

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011619\
 Data File : VU029195.D
 Acq On : 16 Jan 2019 09:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 17 00:55:05 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	115210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	177986	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	172202	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	92013	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	72952	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
35) Dibromofluoromethane	4.88	113	63147	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	
50) Toluene-d8	7.56	98	242622	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
62) 4-Bromofluorobenzene	10.30	95	88469	54.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	52181	45.671	ug/l	99
3) Chloromethane	1.33	50	75158	41.089	ug/l	100
4) Vinyl Chloride	1.40	62	77080	45.779	ug/l	99
5) Bromomethane	1.61	94	41980	48.398	ug/l	98
6) Chloroethane	1.68	64	45322	45.191	ug/l	100
7) Trichlorofluoromethane	1.88	101	86617	47.210	ug/l	100
8) Diethyl Ether	2.10	74	41040	46.560	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.28	101	58438	47.604	ug/l	98
10) Methyl Iodide	2.41	142	59394	51.456	ug/l	99
11) Tert butyl alcohol	2.83	59	87831	242.616	ug/l	99
12) 1,1-Dichloroethene	2.28	96	54166	45.331	ug/l	95
13) Acrolein	2.19	56	60281	221.756	ug/l	99
14) Allyl chloride	2.59	41	97681	44.554	ug/l	90
15) Acrylonitrile	2.93	53	223528	251.678	ug/l	99
16) Acetone	2.32	43	254340	283.481	ug/l	97
17) Carbon Disulfide	2.47	76	174223	43.964	ug/l	99
18) Methyl Acetate	2.61	43	113563	54.437	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	206569	49.172	ug/l	97
20) Methylene Chloride	2.70	84	72358	47.501	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	64419	46.403	ug/l	96
22) Diisopropyl ether	3.57	45	221875	51.205	ug/l	98
23) Vinyl Acetate	3.52	43	900998	254.355	ug/l	99
24) 1,1-Dichloroethane	3.44	63	126831	50.705	ug/l	100
25) 2-Butanone	4.26	43	329028	271.519	ug/l	98
26) 2,2-Dichloropropane	4.22	77	102638	50.782	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	76159	50.159	ug/l	99
28) Bromochloromethane	4.54	49	55836	52.131	ug/l	97
29) Tetrahydrofuran	4.63	42	184074	250.448	ug/l	99
30) Chloroform	4.67	83	122782	51.535	ug/l	98
31) Cyclohexane	4.99	56	111355	47.095	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	98218	49.892	ug/l	98
36) 1,1-Dichloropropene	5.13	75	92557	52.026	ug/l	98
37) Ethyl Acetate	4.38	43	104889	53.712	ug/l	99
38) Carbon Tetrachloride	5.13	117	80734	54.410	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	111772	51.105	ug/l	98
40) Benzene	5.39	78	285401	51.430	ug/l	98
41) Methacrylonitrile	4.54	41	58188	55.666	ug/l	99
42) 1,2-Dichloroethane	5.40	62	91286	54.743	ug/l	100
43) Isopropyl Acetate	5.54	43	162339	54.193	ug/l	99
44) Trichloroethene	6.18	130	68801	50.038	ug/l	100
45) 1,2-Dichloropropane	6.43	63	79229	54.064	ug/l	99
46) Dibromomethane	6.56	93	50586	53.998	ug/l	98
47) Bromodichloromethane	6.75	83	96547	55.975	ug/l	99
48) Methyl methacrylate	6.62	41	81347	55.770	ug/l	99
49) 1,4-Dioxane	6.61	88	41380	1197.091	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	560152	274.764	ug/l	99
52) Toluene	7.63	92	177257	52.469	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	110152	53.162	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	121336	54.194	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	73421	54.250	ug/l	98
56) Ethyl methacrylate	8.02	69	112167	53.796	ug/l	97
57) 1,3-Dichloropropane	8.24	76	125845	54.342	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	240514	262.293	ug/l	99
59) 2-Hexanone	8.36	43	455486	284.629	ug/l	99
60) Dibromochloromethane	8.47	129	73154	54.559	ug/l	97
61) 1,2-Dibromoethane	8.58	107	77398	52.730	ug/l	99
64) Tetrachloroethene	8.22	164	62760	50.594	ug/l	97
65) Chlorobenzene	9.12	112	194391	50.361	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	67433	53.832	ug/l	100
67) Ethyl Benzene	9.25	91	336160	52.163	ug/l	99
68) m/p-Xylenes	9.37	106	260939	104.210	ug/l	99
69) o-Xylene	9.78	106	125643	52.076	ug/l	99
70) Styrene	9.79	104	211875	53.569	ug/l	99
71) Bromoform	9.96	173	58908	52.815	ug/l #	96
73) Isopropylbenzene	10.16	105	331063	48.610	ug/l	99
74) N-amyl acetate	10.01	43	144136	49.113	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	131764	48.273	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	151520	67.209	ug/l	84
77) Bromobenzene	10.45	156	84286	47.490	ug/l	98
78) n-propylbenzene	10.58	91	405244	50.491	ug/l	99
79) 2-Chlorotoluene	10.66	91	234205	48.104	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	284266	49.982	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	151520	173.335	ug/l #	100
82) 4-Chlorotoluene	10.77	91	275385	49.327	ug/l	100
83) tert-Butylbenzene	11.10	119	275018	49.061	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	288151	50.746	ug/l	100
85) sec-Butylbenzene	11.32	105	347995	51.331	ug/l	100
86) p-Isopropyltoluene	11.47	119	303305	52.503	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	157741	48.455	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	158318	47.114	ug/l	99
89) n-Butylbenzene	11.89	91	292619	56.752	ug/l	100
90) Hexachloroethane	12.14	117	49290	50.718	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	155959	47.563	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.65	75	26324	50.141	ug/l	98

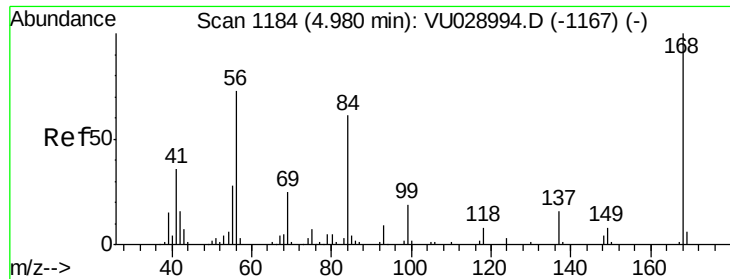
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Quant Title : SW846 8260
QLast Update : Sat Jan 12 01:33:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	108156	51.672	ug/l	99
94) Hexachlorobutadiene	13.69	225	53688	56.078	ug/l	99
95) Naphthalene	13.74	128	339254	47.645	ug/l	100
96) 1,2,3-Trichlorobenzene	13.98	180	108361	50.284	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

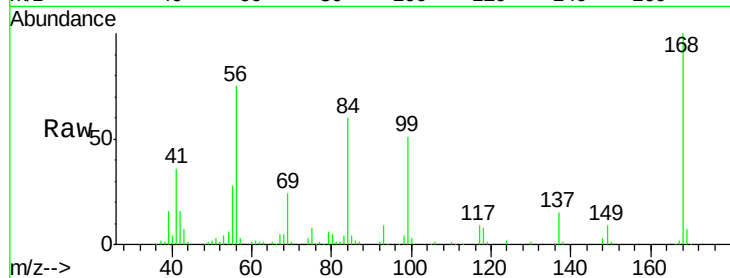
VSTDCCC050

Tot Ion:168 Resp: 115210

Ion Ratio Lower Upper

168 100

99 50.6 42.0 63.0

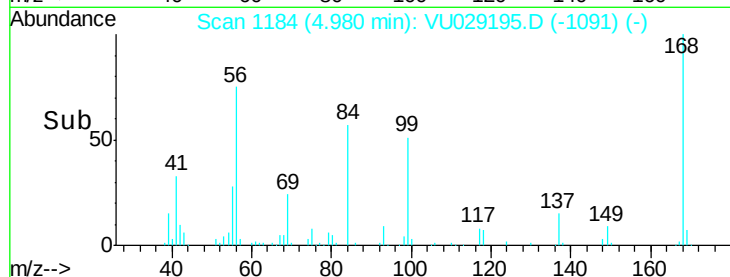


Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

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

4.98

Time-->



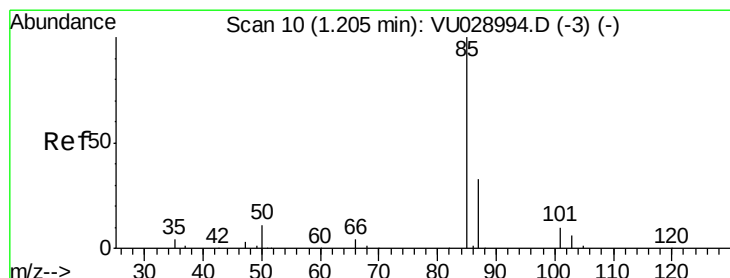
Abundance

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

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

4.98

Time-->



#2

Dichlorodifluoromethane

Concen: 45.671 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029195.D

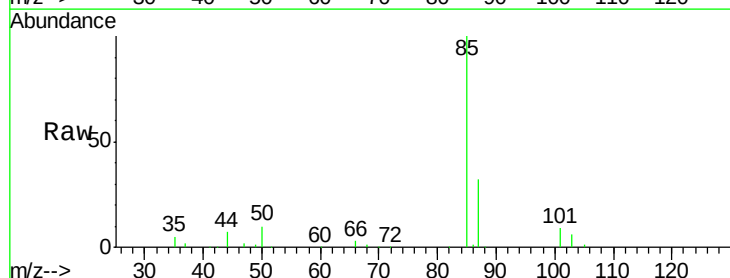
Acq: 16 Jan 2019 09:13

Tgt Ion: 85 Resp: 52181

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.8

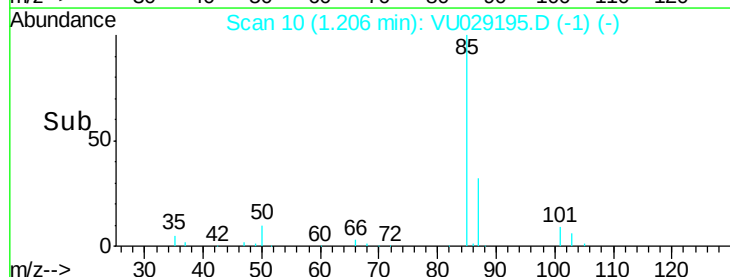


Abundance Ion 84.90 (84.60 to 85.60): VU028994.D (-3) (-)

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

1.21

Time-->



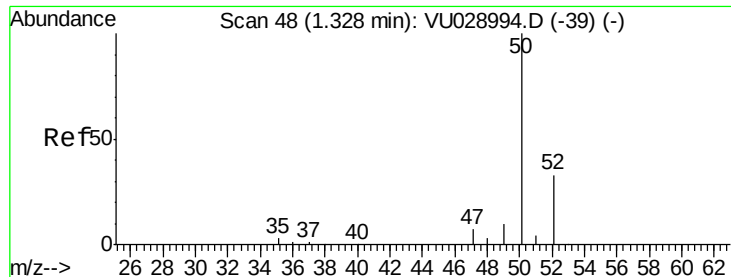
Abundance

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

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

1.21

Time-->



#3

Chloromethane

Concen: 41.089 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

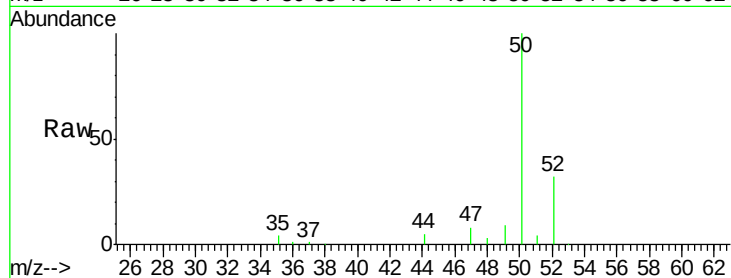
VSTDCCC050

Tot Ion: 50 Resp: 75158

Ion Ratio Lower Upper

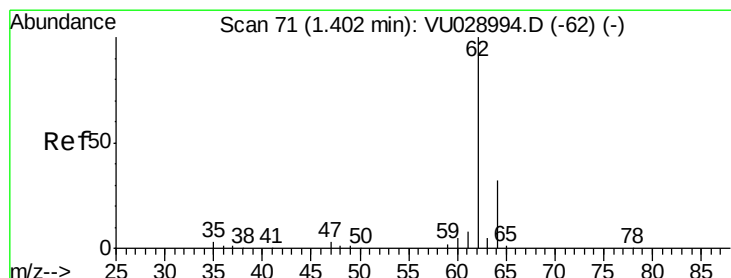
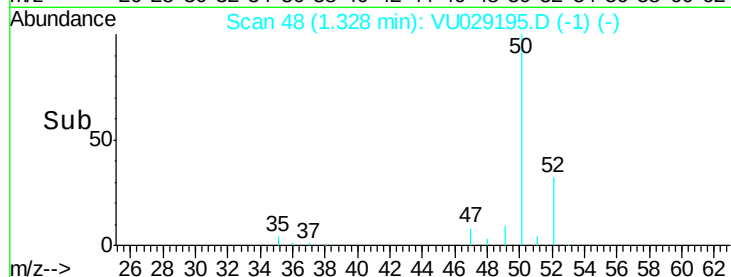
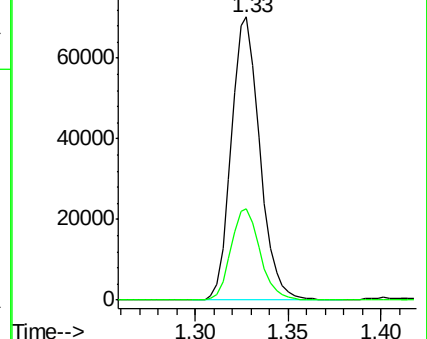
50 100

52 32.5 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: 45.779 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029195.D

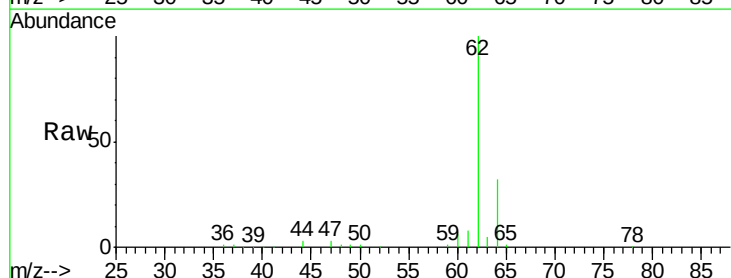
Acq: 16 Jan 2019 09:13

Tgt Ion: 62 Resp: 77080

Ion Ratio Lower Upper

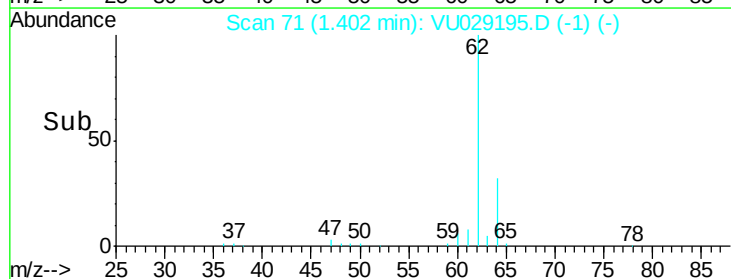
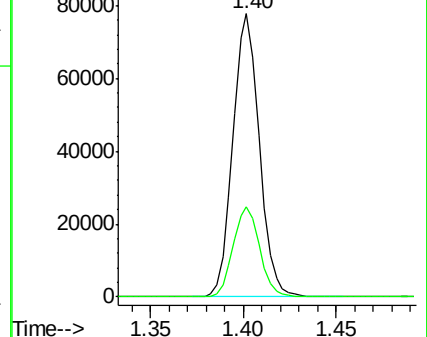
62 100

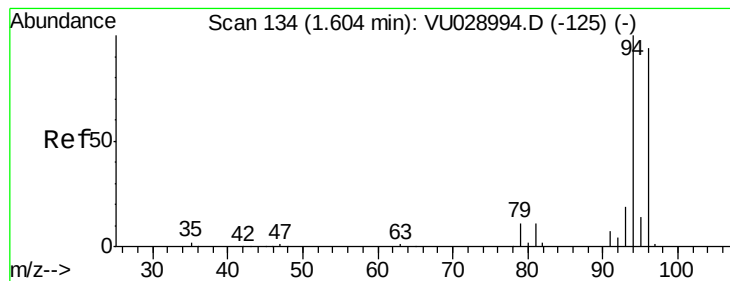
64 31.8 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 48.398 ug/l

RT: 1.61 min Scan# 135

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

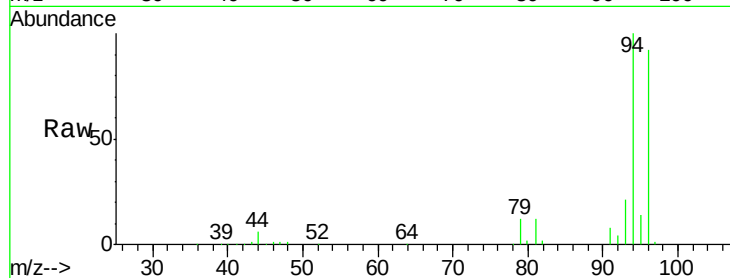
VSTDCCC050

Tot Ion: 94 Resp: 41980

Ion Ratio Lower Upper

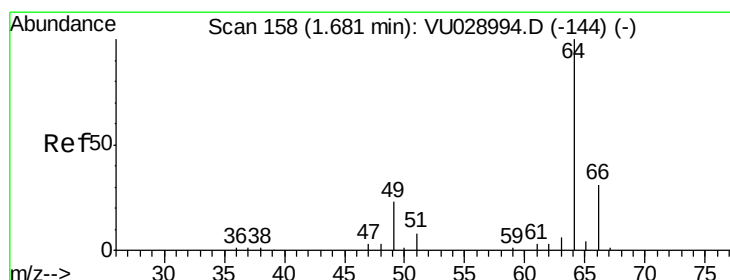
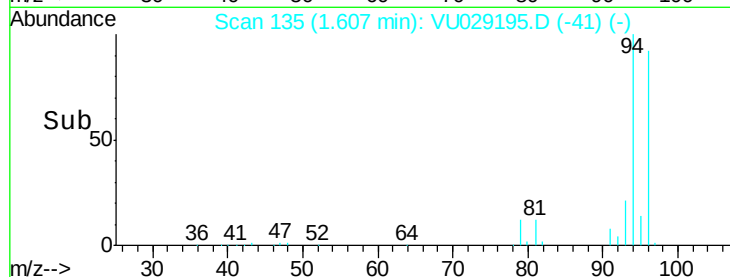
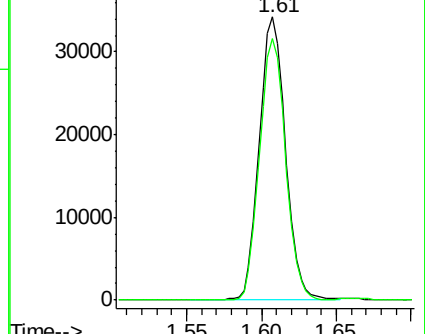
94 100

96 92.4 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 45.191 ug/l

RT: 1.68 min Scan# 159

Delta R.T. 0.00 min

Lab File: VU029195.D

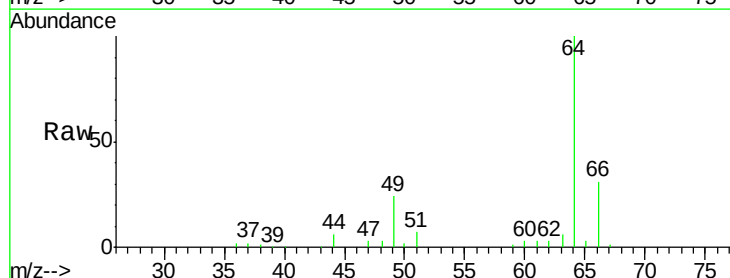
Acq: 16 Jan 2019 09:13

Tgt Ion: 64 Resp: 45322

Ion Ratio Lower Upper

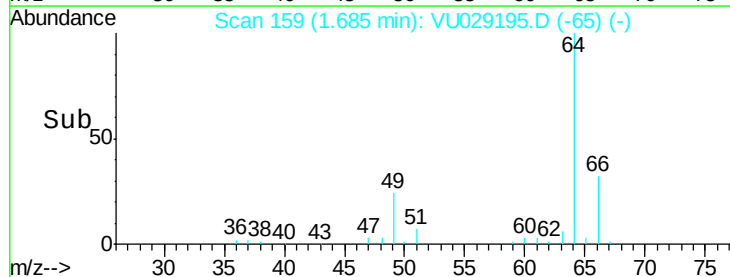
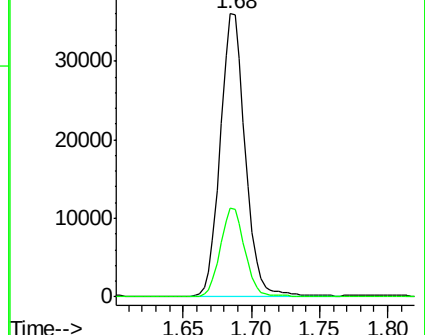
64 100

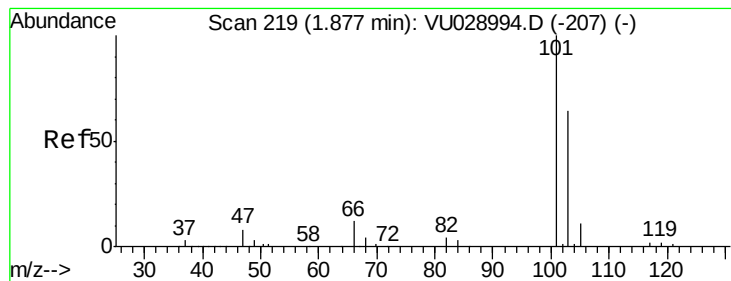
66 31.6 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



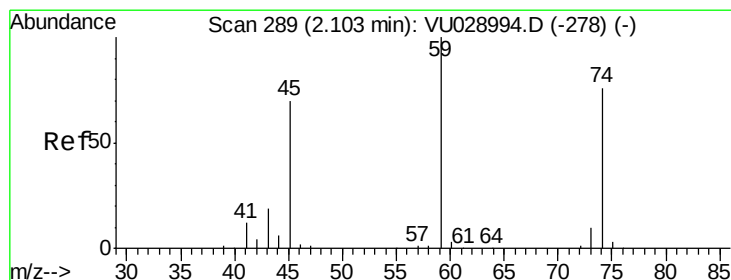
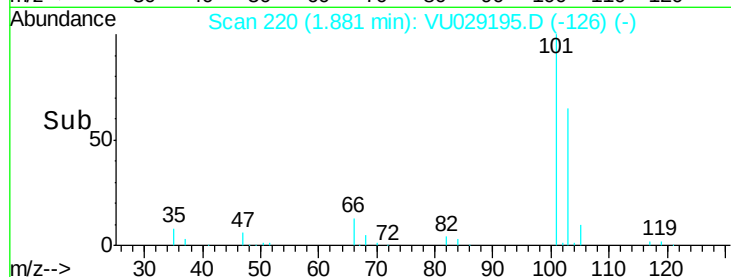
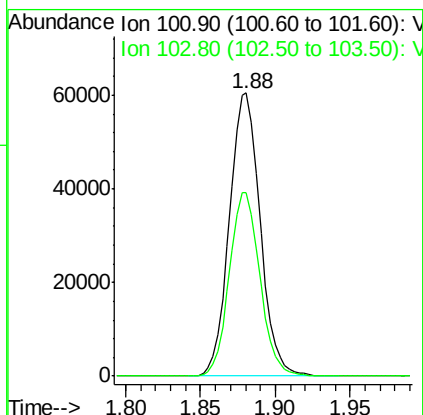
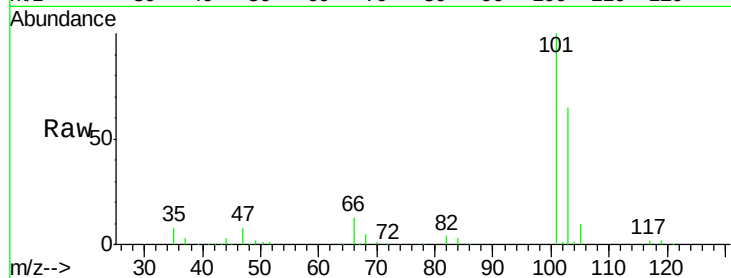


#7

Trichlorofluoromethane
 Concen: 47.210 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VU029195.D
 Acq: 16 Jan 2019 09:13

Instrument :
 MSVOA_U
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 VSTDCCC050

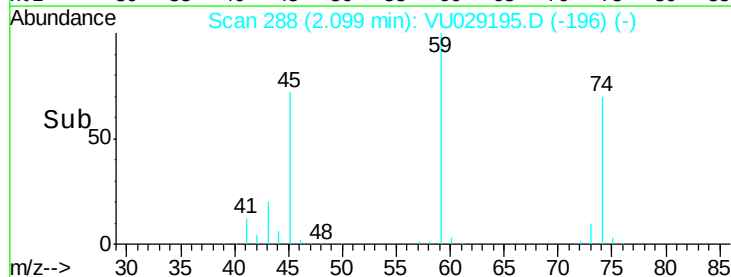
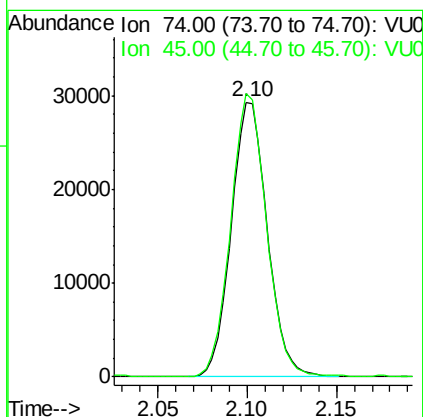
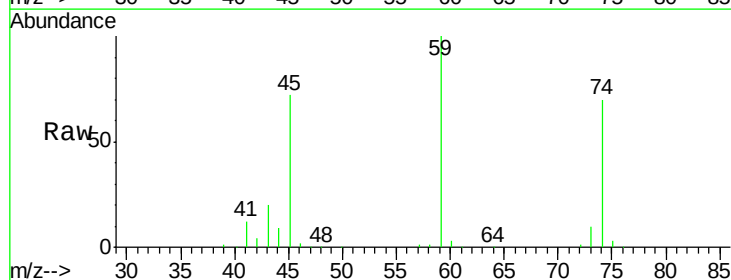
Tot Ion:101 Resp: 86617
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.5 77.3

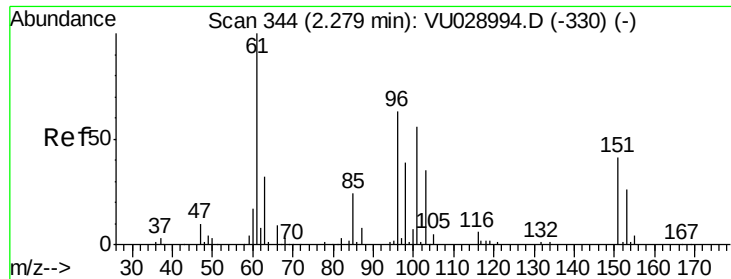


#8

Diethyl Ether
 Concen: 46.560 ug/l
 RT: 2.10 min Scan# 288
 Delta R.T. -0.00 min
 Lab File: VU029195.D
 Acq: 16 Jan 2019 09:13

Tgt Ion: 74 Resp: 41040
 Ion Ratio Lower Upper
 74 100
 45 102.8 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.604 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

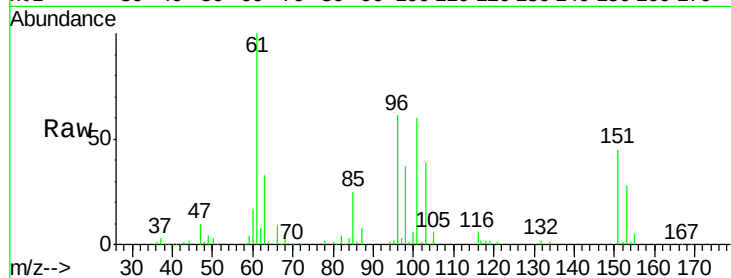
Tot Ion:101 Resp: 58438

Ion Ratio Lower Upper

101 100

85 42.9 35.1 52.7

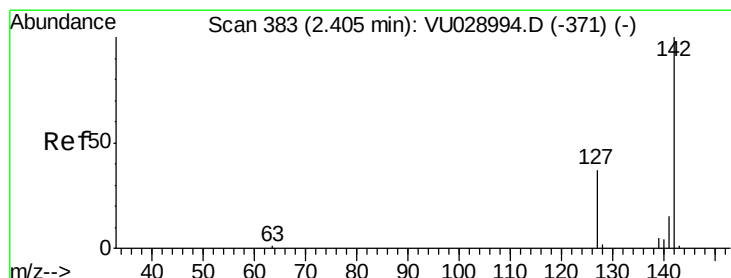
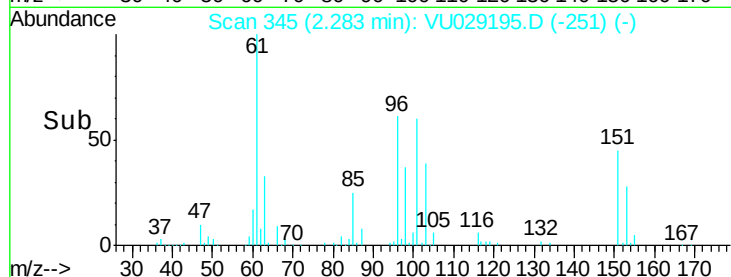
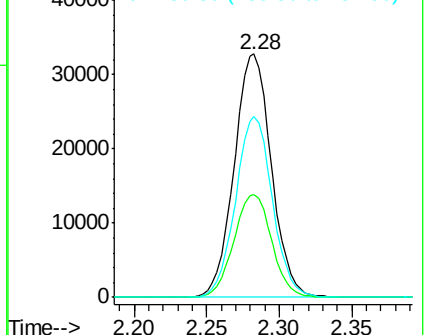
151 73.5 60.2 90.2



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: 51.456 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

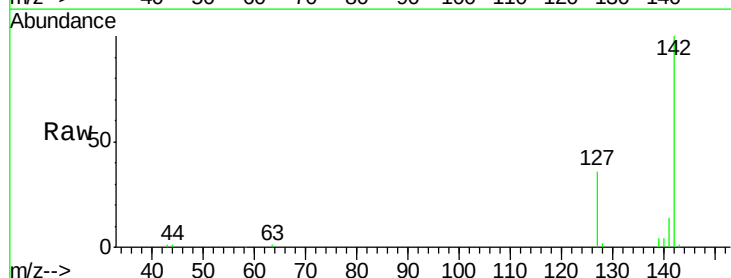
Tgt Ion:142 Resp: 59394

Ion Ratio Lower Upper

142 100

127 37.8 29.8 44.6

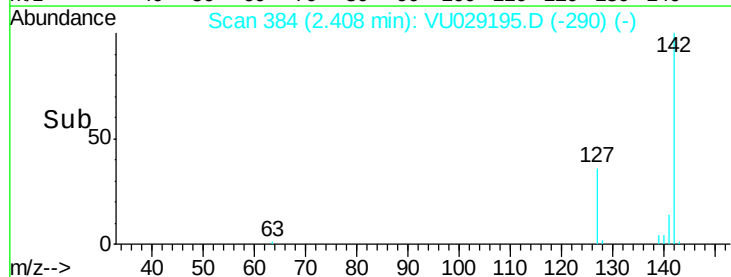
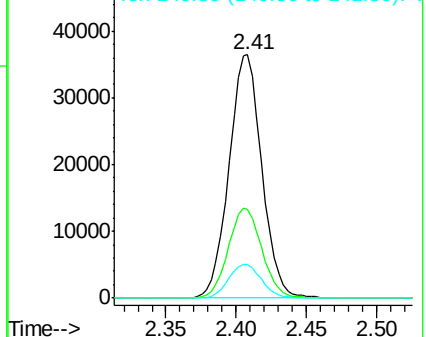
141 13.9 11.5 17.3

