

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072718\
 Data File : VU025711.D
 Acq On : 28 Jul 2018 08:28
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 30 00:42:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	176823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	271949	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	265716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	168683	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	141080	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
35) Dibromofluoromethane	4.89	113	114666	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
50) Toluene-d8	7.57	98	413192	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
62) 4-Bromofluorobenzene	10.31	95	161350	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	141268	52.86	ug/l	97
3) Chloromethane	1.33	50	114519	44.83	ug/l	100
4) Vinyl Chloride	1.40	62	118731	49.39	ug/l	98
5) Bromomethane	1.62	94	56232	47.89	ug/l	100
6) Chloroethane	1.70	64	68208	48.53	ug/l	98
7) Trichlorofluoromethane	1.89	101	172261	49.56	ug/l	100
8) Diethyl Ether	2.10	74	60078	47.77	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	98808	49.13	ug/l	99
10) Methyl Iodide	2.41	142	70195	39.58	ug/l	100
11) Tert butyl alcohol	2.82	59	127638	211.60	ug/l	100
12) 1,1-Dichloroethene	2.28	96	94852	49.96	ug/l	96
13) Acrolein	2.19	56	43594	199.15	ug/l	100
14) Allyl chloride	2.59	41	147378	43.20	ug/l	98
15) Acrylonitrile	2.94	53	290736	241.41	ug/l	98
16) Acetone	2.32	43	265950	197.99	ug/l	97
17) Carbon Disulfide	2.48	76	287085	46.72	ug/l	100
18) Methyl Acetate	2.62	43	166148	51.39	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	344748	50.11	ug/l	99
20) Methylene Chloride	2.70	84	110624	46.47	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	105736	48.18	ug/l	98
22) Diisopropyl ether	3.57	45	334977	49.82	ug/l	96
23) Vinyl Acetate	3.53	43	1406093	239.98	ug/l	99
24) 1,1-Dichloroethane	3.45	63	200826	49.76	ug/l	98
25) 2-Butanone	4.26	43	408869	223.61	ug/l	100
26) 2,2-Dichloropropane	4.23	77	86062	23.46	ug/l	94
27) cis-1,2-Dichloroethene	4.23	96	119000	48.09	ug/l	94
28) Bromochloromethane	4.55	49	92722	51.38	ug/l	98
29) Tetrahydrofuran	4.64	42	260541	237.83	ug/l	100
30) Chloroform	4.68	83	205910	48.33	ug/l	100
31) Cyclohexane	5.00	56	172928	49.24	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	189026	49.28	ug/l	99
36) 1,1-Dichloropropene	5.14	75	155160	48.82	ug/l	99
37) Ethyl Acetate	4.38	43	151309	45.91	ug/l	99
38) Carbon Tetrachloride	5.14	117	170312	47.31	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	172987	47.50	ug/l	98
40) Benzene	5.39	78	438290	47.18	ug/l	97
41) Methacrylonitrile	4.54	41	86088	47.03	ug/l	98
42) 1,2-Dichloroethane	5.41	62	168532	47.11	ug/l	100
43) Isopropyl Acetate	5.55	43	258802	47.52	ug/l	99
44) Trichloroethene	6.19	130	122140	47.21	ug/l	98
45) 1,2-Dichloropropane	6.44	63	114889	47.42	ug/l	100
46) Dibromomethane	6.56	93	82113	46.77	ug/l	99
47) Bromodichloromethane	6.76	83	158698	47.39	ug/l	98
48) Methyl methacrylate	6.63	41	130461	48.88	ug/l	97
49) 1,4-Dioxane	6.62	88	55789	858.97	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	800136	234.69	ug/l	100
52) Toluene	7.64	92	280772	48.65	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	165654	44.06	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	172097	44.56	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	113846	47.47	ug/l	99
56) Ethyl methacrylate	8.02	69	170481	49.75	ug/l	97
57) 1,3-Dichloropropane	8.25	76	194394	48.19	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	340050	220.00	ug/l	99
59) 2-Hexanone	8.36	43	617466	231.05	ug/l	98
60) Dibromochloromethane	8.48	129	134297	47.48	ug/l	100
61) 1,2-Dibromoethane	8.59	107	128688	48.24	ug/l	99
64) Tetrachloroethene	8.23	164	121314	51.87	ug/l	99
65) Chlorobenzene	9.12	112	323278	47.19	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	120782	48.74	ug/l	98
67) Ethyl Benzene	9.25	91	554707	48.88	ug/l	100
68) m/p-Xylenes	9.38	106	436361	100.16	ug/l	98
69) o-Xylene	9.78	106	209624	49.23	ug/l	99
70) Styrene	9.80	104	341397	49.64	ug/l	99
71) Bromoform	9.96	173	104426	48.59	ug/l #	100
73) Isopropylbenzene	10.17	105	567952	49.33	ug/l	100
74) N-amyl acetate	10.01	43	229510	48.83	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	181182	45.51	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	197818	53.23	ug/l	82
77) Bromobenzene	10.45	156	150183	47.29	ug/l	99
78) n-propylbenzene	10.59	91	665147	49.50	ug/l	100
79) 2-Chlorotoluene	10.66	91	385173	48.94	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	484252	49.53	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	197818	133.46	ug/l #	100
82) 4-Chlorotoluene	10.77	91	455547	49.10	ug/l	99
83) tert-Butylbenzene	11.10	119	469679	48.35	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	505377	51.01	ug/l	100
85) sec-Butylbenzene	11.33	105	582192	49.08	ug/l	100
86) p-Isopropyltoluene	11.48	119	520924	49.05	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	280218	47.54	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	283224	46.09	ug/l	99
89) n-Butylbenzene	11.89	91	467567	47.71	ug/l	99
90) Hexachloroethane	12.15	117	85458	45.26	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	273374	47.32	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	43645	46.24	ug/l	99

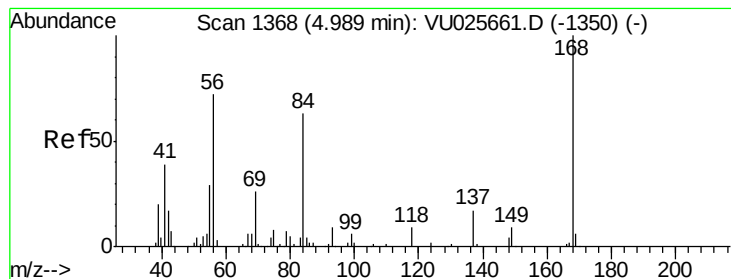
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QLast Update : Fri Jul 27 13:11:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	191394	49.08	ug/l	99
94) Hexachlorobutadiene	13.70	225	90264	43.91	ug/l	99
95) Naphthalene	13.74	128	575176	46.02	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	194296	49.95	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

Instrument :

MSVOA_U

ClientSampleId :

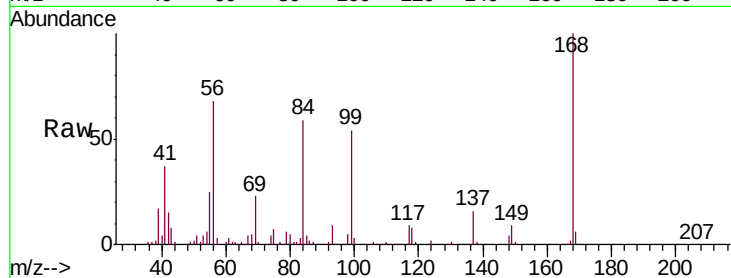
VSTDCCC050EC

Tot Ion:168 Resp: 176823

Ion Ratio Lower Upper

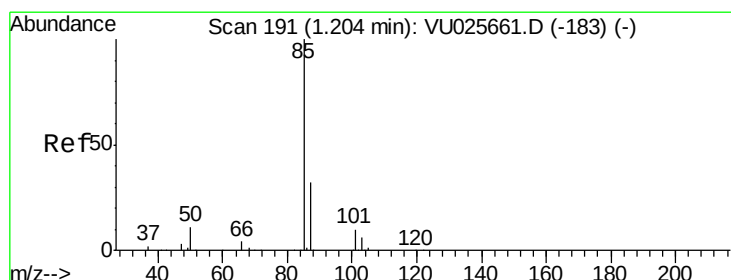
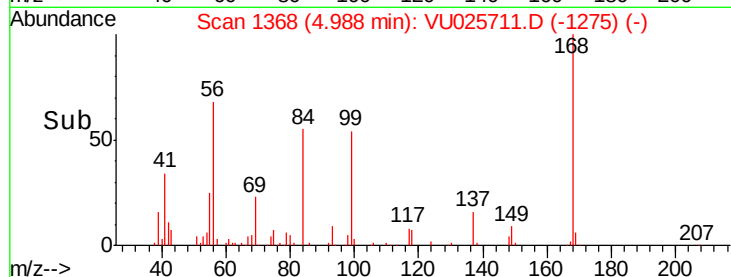
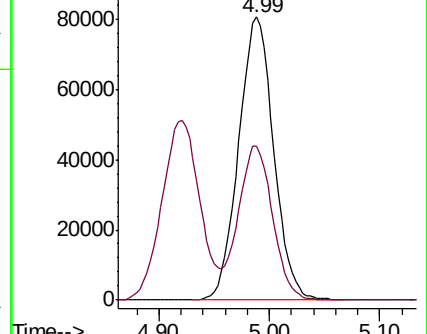
168 100

99 54.1 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)



#2

Dichlorodifluoromethane

Concen: 52.86 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025711.D

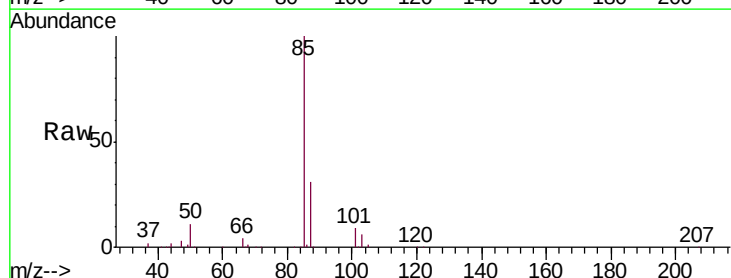
Acq: 28 Jul 2018 08:28

Tgt Ion: 85 Resp: 141268

Ion Ratio Lower Upper

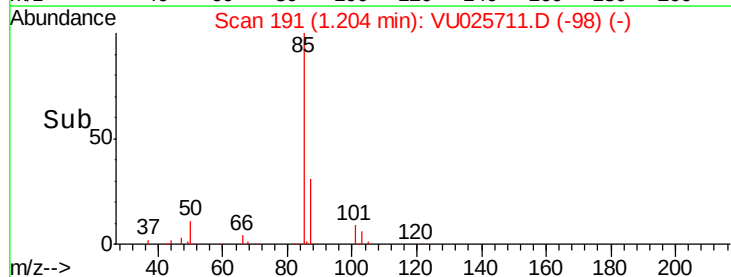
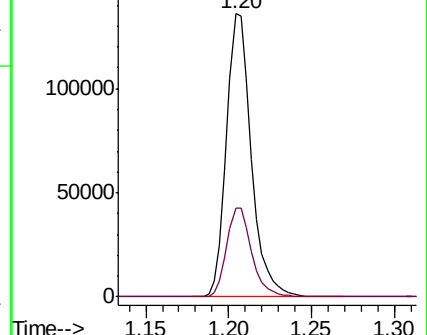
85 100

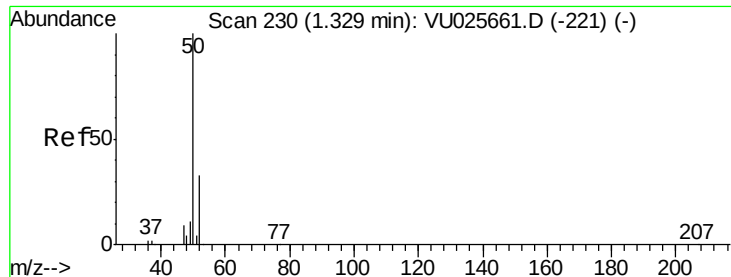
87 31.4 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025661.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025661.D (-183) (-)

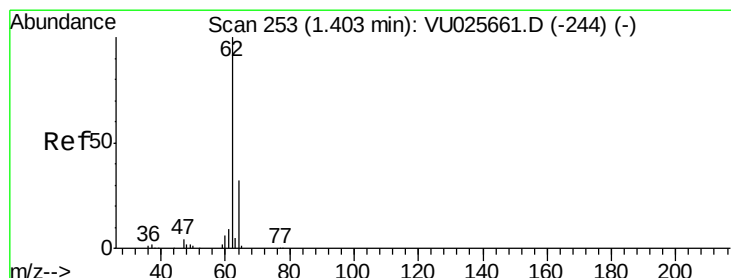
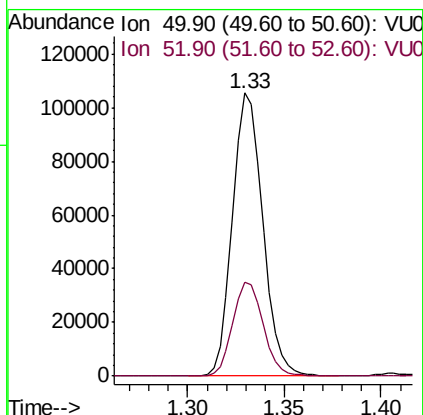
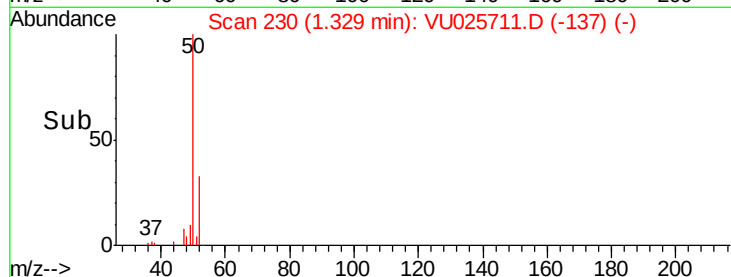
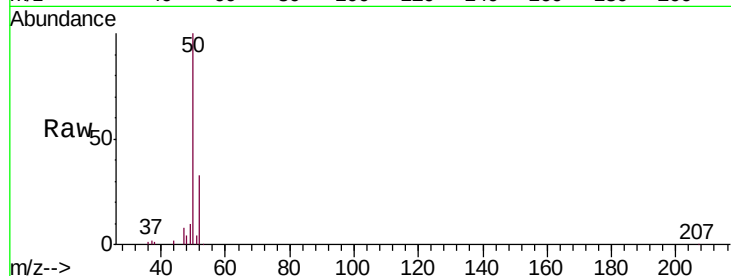




#3
Chloromethane
Concen: 44.83 ug/l
RT: 1.33 min Scan# 230
Delta R.T. -0.00 min
Lab File: VU025711.D
Acq: 28 Jul 2018 08:28

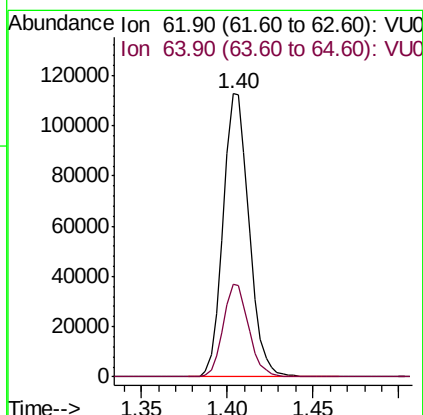
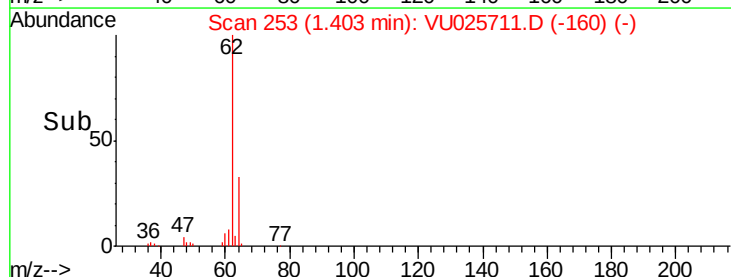
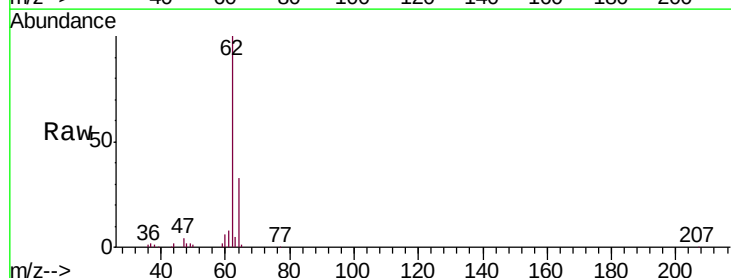
Instrument :
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VSTDCCC050EC

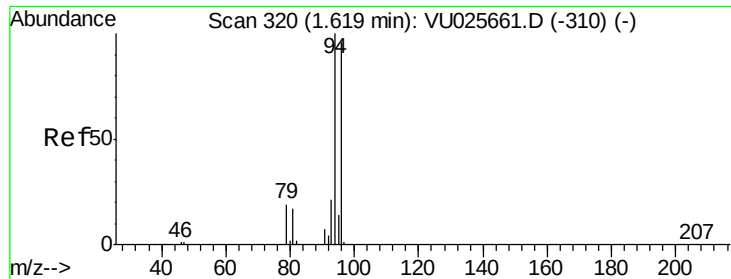
Tot Ion: 50 Resp: 114519
Ion Ratio Lower Upper
50 100
52 33.1 26.5 39.7



#4
Vinyl Chloride
Concen: 49.39 ug/l
RT: 1.40 min Scan# 253
Delta R.T. -0.00 min
Lab File: VU025711.D
Acq: 28 Jul 2018 08:28

Tgt Ion: 62 Resp: 118731
Ion Ratio Lower Upper
62 100
64 32.6 25.4 38.0





#5

Bromomethane

Concen: 47.89 ug/l

RT: 1.62 min Scan# 321

Delta R.T. 0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

Instrument :

MSVOA_U

ClientSampleId :

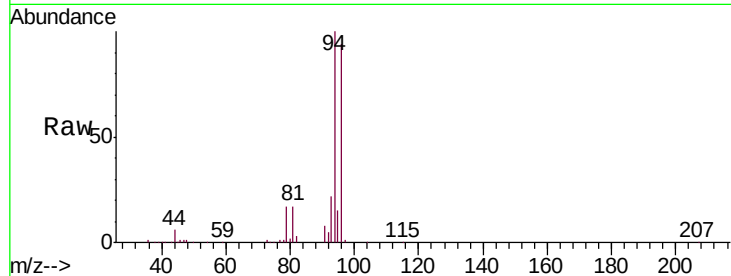
VSTDCCC050EC

Tot Ion: 94 Resp: 56232

Ion Ratio Lower Upper

94 100

96 93.8 75.0 112.4

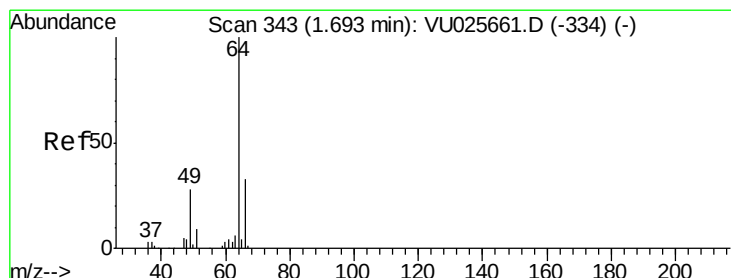
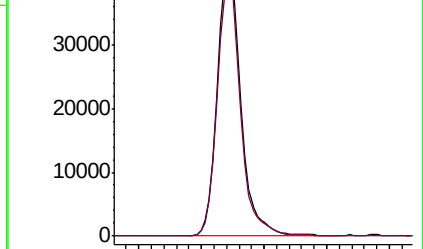
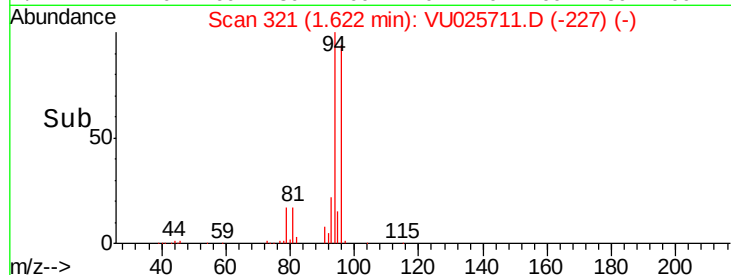


Abundance Ion 93.90 (93.60 to 94.60): VU025661.D (-310) (-)

Ion 95.90 (95.60 to 96.60): VU025661.D (-310) (-)

1.62

Time-->



#6

Chloroethane

Concen: 48.53 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025711.D

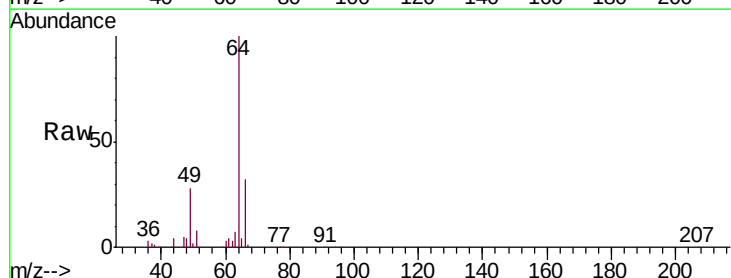
Acq: 28 Jul 2018 08:28

Tgt Ion: 64 Resp: 68208

Ion Ratio Lower Upper

64 100

66 32.1 25.0 37.4

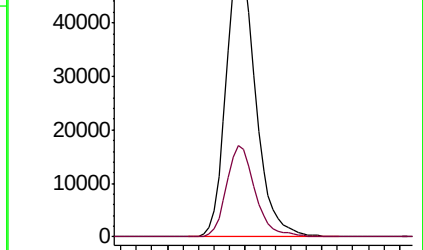
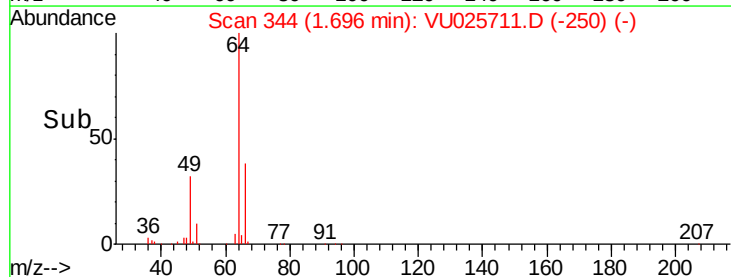


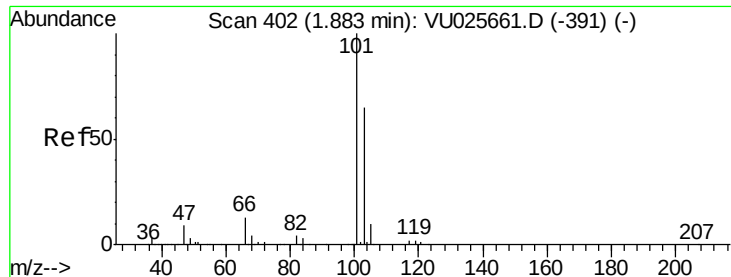
Abundance Ion 63.90 (63.60 to 64.60): VU025661.D (-334) (-)

Ion 65.90 (65.60 to 66.60): VU025661.D (-334) (-)

1.70

Time-->





#7

Trichlorofluoromethane

Concen: 49.56 ug/l

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

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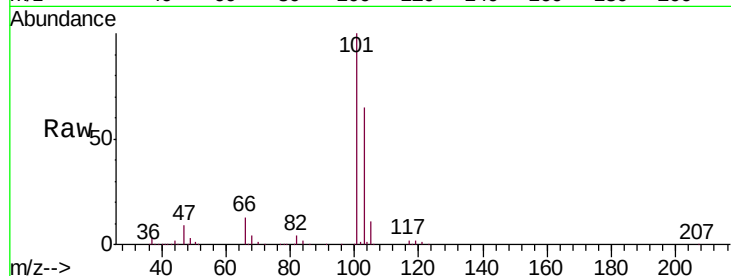
VSTDCCC050EC

Tot Ion:101 Resp: 172261

Ion Ratio Lower Upper

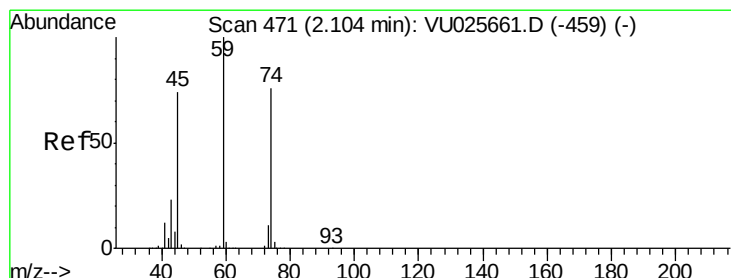
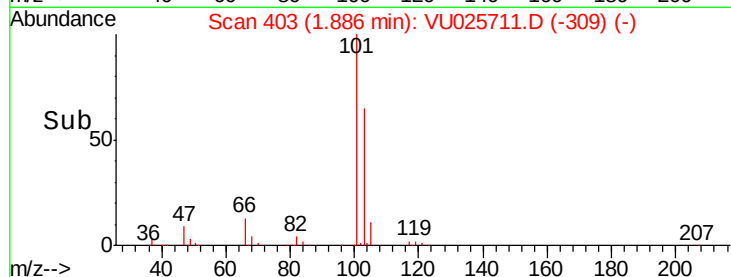
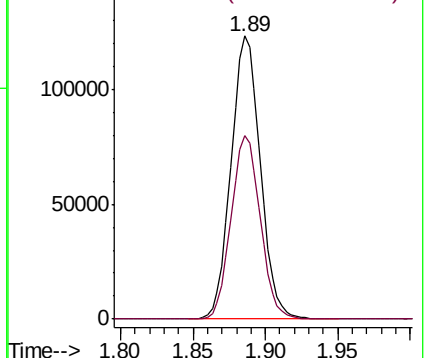
101 100

103 64.9 52.2 78.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 47.77 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025711.D

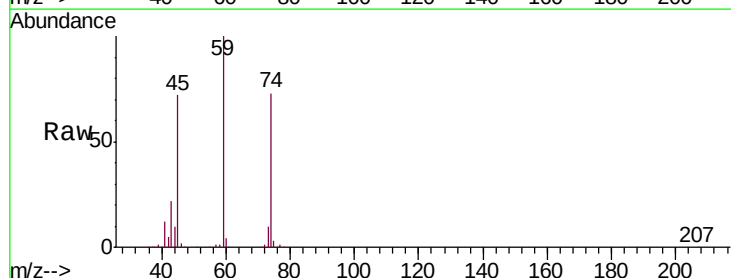
Acq: 28 Jul 2018 08:28

Tgt Ion: 74 Resp: 60078

Ion Ratio Lower Upper

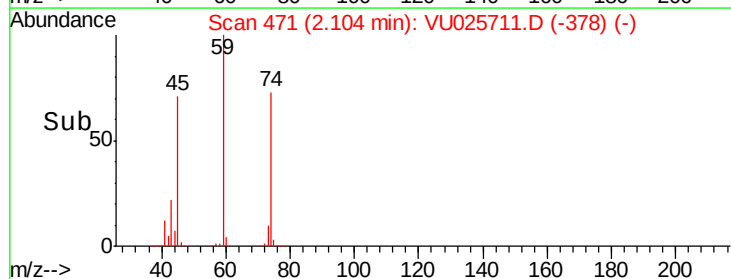
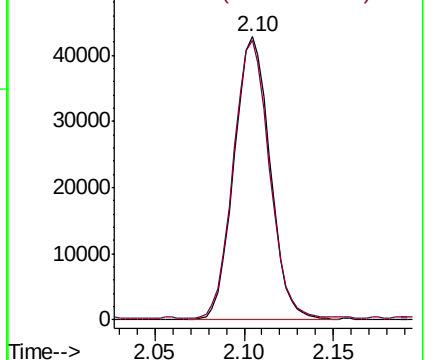
74 100

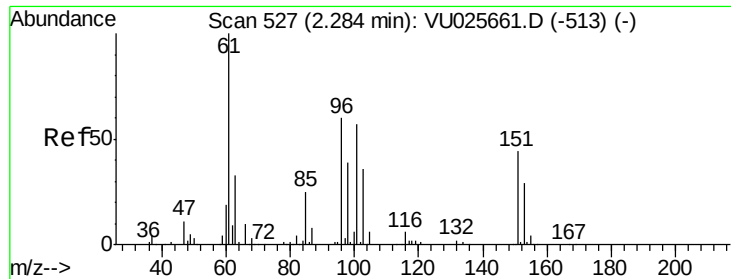
45 98.6 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.13 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

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ClientSampleId :

VSTDCCC050EC

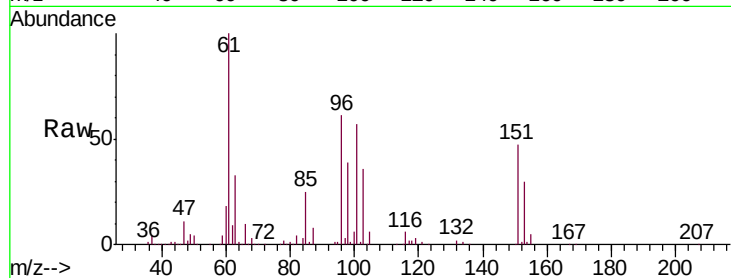
Tot Ion:101 Resp: 98808

Ion Ratio Lower Upper

101 100

85 44.7 36.0 54.0

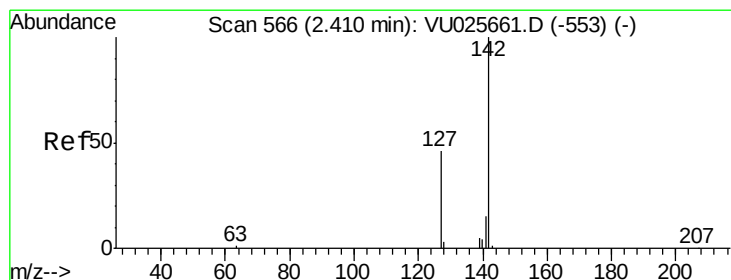
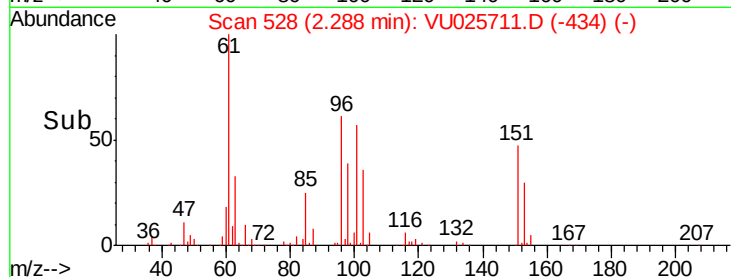
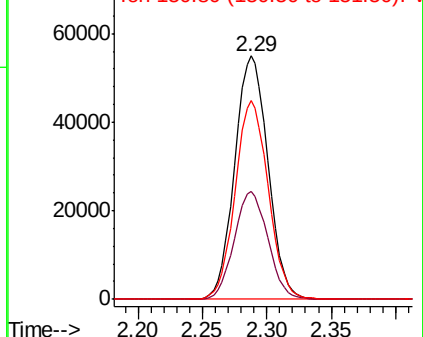
151 81.1 65.6 98.4



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: 39.58 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

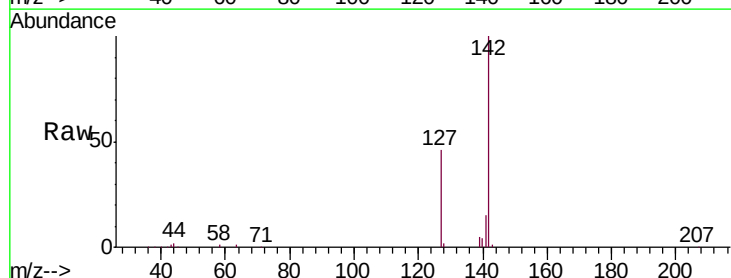
Tgt Ion:142 Resp: 70195

Ion Ratio Lower Upper

142 100

127 45.8 36.5 54.7

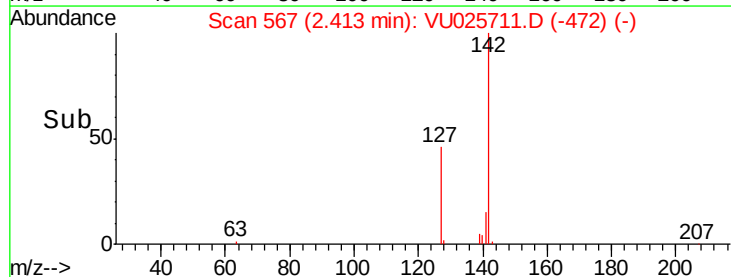
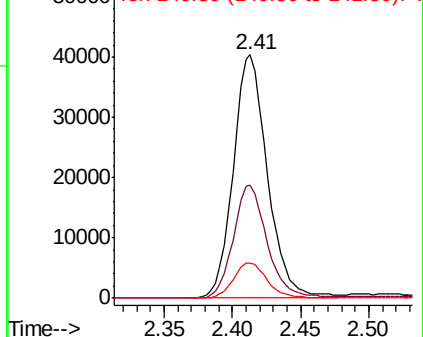
141 14.3 11.4 17.2

