

Data File : VU035075.D
Acq On : 11 Oct 2019 02:42
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

Quant Time: Oct 11 04:48:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 11 04:39:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	170408	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	177987	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	86580	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	46843	4.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.00%
7) Chloroethane-d5	1.67	69	43331	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.20%
11) 1,1-Dichloroethene-d2	2.26	63	99976	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.20%
20) 2-Butanone-d5	4.17	46	145913	49.19	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.38%
24) Chloroform-d	4.62	84	88141	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.29	65	51362	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
32) Benzene-d6	5.32	84	177826	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
36) 1,2-Dichloropropane-d6	6.31	67	62288	4.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.20%
41) Toluene-d8	7.54	98	173416	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
43) trans-1,3-Dichloropropene-	7.83	79	19431	3.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.40%
46) 2-Hexanone-d5	8.30	63	106087	44.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.84%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	53407	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.80%
64) 1,2-Dichlorobenzene-d4	11.84	152	65522	4.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	73872	4.744 ug/L	98
3) Chloromethane	1.32	50	79593	4.659 ug/L	99
5) Vinyl chloride	1.40	62	80357	4.789 ug/L	100
6) Bromomethane	1.62	94	39374	4.221 ug/L	95
8) Chloroethane	1.69	64	48764	4.845 ug/L	97
9) Trichlorofluoromethane	1.88	101	101265	4.990 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	55644	4.775 ug/L	98
12) 1,1-Dichloroethene	2.27	96	52681	4.813 ug/L	86
13) Acetone	2.31	43	114439	47.103 ug/L	95
14) Carbon disulfide	2.47	76	162894	4.472 ug/L	99
15) Methyl Acetate	2.60	43	31052	4.801 ug/L	98
16) Methylene chloride	2.68	84	63207	4.665 ug/L	84
17) Methyl tert-butyl Ether	2.99	73	147827	4.950 ug/L	97
18) trans-1,2-Dichloroethene	2.96	96	54884	4.683 ug/L	93
19) 1,1-Dichloroethane	3.42	63	117804	5.057 ug/L	98
21) 2-Butanone	4.25	43	166387	48.090 ug/L	97
22) cis-1,2-Dichloroethene	4.20	96	61414	4.698 ug/L	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.53	128	27881	5.088	ug/L	92
25) Chloroform	4.65	83	124634	4.762	ug/L	99
27) 1,2-Dichloroethane	5.39	62	74440	4.870	ug/L	99
29) 1,1,1-Trichloroethane	4.89	97	95251	4.765	ug/L	97
30) Cyclohexane	4.97	56	94780	4.312	ug/L	96
31) Carbon tetrachloride	5.11	117	81345	4.693	ug/L	99
33) Benzene	5.37	78	247030	4.608	ug/L	100
34) Trichloroethene	6.16	95	62271	4.504	ug/L	98
35) Methylcyclohexane	6.39	83	93086	4.157	ug/L	97
37) 1,2-Dichloropropane	6.41	63	68721	4.752	ug/L	100
38) Bromodichloromethane	6.74	83	78899	4.654	ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	84176	4.296	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	428760	47.105	ug/L	95
42) Toluene	7.62	91	267062	4.772	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	65244	4.299	ug/L	96
45) 1,1,2-Trichloroethane	8.05	97	46903	4.885	ug/L	95
47) Tetrachloroethene	8.21	164	49037	4.381	ug/L	95
48) 2-Hexanone	8.35	43	296745	47.549	ug/L	94
49) Dibromochloromethane	8.46	129	53553	4.825	ug/L	97
50) 1,2-Dibromoethane	8.57	107	43567	4.747	ug/L	99
51) Chlorobenzene	9.10	112	169388	4.671	ug/L	99
52) Ethylbenzene	9.23	91	287032	4.644	ug/L	100
53) m,p-Xylene	9.36	106	106153	4.649	ug/L	98
54) o-Xylene	9.76	106	104849	4.695	ug/L	97
55) Styrene	9.77	104	173354	4.794	ug/L	100
56) Isopropylbenzene	10.15	105	276485	4.648	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	63604	4.871	ug/L	97
59) 1,2,3-Trichloropropane	10.48	75	44751	4.780	ug/L	99
61) Bromoform	9.94	173	27864	4.692	ug/L	96
62) 1,3-Dichlorobenzene	11.40	146	127262	4.771	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	126715	4.707	ug/L	100
65) 1,2-Dichlorobenzene	11.86	146	123435	4.796	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.64	75	7883	4.820	ug/L	93
67) 1,3,5-Trichlorobenzene	12.86	180	79247	4.388	ug/L	98
68) 1,2,4-trichlorobenzene	13.49	180	50662	3.756	ug/L	99
69) Naphthalene	13.73	128	69718	3.324	ug/L	97
70) 1,2,3-Trichlorobenzene	13.97	180	52565	4.008	ug/L	98

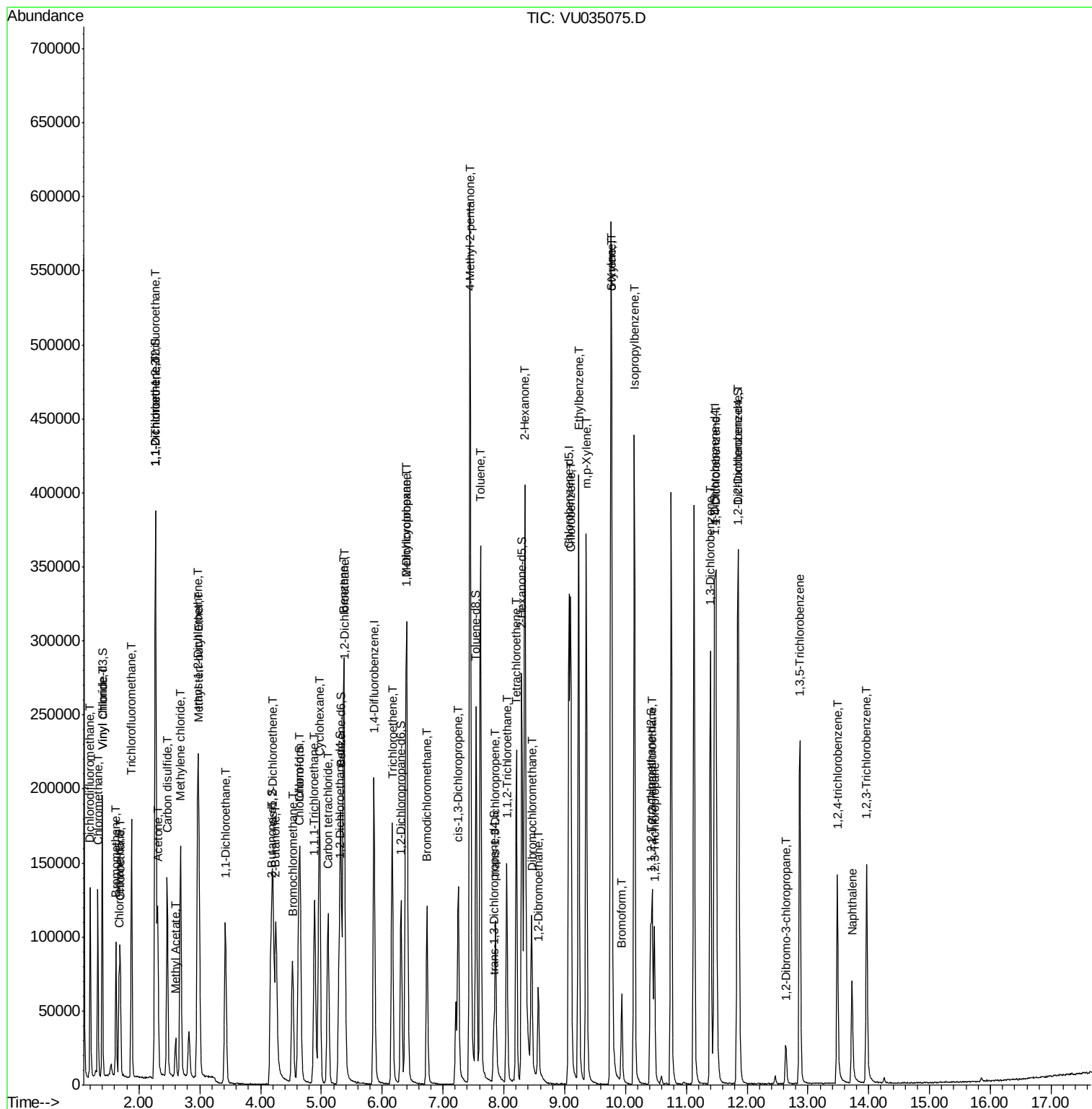
(#) = qualifier out of range (m) = manual integration (+) = signals summed

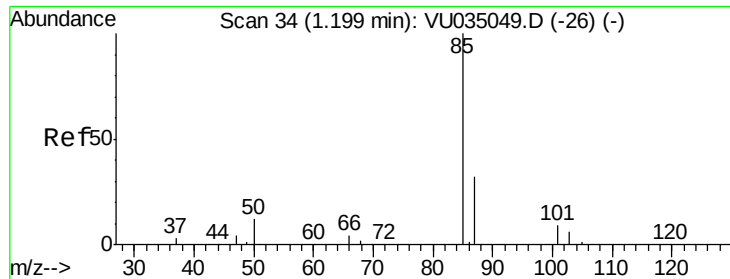
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#2

Dichlorodifluoromethane

Concen: 4.744 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU035075.D

Acq: 11 Oct 2019 02:42

Instrument :

MSVOA_U

ClientSampleId :

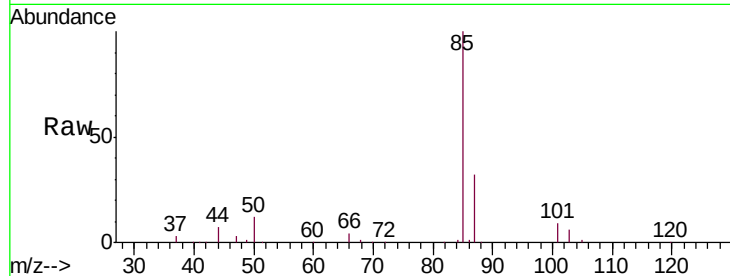
VSTD00513

Tgt Ion: 85 Resp: 73872

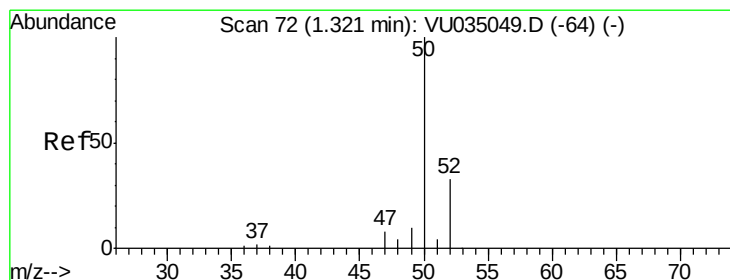
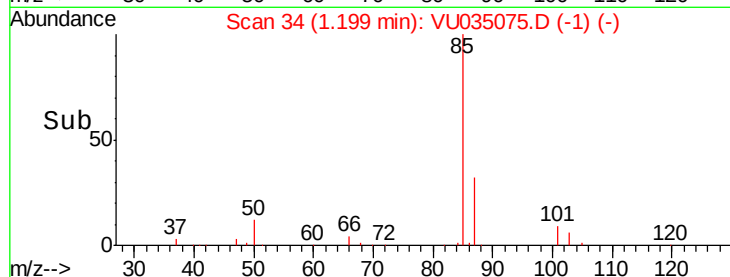
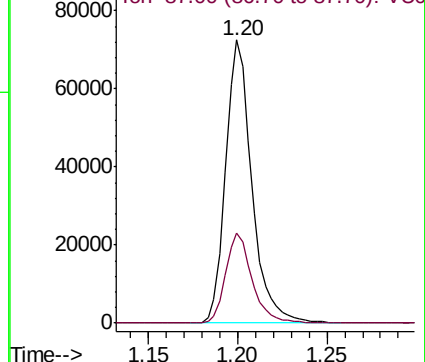
Ion Ratio Lower Upper

85 100

87 31.8 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU035049.D (-26) (-)



#3

Chloromethane

Concen: 4.659 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU035075.D

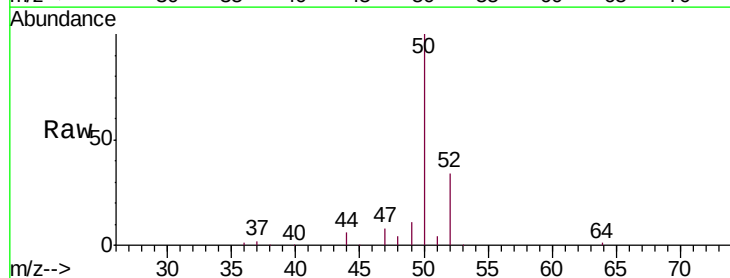
Acq: 11 Oct 2019 02:42

Tgt Ion: 50 Resp: 79593

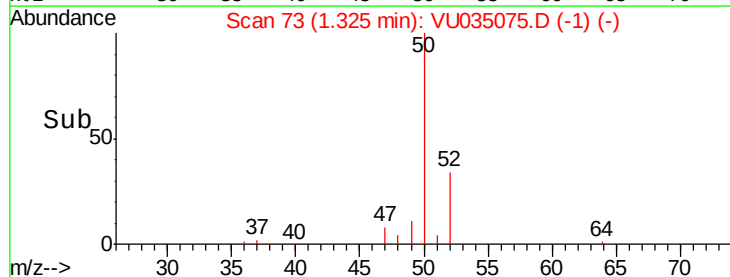
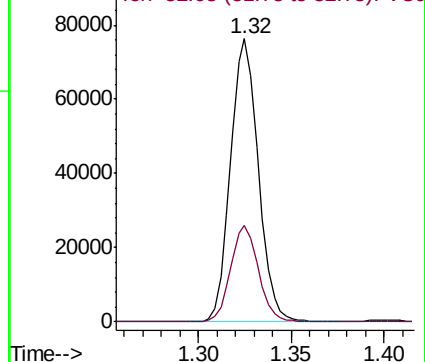
Ion Ratio Lower Upper

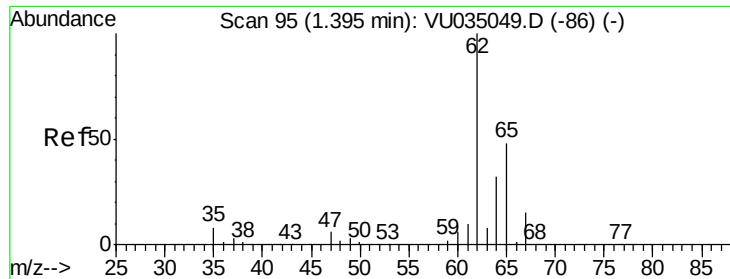
50 100

52 34.1 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU035049.D (-64) (-)





#5

Vinyl chloride

Concen: 4.789 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU035075.D

Acq: 11 Oct 2019 02:42

Instrument :

MSVOA_U

ClientSampleId :

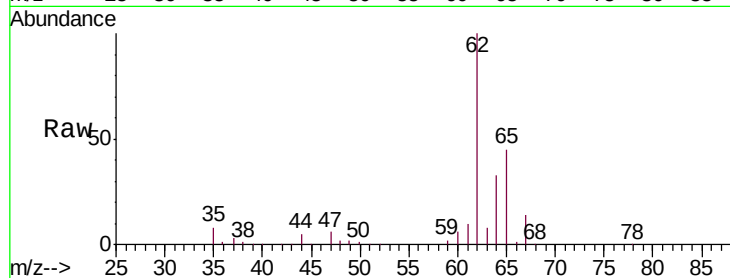
VSTD00513

Tgt Ion: 62 Resp: 80357

Ion Ratio Lower Upper

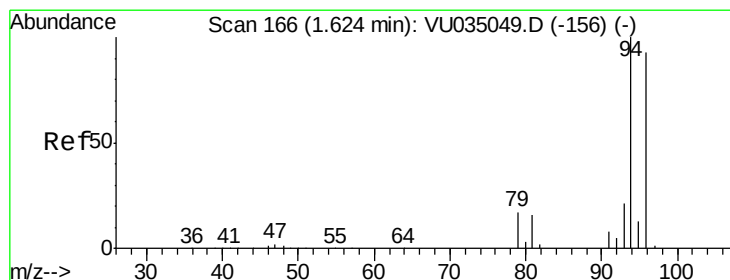
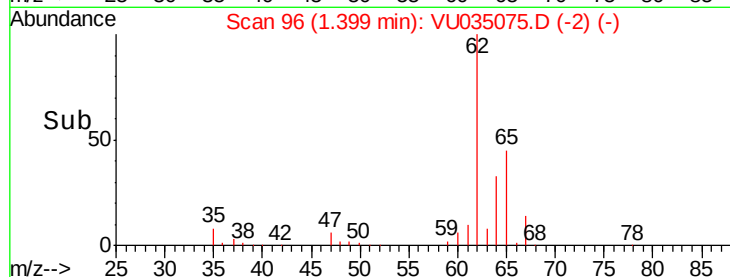
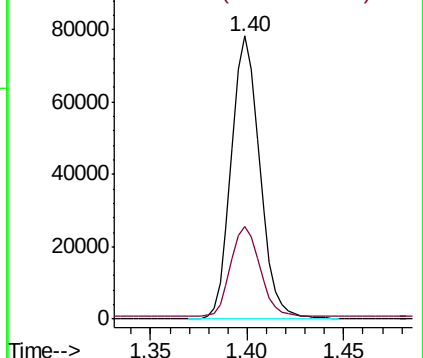
62 100

64 32.6 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU035049.D (-86) (-)

Ion 64.10 (63.80 to 64.80): VU035049.D (-86) (-)



#6

Bromomethane

Concen: 4.221 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035075.D

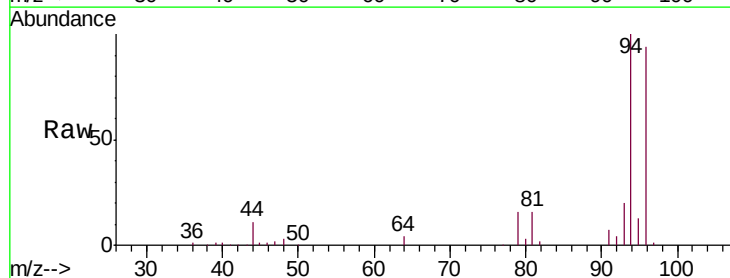
Acq: 11 Oct 2019 02:42

Tgt Ion: 94 Resp: 39374

Ion Ratio Lower Upper

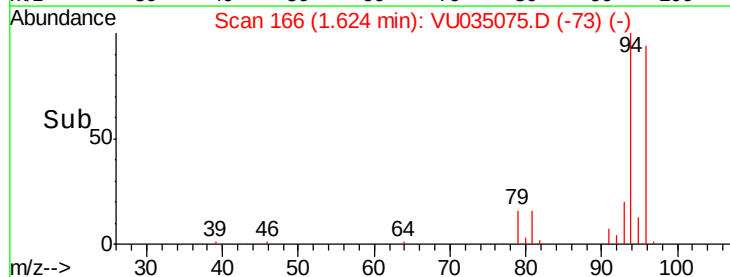
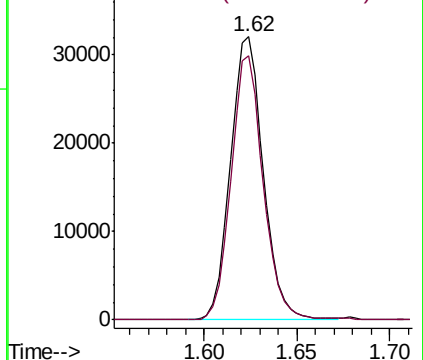
94 100

