

Data File : VU036425.D
Acq On : 10 Jan 2020 10:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

Quant Time: Jan 10 22:56:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 10 12:21:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	530544	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	508932	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	243524	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	209324	50.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.26%
7) Chloroethane-d5	1.93	69	173471	49.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.50%
11) 1,1-Dichloroethene-d2	2.59	63	368323	52.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.60%
21) 2-Butanone-d5	4.67	46	285015	92.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.58%
24) Chloroform-d	5.11	84	375826	52.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.18%
26) 1,2-Dichloroethane-d4	5.74	65	246005	51.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.84%
32) Benzene-d6	5.77	84	729224	51.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.94%
36) 1,2-Dichloropropane-d6	6.73	67	233852	49.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.42%
41) Toluene-d8	7.93	98	693918	51.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.04%
43) trans-1,3-Dichloropropene-	8.21	79	129042	50.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.10%
47) 2-Hexanone-d5	8.67	63	235214	95.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.97%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	348521	48.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.72%
64) 1,2-Dichlorobenzene-d4	12.21	152	238546	46.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	195047	46.029 ug/L	99
3) Chloromethane	1.54	50	178049	46.180 ug/L	100
5) Vinyl chloride	1.62	62	184636	41.259 ug/L	99
6) Bromomethane	1.87	94	108313	50.084 ug/L	98
8) Chloroethane	1.95	64	113174	42.033 ug/L	98
9) Trichlorofluoromethane	2.16	101	275695	43.821 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	161084	51.722 ug/L	99
12) 1,1-Dichloroethene	2.61	96	147058	47.900 ug/L	95
13) Acetone	2.66	43	247541	77.524 ug/L	99
14) Carbon disulfide	2.82	76	390143	41.066 ug/L	100
15) Methyl Acetate	2.98	43	211557	49.271 ug/L	99
16) Methylene chloride	3.08	84	186147	49.531 ug/L	97
17) trans-1,2-Dichloroethene	3.39	96	160344	48.377 ug/L	99
18) Methyl tert-butyl Ether	3.41	73	601011	49.916 ug/L	100
19) 1,1-Dichloroethane	3.91	63	332889	50.106 ug/L	97
20) cis-1,2-Dichloroethene	4.71	96	197405	49.240 ug/L	# 91
22) 2-Butanone	4.75	43	329630	87.386 ug/L	97

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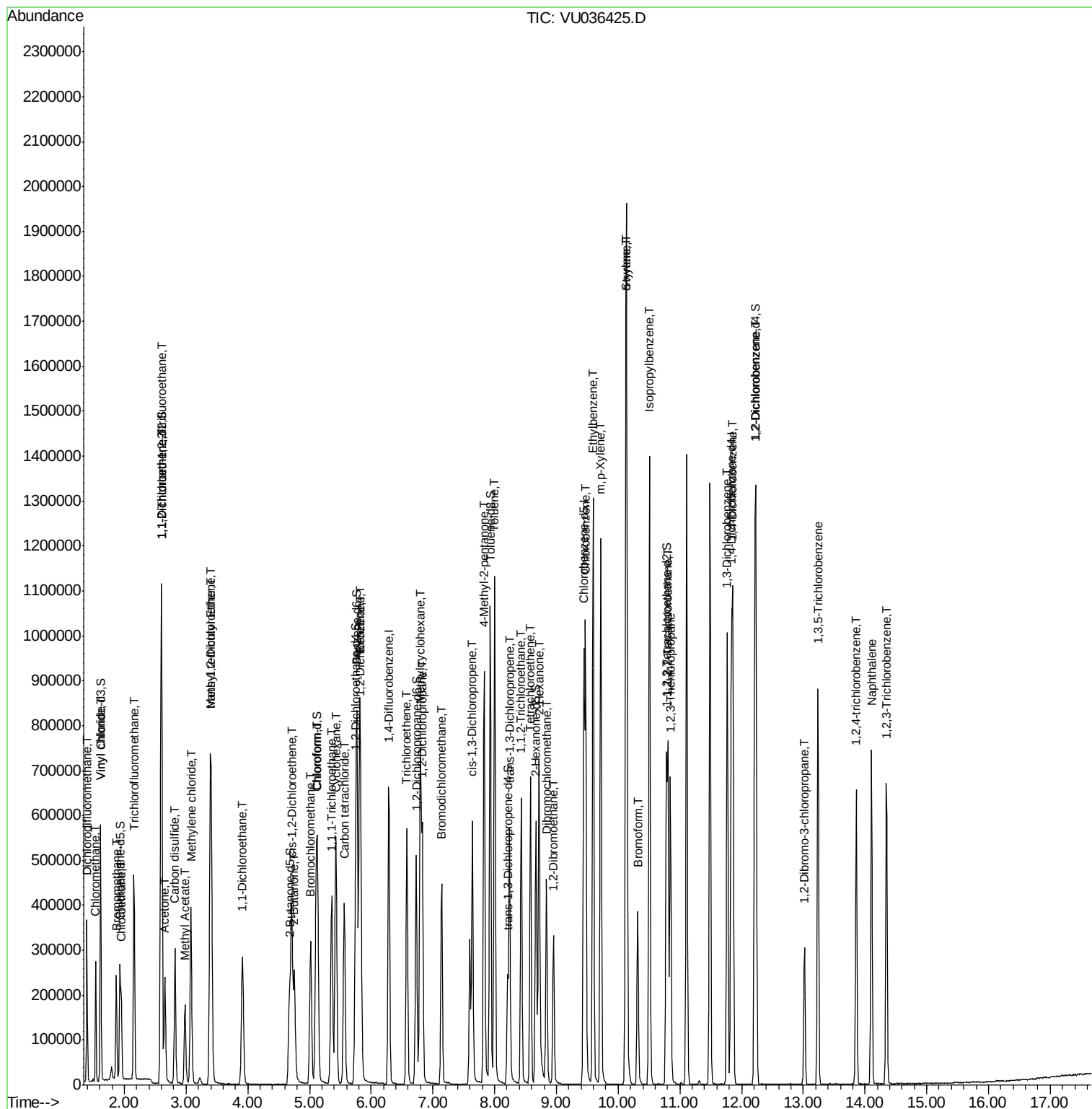
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	94907	49.315	ug/L	96
25) Chloroform	5.13	83	350714	49.544	ug/L	97
27) 1,2-Dichloroethane	5.84	62	278202	50.840	ug/L	98
29) Cyclohexane	5.43	56	285289	48.380	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	312647	50.123	ug/L	99
31) Carbon tetrachloride	5.57	117	262814	48.606	ug/L	97
33) Benzene	5.81	78	723534	48.396	ug/L	100
34) Trichloroethene	6.58	95	192504	49.946	ug/L	99
35) Methylcyclohexane	6.80	83	296554	48.205	ug/L	98
37) 1,2-Dichloropropane	6.83	63	195566	48.308	ug/L	100
38) Bromodichloromethane	7.14	83	277739	48.631	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	337555	49.808	ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	619724	90.085	ug/L	99
42) Toluene	8.00	91	796875	48.405	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	306362	48.524	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	195472	51.755	ug/L	98
46) Tetrachloroethene	8.58	164	135110	48.721	ug/L	97
48) 2-Hexanone	8.72	43	506779	95.741	ug/L	98
49) Dibromochloromethane	8.84	129	222808	48.061	ug/L	98
50) 1,2-Dibromoethane	8.95	107	214202	48.903	ug/L	93
51) Chlorobenzene	9.47	112	513973	49.464	ug/L	99
52) Ethylbenzene	9.60	91	917397	48.962	ug/L	100
53) m,p-Xylene	9.72	106	342548	49.285	ug/L	97
54) o-xylene	10.12	106	342756	49.149	ug/L	98
55) Styrene	10.14	104	581811	49.341	ug/L	98
56) Isopropylbenzene	10.51	105	911995	50.174	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	354199	49.614	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	274239	48.281	ug/L	98
61) Bromoform	10.32	173	169009	46.702	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	386110	49.064	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	383904	49.179	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	382020	48.451	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	77496	42.120	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	245687	47.015	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	177554	44.832	ug/L	99
69) Naphthalene	14.10	128	566151	41.602	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	183389	44.093	ug/L	98

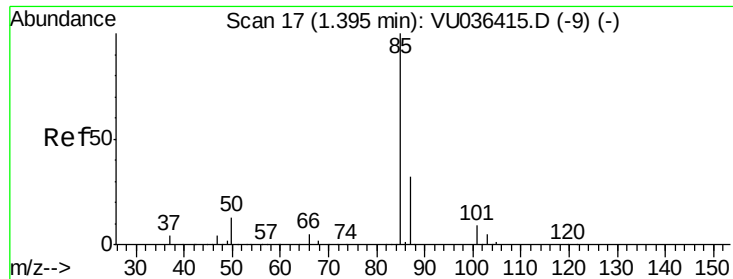
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 46.029 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036425.D

Acq: 10 Jan 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

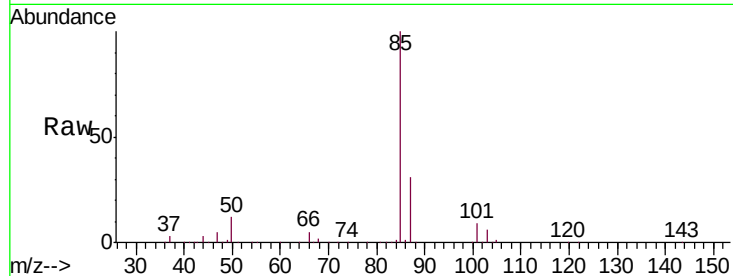
VSTD05058

Tgt Ion: 85 Resp: 195047

Ion Ratio Lower Upper

85 100

87 31.8 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU036415.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036415.D (-9) (-)

1.39

200000

150000

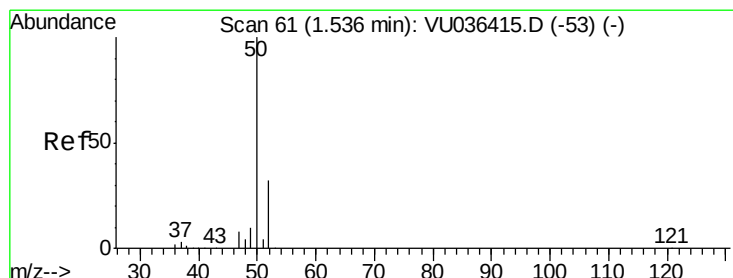
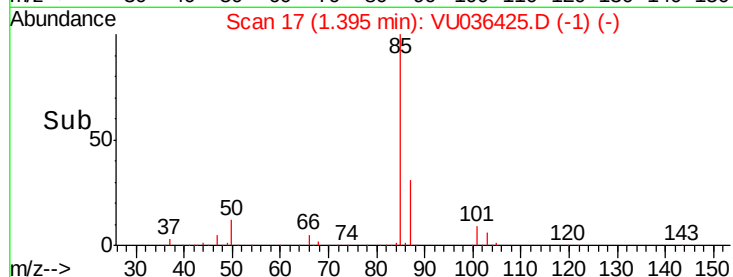
100000

50000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 46.180 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036425.D

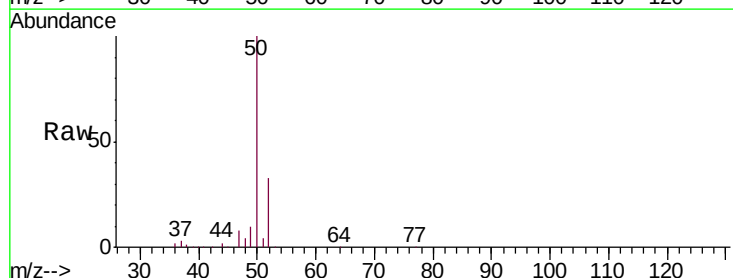
Acq: 10 Jan 2020 10:41

Tgt Ion: 50 Resp: 178049

Ion Ratio Lower Upper

50 100

52 32.6 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU036415.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU036415.D (-53) (-)

1.54

150000

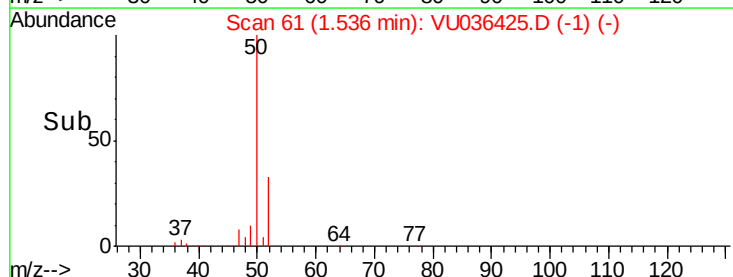
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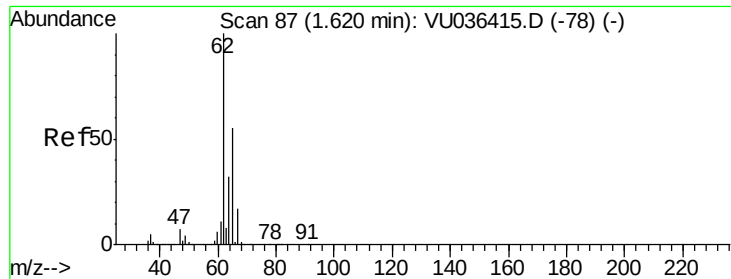
50000

0

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 41.259 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036425.D

Acq: 10 Jan 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

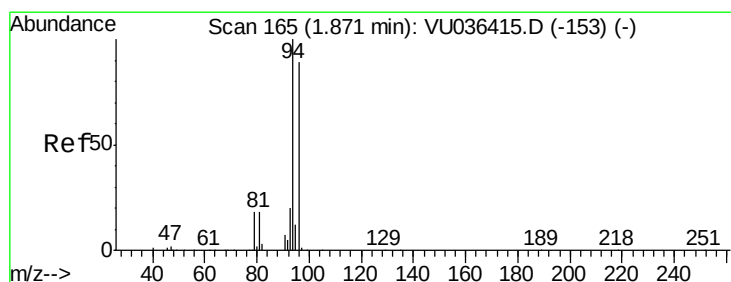
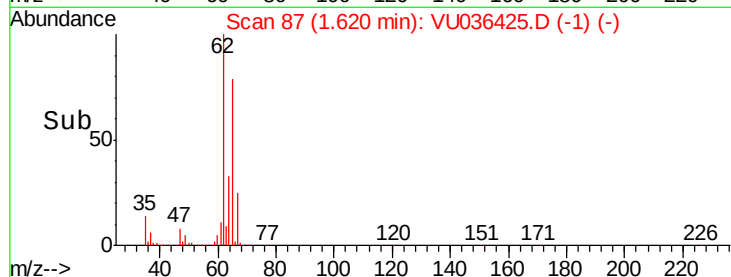
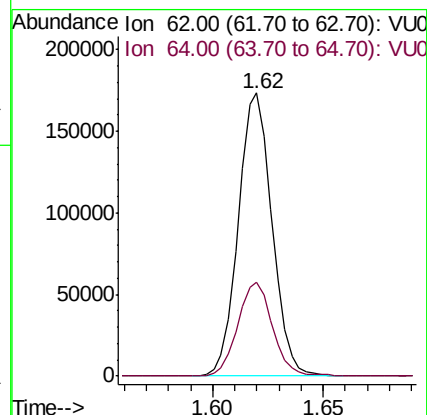
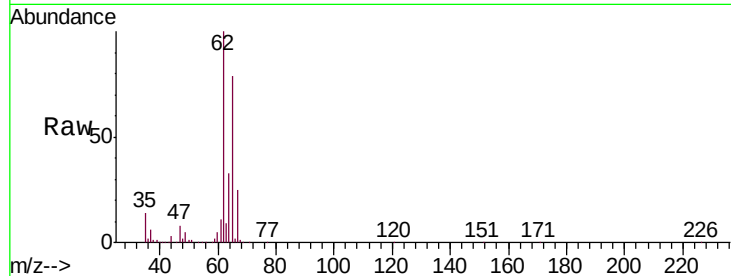
VSTD05058

Tgt Ion: 62 Resp: 184636

Ion Ratio Lower Upper

62 100

64 33.3 22.7 42.3



#6

Bromomethane

Concen: 50.084 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU036425.D

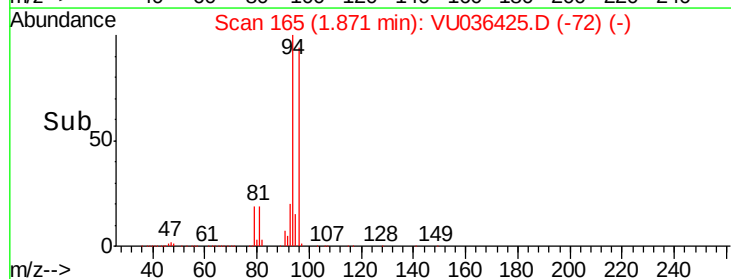
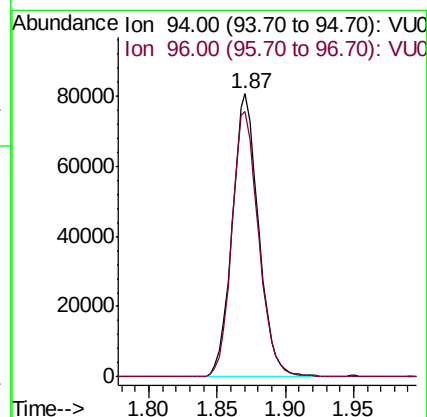
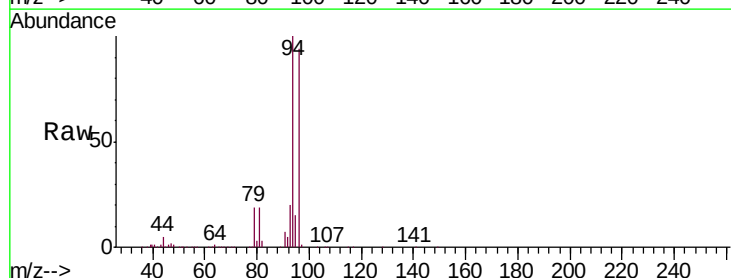
Acq: 10 Jan 2020 10:41