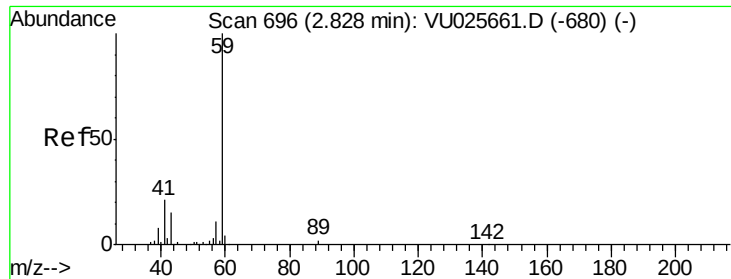


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



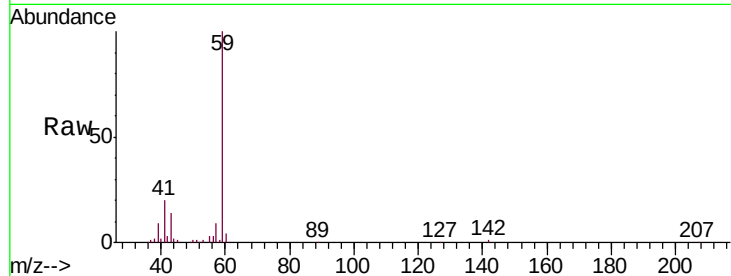


#11

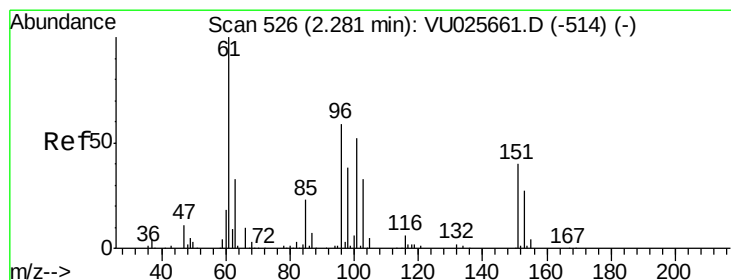
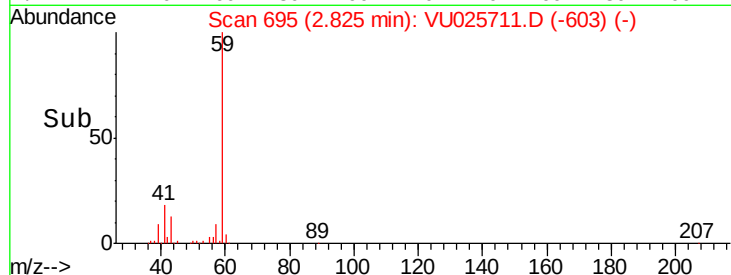
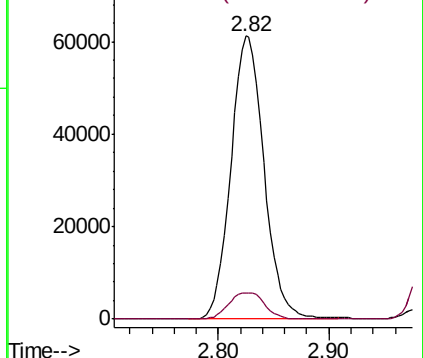
Tert butyl alcohol
 Concen: 211.60 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: VU025711.D
 Acq: 28 Jul 2018 08:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 59 Resp: 127638
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.2



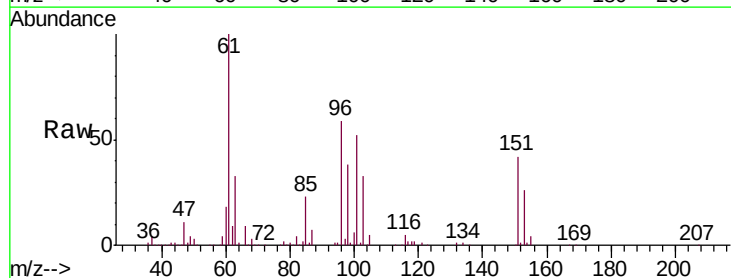
Abundance Ion 59.00 (58.70 to 59.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0



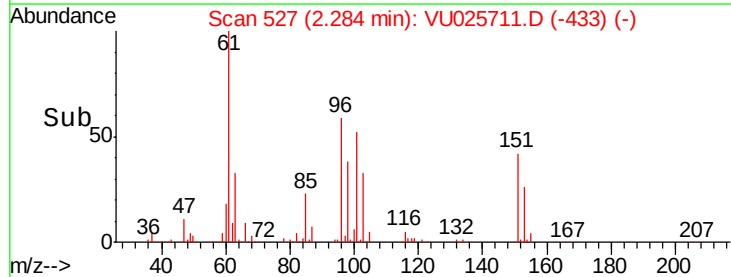
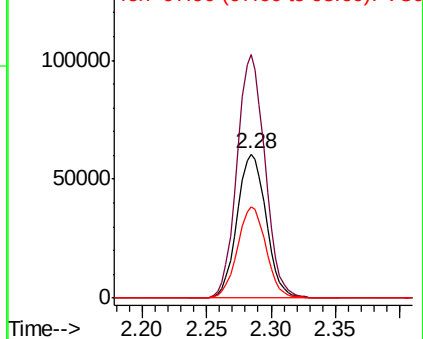
#12

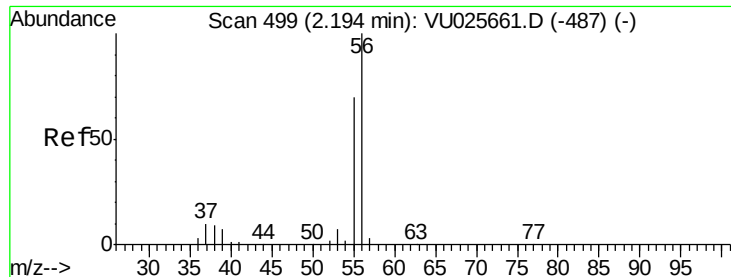
1,1-Dichloroethene
 Concen: 49.96 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025711.D
 Acq: 28 Jul 2018 08:28

Tgt Ion: 96 Resp: 94852
 Ion Ratio Lower Upper
 96 100
 61 168.9 140.2 210.4
 98 63.6 49.3 73.9



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





#13

Acrolein

Concen: 199.15 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

Instrument :

MSVOA_U

ClientSampleId :

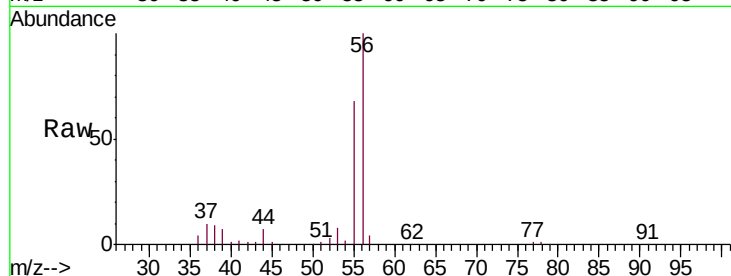
VSTDCCC050EC

Tot Ion: 56 Resp: 43594

Ion Ratio Lower Upper

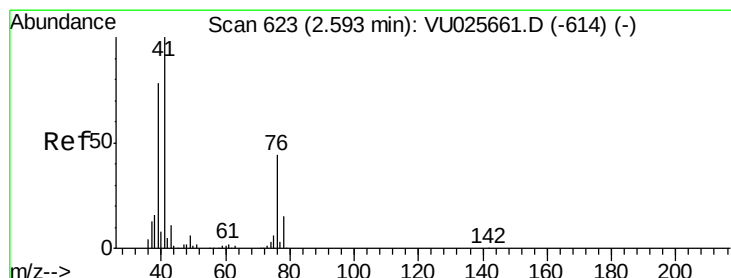
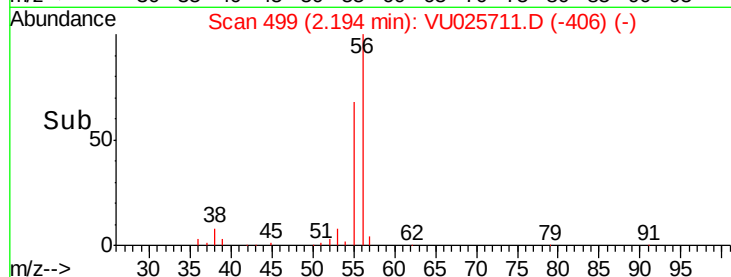
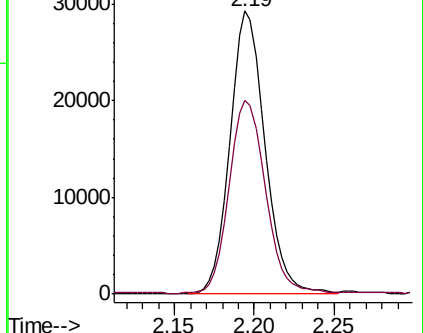
56 100

55 71.8 57.2 85.8



Abundance Ion 56.00 (55.70 to 56.70): VU025661.D (-487) (-)

Ion 55.00 (54.70 to 55.70): VU025661.D (-487) (-)



#14

Allyl chloride

Concen: 43.20 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

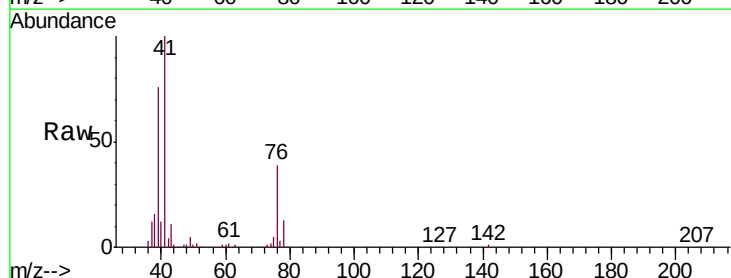
Tgt Ion: 41 Resp: 147378

Ion Ratio Lower Upper

41 100

39 74.1 60.6 91.0

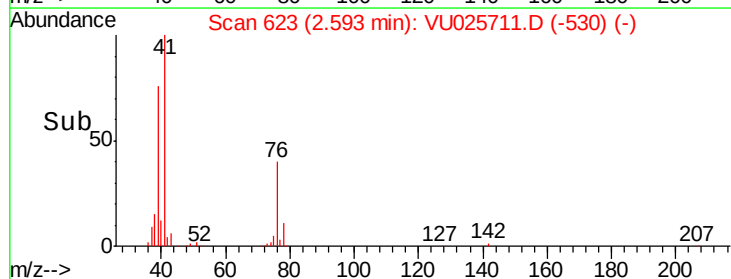
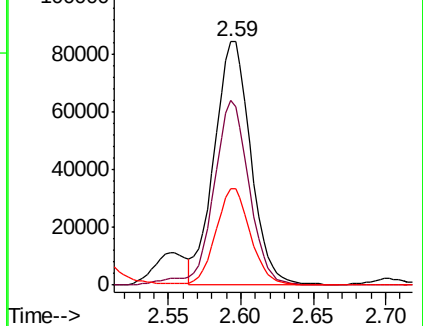
76 37.6 30.5 45.7

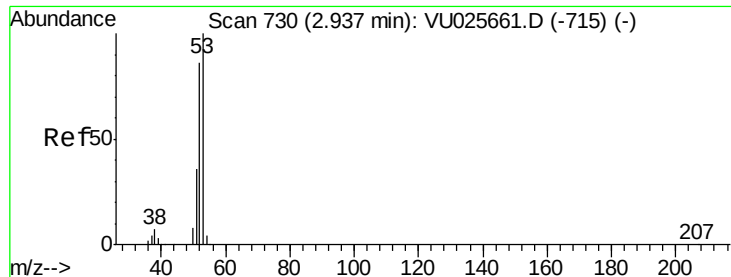


Abundance Ion 41.00 (40.70 to 41.70): VU025661.D (-614) (-)

Ion 39.00 (38.70 to 39.70): VU025661.D (-614) (-)

Ion 75.90 (75.60 to 76.60): VU025661.D (-614) (-)





#15

Acrylonitrile

Concen: 241.41 ug/l

RT: 2.94 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

Instrument :

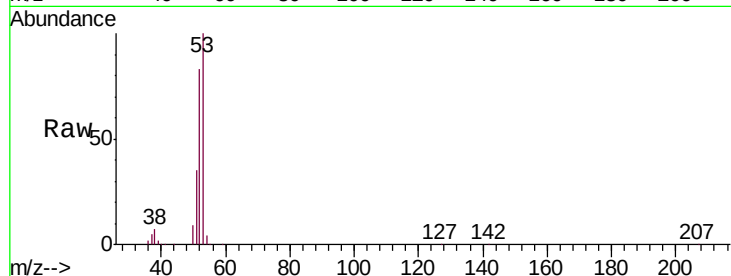
MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 290736

Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.6	99.8
51	34.7	29.4	44.2

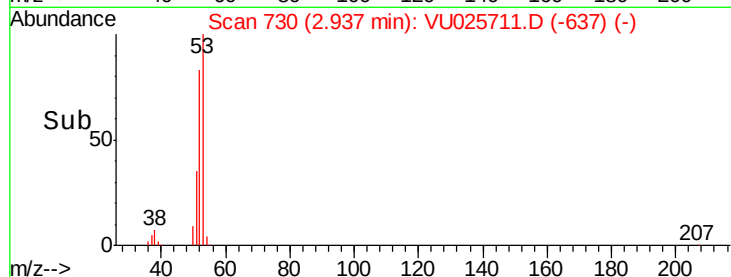


Abundance

Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

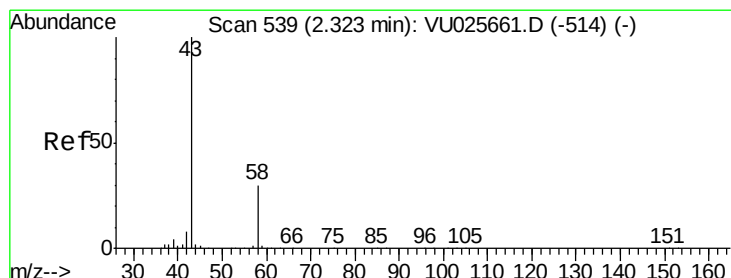


Abundance

Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 197.99 ug/l

RT: 2.32 min Scan# 539

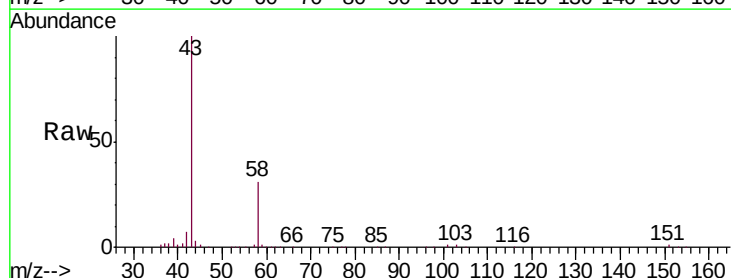
Delta R.T. 0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

Tgt Ion: 43 Resp: 265950

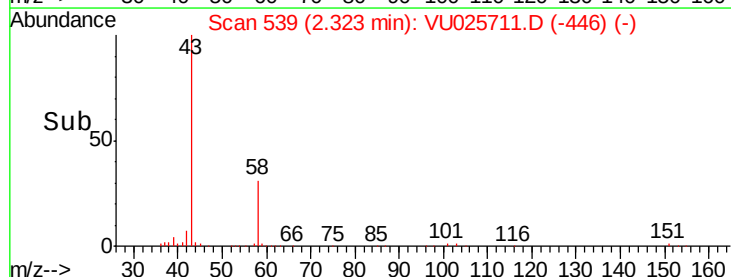
Ion	Ratio	Lower	Upper
43	100		
58	30.7	23.1	34.7



Abundance

Ion 43.00 (42.70 to 43.70): VU0

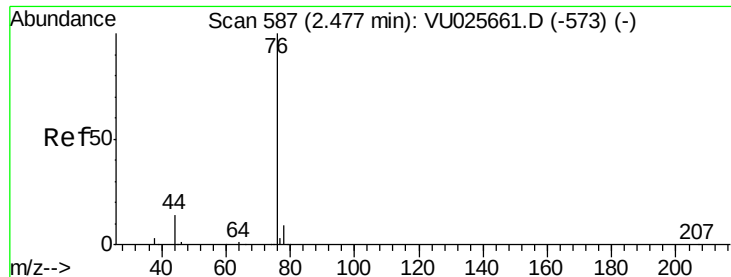
Ion 58.00 (57.70 to 58.70): VU0



Abundance

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#17

Carbon Disulfide

Concen: 46.72 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

Instrument :

MSVOA_U

ClientSampleId :

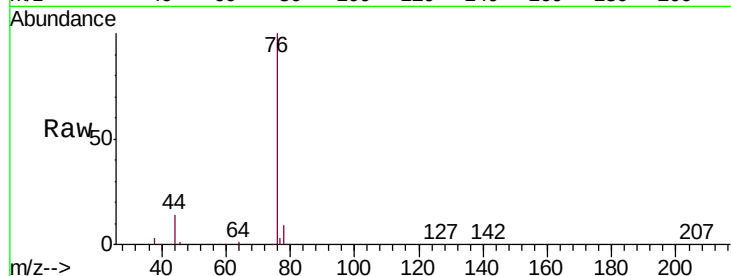
VSTDCCC050EC

Tot Ion: 76 Resp: 287085

Ion Ratio Lower Upper

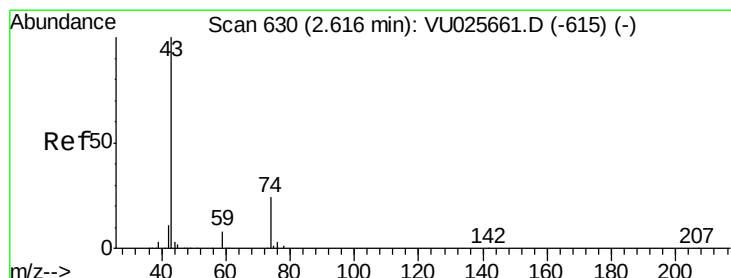
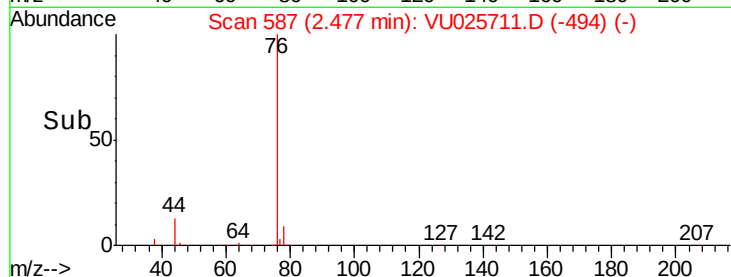
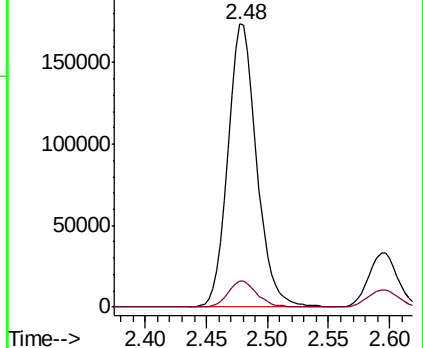
76 100

78 9.4 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU025711.D (-494) (-)

Ion 77.90 (77.60 to 78.60): VU025711.D (-494) (-)



#18

Methyl Acetate

Concen: 51.39 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025711.D

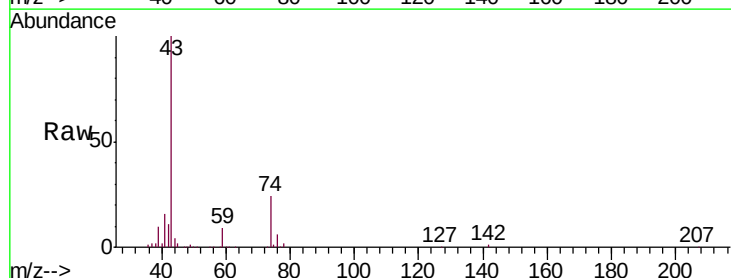
Acq: 28 Jul 2018 08:28

Tgt Ion: 43 Resp: 166148

Ion Ratio Lower Upper

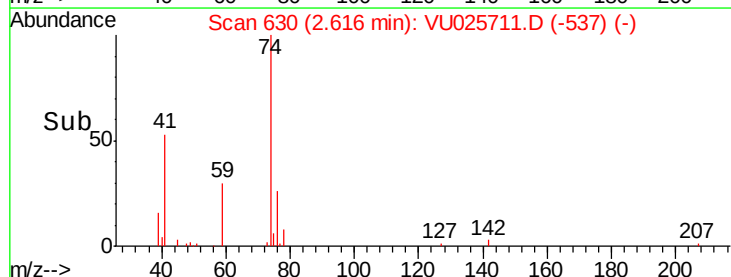
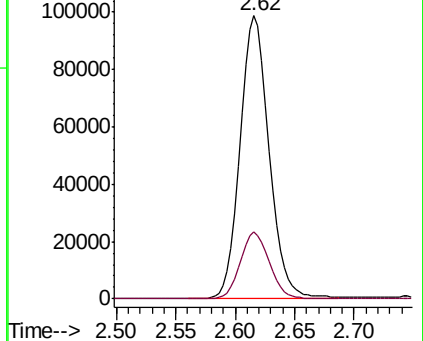
43 100

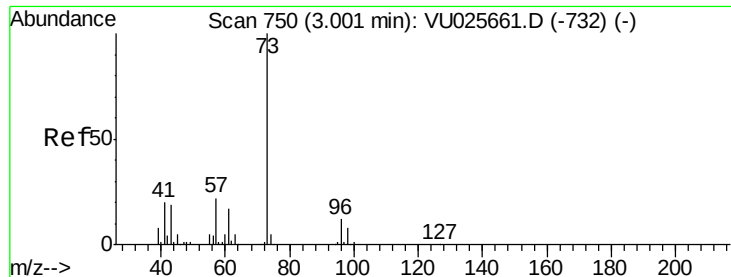
74 23.9 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU025711.D (-537) (-)

Ion 74.00 (73.70 to 74.70): VU025711.D (-537) (-)

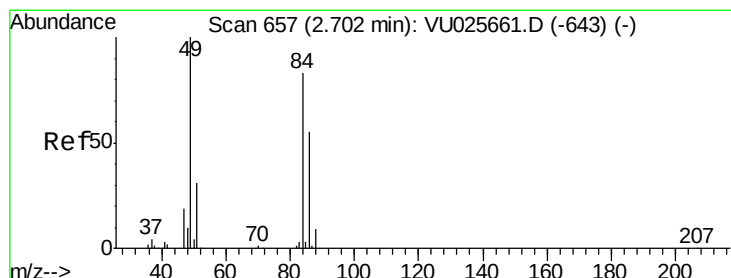
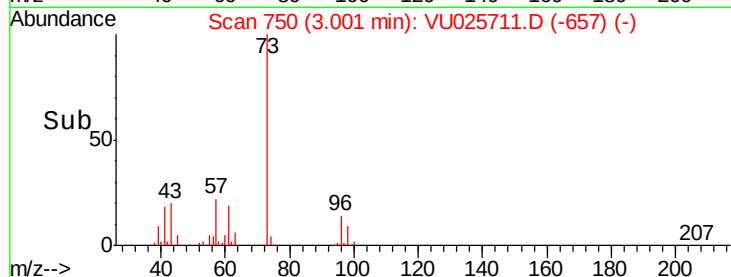
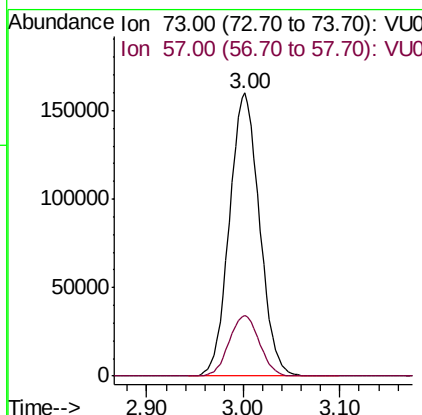
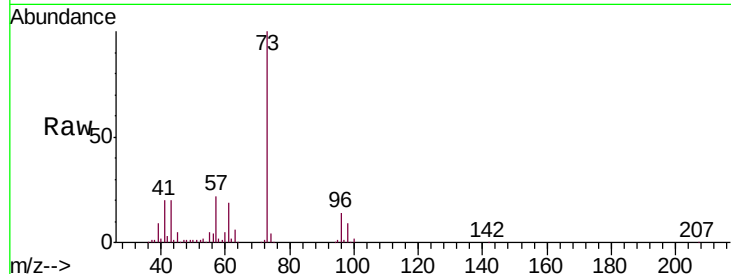




#19
Methyl tert-butyl Ether
Concen: 50.11 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025711.D
Acq: 28 Jul 2018 08:28

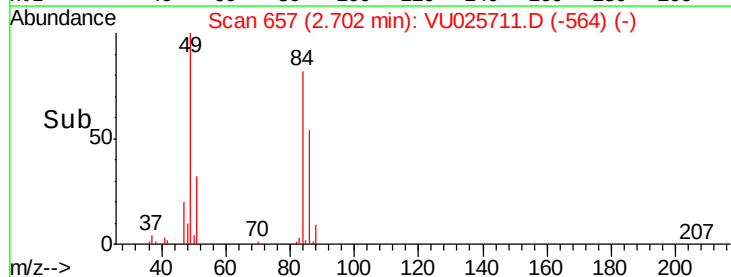
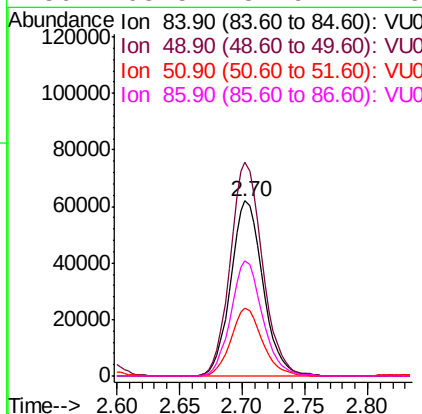
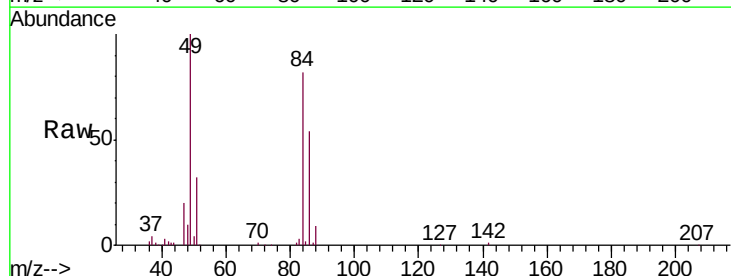
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

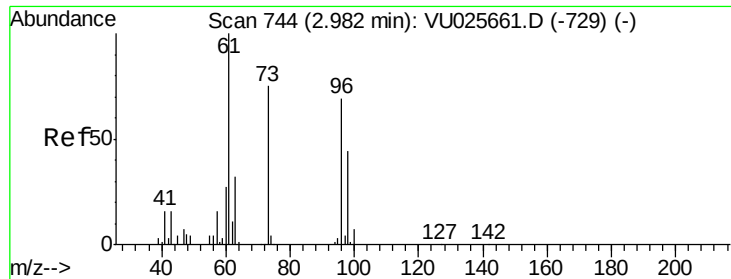
Tot Ion: 73 Resp: 344748
Ion Ratio Lower Upper
73 100
57 21.5 17.4 26.2



#20
Methylene Chloride
Concen: 46.47 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025711.D
Acq: 28 Jul 2018 08:28

Tgt Ion: 84 Resp: 110624
Ion Ratio Lower Upper
84 100
49 121.9 101.8 152.6
51 38.8 30.8 46.2
86 65.5 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 48.18 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

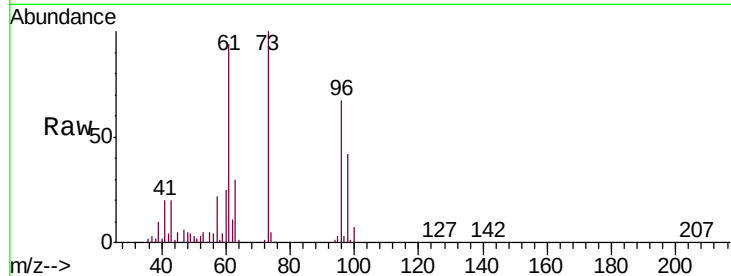
Tot Ion: 96 Resp: 105736

Ion Ratio Lower Upper

96 100

61 140.6 114.5 171.7

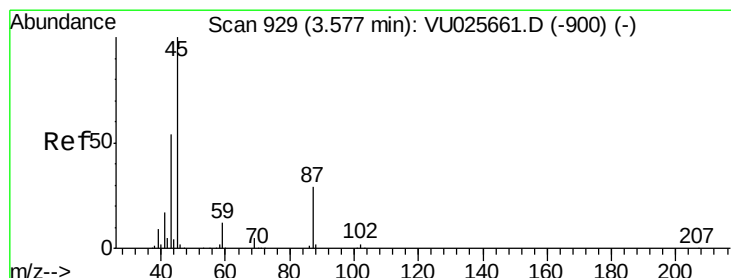
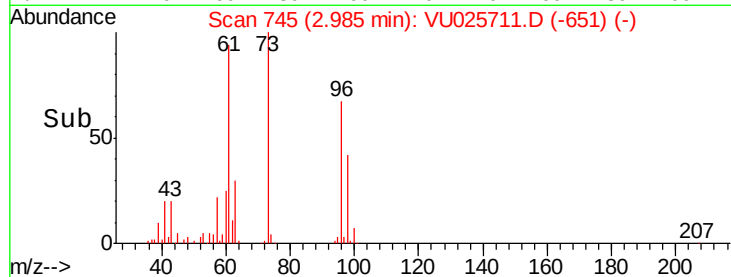
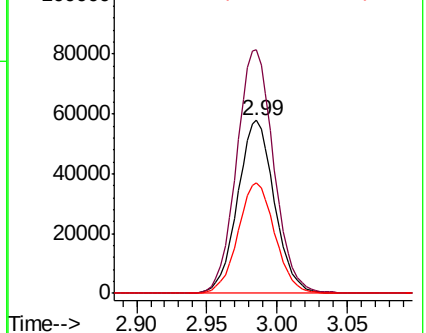
98 63.6 50.5 75.7



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: 49.82 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

Tgt Ion: 45 Resp: 334977

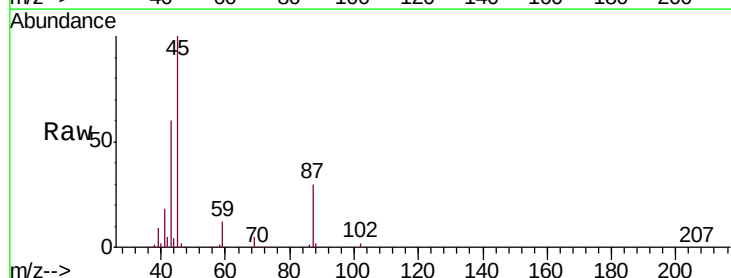
Ion Ratio Lower Upper

45 100

43 58.9 50.9 76.3

87 29.5 23.8 35.8

59 12.3 9.0 13.4

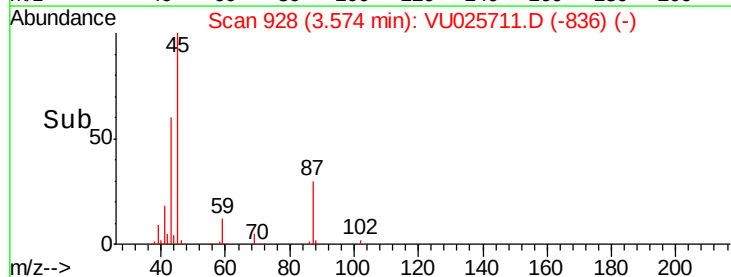
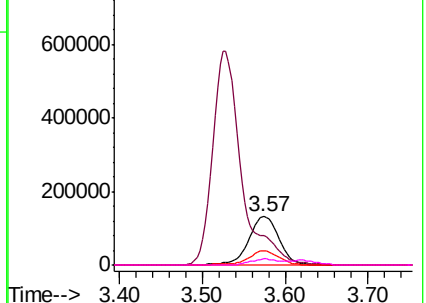


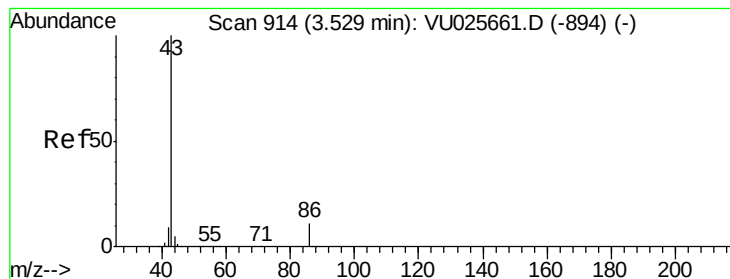
Abundance Ion 45.00 (44.70 to 45.70): VU0

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: 239.98 ug/l

RT: 3.53 min Scan# 914

Delta R.T. -0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

Instrument :

MSVOA_U

ClientSampleId :

