

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
 Data File : VU034506.D
 Acq On : 12 Sep 2019 09:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 13 07:04:28 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	262136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	360921	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	363158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	250206	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	190980	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
35) Dibromofluoromethane	4.86	113	170814	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
50) Toluene-d8	7.54	98	645888	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
62) 4-Bromofluorobenzene	10.29	95	247039	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	125874	45.913	ug/l	96
3) Chloromethane	1.32	50	145108	48.990	ug/l	97
4) Vinyl Chloride	1.40	62	151620	44.381	ug/l	100
5) Bromomethane	1.61	94	90206	52.214	ug/l	99
6) Chloroethane	1.68	64	101638	51.211	ug/l	98
7) Trichlorofluoromethane	1.87	101	222827	48.645	ug/l	100
8) Diethyl Ether	2.09	74	97418	48.349	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.27	101	149949	49.424	ug/l	99
10) Methyl Iodide	2.40	142	131884	47.705	ug/l	100
11) Tert butyl alcohol	2.81	59	219957	262.506	ug/l	98
12) 1,1-Dichloroethene	2.27	96	134794	47.262	ug/l	97
13) Acrolein	2.18	56	145930	207.211	ug/l	99
14) Allyl chloride	2.58	41	220370	40.416	ug/l	90
15) Acrylonitrile	2.92	53	530325	254.158	ug/l	98
16) Acetone	2.31	43	560545	273.106	ug/l	98
17) Carbon Disulfide	2.46	76	260771	40.682	ug/l	99
18) Methyl Acetate	2.60	43	235887	47.232	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	530341	51.016	ug/l	99
20) Methylene Chloride	2.68	84	175749	52.296	ug/l	98
21) trans-1,2-Dichloroethene	2.96	96	141880	47.207	ug/l	99
22) Diisopropyl ether	3.55	45	549390	51.667	ug/l	99
23) Vinyl Acetate	3.50	43	2217079	255.970	ug/l	99
24) 1,1-Dichloroethane	3.42	63	305403	48.094	ug/l	100
25) 2-Butanone	4.23	43	738225	269.445	ug/l	100
26) 2,2-Dichloropropane	4.20	77	256074	50.139	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	181593	49.748	ug/l	99
28) Bromochloromethane	4.52	49	151123	51.740	ug/l	100
29) Tetrahydrofuran	4.61	42	422501	253.422	ug/l	99
30) Chloroform	4.65	83	318698	49.375	ug/l	100
31) Cyclohexane	4.97	56	206673	44.487	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	257114	49.822	ug/l	99
36) 1,1-Dichloropropene	5.11	75	197386	50.428	ug/l	100
37) Ethyl Acetate	4.36	43	241375	52.157	ug/l	99
38) Carbon Tetrachloride	5.11	117	220914	52.859	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	204912	48.972	ug/l	99
40) Benzene	5.37	78	658674	52.150	ug/l	99
41) Methacrylonitrile	4.52	41	134815	54.690	ug/l	99
42) 1,2-Dichloroethane	5.38	62	230628	52.593	ug/l	100
43) Isopropyl Acetate	5.53	43	377599	52.303	ug/l	100
44) Trichloroethene	6.16	130	178116	50.962	ug/l	100
45) 1,2-Dichloropropane	6.41	63	191837	51.955	ug/l	97
46) Dibromomethane	6.54	93	124749	53.824	ug/l	99
47) Bromodichloromethane	6.73	83	257061	53.882	ug/l	100
48) Methyl methacrylate	6.60	41	180026	52.502	ug/l	99
49) 1,4-Dioxane	6.59	88	86534	1155.702	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	1339673	268.080	ug/l	99
52) Toluene	7.61	92	423782	53.487	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	266084	53.803	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	293575	54.087	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	194298	54.007	ug/l	98
56) Ethyl methacrylate	8.00	69	269439	49.338	ug/l	99
57) 1,3-Dichloropropane	8.22	76	309756	52.876	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	458204	247.930	ug/l	100
59) 2-Hexanone	8.34	43	1047093	280.479	ug/l	100
60) Dibromochloromethane	8.45	129	215235	55.777	ug/l	99
61) 1,2-Dibromoethane	8.57	107	190425	54.078	ug/l	100
64) Tetrachloroethene	8.21	164	162599	51.609	ug/l	97
65) Chlorobenzene	9.10	112	485023	52.643	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	188392	53.579	ug/l	99
67) Ethyl Benzene	9.23	91	807105	53.576	ug/l	99
68) m/p-Xylenes	9.35	106	644499	113.614	ug/l	100
69) o-Xylene	9.76	106	308863	55.674	ug/l	100
70) Styrene	9.77	104	569135	58.513	ug/l	100
71) Bromoform	9.94	173	169561	55.642	ug/l #	99
73) Isopropylbenzene	10.14	105	860873	52.870	ug/l	100
74) N-amyl acetate	9.99	43	346008	52.791	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.43	83	331324	50.270	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	358509	65.642	ug/l	85
77) Bromobenzene	10.43	156	236051	51.847	ug/l	98
78) n-propylbenzene	10.57	91	1010228	53.721	ug/l	99
79) 2-Chlorotoluene	10.64	91	602992	52.552	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	759096	55.742	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.47	75	358509	220.751	ug/l #	100
82) 4-Chlorotoluene	10.75	91	711165	53.859	ug/l	100
83) tert-Butylbenzene	11.08	119	729305	53.534	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	769122	56.107	ug/l	100
85) sec-Butylbenzene	11.30	105	885321	55.047	ug/l	100
86) p-Isopropyltoluene	11.45	119	822552	55.411	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	438060	52.728	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	440509	50.835	ug/l	99
89) n-Butylbenzene	11.87	91	715466	55.462	ug/l	100
90) Hexachloroethane	12.12	117	125732	52.941	ug/l	99
91) 1,2-Dichlorobenzene	11.85	146	427420	52.348	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	66048	54.534	ug/l	99

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

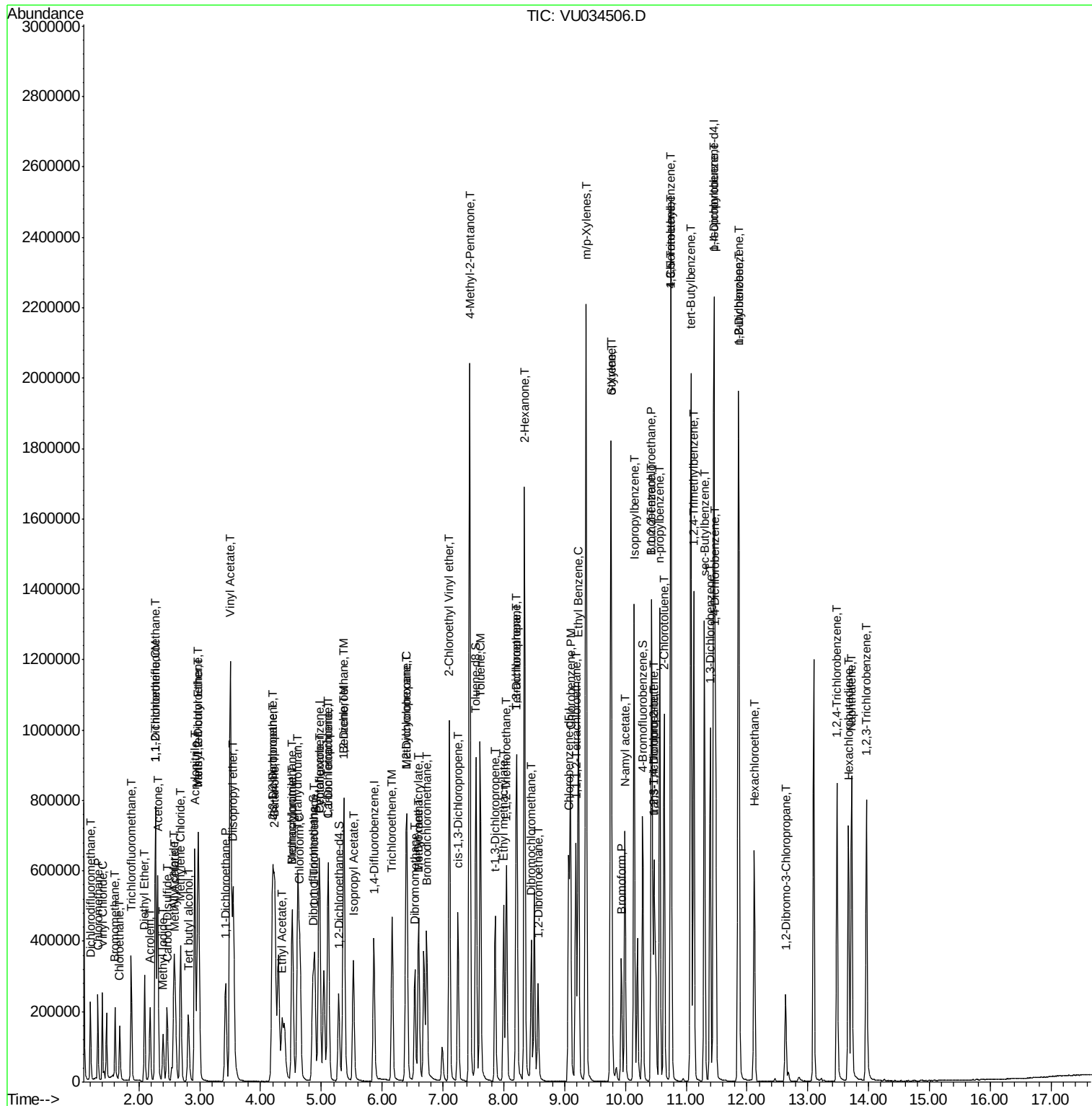
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	291062	49.210	ug/l	98
94) Hexachlorobutadiene	13.67	225	147535	51.657	ug/l	100
95) Naphthalene	13.72	128	733860	44.483	ug/l	100
96) 1,2,3-Trichlorobenzene	13.96	180	280506	49.093	ug/l	99

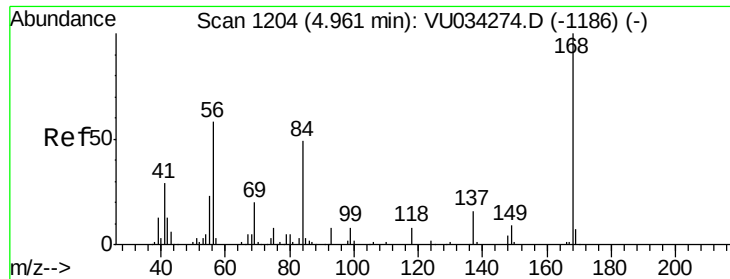
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator  : JC/SP  
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```

Instrument :
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ClientSampleId :
VSTDCCC050

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

Instrument :

MSVOA_U

ClientSampleId :

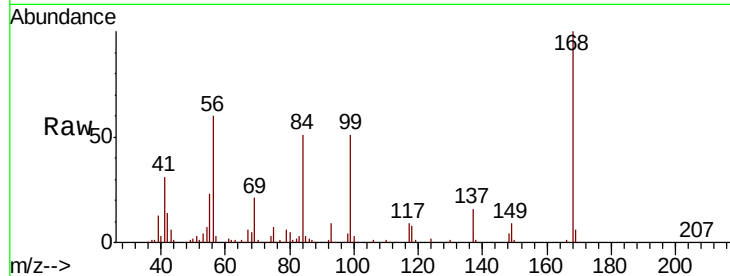
VSTDCCC050

Tgt Ion:168 Resp: 262136

Ion Ratio Lower Upper

168 100

99 50.7 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) (-)

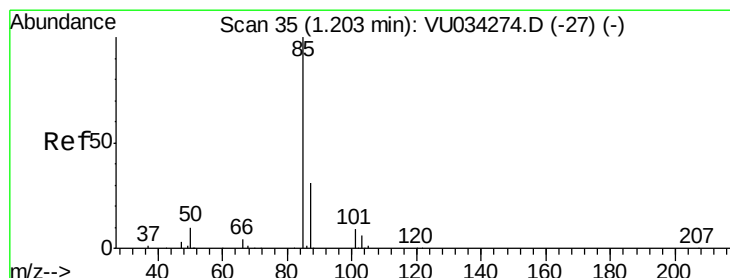
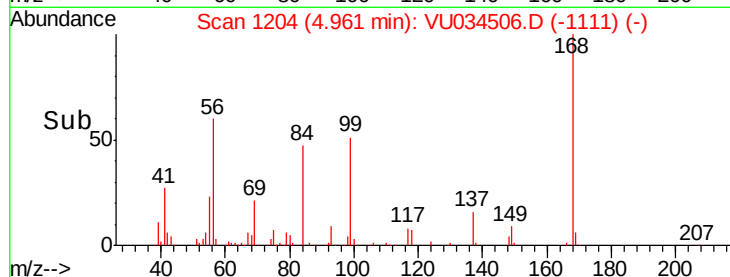
4.96

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.913 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034506.D

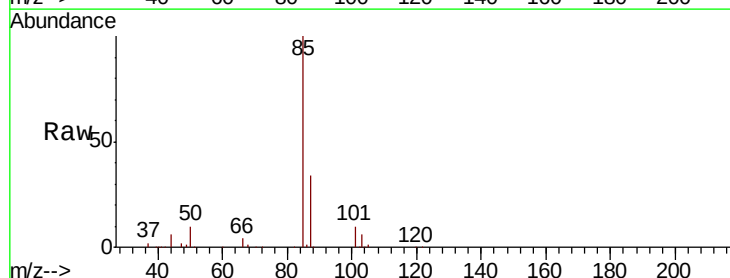
Acq: 12 Sep 2019 09:27

Tgt Ion: 85 Resp: 125874

Ion Ratio Lower Upper

85 100

87 33.6 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

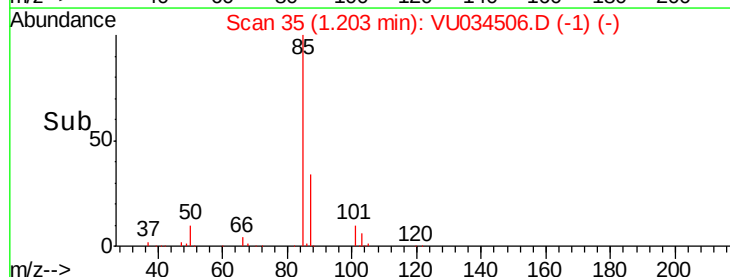
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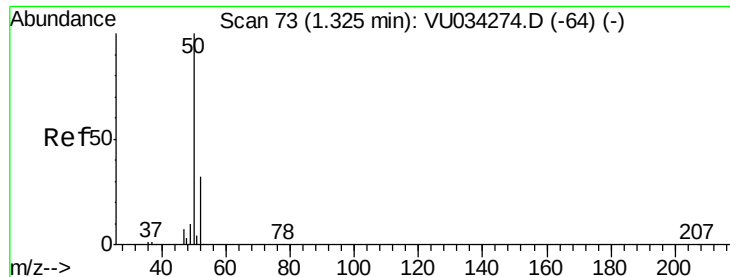
100000

50000

0

Time-->





#3

Chloromethane

Concen: 48.990 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

Instrument :

MSVOA_U

ClientSampleId :

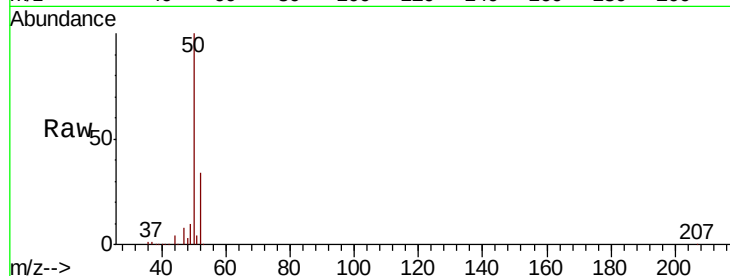
VSTDCCC050

Tgt Ion: 50 Resp: 145108

Ion Ratio Lower Upper

50 100

52 33.8 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VU034274.D (-64) (-)

Ion 51.90 (51.60 to 52.60): VU034506.D (-1) (-)

1.32

150000

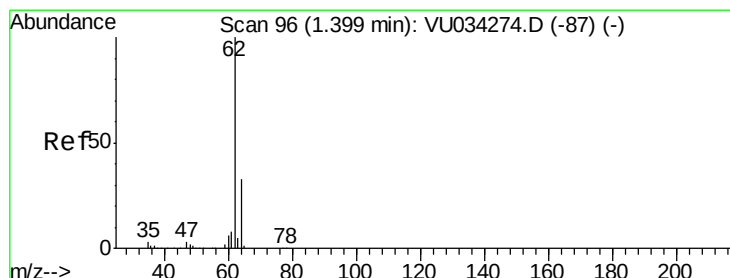
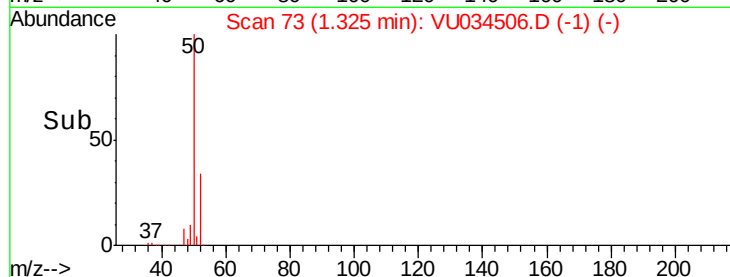
100000

50000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 44.381 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034506.D

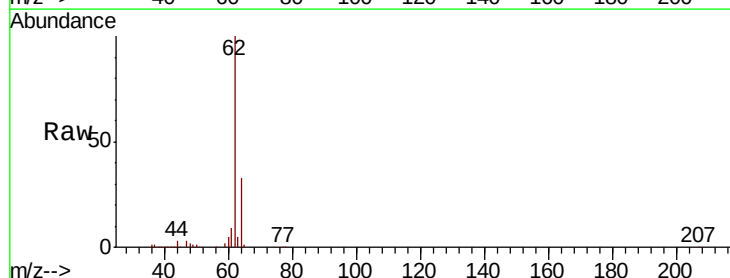
Acq: 12 Sep 2019 09:27

Tgt Ion: 62 Resp: 151620

Ion Ratio Lower Upper

62 100

64 32.6 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VU034274.D (-87) (-)

Ion 63.90 (63.60 to 64.60): VU034506.D (-3) (-)

1.40

150000

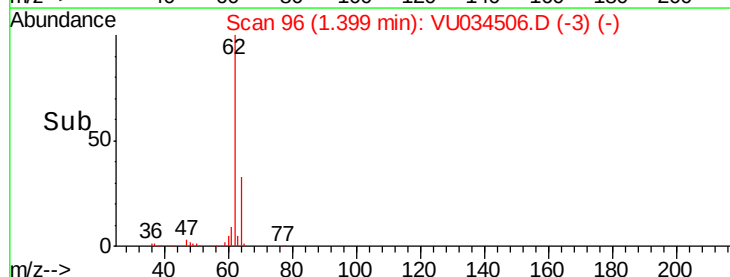
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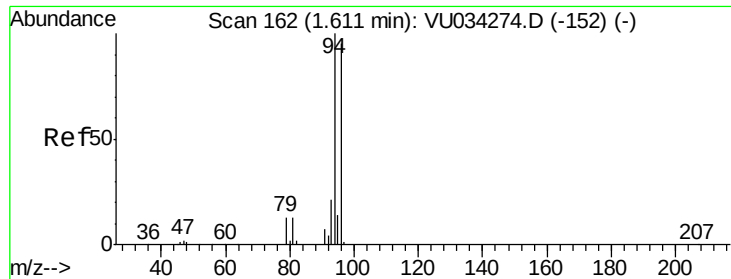
50000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 52.214 ug/l

RT: 1.61 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

Instrument :

MSVOA_U

ClientSampleId :

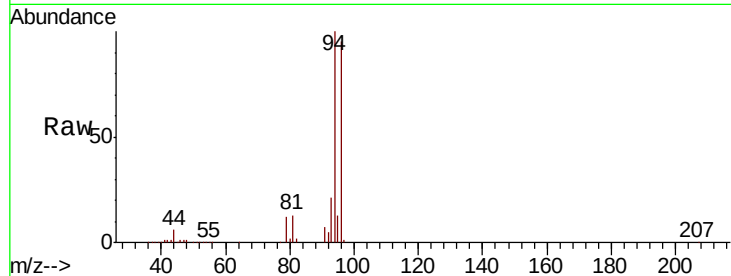
VSTDCCC050

Tgt Ion: 94 Resp: 90206

Ion Ratio Lower Upper

94 100

96 95.1 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

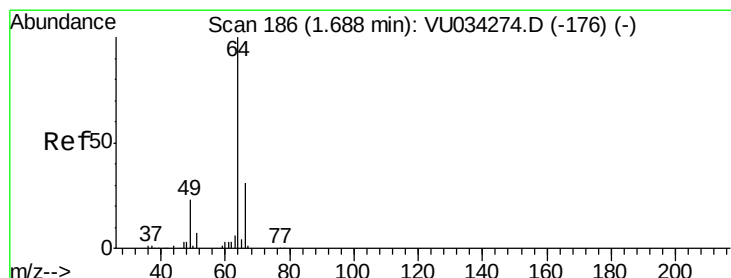
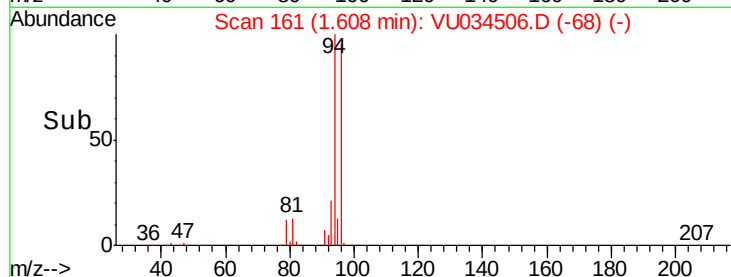
40000

20000

0

1.55 1.60 1.65

Time-->



#6

Chloroethane

Concen: 51.211 ug/l

RT: 1.68 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU034506.D

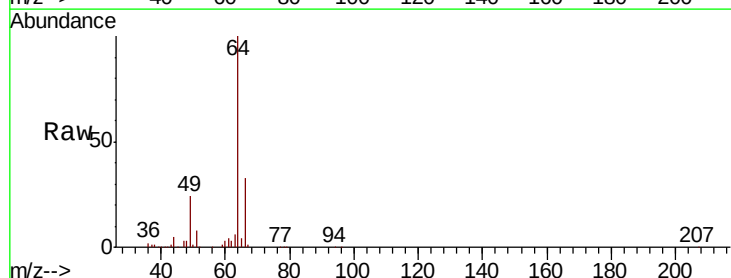
Acq: 12 Sep 2019 09:27

Tgt Ion: 64 Resp: 101638

Ion Ratio Lower Upper

64 100

66 32.7 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) (-)

1.68

80000

60000

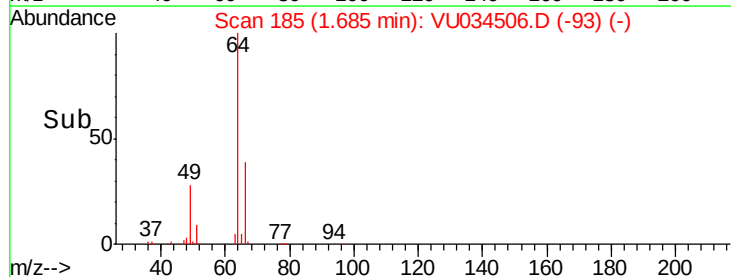
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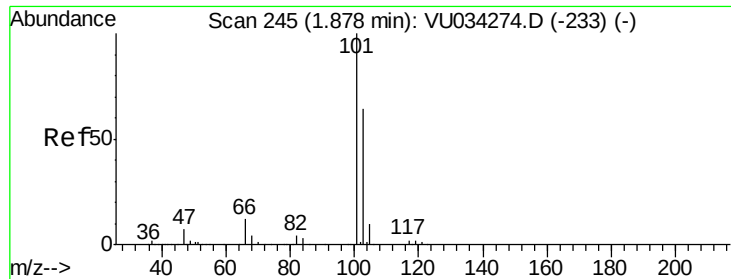
20000

0

1.60 1.65 1.70 1.75

Time-->



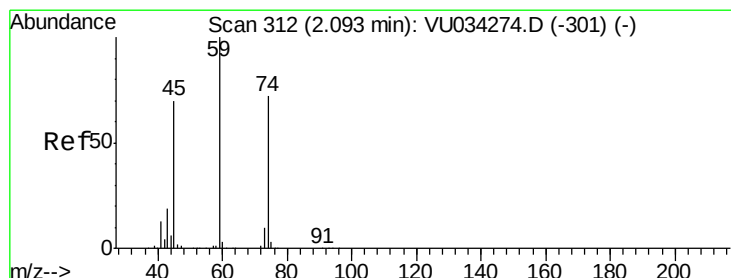
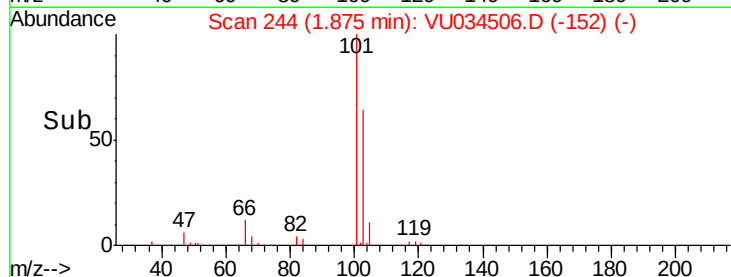
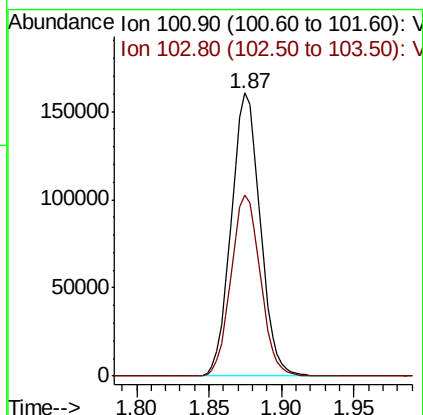
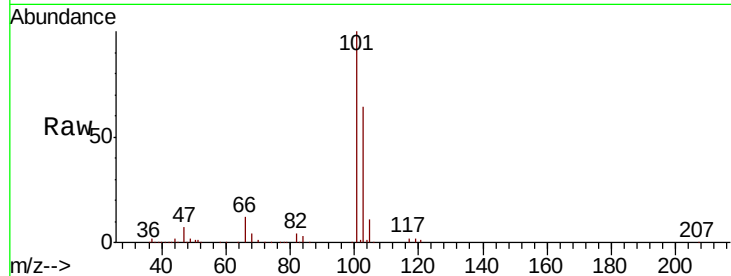


#7

Trichlorofluoromethane
 Concen: 48.645 ug/l
 RT: 1.87 min Scan# 244
 Delta R.T. -0.00 min
 Lab File: VU034506.D
 Acq: 12 Sep 2019 09:27

Instrument :
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 VSTDCCC050

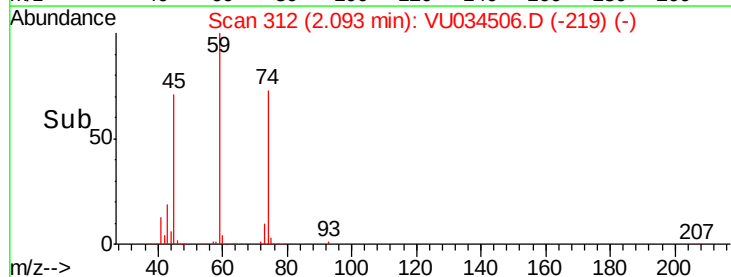
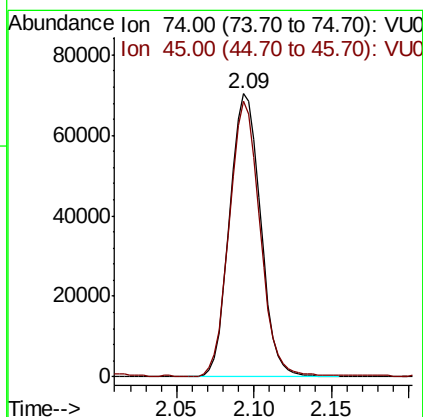
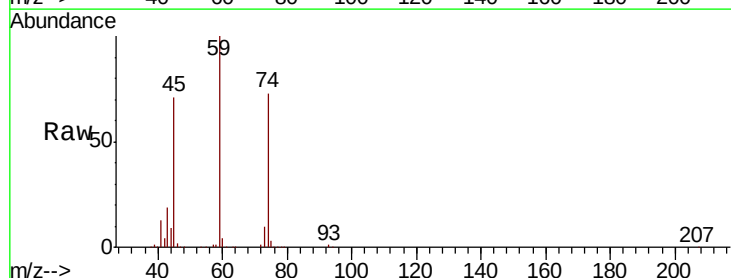
Tgt Ion:101 Resp: 222827
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.0 76.6

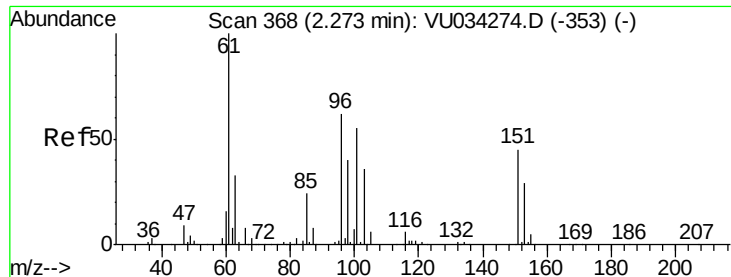


#8

Diethyl Ether
 Concen: 48.349 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034506.D
 Acq: 12 Sep 2019 09:27

Tgt Ion: 74 Resp: 97418
 Ion Ratio Lower Upper
 74 100
 45 96.0 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.424 ug/l

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

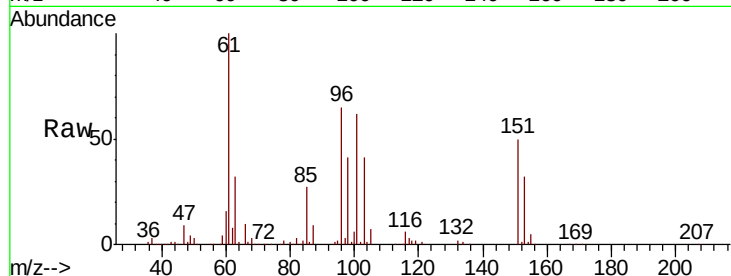
Tgt Ion:101 Resp: 149949

Ion Ratio Lower Upper

101 100

85 42.5 34.4 51.6

151 80.8 64.4 96.6



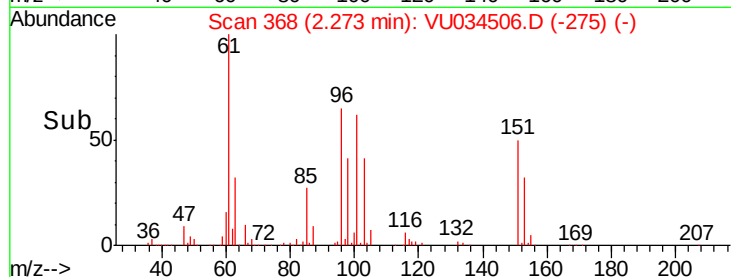
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V

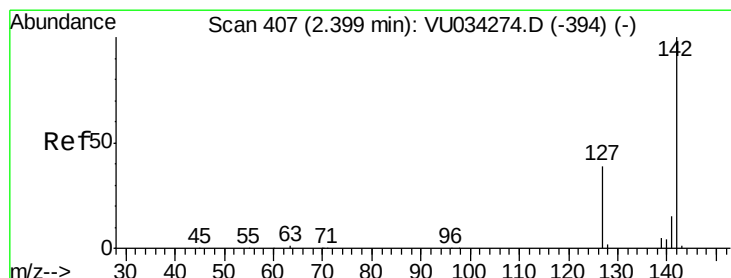
2.27

Time-->



2.27

Time-->



#10

Methyl Iodide

Concen: 47.705 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

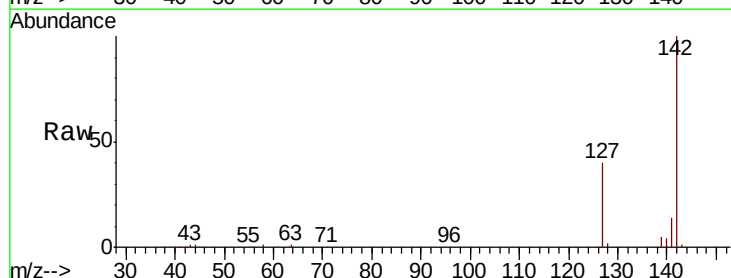
Tgt Ion:142 Resp: 131884

Ion Ratio Lower Upper

142 100

127 40.3 32.1 48.1

141 14.5 11.5 17.3



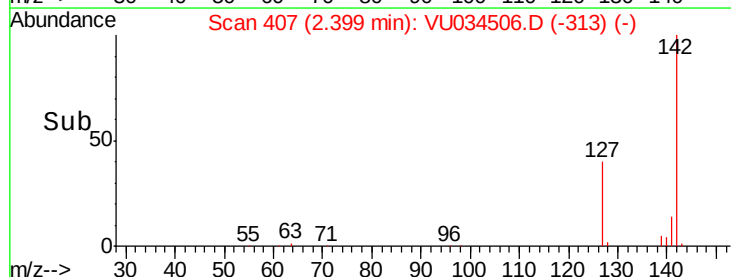
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

