

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U092618\
 Data File : VU027163.D
 Acq On : 26 Sep 2018 05:58
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 26 07:38:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	54043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	108024	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	104791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	53231	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	79612	73.19	ug/l	0.00
Spiked Amount			Recovery	=	146.38%	
35) Dibromofluoromethane	4.88	113	54070	57.75	ug/l	0.00
Spiked Amount			Recovery	=	115.50%	
50) Toluene-d8	7.57	98	169733	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	
62) 4-Bromofluorobenzene	10.31	95	62609	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	17791	25.214	ug/l	96
3) Chloromethane	1.33	50	66124	54.354	ug/l	100
4) Vinyl Chloride	1.40	62	54358	47.868	ug/l	99
5) Bromomethane	1.62	94	28941	44.754	ug/l	99
6) Chloroethane	1.69	64	39947	55.056	ug/l	99
7) Trichlorofluoromethane	1.88	101	43189	33.486	ug/l	99
8) Diethyl Ether	2.10	74	40983	66.017	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.29	101	21939	27.665	ug/l	98
10) Methyl Iodide	2.41	142	33888	34.455	ug/l	99
11) Tert butyl alcohol	2.83	59	89123	357.479	ug/l	99
12) 1,1-Dichloroethene	2.28	96	33998	45.548	ug/l	97
13) Acrolein	2.19	56	35883	266.997	ug/l	98
14) Allyl chloride	2.59	41	97247	64.236	ug/l	98
15) Acrylonitrile	2.94	53	242843	386.473	ug/l	100
16) Acetone	2.32	43	210658	372.745	ug/l	98
17) Carbon Disulfide	2.48	76	104783	43.093	ug/l	99
18) Methyl Acetate	2.62	43	127762	82.525	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	211421	77.079	ug/l	100
20) Methylene Chloride	2.70	84	62282	63.936	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	43963	55.166	ug/l	99
22) Diisopropyl ether	3.58	45	254347	78.548	ug/l	97
23) Vinyl Acetate	3.53	43	1105157	400.385	ug/l	98
24) 1,1-Dichloroethane	3.45	63	118029	66.181	ug/l	98
25) 2-Butanone	4.26	43	346597	379.170	ug/l	98
26) 2,2-Dichloropropane	4.23	77	55184	39.676	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	58486	64.986	ug/l	98
28) Bromochloromethane	4.55	49	69280	80.587	ug/l	93
29) Tetrahydrofuran	4.64	42	223208	403.656	ug/l	95
30) Chloroform	4.67	83	107479	64.925	ug/l	99
31) Cyclohexane	5.00	56	47530	29.078	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	70492	53.333	ug/l	99
36) 1,1-Dichloropropene	5.14	75	53482	37.096	ug/l	99
37) Ethyl Acetate	4.38	43	127406	65.280	ug/l	100
38) Carbon Tetrachloride	5.14	117	50082	36.504	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	36819	23.501	ug/l	95
40) Benzene	5.39	78	221088	50.445	ug/l	99
41) Methacrylonitrile	4.54	41	71514	70.555	ug/l	97
42) 1,2-Dichloroethane	5.40	62	100319	60.584	ug/l	98
43) Isopropyl Acetate	5.55	43	195710	68.760	ug/l	98
44) Trichloroethene	6.19	130	40940	43.878	ug/l	98
45) 1,2-Dichloropropane	6.43	63	73211	58.625	ug/l	99
46) Dibromomethane	6.56	93	43983	58.317	ug/l	96
47) Bromodichloromethane	6.76	83	87756	57.543	ug/l	97
48) Methyl methacrylate	6.62	41	97597	62.736	ug/l	99
49) 1,4-Dioxane	6.61	88	32761	1064.952	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	669518	349.745	ug/l	99
52) Toluene	7.64	92	120841	48.102	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	96539	58.918	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	101897	56.559	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	63376	59.537	ug/l	99
56) Ethyl methacrylate	8.02	69	109090	58.666	ug/l	97
57) 1,3-Dichloropropane	8.24	76	119529	60.373	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	316500	300.937	ug/l	98
59) 2-Hexanone	8.36	43	505004	337.011	ug/l	99
60) Dibromochloromethane	8.48	129	61093	58.510	ug/l	97
61) 1,2-Dibromoethane	8.59	107	65231	58.896	ug/l	100
64) Tetrachloroethene	8.23	164	29718	36.803	ug/l	97
65) Chlorobenzene	9.12	112	127902	46.032	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	51887	54.217	ug/l	99
67) Ethyl Benzene	9.25	91	198866	43.525	ug/l	98
68) m/p-Xylenes	9.38	106	148683	80.647	ug/l	98
69) o-Xylene	9.78	106	78957	48.773	ug/l	100
70) Styrene	9.79	104	139691	46.351	ug/l	99
71) Bromoform	9.96	173	45259	61.154	ug/l #	98
73) Isopropylbenzene	10.17	105	174469	43.087	ug/l	98
74) N-amyl acetate	10.02	43	170218	72.623	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	113788	61.120	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	129118	79.843	ug/l	83
77) Bromobenzene	10.45	156	52924	53.486	ug/l	95
78) n-propylbenzene	10.59	91	197899	41.305	ug/l	100
79) 2-Chlorotoluene	10.66	91	142672	47.408	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	150992	45.173	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	129118	255.513	ug/l #	100
82) 4-Chlorotoluene	10.77	91	164331	48.698	ug/l	100
83) tert-Butylbenzene	11.10	119	137009	41.460	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	161470	47.468	ug/l	98
85) sec-Butylbenzene	11.32	105	150264	37.250	ug/l	99
86) p-Isopropyltoluene	11.48	119	133584	35.564	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	86942	47.216	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	91186	45.437	ug/l	99
89) n-Butylbenzene	11.89	91	114721	32.162	ug/l	98
90) Hexachloroethane	12.15	117	27651	37.694	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	96192	49.179	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26721	70.356	ug/l	93

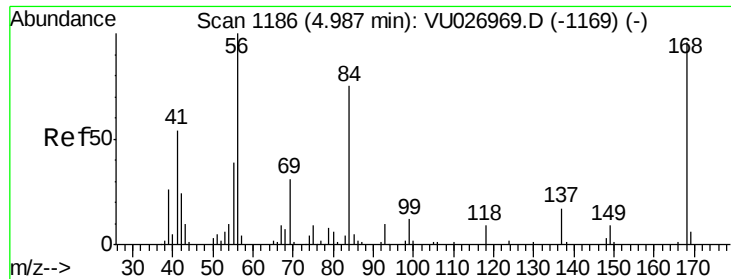
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	57689	51.181	ug/l	99
94) Hexachlorobutadiene	13.69	225	18610	31.204	ug/l	97
95) Naphthalene	13.74	128	256802	57.992	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	65248	53.980	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

Instrument :

MSVOA_U

ClientSampleId :

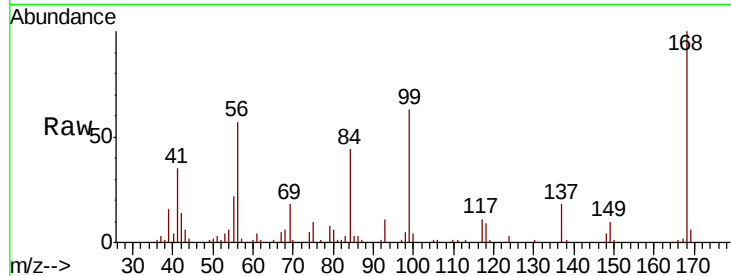
VSTDCCC050

Tot Ion:168 Resp: 54043

Ion Ratio Lower Upper

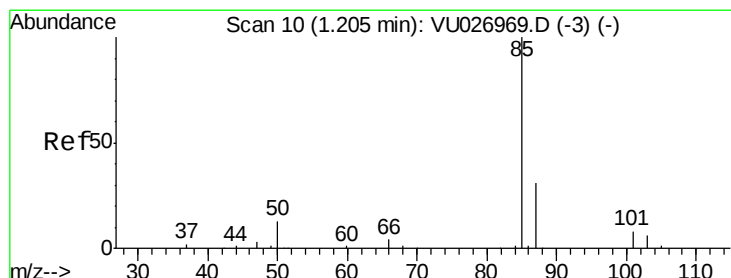
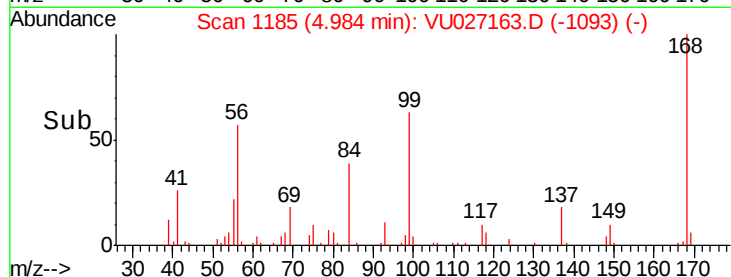
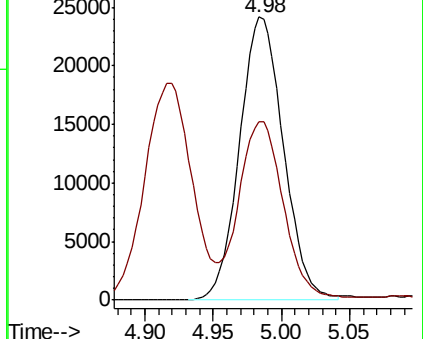
168 100

99 61.7 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)



#2

Dichlorodifluoromethane

Concen: 25.214 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027163.D

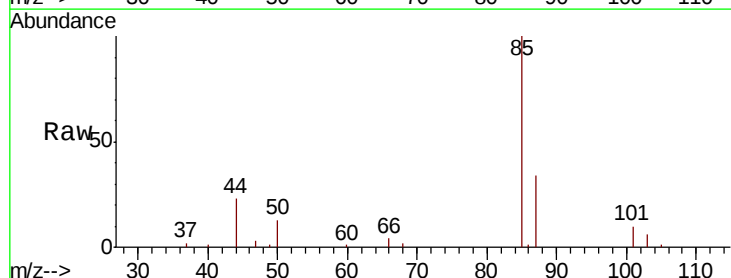
Acq: 26 Sep 2018 05:58

Tgt Ion: 85 Resp: 17791

Ion Ratio Lower Upper

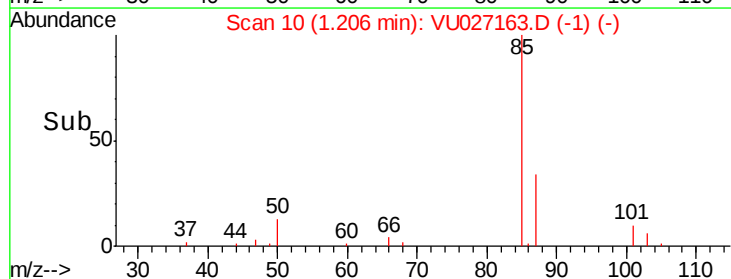
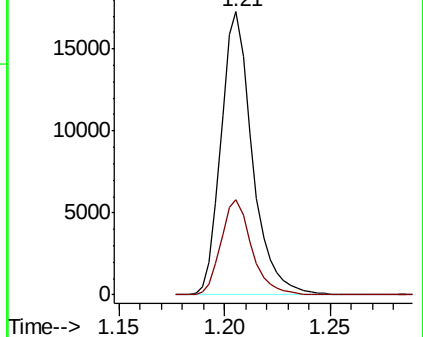
85 100

87 33.6 15.6 46.7



Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)





#3

Chloromethane

Concen: 54.354 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

Instrument :

MSVOA_U

ClientSampleId :

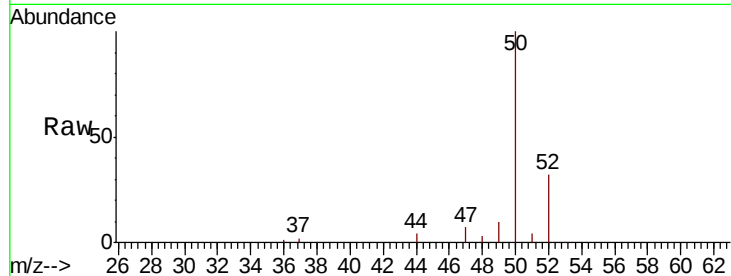
VSTDCCC050

Tot Ion: 50 Resp: 66124

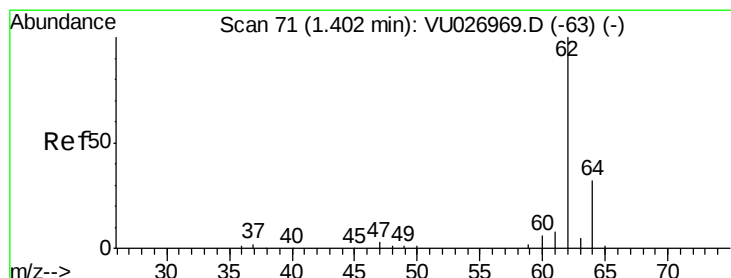
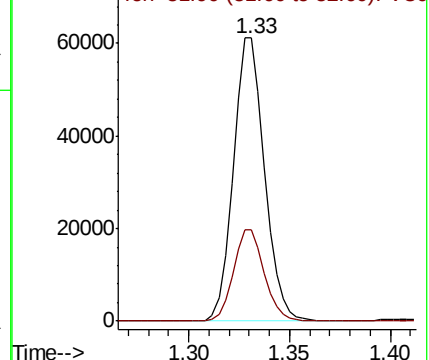
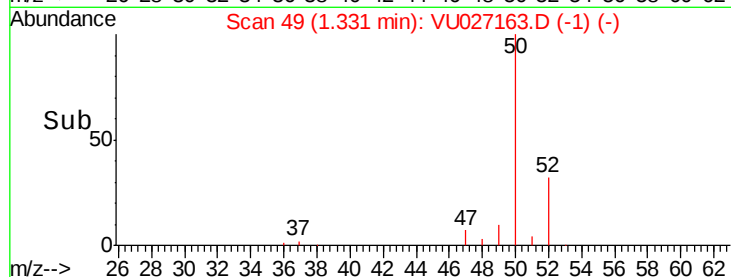
Ion Ratio Lower Upper

50 100

52 32.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VU027163.D (-1) (-)



#4

Vinyl Chloride

Concen: 47.868 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027163.D

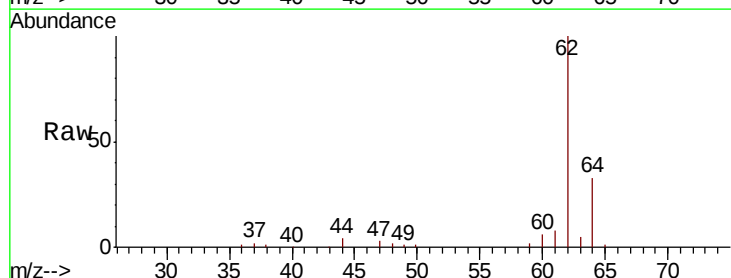
Acq: 26 Sep 2018 05:58

Tgt Ion: 62 Resp: 54358

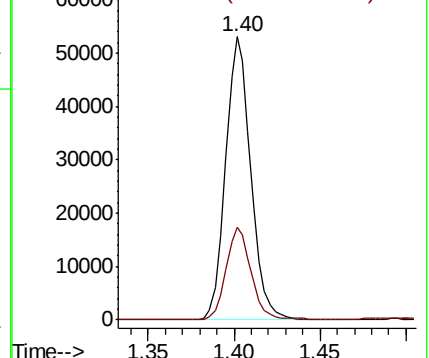
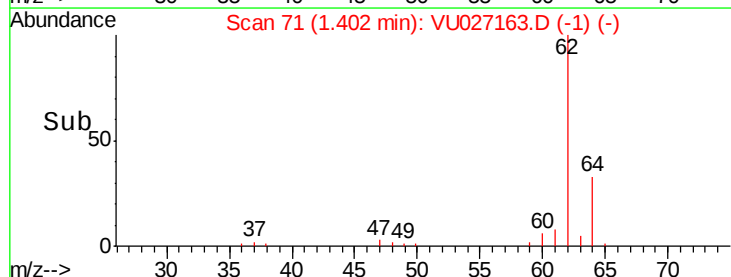
Ion Ratio Lower Upper

62 100

64 32.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU027163.D (-1) (-)





#5

Bromomethane

Concen: 44.754 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.00 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

Instrument :

MSVOA_U

ClientSampleId :

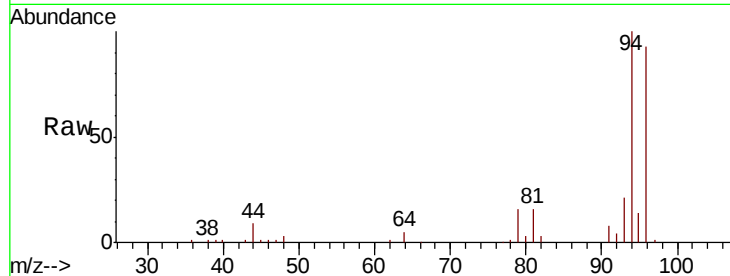
VSTDCCC050

Tot Ion: 94 Resp: 28941

Ion Ratio Lower Upper

94 100

96 92.8 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU027163.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU027163.D (-128) (-)

1.62

25000

20000

15000

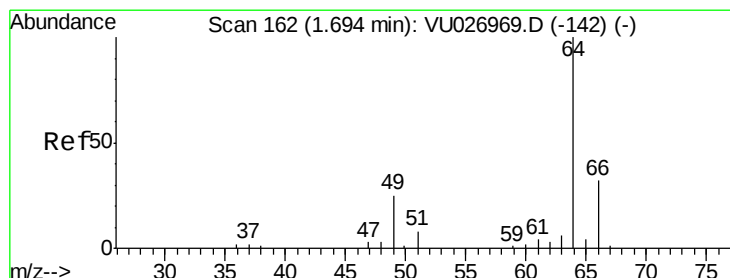
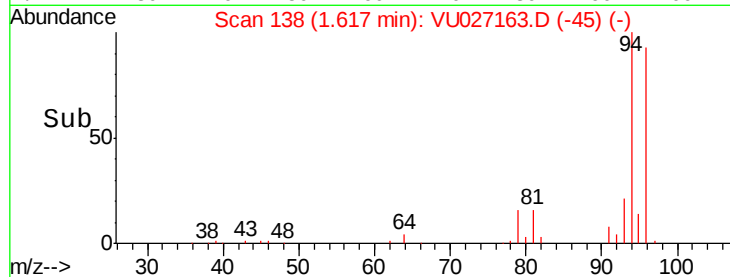
10000

5000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 55.056 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU027163.D

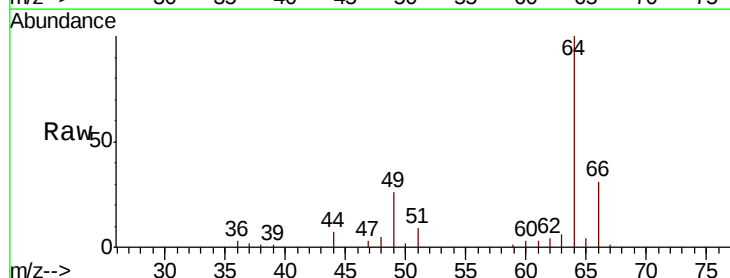
Acq: 26 Sep 2018 05:58

Tgt Ion: 64 Resp: 39947

Ion Ratio Lower Upper

64 100

66 31.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU027163.D (-142) (-)

Ion 65.90 (65.60 to 66.60): VU027163.D (-142) (-)

1.69

30000

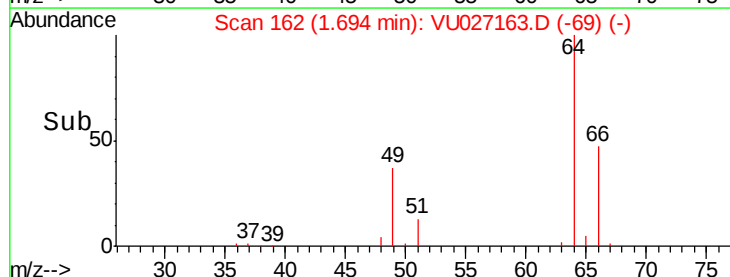
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10000

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Time-->

1.65 1.70 1.75



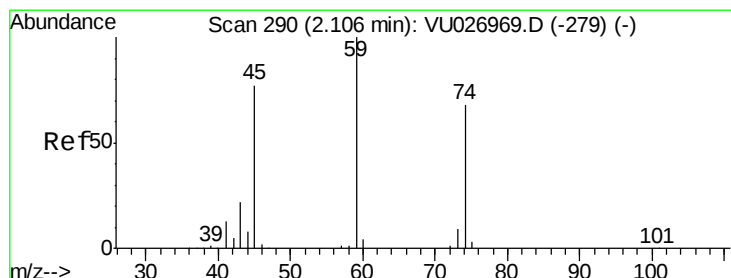
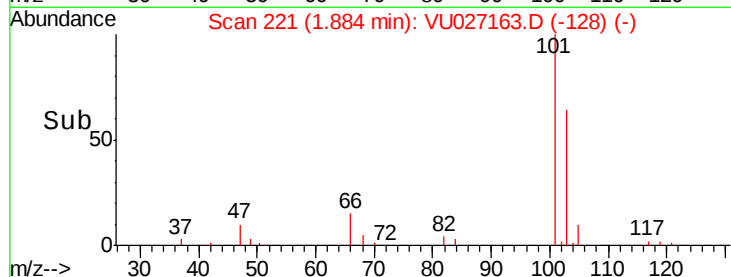
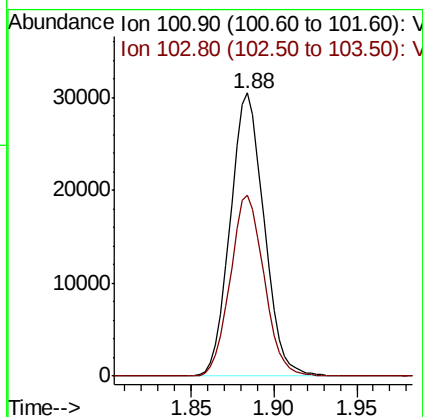
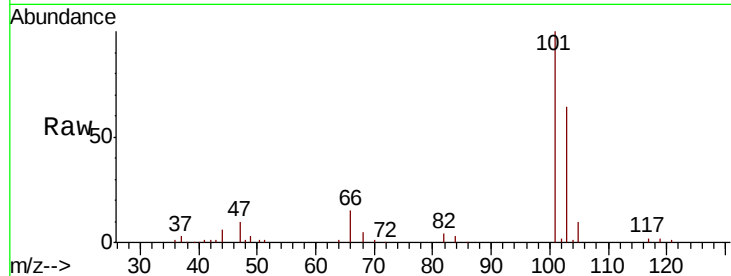


#7

Trichlorofluoromethane
 Concen: 33.486 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU027163.D
 Acq: 26 Sep 2018 05:58

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 VSTDCCC050

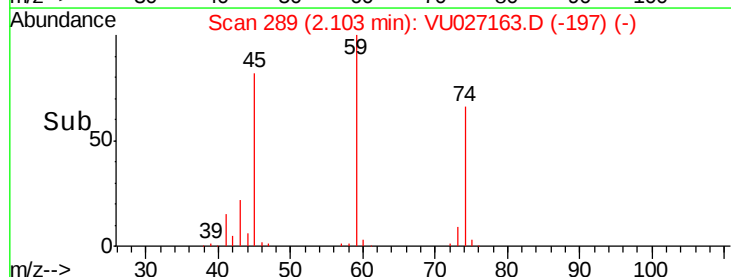
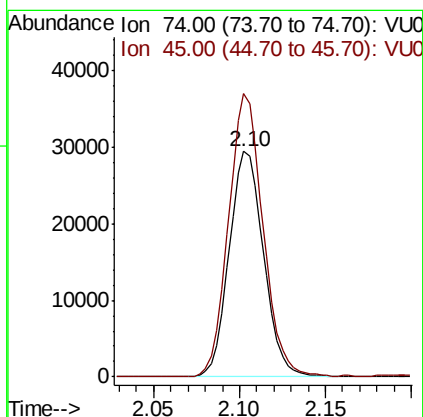
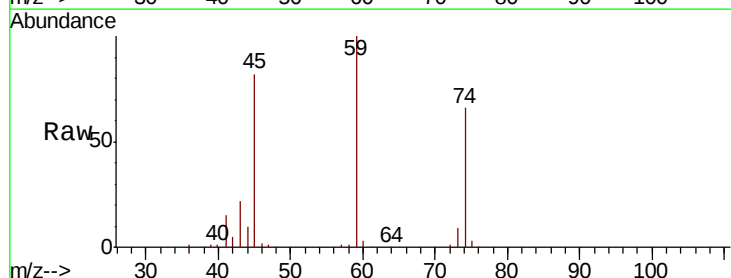
Tot Ion:101 Resp: 43189
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.2 78.2



#8

Diethyl Ether
 Concen: 66.017 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU027163.D
 Acq: 26 Sep 2018 05:58

Tgt Ion: 74 Resp: 40983
 Ion Ratio Lower Upper
 74 100
 45 126.1 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 27.665 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

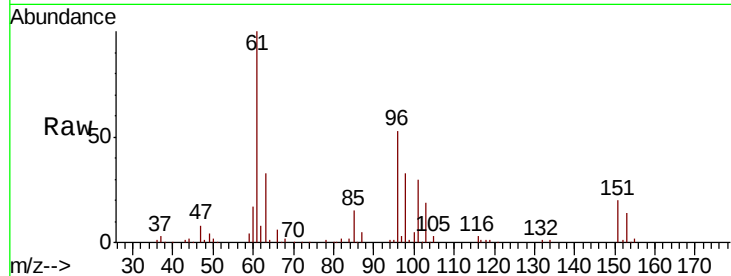
Tot Ion:101 Resp: 21939

Ion Ratio Lower Upper

101 100

85 46.8 36.2 54.2

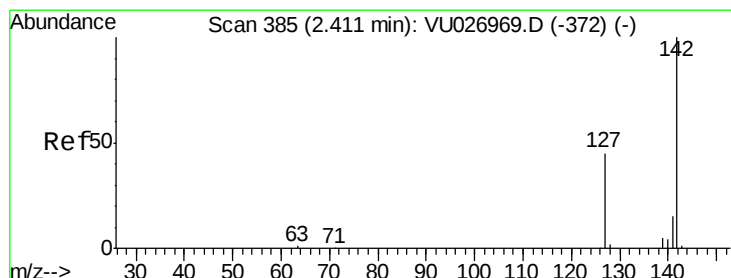
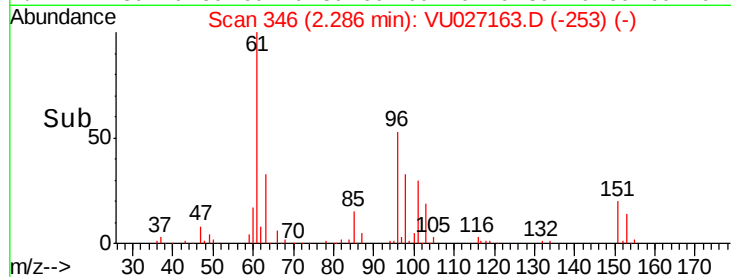
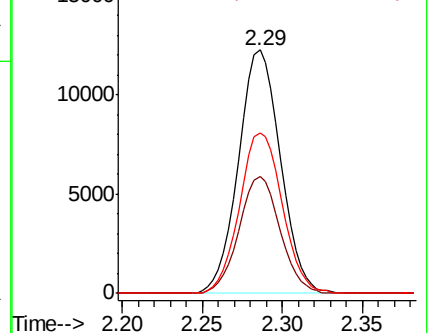
151 67.1 54.5 81.7



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: 34.455 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

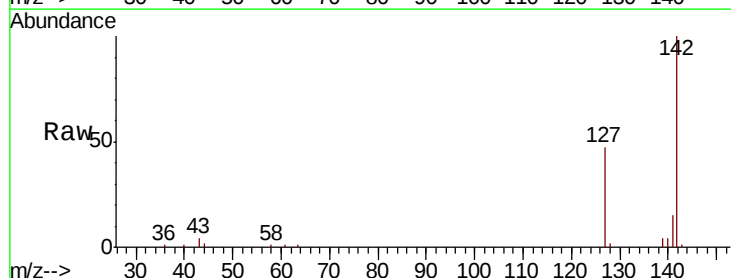
Tgt Ion:142 Resp: 33888

Ion Ratio Lower Upper

142 100

127 46.5 36.7 55.1

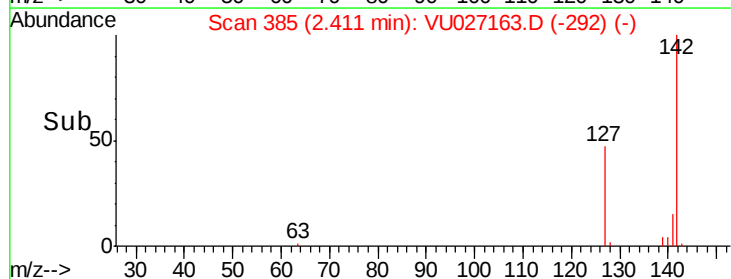
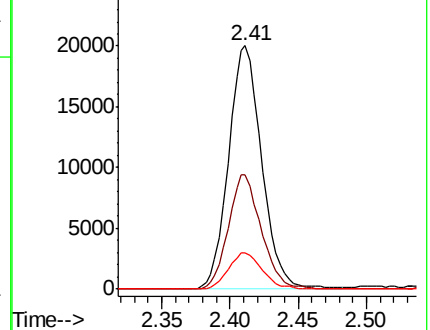
141 15.0 11.8 17.6

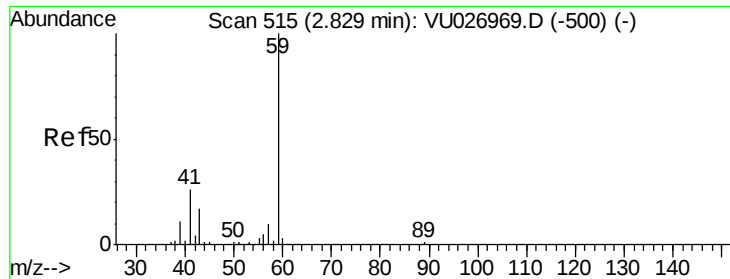


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

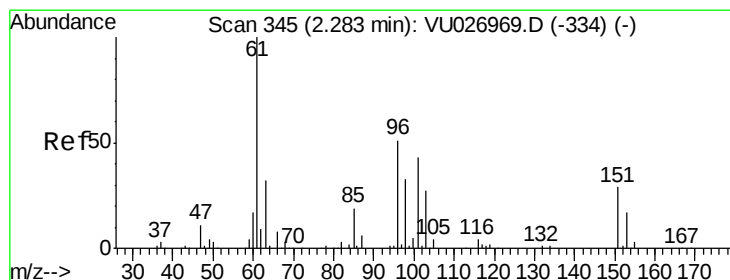
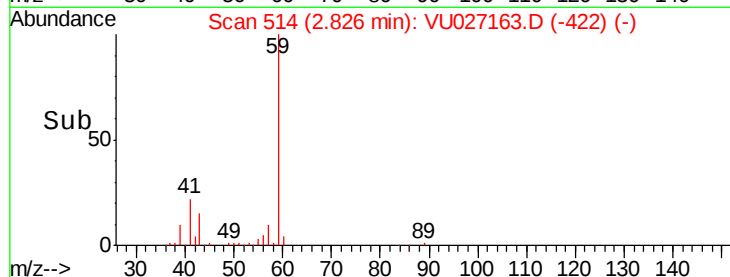
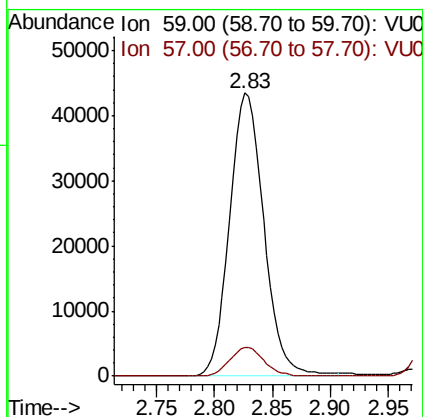
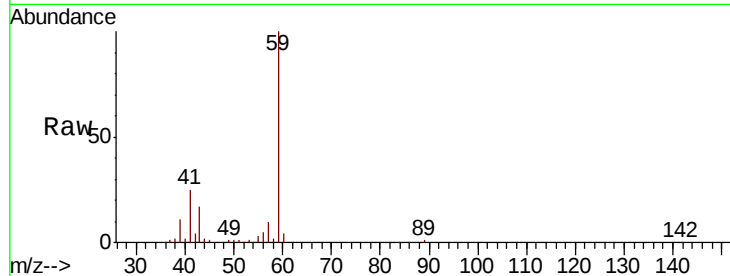