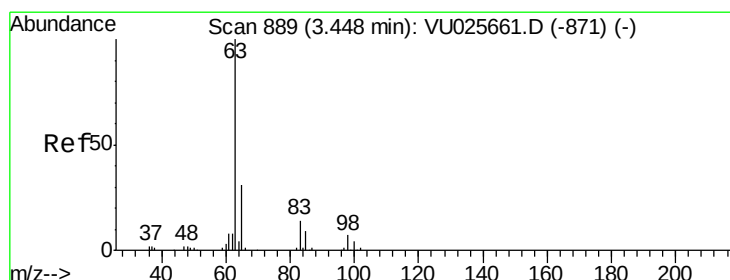
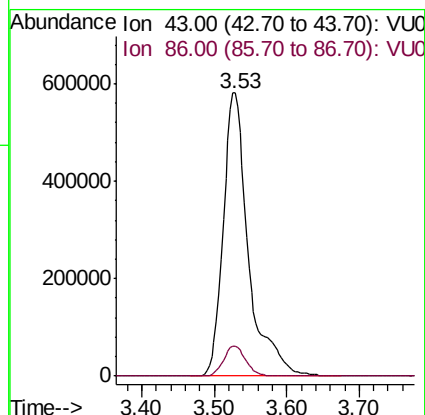
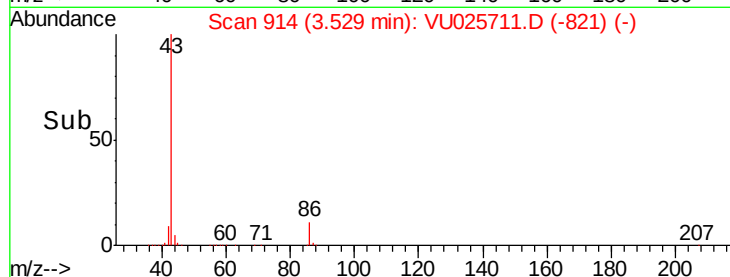
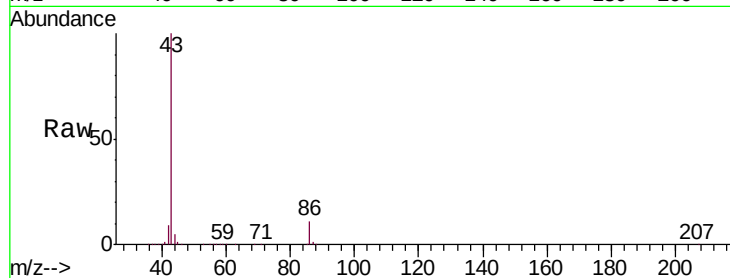
VSTDCCC050EC

Tot Ion: 43 Resp: 1406093

Ion Ratio Lower Upper

43 100

86 10.6 8.2 12.2



#24

1,1-Dichloroethane

Concen: 49.76 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

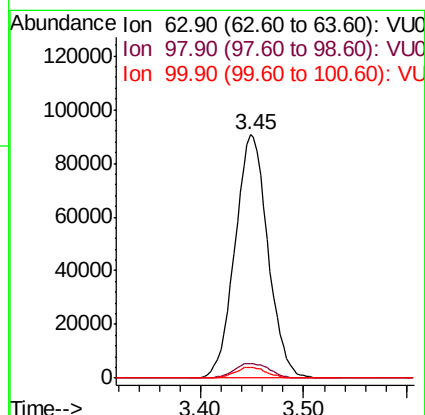
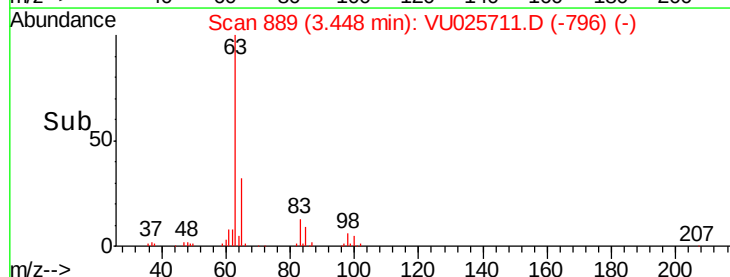
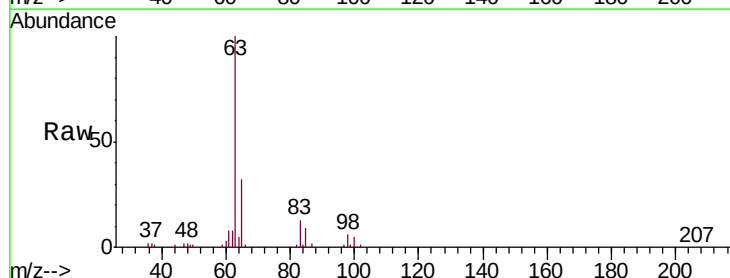
Tgt Ion: 63 Resp: 200826

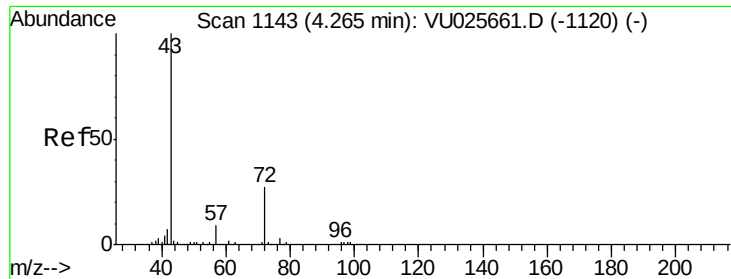
Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.1

100 4.5 2.0 6.0





#25

2-Butanone

Concen: 223.61 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

Instrument :

MSVOA_U

ClientSampleId :

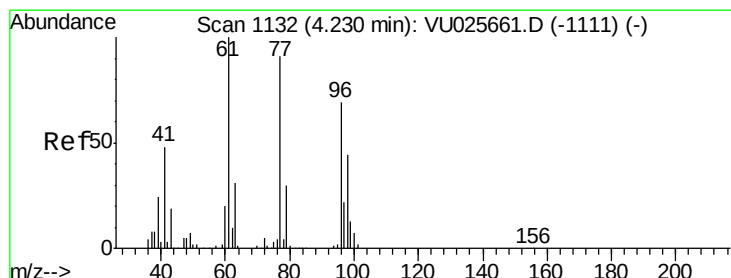
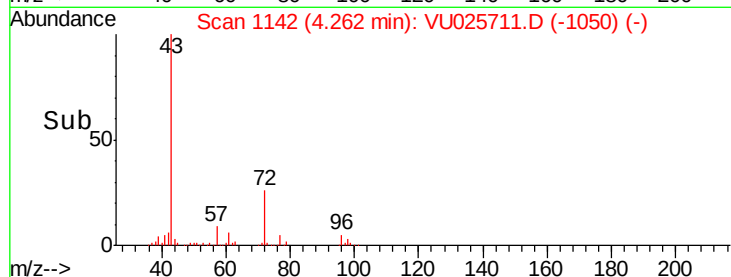
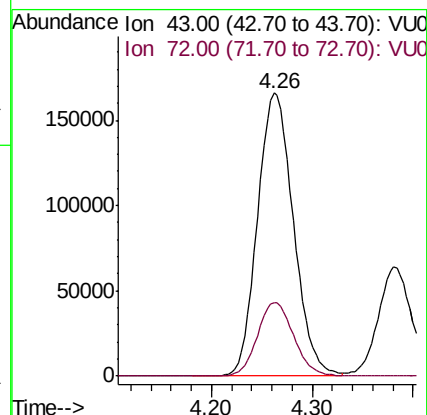
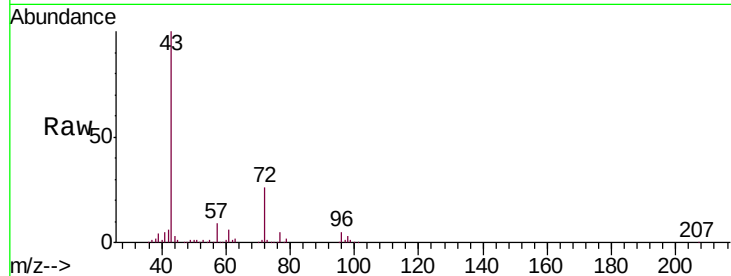
VSTDCCC050EC

Tot Ion: 43 Resp: 408869

Ion Ratio Lower Upper

43 100

72 26.1 21.0 31.4



#26

2,2-Dichloropropane

Concen: 23.46 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025711.D

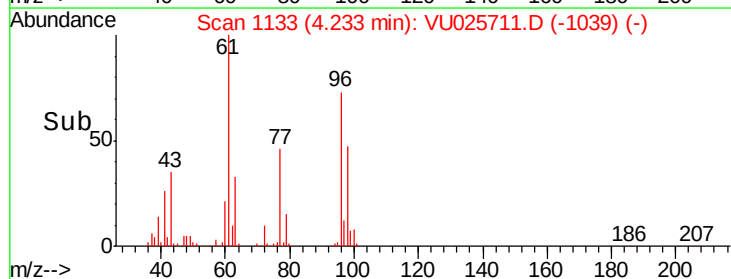
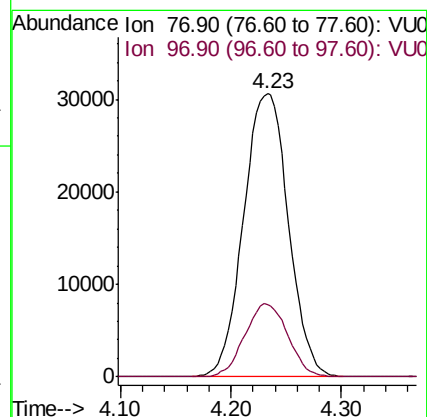
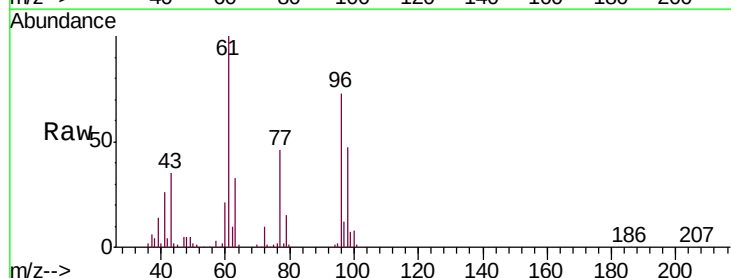
Acq: 28 Jul 2018 08:28

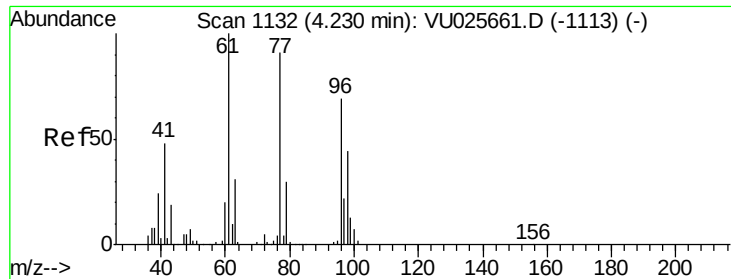
Tgt Ion: 77 Resp: 86062

Ion Ratio Lower Upper

77 100

97 25.0 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 48.09 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

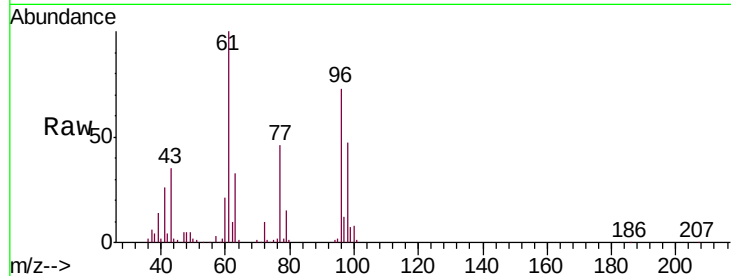
Tot Ion: 96 Resp: 119000

Ion Ratio Lower Upper

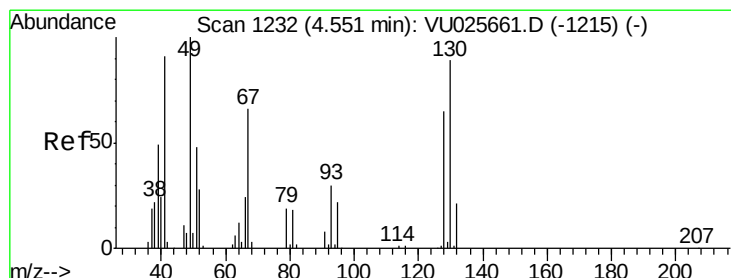
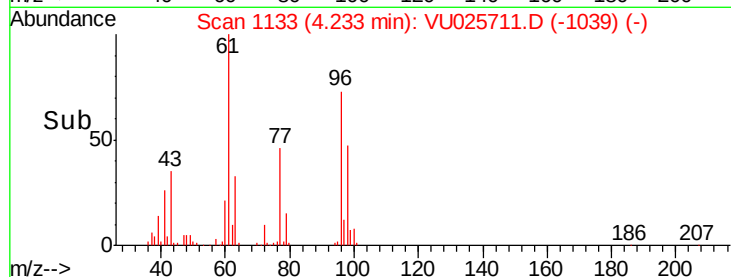
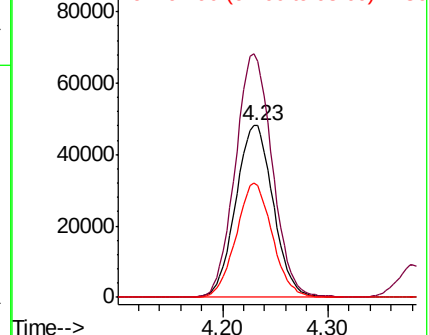
96 100

61 139.7 0.0 299.8

98 64.2 0.0 128.6



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: 51.38 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

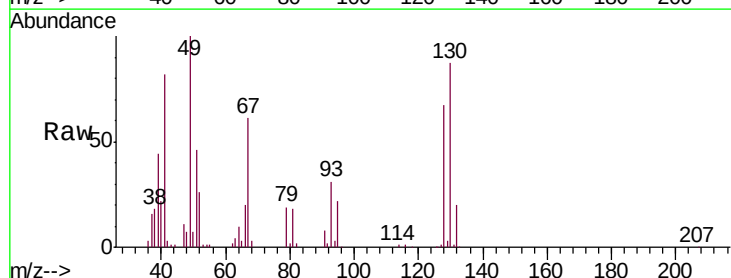
Tgt Ion: 49 Resp: 92722

Ion Ratio Lower Upper

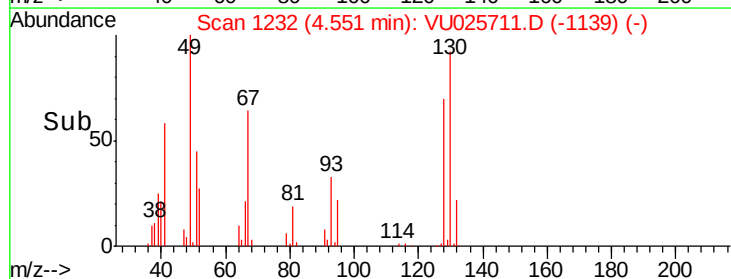
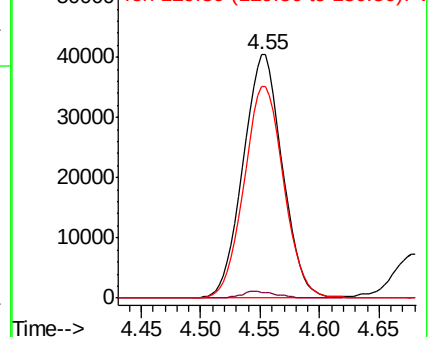
49 100

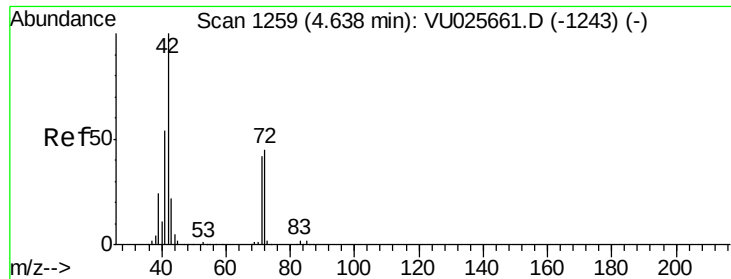
129 2.3 0.0 4.6

130 87.9 68.6 102.8



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: 237.83 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

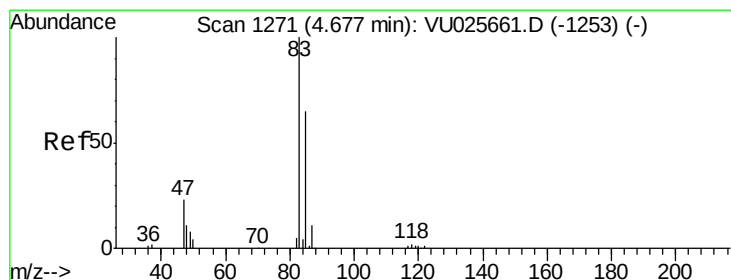
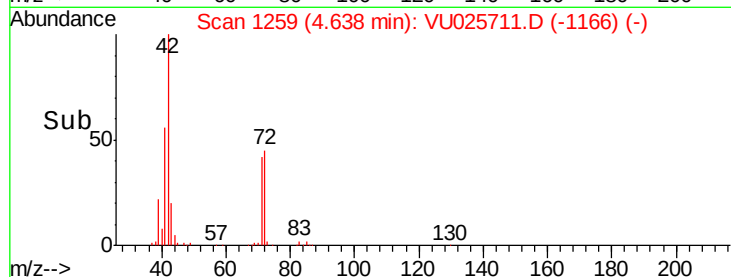
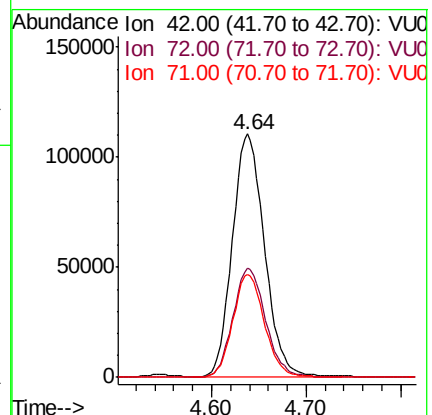
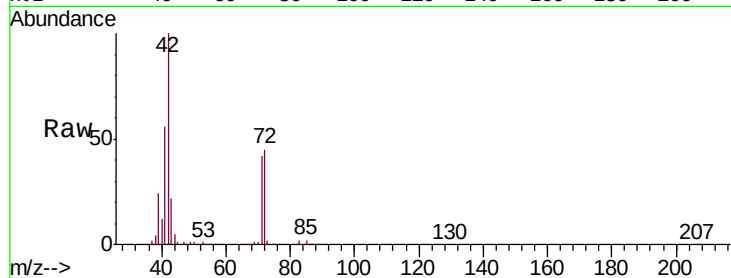
Tot Ion: 42 Resp: 260541

Ion Ratio Lower Upper

42 100

72 45.8 36.7 55.1

71 41.8 33.9 50.9



#30

Chloroform

Concen: 48.33 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU025711.D

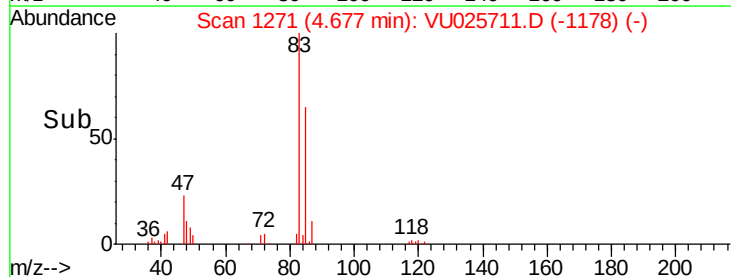
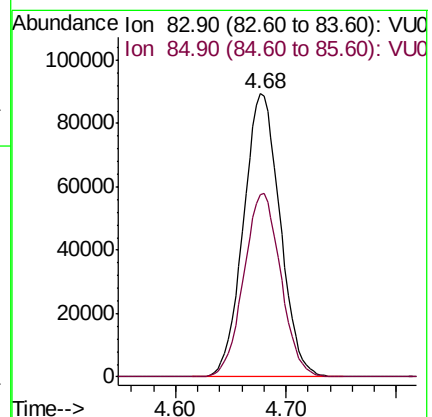
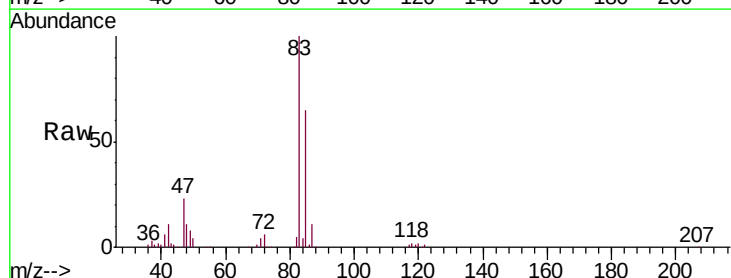
Acq: 28 Jul 2018 08:28

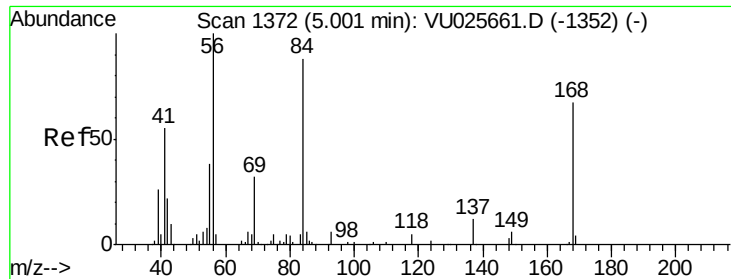
Tgt Ion: 83 Resp: 205910

Ion Ratio Lower Upper

83 100

85 64.5 51.5 77.3

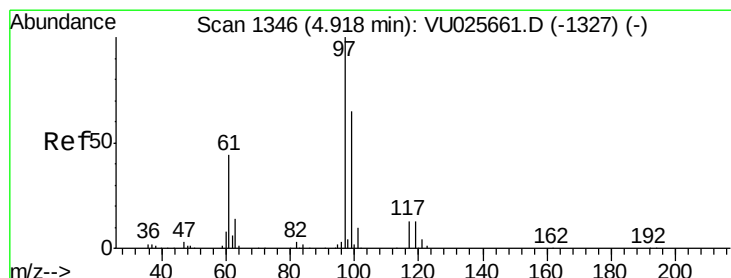
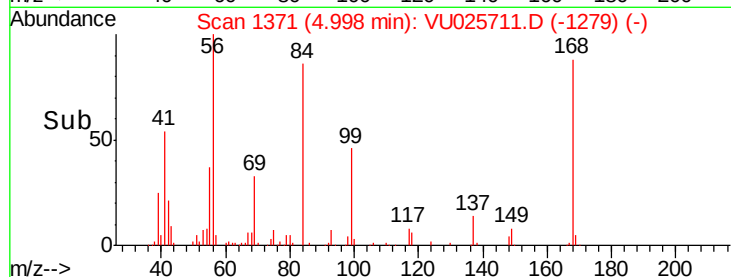
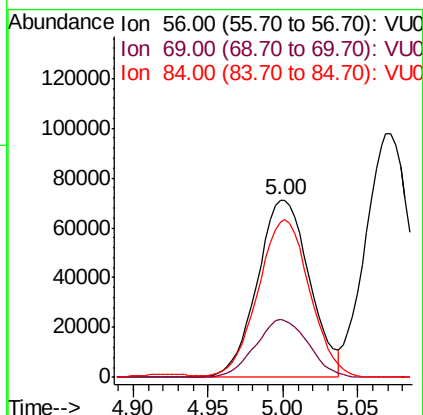
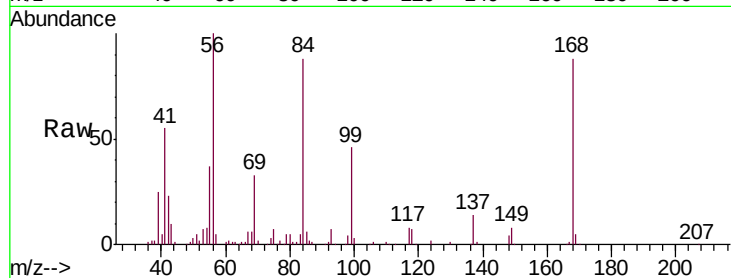




#31
Cyclohexane
Concen: 49.24 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025711.D
Acq: 28 Jul 2018 08:28

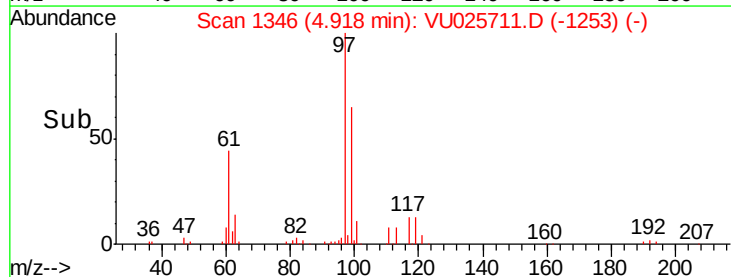
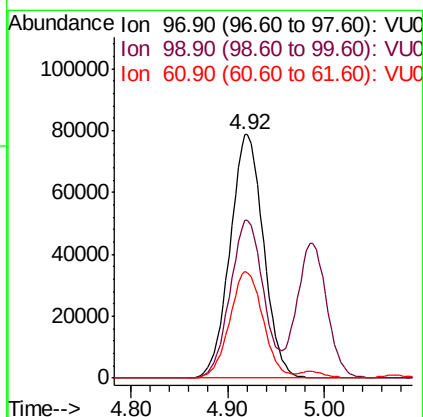
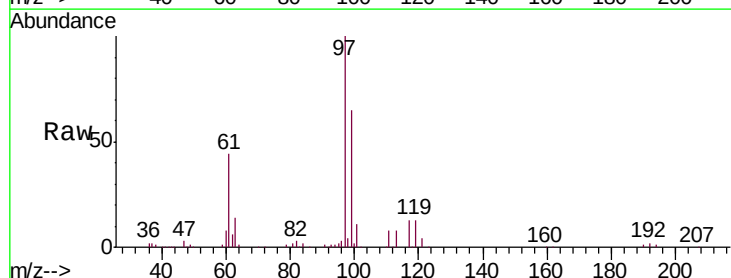
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

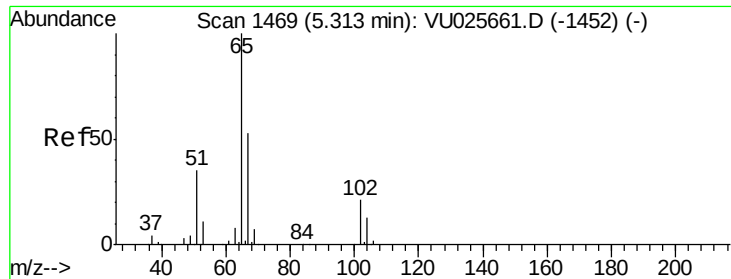
Tot Ion: 56 Resp: 172928
Ion Ratio Lower Upper
56 100
69 32.9 26.8 40.2
84 86.5 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 49.28 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025711.D
Acq: 28 Jul 2018 08:28

Tgt Ion: 97 Resp: 189026
Ion Ratio Lower Upper
97 100
99 65.1 50.8 76.2
61 43.7 35.2 52.8

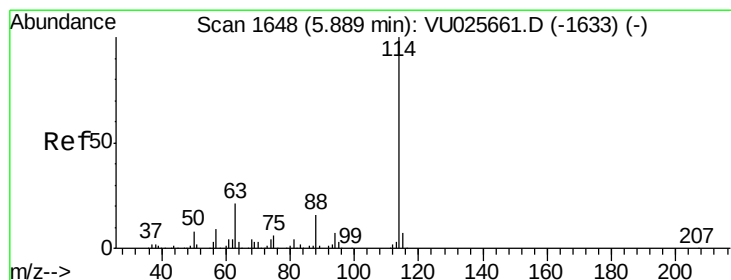
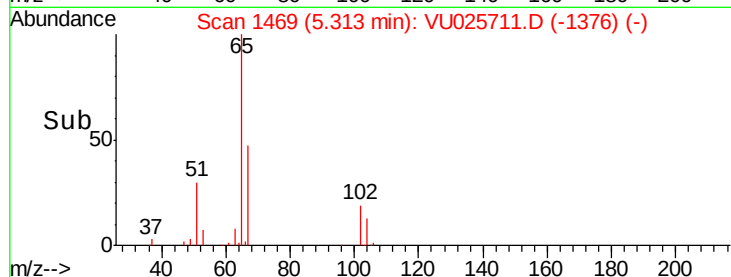
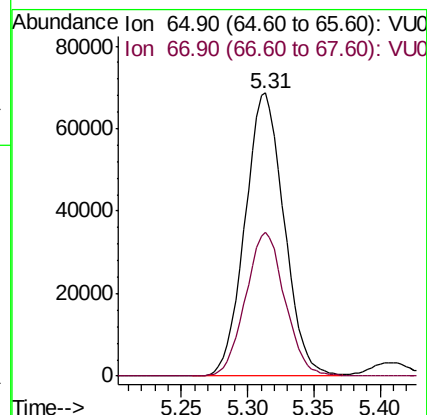
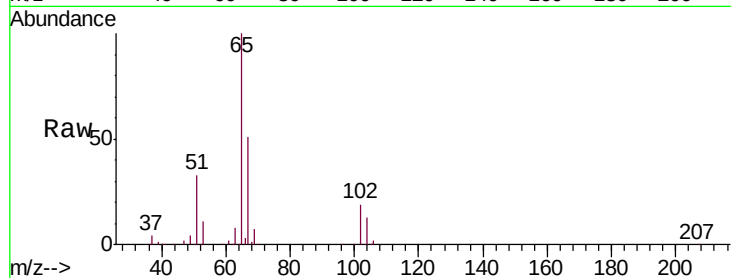




#33
 1,2-Dichloroethane-d4
 Concen: 51.21 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025711.D
 Acq: 28 Jul 2018 08:28

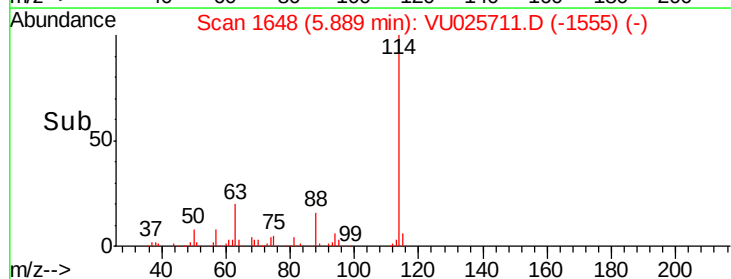
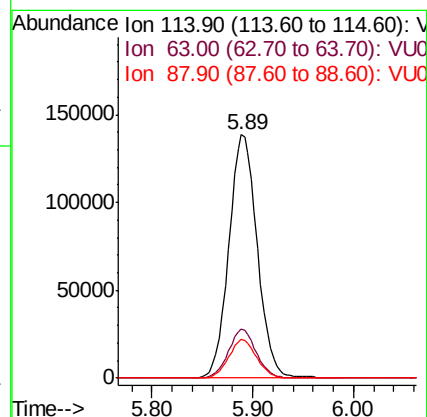
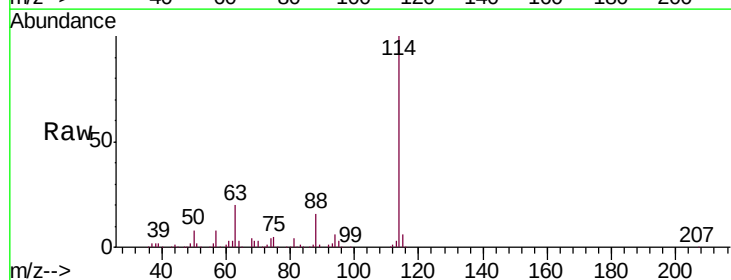
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

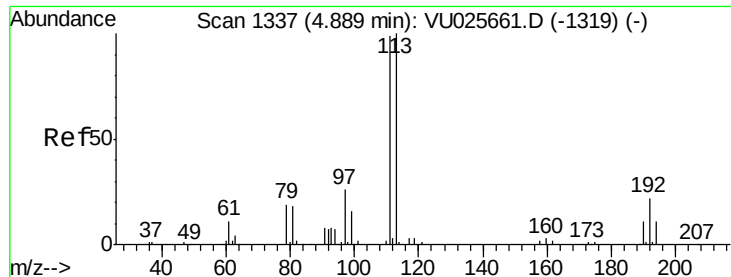
Tot Ion: 65 Resp: 141080
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025711.D
 Acq: 28 Jul 2018 08:28

Tgt Ion: 114 Resp: 271949
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.6
 88 15.7 0.0 32.4