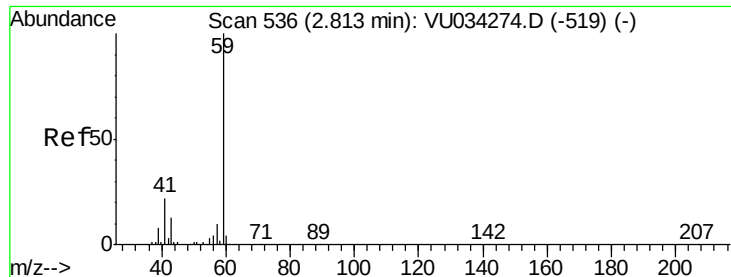
2.40

Time-->



2.40

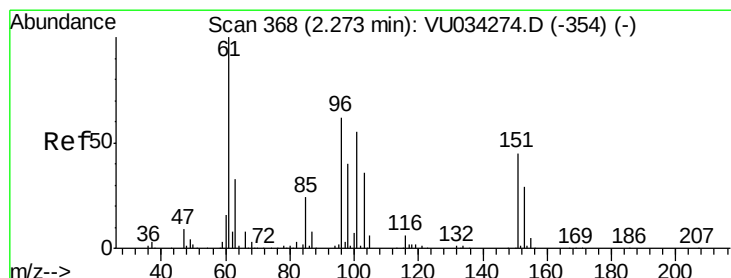
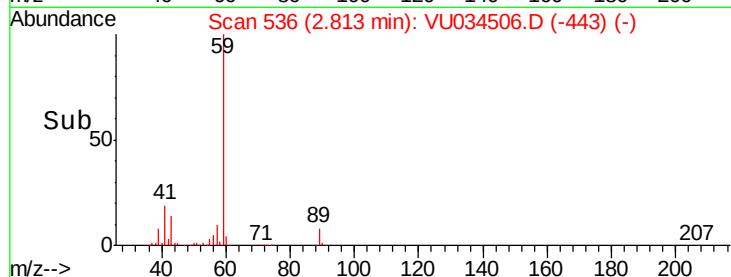
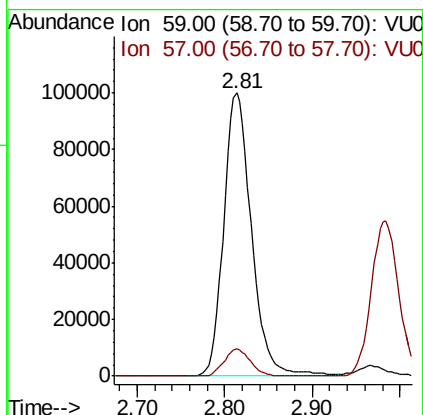
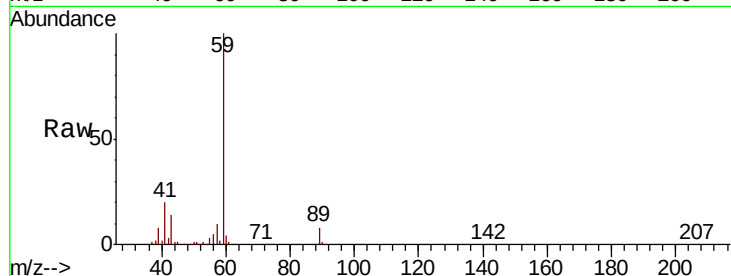
Time-->



#11
Tert butyl alcohol
Concen: 262.506 ug/l
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VU034506.D
Acq: 12 Sep 2019 09:27

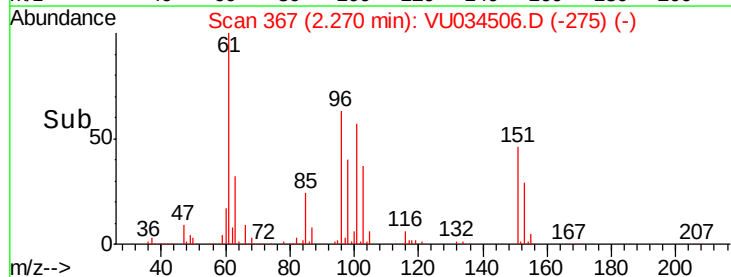
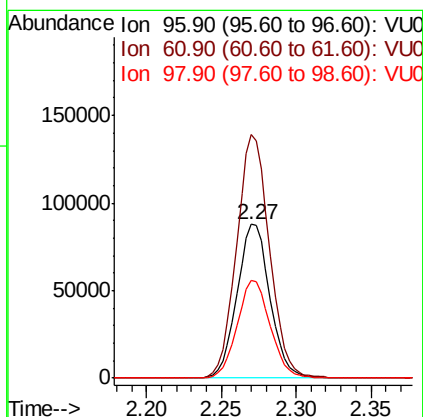
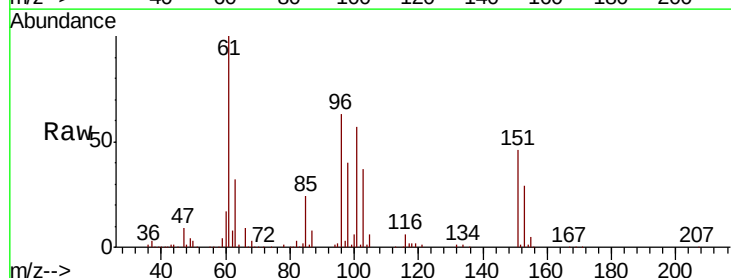
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

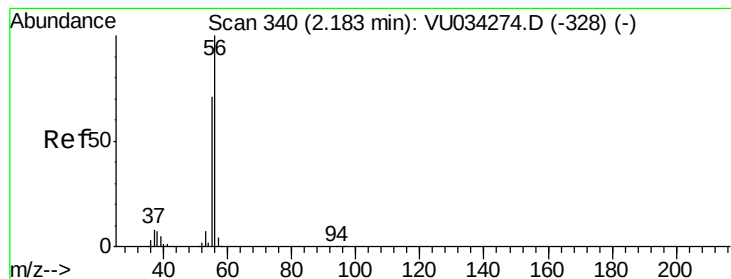
Tgt Ion: 59 Resp: 219957
Ion Ratio Lower Upper
59 100
57 9.3 7.9 11.9



#12
1,1-Dichloroethene
Concen: 47.262 ug/l
RT: 2.27 min Scan# 367
Delta R.T. -0.00 min
Lab File: VU034506.D
Acq: 12 Sep 2019 09:27

Tgt Ion: 96 Resp: 134794
Ion Ratio Lower Upper
96 100
61 158.3 130.0 195.0
98 63.2 52.2 78.4





#13

Acrolein

Concen: 207.211 ug/l

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

Instrument :

MSVOA_U

ClientSampleId :

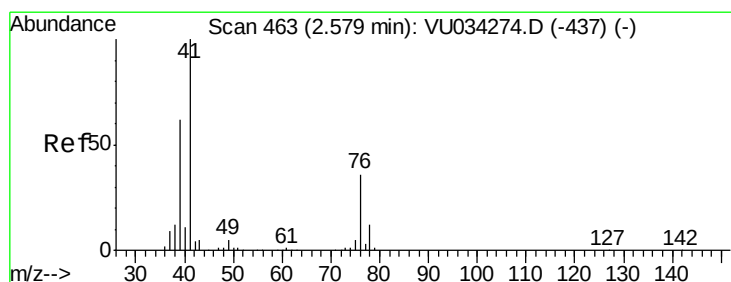
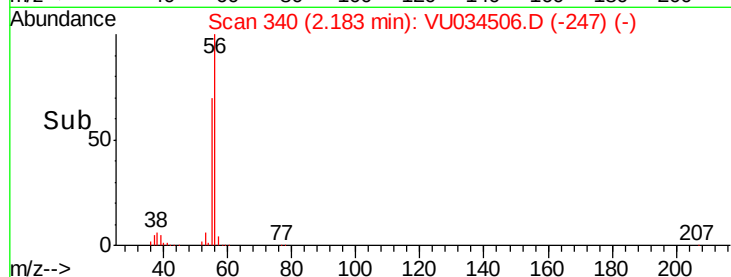
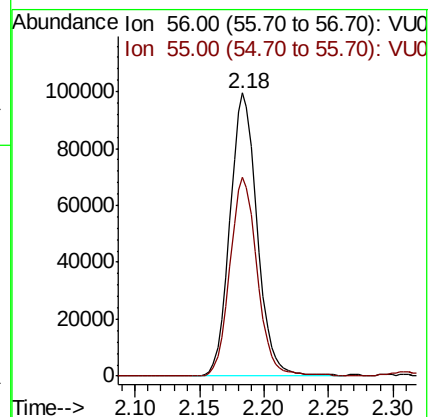
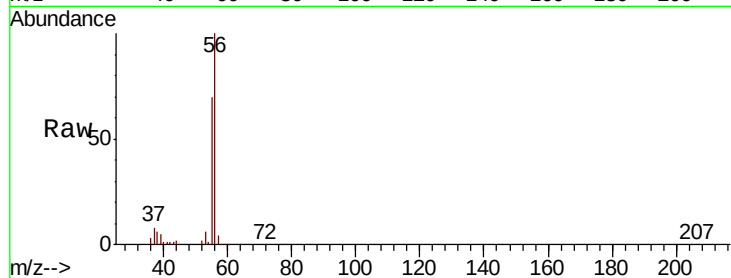
VSTDCCC050

Tgt Ion: 56 Resp: 145930

Ion Ratio Lower Upper

56 100

55 70.6 57.4 86.2



#14

Allyl chloride

Concen: 40.416 ug/l

RT: 2.58 min Scan# 463

Delta R.T. -0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

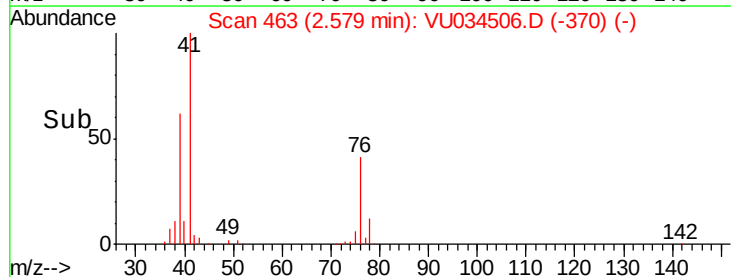
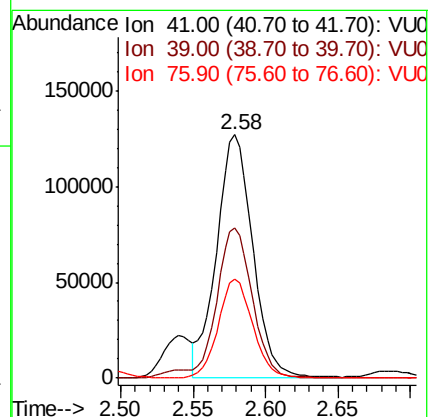
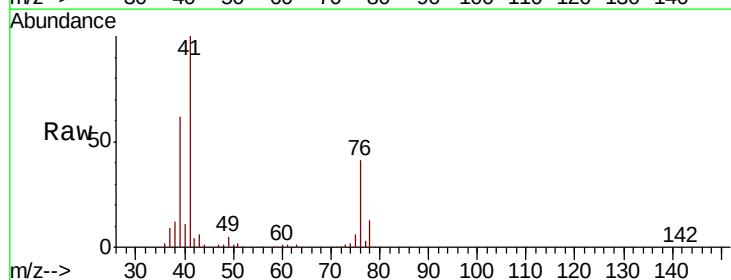
Tgt Ion: 41 Resp: 220370

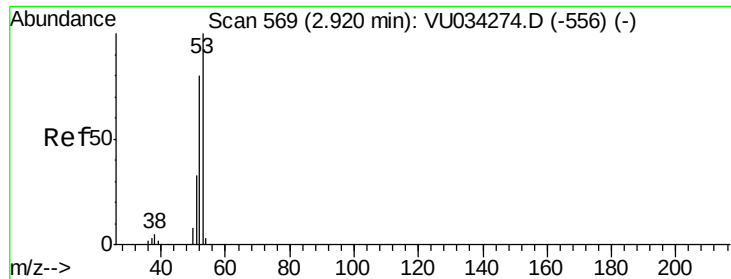
Ion Ratio Lower Upper

41 100

39 62.0 43.5 65.3

76 38.7 27.0 40.6





#15

Acrylonitrile

Concen: 254.158 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

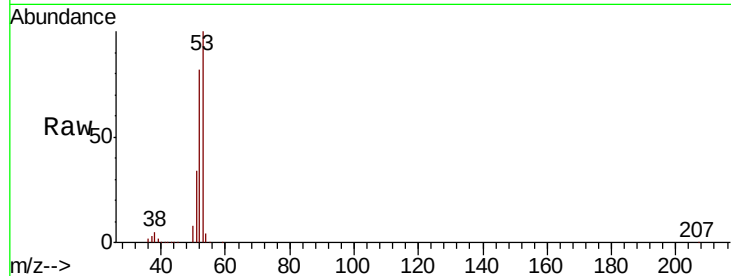
Tgt Ion: 53 Resp: 530325

Ion Ratio Lower Upper

53 100

52 81.6 64.1 96.1

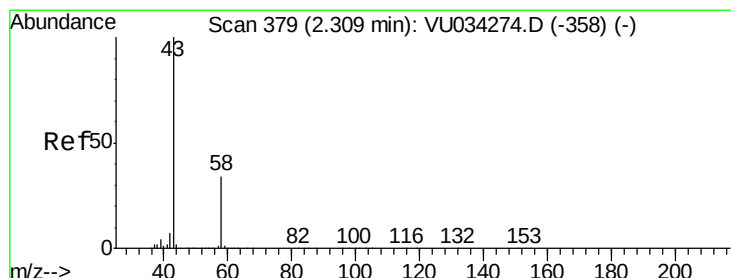
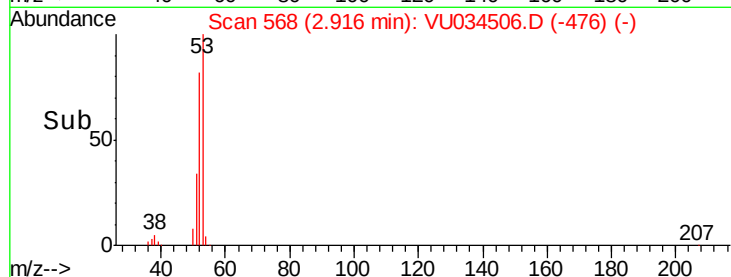
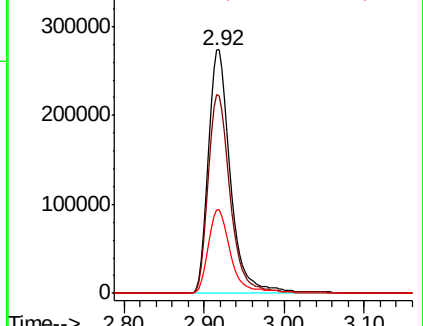
51 35.0 27.4 41.0



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) (-)



#16

Acetone

Concen: 273.106 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VU034506.D

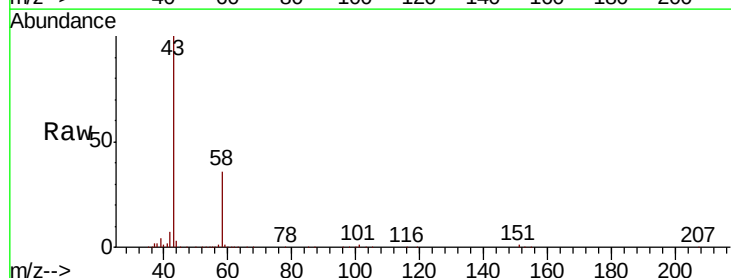
Acq: 12 Sep 2019 09:27

Tgt Ion: 43 Resp: 560545

Ion Ratio Lower Upper

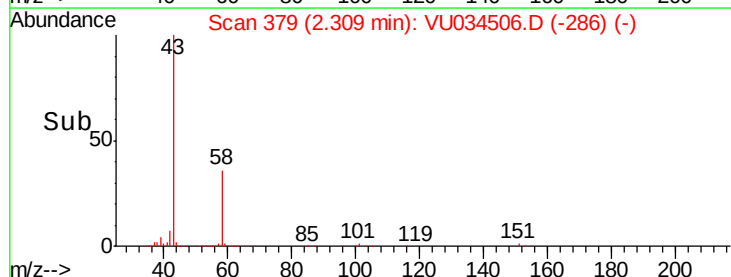
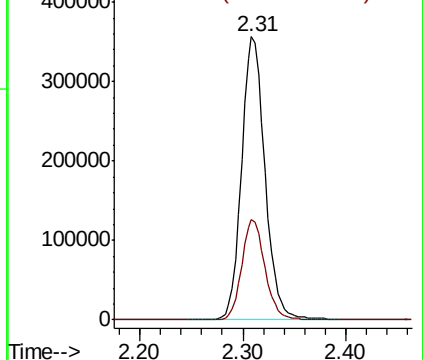
43 100

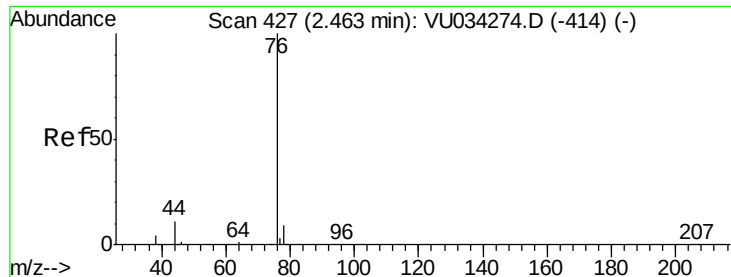
58 35.6 27.6 41.4



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

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

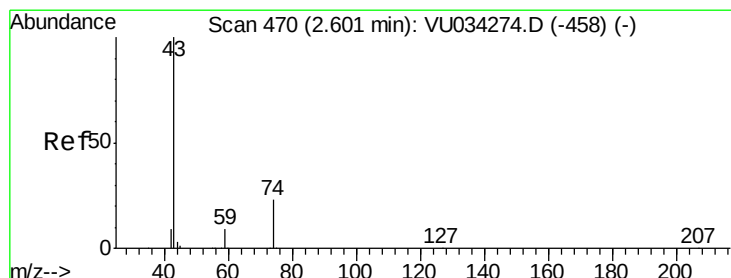
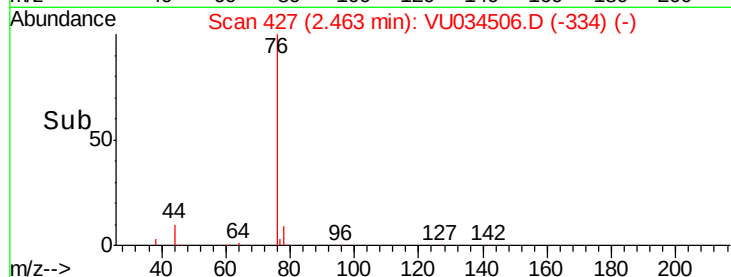
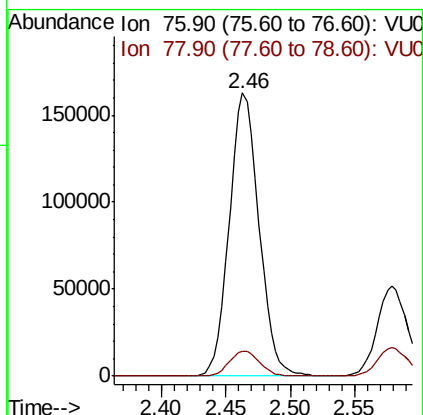
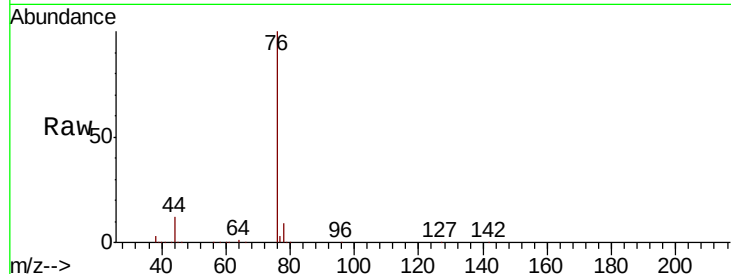




#17
Carbon Disulfide
Concen: 40.682 ug/l
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VU034506.D
Acq: 12 Sep 2019 09:27

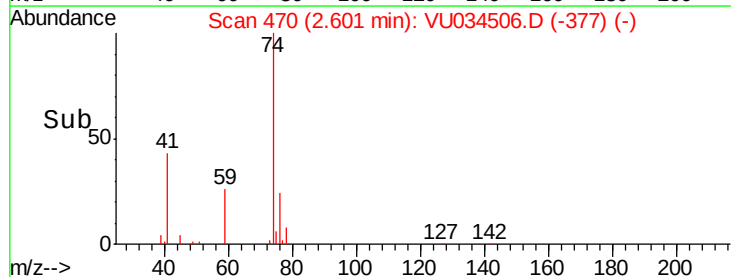
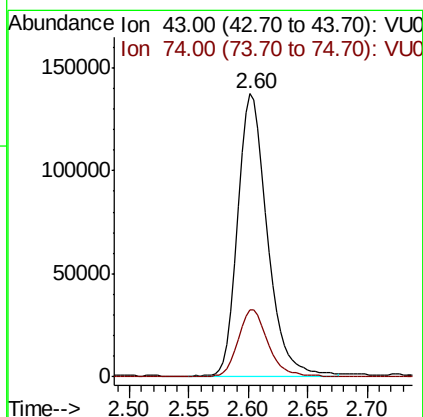
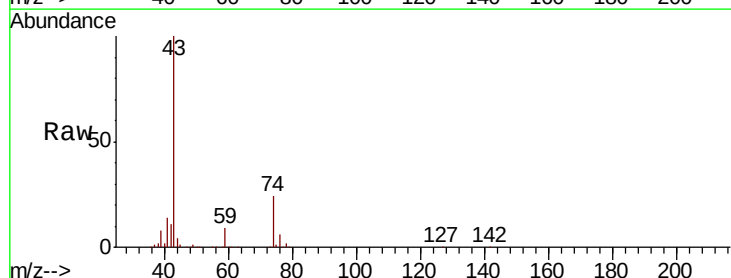
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

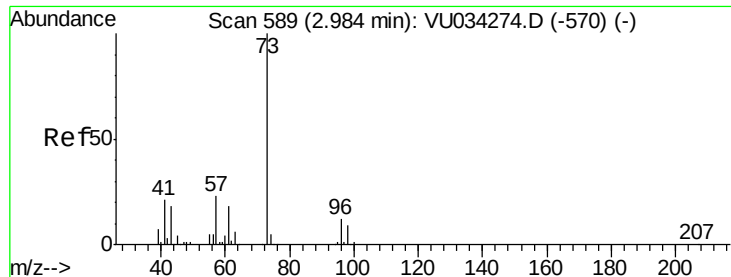
Tgt Ion: 76 Resp: 260771
Ion Ratio Lower Upper
76 100
78 8.8 7.2 10.8



#18
Methyl Acetate
Concen: 47.232 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034506.D
Acq: 12 Sep 2019 09:27

Tgt Ion: 43 Resp: 235887
Ion Ratio Lower Upper
43 100
74 24.4 18.9 28.3

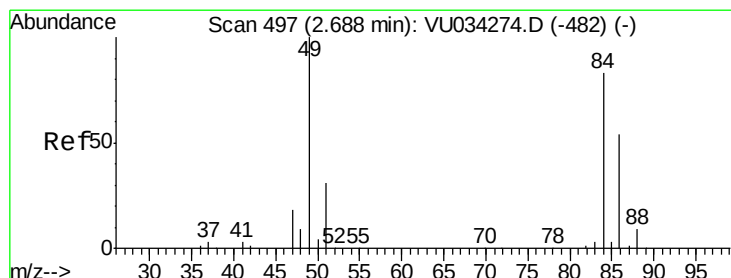
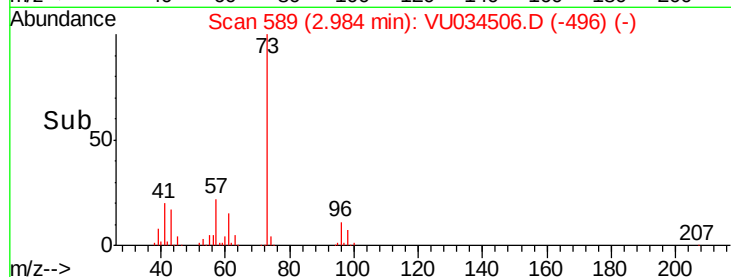
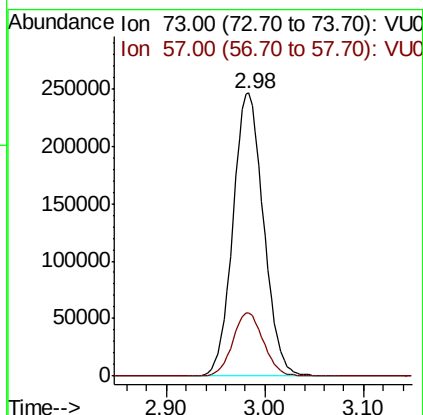
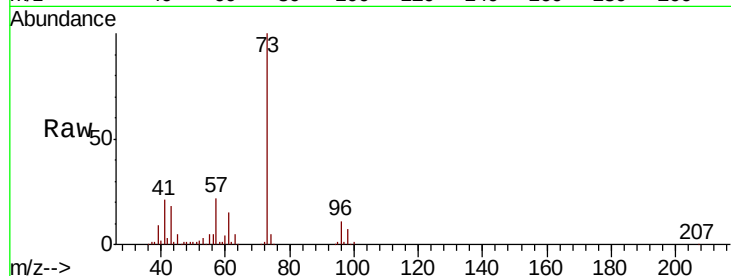




#19
Methyl tert-butyl Ether
Concen: 51.016 ug/l
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU034506.D
Acq: 12 Sep 2019 09:27

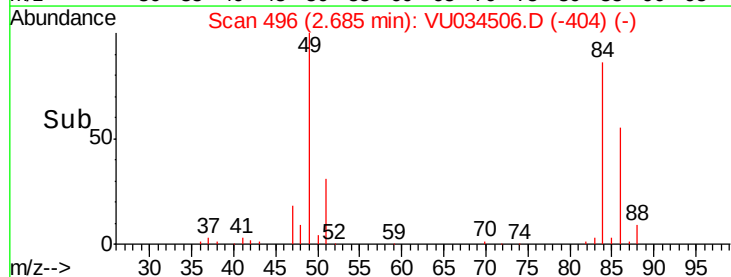
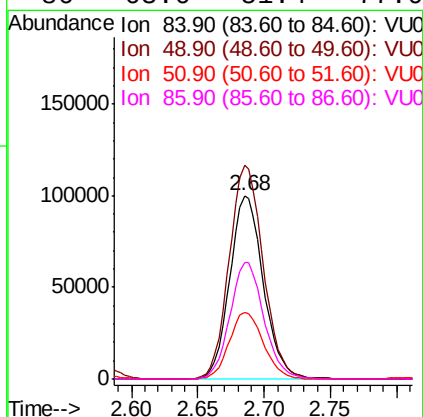
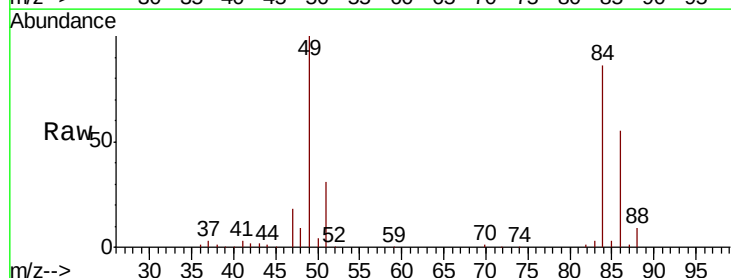
Instrument :
MSVOA_U
ClientSampled :
VSTDCCC050

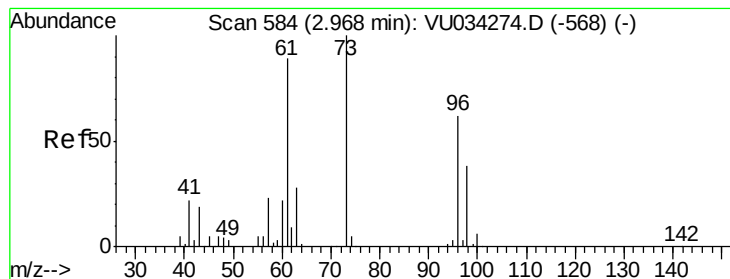
Tgt Ion: 73 Resp: 530341
Ion Ratio Lower Upper
73 100
57 22.2 18.2 27.4



#20
Methylene Chloride
Concen: 52.296 ug/l
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034506.D
Acq: 12 Sep 2019 09:27

Tgt Ion: 84 Resp: 175749
Ion Ratio Lower Upper
84 100
49 116.5 96.0 144.0
51 36.4 30.0 45.0
86 63.6 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 47.207 ug/l

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

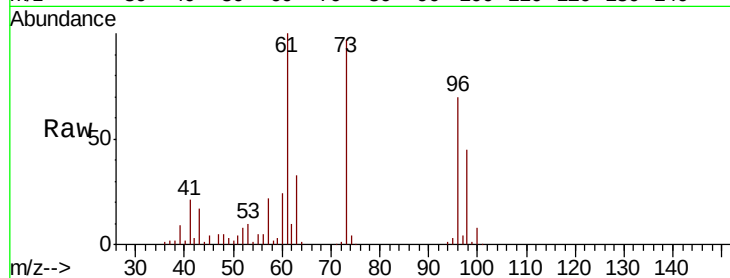
Tgt Ion: 96 Resp: 141880

Ion Ratio Lower Upper

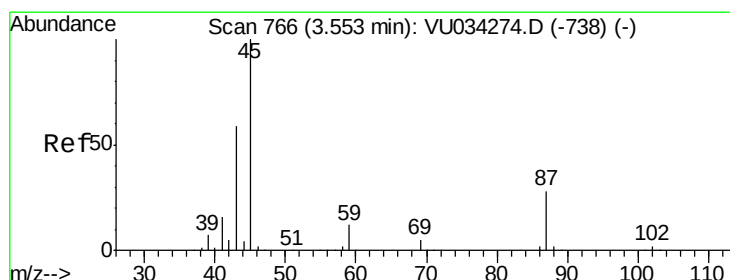
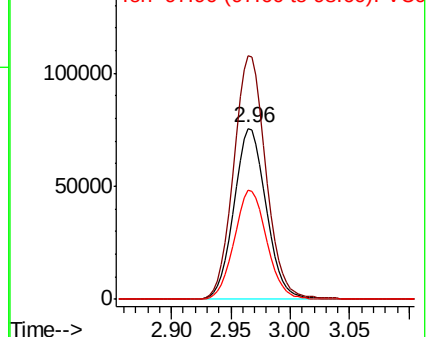
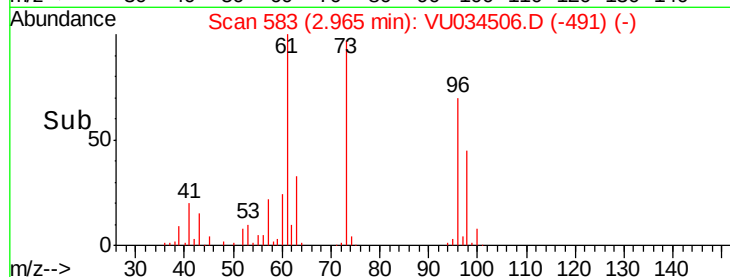
96 100

61 142.2 114.8 172.2

98 63.5 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VU034506.D (-491) (-)



#22

Diisopropyl ether

Concen: 51.667 ug/l

RT: 3.55 min Scan# 765

Delta R.T. -0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

Tgt Ion: 45 Resp: 549390

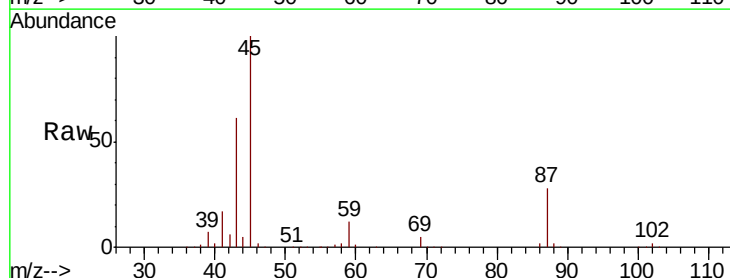
Ion Ratio Lower Upper

45 100

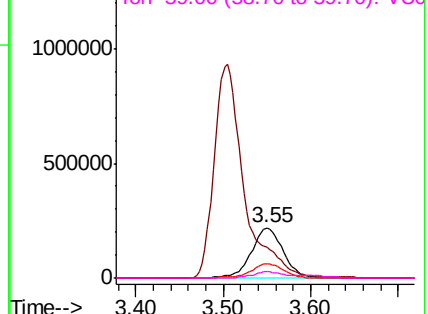
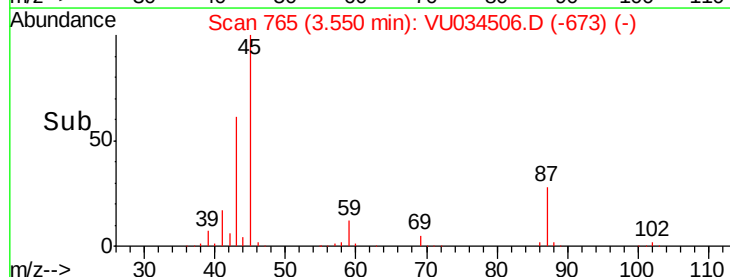
43 60.7 47.5 71.3

