

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011519\
 Data File : VU029171.D
 Acq On : 15 Jan 2019 09:17
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 16 04:30:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	119347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	186740	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	175681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	91384	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.30	65	73307	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
35) Dibromofluoromethane	4.88	113	63661	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
50) Toluene-d8	7.56	98	244294	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
62) 4-Bromofluorobenzene	10.30	95	88225	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	54849	46.342	ug/l	99
3) Chloromethane	1.33	50	79220	41.821	ug/l	99
4) Vinyl Chloride	1.40	62	80132	45.942	ug/l	99
5) Bromomethane	1.61	94	42696	47.459	ug/l	98
6) Chloroethane	1.69	64	48689	46.865	ug/l	100
7) Trichlorofluoromethane	1.88	101	89712	47.202	ug/l	99
8) Diethyl Ether	2.10	74	43550	47.695	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	61185	48.114	ug/l	100
10) Methyl Iodide	2.41	142	61044	51.052	ug/l	98
11) Tert butyl alcohol	2.83	59	89808	239.478	ug/l	100
12) 1,1-Dichloroethene	2.28	96	57728	46.638	ug/l	99
13) Acrolein	2.19	56	67290	238.959	ug/l	98
14) Allyl chloride	2.59	41	101147	44.536	ug/l	90
15) Acrylonitrile	2.93	53	233197	253.464	ug/l	99
16) Acetone	2.32	43	267314	287.614	ug/l	100
17) Carbon Disulfide	2.48	76	181305	44.168	ug/l	100
18) Methyl Acetate	2.61	43	116731	54.016	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	212773	48.893	ug/l	99
20) Methylene Chloride	2.70	84	74255	47.056	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	67069	46.637	ug/l	99
22) Diisopropyl ether	3.57	45	223932	49.889	ug/l	100
23) Vinyl Acetate	3.52	43	918517	250.312	ug/l	100
24) 1,1-Dichloroethane	3.44	63	130199	50.247	ug/l	100
25) 2-Butanone	4.25	43	344998	274.829	ug/l	99
26) 2,2-Dichloropropane	4.22	77	106854	51.035	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	76745	48.793	ug/l	98
28) Bromochloromethane	4.54	49	56111	50.572	ug/l	100
29) Tetrahydrofuran	4.63	42	191601	251.653	ug/l	99
30) Chloroform	4.67	83	125163	50.714	ug/l	98
31) Cyclohexane	4.99	56	116748	47.678	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	100573	49.318	ug/l	97
36) 1,1-Dichloropropene	5.13	75	95995	51.429	ug/l	98
37) Ethyl Acetate	4.38	43	107253	52.348	ug/l	99
38) Carbon Tetrachloride	5.13	117	85054	54.634	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	116420	50.735	ug/l	99
40) Benzene	5.39	78	295646	50.778	ug/l	100
41) Methacrylonitrile	4.54	41	59859	54.580	ug/l	99
42) 1,2-Dichloroethane	5.40	62	93297	53.327	ug/l	99
43) Isopropyl Acetate	5.54	43	168451	53.597	ug/l	100
44) Trichloroethene	6.18	130	73594	51.015	ug/l	97
45) 1,2-Dichloropropane	6.43	63	81282	52.865	ug/l	100
46) Dibromomethane	6.56	93	51420	52.315	ug/l	99
47) Bromodichloromethane	6.75	83	97848	54.069	ug/l	98
48) Methyl methacrylate	6.62	41	84294	55.081	ug/l	100
49) 1,4-Dioxane	6.61	88	39533	1090.046	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	574686	268.679	ug/l	99
52) Toluene	7.63	92	184488	52.050	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	112732	51.857	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	124042	52.806	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	76555	53.914	ug/l	98
56) Ethyl methacrylate	8.02	69	114625	52.398	ug/l	98
57) 1,3-Dichloropropane	8.24	76	127661	52.542	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	230148	239.223	ug/l	99
59) 2-Hexanone	8.36	43	464104	276.419	ug/l	99
60) Dibromochloromethane	8.47	129	75987	54.015	ug/l	99
61) 1,2-Dibromoethane	8.58	107	80201	52.078	ug/l	100
64) Tetrachloroethene	8.22	164	65435	51.706	ug/l	94
65) Chlorobenzene	9.12	112	198214	50.334	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	68429	53.546	ug/l	99
67) Ethyl Benzene	9.25	91	344649	52.421	ug/l	100
68) m/p-Xylenes	9.37	106	266189	104.201	ug/l	99
69) o-Xylene	9.78	106	130773	53.129	ug/l	98
70) Styrene	9.79	104	216074	53.549	ug/l	100
71) Bromoform	9.95	173	61545	54.086	ug/l #	100
73) Isopropylbenzene	10.16	105	340485	50.338	ug/l	99
74) N-amyl acetate	10.01	43	145354	49.869	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	132278	48.795	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	153128	68.390	ug/l	84
77) Bromobenzene	10.45	156	88320	50.105	ug/l	99
78) n-propylbenzene	10.58	91	418355	52.483	ug/l	99
79) 2-Chlorotoluene	10.66	91	237169	49.048	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	289546	51.261	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	153128	176.380	ug/l #	100
82) 4-Chlorotoluene	10.77	91	277485	50.045	ug/l	100
83) tert-Butylbenzene	11.10	119	282451	50.734	ug/l	99
84) 1,2,4-Trimethylbenzene	11.14	105	294955	52.302	ug/l	99
85) sec-Butylbenzene	11.32	105	356686	52.975	ug/l	100
86) p-Isopropyltoluene	11.47	119	307832	53.653	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	160488	49.638	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	163860	49.098	ug/l	98
89) n-Butylbenzene	11.89	91	294534	57.517	ug/l	100
90) Hexachloroethane	12.14	117	48907	50.671	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	159160	48.874	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.65	75	26849	51.494	ug/l	97

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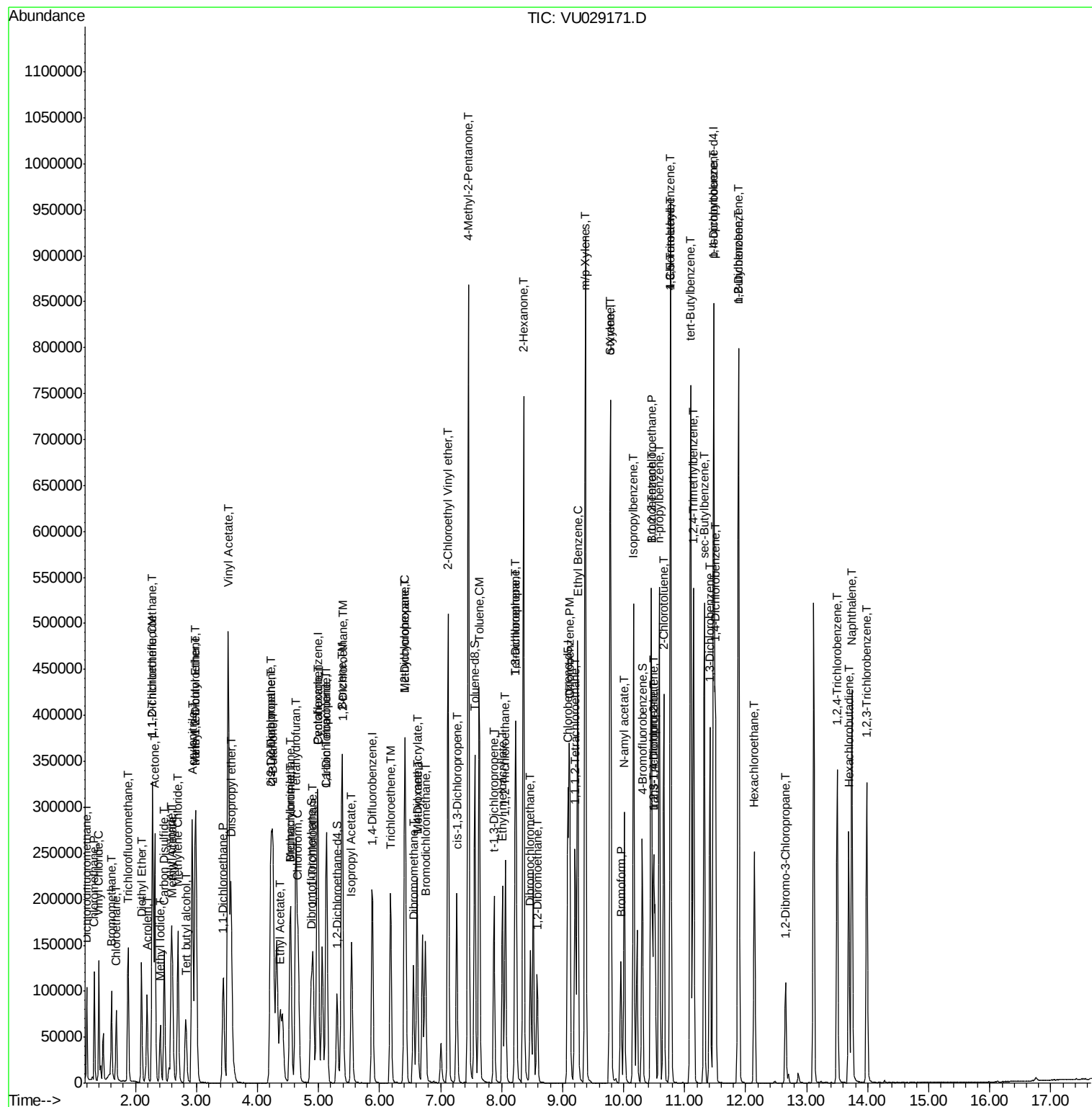
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	110861	53.329	ug/l	98
94) Hexachlorobutadiene	13.69	225	53244	55.997	ug/l	99
95) Naphthalene	13.74	128	352088	49.788	ug/l	100
96) 1,2,3-Trichlorobenzene	13.98	180	110470	51.595	ug/l	99

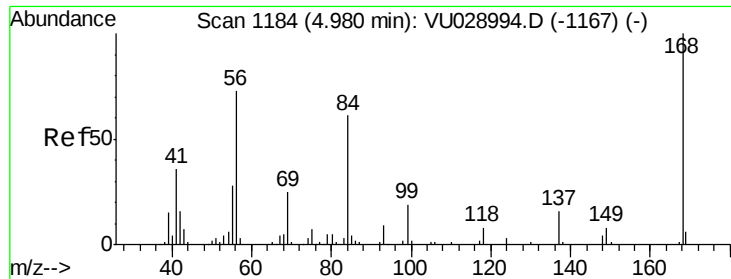
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

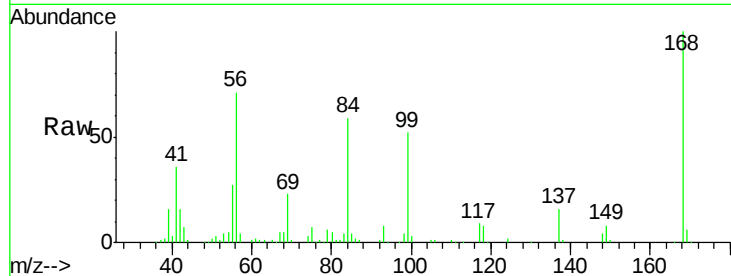
VSTDCCC050

Tot Ion:168 Resp: 119347

Ion Ratio Lower Upper

168 100

99 51.9 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

60000

50000

40000

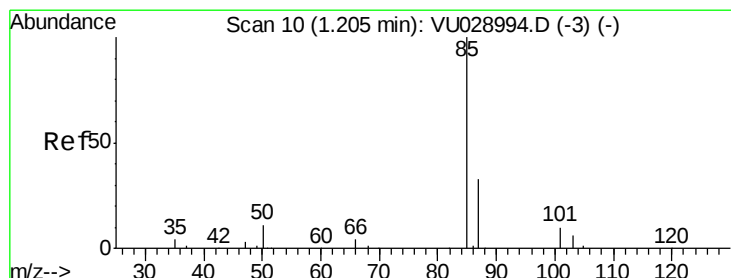
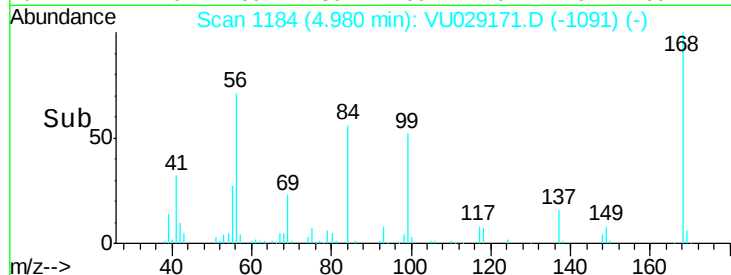
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.342 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU029171.D

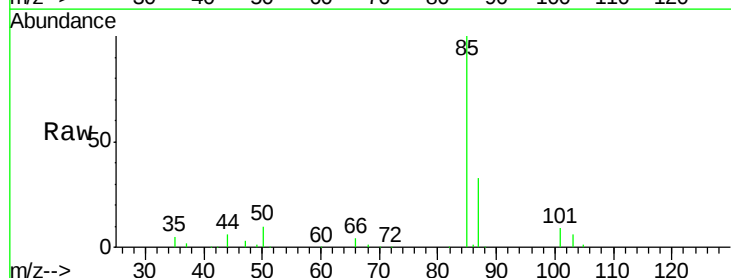
Acq: 15 Jan 2019 09:17

Tgt Ion: 85 Resp: 54849

Ion Ratio Lower Upper

85 100

87 32.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU028994.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028994.D (-3) (-)

1.21

60000

50000

40000

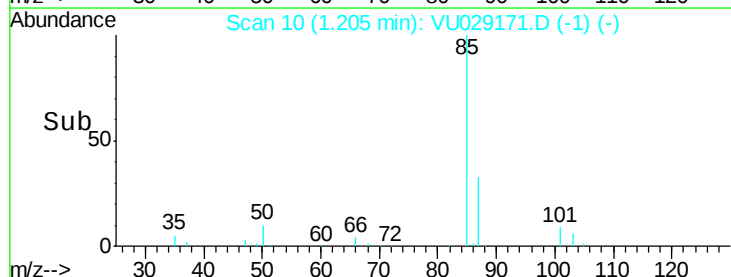
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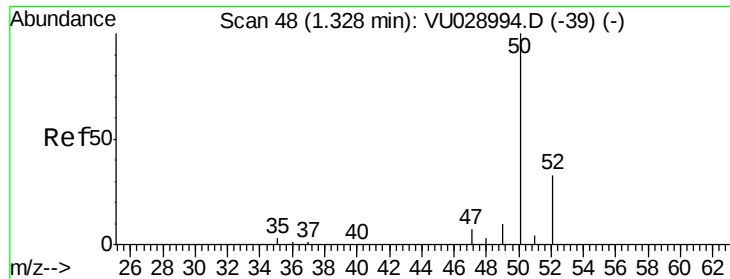
20000

10000

0

Time-->





#3

Chloromethane

Concen: 41.821 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

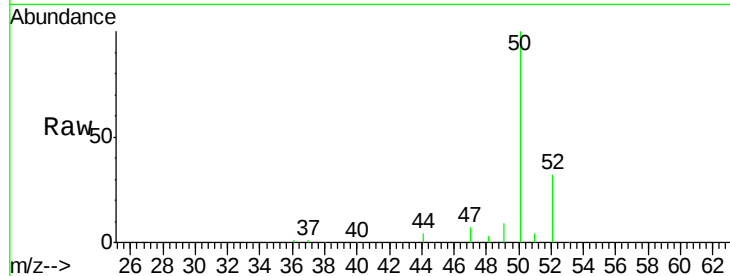
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 50 Resp: 79220

Ion Ratio Lower Upper

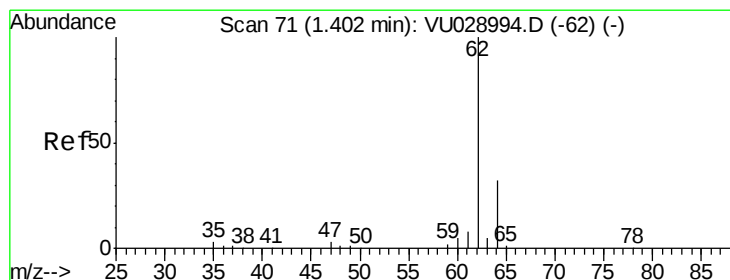
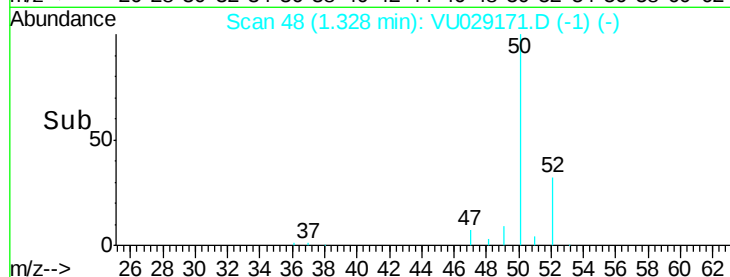
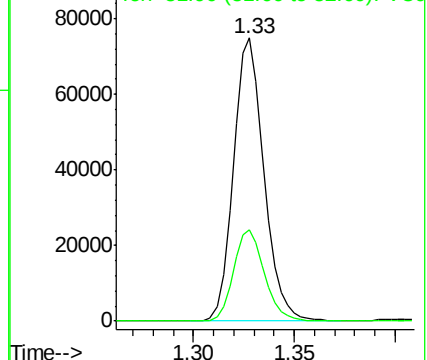
50 100

52 32.3 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 45.942 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU029171.D

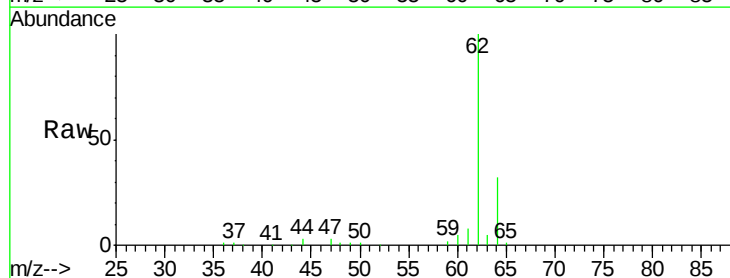
Acq: 15 Jan 2019 09:17

Tgt Ion: 62 Resp: 80132

Ion Ratio Lower Upper

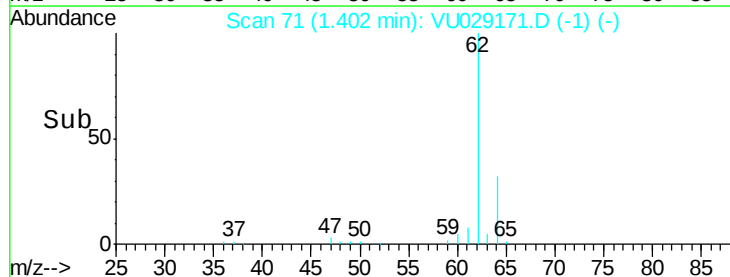
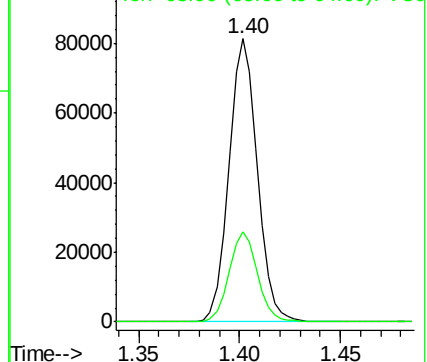
62 100

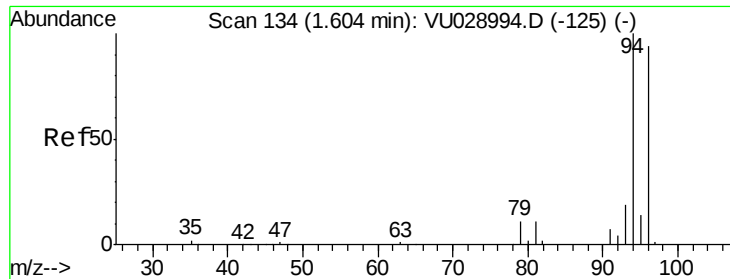
64 31.9 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

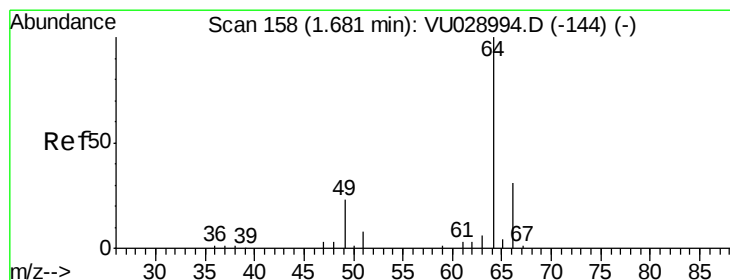
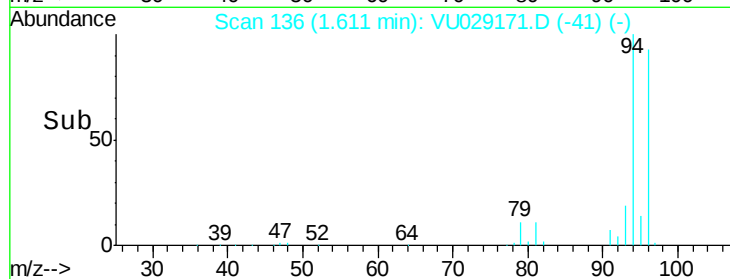
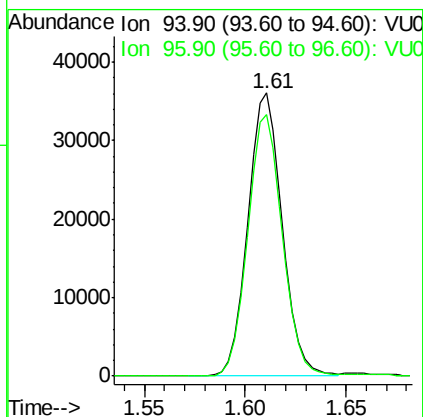
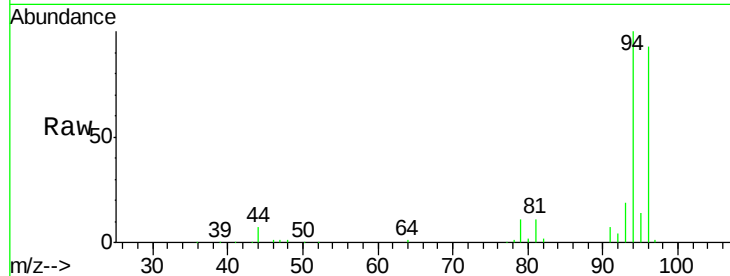




#5
 Bromomethane
 Concen: 47.459 ug/l
 RT: 1.61 min Scan# 136
 Delta R.T. 0.01 min
 Lab File: VU029171.D
 Acq: 15 Jan 2019 09:17

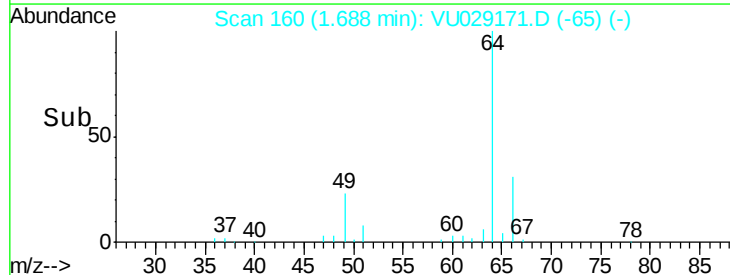
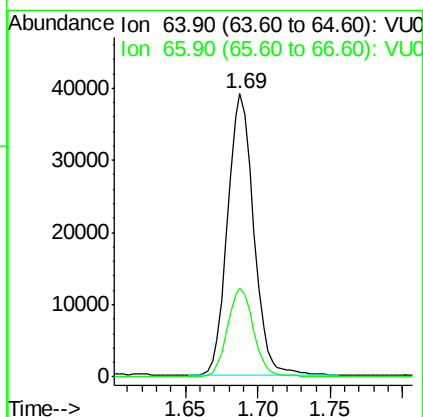
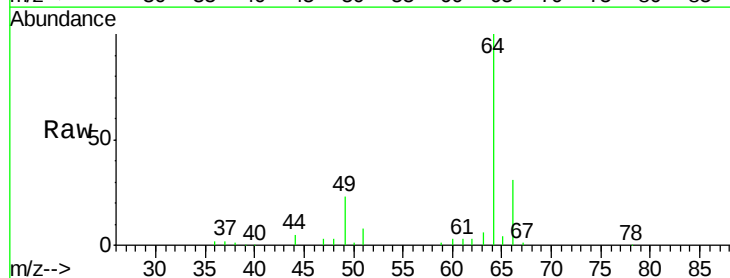
Instrument :
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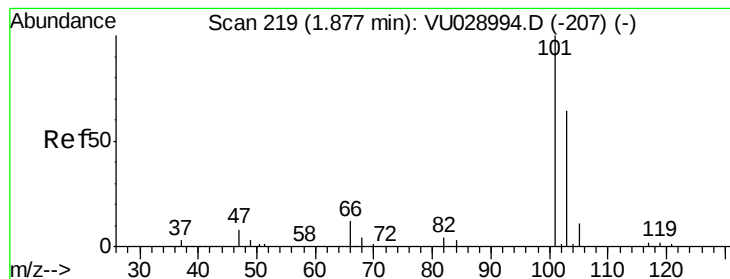
Tot Ion: 94 Resp: 42696
 Ion Ratio Lower Upper
 94 100
 96 92.6 75.5 113.3



#6
 Chloroethane
 Concen: 46.865 ug/l
 RT: 1.69 min Scan# 160
 Delta R.T. 0.01 min
 Lab File: VU029171.D
 Acq: 15 Jan 2019 09:17

Tgt Ion: 64 Resp: 48689
 Ion Ratio Lower Upper
 64 100
 66 31.5 25.2 37.8



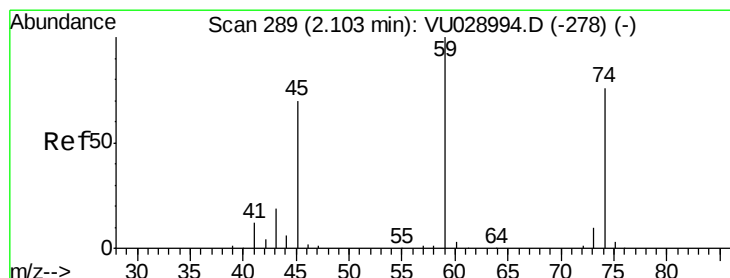
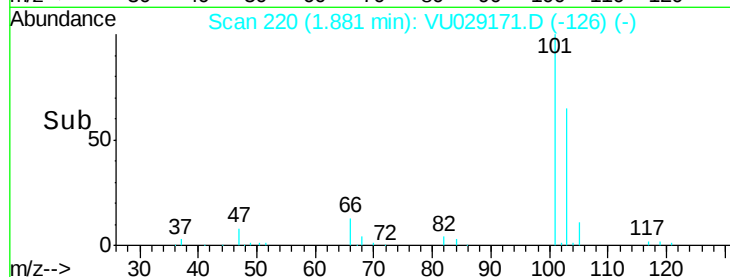
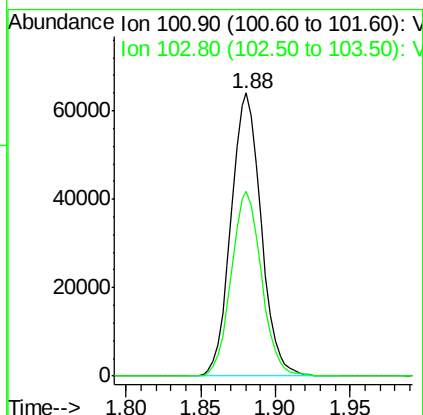
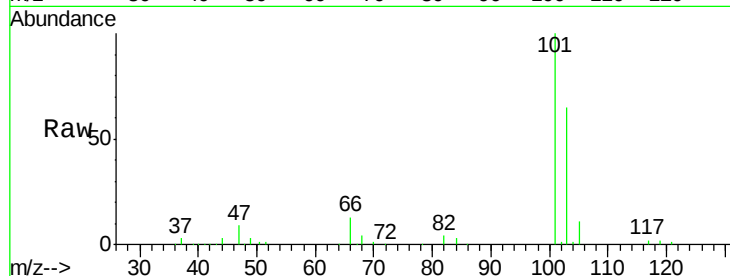


#7

Trichlorofluoromethane
 Concen: 47.202 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VU029171.D
 Acq: 15 Jan 2019 09:17

Instrument :
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 VSTDCCC050

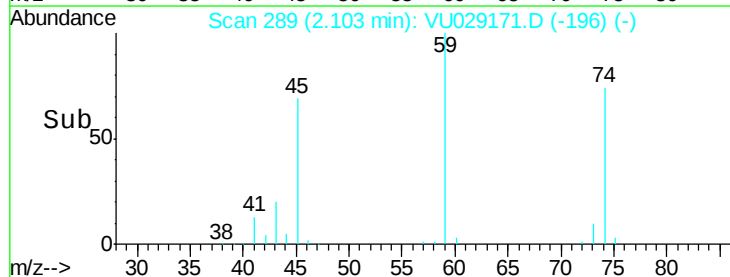
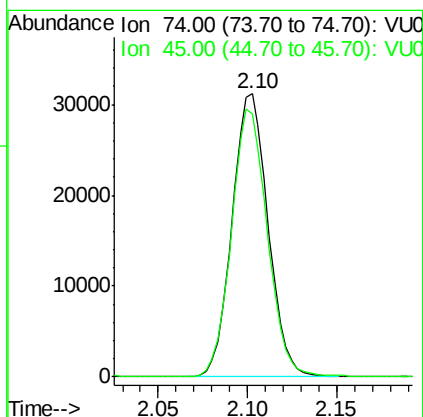
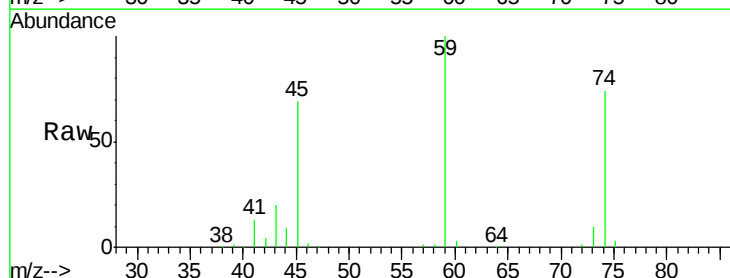
Tot Ion:101 Resp: 89712
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.5 77.3

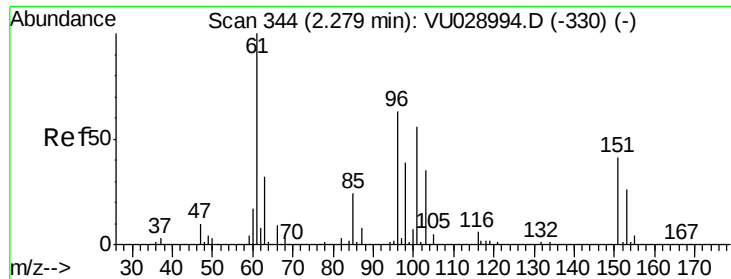


#8

Diethyl Ether
 Concen: 47.695 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU029171.D
 Acq: 15 Jan 2019 09:17

Tgt Ion: 74 Resp: 43550
 Ion Ratio Lower Upper
 74 100
 45 95.0 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.114 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

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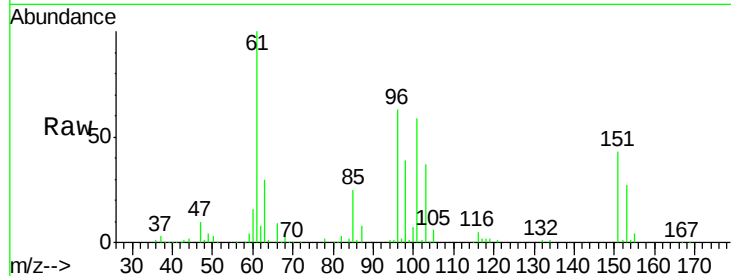
Tot Ion:101 Resp: 61185

Ion Ratio Lower Upper

101 100

85 43.5 35.1 52.7

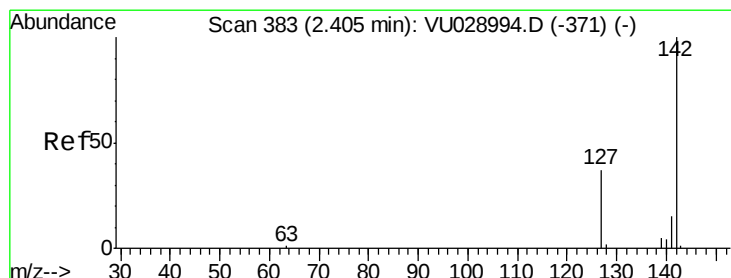
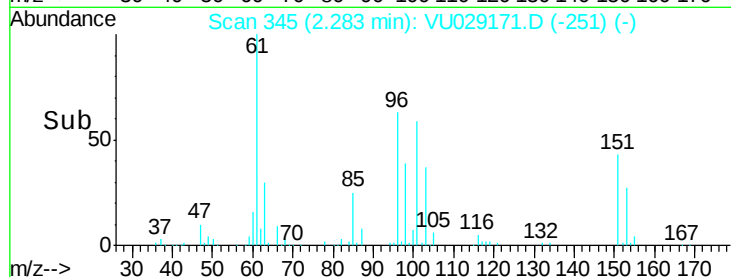
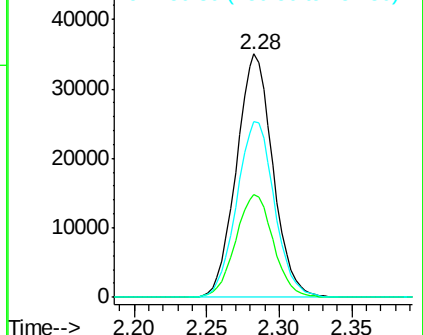
151 74.8 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.052 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

