

Data File : VU033256.D
Acq On : 16 Jul 2019 09:25
Operator : JC/SP
Sample : VSTD00104
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

Quant Time: Jul 17 04:01:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 17 03:58:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	131389	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	133764	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	63557	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	12584	1.42	ug/L	0.00
7) Chloroethane-d5	1.67	69	10593	1.36	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	24686	1.25	ug/L	0.00
20) 2-Butanone-d5	4.19	46	23290	8.49	ug/L	0.00
24) Chloroform-d	4.63	84	18951	1.03	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	10333	0.99	ug/L	0.00
32) Benzene-d6	5.32	84	34732	1.04	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	11427	1.04	ug/L	0.00
41) Toluene-d8	7.55	98	31851	0.99	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	4236	0.91	ug/L	0.00
46) 2-Hexanone-d5	8.30	63	15832	8.22	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.42	84	9049	0.95	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	12161	1.05	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	11057	0.846 ug/L	98
3) Chloromethane	1.32	50	13101	0.990 ug/L	97
5) Vinyl chloride	1.40	62	13504	1.018 ug/L	98
6) Bromomethane	1.62	94	8642	1.128 ug/L	91
8) Chloroethane	1.69	64	8911	1.103 ug/L	100
9) Trichlorofluoromethane	1.88	101	19891	1.053 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	10882	1.097 ug/L	99
12) 1,1-Dichloroethene	2.27	96	10365	1.142 ug/L	93
13) Acetone	2.34	43	21701	9.624 ug/L	99
14) Carbon disulfide	2.46	76	33732	1.125 ug/L	97
15) Methyl Acetate	2.61	43	5581	1.028 ug/L	100
16) Methylene chloride	2.68	84	13698	1.277 ug/L	98
17) Methyl tert-butyl Ether	2.99	73	27044	1.041 ug/L	98
18) trans-1,2-Dichloroethene	2.96	96	11809	1.177 ug/L	98
19) 1,1-Dichloroethane	3.42	63	17784	0.938 ug/L	95
21) 2-Butanone	4.27	43	22148	7.097 ug/L	95
22) cis-1,2-Dichloroethene	4.20	96	9457	0.907 ug/L	93
23) Bromochloromethane	4.53	128	4288	0.889 ug/L	94
25) Chloroform	4.65	83	19887	0.949 ug/L	100
27) 1,2-Dichloroethane	5.39	62	11485	0.853 ug/L	98
29) 1,1,1-Trichloroethane	4.89	97	15026	0.887 ug/L	98
30) Cyclohexane	4.97	56	12914	0.839 ug/L	96
31) Carbon tetrachloride	5.11	117	12979	0.856 ug/L	99
33) Benzene	5.37	78	35090	0.894 ug/L	100
34) Trichloroethene	6.17	95	9627	0.908 ug/L	98
35) Methylcyclohexane	6.39	83	13406	0.847 ug/L	98
37) 1,2-Dichloropropane	6.41	63	9729	0.905 ug/L	100
38) Bromodichloromethane	6.74	83	12578	0.900 ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	13245	0.874 ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	51403	7.112 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	37067	0.877	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	10674	0.845	ug/L	96
45) 1,1,2-Trichloroethane	8.05	97	7186	0.952	ug/L	95
47) Tetrachloroethene	8.21	164	7593	0.870	ug/L	88
48) 2-Hexanone	8.35	43	37333	7.083	ug/L	96
49) Dibromochloromethane	8.46	129	8488	0.896	ug/L	88
50) 1,2-Dibromoethane	8.57	107	6529	0.901	ug/L #	95
51) Chlorobenzene	9.10	112	25225	0.905	ug/L	98
52) Ethylbenzene	9.23	91	37360	0.809	ug/L	99
53) m,p-Xylene	9.36	106	13716	0.807	ug/L	97
54) o-Xylene	9.76	106	12875	0.779	ug/L	94
55) Styrene	9.78	104	22076	0.787	ug/L	99
56) Isopropylbenzene	10.15	105	34932	0.791	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	8867	0.916	ug/L	97
59) 1,2,3-Trichloropropane	10.48	75	6367	0.871	ug/L	97
61) Bromoform	9.94	173	4031	0.844	ug/L	97
62) 1,3-Dichlorobenzene	11.40	146	18030	0.909	ug/L	96
63) 1,4-Dichlorobenzene	11.49	146	19874	0.959	ug/L	95
65) 1,2-Dichlorobenzene	11.86	146	18505	0.953	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	1488	1.091	ug/L	85
67) 1,3,5-Trichlorobenzene	12.87	180	14394	0.929	ug/L	98
68) 1,2,4-trichlorobenzene	13.49	180	10406	0.921	ug/L	94
69) Naphthalene	13.73	128	16635	0.963	ug/L	97
70) 1,2,3-Trichlorobenzene	13.98	180	9870	0.915	ug/L	96

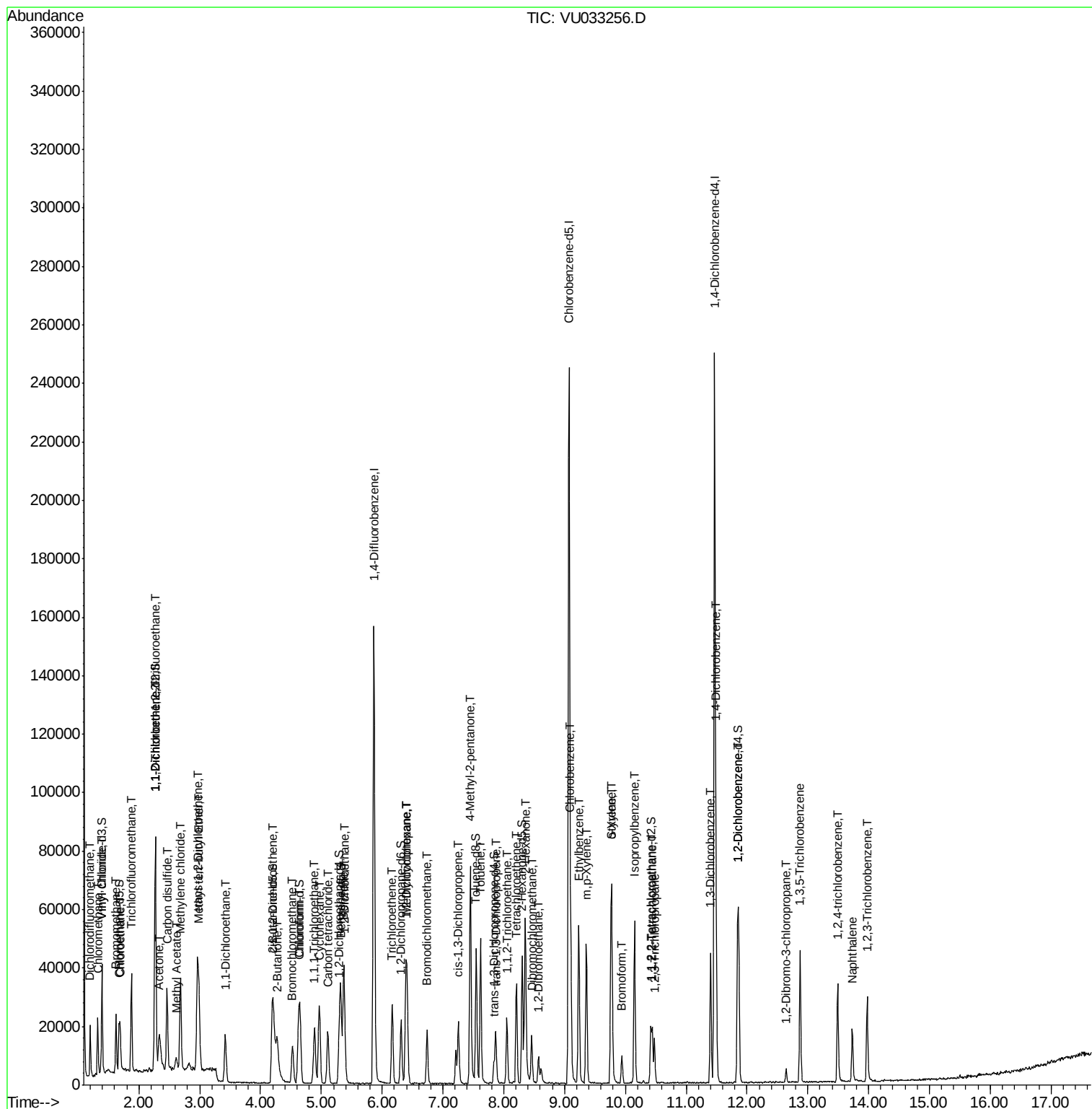
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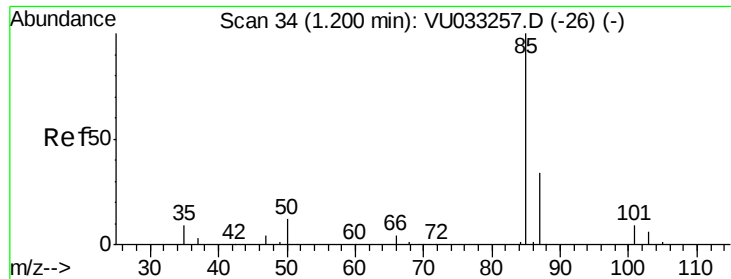
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#2

Dichlorodifluoromethane

Concen: 0.846 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033256.D

Acq: 16 Jul 2019 09:25

Instrument :

MSVOA_U

ClientSampleId :

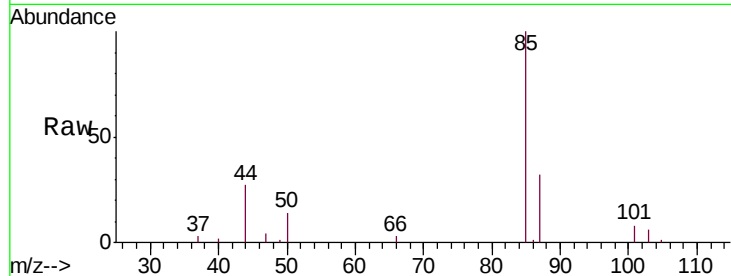
VSTD00104

Tgt Ion: 85 Resp: 11057

Ion Ratio Lower Upper

85 100

87 31.7 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU033256.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU033256.D (-1) (-)

12000

10000

8000

6000

4000

2000

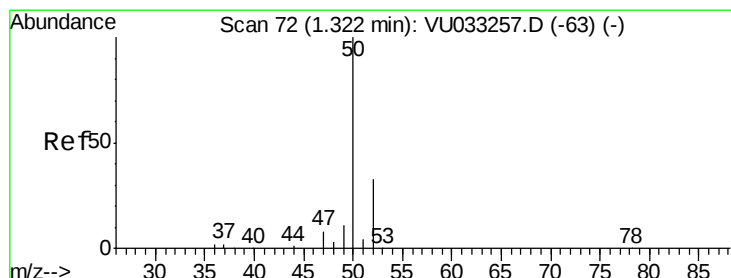
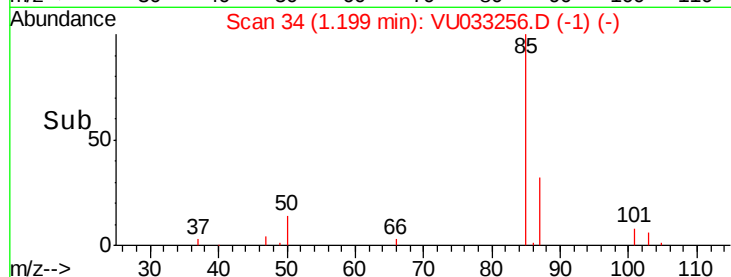
0

1.15

1.20

1.25

Time-->



#3

Chloromethane

Concen: 0.990 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU033256.D

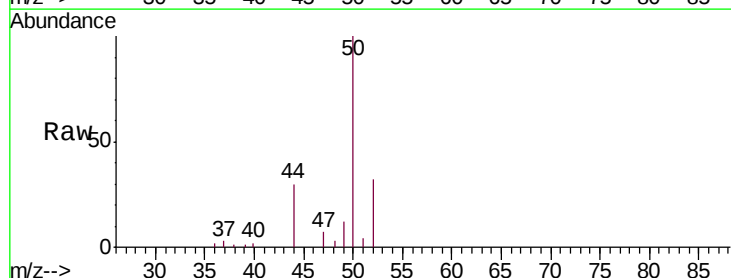
Acq: 16 Jul 2019 09:25

Tgt Ion: 50 Resp: 13101

Ion Ratio Lower Upper

50 100

52 31.5 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU033256.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU033256.D (-1) (-)

10000

5000

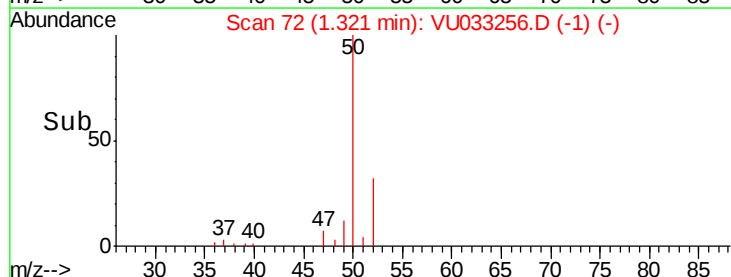
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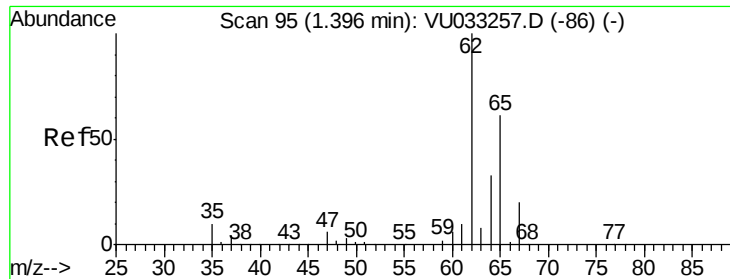
1.30

1.32

1.35

Time-->





#5

Vinyl chloride

Concen: 1.018 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033256.D

Acq: 16 Jul 2019 09:25

Instrument :

MSVOA_U

ClientSampleId :

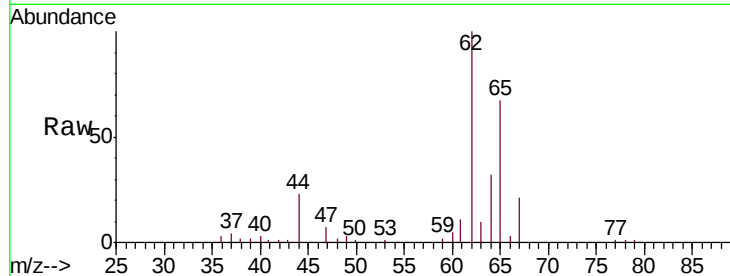
VSTD00104

Tgt Ion: 62 Resp: 13504

Ion Ratio Lower Upper

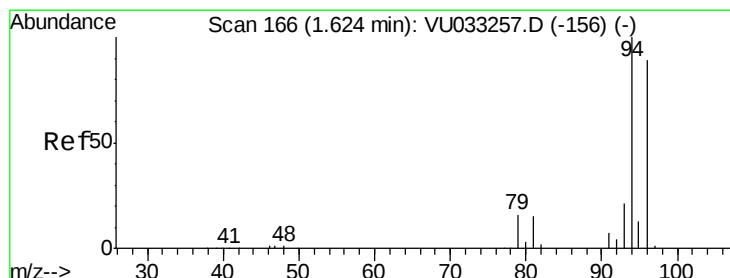
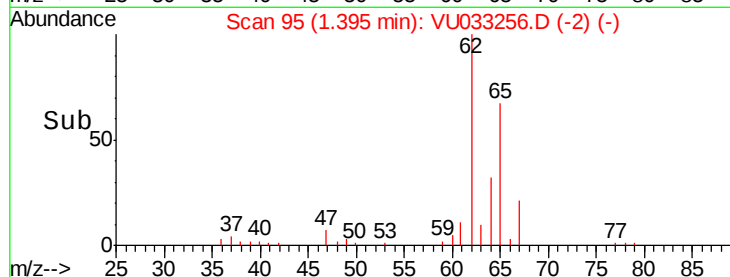
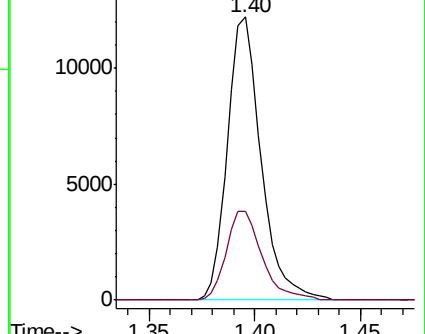
62 100

64 31.6 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 1.128 ug/L

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU033256.D

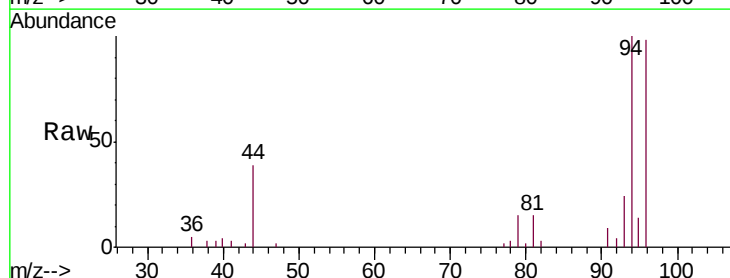
Acq: 16 Jul 2019 09:25

Tgt Ion: 94 Resp: 8642

Ion Ratio Lower Upper

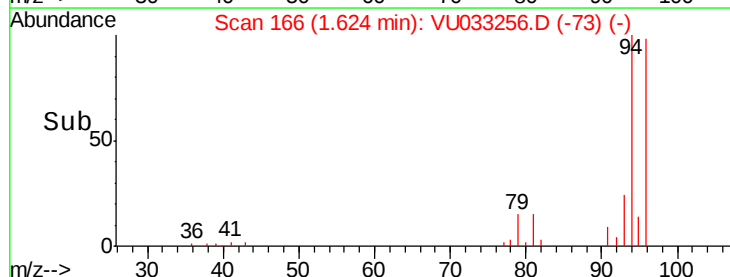
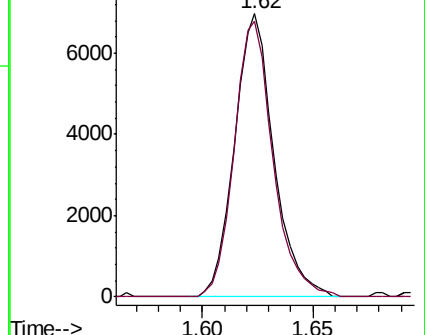
94 100

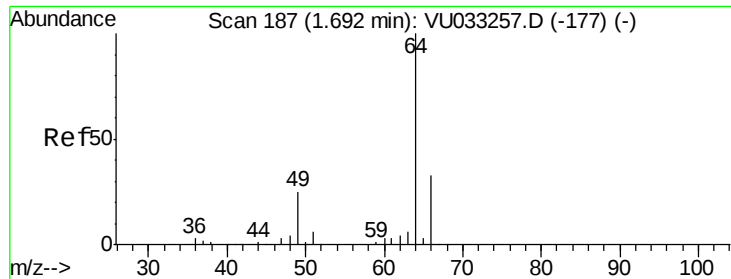
96 97.6 62.4 116.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 1.103 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU033256.D

Acq: 16 Jul 2019 09:25

Instrument :

MSVOA_U

ClientSampleId :