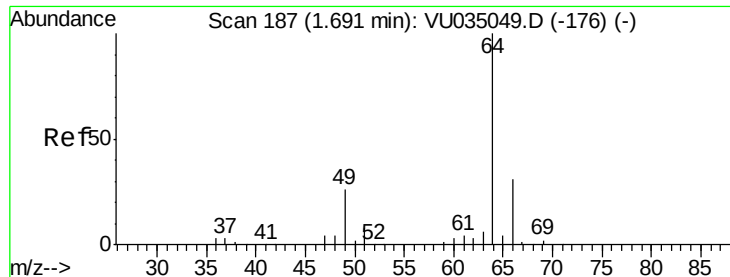
96 93.5 62.4 116.0



Abundance Ion 94.00 (93.70 to 94.70): VU035049.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU035049.D (-156) (-)

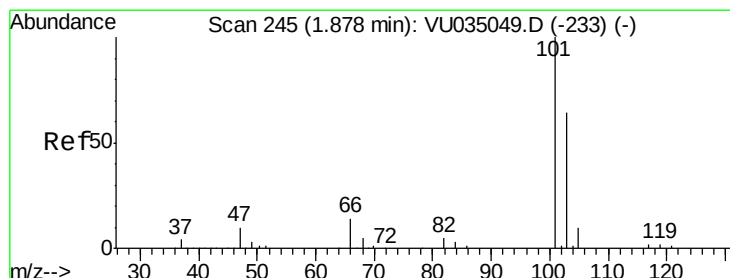
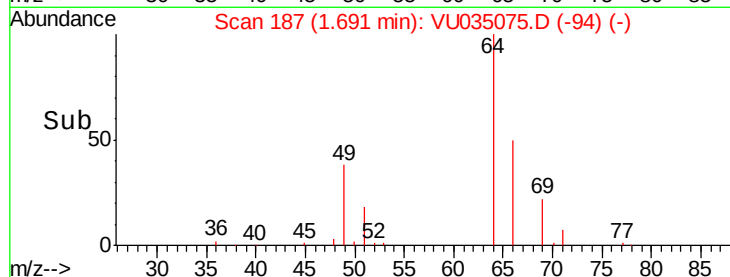
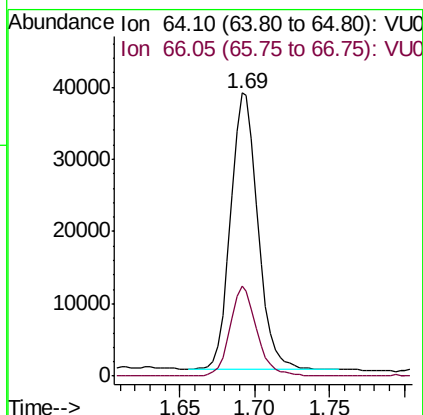
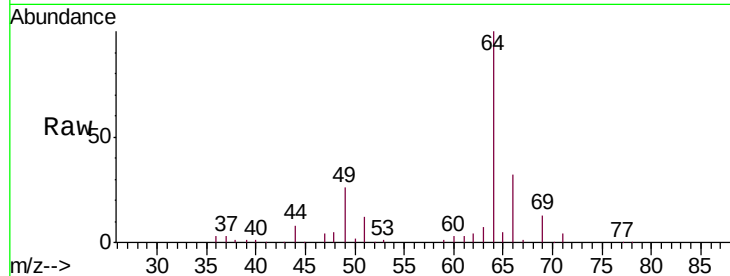




#8
Chloroethane
Concen: 4.845 ug/L
RT: 1.69 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU035075.D
Acq: 11 Oct 2019 02:42

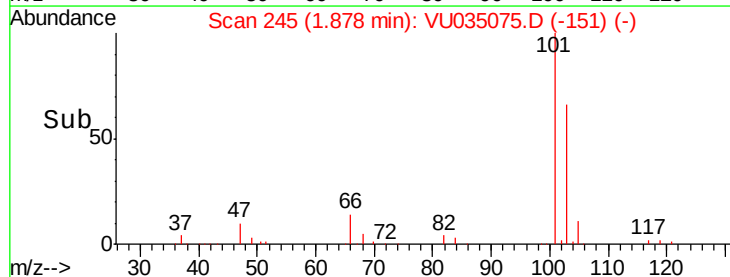
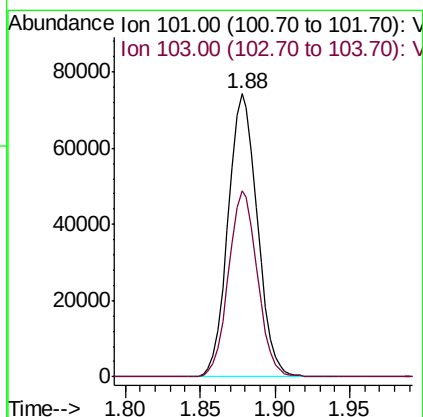
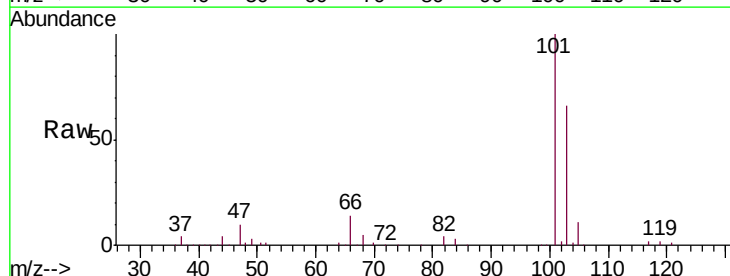
Instrument :
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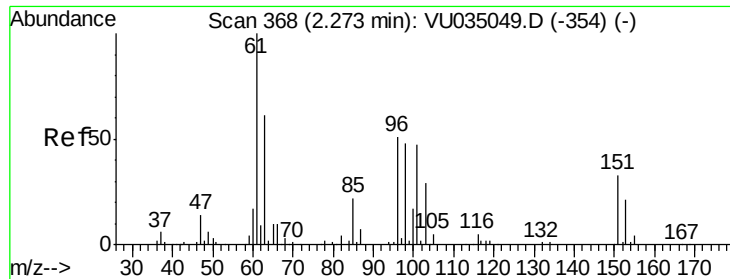
Tgt Ion: 64 Resp: 48764
Ion Ratio Lower Upper
64 100
66 31.7 23.2 43.2



#9
Trichlorofluoromethane
Concen: 4.990 ug/L
RT: 1.88 min Scan# 245
Delta R.T. 0.00 min
Lab File: VU035075.D
Acq: 11 Oct 2019 02:42

Tgt Ion: 101 Resp: 101265
Ion Ratio Lower Upper
101 100
103 65.0 52.2 78.4





#10

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

Concen: 4.775 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU035075.D

Acq: 11 Oct 2019 02:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

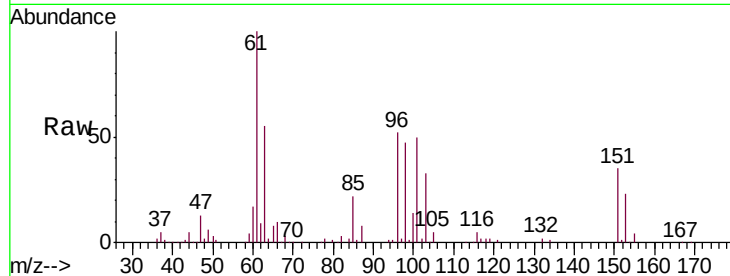
Tgt Ion:101 Resp: 55644

Ion Ratio Lower Upper

101 100

85 46.7 37.4 56.0

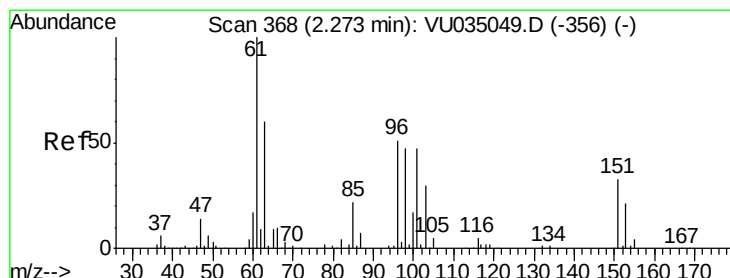
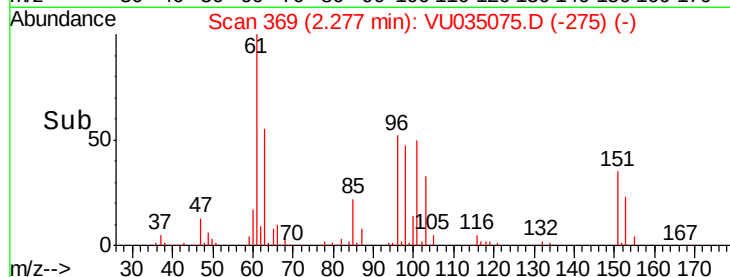
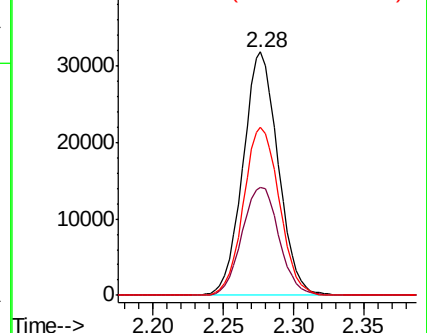
151 70.3 58.6 87.8



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: 4.813 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU035075.D

Acq: 11 Oct 2019 02:42

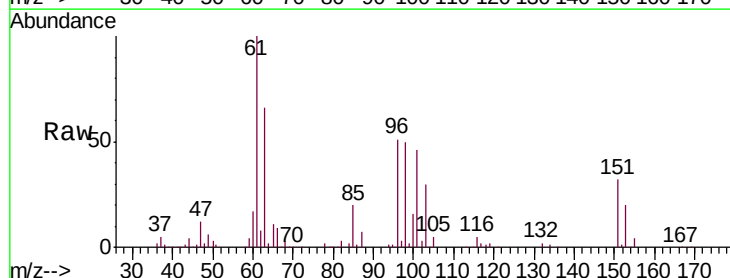
Tgt Ion: 96 Resp: 52681

Ion Ratio Lower Upper

96 100

61 196.2 129.3 240.1

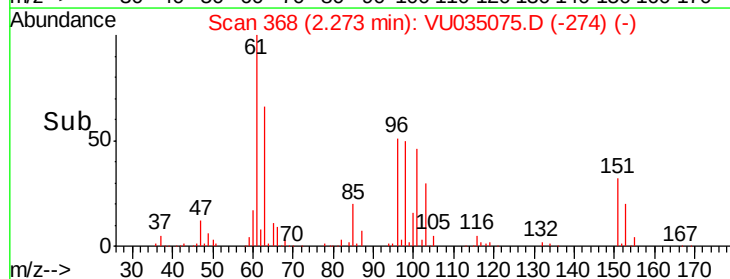
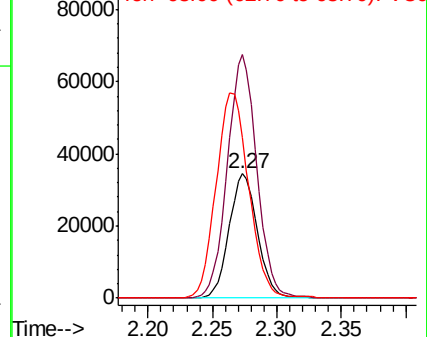
63 128.8 108.9 202.3

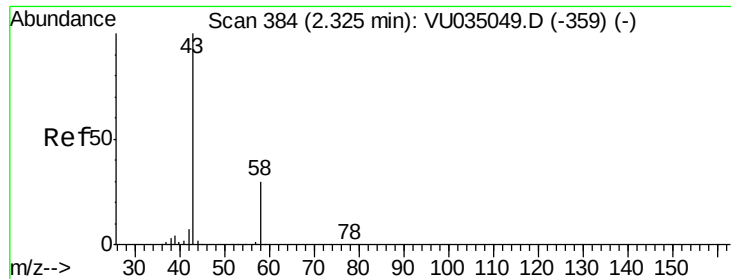


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.103 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.02 min

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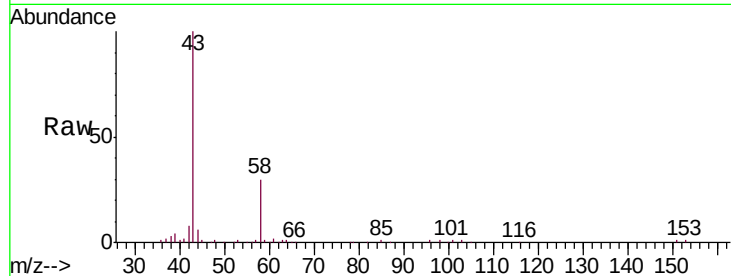
VSTD00513

Tgt Ion: 43 Resp: 114439

Ion Ratio Lower Upper

43 100

58 30.7 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU035075.D (-379) (-)

Ion 58.05 (57.75 to 58.75): VU035075.D (-379) (-)

2.31

80000

60000

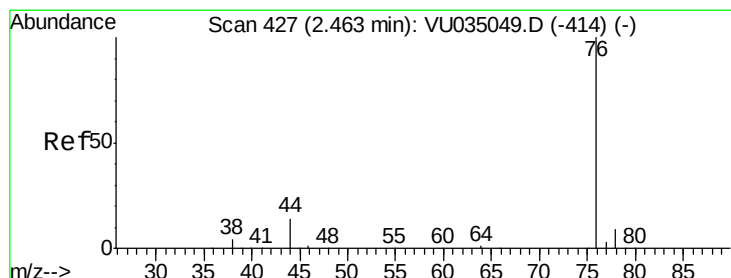
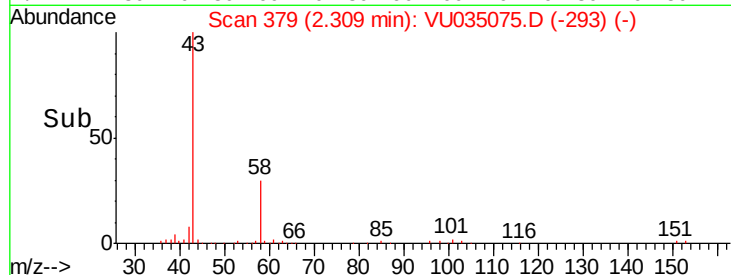
40000

20000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Carbon disulfide

Concen: 4.472 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU035075.D

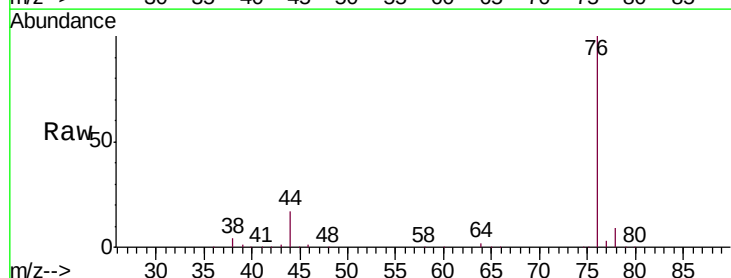
Acq: 11 Oct 2019 02:42

Tgt Ion: 76 Resp: 162894

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU035075.D (-428) (-)

Ion 78.00 (77.70 to 78.70): VU035075.D (-428) (-)

2.47

100000

80000

60000

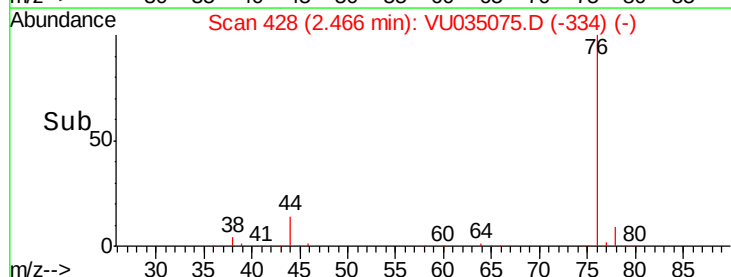
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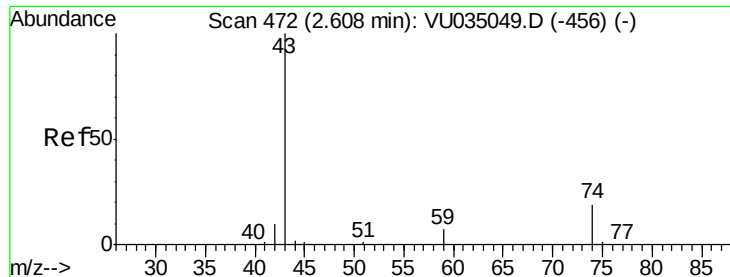
20000

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Time-->

2.40 2.45 2.50 2.55





#15

Methyl Acetate

Concen: 4.801 ug/L

RT: 2.60 min Scan# 471

Delta R.T. -0.01 min

Lab File: VU035075.D

Acq: 11 Oct 2019 02:42

Instrument :

MSVOA_U

ClientSampleId :

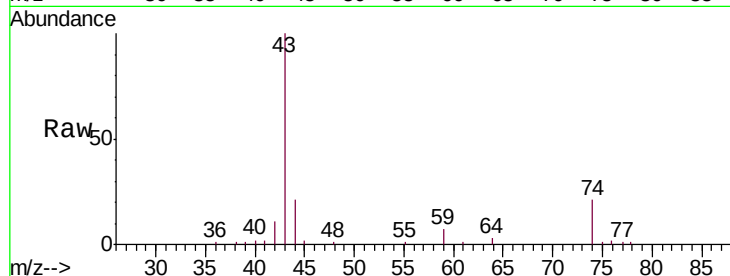
VSTD00513

Tgt Ion: 43 Resp: 31052

Ion Ratio Lower Upper

43 100

74 21.5 17.8 26.8



Abundance Ion 43.05 (42.75 to 43.75): VU035075.D (-380) (-)

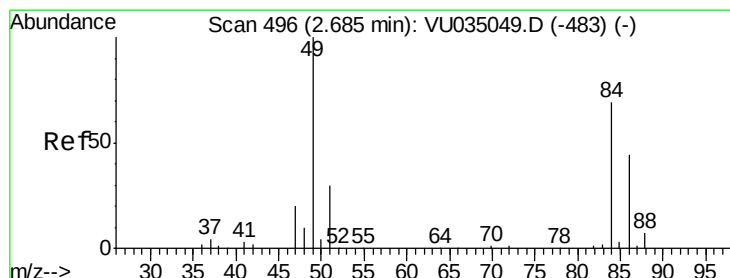
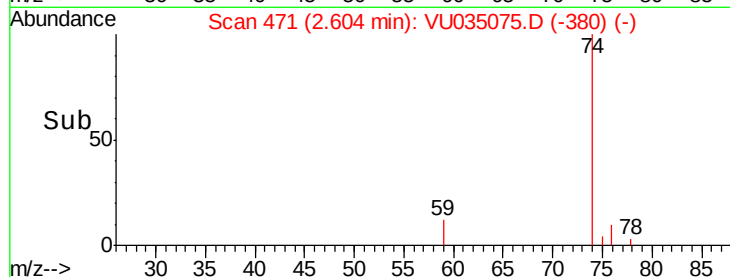
Ion 74.05 (73.75 to 74.75): VU035075.D (-380) (-)

