

Data File : VU033275.D
Acq On : 16 Jul 2019 20:15
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Quant Time: Jul 17 04:50:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 17 04:42:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	126206	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	135477	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	65506	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	56179	4.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.40%
7) Chloroethane-d5	1.67	69	49718	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.80%
11) 1,1-Dichloroethene-d2	2.26	63	118599	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.60%
20) 2-Butanone-d5	4.16	46	108816	45.43	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.86%
24) Chloroform-d	4.62	84	86218	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	5.29	65	49845	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.31	84	173336	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.31	67	55200	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	7.55	98	164141	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	7.83	79	22374	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
46) 2-Hexanone-d5	8.30	63	107446	54.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.74%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	52072	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	61934	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	56608	5.283	ug/L 96
3) Chloromethane	1.32	50	62219	4.919	ug/L 99
5) Vinyl chloride	1.40	62	71037	5.229	ug/L 99
6) Bromomethane	1.62	94	45252	5.254	ug/L 95
8) Chloroethane	1.69	64	45781	5.265	ug/L 98
9) Trichlorofluoromethane	1.87	101	101238	5.199	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	57168	5.316	ug/L 98
12) 1,1-Dichloroethene	2.27	96	53747	5.184	ug/L 97
13) Acetone	2.31	43	114757	54.724	ug/L 99
14) Carbon disulfide	2.46	76	172423	5.136	ug/L 100
15) Methyl Acetate	2.60	43	28270	5.398	ug/L 97
16) Methylene chloride	2.68	84	64960	5.138	ug/L 95
17) Methyl tert-butyl Ether	2.98	73	153952	5.669	ug/L 99
18) trans-1,2-Dichloroethene	2.96	96	59970	5.236	ug/L 100
19) 1,1-Dichloroethane	3.42	63	88976	5.170	ug/L 98
21) 2-Butanone	4.25	43	134993	56.011	ug/L 99
22) cis-1,2-Dichloroethene	4.20	96	51013	5.270	ug/L 96

Data File : VU033275.D
Acq On : 16 Jul 2019 20:15
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Quant Time: Jul 17 04:50:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 17 04:42:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	22944	5.381	ug/L	96
25) Chloroform	4.65	83	103653	5.438	ug/L	99
27) 1,2-Dichloroethane	5.38	62	62789	5.537	ug/L	98
29) 1,1,1-Trichloroethane	4.89	97	79141	5.057	ug/L	99
30) Cyclohexane	4.97	56	66655	4.743	ug/L	98
31) Carbon tetrachloride	5.11	117	68448	4.997	ug/L	100
33) Benzene	5.37	78	193147	5.034	ug/L	100
34) Trichloroethene	6.16	95	52939	5.215	ug/L	98
35) Methylcyclohexane	6.39	83	74253	4.854	ug/L	99
37) 1,2-Dichloropropane	6.41	63	52510	5.061	ug/L	100
38) Bromodichloromethane	6.74	83	67604	5.108	ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	72312	4.885	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	340804	57.325	ug/L	99
42) Toluene	7.62	91	214529	5.209	ug/L	97
44) trans-1,3-Dichloropropene	7.86	75	60762	5.077	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	39279	5.295	ug/L	95
47) Tetrachloroethene	8.21	164	39939	4.909	ug/L	98
48) 2-Hexanone	8.35	43	249126	57.292	ug/L	99
49) Dibromochloromethane	8.46	129	46599	5.216	ug/L	99
50) 1,2-Dibromoethane	8.57	107	38510	5.407	ug/L #	99
51) Chlorobenzene	9.10	112	134996	4.993	ug/L	100
52) Ethylbenzene	9.23	91	221560	5.039	ug/L	99