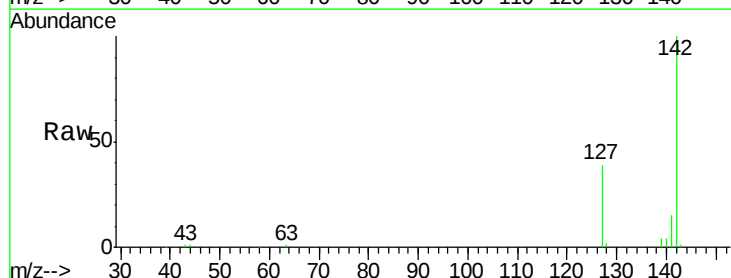
Tgt Ion:142 Resp: 61044

Ion Ratio Lower Upper

142 100

127 38.2 29.8 44.6

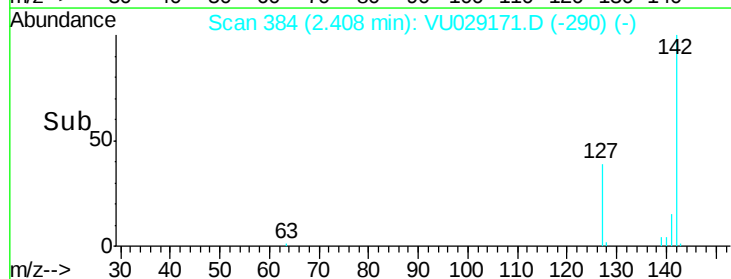
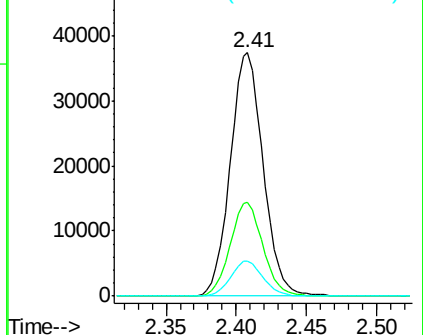
141 13.9 11.5 17.3

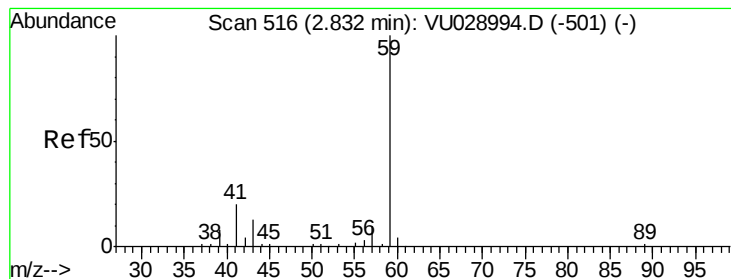


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



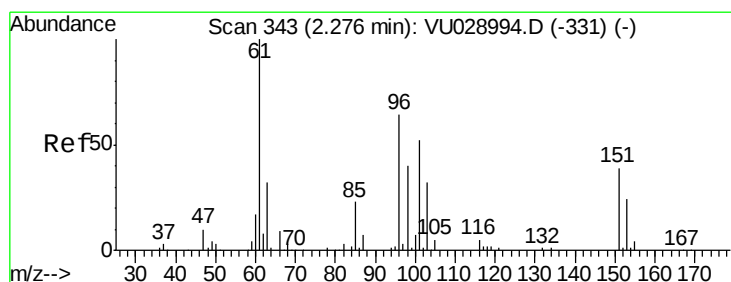
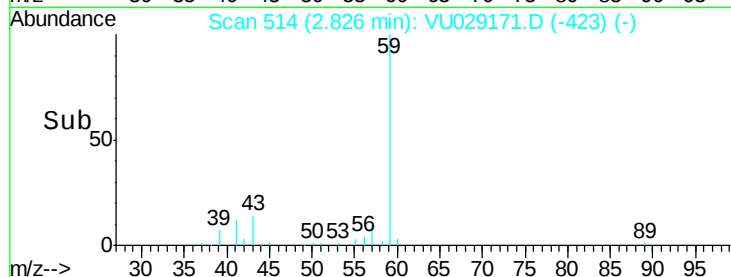
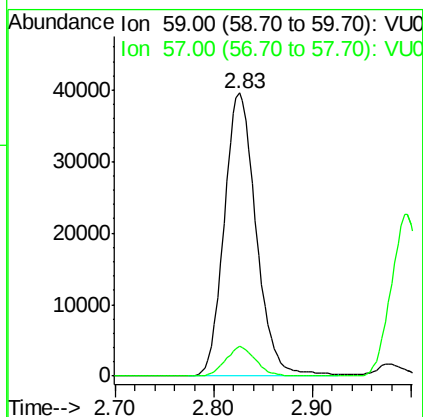
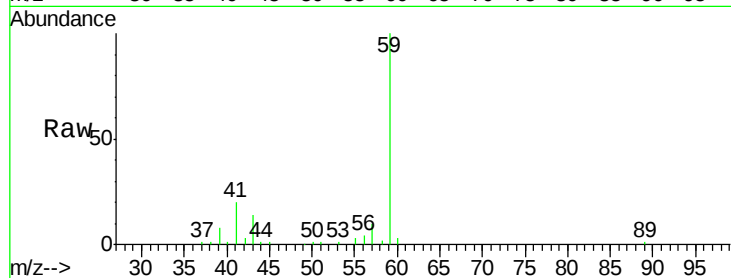


#11

Tert butyl alcohol
 Concen: 239.478 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.01 min
 Lab File: VU029171.D
 Acq: 15 Jan 2019 09:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

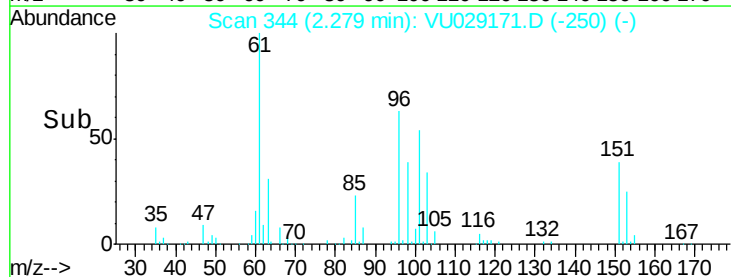
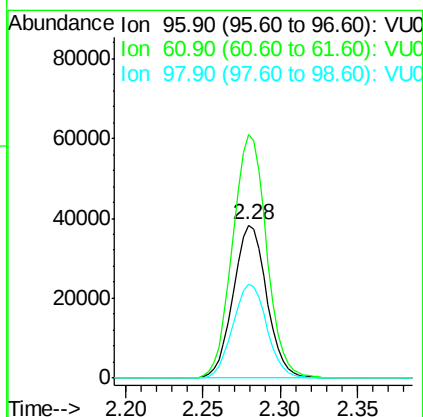
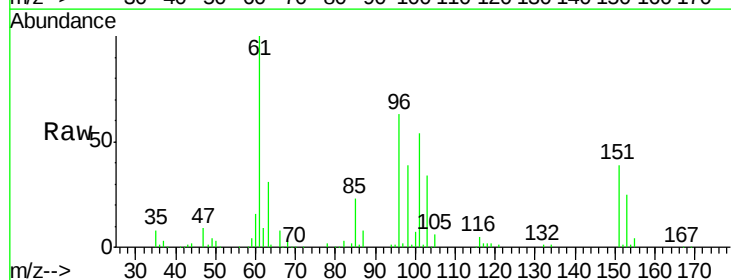
Tot Ion: 59 Resp: 89808
 Ion Ratio Lower Upper
 59 100
 57 9.7 7.9 11.9

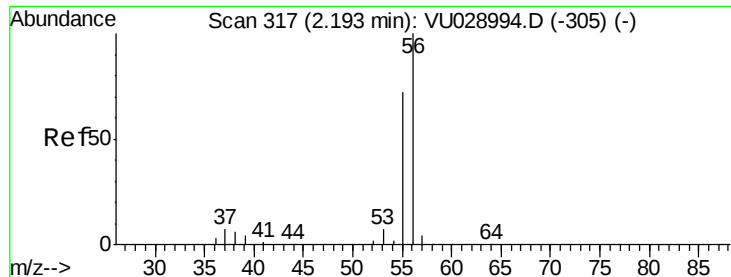


#12

1,1-Dichloroethene
 Concen: 46.638 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VU029171.D
 Acq: 15 Jan 2019 09:17

Tgt Ion: 96 Resp: 57728
 Ion Ratio Lower Upper
 96 100
 61 159.0 125.4 188.0
 98 61.6 49.7 74.5





#13

Acrolein

Concen: 238.959 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

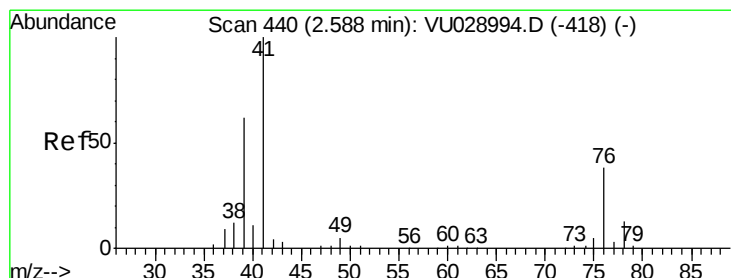
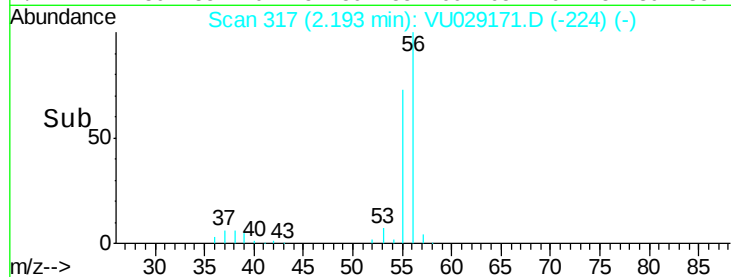
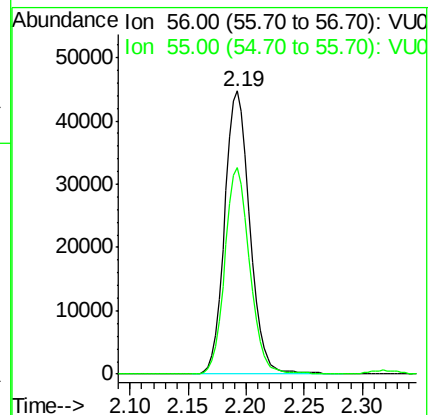
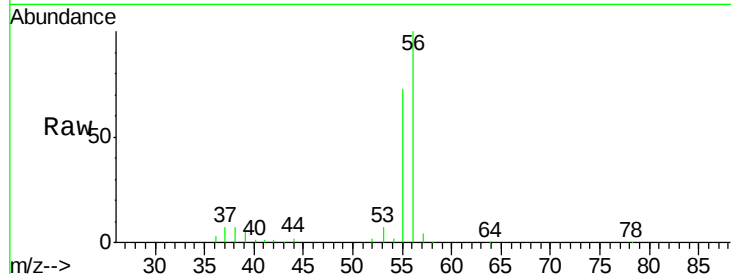
VSTDCCC050

Tot Ion: 56 Resp: 67290

Ion Ratio Lower Upper

56 100

55 72.2 56.5 84.7



#14

Allyl chloride

Concen: 44.536 ug/l

RT: 2.59 min Scan# 440

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

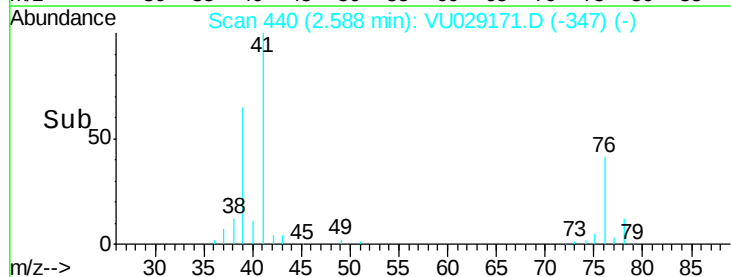
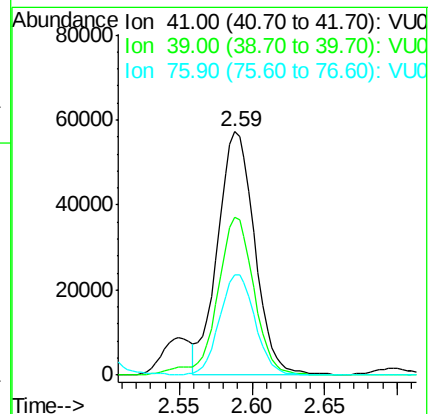
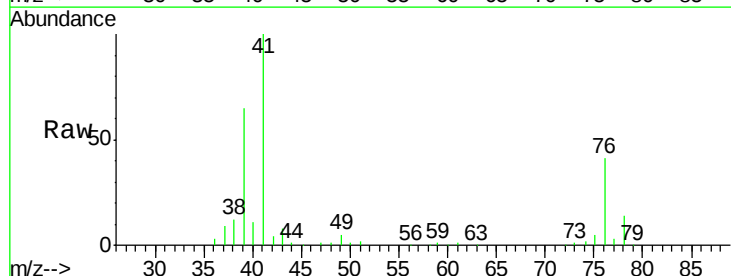
Tgt Ion: 41 Resp: 101147

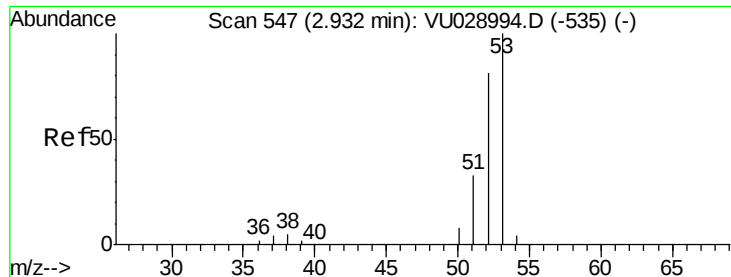
Ion Ratio Lower Upper

41 100

39 64.6 45.0 67.6

76 39.6 28.1 42.1





#15

Acrylonitrile

Concen: 253.464 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

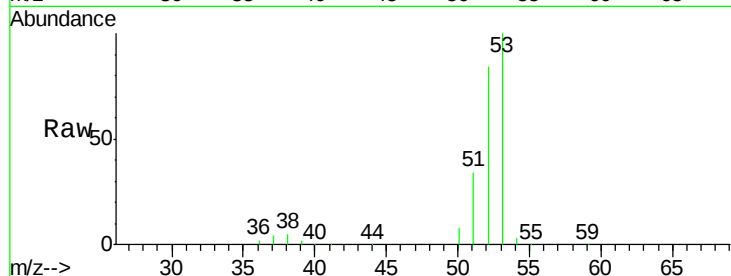
Tot Ion: 53 Resp: 233197

Ion Ratio Lower Upper

53 100

52 82.0 64.8 97.2

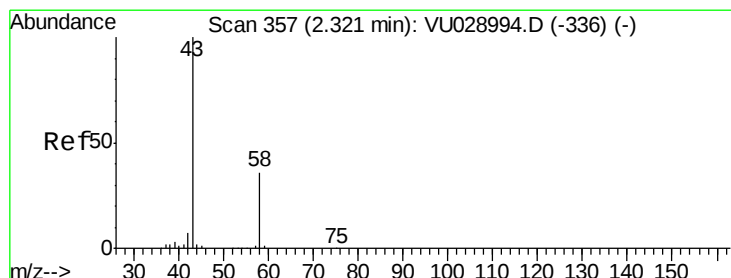
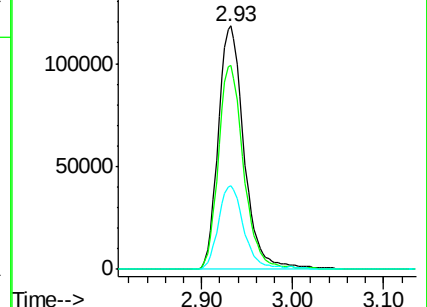
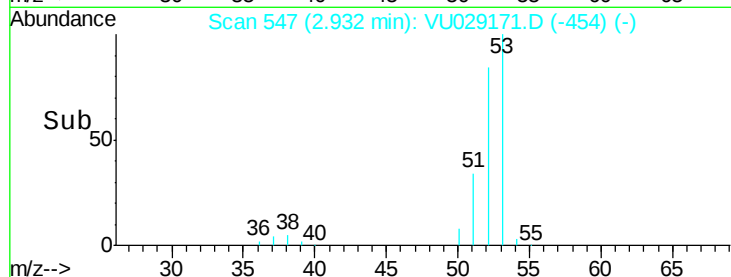
51 33.9 27.3 40.9



Abundance Ion 53.00 (52.70 to 53.70): VU028994.D (-535) (-)

Ion 52.00 (51.70 to 52.70): VU028994.D (-535) (-)

Ion 51.00 (50.70 to 51.70): VU028994.D (-535) (-)



#16

Acetone

Concen: 287.614 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU029171.D

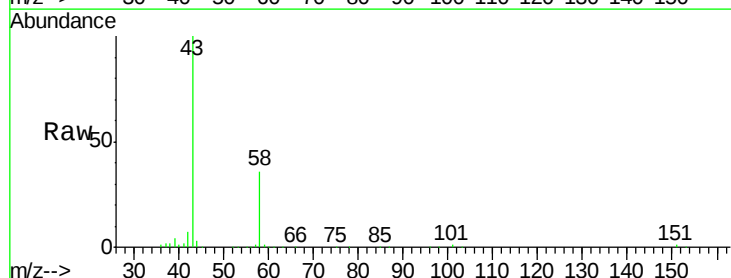
Acq: 15 Jan 2019 09:17

Tgt Ion: 43 Resp: 267314

Ion Ratio Lower Upper

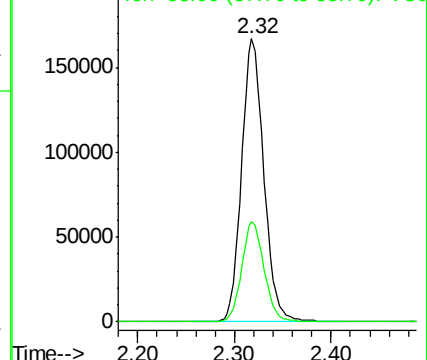
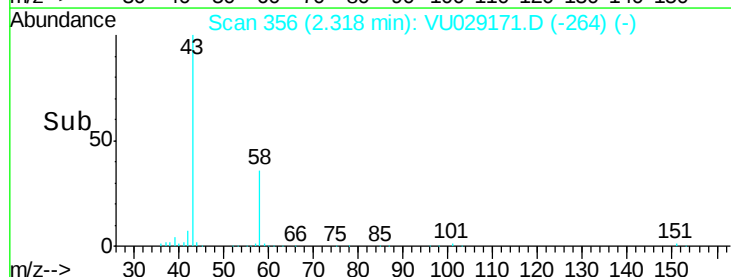
43 100

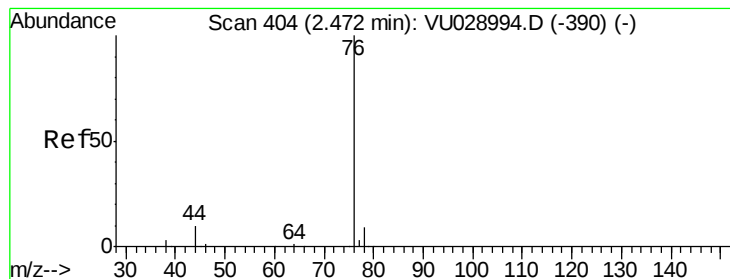
58 35.5 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VU028994.D (-336) (-)





#17

Carbon Disulfide

Concen: 44.168 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

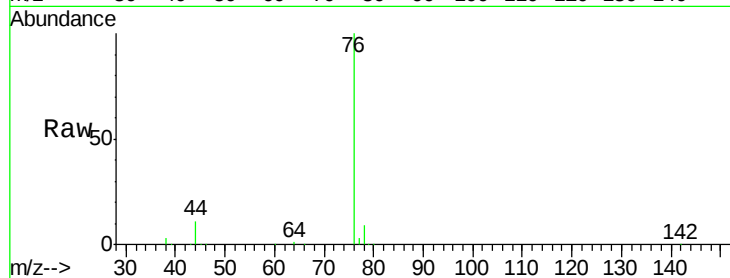
VSTDCCC050

Tot Ion: 76 Resp: 181305

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

120000

100000

80000

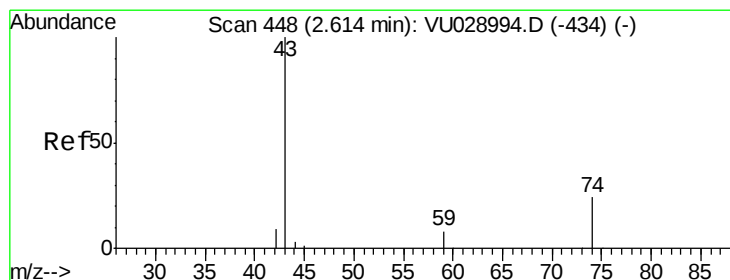
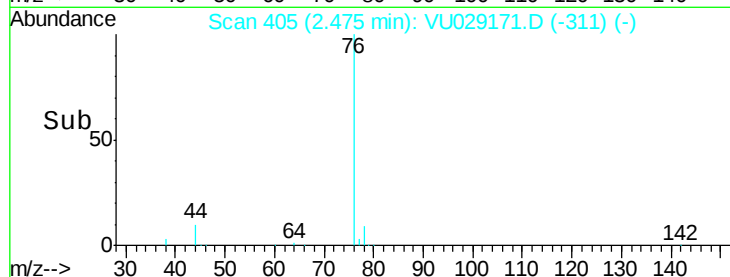
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 54.016 ug/l

RT: 2.61 min Scan# 447

Delta R.T. -0.00 min

Lab File: VU029171.D

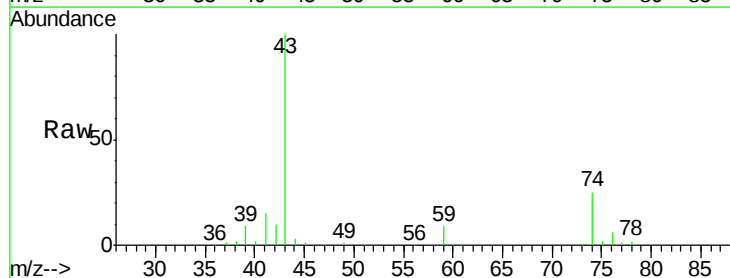
Acq: 15 Jan 2019 09:17

Tgt Ion: 43 Resp: 116731

Ion Ratio Lower Upper

43 100

74 25.4 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.61

80000

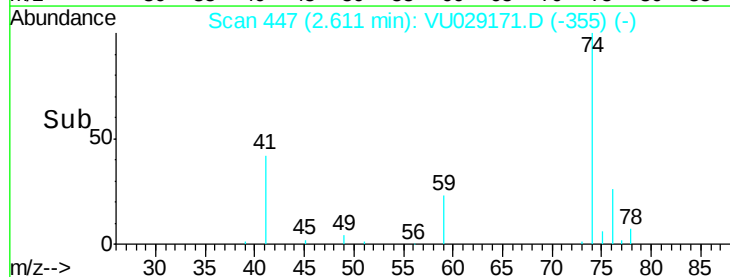
60000

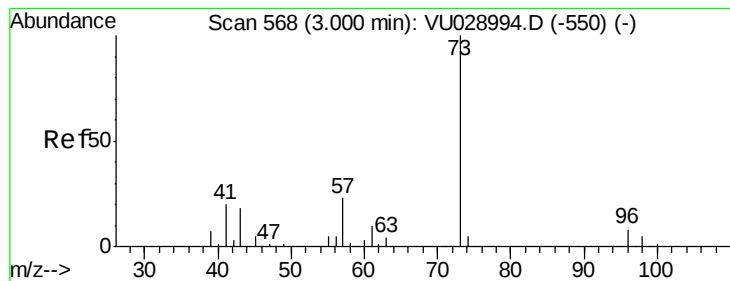
40000

20000

0

Time-->



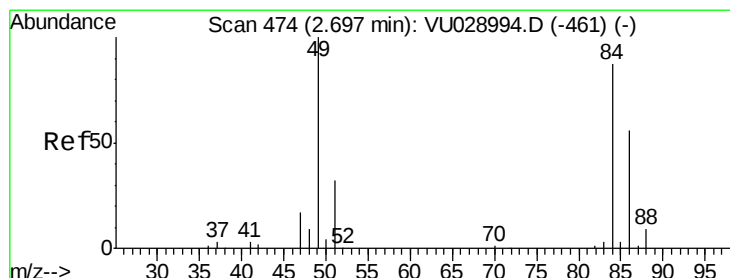
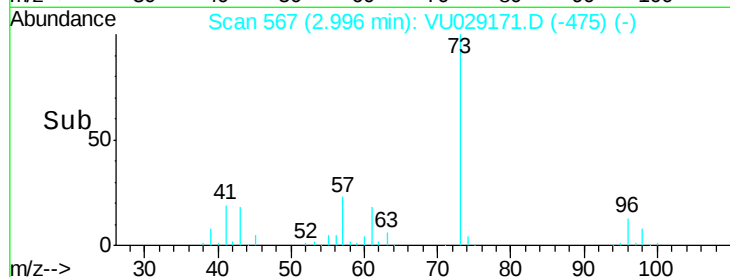
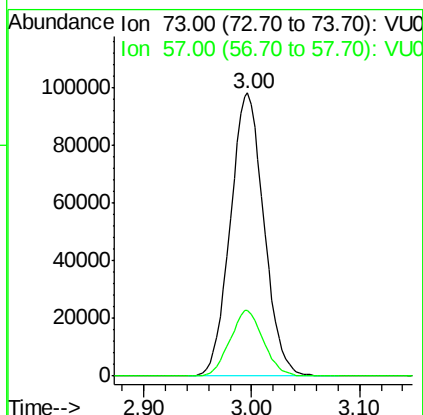
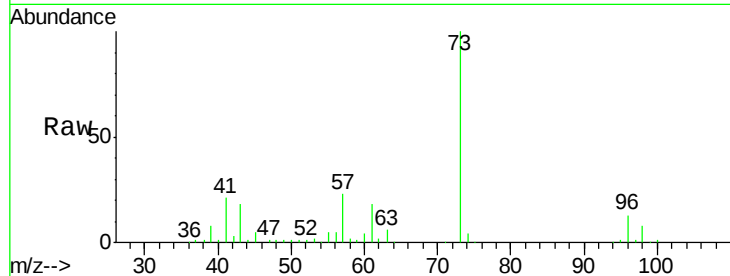


#19

Methyl tert-butyl Ether
 Concen: 48.893 ug/l
 RT: 3.00 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VU029171.D
 Acq: 15 Jan 2019 09:17

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDCCC050

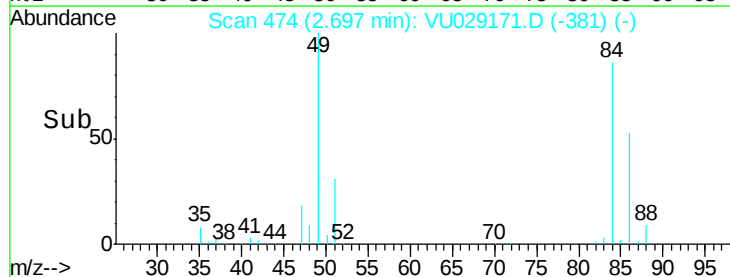
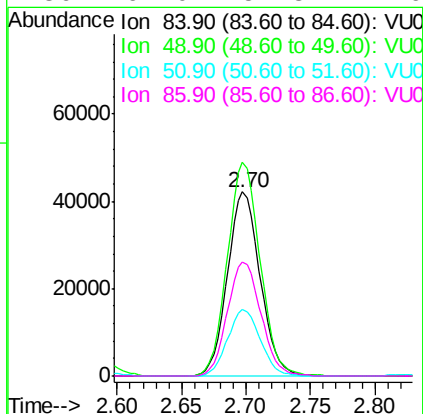
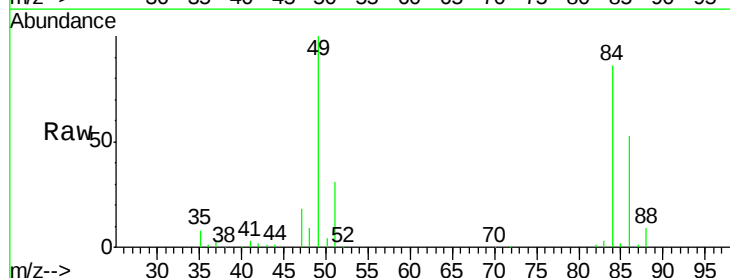
Tot Ion: 73 Resp: 212773
 Ion Ratio Lower Upper
 73 100
 57 23.0 18.6 28.0

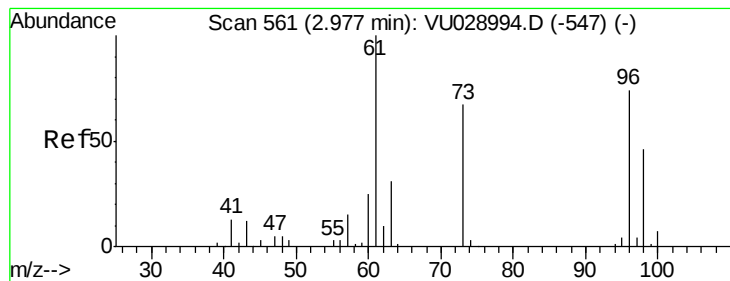


#20

Methylene Chloride
 Concen: 47.056 ug/l
 RT: 2.70 min Scan# 474
 Delta R.T. -0.00 min
 Lab File: VU029171.D
 Acq: 15 Jan 2019 09:17

Tgt Ion: 84 Resp: 74255
 Ion Ratio Lower Upper
 84 100
 49 116.0 91.9 137.9
 51 36.0 29.2 43.8
 86 62.0 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 46.637 ug/l

RT: 2.98 min Scan# 561

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

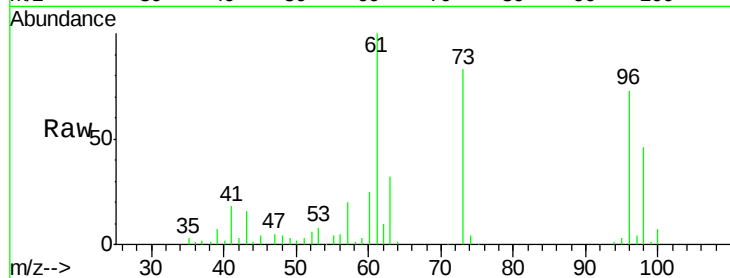
Tot Ion: 96 Resp: 67069

Ion Ratio Lower Upper

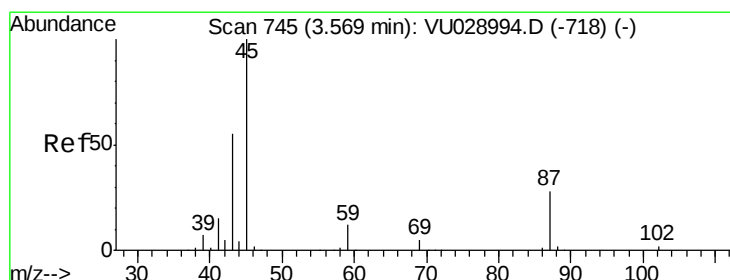
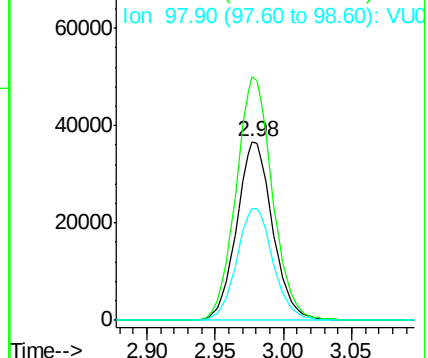
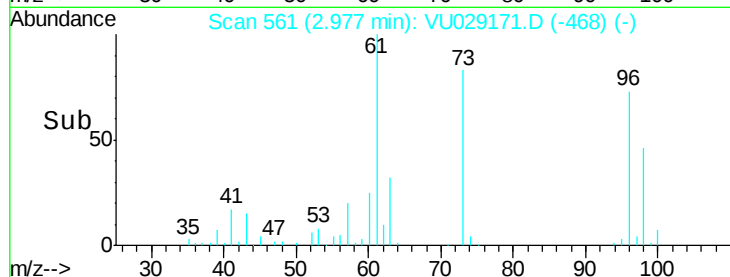
96 100

