

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010820\
 Data File : VU036413.D
 Acq On : 08 Jan 2020 18:25
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 09 03:53:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 09 03:50:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	495683	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	483105	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	221201	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	149054	38.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.18%
7) Chloroethane-d5	1.93	69	139515	42.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.64%
11) 1,1-Dichloroethene-d2	2.59	63	307919	46.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.60%
21) 2-Butanone-d5	4.68	46	302958	105.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.33%
24) Chloroform-d	5.11	84	343839	51.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.00%
26) 1,2-Dichloroethane-d4	5.75	65	228889	51.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.42%
32) Benzene-d6	5.77	84	663164	49.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.62%
36) 1,2-Dichloropropane-d6	6.73	67	217470	48.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.42%
41) Toluene-d8	7.93	98	636906	49.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.66%
43) trans-1,3-Dichloropropene-	8.21	79	113702	46.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.90%
47) 2-Hexanone-d5	8.67	63	229673	98.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.72%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	336098	49.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.26%
64) 1,2-Dichlorobenzene-d4	12.21	152	224454	48.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.74%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	180867	45.685	ug/L 99
3) Chloromethane	1.54	50	165760	46.016	ug/L 100
5) Vinyl chloride	1.62	62	175332	41.936	ug/L 98
6) Bromomethane	1.87	94	98571	48.785	ug/L 99
8) Chloroethane	1.95	64	109771	43.637	ug/L 99
9) Trichlorofluoromethane	2.16	101	263322	44.798	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	143063	49.166	ug/L 98
12) 1,1-Dichloroethene	2.61	96	139517	48.640	ug/L 96
13) Acetone	2.66	43	216860	72.692	ug/L 98
14) Carbon disulfide	2.82	76	375769	42.334	ug/L 98
15) Methyl Acetate	2.99	43	214064	53.361	ug/L 97
16) Methylene chloride	3.08	84	178576	50.859	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	149635	48.321	ug/L 93
18) Methyl tert-butyl Ether	3.41	73	584871	51.992	ug/L 99
19) 1,1-Dichloroethane	3.92	63	315490	50.827	ug/L 97
20) cis-1,2-Dichloroethene	4.72	96	186196	49.710	ug/L # 95
22) 2-Butanone	4.76	43	326544	92.656	ug/L 99

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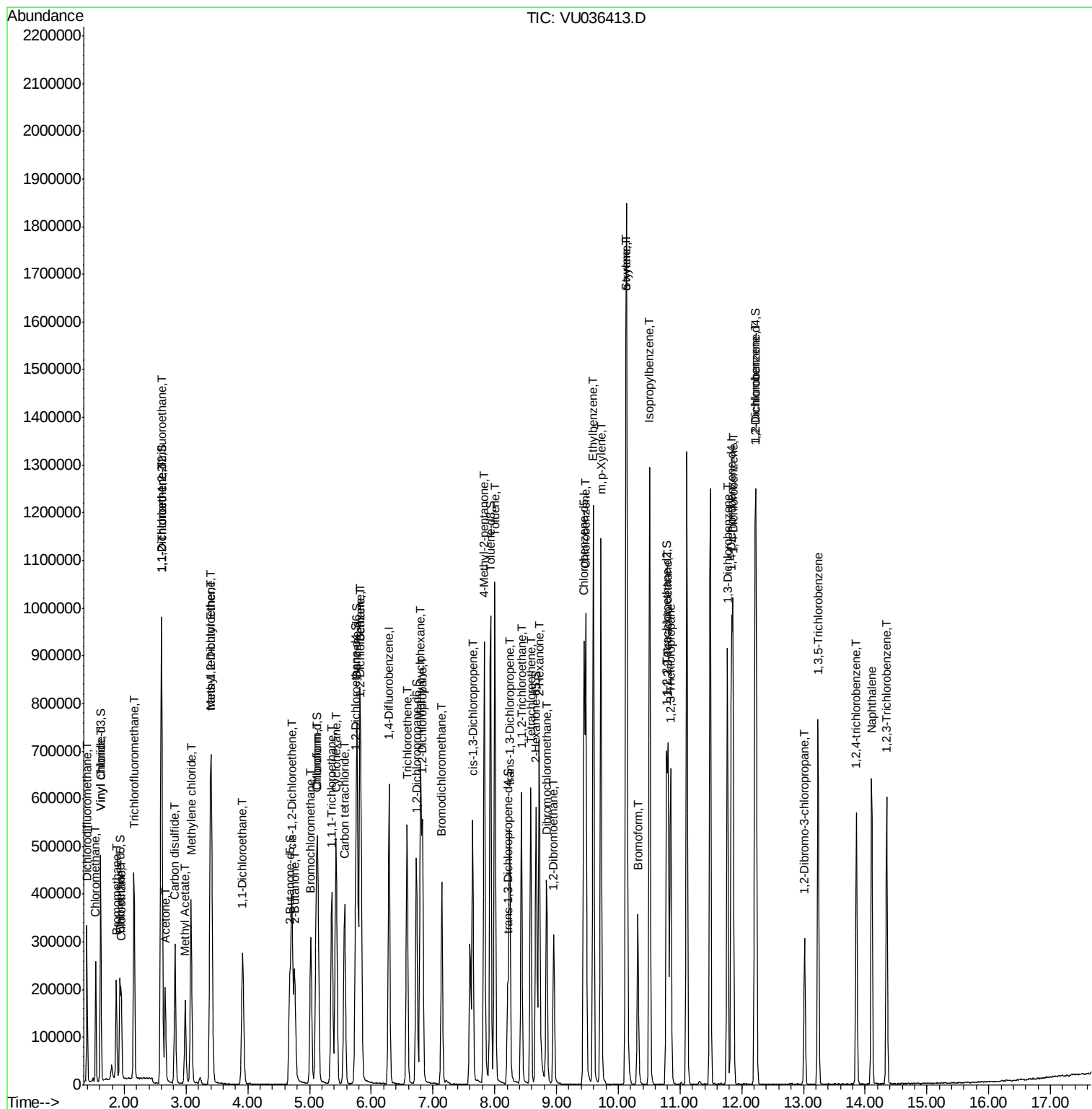
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	89327	49.679	ug/L	97
25) Chloroform	5.13	83	337893	51.090	ug/L	96
27) 1,2-Dichloroethane	5.84	62	267502	52.323	ug/L	98
29) Cyclohexane	5.43	56	266649	47.637	ug/L	97
30) 1,1,1-Trichloroethane	5.36	97	289659	48.920	ug/L	98
31) Carbon tetrachloride	5.57	117	249400	48.591	ug/L	100
33) Benzene	5.82	78	693868	48.893	ug/L	100
34) Trichloroethene	6.58	95	184991	50.563	ug/L	98
35) Methylcyclohexane	6.80	83	268056	45.902	ug/L	99
37) 1,2-Dichloropropane	6.83	63	193362	50.317	ug/L	99
38) Bromodichloromethane	7.14	83	267622	49.365	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	304412	47.318	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	630338	96.527	ug/L	100
42) Toluene	8.00	91	755783	48.364	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	289160	48.248	ug/L	95
45) 1,1,2-Trichloroethane	8.43	97	188667	52.624	ug/L	97
46) Tetrachloroethene	8.58	164	121608	46.196	ug/L	97
48) 2-Hexanone	8.72	43	479641	95.458	ug/L	98
49) Dibromochloromethane	8.84	129	207665	47.190	ug/L	98
50) 1,2-Dibromoethane	8.95	107	205272	49.369	ug/L	99
51) Chlorobenzene	9.47	112	485824	49.255	ug/L	97
52) Ethylbenzene	9.60	91	865800	48.679	ug/L	99
53) m,p-Xylene	9.72	106	317568	48.133	ug/L	97
54) o-xylene	10.13	106	321595	48.579	ug/L	100
55) Styrene	10.14	104	542971	48.509	ug/L	100
56) Isopropylbenzene	10.51	105	850498	49.292	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	326318	48.152	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	272581	50.555	ug/L	98
61) Bromoform	10.32	173	150641	45.828	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	342879	47.968	ug/L	97
63) 1,4-Dichlorobenzene	11.86	146	343916	48.502	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	349985	48.867	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	78813	47.159	ug/L	90
67) 1,3,5-Trichlorobenzene	13.24	180	208724	43.972	ug/L	96
68) 1,2,4-trichlorobenzene	13.86	180	149977	41.691	ug/L	99
69) Naphthalene	14.10	128	494773	40.026	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	156551	41.439	ug/L	96

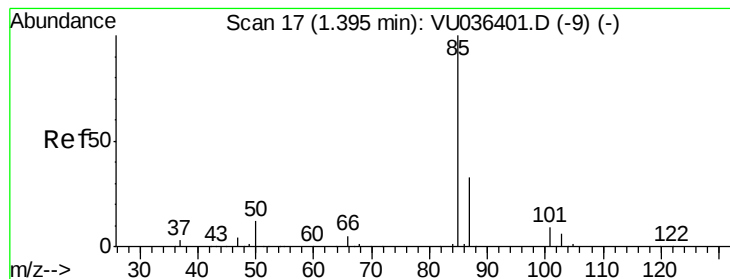
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 45.685 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036413.D

Acq: 08 Jan 2020 18:25

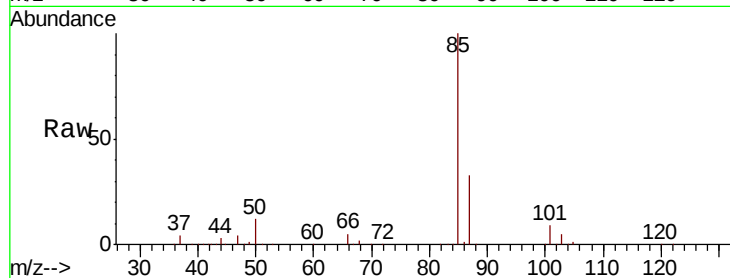
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 180867

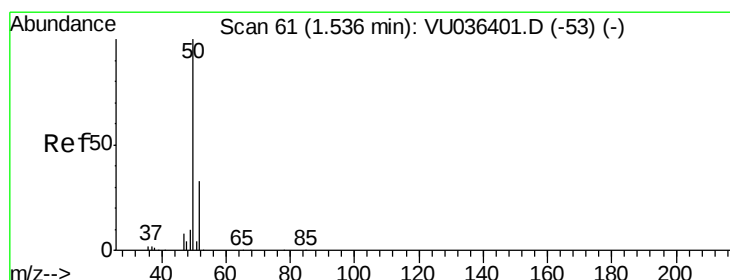
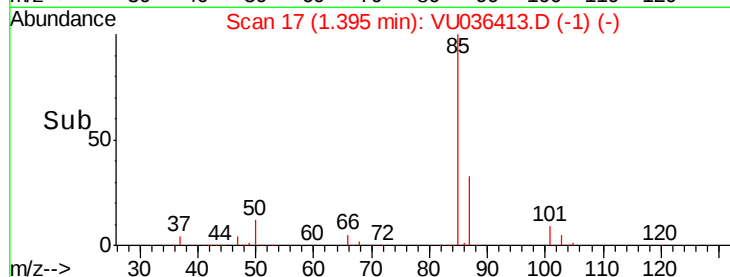
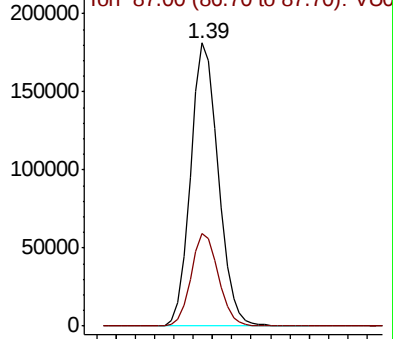
Ion Ratio Lower Upper

85 100

87 32.2 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU036413.D (-9) (-)



#3

Chloromethane

Concen: 46.016 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036413.D

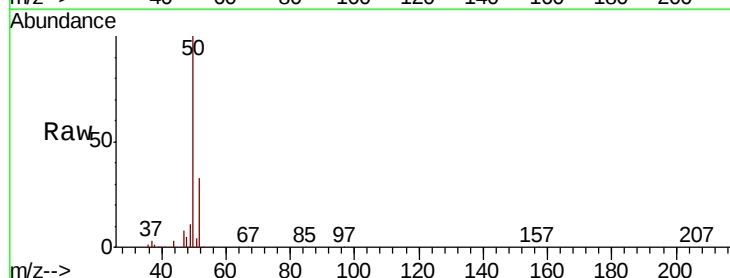
Acq: 08 Jan 2020 18:25

Tgt Ion: 50 Resp: 165760

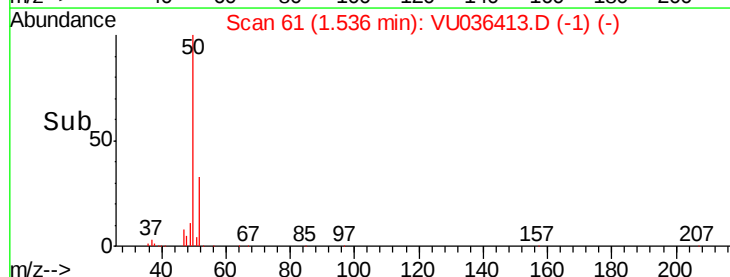
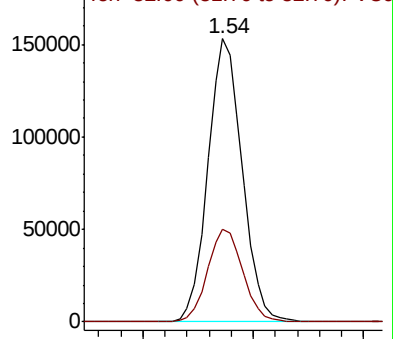
Ion Ratio Lower Upper

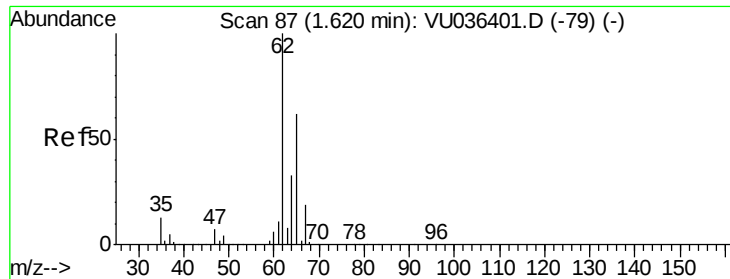
50 100

52 32.8 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU036413.D (-53) (-)





#5

Vinyl chloride

Concen: 41.936 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU036413.D

Acq: 08 Jan 2020 18:25

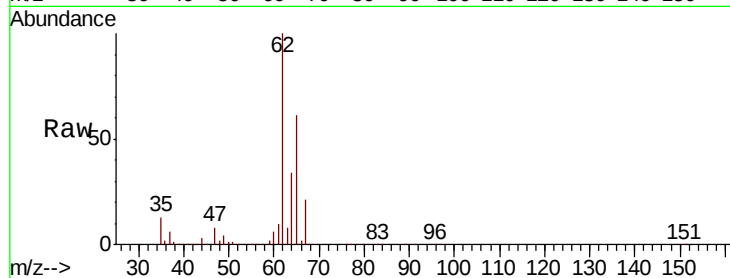
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 175332

Ion Ratio Lower Upper

62 100

64 33.7 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU036413.D (-79) (-)

Ion 64.00 (63.70 to 64.70): VU036413.D (-79) (-)

1.62

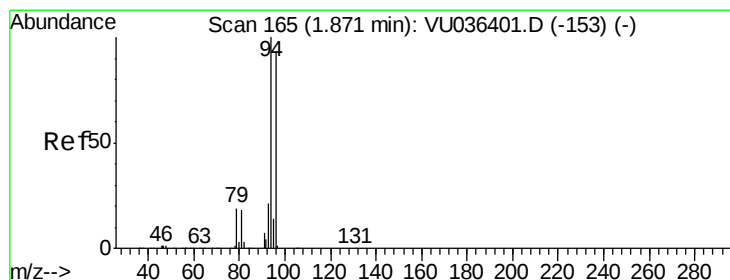
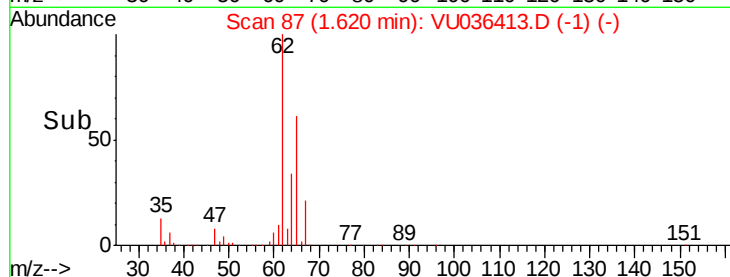
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 48.785 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU036413.D

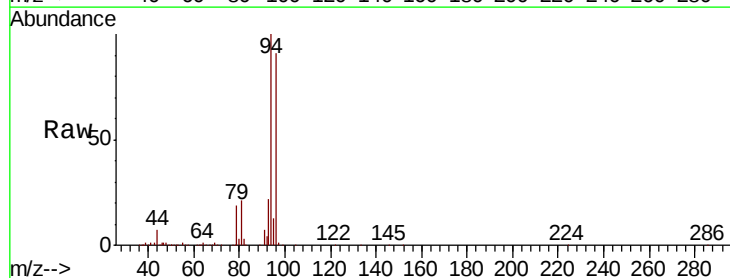
Acq: 08 Jan 2020 18:25

Tgt Ion: 94 Resp: 98571

Ion Ratio Lower Upper

94 100

96 91.3 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VU036413.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU036413.D (-153) (-)

1.87

80000

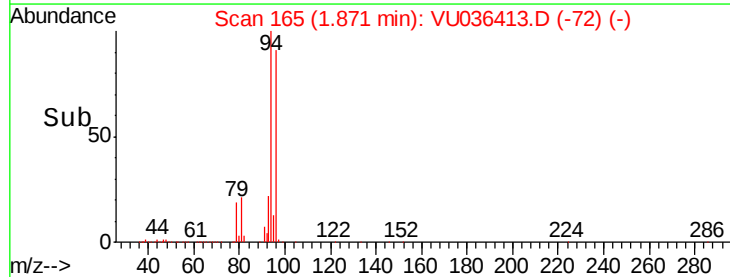
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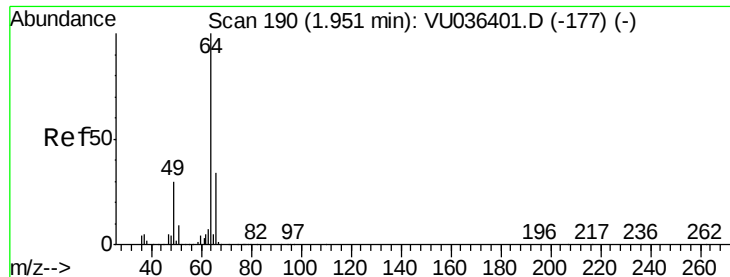
40000

20000

0

Time-->





#8

Chloroethane

Concen: 43.637 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036413.D

Acq: 08 Jan 2020 18:25

Instrument :