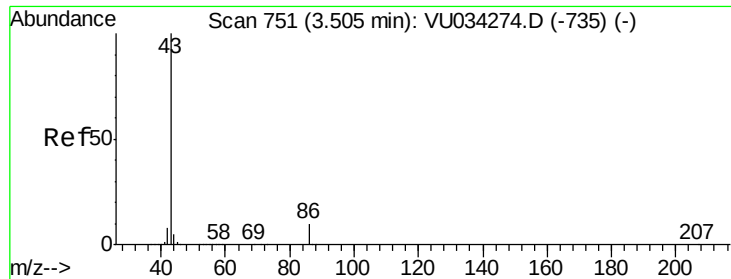
87 28.1 22.2 33.4

59 12.1 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VU034506.D (-673) (-)





#23

Vinyl Acetate

Concen: 255.970 ug/l

RT: 3.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

Instrument :

MSVOA_U

ClientSampleId :

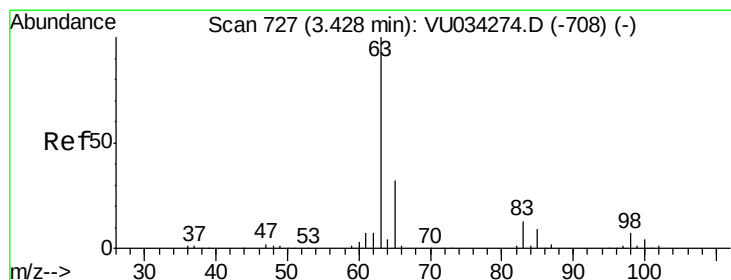
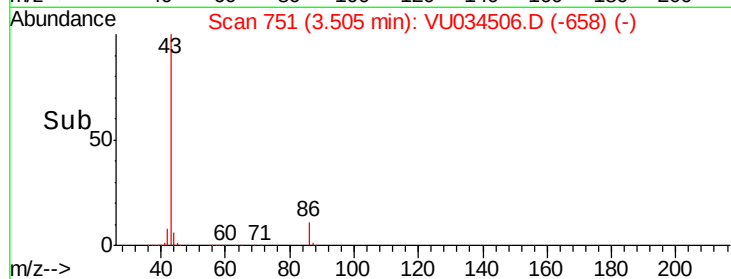
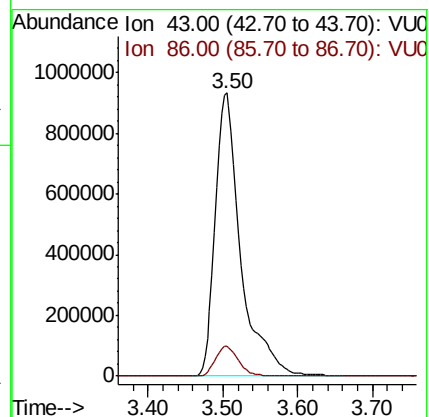
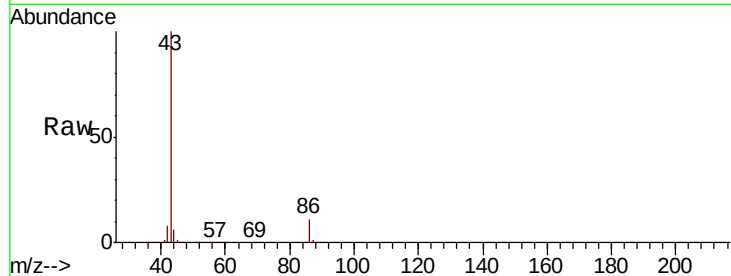
VSTDCCC050

Tgt Ion: 43 Resp: 2217079

Ion Ratio Lower Upper

43 100

86 10.7 8.3 12.5



#24

1,1-Dichloroethane

Concen: 48.094 ug/l

RT: 3.42 min Scan# 726

Delta R.T. -0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

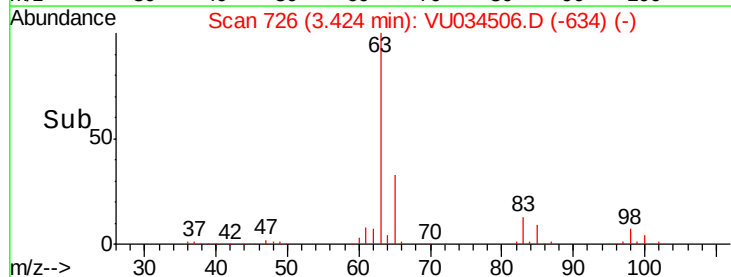
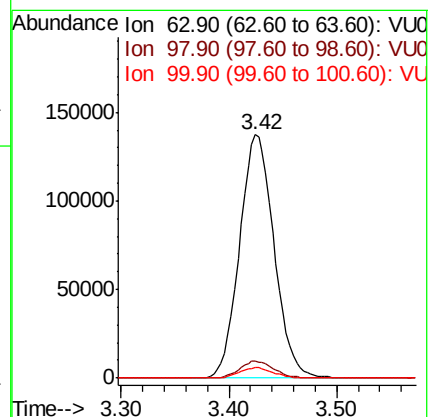
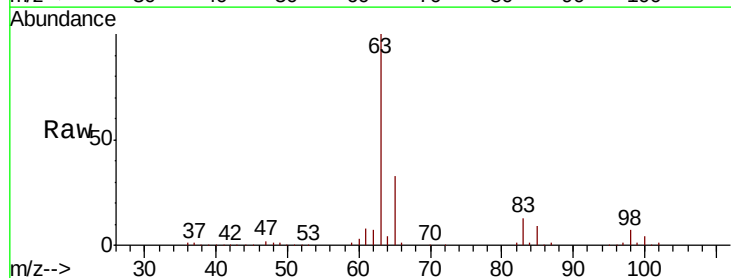
Tgt Ion: 63 Resp: 305403

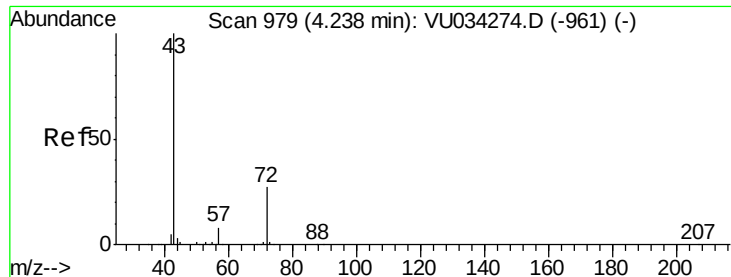
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 269.445 ug/l

RT: 4.23 min Scan# 978

Delta R.T. -0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

Instrument :

MSVOA_U

ClientSampleId :

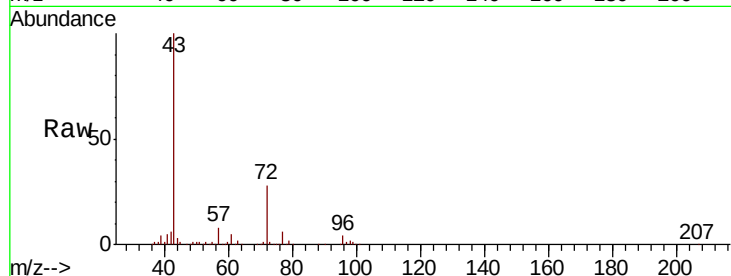
VSTDCCC050

Tgt Ion: 43 Resp: 738225

Ion Ratio Lower Upper

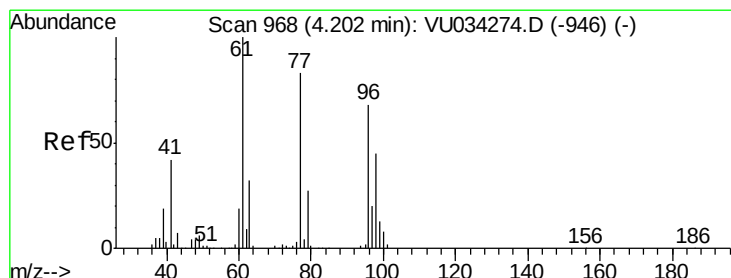
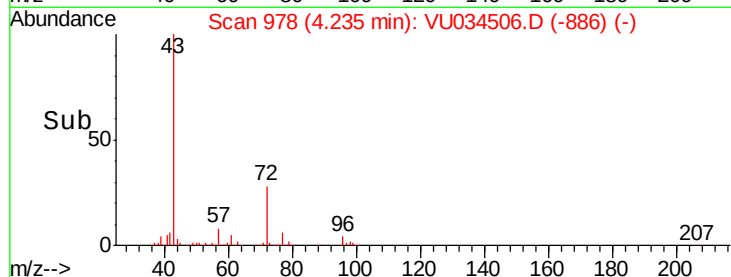
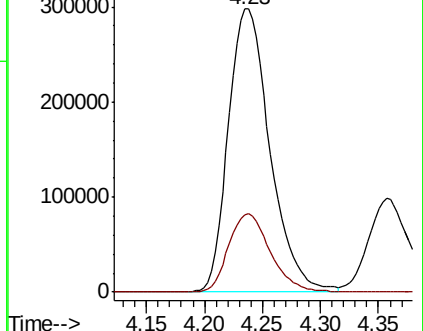
43 100

72 27.4 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) (-)



#26

2,2-Dichloropropane

Concen: 50.139 ug/l

RT: 4.20 min Scan# 968

Delta R.T. -0.00 min

Lab File: VU034506.D

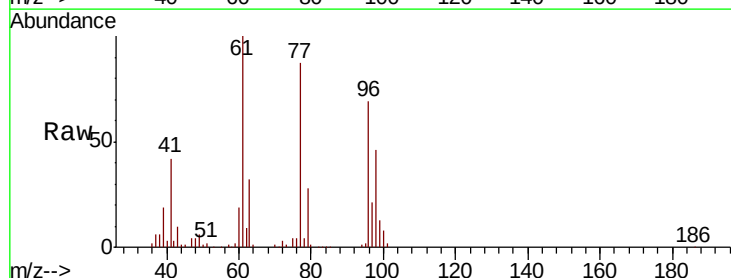
Acq: 12 Sep 2019 09:27

Tgt Ion: 77 Resp: 256074

Ion Ratio Lower Upper

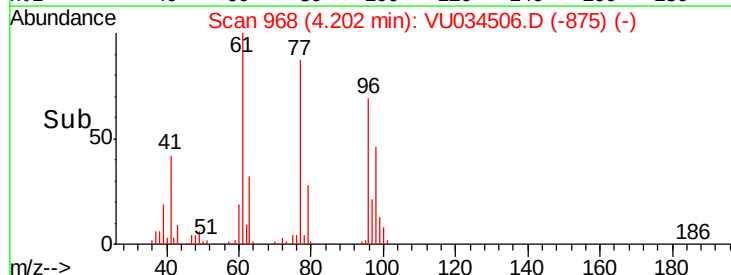
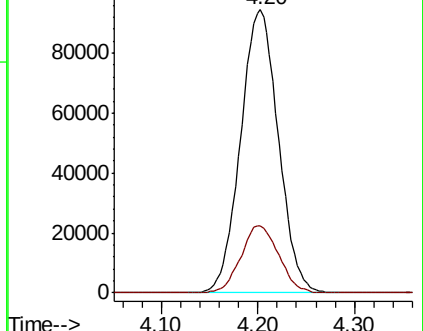
77 100

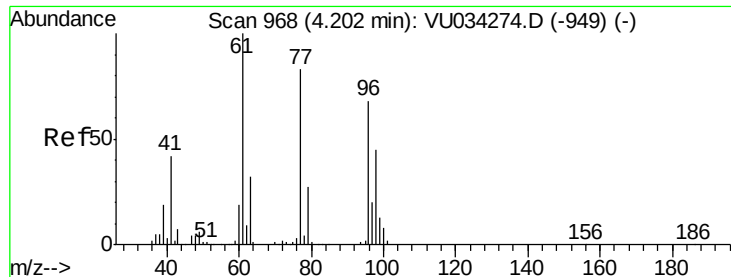
97 23.7 11.8 35.3



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

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



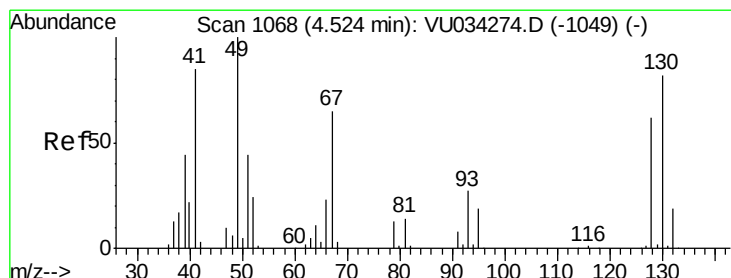
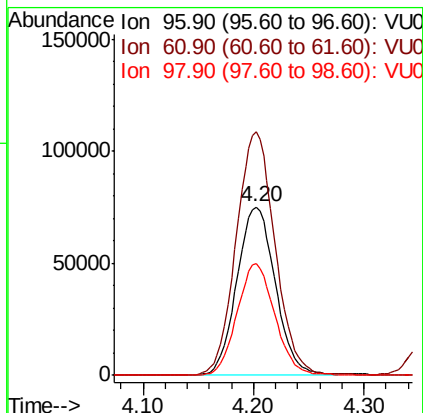
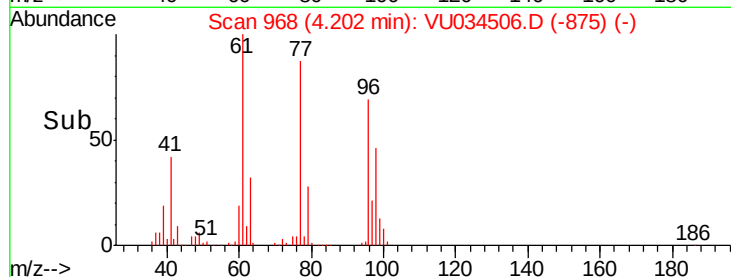
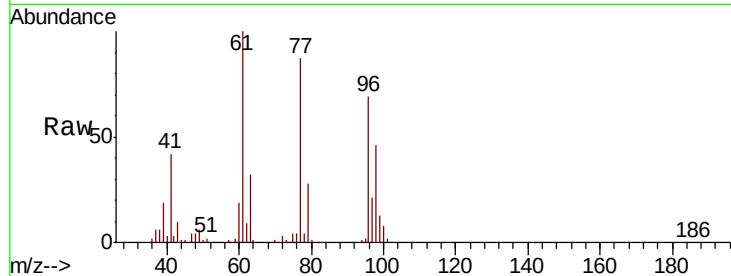


#27

cis-1,2-Dichloroethene
Concen: 49.748 ug/l
RT: 4.20 min Scan# 968
Delta R.T. -0.00 min
Lab File: VU034506.D
Acq: 12 Sep 2019 09:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

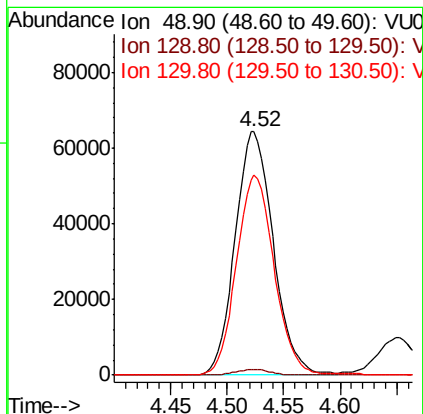
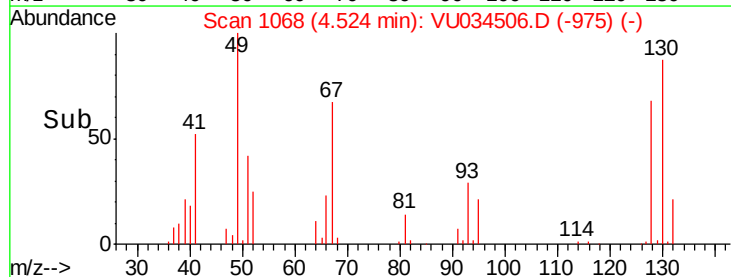
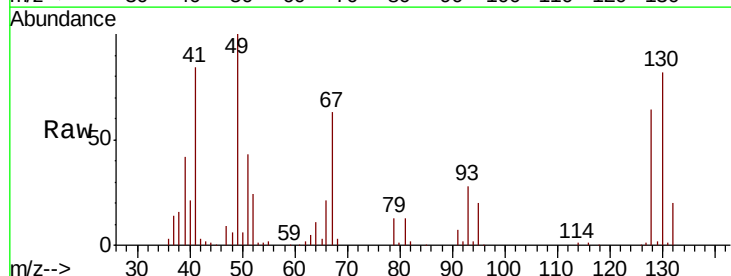
Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.4	0.0	297.4
98	65.3	0.0	130.0

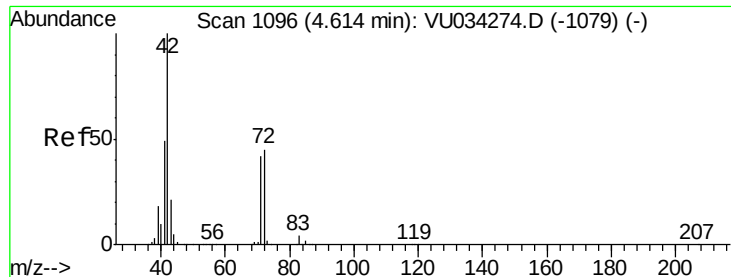


#28

Bromochloromethane
Concen: 51.740 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VU034506.D
Acq: 12 Sep 2019 09:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	81.1	65.2	97.8

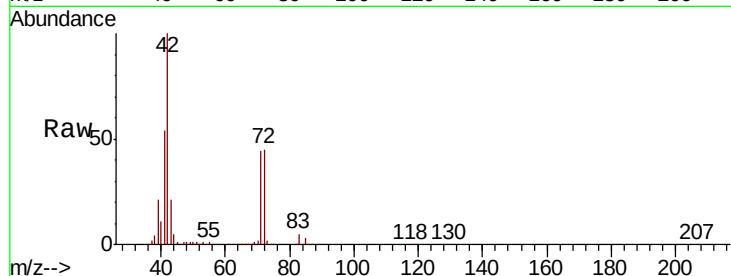




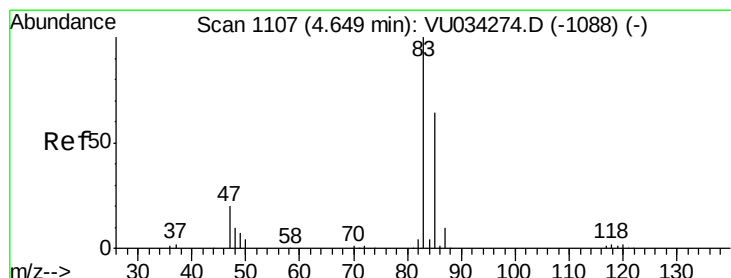
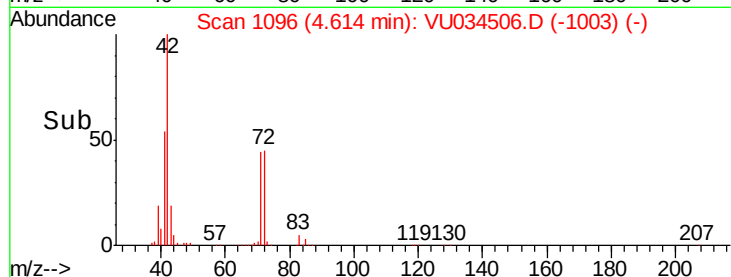
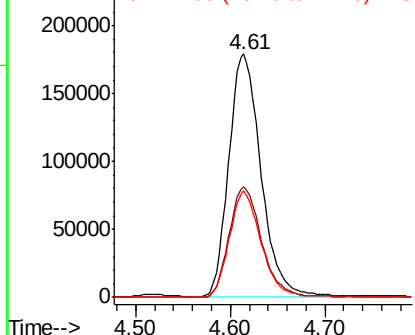
#29
Tetrahydrofuran
Concen: 253.422 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034506.D
Acq: 12 Sep 2019 09:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 422501
Ion Ratio Lower Upper
42 100
72 46.1 36.6 54.8
71 43.4 34.3 51.5

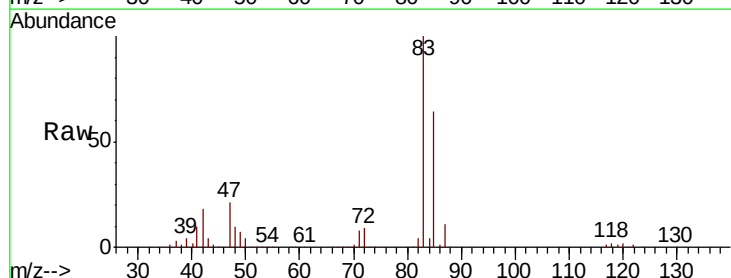


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

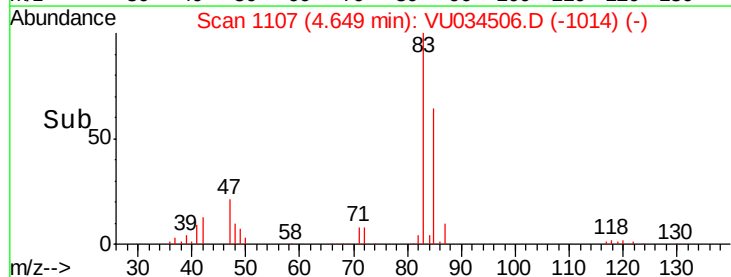
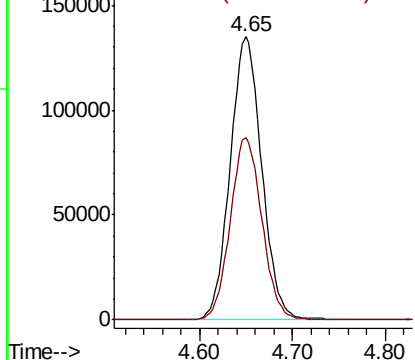


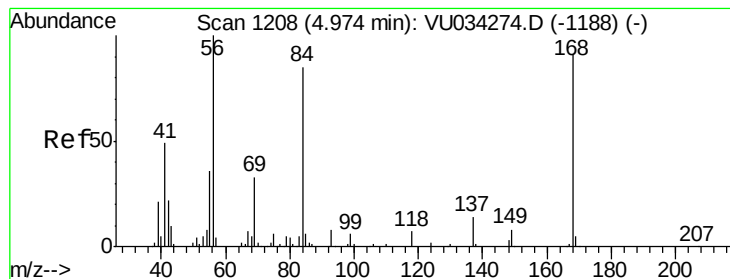
#30
Chloroform
Concen: 49.375 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034506.D
Acq: 12 Sep 2019 09:27

Tgt Ion: 83 Resp: 318698
Ion Ratio Lower Upper
83 100
85 64.5 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0





#31

Cyclohexane

Concen: 44.487 ug/l

RT: 4.97 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

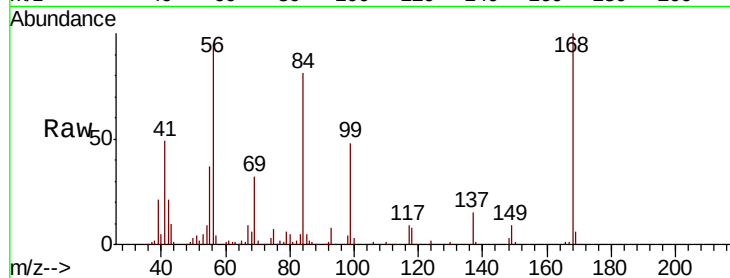
Tgt Ion: 56 Resp: 206673

Ion Ratio Lower Upper

56 100

69 33.8 26.7 40.1

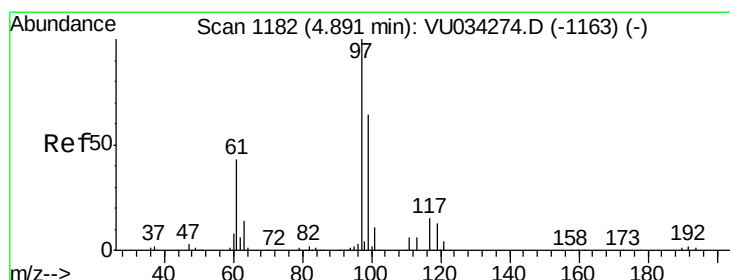
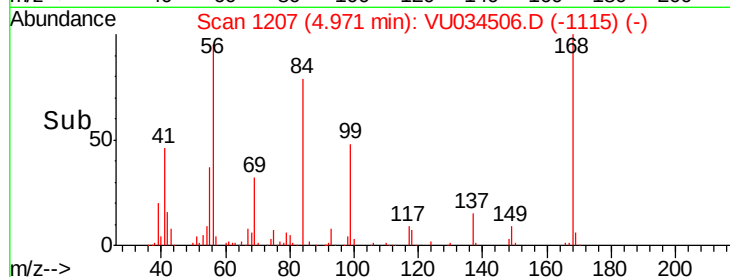
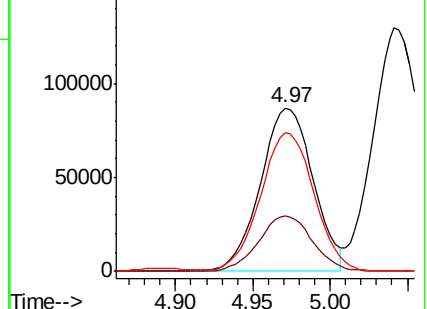
84 83.9 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VU034274.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034274.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034274.D (-1188) (-)



#32

1,1,1-Trichloroethane

Concen: 49.822 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

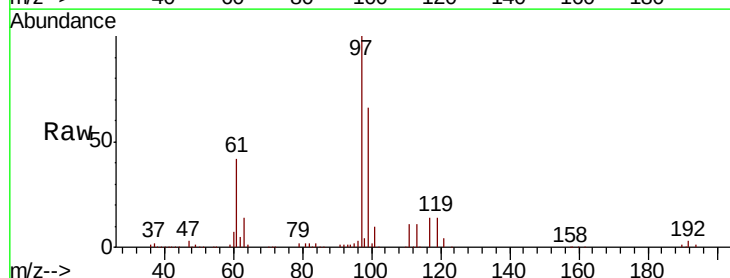
Tgt Ion: 97 Resp: 257114

Ion Ratio Lower Upper

97 100

99 64.3 50.9 76.3

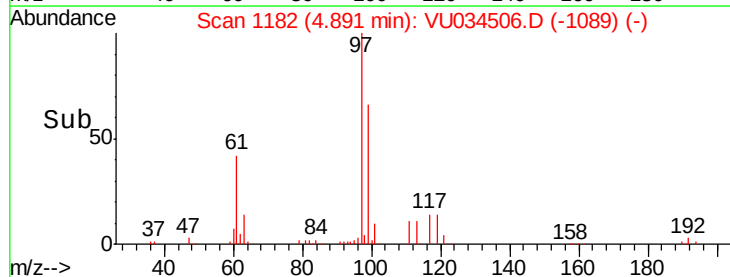
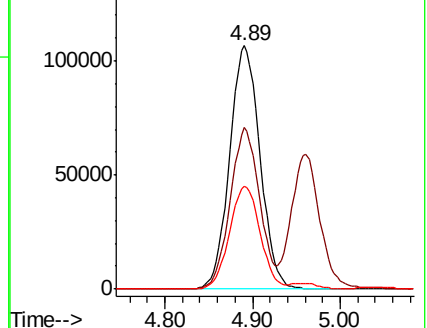
61 42.6 34.7 52.1

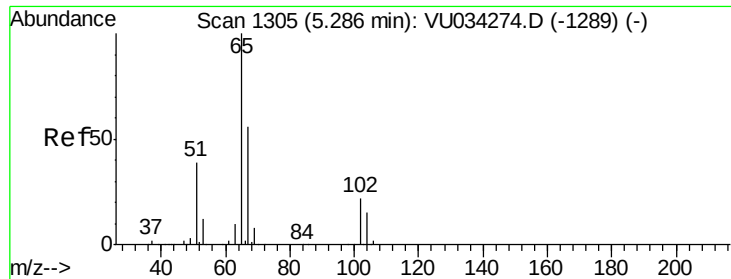


Abundance Ion 96.90 (96.60 to 97.60): VU034274.D (-1163) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1163) (-)

Ion 60.90 (60.60 to 61.60): VU034274.D (-1163) (-)

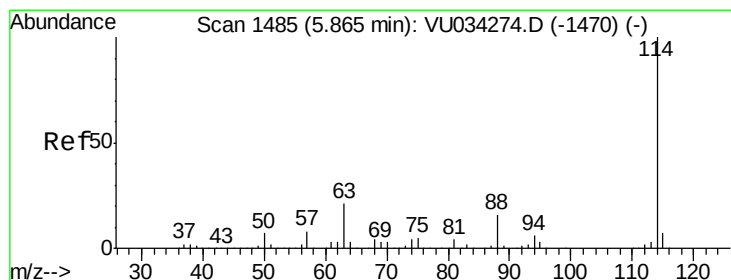
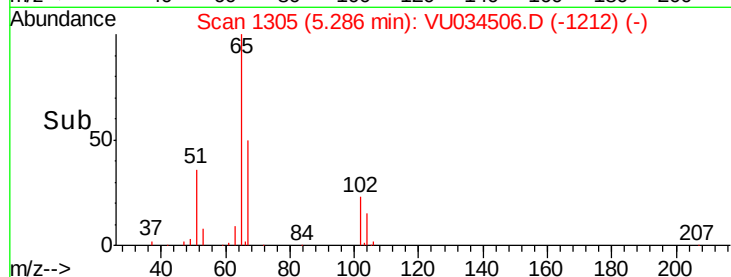
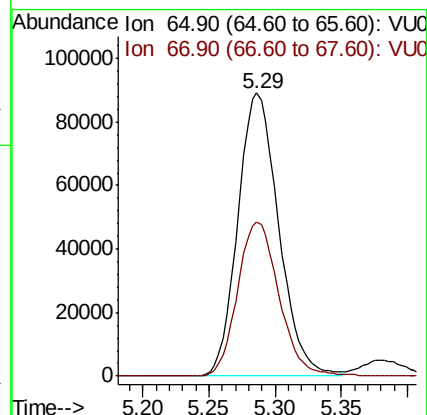
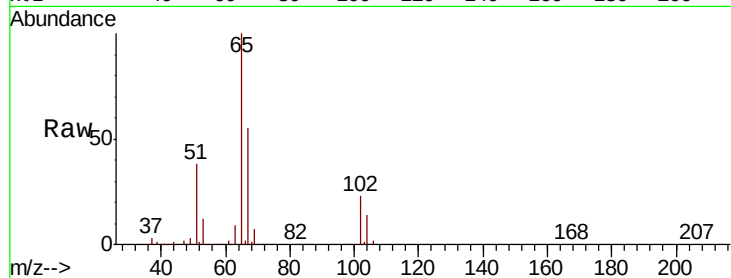




#33
 1,2-Dichloroethane-d4
 Concen: 48.152 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034506.D
 Acq: 12 Sep 2019 09:27

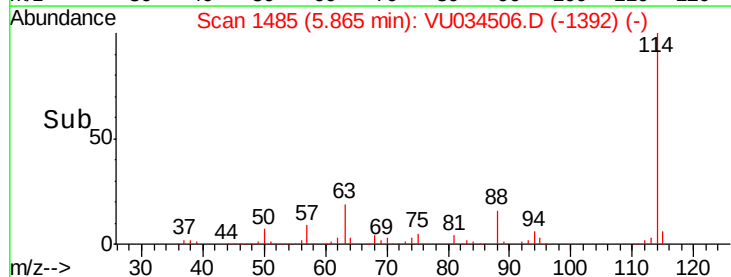
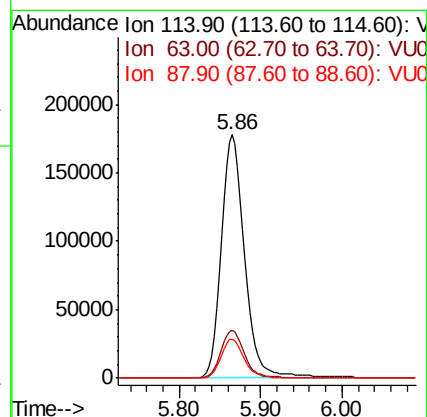
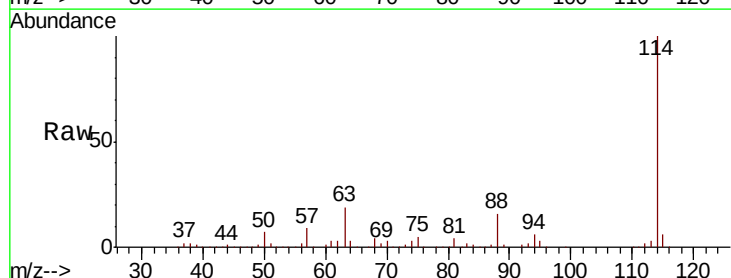
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