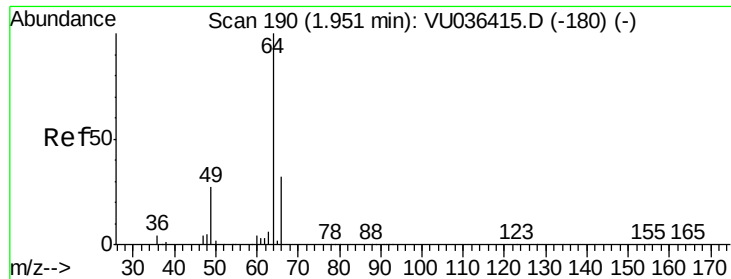
Tgt Ion: 94 Resp: 108313

Ion Ratio Lower Upper

94 100

96 93.7 64.5 119.7

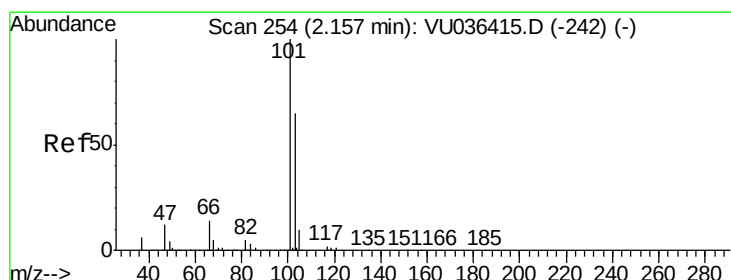
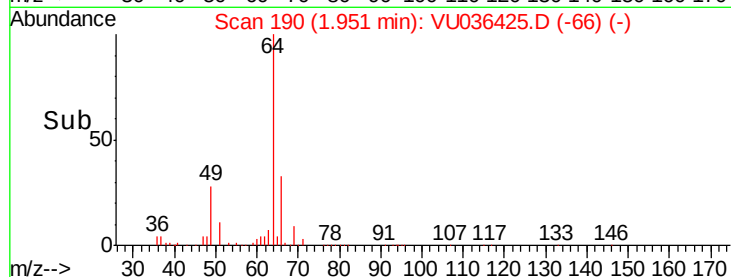
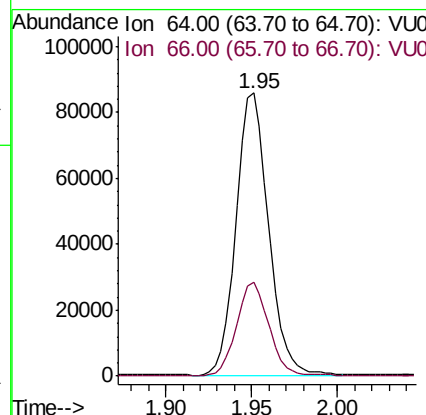
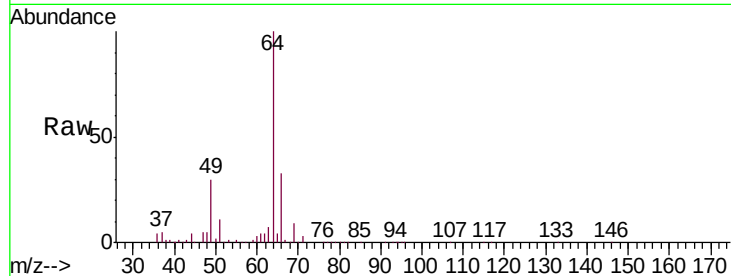




#8
Chloroethane
Concen: 42.033 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU036425.D
Acq: 10 Jan 2020 10:41

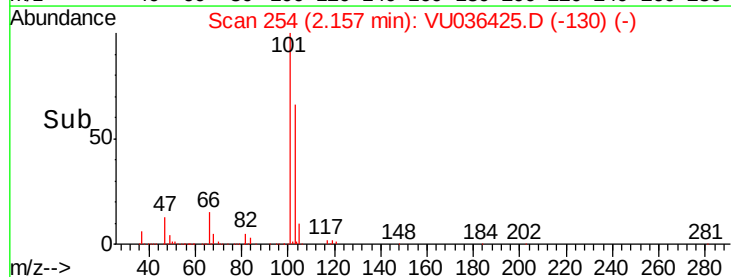
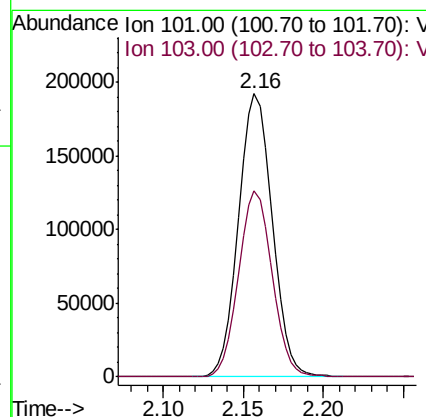
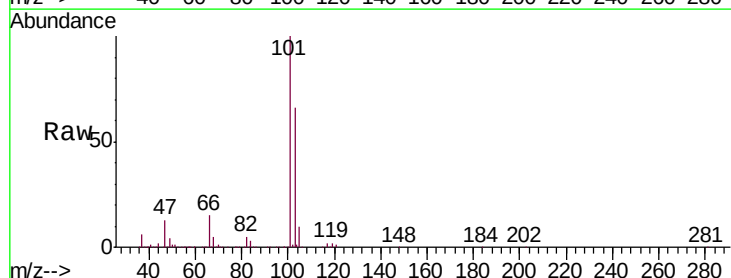
Instrument :
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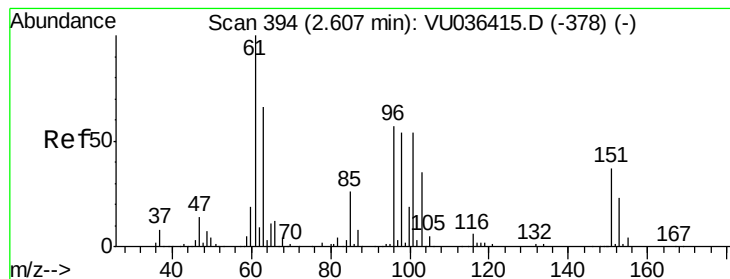
Tgt Ion: 64 Resp: 113174
Ion Ratio Lower Upper
64 100
66 33.0 22.3 41.3



#9
Trichlorofluoromethane
Concen: 43.821 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU036425.D
Acq: 10 Jan 2020 10:41

Tgt Ion: 101 Resp: 275695
Ion Ratio Lower Upper
101 100
103 65.2 51.6 77.4





#10

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

Concen: 51.722 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036425.D

Acq: 10 Jan 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

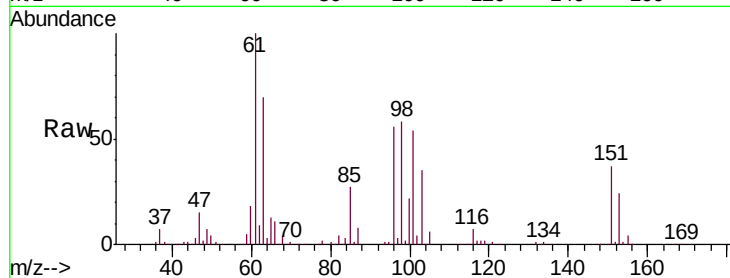
Tgt Ion: 101 Resp: 161084

Ion Ratio Lower Upper

101 100

85 47.4 37.1 55.7

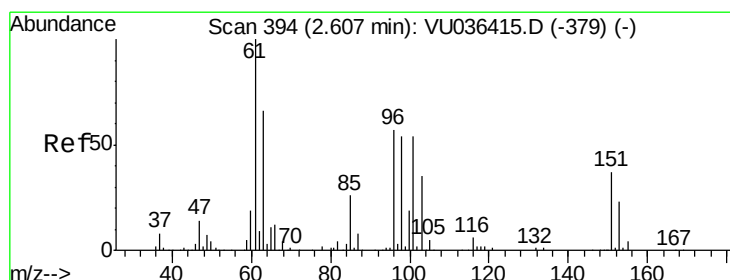
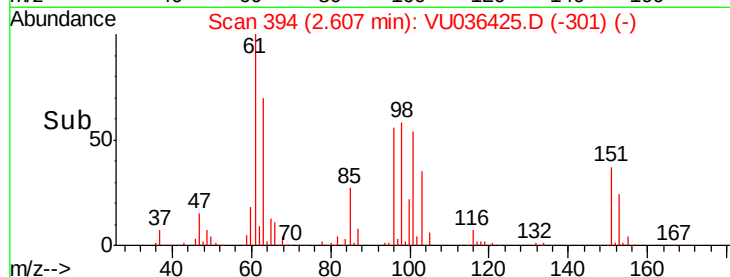
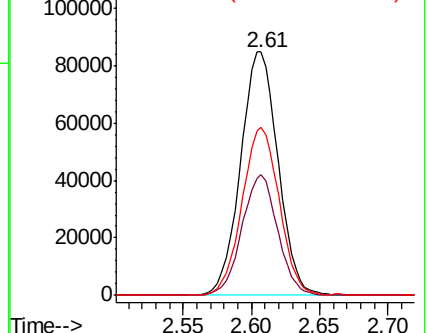
151 68.8 54.3 81.5



Abundance Ion 101.00 (100.70 to 101.70): VU036425.D (-301) (-)

Ion 85.00 (84.70 to 85.70): VU036425.D (-301) (-)

Ion 151.00 (150.70 to 151.70): VU036425.D (-301) (-)



#12

1,1-Dichloroethene

Concen: 47.900 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036425.D

Acq: 10 Jan 2020 10:41

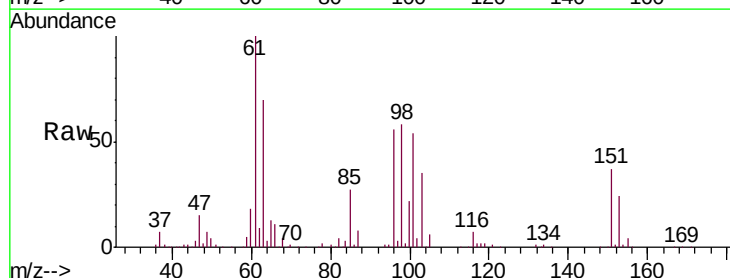
Tgt Ion: 96 Resp: 147058

Ion Ratio Lower Upper

96 100

61 177.2 120.9 224.5

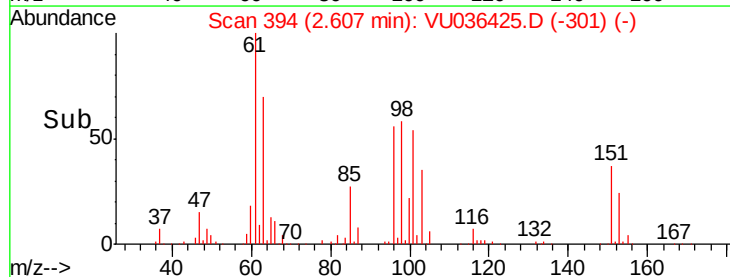
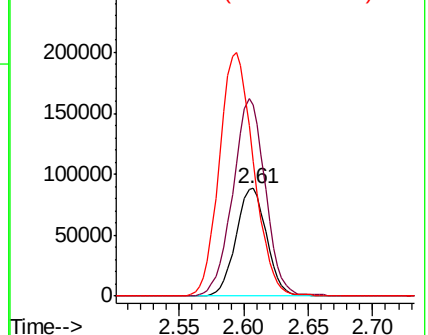
63 124.7 81.8 152.0

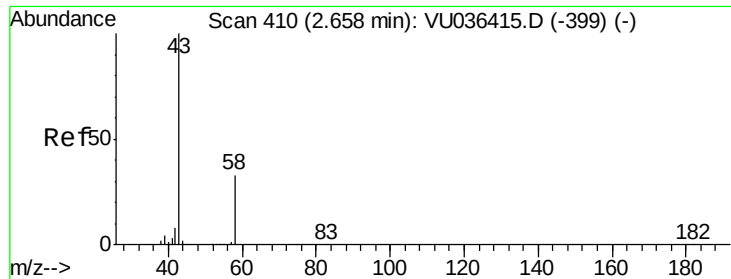


Abundance Ion 96.00 (95.70 to 96.70): VU036425.D (-301) (-)

Ion 61.00 (60.70 to 61.70): VU036425.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU036425.D (-301) (-)





#13

Acetone

Concen: 77.524 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

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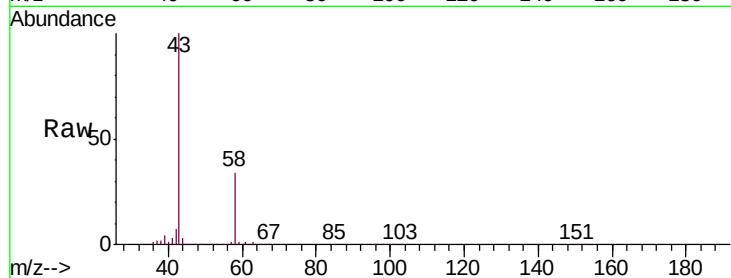
VSTD05058

Tgt Ion: 43 Resp: 247541

Ion Ratio Lower Upper

43 100

58 33.6 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VU036415.D (-399) (-)

Ion 58.00 (57.70 to 58.70): VU036415.D (-399) (-)

2.66

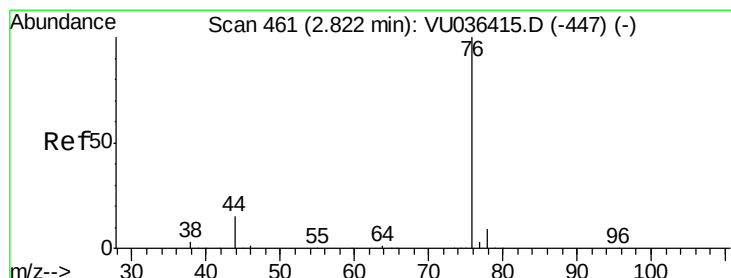
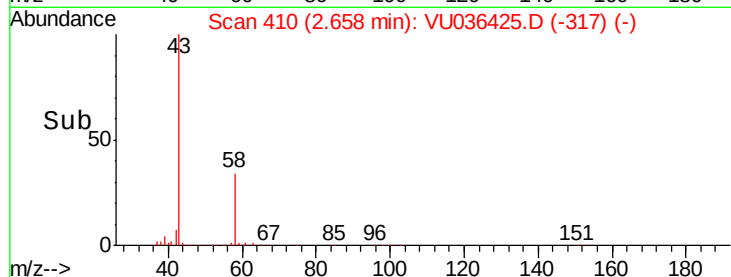
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50000

0

Time-->



#14

Carbon disulfide

Concen: 41.066 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036425.D

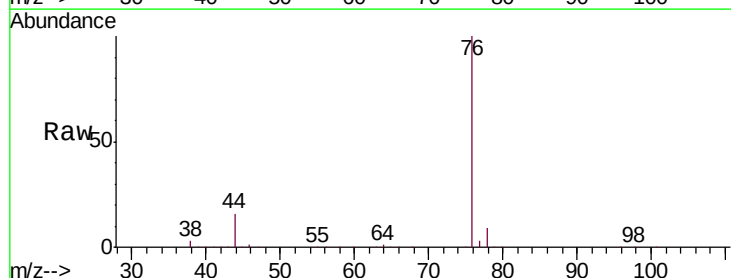
Acq: 10 Jan 2020 10:41

Tgt Ion: 76 Resp: 390143

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VU036415.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU036415.D (-447) (-)

2.82

250000

200000

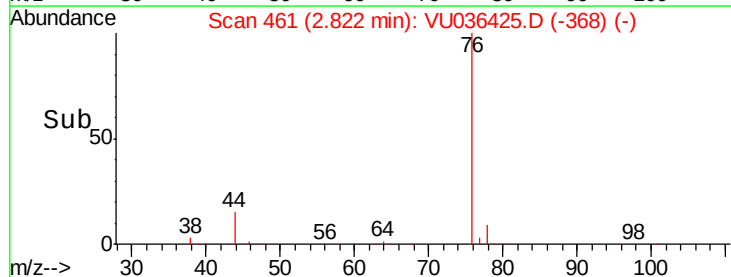
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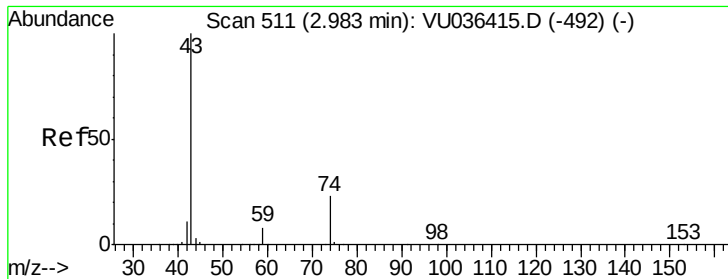
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Time-->

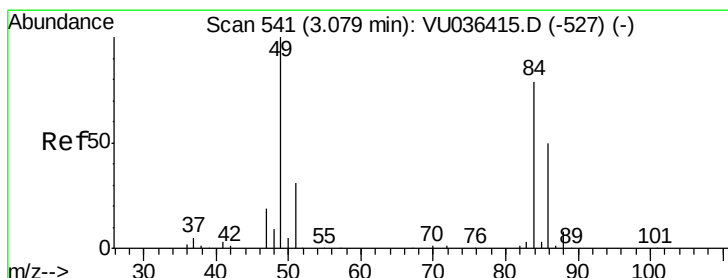
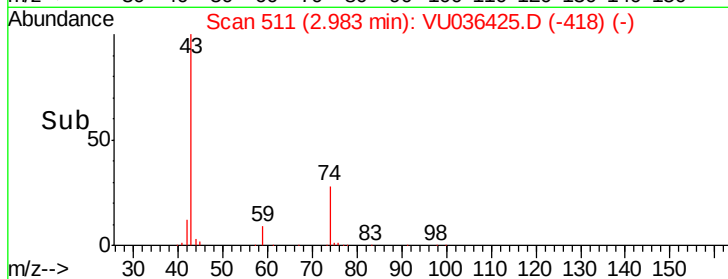
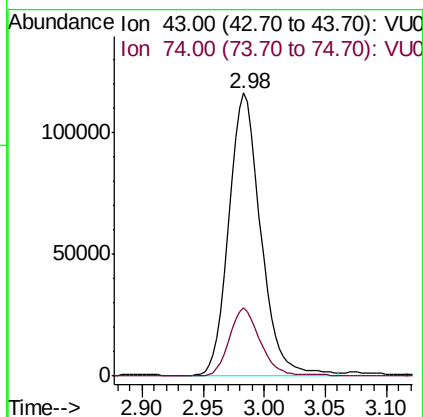
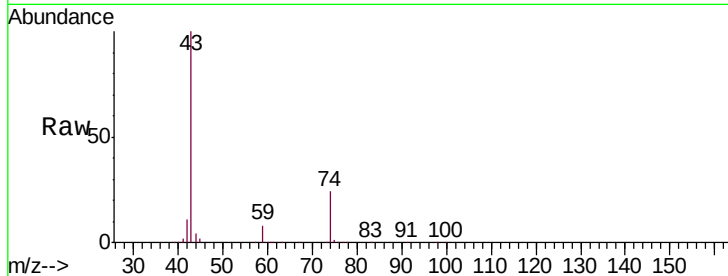




#15
Methyl Acetate
Concen: 49.271 ug/L
RT: 2.98 min Scan# 511
Delta R.T. 0.00 min
Lab File: VU036425.D
Acq: 10 Jan 2020 10:41

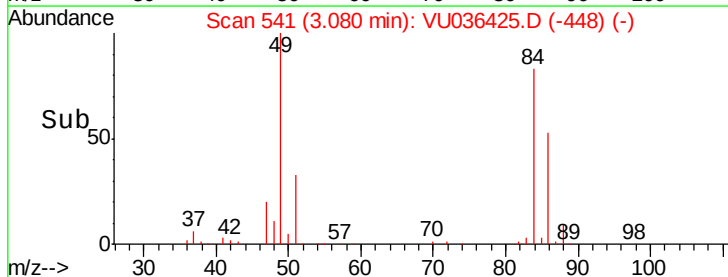
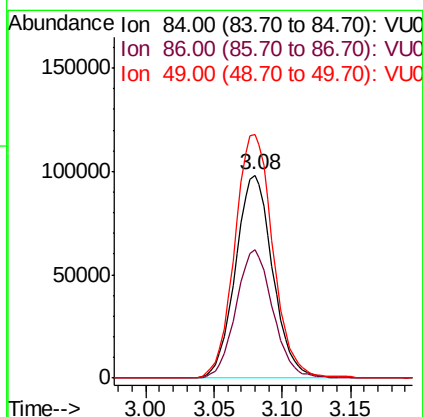
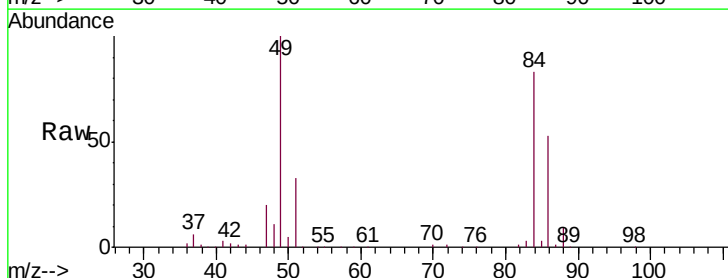
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

