

Data File : VU033465.D
Acq On : 26 Jul 2019 19:45
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Quant Time: Jul 27 02:04:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 27 01:57:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	279592	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	291001	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	148747	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	89868	42.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.92%
7) Chloroethane-d5	1.67	69	88741	49.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.16%
11) 1,1-Dichloroethene-d2	2.26	63	186523	48.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.18%
21) 2-Butanone-d5	4.15	46	158363	118.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.09%
24) Chloroform-d	4.62	84	183670	51.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.56%
26) 1,2-Dichloroethane-d4	5.29	65	118603	52.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.26%
32) Benzene-d6	5.32	84	347872	48.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.46%
36) 1,2-Dichloropropane-d6	6.31	67	115702	50.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.20%
41) Toluene-d8	7.55	98	322437	47.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.80%
43) trans-1,3-Dichloropropene-	7.83	79	53767	47.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.90%
47) 2-Hexanone-d5	8.29	63	109266	105.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.99%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	191214	55.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.50%
64) 1,2-Dichlorobenzene-d4	11.85	152	131693	49.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.30%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	134493	48.541	ug/L 100
3) Chloromethane	1.32	50	134432	49.249	ug/L 100
5) Vinyl chloride	1.39	62	154597	49.000	ug/L 99
6) Bromomethane	1.61	94	93529	47.552	ug/L 99
8) Chloroethane	1.68	64	98106	51.409	ug/L 99
9) Trichlorofluoromethane	1.87	101	211064	50.874	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	100148	52.505	ug/L 97
12) 1,1-Dichloroethene	2.27	96	96200	51.549	ug/L 92
13) Acetone	2.31	43	118340	70.627	ug/L 99
14) Carbon disulfide	2.46	76	265755	46.562	ug/L 99
15) Methyl Acetate	2.60	43	114441	52.302	ug/L 99
16) Methylene chloride	2.68	84	110161	51.701	ug/L 97
17) trans-1,2-Dichloroethene	2.96	96	97055	50.320	ug/L 99
18) Methyl tert-butyl Ether	2.98	73	302664	50.839	ug/L 99
19) 1,1-Dichloroethane	3.42	63	194547	52.474	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	113030	51.955	ug/L 98
22) 2-Butanone	4.23	43	169947	91.302	ug/L 100

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QLast Update : Sat Jul 27 01:57:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	58892	52.865	ug/L	98
25) Chloroform	4.65	83	209211	53.058	ug/L	99
27) 1,2-Dichloroethane	5.38	62	159939	52.382	ug/L	100
29) Cyclohexane	4.97	56	150863	47.577	ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	171328	50.465	ug/L	99
31) Carbon tetrachloride	5.11	117	149856	50.439	ug/L	99
33) Benzene	5.37	78	432000	50.905	ug/L	100
34) Trichloroethene	6.16	95	110526	49.800	ug/L	98
35) Methylcyclohexane	6.40	83	159215	46.830	ug/L	98
37) 1,2-Dichloropropane	6.41	63	116609	50.667	ug/L	100
38) Bromodichloromethane	6.74	83	151982	51.194	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	174317	49.400	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	316837	102.623	ug/L	99
42) Toluene	7.62	91	478229	52.270	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	159555	50.138	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	113158	51.987	ug/L	98
46) Tetrachloroethene	8.21	164	87417	50.879	ug/L	99
48) 2-Hexanone	8.34	43	248266	98.705	ug/L	98
49) Dibromochloromethane	8.46	129	124281	51.185	ug/L	100
50) 1,2-Dibromoethane	8.57	107	120825	50.911	ug/L	97
51) Chlorobenzene	9.10	112	303969	50.901	ug/L	98
52) Ethylbenzene	9.23	91	508214	51.910	ug/L	99
53) m,p-Xylene	9.36	106	191488	51.638	ug/L	98
54) o-xylene	9.76	106	191152	51.914	ug/L	99
55) Styrene	9.77	104	333130	53.363	ug/L	97
56) Isopropylbenzene	10.15	105	487673	51.469	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	196876	51.493	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	154511	51.570	ug/L	99
61) Bromoform	9.94	173	91330	50.274	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	221236	48.317	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	235990	49.293	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	237703	50.619	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	41499	46.302	ug/L	97
67) 1,3,5-Trichlorobenzene	12.87	180	170195	51.433	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	147266	50.950	ug/L	99
69) Naphthalene	13.73	128	482695	52.084	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	156417	49.847	ug/L	99

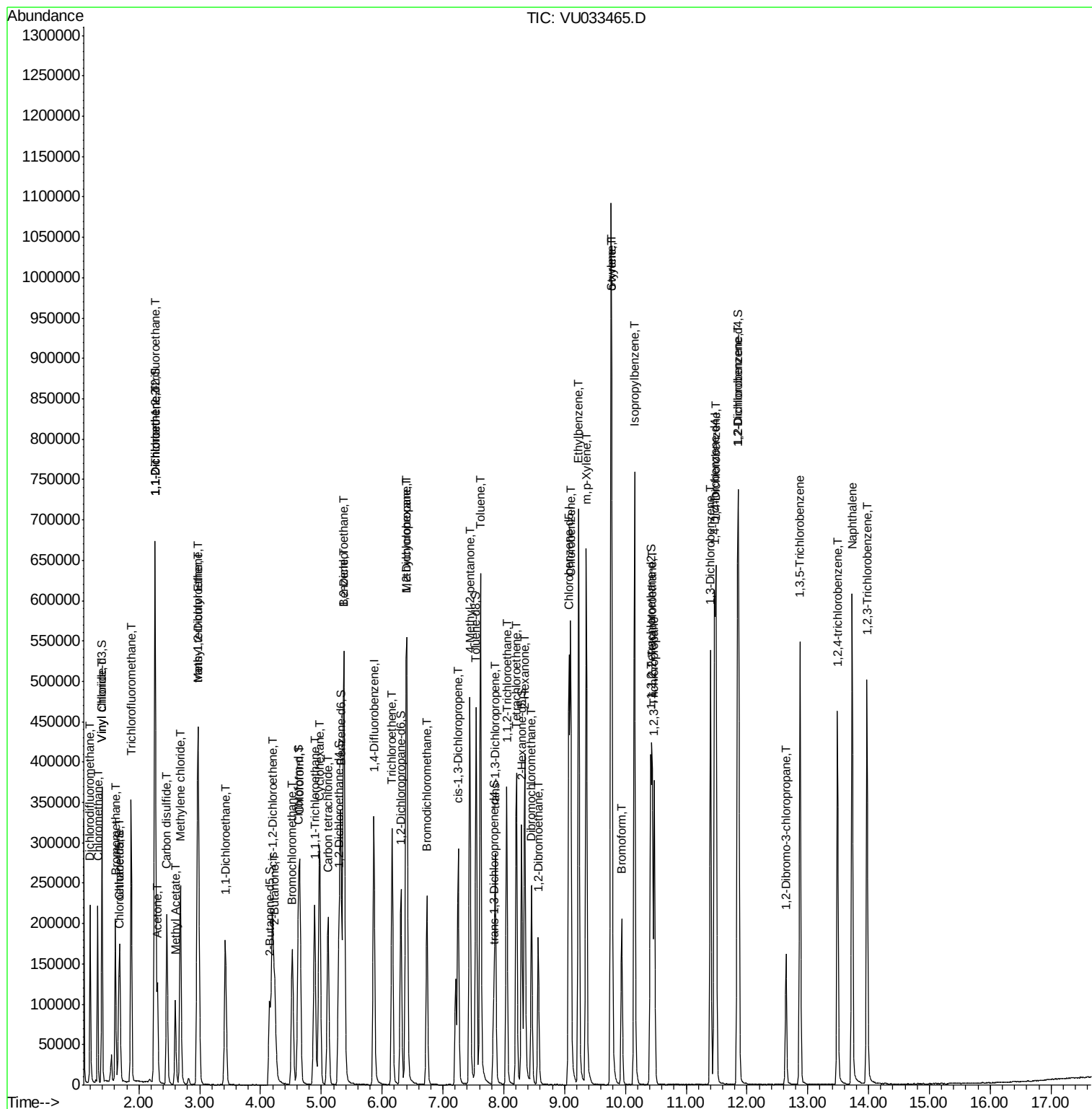
(#) = qualifier out of range (m) = manual integration (+) = signals summed

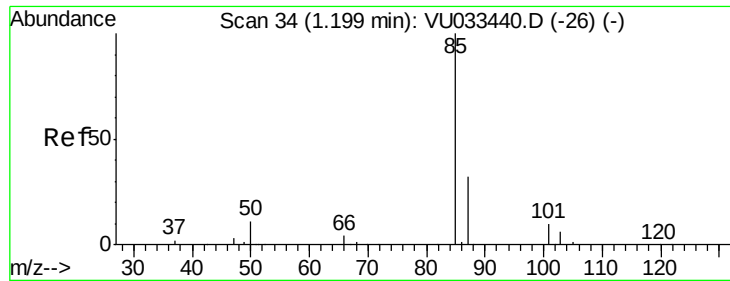
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#2

Dichlorodifluoromethane

Concen: 48.541 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033465.D

Acq: 26 Jul 2019 19:45

Instrument :

MSVOA_U

ClientSampleId :

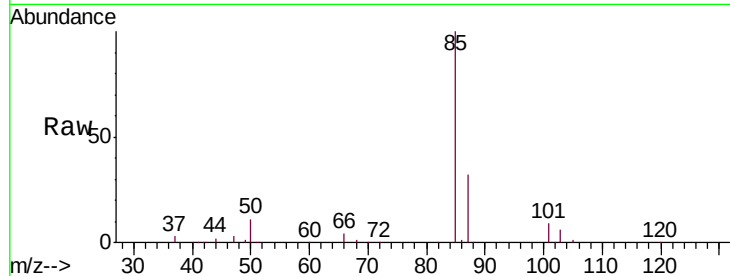
VSTD05059

Tgt Ion: 85 Resp: 134493

Ion Ratio Lower Upper

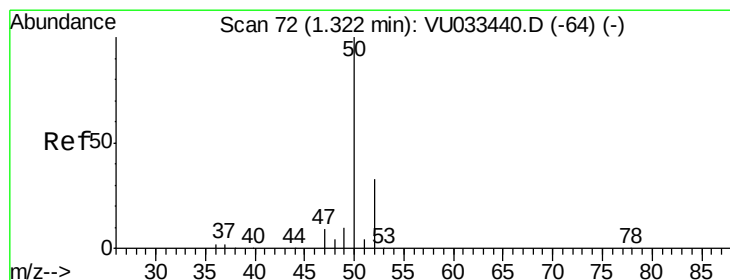
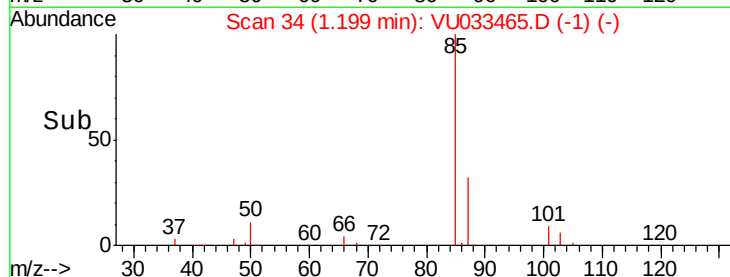
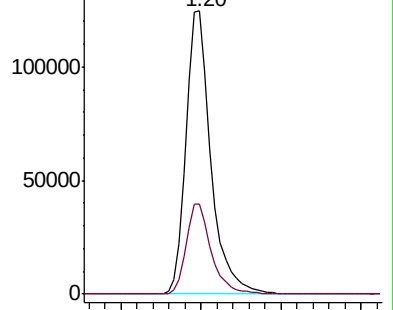
85 100

87 32.1 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU033440.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033440.D (-26) (-)



#3

Chloromethane

Concen: 49.249 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU033465.D

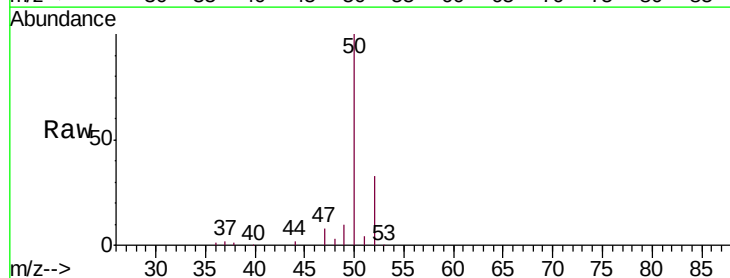
Acq: 26 Jul 2019 19:45

Tgt Ion: 50 Resp: 134432

Ion Ratio Lower Upper

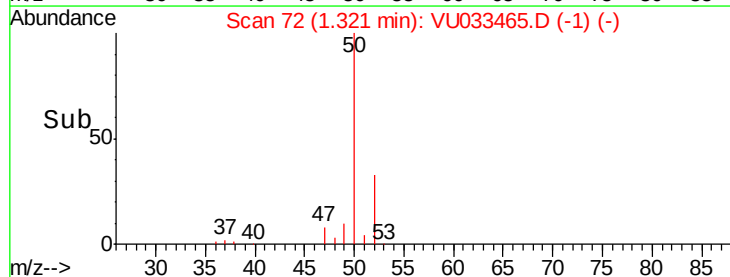
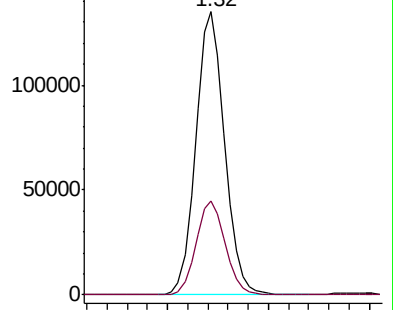
50 100

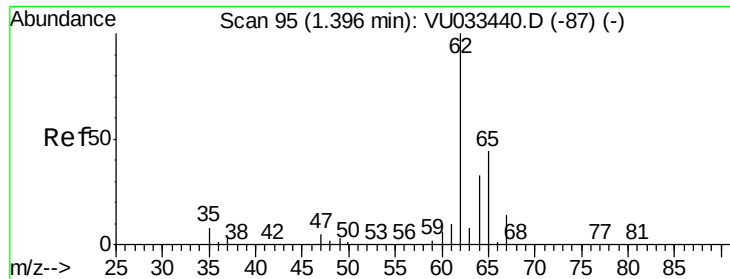
52 33.2 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VU033440.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU033440.D (-64) (-)





#5

Vinyl chloride

Concen: 49.000 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033465.D

Acq: 26 Jul 2019 19:45

Instrument :

MSVOA_U

ClientSampleId :

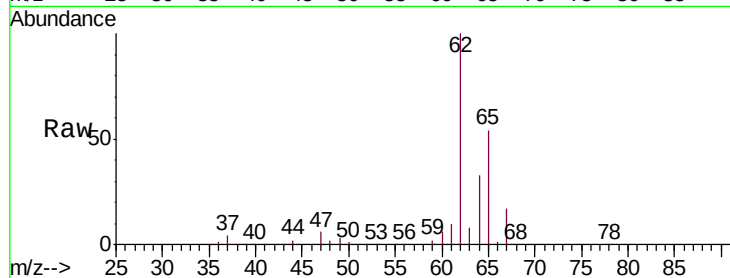
VSTD05059

Tgt Ion: 62 Resp: 154597

Ion Ratio Lower Upper

62 100

64 33.0 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU033440.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU033440.D (-87) (-)

1.39

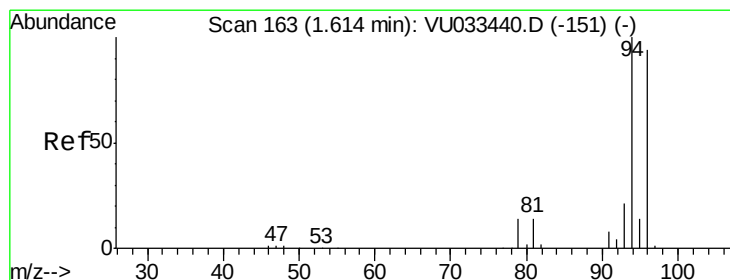
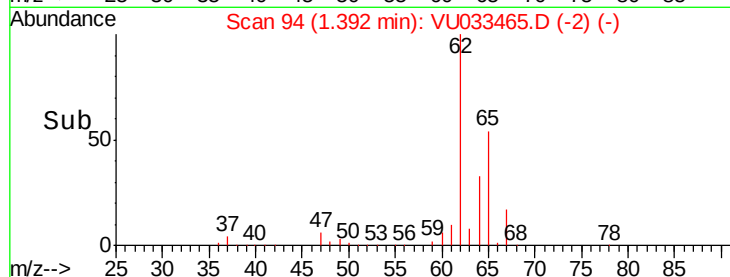
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 47.552 ug/L

RT: 1.61 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU033465.D

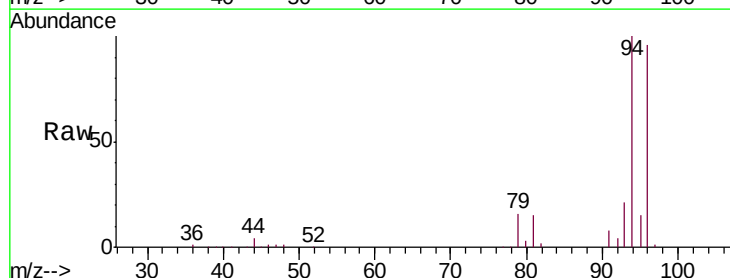
Acq: 26 Jul 2019 19:45

Tgt Ion: 94 Resp: 93529

Ion Ratio Lower Upper

94 100

96 95.7 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU033440.D (-151) (-)

Ion 96.00 (95.70 to 96.70): VU033440.D (-151) (-)

1.61

80000

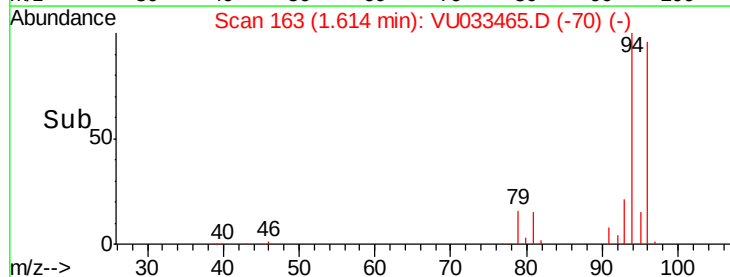
60000

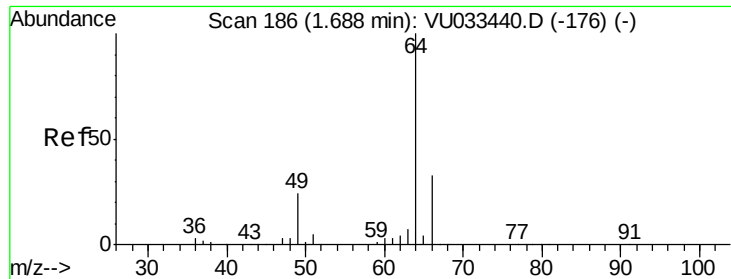
40000

20000

0

Time-->





#8

Chloroethane

Concen: 51.409 ug/L

RT: 1.68 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU033465.D

Acq: 26 Jul 2019 19:45

Instrument :

MSVOA_U

ClientSampleId :

