

Data File : VU035615.D
Acq On : 04 Nov 2019 18:11
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Quant Time: Nov 05 02:40:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 05 02:35:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	226371	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	248667	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	145305	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	110910	4.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.20%
7) Chloroethane-d5	1.93	69	94911	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.60%
11) 1,1-Dichloroethene-d2	2.60	63	194807	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.40%
20) 2-Butanone-d5	4.71	46	262334	50.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.98%
24) Chloroform-d	5.11	84	182254	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.75	65	96771	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.77	84	383837	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.73	67	123169	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.93	98	364907	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
43) trans-1,3-Dichloropropene-	8.22	79	48699	4.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.40%
46) 2-Hexanone-d5	8.68	63	201982	50.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.98%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	106722	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	139675	4.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	132539	5.442 ug/L	97
3) Chloromethane	1.54	50	147754	5.260 ug/L	100
5) Vinyl chloride	1.62	62	156184	5.427 ug/L	92
6) Bromomethane	1.87	94	84619	5.157 ug/L	98
8) Chloroethane	1.95	64	90082	5.455 ug/L	100
9) Trichlorofluoromethane	2.16	101	191712	5.460 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	111630	5.382 ug/L	98
12) 1,1-Dichloroethene	2.61	96	103581	5.204 ug/L	96
13) Acetone	2.68	43	187044	50.428 ug/L	100
14) Carbon disulfide	2.82	76	338036	5.237 ug/L	99
15) Methyl Acetate	3.00	43	44265	5.137 ug/L	99
16) Methylene chloride	3.08	84	118654	5.028 ug/L	99
17) Methyl tert-butyl Ether	3.43	73	245648	5.265 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	107325	5.236 ug/L	93
19) 1,1-Dichloroethane	3.92	63	205416	5.397 ug/L	99
21) 2-Butanone	4.79	43	281547	51.121 ug/L	100
22) cis-1,2-Dichloroethene	4.72	96	117549	5.193 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	56292	5.250	ug/L	98
25) Chloroform	5.14	83	225247	5.442	ug/L	98
27) 1,2-Dichloroethane	5.84	62	124965	5.425	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	176233	5.384	ug/L	99
30) Cyclohexane	5.43	56	166628	5.091	ug/L	98
31) Carbon tetrachloride	5.57	117	159129	5.394	ug/L	98
33) Benzene	5.82	78	462474	5.285	ug/L	100
34) Trichloroethene	6.58	95	118210	5.278	ug/L	99
35) Methylcyclohexane	6.80	83	171480	5.026	ug/L	99
37) 1,2-Dichloropropane	6.84	63	119674	5.190	ug/L	100
38) Bromodichloromethane	7.15	83	148049	5.307	ug/L	96
39) cis-1,3-Dichloropropene	7.65	75	166572	5.062	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	677234	51.078	ug/L	99
42) Toluene	8.01	91	501244	5.444	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	136228	5.177	ug/L	95
45) 1,1,2-Trichloroethane	8.44	97	88291	5.347	ug/L	98
47) Tetrachloroethene	8.58	164	103647	5.311	ug/L	96
48) 2-Hexanone	8.73	43	482188	51.171	ug/L	98
49) Dibromochloromethane	8.84	129	105655	5.187	ug/L	97
50) 1,2-Dibromoethane	8.96	107	82902	5.291	ug/L	100
51) Chlorobenzene	9.48	112	321629	5.320	ug/L	100
52) Ethylbenzene	9.60	91	498890	5.149	ug/L	99
53) m,p-Xylene	9.72	106	200515	5.465	ug/L	99
54) o-Xylene	10.13	106	191112	5.390	ug/L	98
55) Styrene	10.14	104	322334	5.498	ug/L	99
56) Isopropylbenzene	10.51	105	494047	5.280	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	110985	5.144	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	78660	5.158	ug/L	99
61) Bromoform	10.32	173	64066	4.851	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	244760	5.010	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	241400	5.131	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	229975	5.016	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	14262	4.888	ug/L	88
67) 1,3,5-Trichlorobenzene	13.24	180	161253	5.121	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	81823	4.312	ug/L	100
69) Naphthalene	14.11	128	84423	3.613	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	83586	4.556	ug/L	99

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

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MSVOA_U
ClientSampleId :
VSTD00520

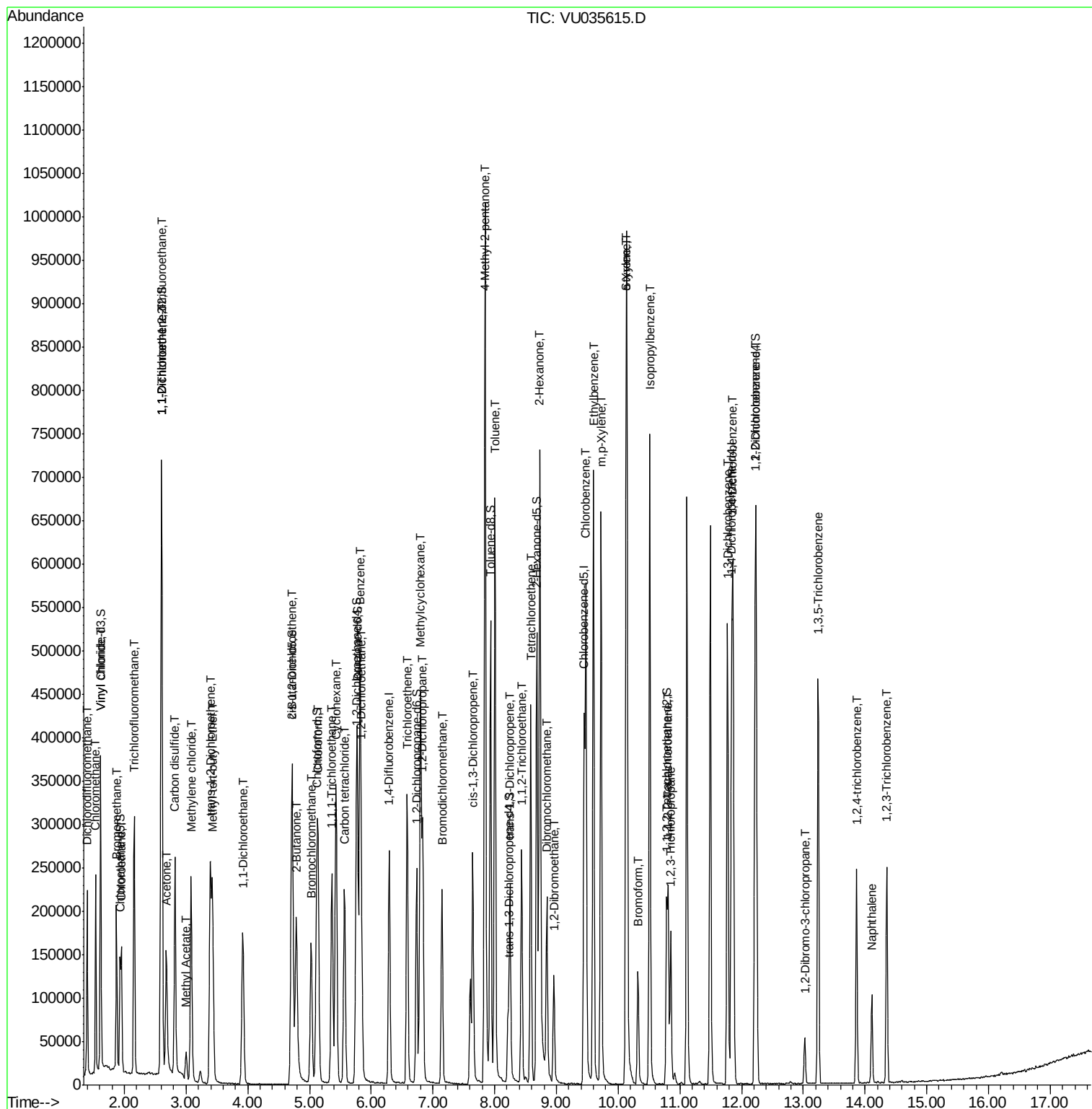
Quant Time: Nov 05 02:40:58 2019

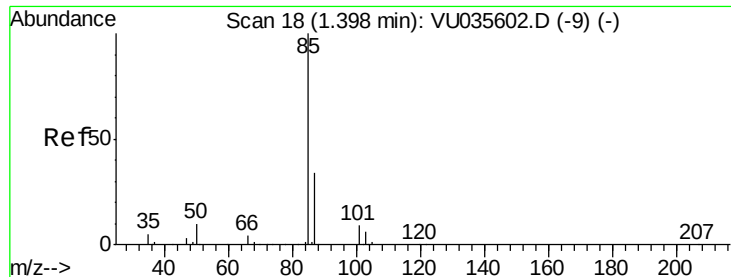
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR110419WMA.M

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#2

Dichlorodifluoromethane

Concen: 5.442 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU035615.D

Acq: 04 Nov 2019 18:11

Instrument :

MSVOA_U

ClientSampleId :

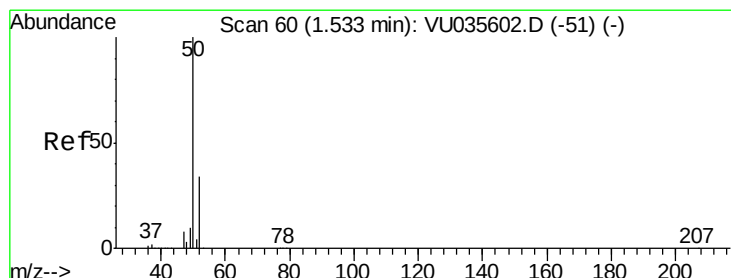
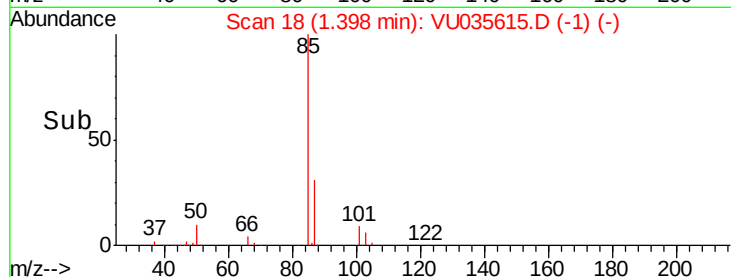
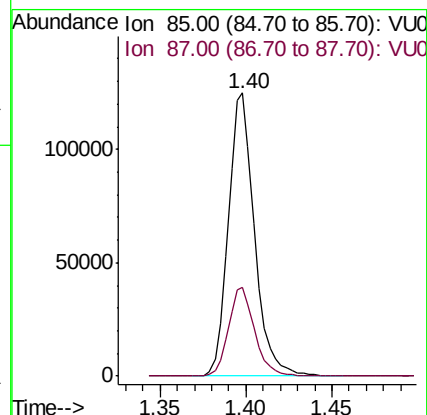
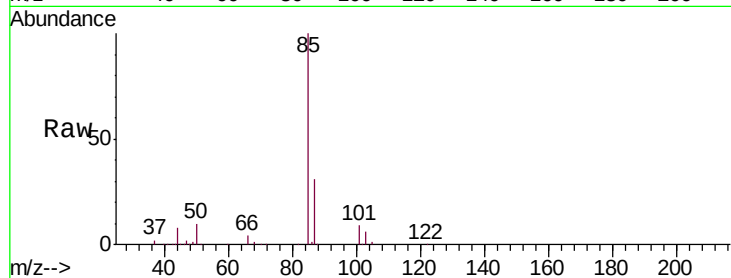
VSTD00520

Tgt Ion: 85 Resp: 132539

Ion Ratio Lower Upper

85 100

87 31.6 26.8 40.2



#3

Chloromethane

Concen: 5.260 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035615.D

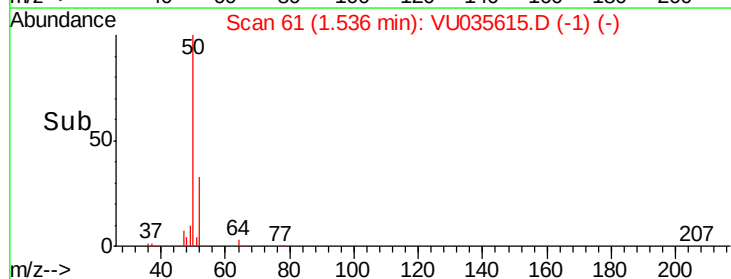
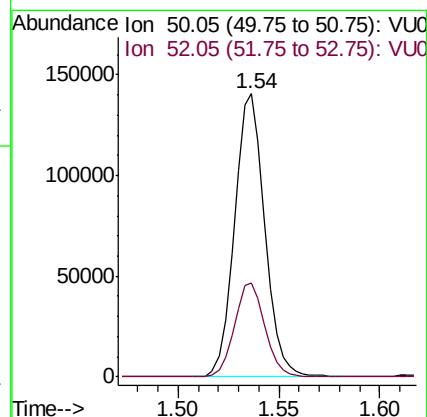
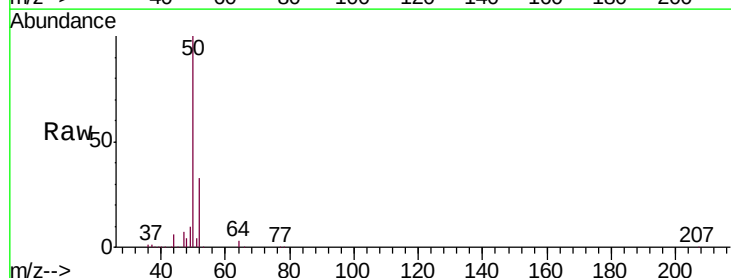
Acq: 04 Nov 2019 18:11

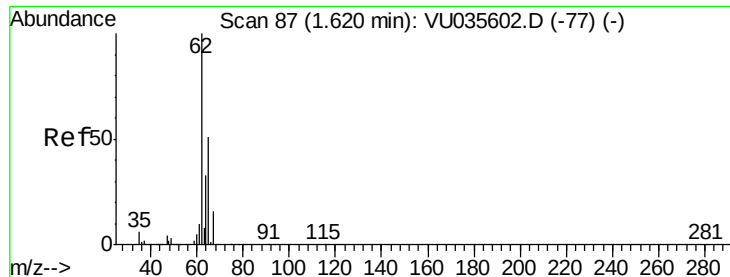
Tgt Ion: 50 Resp: 147754

Ion Ratio Lower Upper

50 100

52 33.4 23.4 43.6





#5

Vinyl chloride

Concen: 5.427 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035615.D

Acq: 04 Nov 2019 18:11

Instrument :

MSVOA_U

ClientSampleId :

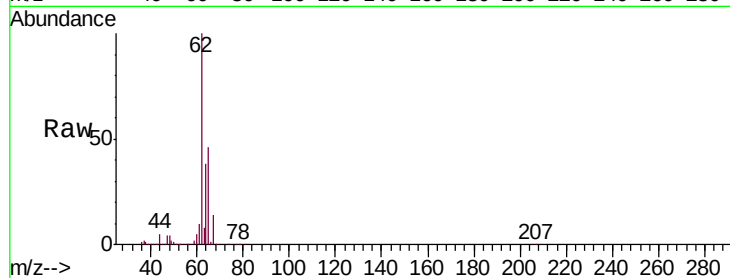
VSTD00520

Tgt Ion: 62 Resp: 156184

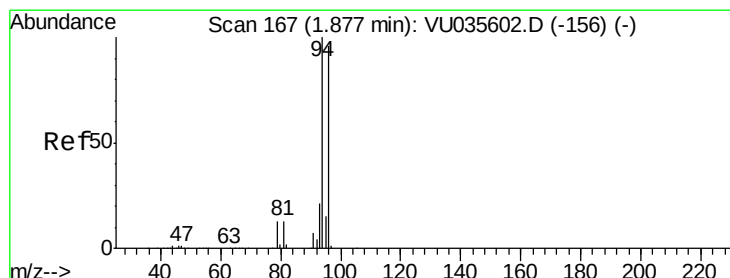
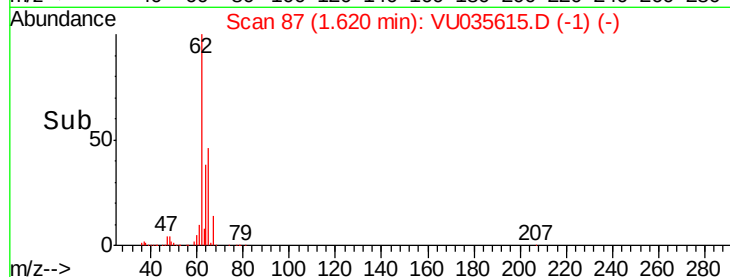
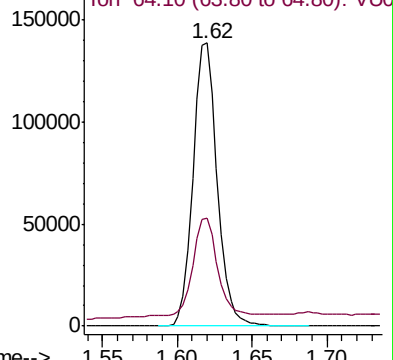
Ion Ratio Lower Upper

62 100

64 38.1 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU035615.D (-1) (-)



#6

Bromomethane

Concen: 5.157 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035615.D

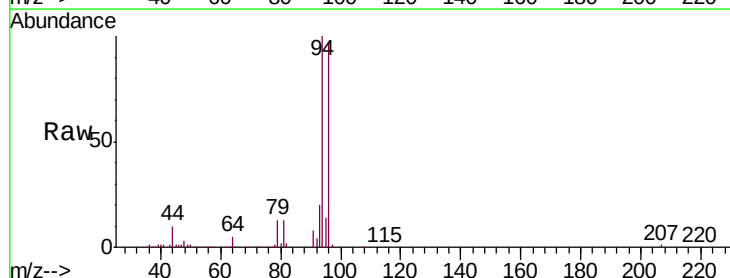
Acq: 04 Nov 2019 18:11

Tgt Ion: 94 Resp: 84619

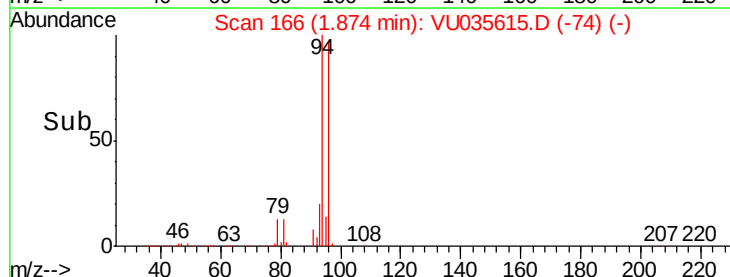
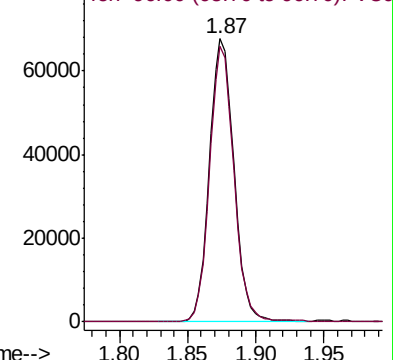
Ion Ratio Lower Upper

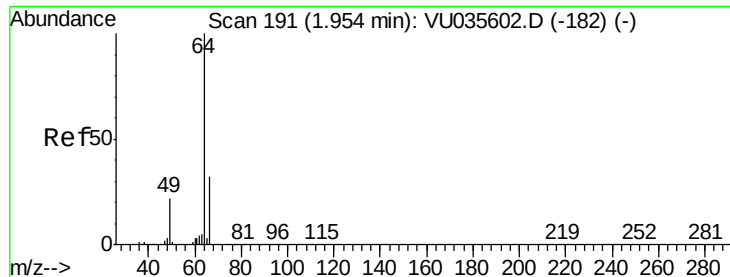
94 100

96 97.3 66.8 124.2



Abundance Ion 94.00 (93.70 to 94.70): VU035615.D (-74) (-)