2.60

2.65

2.70

Time-->



#16

Methylene chloride

Concen: 4.665 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU035075.D

Acq: 11 Oct 2019 02:42

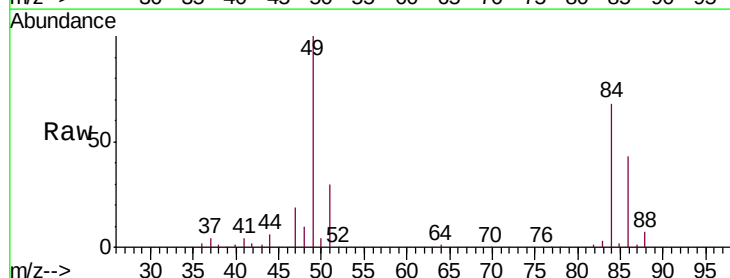
Tgt Ion: 84 Resp: 63207

Ion Ratio Lower Upper

84 100

86 64.1 42.5 78.9

49 147.8 86.9 161.3



Abundance Ion 84.05 (83.75 to 84.75): VU035075.D (-403) (-)

Ion 86.00 (85.70 to 86.70): VU035075.D (-403) (-)

Ion 49.10 (48.80 to 49.80): VU035075.D (-403) (-)

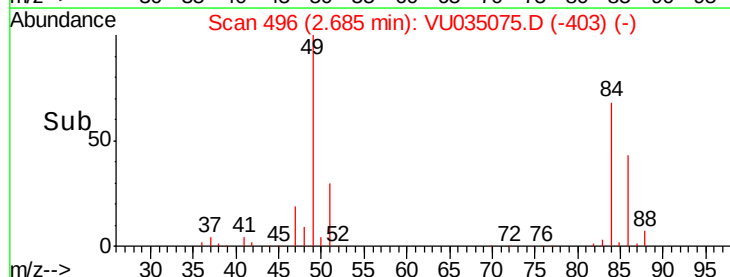
2.68

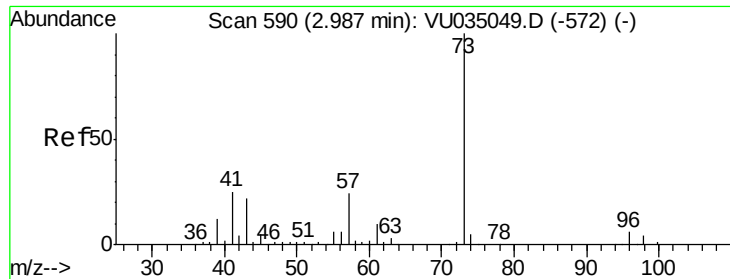
2.70

2.75

2.80

Time-->

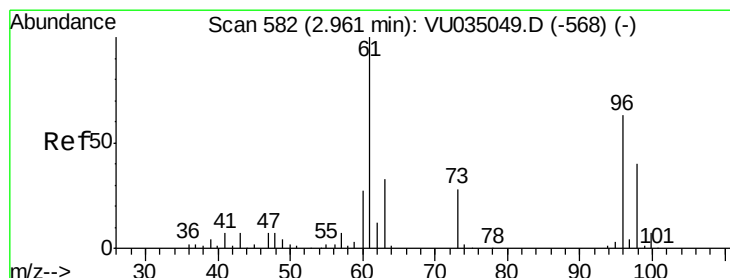
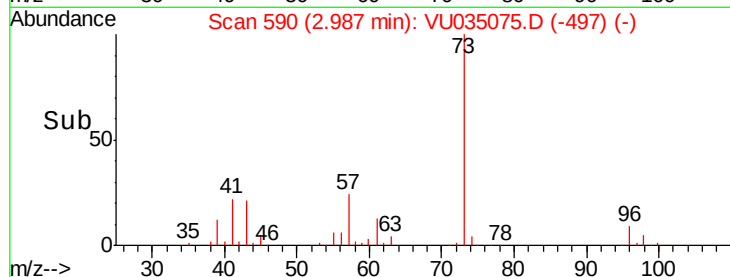
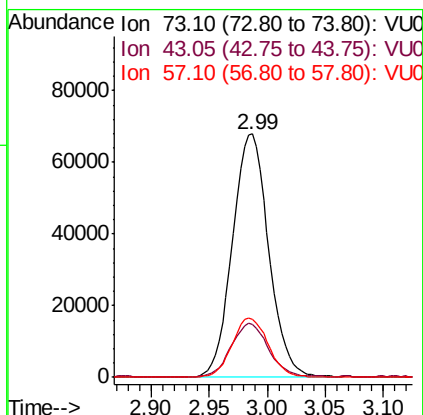
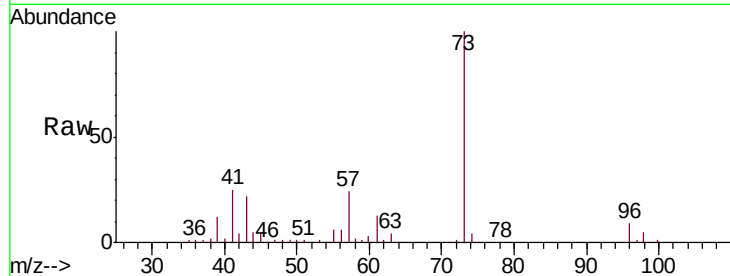




#17
Methyl tert-butyl Ether
Concen: 4.950 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU035075.D
Acq: 11 Oct 2019 02:42

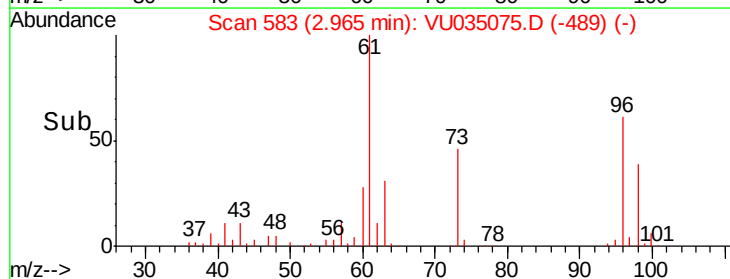
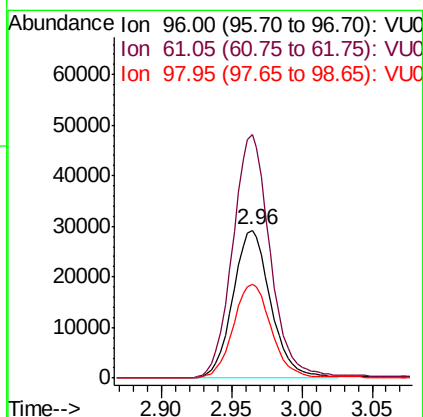
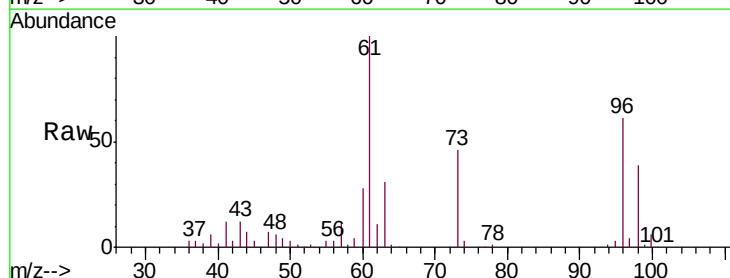
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

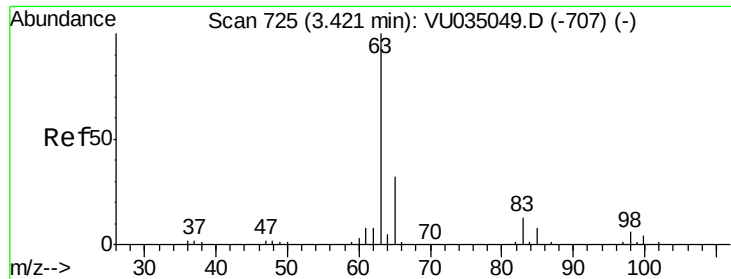
Tgt Ion: 73 Resp: 147827
Ion Ratio Lower Upper
73 100
43 22.1 16.3 24.5
57 24.3 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 4.683 ug/L
RT: 2.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VU035075.D
Acq: 11 Oct 2019 02:42

Tgt Ion: 96 Resp: 54884
Ion Ratio Lower Upper
96 100
61 164.6 107.1 198.9
98 63.7 45.4 84.4

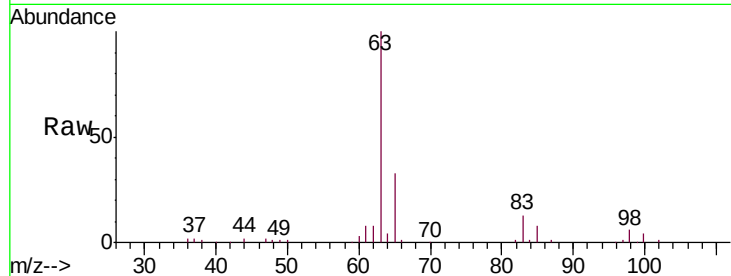




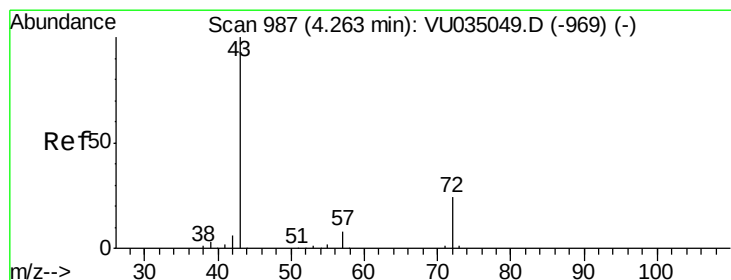
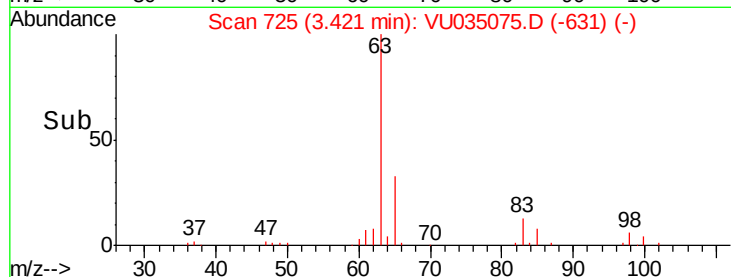
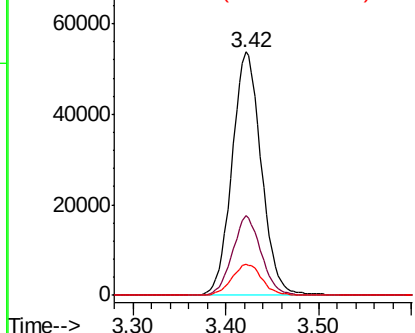
#19
 1,1-Dichloroethane
 Concen: 5.057 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU035075.D
 Acq: 11 Oct 2019 02:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tgt Ion: 63 Resp: 117804
 Ion Ratio Lower Upper
 63 100
 65 32.6 21.7 40.3
 83 12.6 9.0 16.8

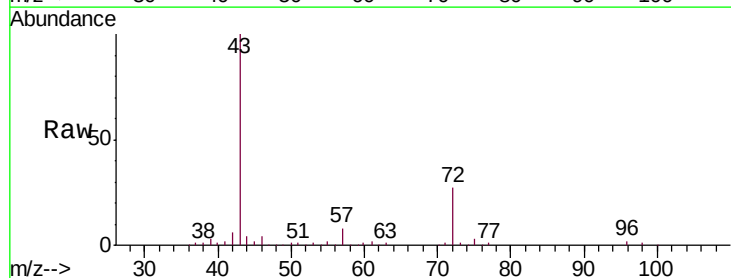


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

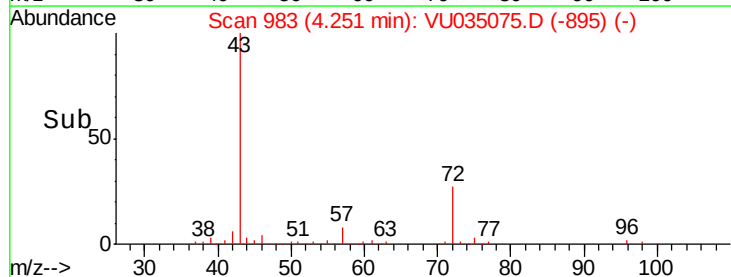
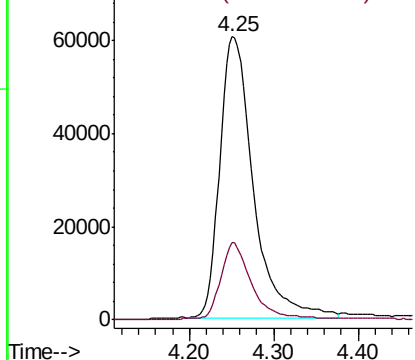


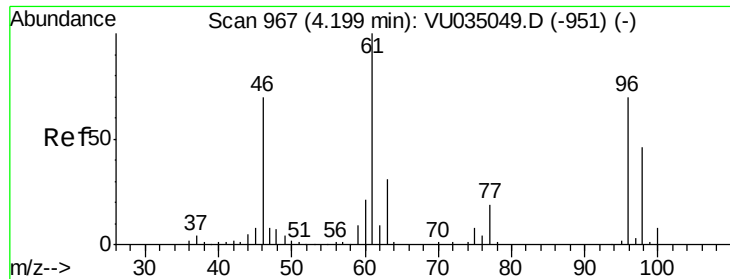
#21
 2-Butanone
 Concen: 48.090 ug/L
 RT: 4.25 min Scan# 983
 Delta R.T. -0.02 min
 Lab File: VU035075.D
 Acq: 11 Oct 2019 02:42

Tgt Ion: 43 Resp: 166387
 Ion Ratio Lower Upper
 43 100
 72 25.5 13.5 40.4



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

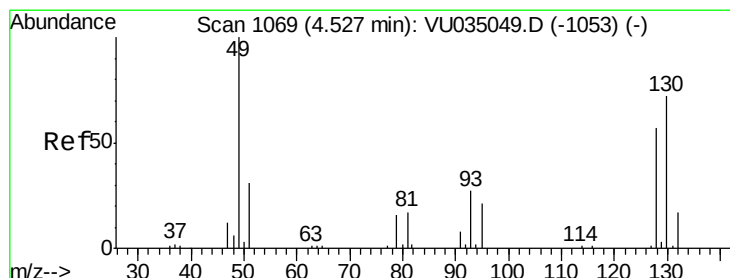
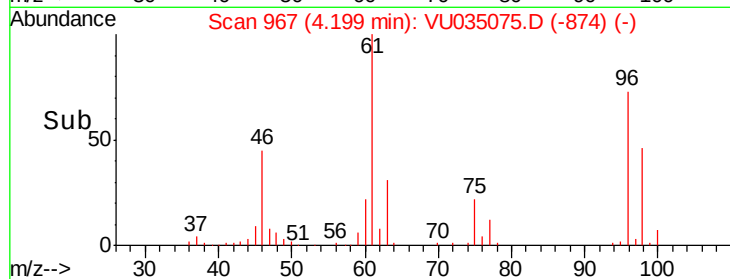
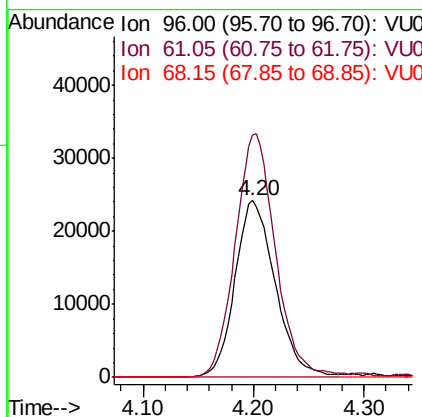
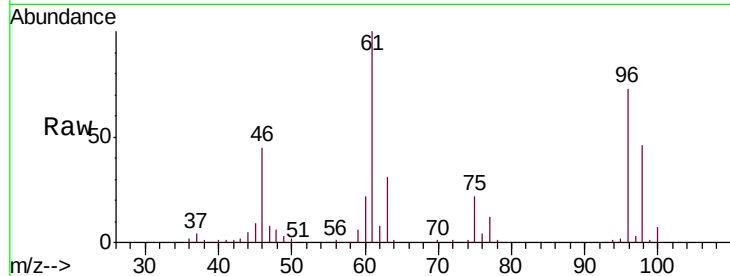




#22
 cis-1,2-Dichloroethene
 Concen: 4.698 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU035075.D
 Acq: 11 Oct 2019 02:42

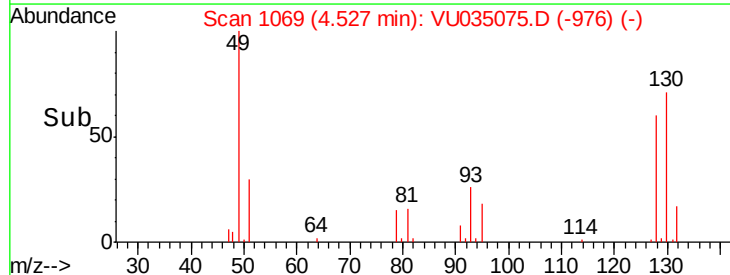
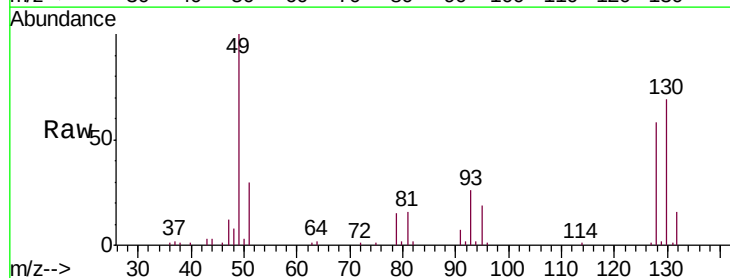
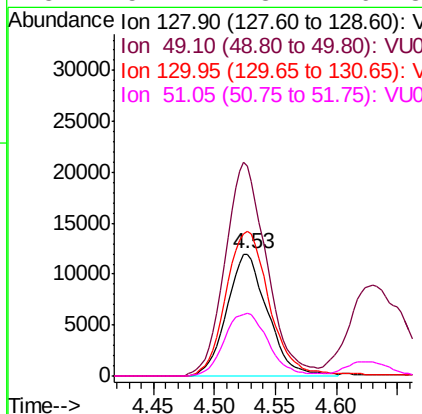
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

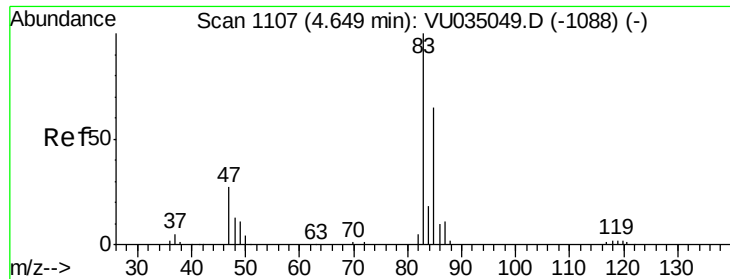
Tgt Ion: 96 Resp: 61414
 Ion Ratio Lower Upper
 96 100
 61 137.0 89.2 165.6
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.088 ug/L
 RT: 4.53 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VU035075.D
 Acq: 11 Oct 2019 02:42

Tgt Ion: 128 Resp: 27881
 Ion Ratio Lower Upper
 128 100
 49 171.6 110.5 205.3
 130 118.5 88.6 164.6
 51 51.2 43.2 64.8

