

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
 Data File : VU034521.D
 Acq On : 12 Sep 2019 15:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 13 07:09:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	241615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	341017	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	340385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	235485	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	187042	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
35) Dibromofluoromethane	4.86	113	168048	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
50) Toluene-d8	7.54	98	630282	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
62) 4-Bromofluorobenzene	10.29	95	252806	54.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.84%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	127209	50.341	ug/l 98
3) Chloromethane	1.33	50	143701	52.641	ug/l 98
4) Vinyl Chloride	1.40	62	153149	48.636	ug/l 99
5) Bromomethane	1.61	94	94441	59.940	ug/l 98
6) Chloroethane	1.69	64	99520	54.466	ug/l 97
7) Trichlorofluoromethane	1.87	101	225613	53.436	ug/l 99
8) Diethyl Ether	2.09	74	98589	53.086	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.27	101	150755	53.910	ug/l 99
10) Methyl Iodide	2.40	142	136611	53.135	ug/l 99
11) Tert butyl alcohol	2.81	59	220891	286.010	ug/l 100
12) 1,1-Dichloroethene	2.27	96	137682	52.375	ug/l 96
13) Acrolein	2.18	56	126120	194.292	ug/l 99
14) Allyl chloride	2.58	41	224001	44.571	ug/l 89
15) Acrylonitrile	2.92	53	541997	281.813	ug/l 99
16) Acetone	2.31	43	526122	278.105	ug/l 99
17) Carbon Disulfide	2.46	76	256071	43.341	ug/l 99
18) Methyl Acetate	2.60	43	242501	52.680	ug/l 97
19) Methyl tert-butyl Ether	2.98	73	545925	56.976	ug/l 99
20) Methylene Chloride	2.69	84	176473	57.008	ug/l 99
21) trans-1,2-Dichloroethene	2.96	96	142537	51.453	ug/l 98
22) Diisopropyl ether	3.55	45	554549	56.581	ug/l 98
23) Vinyl Acetate	3.51	43	2268898	284.201	ug/l 98
24) 1,1-Dichloroethane	3.42	63	310531	53.055	ug/l 100
25) 2-Butanone	4.23	43	727104	287.926	ug/l 99
26) 2,2-Dichloropropane	4.20	77	264105	56.104	ug/l 100
27) cis-1,2-Dichloroethene	4.20	96	185937	55.264	ug/l 99
28) Bromochloromethane	4.52	49	147030	54.614	ug/l 97
29) Tetrahydrofuran	4.61	42	426406	277.487	ug/l 99
30) Chloroform	4.65	83	319137	53.642	ug/l 100
31) Cyclohexane	4.97	56	213624	49.889	ug/l 98
32) 1,1,1-Trichloroethane	4.89	97	259377	54.529	ug/l 98
36) 1,1-Dichloropropene	5.11	75	202265	54.690	ug/l 99
37) Ethyl Acetate	4.36	43	244863	55.999	ug/l 98
38) Carbon Tetrachloride	5.11	117	220151	55.751	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	216923	54.868	ug/l	98
40) Benzene	5.37	78	660225	55.324	ug/l	98
41) Methacrylonitrile	4.52	41	139742	59.997	ug/l	99
42) 1,2-Dichloroethane	5.38	62	234482	56.593	ug/l	100
43) Isopropyl Acetate	5.53	43	386178	56.613	ug/l	99
44) Trichloroethene	6.16	130	182882	55.380	ug/l	99
45) 1,2-Dichloropropane	6.41	63	197687	56.665	ug/l	99
46) Dibromomethane	6.54	93	123292	56.301	ug/l	99
47) Bromodichloromethane	6.73	83	258096	57.257	ug/l	100
48) Methyl methacrylate	6.60	41	184727	57.017	ug/l	99
49) 1,4-Dioxane	6.59	88	85607	1210.053	ug/l	100
51) 4-Methyl-2-Pentanone	7.44	43	1371980	290.569	ug/l	99
52) Toluene	7.61	92	431496	57.640	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	270961	57.987	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	303222	59.124	ug/l	100
55) 1,1,2-Trichloroethane	8.05	97	193692	56.981	ug/l	98
56) Ethyl methacrylate	8.00	69	280902	54.121	ug/l	100
57) 1,3-Dichloropropane	8.22	76	313620	56.660	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	407090	234.121	ug/l	100
59) 2-Hexanone	8.34	43	1057609	299.831	ug/l	99
60) Dibromochloromethane	8.45	129	216243	59.309	ug/l	97
61) 1,2-Dibromoethane	8.57	107	192213	57.772	ug/l	100
64) Tetrachloroethene	8.21	164	164773	55.798	ug/l	99
65) Chlorobenzene	9.10	112	500442	57.950	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	193437	58.694	ug/l	99
67) Ethyl Benzene	9.23	91	834404	59.094	ug/l	99
68) m/p-Xylenes	9.35	106	657990	123.752	ug/l	100
69) o-Xylene	9.76	106	317565	61.072	ug/l	99
70) Styrene	9.77	104	583565	64.011	ug/l	99
71) Bromoform	9.94	173	170380	59.652	ug/l #	99
73) Isopropylbenzene	10.14	105	898927	58.658	ug/l	98
74) N-amyl acetate	9.99	43	355834	57.684	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	337547	54.416	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	360769	70.186	ug/l	85
77) Bromobenzene	10.43	156	244966	57.168	ug/l	97
78) n-propylbenzene	10.57	91	1039488	58.733	ug/l	99
79) 2-Chlorotoluene	10.64	91	625964	57.965	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	776378	60.575	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.47	75	362325	237.047	ug/l #	100
82) 4-Chlorotoluene	10.75	91	727575	58.546	ug/l	99
83) tert-Butylbenzene	11.08	119	760344	59.302	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	778972	60.378	ug/l	99
85) sec-Butylbenzene	11.30	105	906876	59.912	ug/l	100
86) p-Isopropyltoluene	11.45	119	844486	60.445	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	447538	57.236	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	454191	55.690	ug/l	99
89) n-Butylbenzene	11.86	91	738101	60.793	ug/l	99
90) Hexachloroethane	12.12	117	125682	56.228	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	438145	57.016	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	66778	58.584	ug/l	99

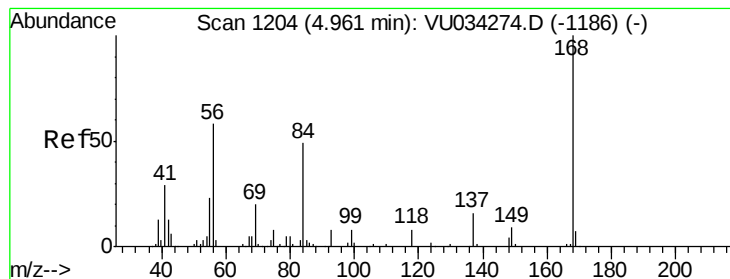
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Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	294112	52.580	ug/l	99
94) Hexachlorobutadiene	13.67	225	144150	53.626	ug/l	99
95) Naphthalene	13.72	128	781783	49.827	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	293577	54.297	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

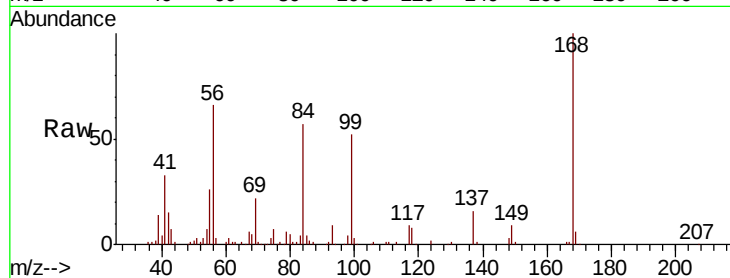
VSTDCCC050

Tgt Ion:168 Resp: 241615

Ion Ratio Lower Upper

168 100

99 51.2 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

4.96

120000

100000

80000

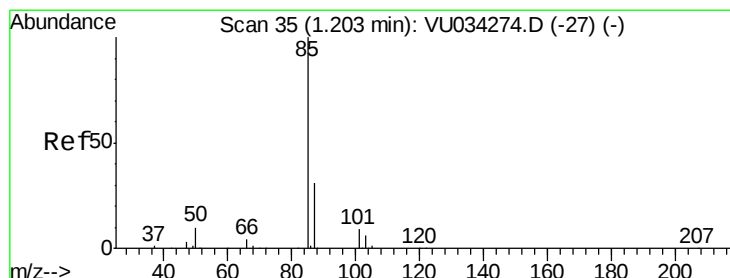
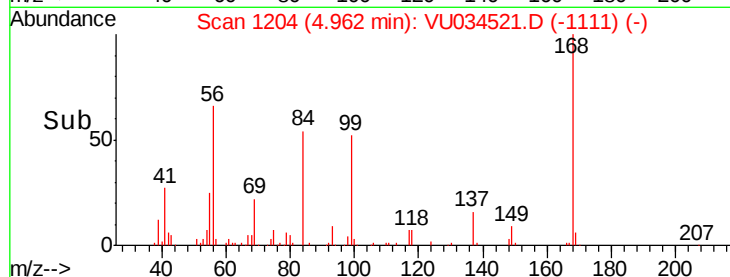
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.341 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034521.D

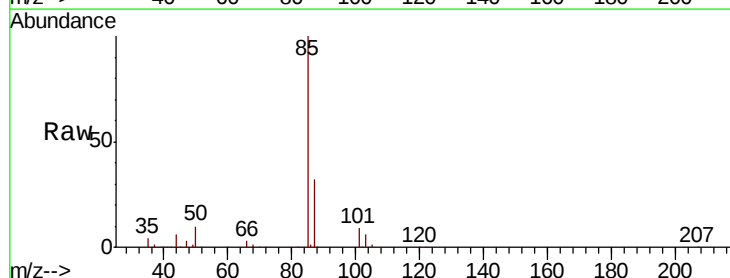
Acq: 12 Sep 2019 15:34

Tgt Ion: 85 Resp: 127209

Ion Ratio Lower Upper

85 100

87 32.4 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034274.D (-27) (-)

Ion 86.90 (86.60 to 87.60): VU034274.D (-27) (-)

1.20

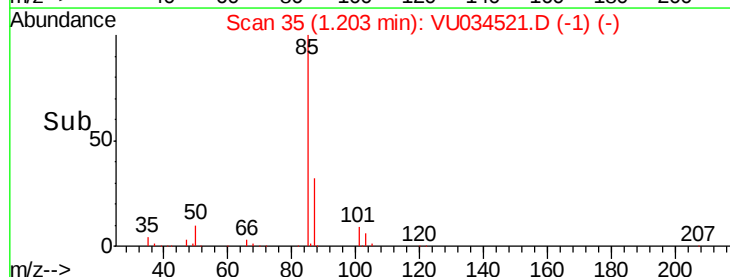
150000

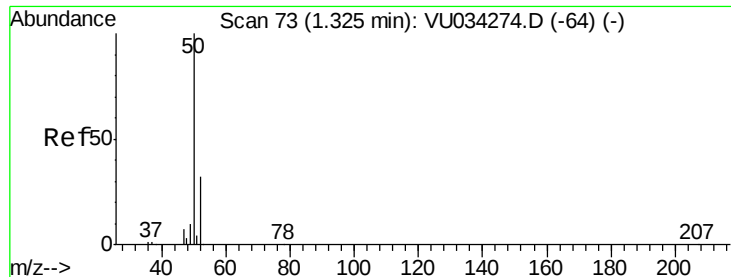
100000

50000

0

Time-->





#3

Chloromethane

Concen: 52.641 ug/l

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

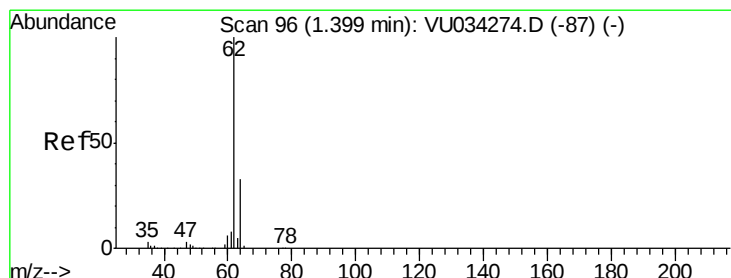
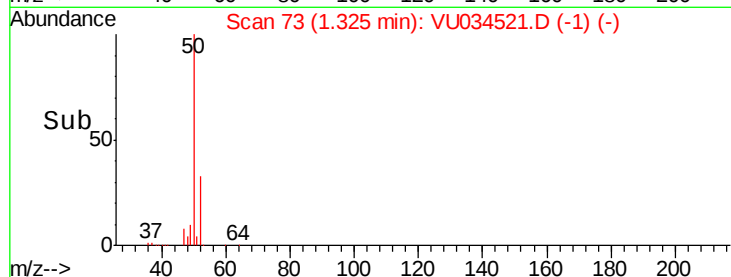
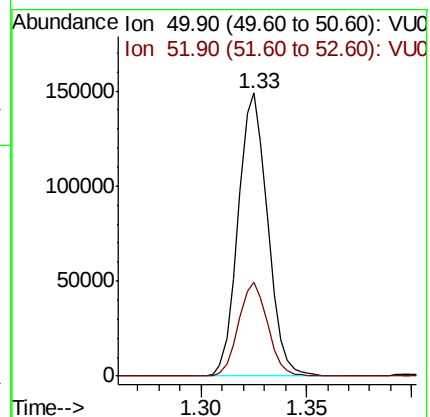
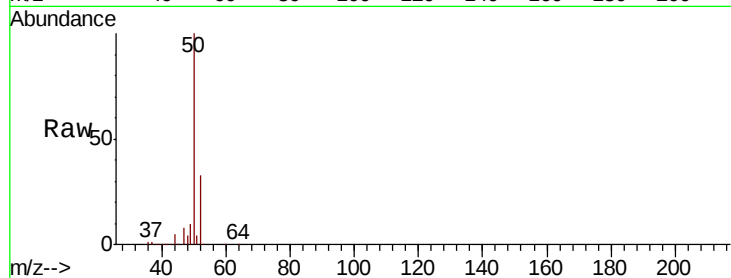
VSTDCCC050

Tgt Ion: 50 Resp: 143701

Ion Ratio Lower Upper

50 100

52 33.0 25.8 38.6



#4

Vinyl Chloride

Concen: 48.636 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034521.D

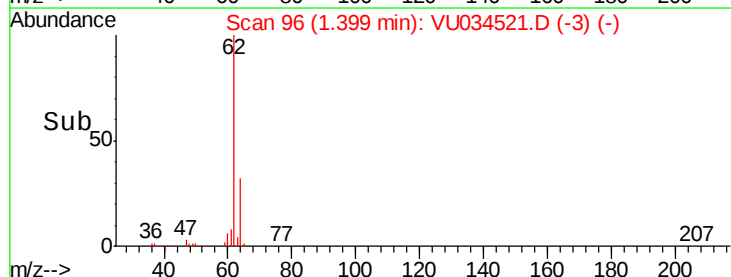
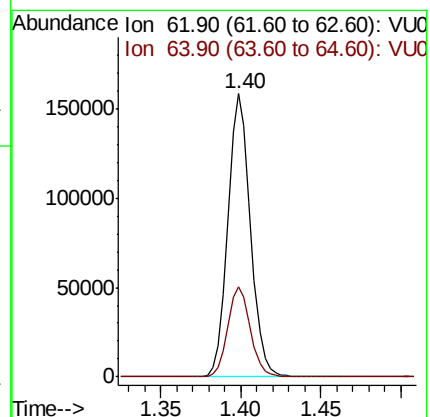
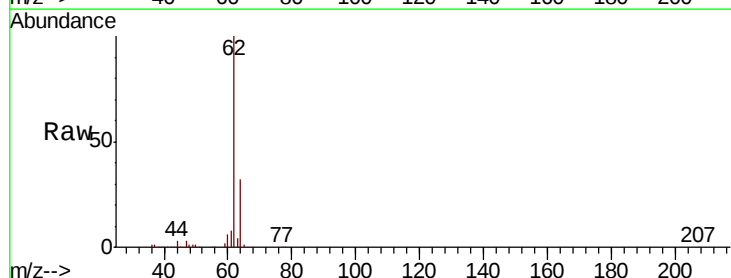
Acq: 12 Sep 2019 15:34

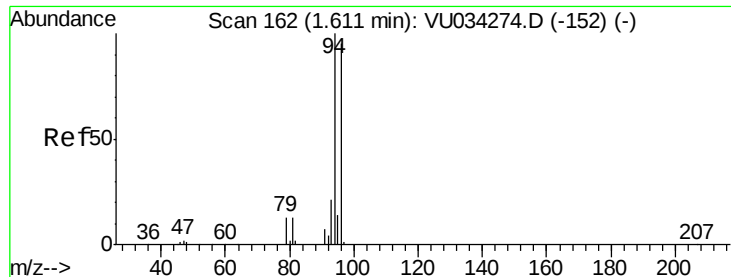
Tgt Ion: 62 Resp: 153149

Ion Ratio Lower Upper

62 100

64 32.0 26.2 39.4





#5

Bromomethane

Concen: 59.940 ug/l

RT: 1.61 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

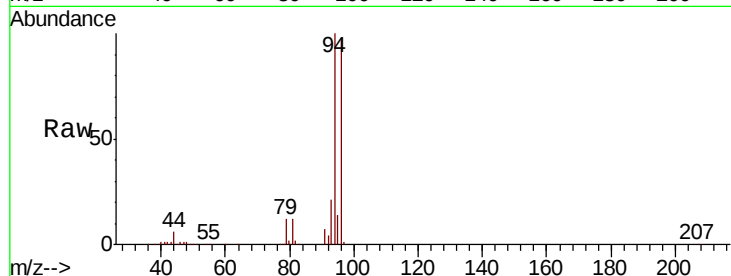
VSTDCCC050

Tgt Ion: 94 Resp: 94441

Ion Ratio Lower Upper

94 100

96 96.7 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034274.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034274.D (-152) (-)

1.61

80000

60000

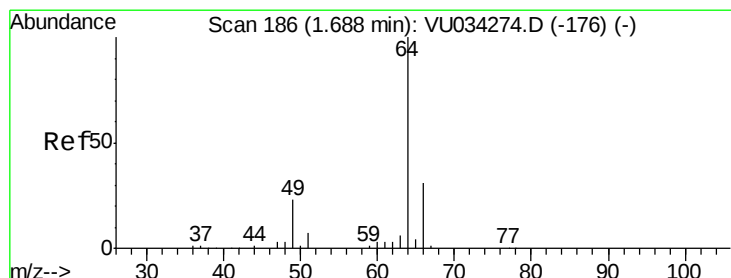
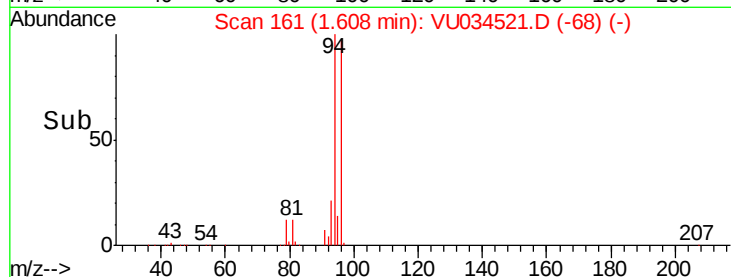
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 54.466 ug/l

RT: 1.69 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU034521.D

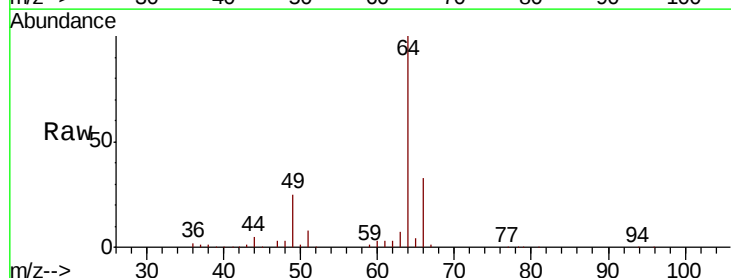
Acq: 12 Sep 2019 15:34

Tgt Ion: 64 Resp: 99520

Ion Ratio Lower Upper

64 100

66 33.2 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034274.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034274.D (-176) (-)

1.69

80000

60000

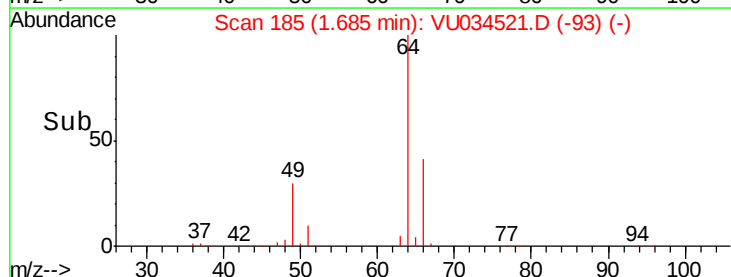
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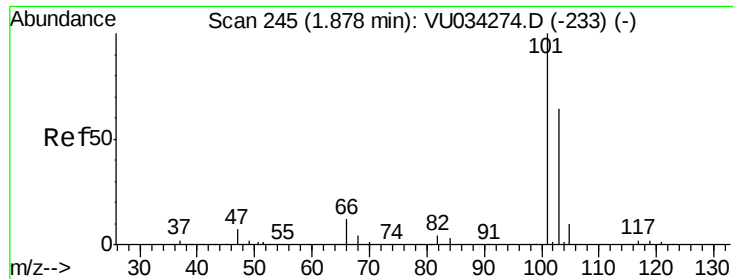
20000

0

1.65 1.70 1.75

Time-->





#7

Trichlorofluoromethane

Concen: 53.436 ug/l

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

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ClientSampleId :

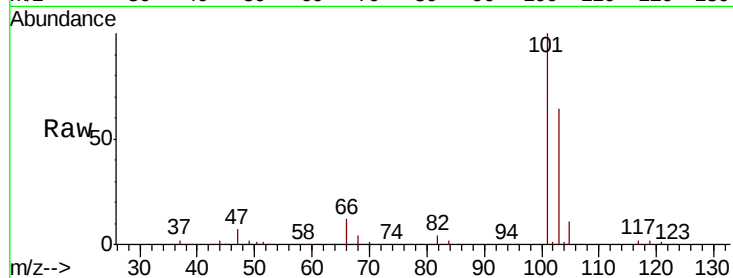
VSTDCCC050

Tgt Ion:101 Resp: 225613

Ion Ratio Lower Upper

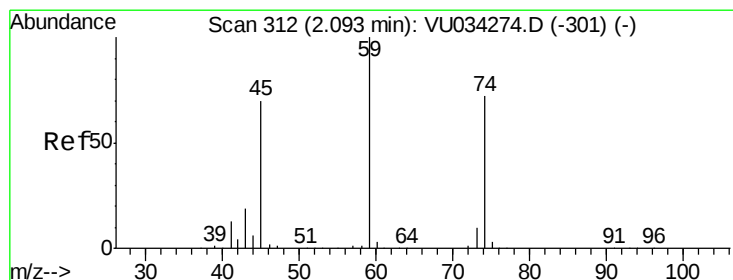
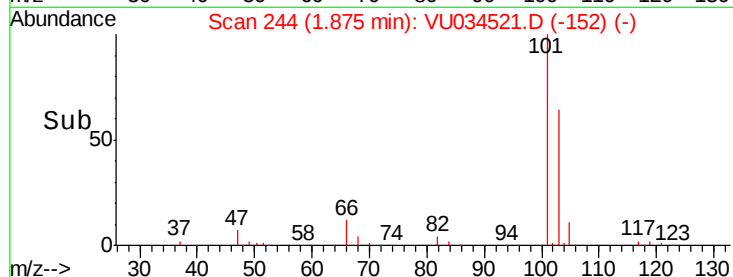
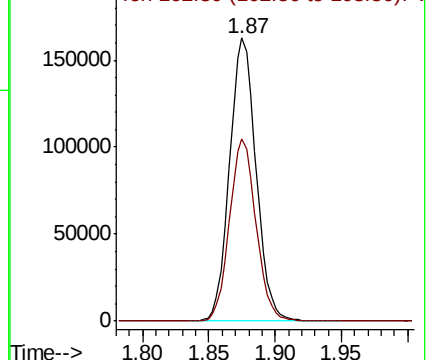
101 100

103 64.2 51.0 76.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 53.086 ug/l

RT: 2.09 min Scan# 312

Delta R.T. 0.00 min

Lab File: VU034521.D

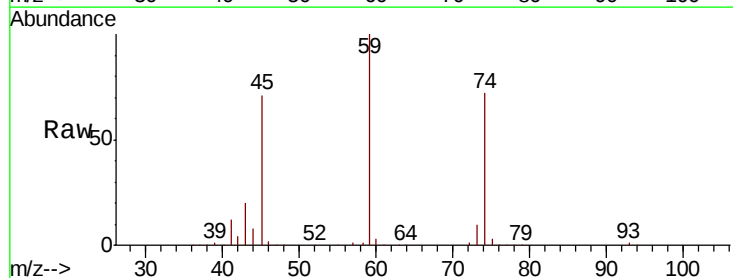
Acq: 12 Sep 2019 15:34

Tgt Ion: 74 Resp: 98589

Ion Ratio Lower Upper

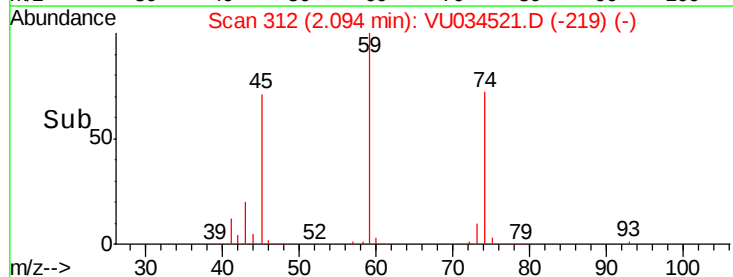
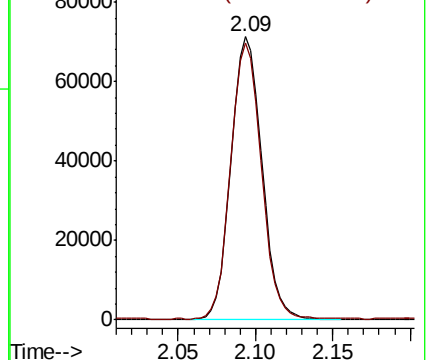
74 100

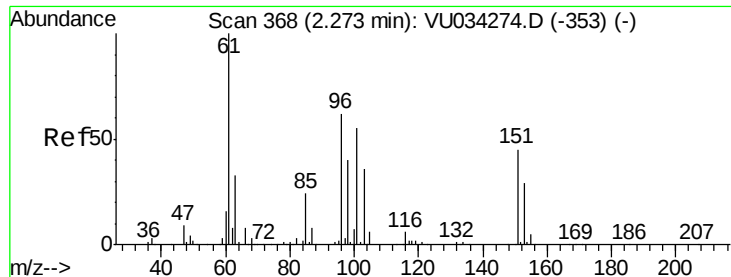
45 96.5 48.2 144.6



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: 53.910 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

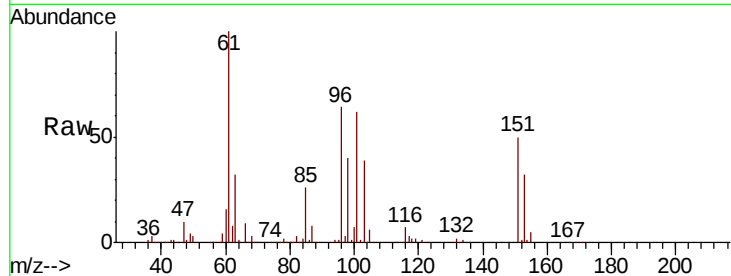
Tgt Ion:101 Resp: 150755

Ion Ratio Lower Upper

101 100

85 42.3 34.4 51.6

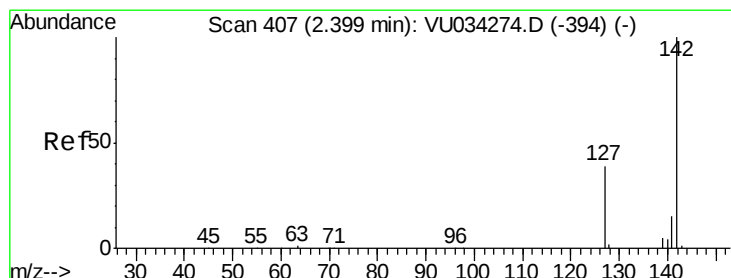
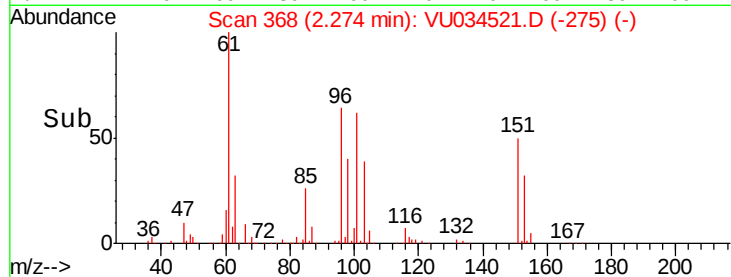
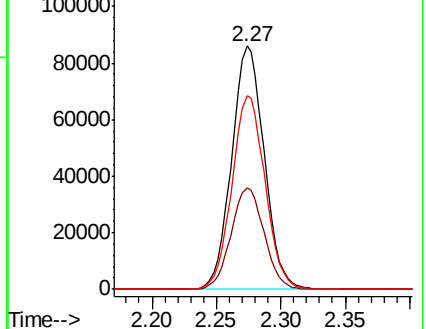
151 81.0 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.135 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

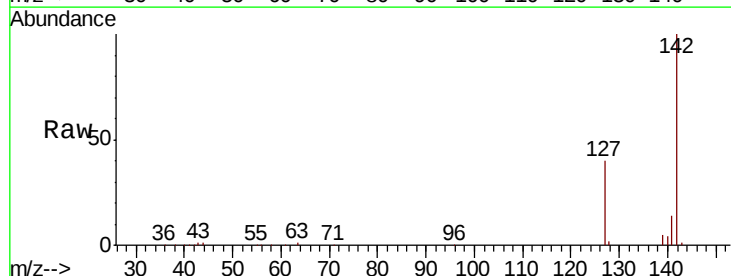
Tgt Ion:142 Resp: 136611

Ion Ratio Lower Upper

142 100

127 40.7 32.1 48.1

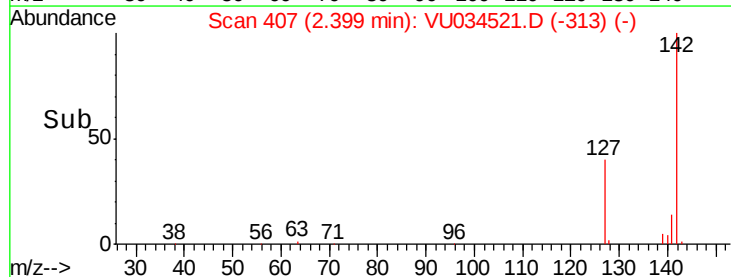
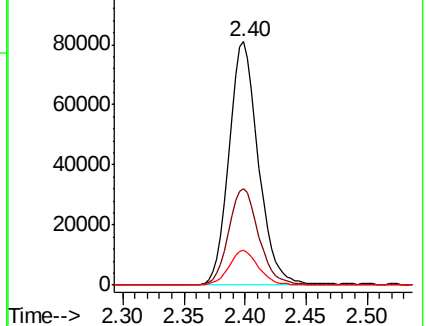
141 14.3 11.5 17.3

