

Data File : VU033481.D
Acq On : 30 Jul 2019 09:15
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

Quant Time: Jul 31 08:44:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM072919W.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 30 04:12:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	280209	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	287662	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	154413	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	122908	48.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.62%
7) Chloroethane-d5	1.67	69	106131	50.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.98%
11) 1,1-Dichloroethene-d2	2.26	63	209519	45.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.06%
21) 2-Butanone-d5	4.15	46	149726	102.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.69%
24) Chloroform-d	4.62	84	198058	52.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.02%
26) 1,2-Dichloroethane-d4	5.28	65	128267	52.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.42%
32) Benzene-d6	5.32	84	401587	52.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.02%
36) 1,2-Dichloropropane-d6	6.31	67	127073	53.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.10%
41) Toluene-d8	7.55	98	380482	52.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.82%
43) trans-1,3-Dichloropropene-	7.83	79	61438	52.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.98%
47) 2-Hexanone-d5	8.30	63	107352	107.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.89%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	193166	52.55	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.10%
66) 1,2-Dichlorobenzene-d4	11.85	152	152299	51.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.66%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	146219	52.300	ug/L 100
3) Chloromethane	1.32	50	136545	48.919	ug/L 100
5) Vinyl chloride	1.40	62	158118	49.535	ug/L 99
6) Bromomethane	1.61	94	99009	44.379	ug/L 100
8) Chloroethane	1.69	64	97885	49.990	ug/L 99
9) Trichlorofluoromethane	1.87	101	214473	51.226	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	106197	50.476	ug/L 99
12) 1,1-Dichloroethene	2.27	96	98276	47.939	ug/L 99
13) Acetone	2.31	43	169896	117.580	ug/L 99
14) Carbon disulfide	2.46	76	303344	49.664	ug/L 99
15) Methyl Acetate	2.60	43	114063	49.223	ug/L 97
16) Methylene chloride	2.68	84	114344	50.769	ug/L 100
17) trans-1,2-Dichloroethene	2.96	96	103894	51.020	ug/L 97
18) Methyl tert-butyl Ether	2.98	73	310636	51.695	ug/L 99
19) 1,1-Dichloroethane	3.42	63	195684	51.039	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	115739	51.497	ug/L 99
22) 2-Butanone	4.23	43	188000	109.501	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	59552	49.889	ug/L	98
25) Chloroform	4.65	83	212435	52.260	ug/L	99
27) 1,2-Dichloroethane	5.38	62	159533	50.537	ug/L	98
29) Cyclohexane	4.97	56	165985	52.521	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	171707	50.131	ug/L	99
31) Carbon tetrachloride	5.11	117	155012	50.842	ug/L	100
33) Benzene	5.37	78	442522	51.468	ug/L	100
34) Trichloroethene	6.16	95	113354	50.601	ug/L	98
35) Methylcyclohexane	6.40	83	178570	52.423	ug/L	98
37) 1,2-Dichloropropane	6.41	63	116700	50.466	ug/L	100
38) Bromodichloromethane	6.74	83	155234	50.994	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	181428	52.614	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	312826	102.649	ug/L	99
42) Toluene	7.62	91	491782	53.150	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	163009	52.082	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	113433	51.431	ug/L	98
46) Tetrachloroethene	8.21	164	94197	51.671	ug/L	99
48) 2-Hexanone	8.34	43	259796	104.640	ug/L	99
49) Dibromochloromethane	8.46	129	126896	51.386	ug/L	99
50) 1,2-Dibromoethane	8.57	107	122436	51.172	ug/L	96
51) Chlorobenzene	9.10	112	311849	50.726	ug/L	100
52) Ethylbenzene	9.23	91	522685	52.112	ug/L	98
53) m,p-Xylene	9.36	106	204613	54.249	ug/L	98
54) o-xylene	9.76	106	199040	53.822	ug/L	98
55) Styrene	9.77	104	347640	55.396	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.44	83	200648	51.174	ug/L	98
59) Bromoform	9.94	173	94891	49.126	ug/L	99
60) 1,2,3-Trichloropropane	10.48	75	155367	49.388	ug/L	99
61) Isopropylbenzene	10.15	105	517454	52.319	ug/L	100
62) 1,3,5-Trimethylbenzene	10.76	105	438202	54.680	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	434853	54.714	ug/L	100
64) 1,3-Dichlorobenzene	11.40	146	251014	49.791	ug/L	98
65) 1,4-Dichlorobenzene	11.49	146	254426	48.852	ug/L	100
67) 1,2-Dichlorobenzene	11.86	146	252808	50.051	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.64	75	42879	49.026	ug/L	99
69) 1,3,5-Trichlorobenzene	12.87	180	190760	49.836	ug/L	100
70) 1,2,4-trichlorobenzene	13.49	180	158981	49.763	ug/L	99
71) Naphthalene	13.73	128	462889	50.108	ug/L	100
72) 1,2,3-Trichlorobenzene	13.97	180	168674	50.403	ug/L	99

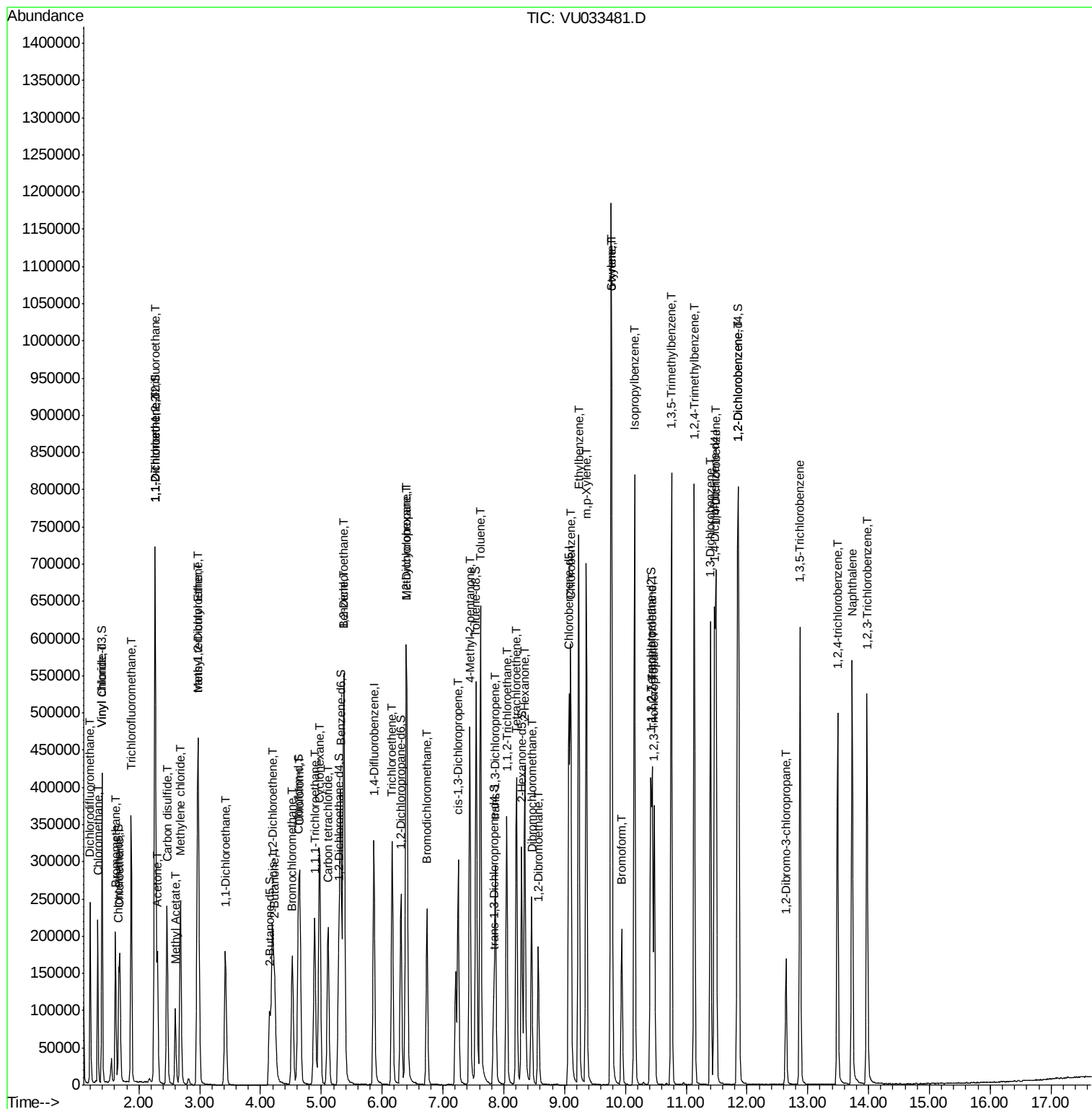
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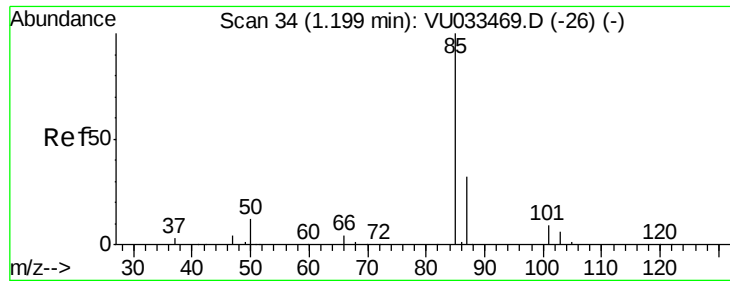
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#2

Dichlorodifluoromethane

Concen: 52.300 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033481.D

Acq: 30 Jul 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

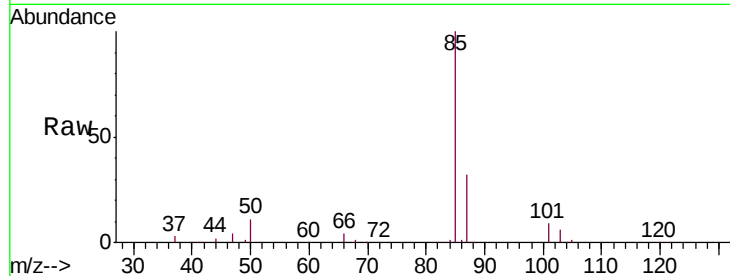
VSTD05038

Tgt Ion: 85 Resp: 146219

Ion Ratio Lower Upper

85 100

87 32.2 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU033469.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033469.D (-26) (-)

1.20

150000

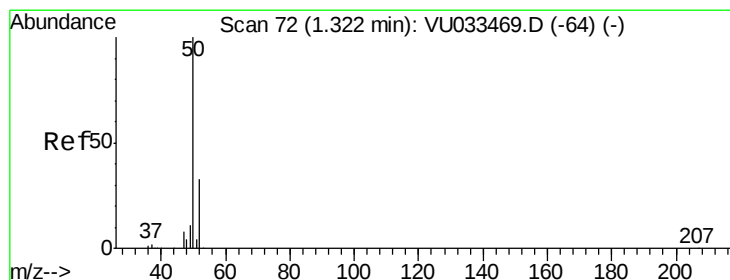
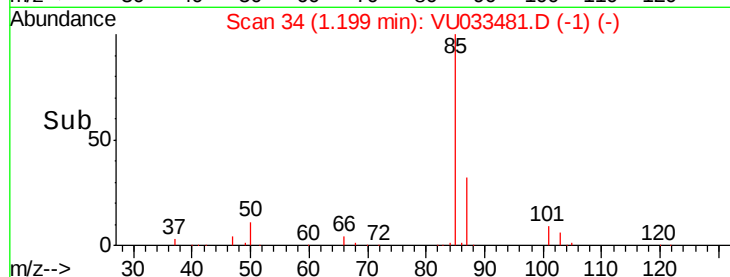
100000

50000

0

1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 48.919 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU033481.D

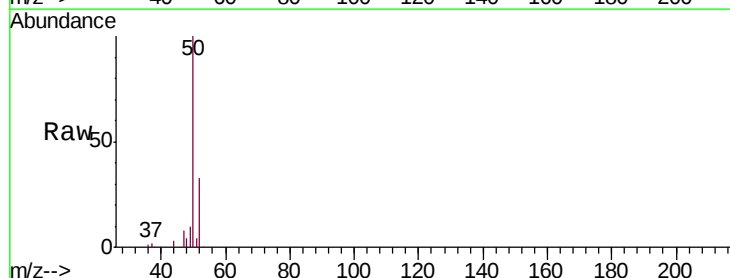
Acq: 30 Jul 2019 09:15

Tgt Ion: 50 Resp: 136545

Ion Ratio Lower Upper

50 100

52 33.3 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VU033469.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU033469.D (-64) (-)

1.32

150000

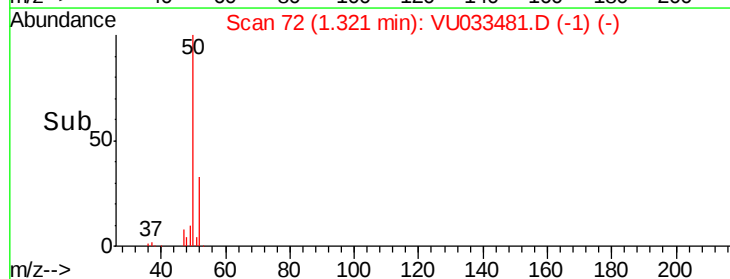
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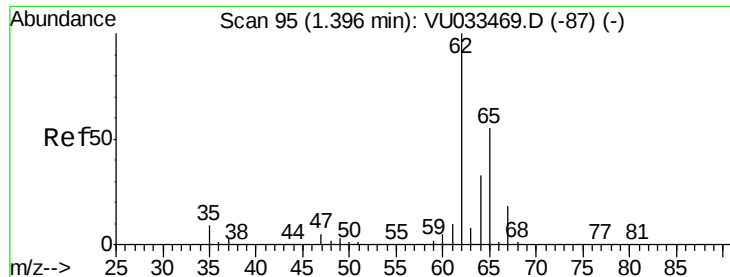
50000

0

1.30 1.35 1.40

Time-->





#5

Vinyl chloride

Concen: 49.535 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033481.D

Acq: 30 Jul 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

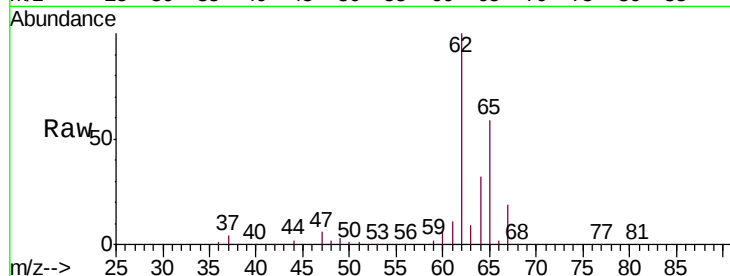
VSTD05038

Tgt Ion: 62 Resp: 158118

Ion Ratio Lower Upper

62 100

64 32.1 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

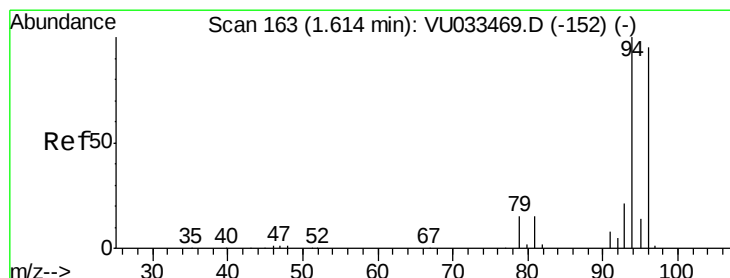
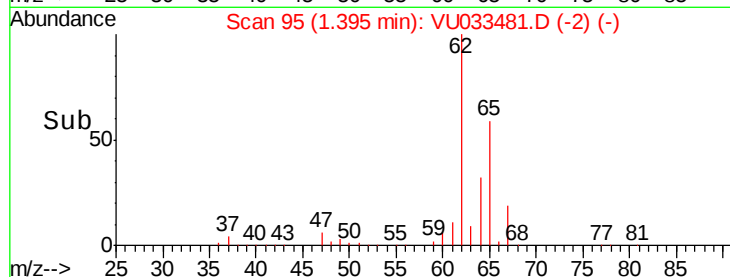
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 44.379 ug/L

RT: 1.61 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU033481.D

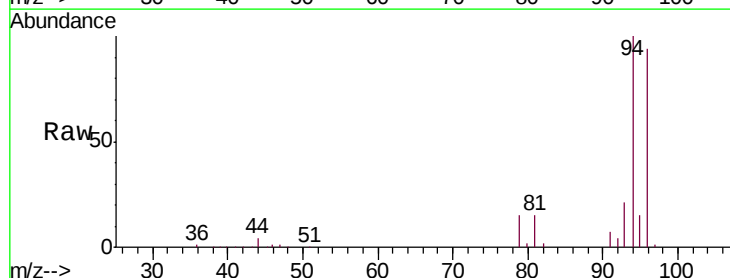
Acq: 30 Jul 2019 09:15

Tgt Ion: 94 Resp: 99009

Ion Ratio Lower Upper

94 100

96 94.2 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.61

80000

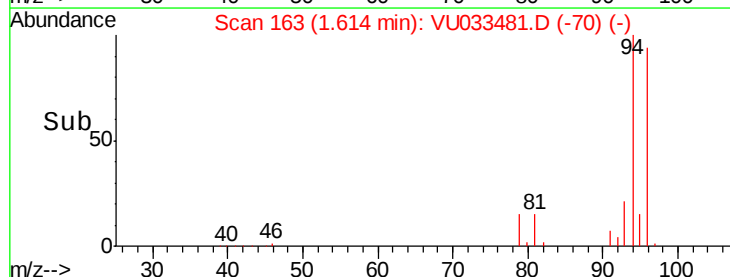
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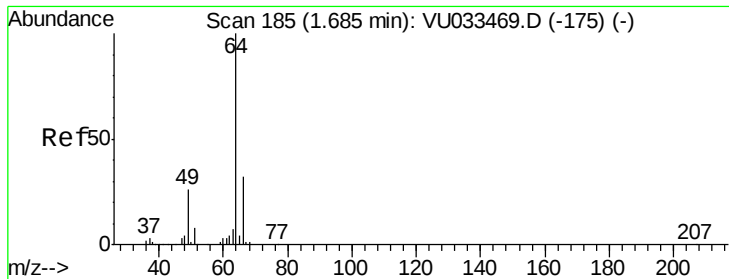
40000

20000

0

Time-->





#8

Chloroethane

Concen: 49.990 ug/L

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU033481.D

Acq: 30 Jul 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

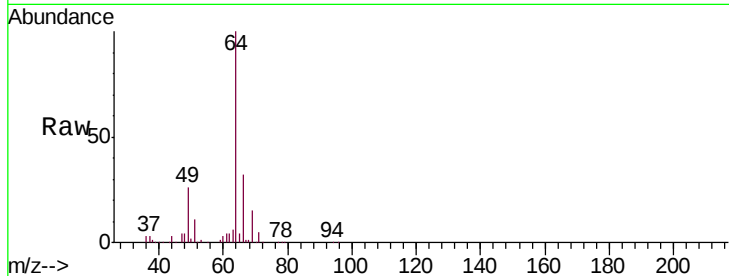
VSTD05038

Tgt Ion: 64 Resp: 97885

Ion Ratio Lower Upper

64 100

66 31.9 22.1 41.1



Abundance Ion 64.00 (63.70 to 64.70): VU033481.D (-175) (-)

Ion 66.00 (65.70 to 66.70): VU033481.D (-175) (-)

1.69

80000

60000

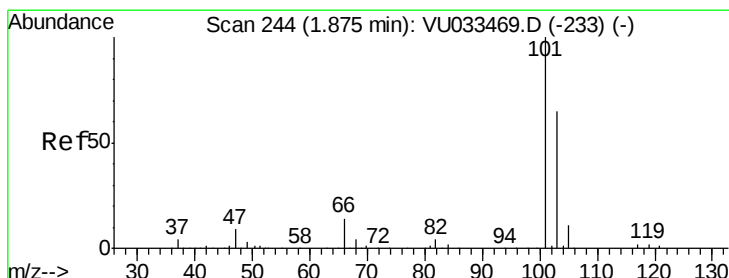
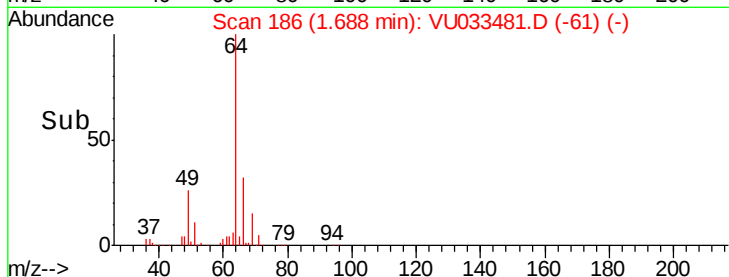
40000