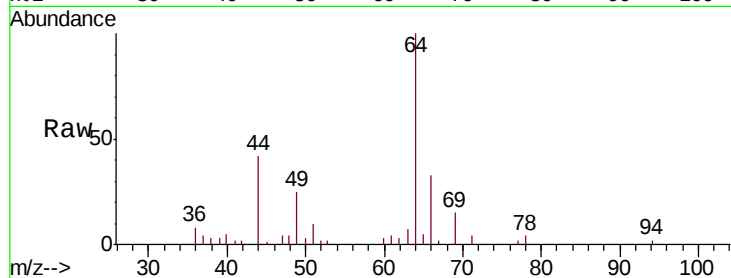
VSTD00104

Tgt Ion: 64 Resp: 8911

Ion Ratio Lower Upper

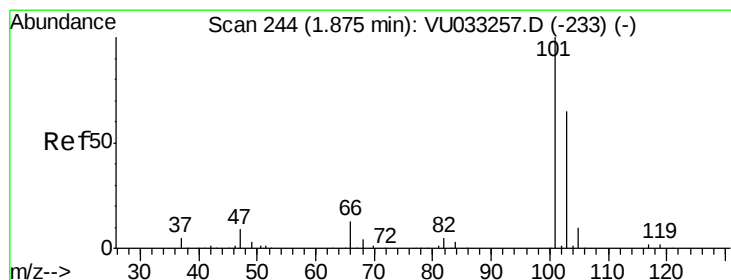
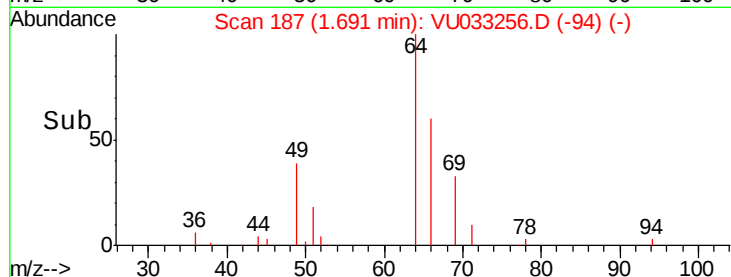
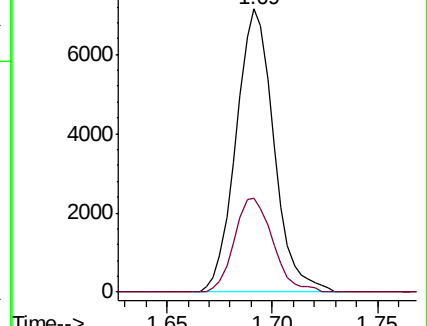
64 100

66 33.2 23.2 43.2



Abundance Ion 64.10 (63.80 to 64.80): VU033257.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU033257.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 1.053 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU033256.D

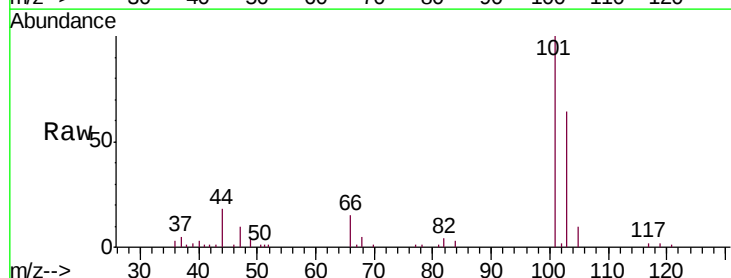
Acq: 16 Jul 2019 09:25

Tgt Ion: 101 Resp: 19891

Ion Ratio Lower Upper

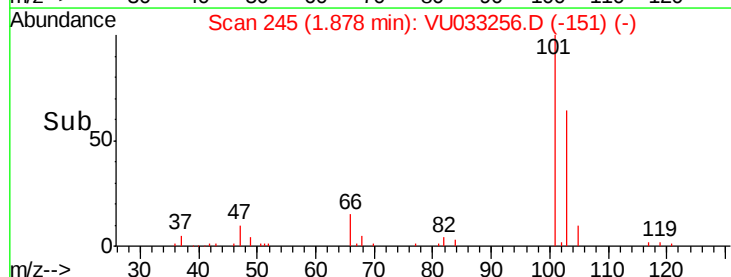
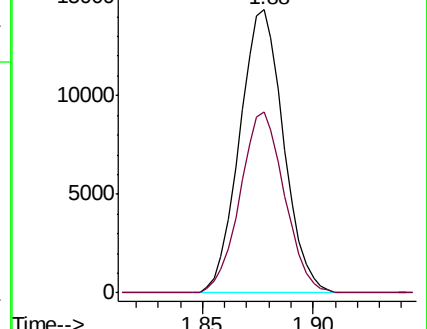
101 100

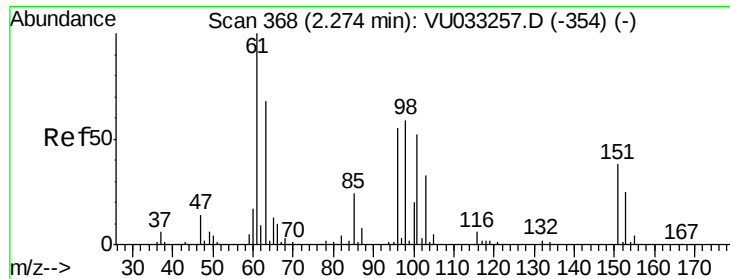
103 64.4 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU033257.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU033257.D (-233) (-)





#10

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

Concen: 1.097 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033256.D

Acq: 16 Jul 2019 09:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

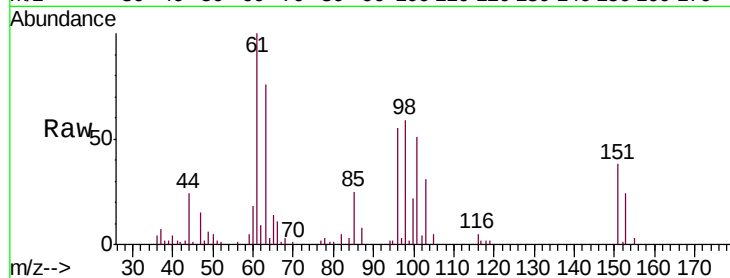
Tgt Ion:101 Resp: 10882

Ion Ratio Lower Upper

101 100

85 46.8 37.4 56.0

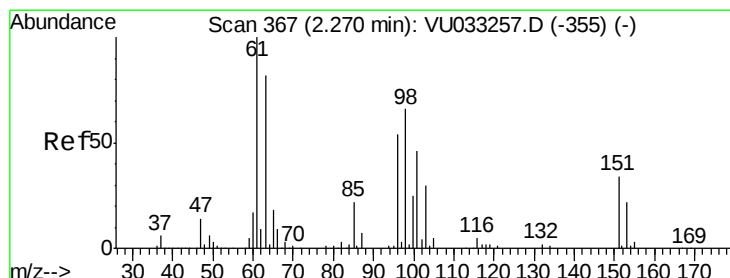
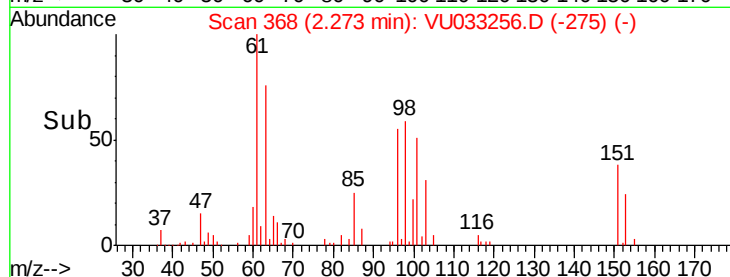
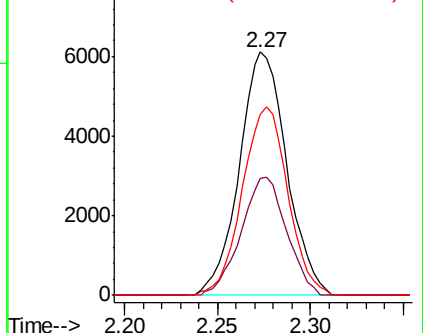
151 74.3 58.6 87.8



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: 1.142 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033256.D

Acq: 16 Jul 2019 09:25

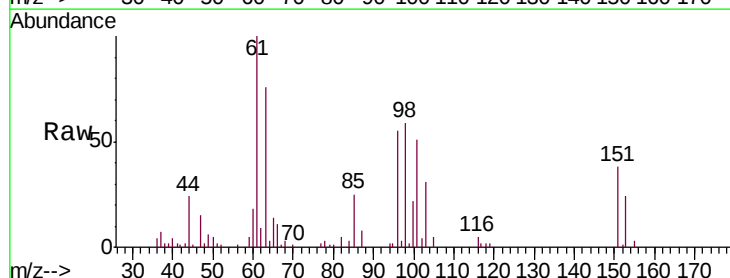
Tgt Ion: 96 Resp: 10365

Ion Ratio Lower Upper

96 100

61 181.8 129.3 240.1

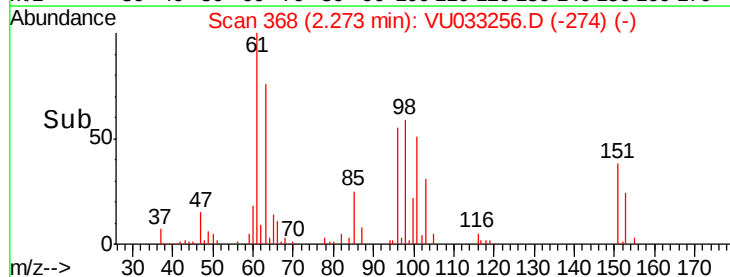
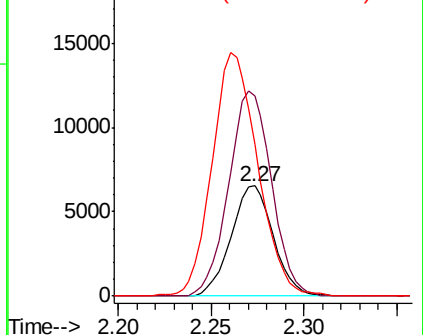
63 137.5 108.9 202.3

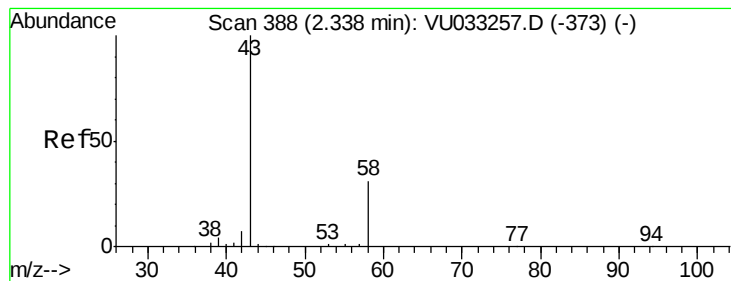


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 9.624 ug/L

RT: 2.34 min Scan# 388

Delta R.T. -0.00 min

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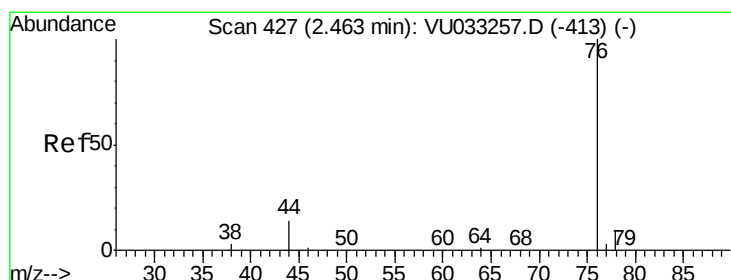
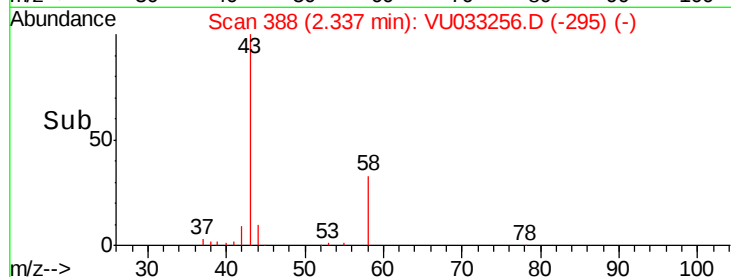
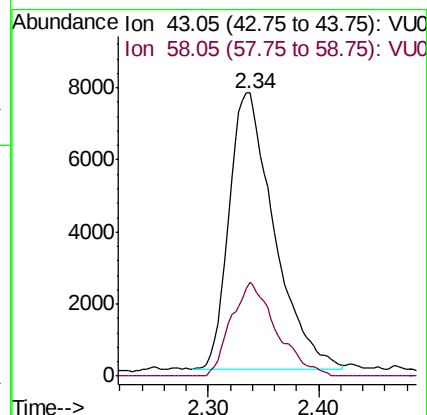
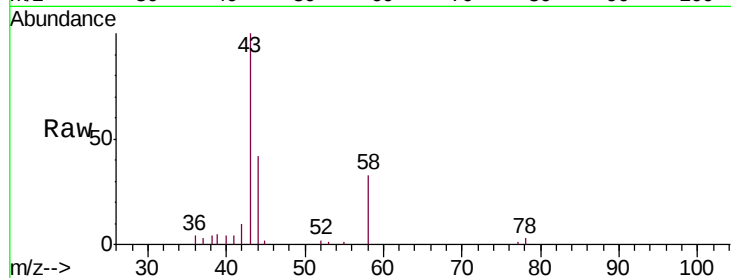
VSTD00104

Tgt Ion: 43 Resp: 21701

Ion Ratio Lower Upper

43 100

58 34.0 0.0 66.6



#14

Carbon disulfide

Concen: 1.125 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU033256.D

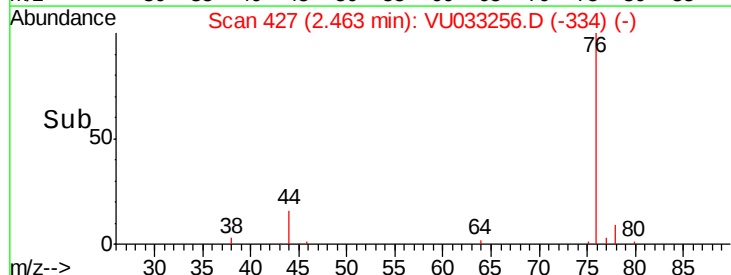
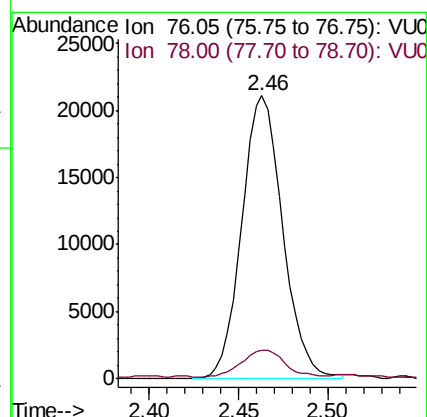
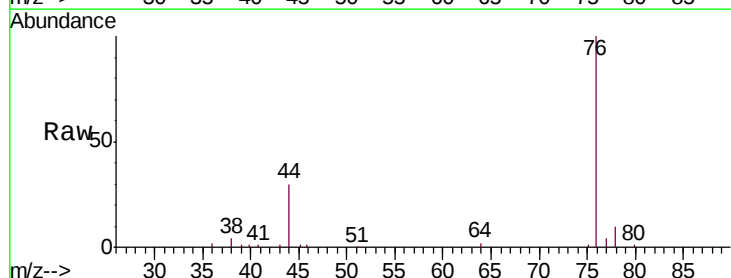
Acq: 16 Jul 2019 09:25

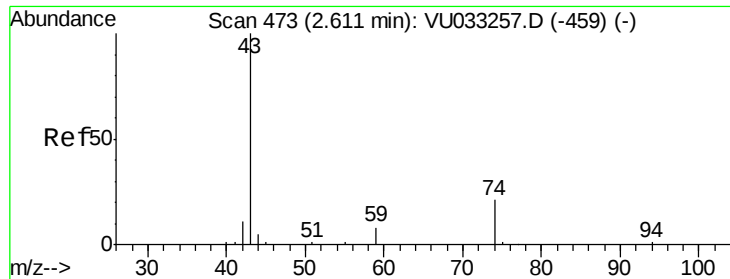
Tgt Ion: 76 Resp: 33732

Ion Ratio Lower Upper

76 100

78 10.0 7.1 10.7

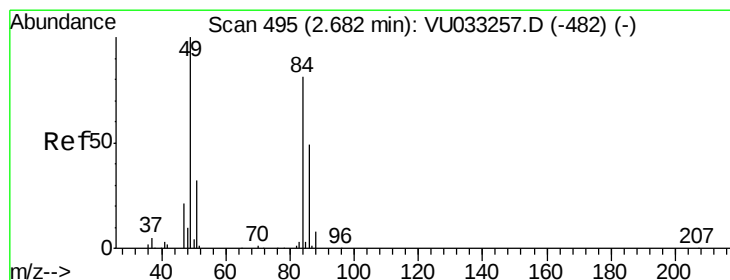
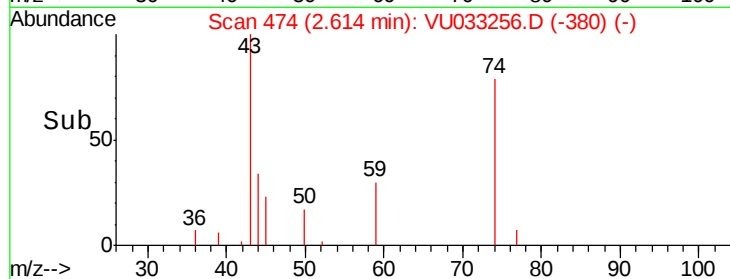
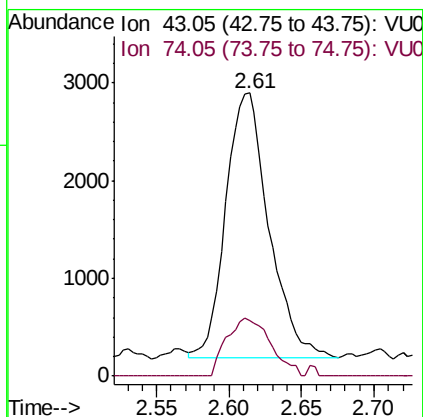
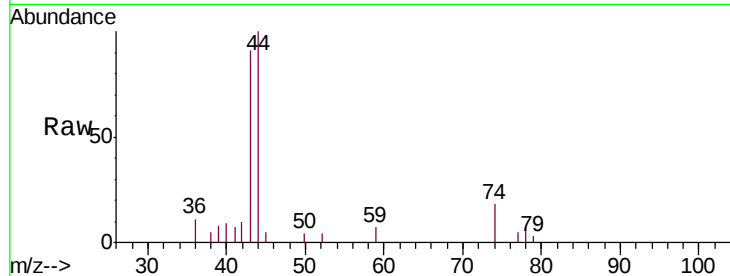




#15
Methyl Acetate
Concen: 1.028 ug/L
RT: 2.61 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU033256.D
Acq: 16 Jul 2019 09:25