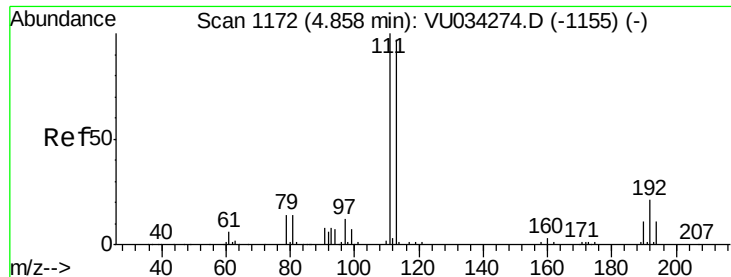
Tgt Ion: 65 Resp: 190980
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VU034506.D
 Acq: 12 Sep 2019 09:27

Tgt Ion: 114 Resp: 360921
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 42.4
 88 16.1 0.0 32.4

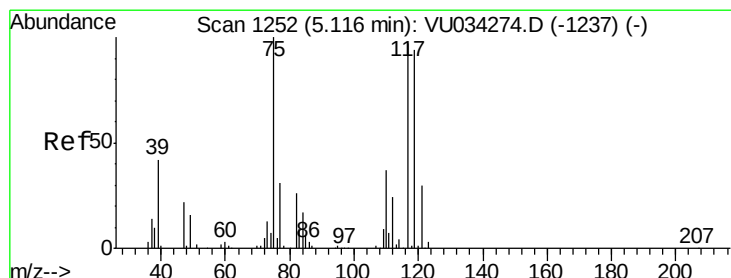
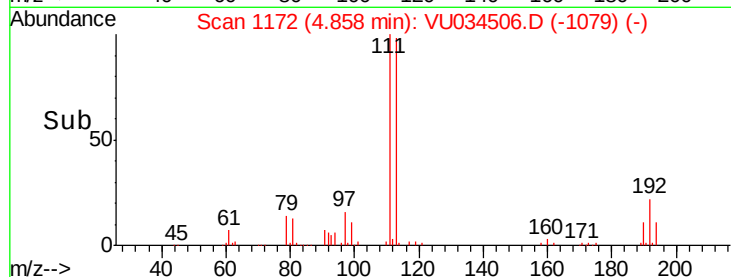
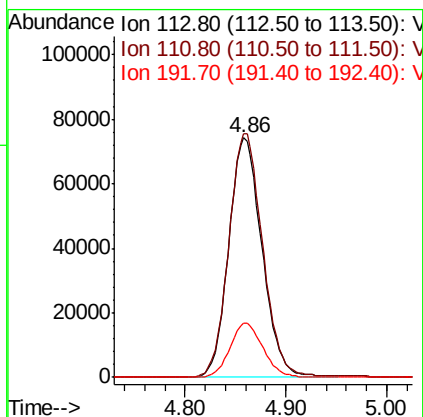
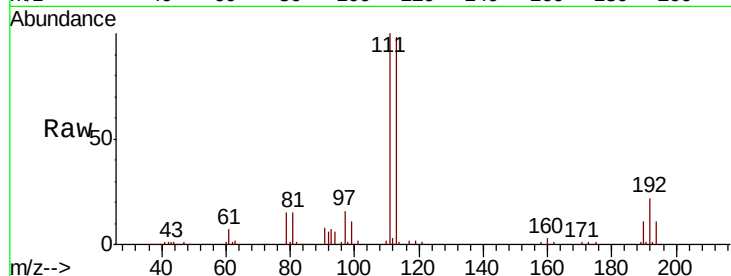




#35
 Dibromofluoromethane
 Concen: 50.862 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VU034506.D
 Acq: 12 Sep 2019 09:27

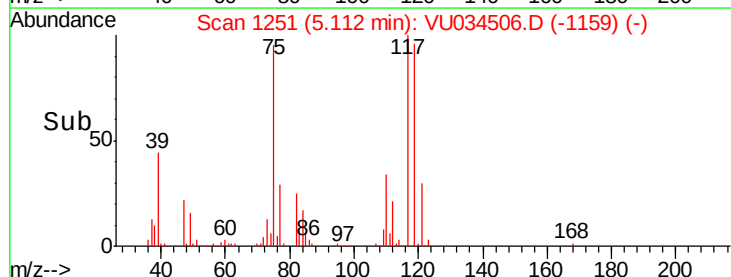
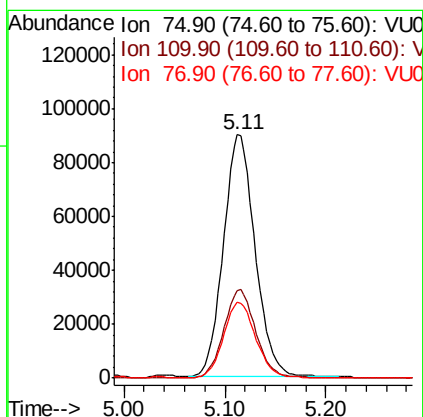
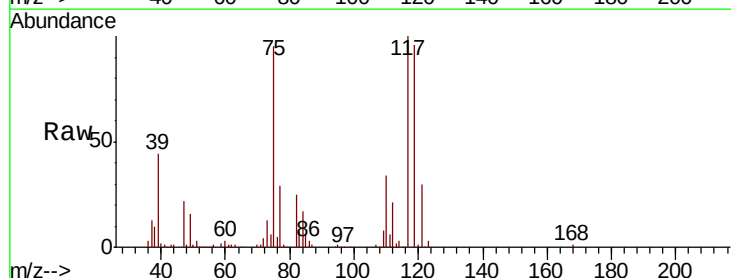
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

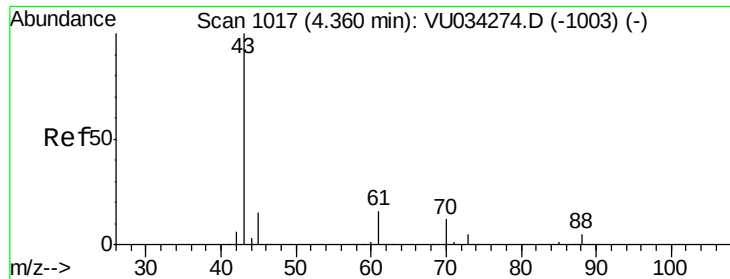
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.5	122.3
192	22.4	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 50.428 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VU034506.D
 Acq: 12 Sep 2019 09:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.9	18.3	54.9
77	31.2	24.9	37.3

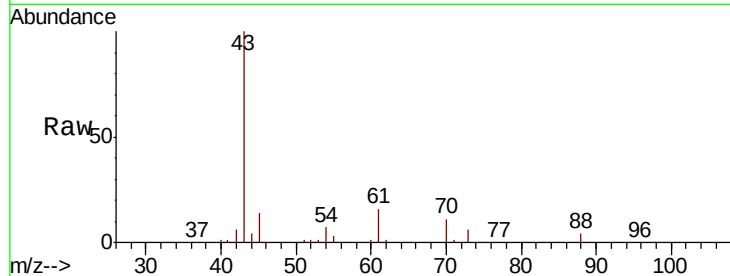




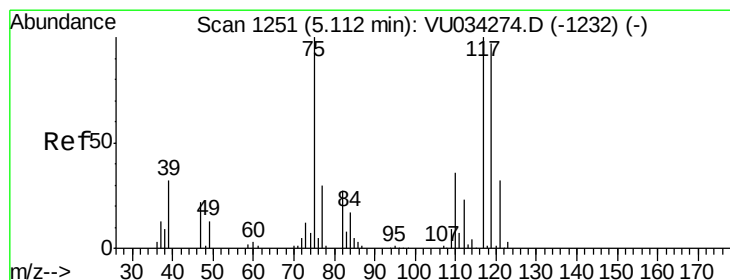
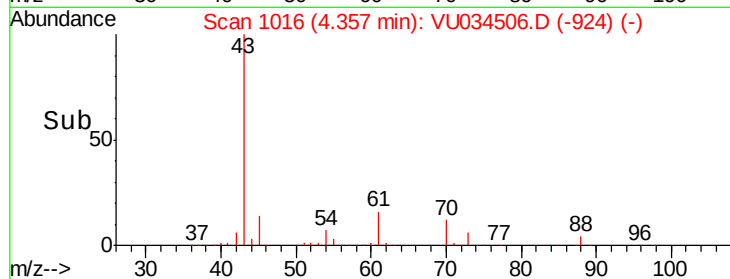
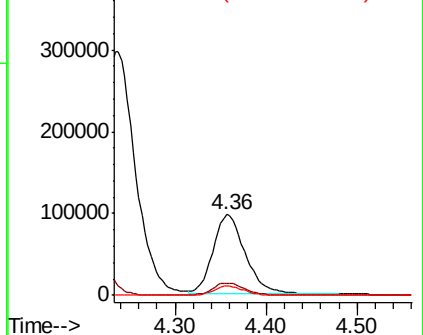
#37
 Ethyl Acetate
 Concen: 52.157 ug/l
 RT: 4.36 min Scan# 1016
 Delta R.T. -0.00 min
 Lab File: VU034506.D
 Acq: 12 Sep 2019 09:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 241375
 Ion Ratio Lower Upper
 43 100
 61 14.7 12.3 18.5
 70 11.3 9.1 13.7

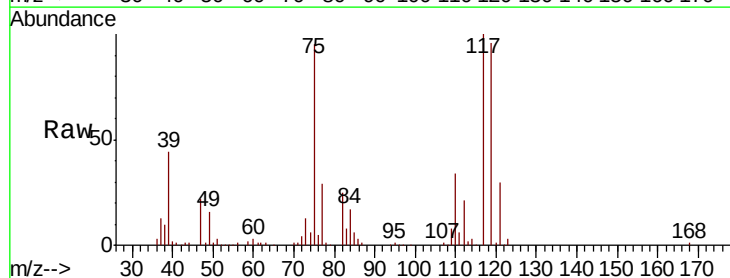


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 70.00 (69.70 to 70.70): VU0

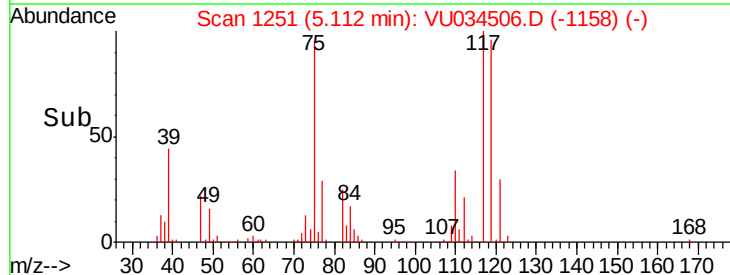
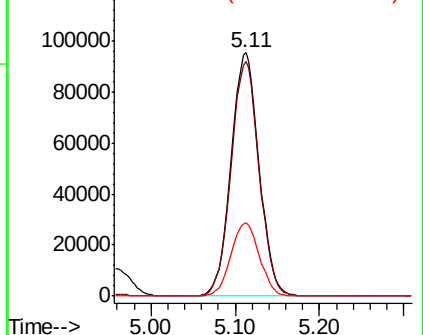


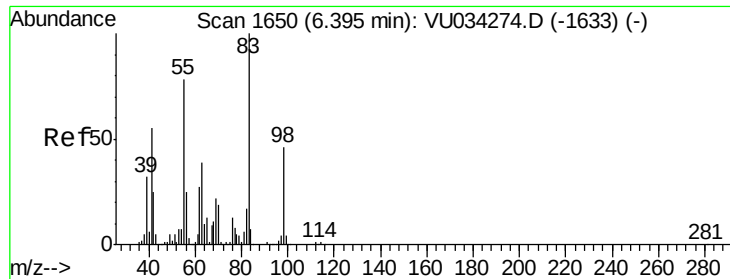
#38
 Carbon Tetrachloride
 Concen: 52.859 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VU034506.D
 Acq: 12 Sep 2019 09:27

Tgt Ion: 117 Resp: 220914
 Ion Ratio Lower Upper
 117 100
 119 96.4 77.8 116.6
 121 30.0 25.2 37.8



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

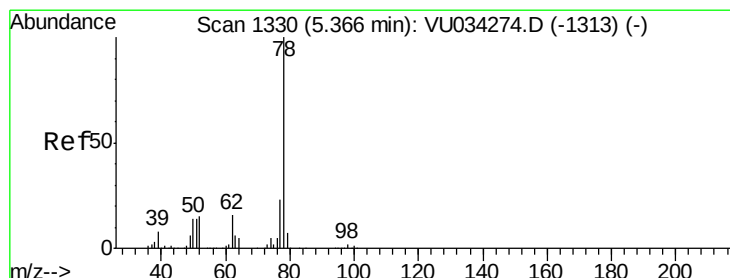
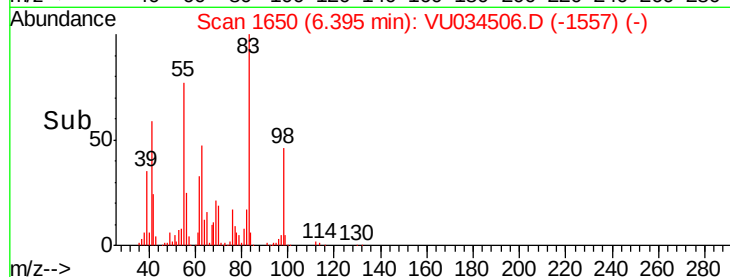
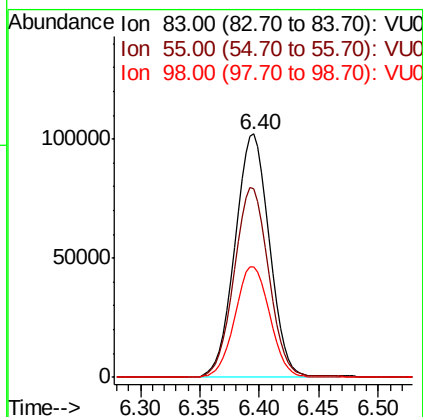
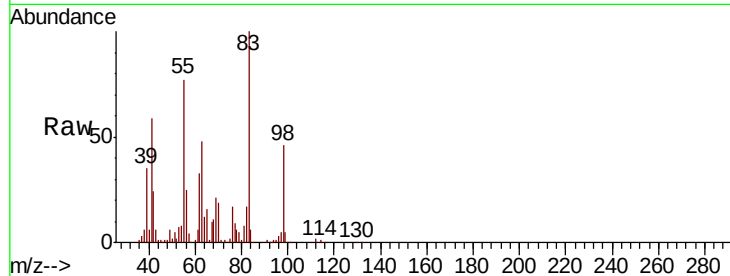




#39
Methylcyclohexane
Concen: 48.972 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034506.D
Acq: 12 Sep 2019 09:27

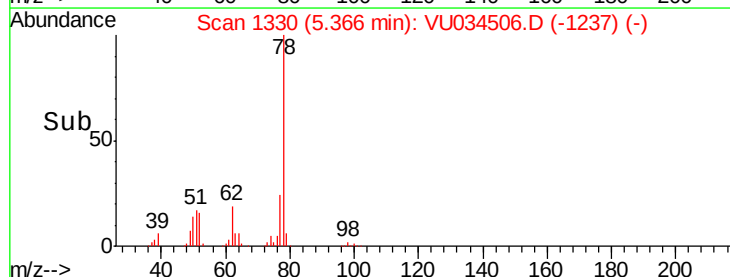
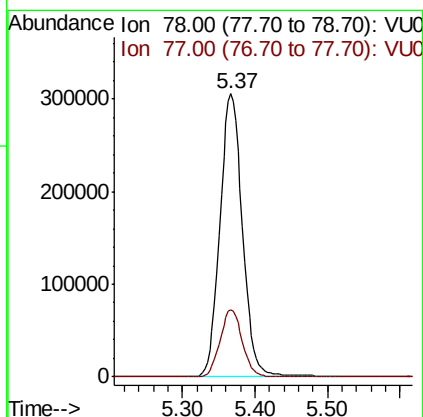
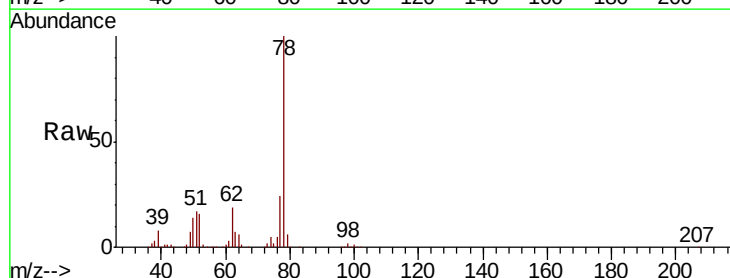
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

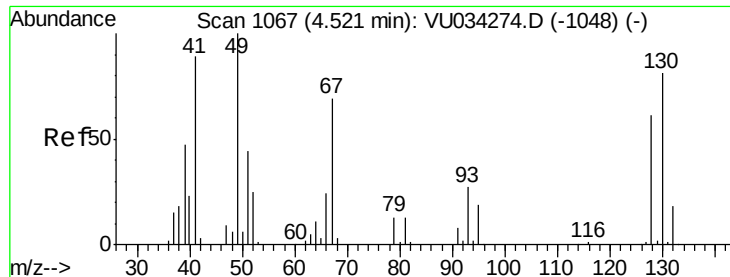
Tgt Ion: 83 Resp: 204912
Ion Ratio Lower Upper
83 100
55 77.3 62.1 93.1
98 45.5 37.0 55.6



#40
Benzene
Concen: 52.150 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034506.D
Acq: 12 Sep 2019 09:27

Tgt Ion: 78 Resp: 658674
Ion Ratio Lower Upper
78 100
77 23.7 18.7 28.1





#41

Methacrylonitrile

Concen: 54.690 ug/l

RT: 4.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 134815

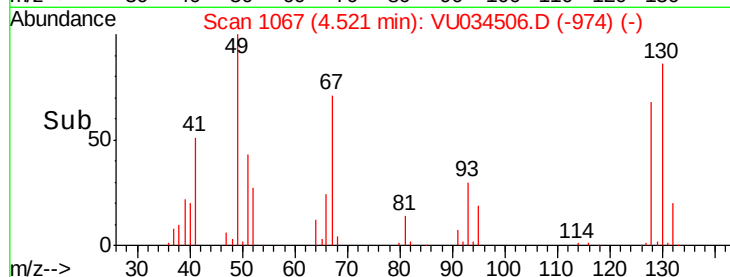
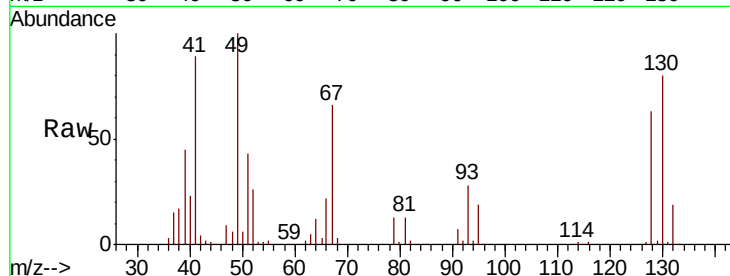
Ion Ratio Lower Upper

41 100

39 51.7 41.0 61.4

67 79.2 62.4 93.6

52 29.2 23.6 35.4

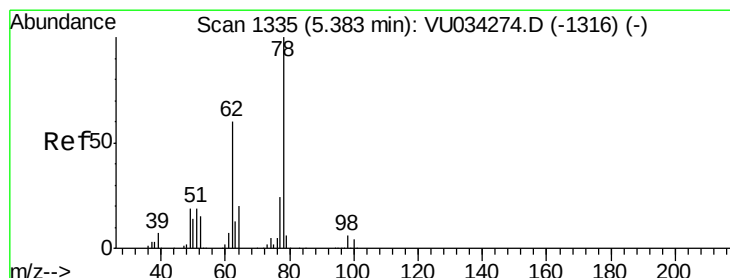
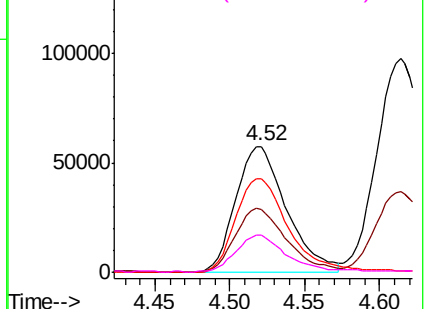


Abundance Ion 41.00 (40.70 to 41.70): VU0

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: 52.593 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU034506.D

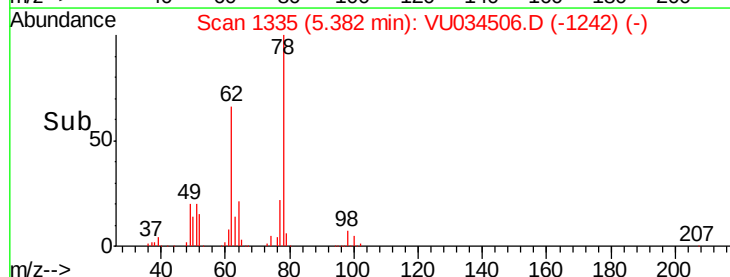
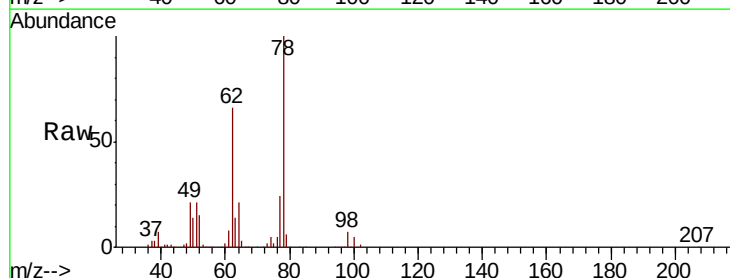
Acq: 12 Sep 2019 09:27

Tgt Ion: 62 Resp: 230628

Ion Ratio Lower Upper

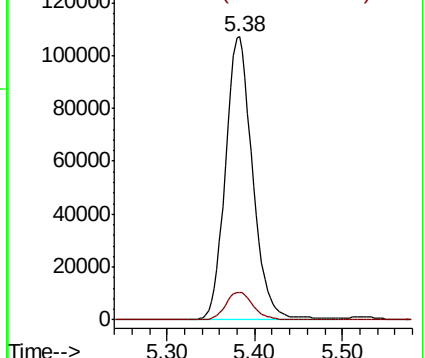
62 100

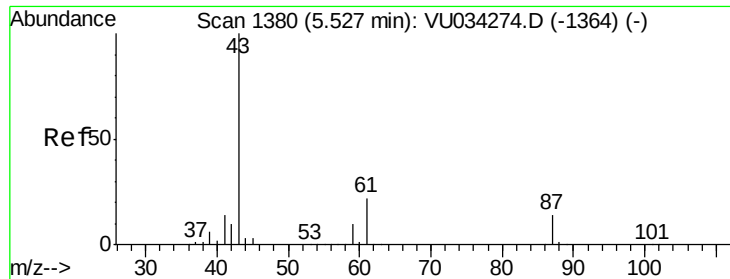
98 10.0 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 52.303 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

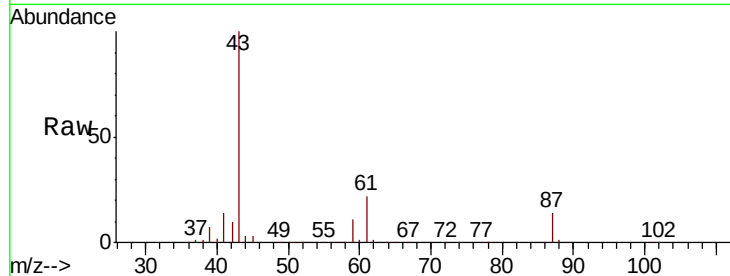
Tgt Ion: 43 Resp: 377599

Ion Ratio Lower Upper

43 100

61 21.7 17.1 25.7

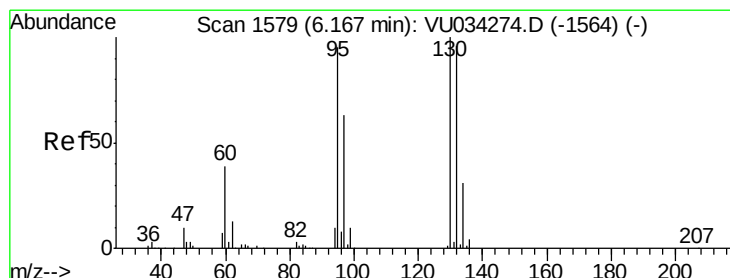
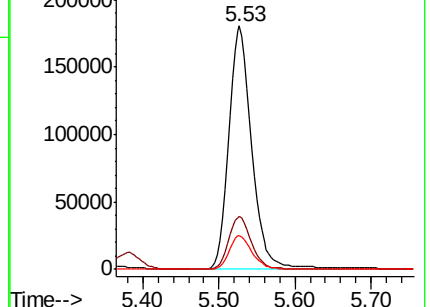
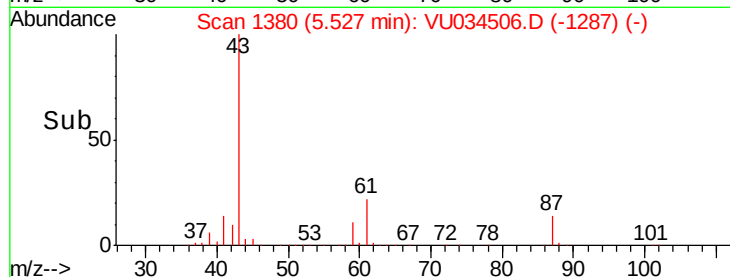
87 13.8 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VU034506.D (-1287) (-)

Ion 61.00 (60.70 to 61.70): VU034506.D (-1287) (-)

Ion 87.00 (86.70 to 87.70): VU034506.D (-1287) (-)



#44

Trichloroethene

Concen: 50.962 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034506.D

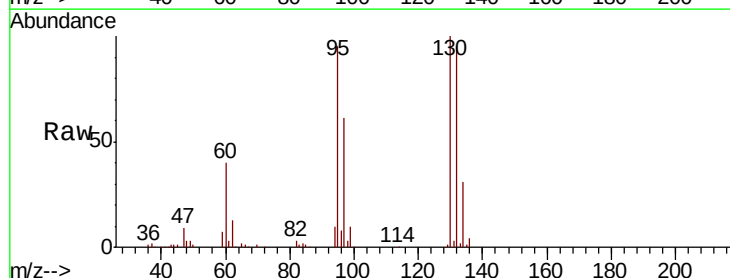
Acq: 12 Sep 2019 09:27

Tgt Ion: 130 Resp: 178116

Ion Ratio Lower Upper

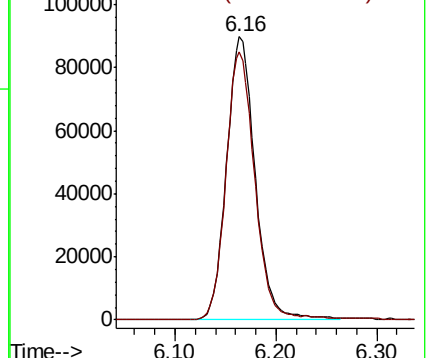
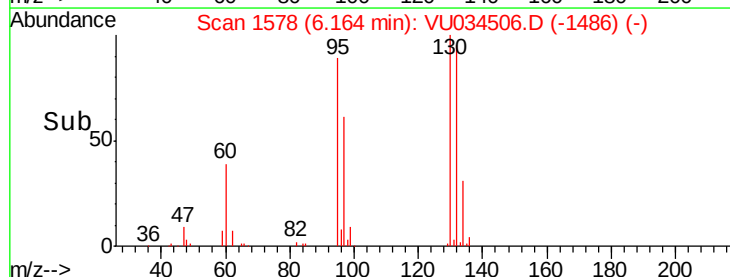
130 100

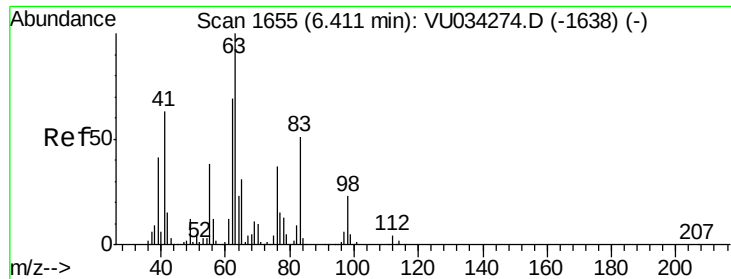
95 94.7 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): VU034506.D (-1486) (-)

Ion 94.90 (94.60 to 95.60): VU034506.D (-1486) (-)





#45

1,2-Dichloropropane

Concen: 51.955 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

Instrument :

MSVOA_U

ClientSampleId :

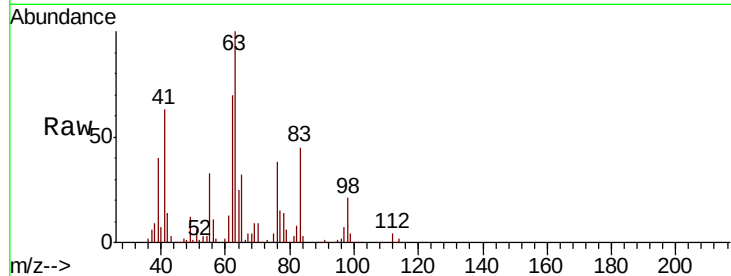
VSTDCCC050

Tgt Ion: 63 Resp: 191837

Ion Ratio Lower Upper

63 100

65 32.2 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VU034274.D (-1638) (-)

Ion 64.90 (64.60 to 65.60): VU034274.D (-1638) (-)

6.41

100000

80000

60000

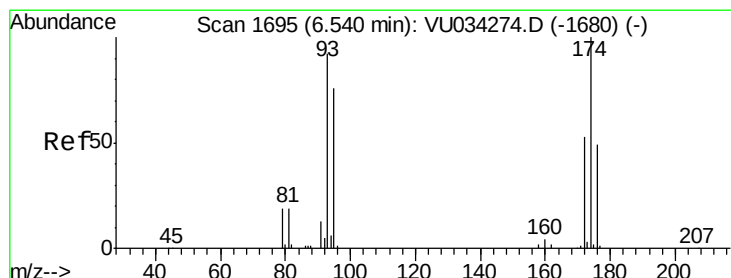
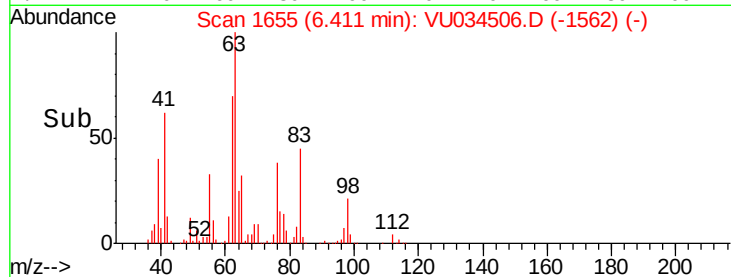
40000

20000

0

6.35 6.40 6.45 6.50

Time-->



#46

Dibromomethane

Concen: 53.824 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

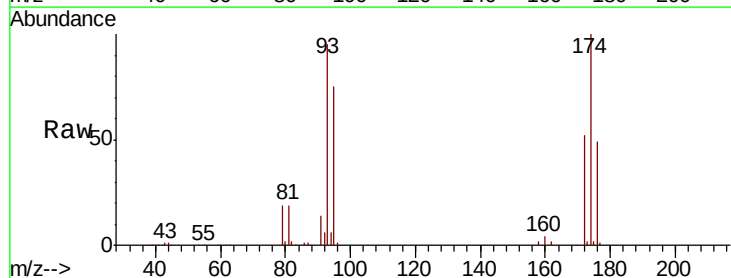
Tgt Ion: 93 Resp: 124749

Ion Ratio Lower Upper

93 100

95 81.8 66.5 99.7

174 109.0 87.8 131.6



Abundance Ion 92.80 (92.50 to 93.50): VU034274.D (-1680) (-)

Ion 94.80 (94.50 to 95.50): VU034274.D (-1680) (-)

Ion 173.70 (173.40 to 174.40): VU034274.D (-1680) (-)