#11
Tert butyl alcohol
Concen: 357.479 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

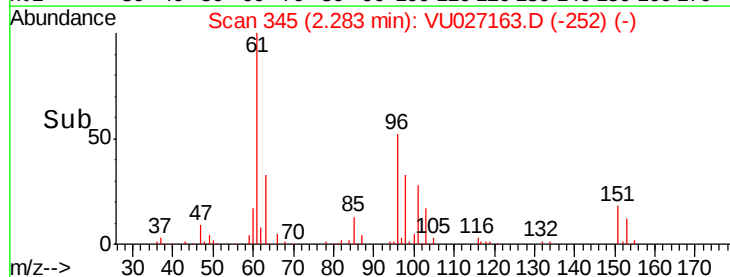
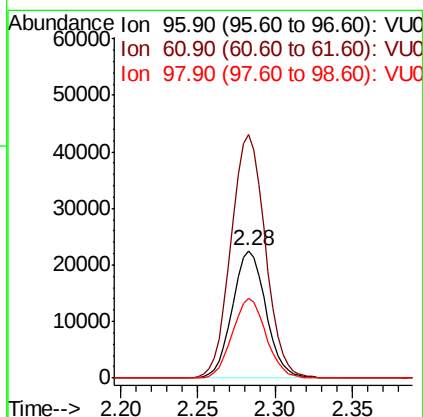
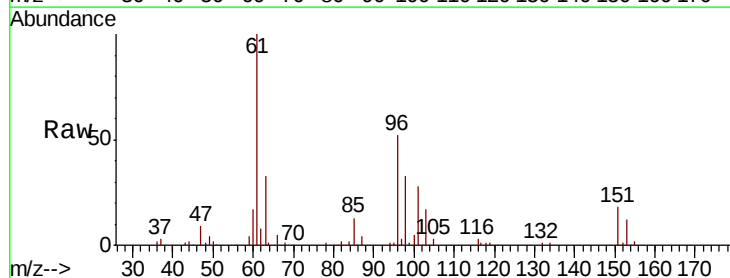
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

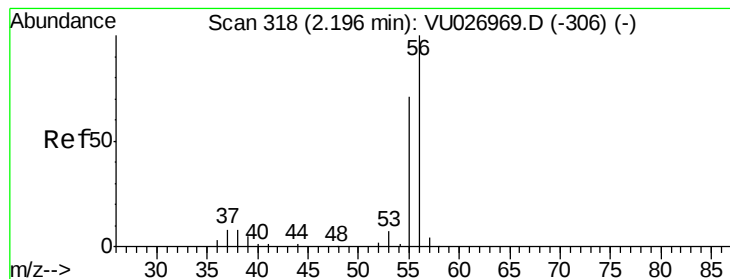
Tot Ion: 59 Resp: 89123
Ion Ratio Lower Upper
59 100
57 10.1 8.5 12.7



#12
1,1-Dichloroethene
Concen: 45.548 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

Tgt Ion: 96 Resp: 33998
Ion Ratio Lower Upper
96 100
61 191.0 156.1 234.1
98 62.1 51.4 77.0





#13

Acrolein

Concen: 266.997 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

Instrument :

MSVOA_U

ClientSampleId :

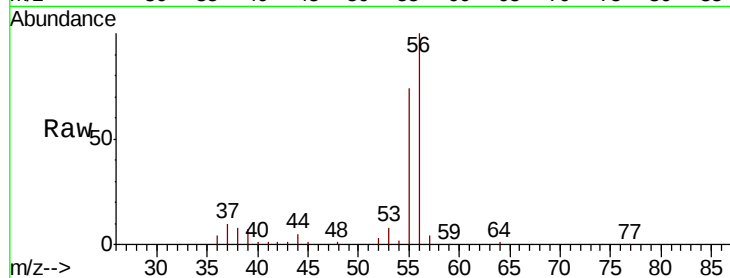
VSTDCCC050

Tot Ion: 56 Resp: 35883

Ion Ratio Lower Upper

56 100

55 72.7 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.19

25000

20000

15000

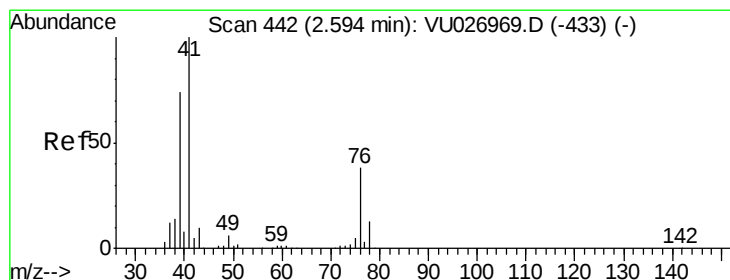
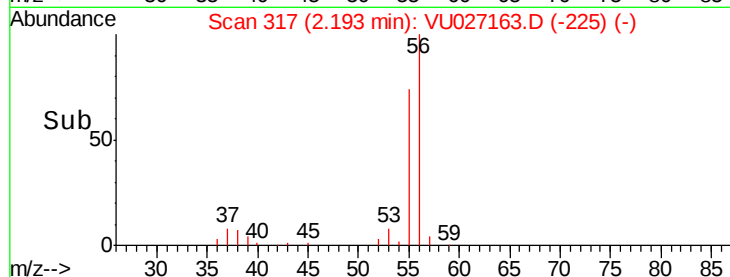
10000

5000

0

Time-->

2.15 2.20 2.25 2.30



#14

Allyl chloride

Concen: 64.236 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

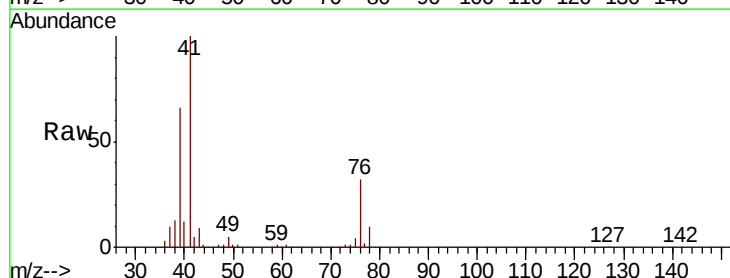
Tgt Ion: 41 Resp: 97247

Ion Ratio Lower Upper

41 100

39 69.1 55.7 83.5

76 30.8 26.5 39.7



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

2.59

60000

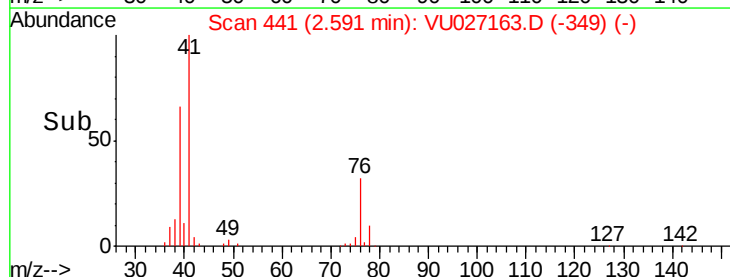
40000

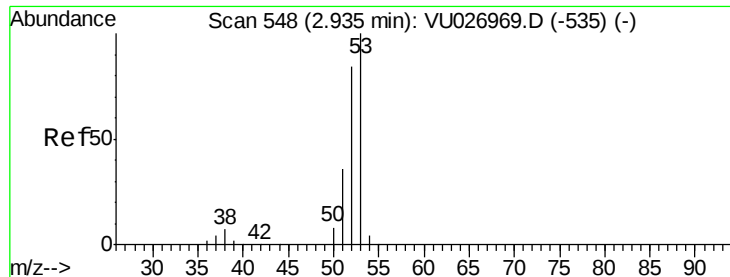
20000

0

Time-->

2.55 2.60 2.65





#15

Acrylonitrile

Concen: 386.473 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

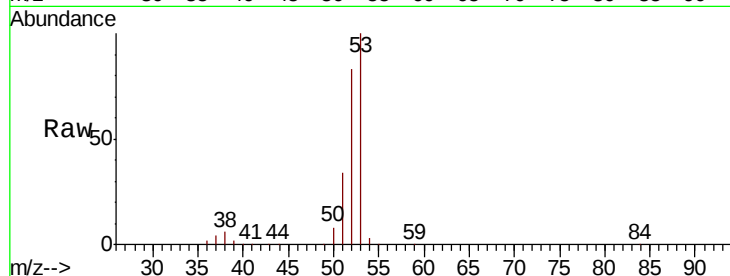
Tot Ion: 53 Resp: 242843

Ion Ratio Lower Upper

53 100

52 81.8 65.7 98.5

51 33.9 27.4 41.2



Abundance Ion 53.00 (52.70 to 53.70): VU027163.D (-535) (-)

Ion 52.00 (51.70 to 52.70): VU027163.D (-535) (-)

Ion 51.00 (50.70 to 51.70): VU027163.D (-535) (-)

2.94

150000

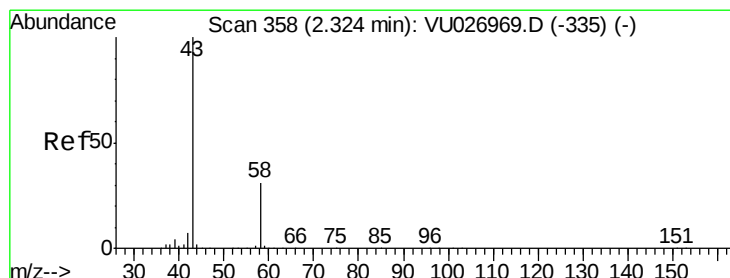
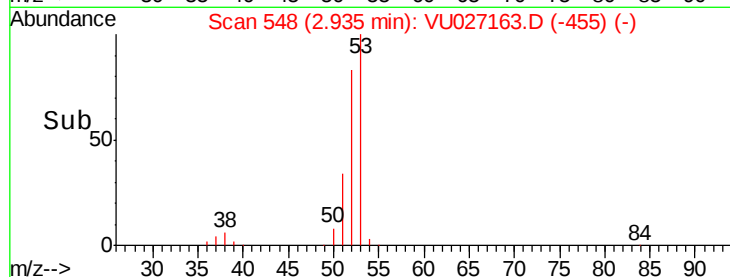
100000

50000

0

2.90 3.00 3.10

Time-->



#16

Acetone

Concen: 372.745 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027163.D

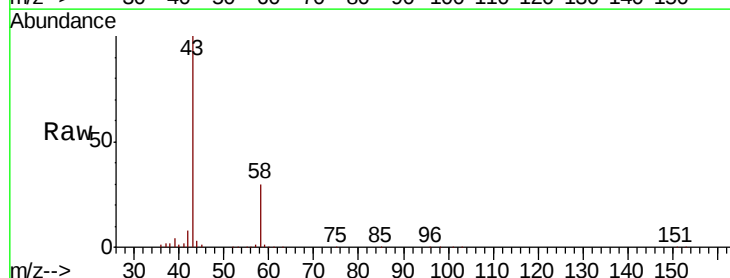
Acq: 26 Sep 2018 05:58

Tgt Ion: 43 Resp: 210658

Ion Ratio Lower Upper

43 100

58 29.7 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU027163.D (-265) (-)

Ion 58.00 (57.70 to 58.70): VU027163.D (-265) (-)

2.32

150000

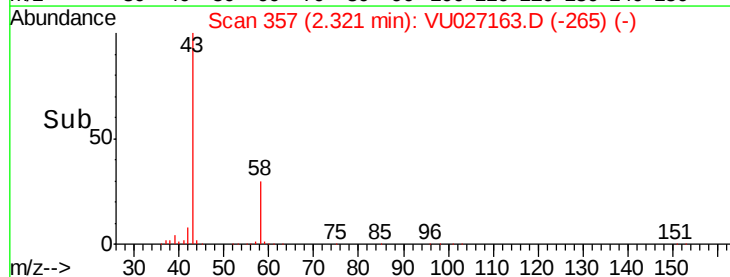
100000

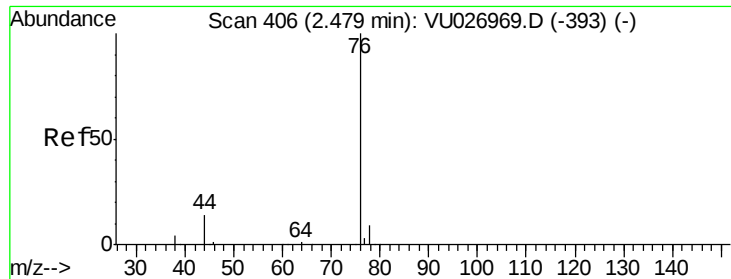
50000

0

2.20 2.30 2.40

Time-->

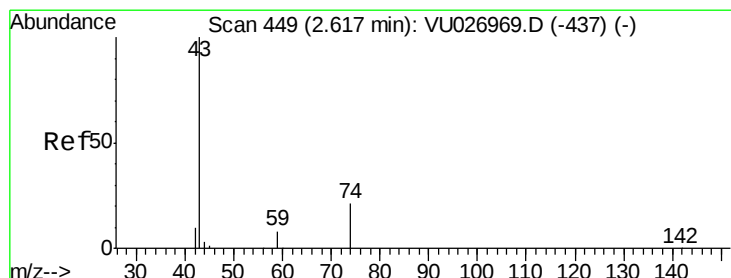
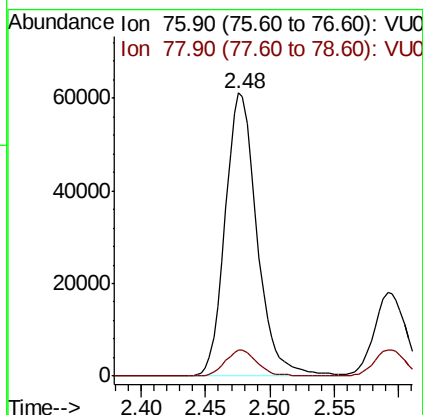
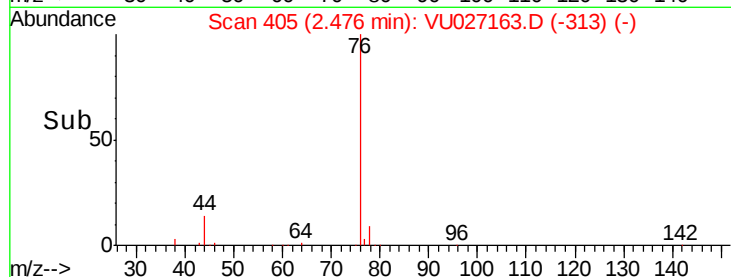
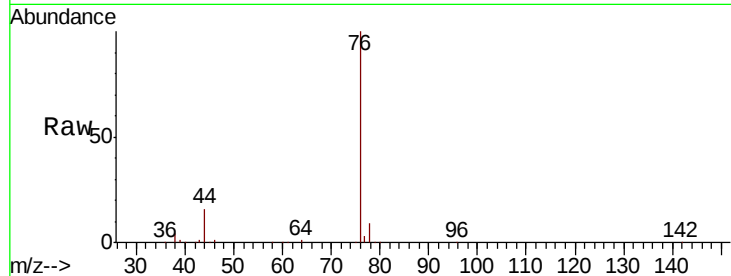




#17
Carbon Disulfide
Concen: 43.093 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

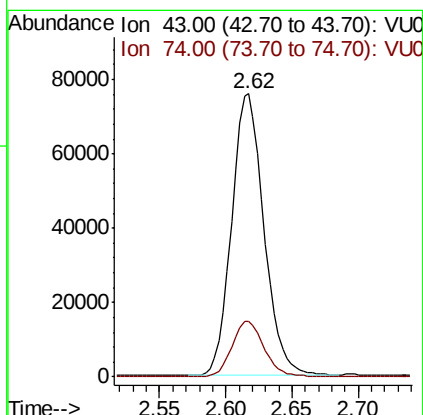
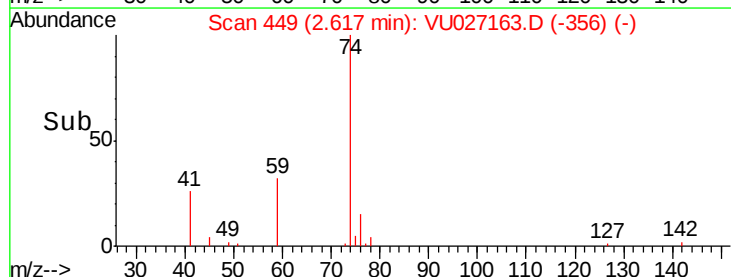
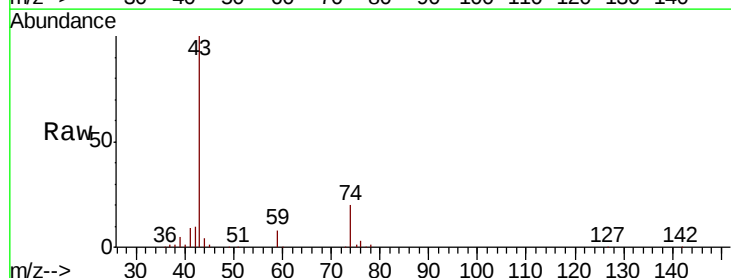
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

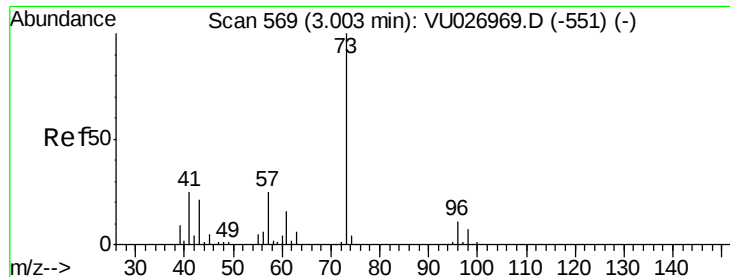
Tot Ion: 76 Resp: 104783
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#18
Methyl Acetate
Concen: 82.525 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

Tgt Ion: 43 Resp: 127762
Ion Ratio Lower Upper
43 100
74 19.8 16.6 25.0

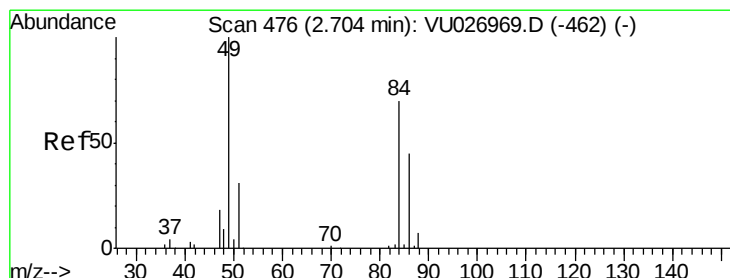
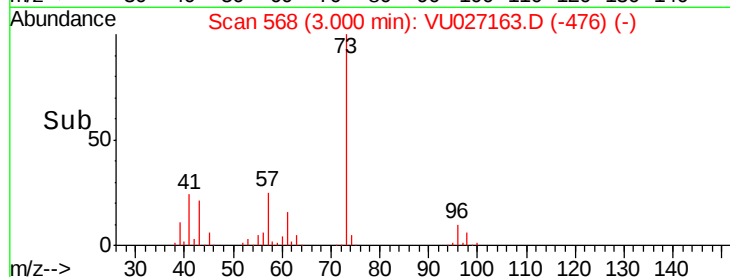
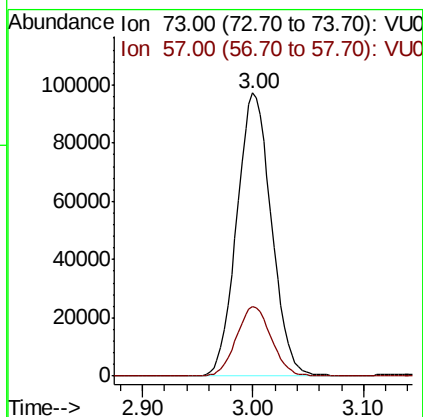
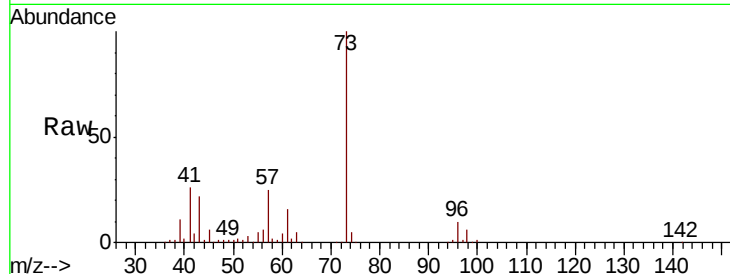




#19
Methvl tert-butvl Ether
Concen: 77.079 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

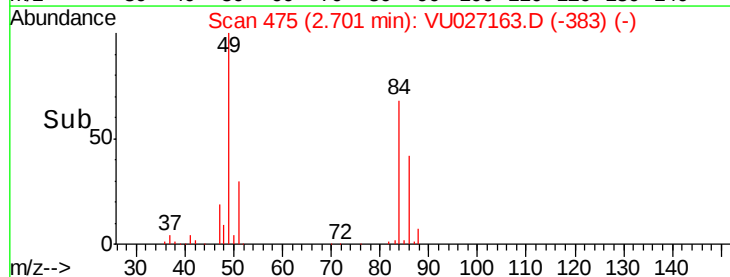
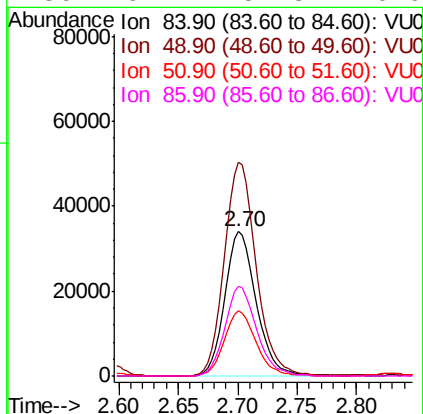
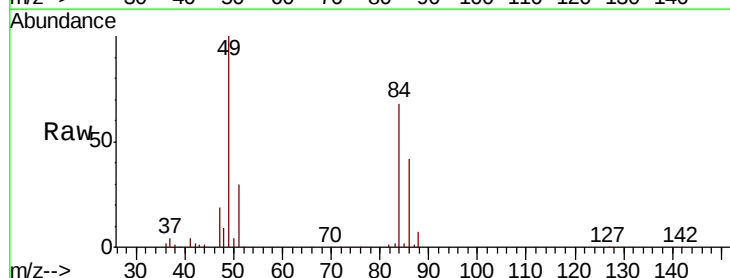
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

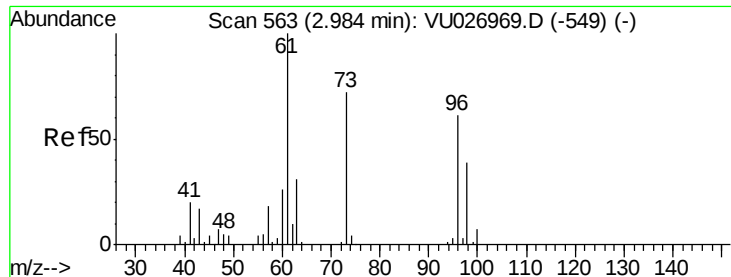
Tot Ion: 73 Resp: 211421
Ion Ratio Lower Upper
73 100
57 24.6 19.8 29.6



#20
Methylene Chloride
Concen: 63.936 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

Tgt Ion: 84 Resp: 62282
Ion Ratio Lower Upper
84 100
49 147.7 114.9 172.3
51 44.8 35.8 53.8
86 62.2 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 55.166 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

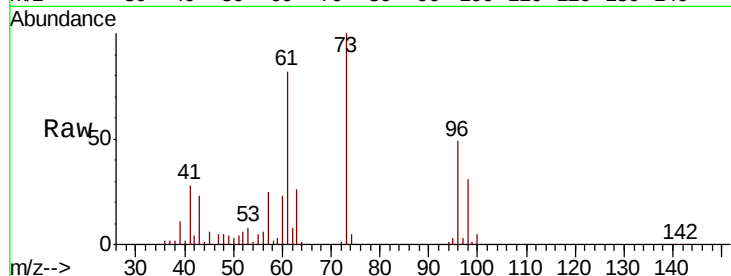
Tot Ion: 96 Resp: 43963

Ion Ratio Lower Upper

96 100

61 166.6 131.8 197.6

98 62.9 50.9 76.3

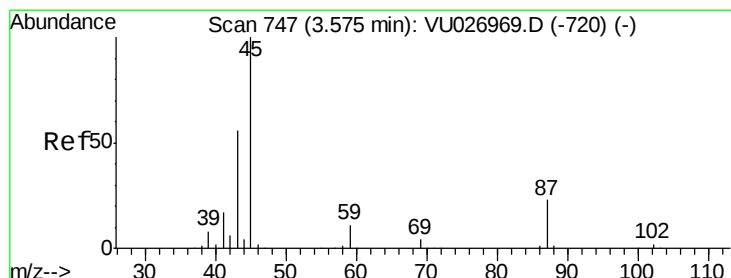
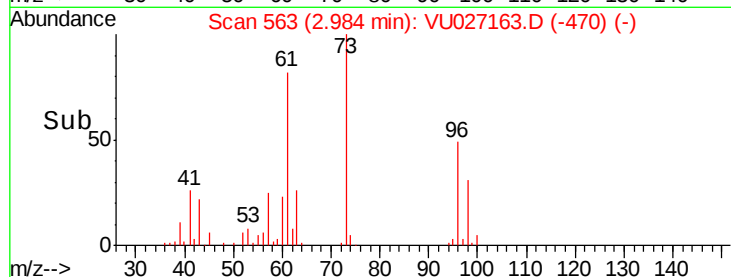
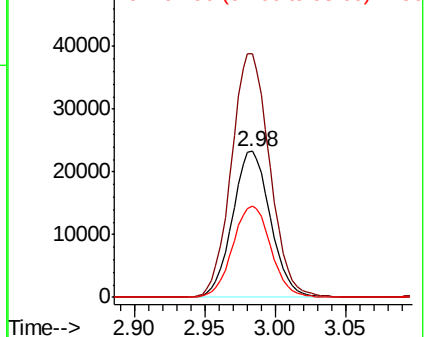


Abundance

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



#22

Diisopropyl ether

Concen: 78.548 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

Tgt Ion: 45 Resp: 254347

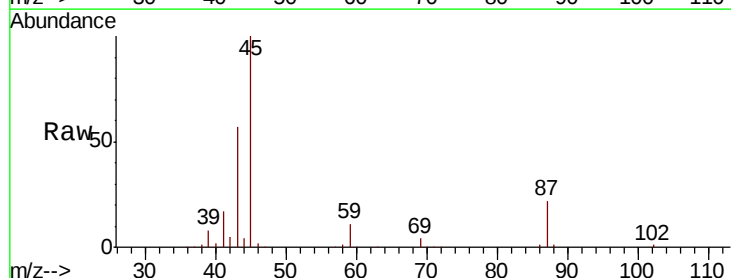
Ion Ratio Lower Upper

45 100

43 54.9 45.8 68.6

87 21.5 18.6 28.0

59 11.1 9.0 13.4



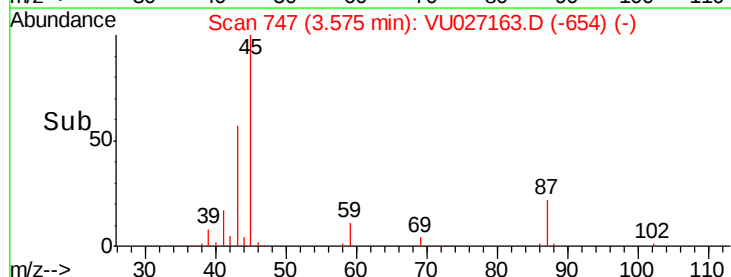
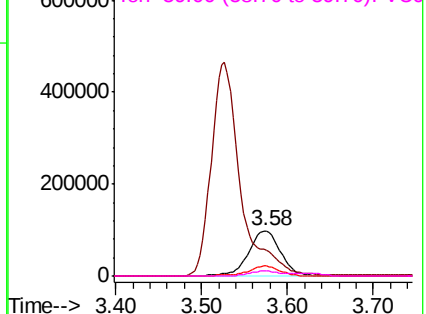
Abundance

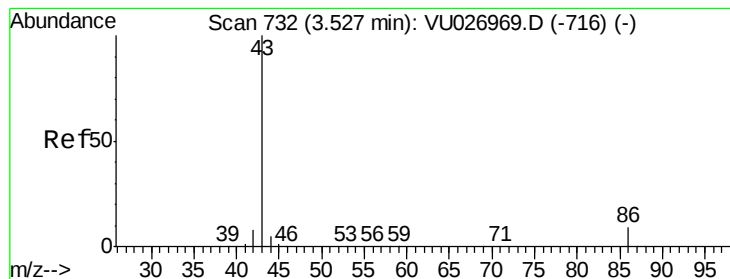
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 400.385 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

Instrument :

MSVOA_U

ClientSampleId :