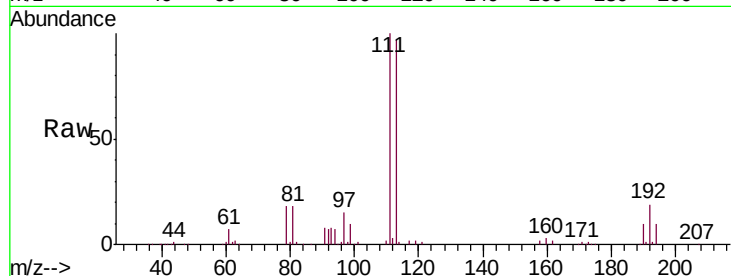




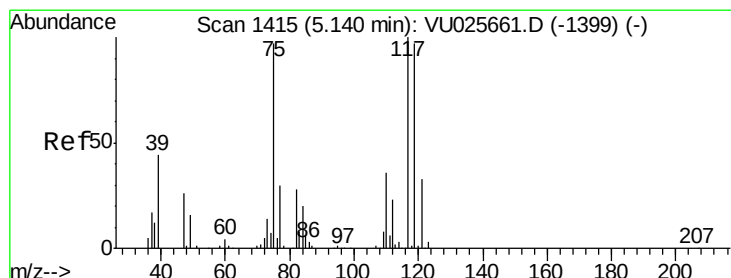
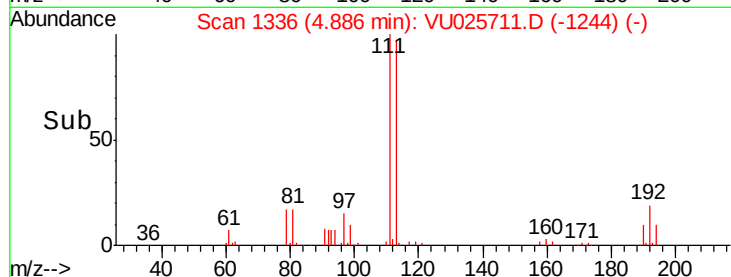
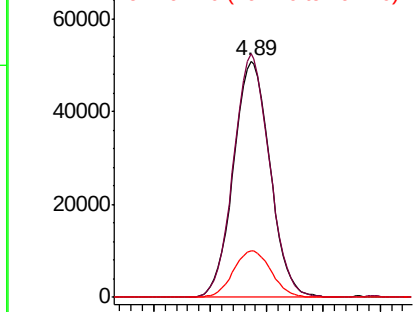
#35
 Dibromofluoromethane
 Concen: 48.48 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025711.D
 Acq: 28 Jul 2018 08:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 114666
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.7 122.5
 192 20.4 17.1 25.7

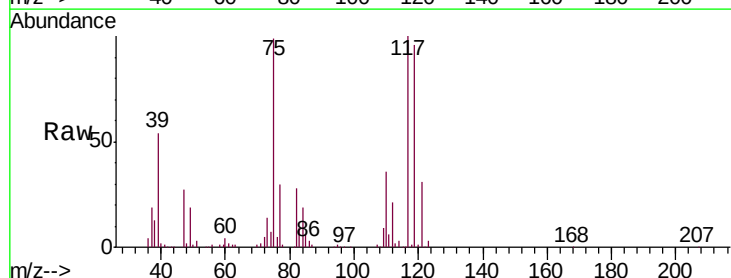


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

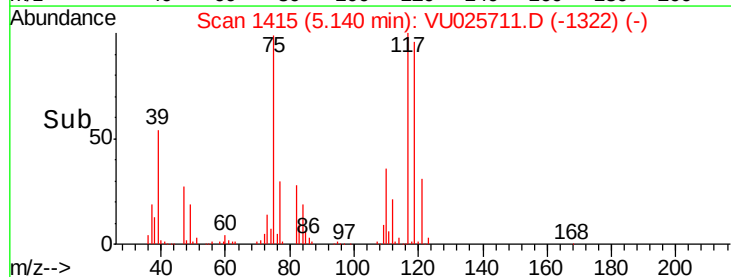
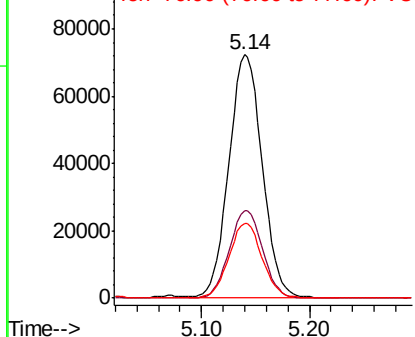


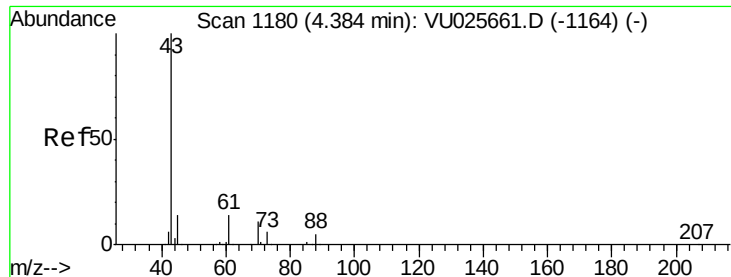
#36
 1,1-Dichloropropene
 Concen: 48.82 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025711.D
 Acq: 28 Jul 2018 08:28

Tgt Ion: 75 Resp: 155160
 Ion Ratio Lower Upper
 75 100
 110 36.1 17.6 52.9
 77 30.9 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

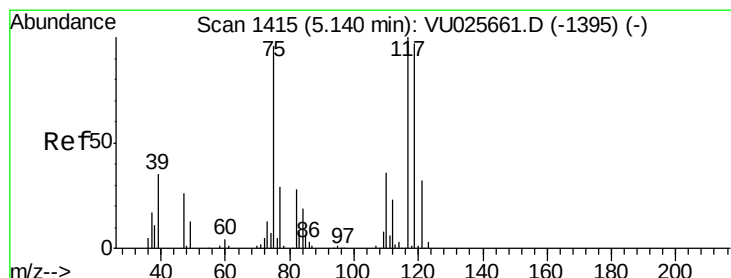
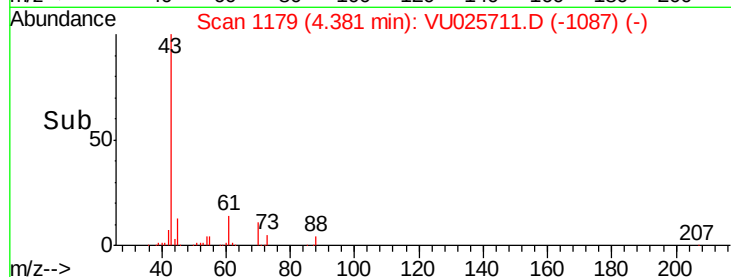
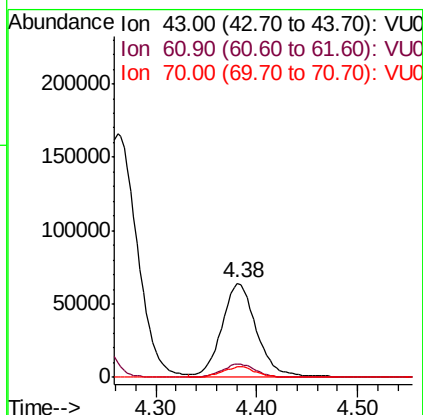
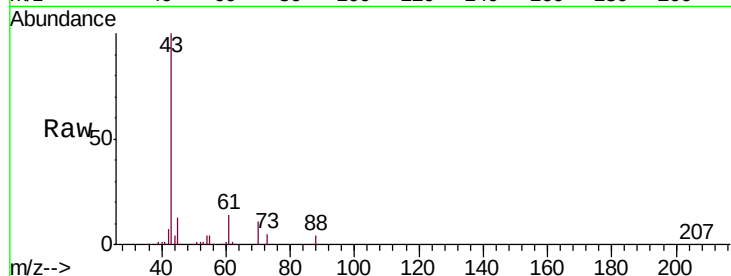




#37
Ethyl Acetate
Concen: 45.91 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU025711.D
Acq: 28 Jul 2018 08:28

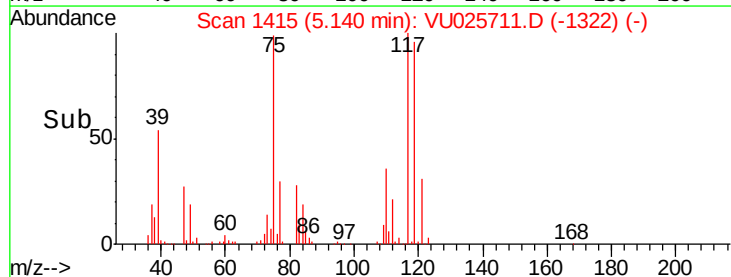
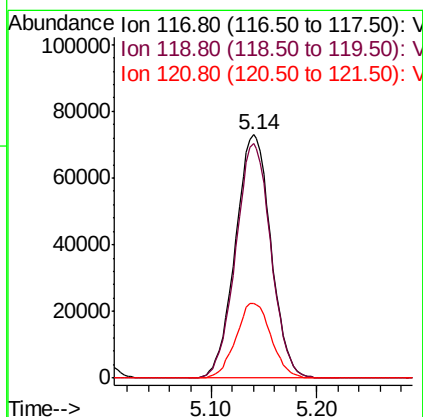
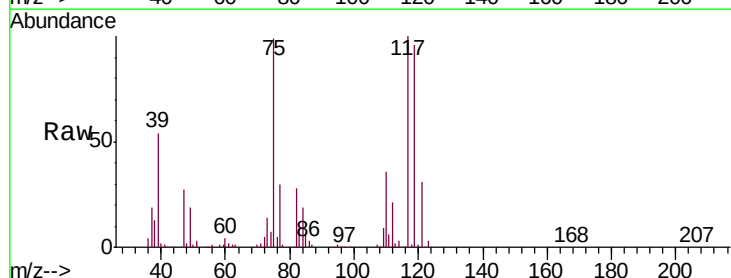
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

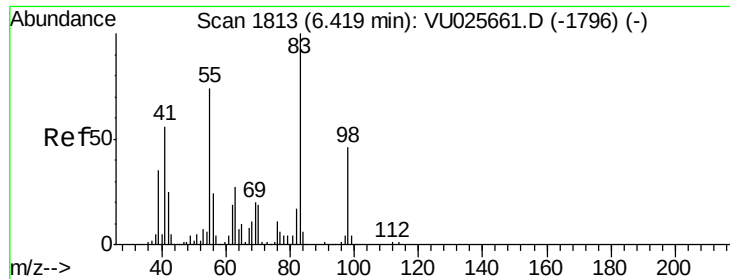
Tot Ion: 43 Resp: 151309
Ion Ratio Lower Upper
43 100
61 14.0 10.7 16.1
70 10.9 8.4 12.6



#38
Carbon Tetrachloride
Concen: 47.31 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU025711.D
Acq: 28 Jul 2018 08:28

Tgt Ion: 117 Resp: 170312
Ion Ratio Lower Upper
117 100
119 96.4 75.7 113.5
121 30.9 24.6 36.8

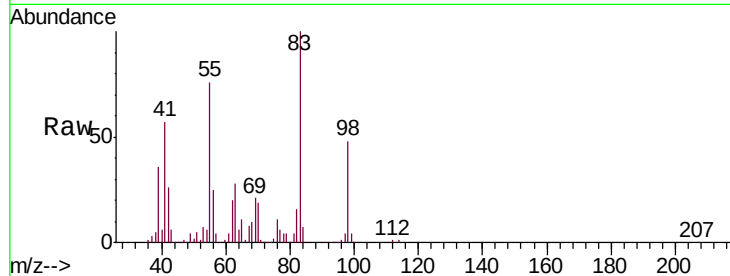




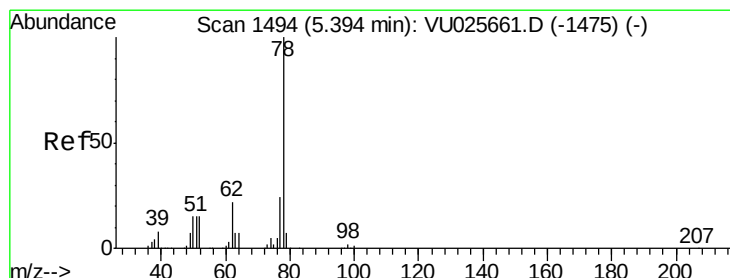
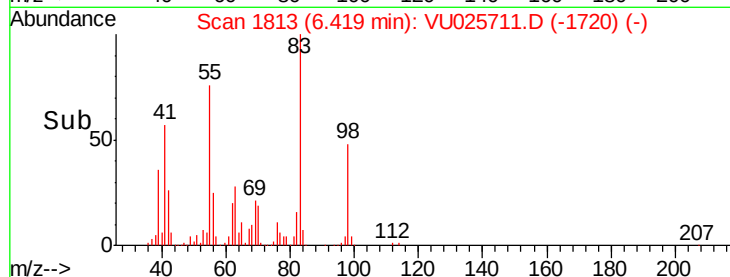
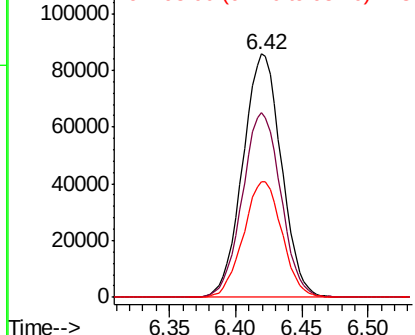
#39
Methylvlcyclohexane
Concen: 47.50 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025711.D
Acq: 28 Jul 2018 08:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 172987
Ion Ratio Lower Upper
83 100
55 75.9 60.0 90.0
98 47.7 36.1 54.1

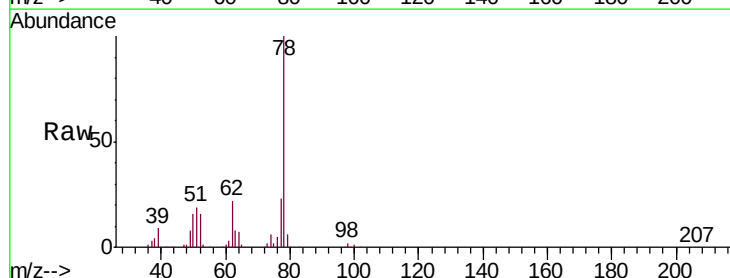


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

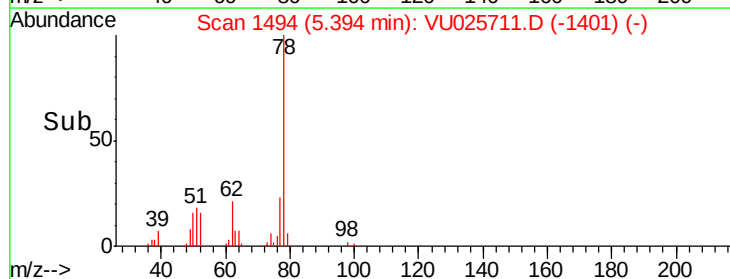
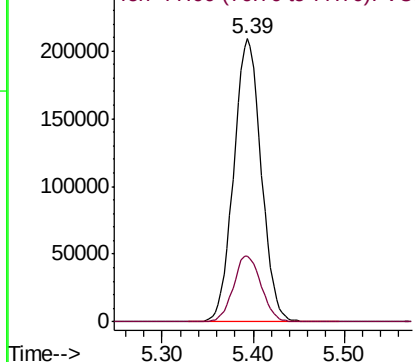


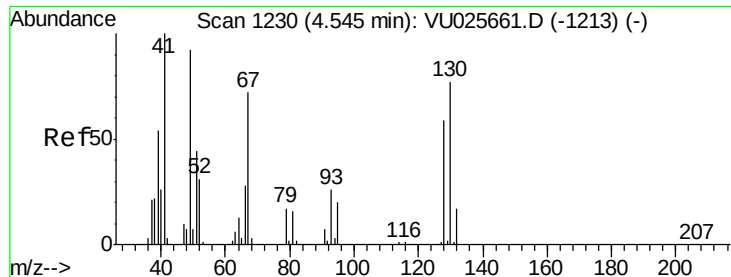
#40
Benzene
Concen: 47.18 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025711.D
Acq: 28 Jul 2018 08:28

Tgt Ion: 78 Resp: 438290
Ion Ratio Lower Upper
78 100
77 23.2 19.8 29.6



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

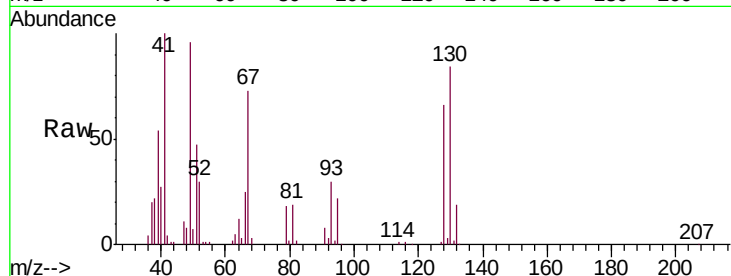




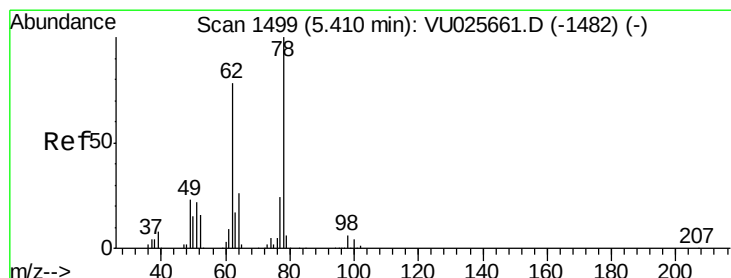
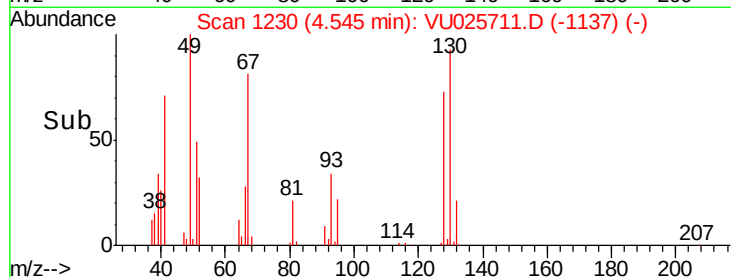
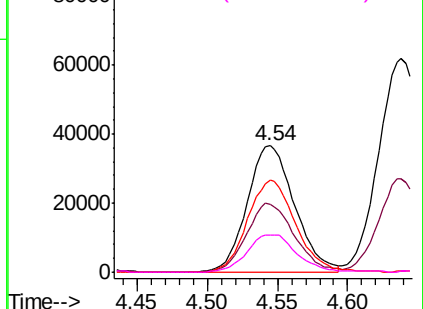
#41
Methacrylonitrile
Concen: 47.03 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025711.D
Acq: 28 Jul 2018 08:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	86088
Ion	Ratio	Lower	Upper
41	100		
39	55.3	44.4	66.6
67	73.9	56.0	84.0
52	31.2	24.6	36.8

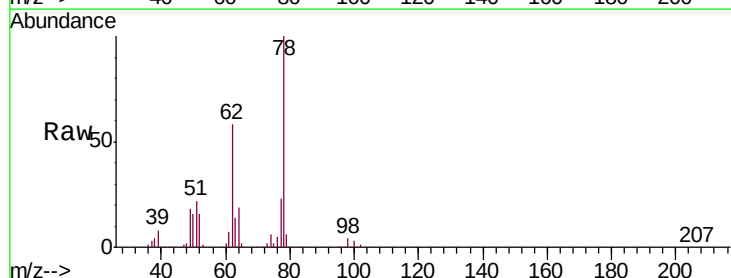


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

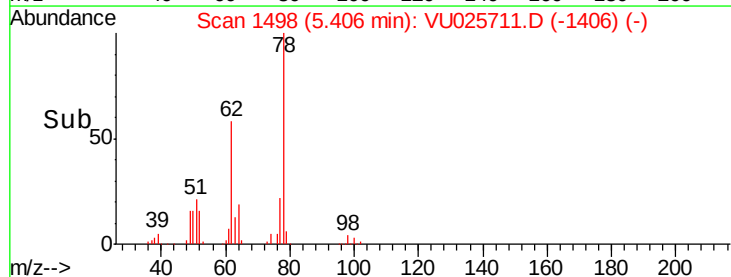
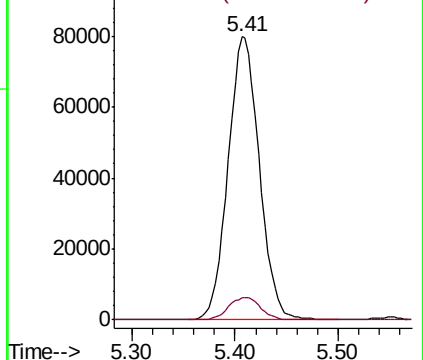


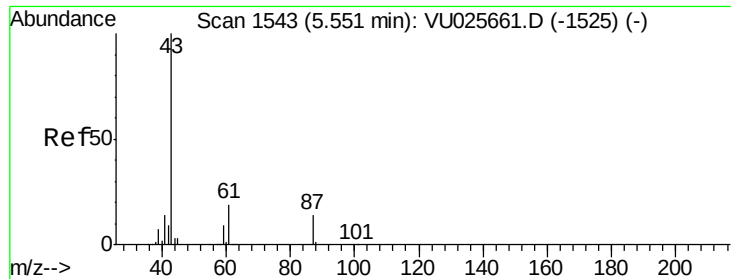
#42
1,2-Dichloroethane
Concen: 47.11 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025711.D
Acq: 28 Jul 2018 08:28

Tgt Ion:	62	Resp:	168532
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.4



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 47.52 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

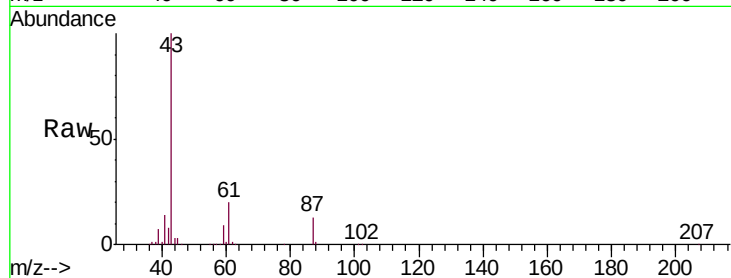
Tot Ion: 43 Resp: 258802

Ion Ratio Lower Upper

43 100

61 20.1 15.5 23.3

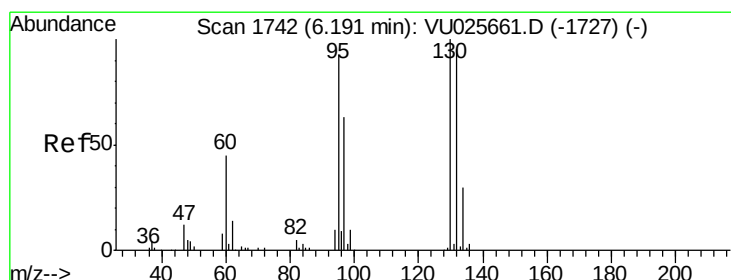
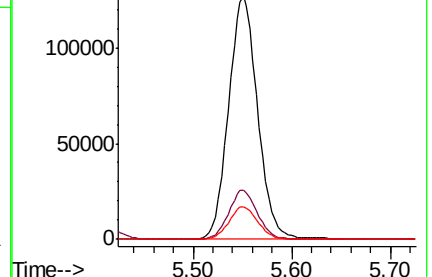
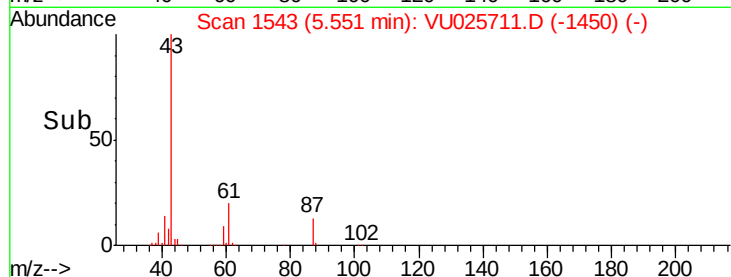
87 13.5 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VU025711.D (-1450) (-)

Ion 61.00 (60.70 to 61.70): VU025711.D (-1450) (-)

Ion 87.00 (86.70 to 87.70): VU025711.D (-1450) (-)



#44

Trichloroethene

Concen: 47.21 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025711.D

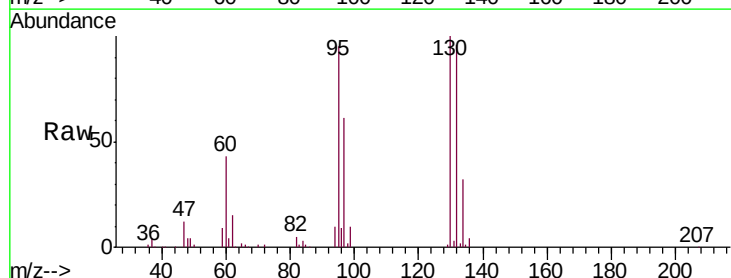
Acq: 28 Jul 2018 08:28

Tgt Ion: 130 Resp: 122140

Ion Ratio Lower Upper

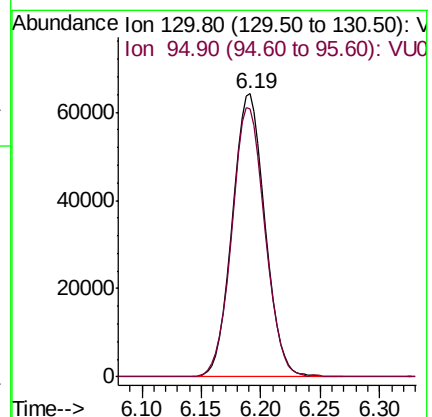
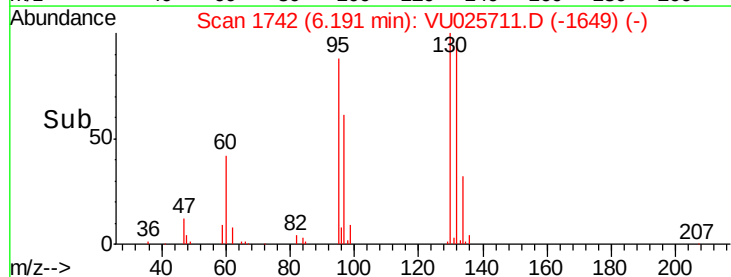
130 100

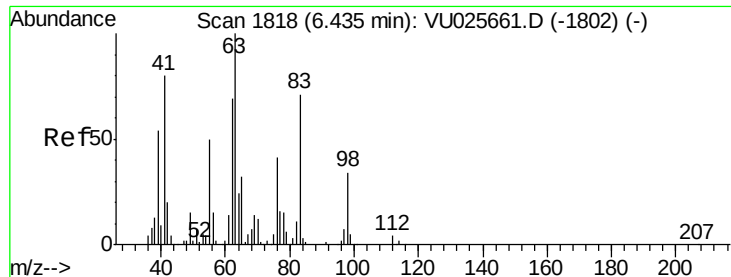
95 94.6 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): VU025711.D (-1649) (-)

Ion 94.90 (94.60 to 95.60): VU025711.D (-1649) (-)

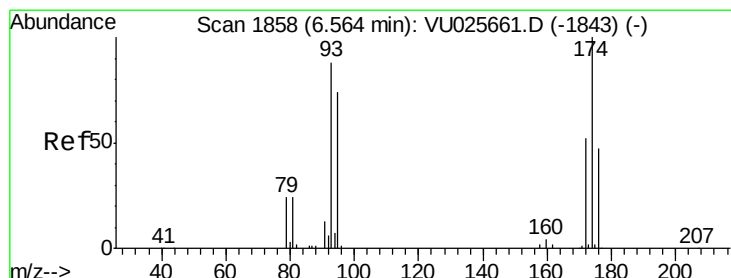
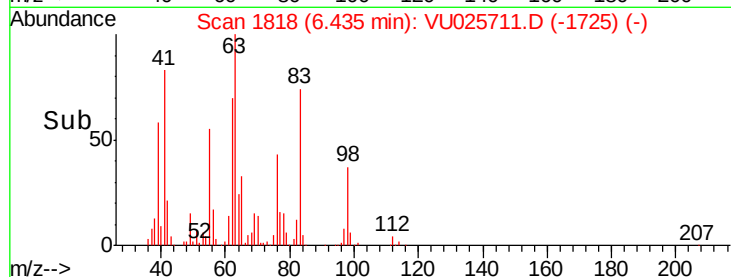
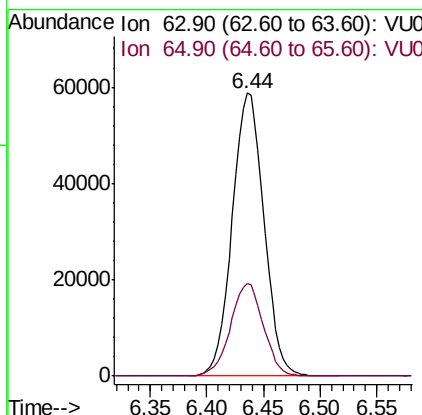
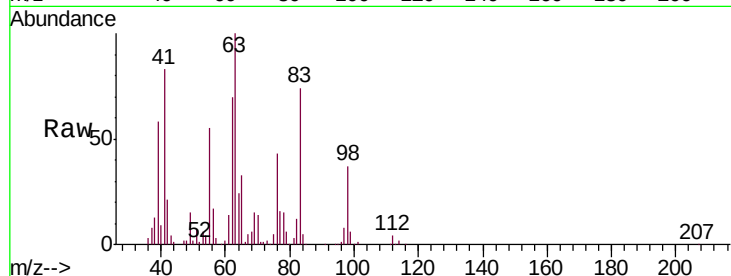




#45
 1,2-Dichloropropane
 Concen: 47.42 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025711.D
 Acq: 28 Jul 2018 08:28

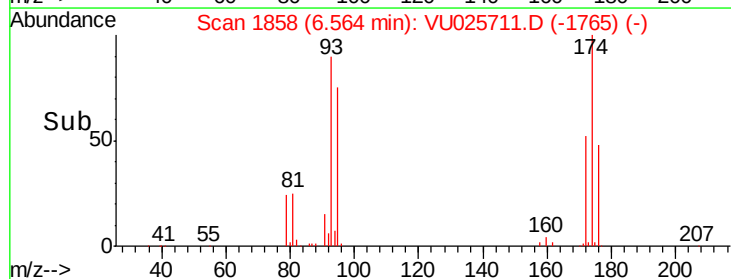
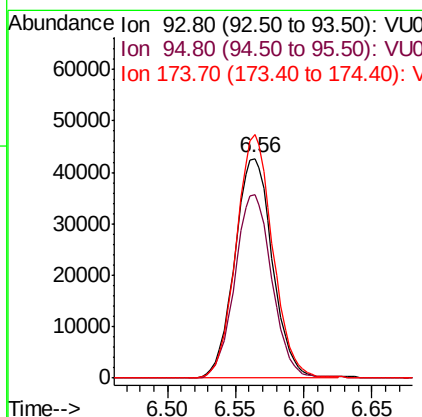
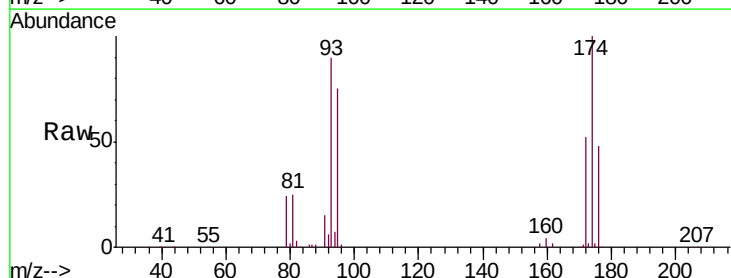
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

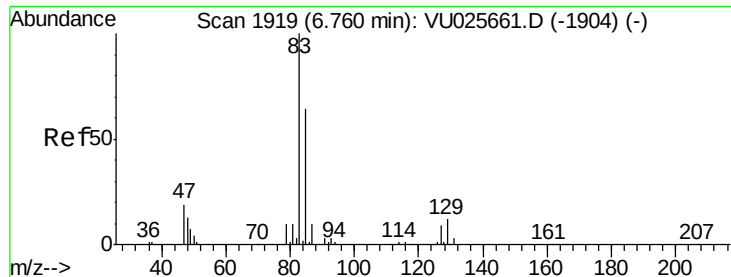
Tot Ion: 63 Resp: 114889
 Ion Ratio Lower Upper
 63 100
 65 32.5 26.1 39.1



#46
 Dibromomethane
 Concen: 46.77 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025711.D
 Acq: 28 Jul 2018 08:28

Tgt Ion: 93 Resp: 82113
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.6 100.0
 174 107.3 85.8 128.8