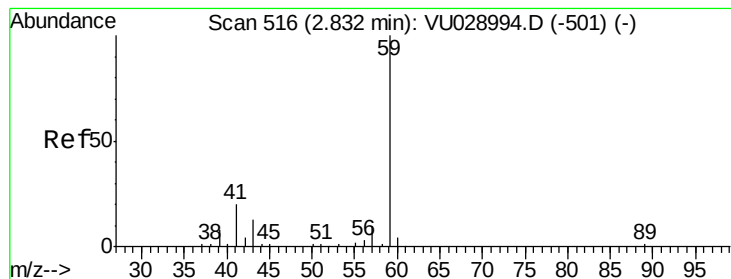


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 242.616 ug/l

RT: 2.83 min Scan# 514

Delta R.T. -0.01 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

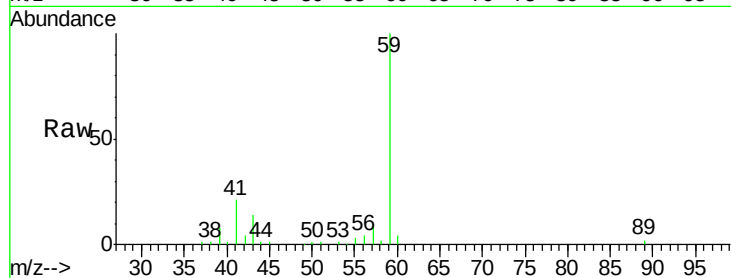
VSTDCCC050

Tot Ion: 59 Resp: 87831

Ion Ratio Lower Upper

59 100

57 9.5 7.9 11.9



Abundance Ion 59.00 (58.70 to 59.70): VU028994.D (-501) (-)

Ion 57.00 (56.70 to 57.70): VU028994.D (-501) (-)

2.83

40000

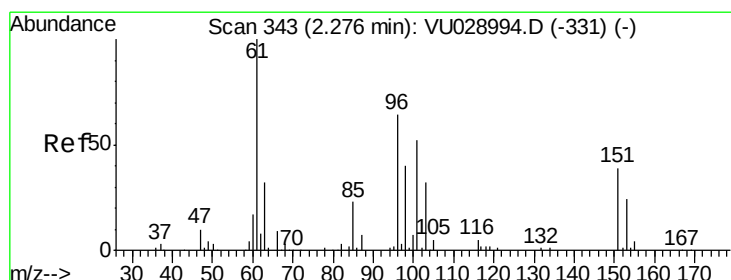
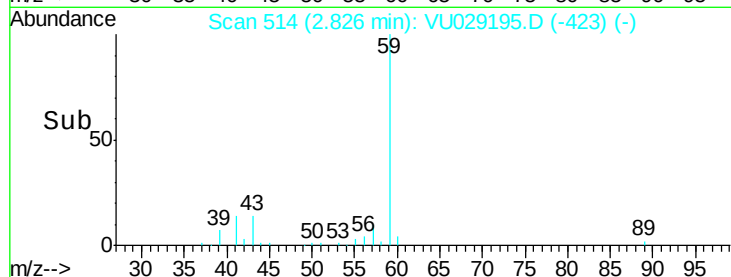
30000

20000

10000

0

Time--> 2.70 2.80 2.90



#12

1,1-Dichloroethene

Concen: 45.331 ug/l

RT: 2.28 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

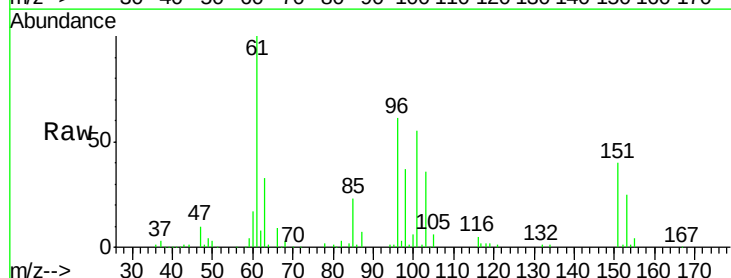
Tgt Ion: 96 Resp: 54166

Ion Ratio Lower Upper

96 100

61 164.3 125.4 188.0

98 60.6 49.7 74.5



Abundance Ion 95.90 (95.60 to 96.60): VU028994.D (-331) (-)

Ion 60.90 (60.60 to 61.60): VU028994.D (-331) (-)

Ion 97.90 (97.60 to 98.60): VU028994.D (-331) (-)

80000

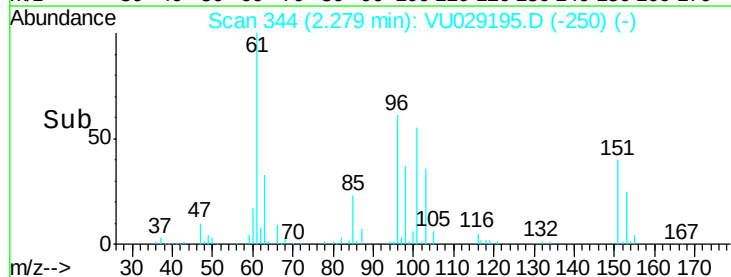
60000

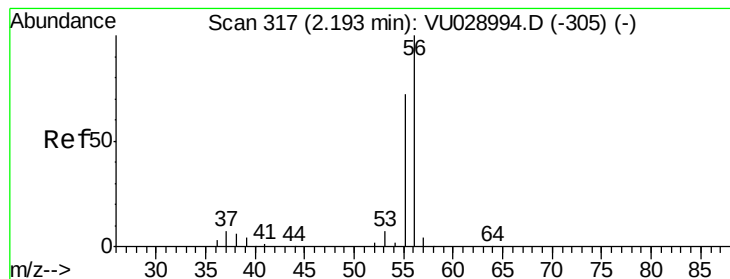
40000

20000

0

Time--> 2.20 2.25 2.30 2.35





#13

Acrolein

Concen: 221.756 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

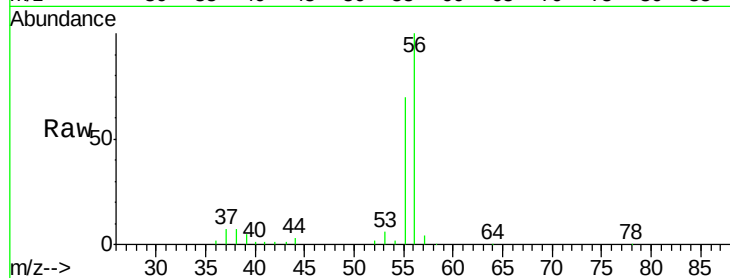
VSTDCCC050

Tot Ion: 56 Resp: 60281

Ion Ratio Lower Upper

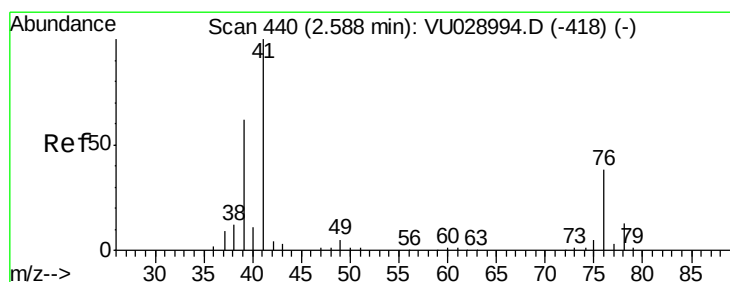
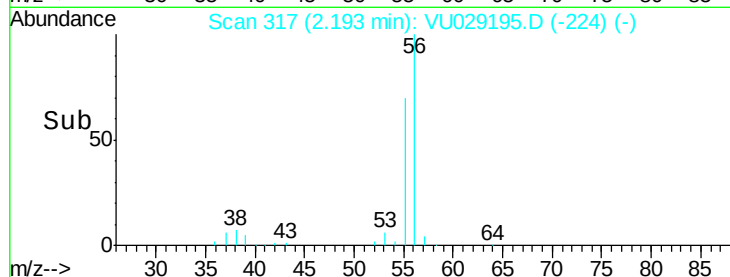
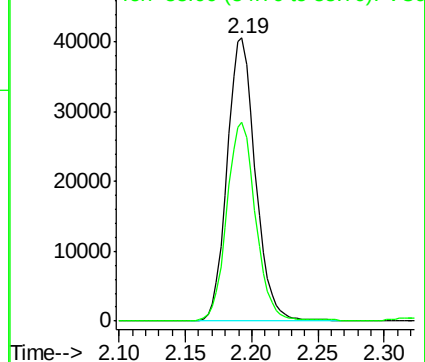
56 100

55 71.4 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 44.554 ug/l

RT: 2.59 min Scan# 440

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

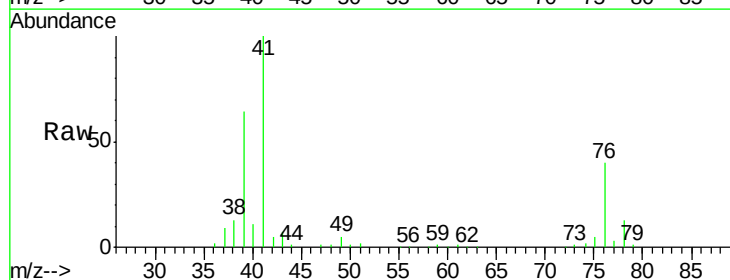
Tgt Ion: 41 Resp: 97681

Ion Ratio Lower Upper

41 100

39 64.9 45.0 67.6

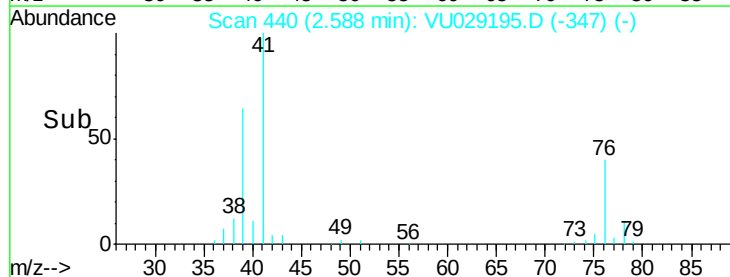
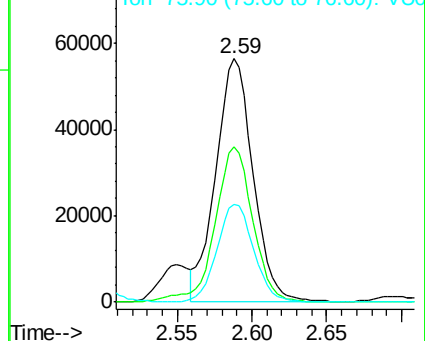
76 39.6 28.1 42.1

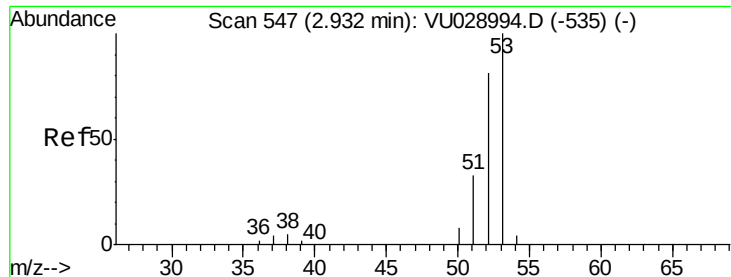


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 251.678 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

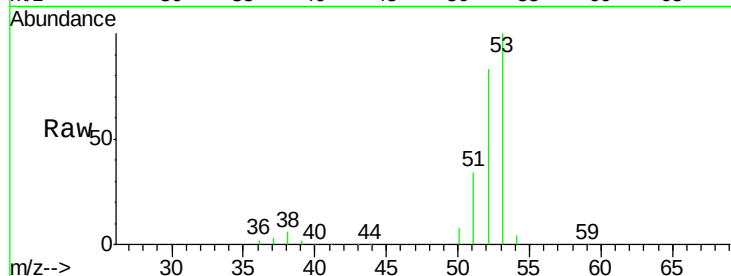
Tot Ion: 53 Resp: 223528

Ion Ratio Lower Upper

53 100

52 81.6 64.8 97.2

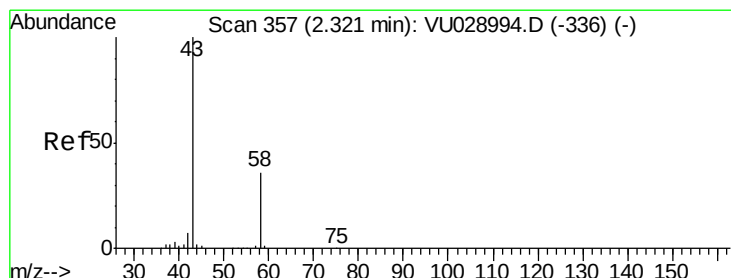
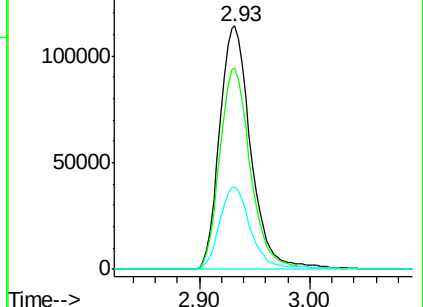
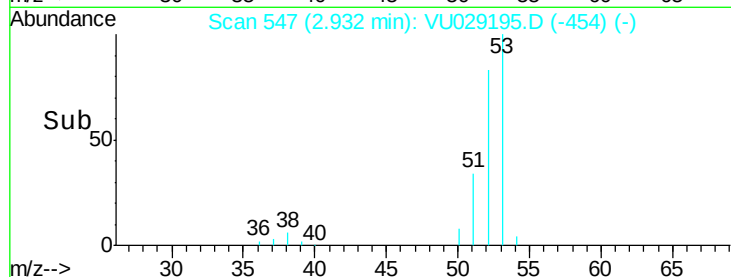
51 34.4 27.3 40.9



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: 283.481 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU029195.D

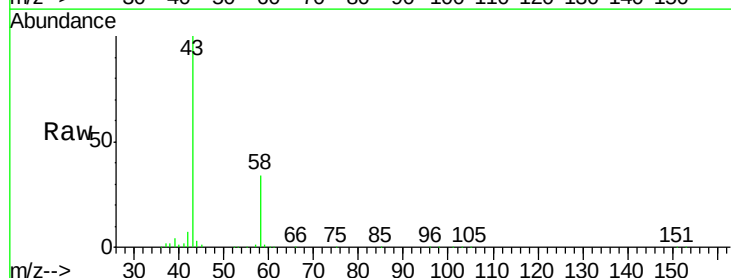
Acq: 16 Jan 2019 09:13

Tgt Ion: 43 Resp: 254340

Ion Ratio Lower Upper

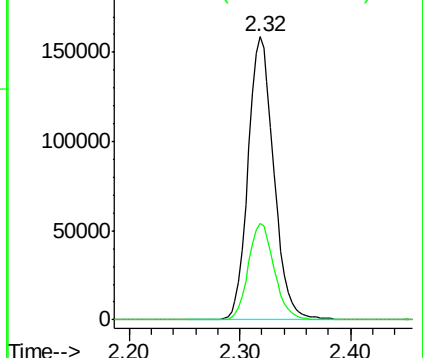
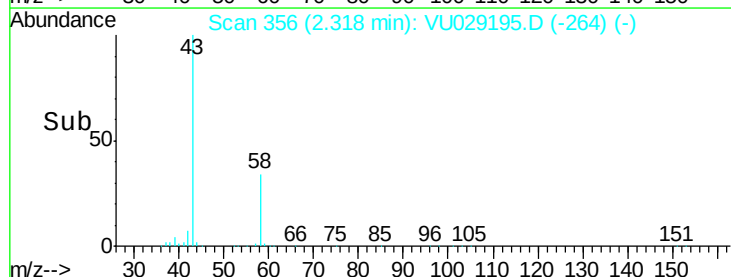
43 100

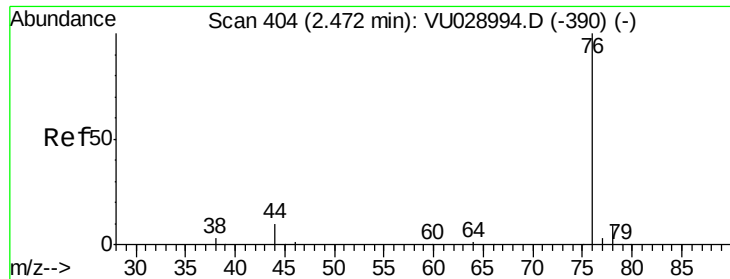
58 34.2 28.6 42.8



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

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

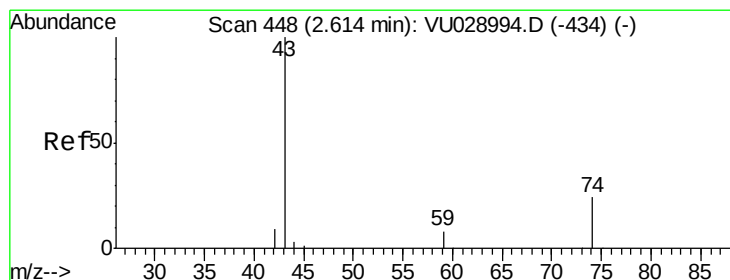
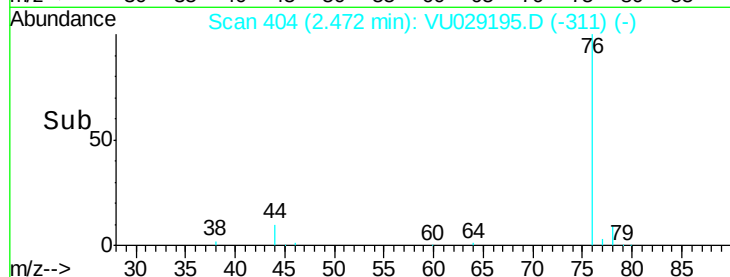
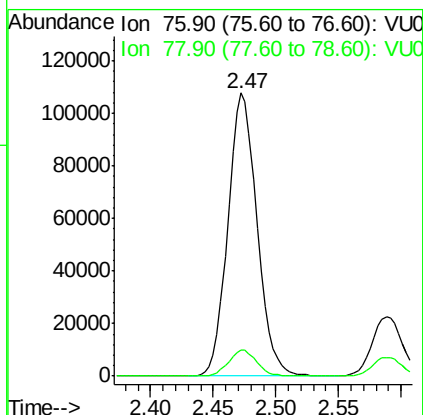
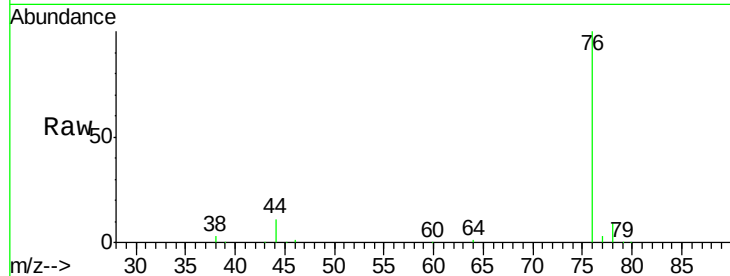




#17
Carbon Disulfide
Concen: 43.964 ug/l
RT: 2.47 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU029195.D
Acq: 16 Jan 2019 09:13

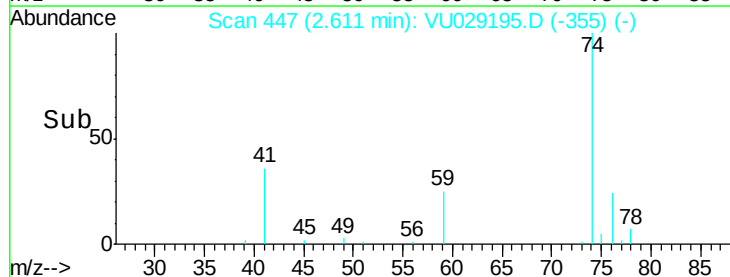
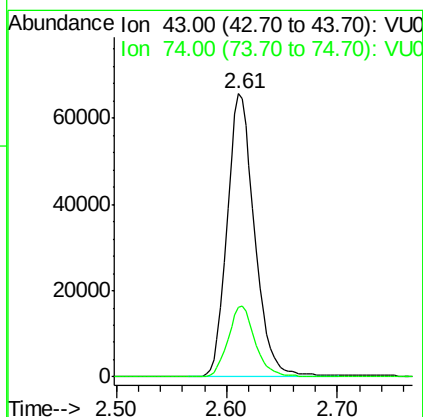
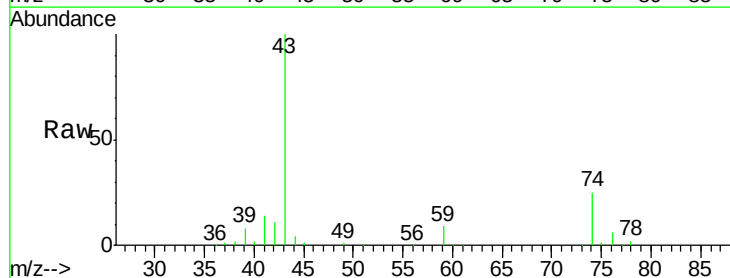
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

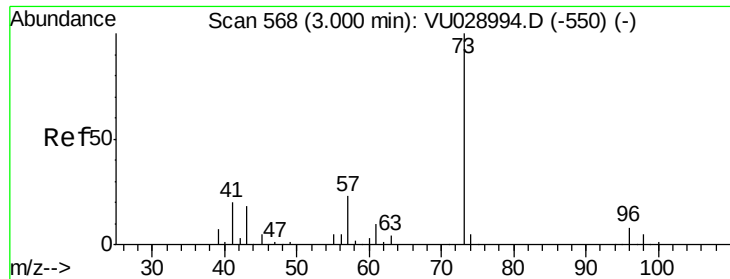
Tot Ion: 76 Resp: 174223
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8



#18
Methyl Acetate
Concen: 54.437 ug/l
RT: 2.61 min Scan# 447
Delta R.T. -0.00 min
Lab File: VU029195.D
Acq: 16 Jan 2019 09:13

Tgt Ion: 43 Resp: 113563
Ion Ratio Lower Upper
43 100
74 24.9 19.5 29.3

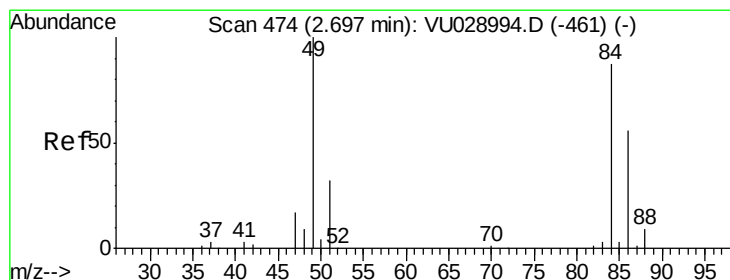
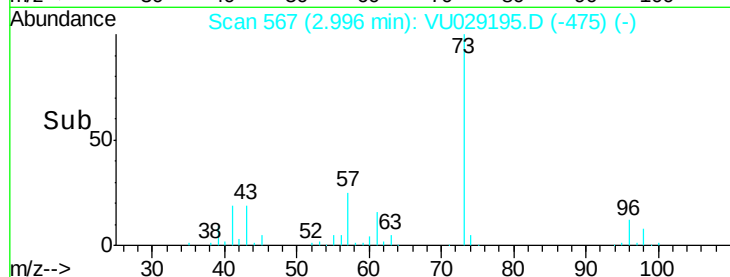
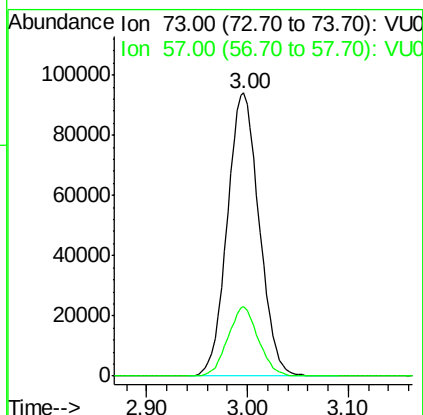
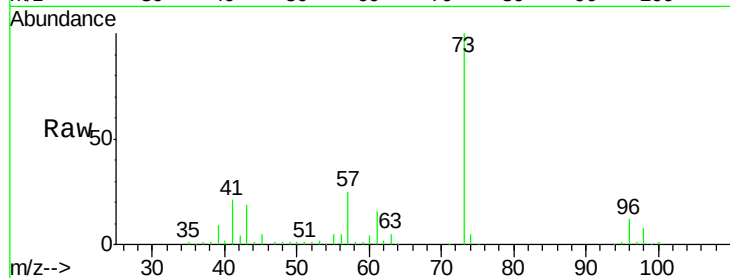




#19
Methvl tert-butyl Ether
Concen: 49.172 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU029195.D
Acq: 16 Jan 2019 09:13

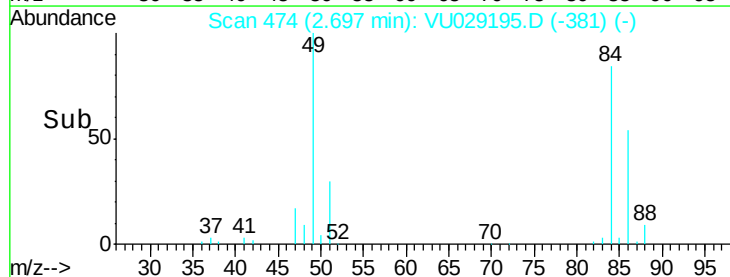
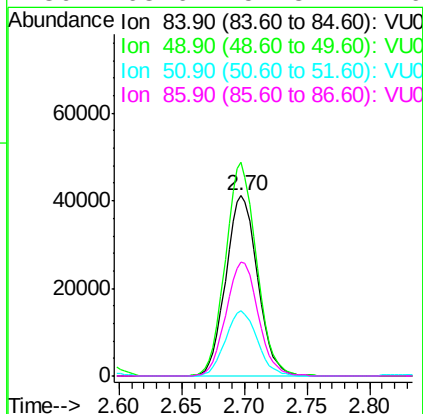
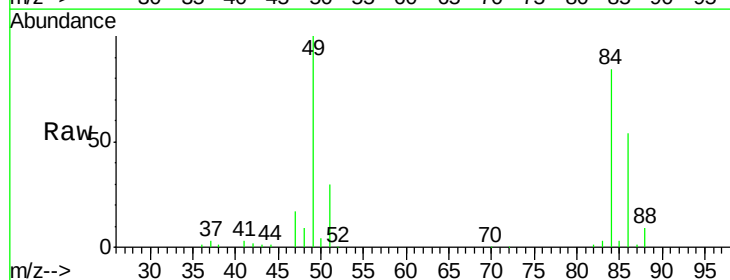
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

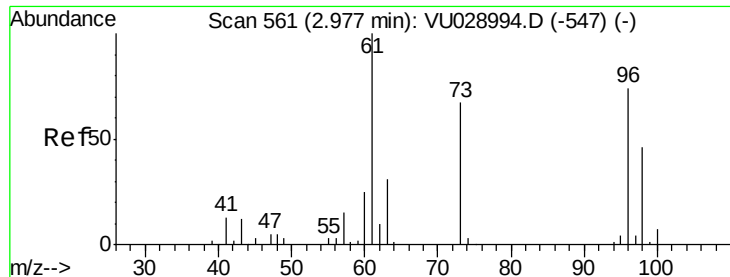
Tot Ion: 73 Resp: 206569
Ion Ratio Lower Upper
73 100
57 24.5 18.6 28.0



#20
Methylene Chloride
Concen: 47.501 ug/l
RT: 2.70 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU029195.D
Acq: 16 Jan 2019 09:13

Tgt Ion: 84 Resp: 72358
Ion Ratio Lower Upper
84 100
49 118.6 91.9 137.9
51 36.0 29.2 43.8
86 63.6 51.8 77.6

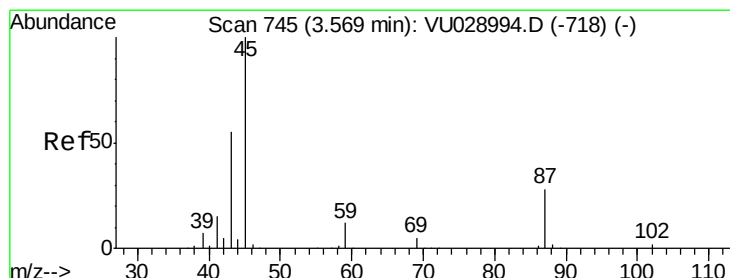
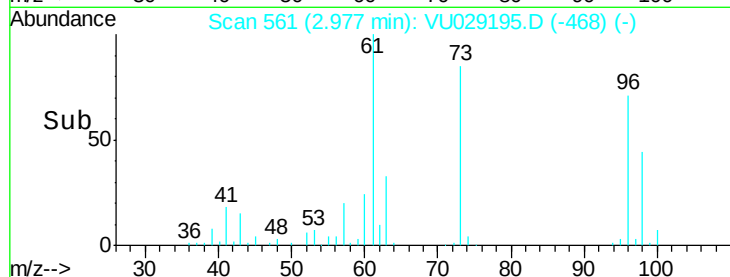
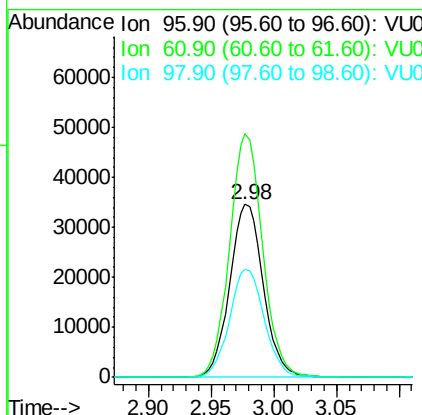
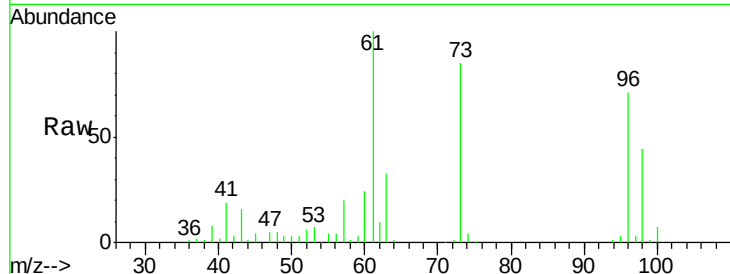




#21
trans-1,2-Dichloroethene
Concen: 46.403 ug/l
RT: 2.98 min Scan# 561
Delta R.T. 0.00 min
Lab File: VU029195.D
Acq: 16 Jan 2019 09:13

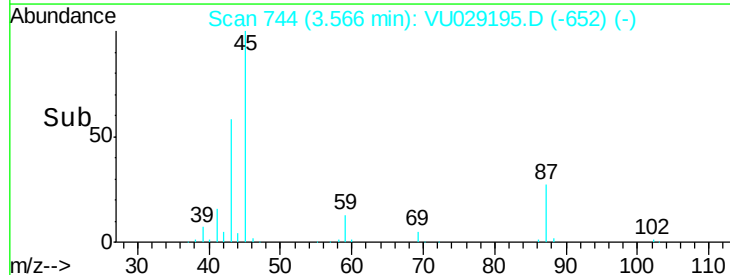
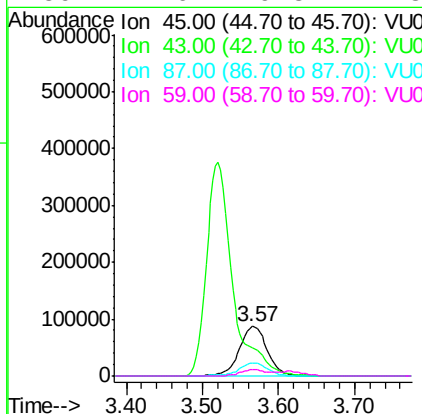
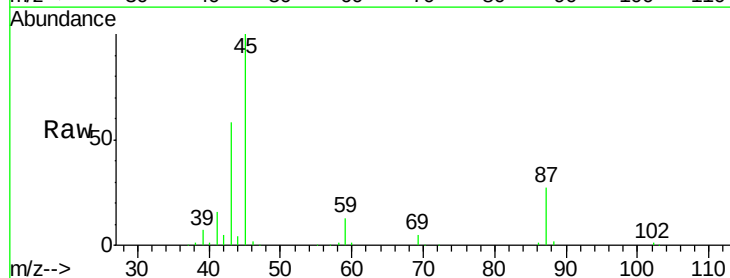
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

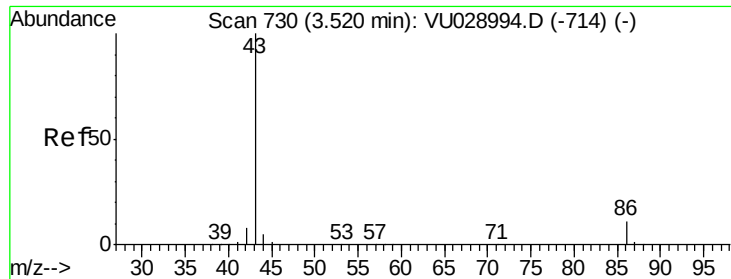
Tot Ion: 96 Resp: 64419
Ion Ratio Lower Upper
96 100
61 140.9 107.7 161.5
98 62.5 49.2 73.8



#22
Diisopropyl ether
Concen: 51.205 ug/l
RT: 3.57 min Scan# 744
Delta R.T. -0.00 min
Lab File: VU029195.D
Acq: 16 Jan 2019 09:13

Tgt Ion: 45 Resp: 221875
Ion Ratio Lower Upper
45 100
43 57.7 44.7 67.1
87 26.7 22.2 33.2
59 12.6 9.8 14.8

