

Data File : VU033467.D
Acq On : 29 Jul 2019 11:43
Operator : JC/SP
Sample : VSTD00533
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

Quant Time: Jul 30 03:44:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM072919W.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 30 03:41:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	294401	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	293304	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	140487	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	13164	4.85	ug/L	0.00
7) Chloroethane-d5	1.67	69	11249	5.02	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	25093	4.77	ug/L	0.00
21) 2-Butanone-d5	4.17	46	14049	8.78	ug/L	0.02
24) Chloroform-d	4.63	84	18952	4.62	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	13366	5.10	ug/L	0.00
32) Benzene-d6	5.32	84	37876	4.65	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	11585	4.57	ug/L	0.00
41) Toluene-d8	7.55	98	34367	4.45	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	5377	4.31	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	8026	7.38	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.42	84	18678	4.98	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.85	152	13842	5.27	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	16226	5.657 ug/L	99
3) Chloromethane	1.32	50	16796	5.794 ug/L	99
5) Vinyl chloride	1.40	62	18429	5.566 ug/L	98
6) Bromomethane	1.62	94	11698	5.624 ug/L	100
8) Chloroethane	1.69	64	11427	5.719 ug/L	96
9) Trichlorofluoromethane	1.87	101	24225	5.581 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	12301	5.442 ug/L	98
12) 1,1-Dichloroethene	2.27	96	12001	5.369 ug/L	86
13) Acetone	2.31	43	19592	13.184 ug/L	100
14) Carbon disulfide	2.46	76	36729	5.923 ug/L	99
15) Methyl Acetate	2.60	43	13686	5.778 ug/L	95
16) Methylene chloride	2.68	84	13349	5.728 ug/L	96
17) trans-1,2-Dichloroethene	2.96	96	12080	5.878 ug/L	97
18) Methyl tert-butyl Ether	2.98	73	31477	4.983 ug/L	97
19) 1,1-Dichloroethane	3.42	63	22167	5.527 ug/L	93
20) cis-1,2-Dichloroethene	4.21	96	12558	5.401 ug/L	92
22) 2-Butanone	4.24	43	19235	10.536 ug/L	93
23) Bromochloromethane	4.53	128	6886	5.683 ug/L	99
25) Chloroform	4.65	83	23599	5.589 ug/L	98
27) 1,2-Dichloroethane	5.38	62	18479	5.636 ug/L	97
29) Cyclohexane	4.97	56	15511	4.717 ug/L	94
30) 1,1,1-Trichloroethane	4.89	97	19430	5.669 ug/L	98
31) Carbon tetrachloride	5.11	117	17420	5.702 ug/L	97
33) Benzene	5.37	78	47421	5.396 ug/L	100
34) Trichloroethene	6.17	95	12893	5.754 ug/L	96
35) Methylcyclohexane	6.39	83	18058	5.303 ug/L	96
37) 1,2-Dichloropropane	6.41	63	12873	5.539 ug/L	99
38) Bromodichloromethane	6.74	83	17529	5.825 ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	16602	4.589 ug/L	97
40) 4-Methyl-2-pentanone	7.44	43	31600	10.061 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	47085	4.881	ug/L	97
44) trans-1,3-Dichloropropene	7.86	75	15919	4.926	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	12180	5.489	ug/L	99
46) Tetrachloroethene	8.21	164	10356	5.808	ug/L	95
48) 2-Hexanone	8.35	43	26021	10.089	ug/L	97
49) Dibromochloromethane	8.46	129	12902	5.136	ug/L	99
50) 1,2-Dibromoethane	8.57	107	13025	5.378	ug/L #	99
51) Chlorobenzene	9.10	112	33966	5.508	ug/L	97
52) Ethylbenzene	9.23	91	51562	5.001	ug/L	99
53) m,p-Xylene	9.36	106	18299	4.605	ug/L	99
54) o-xylene	9.76	106	17713	4.611	ug/L	99
55) Styrene	9.78	104	28322	4.255	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.44	83	22247	5.780	ug/L #	99
59) Bromoform	9.94	173	9490	5.630	ug/L	98
60) 1,2,3-Trichloropropane	10.48	75	17085	6.260	ug/L	97
61) Isopropylbenzene	10.15	105	45681	5.089	ug/L	99
62) 1,3,5-Trimethylbenzene	10.76	105	32281	4.298	ug/L	98
63) 1,2,4-Trimethylbenzene	11.13	105	31107	4.111	ug/L	99
64) 1,3-Dichlorobenzene	11.40	146	26091	6.000	ug/L	98
65) 1,4-Dichlorobenzene	11.49	146	28469	6.486	ug/L	97
67) 1,2-Dichlorobenzene	11.86	146	25731	5.811	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.65	75	4429	5.723	ug/L	89
69) 1,3,5-Trichlorobenzene	12.88	180	20183	6.147	ug/L	99
70) 1,2,4-trichlorobenzene	13.49	180	15198	5.502	ug/L	100
71) Naphthalene	13.73	128	42837	5.085	ug/L	97
72) 1,2,3-Trichlorobenzene	13.98	180	16382	5.472	ug/L	96

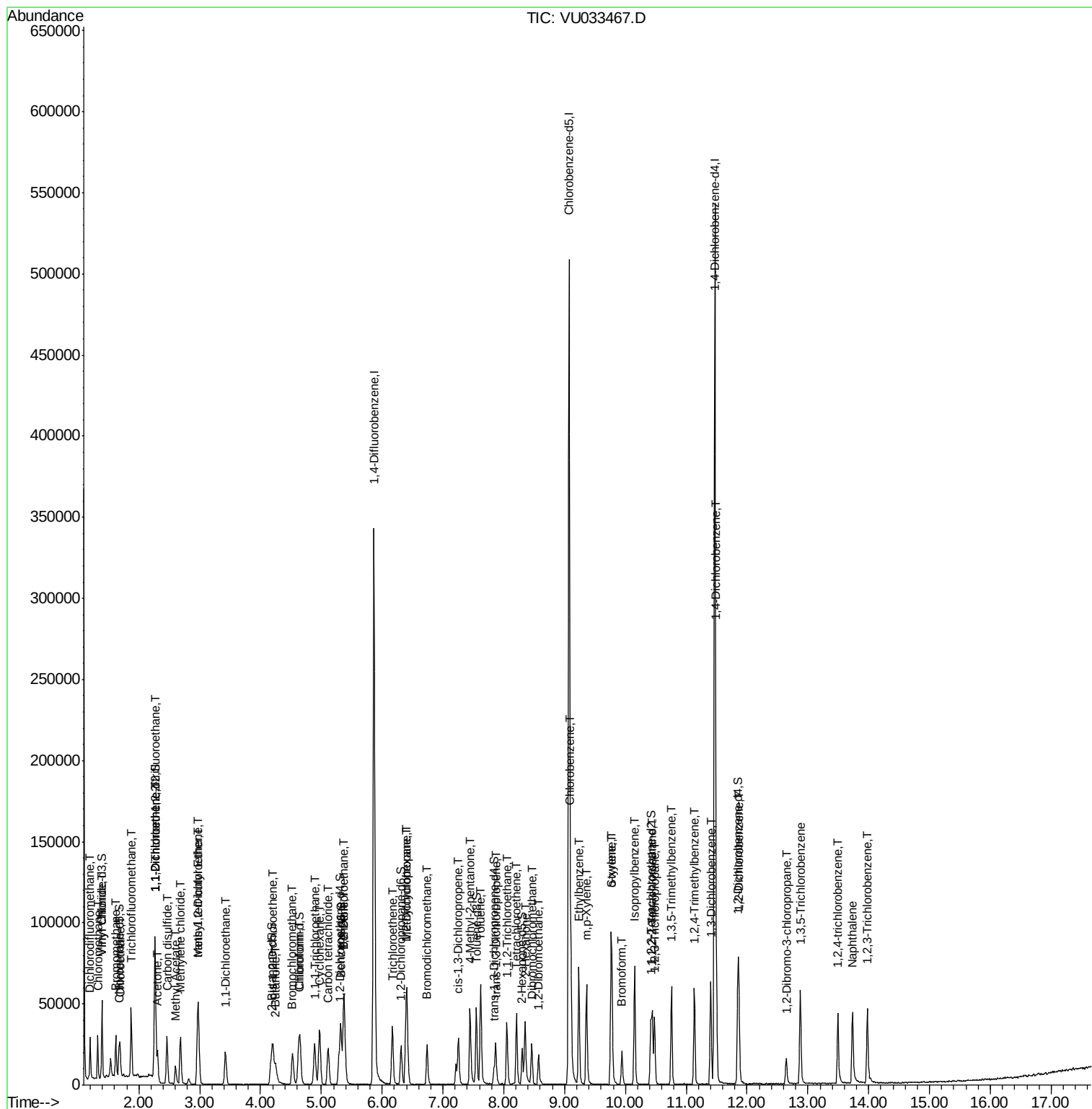
(#) = qualifier out of range (m) = manual integration (+) = signals summed

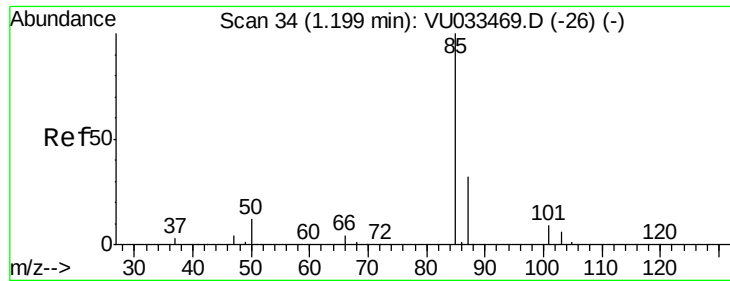
Data File : VU033467.D

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#2

Dichlorodifluoromethane

Concen: 5.657 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033467.D

Acq: 29 Jul 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

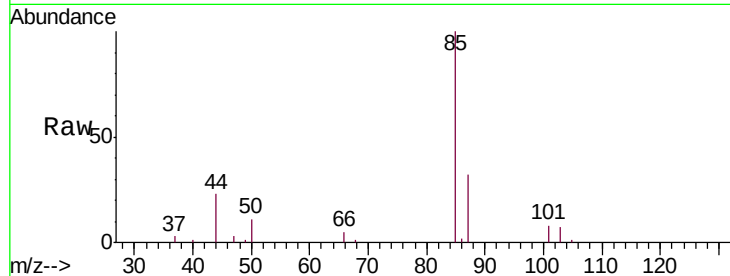
VSTD00533

Tgt Ion: 85 Resp: 16226

Ion Ratio Lower Upper

85 100

87 32.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU033467.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU033467.D (-1) (-)

1.20

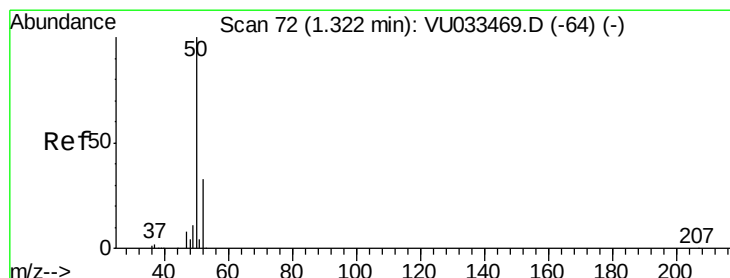
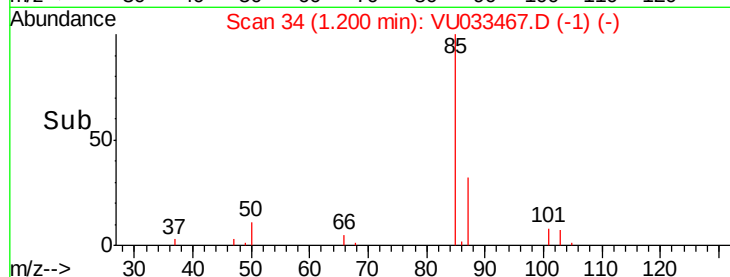
15000

10000

5000

0

Time-->



#3

Chloromethane

Concen: 5.794 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033467.D

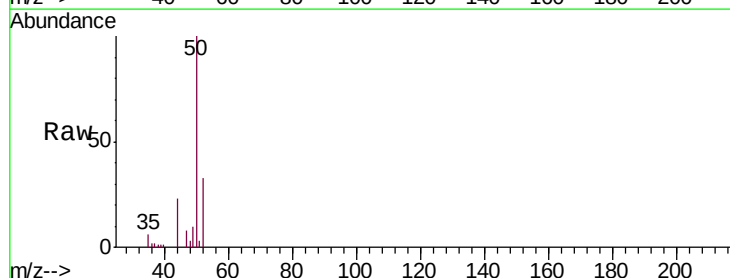
Acq: 29 Jul 2019 11:43

Tgt Ion: 50 Resp: 16796

Ion Ratio Lower Upper

50 100

52 32.5 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VU033467.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU033467.D (-1) (-)

1.32

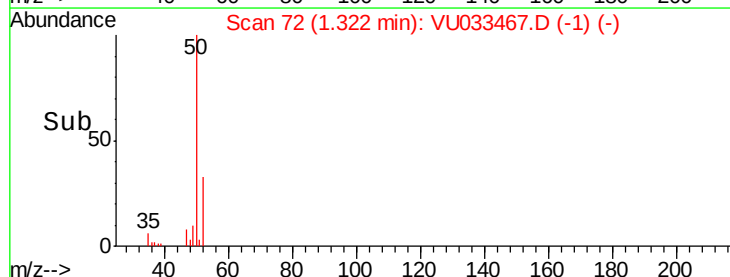
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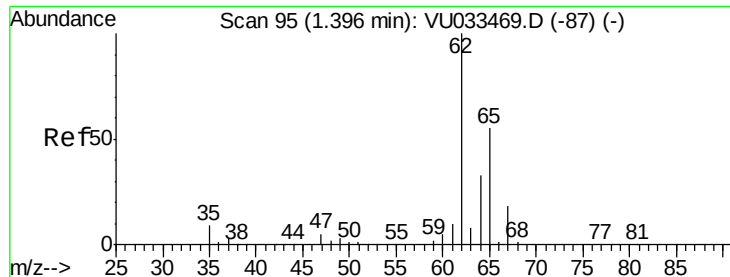
10000

5000

0

Time-->





#5

Vinyl chloride

Concen: 5.566 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033467.D

Acq: 29 Jul 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

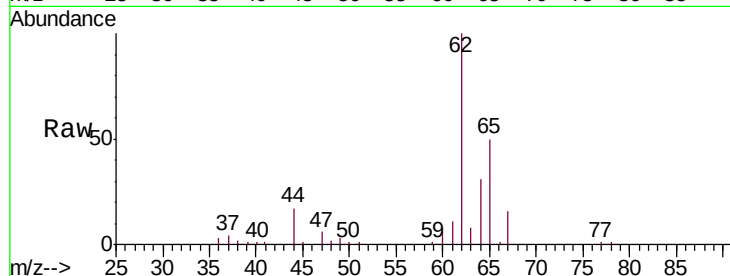
VSTD00533

Tgt Ion: 62 Resp: 18429

Ion Ratio Lower Upper

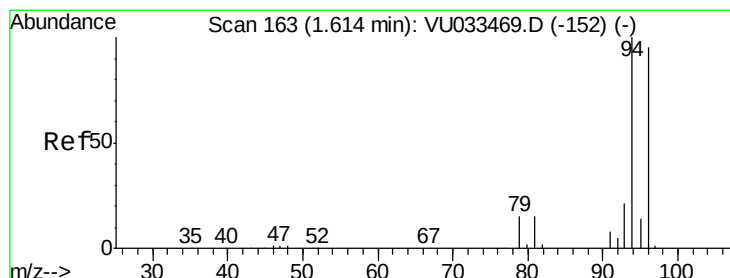
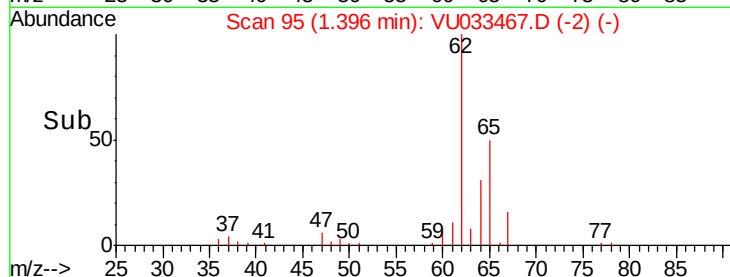
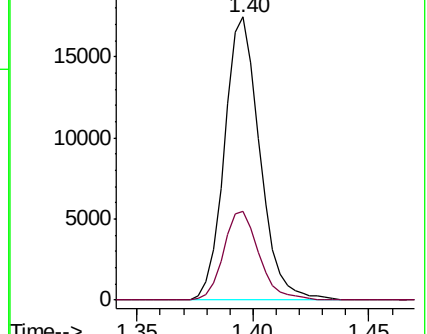
62 100

64 31.4 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 5.624 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU033467.D

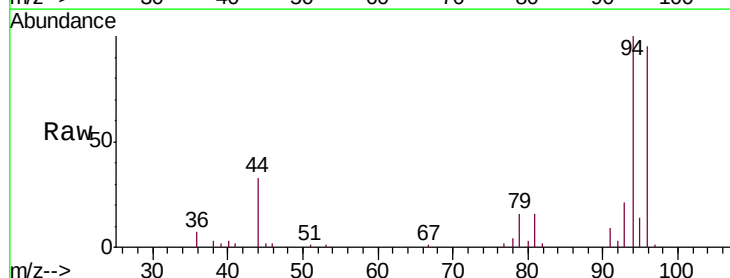
Acq: 29 Jul 2019 11:43

Tgt Ion: 94 Resp: 11698

Ion Ratio Lower Upper

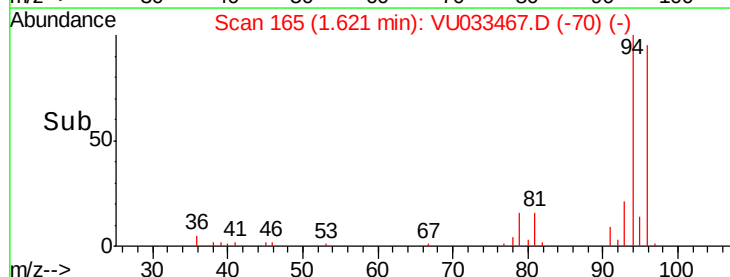
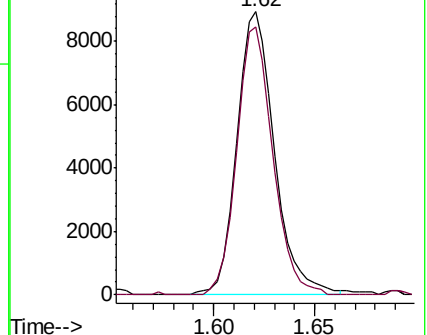
94 100

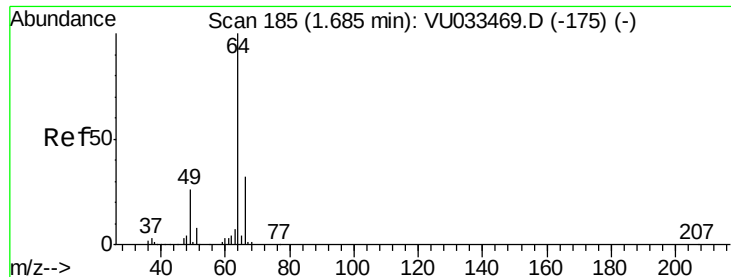
96 94.8 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 5.719 ug/L

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU033467.D

Acq: 29 Jul 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

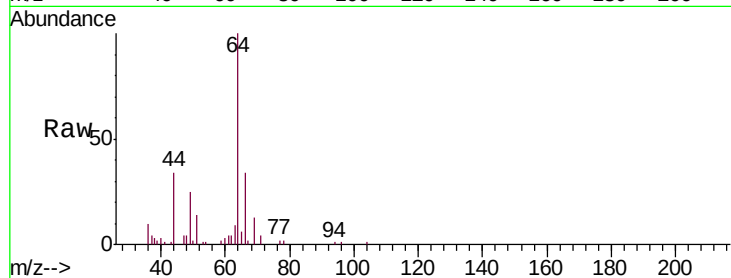
VSTD00533

Tgt Ion: 64 Resp: 11427

Ion Ratio Lower Upper

64 100

66 33.6 22.1 41.1



Abundance Ion 64.00 (63.70 to 64.70): VU033467.D (-175) (-)