#47

Bromodichloromethane

Concen: 47.39 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

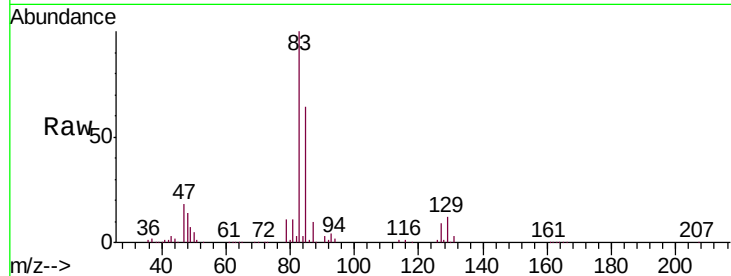
Tot Ion: 83 Resp: 158698

Ion Ratio Lower Upper

83 100

85 64.2 50.2 75.4

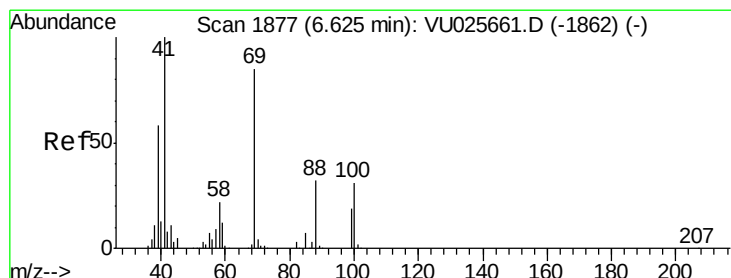
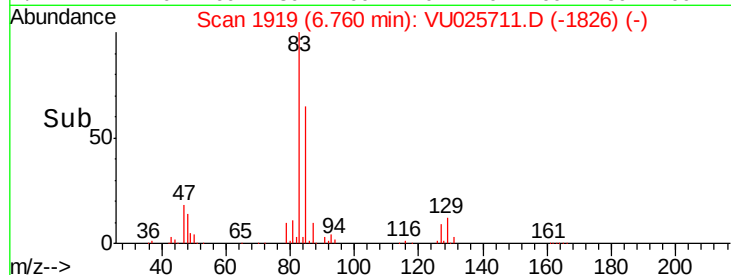
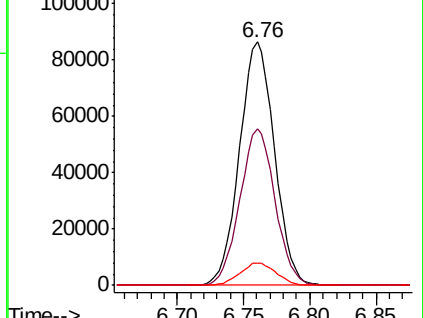
127 9.3 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU025711.D (-1826) (-)

Ion 84.90 (84.60 to 85.60): VU025711.D (-1826) (-)

Ion 126.80 (126.50 to 127.50): VU025711.D (-1826) (-)



#48

Methyl methacrylate

Concen: 48.88 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

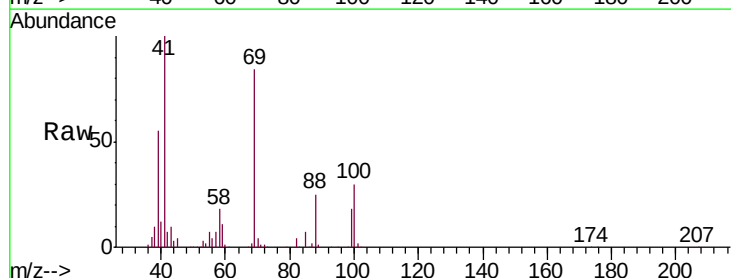
Tgt Ion: 41 Resp: 130461

Ion Ratio Lower Upper

41 100

69 84.3 65.0 97.4

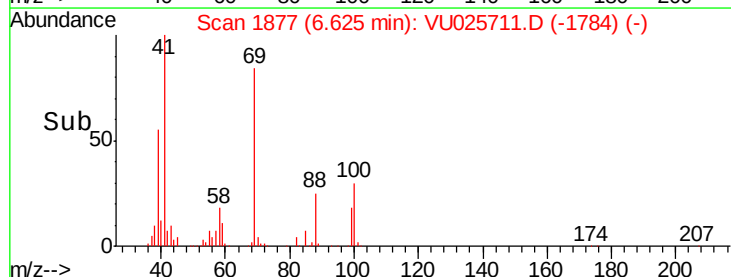
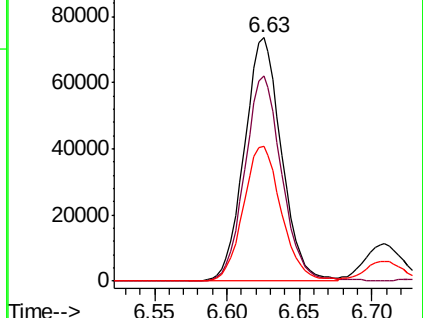
39 56.3 46.4 69.6

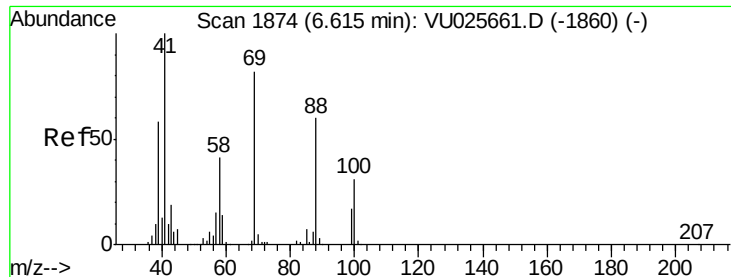


Abundance Ion 41.00 (40.70 to 41.70): VU025711.D (-1784) (-)

Ion 69.00 (68.70 to 69.70): VU025711.D (-1784) (-)

Ion 39.00 (38.70 to 39.70): VU025711.D (-1784) (-)

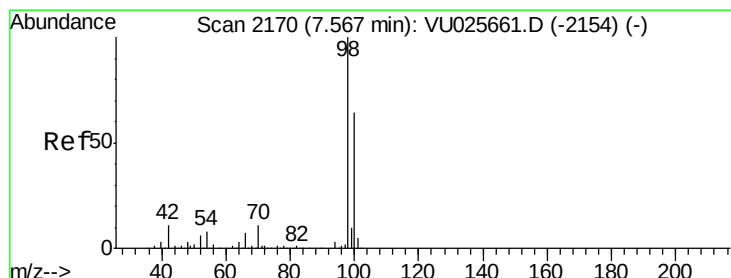
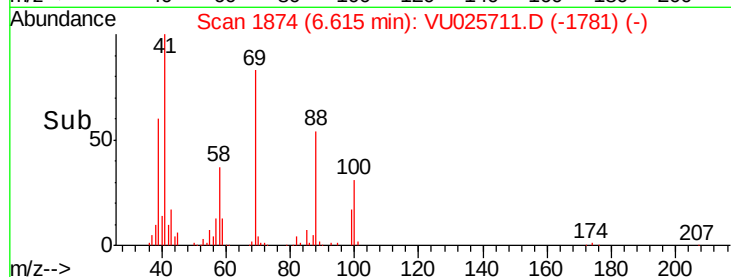
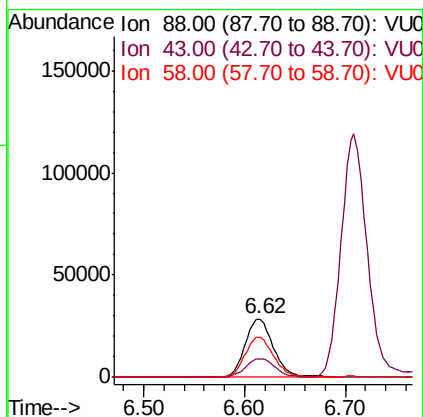
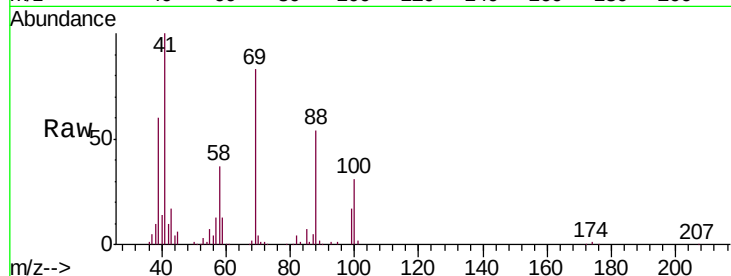




#49
 1,4-Dioxane
 Concen: 858.97 ug/l
 RT: 6.62 min Scan# 1874
 Delta R.T. 0.00 min
 Lab File: VU025711.D
 Acq: 28 Jul 2018 08:28

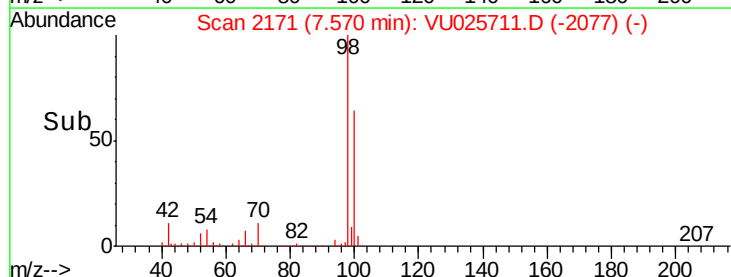
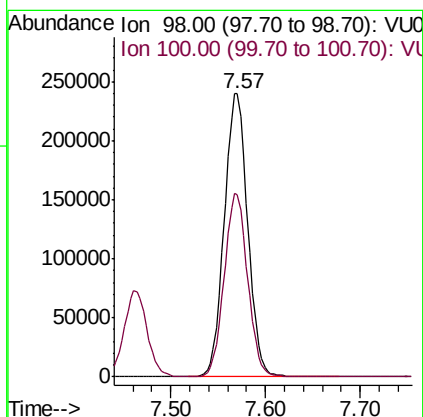
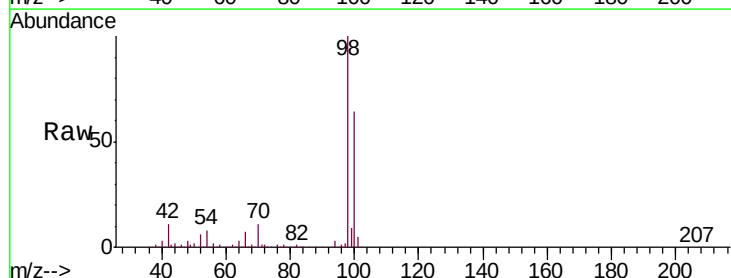
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

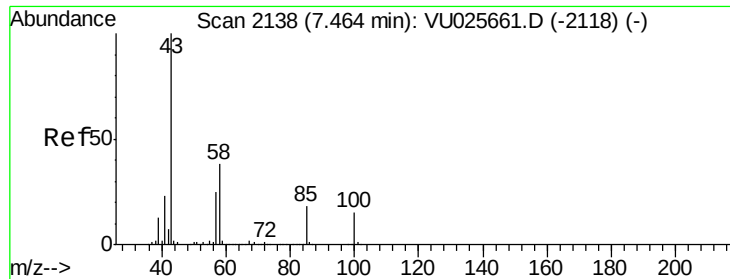
Tot Ion: 88 Resp: 55789
 Ion Ratio Lower Upper
 88 100
 43 32.7 27.3 40.9
 58 69.5 57.6 86.4



#50
 Toluene-d8
 Concen: 49.92 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VU025711.D
 Acq: 28 Jul 2018 08:28

Tgt Ion: 98 Resp: 413192
 Ion Ratio Lower Upper
 98 100
 100 64.8 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 234.69 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

Instrument :

MSVOA_U

ClientSampleId :

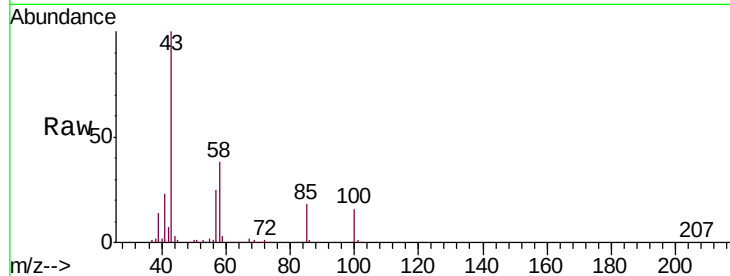
VSTDCCC050EC

Tot Ion: 43 Resp: 800136

Ion Ratio Lower Upper

43 100

58 38.7 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-2118) (-)

Ion 58.00 (57.70 to 58.70): VU025661.D (-2118) (-)

7.46

500000

400000

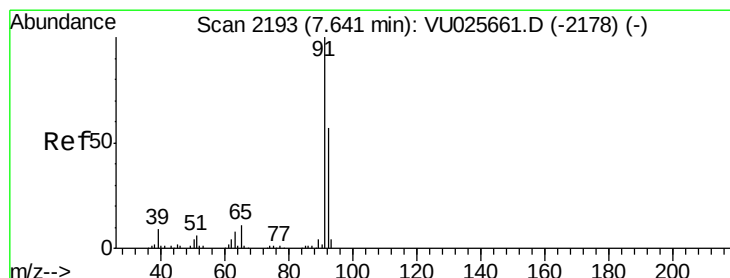
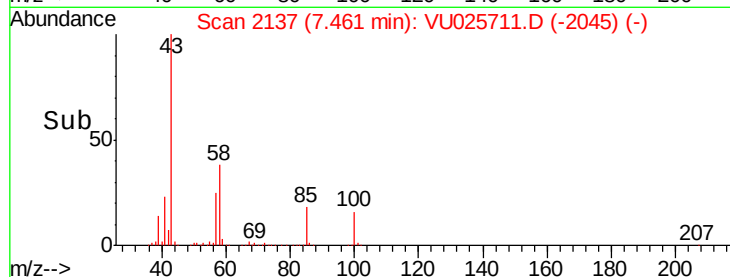
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.65 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025711.D

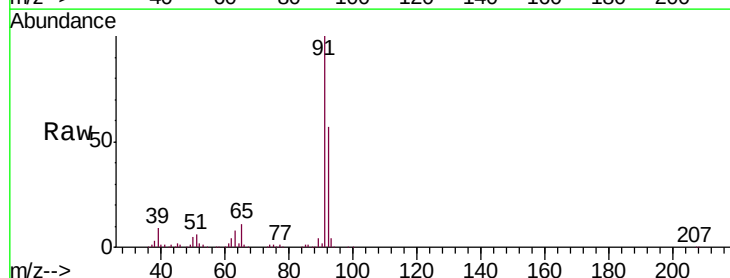
Acq: 28 Jul 2018 08:28

Tgt Ion: 92 Resp: 280772

Ion Ratio Lower Upper

92 100

91 174.3 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU025661.D (-2178) (-)

Ion 91.00 (90.70 to 91.70): VU025661.D (-2178) (-)

7.64

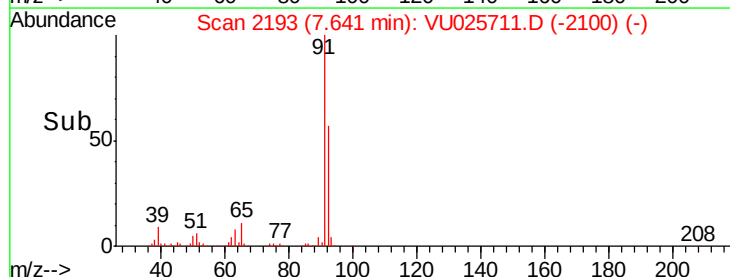
300000

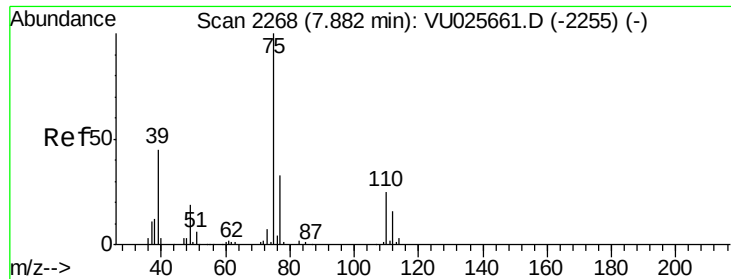
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 44.06 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

Instrument :

MSVOA_U

ClientSampleId :

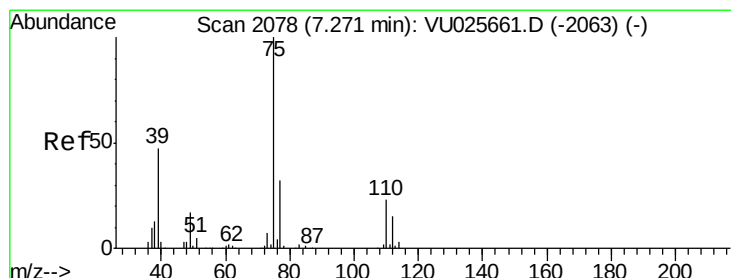
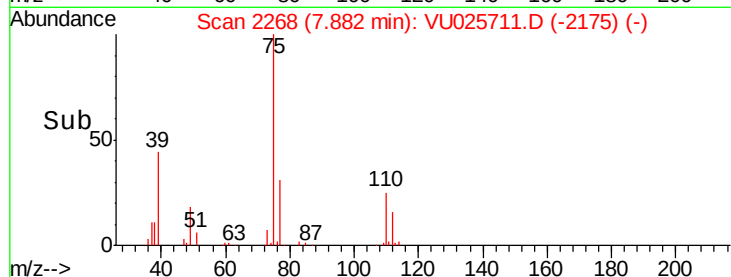
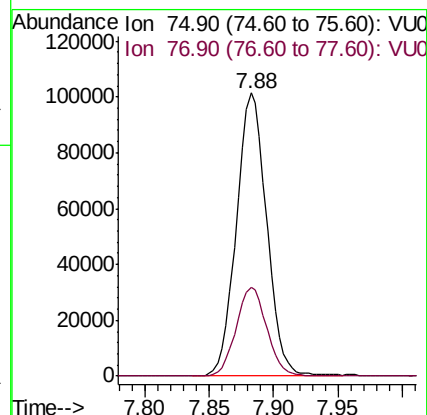
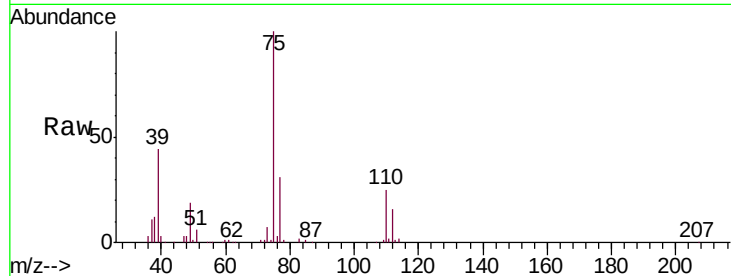
VSTDCCC050EC

Tot Ion: 75 Resp: 165654

Ion Ratio Lower Upper

75 100

77 31.2 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 44.56 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

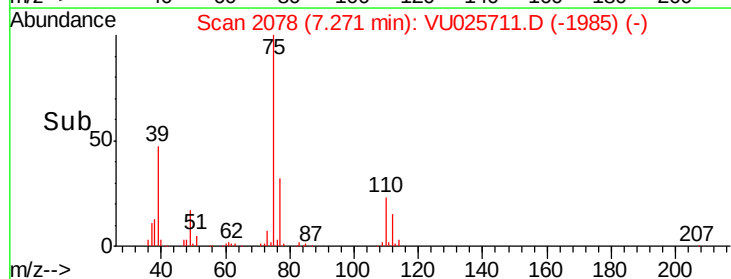
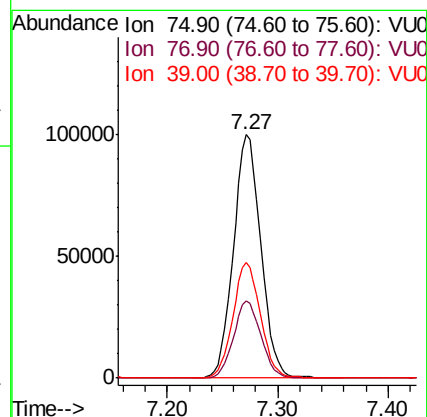
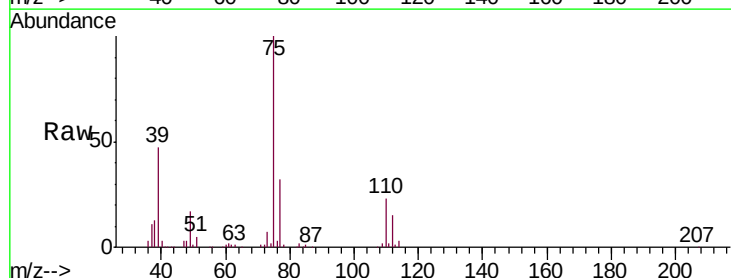
Tgt Ion: 75 Resp: 172097

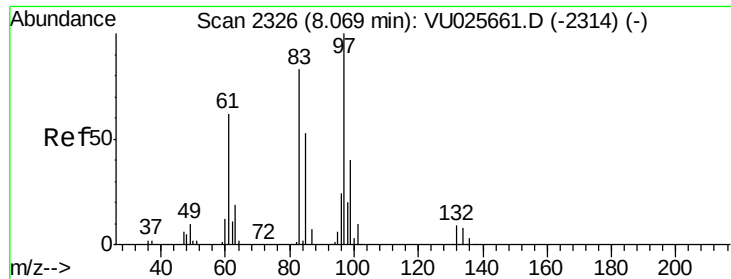
Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4

39 47.3 40.0 60.0

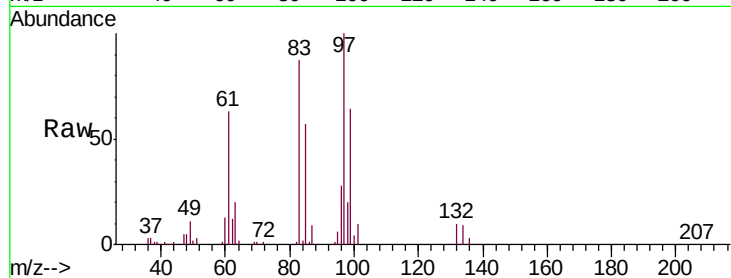




#55
 1,1,2-Trichloroethane
 Concen: 47.47 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025711.D
 Acq: 28 Jul 2018 08:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	113846
Ion	Ratio	Lower	Upper
97	100		
83	87.0	68.9	103.3
85	56.7	44.4	66.6
99	63.8	51.0	76.4



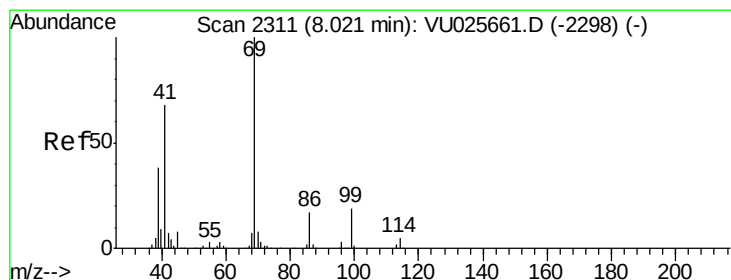
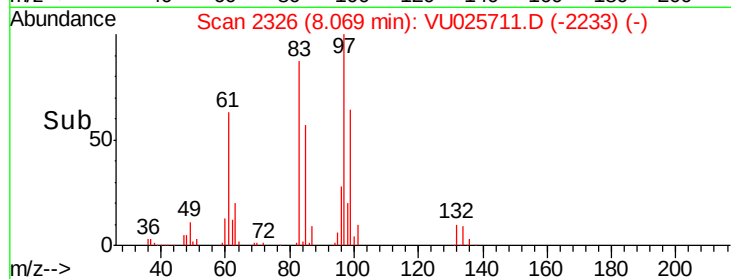
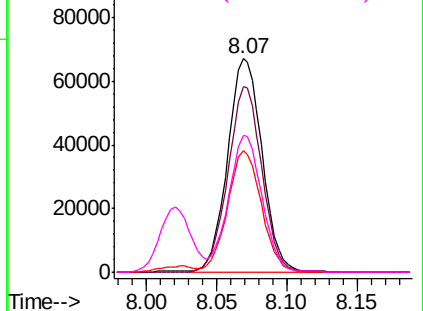
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

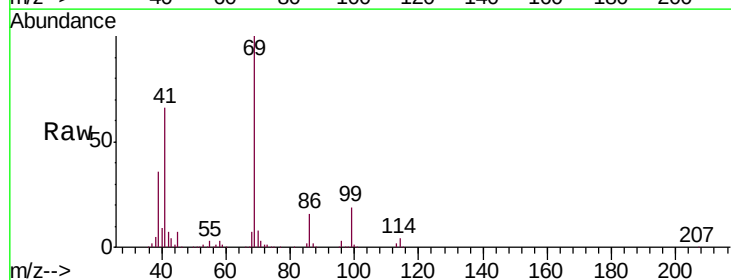
Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56
 Ethyl methacrylate
 Concen: 49.75 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025711.D
 Acq: 28 Jul 2018 08:28

Tgt Ion	69	Resp	170481
Ion	Ratio	Lower	Upper
69	100		
41	66.2	54.8	82.2
39	36.4	31.1	46.7

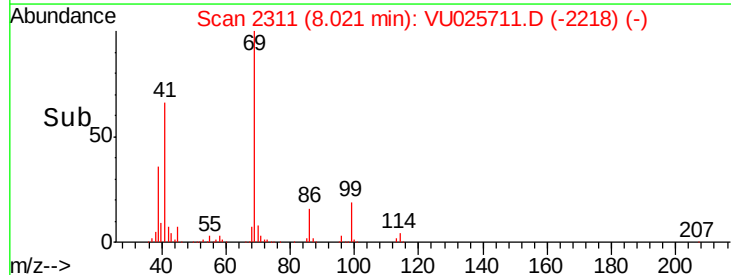
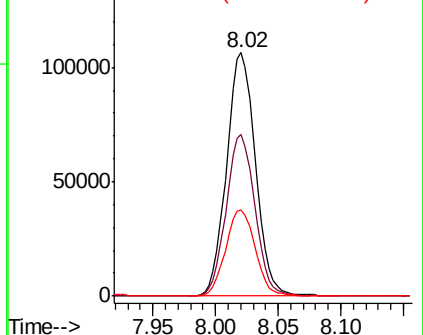


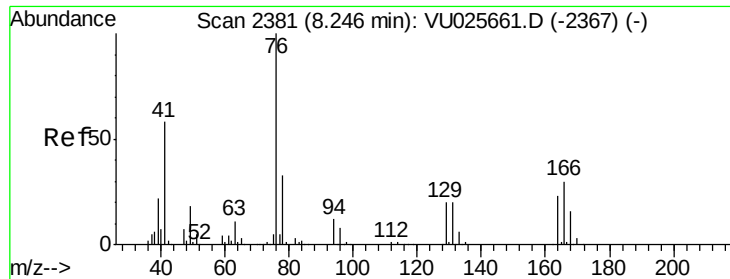
Abundance

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: 48.19 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. -0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

Instrument :

MSVOA_U

ClientSampleId :

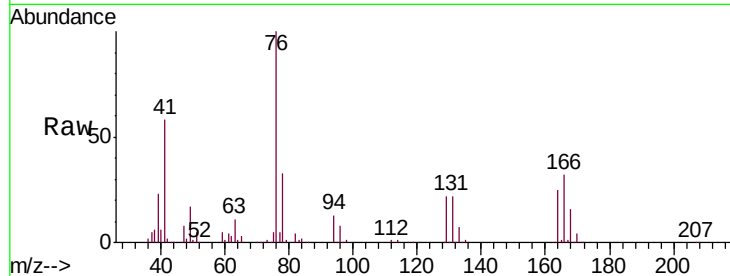
VSTDCCC050EC

Tot Ion: 76 Resp: 194394

Ion Ratio Lower Upper

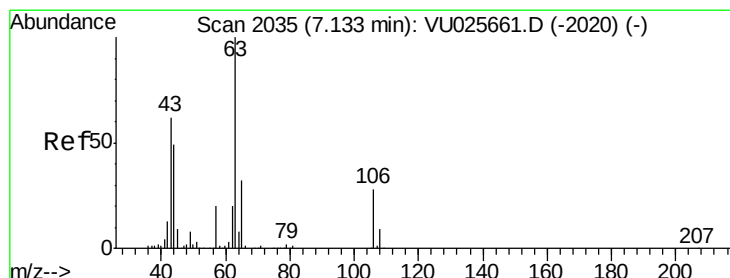
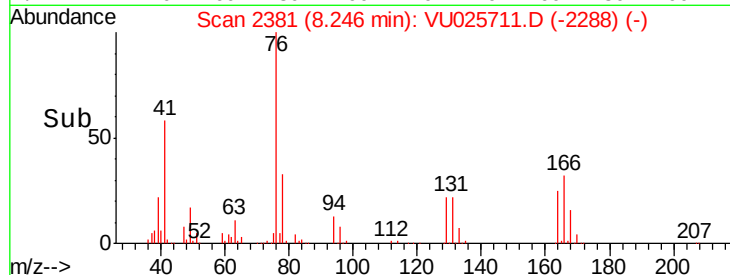
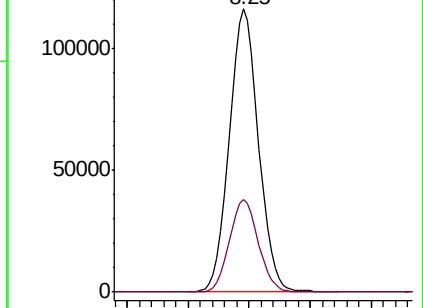
76 100

78 32.3 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 220.00 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU025711.D

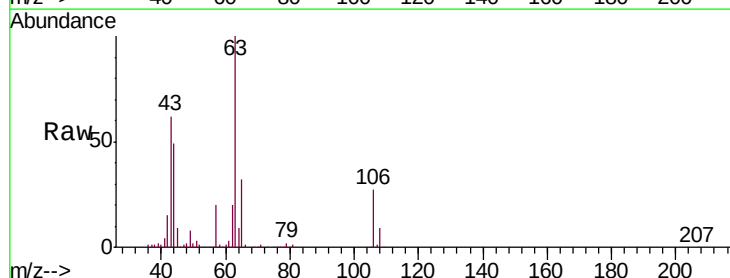
Acq: 28 Jul 2018 08:28

Tgt Ion: 63 Resp: 340050

Ion Ratio Lower Upper

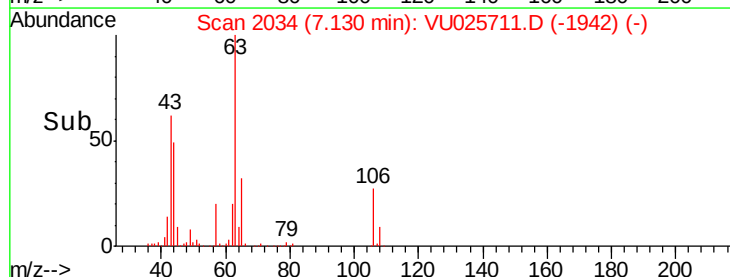
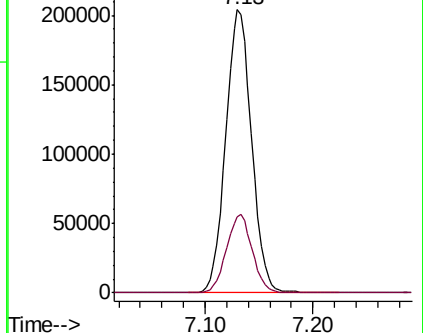
63 100

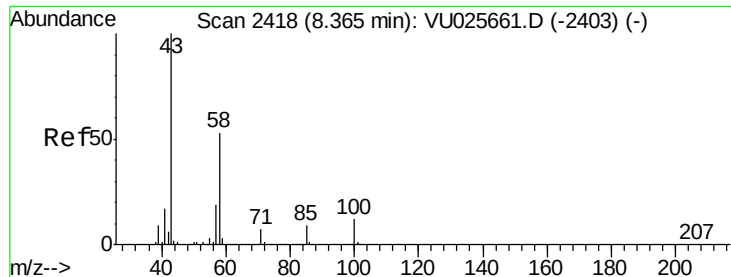
106 27.6 22.3 33.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

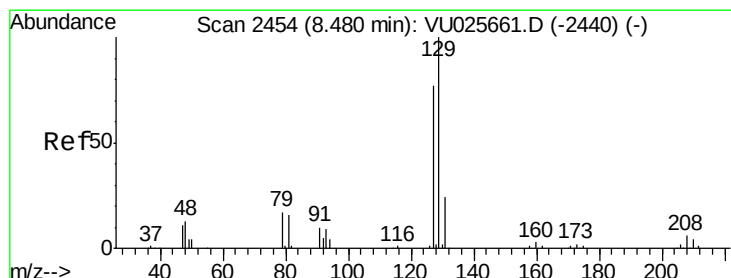
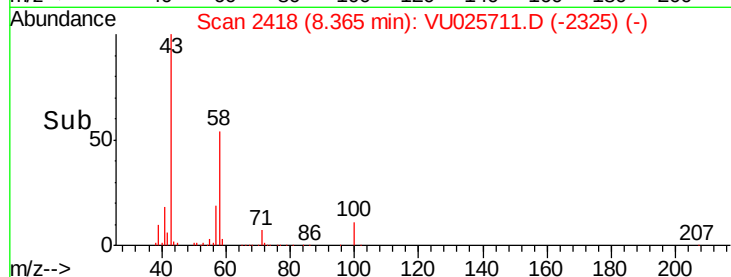
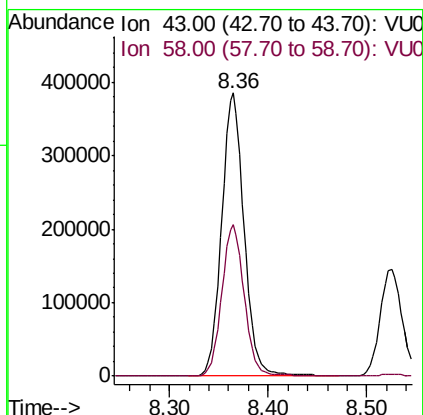
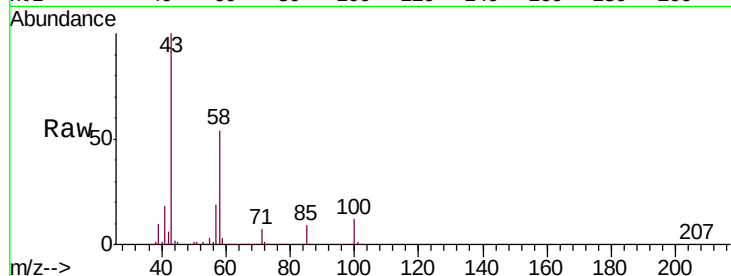