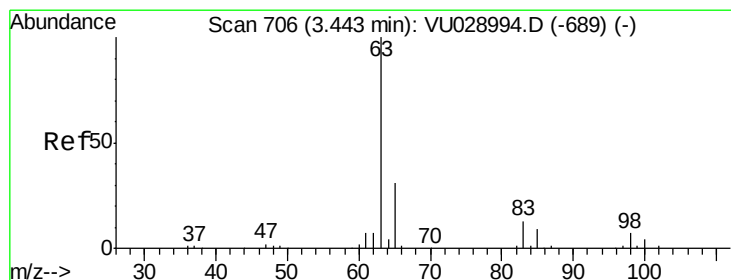
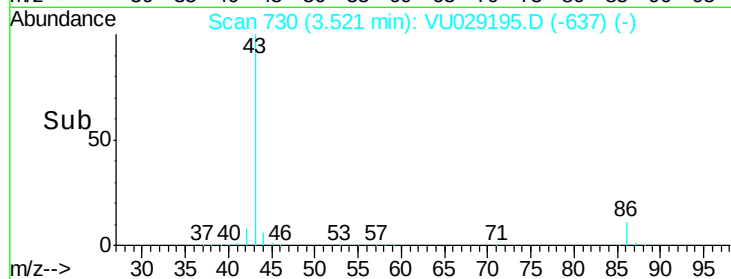
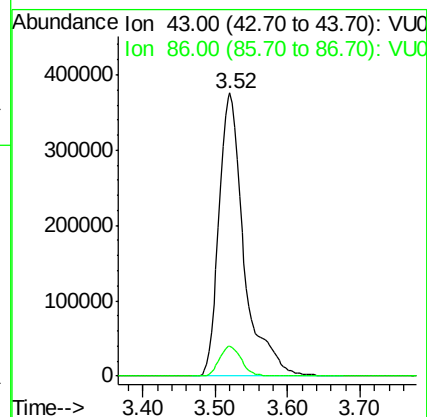
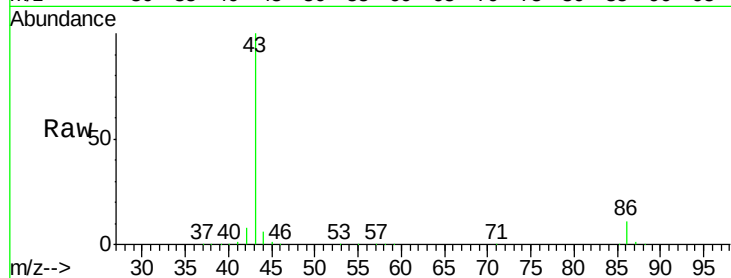




#23
 Vinyl Acetate
 Concen: 254.355 ug/l
 RT: 3.52 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU029195.D
 Acq: 16 Jan 2019 09:13

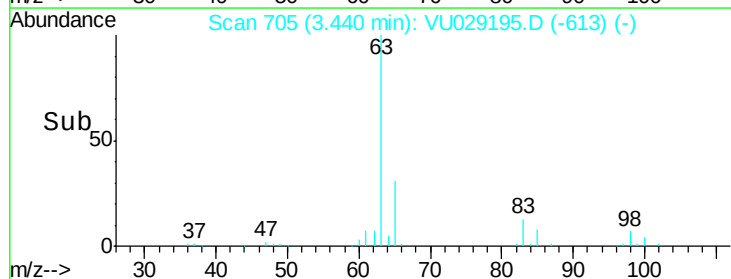
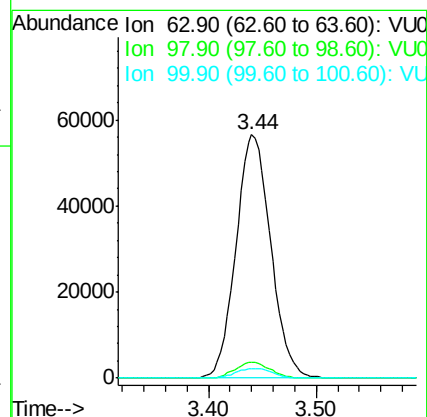
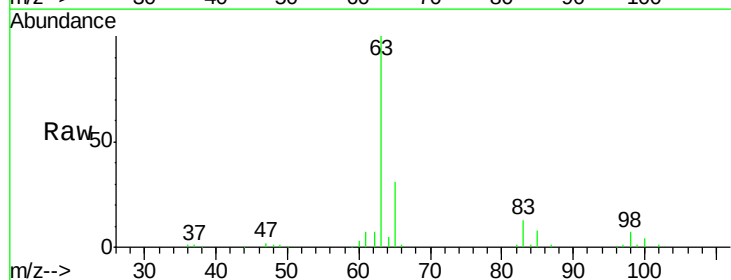
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

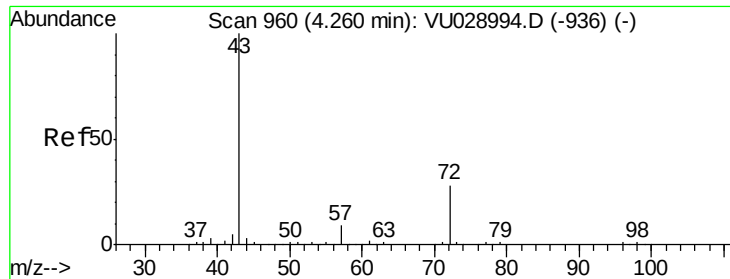
Tot Ion: 43 Resp: 900998
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 50.705 ug/l
 RT: 3.44 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: VU029195.D
 Acq: 16 Jan 2019 09:13

Tgt Ion: 63 Resp: 126831
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.4 10.1
 100 3.9 2.0 5.8





#25

2-Butanone

Concen: 271.519 ug/l

RT: 4.26 min Scan# 959

Delta R.T. -0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

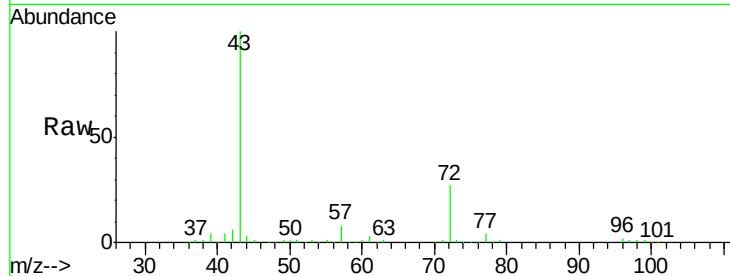
VSTDCCC050

Tot Ion: 43 Resp: 329028

Ion Ratio Lower Upper

43 100

72 27.2 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

150000

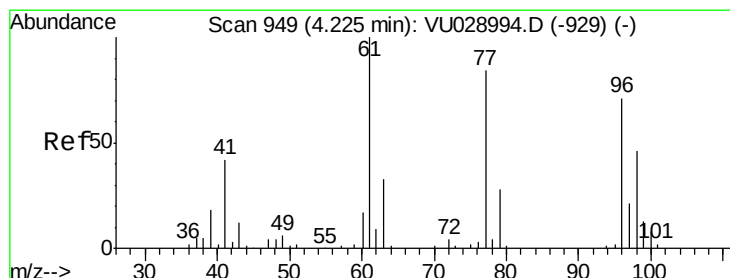
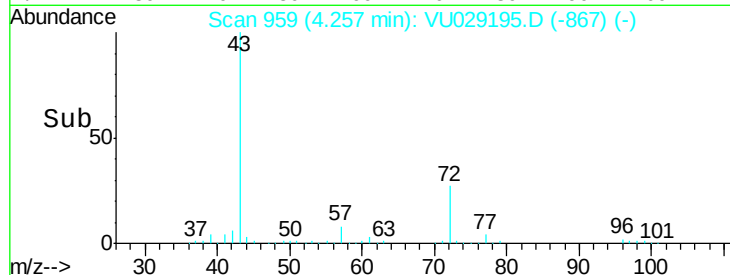
100000

50000

0

4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 50.782 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU029195.D

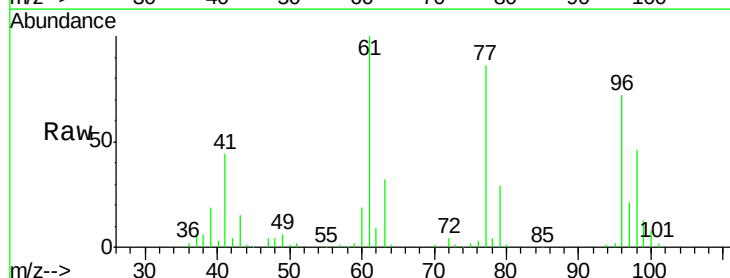
Acq: 16 Jan 2019 09:13

Tgt Ion: 77 Resp: 102638

Ion Ratio Lower Upper

77 100

97 24.4 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

40000

30000

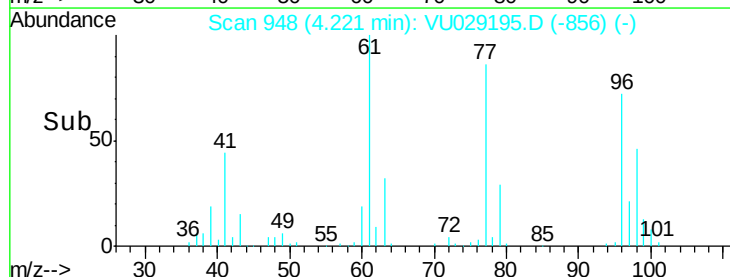
20000

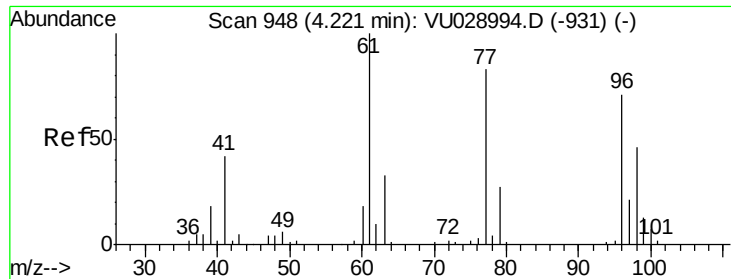
10000

0

4.10 4.20 4.30

Time-->



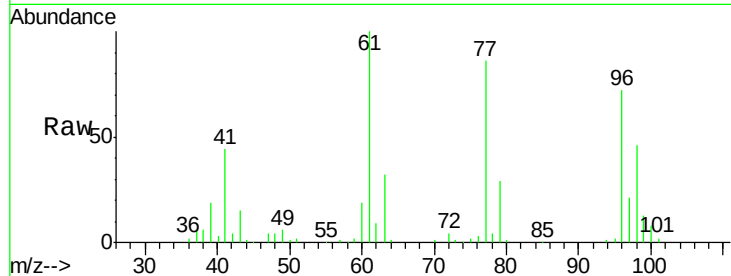


#27

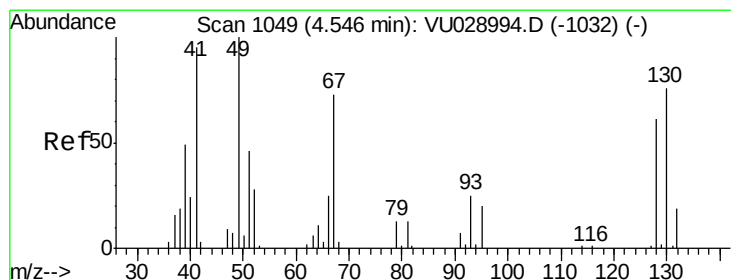
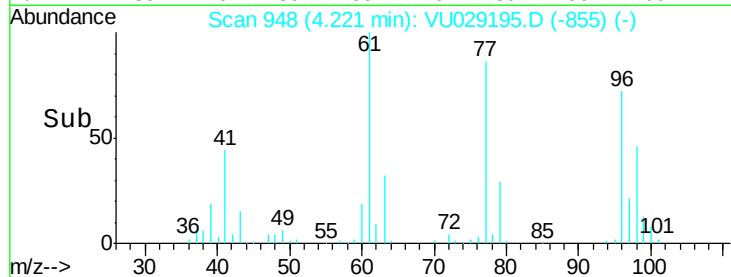
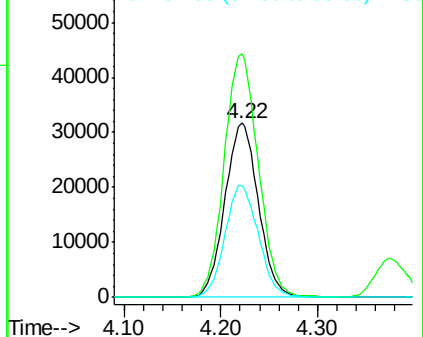
cis-1,2-Dichloroethene
Concen: 50.159 ug/l
RT: 4.22 min Scan# 948
Delta R.T. 0.00 min
Lab File: VU029195.D
Acq: 16 Jan 2019 09:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 76159
Ion Ratio Lower Upper
96 100
61 142.5 0.0 285.6
98 64.2 0.0 130.2



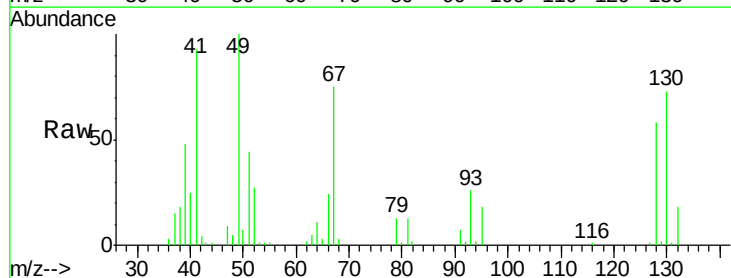
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



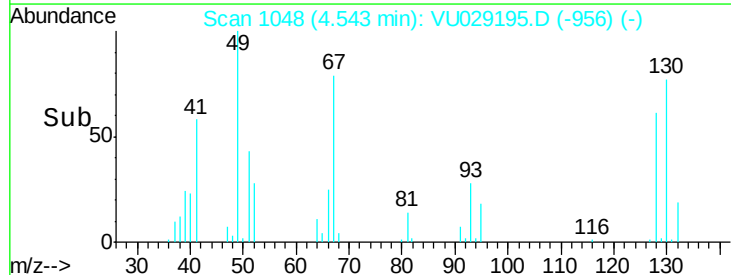
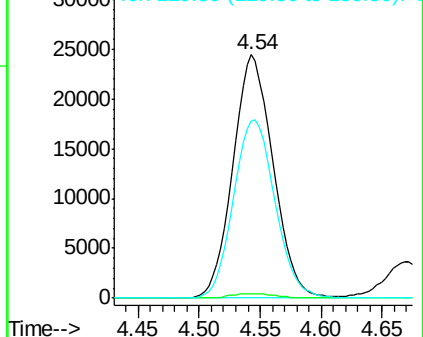
#28

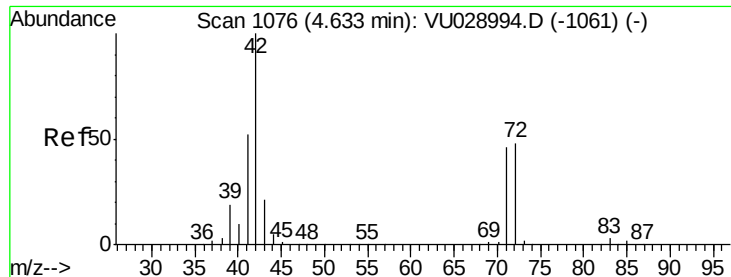
Bromochloromethane
Concen: 52.131 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU029195.D
Acq: 16 Jan 2019 09:13

Tgt Ion: 49 Resp: 55836
Ion Ratio Lower Upper
49 100
129 2.0 0.0 3.4
130 75.5 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

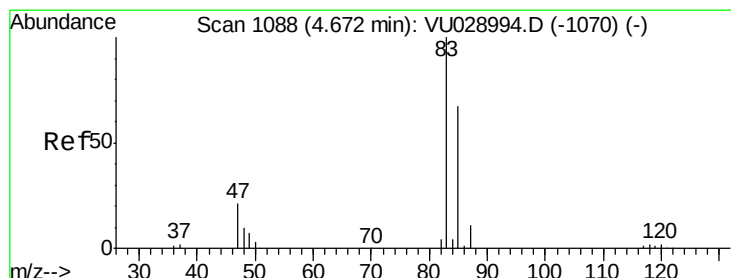
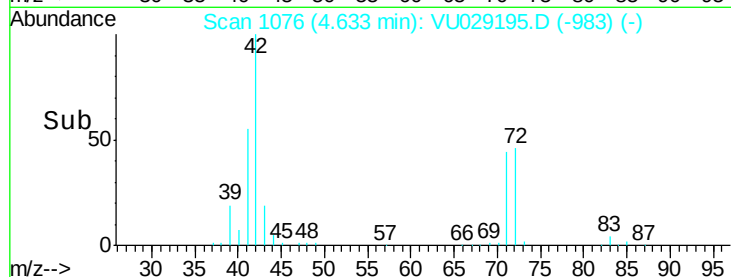
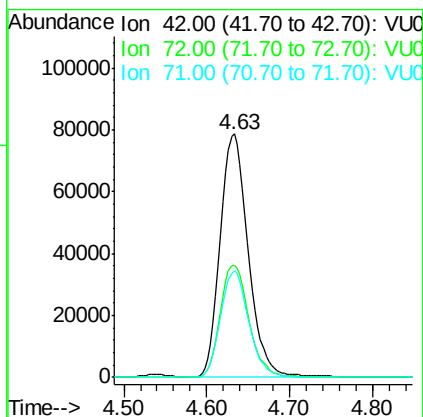
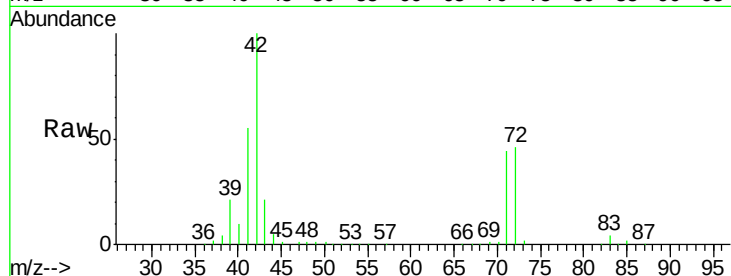




#29
Tetrahydrofuran
Concen: 250.448 ug/l
RT: 4.63 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VU029195.D
Acq: 16 Jan 2019 09:13

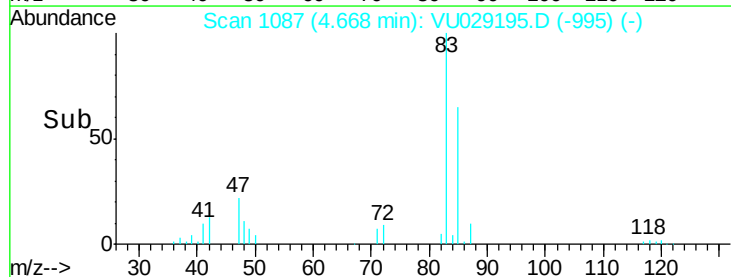
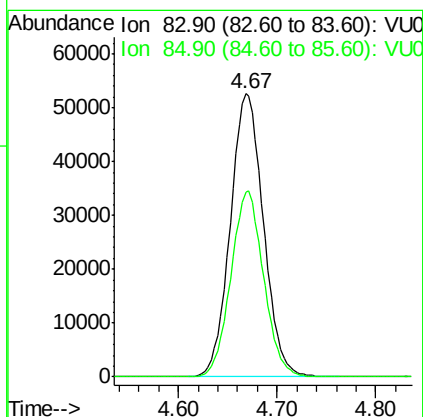
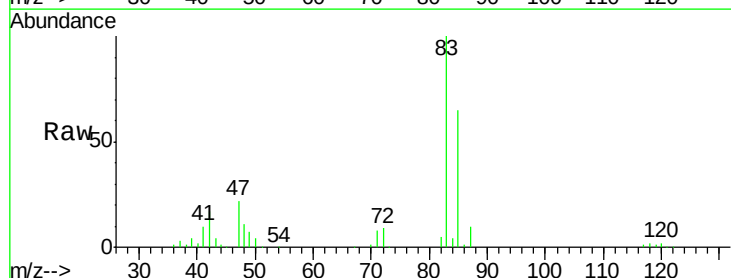
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

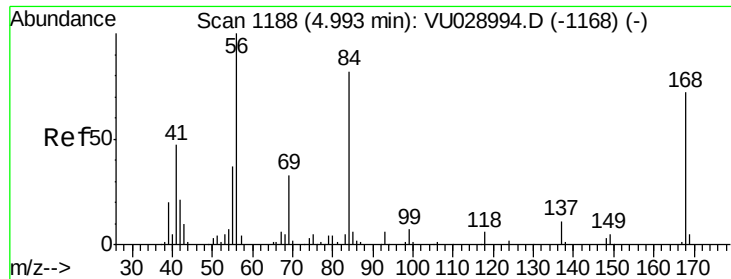
Tot Ion: 42 Resp: 184074
Ion Ratio Lower Upper
42 100
72 47.4 38.3 57.5
71 44.0 36.1 54.1



#30
Chloroform
Concen: 51.535 ug/l
RT: 4.67 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VU029195.D
Acq: 16 Jan 2019 09:13

Tgt Ion: 83 Resp: 122782
Ion Ratio Lower Upper
83 100
85 65.2 53.4 80.0

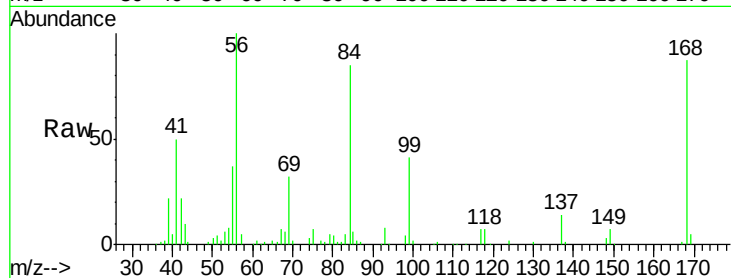




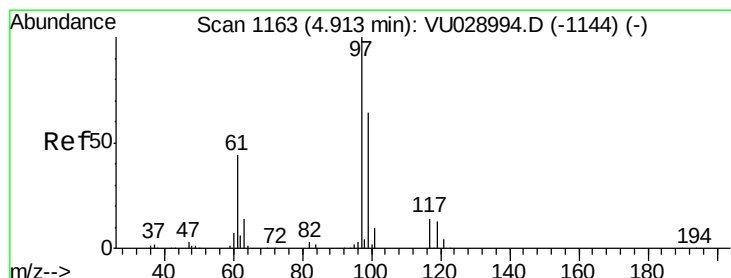
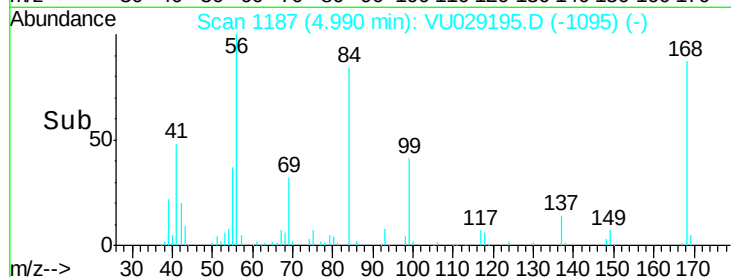
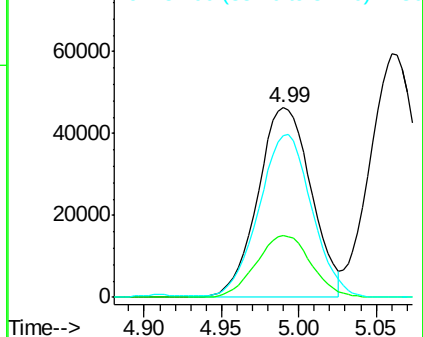
#31
Cyclohexane
Concen: 47.095 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU029195.D
Acq: 16 Jan 2019 09:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 111355
Ion Ratio Lower Upper
56 100
69 32.5 26.7 40.1
84 84.8 65.7 98.5

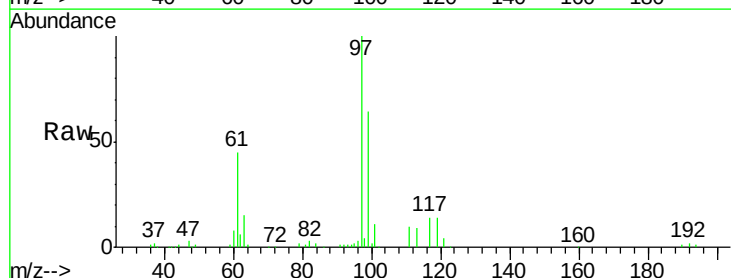


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

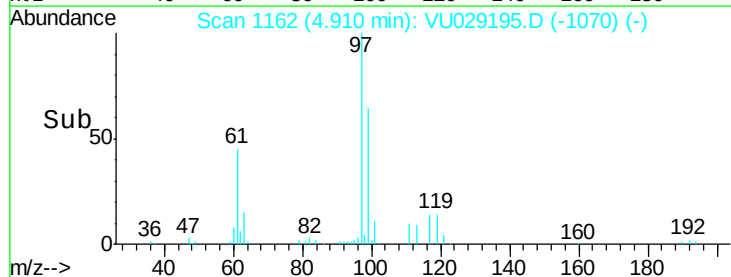
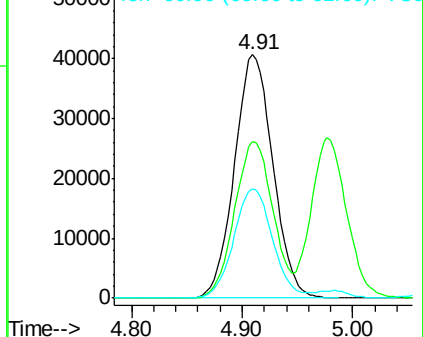


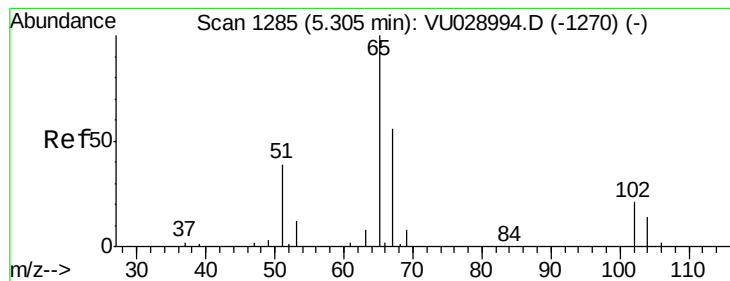
#32
1,1,1-Trichloroethane
Concen: 49.892 ug/l
RT: 4.91 min Scan# 1162
Delta R.T. -0.00 min
Lab File: VU029195.D
Acq: 16 Jan 2019 09:13

Tgt Ion: 97 Resp: 98218
Ion Ratio Lower Upper
97 100
99 64.0 51.0 76.4
61 45.1 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: 51.222 ug/l

RT: 5.31 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

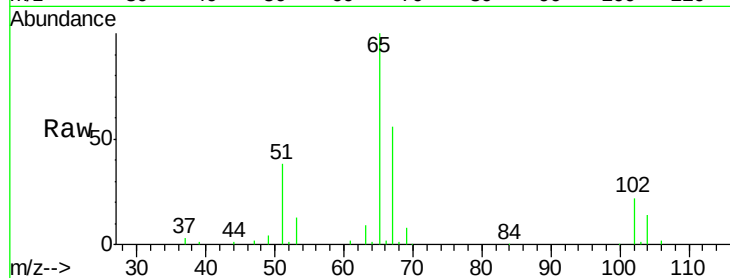
VSTDCCC050

Tot Ion: 65 Resp: 72952

Ion Ratio Lower Upper

65 100

67 56.1 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VU028994.D (-1270) (-)

Ion 66.90 (66.60 to 67.60): VU028994.D (-1270) (-)

5.31

40000

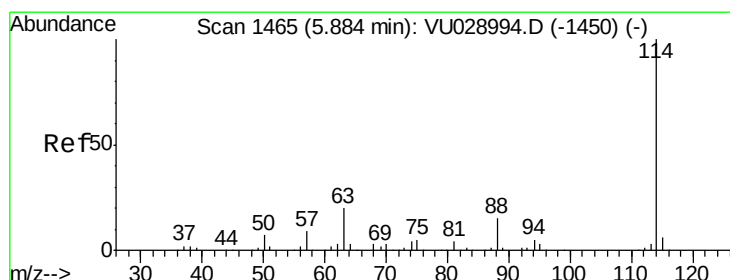
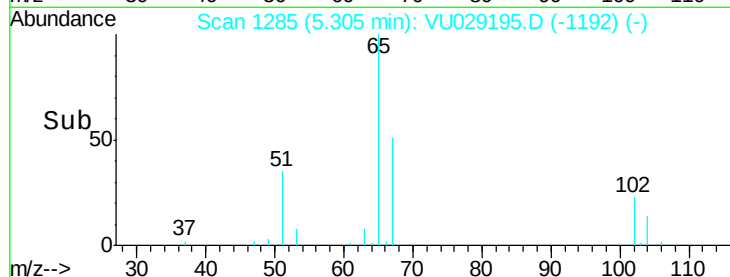
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

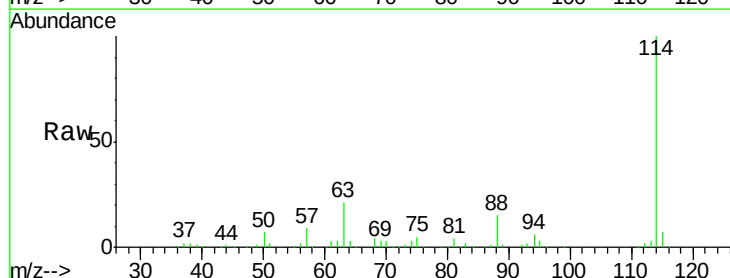
Tgt Ion: 114 Resp: 177986

Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.2

88 15.4 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VU028994.D (-1450) (-)

Ion 63.00 (62.70 to 63.70): VU028994.D (-1450) (-)

Ion 87.90 (87.60 to 88.60): VU028994.D (-1450) (-)

5.88

120000

100000

80000

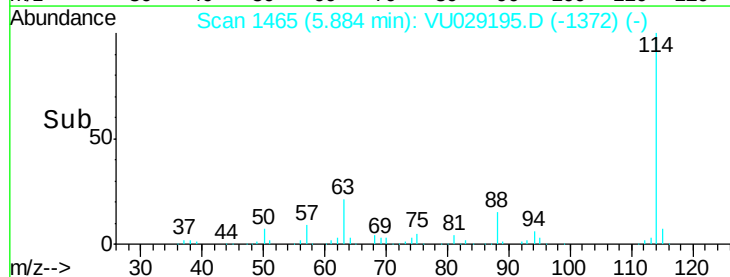
60000

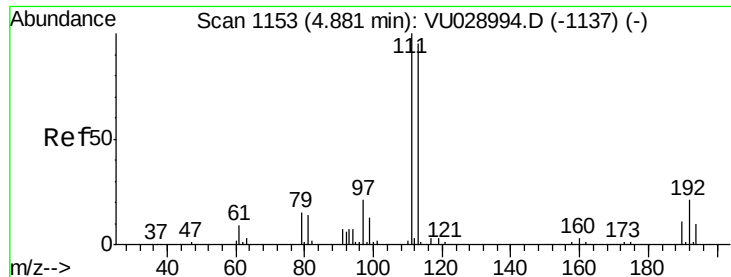
40000

20000

0

Time-->





#35

Dibromofluoromethane

Concen: 54.732 ug/l

RT: 4.88 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

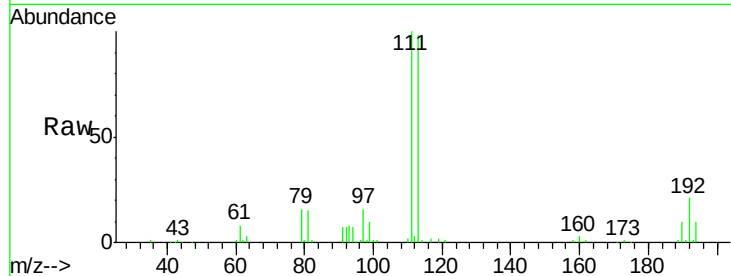
Tot Ion:113 Resp: 63147

Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.2

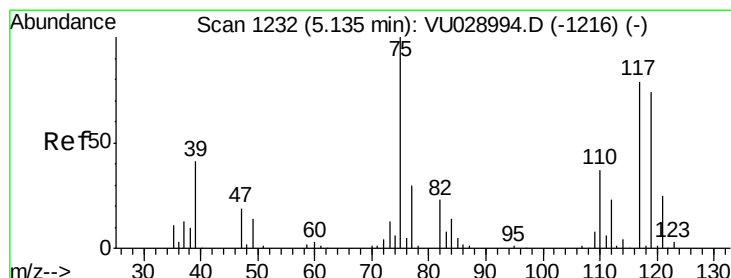
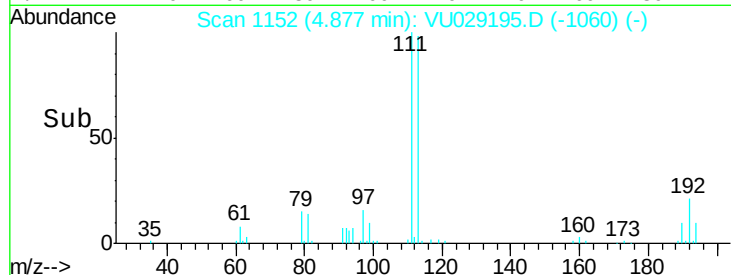
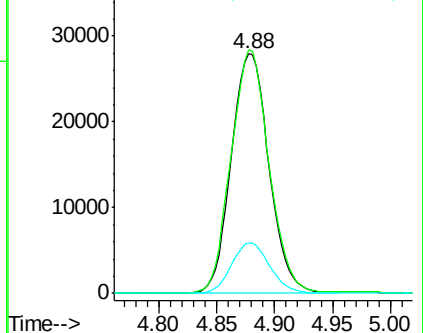
192 21.2 16.8 25.2