53) m,p-Xylene	9.36	106	85291	5.135	ug/L	95
54) o-Xylene	9.76	106	82127	5.186	ug/L	96
55) Styrene	9.77	104	147571	5.347	ug/L	100
56) Isopropylbenzene	10.15	105	214275	5.090	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	51997	5.475	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	37132	5.488	ug/L	98
61) Bromoform	9.94	173	26025	5.777	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	101014	5.160	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	105232	5.105	ug/L	100
65) 1,2-Dichlorobenzene	11.86	146	102225	5.260	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.64	75	8615	5.857	ug/L	87
67) 1,3,5-Trichlorobenzene	12.87	180	76134	4.949	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	61140	4.921	ug/L	98
69) Naphthalene	13.73	128	104277	4.954	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	61513	5.254	ug/L	96

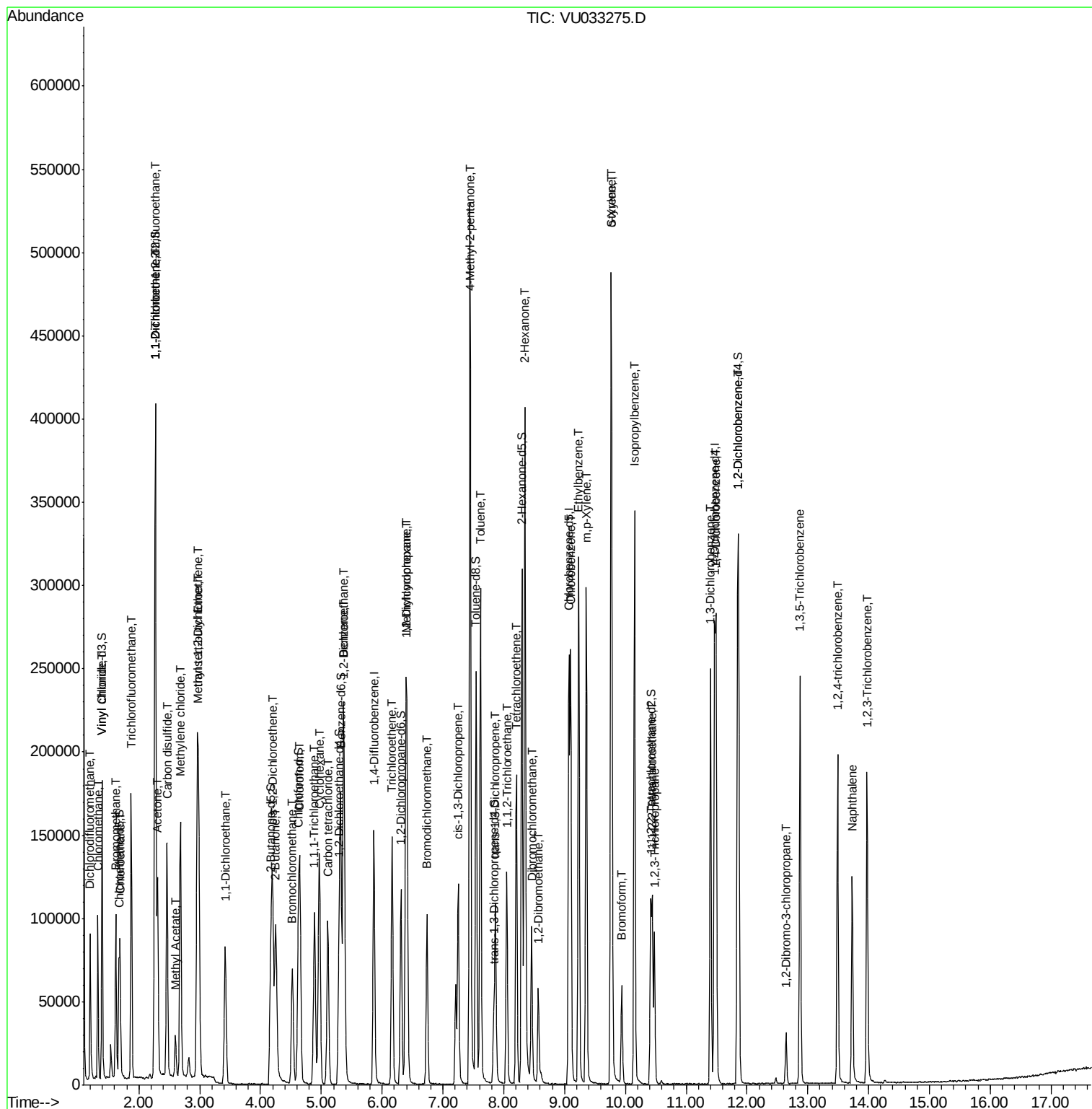
(#) = qualifier out of range (m) = manual integration (+) = signals summed

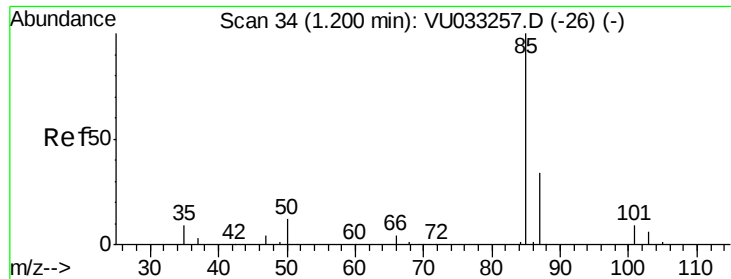
Data File : VU033275.D

```
Acq On       : 16 Jul 2019   20:15
Operator    : JC/SP
Sample      : VSTDCCC005EC
Misc        : 25.0mL/MSVOA_U/WATER
ALS Vial    : 23      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Quant Time: Jul 17 04:50:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 17 04:42:24 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.283 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033275.D

Acq: 16 Jul 2019 20:15

Instrument :

MSVOA_U

ClientSampleId :

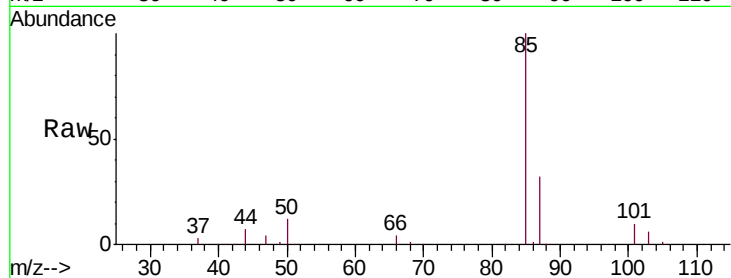
VSTD00514

Tgt Ion: 85 Resp: 56608

Ion Ratio Lower Upper

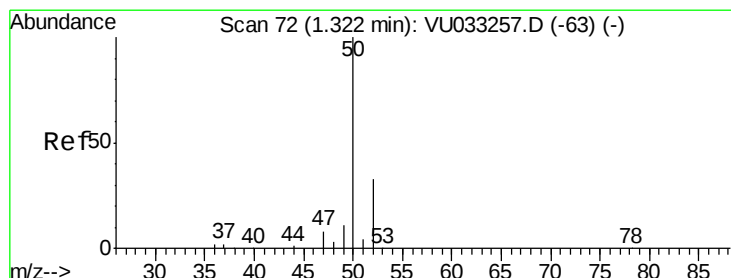
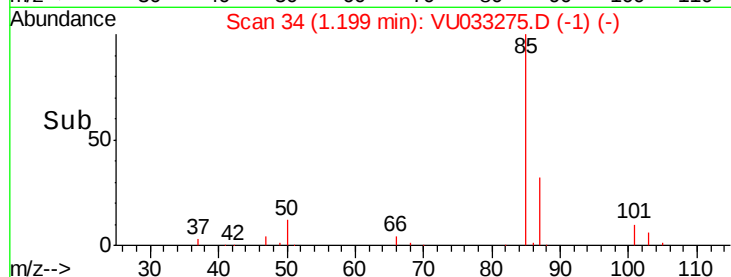
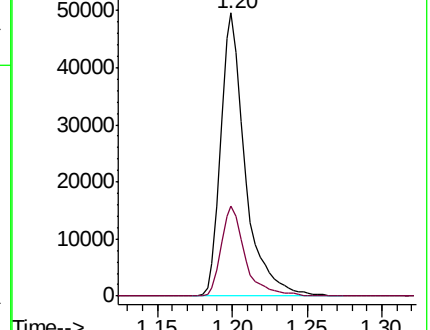
85 100

87 30.9 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU033275.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033275.D (-26) (-)



#3

Chloromethane

Concen: 4.919 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU033275.D

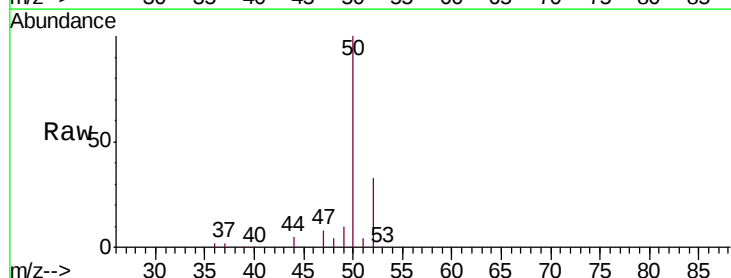
Acq: 16 Jul 2019 20:15

Tgt Ion: 50 Resp: 62219

Ion Ratio Lower Upper

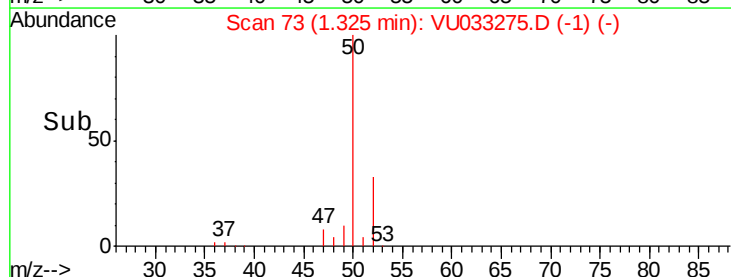
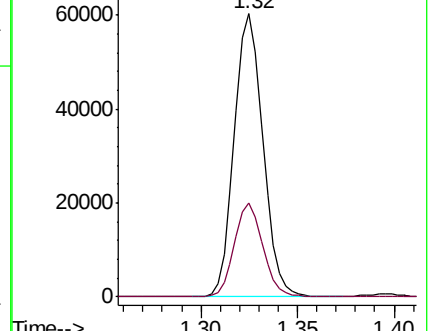
50 100

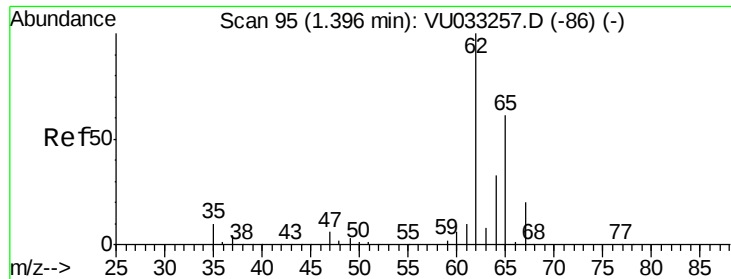
52 33.0 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU033275.D (-63) (-)

Ion 52.05 (51.75 to 52.75): VU033275.D (-63) (-)





#5

Vinyl chloride

Concen: 5.229 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033275.D

Acq: 16 Jul 2019 20:15

Instrument :

MSVOA_U

ClientSampleId :

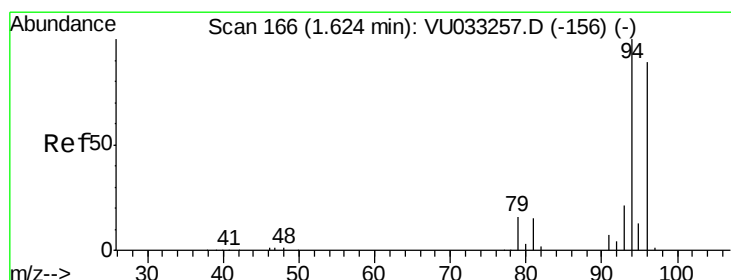
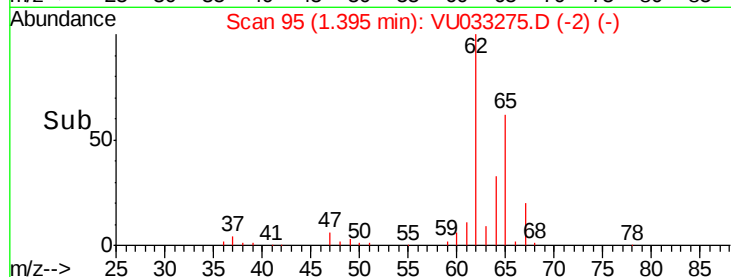
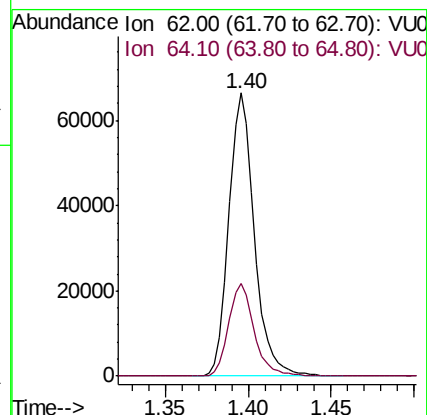
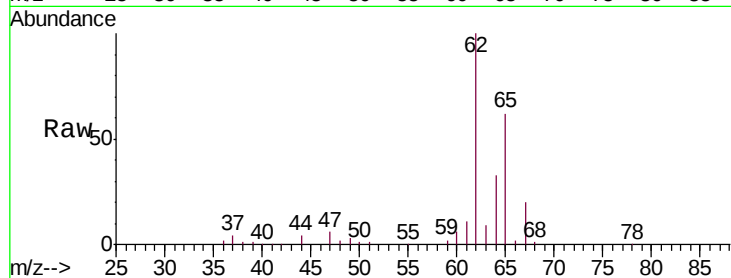
VSTD00514

Tgt Ion: 62 Resp: 71037

Ion Ratio Lower Upper

62 100

64 32.9 22.8 42.4



#6

Bromomethane

Concen: 5.254 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU033275.D

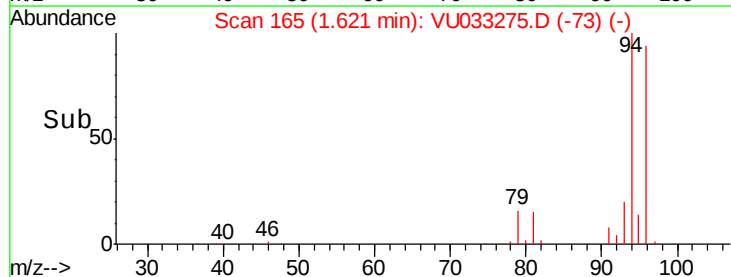
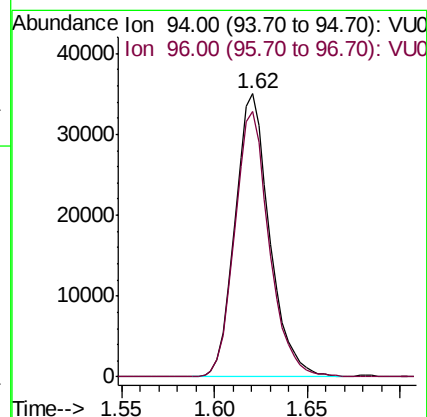
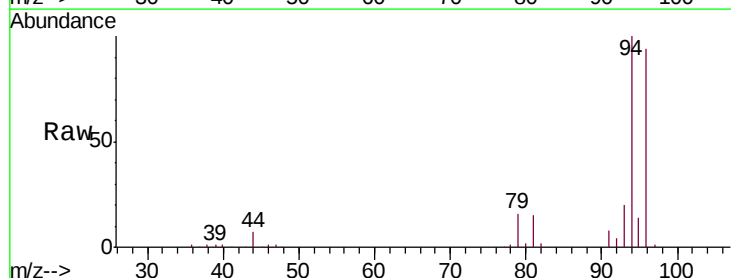
Acq: 16 Jul 2019 20:15

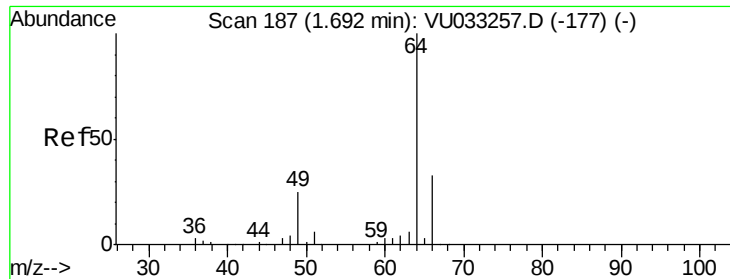
Tgt Ion: 94 Resp: 45252

Ion Ratio Lower Upper

94 100

96 93.9 62.4 116.0





#8

Chloroethane

Concen: 5.265 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU033275.D

Acq: 16 Jul 2019 20:15

Instrument :

MSVOA_U

ClientSampleId :

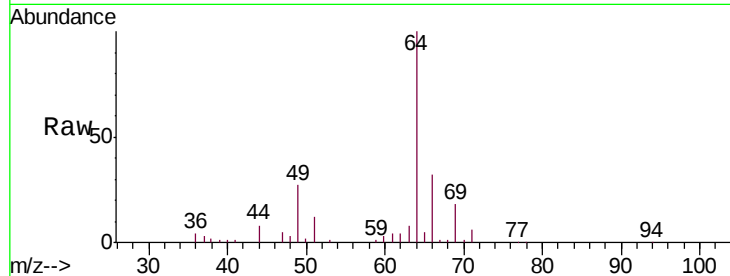
VSTD00514

Tgt Ion: 64 Resp: 45781

Ion Ratio Lower Upper

64 100

66 32.0 23.2 43.2



Abundance Ion 64.10 (63.80 to 64.80): VU033275.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU033275.D (-177) (-)

1.69

40000

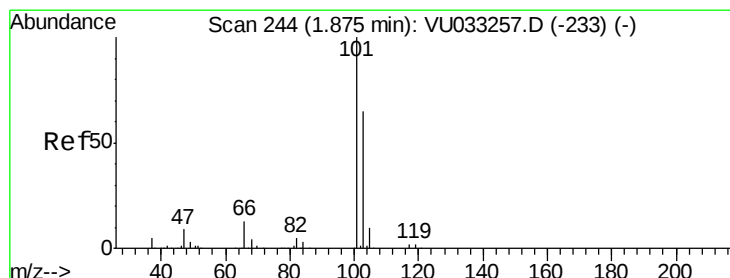
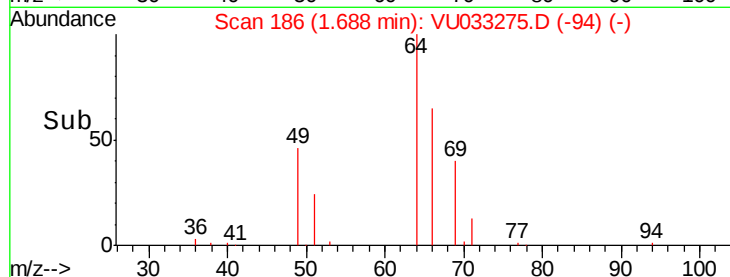
30000

20000

10000

0