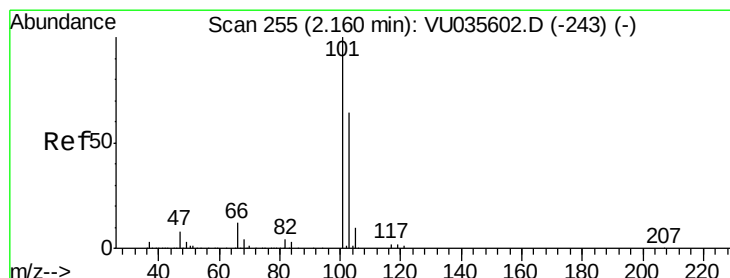
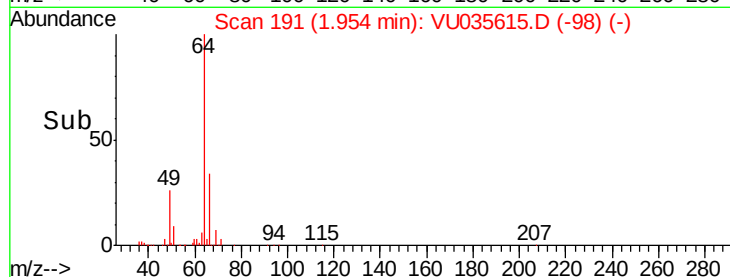
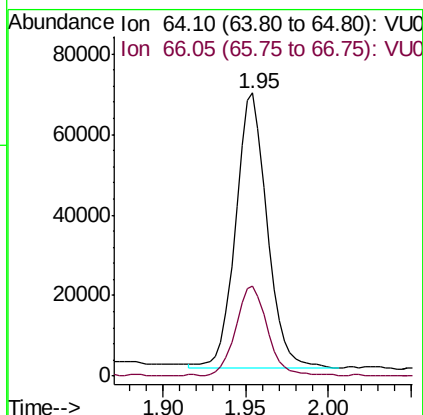
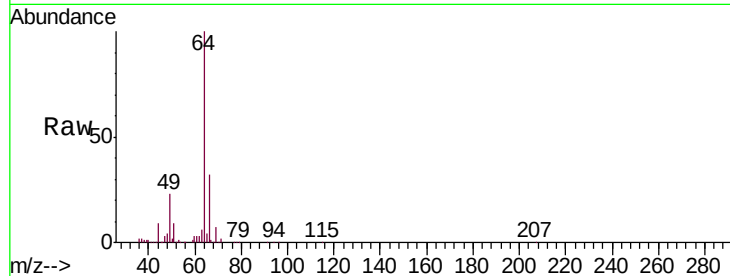




#8
Chloroethane
Concen: 5.455 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU035615.D
Acq: 04 Nov 2019 18:11

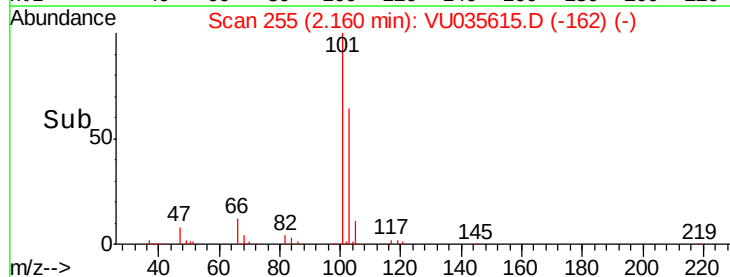
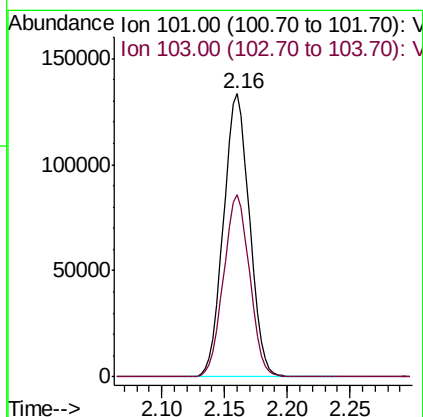
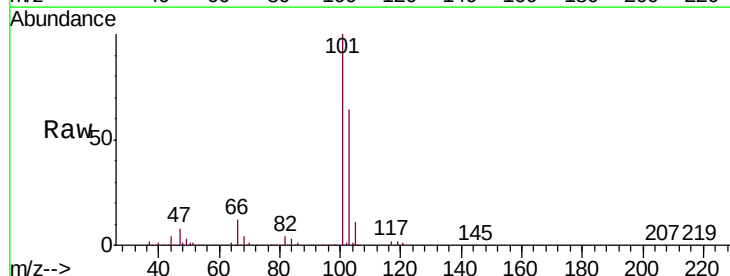
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

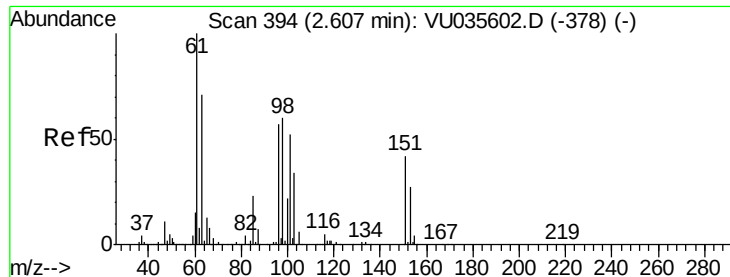
Tgt Ion: 64 Resp: 90082
Ion Ratio Lower Upper
64 100
66 31.9 22.5 41.7



#9
Trichlorofluoromethane
Concen: 5.460 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU035615.D
Acq: 04 Nov 2019 18:11

Tgt Ion: 101 Resp: 191712
Ion Ratio Lower Upper
101 100
103 64.4 51.8 77.6





#10

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

Concen: 5.382 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035615.D

Acq: 04 Nov 2019 18:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

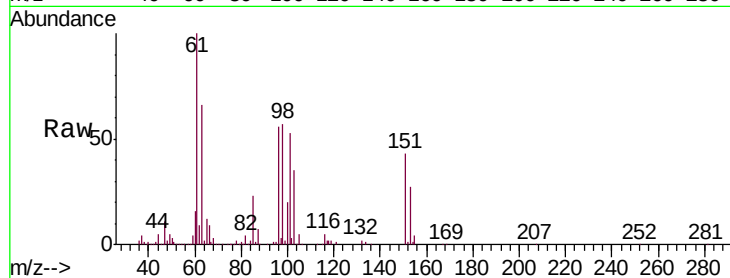
Tgt Ion:101 Resp: 111630

Ion Ratio Lower Upper

101 100

85 43.1 35.0 52.6

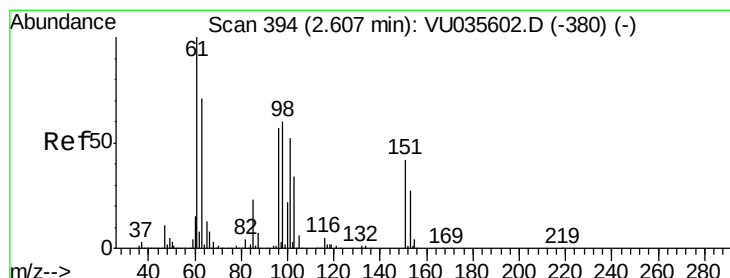
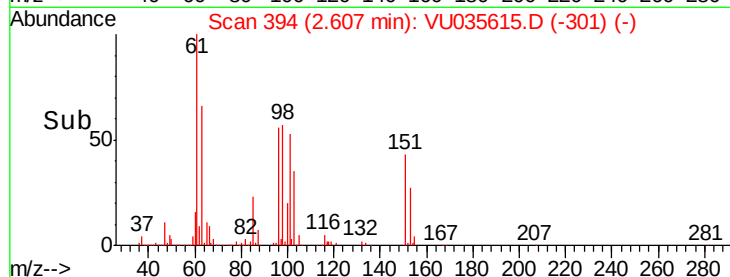
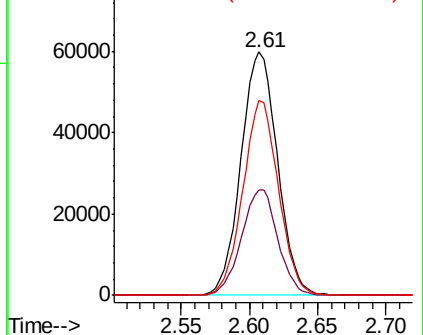
151 77.7 64.0 96.0



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: 5.204 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035615.D

Acq: 04 Nov 2019 18:11

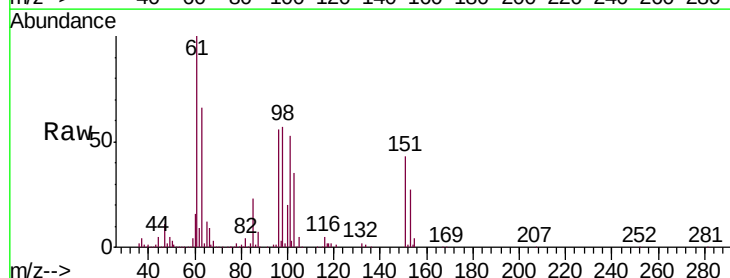
Tgt Ion: 96 Resp: 103581

Ion Ratio Lower Upper

96 100

61 178.5 123.1 228.5

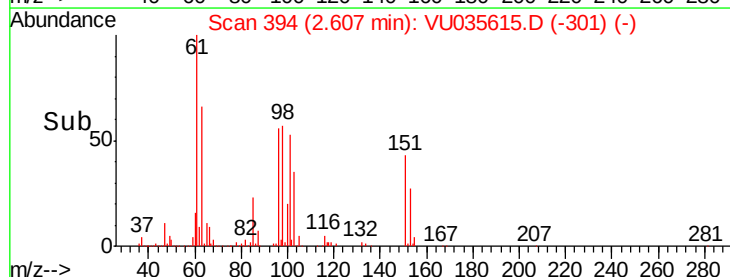
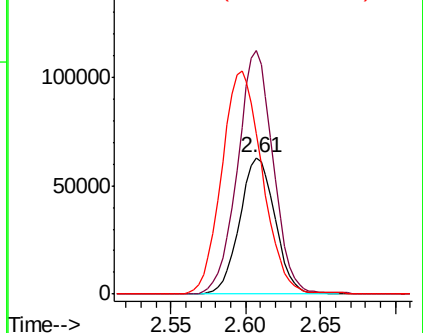
63 118.0 87.8 163.0

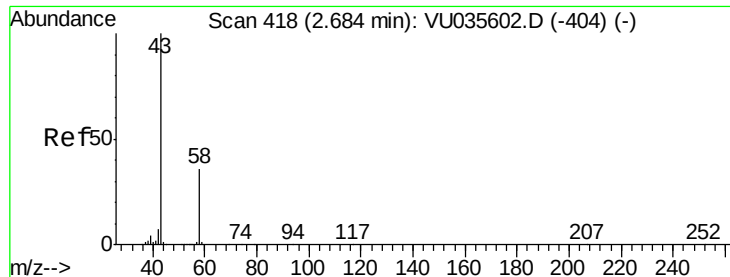


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 50.428 ug/L

RT: 2.68 min Scan# 417

Delta R.T. -0.00 min

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MSVOA_U

ClientSampleId :

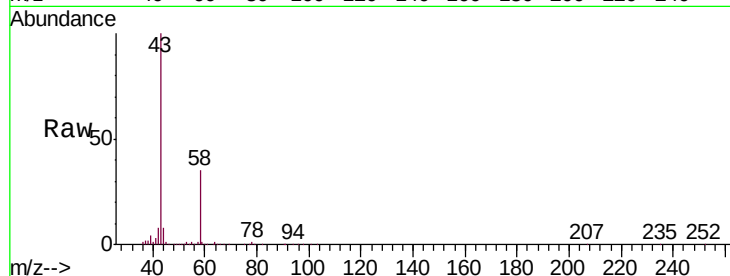
VSTD00520

Tgt Ion: 43 Resp: 187044

Ion Ratio Lower Upper

43 100

58 34.8 0.0 69.8



Abundance Ion 43.05 (42.75 to 43.75): VU035602.D (-404) (-)

Ion 58.05 (57.75 to 58.75): VU035602.D (-404) (-)

2.68

80000

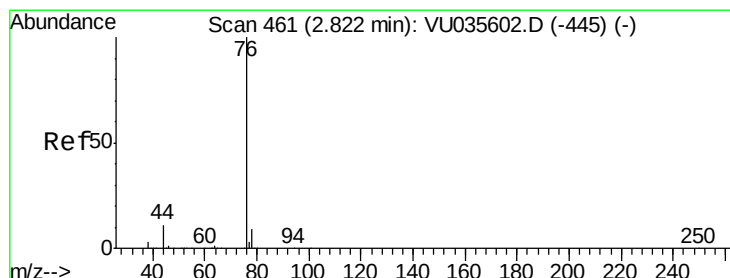
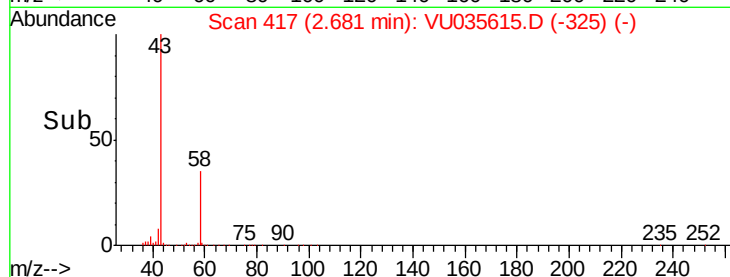
60000

40000

20000

0

Time-->



#14

Carbon disulfide

Concen: 5.237 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035615.D

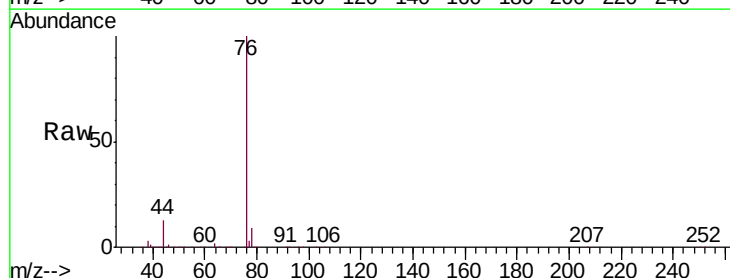
Acq: 04 Nov 2019 18:11

Tgt Ion: 76 Resp: 338036

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU035602.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU035602.D (-445) (-)

2.82

200000

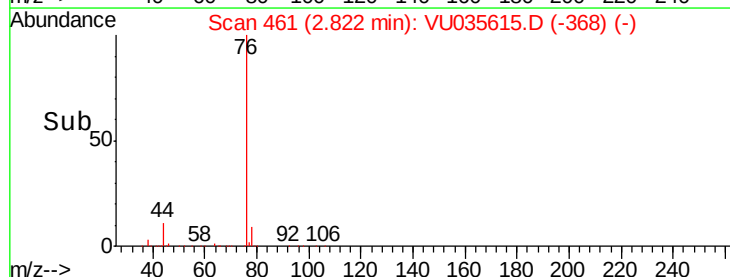
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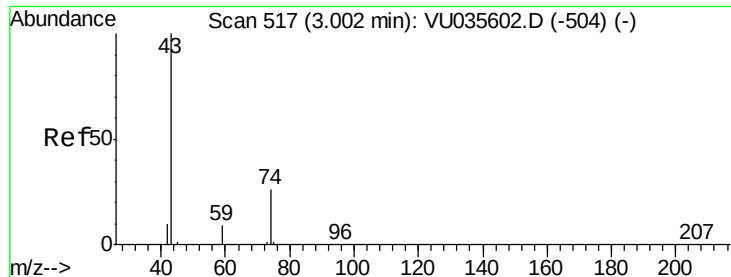
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Time-->

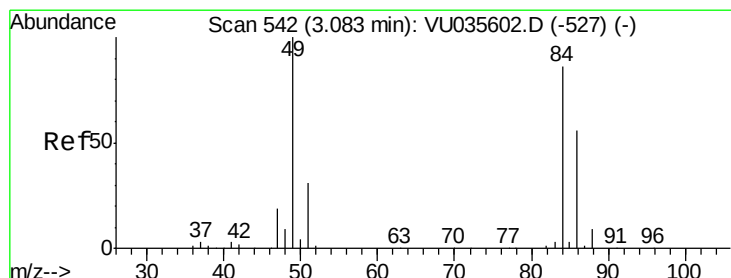
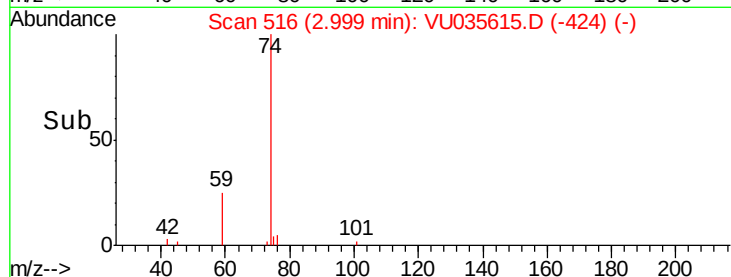
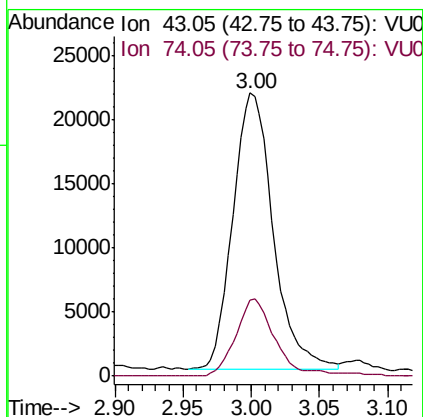
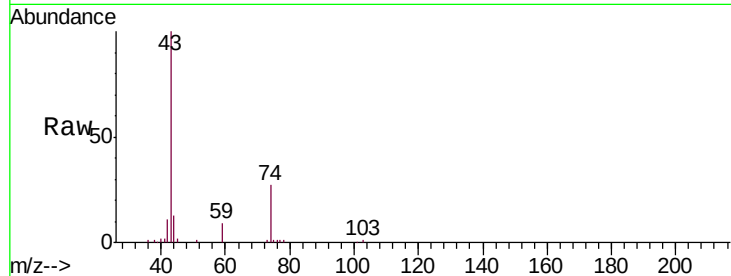




#15
Methyl Acetate
Concen: 5.137 ug/L
RT: 3.00 min Scan# 516
Delta R.T. -0.00 min
Lab File: VU035615.D
Acq: 04 Nov 2019 18:11