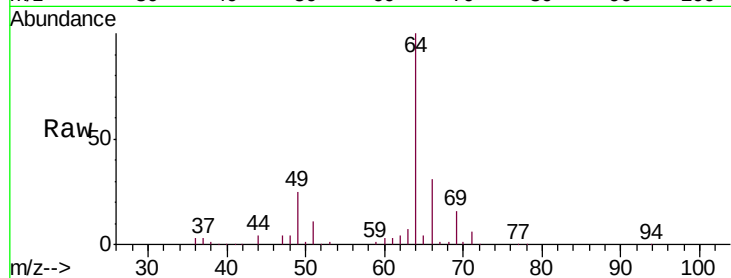
VSTD05059

Tgt Ion: 64 Resp: 98106

Ion Ratio Lower Upper

64 100

66 31.2 21.6 40.0



Abundance Ion 64.00 (63.70 to 64.70): VU033440.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU033440.D (-176) (-)

1.68

80000

60000

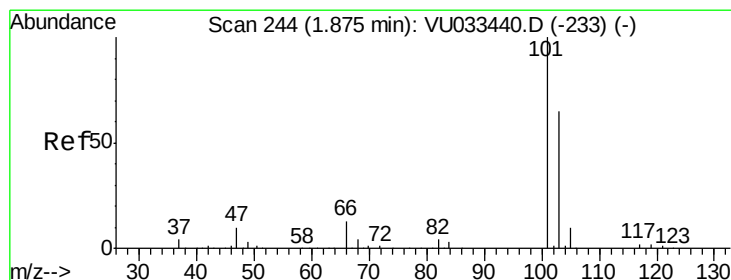
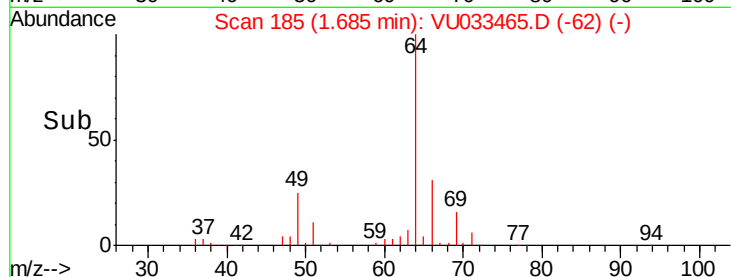
40000

20000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 50.874 ug/L

RT: 1.87 min Scan# 243

Delta R.T. -0.00 min

Lab File: VU033465.D

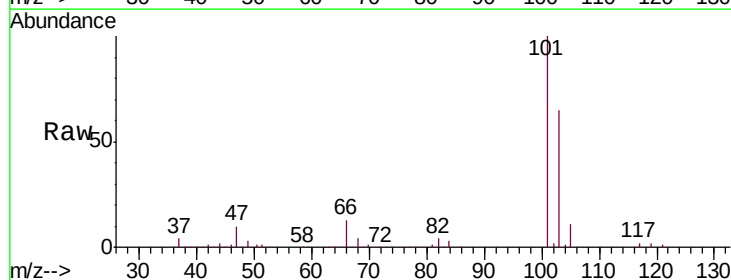
Acq: 26 Jul 2019 19:45

Tgt Ion: 101 Resp: 211064

Ion Ratio Lower Upper

101 100

103 64.5 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU033440.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU033440.D (-233) (-)

1.87

150000

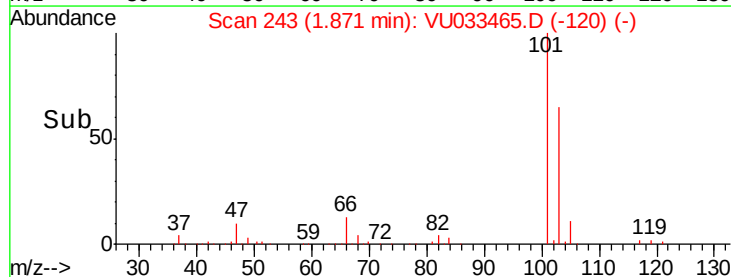
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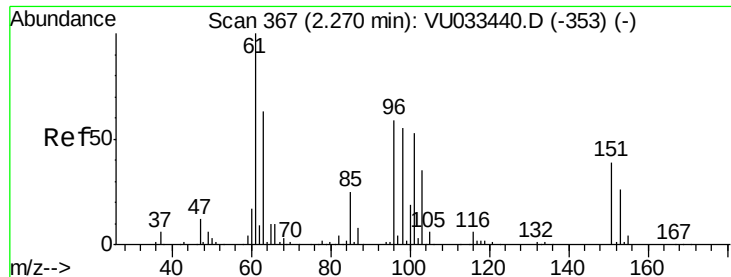
50000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 52.505 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033465.D

Acq: 26 Jul 2019 19:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

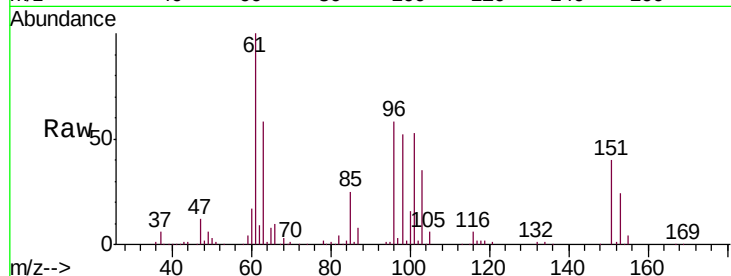
Tgt Ion: 101 Resp: 100148

Ion Ratio Lower Upper

101 100

85 44.5 35.8 53.8

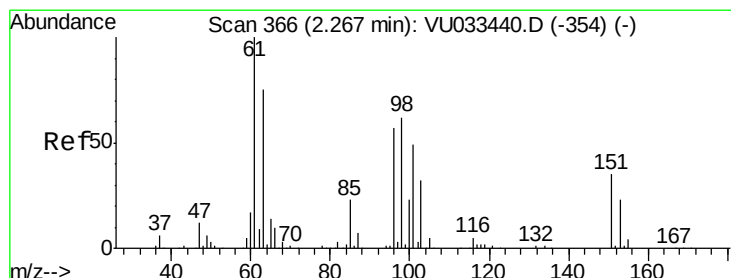
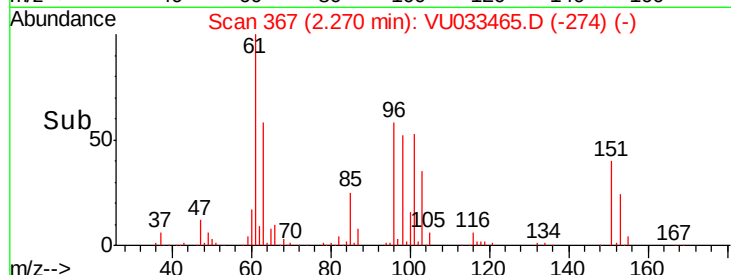
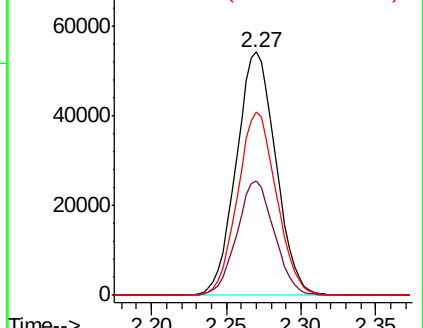
151 74.1 56.7 85.1



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: 51.549 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033465.D

Acq: 26 Jul 2019 19:45

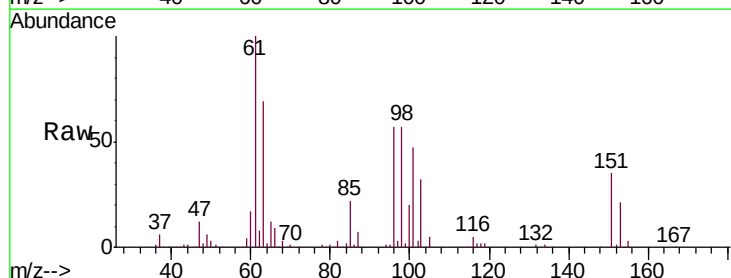
Tgt Ion: 96 Resp: 96200

Ion Ratio Lower Upper

96 100

61 176.0 126.1 234.1

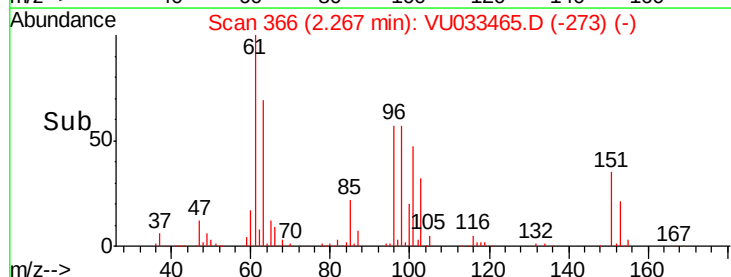
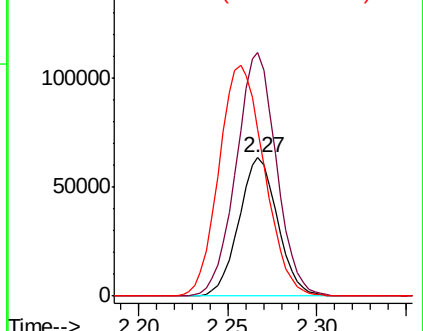
63 120.9 96.8 179.8

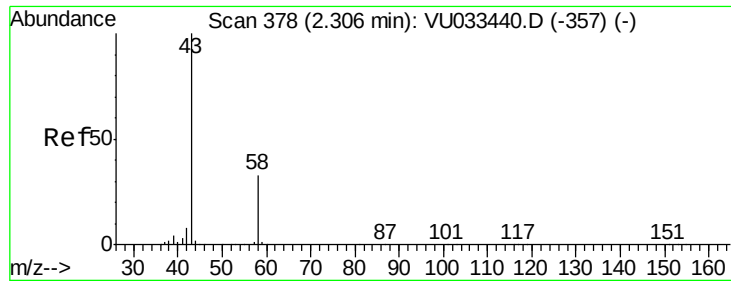


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 70.627 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

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ClientSampleId :

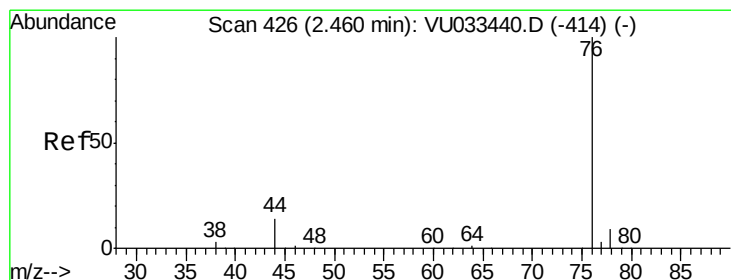
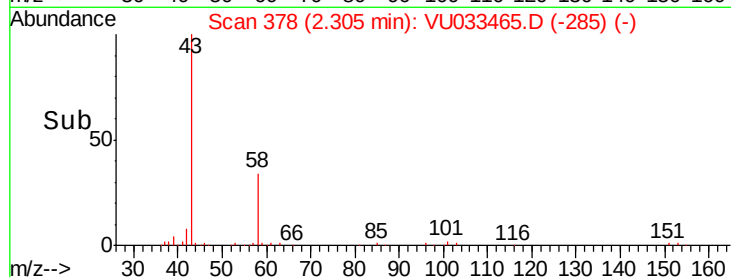
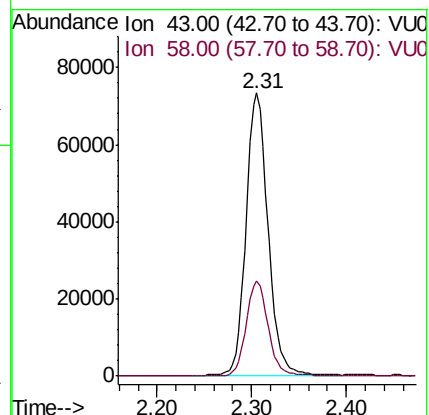
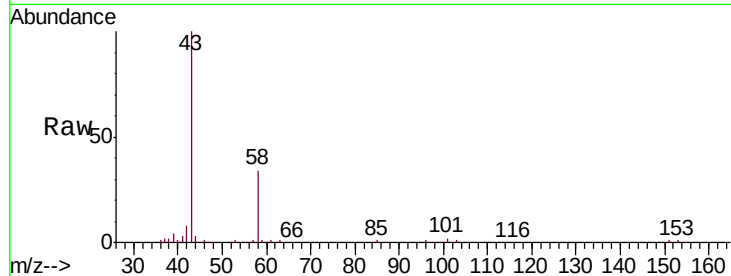
VSTD05059

Tgt Ion: 43 Resp: 118340

Ion Ratio Lower Upper

43 100

58 33.1 0.0 65.4



#14

Carbon disulfide

Concen: 46.562 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033465.D

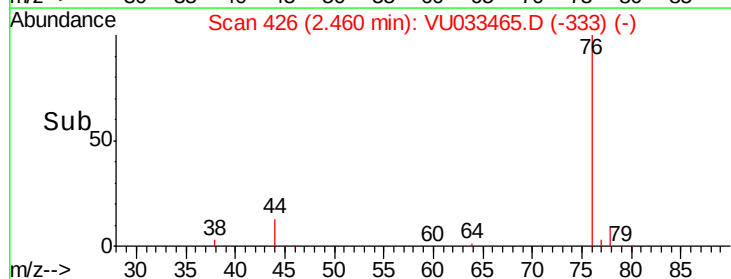
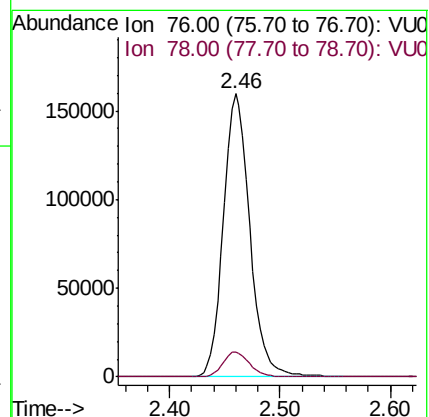
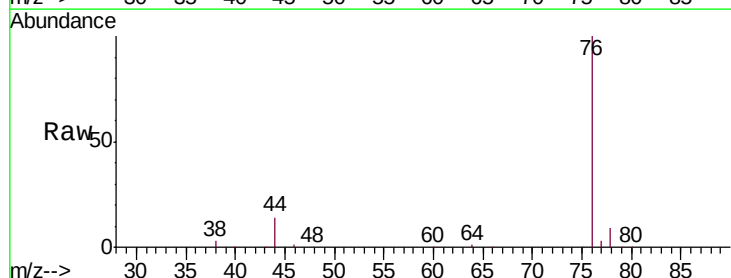
Acq: 26 Jul 2019 19:45

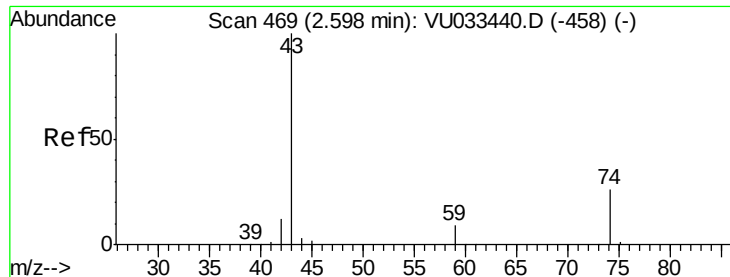
Tgt Ion: 76 Resp: 265755

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

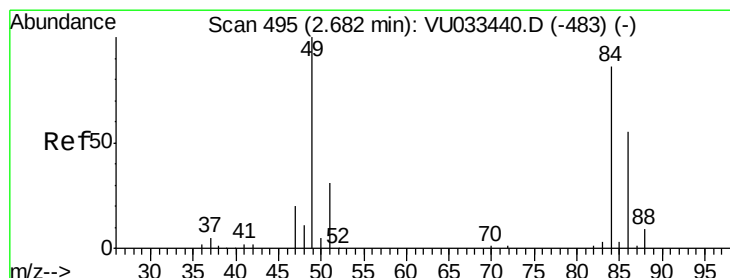
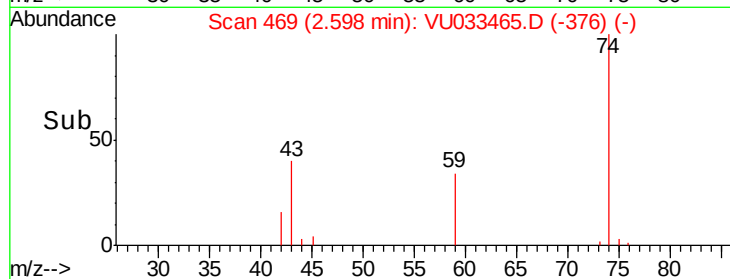
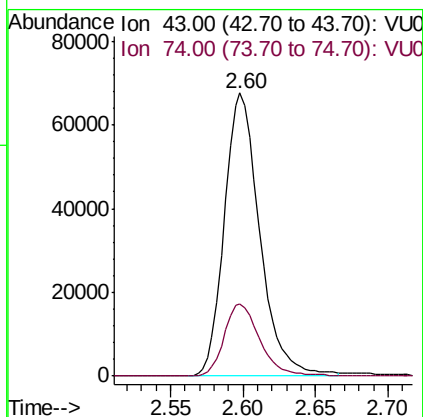
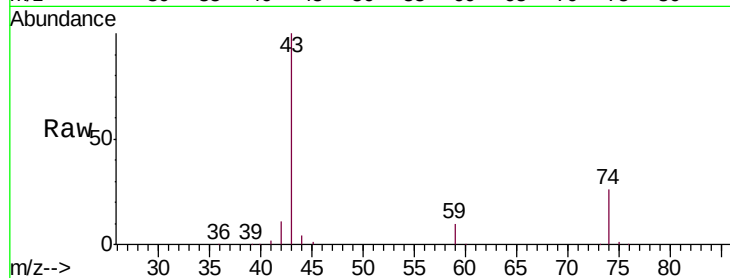




#15
Methyl Acetate
Concen: 52.302 ug/L
RT: 2.60 min Scan# 469
Delta R.T. -0.00 min
Lab File: VU033465.D
Acq: 26 Jul 2019 19:45

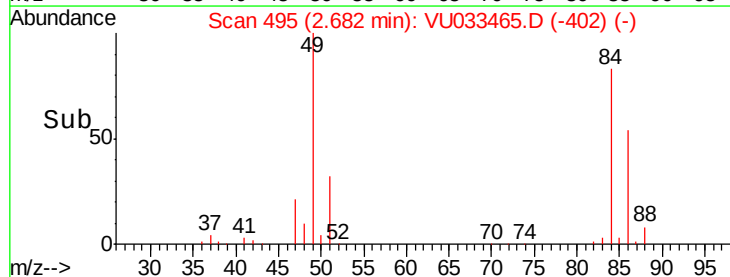
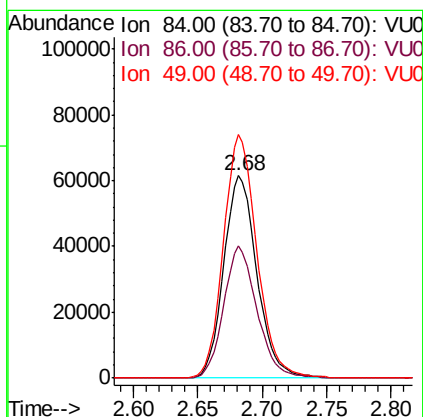
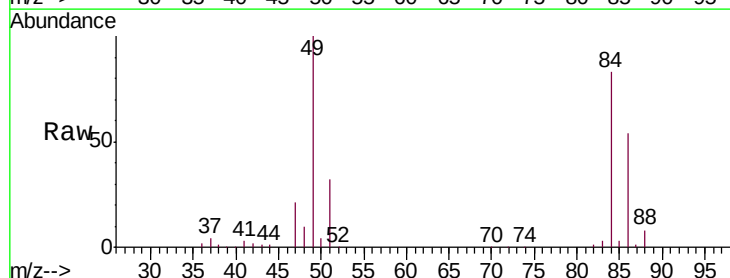
Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