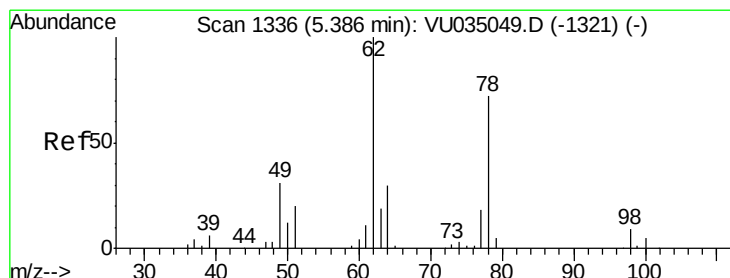
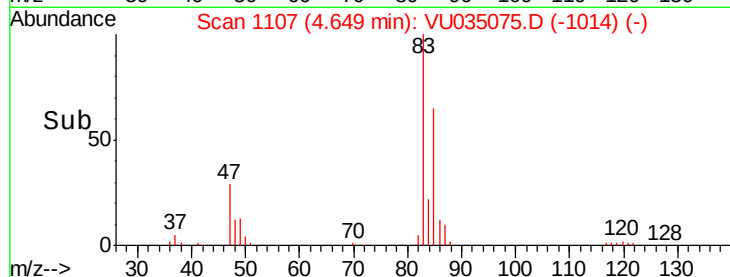
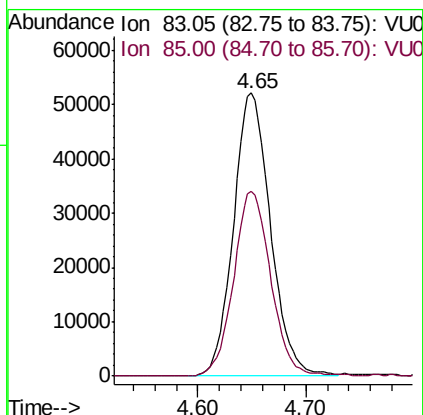
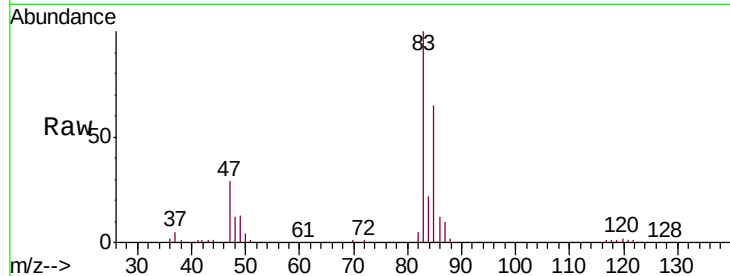




#25
Chloroform
Concen: 4.762 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU035075.D
Acq: 11 Oct 2019 02:42

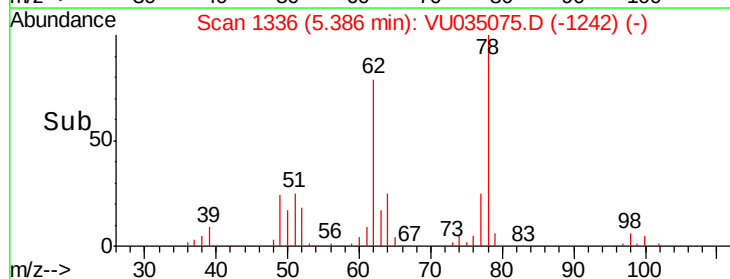
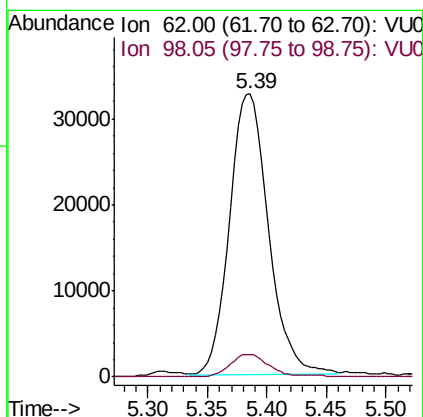
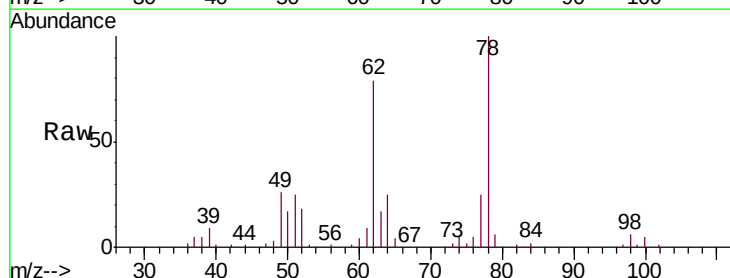
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

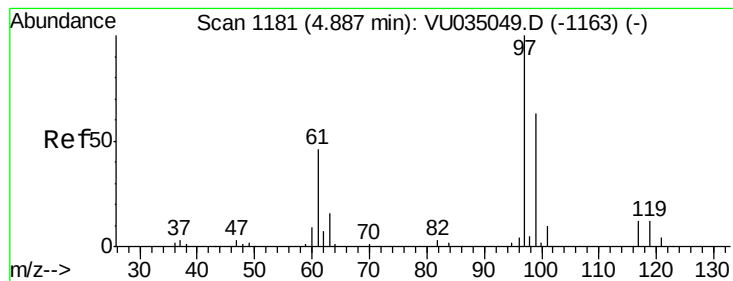
Tgt Ion: 83 Resp: 124634
Ion Ratio Lower Upper
83 100
85 65.3 45.4 84.4



#27
1,2-Dichloroethane
Concen: 4.870 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU035075.D
Acq: 11 Oct 2019 02:42

Tgt Ion: 62 Resp: 74440
Ion Ratio Lower Upper
62 100
98 8.0 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 4.765 ug/L

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU035075.D

Acq: 11 Oct 2019 02:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

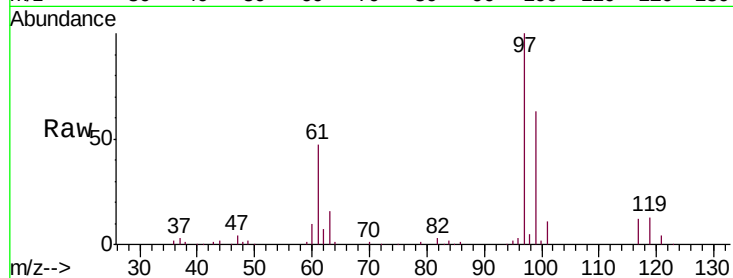
Tgt Ion: 97 Resp: 95251

Ion Ratio Lower Upper

97 100

99 63.0 51.6 77.4

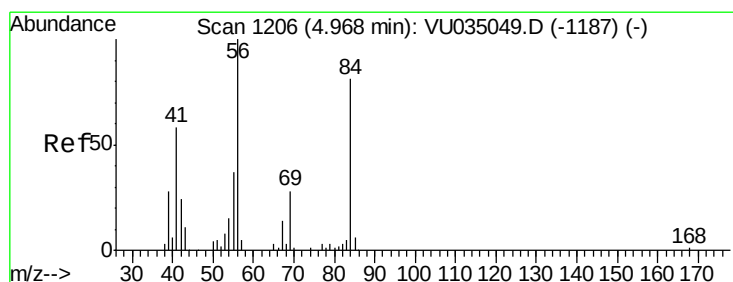
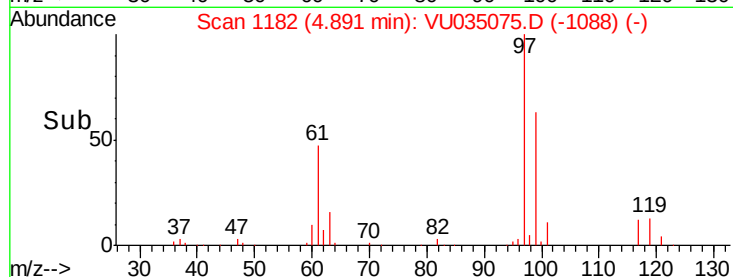
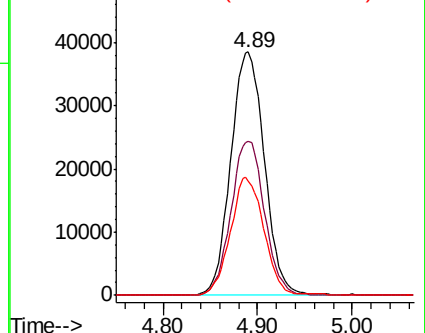
61 47.9 36.2 54.4



Abundance Ion 96.95 (96.65 to 97.65): VU035075.D (-1163) (-)

Ion 99.05 (98.75 to 99.75): VU035075.D (-1163) (-)

Ion 61.05 (60.75 to 61.75): VU035075.D (-1163) (-)



#30

Cyclohexane

Concen: 4.312 ug/L

RT: 4.97 min Scan# 1206

Delta R.T. 0.00 min

Lab File: VU035075.D

Acq: 11 Oct 2019 02:42

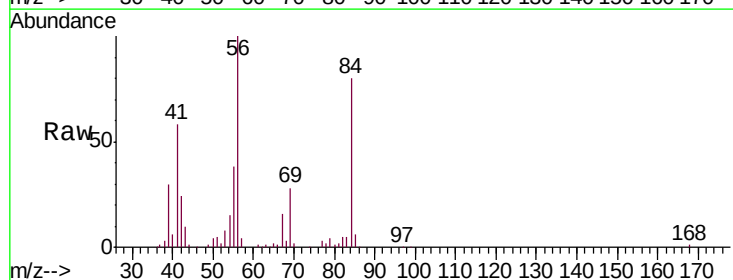
Tgt Ion: 56 Resp: 94780

Ion Ratio Lower Upper

56 100

69 28.8 23.9 35.9

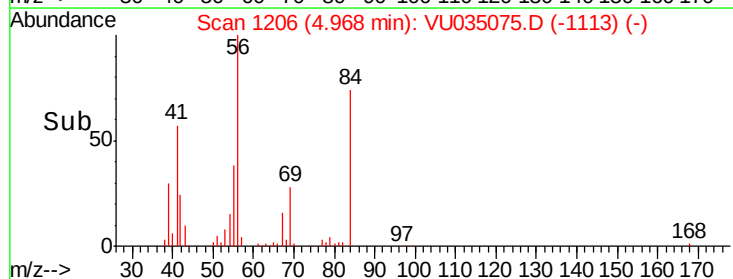
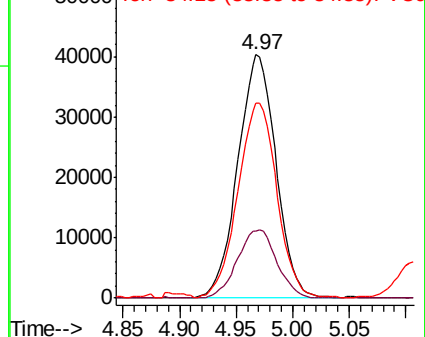
84 82.1 69.5 104.3

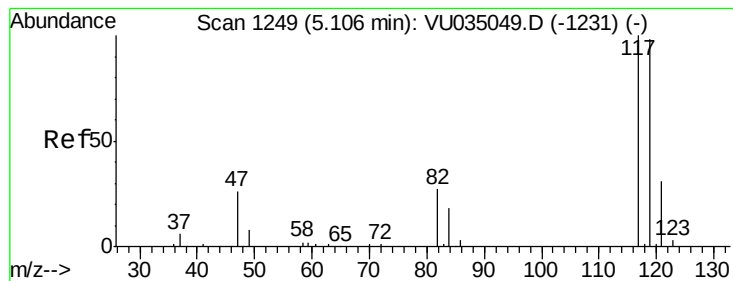


Abundance Ion 56.10 (55.80 to 56.80): VU035075.D (-1187) (-)

Ion 69.15 (68.85 to 69.85): VU035075.D (-1187) (-)

Ion 84.15 (83.85 to 84.85): VU035075.D (-1187) (-)





#31

Carbon tetrachloride

Concen: 4.693 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU035075.D

Acq: 11 Oct 2019 02:42

Instrument :

MSVOA_U

ClientSampleId :

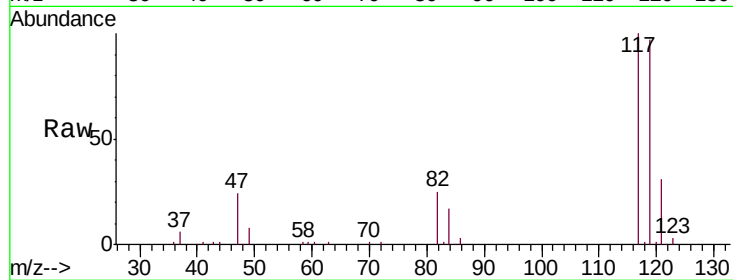
VSTD00513

Tgt Ion:117 Resp: 81345

Ion Ratio Lower Upper

117 100

119 95.6 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.11

40000

30000

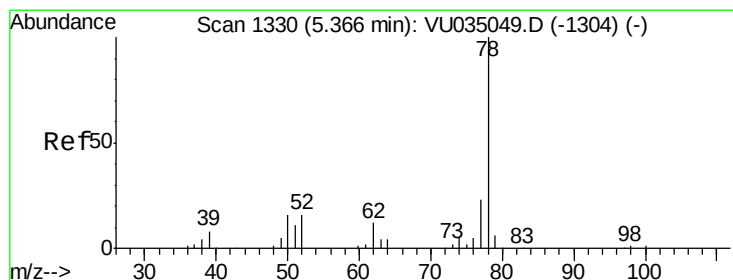
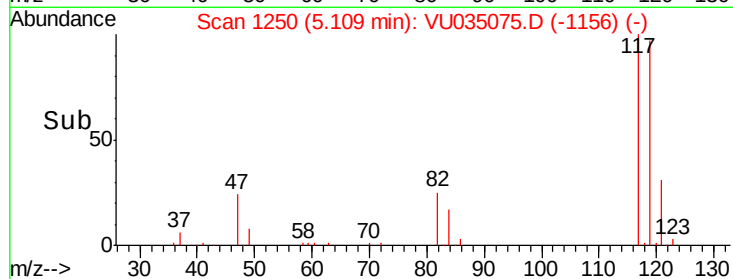
20000

10000

0

Time-->

5.00 5.10 5.20



#33

Benzene

Concen: 4.608 ug/L

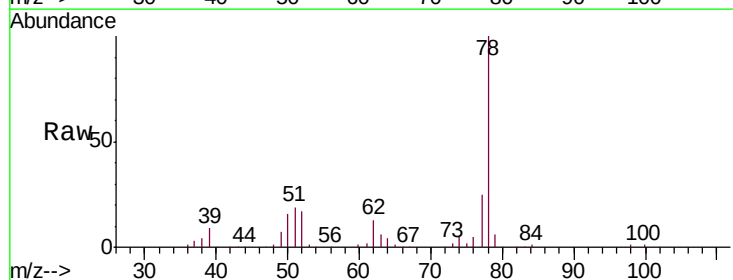
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU035075.D

Acq: 11 Oct 2019 02:42

Tgt Ion: 78 Resp: 247030



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.37

120000

100000

80000

60000

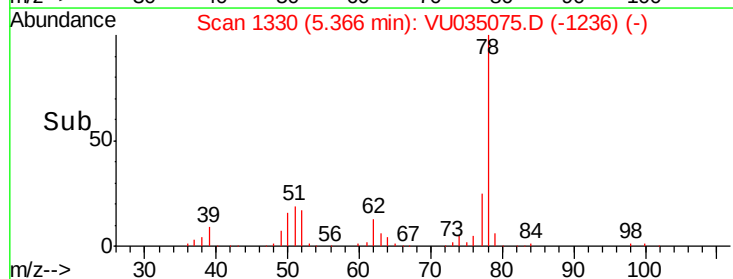
40000

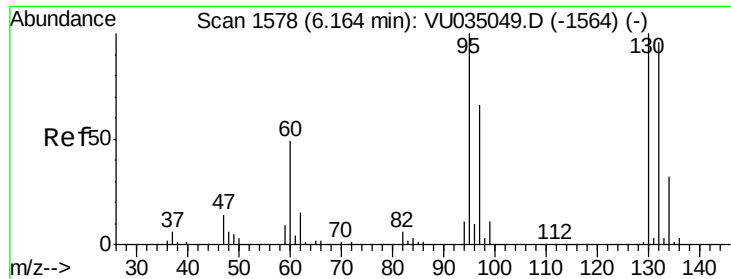
20000

0

Time-->

5.20 5.30 5.40 5.50

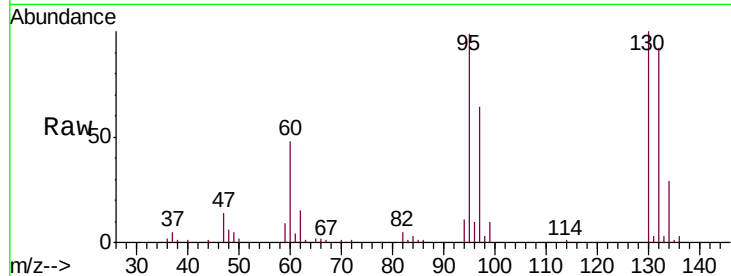




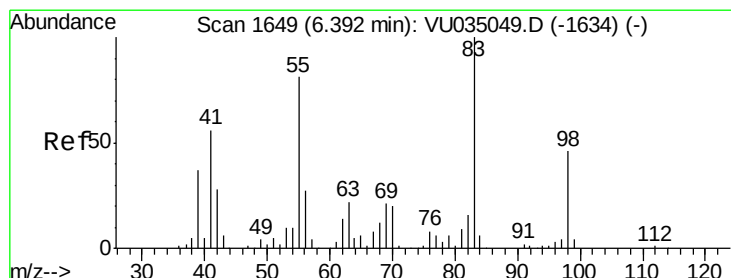
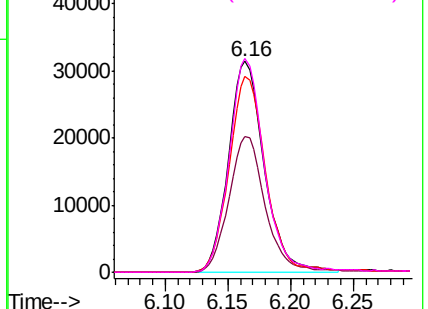
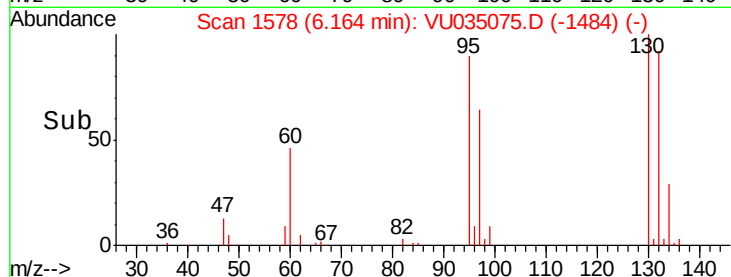
#34
 Trichloroethene
 Concen: 4.504 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU035075.D
 Acq: 11 Oct 2019 02:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tgt Ion: 95 Resp: 62271
 Ion Ratio Lower Upper
 95 100
 97 64.7 44.5 82.7
 132 93.1 66.6 123.8
 130 101.4 68.9 127.9

