

Data File : VU033472.D
Acq On : 29 Jul 2019 13:42
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV32

Quant Time: Jul 30 04:15:29 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	337097	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	335565	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	176647	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	144703	47.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.56%
7) Chloroethane-d5	1.66	69	118731	46.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.90%
11) 1,1-Dichloroethene-d2	2.25	63	257553	46.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.02%
21) 2-Butanone-d5	4.15	46	171395	97.72	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.72%
24) Chloroform-d	4.62	84	220907	48.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.44%
26) 1,2-Dichloroethane-d4	5.28	65	136508	46.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.38%
32) Benzene-d6	5.32	84	442722	49.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.30%
36) 1,2-Dichloropropane-d6	6.31	67	136784	48.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.90%
41) Toluene-d8	7.55	98	420373	49.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.28%
43) trans-1,3-Dichloropropene-	7.83	79	68179	49.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.86%
47) 2-Hexanone-d5	8.29	63	123747	106.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.62%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	208586	48.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.28%
66) 1,2-Dichlorobenzene-d4	11.84	152	171113	50.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.82%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	148789	44.238 ug/L	99
3) Chloromethane	1.32	50	145934	43.459 ug/L	100
5) Vinyl chloride	1.39	62	170331	44.356 ug/L	100
6) Bromomethane	1.60	94	107561	40.076 ug/L	99
8) Chloroethane	1.68	64	105197	44.658 ug/L	99
9) Trichlorofluoromethane	1.87	101	225241	44.719 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	112206	44.332 ug/L	99
12) 1,1-Dichloroethene	2.26	96	116141	47.092 ug/L	95
13) Acetone	2.31	43	141836	81.595 ug/L	99
14) Carbon disulfide	2.46	76	352992	48.040 ug/L	100
15) Methyl Acetate	2.60	43	129303	46.383 ug/L	100
16) Methylene chloride	2.68	84	127081	46.902 ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	117065	47.787 ug/L	97
18) Methyl tert-butyl Ether	2.98	73	348266	48.177 ug/L	99
19) 1,1-Dichloroethane	3.42	63	214335	46.470 ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	130227	48.165 ug/L	99
22) 2-Butanone	4.23	43	201620	97.616 ug/L	98

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	67865	47.259	ug/L	97
25) Chloroform	4.65	83	225793	46.172	ug/L	99
27) 1,2-Dichloroethane	5.38	62	174717	46.007	ug/L	98
29) Cyclohexane	4.97	56	189531	51.410	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	193298	48.379	ug/L	99
31) Carbon tetrachloride	5.11	117	172828	48.593	ug/L	100
33) Benzene	5.36	78	487015	48.556	ug/L	100
34) Trichloroethene	6.16	95	127968	48.970	ug/L	98
35) Methylcyclohexane	6.39	83	196322	49.407	ug/L	98
37) 1,2-Dichloropropane	6.41	63	130767	48.476	ug/L	99
38) Bromodichloromethane	6.74	83	168347	47.407	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	203756	50.654	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	365430	102.792	ug/L	99
42) Toluene	7.62	91	540325	50.060	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	187841	51.449	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	123253	47.906	ug/L	98
46) Tetrachloroethene	8.21	164	105245	49.490	ug/L	98
48) 2-Hexanone	8.34	43	298238	102.975	ug/L	99
49) Dibromochloromethane	8.46	129	141243	49.031	ug/L	98
50) 1,2-Dibromoethane	8.57	107	136690	48.974	ug/L	98
51) Chlorobenzene	9.10	112	352803	49.195	ug/L	99
52) Ethylbenzene	9.23	91	585678	50.056	ug/L	99
53) m,p-Xylene	9.36	106	228399	51.910	ug/L	98
54) o-xylene	9.76	106	219276	50.829	ug/L	98
55) Styrene	9.77	104	385840	52.706	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.44	83	219800	48.056	ug/L	99
59) Bromoform	9.94	173	107049	48.445	ug/L	98
60) 1,2,3-Trichloropropane	10.48	75	175952	48.891	ug/L	99
61) Isopropylbenzene	10.15	105	575836	50.893	ug/L	99
62) 1,3,5-Trimethylbenzene	10.76	105	504742	55.056	ug/L	100
63) 1,2,4-Trimethylbenzene	11.13	105	513117	56.435	ug/L	99
64) 1,3-Dichlorobenzene	11.40	146	284626	49.352	ug/L	99
65) 1,4-Dichlorobenzene	11.49	146	288955	48.499	ug/L	99
67) 1,2-Dichlorobenzene	11.86	146	283779	49.111	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.64	75	49791	49.763	ug/L	98
69) 1,3,5-Trichlorobenzene	12.87	180	212144	48.446	ug/L	99
70) 1,2,4-trichlorobenzene	13.49	180	191270	52.334	ug/L	99
71) Naphthalene	13.73	128	614573	58.154	ug/L	100
72) 1,2,3-Trichlorobenzene	13.97	180	201243	52.566	ug/L	100

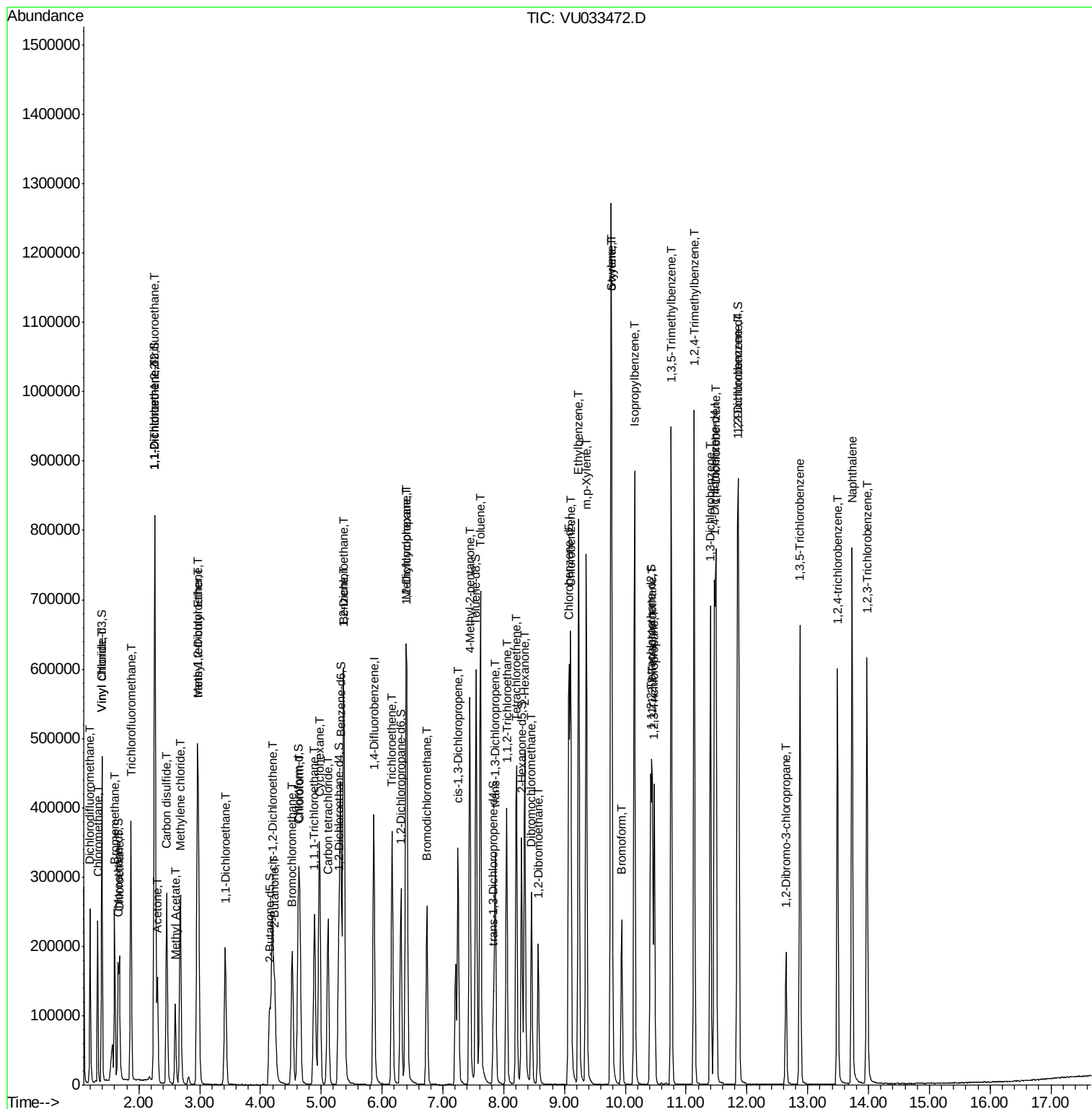
(#) = qualifier out of range (m) = manual integration (+) = signals summed

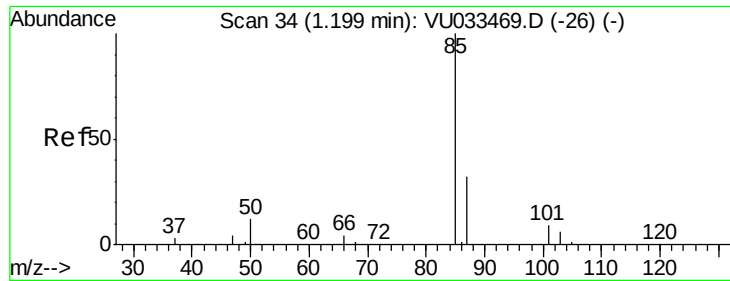
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#2

Dichlorodifluoromethane

Concen: 44.238 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033472.D

Acq: 29 Jul 2019 13:42

Instrument :

MSVOA_U

ClientSampleId :

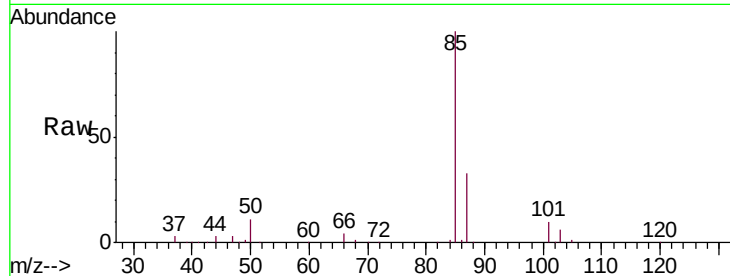
VICV32

Tgt Ion: 85 Resp: 148789

Ion Ratio Lower Upper

85 100

87 32.9 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

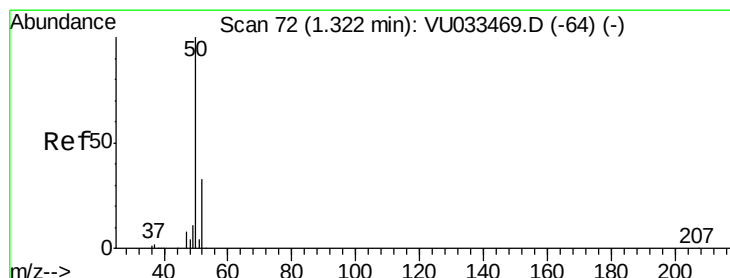
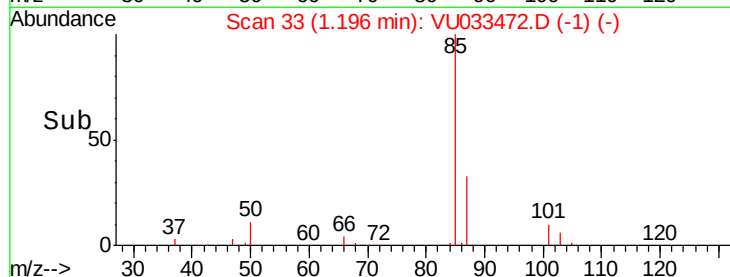
100000

50000

0

1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 43.459 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033472.D

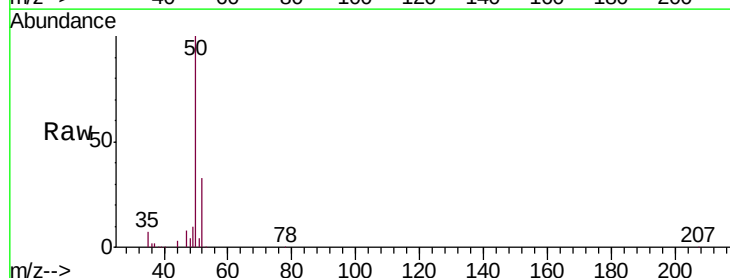
Acq: 29 Jul 2019 13:42

Tgt Ion: 50 Resp: 145934

Ion Ratio Lower Upper

50 100

52 33.1 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

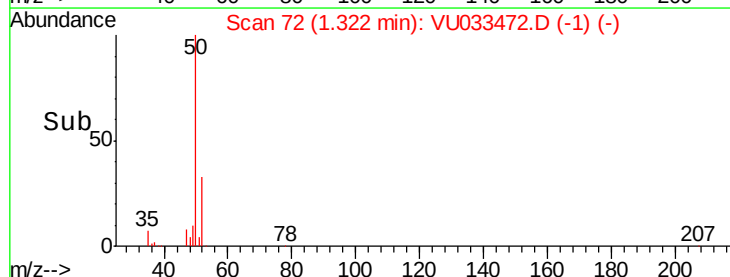
100000

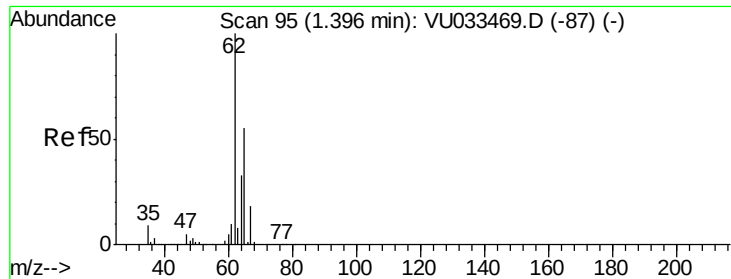
50000

0

1.30 1.35

Time-->





#5

Vinyl chloride

Concen: 44.356 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033472.D

Acq: 29 Jul 2019 13:42

Instrument :

MSVOA_U

ClientSampleId :

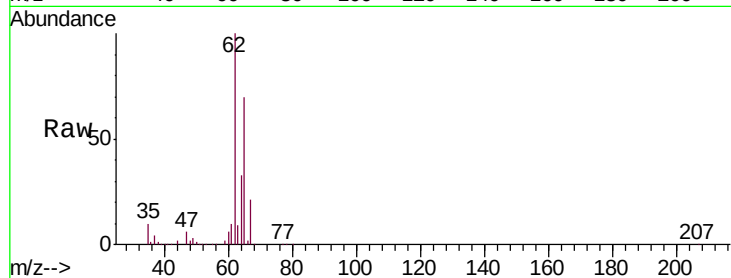
VICV32

Tgt Ion: 62 Resp: 170331

Ion Ratio Lower Upper

62 100

64 33.0 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU033469.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU033469.D (-87) (-)

1.39

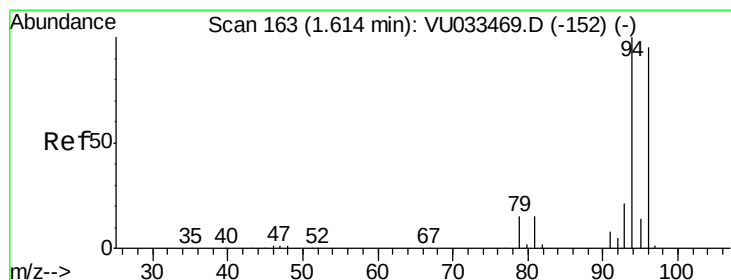
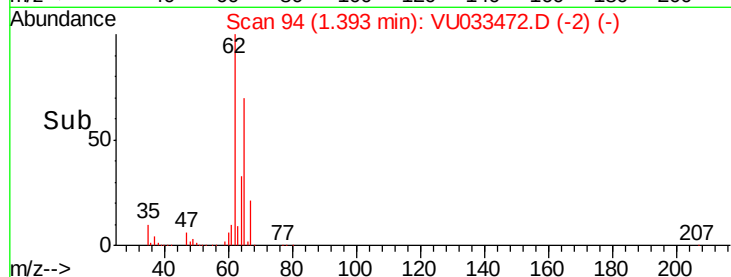
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 40.076 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU033472.D