61 136.3 107.7 161.5

98 62.7 49.2 73.8



Abundance Ion 95.90 (95.60 to 96.60): VU029171.D (-468) (-)



#22

Diisopropyl ether

Concen: 49.889 ug/l

RT: 3.57 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

Tgt Ion: 45 Resp: 223932

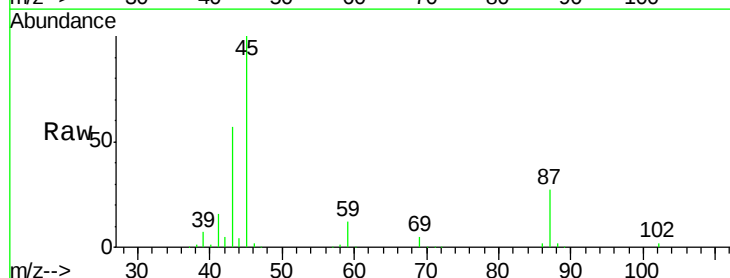
Ion Ratio Lower Upper

45 100

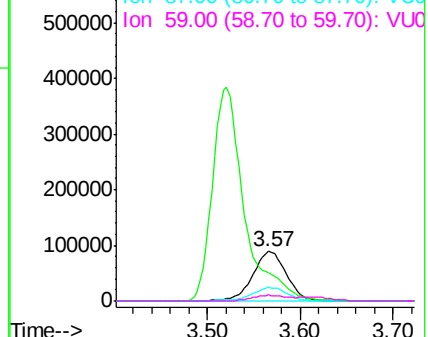
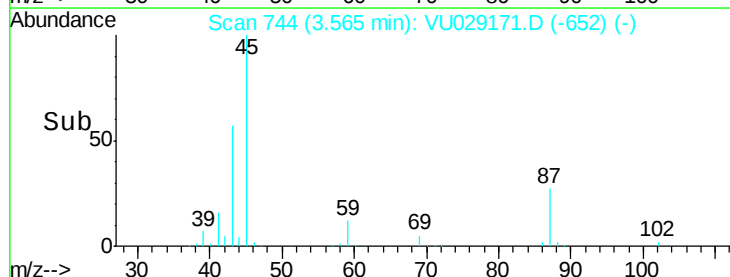
43 56.0 44.7 67.1

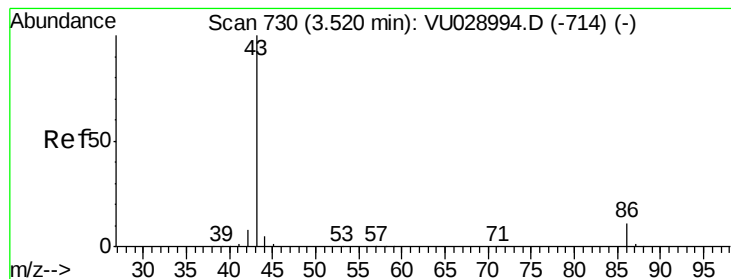
87 27.4 22.2 33.2

59 11.8 9.8 14.8



Abundance Ion 45.00 (44.70 to 45.70): VU029171.D (-652) (-)





#23

Vinyl Acetate

Concen: 250.312 ug/l

RT: 3.52 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

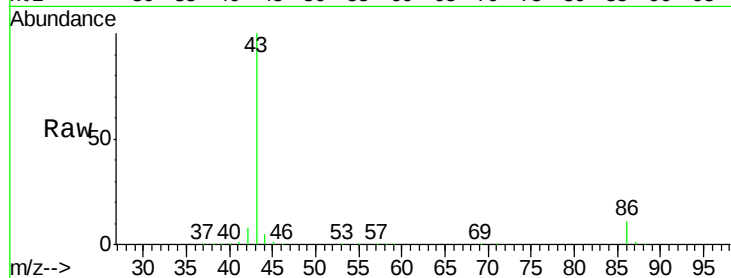
VSTDCCC050

Tot Ion: 43 Resp: 918517

Ion Ratio Lower Upper

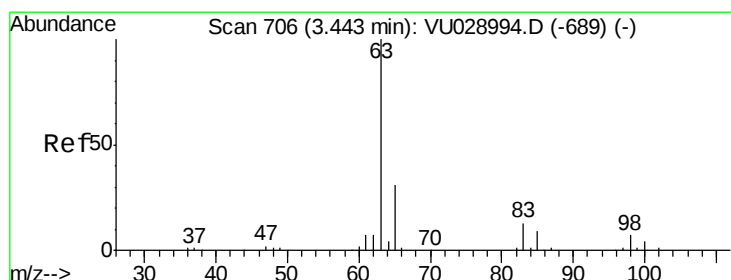
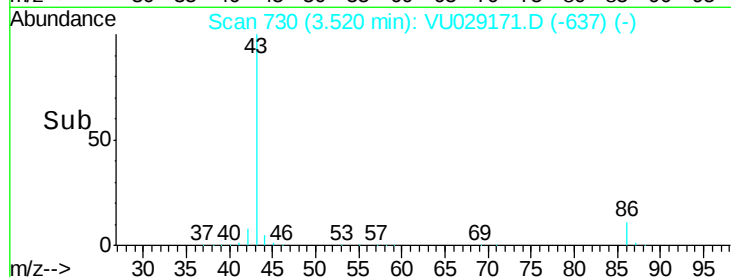
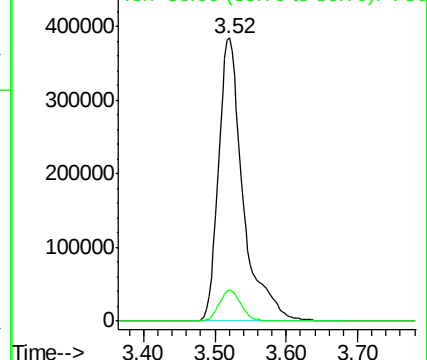
43 100

86 10.9 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 50.247 ug/l

RT: 3.44 min Scan# 705

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

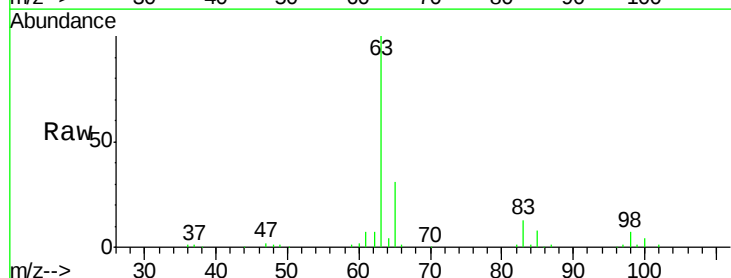
Tgt Ion: 63 Resp: 130199

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

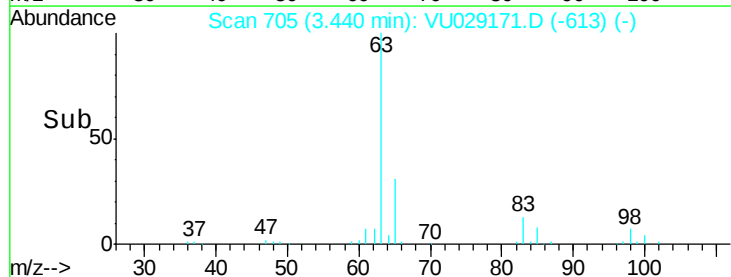
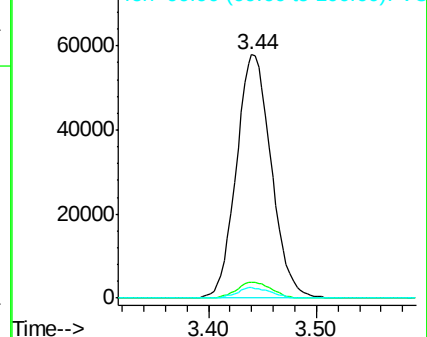
100 4.2 2.0 5.8

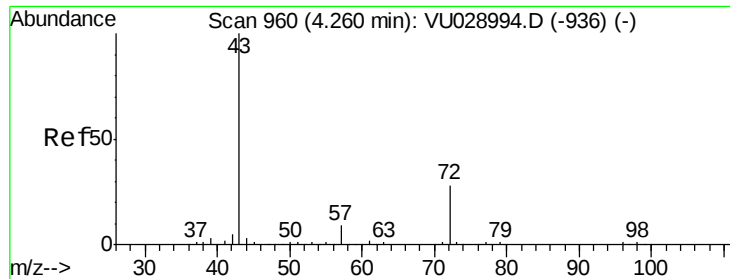


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 274.829 ug/l

RT: 4.25 min Scan# 958

Delta R.T. -0.01 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

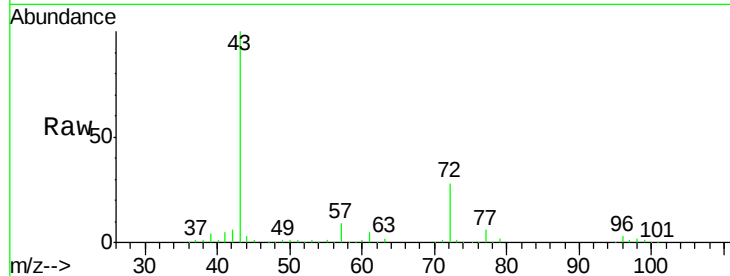
VSTDCCC050

Tot Ion: 43 Resp: 344998

Ion Ratio Lower Upper

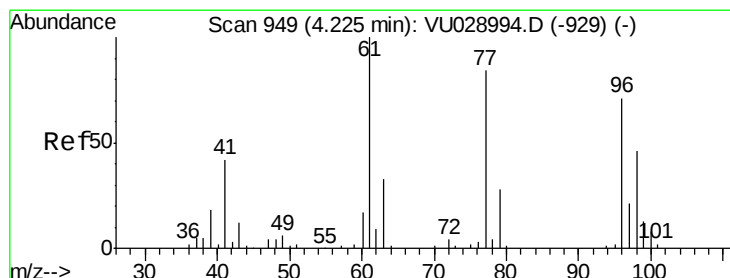
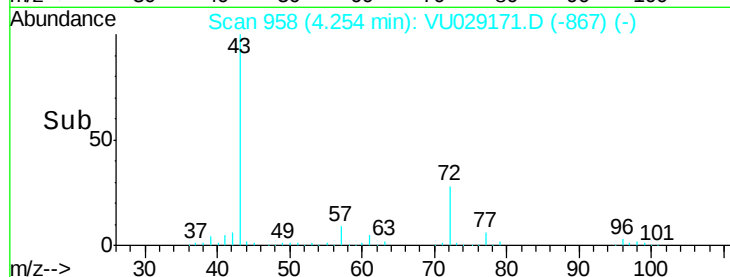
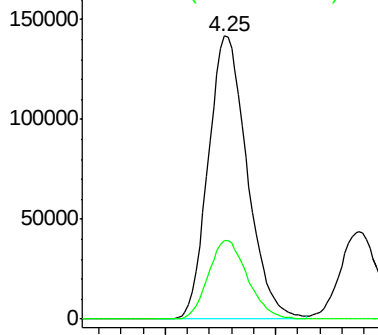
43 100

72 27.8 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 51.035 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU029171.D

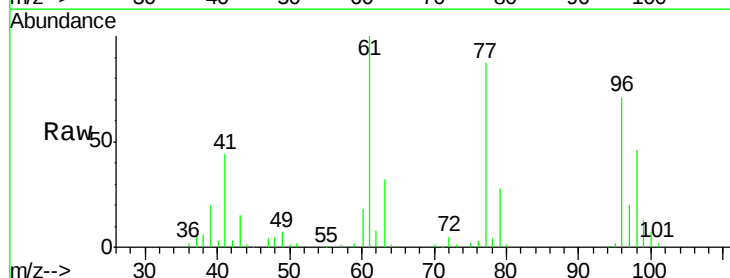
Acq: 15 Jan 2019 09:17

Tgt Ion: 77 Resp: 106854

Ion Ratio Lower Upper

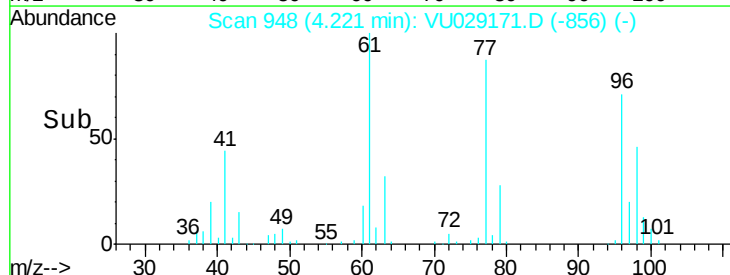
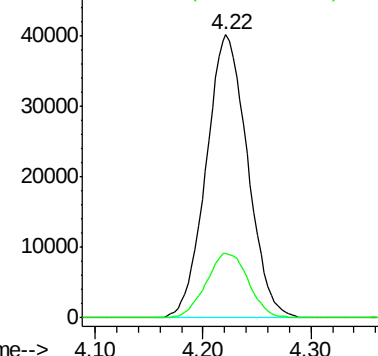
77 100

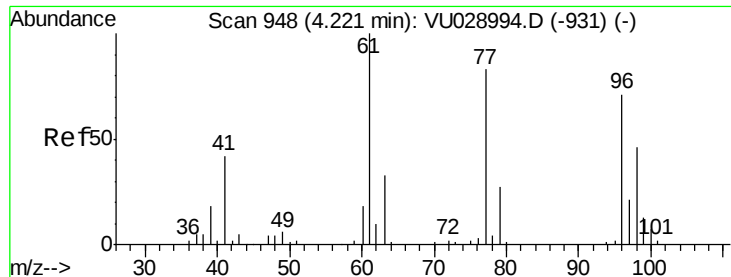
97 23.4 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



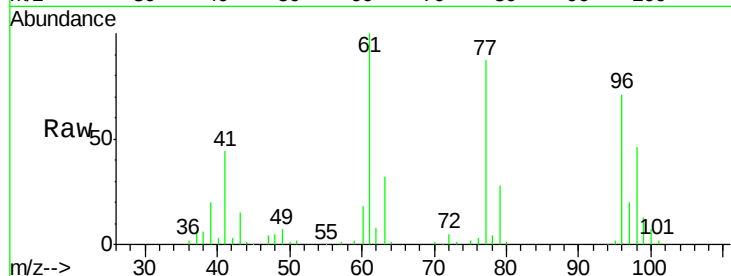


#27

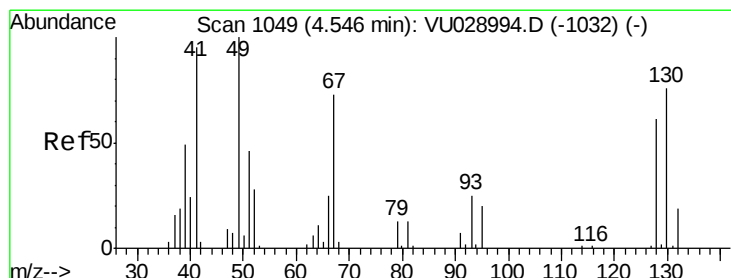
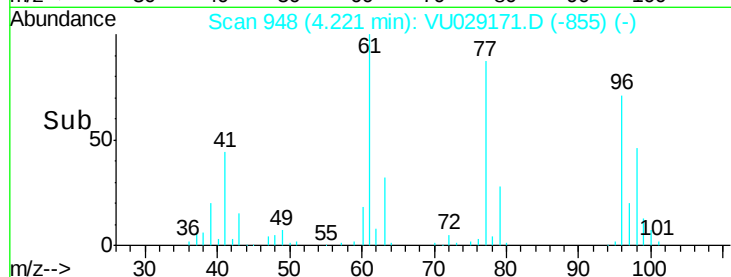
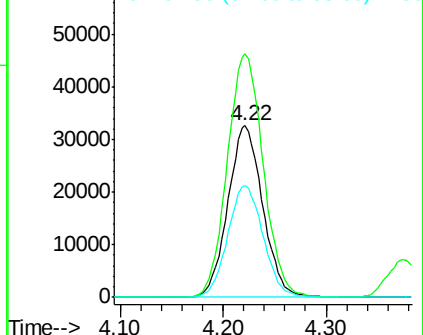
cis-1,2-Dichloroethene
Concen: 48.793 ug/l
RT: 4.22 min Scan# 948
Delta R.T. -0.00 min
Lab File: VU029171.D
Acq: 15 Jan 2019 09:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 76745
Ion Ratio Lower Upper
96 100
61 146.6 0.0 285.6
98 65.9 0.0 130.2



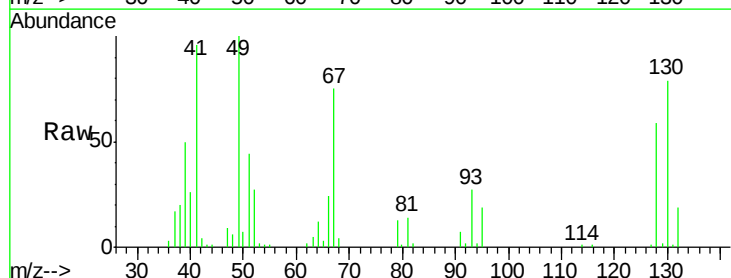
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



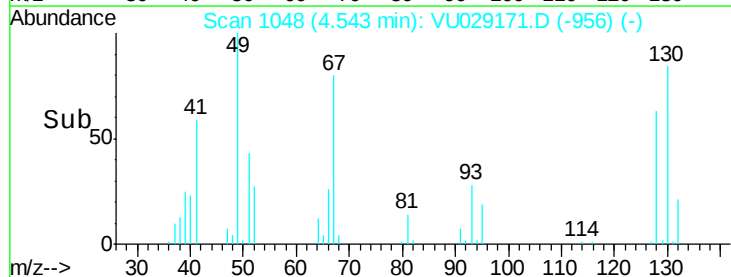
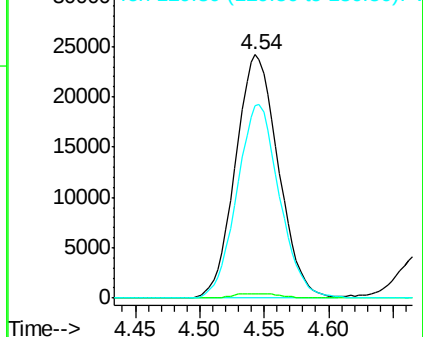
#28

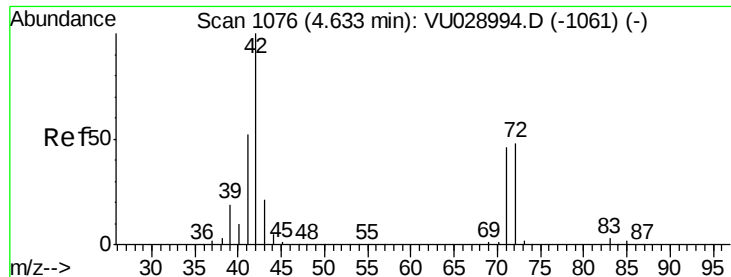
Bromochloromethane
Concen: 50.572 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU029171.D
Acq: 15 Jan 2019 09:17

Tgt Ion: 49 Resp: 56111
Ion Ratio Lower Upper
49 100
129 2.0 0.0 3.4
130 78.9 62.9 94.3



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

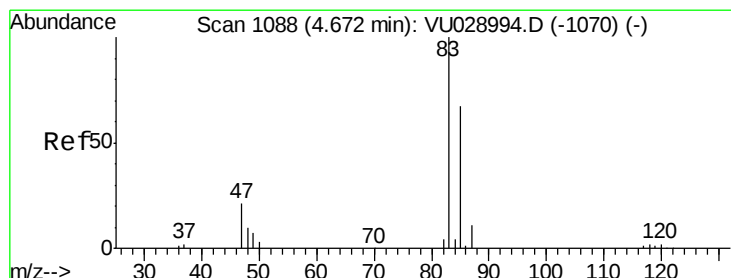
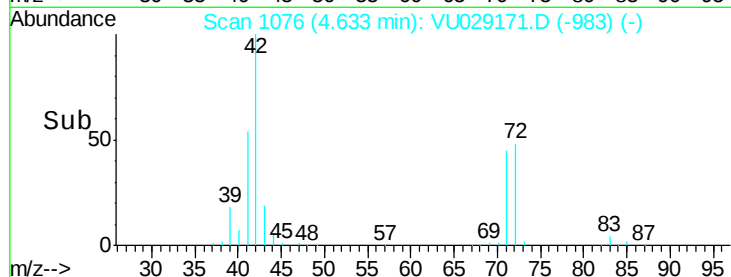
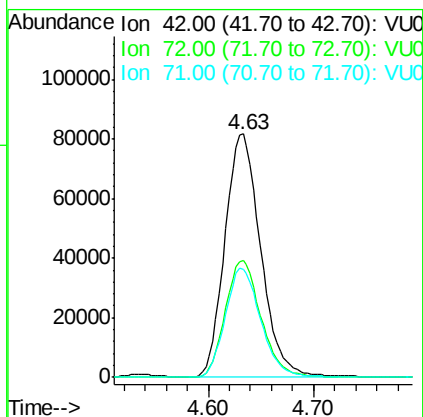
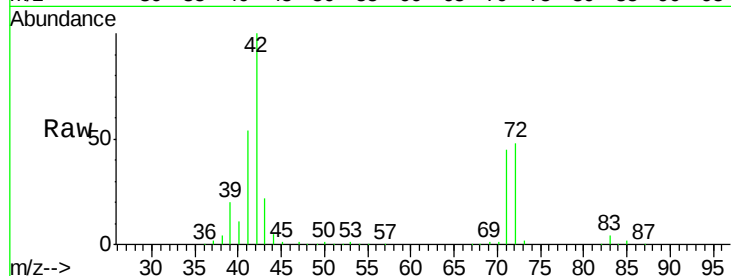




#29
Tetrahydrofuran
Concen: 251.653 ug/l
RT: 4.63 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VU029171.D
Acq: 15 Jan 2019 09:17

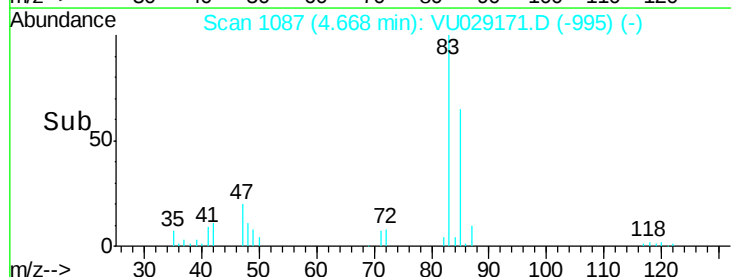
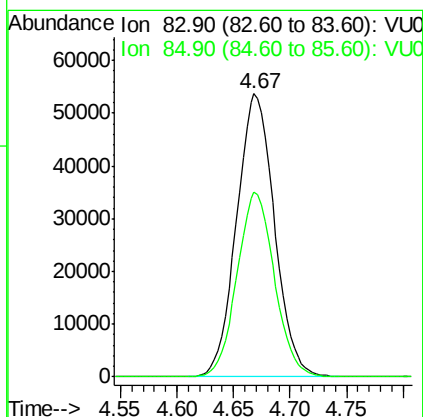
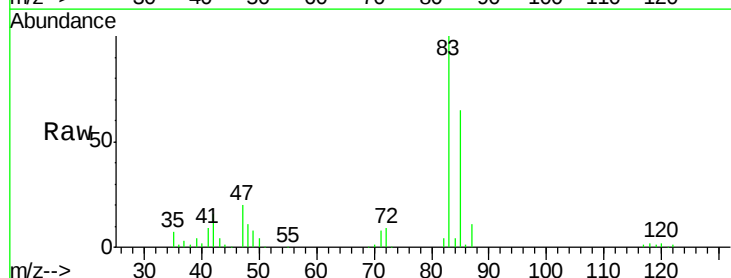
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

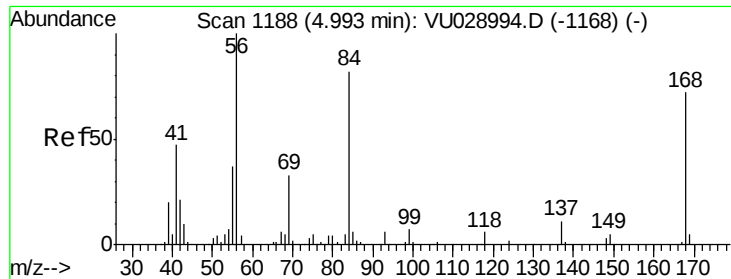
Tot Ion: 42 Resp: 191601
Ion Ratio Lower Upper
42 100
72 48.0 38.3 57.5
71 44.4 36.1 54.1



#30
Chloroform
Concen: 50.714 ug/l
RT: 4.67 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VU029171.D
Acq: 15 Jan 2019 09:17

Tgt Ion: 83 Resp: 125163
Ion Ratio Lower Upper
83 100
85 65.5 53.4 80.0

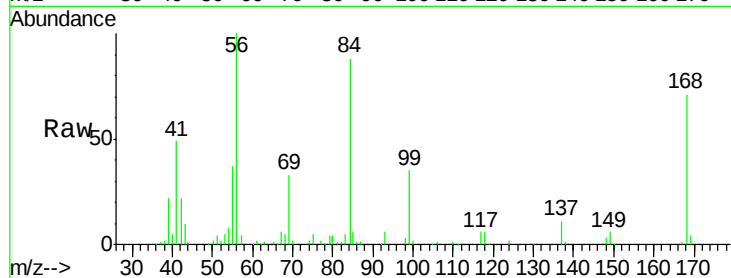




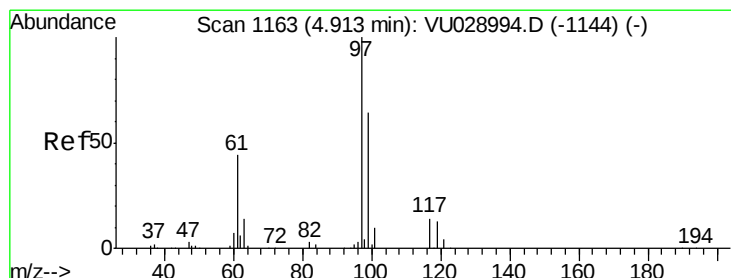
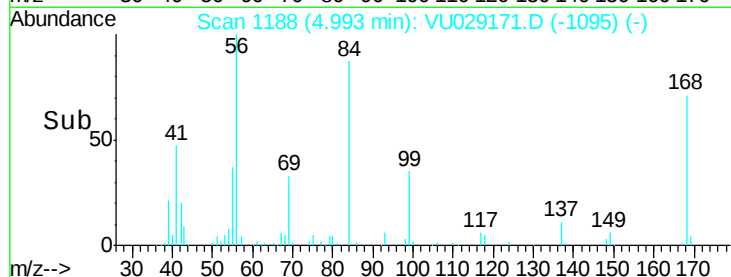
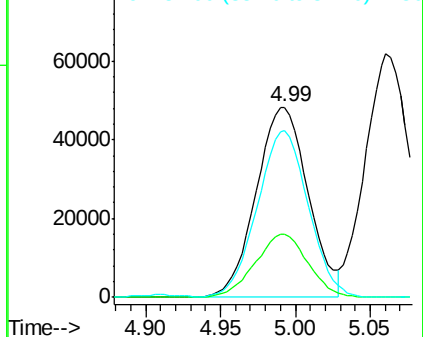
#31
Cyclohexane
Concen: 47.678 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029171.D
Acq: 15 Jan 2019 09:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 116748
Ion Ratio Lower Upper
56 100
69 33.4 26.7 40.1
84 87.1 65.7 98.5

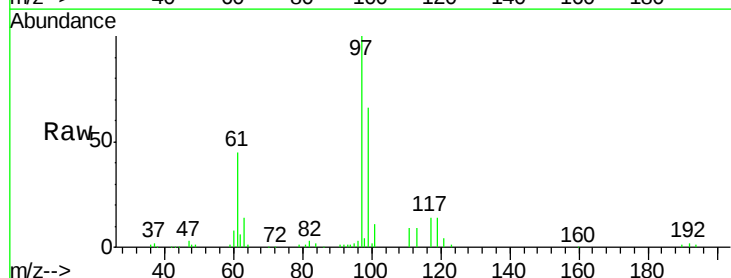


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

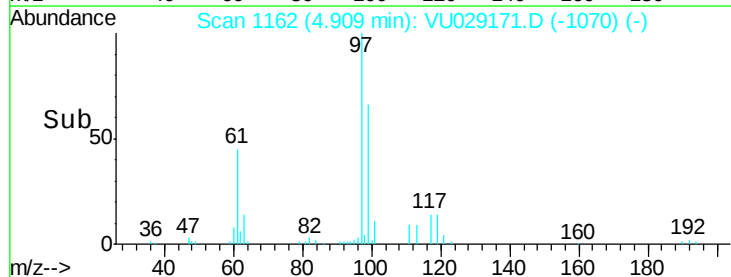
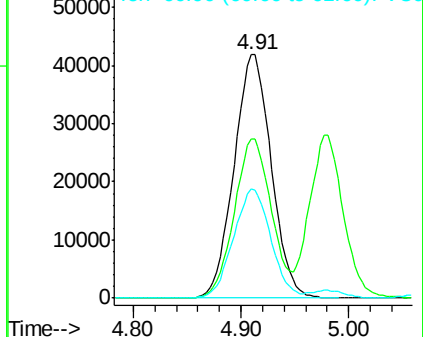


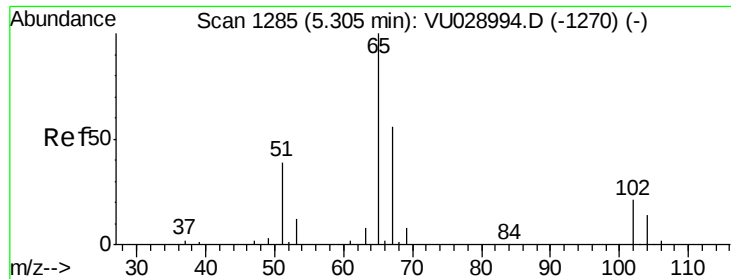
#32
1,1,1-Trichloroethane
Concen: 49.318 ug/l
RT: 4.91 min Scan# 1162
Delta R.T. -0.00 min
Lab File: VU029171.D
Acq: 15 Jan 2019 09:17

Tgt Ion: 97 Resp: 100573
Ion Ratio Lower Upper
97 100
99 65.5 51.0 76.4
61 44.8 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0

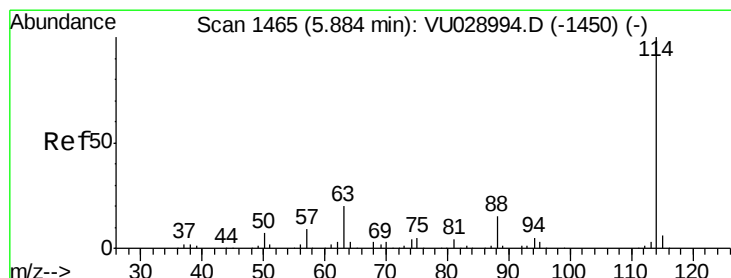
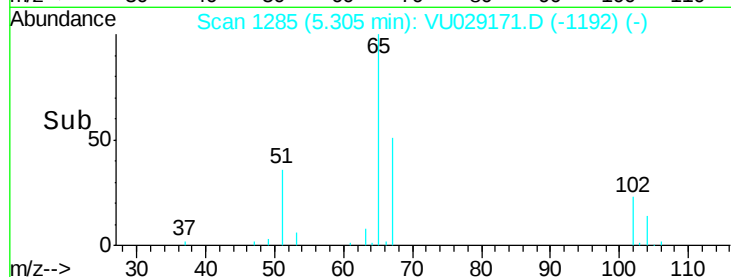
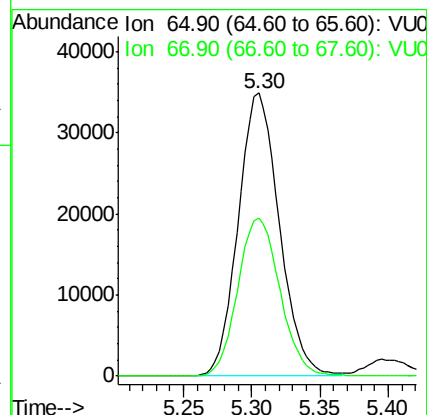
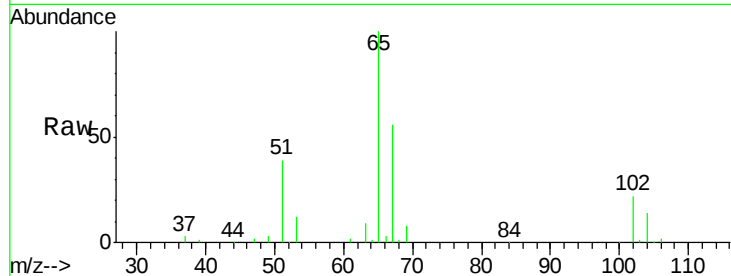




#33
 1,2-Dichloroethane-d4
 Concen: 49.687 ug/l
 RT: 5.30 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VU029171.D
 Acq: 15 Jan 2019 09:17