20000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 51.226 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU033481.D

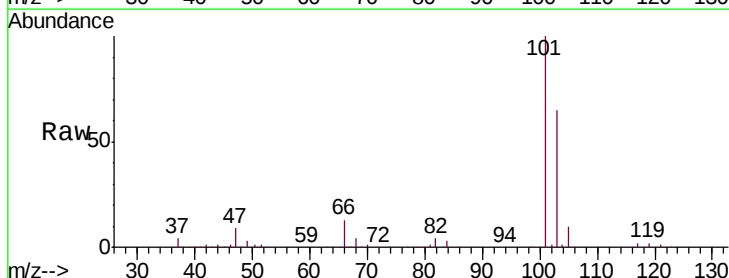
Acq: 30 Jul 2019 09:15

Tgt Ion: 101 Resp: 214473

Ion Ratio Lower Upper

101 100

103 64.8 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU033481.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU033481.D (-233) (-)

1.87

150000

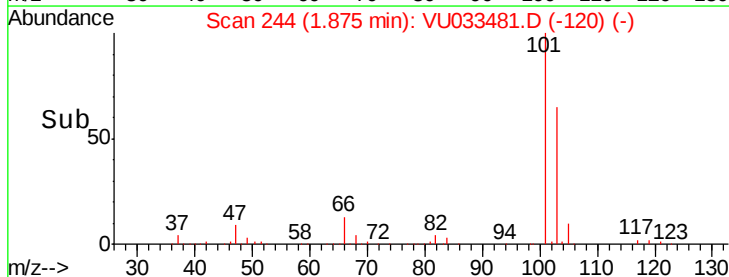
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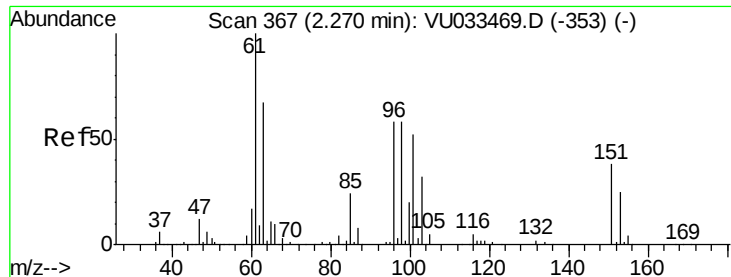
50000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 50.476 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033481.D

Acq: 30 Jul 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

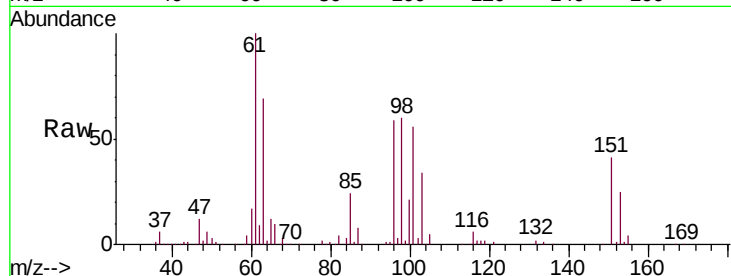
Tgt Ion: 101 Resp: 106197

Ion Ratio Lower Upper

101 100

85 44.9 35.8 53.8

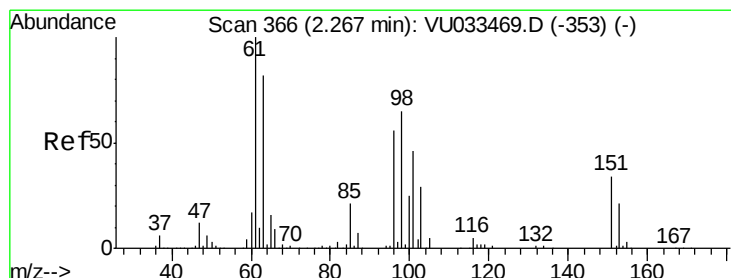
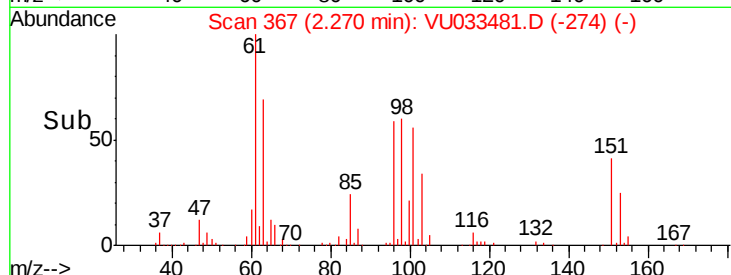
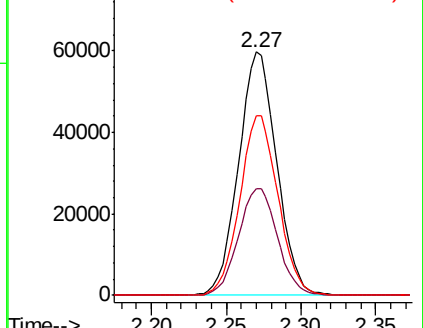
151 74.1 58.6 87.8



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: 47.939 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033481.D

Acq: 30 Jul 2019 09:15

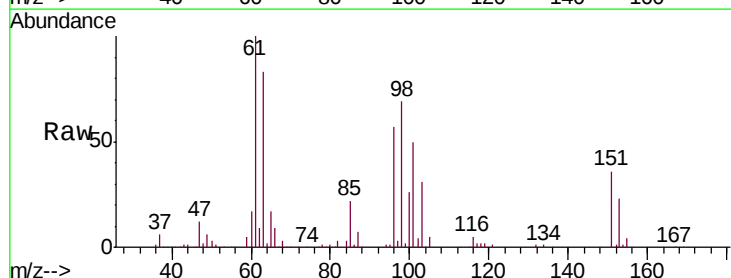
Tgt Ion: 96 Resp: 98276

Ion Ratio Lower Upper

96 100

61 174.6 124.1 230.5

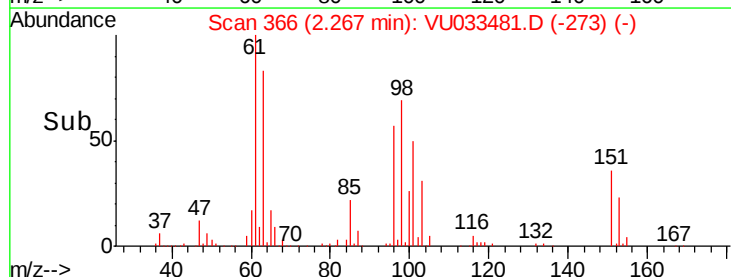
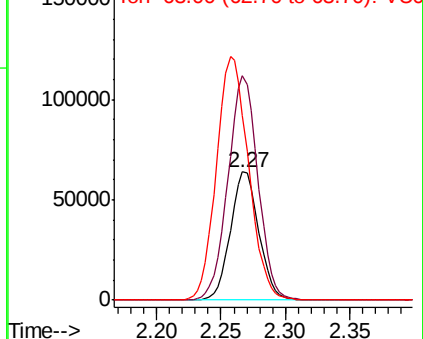
63 144.5 101.8 189.2

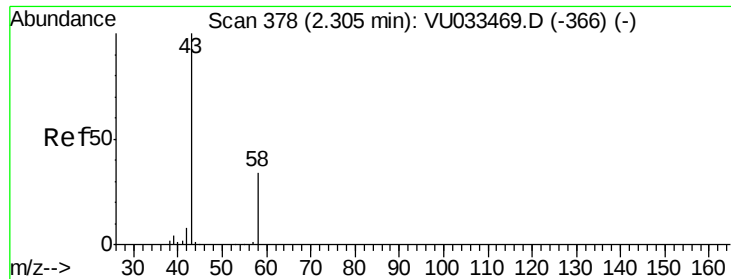


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

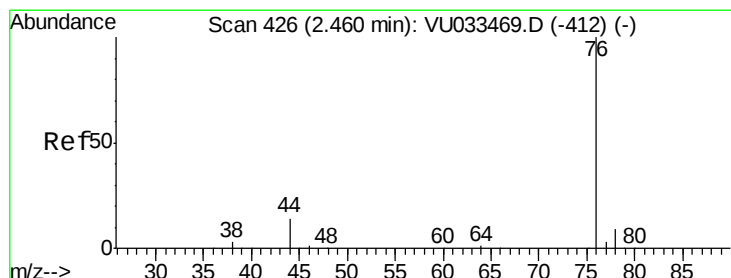
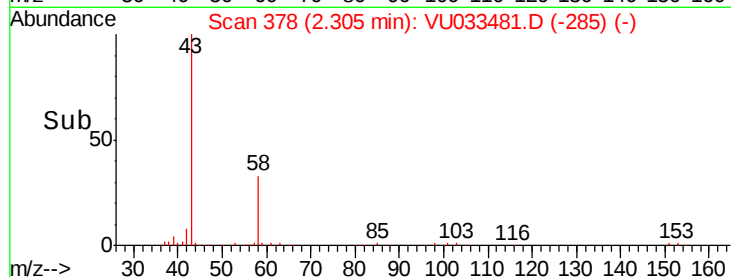
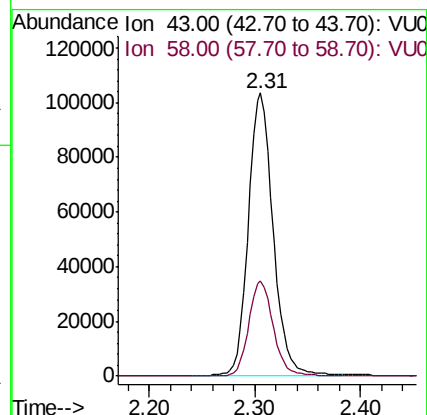
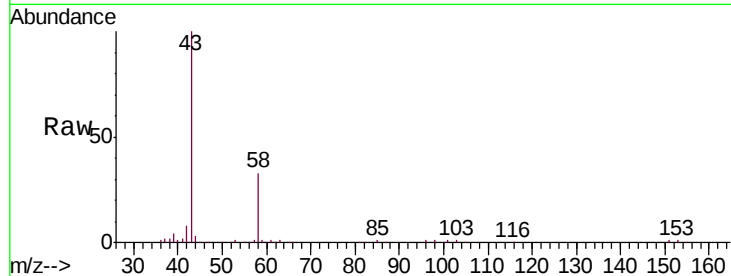




#13
Acetone
Concen: 117.580 ug/L
RT: 2.31 min Scan# 378
Delta R.T. -0.00 min
Lab File: VU033481.D
Acq: 30 Jul 2019 09:15

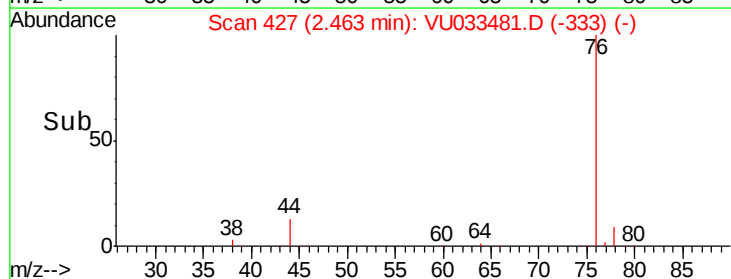
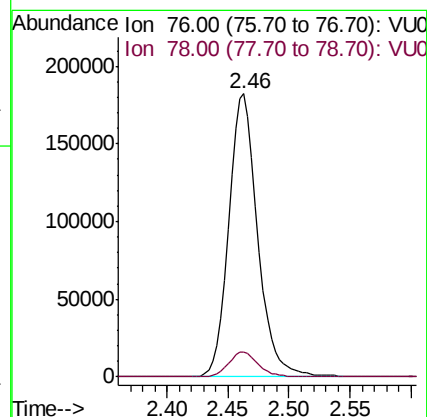
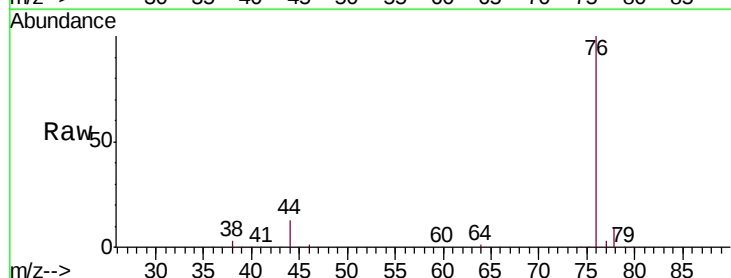
Instrument :
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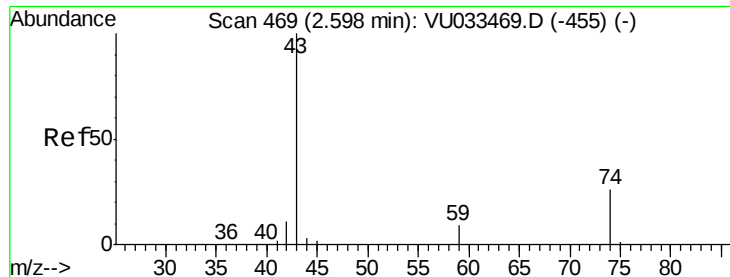
Tgt Ion: 43 Resp: 169896
Ion Ratio Lower Upper
43 100
58 33.3 0.0 67.4



#14
Carbon disulfide
Concen: 49.664 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU033481.D
Acq: 30 Jul 2019 09:15

Tgt Ion: 76 Resp: 303344
Ion Ratio Lower Upper
76 100
78 8.8 7.2 10.8

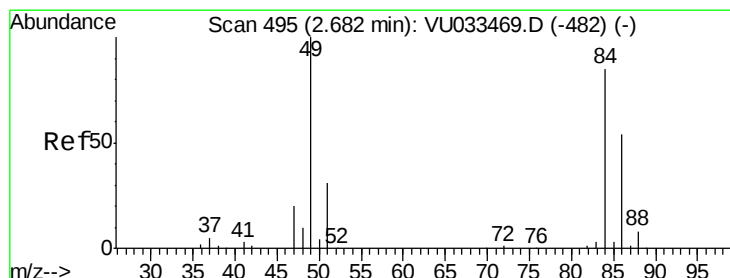
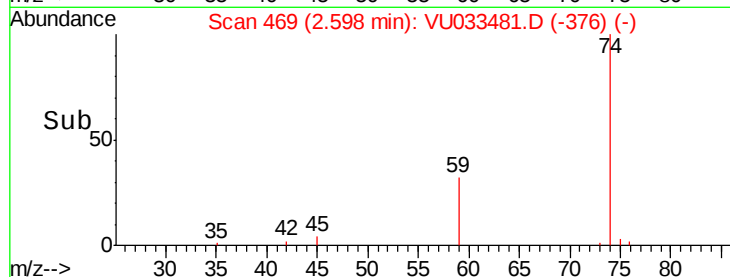
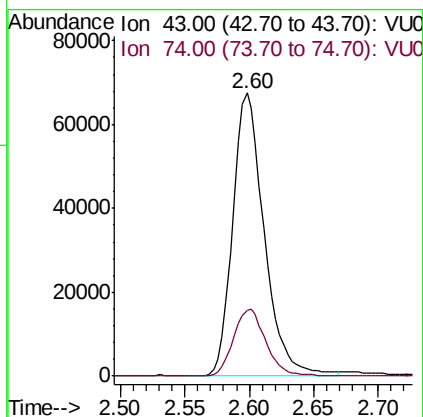
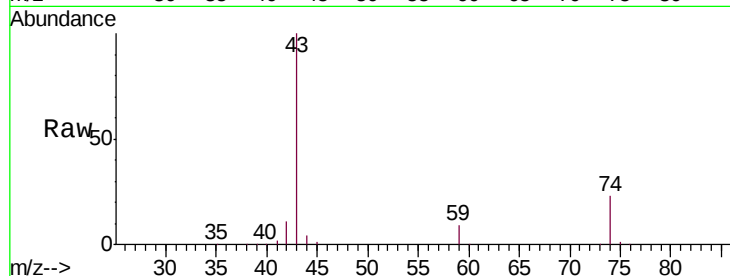




#15
Methyl Acetate
Concen: 49.223 ug/L
RT: 2.60 min Scan# 469
Delta R.T. -0.00 min
Lab File: VU033481.D
Acq: 30 Jul 2019 09:15

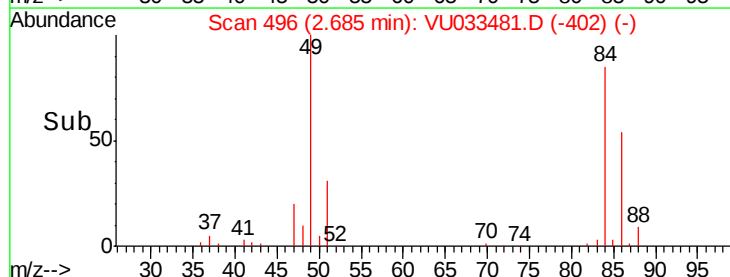
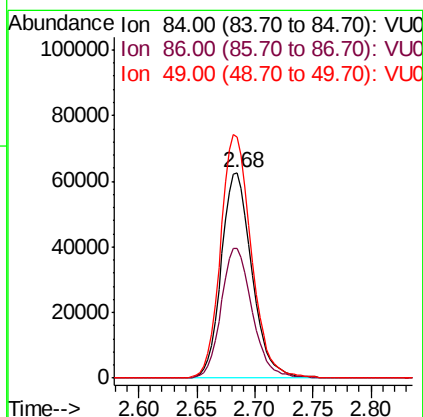
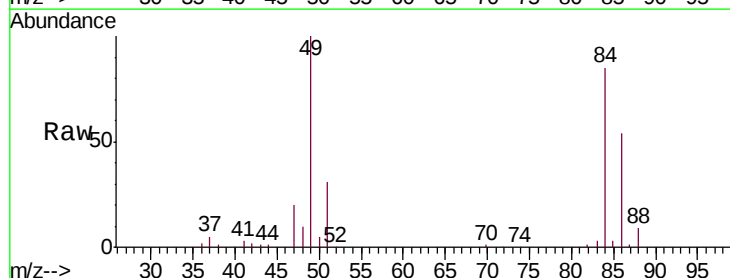
Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

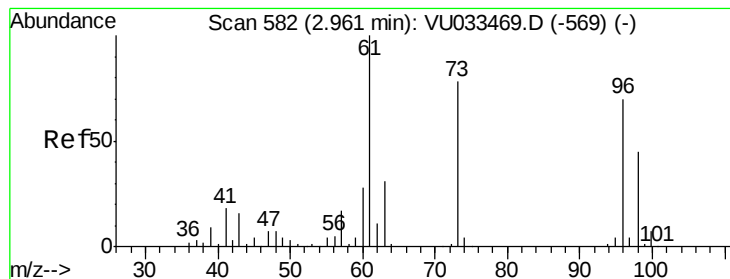
Tgt Ion: 43 Resp: 114063
Ion Ratio Lower Upper
43 100
74 24.3 20.5 30.7



#16
Methylene chloride
Concen: 50.769 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU033481.D
Acq: 30 Jul 2019 09:15

Tgt Ion: 84 Resp: 114344
Ion Ratio Lower Upper
84 100
86 62.9 44.2 82.0
49 117.5 82.3 152.8