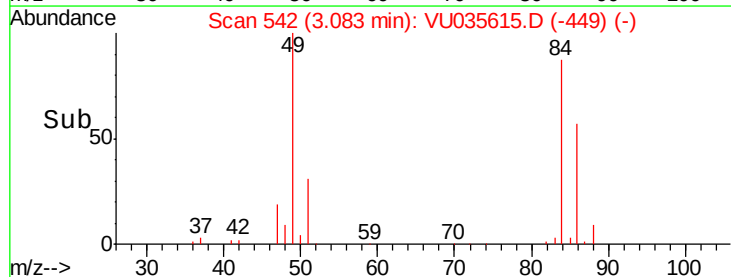
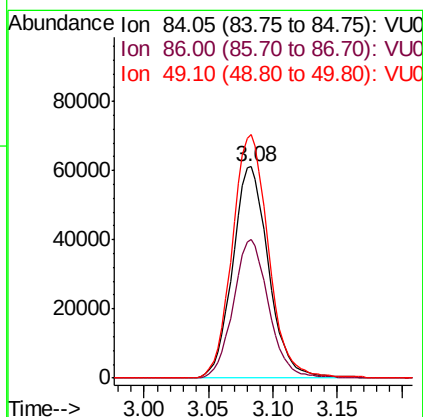
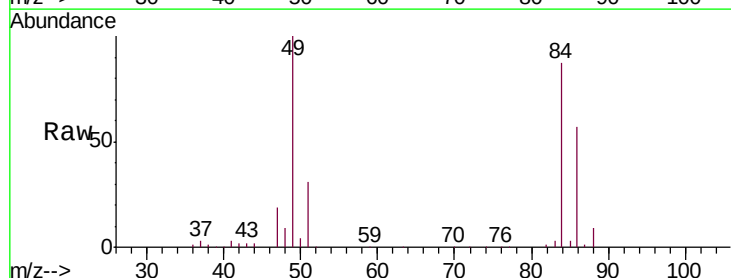
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

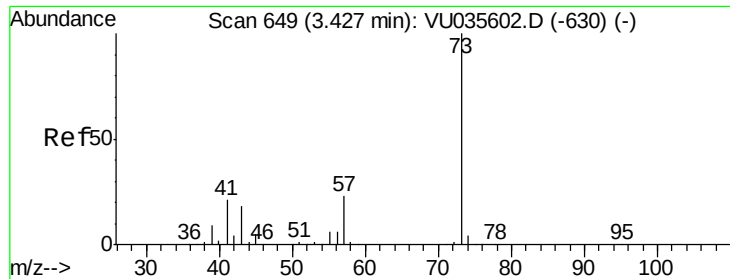
Tgt Ion: 43 Resp: 44265
Ion Ratio Lower Upper
43 100
74 26.0 21.0 31.6



#16
Methylene chloride
Concen: 5.028 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035615.D
Acq: 04 Nov 2019 18:11

Tgt Ion: 84 Resp: 118654
Ion Ratio Lower Upper
84 100
86 65.6 45.8 85.2
49 115.2 81.9 152.1





#17

Methyl tert-butyl Ether

Concen: 5.265 ug/L

RT: 3.43 min Scan# 649

Delta R.T. 0.00 min

Lab File: VU035615.D

Acq: 04 Nov 2019 18:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

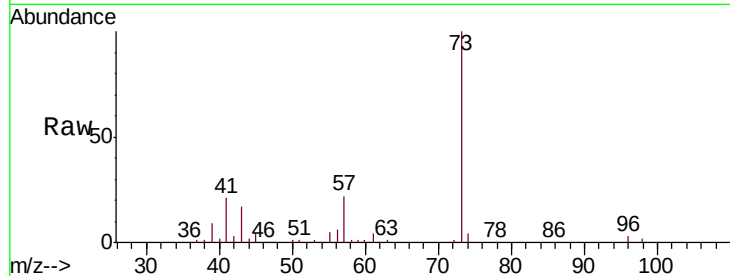
Tgt Ion: 73 Resp: 245648

Ion Ratio Lower Upper

73 100

43 17.8 14.4 21.6

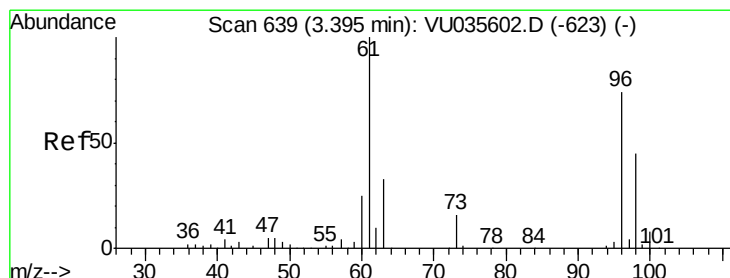
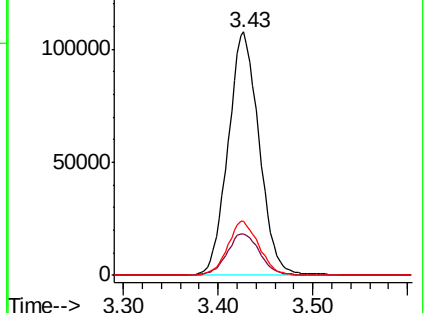
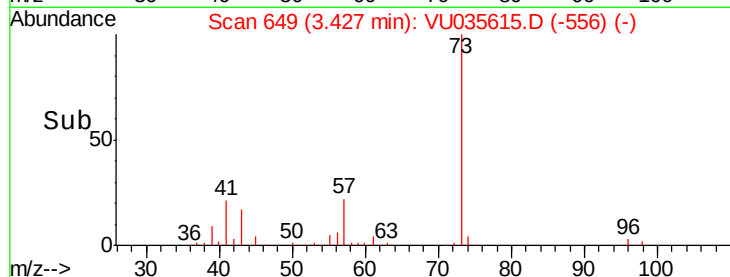
57 22.4 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VU035615.D (-556) (-)

Ion 43.05 (42.75 to 43.75): VU035615.D (-556) (-)

Ion 57.10 (56.80 to 57.80): VU035615.D (-556) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.236 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.00 min

Lab File: VU035615.D

Acq: 04 Nov 2019 18:11

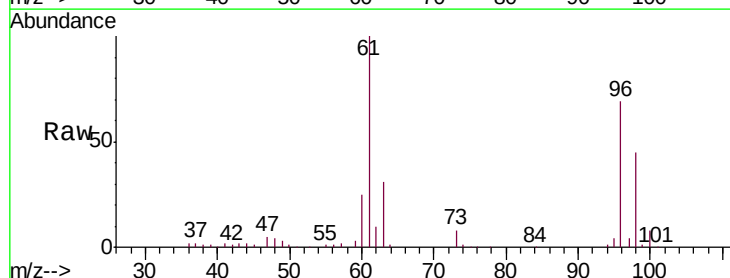
Tgt Ion: 96 Resp: 107325

Ion Ratio Lower Upper

96 100

61 145.3 95.0 176.4

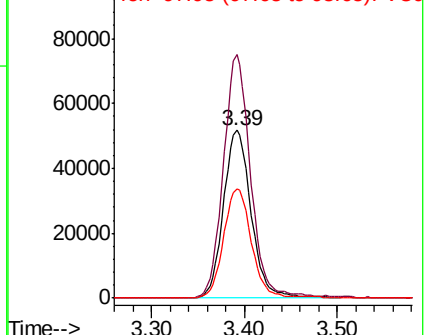
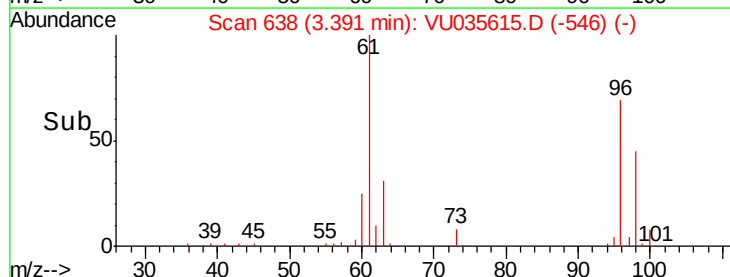
98 65.4 42.5 78.9

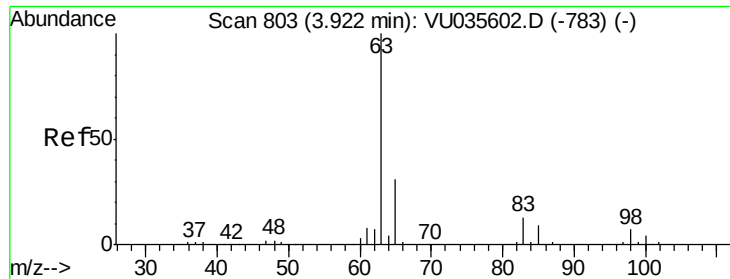


Abundance Ion 96.00 (95.70 to 96.70): VU035615.D (-546) (-)

Ion 61.05 (60.75 to 61.75): VU035615.D (-546) (-)

Ion 97.95 (97.65 to 98.65): VU035615.D (-546) (-)

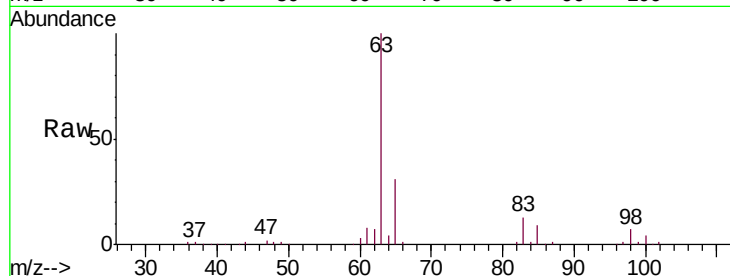




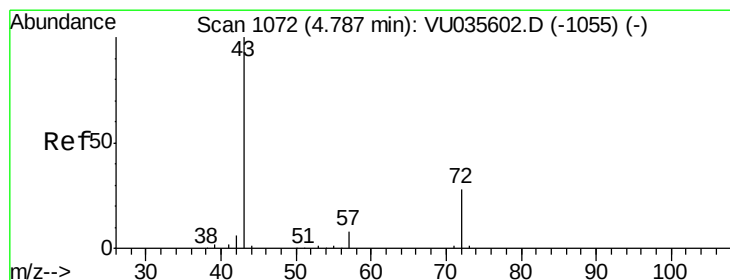
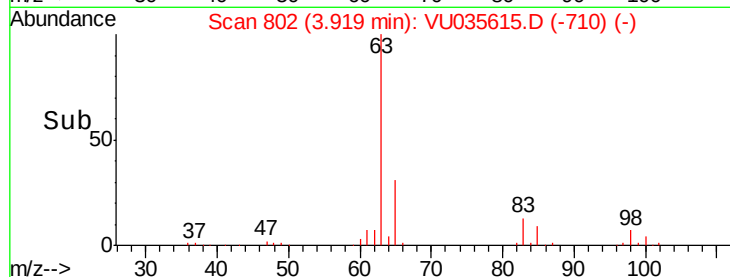
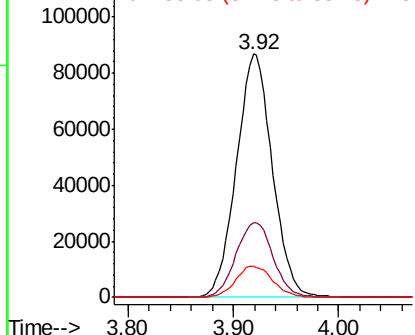
#19
 1,1-Dichloroethane
 Concen: 5.397 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: VU035615.D
 Acq: 04 Nov 2019 18:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tgt Ion: 63 Resp: 205416
 Ion Ratio Lower Upper
 63 100
 65 30.8 22.0 40.8
 83 13.0 9.3 17.3

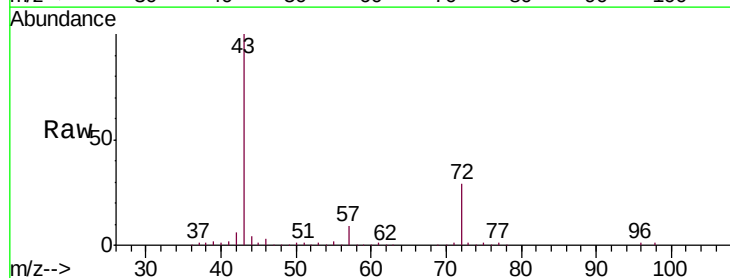


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

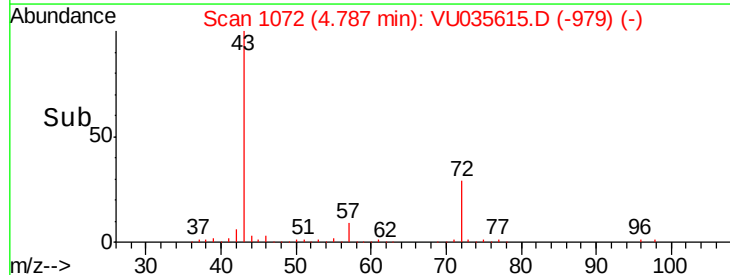
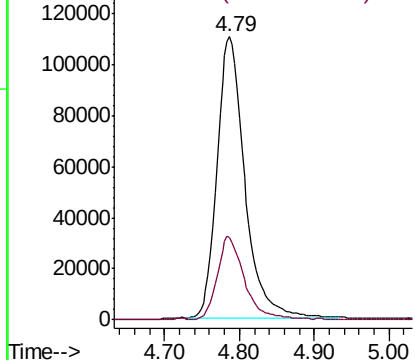


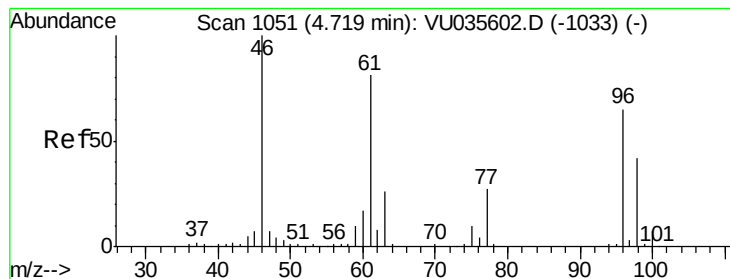
#21
 2-Butanone
 Concen: 51.121 ug/L
 RT: 4.79 min Scan# 1072
 Delta R.T. 0.00 min
 Lab File: VU035615.D
 Acq: 04 Nov 2019 18:11

Tgt Ion: 43 Resp: 281547
 Ion Ratio Lower Upper
 43 100
 72 28.4 14.3 42.9



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 5.193 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035615.D

Acq: 04 Nov 2019 18:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

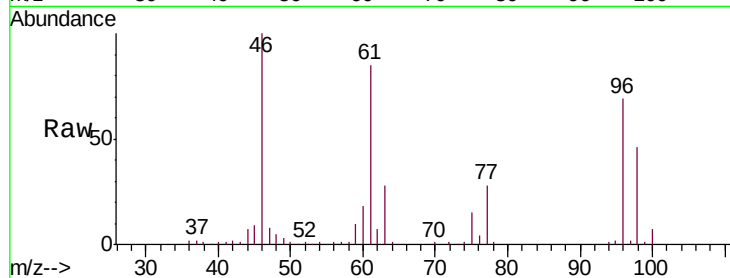
Tgt Ion: 96 Resp: 117549

Ion Ratio Lower Upper

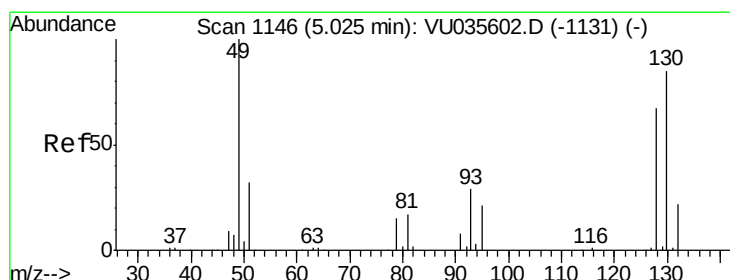
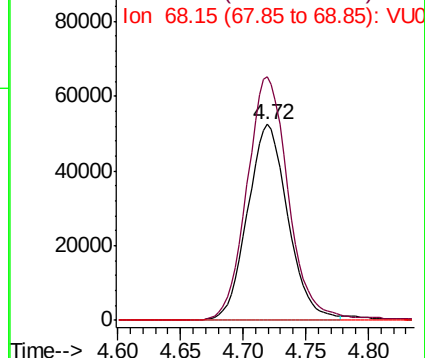
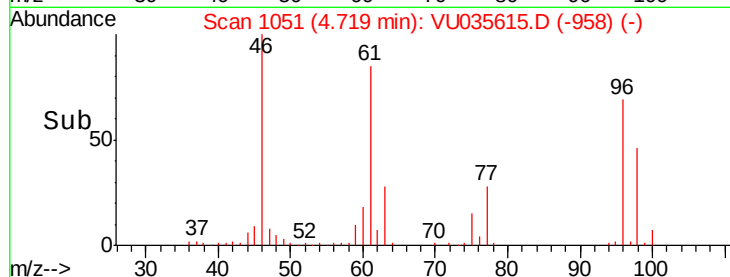
96 100

61 124.2 87.0 161.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035615.D (-958) (-)



#23

Bromochloromethane

Concen: 5.250 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU035615.D

Acq: 04 Nov 2019 18:11

Tgt Ion: 128 Resp: 56292

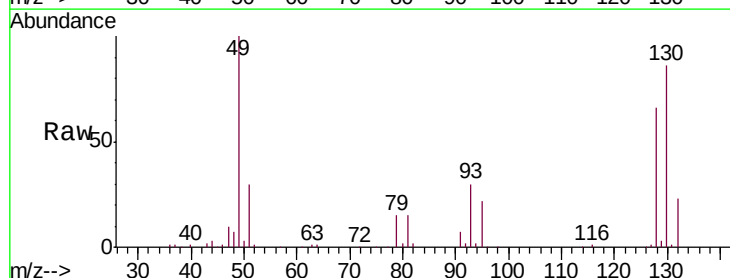
Ion Ratio Lower Upper

128 100

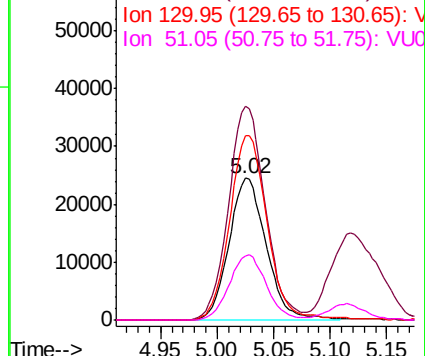
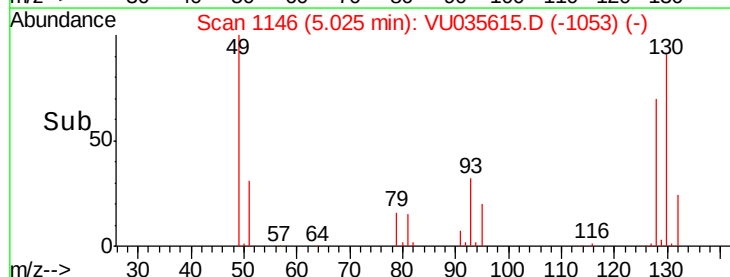
49 150.7 104.1 193.3

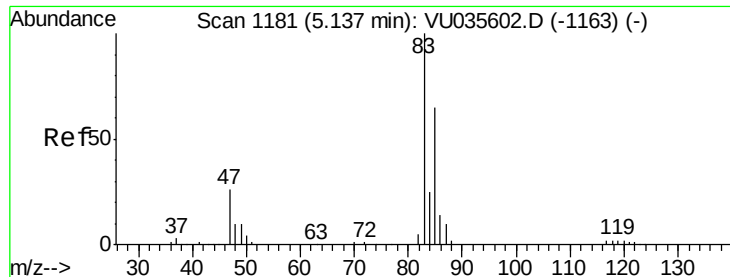
130 129.7 88.4 164.2

51 45.6 37.7 56.5



Abundance Ion 127.90 (127.60 to 128.60): VU035615.D (-1053) (-)