6.54

80000

60000

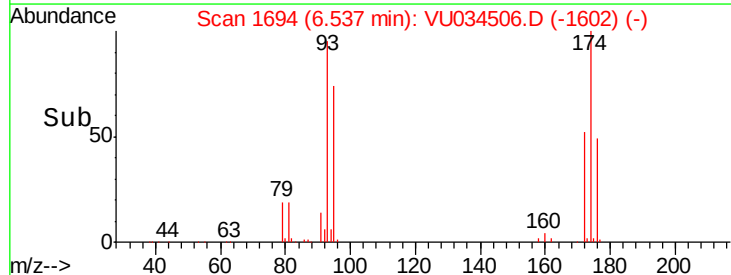
40000

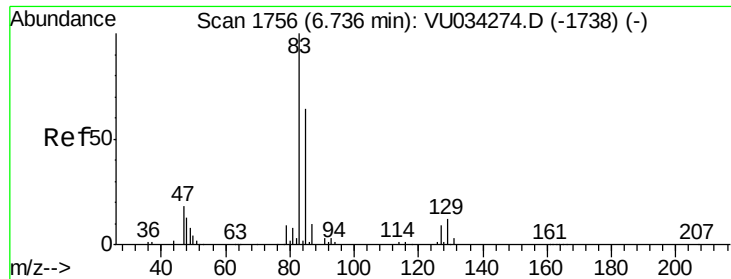
20000

0

6.50 6.55 6.60 6.65 6.70

Time-->

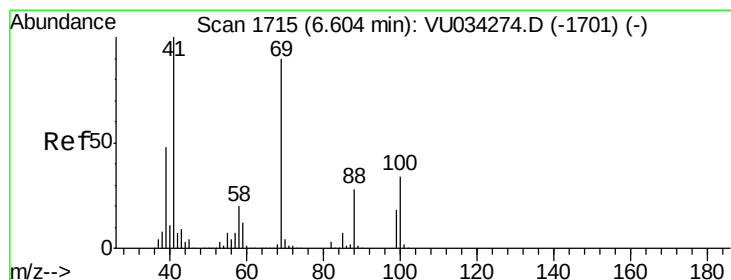
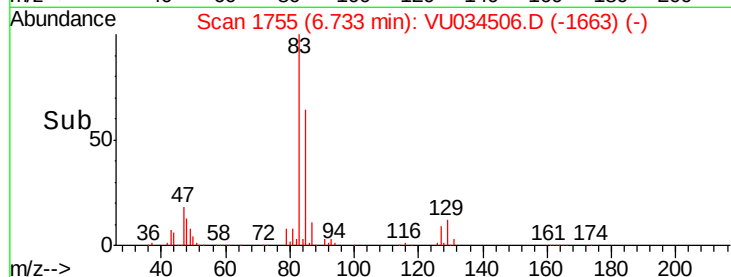
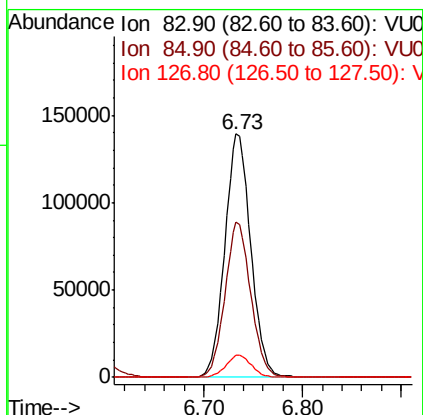
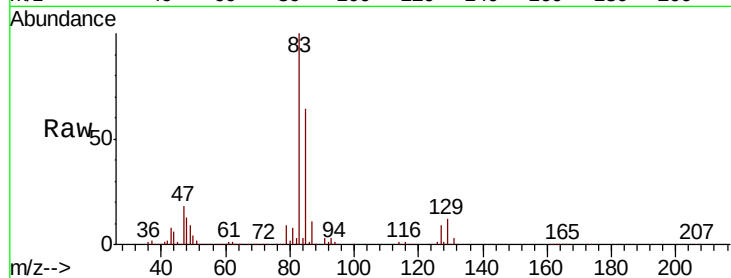




#47
 Bromodichloromethane
 Concen: 53.882 ug/l
 RT: 6.73 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: VU034506.D
 Acq: 12 Sep 2019 09:27

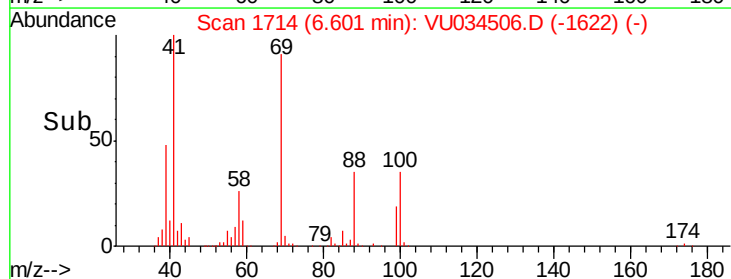
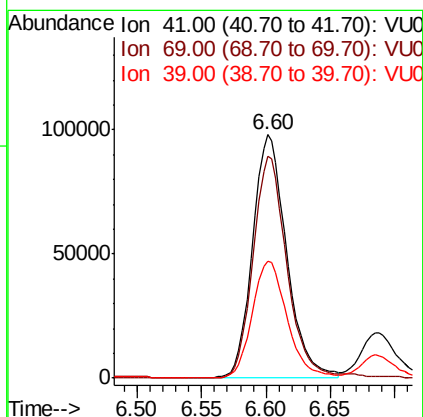
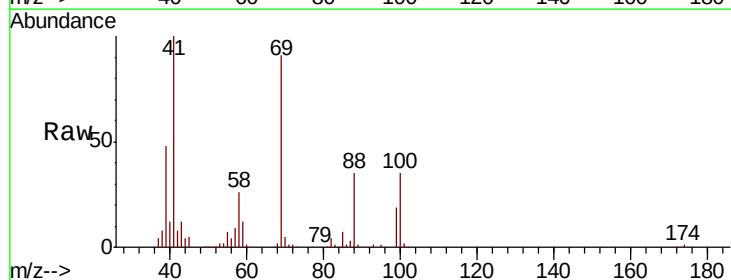
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

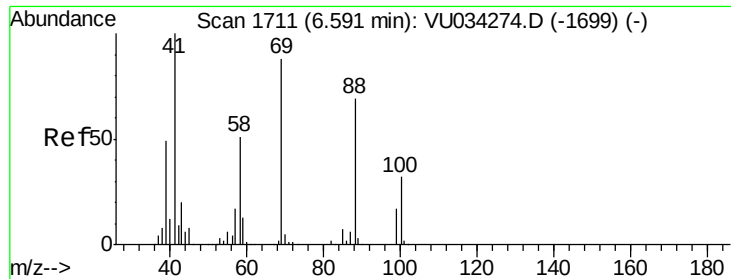
Tgt Ion: 83 Resp: 257061
 Ion Ratio Lower Upper
 83 100
 85 63.6 51.1 76.7
 127 9.0 7.2 10.8



#48
 Methyl methacrylate
 Concen: 52.502 ug/l
 RT: 6.60 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VU034506.D
 Acq: 12 Sep 2019 09:27

Tgt Ion: 41 Resp: 180026
 Ion Ratio Lower Upper
 41 100
 69 91.7 72.8 109.2
 39 49.1 38.6 58.0

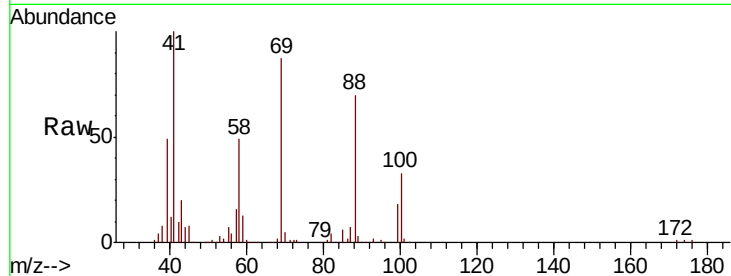




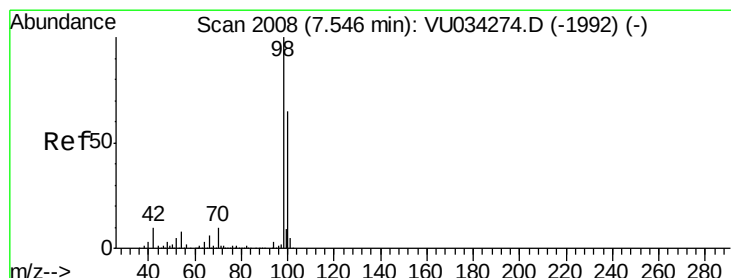
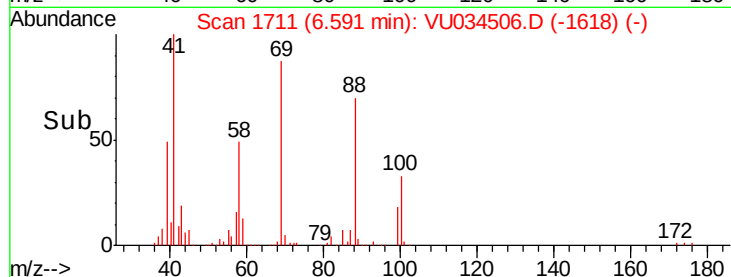
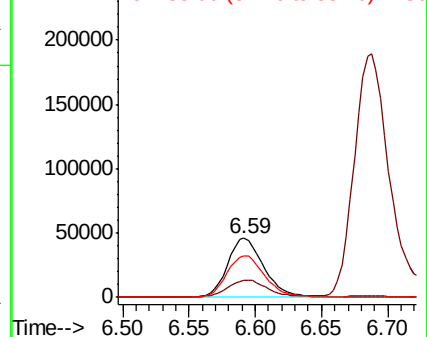
#49
 1,4-Dioxane
 Concen: 1155.702 ug/l
 RT: 6.59 min Scan# 1711
 Delta R.T. -0.00 min
 Lab File: VU034506.D
 Acq: 12 Sep 2019 09:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 88 Resp: 86534
 Ion Ratio Lower Upper
 88 100
 43 30.0 23.8 35.6
 58 74.9 58.4 87.6

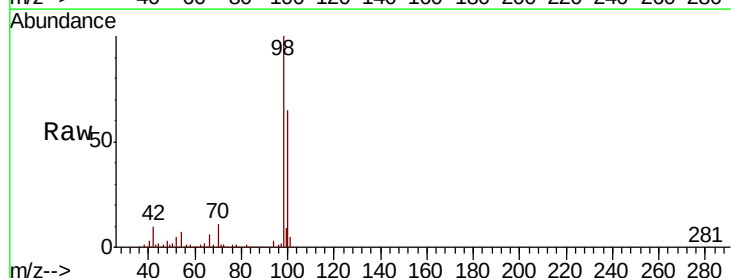


Abundance Ion 88.00 (87.70 to 88.70): VU0
 Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0

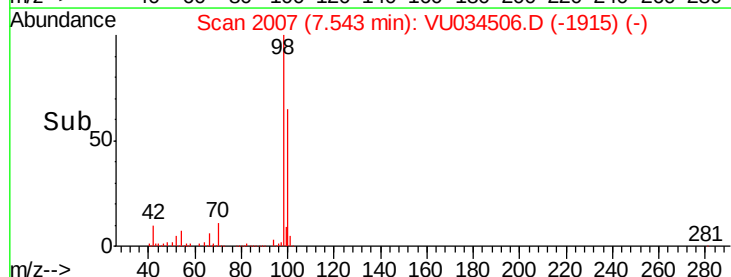
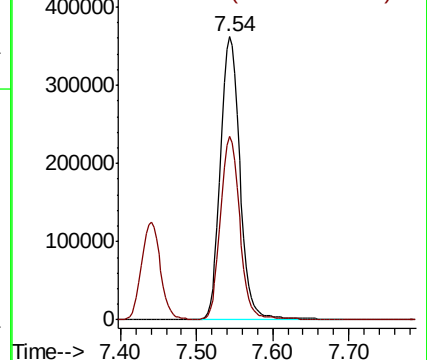


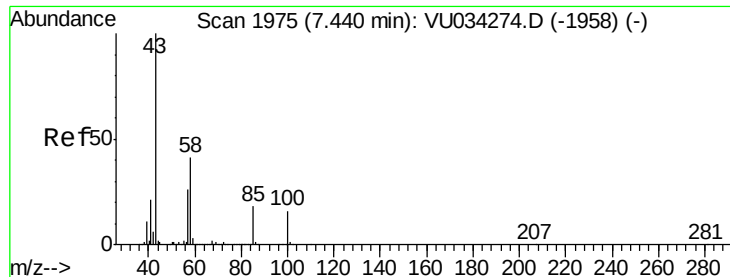
#50
 Toluene-d8
 Concen: 51.190 ug/l
 RT: 7.54 min Scan# 2007
 Delta R.T. -0.00 min
 Lab File: VU034506.D
 Acq: 12 Sep 2019 09:27

Tgt Ion: 98 Resp: 645888
 Ion Ratio Lower Upper
 98 100
 100 64.2 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: 268.080 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

Instrument :

MSVOA_U

ClientSampleId :

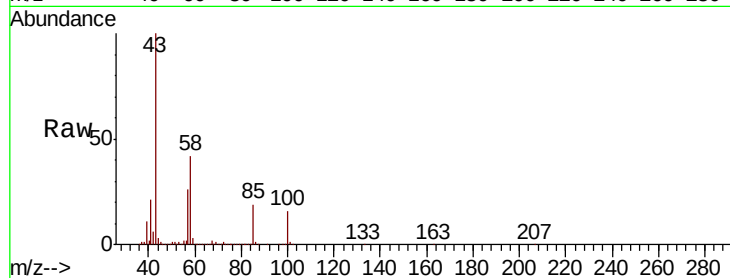
VSTDCCC050

Tgt Ion: 43 Resp: 1339673

Ion Ratio Lower Upper

43 100

58 41.8 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-1958) (-)

Ion 58.00 (57.70 to 58.70): VU034274.D (-1958) (-)

7.44

800000

600000

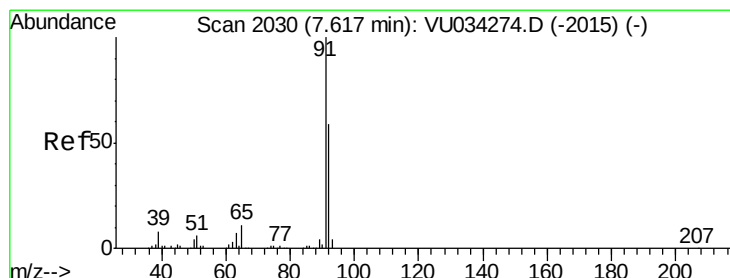
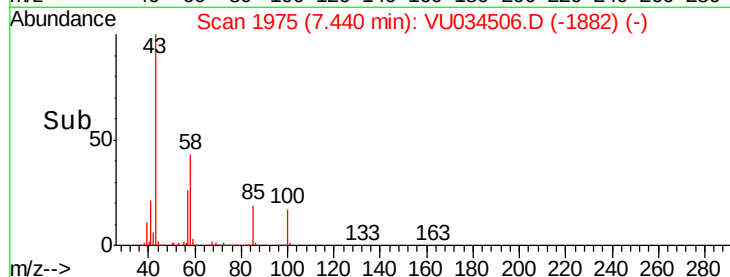
400000

200000

0

7.40 7.50

Time-->



#52

Toluene

Concen: 53.487 ug/l

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034506.D

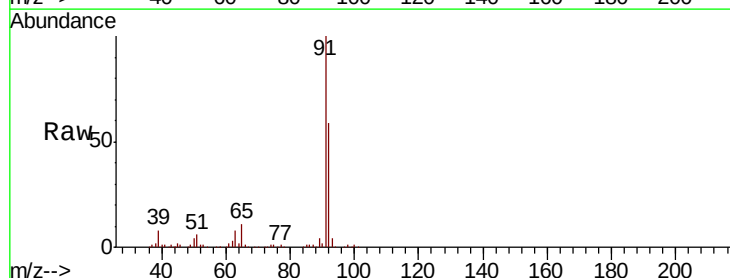
Acq: 12 Sep 2019 09:27

Tgt Ion: 92 Resp: 423782

Ion Ratio Lower Upper

92 100

91 172.1 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VU034274.D (-2015) (-)

Ion 91.00 (90.70 to 91.70): VU034274.D (-2015) (-)

7.61

400000

300000

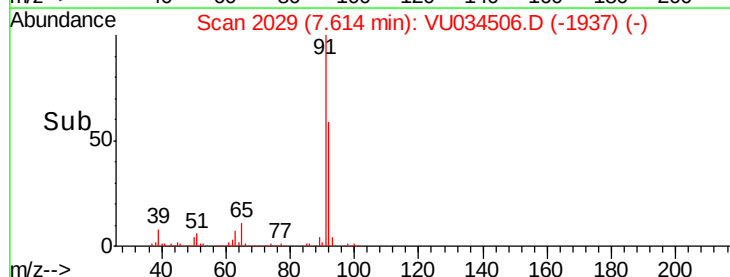
200000

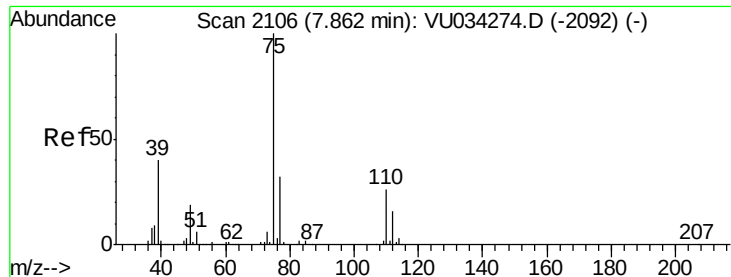
100000

0

7.50 7.60 7.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.803 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

Instrument :

MSVOA_U

ClientSampleId :

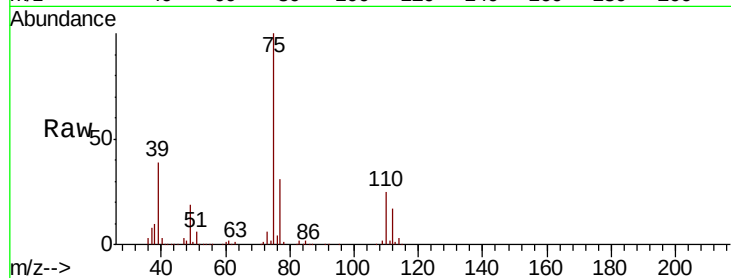
VSTDCCC050

Tgt Ion: 75 Resp: 266084

Ion Ratio Lower Upper

75 100

77 31.4 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VU034274.D (-2092) (-)

Ion 76.90 (76.60 to 77.60): VU034274.D (-2092) (-)

7.86

150000

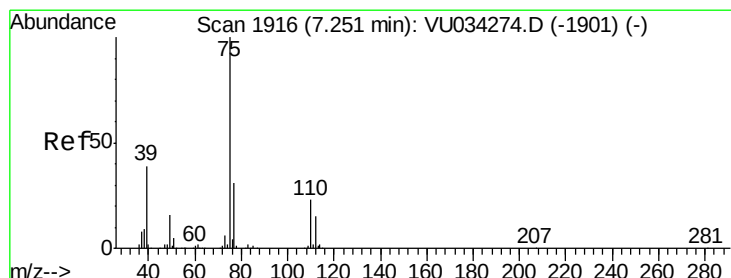
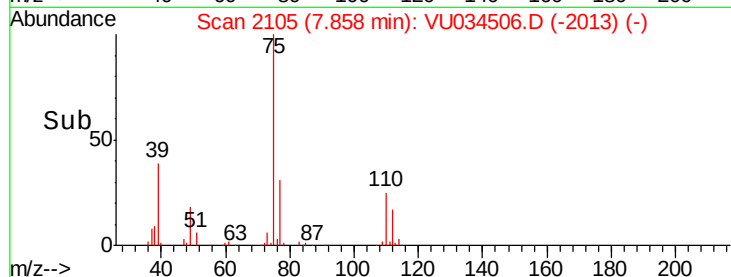
100000

50000

0

7.80 7.85 7.90 7.95

Time-->



#54

cis-1,3-Dichloropropene

Concen: 54.087 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

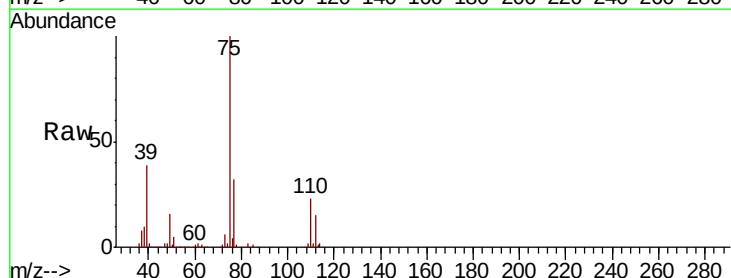
Tgt Ion: 75 Resp: 293575

Ion Ratio Lower Upper

75 100

77 32.3 25.1 37.7

39 39.4 31.2 46.8



Abundance Ion 74.90 (74.60 to 75.60): VU034274.D (-1901) (-)

Ion 76.90 (76.60 to 77.60): VU034274.D (-1901) (-)

Ion 39.00 (38.70 to 39.70): VU034274.D (-1901) (-)

7.25

200000

150000

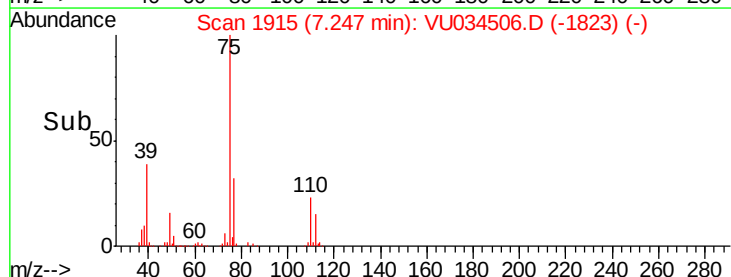
100000

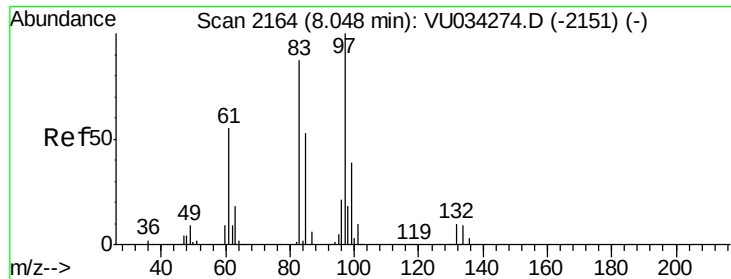
50000

0

7.15 7.20 7.25 7.30 7.35

Time-->

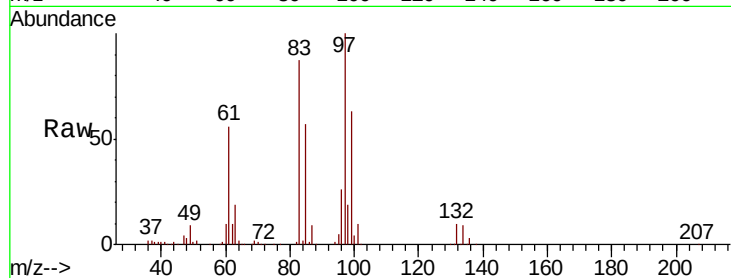




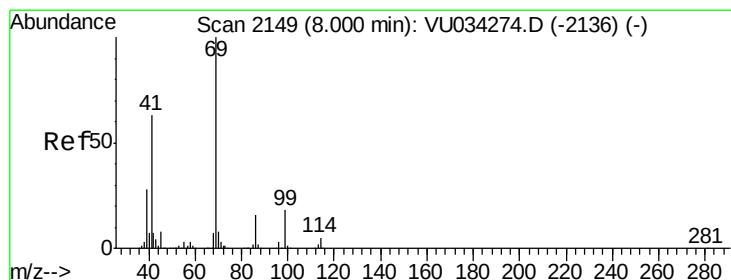
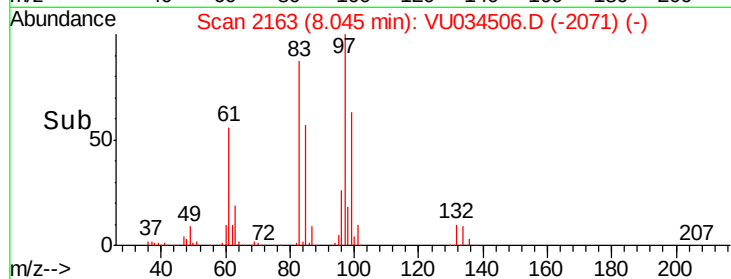
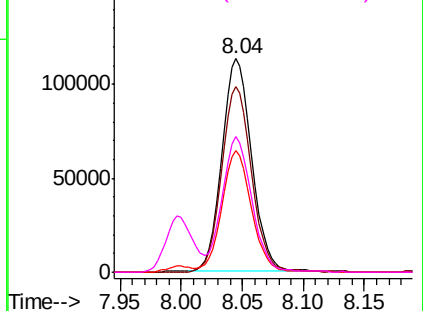
#55
 1,1,2-Trichloroethane
 Concen: 54.007 ug/l
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034506.D
 Acq: 12 Sep 2019 09:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	194298
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.0	103.6
85	56.9	44.2	66.2
99	63.3	49.4	74.0

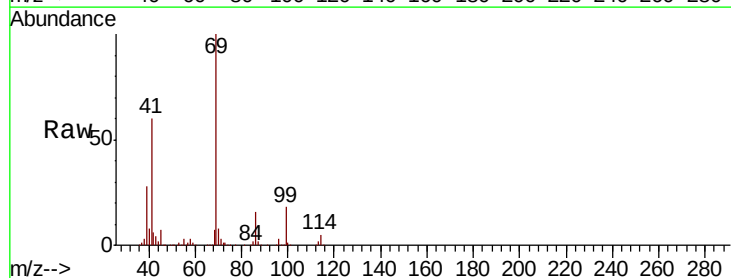


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

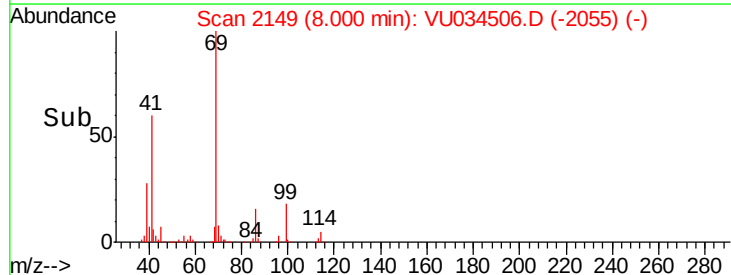
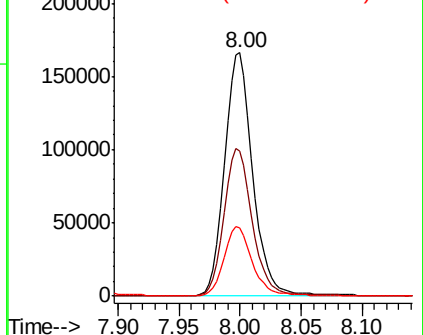


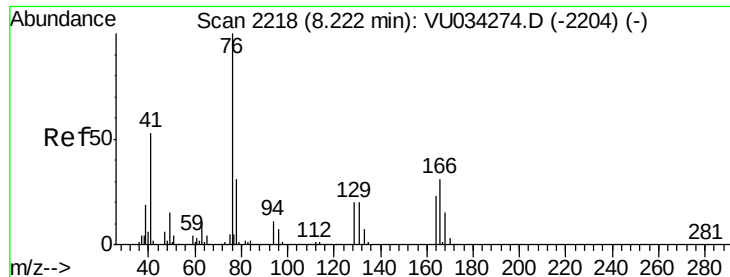
#56
 Ethyl methacrylate
 Concen: 49.338 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034506.D
 Acq: 12 Sep 2019 09:27

Tgt Ion:	69	Resp:	269439
Ion	Ratio	Lower	Upper
69	100		
41	60.5	49.5	74.3
39	28.2	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

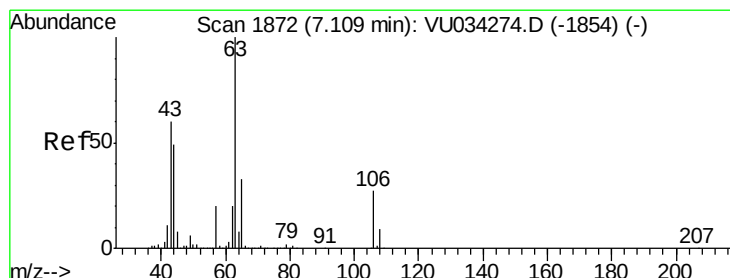
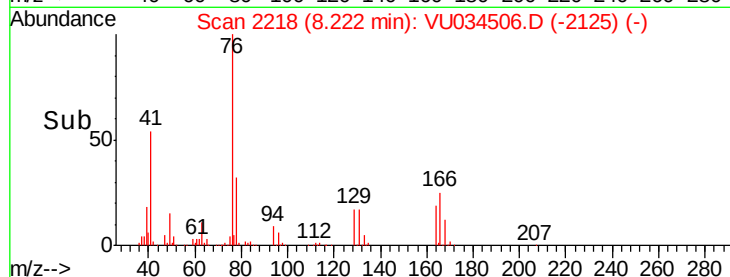
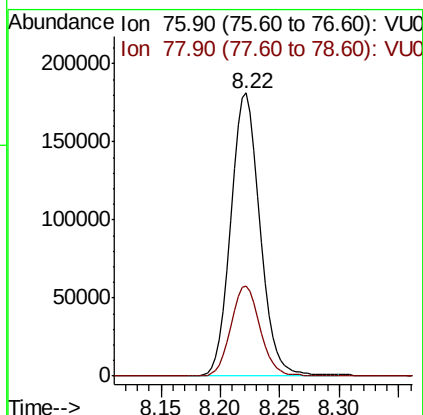
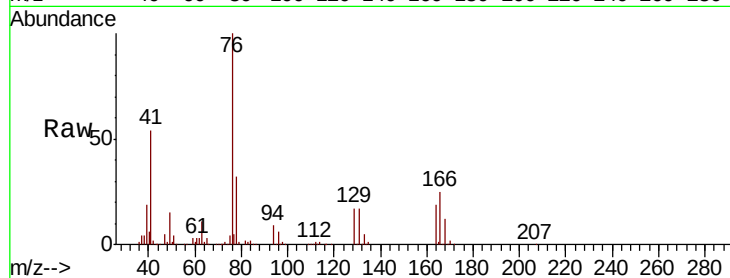




#57
 1,3-Dichloropropane
 Concen: 52.876 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU034506.D
 Acq: 12 Sep 2019 09:27

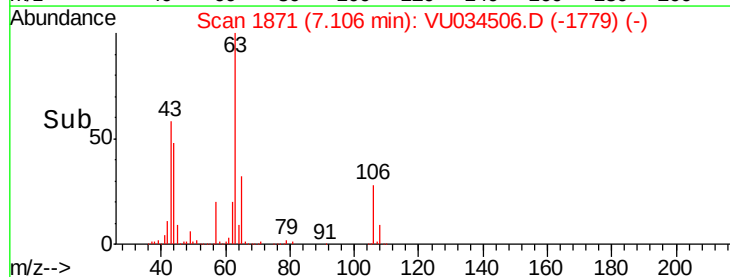
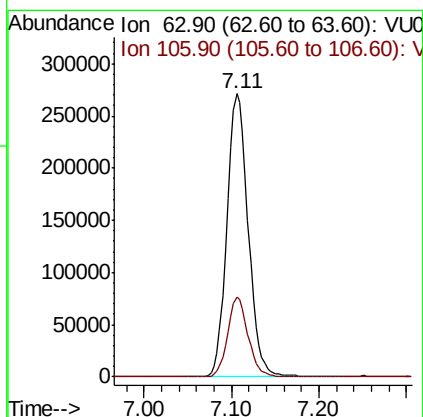
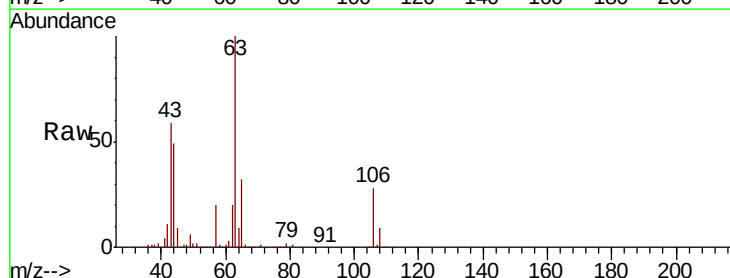
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

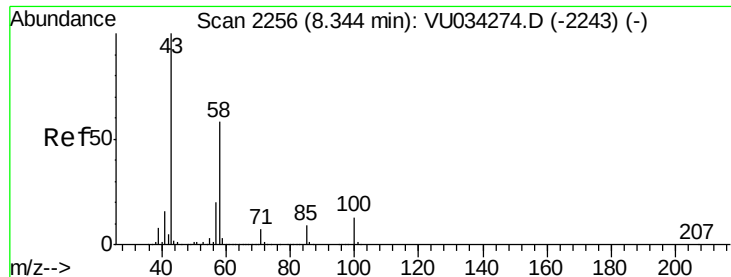
Tgt Ion: 76 Resp: 309756
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.930 ug/l
 RT: 7.11 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VU034506.D
 Acq: 12 Sep 2019 09:27

Tgt Ion: 63 Resp: 458204
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.6 32.4

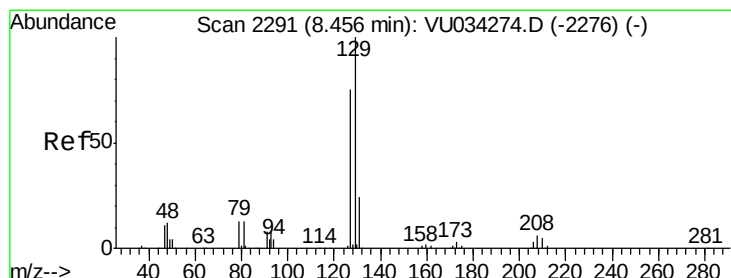
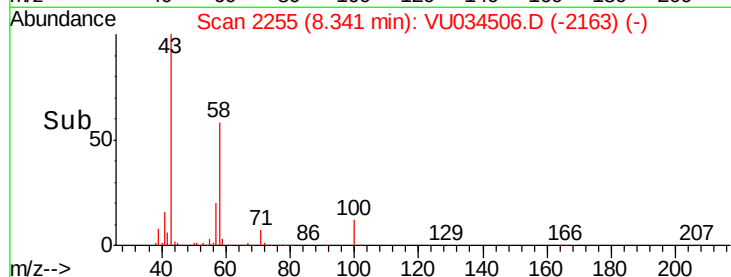
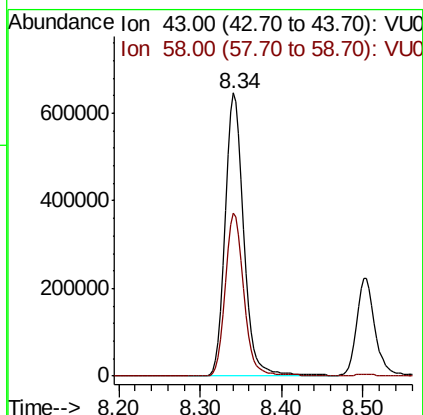
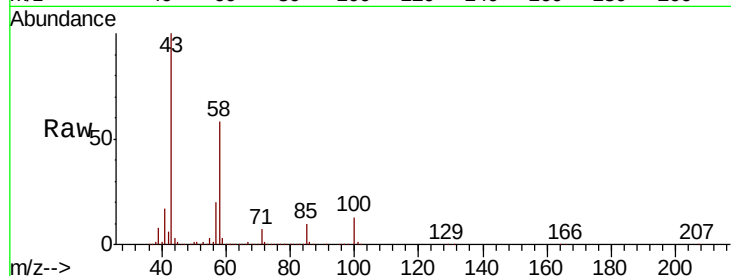