MSVOA_U

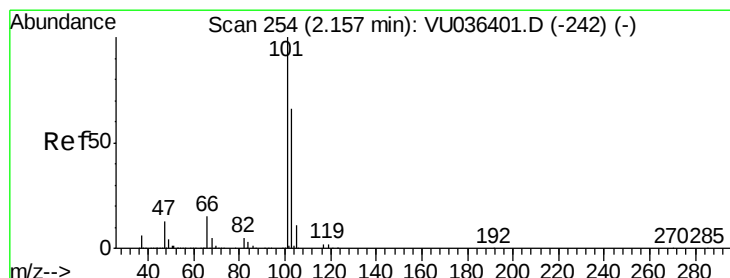
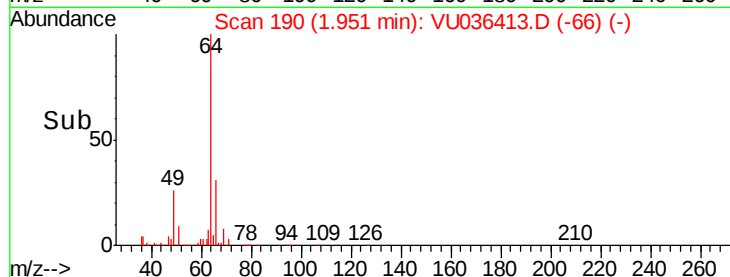
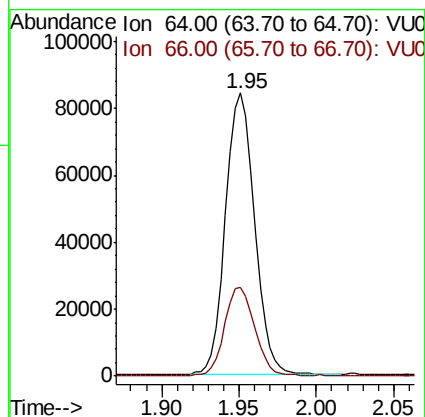
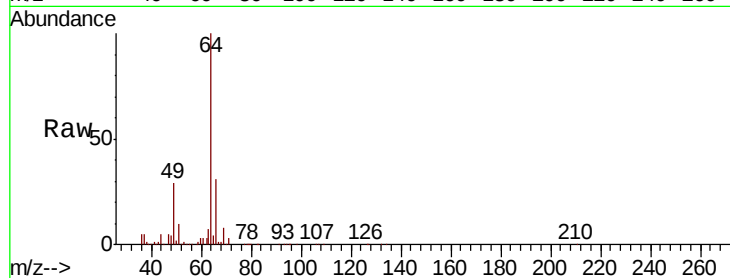
ClientSampleId :

Tot Ion: 64 Resp: 109771

Ion Ratio Lower Upper

64 100

66 31.4 22.3 41.3



#9

Trichlorofluoromethane

Concen: 44.798 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU036413.D

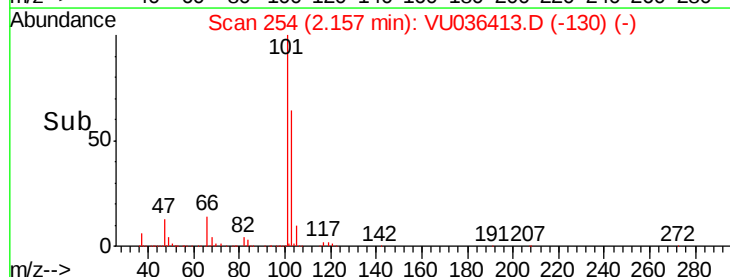
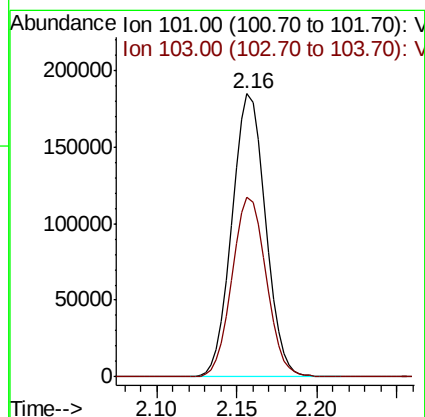
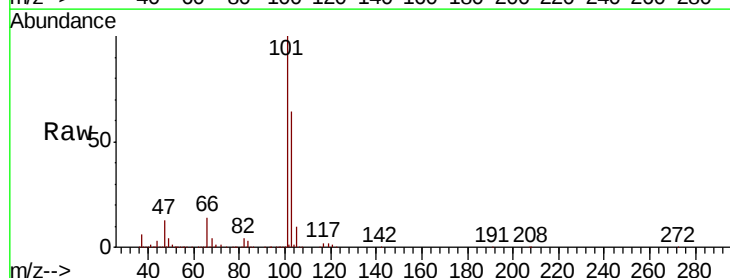
Acq: 08 Jan 2020 18:25

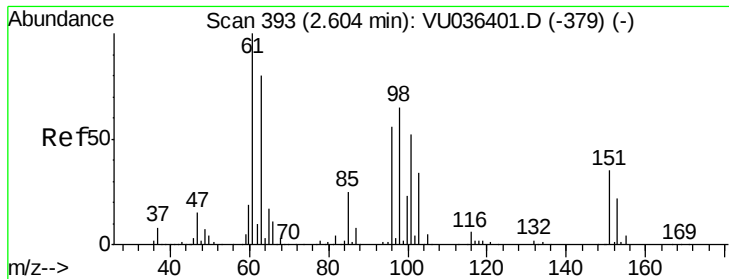
Tgt Ion: 101 Resp: 263322

Ion Ratio Lower Upper

101 100

103 64.8 51.6 77.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 49.166 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036413.D

Acq: 08 Jan 2020 18:25

Instrument :

MSVOA_U

ClientSampled :

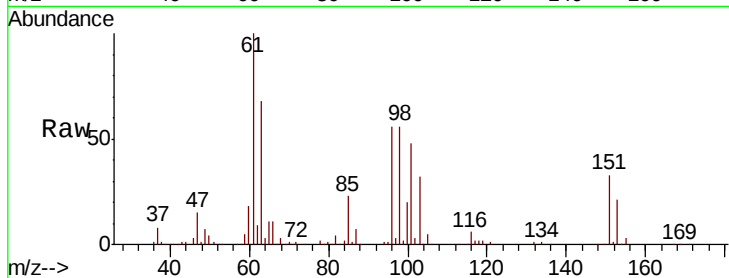
Tot Ion:101 Resp: 143063

Ion Ratio Lower Upper

101 100

85 47.6 37.1 55.7

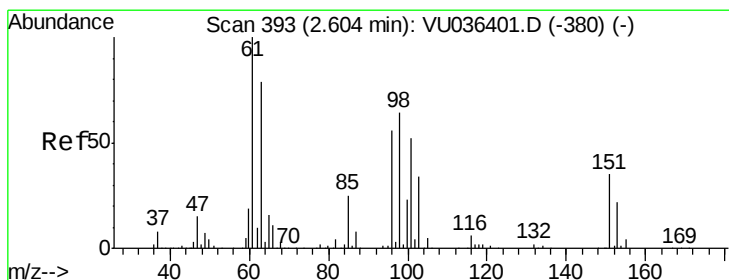
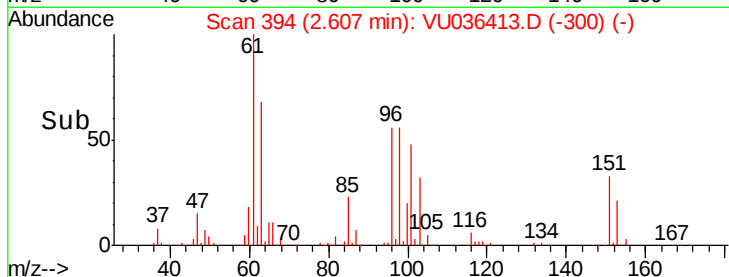
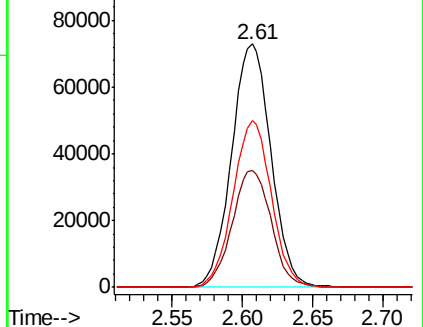
151 66.5 54.3 81.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 48.640 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036413.D

Acq: 08 Jan 2020 18:25

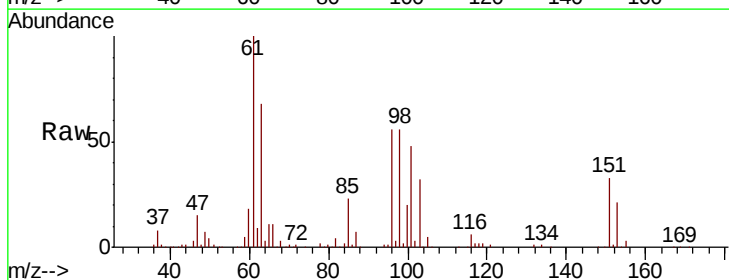
Tgt Ion: 96 Resp: 139517

Ion Ratio Lower Upper

96 100

61 177.8 120.9 224.5

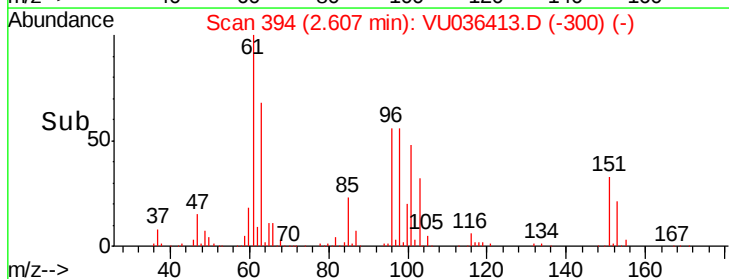
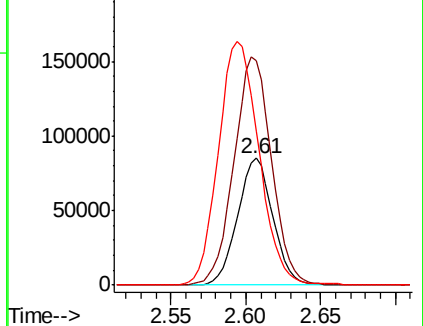
63 121.7 81.8 152.0

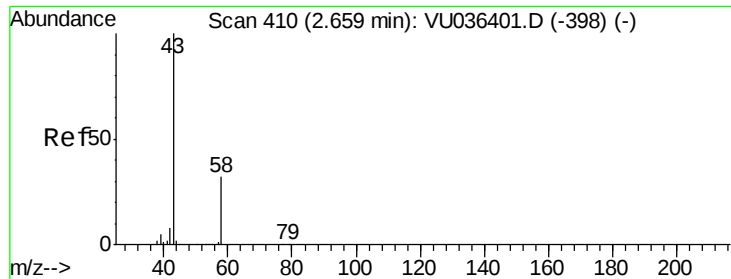


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 72.692 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU036413.D

Acq: 08 Jan 2020 18:25

Instrument :

MSVOA_U

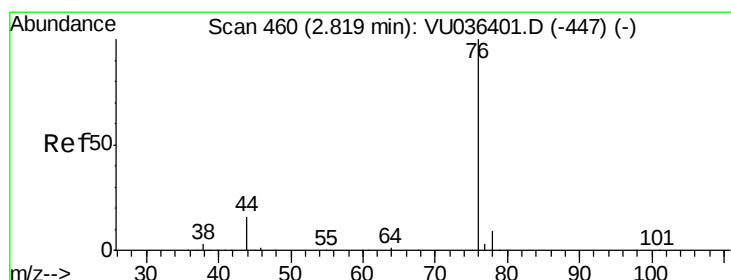
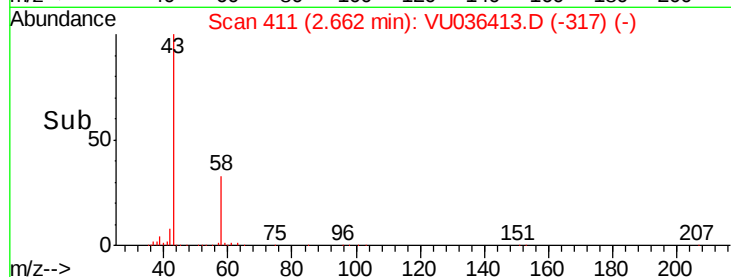
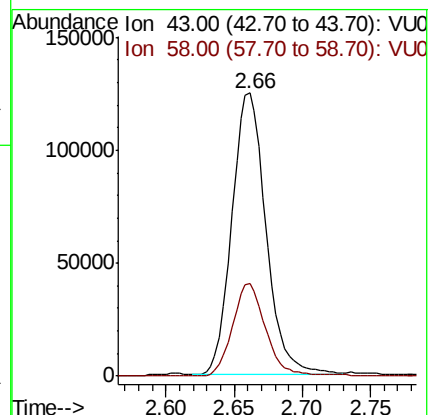
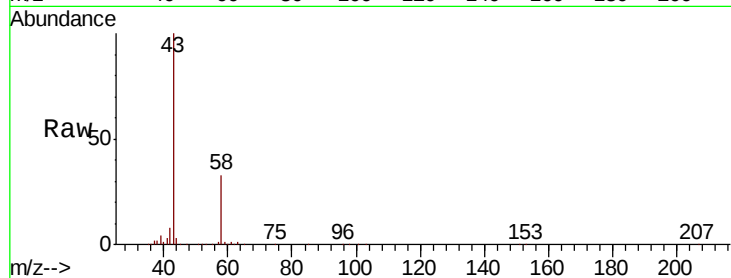
ClientSampleId :

Tot Ion: 43 Resp: 216860

Ion Ratio Lower Upper

43 100

58 31.9 0.0 66.2



#14

Carbon disulfide

Concen: 42.334 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036413.D

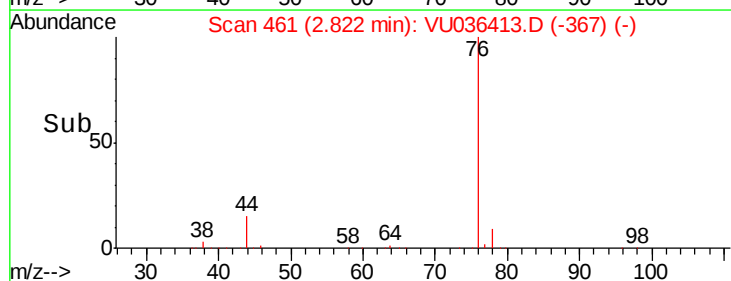
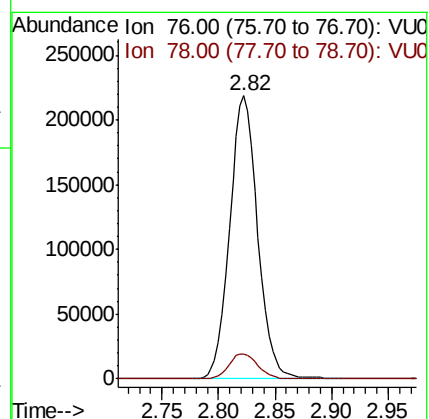
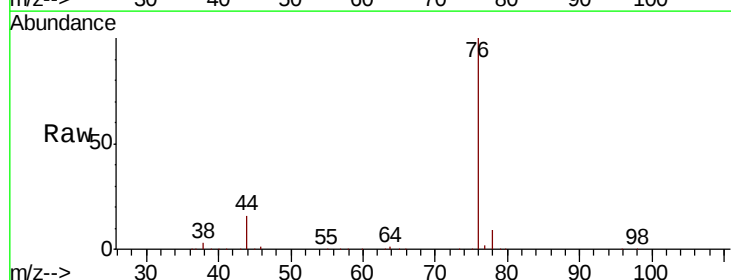
Acq: 08 Jan 2020 18:25

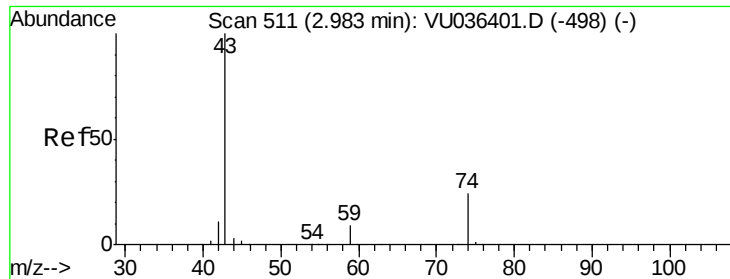
Tgt Ion: 76 Resp: 375769

Ion Ratio Lower Upper

76 100

78 8.8 7.6 11.4





#15

Methvl Acetate

Concen: 53.361 ug/L

RT: 2.99 min Scan# 512

Delta R.T. 0.00 min

Lab File: VU036413.D

Acq: 08 Jan 2020 18:25

Instrument :

MSVOA_U

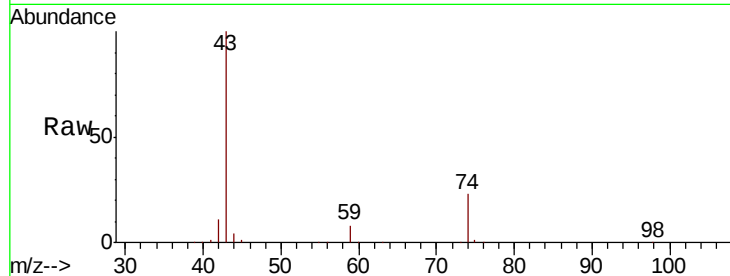
ClientSampled :

Tot Ion: 43 Resp: 214064

Ion Ratio Lower Upper

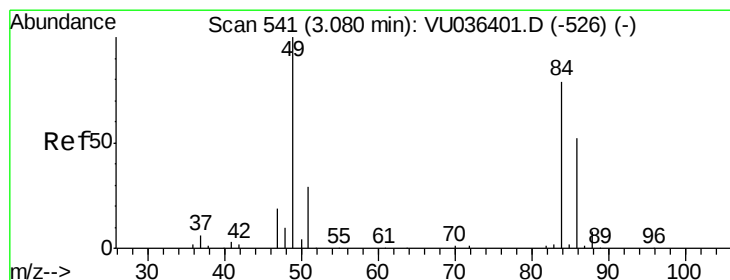
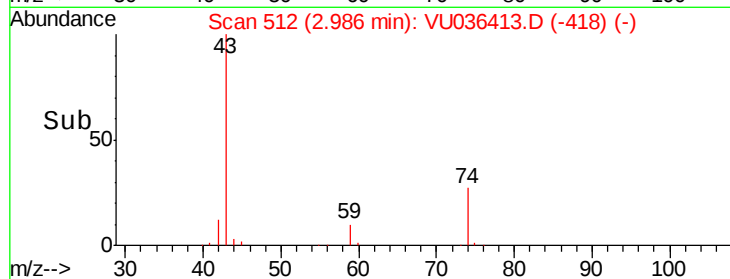
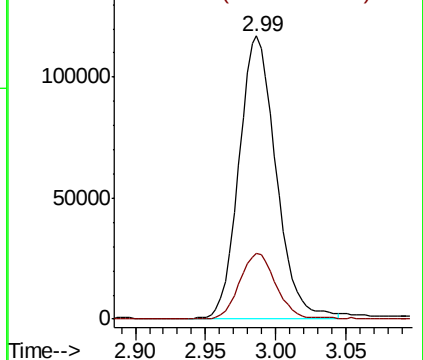
43 100

74 22.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VU036413.D (-418) (-)

Ion 74.00 (73.70 to 74.70): VU036413.D (-418) (-)