Time-->



#9

Trichlorofluoromethane

Concen: 5.199 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU033275.D

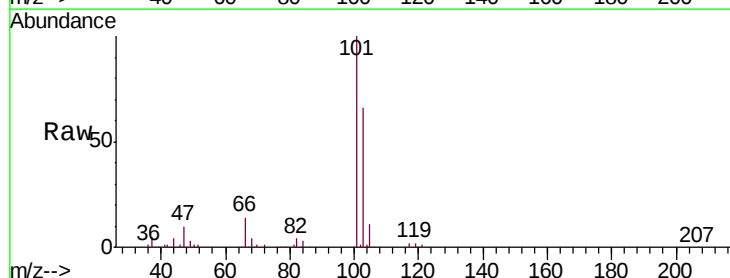
Acq: 16 Jul 2019 20:15

Tgt Ion: 101 Resp: 101238

Ion Ratio Lower Upper

101 100

103 65.8 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU033275.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU033275.D (-233) (-)

1.87

80000

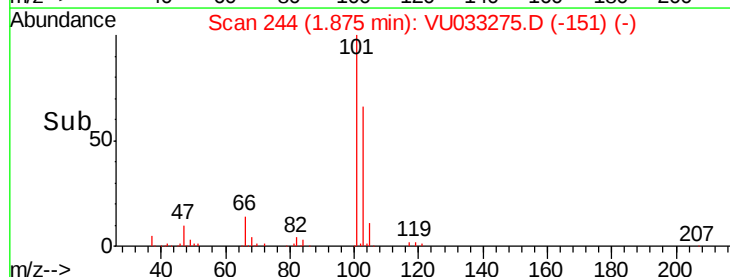
60000

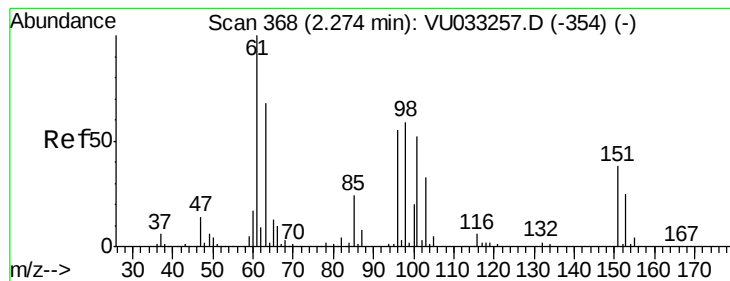
40000

20000

0

Time-->





#10

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

Concen: 5.316 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033275.D

Acq: 16 Jul 2019 20:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

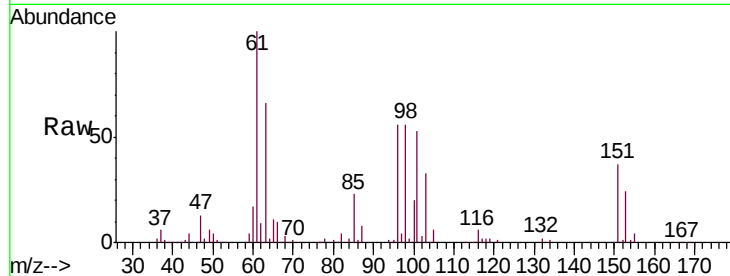
Tgt Ion: 101 Resp: 57168

Ion Ratio Lower Upper

101 100

85 45.6 37.4 56.0

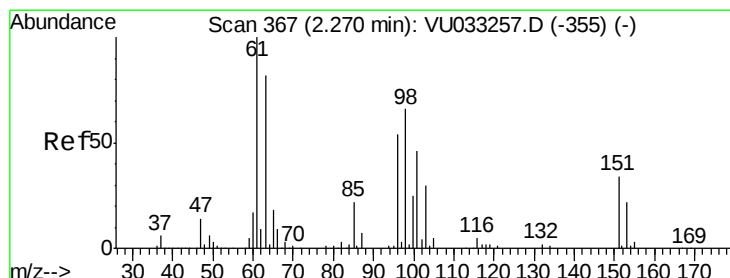
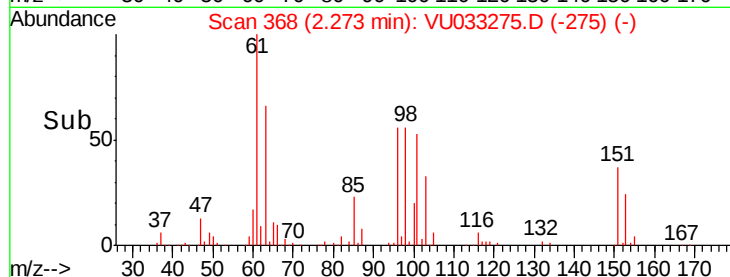
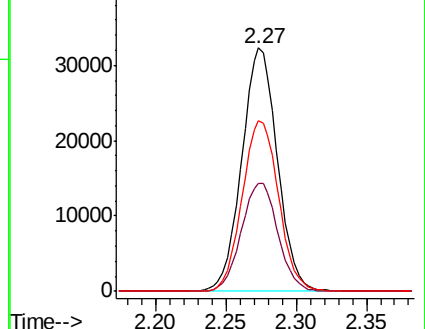
151 71.7 58.6 87.8



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: 5.184 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033275.D

Acq: 16 Jul 2019 20:15

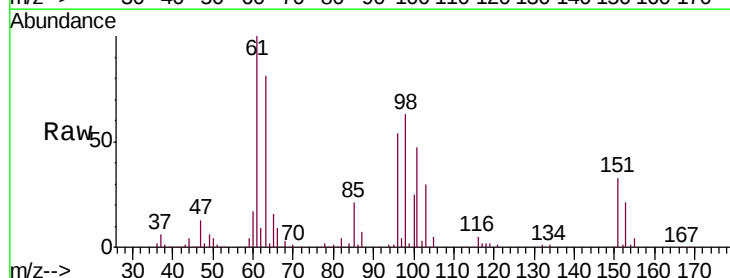
Tgt Ion: 96 Resp: 53747

Ion Ratio Lower Upper

96 100

61 184.3 129.3 240.1

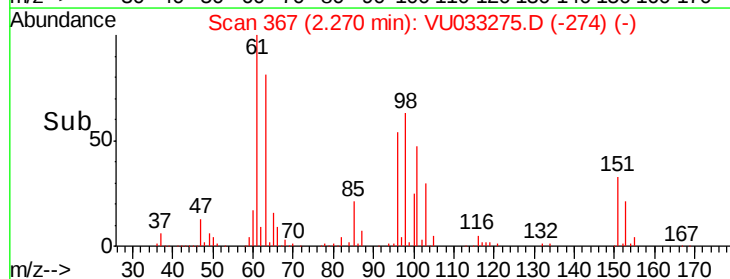
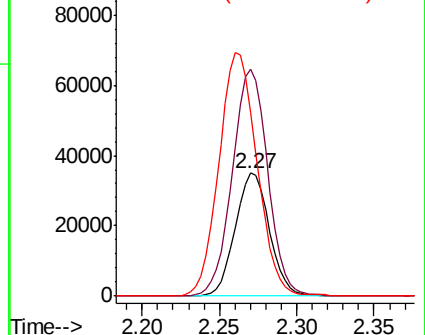
63 148.9 108.9 202.3

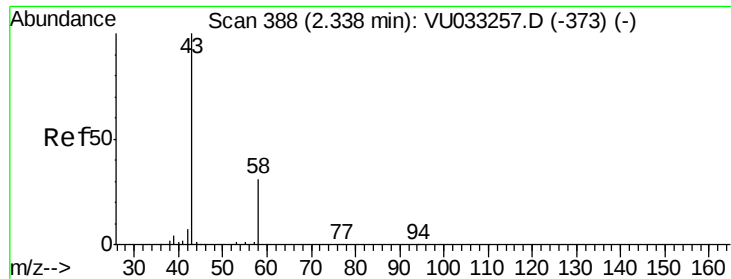


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 54.724 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.03 min

Lab File: VU033275.D

Acq: 16 Jul 2019 20:15

Instrument :

MSVOA_U

ClientSampleId :

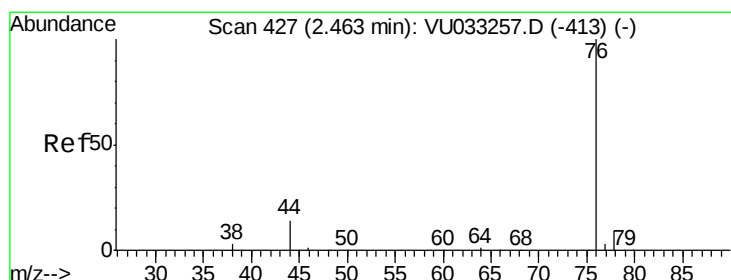
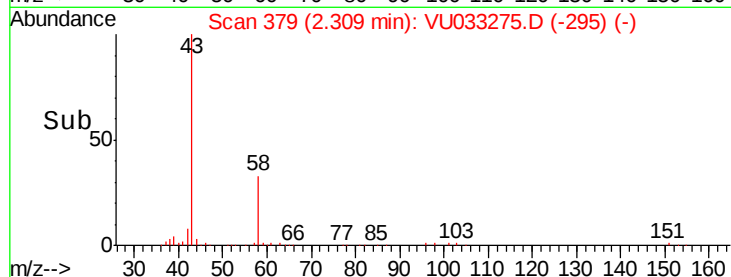
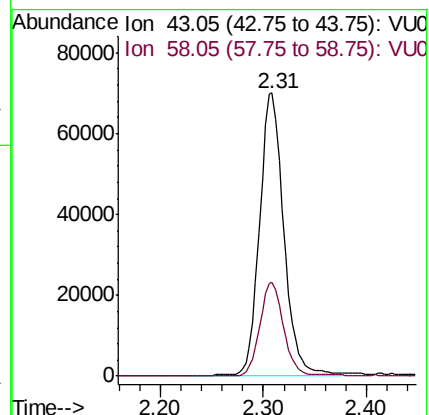
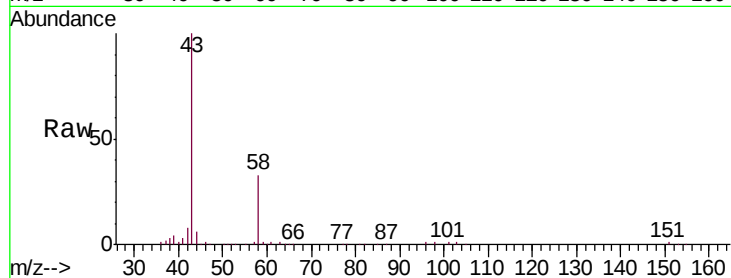
VSTD00514

Tgt Ion: 43 Resp: 114757

Ion Ratio Lower Upper

43 100

58 32.5 0.0 66.6



#14

Carbon disulfide

Concen: 5.136 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU033275.D

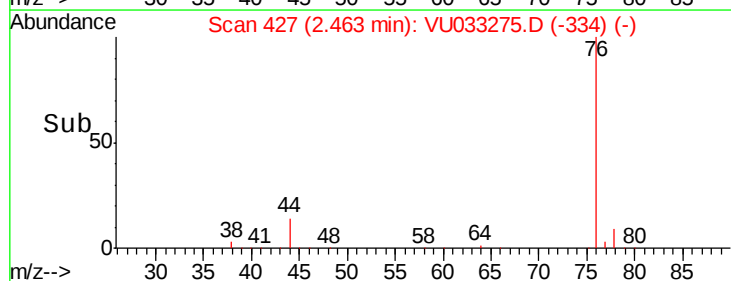
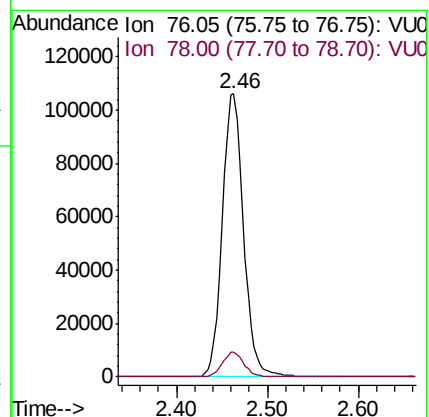
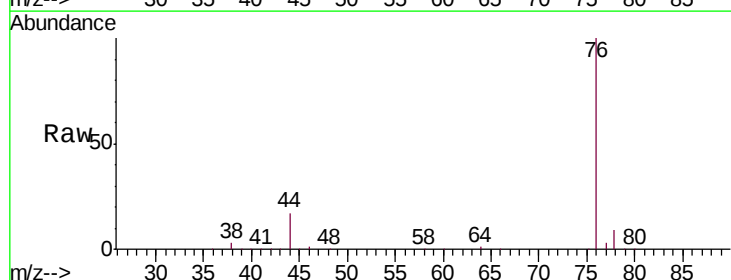
Acq: 16 Jul 2019 20:15

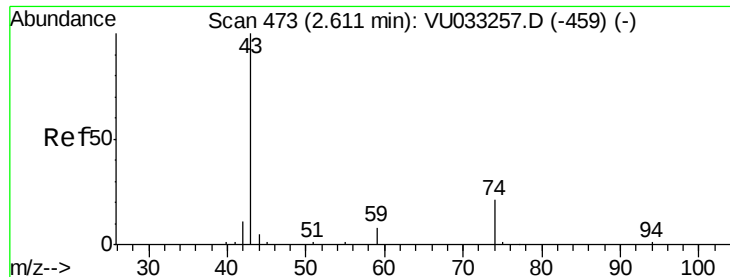
Tgt Ion: 76 Resp: 172423

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7





#15

Methyl Acetate

Concen: 5.398 ug/L

RT: 2.60 min Scan# 470

Delta R.T. -0.01 min

Lab File: VU033275.D

Acq: 16 Jul 2019 20:15

Instrument :

MSVOA_U

ClientSampleId :

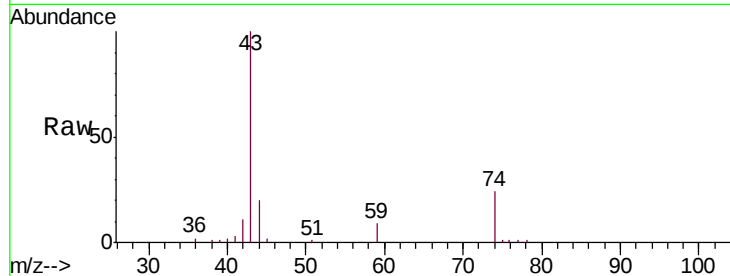
VSTD00514

Tgt Ion: 43 Resp: 28270

Ion Ratio Lower Upper

43 100

74 23.7 17.8 26.8



Abundance Ion 43.05 (42.75 to 43.75): VU033275.D (-459) (-)

Ion 74.05 (73.75 to 74.75): VU033275.D (-459) (-)

2.60

15000

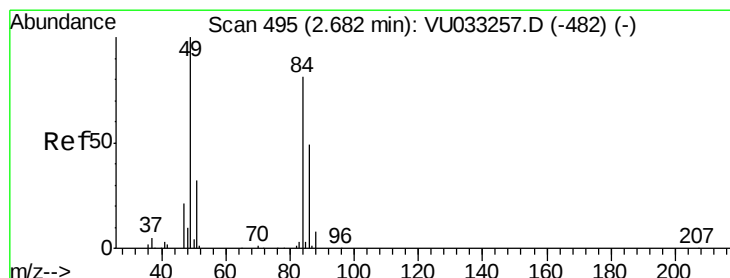
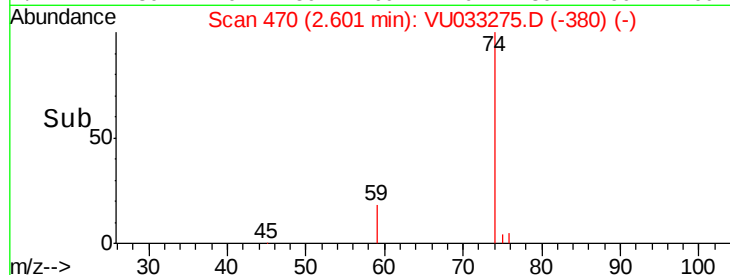
10000

5000

0

Time-->

2.55 2.60 2.65 2.70



#16

Methylene chloride

Concen: 5.138 ug/L

RT: 2.68 min Scan# 495

Delta R.T. -0.00 min

Lab File: VU033275.D

Acq: 16 Jul 2019 20:15

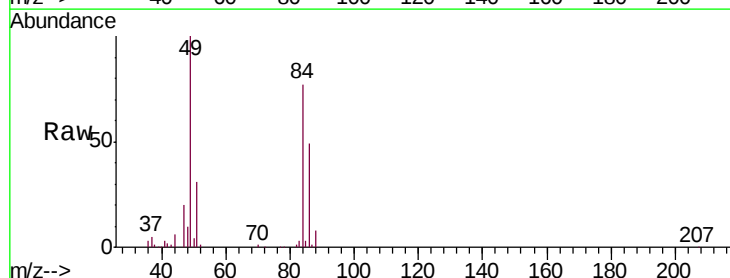
Tgt Ion: 84 Resp: 64960

Ion Ratio Lower Upper

84 100

86 64.5 42.5 78.9

49 130.3 86.9 161.3



Abundance Ion 84.05 (83.75 to 84.75): VU033275.D (-482) (-)

Ion 86.00 (85.70 to 86.70): VU033275.D (-482) (-)

Ion 49.10 (48.80 to 49.80): VU033275.D (-482) (-)

2.68

60000

50000

40000

30000

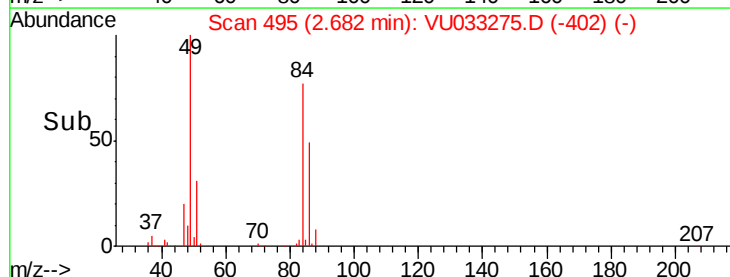
20000

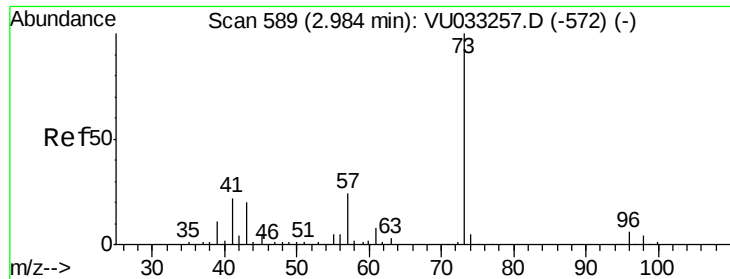
10000

0

Time-->

2.60 2.65 2.70 2.75 2.80





#17

Methyl tert-butyl Ether

Concen: 5.669 ug/L

RT: 2.98 min Scan# 589

Delta R.T. -0.00 min

Lab File: VU033275.D

Acq: 16 Jul 2019 20:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

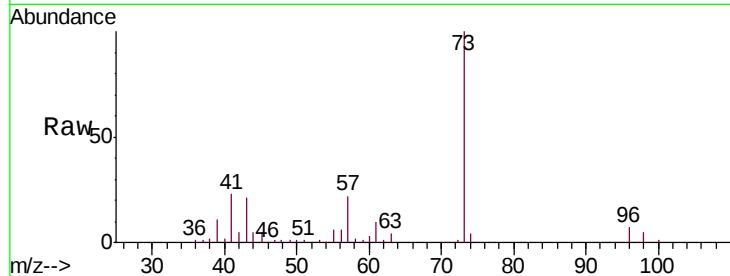
Tgt Ion: 73 Resp: 153952