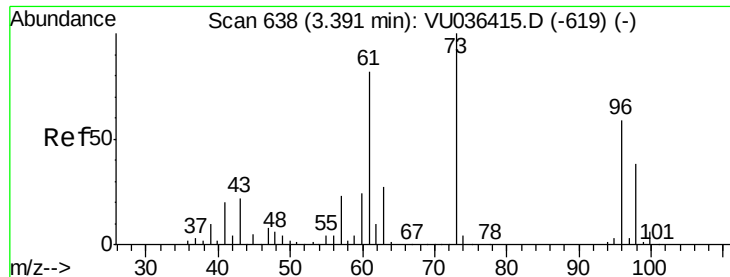
Tgt Ion: 43 Resp: 211557
Ion Ratio Lower Upper
43 100
74 23.8 19.4 29.2



#16
Methylene chloride
Concen: 49.531 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU036425.D
Acq: 10 Jan 2020 10:41

Tgt Ion: 84 Resp: 186147
Ion Ratio Lower Upper
84 100
86 63.0 44.6 82.8
49 120.0 87.6 162.6





#17

trans-1,2-Dichloroethene

Concen: 48.377 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU036425.D

Acq: 10 Jan 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

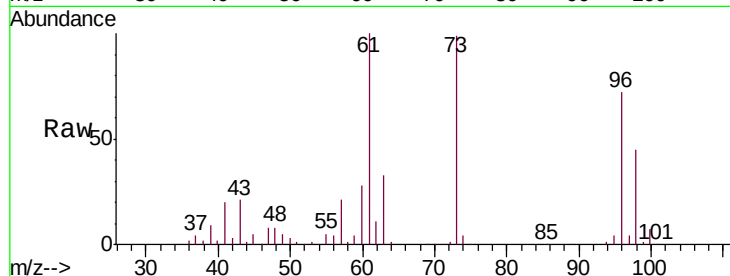
Tgt Ion: 96 Resp: 160344

Ion Ratio Lower Upper

96 100

61 138.1 96.2 178.8

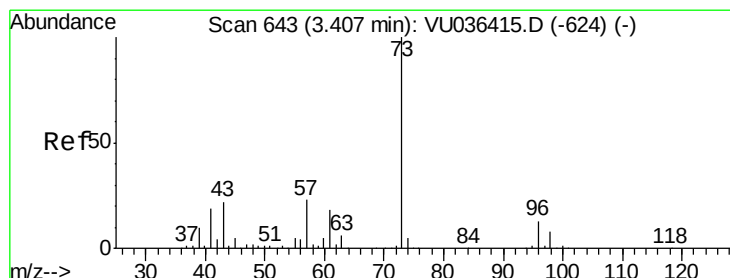
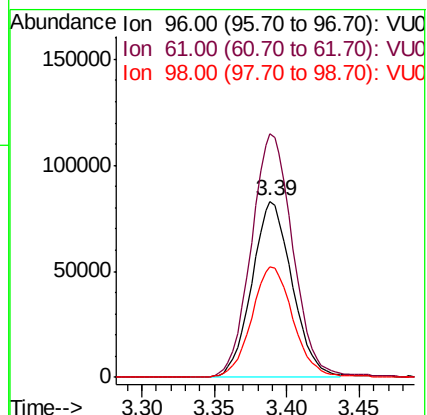
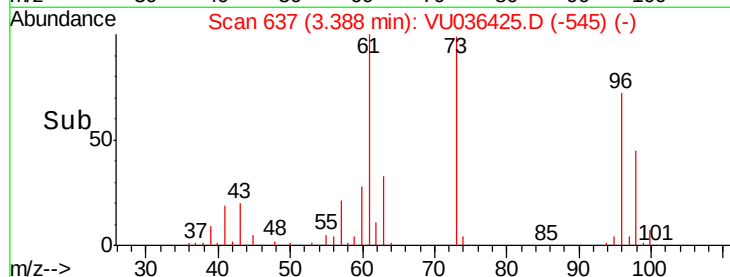
98 62.5 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VU036415.D (-619) (-)

Ion 61.00 (60.70 to 61.70): VU036415.D (-619) (-)

Ion 98.00 (97.70 to 98.70): VU036415.D (-619) (-)



#18

Methyl tert-butyl Ether

Concen: 49.916 ug/L

RT: 3.41 min Scan# 643

Delta R.T. 0.00 min

Lab File: VU036425.D

Acq: 10 Jan 2020 10:41

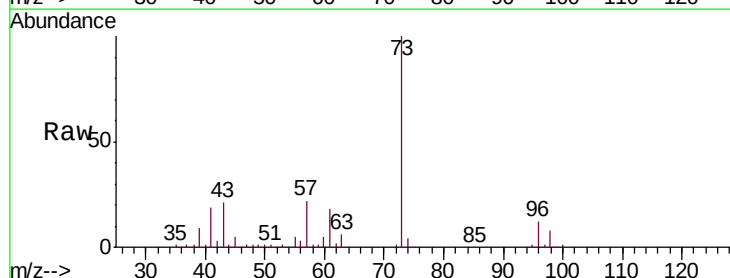
Tgt Ion: 73 Resp: 601011

Ion Ratio Lower Upper

73 100

43 20.7 16.3 24.5

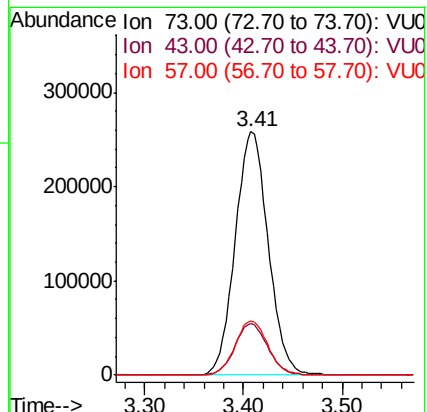
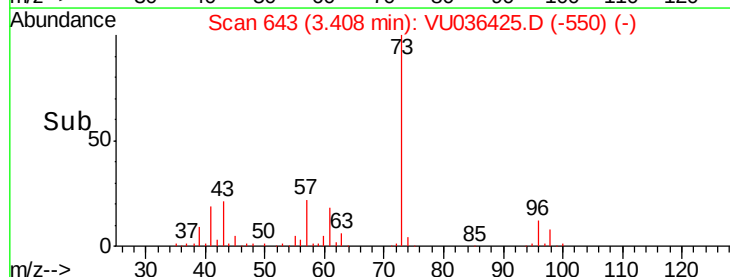
57 22.1 17.7 26.5

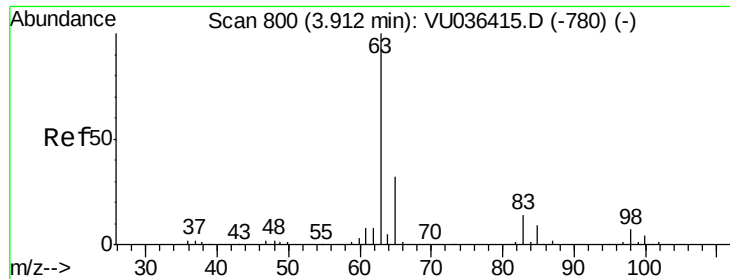


Abundance Ion 73.00 (72.70 to 73.70): VU036415.D (-624) (-)

Ion 43.00 (42.70 to 43.70): VU036415.D (-624) (-)

Ion 57.00 (56.70 to 57.70): VU036415.D (-624) (-)

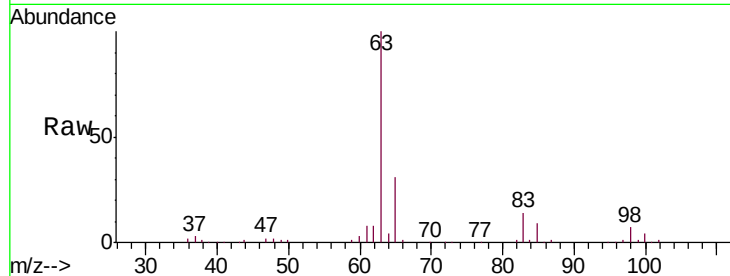




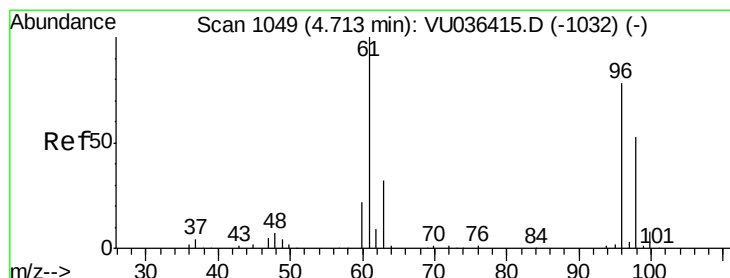
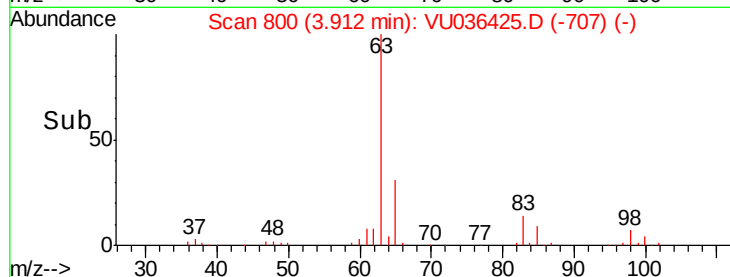
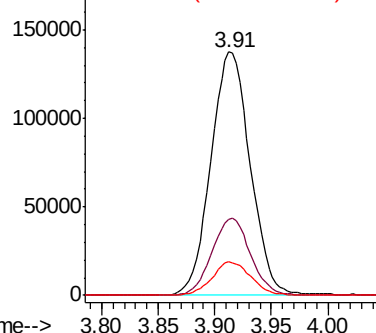
#19
 1,1-Dichloroethane
 Concen: 50.106 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU036425.D
 Acq: 10 Jan 2020 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Tgt Ion: 63 Resp: 332889
 Ion Ratio Lower Upper
 63 100
 65 31.1 20.0 37.2
 83 13.7 9.6 17.8

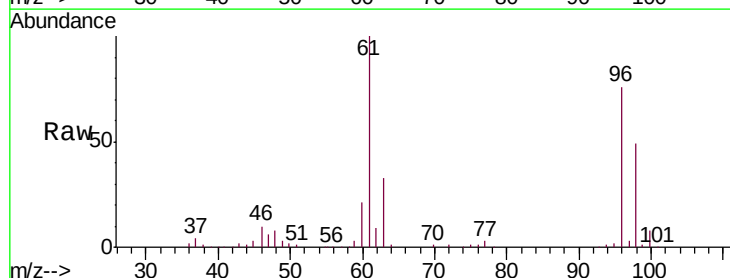


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

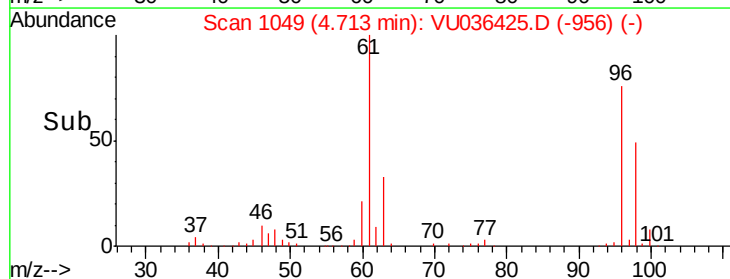
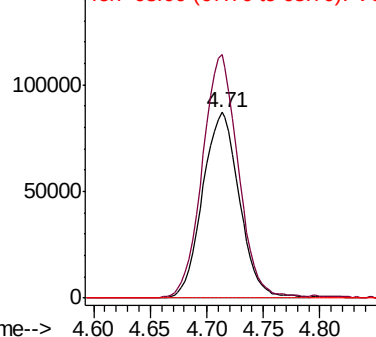


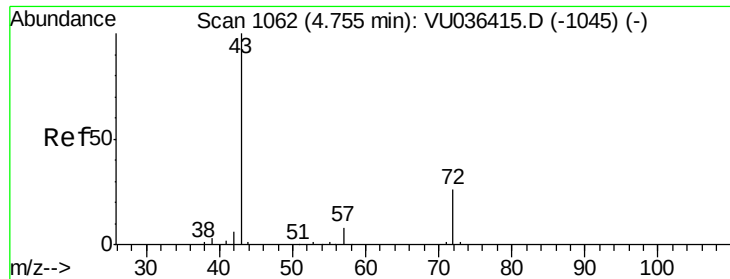
#20
 cis-1,2-Dichloroethene
 Concen: 49.240 ug/L
 RT: 4.71 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VU036425.D
 Acq: 10 Jan 2020 10:41

Tgt Ion: 96 Resp: 197405
 Ion Ratio Lower Upper
 96 100
 61 131.2 85.1 158.1
 68 0.0 0.1 0.3#



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 87.386 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VU036425.D

Acq: 10 Jan 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

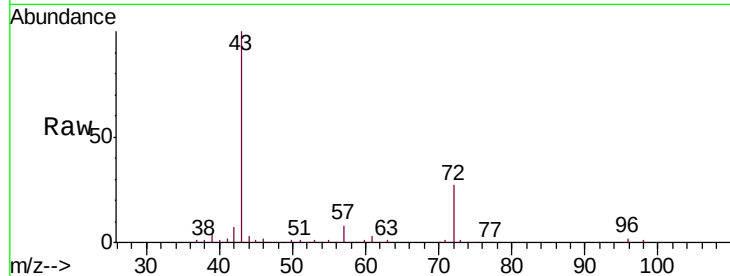
VSTD05058

Tgt Ion: 43 Resp: 329630

Ion Ratio Lower Upper

43 100

72 28.0 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU036425.D (-969) (-)

Ion 72.00 (71.70 to 72.70): VU036425.D (-969) (-)

4.75

150000

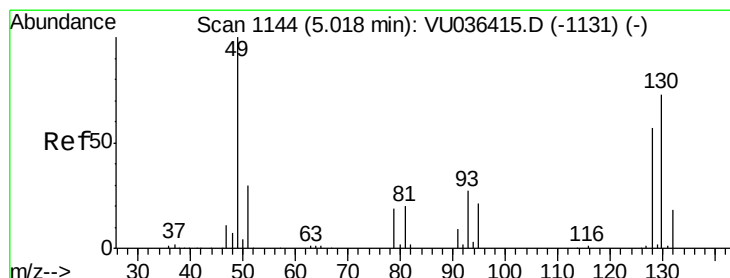
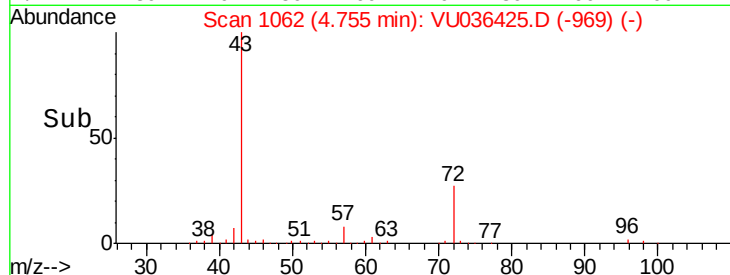
100000

50000

0

4.70 4.75 4.80

Time-->



#23

Bromochloromethane

Concen: 49.315 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU036425.D

Acq: 10 Jan 2020 10:41

Tgt Ion: 128 Resp: 94907

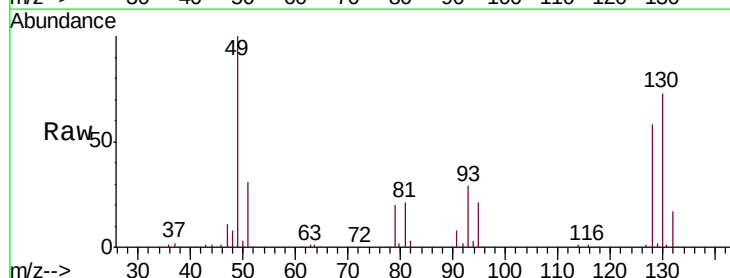
Ion Ratio Lower Upper

128 100

49 172.0 115.0 213.6

130 125.5 89.1 165.5

51 53.9 42.2 63.4



Abundance Ion 128.00 (127.70 to 128.70): VU036425.D (-1051) (-)

Ion 49.00 (48.70 to 49.70): VU036425.D (-1051) (-)

Ion 130.00 (129.70 to 130.70): VU036425.D (-1051) (-)

Ion 51.00 (50.70 to 51.70): VU036425.D (-1051) (-)

5.02

100000

80000

60000

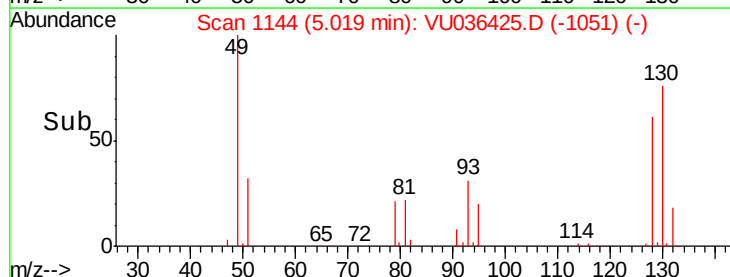
40000

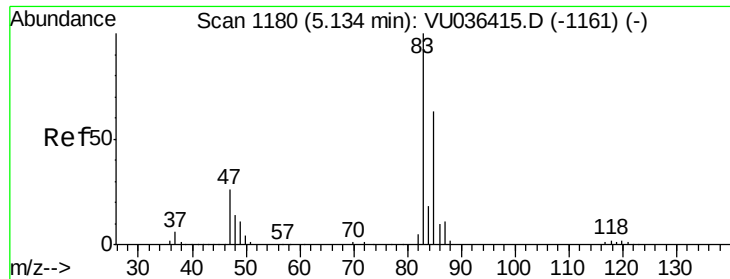
20000

0

4.95 5.00 5.05 5.10

Time-->





#25

Chloroform

Concen: 49.544 ug/L

RT: 5.13 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VU036425.D

Acq: 10 Jan 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

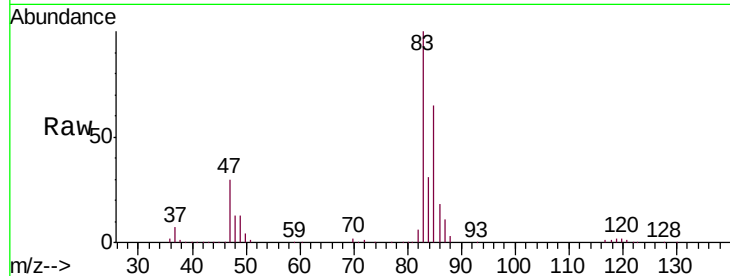
VSTD05058

Tgt Ion: 83 Resp: 350714

Ion Ratio Lower Upper

83 100

85 64.9 43.9 81.5



Abundance Ion 83.00 (82.70 to 83.70): VU036425.D (-1161) (-)