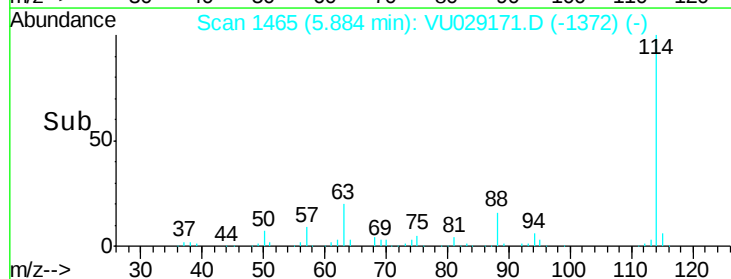
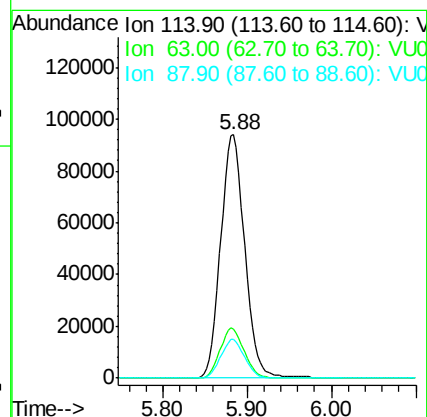
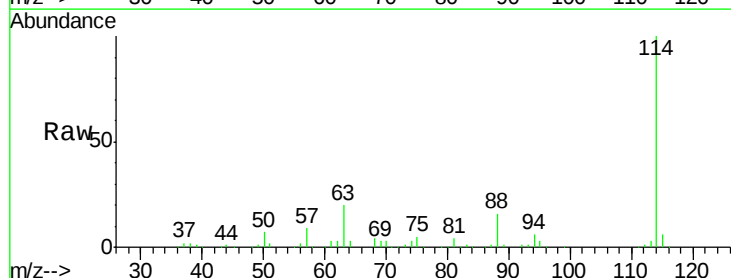
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

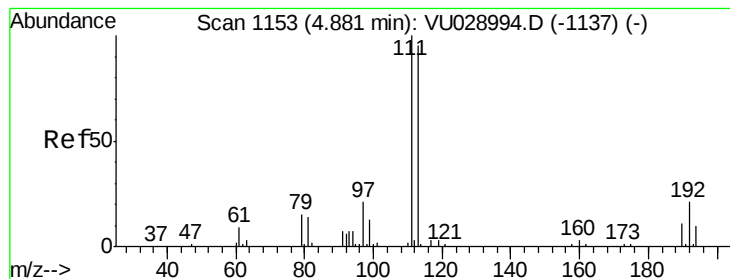
Tot Ion: 65 Resp: 73307
 Ion Ratio Lower Upper
 65 100
 67 57.0 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU029171.D
 Acq: 15 Jan 2019 09:17

Tgt Ion: 114 Resp: 186740
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.2
 88 16.0 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.591 ug/l

RT: 4.88 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

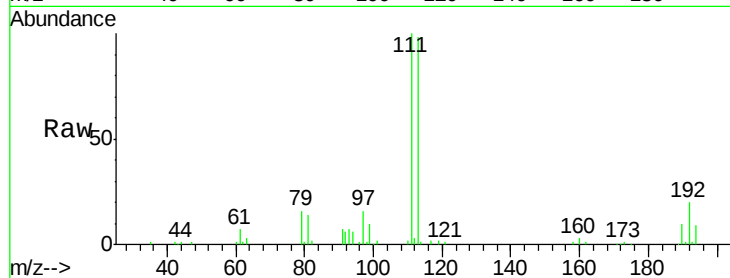
Tot Ion:113 Resp: 63661

Ion Ratio Lower Upper

113 100

111 101.2 81.4 122.2

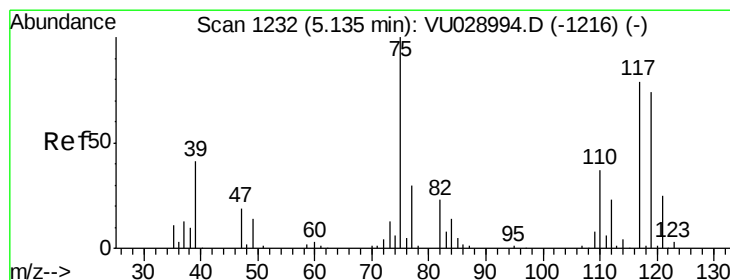
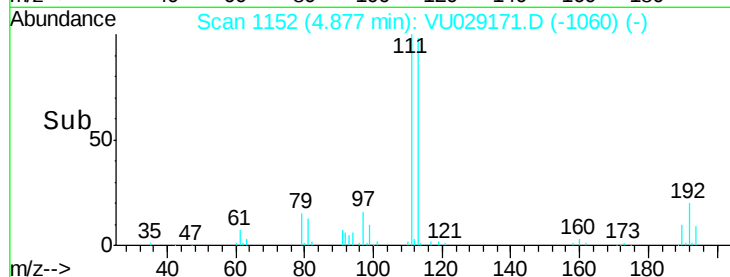
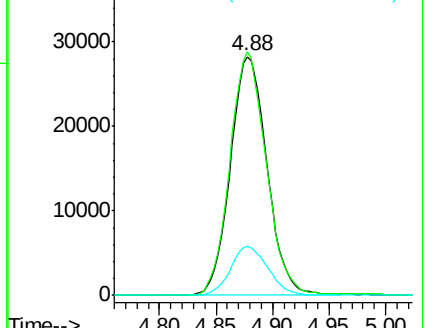
192 20.8 16.8 25.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.429 ug/l

RT: 5.13 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

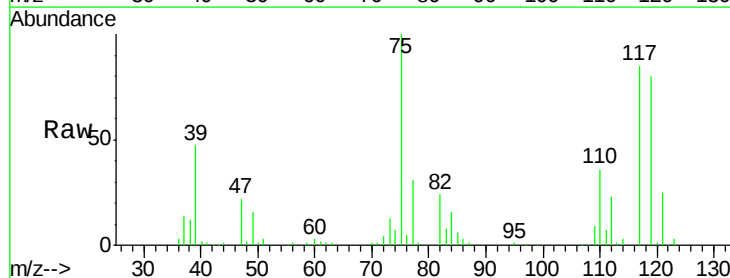
Tgt Ion: 75 Resp: 95995

Ion Ratio Lower Upper

75 100

110 35.5 18.4 55.4

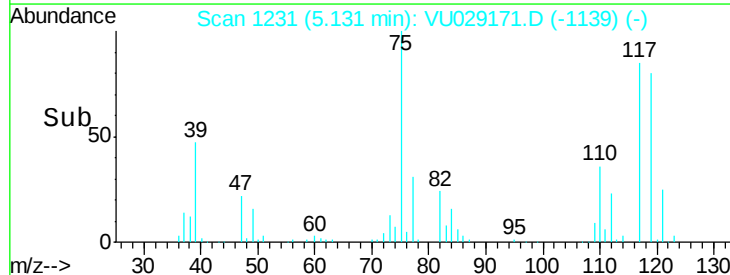
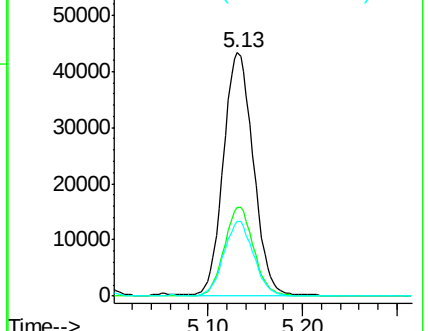
77 30.4 25.1 37.7

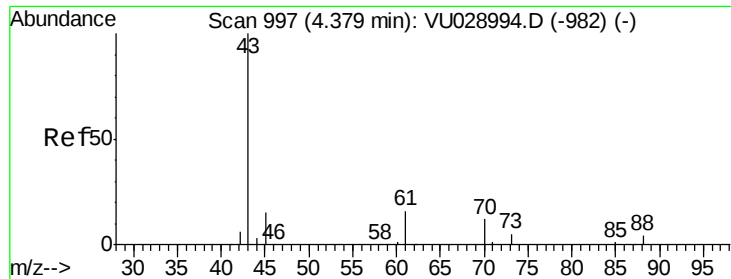


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

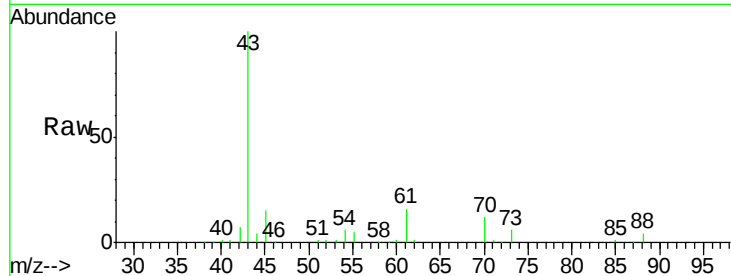




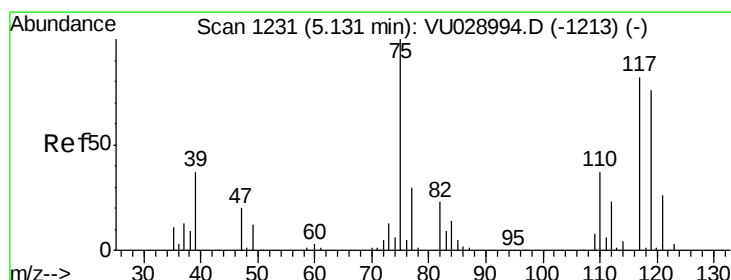
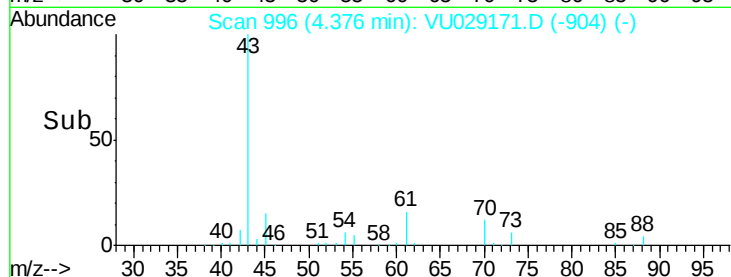
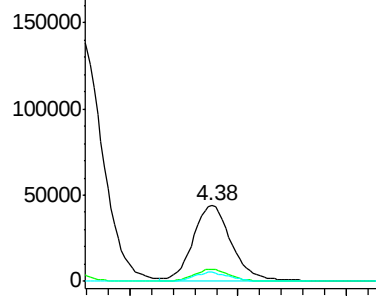
#37
Ethyl Acetate
Concen: 52.348 ug/l
RT: 4.38 min Scan# 996
Delta R.T. -0.00 min
Lab File: VU029171.D
Acq: 15 Jan 2019 09:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 107253
Ion Ratio Lower Upper
43 100
61 15.6 12.6 18.8
70 11.2 9.3 13.9

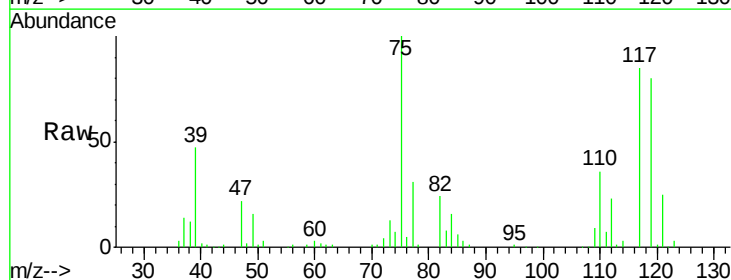


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

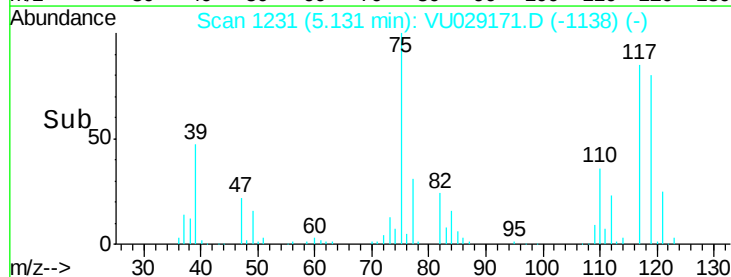
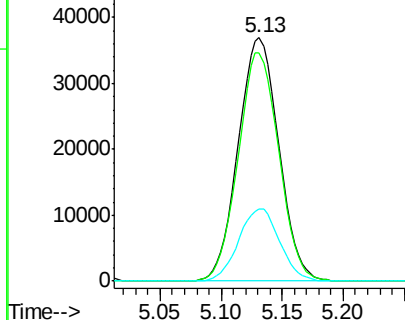


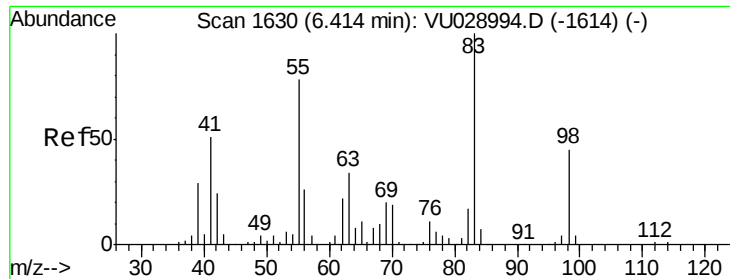
#38
Carbon Tetrachloride
Concen: 54.634 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VU029171.D
Acq: 15 Jan 2019 09:17

Tgt Ion: 117 Resp: 85054
Ion Ratio Lower Upper
117 100
119 93.9 74.6 111.8
121 29.8 25.0 37.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

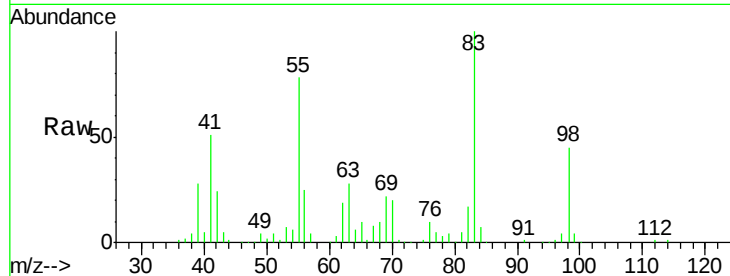




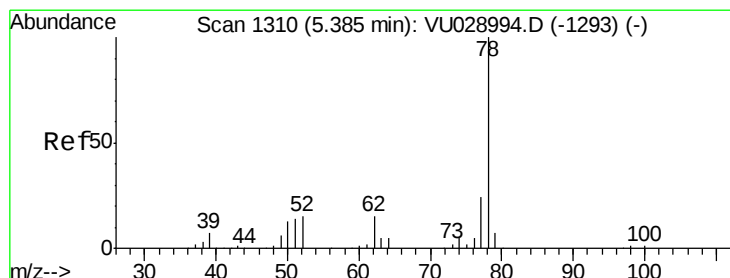
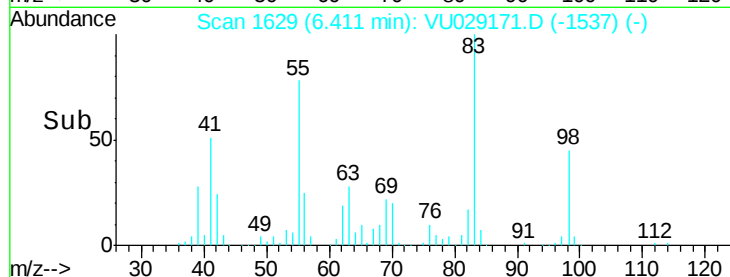
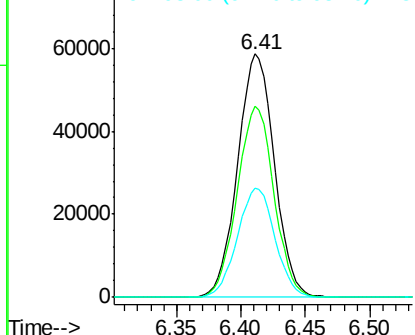
#39
Methvlcvclohexane
Concen: 50.735 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VU029171.D
Acq: 15 Jan 2019 09:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 116420
Ion Ratio Lower Upper
83 100
55 78.4 62.4 93.6
98 44.8 36.2 54.2

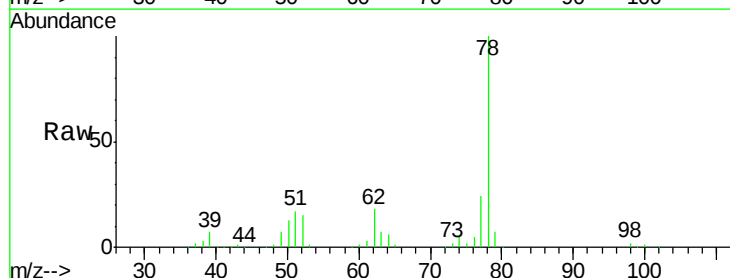


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

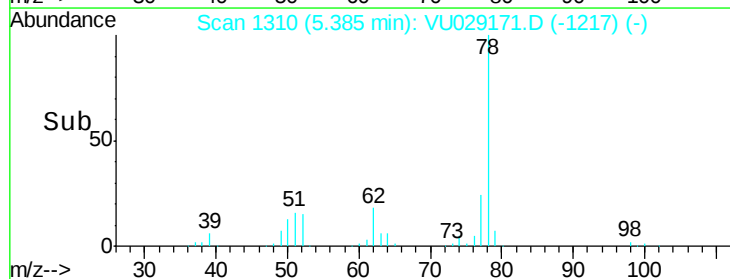
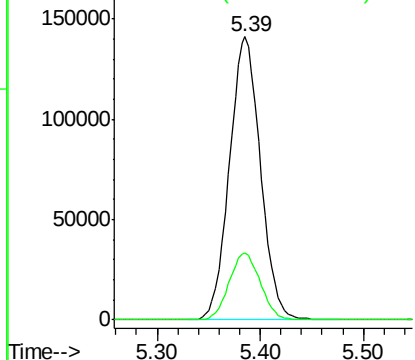


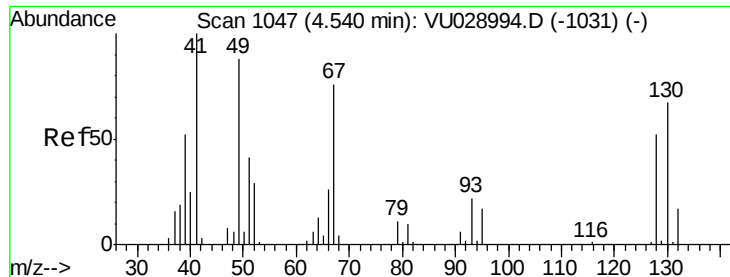
#40
Benzene
Concen: 50.778 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VU029171.D
Acq: 15 Jan 2019 09:17

Tgt Ion: 78 Resp: 295646
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#41

Methacrylonitrile

Concen: 54.580 ug/l

RT: 4.54 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 59859

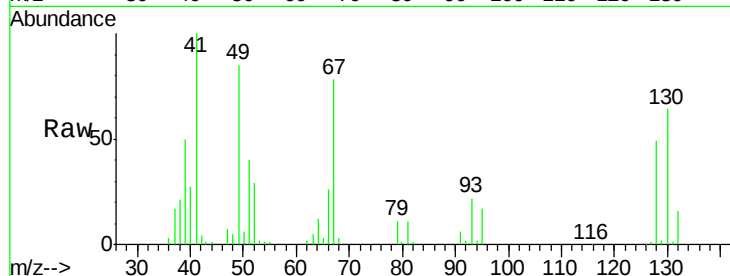
Ion Ratio Lower Upper

41 100

39 52.4 42.3 63.5

67 80.3 64.4 96.6

52 28.7 23.9 35.9

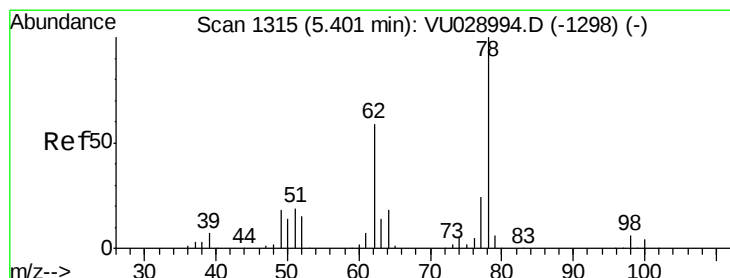
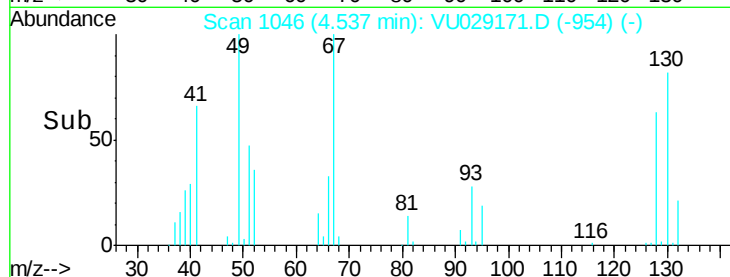
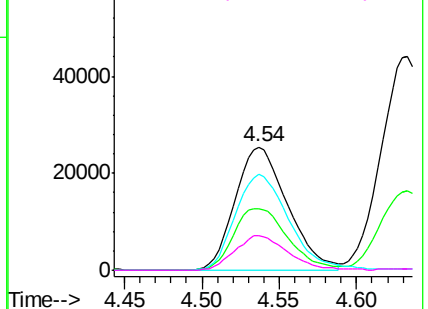


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 53.327 ug/l

RT: 5.40 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU029171.D

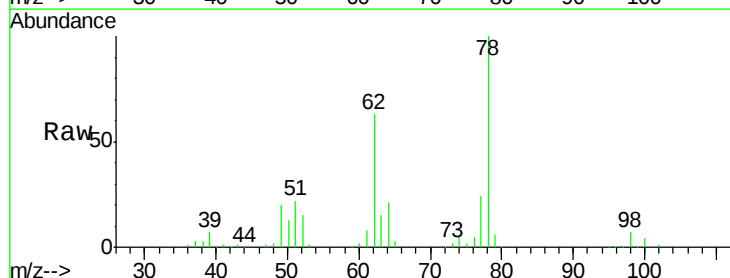
Acq: 15 Jan 2019 09:17

Tgt Ion: 62 Resp: 93297

Ion Ratio Lower Upper

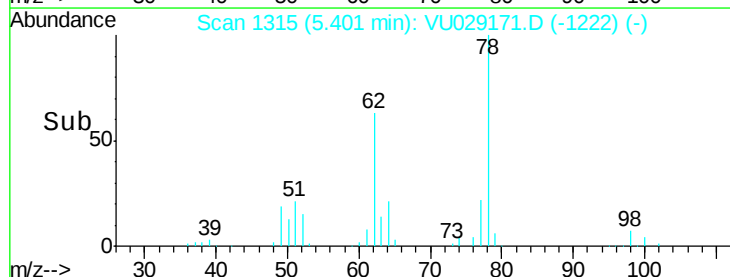
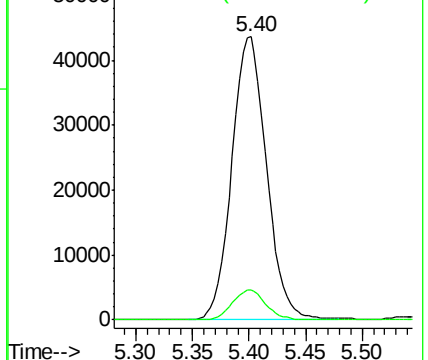
62 100

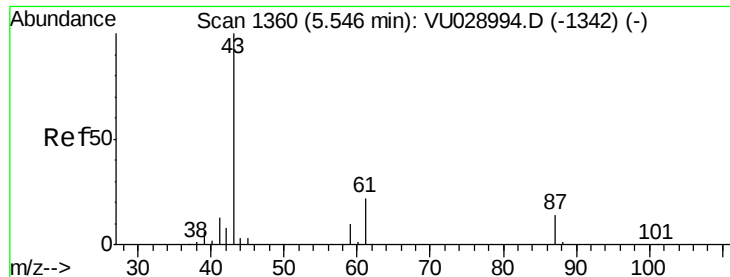
98 10.2 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 53.597 ug/l

RT: 5.54 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

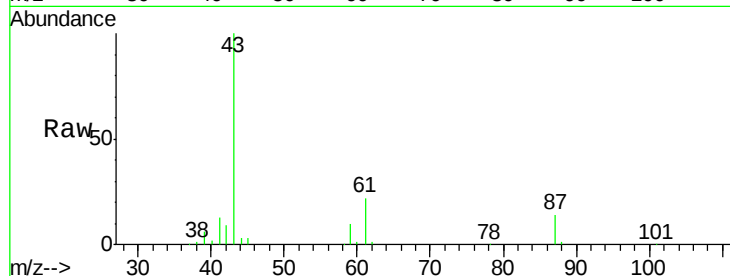
Tot Ion: 43 Resp: 168451

Ion Ratio Lower Upper

43 100

61 22.3 17.8 26.6

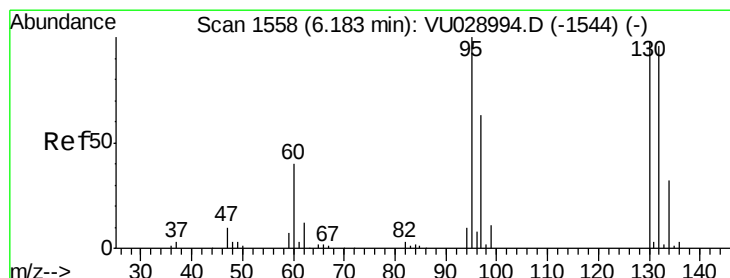
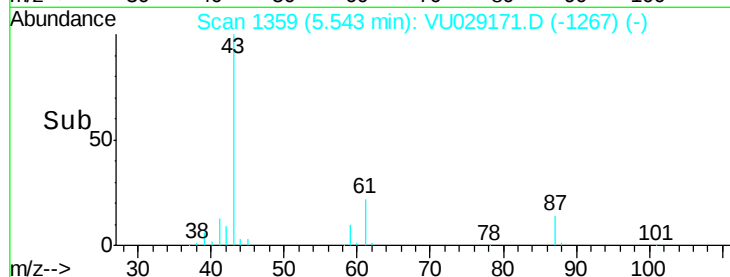
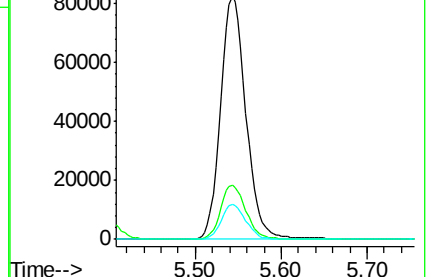
87 13.9 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU028994.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU028994.D (-1342) (-)



#44

Trichloroethene

Concen: 51.015 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU029171.D

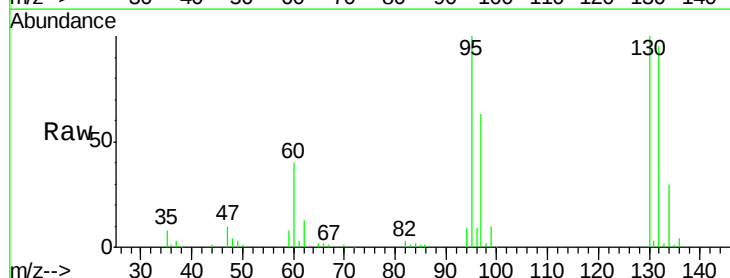
Acq: 15 Jan 2019 09:17

Tgt Ion:130 Resp: 73594

Ion Ratio Lower Upper

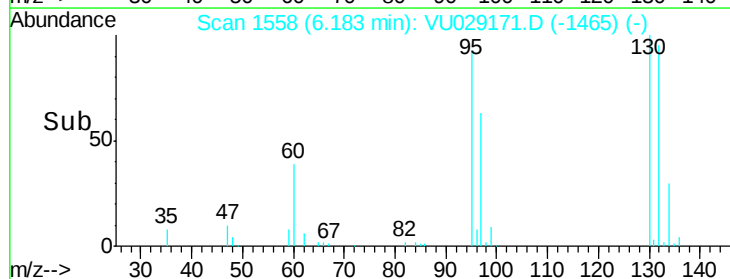
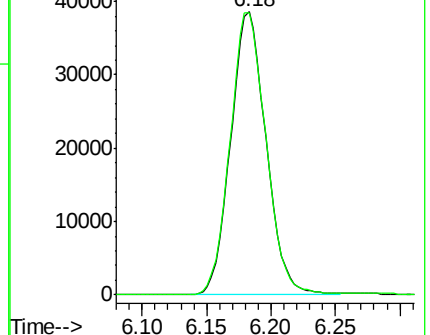
130 100

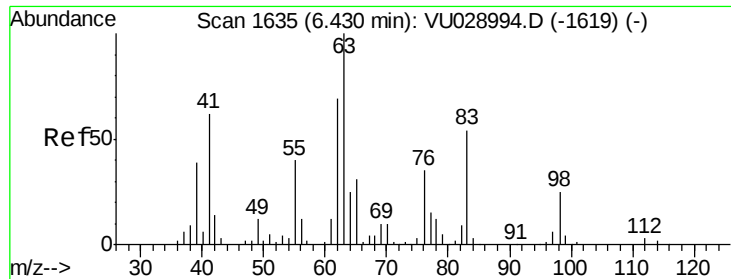
95 99.8 0.0 205.0



Abundance Ion 129.80 (129.50 to 130.50): VU028994.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028994.D (-1544) (-)

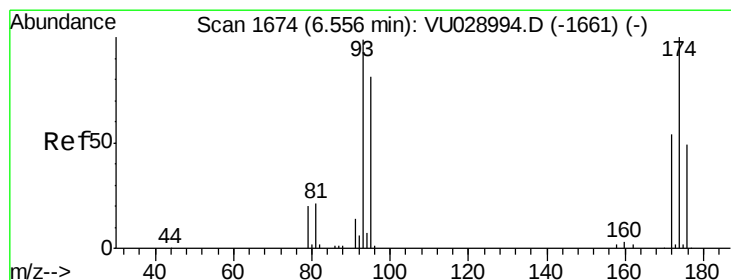
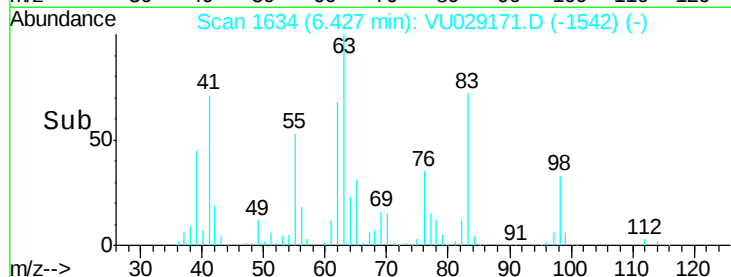
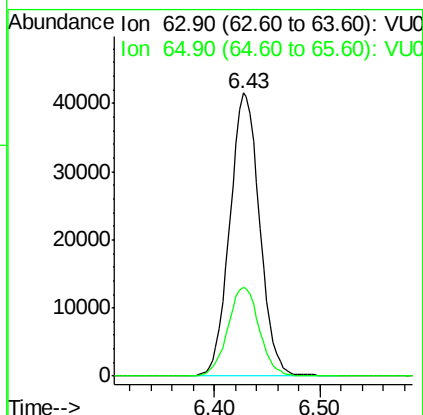
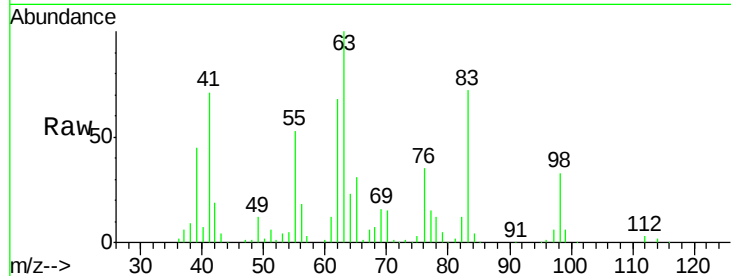




#45
 1,2-Dichloropropane
 Concen: 52.865 ug/l
 RT: 6.43 min Scan# 1634
 Delta R.T. -0.00 min
 Lab File: VU029171.D
 Acq: 15 Jan 2019 09:17

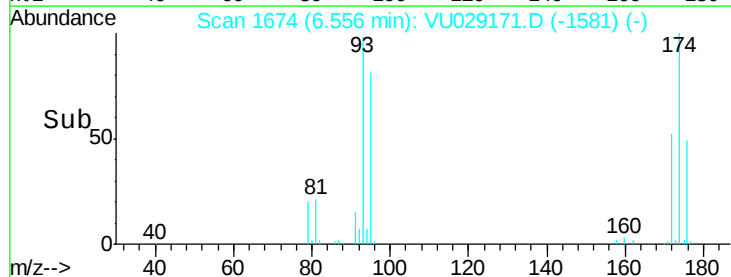
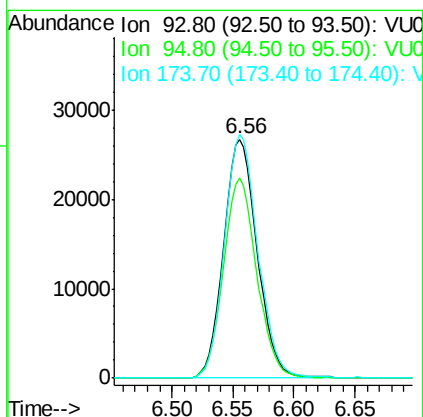
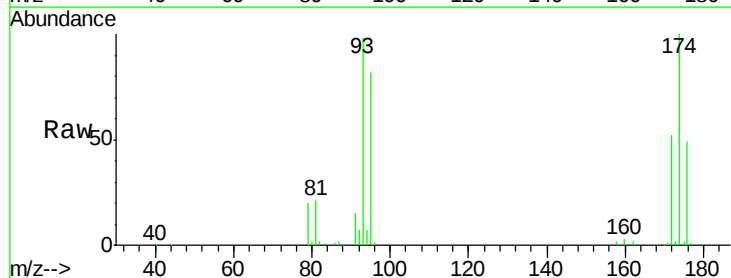
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