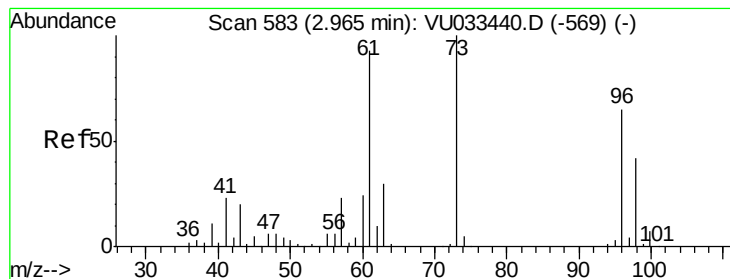
Tgt Ion: 43 Resp: 114441
Ion Ratio Lower Upper
43 100
74 25.6 19.9 29.9



#16
Methylene chloride
Concen: 51.701 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033465.D
Acq: 26 Jul 2019 19:45

Tgt Ion: 84 Resp: 110161
Ion Ratio Lower Upper
84 100
86 65.2 45.7 84.9
49 120.4 87.7 162.9





#17

trans-1,2-Dichloroethene

Concen: 50.320 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU033465.D

Acq: 26 Jul 2019 19:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

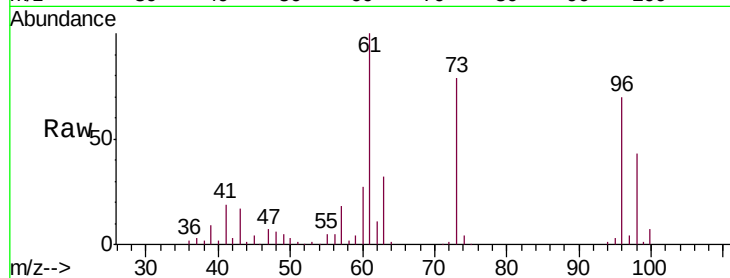
Tgt Ion: 96 Resp: 97055

Ion Ratio Lower Upper

96 100

61 142.5 100.2 186.2

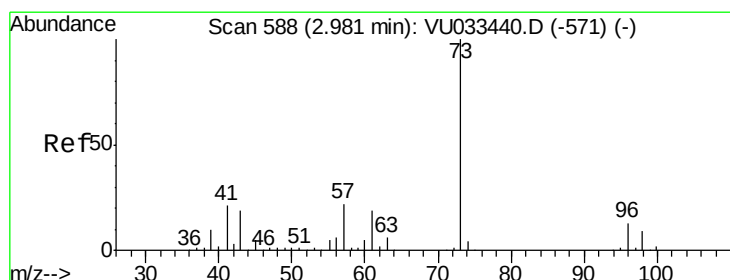
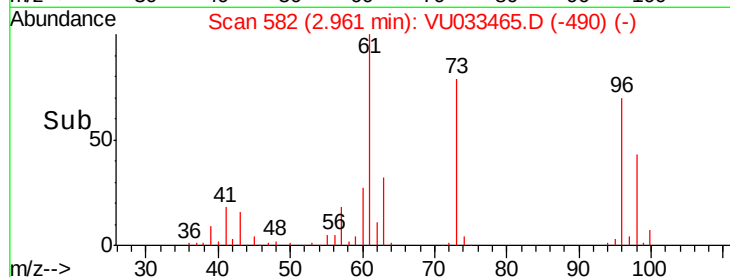
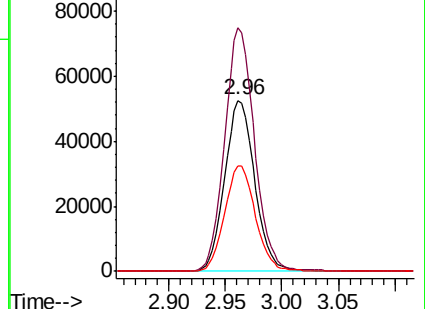
98 61.9 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VU033440.D (-569) (-)

Ion 61.00 (60.70 to 61.70): VU033440.D (-569) (-)

Ion 98.00 (97.70 to 98.70): VU033440.D (-569) (-)



#18

Methyl tert-butyl Ether

Concen: 50.839 ug/L

RT: 2.98 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU033465.D

Acq: 26 Jul 2019 19:45

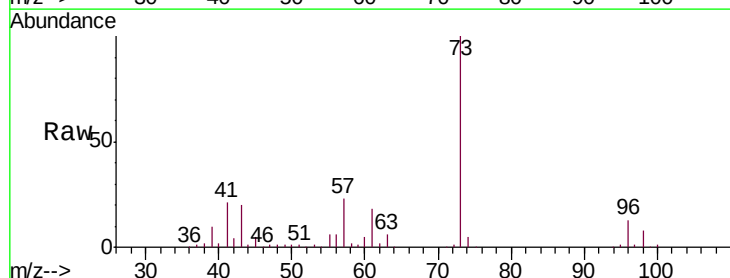
Tgt Ion: 73 Resp: 302664

Ion Ratio Lower Upper

73 100

43 19.9 15.7 23.5

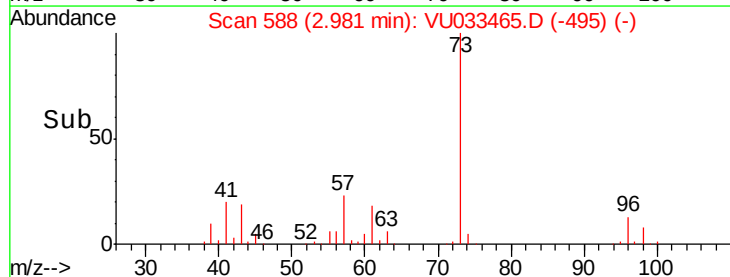
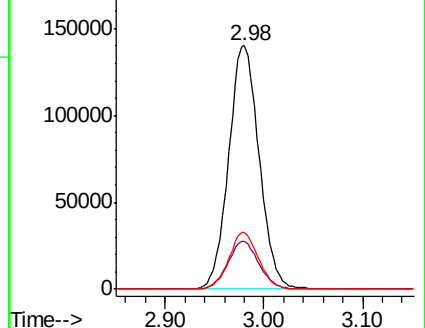
57 22.7 17.8 26.6

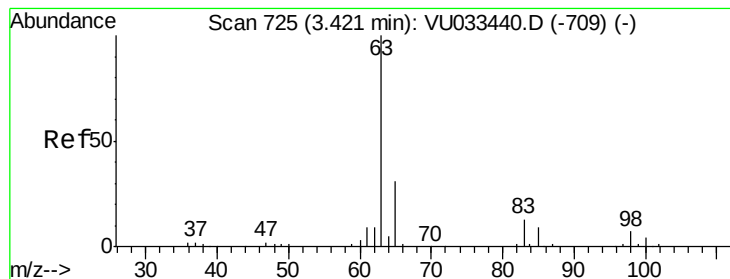


Abundance Ion 73.00 (72.70 to 73.70): VU033440.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU033440.D (-571) (-)

Ion 57.00 (56.70 to 57.70): VU033440.D (-571) (-)





#19

1,1-Dichloroethane

Concen: 52.474 ug/L

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VU033465.D

Acq: 26 Jul 2019 19:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

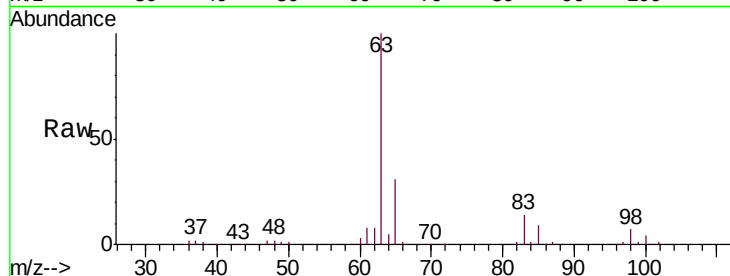
Tgt Ion: 63 Resp: 194547

Ion Ratio Lower Upper

63 100

65 31.0 22.3 41.5

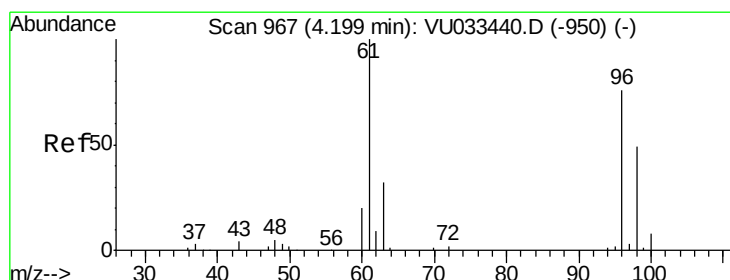
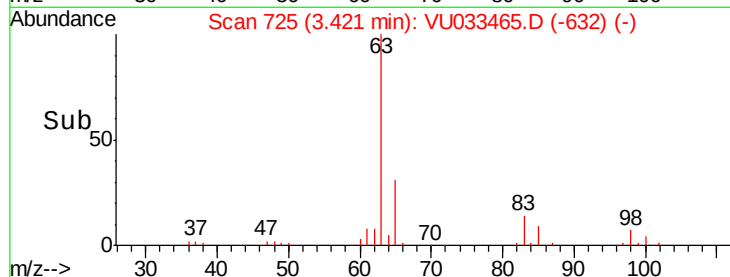
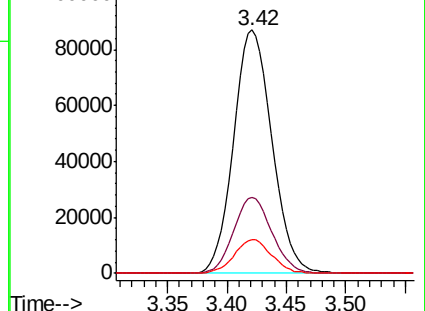
83 13.8 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VU033440.D (-709) (-)

Ion 65.00 (64.70 to 65.70): VU033440.D (-709) (-)

Ion 83.00 (82.70 to 83.70): VU033440.D (-709) (-)



#20

cis-1,2-Dichloroethene

Concen: 51.955 ug/L

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033465.D

Acq: 26 Jul 2019 19:45

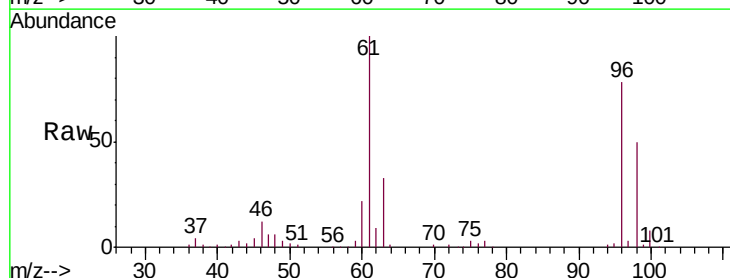
Tgt Ion: 96 Resp: 113030

Ion Ratio Lower Upper

96 100

61 128.1 91.1 169.1

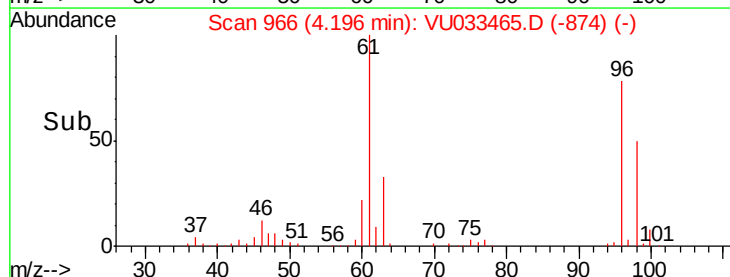
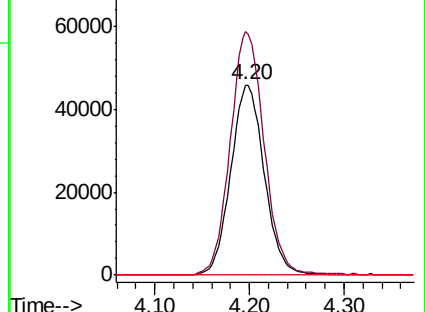
68 0.0 0.0 0.0

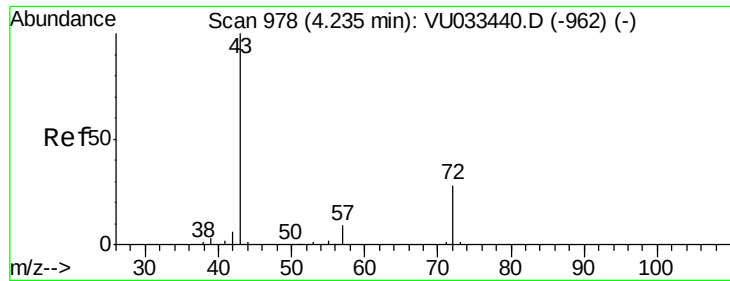


Abundance Ion 96.00 (95.70 to 96.70): VU033440.D (-950) (-)

Ion 61.00 (60.70 to 61.70): VU033440.D (-950) (-)

Ion 68.00 (67.70 to 68.70): VU033440.D (-950) (-)





#22

2-Butanone

Concen: 91.302 ug/L

RT: 4.23 min Scan# 978

Delta R.T. -0.00 min

Lab File: VU033465.D

Acq: 26 Jul 2019 19:45

Instrument :

MSVOA_U

ClientSampleId :

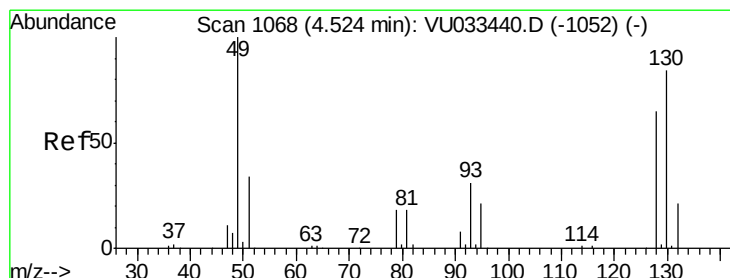
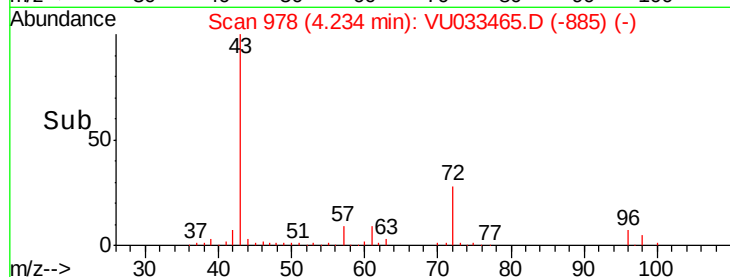
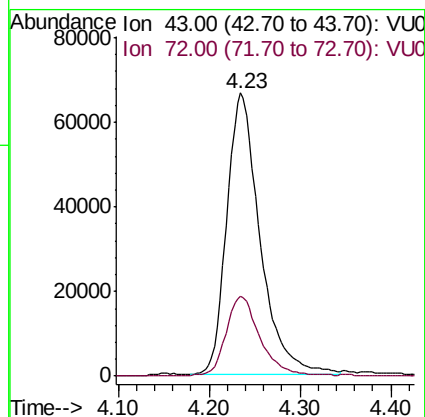
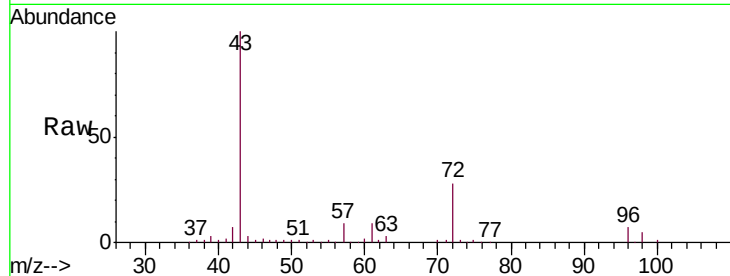
VSTD05059

Tgt Ion: 43 Resp: 169947

Ion Ratio Lower Upper

43 100

72 29.1 14.4 43.2



#23

Bromochloromethane

Concen: 52.865 ug/L

RT: 4.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU033465.D

Acq: 26 Jul 2019 19:45

Tgt Ion: 128 Resp: 58892

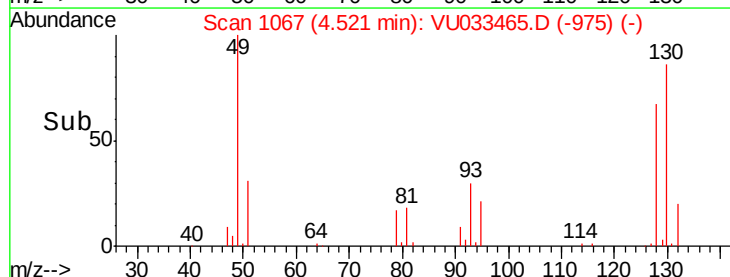
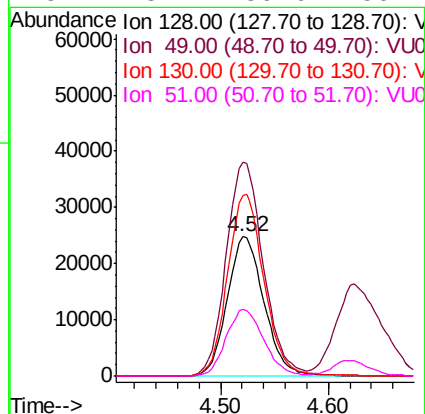
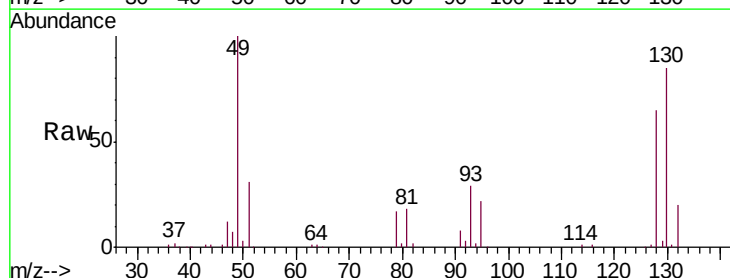
Ion Ratio Lower Upper