Ion Ratio Lower Upper

73 100

43 21.1 16.3 24.5

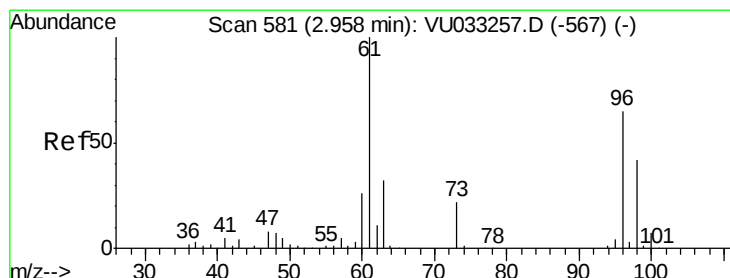
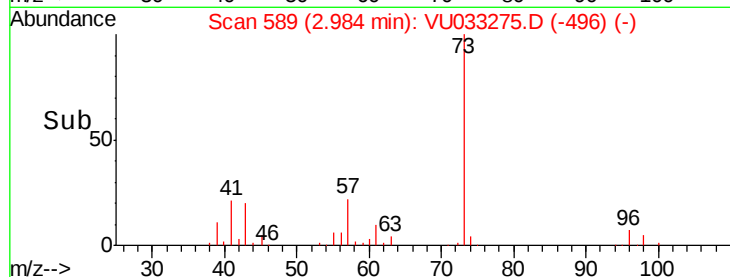
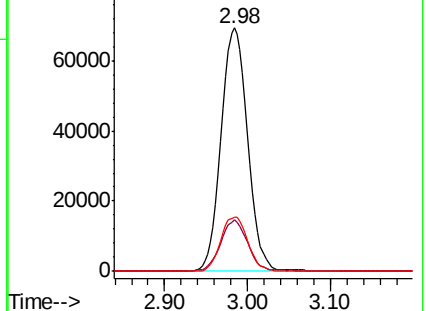
57 22.7 18.6 28.0



Abundance Ion 73.10 (72.80 to 73.80): VU033275.D (-572) (-)

Ion 43.05 (42.75 to 43.75): VU033275.D (-572) (-)

Ion 57.10 (56.80 to 57.80): VU033275.D (-572) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.236 ug/L

RT: 2.96 min Scan# 581

Delta R.T. -0.00 min

Lab File: VU033275.D

Acq: 16 Jul 2019 20:15

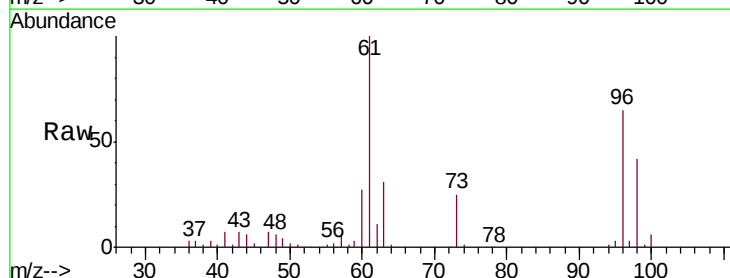
Tgt Ion: 96 Resp: 59970

Ion Ratio Lower Upper

96 100

61 153.4 107.1 198.9

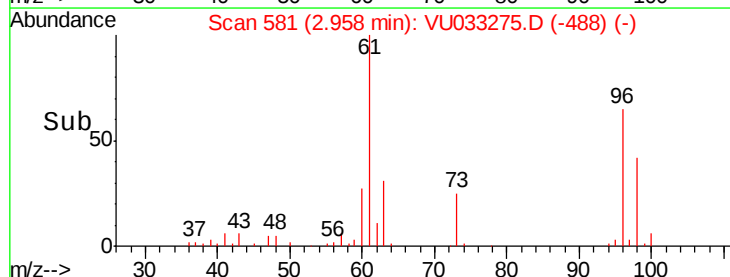
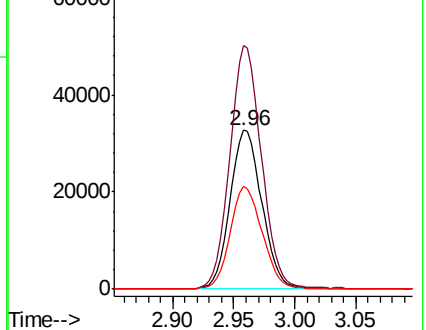
98 64.6 45.4 84.4

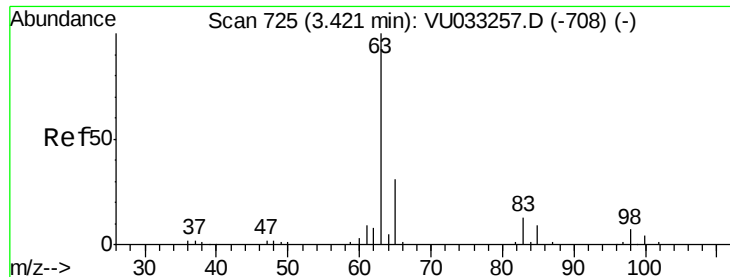


Abundance Ion 96.00 (95.70 to 96.70): VU033275.D (-567) (-)

Ion 61.05 (60.75 to 61.75): VU033275.D (-567) (-)

Ion 97.95 (97.65 to 98.65): VU033275.D (-567) (-)

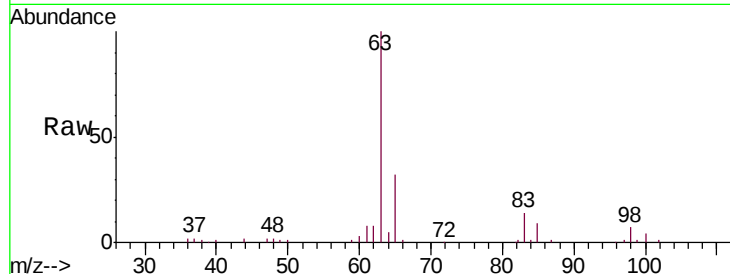




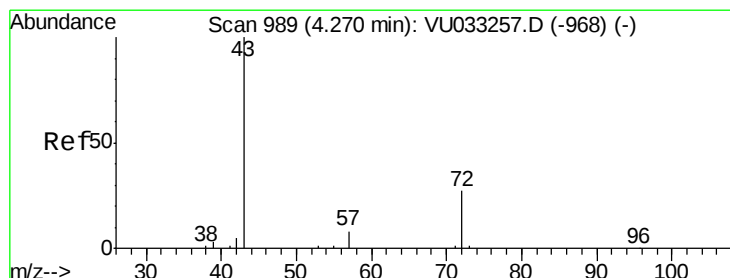
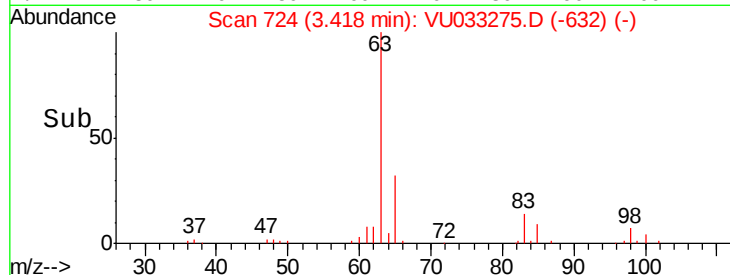
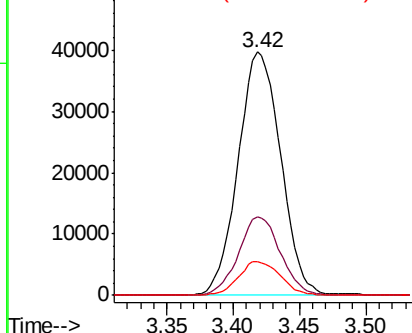
#19
 1,1-Dichloroethane
 Concen: 5.170 ug/L
 RT: 3.42 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VU033275.D
 Acq: 16 Jul 2019 20:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tgt Ion: 63 Resp: 88976
 Ion Ratio Lower Upper
 63 100
 65 32.0 21.7 40.3
 83 14.0 9.0 16.8

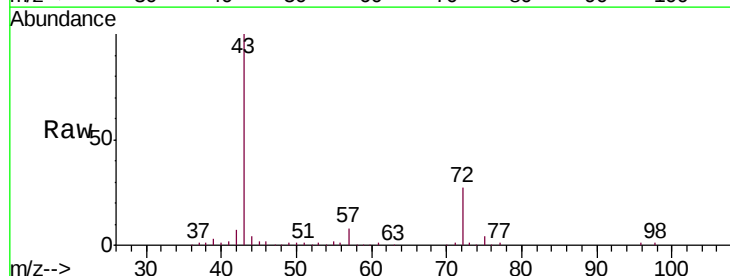


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

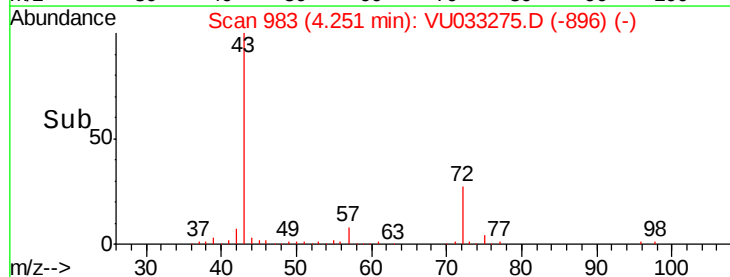
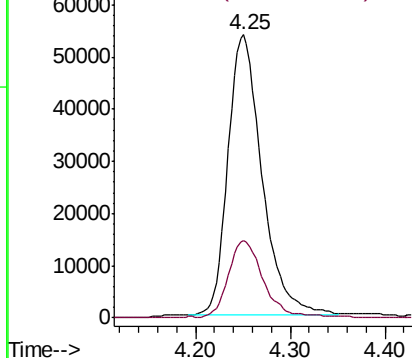


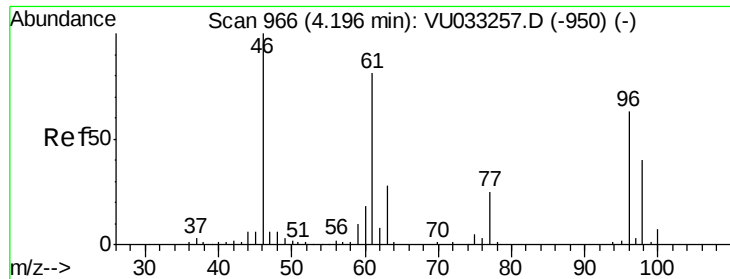
#21
 2-Butanone
 Concen: 56.011 ug/L
 RT: 4.25 min Scan# 983
 Delta R.T. -0.02 min
 Lab File: VU033275.D
 Acq: 16 Jul 2019 20:15

Tgt Ion: 43 Resp: 134993
 Ion Ratio Lower Upper
 43 100
 72 27.3 13.5 40.4



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



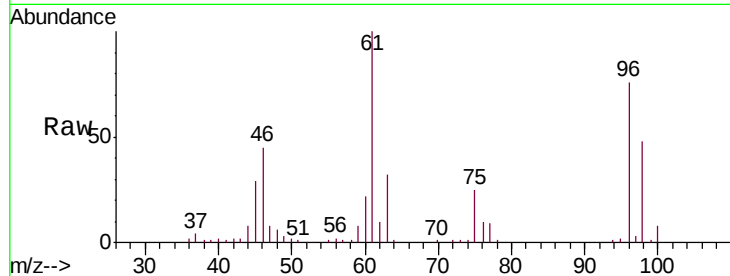


#22

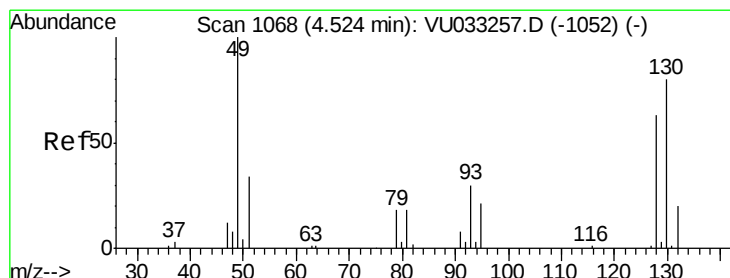
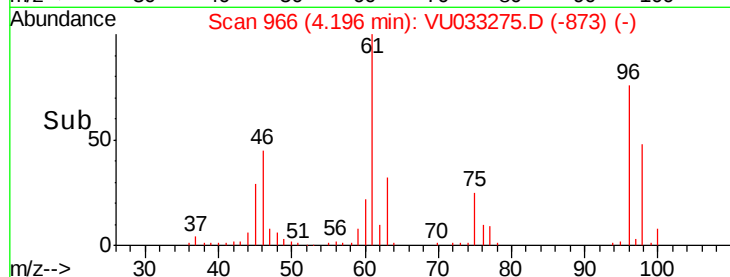
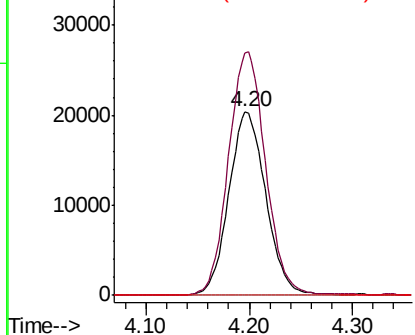
cis-1,2-Dichloroethene
 Concen: 5.270 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU033275.D
 Acq: 16 Jul 2019 20:15

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00514

Tgt Ion: 96 Resp: 51013
 Ion Ratio Lower Upper
 96 100
 61 131.7 89.2 165.6
 68 0.0 0.0 0.0



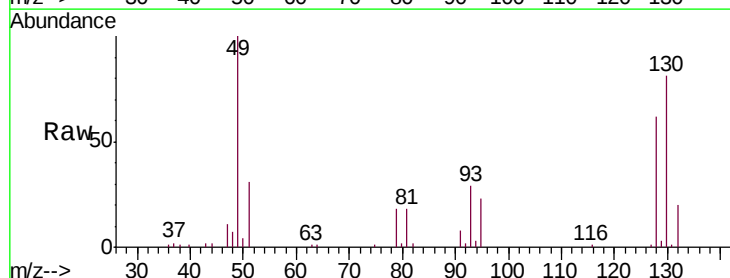
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



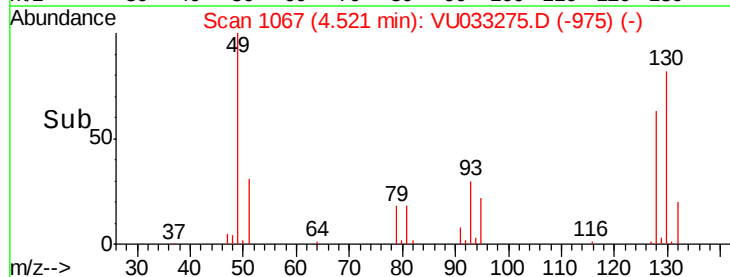
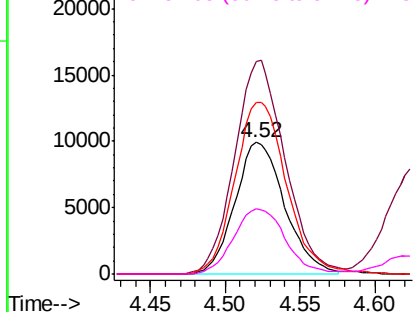
#23

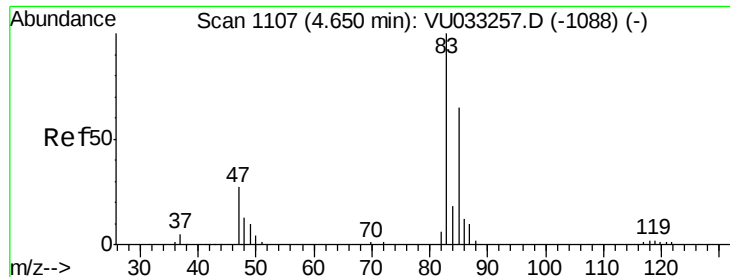
Bromochloromethane
 Concen: 5.381 ug/L
 RT: 4.52 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VU033275.D
 Acq: 16 Jul 2019 20:15

Tgt Ion: 128 Resp: 22944
 Ion Ratio Lower Upper
 128 100
 49 161.5 110.5 205.3
 130 130.7 88.6 164.6
 51 49.3 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

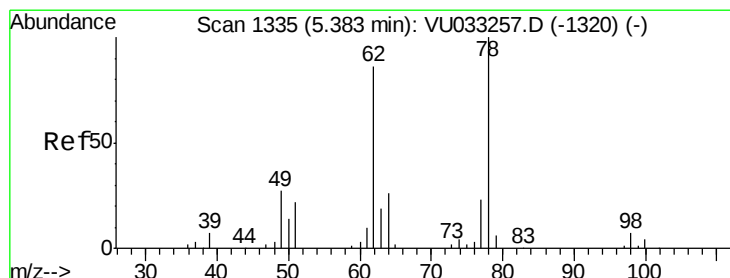
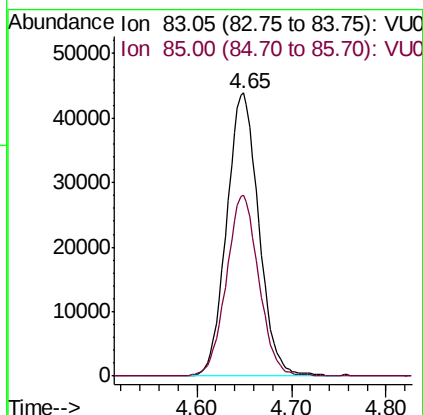
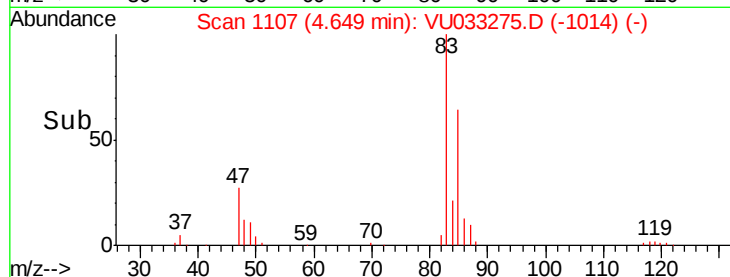
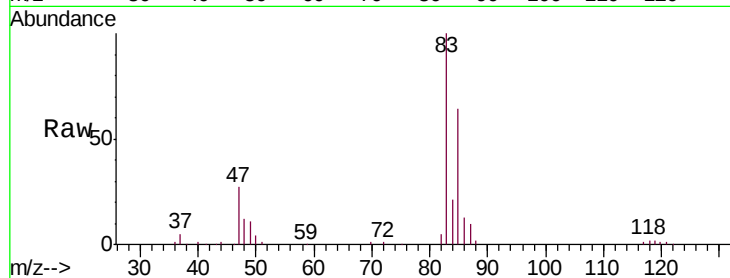




#25
Chloroform
Concen: 5.438 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU033275.D
Acq: 16 Jul 2019 20:15

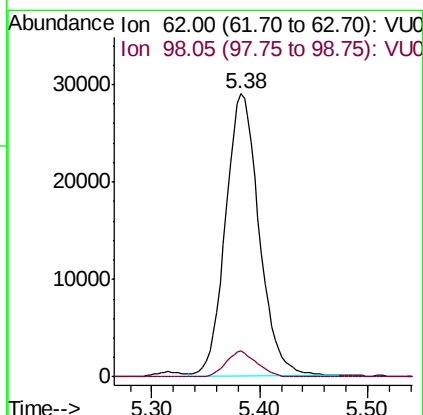
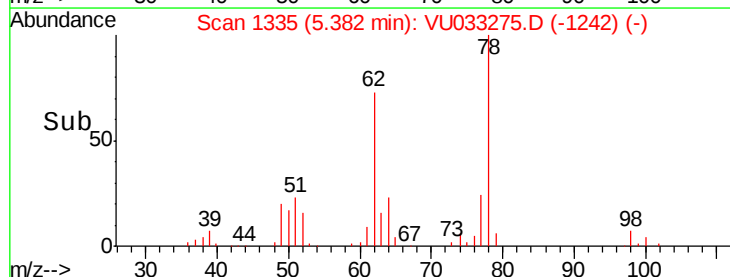
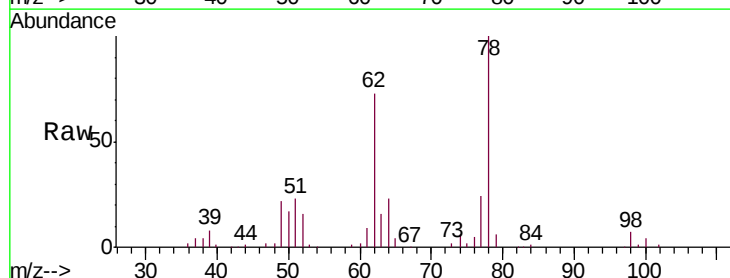
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

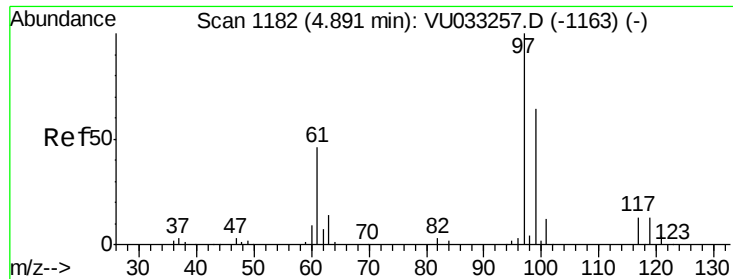
Tgt Ion: 83 Resp: 103653
Ion Ratio Lower Upper
83 100
85 63.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 5.537 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU033275.D
Acq: 16 Jul 2019 20:15

Tgt Ion: 62 Resp: 62789
Ion Ratio Lower Upper
62 100
98 9.1 6.6 10.0

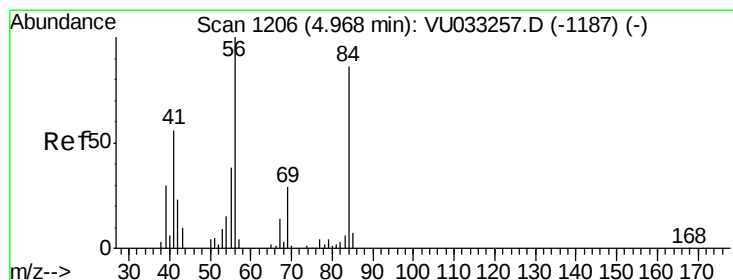