#16

Methylene chloride

Concen: 50.859 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU036413.D

Acq: 08 Jan 2020 18:25

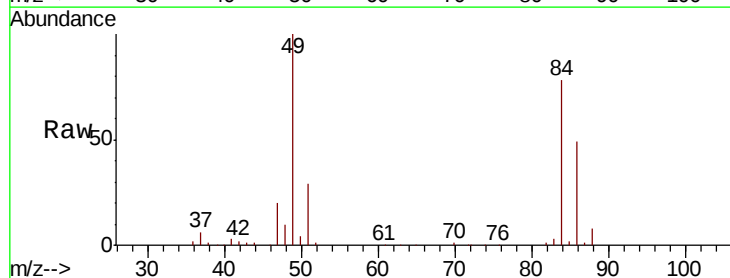
Tgt Ion: 84 Resp: 178576

Ion Ratio Lower Upper

84 100

86 62.9 44.6 82.8

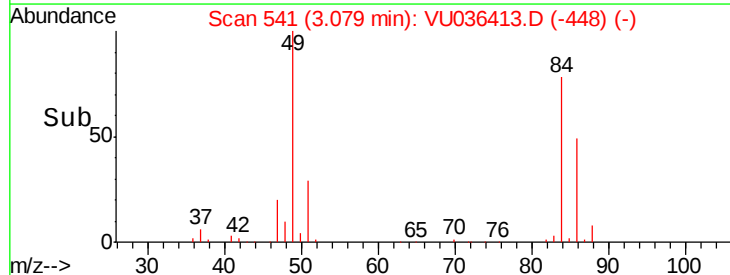
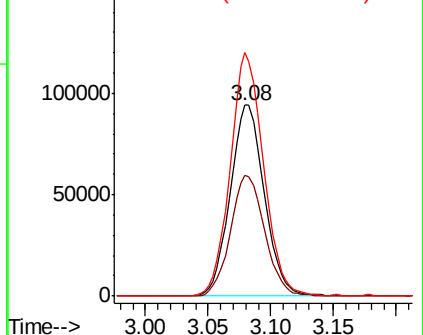
49 127.4 87.6 162.6

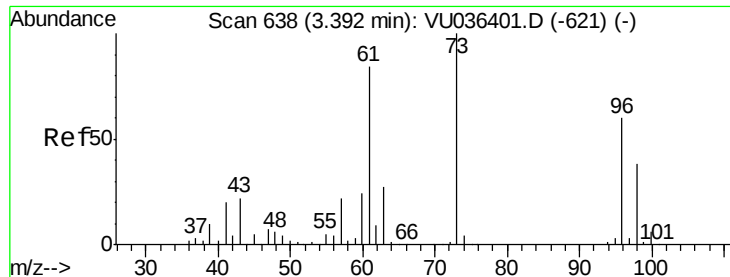


Abundance Ion 84.00 (83.70 to 84.70): VU036413.D (-448) (-)

Ion 86.00 (85.70 to 86.70): VU036413.D (-448) (-)

Ion 49.00 (48.70 to 49.70): VU036413.D (-448) (-)





#17

trans-1,2-Dichloroethene

Concen: 48.321 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.00 min

Lab File: VU036413.D

Acq: 08 Jan 2020 18:25

Instrument :

MSVOA_U

ClientSampleId :

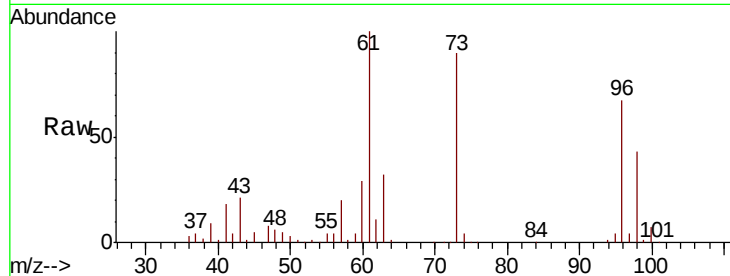
Tot Ion: 96 Resp: 149635

Ion Ratio Lower Upper

96 100

61 149.4 96.2 178.8

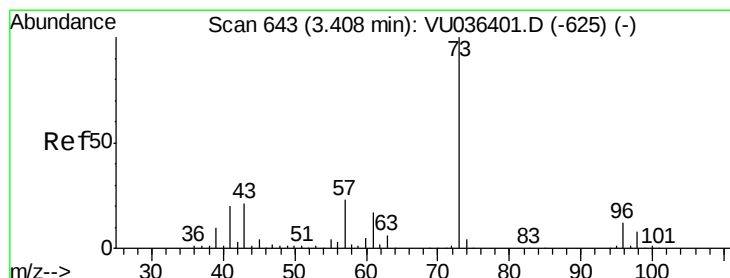
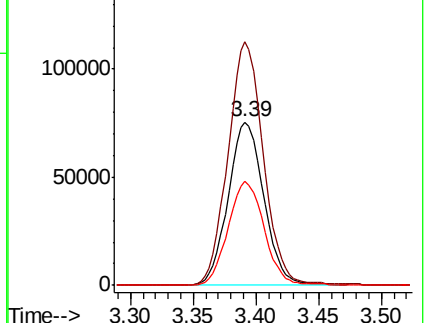
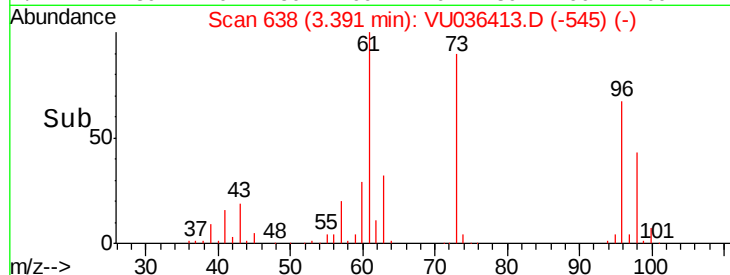
98 63.5 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VU036413.D (-545) (-)

Ion 61.00 (60.70 to 61.70): VU036413.D (-545) (-)

Ion 98.00 (97.70 to 98.70): VU036413.D (-545) (-)



#18

Methyl tert-butyl Ether

Concen: 51.992 ug/L

RT: 3.41 min Scan# 644

Delta R.T. 0.00 min

Lab File: VU036413.D

Acq: 08 Jan 2020 18:25

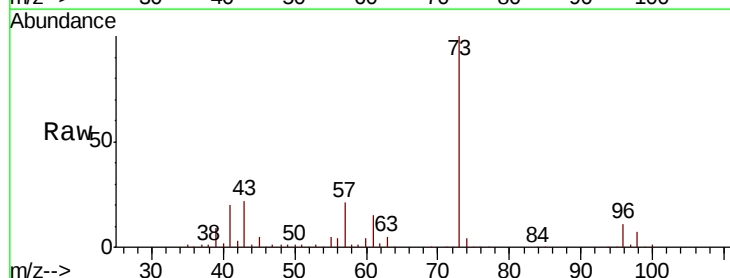
Tgt Ion: 73 Resp: 584871

Ion Ratio Lower Upper

73 100

43 21.1 16.3 24.5

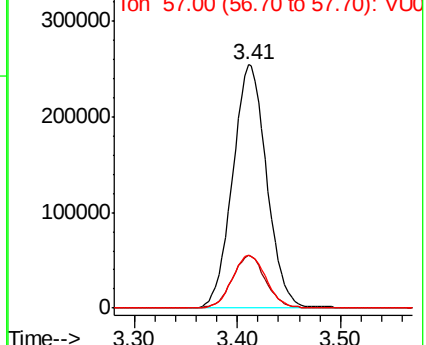
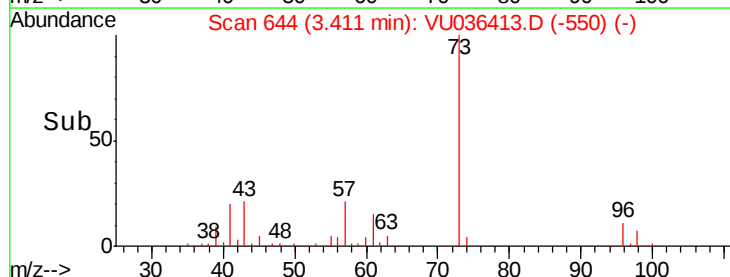
57 21.8 17.7 26.5

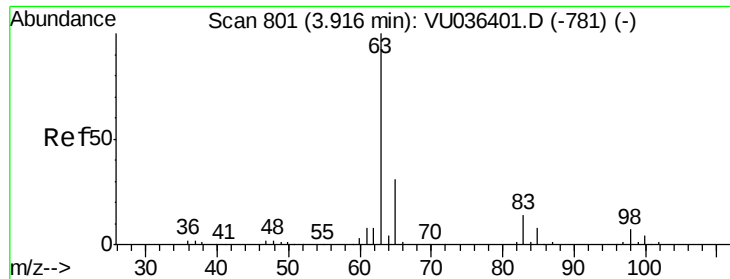


Abundance Ion 73.00 (72.70 to 73.70): VU036413.D (-550) (-)

Ion 43.00 (42.70 to 43.70): VU036413.D (-550) (-)

Ion 57.00 (56.70 to 57.70): VU036413.D (-550) (-)



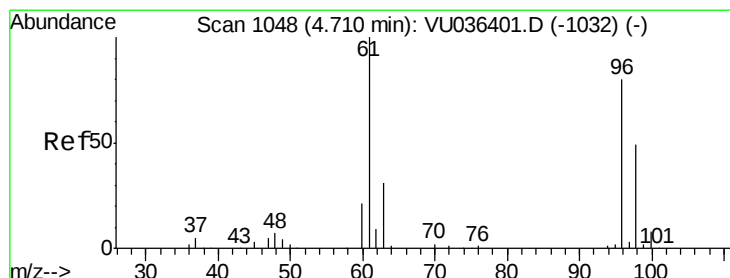
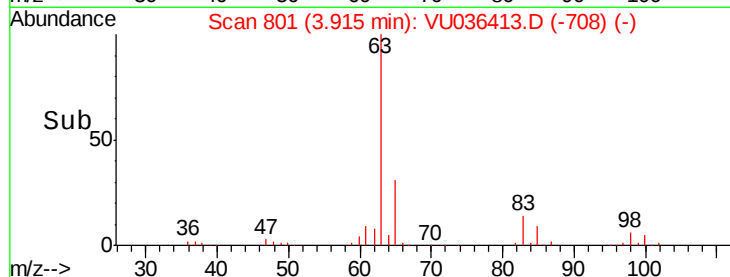
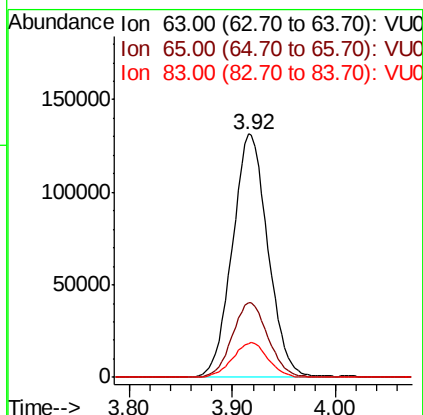
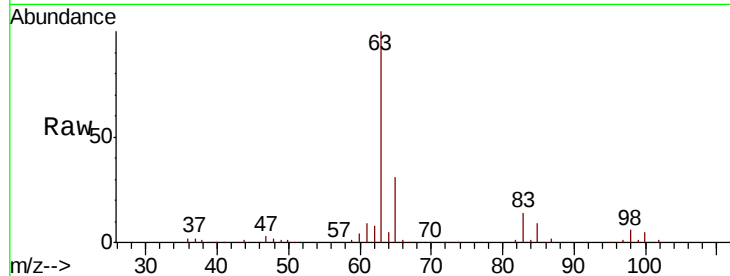


#19
 1,1-Dichloroethane
 Concen: 50.827 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VU036413.D
 Acq: 08 Jan 2020 18:25

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 315490

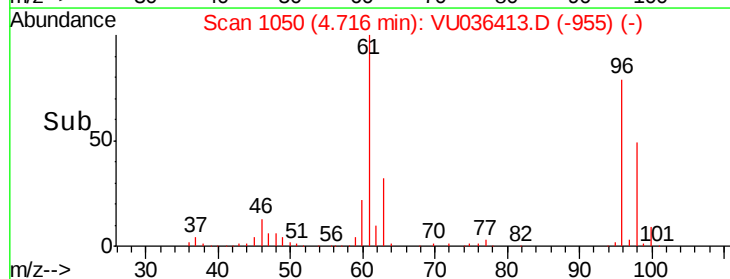
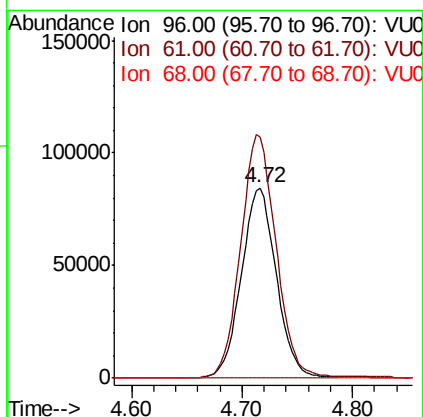
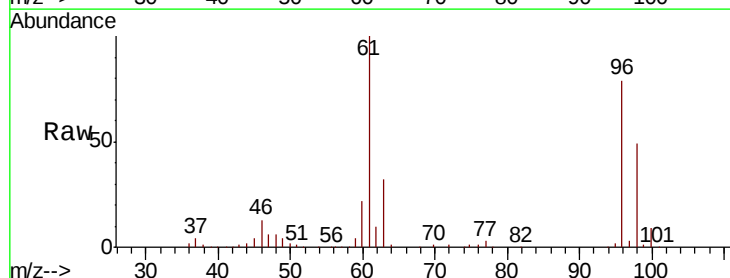
Ion	Ratio	Lower	Upper
63	100		
65	30.7	20.0	37.2
83	13.9	9.6	17.8

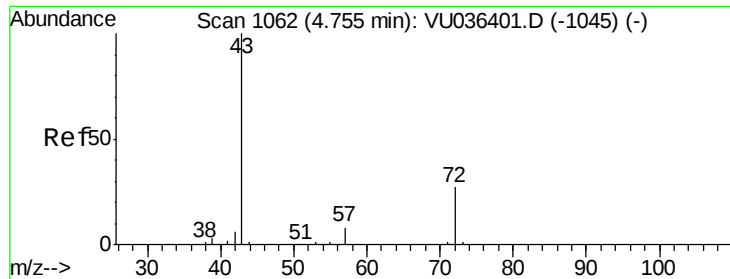


#20
 cis-1,2-Dichloroethene
 Concen: 49.710 ug/L
 RT: 4.72 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: VU036413.D
 Acq: 08 Jan 2020 18:25

Tgt Ion: 96 Resp: 186196

Ion	Ratio	Lower	Upper
96	100		
61	126.8	85.1	158.1
68	0.1	0.1	0.3





#22

2-Butanone

Concen: 92.656 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VU036413.D

Acq: 08 Jan 2020 18:25

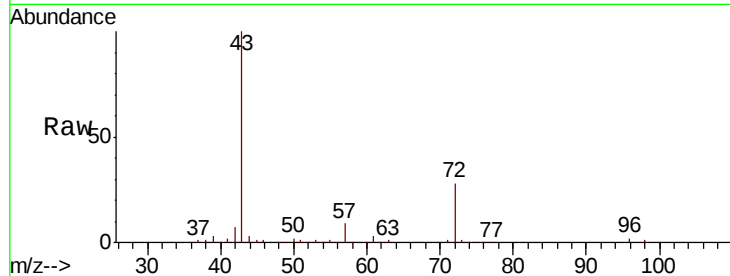
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 326544

Ion Ratio Lower Upper

43 100

72 27.3 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU036413.D (-1063) (-)

Ion 72.00 (71.70 to 72.70): VU036413.D (-1063) (-)

150000

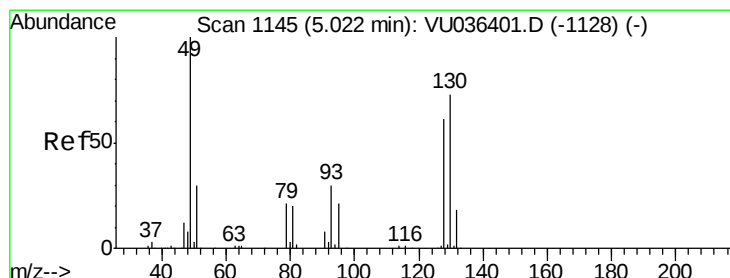
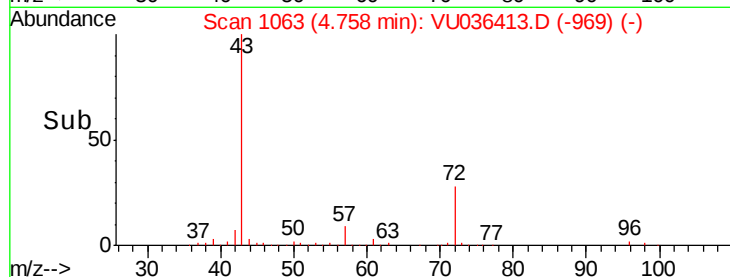
100000

50000

0

4.70 4.76 4.80 4.90

Time-->



#23

Bromochloromethane

Concen: 49.679 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VU036413.D

Acq: 08 Jan 2020 18:25

Tgt Ion:128 Resp: 89327

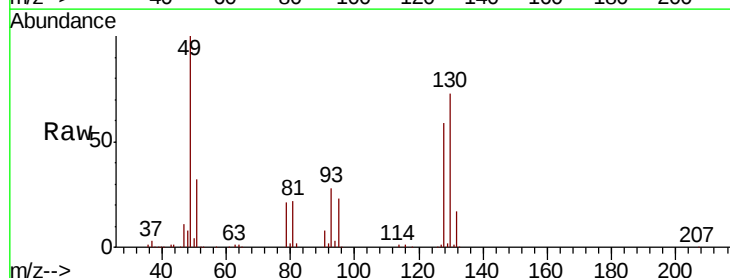
Ion Ratio Lower Upper

128 100

49 168.5 115.0 213.6

130 123.5 89.1 165.5

51 53.3 42.2 63.4



Abundance Ion 128.00 (127.70 to 128.70): VU036413.D (-1145) (-)

Ion 49.00 (48.70 to 49.70): VU036413.D (-1145) (-)

Ion 130.00 (129.70 to 130.70): VU036413.D (-1145) (-)

Ion 51.00 (50.70 to 51.70): VU036413.D (-1145) (-)