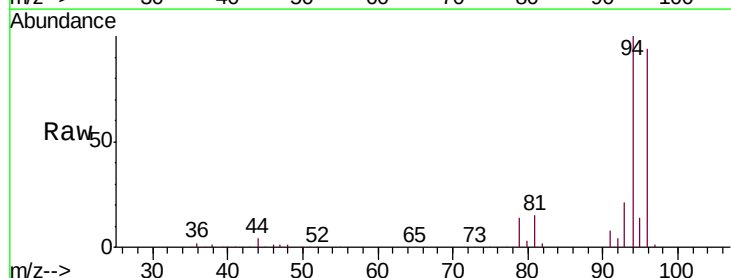
Acq: 29 Jul 2019 13:42

Tgt Ion: 94 Resp: 107561

Ion Ratio Lower Upper

94 100

96 94.0 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VU033469.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU033469.D (-152) (-)

1.60

100000

80000

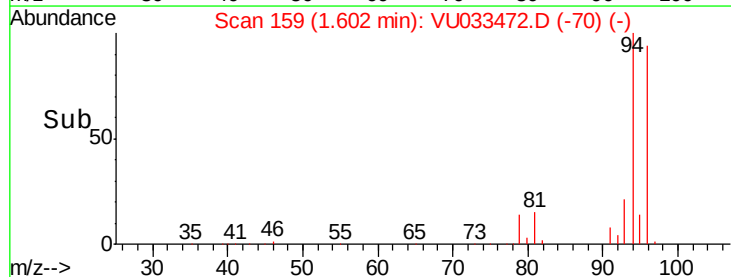
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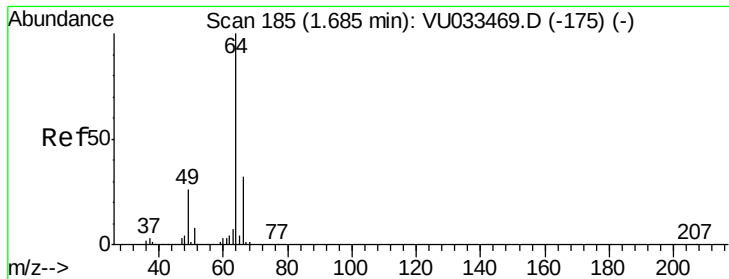
40000

20000

0

Time-->





#8

Chloroethane

Concen: 44.658 ug/L

RT: 1.68 min Scan# 183

Delta R.T. -0.01 min

Lab File: VU033472.D

Acq: 29 Jul 2019 13:42

Instrument :

MSVOA_U

ClientSampleId :

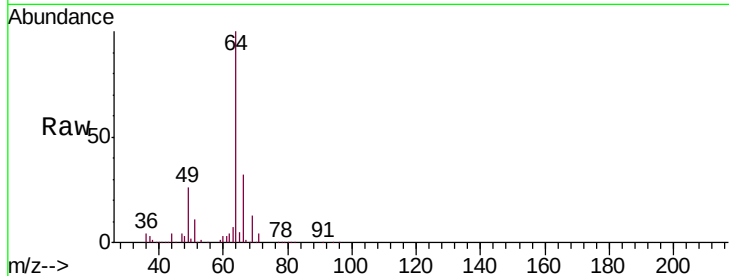
VICV32

Tgt Ion: 64 Resp: 105197

Ion Ratio Lower Upper

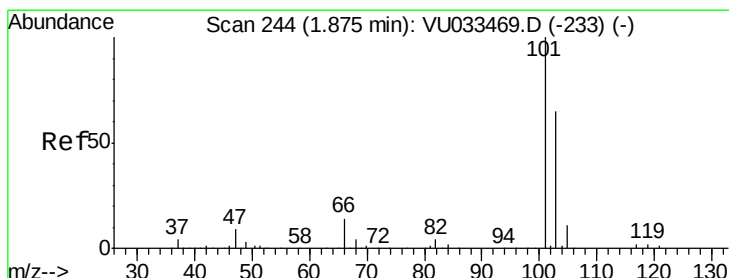
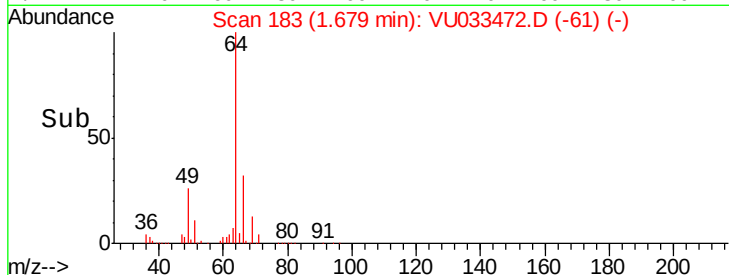
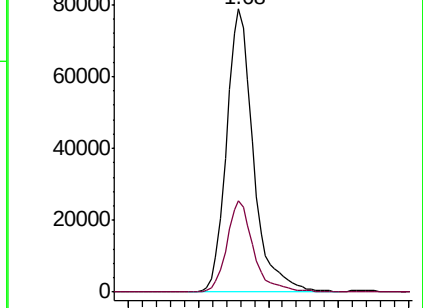
64 100

66 32.2 22.1 41.1



Abundance Ion 64.00 (63.70 to 64.70): VU033469.D

Ion 66.00 (65.70 to 66.70): VU033469.D



#9

Trichlorofluoromethane

Concen: 44.719 ug/L

RT: 1.87 min Scan# 242

Delta R.T. -0.01 min

Lab File: VU033472.D

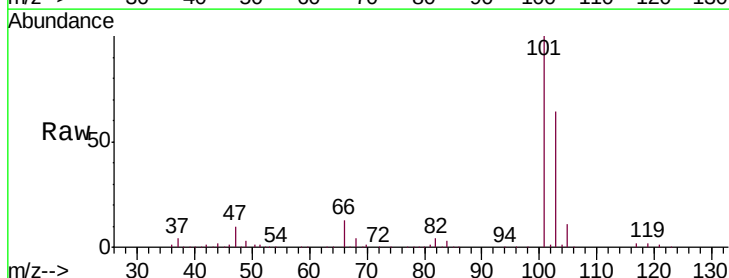
Acq: 29 Jul 2019 13:42

Tgt Ion: 101 Resp: 225241

Ion Ratio Lower Upper

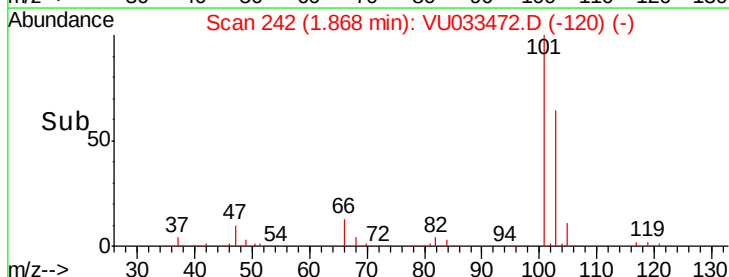
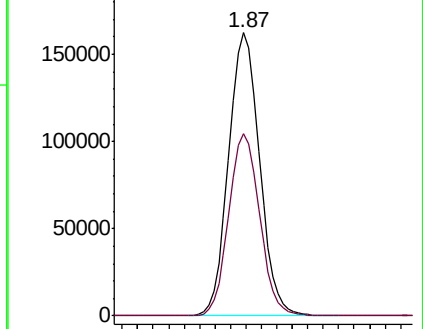
101 100

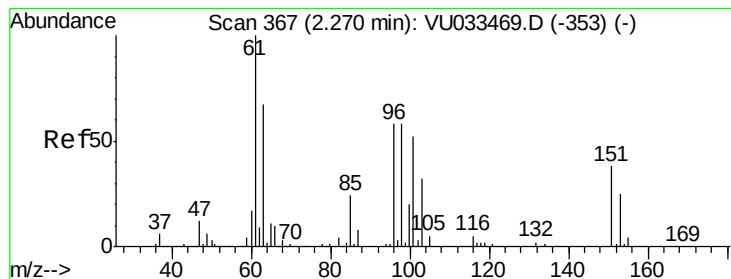
103 64.1 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU033469.D

Ion 103.00 (102.70 to 103.70): VU033469.D





#10

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

Concen: 44.332 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033472.D

Acq: 29 Jul 2019 13:42

Instrument :

MSVOA_U

ClientSampled :

VICV32

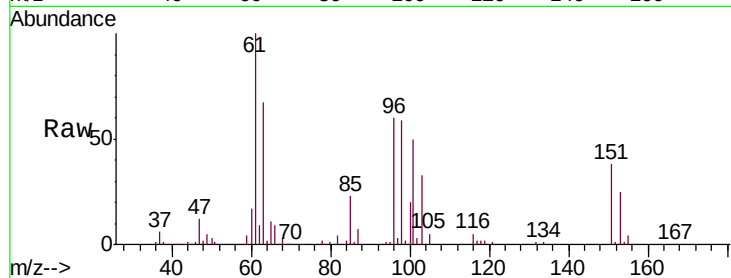
Tgt Ion: 101 Resp: 112206

Ion Ratio Lower Upper

101 100

85 44.7 35.8 53.8

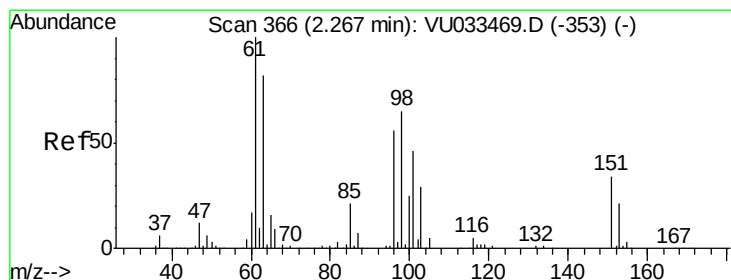
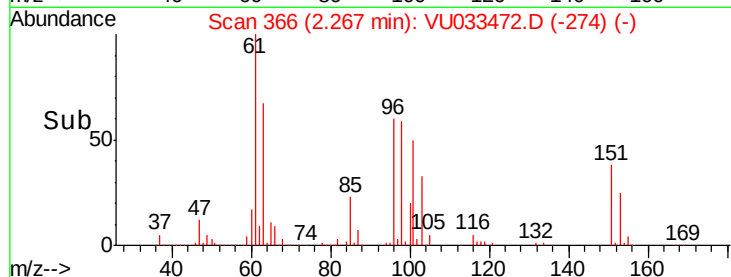
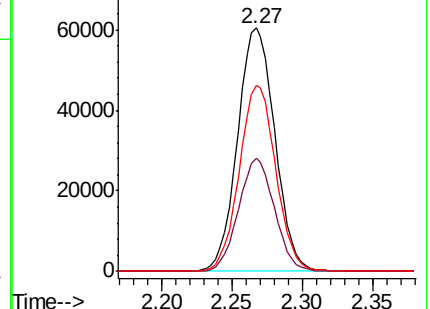
151 75.0 58.6 87.8



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: 47.092 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.00 min

Lab File: VU033472.D

Acq: 29 Jul 2019 13:42

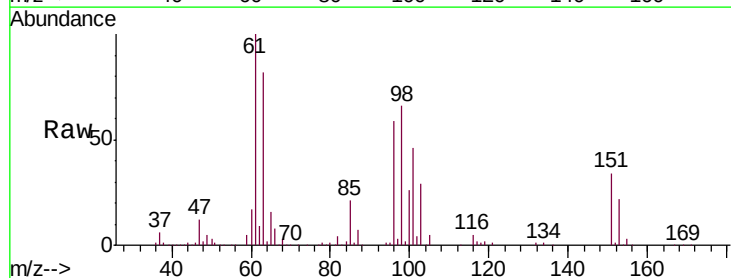
Tgt Ion: 96 Resp: 116141

Ion Ratio Lower Upper

96 100

61 170.8 124.1 230.5

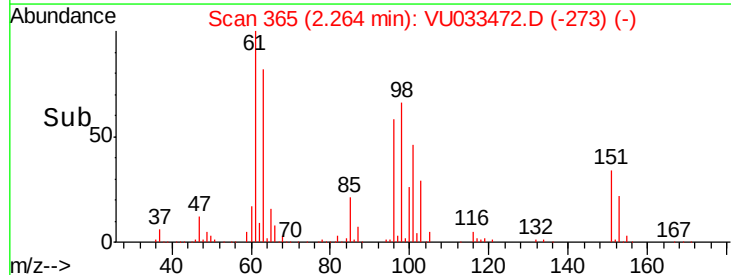
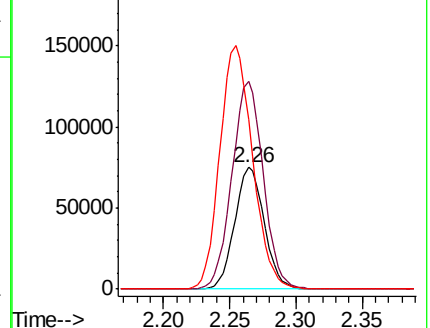
63 139.5 101.8 189.2

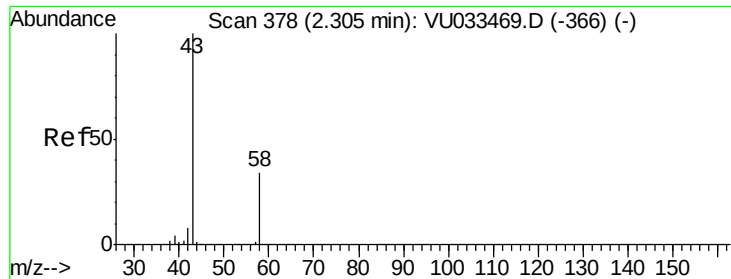


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 81.595 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU033472.D

Acq: 29 Jul 2019 13:42

Instrument :

MSVOA_U

ClientSampleId :

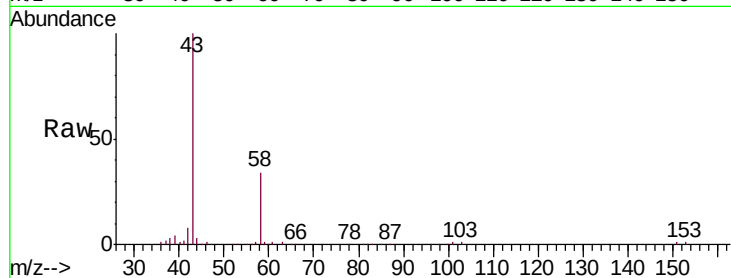
VICV32

Tgt Ion: 43 Resp: 141836

Ion Ratio Lower Upper

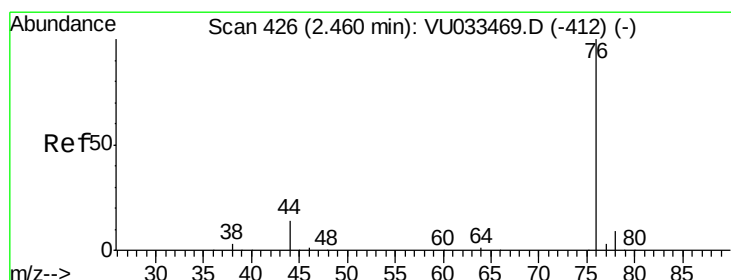
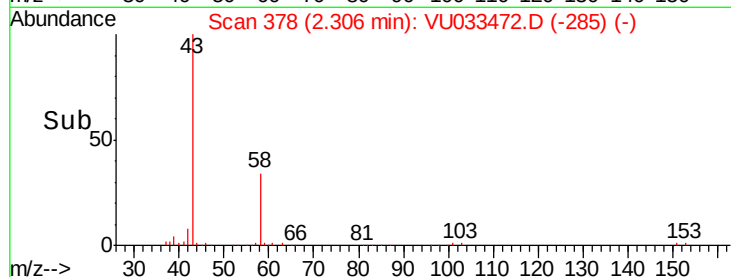
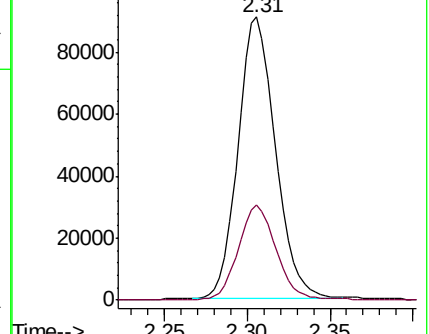
43 100