#59
2-Hexanone
Concen: 280.479 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034506.D
Acq: 12 Sep 2019 09:27

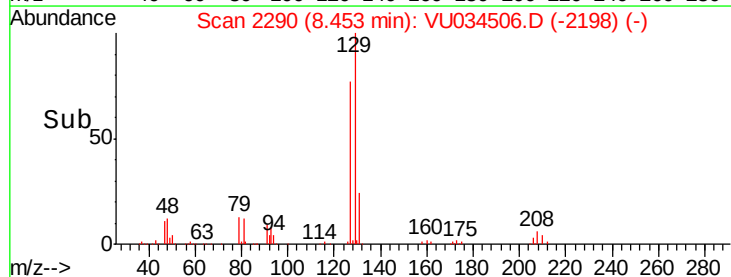
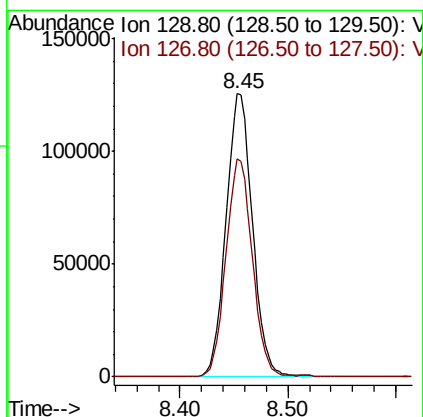
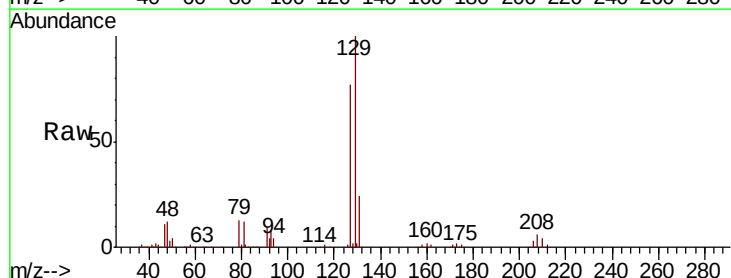
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

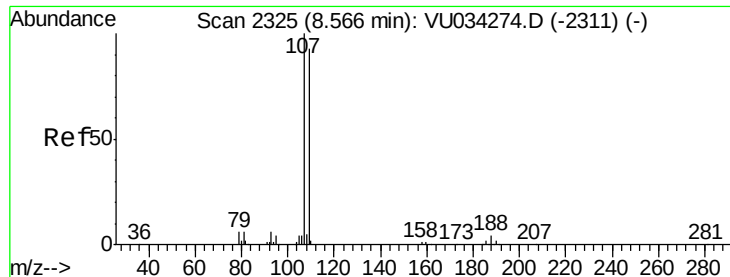
Tgt Ion: 43 Resp: 1047093
Ion Ratio Lower Upper
43 100
58 57.9 28.8 86.5



#60
Dibromochloromethane
Concen: 55.777 ug/l
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034506.D
Acq: 12 Sep 2019 09:27

Tgt Ion: 129 Resp: 215235
Ion Ratio Lower Upper
129 100
127 76.6 37.9 113.7





#61

1,2-Dibromoethane

Concen: 54.078 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

Instrument :

MSVOA_U

ClientSampleId :

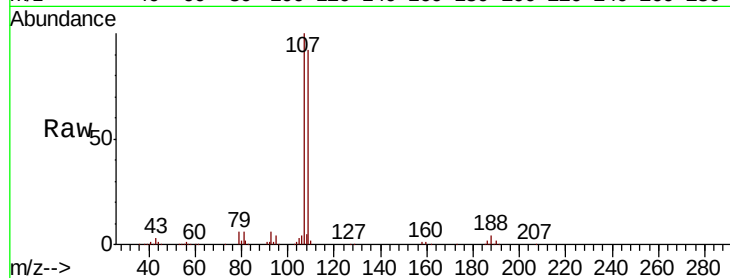
VSTDCCC050

Tgt Ion: 107 Resp: 190425

Ion Ratio Lower Upper

107 100

109 93.9 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.57

120000

100000

80000

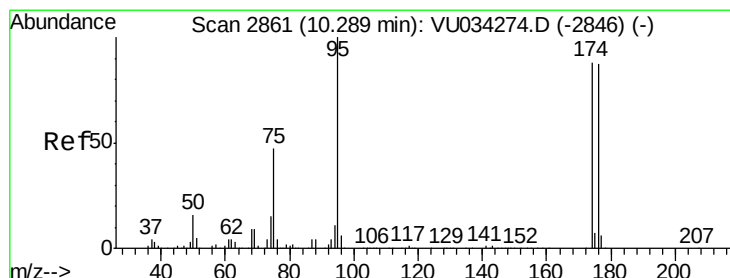
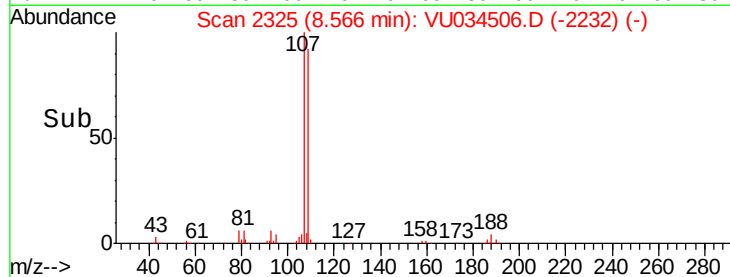
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.711 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

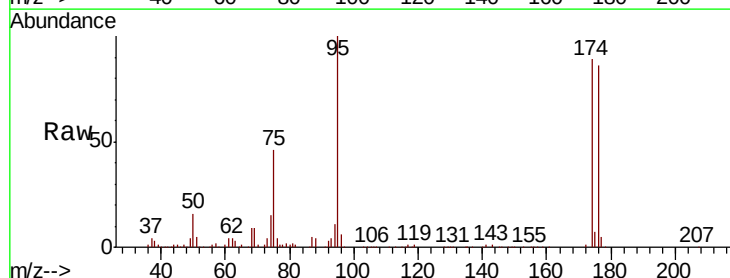
Tgt Ion: 95 Resp: 247039

Ion Ratio Lower Upper

95 100

174 89.1 0.0 175.2

176 86.3 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

200000

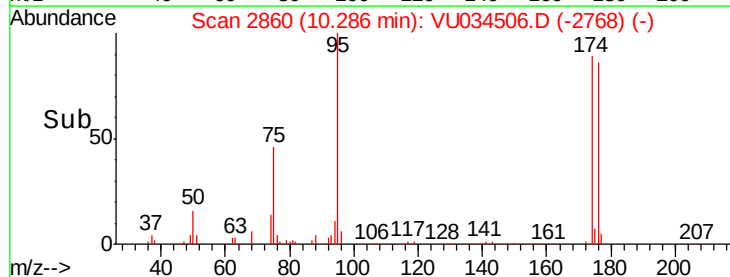
150000

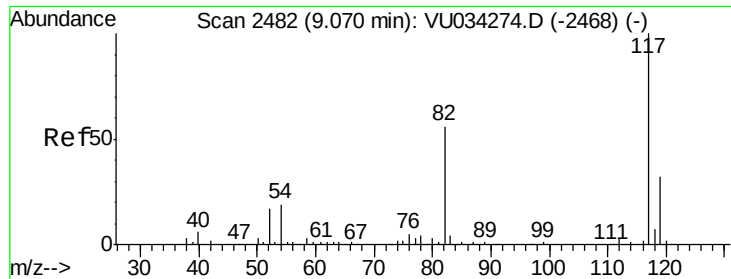
100000

50000

0

Time-->

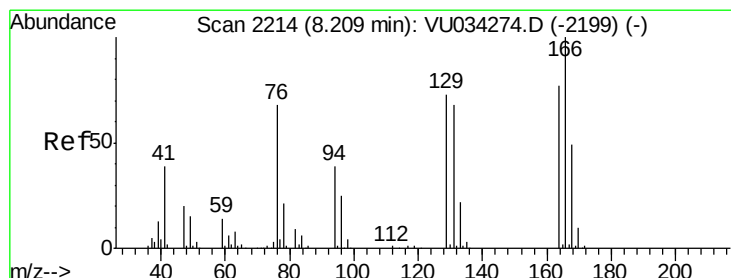
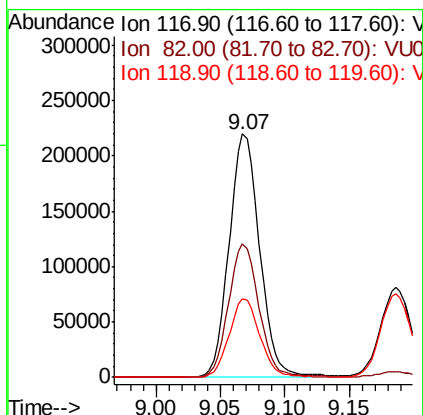
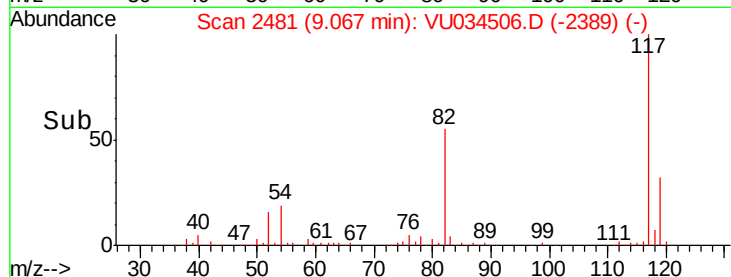
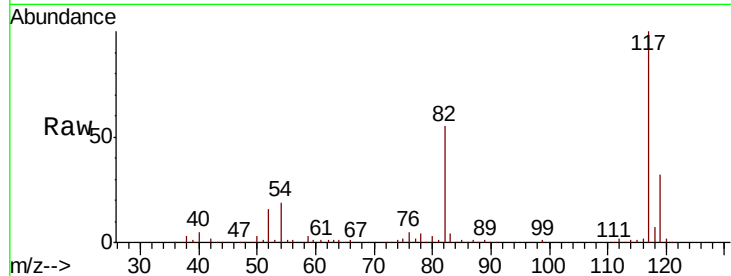




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034506.D
Acq: 12 Sep 2019 09:27

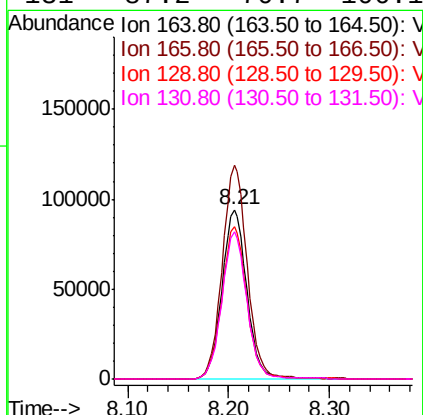
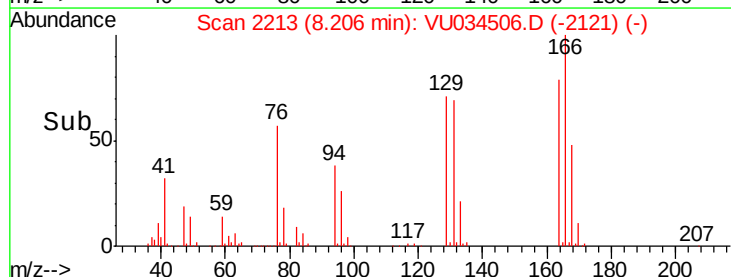
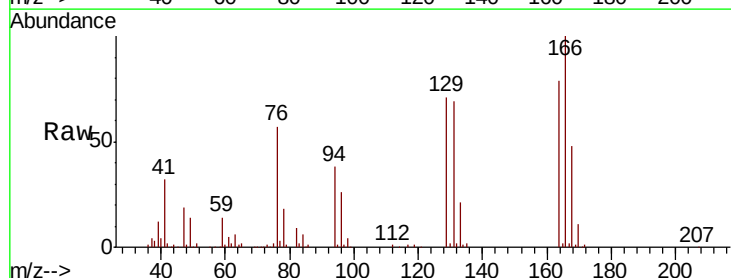
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

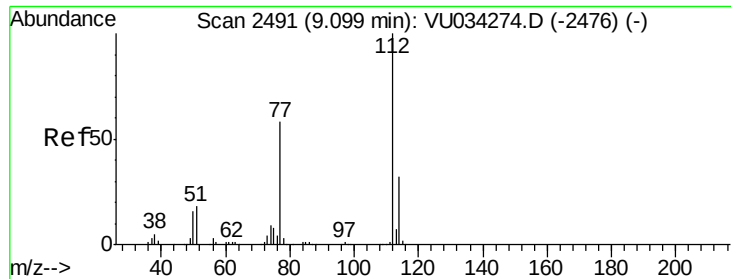
Tgt Ion:117 Resp: 363158
Ion Ratio Lower Upper
117 100
82 54.7 44.6 67.0
119 32.5 25.9 38.9



#64
Tetrachloroethene
Concen: 51.609 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034506.D
Acq: 12 Sep 2019 09:27

Tgt Ion:164 Resp: 162599
Ion Ratio Lower Upper
164 100
166 126.4 103.7 155.5
129 90.2 75.8 113.8
131 87.2 70.7 106.1

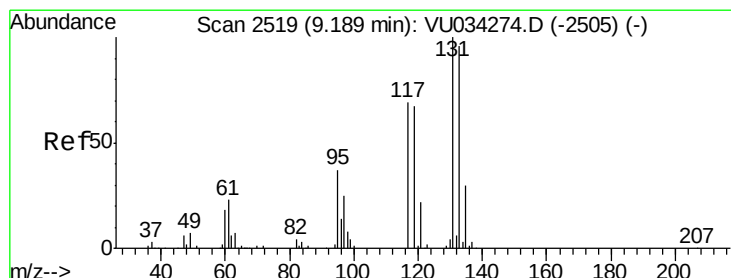
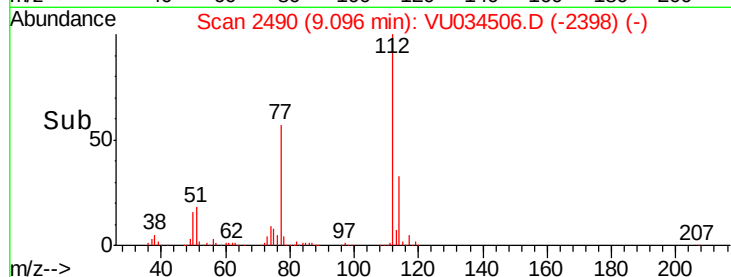
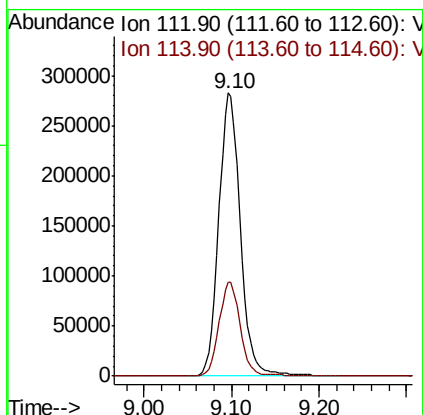
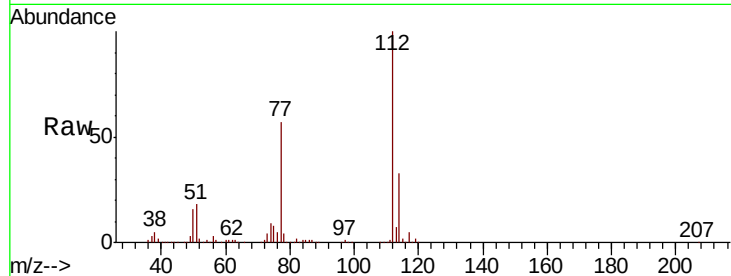




#65
Chlorobenzene
Concen: 52.643 ug/l
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034506.D
Acq: 12 Sep 2019 09:27

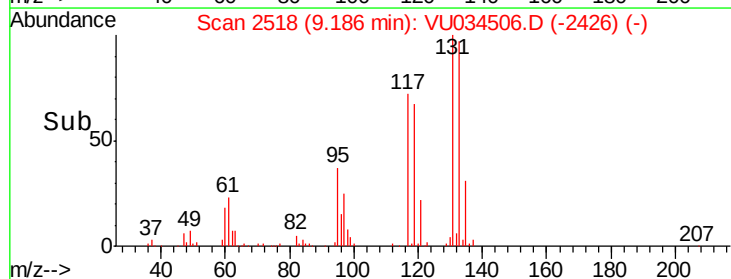
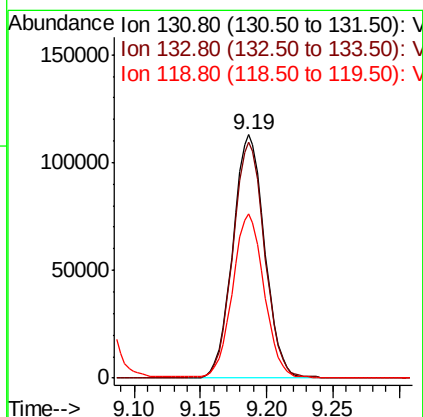
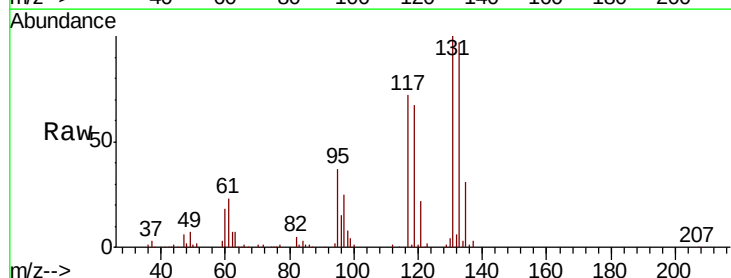
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

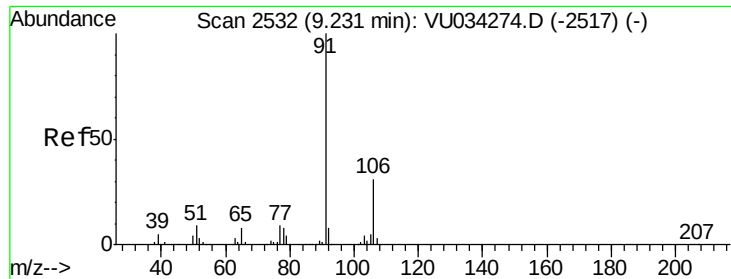
Tgt Ion:112 Resp: 485023
Ion Ratio Lower Upper
112 100
114 33.1 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 53.579 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034506.D
Acq: 12 Sep 2019 09:27

Tgt Ion:131 Resp: 188392
Ion Ratio Lower Upper
131 100
133 96.8 47.9 143.7
119 67.0 33.1 99.5

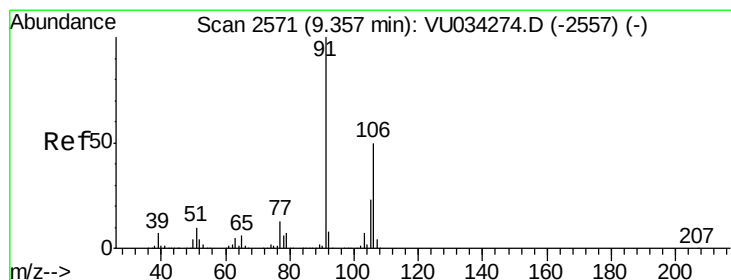
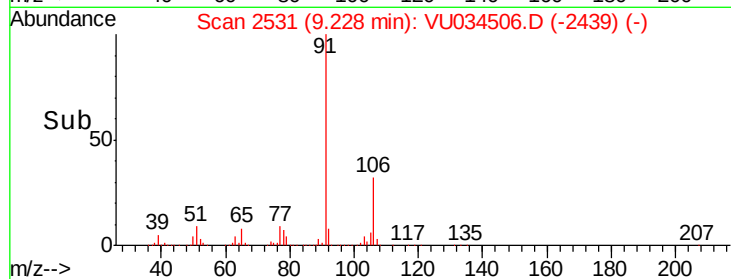
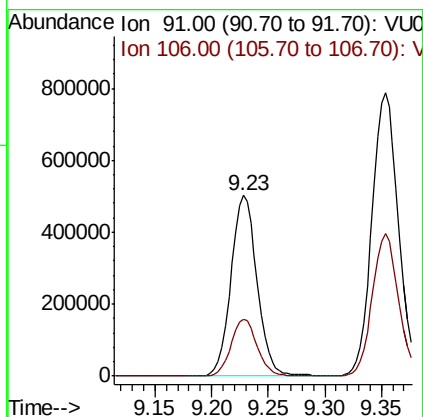
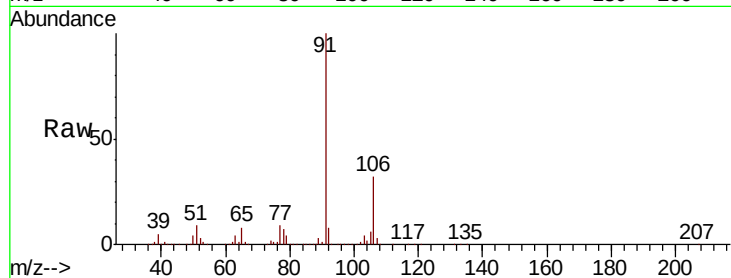




#67
 Ethyl Benzene
 Concen: 53.576 ug/l
 RT: 9.23 min Scan# 2531
 Delta R.T. -0.00 min
 Lab File: VU034506.D
 Acq: 12 Sep 2019 09:27

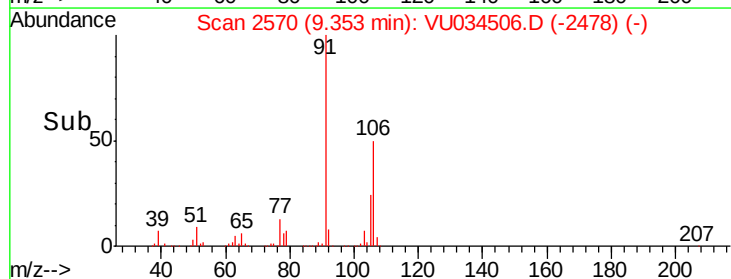
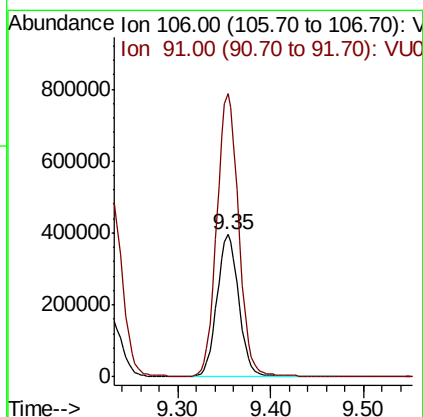
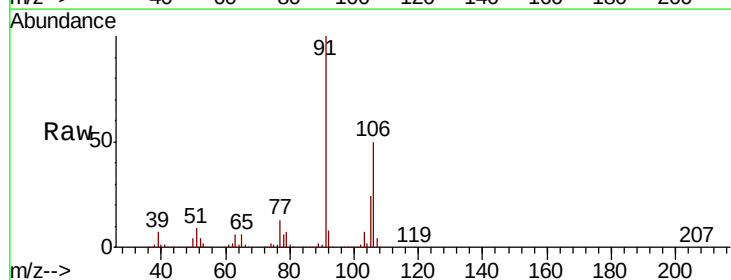
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

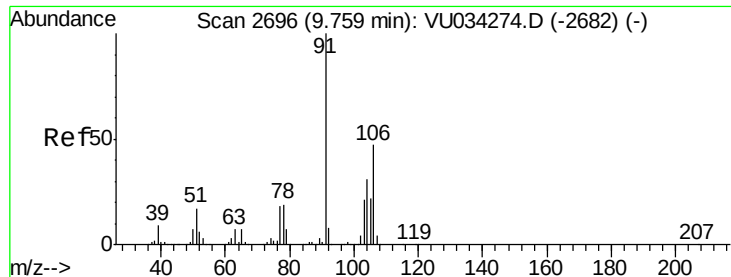
Tgt Ion: 91 Resp: 807105
 Ion Ratio Lower Upper
 91 100
 106 31.8 24.8 37.2



#68
 m/p-Xylenes
 Concen: 113.614 ug/l
 RT: 9.35 min Scan# 2570
 Delta R.T. -0.00 min
 Lab File: VU034506.D
 Acq: 12 Sep 2019 09:27

Tgt Ion: 106 Resp: 644499
 Ion Ratio Lower Upper
 106 100
 91 200.1 160.1 240.1

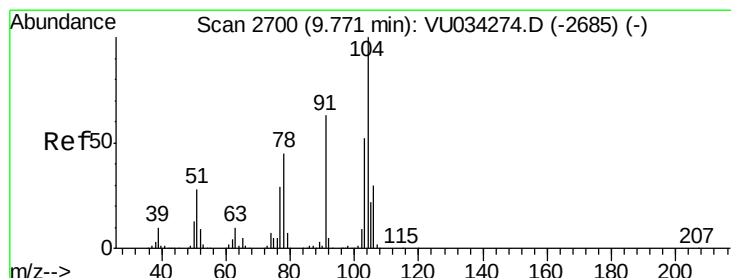
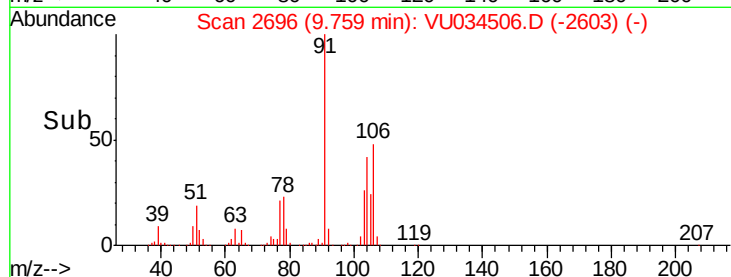
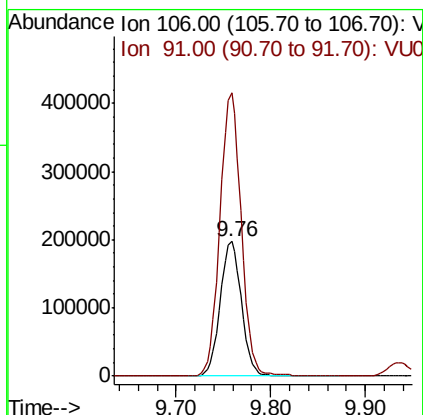
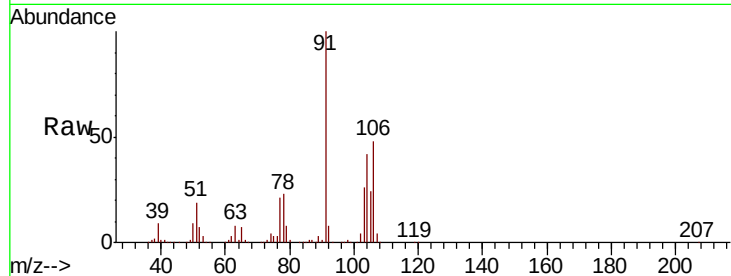




#69
o-Xylene
Concen: 55.674 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034506.D
Acq: 12 Sep 2019 09:27

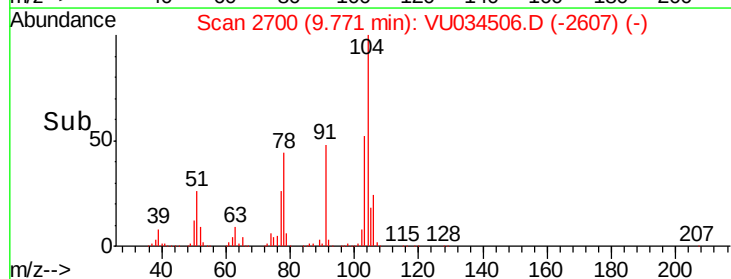
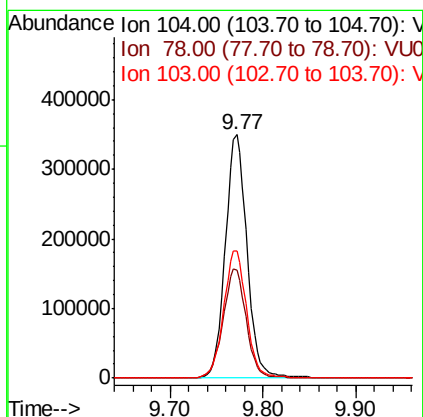
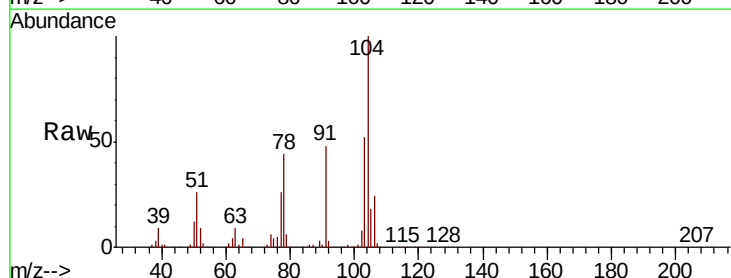
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

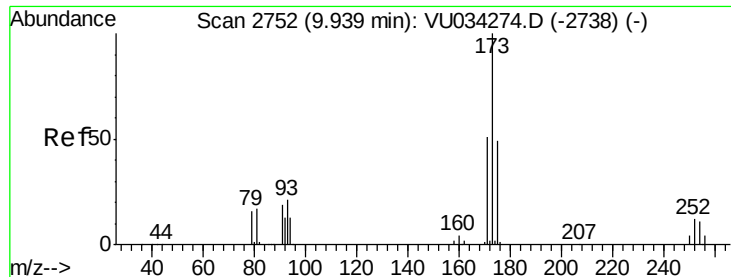
Tgt Ion:106 Resp: 308863
Ion Ratio Lower Upper
106 100
91 210.4 105.1 315.3



#70
Styrene
Concen: 58.513 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034506.D
Acq: 12 Sep 2019 09:27

Tgt Ion:104 Resp: 569135
Ion Ratio Lower Upper
104 100
78 47.9 38.6 57.8
103 55.3 44.2 66.4





#71

Bromoform

Concen: 55.642 ug/l

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

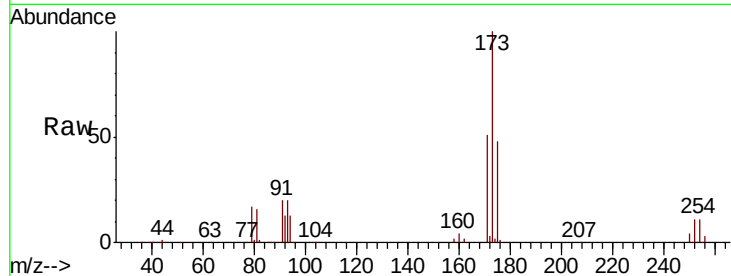
Tgt Ion:173 Resp: 169561

Ion Ratio Lower Upper

173 100

175 47.9 24.4 73.2

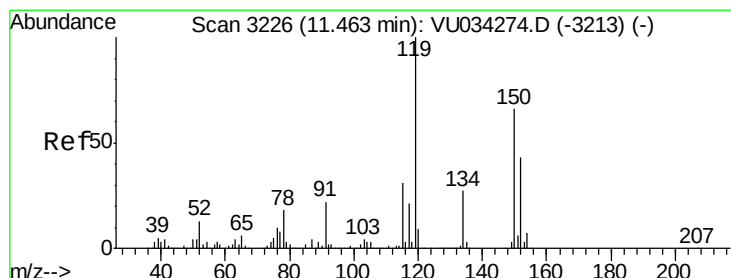
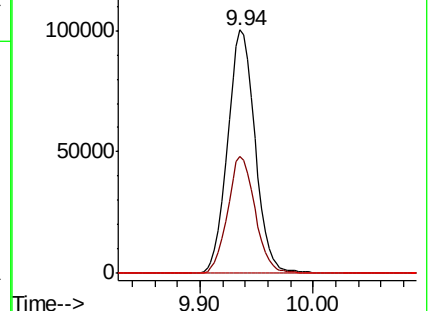
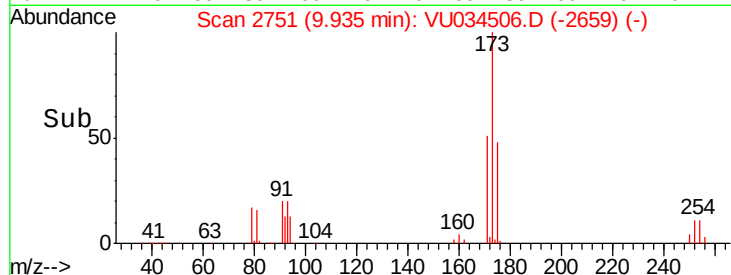
254 0.1 0.0 0.0#