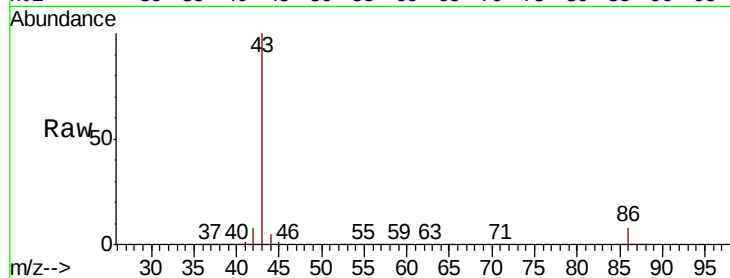
VSTDCCC050

Tot Ion: 43 Resp: 1105157

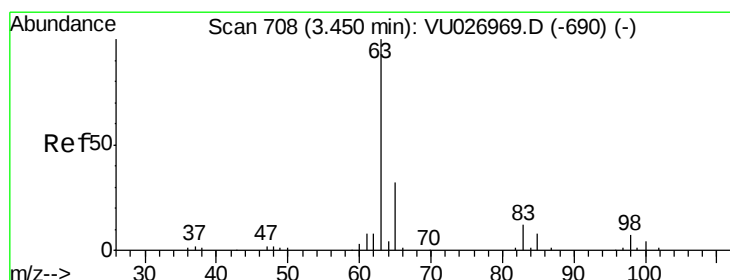
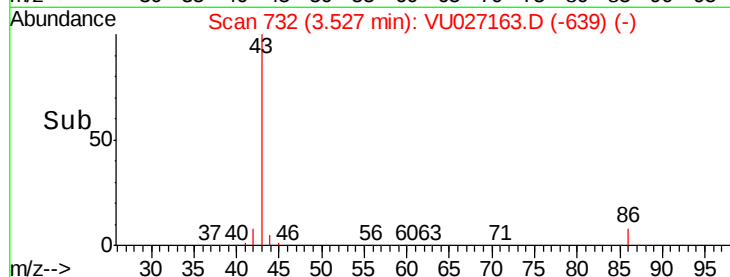
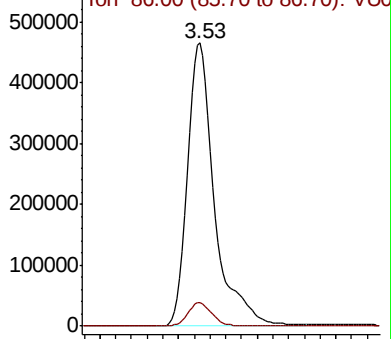
Ion Ratio Lower Upper

43 100

86 8.4 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VU027163.D (-639) (-)



#24

1,1-Dichloroethane

Concen: 66.181 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

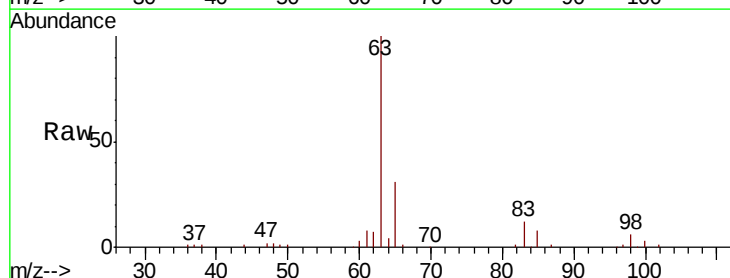
Tgt Ion: 63 Resp: 118029

Ion Ratio Lower Upper

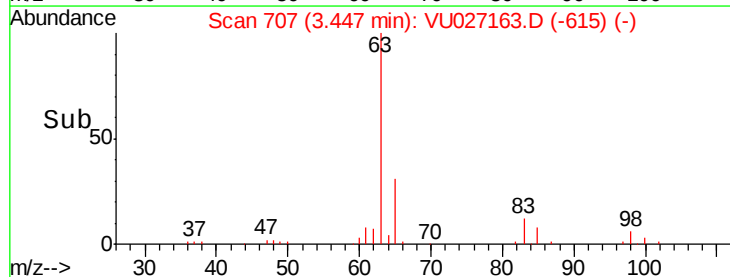
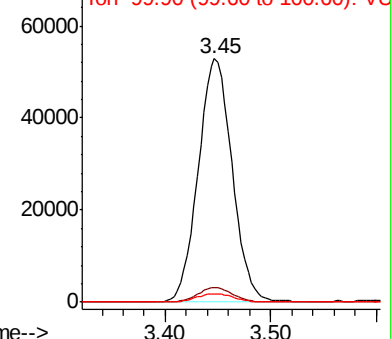
63 100

98 5.9 3.3 9.8

100 3.4 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU027163.D (-615) (-)





#25

2-Butanone

Concen: 379.170 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

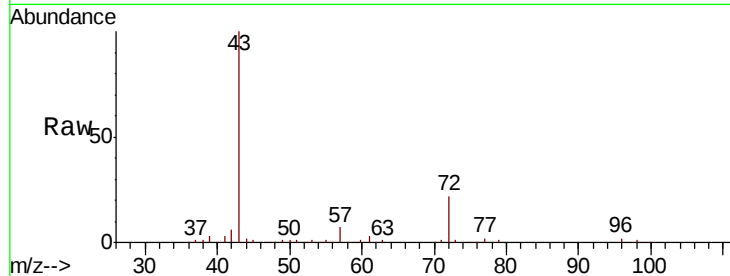
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 346597

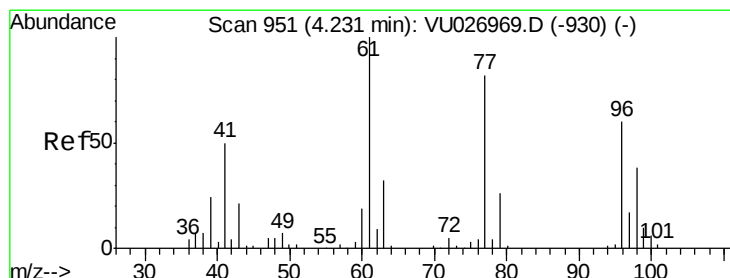
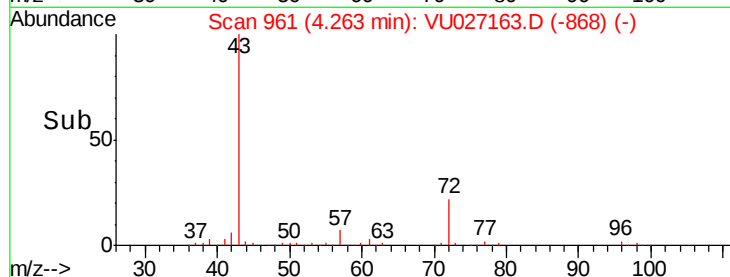
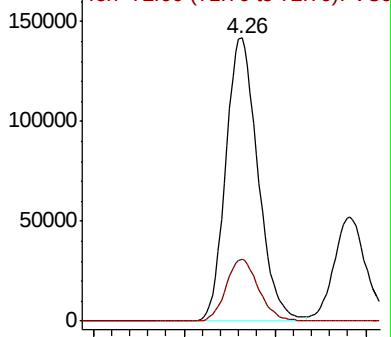
Ion Ratio Lower Upper

43 100

72 21.9 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VU027163.D (-868) (-)



#26

2,2-Dichloropropane

Concen: 39.676 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027163.D

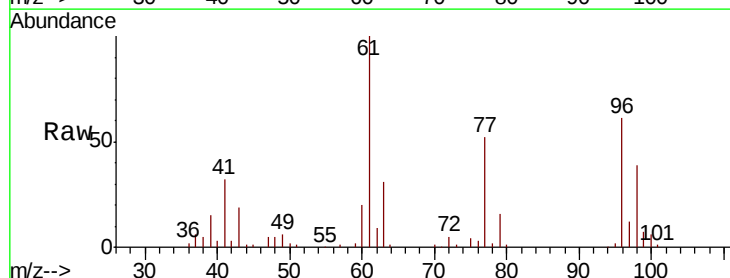
Acq: 26 Sep 2018 05:58

Tgt Ion: 77 Resp: 55184

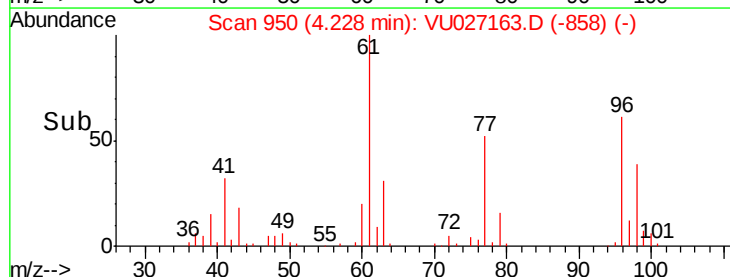
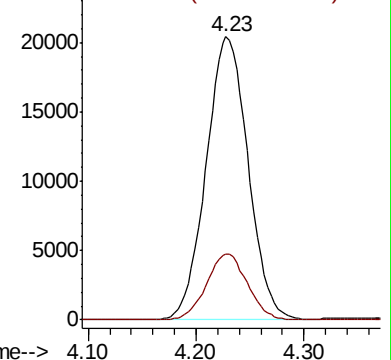
Ion Ratio Lower Upper

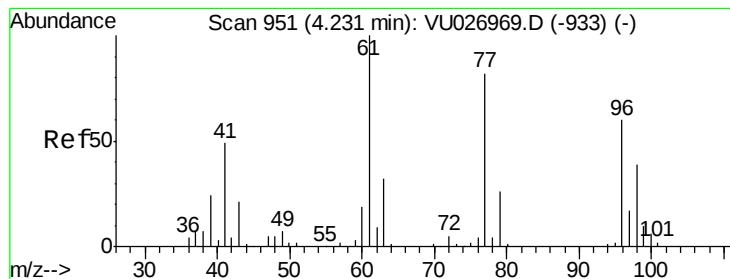
77 100

97 22.6 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU027163.D (-858) (-)



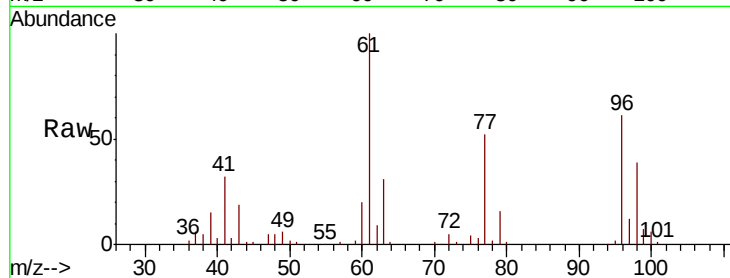


#27

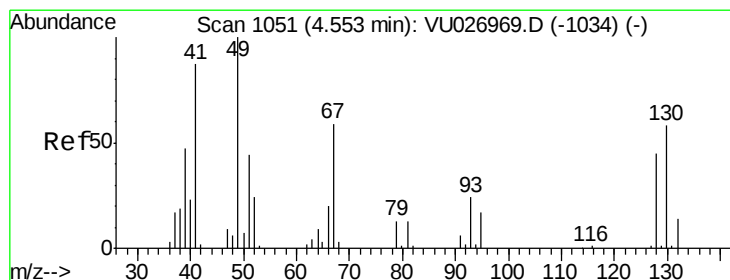
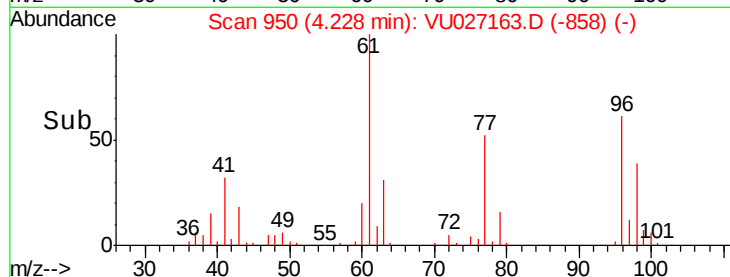
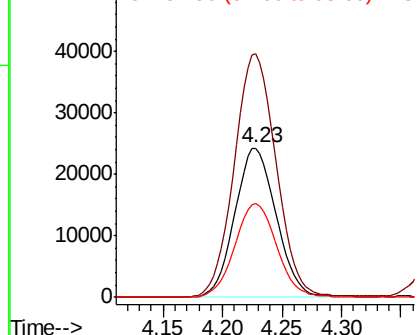
cis-1,2-Dichloroethene
 Concen: 64.986 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027163.D
 Acq: 26 Sep 2018 05:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 58486
 Ion Ratio Lower Upper
 96 100
 61 165.0 0.0 337.2
 98 63.7 0.0 127.6



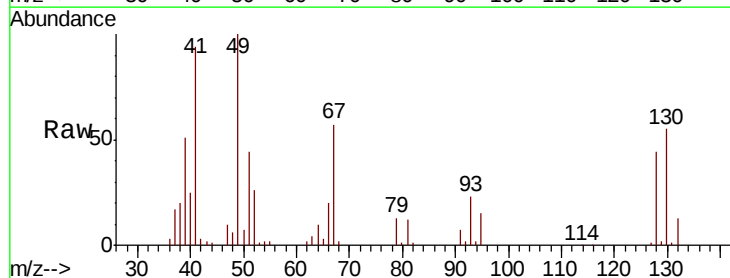
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



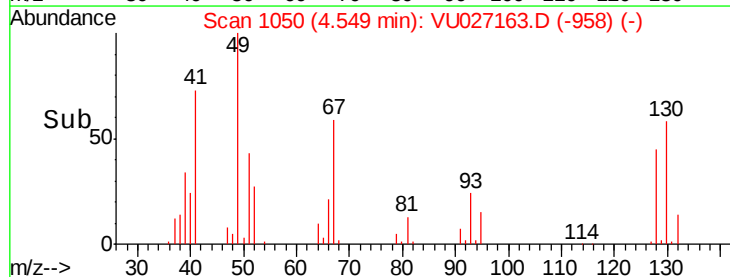
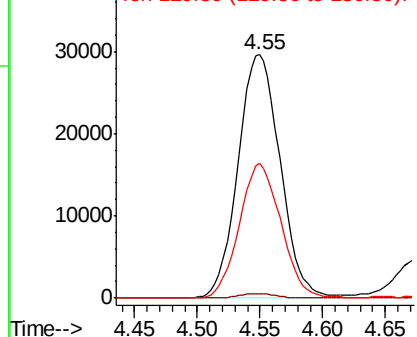
#28

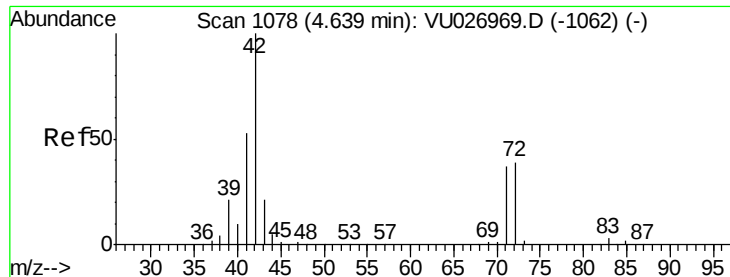
Bromochloromethane
 Concen: 80.587 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027163.D
 Acq: 26 Sep 2018 05:58

Tgt Ion: 49 Resp: 69280
 Ion Ratio Lower Upper
 49 100
 129 1.5 0.0 3.0
 130 54.3 47.8 71.8



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: 403.656 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

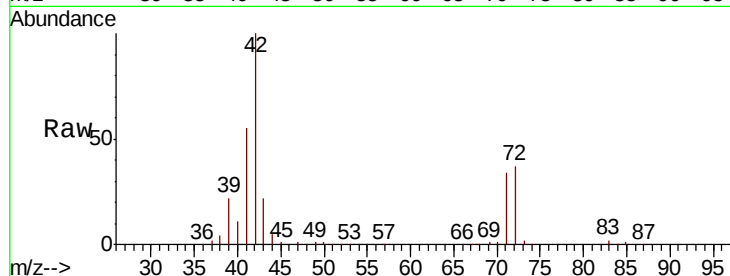
Tot Ion: 42 Resp: 223208

Ion Ratio Lower Upper

42 100

72 36.8 31.7 47.5

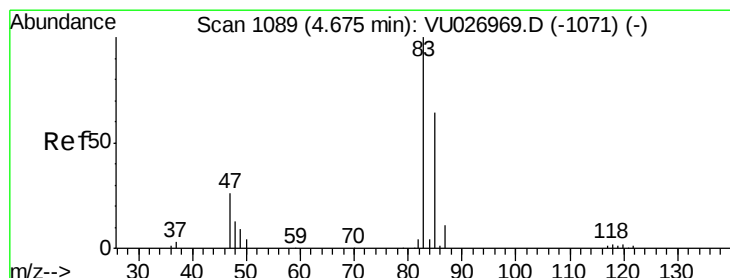
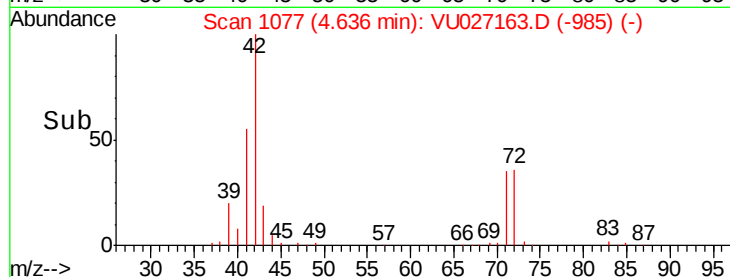
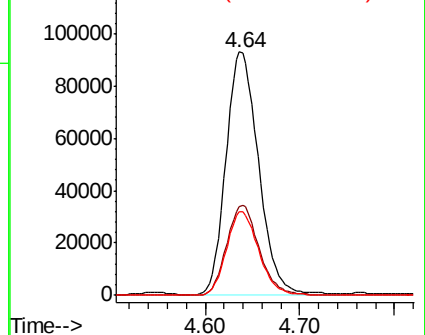
71 34.2 29.6 44.4



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 64.925 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU027163.D

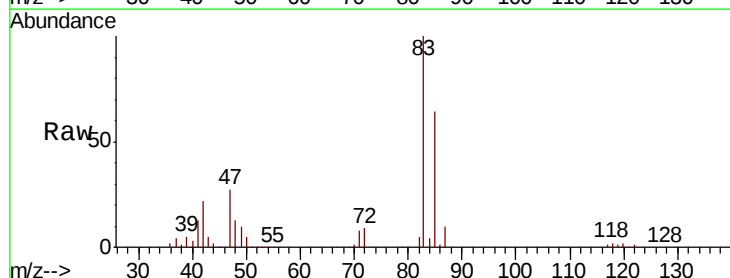
Acq: 26 Sep 2018 05:58

Tgt Ion: 83 Resp: 107479

Ion Ratio Lower Upper

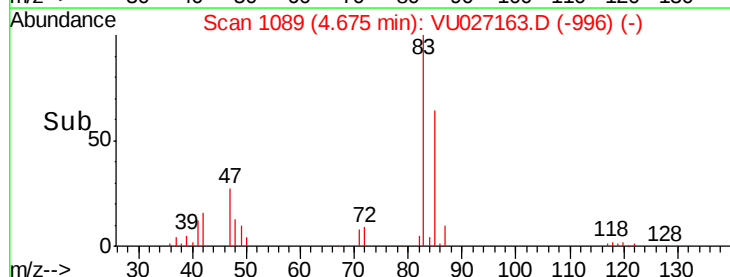
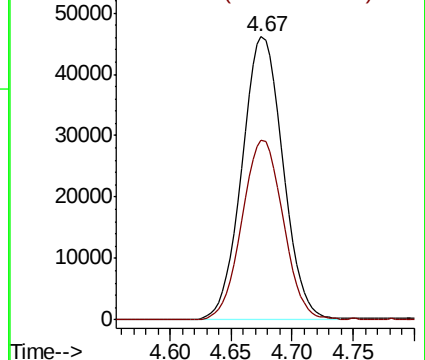
83 100

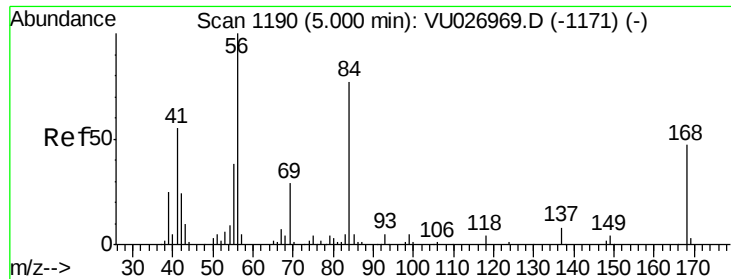
85 63.5 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

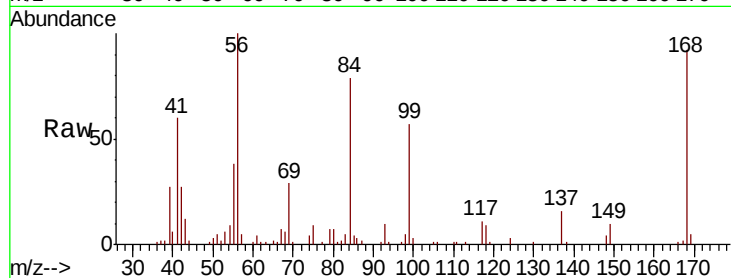




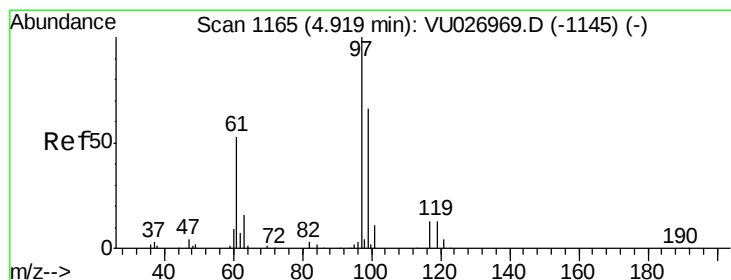
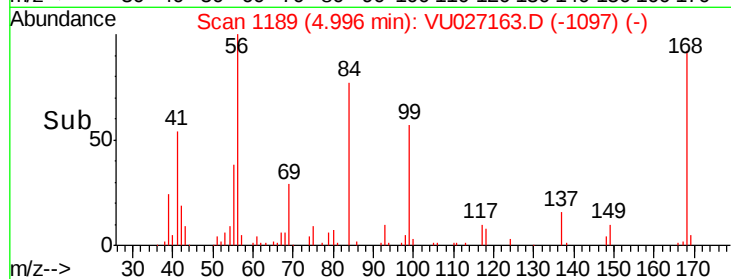
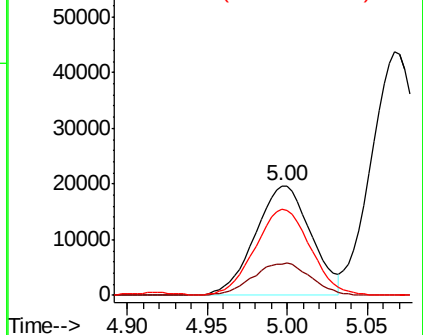
#31
Cyclohexane
Concen: 29.078 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 47530
Ion Ratio Lower Upper
56 100
69 28.8 23.0 34.4
84 77.9 61.4 92.2

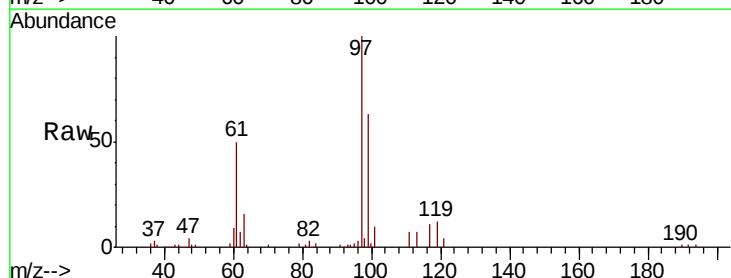


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

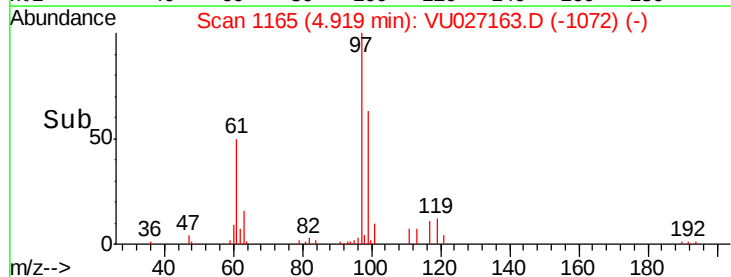
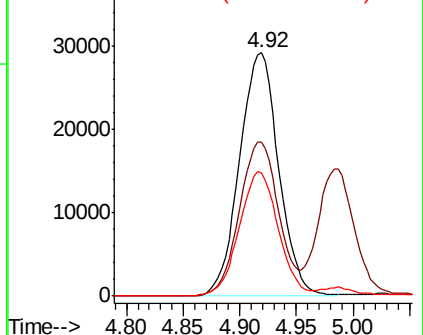


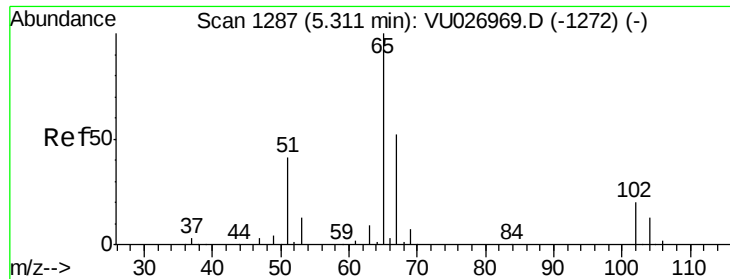
#32
1,1,1-Trichloroethane
Concen: 53.333 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

Tgt Ion: 97 Resp: 70492
Ion Ratio Lower Upper
97 100
99 63.6 51.8 77.6
61 50.9 41.1 61.7



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

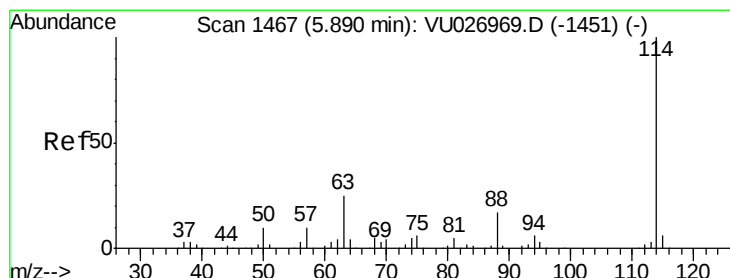
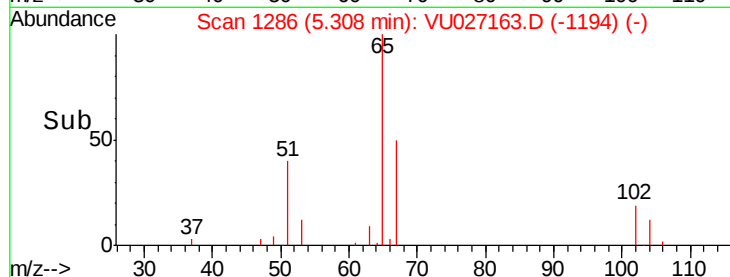
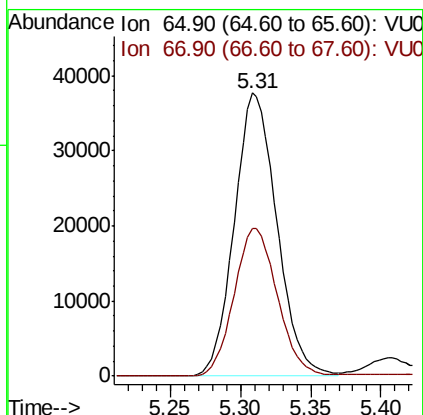
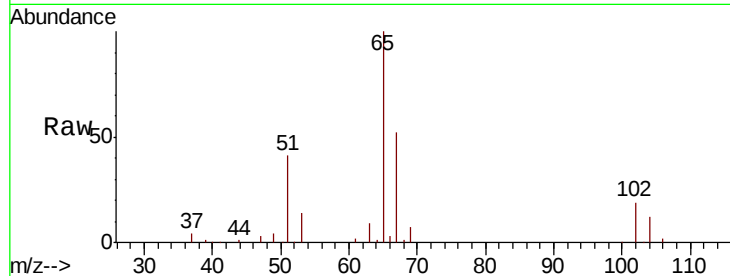




#33
 1,2-Dichloroethane-d4
 Concen: 73.193 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU027163.D
 Acq: 26 Sep 2018 05:58

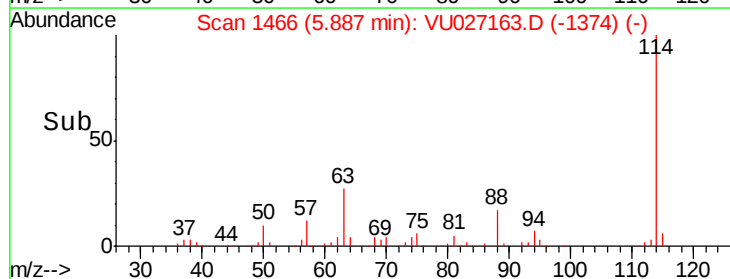
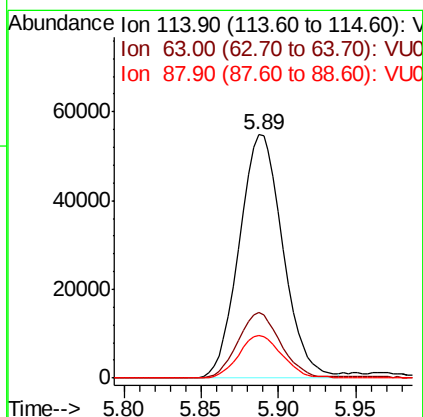
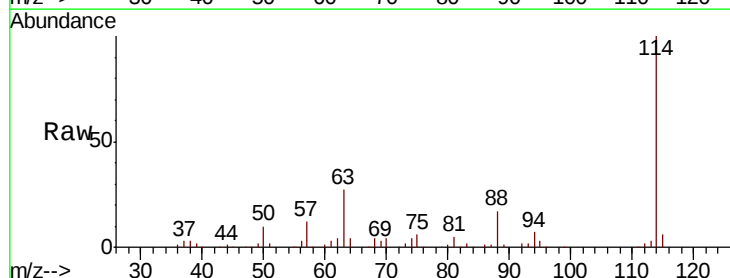
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 79612
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027163.D
 Acq: 26 Sep 2018 05:58

Tgt Ion: 114 Resp: 108024
 Ion Ratio Lower Upper
 114 100
 63 26.9 0.0 49.2
 88 17.4 0.0 33.8

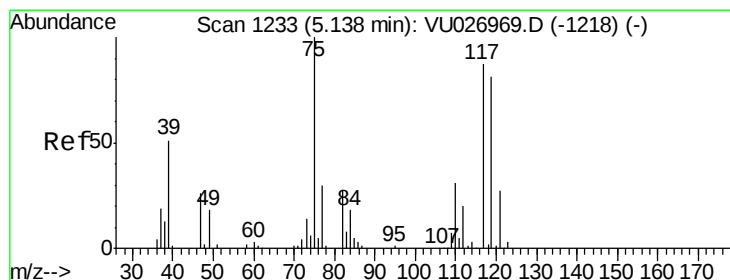
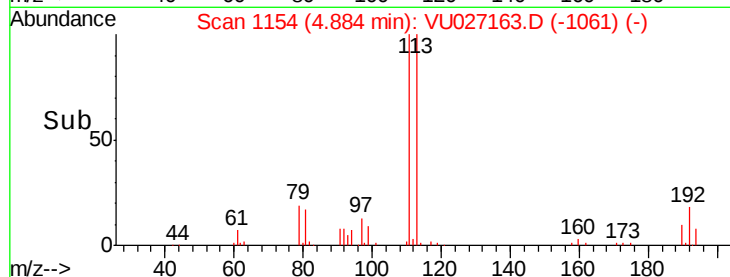
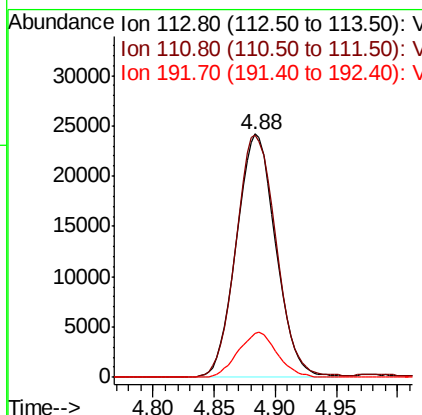
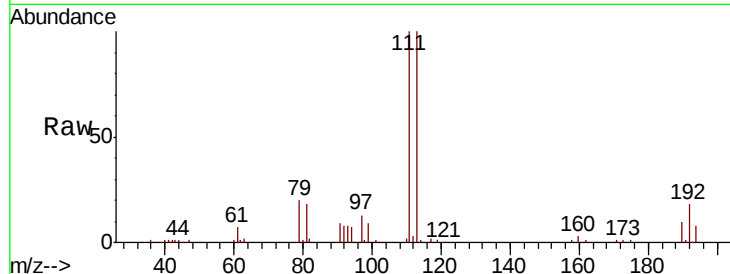