58 34.5 0.0 67.4



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

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



#14

Carbon disulfide

Concen: 48.040 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

Lab File: VU033472.D

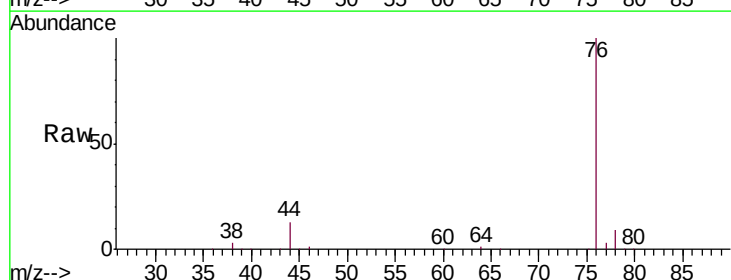
Acq: 29 Jul 2019 13:42

Tgt Ion: 76 Resp: 352992

Ion Ratio Lower Upper

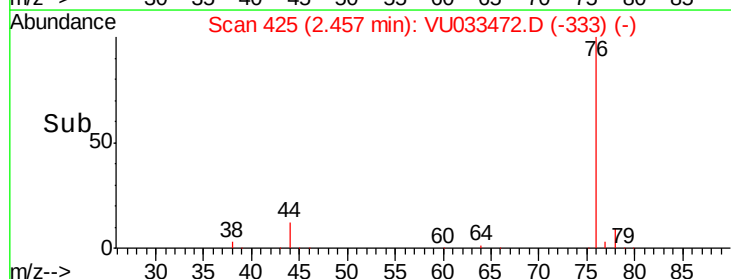
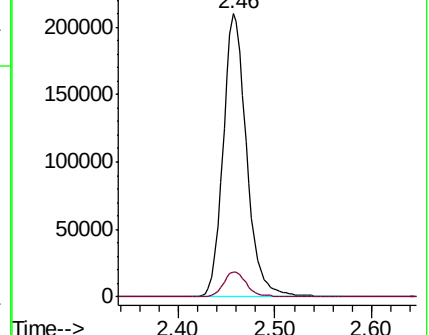
76 100

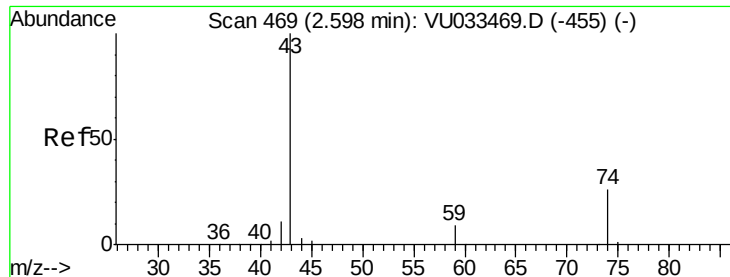
78 9.0 7.2 10.8



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

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





#15

Methyl Acetate

Concen: 46.383 ug/L

RT: 2.60 min Scan# 469

Delta R.T. 0.00 min

Lab File: VU033472.D

Acq: 29 Jul 2019 13:42

Instrument :

MSVOA_U

ClientSampleId :

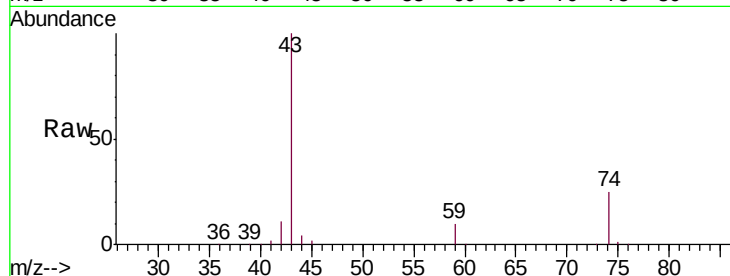
VICV32

Tgt Ion: 43 Resp: 129303

Ion Ratio Lower Upper

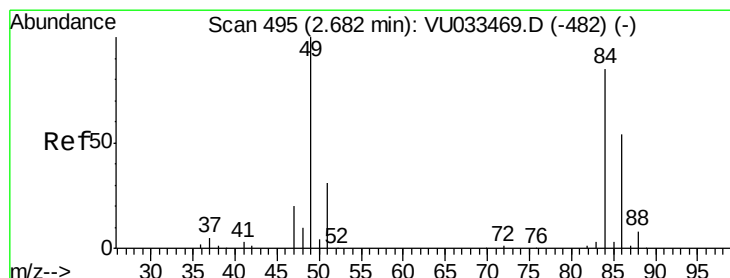
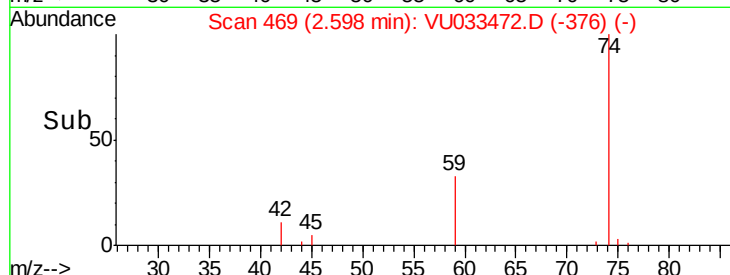
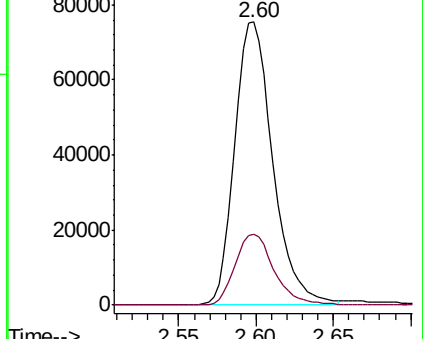
43 100

74 25.7 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VU033472.D (-376) (-)

Ion 74.00 (73.70 to 74.70): VU033472.D (-376) (-)



#16

Methylene chloride

Concen: 46.902 ug/L

RT: 2.68 min Scan# 495

Delta R.T. 0.00 min

Lab File: VU033472.D

Acq: 29 Jul 2019 13:42

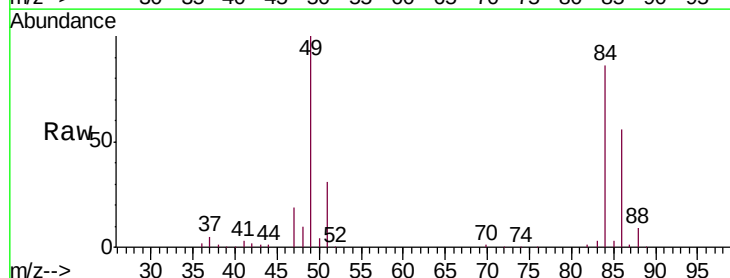
Tgt Ion: 84 Resp: 127081

Ion Ratio Lower Upper

84 100

86 64.9 44.2 82.0

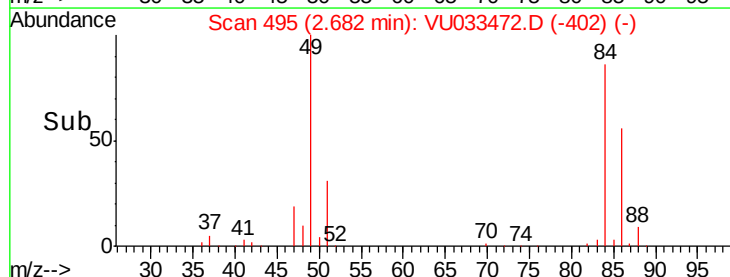
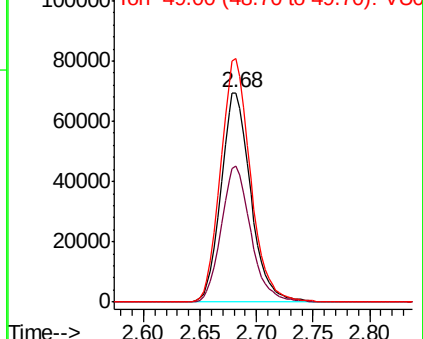
49 116.1 82.3 152.8

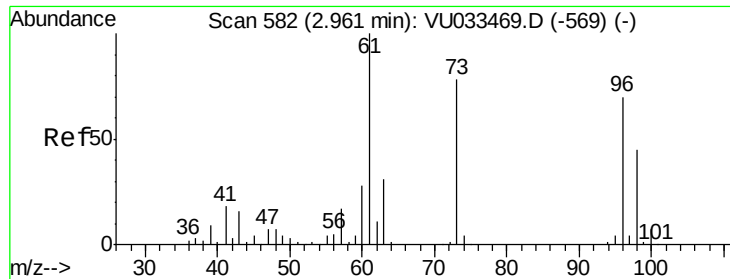


Abundance Ion 84.00 (83.70 to 84.70): VU033472.D (-402) (-)

Ion 86.00 (85.70 to 86.70): VU033472.D (-402) (-)

Ion 49.00 (48.70 to 49.70): VU033472.D (-402) (-)





#17

trans-1,2-Dichloroethene

Concen: 47.787 ug/L

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU033472.D

Acq: 29 Jul 2019 13:42

Instrument :

MSVOA_U

ClientSampleId :

VICV32

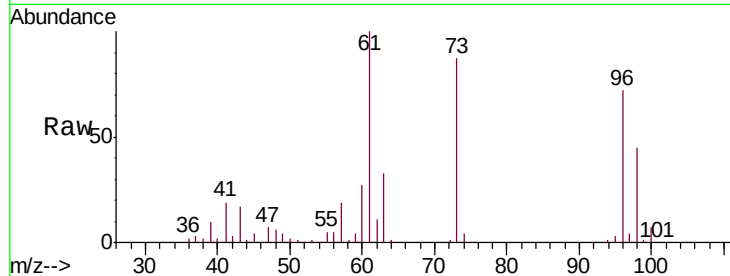
Tgt Ion: 96 Resp: 117065

Ion Ratio Lower Upper

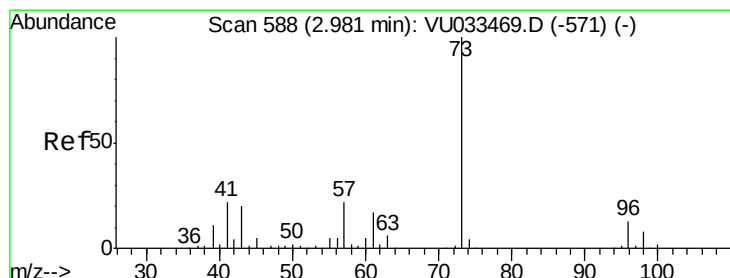
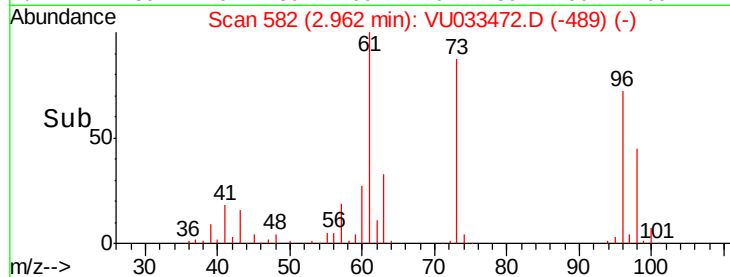
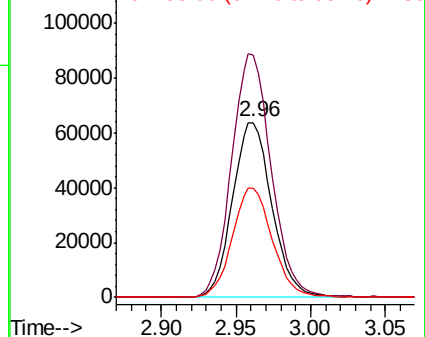
96 100

61 138.8 100.3 186.3

98 62.6 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: 48.177 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU033472.D

Acq: 29 Jul 2019 13:42

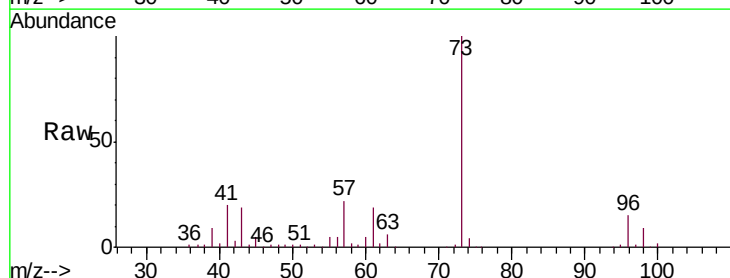
Tgt Ion: 73 Resp: 348266

Ion Ratio Lower Upper

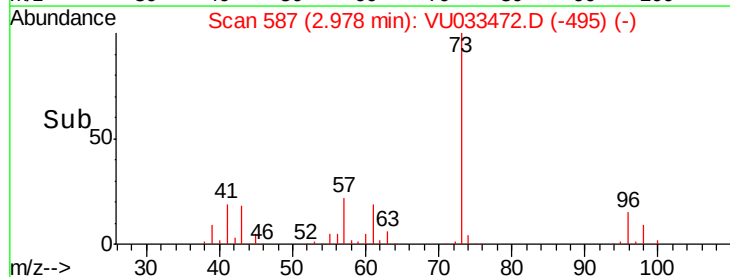
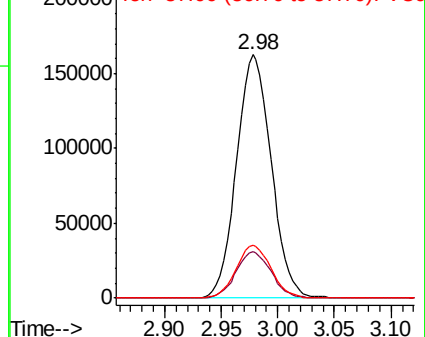
73 100

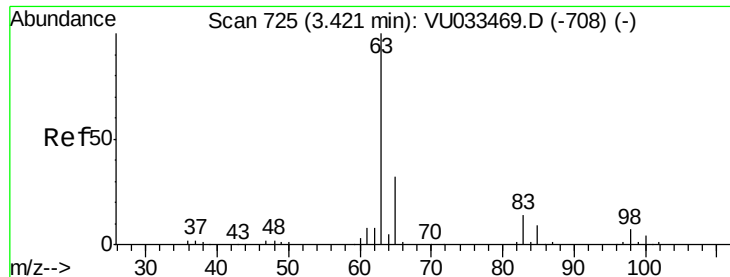
43 19.4 15.3 22.9

57 21.9 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

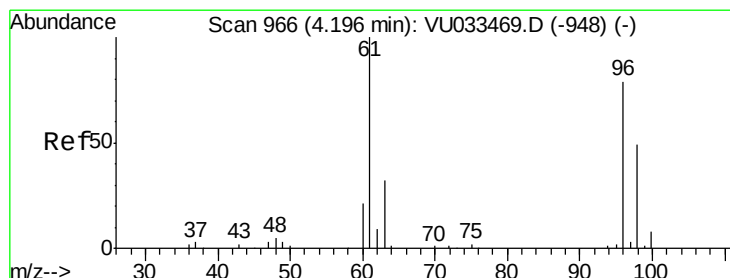
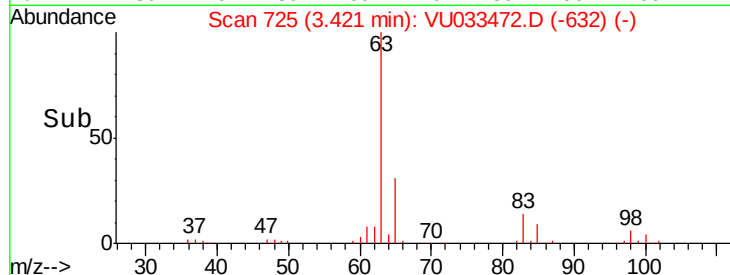
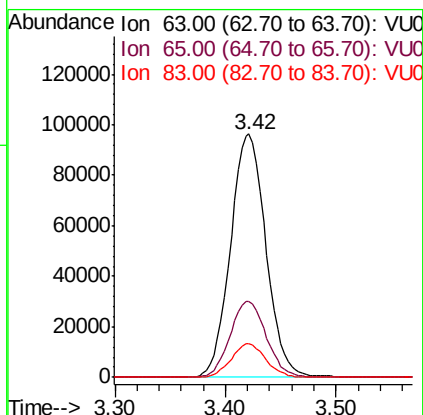
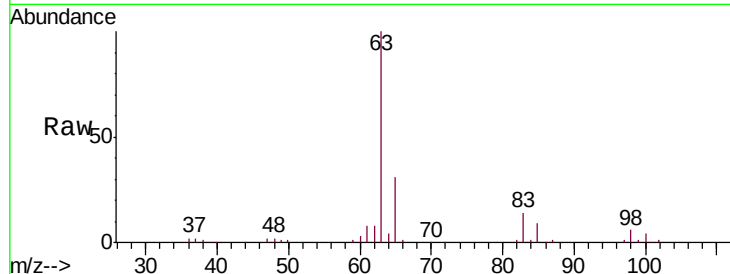