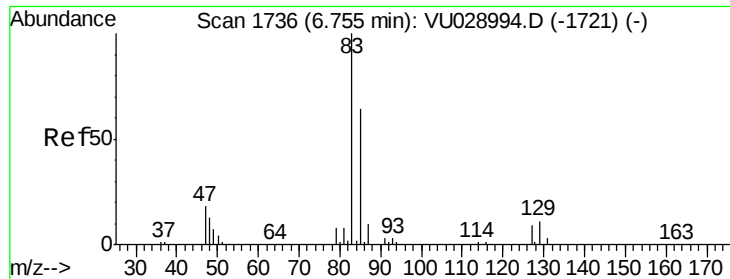
Tot Ion: 63 Resp: 81282
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.1 37.7



#46
 Dibromomethane
 Concen: 52.315 ug/l
 RT: 6.56 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: VU029171.D
 Acq: 15 Jan 2019 09:17

Tgt Ion: 93 Resp: 51420
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.2 100.8
 174 101.9 82.6 123.8

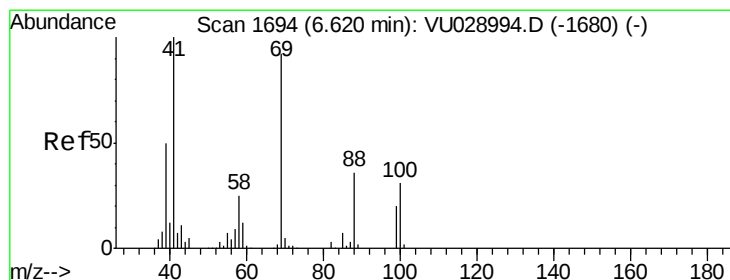
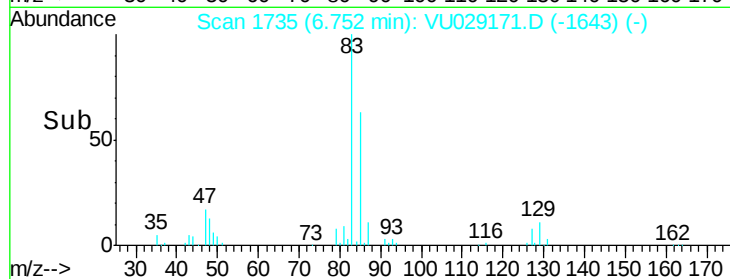
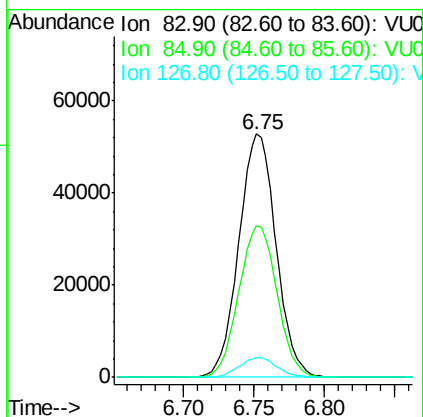
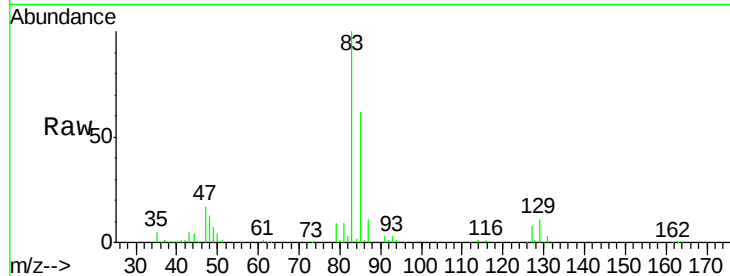




#47
Bromodichloromethane
Concen: 54.069 ug/l
RT: 6.75 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VU029171.D
Acq: 15 Jan 2019 09:17

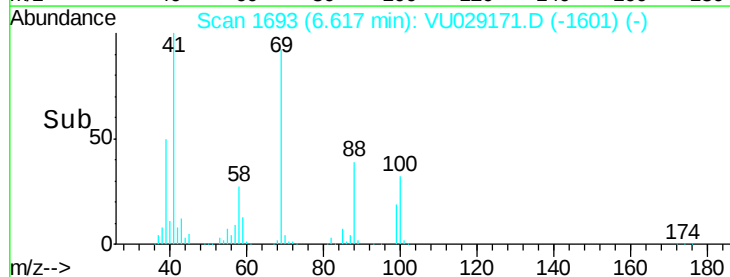
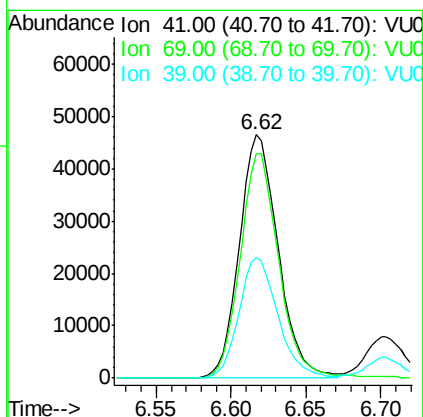
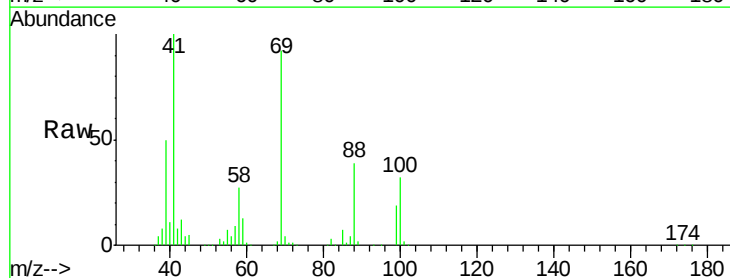
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

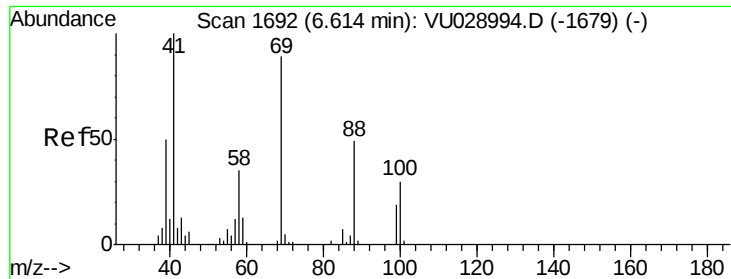
Tot Ion: 83 Resp: 97848
Ion Ratio Lower Upper
83 100
85 62.4 51.4 77.2
127 8.0 7.0 10.4



#48
Methyl methacrylate
Concen: 55.081 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VU029171.D
Acq: 15 Jan 2019 09:17

Tgt Ion: 41 Resp: 84294
Ion Ratio Lower Upper
41 100
69 92.2 73.6 110.4
39 49.3 39.6 59.4

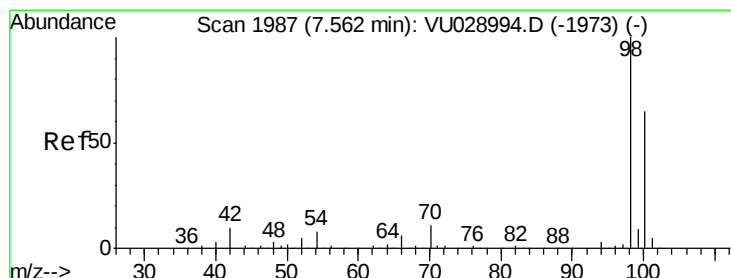
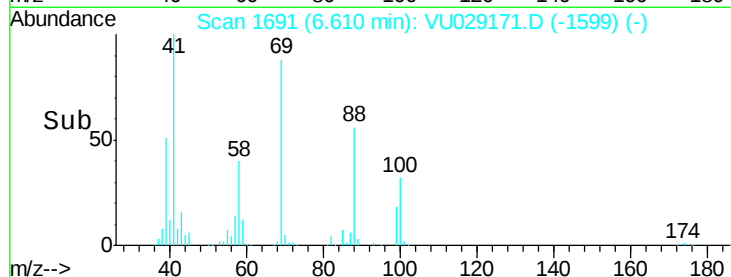
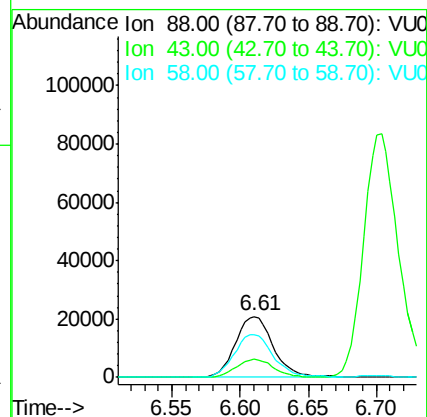
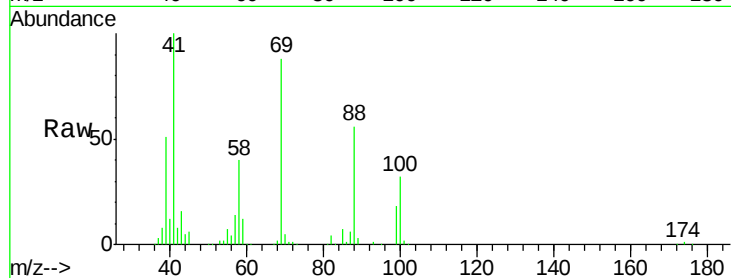




#49
1,4-Dioxane
Concen: 1090.046 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029171.D
Acq: 15 Jan 2019 09:17

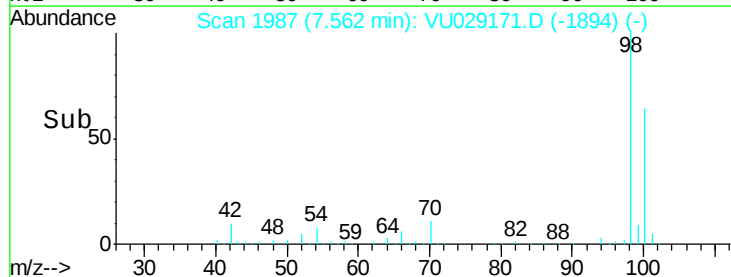
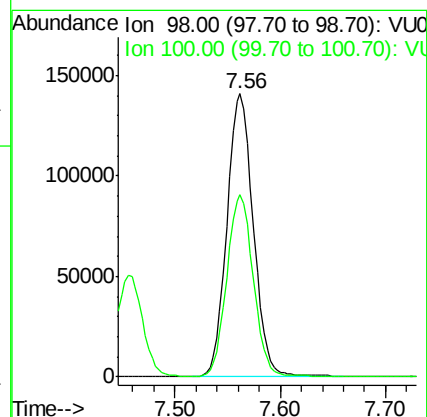
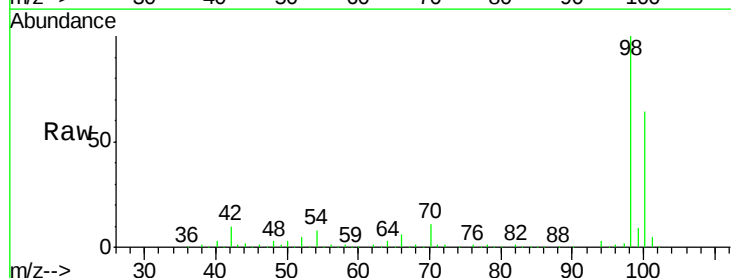
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

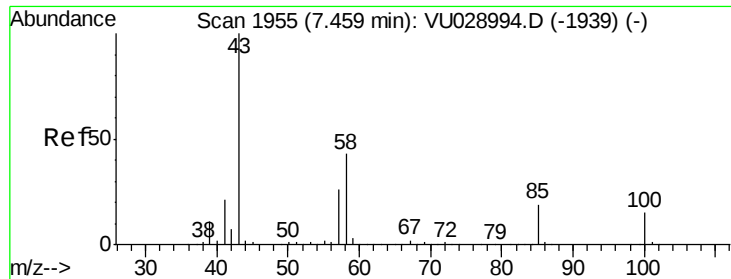
Tot Ion: 88 Resp: 39533
Ion Ratio Lower Upper
88 100
43 30.0 23.0 34.4
58 74.0 57.9 86.9



#50
Toluene-d8
Concen: 51.119 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU029171.D
Acq: 15 Jan 2019 09:17

Tgt Ion: 98 Resp: 244294
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 268.679 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

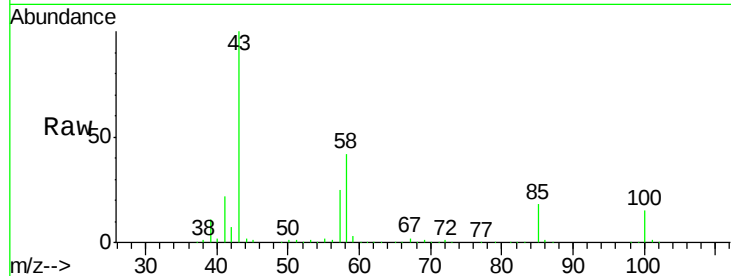
VSTDCCC050

Tot Ion: 43 Resp: 574686

Ion Ratio Lower Upper

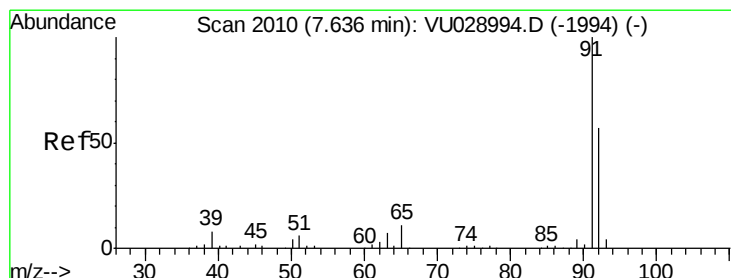
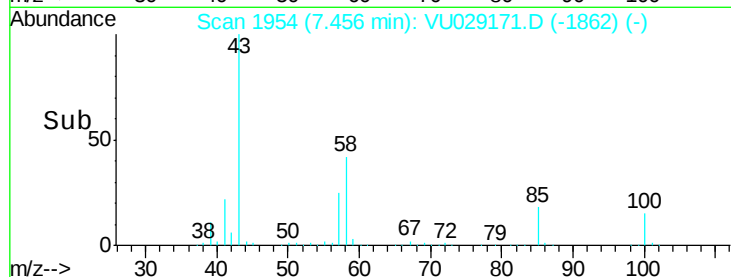
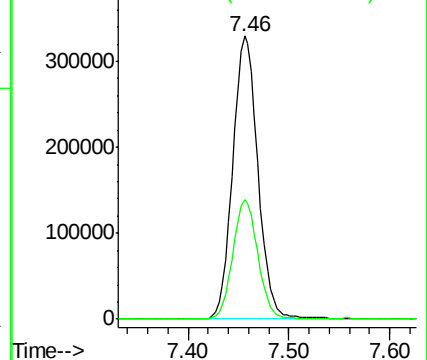
43 100

58 42.0 33.9 50.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 52.050 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU029171.D

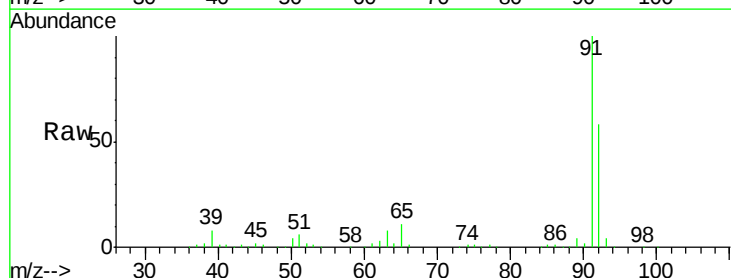
Acq: 15 Jan 2019 09:17

Tgt Ion: 92 Resp: 184488

Ion Ratio Lower Upper

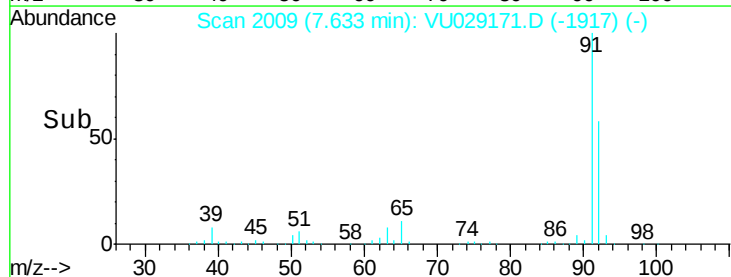
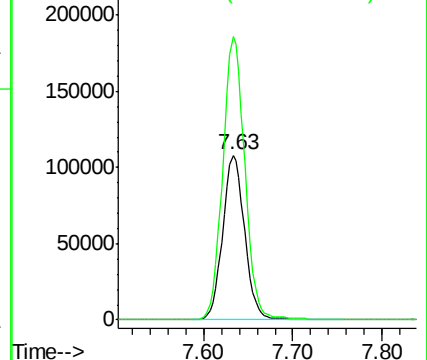
92 100

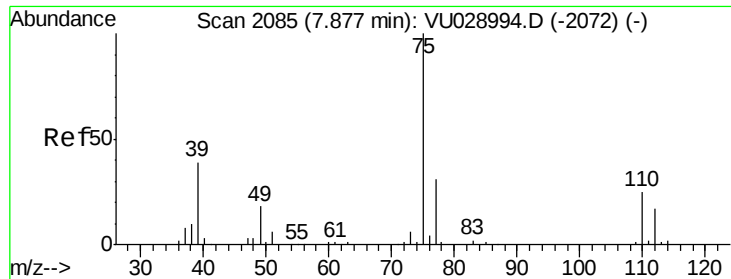
91 173.6 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

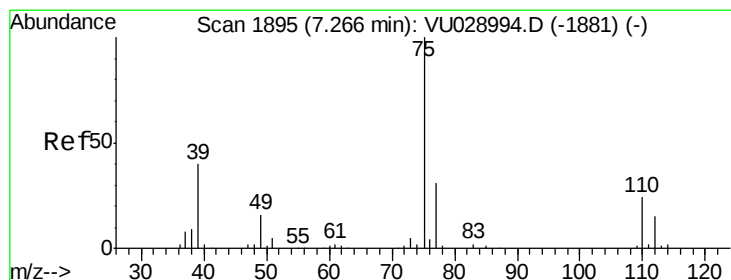
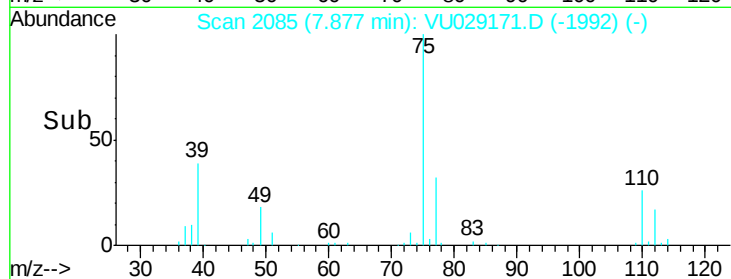
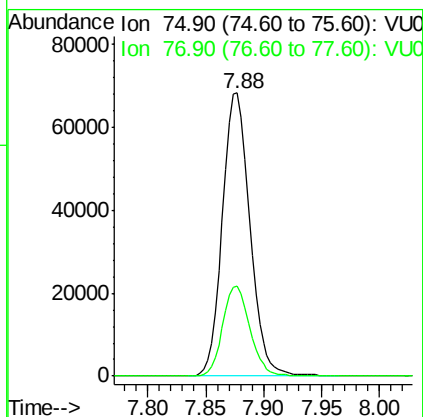
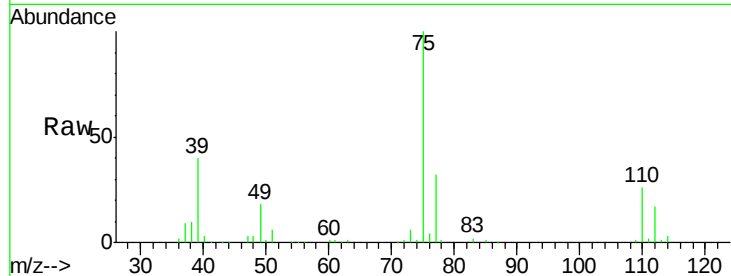




#53
t-1,3-Dichloropropene
Concen: 51.857 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU029171.D
Acq: 15 Jan 2019 09:17

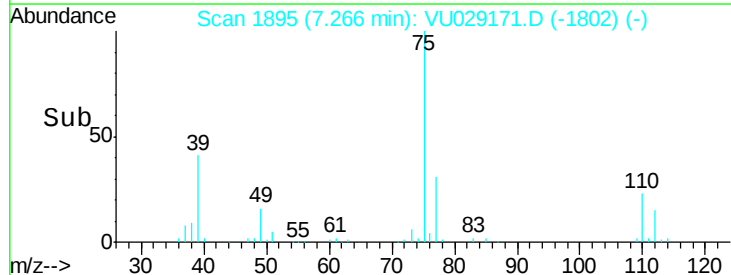
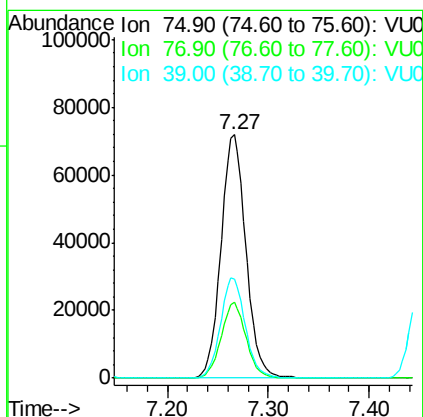
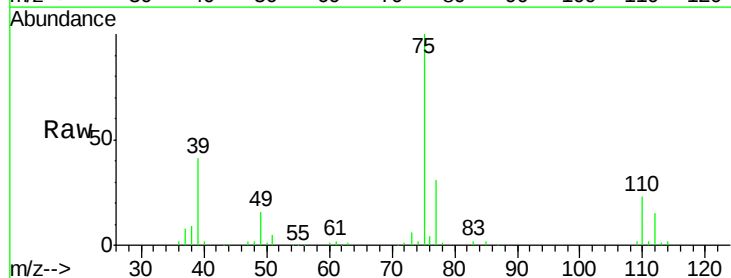
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

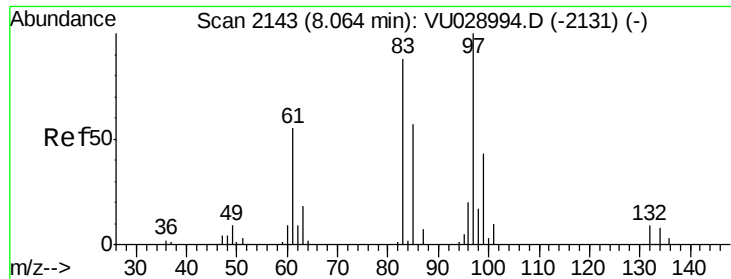
Tot Ion: 75 Resp: 112732
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 52.806 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU029171.D
Acq: 15 Jan 2019 09:17

Tgt Ion: 75 Resp: 124042
Ion Ratio Lower Upper
75 100
77 30.9 25.0 37.6
39 40.9 32.2 48.4

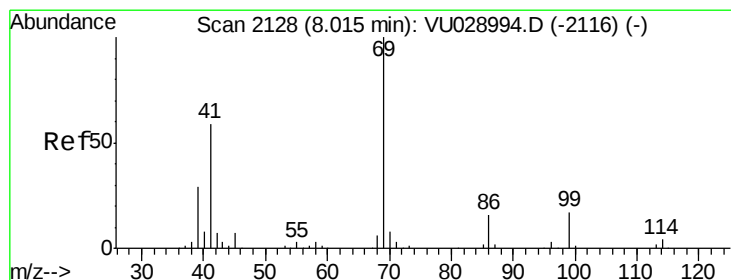
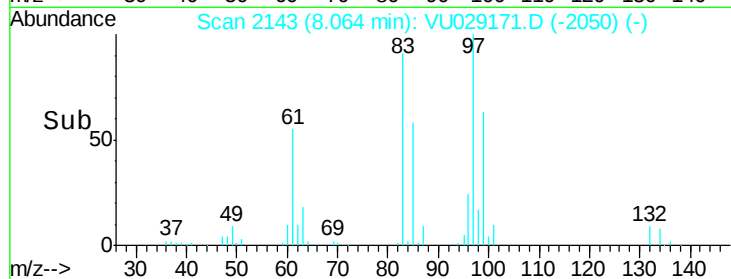
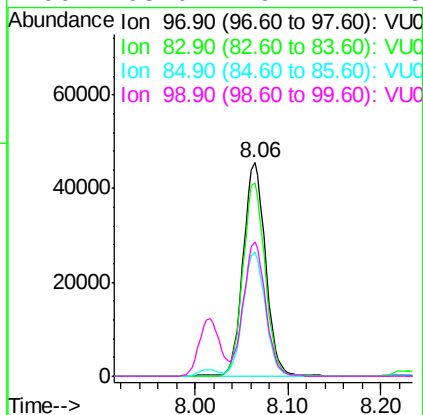
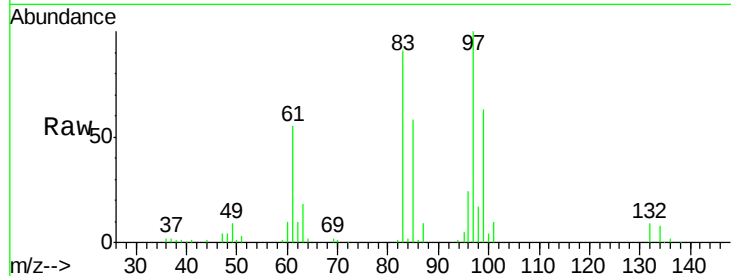




#55
 1,1,2-Trichloroethane
 Concen: 53.914 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU029171.D
 Acq: 15 Jan 2019 09:17

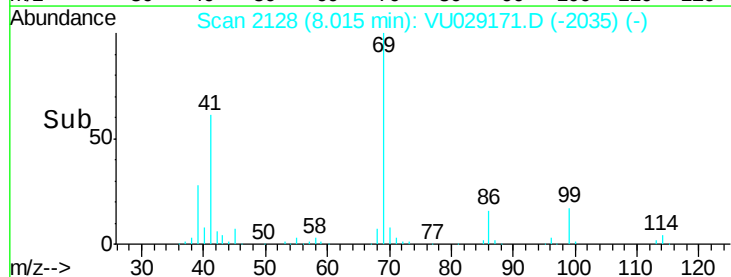
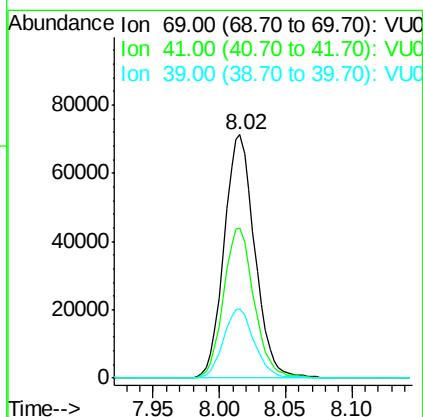
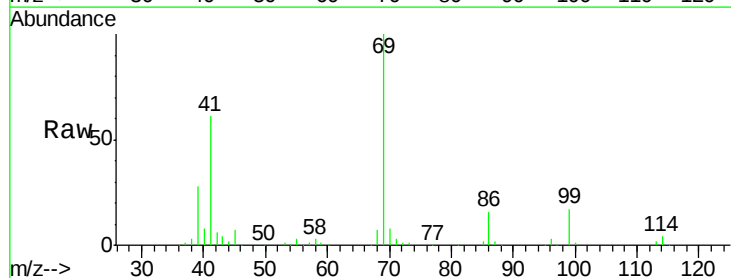
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

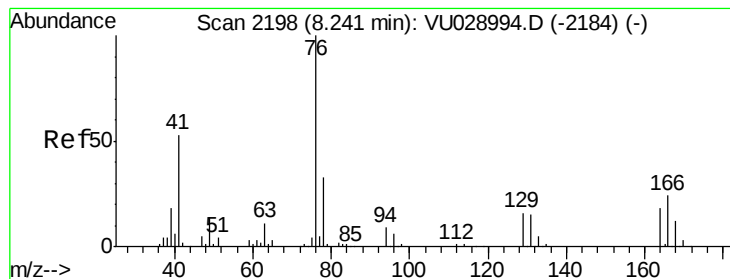
Tot Ion:	97	Resp:	76555
Ion	Ratio	Lower	Upper
97	100		
83	90.6	69.8	104.8
85	58.0	47.3	70.9
99	63.0	49.7	74.5



#56
 Ethyl methacrylate
 Concen: 52.398 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU029171.D
 Acq: 15 Jan 2019 09:17

Tgt Ion:	69	Resp:	114625
Ion	Ratio	Lower	Upper
69	100		
41	61.4	47.5	71.3
39	28.0	22.5	33.7





#57

1,3-Dichloropropane

Concen: 52.542 ug/l

RT: 8.24 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

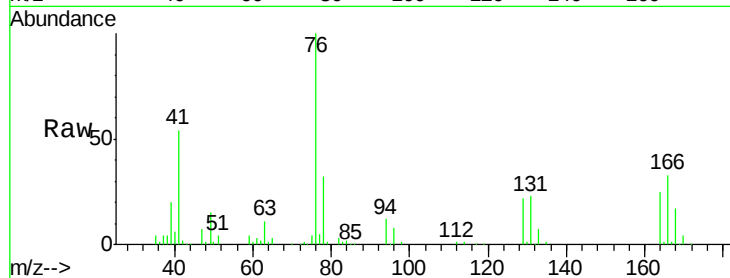
VSTDCCC050

Tot Ion: 76 Resp: 127661

Ion Ratio Lower Upper

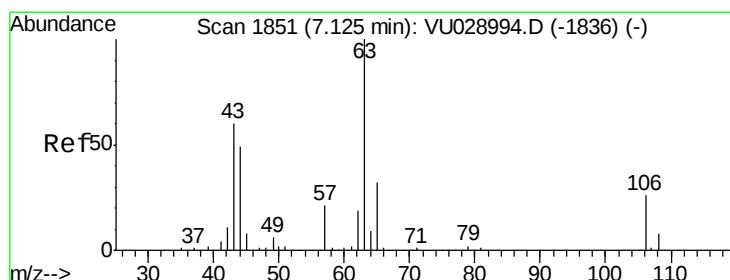
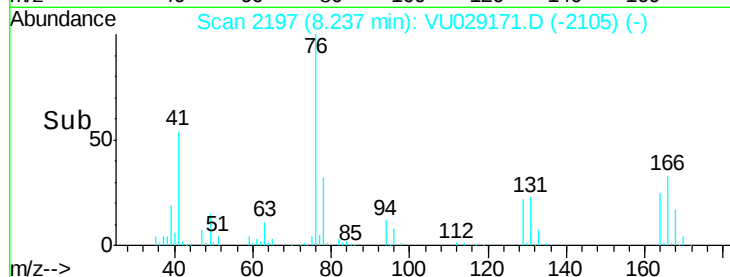
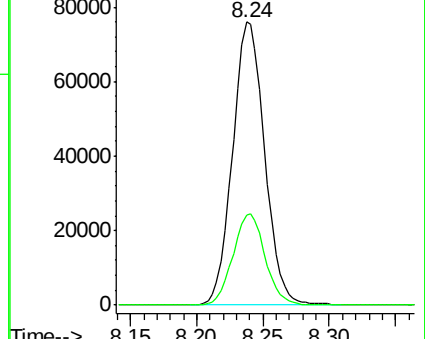
76 100

78 32.1 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 239.223 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU029171.D