Ion 66.00 (65.70 to 66.70): VU033467.D (-175) (-)

1.69

10000

8000

6000

4000

2000

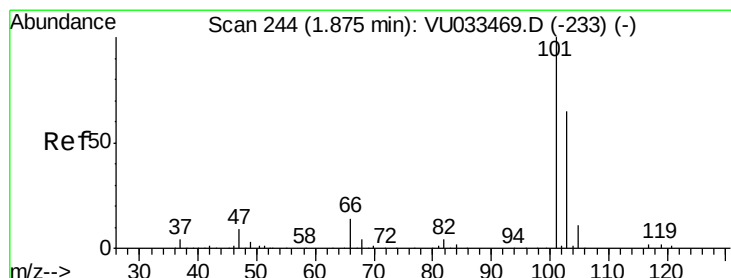
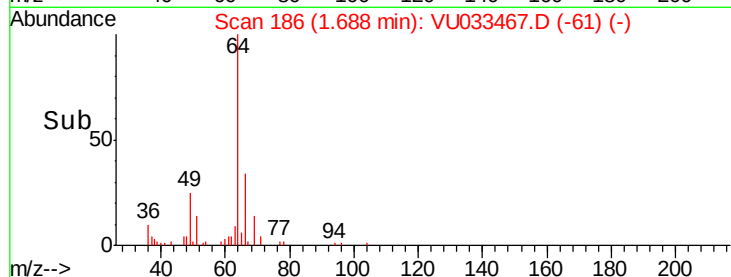
0

1.65

1.70

1.75

Time-->



#9

Trichlorofluoromethane

Concen: 5.581 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU033467.D

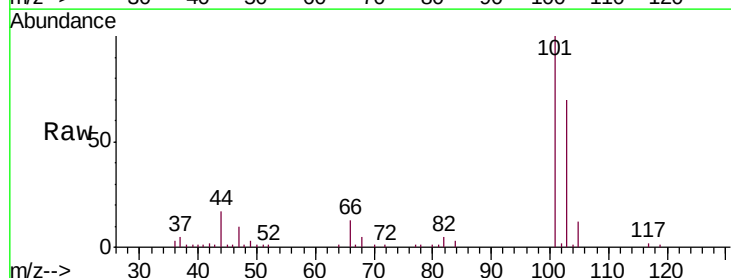
Acq: 29 Jul 2019 11:43

Tgt Ion: 101 Resp: 24225

Ion Ratio Lower Upper

101 100

103 67.3 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU033467.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU033467.D (-233) (-)

1.87

20000

15000

10000

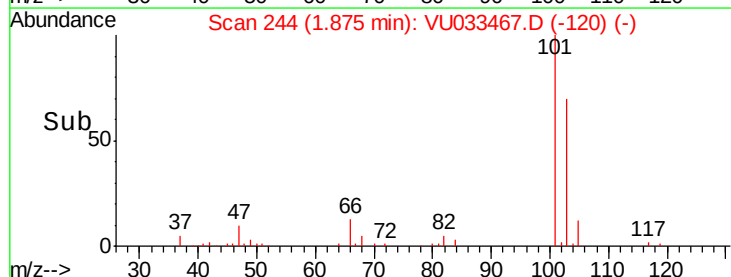
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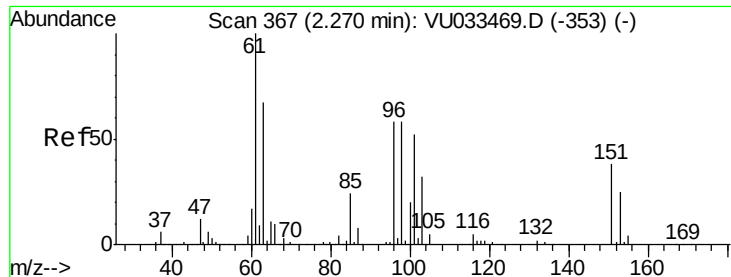
0

1.85

1.90

Time-->





#10

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

Concen: 5.442 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033467.D

Acq: 29 Jul 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD00533

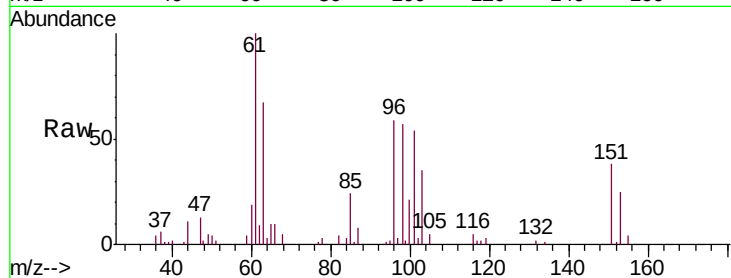
Tgt Ion: 101 Resp: 12301

Ion Ratio Lower Upper

101 100

85 42.6 35.8 53.8

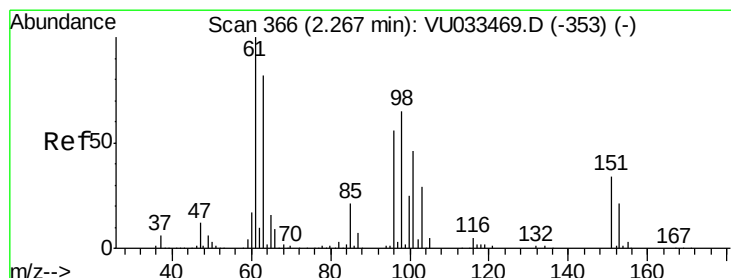
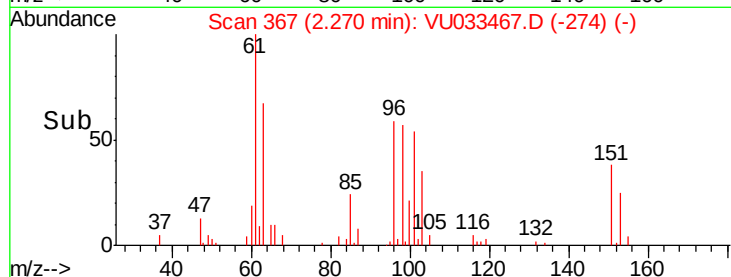
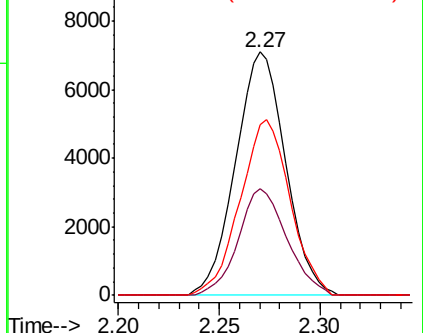
151 72.3 58.6 87.8



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: 5.369 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033467.D

Acq: 29 Jul 2019 11:43

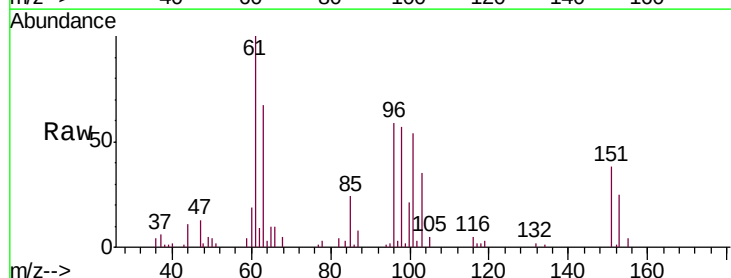
Tgt Ion: 96 Resp: 12001

Ion Ratio Lower Upper

96 100

61 169.8 124.1 230.5

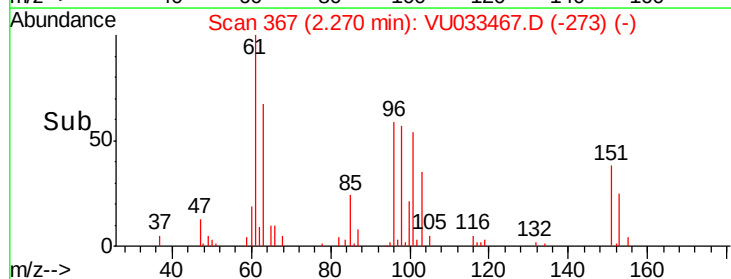
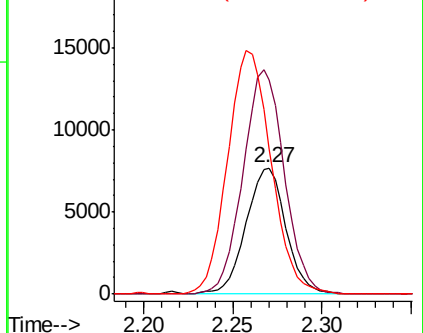
63 114.6 101.8 189.2

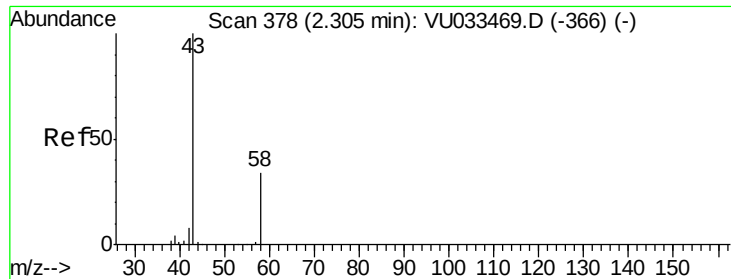


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 13.184 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

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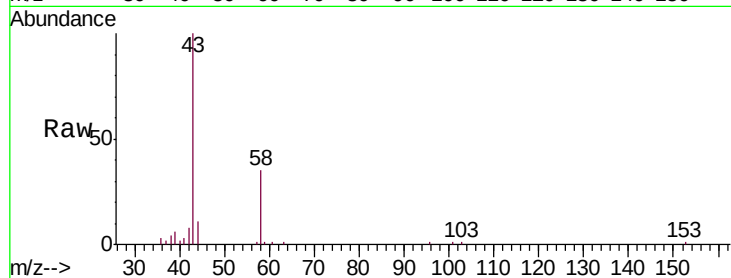
VSTD00533

Tgt Ion: 43 Resp: 19592

Ion Ratio Lower Upper

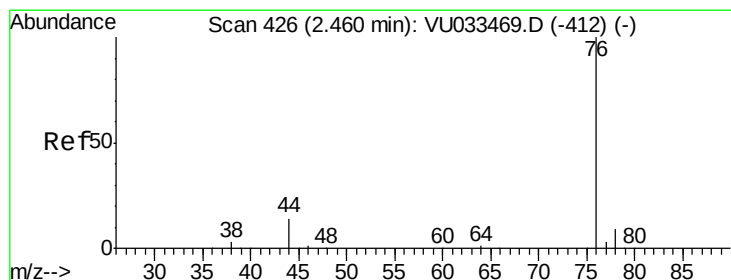
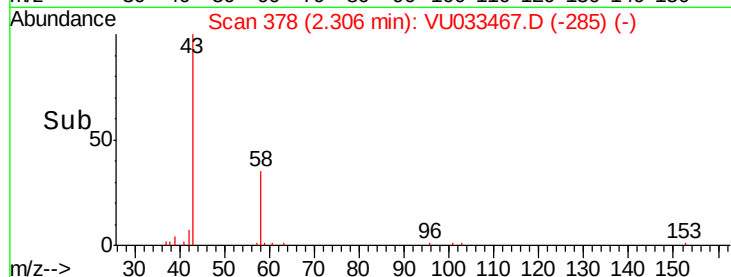
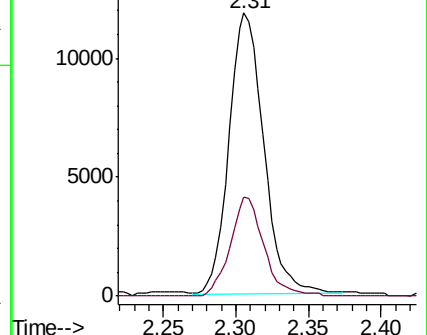
43 100

58 34.0 0.0 67.4



Abundance Ion 43.00 (42.70 to 43.70): VU033469.D (-366) (-)

Ion 58.00 (57.70 to 58.70): VU033469.D (-366) (-)



#14

Carbon disulfide

Concen: 5.923 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VU033467.D

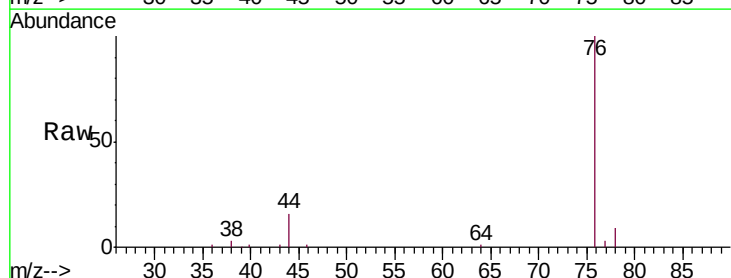
Acq: 29 Jul 2019 11:43

Tgt Ion: 76 Resp: 36729

Ion Ratio Lower Upper

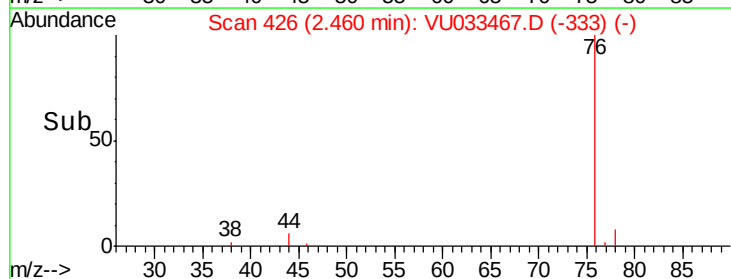
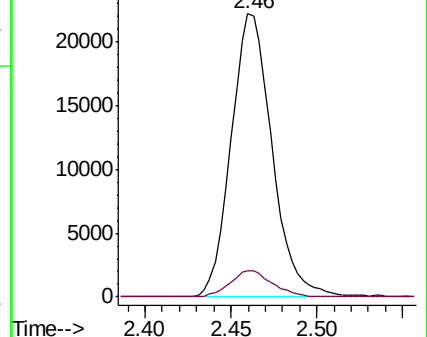
76 100

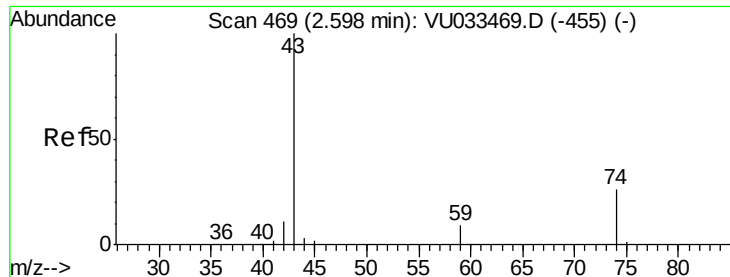
78 9.4 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU033469.D (-412) (-)

Ion 78.00 (77.70 to 78.70): VU033469.D (-412) (-)

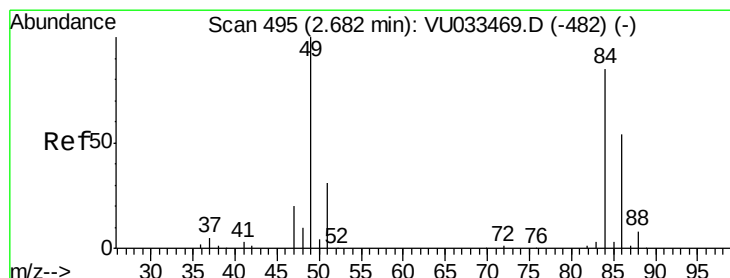
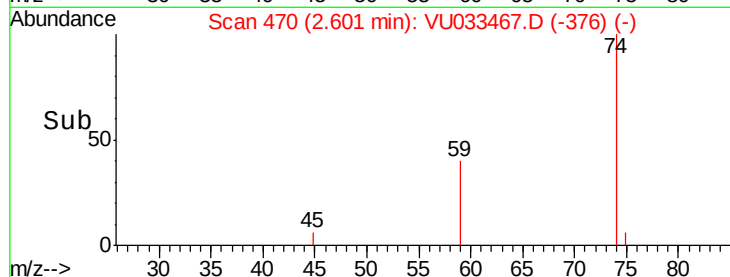
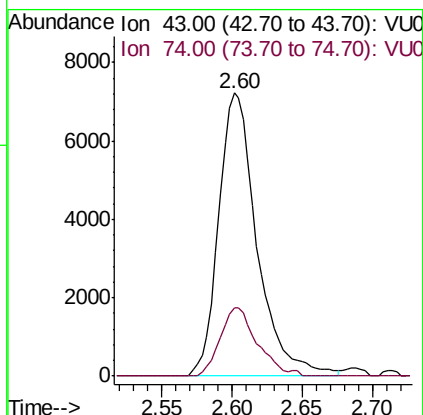
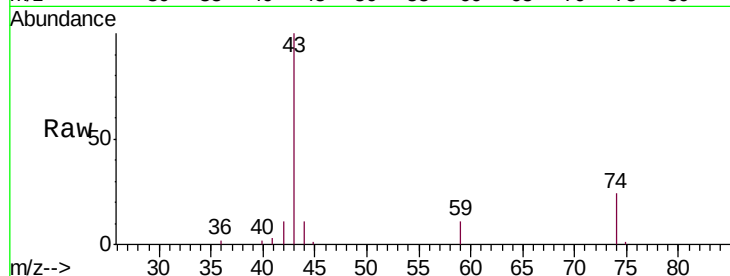




#15
Methyl Acetate
Concen: 5.778 ug/L
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU033467.D
Acq: 29 Jul 2019 11:43

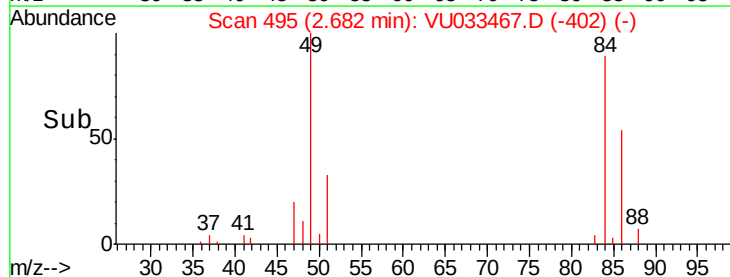
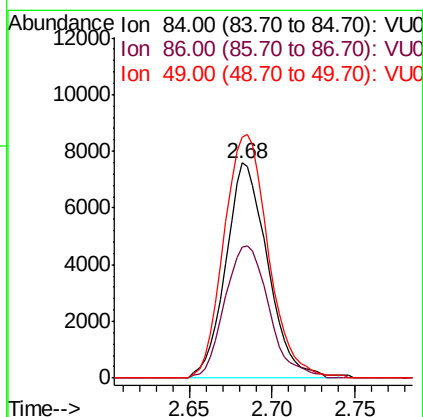
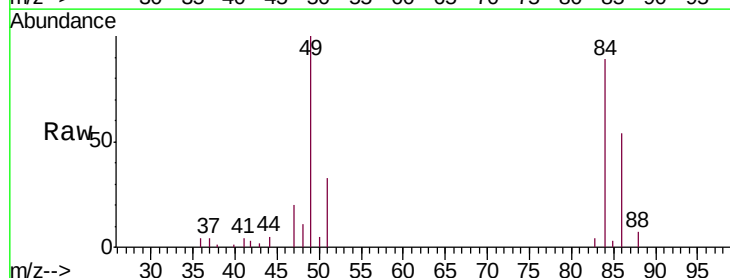
Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

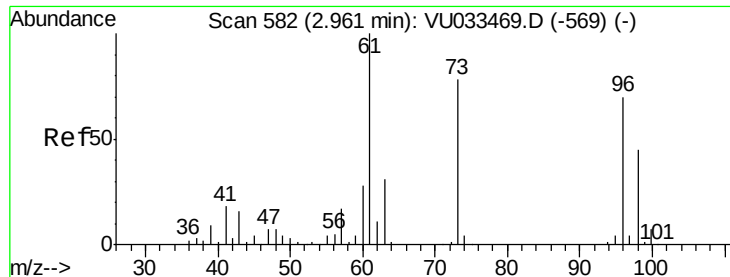
Tgt Ion: 43 Resp: 13686
Ion Ratio Lower Upper
43 100
74 23.0 20.5 30.7