#19
 1,1-Dichloroethane
 Concen: 46.470 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033472.D
 Acq: 29 Jul 2019 13:42

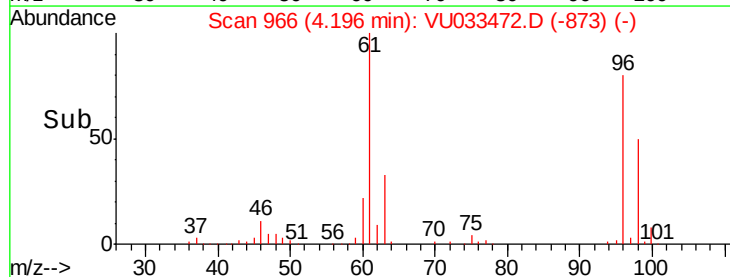
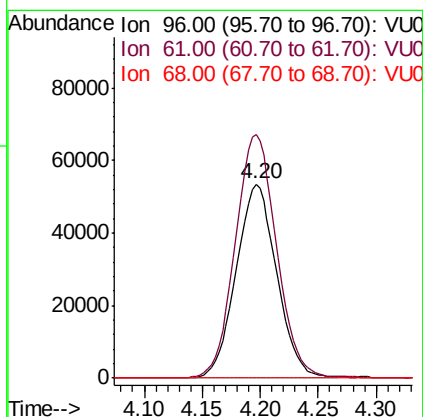
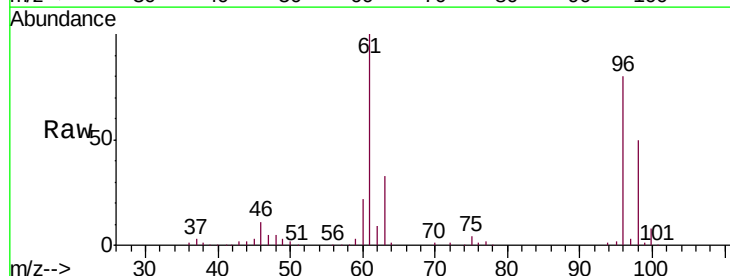
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV32

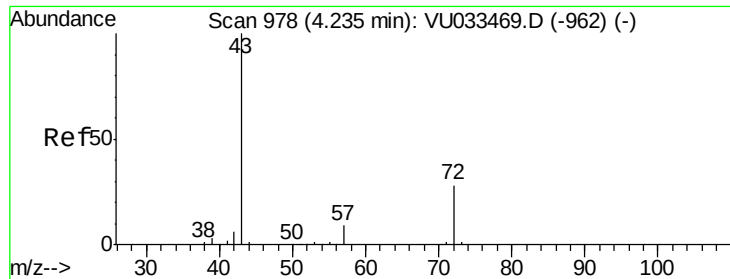
Tgt Ion: 63 Resp: 214335
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.7 42.1
 83 14.0 9.4 17.6



#20
 cis-1,2-Dichloroethene
 Concen: 48.165 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VU033472.D
 Acq: 29 Jul 2019 13:42

Tgt Ion: 96 Resp: 130227
 Ion Ratio Lower Upper
 96 100
 61 125.7 88.9 165.1
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 97.616 ug/L

RT: 4.23 min Scan# 978

Delta R.T. 0.00 min

Lab File: VU033472.D

Acq: 29 Jul 2019 13:42

Instrument :

MSVOA_U

ClientSampleId :

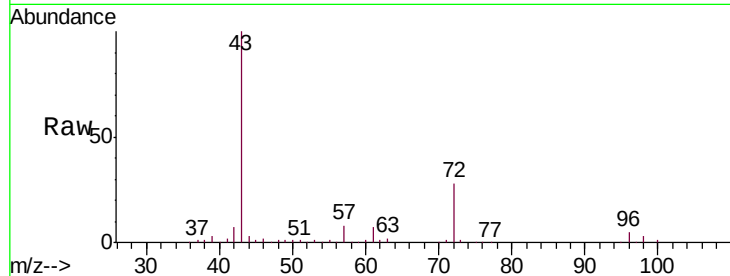
VICV32

Tgt Ion: 43 Resp: 201620

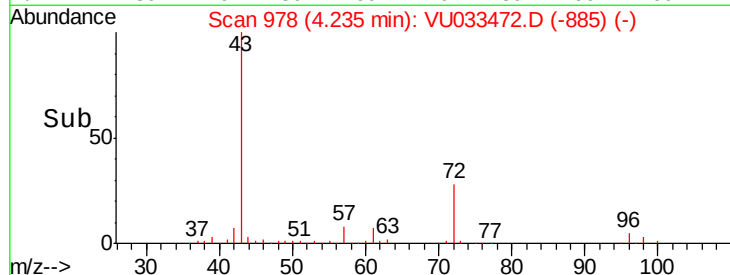
Ion Ratio Lower Upper

43 100

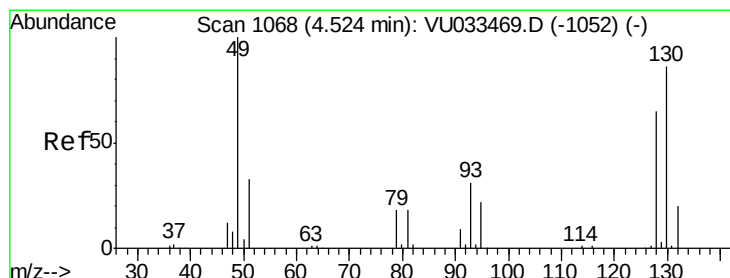
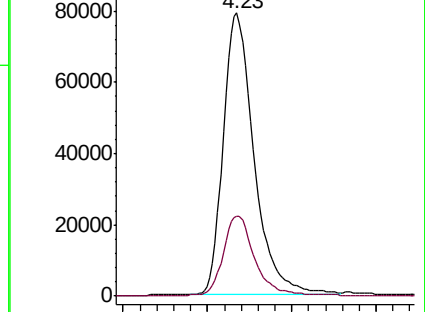
72 29.2 14.1 42.3



Abundance Ion 43.00 (42.70 to 43.70): VU033472.D (-885) (-)



Ion 72.00 (71.70 to 72.70): VU033472.D (-885) (-)



#23

Bromochloromethane

Concen: 47.259 ug/L

RT: 4.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU033472.D

Acq: 29 Jul 2019 13:42

Tgt Ion: 128 Resp: 67865

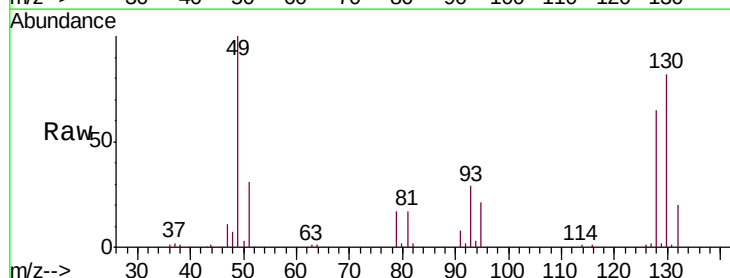
Ion Ratio Lower Upper

128 100

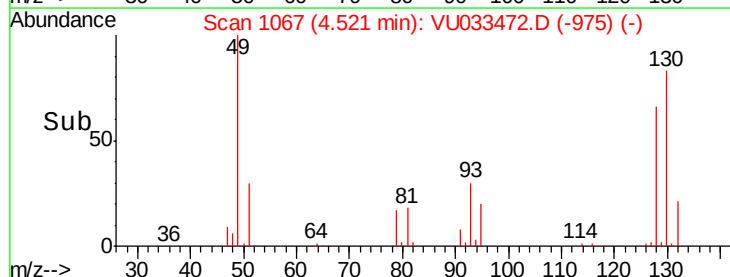
49 153.6 108.0 200.6

130 126.1 92.9 172.5

51 47.6 40.2 60.4



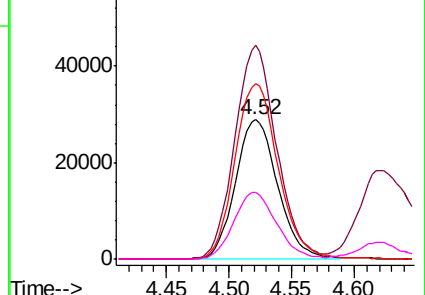
Abundance Ion 128.00 (127.70 to 128.70): VU033472.D (-975) (-)

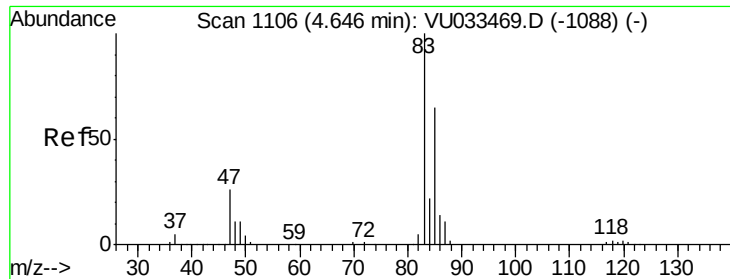


Ion 49.00 (48.70 to 49.70): VU033472.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VU033472.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VU033472.D (-975) (-)

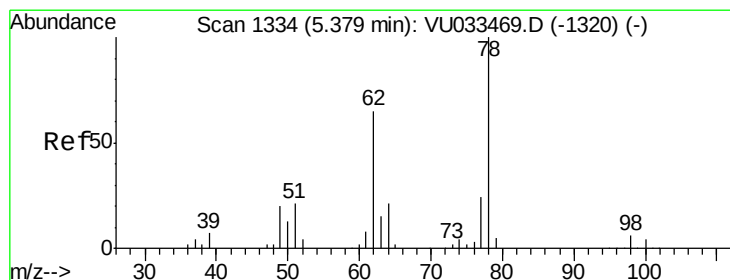
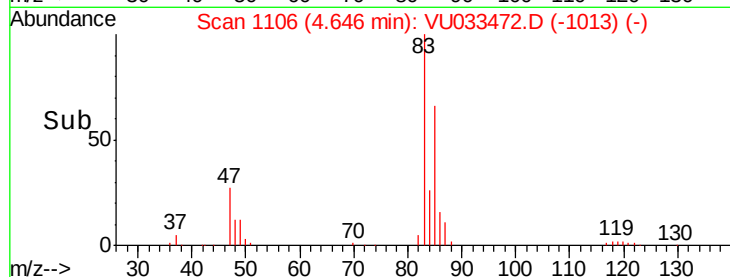
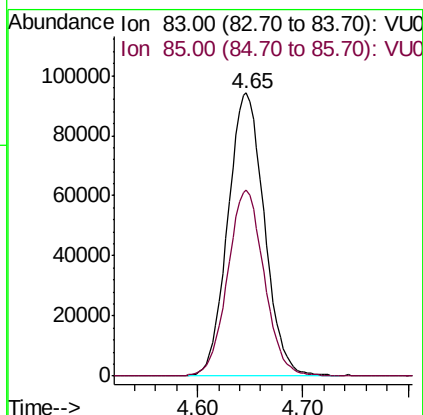
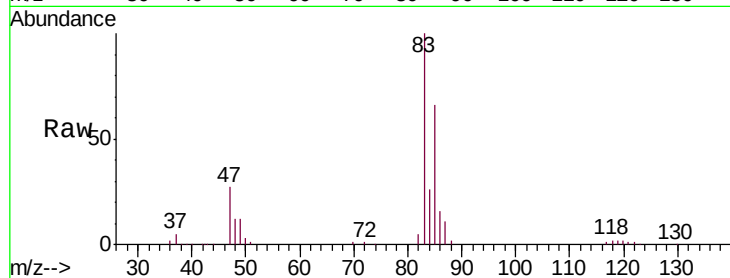




#25
Chloroform
Concen: 46.172 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU033472.D
Acq: 29 Jul 2019 13:42

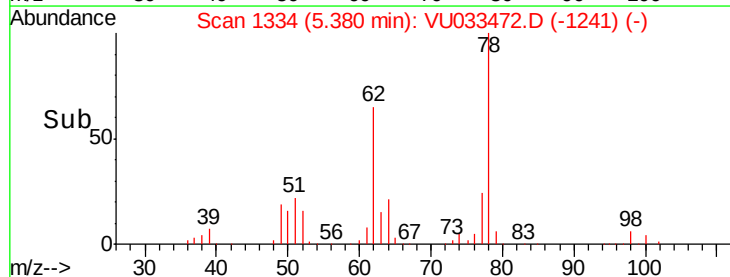
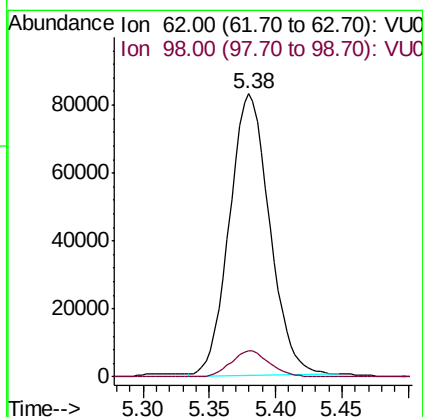
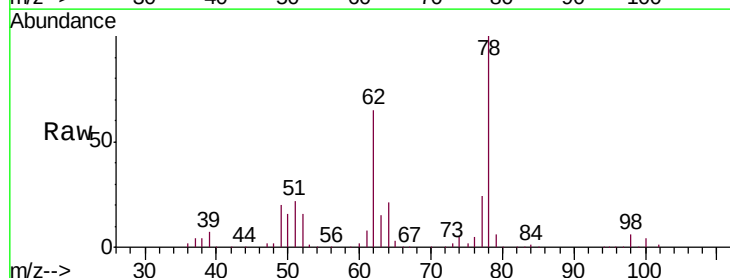
Instrument :
MSVOA_U
ClientSampled :
VICV32

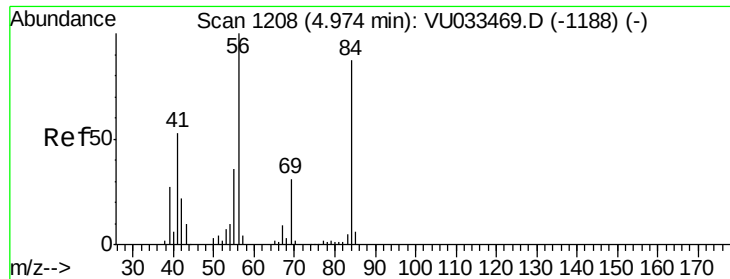
Tgt Ion: 83 Resp: 225793
Ion Ratio Lower Upper
83 100
85 65.9 45.6 84.8



#27
1,2-Dichloroethane
Concen: 46.007 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VU033472.D
Acq: 29 Jul 2019 13:42