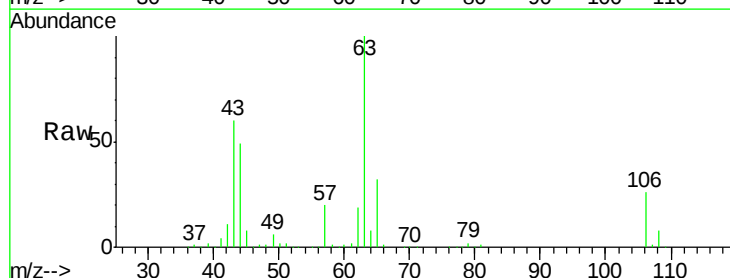
Acq: 15 Jan 2019 09:17

Tgt Ion: 63 Resp: 230148

Ion Ratio Lower Upper

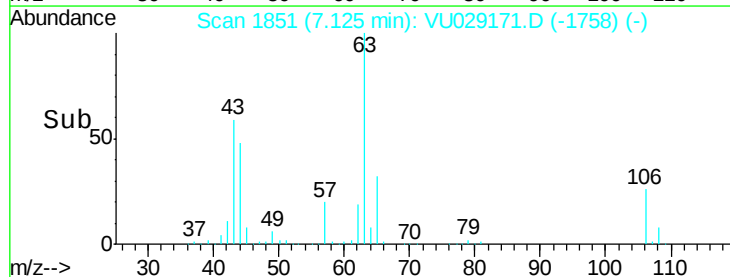
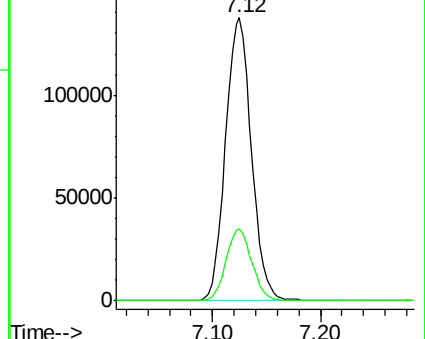
63 100

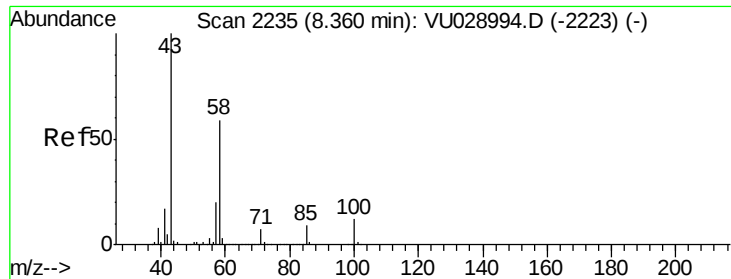
106 25.4 20.6 31.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

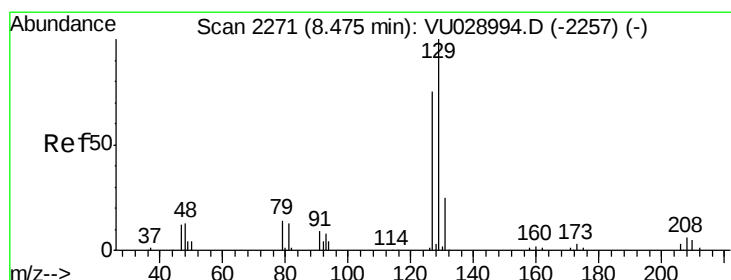
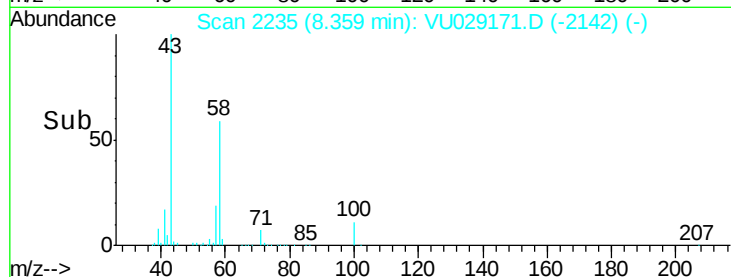
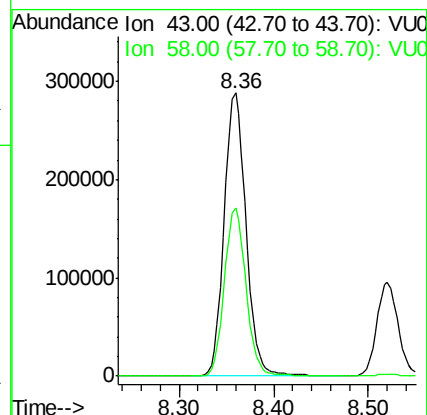
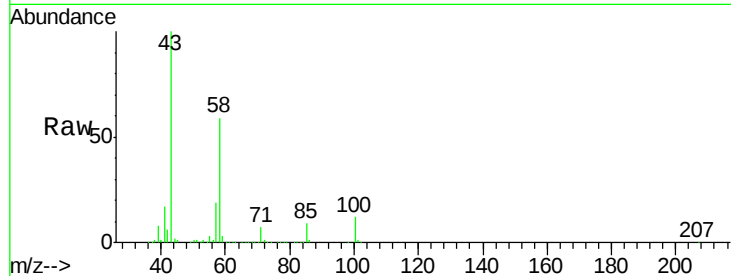




#59
2-Hexanone
Concen: 276.419 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU029171.D
Acq: 15 Jan 2019 09:17

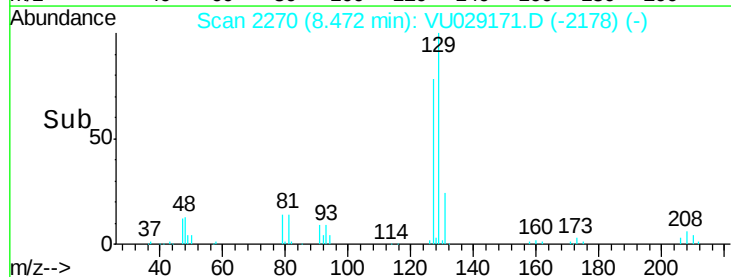
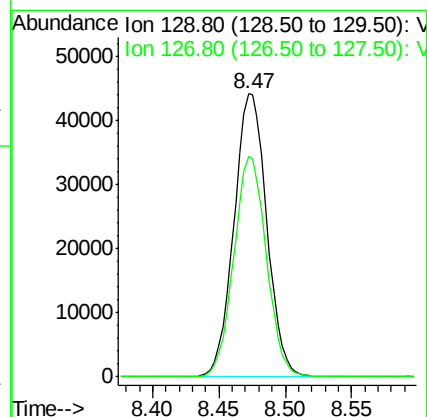
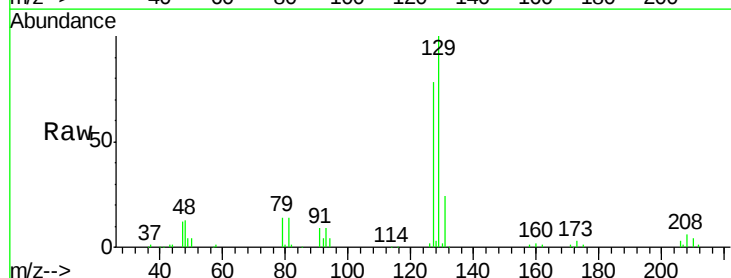
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

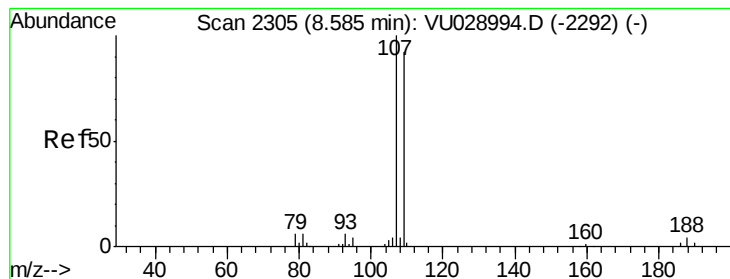
Tot Ion: 43 Resp: 464104
Ion Ratio Lower Upper
43 100
58 59.0 29.8 89.4



#60
Dibromochloromethane
Concen: 54.015 ug/l
RT: 8.47 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VU029171.D
Acq: 15 Jan 2019 09:17

Tgt Ion: 129 Resp: 75987
Ion Ratio Lower Upper
129 100
127 77.1 38.0 114.0





#61

1,2-Dibromoethane

Concen: 52.078 ug/l

RT: 8.58 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

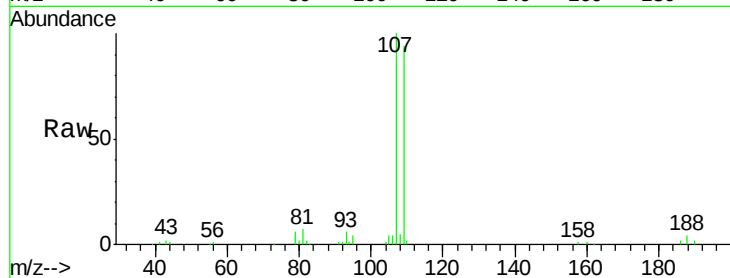
VSTDCCC050

Tot Ion:107 Resp: 80201

Ion Ratio Lower Upper

107 100

109 94.4 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

50000

40000

30000

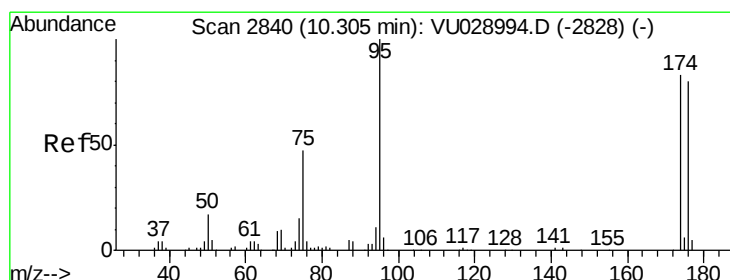
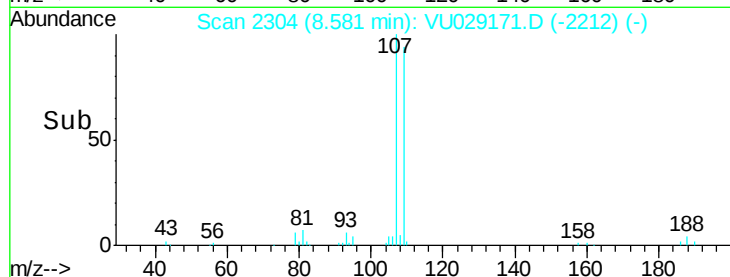
20000

10000

0

8.50 8.55 8.60 8.65 8.70

Time-->



#62

4-Bromofluorobenzene

Concen: 51.370 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

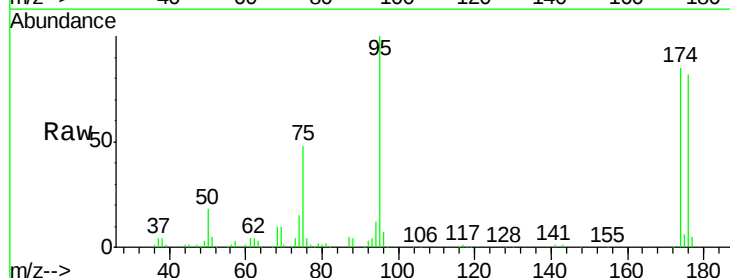
Tgt Ion: 95 Resp: 88225

Ion Ratio Lower Upper

95 100

174 84.9 0.0 170.6

176 82.4 0.0 165.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.30

60000

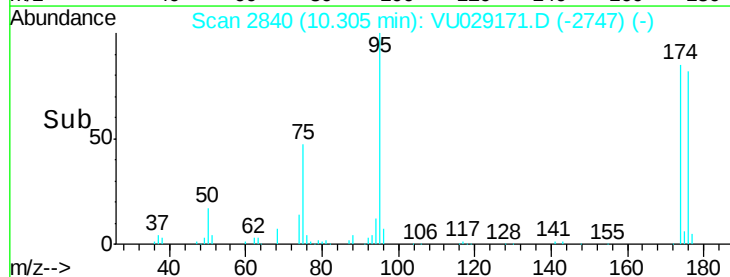
40000

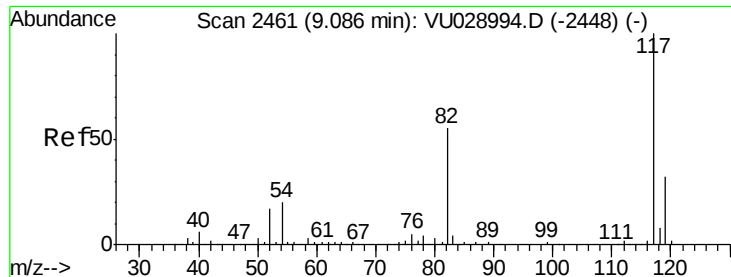
20000

0

10.30 10.40

Time-->

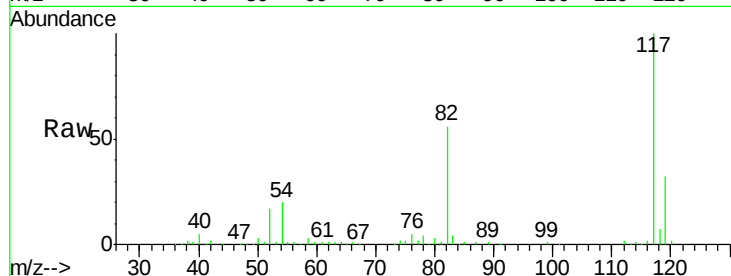




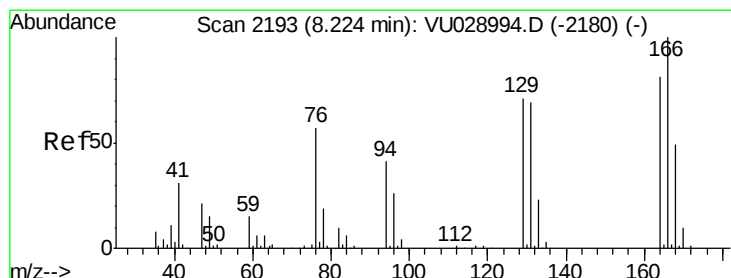
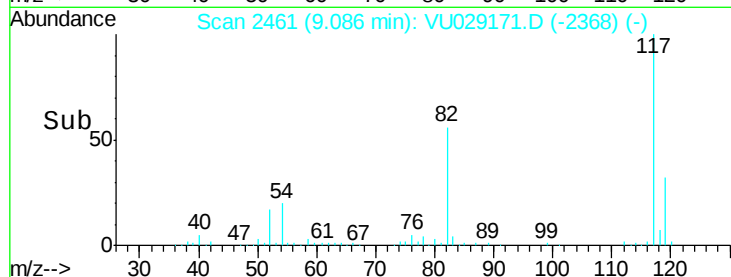
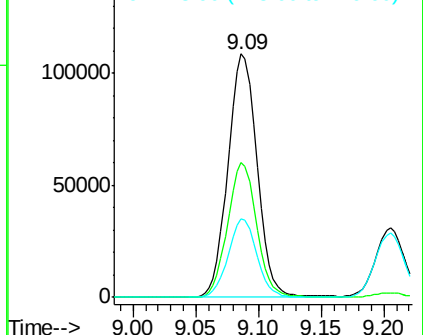
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU029171.D
Acq: 15 Jan 2019 09:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 175681
Ion Ratio Lower Upper
117 100
82 55.6 43.9 65.9
119 32.0 26.0 39.0

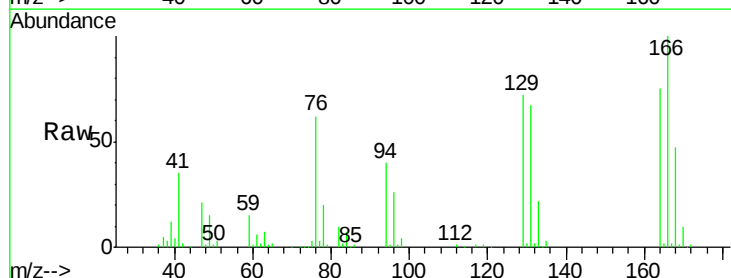


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

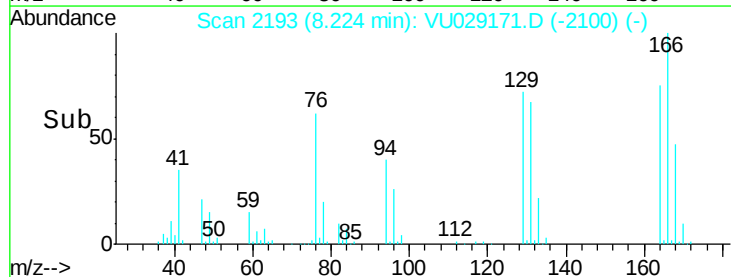
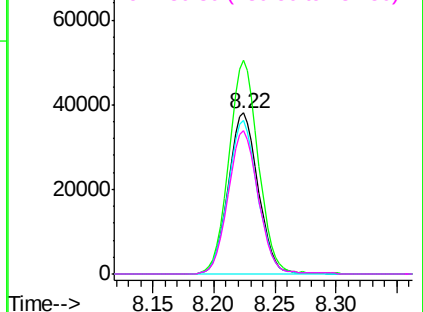


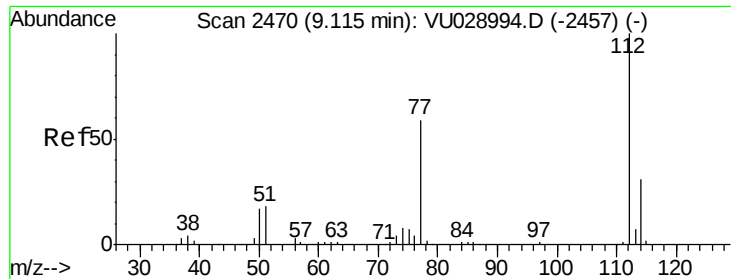
#64
Tetrachloroethene
Concen: 51.706 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU029171.D
Acq: 15 Jan 2019 09:17

Tgt Ion:164 Resp: 65435
Ion Ratio Lower Upper
164 100
166 132.7 99.4 149.0
129 95.1 70.5 105.7
131 88.9 69.0 103.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 50.334 ug/l

RT: 9.12 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

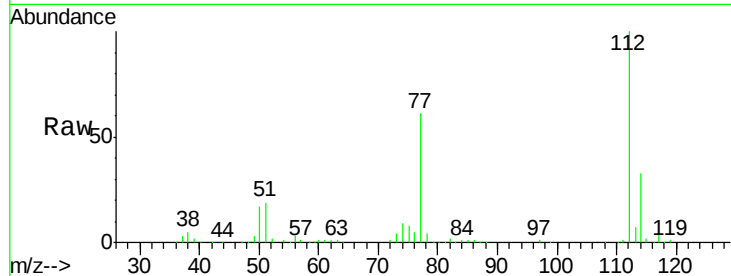
VSTDCCC050

Tot Ion:112 Resp: 198214

Ion Ratio Lower Upper

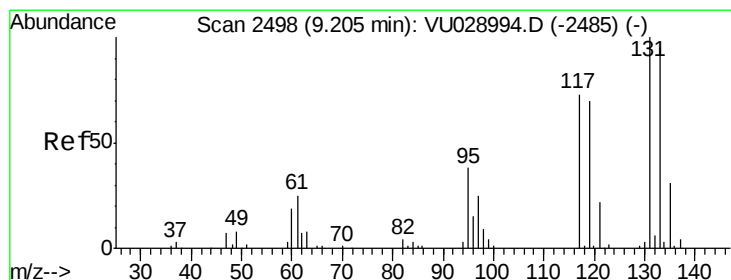
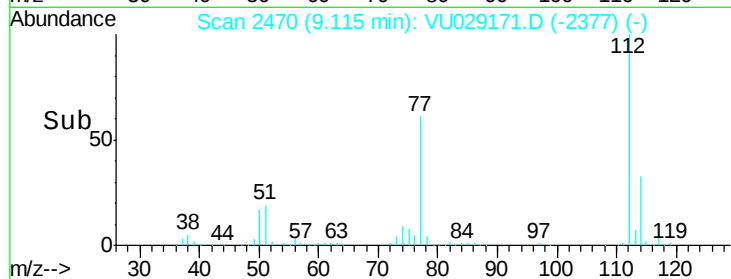
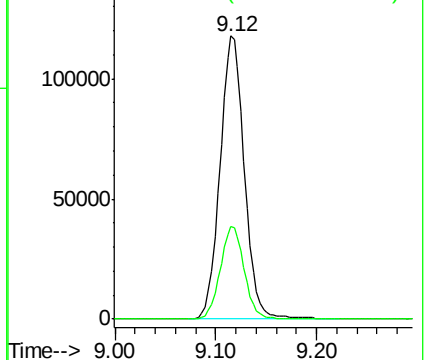
112 100

114 32.8 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.546 ug/l

RT: 9.21 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

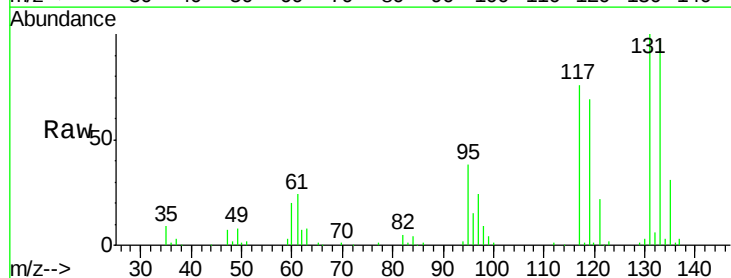
Tgt Ion:131 Resp: 68429

Ion Ratio Lower Upper

131 100

133 95.9 48.2 144.6

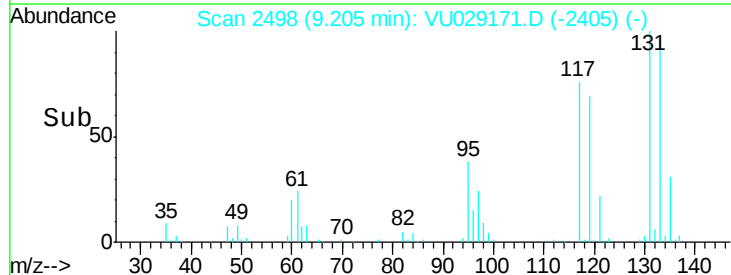
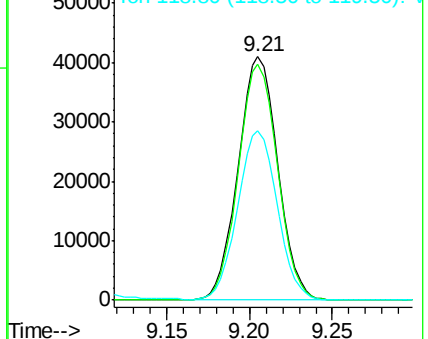
119 69.3 35.4 106.3

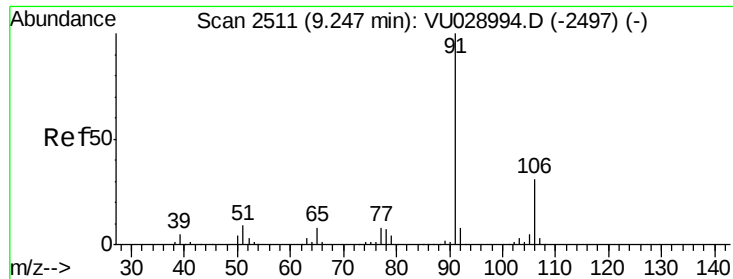


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

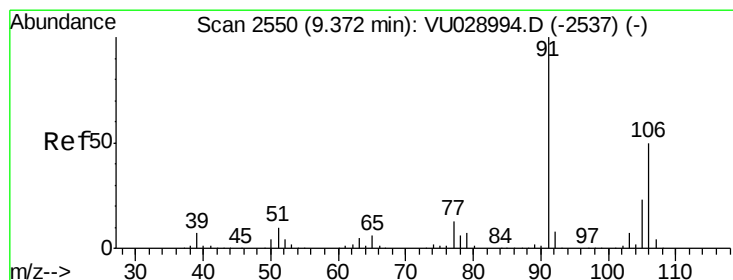
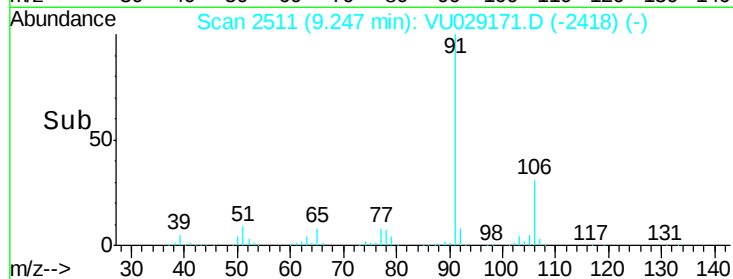
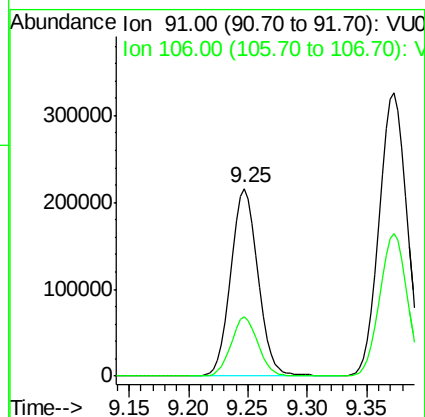
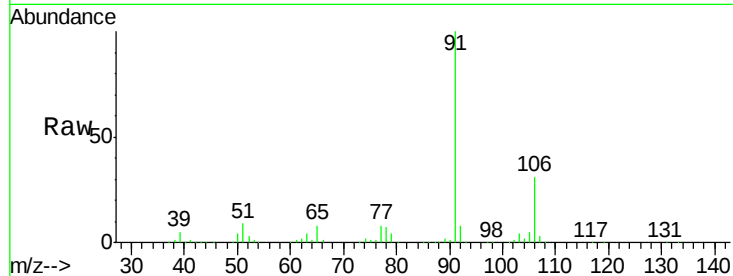




#67
Ethyl Benzene
Concen: 52.421 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU029171.D
Acq: 15 Jan 2019 09:17

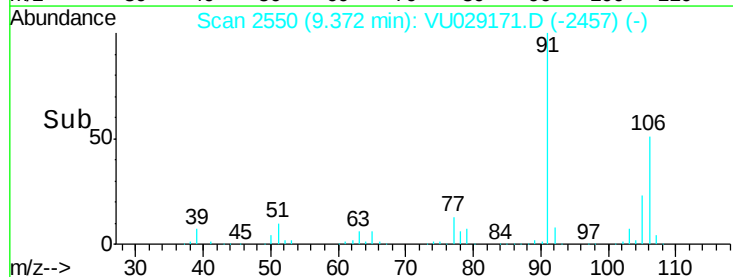
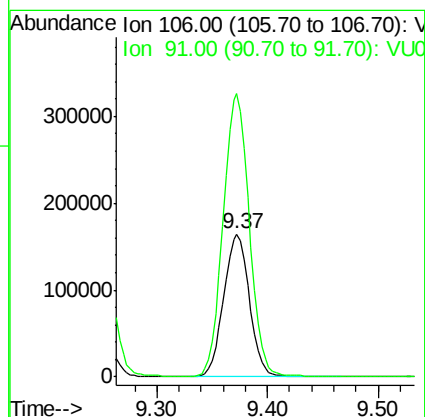
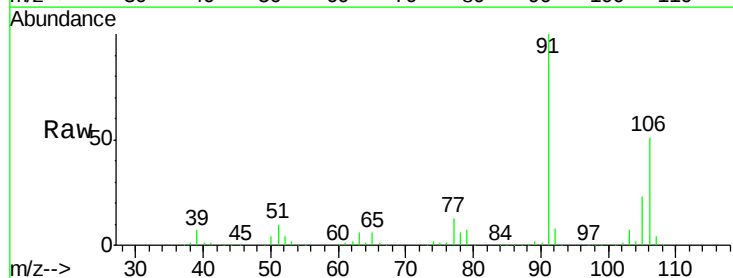
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

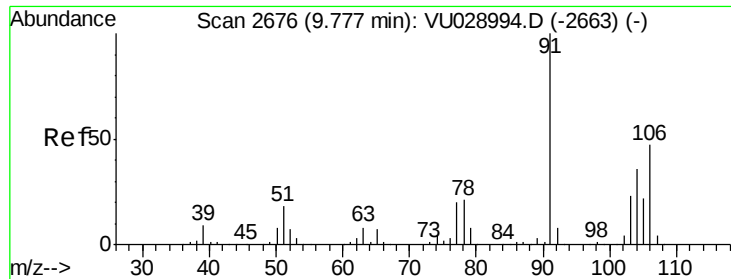
Tot Ion: 91 Resp: 344649
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.4



#68
m/p-Xylenes
Concen: 104.201 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU029171.D
Acq: 15 Jan 2019 09:17

Tgt Ion: 106 Resp: 266189
Ion Ratio Lower Upper
106 100
91 200.9 161.7 242.5

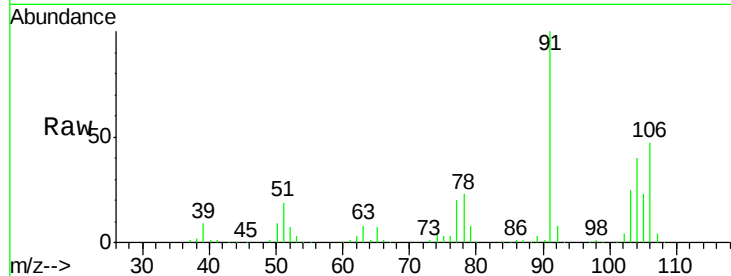




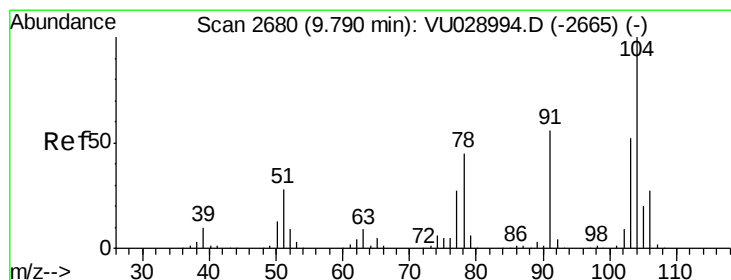
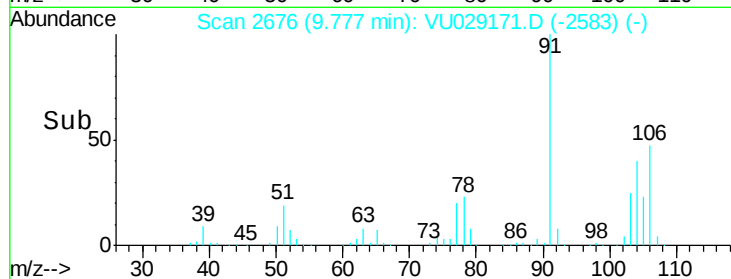
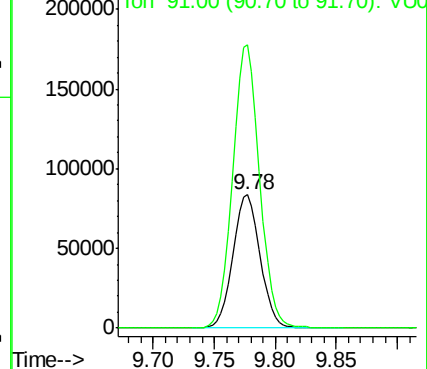
#69
o-Xylene
Concen: 53.129 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU029171.D
Acq: 15 Jan 2019 09:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 130773
Ion Ratio Lower Upper
106 100
91 209.8 106.1 318.3

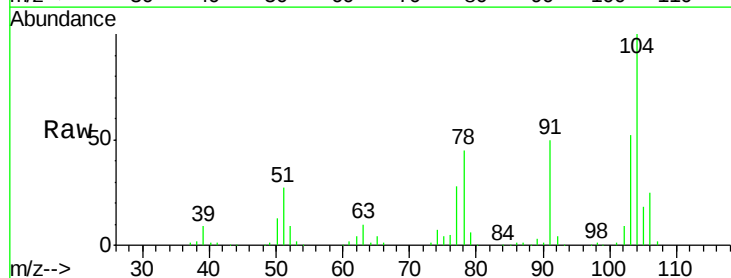


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

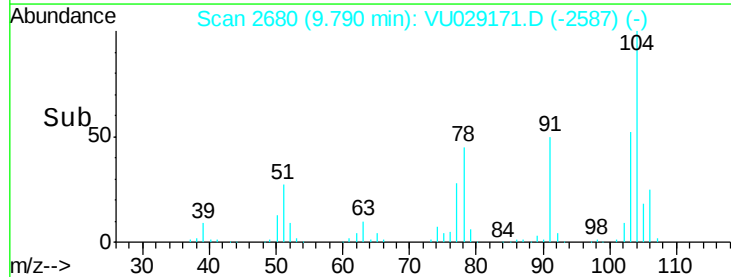
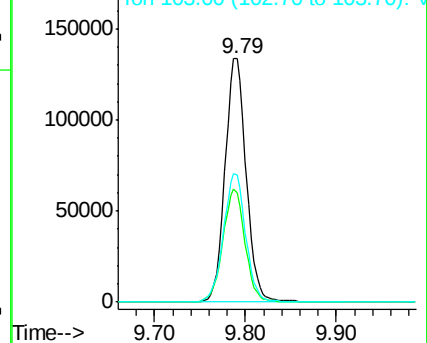


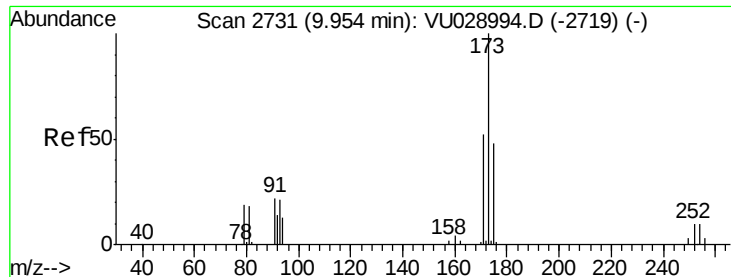
#70
Styrene
Concen: 53.549 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU029171.D
Acq: 15 Jan 2019 09:17