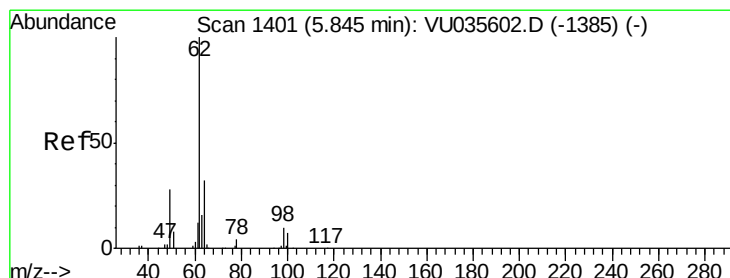
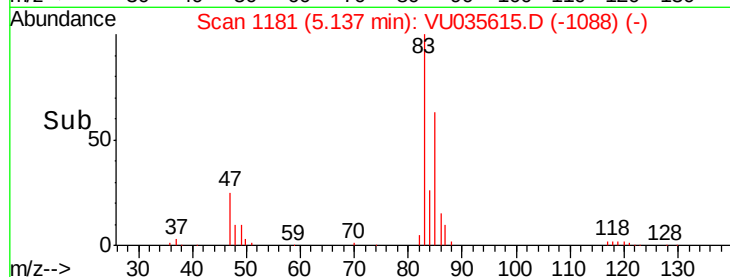
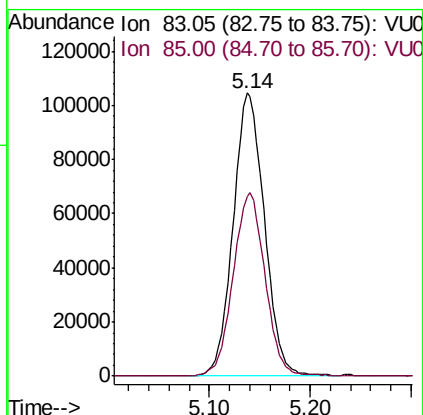
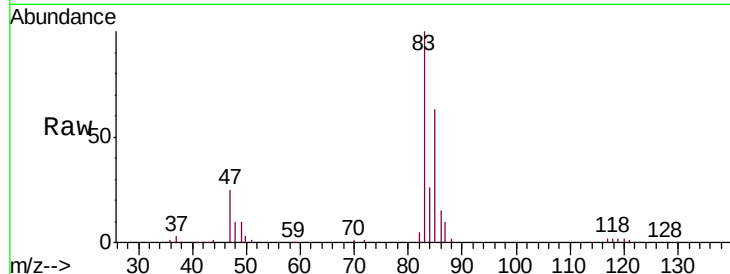




#25
Chloroform
Concen: 5.442 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU035615.D
Acq: 04 Nov 2019 18:11

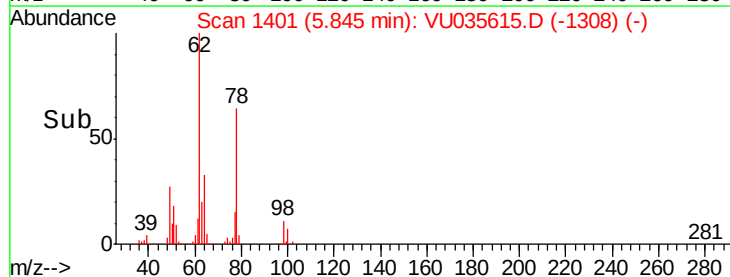
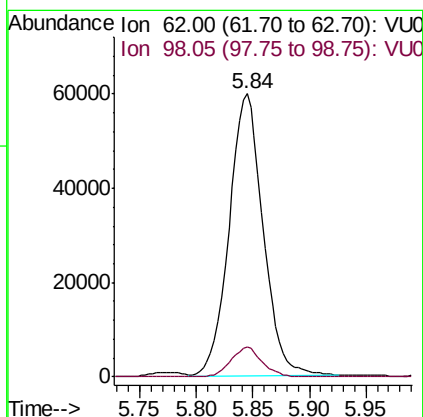
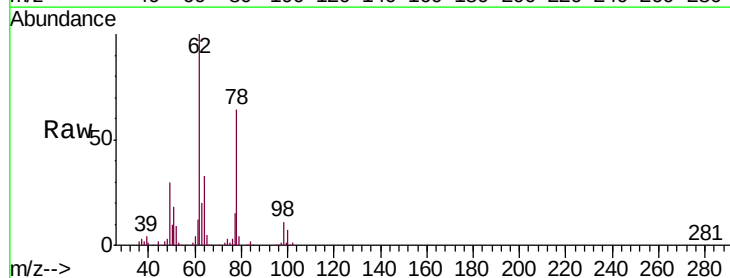
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

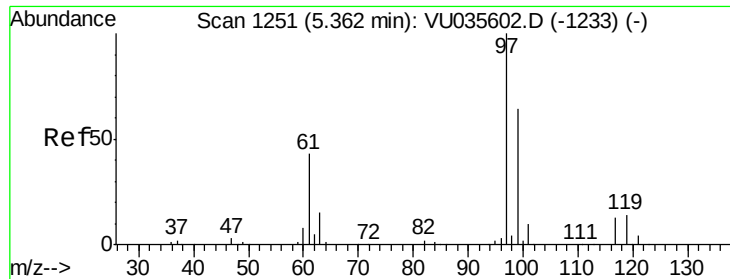
Tgt Ion: 83 Resp: 225247
Ion Ratio Lower Upper
83 100
85 63.3 45.4 84.2



#27
1,2-Dichloroethane
Concen: 5.425 ug/L
RT: 5.84 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VU035615.D
Acq: 04 Nov 2019 18:11

Tgt Ion: 62 Resp: 124965
Ion Ratio Lower Upper
62 100
98 10.7 8.0 12.0

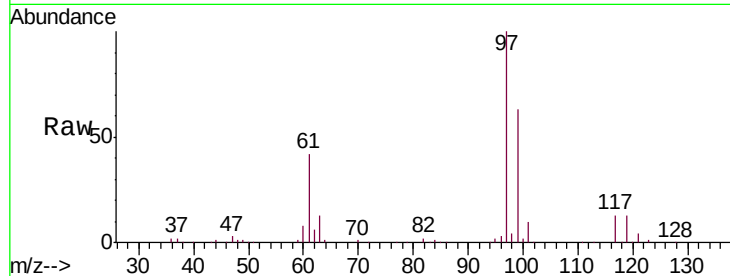




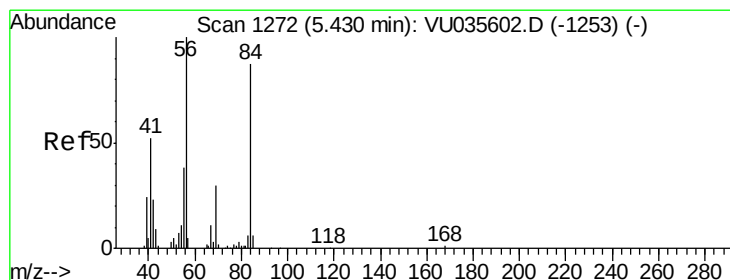
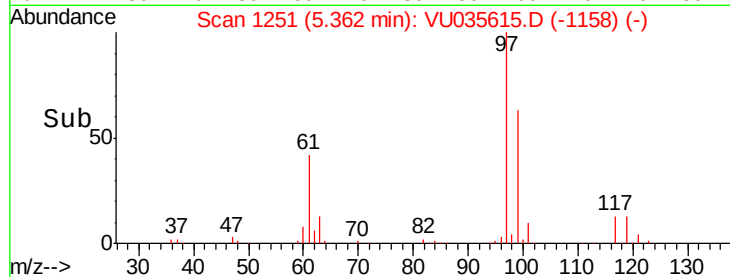
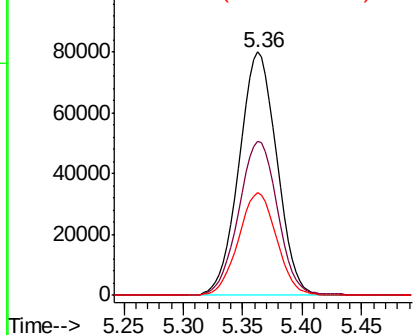
#29
 1,1,1-Trichloroethane
 Concen: 5.384 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU035615.D
 Acq: 04 Nov 2019 18:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tgt Ion: 97 Resp: 176233
 Ion Ratio Lower Upper
 97 100
 99 65.5 51.3 76.9
 61 42.7 34.4 51.6

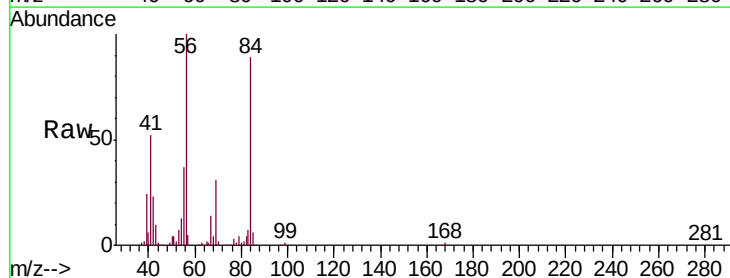


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

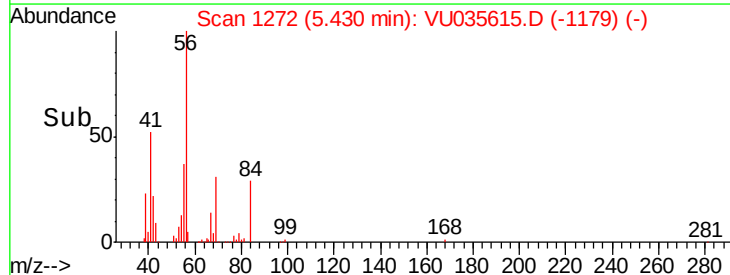
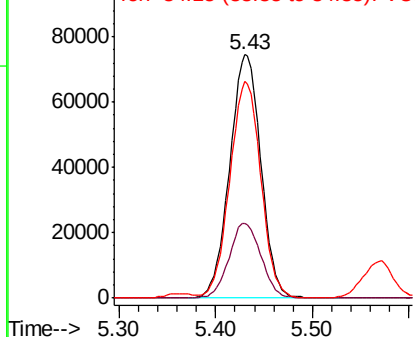


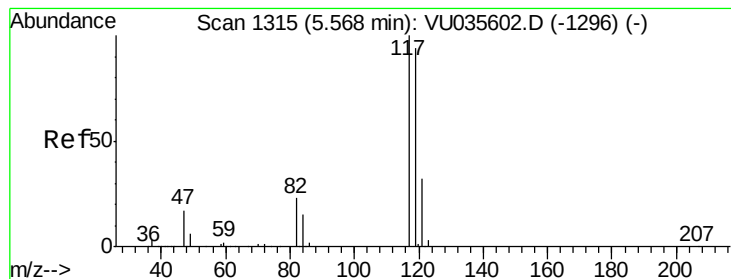
#30
 Cyclohexane
 Concen: 5.091 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU035615.D
 Acq: 04 Nov 2019 18:11

Tgt Ion: 56 Resp: 166628
 Ion Ratio Lower Upper
 56 100
 69 31.5 24.6 37.0
 84 88.8 69.7 104.5



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.394 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035615.D

Acq: 04 Nov 2019 18:11

Instrument :

MSVOA_U

ClientSampleId :

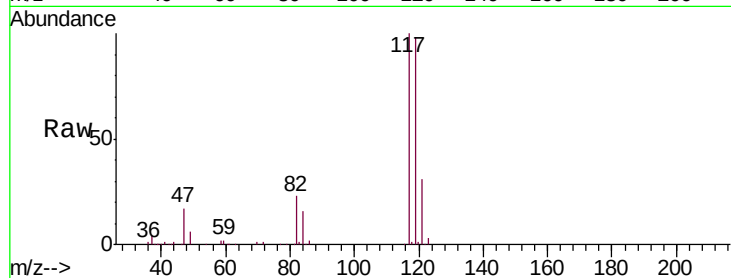
VSTD00520

Tgt Ion:117 Resp: 159129

Ion Ratio Lower Upper

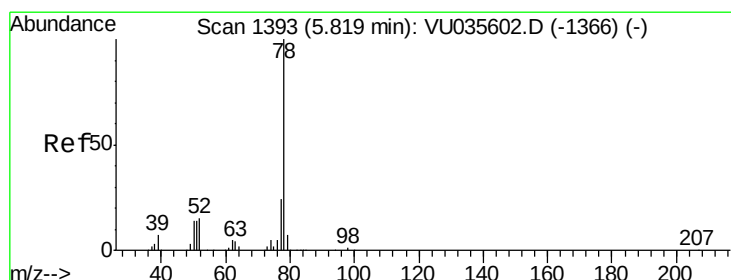
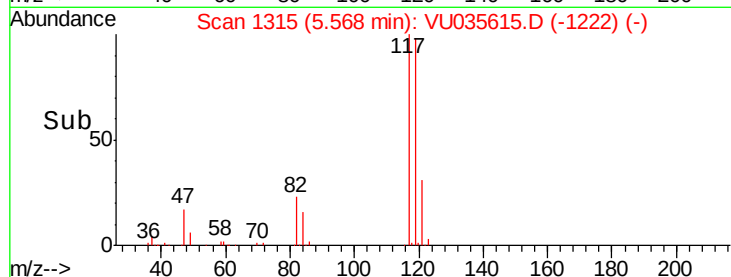
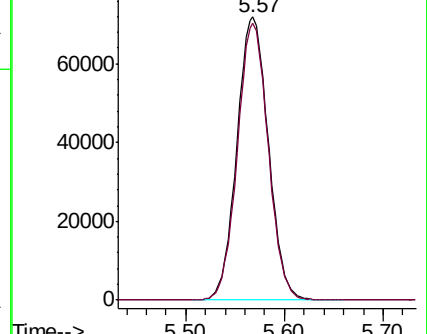
117 100

119 95.6 75.3 112.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.285 ug/L

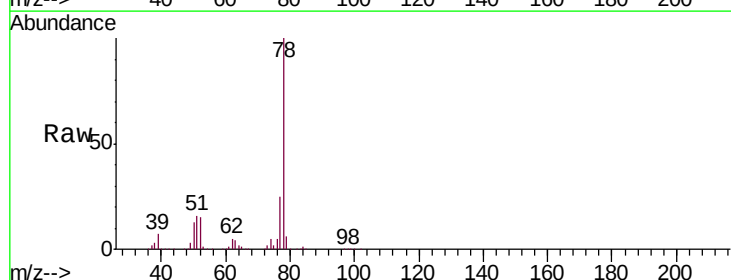
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

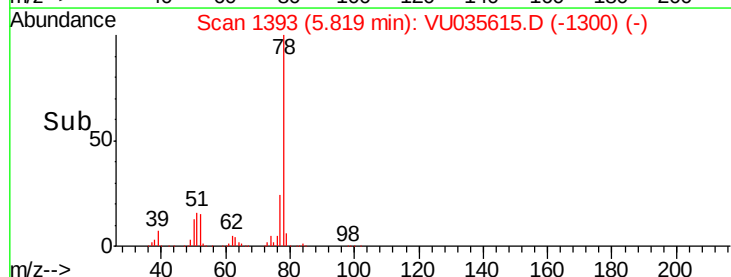
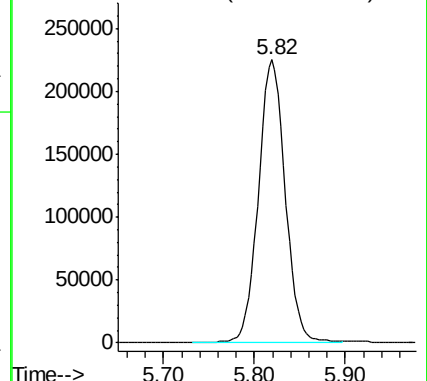
Lab File: VU035615.D

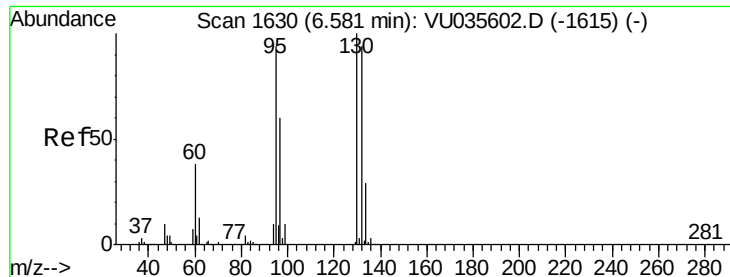
Acq: 04 Nov 2019 18:11

Tgt Ion: 78 Resp: 462474



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.278 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035615.D

Acq: 04 Nov 2019 18:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

Tgt Ion: 95 Resp: 118210

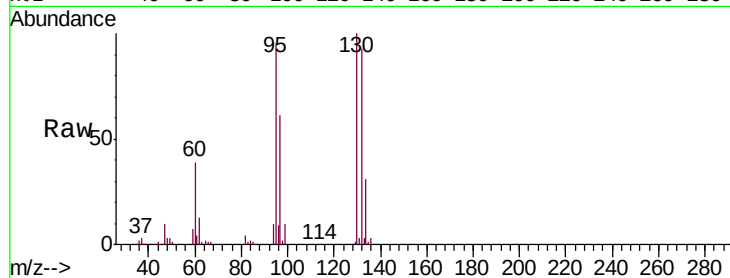
Ion Ratio Lower Upper

95 100

97 64.1 44.5 82.7

132 97.6 69.9 129.7

130 104.9 74.1 137.7

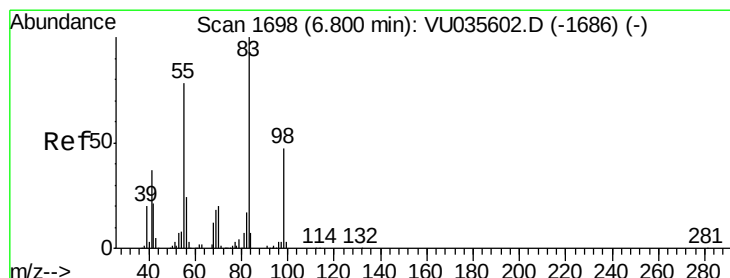
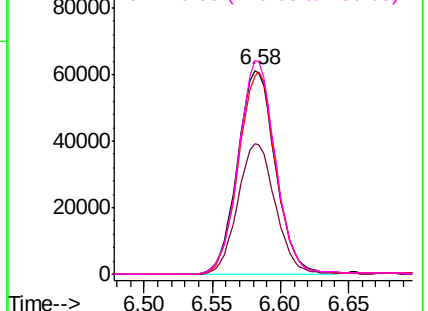
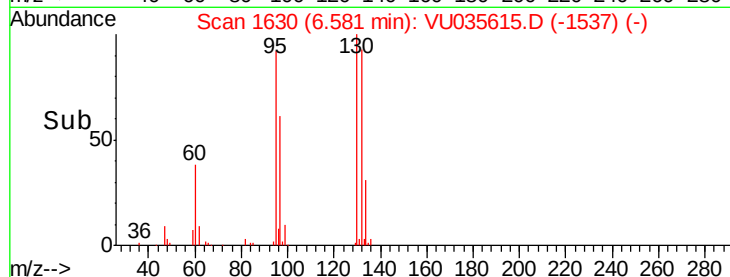


Abundance Ion 95.00 (94.70 to 95.70): VU035615.D (-1537) (-)

Ion 96.95 (96.65 to 97.65): VU035615.D (-1537) (-)

Ion 131.95 (131.65 to 132.65): VU035615.D (-1537) (-)

Ion 129.95 (129.65 to 130.65): VU035615.D (-1537) (-)