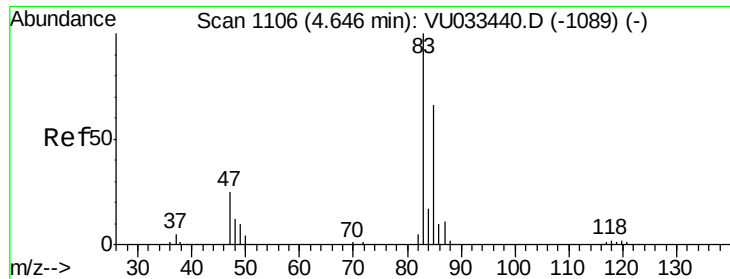
128 100

49 153.7 107.2 199.2

130 129.9 87.0 161.6

51 48.4 39.6 59.4

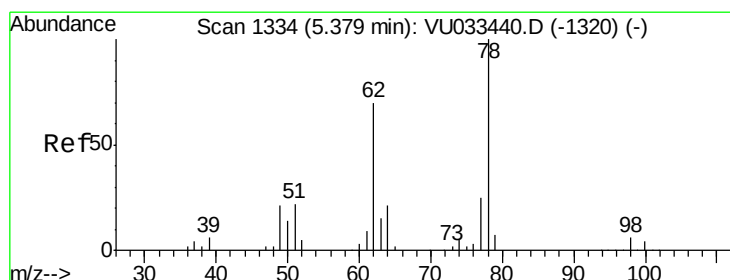
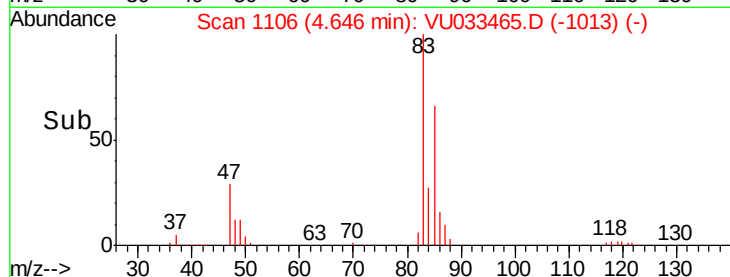
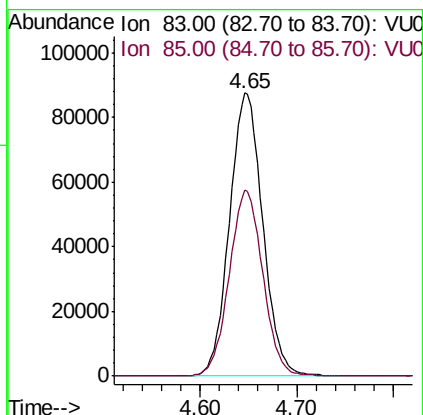
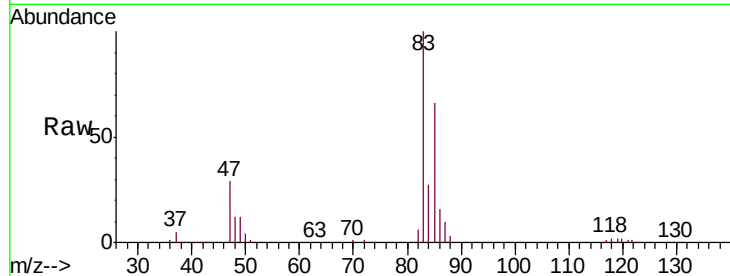




#25
Chloroform
Concen: 53.058 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033465.D
Acq: 26 Jul 2019 19:45

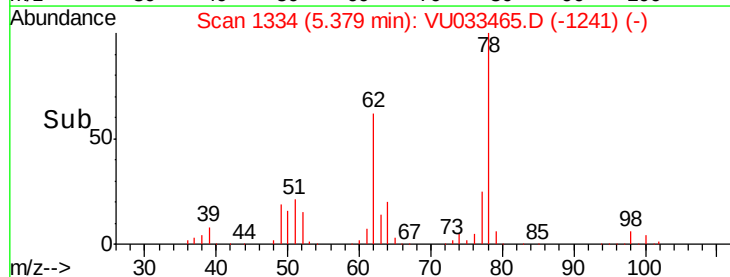
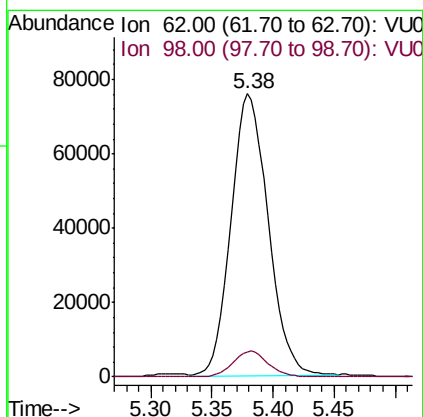
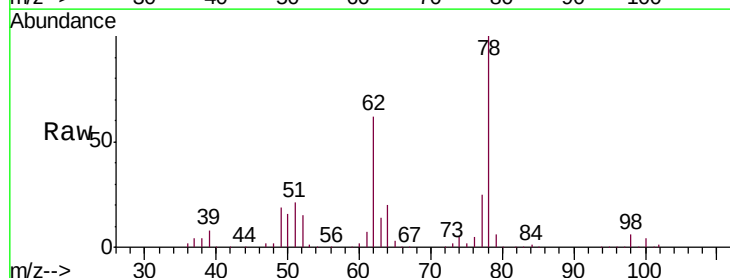
Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

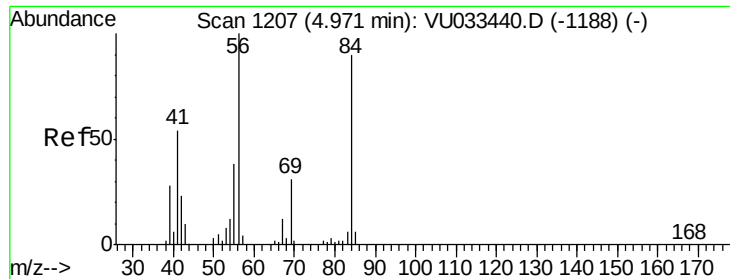
Tgt Ion: 83 Resp: 209211
Ion Ratio Lower Upper
83 100
85 65.8 45.4 84.4



#27
1,2-Dichloroethane
Concen: 52.382 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU033465.D
Acq: 26 Jul 2019 19:45

Tgt Ion: 62 Resp: 159939
Ion Ratio Lower Upper
62 100
98 8.9 7.0 10.6

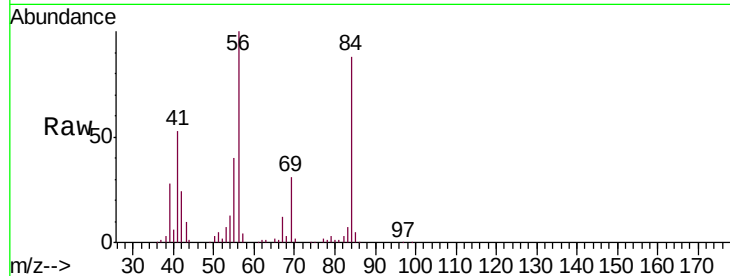




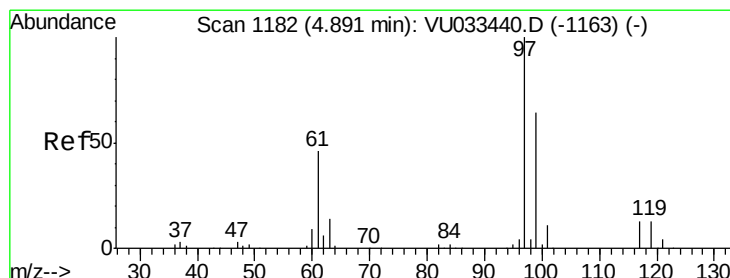
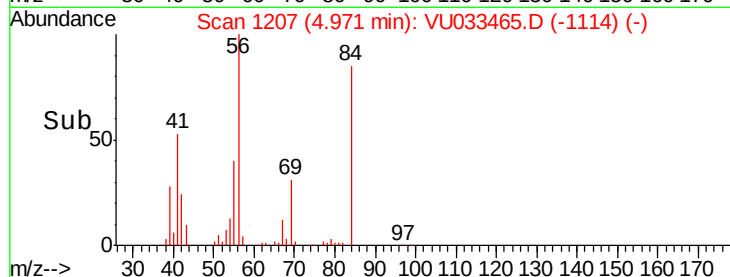
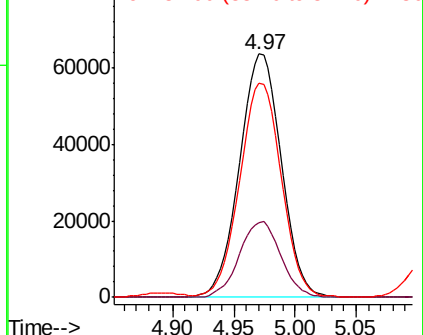
#29
Cyclohexane
Concen: 47.577 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU033465.D
Acq: 26 Jul 2019 19:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Tgt Ion: 56 Resp: 150863
Ion Ratio Lower Upper
56 100
69 30.9 24.7 37.1
84 87.2 70.2 105.2

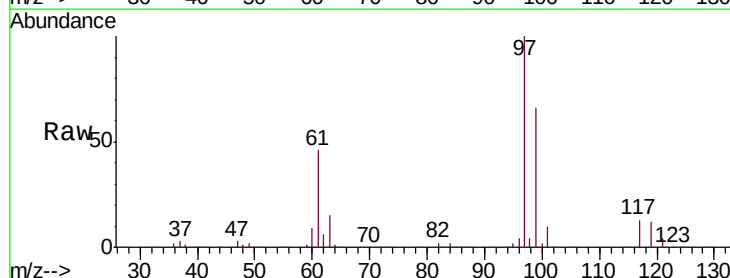


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

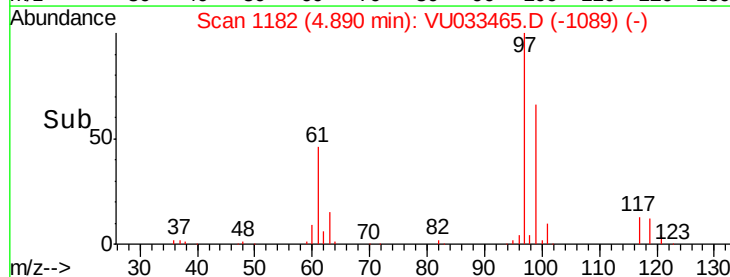
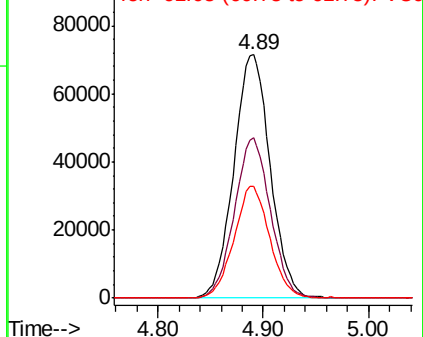


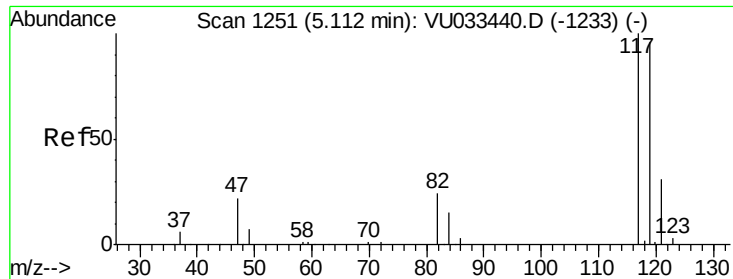
#30
1,1,1-Trichloroethane
Concen: 50.465 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU033465.D
Acq: 26 Jul 2019 19:45

Tgt Ion: 97 Resp: 171328
Ion Ratio Lower Upper
97 100
99 64.8 51.5 77.3
61 44.9 36.4 54.6



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

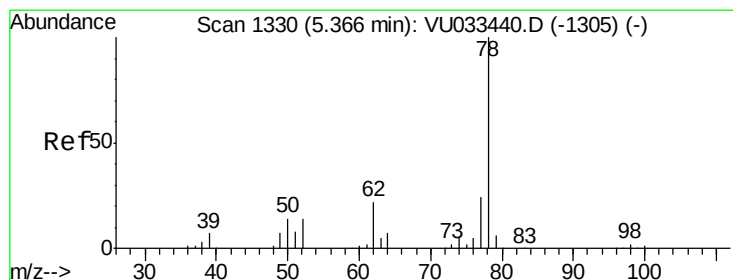
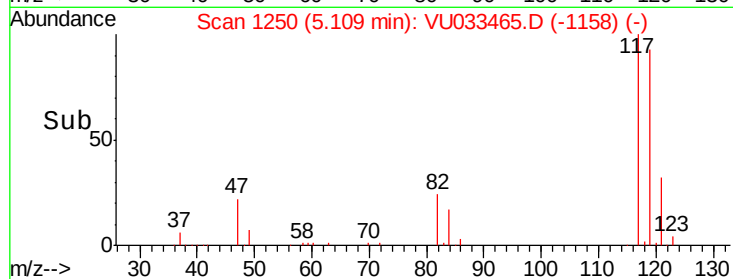
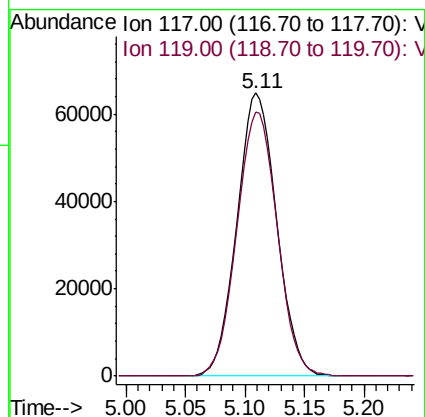
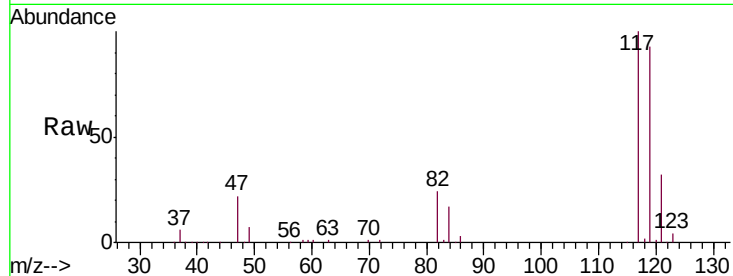




#31
Carbon tetrachloride
Concen: 50.439 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU033465.D
Acq: 26 Jul 2019 19:45

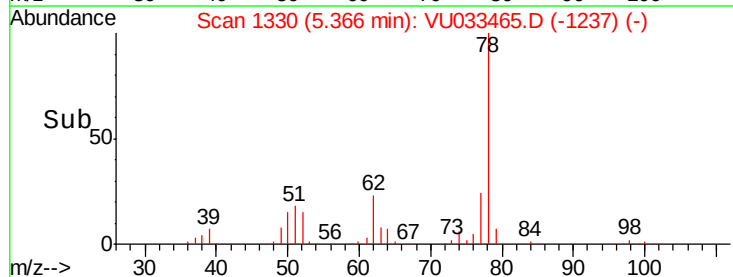
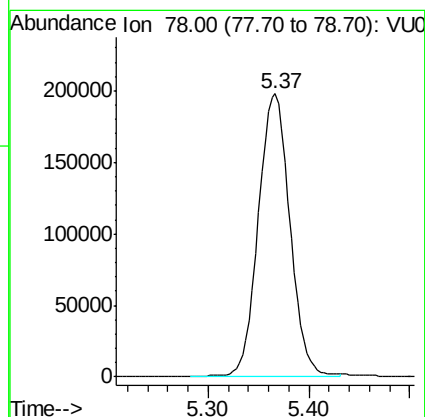
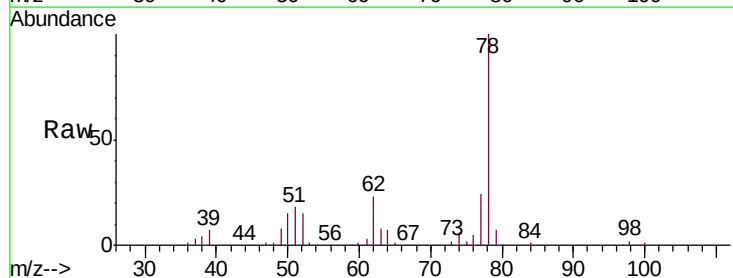
Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

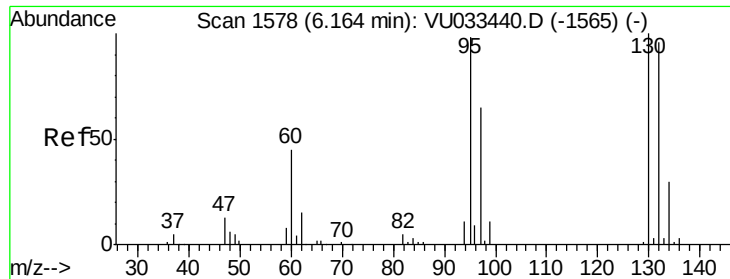
Tgt Ion:117 Resp: 149856
Ion Ratio Lower Upper
117 100
119 95.1 76.9 115.3



#33
Benzene
Concen: 50.905 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VU033465.D
Acq: 26 Jul 2019 19:45

Tgt Ion: 78 Resp: 432000





#34

Trichloroethene

Concen: 49.800 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033465.D

Acq: 26 Jul 2019 19:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

Tgt Ion: 95 Resp: 110526

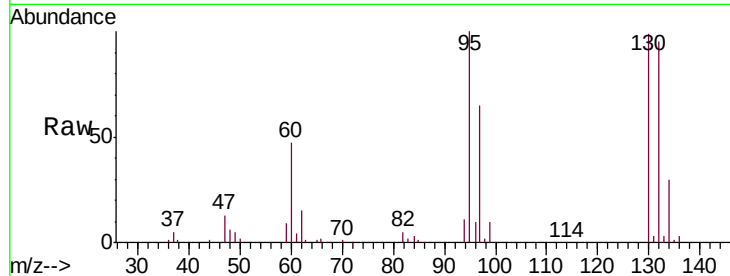
Ion Ratio Lower Upper

95 100

97 65.0 43.8 81.4

132 95.4 65.5 121.6

130 99.2 69.7 129.5

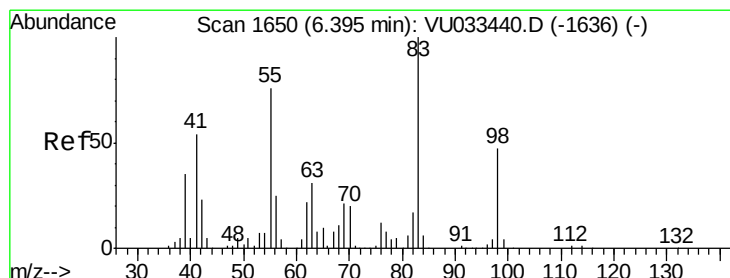
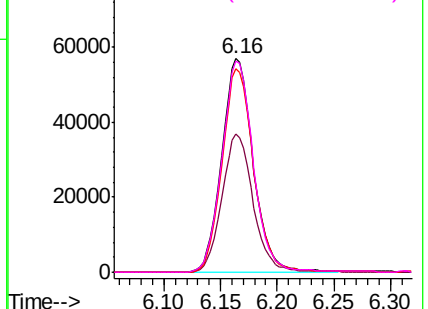
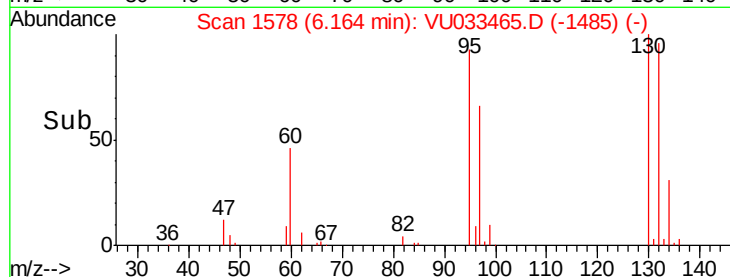


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 46.830 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VU033465.D