Ion 85.00 (84.70 to 85.70): VU036425.D (-1161) (-)

5.13

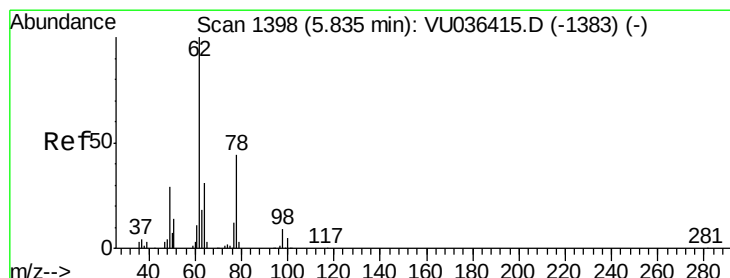
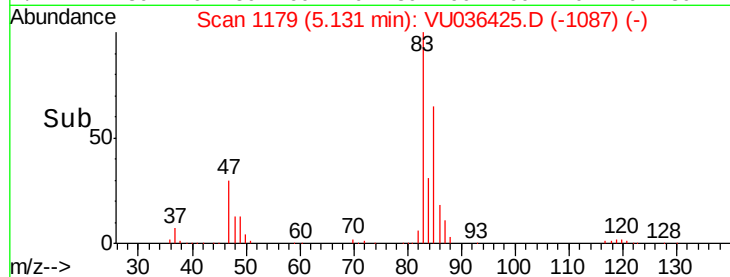
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 50.840 ug/L

RT: 5.84 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VU036425.D

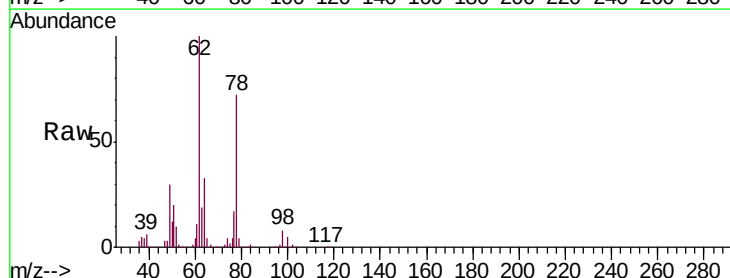
Acq: 10 Jan 2020 10:41

Tgt Ion: 62 Resp: 278202

Ion Ratio Lower Upper

62 100

98 8.4 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VU036425.D (-1383) (-)

Ion 98.00 (97.70 to 98.70): VU036425.D (-1383) (-)

5.84

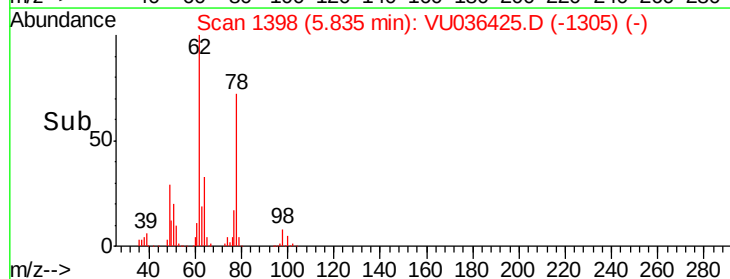
150000

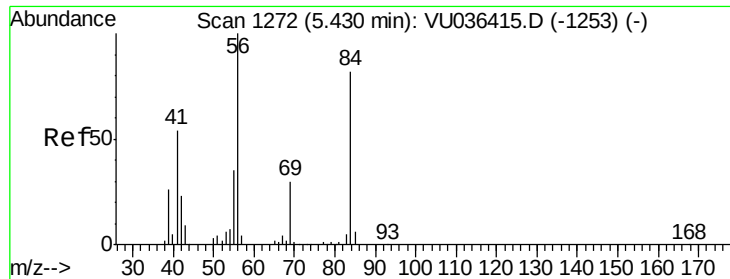
100000

50000

0

Time-->

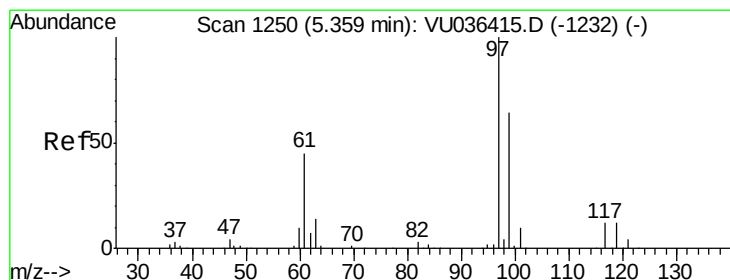
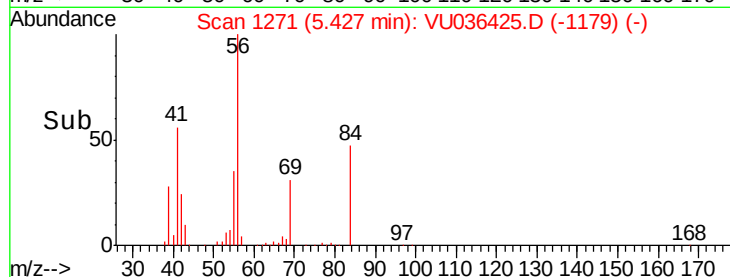
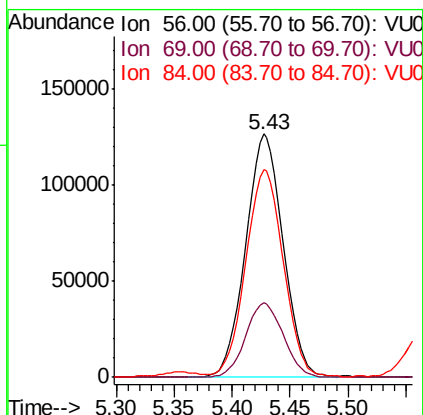
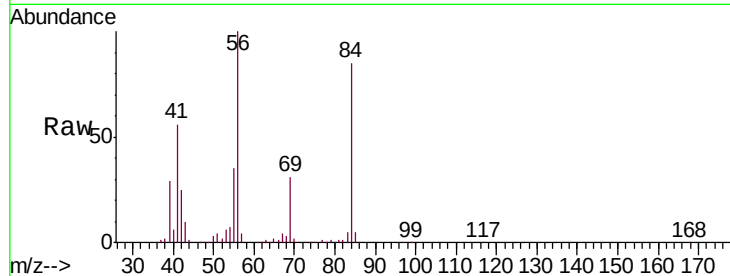




#29
Cyclohexane
Concen: 48.380 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU036425.D
Acq: 10 Jan 2020 10:41

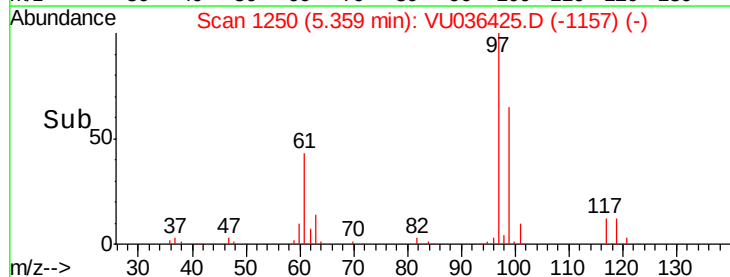
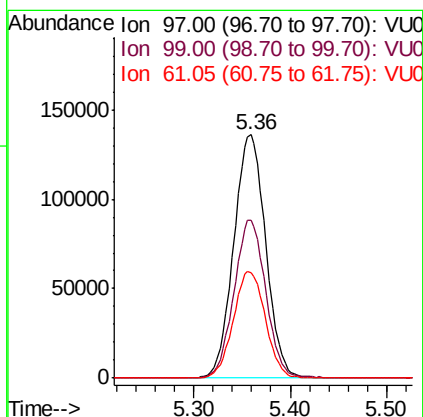
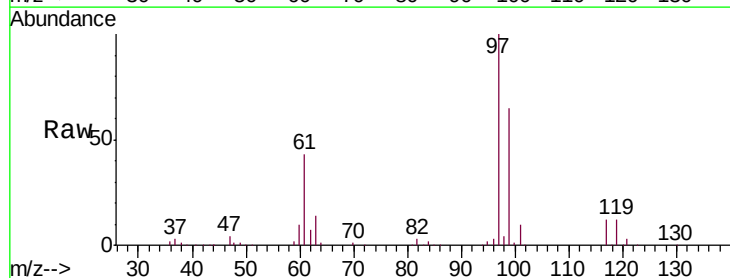
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

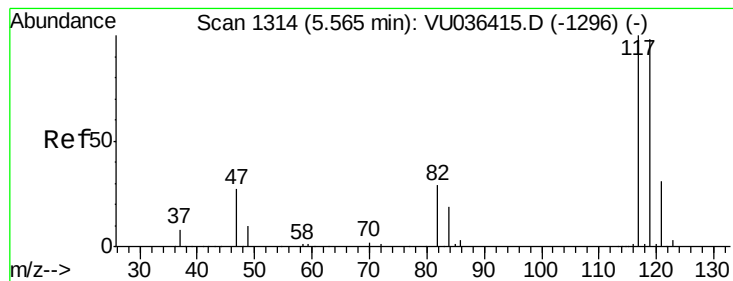
Tgt Ion: 56 Resp: 285289
Ion Ratio Lower Upper
56 100
69 30.8 24.8 37.2
84 85.0 67.4 101.2



#30
1,1,1-Trichloroethane
Concen: 50.123 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU036425.D
Acq: 10 Jan 2020 10:41

Tgt Ion: 97 Resp: 312647
Ion Ratio Lower Upper
97 100
99 64.3 51.0 76.4
61 43.9 34.7 52.1





#31

Carbon tetrachloride

Concen: 48.606 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU036425.D

Acq: 10 Jan 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

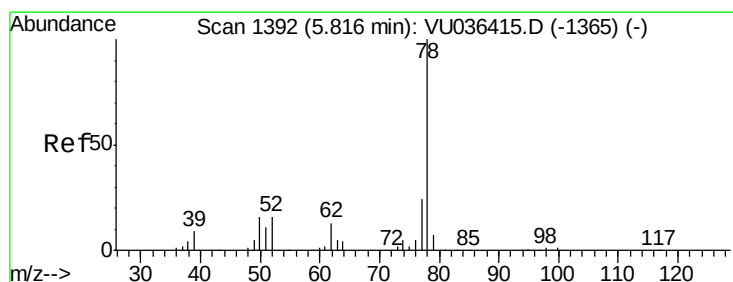
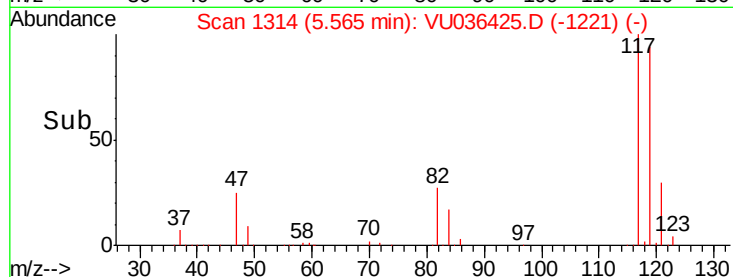
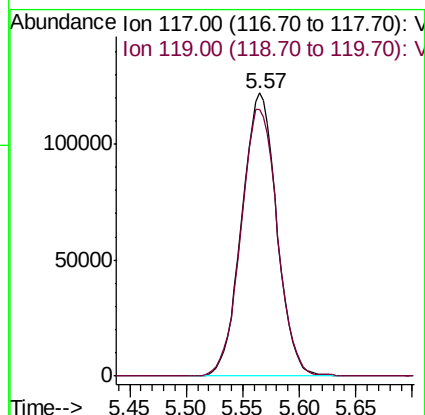
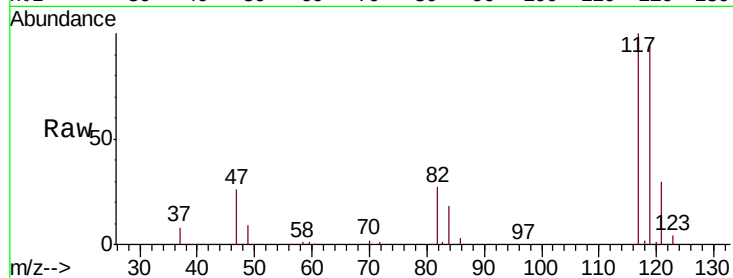
VSTD05058

Tgt Ion:117 Resp: 262814

Ion Ratio Lower Upper

117 100

119 97.8 76.0 114.0



#33

Benzene

Concen: 48.396 ug/L

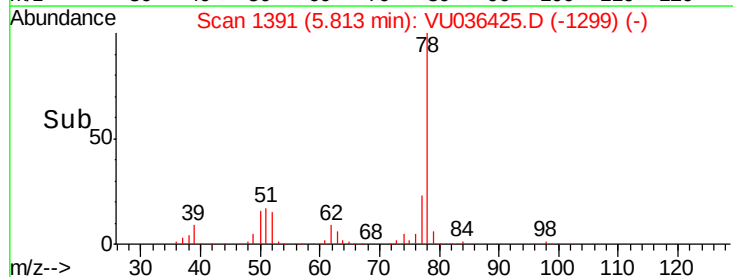
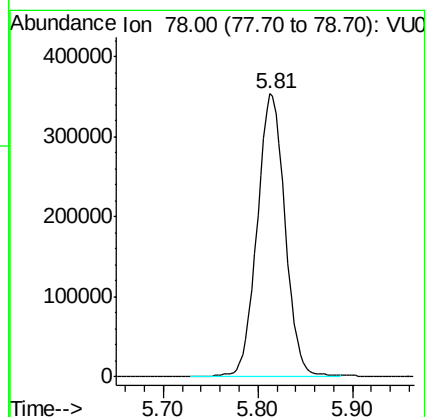
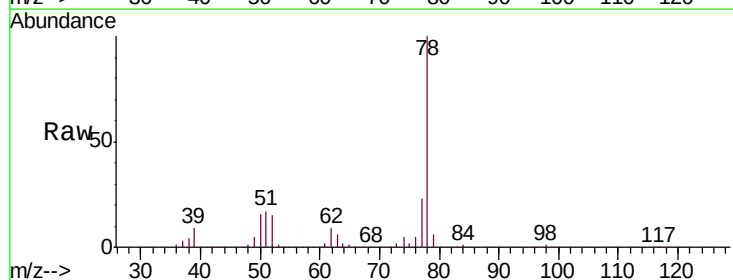
RT: 5.81 min Scan# 1391

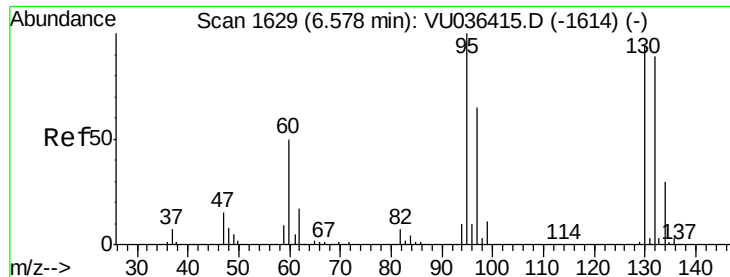
Delta R.T. -0.00 min

Lab File: VU036425.D

Acq: 10 Jan 2020 10:41

Tgt Ion: 78 Resp: 723534





#34

Trichloroethene

Concen: 49.946 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU036425.D

Acq: 10 Jan 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

Tgt Ion: 95 Resp: 192504

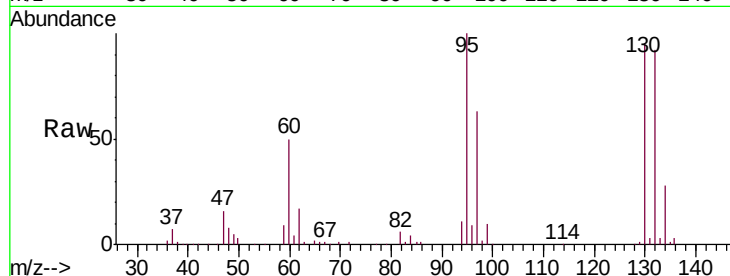
Ion Ratio Lower Upper

95 100

97 63.2 44.5 82.7

132 91.6 64.5 119.9

130 94.7 66.6 123.8



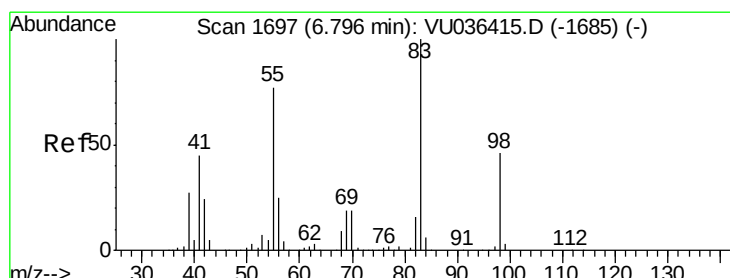
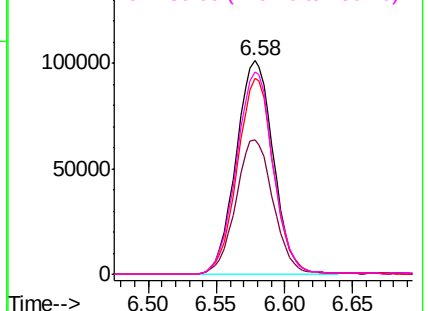
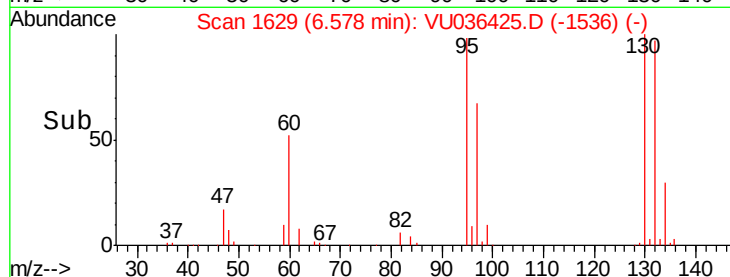
Abundance

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: 48.205 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. 0.00 min