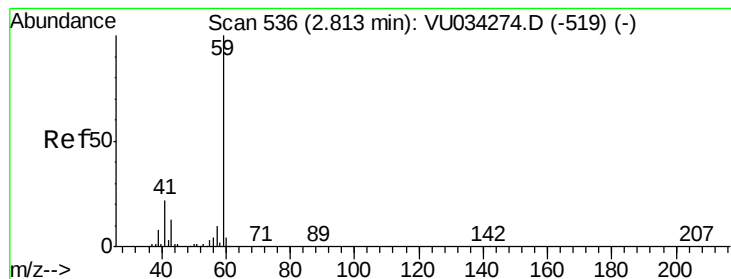


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



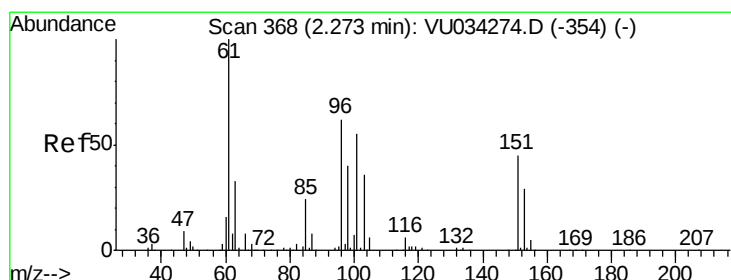
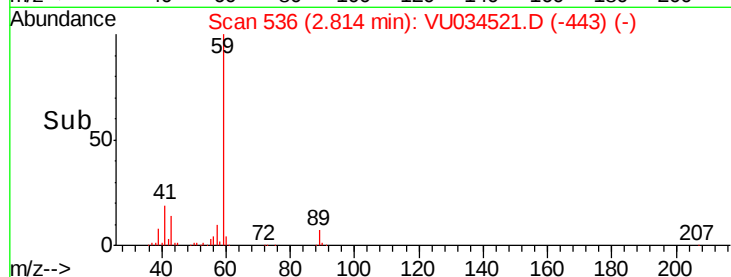
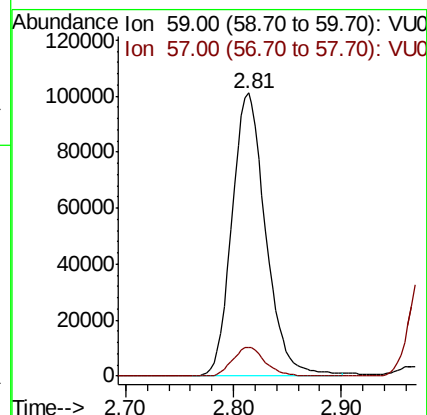
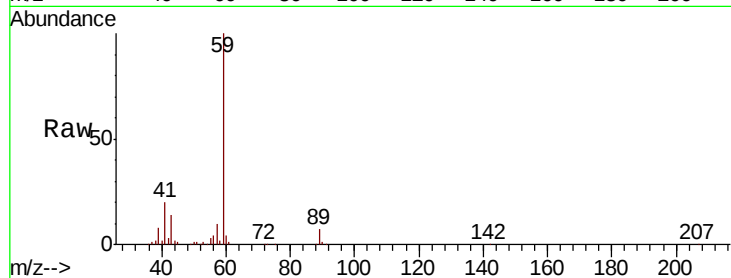


#11

Tert butyl alcohol
 Concen: 286.010 ug/l
 RT: 2.81 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

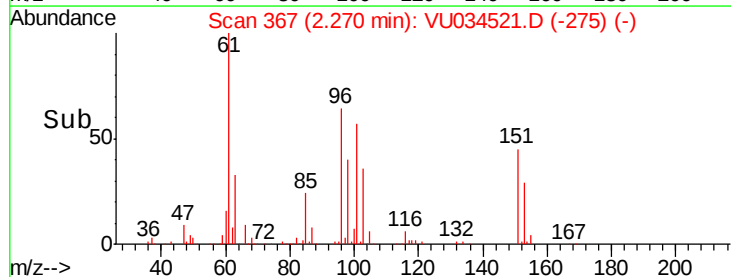
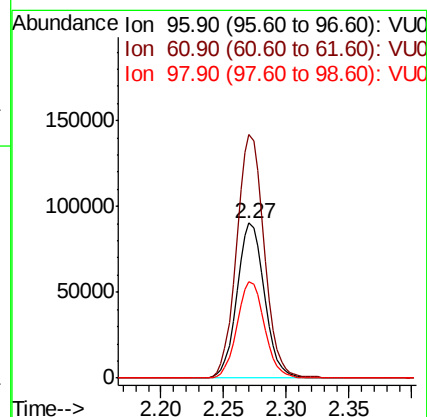
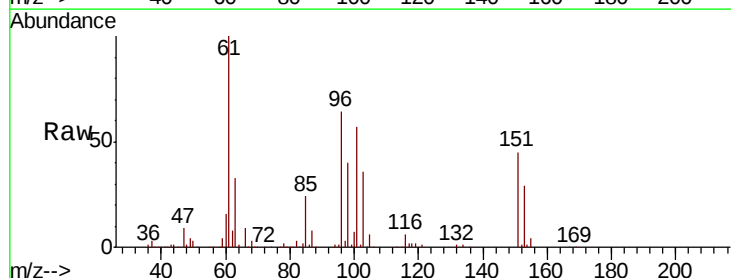
Tgt Ion: 59 Resp: 220891
 Ion Ratio Lower Upper
 59 100
 57 9.9 7.9 11.9

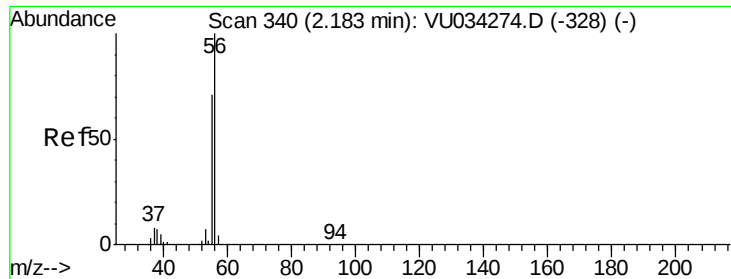


#12

1,1-Dichloroethene
 Concen: 52.375 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Tgt Ion: 96 Resp: 137682
 Ion Ratio Lower Upper
 96 100
 61 157.0 130.0 195.0
 98 62.2 52.2 78.4





#13

Acrolein

Concen: 194.292 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

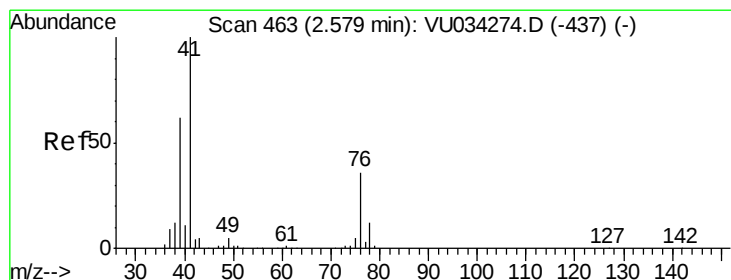
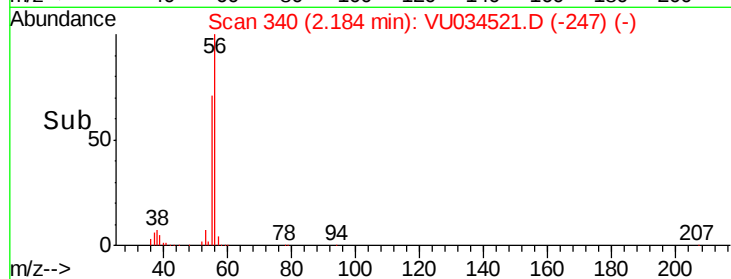
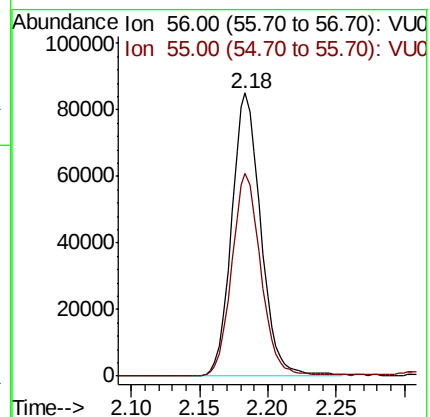
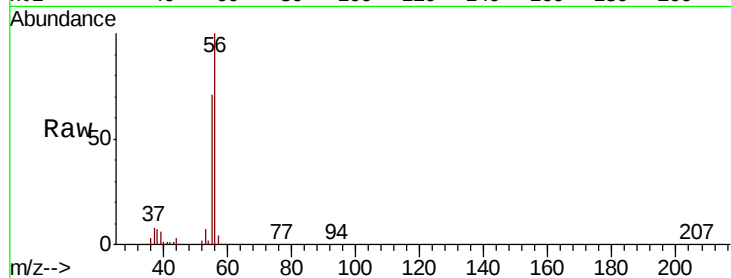
VSTDCCC050

Tgt Ion: 56 Resp: 126120

Ion Ratio Lower Upper

56 100

55 71.1 57.4 86.2



#14

Allyl chloride

Concen: 44.571 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

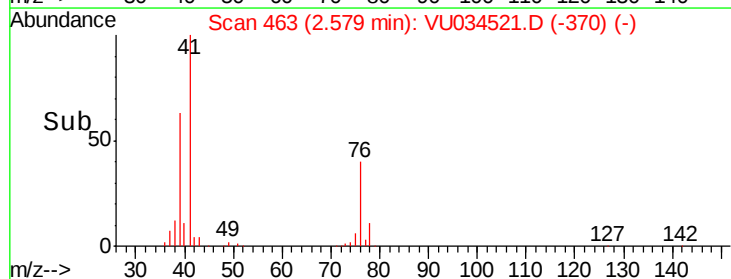
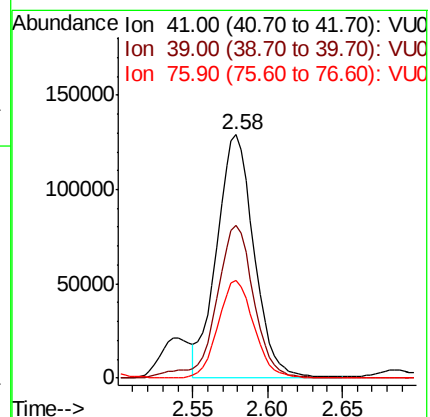
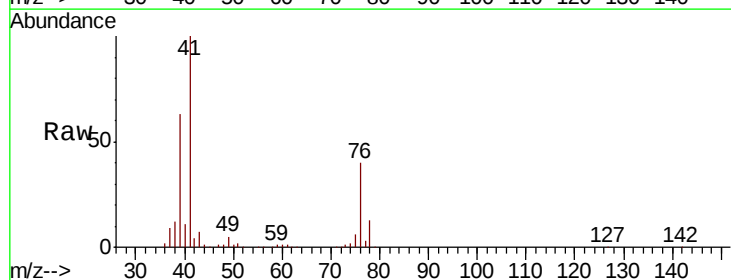
Tgt Ion: 41 Resp: 224001

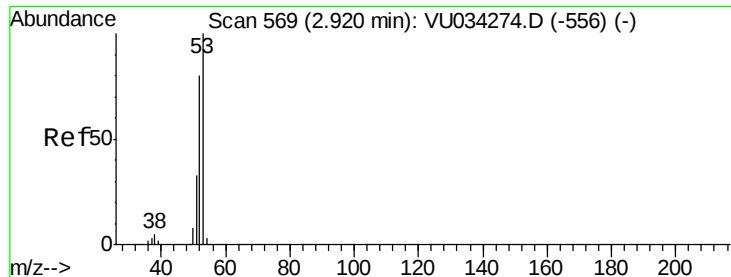
Ion Ratio Lower Upper

41 100

39 63.7 43.5 65.3

76 38.3 27.0 40.6





#15

Acrylonitrile

Concen: 281.813 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

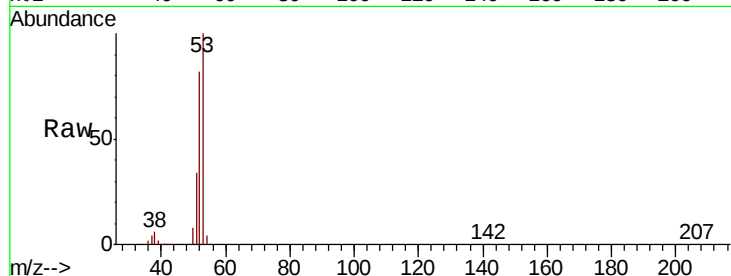
Tgt Ion: 53 Resp: 541997

Ion Ratio Lower Upper

53 100

52 81.4 64.1 96.1

51 34.8 27.4 41.0

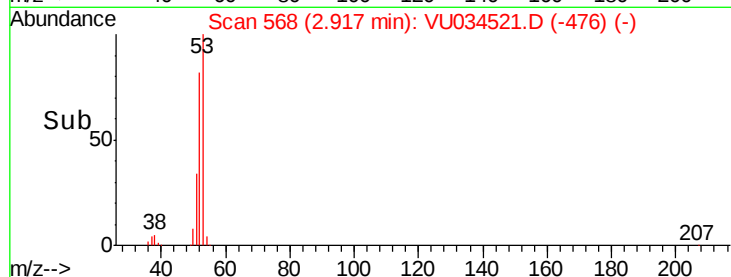


Abundance Ion 53.00 (52.70 to 53.70): VU034274.D (-556) (-)

Ion 52.00 (51.70 to 52.70): VU034274.D (-556) (-)

Ion 51.00 (50.70 to 51.70): VU034274.D (-556) (-)

Time-->

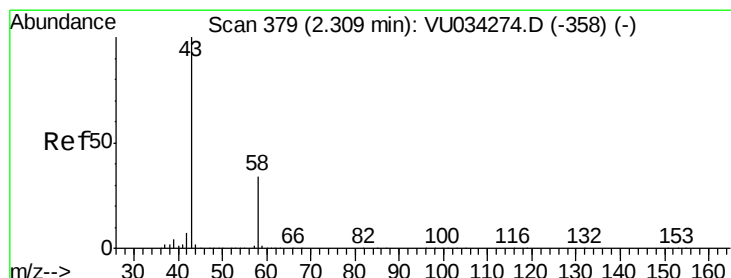


Abundance Ion 53.00 (52.70 to 53.70): VU034521.D (-476) (-)

Ion 52.00 (51.70 to 52.70): VU034521.D (-476) (-)

Ion 51.00 (50.70 to 51.70): VU034521.D (-476) (-)

Time-->



#16

Acetone

Concen: 278.105 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034521.D

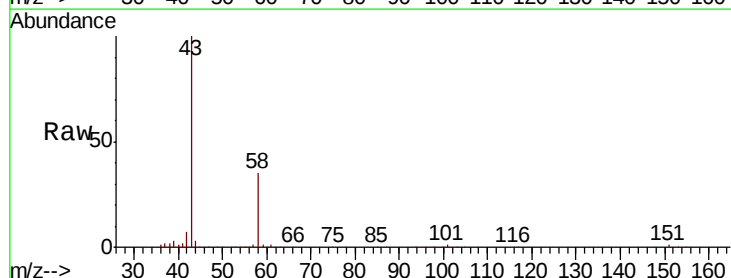
Acq: 12 Sep 2019 15:34

Tgt Ion: 43 Resp: 526122

Ion Ratio Lower Upper

43 100

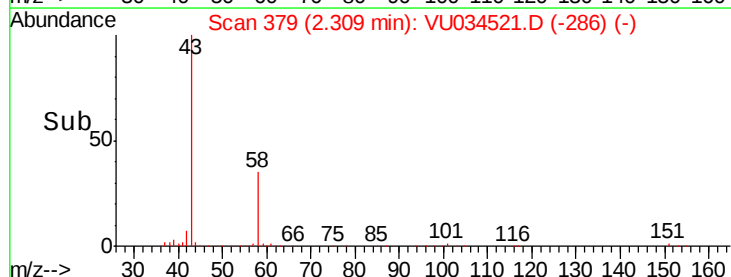
58 35.3 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034274.D (-358) (-)

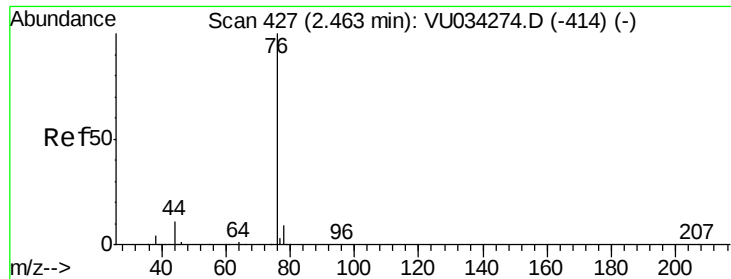
Time-->



Abundance Ion 43.00 (42.70 to 43.70): VU034521.D (-286) (-)

Ion 58.00 (57.70 to 58.70): VU034521.D (-286) (-)

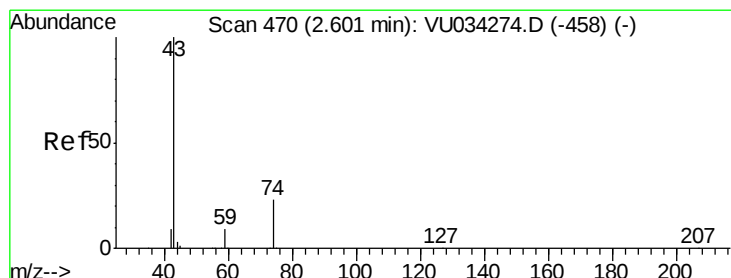
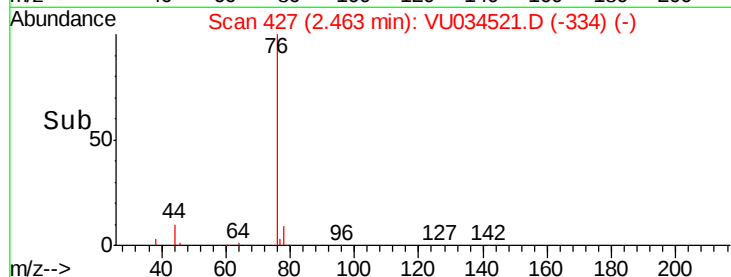
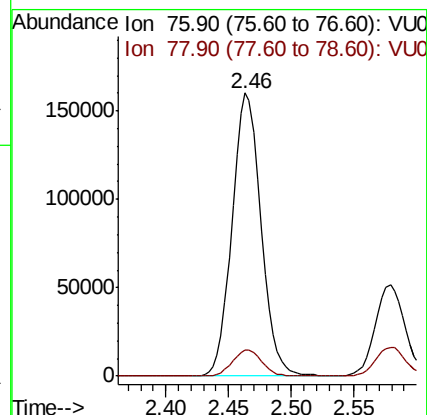
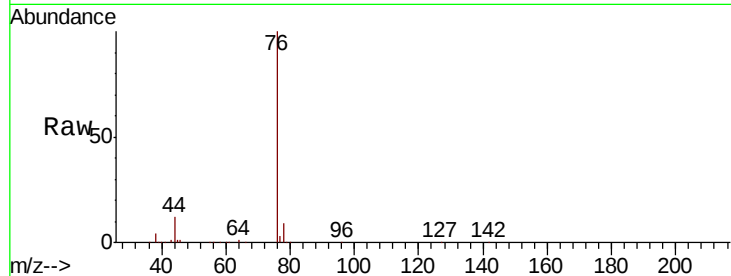
Time-->



#17
Carbon Disulfide
Concen: 43.341 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

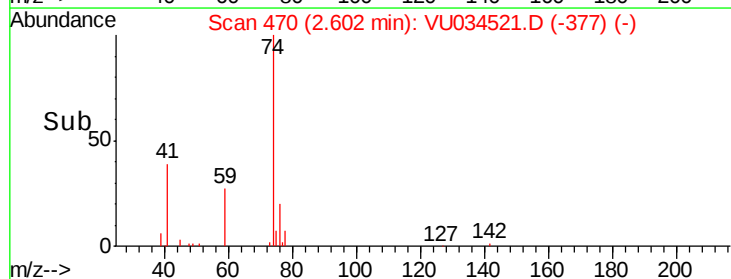
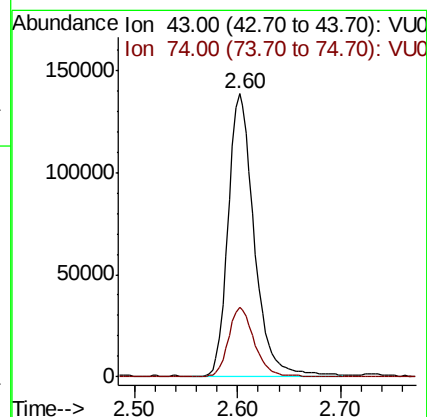
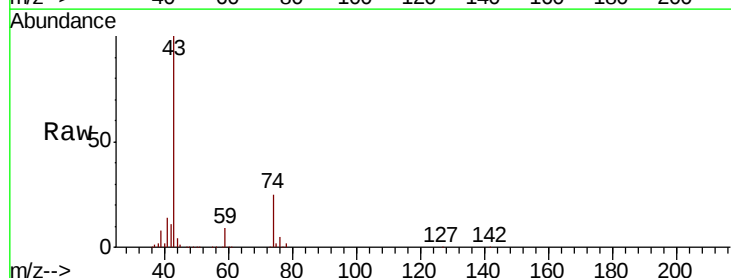
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

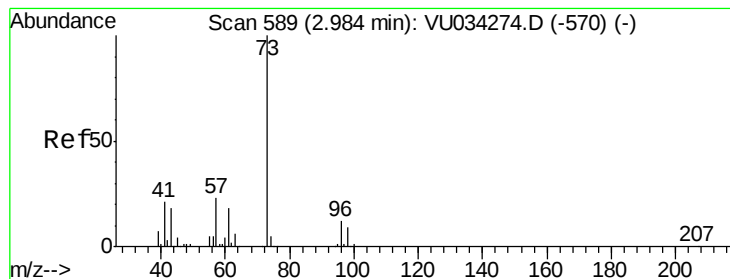
Tgt Ion: 76 Resp: 256071
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#18
Methyl Acetate
Concen: 52.680 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion: 43 Resp: 242501
Ion Ratio Lower Upper
43 100
74 24.8 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 56.976 ug/l

RT: 2.98 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

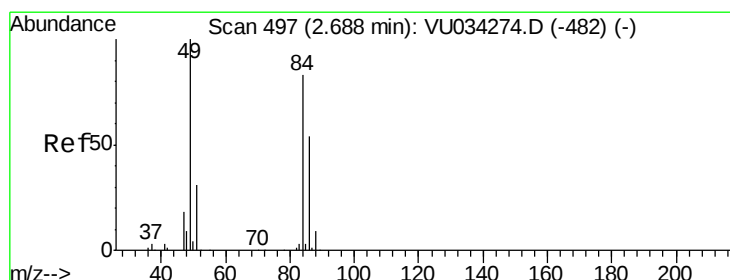
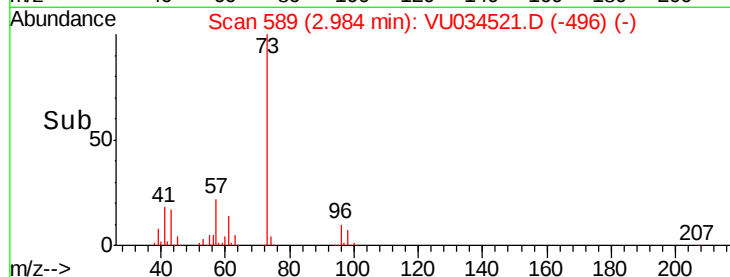
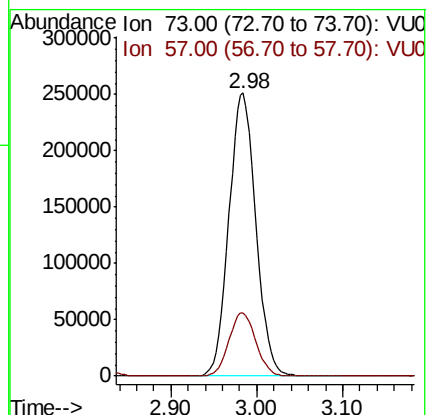
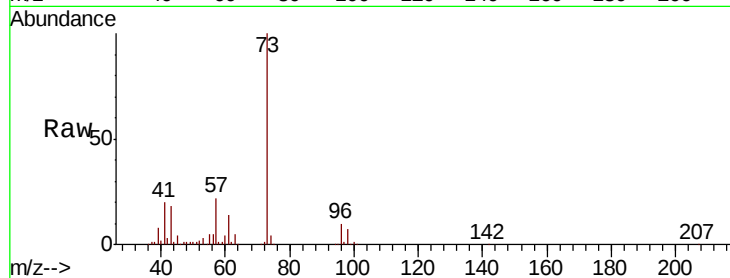
VSTDCCC050

Tgt Ion: 73 Resp: 545925

Ion Ratio Lower Upper

73 100

57 22.5 18.2 27.4



#20

Methylene Chloride

Concen: 57.008 ug/l

RT: 2.69 min Scan# 496

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Tgt Ion: 84 Resp: 176473

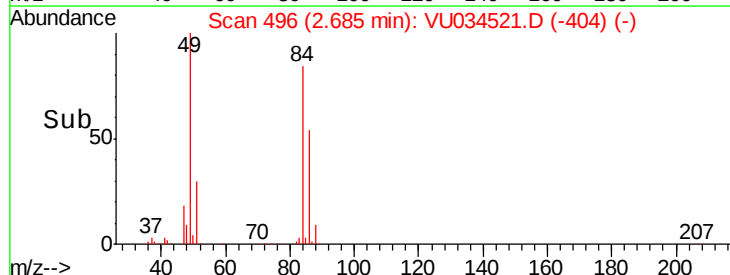
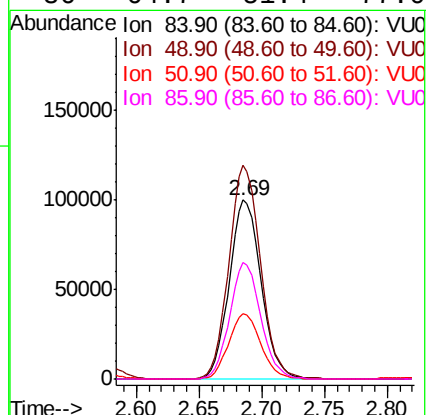
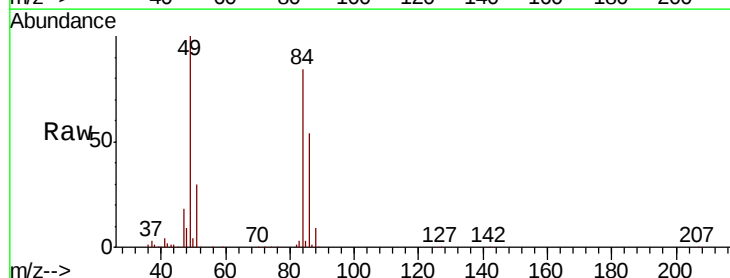
Ion Ratio Lower Upper

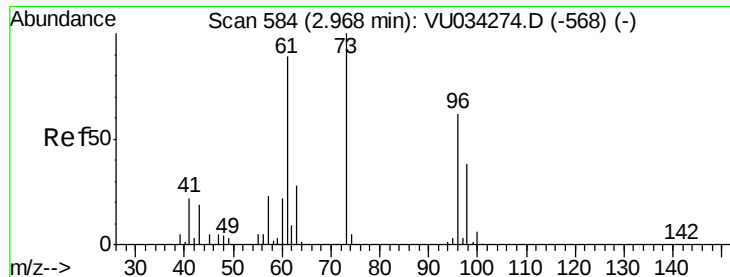
84 100

49 119.3 96.0 144.0

51 36.3 30.0 45.0

86 64.7 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 51.453 ug/l

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

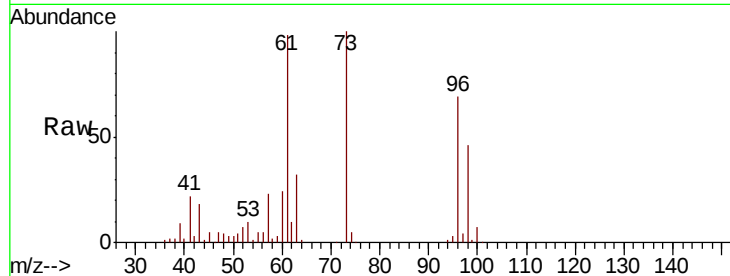
Tgt Ion: 96 Resp: 142537

Ion Ratio Lower Upper

96 100

61 141.7 114.8 172.2

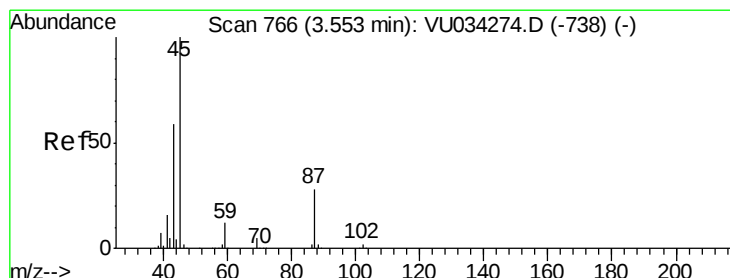
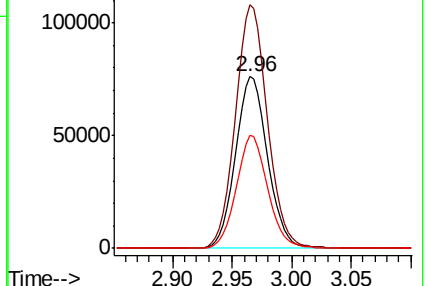
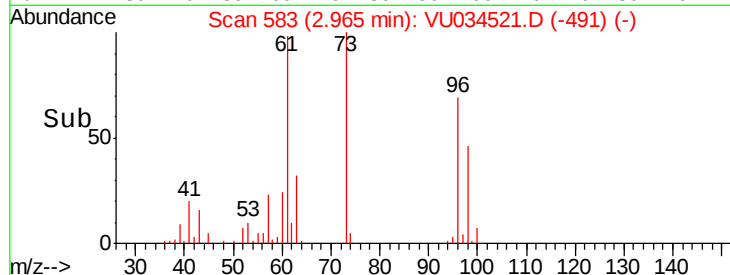
98 65.9 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VU034521.D (-491) (-)

Ion 60.90 (60.60 to 61.60): VU034521.D (-491) (-)

Ion 97.90 (97.60 to 98.60): VU034521.D (-491) (-)



#22

Diisopropyl ether

Concen: 56.581 ug/l

RT: 3.55 min Scan# 765

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Tgt Ion: 45 Resp: 554549

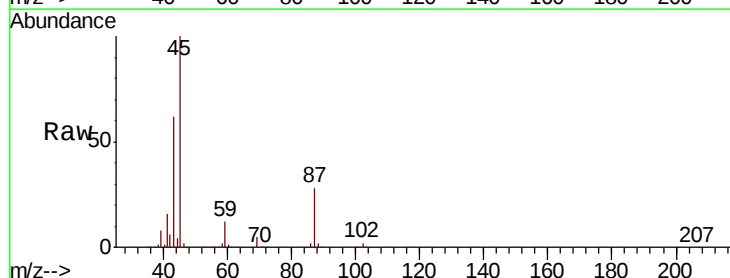
Ion Ratio Lower Upper

45 100

43 61.6 47.5 71.3

87 28.3 22.2 33.4

59 12.3 9.4 14.2

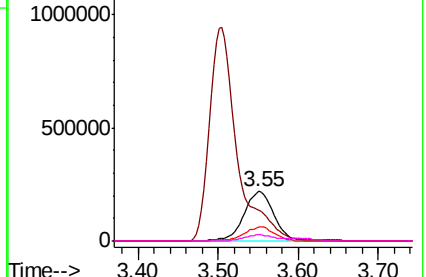
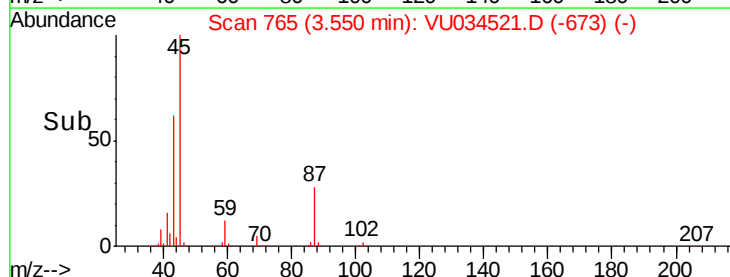


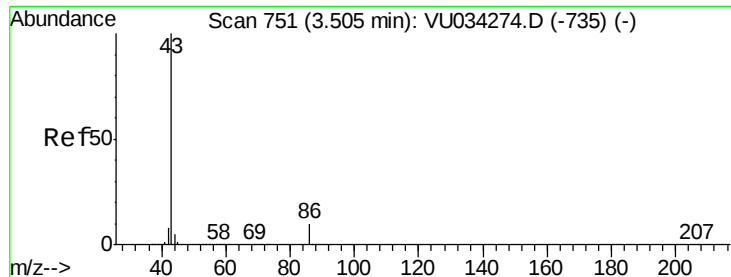
Abundance Ion 45.00 (44.70 to 45.70): VU034521.D (-673) (-)

Ion 43.00 (42.70 to 43.70): VU034521.D (-673) (-)

Ion 87.00 (86.70 to 87.70): VU034521.D (-673) (-)

Ion 59.00 (58.70 to 59.70): VU034521.D (-673) (-)