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: 52.026 ug/l

RT: 5.13 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

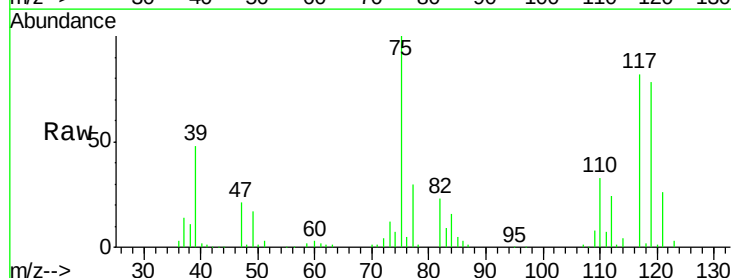
Tgt Ion: 75 Resp: 92557

Ion Ratio Lower Upper

75 100

110 35.0 18.4 55.4

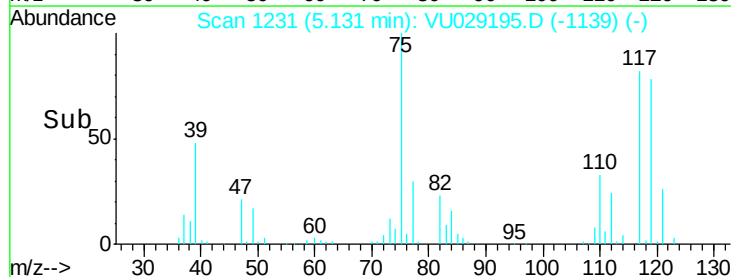
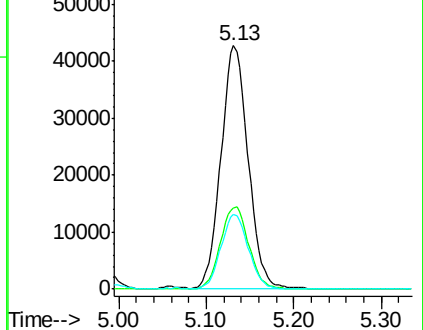
77 30.9 25.1 37.7

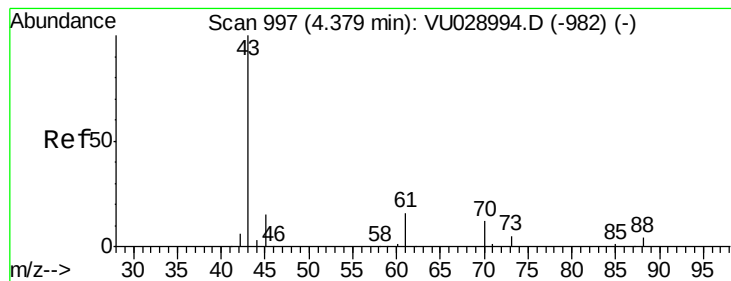


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 53.712 ug/l

RT: 4.38 min Scan# 996

Delta R.T. -0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

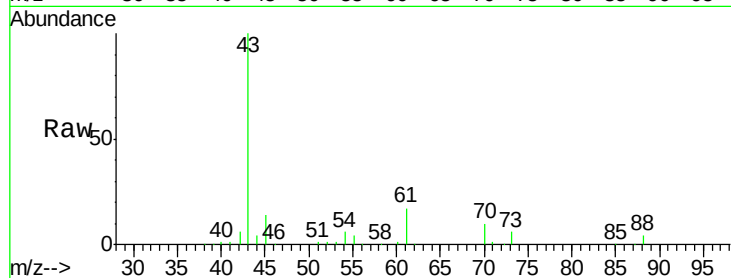
Tot Ion: 43 Resp: 104889

Ion Ratio Lower Upper

43 100

61 16.0 12.6 18.8

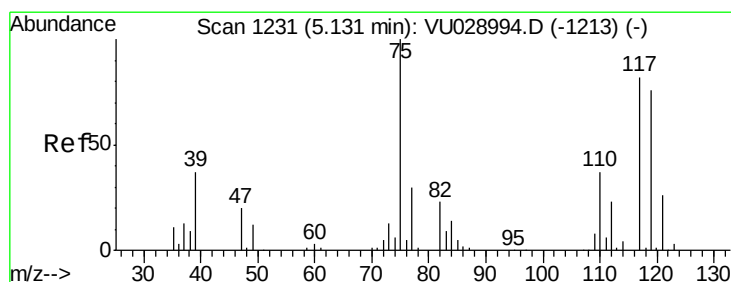
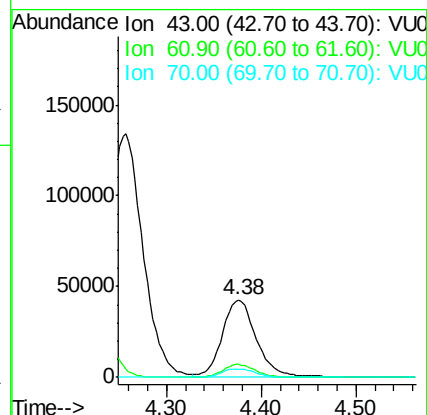
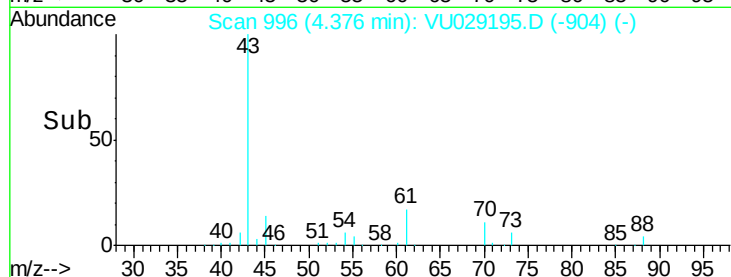
70 11.1 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-982) (-)

Ion 60.90 (60.60 to 61.60): VU028994.D (-982) (-)

Ion 70.00 (69.70 to 70.70): VU028994.D (-982) (-)



#38

Carbon Tetrachloride

Concen: 54.410 ug/l

RT: 5.13 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

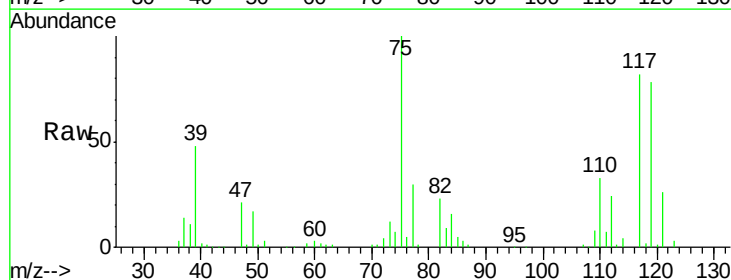
Tgt Ion: 117 Resp: 80734

Ion Ratio Lower Upper

117 100

119 95.8 74.6 111.8

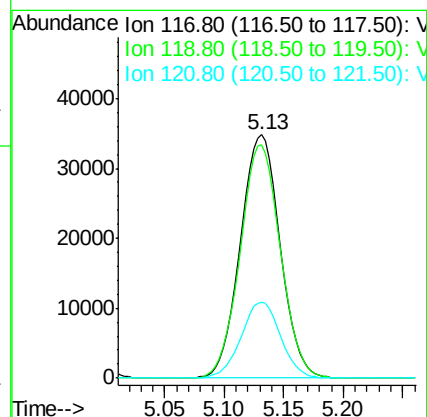
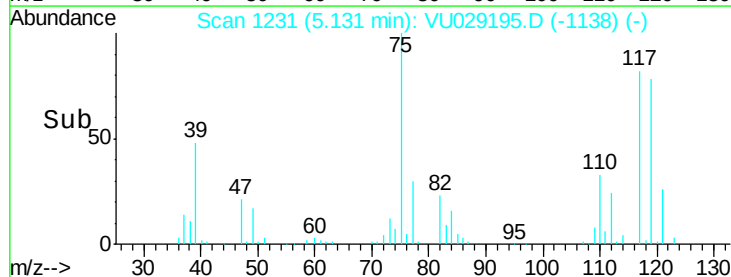
121 31.3 25.0 37.6

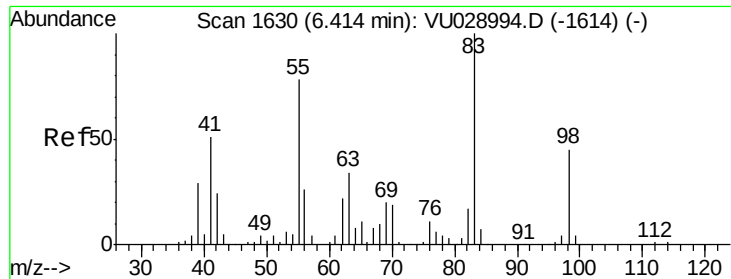


Abundance Ion 116.80 (116.50 to 117.50): VU028994.D (-1213) (-)

Ion 118.80 (118.50 to 119.50): VU028994.D (-1213) (-)

Ion 120.80 (120.50 to 121.50): VU028994.D (-1213) (-)

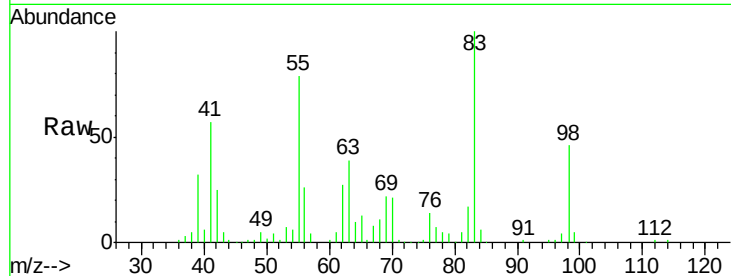




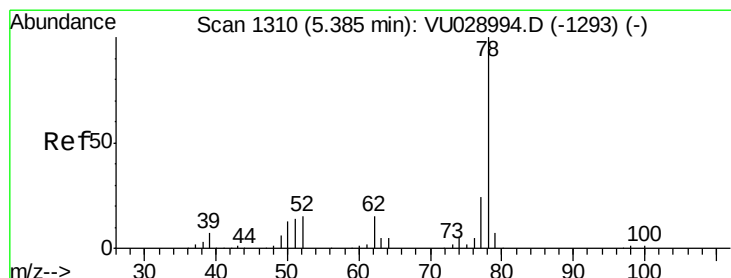
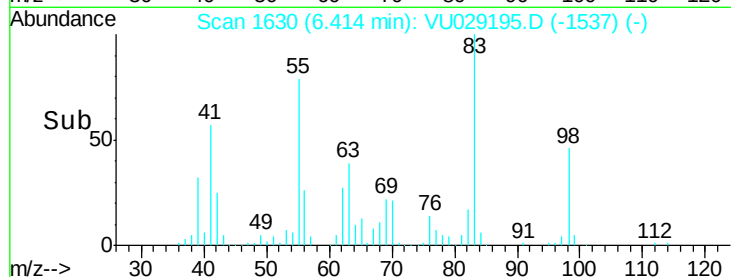
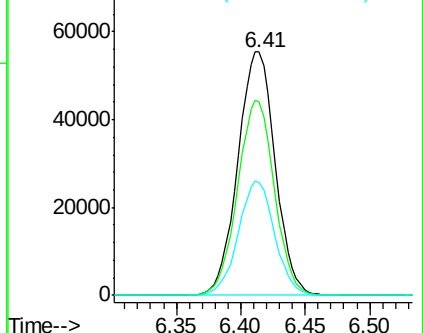
#39
Methylvlcyclohexane
Concen: 51.105 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU029195.D
Acq: 16 Jan 2019 09:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 111772
Ion Ratio Lower Upper
83 100
55 79.3 62.4 93.6
98 46.2 36.2 54.2

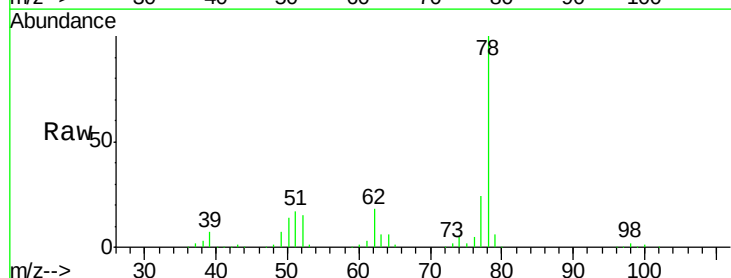


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

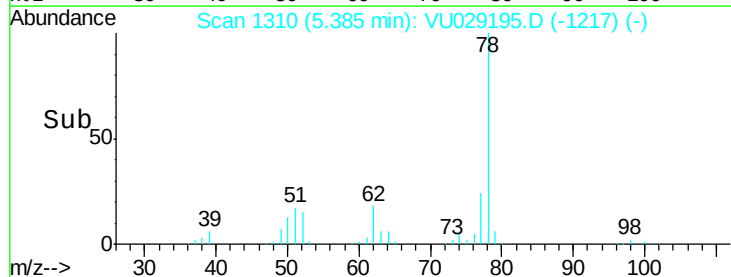
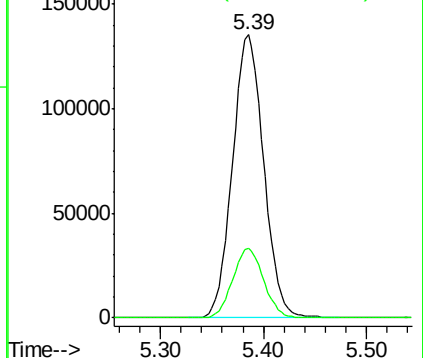


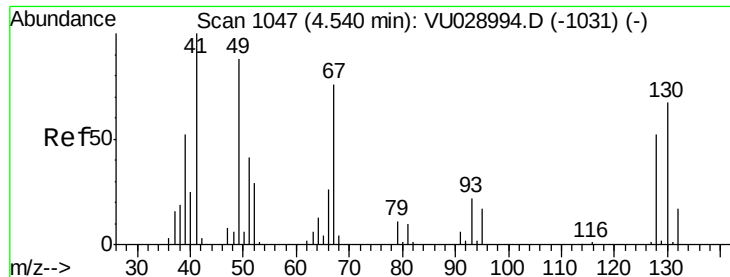
#40
Benzene
Concen: 51.430 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU029195.D
Acq: 16 Jan 2019 09:13

Tgt Ion: 78 Resp: 285401
Ion Ratio Lower Upper
78 100
77 24.4 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: 55.666 ug/l

RT: 4.54 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 58188

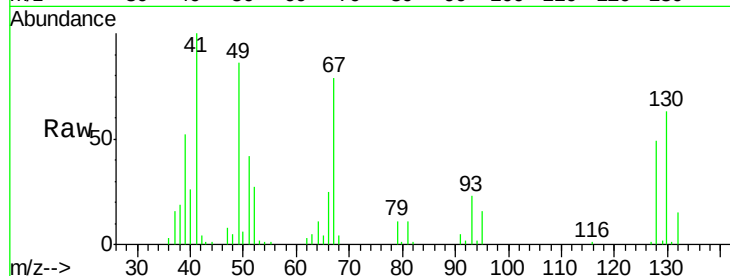
Ion Ratio Lower Upper

41 100

39 52.4 42.3 63.5

67 79.3 64.4 96.6

52 30.1 23.9 35.9

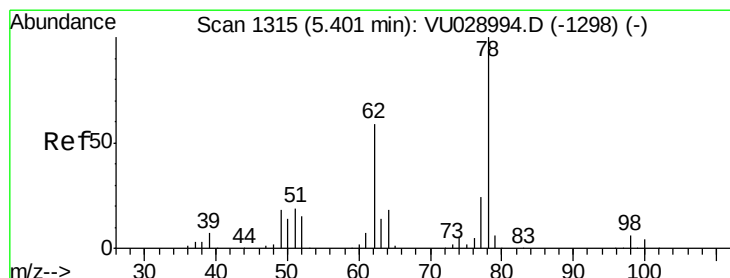
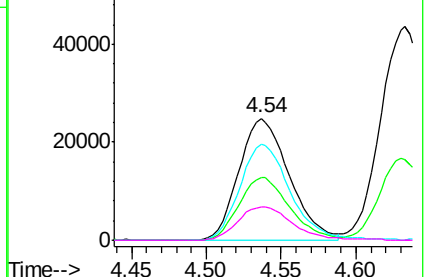
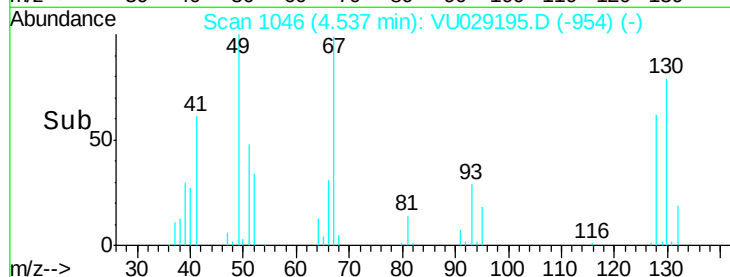


Abundance Ion 41.00 (40.70 to 41.70): VU0

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: 54.743 ug/l

RT: 5.40 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU029195.D

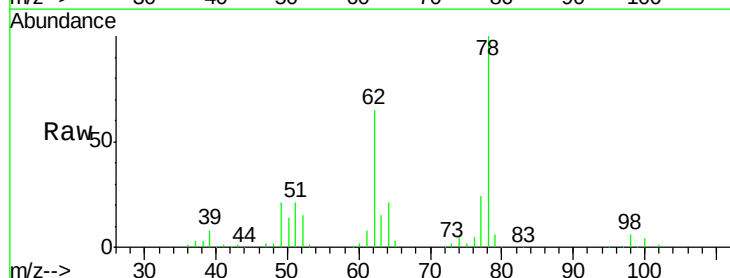
Acq: 16 Jan 2019 09:13

Tgt Ion: 62 Resp: 91286

Ion Ratio Lower Upper

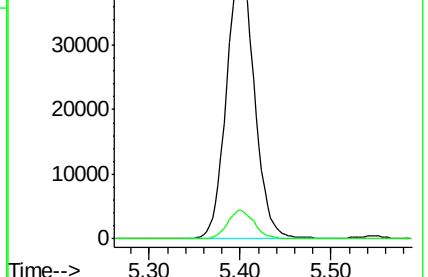
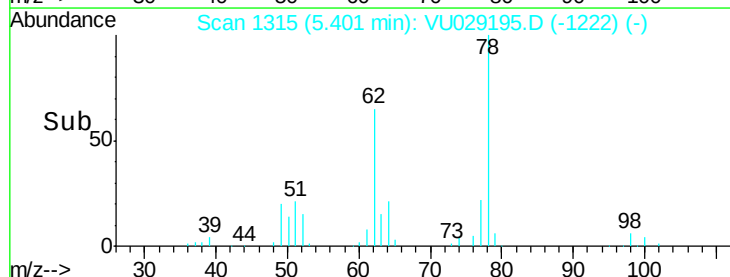
62 100

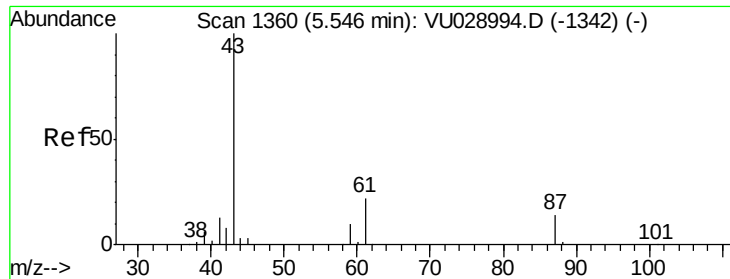
98 9.9 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 54.193 ug/l

RT: 5.54 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

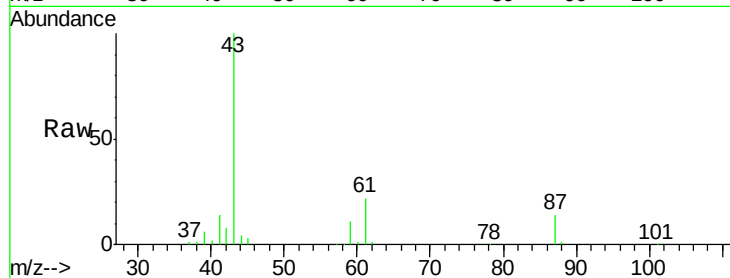
Tot Ion: 43 Resp: 162339

Ion Ratio Lower Upper

43 100

61 21.9 17.8 26.6

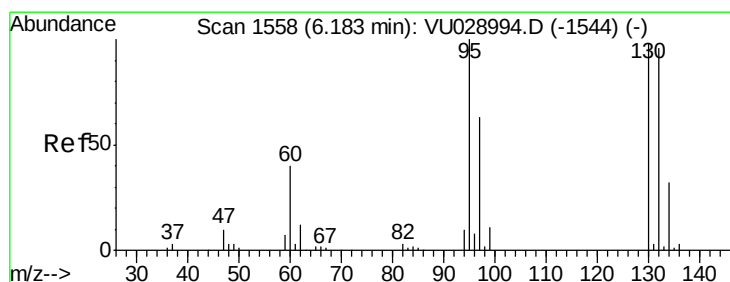
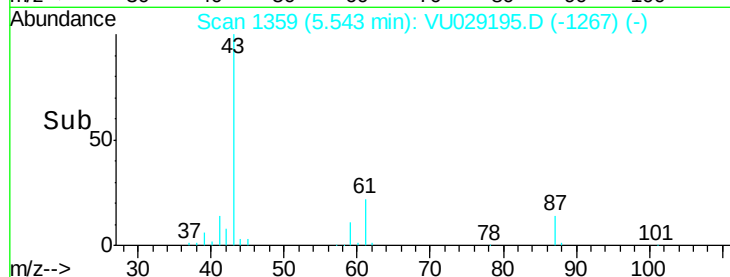
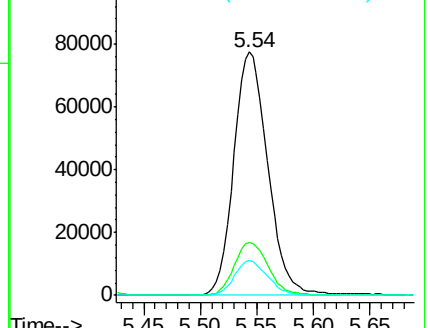
87 13.9 11.3 16.9



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: 50.038 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU029195.D

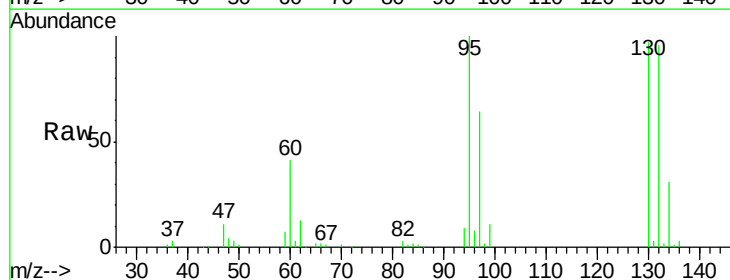
Acq: 16 Jan 2019 09:13

Tgt Ion:130 Resp: 68801

Ion Ratio Lower Upper

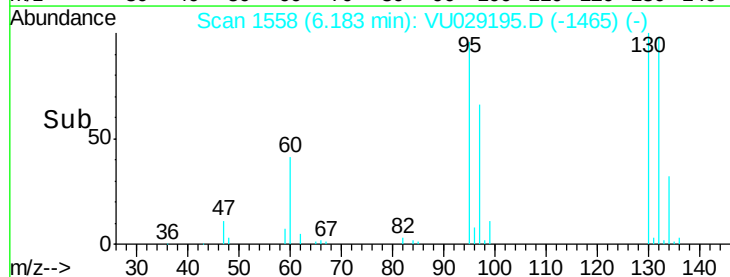
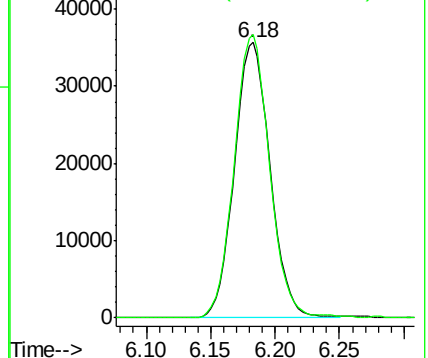
130 100

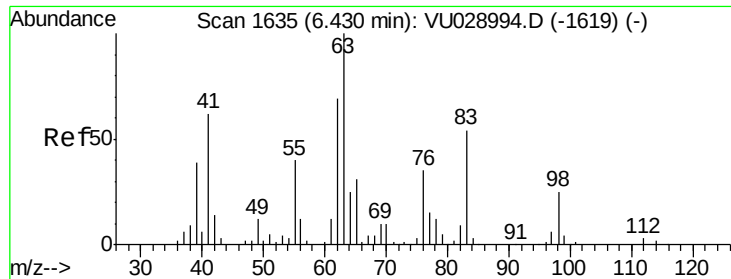
95 102.7 0.0 205.0



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: 54.064 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

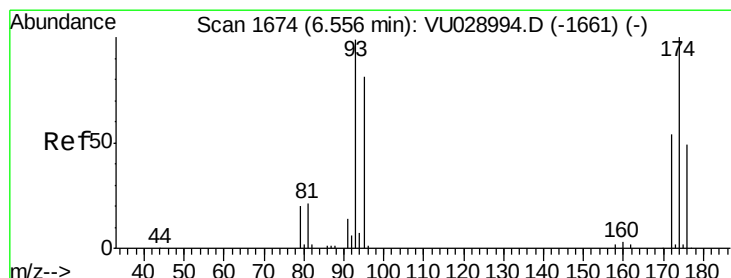
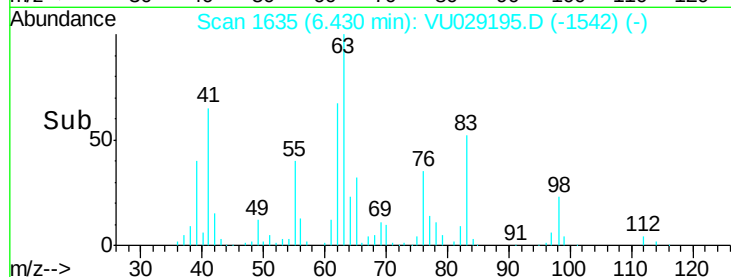
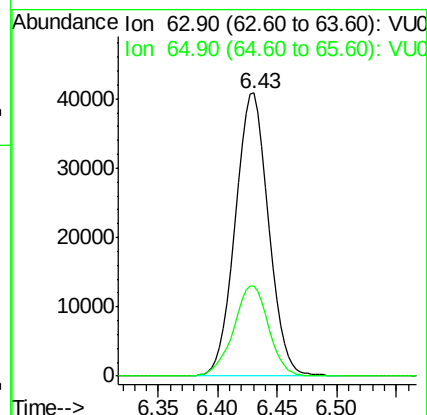
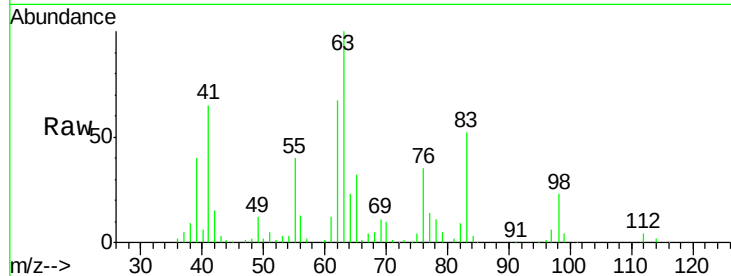
VSTDCCC050

Tot Ion: 63 Resp: 79229

Ion Ratio Lower Upper

63 100

65 31.7 25.1 37.7



#46

Dibromomethane

Concen: 53.998 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

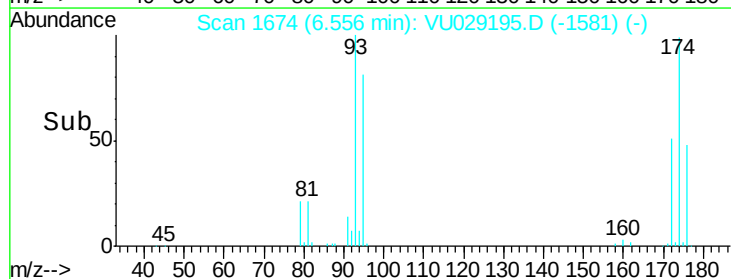
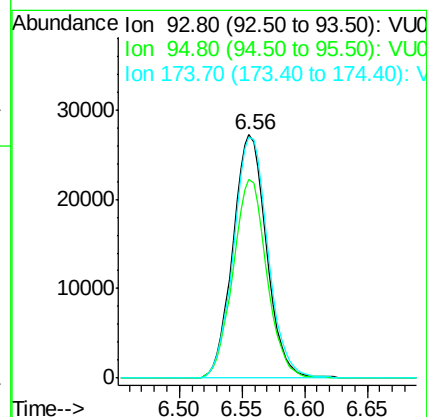
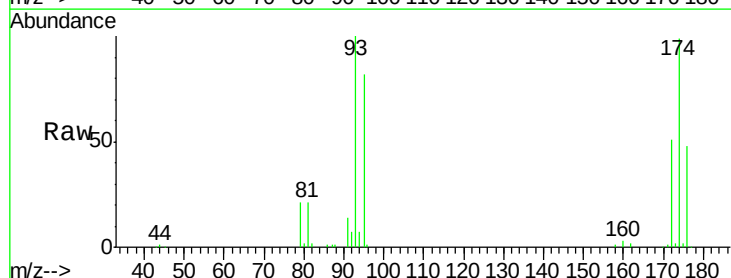
Tgt Ion: 93 Resp: 50586

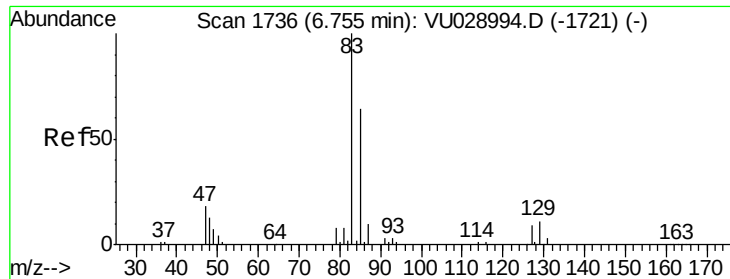
Ion Ratio Lower Upper

93 100

95 82.0 67.2 100.8

174 101.4 82.6 123.8

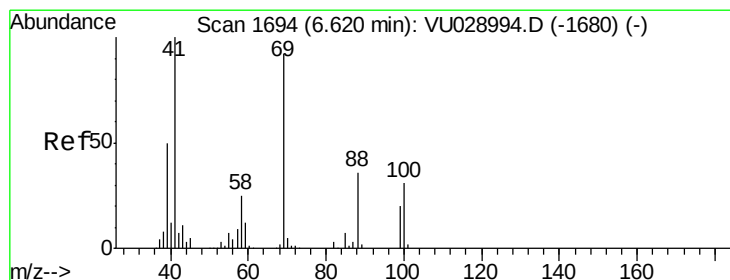
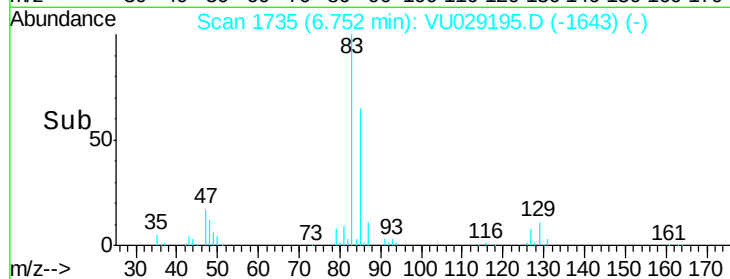
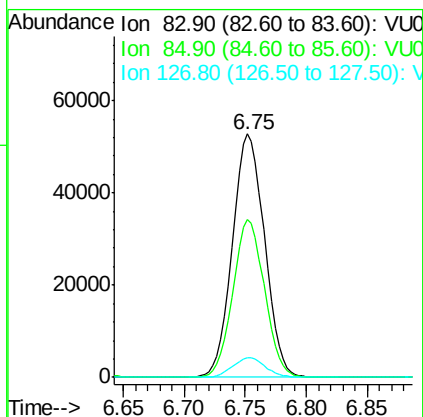
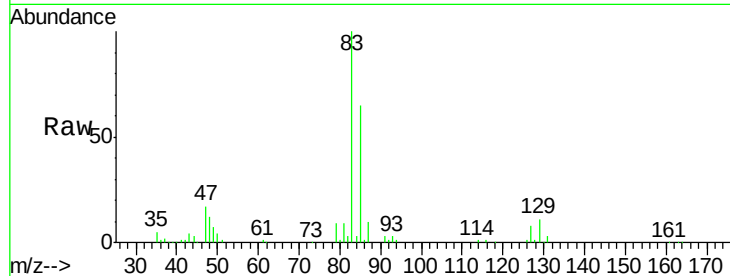