Lab File: VU036425.D

Acq: 10 Jan 2020 10:41

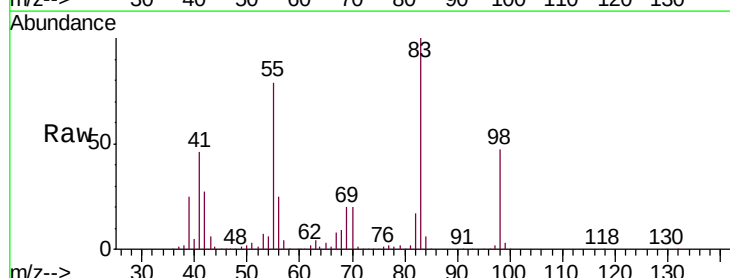
Tgt Ion: 83 Resp: 296554

Ion Ratio Lower Upper

83 100

55 76.8 60.0 90.0

98 46.8 36.2 54.4

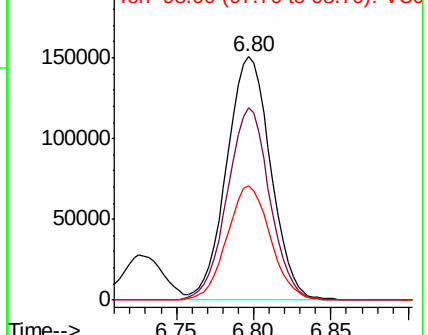
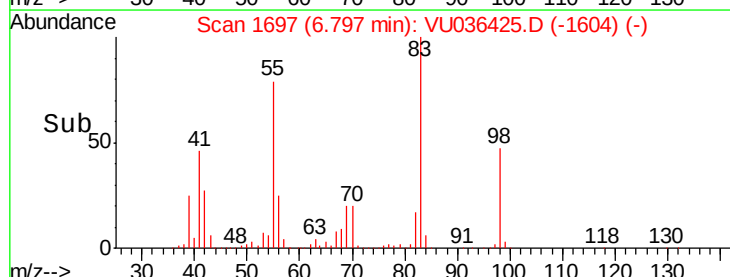


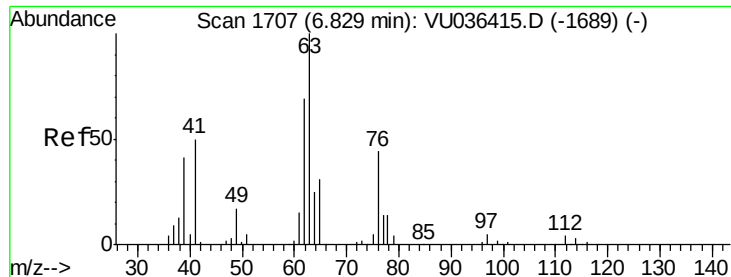
Abundance

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

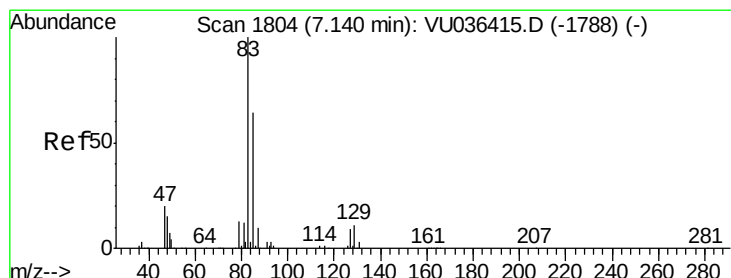
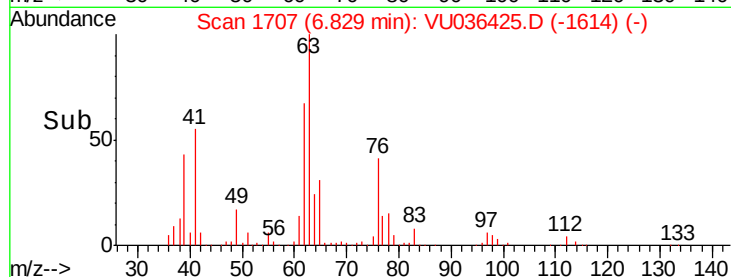
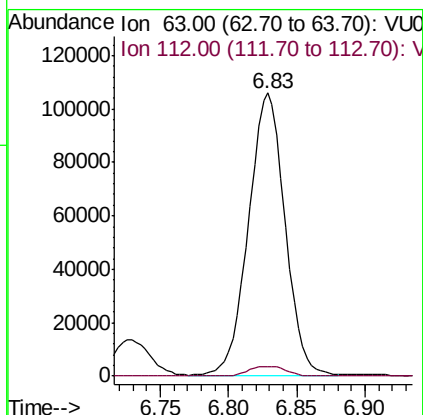
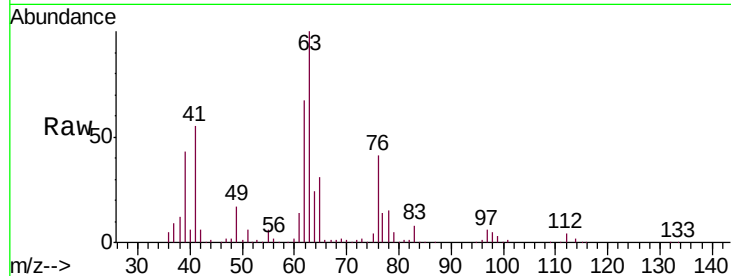




#37
 1,2-Dichloropropane
 Concen: 48.308 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VU036425.D
 Acq: 10 Jan 2020 10:41

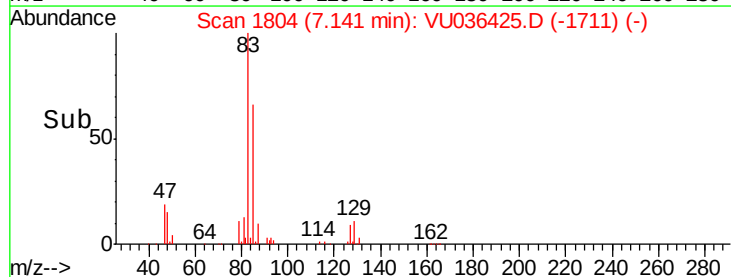
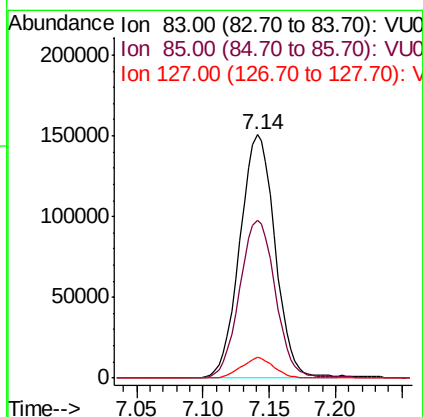
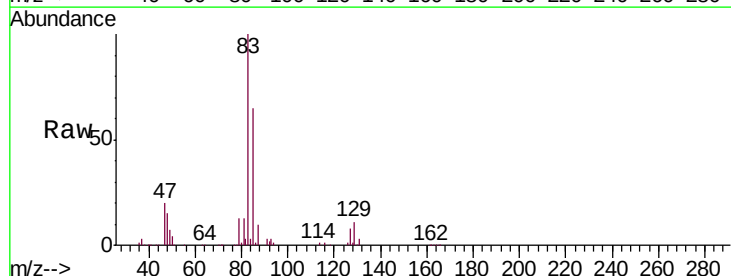
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

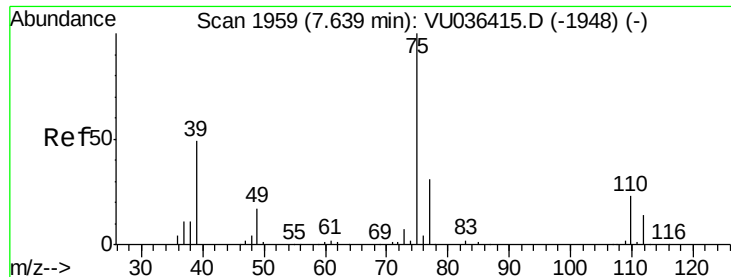
Tgt Ion: 63 Resp: 195566
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.0 4.4



#38
 Bromodichloromethane
 Concen: 48.631 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VU036425.D
 Acq: 10 Jan 2020 10:41

Tgt Ion: 83 Resp: 277739
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.3 84.1
 127 8.5 6.8 10.2

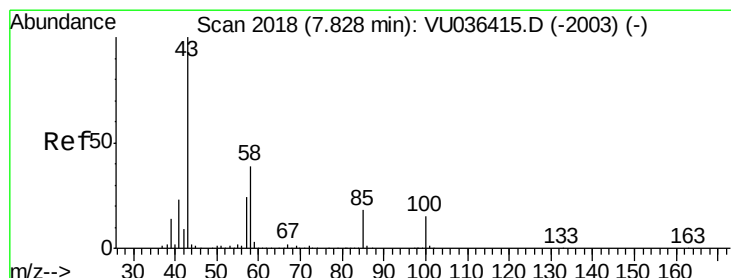
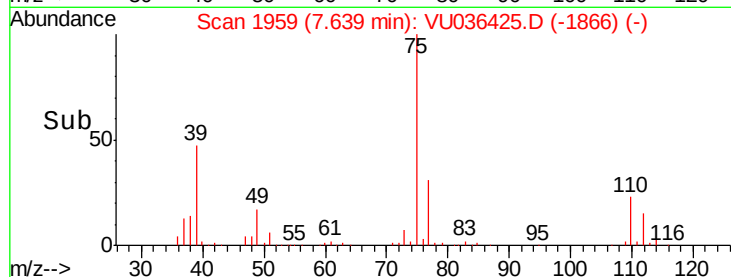
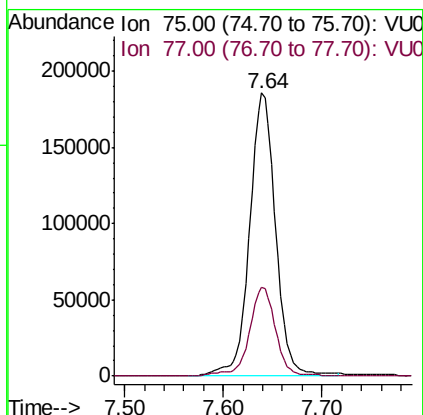
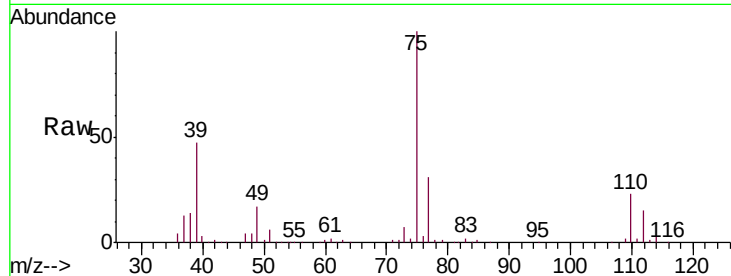




#39
 cis-1,3-Dichloropropene
 Concen: 49.808 ug/L
 RT: 7.64 min Scan# 1959
 Delta R.T. 0.00 min
 Lab File: VU036425.D
 Acq: 10 Jan 2020 10:41

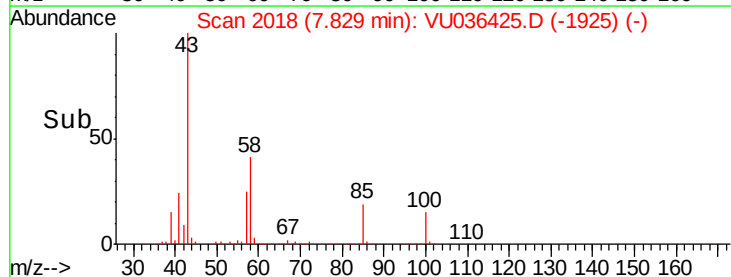
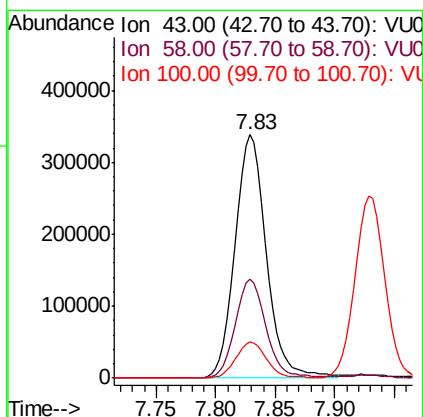
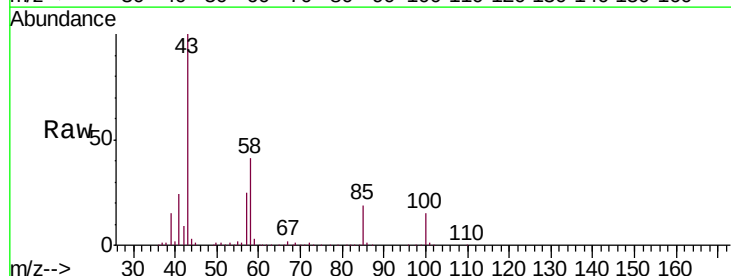
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

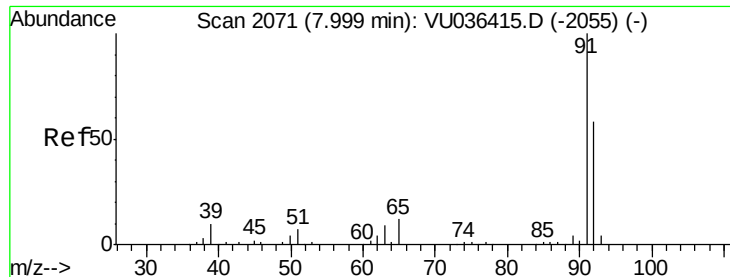
Tgt Ion: 75 Resp: 337555
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 90.085 ug/L
 RT: 7.83 min Scan# 2018
 Delta R.T. 0.00 min
 Lab File: VU036425.D
 Acq: 10 Jan 2020 10:41

Tgt Ion: 43 Resp: 619724
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.6 47.4
 100 14.6 11.6 17.4





#42

Toluene

Concen: 48.405 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036425.D

Acq: 10 Jan 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

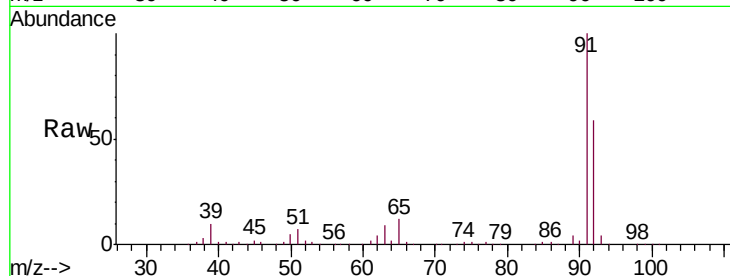
VSTD05058

Tgt Ion: 91 Resp: 796875

Ion Ratio Lower Upper

91 100

92 59.2 39.8 74.0



Abundance Ion 91.00 (90.70 to 91.70): VU036415.D (-2055) (-)

Ion 92.00 (91.70 to 92.70): VU036415.D (-2055) (-)

8.00

500000

400000

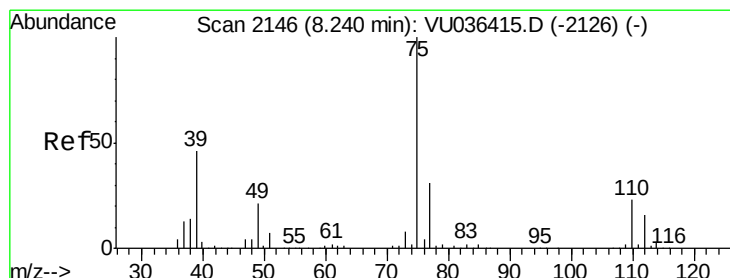
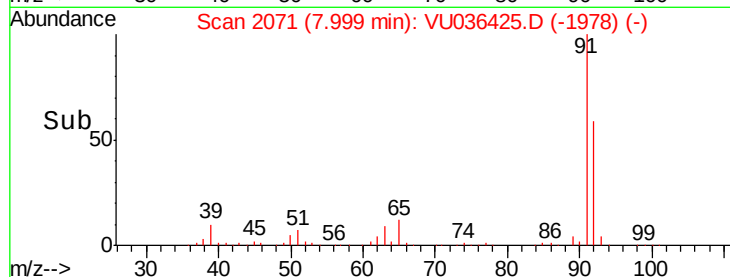
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.524 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU036425.D

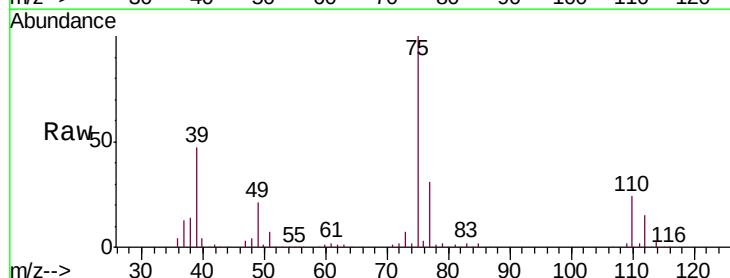
Acq: 10 Jan 2020 10:41

Tgt Ion: 75 Resp: 306362

Ion Ratio Lower Upper

75 100

77 31.4 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VU036415.D (-2126) (-)

Ion 77.00 (76.70 to 77.70): VU036415.D (-2126) (-)

8.24

200000

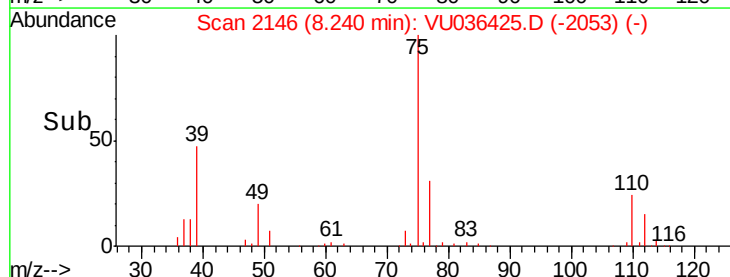
150000

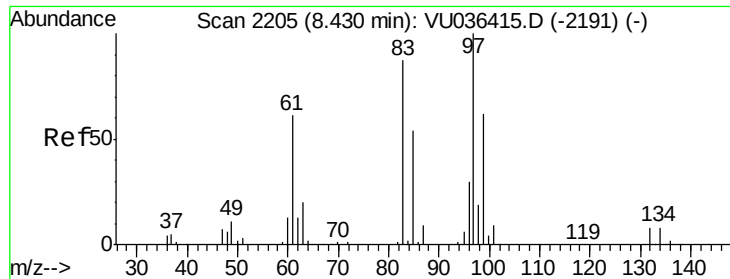
100000

50000

0

Time-->

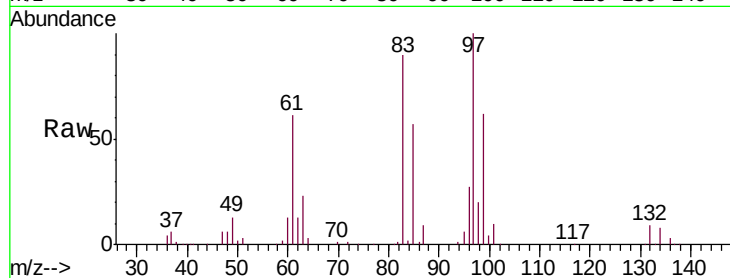




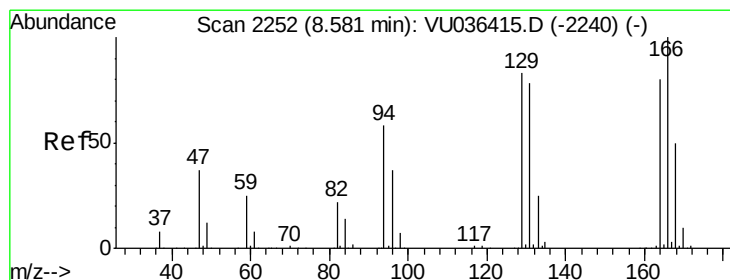
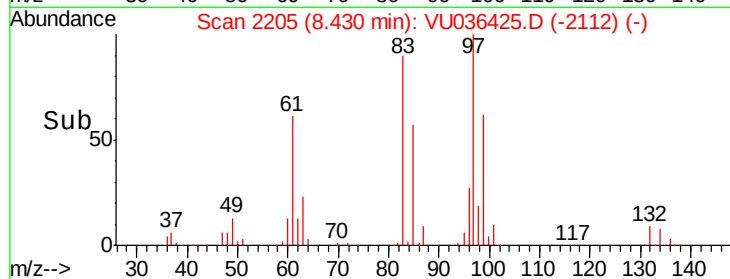
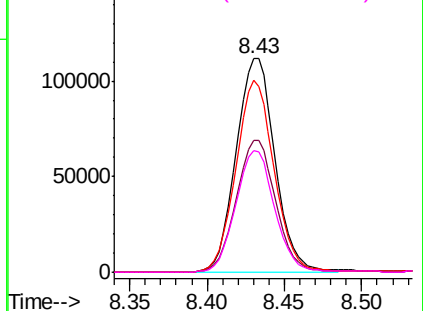
#45
1,1,2-Trichloroethane
Concen: 51.755 ug/L
RT: 8.43 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VU036425.D
Acq: 10 Jan 2020 10:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