#16
Methylene chloride
Concen: 5.728 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033467.D
Acq: 29 Jul 2019 11:43

Tgt Ion: 84 Resp: 13349
Ion Ratio Lower Upper
84 100
86 60.9 44.2 82.0
49 112.2 82.3 152.8





#17

trans-1,2-Dichloroethene

Concen: 5.878 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033467.D

Acq: 29 Jul 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD00533

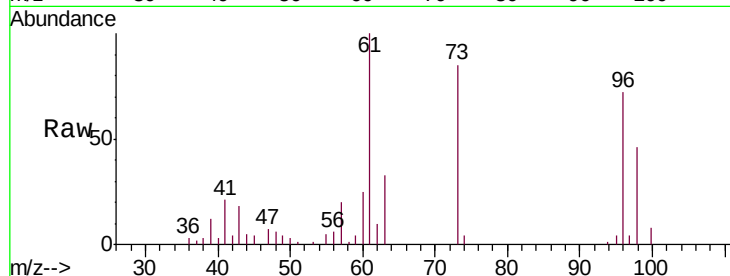
Tgt Ion: 96 Resp: 12080

Ion Ratio Lower Upper

96 100

61 138.4 100.3 186.3

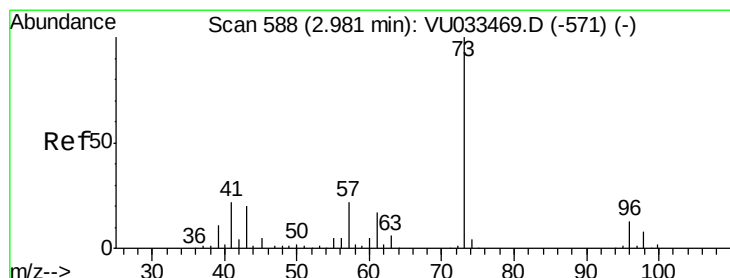
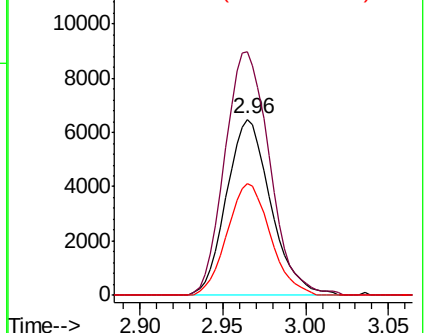
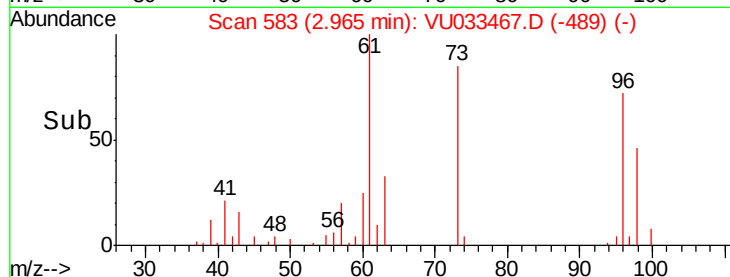
98 63.5 45.1 83.9



Abundance Ion 96.00 (95.70 to 96.70): VU033467.D (-489) (-)

Ion 61.00 (60.70 to 61.70): VU033467.D (-489) (-)

Ion 98.00 (97.70 to 98.70): VU033467.D (-489) (-)



#18

Methyl tert-butyl Ether

Concen: 4.983 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU033467.D

Acq: 29 Jul 2019 11:43

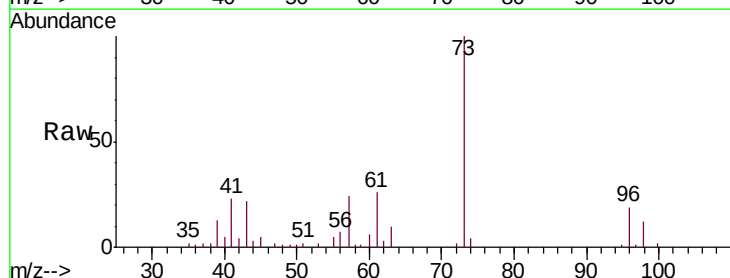
Tgt Ion: 73 Resp: 31477

Ion Ratio Lower Upper

73 100

43 21.7 15.3 22.9

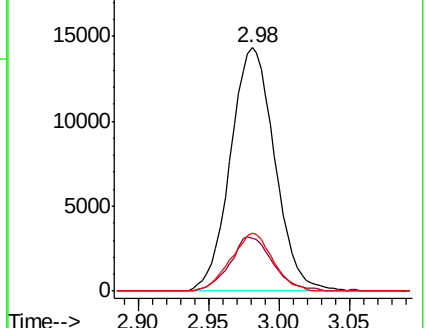
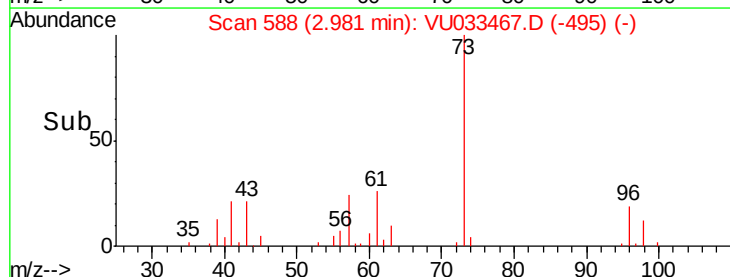
57 22.7 17.7 26.5

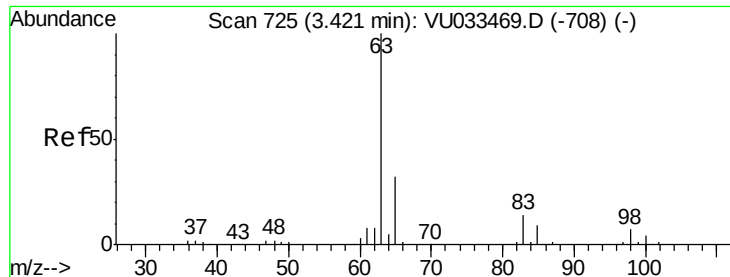


Abundance Ion 73.00 (72.70 to 73.70): VU033467.D (-495) (-)

Ion 43.00 (42.70 to 43.70): VU033467.D (-495) (-)

Ion 57.00 (56.70 to 57.70): VU033467.D (-495) (-)

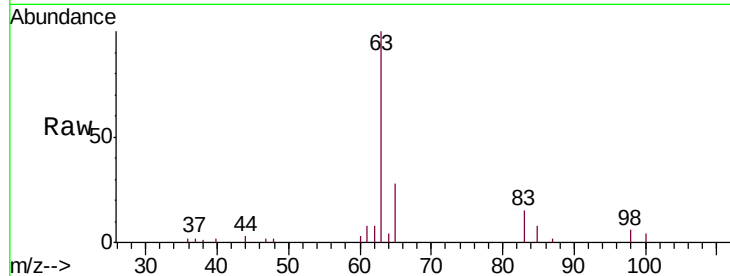




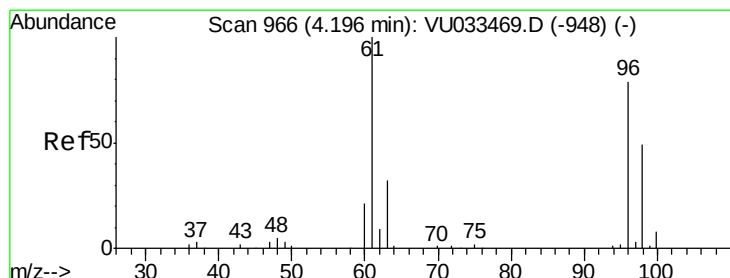
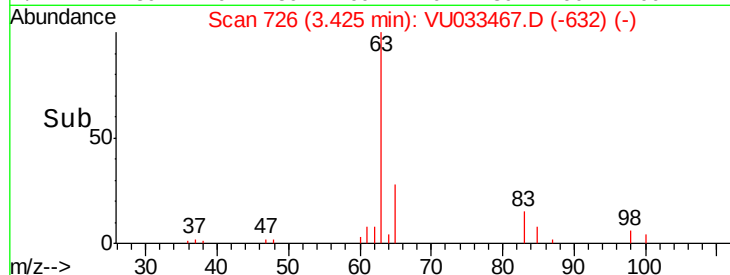
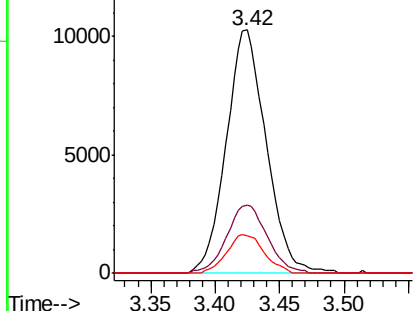
#19
 1,1-Dichloroethane
 Concen: 5.527 ug/L
 RT: 3.42 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VU033467.D
 Acq: 29 Jul 2019 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

Tgt Ion: 63 Resp: 22167
 Ion Ratio Lower Upper
 63 100
 65 28.2 22.7 42.1
 83 15.3 9.4 17.6

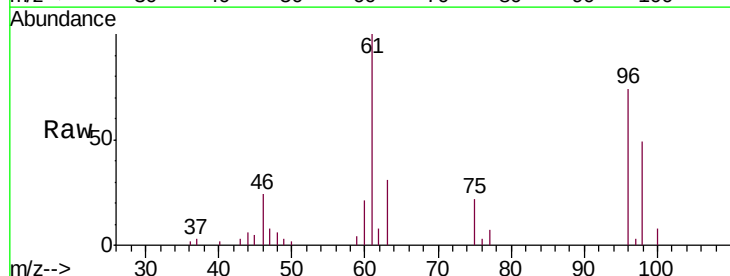


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

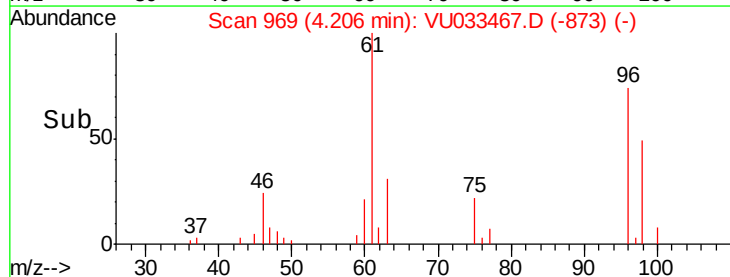
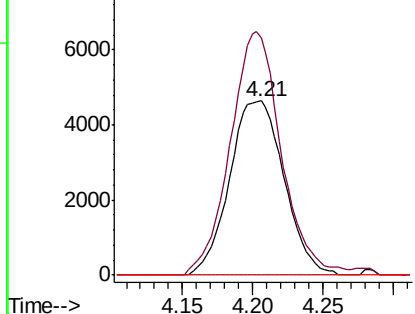


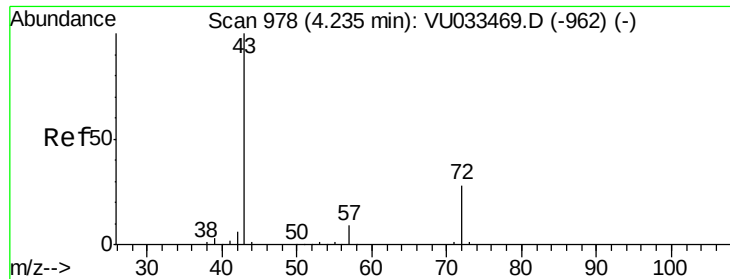
#20
 cis-1,2-Dichloroethene
 Concen: 5.401 ug/L
 RT: 4.21 min Scan# 969
 Delta R.T. 0.01 min
 Lab File: VU033467.D
 Acq: 29 Jul 2019 11:43

Tgt Ion: 96 Resp: 12558
 Ion Ratio Lower Upper
 96 100
 61 135.7 88.9 165.1
 68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 10.536 ug/L

RT: 4.24 min Scan# 981

Delta R.T. 0.01 min

Lab File: VU033467.D

Acq: 29 Jul 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

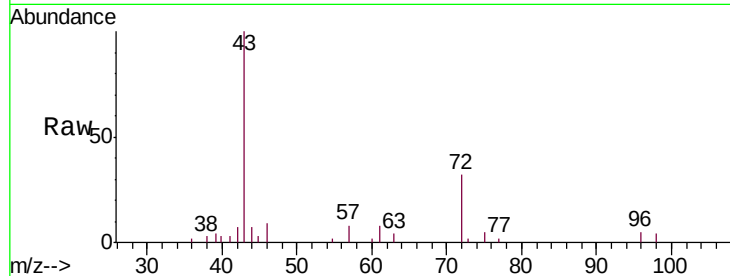
VSTD00533

Tgt Ion: 43 Resp: 19235

Ion Ratio Lower Upper

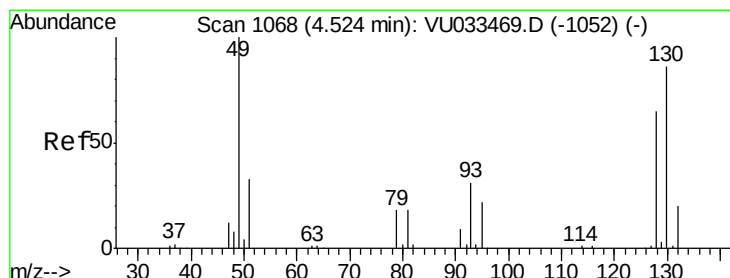
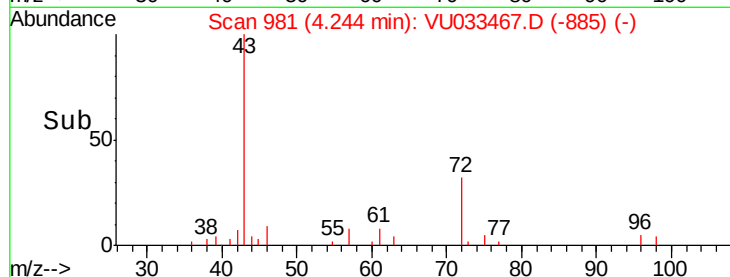
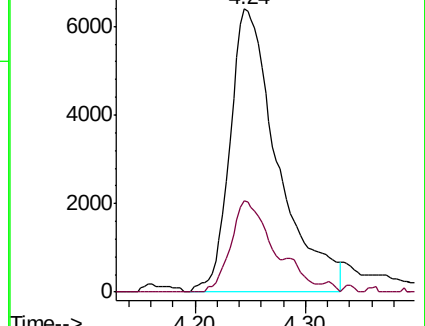
43 100

72 24.3 14.1 42.3



Abundance Ion 43.00 (42.70 to 43.70): VU033469.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VU033469.D (-962) (-)



#23

Bromochloromethane

Concen: 5.683 ug/L

RT: 4.53 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VU033467.D

Acq: 29 Jul 2019 11:43

Tgt Ion: 128 Resp: 6886

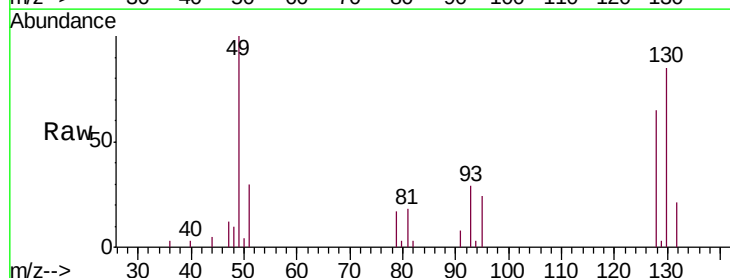
Ion Ratio Lower Upper

128 100

49 154.1 108.0 200.6

130 131.4 92.9 172.5

51 46.8 40.2 60.4

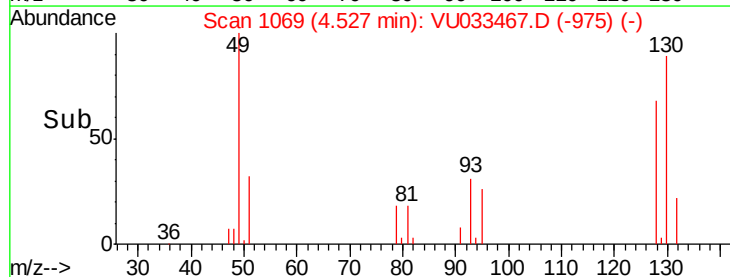
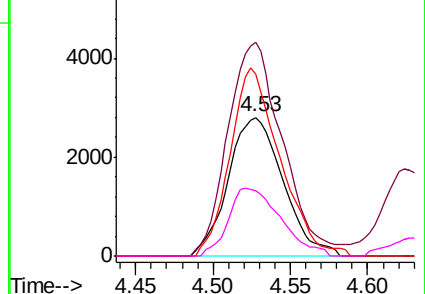


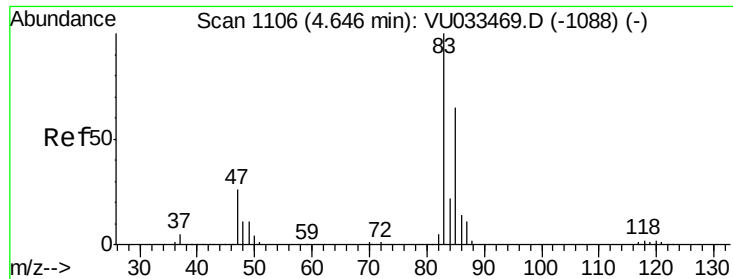
Abundance Ion 128.00 (127.70 to 128.70): VU033469.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU033469.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU033469.D (-1052) (-)

Ion 51.00 (50.70 to 51.70): VU033469.D (-1052) (-)

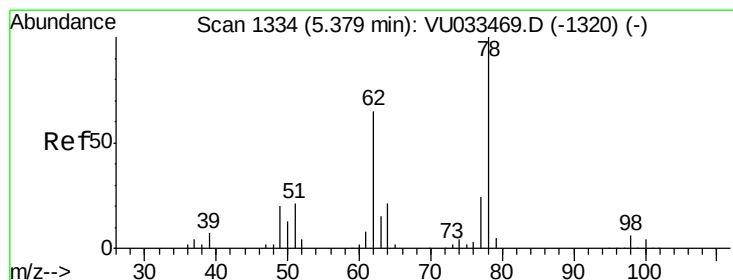
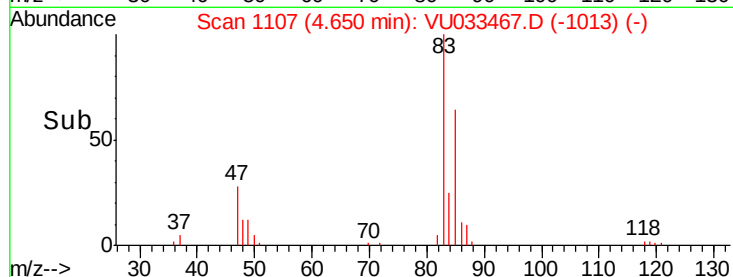
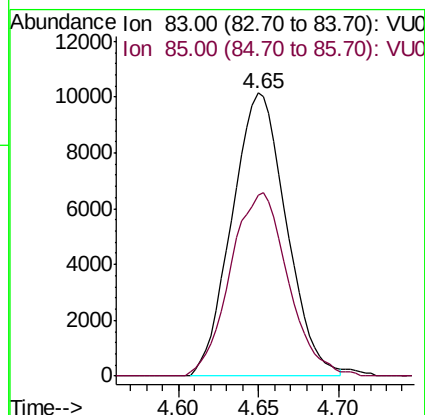
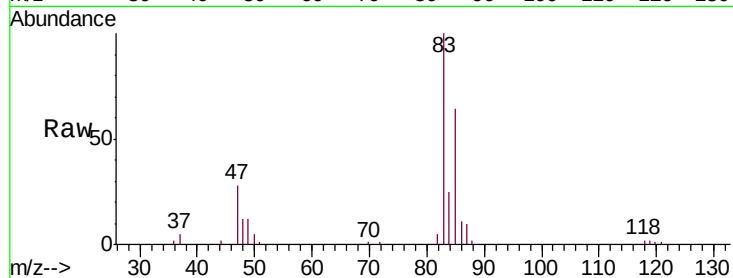




#25
Chloroform
Concen: 5.589 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033467.D
Acq: 29 Jul 2019 11:43