#47
 Bromodichloromethane
 Concen: 55.975 ug/l
 RT: 6.75 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: VU029195.D
 Acq: 16 Jan 2019 09:13

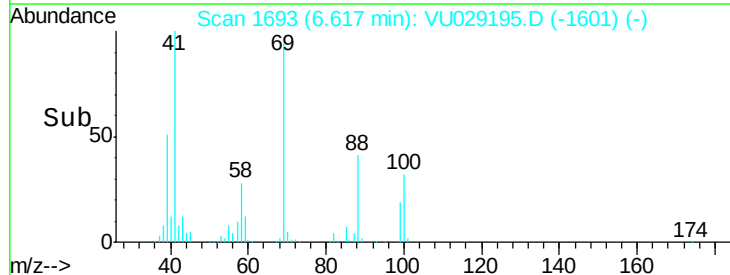
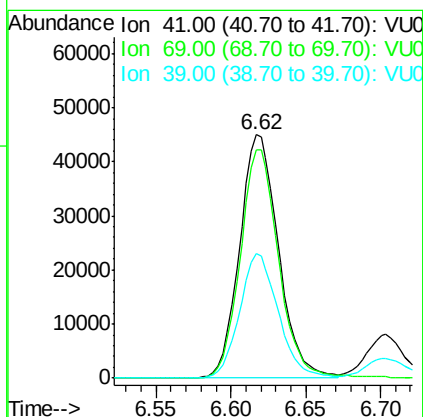
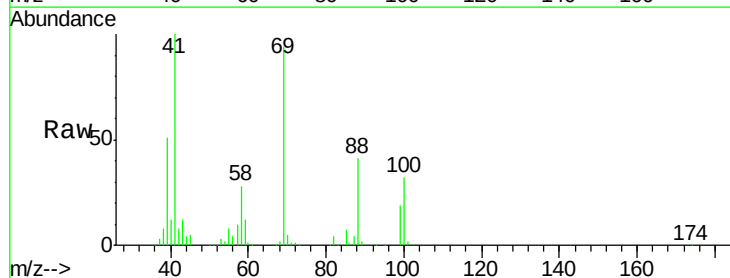
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

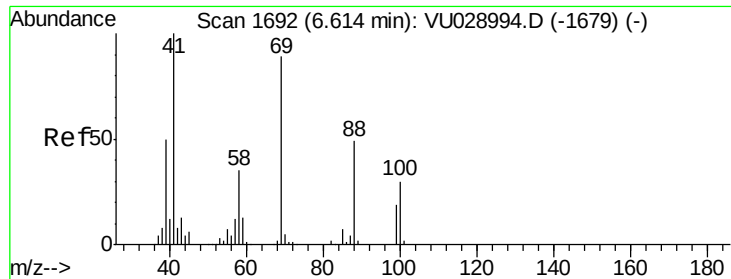
Tot Ion	83	Resp	96547
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.4	77.2
127	8.0	7.0	10.4



#48
 Methyl methacrylate
 Concen: 55.770 ug/l
 RT: 6.62 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VU029195.D
 Acq: 16 Jan 2019 09:13

Tgt Ion	41	Resp	81347
Ion Ratio	Lower	Upper	
41	100		
69	92.8	73.6	110.4
39	50.9	39.6	59.4

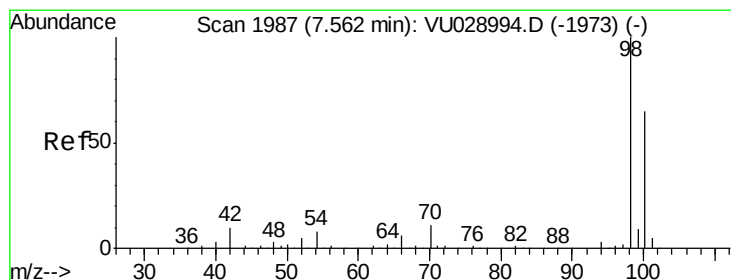
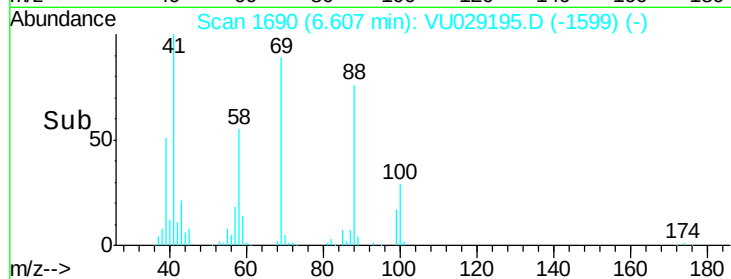
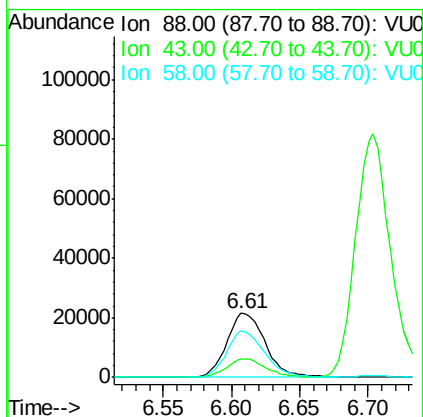
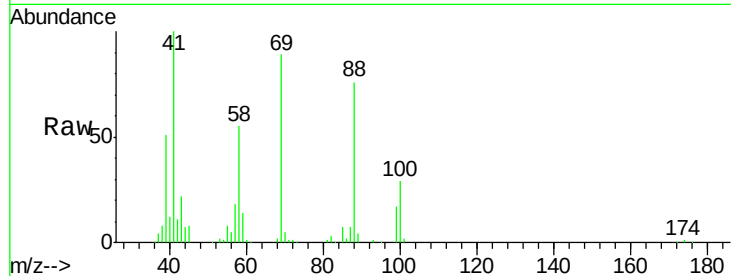




#49
1,4-Dioxane
Concen: 1197.091 ug/l
RT: 6.61 min Scan# 1690
Delta R.T. -0.01 min
Lab File: VU029195.D
Acq: 16 Jan 2019 09:13

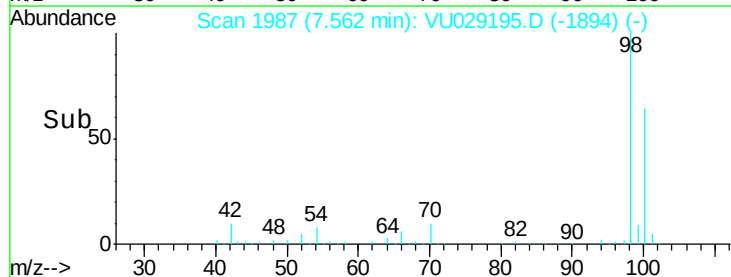
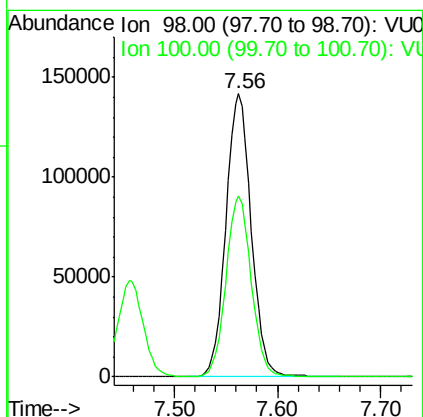
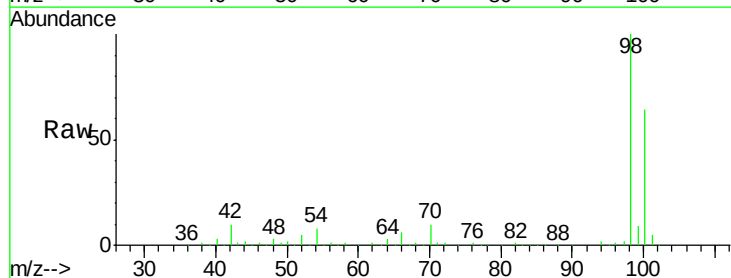
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

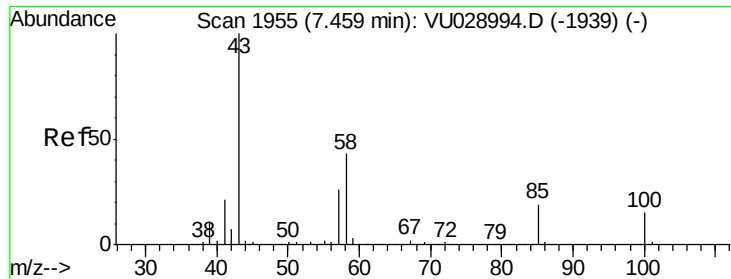
Tot Ion: 88 Resp: 41380
Ion Ratio Lower Upper
88 100
43 28.8 23.0 34.4
58 73.1 57.9 86.9



#50
Toluene-d8
Concen: 53.266 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029195.D
Acq: 16 Jan 2019 09:13

Tgt Ion: 98 Resp: 242622
Ion Ratio Lower Upper
98 100
100 63.1 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 274.764 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

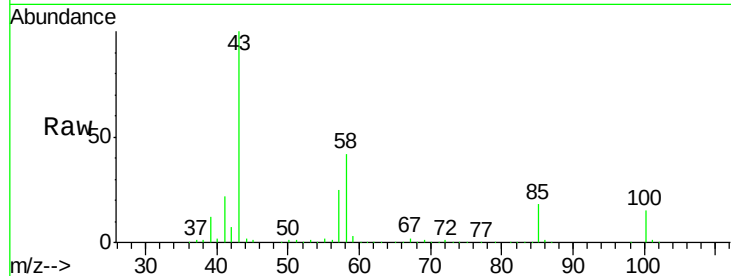
VSTDCCC050

Tot Ion: 43 Resp: 560152

Ion Ratio Lower Upper

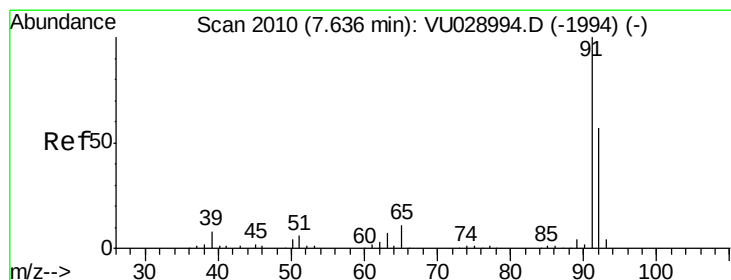
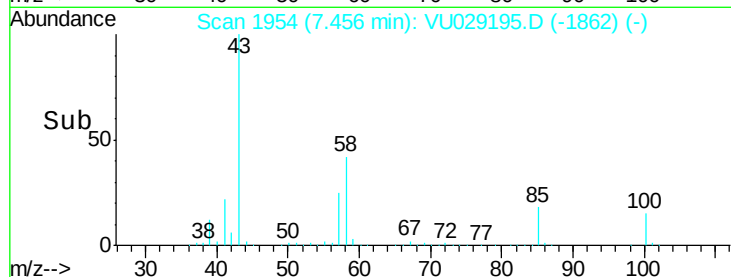
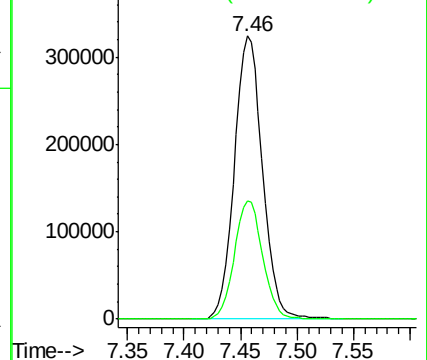
43 100

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: 52.469 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU029195.D

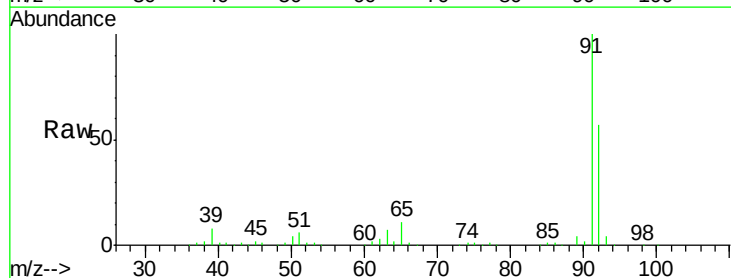
Acq: 16 Jan 2019 09:13

Tgt Ion: 92 Resp: 177257

Ion Ratio Lower Upper

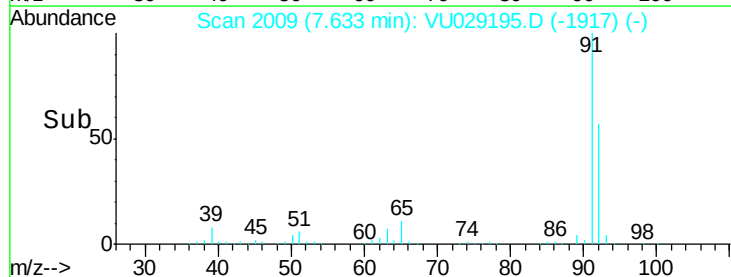
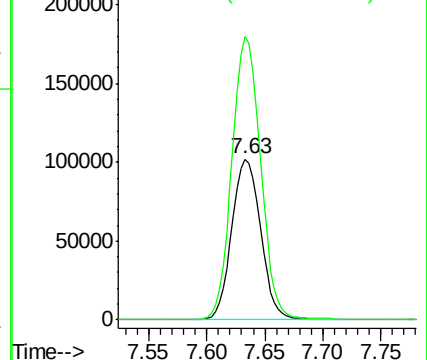
92 100

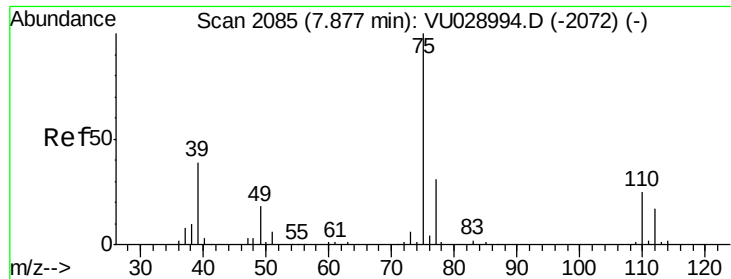
91 174.6 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

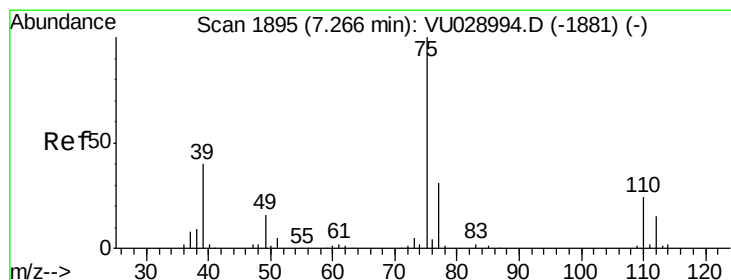
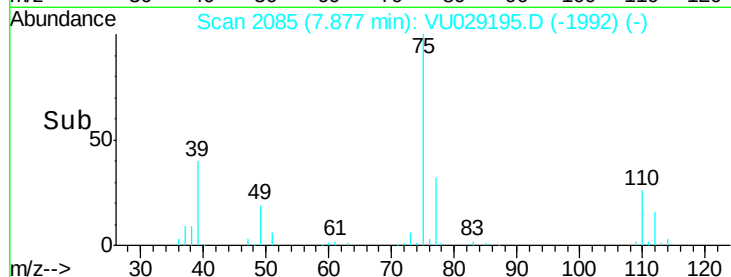
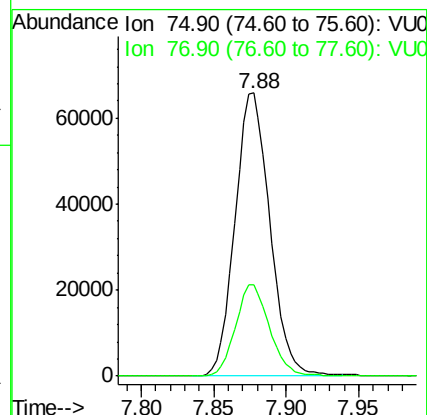
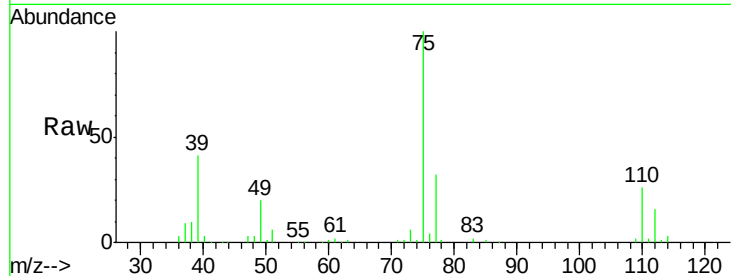




#53
 t-1,3-Dichloropropene
 Concen: 53.162 ug/l
 RT: 7.88 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VU029195.D
 Acq: 16 Jan 2019 09:13

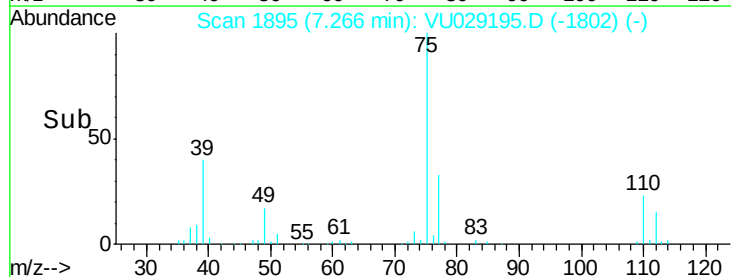
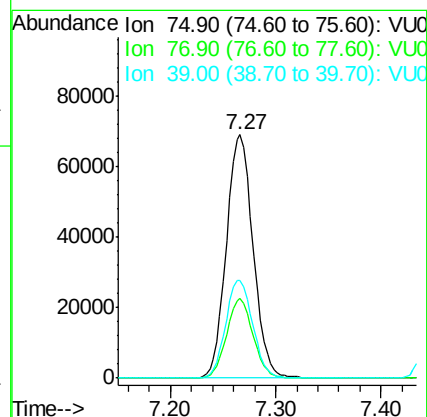
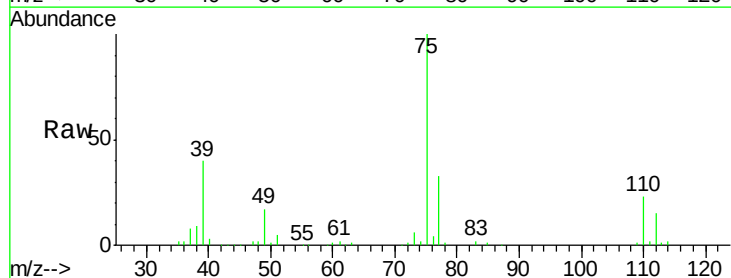
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

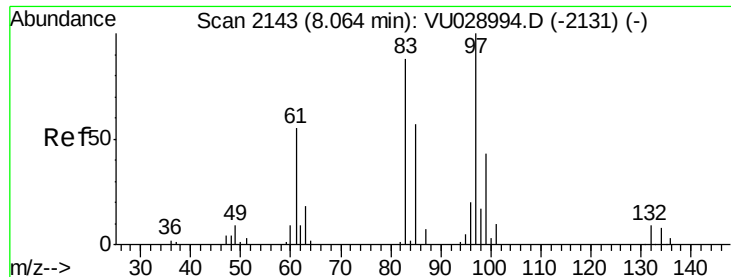
Tot Ion: 75 Resp: 110152
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 54.194 ug/l
 RT: 7.27 min Scan# 1895
 Delta R.T. 0.00 min
 Lab File: VU029195.D
 Acq: 16 Jan 2019 09:13

Tgt Ion: 75 Resp: 121336
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.0 37.6
 39 40.2 32.2 48.4

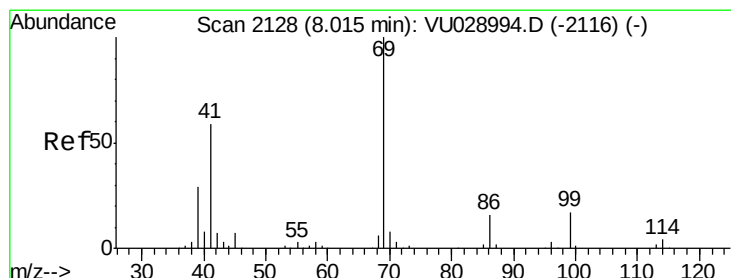
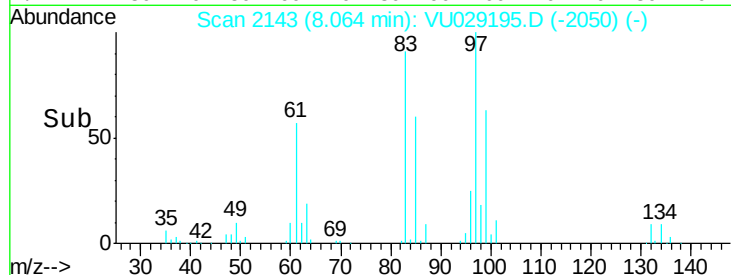
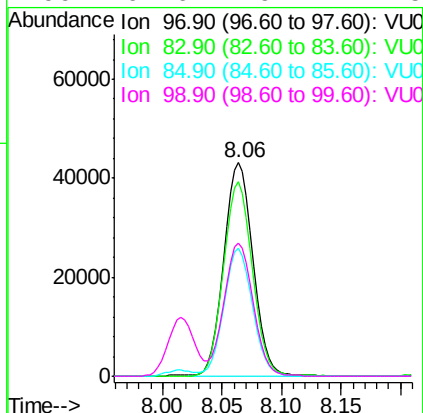
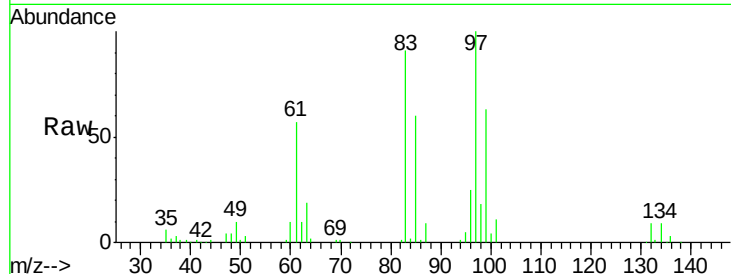




#55
 1,1,2-Trichloroethane
 Concen: 54.250 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029195.D
 Acq: 16 Jan 2019 09:13

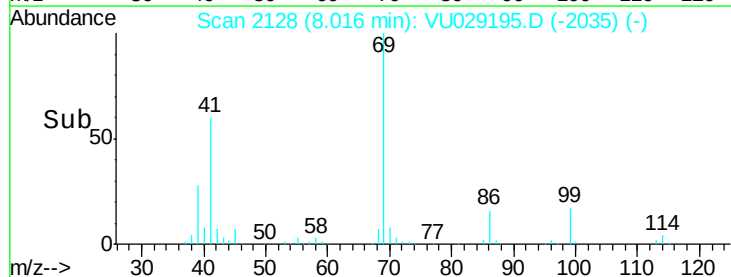
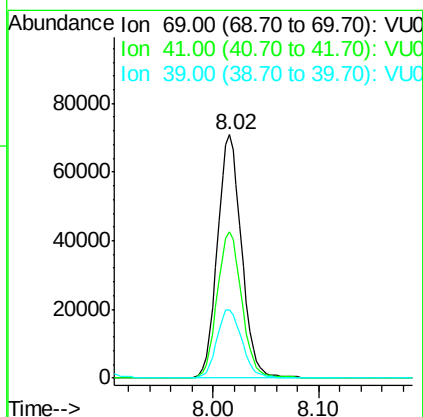
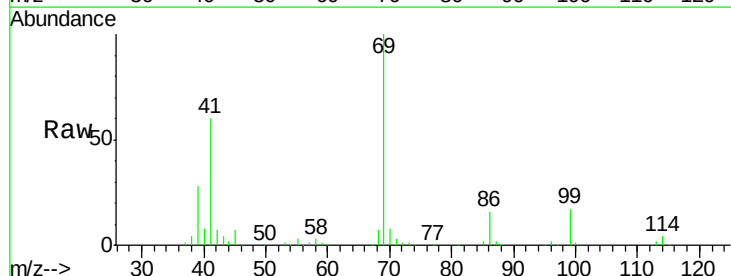
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

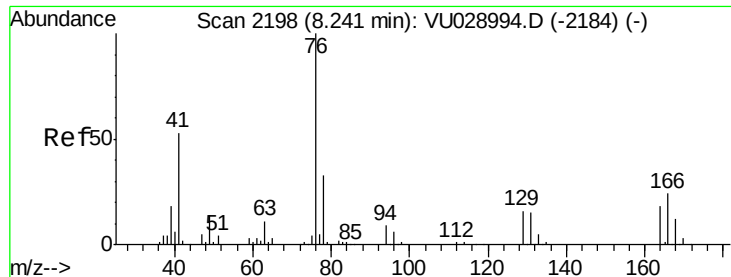
Tot Ion: 97 Resp: 73421
 Ion Ratio Lower Upper
 97 100
 83 90.9 69.8 104.8
 85 59.7 47.3 70.9
 99 62.6 49.7 74.5



#56
 Ethyl methacrylate
 Concen: 53.796 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029195.D
 Acq: 16 Jan 2019 09:13

Tgt Ion: 69 Resp: 112167
 Ion Ratio Lower Upper
 69 100
 41 61.7 47.5 71.3
 39 29.5 22.5 33.7

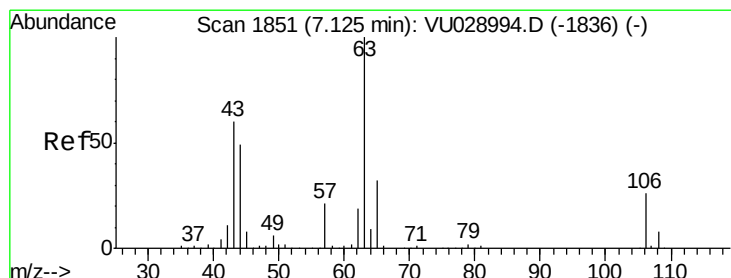
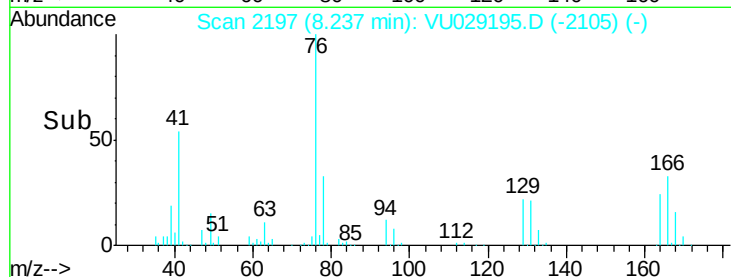
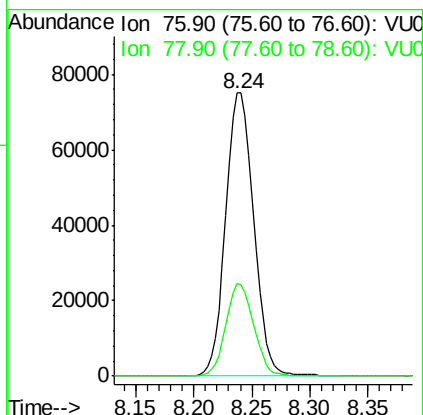
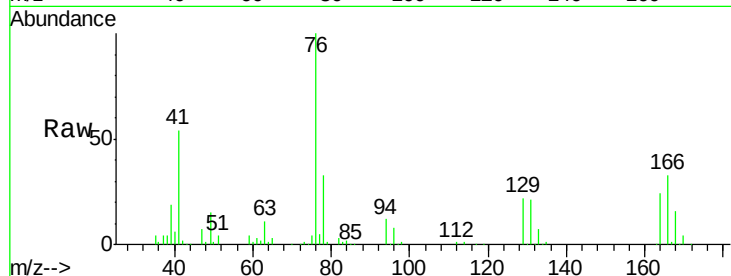




#57
 1,3-Dichloropropane
 Concen: 54.342 ug/l
 RT: 8.24 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU029195.D
 Acq: 16 Jan 2019 09:13

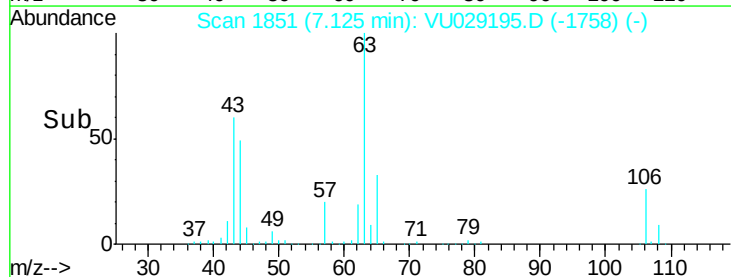
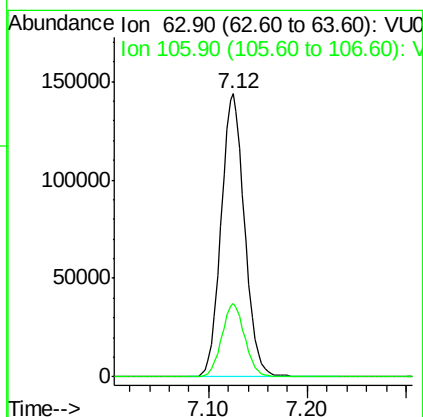
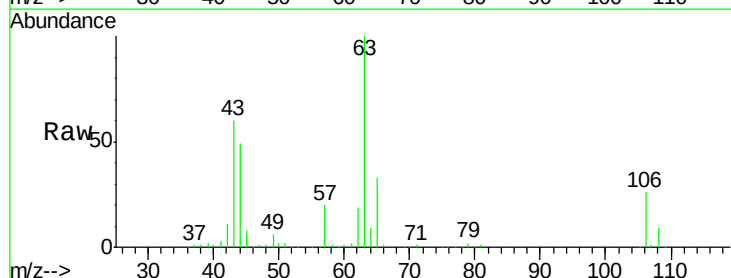
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

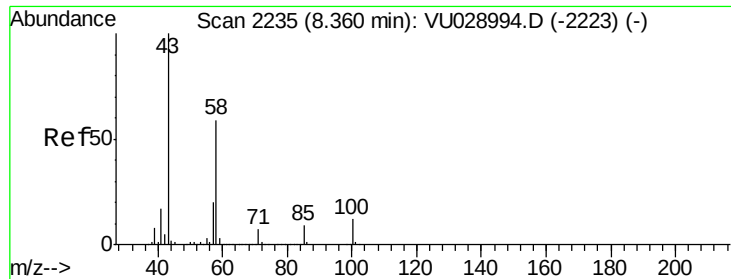
Tot Ion: 76 Resp: 125845
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 262.293 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU029195.D
 Acq: 16 Jan 2019 09:13

Tgt Ion: 63 Resp: 240514
 Ion Ratio Lower Upper
 63 100
 106 25.5 20.6 31.0

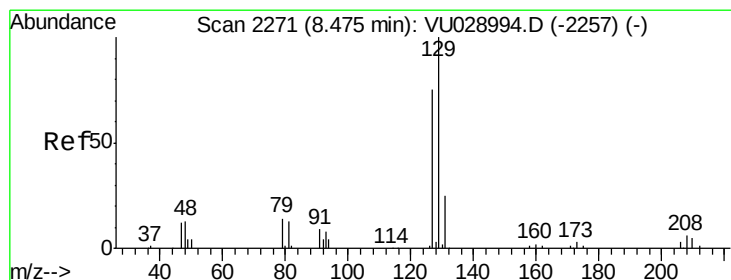
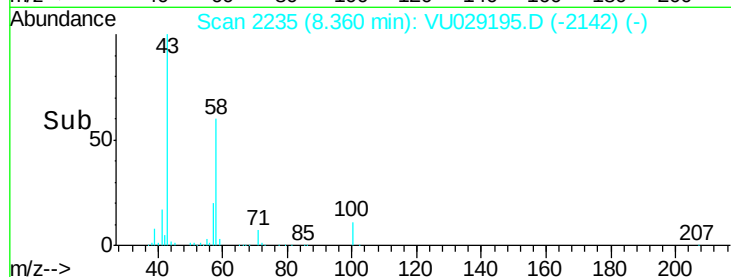
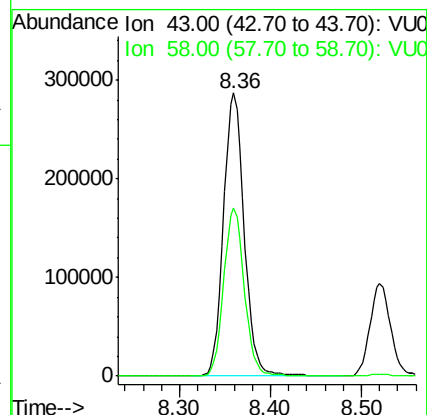
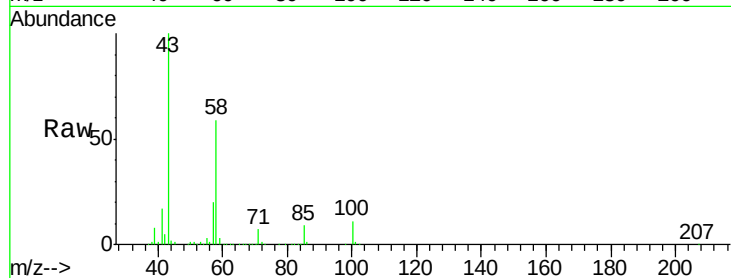