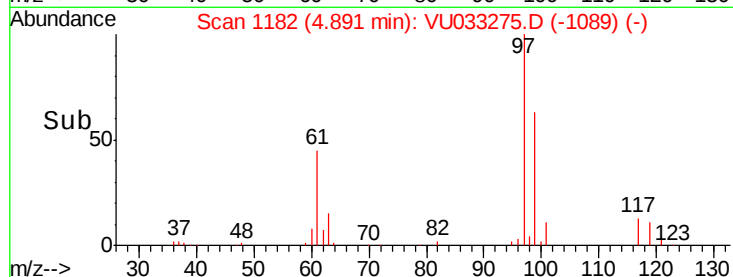
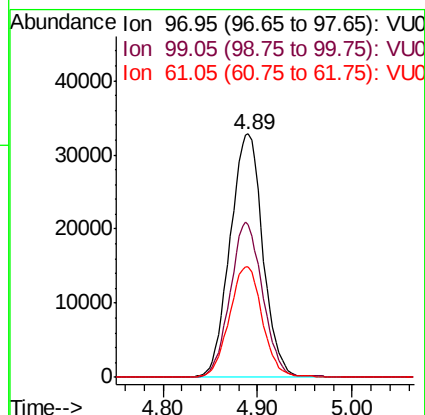
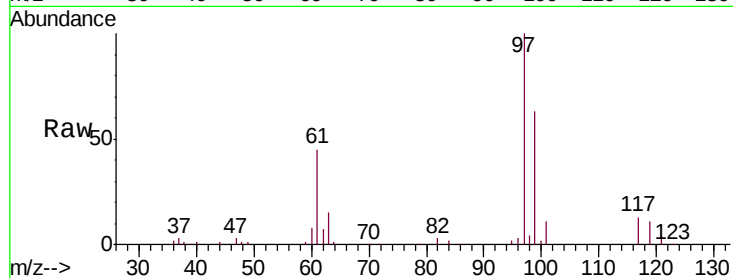




#29
 1,1,1-Trichloroethane
 Concen: 5.057 ug/L
 RT: 4.89 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VU033275.D
 Acq: 16 Jul 2019 20:15

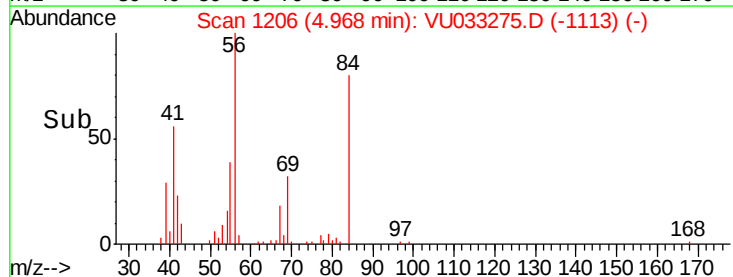
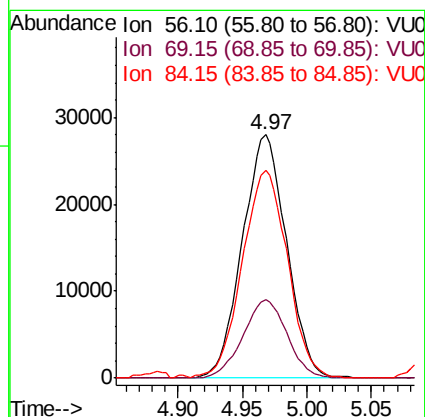
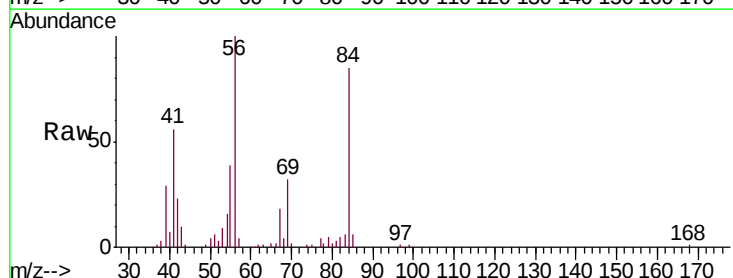
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

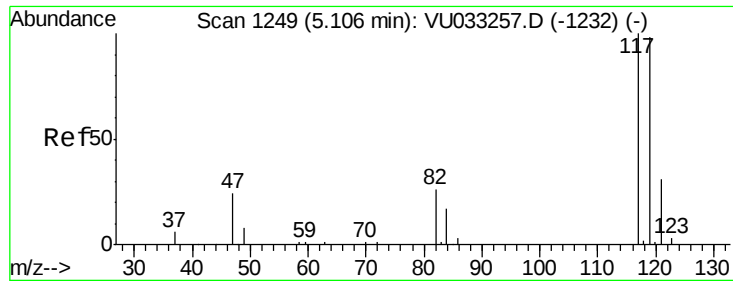
Tgt Ion: 97 Resp: 79141
 Ion Ratio Lower Upper
 97 100
 99 62.9 51.6 77.4
 61 45.5 36.2 54.4



#30
 Cyclohexane
 Concen: 4.743 ug/L
 RT: 4.97 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: VU033275.D
 Acq: 16 Jul 2019 20:15

Tgt Ion: 56 Resp: 66655
 Ion Ratio Lower Upper
 56 100
 69 32.1 23.9 35.9
 84 87.6 69.5 104.3

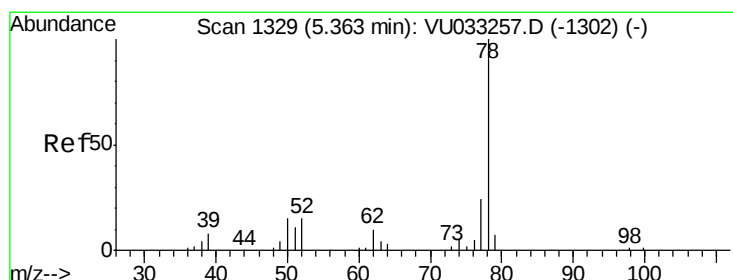
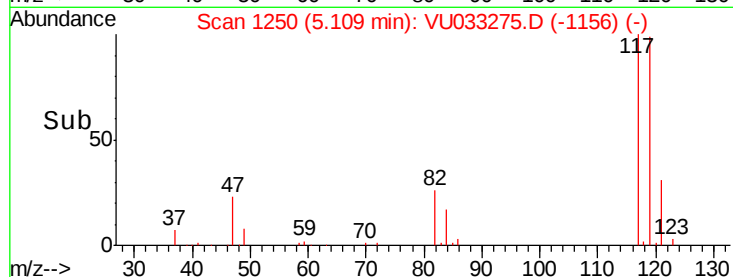
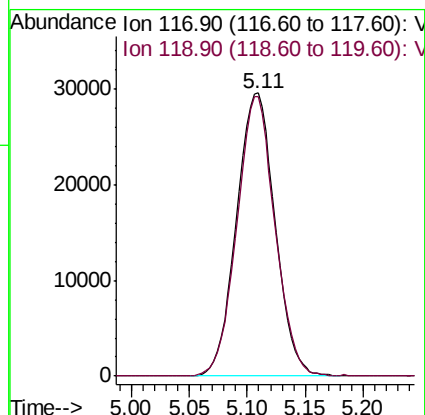
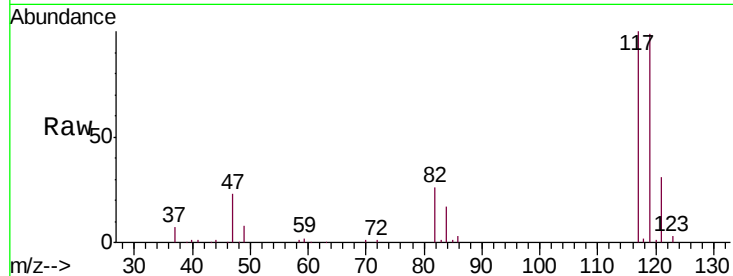




#31
Carbon tetrachloride
Concen: 4.997 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU033275.D
Acq: 16 Jul 2019 20:15

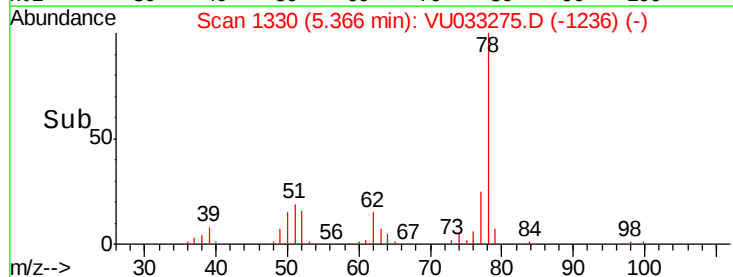
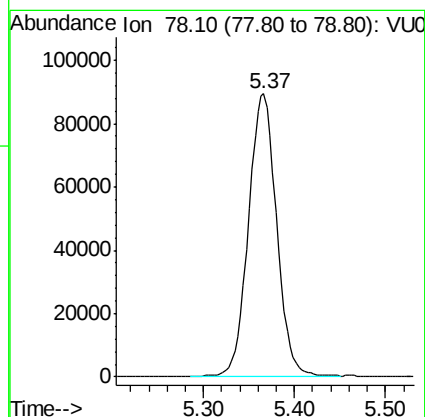
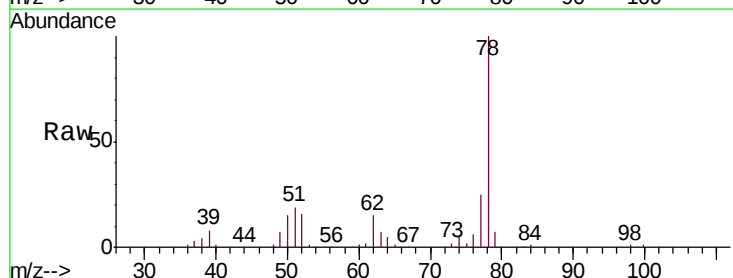
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

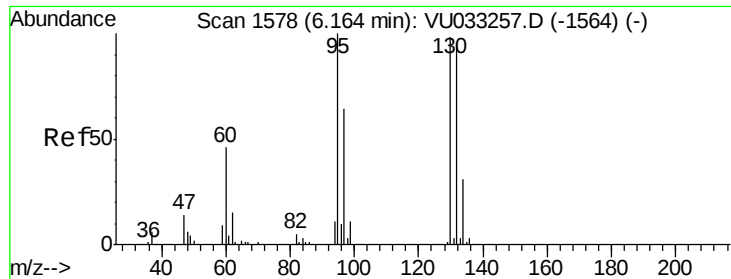
Tgt Ion:117 Resp: 68448
Ion Ratio Lower Upper
117 100
119 97.3 77.5 116.3



#33
Benzene
Concen: 5.034 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU033275.D
Acq: 16 Jul 2019 20:15

Tgt Ion: 78 Resp: 193147

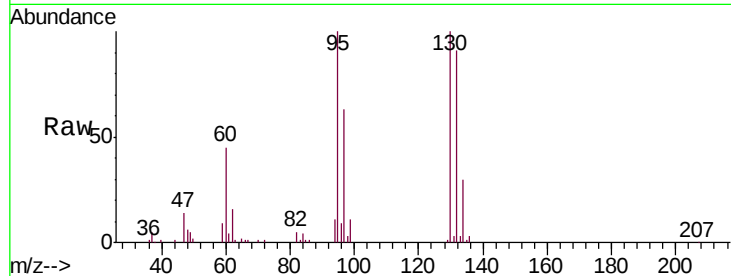




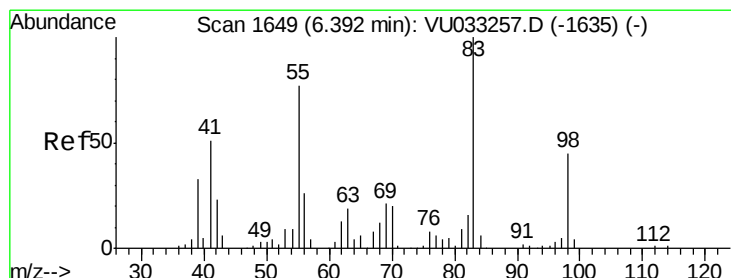
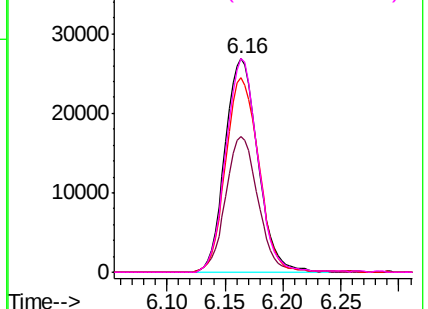
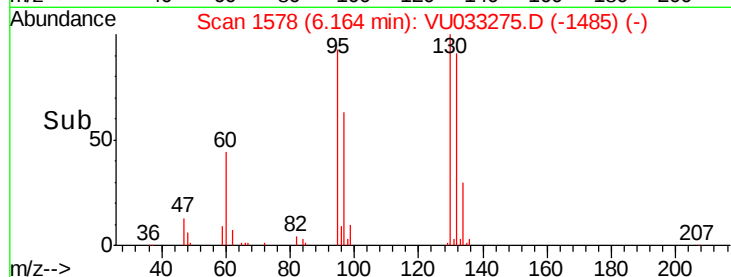
#34
 Trichloroethene
 Concen: 5.215 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VU033275.D
 Acq: 16 Jul 2019 20:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tgt Ion:	95	Resp:	52939
Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.5	82.7
132	90.9	66.6	123.8
130	100.0	68.9	127.9

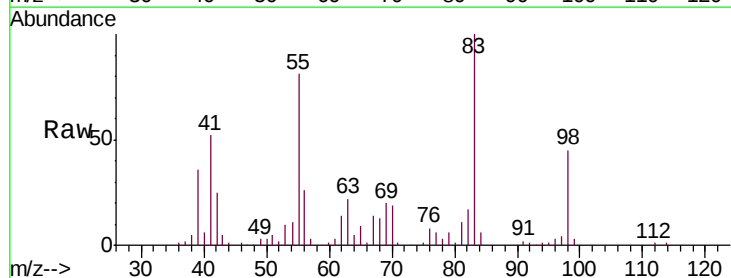


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

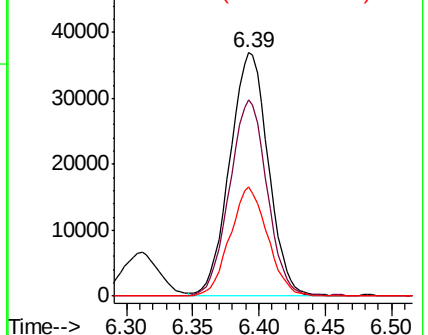
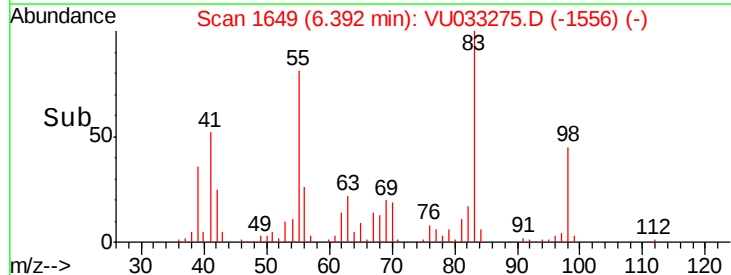


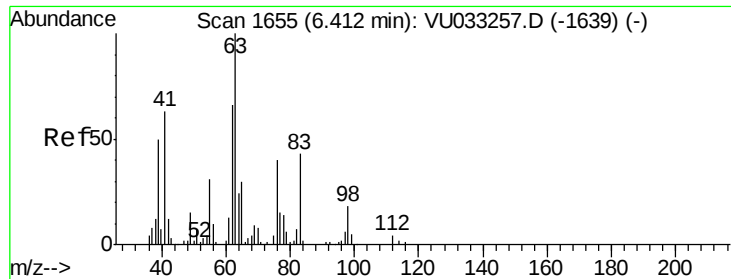
#35
 Methylcyclohexane
 Concen: 4.854 ug/L
 RT: 6.39 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU033275.D
 Acq: 16 Jul 2019 20:15

Tgt Ion:	83	Resp:	74253
Ion	Ratio	Lower	Upper
83	100		
55	78.7	62.6	94.0
98	44.0	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

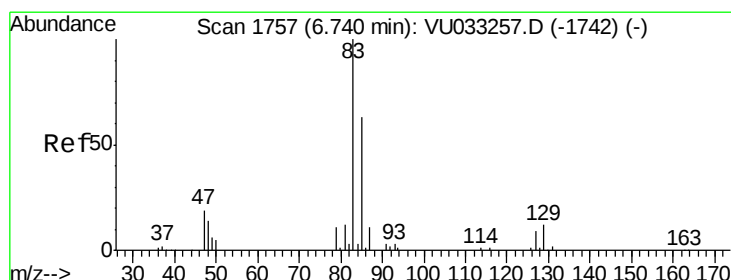
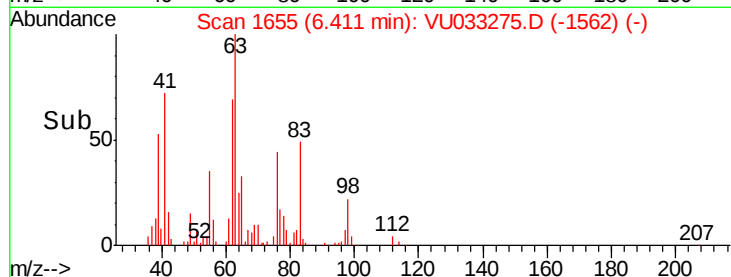
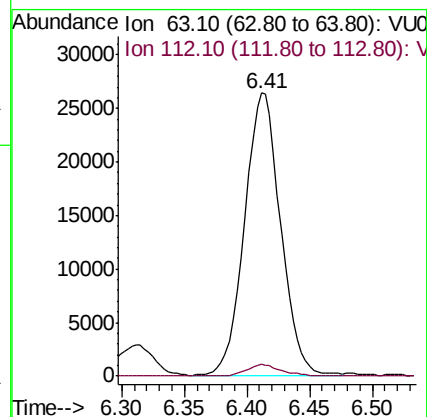
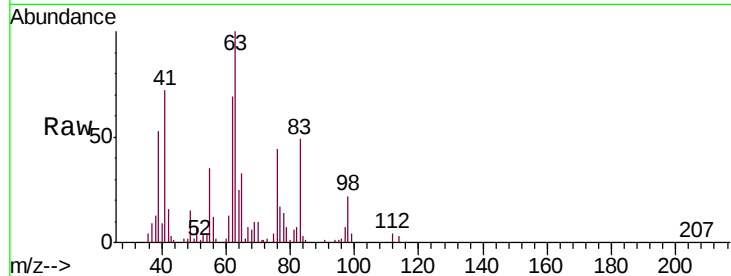




#37
 1,2-Dichloropropane
 Concen: 5.061 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU033275.D
 Acq: 16 Jul 2019 20:15

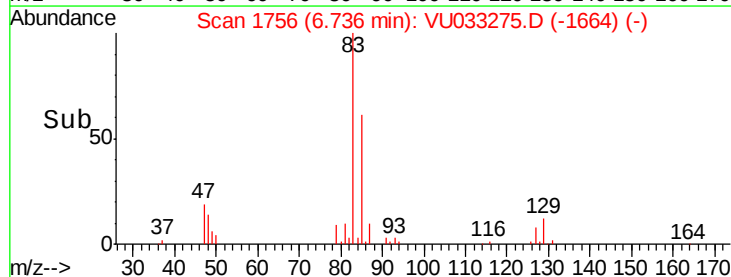
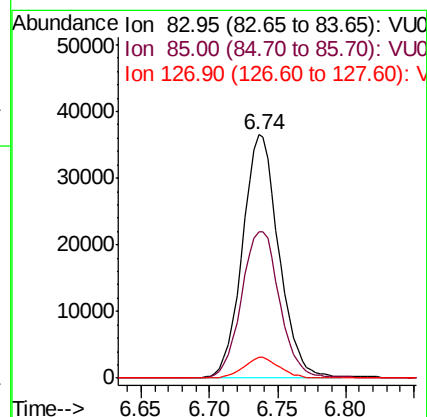
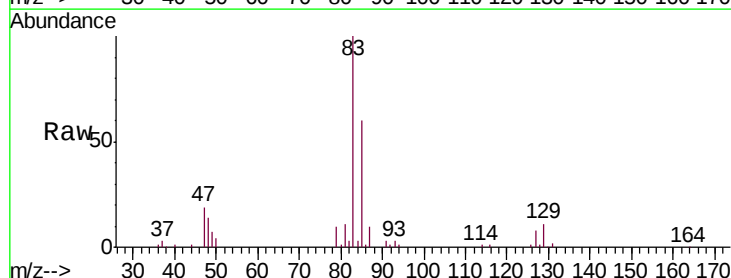
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

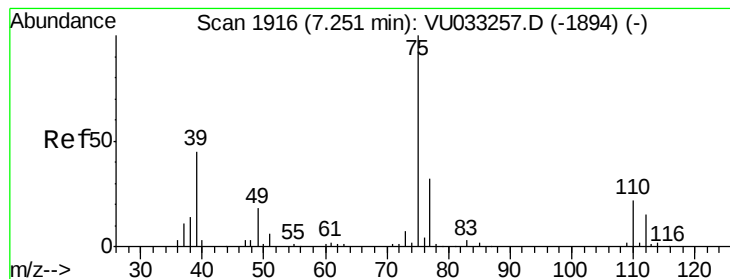
Tgt Ion: 63 Resp: 52510
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#38
 Bromodichloromethane
 Concen: 5.108 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VU033275.D
 Acq: 16 Jul 2019 20:15

Tgt Ion: 83 Resp: 67604
 Ion Ratio Lower Upper
 83 100
 85 60.3 44.0 81.8
 127 8.3 7.0 10.4



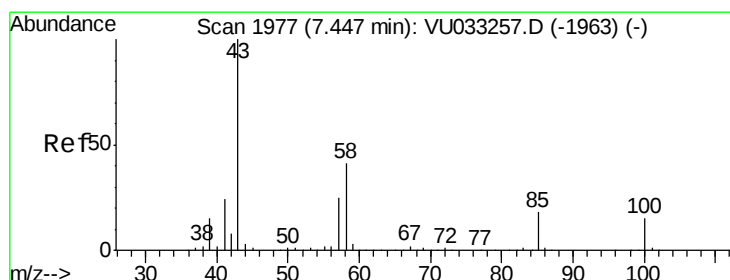
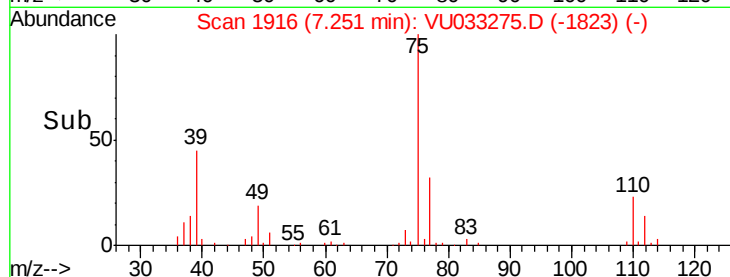
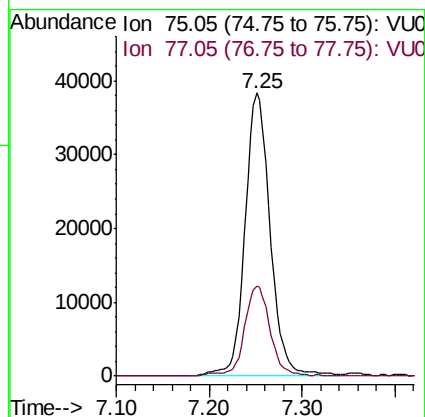
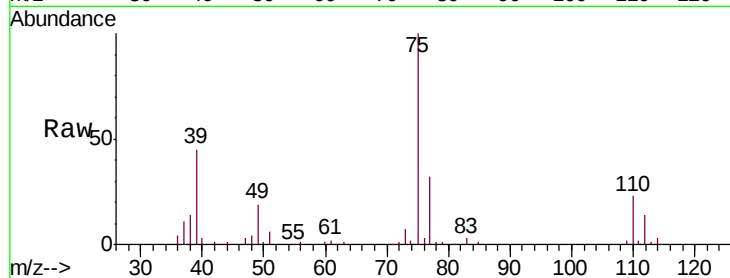


#39

cis-1,3-Dichloropropene
 Concen: 4.885 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU033275.D
 Acq: 16 Jul 2019 20:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