#35
 Dibromofluoromethane
 Concen: 57.745 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027163.D
 Acq: 26 Sep 2018 05:58

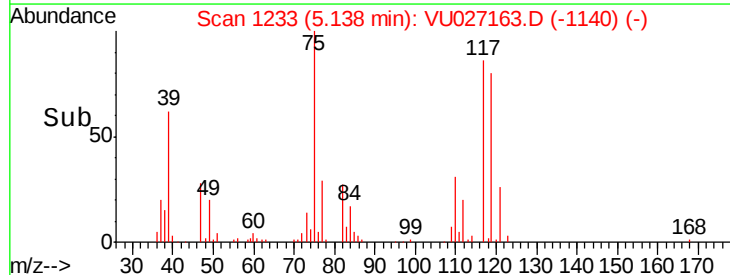
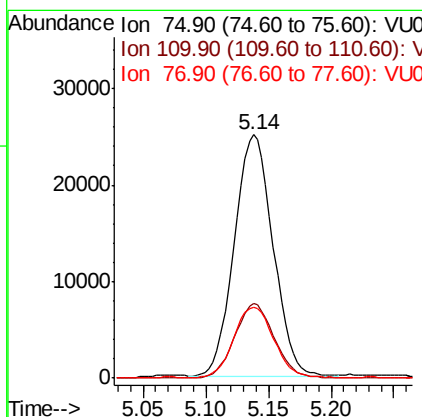
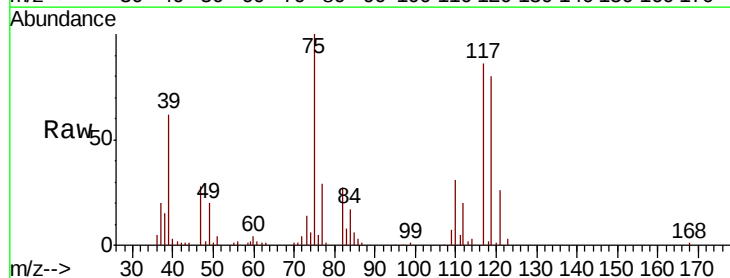
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

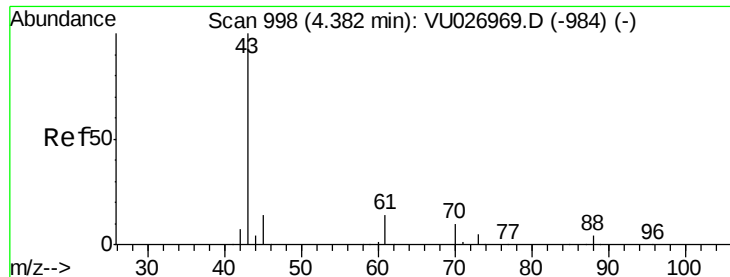
Tot Ion:113 Resp: 54070
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.2 123.4
 192 18.3 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 37.096 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027163.D
 Acq: 26 Sep 2018 05:58

Tgt Ion: 75 Resp: 53482
 Ion Ratio Lower Upper
 75 100
 110 31.5 16.1 48.2
 77 30.8 24.6 36.8





#37

Ethyl Acetate

Concen: 65.280 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

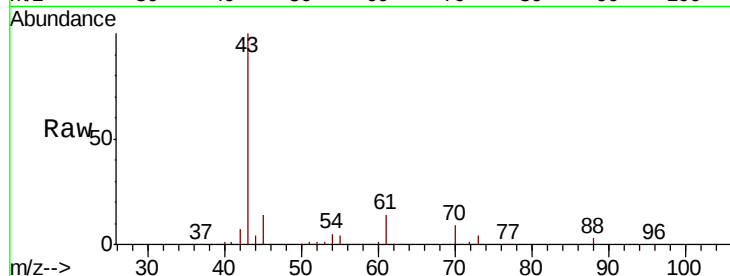
Tot Ion: 43 Resp: 127406

Ion Ratio Lower Upper

43 100

61 13.1 10.5 15.7

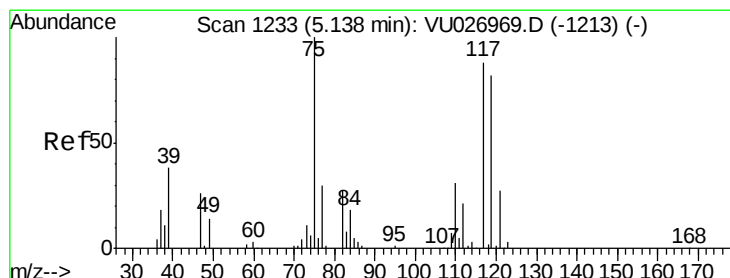
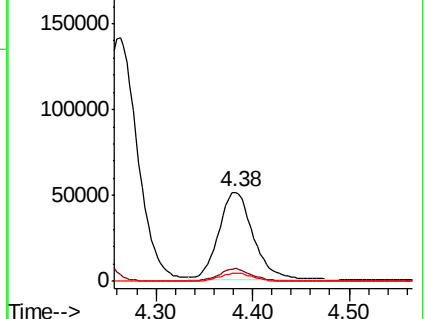
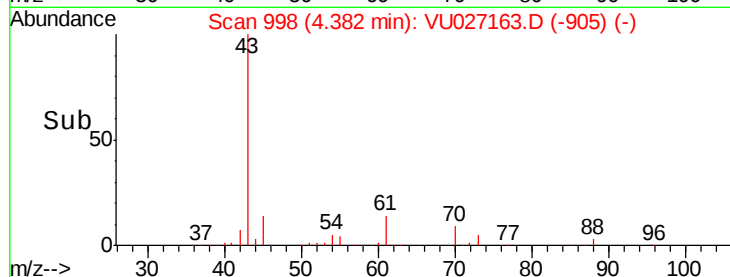
70 9.0 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VU027163.D (-905) (-)

Ion 60.90 (60.60 to 61.60): VU027163.D (-905) (-)

Ion 70.00 (69.70 to 70.70): VU027163.D (-905) (-)



#38

Carbon Tetrachloride

Concen: 36.504 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

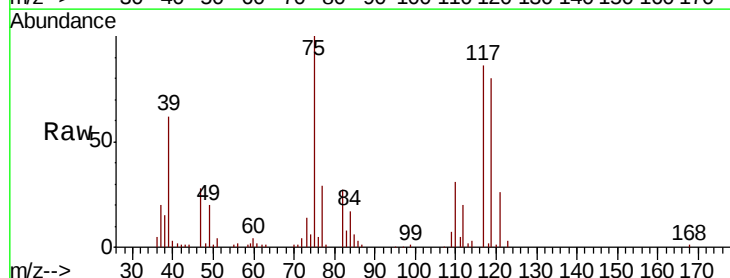
Tgt Ion: 117 Resp: 50082

Ion Ratio Lower Upper

117 100

119 93.4 74.4 111.6

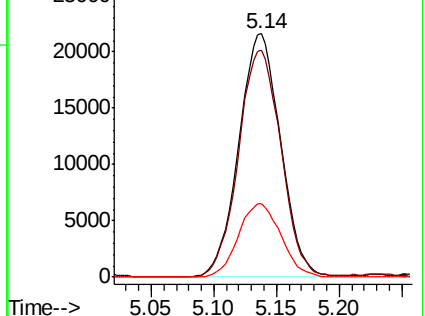
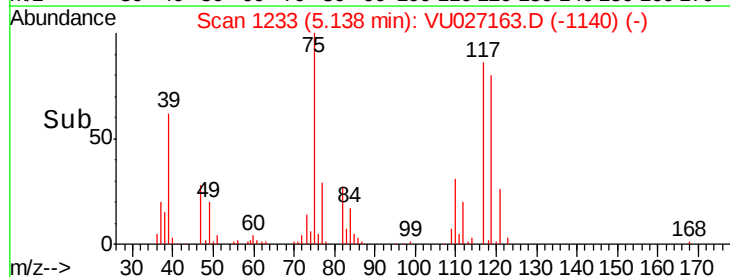
121 29.9 24.2 36.4



Abundance Ion 116.80 (116.50 to 117.50): VU027163.D (-1140) (-)

Ion 118.80 (118.50 to 119.50): VU027163.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU027163.D (-1140) (-)

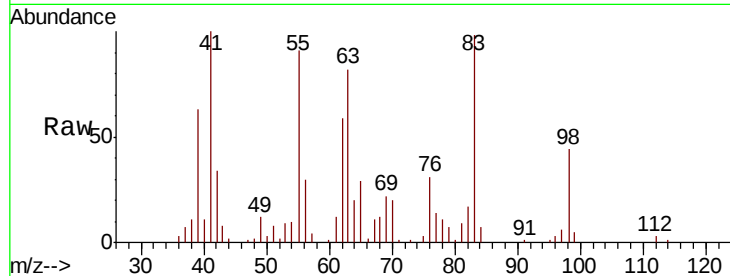




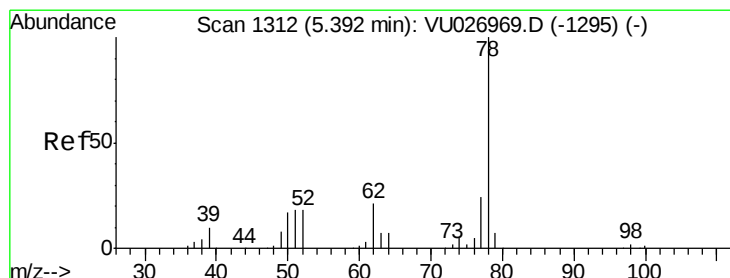
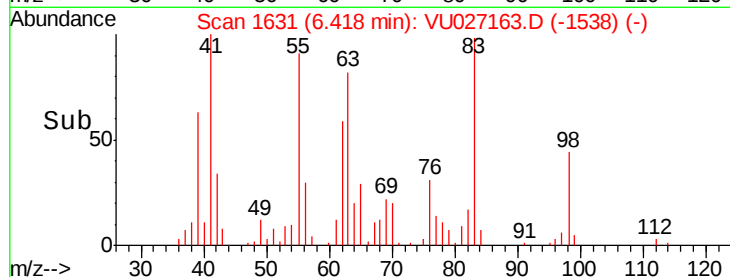
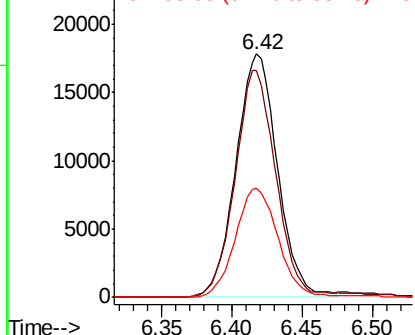
#39
Methvlcvclohexane
Concen: 23.501 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 36819
Ion Ratio Lower Upper
83 100
55 93.4 69.9 104.9
98 44.7 37.5 56.3

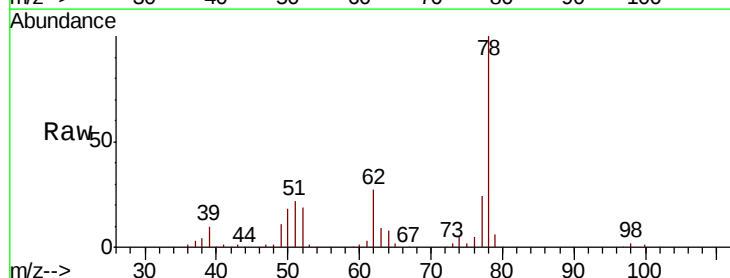


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

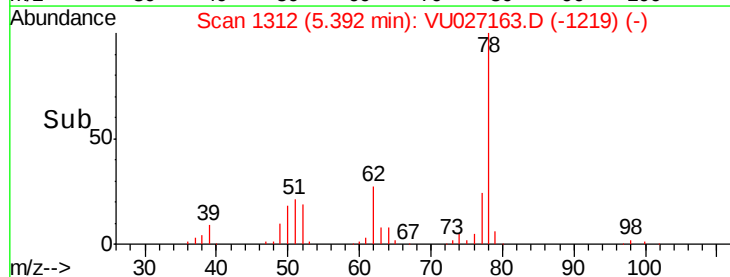
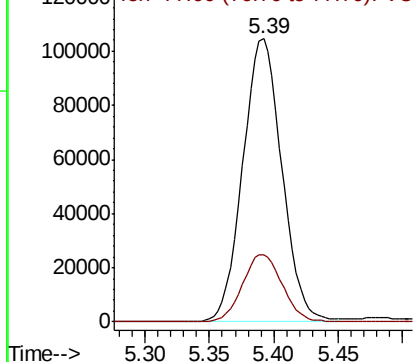


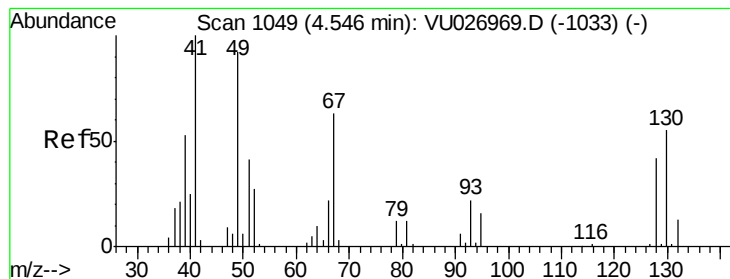
#40
Benzene
Concen: 50.445 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

Tgt Ion: 78 Resp: 221088
Ion Ratio Lower Upper
78 100
77 23.7 19.4 29.0



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

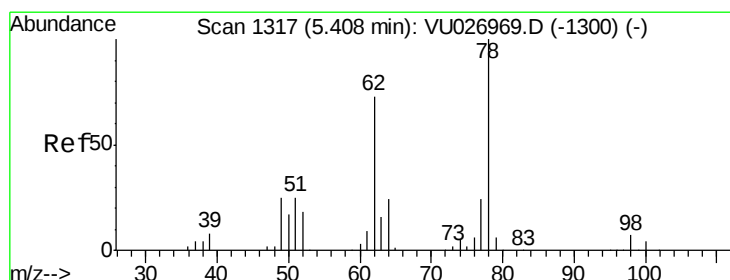
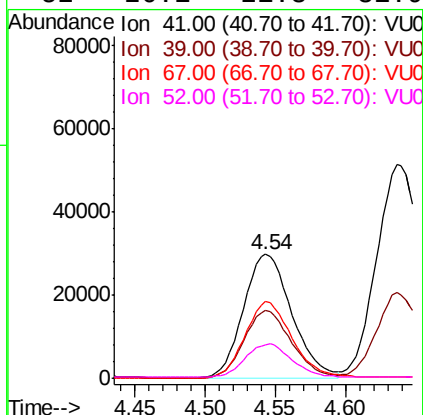
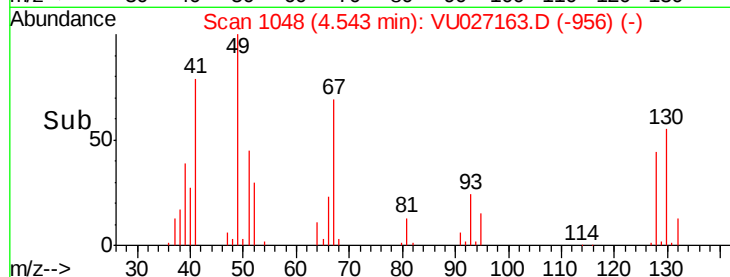
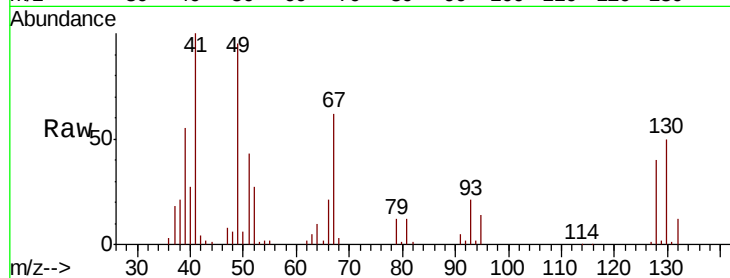




#41
Methacrylonitrile
Concen: 70.555 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

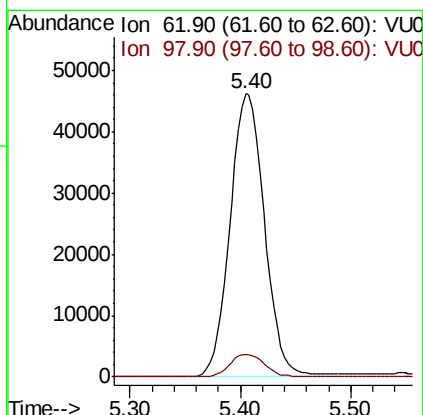
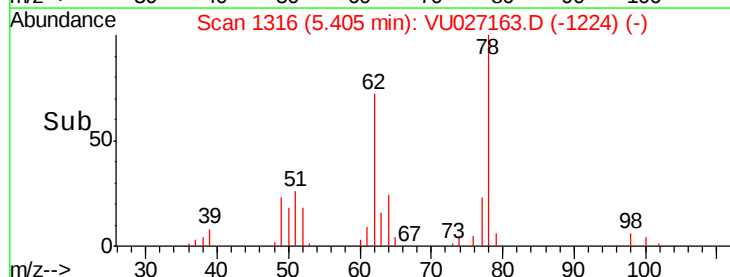
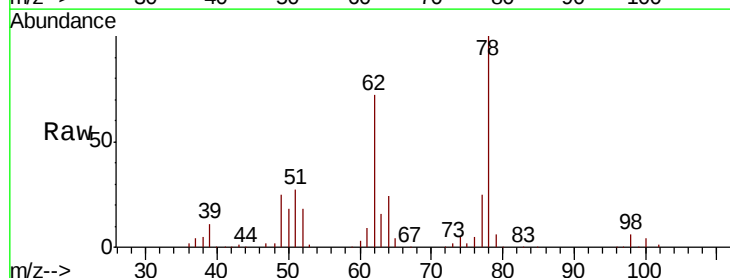
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	71514
Ion	Ratio	Lower	Upper
41	100		
39	53.0	42.9	64.3
67	60.9	52.4	78.6
52	26.1	21.3	31.9



#42
1,2-Dichloroethane
Concen: 60.584 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

Tgt Ion:	62	Resp:	100319
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	17.0





#43

Isopropyl Acetate

Concen: 68.760 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

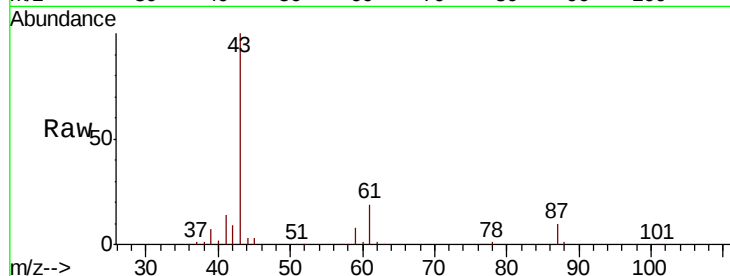
Tot Ion: 43 Resp: 195710

Ion Ratio Lower Upper

43 100

61 18.7 15.7 23.5

87 10.1 9.0 13.4

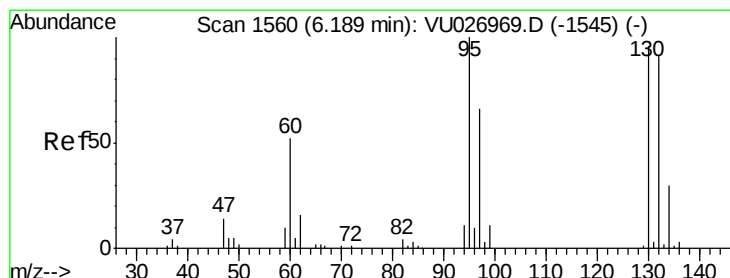
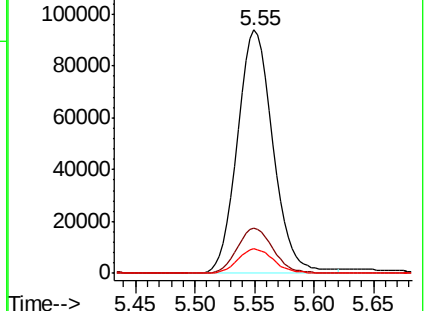
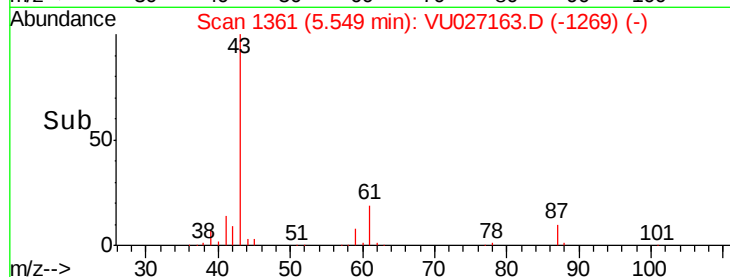


Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU026969.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU026969.D (-1342) (-)

Time-->



#44

Trichloroethene

Concen: 43.878 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027163.D

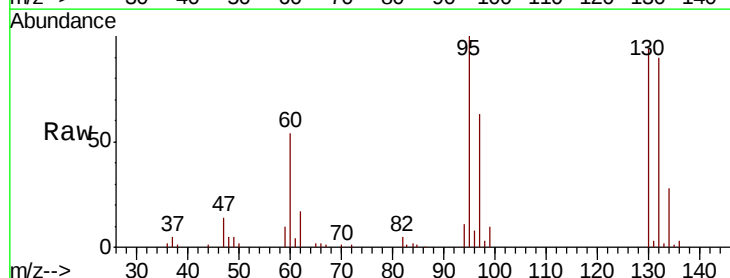
Acq: 26 Sep 2018 05:58

Tgt Ion:130 Resp: 40940

Ion Ratio Lower Upper

130 100

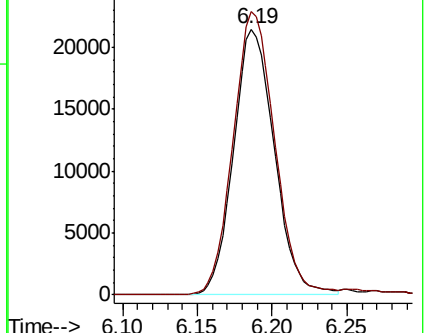
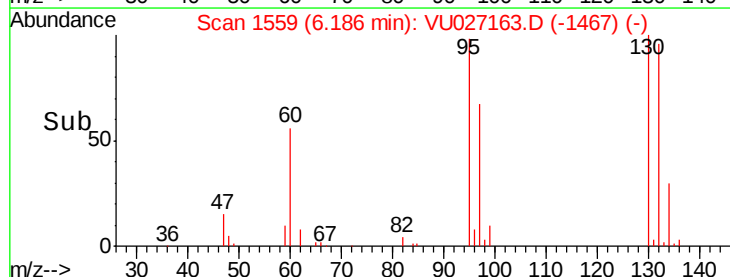
95 106.5 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): VU026969.D (-1545) (-)

Ion 94.90 (94.60 to 95.60): VU026969.D (-1545) (-)

Time-->

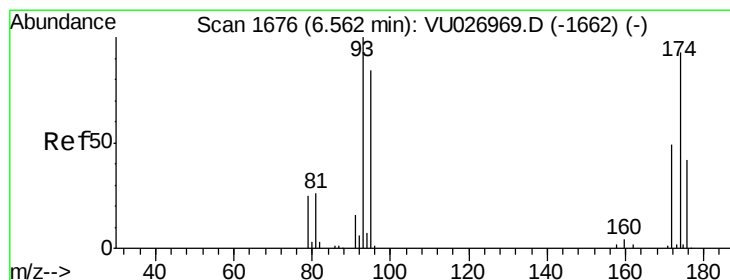
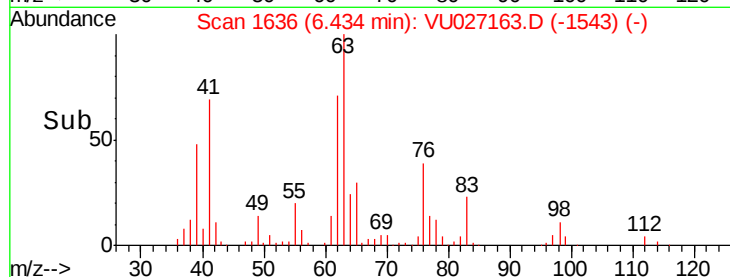
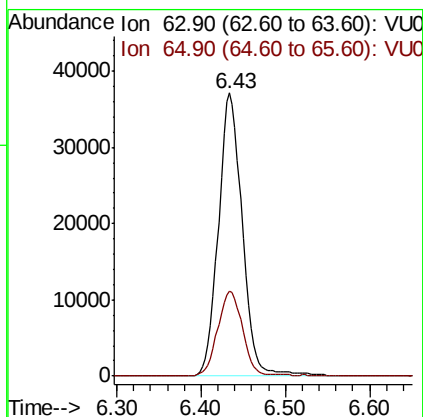
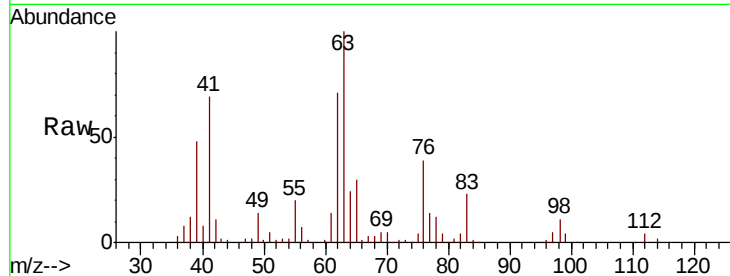




#45
 1,2-Dichloropropane
 Concen: 58.625 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027163.D
 Acq: 26 Sep 2018 05:58

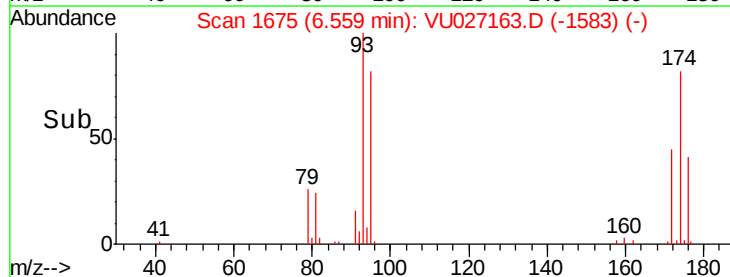
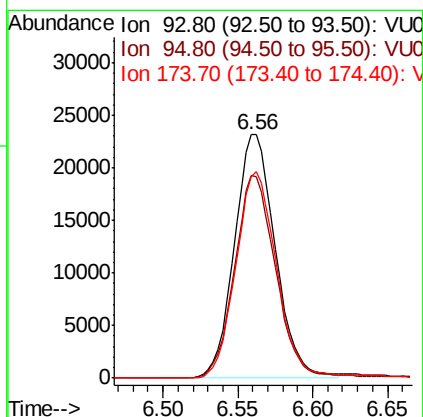
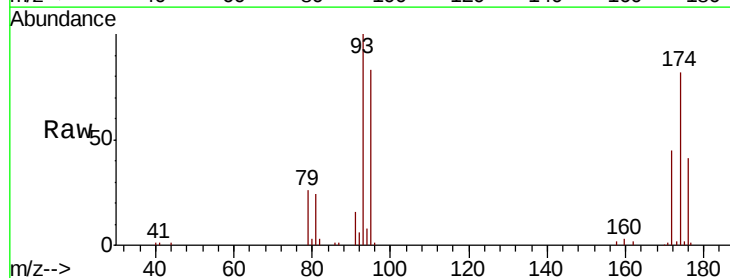
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

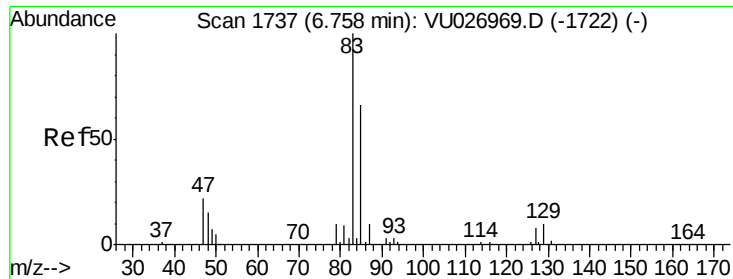
Tot Ion: 63 Resp: 73211
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.3 36.5



#46
 Dibromomethane
 Concen: 58.317 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027163.D
 Acq: 26 Sep 2018 05:58

Tgt Ion: 93 Resp: 43983
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.2 99.4
 174 84.7 71.7 107.5

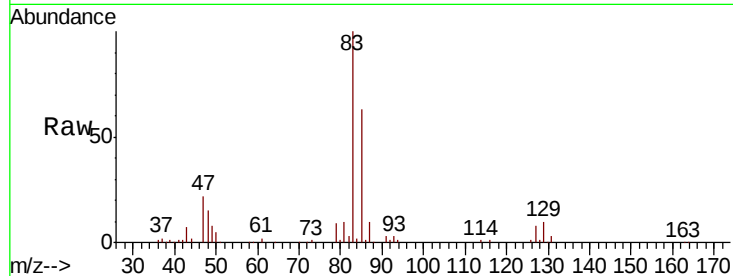




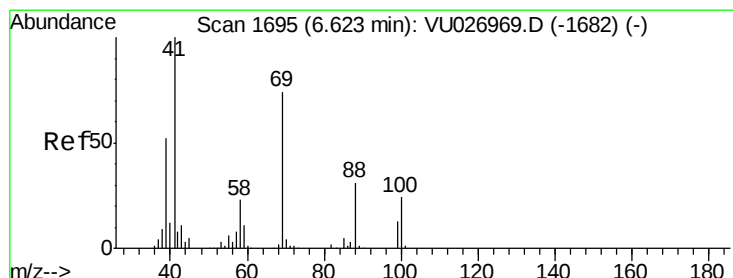
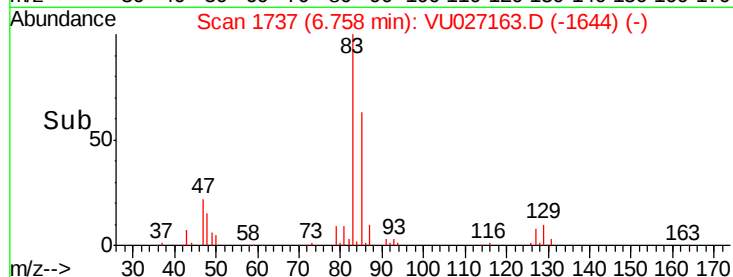
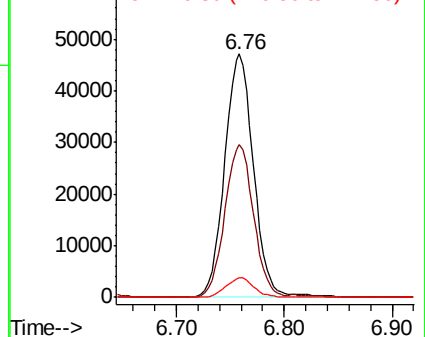
#47
Bromodichloromethane
Concen: 57.543 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 87756
Ion Ratio Lower Upper
83 100
85 62.7 52.5 78.7
127 8.1 6.3 9.5