#23

Vinyl Acetate

Concen: 284.201 ug/l

RT: 3.51 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

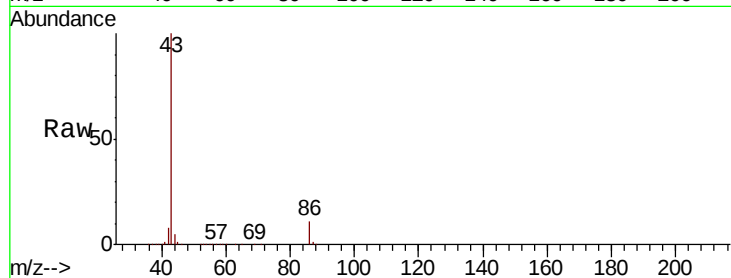
VSTDCCC050

Tgt Ion: 43 Resp: 2268898

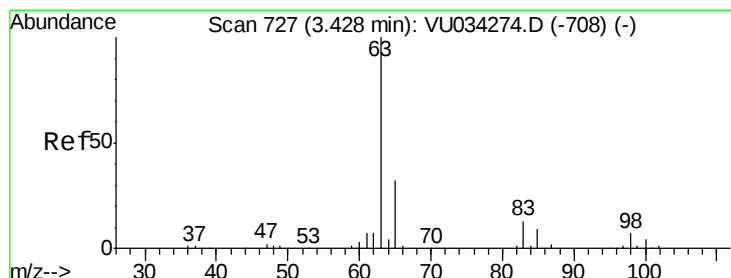
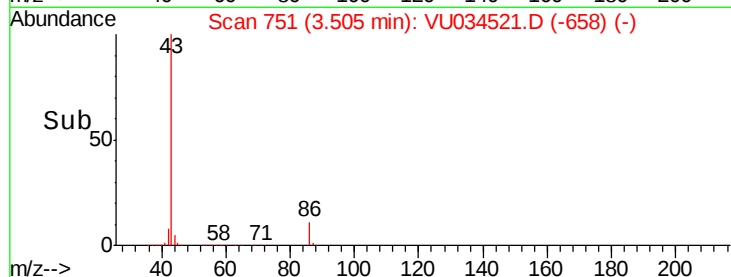
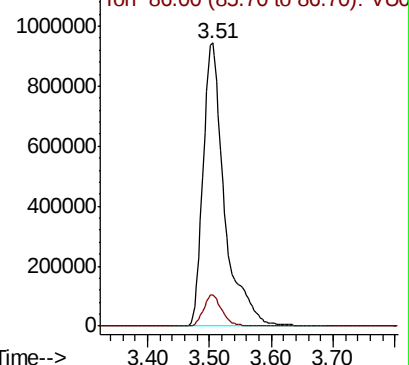
Ion Ratio Lower Upper

43 100

86 11.2 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VU034521.D (-658) (-)



#24

1,1-Dichloroethane

Concen: 53.055 ug/l

RT: 3.42 min Scan# 726

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

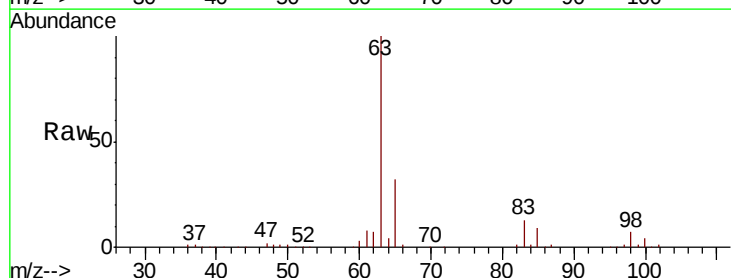
Tgt Ion: 63 Resp: 310531

Ion Ratio Lower Upper

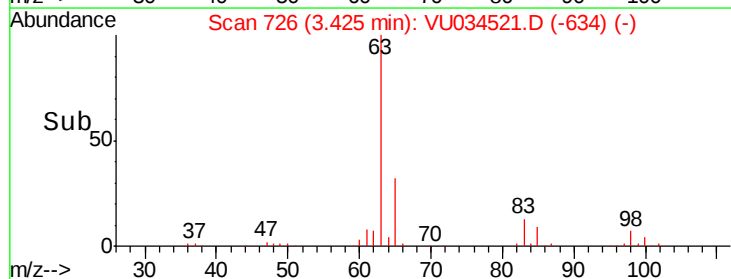
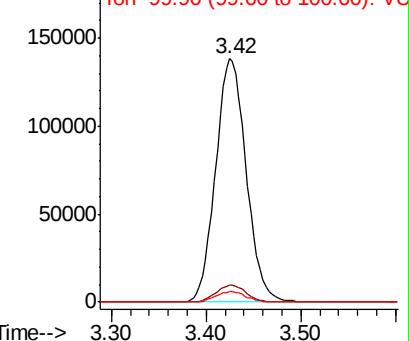
63 100

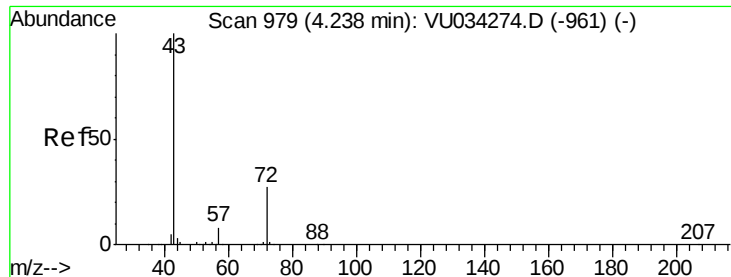
98 6.9 3.5 10.4

100 4.2 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU034521.D (-634) (-)





#25

2-Butanone

Concen: 287.926 ug/l

RT: 4.23 min Scan# 978

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

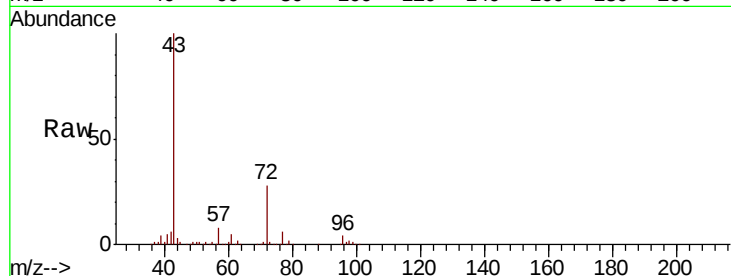
VSTDCCC050

Tgt Ion: 43 Resp: 727104

Ion Ratio Lower Upper

43 100

72 27.6 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-961) (-)

Ion 72.00 (71.70 to 72.70): VU034274.D (-961) (-)

4.23

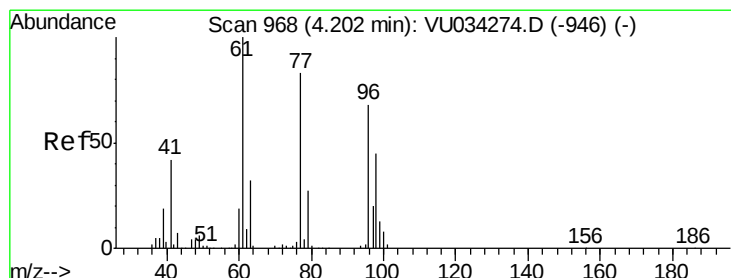
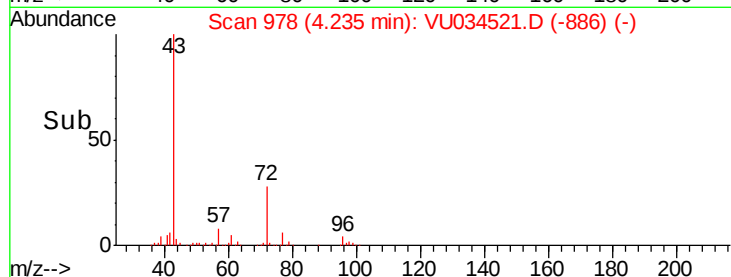
300000

200000

100000

0

Time--> 4.10 4.20 4.30



#26

2,2-Dichloropropane

Concen: 56.104 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034521.D

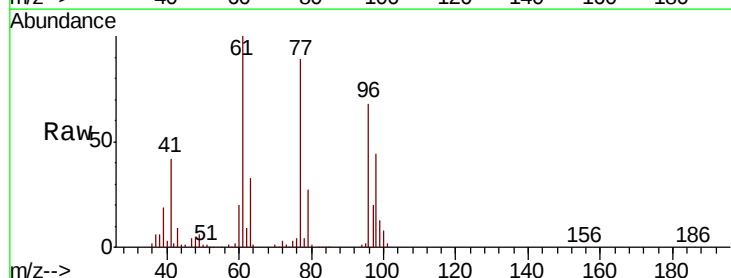
Acq: 12 Sep 2019 15:34

Tgt Ion: 77 Resp: 264105

Ion Ratio Lower Upper

77 100

97 23.3 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VU034274.D (-946) (-)

Ion 96.90 (96.60 to 97.60): VU034274.D (-946) (-)

4.20

100000

80000

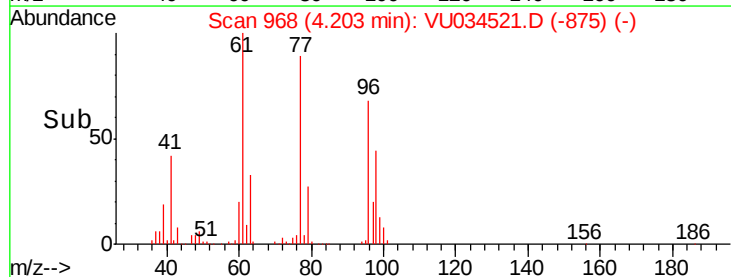
60000

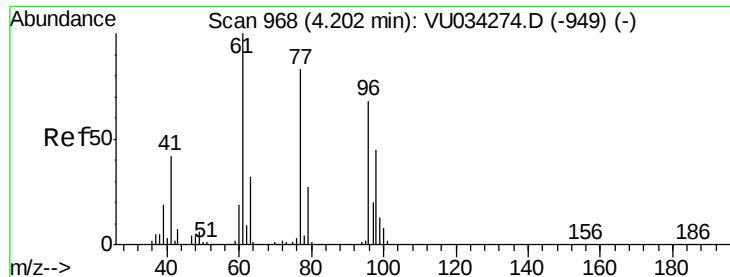
40000

20000

0

Time--> 4.10 4.20 4.30



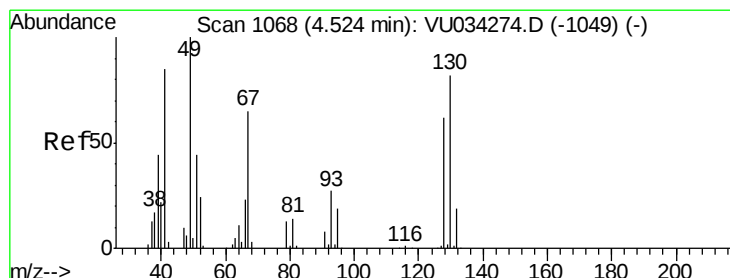
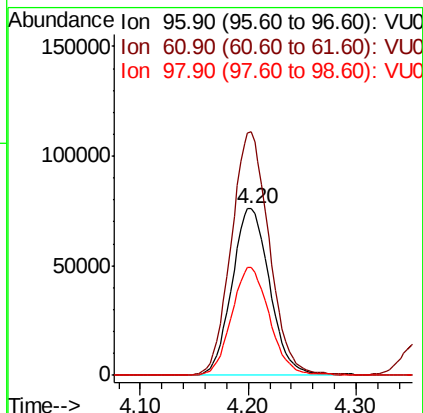
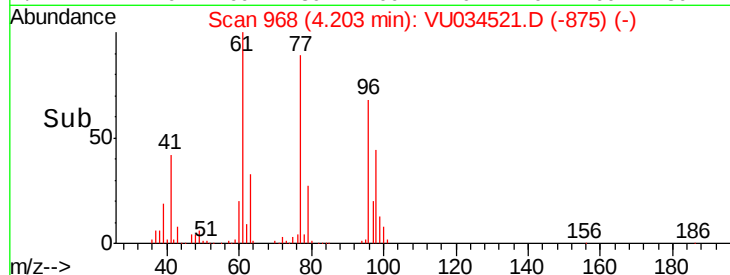
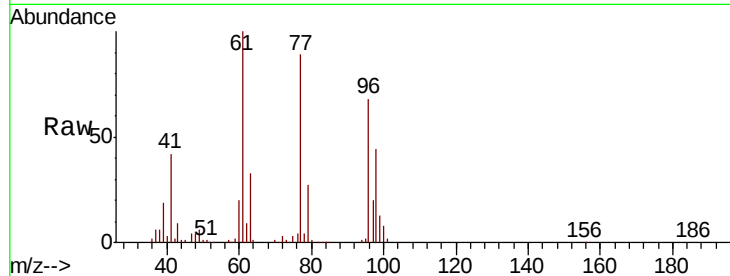


#27

cis-1,2-Dichloroethene
 Concen: 55.264 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

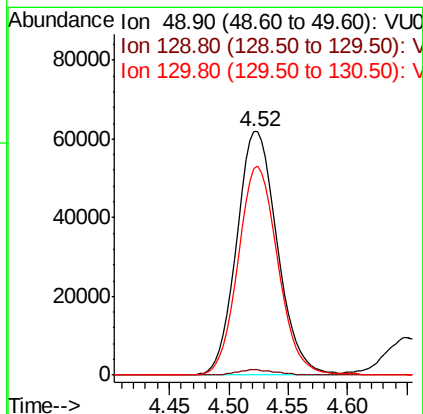
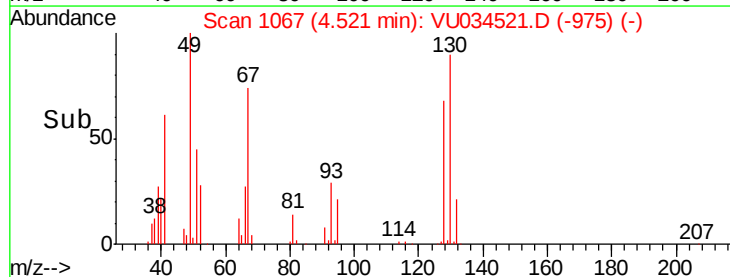
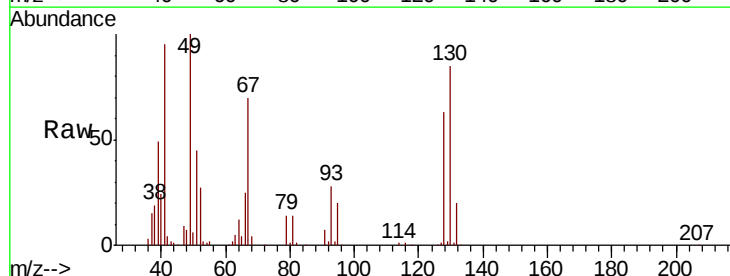
Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.6	0.0	297.4
98	64.6	0.0	130.0

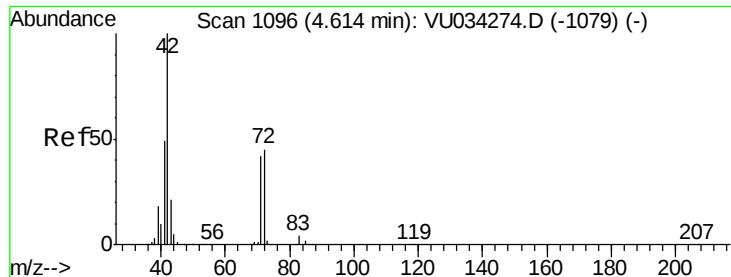


#28

Bromochloromethane
 Concen: 54.614 ug/l
 RT: 4.52 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	84.0	65.2	97.8





#29

Tetrahydrofuran

Concen: 277.487 ug/l

RT: 4.61 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

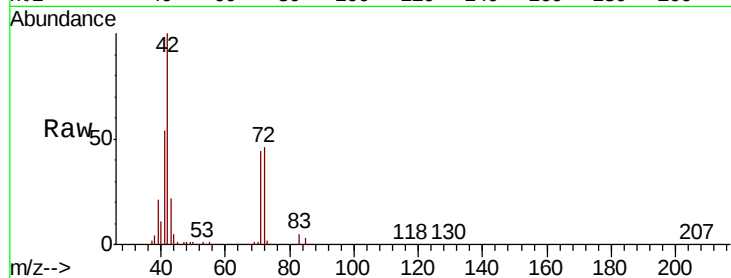
Tgt Ion: 42 Resp: 426406

Ion Ratio Lower Upper

42 100

72 46.0 36.6 54.8

71 43.4 34.3 51.5

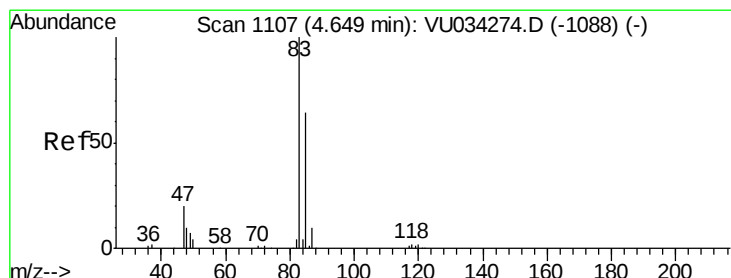
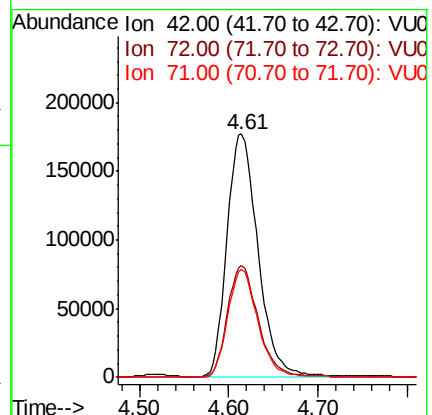
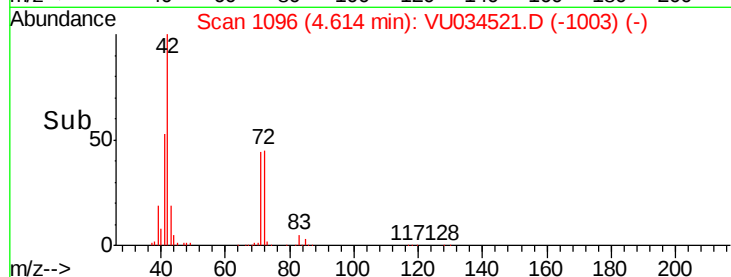


Abundance Ion 42.00 (41.70 to 42.70): VU034274.D (-1079) (-)

Ion 72.00 (71.70 to 72.70): VU034274.D (-1079) (-)

Ion 71.00 (70.70 to 71.70): VU034274.D (-1079) (-)

Time-->



#30

Chloroform

Concen: 53.642 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU034521.D

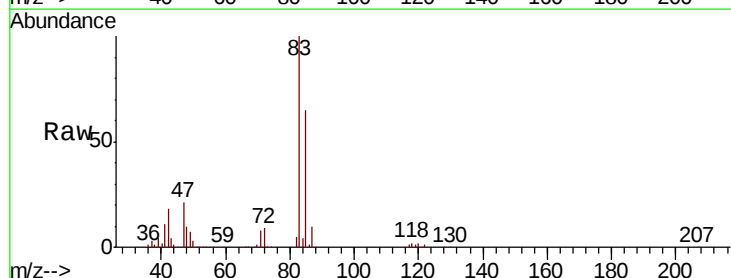
Acq: 12 Sep 2019 15:34

Tgt Ion: 83 Resp: 319137

Ion Ratio Lower Upper

83 100

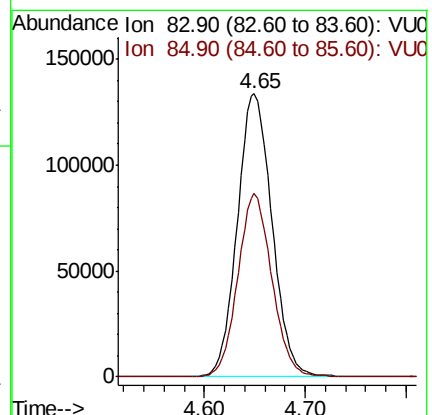
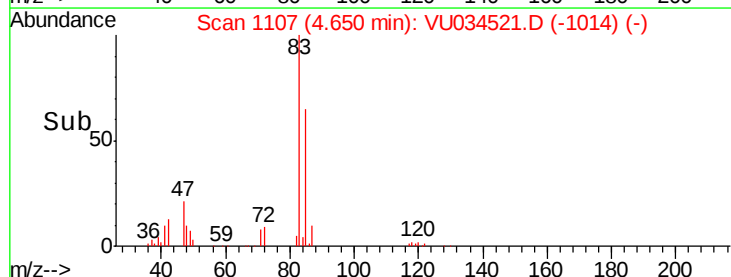
85 64.6 51.5 77.3

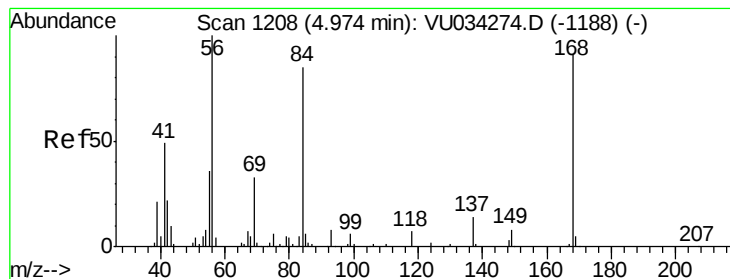


Abundance Ion 82.90 (82.60 to 83.60): VU034274.D (-1088) (-)

Ion 84.90 (84.60 to 85.60): VU034274.D (-1088) (-)

Time-->





#31

Cyclohexane

Concen: 49.889 ug/l

RT: 4.97 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

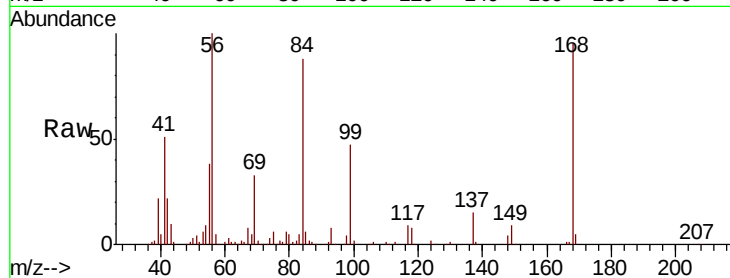
Tgt Ion: 56 Resp: 213624

Ion Ratio Lower Upper

56 100

69 33.1 26.7 40.1

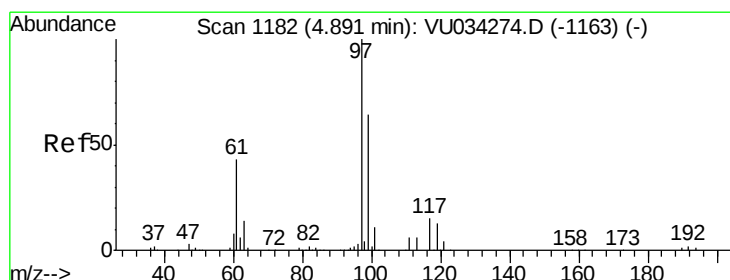
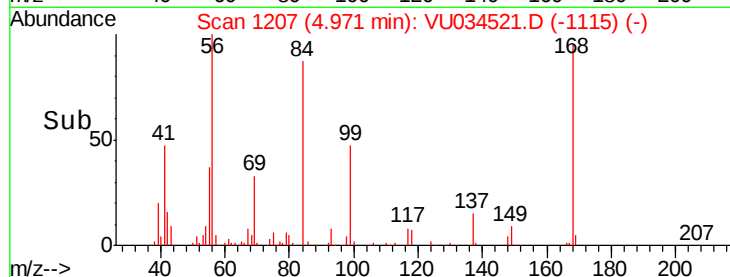
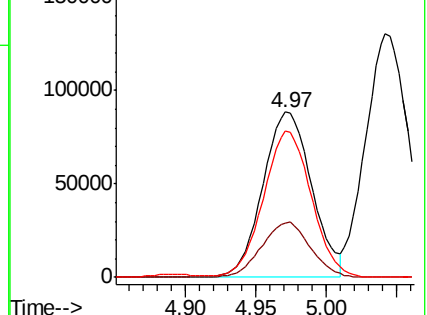
84 87.1 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VU034521.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034521.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034521.D (-1188) (-)



#32

1,1,1-Trichloroethane

Concen: 54.529 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

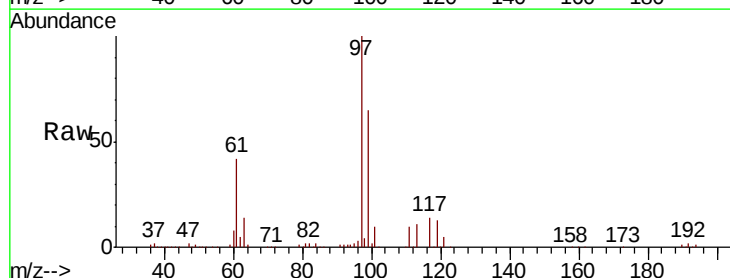
Tgt Ion: 97 Resp: 259377

Ion Ratio Lower Upper

97 100

99 64.5 50.9 76.3

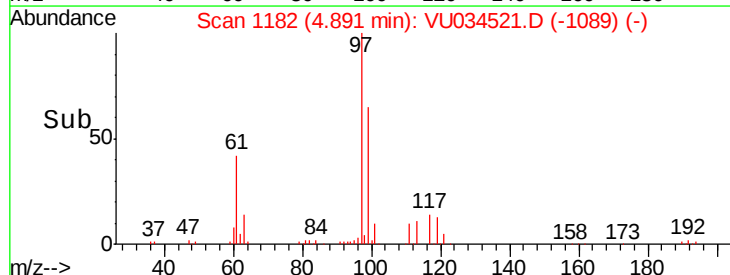
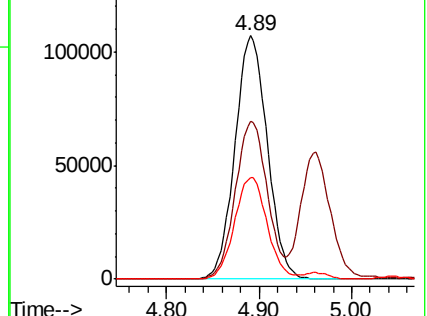
61 42.1 34.7 52.1

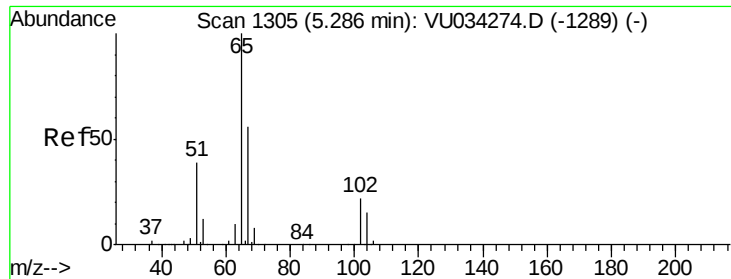


Abundance Ion 96.90 (96.60 to 97.60): VU034521.D (-1089) (-)

Ion 98.90 (98.60 to 99.60): VU034521.D (-1089) (-)

Ion 60.90 (60.60 to 61.60): VU034521.D (-1089) (-)

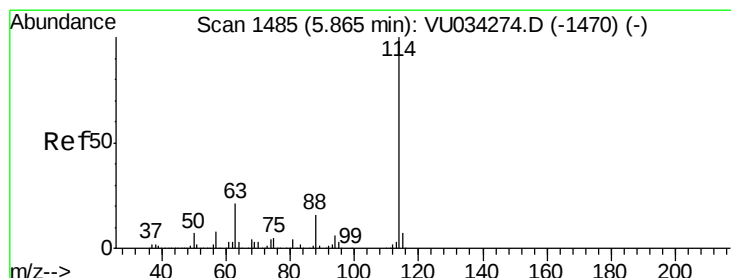
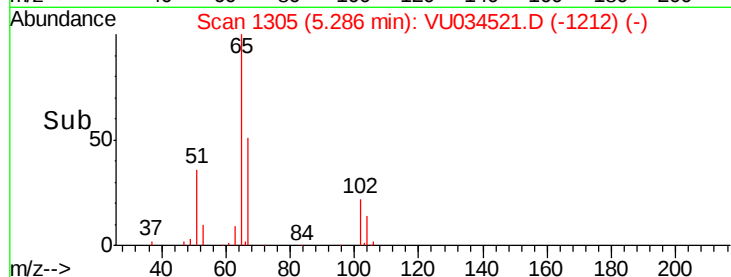
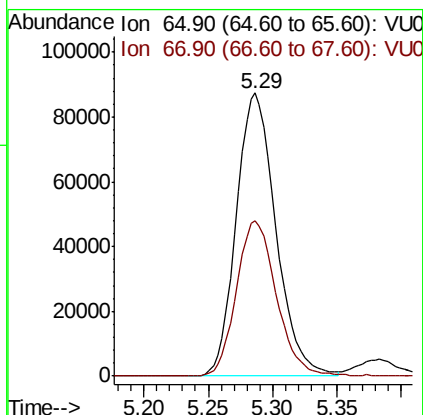
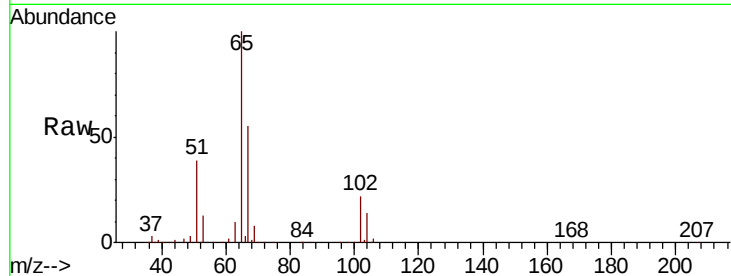




#33
 1,2-Dichloroethane-d4
 Concen: 51.164 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

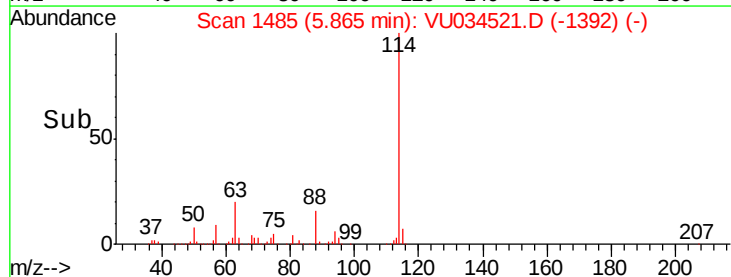
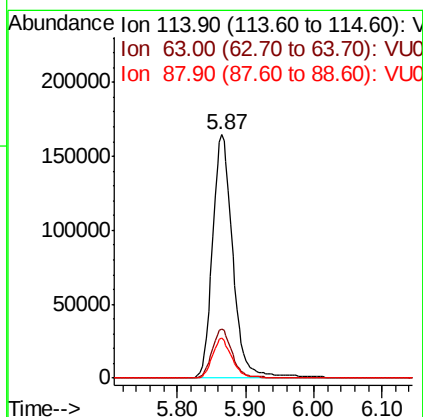
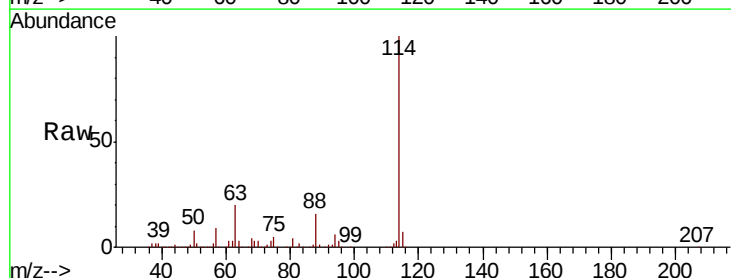
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

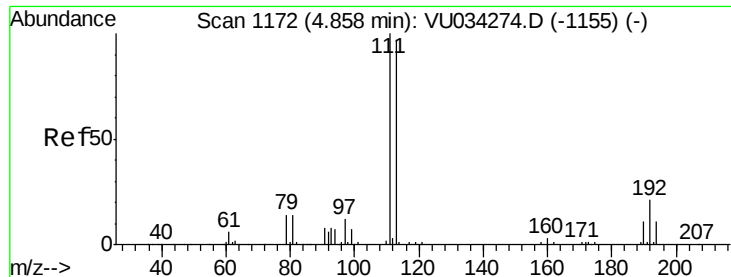
Tgt Ion: 65 Resp: 187042
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Tgt Ion: 114 Resp: 341017
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.4
 88 16.3 0.0 32.4