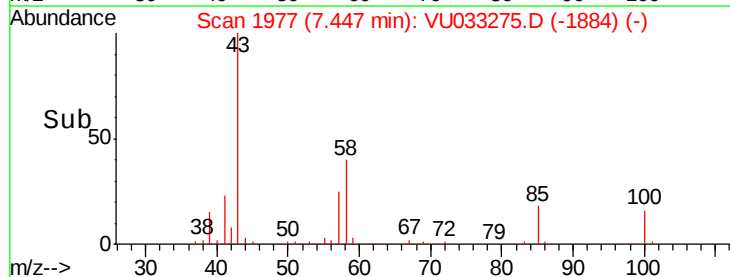
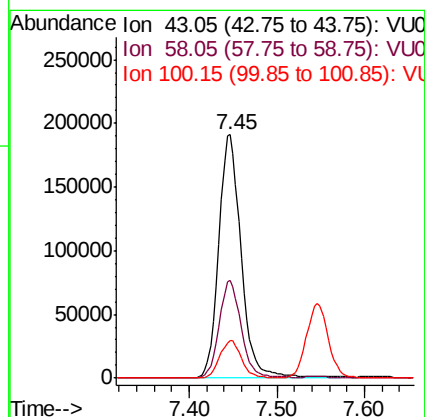
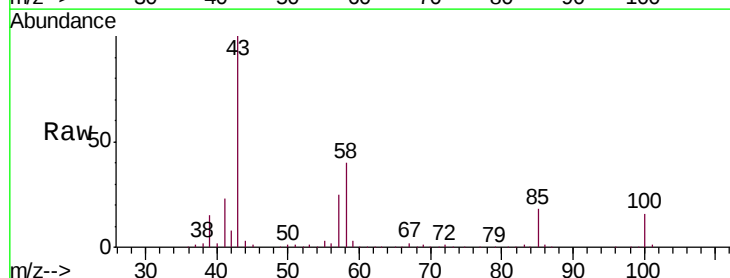
Tgt Ion: 75 Resp: 72312
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.1 41.1

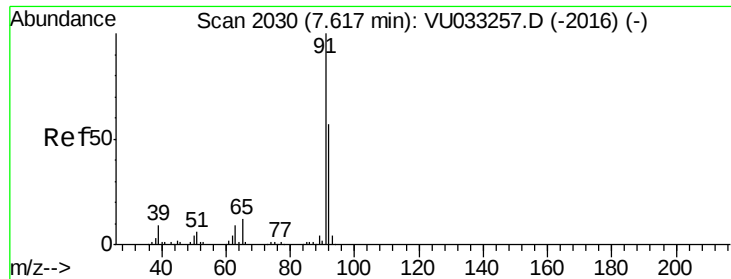


#40

4-Methyl-2-pentanone
 Concen: 57.325 ug/L
 RT: 7.45 min Scan# 1977
 Delta R.T. -0.00 min
 Lab File: VU033275.D
 Acq: 16 Jul 2019 20:15

Tgt Ion: 43 Resp: 340804
 Ion Ratio Lower Upper
 43 100
 58 39.5 32.4 48.6
 100 15.0 11.9 17.9





#42

Toluene

Concen: 5.209 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033275.D

Acq: 16 Jul 2019 20:15

Instrument :

MSVOA_U

ClientSampleId :

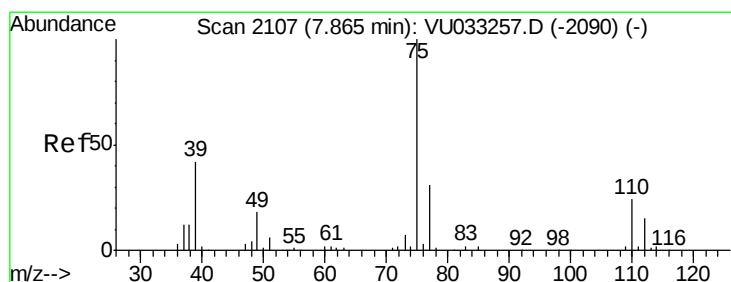
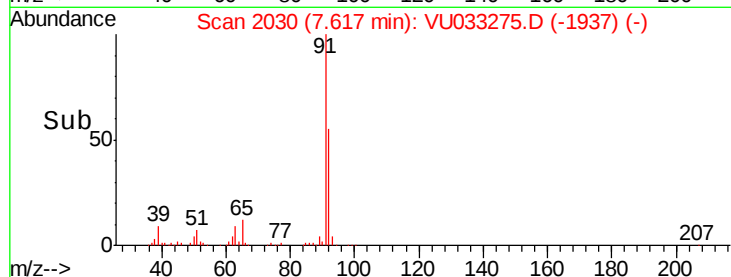
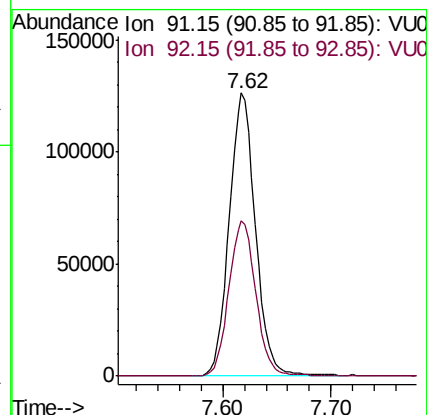
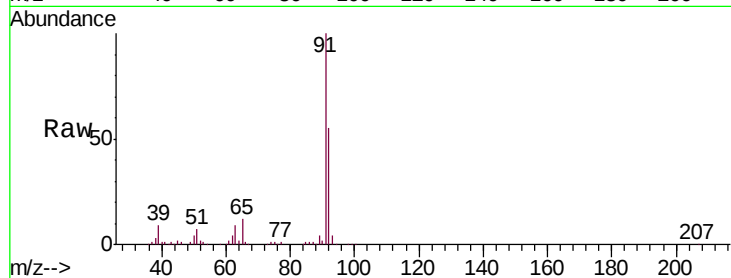
VSTD00514

Tgt Ion: 91 Resp: 214529

Ion Ratio Lower Upper

91 100

92 54.8 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 5.077 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033275.D

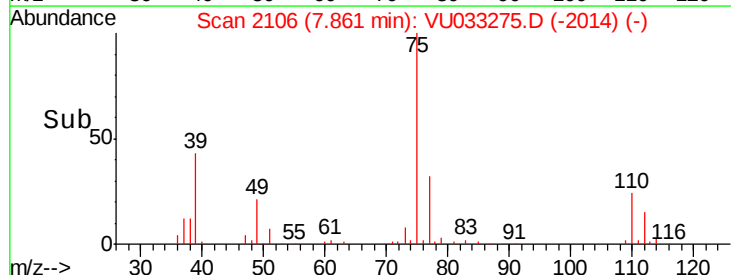
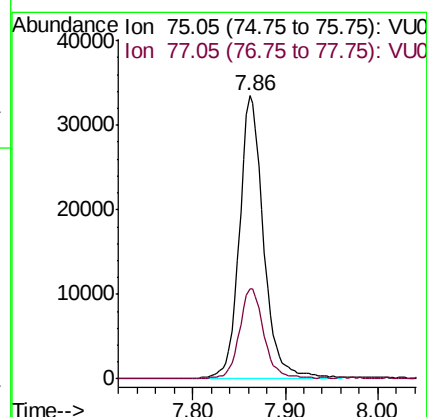
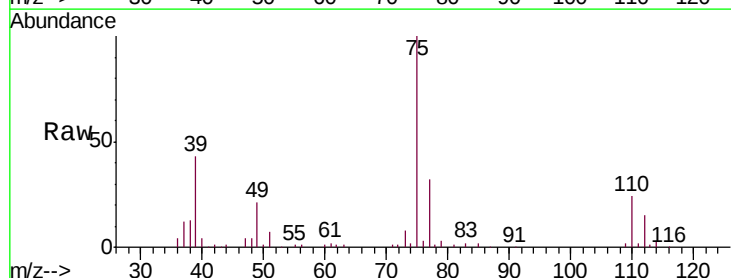
Acq: 16 Jul 2019 20:15

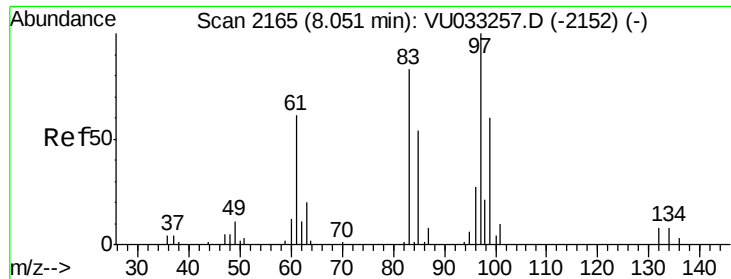
Tgt Ion: 75 Resp: 60762

Ion Ratio Lower Upper

75 100

77 32.1 21.6 40.0

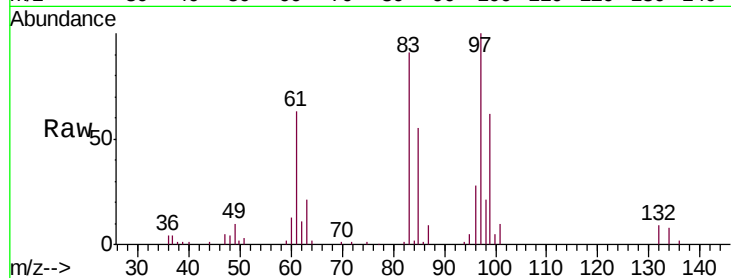




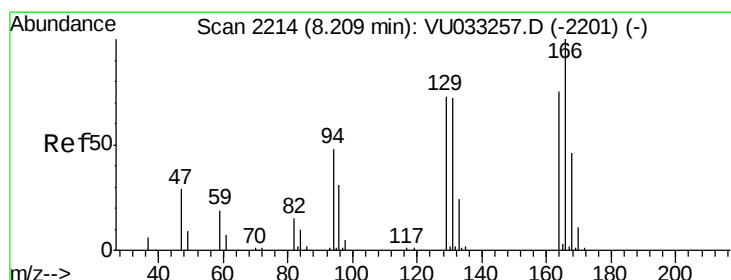
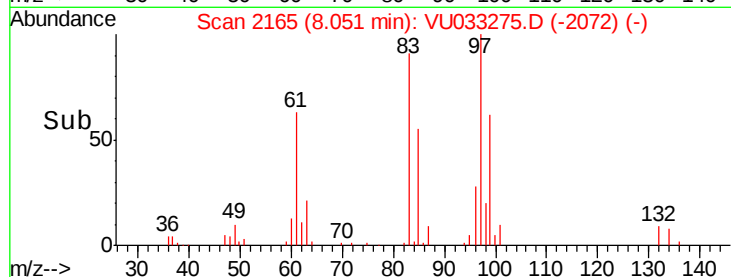
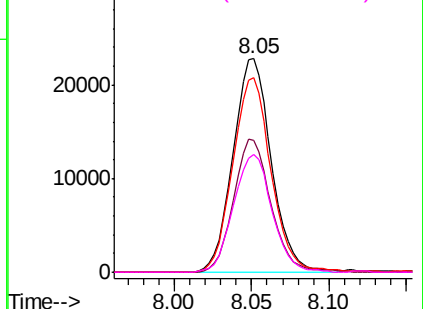
#45
 1,1,2-Trichloroethane
 Concen: 5.295 ug/L
 RT: 8.05 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VU033275.D
 Acq: 16 Jul 2019 20:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tgt Ion:	97	Resp:	39279
Ion	Ratio	Lower	Upper
97	100		
99	62.0	42.3	78.5
83	91.1	58.0	107.6
85	55.1	37.8	70.2

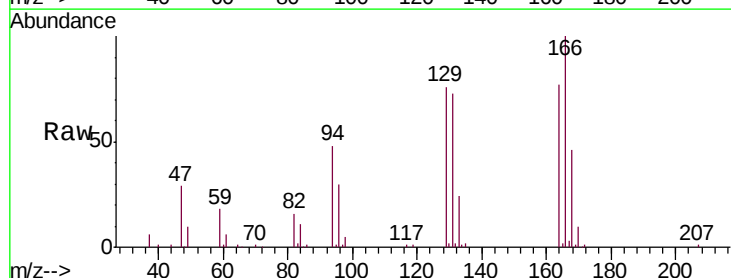


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

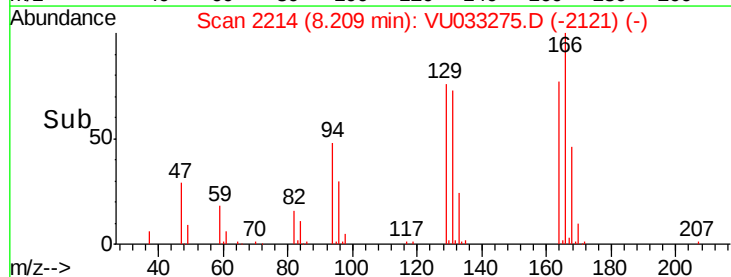
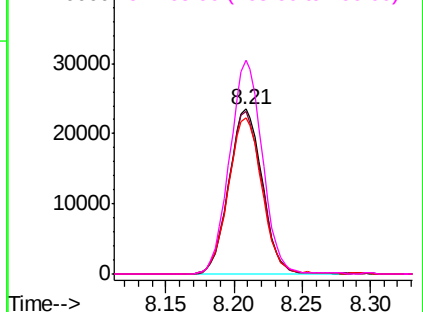


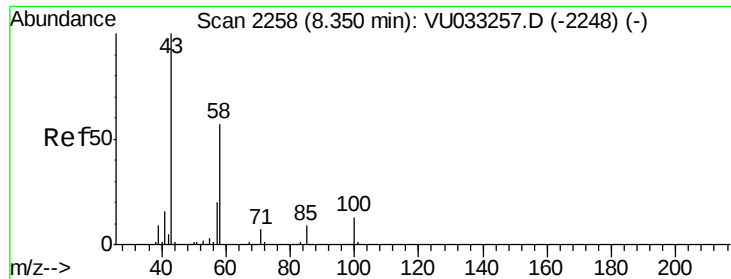
#47
 Tetrachloroethene
 Concen: 4.909 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VU033275.D
 Acq: 16 Jul 2019 20:15

Tgt Ion:	164	Resp:	39939
Ion	Ratio	Lower	Upper
164	100		
129	98.4	68.5	127.1
131	94.6	67.3	124.9
166	129.7	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

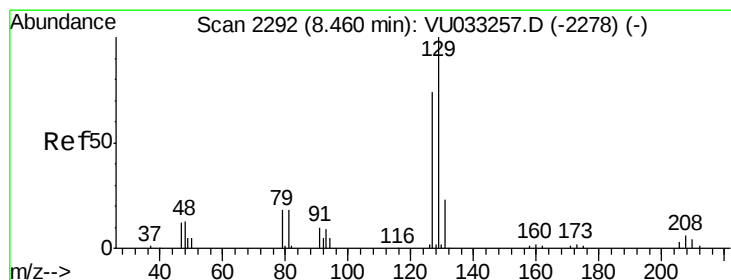
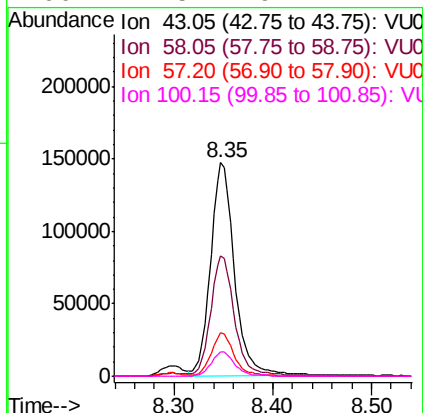
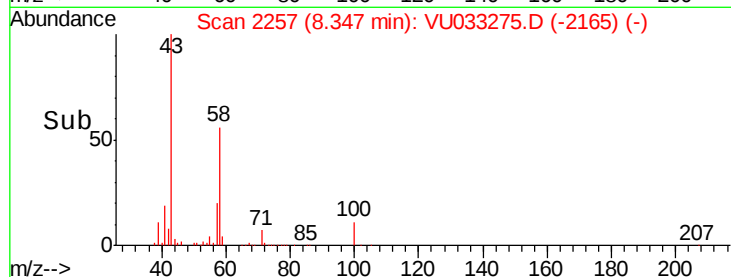
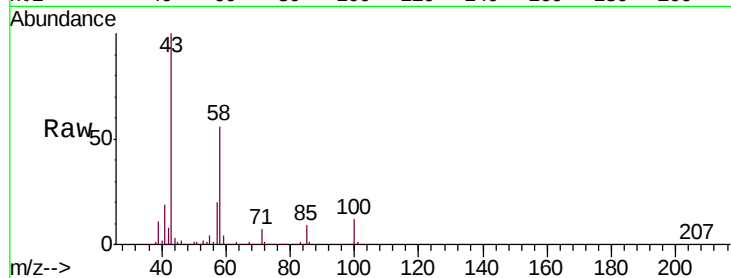




#48
2-Hexanone
Concen: 57.292 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. -0.00 min
Lab File: VU033275.D
Acq: 16 Jul 2019 20:15

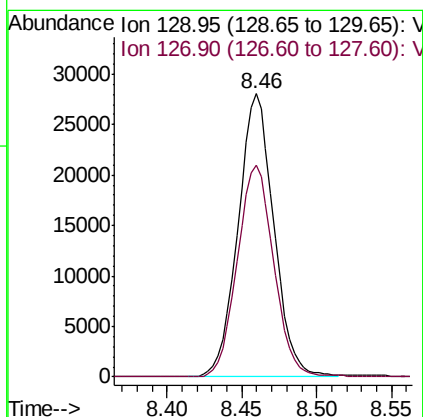
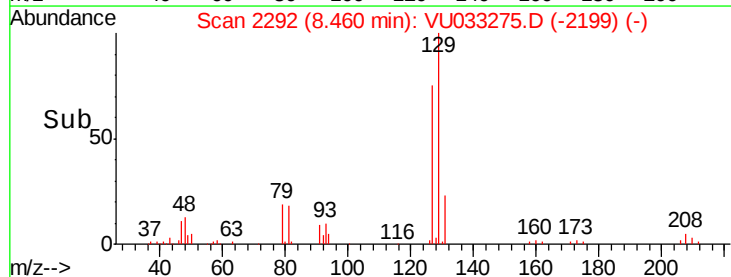
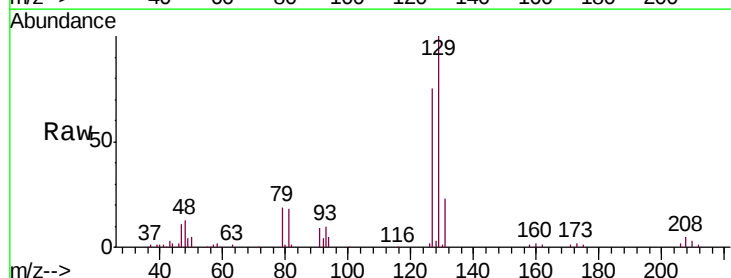
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

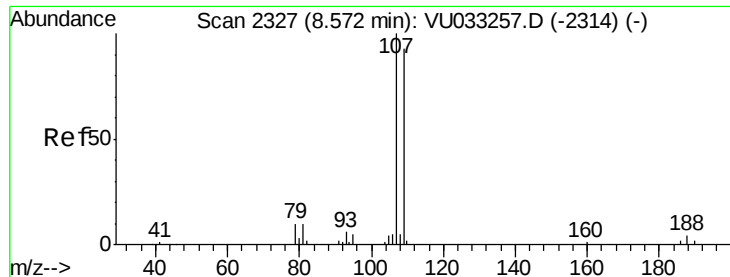
Tgt Ion: 43 Resp: 249126
Ion Ratio Lower Upper
43 100
58 55.7 44.1 66.1
57 19.1 15.8 23.8
100 11.5 9.4 14.2



#49
Dibromochloromethane
Concen: 5.216 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU033275.D
Acq: 16 Jul 2019 20:15

Tgt Ion: 129 Resp: 46599
Ion Ratio Lower Upper
129 100
127 74.7 51.9 96.5

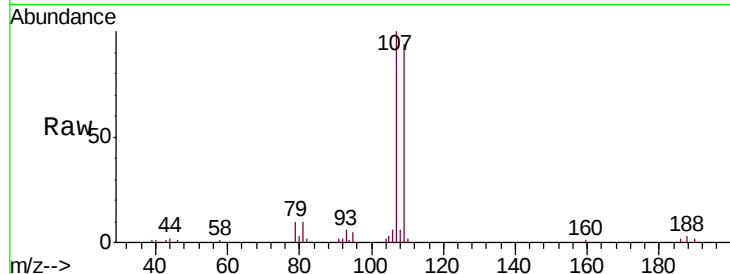




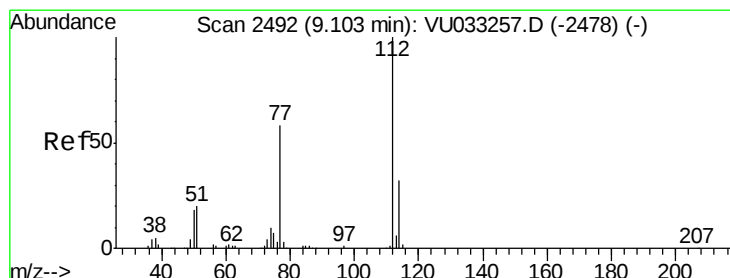
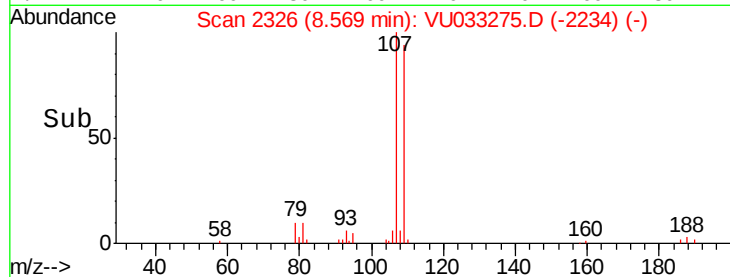
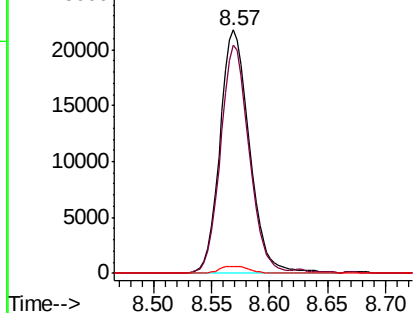
#50
 1,2-Dibromoethane
 Concen: 5.407 ug/L
 RT: 8.57 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU033275.D
 Acq: 16 Jul 2019 20:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tgt Ion:107 Resp: 38510
 Ion Ratio Lower Upper
 107 100
 109 93.9 64.8 120.4
 188 2.9 3.0 4.6#

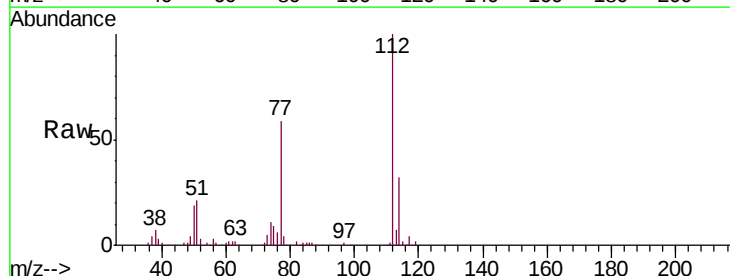


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