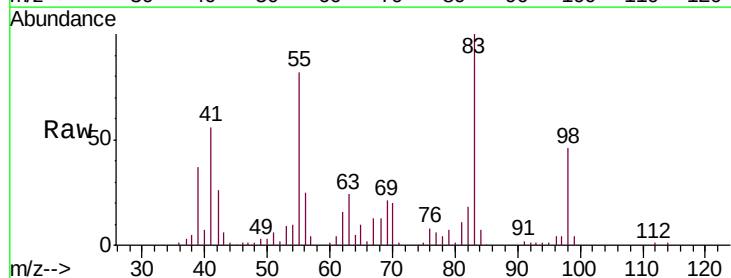


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

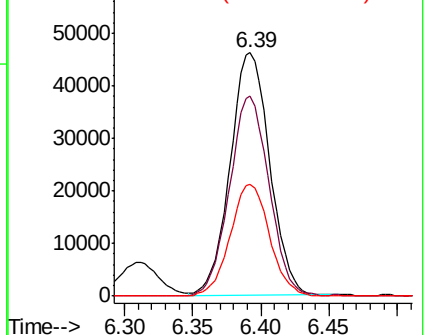
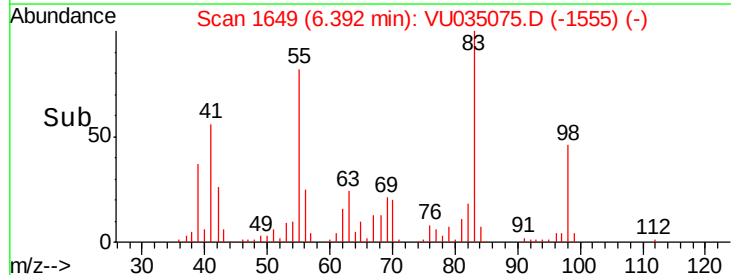


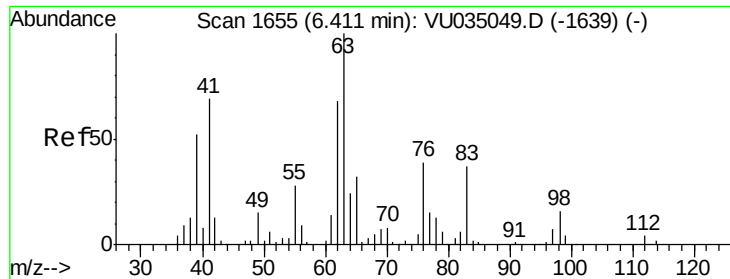
#35
 Methylcyclohexane
 Concen: 4.157 ug/L
 RT: 6.39 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU035075.D
 Acq: 11 Oct 2019 02:42

Tgt Ion: 83 Resp: 93086
 Ion Ratio Lower Upper
 83 100
 55 82.4 62.6 94.0
 98 45.8 36.2 54.2



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

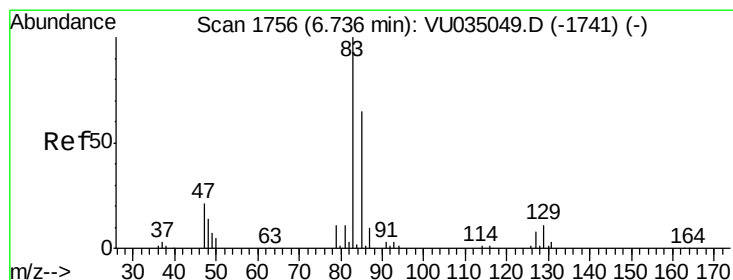
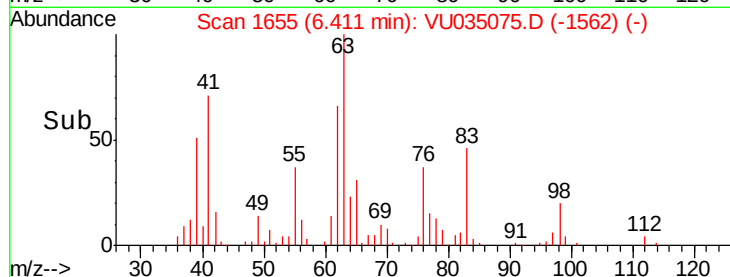
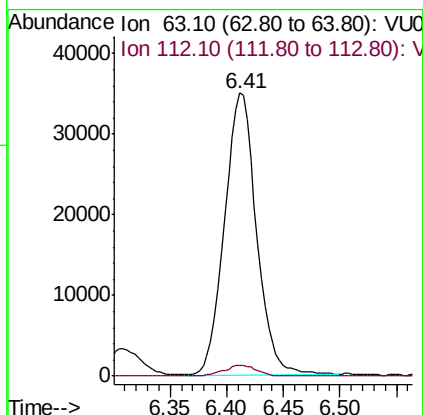
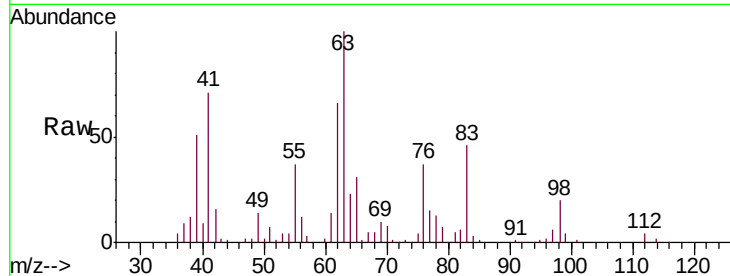




#37
 1,2-Dichloropropane
 Concen: 4.752 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU035075.D
 Acq: 11 Oct 2019 02:42

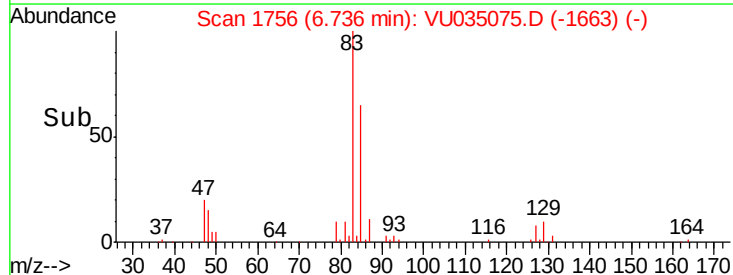
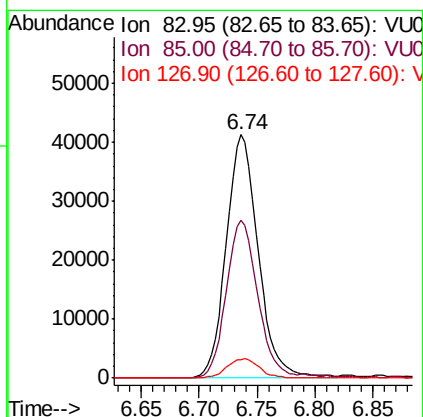
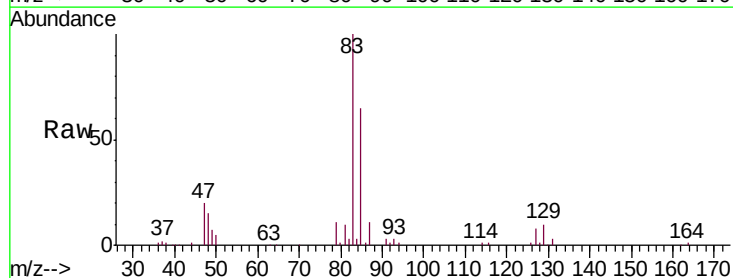
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

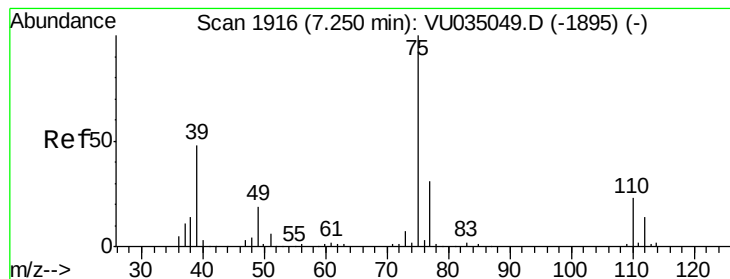
Tgt Ion: 63 Resp: 68721
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.1 4.7



#38
 Bromodichloromethane
 Concen: 4.654 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU035075.D
 Acq: 11 Oct 2019 02:42

Tgt Ion: 83 Resp: 78899
 Ion Ratio Lower Upper
 83 100
 85 64.9 44.0 81.8
 127 7.7 7.0 10.4



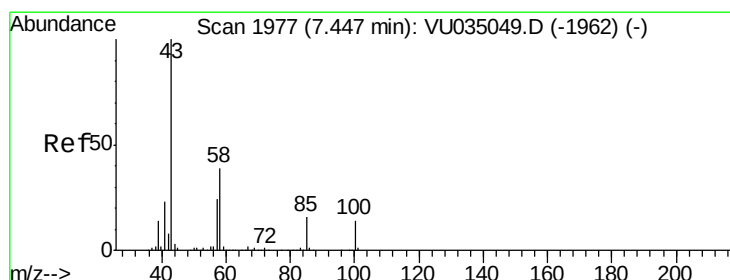
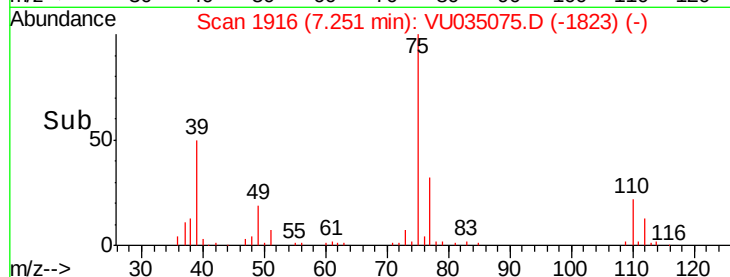
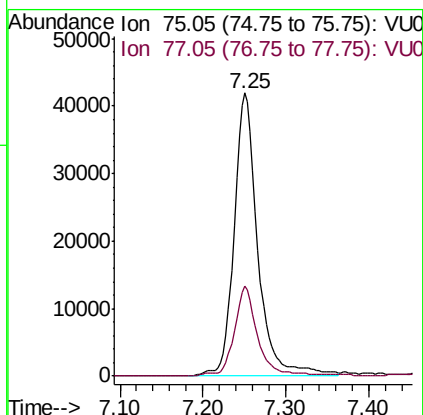
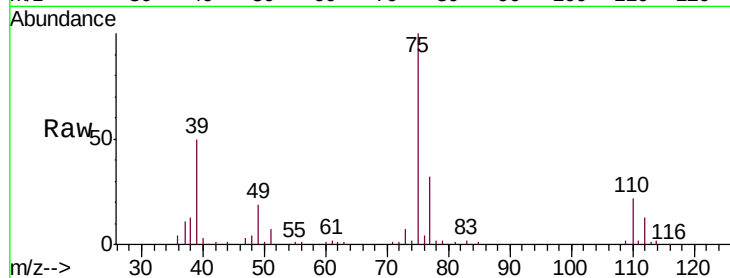


#39

cis-1,3-Dichloropropene
 Concen: 4.296 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU035075.D
 Acq: 11 Oct 2019 02:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

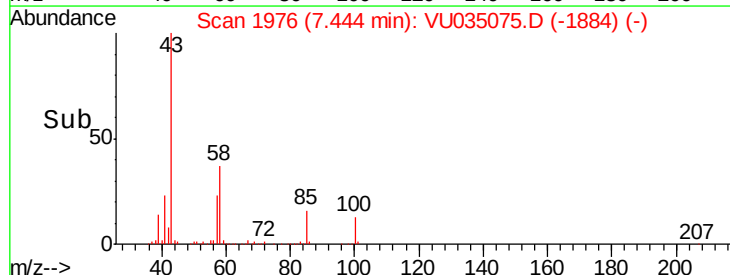
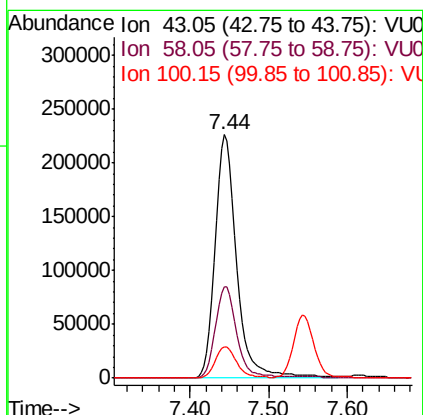
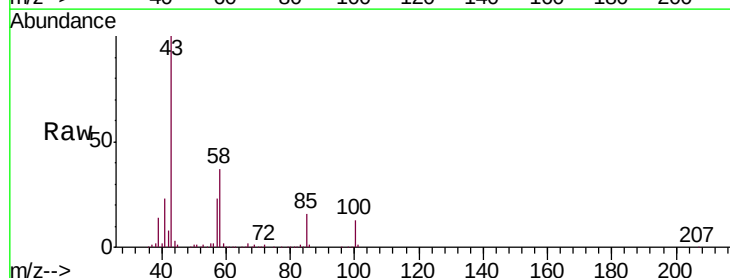
Tgt Ion: 75 Resp: 84176
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.1 41.1

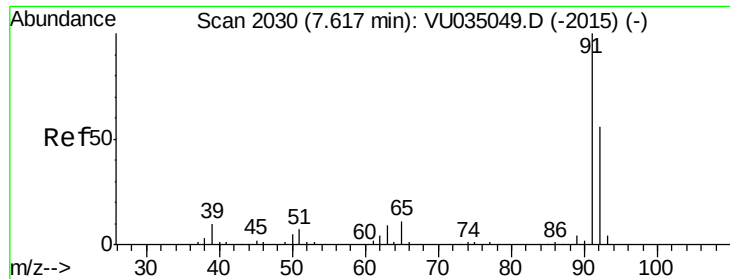


#40

4-Methyl-2-pentanone
 Concen: 47.105 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. -0.00 min
 Lab File: VU035075.D
 Acq: 11 Oct 2019 02:42

Tgt Ion: 43 Resp: 428760
 Ion Ratio Lower Upper
 43 100
 58 37.1 32.4 48.6
 100 12.8 11.9 17.9





#42

Toluene

Concen: 4.772 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU035075.D

Acq: 11 Oct 2019 02:42

Instrument :

MSVOA_U

ClientSampleId :

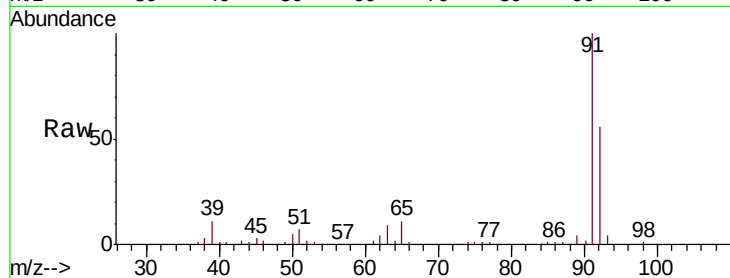
VSTD00513

Tgt Ion: 91 Resp: 267062

Ion Ratio Lower Upper

91 100

92 56.5 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU035049.D (-2015) (-)

Ion 92.15 (91.85 to 92.85): VU035049.D (-2015) (-)

7.62

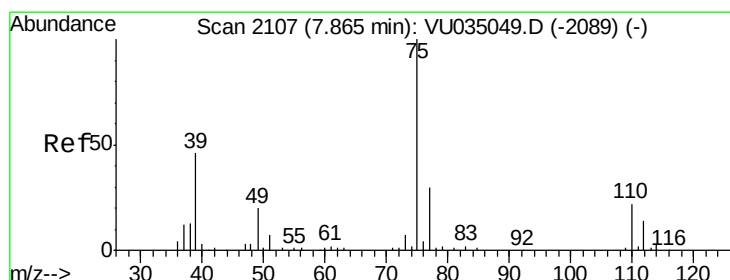
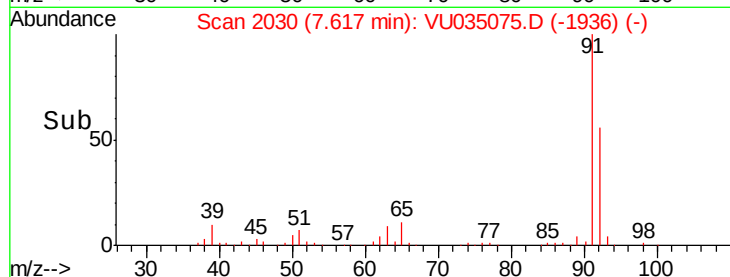
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.299 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU035075.D

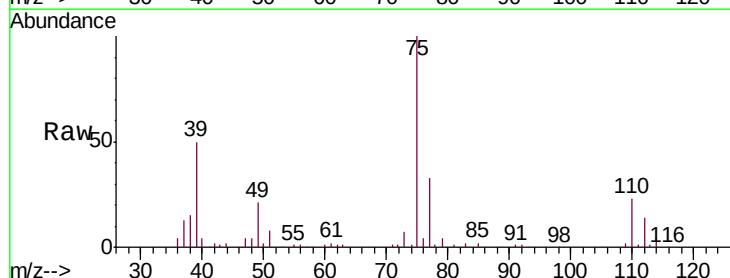
Acq: 11 Oct 2019 02:42

Tgt Ion: 75 Resp: 65244

Ion Ratio Lower Upper

75 100

77 32.9 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU035049.D (-2089) (-)

Ion 77.05 (76.75 to 77.75): VU035049.D (-2089) (-)

7.86

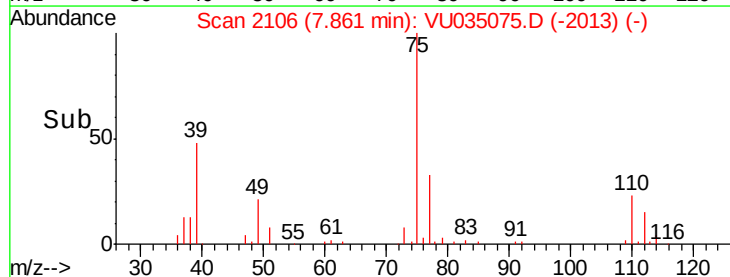
30000

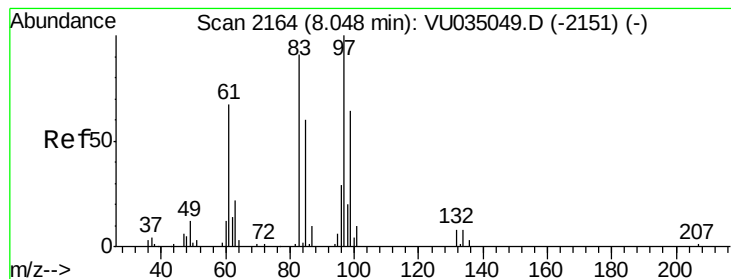
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.885 ug/L