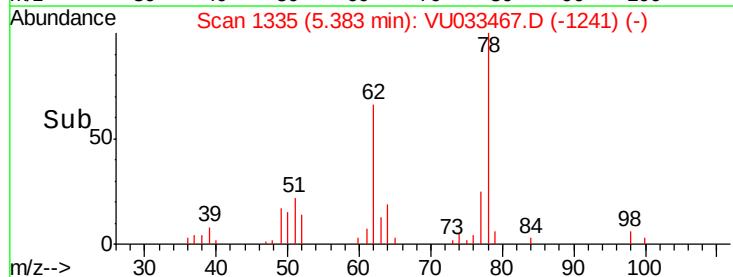
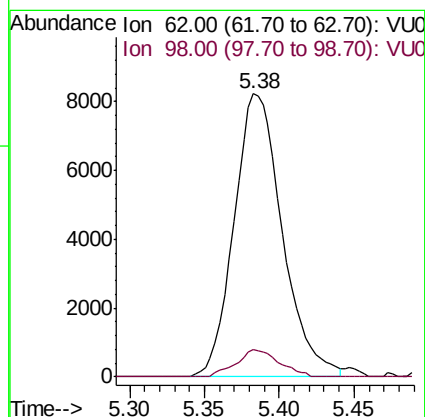
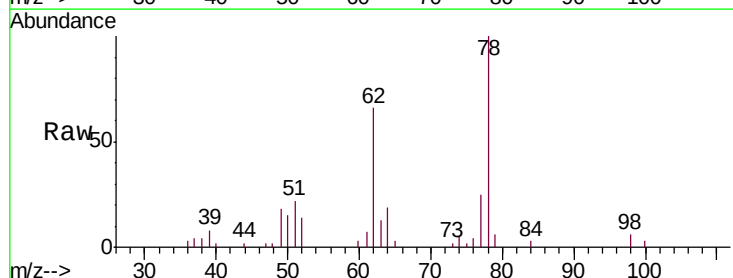
Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

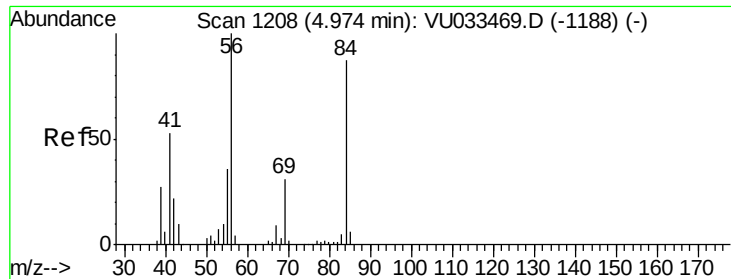
Tgt Ion: 83 Resp: 23599
Ion Ratio Lower Upper
83 100
85 63.9 45.6 84.8



#27
1,2-Dichloroethane
Concen: 5.636 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU033467.D
Acq: 29 Jul 2019 11:43

Tgt Ion: 62 Resp: 18479
Ion Ratio Lower Upper
62 100
98 9.5 6.7 10.1

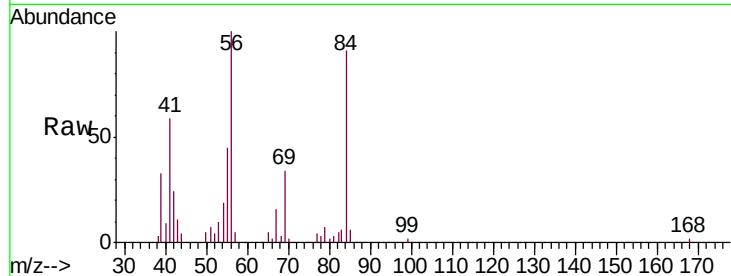




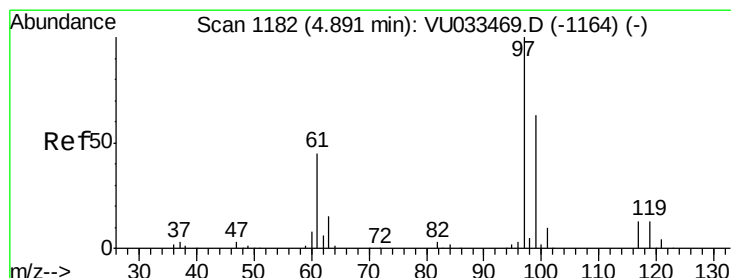
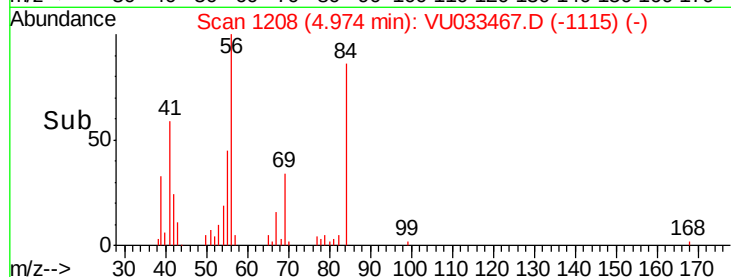
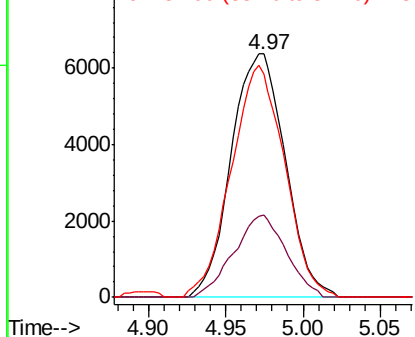
#29
Cyclohexane
Concen: 4.717 ug/L
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU033467.D
Acq: 29 Jul 2019 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

Tgt Ion: 56 Resp: 15511
Ion Ratio Lower Upper
56 100
69 32.7 25.3 37.9
84 93.8 69.6 104.4

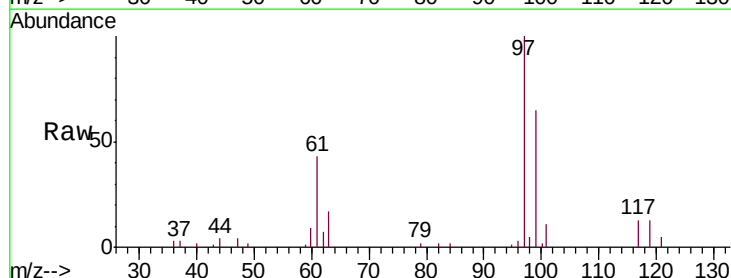


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

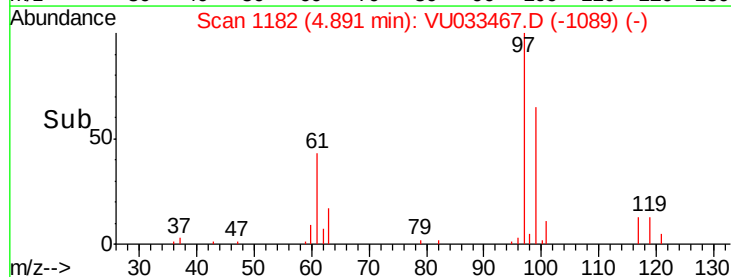
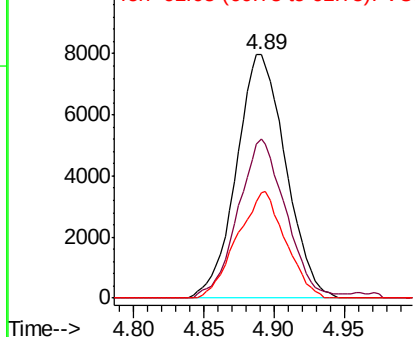


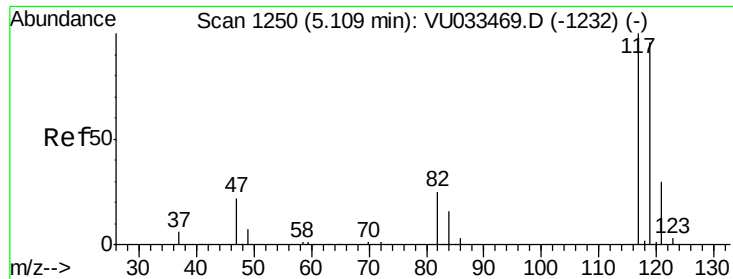
#30
1,1,1-Trichloroethane
Concen: 5.669 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU033467.D
Acq: 29 Jul 2019 11:43

Tgt Ion: 97 Resp: 19430
Ion Ratio Lower Upper
97 100
99 63.6 51.8 77.6
61 42.8 36.2 54.2



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0

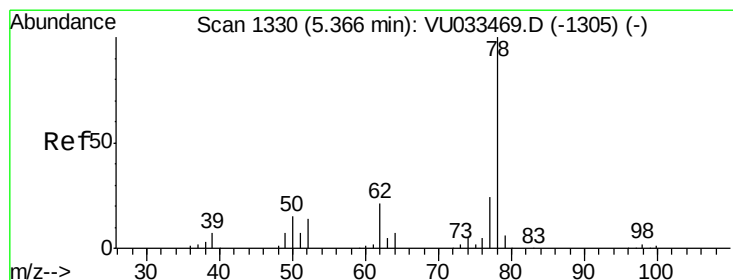
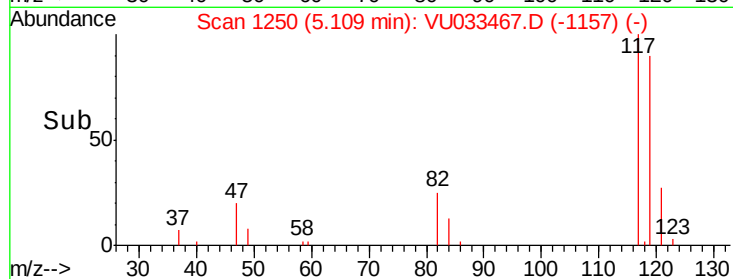
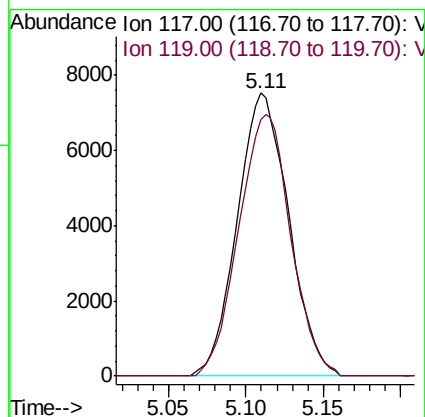
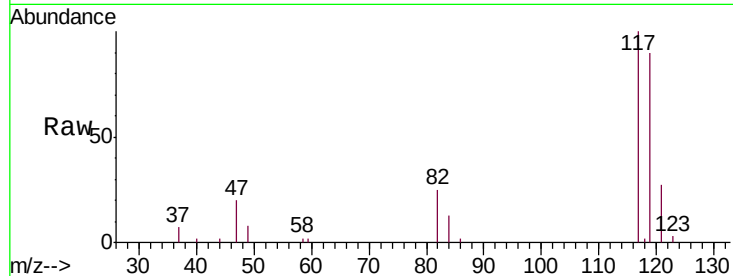




#31
Carbon tetrachloride
Concen: 5.702 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU033467.D
Acq: 29 Jul 2019 11:43

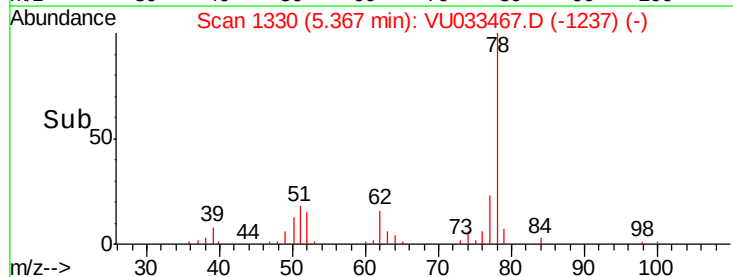
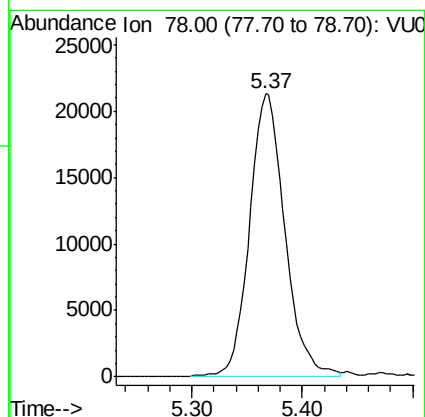
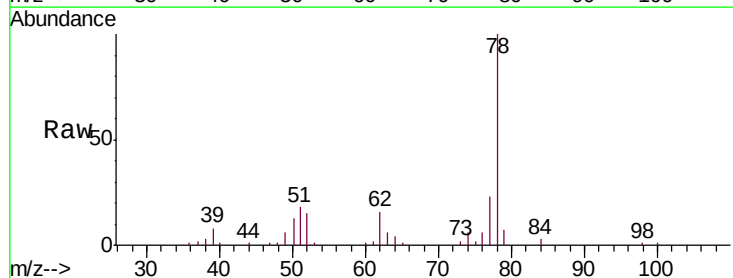
Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

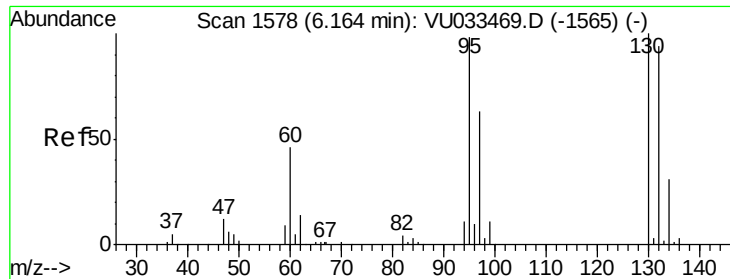
Tgt Ion:117 Resp: 17420
Ion Ratio Lower Upper
117 100
119 93.2 76.8 115.2



#33
Benzene
Concen: 5.396 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU033467.D
Acq: 29 Jul 2019 11:43

Tgt Ion: 78 Resp: 47421





#34

Trichloroethene

Concen: 5.754 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033467.D

Acq: 29 Jul 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD00533

Tgt Ion: 95 Resp: 12893

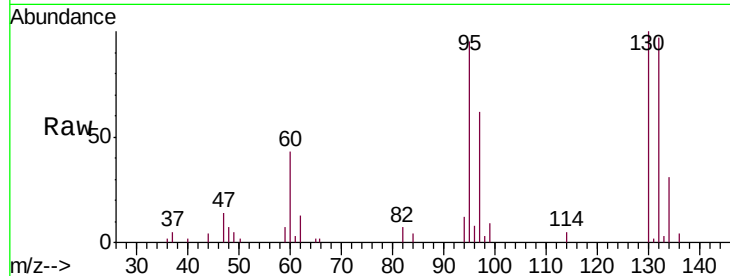
Ion Ratio Lower Upper

95 100

97 65.9 45.4 84.2

132 102.0 67.1 124.5

130 105.5 71.4 132.6



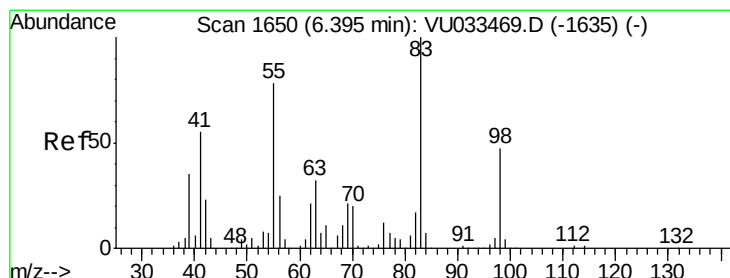
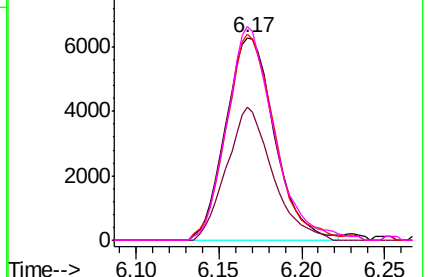
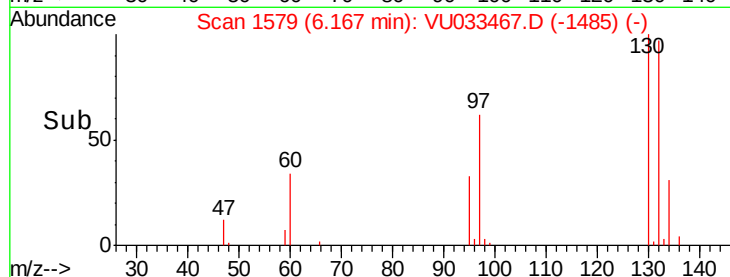
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

6.17



#35

Methylcyclohexane

Concen: 5.303 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU033467.D

Acq: 29 Jul 2019 11:43

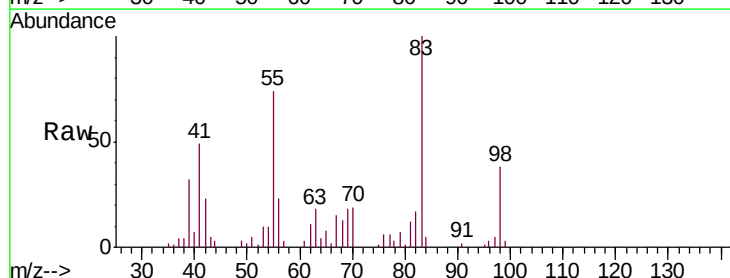
Tgt Ion: 83 Resp: 18058

Ion Ratio Lower Upper

83 100

55 76.2 62.4 93.6

98 42.2 37.3 55.9

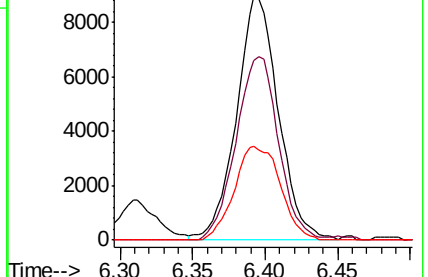
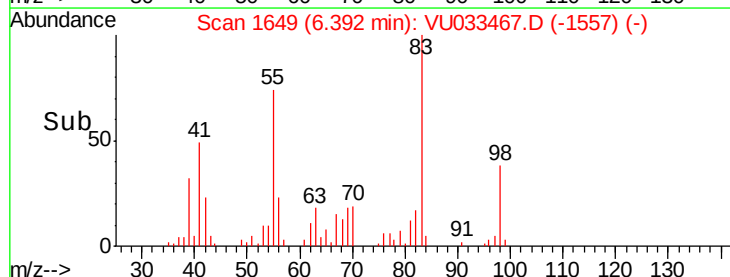


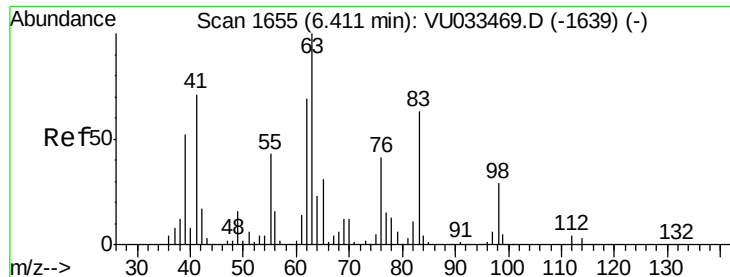
Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