Tgt Ion:104 Resp: 216074
Ion Ratio Lower Upper
104 100
78 48.6 38.6 58.0
103 55.5 44.5 66.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 54.086 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

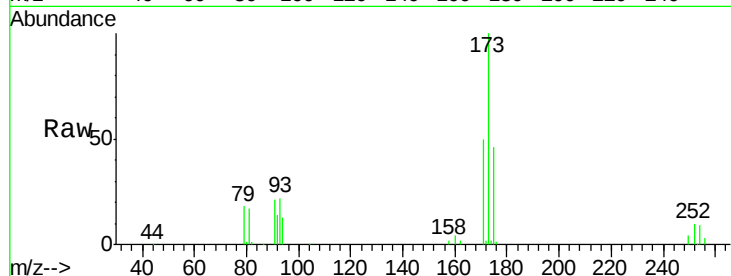
Tot Ion:173 Resp: 61545

Ion Ratio Lower Upper

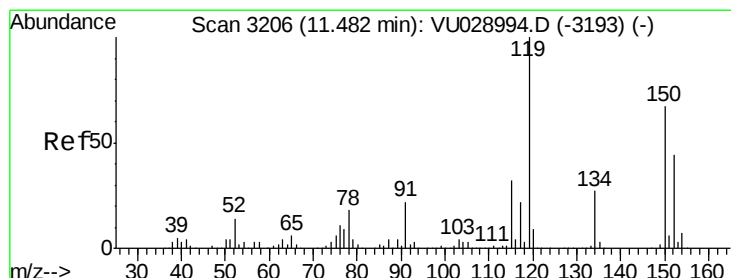
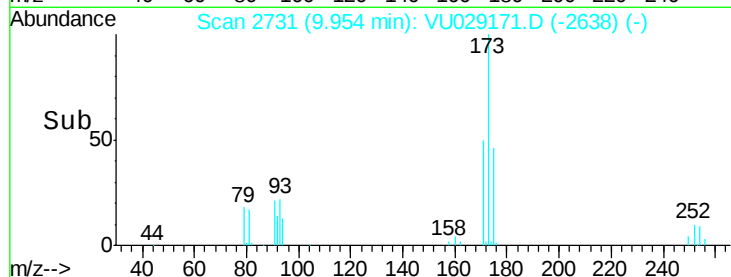
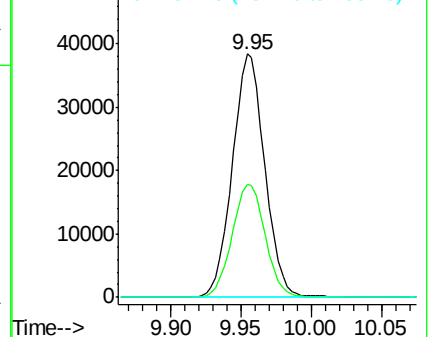
173 100

175 47.6 23.8 71.2

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

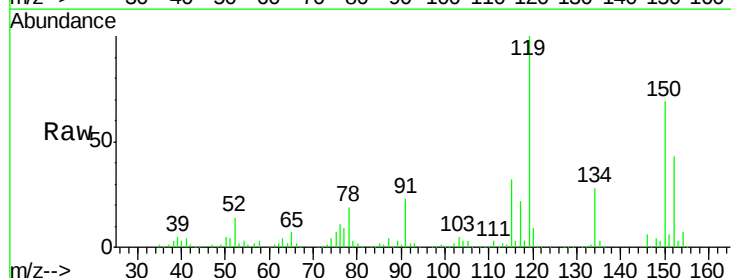
Tgt Ion:152 Resp: 91384

Ion Ratio Lower Upper

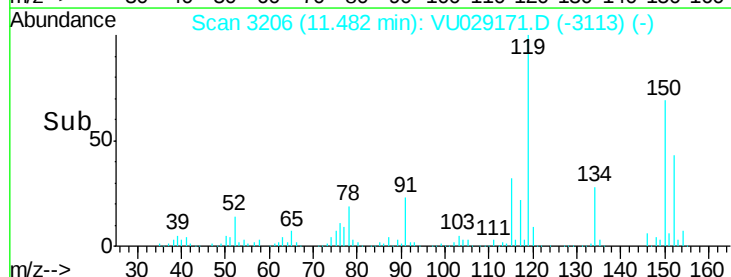
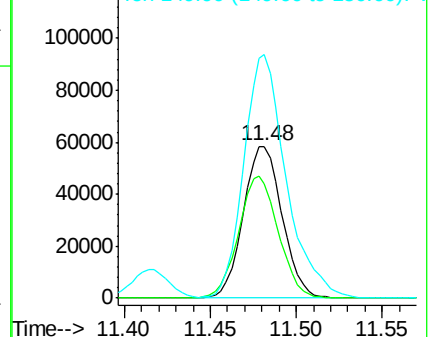
152 100

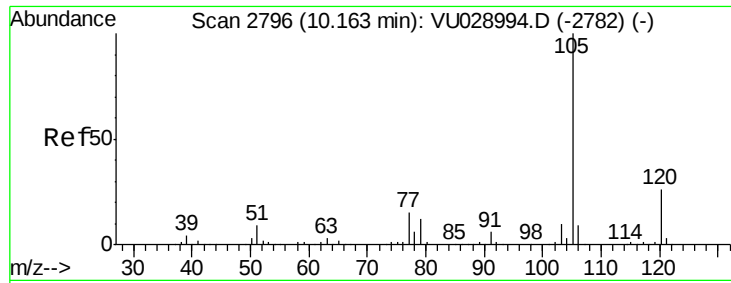
115 82.4 40.1 120.3

150 176.0 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.338 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

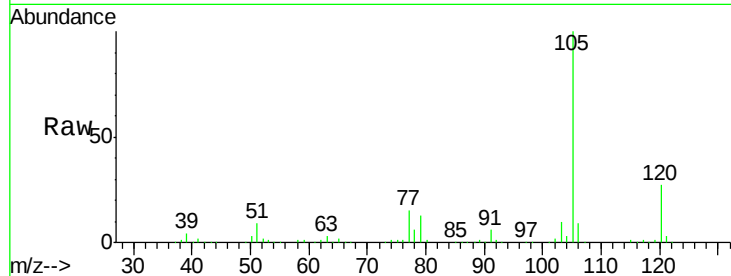
VSTDCCC050

Tot Ion:105 Resp: 340485

Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

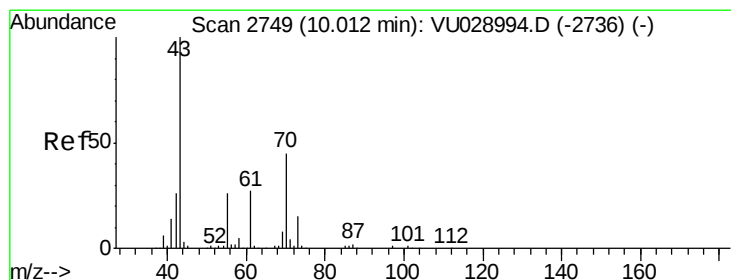
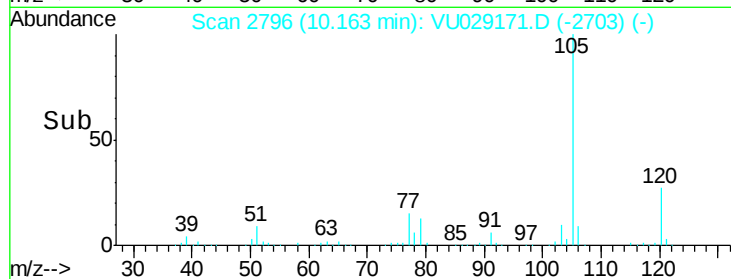
0

10.10

10.20

10.30

Time-->



#74

N-ethyl acetate

Concen: 49.869 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

Tgt Ion: 43 Resp: 145354

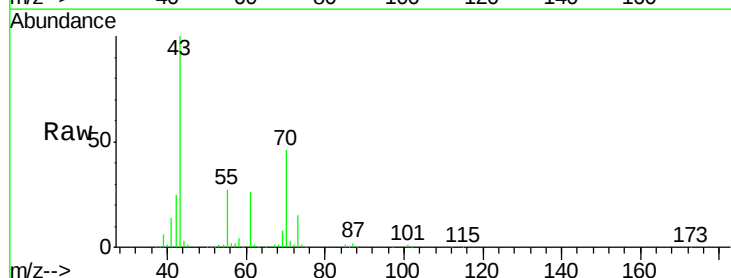
Ion Ratio Lower Upper

43 100

70 45.3 36.3 54.5

55 26.3 20.5 30.7

61 25.9 21.8 32.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

150000

100000

50000

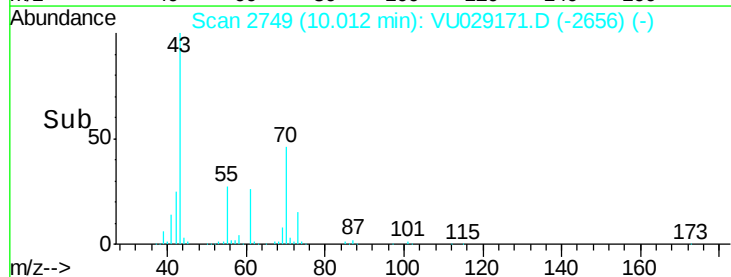
0

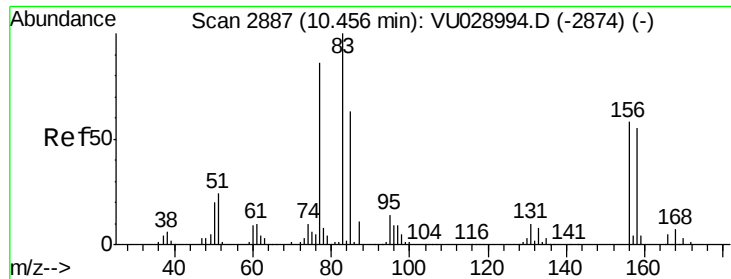
9.90

10.00

10.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.795 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

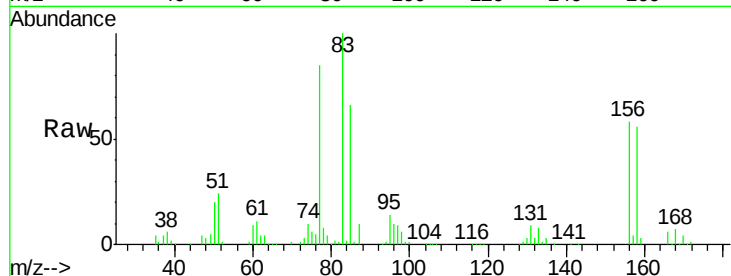
Tot Ion: 83 Resp: 132278

Ion Ratio Lower Upper

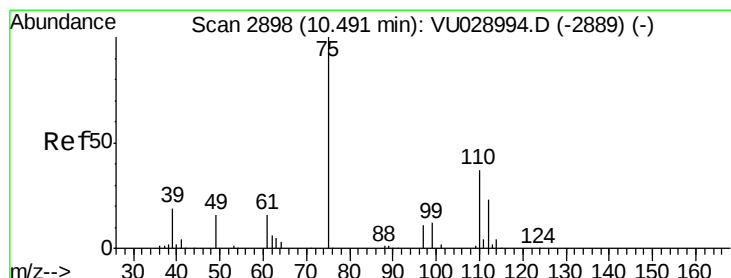
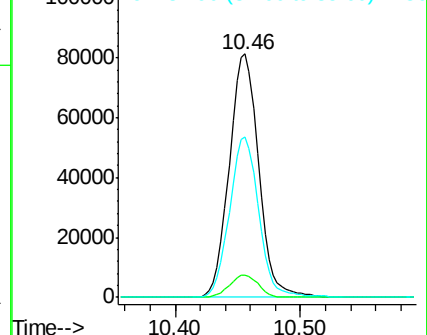
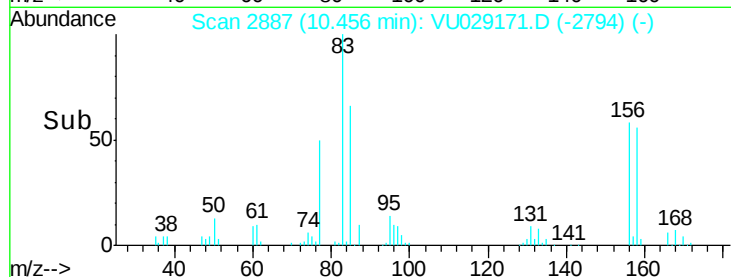
83 100

131 8.9 4.7 14.1

85 65.5 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VU029171.D (-2794) (-)



#76

1,2,3-Trichloropropane

Concen: 68.390 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU029171.D

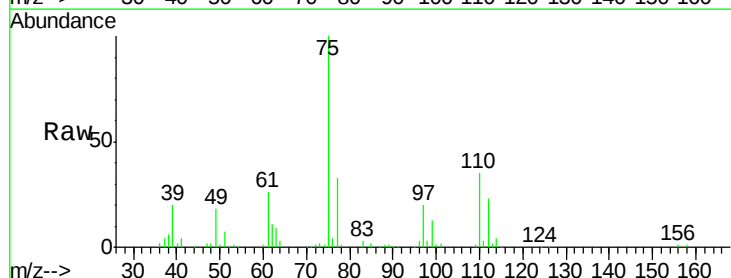
Acq: 15 Jan 2019 09:17

Tgt Ion: 75 Resp: 153128

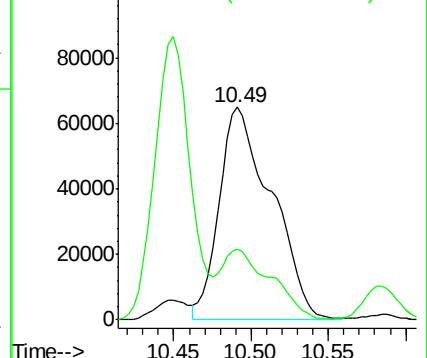
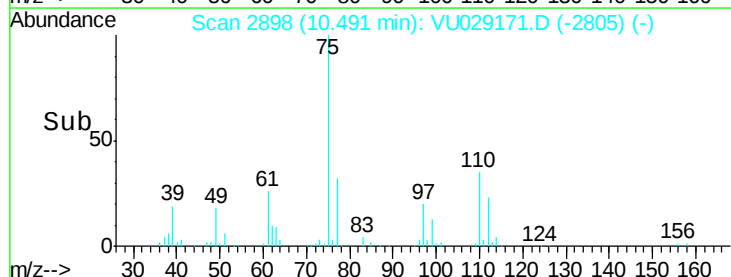
Ion Ratio Lower Upper

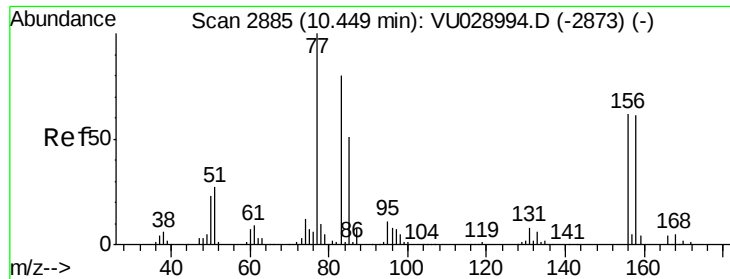
75 100

77 31.8 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU029171.D (-2805) (-)





#77

Bromobenzene

Concen: 50.105 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

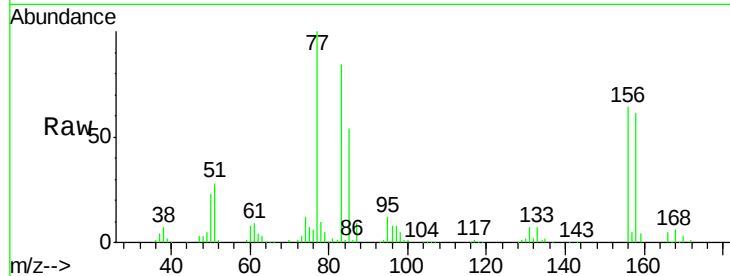
Tot Ion:156 Resp: 88320

Ion Ratio Lower Upper

156 100

77 156.9 79.0 237.2

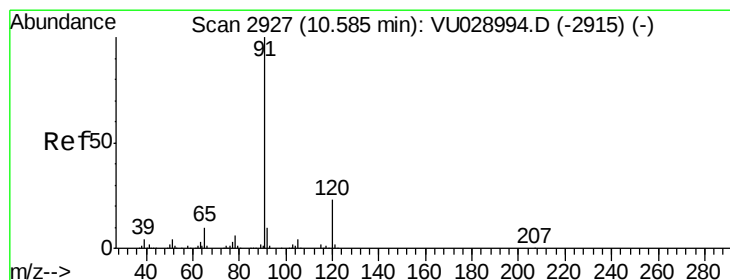
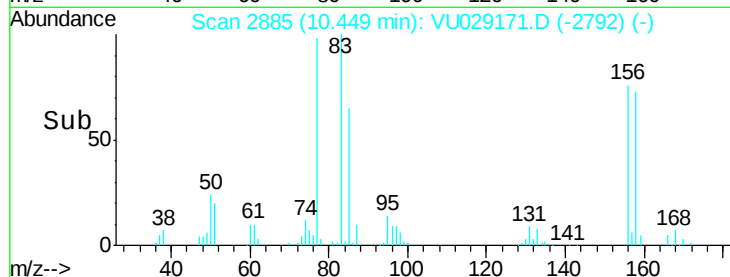
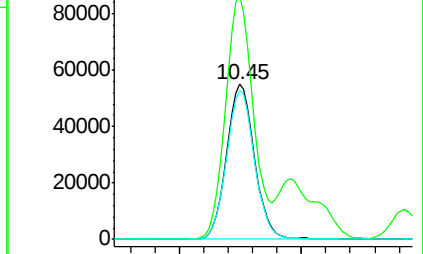
158 96.5 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.483 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU029171.D

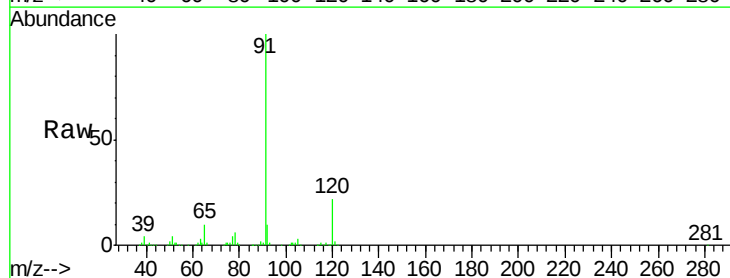
Acq: 15 Jan 2019 09:17

Tgt Ion: 91 Resp: 418355

Ion Ratio Lower Upper

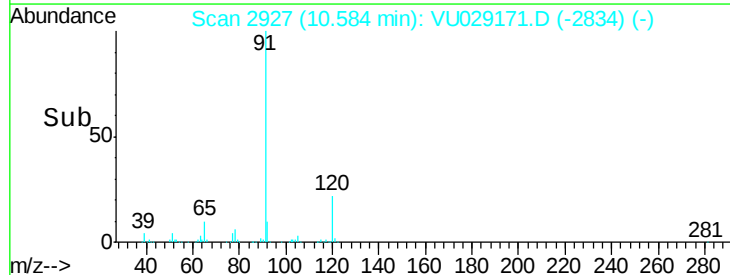
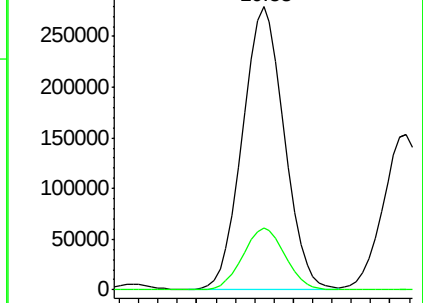
91 100

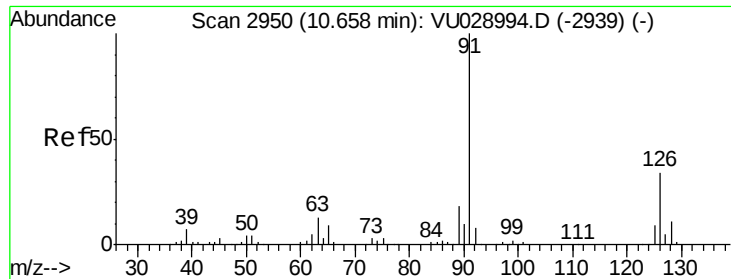
120 22.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.048 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

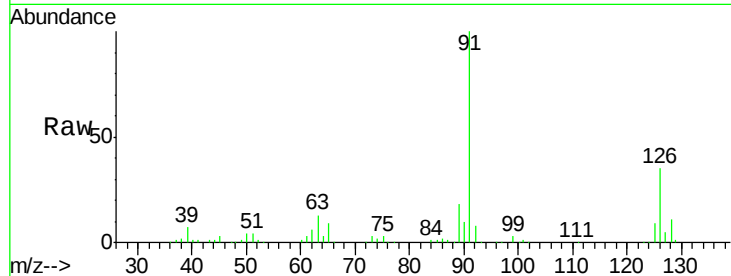
VSTDCCC050

Tot Ion: 91 Resp: 237169

Ion Ratio Lower Upper

91 100

126 34.9 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VU028994.D (-2939) (-)

Ion 125.90 (125.60 to 126.60): VU028994.D (-2939) (-)

300000

250000

200000

150000

100000

50000

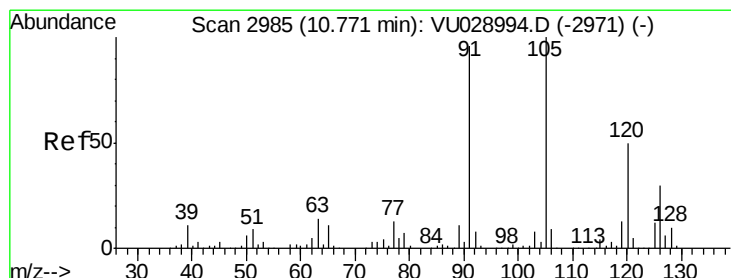
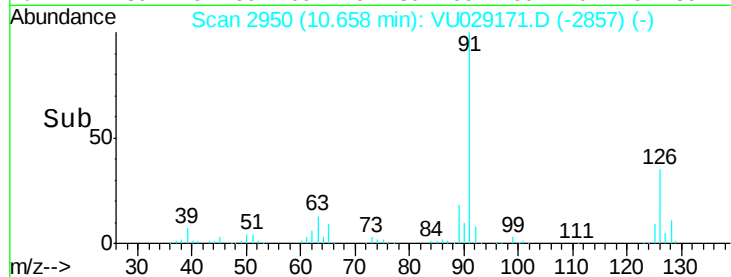
0

10.60

10.65

10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.261 ug/l

RT: 10.77 min Scan# 2984

Delta R.T. -0.00 min

Lab File: VU029171.D

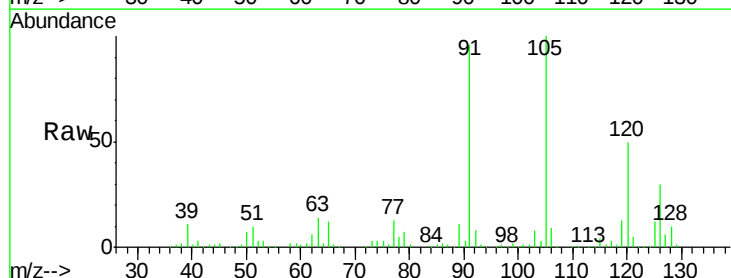
Acq: 15 Jan 2019 09:17

Tgt Ion: 105 Resp: 289546

Ion Ratio Lower Upper

105 100

120 49.6 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VU028994.D (-2971) (-)

Ion 120.00 (119.70 to 120.70): VU028994.D (-2971) (-)

200000

150000

100000

50000

0

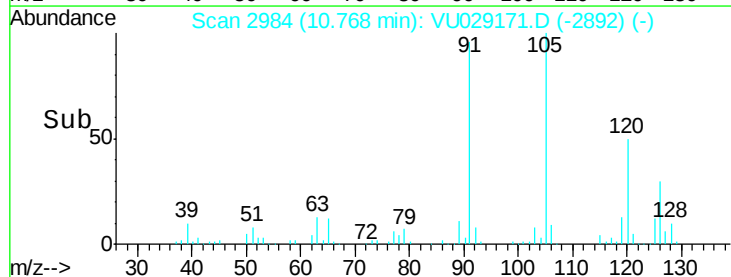
10.70

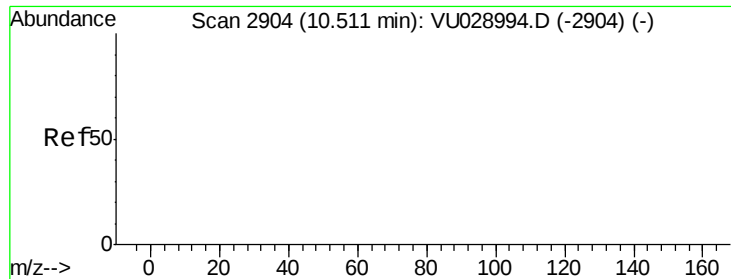
10.75

10.80

10.85

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 176.380 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

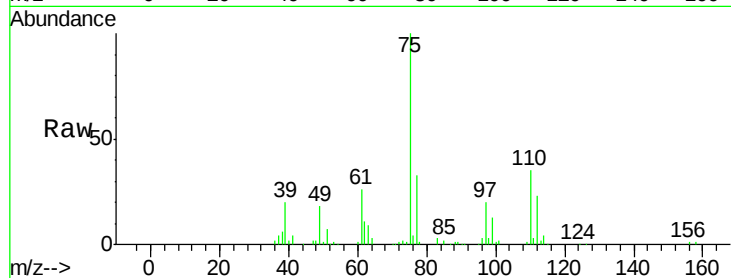
Tot Ion: 75 Resp: 153128

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

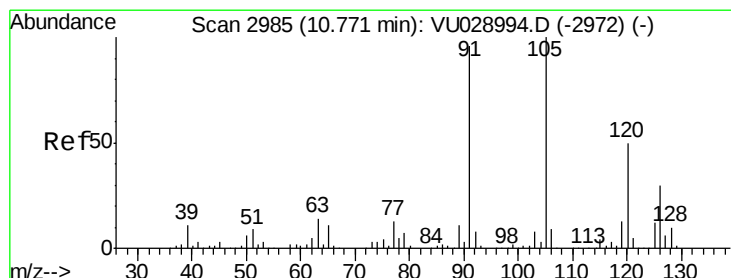
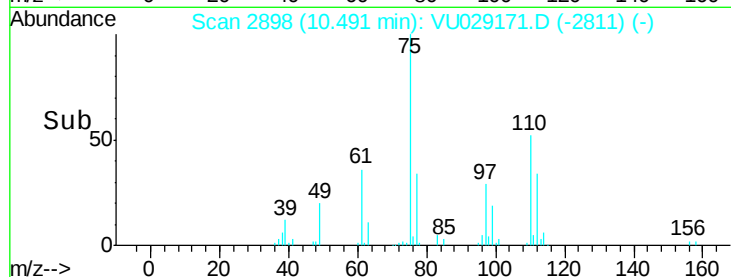
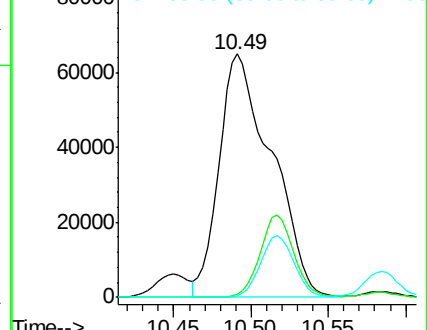
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 50.045 ug/l

RT: 10.77 min Scan# 2984

Delta R.T. -0.00 min

Lab File: VU029171.D

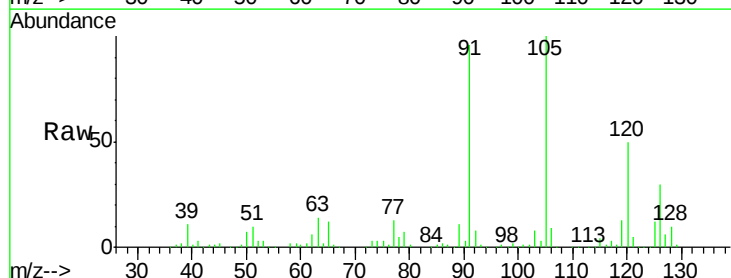
Acq: 15 Jan 2019 09:17

Tgt Ion: 91 Resp: 277485

Ion Ratio Lower Upper

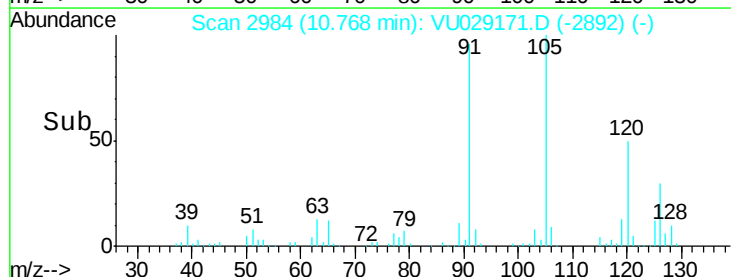
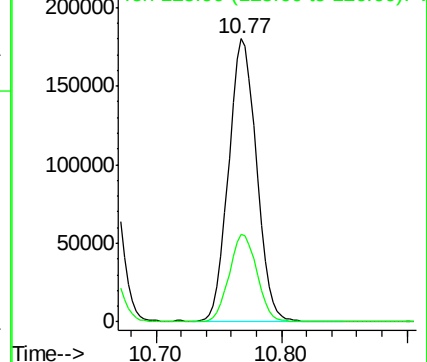
91 100

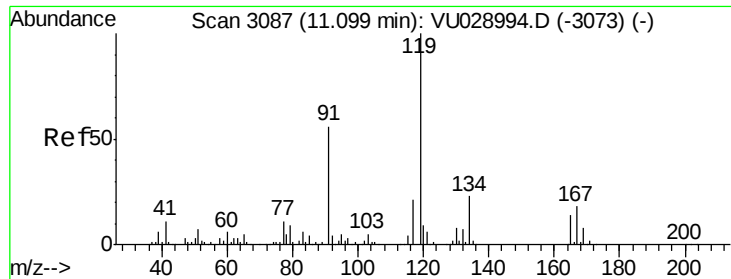
126 31.0 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

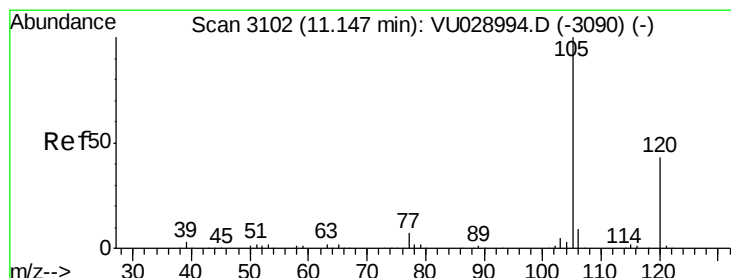
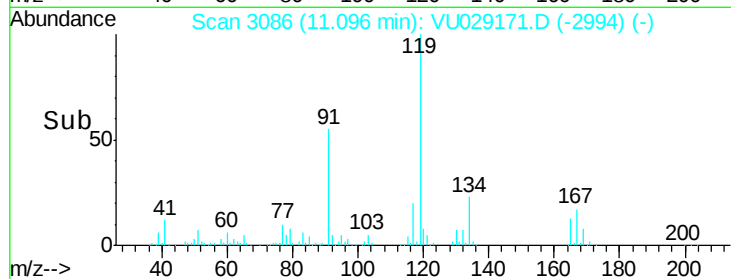
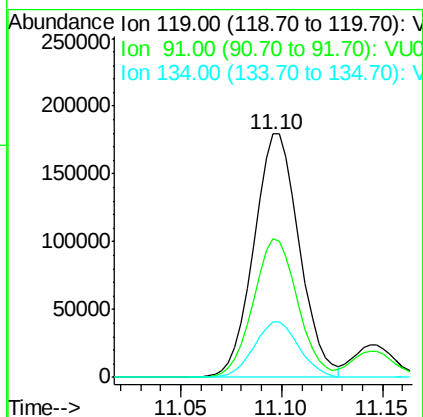
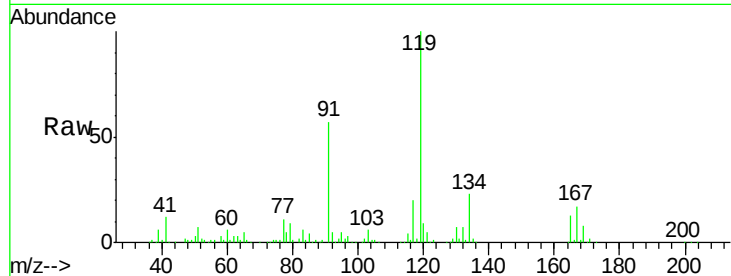




#83
 tert-Butylbenzene
 Concen: 50.734 ug/l
 RT: 11.10 min Scan# 3086
 Delta R.T. -0.00 min
 Lab File: VU029171.D
 Acq: 15 Jan 2019 09:17