#59
2-Hexanone
Concen: 231.05 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU025711.D
Acq: 28 Jul 2018 08:28

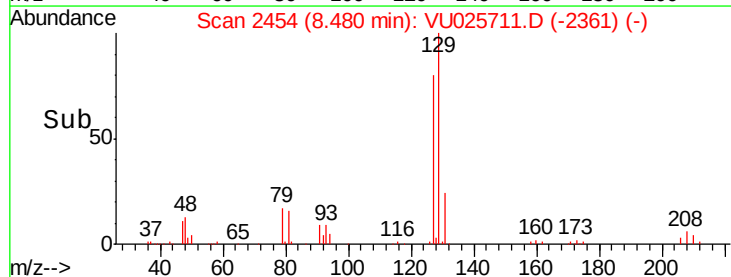
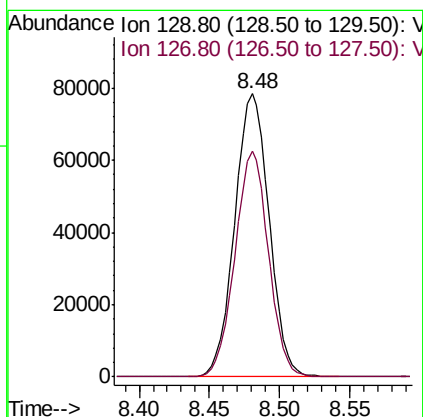
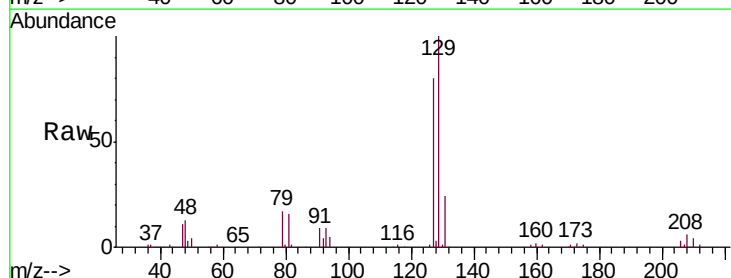
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

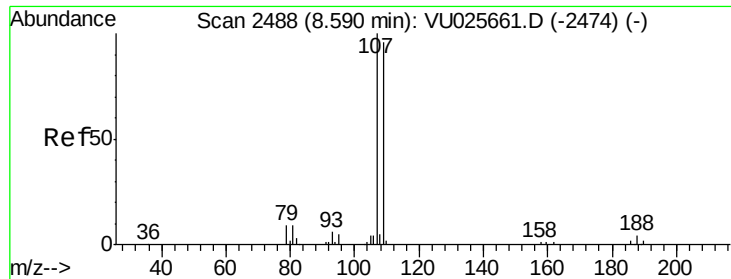
Tot Ion: 43 Resp: 617466
Ion Ratio Lower Upper
43 100
58 53.5 26.2 78.5



#60
Dibromochloromethane
Concen: 47.48 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025711.D
Acq: 28 Jul 2018 08:28

Tgt Ion: 129 Resp: 134297
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8

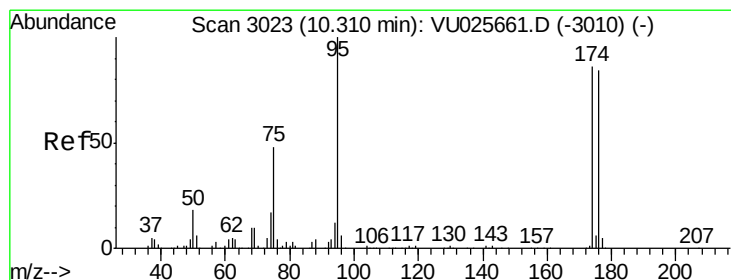
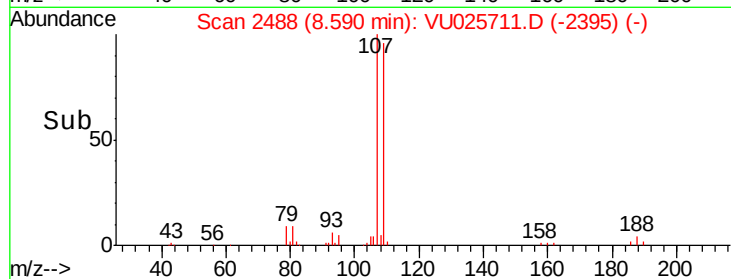
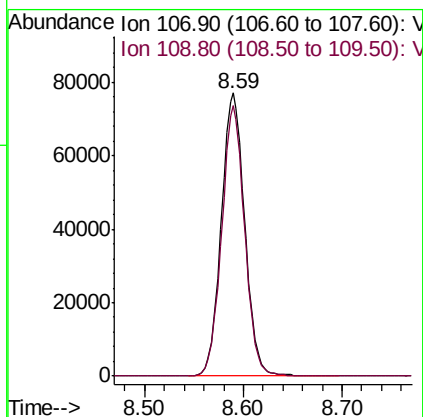
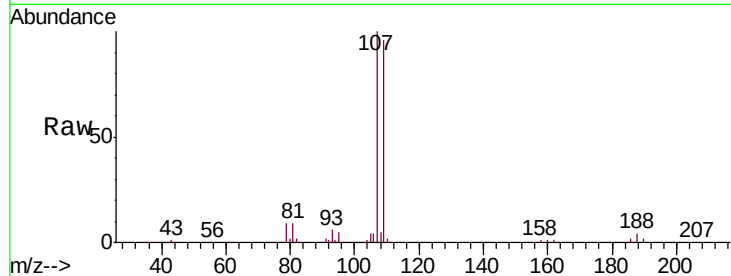




#61
 1,2-Dibromoethane
 Concen: 48.24 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025711.D
 Acq: 28 Jul 2018 08:28

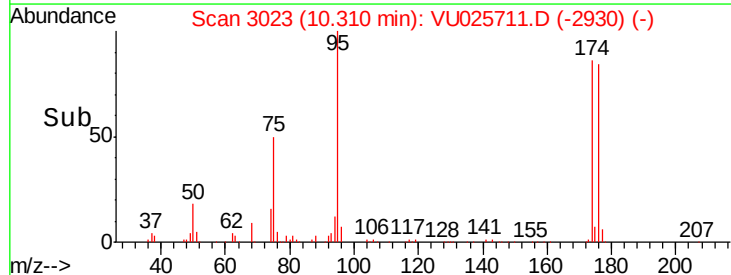
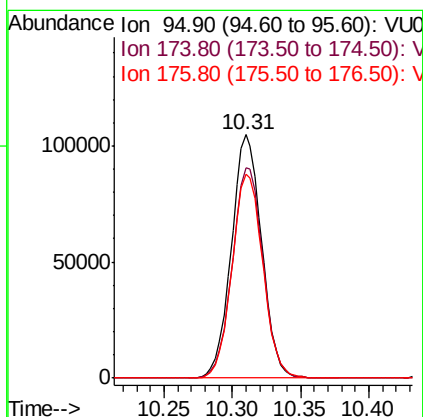
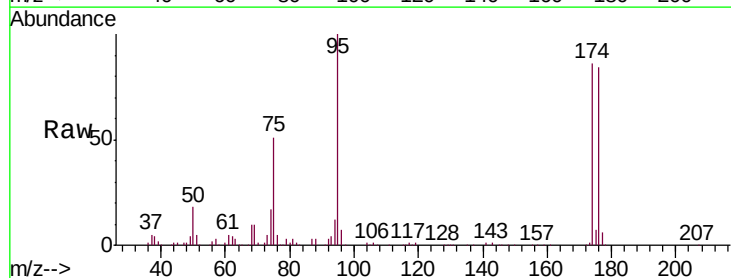
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

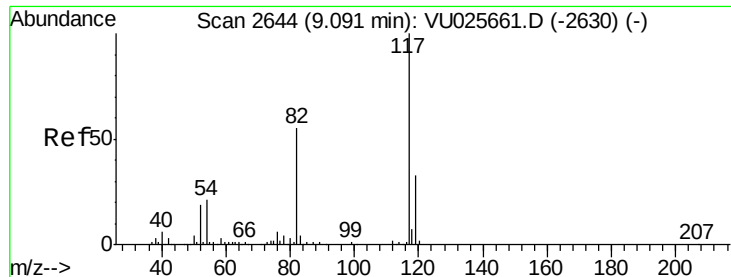
Tot Ion:107 Resp: 128688
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 50.22 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025711.D
 Acq: 28 Jul 2018 08:28

Tgt Ion: 95 Resp: 161350
 Ion Ratio Lower Upper
 95 100
 174 87.7 0.0 172.2
 176 85.4 0.0 162.6

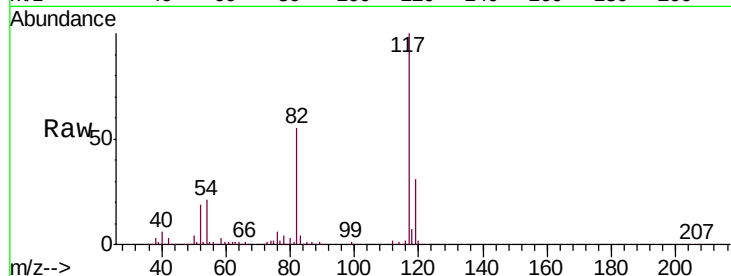




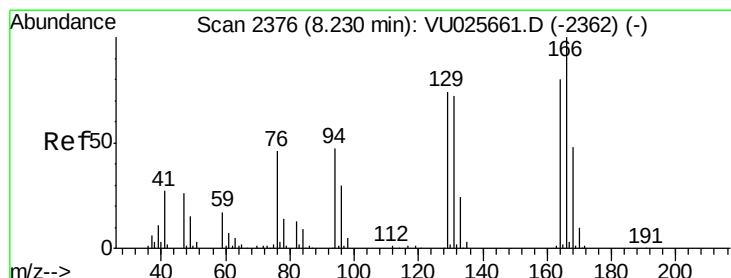
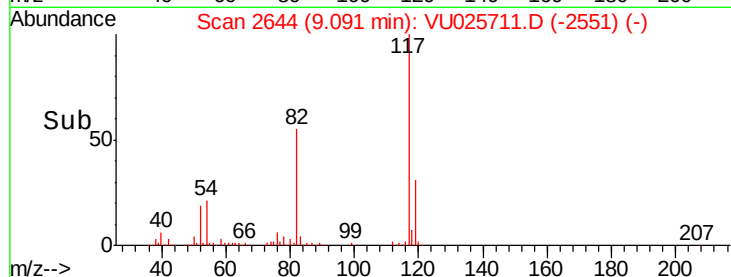
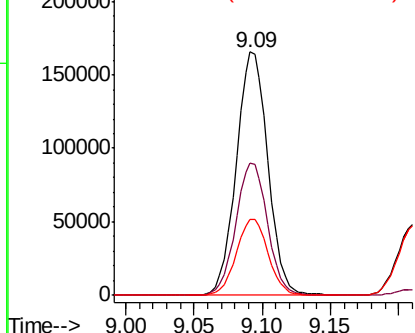
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025711.D
Acq: 28 Jul 2018 08:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 265716
Ion Ratio Lower Upper
117 100
82 54.5 46.0 69.0
119 31.0 26.0 39.0

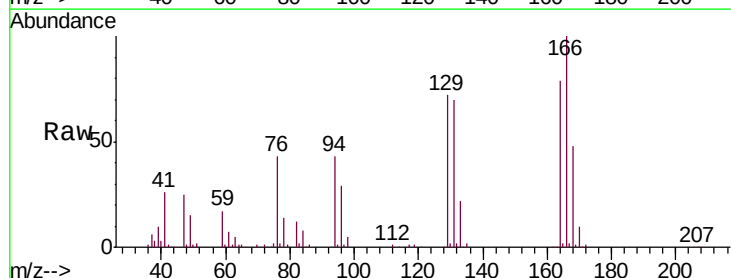


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

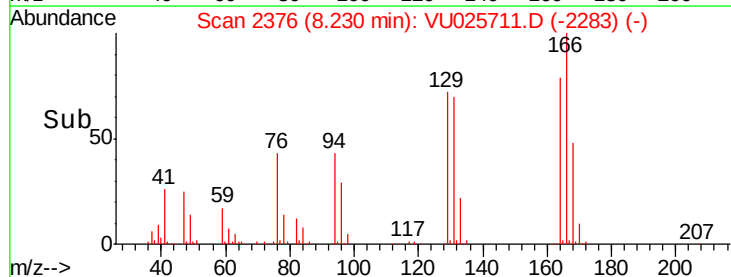
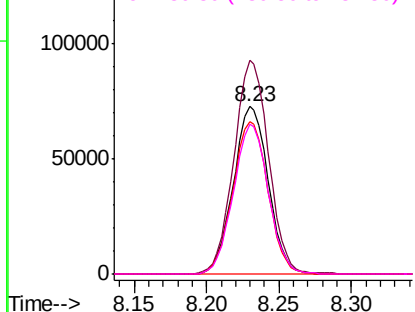


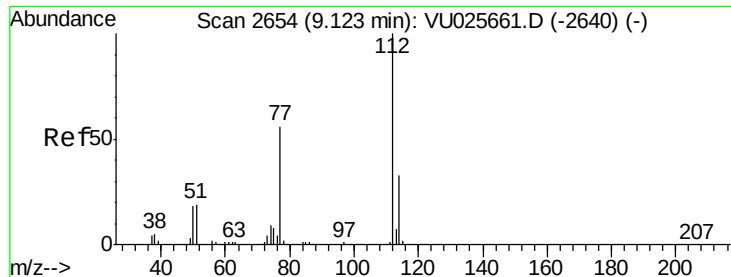
#64
Tetrachloroethene
Concen: 51.87 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025711.D
Acq: 28 Jul 2018 08:28

Tgt Ion:164 Resp: 121314
Ion Ratio Lower Upper
164 100
166 127.4 101.1 151.7
129 91.1 73.0 109.6
131 89.0 72.1 108.1



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

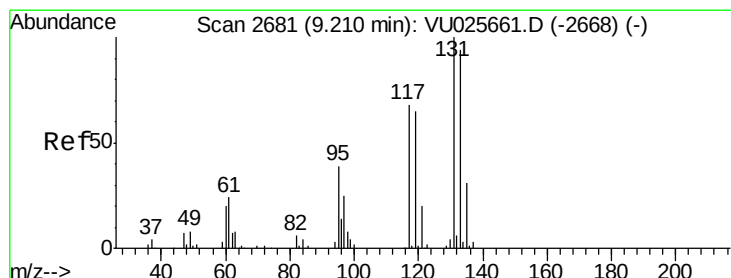
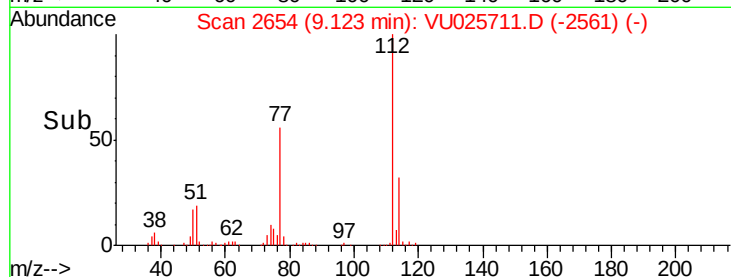
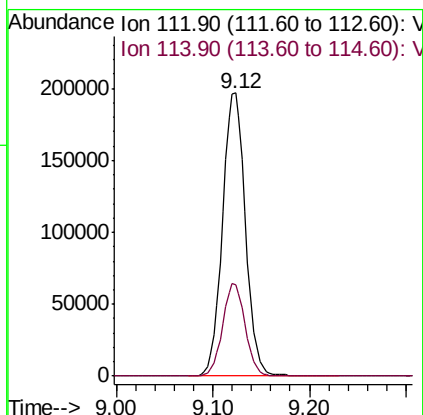
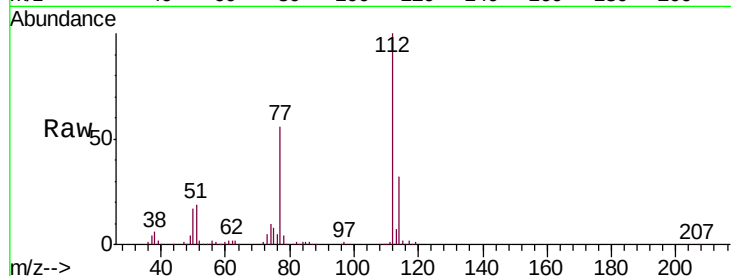




#65
Chlorobenzene
Concen: 47.19 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025711.D
Acq: 28 Jul 2018 08:28

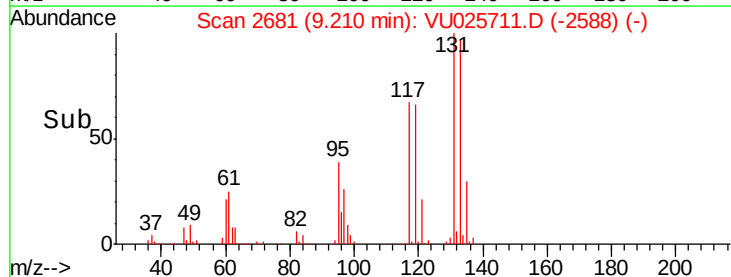
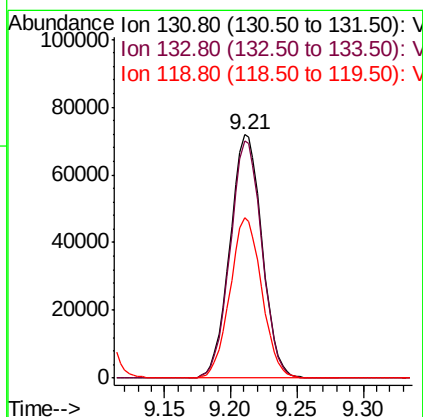
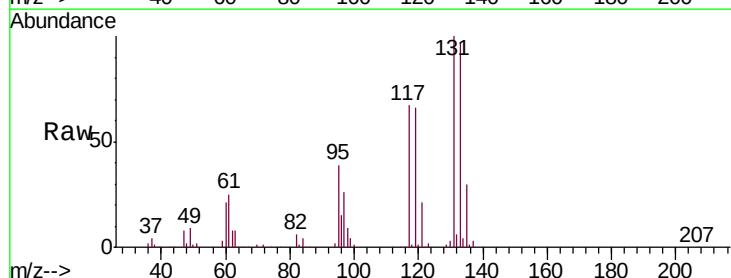
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

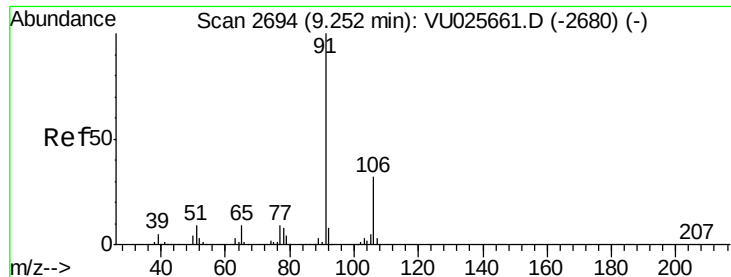
Tot Ion:112 Resp: 323278
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 48.74 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025711.D
Acq: 28 Jul 2018 08:28

Tgt Ion:131 Resp: 120782
Ion Ratio Lower Upper
131 100
133 96.5 47.8 143.3
119 65.4 31.6 95.0

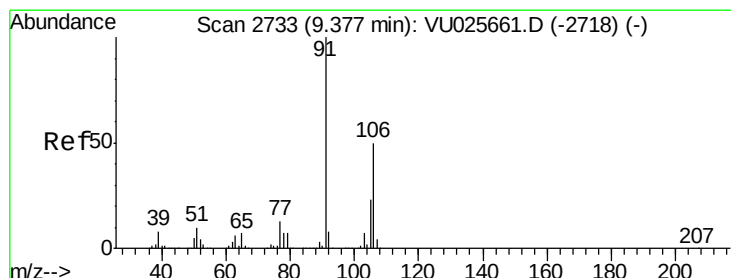
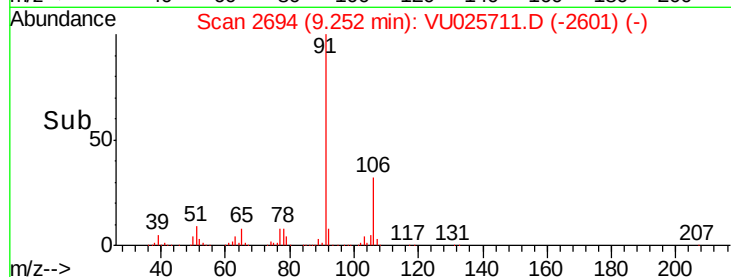
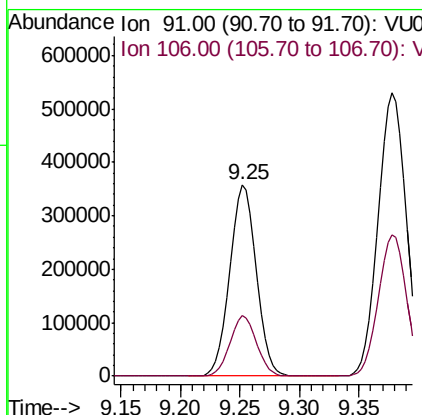
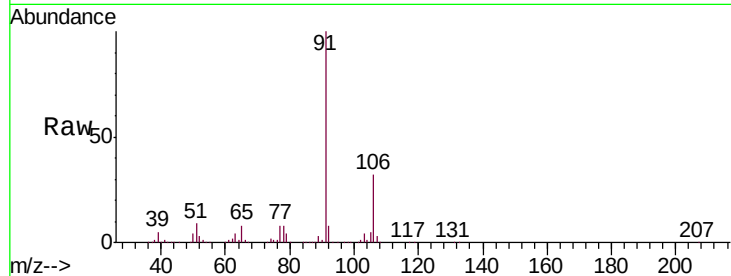




#67
Ethyl Benzene
Concen: 48.88 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025711.D
Acq: 28 Jul 2018 08:28

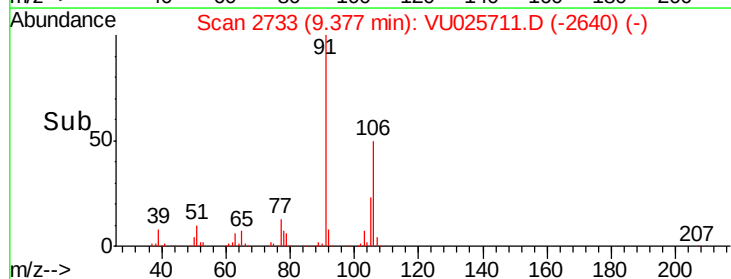
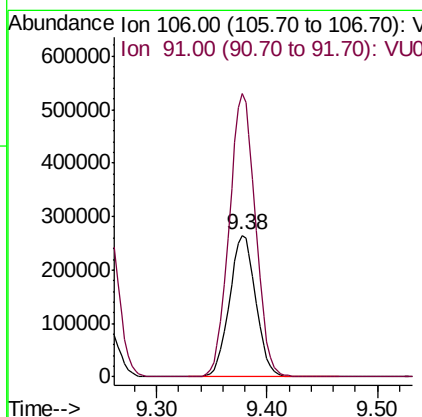
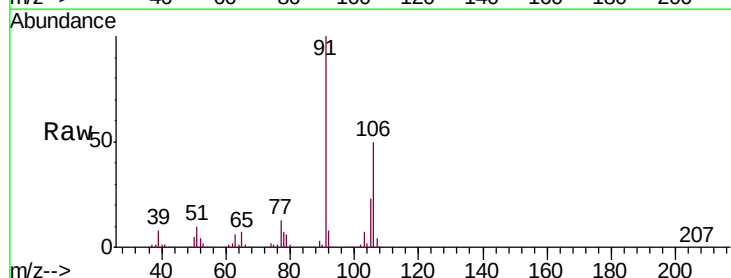
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

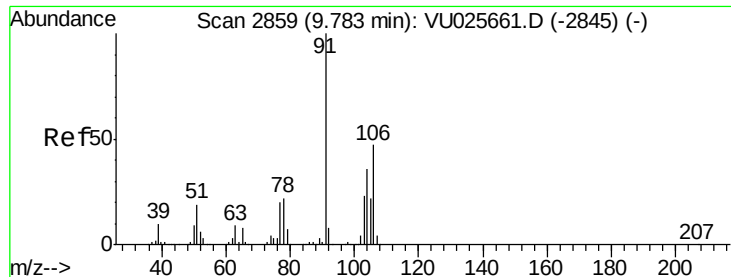
Tot Ion: 91 Resp: 554707
Ion Ratio Lower Upper
91 100
106 31.7 25.3 37.9



#68
m/p-Xylenes
Concen: 100.16 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025711.D
Acq: 28 Jul 2018 08:28

Tgt Ion: 106 Resp: 436361
Ion Ratio Lower Upper
106 100
91 200.4 162.3 243.5

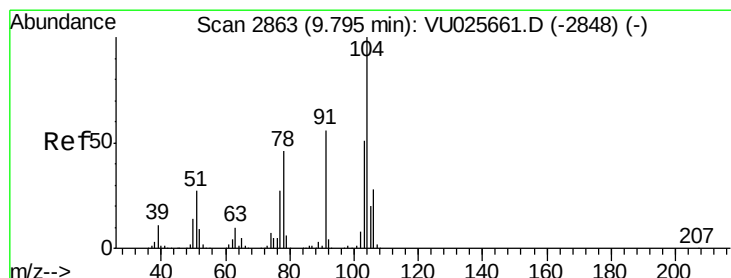
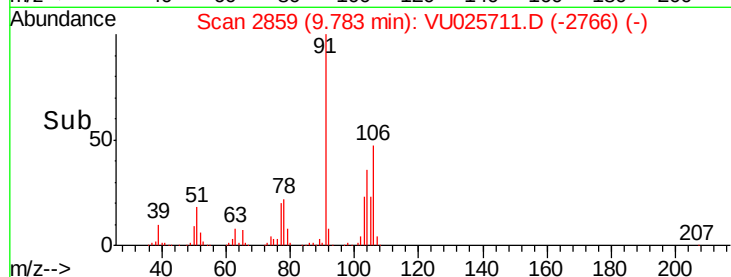
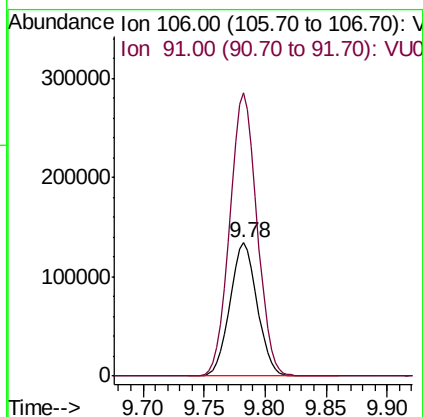
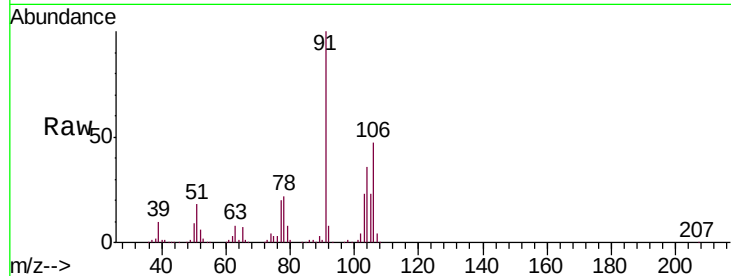




#69
o-Xylene
Concen: 49.23 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025711.D
Acq: 28 Jul 2018 08:28

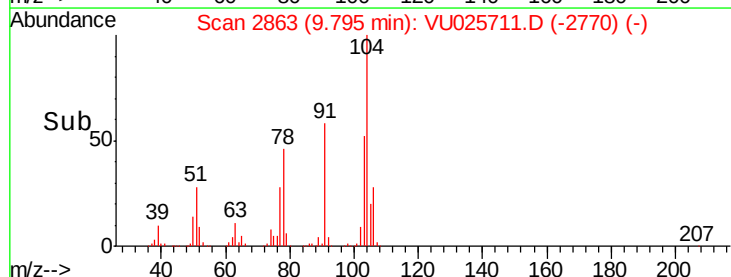
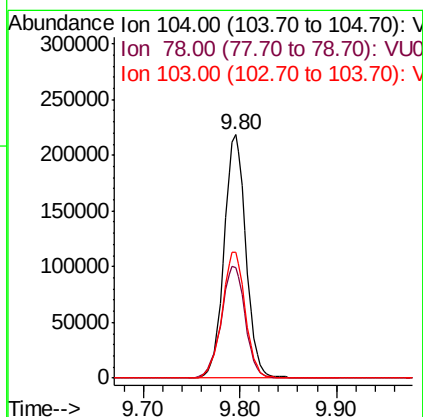
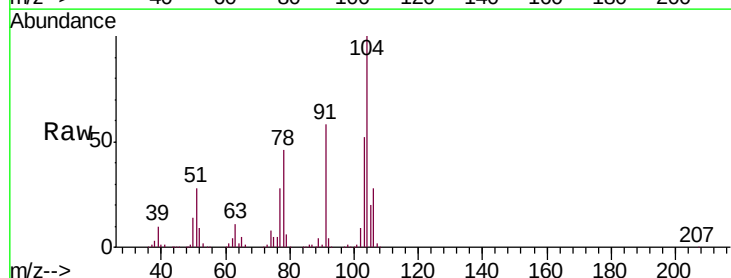
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

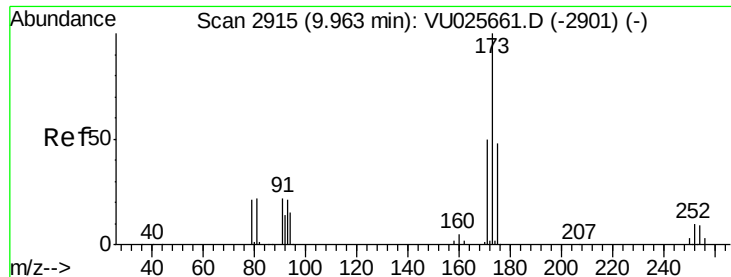
Tot Ion:106 Resp: 209624
Ion Ratio Lower Upper
106 100
91 212.4 105.3 315.8



#70
Styrene
Concen: 49.64 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025711.D
Acq: 28 Jul 2018 08:28

Tgt Ion:104 Resp: 341397
Ion Ratio Lower Upper
104 100
78 50.5 41.6 62.4
103 55.1 44.6 66.8





#71

Bromoform

Concen: 48.59 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

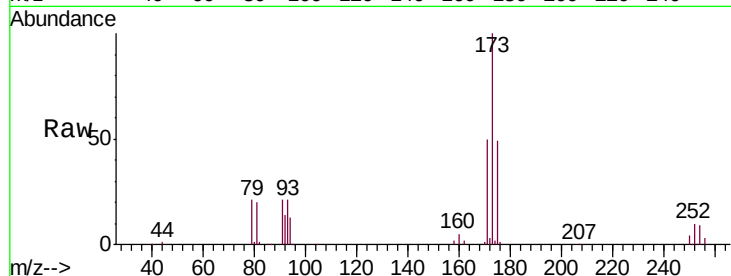
Tot Ion:173 Resp: 104426

Ion Ratio Lower Upper

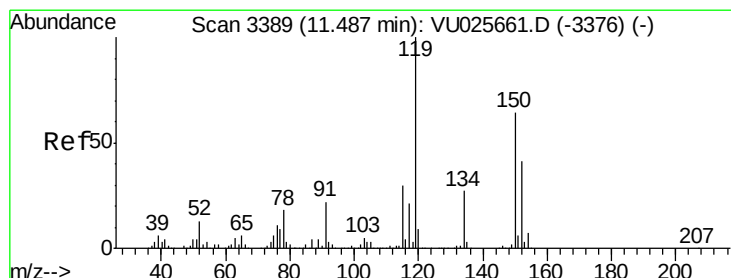
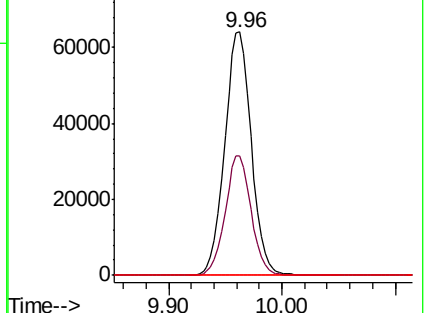
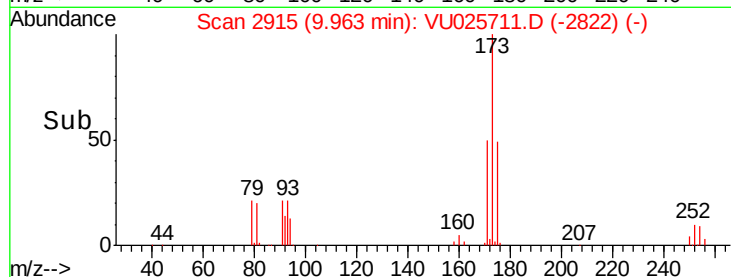
173 100