Tgt Ion: 62 Resp: 174717
Ion Ratio Lower Upper
62 100
98 9.3 6.7 10.1

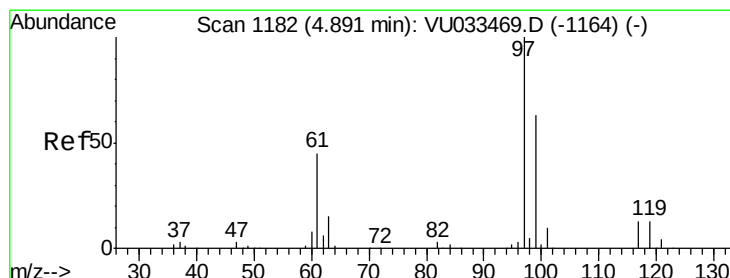
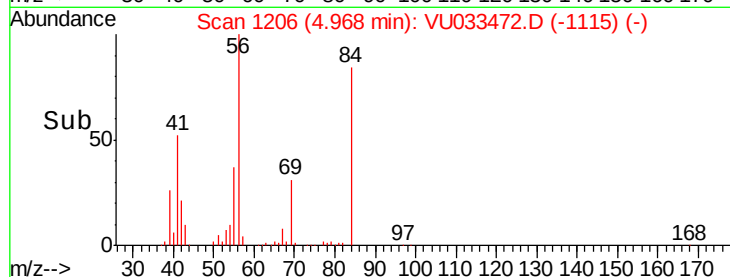
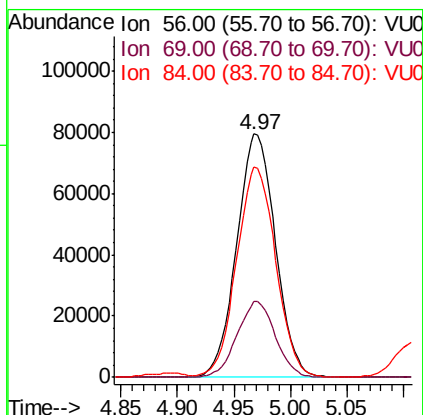
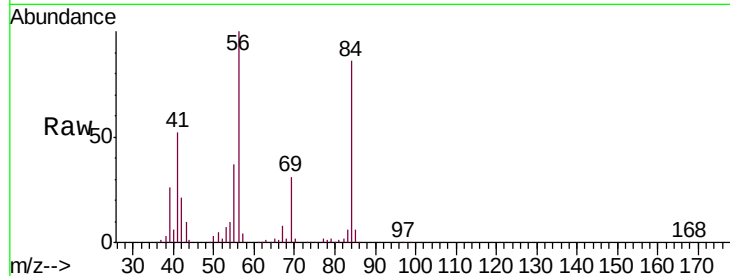




#29
Cyclohexane
Concen: 51.410 ug/L
RT: 4.97 min Scan# 1206
Delta R.T. -0.01 min
Lab File: VU033472.D
Acq: 29 Jul 2019 13:42

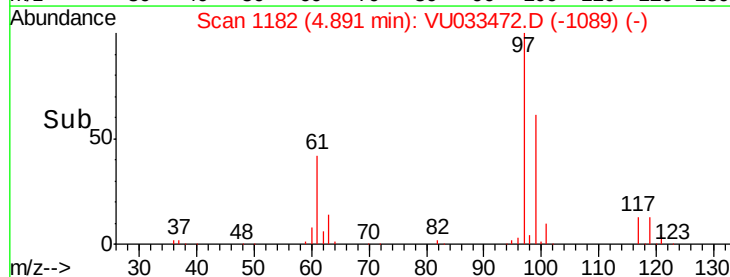
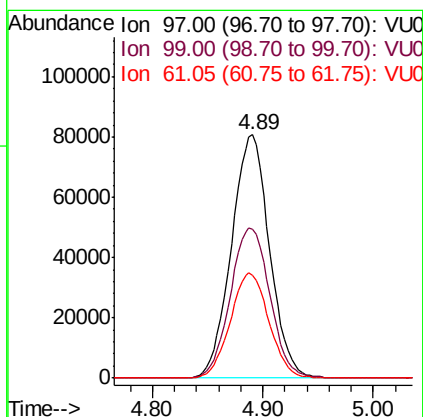
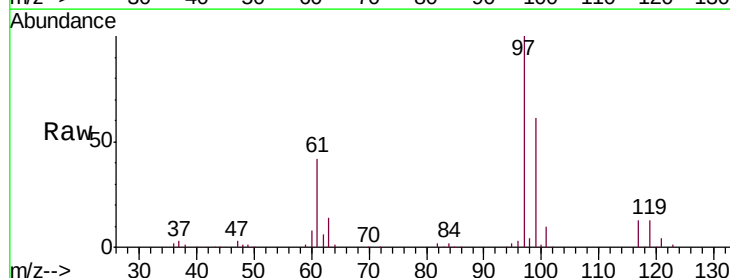
Instrument :
MSVOA_U
ClientSampled :
VICV32

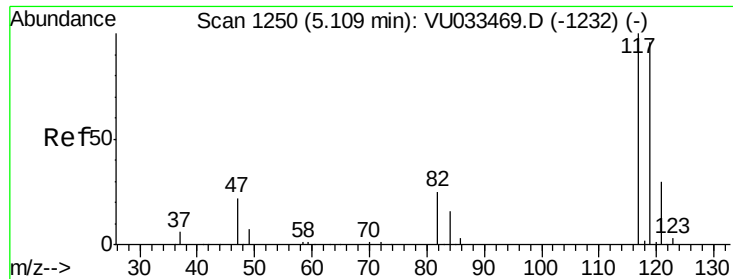
Tgt Ion: 56 Resp: 189531
Ion Ratio Lower Upper
56 100
69 30.8 25.3 37.9
84 86.7 69.6 104.4



#30
1,1,1-Trichloroethane
Concen: 48.379 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU033472.D
Acq: 29 Jul 2019 13:42

Tgt Ion: 97 Resp: 193298
Ion Ratio Lower Upper
97 100
99 64.0 51.8 77.6
61 43.8 36.2 54.2





#31

Carbon tetrachloride

Concen: 48.593 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU033472.D

Acq: 29 Jul 2019 13:42

Instrument :

MSVOA_U

ClientSampleId :

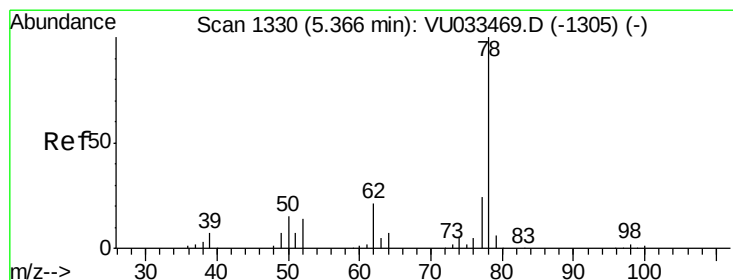
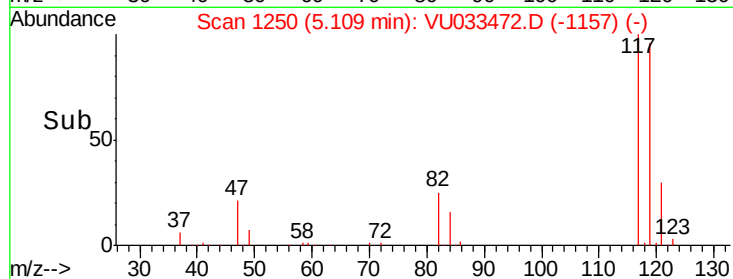
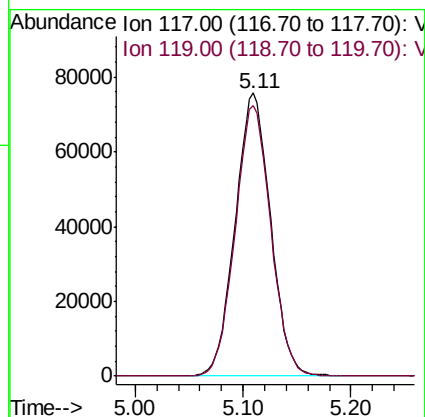
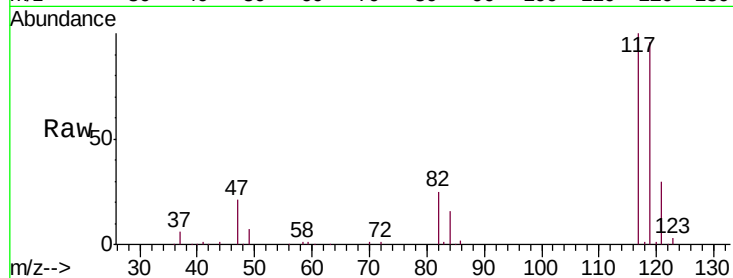
VICV32

Tgt Ion:117 Resp: 172828

Ion Ratio Lower Upper

117 100

119 96.2 76.8 115.2



#33

Benzene

Concen: 48.556 ug/L

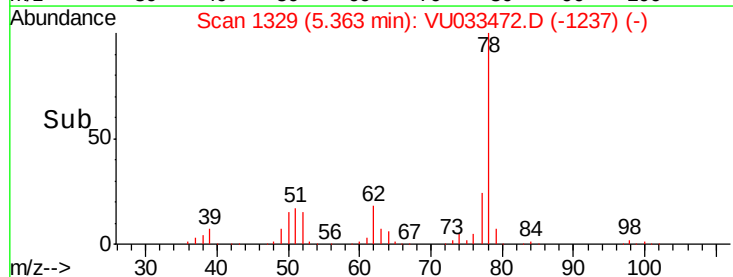
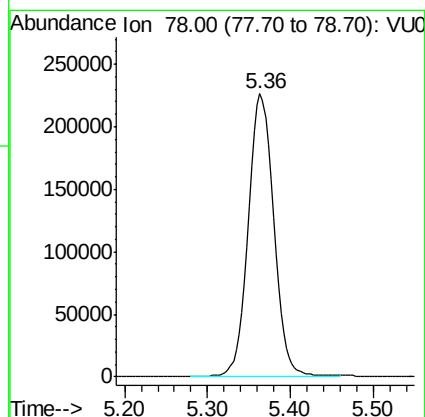
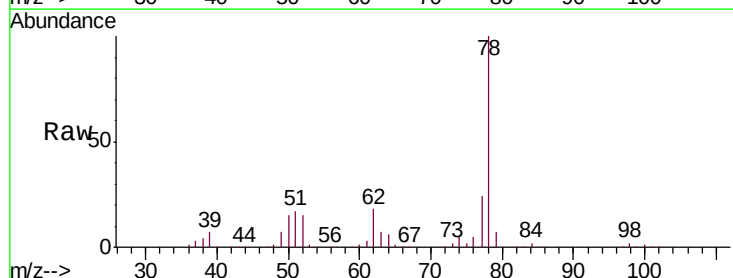
RT: 5.36 min Scan# 1329

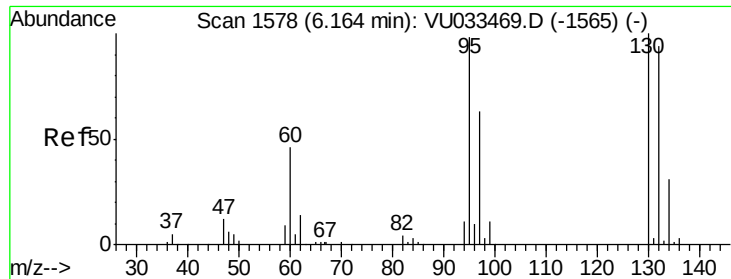
Delta R.T. -0.00 min

Lab File: VU033472.D

Acq: 29 Jul 2019 13:42

Tgt Ion: 78 Resp: 487015





#34

Trichloroethene

Concen: 48.970 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033472.D

Acq: 29 Jul 2019 13:42

Instrument :

MSVOA_U

ClientSampleId :

VICV32

Tgt Ion: 95 Resp: 127968

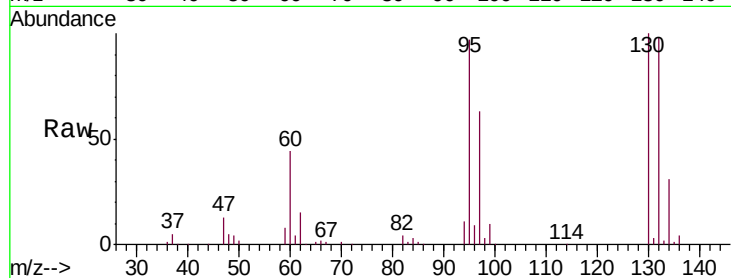
Ion Ratio Lower Upper

95 100

97 65.1 45.4 84.2

132 100.8 67.1 124.5

130 103.3 71.4 132.6

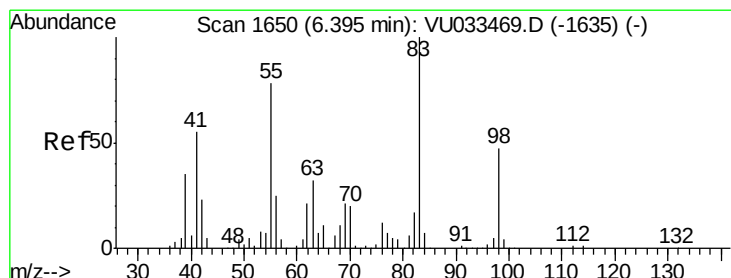
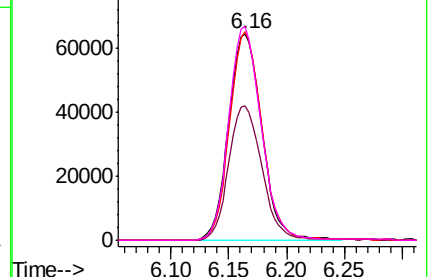
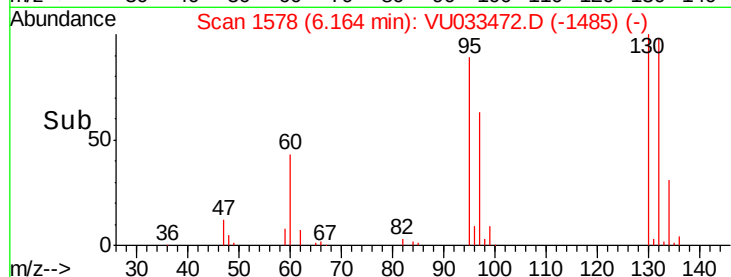


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 49.407 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU033472.D

Acq: 29 Jul 2019 13:42

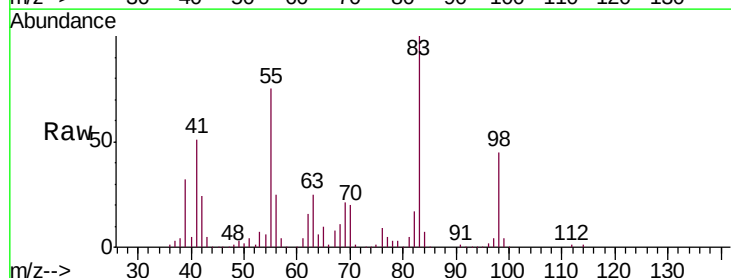
Tgt Ion: 83 Resp: 196322

Ion Ratio Lower Upper

83 100

55 75.6 62.4 93.6

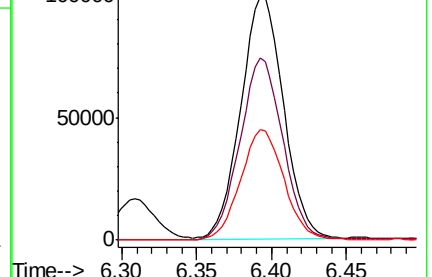
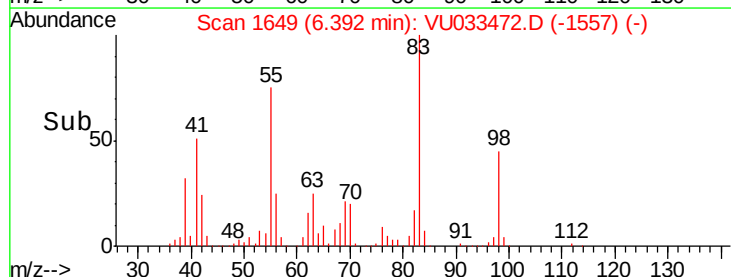
98 46.6 37.3 55.9