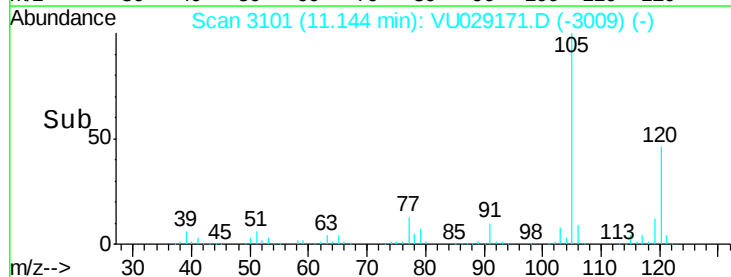
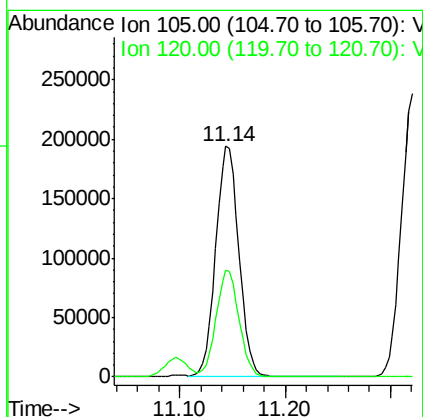
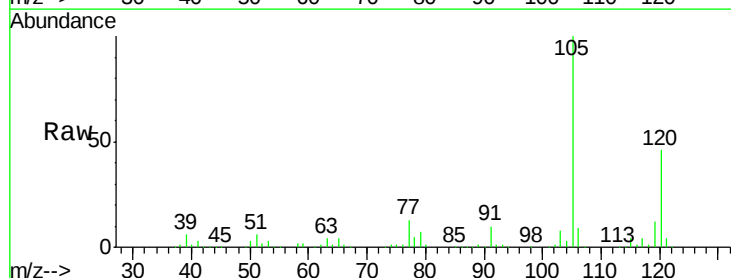
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

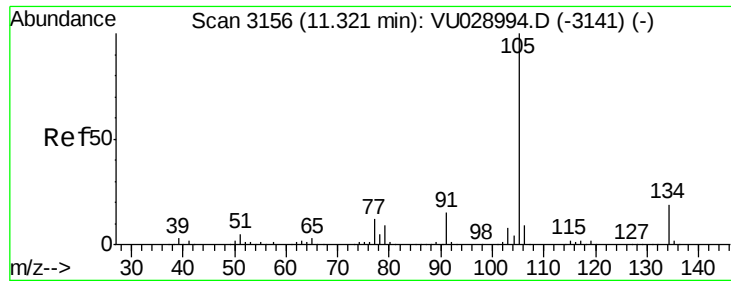
Tot Ion:119 Resp: 282451
 Ion Ratio Lower Upper
 119 100
 91 55.9 28.2 84.6
 134 22.6 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 52.302 ug/l
 RT: 11.14 min Scan# 3101
 Delta R.T. -0.00 min
 Lab File: VU029171.D
 Acq: 15 Jan 2019 09:17

Tgt Ion:105 Resp: 294955
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.1 69.3





#85

sec-Butylbenzene

Concen: 52.975 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

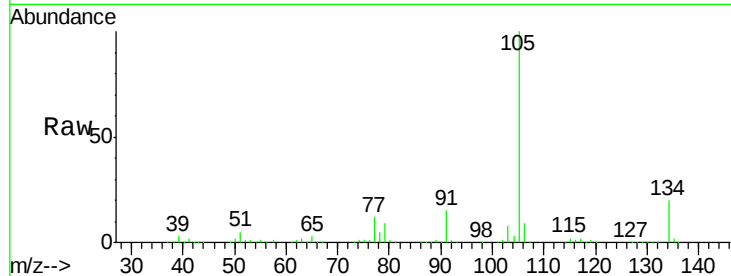
VSTDCCC050

Tot Ion:105 Resp: 356686

Ion Ratio Lower Upper

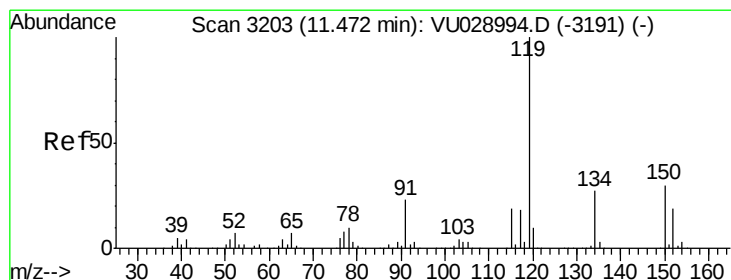
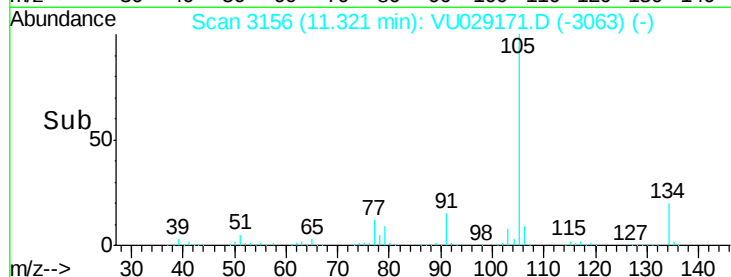
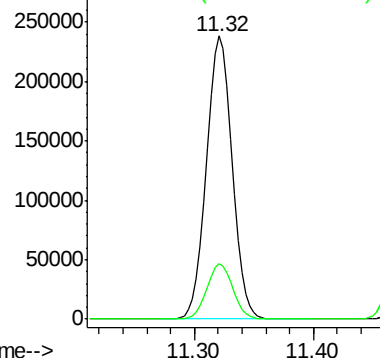
105 100

134 19.6 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.653 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

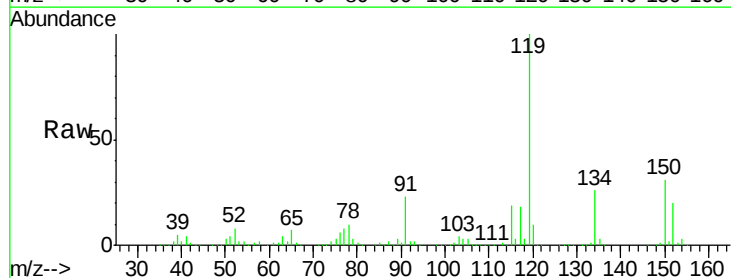
Tgt Ion:119 Resp: 307832

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

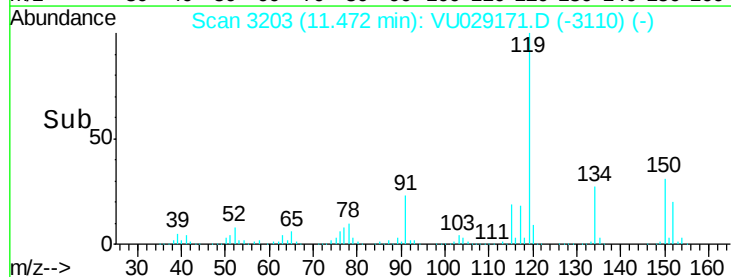
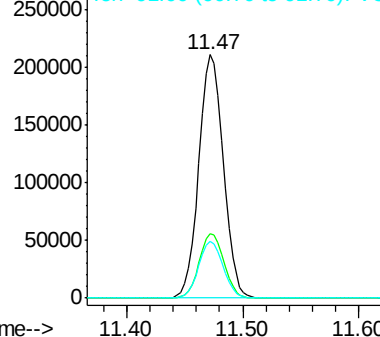
91 23.3 11.3 33.8

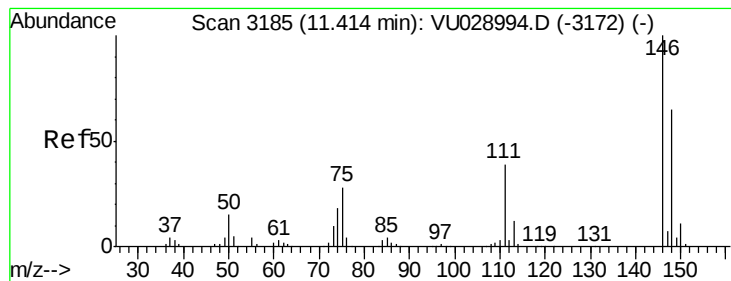


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#87

1,3-Dichlorobenzene

Concen: 49.638 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

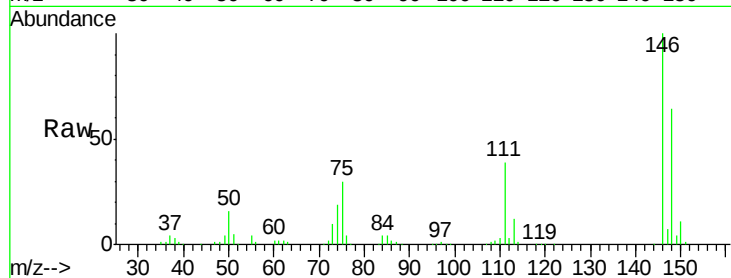
Tot Ion:146 Resp: 160488

Ion Ratio Lower Upper

146 100

111 38.7 19.3 57.8

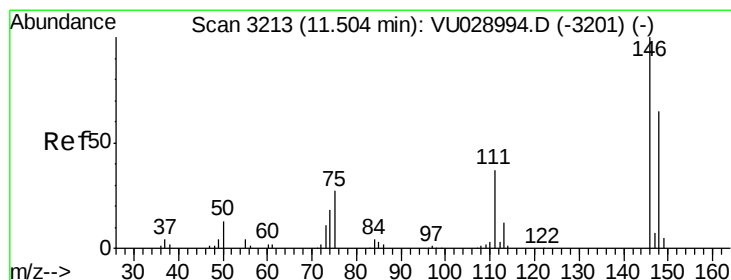
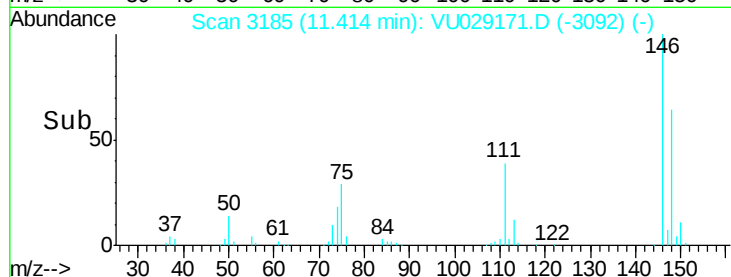
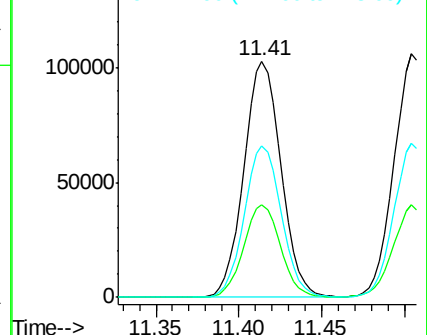
148 64.1 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.098 ug/l

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

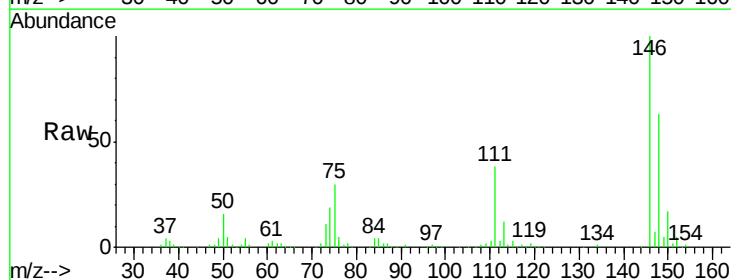
Tgt Ion:146 Resp: 163860

Ion Ratio Lower Upper

146 100

111 37.7 19.1 57.3

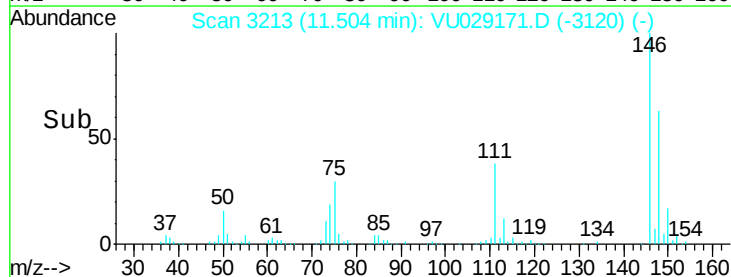
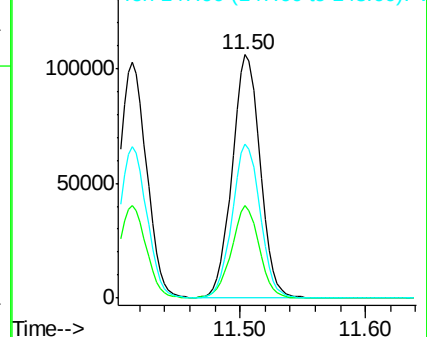
148 63.4 32.6 98.0

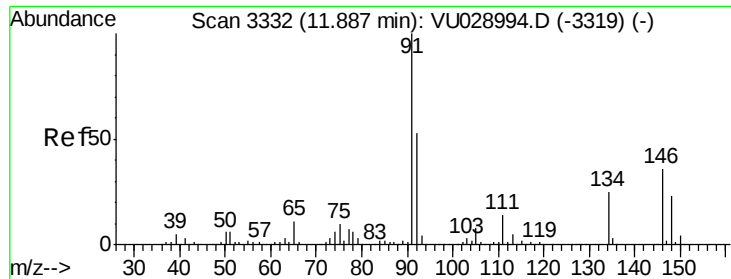


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

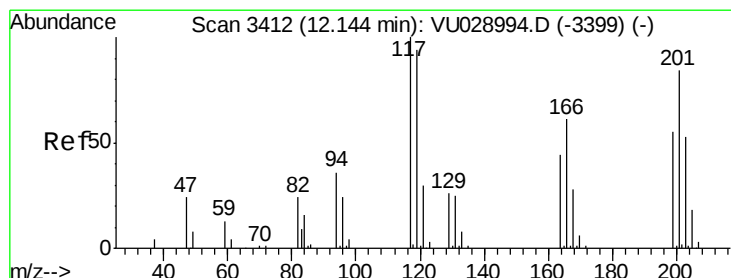
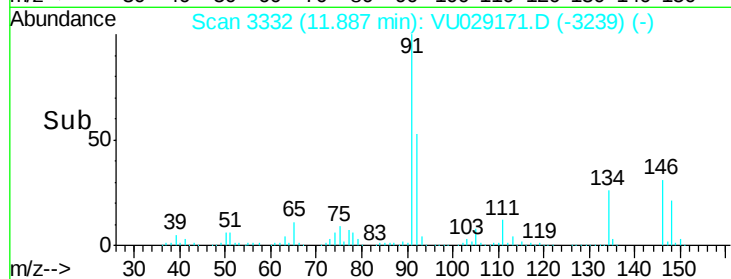
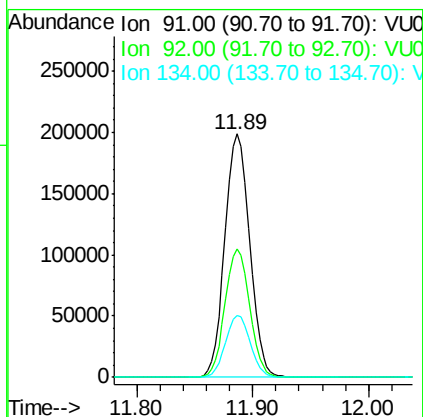
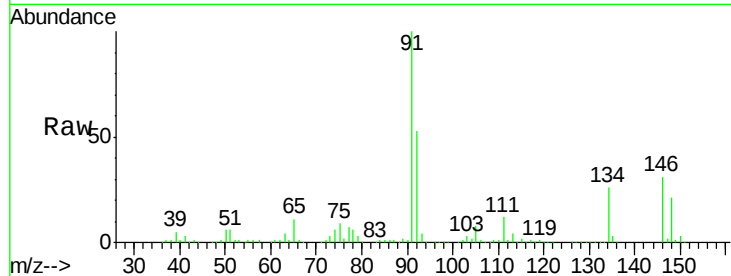




#89
n-Butylbenzene
Concen: 57.517 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU029171.D
Acq: 15 Jan 2019 09:17

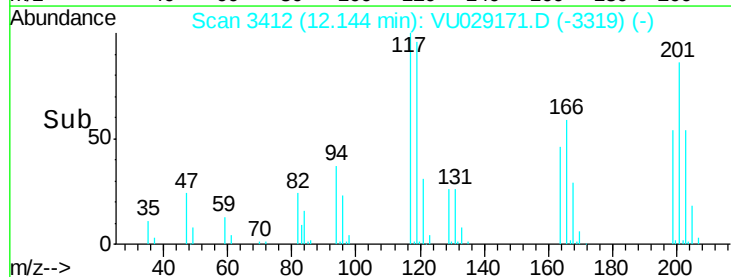
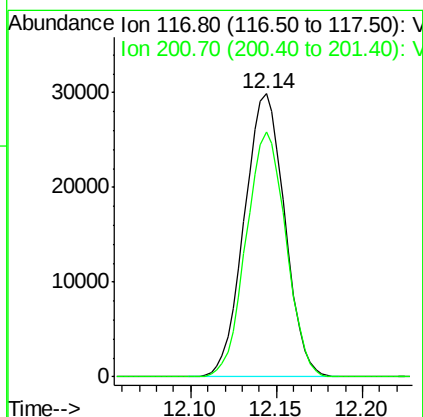
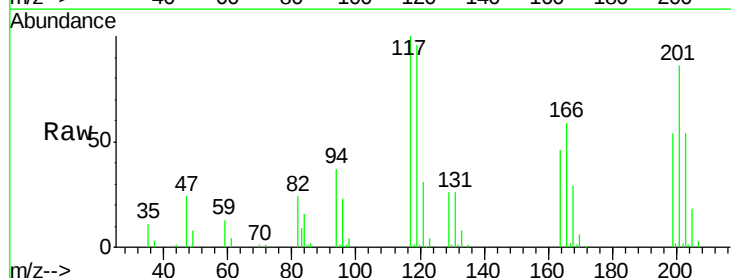
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

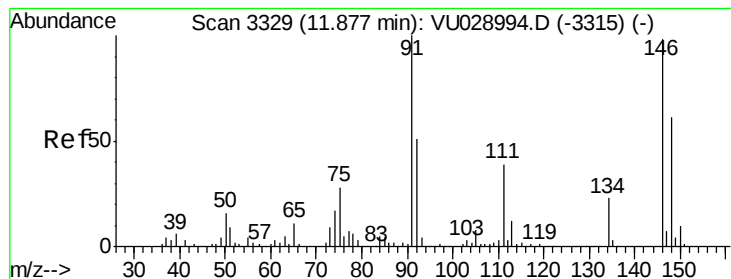
Tot Ion: 91 Resp: 294534
Ion Ratio Lower Upper
91 100
92 52.4 26.2 78.5
134 25.2 12.6 37.6



#90
Hexachloroethane
Concen: 50.671 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU029171.D
Acq: 15 Jan 2019 09:17

Tgt Ion: 117 Resp: 48907
Ion Ratio Lower Upper
117 100
201 85.0 42.4 127.3





#91

1,2-Dichlorobenzene

Concen: 48.874 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

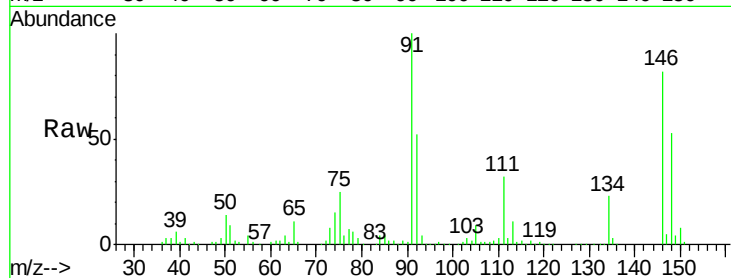
Tot Ion:146 Resp: 159160

Ion Ratio Lower Upper

146 100

111 40.1 20.0 59.9

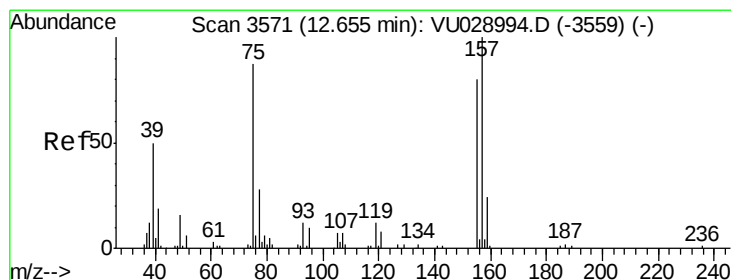
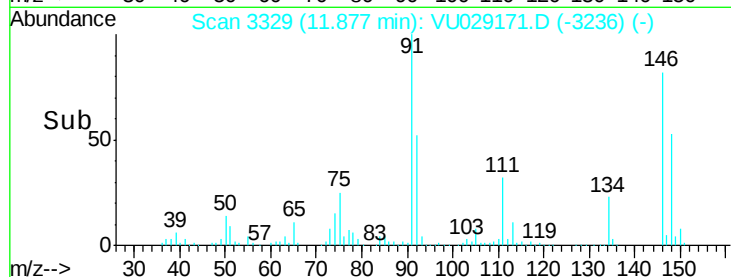
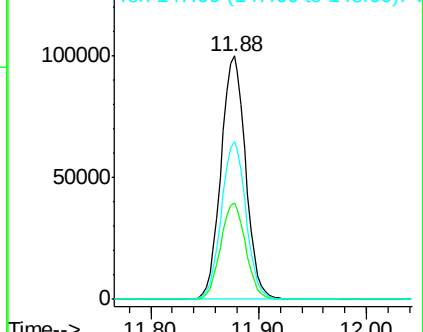
148 64.7 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.494 ug/l

RT: 12.65 min Scan# 3570

Delta R.T. -0.00 min

Lab File: VU029171.D

Acq: 15 Jan 2019 09:17

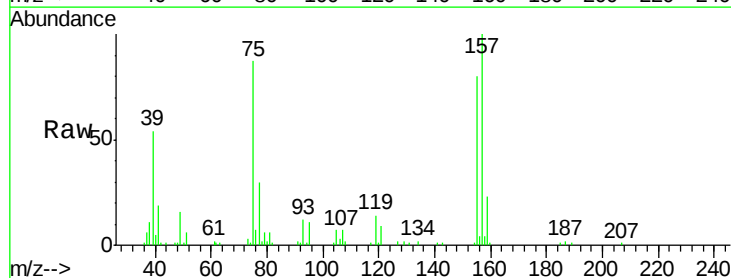
Tgt Ion: 75 Resp: 26849

Ion Ratio Lower Upper

75 100

155 92.8 46.3 138.8

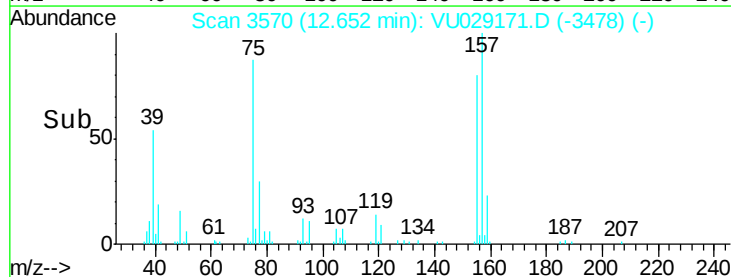
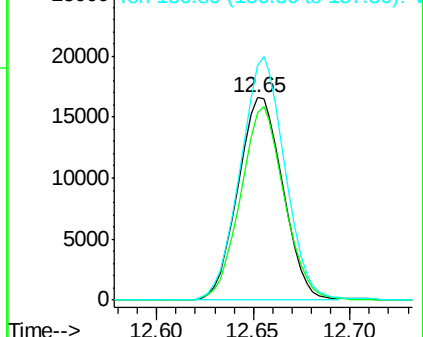
157 119.4 57.4 172.0

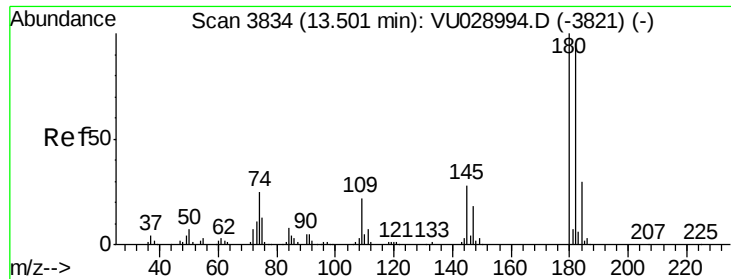


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

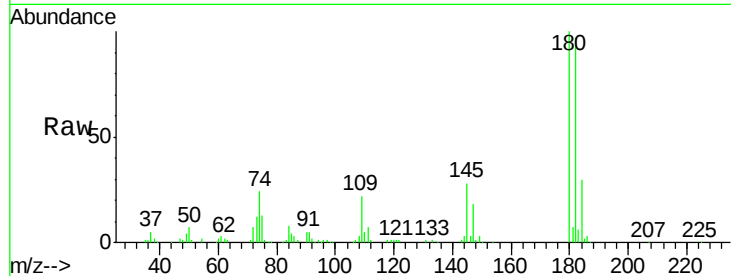




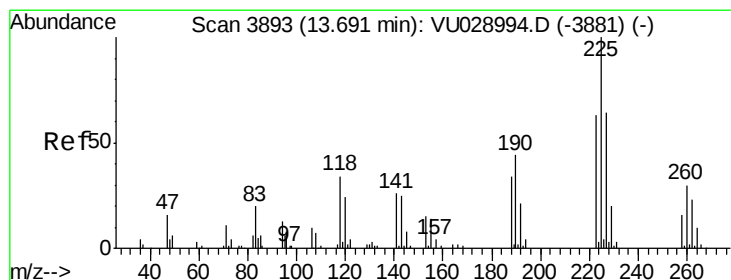
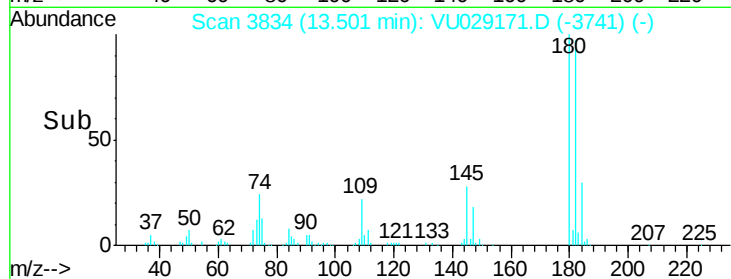
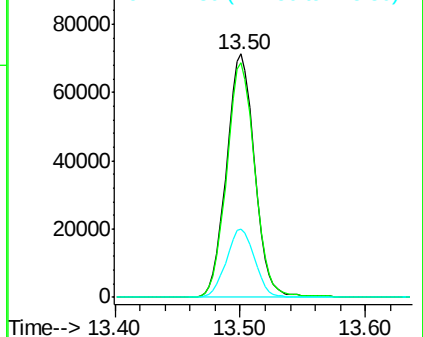
#93
 1,2,4-Trichlorobenzene
 Concen: 53.329 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU029171.D
 Acq: 15 Jan 2019 09:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 110861
 Ion Ratio Lower Upper
 180 100
 182 96.9 47.5 142.6
 145 28.3 14.0 42.0

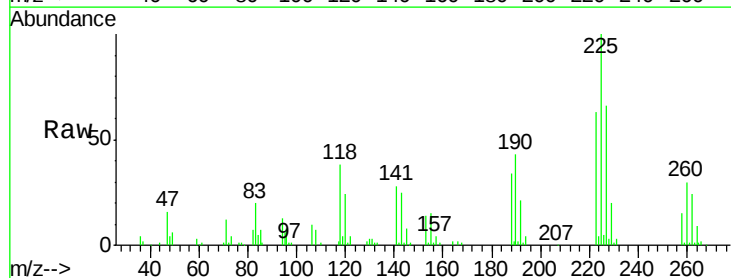


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

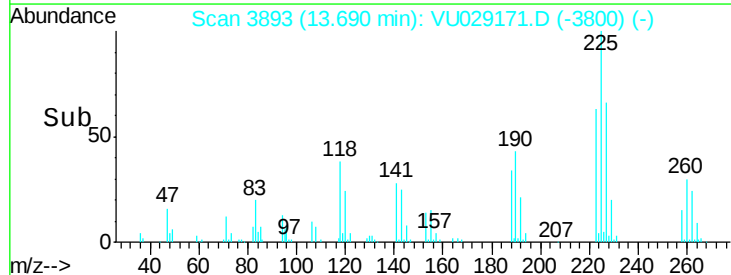
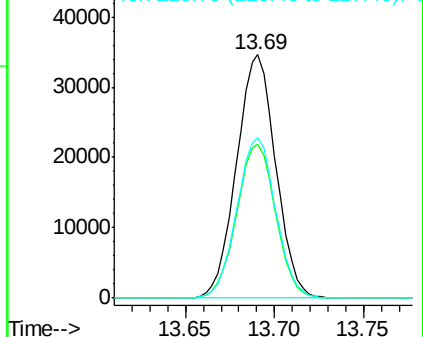


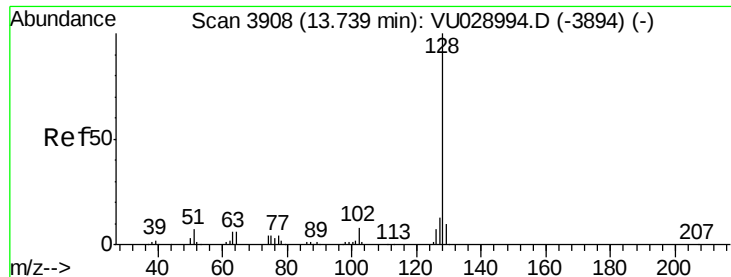
#94
 Hexachlorobutadiene
 Concen: 55.997 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU029171.D
 Acq: 15 Jan 2019 09:17

Tgt Ion:225 Resp: 53244
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.4 94.0
 227 65.1 31.9 95.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

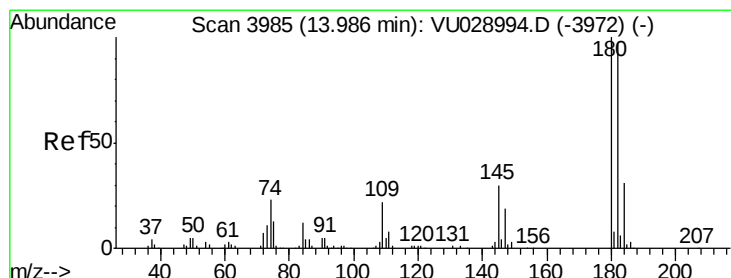
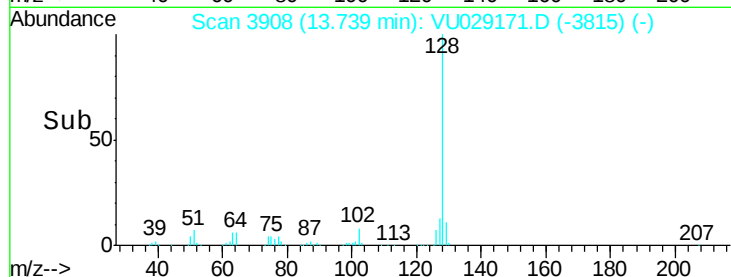
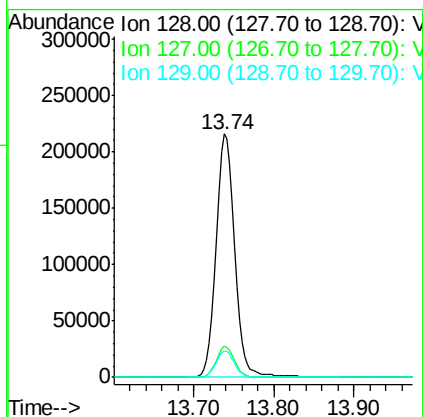
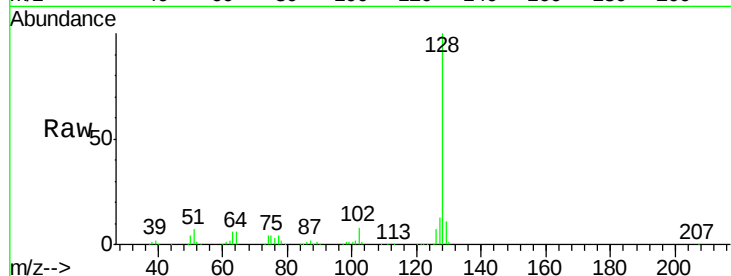




#95
Naphthalene
Concen: 49.788 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU029171.D
Acq: 15 Jan 2019 09:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 352088
Ion Ratio Lower Upper
128 100
127 12.4 10.1 15.1
129 10.6 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 51.595 ug/l
RT: 13.98 min Scan# 3984
Delta R.T. -0.00 min
Lab File: VU029171.D
Acq: 15 Jan 2019 09:17

Tgt Ion:180 Resp: 110470
Ion Ratio Lower Upper
180 100
182 96.9 48.1 144.3
145 29.4 14.8 44.4