175 47.9 24.0 72.0

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: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

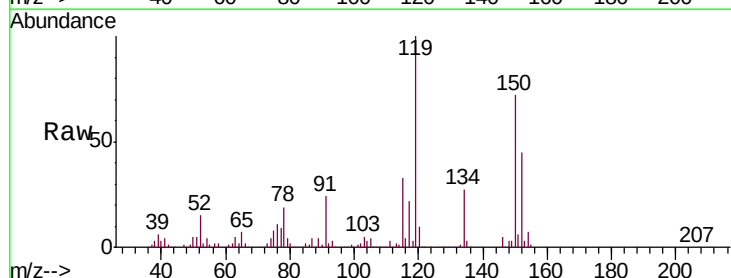
Tgt Ion:152 Resp: 168683

Ion Ratio Lower Upper

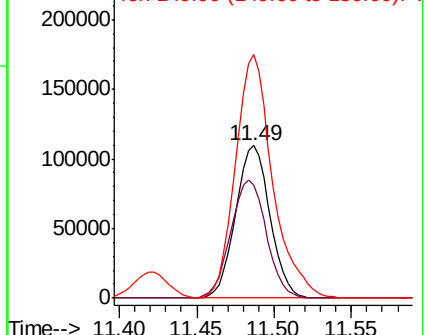
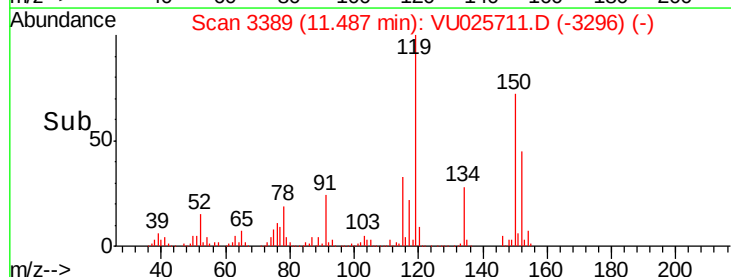
152 100

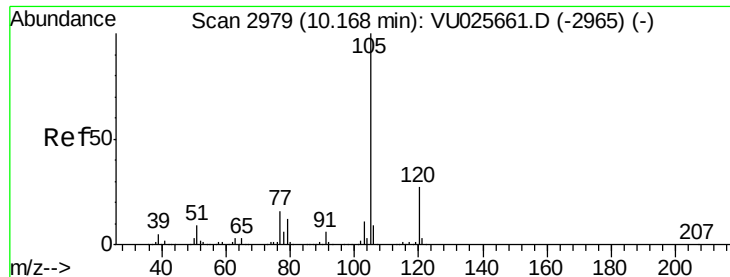
115 80.5 40.1 120.3

150 173.4 0.0 351.4



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: 49.33 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

Instrument :

MSVOA_U

ClientSampleId :

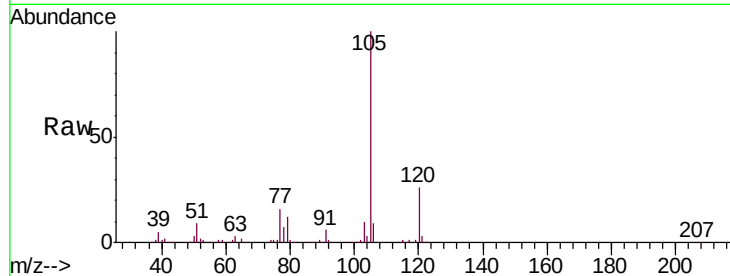
VSTDCCC050EC

Tot Ion:105 Resp: 567952

Ion Ratio Lower Upper

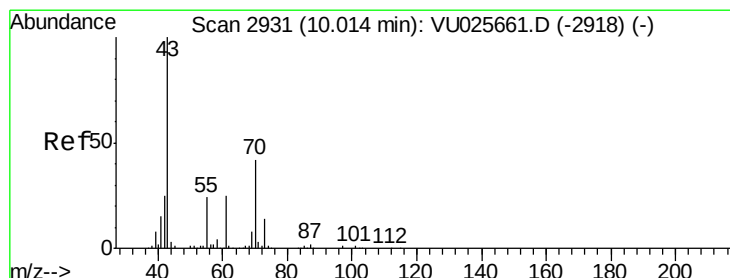
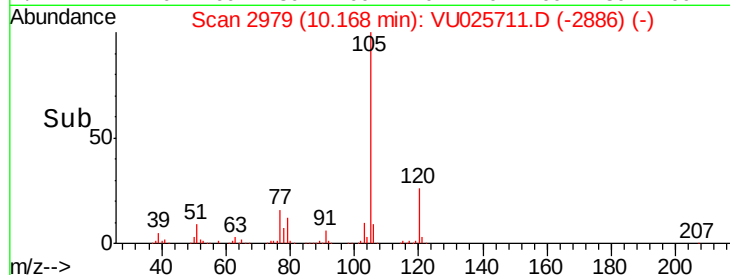
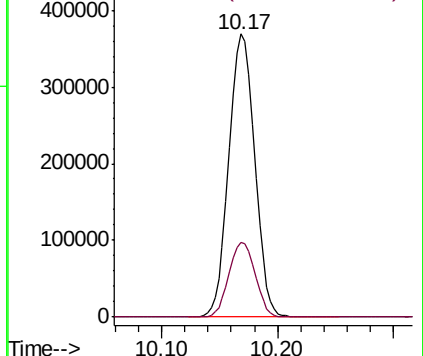
105 100

120 26.8 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.83 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

Tgt Ion: 43 Resp: 229510

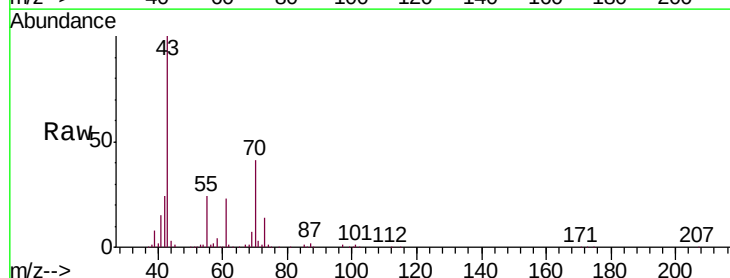
Ion Ratio Lower Upper

43 100

70 41.5 33.4 50.2

55 24.6 19.0 28.6

61 23.3 19.3 28.9

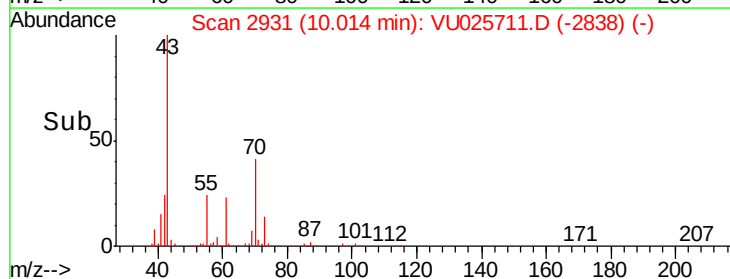
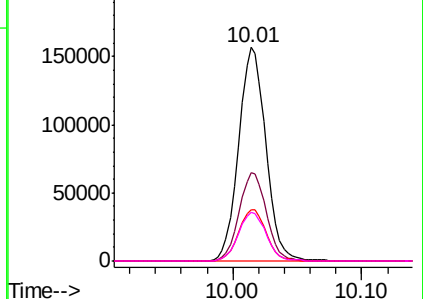


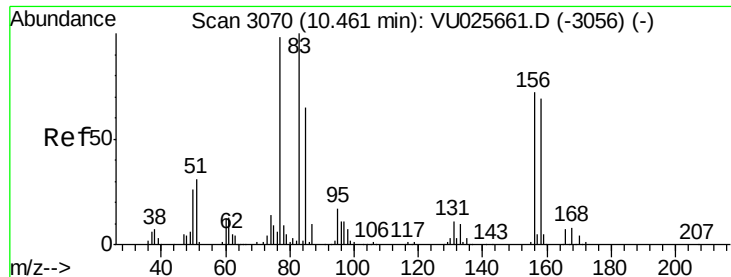
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 45.51 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

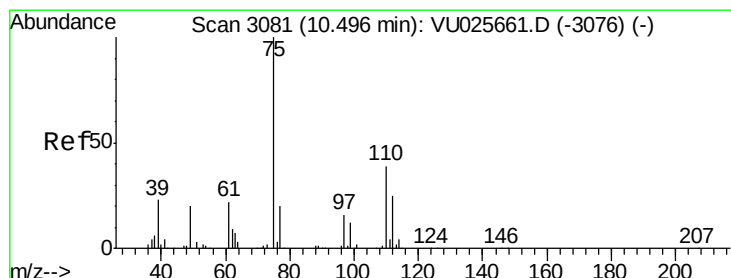
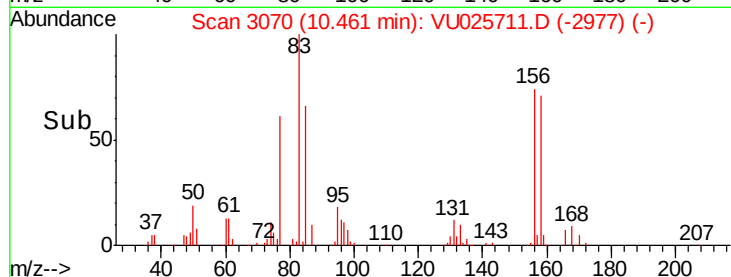
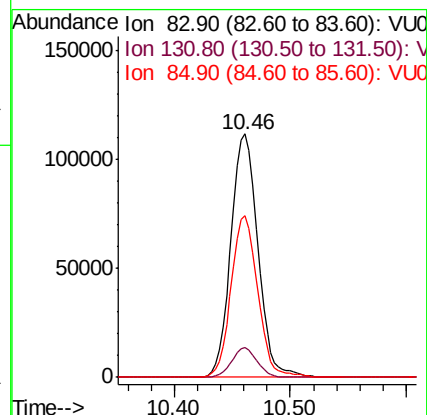
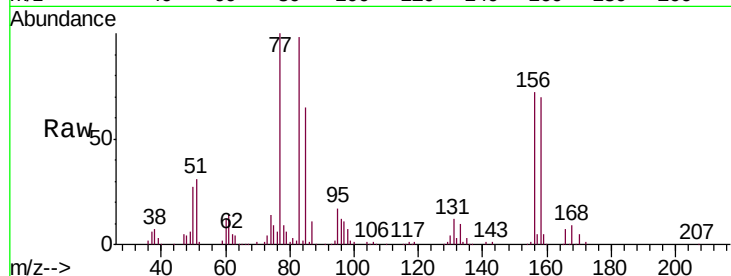
Tot Ion: 83 Resp: 181182

Ion Ratio Lower Upper

83 100

131 11.3 5.5 16.4

85 65.6 31.6 94.8



#76

1,2,3-Trichloropropane

Concen: 53.23 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU025711.D

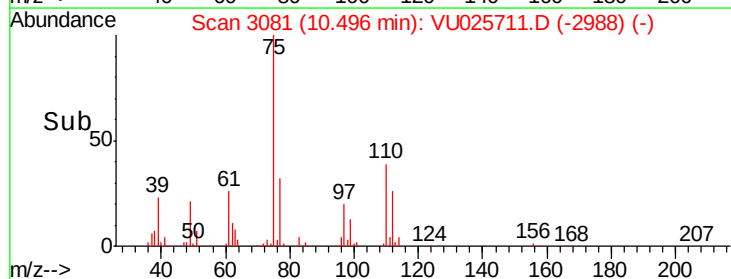
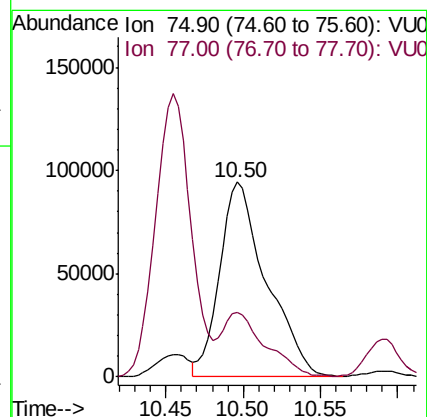
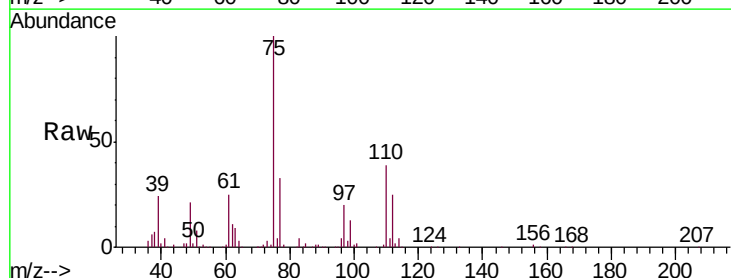
Acq: 28 Jul 2018 08:28

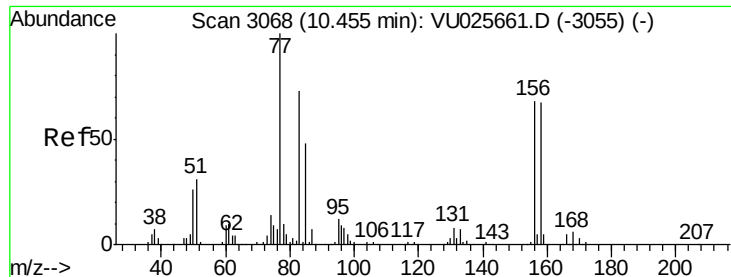
Tgt Ion: 75 Resp: 197818

Ion Ratio Lower Upper

75 100

77 29.6 20.4 61.3





#77

Bromobenzene

Concen: 47.29 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

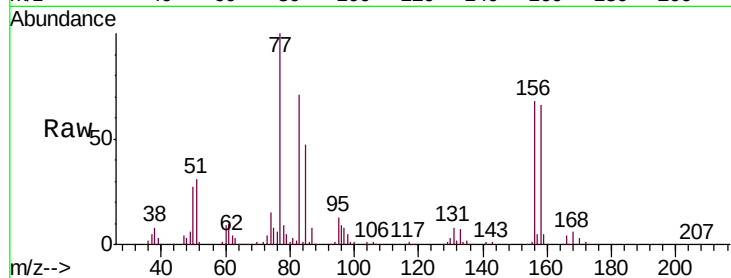
Tot Ion:156 Resp: 150183

Ion Ratio Lower Upper

156 100

77 146.3 73.8 221.4

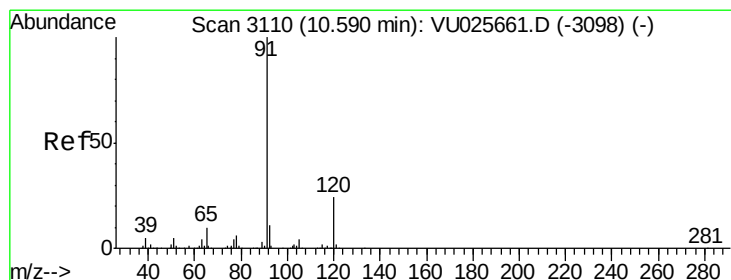
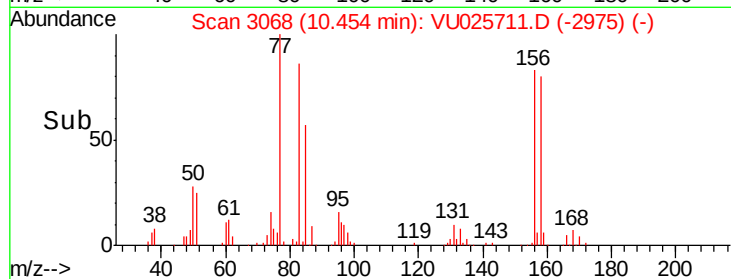
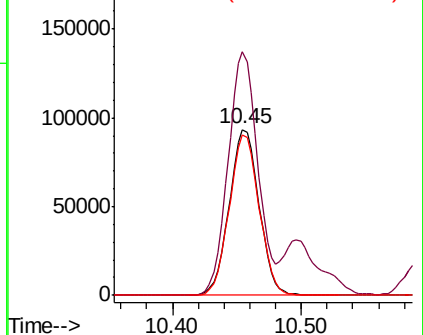
158 96.9 48.0 144.0



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: 49.50 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025711.D

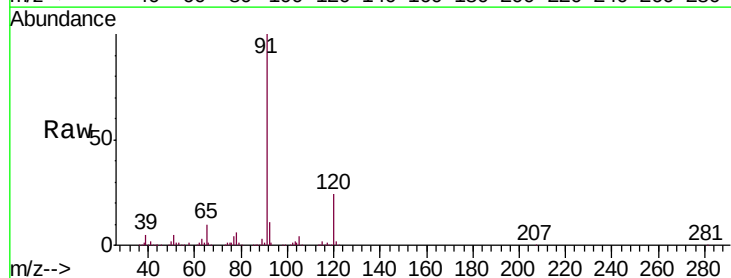
Acq: 28 Jul 2018 08:28

Tgt Ion: 91 Resp: 665147

Ion Ratio Lower Upper

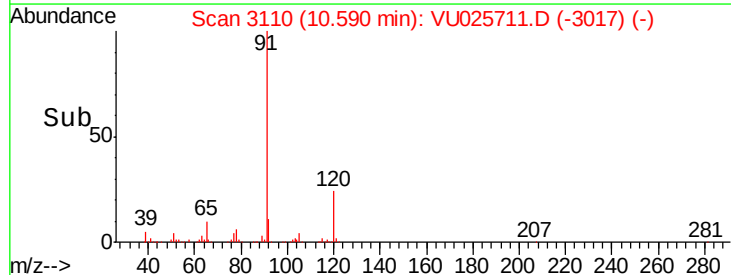
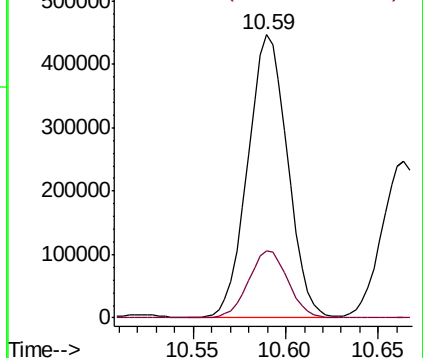
91 100

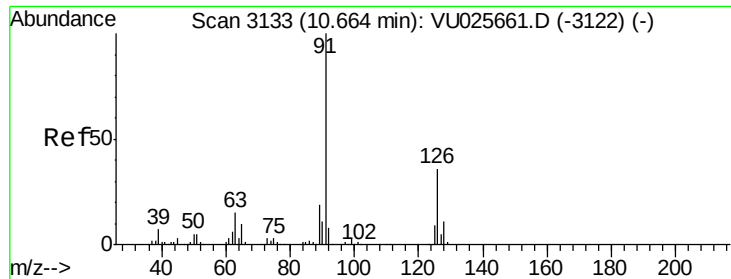
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.94 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

Instrument :

MSVOA_U

ClientSampleId :

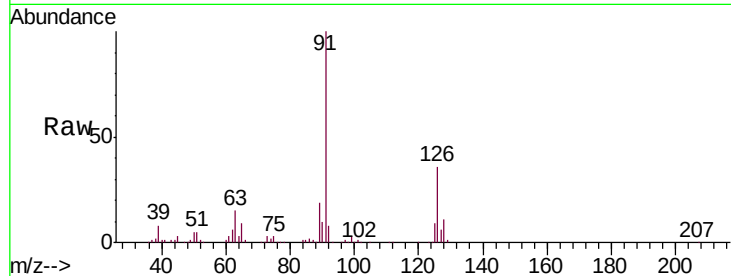
VSTDCCC050EC

Tot Ion: 91 Resp: 385173

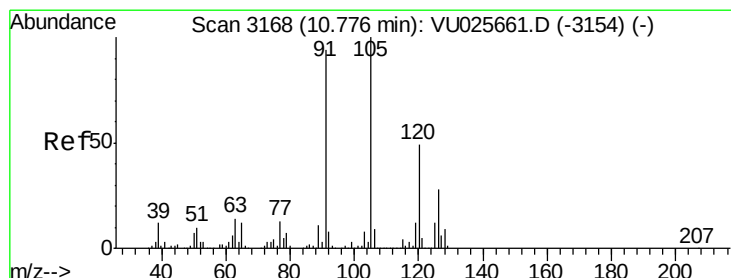
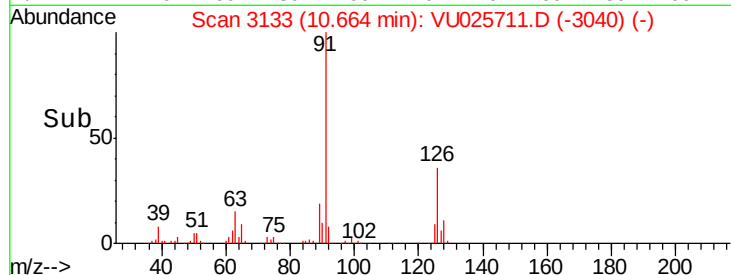
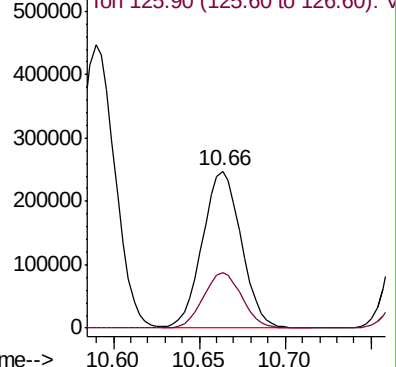
Ion Ratio Lower Upper

91 100

126 35.5 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VU025661.D (-3122) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.53 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025711.D

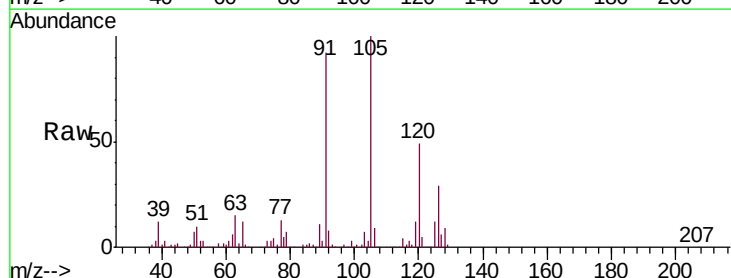
Acq: 28 Jul 2018 08:28

Tgt Ion: 105 Resp: 484252

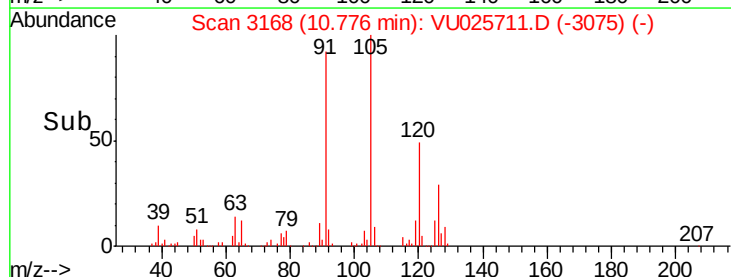
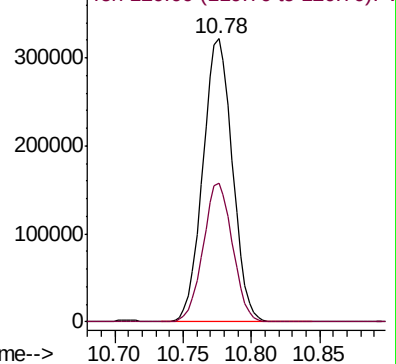
Ion Ratio Lower Upper

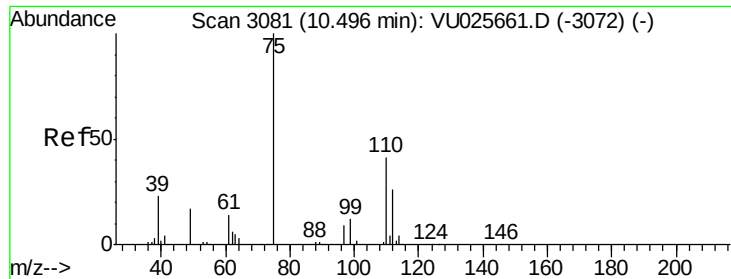
105 100

120 48.7 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU025661.D (-3154) (-)

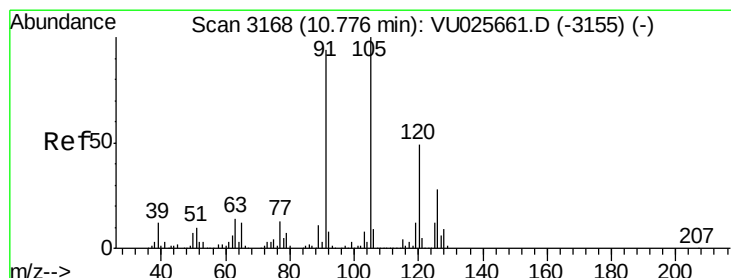
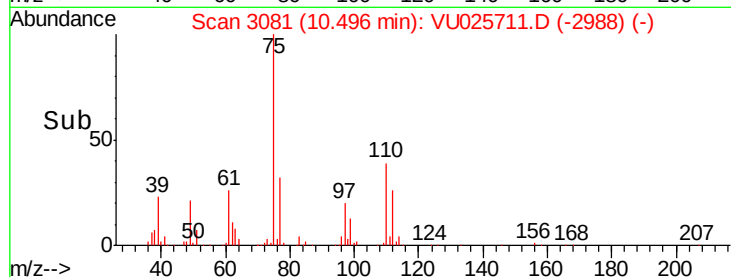
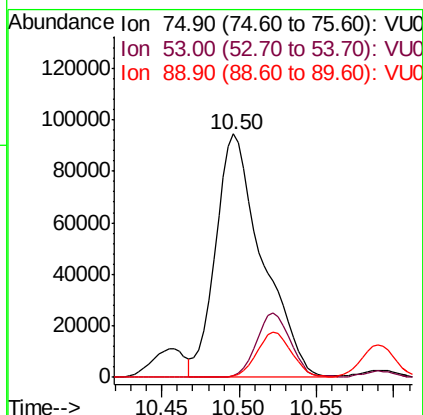
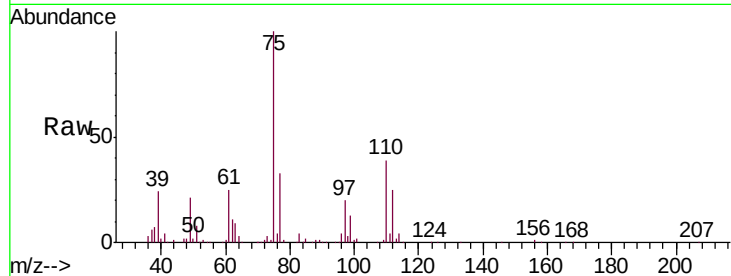




#81
trans-1,4-Dichloro-2-butene
Concen: 133.46 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.00 min
Lab File: VU025711.D
Acq: 28 Jul 2018 08:28

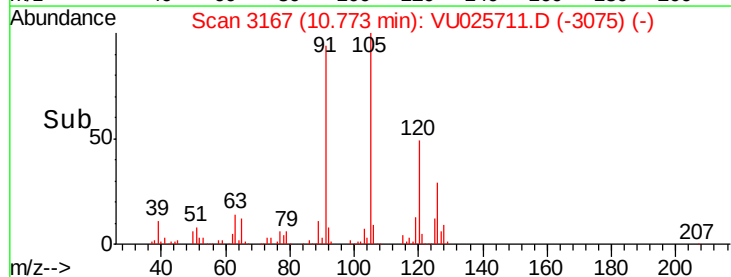
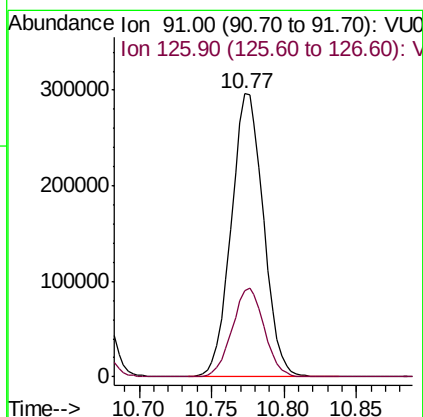
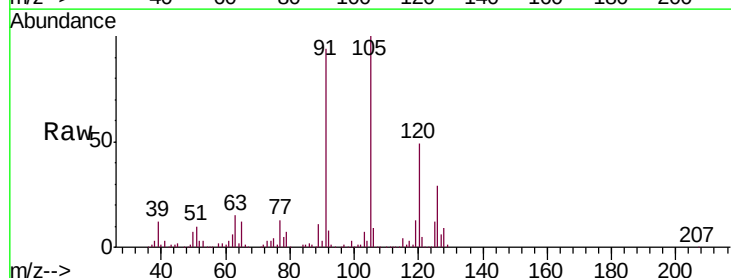
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

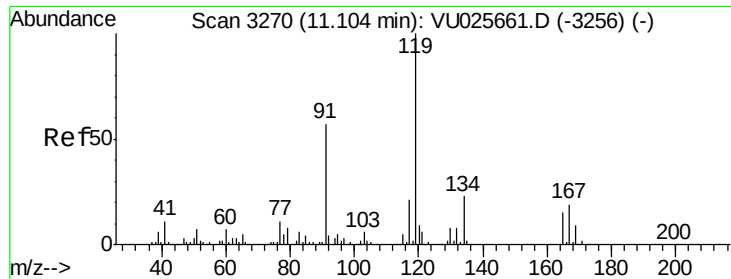
Tot Ion: 75 Resp: 197818
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 49.10 ug/l
RT: 10.77 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VU025711.D
Acq: 28 Jul 2018 08:28

Tgt Ion: 91 Resp: 455547
Ion Ratio Lower Upper
91 100
126 31.3 15.3 45.9

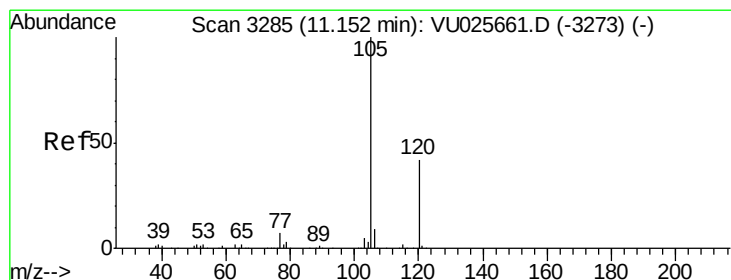
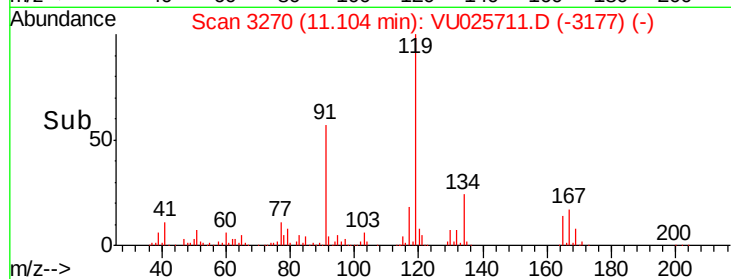
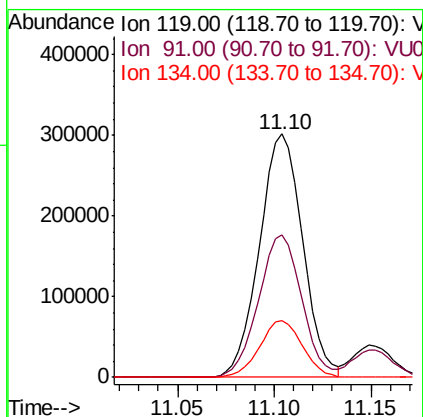
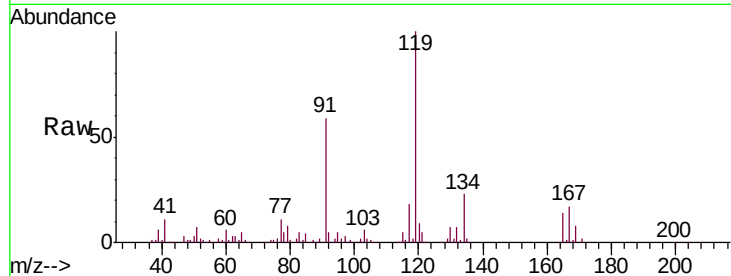




#83
 tert-Butylbenzene
 Concen: 48.35 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025711.D
 Acq: 28 Jul 2018 08:28