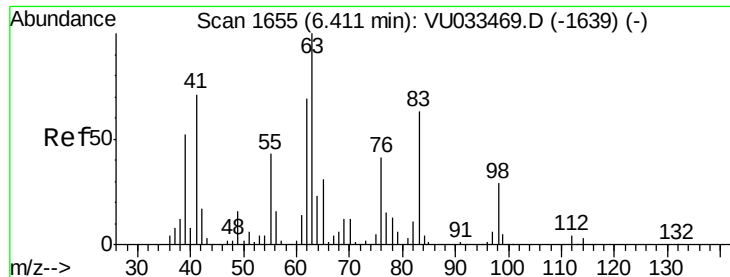


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

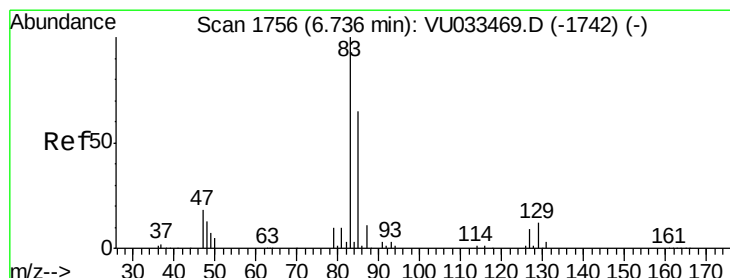
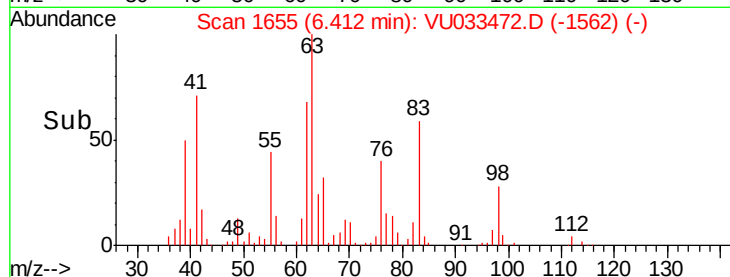
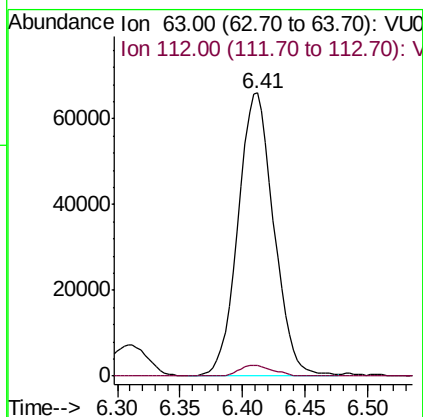
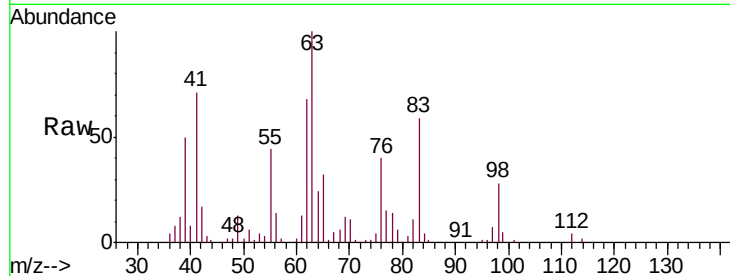




#37
 1,2-Dichloropropane
 Concen: 48.476 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033472.D
 Acq: 29 Jul 2019 13:42

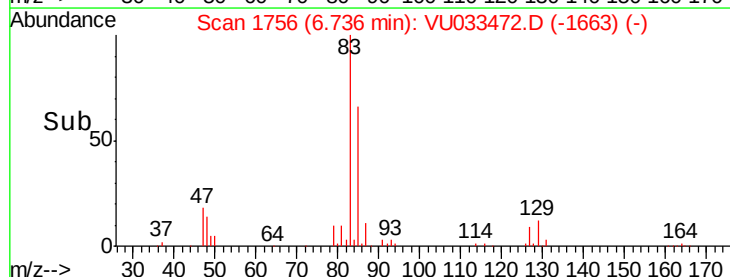
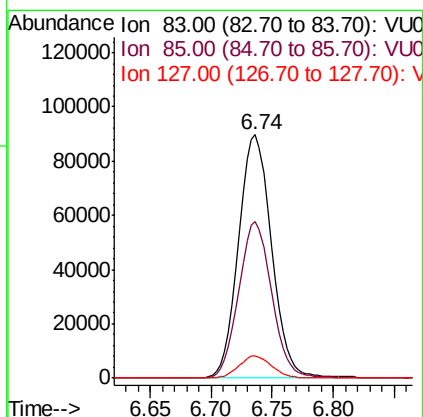
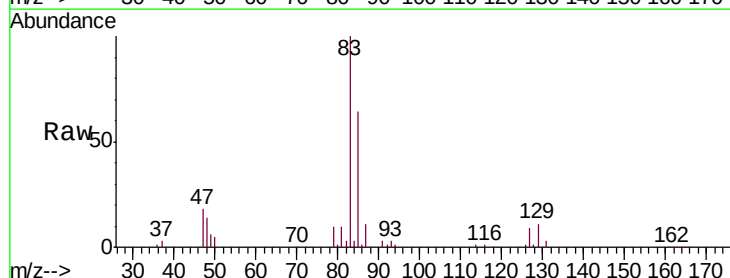
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV32

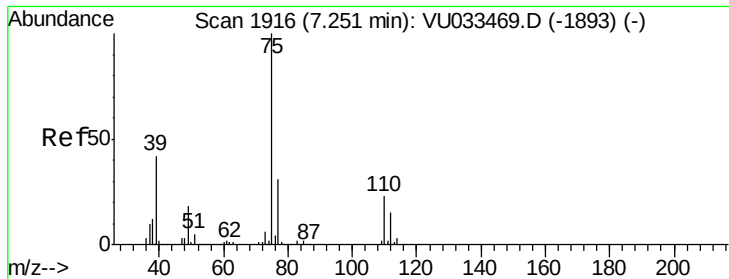
Tgt Ion: 63 Resp: 130767
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.1 4.7



#38
 Bromodichloromethane
 Concen: 47.407 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU033472.D
 Acq: 29 Jul 2019 13:42

Tgt Ion: 83 Resp: 168347
 Ion Ratio Lower Upper
 83 100
 85 64.3 45.4 84.4
 127 9.0 7.3 10.9



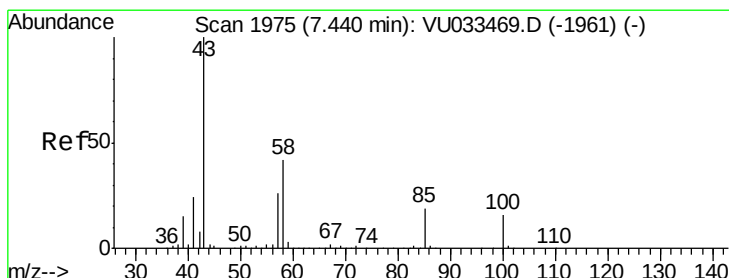
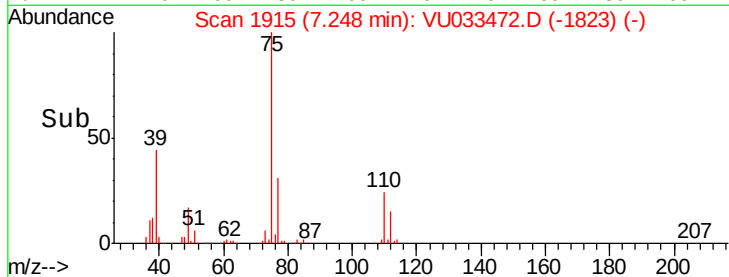
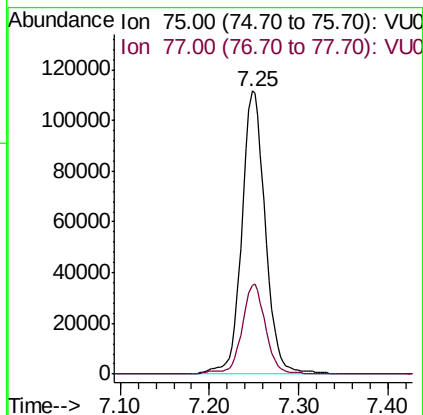
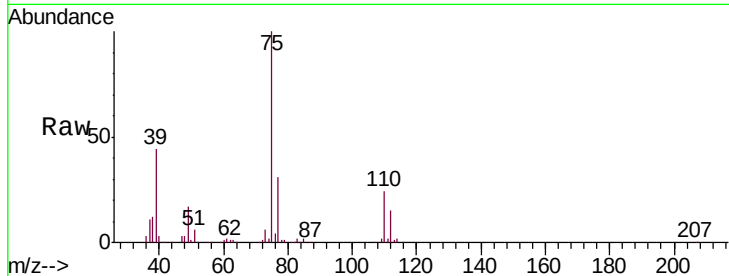


#39

cis-1,3-Dichloropropene
 Concen: 50.654 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU033472.D
 Acq: 29 Jul 2019 13:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV32

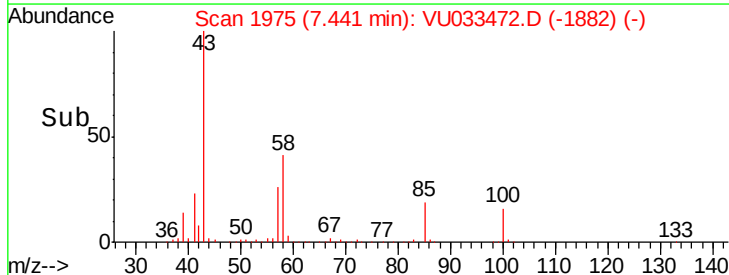
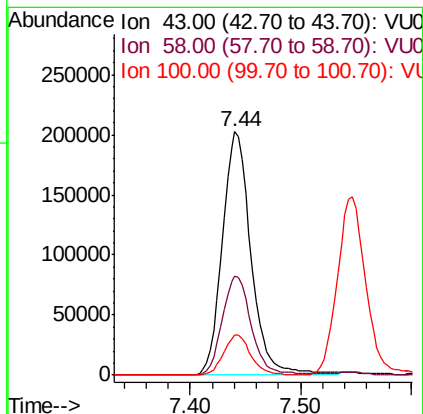
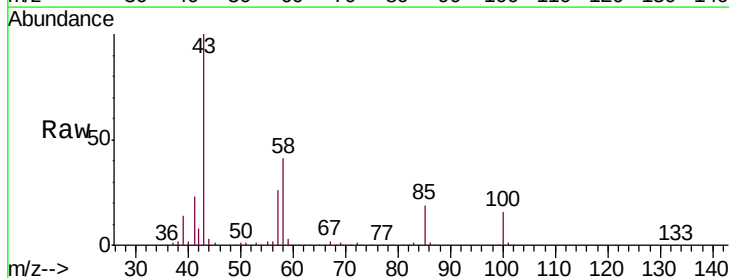
Tgt Ion: 75 Resp: 203756
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.6 40.2

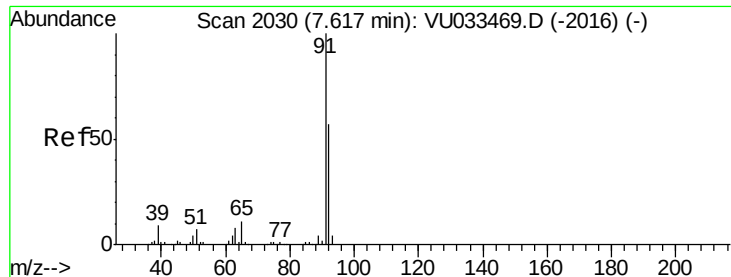


#40

4-Methyl-2-pentanone
 Concen: 102.792 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU033472.D
 Acq: 29 Jul 2019 13:42

Tgt Ion: 43 Resp: 365430
 Ion Ratio Lower Upper
 43 100
 58 41.2 33.4 50.2
 100 15.6 12.3 18.5





#42

Toluene

Concen: 50.060 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033472.D

Acq: 29 Jul 2019 13:42

Instrument :

MSVOA_U

ClientSampleId :

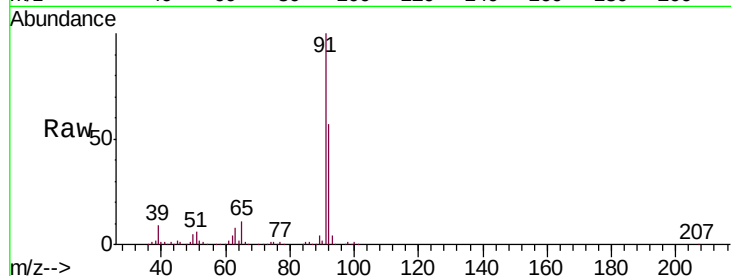
VICV32

Tgt Ion: 91 Resp: 540325

Ion Ratio Lower Upper

91 100

92 57.4 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VU033469.D (-2016) (-)

Ion 92.00 (91.70 to 92.70): VU033469.D (-2016) (-)

7.62

300000

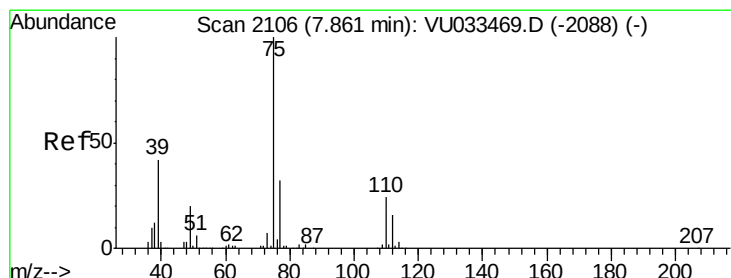
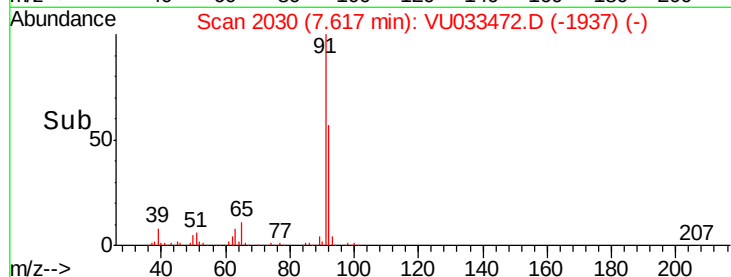
200000

100000

0

7.50 7.60 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.449 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033472.D

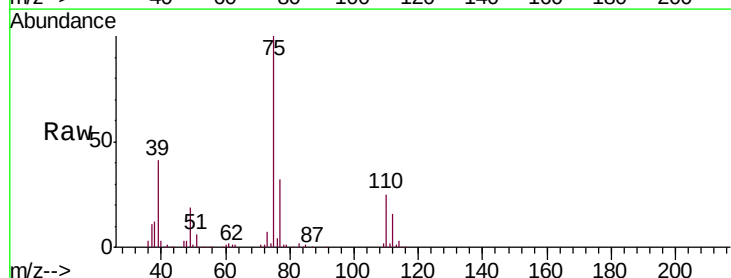
Acq: 29 Jul 2019 13:42

Tgt Ion: 75 Resp: 187841

Ion Ratio Lower Upper

75 100

77 32.2 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VU033469.D (-2088) (-)

Ion 77.00 (76.70 to 77.70): VU033469.D (-2088) (-)