#17

trans-1,2-Dichloroethene

Concen: 51.020 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033481.D

Acq: 30 Jul 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

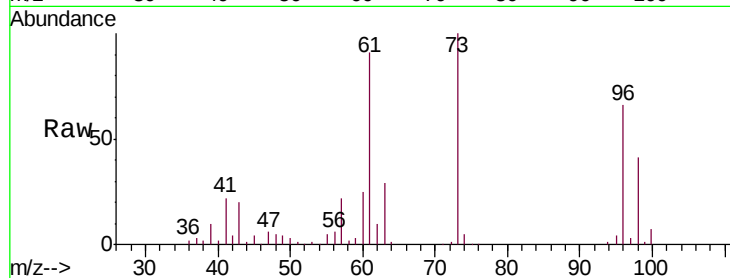
Tgt Ion: 96 Resp: 103894

Ion Ratio Lower Upper

96 100

61 138.9 100.3 186.3

98 61.9 45.1 83.9

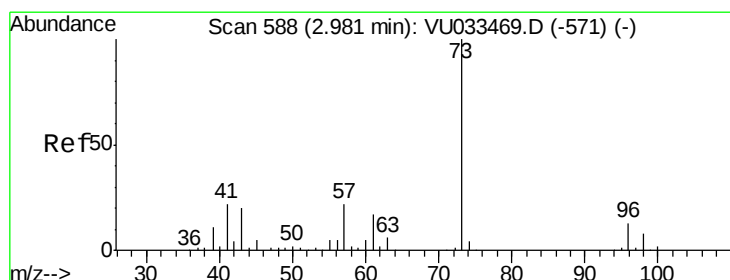
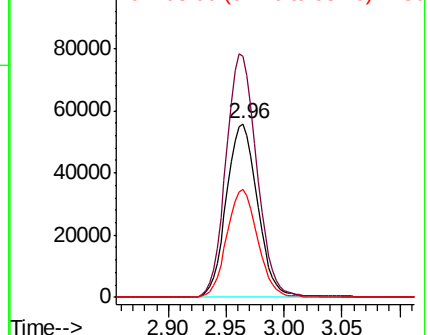
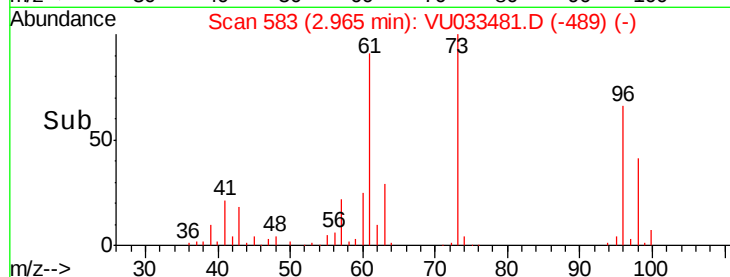


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 51.695 ug/L

RT: 2.98 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU033481.D

Acq: 30 Jul 2019 09:15

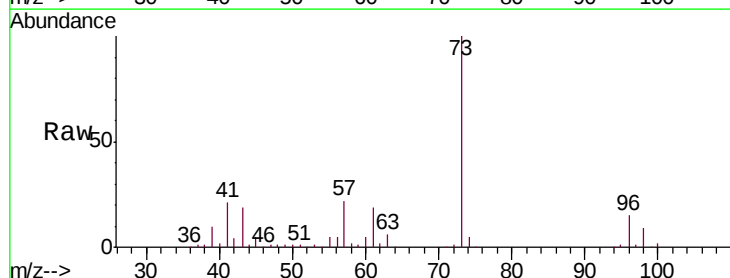
Tgt Ion: 73 Resp: 310636

Ion Ratio Lower Upper

73 100

43 19.5 15.3 22.9

57 22.2 17.7 26.5

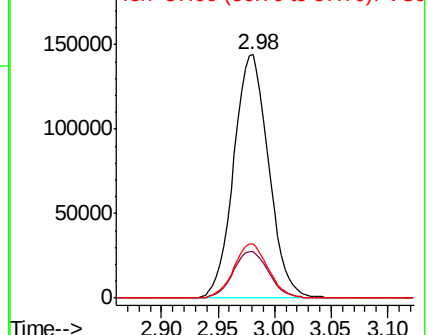
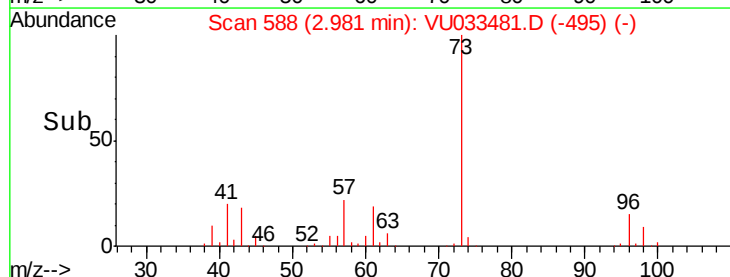


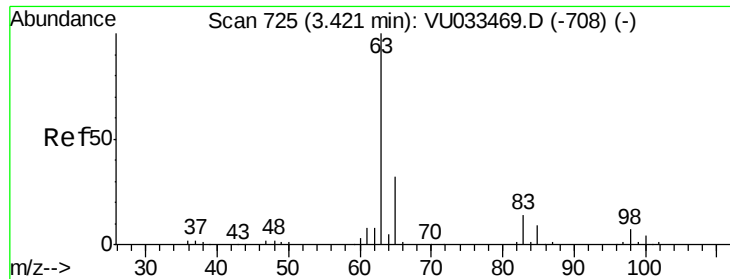
Abundance

Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 51.039 ug/L

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VU033481.D

Acq: 30 Jul 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

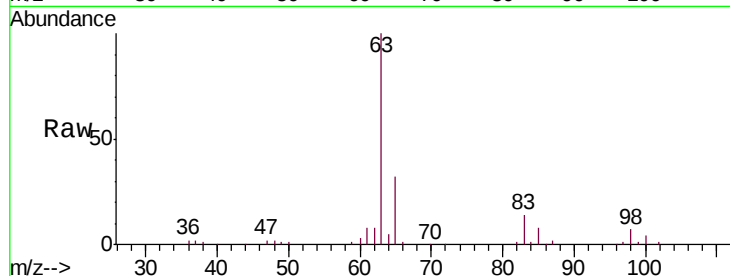
Tgt Ion: 63 Resp: 195684

Ion Ratio Lower Upper

63 100

65 31.5 22.7 42.1

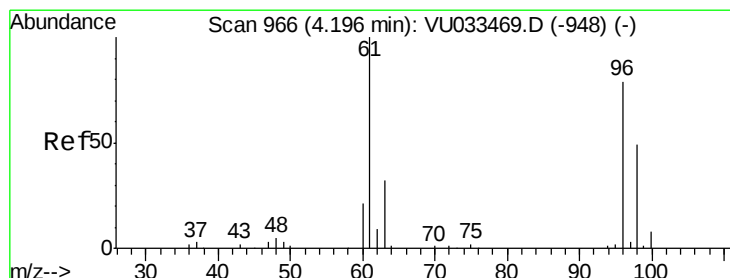
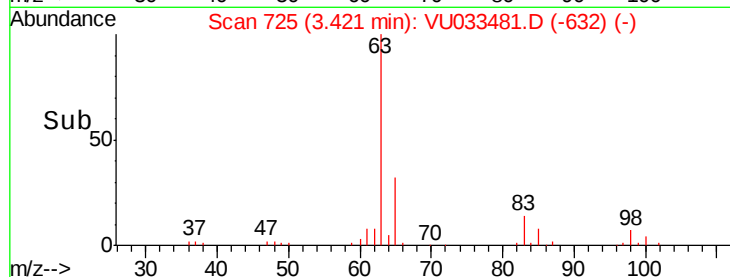
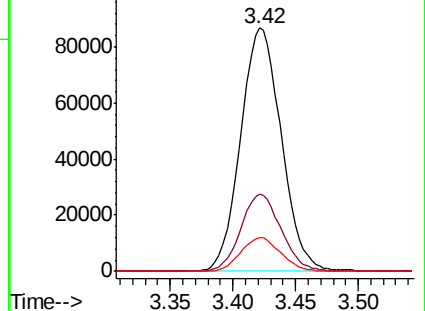
83 13.8 9.4 17.6



Abundance Ion 63.00 (62.70 to 63.70): VU033481.D (-708) (-)

Ion 65.00 (64.70 to 65.70): VU033481.D (-708) (-)

Ion 83.00 (82.70 to 83.70): VU033481.D (-708) (-)



#20

cis-1,2-Dichloroethene

Concen: 51.497 ug/L

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033481.D

Acq: 30 Jul 2019 09:15

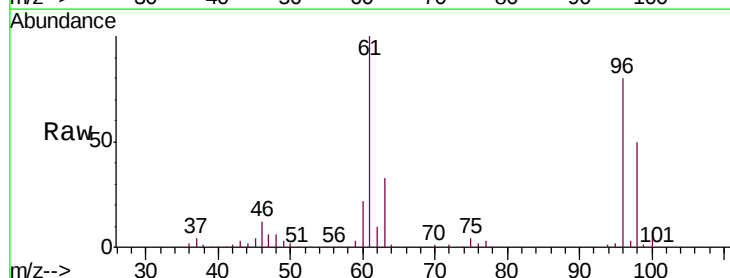
Tgt Ion: 96 Resp: 115739

Ion Ratio Lower Upper

96 100

61 125.7 88.9 165.1

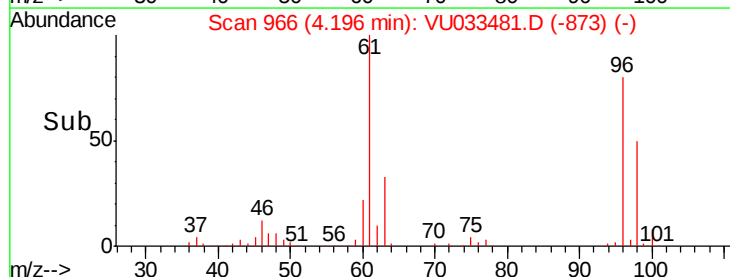
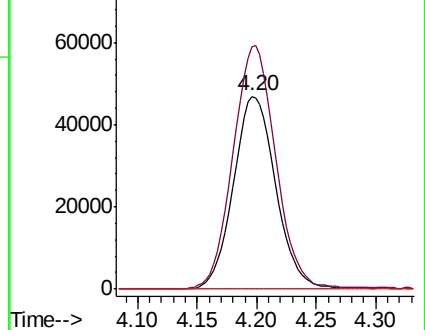
68 0.0 0.0 0.0

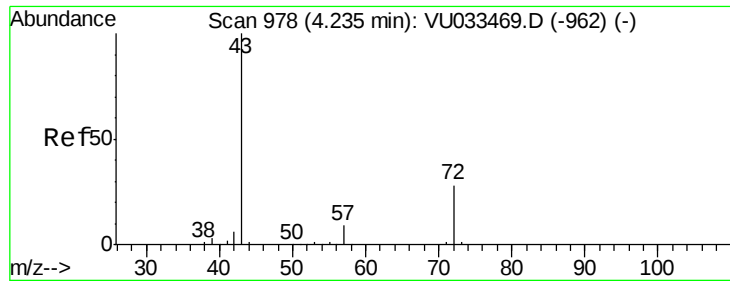


Abundance Ion 96.00 (95.70 to 96.70): VU033481.D (-873) (-)

Ion 61.00 (60.70 to 61.70): VU033481.D (-873) (-)

Ion 68.00 (67.70 to 68.70): VU033481.D (-873) (-)





#22

2-Butanone

Concen: 109.501 ug/L

RT: 4.23 min Scan# 977

Delta R.T. -0.00 min

Lab File: VU033481.D

Acq: 30 Jul 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

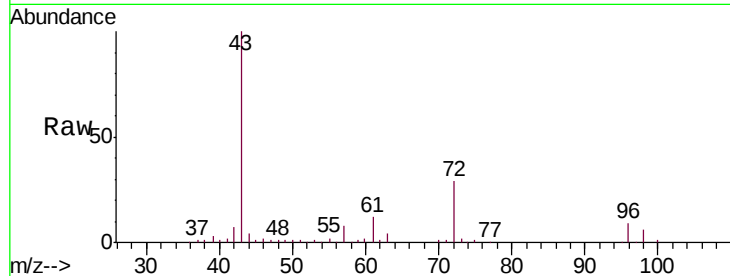
VSTD05038

Tgt Ion: 43 Resp: 188000

Ion Ratio Lower Upper

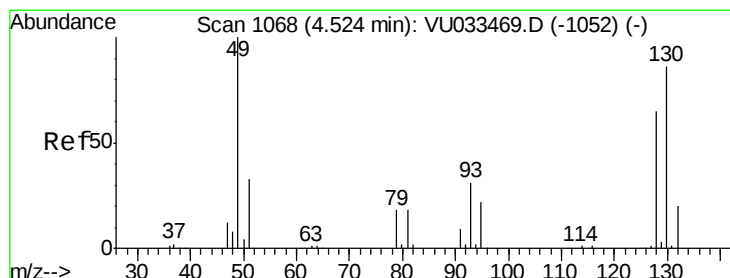
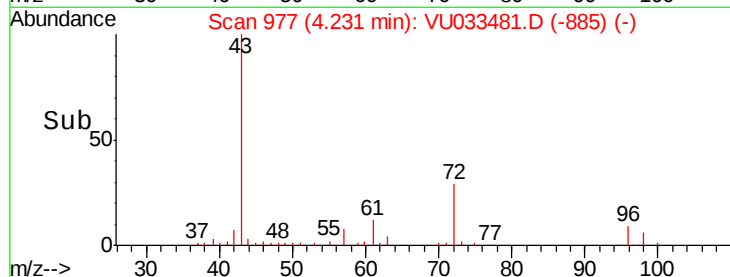
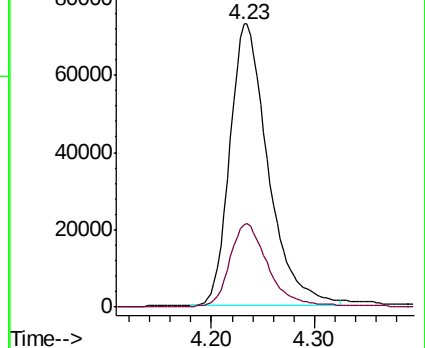
43 100

72 30.4 14.1 42.3



Abundance Ion 43.00 (42.70 to 43.70): VU033481.D (-977) (-)

Ion 72.00 (71.70 to 72.70): VU033481.D (-977) (-)



#23

Bromochloromethane

Concen: 49.889 ug/L

RT: 4.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU033481.D

Acq: 30 Jul 2019 09:15

Tgt Ion: 128 Resp: 59552

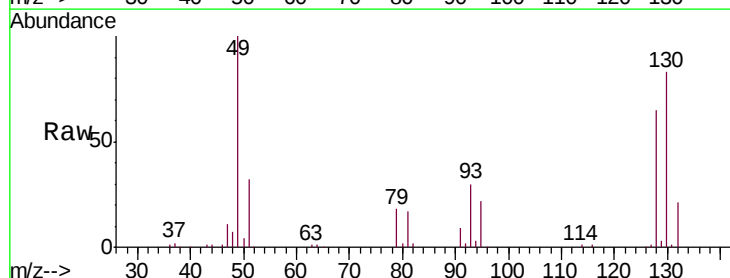
Ion Ratio Lower Upper

128 100

49 153.6 108.0 200.6

130 127.3 92.9 172.5

51 48.4 40.2 60.4

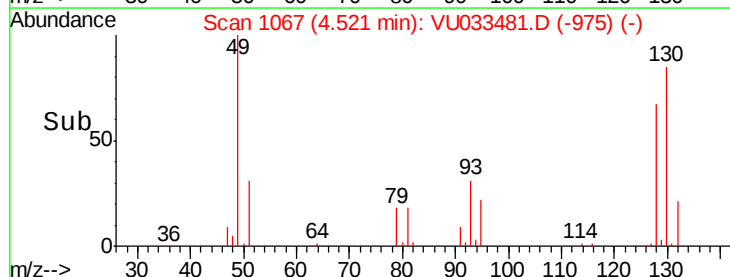
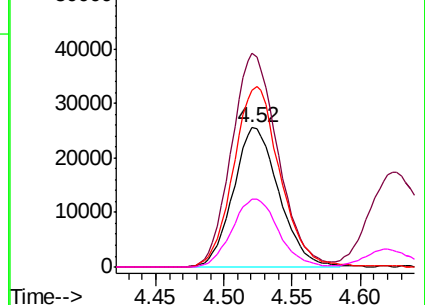


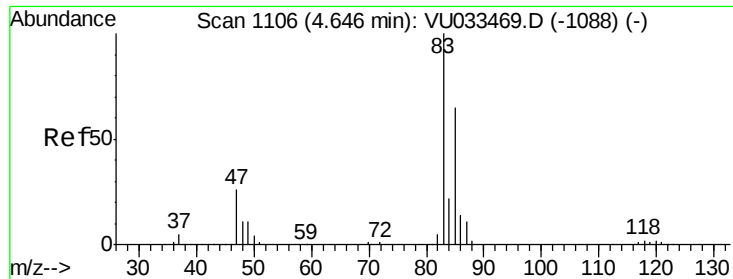
Abundance Ion 128.00 (127.70 to 128.70): VU033481.D (-1067) (-)

Ion 49.00 (48.70 to 49.70): VU033481.D (-1067) (-)

Ion 130.00 (129.70 to 130.70): VU033481.D (-1067) (-)

Ion 51.00 (50.70 to 51.70): VU033481.D (-1067) (-)

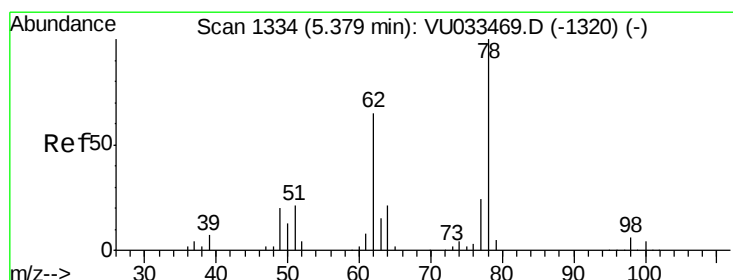
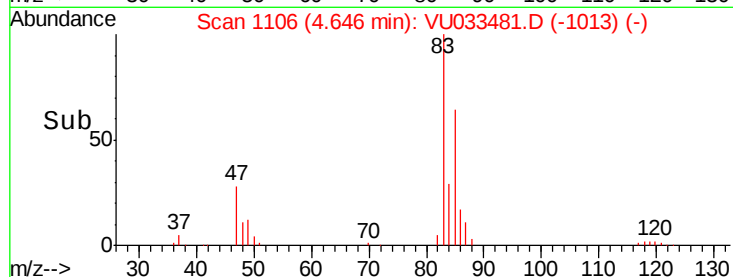
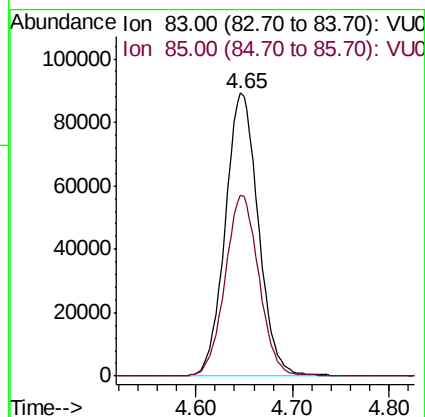
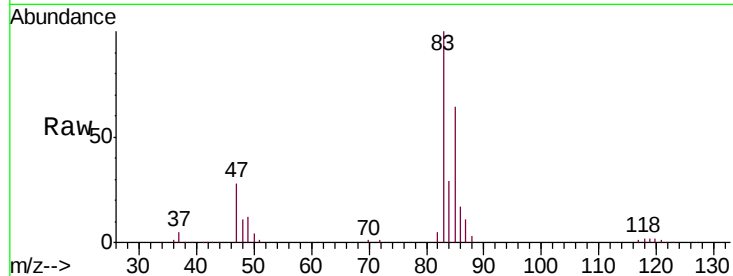




#25
Chloroform
Concen: 52.260 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033481.D
Acq: 30 Jul 2019 09:15