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU035075.D

Acq: 11 Oct 2019 02:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

Tgt Ion: 97 Resp: 46903

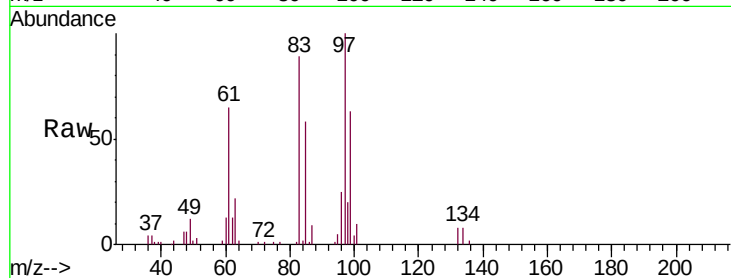
Ion Ratio Lower Upper

97 100

99 62.7 42.3 78.5

83 88.8 58.0 107.6

85 57.9 37.8 70.2

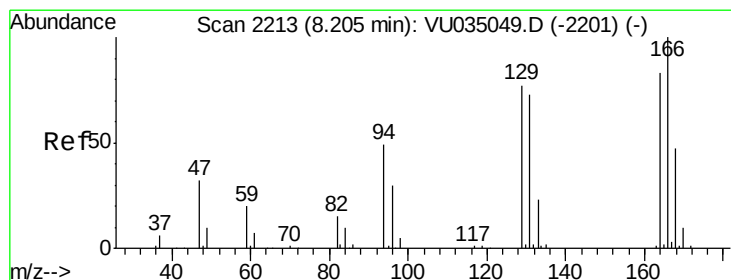
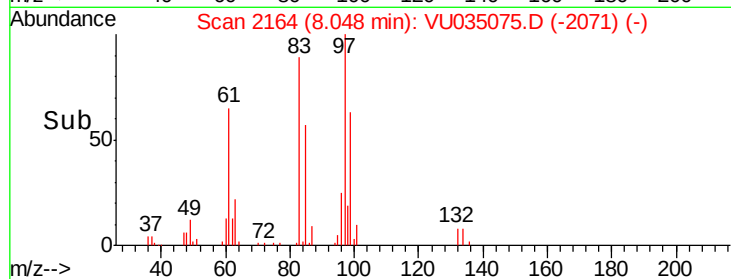
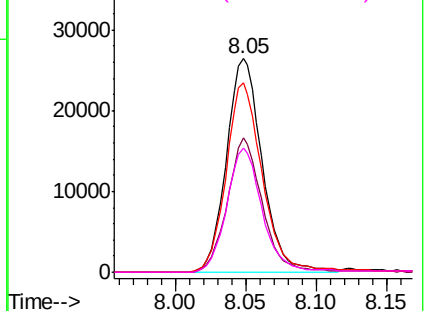


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 4.381 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU035075.D

Acq: 11 Oct 2019 02:42

Tgt Ion: 164 Resp: 49037

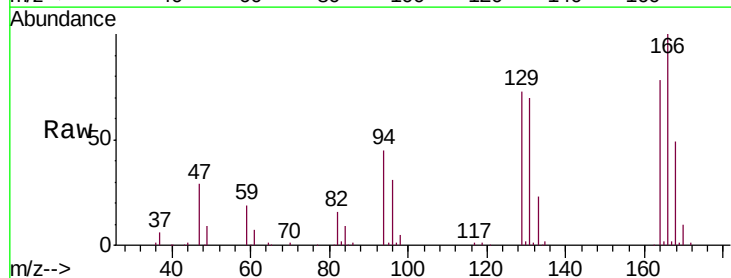
Ion Ratio Lower Upper

164 100

129 93.9 68.5 127.1

131 89.8 67.3 124.9

166 128.6 93.1 172.9

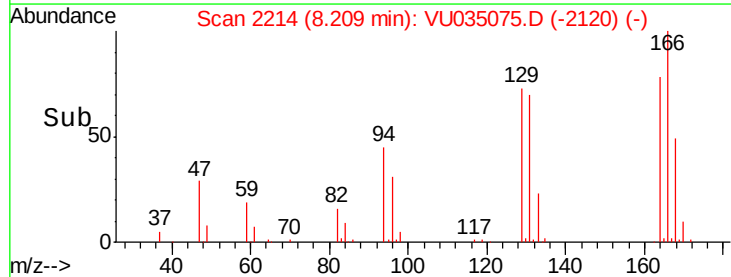
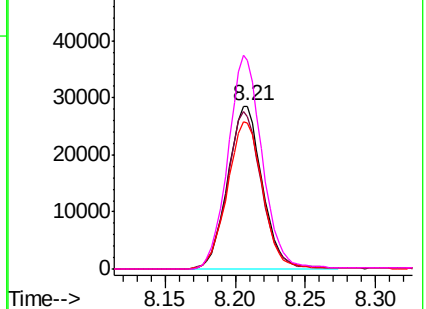


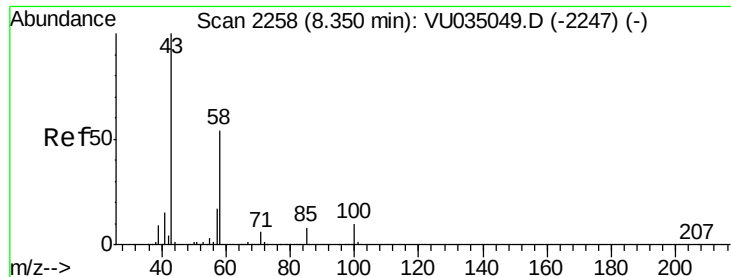
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

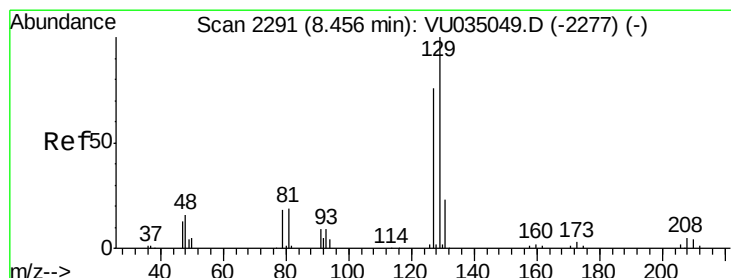
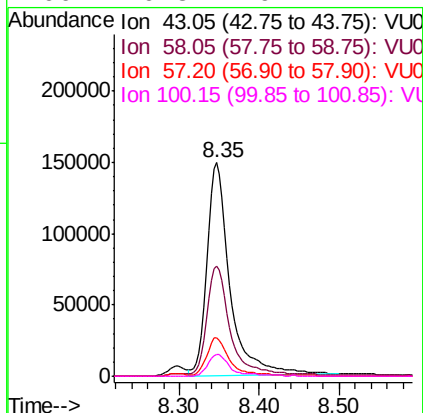
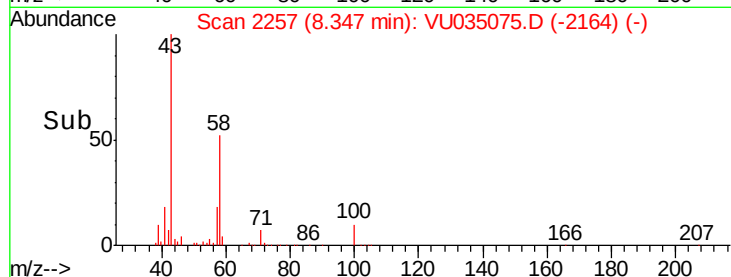
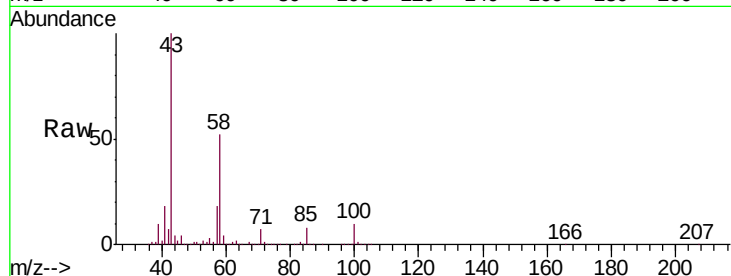




#48
2-Hexanone
Concen: 47.549 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU035075.D
Acq: 11 Oct 2019 02:42

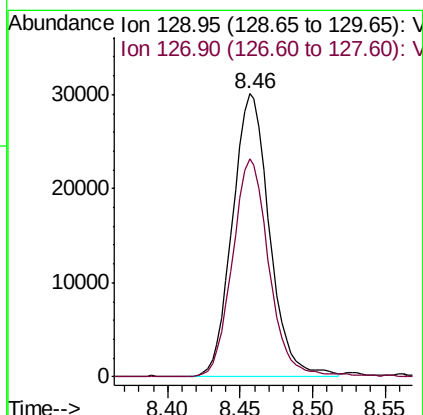
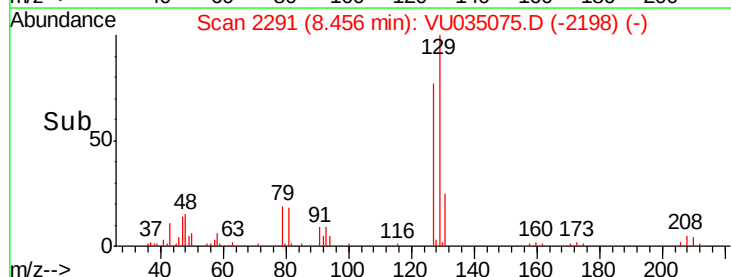
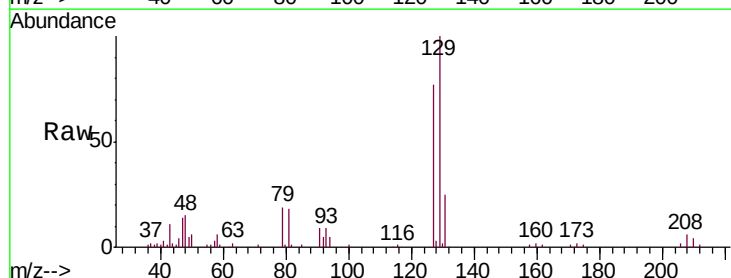
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

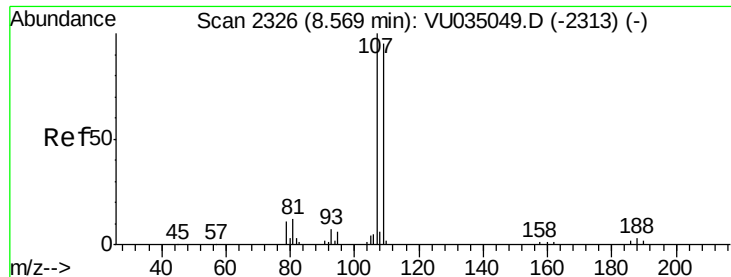
Tgt Ion: 43 Resp: 296745
Ion Ratio Lower Upper
43 100
58 50.7 44.1 66.1
57 17.6 15.8 23.8
100 10.3 9.4 14.2



#49
Dibromochloromethane
Concen: 4.825 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU035075.D
Acq: 11 Oct 2019 02:42

Tgt Ion: 129 Resp: 53553
Ion Ratio Lower Upper
129 100
127 76.9 51.9 96.5

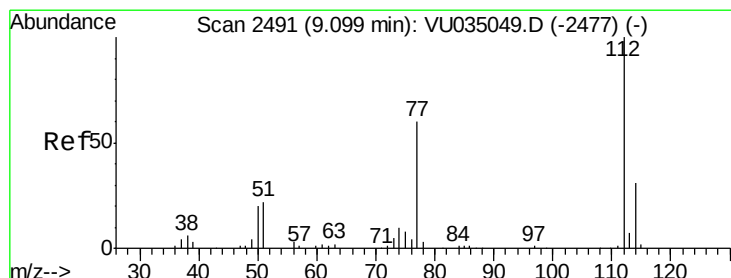
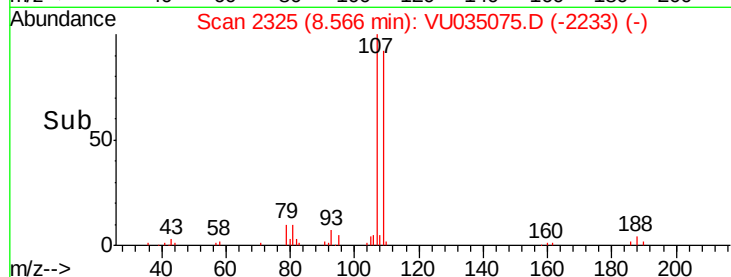
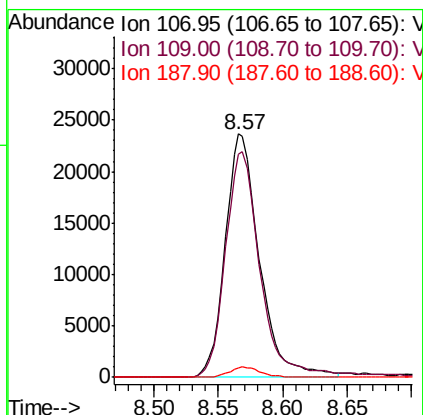
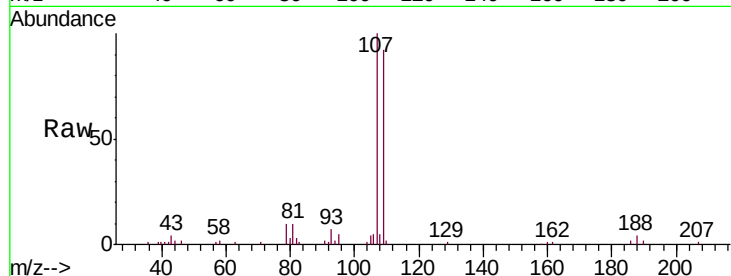




#50
 1,2-Dibromoethane
 Concen: 4.747 ug/L
 RT: 8.57 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU035075.D
 Acq: 11 Oct 2019 02:42

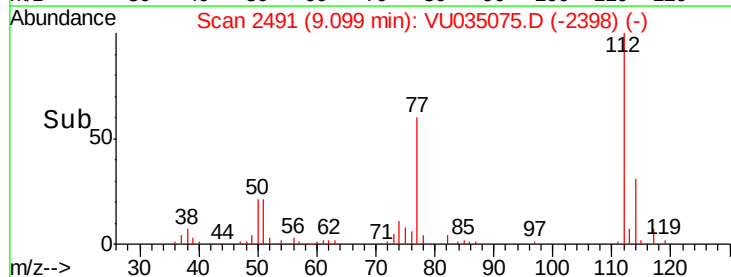
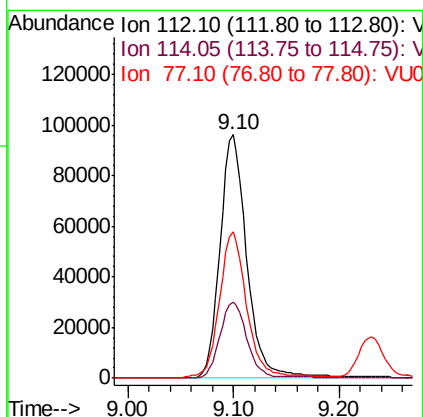
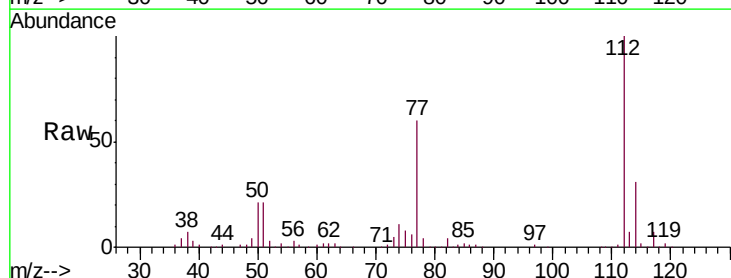
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

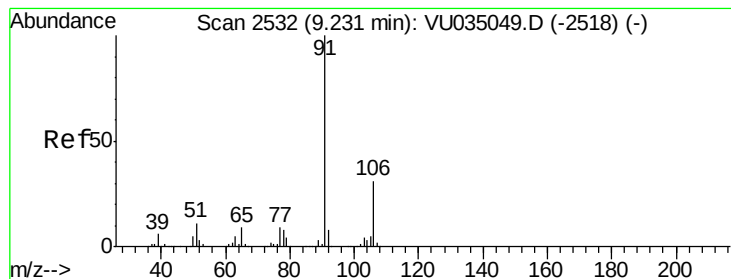
Tgt Ion:107 Resp: 43567
 Ion Ratio Lower Upper
 107 100
 109 91.7 64.8 120.4
 188 3.9 3.0 4.6



#51
 Chlorobenzene
 Concen: 4.671 ug/L
 RT: 9.10 min Scan# 2491
 Delta R.T. 0.00 min
 Lab File: VU035075.D
 Acq: 11 Oct 2019 02:42

Tgt Ion:112 Resp: 169388
 Ion Ratio Lower Upper
 112 100
 114 31.2 22.1 41.1
 77 59.9 46.9 70.3





#52

Ethylbenzene

Concen: 4.644 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU035075.D

Acq: 11 Oct 2019 02:42

Instrument :

MSVOA_U

ClientSampleId :

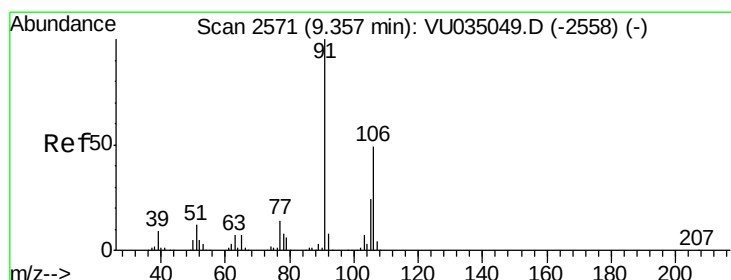
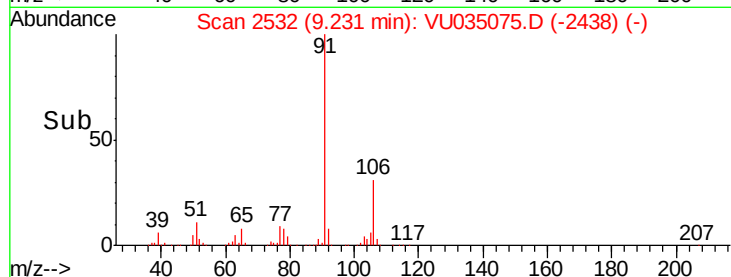
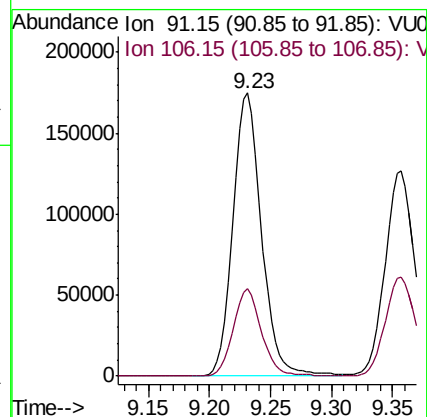
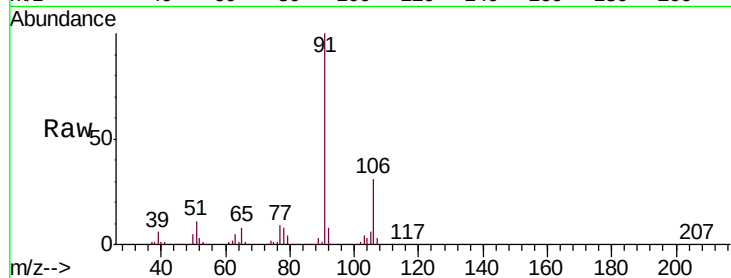
VSTD00513