#59
2-Hexanone
Concen: 284.629 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029195.D
Acq: 16 Jan 2019 09:13

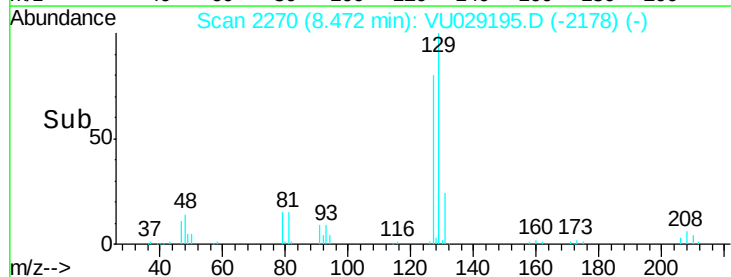
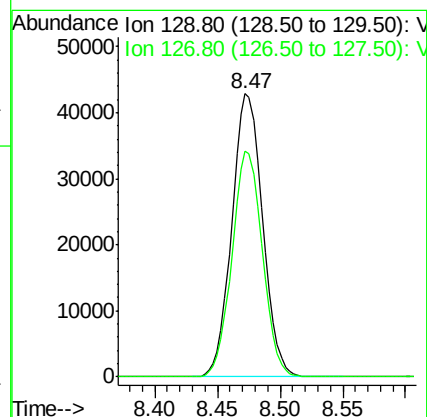
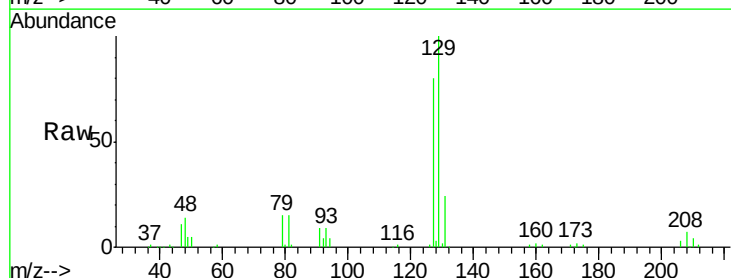
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

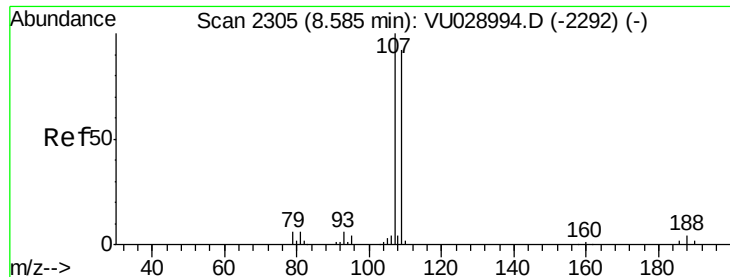
Tot Ion: 43 Resp: 455486
Ion Ratio Lower Upper
43 100
58 59.0 29.8 89.4



#60
Dibromochloromethane
Concen: 54.559 ug/l
RT: 8.47 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VU029195.D
Acq: 16 Jan 2019 09:13

Tgt Ion:129 Resp: 73154
Ion Ratio Lower Upper
129 100
127 78.7 38.0 114.0





#61

1,2-Dibromoethane

Concen: 52.730 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

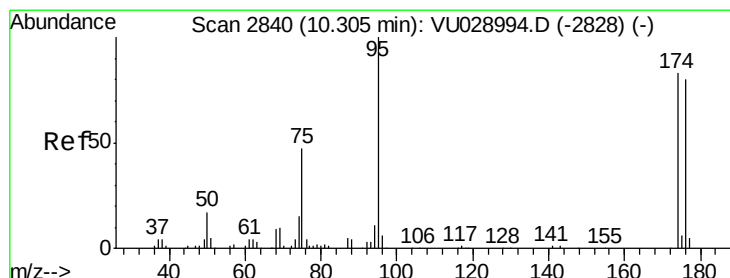
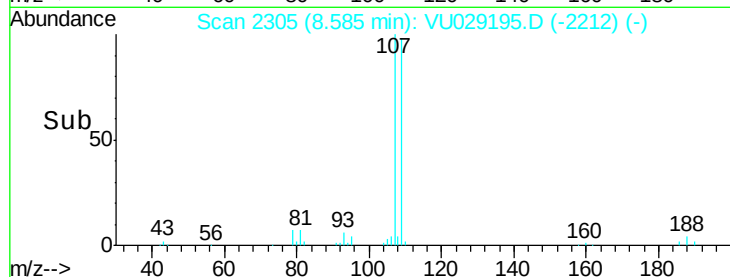
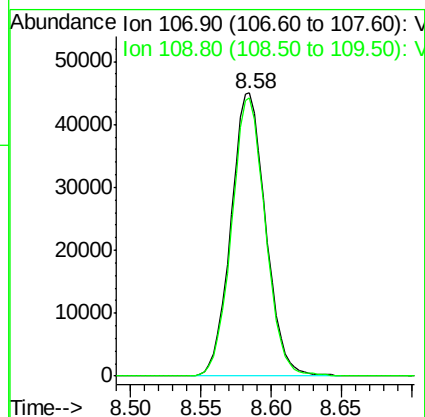
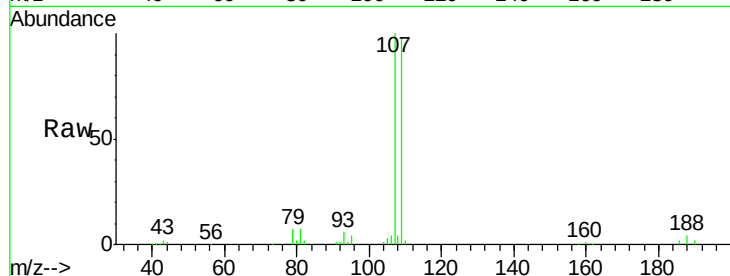
VSTDCCC050

Tot Ion:107 Resp: 77398

Ion Ratio Lower Upper

107 100

109 95.7 75.5 113.3



#62

4-Bromofluorobenzene

Concen: 54.045 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

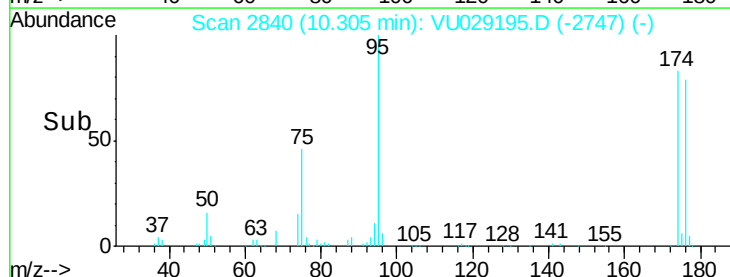
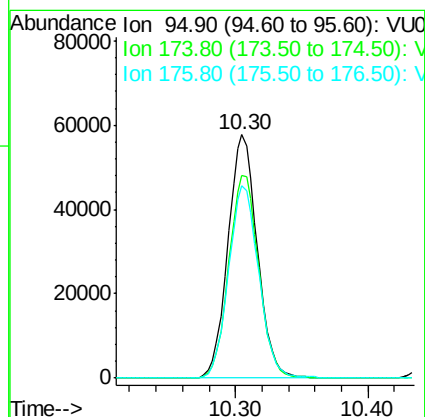
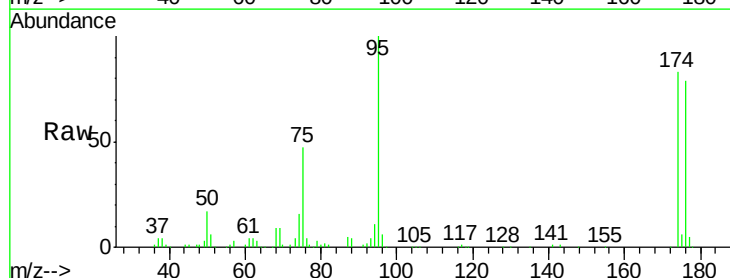
Tgt Ion: 95 Resp: 88469

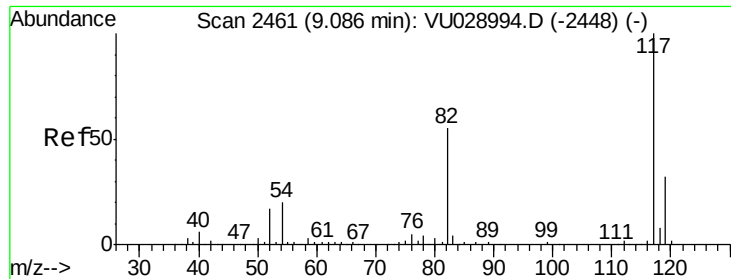
Ion Ratio Lower Upper

95 100

174 85.3 0.0 170.6

176 81.5 0.0 165.0

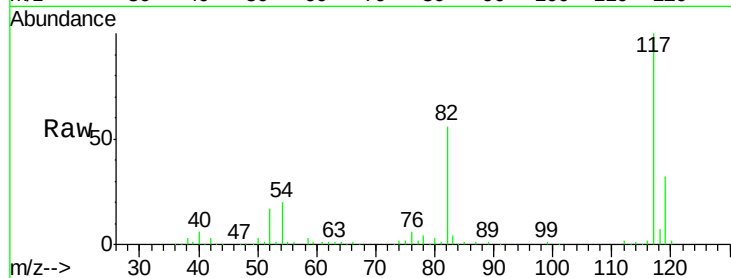




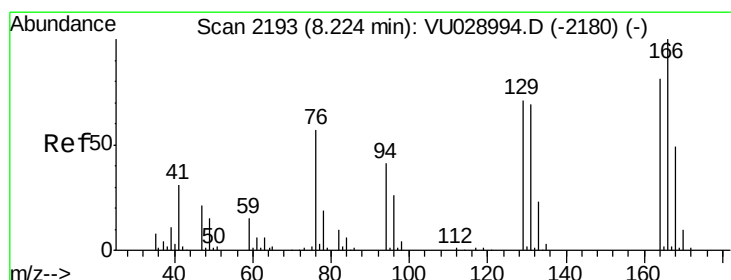
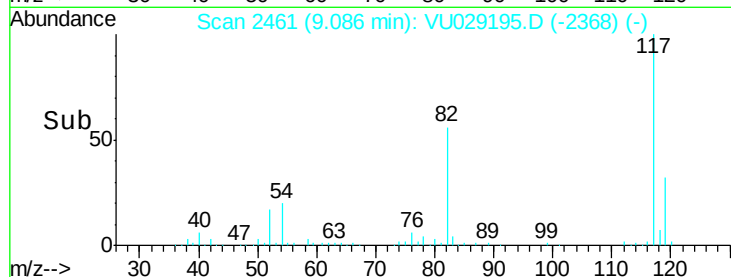
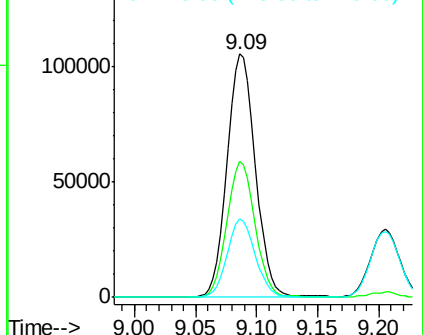
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029195.D
Acq: 16 Jan 2019 09:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 172202
Ion Ratio Lower Upper
117 100
82 55.6 43.9 65.9
119 32.3 26.0 39.0

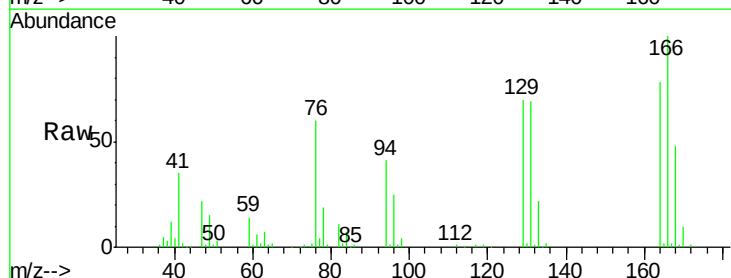


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

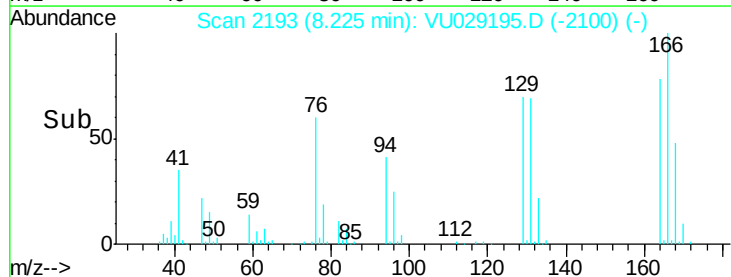
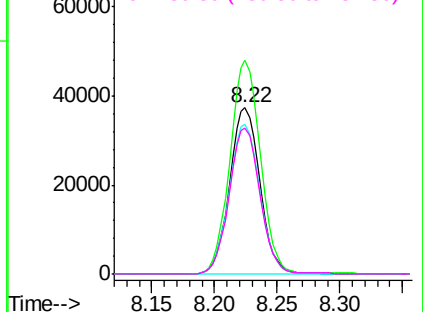


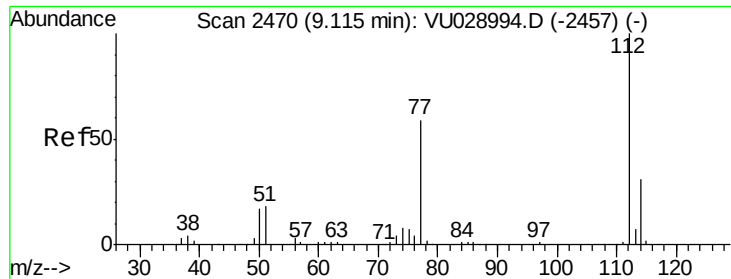
#64
Tetrachloroethene
Concen: 50.594 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029195.D
Acq: 16 Jan 2019 09:13

Tgt Ion:164 Resp: 62760
Ion Ratio Lower Upper
164 100
166 128.8 99.4 149.0
129 90.4 70.5 105.7
131 88.2 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: 50.361 ug/l

RT: 9.12 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

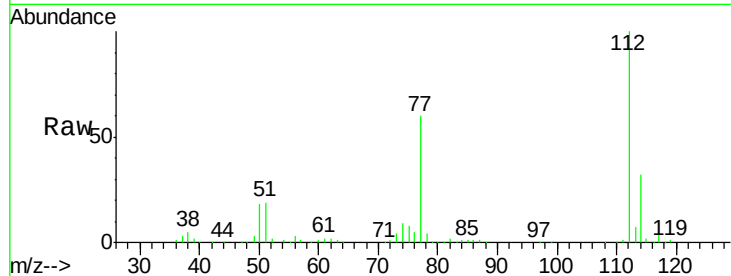
VSTDCCC050

Tot Ion:112 Resp: 194391

Ion Ratio Lower Upper

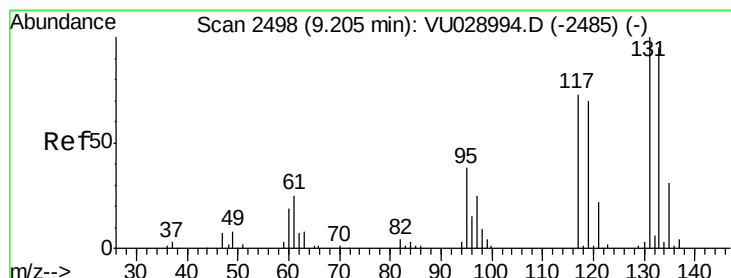
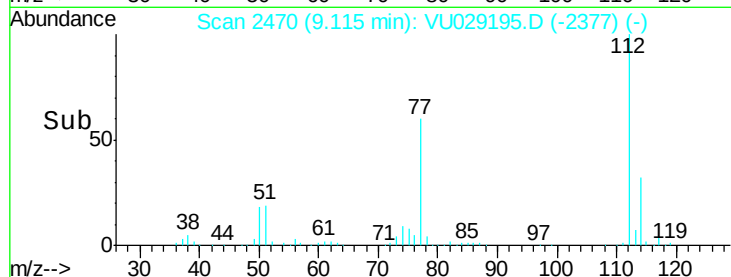
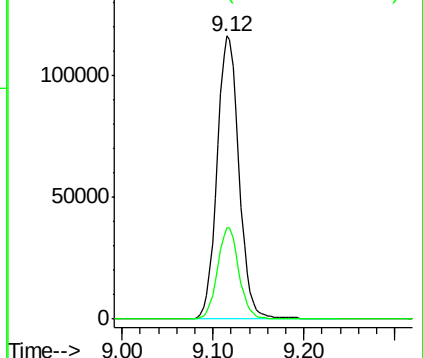
112 100

114 32.4 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: 53.832 ug/l

RT: 9.21 min Scan# 2498

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

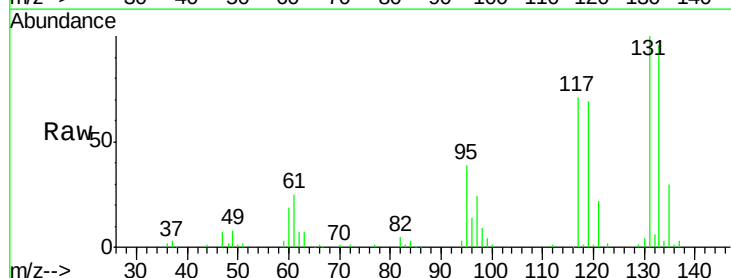
Tgt Ion:131 Resp: 67433

Ion Ratio Lower Upper

131 100

133 96.4 48.2 144.6

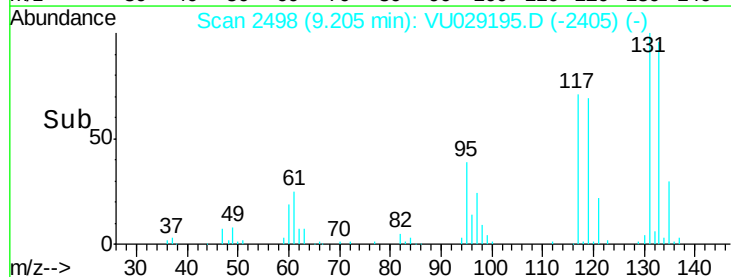
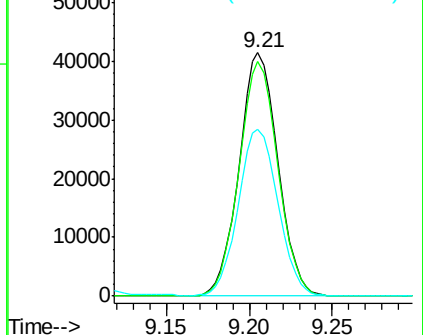
119 70.4 35.4 106.3

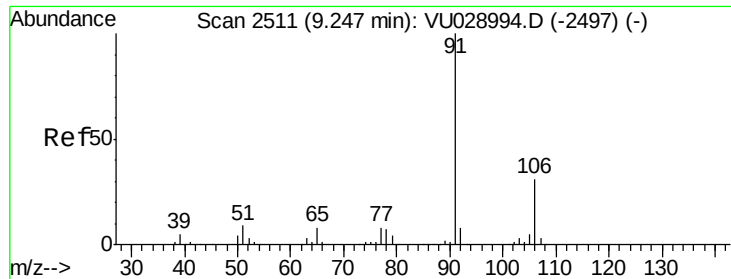


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

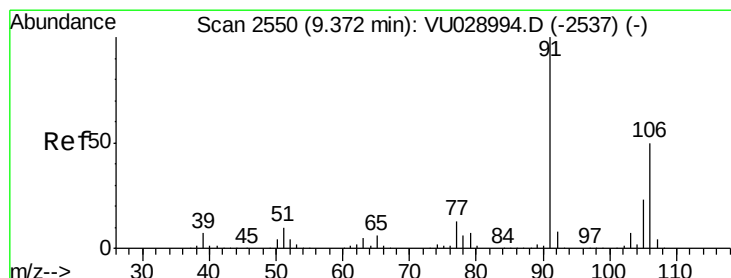
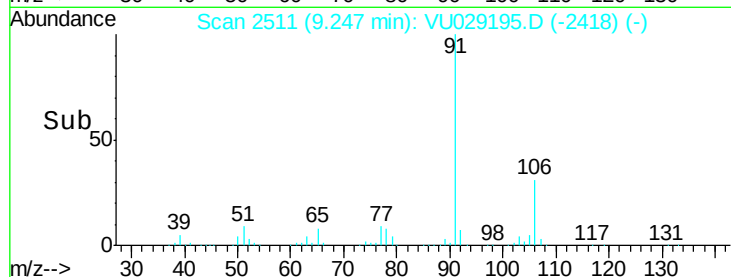
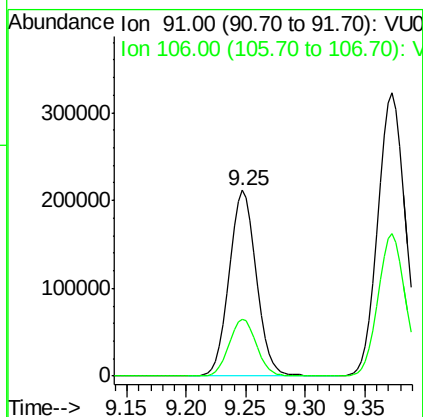
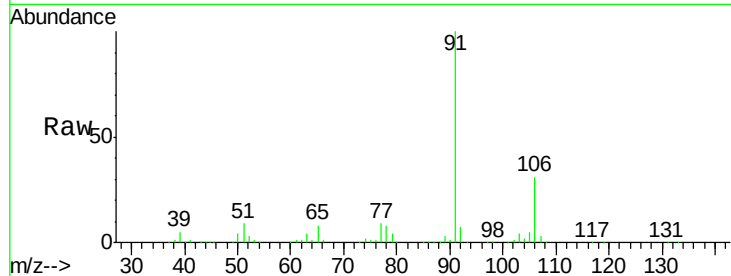




#67
Ethyl Benzene
Concen: 52.163 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029195.D
Acq: 16 Jan 2019 09:13

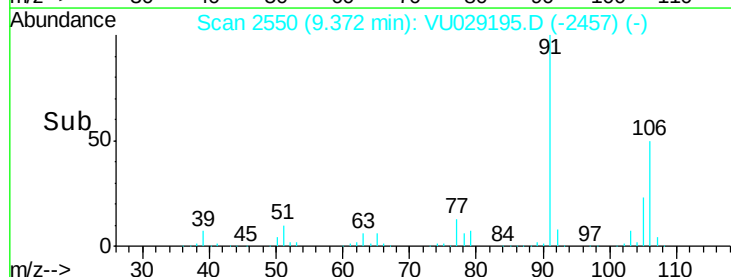
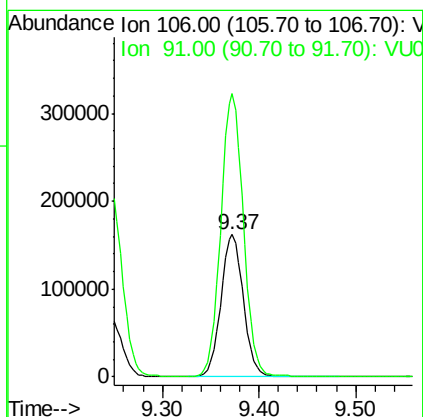
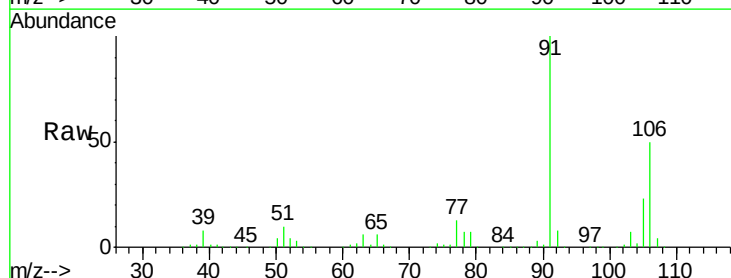
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

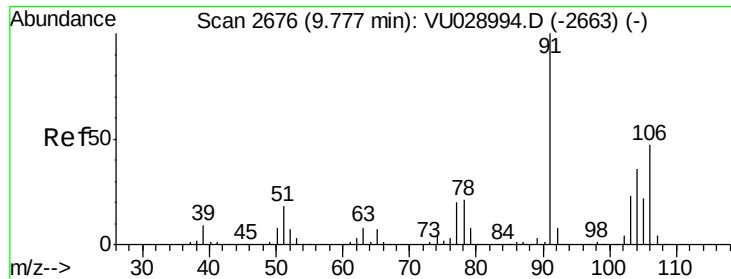
Tot Ion: 91 Resp: 336160
Ion Ratio Lower Upper
91 100
106 30.8 25.0 37.4



#68
m/p-Xylenes
Concen: 104.210 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029195.D
Acq: 16 Jan 2019 09:13

Tgt Ion: 106 Resp: 260939
Ion Ratio Lower Upper
106 100
91 200.5 161.7 242.5

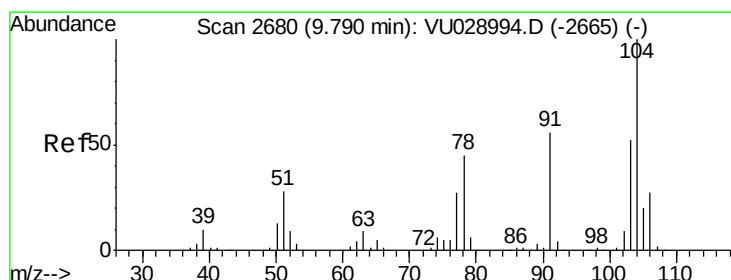
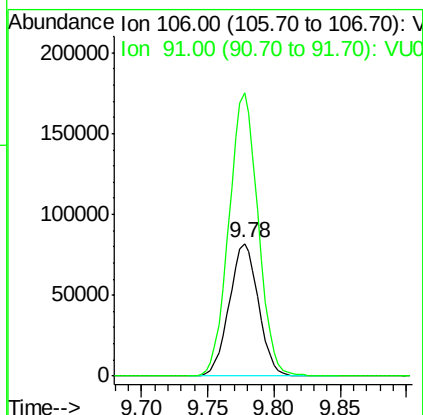
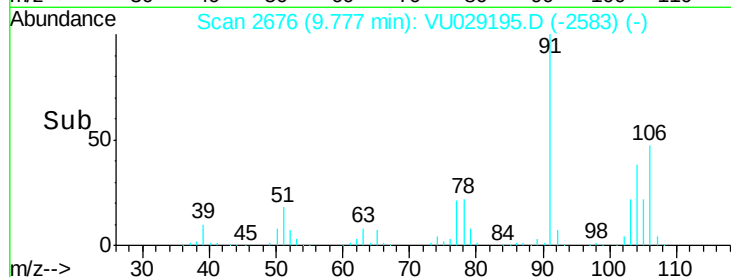
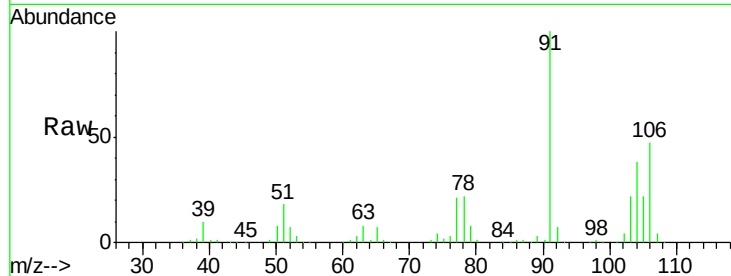




#69
o-Xylene
Concen: 52.076 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029195.D
Acq: 16 Jan 2019 09:13

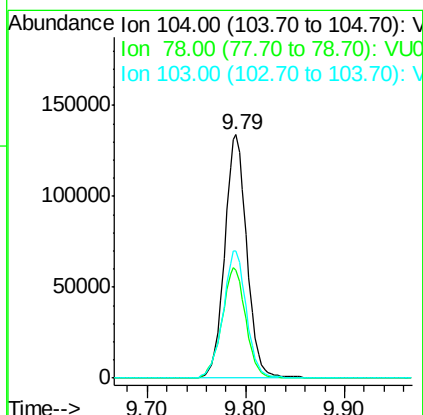
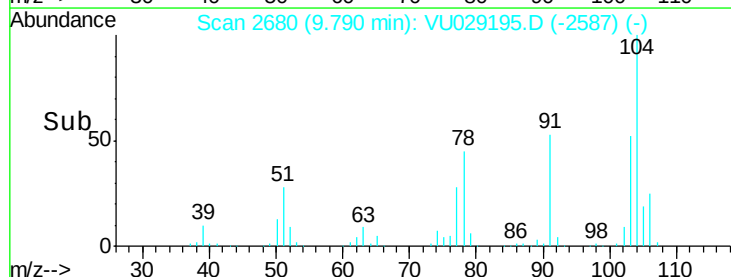
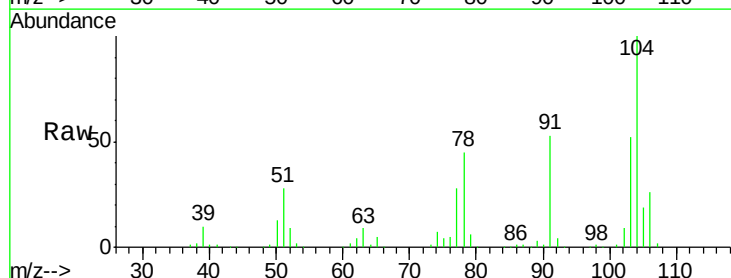
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

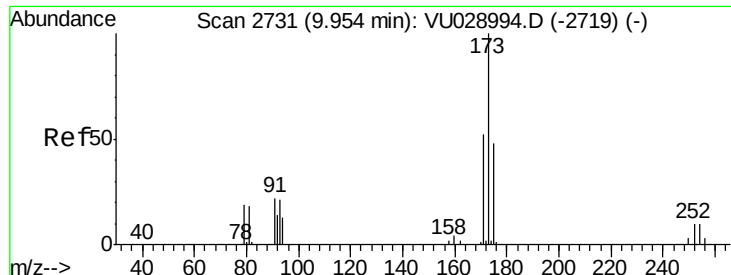
Tot Ion:106 Resp: 125643
Ion Ratio Lower Upper
106 100
91 213.9 106.1 318.3



#70
Styrene
Concen: 53.569 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029195.D
Acq: 16 Jan 2019 09:13

Tgt Ion:104 Resp: 211875
Ion Ratio Lower Upper
104 100
78 48.6 38.6 58.0
103 55.0 44.5 66.7





#71

Bromoform

Concen: 52.815 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

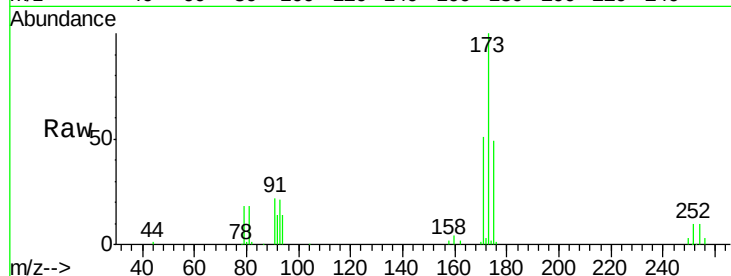
Tot Ion:173 Resp: 58908

Ion Ratio Lower Upper

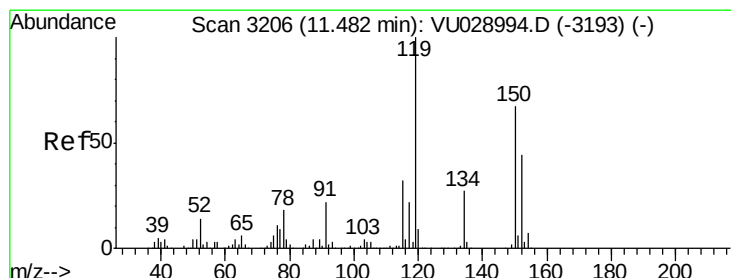
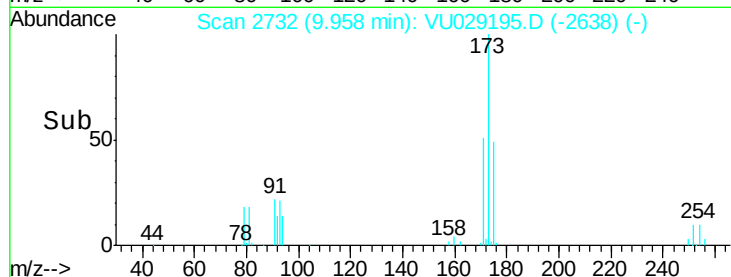
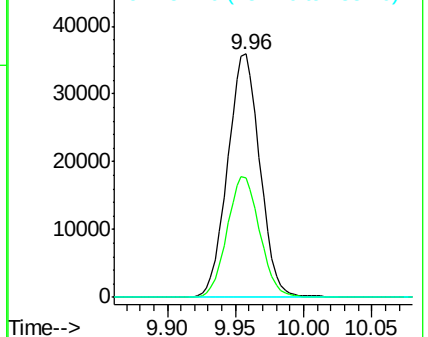
173 100