Tgt Ion:	97	Resp:	195472
Ion	Ratio	Lower	Upper
97	100		
99	62.0	44.2	82.2
83	89.6	62.5	116.1
85	57.1	38.1	70.7

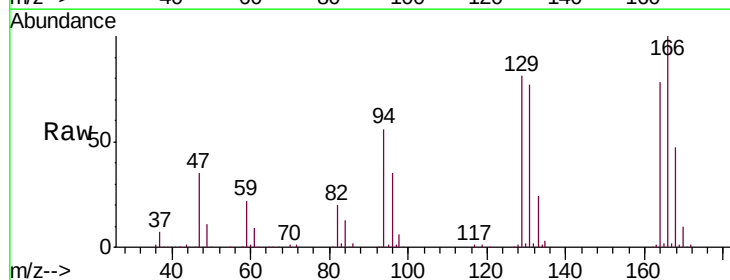


Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

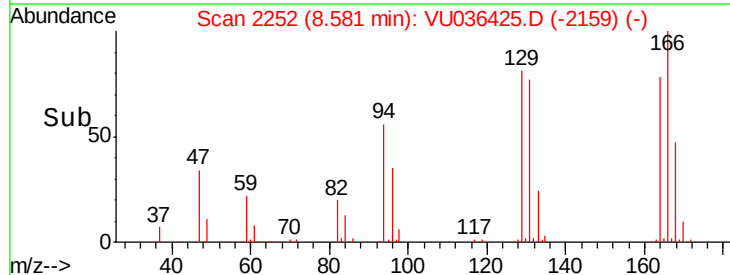
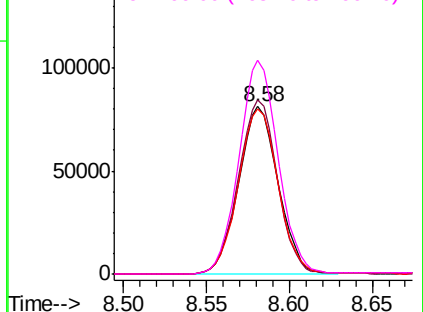


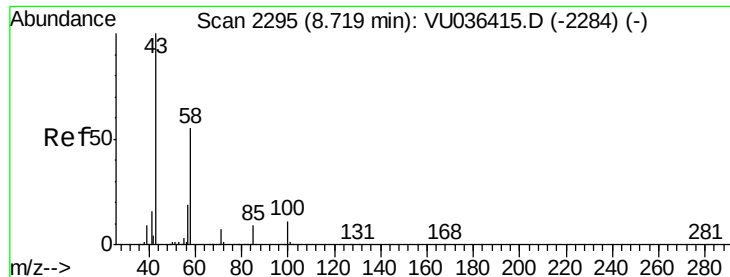
#46
Tetrachloroethene
Concen: 48.721 ug/L
RT: 8.58 min Scan# 2252
Delta R.T. 0.00 min
Lab File: VU036425.D
Acq: 10 Jan 2020 10:41

Tgt Ion:	164	Resp:	135110
Ion	Ratio	Lower	Upper
164	100		
129	103.7	70.0	130.0
131	98.9	70.1	130.1
166	127.6	87.2	161.9



Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

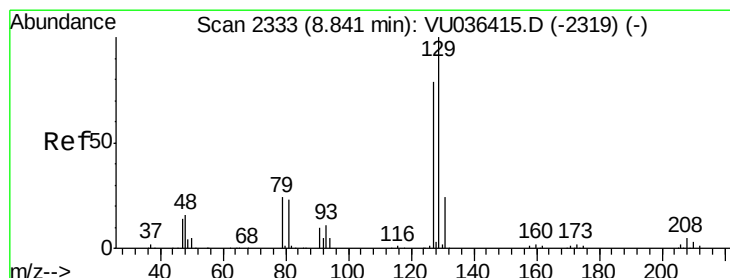
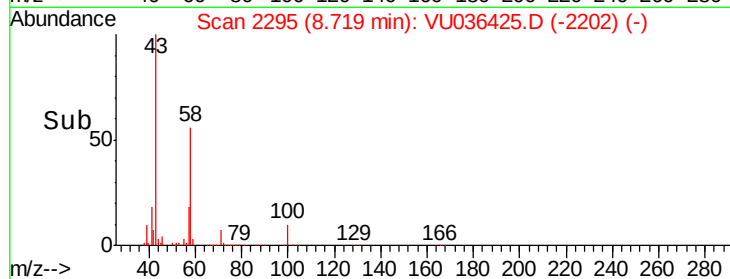
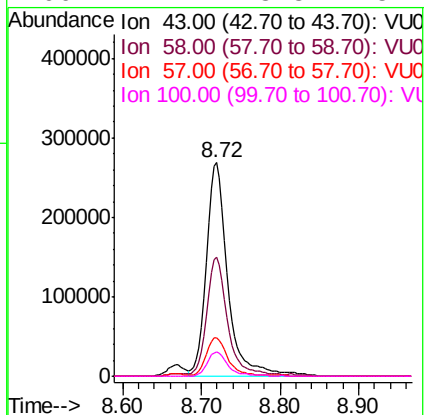
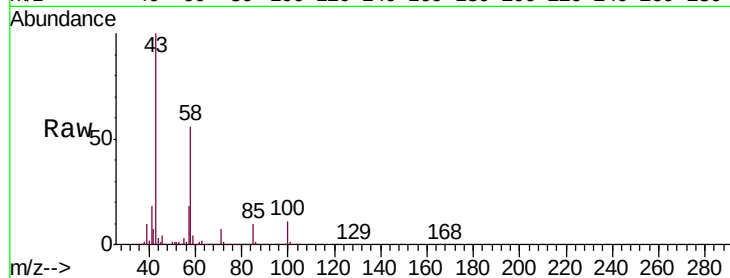




#48
2-Hexanone
Concen: 95.741 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU036425.D
Acq: 10 Jan 2020 10:41

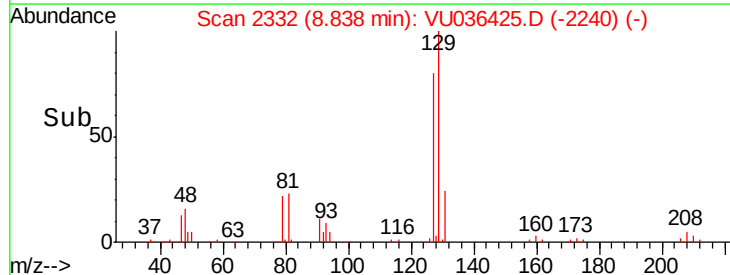
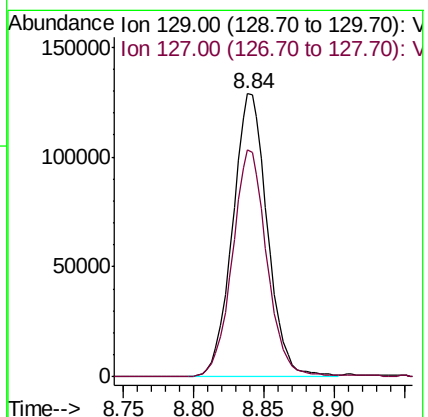
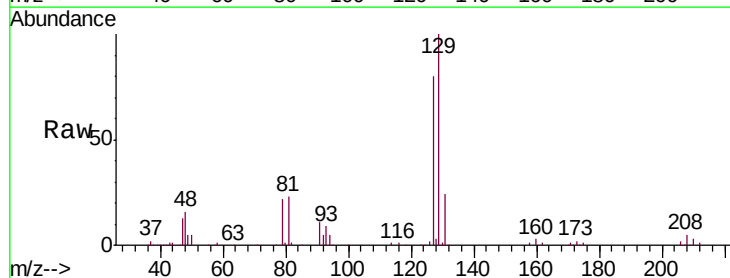
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

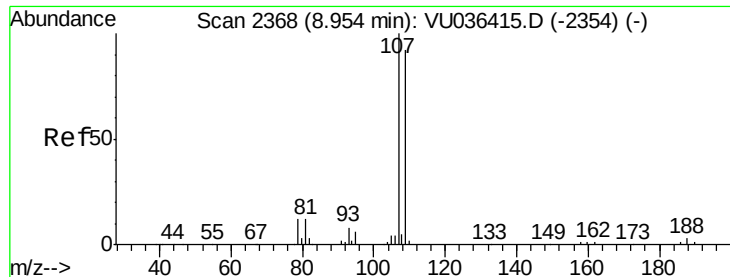
Tgt Ion:	43	Resp:	506779
Ion	Ratio	Lower	Upper
43	100		
58	51.4	42.2	63.4
57	17.1	14.8	22.2
100	11.1	8.8	13.2



#49
Dibromochloromethane
Concen: 48.061 ug/L
RT: 8.84 min Scan# 2332
Delta R.T. -0.00 min
Lab File: VU036425.D
Acq: 10 Jan 2020 10:41

Tgt Ion:	129	Resp:	222808
Ion	Ratio	Lower	Upper
129	100		
127	80.3	54.8	101.8

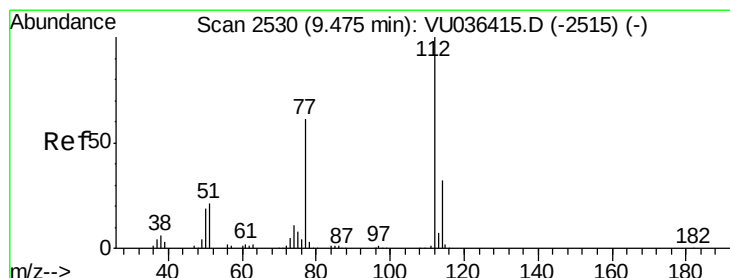
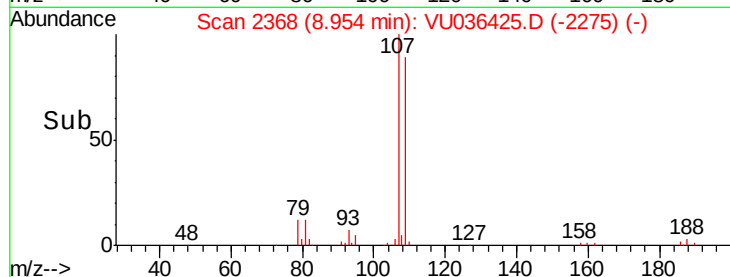
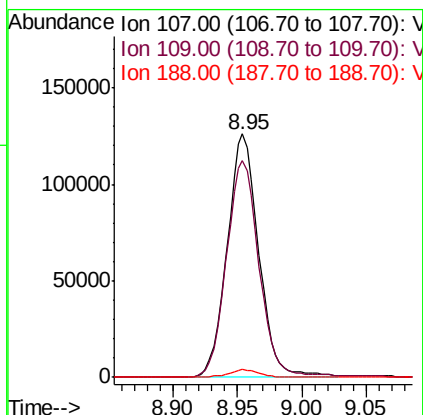
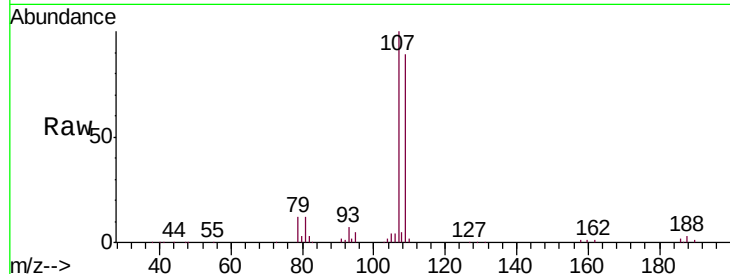




#50
1,2-Dibromoethane
Concen: 48.903 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VU036425.D
Acq: 10 Jan 2020 10:41

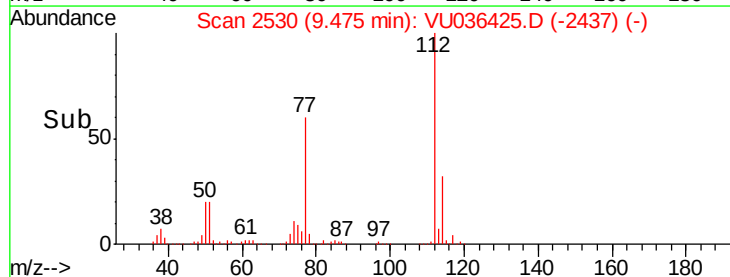
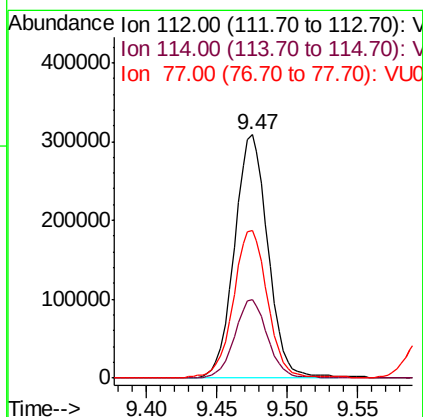
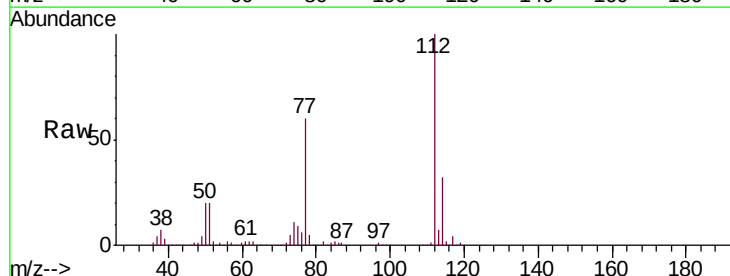
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

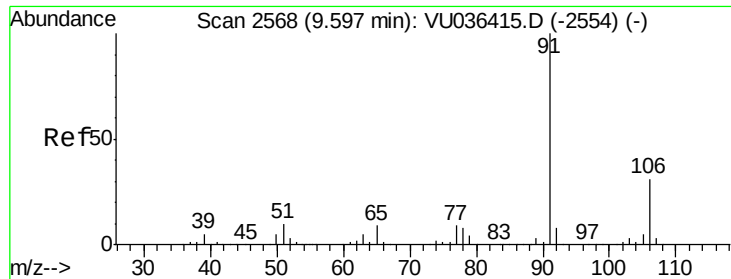
Tgt Ion	Ratio	Lower	Upper
107	100		
109	89.2	67.3	124.9
188	3.1	2.6	3.8



#51
Chlorobenzene
Concen: 49.464 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. 0.00 min
Lab File: VU036425.D
Acq: 10 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.5	41.7
77	60.4	48.7	73.1





#52

Ethylbenzene

Concen: 48.962 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036425.D

Acq: 10 Jan 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

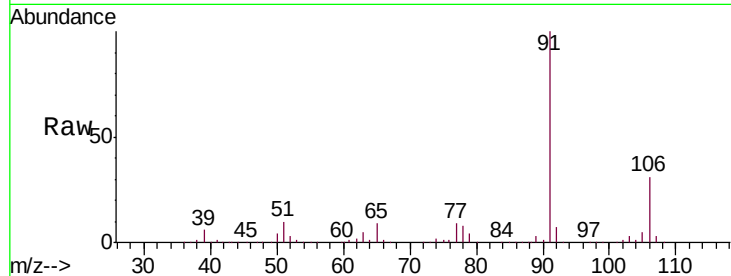
VSTD05058

Tgt Ion: 91 Resp: 917397

Ion Ratio Lower Upper

91 100

106 31.2 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VU036415.D (-2554) (-)

Ion 106.00 (105.70 to 106.70): VU036415.D (-2554) (-)

9.60

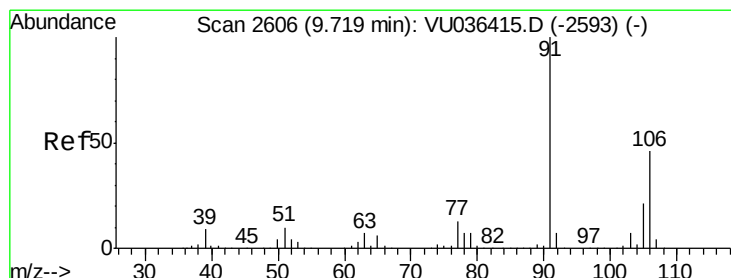
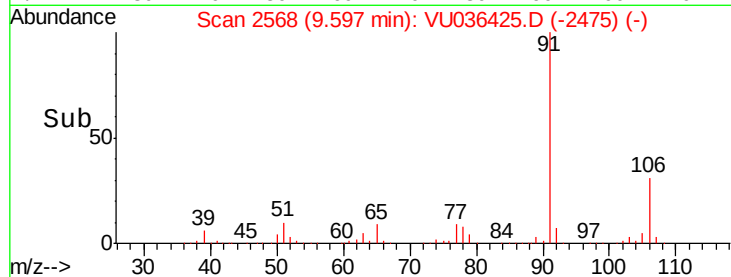
600000

400000

200000

0

Time-->



#53

m,p-Xylene

Concen: 49.285 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036425.D

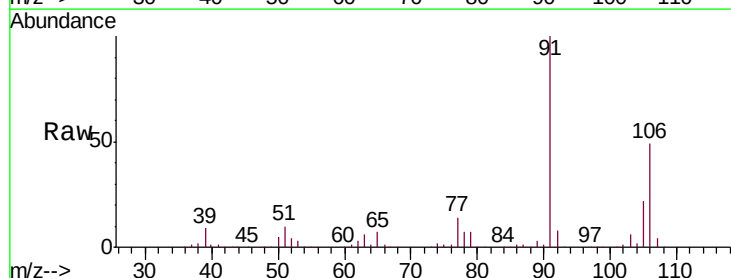
Acq: 10 Jan 2020 10:41

Tgt Ion: 106 Resp: 342548

Ion Ratio Lower Upper

106 100

91 205.2 146.8 272.6



Abundance Ion 106.00 (105.70 to 106.70): VU036415.D (-2593) (-)

Ion 91.00 (90.70 to 91.70): VU036415.D (-2593) (-)