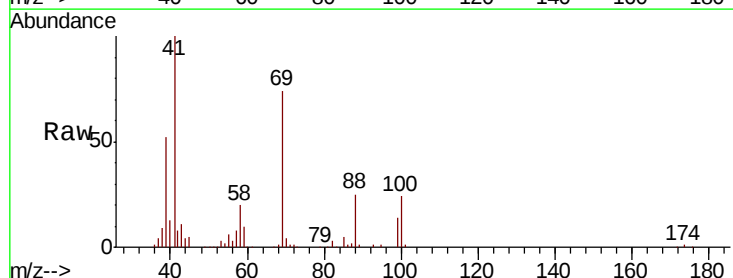


Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V

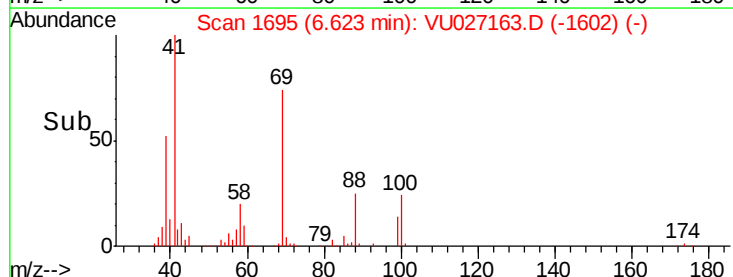
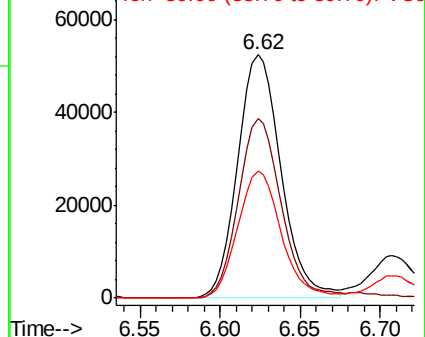


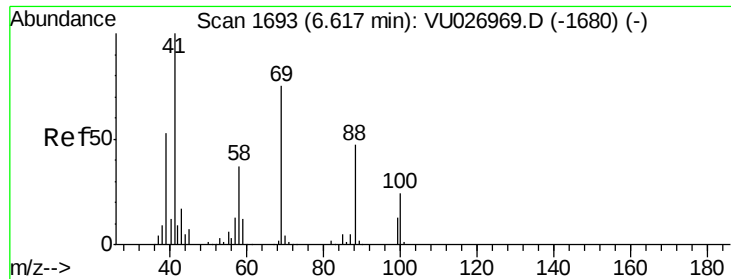
#48
Methyl methacrylate
Concen: 62.736 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

Tgt Ion: 41 Resp: 97597
Ion Ratio Lower Upper
41 100
69 74.9 60.6 90.8
39 52.1 42.8 64.2



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

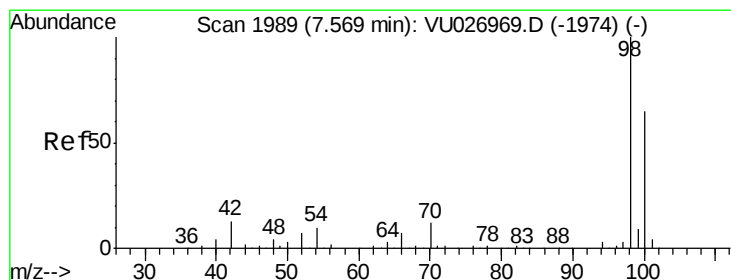
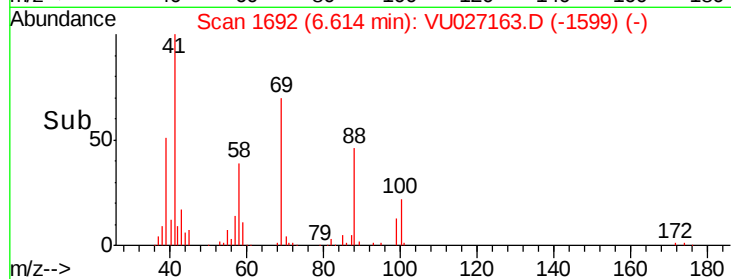
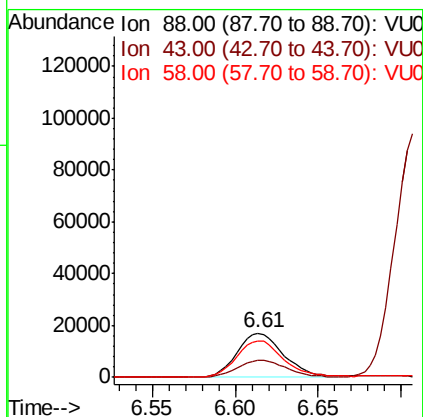
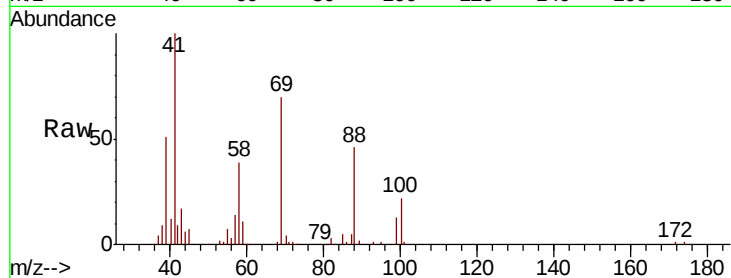




#49
1,4-Dioxane
Concen: 1064.952 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

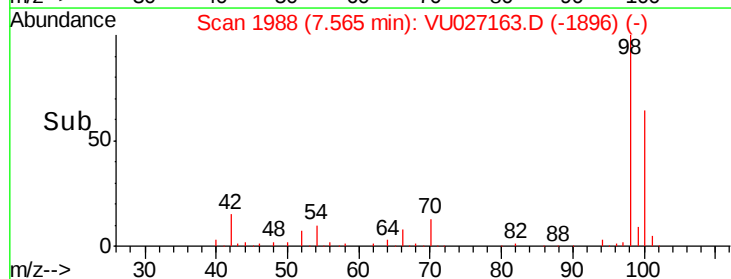
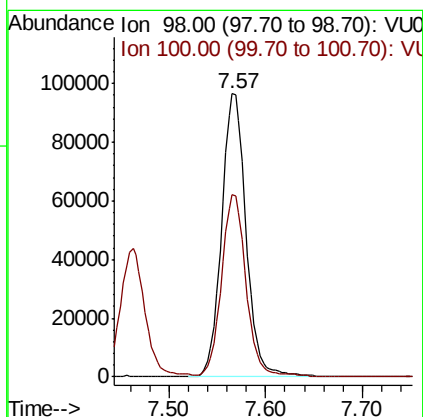
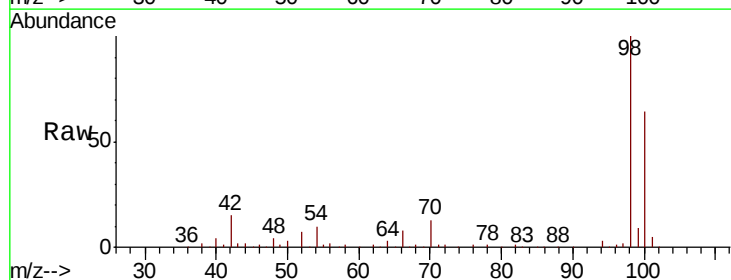
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 32761
Ion Ratio Lower Upper
88 100
43 42.0 29.8 44.8
58 85.7 63.9 95.9



#50
Toluene-d8
Concen: 47.564 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

Tgt Ion: 98 Resp: 169733
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 349.745 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

Instrument :

MSVOA_U

ClientSampleId :

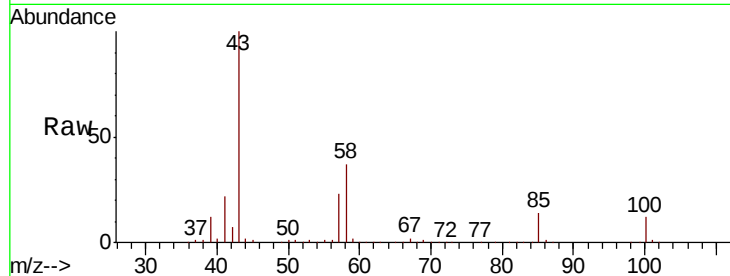
VSTDCCC050

Tot Ion: 43 Resp: 669518

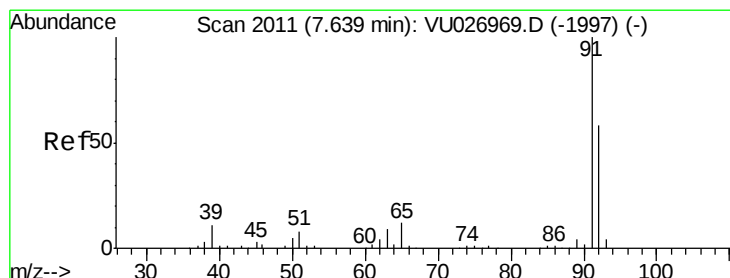
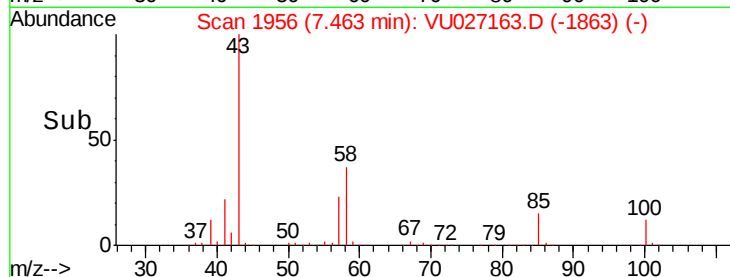
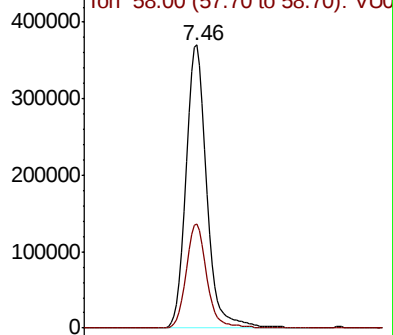
Ion Ratio Lower Upper

43 100

58 36.6 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VU027163.D (-1863) (-)



#52

Toluene

Concen: 48.102 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027163.D

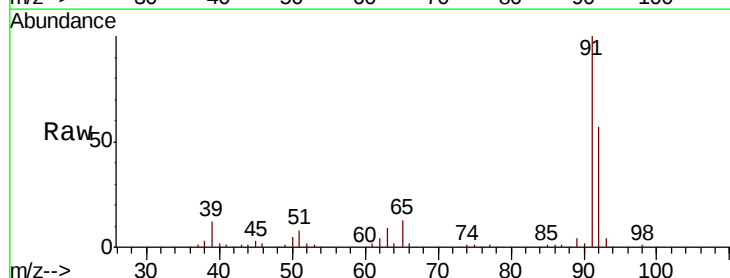
Acq: 26 Sep 2018 05:58

Tgt Ion: 92 Resp: 120841

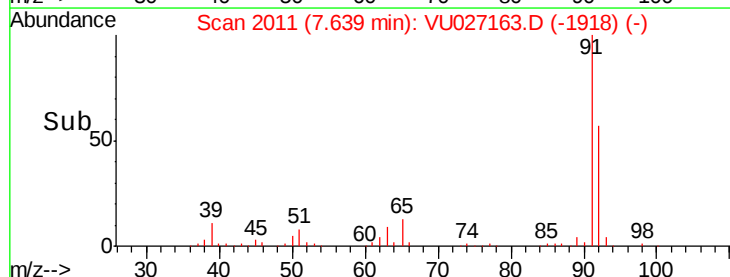
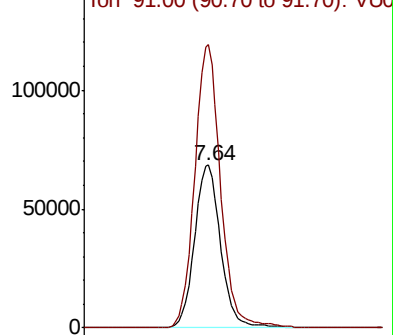
Ion Ratio Lower Upper

92 100

91 172.3 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU027163.D (-1918) (-)

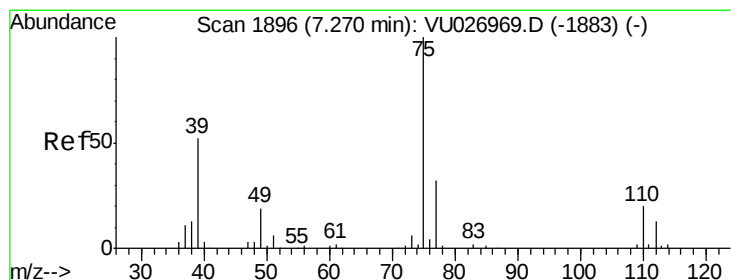
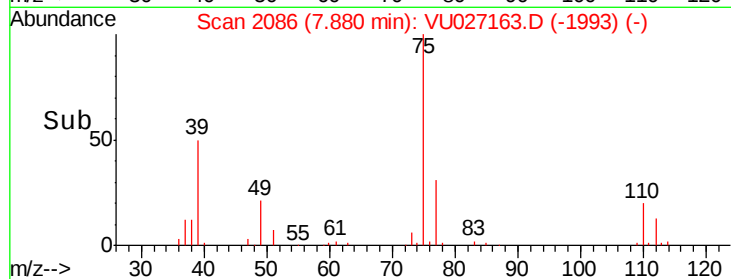
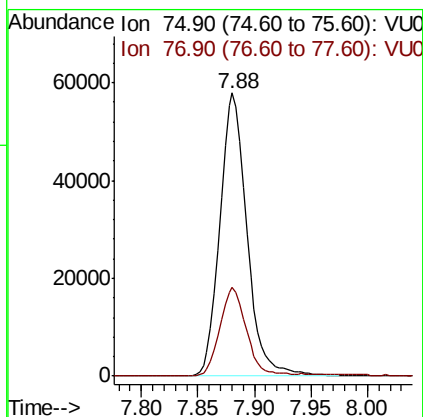
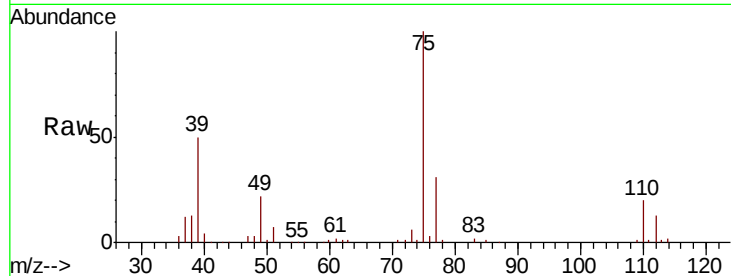




#53
t-1,3-Dichloropropene
Concen: 58.918 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

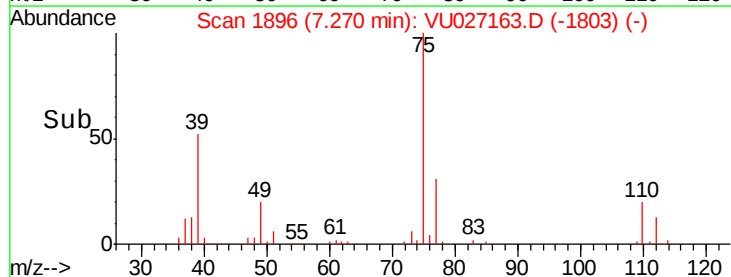
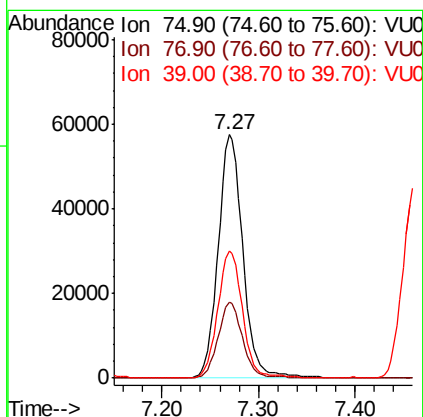
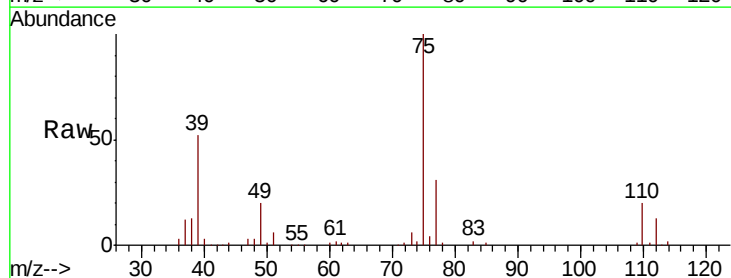
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

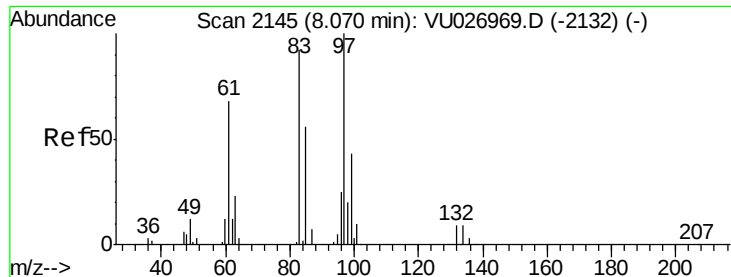
Tot Ion: 75 Resp: 96539
Ion Ratio Lower Upper
75 100
77 31.4 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 56.559 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

Tgt Ion: 75 Resp: 101897
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.0
39 52.0 41.6 62.4

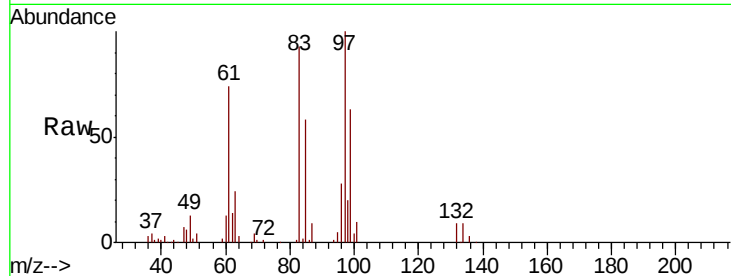




#55
 1,1,2-Trichloroethane
 Concen: 59.537 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027163.D
 Acq: 26 Sep 2018 05:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	63376
Ion	Ratio	Lower	Upper
97	100		
83	92.9	73.1	109.7
85	58.0	46.7	70.1
99	63.3	50.0	75.0



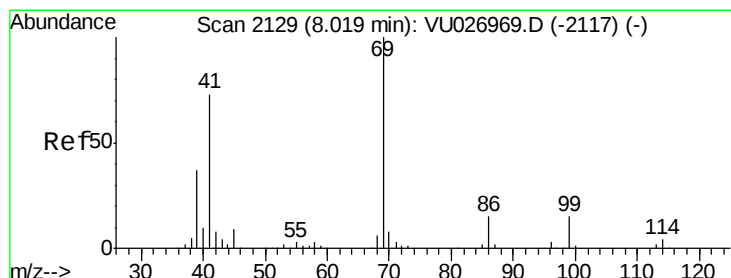
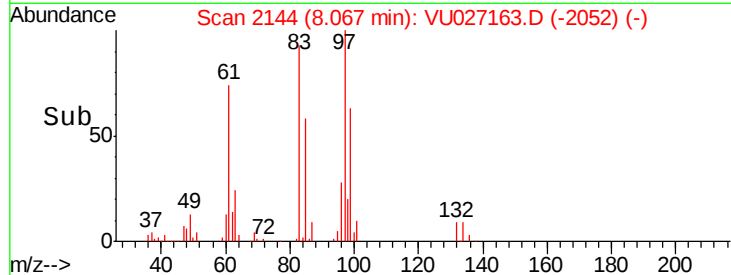
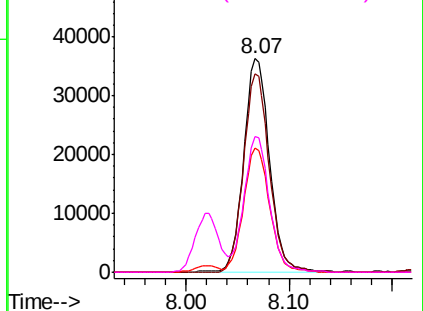
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

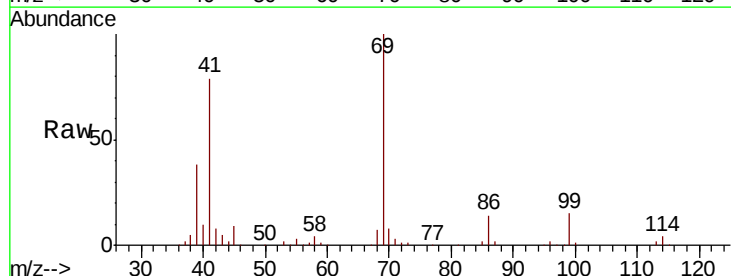
Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56
 Ethyl methacrylate
 Concen: 58.666 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027163.D
 Acq: 26 Sep 2018 05:58

Tgt Ion:	69	Resp:	109090
Ion	Ratio	Lower	Upper
69	100		
41	76.8	59.0	88.4
39	37.5	30.2	45.4

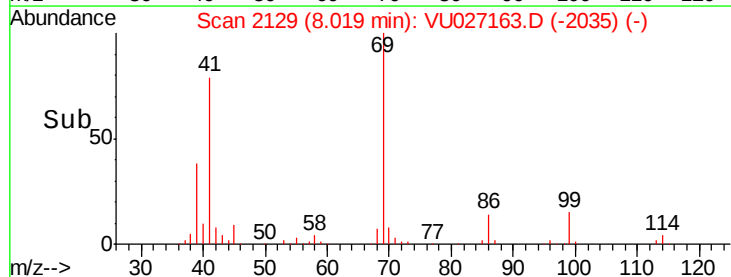
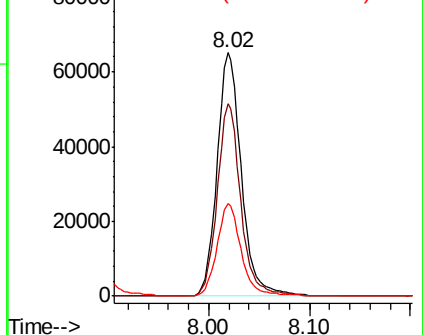


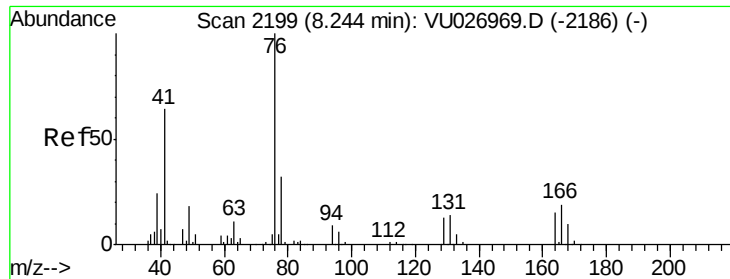
Abundance

Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 60.373 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

Instrument :

MSVOA_U

ClientSampleId :

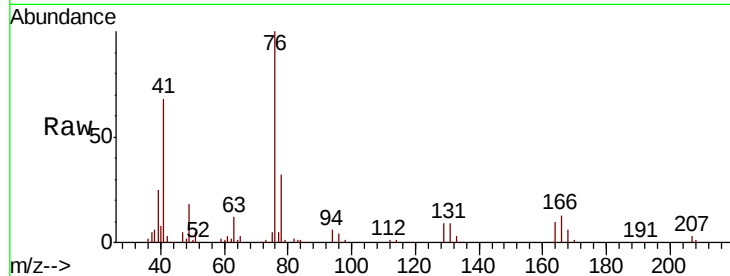
VSTDCCC050

Tot Ion: 76 Resp: 119529

Ion Ratio Lower Upper

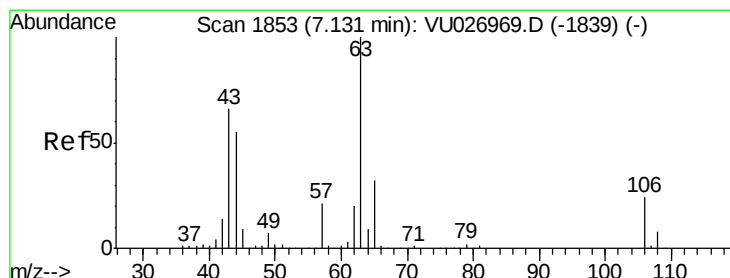
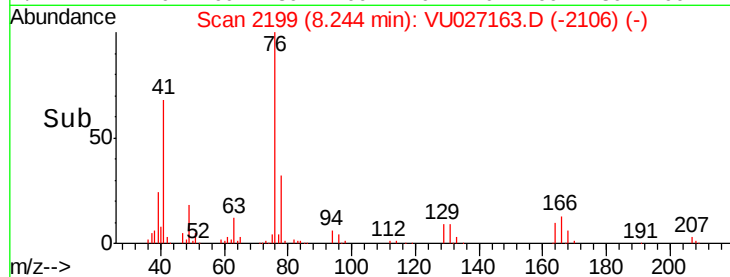
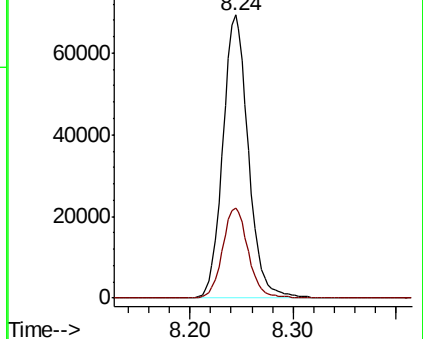
76 100

78 31.9 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VU026969.D (-2186) (-)

Ion 77.90 (77.60 to 78.60): VU026969.D (-2186) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 300.937 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VU027163.D

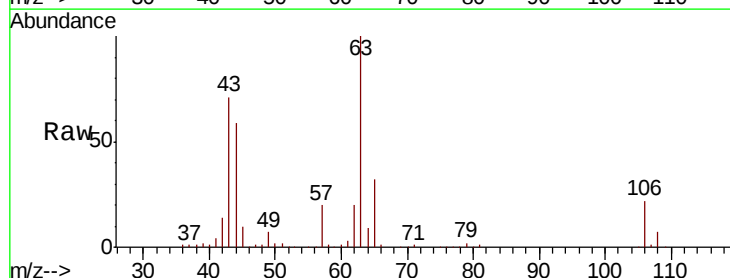
Acq: 26 Sep 2018 05:58

Tgt Ion: 63 Resp: 316500

Ion Ratio Lower Upper

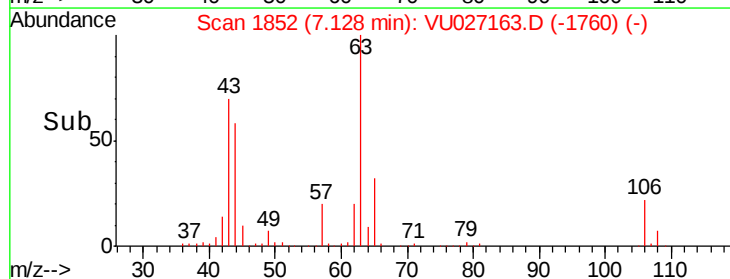
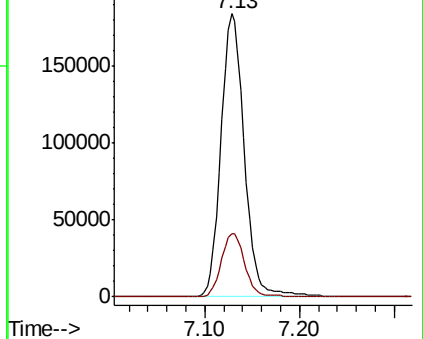
63 100

106 22.7 18.7 28.1



Abundance Ion 62.90 (62.60 to 63.60): VU026969.D (-1839) (-)

Ion 105.90 (105.60 to 106.60): VU026969.D (-1839) (-)

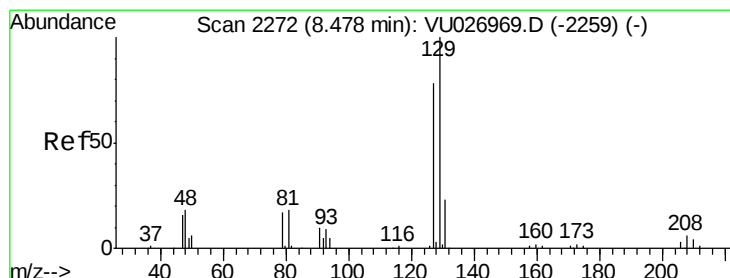
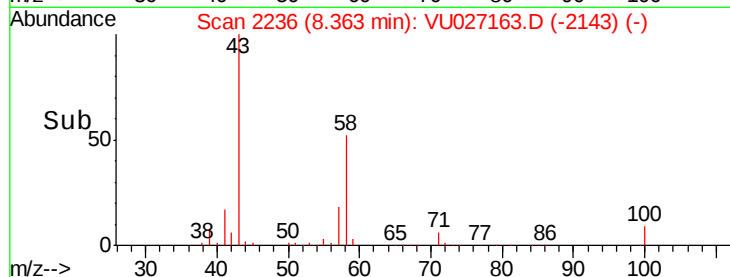
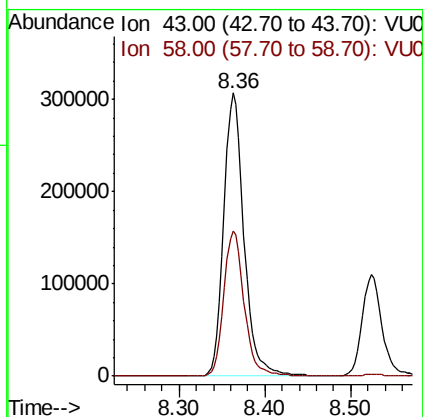
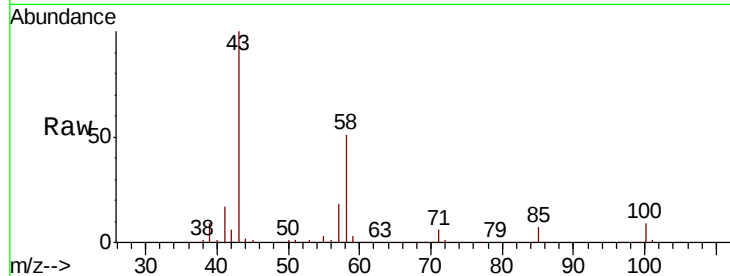