Acq: 26 Jul 2019 19:45

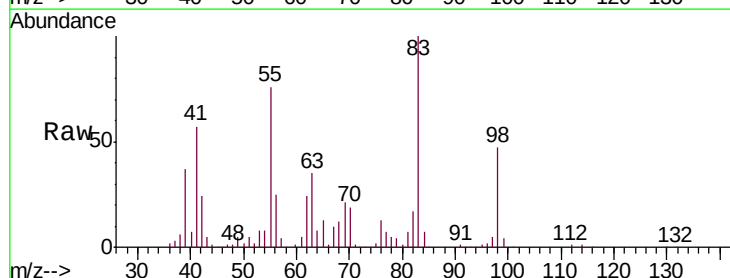
Tgt Ion: 83 Resp: 159215

Ion Ratio Lower Upper

83 100

55 77.6 60.5 90.7

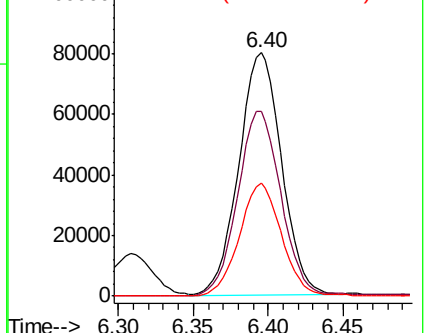
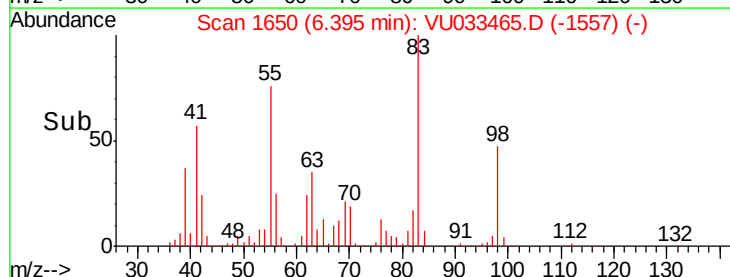
98 46.2 37.4 56.0

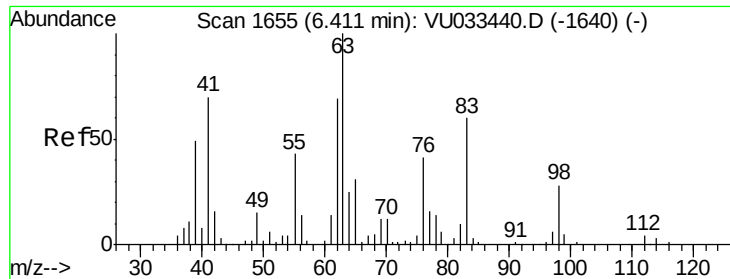


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

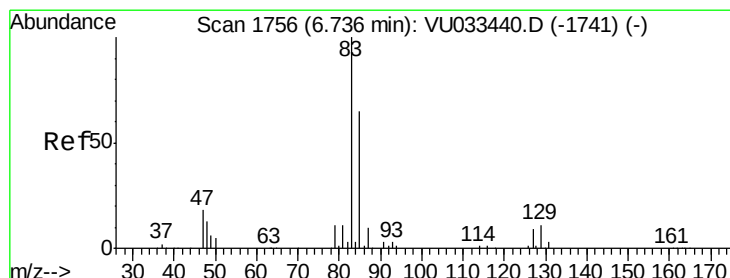
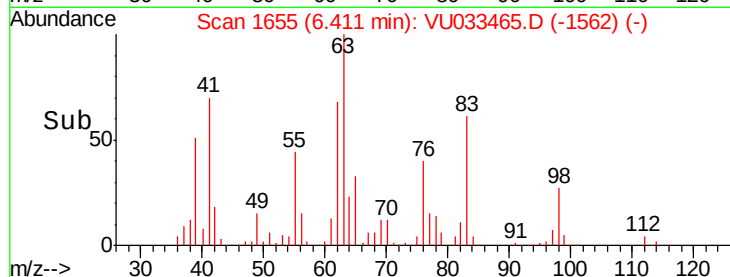
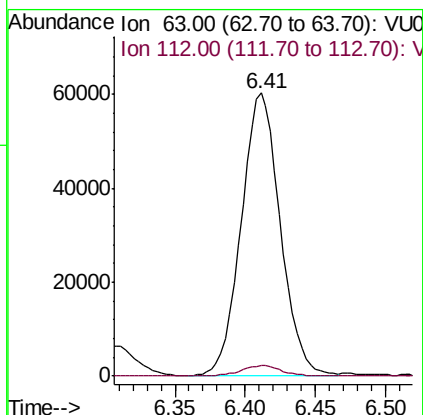
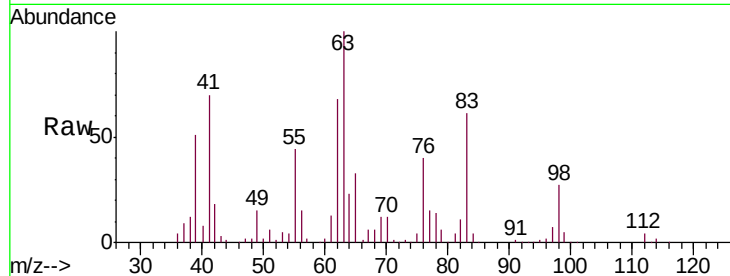




#37
 1,2-Dichloropropane
 Concen: 50.667 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU033465.D
 Acq: 26 Jul 2019 19:45

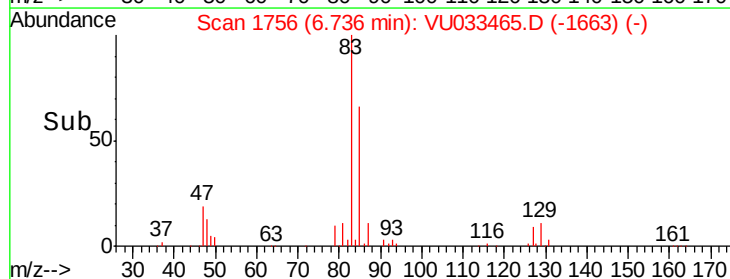
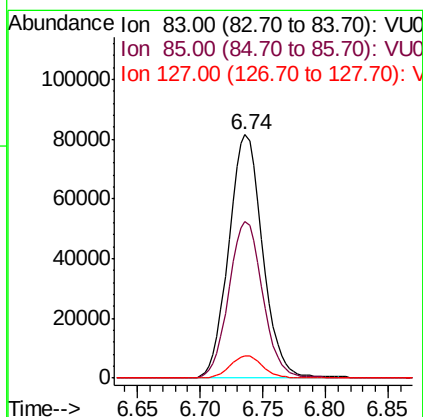
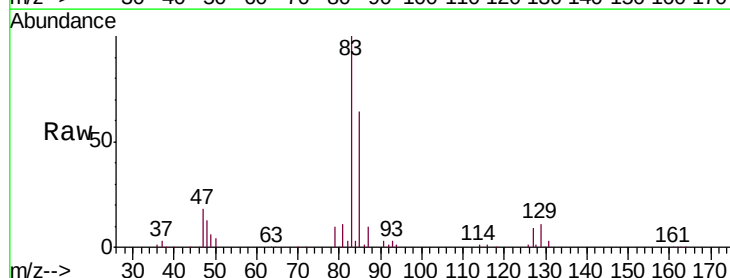
Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD05059

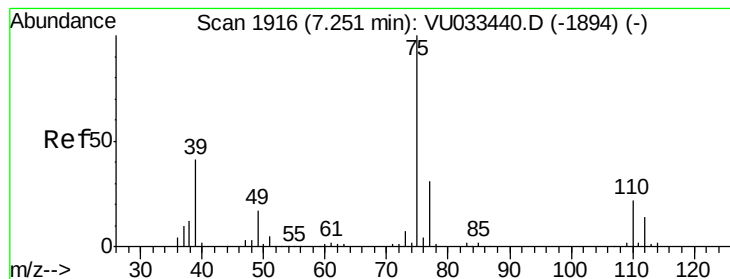
Tgt Ion: 63 Resp: 116609
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.2 4.8



#38
 Bromodichloromethane
 Concen: 51.194 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VU033465.D
 Acq: 26 Jul 2019 19:45

Tgt Ion: 83 Resp: 151982
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.8 85.0
 127 9.2 6.8 10.2



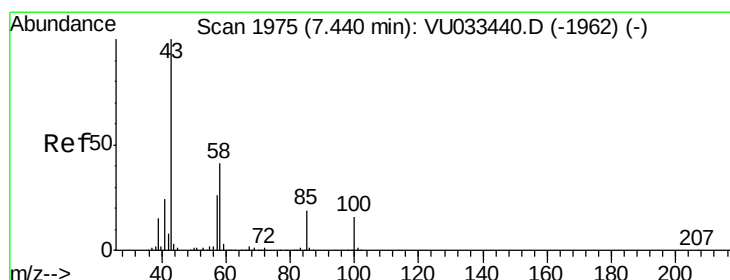
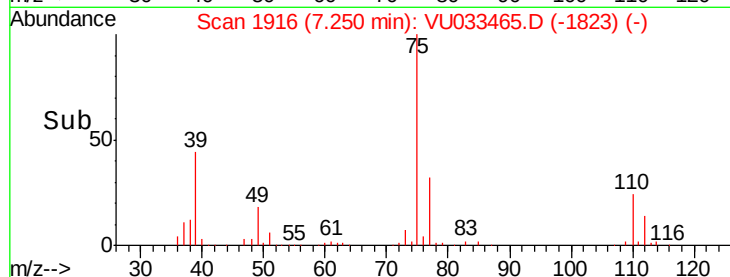
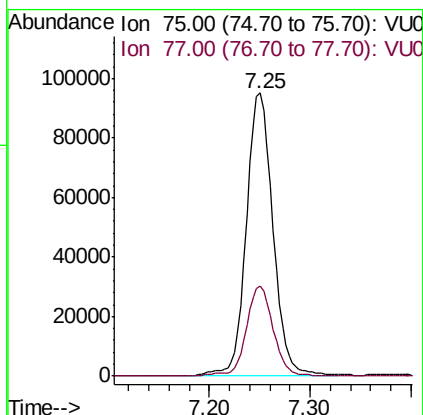
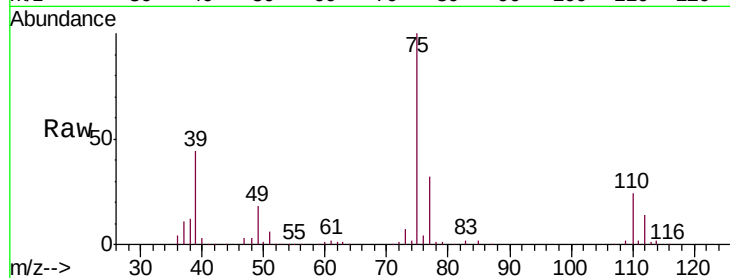


#39

cis-1,3-Dichloropropene
 Concen: 49.400 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU033465.D
 Acq: 26 Jul 2019 19:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

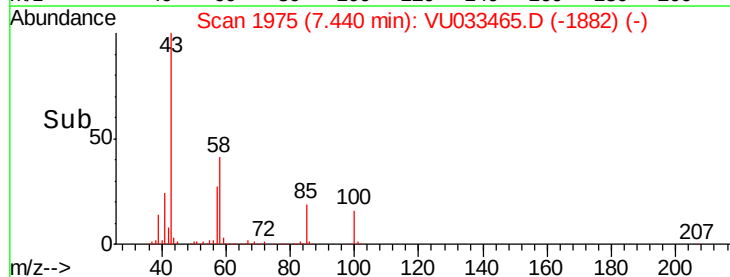
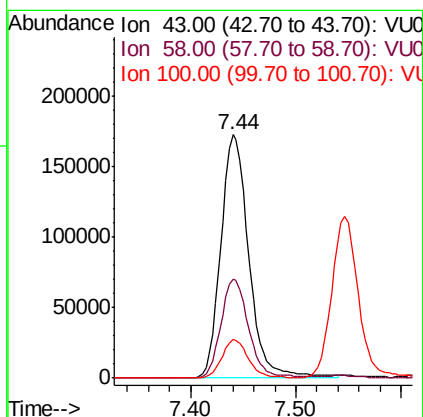
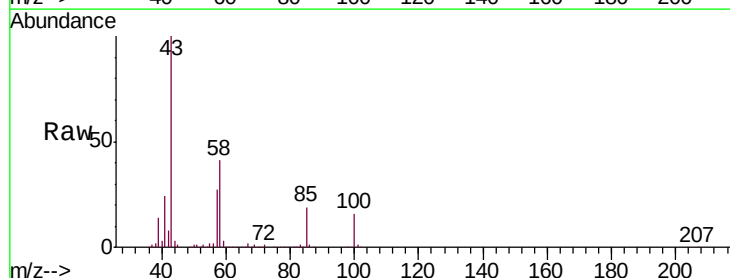
Tgt Ion: 75 Resp: 174317
 Ion Ratio Lower Upper
 75 100
 77 31.9 23.1 42.9

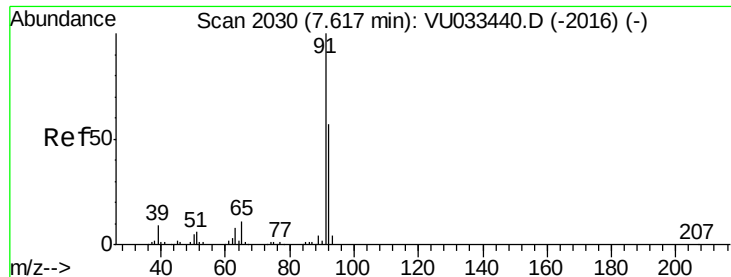


#40

4-Methyl-2-pentanone
 Concen: 102.623 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU033465.D
 Acq: 26 Jul 2019 19:45

Tgt Ion: 43 Resp: 316837
 Ion Ratio Lower Upper
 43 100
 58 40.4 33.3 49.9
 100 15.1 12.1 18.1





#42

Toluene

Concen: 52.270 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033465.D

Acq: 26 Jul 2019 19:45

Instrument :

MSVOA_U

ClientSampleId :

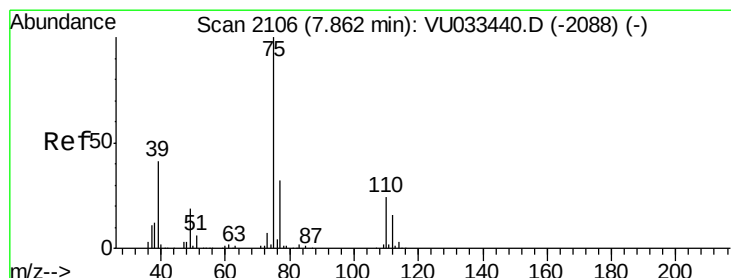
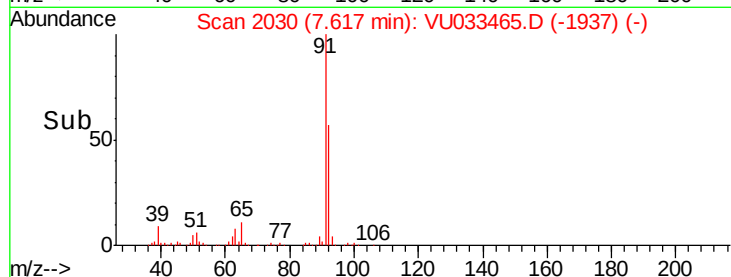
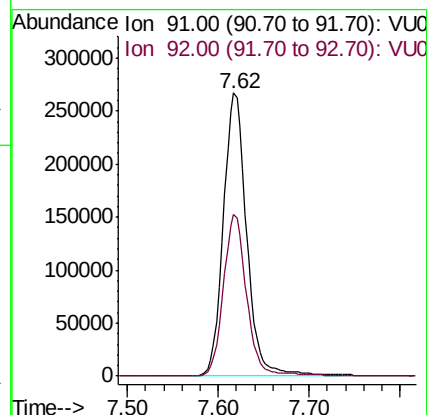
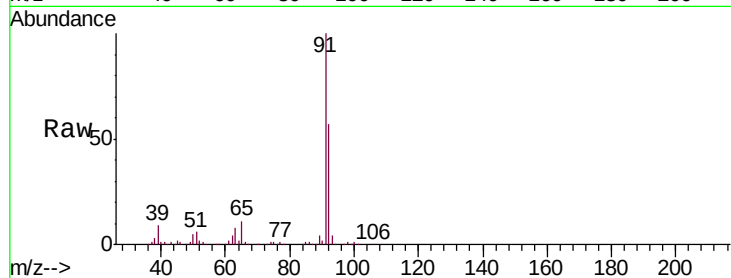
VSTD05059

Tgt Ion: 91 Resp: 478229

Ion Ratio Lower Upper

91 100

92 57.0 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 50.138 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033465.D

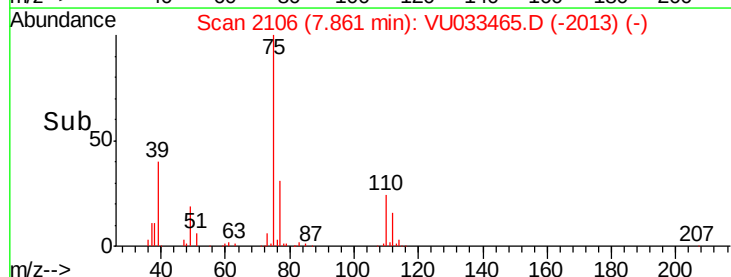
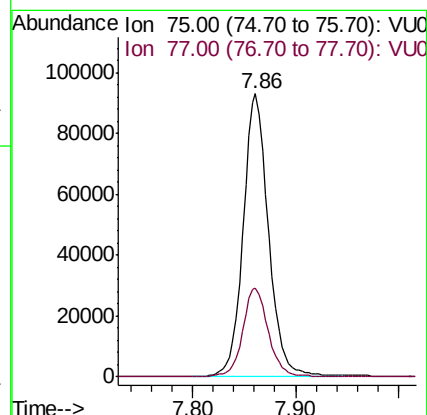
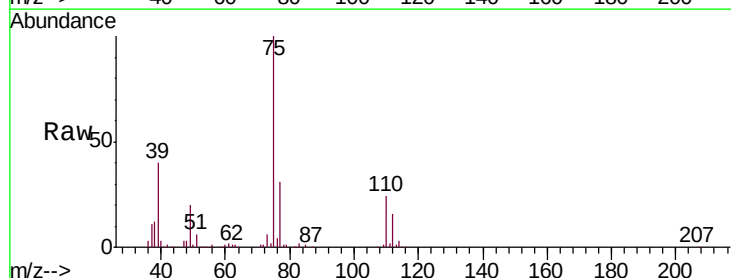
Acq: 26 Jul 2019 19:45