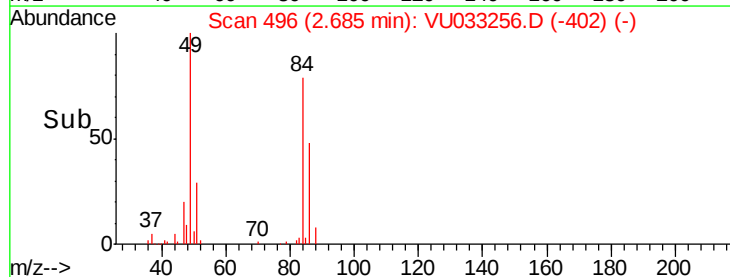
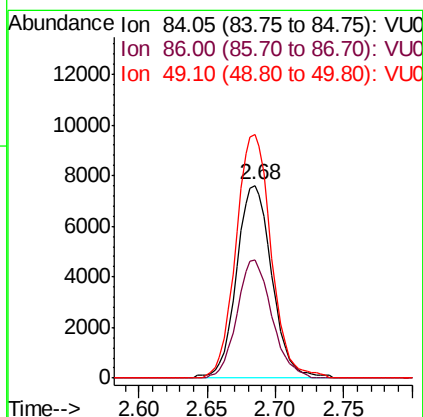
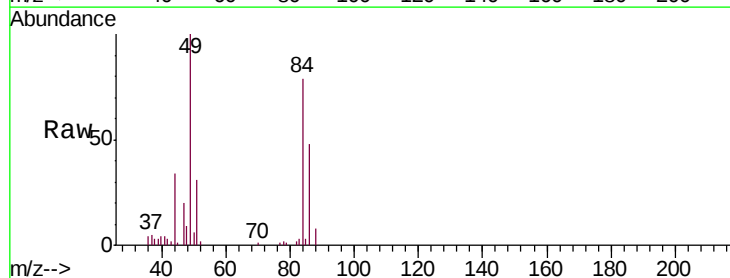
Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

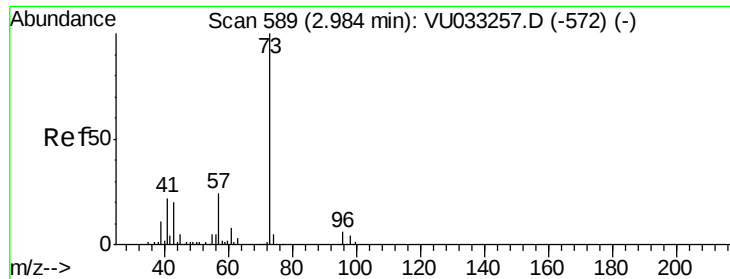
Tgt Ion: 43 Resp: 5581
Ion Ratio Lower Upper
43 100
74 22.3 17.8 26.8



#16
Methylene chloride
Concen: 1.277 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU033256.D
Acq: 16 Jul 2019 09:25

Tgt Ion: 84 Resp: 13698
Ion Ratio Lower Upper
84 100
86 61.2 42.5 78.9
49 126.3 86.9 161.3

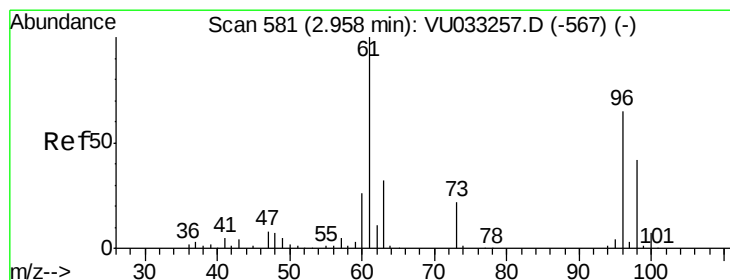
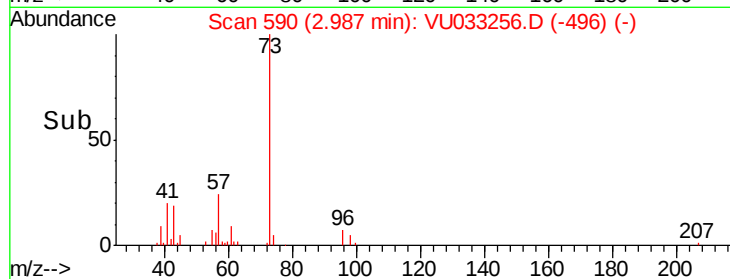
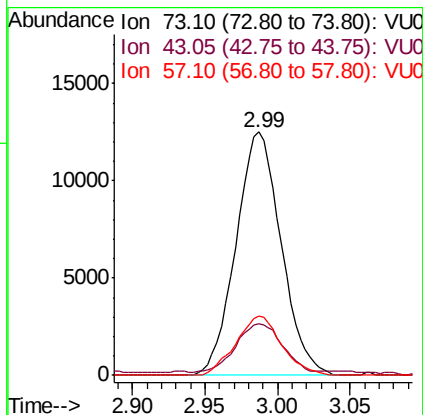
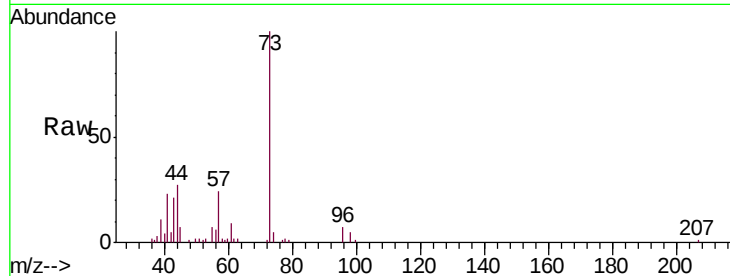




#17
Methyl tert-butyl Ether
Concen: 1.041 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU033256.D
Acq: 16 Jul 2019 09:25

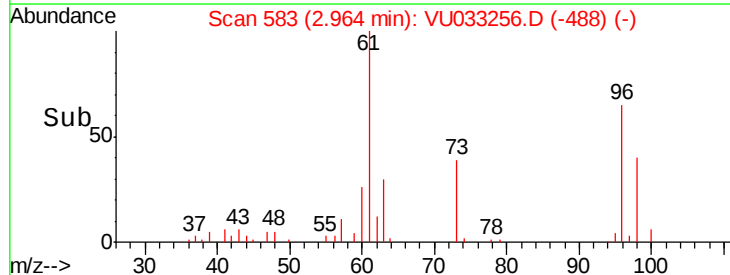
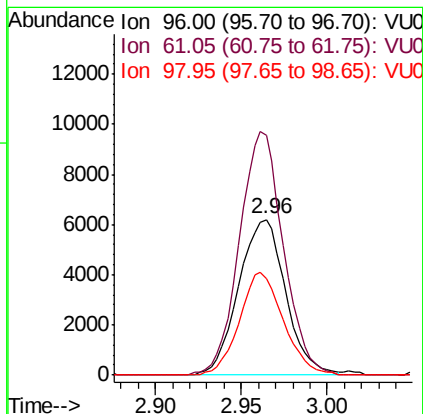
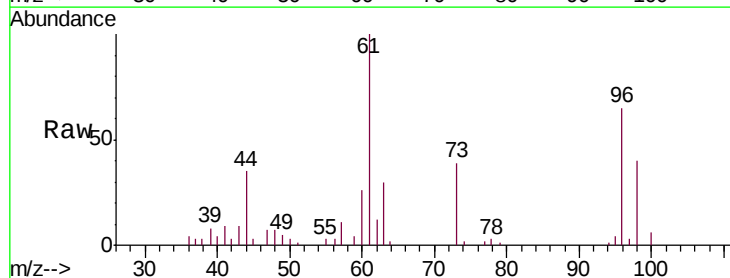
Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

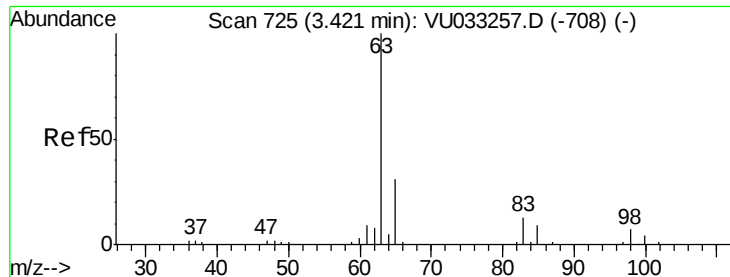
Tgt Ion: 73 Resp: 27044
Ion Ratio Lower Upper
73 100
43 19.8 16.3 24.5
57 24.7 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 1.177 ug/L
RT: 2.96 min Scan# 583
Delta R.T. 0.01 min
Lab File: VU033256.D
Acq: 16 Jul 2019 09:25

Tgt Ion: 96 Resp: 11809
Ion Ratio Lower Upper
96 100
61 154.4 107.1 198.9
98 62.3 45.4 84.4

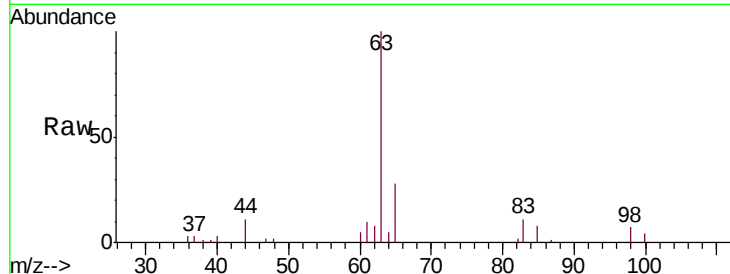




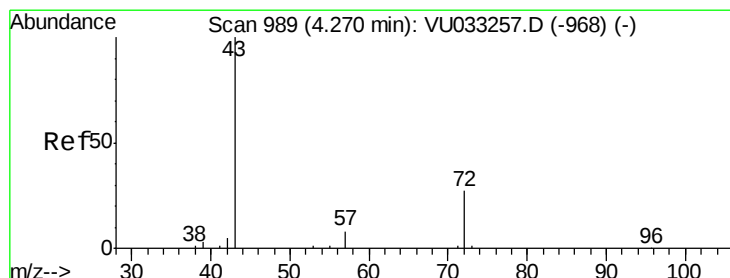
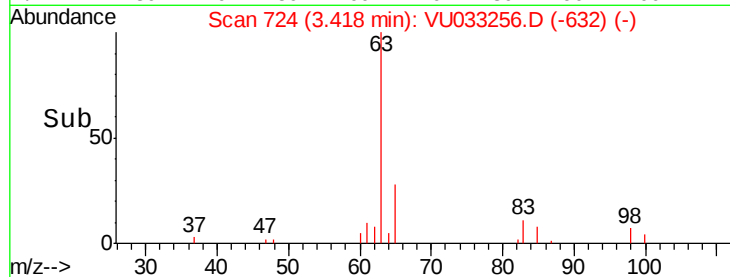
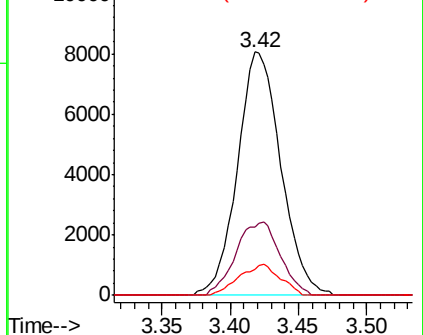
#19
 1,1-Dichloroethane
 Concen: 0.938 ug/L
 RT: 3.42 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VU033256.D
 Acq: 16 Jul 2019 09:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

Tgt Ion: 63 Resp: 17784
 Ion Ratio Lower Upper
 63 100
 65 28.1 21.7 40.3
 83 10.7 9.0 16.8

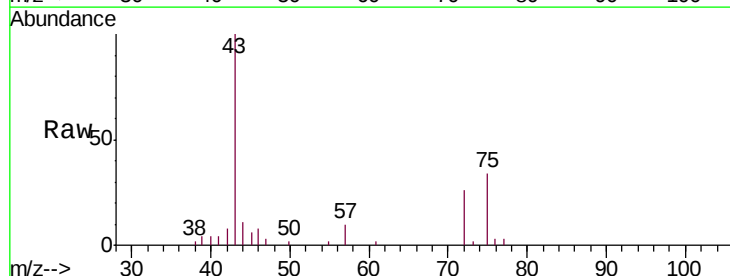


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

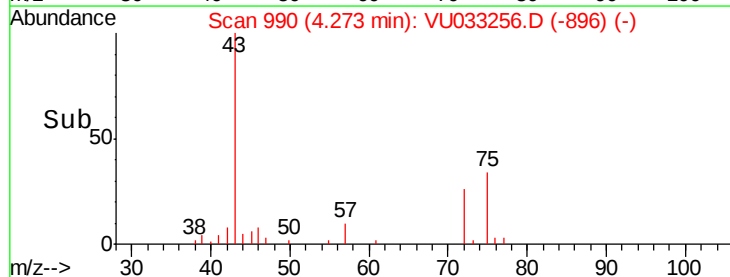
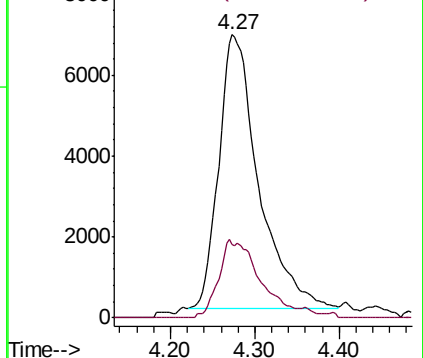


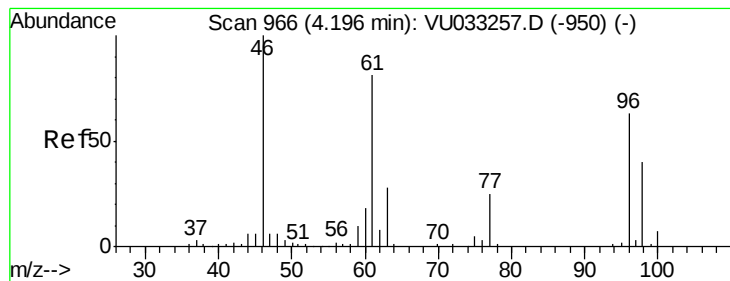
#21
 2-Butanone
 Concen: 7.097 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VU033256.D
 Acq: 16 Jul 2019 09:25

Tgt Ion: 43 Resp: 22148
 Ion Ratio Lower Upper
 43 100
 72 29.7 13.5 40.4



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



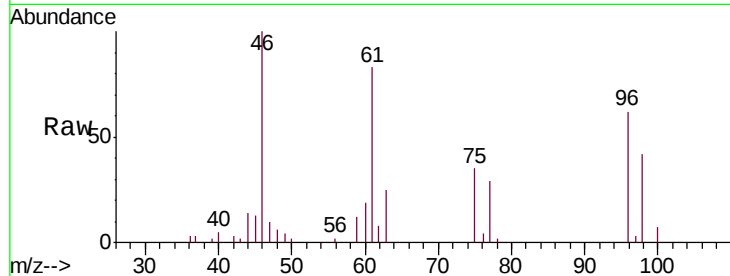


#22

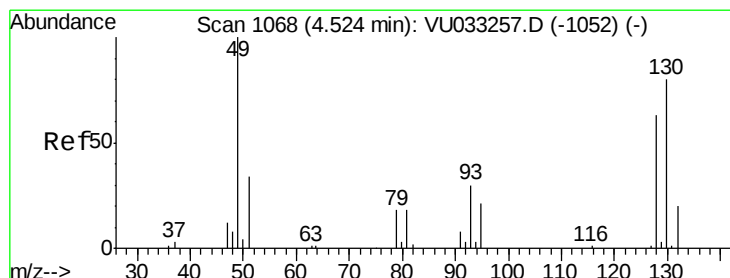
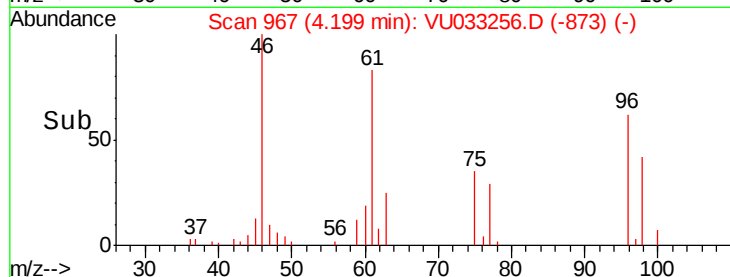
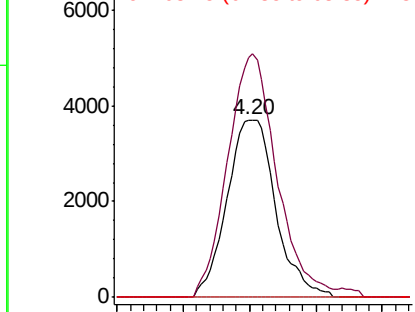
cis-1,2-Dichloroethene
 Concen: 0.907 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033256.D
 Acq: 16 Jul 2019 09:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

Tgt Ion: 96 Resp: 9457
 Ion Ratio Lower Upper
 96 100
 61 135.2 89.2 165.6
 68 0.0 0.0 0.0



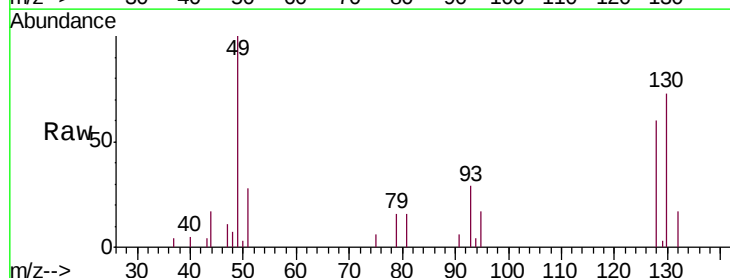
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



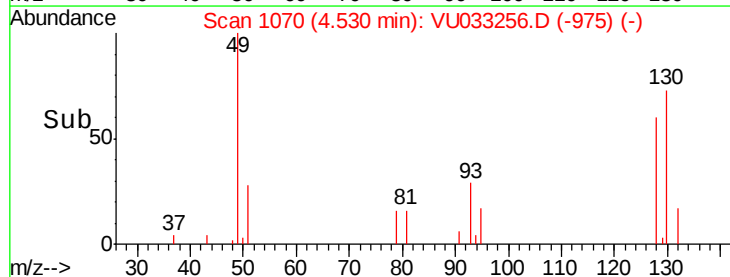
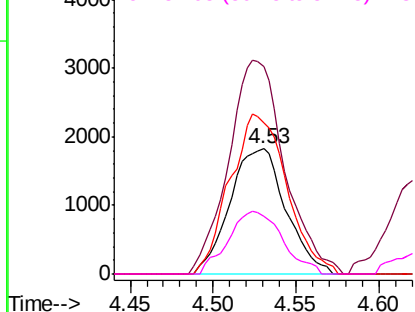
#23

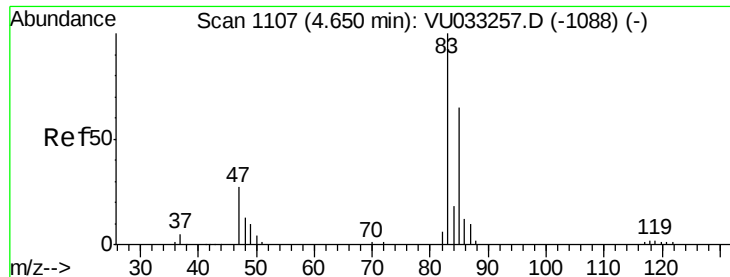
Bromochloromethane
 Concen: 0.889 ug/L
 RT: 4.53 min Scan# 1070
 Delta R.T. 0.01 min
 Lab File: VU033256.D
 Acq: 16 Jul 2019 09:25

Tgt Ion: 128 Resp: 4288
 Ion Ratio Lower Upper
 128 100
 49 165.6 110.5 205.3
 130 121.0 88.6 164.6
 51 46.1 43.2 64.8