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: VU034506.D

Acq: 12 Sep 2019 09:27

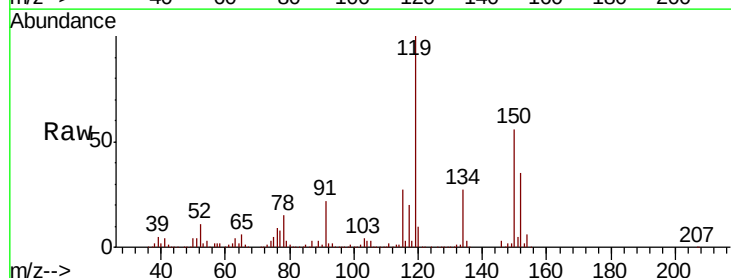
Tgt Ion:152 Resp: 250206

Ion Ratio Lower Upper

152 100

115 79.2 39.1 117.3

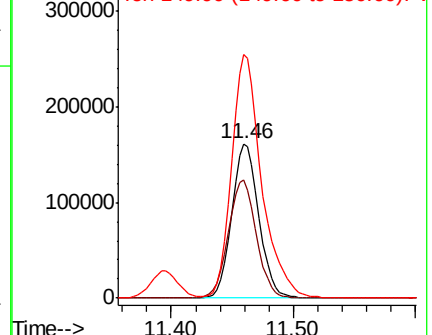
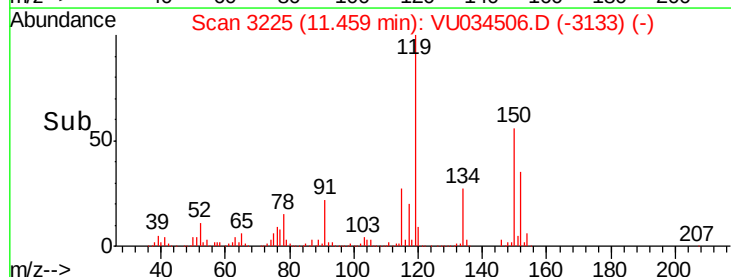
150 174.3 0.0 345.4

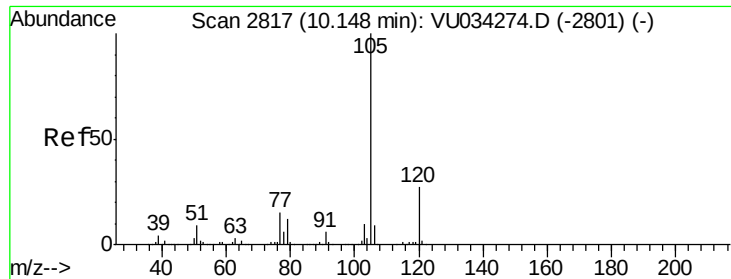


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.870 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

Instrument :

MSVOA_U

ClientSampleId :

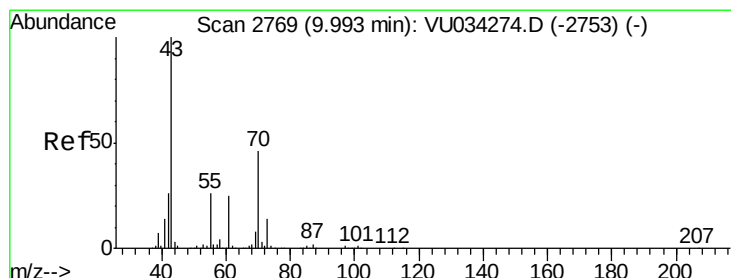
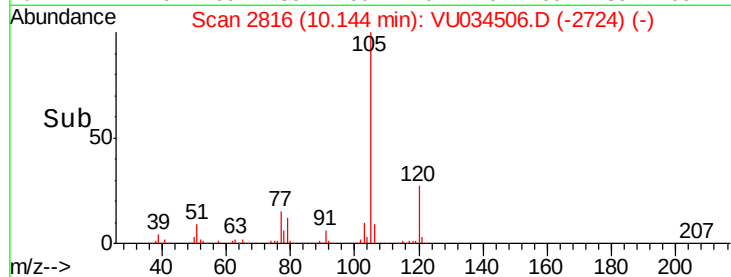
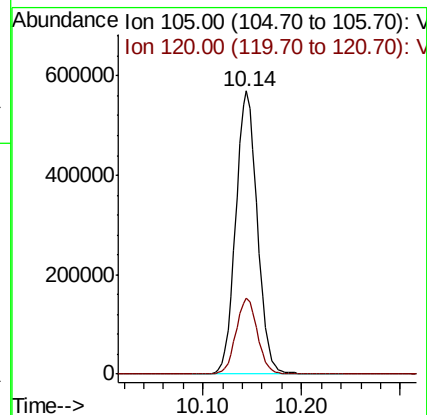
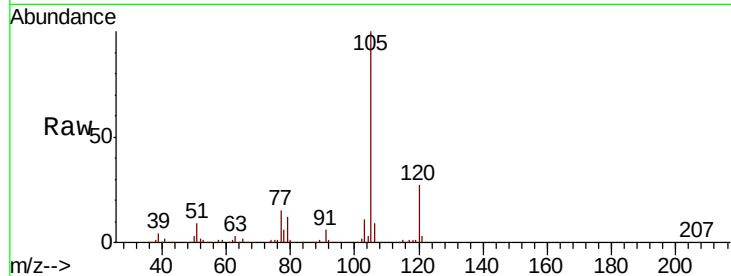
VSTDCCC050

Tgt Ion:105 Resp: 860873

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.2



#74

N-ethyl acetate

Concen: 52.791 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

Tgt Ion: 43 Resp: 346008

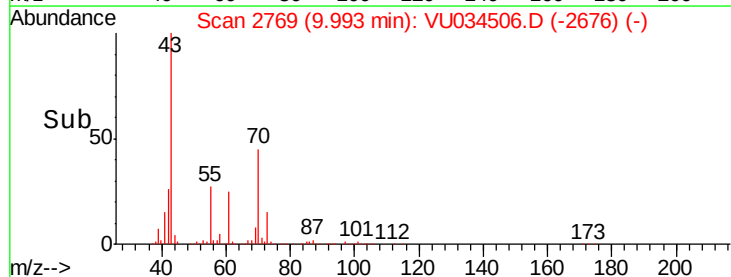
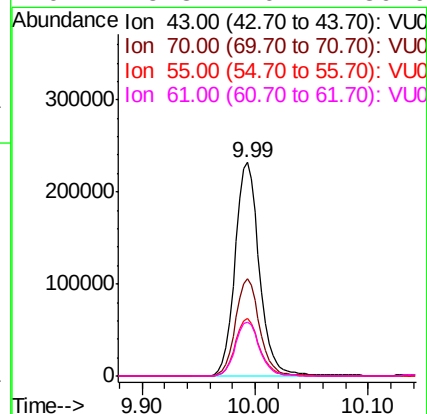
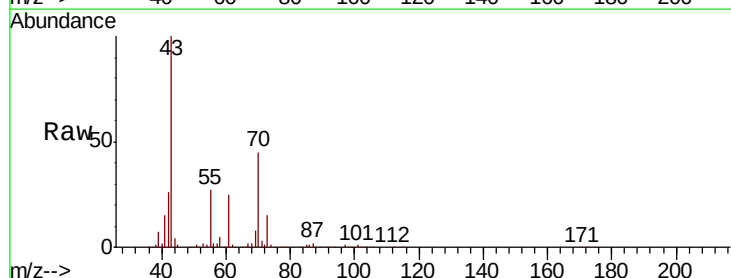
Ion Ratio Lower Upper

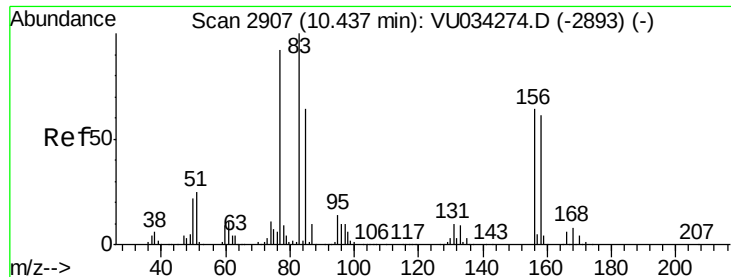
43 100

70 45.5 36.4 54.6

55 27.1 21.2 31.8

61 25.3 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.270 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

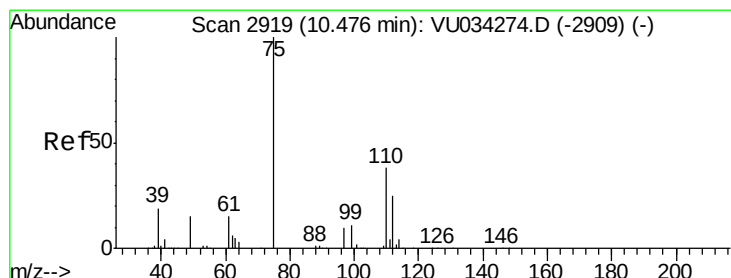
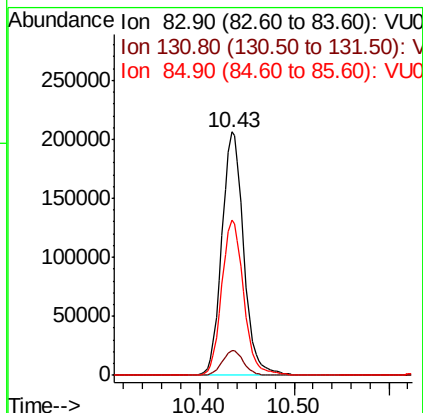
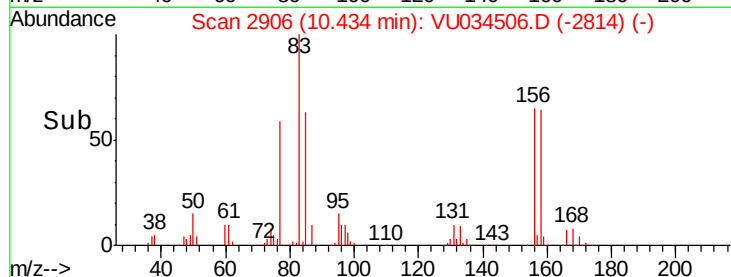
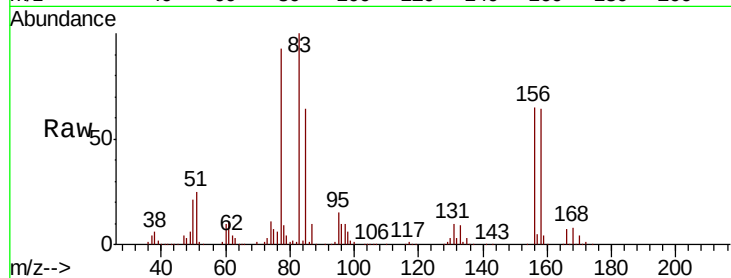
Tgt Ion: 83 Resp: 331324

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.2

85 64.3 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 65.642 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034506.D

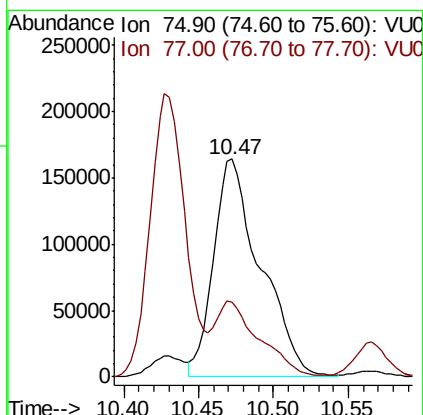
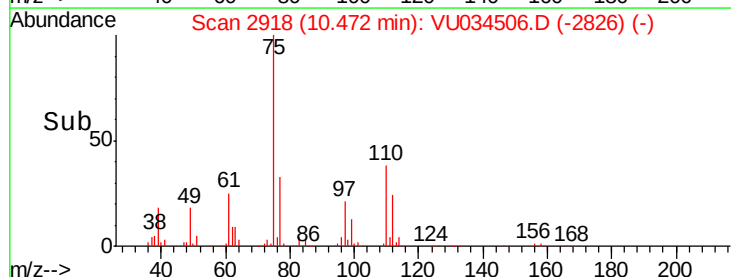
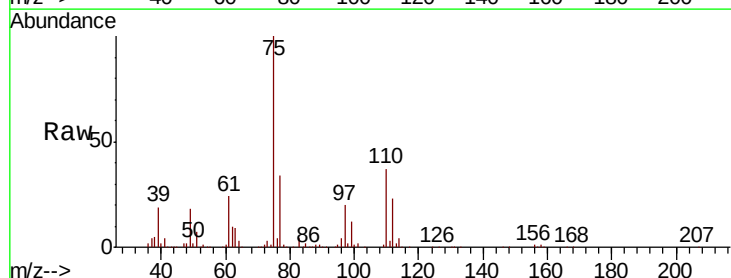
Acq: 12 Sep 2019 09:27

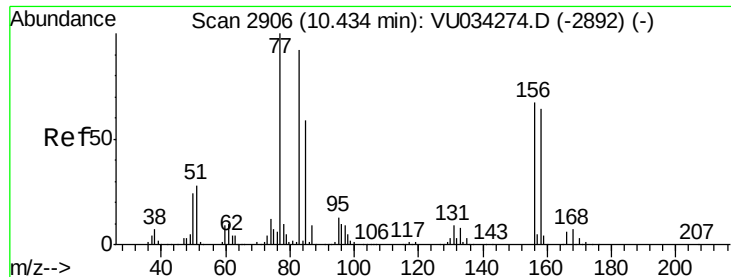
Tgt Ion: 75 Resp: 358509

Ion Ratio Lower Upper

75 100

77 32.2 20.8 62.2





#77

Bromobenzene

Concen: 51.847 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

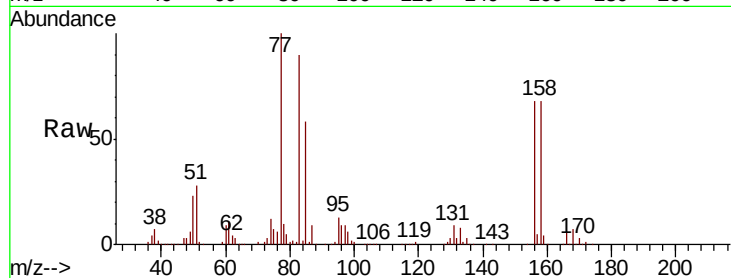
Tgt Ion:156 Resp: 236051

Ion Ratio Lower Upper

156 100

77 148.5 75.6 226.9

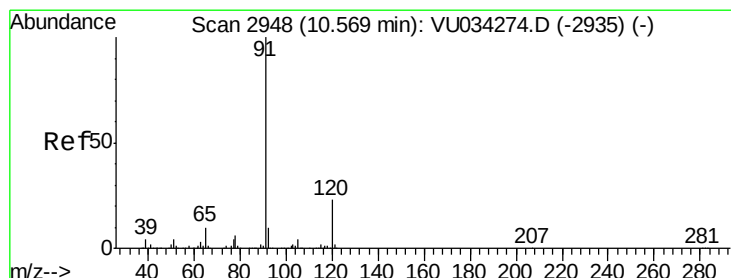
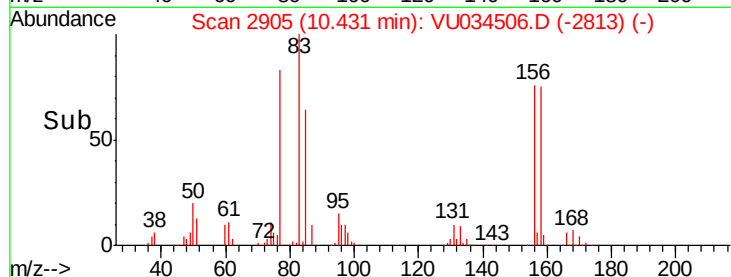
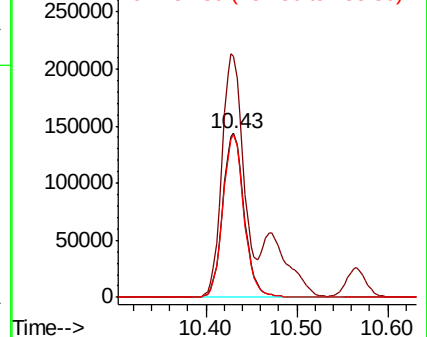
158 97.6 48.2 144.6



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: 53.721 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034506.D

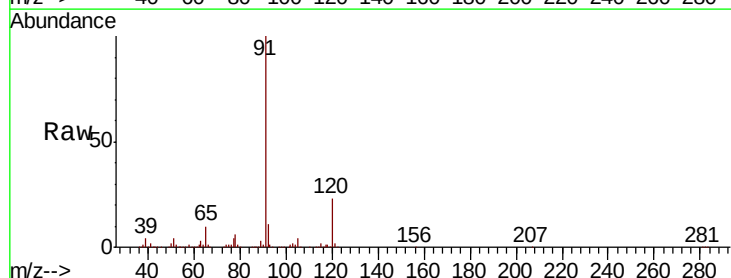
Acq: 12 Sep 2019 09:27

Tgt Ion: 91 Resp: 1010228

Ion Ratio Lower Upper

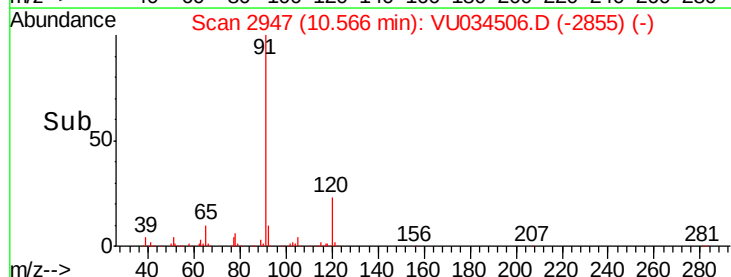
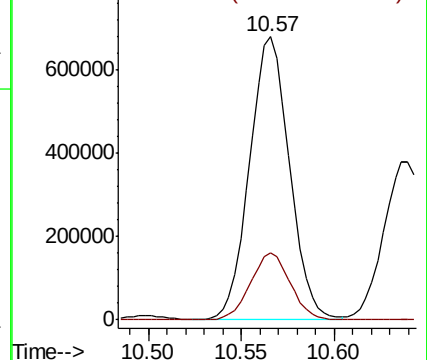
91 100

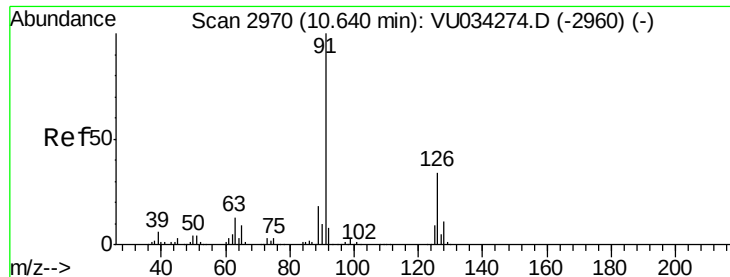
120 23.6 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.552 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. 0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

Instrument :

MSVOA_U

ClientSampleId :

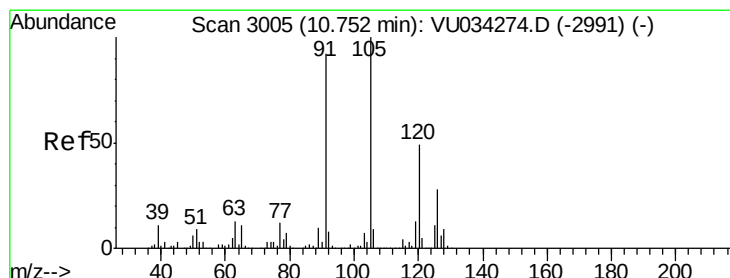
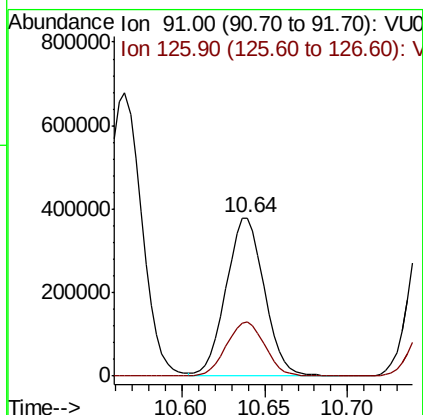
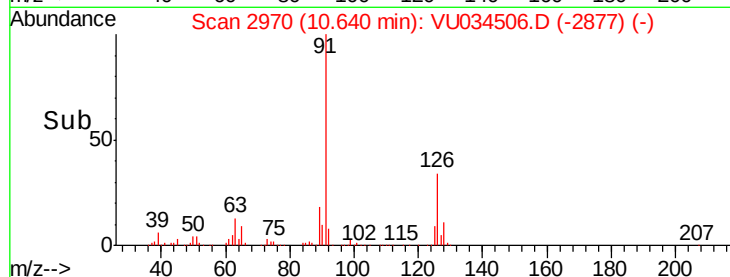
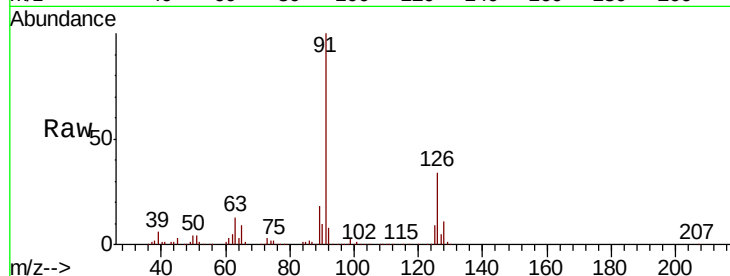
VSTDCCC050

Tgt Ion: 91 Resp: 602992

Ion Ratio Lower Upper

91 100

126 34.8 17.3 51.9



#80

1,3,5-Trimethylbenzene

Concen: 55.742 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034506.D

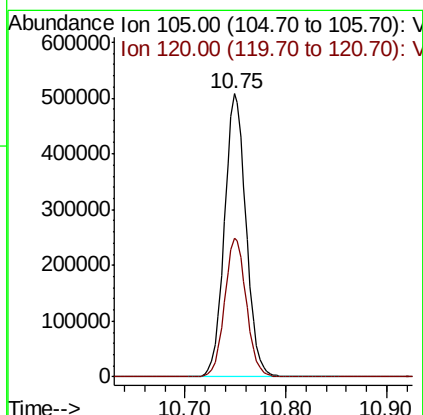
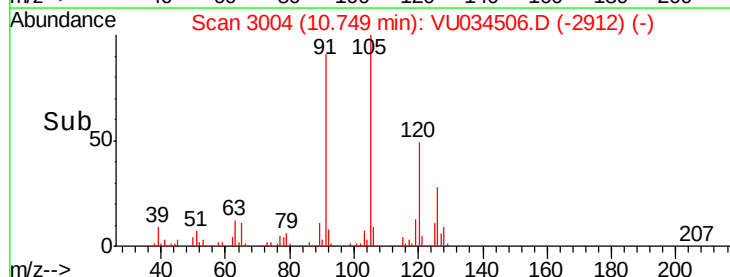
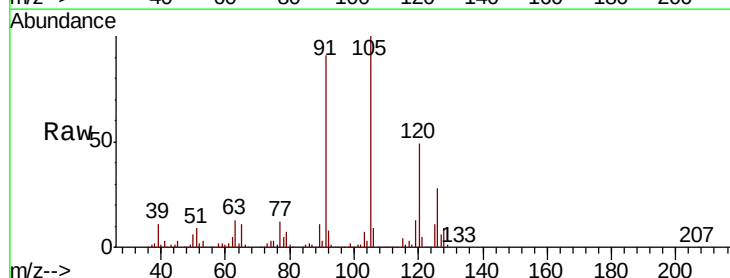
Acq: 12 Sep 2019 09:27

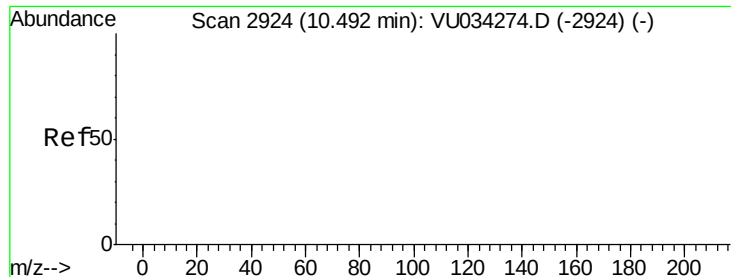
Tgt Ion: 105 Resp: 759096

Ion Ratio Lower Upper

105 100

120 49.3 24.9 74.7

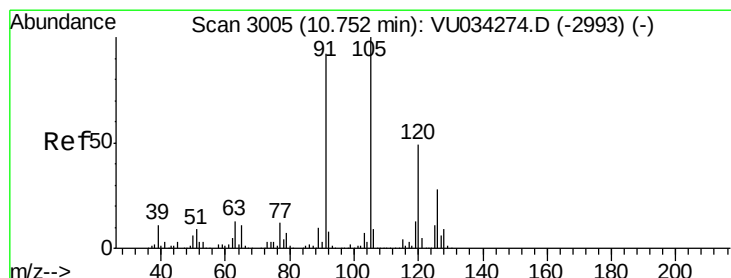
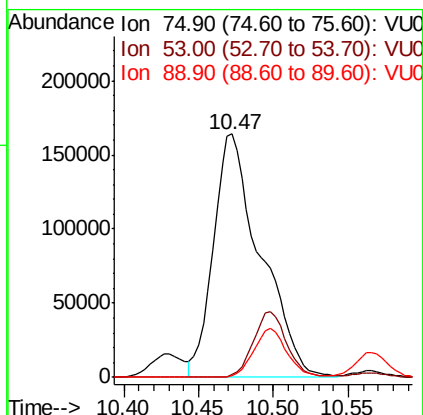
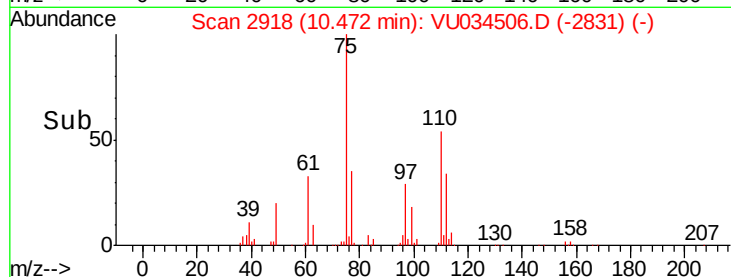
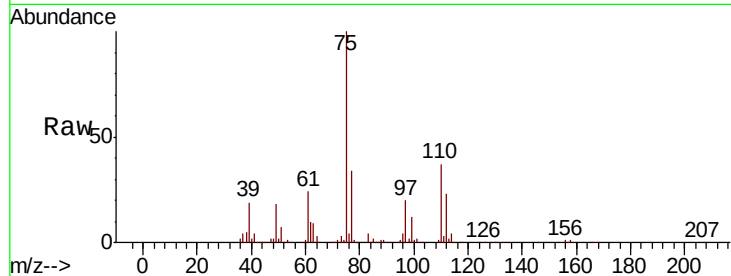




#81
trans-1,4-Dichloro-2-butene
Concen: 220.751 ug/l
RT: 10.47 min Scan# 2918
Delta R.T. -0.02 min
Lab File: VU034506.D
Acq: 12 Sep 2019 09:27

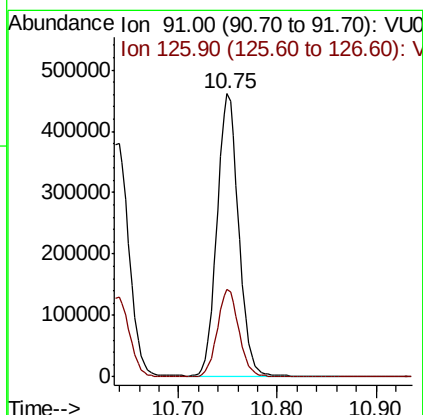
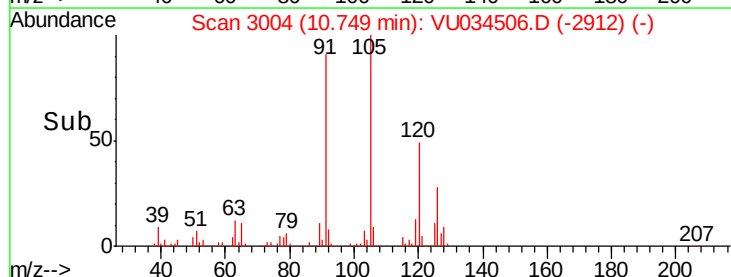
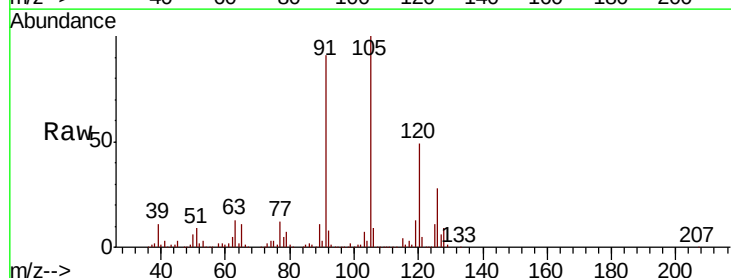
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

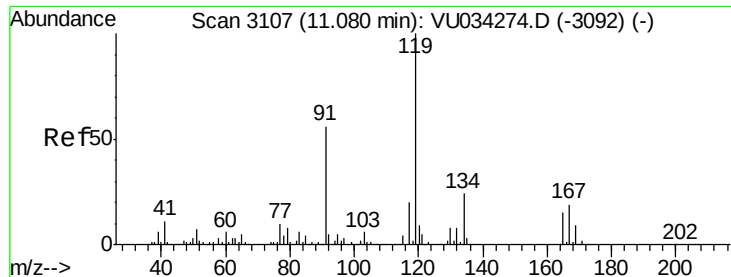
Tgt Ion: 75 Resp: 358509
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 53.859 ug/l
RT: 10.75 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VU034506.D
Acq: 12 Sep 2019 09:27

Tgt Ion: 91 Resp: 711165
Ion Ratio Lower Upper
91 100
126 30.6 15.3 45.8

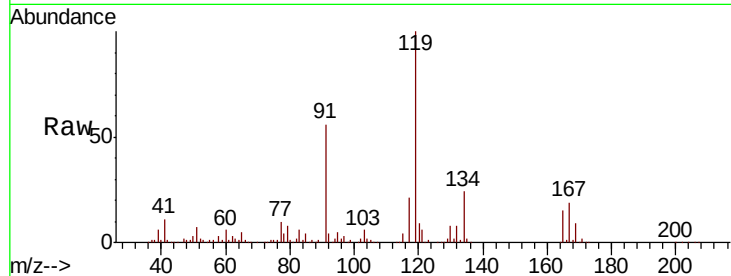




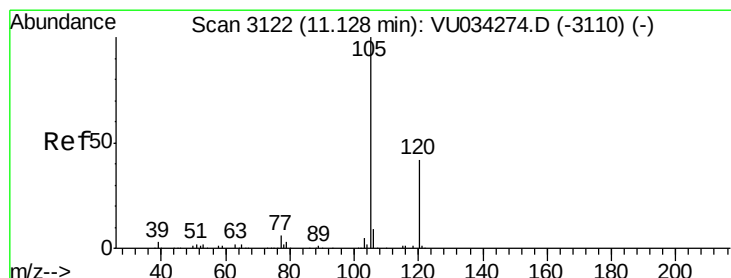
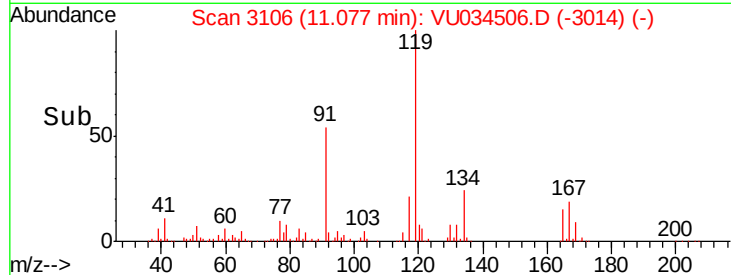
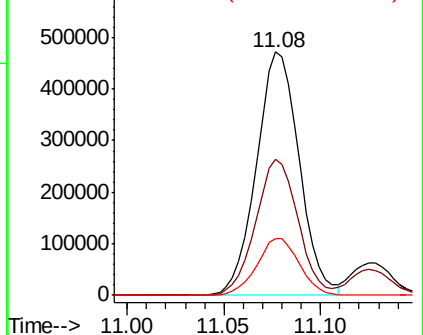
#83
 tert-Butylbenzene
 Concen: 53.534 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: VU034506.D
 Acq: 12 Sep 2019 09:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 729305
 Ion Ratio Lower Upper
 119 100
 91 55.2 27.8 83.4
 134 23.2 11.7 35.0