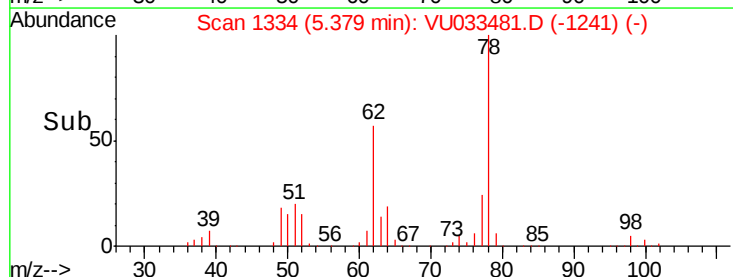
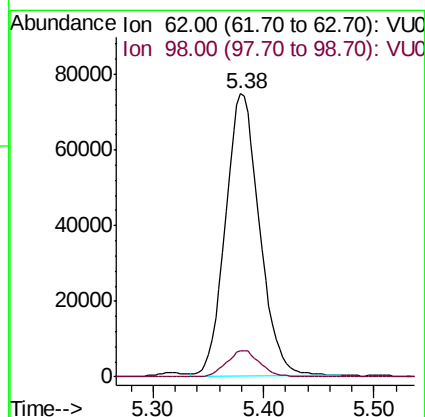
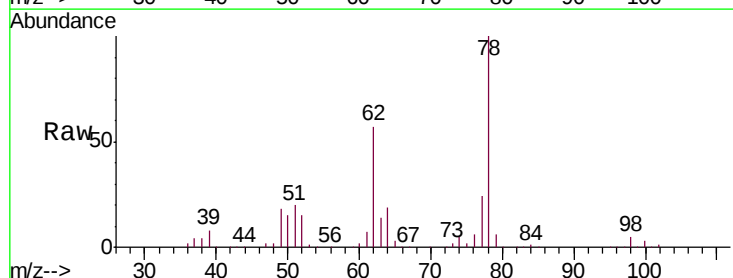
Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

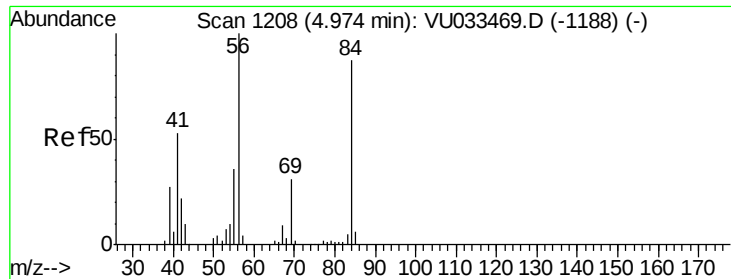
Tgt Ion: 83 Resp: 212435
Ion Ratio Lower Upper
83 100
85 64.0 45.6 84.8



#27
1,2-Dichloroethane
Concen: 50.537 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU033481.D
Acq: 30 Jul 2019 09:15

Tgt Ion: 62 Resp: 159533
Ion Ratio Lower Upper
62 100
98 9.3 6.7 10.1

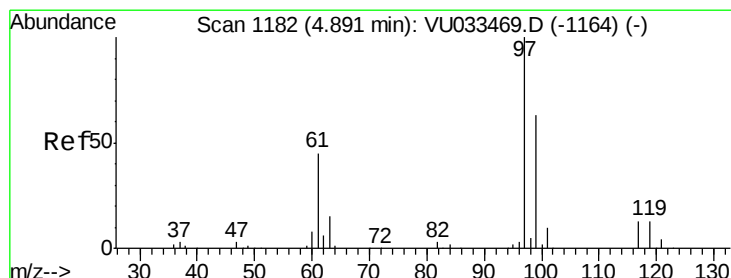
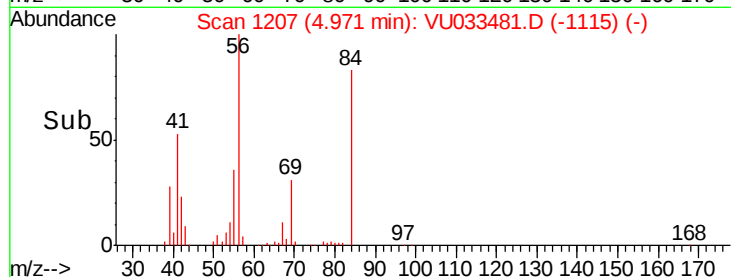
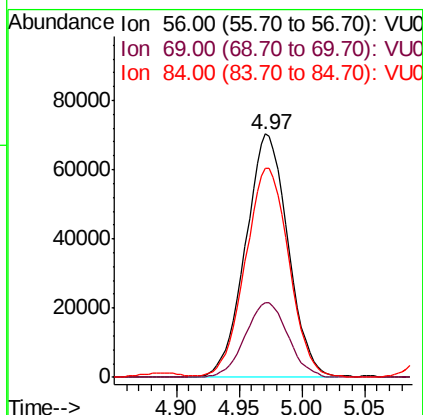
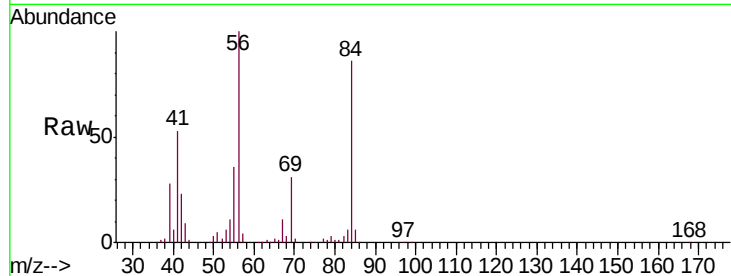




#29
Cyclohexane
Concen: 52.521 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU033481.D
Acq: 30 Jul 2019 09:15

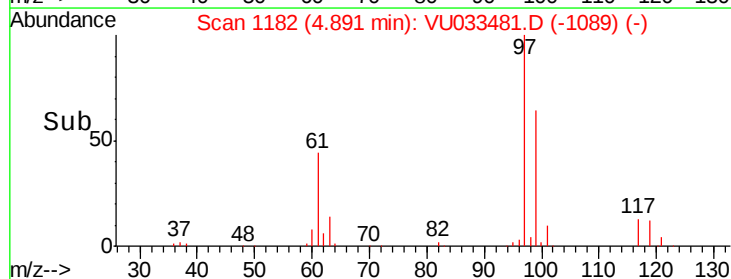
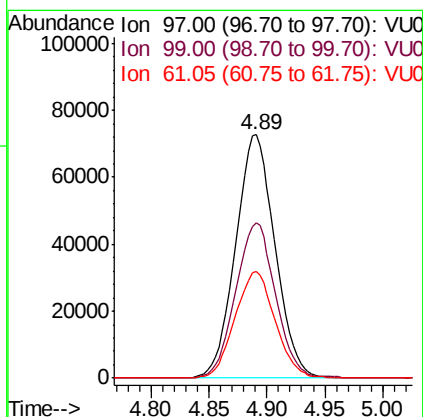
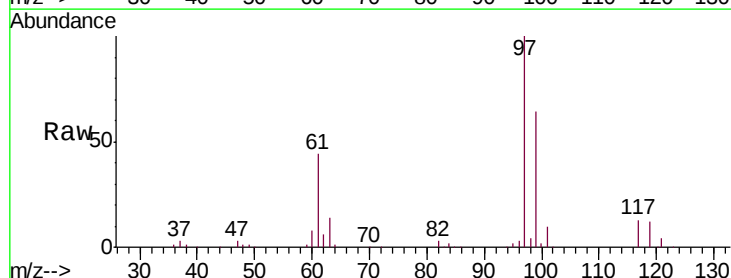
Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

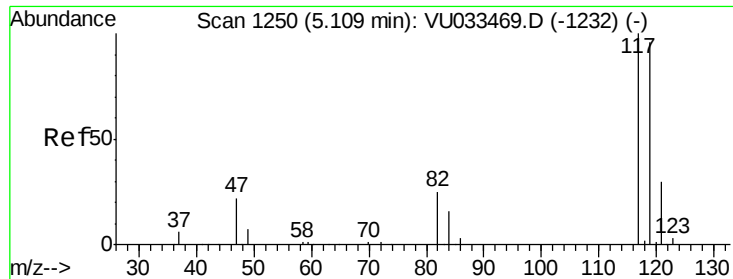
Tgt Ion: 56 Resp: 165985
Ion Ratio Lower Upper
56 100
69 31.0 25.3 37.9
84 88.2 69.6 104.4



#30
1,1,1-Trichloroethane
Concen: 50.131 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU033481.D
Acq: 30 Jul 2019 09:15

Tgt Ion: 97 Resp: 171707
Ion Ratio Lower Upper
97 100
99 64.3 51.8 77.6
61 44.7 36.2 54.2





#31

Carbon tetrachloride

Concen: 50.842 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU033481.D

Acq: 30 Jul 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

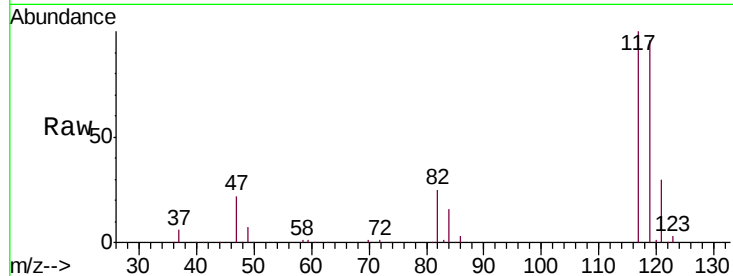
VSTD05038

Tgt Ion:117 Resp: 155012

Ion Ratio Lower Upper

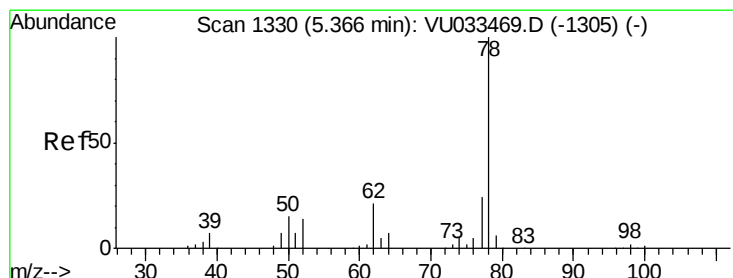
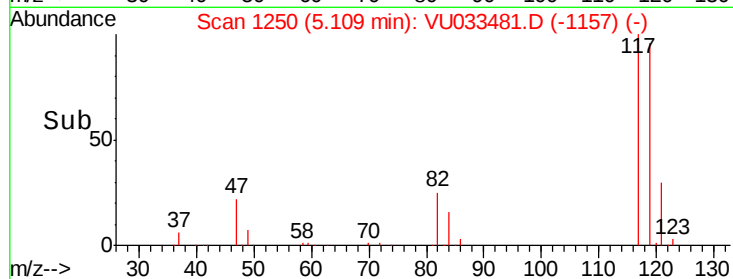
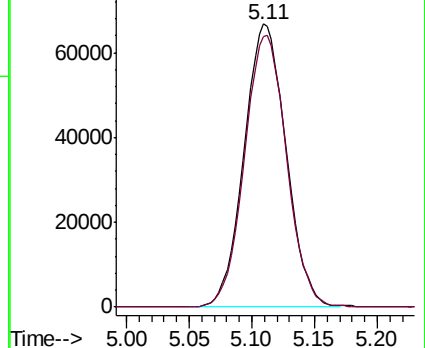
117 100

119 96.2 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.468 ug/L

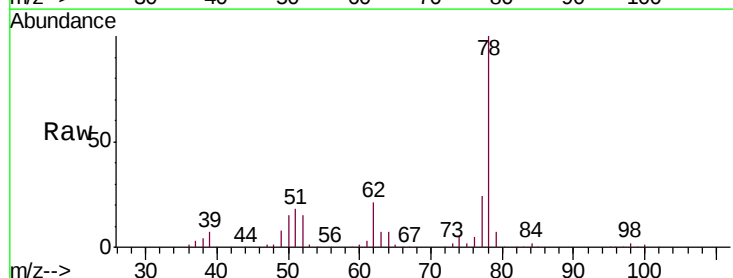
RT: 5.37 min Scan# 1330

Delta R.T. -0.00 min

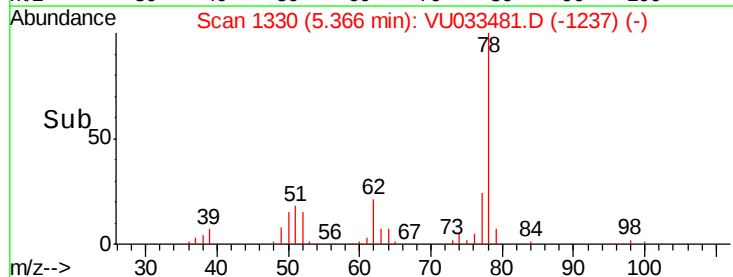
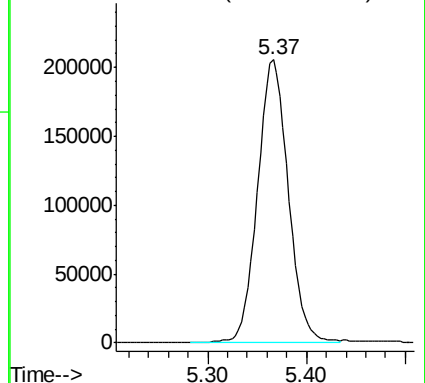
Lab File: VU033481.D

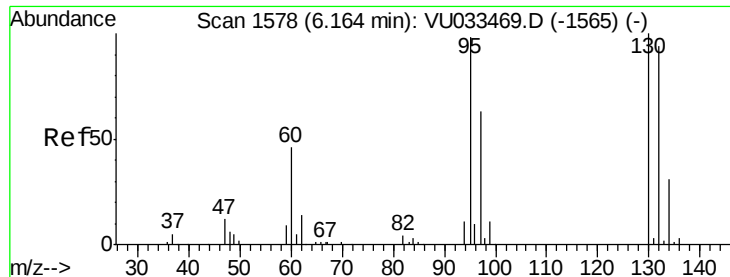
Acq: 30 Jul 2019 09:15

Tgt Ion: 78 Resp: 442522



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 50.601 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033481.D

Acq: 30 Jul 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

Tgt Ion: 95 Resp: 113354

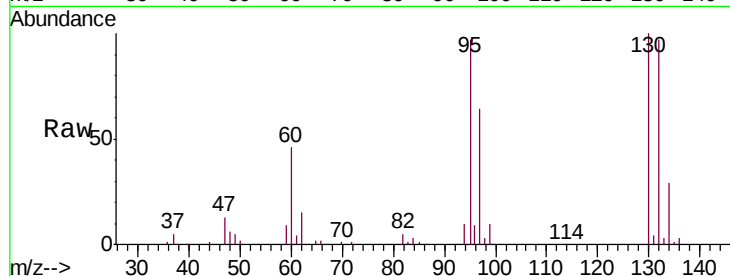
Ion Ratio Lower Upper

95 100

97 65.6 45.4 84.2

132 99.4 67.1 124.5

130 102.8 71.4 132.6

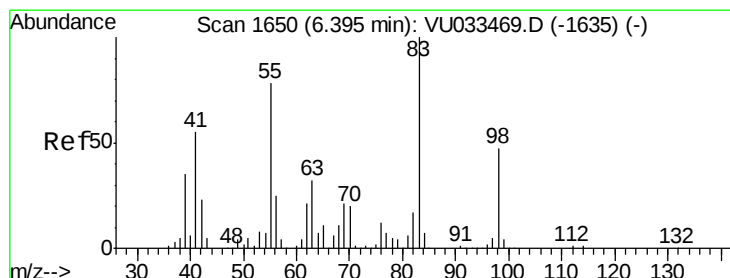
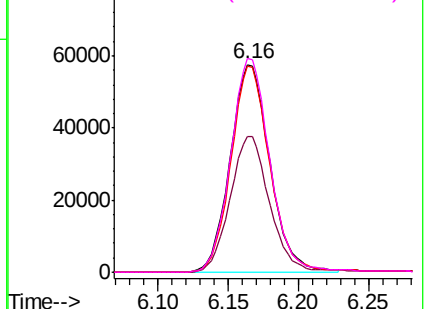
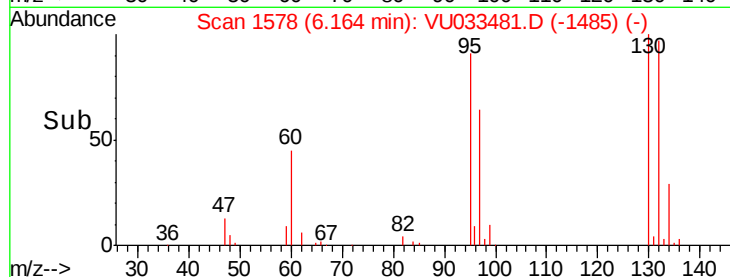


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 52.423 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VU033481.D

Acq: 30 Jul 2019 09:15

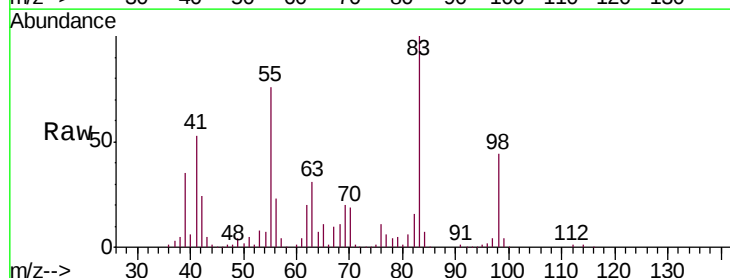
Tgt Ion: 83 Resp: 178570

Ion Ratio Lower Upper

83 100

55 76.3 62.4 93.6

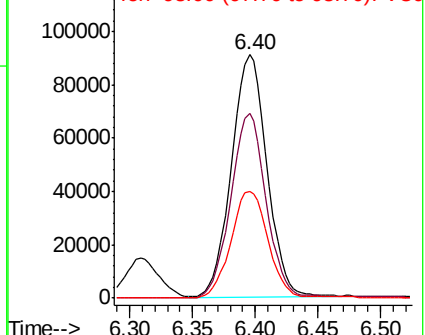
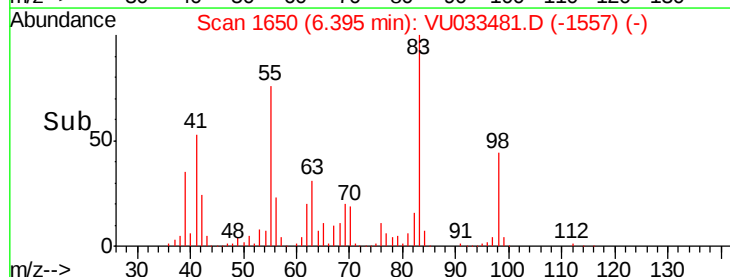
98 46.1 37.3 55.9

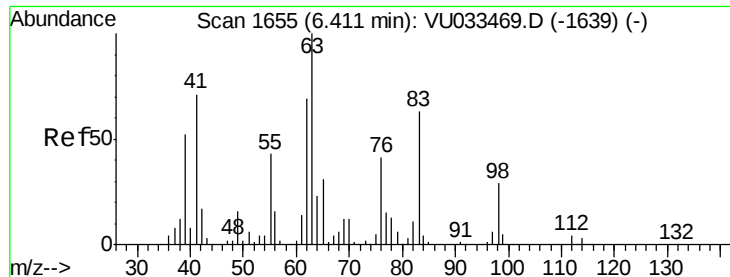


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

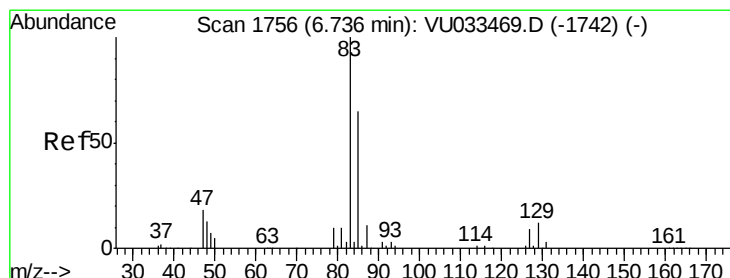
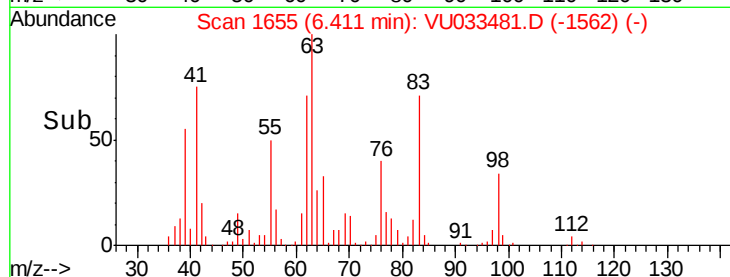
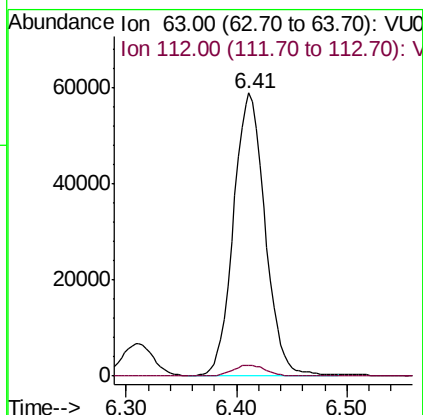
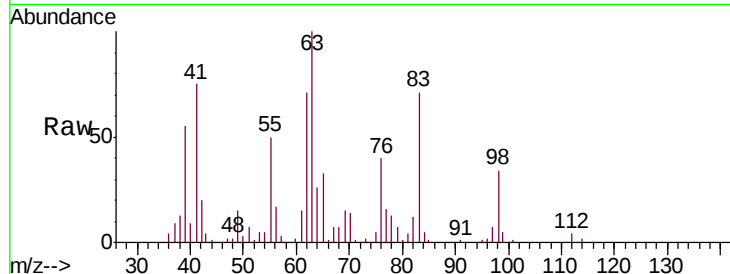