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

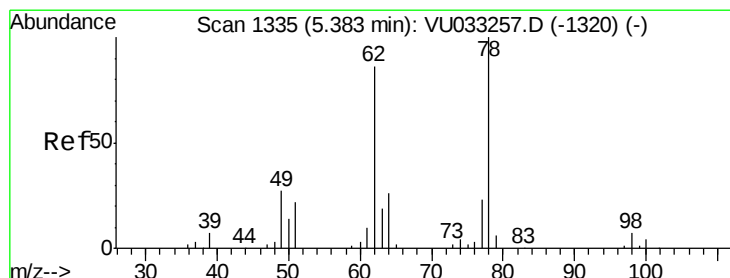
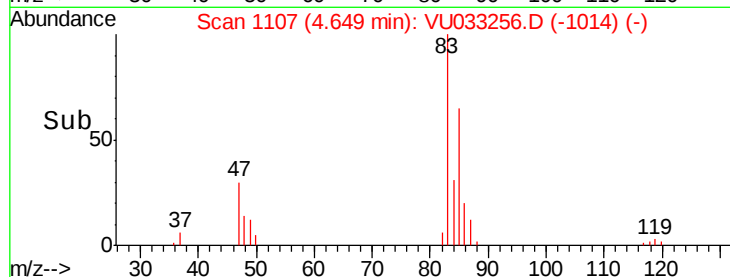
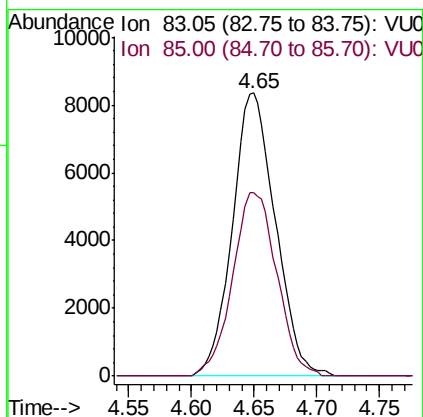
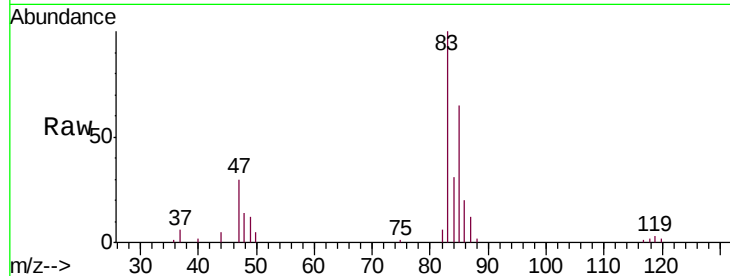




#25
 Chloroform
 Concen: 0.949 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: VU033256.D
 Acq: 16 Jul 2019 09:25

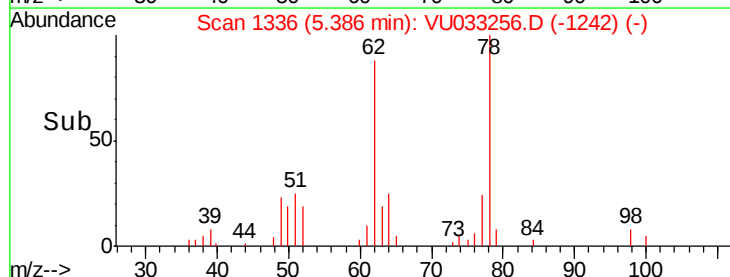
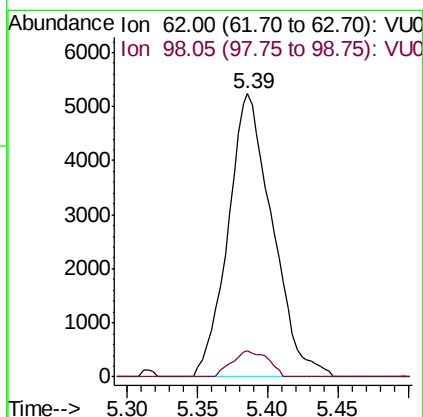
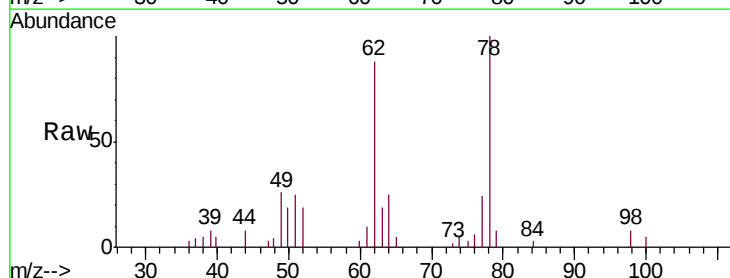
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

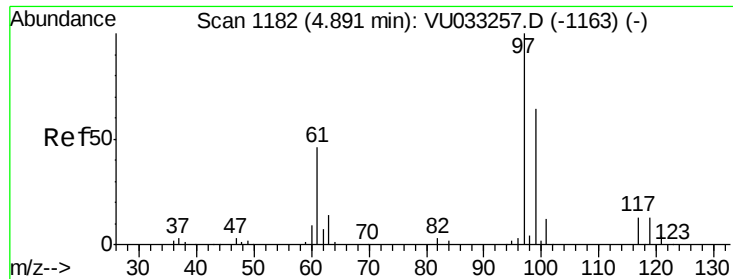
Tgt Ion: 83 Resp: 19887
 Ion Ratio Lower Upper
 83 100
 85 64.9 45.4 84.4



#27
 1,2-Dichloroethane
 Concen: 0.853 ug/L
 RT: 5.39 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU033256.D
 Acq: 16 Jul 2019 09:25

Tgt Ion: 62 Resp: 11485
 Ion Ratio Lower Upper
 62 100
 98 9.1 6.6 10.0

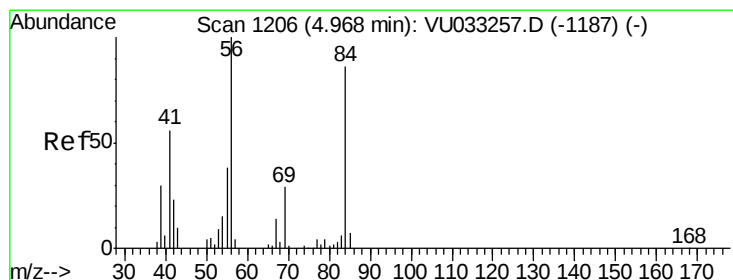
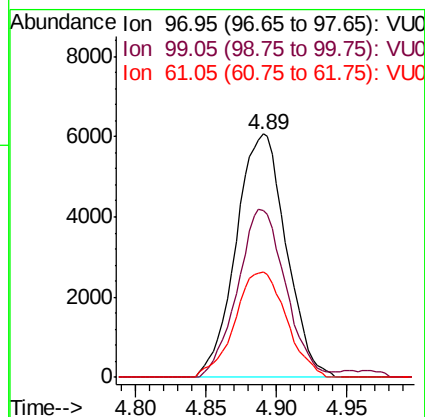
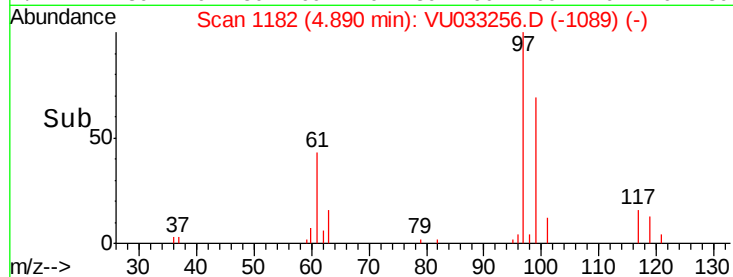
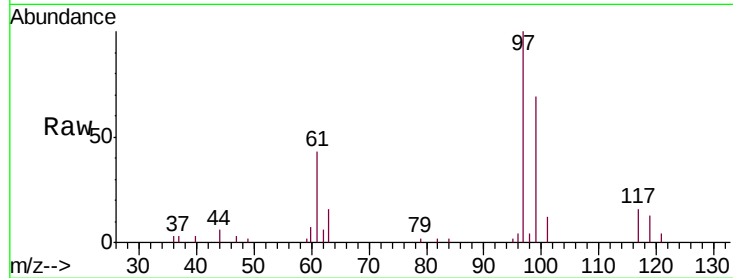




#29
1,1,1-Trichloroethane
Concen: 0.887 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU033256.D
Acq: 16 Jul 2019 09:25

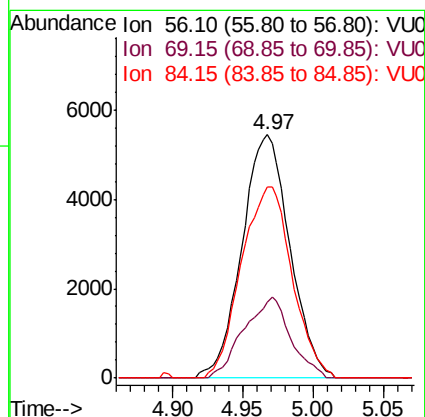
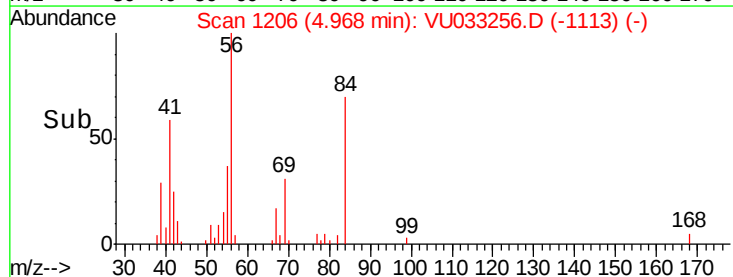
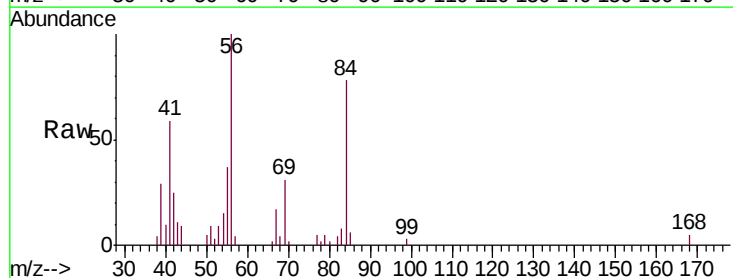
Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

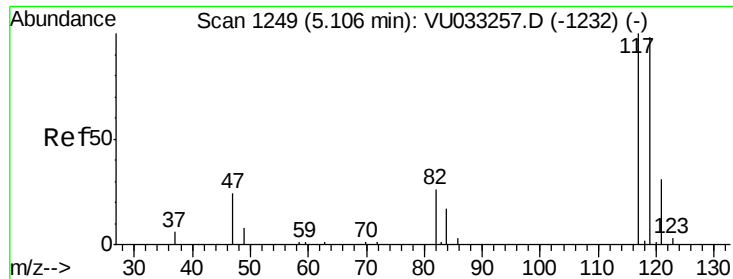
Tgt Ion: 97 Resp: 15026
Ion Ratio Lower Upper
97 100
99 66.5 51.6 77.4
61 44.5 36.2 54.4



#30
Cyclohexane
Concen: 0.839 ug/L
RT: 4.97 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VU033256.D
Acq: 16 Jul 2019 09:25

Tgt Ion: 56 Resp: 12914
Ion Ratio Lower Upper
56 100
69 32.5 23.9 35.9
84 83.2 69.5 104.3

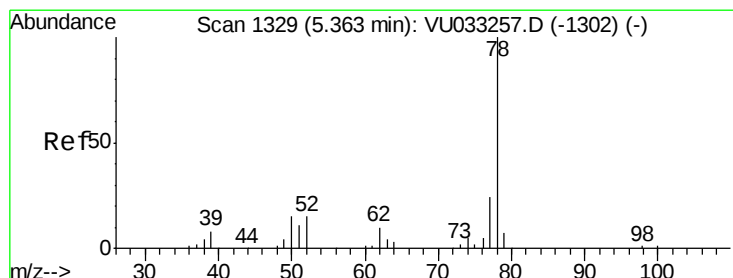
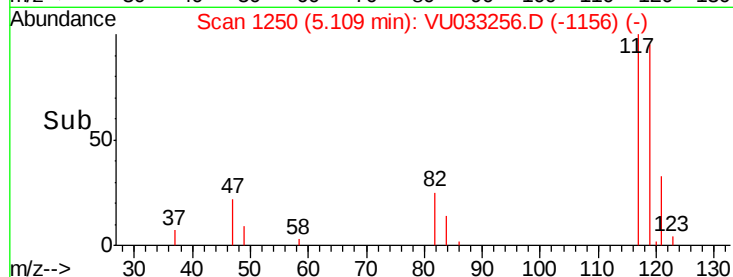
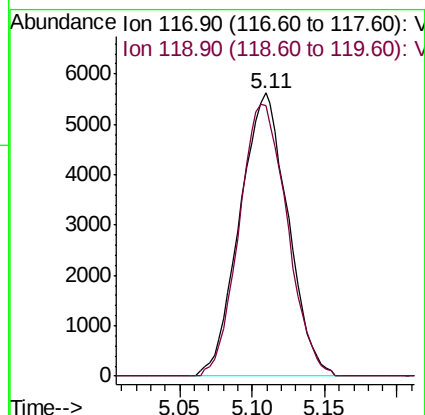
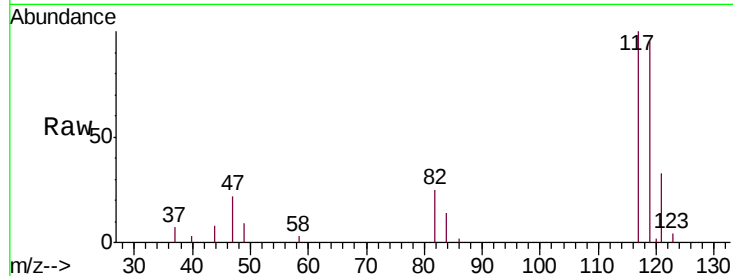




#31
Carbon tetrachloride
Concen: 0.856 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU033256.D
Acq: 16 Jul 2019 09:25

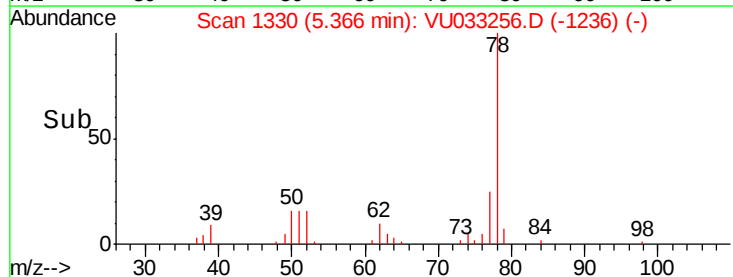
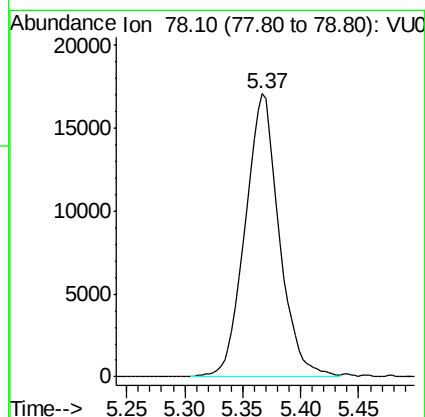
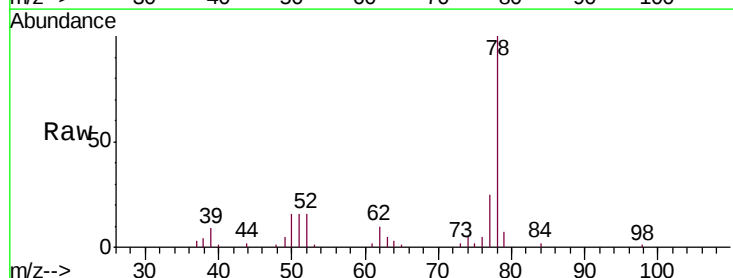
Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

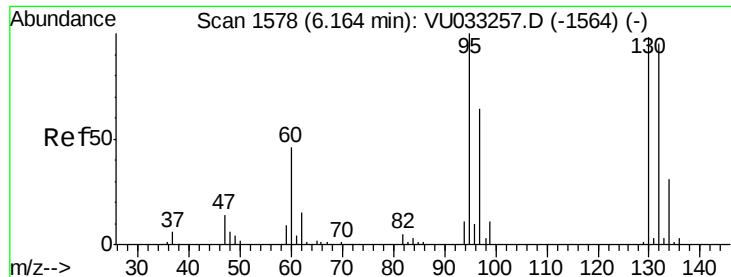
Tgt Ion:117 Resp: 12979
Ion Ratio Lower Upper
117 100
119 95.7 77.5 116.3



#33
Benzene
Concen: 0.894 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU033256.D
Acq: 16 Jul 2019 09:25

Tgt Ion: 78 Resp: 35090





#34

Trichloroethene

Concen: 0.908 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033256.D

Acq: 16 Jul 2019 09:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

Tgt Ion: 95 Resp: 9627

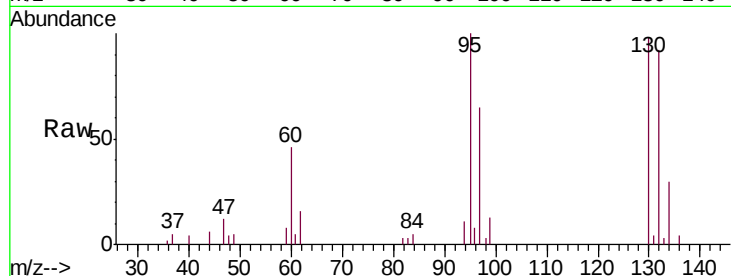
Ion Ratio Lower Upper

95 100

97 64.5 44.5 82.7

132 92.3 66.6 123.8

130 98.1 68.9 127.9

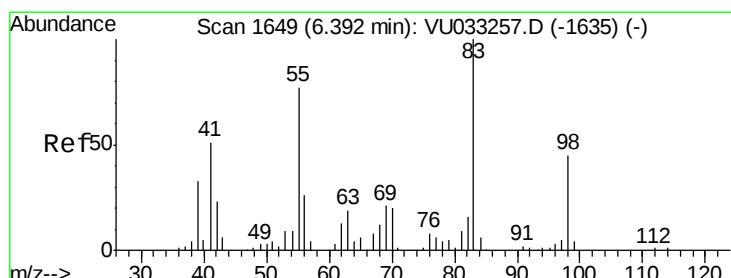
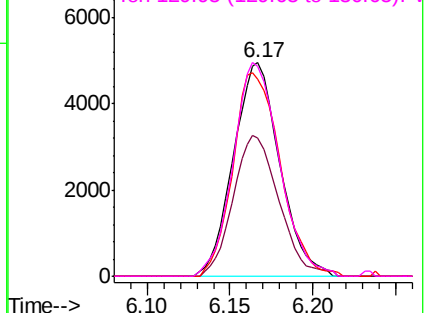
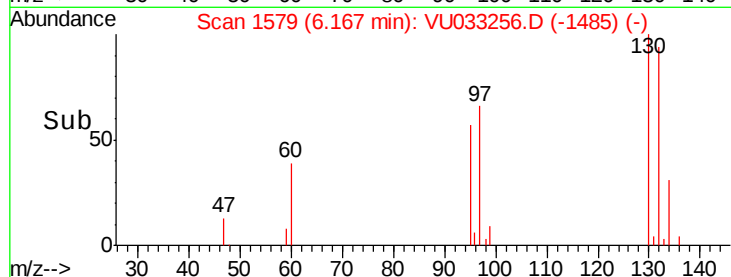


Abundance Ion 95.00 (94.70 to 95.70): VU033256.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VU033256.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VU033256.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VU033256.D (-1485) (-)