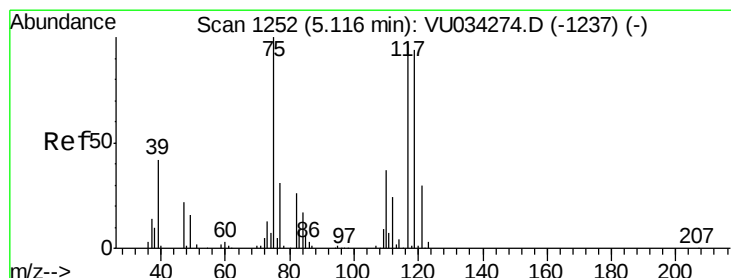
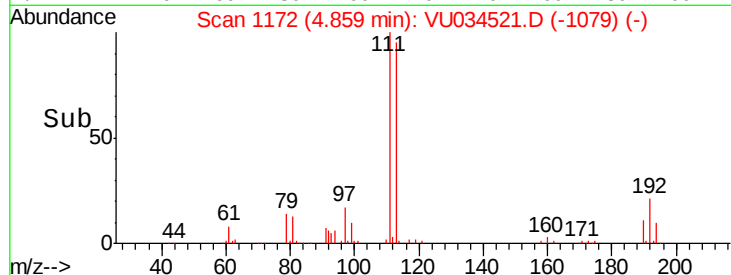
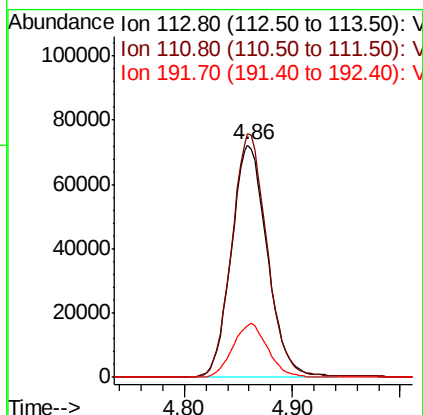
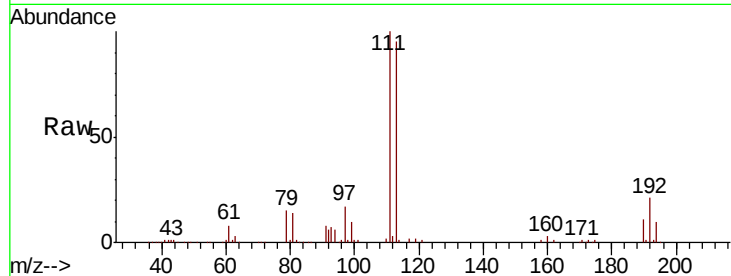




#35
 Dibromofluoromethane
 Concen: 52.959 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

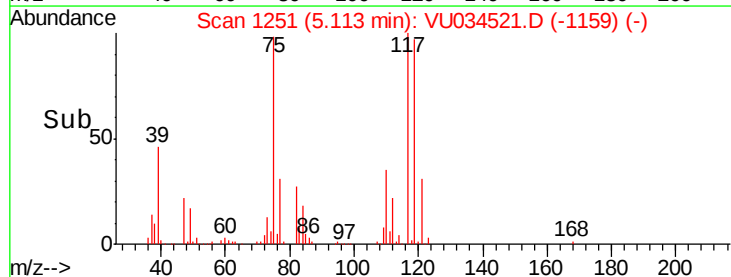
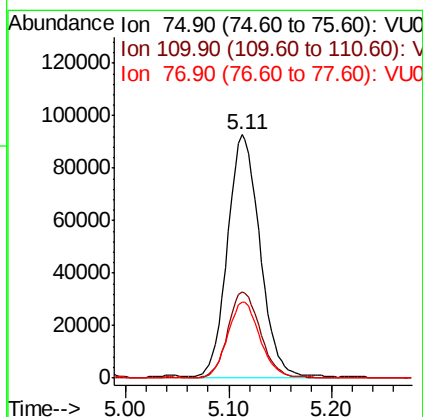
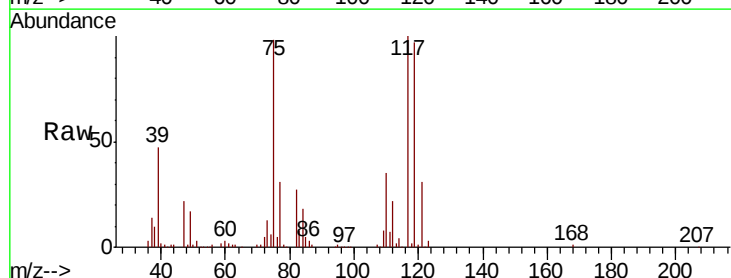
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

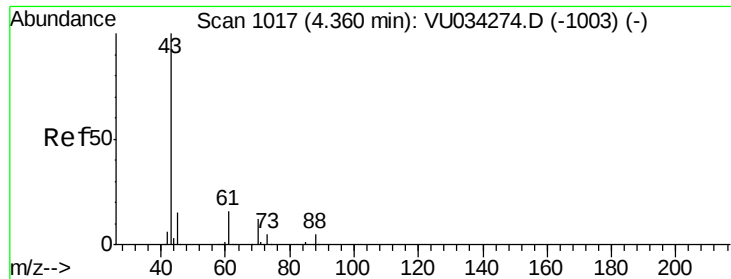
Tgt Ion: 113 Resp: 168048
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.5 122.3
 192 22.6 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 54.690 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Tgt Ion: 75 Resp: 202265
 Ion Ratio Lower Upper
 75 100
 110 35.9 18.3 54.9
 77 31.4 24.9 37.3

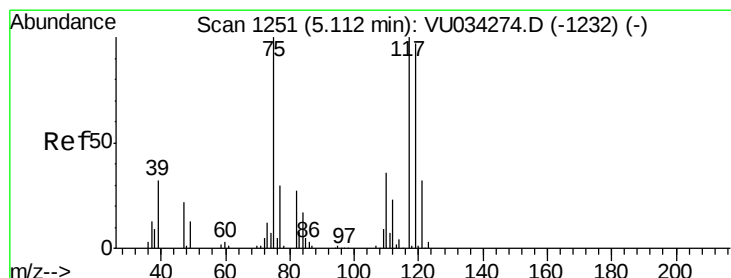
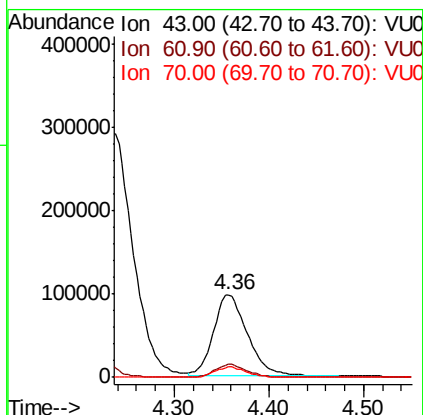
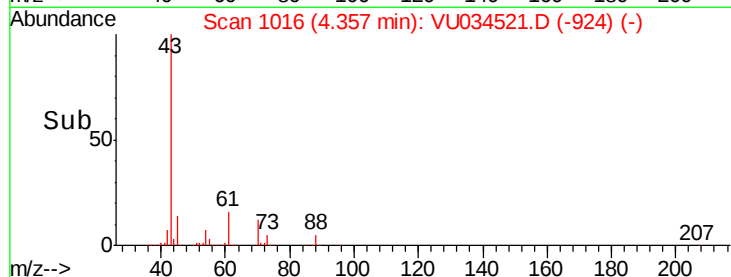
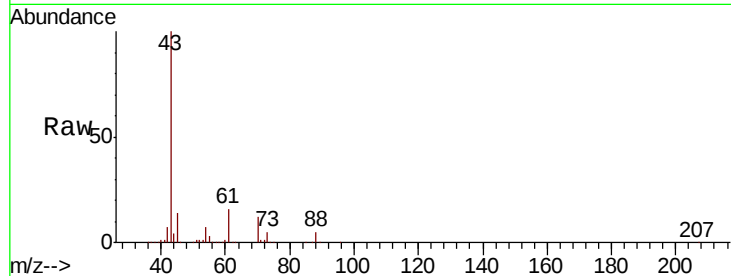




#37
Ethyl Acetate
Concen: 55.999 ug/l
RT: 4.36 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

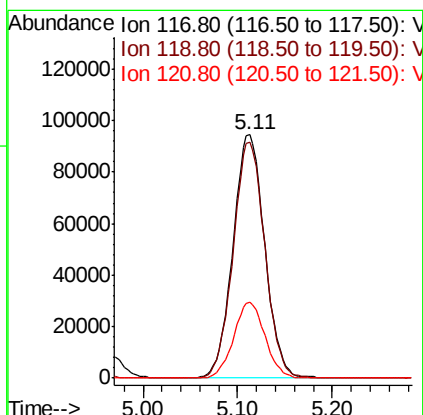
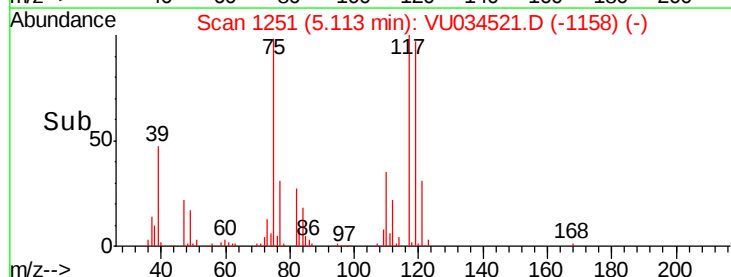
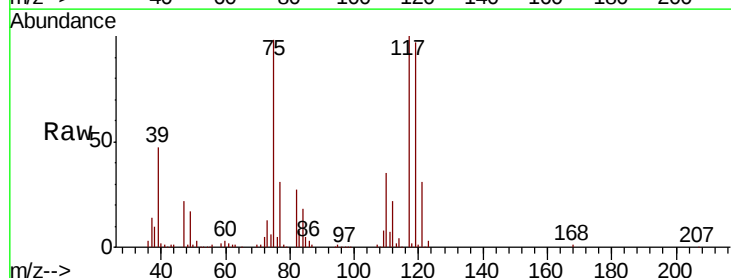
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

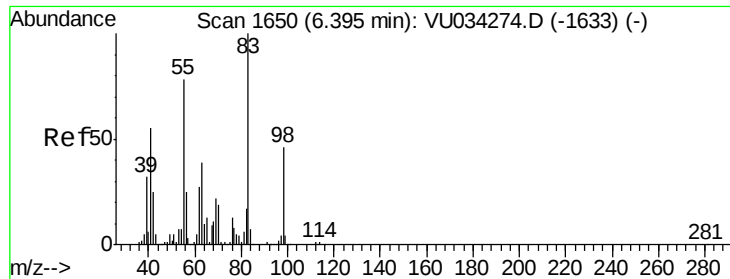
Tgt Ion: 43 Resp: 244863
Ion Ratio Lower Upper
43 100
61 14.4 12.3 18.5
70 11.8 9.1 13.7



#38
Carbon Tetrachloride
Concen: 55.751 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion: 117 Resp: 220151
Ion Ratio Lower Upper
117 100
119 96.9 77.8 116.6
121 31.0 25.2 37.8

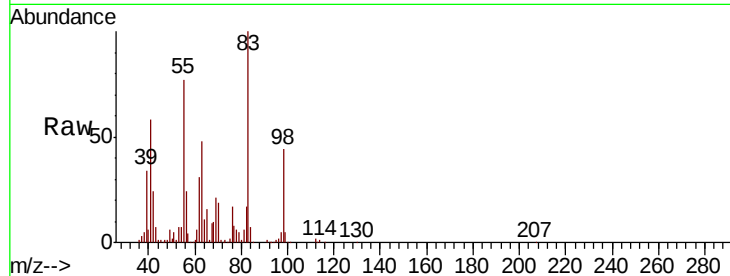




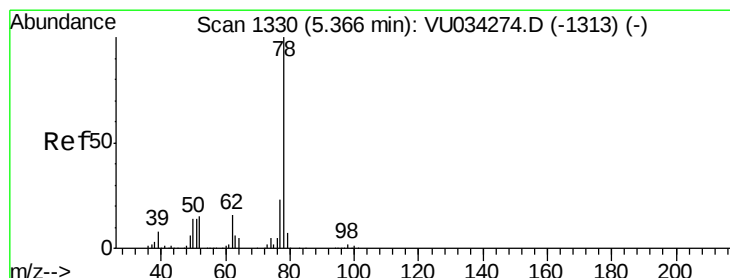
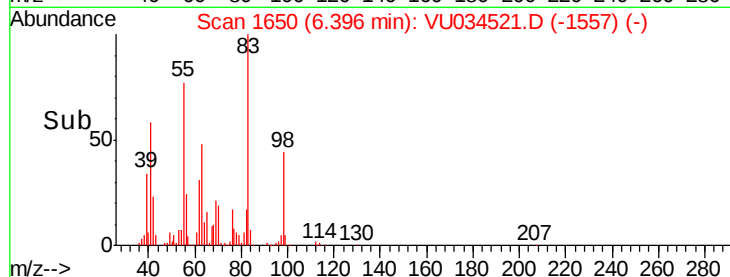
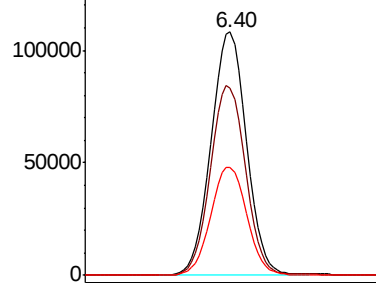
#39
Methylcyclohexane
Concen: 54.868 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 216923
Ion Ratio Lower Upper
83 100
55 76.9 62.1 93.1
98 44.4 37.0 55.6

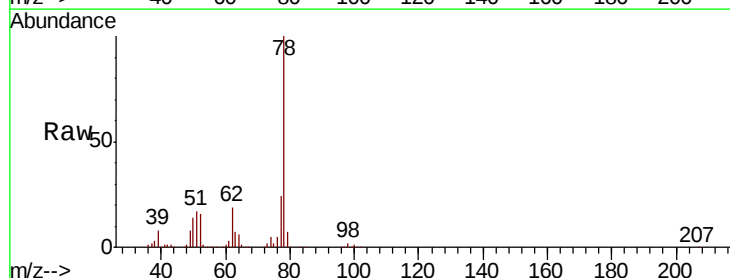


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

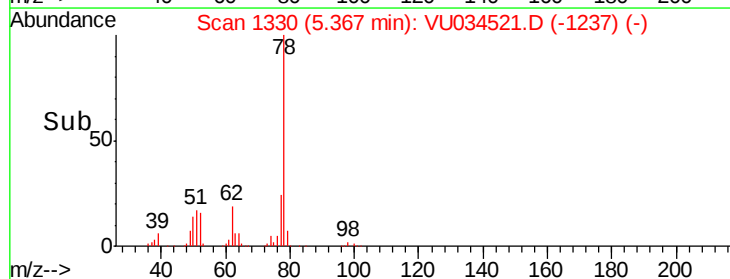
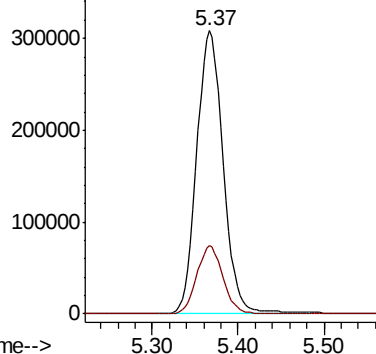


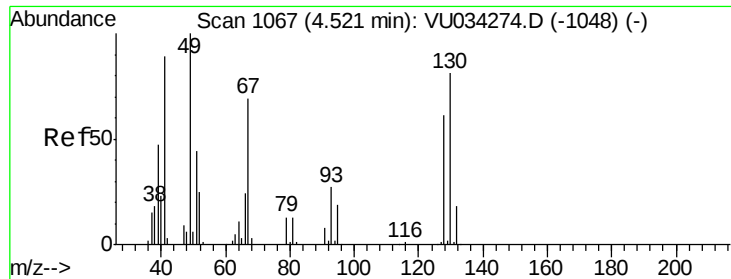
#40
Benzene
Concen: 55.324 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion: 78 Resp: 660225
Ion Ratio Lower Upper
78 100
77 24.2 18.7 28.1



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

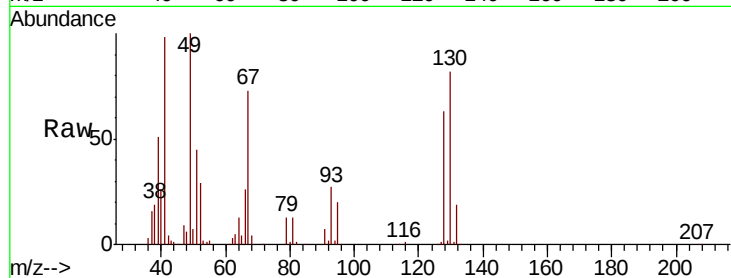




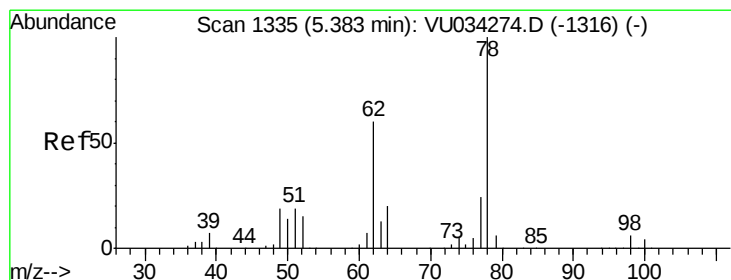
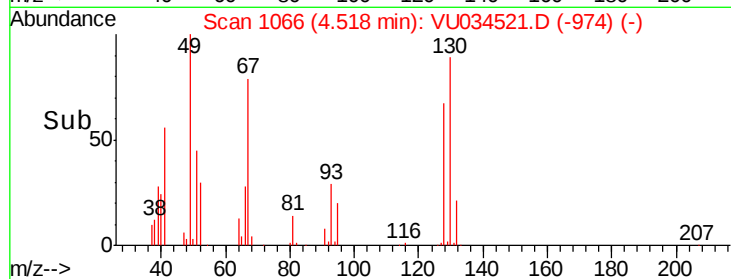
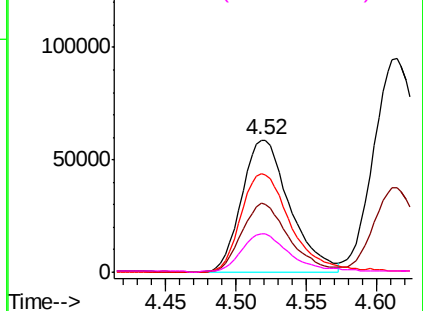
#41
Methacrylonitrile
Concen: 59.997 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	139742
Ion	Ratio	Lower	Upper
41	100		
39	51.3	41.0	61.4
67	78.8	62.4	93.6
52	29.5	23.6	35.4

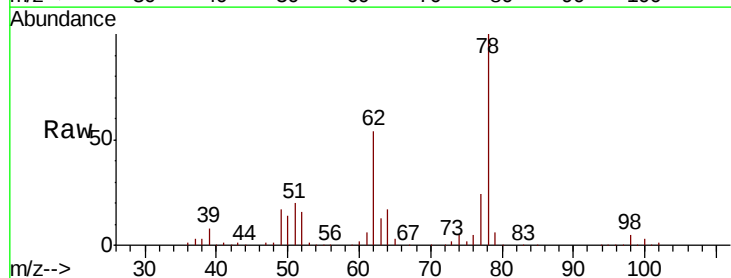


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

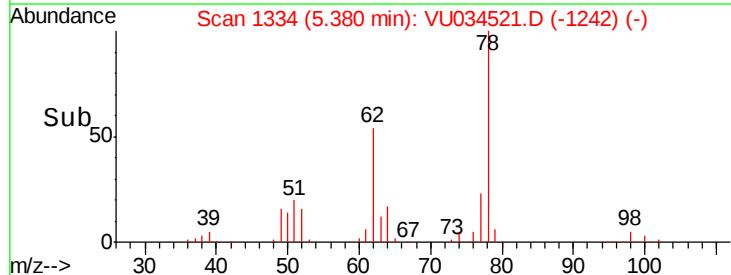
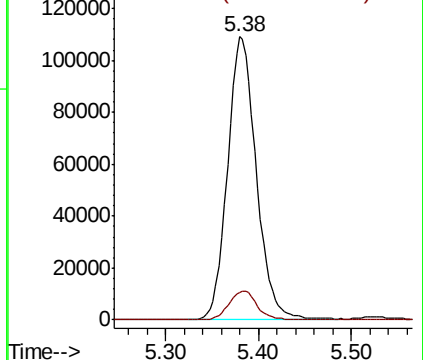


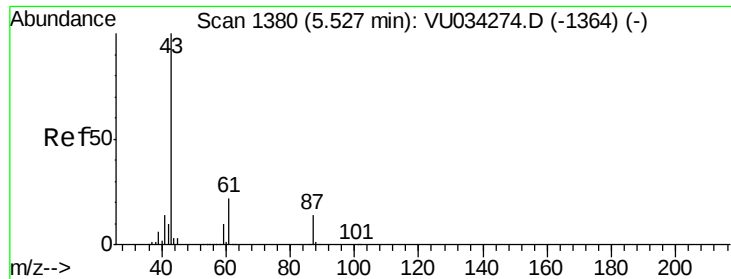
#42
1,2-Dichloroethane
Concen: 56.593 ug/l
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion:	62	Resp:	234482
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.0



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





#43

Isopropyl Acetate

Concen: 56.613 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

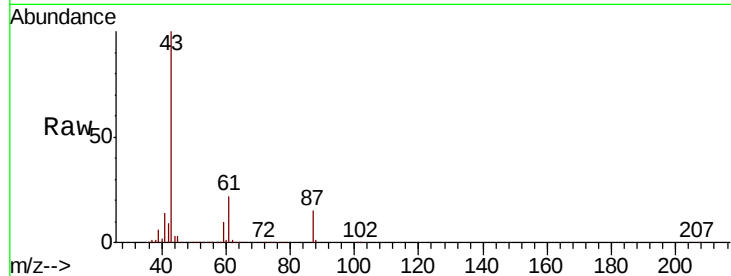
Tgt Ion: 43 Resp: 386178

Ion Ratio Lower Upper

43 100

61 22.2 17.1 25.7

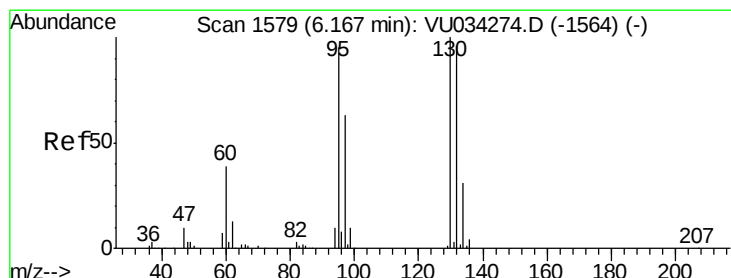
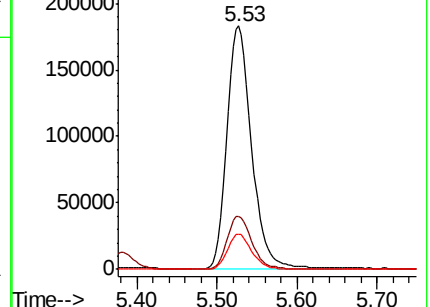
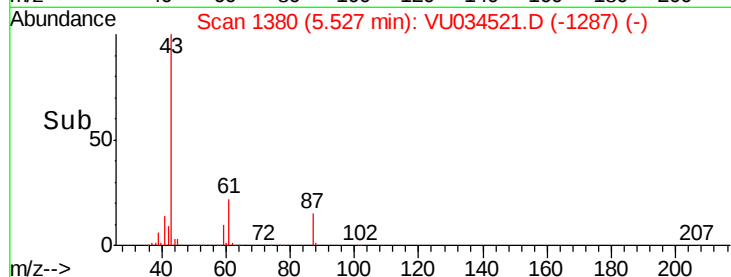
87 14.3 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VU034521.D (-1287) (-)

Ion 61.00 (60.70 to 61.70): VU034521.D (-1287) (-)

Ion 87.00 (86.70 to 87.70): VU034521.D (-1287) (-)



#44

Trichloroethene

Concen: 55.380 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034521.D

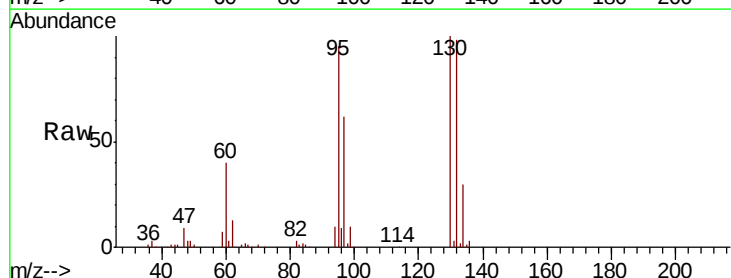
Acq: 12 Sep 2019 15:34

Tgt Ion: 130 Resp: 182882

Ion Ratio Lower Upper

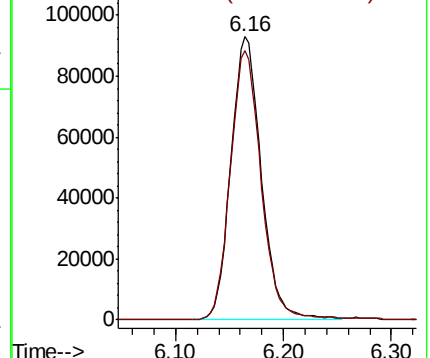
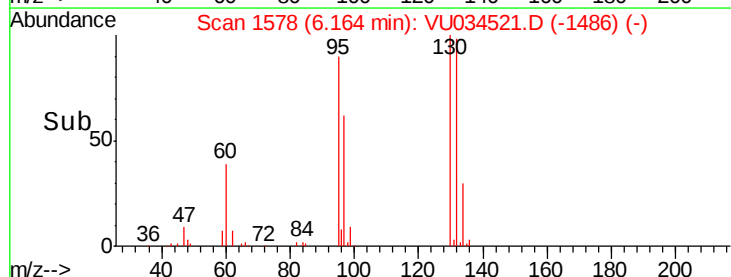
130 100

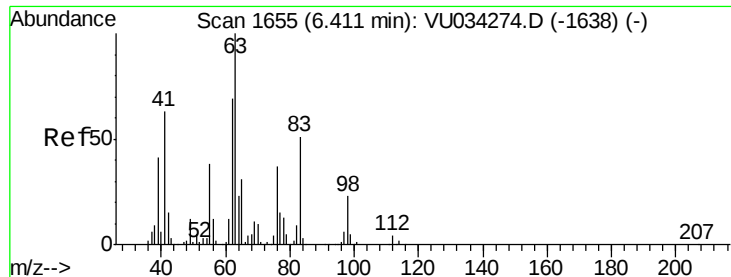
95 95.3 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): VU034521.D (-1486) (-)

Ion 94.90 (94.60 to 95.60): VU034521.D (-1486) (-)

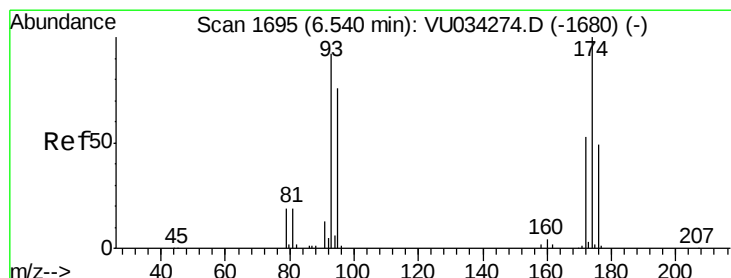
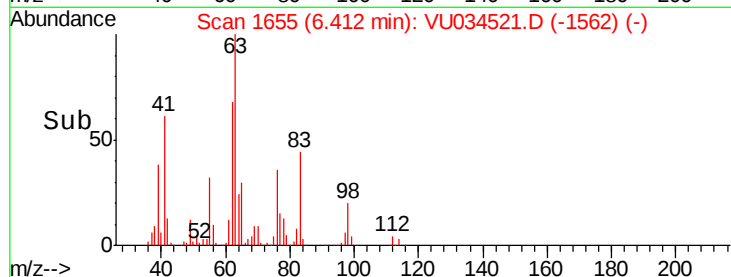
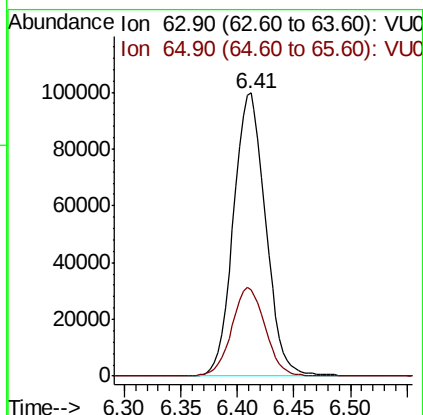
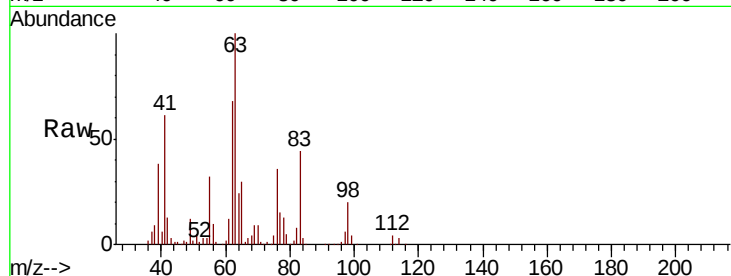




#45
 1,2-Dichloropropane
 Concen: 56.665 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

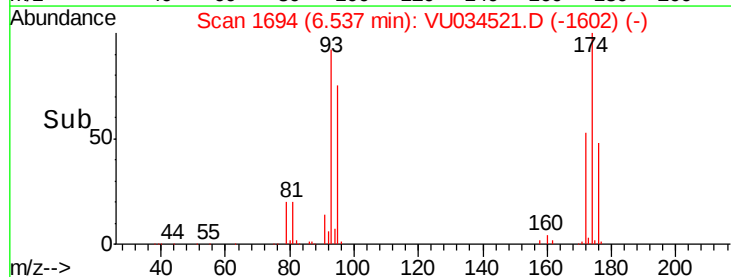
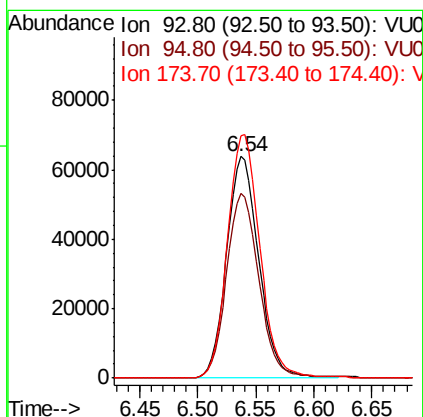
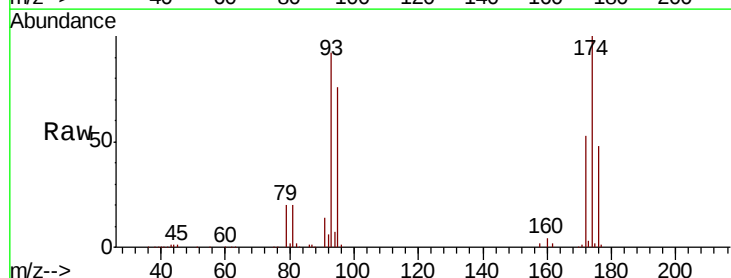
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

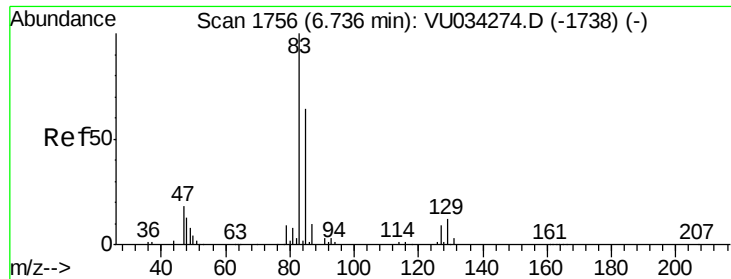
Tgt Ion: 63 Resp: 197687
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.6 37.0



#46
 Dibromomethane
 Concen: 56.301 ug/l
 RT: 6.54 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Tgt Ion: 93 Resp: 123292
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.5 99.7
 174 110.5 87.8 131.6