100000

80000

60000

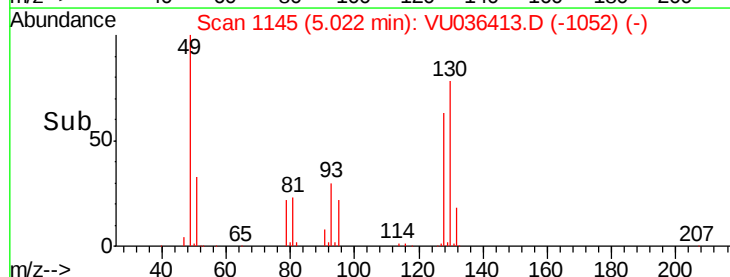
40000

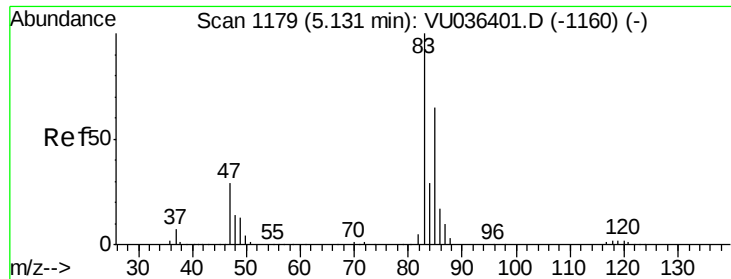
20000

0

4.95 5.00 5.02 5.05 5.10

Time-->

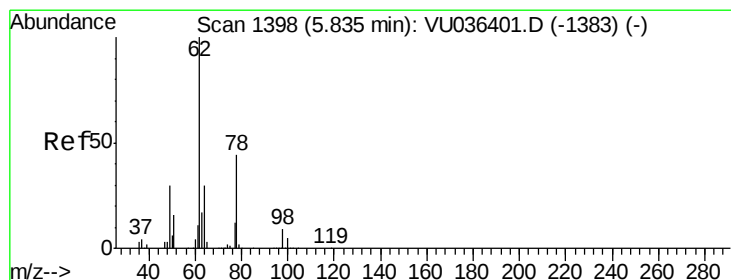
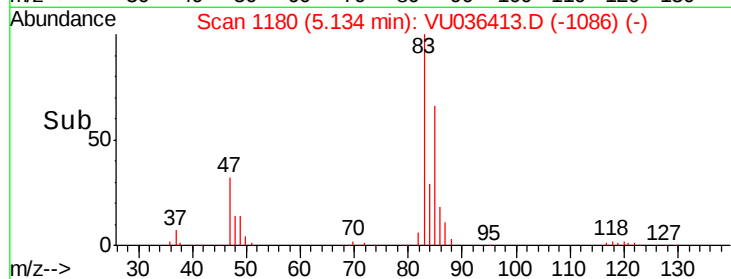
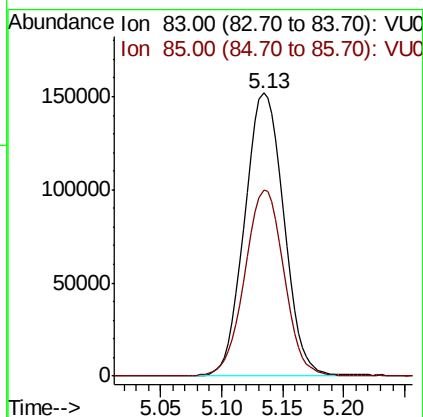
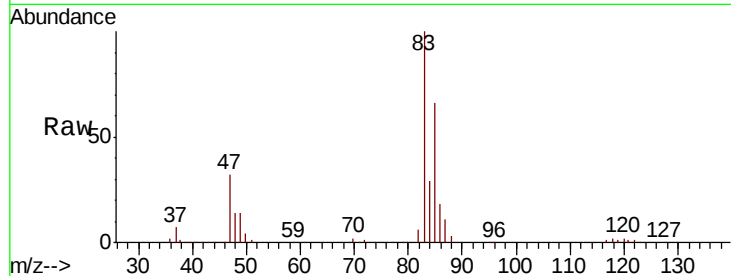




#25
Chloroform
Concen: 51.090 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036413.D
Acq: 08 Jan 2020 18:25

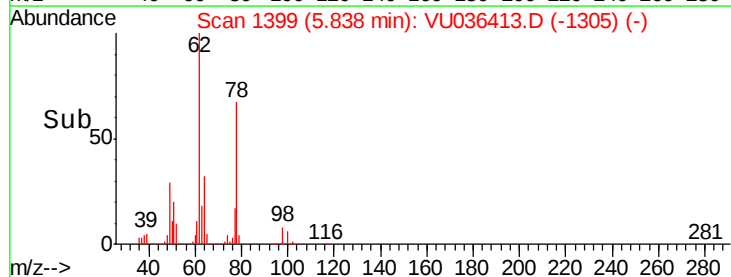
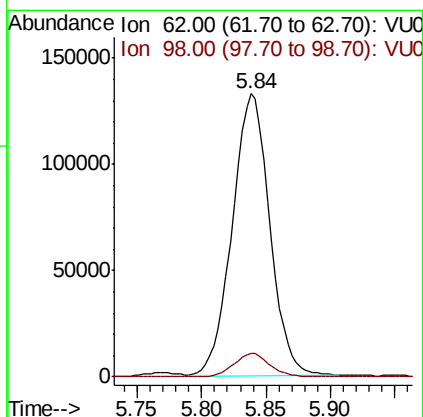
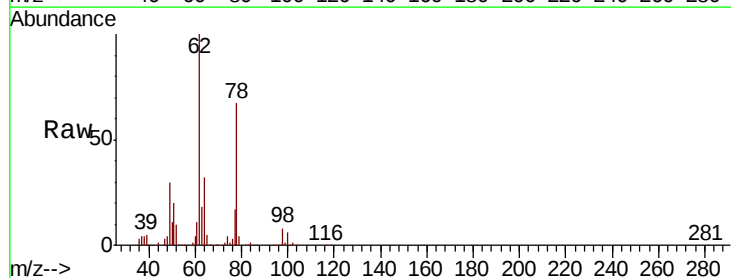
Instrument :
MSVOA_U
ClientSampleId :

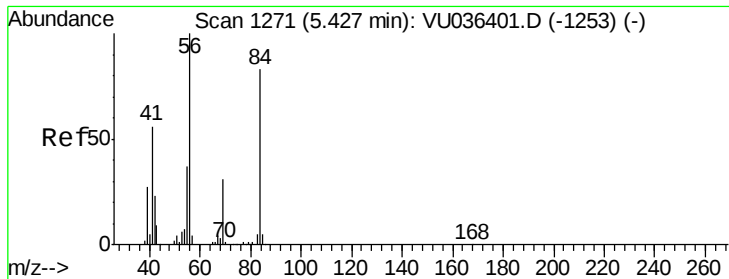
Tot Ion: 83 Resp: 337893
Ion Ratio Lower Upper
83 100
85 65.7 43.9 81.5



#27
1,2-Dichloroethane
Concen: 52.323 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036413.D
Acq: 08 Jan 2020 18:25

Tgt Ion: 62 Resp: 267502
Ion Ratio Lower Upper
62 100
98 8.3 7.3 10.9

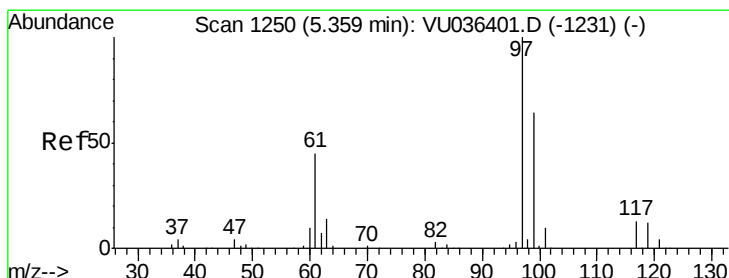
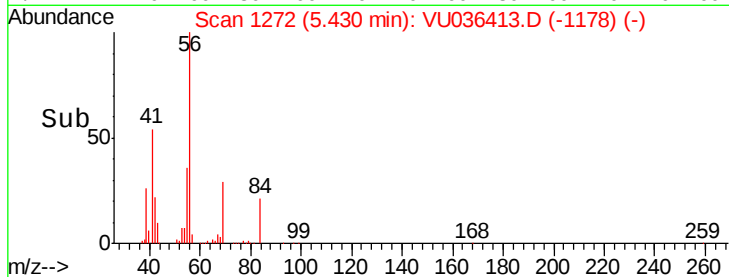
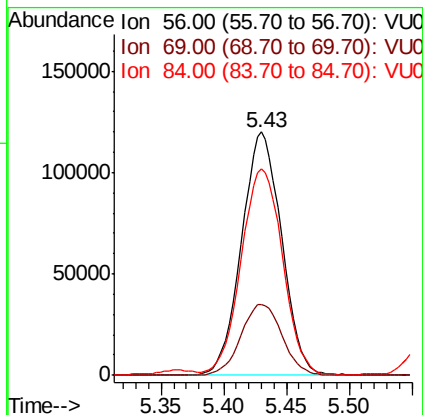
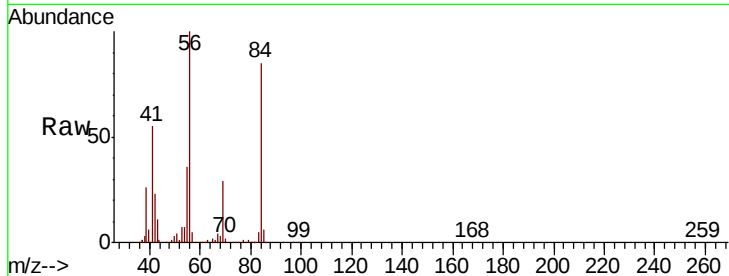




#29
Cyclohexane
Concen: 47.637 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU036413.D
Acq: 08 Jan 2020 18:25

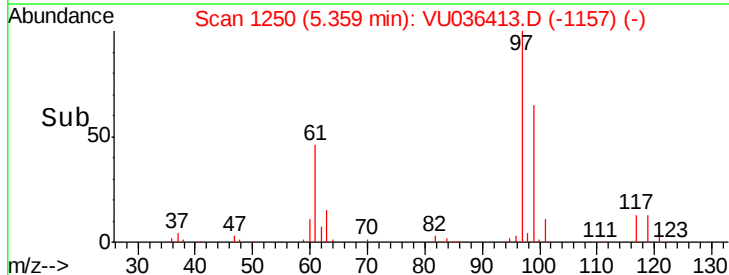
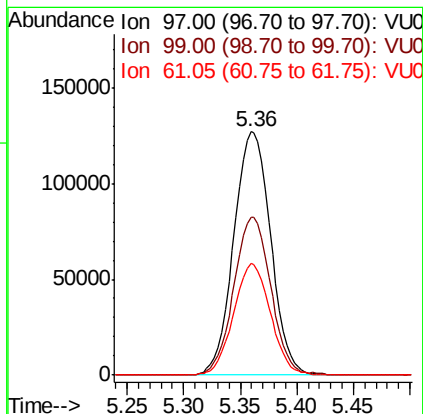
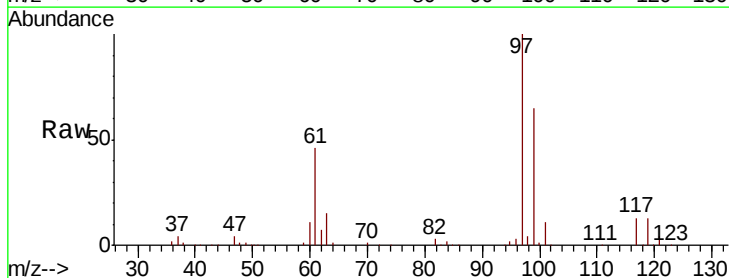
Instrument :
MSVOA_U
ClientSampleId :

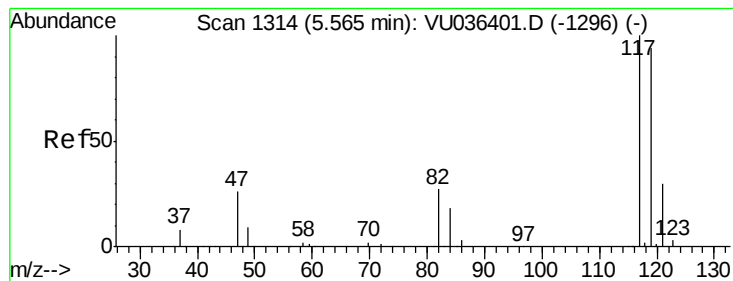
Tot Ion: 56 Resp: 266649
Ion Ratio Lower Upper
56 100
69 30.0 24.8 37.2
84 87.4 67.4 101.2



#30
1,1,1-Trichloroethane
Concen: 48.920 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU036413.D
Acq: 08 Jan 2020 18:25

Tgt Ion: 97 Resp: 289659
Ion Ratio Lower Upper
97 100
99 64.6 51.0 76.4
61 45.5 34.7 52.1





#31

Carbon tetrachloride

Concen: 48.591 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU036413.D

Acq: 08 Jan 2020 18:25

Instrument :

MSVOA_U

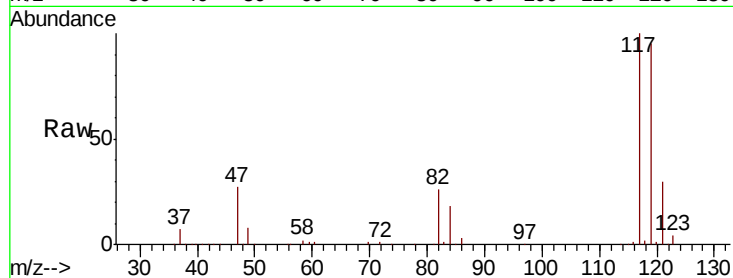
ClientSampled :

Tot Ion:117 Resp: 249400

Ion Ratio Lower Upper

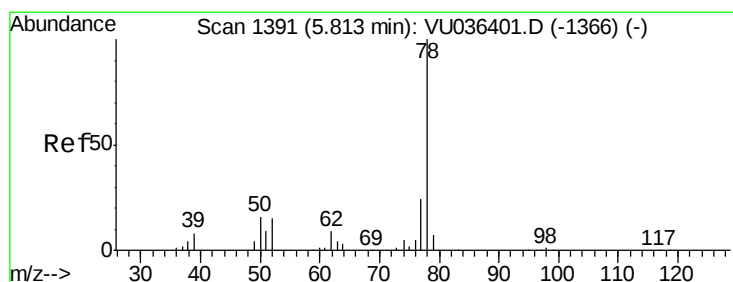
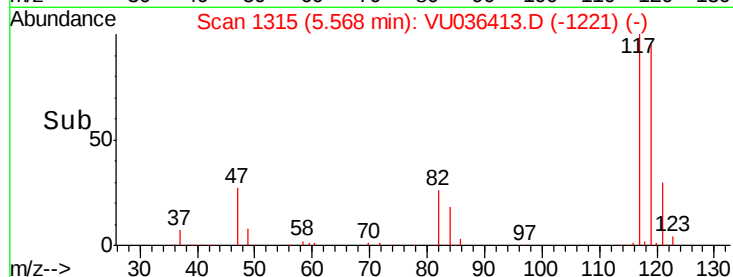
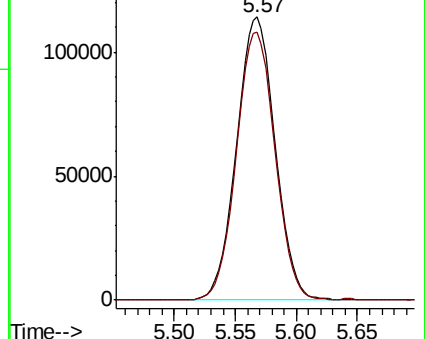
117 100

119 94.7 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.893 ug/L

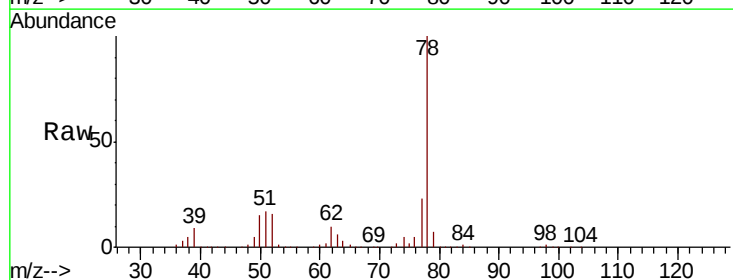
RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

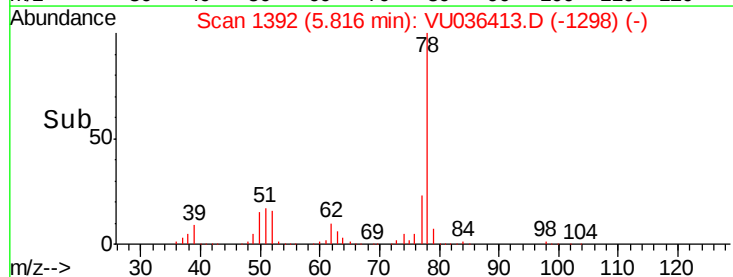
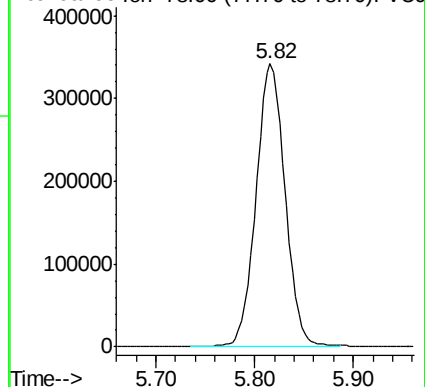
Lab File: VU036413.D

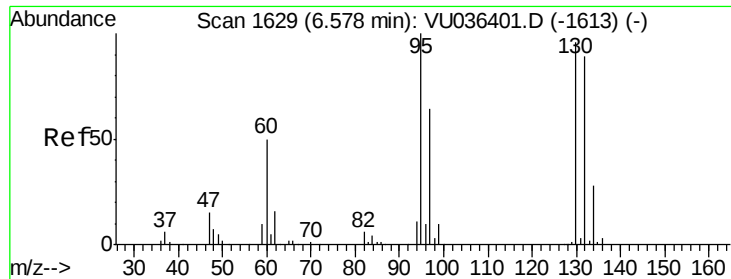
Acq: 08 Jan 2020 18:25

Tgt Ion: 78 Resp: 693868



Abundance Ion 78.00 (77.70 to 78.70): VU0

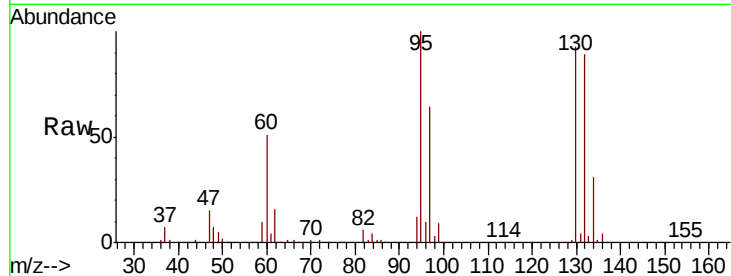




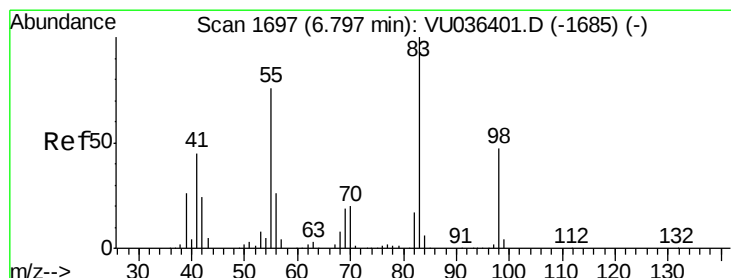
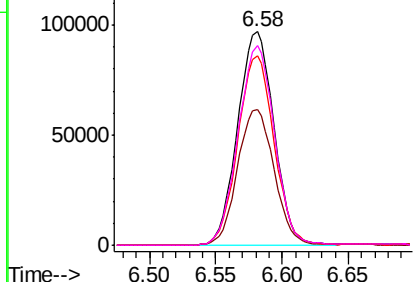
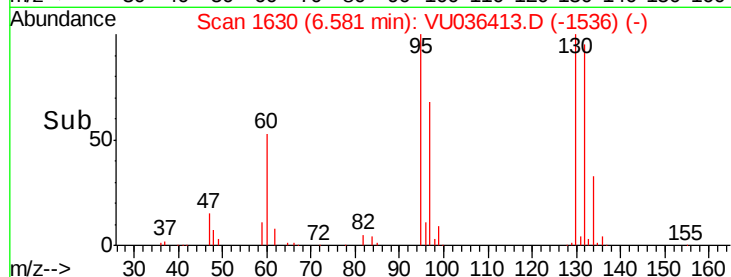
#34
 Trichloroethene
 Concen: 50.563 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VU036413.D
 Acq: 08 Jan 2020 18:25