#35

Methylcyclohexane

Concen: 5.026 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU035615.D

Acq: 04 Nov 2019 18:11

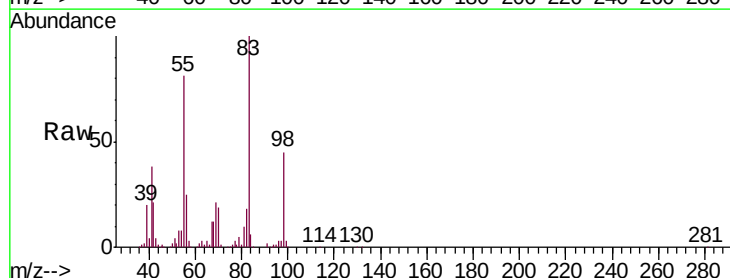
Tgt Ion: 83 Resp: 171480

Ion Ratio Lower Upper

83 100

55 78.7 62.6 93.8

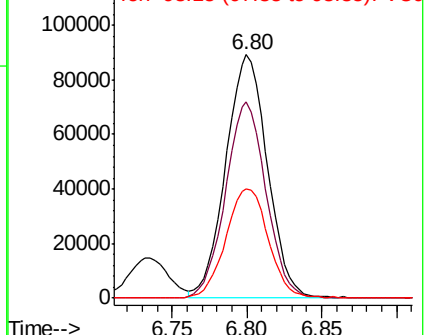
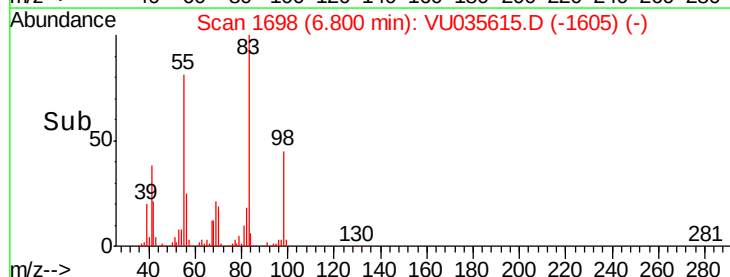
98 45.8 37.2 55.8

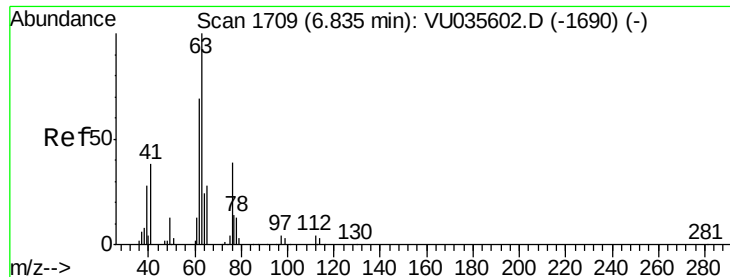


Abundance Ion 83.15 (82.85 to 83.85): VU035615.D (-1605) (-)

Ion 55.10 (54.80 to 55.80): VU035615.D (-1605) (-)

Ion 98.15 (97.85 to 98.85): VU035615.D (-1605) (-)

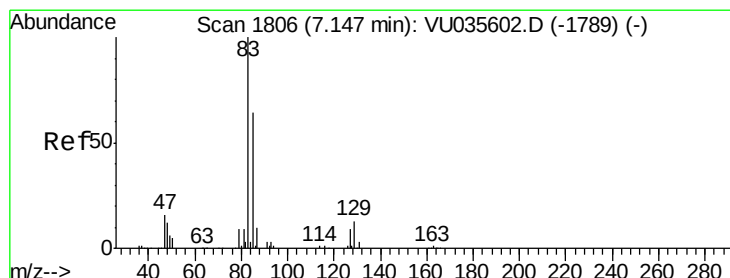
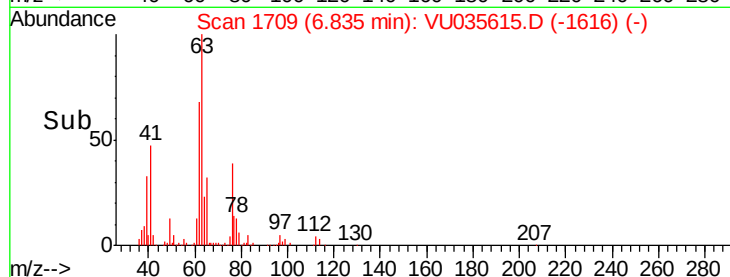
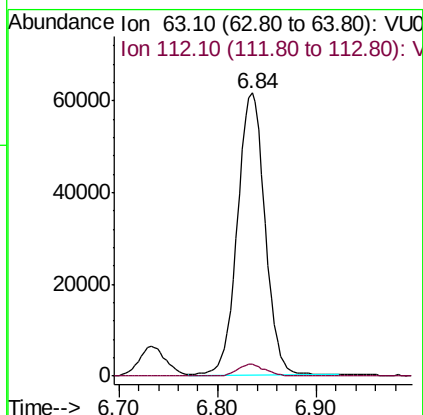
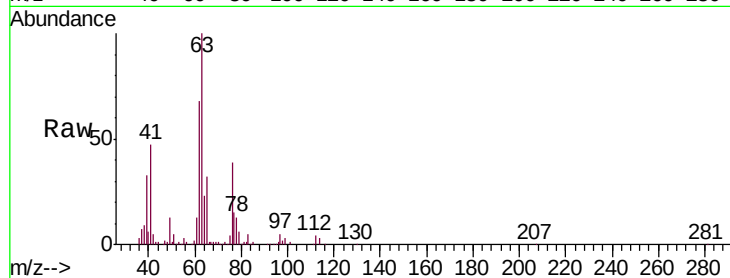




#37
 1,2-Dichloropropane
 Concen: 5.190 ug/L
 RT: 6.84 min Scan# 1709
 Delta R.T. 0.00 min
 Lab File: VU035615.D
 Acq: 04 Nov 2019 18:11

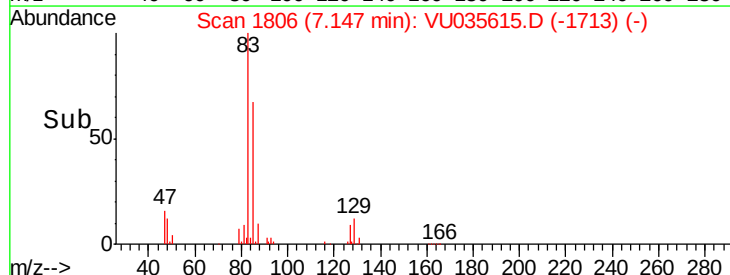
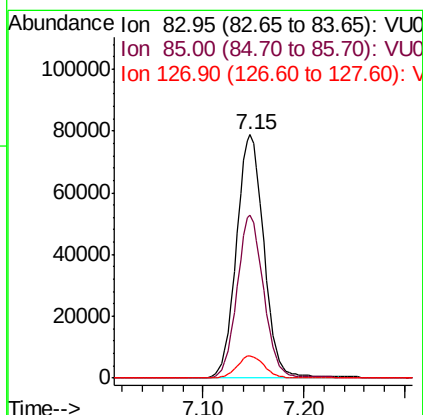
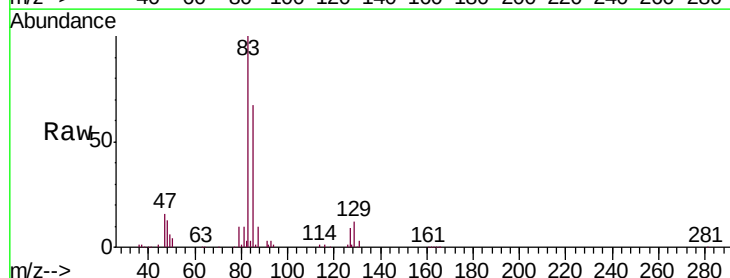
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

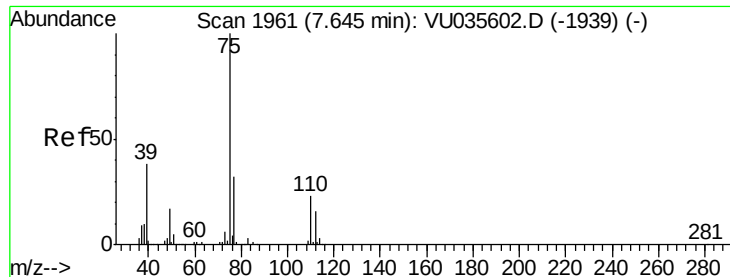
Tgt Ion: 63 Resp: 119674
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.4 5.2



#38
 Bromodichloromethane
 Concen: 5.307 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VU035615.D
 Acq: 04 Nov 2019 18:11

Tgt Ion: 83 Resp: 148049
 Ion Ratio Lower Upper
 83 100
 85 67.1 44.7 82.9
 127 9.3 7.1 10.7

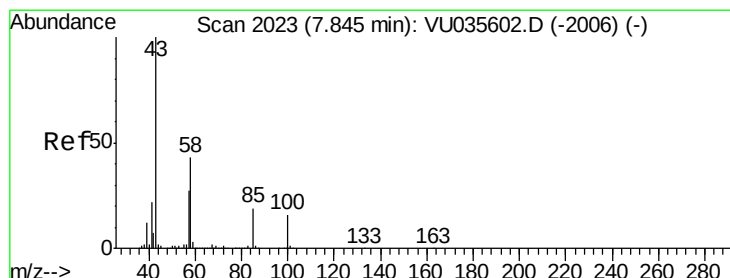
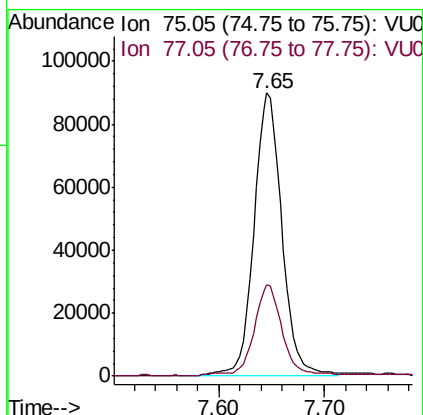
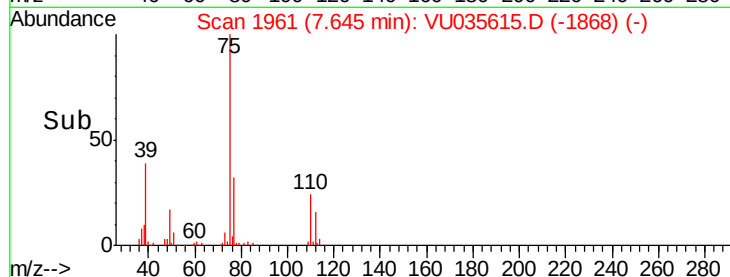
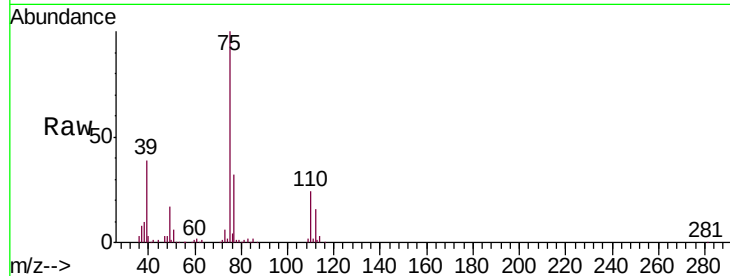




#39
 cis-1,3-Dichloropropene
 Concen: 5.062 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU035615.D
 Acq: 04 Nov 2019 18:11

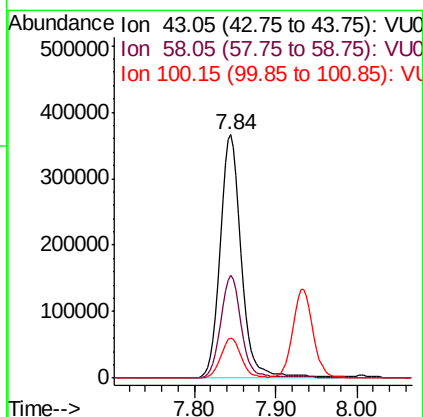
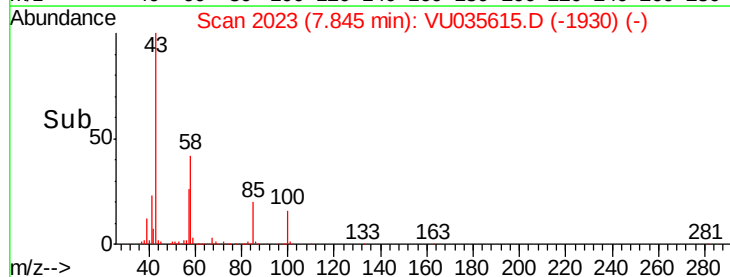
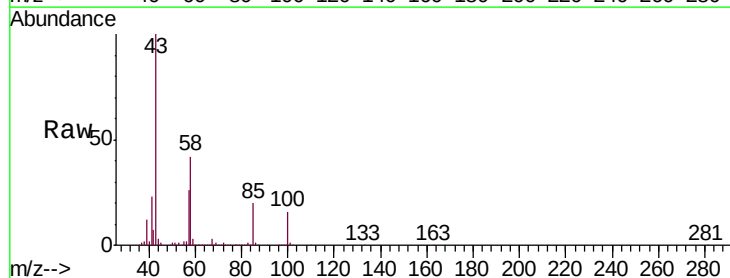
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

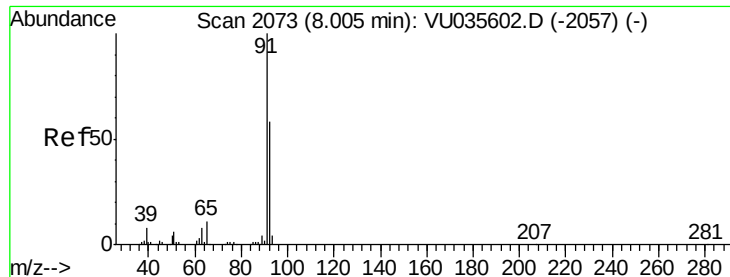
Tgt Ion: 75 Resp: 166572
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 51.078 ug/L
 RT: 7.84 min Scan# 2023
 Delta R.T. 0.00 min
 Lab File: VU035615.D
 Acq: 04 Nov 2019 18:11

Tgt Ion: 43 Resp: 677234
 Ion Ratio Lower Upper
 43 100
 58 40.9 33.4 50.2
 100 15.9 12.7 19.1





#42

Toluene

Concen: 5.444 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035615.D

Acq: 04 Nov 2019 18:11

Instrument :

MSVOA_U

ClientSampleId :

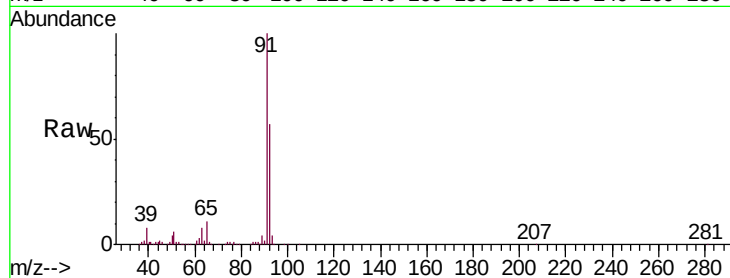
VSTD00520

Tgt Ion: 91 Resp: 501244

Ion Ratio Lower Upper

91 100

92 57.4 40.5 75.3



Abundance Ion 91.15 (90.85 to 91.85): VU035602.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU035602.D (-2057) (-)

8.01

300000

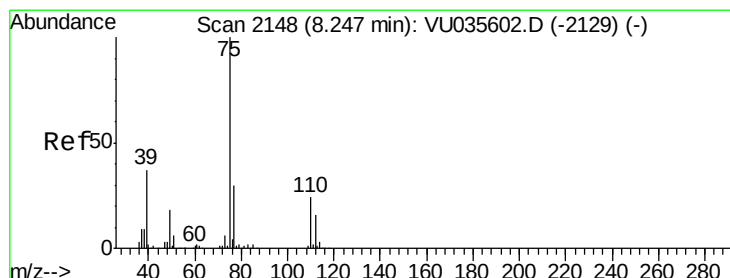
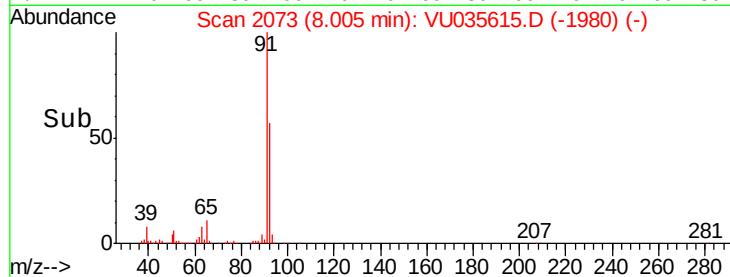
200000

100000

0

7.90 8.00 8.10

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.177 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU035615.D

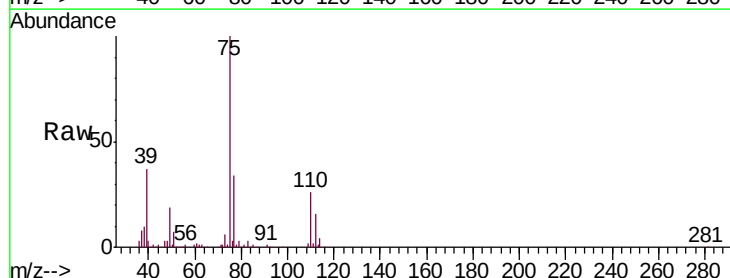
Acq: 04 Nov 2019 18:11

Tgt Ion: 75 Resp: 136228

Ion Ratio Lower Upper

75 100

77 33.6 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU035602.D (-2129) (-)

Ion 77.05 (76.75 to 77.75): VU035602.D (-2129) (-)

8.25

80000

60000

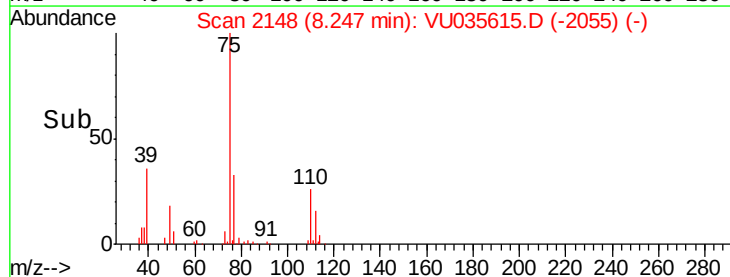
40000

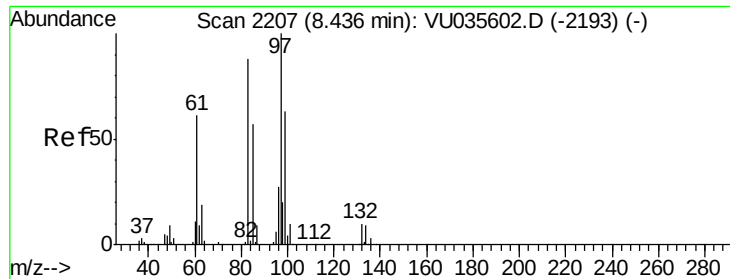
20000

0

8.15 8.20 8.25 8.30 8.35

Time-->

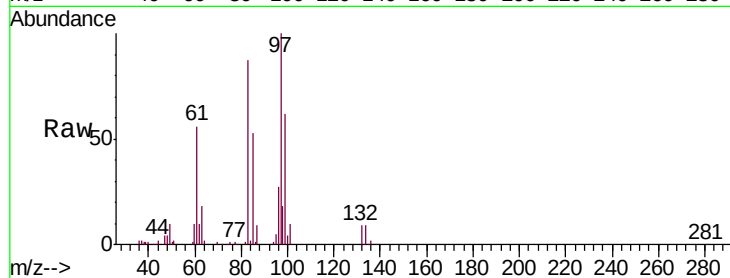




#45
 1,1,2-Trichloroethane
 Concen: 5.347 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU035615.D
 Acq: 04 Nov 2019 18:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tgt Ion:	97	Resp:	88291
Ion	Ratio	Lower	Upper
97	100		
99	61.7	43.8	81.4
83	87.0	61.6	114.4
85	53.3	40.0	74.4