#37
 1,2-Dichloropropane
 Concen: 50.466 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU033481.D
 Acq: 30 Jul 2019 09:15

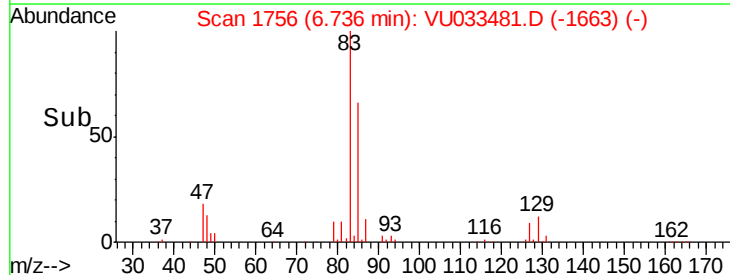
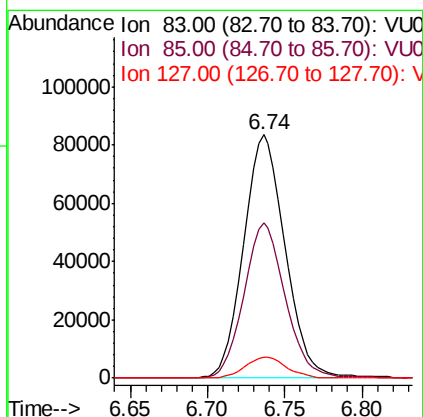
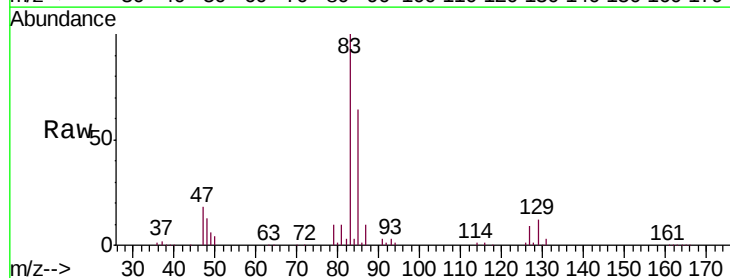
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

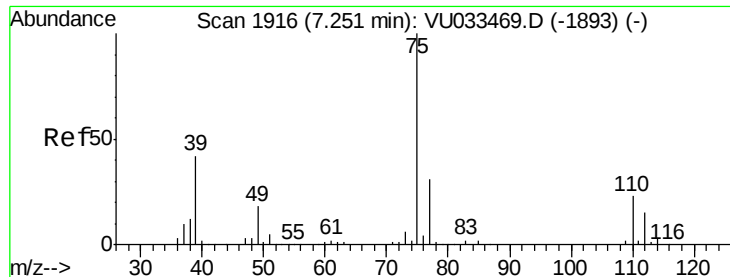
Tgt Ion: 63 Resp: 116700
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.1 4.7



#38
 Bromodichloromethane
 Concen: 50.994 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VU033481.D
 Acq: 30 Jul 2019 09:15

Tgt Ion: 83 Resp: 155234
 Ion Ratio Lower Upper
 83 100
 85 63.9 45.4 84.4
 127 8.6 7.3 10.9

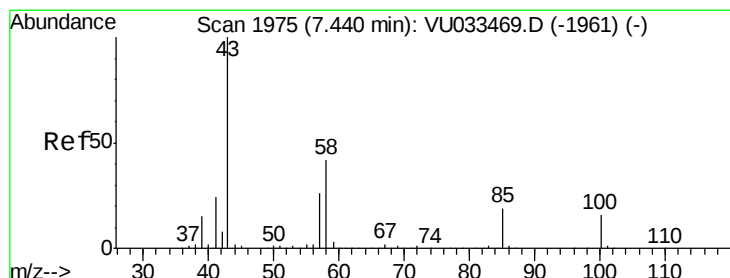
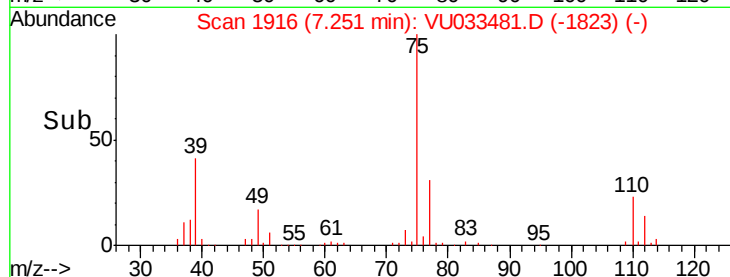
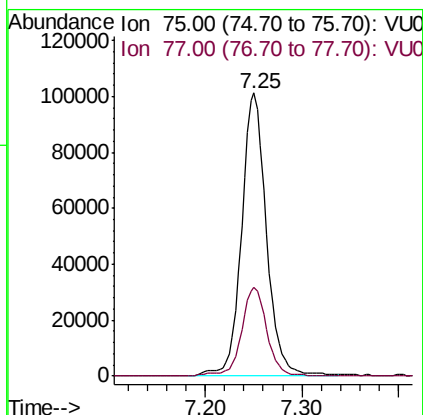
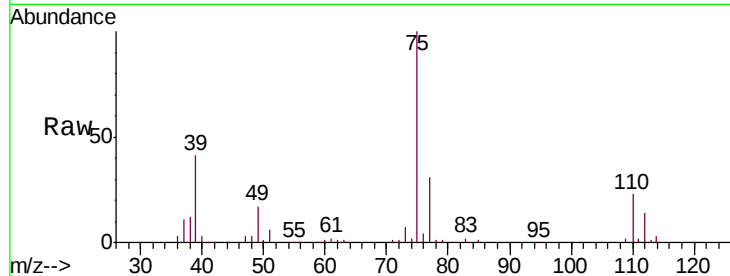




#39
 cis-1,3-Dichloropropene
 Concen: 52.614 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU033481.D
 Acq: 30 Jul 2019 09:15

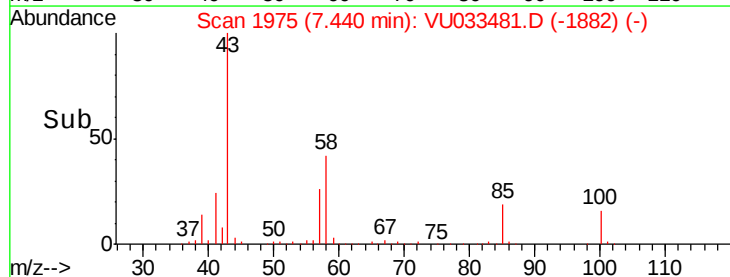
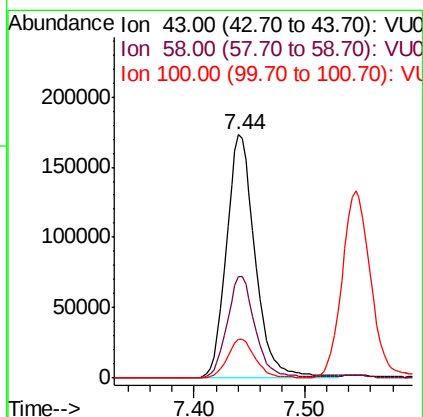
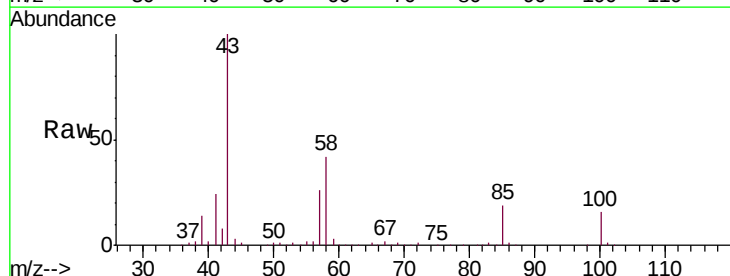
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

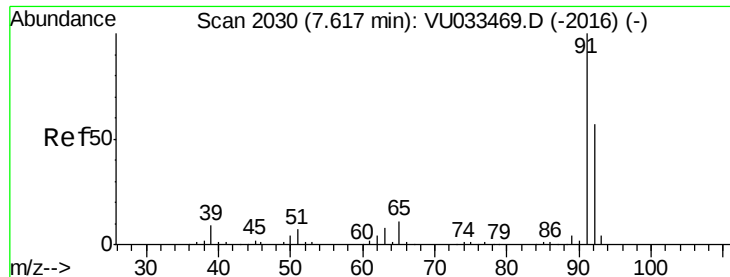
Tgt Ion: 75 Resp: 181428
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 102.649 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU033481.D
 Acq: 30 Jul 2019 09:15

Tgt Ion: 43 Resp: 312826
 Ion Ratio Lower Upper
 43 100
 58 41.1 33.4 50.2
 100 15.6 12.3 18.5





#42

Toluene

Concen: 53.150 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033481.D

Acq: 30 Jul 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

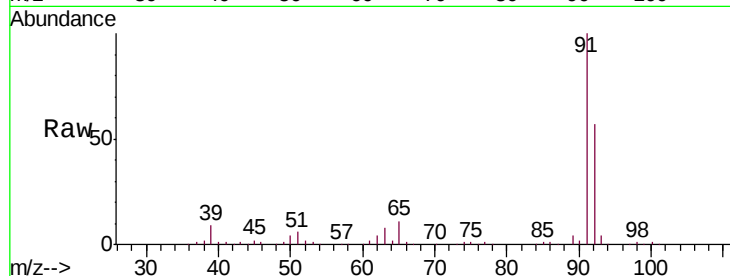
VSTD05038

Tgt Ion: 91 Resp: 491782

Ion Ratio Lower Upper

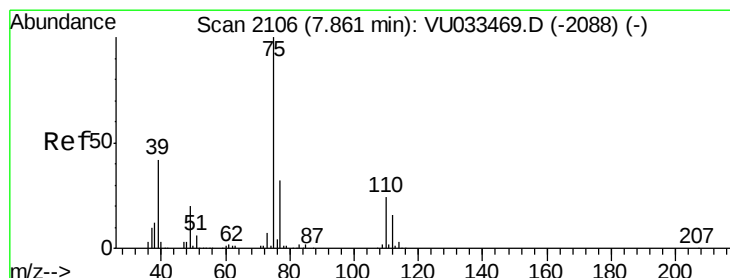
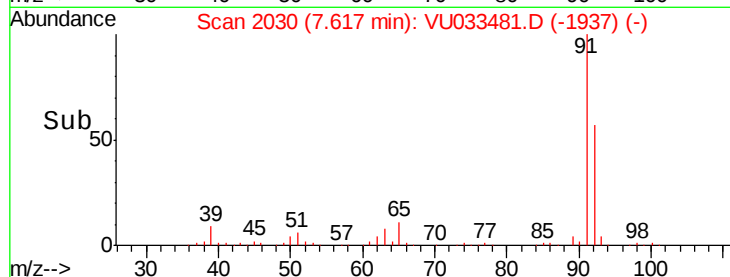
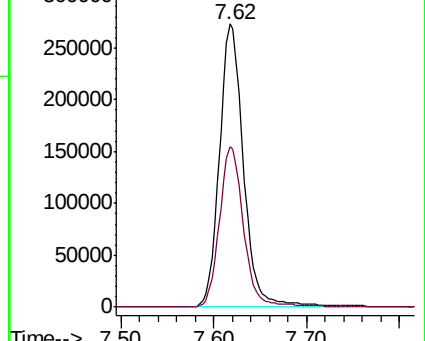
91 100

92 56.7 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VU033481.D (-1937) (-)

Ion 92.00 (91.70 to 92.70): VU033481.D (-1937) (-)



#44

trans-1,3-Dichloropropene

Concen: 52.082 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033481.D

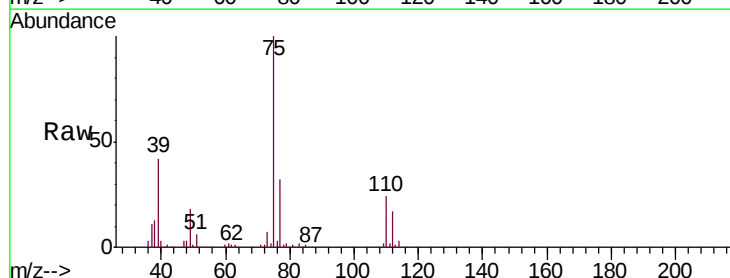
Acq: 30 Jul 2019 09:15

Tgt Ion: 75 Resp: 163009

Ion Ratio Lower Upper

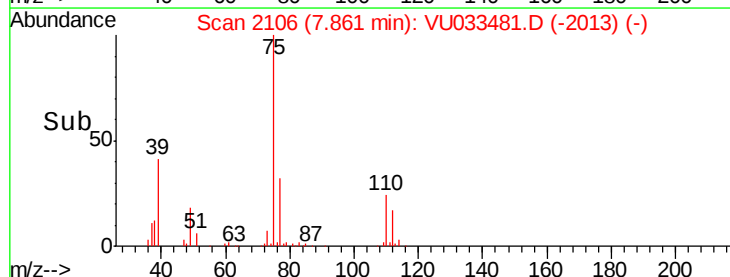
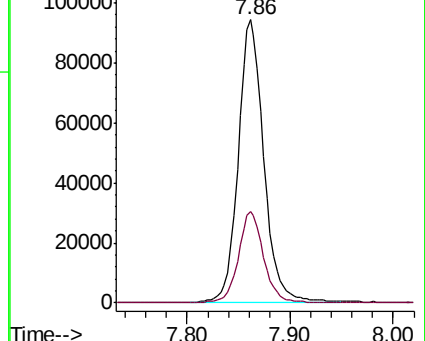
75 100

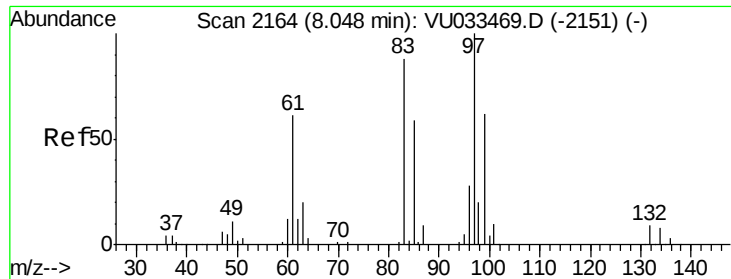
77 32.3 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VU033481.D (-2013) (-)

Ion 77.00 (76.70 to 77.70): VU033481.D (-2013) (-)

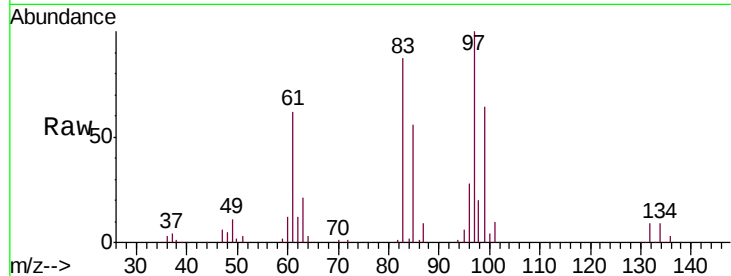




#45
 1,1,2-Trichloroethane
 Concen: 51.431 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU033481.D
 Acq: 30 Jul 2019 09:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Tgt Ion:	97	Resp:	113433
Ion	Ratio	Lower	Upper
97	100		
99	63.8	43.3	80.5
83	87.4	61.3	113.9
85	55.7	41.0	76.2



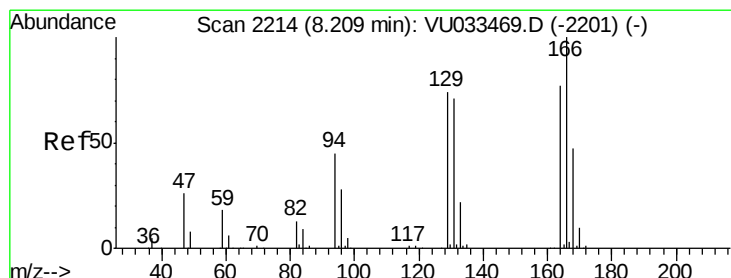
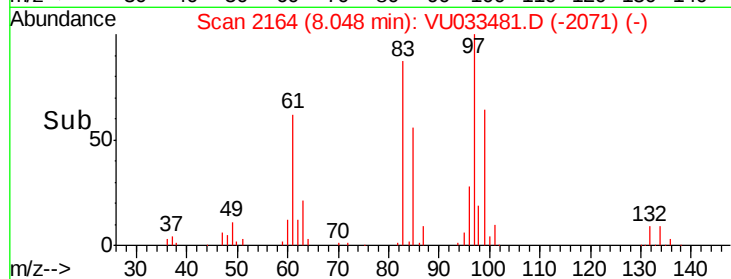
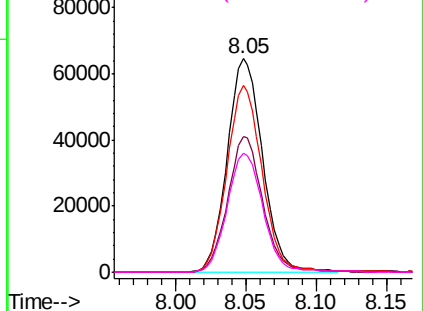
Abundance

Ion 97.00 (96.70 to 97.70): VU033481.D (-2151) (-)

Ion 99.00 (98.70 to 99.70): VU033481.D (-2151) (-)

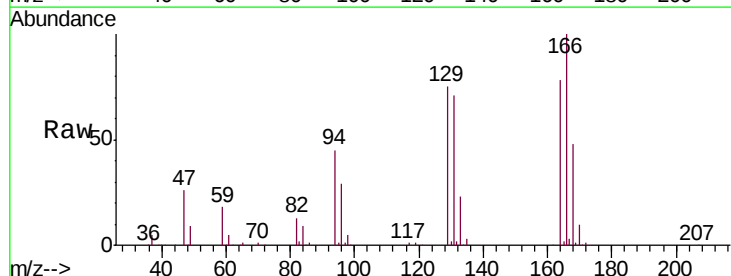
Ion 83.00 (82.70 to 83.70): VU033481.D (-2151) (-)

Ion 85.00 (84.70 to 85.70): VU033481.D (-2151) (-)



#46
 Tetrachloroethene
 Concen: 51.671 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VU033481.D
 Acq: 30 Jul 2019 09:15

Tgt Ion:	164	Resp:	94197
Ion	Ratio	Lower	Upper
164	100		
129	96.5	66.6	123.8
131	91.0	63.9	118.7
166	128.4	90.5	168.1