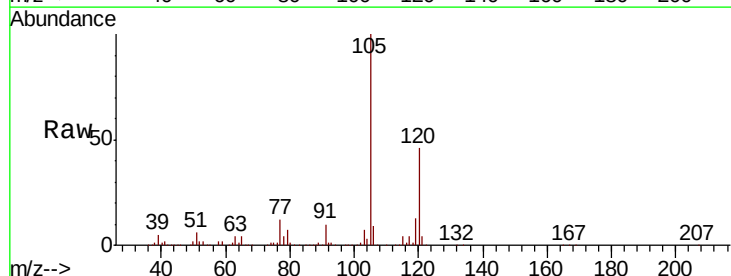


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

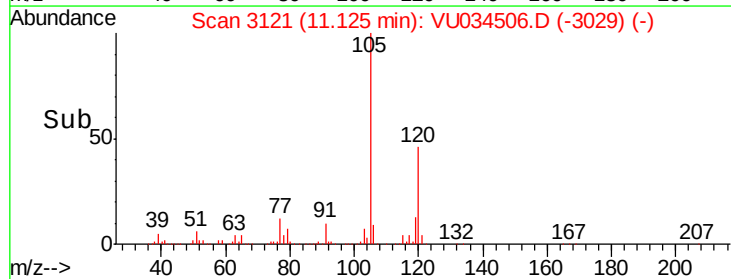
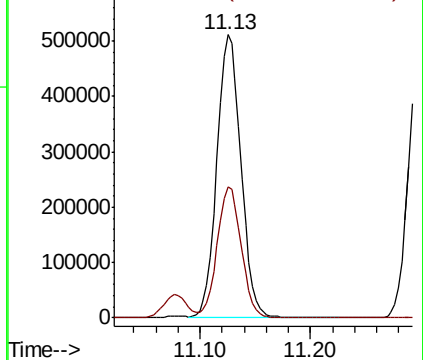


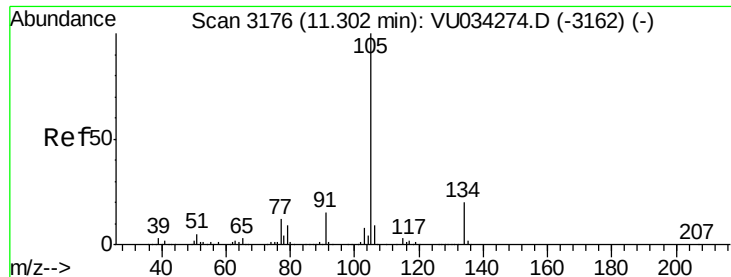
#84
 1,2,4-Trimethylbenzene
 Concen: 56.107 ug/l
 RT: 11.13 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VU034506.D
 Acq: 12 Sep 2019 09:27

Tgt Ion:105 Resp: 769122
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.9 68.8



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





#85

sec-Butylbenzene

Concen: 55.047 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

Instrument :

MSVOA_U

ClientSampleId :

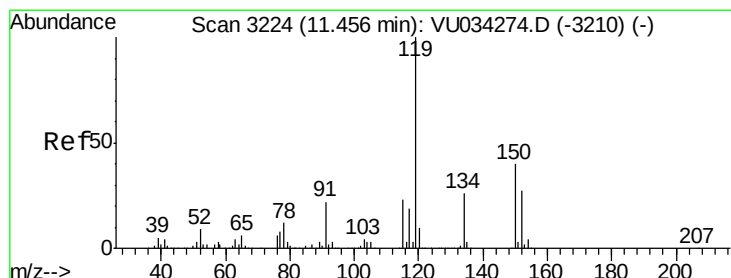
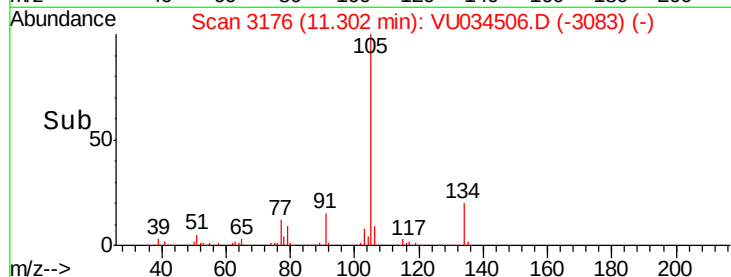
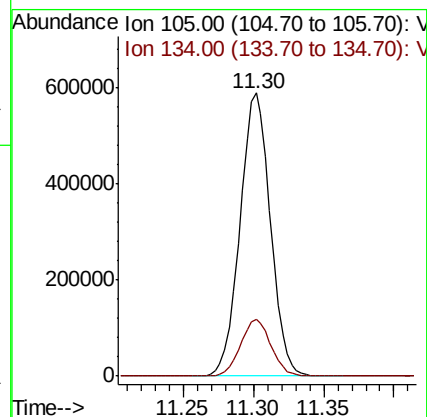
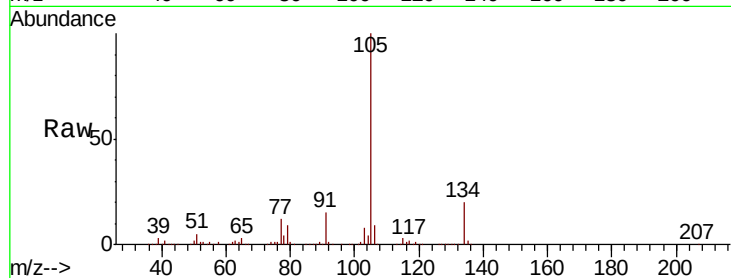
VSTDCCC050

Tgt Ion:105 Resp: 885321

Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.3



#86

p-Isopropyltoluene

Concen: 55.411 ug/l

RT: 11.45 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

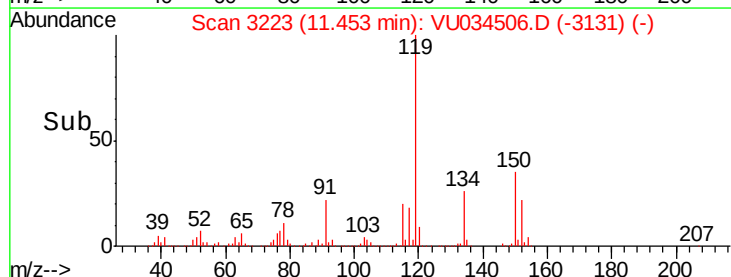
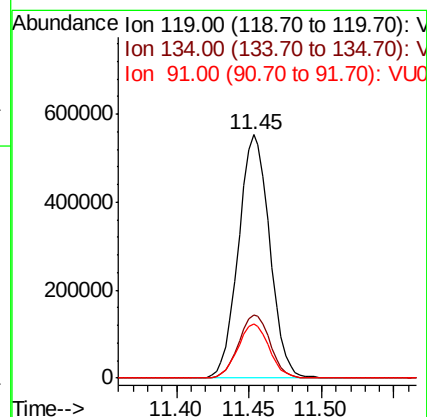
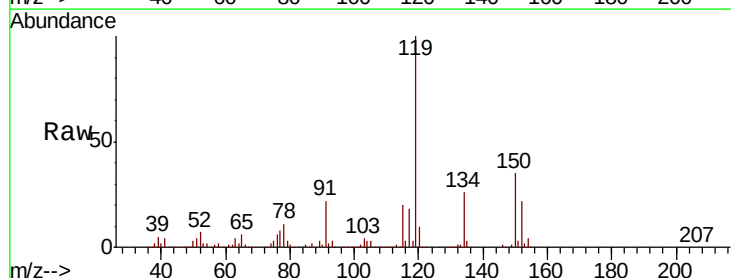
Tgt Ion:119 Resp: 822552

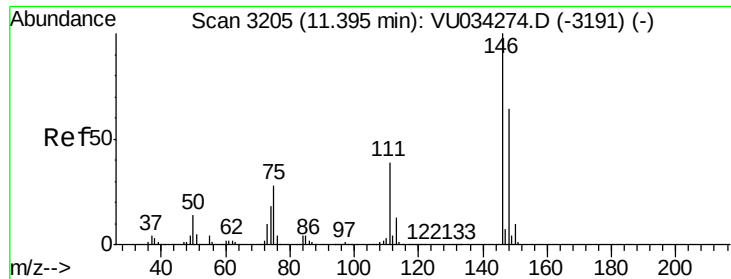
Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

91 22.3 11.2 33.6

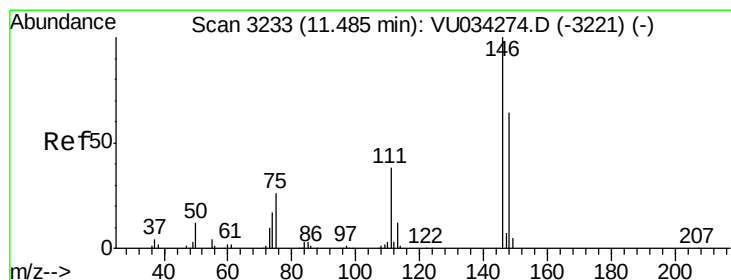
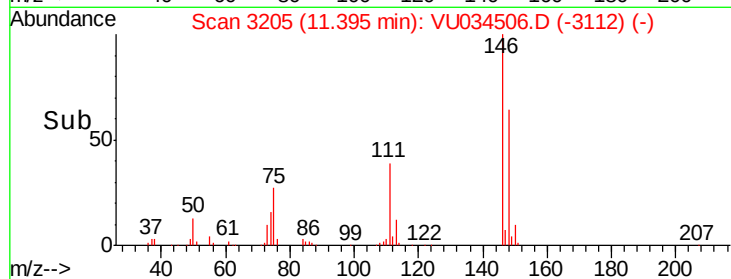
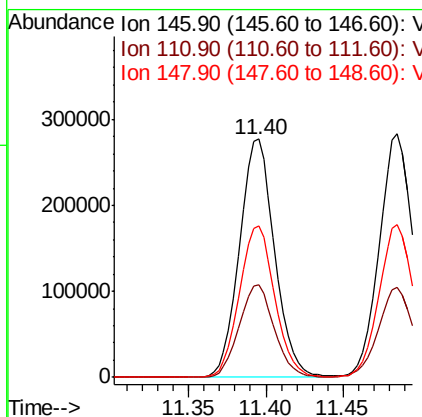
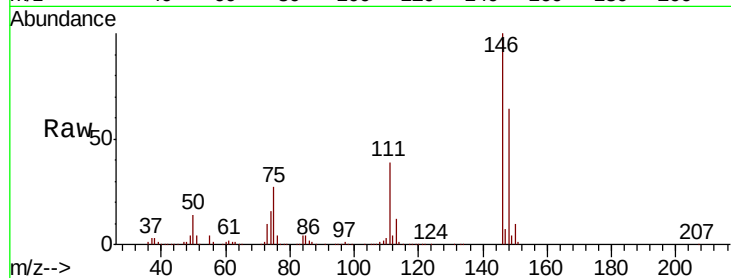




#87
 1,3-Dichlorobenzene
 Concen: 52.728 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034506.D
 Acq: 12 Sep 2019 09:27

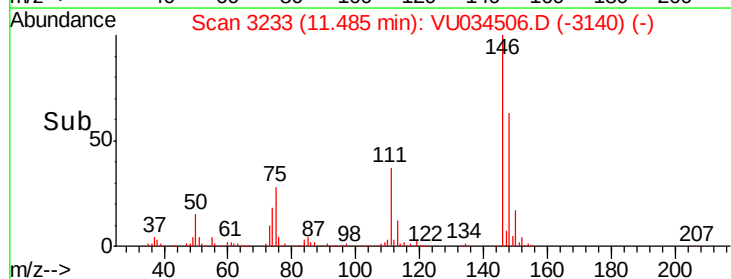
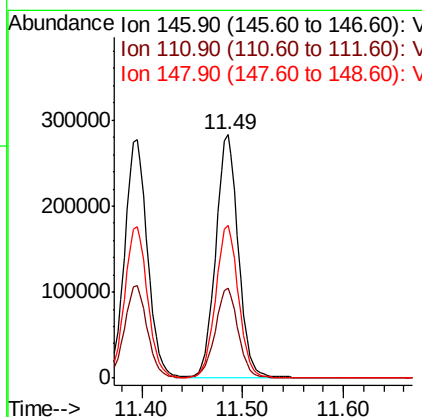
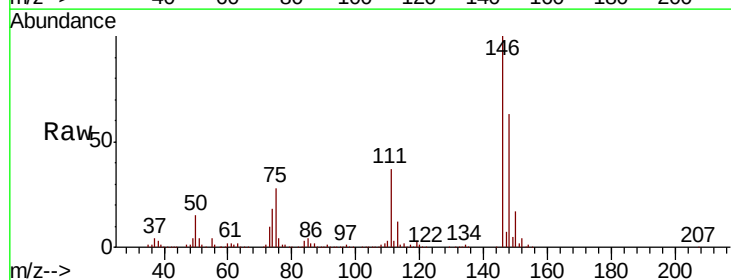
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

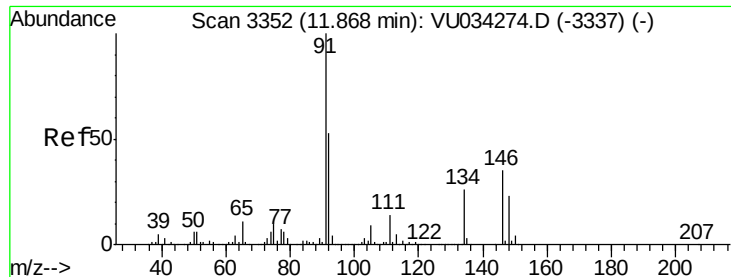
Tgt Ion:146 Resp: 438060
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.5 58.5
 148 63.8 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 50.835 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034506.D
 Acq: 12 Sep 2019 09:27

Tgt Ion:146 Resp: 440509
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.1 57.3
 148 63.6 32.0 96.0





#89

n-Butylbenzene

Concen: 55.462 ug/l

RT: 11.87 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VU034506.D

Acq: 12 Sep 2019 09:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

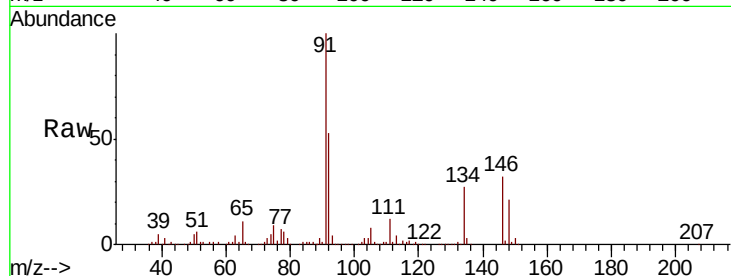
Tgt Ion: 91 Resp: 715466

Ion Ratio Lower Upper

91 100

92 52.9 26.5 79.4

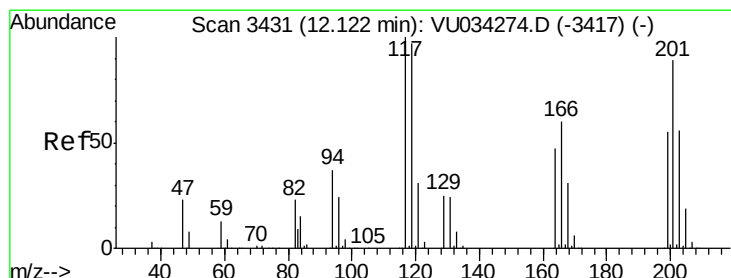
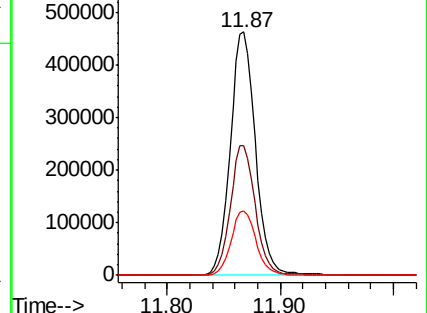
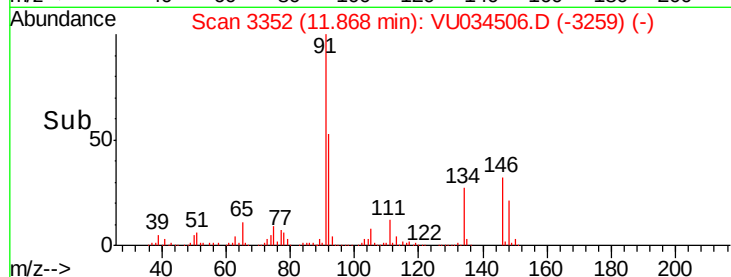
134 26.5 13.2 39.6



Abundance Ion 91.00 (90.70 to 91.70): VU034506.D (-3259) (-)

Ion 92.00 (91.70 to 92.70): VU034506.D (-3259) (-)

Ion 134.00 (133.70 to 134.70): VU034506.D (-3259) (-)



#90

Hexachloroethane

Concen: 52.941 ug/l

RT: 12.12 min Scan# 3431

Delta R.T. -0.00 min

Lab File: VU034506.D

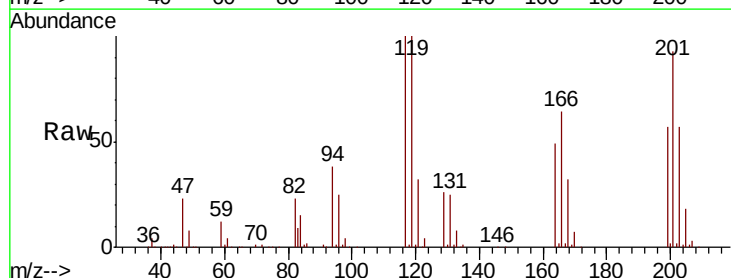
Acq: 12 Sep 2019 09:27

Tgt Ion: 117 Resp: 125732

Ion Ratio Lower Upper

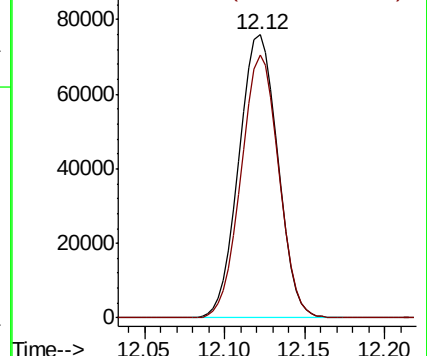
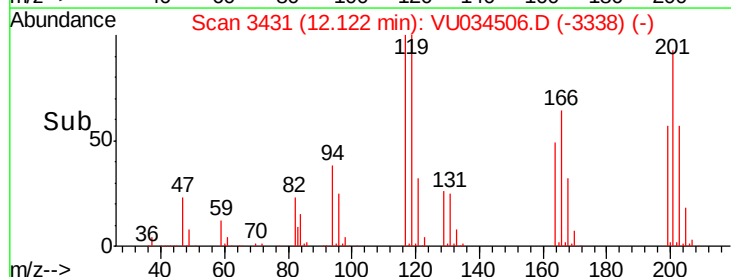
117 100

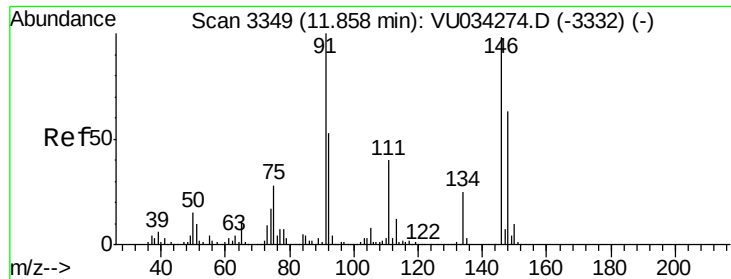
201 89.7 44.1 132.4



Abundance Ion 116.80 (116.50 to 117.50): VU034506.D (-3338) (-)

Ion 200.70 (200.40 to 201.40): VU034506.D (-3338) (-)

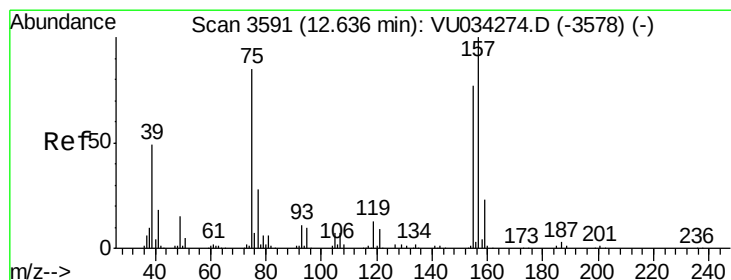
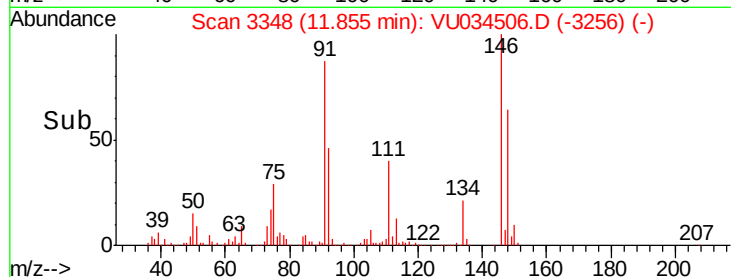
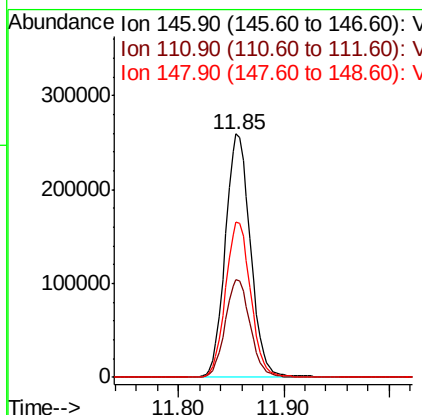
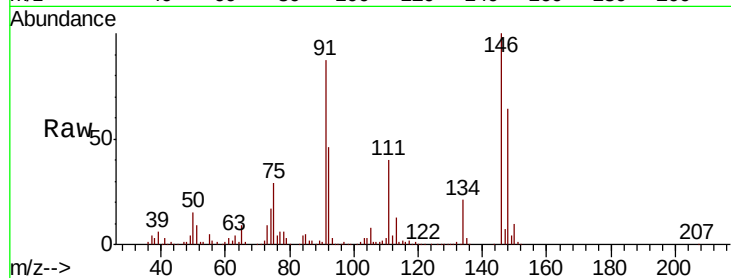




#91
 1,2-Dichlorobenzene
 Concen: 52.348 ug/l
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034506.D
 Acq: 12 Sep 2019 09:27

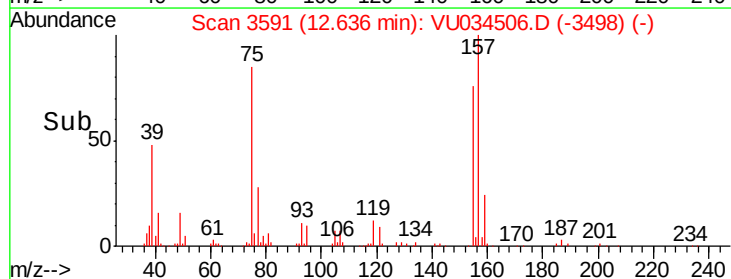
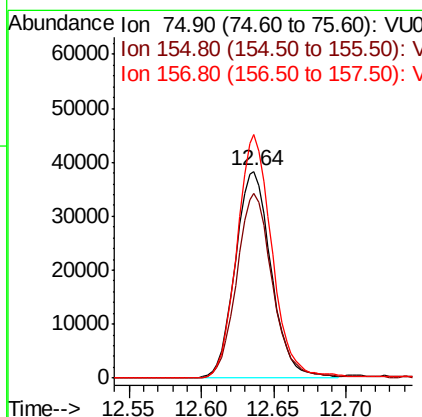
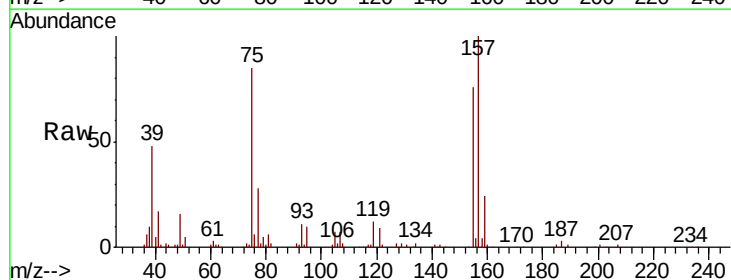
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

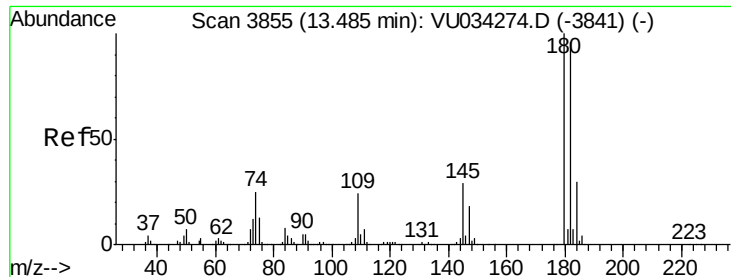
Tgt Ion:146 Resp: 427420
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 60.0
 148 64.2 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.534 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU034506.D
 Acq: 12 Sep 2019 09:27

Tgt Ion: 75 Resp: 66048
 Ion Ratio Lower Upper
 75 100
 155 89.4 44.6 134.0
 157 114.9 58.2 174.6

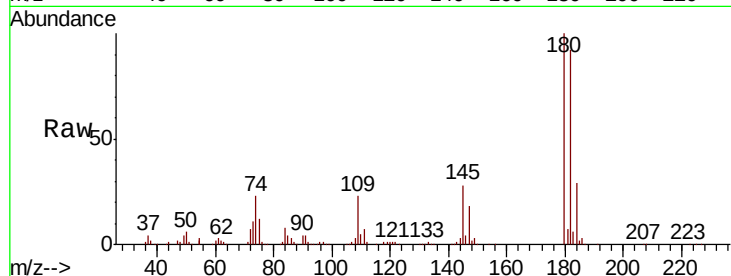




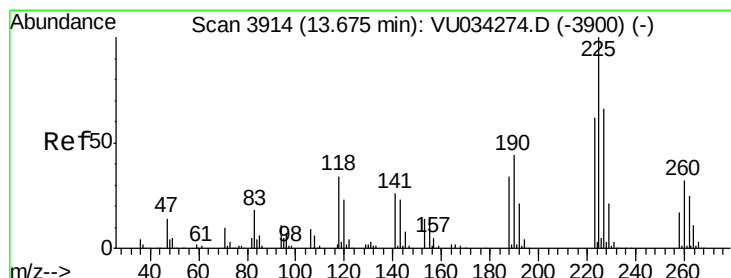
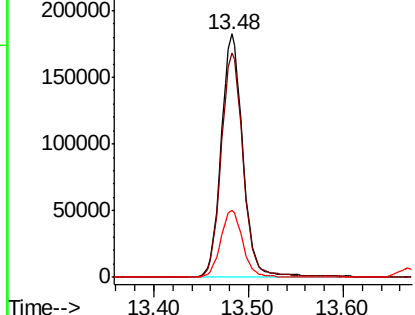
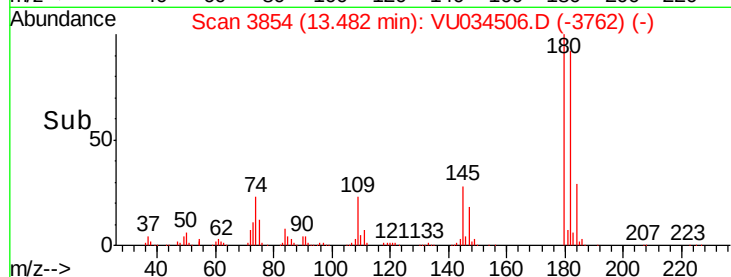
#93
 1,2,4-Trichlorobenzene
 Concen: 49.210 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034506.D
 Acq: 12 Sep 2019 09:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
180	291062		
182	93.4	47.9	143.8
145	27.8	14.4	43.0

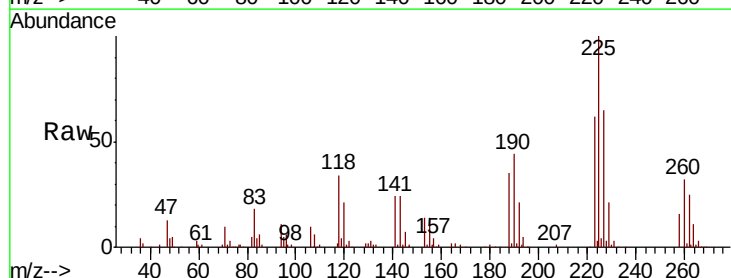


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

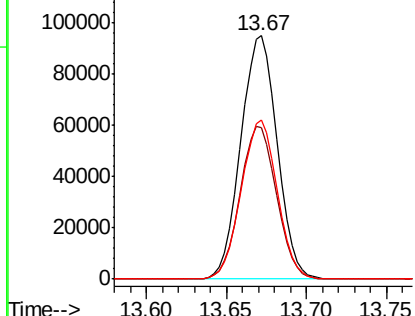
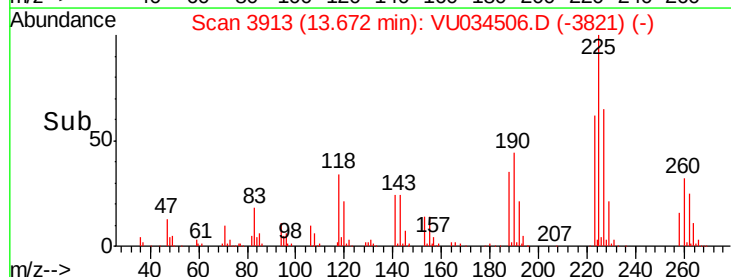


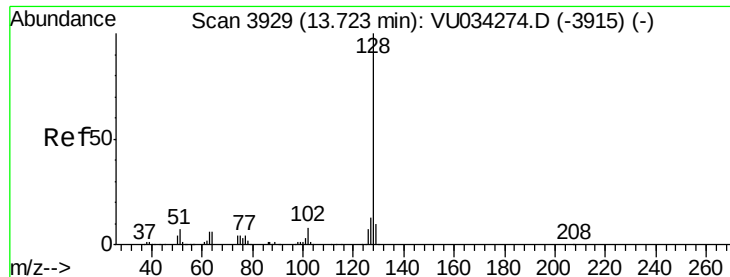
#94
 Hexachlorobutadiene
 Concen: 51.657 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034506.D
 Acq: 12 Sep 2019 09:27

Tgt Ion	Resp	Lower	Upper
225	147535		
223	62.8	31.6	94.7
227	64.8	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

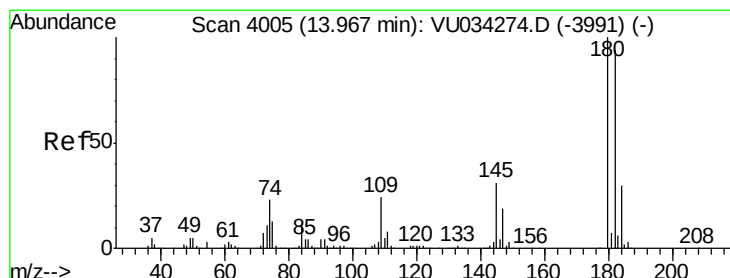
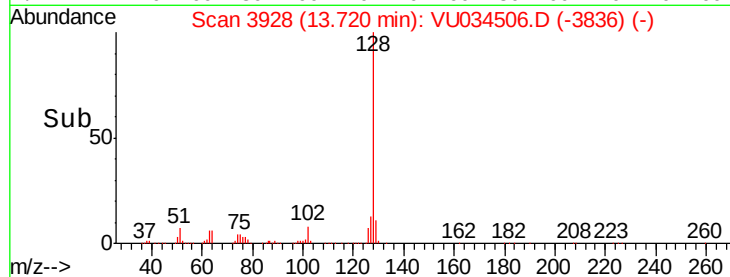
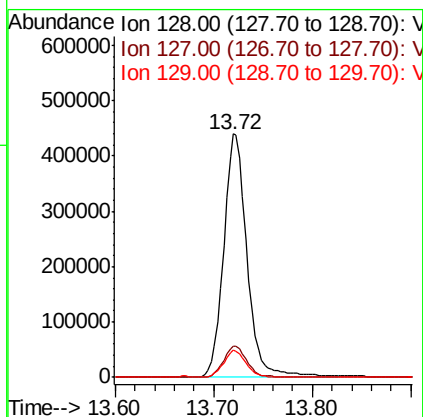
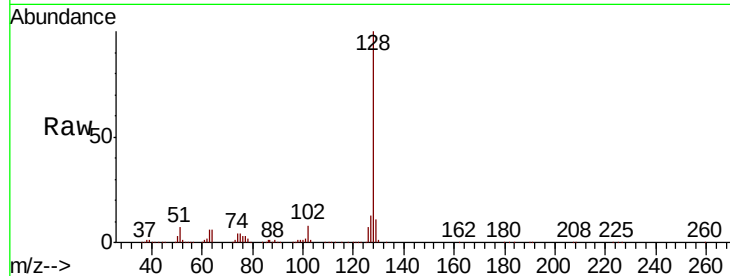




#95
Naphthalene
Concen: 44.483 ug/l
RT: 13.72 min Scan# 3928
Delta R.T. -0.00 min
Lab File: VU034506.D
Acq: 12 Sep 2019 09:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt 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: 49.093 ug/l
RT: 13.96 min Scan# 4004
Delta R.T. -0.00 min
Lab File: VU034506.D
Acq: 12 Sep 2019 09:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.2	48.4	145.0
145	31.3	15.4	46.4