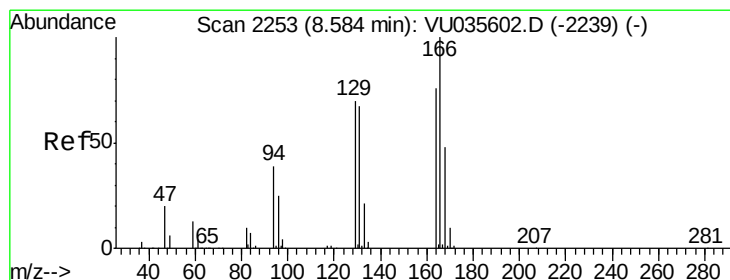
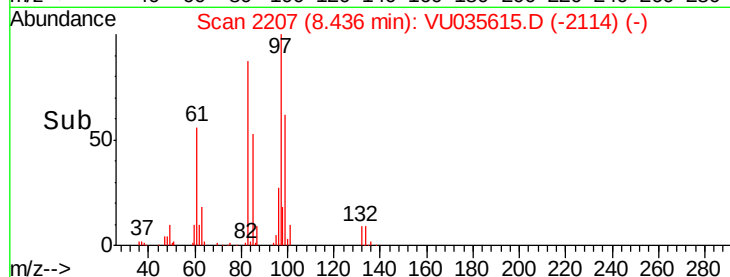
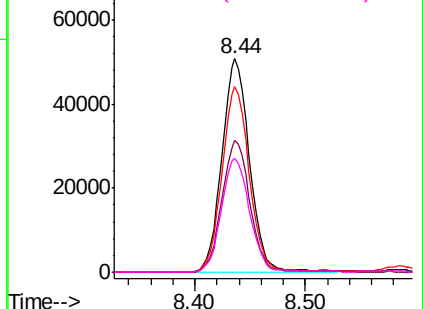
Abundance

Ion 96.95 (96.65 to 97.65): VU035615.D (-2114) (-)

Ion 99.05 (98.75 to 99.75): VU035615.D (-2114) (-)

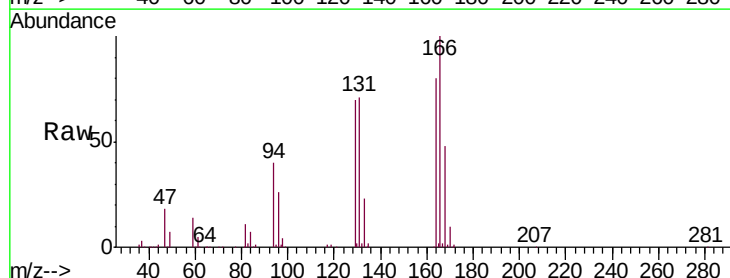
Ion 82.95 (82.65 to 83.65): VU035615.D (-2114) (-)

Ion 85.00 (84.70 to 85.70): VU035615.D (-2114) (-)



#47
 Tetrachloroethene
 Concen: 5.311 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU035615.D
 Acq: 04 Nov 2019 18:11

Tgt Ion:	164	Resp:	103647
Ion	Ratio	Lower	Upper
164	100		
129	87.7	64.7	120.1
131	89.3	61.6	114.4
166	125.1	91.8	170.4



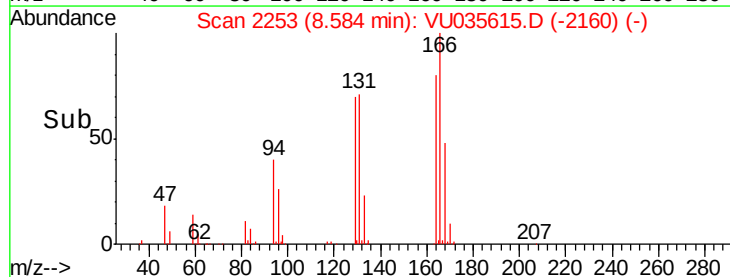
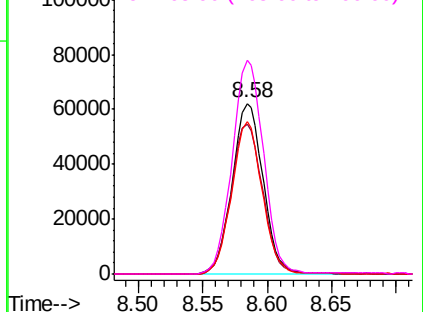
Abundance

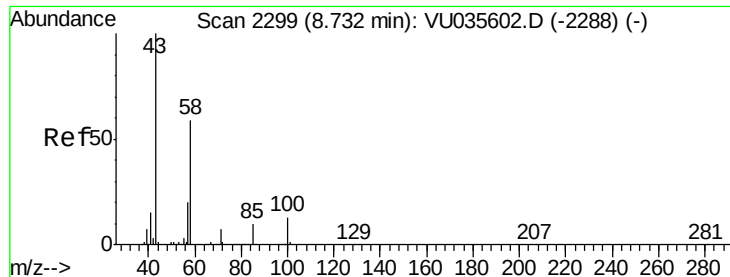
Ion 163.90 (163.60 to 164.60): VU035615.D (-2160) (-)

Ion 128.95 (128.65 to 129.65): VU035615.D (-2160) (-)

Ion 130.95 (130.65 to 131.65): VU035615.D (-2160) (-)

Ion 165.90 (165.60 to 166.60): VU035615.D (-2160) (-)

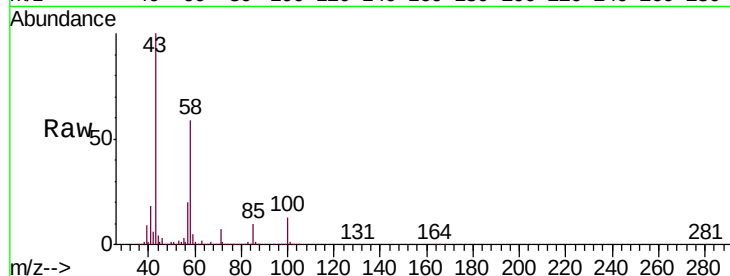




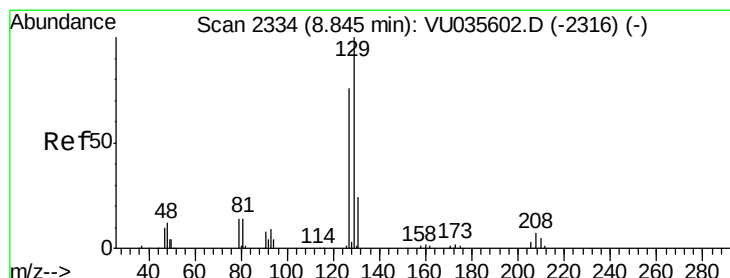
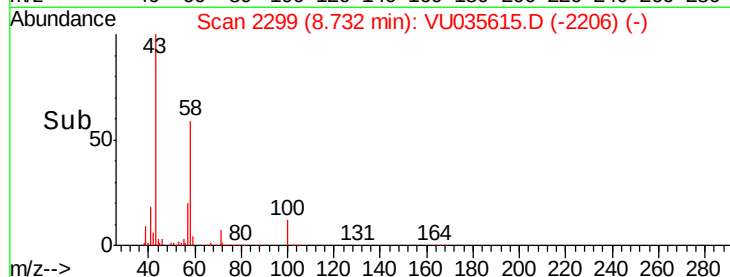
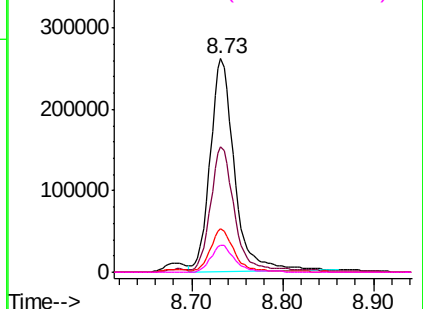
#48
2-Hexanone
Concen: 51.171 ug/L
RT: 8.73 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VU035615.D
Acq: 04 Nov 2019 18:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tgt Ion:	43	Resp:	482188
Ion	Ratio	Lower	Upper
43	100		
58	56.8	44.1	66.1
57	19.5	15.1	22.7
100	12.3	9.4	14.2

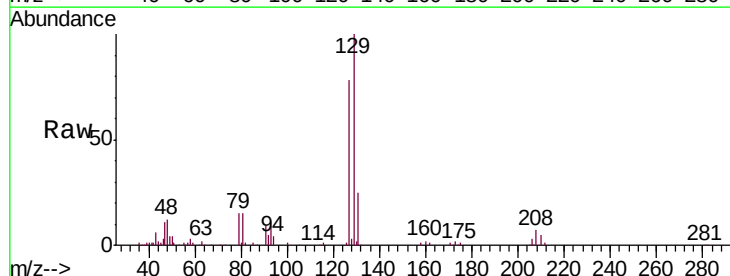


Abundance Ion 43.05 (42.75 to 43.75): VU035615.D (-2206) (-)
Ion 58.05 (57.75 to 58.75): VU035615.D (-2206) (-)
Ion 57.20 (56.90 to 57.90): VU035615.D (-2206) (-)
Ion 100.15 (99.85 to 100.85): VU035615.D (-2206) (-)

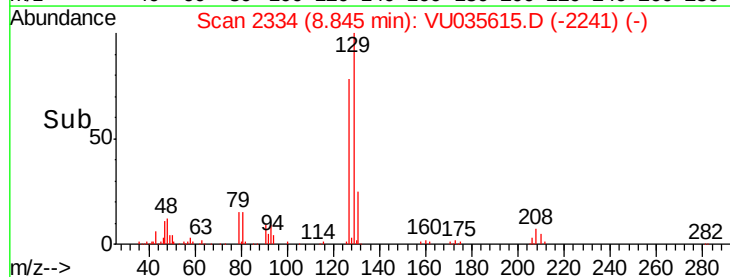
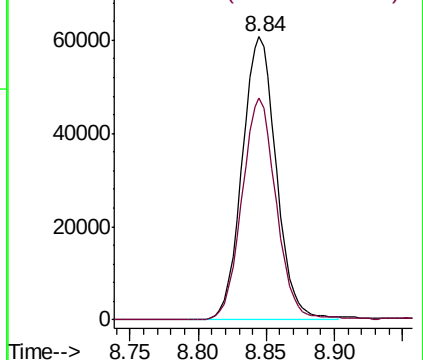


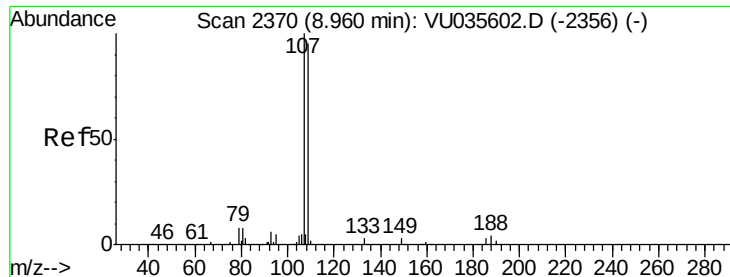
#49
Dibromochloromethane
Concen: 5.187 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035615.D
Acq: 04 Nov 2019 18:11

Tgt Ion:	129	Resp:	105655
Ion	Ratio	Lower	Upper
129	100		
127	78.5	53.1	98.5



Abundance Ion 128.95 (128.65 to 129.65): VU035615.D (-2241) (-)
Ion 126.90 (126.60 to 127.60): VU035615.D (-2241) (-)

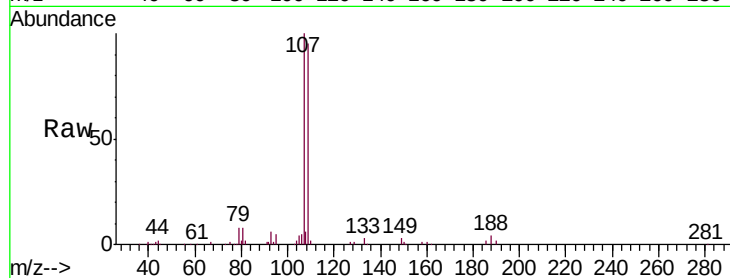




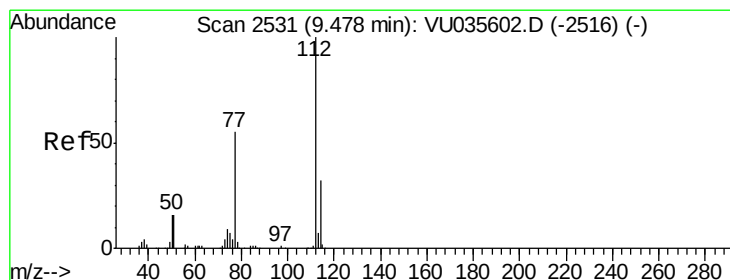
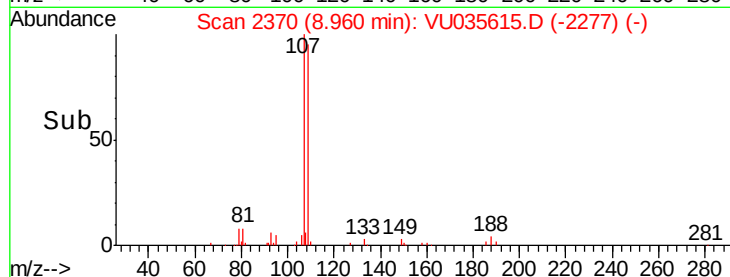
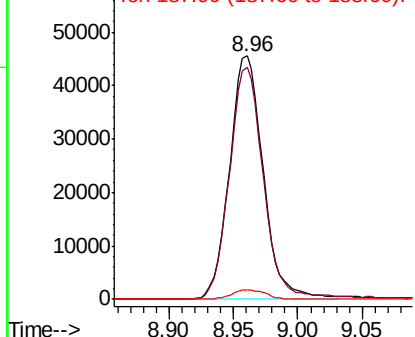
#50
1,2-Dibromoethane
Concen: 5.291 ug/L
RT: 8.96 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VU035615.D
Acq: 04 Nov 2019 18:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tgt Ion:107 Resp: 82902
Ion Ratio Lower Upper
107 100
109 95.2 66.5 123.5
188 3.9 3.1 4.7

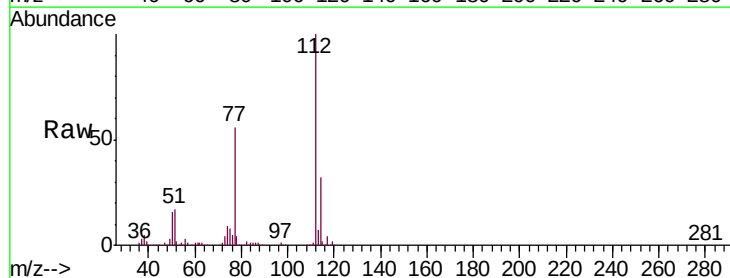


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

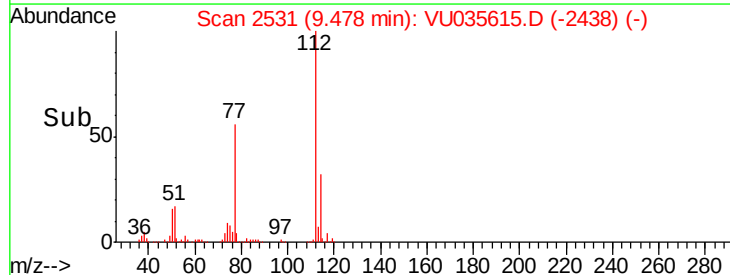
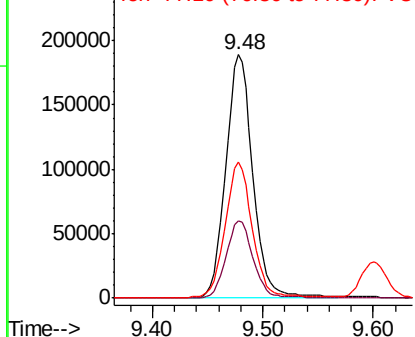


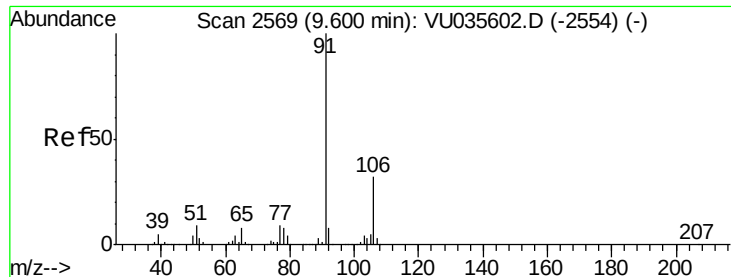
#51
Chlorobenzene
Concen: 5.320 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU035615.D
Acq: 04 Nov 2019 18:11

Tgt Ion:112 Resp: 321629
Ion Ratio Lower Upper
112 100
114 31.9 22.3 41.5
77 55.7 44.3 66.5



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.149 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035615.D

Acq: 04 Nov 2019 18:11

Instrument :

MSVOA_U

ClientSampleId :

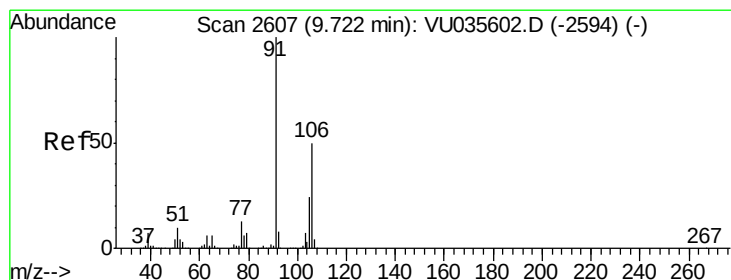
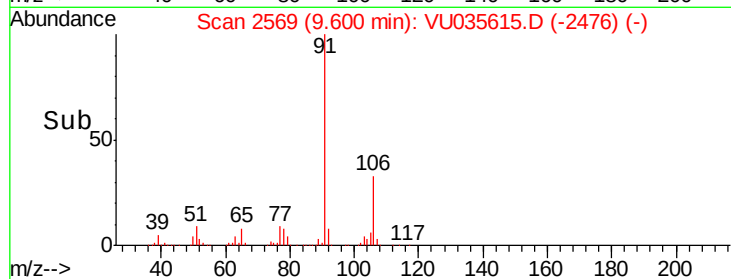
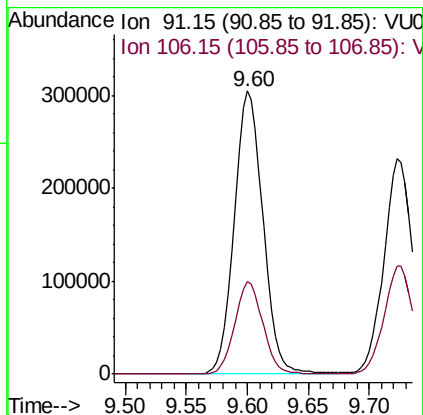
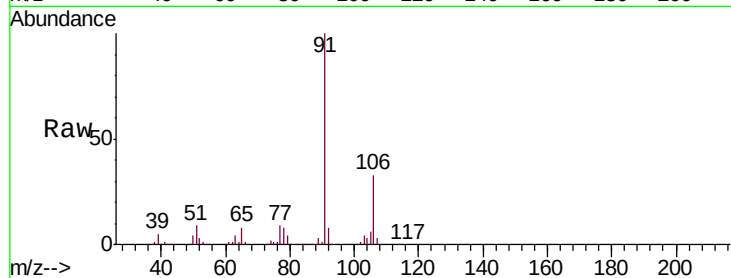
VSTD00520