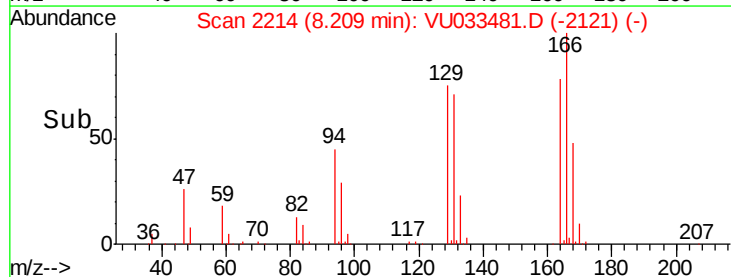
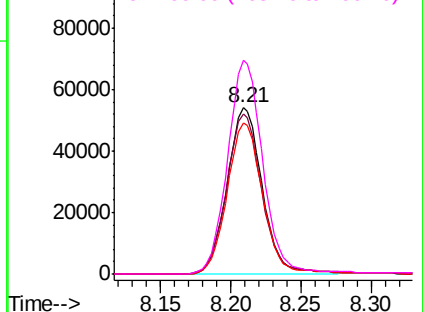
Abundance

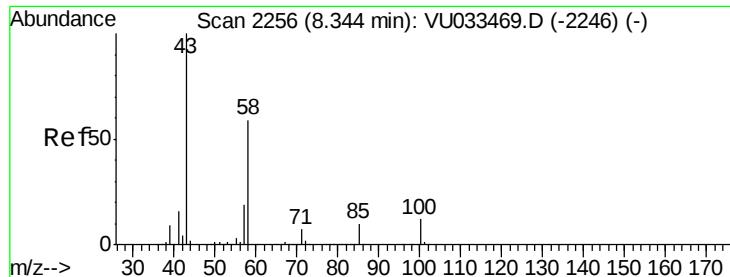
Ion 164.00 (163.70 to 164.70): VU033481.D (-2211) (-)

Ion 129.00 (128.70 to 129.70): VU033481.D (-2211) (-)

Ion 131.00 (130.70 to 131.70): VU033481.D (-2211) (-)

Ion 166.00 (165.70 to 166.70): VU033481.D (-2211) (-)

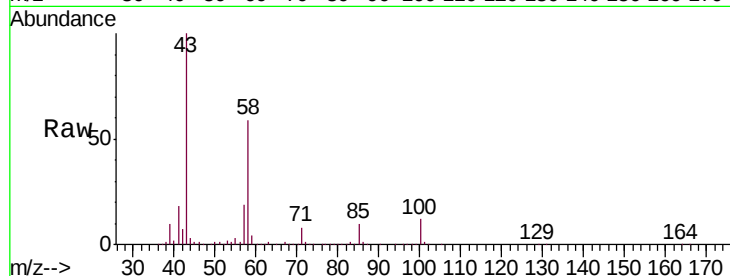




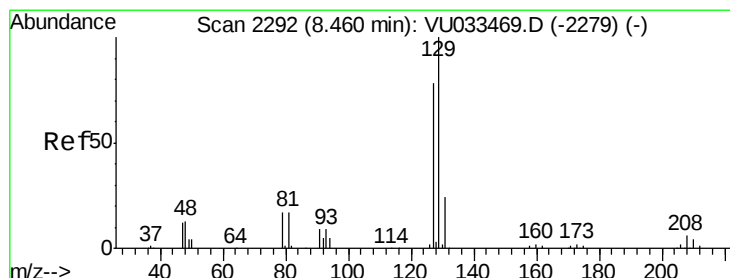
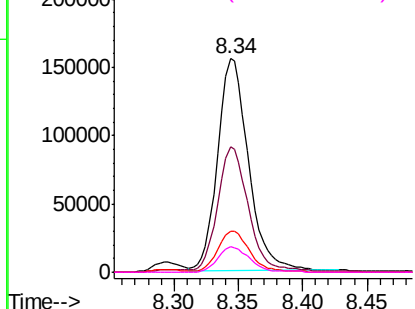
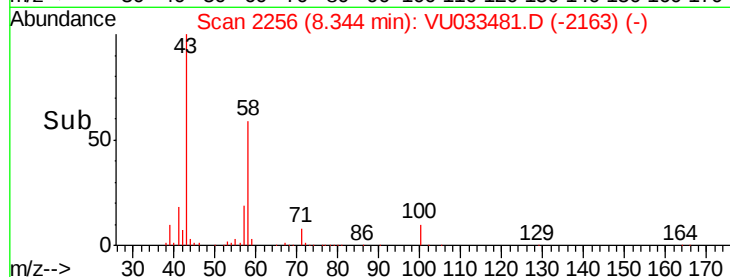
#48
2-Hexanone
Concen: 104.640 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU033481.D
Acq: 30 Jul 2019 09:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

Tgt Ion:	43	Resp:	259796
Ion	Ratio	Lower	Upper
43	100		
58	58.7	46.6	69.8
57	19.8	16.0	24.0
100	12.2	9.5	14.3

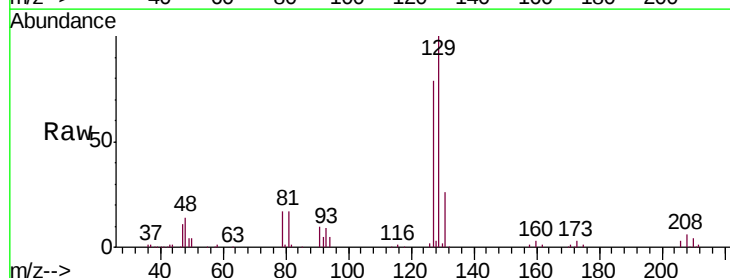


Abundance Ion 43.00 (42.70 to 43.70): VU033481.D (-2163) (-)
Ion 58.00 (57.70 to 58.70): VU033481.D (-2163) (-)
Ion 57.00 (56.70 to 57.70): VU033481.D (-2163) (-)
Ion 100.00 (99.70 to 100.70): VU033481.D (-2163) (-)

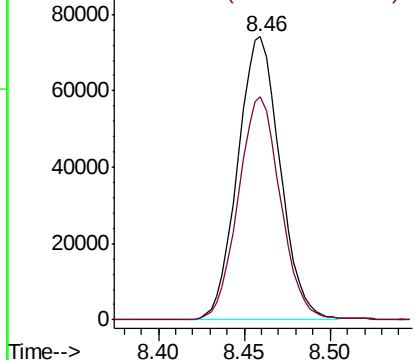
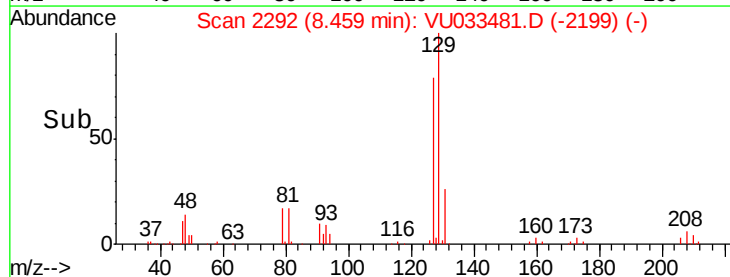


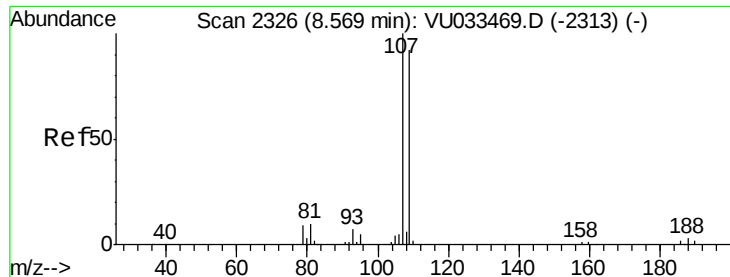
#49
Dibromochloromethane
Concen: 51.386 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU033481.D
Acq: 30 Jul 2019 09:15

Tgt Ion:	129	Resp:	126896
Ion	Ratio	Lower	Upper
129	100		
127	78.9	54.5	101.1



Abundance Ion 129.00 (128.70 to 129.70): VU033481.D (-2199) (-)
Ion 127.00 (126.70 to 127.70): VU033481.D (-2199) (-)

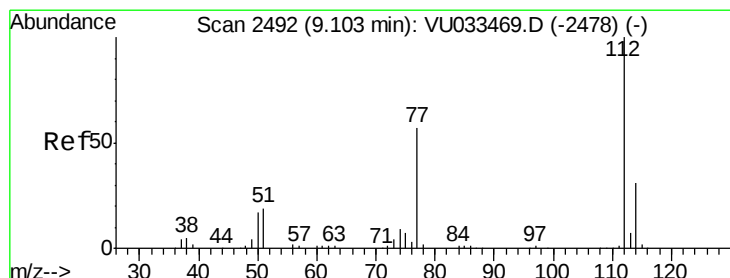
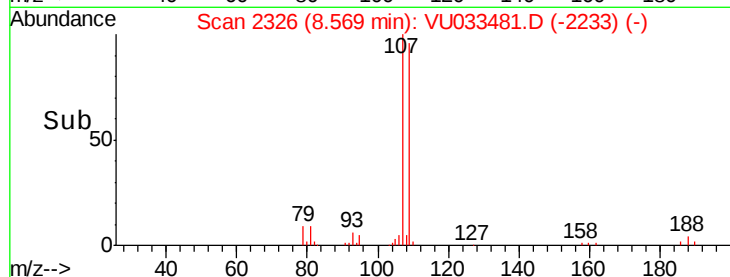
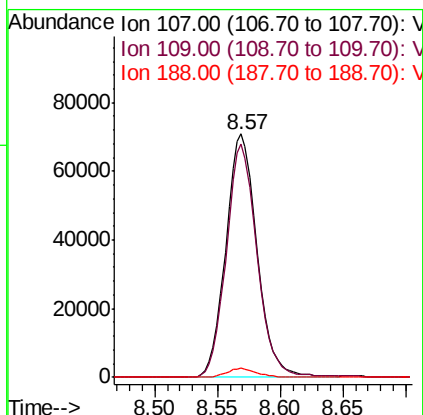
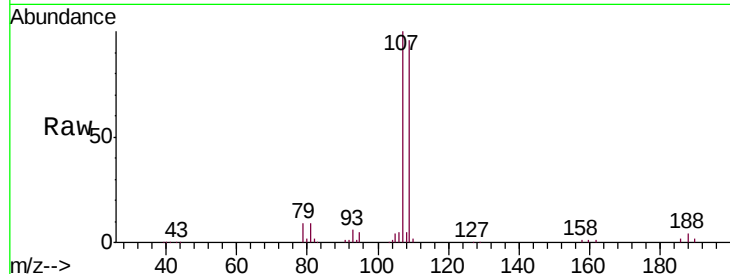




#50
1,2-Dibromoethane
Concen: 51.172 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VU033481.D
Acq: 30 Jul 2019 09:15

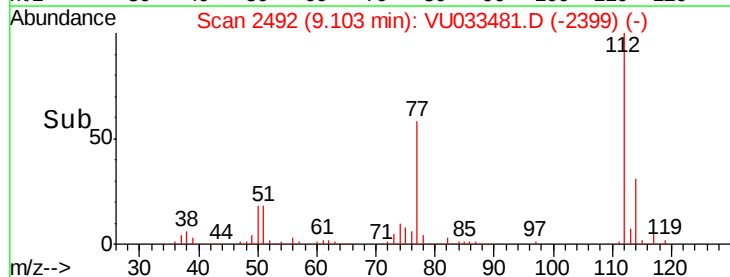
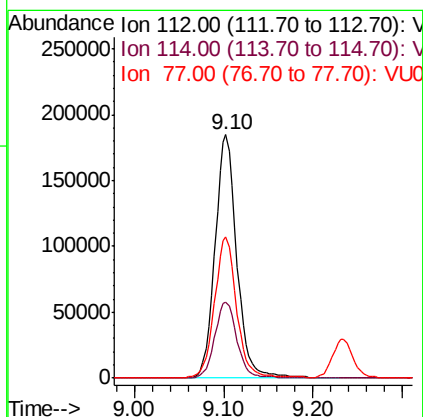
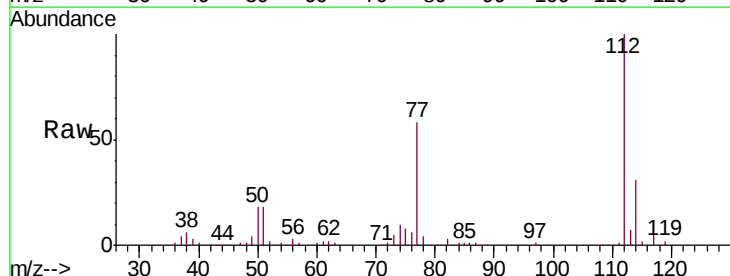
Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

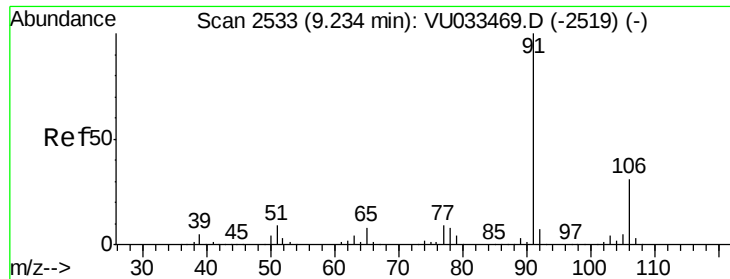
Tgt Ion:107 Resp: 122436
Ion Ratio Lower Upper
107 100
109 95.9 64.7 120.1
188 3.6 2.8 4.2



#51
Chlorobenzene
Concen: 50.726 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. -0.00 min
Lab File: VU033481.D
Acq: 30 Jul 2019 09:15

Tgt Ion:112 Resp: 311849
Ion Ratio Lower Upper
112 100
114 31.2 21.9 40.7
77 57.8 46.1 69.1





#52

Ethylbenzene

Concen: 52.112 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. -0.00 min

Lab File: VU033481.D

Acq: 30 Jul 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

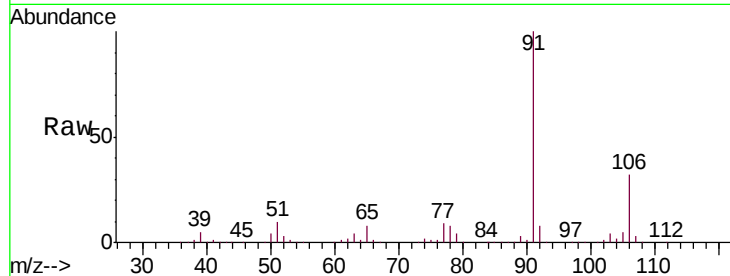
VSTD05038

Tgt Ion: 91 Resp: 522685

Ion Ratio Lower Upper

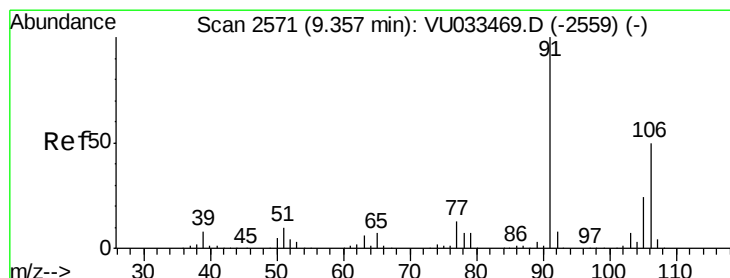
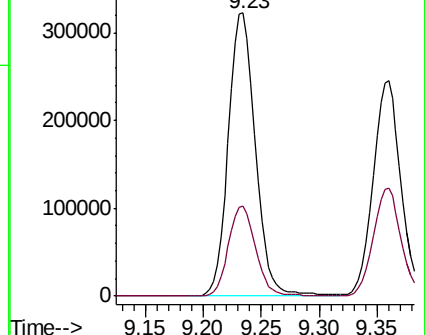
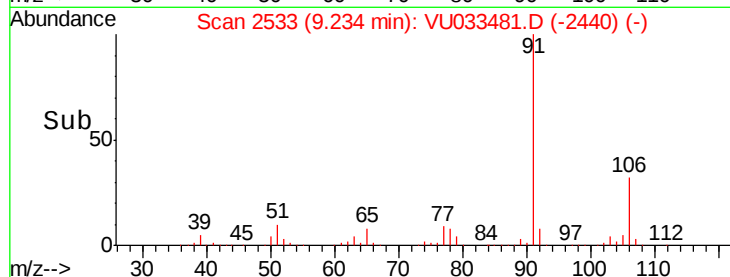
91 100

106 31.8 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU033469.D (-2519) (-)

Ion 106.00 (105.70 to 106.70): VU033481.D (-2440) (-)



#53

m,p-Xylene

Concen: 54.249 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033481.D

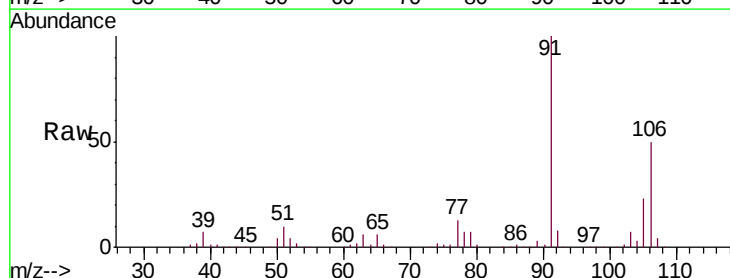
Acq: 30 Jul 2019 09:15

Tgt Ion: 106 Resp: 204613

Ion Ratio Lower Upper

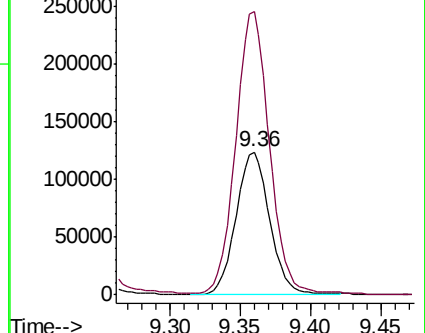
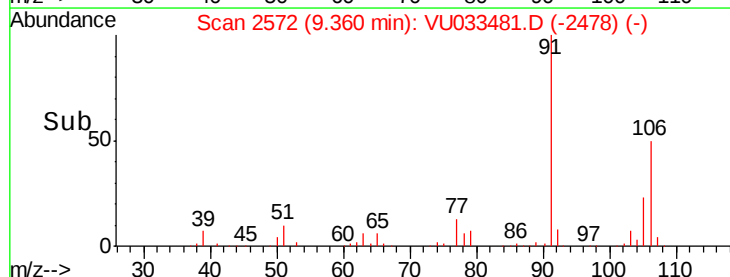
106 100

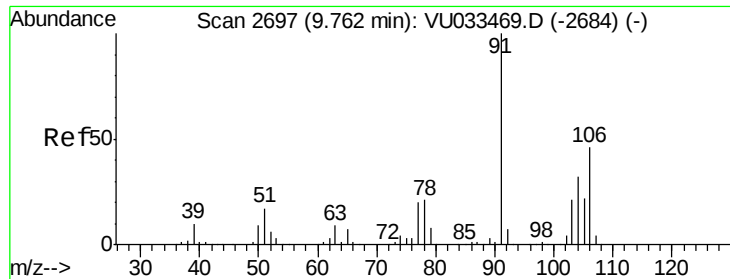
91 198.5 140.7 261.3



Abundance Ion 106.00 (105.70 to 106.70): VU033481.D (-2478) (-)

Ion 91.00 (90.70 to 91.70): VU033469.D (-2559) (-)