175 50.0 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: VU029195.D

Acq: 16 Jan 2019 09:13

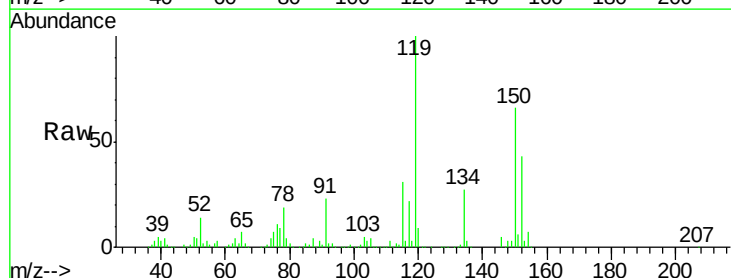
Tgt Ion:152 Resp: 92013

Ion Ratio Lower Upper

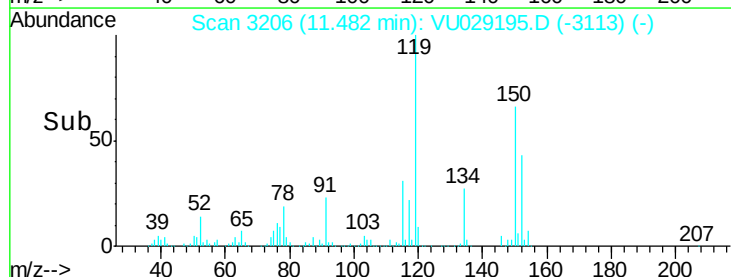
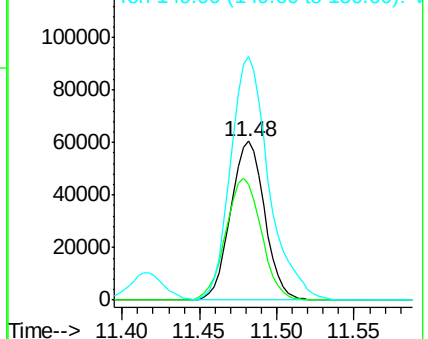
152 100

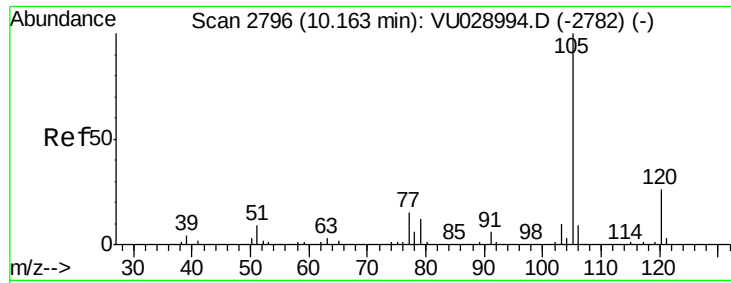
115 80.3 40.1 120.3

150 172.5 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: 48.610 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

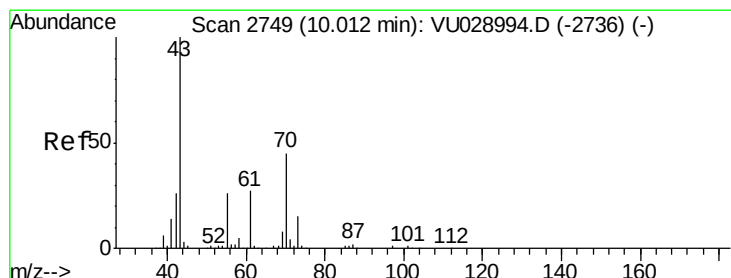
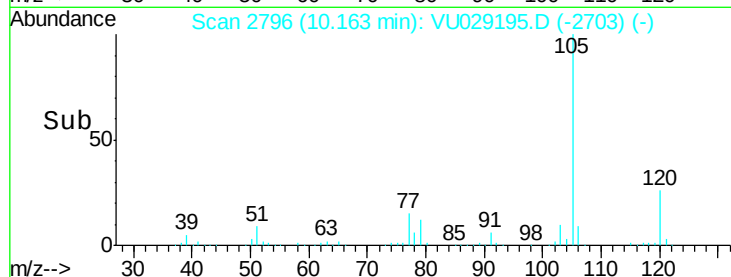
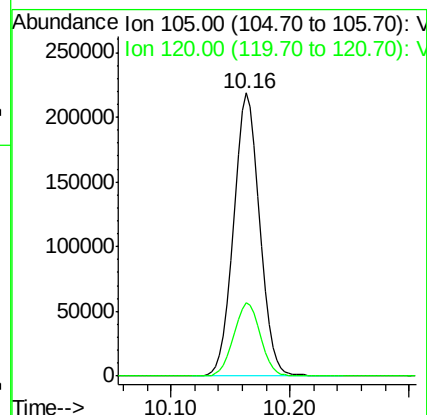
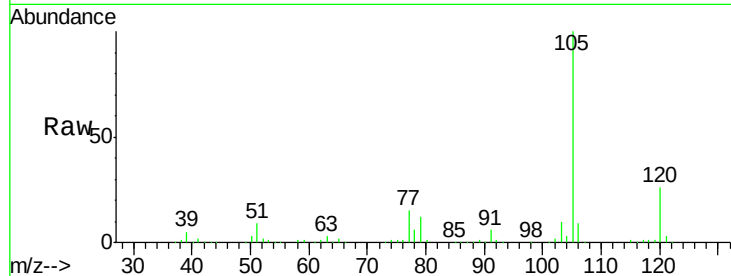
VSTDCCC050

Tot Ion:105 Resp: 331063

Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.5



#74

N-ethyl acetate

Concen: 49.113 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Tgt Ion: 43 Resp: 144136

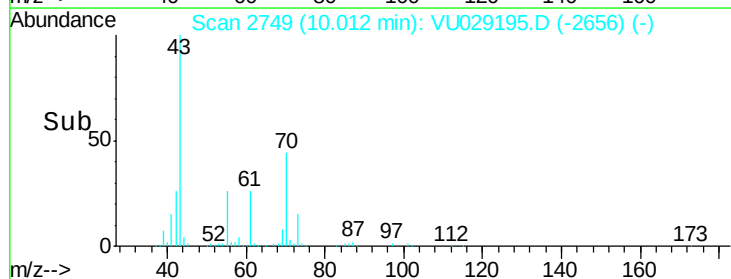
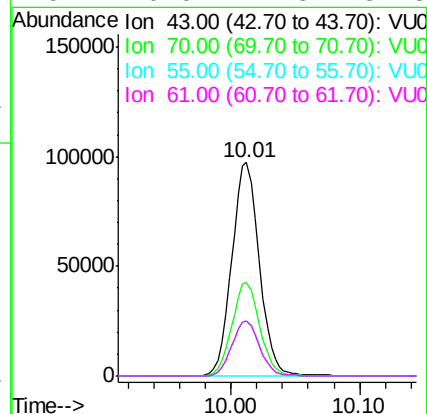
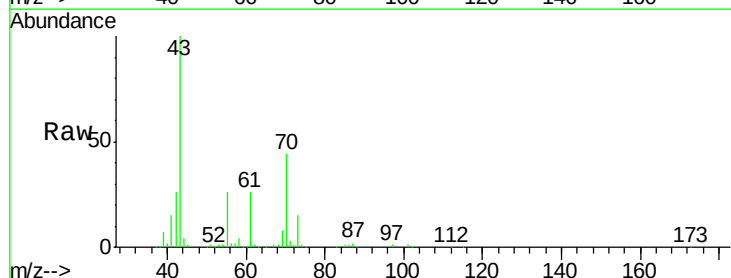
Ion Ratio Lower Upper

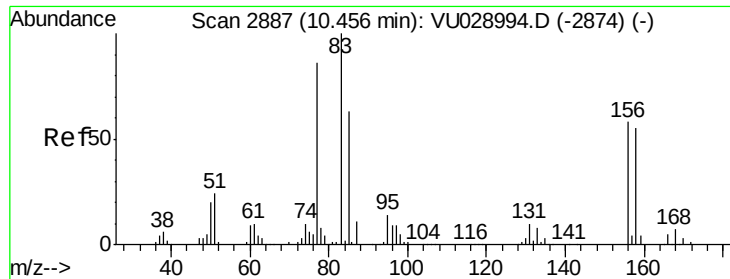
43 100

70 44.3 36.3 54.5

55 26.1 20.5 30.7

61 26.0 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 48.273 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

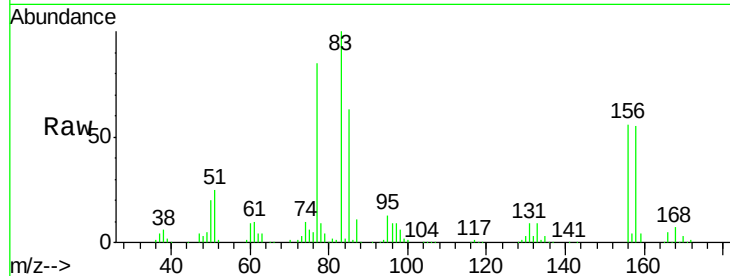
Tot Ion: 83 Resp: 131764

Ion Ratio Lower Upper

83 100

131 8.9 4.7 14.1

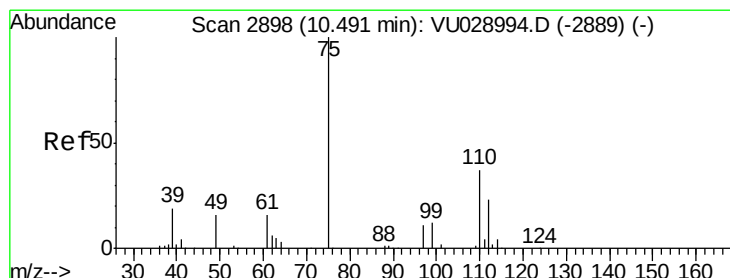
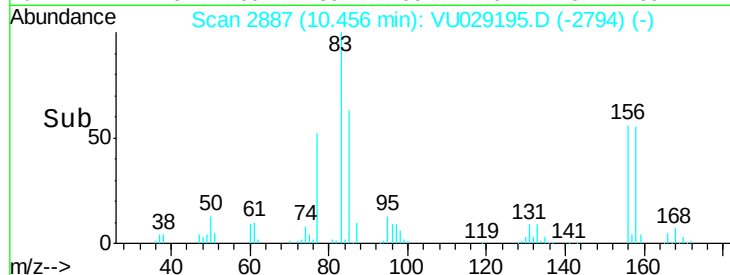
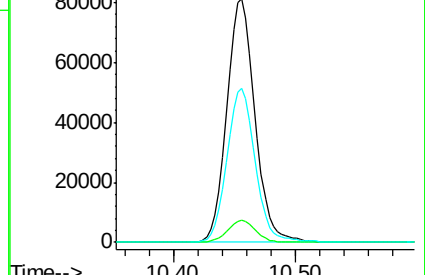
85 63.7 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 67.209 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029195.D

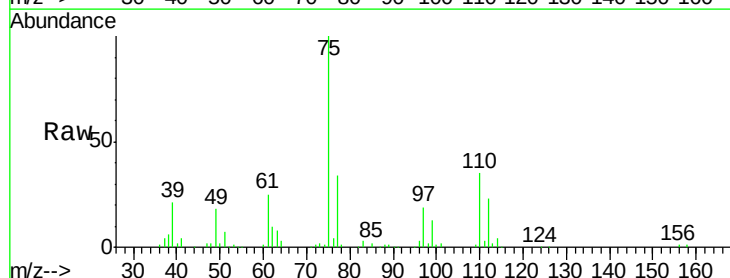
Acq: 16 Jan 2019 09:13

Tgt Ion: 75 Resp: 151520

Ion Ratio Lower Upper

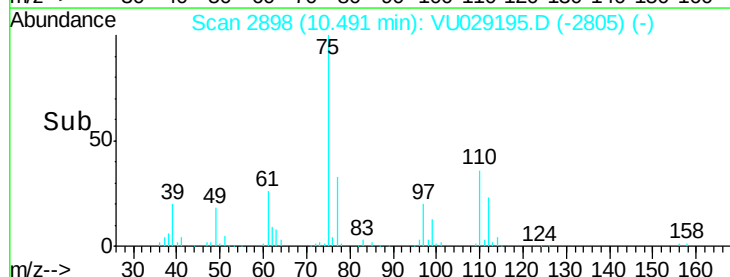
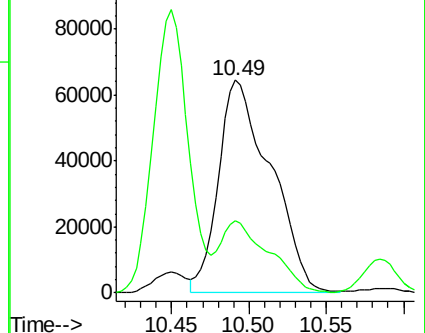
75 100

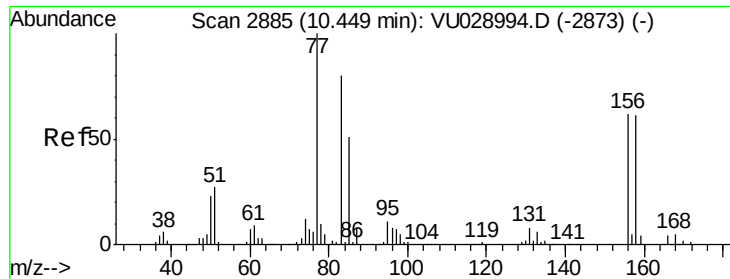
77 31.8 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 47.490 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

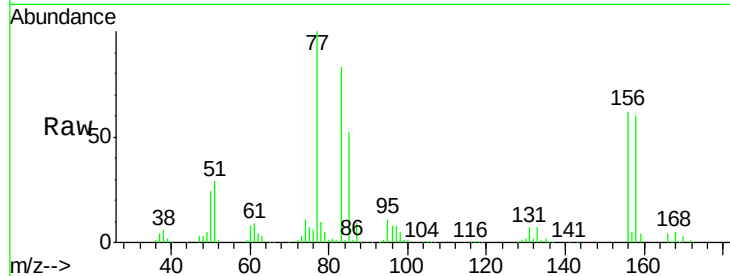
Tot Ion:156 Resp: 84286

Ion Ratio Lower Upper

156 100

77 161.1 79.0 237.2

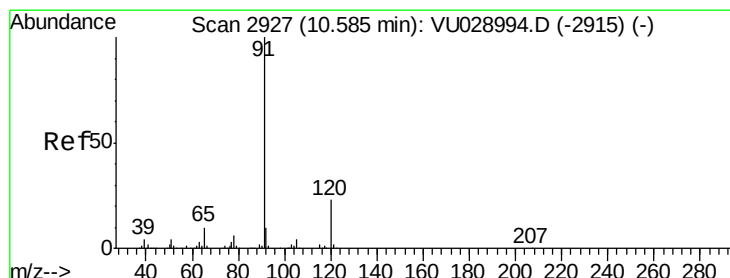
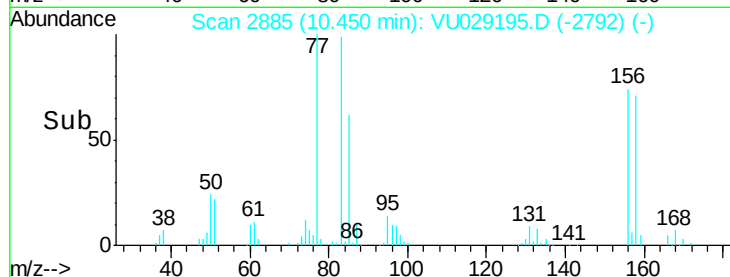
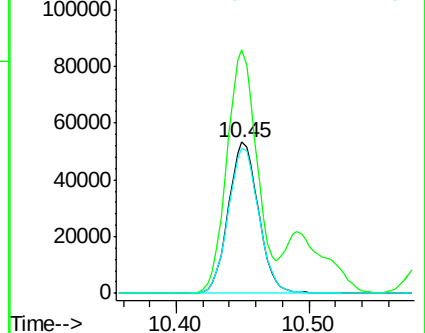
158 97.1 48.9 146.6



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: 50.491 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029195.D

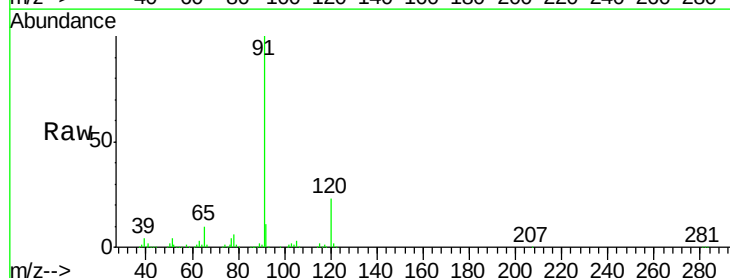
Acq: 16 Jan 2019 09:13

Tgt Ion: 91 Resp: 405244

Ion Ratio Lower Upper

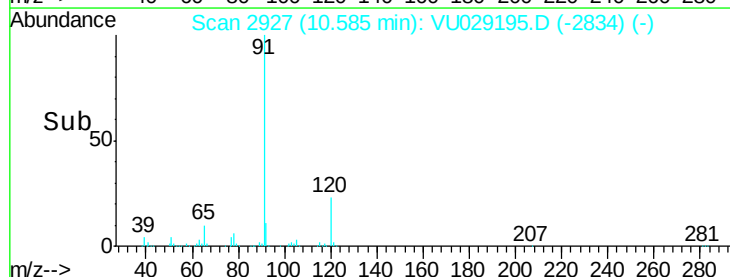
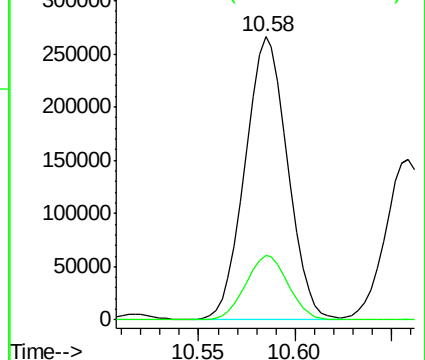
91 100

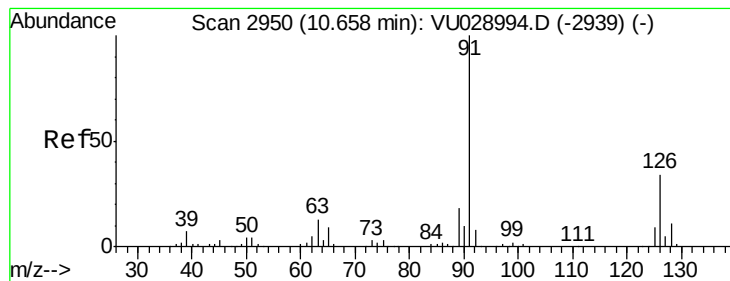
120 22.9 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.104 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

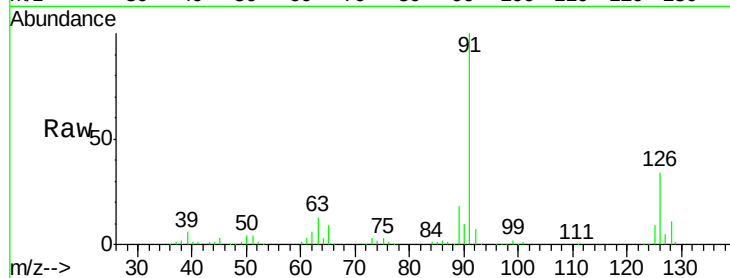
VSTDCCC050

Tot Ion: 91 Resp: 234205

Ion Ratio Lower Upper

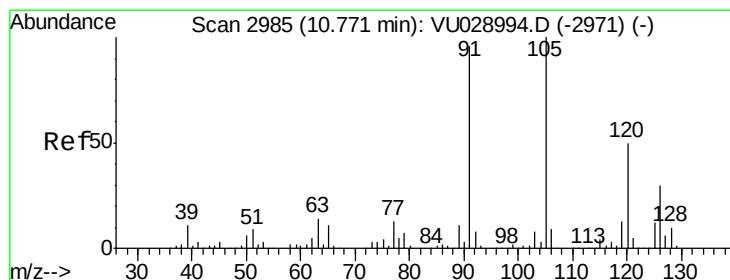
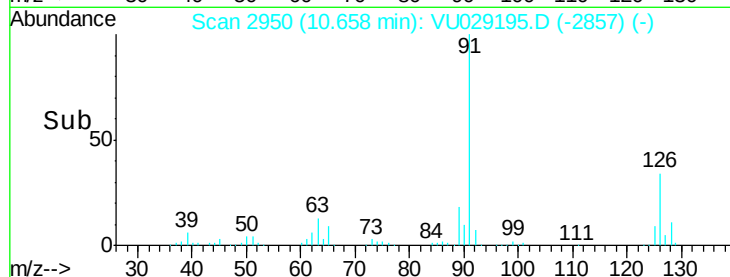
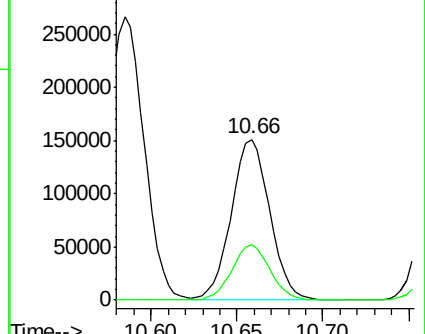
91 100

126 34.5 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.982 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029195.D

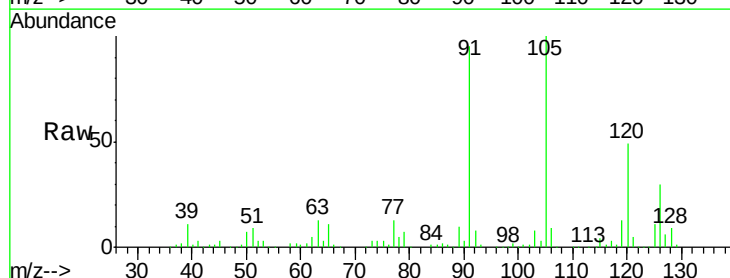
Acq: 16 Jan 2019 09:13

Tgt Ion: 105 Resp: 284266

Ion Ratio Lower Upper

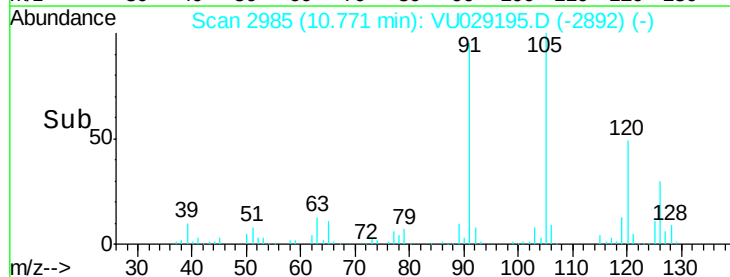
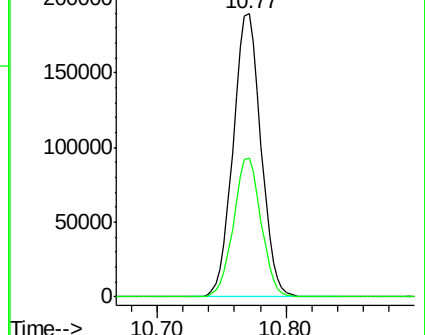
105 100

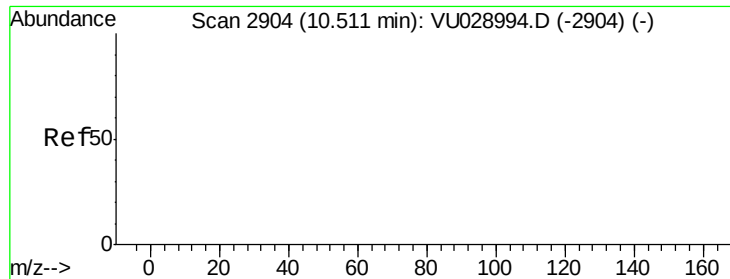
120 48.7 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 173.335 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

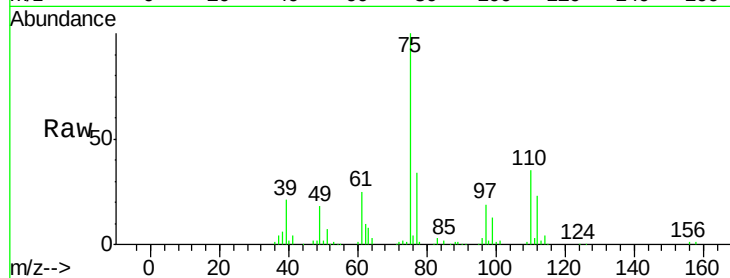
Tot Ion: 75 Resp: 151520

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

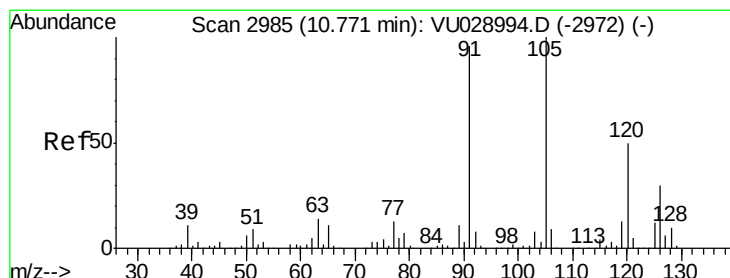
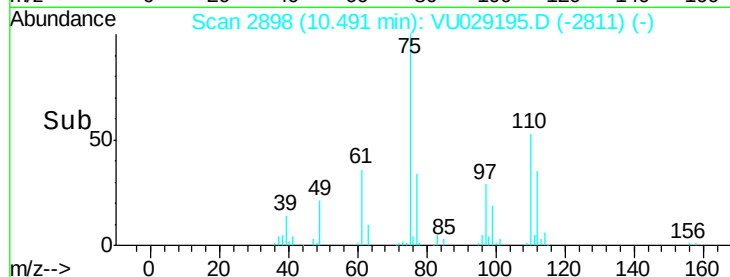
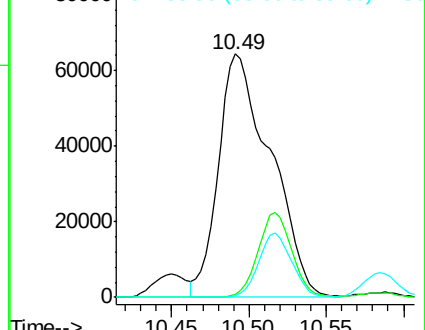
89 0.0 0.0 0.0



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: 49.327 ug/l

RT: 10.77 min Scan# 2984

Delta R.T. -0.00 min

Lab File: VU029195.D

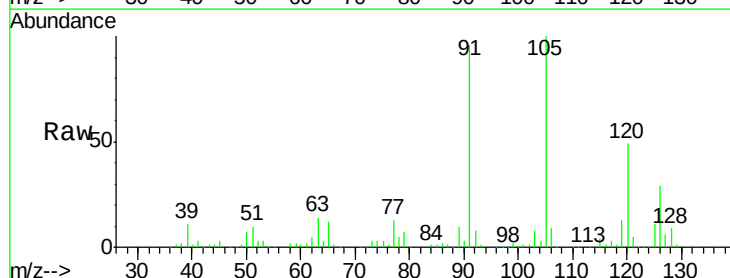
Acq: 16 Jan 2019 09:13

Tgt Ion: 91 Resp: 275385

Ion Ratio Lower Upper

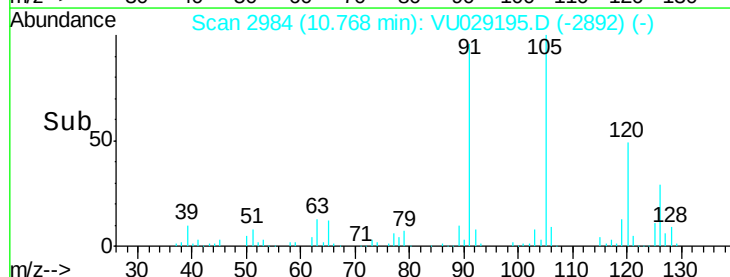
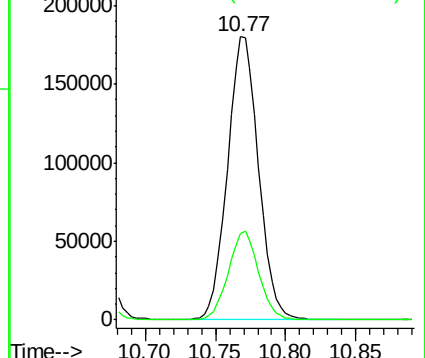
91 100

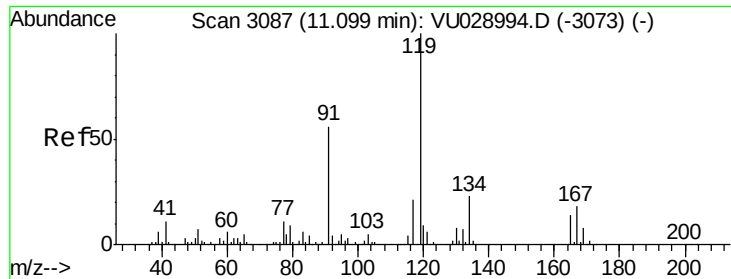
126 31.0 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

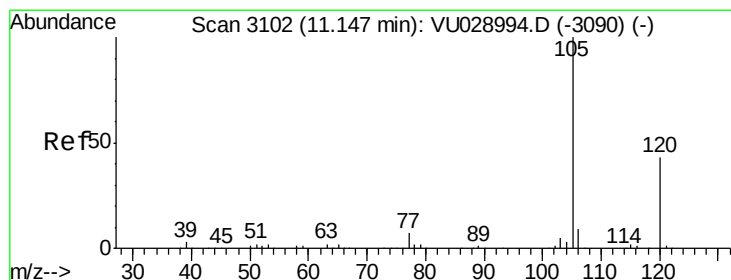
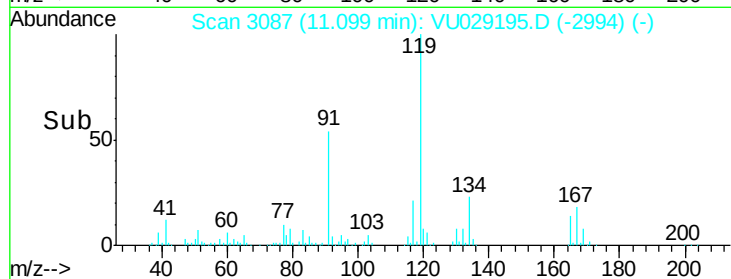
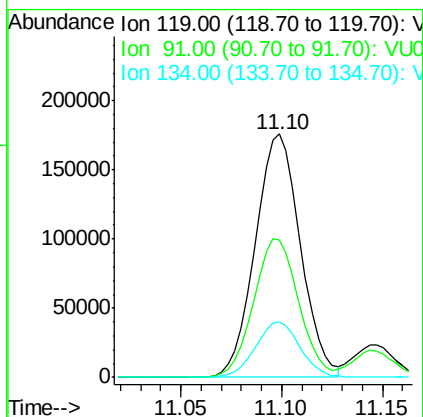
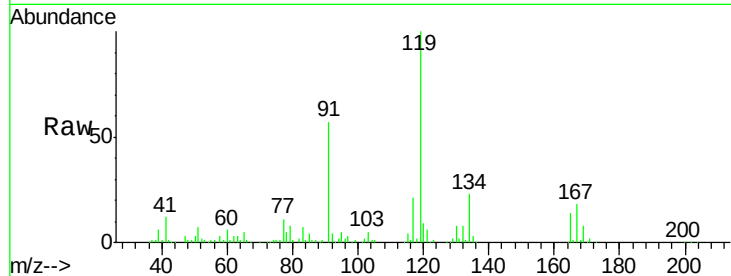