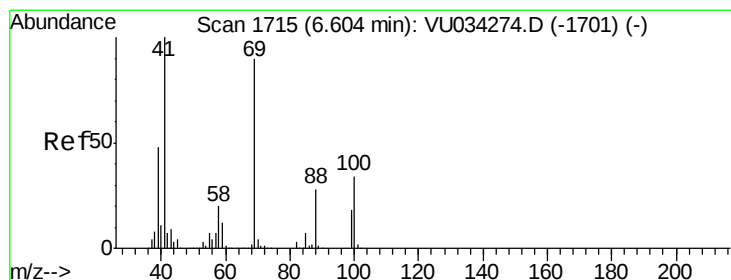
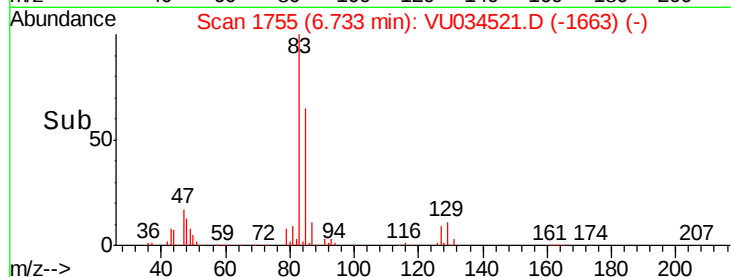
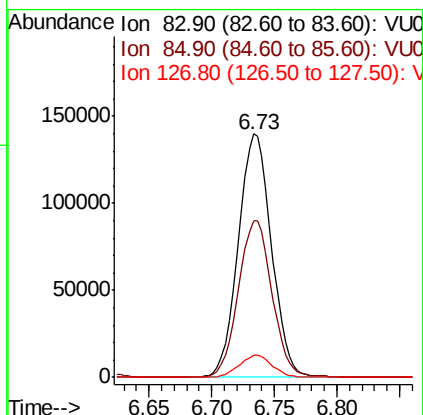
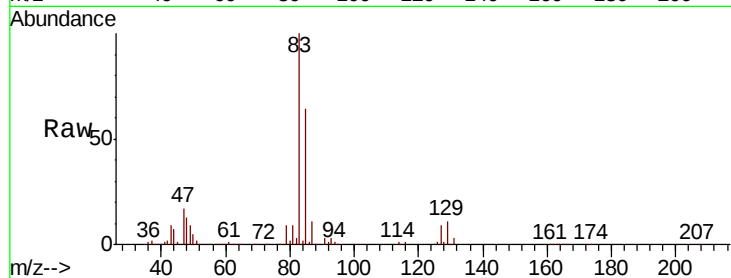




#47
 Bromodichloromethane
 Concen: 57.257 ug/l
 RT: 6.73 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

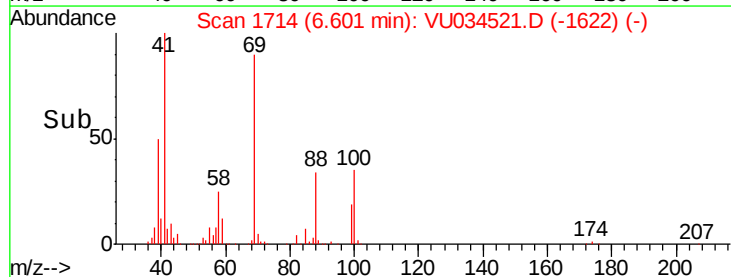
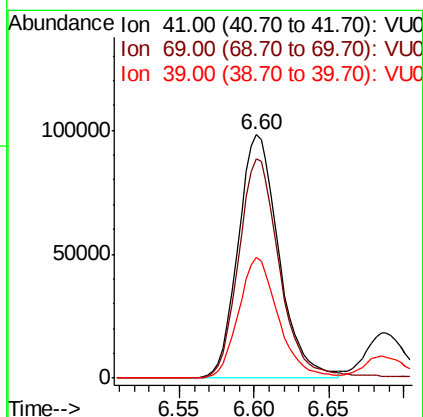
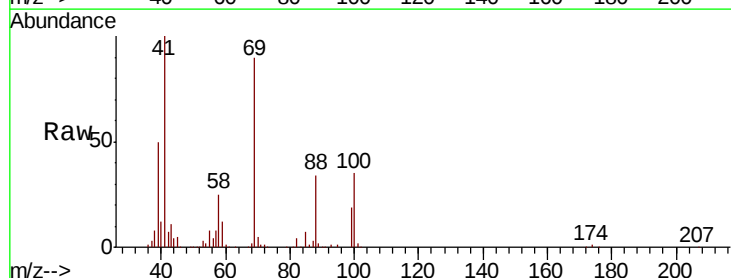
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

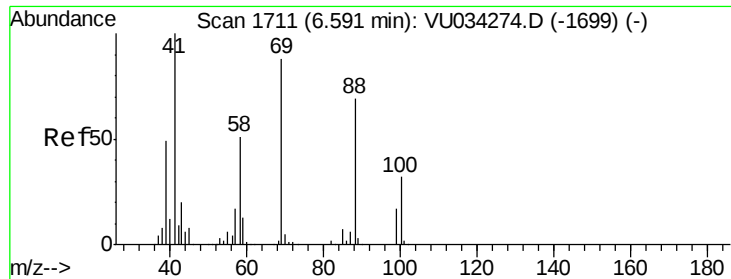
Tgt Ion: 83 Resp: 258096
 Ion Ratio Lower Upper
 83 100
 85 64.2 51.1 76.7
 127 8.9 7.2 10.8



#48
 Methyl methacrylate
 Concen: 57.017 ug/l
 RT: 6.60 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Tgt Ion: 41 Resp: 184727
 Ion Ratio Lower Upper
 41 100
 69 91.9 72.8 109.2
 39 48.4 38.6 58.0

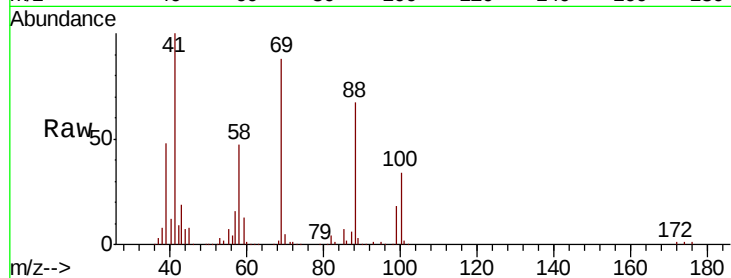




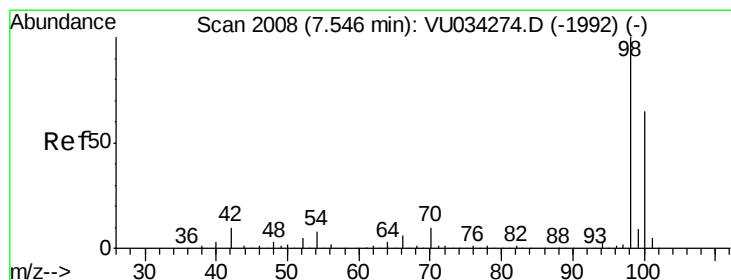
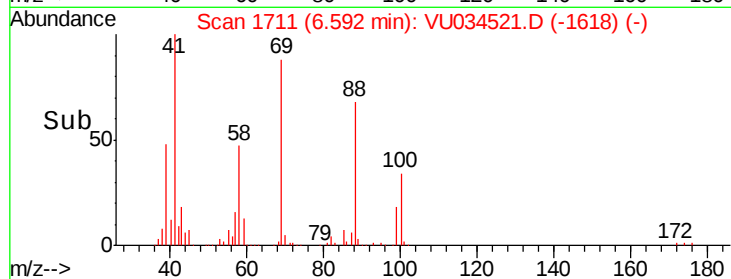
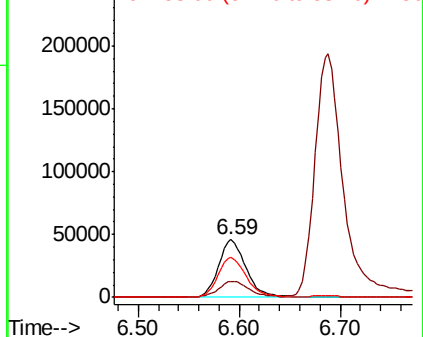
#49
1,4-Dioxane
Concen: 1210.053 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 85607
Ion Ratio Lower Upper
88 100
43 29.1 23.8 35.6
58 72.9 58.4 87.6

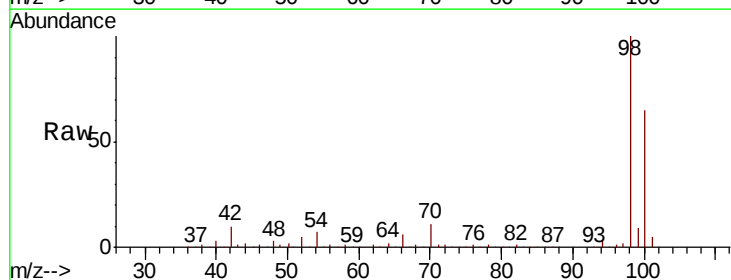


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

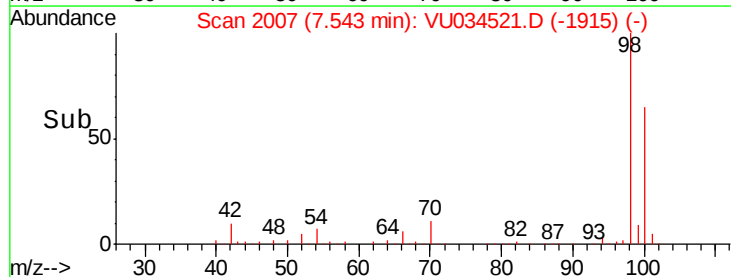
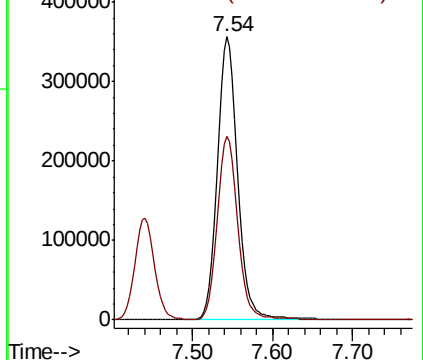


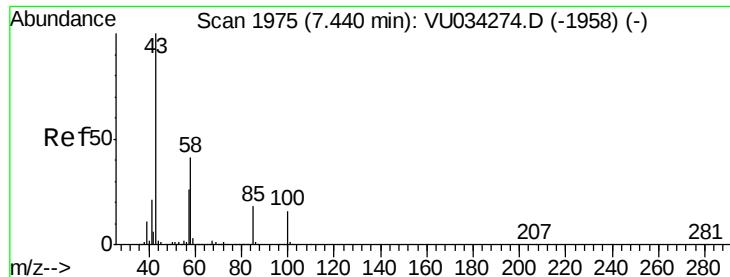
#50
Toluene-d8
Concen: 52.869 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion: 98 Resp: 630282
Ion Ratio Lower Upper
98 100
100 65.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

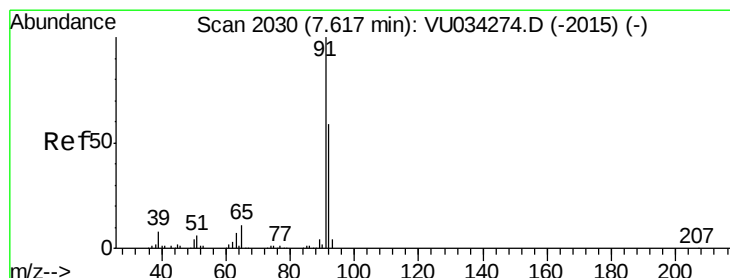
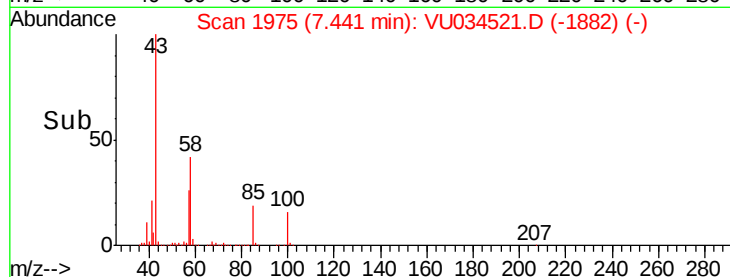
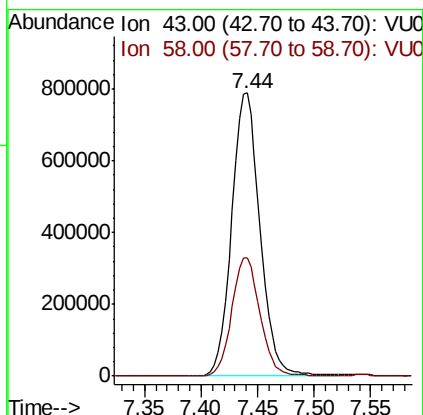
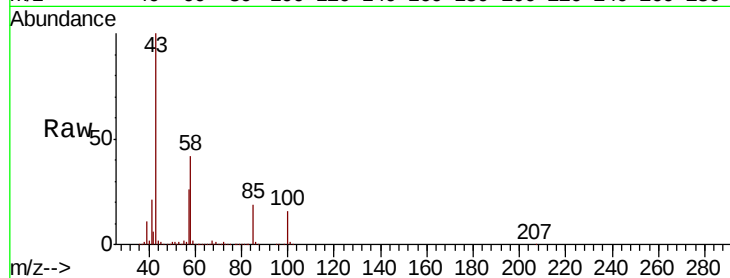




#51
 4-Methyl-2-Pentanone
 Concen: 290.569 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

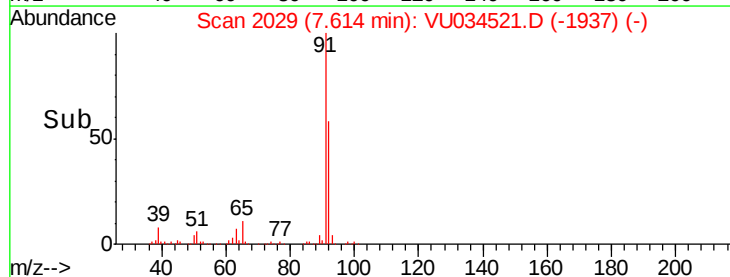
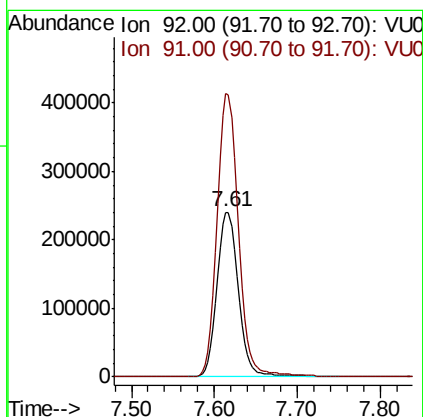
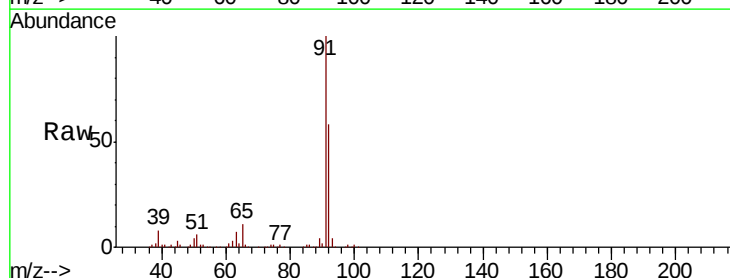
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

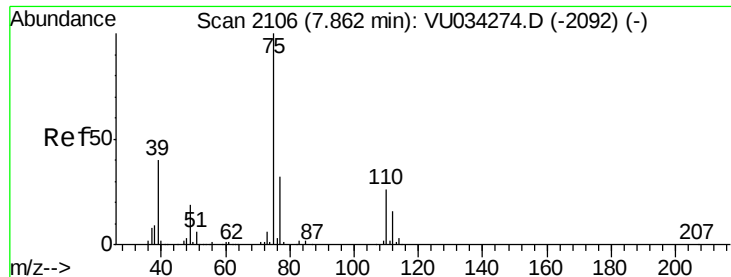
Tgt Ion: 43 Resp: 1371980
 Ion Ratio Lower Upper
 43 100
 58 41.8 33.0 49.4



#52
 Toluene
 Concen: 57.640 ug/l
 RT: 7.61 min Scan# 2029
 Delta R.T. -0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Tgt Ion: 92 Resp: 431496
 Ion Ratio Lower Upper
 92 100
 91 171.0 136.6 205.0

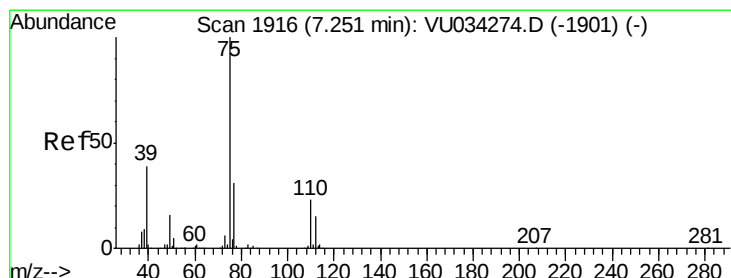
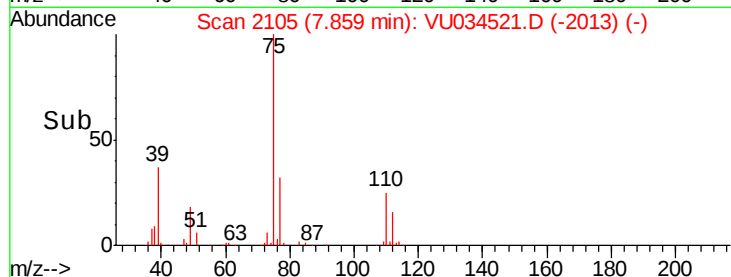
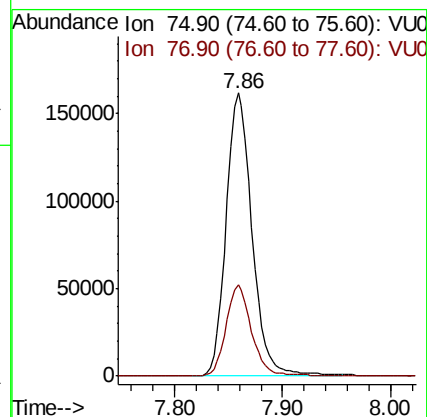
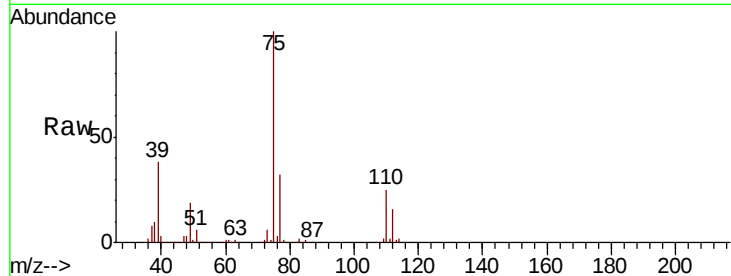




#53
 t-1,3-Dichloropropene
 Concen: 57.987 ug/l
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

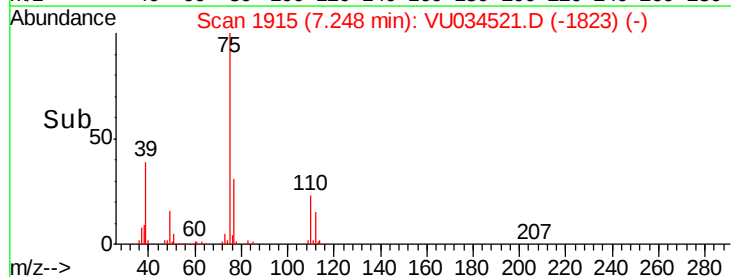
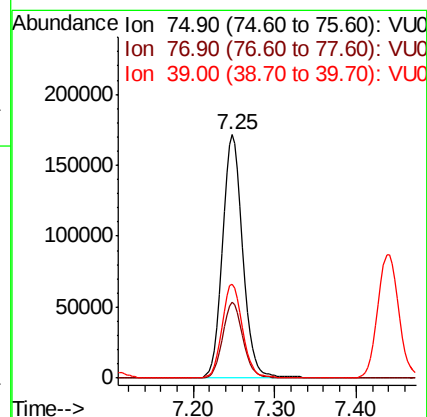
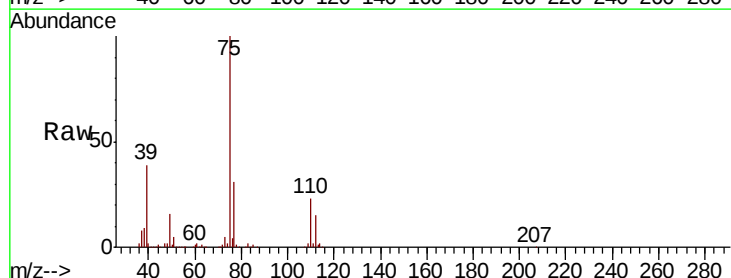
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

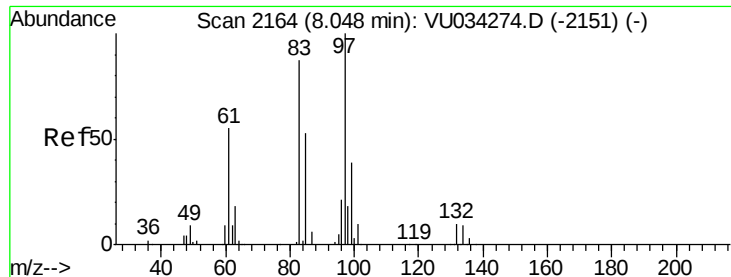
Tgt Ion: 75 Resp: 270961
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 59.124 ug/l
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Tgt Ion: 75 Resp: 303222
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.1 37.7
 39 38.6 31.2 46.8

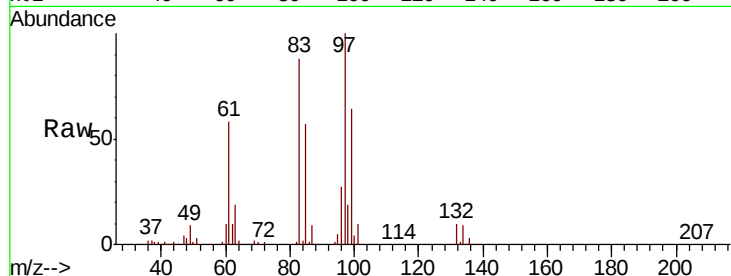




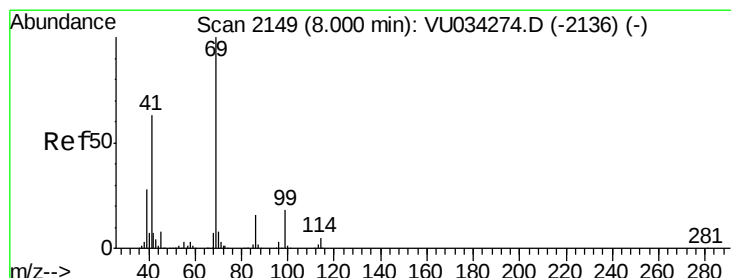
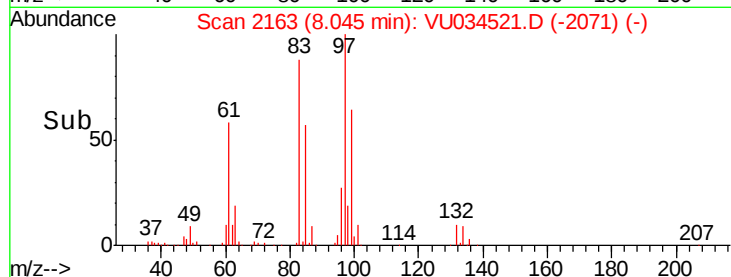
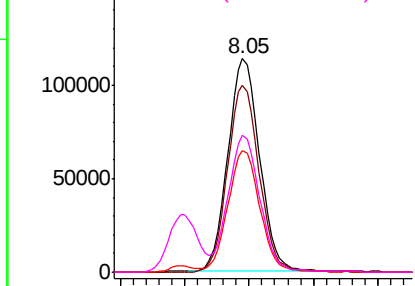
#55
 1,1,2-Trichloroethane
 Concen: 56.981 ug/l
 RT: 8.05 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	193692
Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.0	103.6
85	56.8	44.2	66.2
99	63.9	49.4	74.0

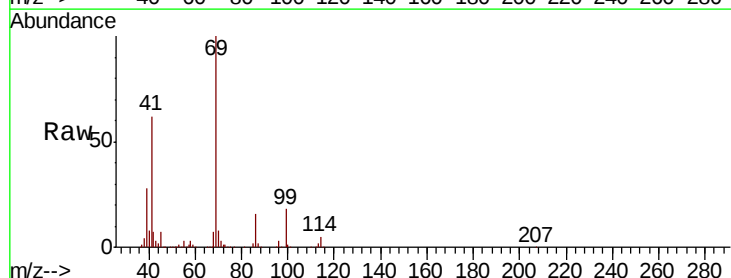


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

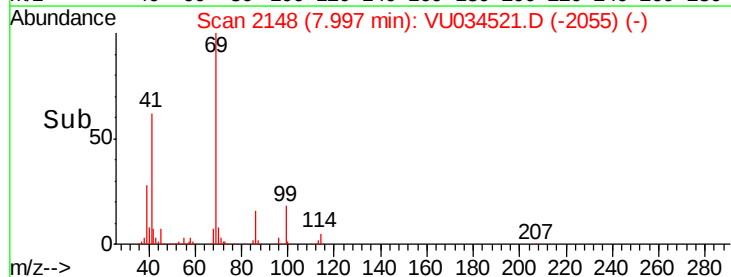
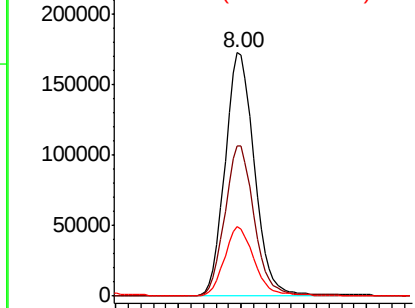


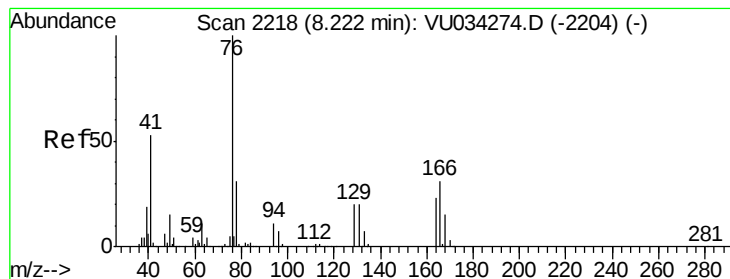
#56
 Ethyl methacrylate
 Concen: 54.121 ug/l
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Tgt Ion:	69	Resp:	280902
Ion	Ratio	Lower	Upper
69	100		
41	62.1	49.5	74.3
39	28.4	22.5	33.7



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: 56.660 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

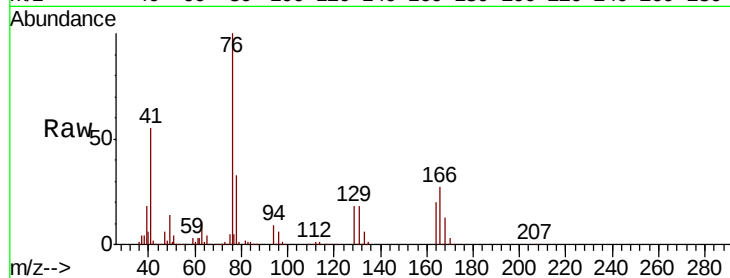
VSTDCCC050

Tgt Ion: 76 Resp: 313620

Ion Ratio Lower Upper

76 100

78 32.7 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VU034521.D (-2125) (-)

Ion 77.90 (77.60 to 78.60): VU034521.D (-2125) (-)

8.22

200000

150000

100000

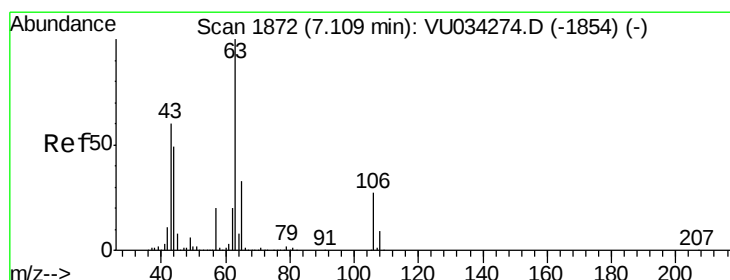
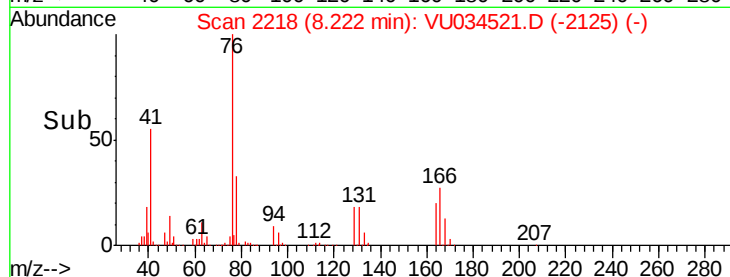
50000

0

Time-->

8.20

8.30



#58

2-Chloroethyl Vinyl ether

Concen: 234.121 ug/l

RT: 7.11 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VU034521.D

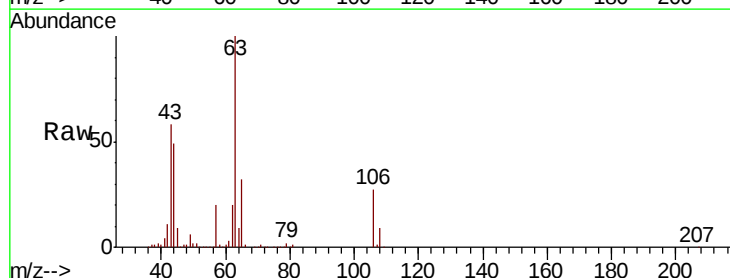
Acq: 12 Sep 2019 15:34

Tgt Ion: 63 Resp: 407090

Ion Ratio Lower Upper

63 100

106 27.1 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VU034521.D (-1779) (-)

Ion 105.90 (105.60 to 106.60): VU034521.D (-1779) (-)

7.11

250000

200000

150000

100000

50000

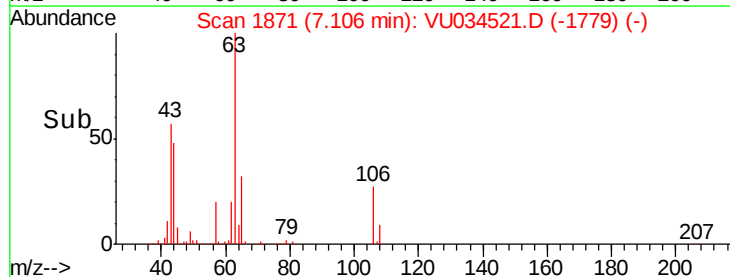
0

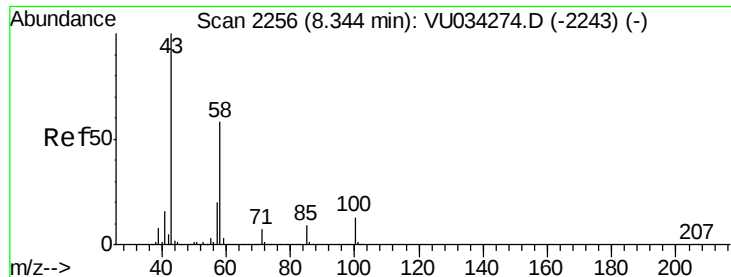
Time-->

7.00

7.10

7.20

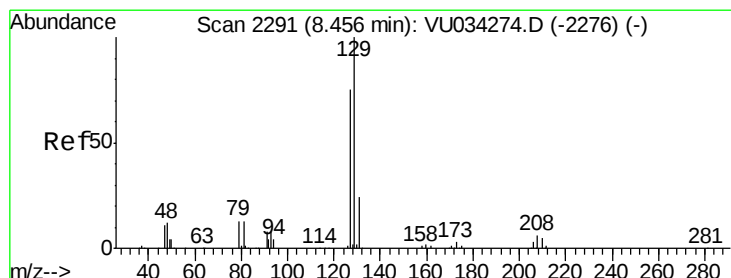
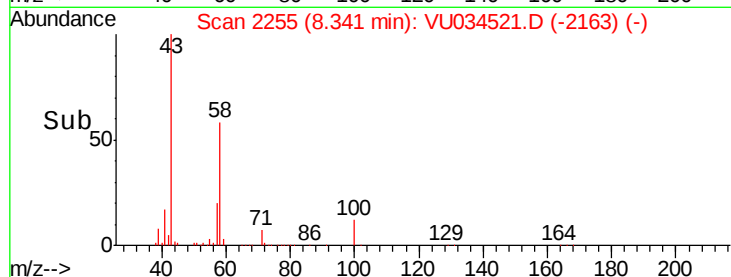
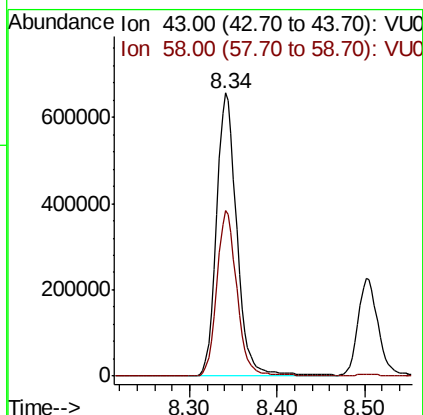
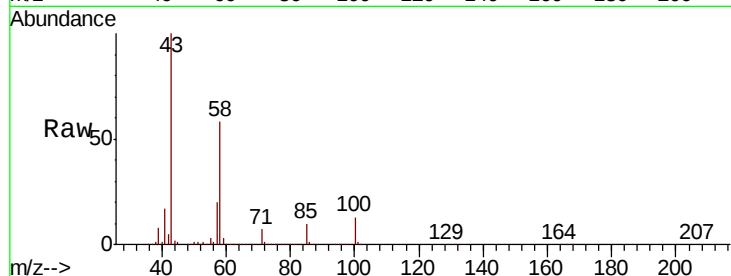