Tgt Ion: 91 Resp: 498890

Ion Ratio Lower Upper

91 100

106 32.7 22.4 41.6



#53

m,p-Xylene

Concen: 5.465 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU035615.D

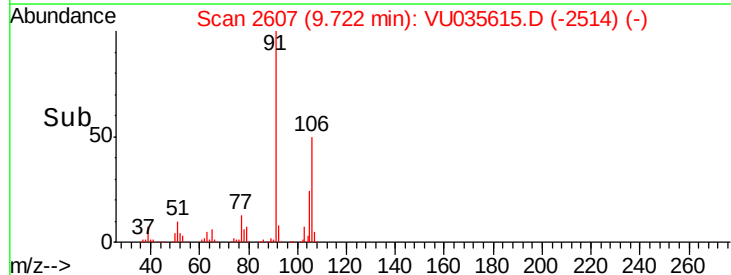
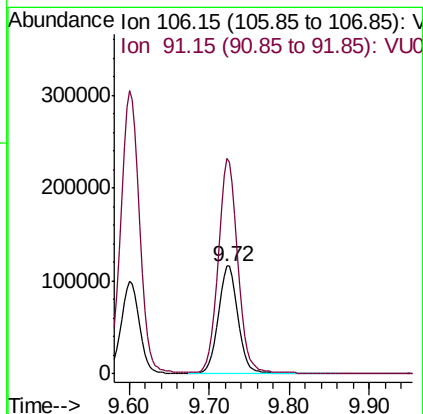
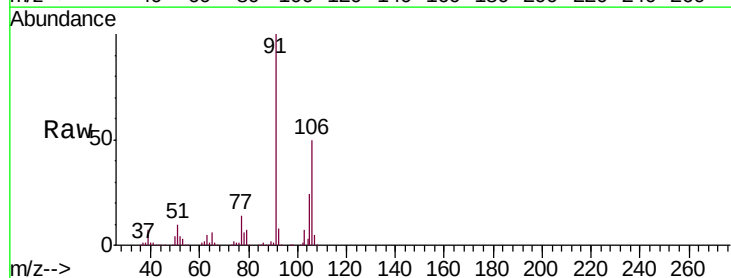
Acq: 04 Nov 2019 18:11

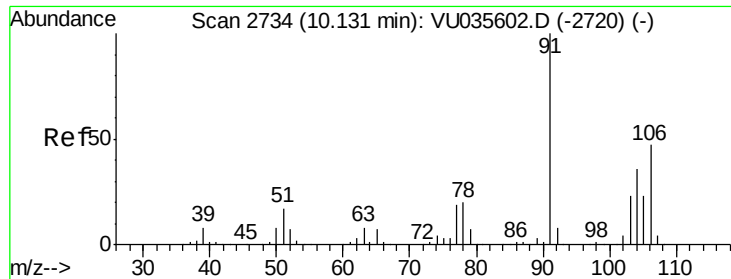
Tgt Ion: 106 Resp: 200515

Ion Ratio Lower Upper

106 100

91 200.2 139.4 259.0

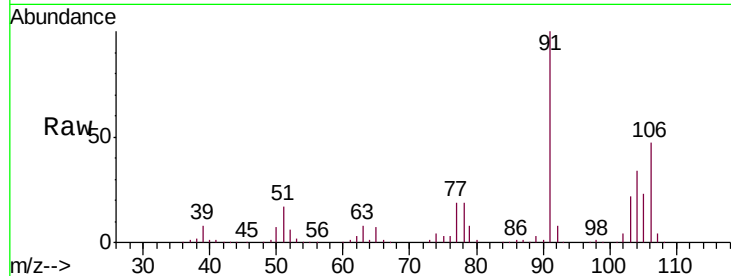




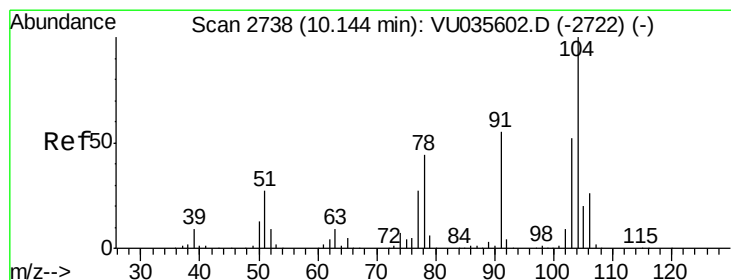
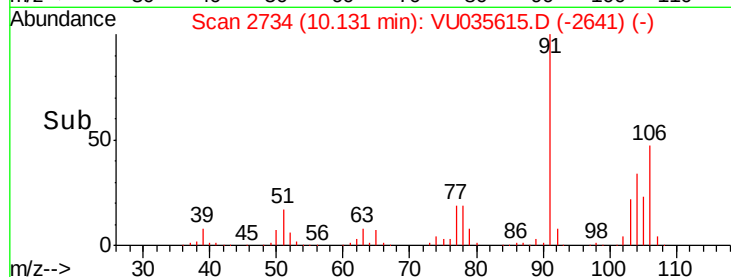
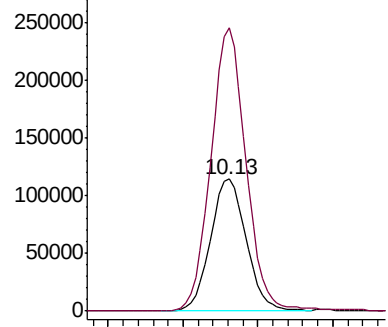
#54
o-Xylene
Concen: 5.390 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU035615.D
Acq: 04 Nov 2019 18:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tgt Ion:106 Resp: 191112
Ion Ratio Lower Upper
106 100
91 214.5 147.7 274.3

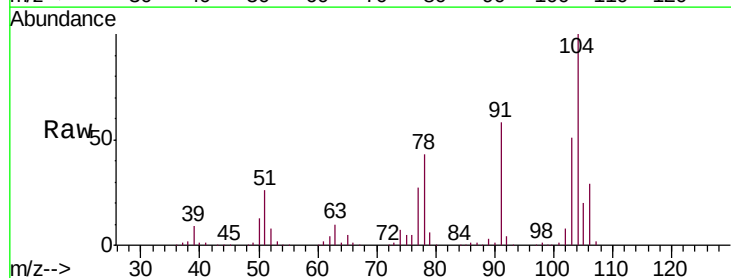


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

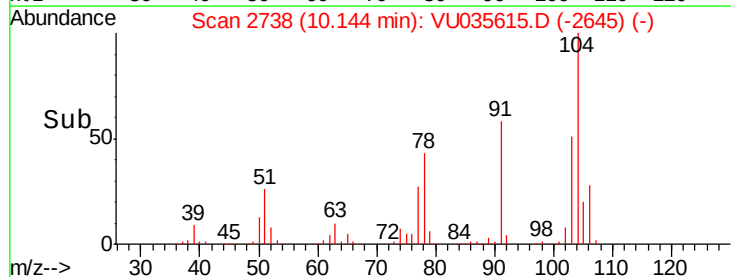
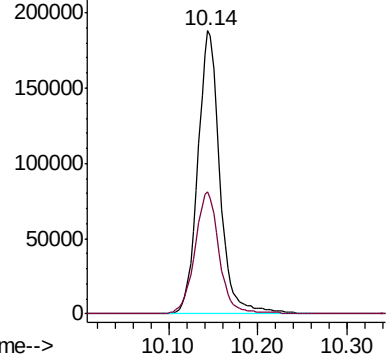


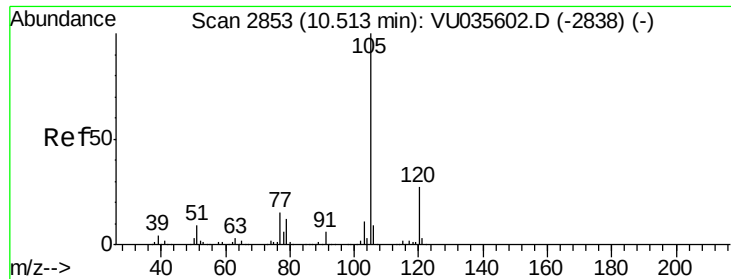
#55
Styrene
Concen: 5.498 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU035615.D
Acq: 04 Nov 2019 18:11

Tgt Ion:104 Resp: 322334
Ion Ratio Lower Upper
104 100
78 43.2 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.280 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035615.D

Acq: 04 Nov 2019 18:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

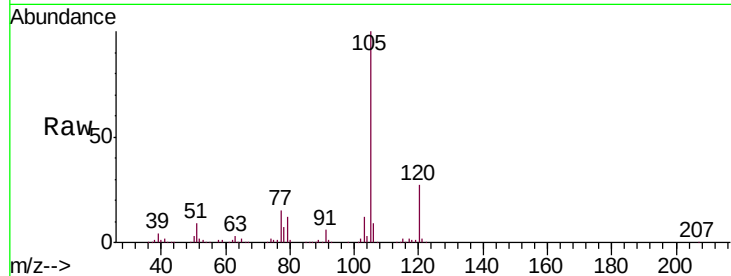
Tgt Ion:105 Resp: 494047

Ion Ratio Lower Upper

105 100

120 27.2 21.4 32.2

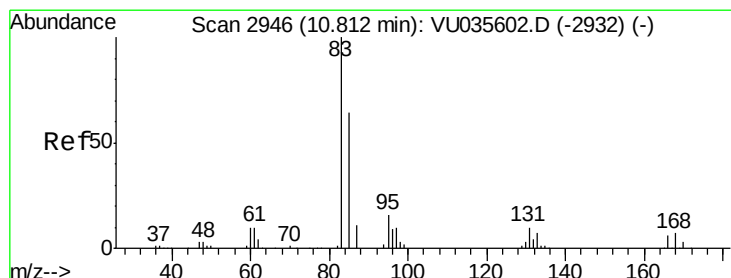
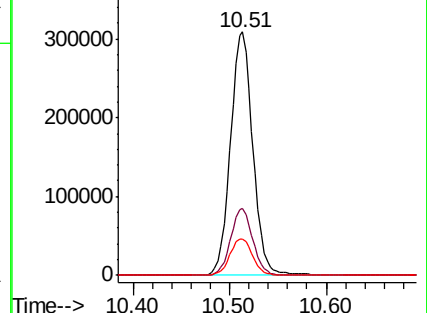
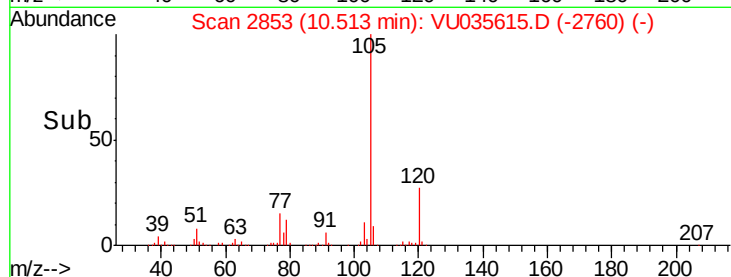
77 15.5 11.8 17.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.144 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VU035615.D

Acq: 04 Nov 2019 18:11

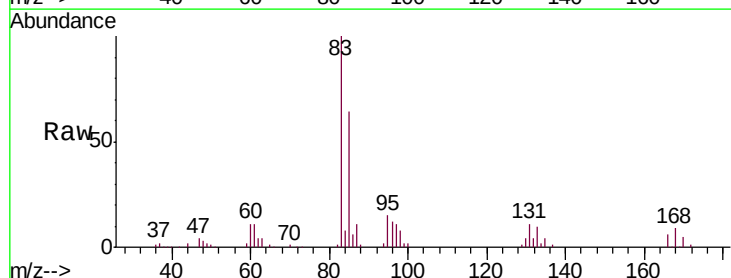
Tgt Ion: 83 Resp: 110985

Ion Ratio Lower Upper

83 100

85 63.5 45.2 84.0

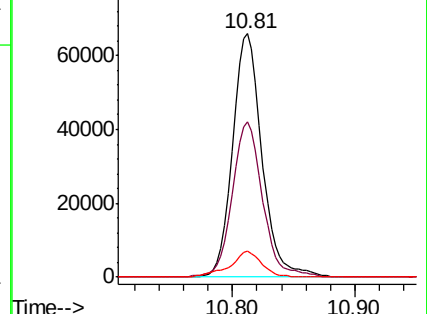
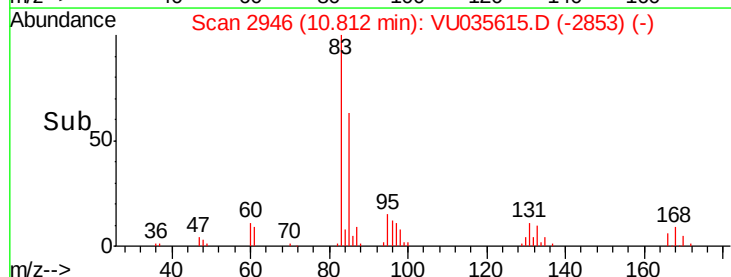
131 10.5 8.2 12.4

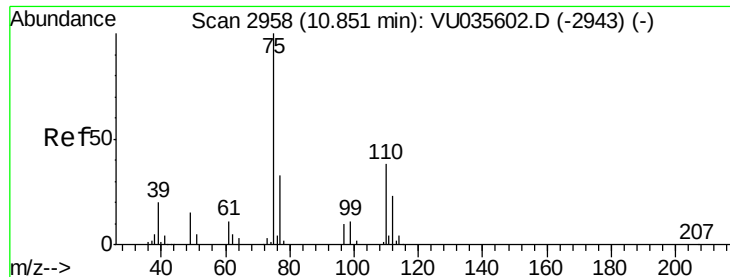


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.158 ug/L

RT: 10.85 min Scan# 2959

Delta R.T. 0.00 min

Lab File: VU035615.D

Acq: 04 Nov 2019 18:11

Instrument :

MSVOA_U

ClientSampleId :

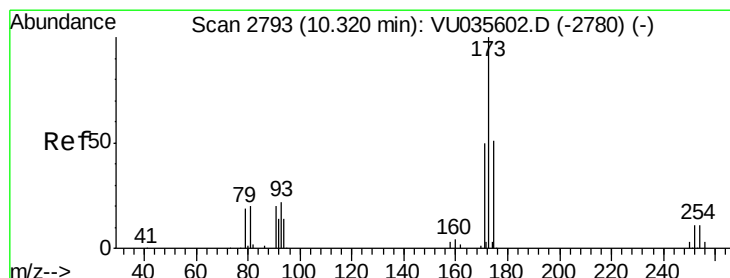
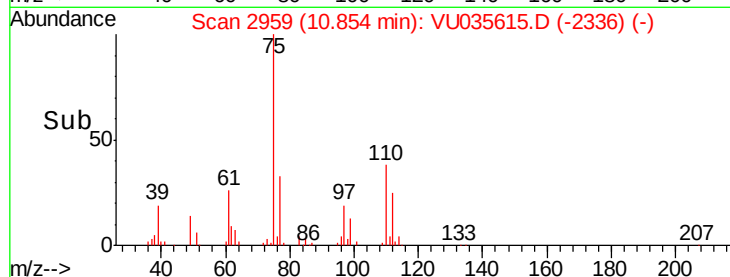
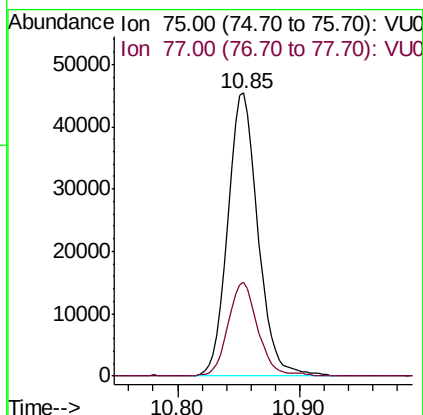
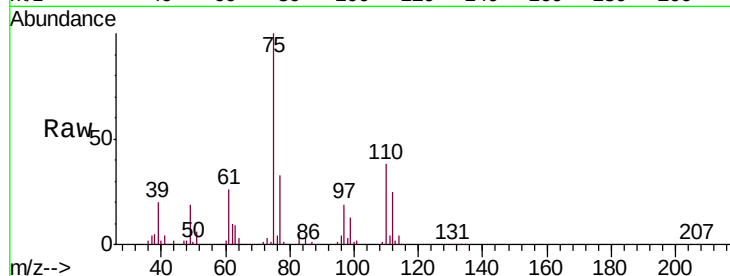
VSTD00520

Tgt Ion: 75 Resp: 78660

Ion Ratio Lower Upper

75 100

77 32.7 26.8 40.2



#61

Bromoform

Concen: 4.851 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU035615.D

Acq: 04 Nov 2019 18:11

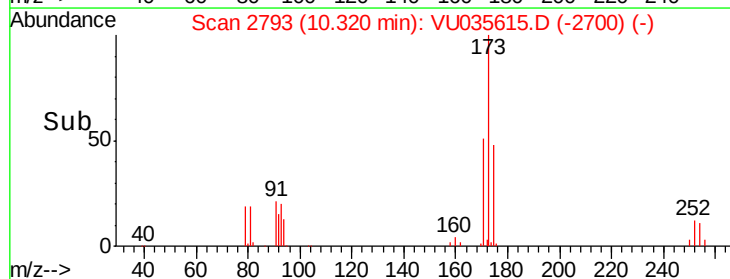
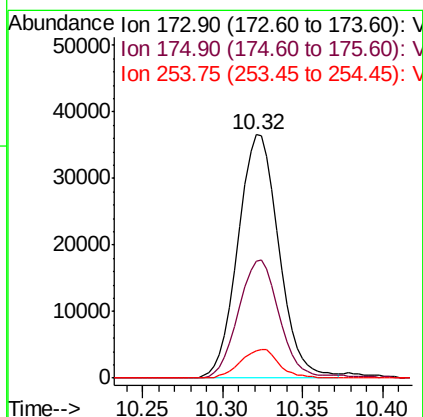
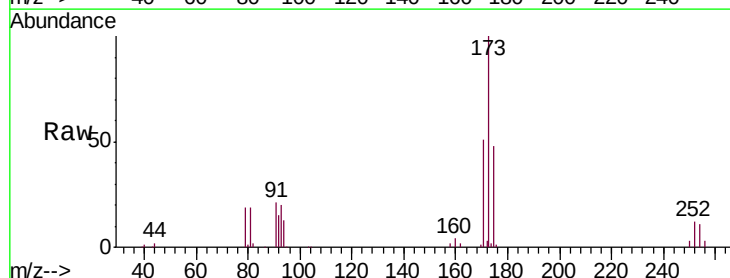
Tgt Ion: 173 Resp: 64066