#83
 tert-Butylbenzene
 Concen: 49.061 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU029195.D
 Acq: 16 Jan 2019 09:13

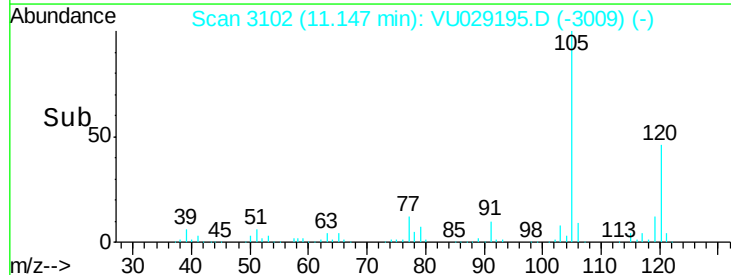
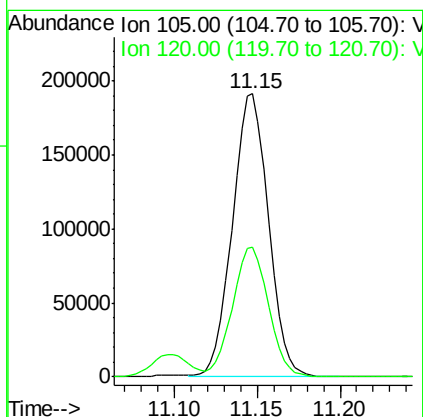
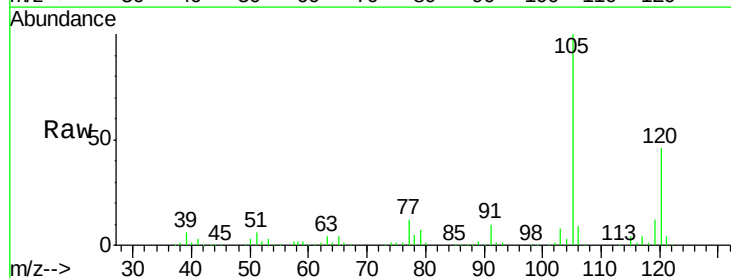
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

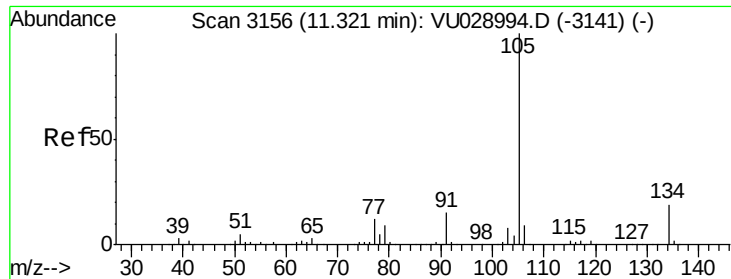
Tot Ion:119 Resp: 275018
 Ion Ratio Lower Upper
 119 100
 91 56.7 28.2 84.6
 134 22.5 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 50.746 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU029195.D
 Acq: 16 Jan 2019 09:13

Tgt Ion:105 Resp: 288151
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.1 69.3





#85

sec-Butylbenzene

Concen: 51.331 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

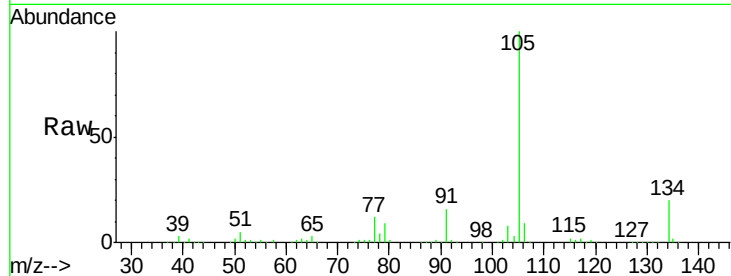
VSTDCCC050

Tot Ion:105 Resp: 347995

Ion Ratio Lower Upper

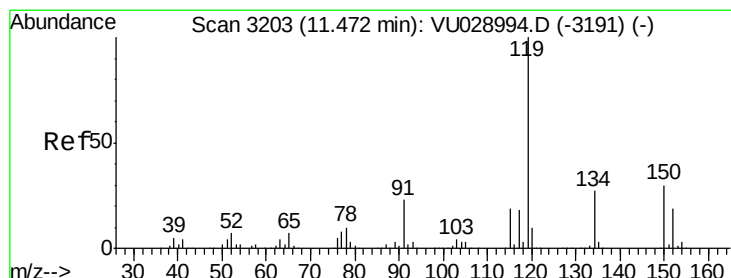
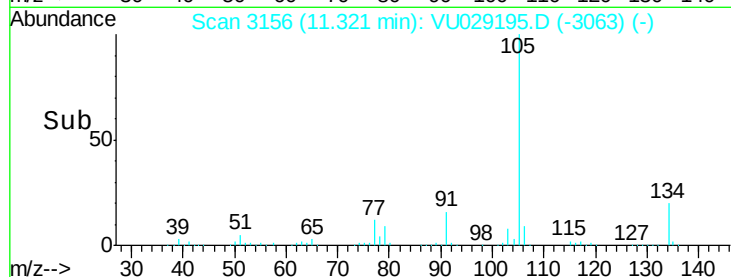
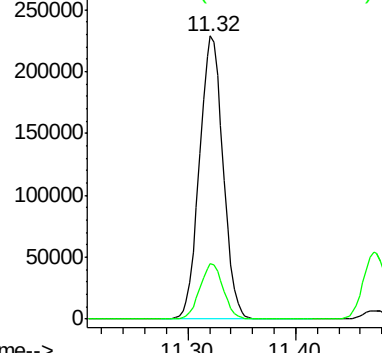
105 100

134 19.4 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: 52.503 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

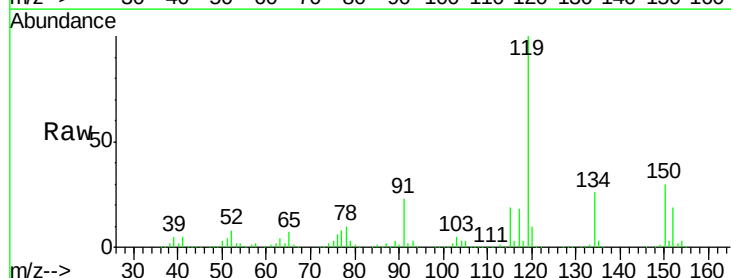
Tgt Ion:119 Resp: 303305

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

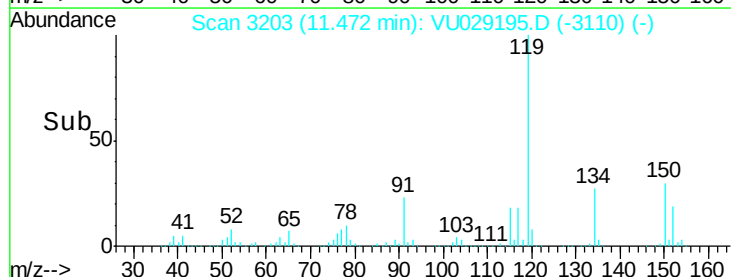
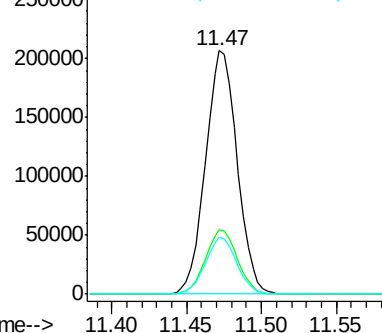
91 23.3 11.3 33.8

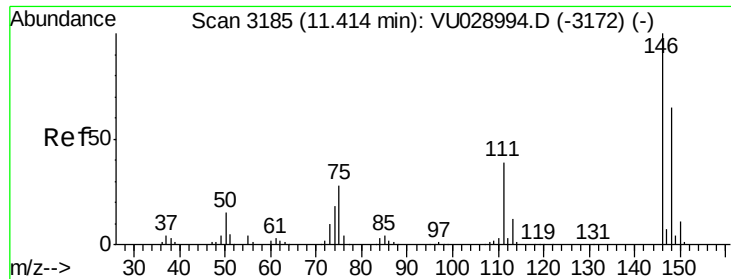


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

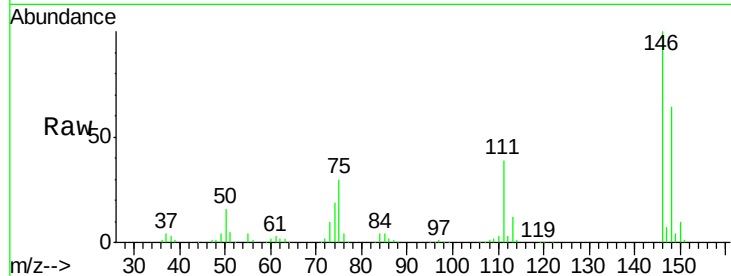




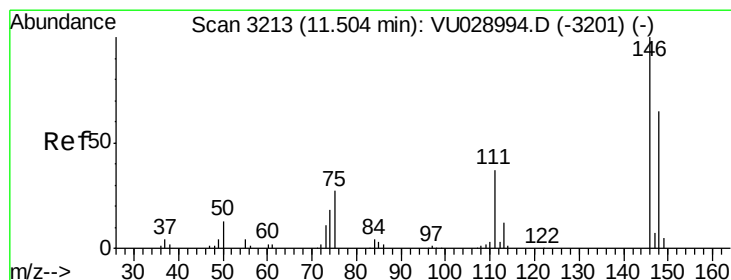
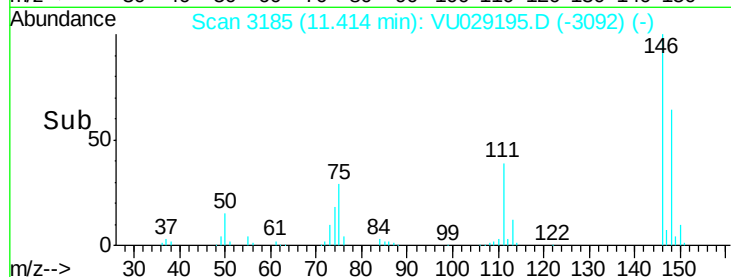
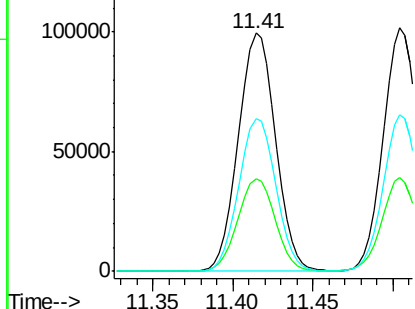
#87
 1,3-Dichlorobenzene
 Concen: 48.455 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029195.D
 Acq: 16 Jan 2019 09:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 157741
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.3 57.8
 148 64.1 32.5 97.5

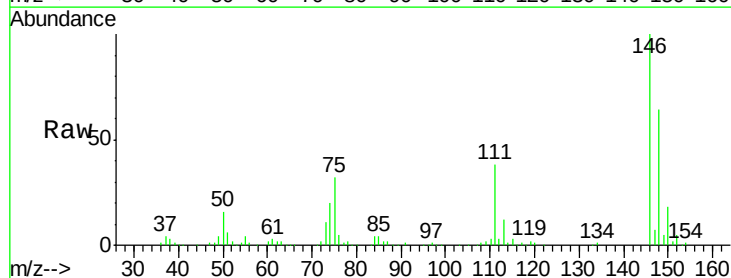


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

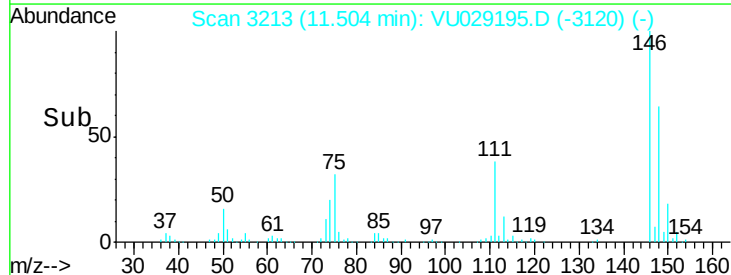
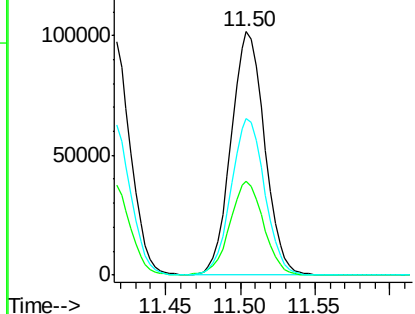


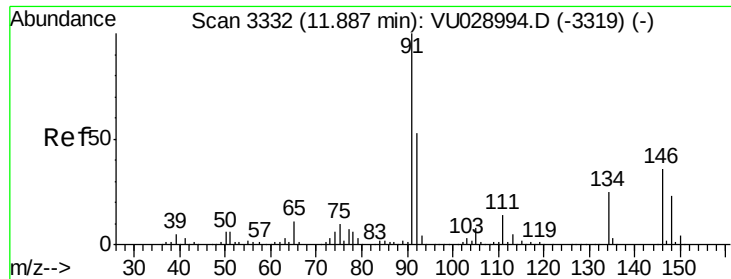
#88
 1,4-Dichlorobenzene
 Concen: 47.114 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029195.D
 Acq: 16 Jan 2019 09:13

Tgt Ion:146 Resp: 158318
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.1 57.3
 148 64.8 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

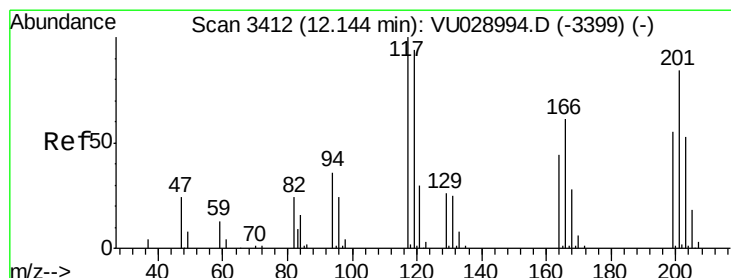
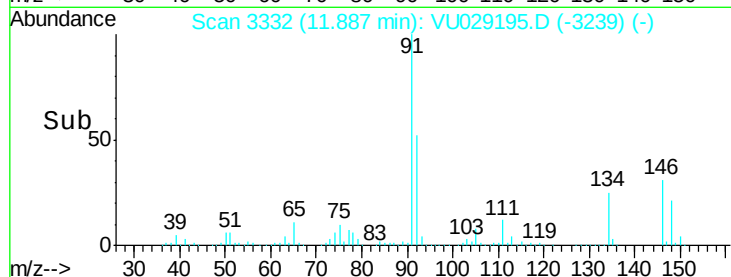
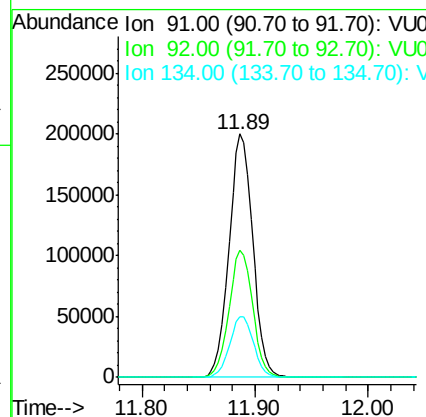
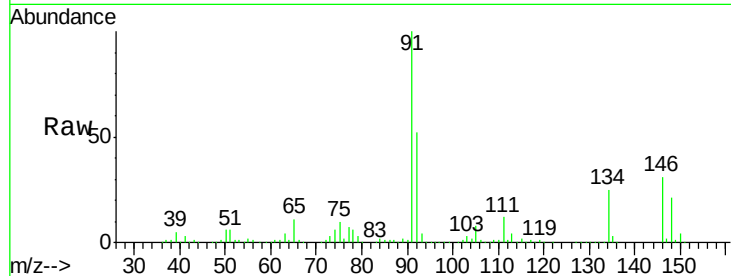




#89
n-Butylbenzene
Concen: 56.752 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU029195.D
Acq: 16 Jan 2019 09:13

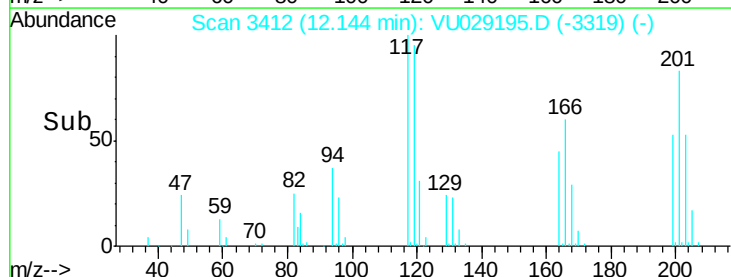
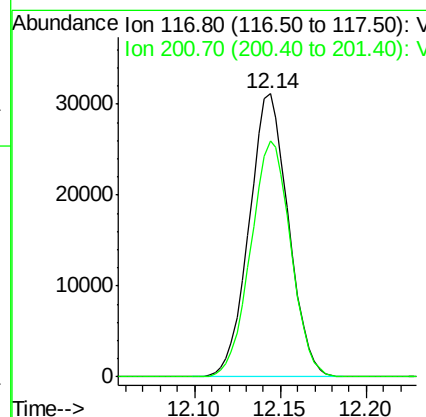
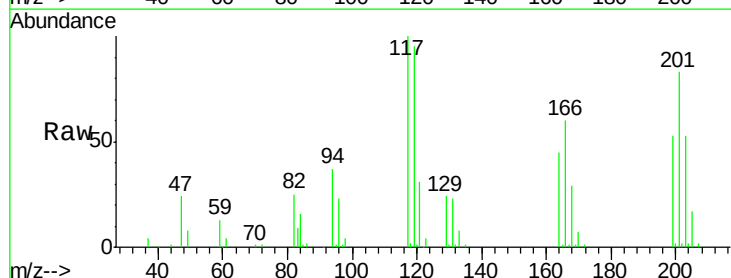
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

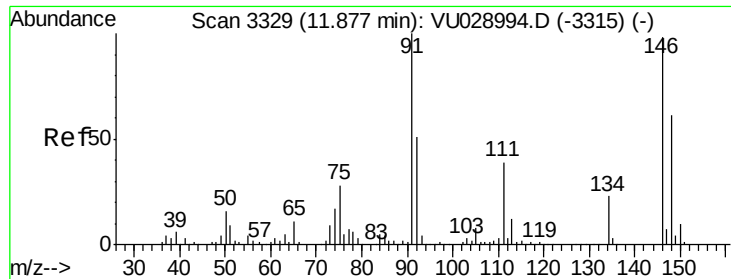
Tot Ion: 91 Resp: 292619
Ion Ratio Lower Upper
91 100
92 51.9 26.2 78.5
134 25.1 12.6 37.6



#90
Hexachloroethane
Concen: 50.718 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU029195.D
Acq: 16 Jan 2019 09:13

Tgt Ion: 117 Resp: 49290
Ion Ratio Lower Upper
117 100
201 84.6 42.4 127.3

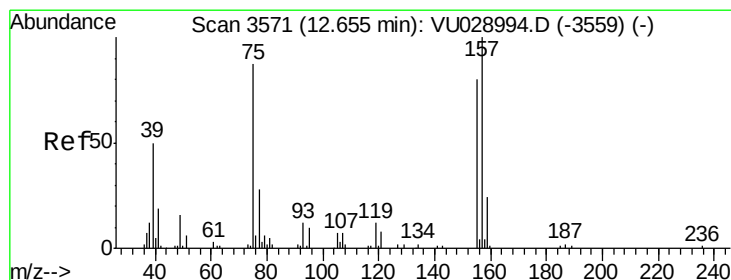
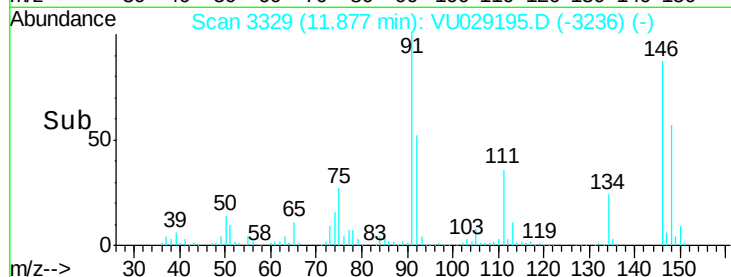
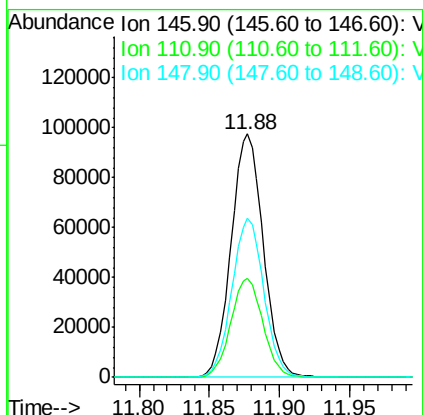
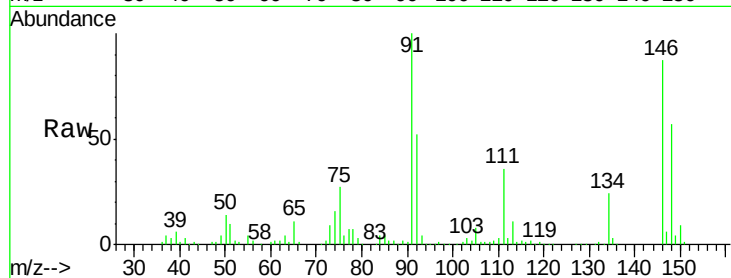




#91
 1,2-Dichlorobenzene
 Concen: 47.563 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029195.D
 Acq: 16 Jan 2019 09:13

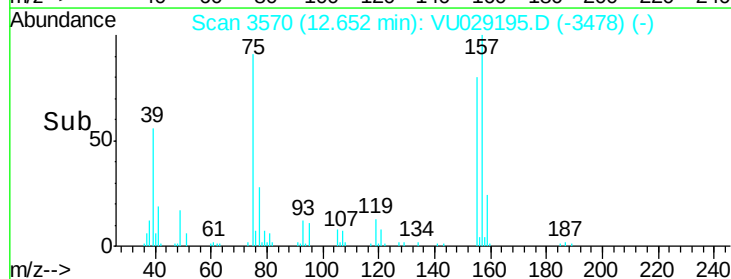
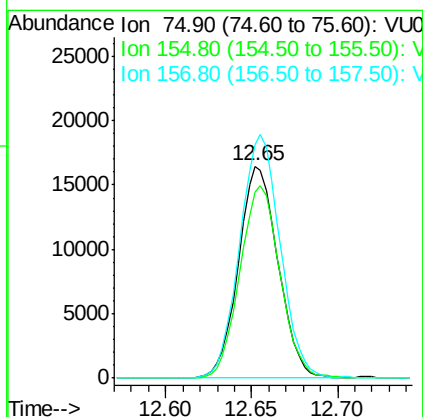
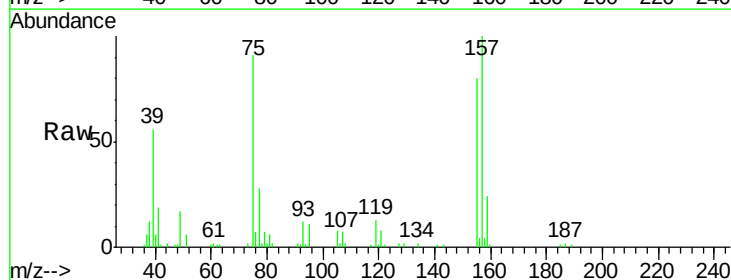
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

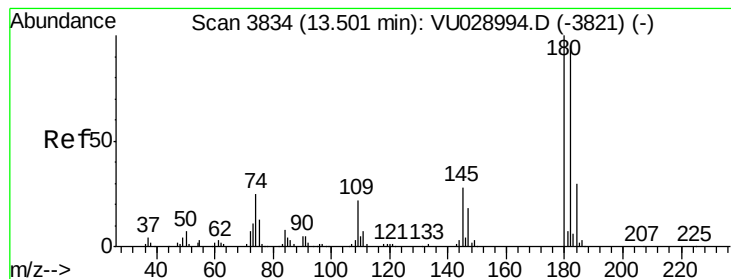
Tot Ion:146 Resp: 155959
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.0 59.9
 148 65.0 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.141 ug/l
 RT: 12.65 min Scan# 3570
 Delta R.T. -0.00 min
 Lab File: VU029195.D
 Acq: 16 Jan 2019 09:13

Tgt Ion: 75 Resp: 26324
 Ion Ratio Lower Upper
 75 100
 155 91.4 46.3 138.8
 157 116.9 57.4 172.0





#93

1,2,4-Trichlorobenzene

Concen: 51.672 ug/l

RT: 13.50 min Scan# 3834

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

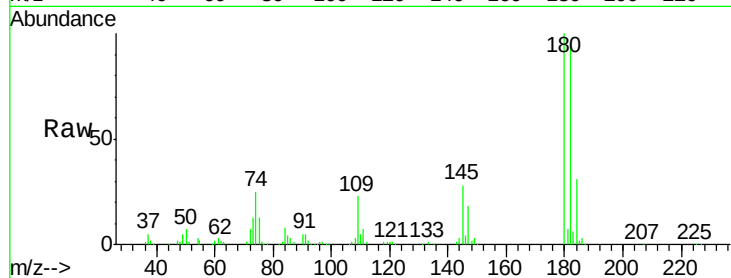
Tot Ion:180 Resp: 108156

Ion Ratio Lower Upper

180 100

182 96.2 47.5 142.6

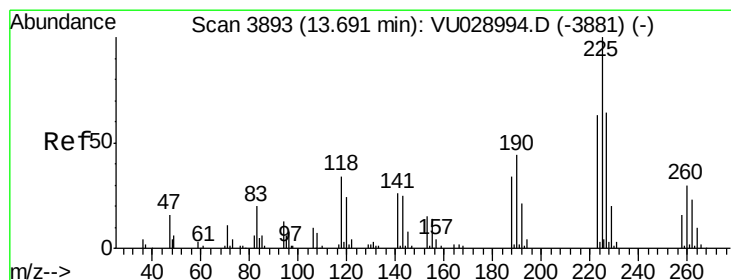
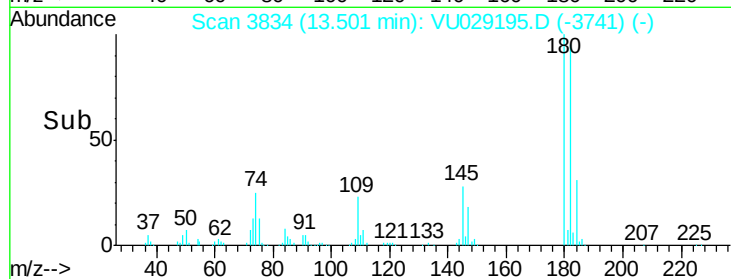
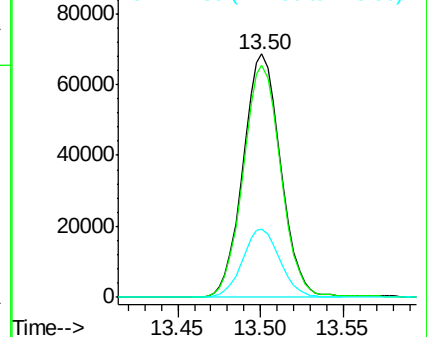
145 28.0 14.0 42.0



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: 56.078 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

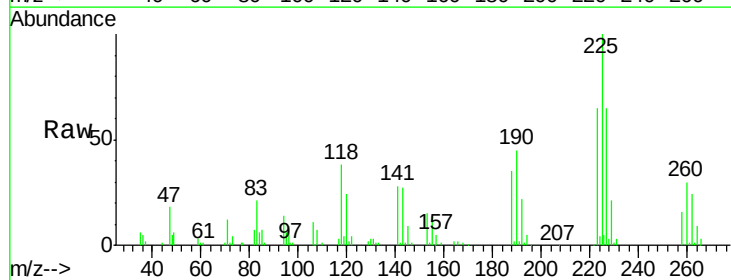
Tgt Ion:225 Resp: 53688

Ion Ratio Lower Upper

225 100

223 64.0 31.4 94.0

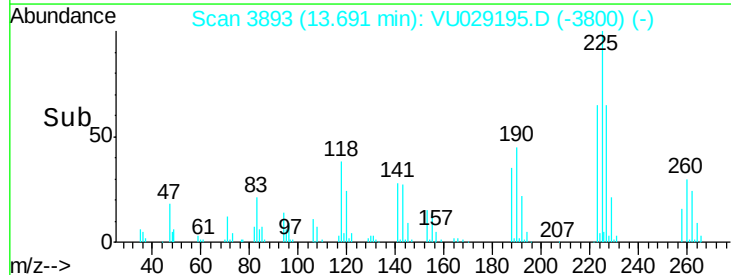
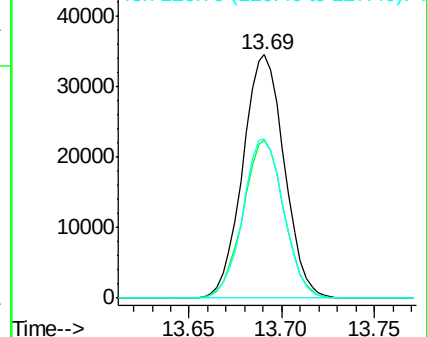
227 64.0 31.9 95.5

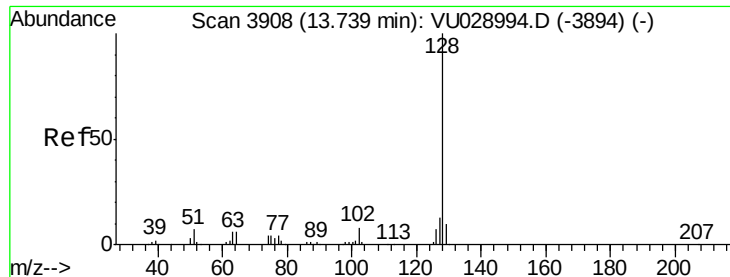


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

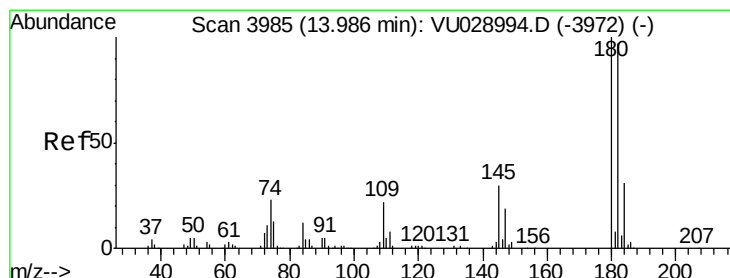
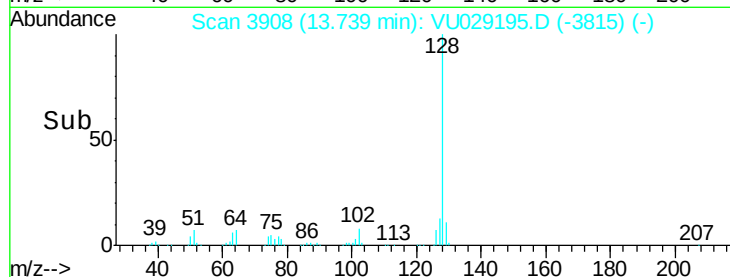
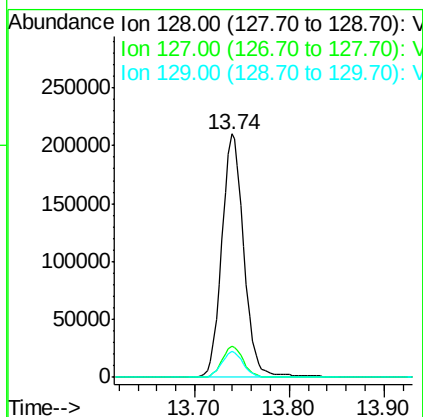
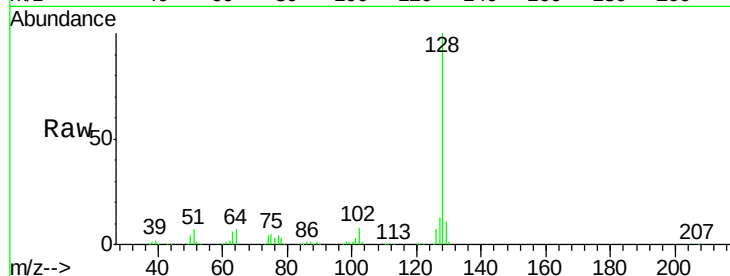




#95
Naphthalene
Concen: 47.645 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. 0.00 min
Lab File: VU029195.D
Acq: 16 Jan 2019 09:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 339254
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 10.7 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 50.284 ug/l
RT: 13.98 min Scan# 3984
Delta R.T. -0.00 min
Lab File: VU029195.D
Acq: 16 Jan 2019 09:13

Tgt Ion:180 Resp: 108361
Ion Ratio Lower Upper
180 100
182 97.0 48.1 144.3
145 31.2 14.8 44.4