6.39

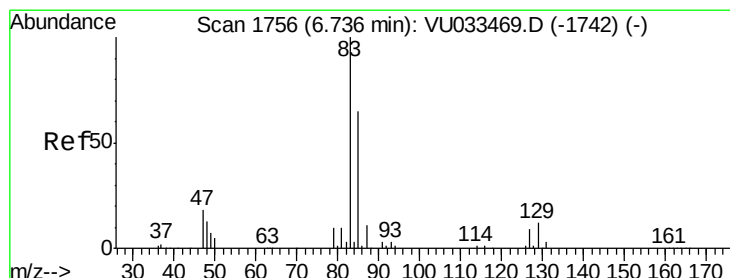
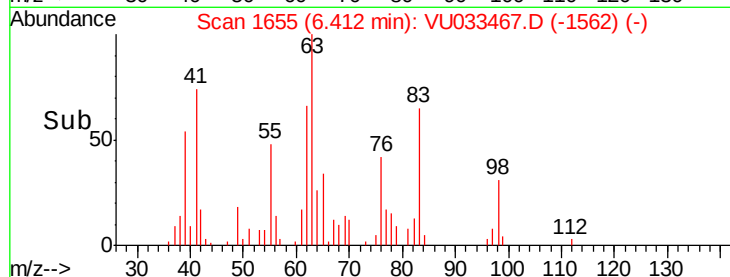
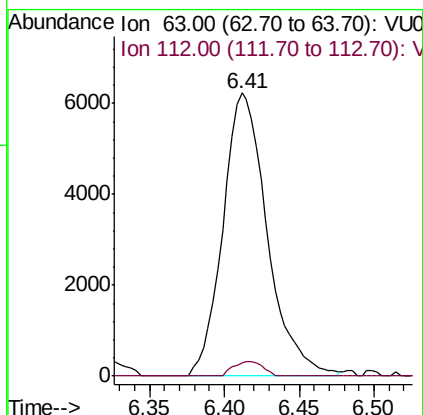
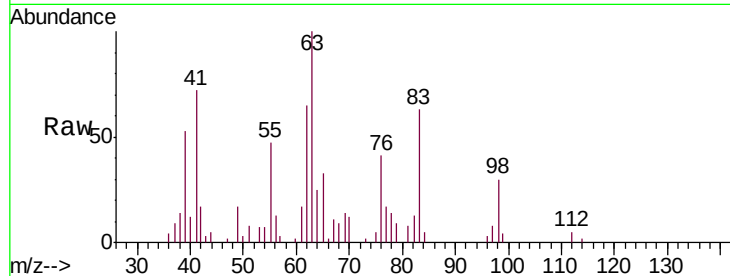




#37
 1,2-Dichloropropane
 Concen: 5.539 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033467.D
 Acq: 29 Jul 2019 11:43

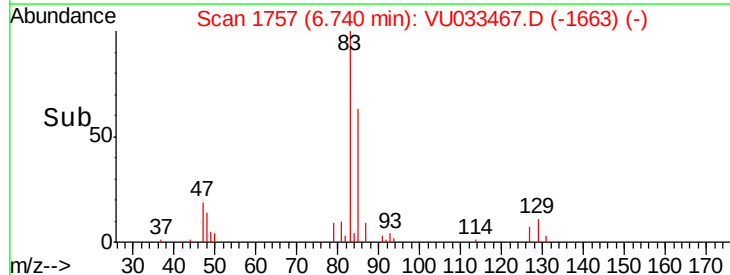
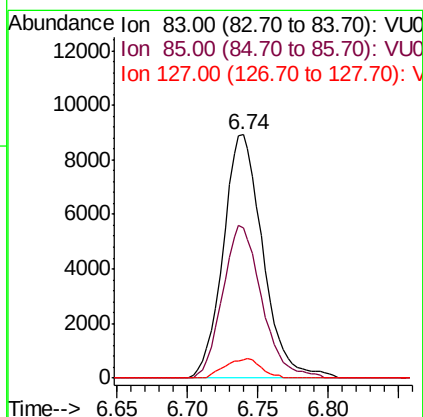
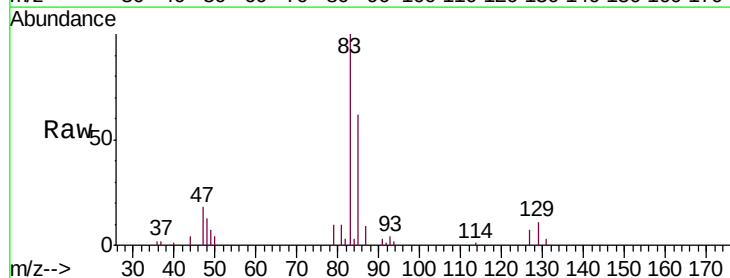
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

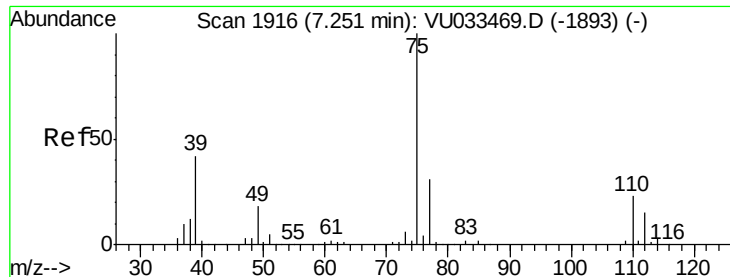
Tgt Ion: 63 Resp: 12873
 Ion Ratio Lower Upper
 63 100
 112 3.4 3.1 4.7



#38
 Bromodichloromethane
 Concen: 5.825 ug/L
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VU033467.D
 Acq: 29 Jul 2019 11:43

Tgt Ion: 83 Resp: 17529
 Ion Ratio Lower Upper
 83 100
 85 61.7 45.4 84.4
 127 7.3 7.3 10.9

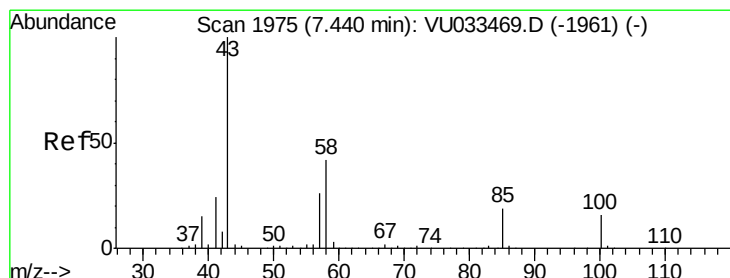
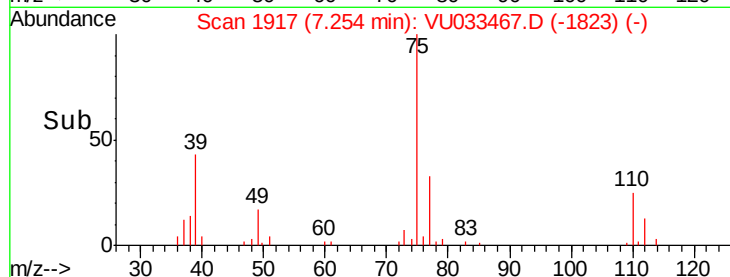
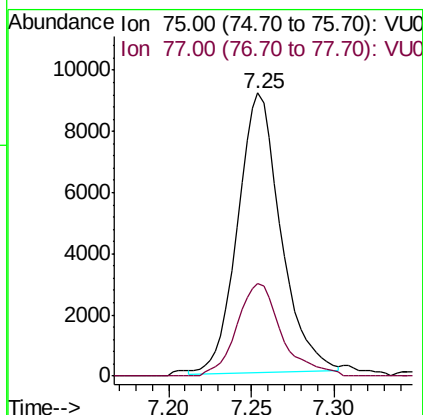
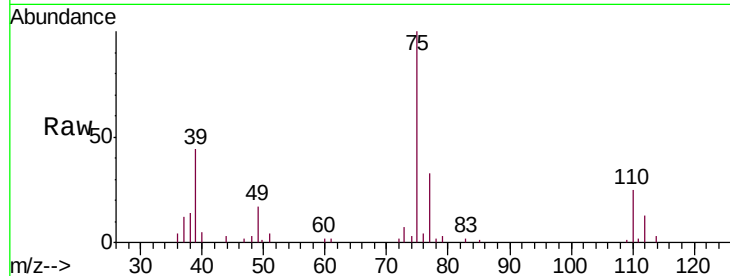




#39
 cis-1,3-Dichloropropene
 Concen: 4.589 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033467.D
 Acq: 29 Jul 2019 11:43

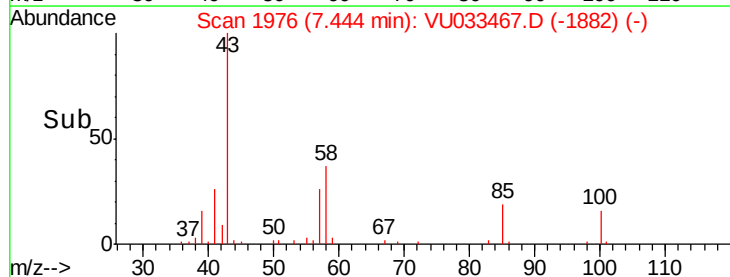
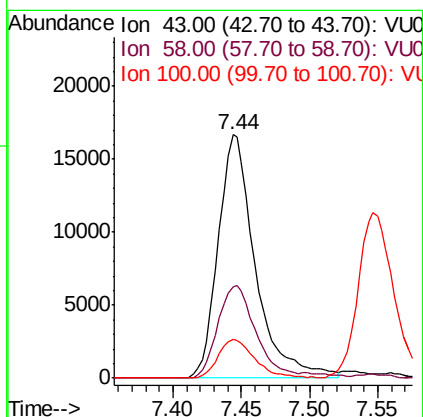
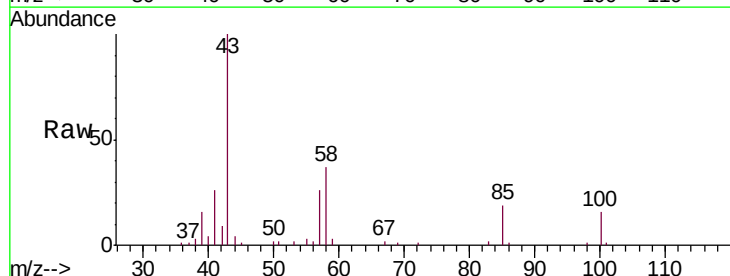
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

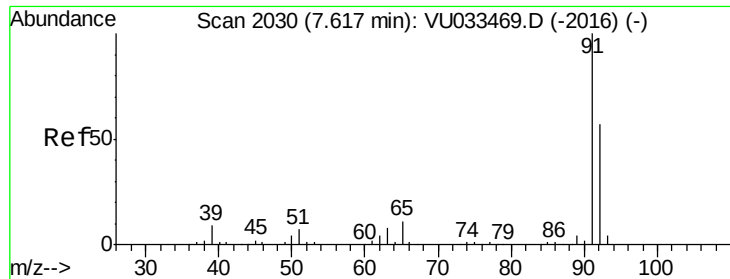
Tgt Ion: 75 Resp: 16602
 Ion Ratio Lower Upper
 75 100
 77 32.7 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 10.061 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VU033467.D
 Acq: 29 Jul 2019 11:43

Tgt Ion: 43 Resp: 31600
 Ion Ratio Lower Upper
 43 100
 58 38.7 33.4 50.2
 100 15.6 12.3 18.5





#42

Toluene

Concen: 4.881 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033467.D

Acq: 29 Jul 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

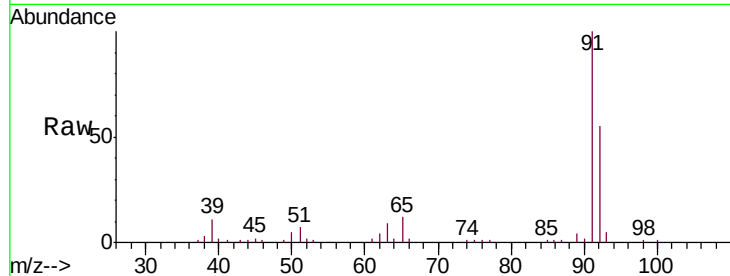
VSTD00533

Tgt Ion: 91 Resp: 47085

Ion Ratio Lower Upper

91 100

92 55.2 40.1 74.5

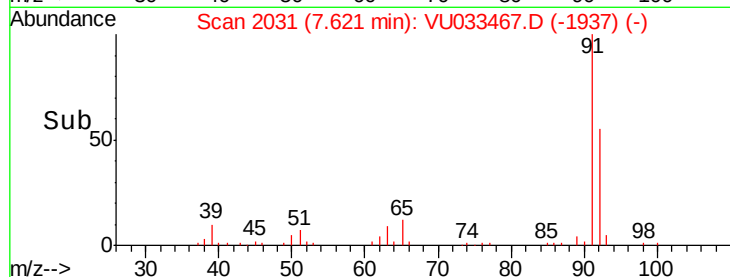


Abundance Ion 91.00 (90.70 to 91.70): VU033467.D (-2016) (-)

Ion 92.00 (91.70 to 92.70): VU033467.D (-2016) (-)

7.62

Time-->



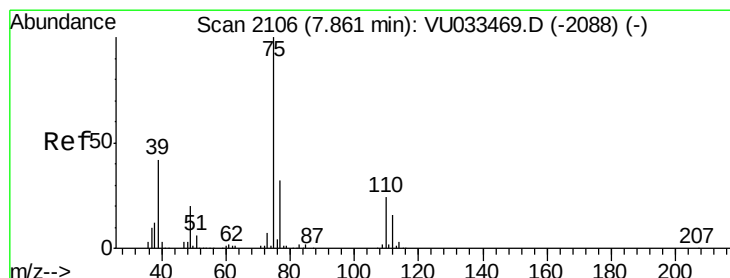
Abundance

Ion 91.00 (90.70 to 91.70): VU033467.D (-1937) (-)

Ion 92.00 (91.70 to 92.70): VU033467.D (-1937) (-)

7.62

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.926 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU033467.D

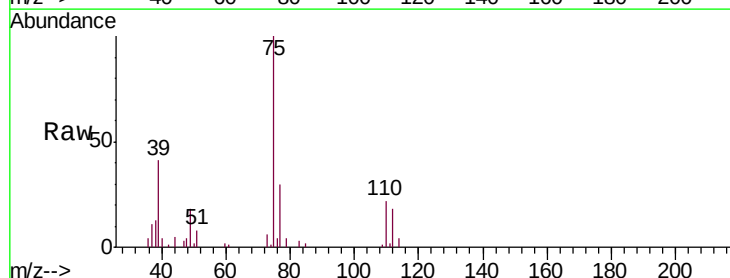
Acq: 29 Jul 2019 11:43

Tgt Ion: 75 Resp: 15919

Ion Ratio Lower Upper

75 100

77 30.3 22.3 41.5

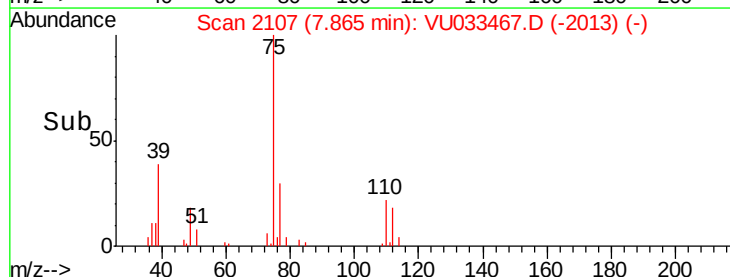


Abundance Ion 75.00 (74.70 to 75.70): VU033467.D (-2088) (-)

Ion 77.00 (76.70 to 77.70): VU033467.D (-2088) (-)

7.86

Time-->



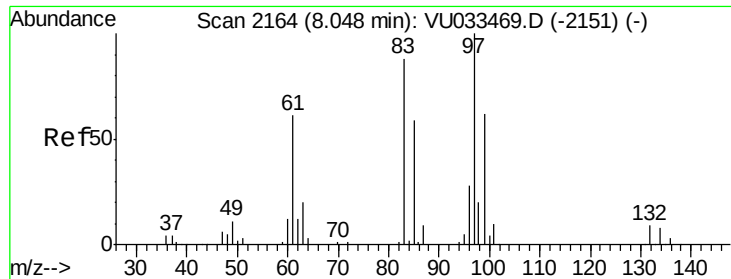
Abundance

Ion 75.00 (74.70 to 75.70): VU033467.D (-2013) (-)

Ion 77.00 (76.70 to 77.70): VU033467.D (-2013) (-)

7.86

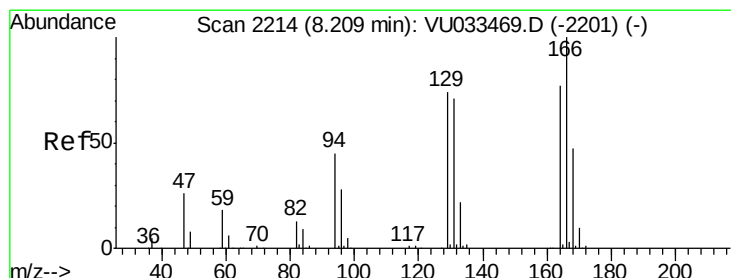
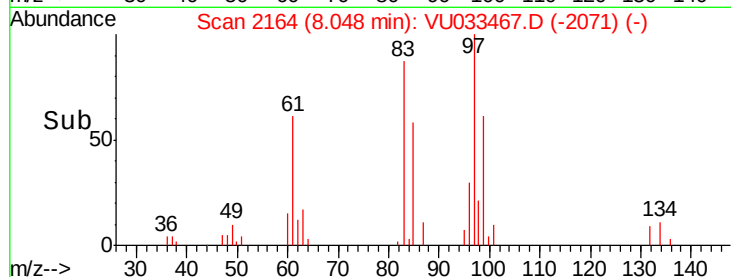
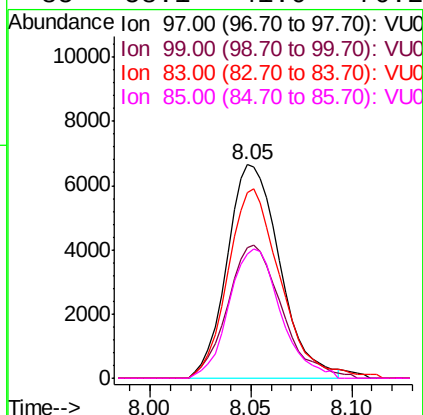
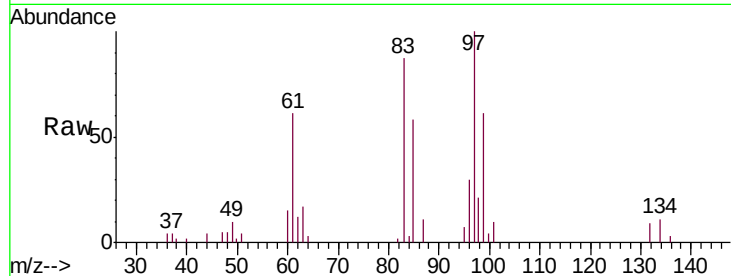
Time-->



#45
 1,1,2-Trichloroethane
 Concen: 5.489 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU033467.D
 Acq: 29 Jul 2019 11:43

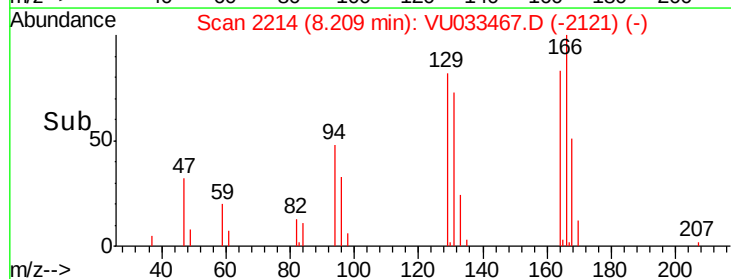
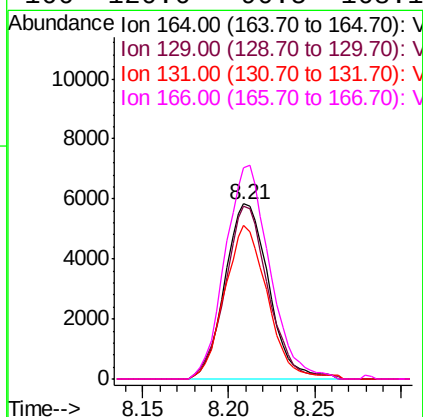
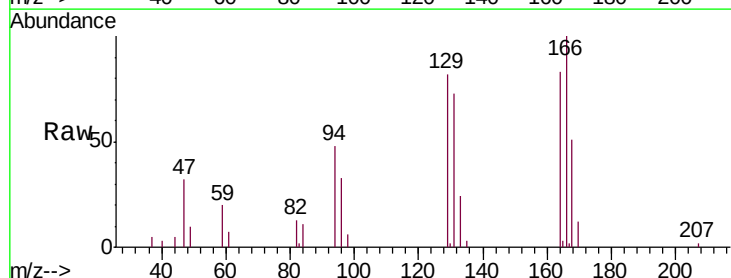
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