Instrument :
 MSVOA_U
 ClientSampleID :

Tot Ion:	95	Resp:	184991
Ion	Ratio	Lower	Upper
95	100		
97	63.8	44.5	82.7
132	88.8	64.5	119.9
130	93.4	66.6	123.8

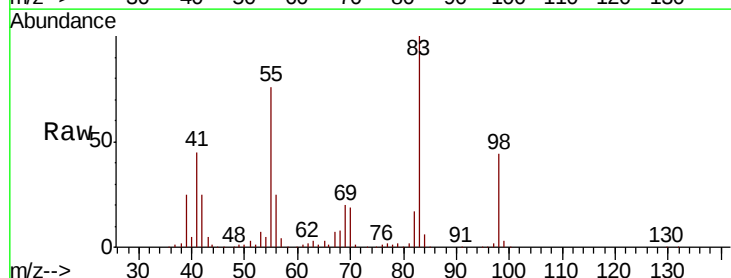


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

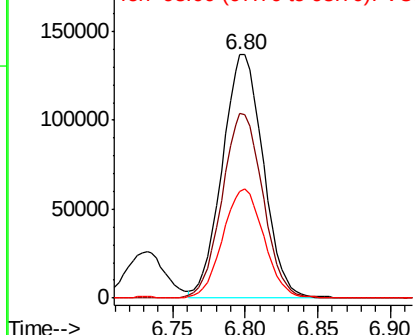
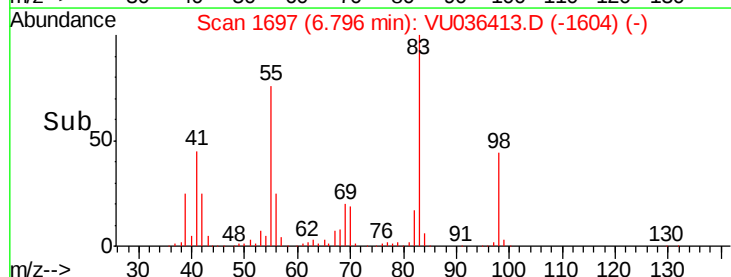


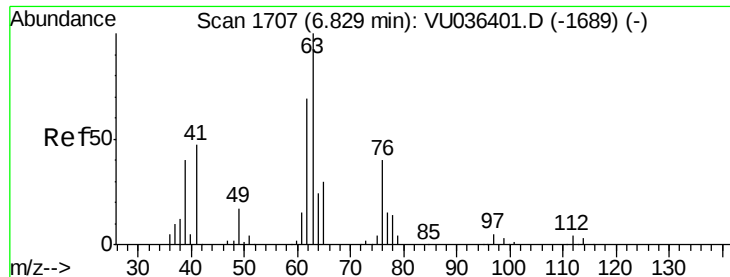
#35
 Methylcyclohexane
 Concen: 45.902 ug/L
 RT: 6.80 min Scan# 1697
 Delta R.T. -0.00 min
 Lab File: VU036413.D
 Acq: 08 Jan 2020 18:25

Tgt Ion:	83	Resp:	268056
Ion	Ratio	Lower	Upper
83	100		
55	75.1	60.0	90.0
98	44.5	36.2	54.4



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

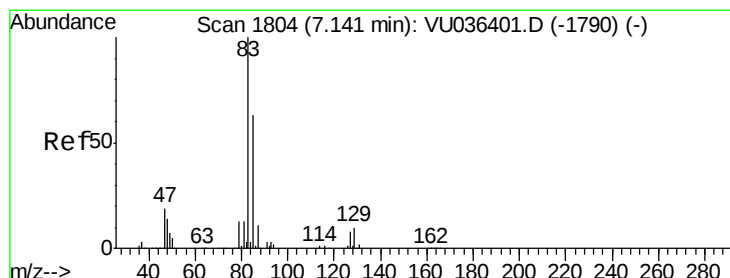
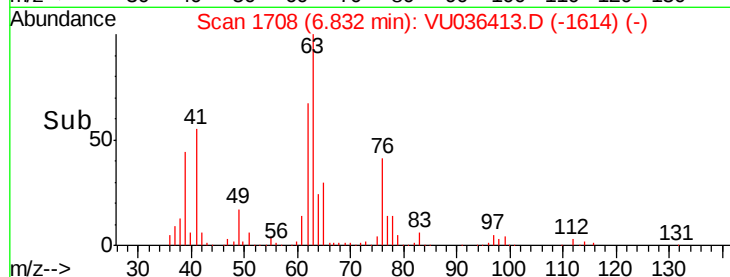
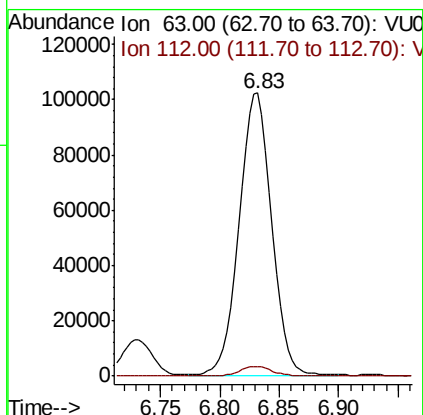
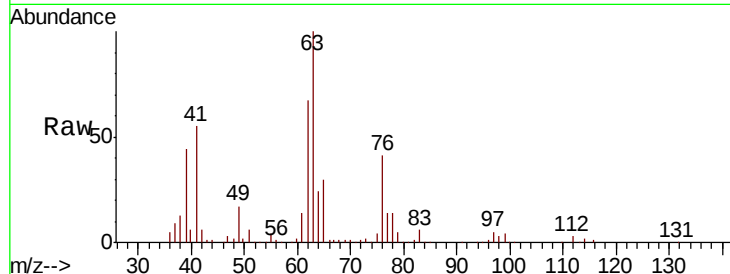




#37
 1,2-Dichloropropane
 Concen: 50.317 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: VU036413.D
 Acq: 08 Jan 2020 18:25

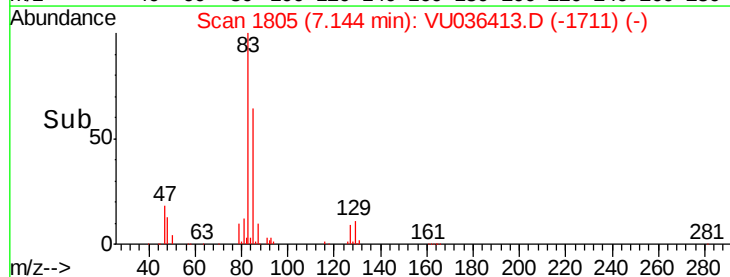
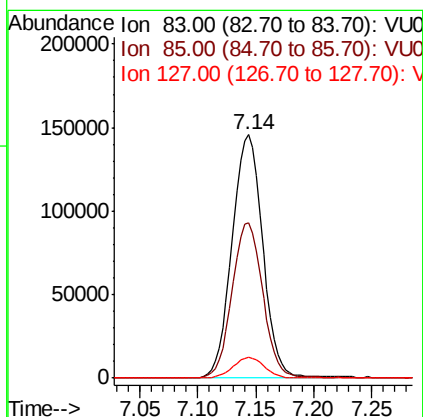
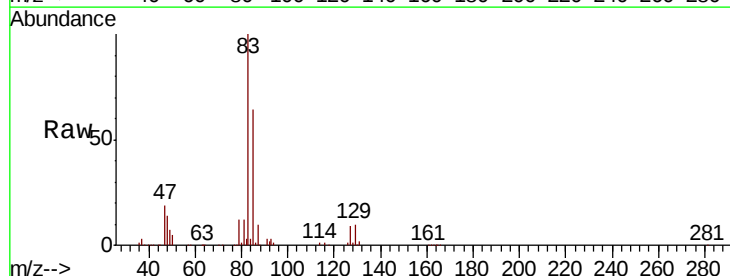
Instrument :
 MSVOA_U
 ClientSampled :

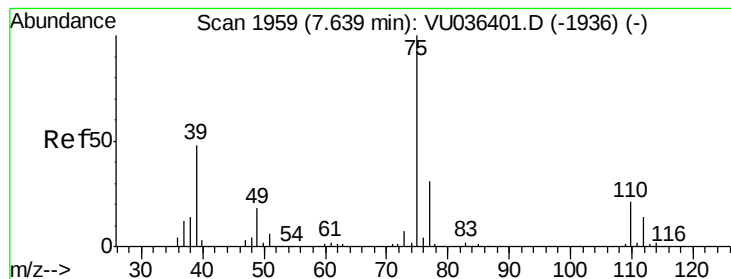
Tot Ion: 63 Resp: 193362
 Ion Ratio Lower Upper
 63 100
 112 3.4 3.0 4.4



#38
 Bromodichloromethane
 Concen: 49.365 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU036413.D
 Acq: 08 Jan 2020 18:25

Tgt Ion: 83 Resp: 267622
 Ion Ratio Lower Upper
 83 100
 85 63.9 45.3 84.1
 127 8.6 6.8 10.2



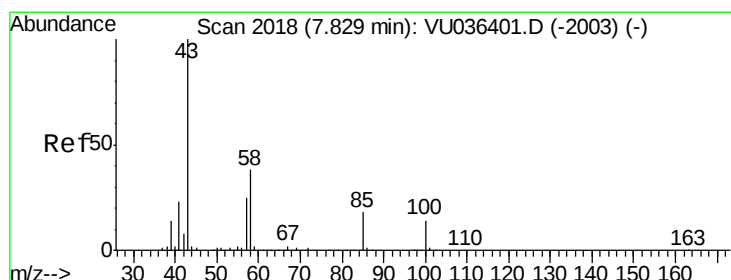
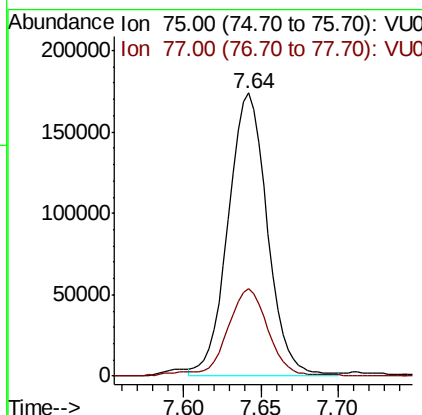
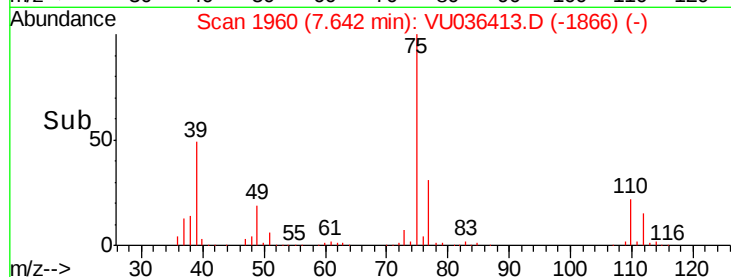
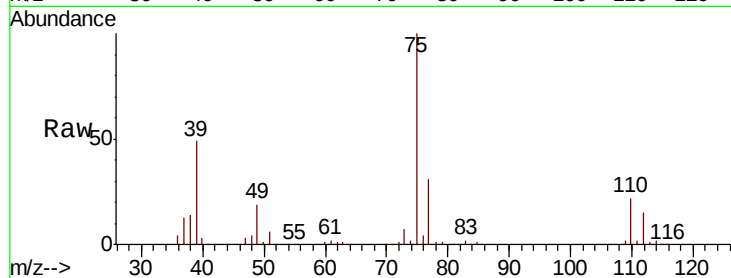


#39

cis-1,3-Dichloropropene
 Concen: 47.318 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036413.D
 Acq: 08 Jan 2020 18:25

Instrument :
 MSVOA_U
 ClientSampleId :

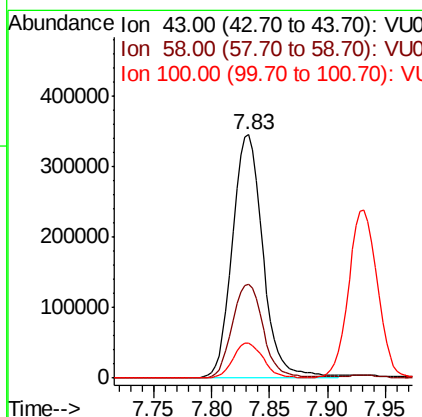
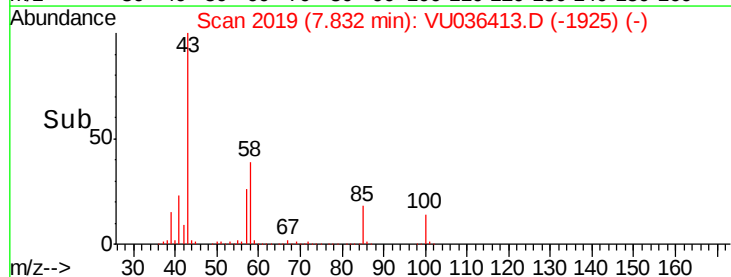
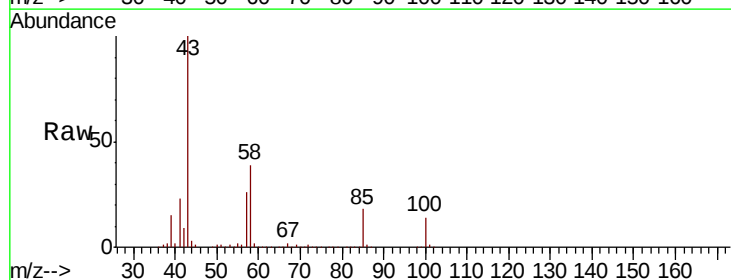
Tot Ion: 75 Resp: 304412
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.2 41.2

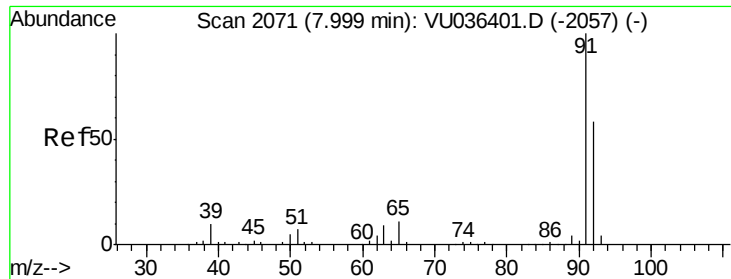


#40

4-Methyl-2-pentanone
 Concen: 96.527 ug/L
 RT: 7.83 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: VU036413.D
 Acq: 08 Jan 2020 18:25

Tgt Ion: 43 Resp: 630338
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.6 47.4
 100 14.4 11.6 17.4





#42

Toluene

Concen: 48.364 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036413.D

Acq: 08 Jan 2020 18:25

Instrument :

MSVOA_U

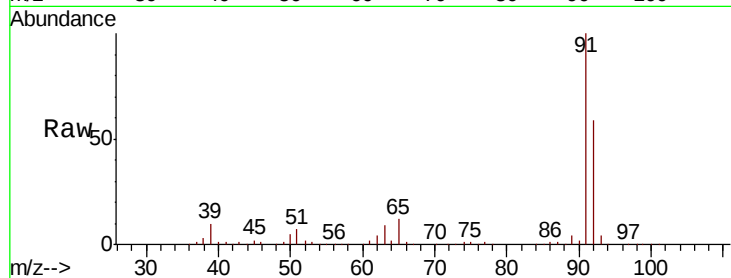
ClientSampled :

Tot Ion: 91 Resp: 755783

Ion Ratio Lower Upper

91 100

92 59.2 39.8 74.0



Abundance Ion 91.00 (90.70 to 91.70): VU036413.D (-2057) (-)

Ion 92.00 (91.70 to 92.70): VU036413.D (-2057) (-)

8.00

400000

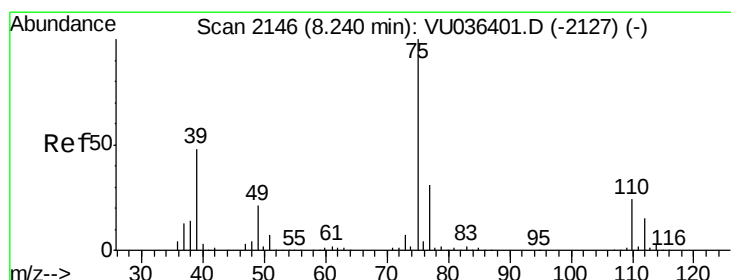
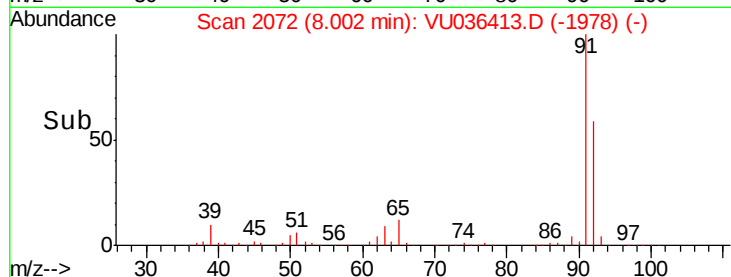
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.248 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036413.D

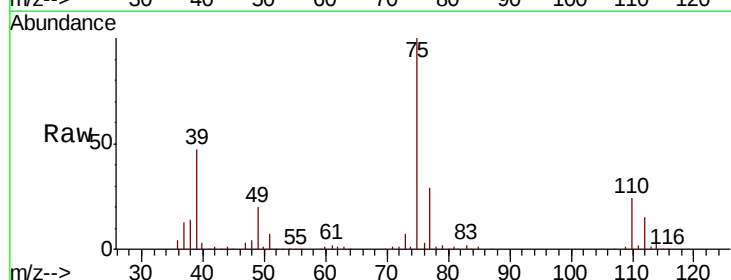
Acq: 08 Jan 2020 18:25

Tgt Ion: 75 Resp: 289160

Ion Ratio Lower Upper

75 100

77 29.4 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VU036413.D (-2053) (-)

Ion 77.00 (76.70 to 77.70): VU036413.D (-2053) (-)