#59
2-Hexanone
Concen: 337.011 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

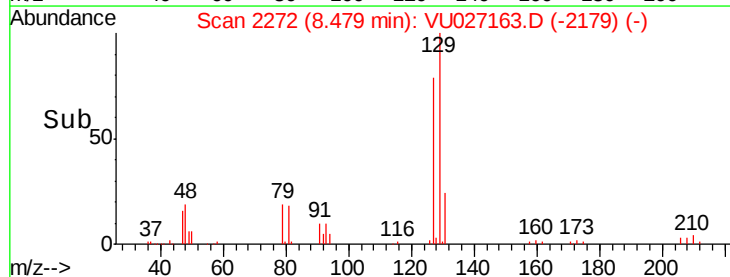
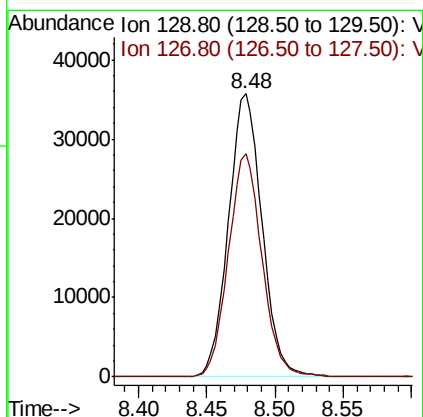
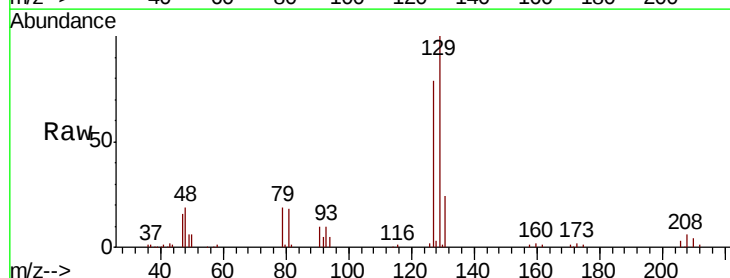
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

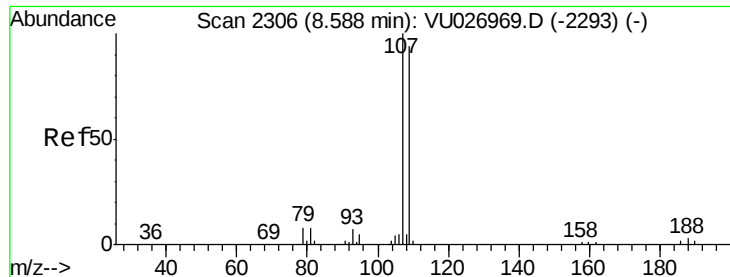
Tot Ion: 43 Resp: 505004
Ion Ratio Lower Upper
43 100
58 51.4 26.1 78.2



#60
Dibromochloromethane
Concen: 58.510 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

Tgt Ion: 129 Resp: 61093
Ion Ratio Lower Upper
129 100
127 78.8 38.1 114.5





#61

1,2-Dibromoethane

Concen: 58.896 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

Instrument :

MSVOA_U

ClientSampleId :

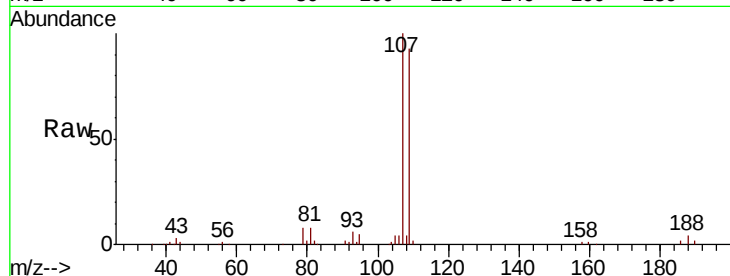
VSTDCCC050

Tot Ion:107 Resp: 65231

Ion Ratio Lower Upper

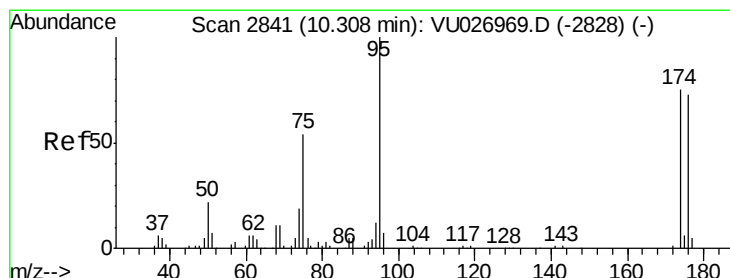
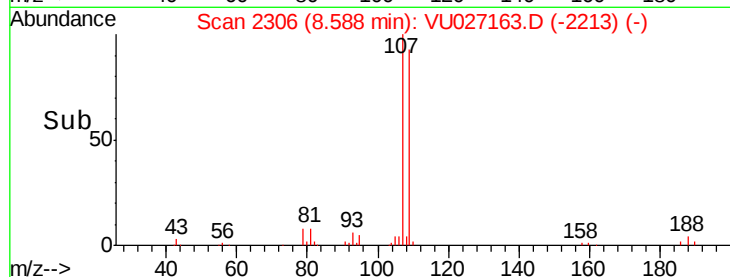
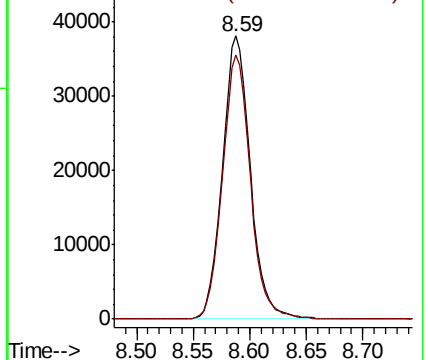
107 100

109 93.6 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.132 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

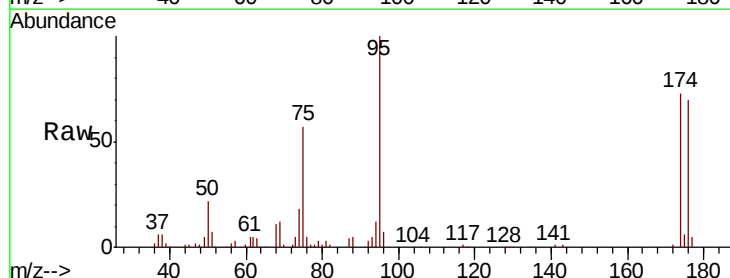
Tgt Ion: 95 Resp: 62609

Ion Ratio Lower Upper

95 100

174 72.8 0.0 150.2

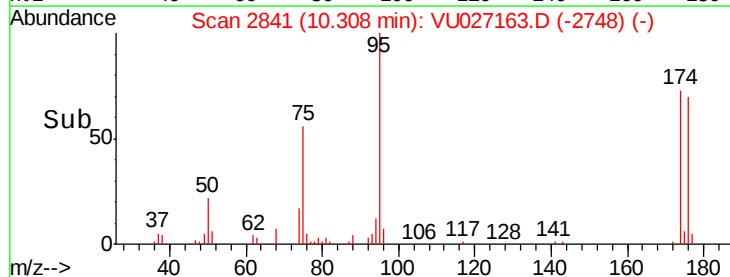
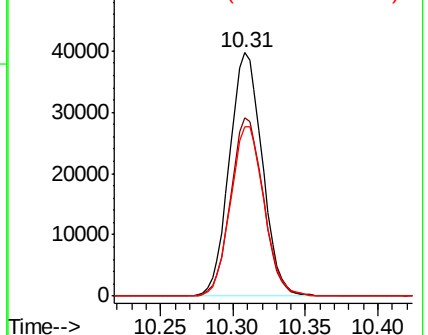
176 71.0 0.0 145.2

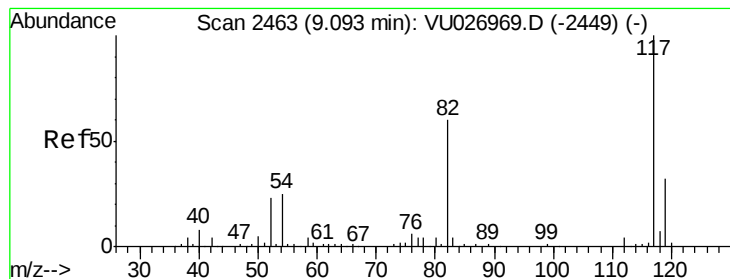


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

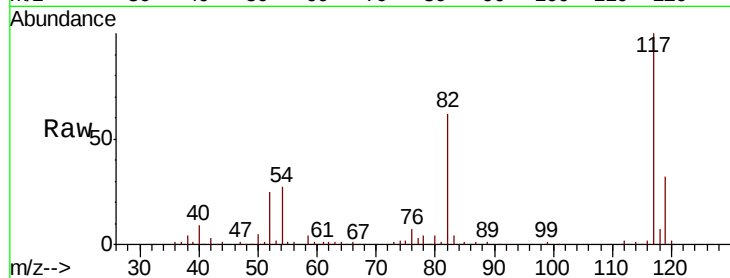
Tot Ion:117 Resp: 104791

Ion Ratio Lower Upper

117 100

82 61.9 48.0 72.0

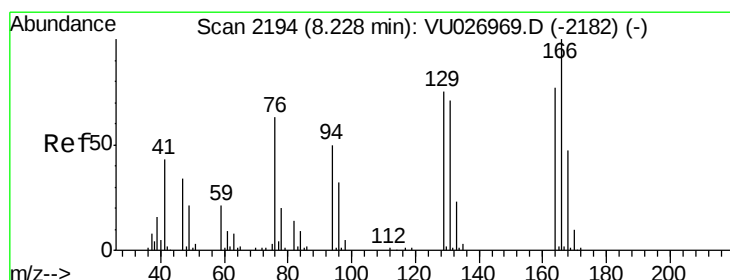
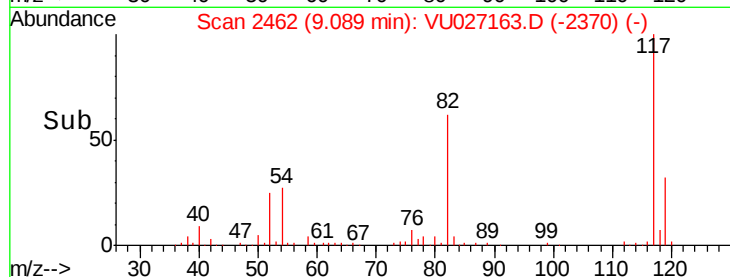
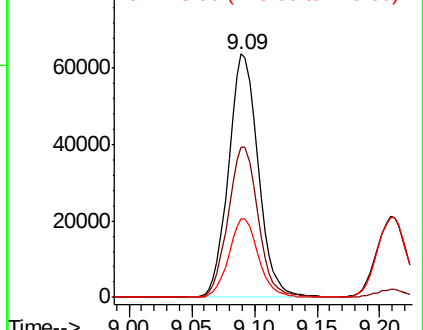
119 32.4 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 36.803 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

Tgt Ion:164 Resp: 29718

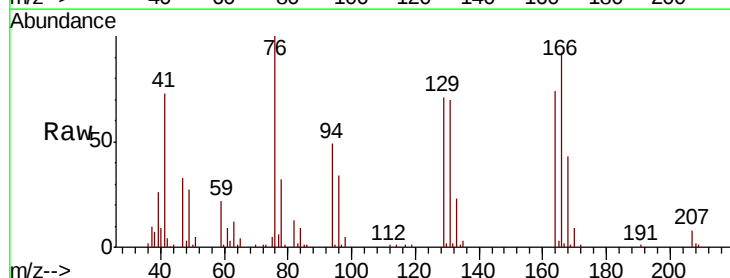
Ion Ratio Lower Upper

164 100

166 125.6 104.4 156.6

129 95.9 78.7 118.1

131 95.5 73.9 110.9

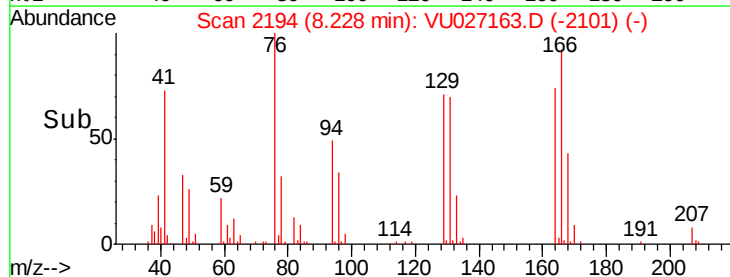
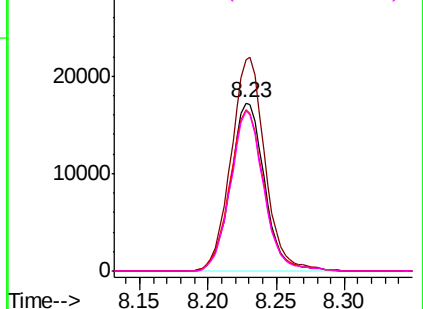


Abundance Ion 163.80 (163.50 to 164.50): V

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

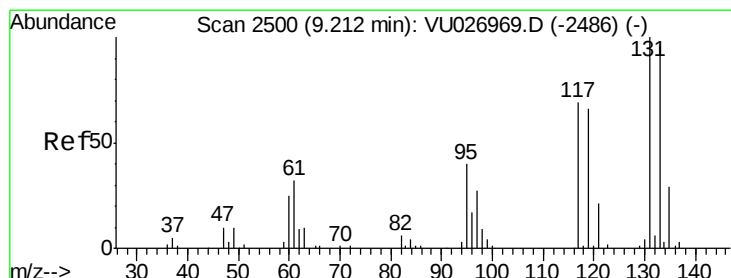
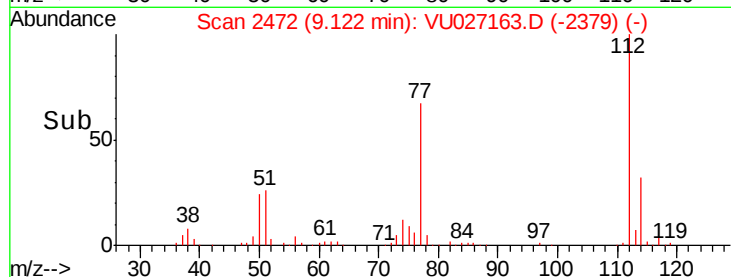
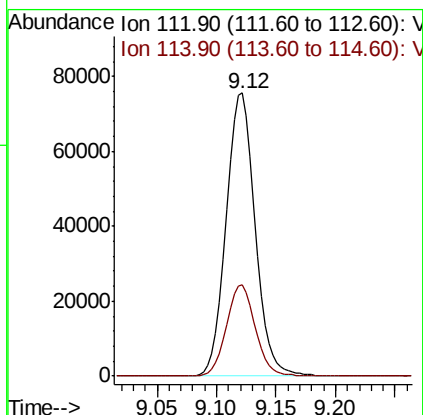
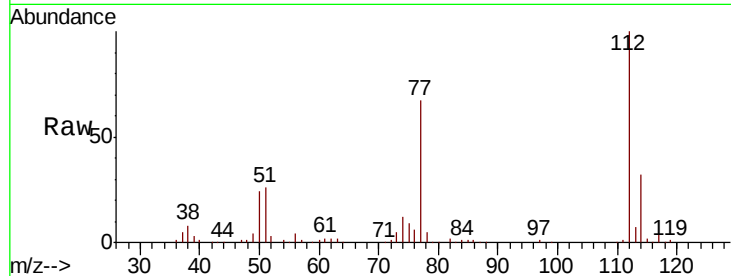




#65
Chlorobenzene
Concen: 46.032 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

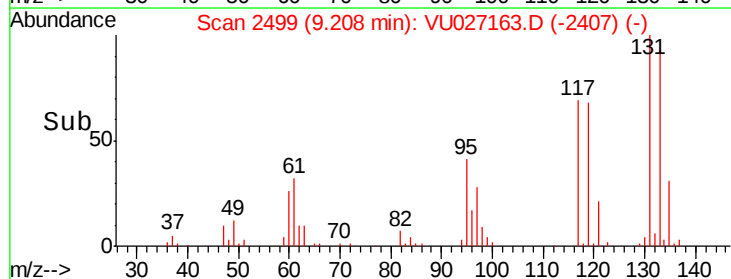
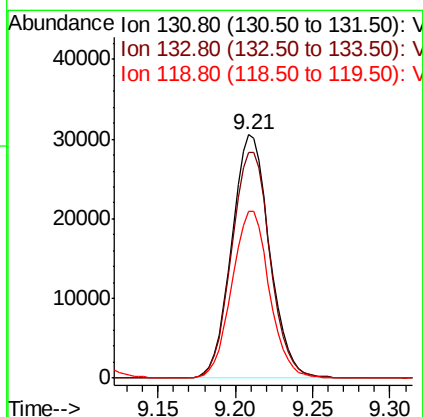
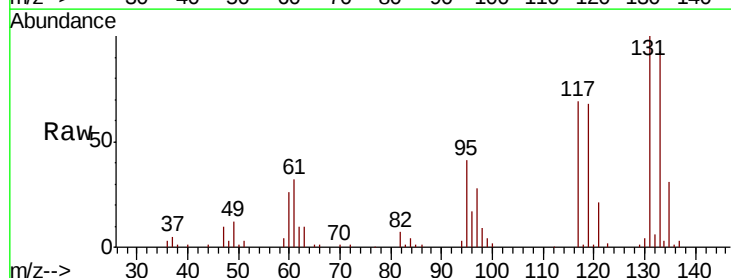
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

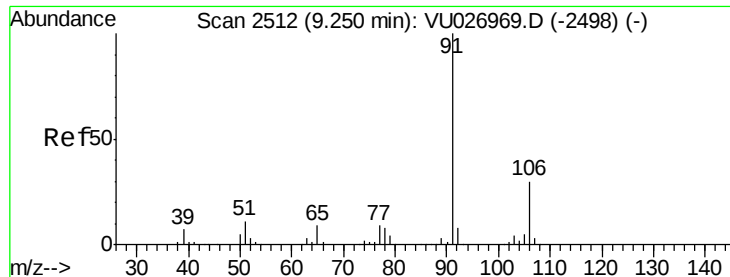
Tot Ion:112 Resp: 127902
Ion Ratio Lower Upper
112 100
114 32.1 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 54.217 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

Tgt Ion:131 Resp: 51887
Ion Ratio Lower Upper
131 100
133 94.8 48.0 144.2
119 67.9 33.4 100.1

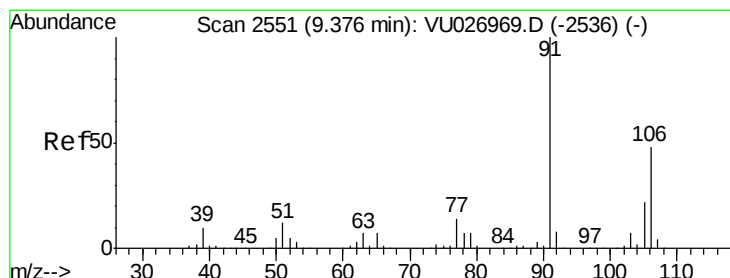
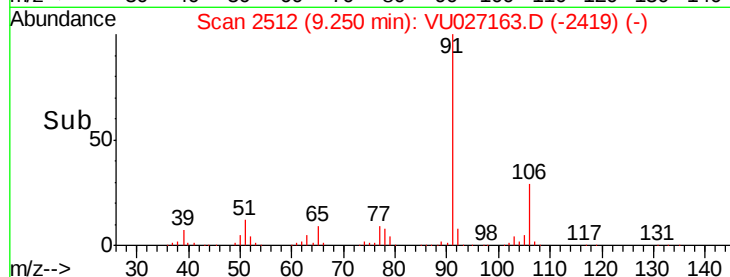
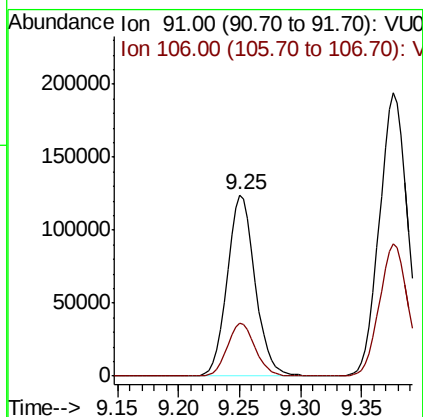
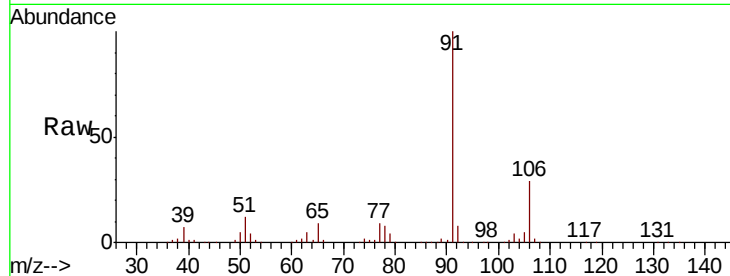




#67
Ethyl Benzene
Concen: 43.525 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

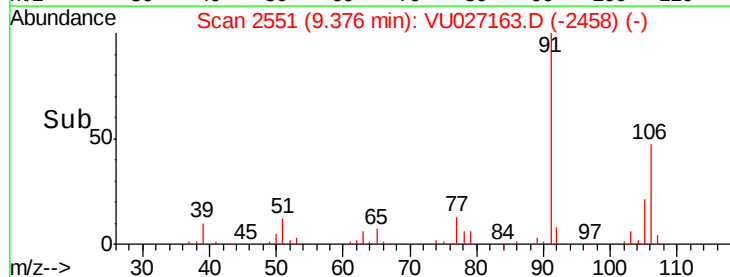
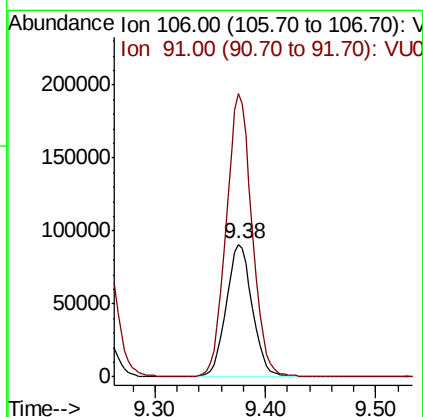
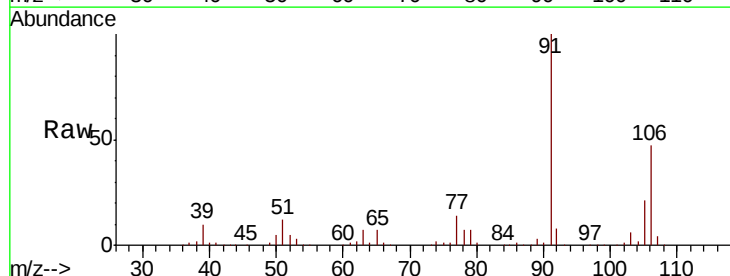
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 198866
Ion Ratio Lower Upper
91 100
106 29.0 23.8 35.8



#68
m/p-Xylenes
Concen: 80.647 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

Tgt Ion: 106 Resp: 148683
Ion Ratio Lower Upper
106 100
91 211.6 166.5 249.7

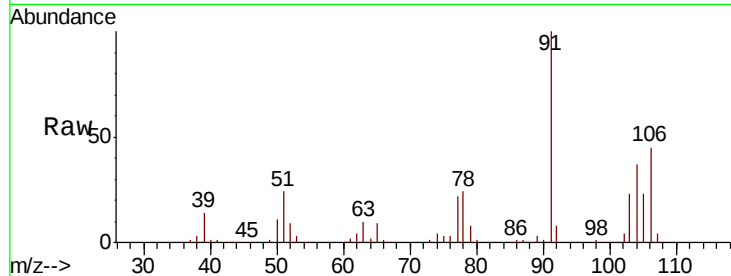




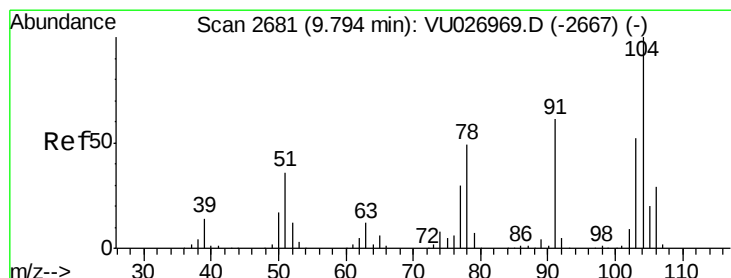
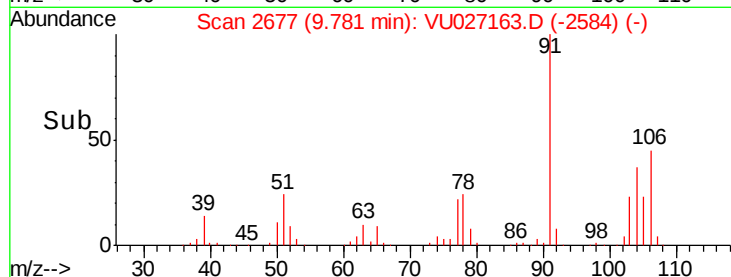
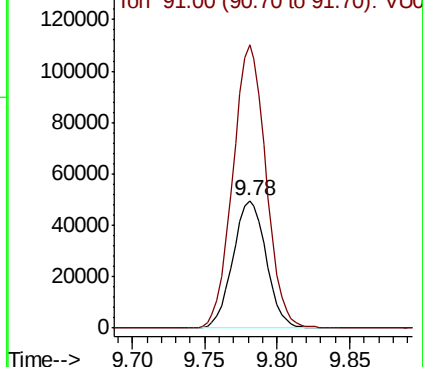
#69
o-Xylene
Concen: 48.773 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 78957
Ion Ratio Lower Upper
106 100
91 221.1 110.2 330.6

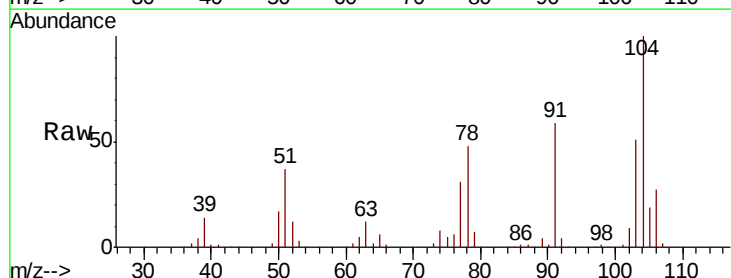


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

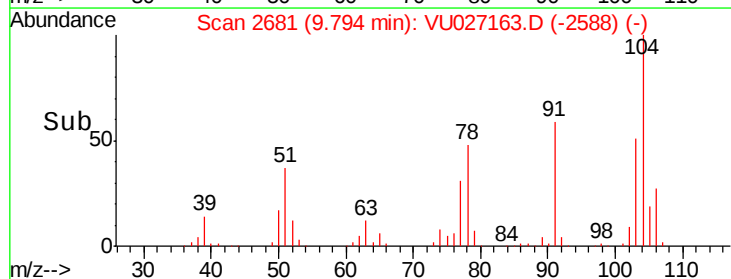
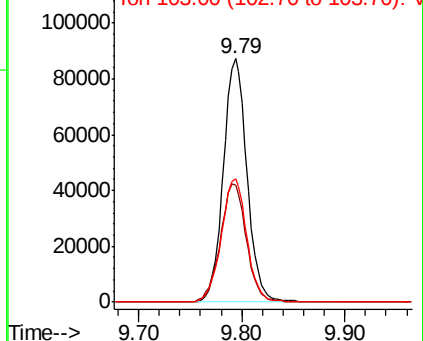


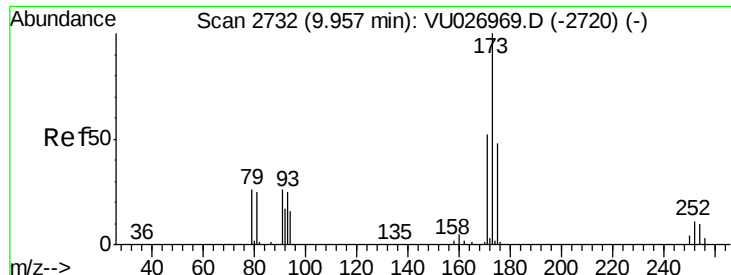
#70
Styrene
Concen: 46.351 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

Tgt Ion:104 Resp: 139691
Ion Ratio Lower Upper
104 100
78 53.3 43.0 64.4
103 54.3 44.1 66.1



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

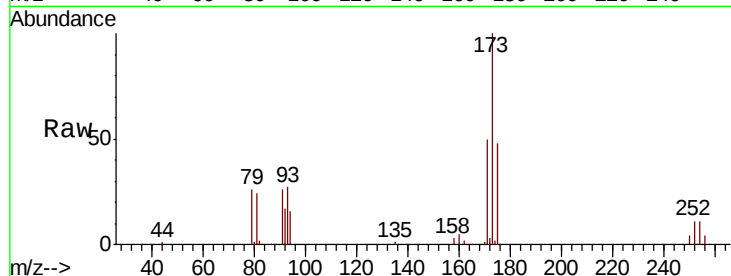




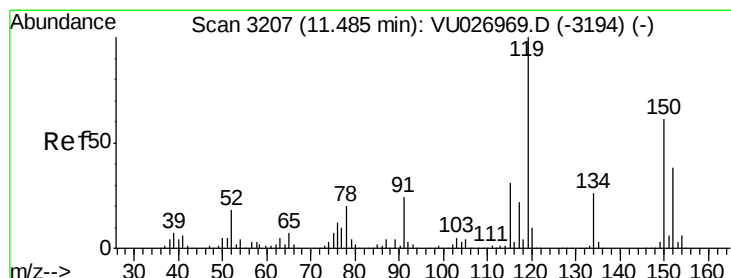
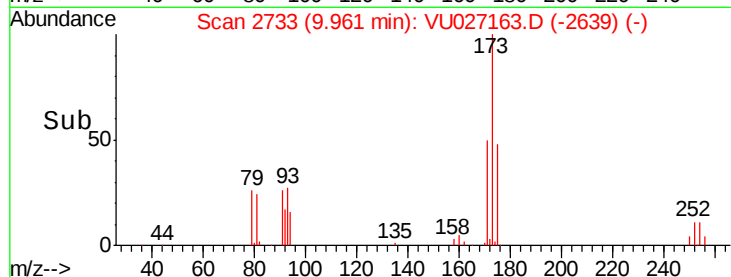
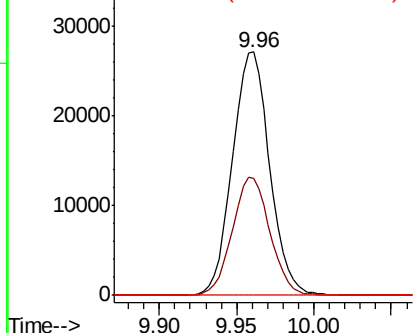
#71
Bromoform
Concen: 61.154 ug/l
RT: 9.96 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 45259
Ion Ratio Lower Upper
173 100
175 48.9 23.9 71.8
254 0.0 0.0 0.0