#59
2-Hexanone
Concen: 299.831 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

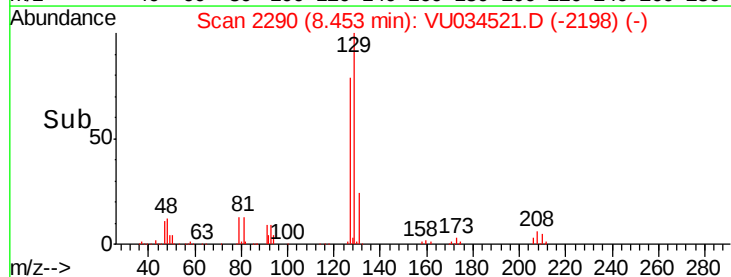
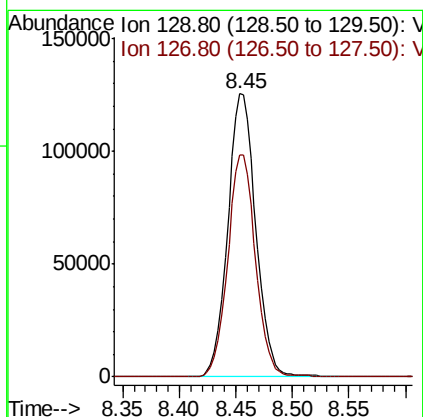
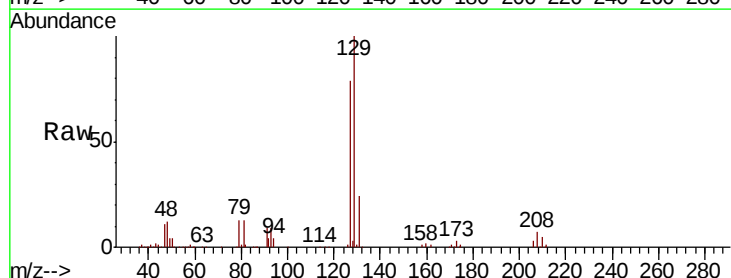
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

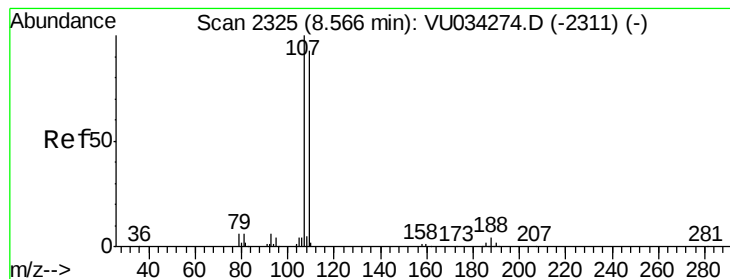
Tgt Ion: 43 Resp: 1057609
Ion Ratio Lower Upper
43 100
58 58.1 28.8 86.5



#60
Dibromochloromethane
Concen: 59.309 ug/l
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion: 129 Resp: 216243
Ion Ratio Lower Upper
129 100
127 78.0 37.9 113.7





#61

1,2-Dibromoethane

Concen: 57.772 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

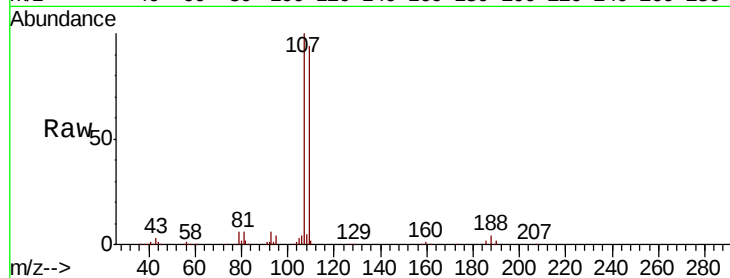
VSTDCCC050

Tgt Ion: 107 Resp: 192213

Ion Ratio Lower Upper

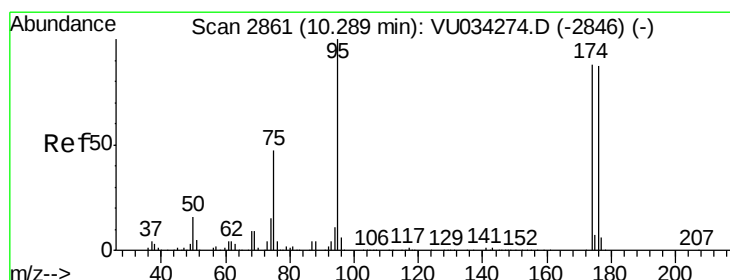
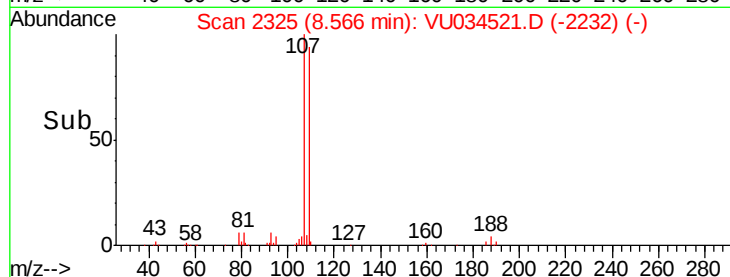
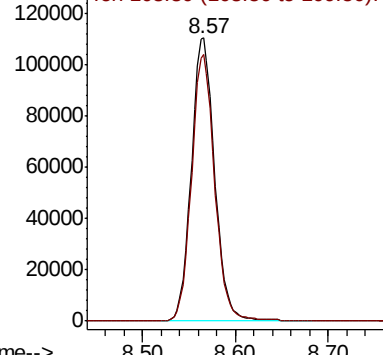
107 100

109 93.6 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.923 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

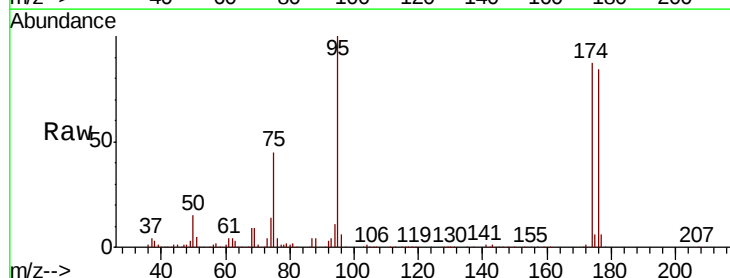
Tgt Ion: 95 Resp: 252806

Ion Ratio Lower Upper

95 100

174 87.9 0.0 175.2

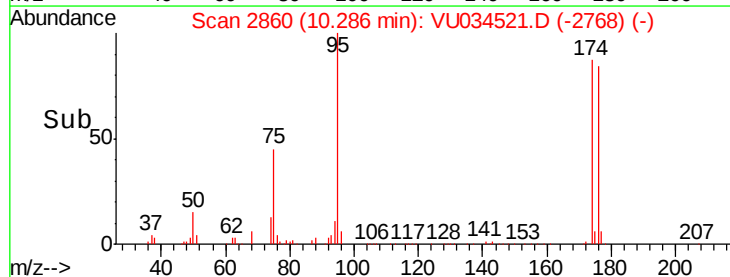
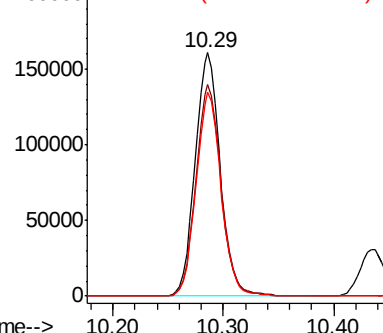
176 83.6 0.0 168.0

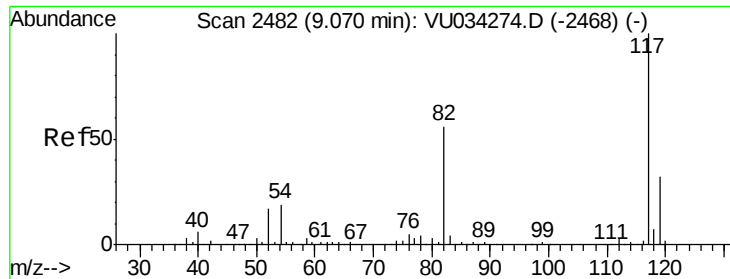


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

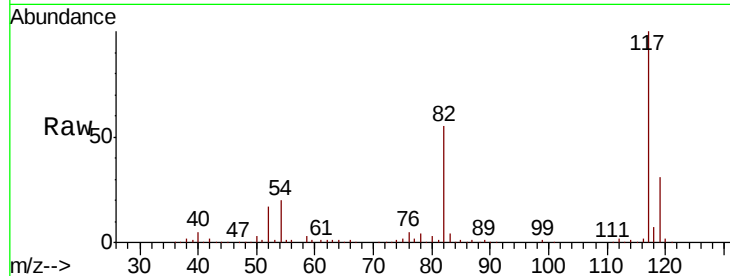




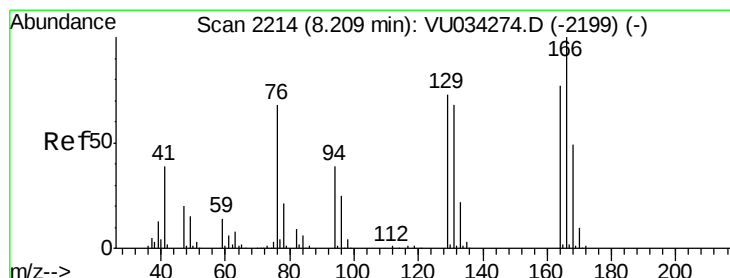
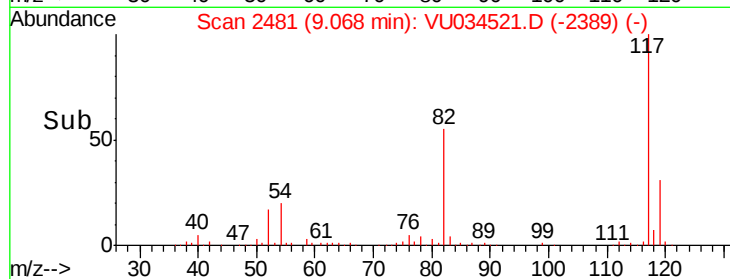
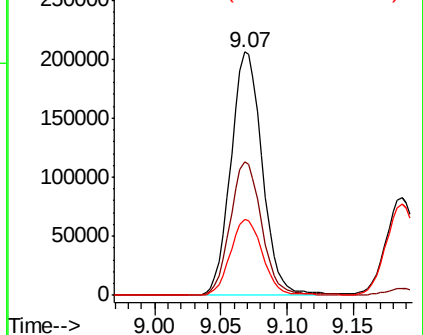
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 340385
Ion Ratio Lower Upper
117 100
82 55.0 44.6 67.0
119 31.4 25.9 38.9



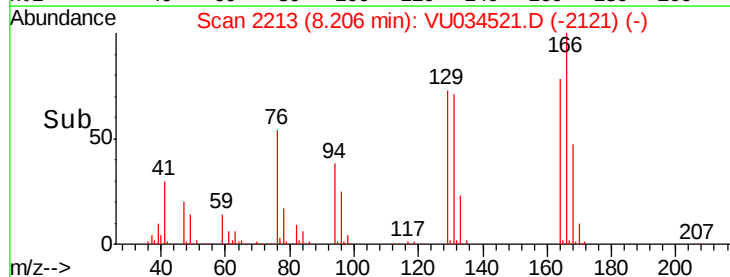
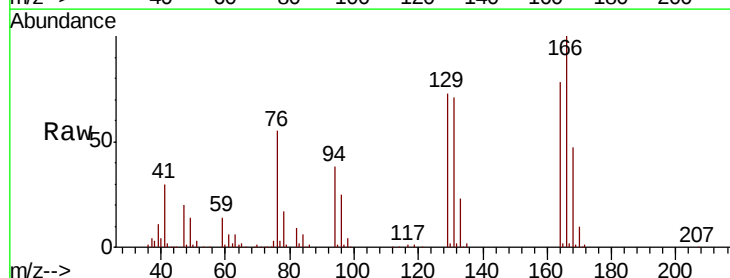
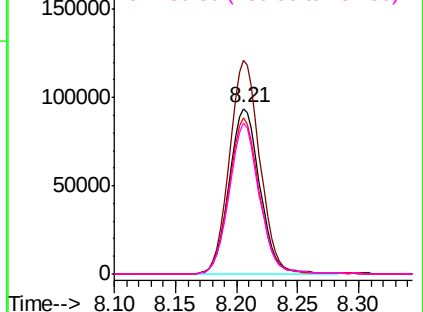
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

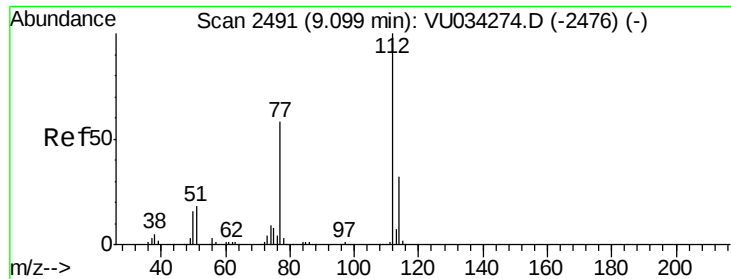


#64
Tetrachloroethene
Concen: 55.798 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion:164 Resp: 164773
Ion Ratio Lower Upper
164 100
166 129.0 103.7 155.5
129 94.0 75.8 113.8
131 91.0 70.7 106.1

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

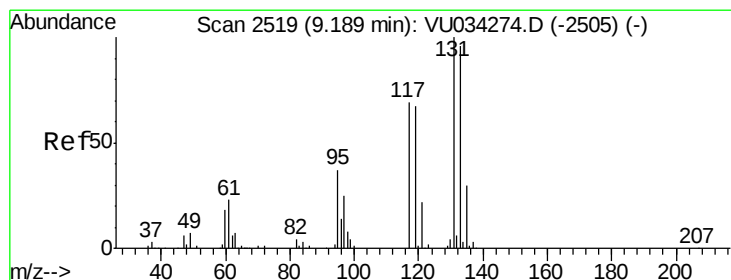
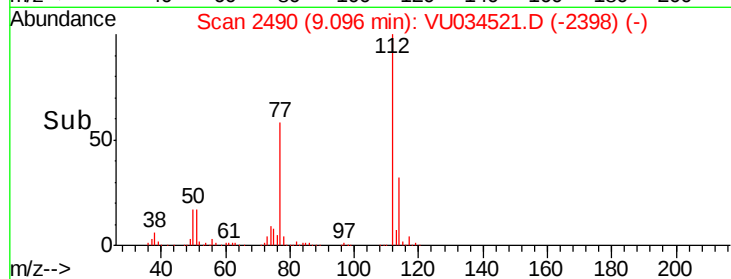
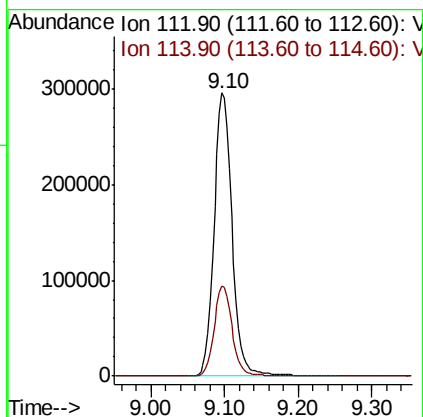
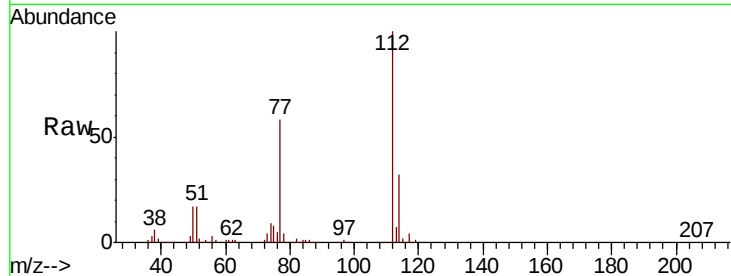




#65
Chlorobenzene
Concen: 57.950 ug/l
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

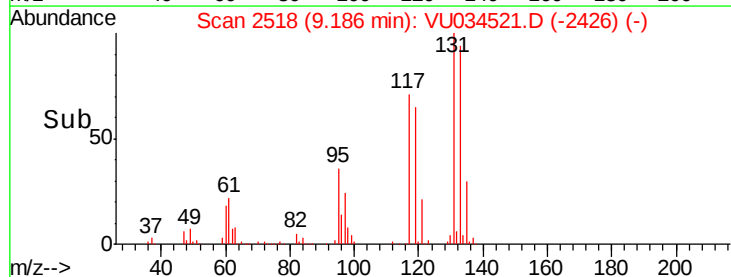
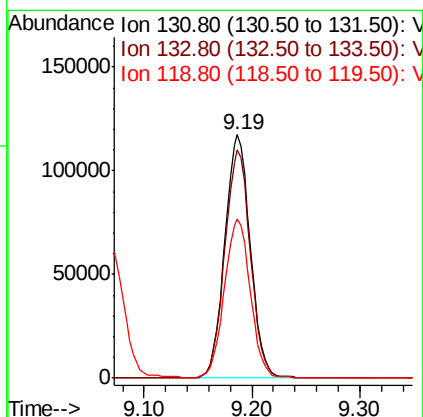
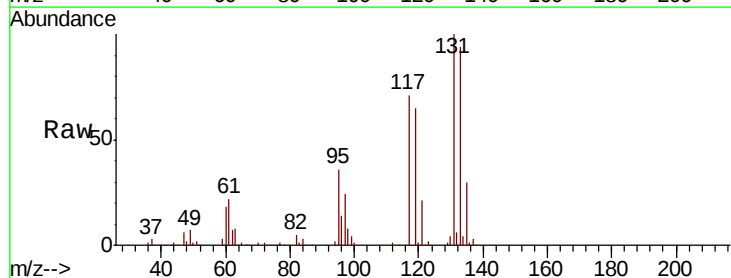
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

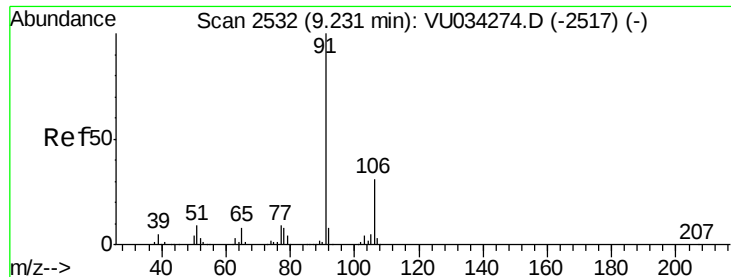
Tgt Ion:112 Resp: 500442
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 58.694 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion:131 Resp: 193437
Ion Ratio Lower Upper
131 100
133 94.5 47.9 143.7
119 66.3 33.1 99.5





#67

Ethyl Benzene

Concen: 59.094 ug/l

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

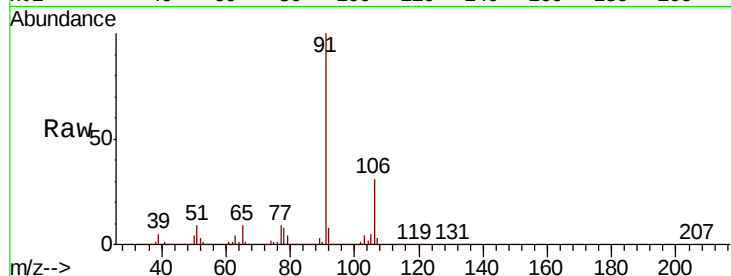
VSTDCCC050

Tgt Ion: 91 Resp: 834404

Ion Ratio Lower Upper

91 100

106 31.4 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VU034274.D (-2517) (-)

Ion 106.00 (105.70 to 106.70): VU034274.D (-2517) (-)

800000

600000

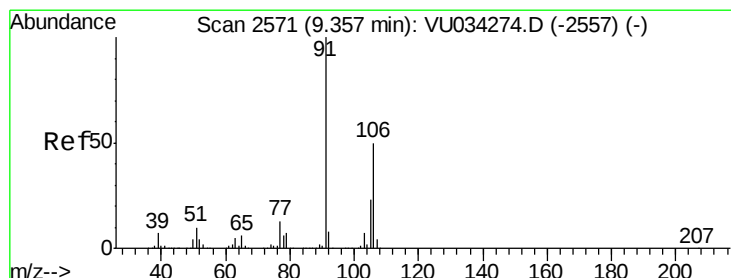
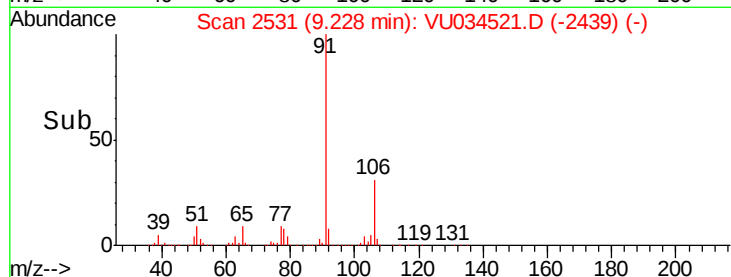
400000

200000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#68

m/p-Xylenes

Concen: 123.752 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034521.D

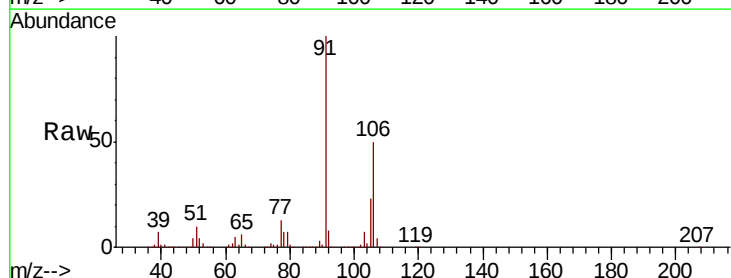
Acq: 12 Sep 2019 15:34

Tgt Ion: 106 Resp: 657990

Ion Ratio Lower Upper

106 100

91 200.5 160.1 240.1



Abundance Ion 106.00 (105.70 to 106.70): VU034274.D (-2557) (-)

Ion 91.00 (90.70 to 91.70): VU034274.D (-2557) (-)

800000

600000

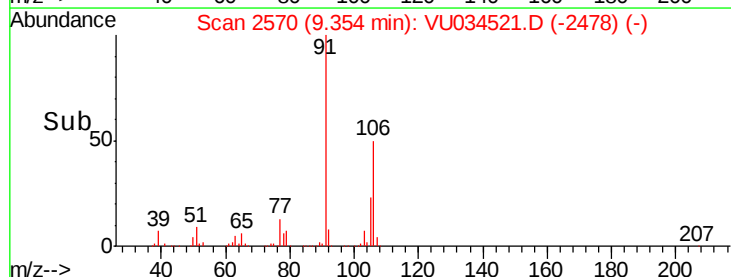
400000

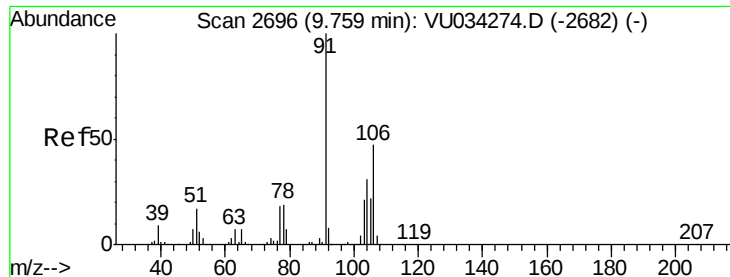
200000

0

9.30 9.40 9.50

Time-->

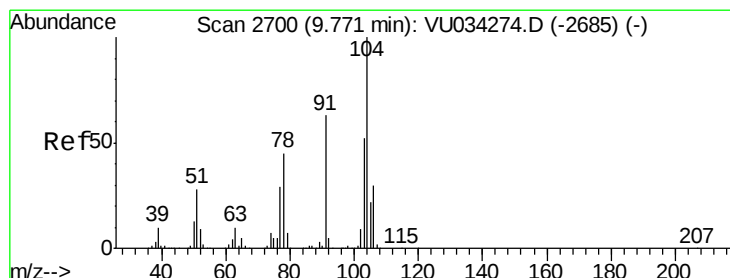
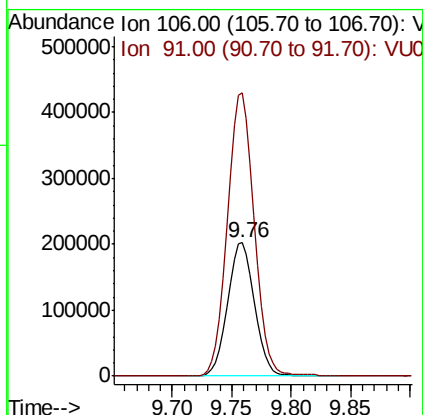
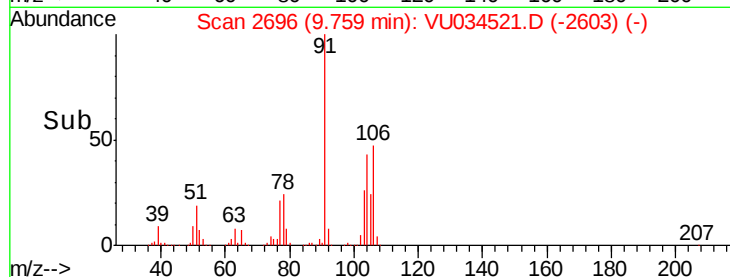
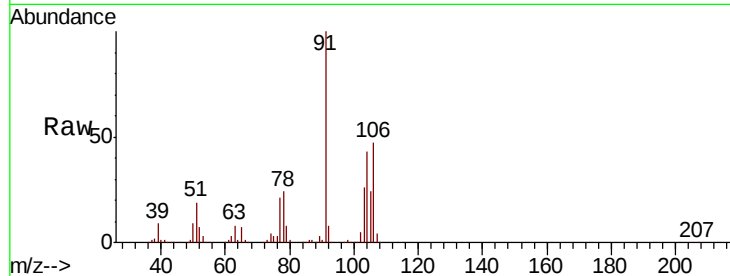




#69
o-Xylene
Concen: 61.072 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

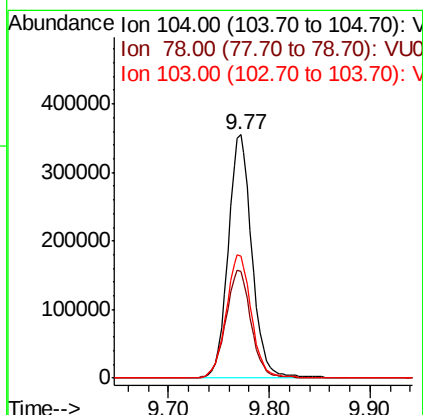
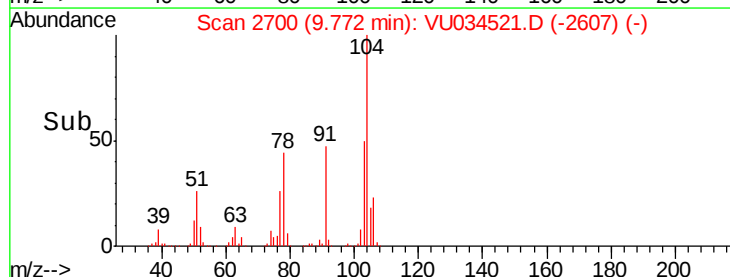
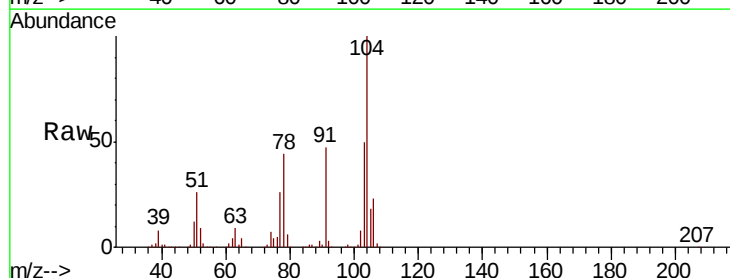
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

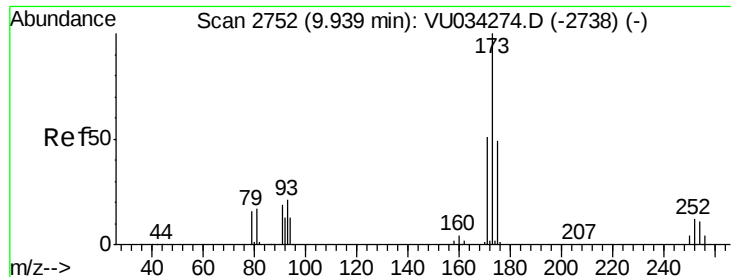
Tgt Ion:106 Resp: 317565
Ion Ratio Lower Upper
106 100
91 211.7 105.1 315.3



#70
Styrene
Concen: 64.011 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion:104 Resp: 583565
Ion Ratio Lower Upper
104 100
78 47.6 38.6 57.8
103 54.2 44.2 66.4





#71

Bromoform

Concen: 59.652 ug/l

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

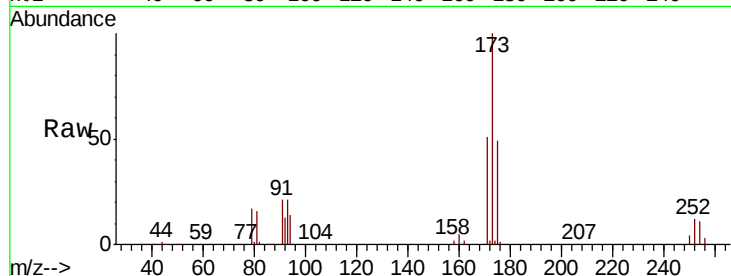
Tgt Ion:173 Resp: 170380

Ion Ratio Lower Upper

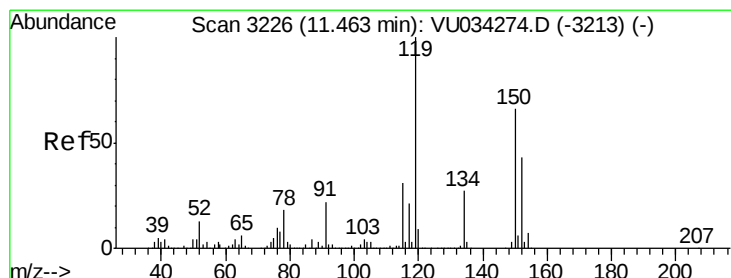
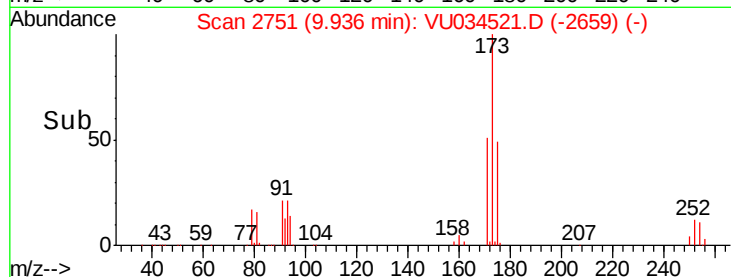
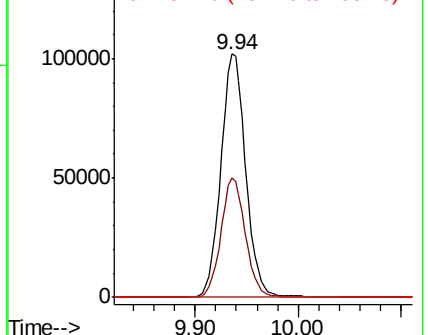
173 100