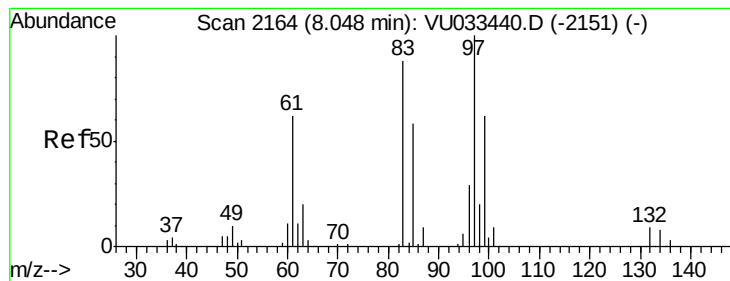
Tgt Ion: 75 Resp: 159555

Ion Ratio Lower Upper

75 100

77 31.5 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 51.987 ug/L

RT: 8.05 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VU033465.D

Acq: 26 Jul 2019 19:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

Tgt Ion: 97 Resp: 113158

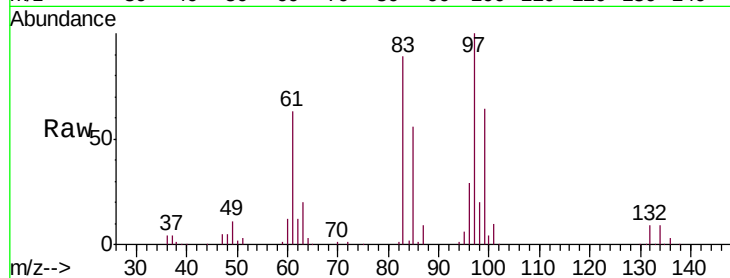
Ion Ratio Lower Upper

97 100

99 64.0 43.0 79.8

83 88.8 61.5 114.3

85 56.0 38.8 72.0

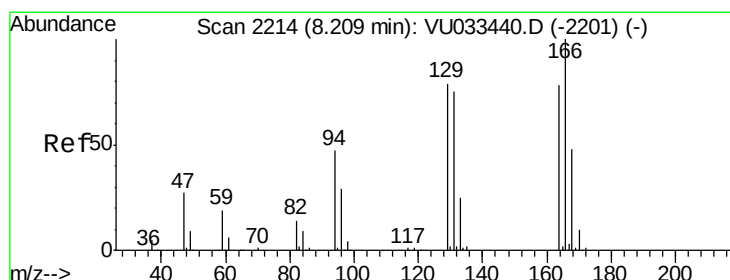
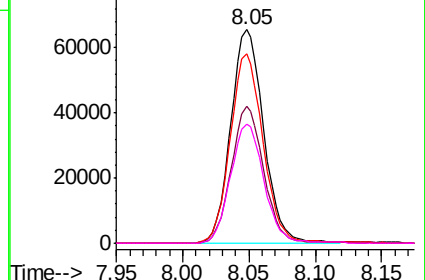
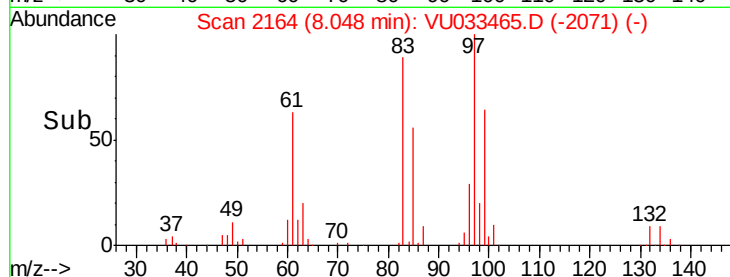


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 50.879 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VU033465.D

Acq: 26 Jul 2019 19:45

Tgt Ion: 164 Resp: 87417

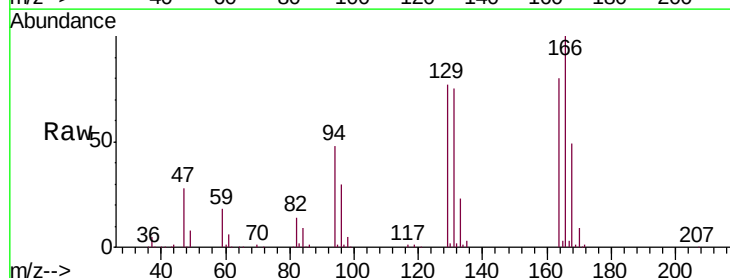
Ion Ratio Lower Upper

164 100

129 96.4 69.6 129.2

131 93.7 65.7 122.1

166 125.7 88.5 164.4

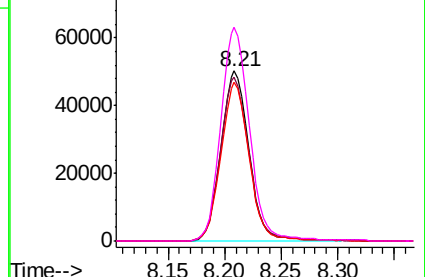
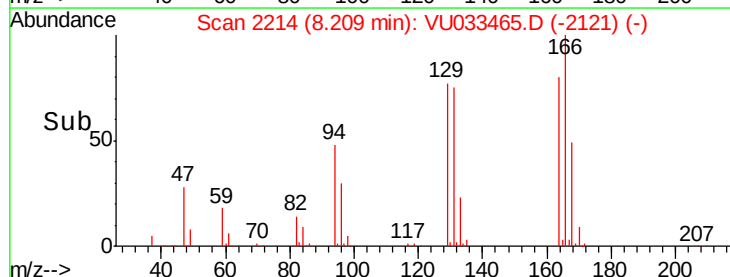


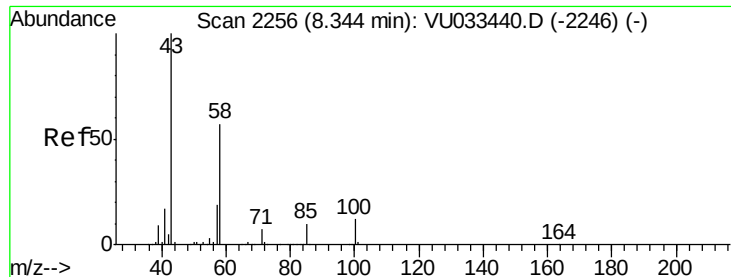
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

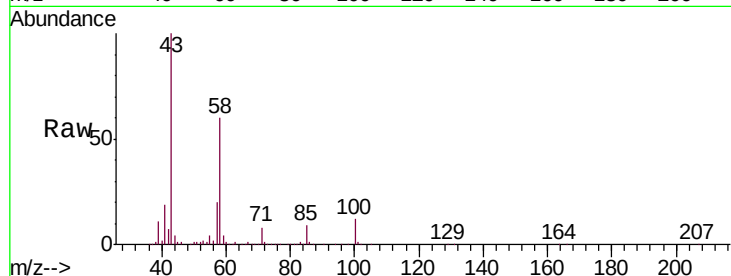




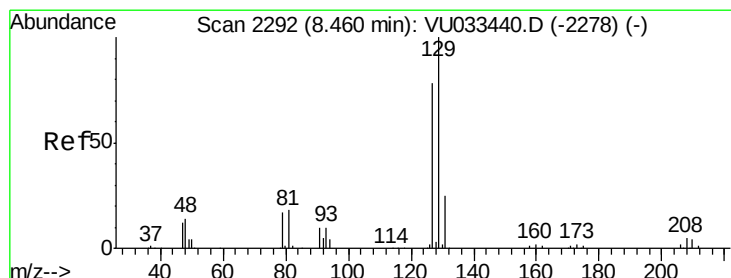
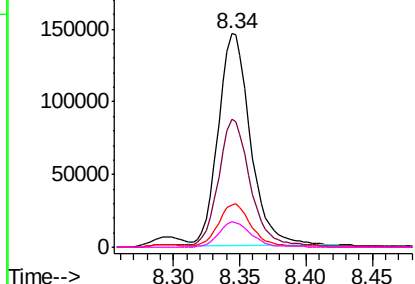
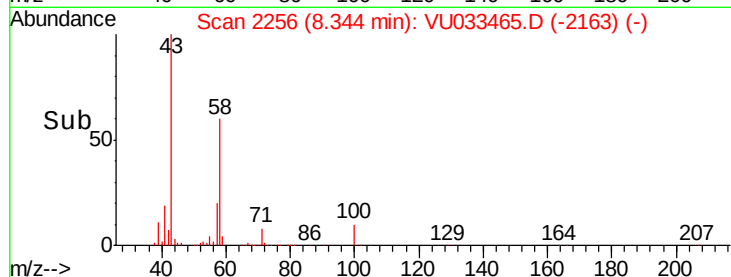
#48
2-Hexanone
Concen: 98.705 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU033465.D
Acq: 26 Jul 2019 19:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Tgt Ion:	43	Resp:	248266
Ion	Ratio	Lower	Upper
43	100		
58	59.4	46.1	69.1
57	20.2	15.8	23.8
100	12.1	9.4	14.2

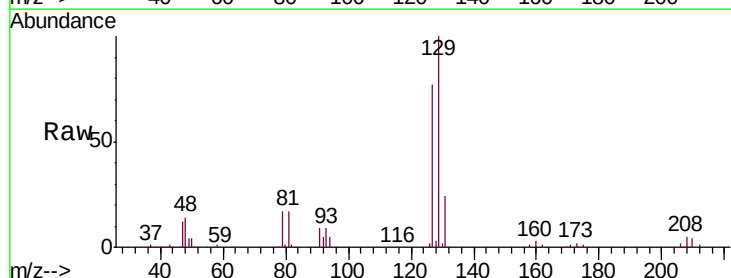


Abundance Ion 43.00 (42.70 to 43.70): VU033440.D (-2246) (-)
Ion 58.00 (57.70 to 58.70): VU033440.D (-2246) (-)
Ion 57.00 (56.70 to 57.70): VU033440.D (-2246) (-)
Ion 100.00 (99.70 to 100.70): VU033440.D (-2246) (-)

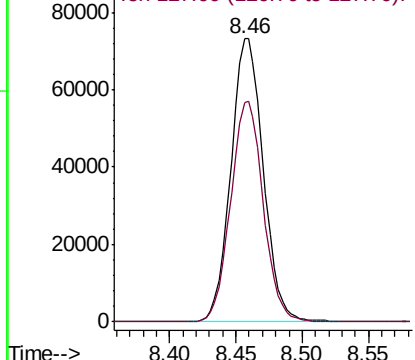
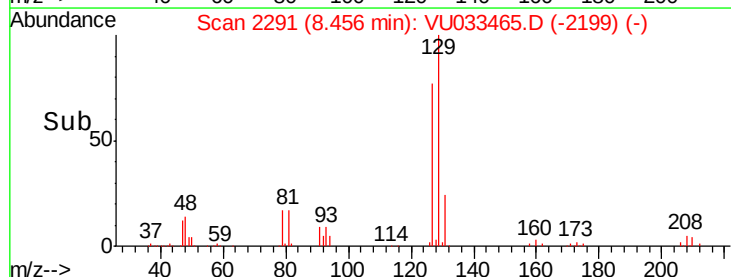


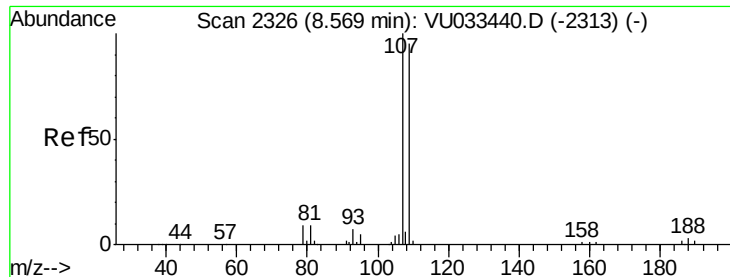
#49
Dibromochloromethane
Concen: 51.185 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU033465.D
Acq: 26 Jul 2019 19:45

Tgt Ion:	129	Resp:	124281
Ion	Ratio	Lower	Upper
129	100		
127	77.3	54.3	100.9



Abundance Ion 129.00 (128.70 to 129.70): VU033440.D (-2278) (-)
Ion 127.00 (126.70 to 127.70): VU033440.D (-2278) (-)

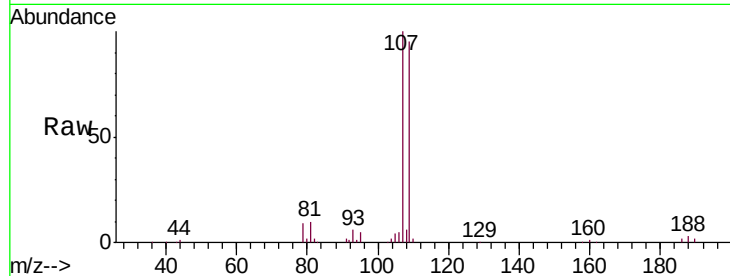




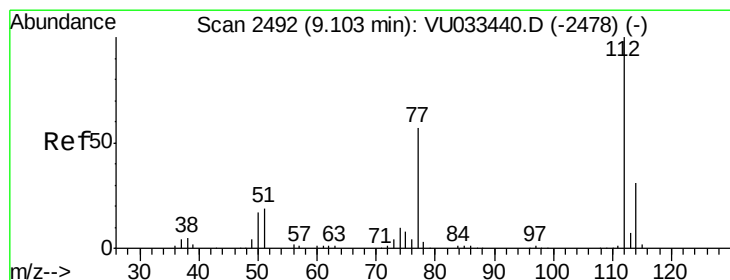
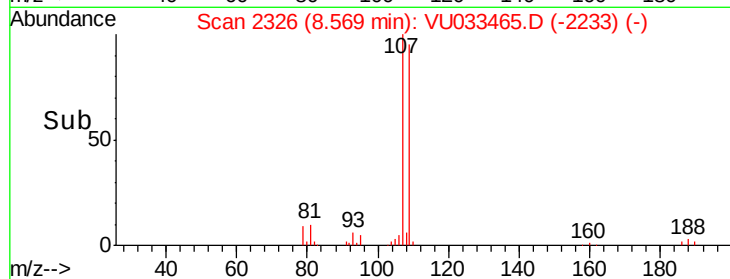
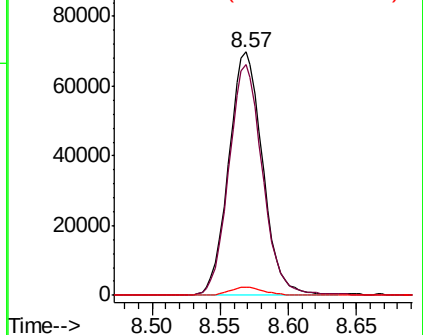
#50
1,2-Dibromoethane
Concen: 50.911 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VU033465.D
Acq: 26 Jul 2019 19:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Tgt Ion:107 Resp: 120825
Ion Ratio Lower Upper
107 100
109 95.0 64.2 119.2
188 3.4 2.6 4.0

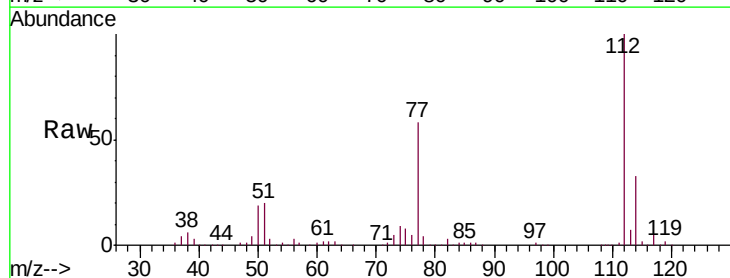


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

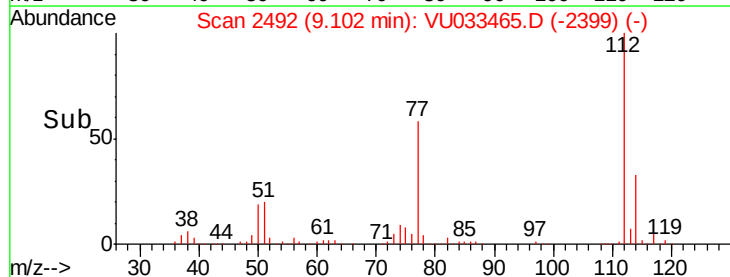
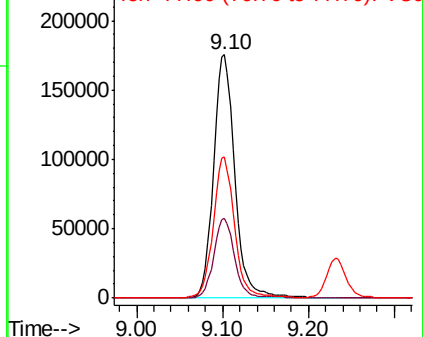


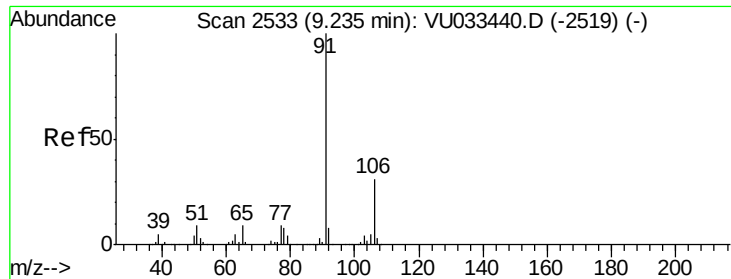
#51
Chlorobenzene
Concen: 50.901 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. -0.00 min
Lab File: VU033465.D
Acq: 26 Jul 2019 19:45

Tgt Ion:112 Resp: 303969
Ion Ratio Lower Upper
112 100
114 32.7 22.3 41.3
77 57.7 47.2 70.8



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: 51.910 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033465.D

Acq: 26 Jul 2019 19:45

Instrument :

MSVOA_U

ClientSampleId :

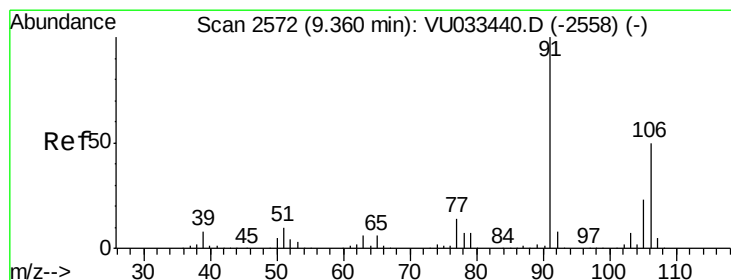
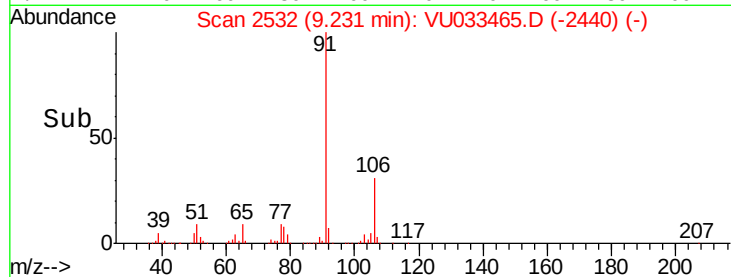
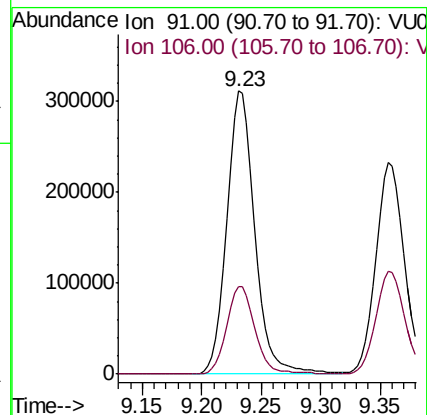
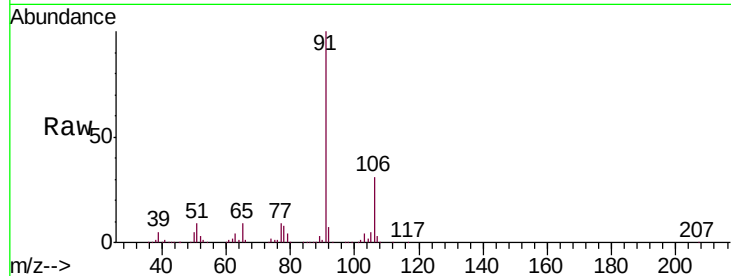
VSTD05059