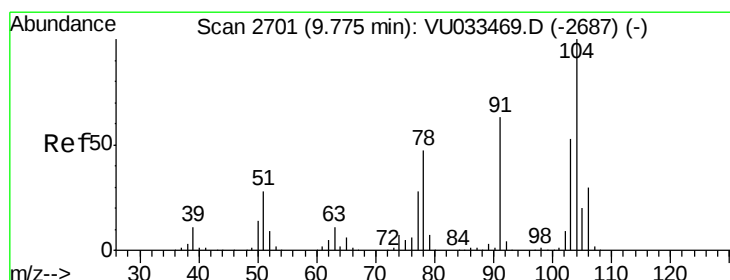
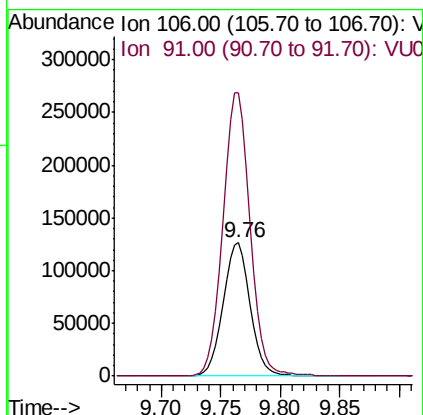
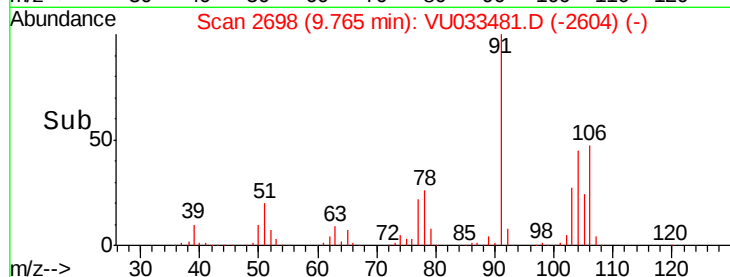
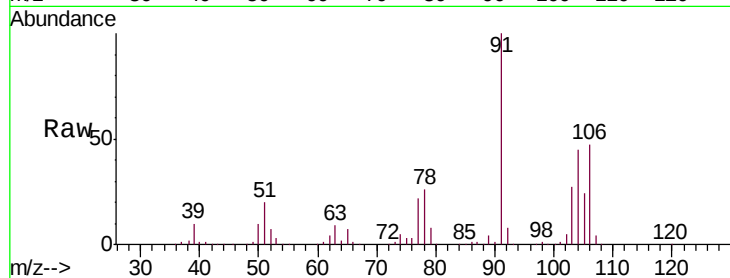




#54
o-xylene
Concen: 53.822 ug/L
RT: 9.76 min Scan# 2698
Delta R.T. 0.00 min
Lab File: VU033481.D
Acq: 30 Jul 2019 09:15

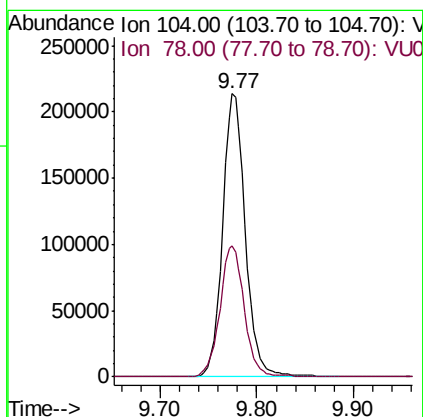
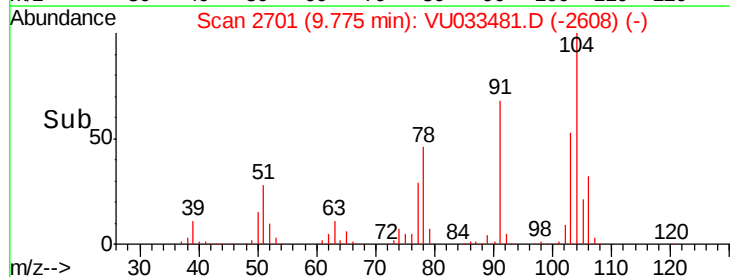
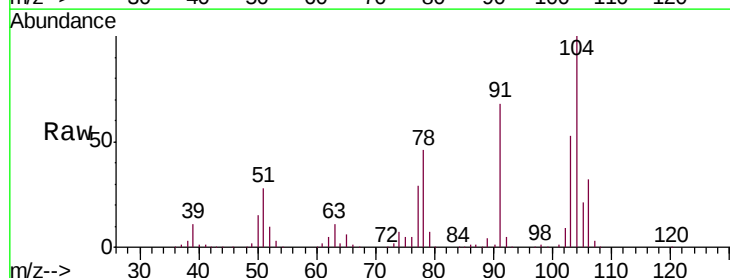
Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

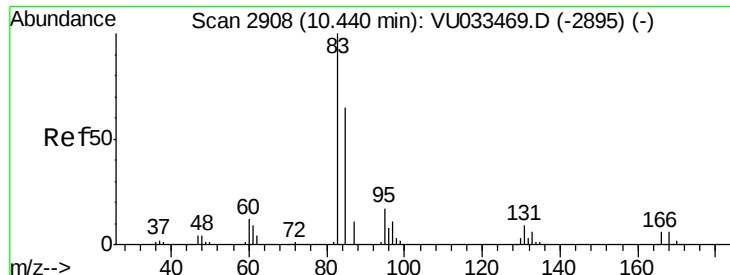
Tgt Ion:106 Resp: 199040
Ion Ratio Lower Upper
106 100
91 212.3 151.1 280.7



#55
Styrene
Concen: 55.396 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU033481.D
Acq: 30 Jul 2019 09:15

Tgt Ion:104 Resp: 347640
Ion Ratio Lower Upper
104 100
78 46.4 32.6 60.5





#57

1,1,2,2-Tetrachloroethane

Concen: 51.174 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033481.D

Acq: 30 Jul 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

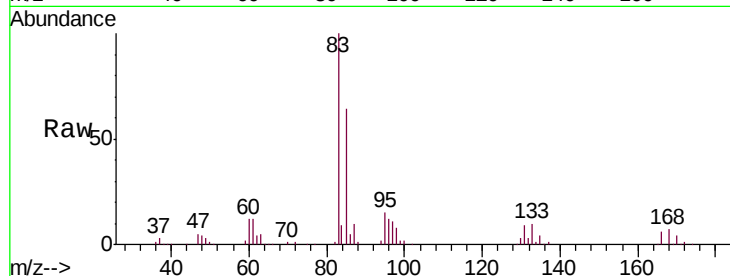
Tgt Ion: 83 Resp: 200648

Ion Ratio Lower Upper

83 100

85 64.2 45.9 85.3

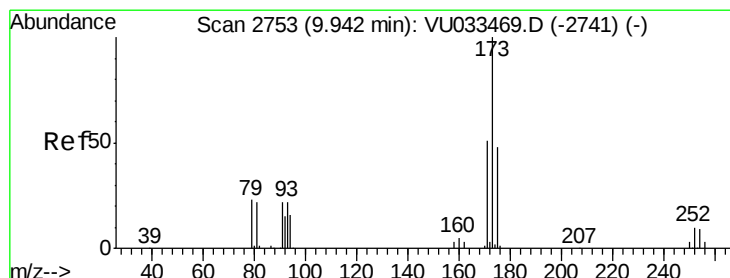
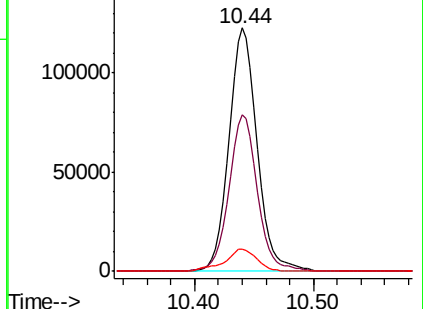
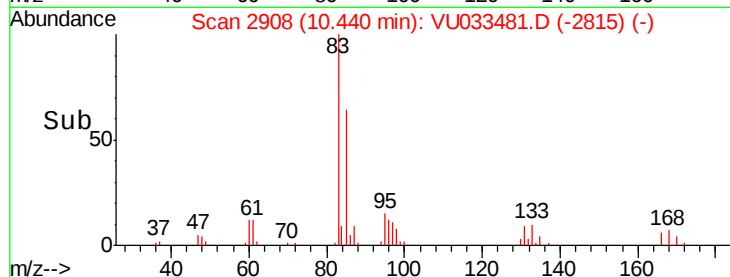
131 9.3 7.8 11.8



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: 49.126 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU033481.D

Acq: 30 Jul 2019 09:15

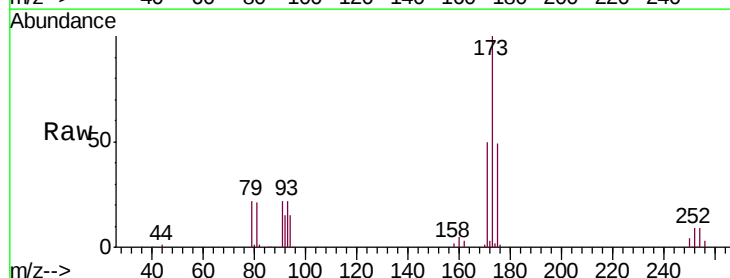
Tgt Ion: 173 Resp: 94891

Ion Ratio Lower Upper

173 100

175 48.7 38.1 57.1

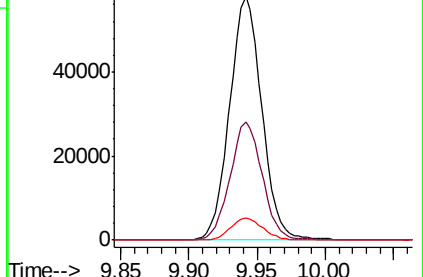
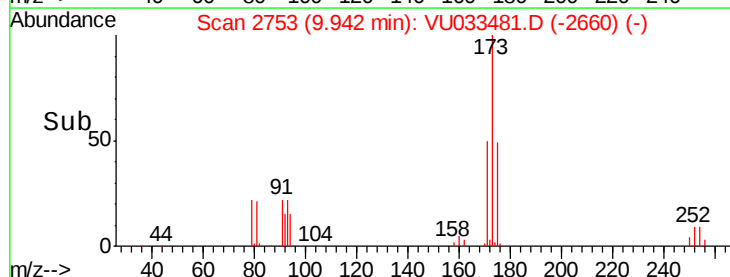
254 9.1 7.3 10.9

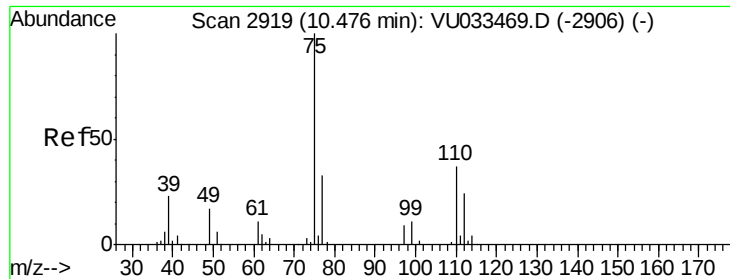


Abundance Ion 173.00 (172.70 to 173.70): VU033469.D (-2741) (-)

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

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

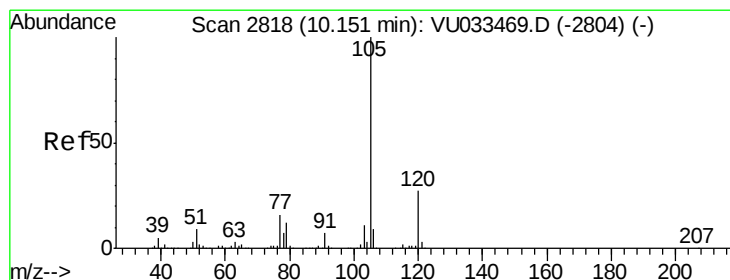
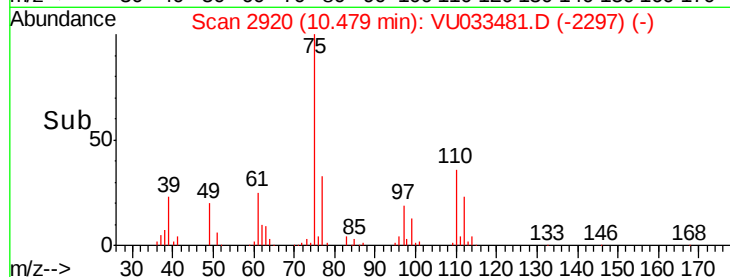
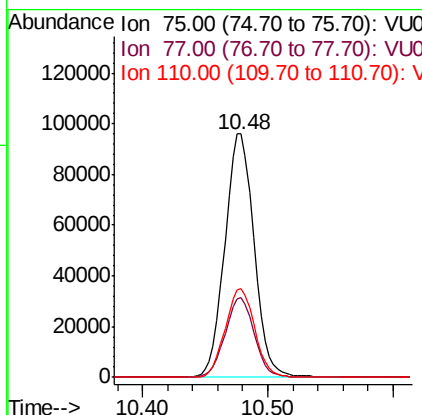
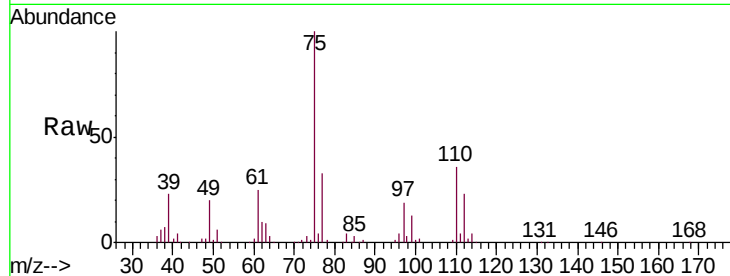




#60
1,2,3-Trichloropropane
Concen: 49.388 ug/L
RT: 10.48 min Scan# 2920
Delta R.T. 0.00 min
Lab File: VU033481.D
Acq: 30 Jul 2019 09:15

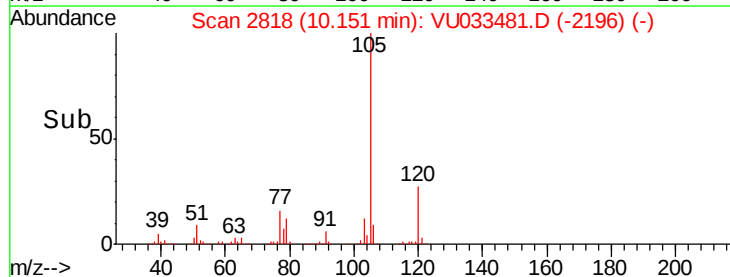
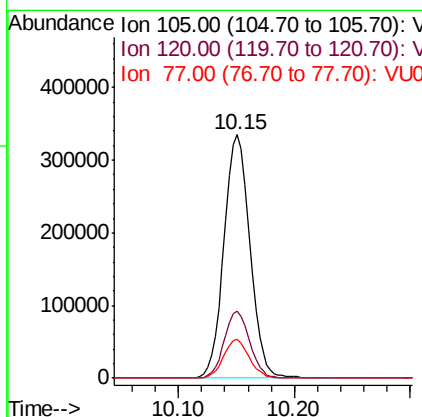
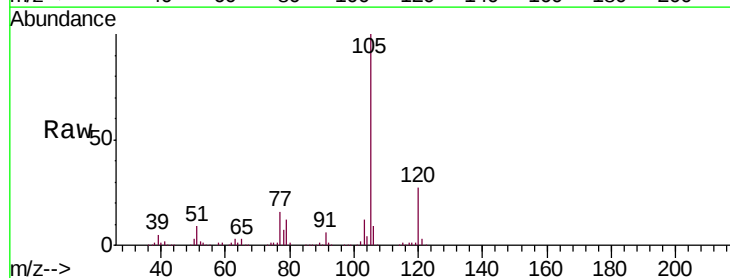
Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

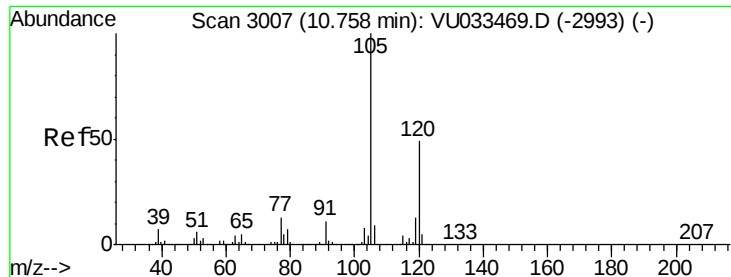
Tgt Ion: 75 Resp: 155367
Ion Ratio Lower Upper
75 100
77 32.6 25.9 38.9
110 36.7 30.2 45.4



#61
Isopropylbenzene
Concen: 52.319 ug/L
RT: 10.15 min Scan# 2818
Delta R.T. -0.00 min
Lab File: VU033481.D
Acq: 30 Jul 2019 09:15

Tgt Ion: 105 Resp: 517454
Ion Ratio Lower Upper
105 100
120 26.8 21.7 32.5
77 15.7 12.6 19.0





#62

1,3,5-Trimethylbenzene

Concen: 54.680 ug/L

RT: 10.76 min Scan# 3007

Delta R.T. -0.00 min

Lab File: VU033481.D

Acq: 30 Jul 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

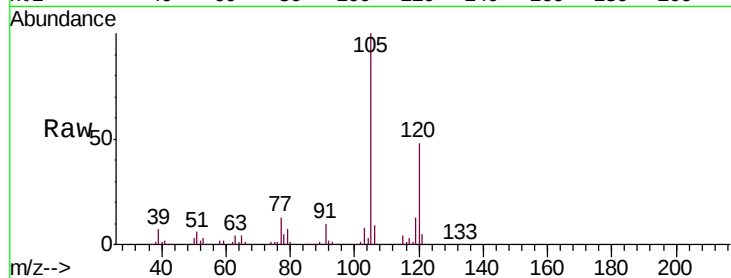
VSTD05038

Tgt Ion:105 Resp: 438202

Ion Ratio Lower Upper

105 100

120 48.1 39.0 58.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.76

300000

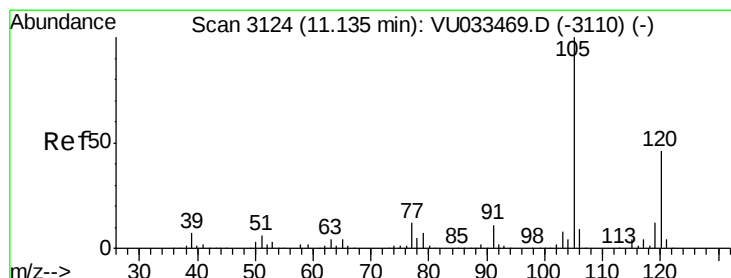
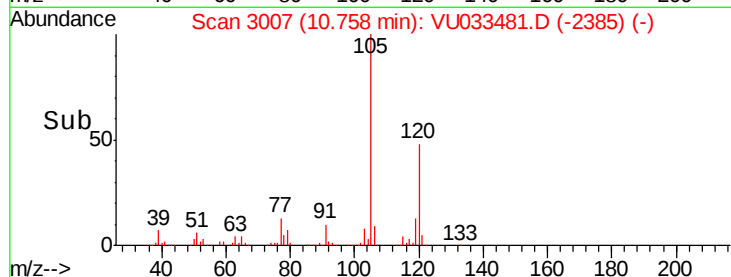
200000