9.72

500000

400000

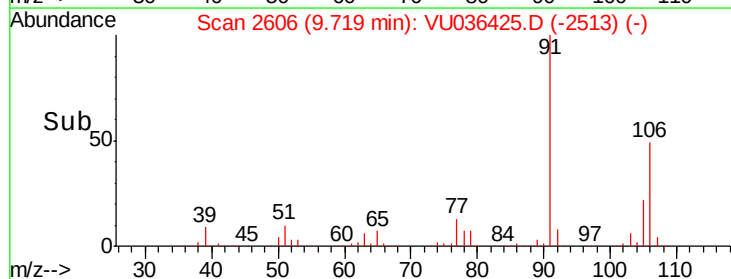
300000

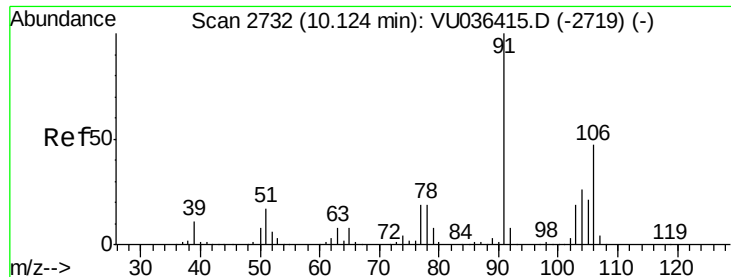
200000

100000

0

Time-->

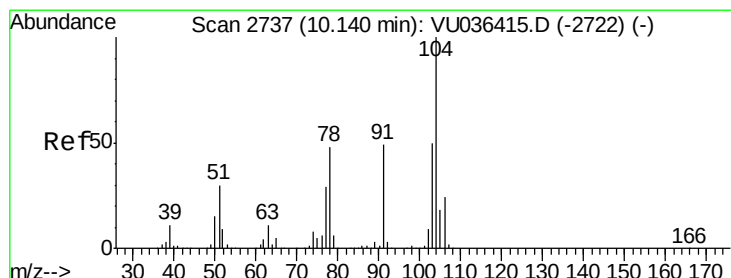
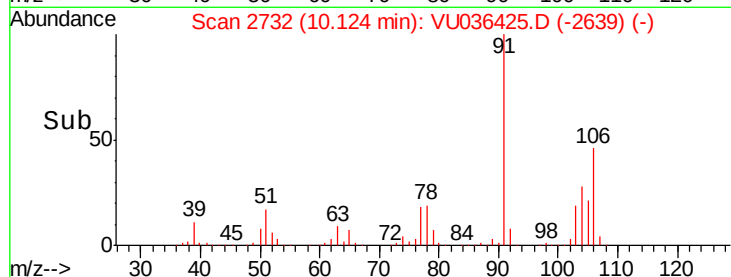
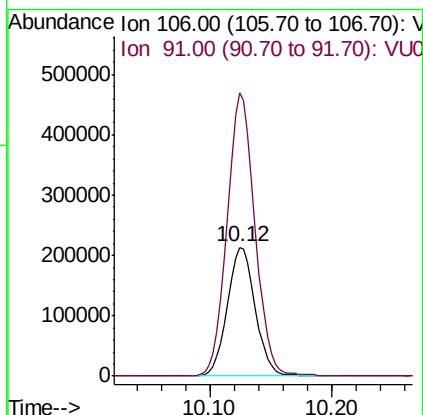
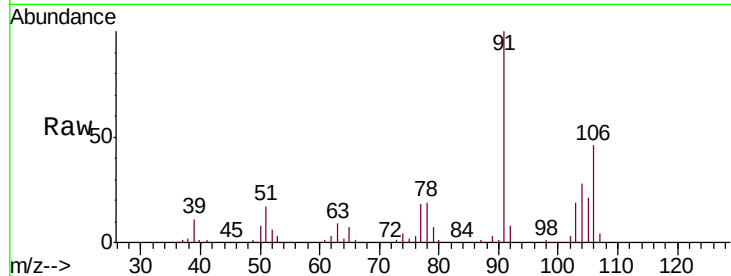




#54
o-xylene
Concen: 49.149 ug/L
RT: 10.12 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU036425.D
Acq: 10 Jan 2020 10:41

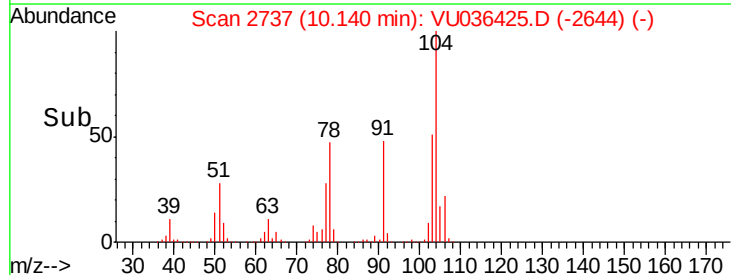
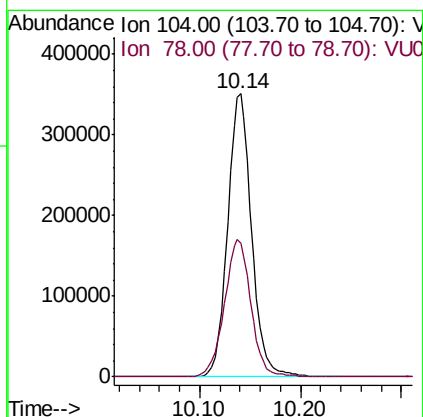
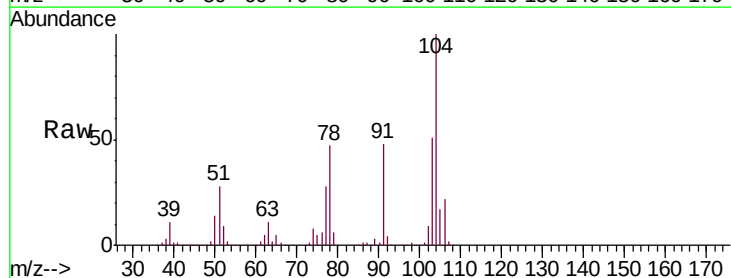
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

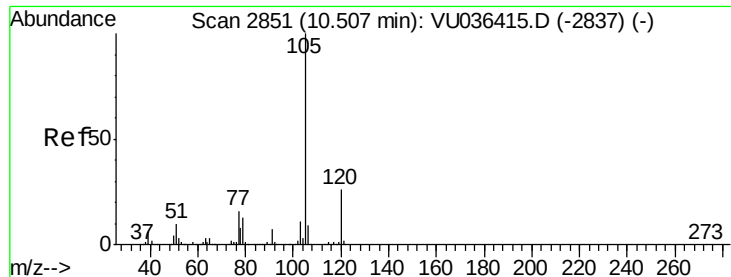
Tgt Ion:106 Resp: 342756
Ion Ratio Lower Upper
106 100
91 219.8 156.4 290.4



#55
Styrene
Concen: 49.341 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036425.D
Acq: 10 Jan 2020 10:41

Tgt Ion:104 Resp: 581811
Ion Ratio Lower Upper
104 100
78 47.3 33.9 63.0





#56

Isopropylbenzene

Concen: 50.174 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036425.D

Acq: 10 Jan 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

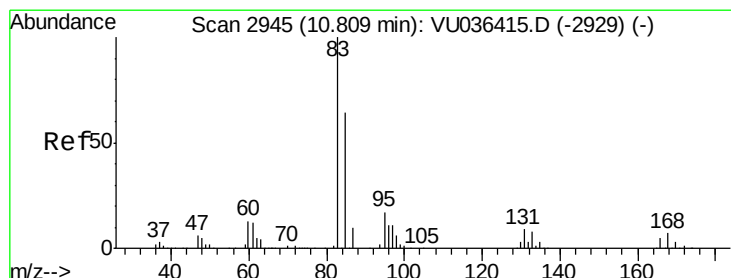
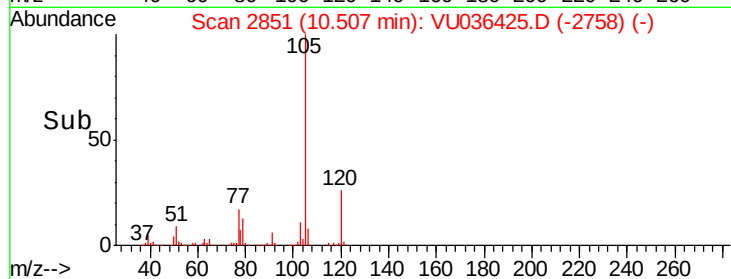
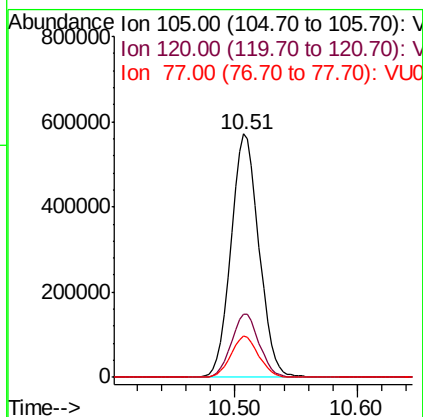
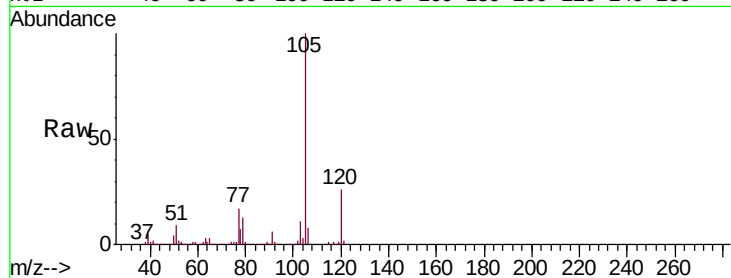
Tgt Ion:105 Resp: 911995

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.4

77 16.8 13.3 19.9



#58

1,1,2,2-Tetrachloroethane

Concen: 49.614 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036425.D

Acq: 10 Jan 2020 10:41

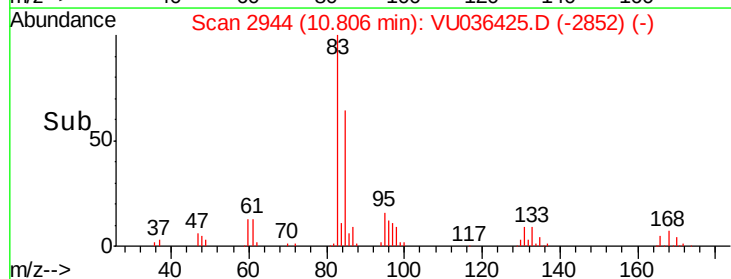
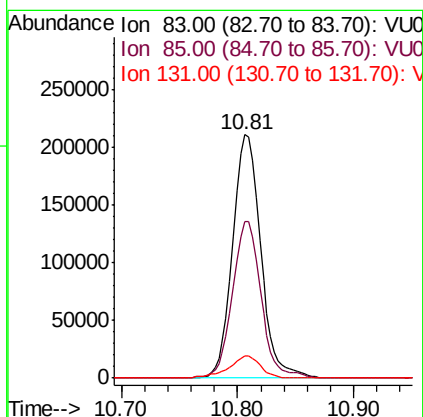
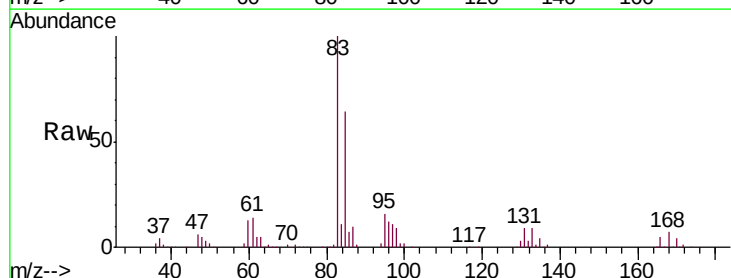
Tgt Ion: 83 Resp: 354199

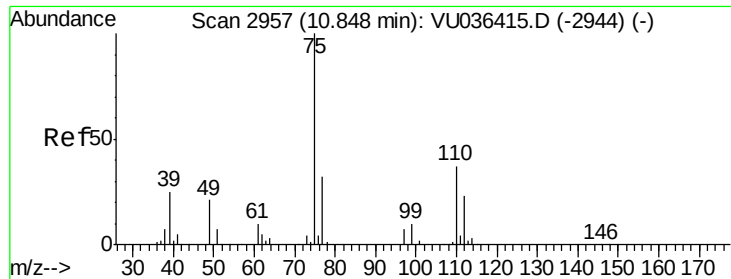
Ion Ratio Lower Upper

83 100

85 64.1 45.3 84.1

131 9.1 7.5 11.3





#59

1,2,3-Trichloropropane

Concen: 48.281 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. 0.00 min

Lab File: VU036425.D

Acq: 10 Jan 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

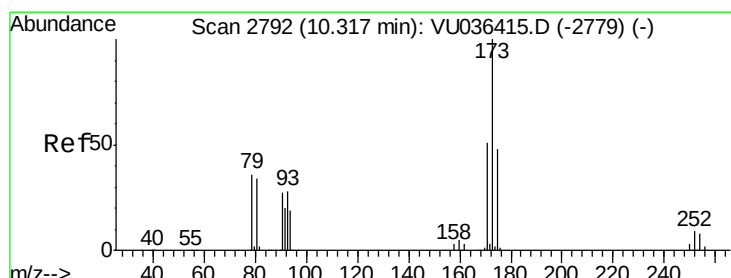
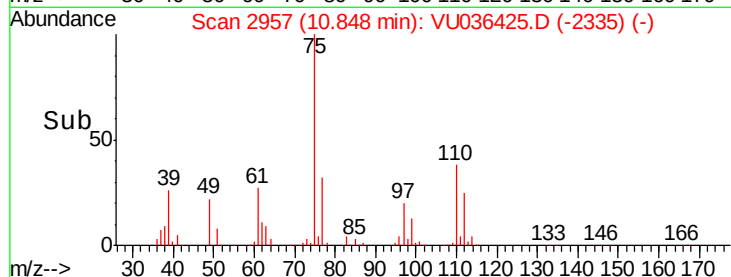
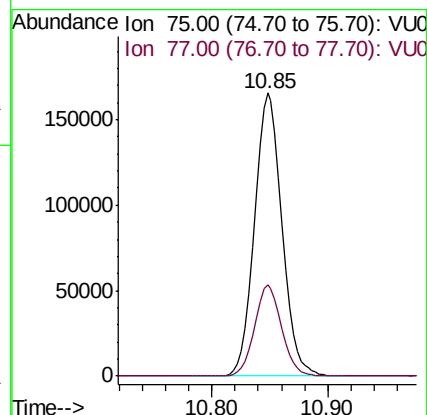
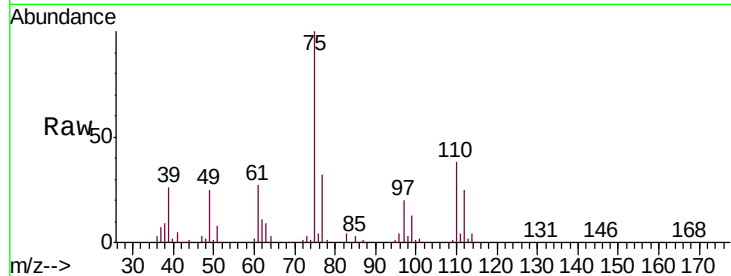
VSTD05058

Tgt Ion: 75 Resp: 274239

Ion Ratio Lower Upper

75 100

77 31.6 26.3 39.5



#61

Bromoform

Concen: 46.702 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036425.D

Acq: 10 Jan 2020 10:41

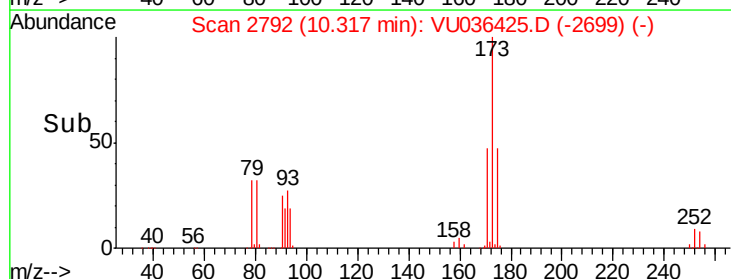
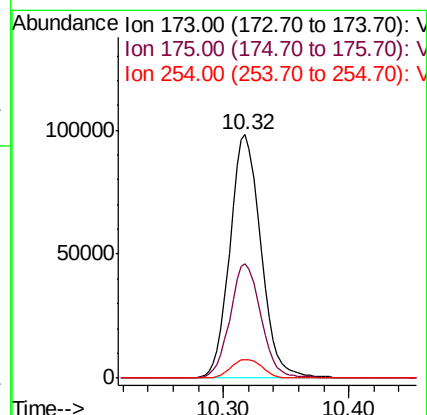
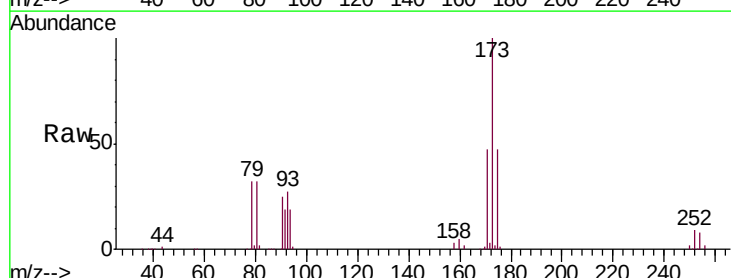
Tgt Ion: 173 Resp: 169009

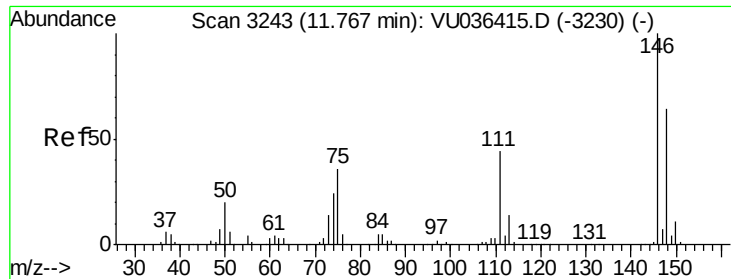
Ion Ratio Lower Upper

173 100

175 47.0 38.7 58.1

254 7.7 6.9 10.3





#62

1,3-Dichlorobenzene

Concen: 49.064 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. 0.00 min

Lab File: VU036425.D

Acq: 10 Jan 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

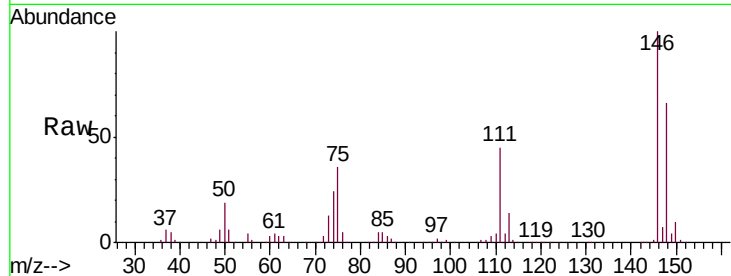
Tgt Ion:146 Resp: 386110

Ion Ratio Lower Upper

146 100

111 44.5 29.1 54.1

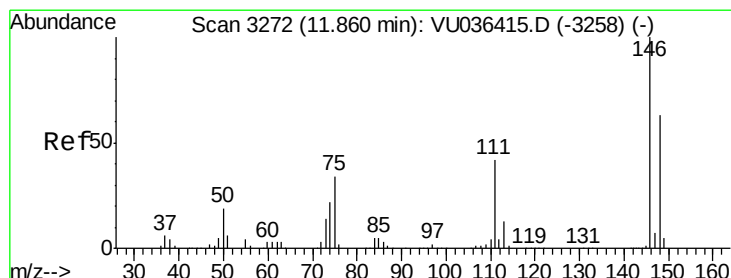
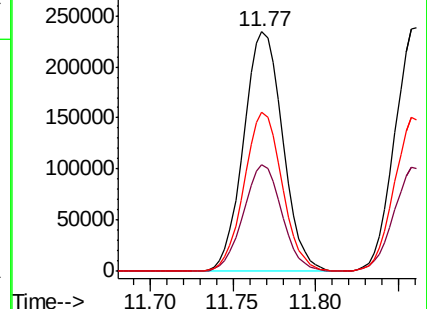
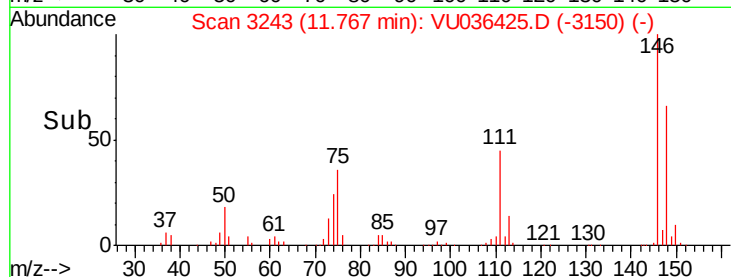
148 66.5 46.9 87.1