#35

Methylcyclohexane

Concen: 0.847 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU033256.D

Acq: 16 Jul 2019 09:25

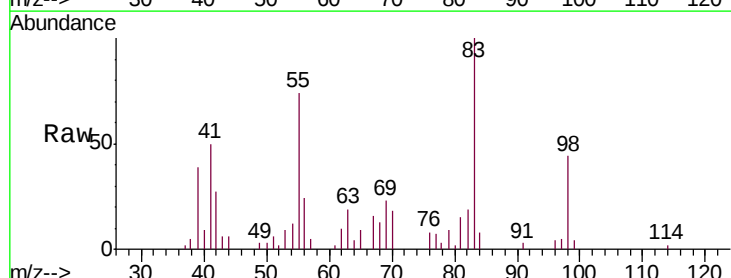
Tgt Ion: 83 Resp: 13406

Ion Ratio Lower Upper

83 100

55 76.0 62.6 94.0

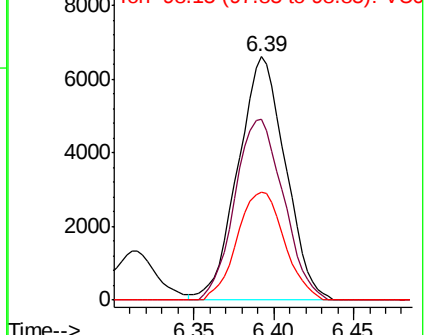
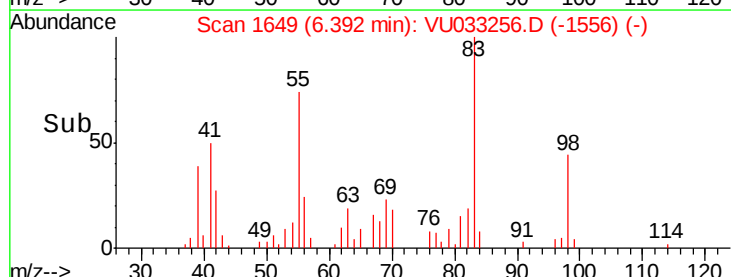
98 44.0 36.2 54.2

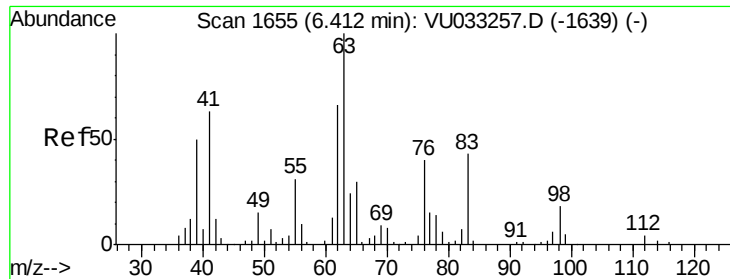


Abundance Ion 83.15 (82.85 to 83.85): VU033256.D (-1556) (-)

Ion 55.10 (54.80 to 55.80): VU033256.D (-1556) (-)

Ion 98.15 (97.85 to 98.85): VU033256.D (-1556) (-)

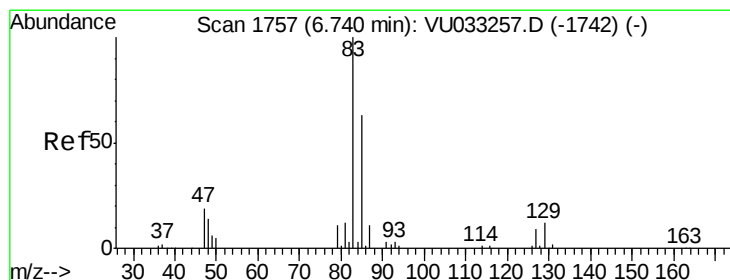
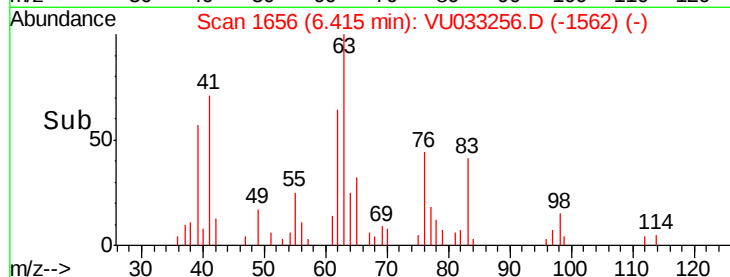
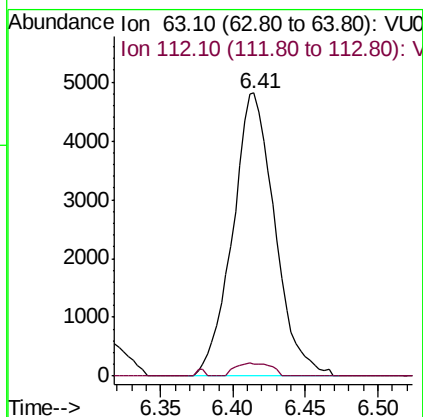
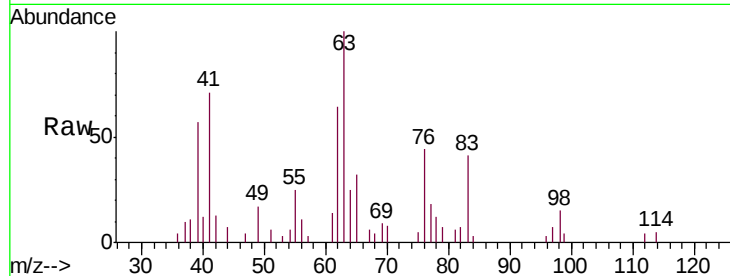




#37
 1,2-Dichloropropane
 Concen: 0.905 ug/L
 RT: 6.41 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: VU033256.D
 Acq: 16 Jul 2019 09:25

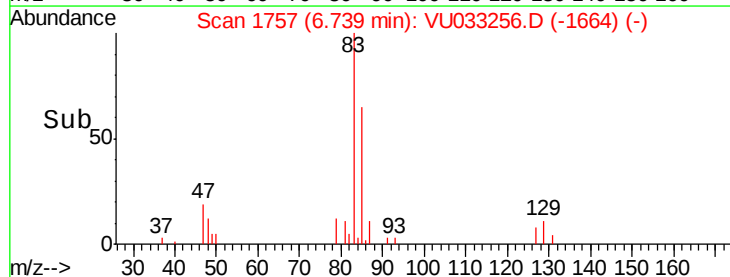
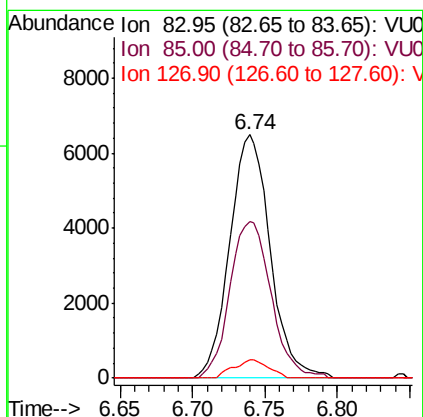
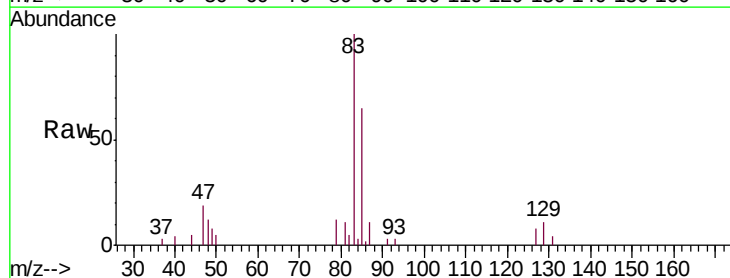
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

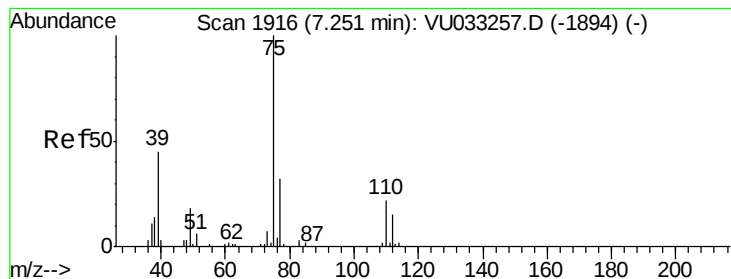
Tgt Ion: 63 Resp: 9729
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#38
 Bromodichloromethane
 Concen: 0.900 ug/L
 RT: 6.74 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VU033256.D
 Acq: 16 Jul 2019 09:25

Tgt Ion: 83 Resp: 12578
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.0 81.8
 127 7.7 7.0 10.4



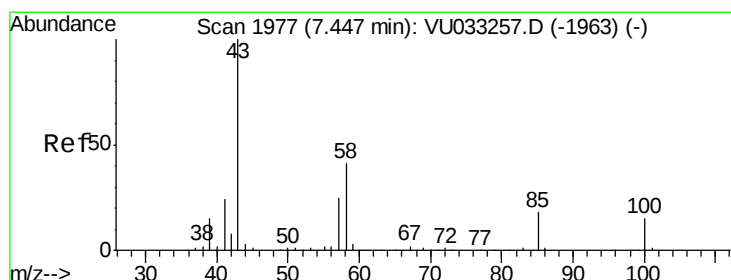
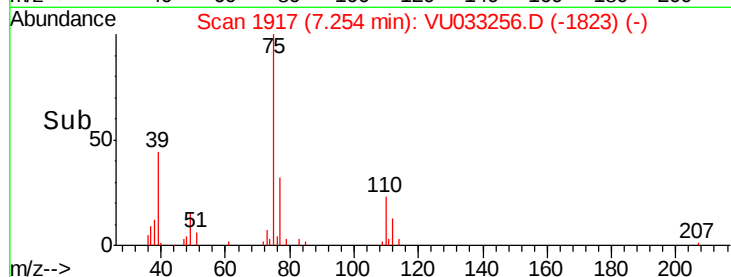
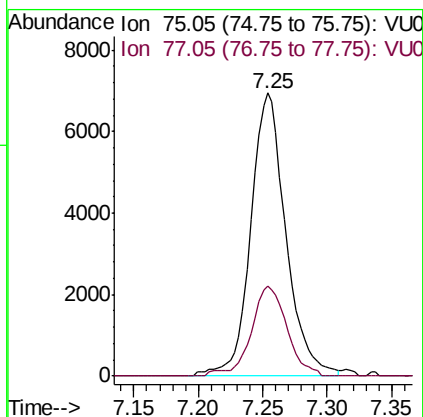
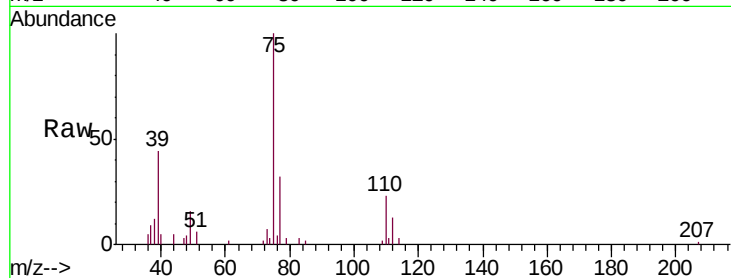


#39

cis-1,3-Dichloropropene
 Concen: 0.874 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033256.D
 Acq: 16 Jul 2019 09:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

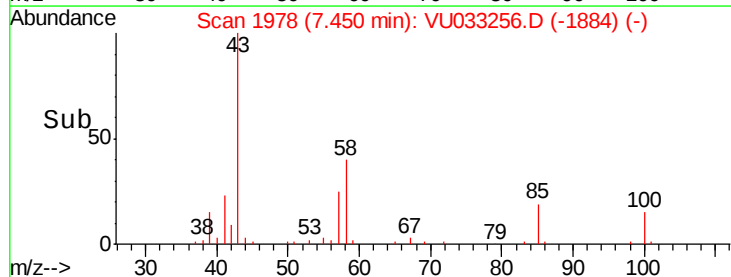
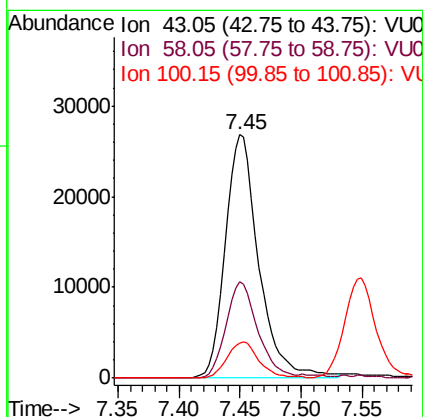
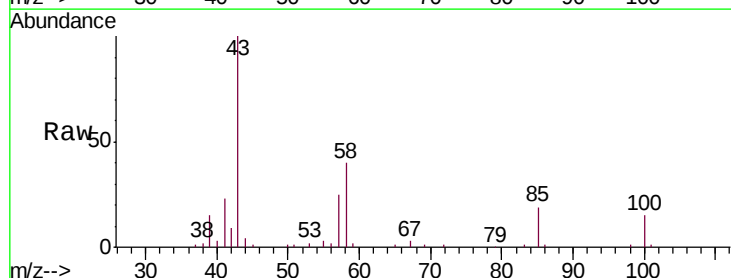
Tgt Ion: 75 Resp: 13245
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.1 41.1

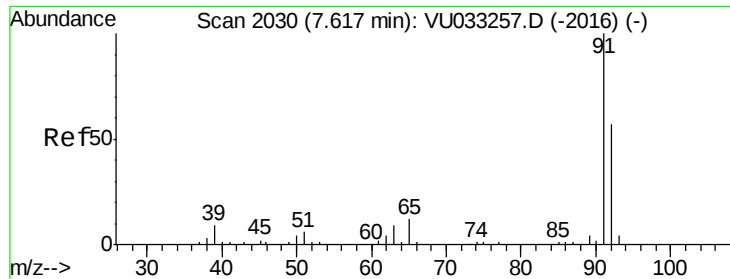


#40

4-Methyl-2-pentanone
 Concen: 7.112 ug/L
 RT: 7.45 min Scan# 1978
 Delta R.T. 0.00 min
 Lab File: VU033256.D
 Acq: 16 Jul 2019 09:25

Tgt Ion: 43 Resp: 51403
 Ion Ratio Lower Upper
 43 100
 58 38.7 32.4 48.6
 100 14.4 11.9 17.9





#42

Toluene

Concen: 0.877 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033256.D

Acq: 16 Jul 2019 09:25

Instrument :

MSVOA_U

ClientSampleId :

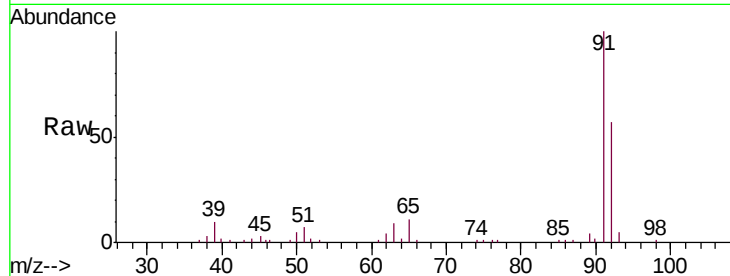
VSTD00104

Tgt Ion: 91 Resp: 37067

Ion Ratio Lower Upper

91 100

92 57.1 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU033257.D (-2016) (-)

Ion 92.15 (91.85 to 92.85): VU033257.D (-2016) (-)

7.62

20000

15000

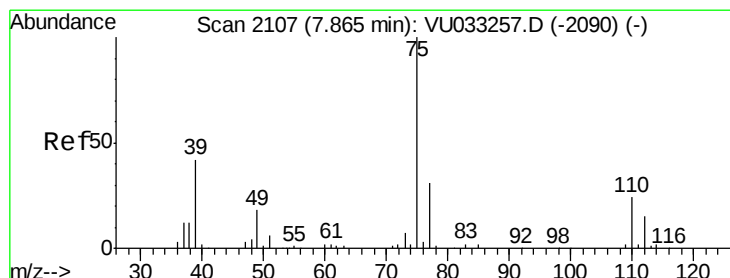
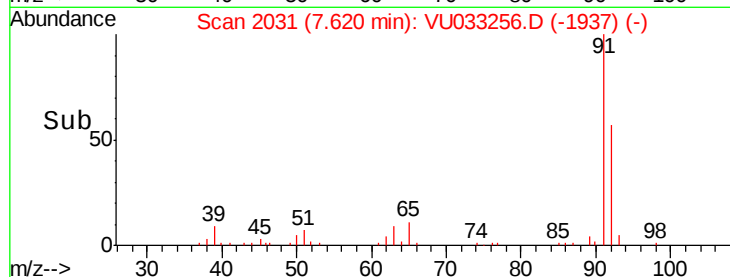
10000

5000

0

7.55 7.60 7.65 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.845 ug/L

RT: 7.87 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VU033256.D

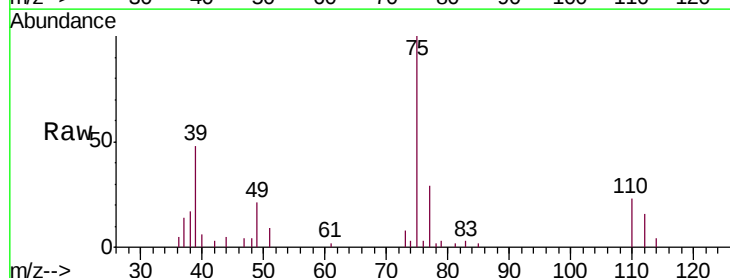
Acq: 16 Jul 2019 09:25

Tgt Ion: 75 Resp: 10674

Ion Ratio Lower Upper

75 100

77 28.5 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU033257.D (-2090) (-)

Ion 77.05 (76.75 to 77.75): VU033257.D (-2090) (-)

7.87

6000

5000

4000

3000

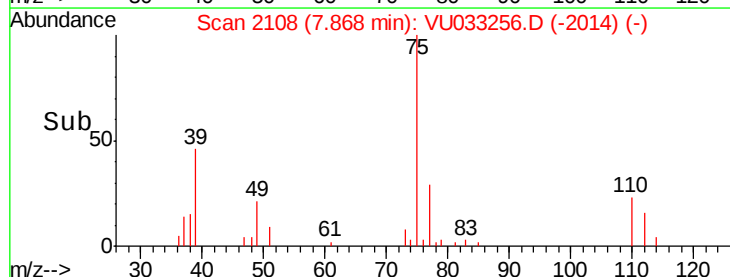
2000

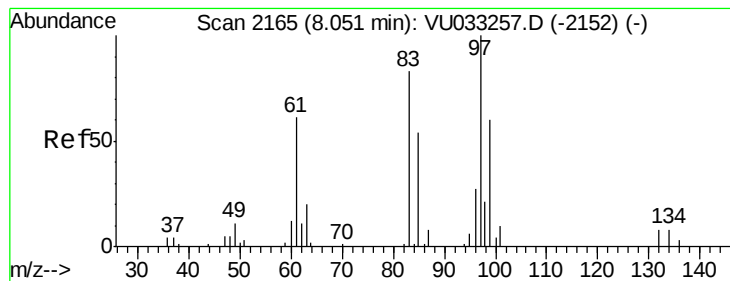
1000

0

7.80 7.85 7.90 7.95

Time-->





#45

1,1,2-Trichloroethane

Concen: 0.952 ug/L

RT: 8.05 min Scan# 2166

Delta R.T. 0.00 min

Lab File: VU033256.D

Acq: 16 Jul 2019 09:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

Tgt Ion: 97 Resp: 7186

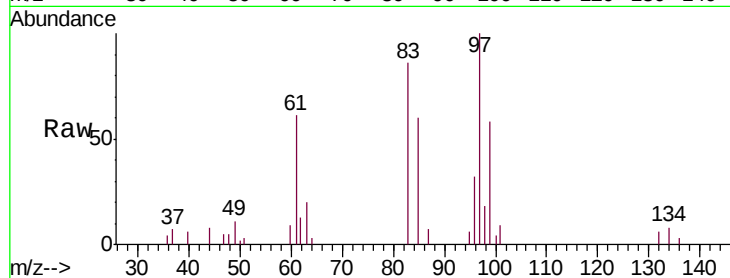
Ion Ratio Lower Upper

97 100

99 57.8 42.3 78.5

83 85.6 58.0 107.6

85 59.7 37.8 70.2

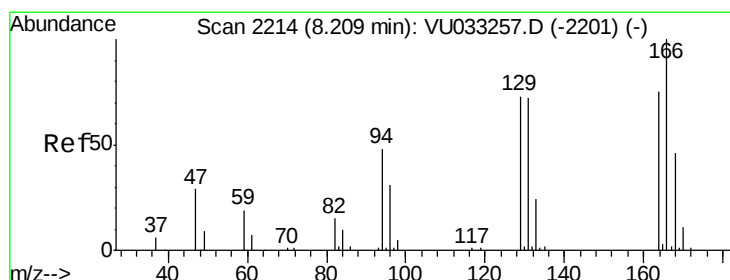
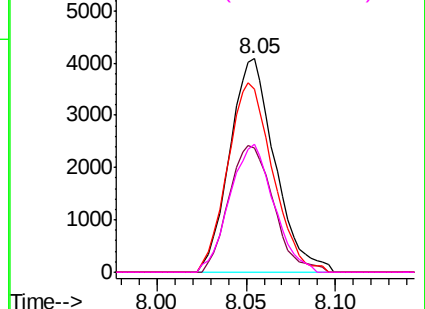
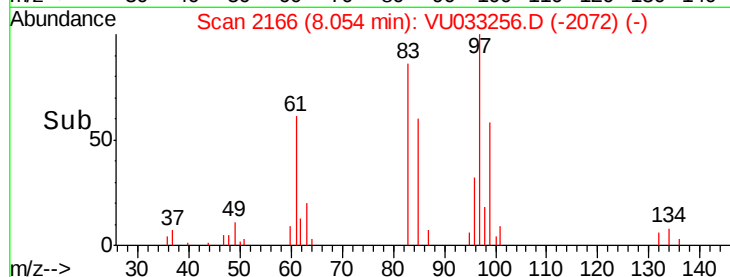