7.86

120000

100000

80000

60000

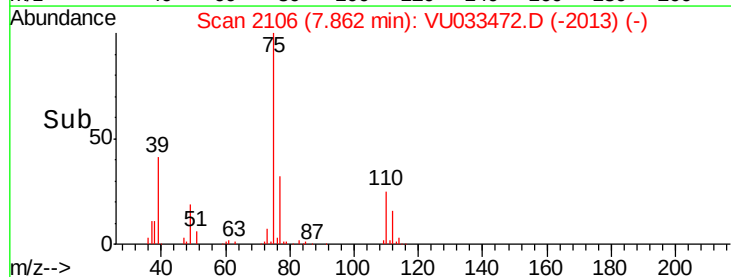
40000

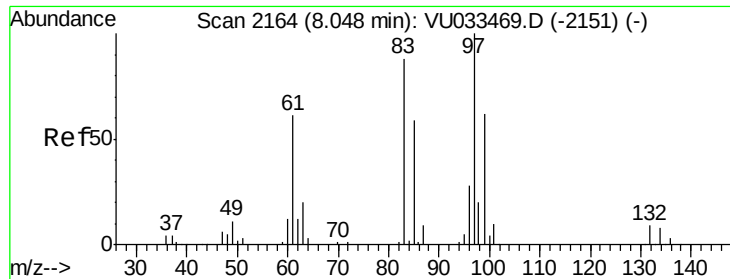
20000

0

7.75 7.80 7.85 7.90 7.95

Time-->





#45

1,1,2-Trichloroethane

Concen: 47.906 ug/L

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU033472.D

Acq: 29 Jul 2019 13:42

Instrument :

MSVOA_U

ClientSampleId :

VICV32

Tgt Ion: 97 Resp: 123253

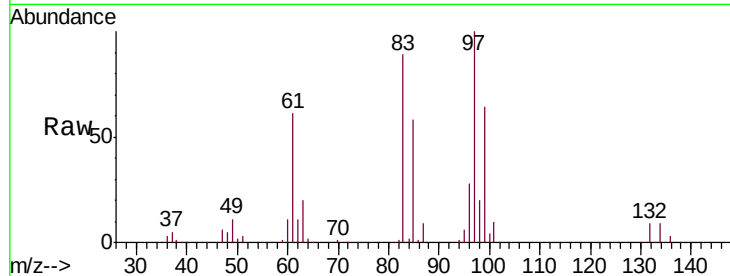
Ion Ratio Lower Upper

97 100

99 64.1 43.3 80.5

83 88.9 61.3 113.9

85 57.7 41.0 76.2

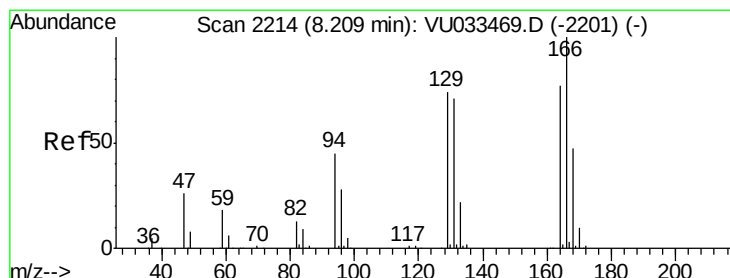
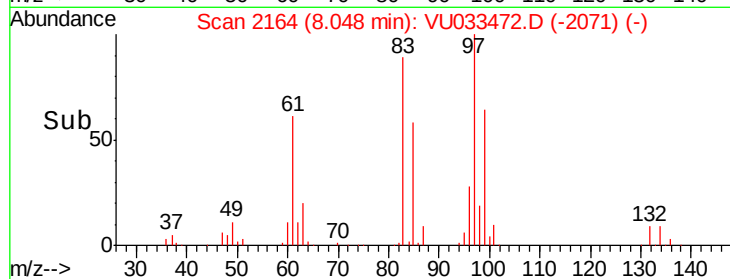
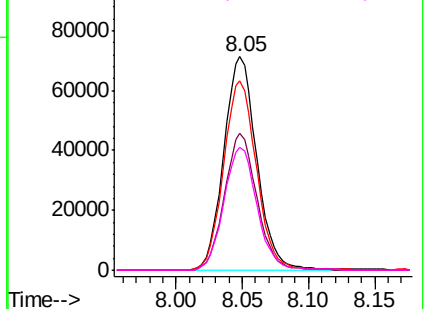


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 49.490 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033472.D

Acq: 29 Jul 2019 13:42

Tgt Ion: 164 Resp: 105245

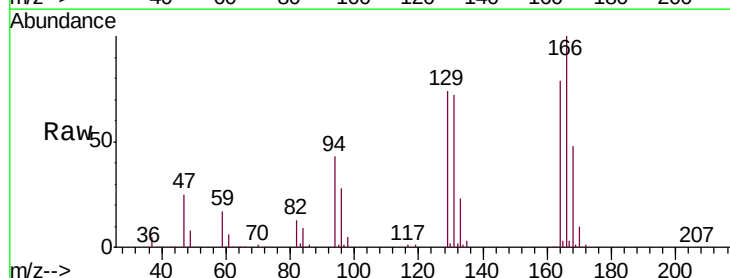
Ion Ratio Lower Upper

164 100

129 93.2 66.6 123.8

131 90.8 63.9 118.7

166 126.0 90.5 168.1

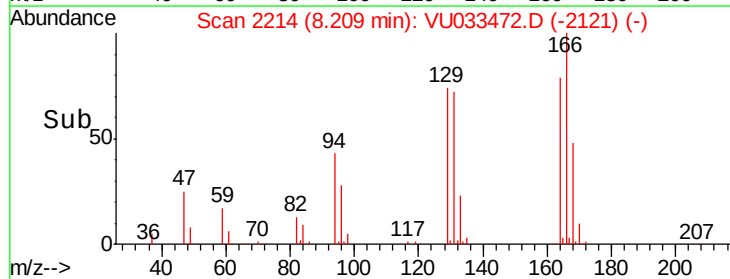
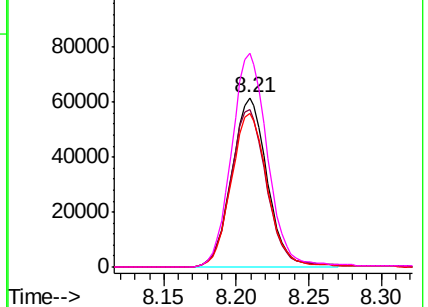


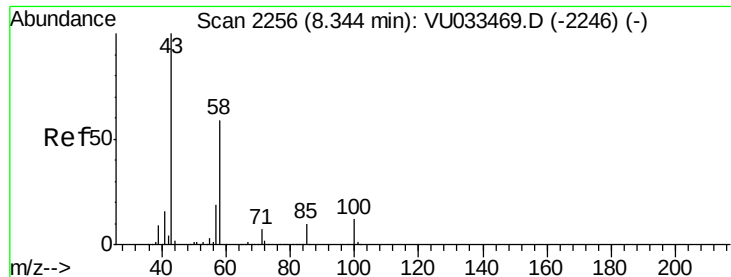
Abundance Ion 164.00 (163.70 to 164.70): V

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

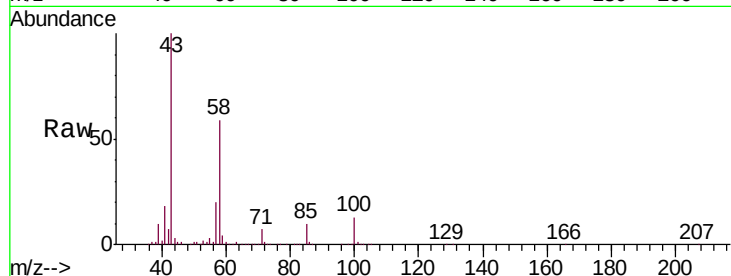




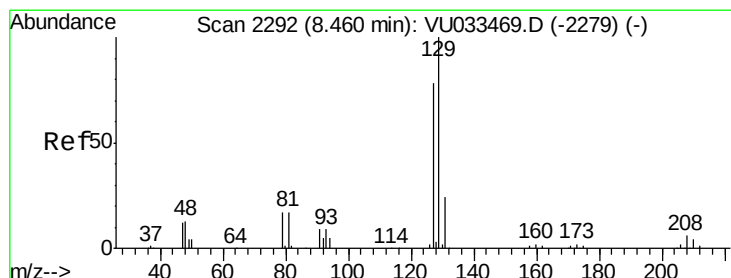
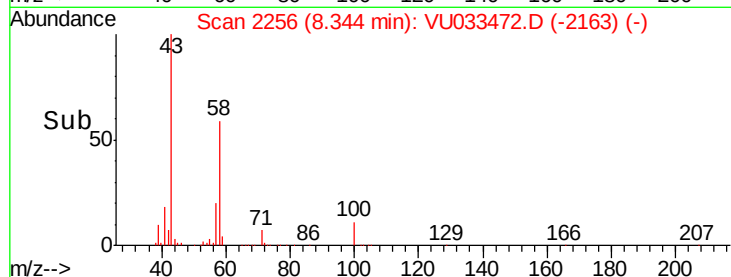
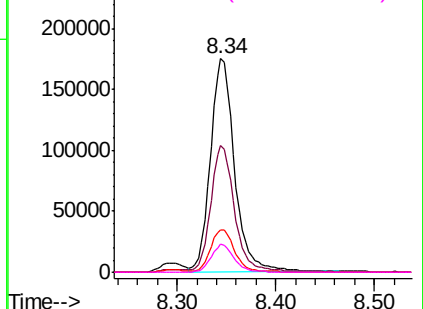
#48
2-Hexanone
Concen: 102.975 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU033472.D
Acq: 29 Jul 2019 13:42

Instrument :
MSVOA_U
ClientSampled :
VICV32

Tgt Ion:	43	Resp:	298238
Ion	Ratio	Lower	Upper
43	100		
58	57.6	46.6	69.8
57	20.5	16.0	24.0
100	12.6	9.5	14.3

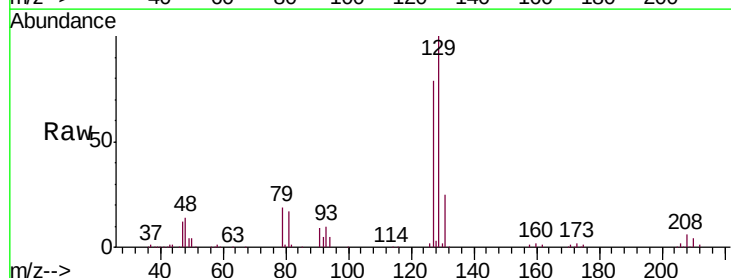


Abundance Ion 43.00 (42.70 to 43.70): VU033469.D (-2246) (-)
Ion 58.00 (57.70 to 58.70): VU033469.D (-2246) (-)
Ion 57.00 (56.70 to 57.70): VU033469.D (-2246) (-)
Ion 100.00 (99.70 to 100.70): VU033469.D (-2246) (-)

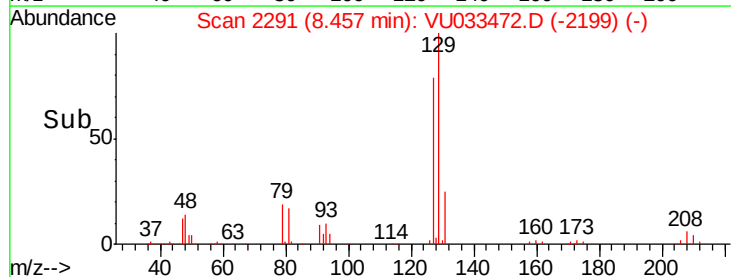
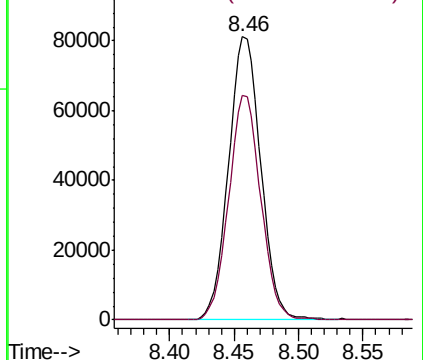


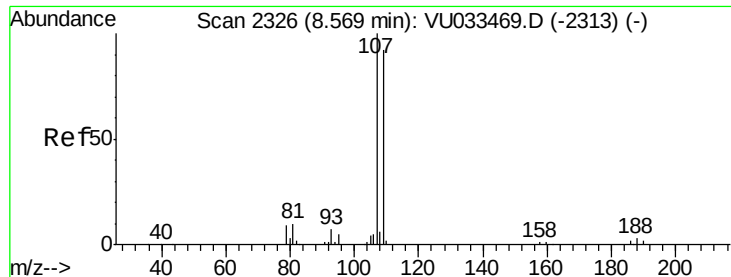
#49
Dibromochloromethane
Concen: 49.031 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU033472.D
Acq: 29 Jul 2019 13:42

Tgt Ion:	129	Resp:	141243
Ion	Ratio	Lower	Upper
129	100		
127	79.1	54.5	101.1



Abundance Ion 129.00 (128.70 to 129.70): VU033469.D (-2279) (-)
Ion 127.00 (126.70 to 127.70): VU033469.D (-2279) (-)

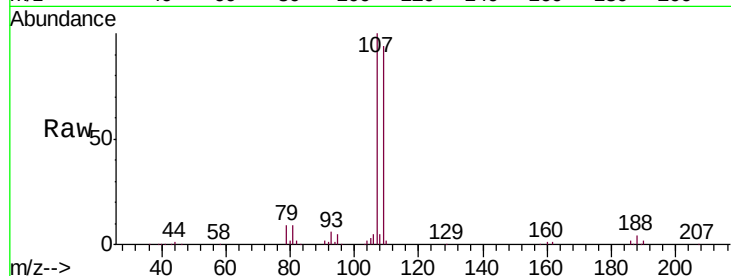




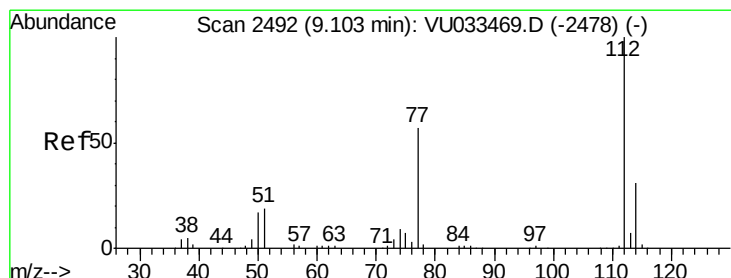
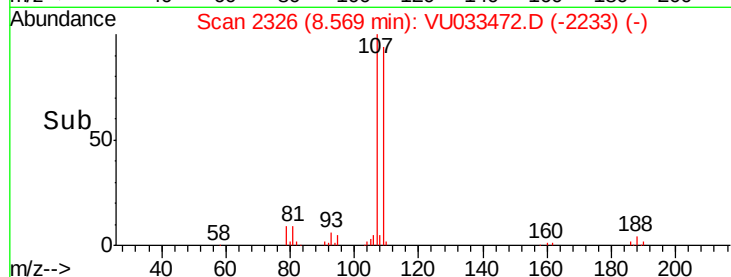
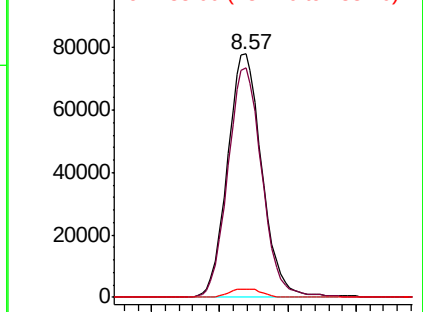
#50
1,2-Dibromoethane
Concen: 48.974 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU033472.D
Acq: 29 Jul 2019 13:42

Instrument :
MSVOA_U
ClientSampleId :
VICV32

Tgt Ion:107 Resp: 136690
Ion Ratio Lower Upper
107 100
109 94.3 64.7 120.1
188 3.6 2.8 4.2