8.24

200000

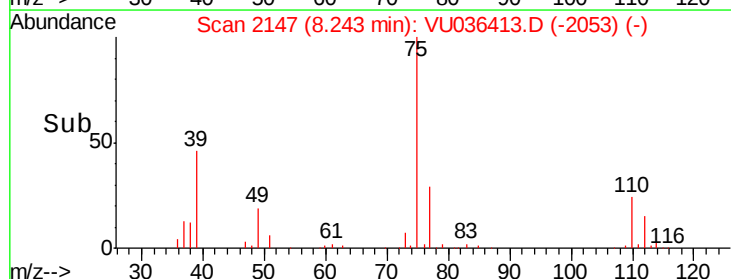
150000

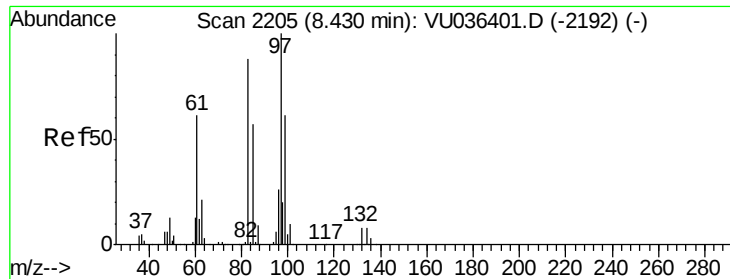
100000

50000

0

Time-->

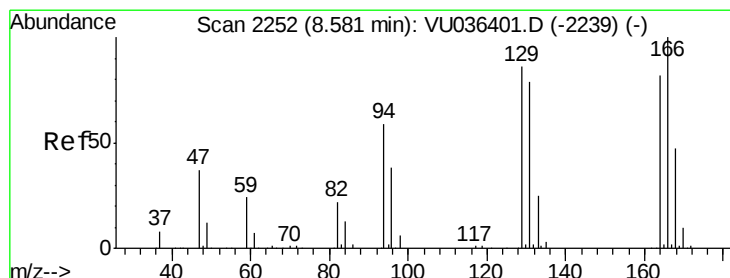
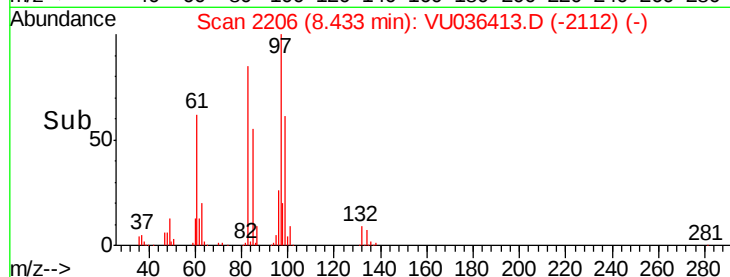
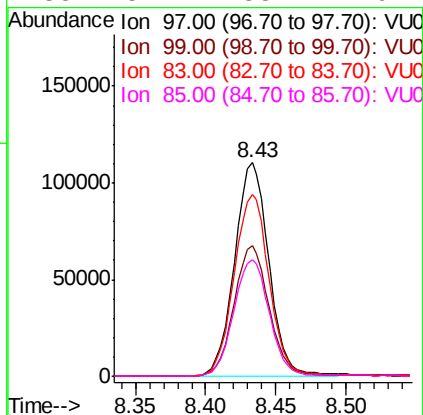
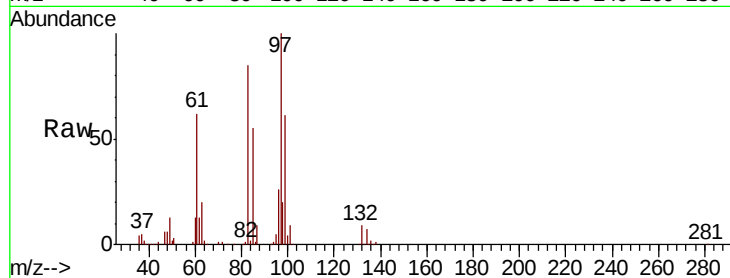




#45
 1,1,2-Trichloroethane
 Concen: 52.624 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: VU036413.D
 Acq: 08 Jan 2020 18:25

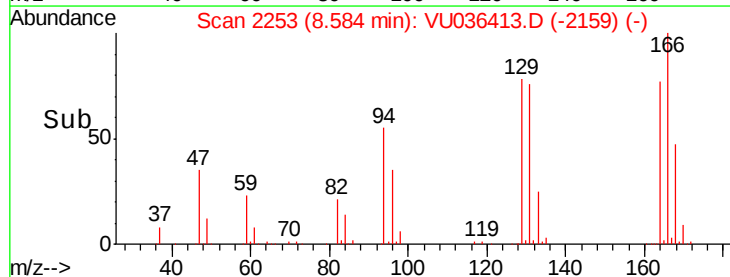
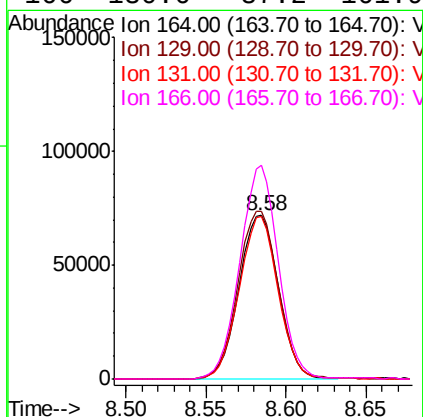
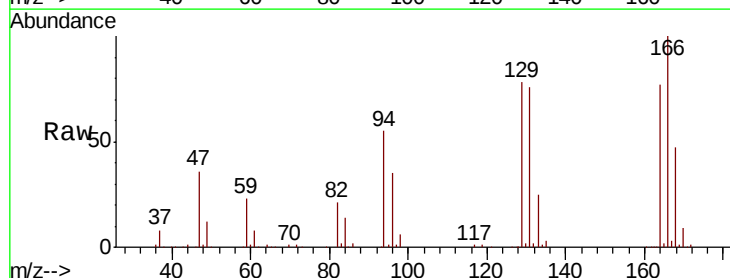
Instrument :
 MSVOA_U
 ClientSampleId :

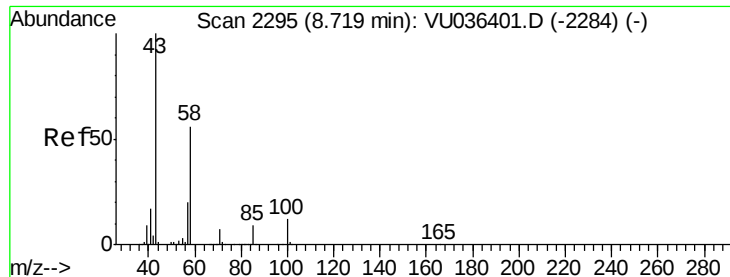
Tot Ion:	97	Resp:	188667
Ion	Ratio	Lower	Upper
97	100		
99	61.2	44.2	82.2
83	85.3	62.5	116.1
85	54.7	38.1	70.7



#46
 Tetrachloroethene
 Concen: 46.196 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU036413.D
 Acq: 08 Jan 2020 18:25

Tgt Ion:	164	Resp:	121608
Ion	Ratio	Lower	Upper
164	100		
129	102.3	70.0	130.0
131	99.6	70.1	130.1
166	130.6	87.2	161.9

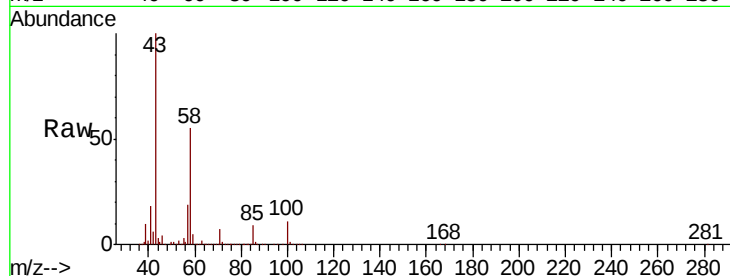




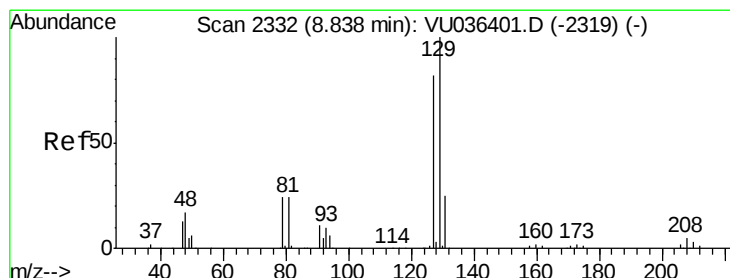
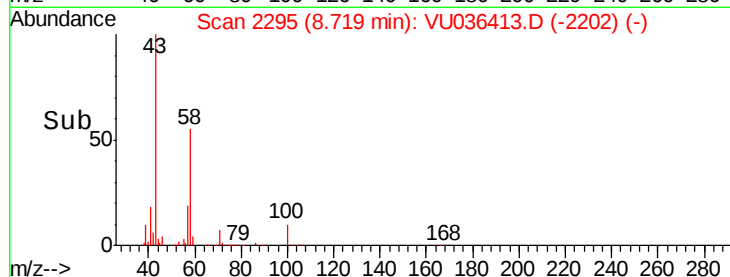
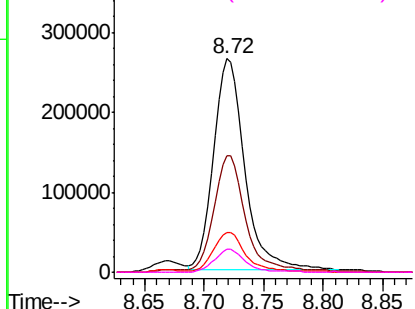
#48
2-Hexanone
Concen: 95.458 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU036413.D
Acq: 08 Jan 2020 18:25

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 479641
Ion Ratio Lower Upper
43 100
58 55.0 42.2 63.4
57 18.7 14.8 22.2
100 11.1 8.8 13.2

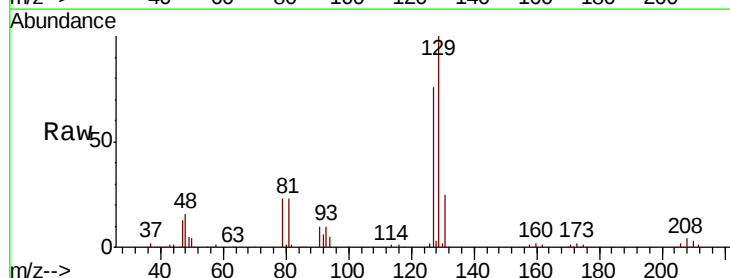


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

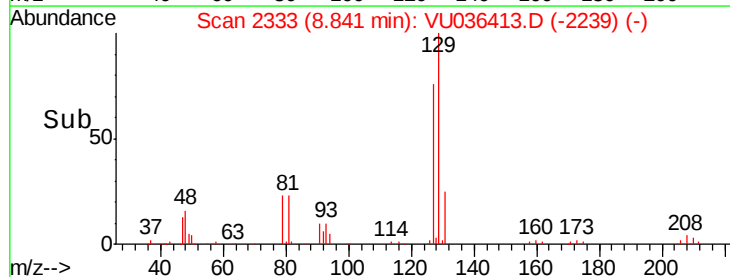
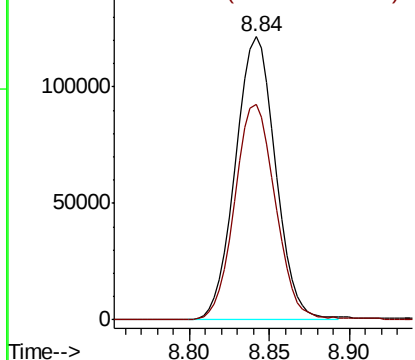


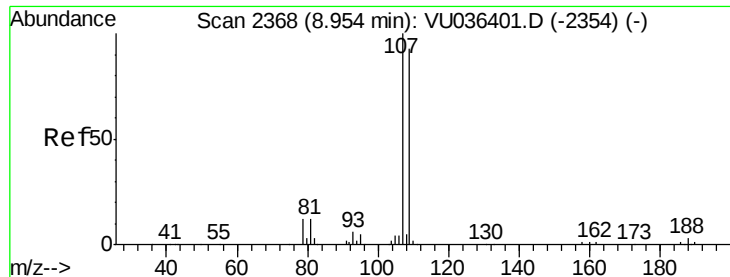
#49
Dibromochloromethane
Concen: 47.190 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036413.D
Acq: 08 Jan 2020 18:25

Tgt Ion: 129 Resp: 207665
Ion Ratio Lower Upper
129 100
127 76.3 54.8 101.8



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

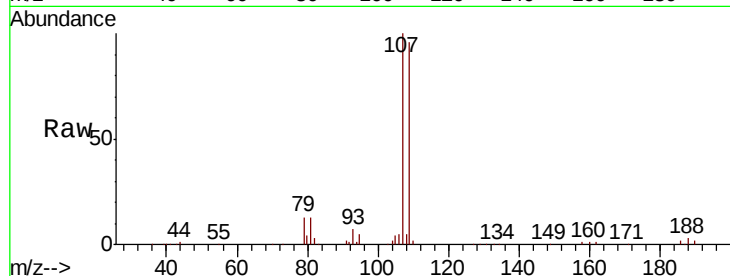




#50
 1,2-Dibromoethane
 Concen: 49.369 ug/L
 RT: 8.95 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VU036413.D
 Acq: 08 Jan 2020 18:25

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	67.3	124.9
188	2.6	2.6	3.8

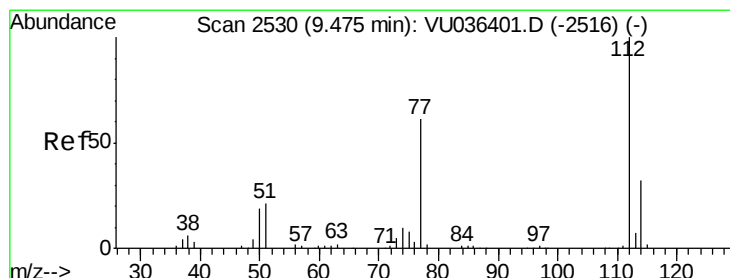
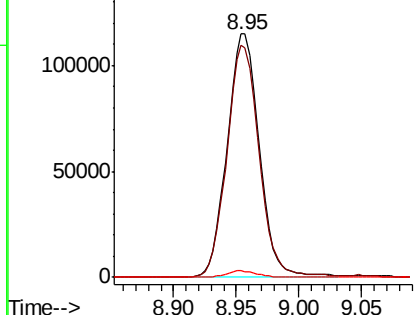
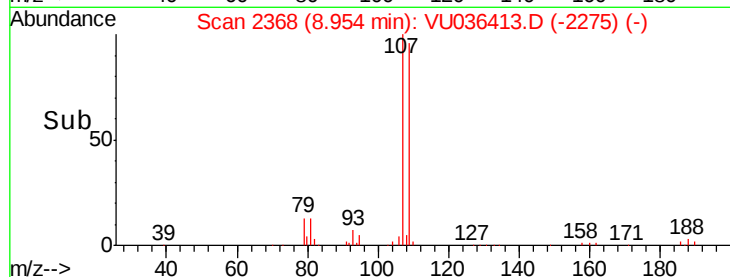


Abundance

Ion 107.00 (106.70 to 107.70): V

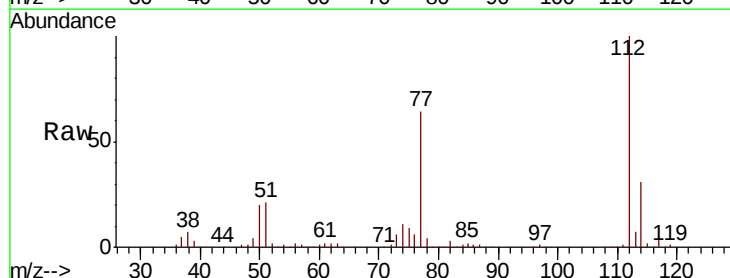
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
 Chlorobenzene
 Concen: 49.255 ug/L
 RT: 9.47 min Scan# 2530
 Delta R.T. -0.00 min
 Lab File: VU036413.D
 Acq: 08 Jan 2020 18:25

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.6	22.5	41.7
77	63.5	48.7	73.1

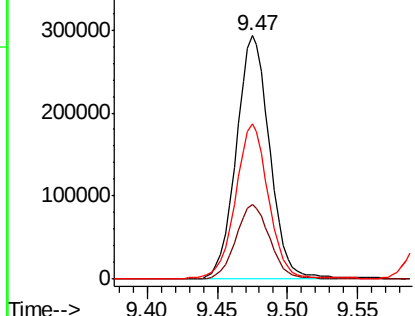
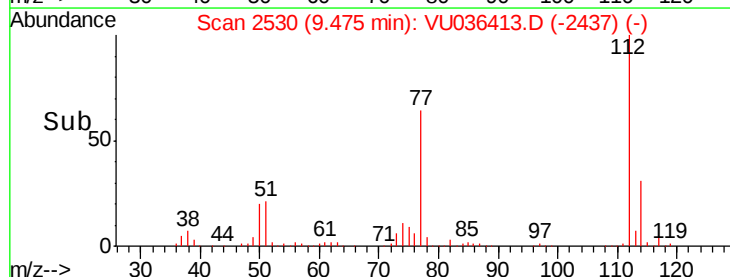


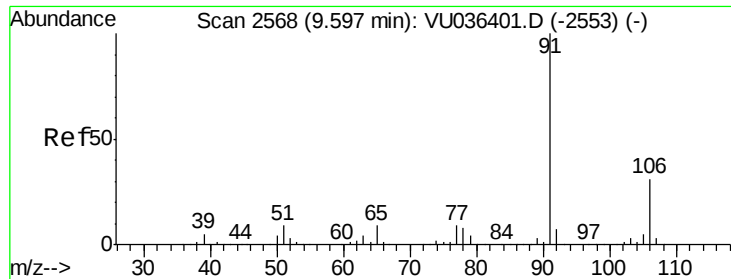
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 48.679 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036413.D

Acq: 08 Jan 2020 18:25

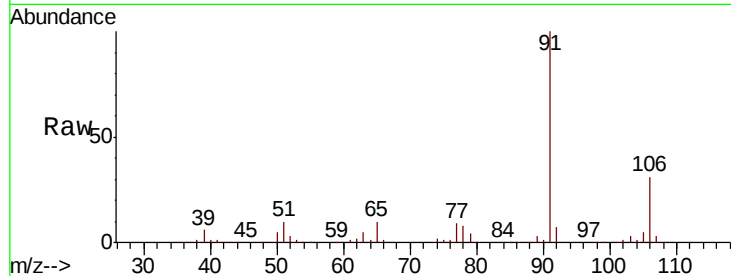
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 865800

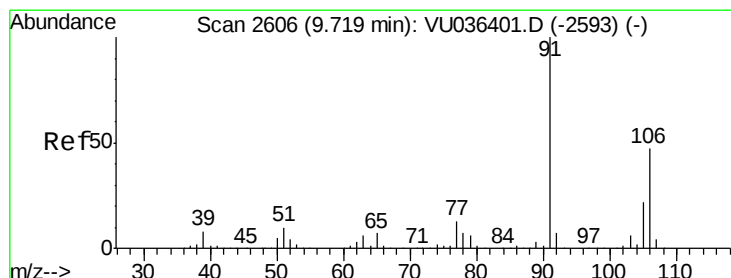
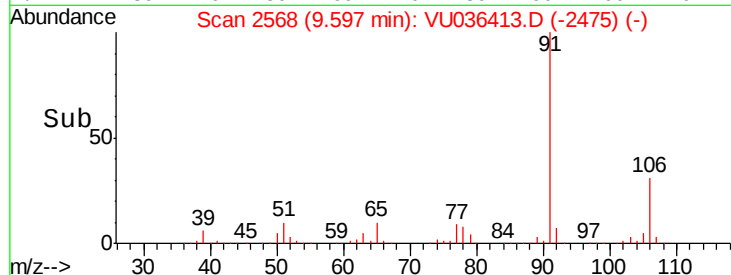
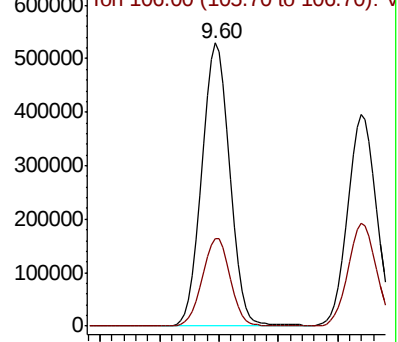
Ion Ratio Lower Upper