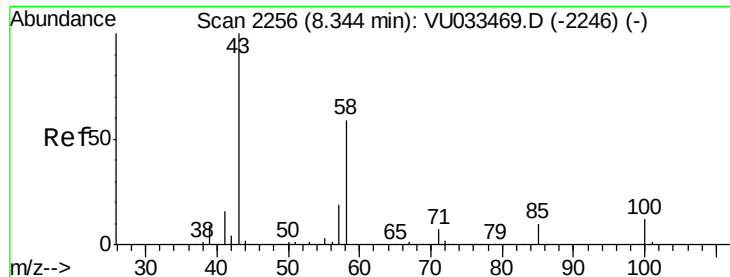
Tgt Ion:	97	Resp:	12180
Ion	Ratio	Lower	Upper
97	100		
99	61.1	43.3	80.5
83	86.9	61.3	113.9
85	58.1	41.0	76.2



#46
 Tetrachloroethene
 Concen: 5.808 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU033467.D
 Acq: 29 Jul 2019 11:43

Tgt Ion:	164	Resp:	10356
Ion	Ratio	Lower	Upper
164	100		
129	98.6	66.6	123.8
131	87.8	63.9	118.7
166	120.6	90.5	168.1

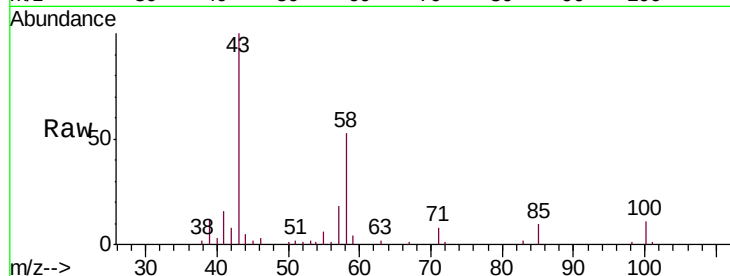




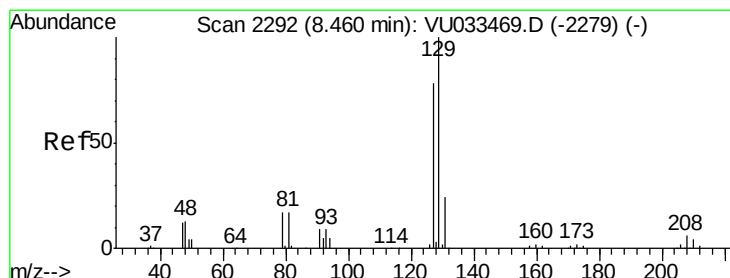
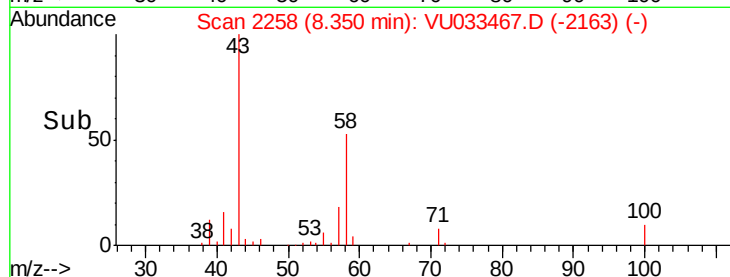
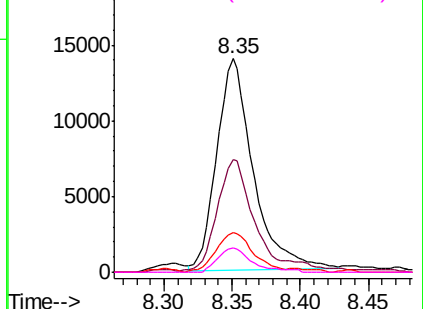
#48
2-Hexanone
Concen: 10.089 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. 0.01 min
Lab File: VU033467.D
Acq: 29 Jul 2019 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

Tgt Ion: 43 Resp: 26021
Ion Ratio Lower Upper
43 100
58 55.8 46.6 69.8
57 19.1 16.0 24.0
100 10.8 9.5 14.3

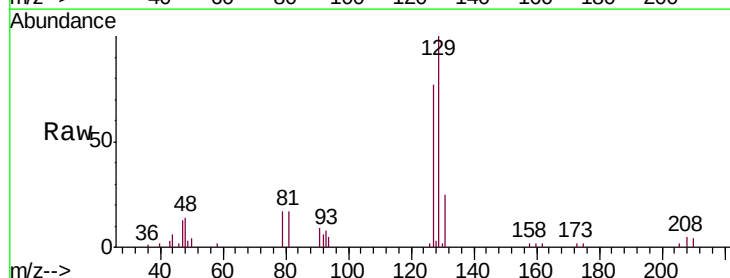


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

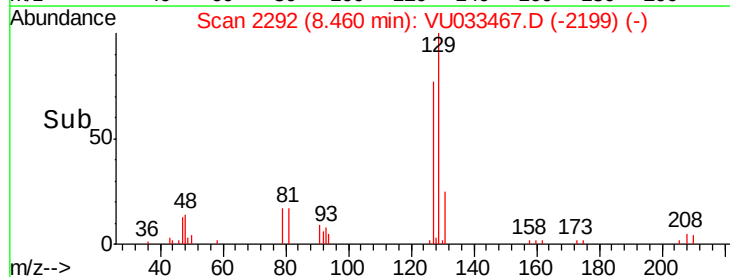
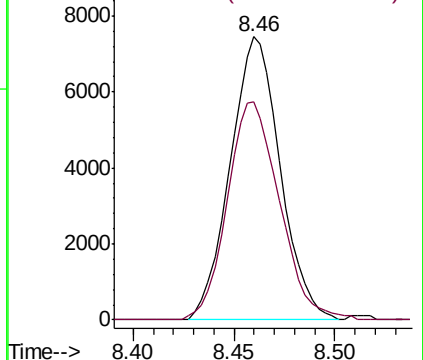


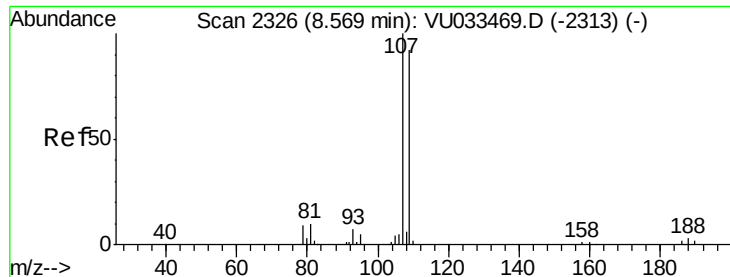
#49
Dibromochloromethane
Concen: 5.136 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033467.D
Acq: 29 Jul 2019 11:43

Tgt Ion: 129 Resp: 12902
Ion Ratio Lower Upper
129 100
127 76.8 54.5 101.1



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

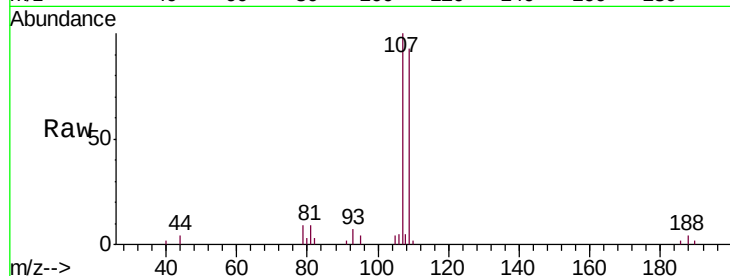




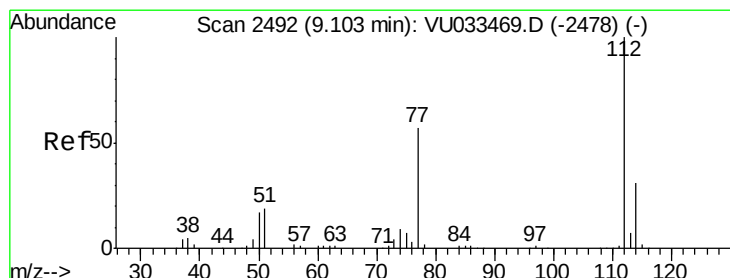
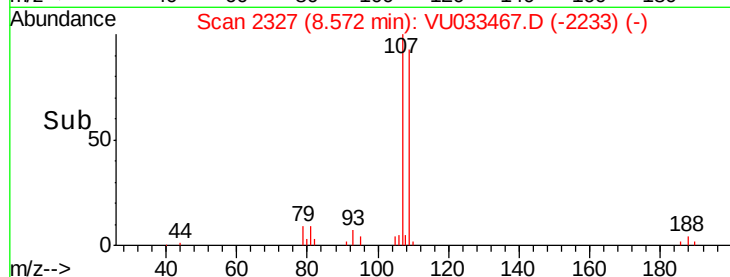
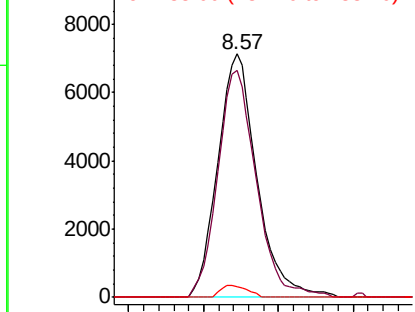
#50
1,2-Dibromoethane
Concen: 5.378 ug/L
RT: 8.57 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VU033467.D
Acq: 29 Jul 2019 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

Tgt Ion:107 Resp: 13025
Ion Ratio Lower Upper
107 100
109 93.2 64.7 120.1
188 4.5 2.8 4.2#

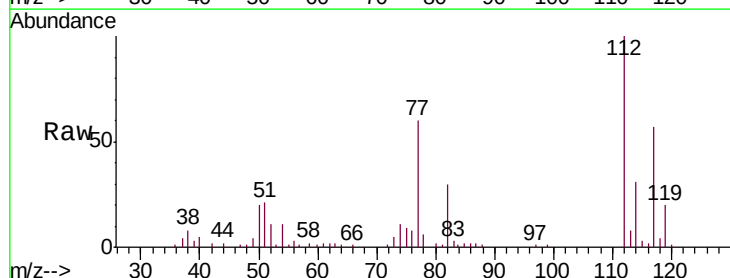


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

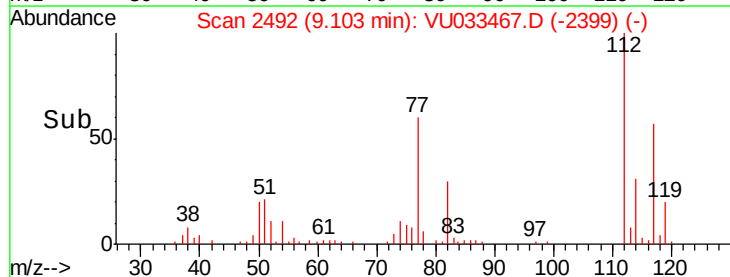
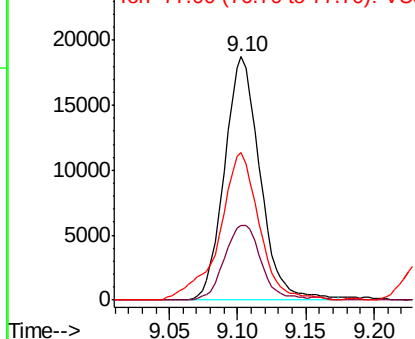


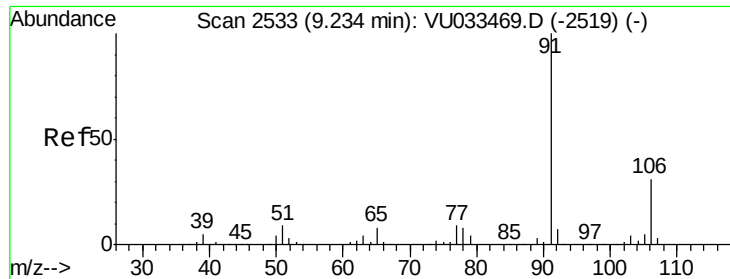
#51
Chlorobenzene
Concen: 5.508 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033467.D
Acq: 29 Jul 2019 11:43

Tgt Ion:112 Resp: 33966
Ion Ratio Lower Upper
112 100
114 30.9 21.9 40.7
77 60.4 46.1 69.1



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 5.001 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU033467.D

Acq: 29 Jul 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

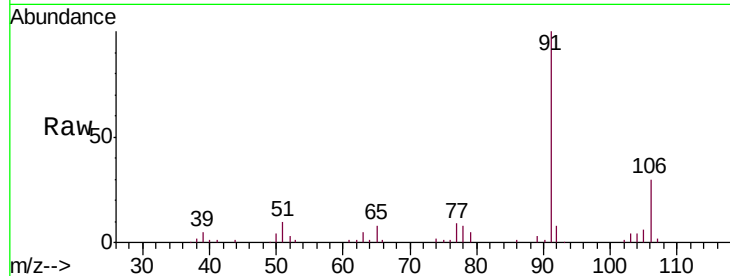
VSTD00533

Tgt Ion: 91 Resp: 51562

Ion Ratio Lower Upper

91 100

106 30.4 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU033467.D (-2519) (-)

Ion 106.00 (105.70 to 106.70): VU033467.D (-2519) (-)

9.23

30000

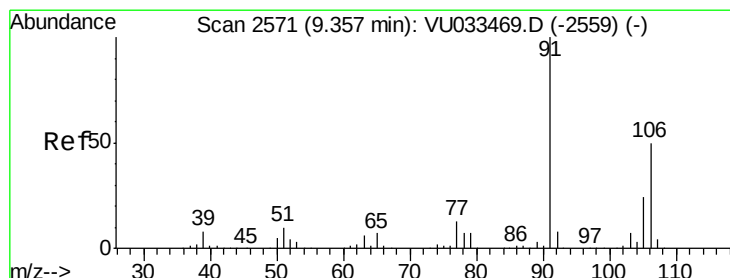
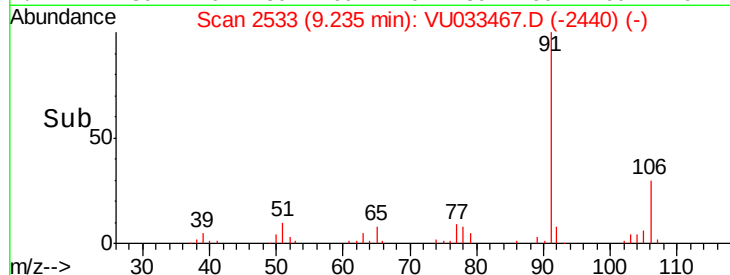
20000

10000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 4.605 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033467.D

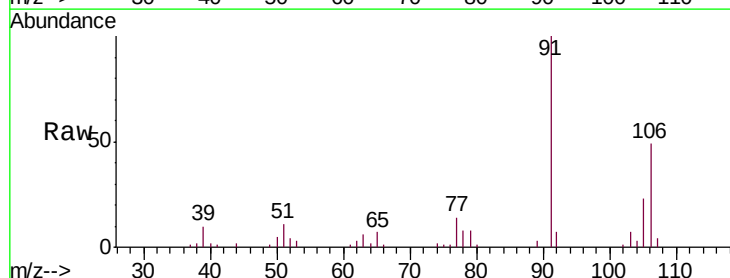
Acq: 29 Jul 2019 11:43

Tgt Ion: 106 Resp: 18299

Ion Ratio Lower Upper

106 100

91 203.2 140.7 261.3



Abundance Ion 106.00 (105.70 to 106.70): VU033467.D (-2559) (-)

Ion 91.00 (90.70 to 91.70): VU033467.D (-2559) (-)

9.36

25000

20000

15000

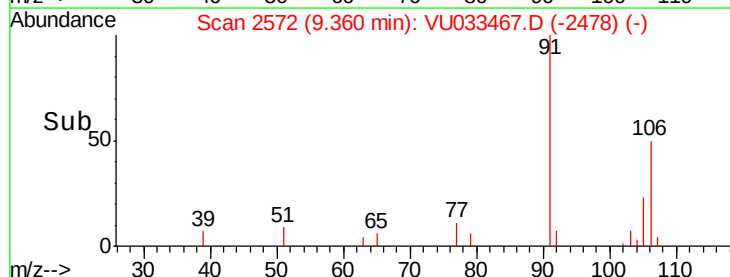
10000

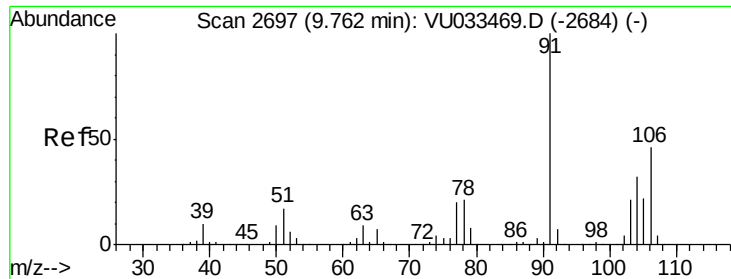
5000

0

9.30 9.35 9.40

Time-->





#54

o-xylene

Concen: 4.611 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU033467.D

Acq: 29 Jul 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

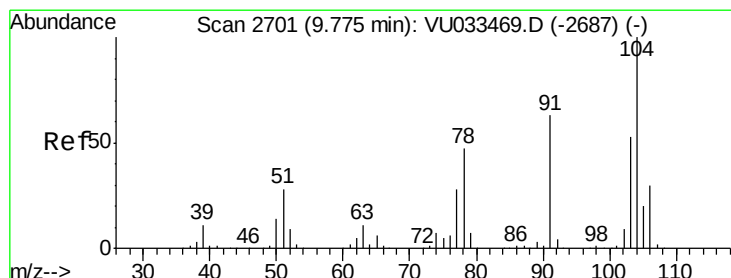
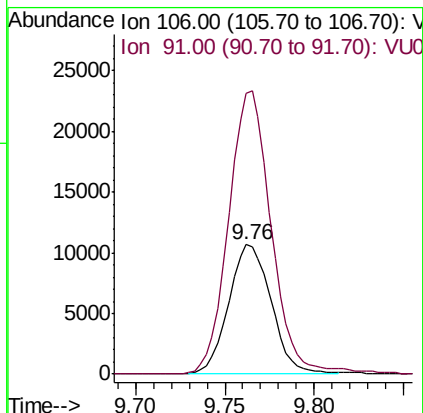
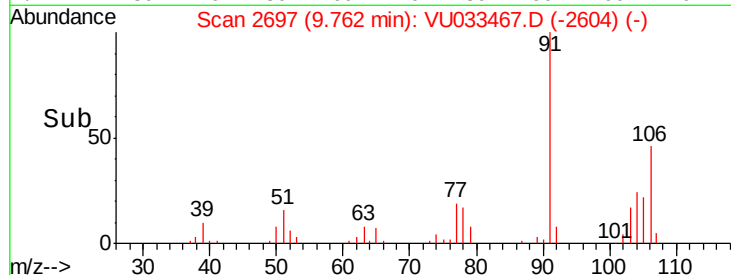
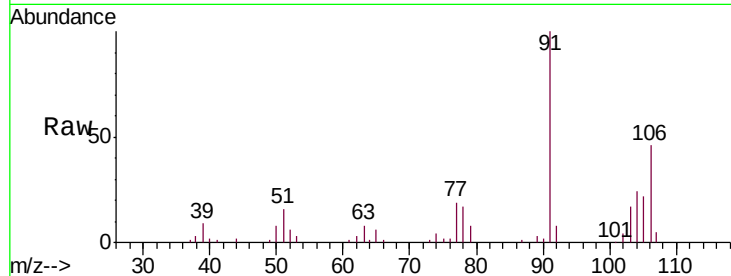
VSTD00533