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: 49.179 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VU036425.D

Acq: 10 Jan 2020 10:41

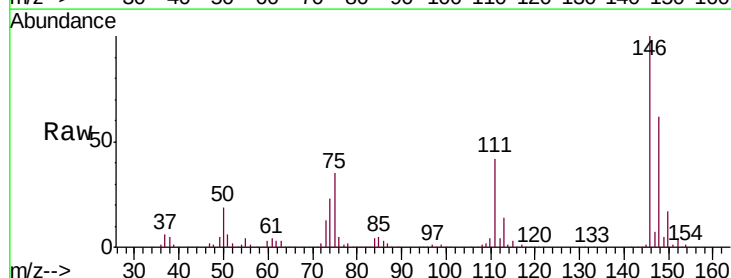
Tgt Ion:146 Resp: 383904

Ion Ratio Lower Upper

146 100

111 42.0 29.7 55.1

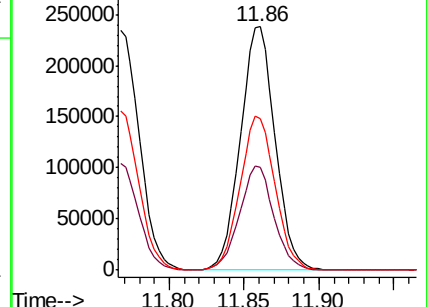
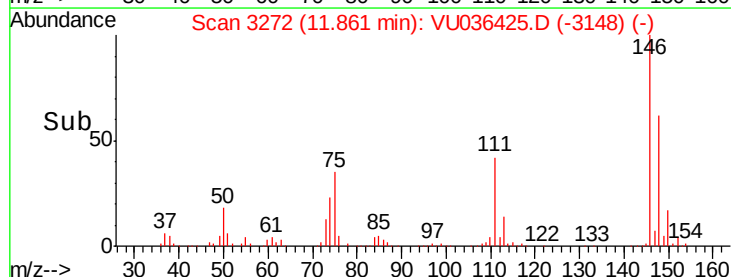
148 62.4 45.6 84.6

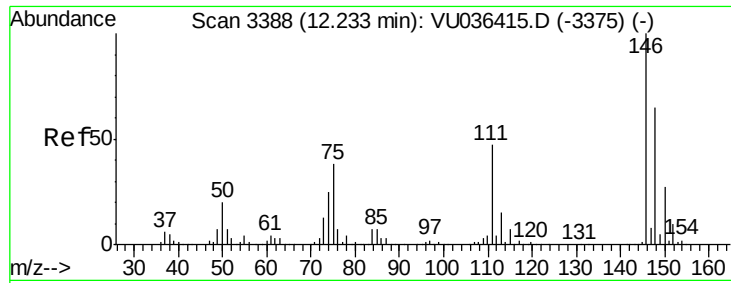


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

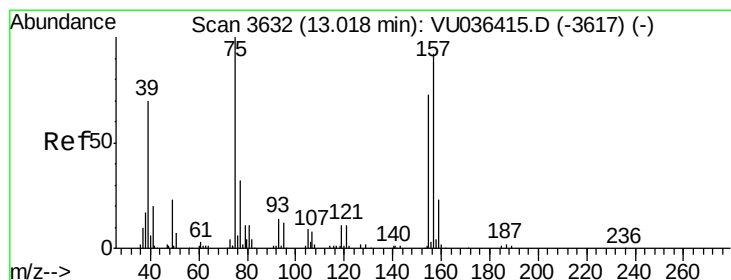
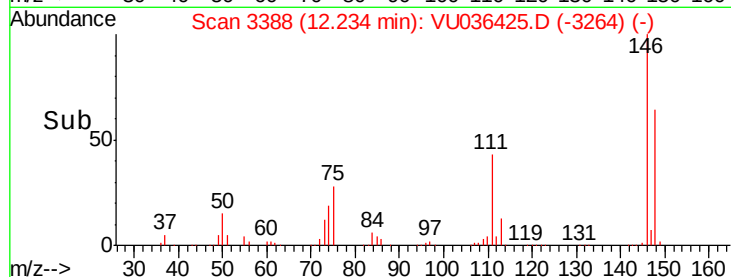
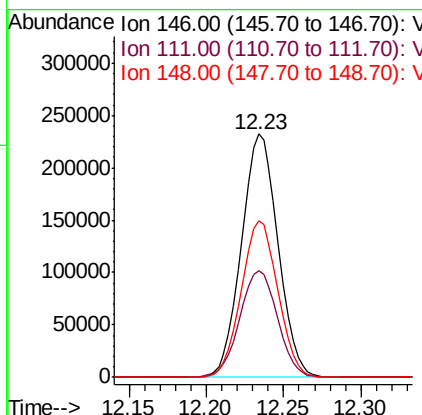
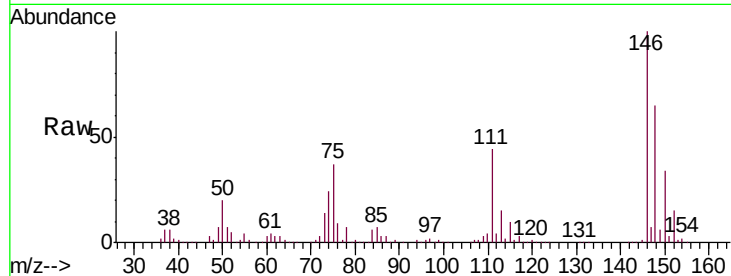




#65
 1,2-Dichlorobenzene
 Concen: 48.451 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036425.D
 Acq: 10 Jan 2020 10:41

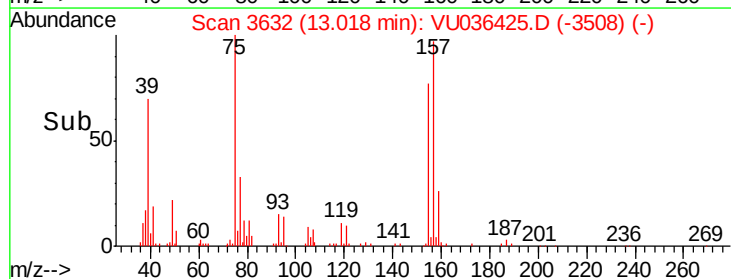
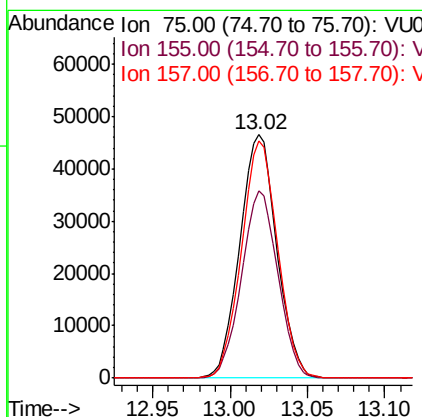
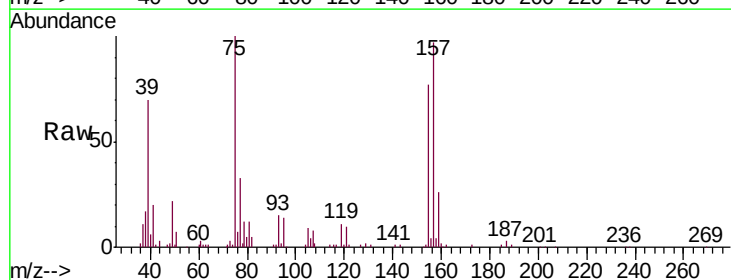
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

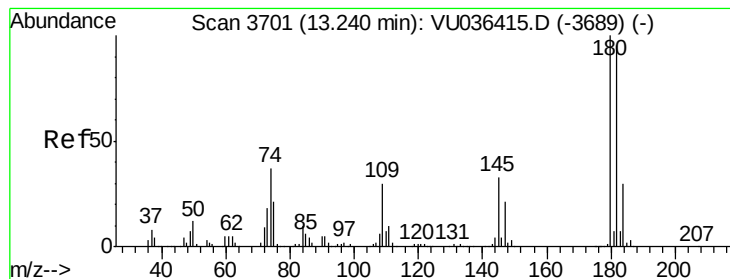
Tgt Ion: 146 Resp: 382020
 Ion Ratio Lower Upper
 146 100
 111 43.6 33.4 50.2
 148 64.5 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 42.120 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU036425.D
 Acq: 10 Jan 2020 10:41

Tgt Ion: 75 Resp: 77496
 Ion Ratio Lower Upper
 75 100
 155 76.8 61.8 92.6
 157 97.3 84.2 126.2





#67

1,3,5-Trichlorobenzene

Concen: 47.015 ug/L

RT: 13.24 min Scan# 3700

Delta R.T. -0.00 min

Lab File: VU036425.D

Acq: 10 Jan 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

Tgt Ion:180 Resp: 245687

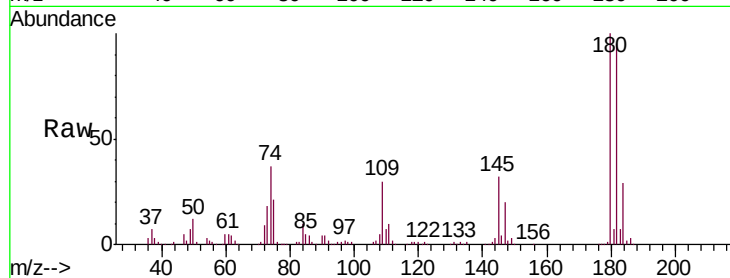
Ion Ratio Lower Upper

180 100

182 95.5 74.6 112.0

184 29.8 23.9 35.9

145 31.8 25.4 38.2

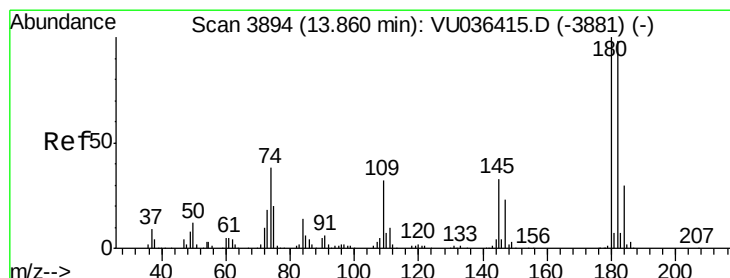
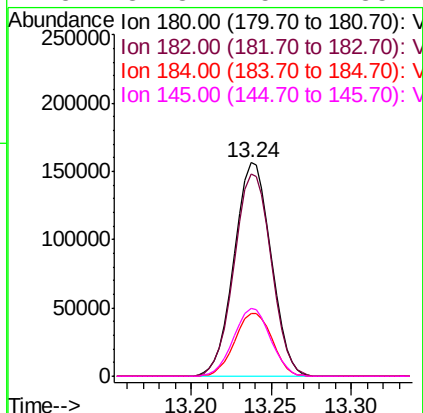
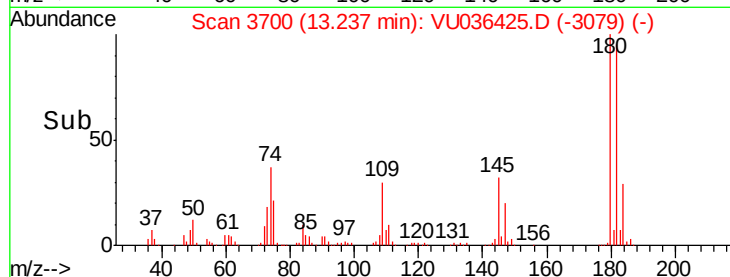


Abundance Ion 180.00 (179.70 to 180.70): V

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: 44.832 ug/L

RT: 13.86 min Scan# 3894

Delta R.T. 0.00 min

Lab File: VU036425.D

Acq: 10 Jan 2020 10:41

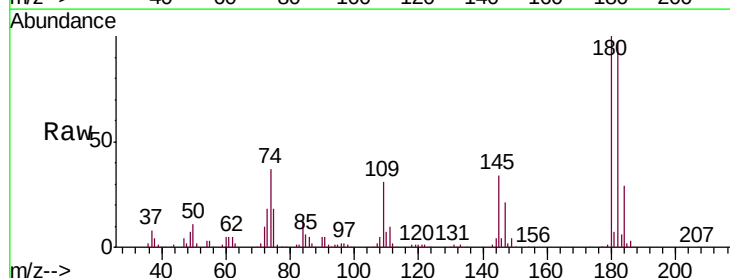
Tgt Ion:180 Resp: 177554

Ion Ratio Lower Upper

180 100

182 97.4 78.0 117.0

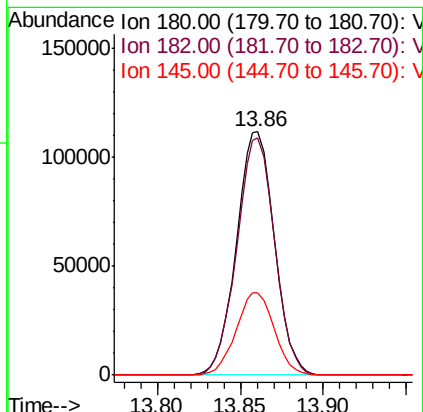
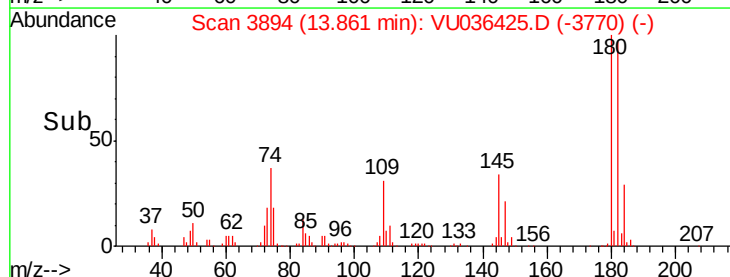
145 34.0 26.0 39.0

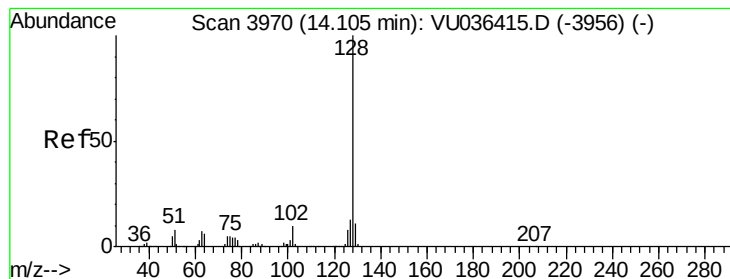


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 41.602 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. 0.00 min

Lab File: VU036425.D

Acq: 10 Jan 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

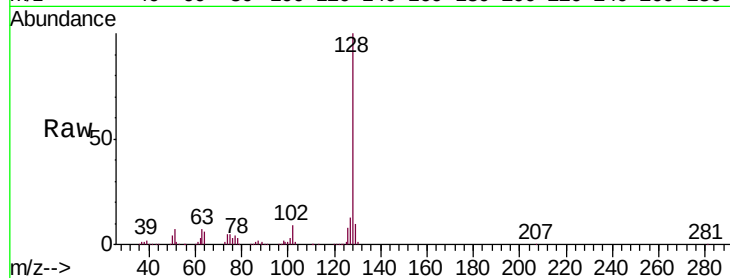
Tgt Ion:128 Resp: 566151

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

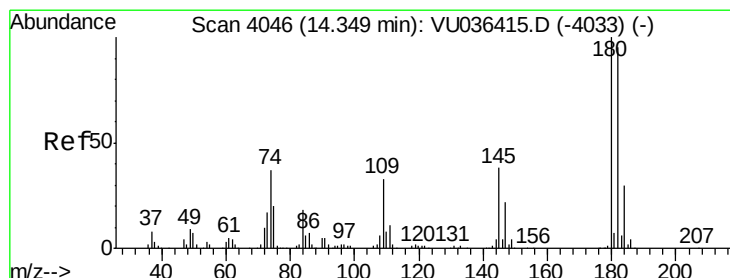
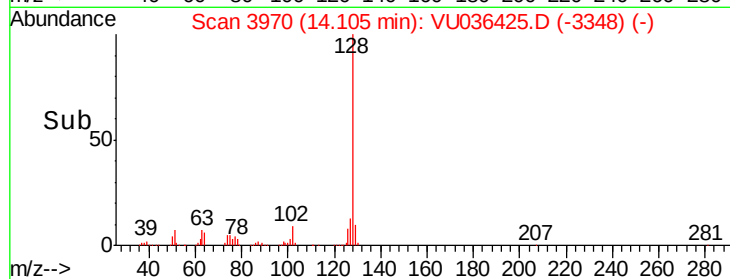
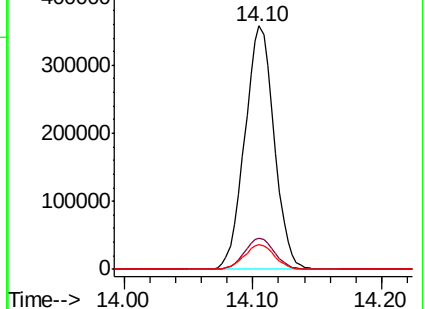
129 10.5 8.5 12.7



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: 44.093 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. 0.00 min

Lab File: VU036425.D

Acq: 10 Jan 2020 10:41

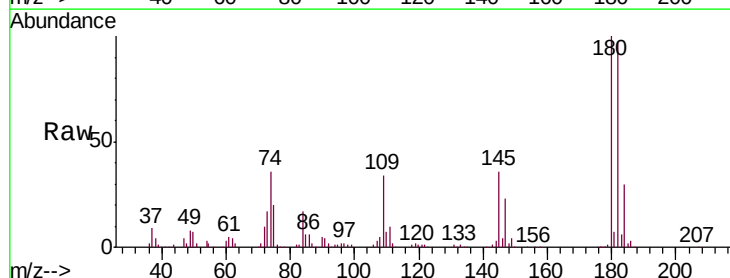
Tgt Ion:180 Resp: 183389

Ion Ratio Lower Upper

180 100

182 95.8 75.4 113.2

145 36.6 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