175 48.3 24.4 73.2

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3225

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

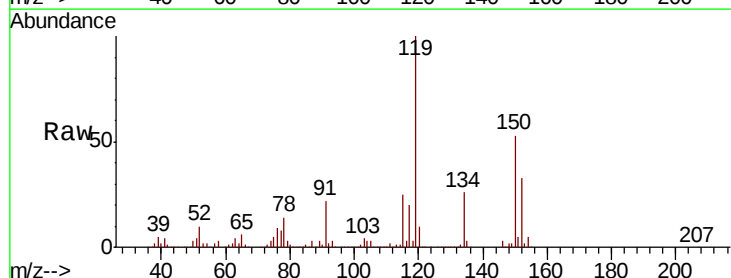
Tgt Ion:152 Resp: 235485

Ion Ratio Lower Upper

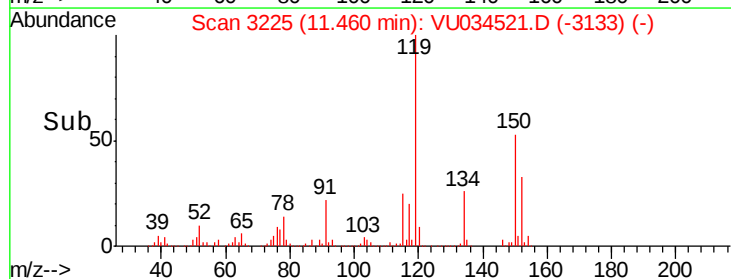
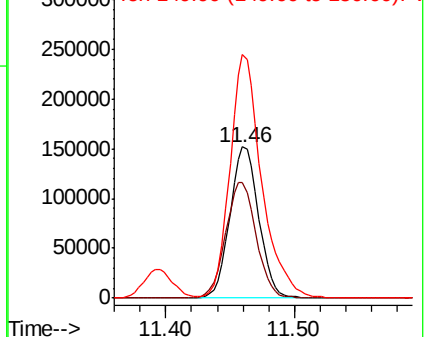
152 100

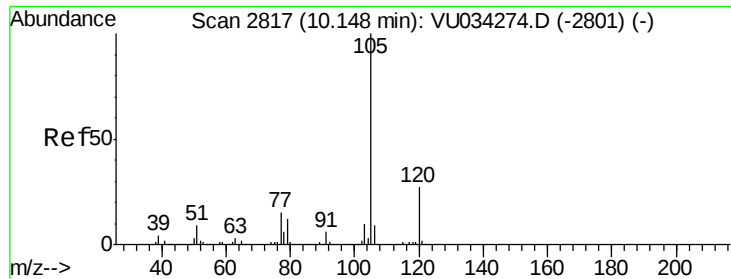
115 80.6 39.1 117.3

150 176.2 0.0 345.4



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: 58.658 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

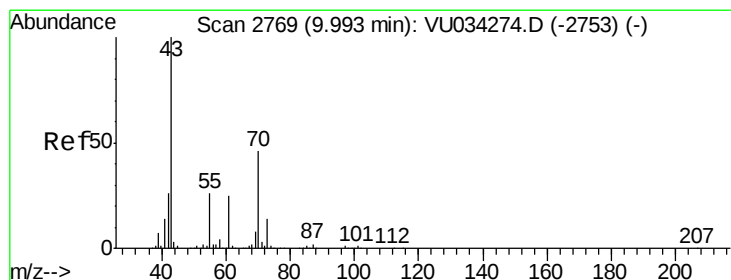
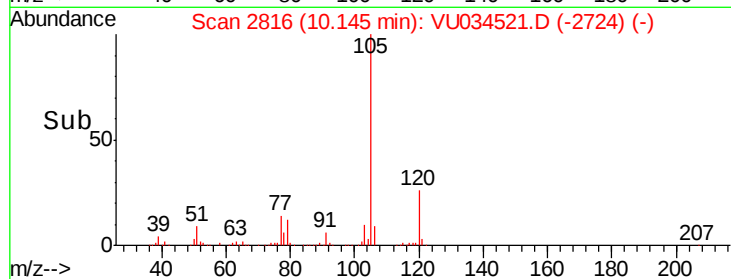
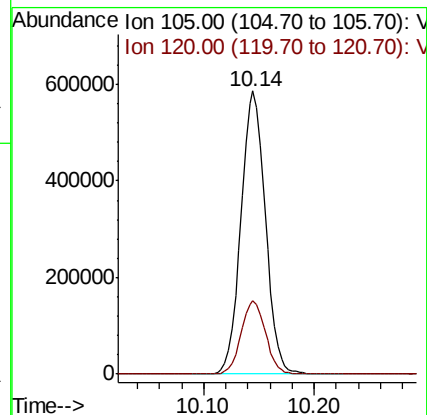
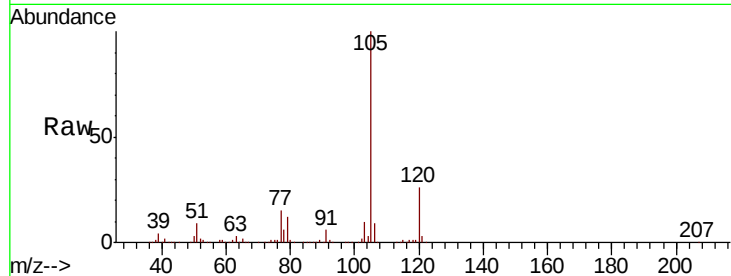
VSTDCCC050

Tgt Ion:105 Resp: 898927

Ion Ratio Lower Upper

105 100

120 26.0 13.4 40.2



#74

N-ethyl acetate

Concen: 57.684 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. 0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Tgt Ion: 43 Resp: 355834

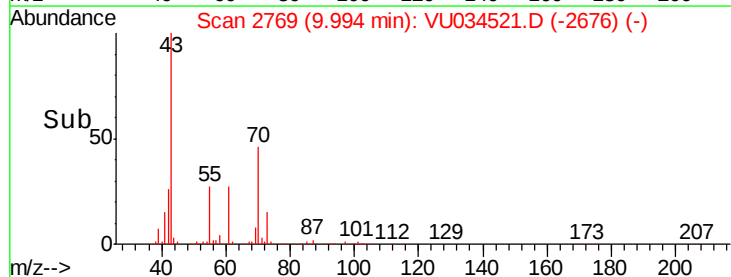
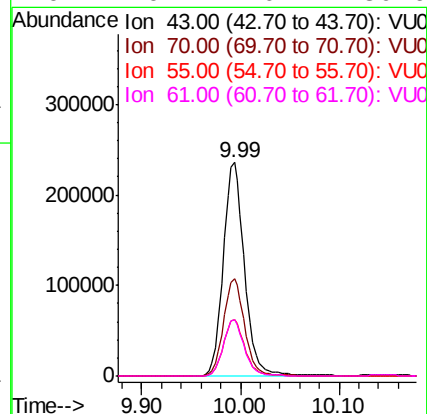
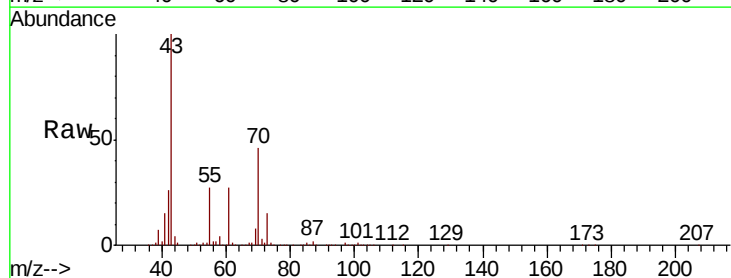
Ion Ratio Lower Upper

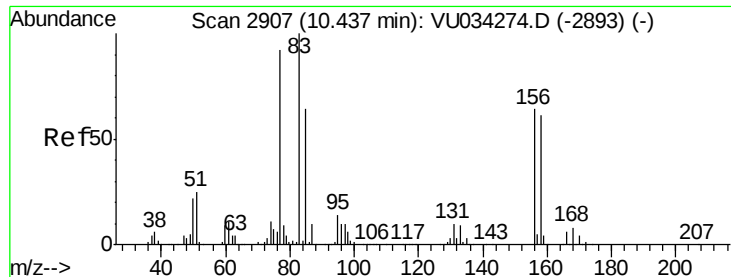
43 100

70 45.8 36.4 54.6

55 26.9 21.2 31.8

61 26.2 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 54.416 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

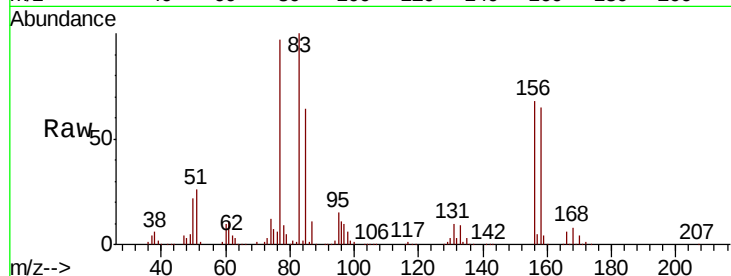
Tgt Ion: 83 Resp: 337547

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.2

85 64.0 32.0 96.2

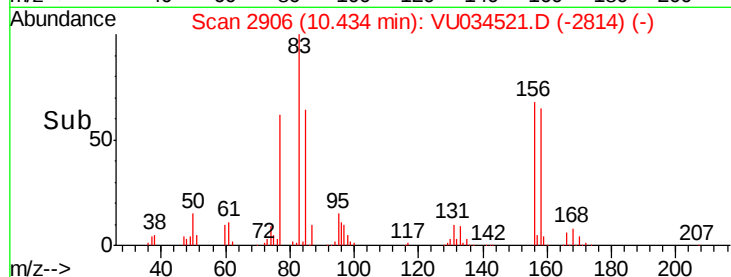


Abundance Ion 82.90 (82.60 to 83.60): VU034274.D (-2893) (-)

Ion 130.80 (130.50 to 131.50): VU034274.D (-2893) (-)

Ion 84.90 (84.60 to 85.60): VU034274.D (-2893) (-)

Time-->

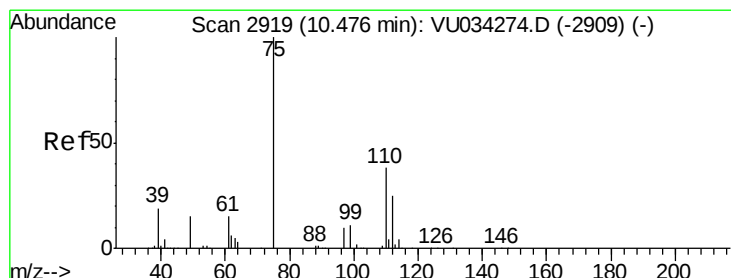


Abundance Ion 82.90 (82.60 to 83.60): VU034521.D (-2814) (-)

Ion 130.80 (130.50 to 131.50): VU034521.D (-2814) (-)

Ion 84.90 (84.60 to 85.60): VU034521.D (-2814) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 70.186 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034521.D

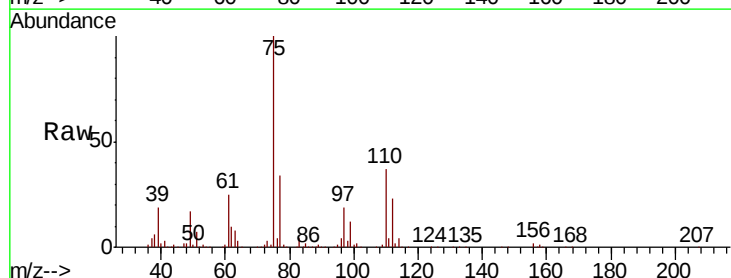
Acq: 12 Sep 2019 15:34

Tgt Ion: 75 Resp: 360769

Ion Ratio Lower Upper

75 100

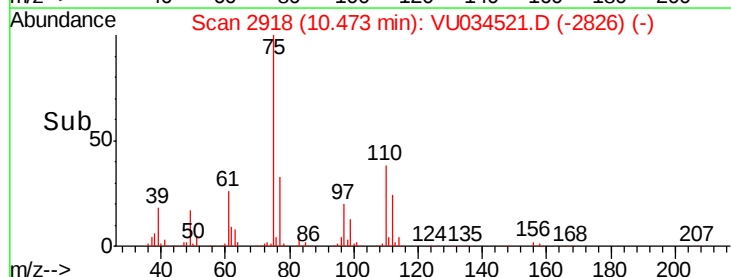
77 32.4 20.8 62.2



Abundance Ion 74.90 (74.60 to 75.60): VU034274.D (-2909) (-)

Ion 77.00 (76.70 to 77.70): VU034274.D (-2909) (-)

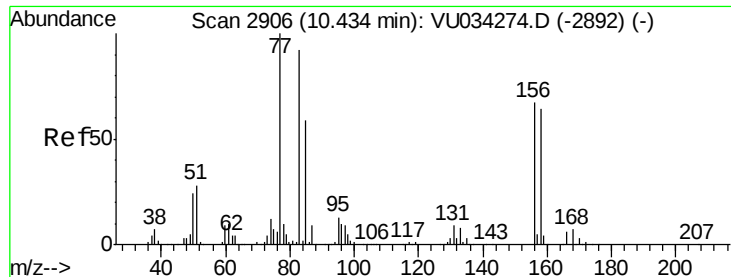
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VU034521.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU034521.D (-2826) (-)

Time-->



#77

Bromobenzene

Concen: 57.168 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

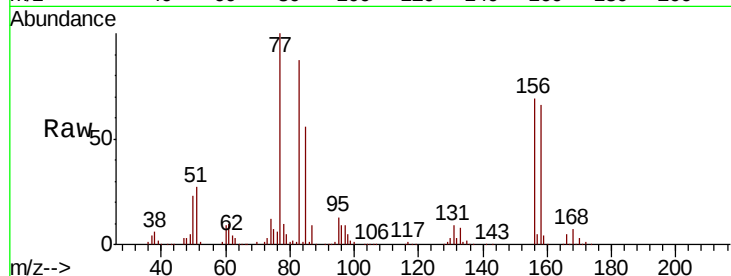
Tgt Ion:156 Resp: 244966

Ion Ratio Lower Upper

156 100

77 146.5 75.6 226.9

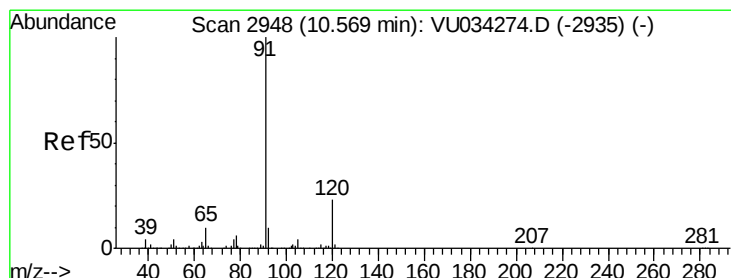
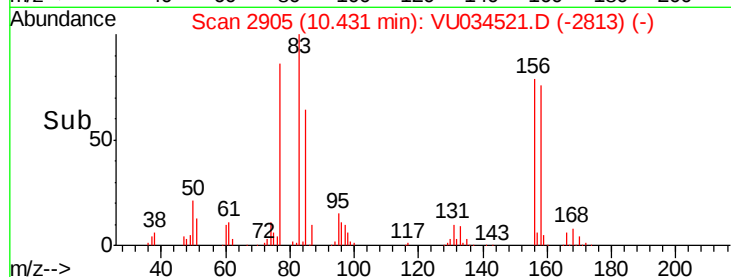
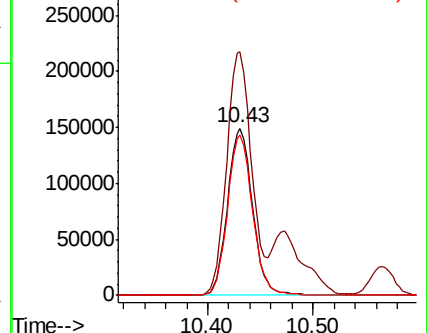
158 95.8 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 58.733 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034521.D

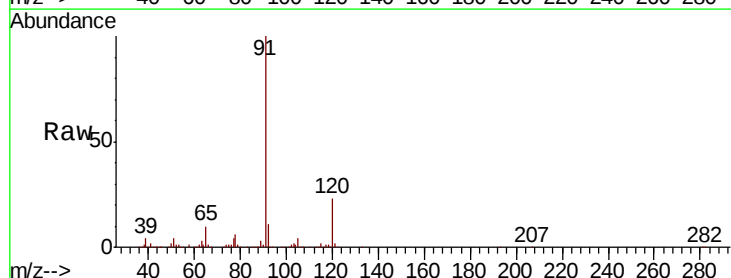
Acq: 12 Sep 2019 15:34

Tgt Ion: 91 Resp: 1039488

Ion Ratio Lower Upper

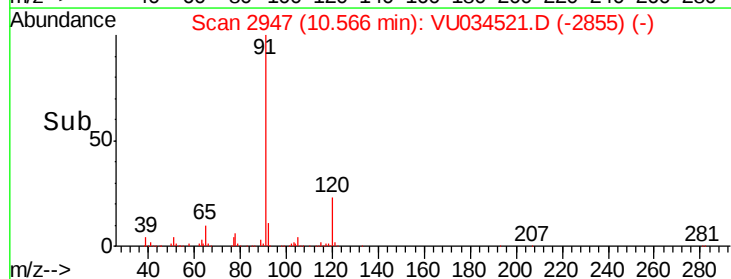
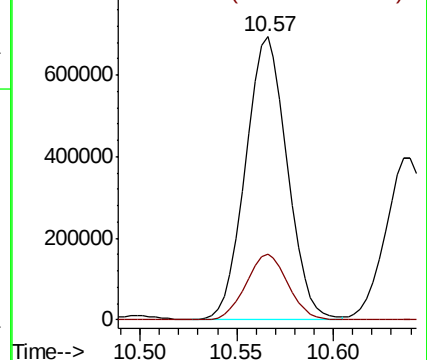
91 100

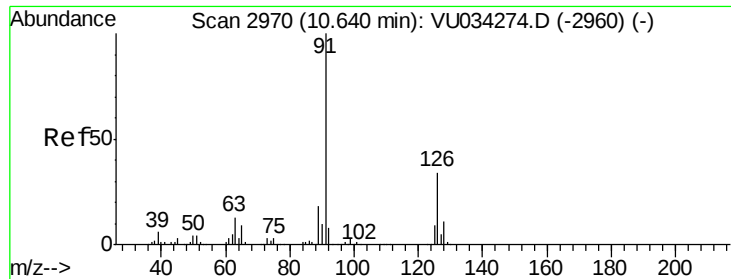
120 23.6 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 57.965 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. 0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

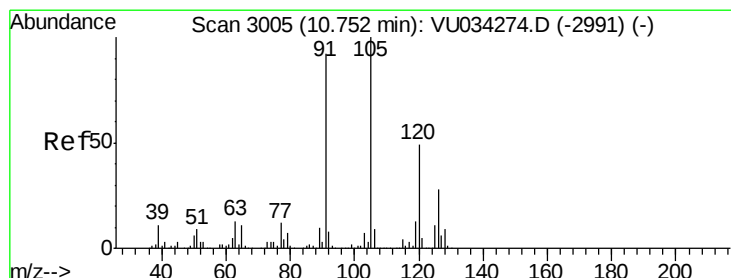
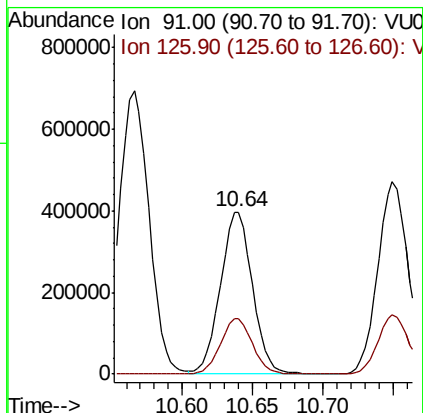
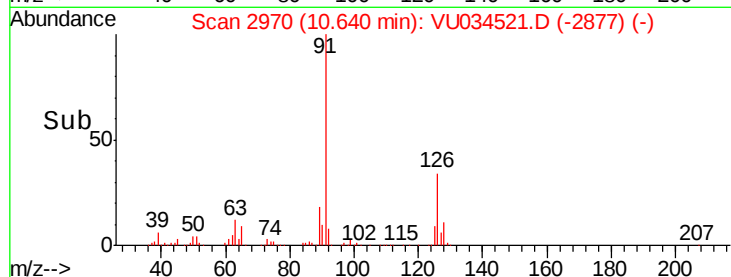
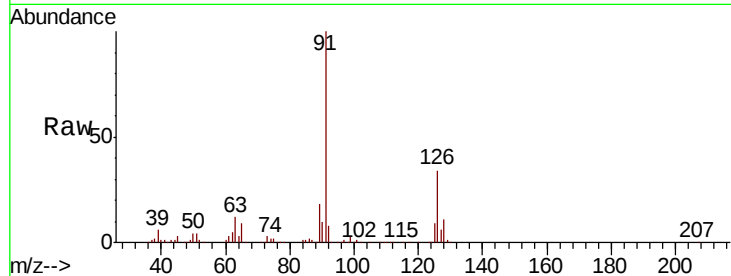
VSTDCCC050

Tgt Ion: 91 Resp: 625964

Ion Ratio Lower Upper

91 100

126 34.2 17.3 51.9



#80

1,3,5-Trimethylbenzene

Concen: 60.575 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034521.D

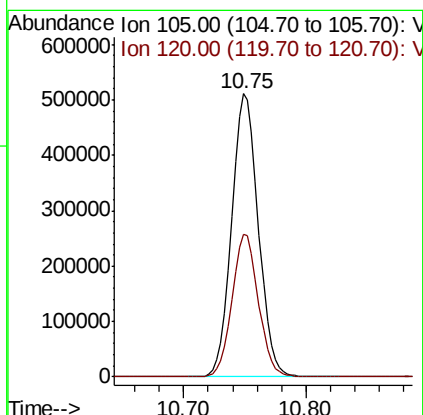
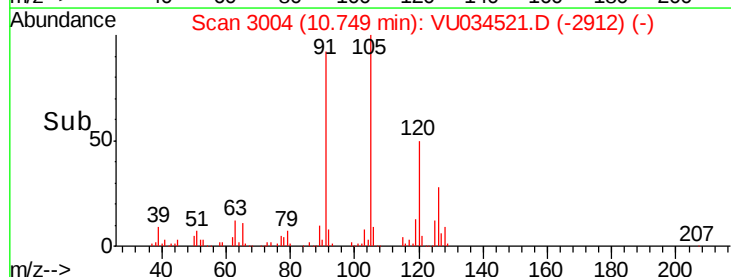
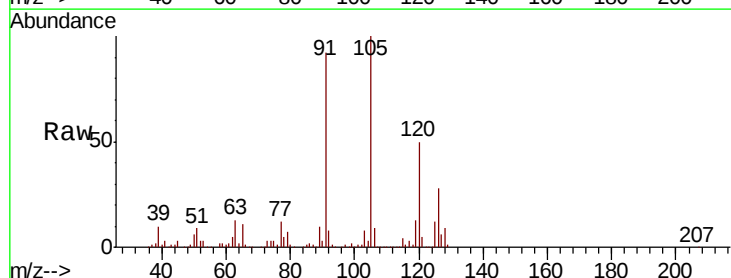
Acq: 12 Sep 2019 15:34

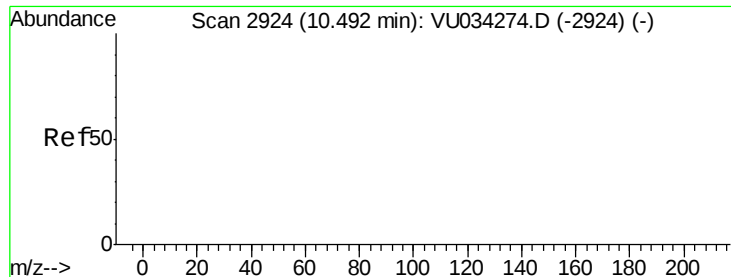
Tgt Ion: 105 Resp: 776378

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.7

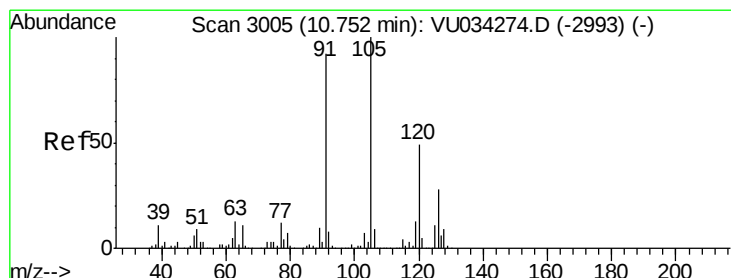
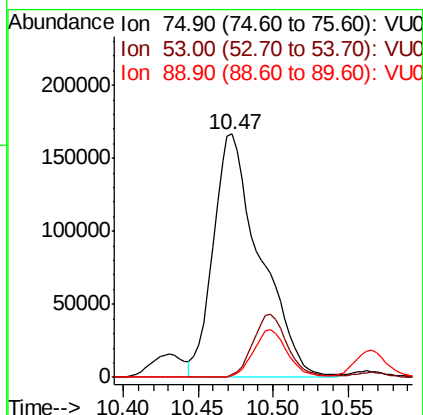
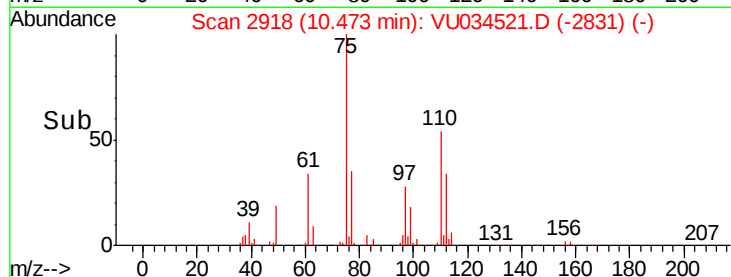
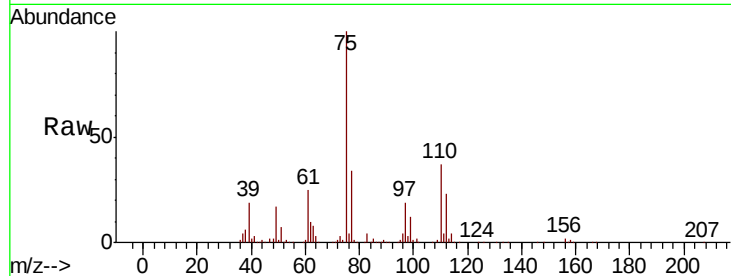




#81
trans-1,4-Dichloro-2-butene
Concen: 237.047 ug/l
RT: 10.47 min Scan# 2918
Delta R.T. -0.02 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

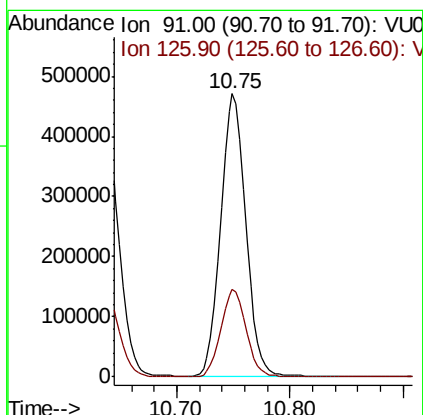
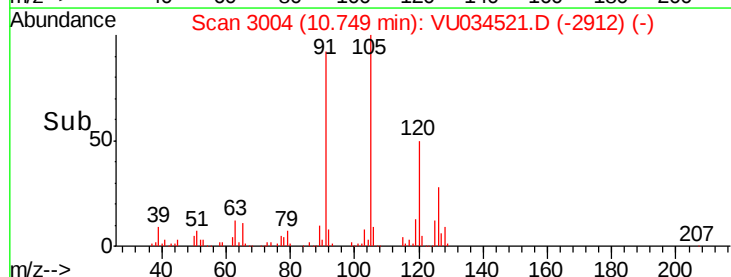
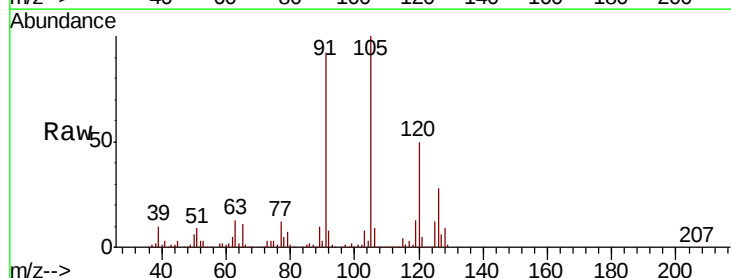
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

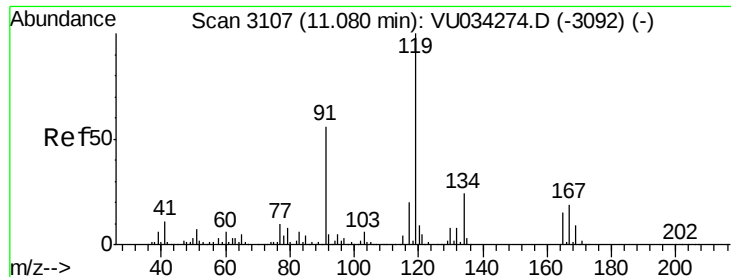
Tgt Ion: 75 Resp: 362325
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 58.546 ug/l
RT: 10.75 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion: 91 Resp: 727575
Ion Ratio Lower Upper
91 100
126 31.1 15.3 45.8

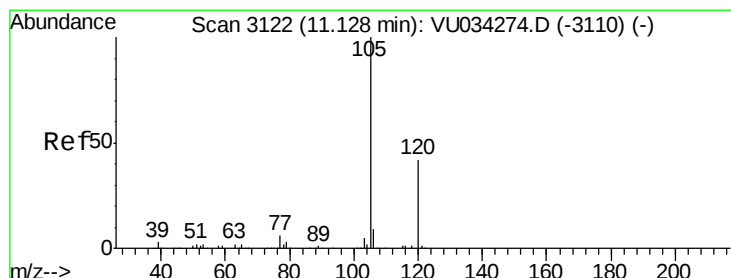
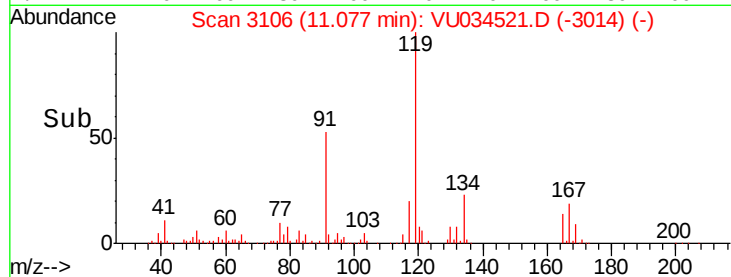
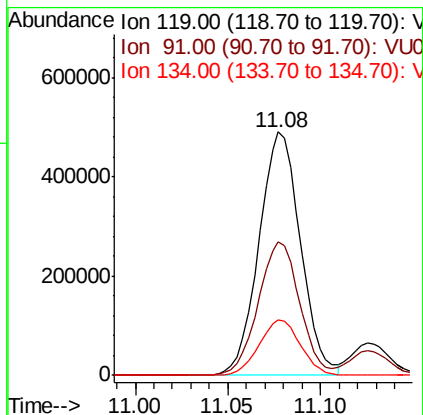
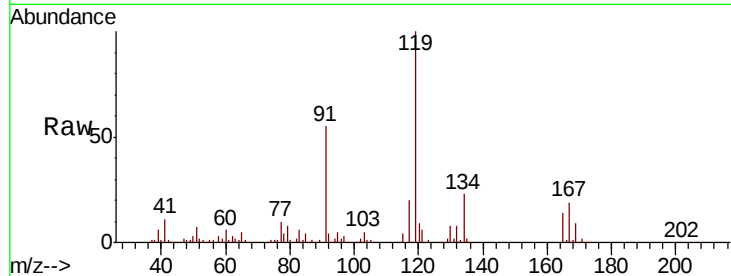




#83
 tert-Butylbenzene
 Concen: 59.302 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