Tgt Ion: 91 Resp: 508214

Ion Ratio Lower Upper

91 100

106 31.1 22.2 41.2



#53

m,p-Xylene

Concen: 51.638 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU033465.D

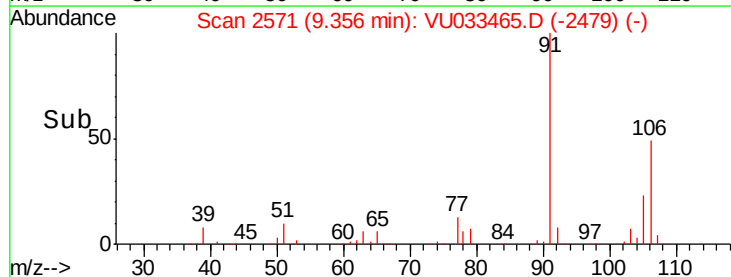
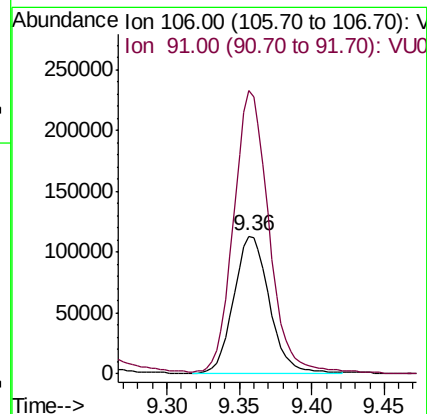
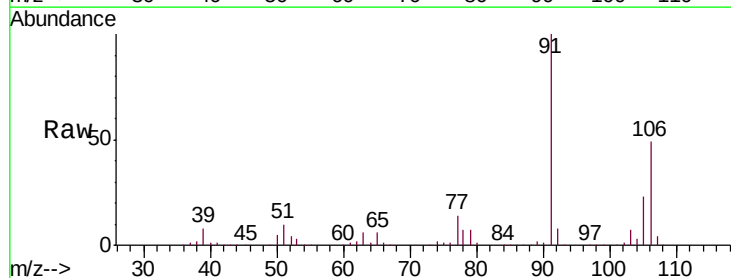
Acq: 26 Jul 2019 19:45

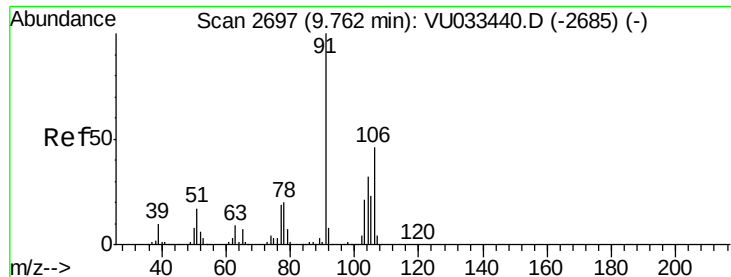
Tgt Ion: 106 Resp: 191488

Ion Ratio Lower Upper

106 100

91 205.5 141.3 262.3





#54

o-xylene

Concen: 51.914 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. -0.00 min

Lab File: VU033465.D

Acq: 26 Jul 2019 19:45

Instrument :

MSVOA_U

ClientSampleId :

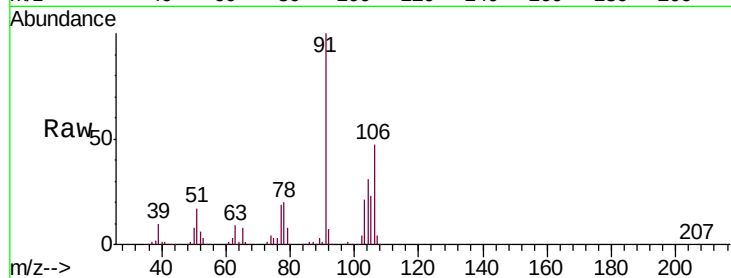
VSTD05059

Tgt Ion:106 Resp: 191152

Ion Ratio Lower Upper

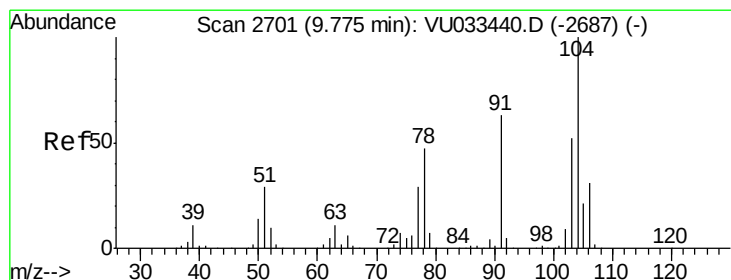
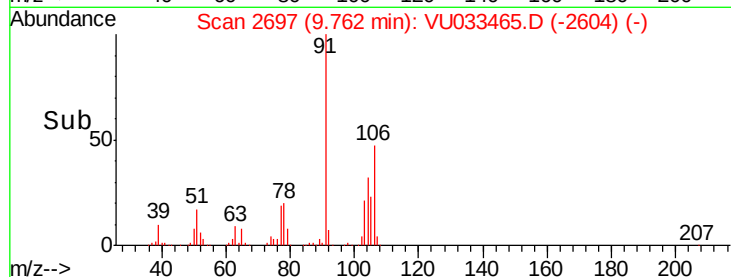
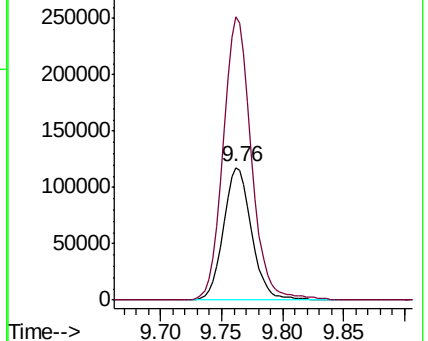
106 100

91 213.6 150.5 279.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 53.363 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU033465.D

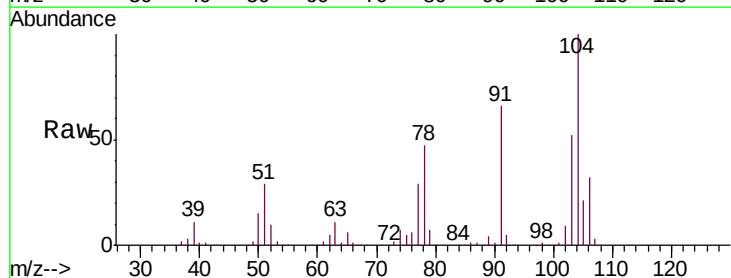
Acq: 26 Jul 2019 19:45

Tgt Ion:104 Resp: 333130

Ion Ratio Lower Upper

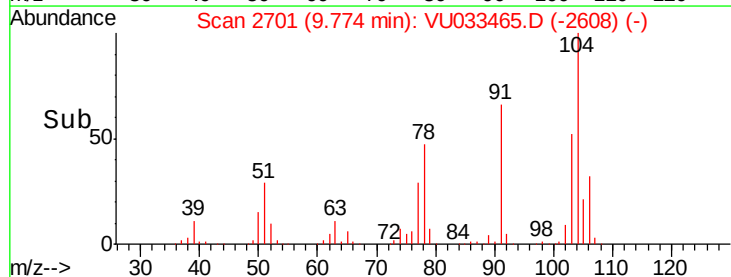
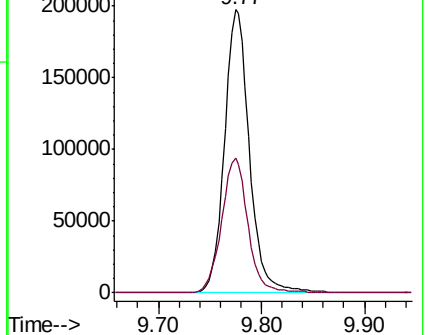
104 100

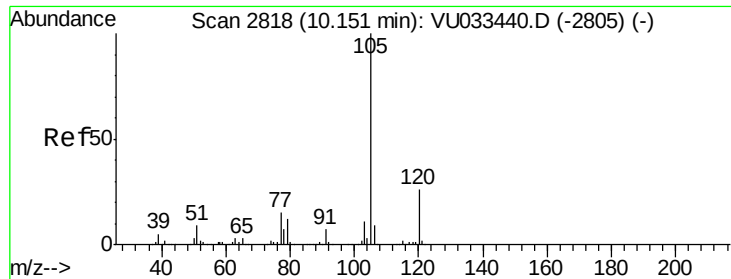
78 47.4 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 51.469 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033465.D

Acq: 26 Jul 2019 19:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

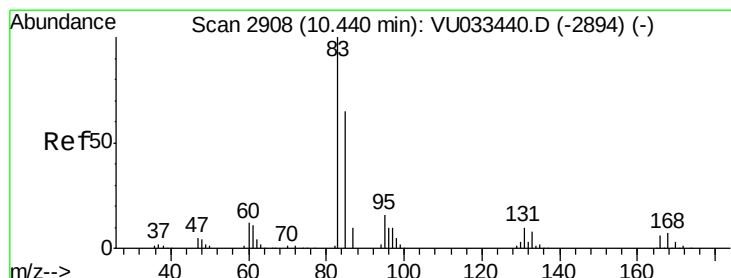
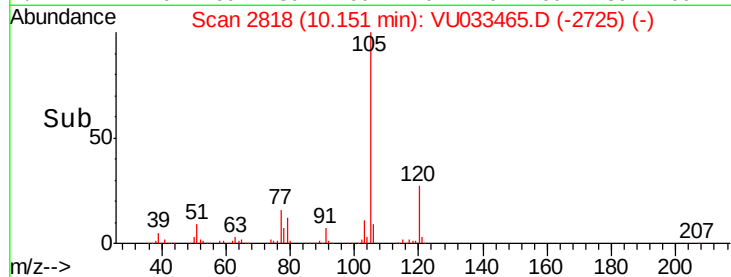
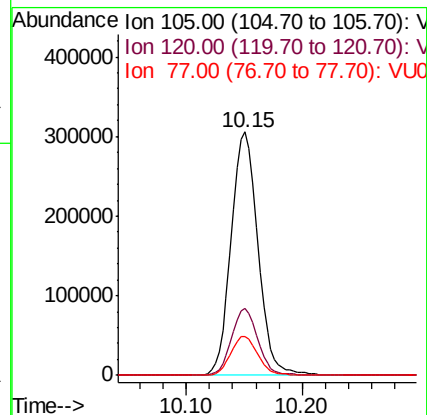
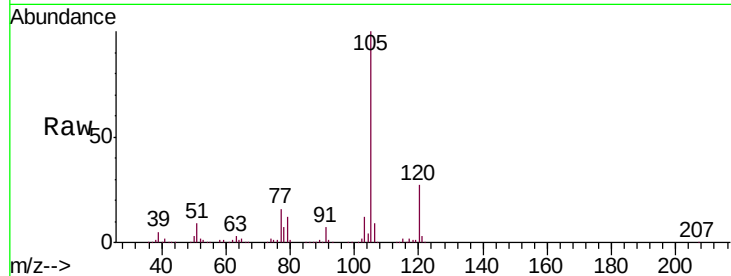
Tgt Ion: 105 Resp: 487673

Ion Ratio Lower Upper

105 100

120 27.0 21.2 31.8

77 16.1 12.9 19.3



#58

1,1,2,2-Tetrachloroethane

Concen: 51.493 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033465.D

Acq: 26 Jul 2019 19:45

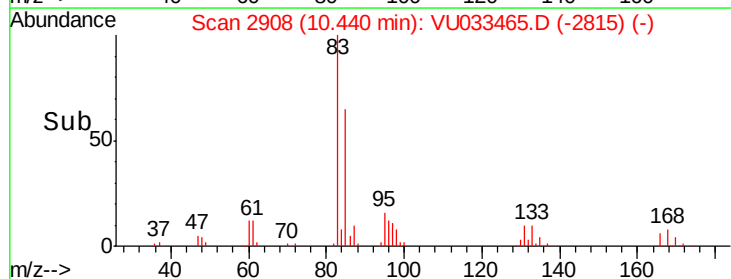
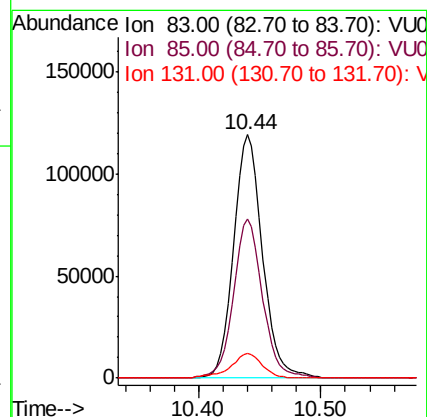
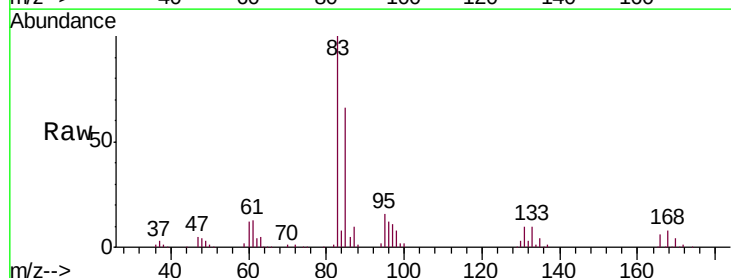
Tgt Ion: 83 Resp: 196876

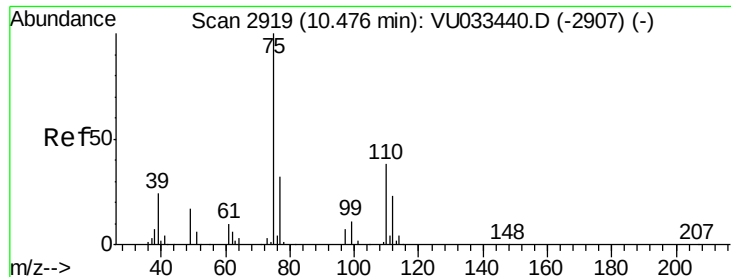
Ion Ratio Lower Upper

83 100

85 65.6 44.9 83.3

131 10.2 7.6 11.4





#59

1,2,3-Trichloropropane

Concen: 51.570 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VU033465.D

Acq: 26 Jul 2019 19:45

Instrument :

MSVOA_U

ClientSampleId :

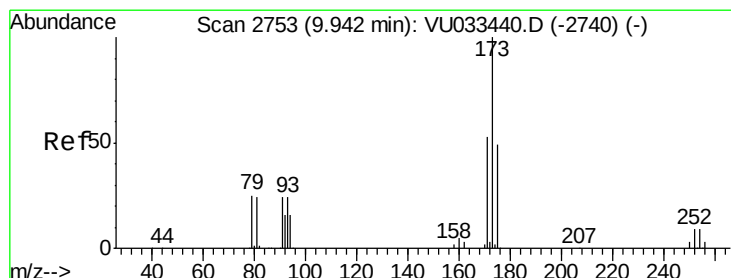
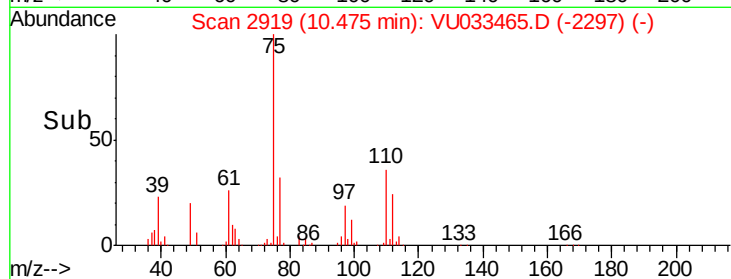
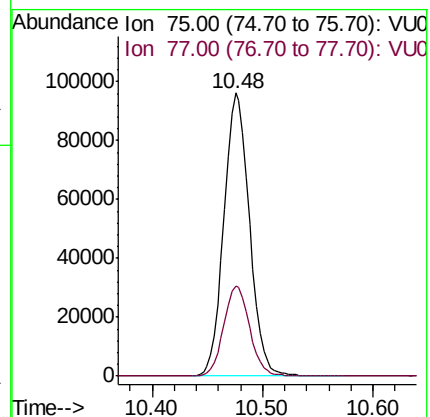
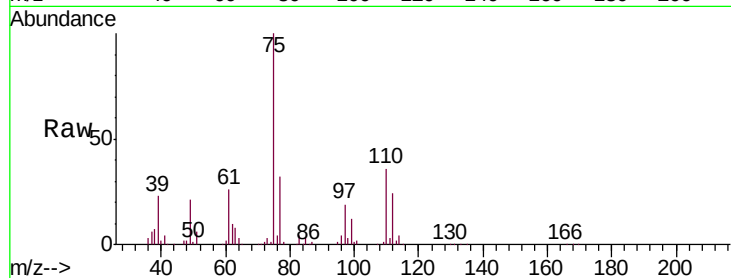
VSTD05059

Tgt Ion: 75 Resp: 154511

Ion Ratio Lower Upper

75 100

77 32.2 26.0 39.0



#61

Bromoform

Concen: 50.274 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU033465.D

Acq: 26 Jul 2019 19:45

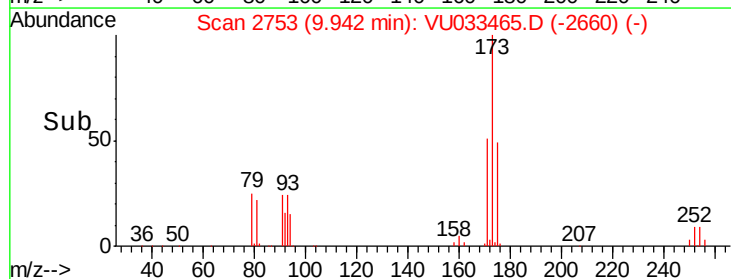
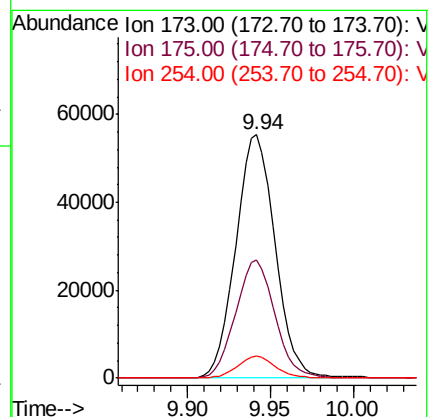
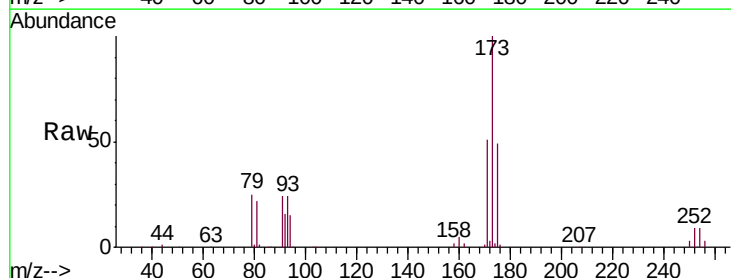
Tgt Ion: 173 Resp: 91330

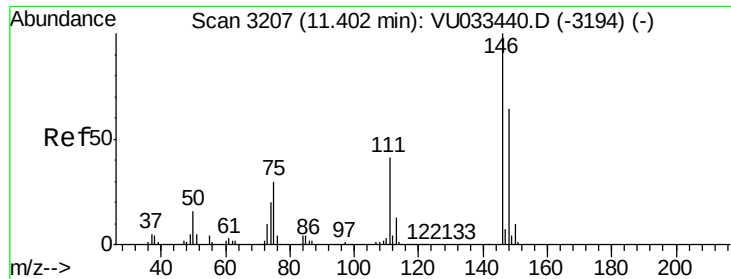
Ion Ratio Lower Upper

173 100

175 48.5 40.0 60.0

254 8.7 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 48.317 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU033465.D