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 0.870 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VU033256.D

Acq: 16 Jul 2019 09:25

Tgt Ion: 164 Resp: 7593

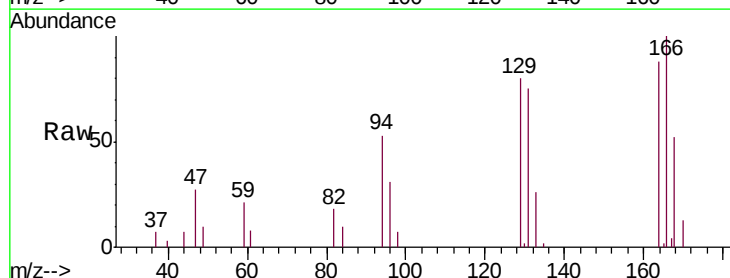
Ion Ratio Lower Upper

164 100

129 91.1 68.5 127.1

131 85.7 67.3 124.9

166 113.8 93.1 172.9

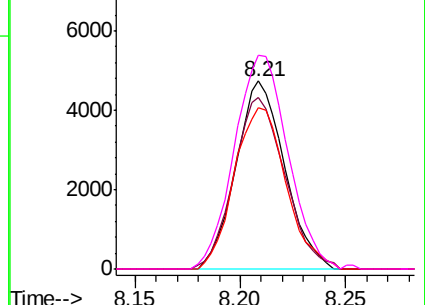
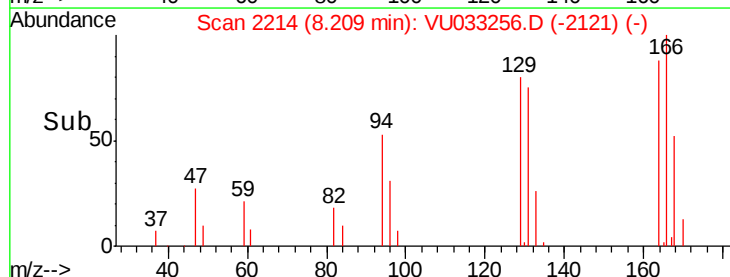


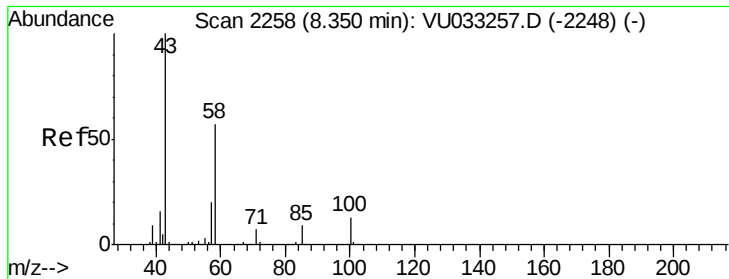
Abundance Ion 163.90 (163.60 to 164.60): V

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

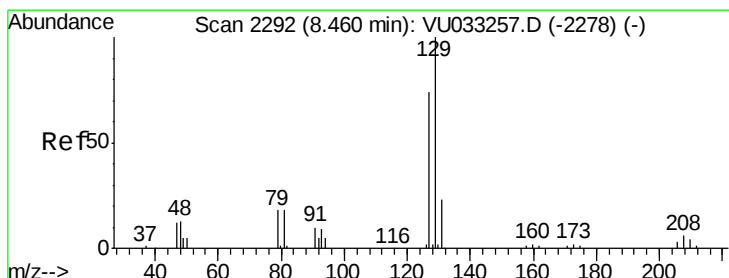
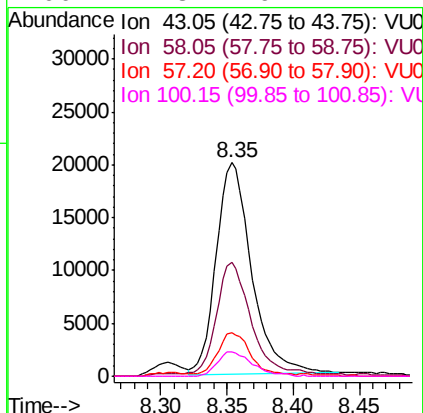
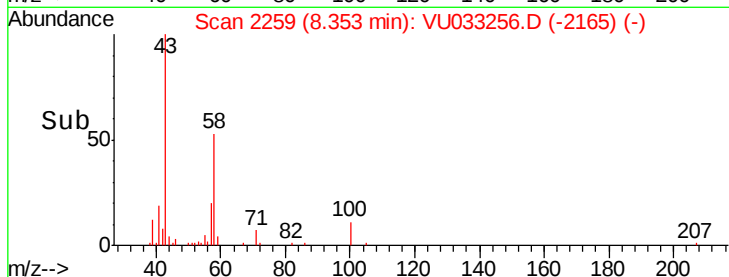
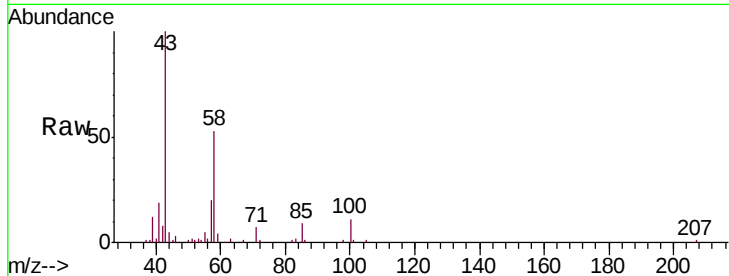




#48
2-Hexanone
Concen: 7.083 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. 0.00 min
Lab File: VU033256.D
Acq: 16 Jul 2019 09:25

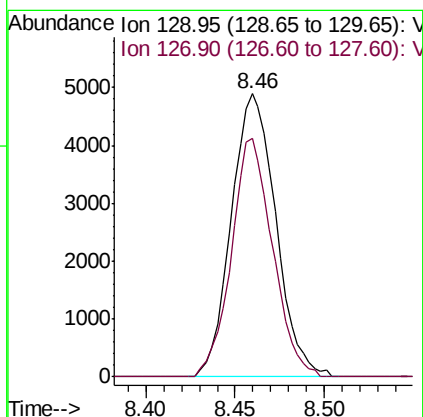
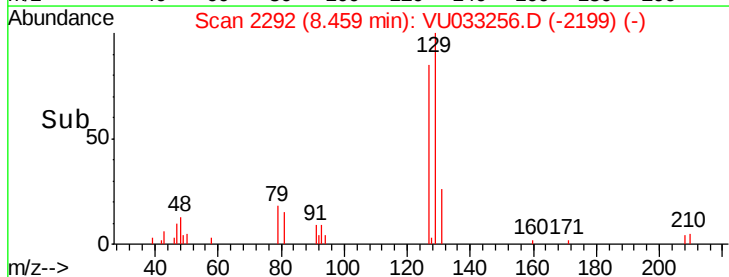
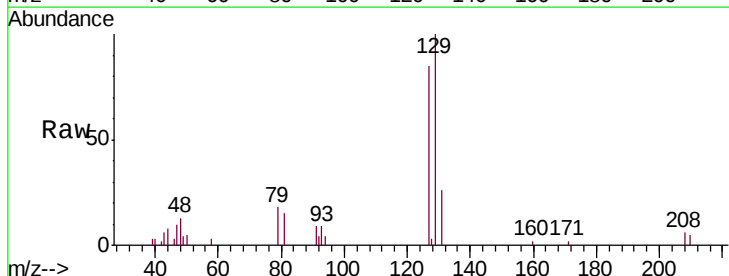
Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

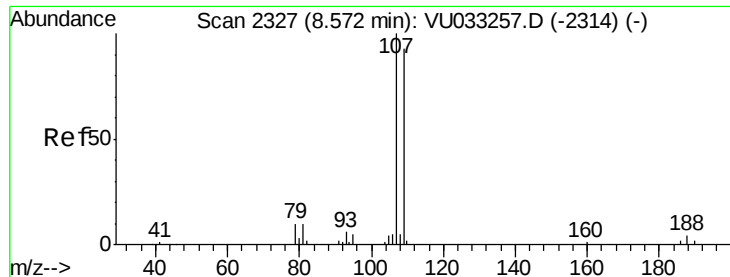
Tgt Ion: 43 Resp: 37333
Ion Ratio Lower Upper
43 100
58 51.6 44.1 66.1
57 18.0 15.8 23.8
100 11.3 9.4 14.2



#49
Dibromochloromethane
Concen: 0.896 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU033256.D
Acq: 16 Jul 2019 09:25

Tgt Ion: 129 Resp: 8488
Ion Ratio Lower Upper
129 100
127 84.5 51.9 96.5

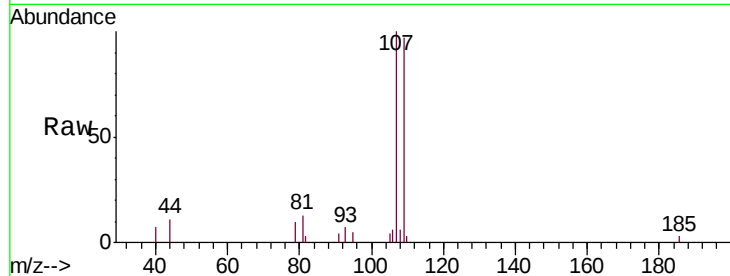




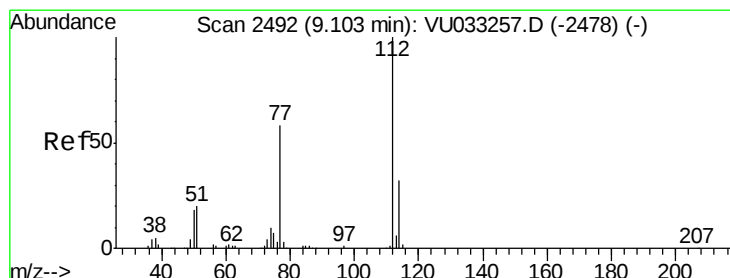
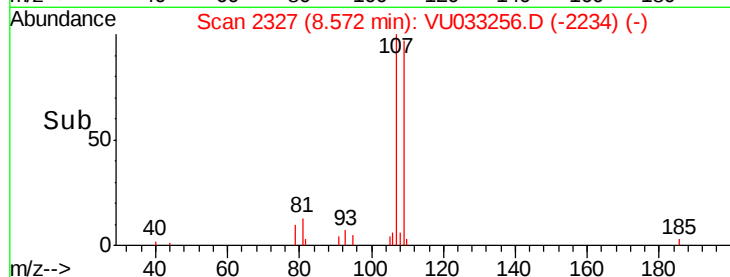
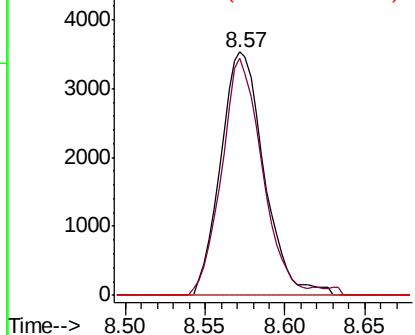
#50
1,2-Dibromoethane
Concen: 0.901 ug/L
RT: 8.57 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VU033256.D
Acq: 16 Jul 2019 09:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

Tgt Ion:107 Resp: 6529
Ion Ratio Lower Upper
107 100
109 97.2 64.8 120.4
188 0.0 3.0 4.6#

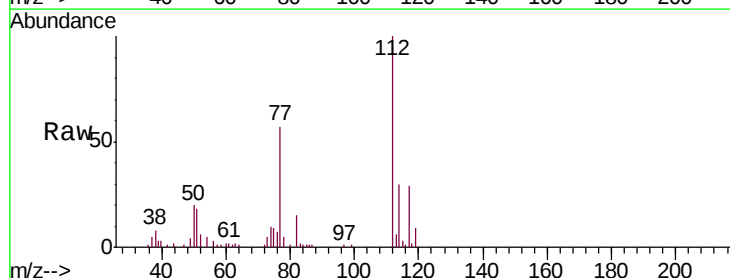


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

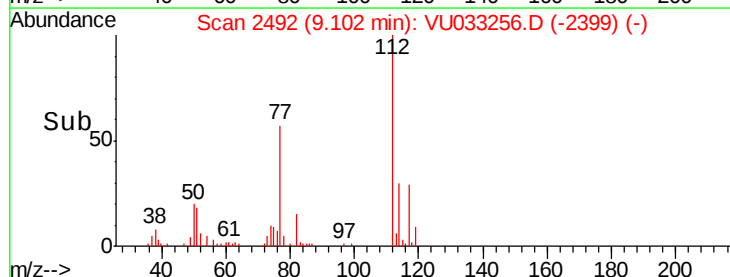
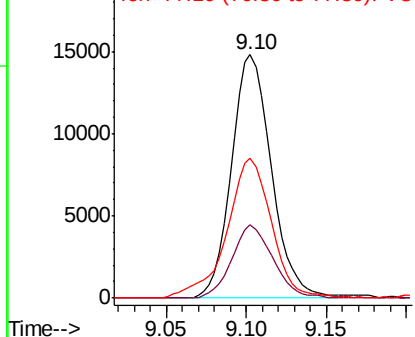


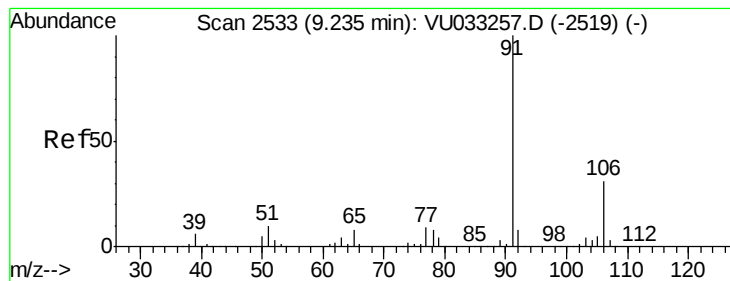
#51
Chlorobenzene
Concen: 0.905 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. -0.00 min
Lab File: VU033256.D
Acq: 16 Jul 2019 09:25

Tgt Ion:112 Resp: 25225
Ion Ratio Lower Upper
112 100
114 30.1 22.1 41.1
77 57.2 46.9 70.3



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





#52

Ethylbenzene

Concen: 0.809 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. -0.00 min

Lab File: VU033256.D

Acq: 16 Jul 2019 09:25

Instrument :

MSVOA_U

ClientSampleId :

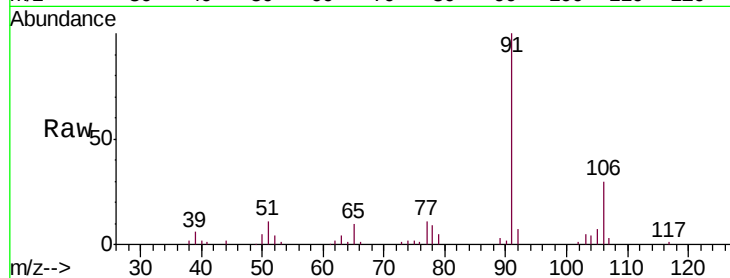
VSTD00104

Tgt Ion: 91 Resp: 37360

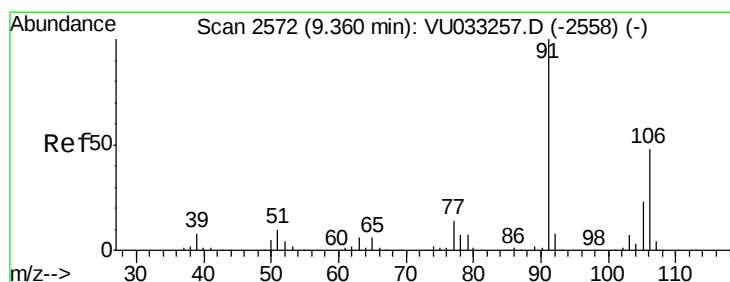
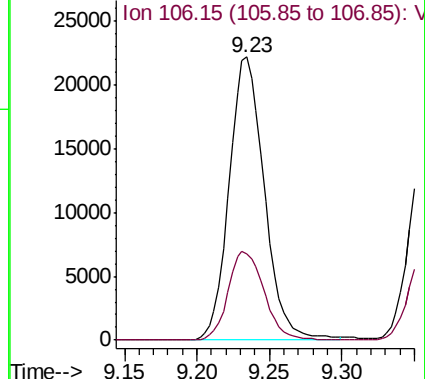
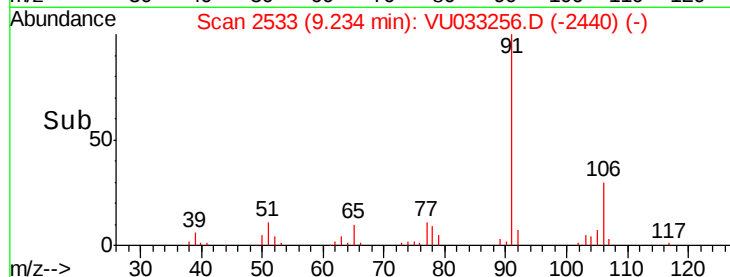
Ion Ratio Lower Upper

91 100

106 30.4 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VU033256.D (-2440) (-)