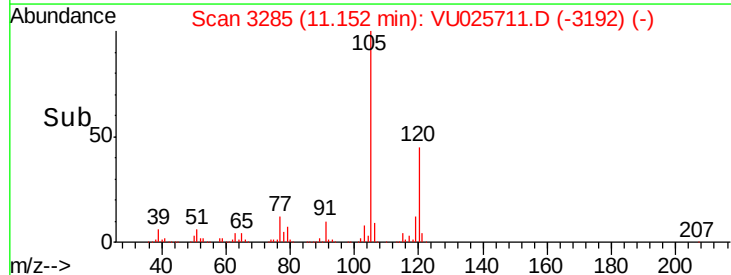
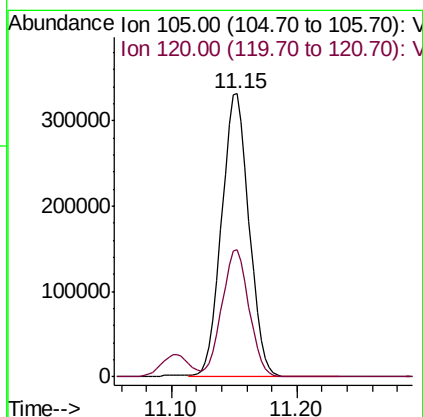
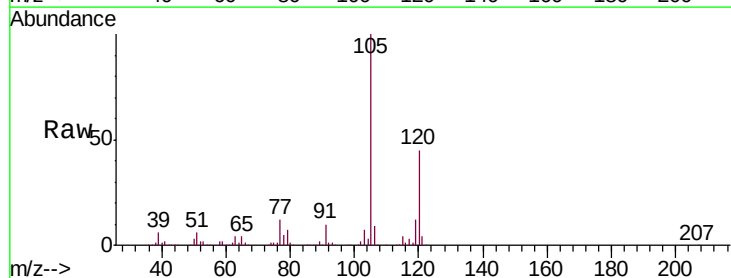
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

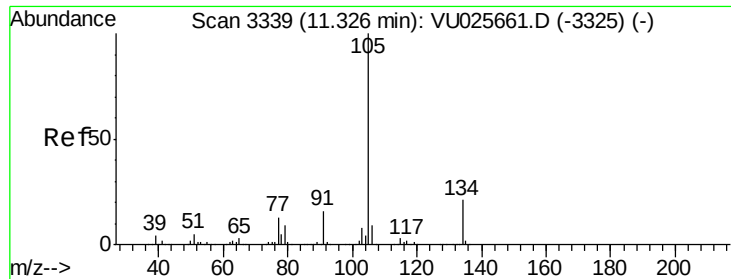
Tot Ion:119 Resp: 469679
 Ion Ratio Lower Upper
 119 100
 91 58.2 29.7 89.1
 134 23.1 11.5 34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 51.01 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025711.D
 Acq: 28 Jul 2018 08:28

Tgt Ion:105 Resp: 505377
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.3 66.8





#85

sec-Butylbenzene

Concen: 49.08 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

Instrument :

MSVOA_U

ClientSampleId :

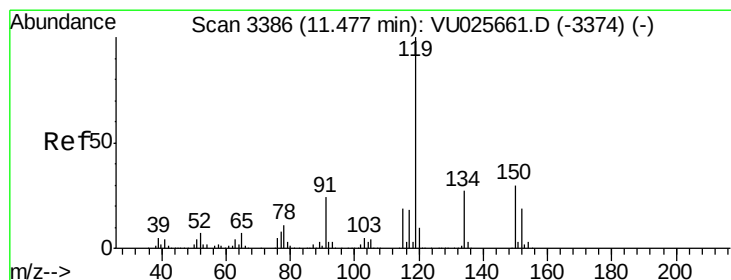
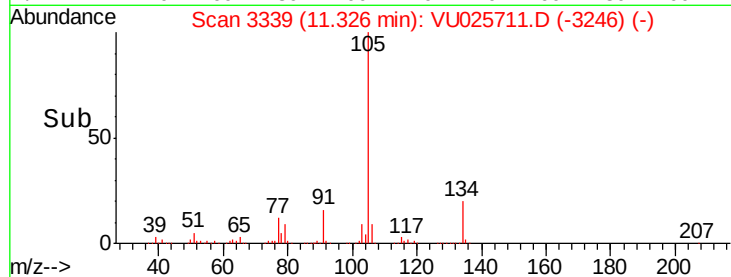
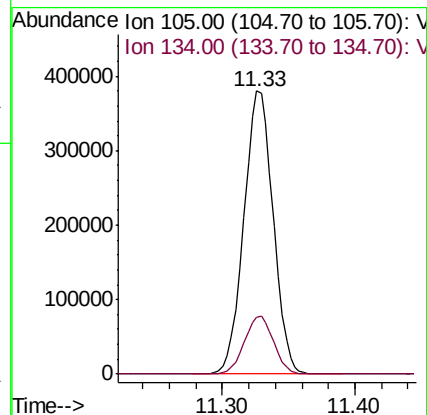
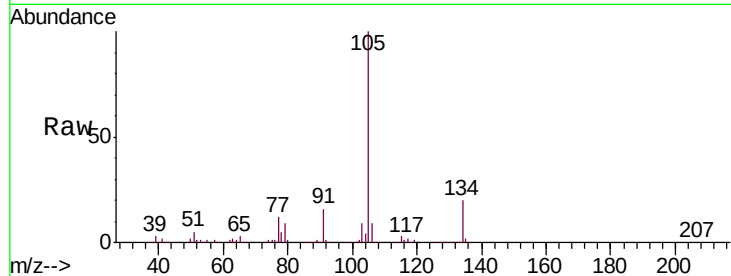
VSTDCCC050EC

Tot Ion:105 Resp: 582192

Ion Ratio Lower Upper

105 100

134 20.4 10.3 30.8



#86

p-Isopropyltoluene

Concen: 49.05 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU025711.D

Acq: 28 Jul 2018 08:28

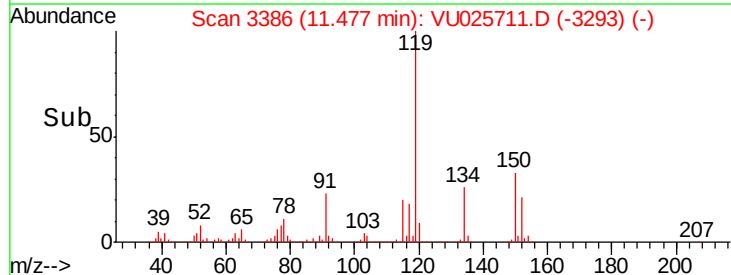
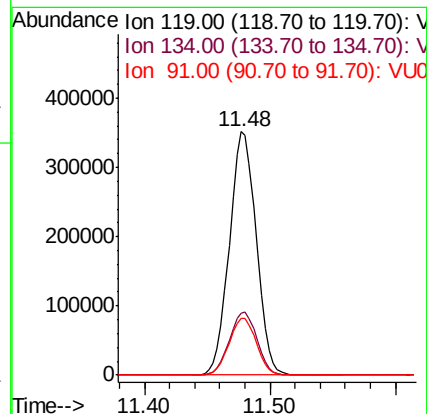
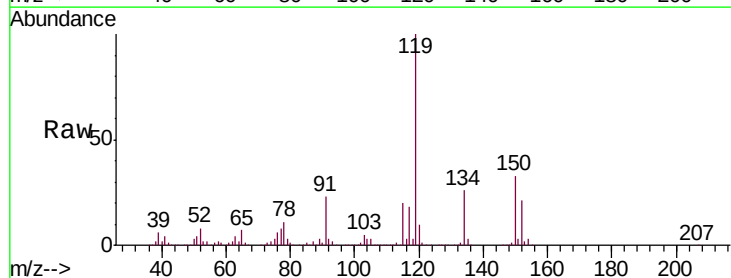
Tgt Ion:119 Resp: 520924

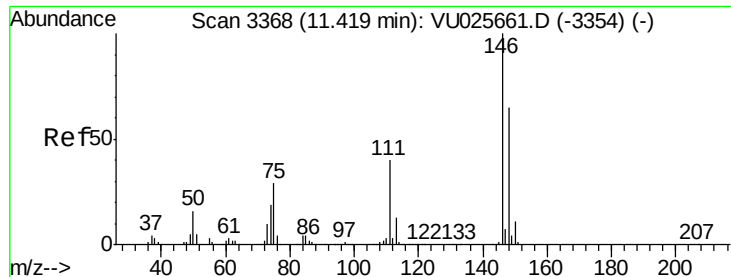
Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.5

91 23.8 12.0 36.1

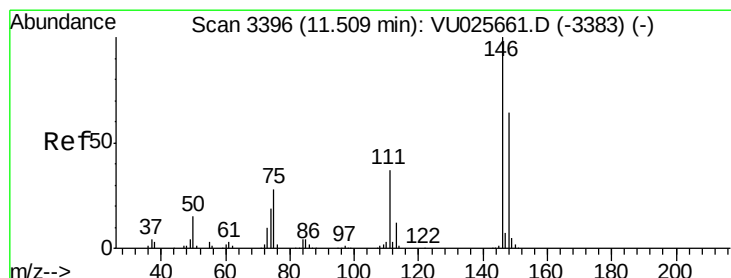
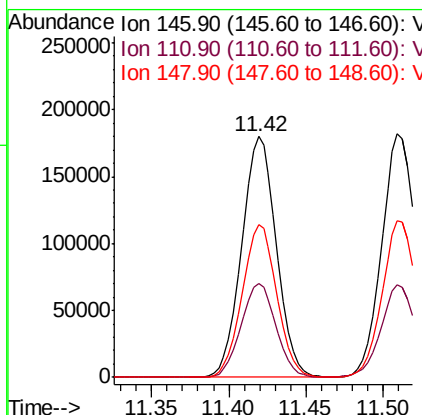
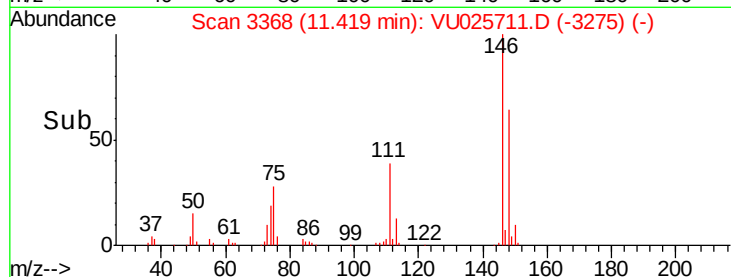
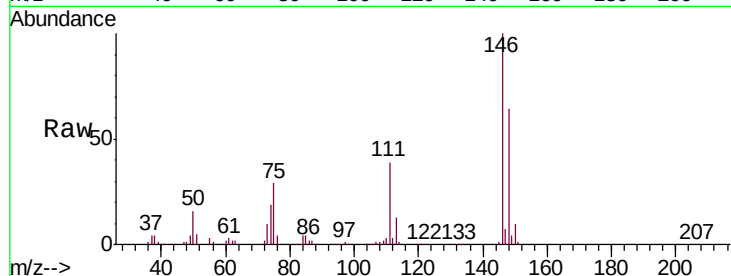




#87
 1,3-Dichlorobenzene
 Concen: 47.54 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025711.D
 Acq: 28 Jul 2018 08:28

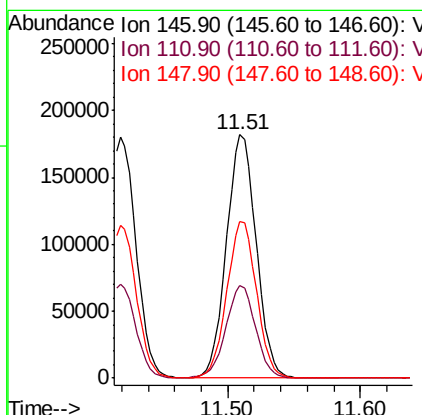
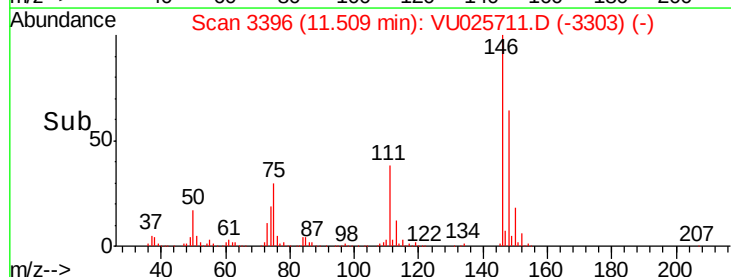
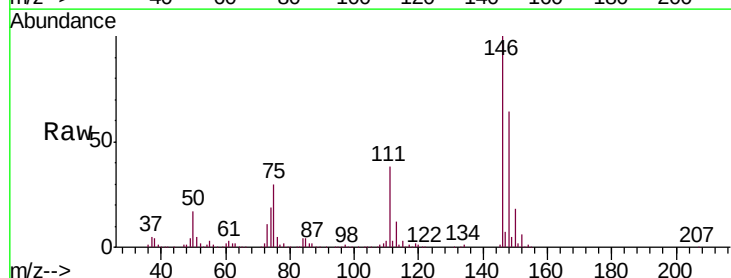
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

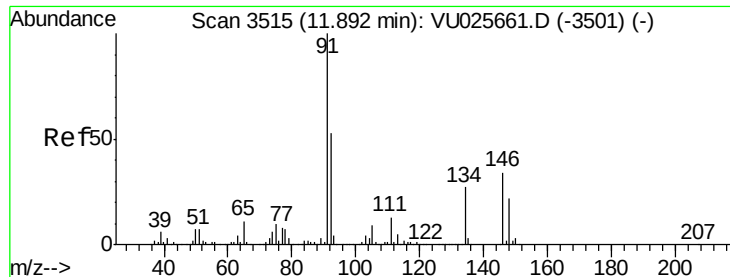
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.1
148	63.3	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 46.09 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025711.D
 Acq: 28 Jul 2018 08:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.4	58.1
148	64.4	31.7	95.1

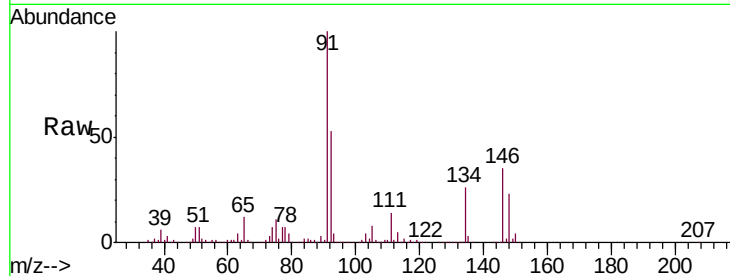




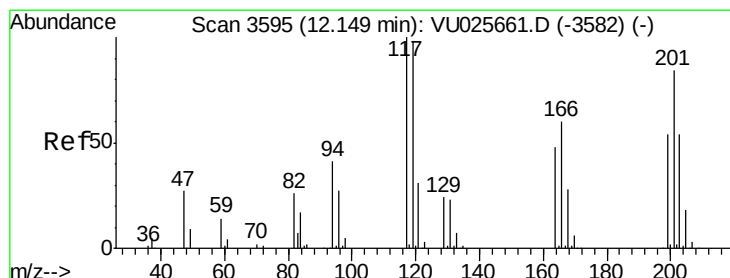
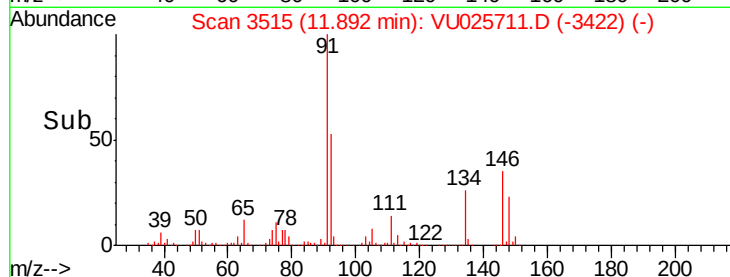
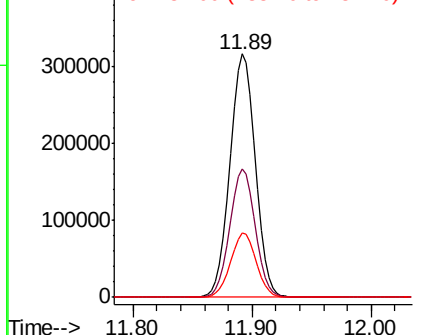
#89
n-Butylbenzene
Concen: 47.71 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025711.D
Acq: 28 Jul 2018 08:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 467567
Ion Ratio Lower Upper
91 100
92 52.6 26.5 79.5
134 26.8 13.6 40.7

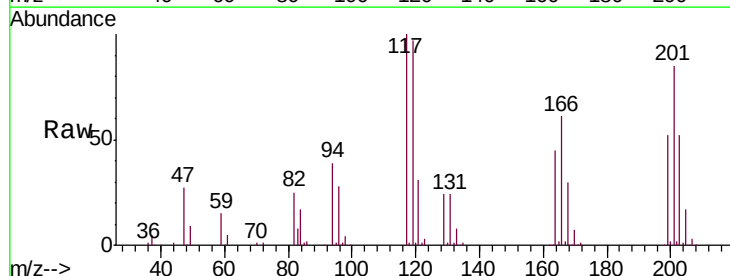


Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0
Ion 134.00 (133.70 to 134.70): V

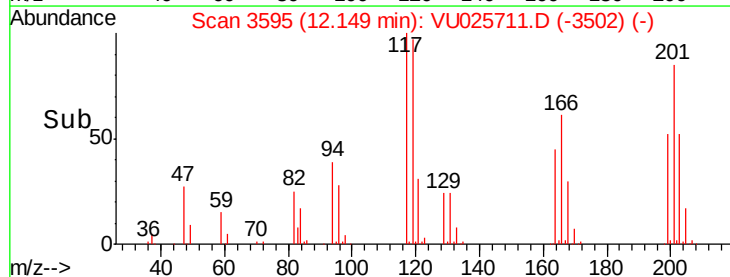
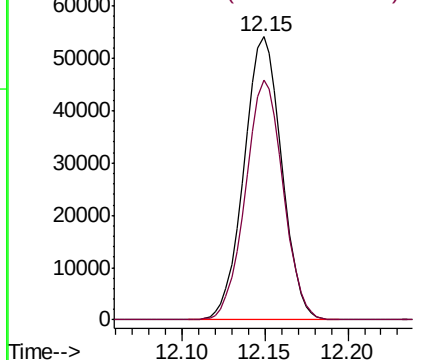


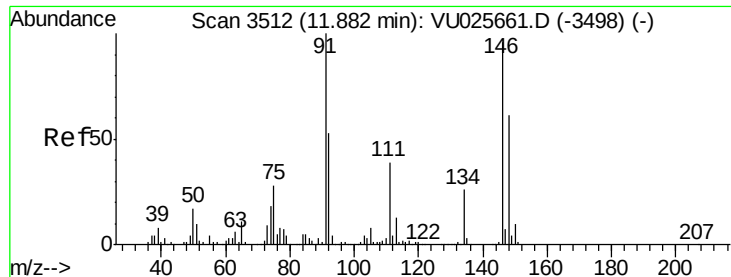
#90
Hexachloroethane
Concen: 45.26 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU025711.D
Acq: 28 Jul 2018 08:28

Tgt Ion: 117 Resp: 85458
Ion Ratio Lower Upper
117 100
201 84.7 42.5 127.6



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

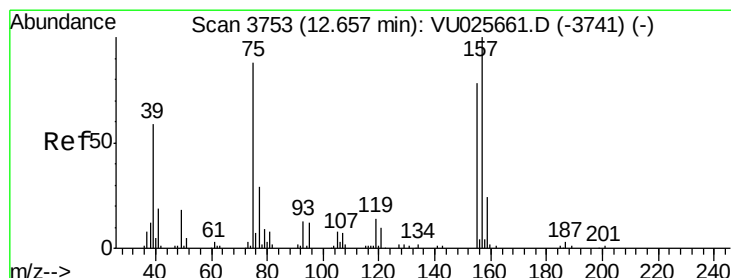
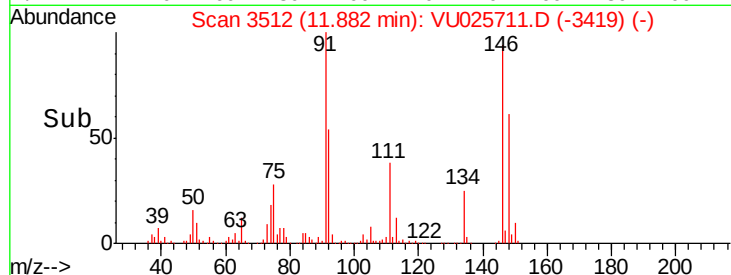
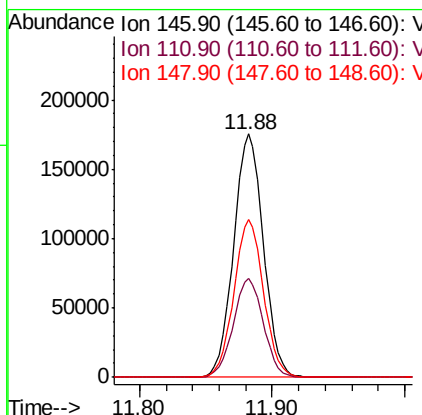
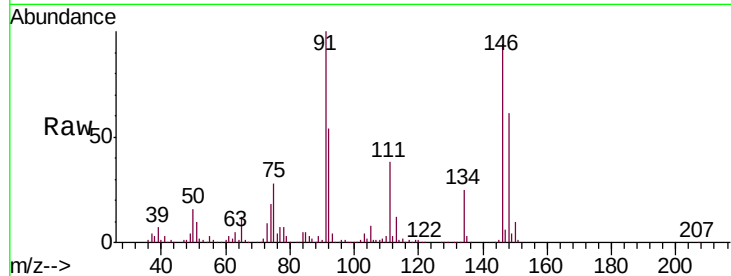




#91
 1,2-Dichlorobenzene
 Concen: 47.32 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025711.D
 Acq: 28 Jul 2018 08:28

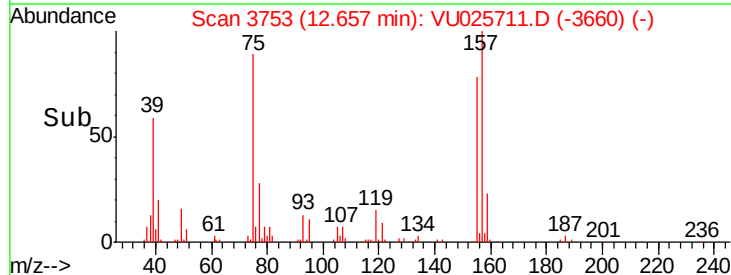
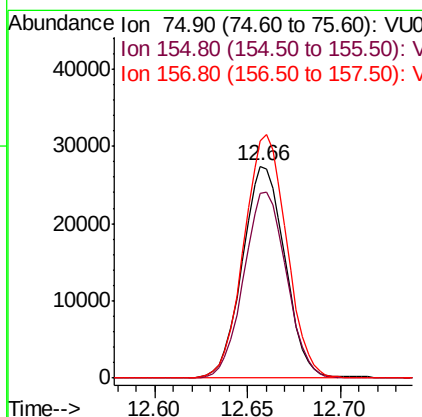
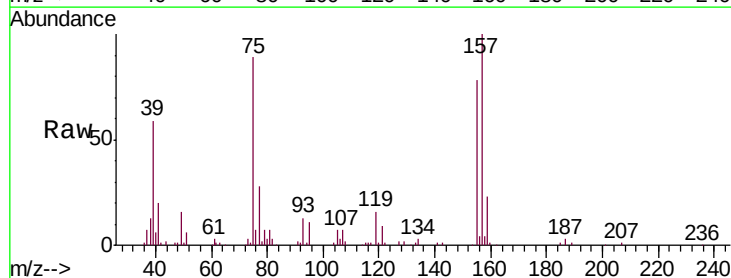
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

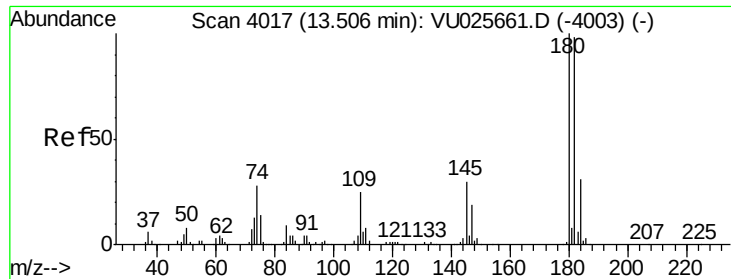
Tot Ion:146 Resp: 273374
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.6 61.8
 148 64.4 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.24 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VU025711.D
 Acq: 28 Jul 2018 08:28

Tgt Ion: 75 Resp: 43645
 Ion Ratio Lower Upper
 75 100
 155 87.8 44.5 133.3
 157 115.4 57.0 170.8

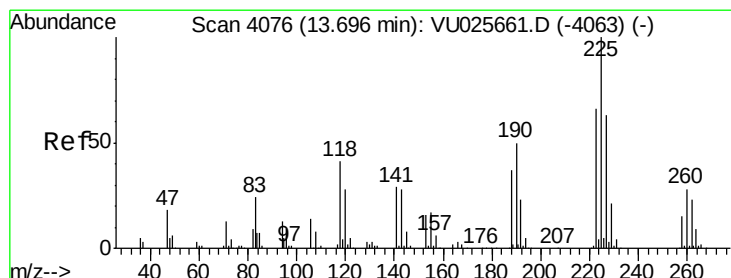
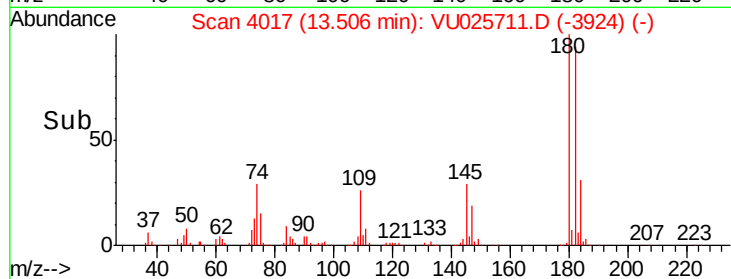
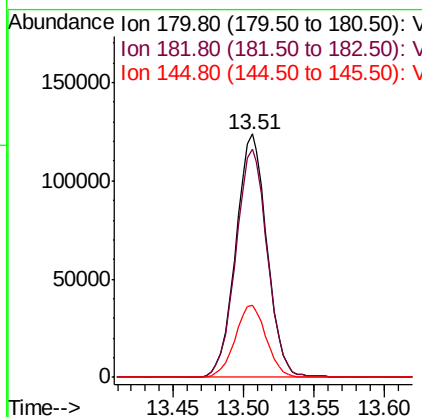
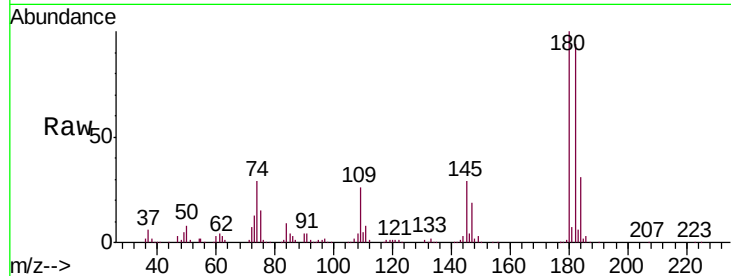




#93
 1,2,4-Trichlorobenzene
 Concen: 49.08 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025711.D
 Acq: 28 Jul 2018 08:28

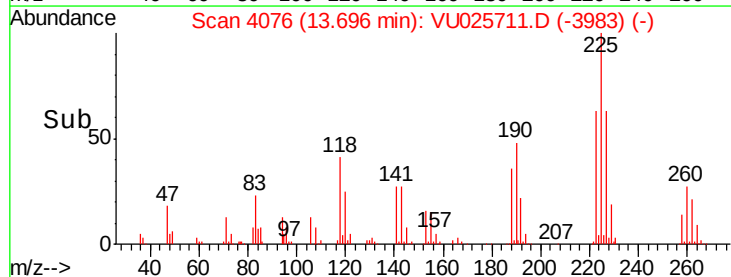
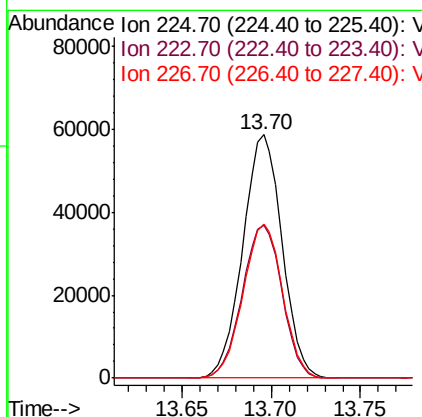
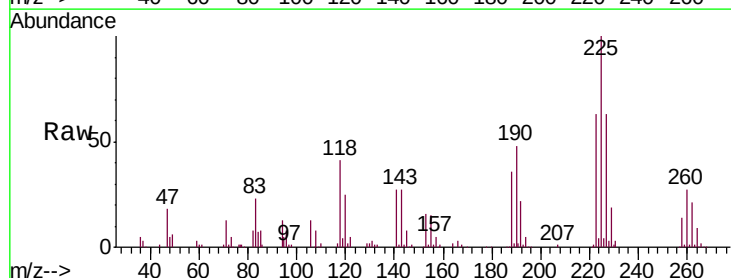
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

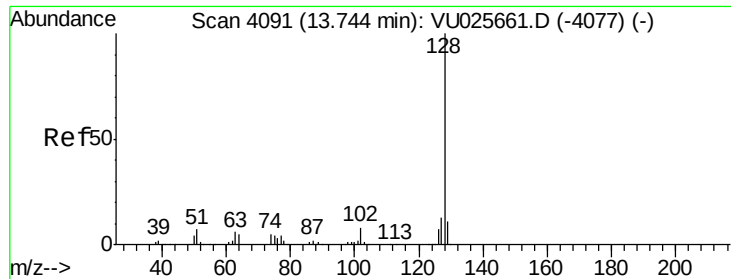
Tot Ion:180 Resp: 191394
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.3 141.9
 145 29.8 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 43.91 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025711.D
 Acq: 28 Jul 2018 08:28

Tgt Ion:225 Resp: 90264
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.9 95.7
 227 63.5 32.3 96.9

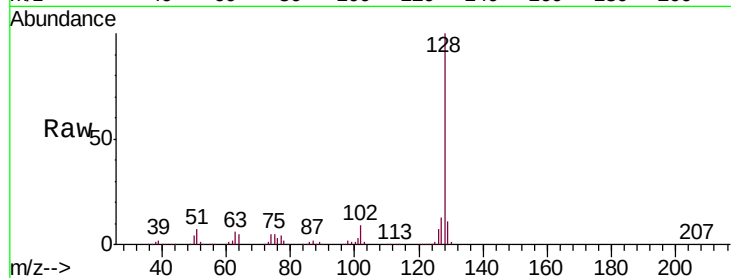




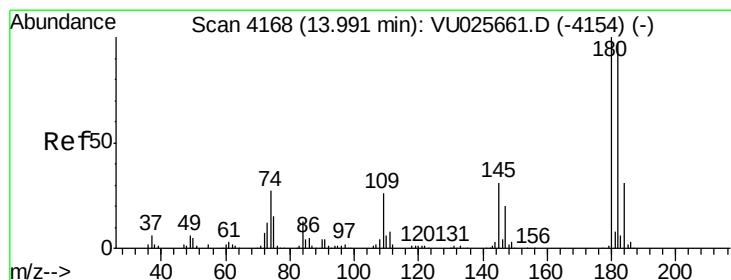
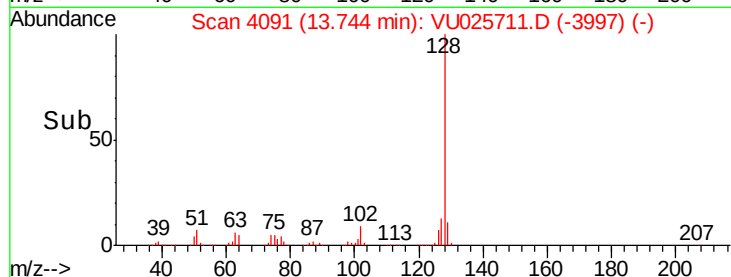
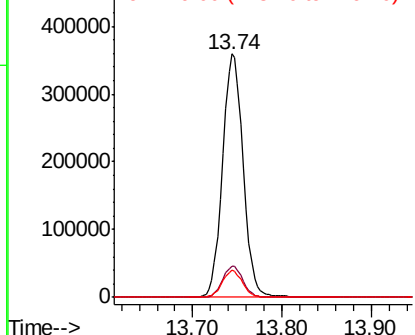
#95
Naphthalene
Concen: 46.02 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025711.D
Acq: 28 Jul 2018 08:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 575176
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 10.8 8.3 12.5

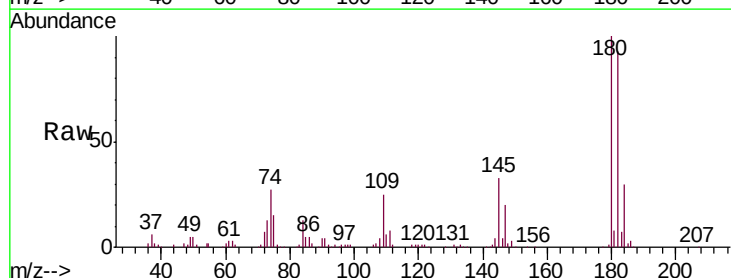


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 49.95 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU025711.D
Acq: 28 Jul 2018 08:28

Tgt Ion:180 Resp: 194296
Ion Ratio Lower Upper
180 100
182 94.7 47.8 143.3
145 32.0 15.6 46.8



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