91 100

106 31.0 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VU036413.D (-2475) (-)



#53

m,p-Xylene

Concen: 48.133 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036413.D

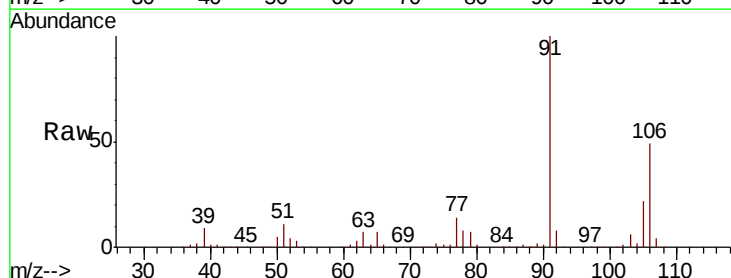
Acq: 08 Jan 2020 18:25

Tgt Ion: 106 Resp: 317568

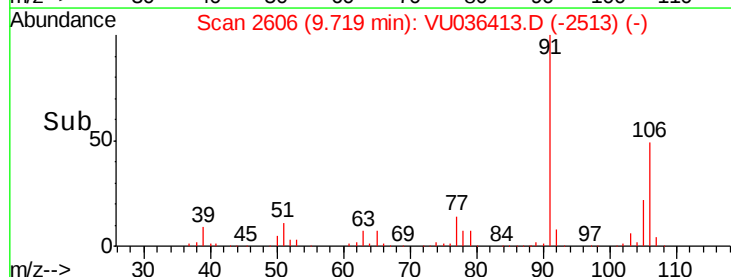
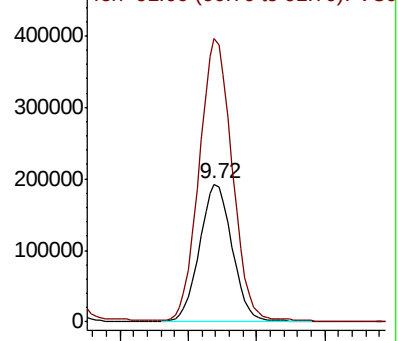
Ion Ratio Lower Upper

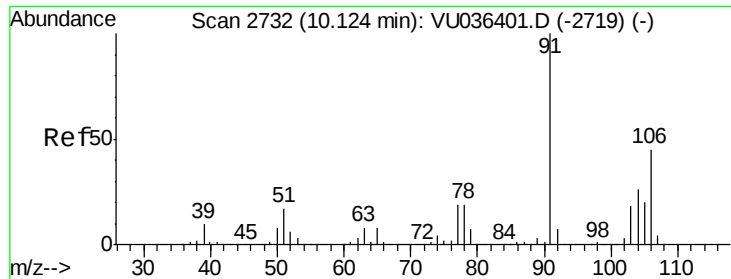
106 100

91 205.1 146.8 272.6



Abundance Ion 106.00 (105.70 to 106.70): VU036413.D (-2513) (-)

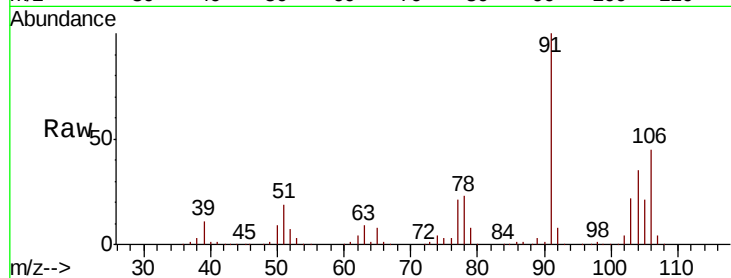




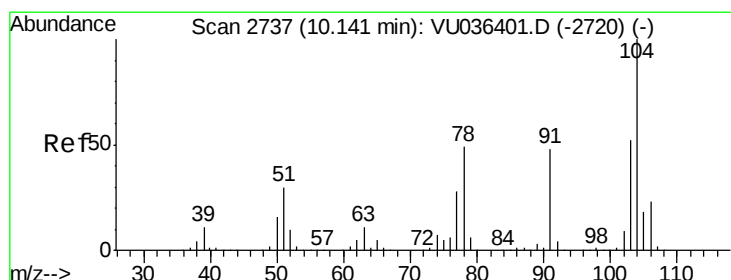
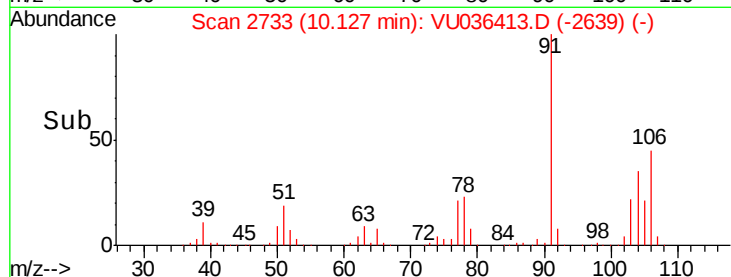
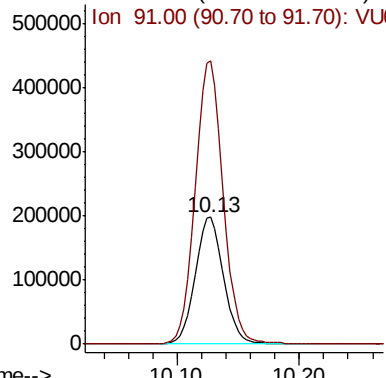
#54
o-xylene
Concen: 48.579 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU036413.D
Acq: 08 Jan 2020 18:25

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 321595
Ion Ratio Lower Upper
106 100
91 223.0 156.4 290.4

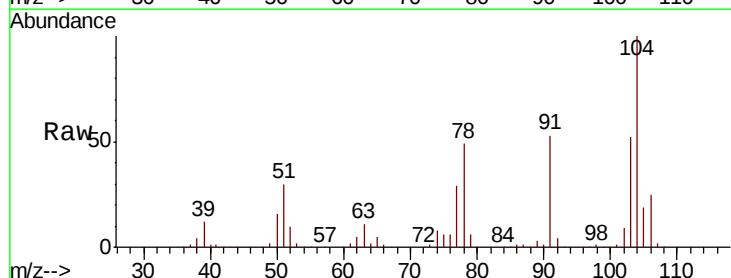


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

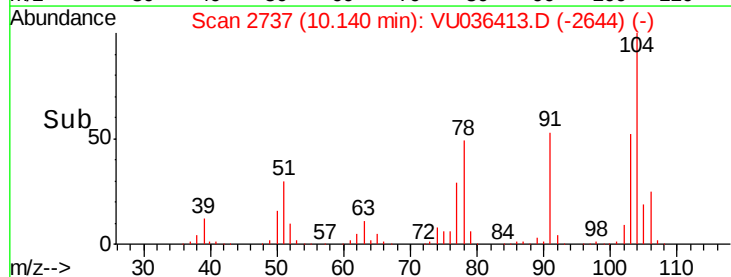
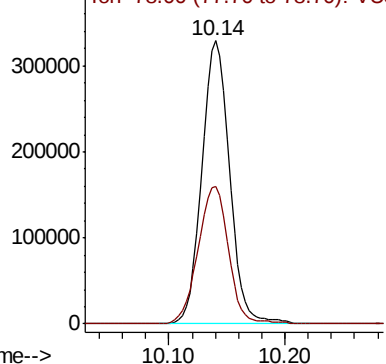


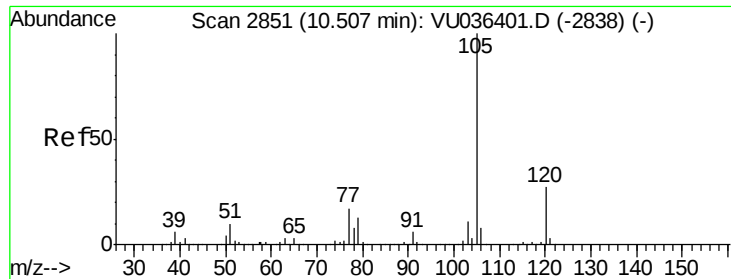
#55
Styrene
Concen: 48.509 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. -0.00 min
Lab File: VU036413.D
Acq: 08 Jan 2020 18:25

Tgt Ion:104 Resp: 542971
Ion Ratio Lower Upper
104 100
78 48.7 33.9 63.0



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





#56

Isopropylbenzene

Concen: 49.292 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036413.D

Acq: 08 Jan 2020 18:25

Instrument :

MSVOA_U

ClientSampleId :

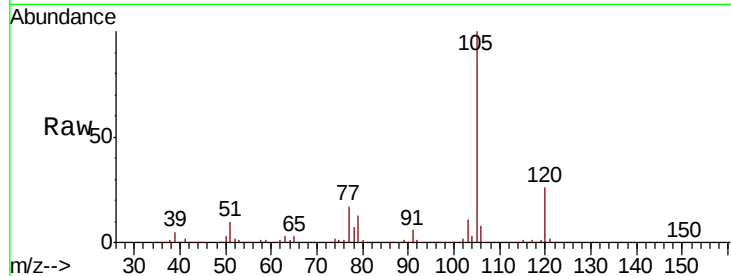
Tot Ion:105 Resp: 850498

Ion Ratio Lower Upper

105 100

120 25.7 21.0 31.4

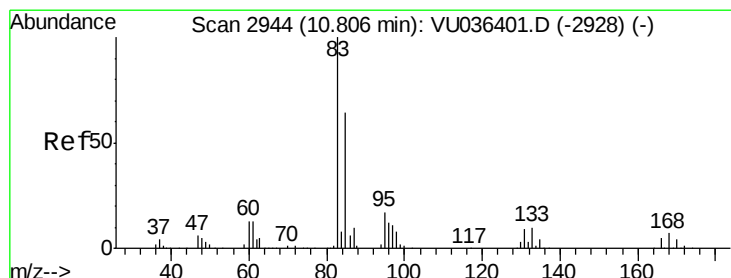
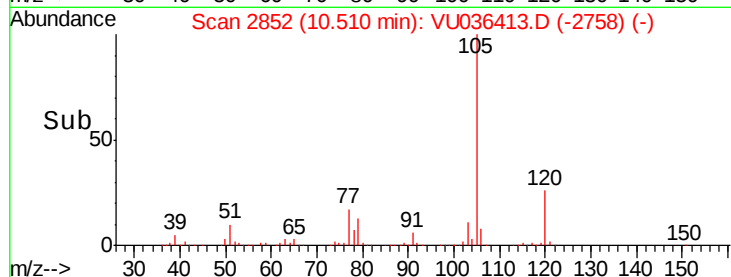
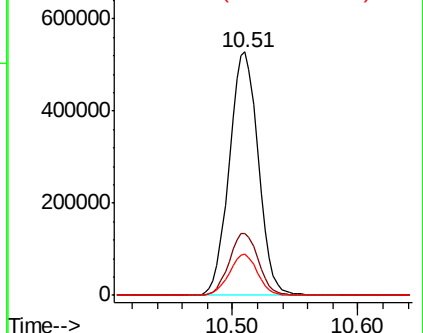
77 16.5 13.3 19.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 48.152 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036413.D

Acq: 08 Jan 2020 18:25

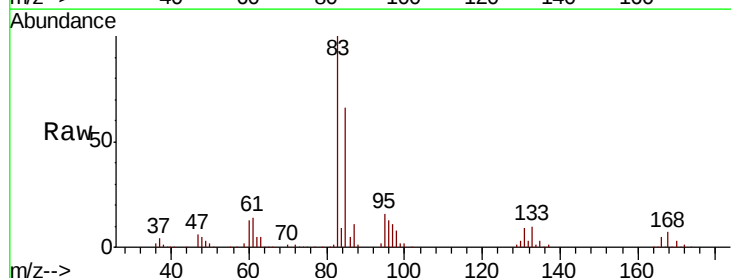
Tgt Ion: 83 Resp: 326318

Ion Ratio Lower Upper

83 100

85 66.2 45.3 84.1

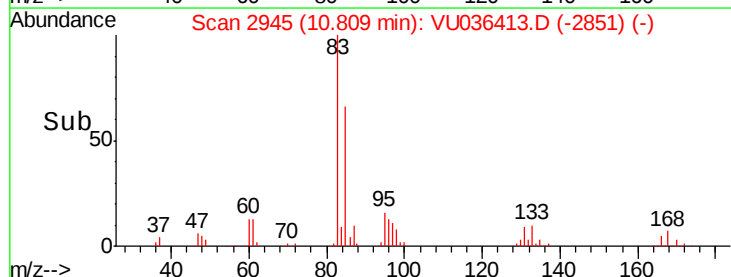
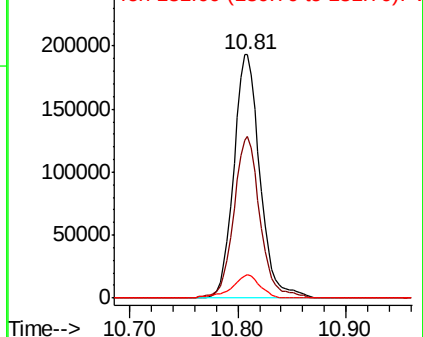
131 9.5 7.5 11.3

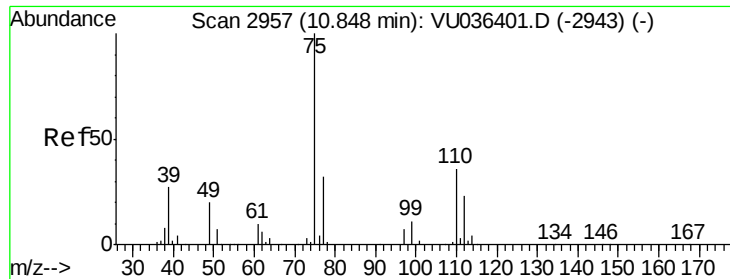


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.555 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. -0.00 min

Lab File: VU036413.D

Acq: 08 Jan 2020 18:25

Instrument :

MSVOA_U

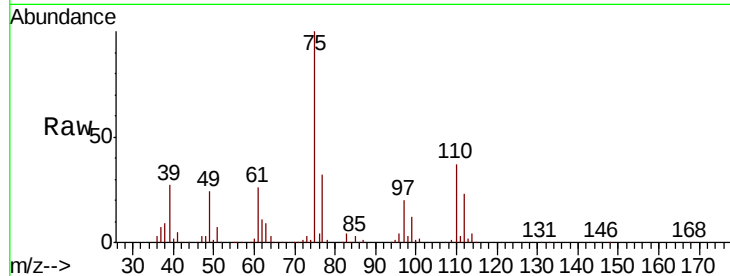
ClientSampleId :

Tot Ion: 75 Resp: 272581

Ion Ratio Lower Upper

75 100

77 31.9 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VU036413.D (-2943) (-)

Ion 77.00 (76.70 to 77.70): VU036413.D (-2943) (-)

10.85

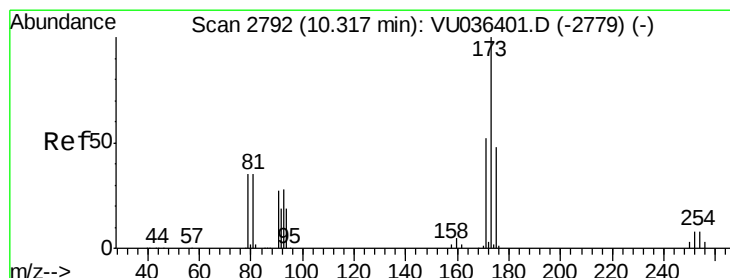
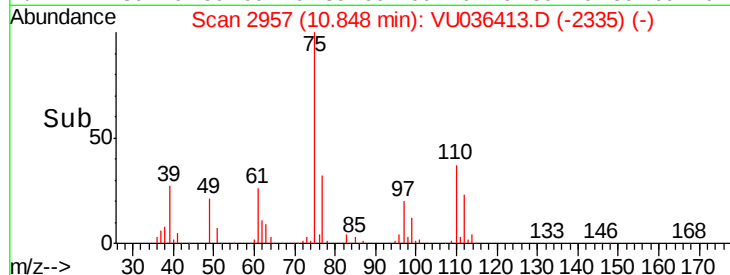
150000

100000

50000

0

Time--> 10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 45.828 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU036413.D

Acq: 08 Jan 2020 18:25

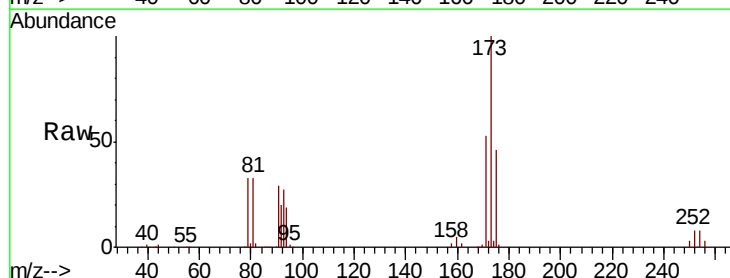
Tgt Ion: 173 Resp: 150641

Ion Ratio Lower Upper

173 100

175 47.0 38.7 58.1

254 8.1 6.9 10.3



Abundance Ion 173.00 (172.70 to 173.70): VU036413.D (-2779) (-)

Ion 175.00 (174.70 to 175.70): VU036413.D (-2779) (-)

Ion 254.00 (253.70 to 254.70): VU036413.D (-2779) (-)

120000

100000

80000

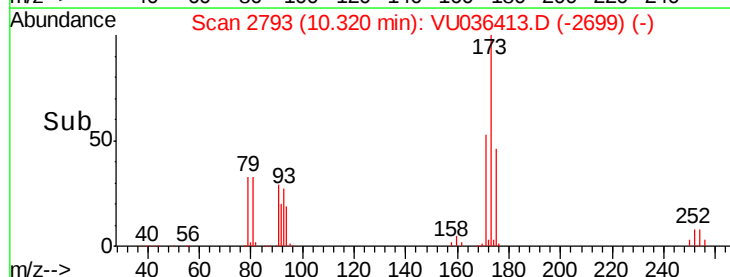
60000

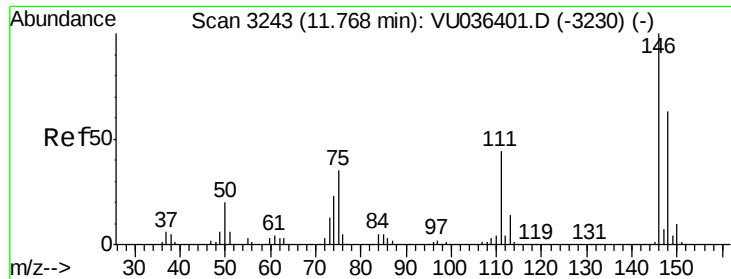
40000

20000

0

Time--> 10.25 10.30 10.35 10.40





#62

1,3-Dichlorobenzene

Concen: 47.968 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. -0.00 min

Lab File: VU036413.D

Acq: 08 Jan 2020 18:25

Instrument :

MSVOA_U

ClientSampleId :