#53

m,p-Xylene

Concen: 0.807 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. -0.00 min

Lab File: VU033256.D

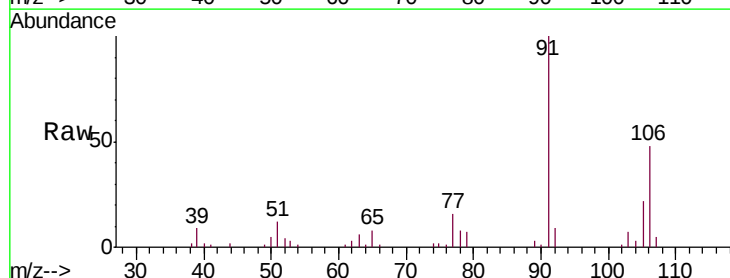
Acq: 16 Jul 2019 09:25

Tgt Ion: 106 Resp: 13716

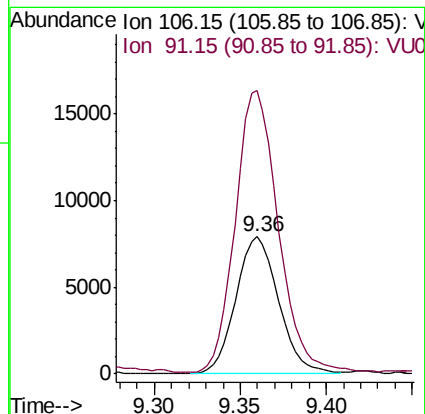
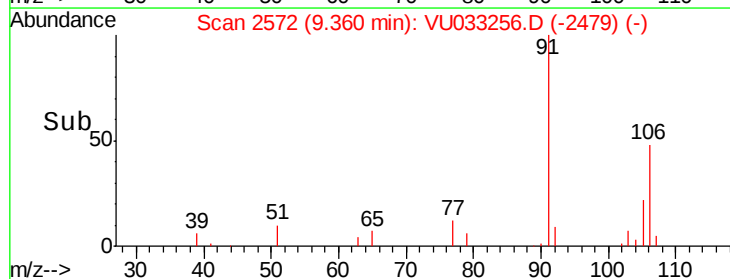
Ion Ratio Lower Upper

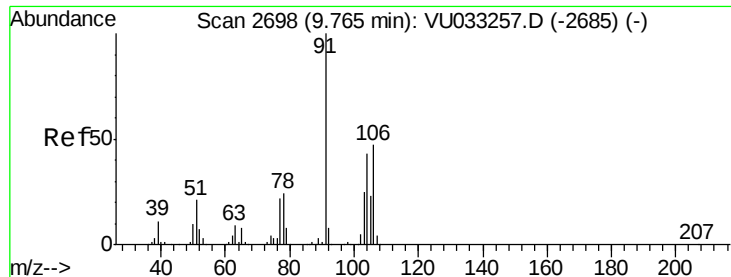
106 100

91 206.4 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): VU033256.D (-2479) (-)

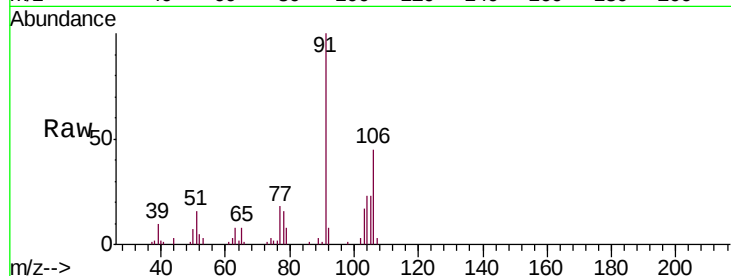




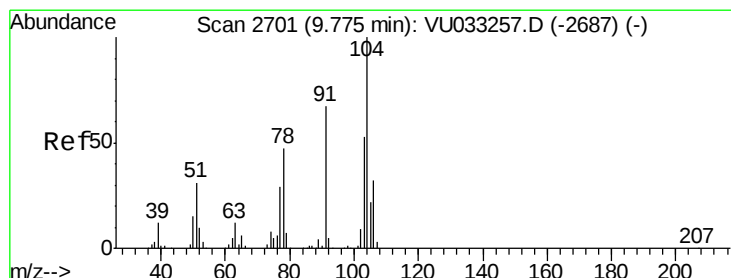
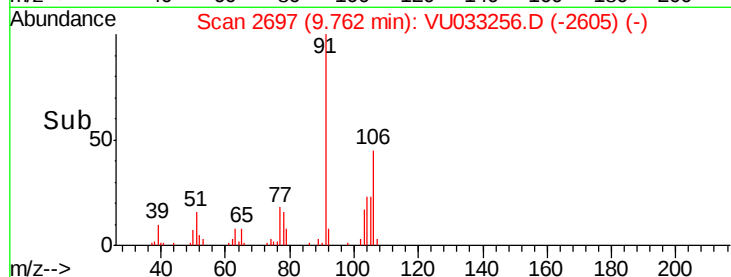
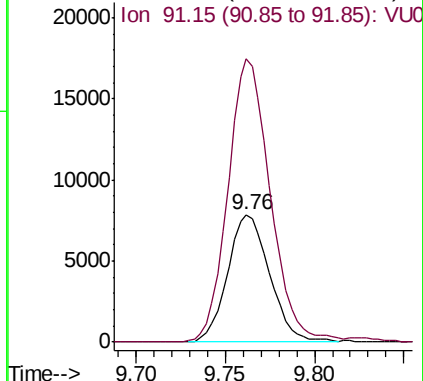
#54
o-Xylene
Concen: 0.779 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. -0.00 min
Lab File: VU033256.D
Acq: 16 Jul 2019 09:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

Tgt Ion:106 Resp: 12875
Ion Ratio Lower Upper
106 100
91 221.9 148.5 275.7

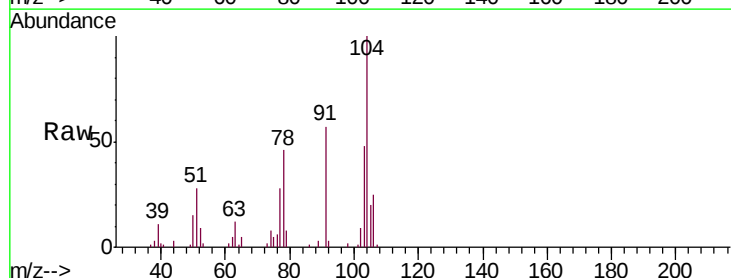


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU

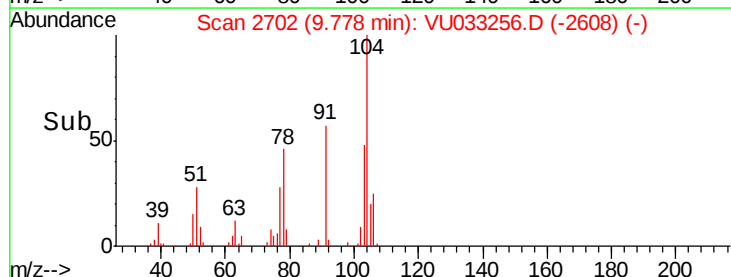
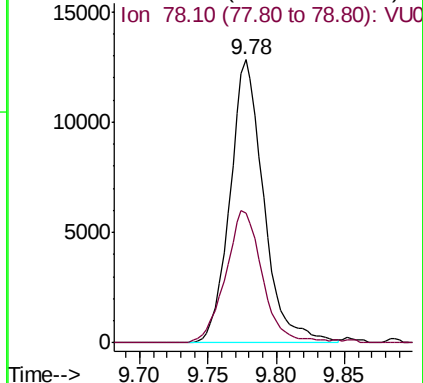


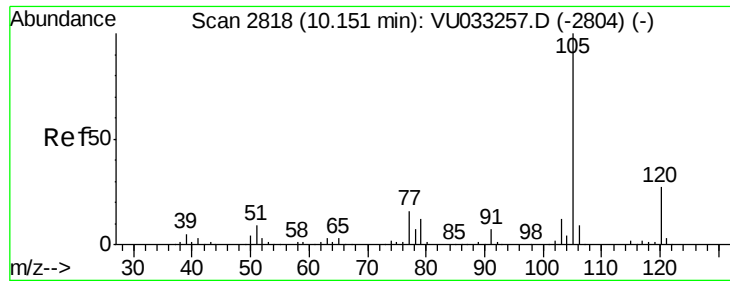
#55
Styrene
Concen: 0.787 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU033256.D
Acq: 16 Jul 2019 09:25

Tgt Ion:104 Resp: 22076
Ion Ratio Lower Upper
104 100
78 45.9 32.8 60.8



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





#56

Isopropylbenzene

Concen: 0.791 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033256.D

Acq: 16 Jul 2019 09:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

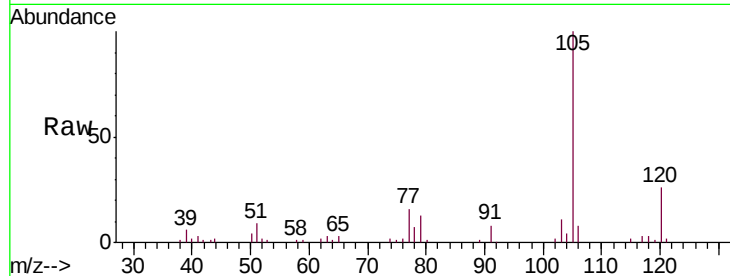
Tgt Ion: 105 Resp: 34932

Ion Ratio Lower Upper

105 100

120 25.8 21.3 31.9

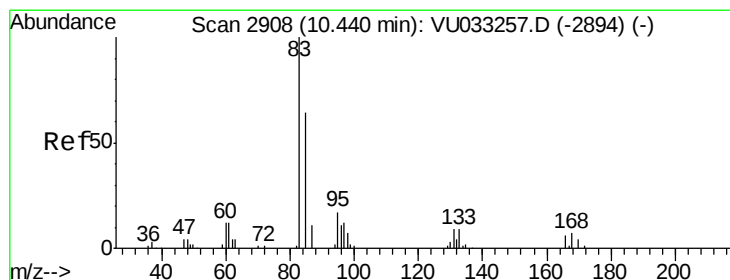
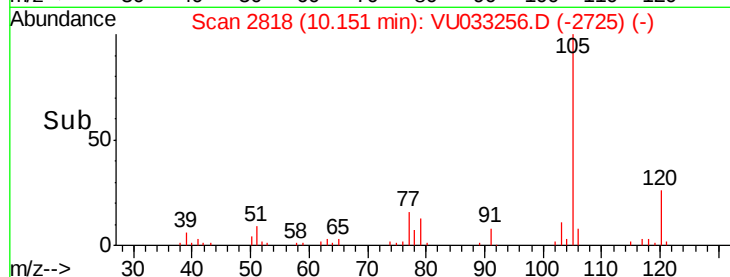
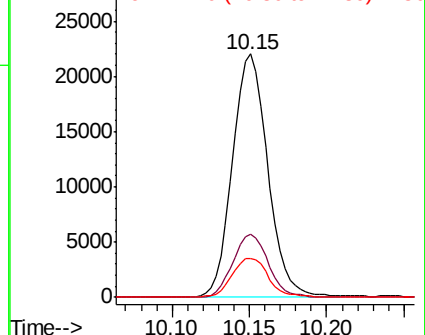
77 16.7 13.0 19.4



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: 0.916 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033256.D

Acq: 16 Jul 2019 09:25

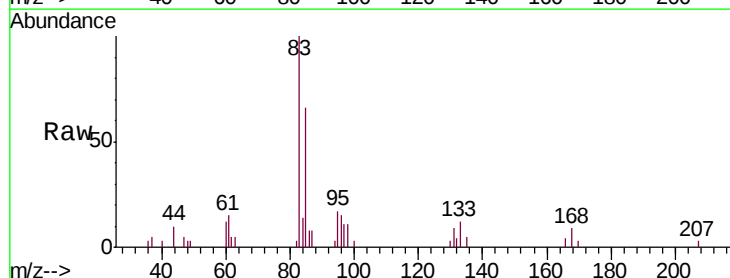
Tgt Ion: 83 Resp: 8867

Ion Ratio Lower Upper

83 100

85 66.1 44.6 82.8

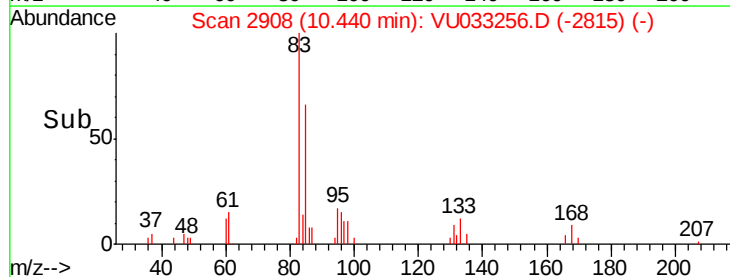
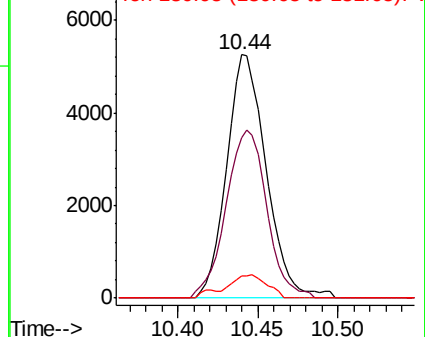
131 8.9 7.4 11.2

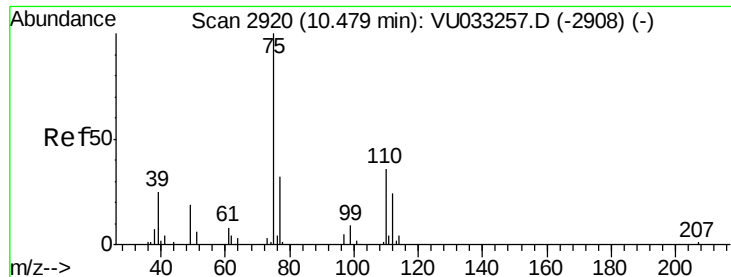


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

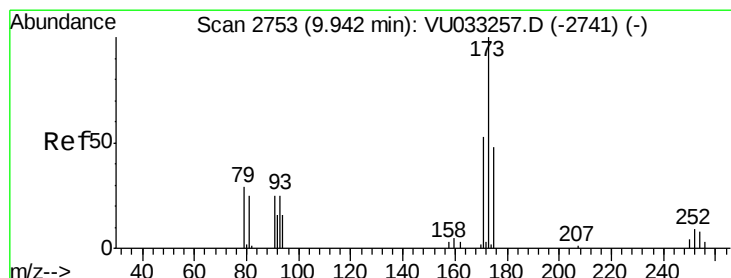
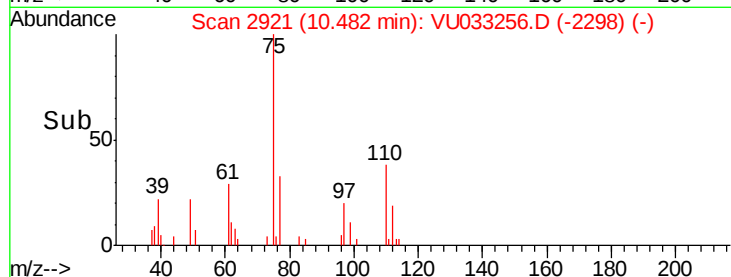
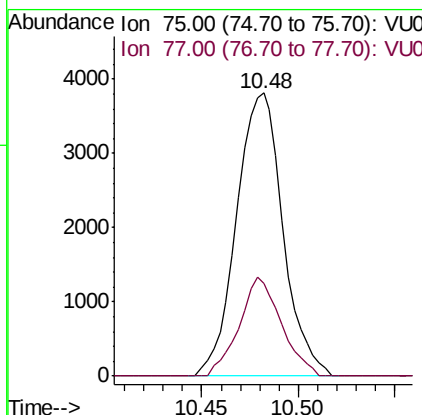
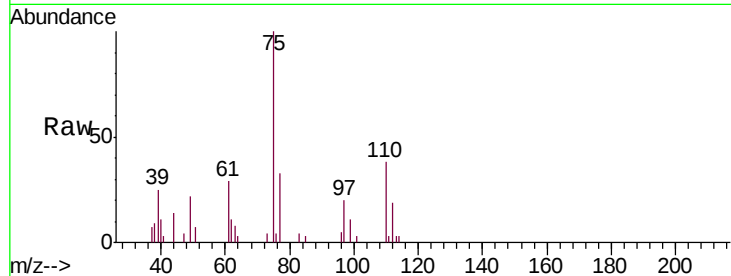




#59
 1,2,3-Trichloropropane
 Concen: 0.871 ug/L
 RT: 10.48 min Scan# 2921
 Delta R.T. 0.00 min
 Lab File: VU033256.D
 Acq: 16 Jul 2019 09:25

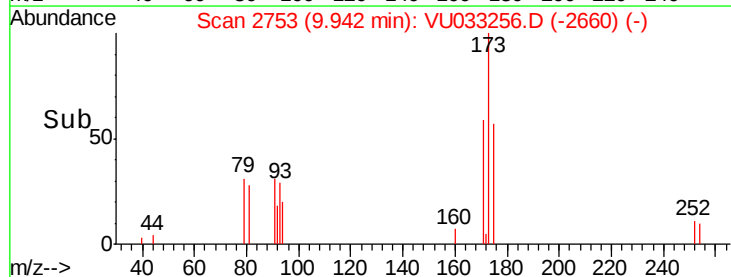
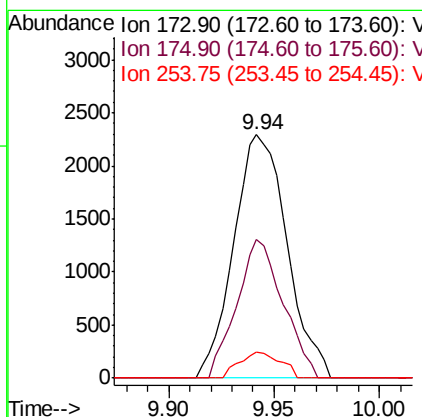
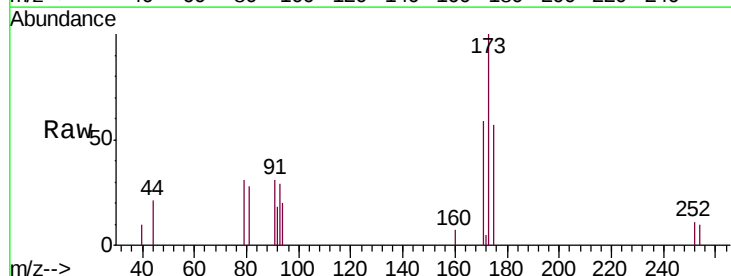
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

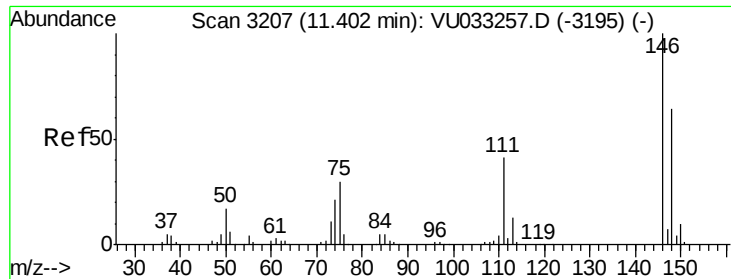
Tgt Ion: 75 Resp: 6367
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.5 39.7



#61
 Bromoform
 Concen: 0.844 ug/L
 RT: 9.94 min Scan# 2753
 Delta R.T. -0.00 min
 Lab File: VU033256.D
 Acq: 16 Jul 2019 09:25

Tgt Ion: 173 Resp: 4031
 Ion Ratio Lower Upper
 173 100
 175 49.1 37.2 55.8
 254 8.2 6.6 9.8