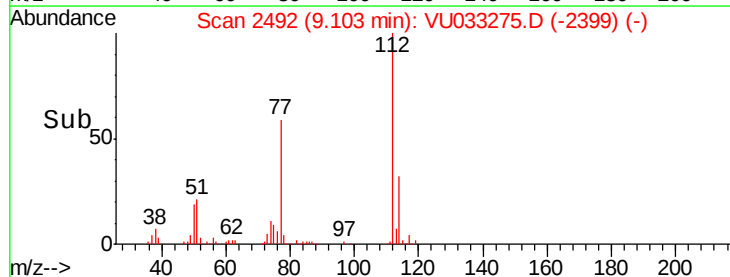
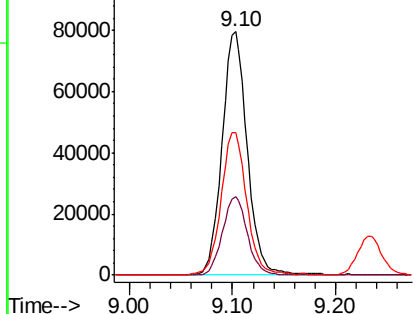


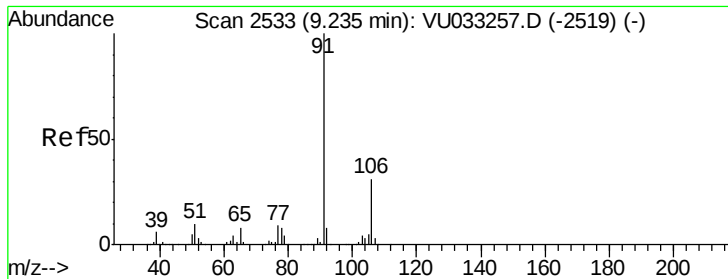
#51
 Chlorobenzene
 Concen: 4.993 ug/L
 RT: 9.10 min Scan# 2492
 Delta R.T. -0.00 min
 Lab File: VU033275.D
 Acq: 16 Jul 2019 20:15

Tgt Ion:112 Resp: 134996
 Ion Ratio Lower Upper
 112 100
 114 32.1 22.1 41.1
 77 58.8 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: 5.039 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. -0.00 min

Lab File: VU033275.D

Acq: 16 Jul 2019 20:15

Instrument :

MSVOA_U

ClientSampled :

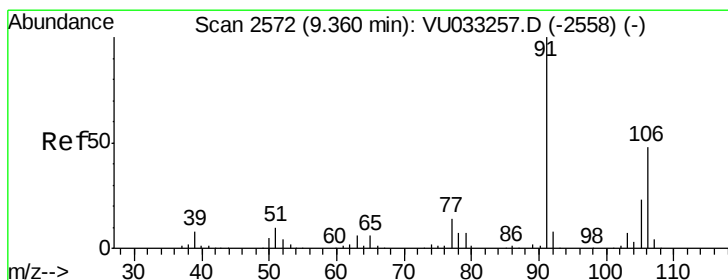
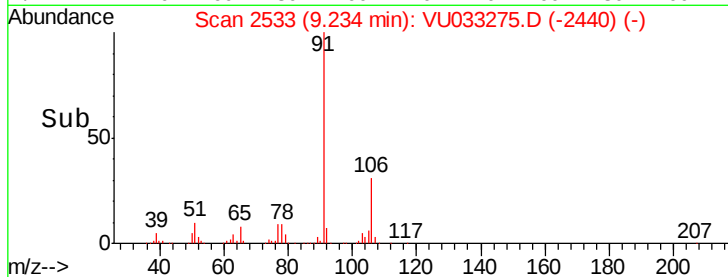
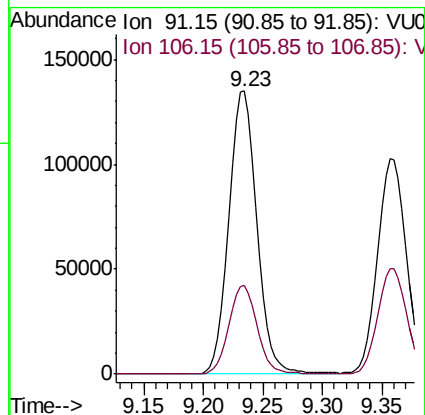
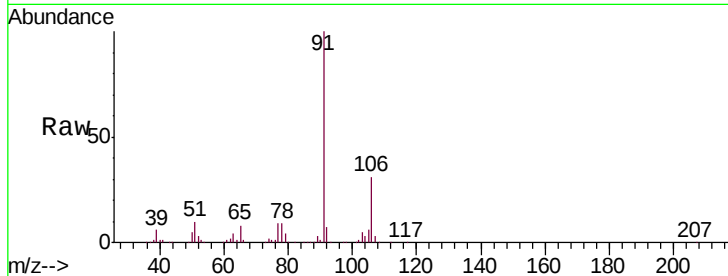
VSTD00514

Tgt Ion: 91 Resp: 221560

Ion Ratio Lower Upper

91 100

106 31.2 21.6 40.2



#53

m,p-Xylene

Concen: 5.135 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU033275.D

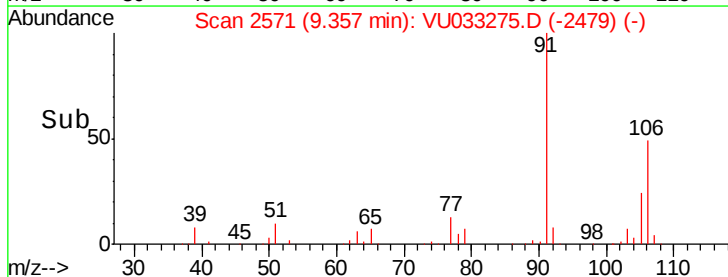
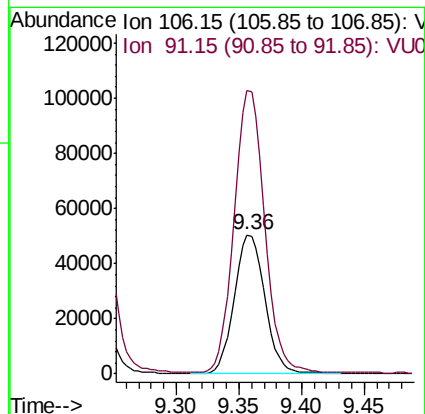
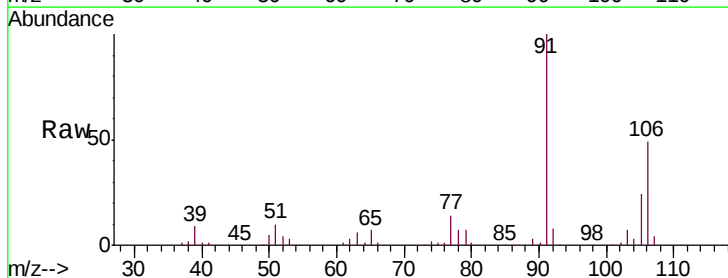
Acq: 16 Jul 2019 20:15

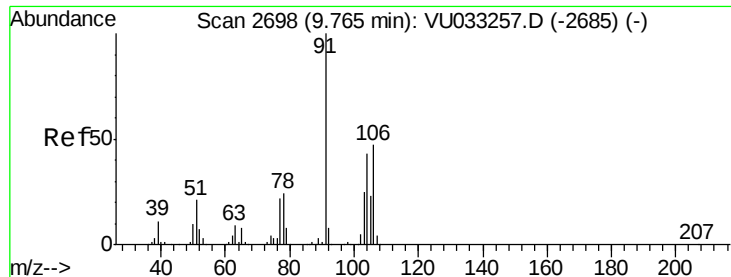
Tgt Ion: 106 Resp: 85291

Ion Ratio Lower Upper

106 100

91 203.6 147.6 274.0

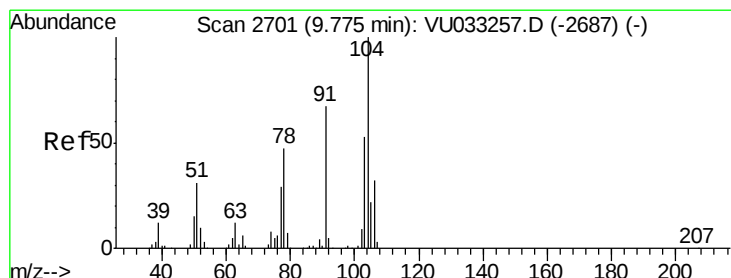
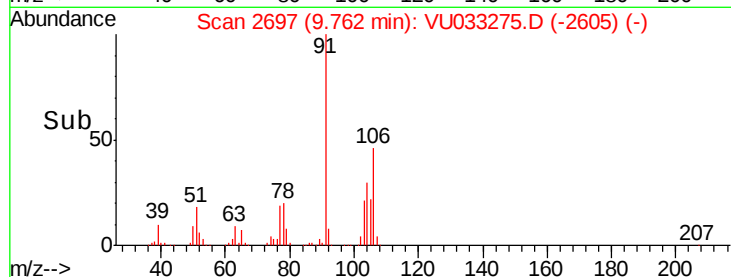
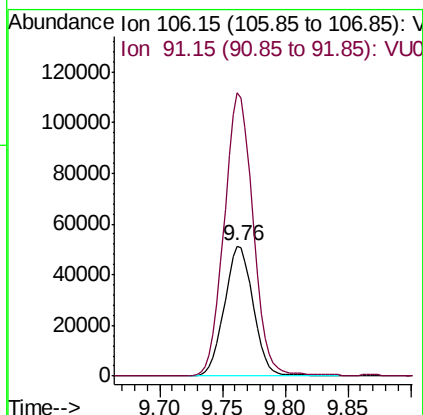
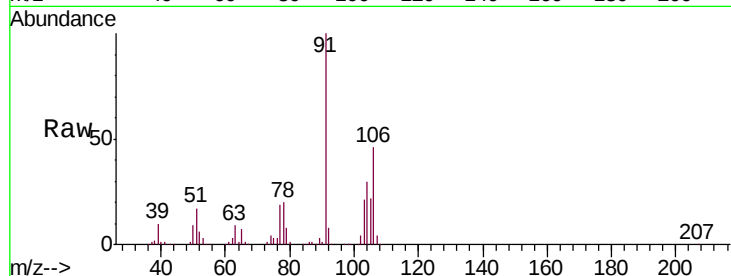




#54
o-Xylene
Concen: 5.186 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. -0.00 min
Lab File: VU033275.D
Acq: 16 Jul 2019 20:15

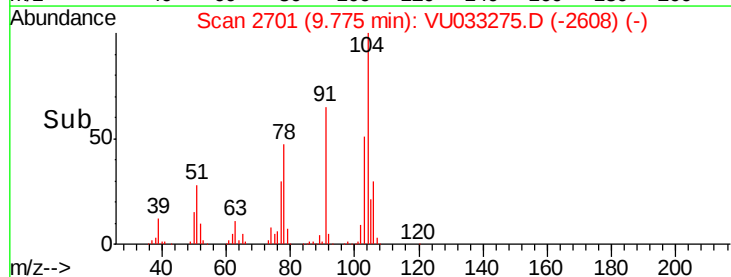
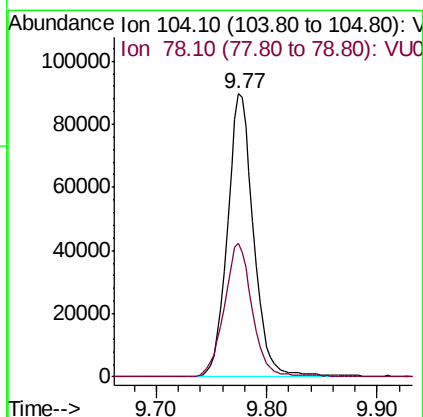
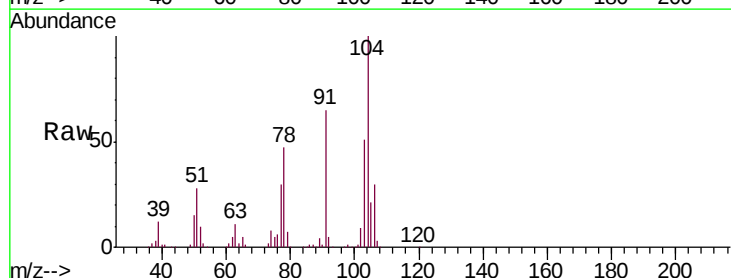
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

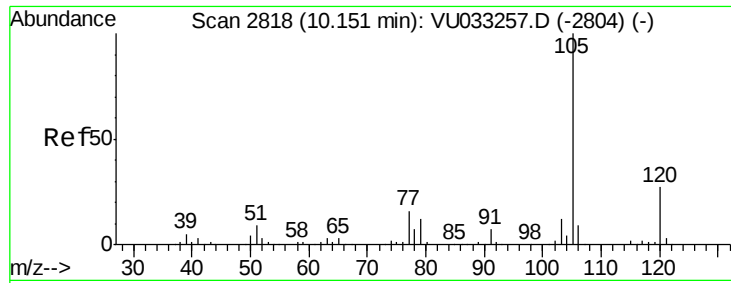
Tgt Ion:106 Resp: 82127
Ion Ratio Lower Upper
106 100
91 217.7 148.5 275.7



#55
Styrene
Concen: 5.347 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU033275.D
Acq: 16 Jul 2019 20:15

Tgt Ion:104 Resp: 147571
Ion Ratio Lower Upper
104 100
78 47.0 32.8 60.8





#56

Isopropylbenzene

Concen: 5.090 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033275.D

Acq: 16 Jul 2019 20:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

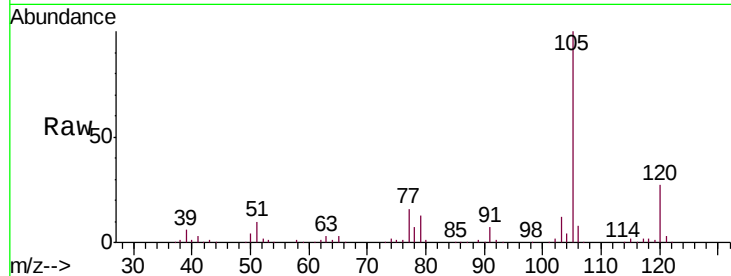
Tgt Ion: 105 Resp: 214275

Ion Ratio Lower Upper

105 100

120 26.1 21.3 31.9

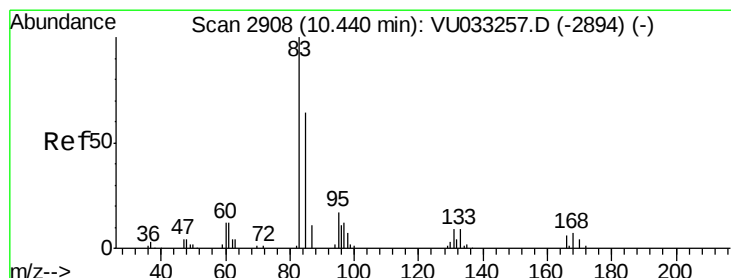
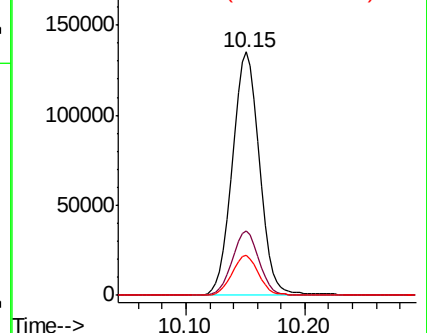
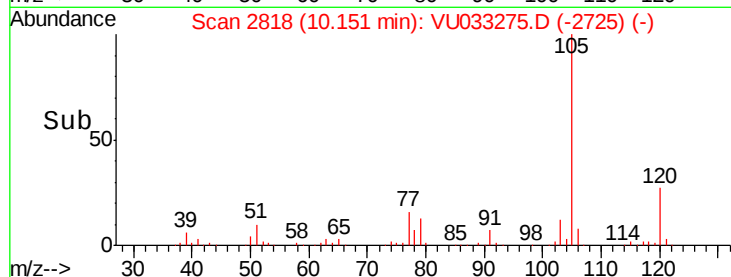
77 16.2 13.0 19.4



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: 5.475 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033275.D

Acq: 16 Jul 2019 20:15

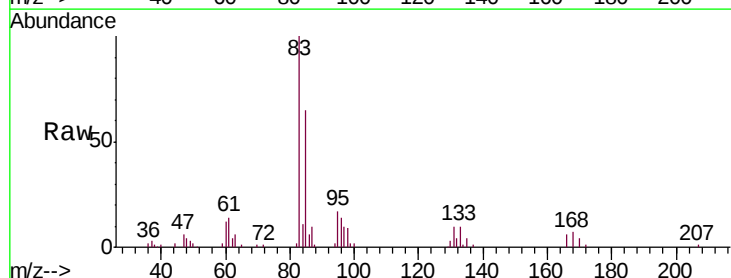
Tgt Ion: 83 Resp: 51997

Ion Ratio Lower Upper

83 100

85 65.1 44.6 82.8

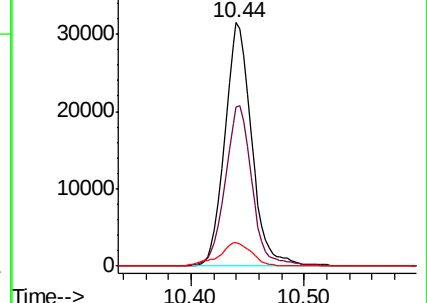
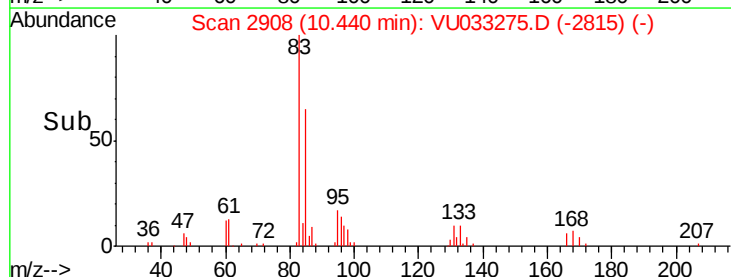
131 9.8 7.4 11.2

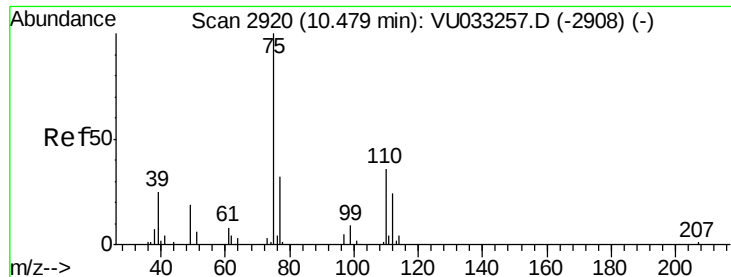


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.488 ug/L

RT: 10.48 min Scan# 2920

Delta R.T. -0.00 min

Lab File: VU033275.D

Acq: 16 Jul 2019 20:15

Instrument :

MSVOA_U

ClientSampleId :

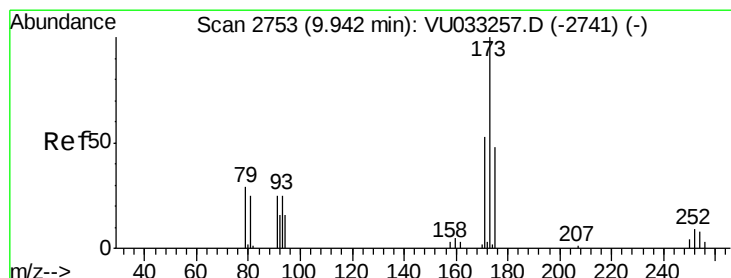
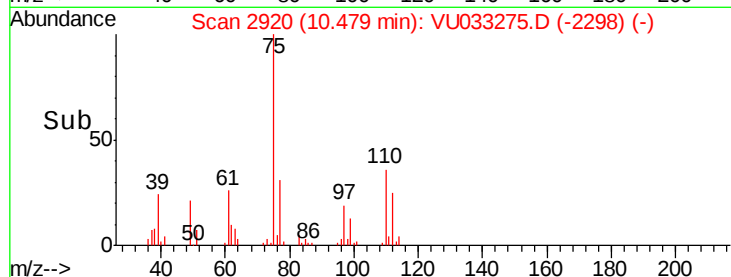
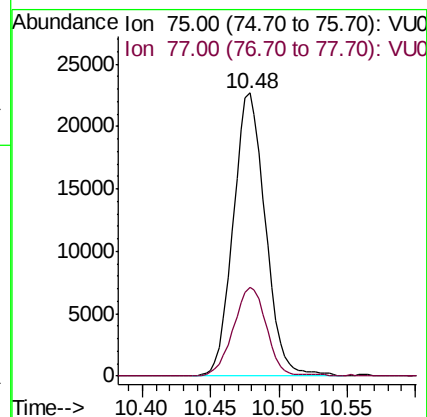
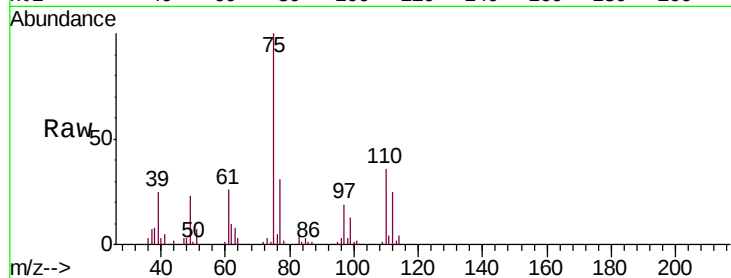
VSTD00514

Tgt Ion: 75 Resp: 37132

Ion Ratio Lower Upper

75 100

77 32.2 26.5 39.7



#61

Bromoform

Concen: 5.777 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU033275.D

Acq: 16 Jul 2019 20:15

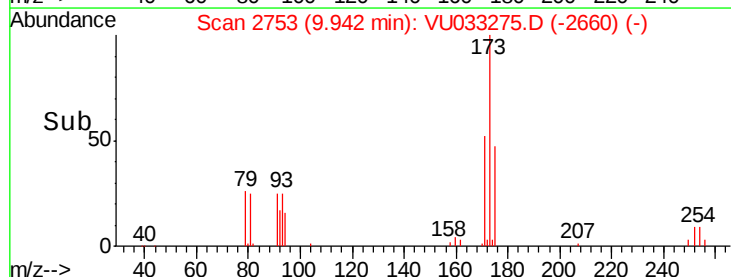
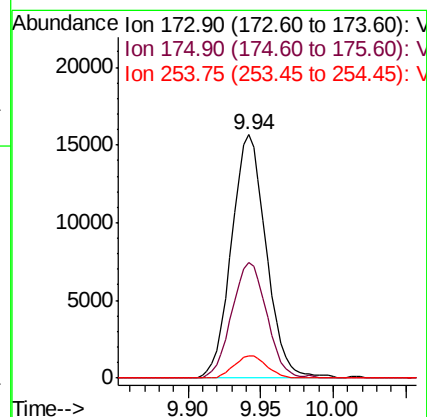
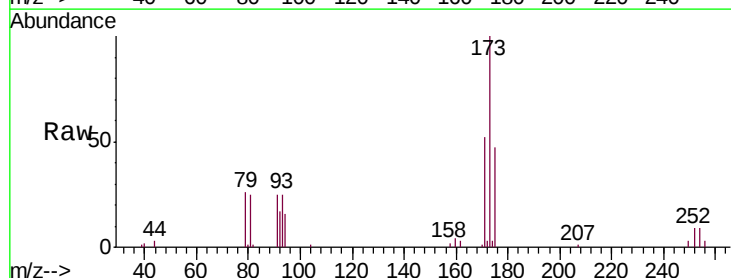
Tgt Ion: 173 Resp: 26025

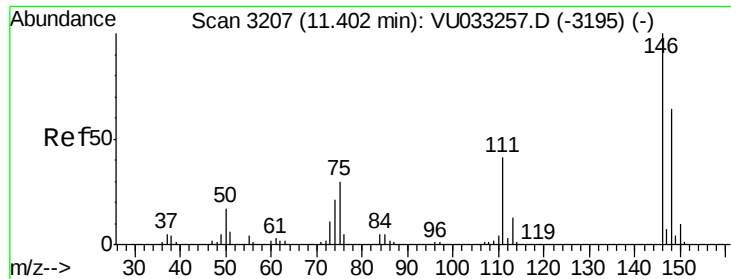
Ion Ratio Lower Upper

173 100

175 48.0 37.2 55.8

254 8.3 6.6 9.8