Acq: 26 Jul 2019 19:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

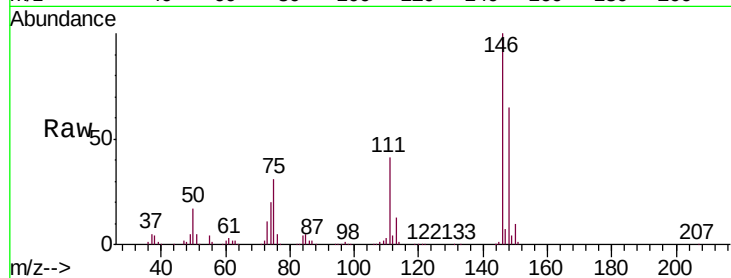
Tgt Ion:146 Resp: 221236

Ion Ratio Lower Upper

146 100

111 40.8 28.0 52.0

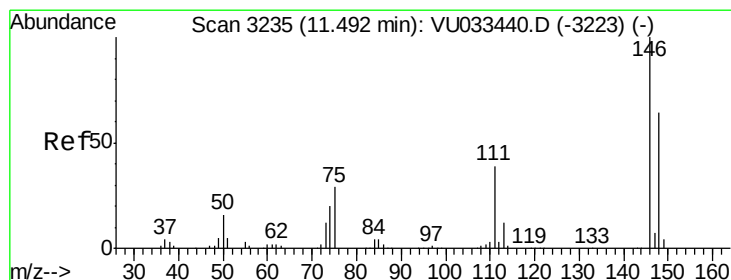
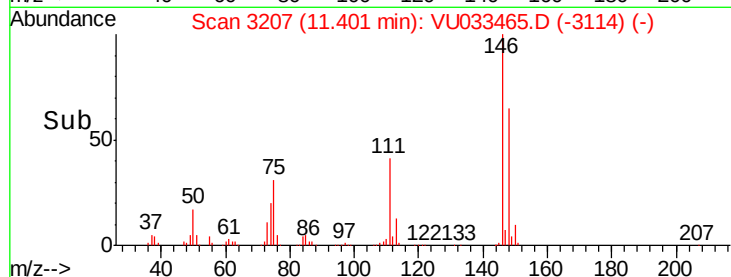
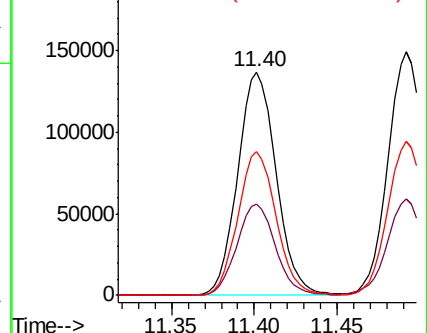
148 64.5 44.7 83.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 49.293 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU033465.D

Acq: 26 Jul 2019 19:45

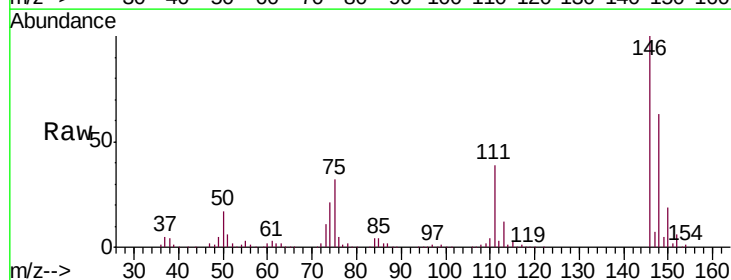
Tgt Ion:146 Resp: 235990

Ion Ratio Lower Upper

146 100

111 39.4 27.8 51.6

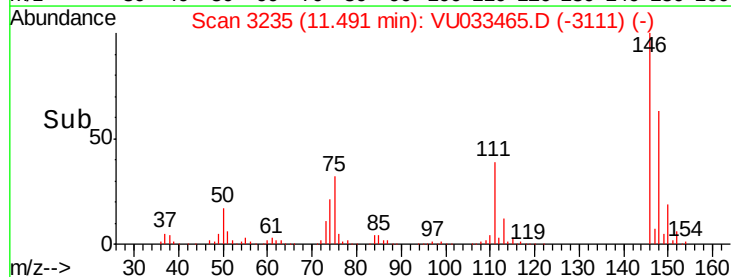
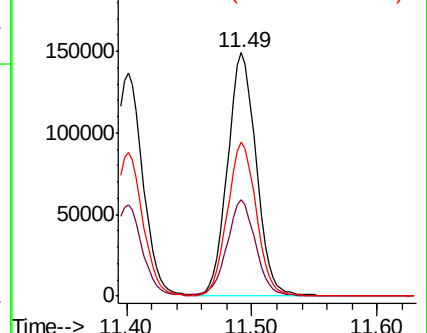
148 63.1 44.6 82.8

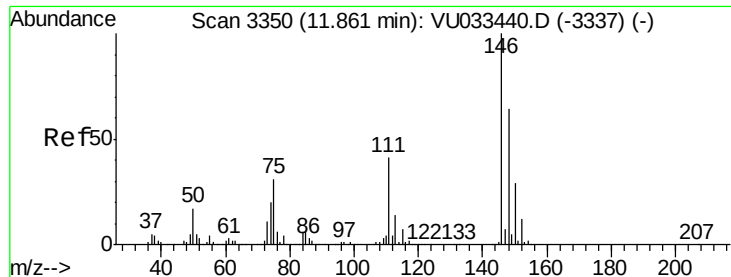


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

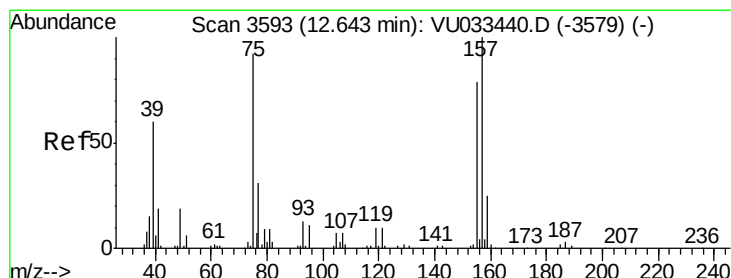
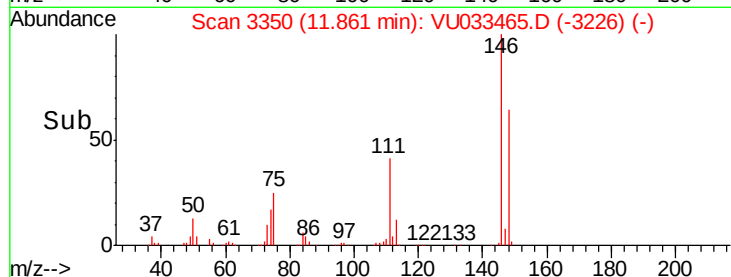
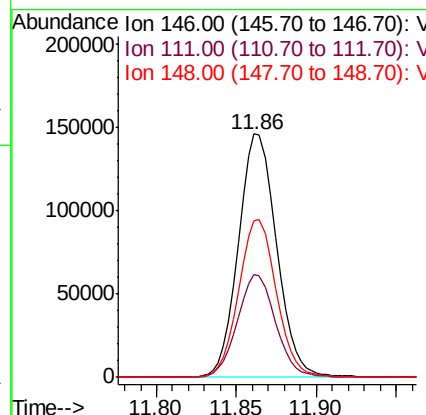
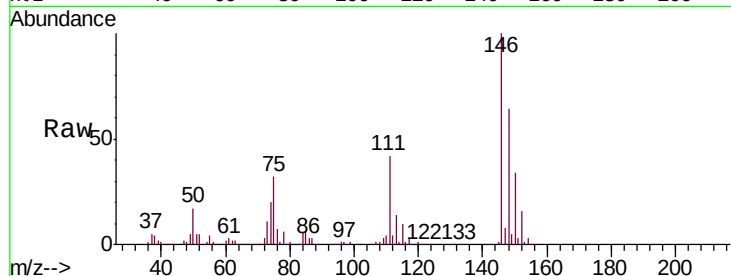




#65
 1,2-Dichlorobenzene
 Concen: 50.619 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU033465.D
 Acq: 26 Jul 2019 19:45

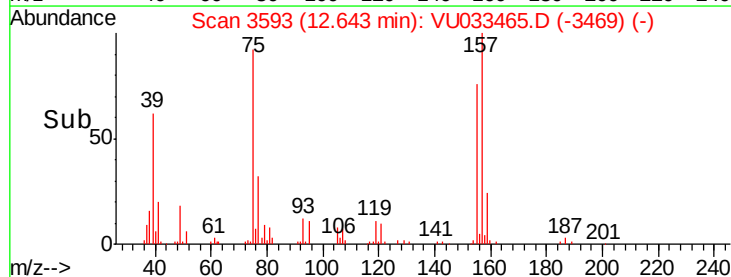
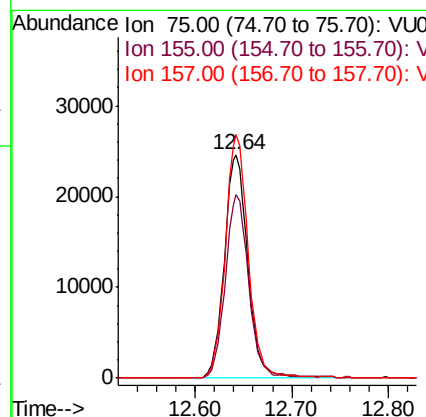
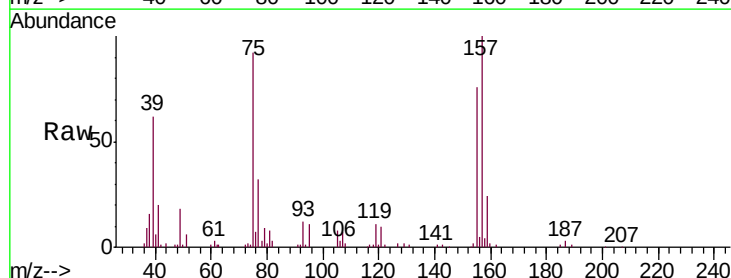
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

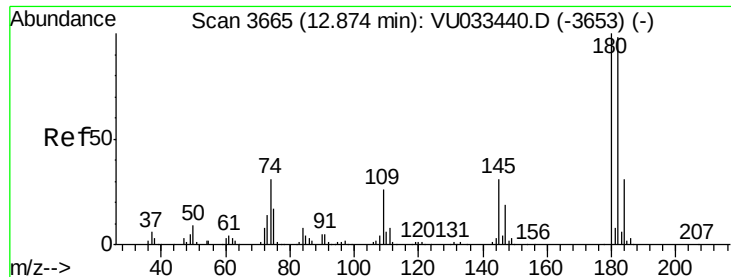
Tgt Ion: 146 Resp: 237703
 Ion Ratio Lower Upper
 146 100
 111 42.1 34.3 51.5
 148 64.3 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.302 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. -0.00 min
 Lab File: VU033465.D
 Acq: 26 Jul 2019 19:45

Tgt Ion: 75 Resp: 41499
 Ion Ratio Lower Upper
 75 100
 155 82.5 63.5 95.3
 157 109.1 84.6 127.0

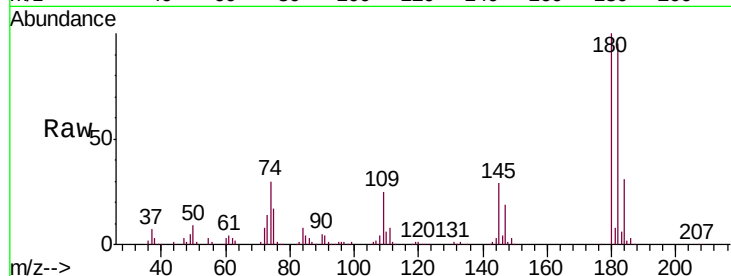




#67
 1,3,5-Trichlorobenzene
 Concen: 51.433 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. -0.00 min
 Lab File: VU033465.D
 Acq: 26 Jul 2019 19:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

Tgt Ion:	180	Resp:	170195
Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.5	113.3
184	30.4	24.2	36.2
145	29.6	24.1	36.1



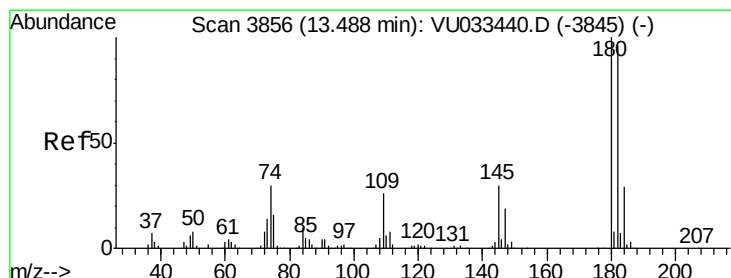
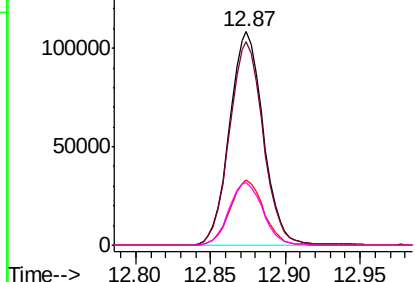
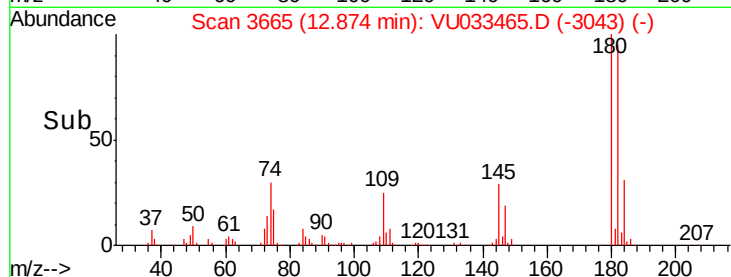
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

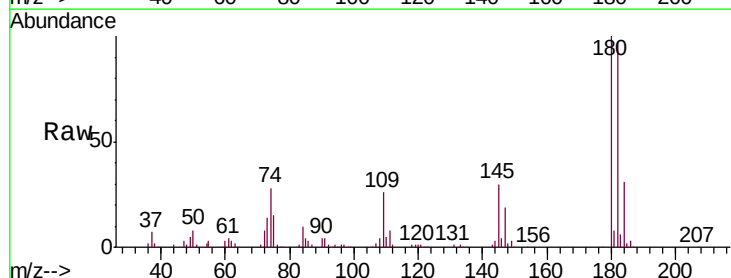
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 50.950 ug/L
 RT: 13.49 min Scan# 3857
 Delta R.T. 0.00 min
 Lab File: VU033465.D
 Acq: 26 Jul 2019 19:45

Tgt Ion:	180	Resp:	147266
Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.5	114.7
145	29.4	24.6	36.8

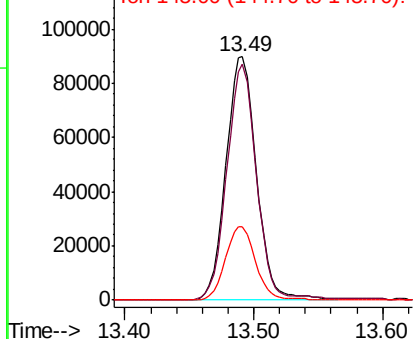
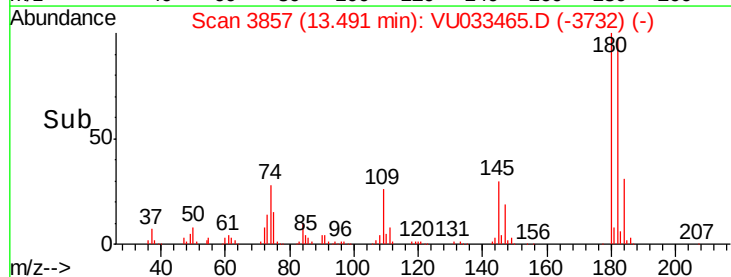


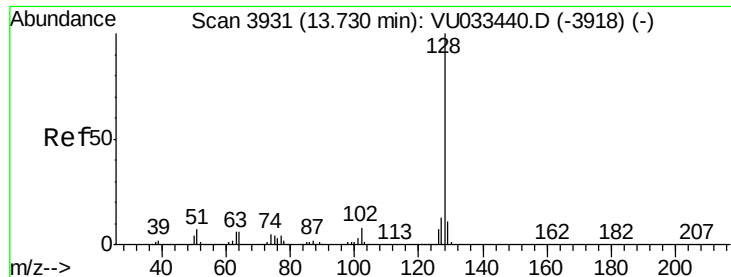
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 52.084 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. -0.00 min

Lab File: VU033465.D

Acq: 26 Jul 2019 19:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

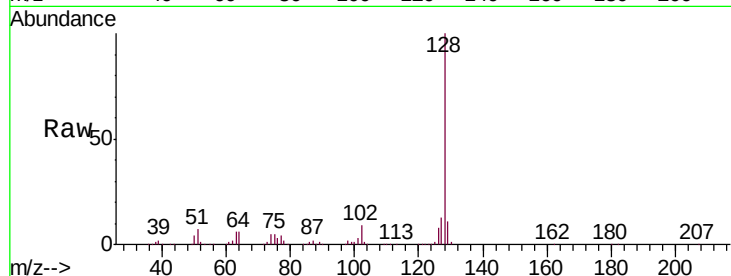
Tgt Ion:128 Resp: 482695

Ion Ratio Lower Upper

128 100

127 13.4 10.8 16.2

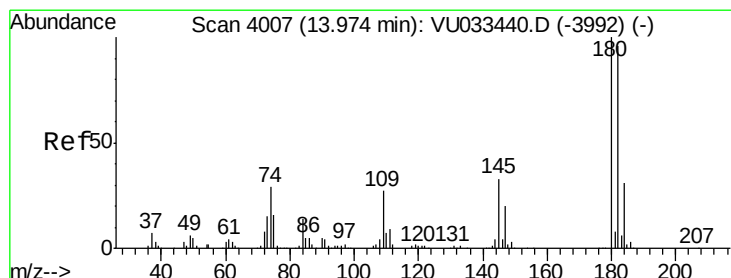
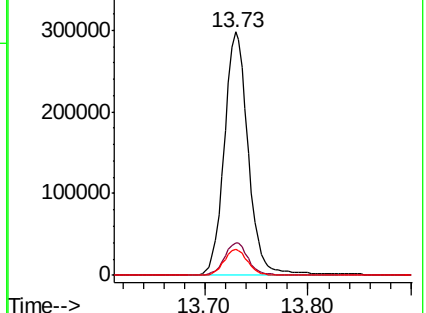
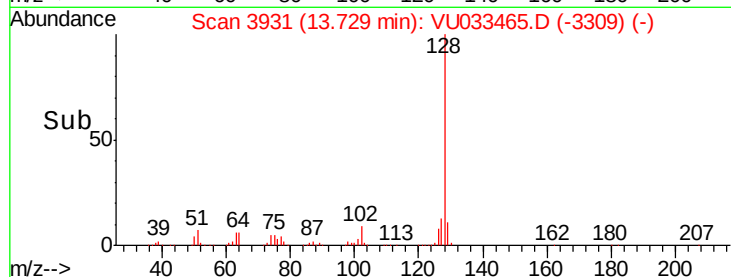
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.847 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. -0.00 min

Lab File: VU033465.D

Acq: 26 Jul 2019 19:45

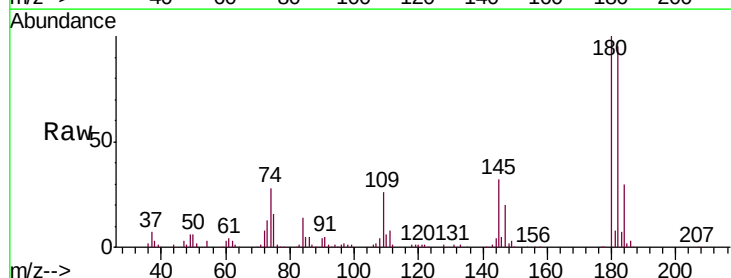
Tgt Ion:180 Resp: 156417

Ion Ratio Lower Upper

180 100

182 97.8 77.4 116.2

145 31.9 26.2 39.2



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