Tgt Ion:106 Resp: 17713

Ion Ratio Lower Upper

106 100

91 217.4 151.1 280.7



#55

Styrene

Concen: 4.255 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU033467.D

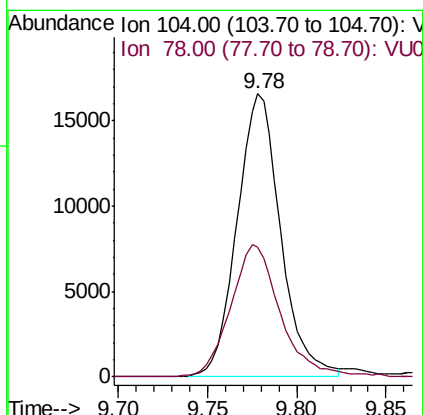
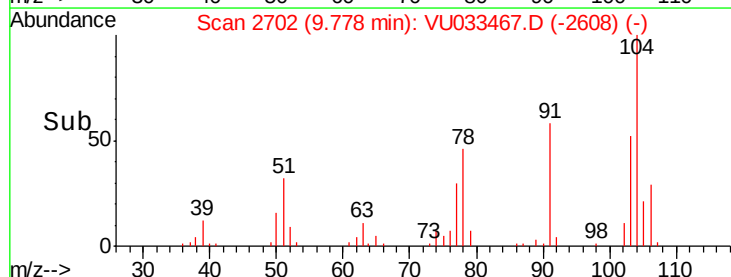
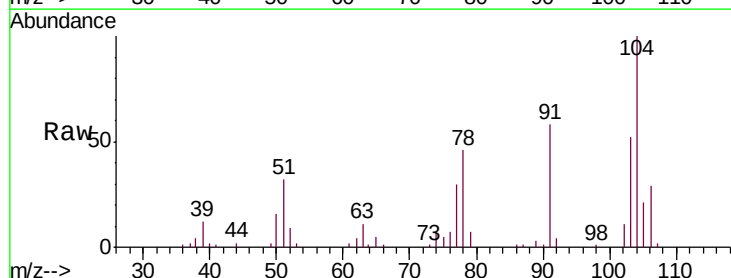
Acq: 29 Jul 2019 11:43

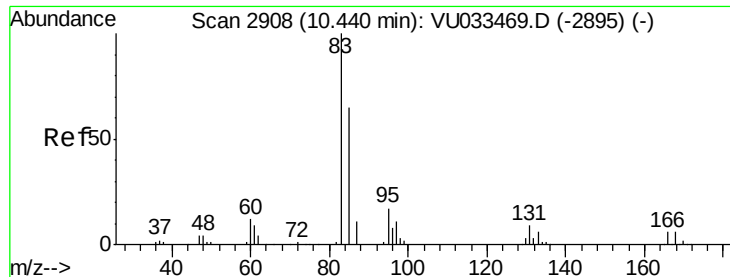
Tgt Ion:104 Resp: 28322

Ion Ratio Lower Upper

104 100

78 46.0 32.6 60.5





#57

1,1,2,2-Tetrachloroethane

Concen: 5.780 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033467.D

Acq: 29 Jul 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD00533

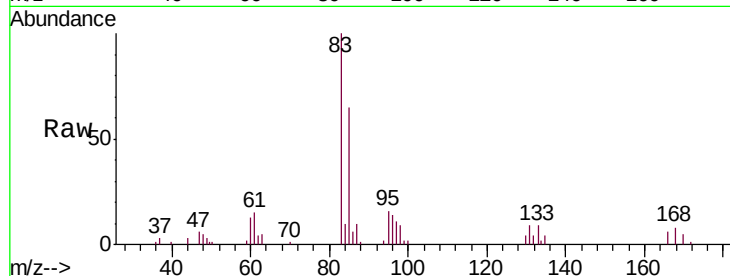
Tgt Ion: 83 Resp: 22247

Ion Ratio Lower Upper

83 100

85 65.5 45.9 85.3

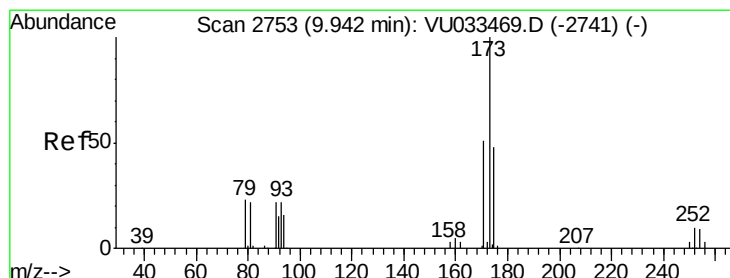
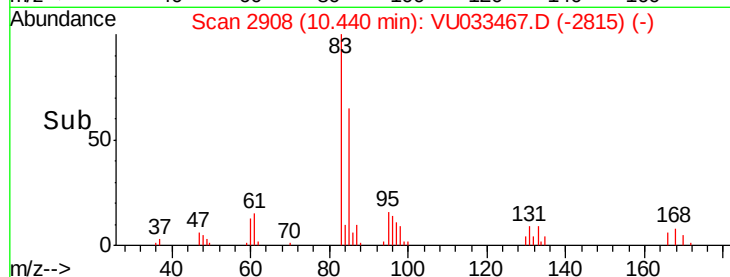
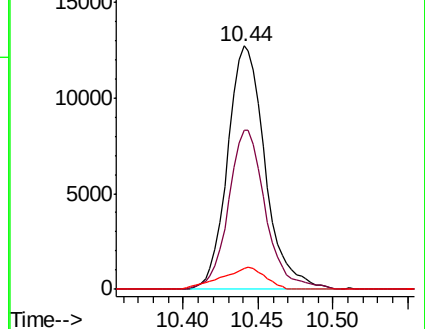
131 12.8 7.8 11.8#



Abundance Ion 83.00 (82.70 to 83.70): VU033469.D (-2895) (-)

Ion 85.00 (84.70 to 85.70): VU033469.D (-2895) (-)

Ion 131.00 (130.70 to 131.70): VU033469.D (-2895) (-)



#59

Bromoform

Concen: 5.630 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU033467.D

Acq: 29 Jul 2019 11:43

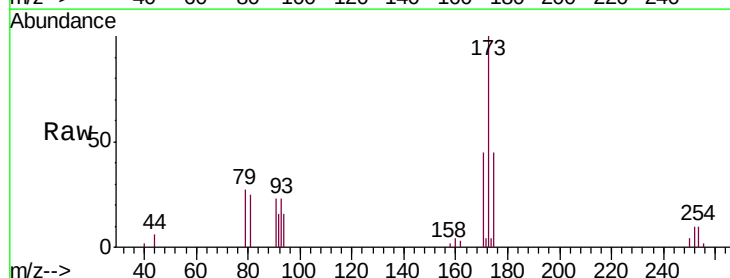
Tgt Ion: 173 Resp: 9490

Ion Ratio Lower Upper

173 100

175 49.3 38.1 57.1

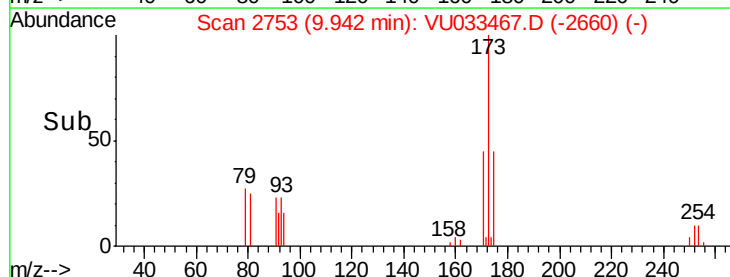
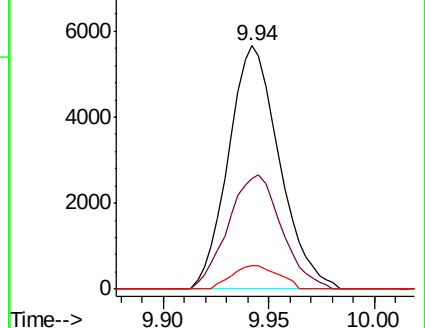
254 8.8 7.3 10.9

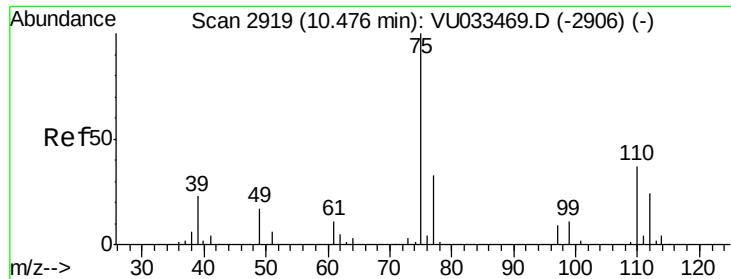


Abundance Ion 173.00 (172.70 to 173.70): VU033469.D (-2741) (-)

Ion 175.00 (174.70 to 175.70): VU033469.D (-2741) (-)

Ion 254.00 (253.70 to 254.70): VU033469.D (-2741) (-)

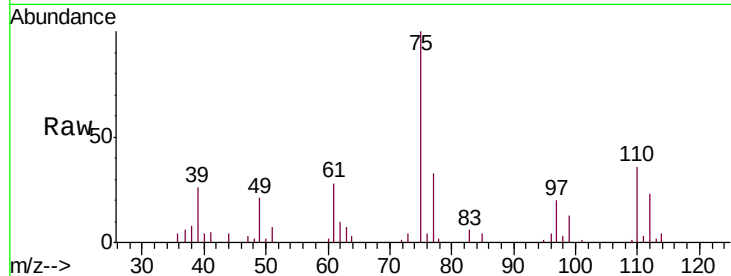




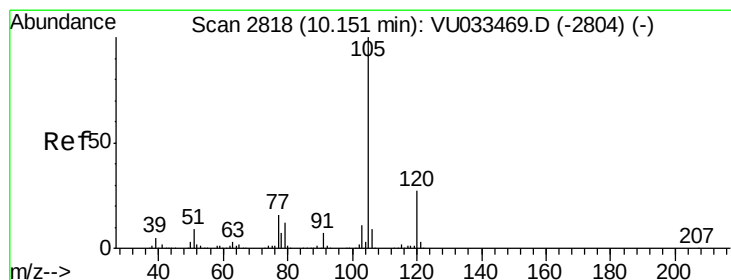
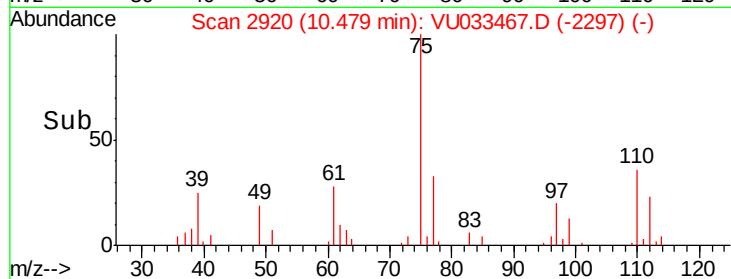
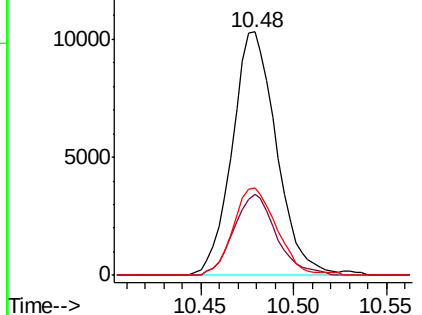
#60
 1,2,3-Trichloropropane
 Concen: 6.260 ug/L
 RT: 10.48 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: VU033467.D
 Acq: 29 Jul 2019 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

Tgt Ion: 75 Resp: 17085
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.9 38.9
 110 35.1 30.2 45.4

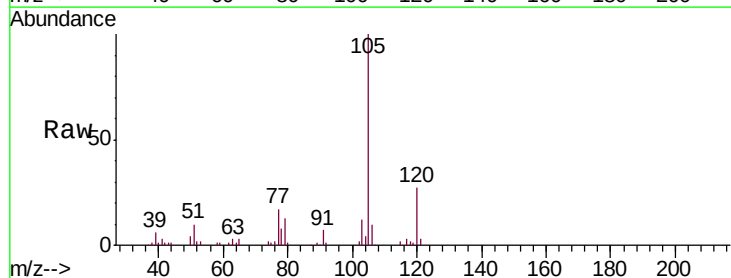


Abundance Ion 75.00 (74.70 to 75.70): VU033467.D (-2906) (-)
 Ion 77.00 (76.70 to 77.70): VU033467.D (-2906) (-)
 Ion 110.00 (109.70 to 110.70): VU033467.D (-2906) (-)

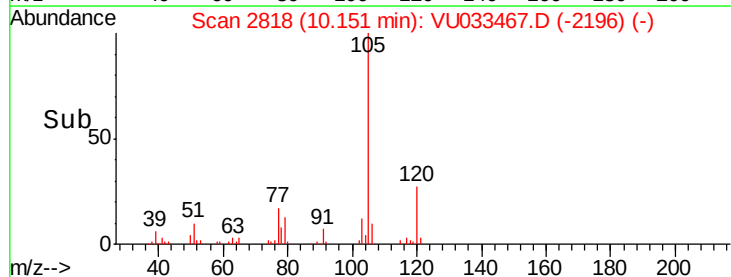
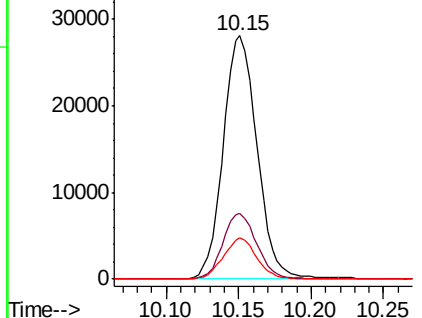


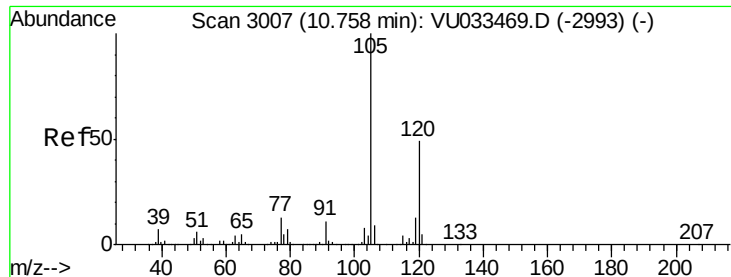
#61
 Isopropylbenzene
 Concen: 5.089 ug/L
 RT: 10.15 min Scan# 2818
 Delta R.T. 0.00 min
 Lab File: VU033467.D
 Acq: 29 Jul 2019 11:43

Tgt Ion: 105 Resp: 45681
 Ion Ratio Lower Upper
 105 100
 120 26.6 21.7 32.5
 77 16.5 12.6 19.0



Abundance Ion 105.00 (104.70 to 105.70): VU033467.D (-2804) (-)
 Ion 120.00 (119.70 to 120.70): VU033467.D (-2804) (-)
 Ion 77.00 (76.70 to 77.70): VU033467.D (-2804) (-)

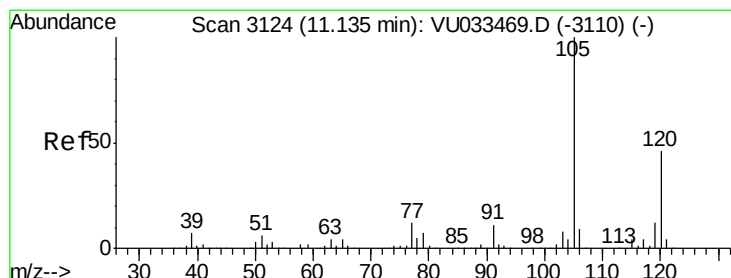
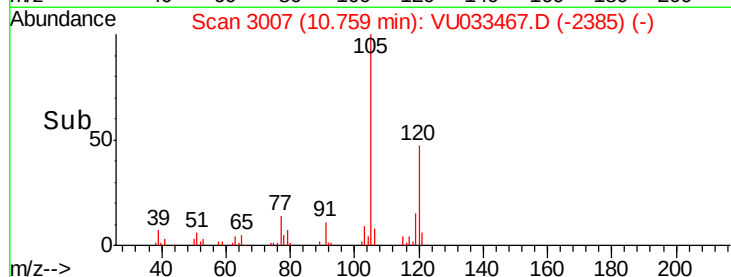
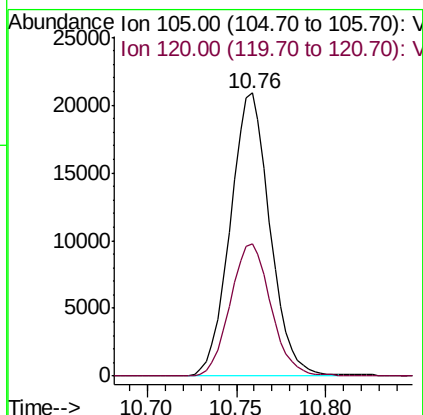
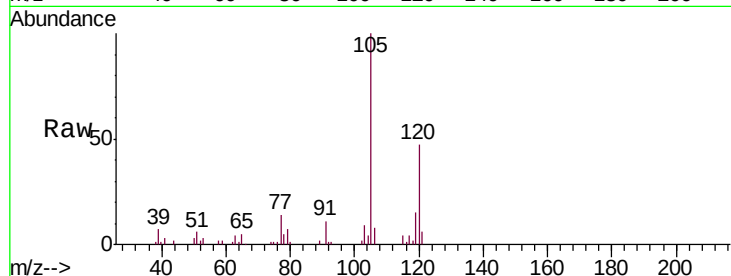




#62
 1,3,5-Trimethylbenzene
 Concen: 4.298 ug/L
 RT: 10.76 min Scan# 3007
 Delta R.T. 0.00 min
 Lab File: VU033467.D
 Acq: 29 Jul 2019 11:43

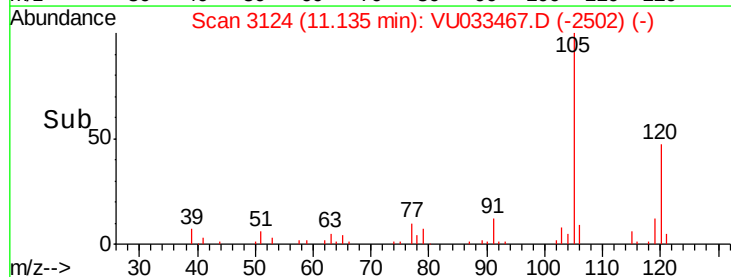
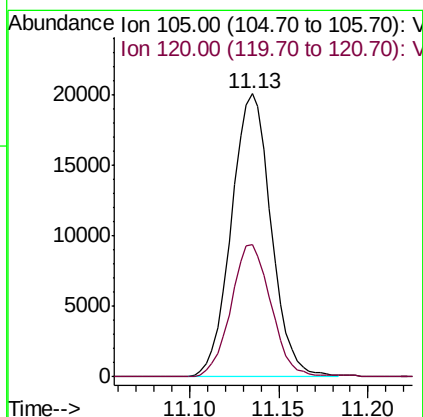
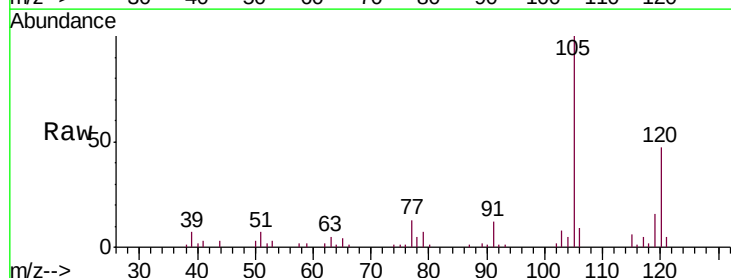
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

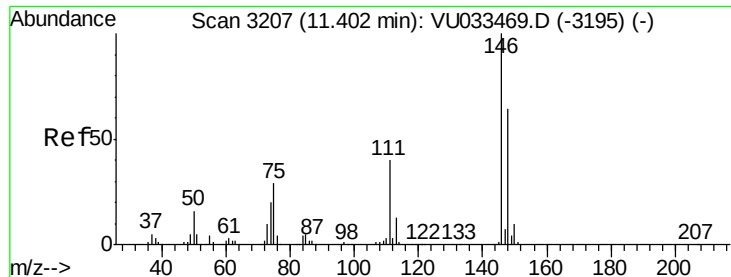
Tgt Ion:105 Resp: 32281
 Ion Ratio Lower Upper
 105 100
 120 47.7 39.0 58.6



#63
 1,2,4-Trimethylbenzene
 Concen: 4.111 ug/L
 RT: 11.13 min Scan# 3124
 Delta R.T. 0.00 min
 Lab File: VU033467.D
 Acq: 29 Jul 2019 11:43