#62

1,3-Dichlorobenzene

Concen: 5.160 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU033275.D

Acq: 16 Jul 2019 20:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

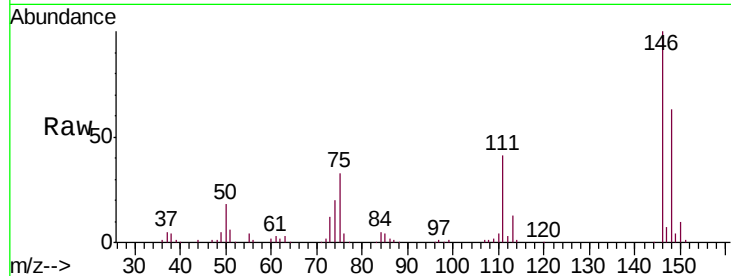
Tgt Ion:146 Resp: 101014

Ion Ratio Lower Upper

146 100

111 40.7 28.6 53.2

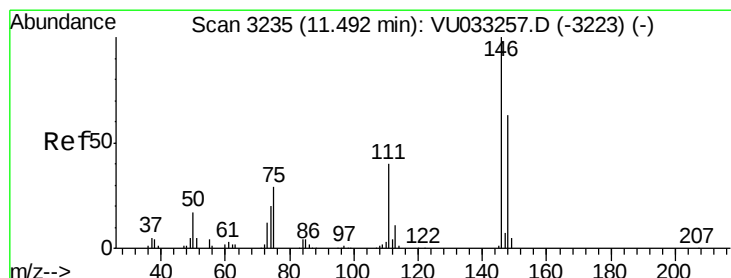
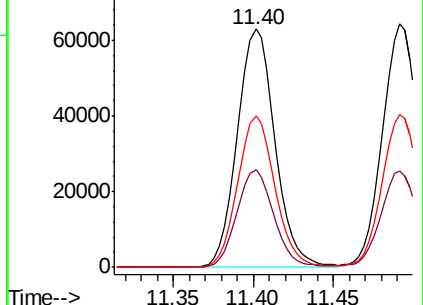
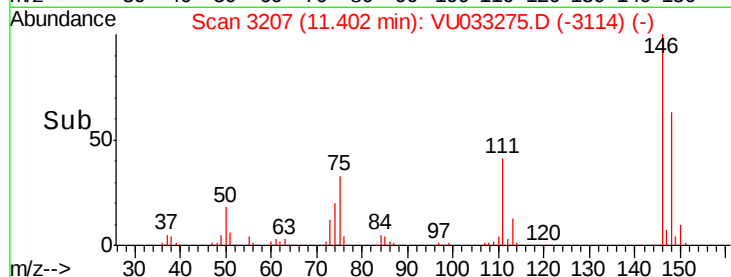
148 63.4 45.0 83.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.105 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU033275.D

Acq: 16 Jul 2019 20:15

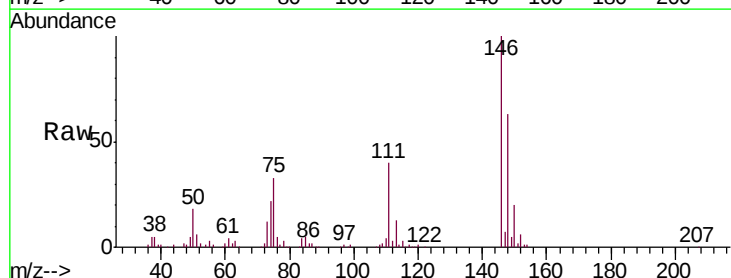
Tgt Ion:146 Resp: 105232

Ion Ratio Lower Upper

146 100

111 39.8 27.9 51.7

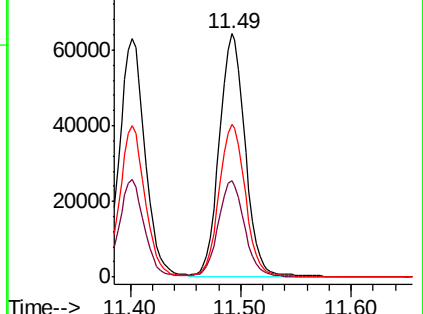
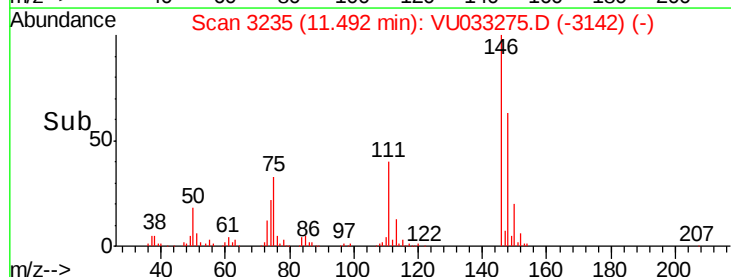
148 62.7 44.1 81.9

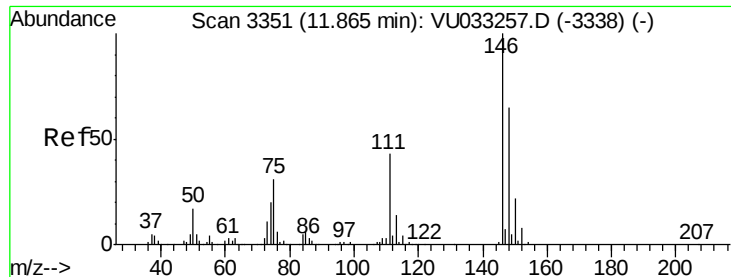


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

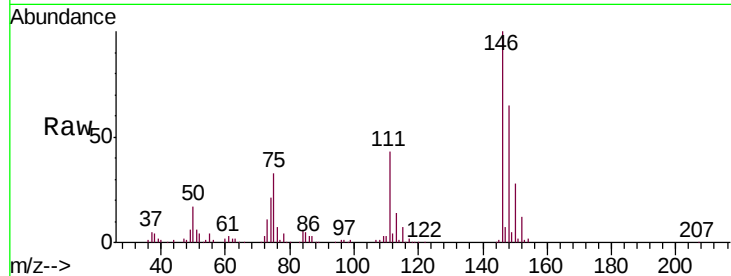




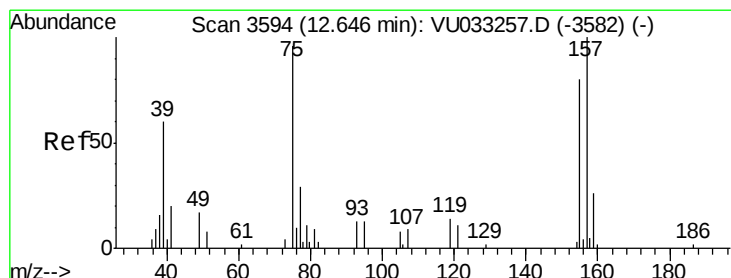
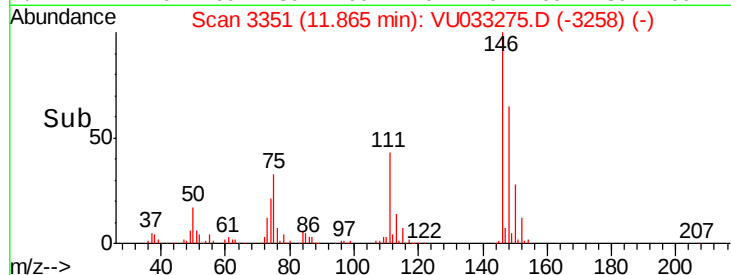
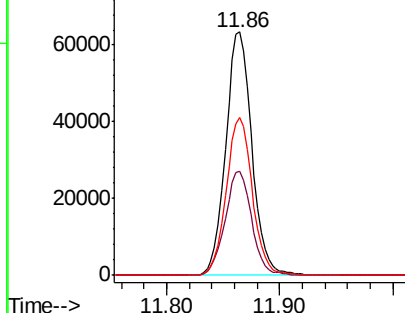
#65
 1,2-Dichlorobenzene
 Concen: 5.260 ug/L
 RT: 11.86 min Scan# 3351
 Delta R.T. -0.00 min
 Lab File: VU033275.D
 Acq: 16 Jul 2019 20:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tgt Ion: 146 Resp: 102225
 Ion Ratio Lower Upper
 146 100
 111 42.7 34.2 51.4
 148 64.8 52.0 78.0

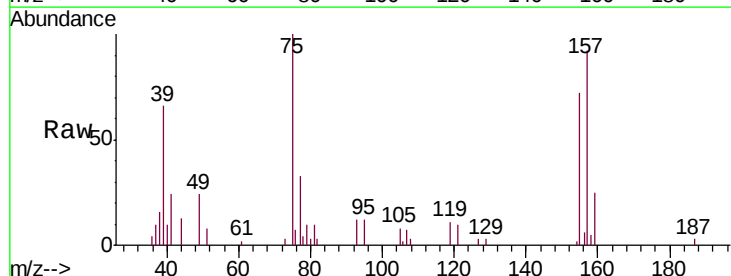


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

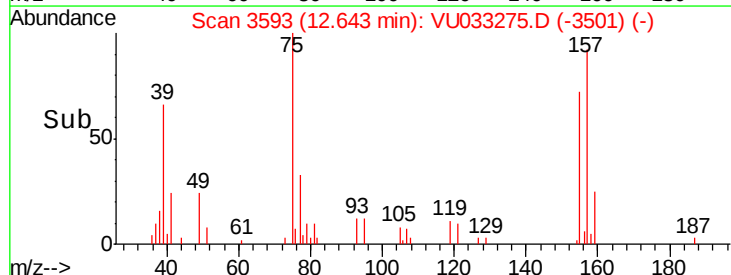
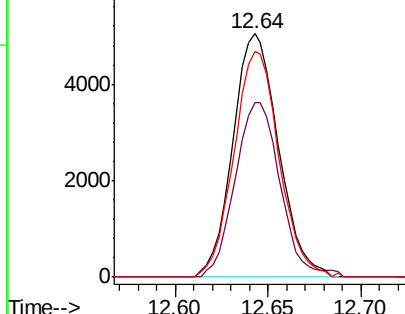


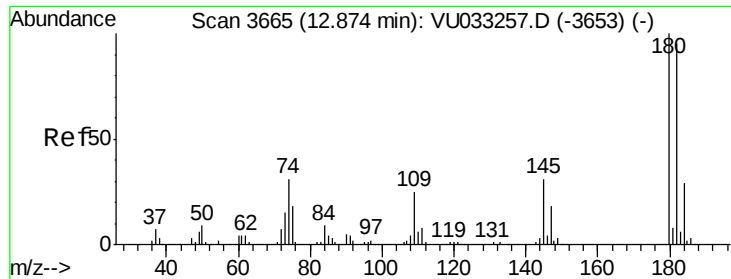
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.857 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. -0.00 min
 Lab File: VU033275.D
 Acq: 16 Jul 2019 20:15

Tgt Ion: 75 Resp: 8615
 Ion Ratio Lower Upper
 75 100
 155 71.5 67.1 100.7
 157 92.4 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

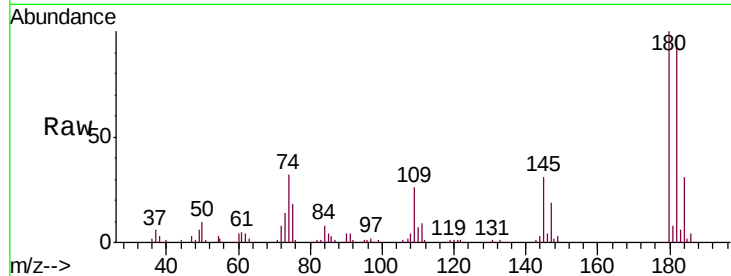




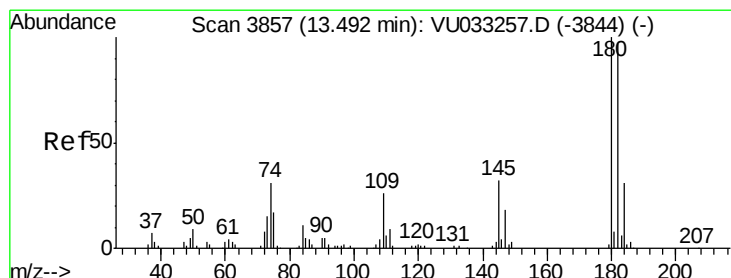
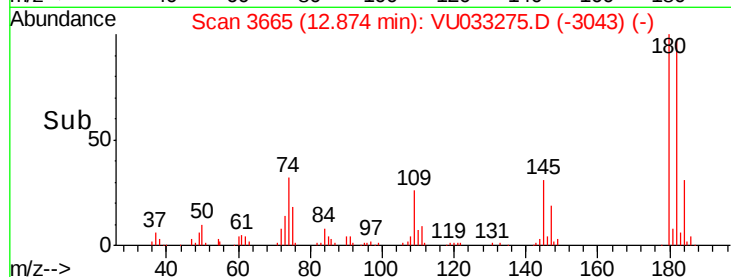
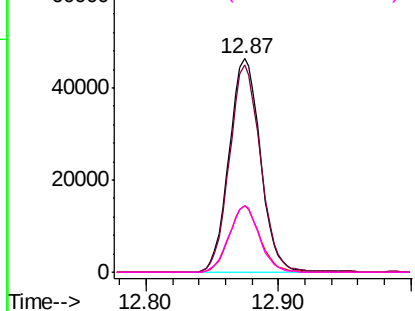
#67
 1,3,5-Trichlorobenzene
 Concen: 4.949 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. -0.00 min
 Lab File: VU033275.D
 Acq: 16 Jul 2019 20:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tgt Ion:	180	Resp:	76134
Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.0	114.0
184	30.4	24.2	36.2
145	30.1	24.6	37.0

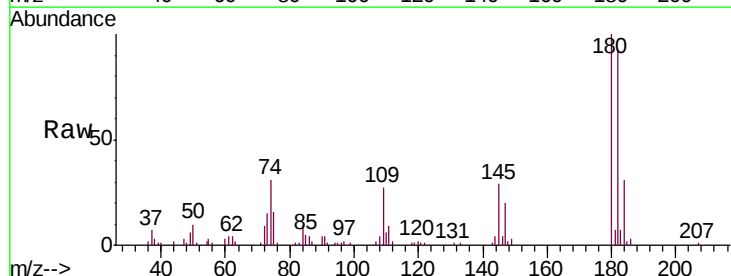


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

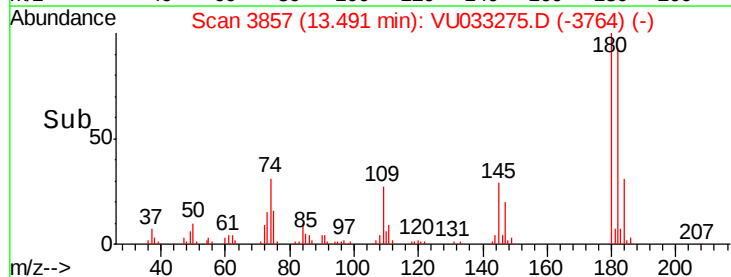
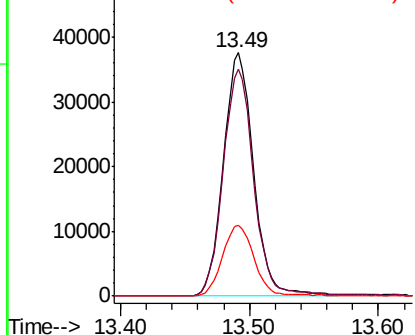


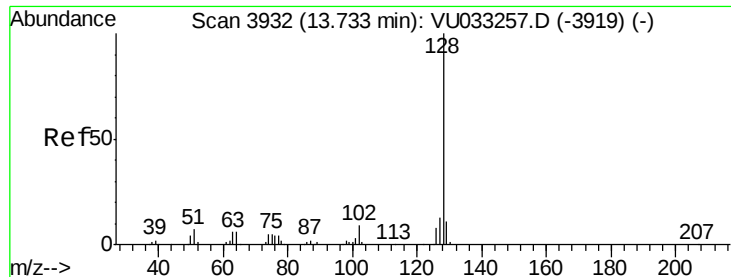
#68
 1,2,4-trichlorobenzene
 Concen: 4.921 ug/L
 RT: 13.49 min Scan# 3857
 Delta R.T. -0.00 min
 Lab File: VU033275.D
 Acq: 16 Jul 2019 20:15

Tgt Ion:	180	Resp:	61140
Ion	Ratio	Lower	Upper
180	100		
182	94.5	77.3	115.9
145	29.8	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: 4.954 ug/L

RT: 13.73 min Scan# 3932

Delta R.T. -0.00 min

Lab File: VU033275.D

Acq: 16 Jul 2019 20:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

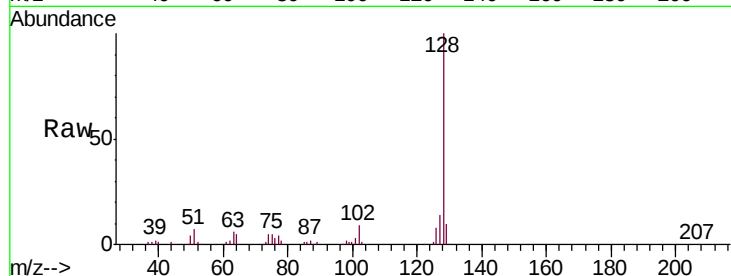
Tgt Ion:128 Resp: 104277

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

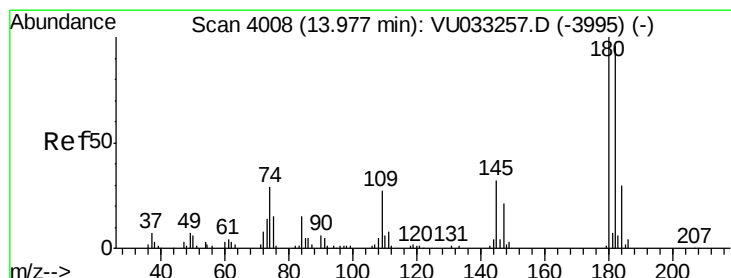
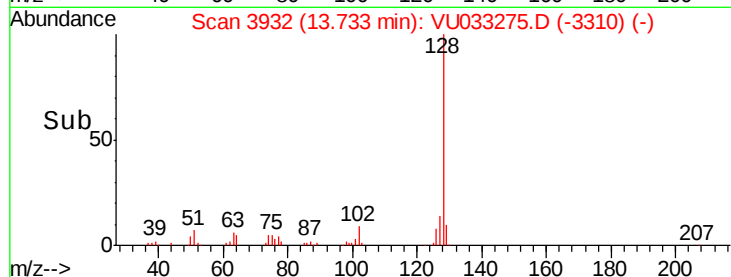
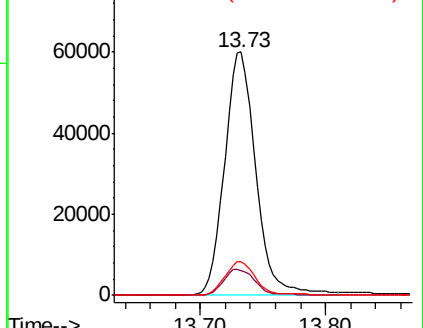
127 13.3 10.6 15.8



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: 5.254 ug/L

RT: 13.98 min Scan# 4008

Delta R.T. -0.00 min

Lab File: VU033275.D

Acq: 16 Jul 2019 20:15

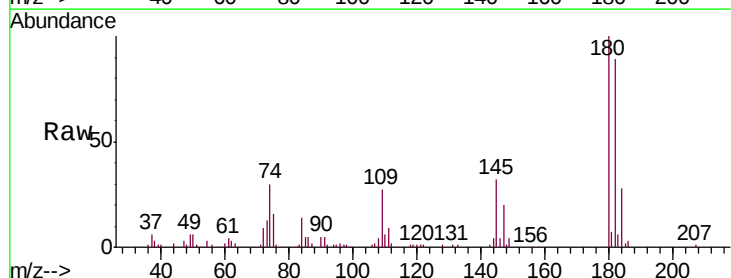
Tgt Ion:180 Resp: 61513

Ion Ratio Lower Upper

180 100

182 91.7 77.0 115.4

145 32.2 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