#62

1,3-Dichlorobenzene

Concen: 0.909 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU033256.D

Acq: 16 Jul 2019 09:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

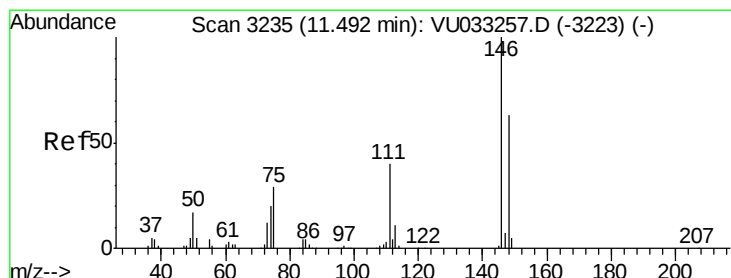
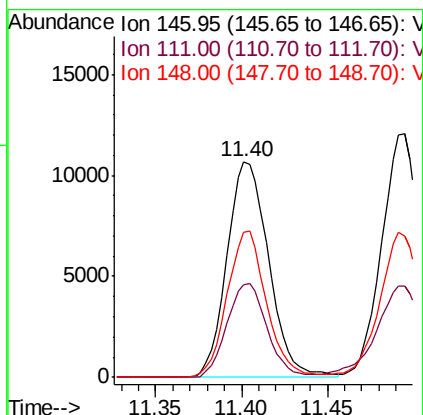
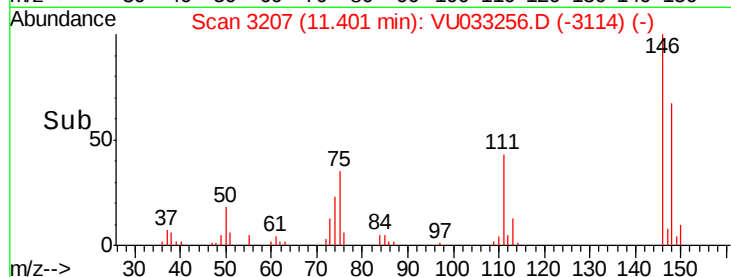
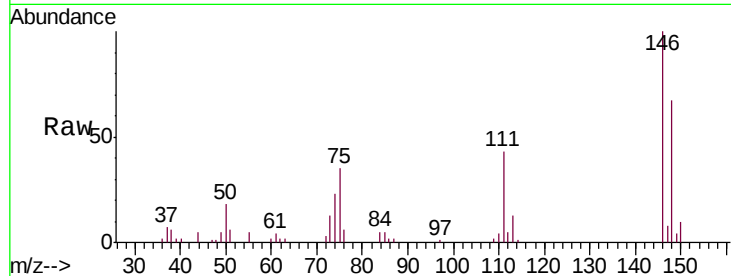
Tgt Ion:146 Resp: 18030

Ion Ratio Lower Upper

146 100

111 42.9 28.6 53.2

148 67.3 45.0 83.6



#63

1,4-Dichlorobenzene

Concen: 0.959 ug/L

RT: 11.49 min Scan# 3236

Delta R.T. 0.00 min

Lab File: VU033256.D

Acq: 16 Jul 2019 09:25

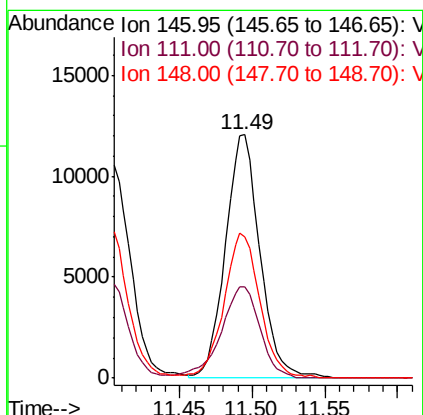
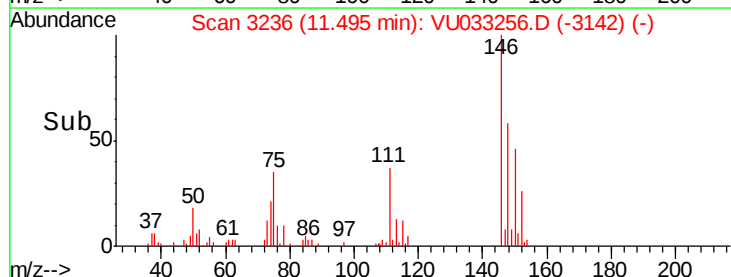
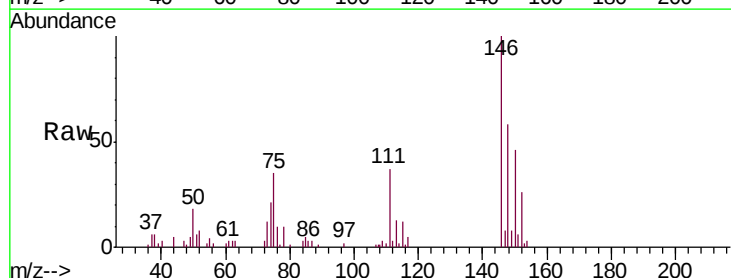
Tgt Ion:146 Resp: 19874

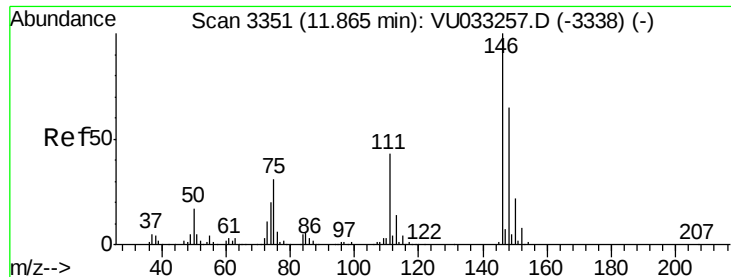
Ion Ratio Lower Upper

146 100

111 37.3 27.9 51.7

148 58.2 44.1 81.9





#65

1,2-Dichlorobenzene

Concen: 0.953 ug/L

RT: 11.86 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VU033256.D

Acq: 16 Jul 2019 09:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

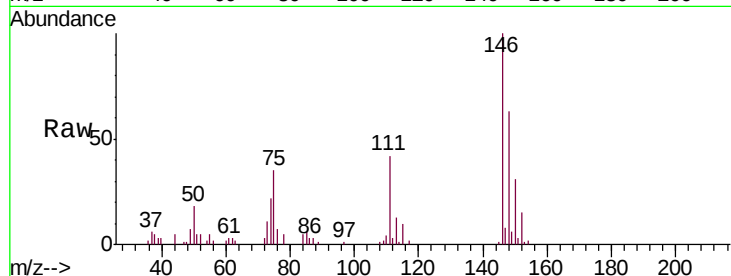
Tgt Ion:146 Resp: 18505

Ion Ratio Lower Upper

146 100

111 41.8 34.2 51.4

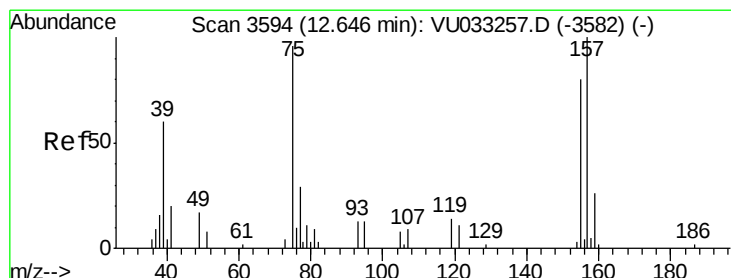
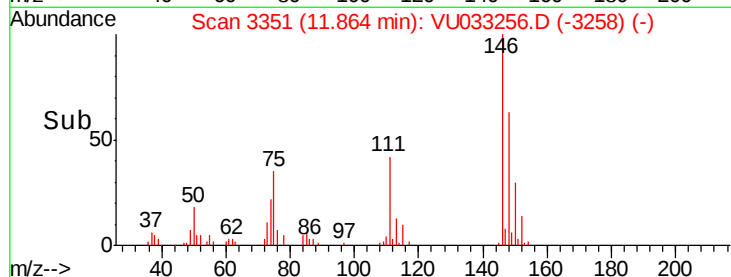
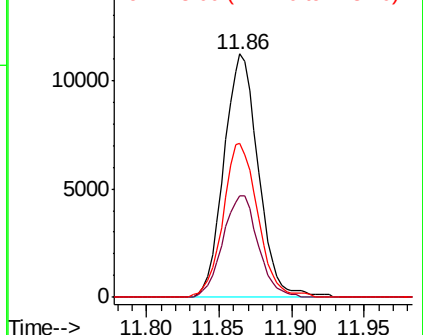
148 63.2 52.0 78.0



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: 1.091 ug/L

RT: 12.65 min Scan# 3594

Delta R.T. -0.00 min

Lab File: VU033256.D

Acq: 16 Jul 2019 09:25

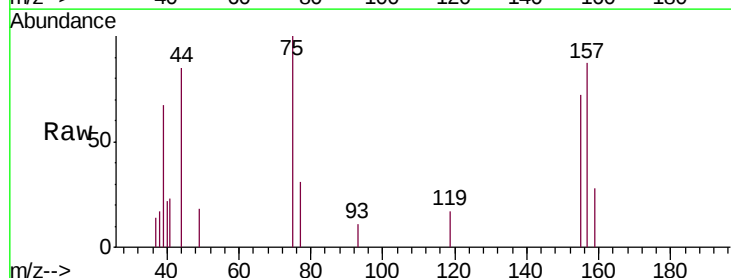
Tgt Ion: 75 Resp: 1488

Ion Ratio Lower Upper

75 100

155 72.5 67.1 100.7

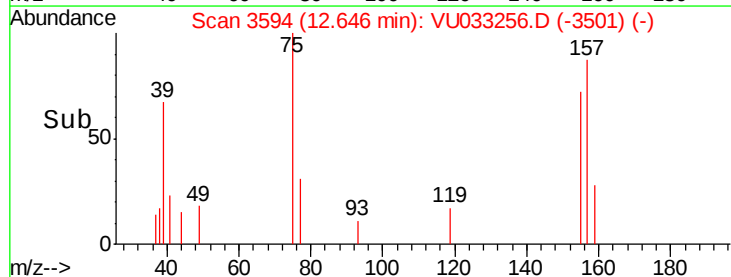
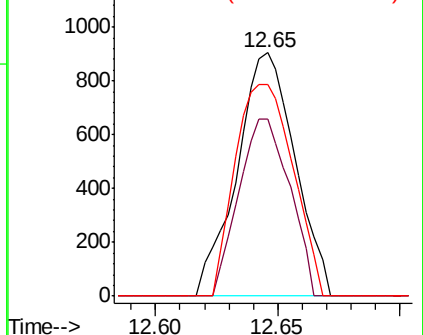
157 86.9 83.7 125.5

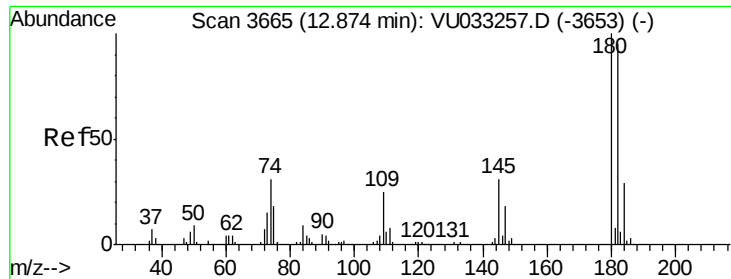


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

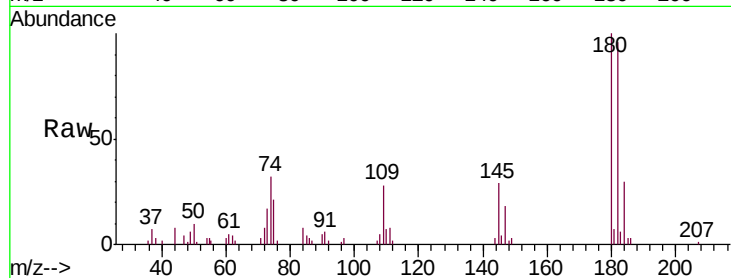




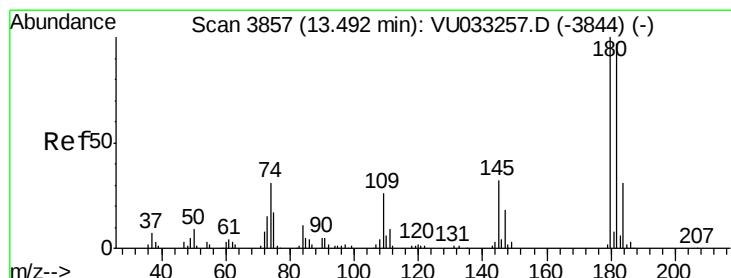
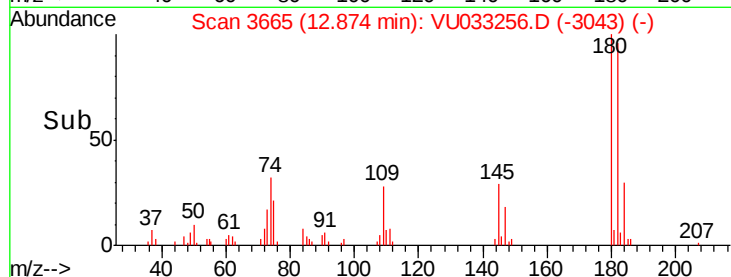
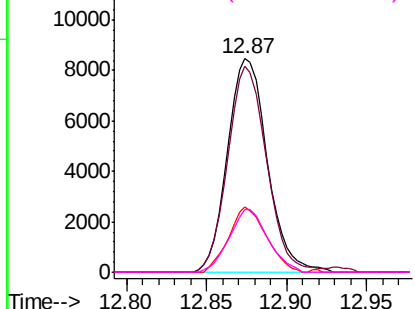
#67
 1,3,5-Trichlorobenzene
 Concen: 0.929 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. -0.00 min
 Lab File: VU033256.D
 Acq: 16 Jul 2019 09:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

Tgt Ion:180 Resp: 14394
 Ion Ratio Lower Upper
 180 100
 182 93.8 76.0 114.0
 184 28.8 24.2 36.2
 145 28.5 24.6 37.0

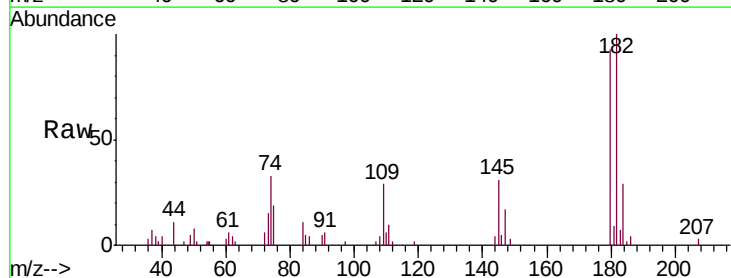


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

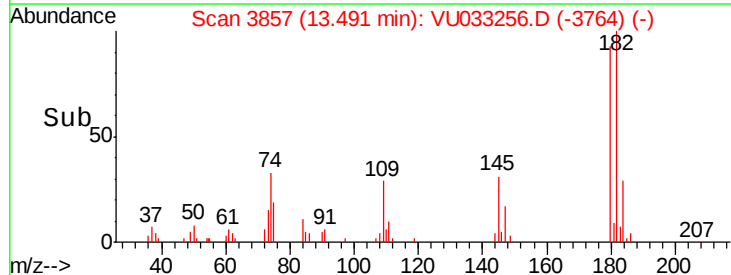
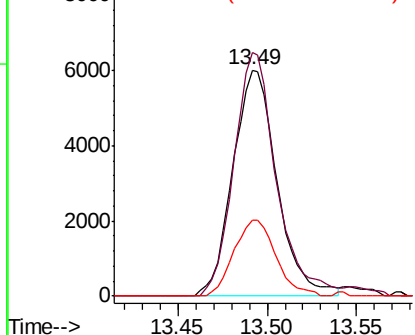


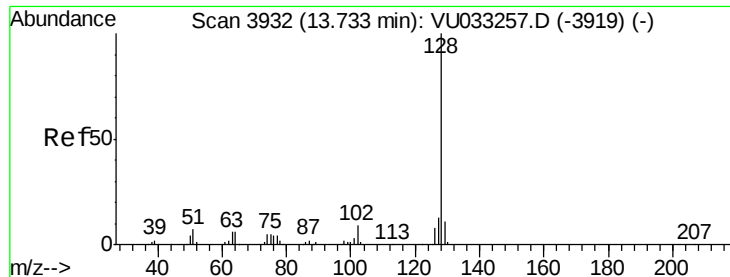
#68
 1,2,4-trichlorobenzene
 Concen: 0.921 ug/L
 RT: 13.49 min Scan# 3857
 Delta R.T. -0.00 min
 Lab File: VU033256.D
 Acq: 16 Jul 2019 09:25

Tgt Ion:180 Resp: 10406
 Ion Ratio Lower Upper
 180 100
 182 103.2 77.3 115.9
 145 31.9 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: 0.963 ug/L

RT: 13.73 min Scan# 3932

Delta R.T. -0.00 min

Lab File: VU033256.D

Acq: 16 Jul 2019 09:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

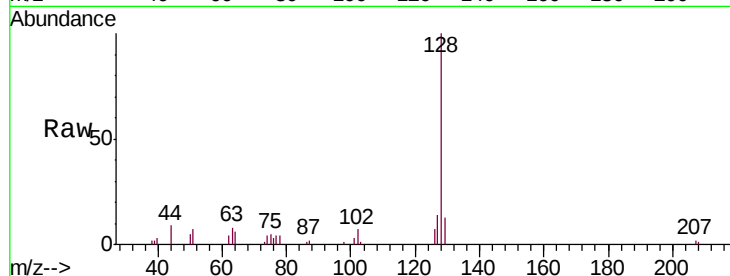
Tgt Ion:128 Resp: 16635

Ion Ratio Lower Upper

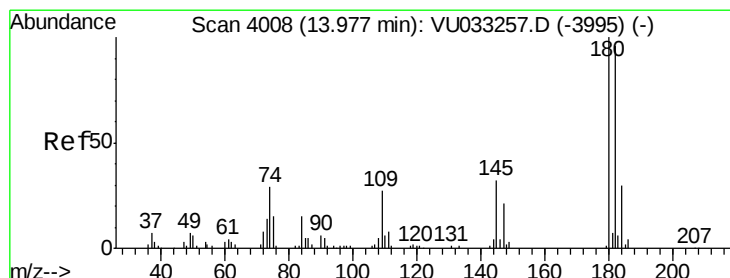
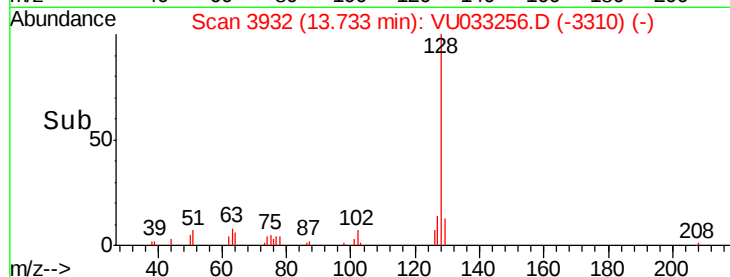
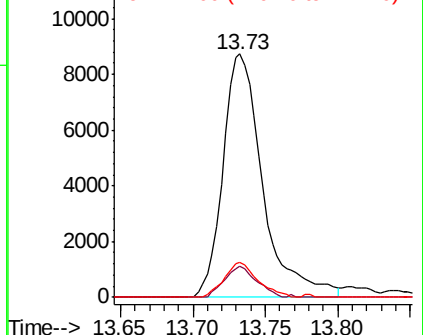
128 100

129 10.1 8.7 13.1

127 12.0 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: 0.915 ug/L

RT: 13.98 min Scan# 4008

Delta R.T. -0.00 min

Lab File: VU033256.D

Acq: 16 Jul 2019 09:25

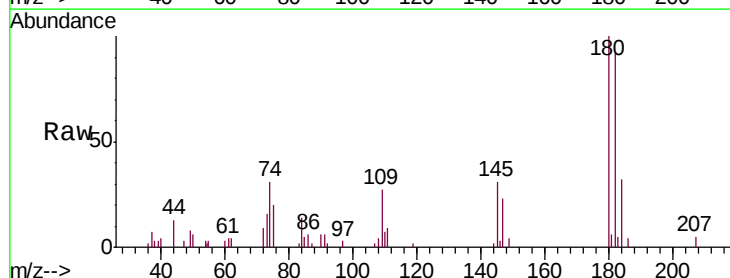
Tgt Ion:180 Resp: 9870

Ion Ratio Lower Upper

180 100

182 91.5 77.0 115.4

145 31.9 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