100000

0

Time-->

10.70 10.80



#63

1,2,4-Trimethylbenzene

Concen: 54.714 ug/L

RT: 11.13 min Scan# 3124

Delta R.T. -0.00 min

Lab File: VU033481.D

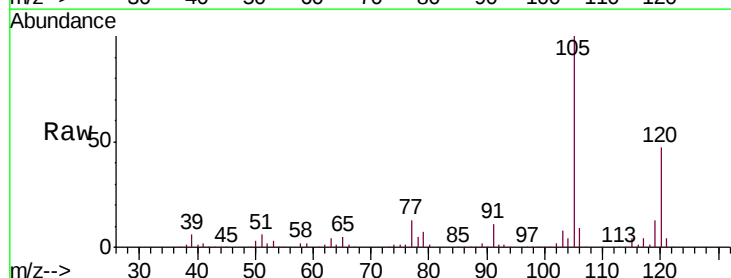
Acq: 30 Jul 2019 09:15

Tgt Ion:105 Resp: 434853

Ion Ratio Lower Upper

105 100

120 46.0 36.6 55.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.13

300000

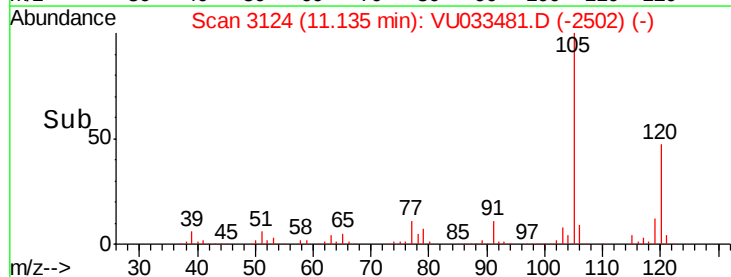
200000

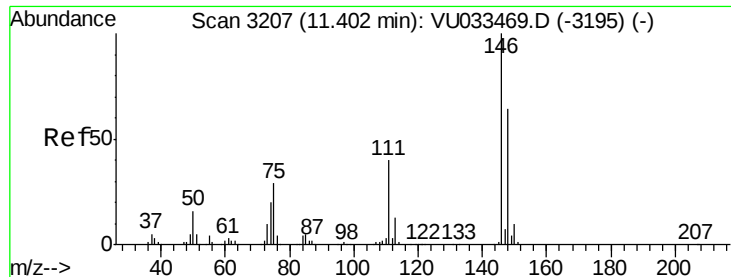
100000

0

Time-->

11.05 11.10 11.15 11.20





#64

1,3-Dichlorobenzene

Concen: 49.791 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU033481.D

Acq: 30 Jul 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

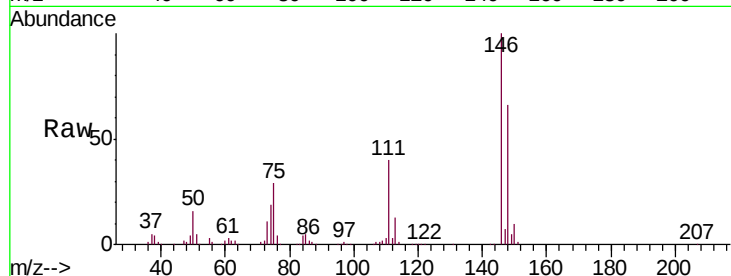
Tgt Ion:146 Resp: 251014

Ion Ratio Lower Upper

146 100

111 40.4 28.2 52.4

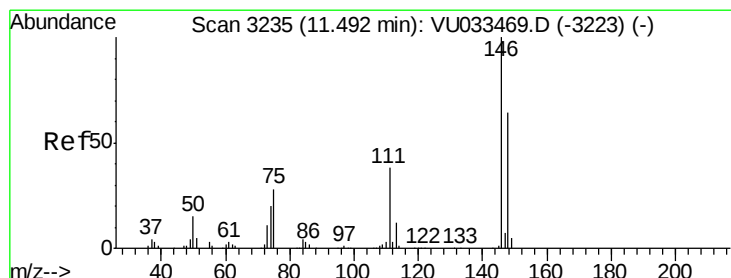
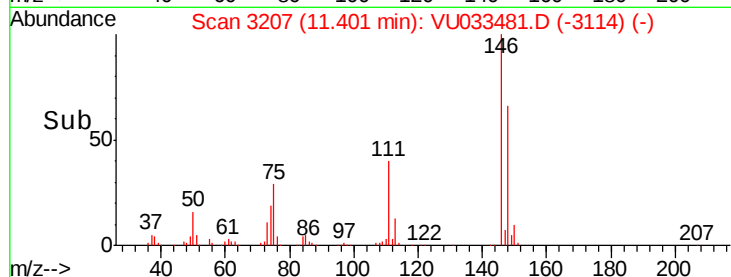
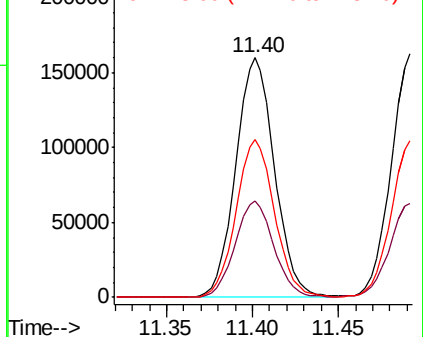
148 65.9 44.4 82.5



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

1,4-Dichlorobenzene

Concen: 48.852 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU033481.D

Acq: 30 Jul 2019 09:15

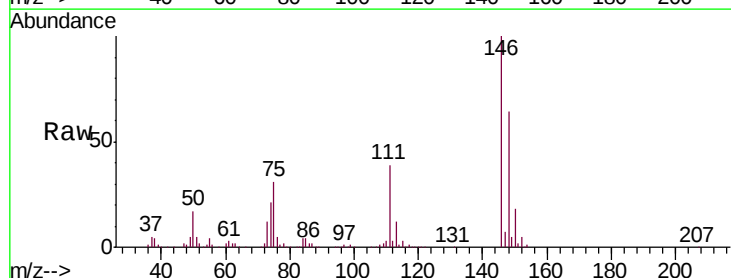
Tgt Ion:146 Resp: 254426

Ion Ratio Lower Upper

146 100

111 38.7 27.0 50.2

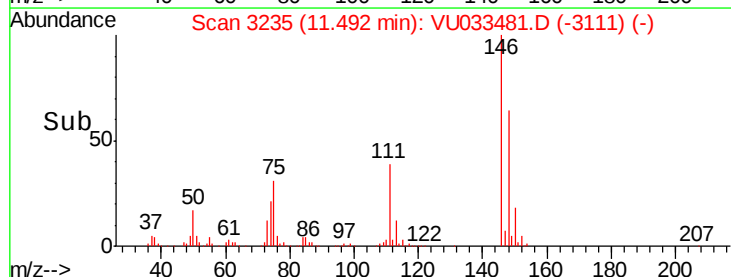
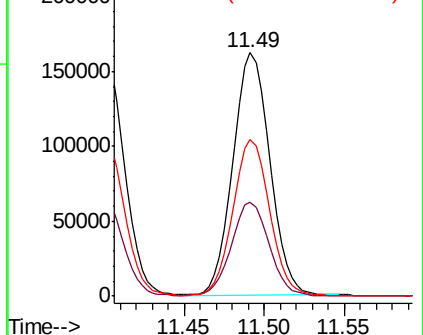
148 64.3 44.7 82.9

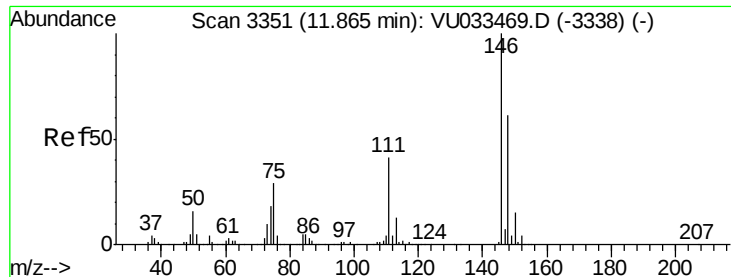


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dichlorobenzene

Concen: 50.051 ug/L

RT: 11.86 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VU033481.D

Acq: 30 Jul 2019 09:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

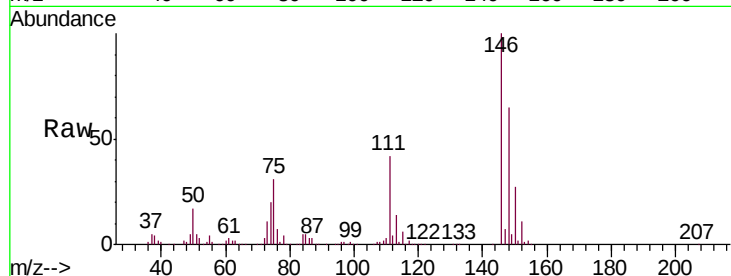
Tgt Ion:146 Resp: 252808

Ion Ratio Lower Upper

146 100

111 41.9 32.8 49.2

148 64.9 49.2 73.8

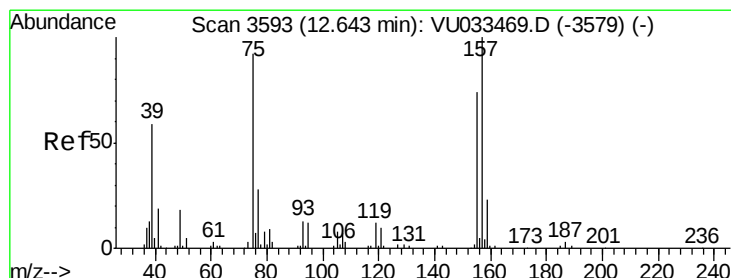
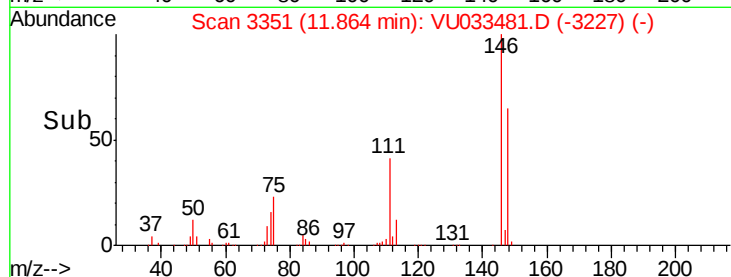
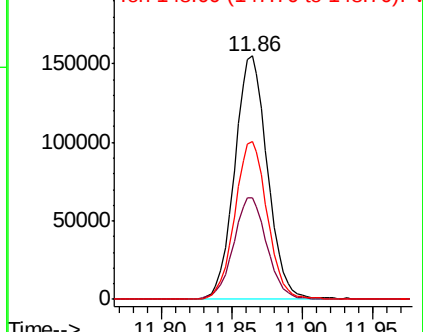


Abundance

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



#68

1,2-Dibromo-3-chloropropane

Concen: 49.026 ug/L

RT: 12.64 min Scan# 3593

Delta R.T. -0.00 min

Lab File: VU033481.D

Acq: 30 Jul 2019 09:15

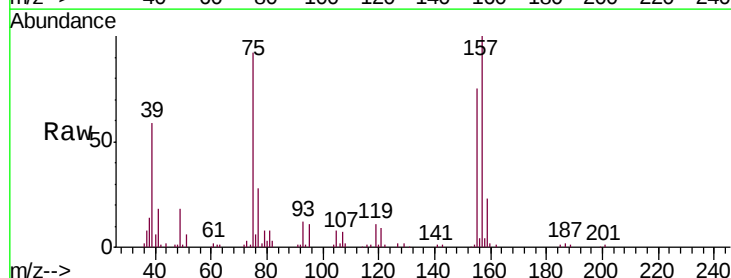
Tgt Ion: 75 Resp: 42879

Ion Ratio Lower Upper

75 100

155 82.3 64.8 97.2

157 109.1 87.1 130.7

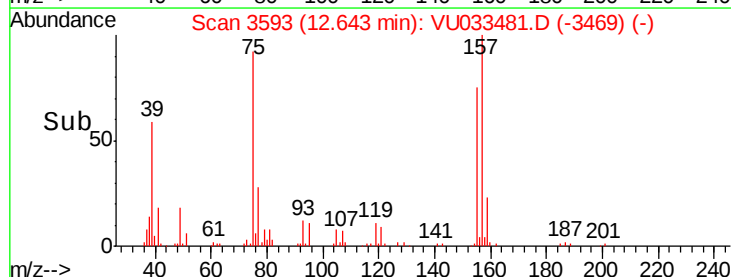
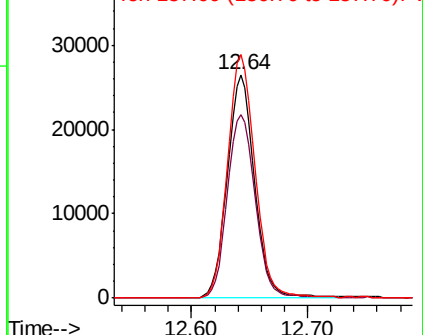


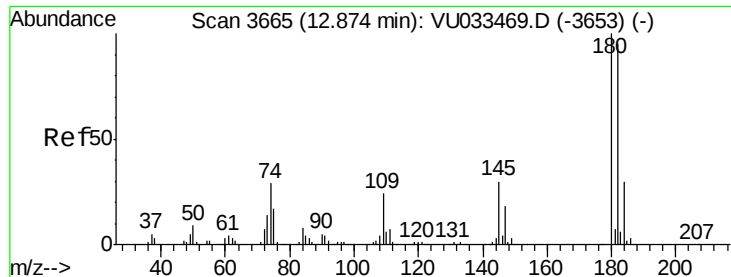
Abundance

Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

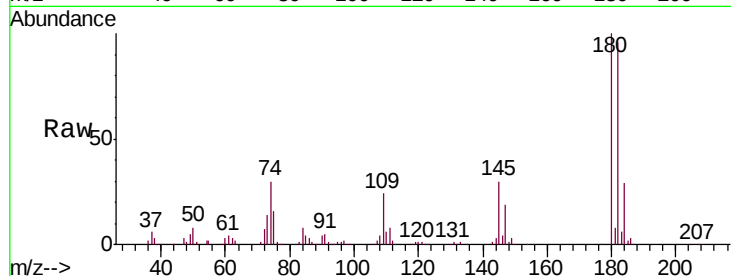




#69
 1,3,5-Trichlorobenzene
 Concen: 49.836 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. -0.00 min
 Lab File: VU033481.D
 Acq: 30 Jul 2019 09:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.2	114.4
184	29.9	24.1	36.1
145	29.6	23.7	35.5



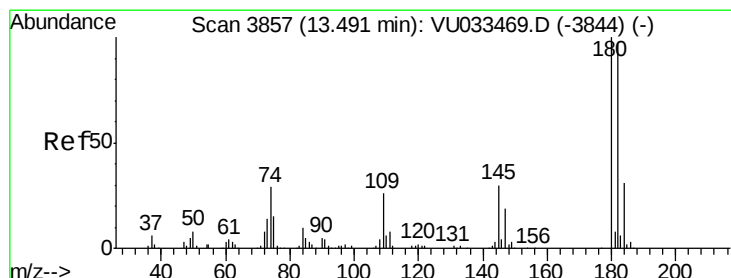
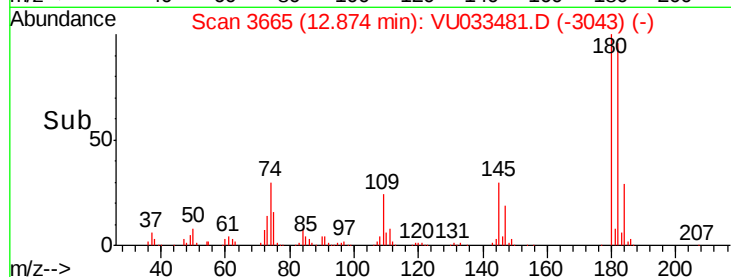
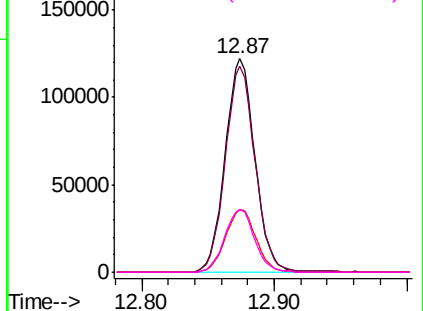
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

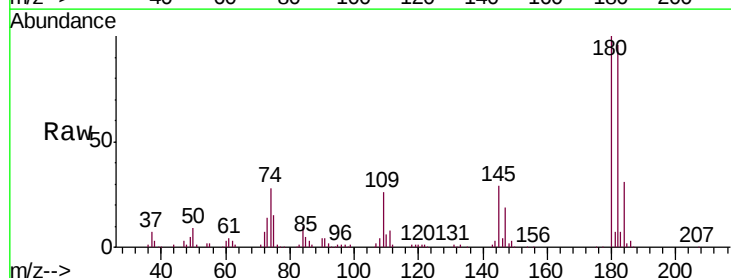
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 49.763 ug/L
 RT: 13.49 min Scan# 3857
 Delta R.T. -0.00 min
 Lab File: VU033481.D
 Acq: 30 Jul 2019 09:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.5	116.3
145	29.9	23.9	35.9

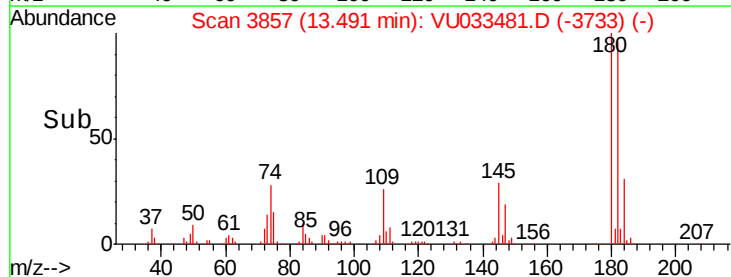
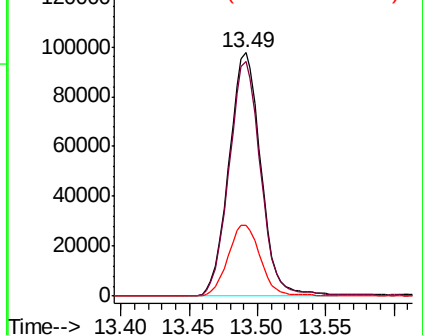


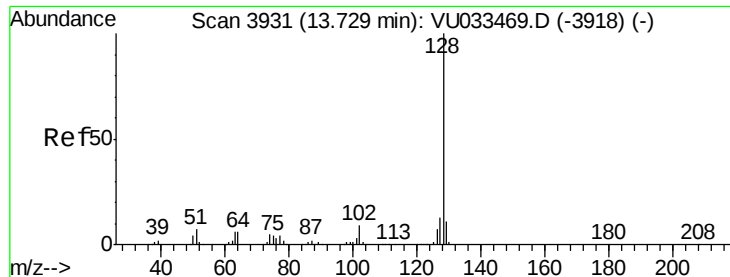
Abundance

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

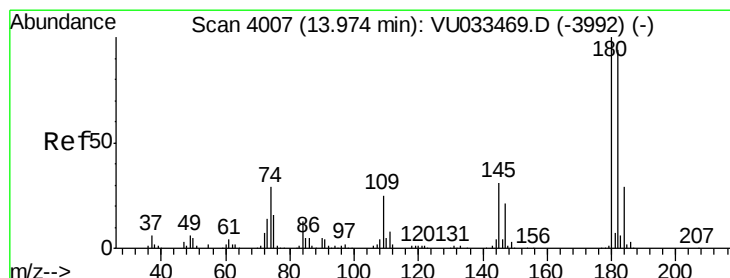
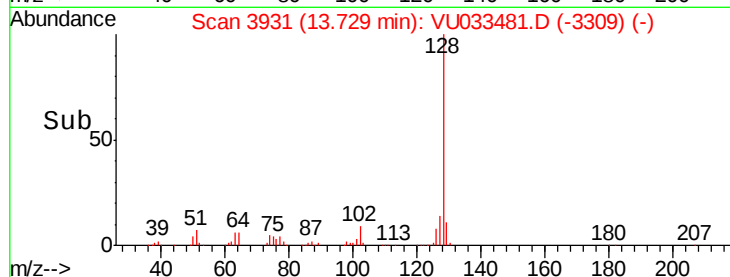
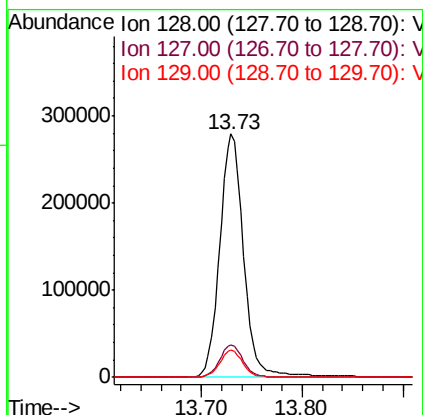
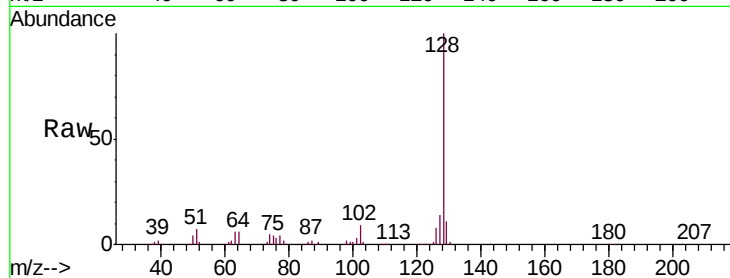




#71
Naphthalene
Concen: 50.108 ug/L
RT: 13.73 min Scan# 3931
Delta R.T. -0.00 min
Lab File: VU033481.D
Acq: 30 Jul 2019 09:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

Tgt Ion:128 Resp: 462889
Ion Ratio Lower Upper
128 100
127 13.4 10.8 16.2
129 10.8 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 50.403 ug/L
RT: 13.97 min Scan# 4007
Delta R.T. -0.00 min
Lab File: VU033481.D
Acq: 30 Jul 2019 09:15

Tgt Ion:180 Resp: 168674
Ion Ratio Lower Upper
180 100
182 94.1 76.4 114.6
145 31.3 24.9 37.3