Tgt Ion:105 Resp: 31107
 Ion Ratio Lower Upper
 105 100
 120 46.7 36.6 55.0

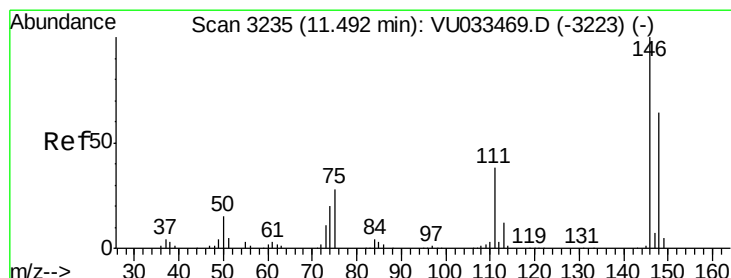
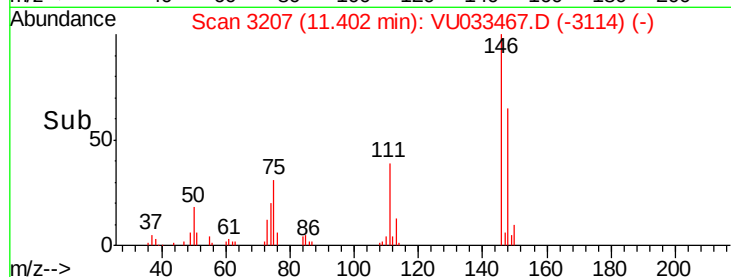
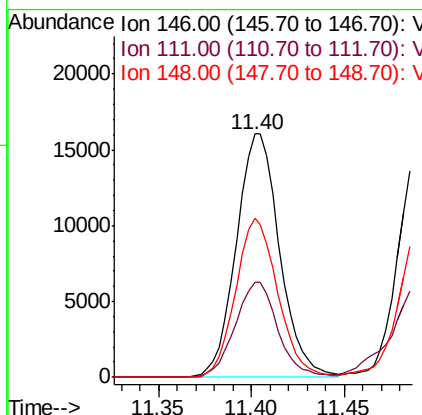
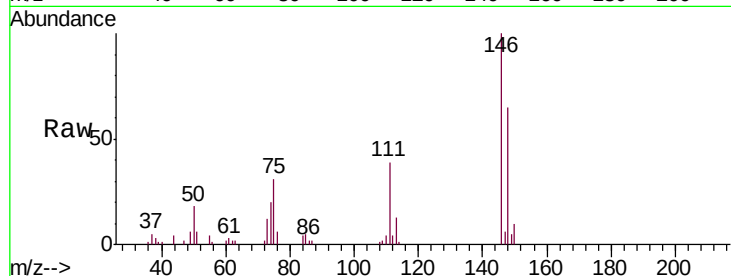




#64
 1,3-Dichlorobenzene
 Concen: 6.000 ug/L
 RT: 11.40 min Scan# 3207
 Delta R.T. 0.00 min
 Lab File: VU033467.D
 Acq: 29 Jul 2019 11:43

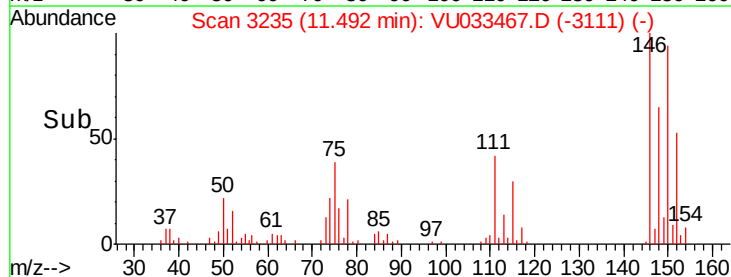
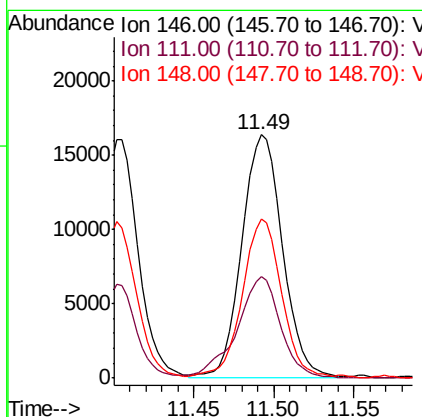
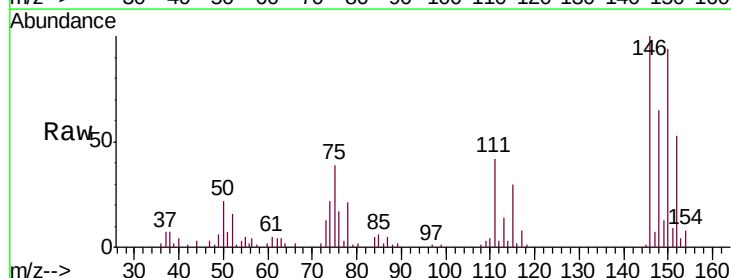
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

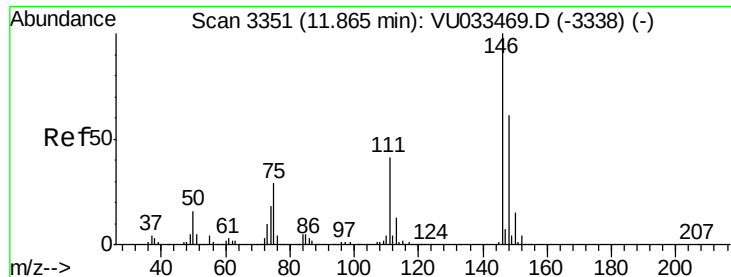
Tgt Ion:146 Resp: 26091
 Ion Ratio Lower Upper
 146 100
 111 39.2 28.2 52.4
 148 65.5 44.4 82.5



#65
 1,4-Dichlorobenzene
 Concen: 6.486 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU033467.D
 Acq: 29 Jul 2019 11:43

Tgt Ion:146 Resp: 28469
 Ion Ratio Lower Upper
 146 100
 111 41.9 27.0 50.2
 148 65.1 44.7 82.9

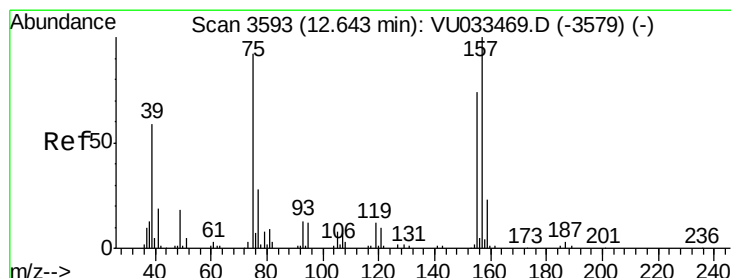
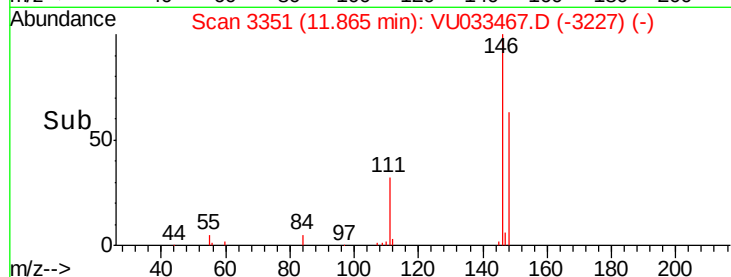
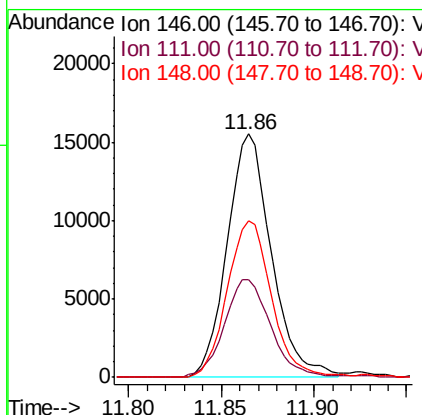
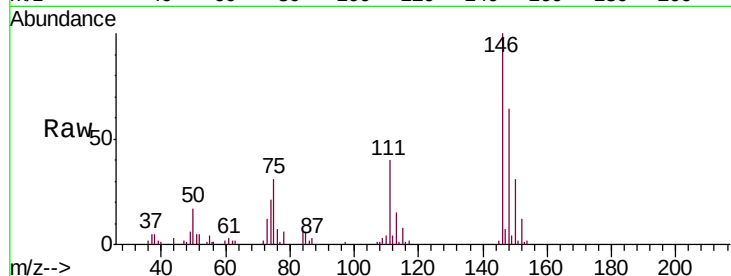




#67
 1,2-Dichlorobenzene
 Concen: 5.811 ug/L
 RT: 11.86 min Scan# 3351
 Delta R.T. 0.00 min
 Lab File: VU033467.D
 Acq: 29 Jul 2019 11:43

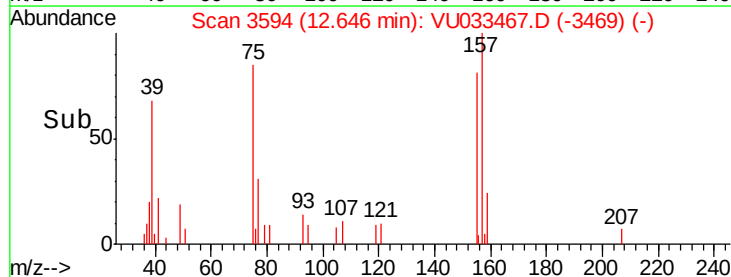
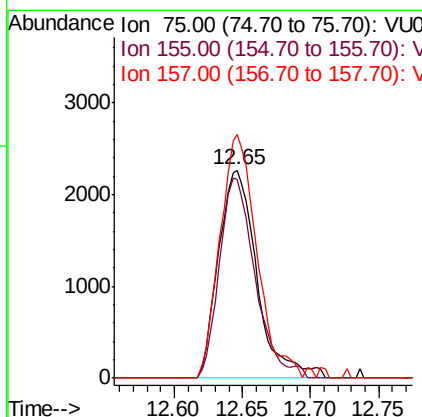
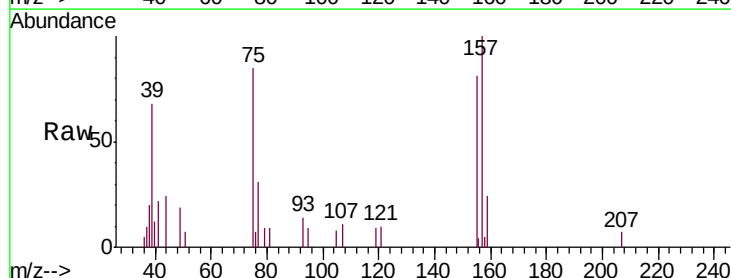
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

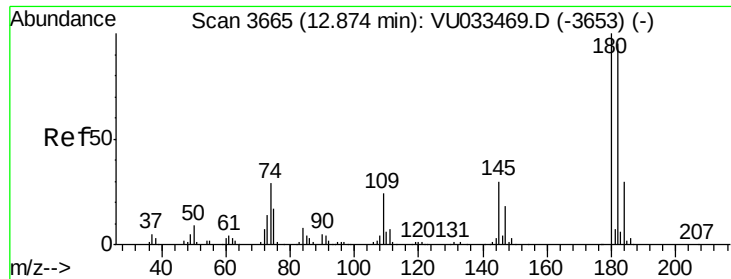
Tgt Ion: 146 Resp: 25731
 Ion Ratio Lower Upper
 146 100
 111 40.3 32.8 49.2
 148 64.3 49.2 73.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.723 ug/L
 RT: 12.65 min Scan# 3594
 Delta R.T. 0.00 min
 Lab File: VU033467.D
 Acq: 29 Jul 2019 11:43

Tgt Ion: 75 Resp: 4429
 Ion Ratio Lower Upper
 75 100
 155 95.5 64.8 97.2
 157 117.2 87.1 130.7

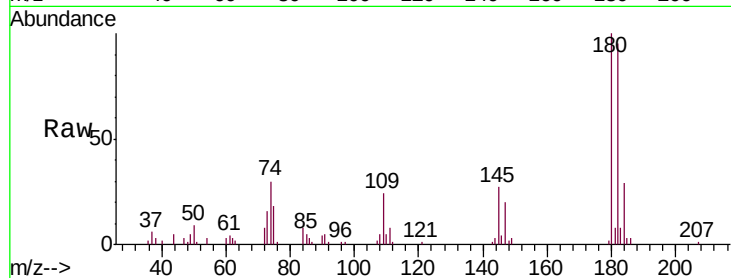




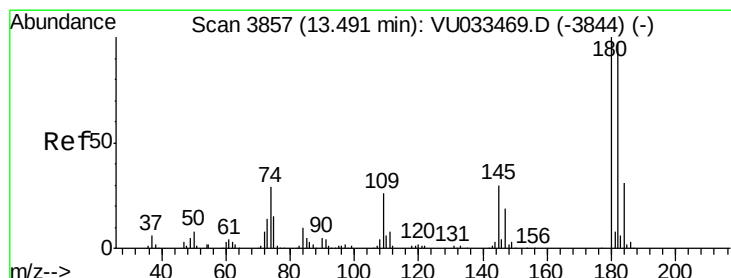
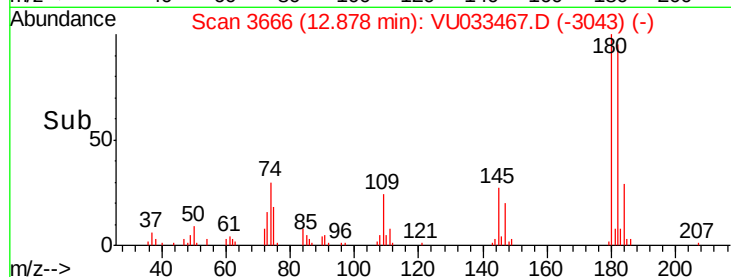
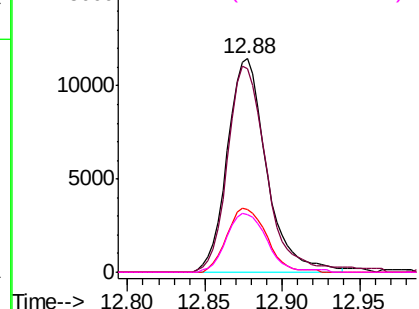
#69
 1,3,5-Trichlorobenzene
 Concen: 6.147 ug/L
 RT: 12.88 min Scan# 3666
 Delta R.T. 0.00 min
 Lab File: VU033467.D
 Acq: 29 Jul 2019 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

Tgt Ion:180 Resp: 20183
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.2 114.4
 184 29.9 24.1 36.1
 145 27.9 23.7 35.5

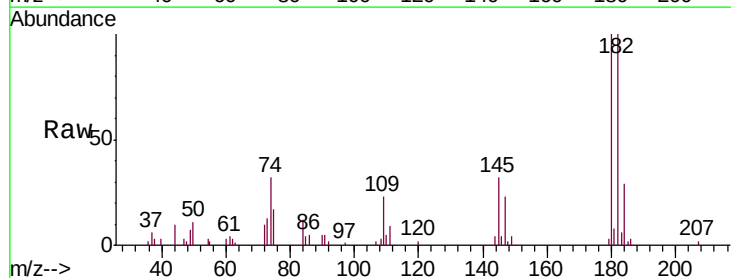


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

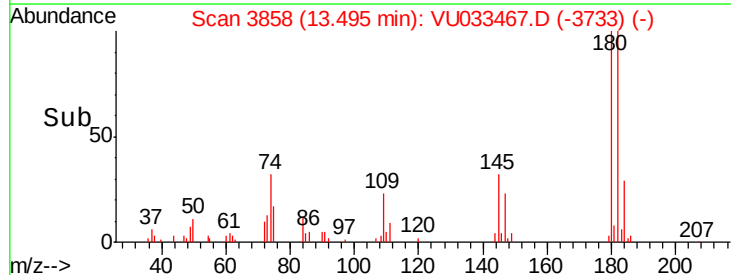
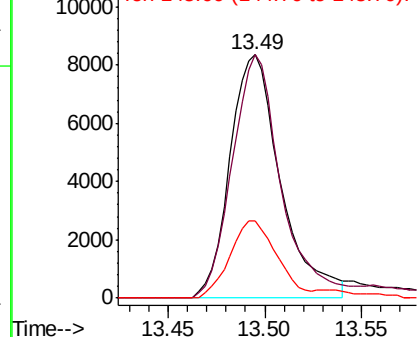


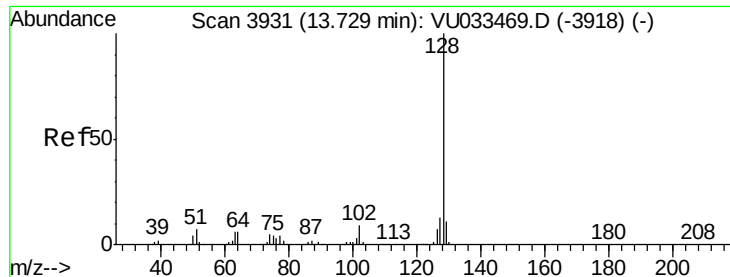
#70
 1,2,4-trichlorobenzene
 Concen: 5.502 ug/L
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.00 min
 Lab File: VU033467.D
 Acq: 29 Jul 2019 11:43

Tgt Ion:180 Resp: 15198
 Ion Ratio Lower Upper
 180 100
 182 96.7 77.5 116.3
 145 29.3 23.9 35.9



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

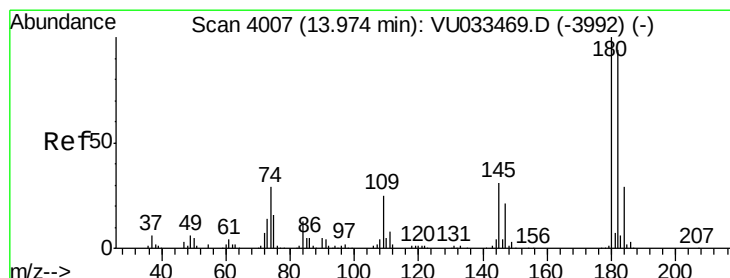
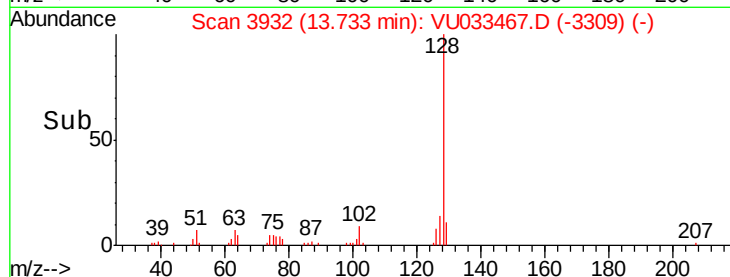
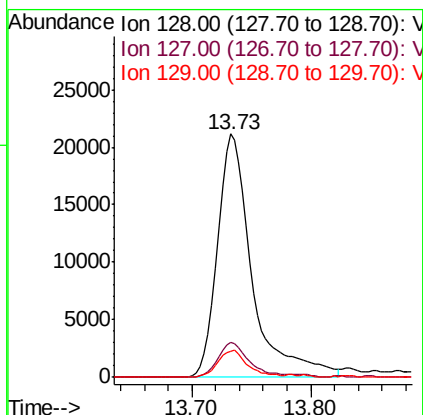
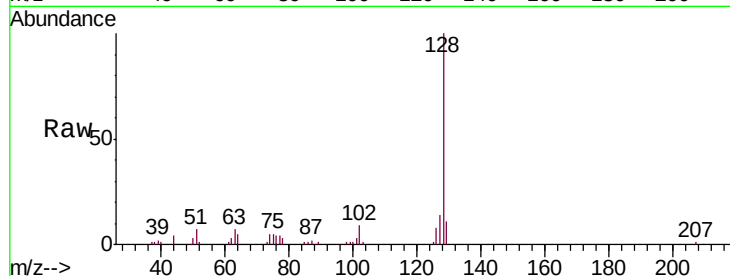




#71
Naphthalene
Concen: 5.085 ug/L
RT: 13.73 min Scan# 3932
Delta R.T. 0.00 min
Lab File: VU033467.D
Acq: 29 Jul 2019 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

Tgt Ion:128 Resp: 42837
Ion Ratio Lower Upper
128 100
127 12.4 10.8 16.2
129 9.5 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 5.472 ug/L
RT: 13.98 min Scan# 4008
Delta R.T. 0.00 min
Lab File: VU033467.D
Acq: 29 Jul 2019 11:43

Tgt Ion:180 Resp: 16382
Ion Ratio Lower Upper
180 100
182 101.1 76.4 114.6
145 30.9 24.9 37.3