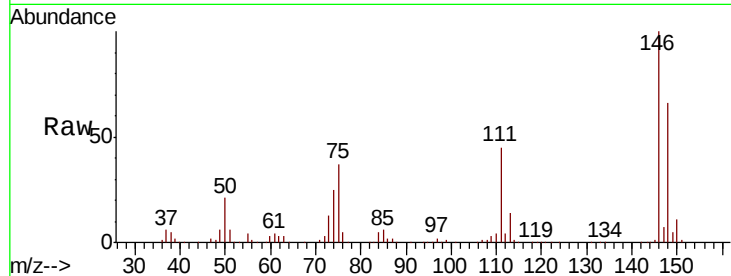
Tot Ion:146 Resp: 342879

Ion Ratio Lower Upper

146 100

111 45.2 29.1 54.1

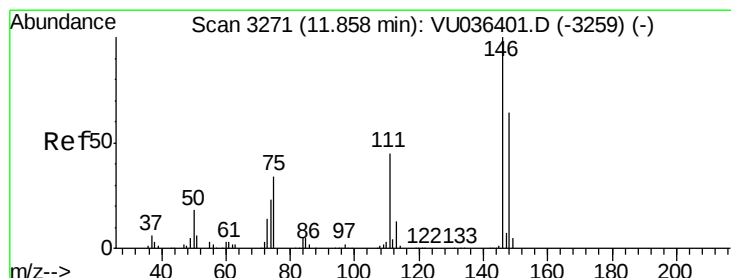
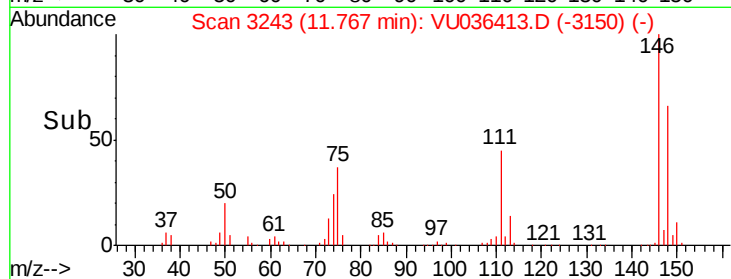
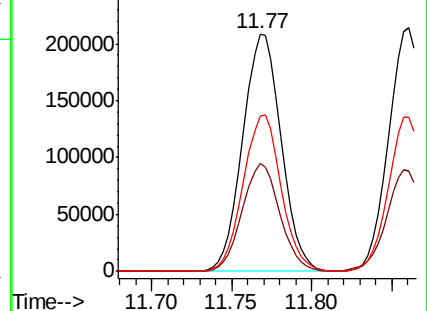
148 65.5 46.9 87.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 48.502 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VU036413.D

Acq: 08 Jan 2020 18:25

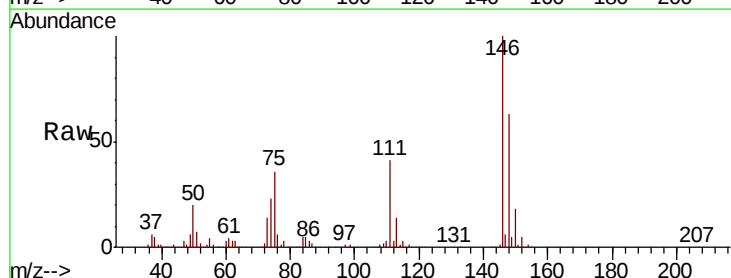
Tgt Ion:146 Resp: 343916

Ion Ratio Lower Upper

146 100

111 41.1 29.7 55.1

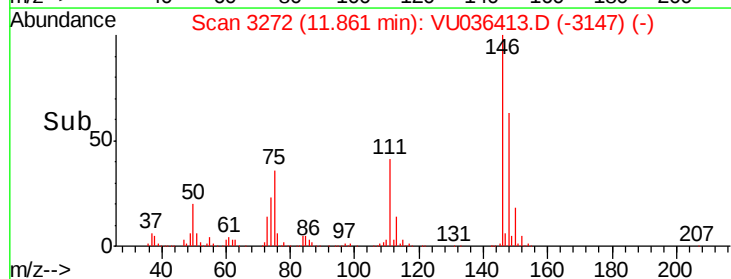
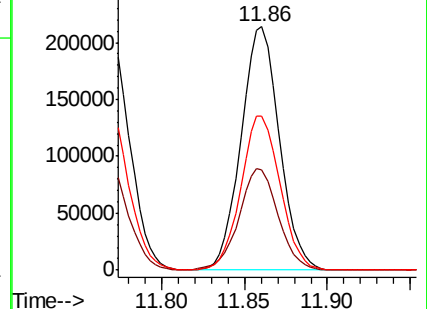
148 63.3 45.6 84.6

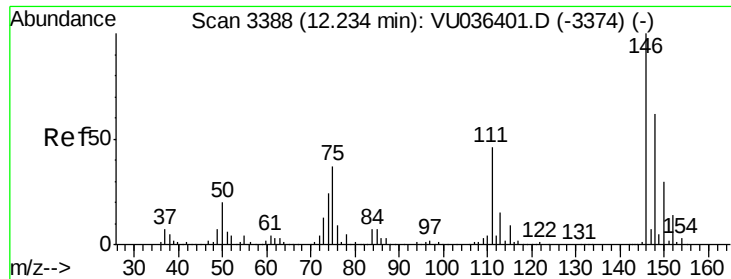


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.867 ug/L

RT: 12.23 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VU036413.D

Acq: 08 Jan 2020 18:25

Instrument :

MSVOA_U

ClientSampled :

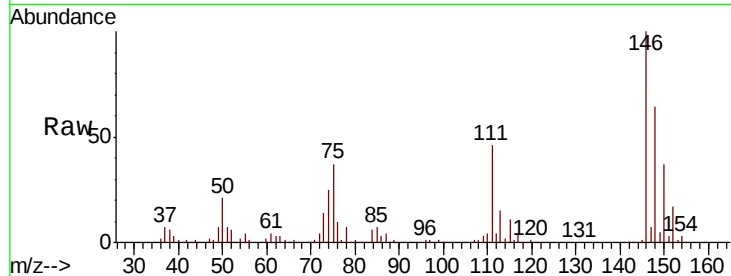
Tot Ion:146 Resp: 349985

Ion Ratio Lower Upper

146 100

111 46.4 33.4 50.2

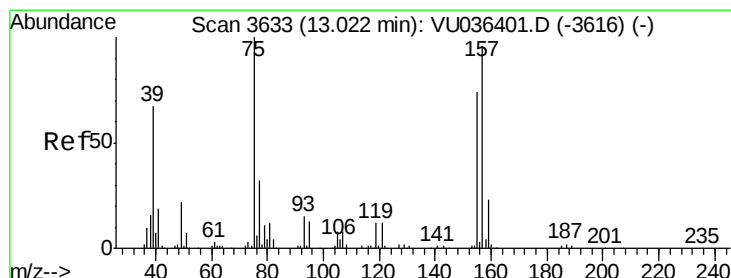
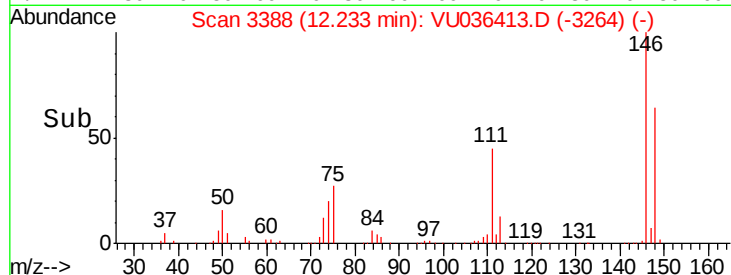
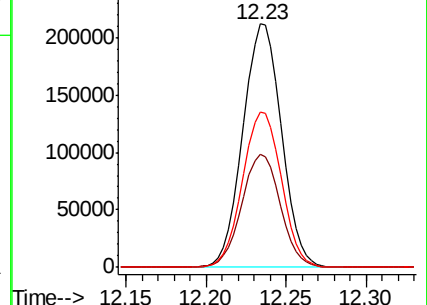
148 63.9 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 47.159 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VU036413.D

Acq: 08 Jan 2020 18:25

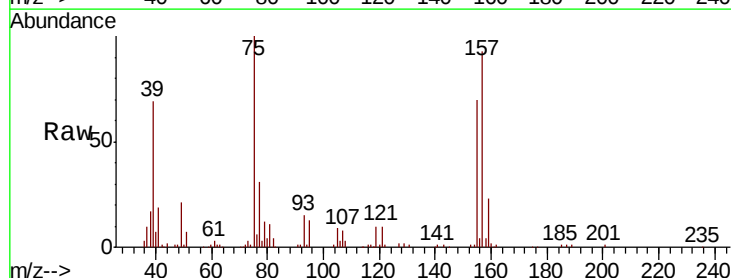
Tgt Ion: 75 Resp: 78813

Ion Ratio Lower Upper

75 100

155 70.2 61.8 92.6

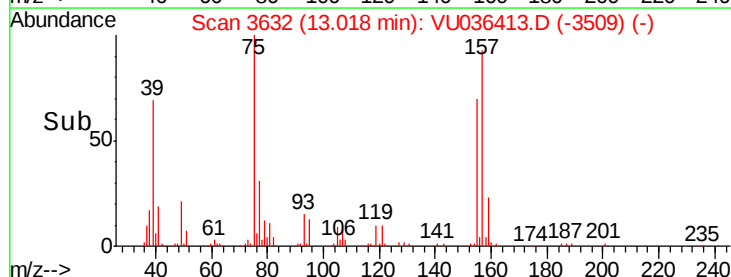
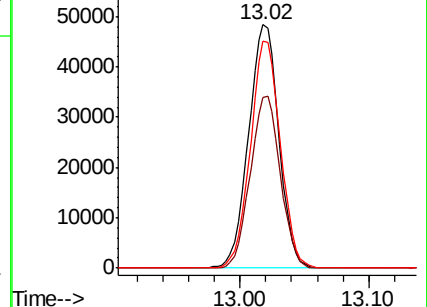
157 93.1 84.2 126.2

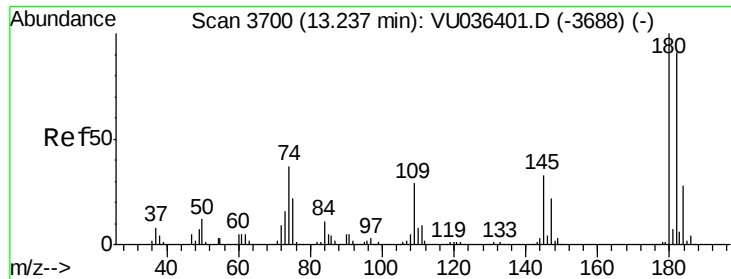


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

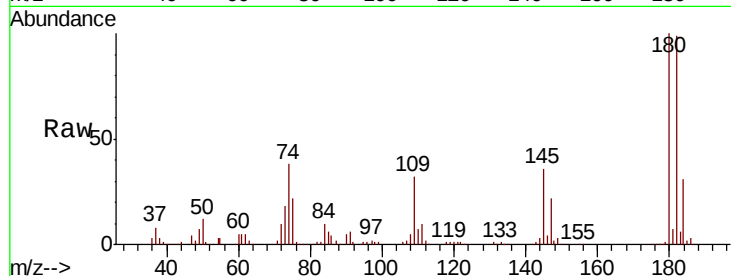




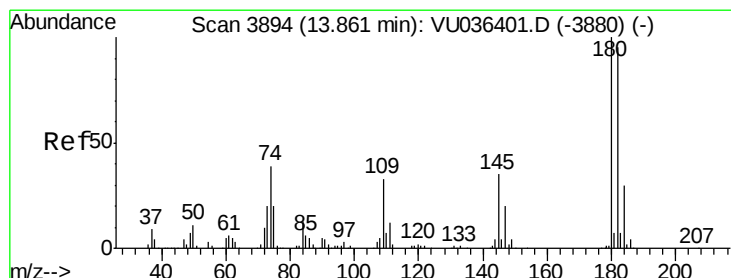
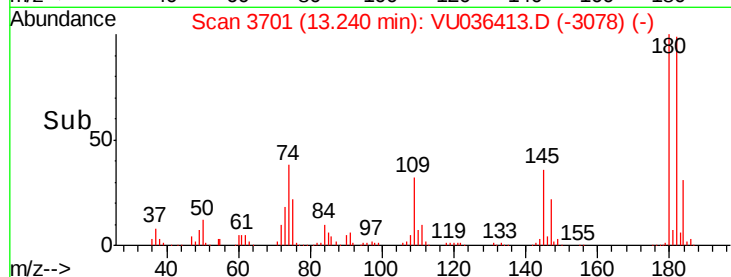
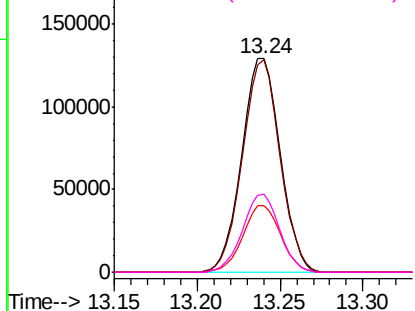
#67
 1,3,5-Trichlorobenzene
 Concen: 43.972 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU036413.D
 Acq: 08 Jan 2020 18:25

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 208724
 Ion Ratio Lower Upper
 180 100
 182 96.7 74.6 112.0
 184 30.8 23.9 35.9
 145 35.0 25.4 38.2

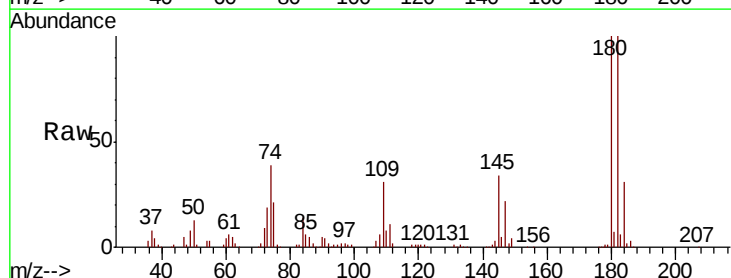


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

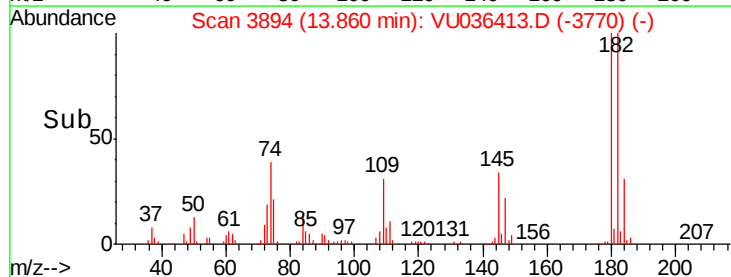
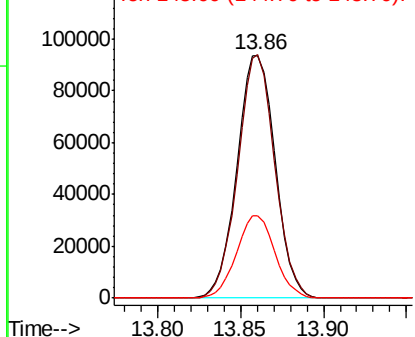


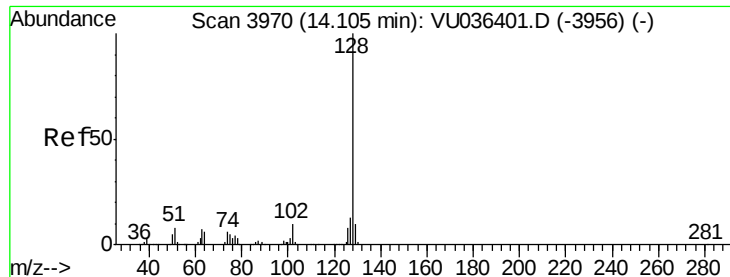
#68
 1,2,4-trichlorobenzene
 Concen: 41.691 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU036413.D
 Acq: 08 Jan 2020 18:25

Tgt Ion:180 Resp: 149977
 Ion Ratio Lower Upper
 180 100
 182 97.1 78.0 117.0
 145 34.1 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 40.026 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VU036413.D

Acq: 08 Jan 2020 18:25

Instrument :

MSVOA_U

ClientSampleId :

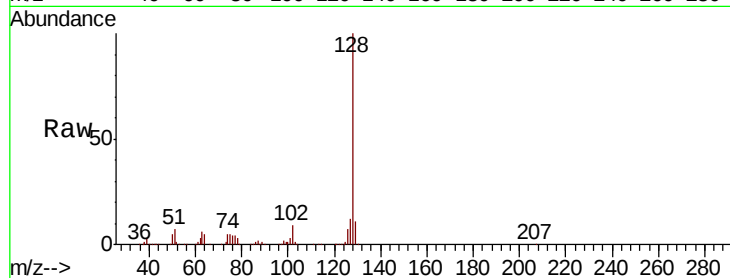
Tot Ion:128 Resp: 494773

Ion Ratio Lower Upper

128 100

127 12.7 10.5 15.7

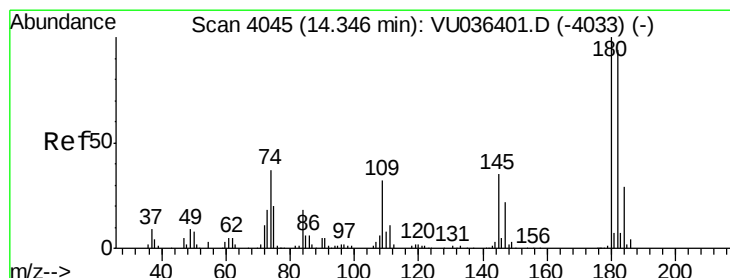
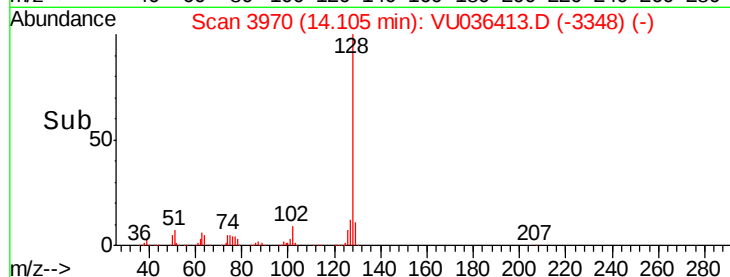
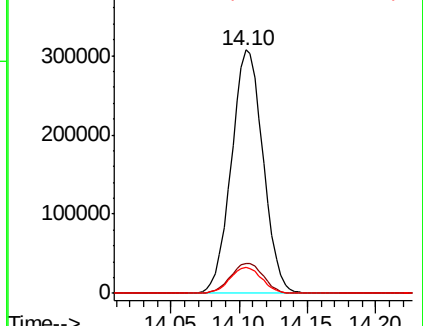
129 10.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 41.439 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. 0.00 min

Lab File: VU036413.D

Acq: 08 Jan 2020 18:25

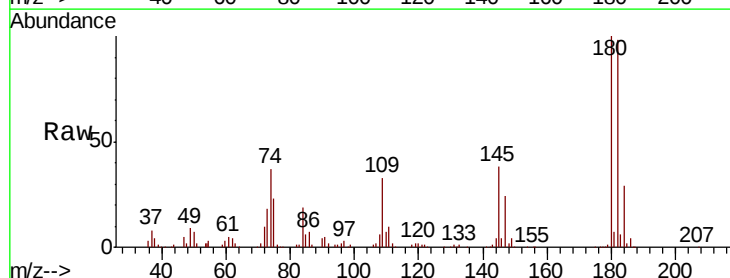
Tgt Ion:180 Resp: 156551

Ion Ratio Lower Upper

180 100

182 97.7 75.4 113.2

145 37.4 27.1 40.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