Tgt Ion: 91 Resp: 287032

Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.2



#53

m,p-Xylene

Concen: 4.649 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU035075.D

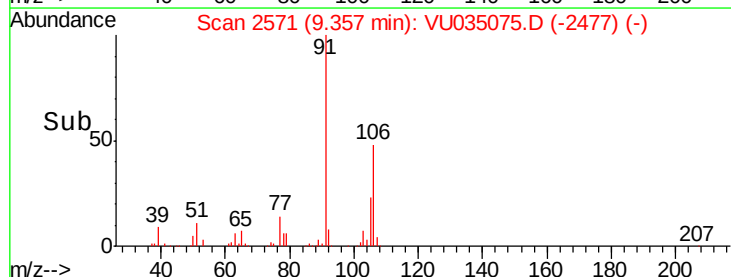
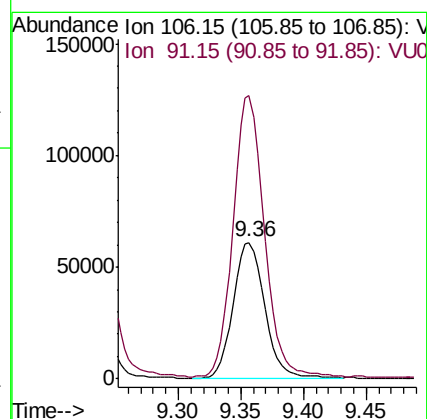
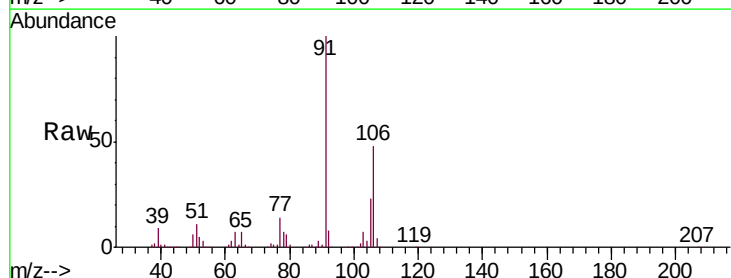
Acq: 11 Oct 2019 02:42

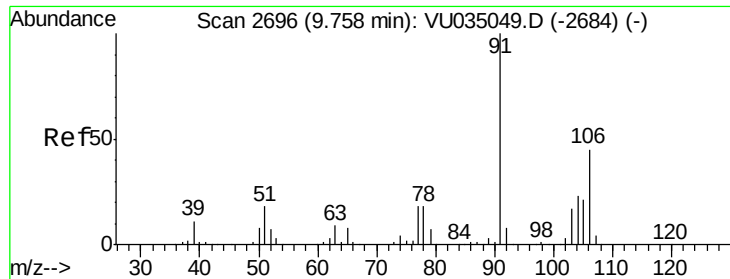
Tgt Ion: 106 Resp: 106153

Ion Ratio Lower Upper

106 100

91 207.5 147.6 274.0

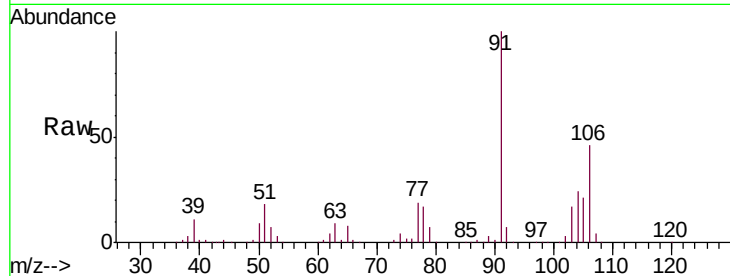




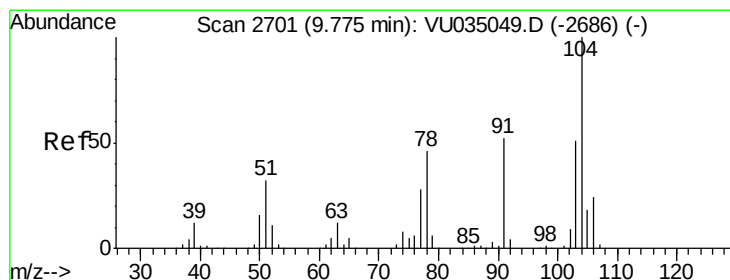
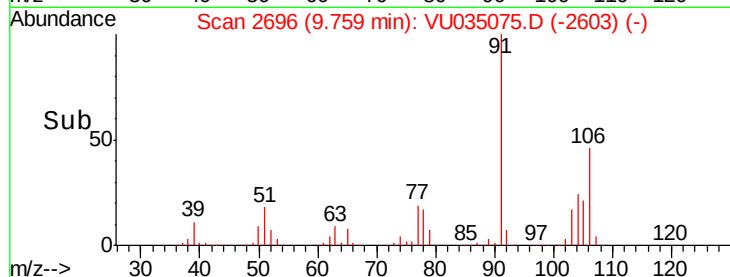
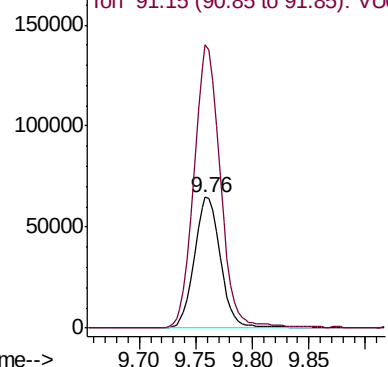
#54
o-Xylene
Concen: 4.695 ug/L
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU035075.D
Acq: 11 Oct 2019 02:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

Tgt Ion:106 Resp: 104849
Ion Ratio Lower Upper
106 100
91 216.2 148.5 275.7

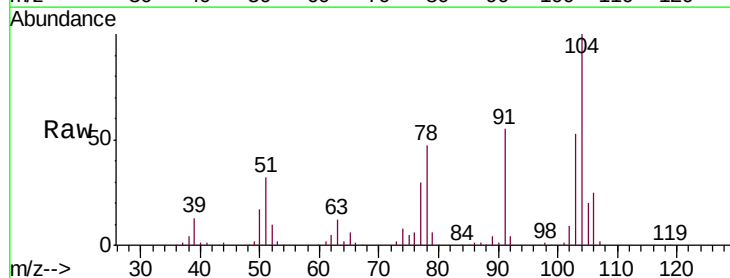


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

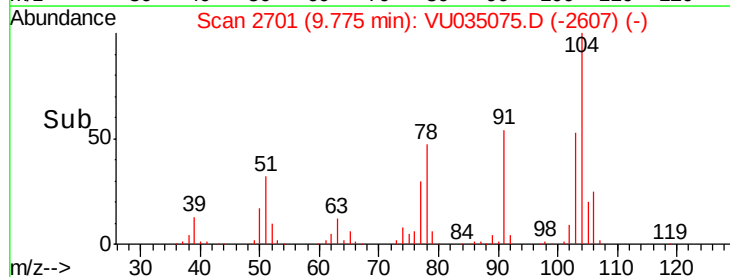
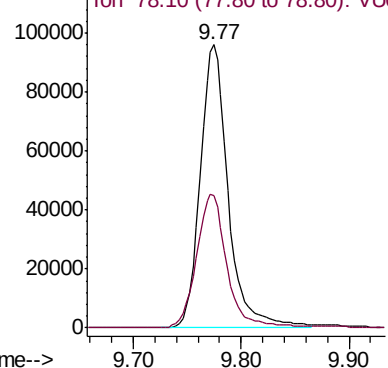


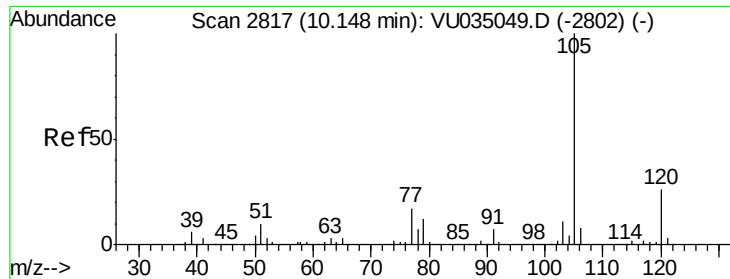
#55
Styrene
Concen: 4.794 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU035075.D
Acq: 11 Oct 2019 02:42

Tgt Ion:104 Resp: 173354
Ion Ratio Lower Upper
104 100
78 46.7 32.8 60.8



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





#56

Isopropylbenzene

Concen: 4.648 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU035075.D

Acq: 11 Oct 2019 02:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

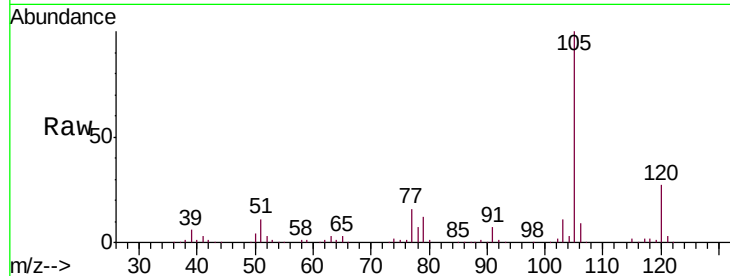
Tgt Ion: 105 Resp: 276485

Ion Ratio Lower Upper

105 100

120 26.0 21.3 31.9

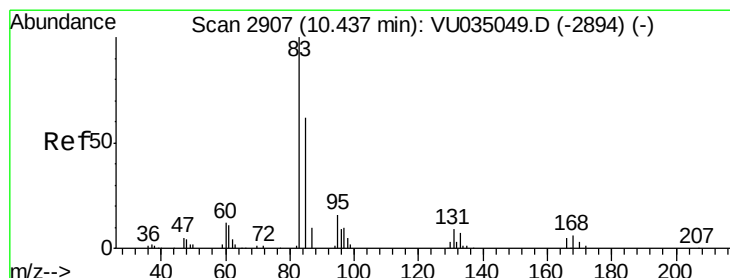
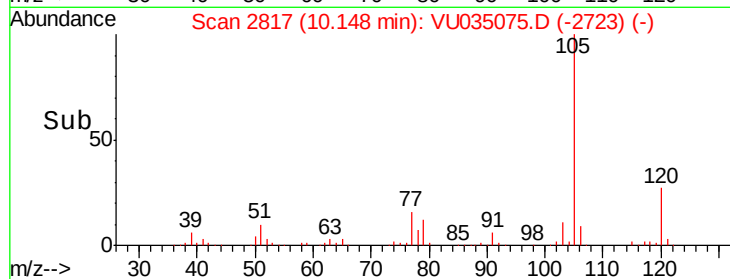
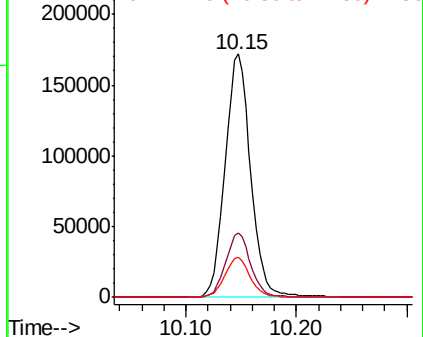
77 16.3 13.0 19.4



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: 4.871 ug/L

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU035075.D

Acq: 11 Oct 2019 02:42

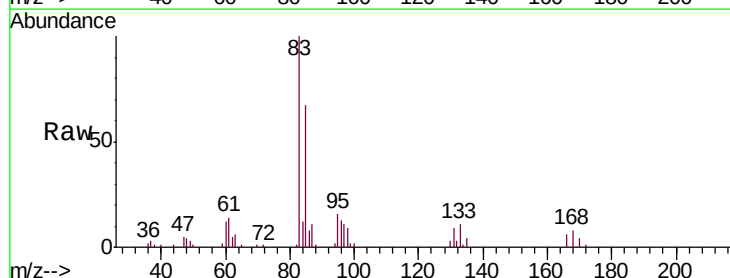
Tgt Ion: 83 Resp: 63604

Ion Ratio Lower Upper

83 100

85 66.6 44.6 82.8

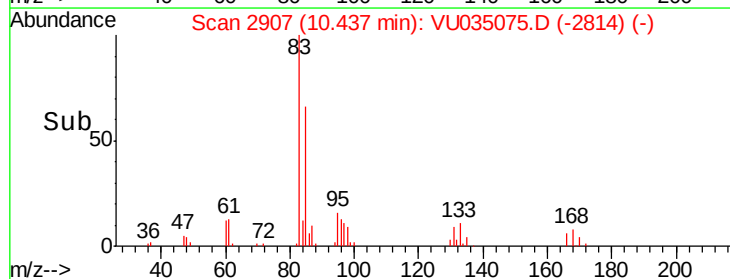
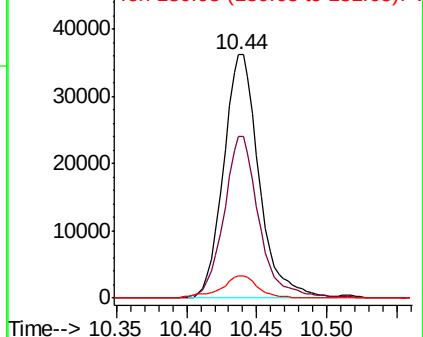
131 9.3 7.4 11.2

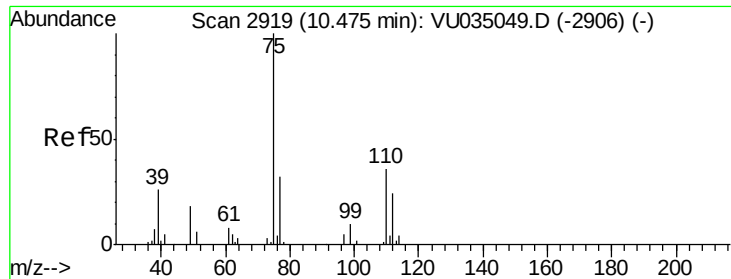


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

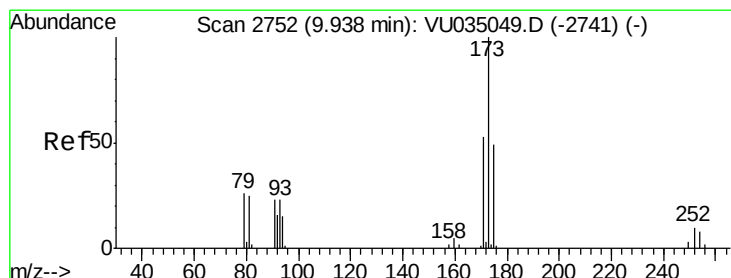
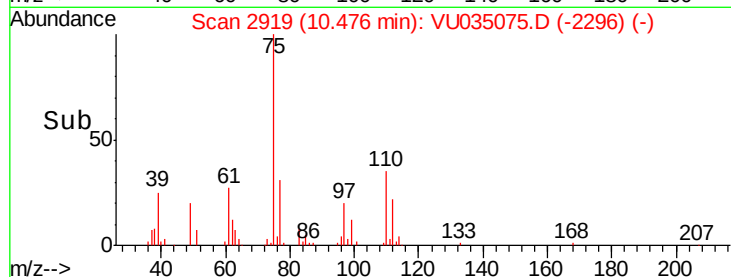
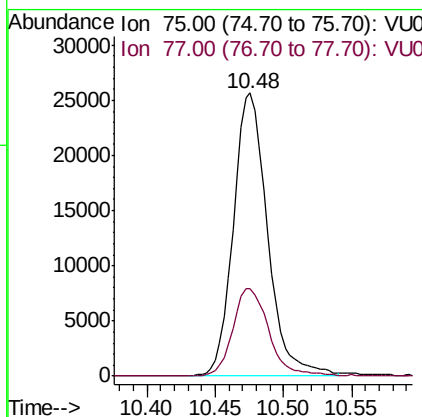
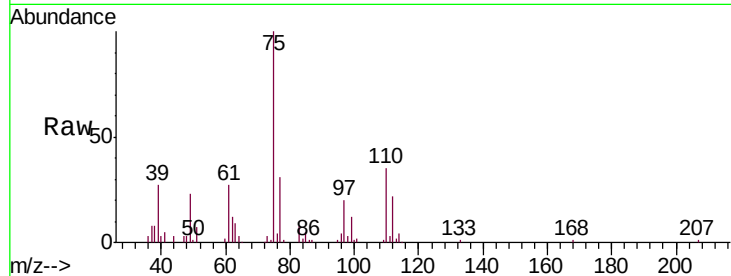




#59
 1,2,3-Trichloropropane
 Concen: 4.780 ug/L
 RT: 10.48 min Scan# 2919
 Delta R.T. 0.00 min
 Lab File: VU035075.D
 Acq: 11 Oct 2019 02:42

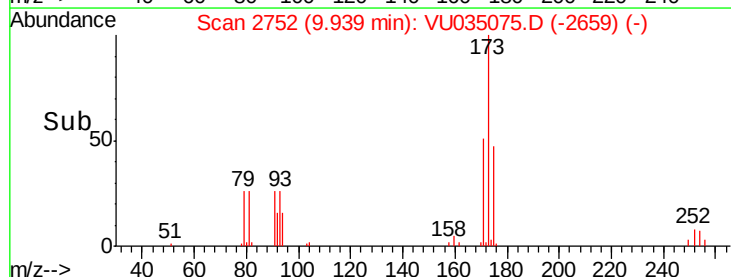
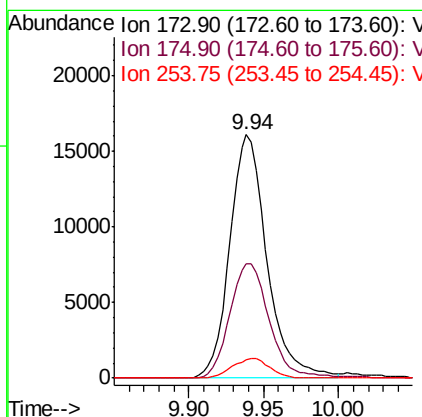
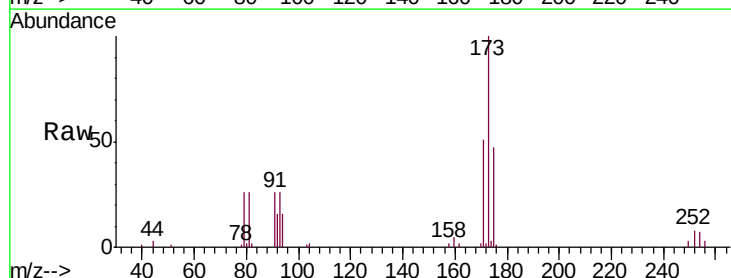
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

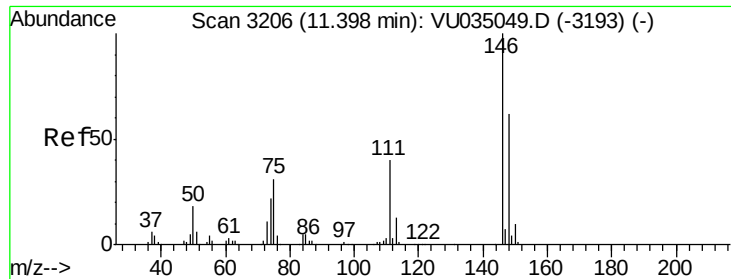
Tgt Ion: 75 Resp: 44751
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.5 39.7



#61
 Bromoform
 Concen: 4.692 ug/L
 RT: 9.94 min Scan# 2752
 Delta R.T. 0.00 min
 Lab File: VU035075.D
 Acq: 11 Oct 2019 02:42

Tgt Ion: 173 Resp: 27864
 Ion Ratio Lower Upper
 173 100
 175 49.8 37.2 55.8
 254 8.1 6.6 9.8