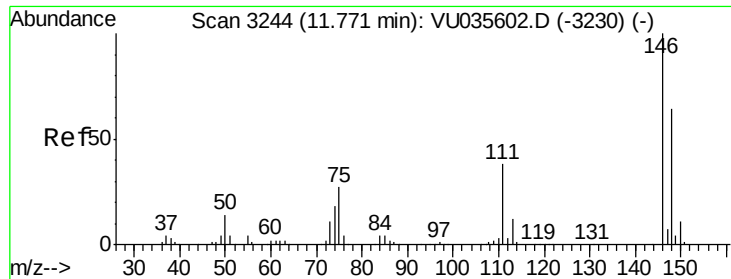
Ion Ratio Lower Upper

173 100

175 48.8 39.0 58.4

254 11.1 8.5 12.7





#62

1,3-Dichlorobenzene

Concen: 5.010 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. 0.00 min

Lab File: VU035615.D

Acq: 04 Nov 2019 18:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

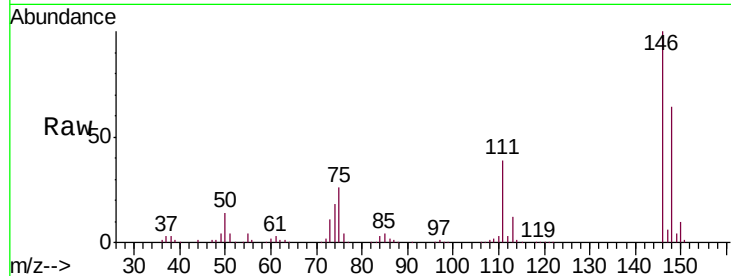
Tgt Ion:146 Resp: 244760

Ion Ratio Lower Upper

146 100

111 38.5 26.7 49.5

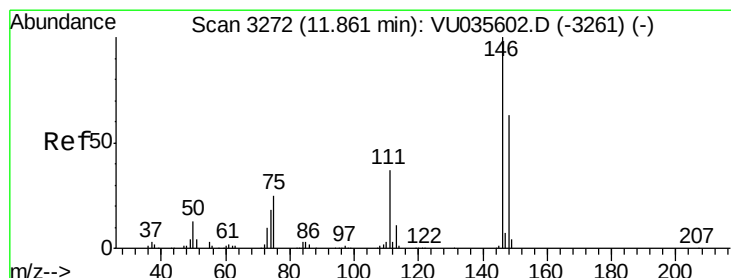
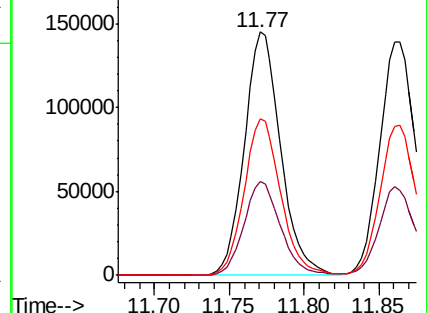
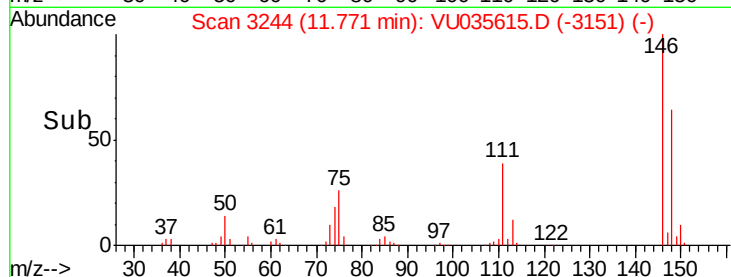
148 64.1 44.5 82.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.131 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VU035615.D

Acq: 04 Nov 2019 18:11

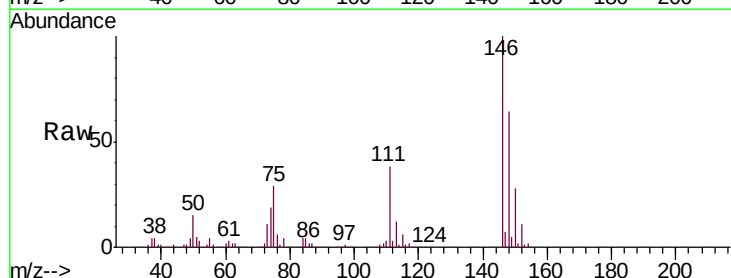
Tgt Ion:146 Resp: 241400

Ion Ratio Lower Upper

146 100

111 37.9 25.9 48.1

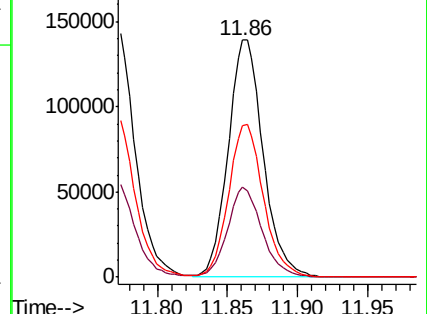
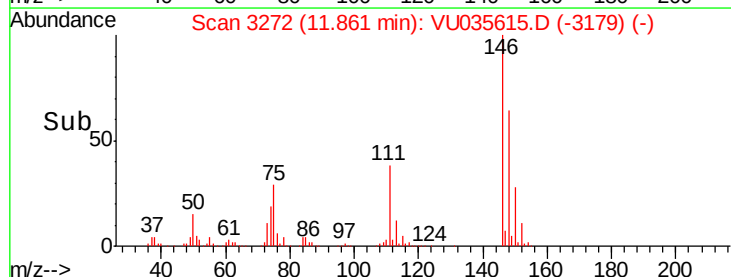
148 63.8 44.1 81.9

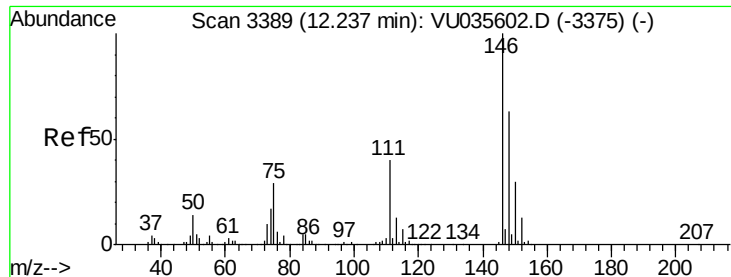


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.016 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU035615.D

Acq: 04 Nov 2019 18:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

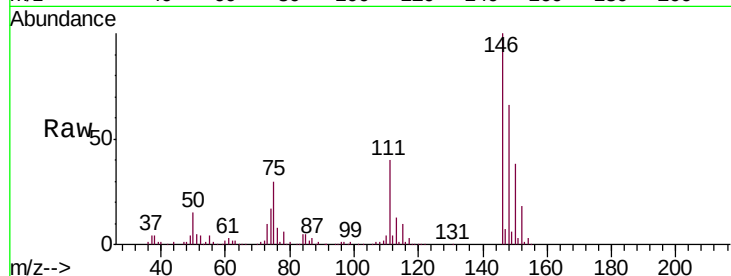
Tgt Ion:146 Resp: 229975

Ion Ratio Lower Upper

146 100

111 40.4 32.2 48.4

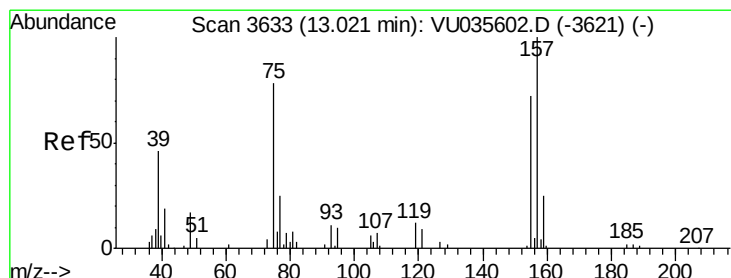
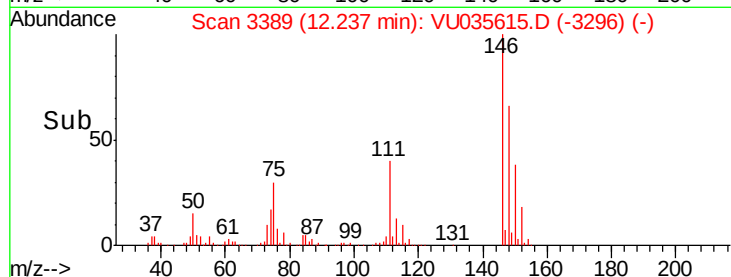
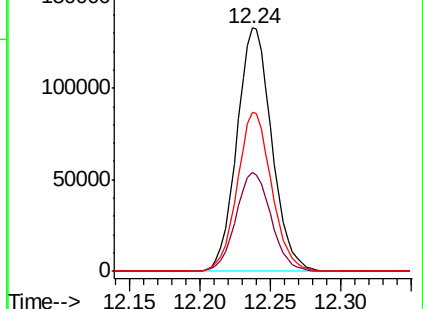
148 65.6 50.7 76.1



Abundance Ion 145.95 (145.65 to 146.65): 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: 4.888 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. 0.00 min

Lab File: VU035615.D

Acq: 04 Nov 2019 18:11

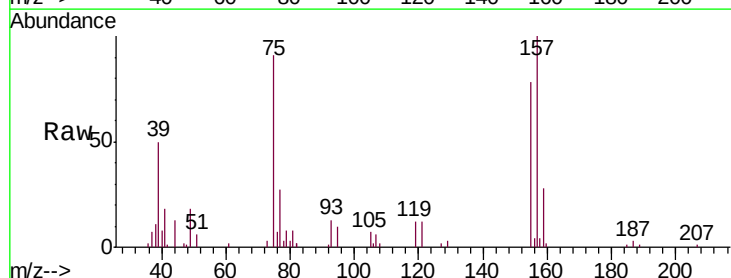
Tgt Ion: 75 Resp: 14262

Ion Ratio Lower Upper

75 100

155 85.2 73.3 109.9

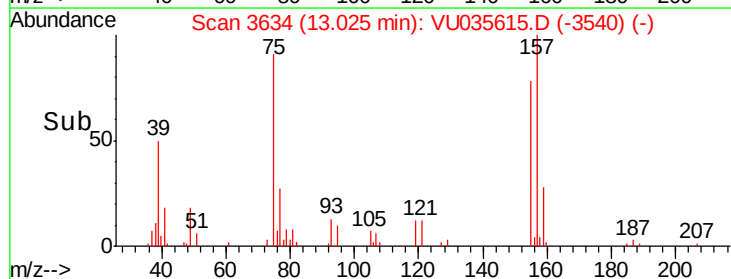
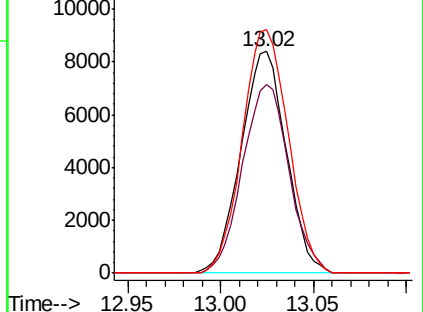
157 109.9 102.2 153.4

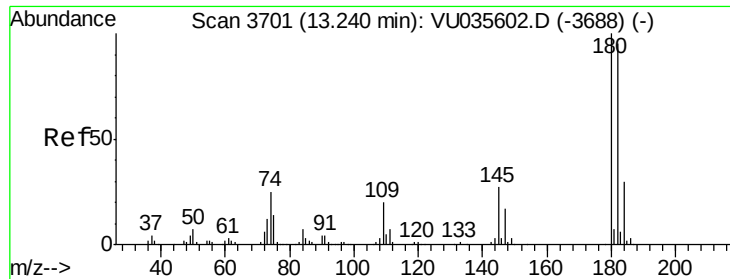


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

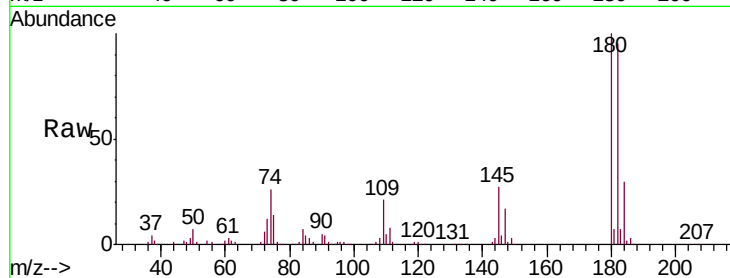




#67
 1,3,5-Trichlorobenzene
 Concen: 5.121 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU035615.D
 Acq: 04 Nov 2019 18:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.9	113.9
184	30.4	24.1	36.1
145	27.3	21.5	32.3



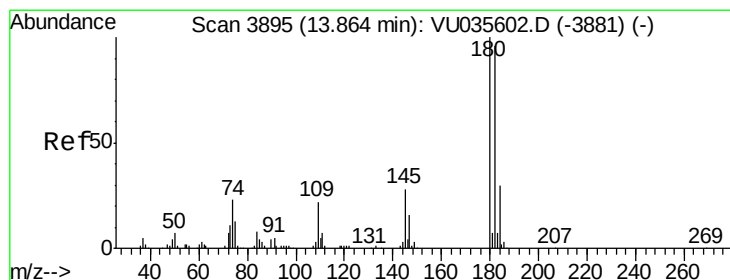
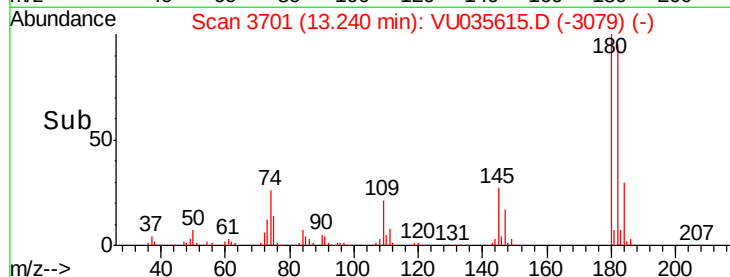
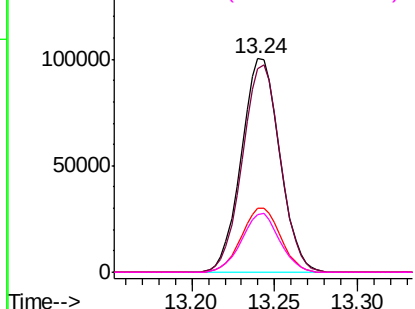
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

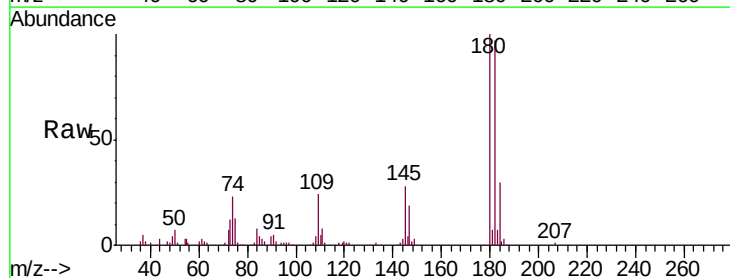
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.312 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU035615.D
 Acq: 04 Nov 2019 18:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.4	116.2
145	28.3	22.2	33.4

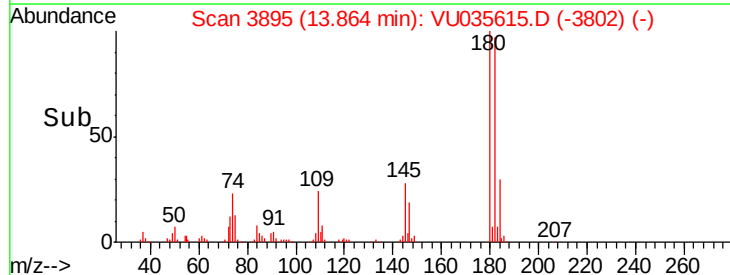
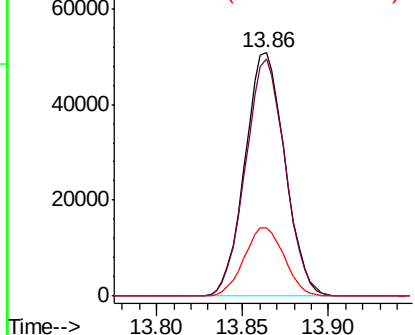


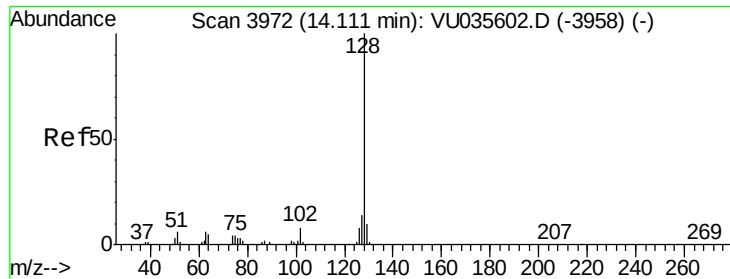
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 3.613 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU035615.D

Acq: 04 Nov 2019 18:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

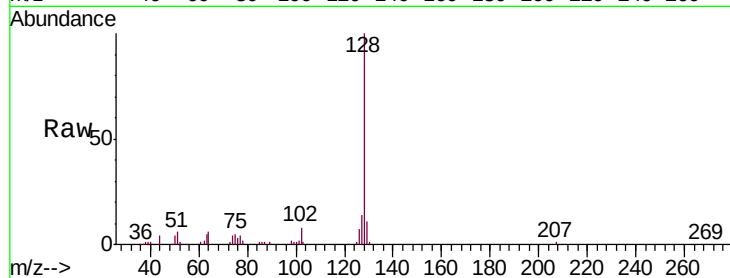
Tgt Ion:128 Resp: 84423

Ion Ratio Lower Upper

128 100

129 10.8 8.1 12.1

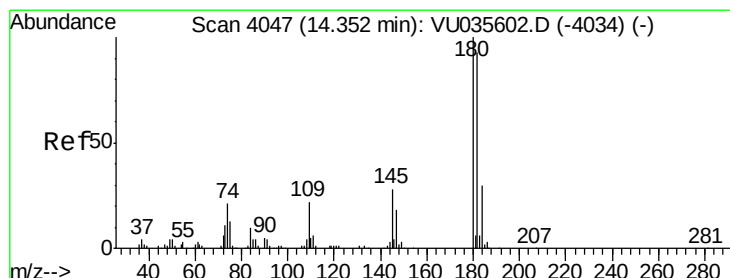
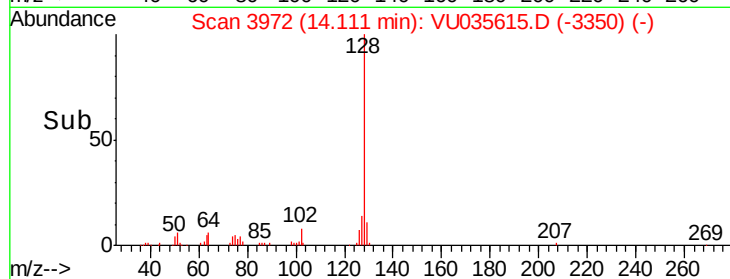
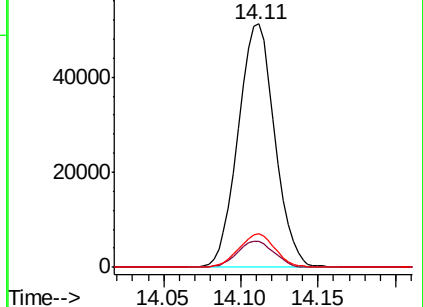
127 13.7 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.556 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. 0.00 min

Lab File: VU035615.D

Acq: 04 Nov 2019 18:11

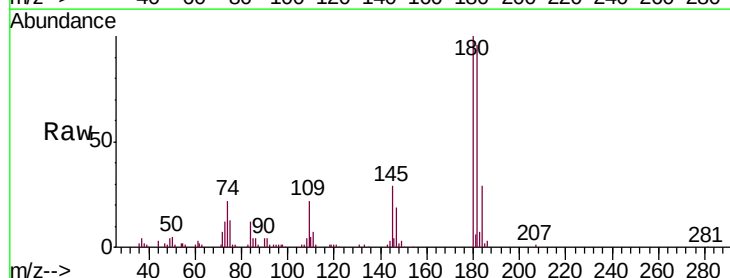
Tgt Ion:180 Resp: 83586

Ion Ratio Lower Upper

180 100

182 94.4 74.8 112.2

145 28.9 23.6 35.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