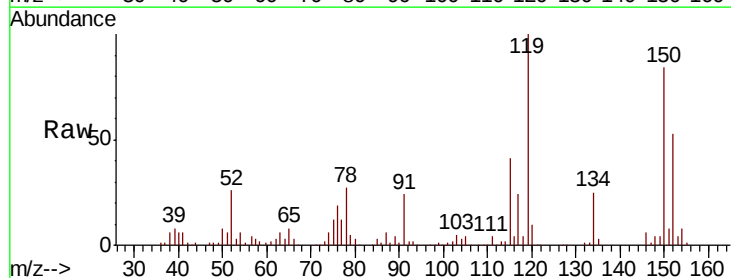


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

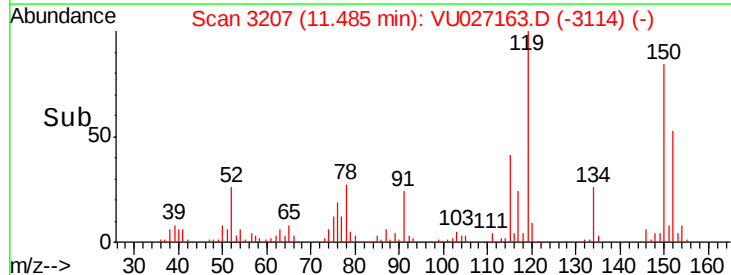
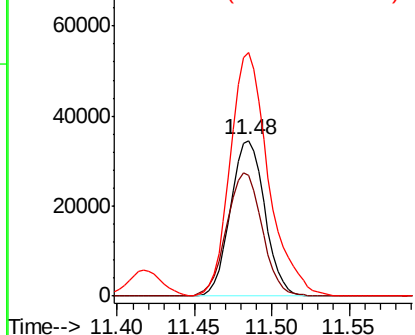


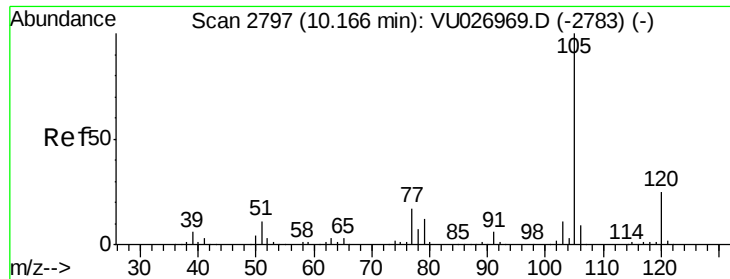
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

Tgt Ion:152 Resp: 53231
Ion Ratio Lower Upper
152 100
115 81.6 44.9 134.5
150 174.1 0.0 355.8



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: 43.087 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

Instrument :

MSVOA_U

ClientSampleId :

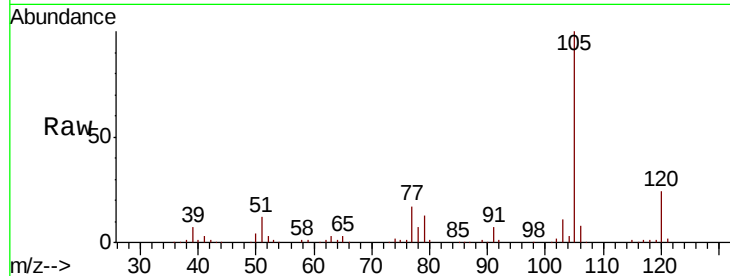
VSTDCCC050

Tot Ion:105 Resp: 174469

Ion Ratio Lower Upper

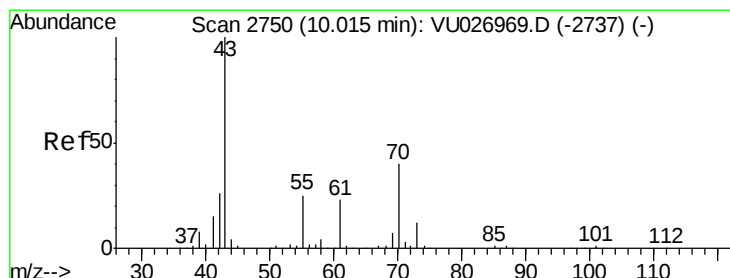
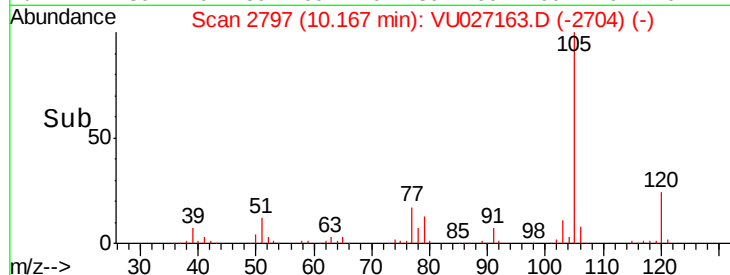
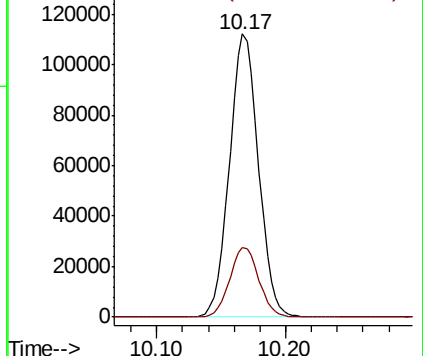
105 100

120 24.7 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 72.623 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

Tgt Ion: 43 Resp: 170218

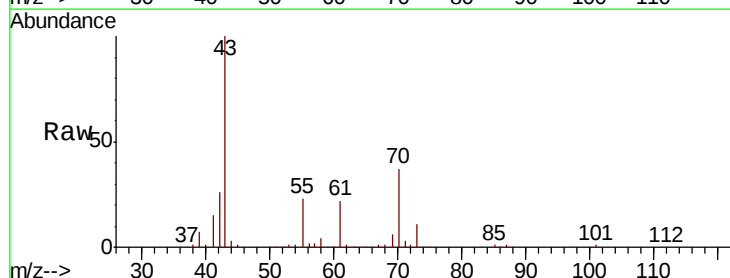
Ion Ratio Lower Upper

43 100

70 37.8 31.8 47.8

55 23.6 19.9 29.9

61 22.6 18.4 27.6

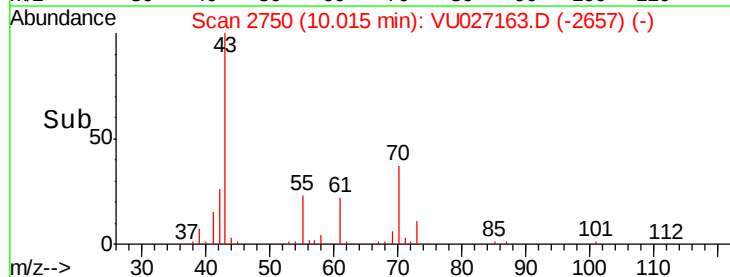
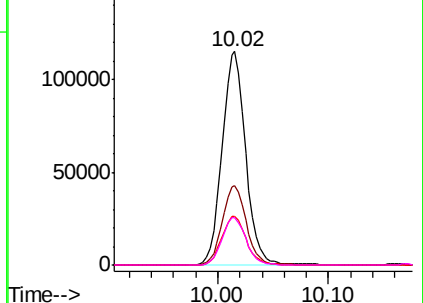


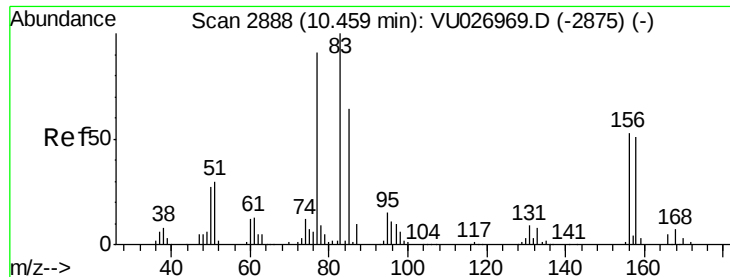
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 61.120 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

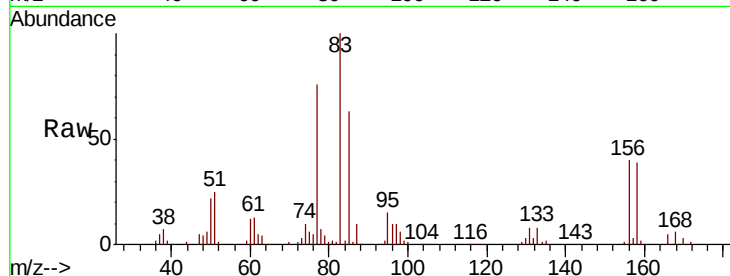
Tot Ion: 83 Resp: 113788

Ion Ratio Lower Upper

83 100

131 8.2 4.3 12.8

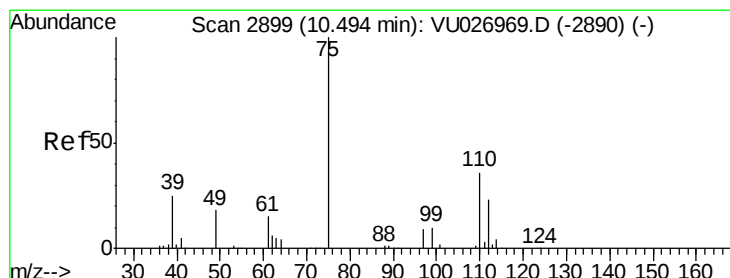
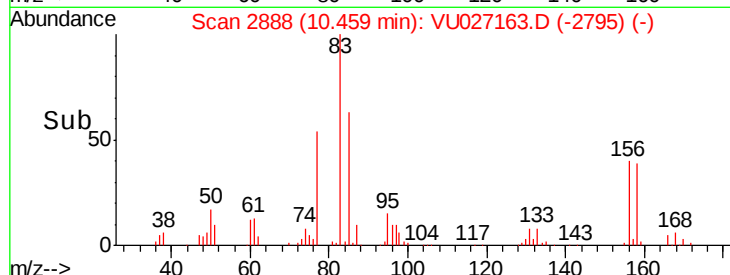
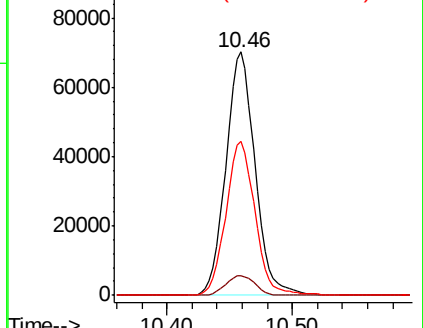
85 63.1 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VU027163.D (-2795) (-)

Ion 130.80 (130.50 to 131.50): VU027163.D (-2795) (-)

Ion 84.90 (84.60 to 85.60): VU027163.D (-2795) (-)



#76

1,2,3-Trichloropropane

Concen: 79.843 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027163.D

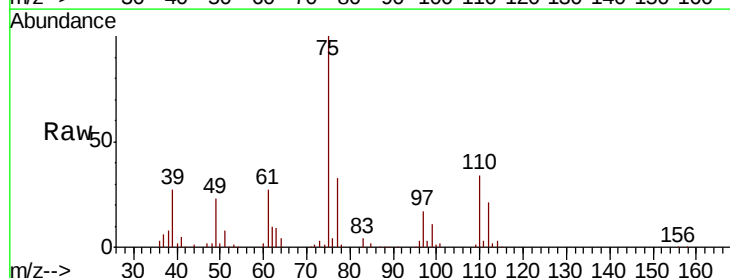
Acq: 26 Sep 2018 05:58

Tgt Ion: 75 Resp: 129118

Ion Ratio Lower Upper

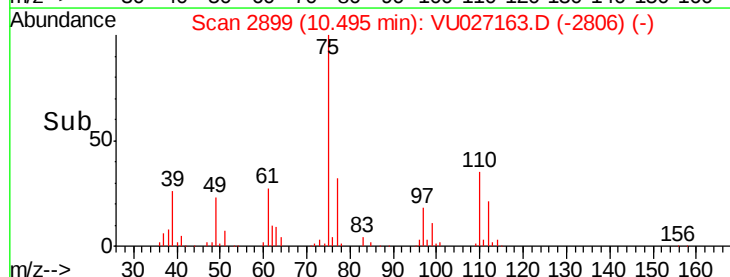
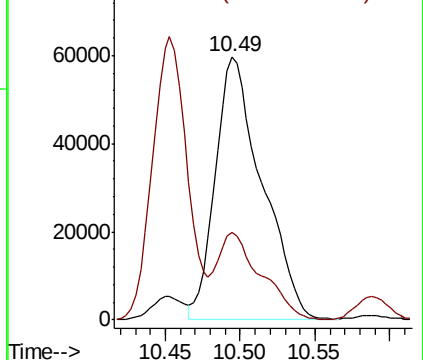
75 100

77 31.3 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU027163.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU027163.D (-2806) (-)





#77

Bromobenzene

Concen: 53.486 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

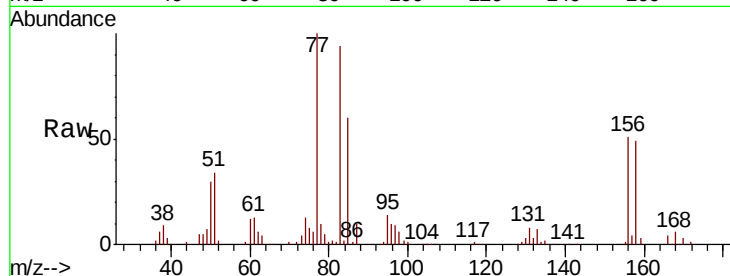
Tot Ion:156 Resp: 52924

Ion Ratio Lower Upper

156 100

77 196.3 92.3 276.9

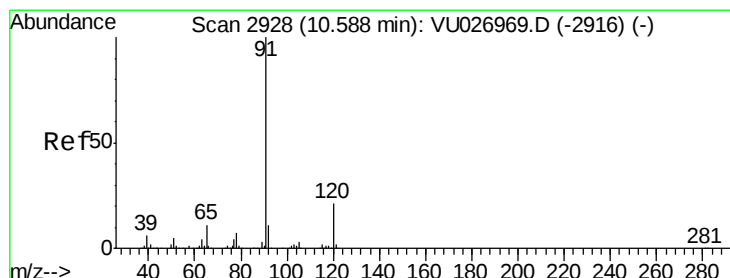
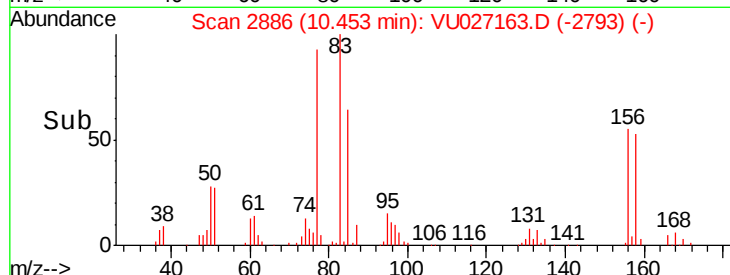
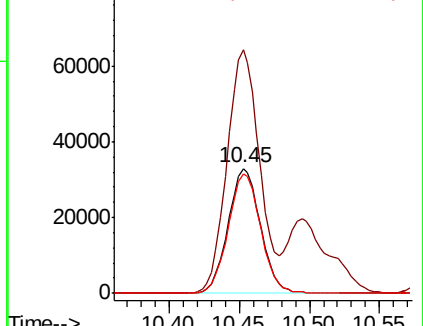
158 96.3 48.1 144.3



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: 41.305 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027163.D

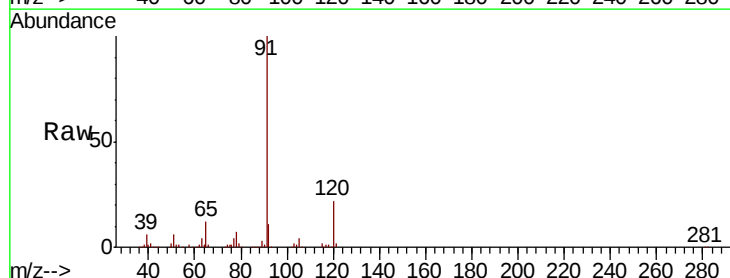
Acq: 26 Sep 2018 05:58

Tgt Ion: 91 Resp: 197899

Ion Ratio Lower Upper

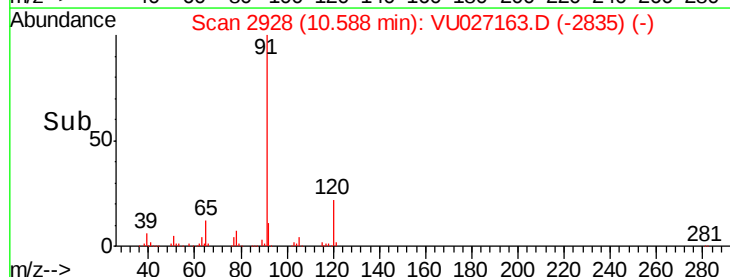
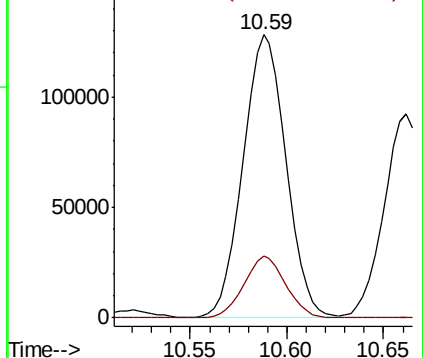
91 100

120 21.2 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

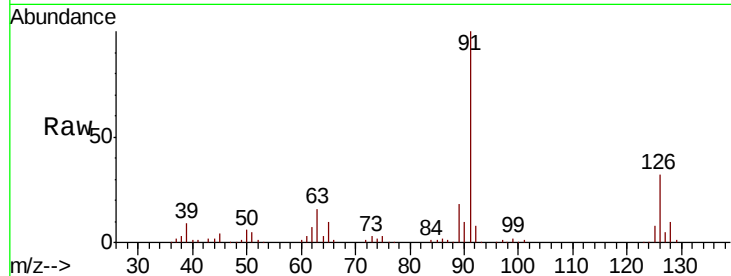




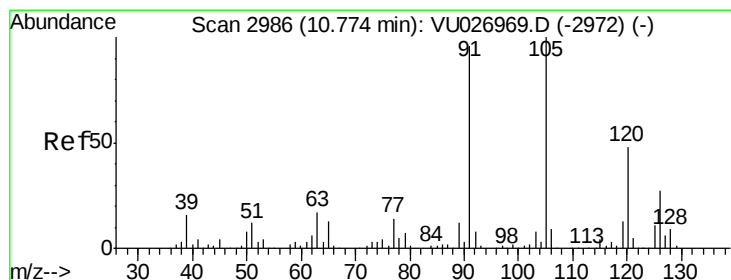
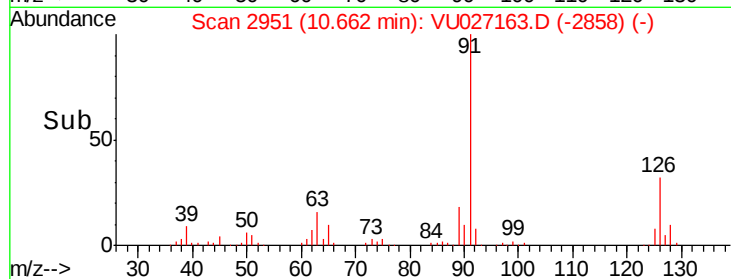
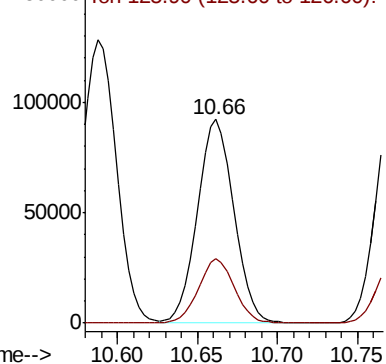
#79
 2-Chlorotoluene
 Concen: 47.408 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU027163.D
 Acq: 26 Sep 2018 05:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 142672
 Ion Ratio Lower Upper
 91 100
 126 31.2 15.8 47.3

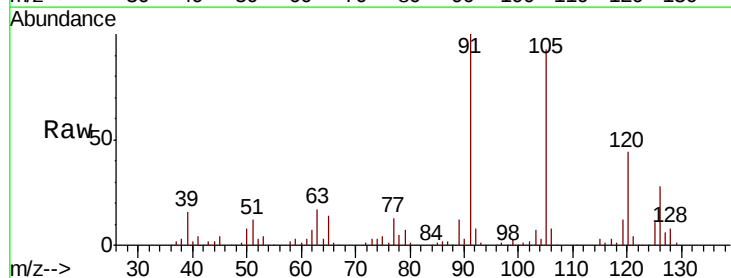


Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-2940) (-)
 Ion 125.90 (125.60 to 126.60): VU026969.D (-2940) (-)

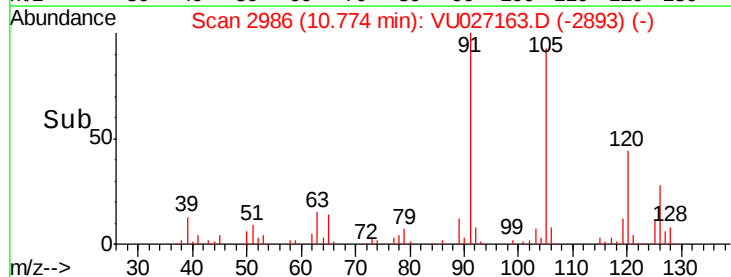
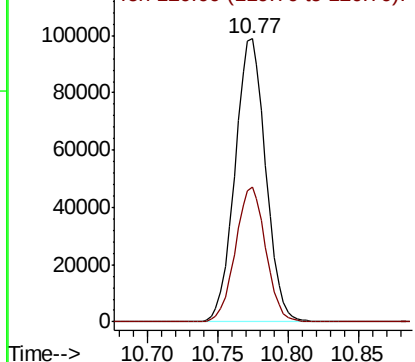


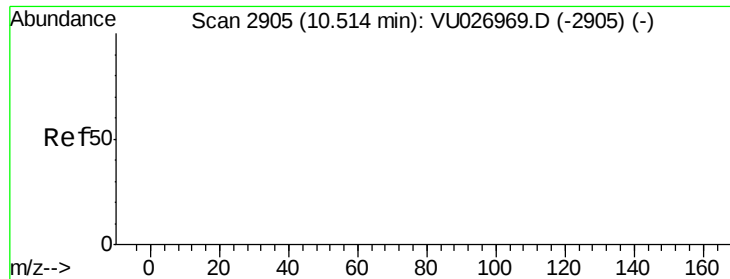
#80
 1,3,5-Trimethylbenzene
 Concen: 45.173 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027163.D
 Acq: 26 Sep 2018 05:58

Tgt Ion: 105 Resp: 150992
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VU026969.D (-2972) (-)
 Ion 120.00 (119.70 to 120.70): VU026969.D (-2972) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 255.513 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

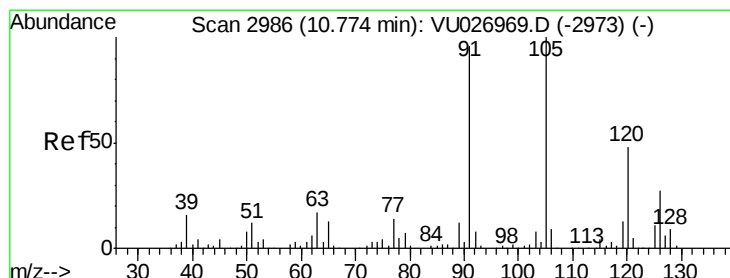
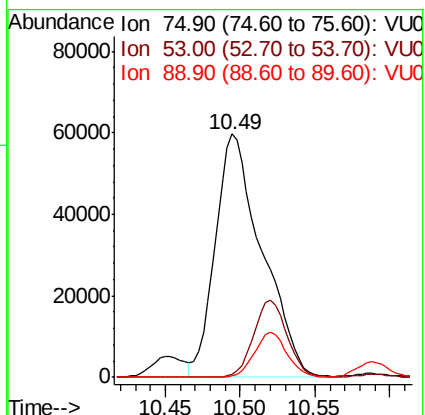
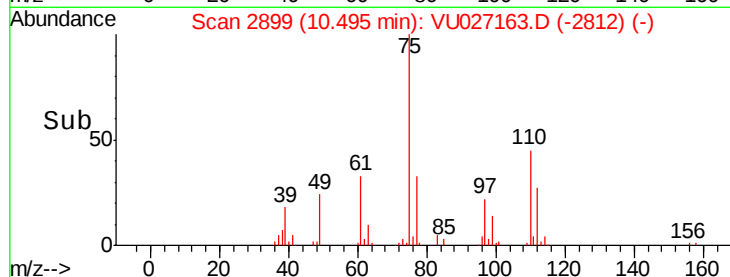
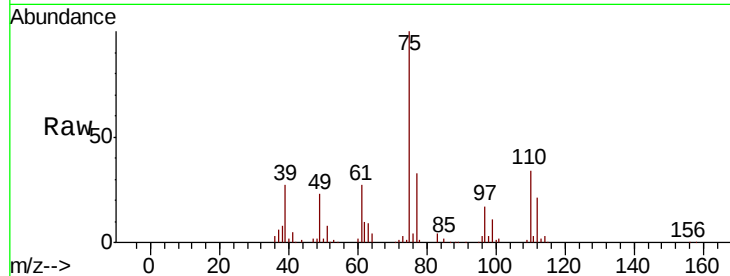
Tot Ion: 75 Resp: 129118

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 48.698 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027163.D

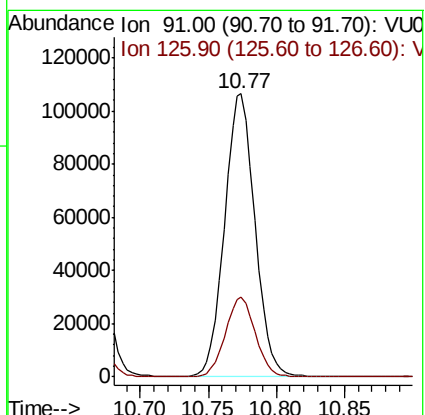
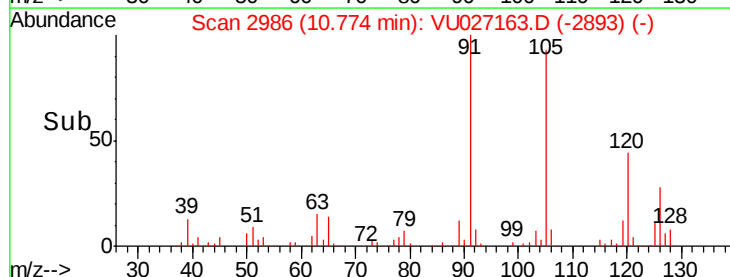
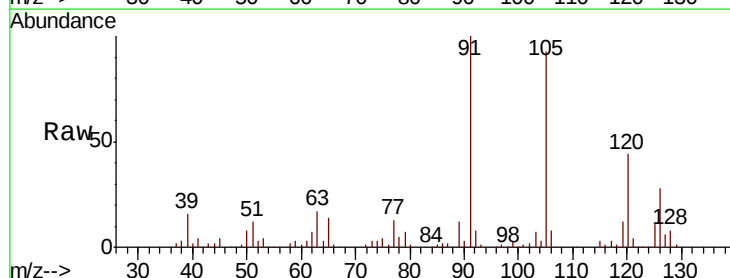
Acq: 26 Sep 2018 05:58

Tgt Ion: 91 Resp: 164331

Ion Ratio Lower Upper

91 100

126 27.9 14.1 42.2

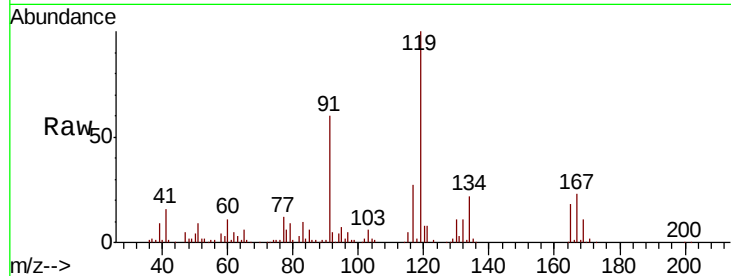




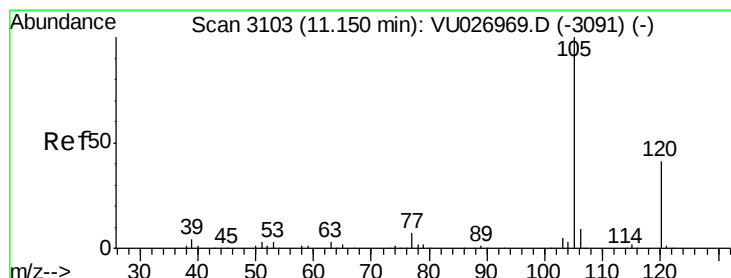
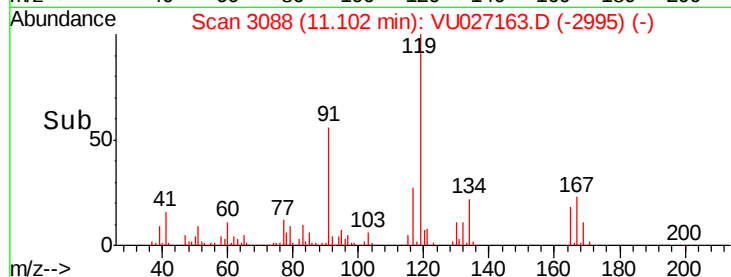
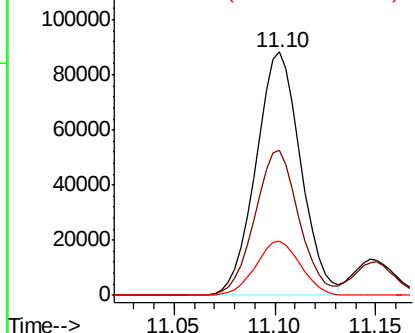
#83
 tert-Butylbenzene
 Concen: 41.460 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU027163.D
 Acq: 26 Sep 2018 05:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 137009
 Ion Ratio Lower Upper
 119 100
 91 58.8 29.8 89.4
 134 22.5 11.5 34.4

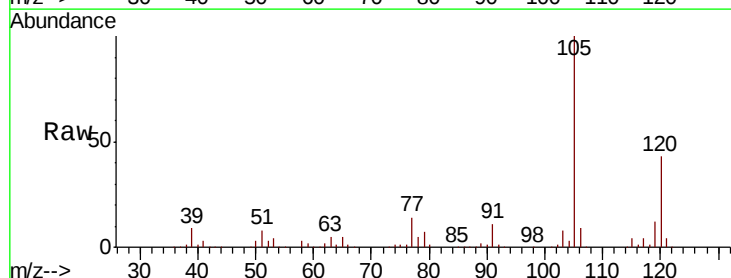


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU
 Ion 134.00 (133.70 to 134.70): V