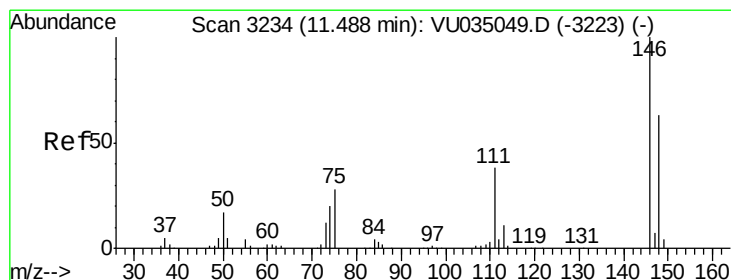
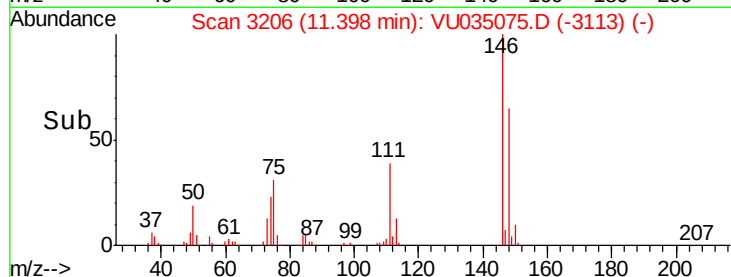
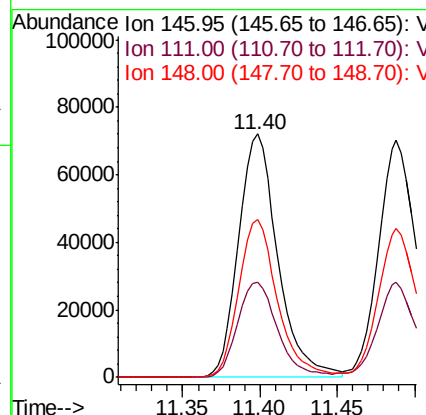
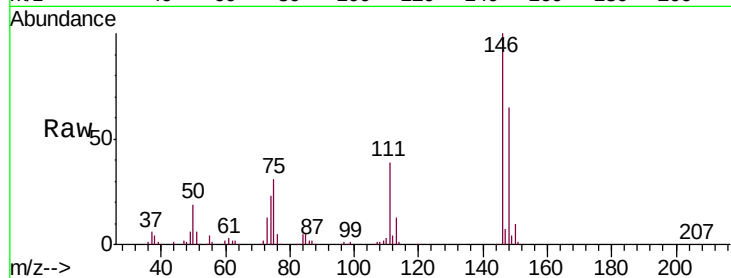




#62
 1,3-Dichlorobenzene
 Concen: 4.771 ug/L
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU035075.D
 Acq: 11 Oct 2019 02:42

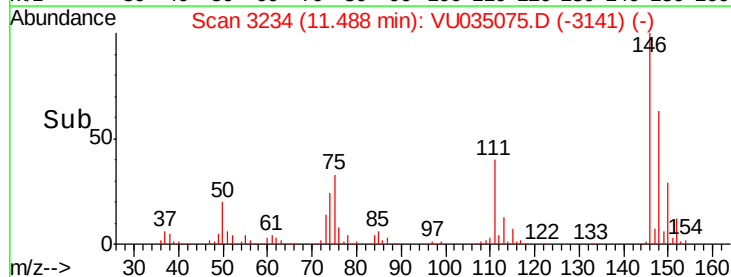
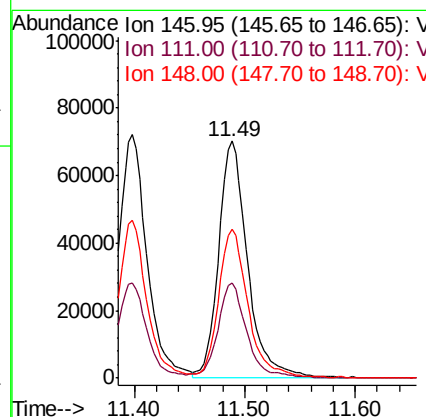
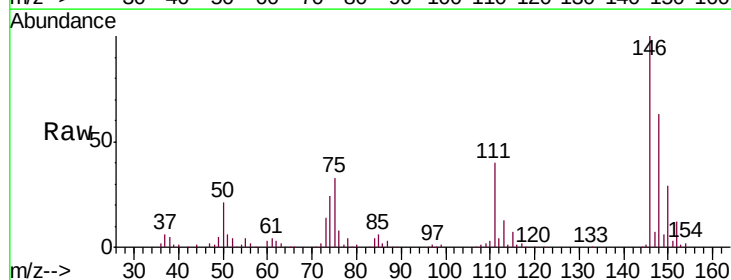
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

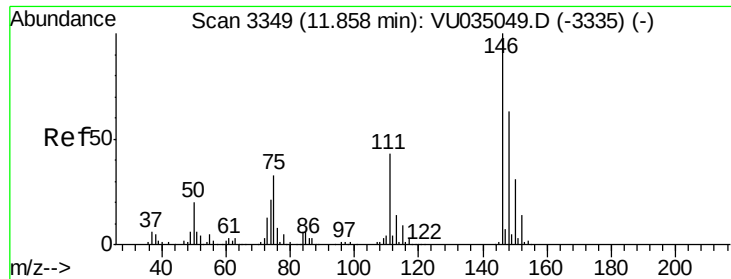
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	28.6	53.2
148	65.0	45.0	83.6



#63
 1,4-Dichlorobenzene
 Concen: 4.707 ug/L
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU035075.D
 Acq: 11 Oct 2019 02:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	27.9	51.7
148	63.0	44.1	81.9





#65

1,2-Dichlorobenzene

Concen: 4.796 ug/L

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU035075.D

Acq: 11 Oct 2019 02:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

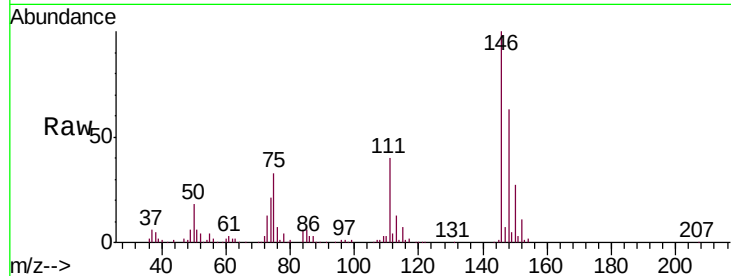
Tgt Ion:146 Resp: 123435

Ion Ratio Lower Upper

146 100

111 40.3 34.2 51.4

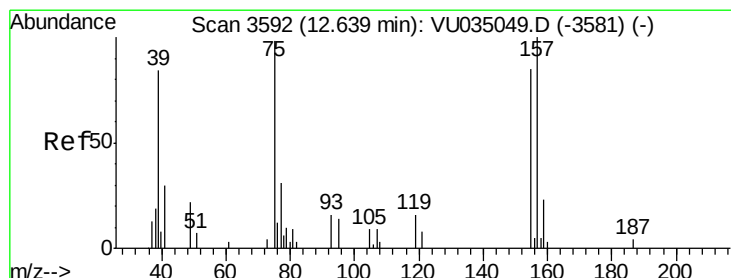
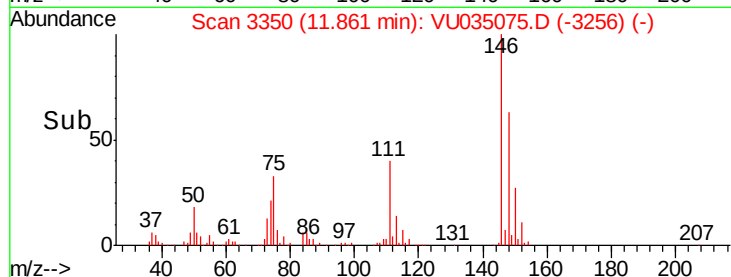
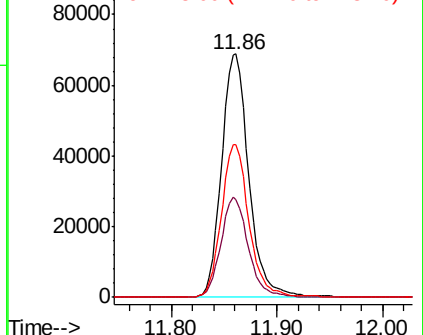
148 62.6 52.0 78.0



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: 4.820 ug/L

RT: 12.64 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VU035075.D

Acq: 11 Oct 2019 02:42

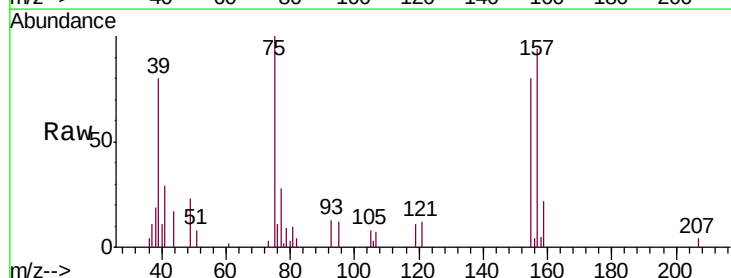
Tgt Ion: 75 Resp: 7883

Ion Ratio Lower Upper

75 100

155 80.3 67.1 100.7

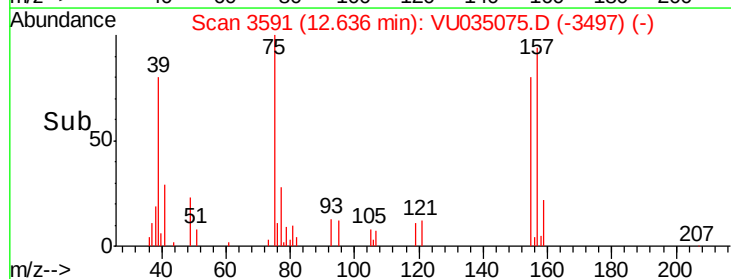
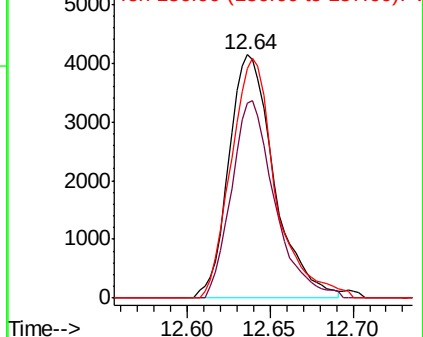
157 94.0 83.7 125.5

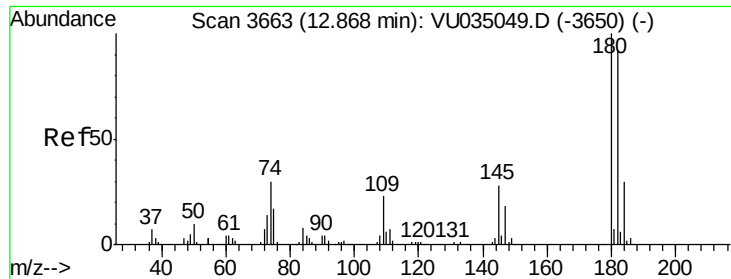


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#67

1,3,5-Trichlorobenzene

Concen: 4.388 ug/L

RT: 12.86 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VU035075.D

Acq: 11 Oct 2019 02:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

Tgt Ion:180 Resp: 79247

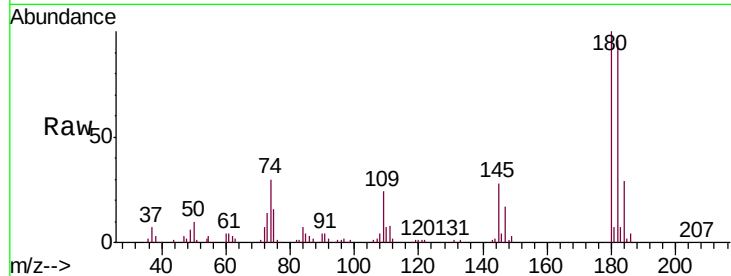
Ion Ratio Lower Upper

180 100

182 97.1 76.0 114.0

184 29.8 24.2 36.2

145 28.4 24.6 37.0

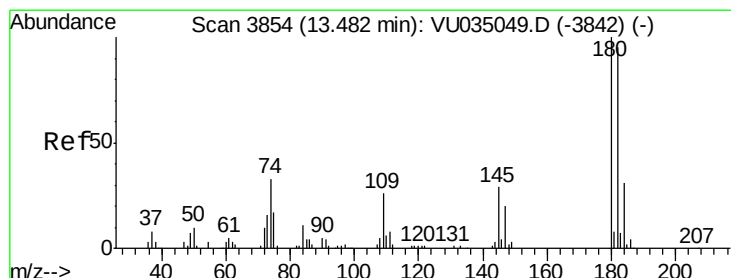
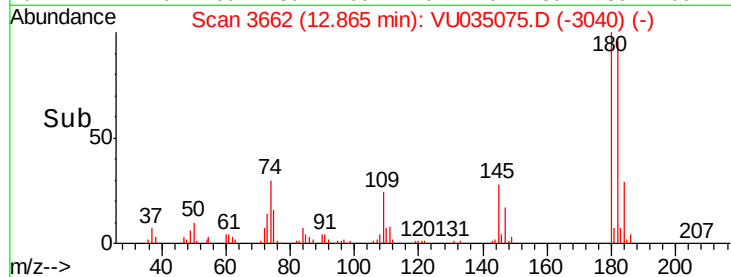
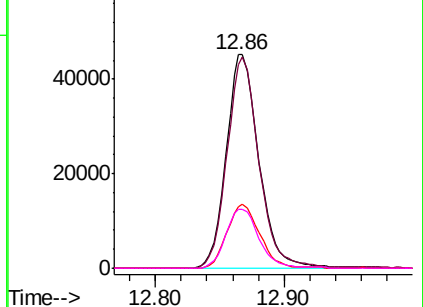


Abundance Ion 180.00 (179.70 to 180.70): V

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: 3.756 ug/L

RT: 13.49 min Scan# 3855

Delta R.T. 0.00 min

Lab File: VU035075.D

Acq: 11 Oct 2019 02:42

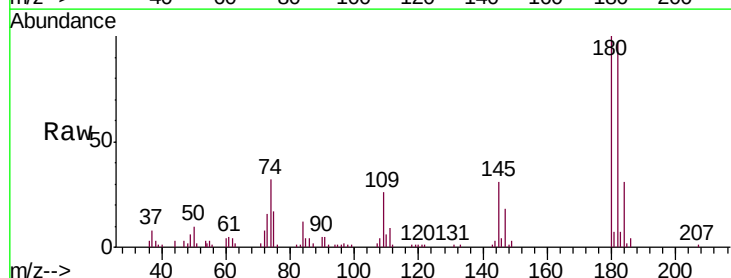
Tgt Ion:180 Resp: 50662

Ion Ratio Lower Upper

180 100

182 96.4 77.3 115.9

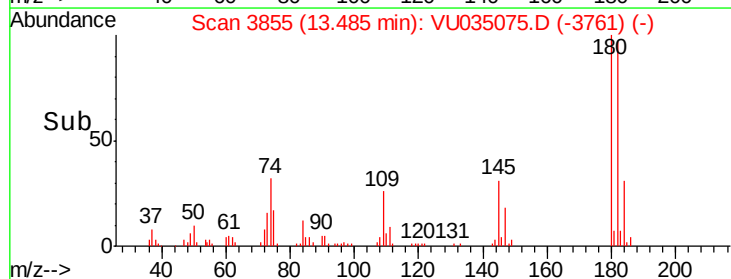
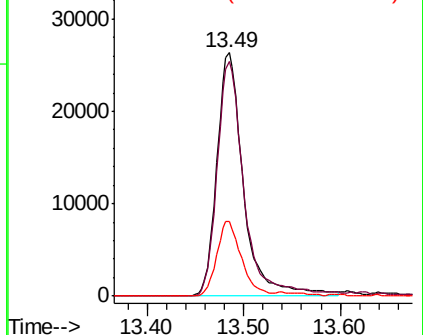
145 28.3 24.5 36.7

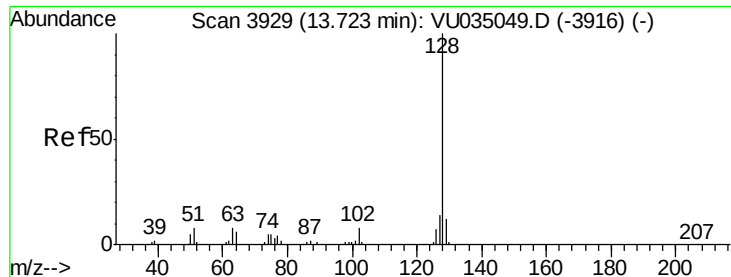


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 3.324 ug/L

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU035075.D

Acq: 11 Oct 2019 02:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

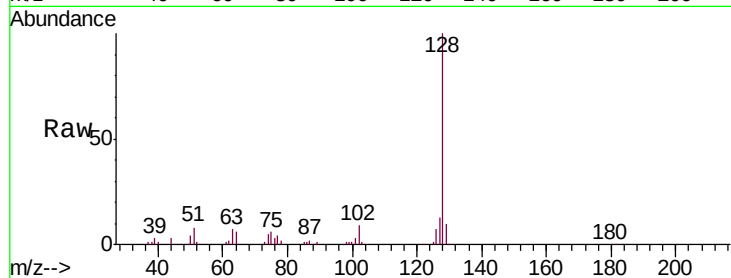
Tgt Ion:128 Resp: 69718

Ion Ratio Lower Upper

128 100

129 9.7 8.7 13.1

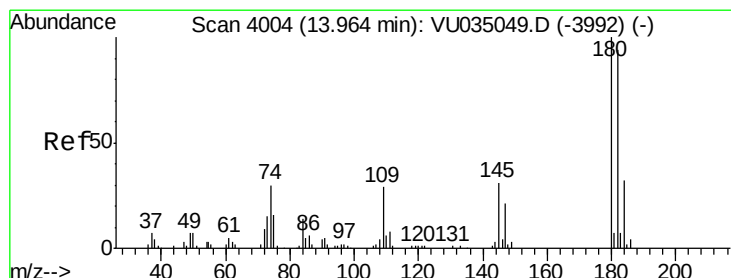
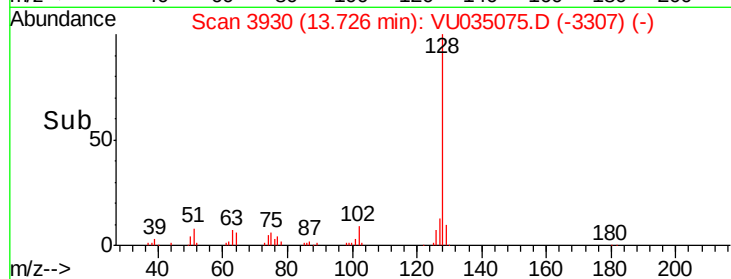
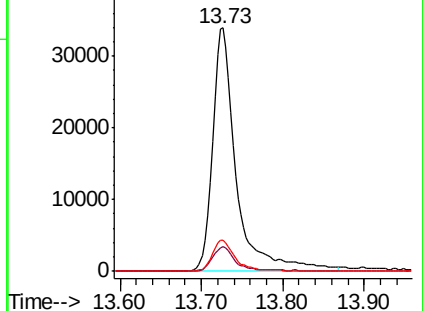
127 11.9 10.6 15.8



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: 4.008 ug/L

RT: 13.97 min Scan# 4005

Delta R.T. 0.00 min

Lab File: VU035075.D

Acq: 11 Oct 2019 02:42

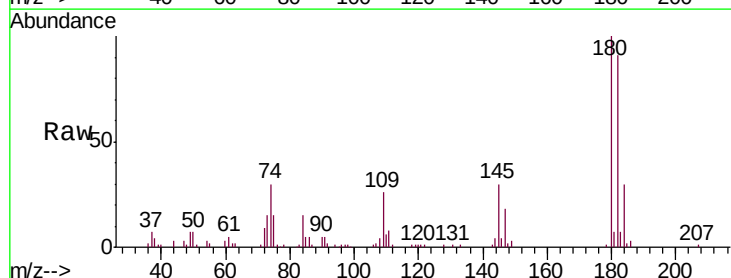
Tgt Ion:180 Resp: 52565

Ion Ratio Lower Upper

180 100

182 94.5 77.0 115.4

145 30.4 25.9 38.9



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