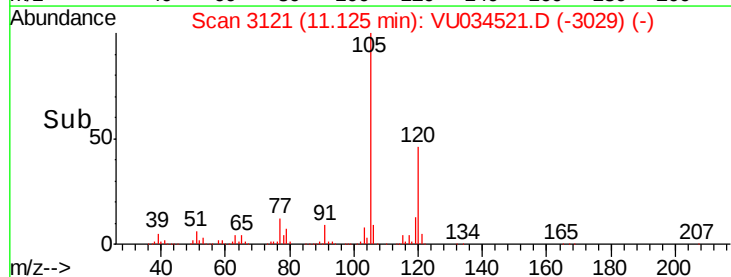
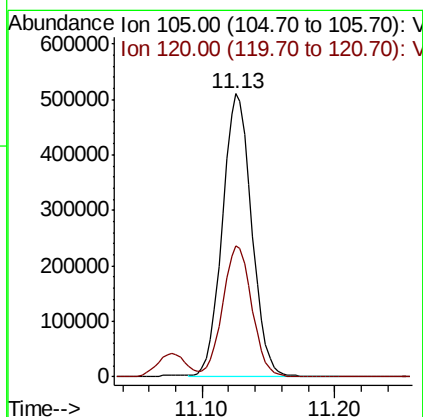
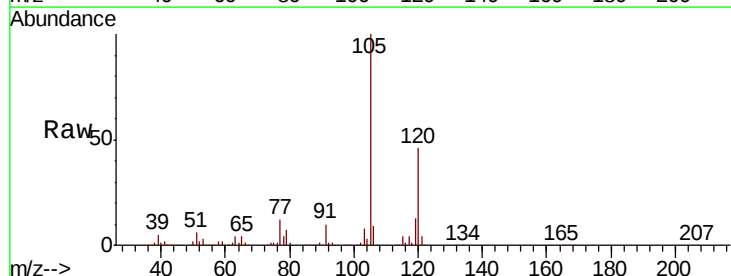
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

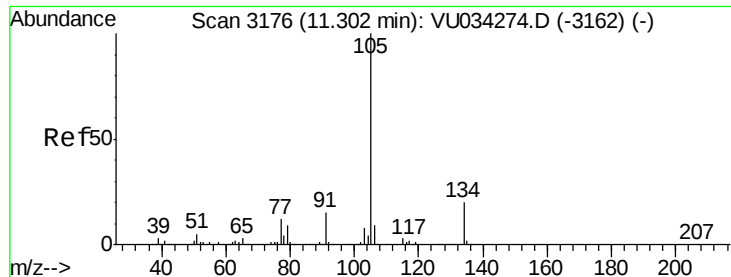
Tgt Ion:119 Resp: 760344
 Ion Ratio Lower Upper
 119 100
 91 54.6 27.8 83.4
 134 22.7 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 60.378 ug/l
 RT: 11.13 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Tgt Ion:105 Resp: 778972
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.9 68.8

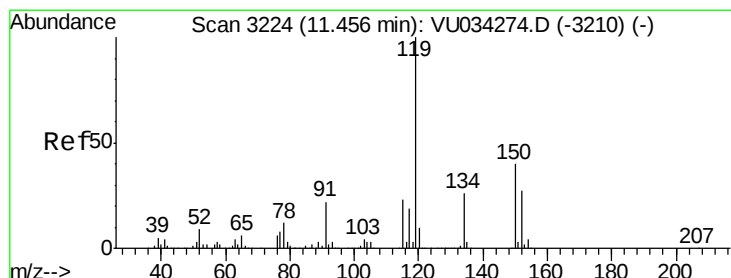
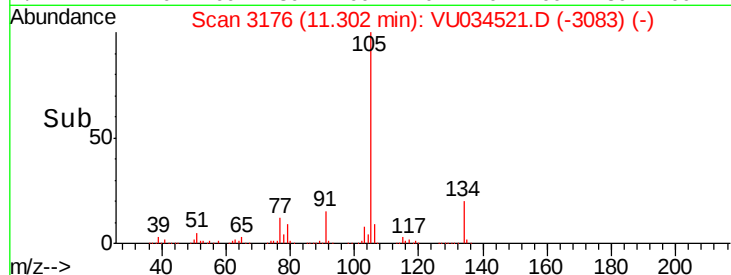
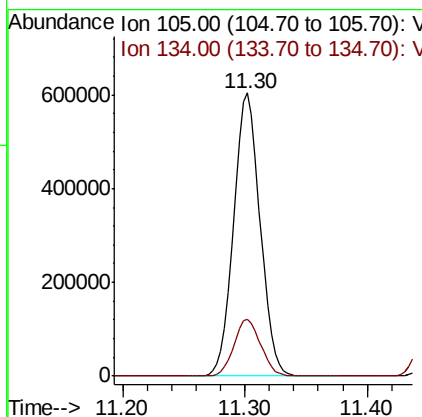
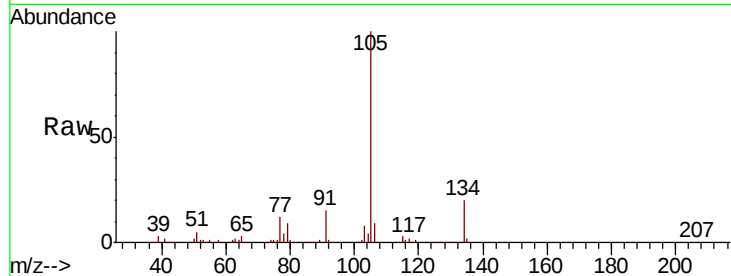




#85
 sec-Butylbenzene
 Concen: 59.912 ug/l
 RT: 11.30 min Scan# 3176
 Delta R.T. 0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

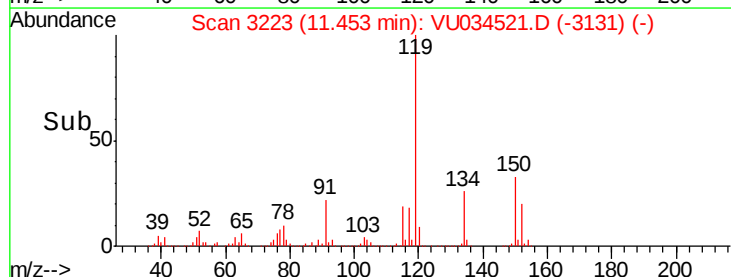
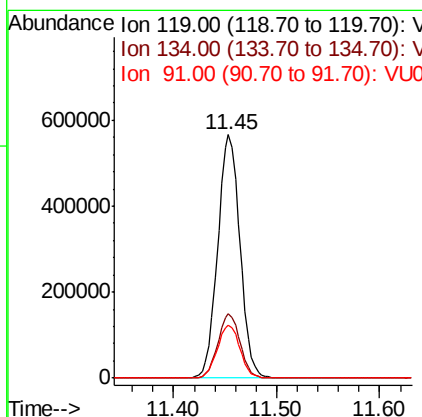
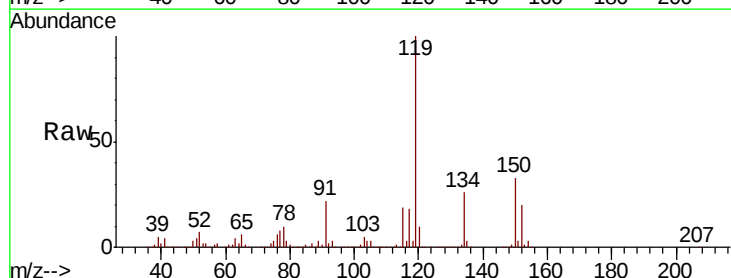
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

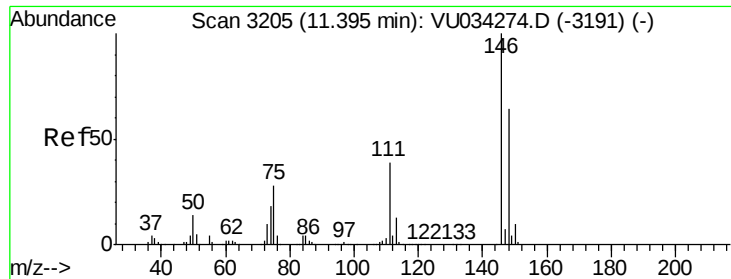
Tgt Ion:105 Resp: 906876
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 60.445 ug/l
 RT: 11.45 min Scan# 3223
 Delta R.T. -0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Tgt Ion:119 Resp: 844486
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.3 39.8
 91 22.2 11.2 33.6

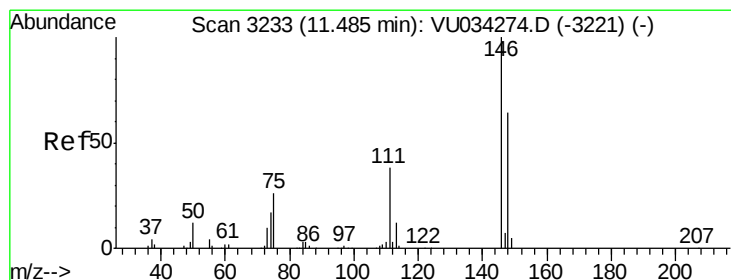
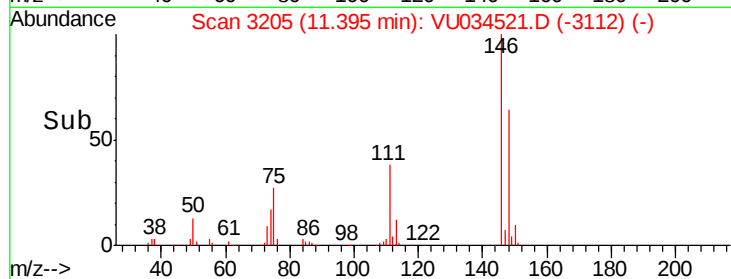
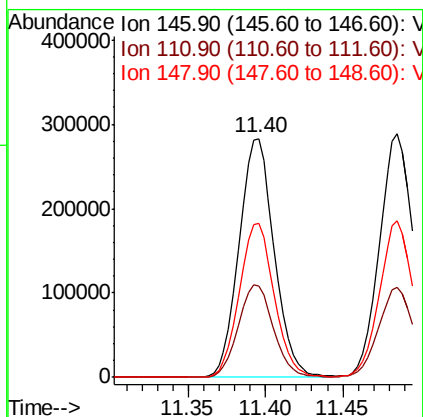
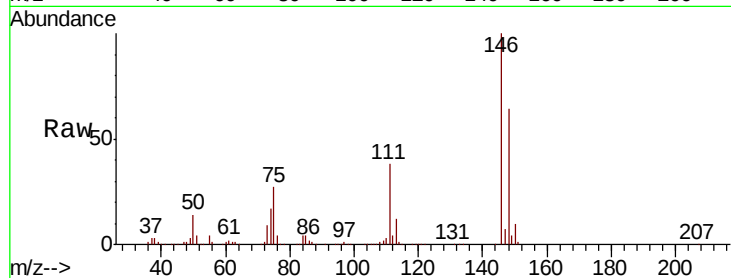




#87
 1,3-Dichlorobenzene
 Concen: 57.236 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

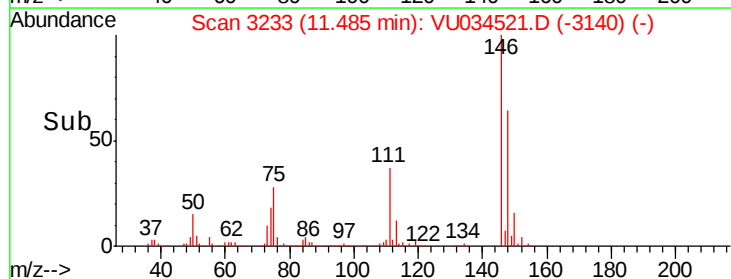
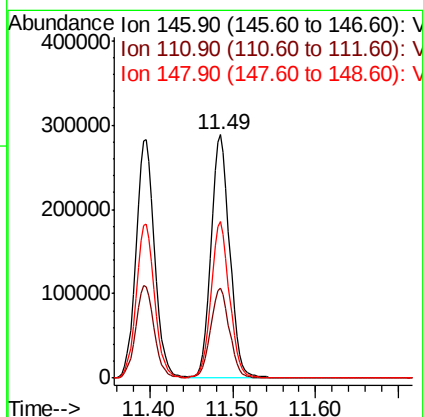
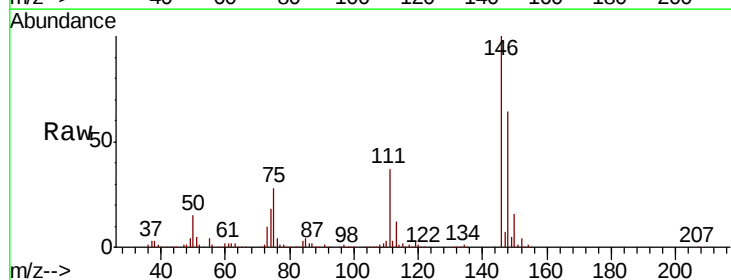
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

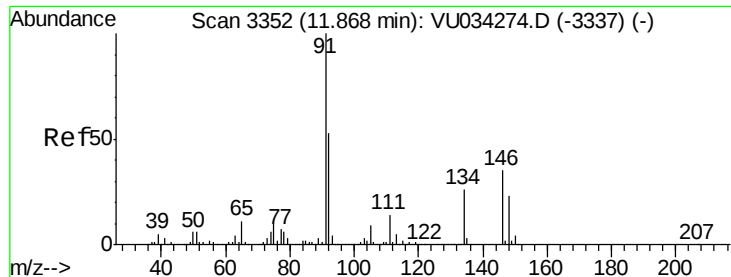
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.5	58.5
148	64.0	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 55.690 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.1	57.3
148	63.3	32.0	96.0

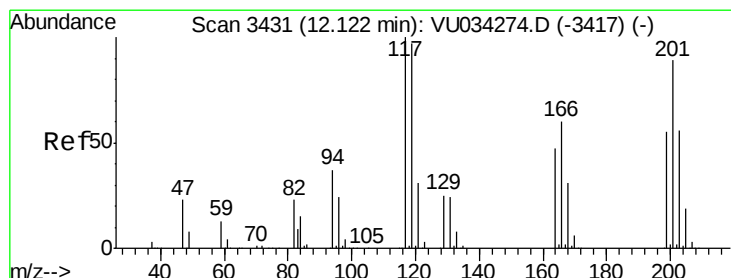
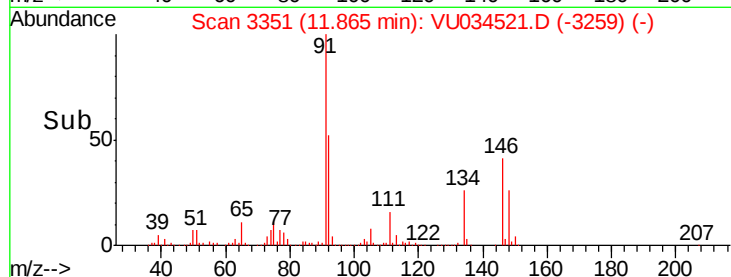
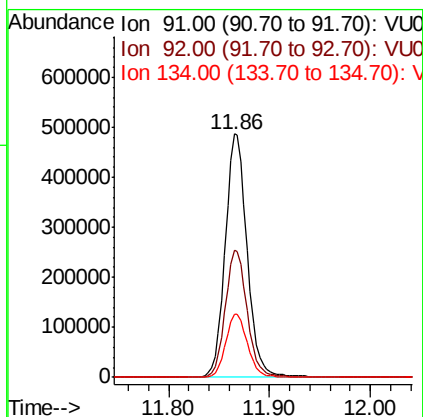
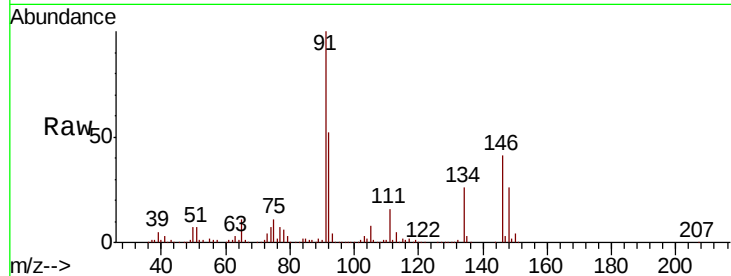




#89
n-Butylbenzene
Concen: 60.793 ug/l
RT: 11.86 min Scan# 3351
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

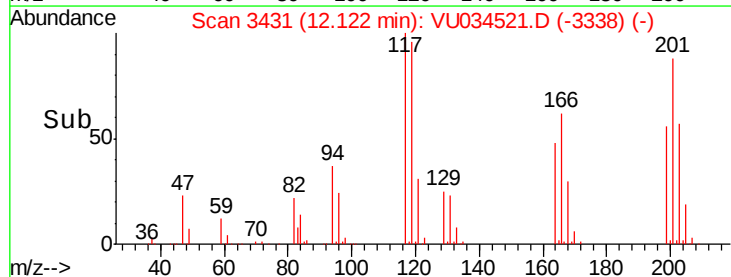
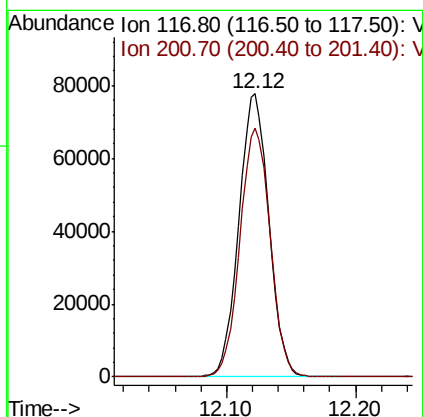
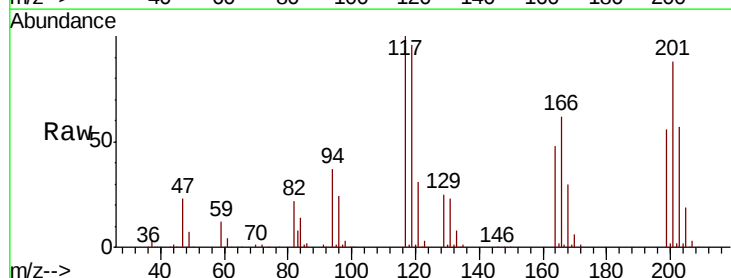
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

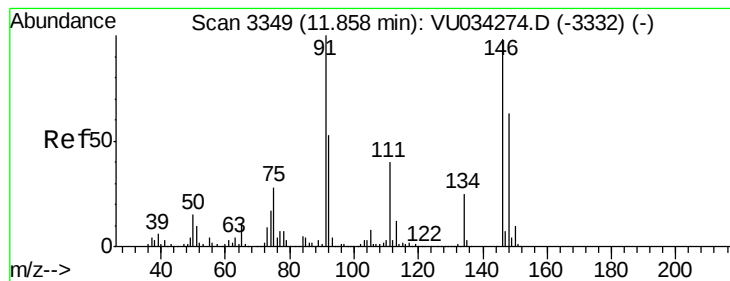
Tgt Ion: 91 Resp: 738101
Ion Ratio Lower Upper
91 100
92 52.5 26.5 79.4
134 26.2 13.2 39.6



#90
Hexachloroethane
Concen: 56.228 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. 0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion: 117 Resp: 125682
Ion Ratio Lower Upper
117 100
201 88.6 44.1 132.4





#91

1,2-Dichlorobenzene

Concen: 57.016 ug/l

RT: 11.86 min Scan# 3348

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

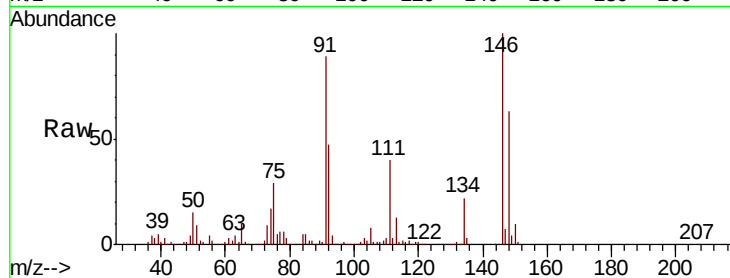
Tgt Ion:146 Resp: 438145

Ion Ratio Lower Upper

146 100

111 40.2 20.0 60.0

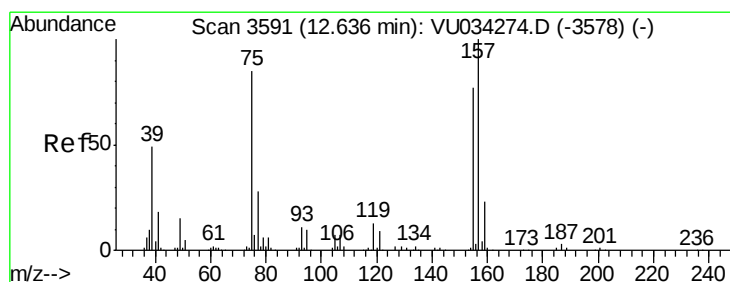
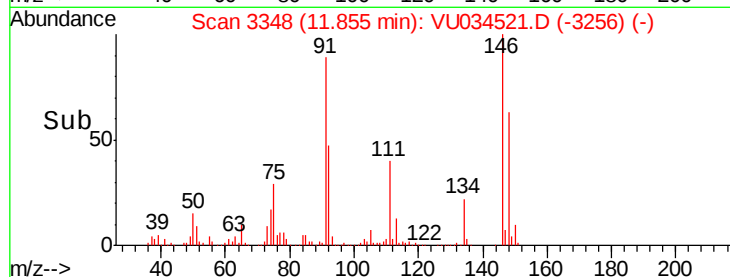
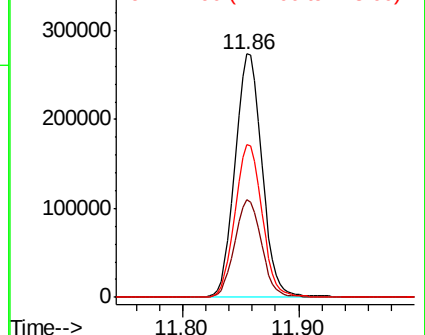
148 63.5 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 58.584 ug/l

RT: 12.64 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

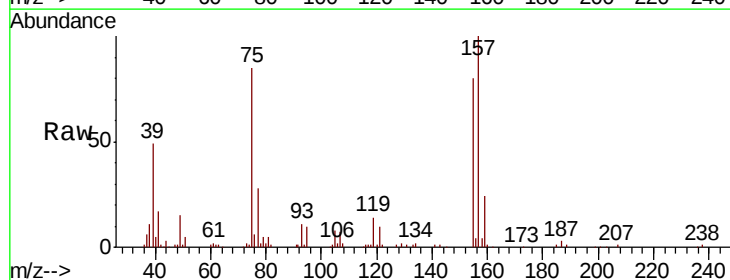
Tgt Ion: 75 Resp: 66778

Ion Ratio Lower Upper

75 100

155 91.6 44.6 134.0

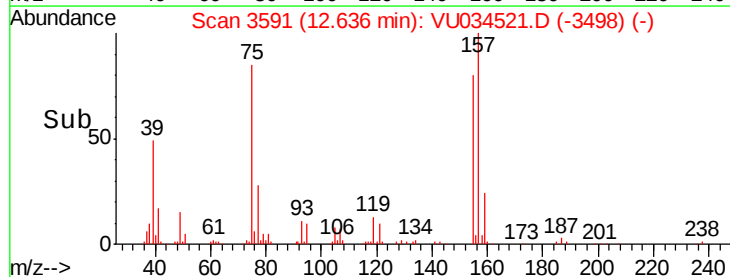
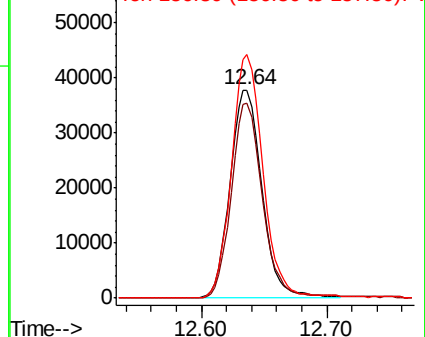
157 115.6 58.2 174.6

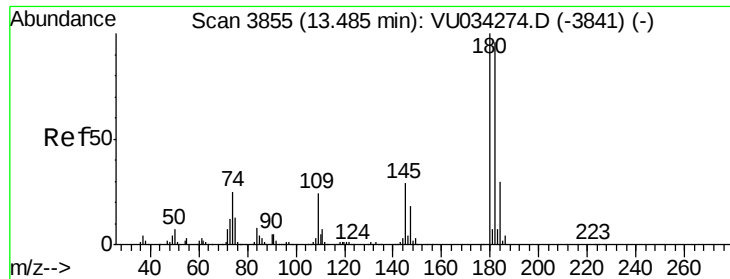


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

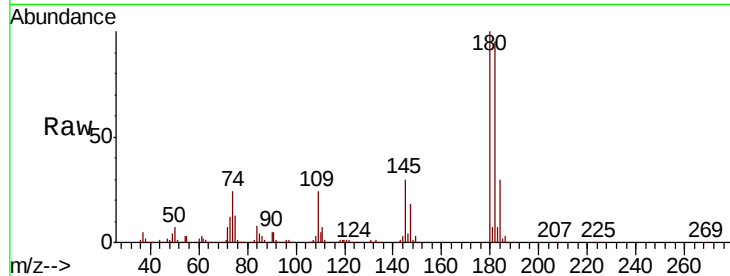




#93
 1,2,4-Trichlorobenzene
 Concen: 52.580 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.9	143.8
145	29.1	14.4	43.0

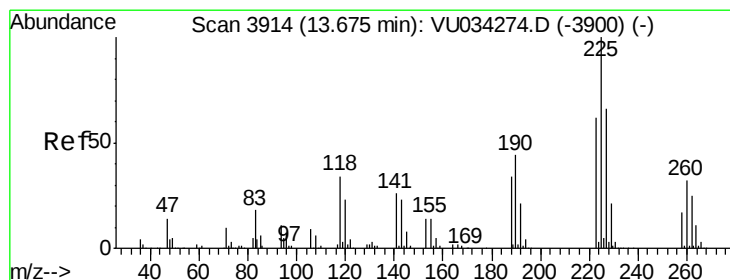
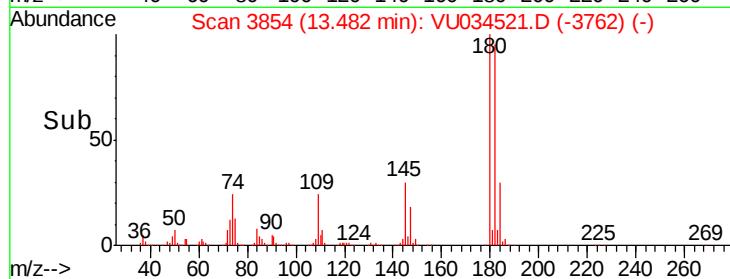
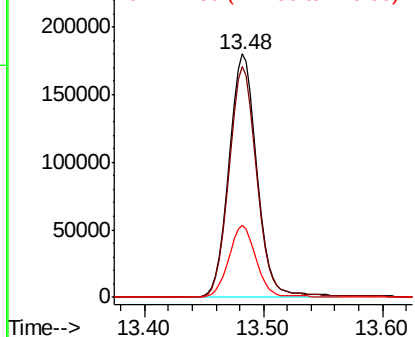


Abundance

Ion 179.80 (179.50 to 180.50): V

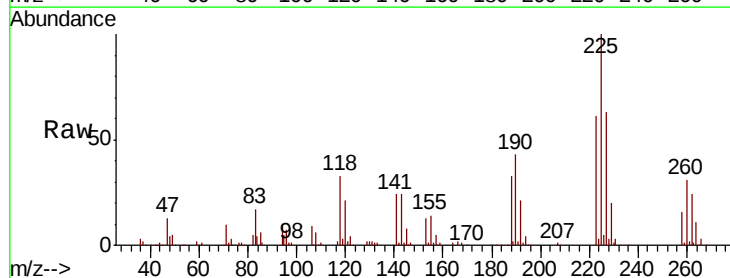
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 53.626 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.6	94.7
227	63.7	32.3	96.8

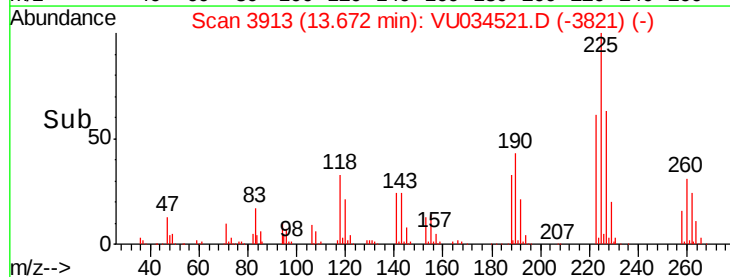
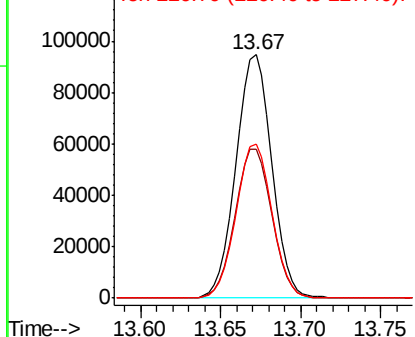


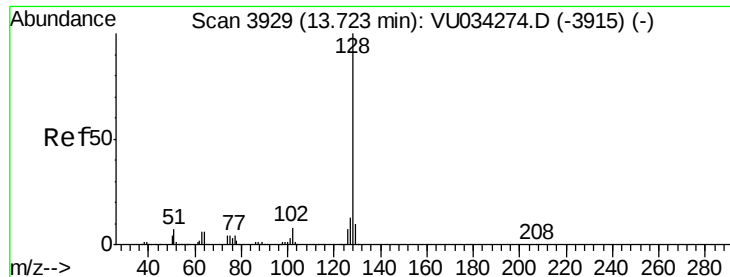
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

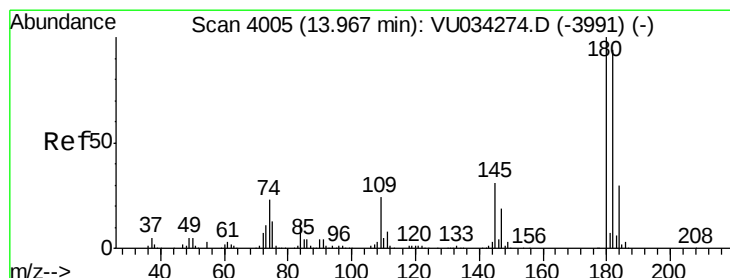
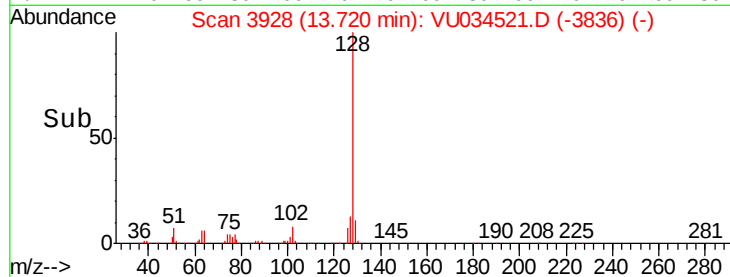
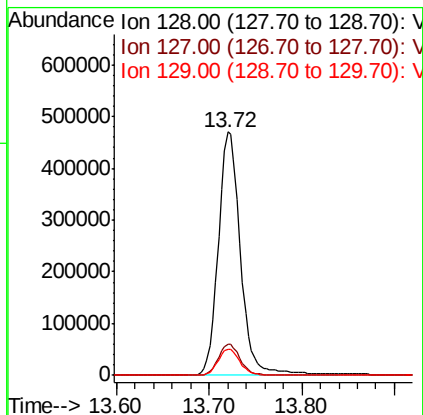
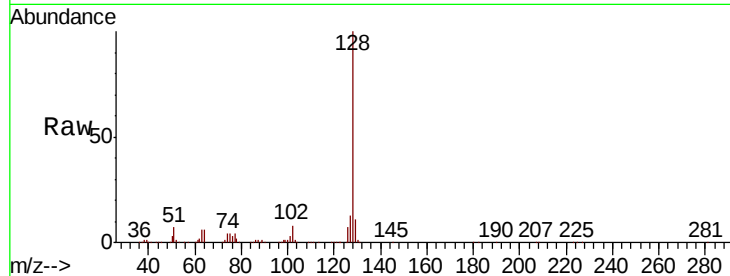




#95
Naphthalene
Concen: 49.827 ug/l
RT: 13.72 min Scan# 3928
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 781783
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 10.5 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 54.297 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. 0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion:180 Resp: 293577
Ion Ratio Lower Upper
180 100
182 94.6 48.4 145.0
145 30.5 15.4 46.4