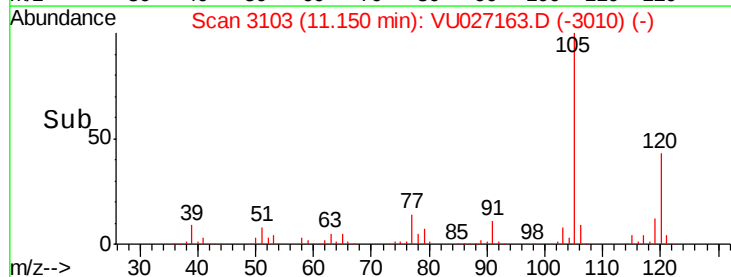
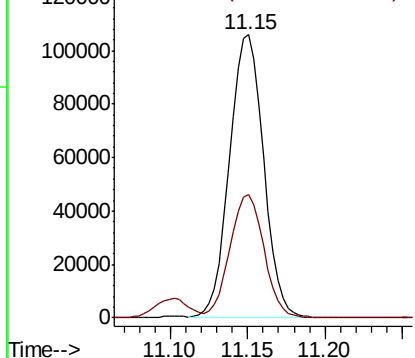


#84
 1,2,4-Trimethylbenzene
 Concen: 47.468 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027163.D
 Acq: 26 Sep 2018 05:58

Tgt Ion:105 Resp: 161470
 Ion Ratio Lower Upper
 105 100
 120 43.6 22.4 67.2



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

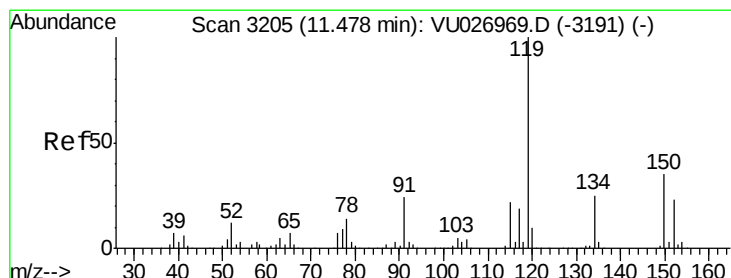
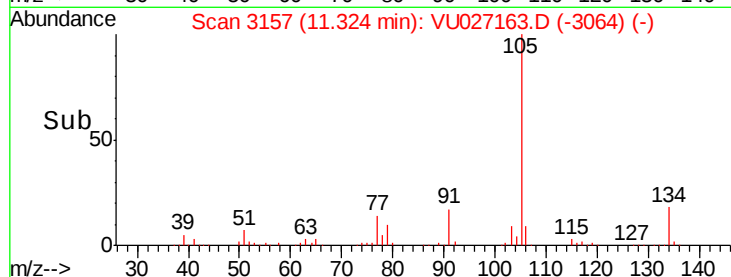
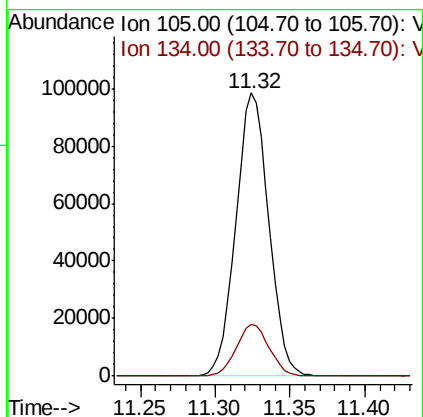
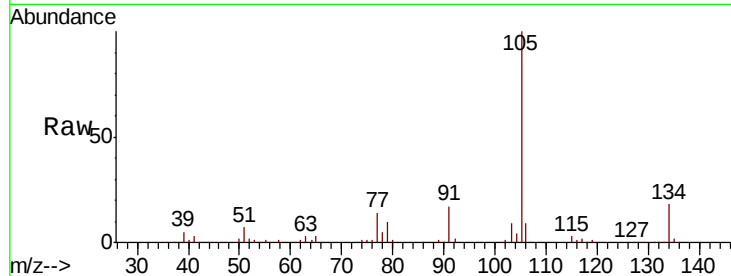




#85
 sec-Butylbenzene
 Concen: 37.250 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027163.D
 Acq: 26 Sep 2018 05:58

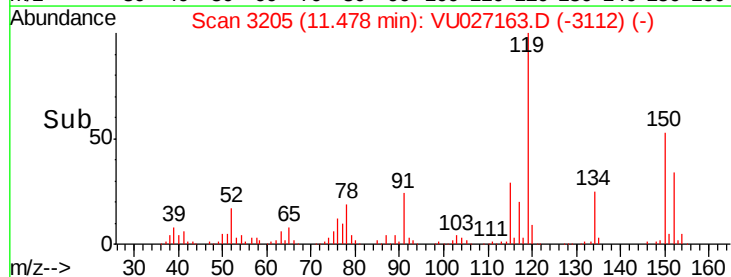
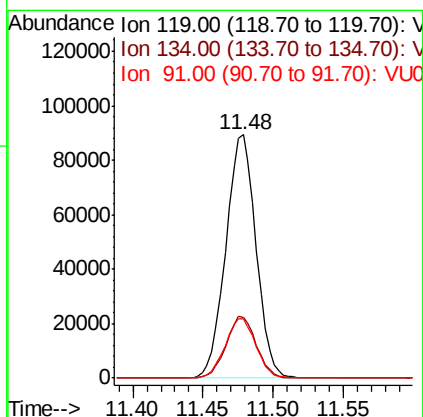
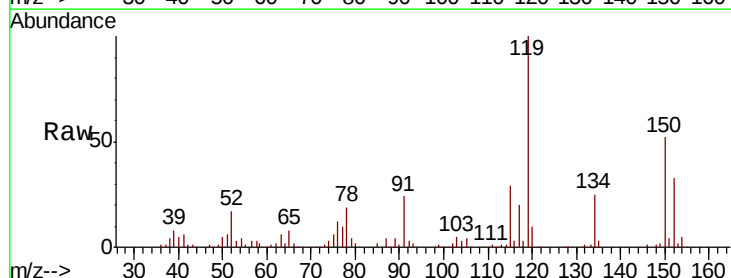
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 150264
 Ion Ratio Lower Upper
 105 100
 134 18.3 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 35.564 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU027163.D
 Acq: 26 Sep 2018 05:58

Tgt Ion:119 Resp: 133584
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.8 38.3
 91 24.9 12.3 36.8

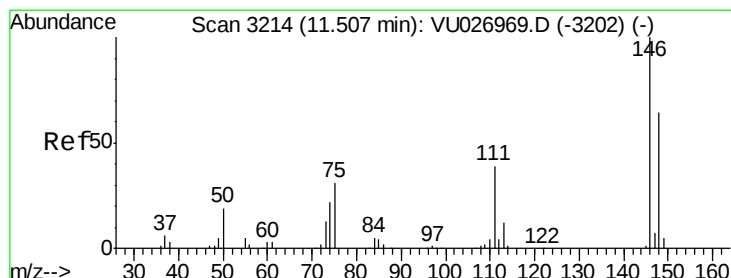
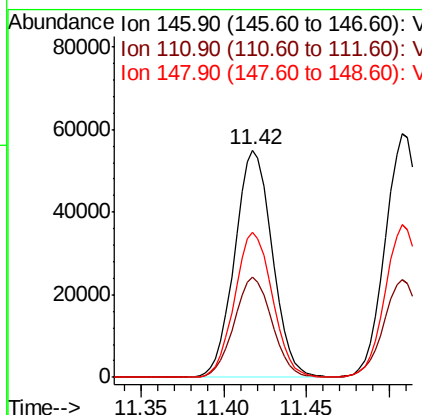
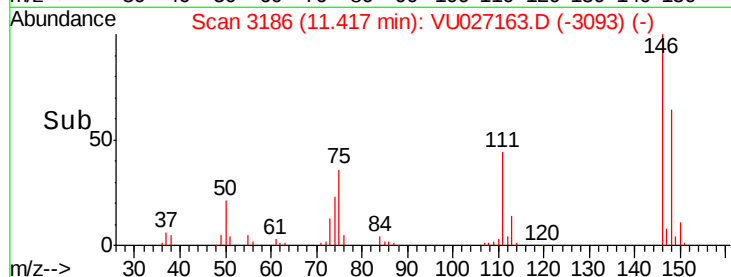
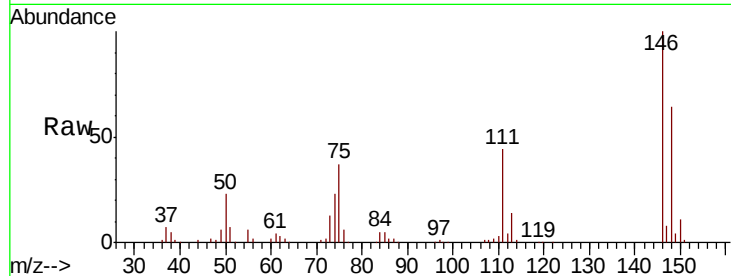




#87
 1,3-Dichlorobenzene
 Concen: 47.216 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027163.D
 Acq: 26 Sep 2018 05:58

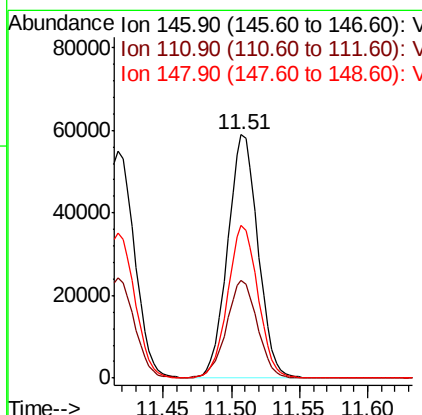
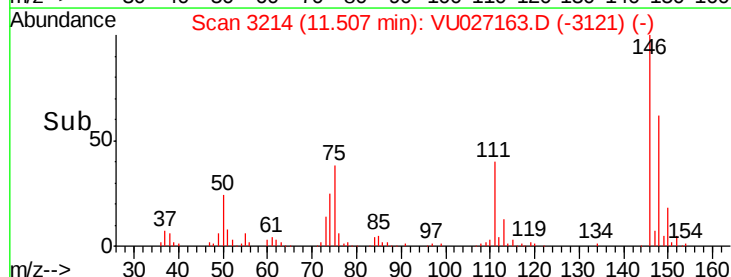
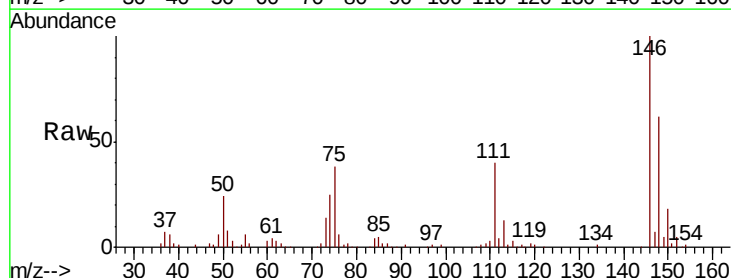
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

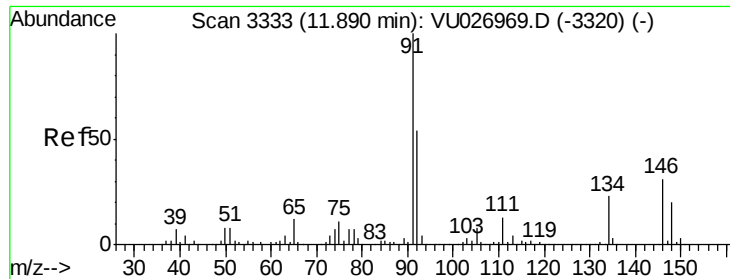
Tot Ion:146 Resp: 86942
 Ion Ratio Lower Upper
 146 100
 111 44.1 20.8 62.2
 148 64.2 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 45.437 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027163.D
 Acq: 26 Sep 2018 05:58

Tgt Ion:146 Resp: 91186
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.3 60.9
 148 62.6 31.9 95.9

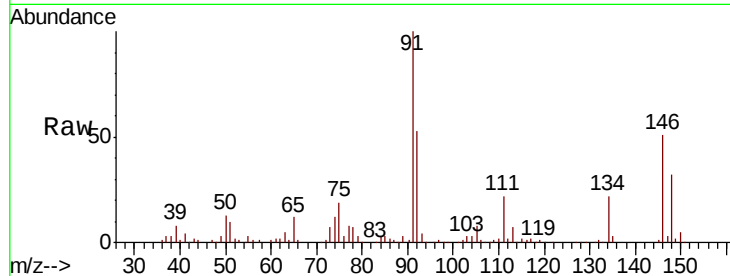




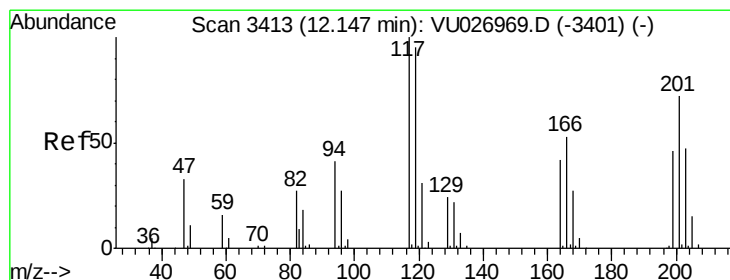
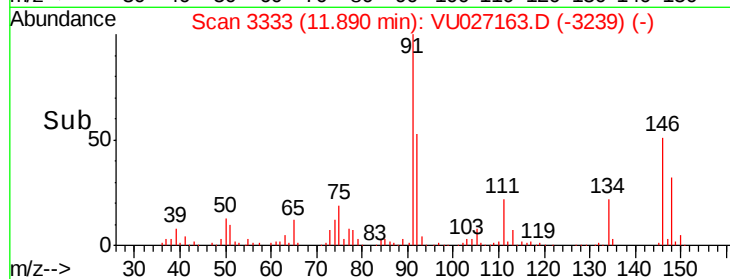
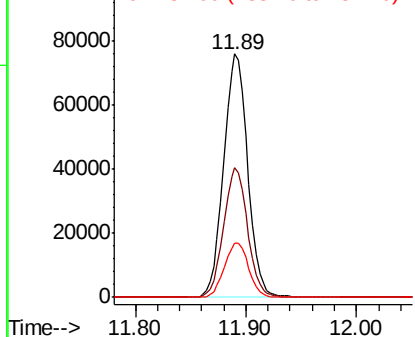
#89
n-Butylbenzene
Concen: 32.162 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 114721
Ion Ratio Lower Upper
91 100
92 52.8 27.1 81.2
134 22.4 11.7 35.0

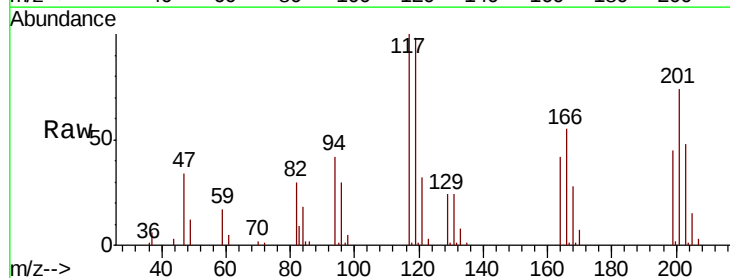


Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0
Ion 134.00 (133.70 to 134.70): V

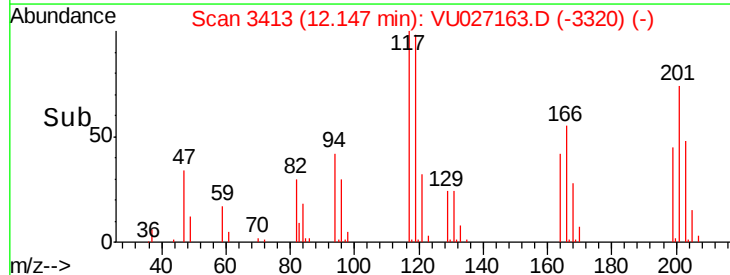
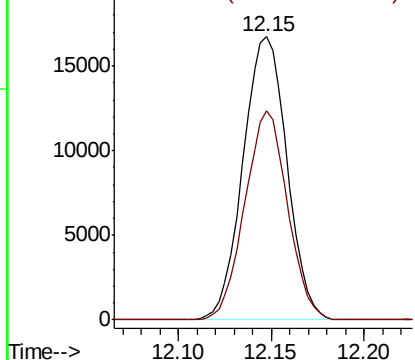


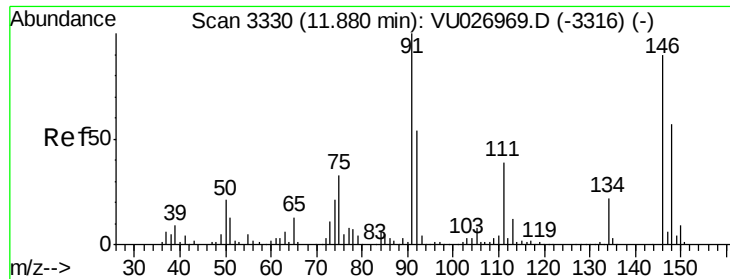
#90
Hexachloroethane
Concen: 37.694 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027163.D
Acq: 26 Sep 2018 05:58

Tgt Ion: 117 Resp: 27651
Ion Ratio Lower Upper
117 100
201 71.8 36.8 110.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

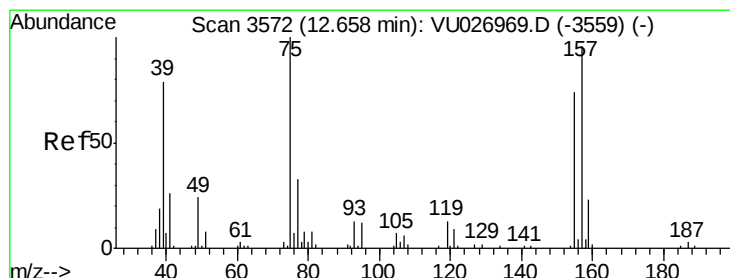
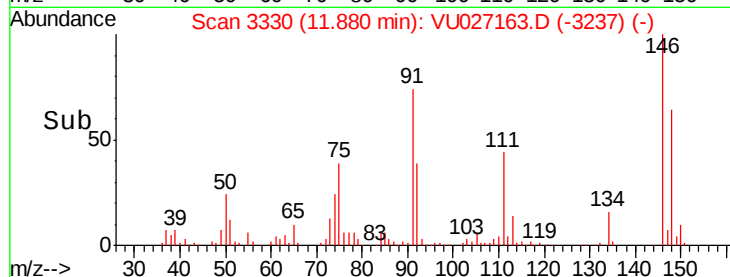
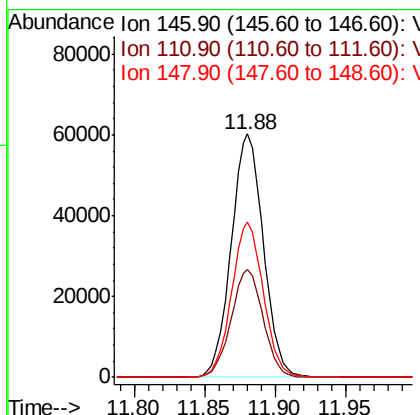
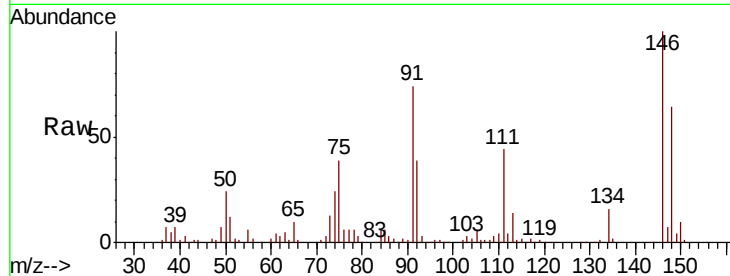




#91
 1,2-Dichlorobenzene
 Concen: 49.179 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027163.D
 Acq: 26 Sep 2018 05:58

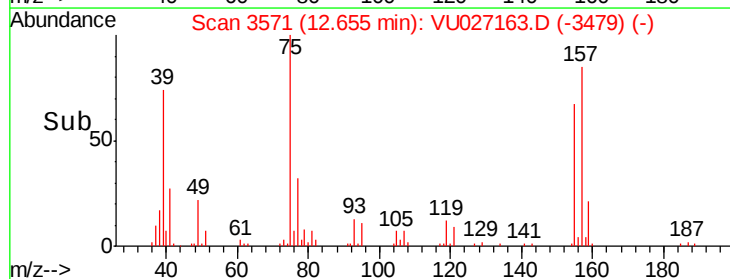
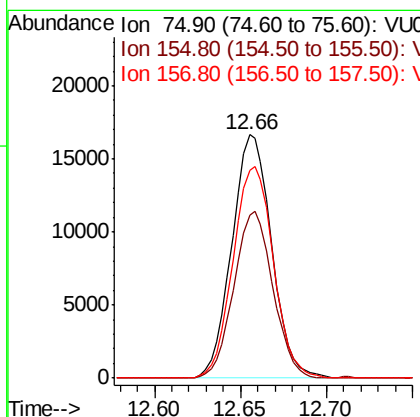
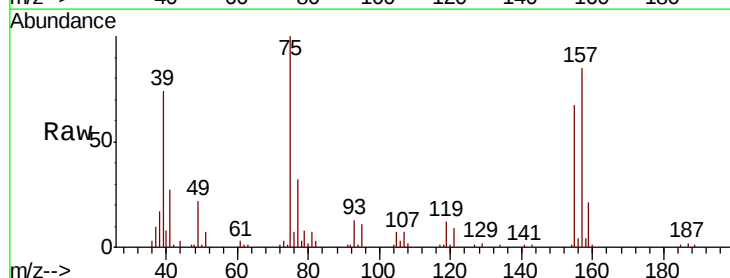
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

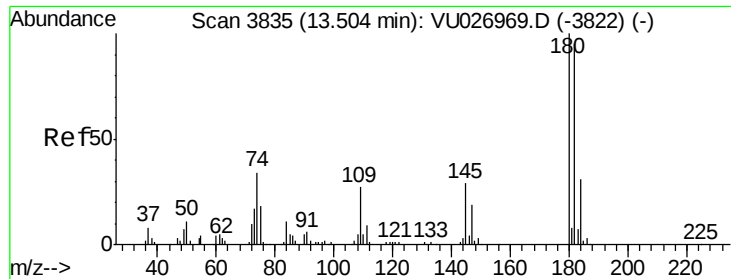
Tot Ion:146 Resp: 96192
 Ion Ratio Lower Upper
 146 100
 111 44.2 21.8 65.3
 148 62.6 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 70.356 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027163.D
 Acq: 26 Sep 2018 05:58

Tgt Ion: 75 Resp: 26721
 Ion Ratio Lower Upper
 75 100
 155 67.2 36.6 109.8
 157 88.0 47.4 142.2

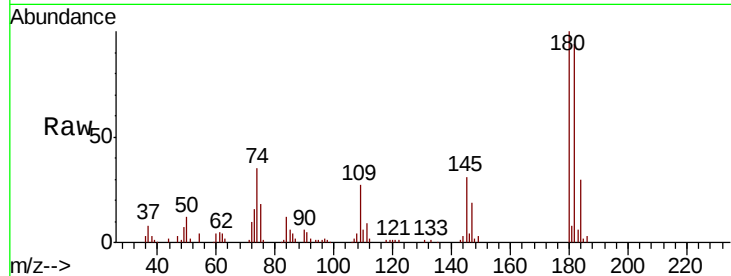




#93
 1,2,4-Trichlorobenzene
 Concen: 51.181 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027163.D
 Acq: 26 Sep 2018 05:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.4	142.2
145	30.2	14.9	44.5

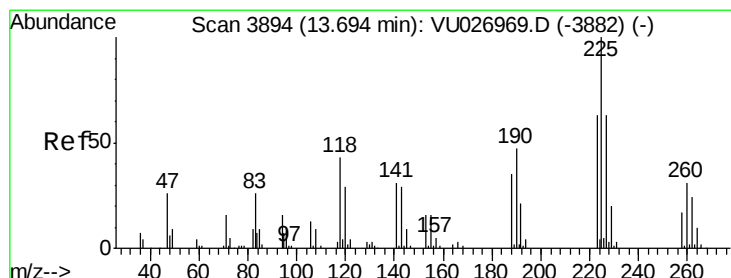
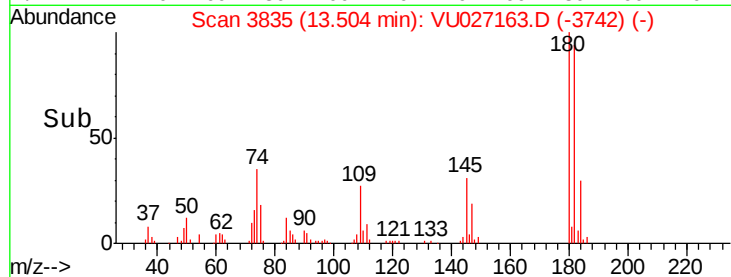
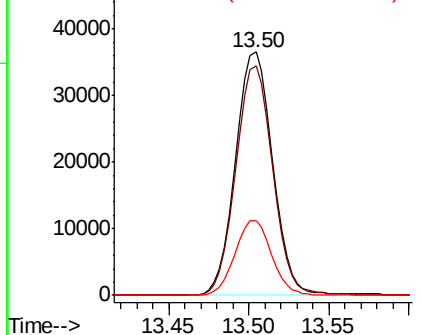


Abundance

Ion 179.80 (179.50 to 180.50): V

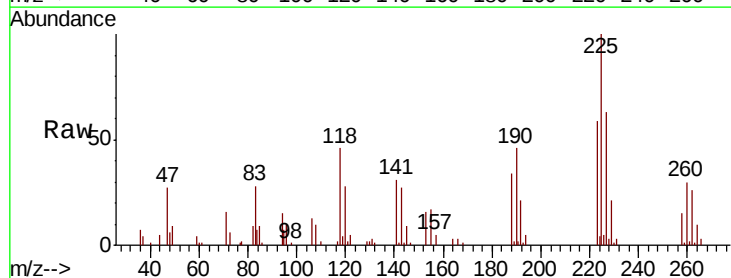
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 31.204 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027163.D
 Acq: 26 Sep 2018 05:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	31.9	95.7
227	63.3	32.1	96.5

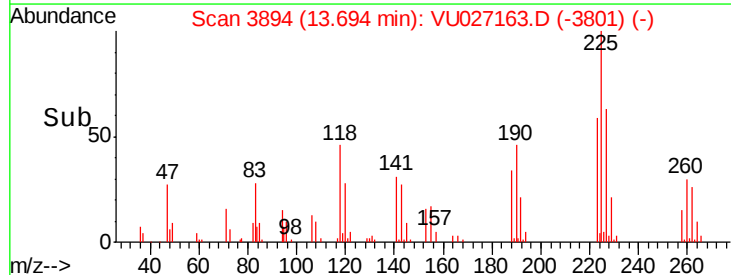
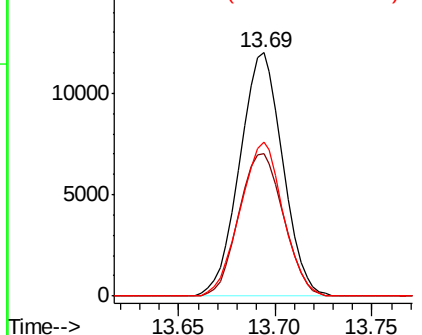


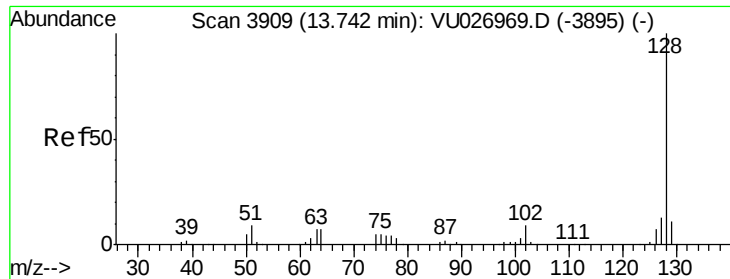
Abundance

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: 57.992 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

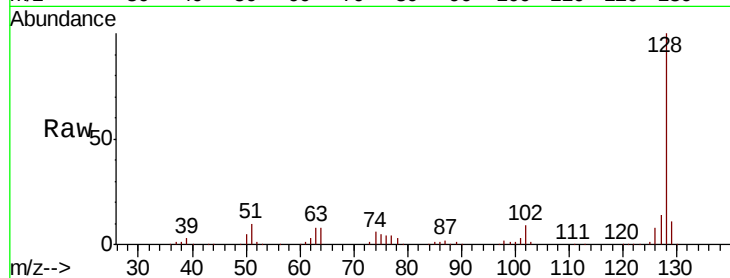
Tot Ion:128 Resp: 256802

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

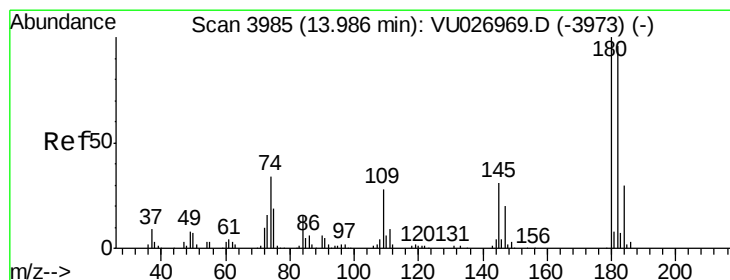
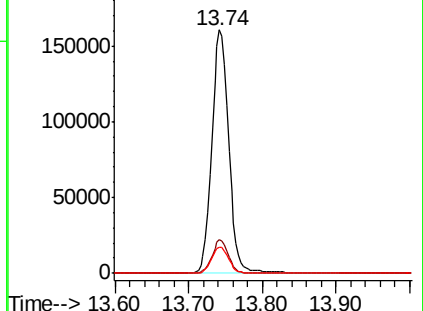
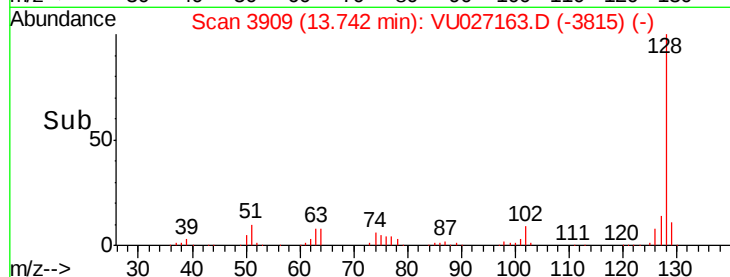
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.980 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027163.D

Acq: 26 Sep 2018 05:58

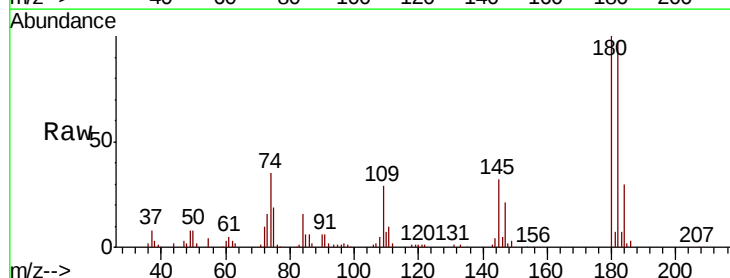
Tgt Ion:180 Resp: 65248

Ion Ratio Lower Upper

180 100

182 97.3 47.5 142.5

145 32.2 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