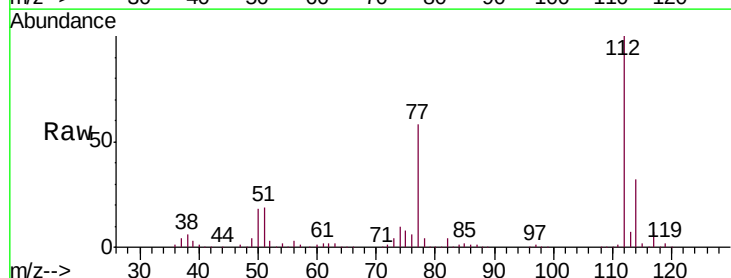


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

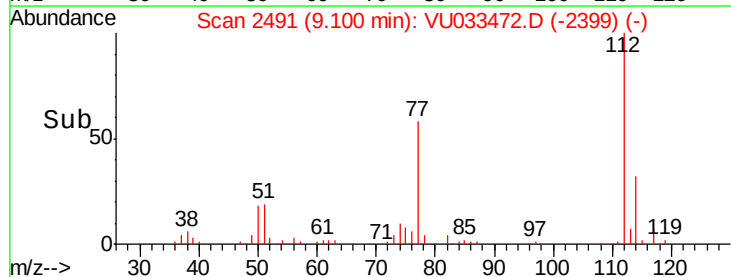
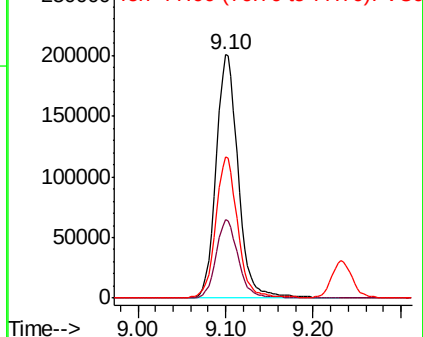


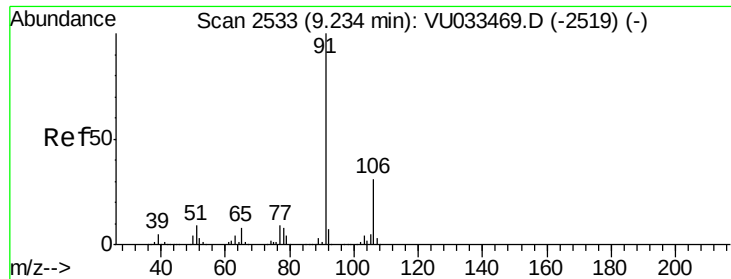
#51
Chlorobenzene
Concen: 49.195 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU033472.D
Acq: 29 Jul 2019 13:42

Tgt Ion:112 Resp: 352803
Ion Ratio Lower Upper
112 100
114 32.3 21.9 40.7
77 58.0 46.1 69.1



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





#52

Ethylbenzene

Concen: 50.056 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033472.D

Acq: 29 Jul 2019 13:42

Instrument :

MSVOA_U

ClientSampleId :

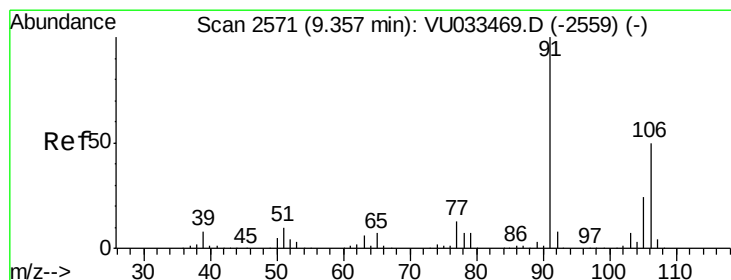
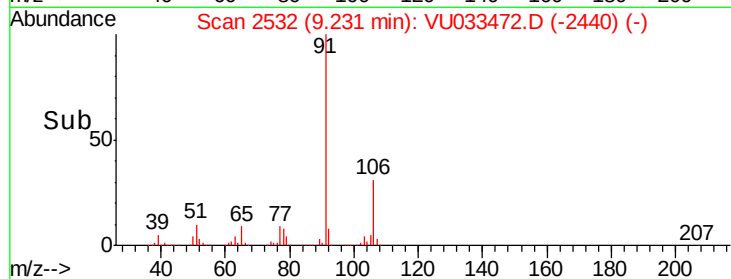
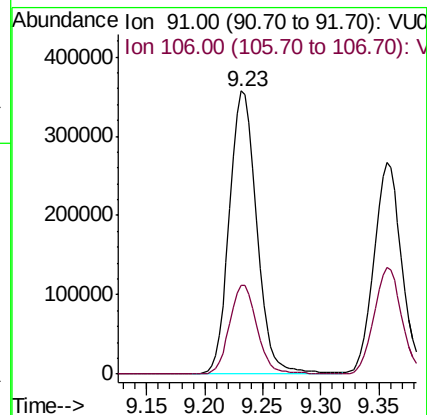
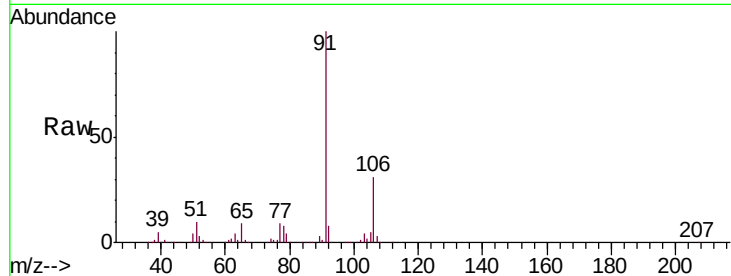
VICV32

Tgt Ion: 91 Resp: 585678

Ion Ratio Lower Upper

91 100

106 31.4 21.6 40.2



#53

m,p-Xylene

Concen: 51.910 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033472.D

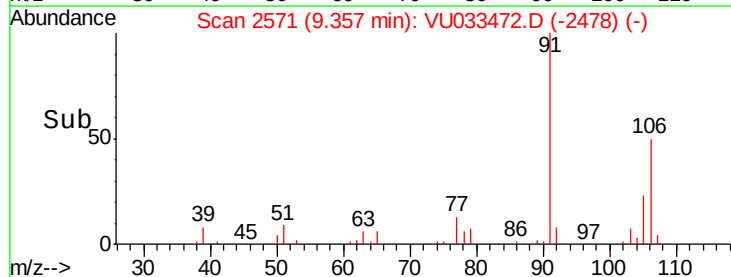
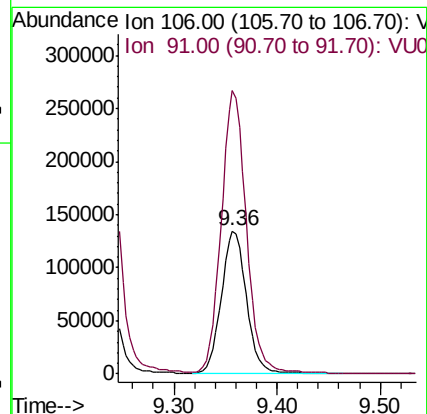
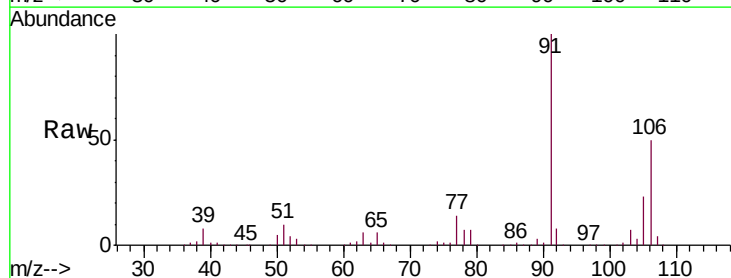
Acq: 29 Jul 2019 13:42

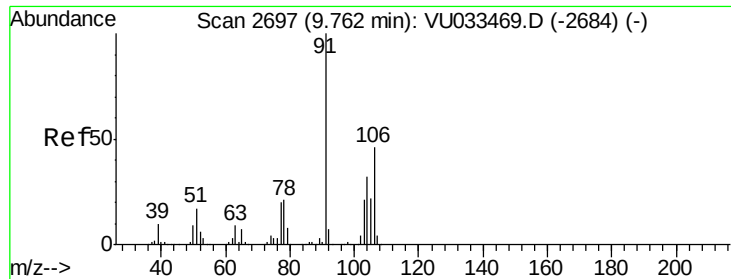
Tgt Ion: 106 Resp: 228399

Ion Ratio Lower Upper

106 100

91 198.2 140.7 261.3





#54

o-xylene

Concen: 50.829 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU033472.D

Acq: 29 Jul 2019 13:42

Instrument :

MSVOA_U

ClientSampleId :

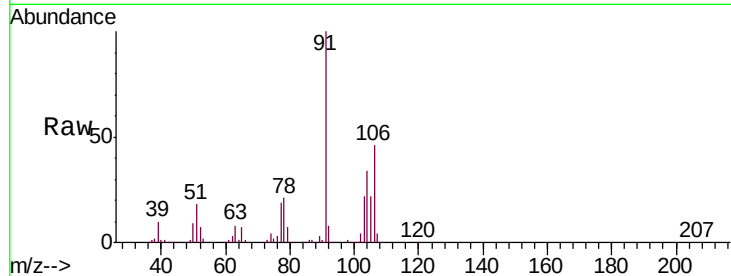
VICV32

Tgt Ion:106 Resp: 219276

Ion Ratio Lower Upper

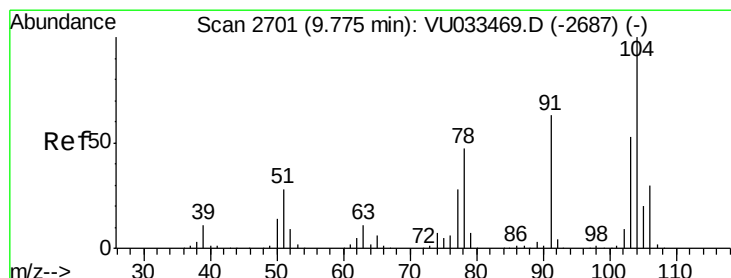
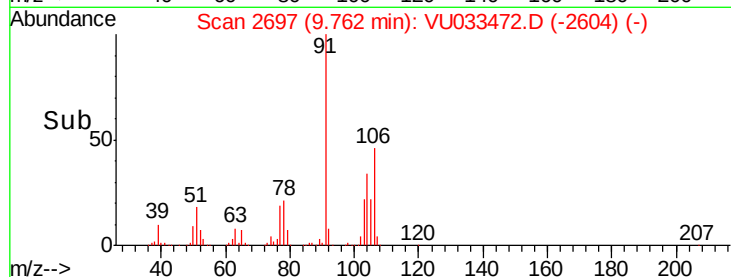
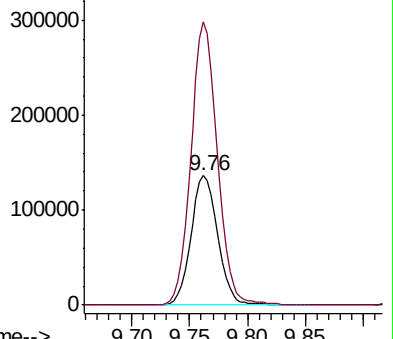
106 100

91 218.9 151.1 280.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 52.706 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU033472.D

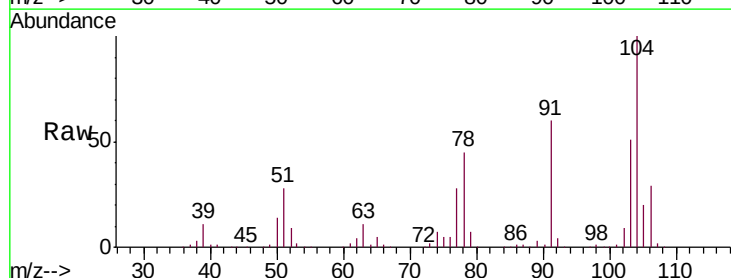
Acq: 29 Jul 2019 13:42

Tgt Ion:104 Resp: 385840

Ion Ratio Lower Upper

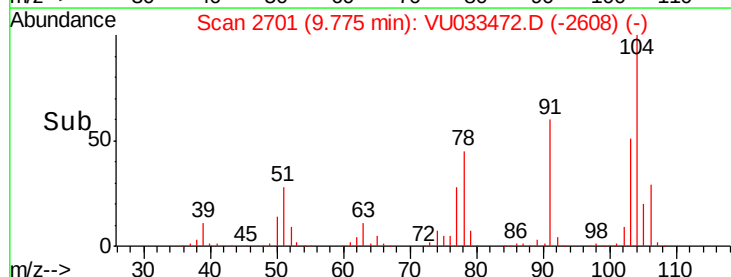
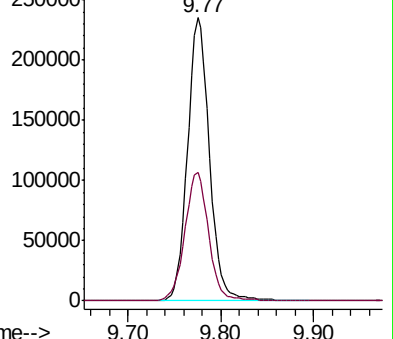
104 100

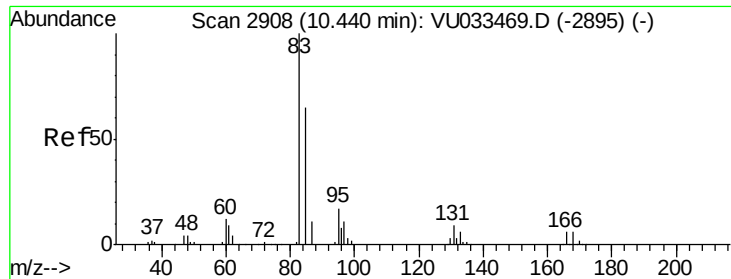
78 45.3 32.6 60.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

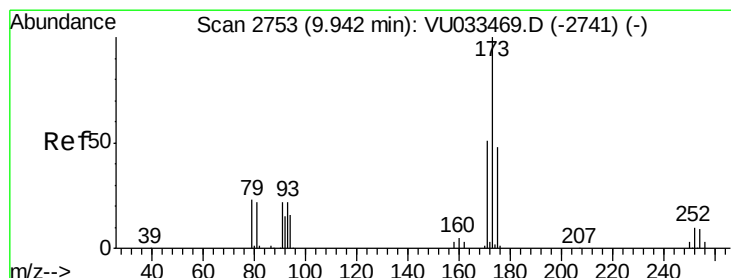
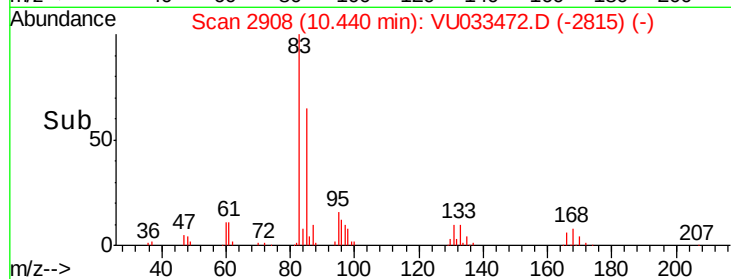
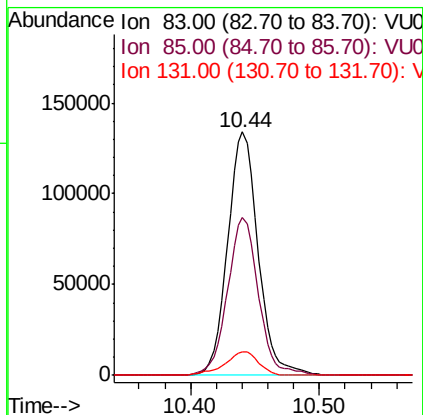
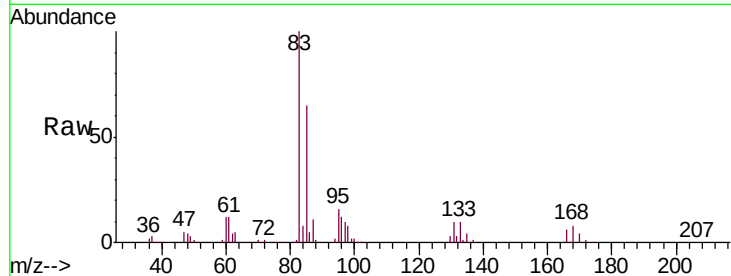




#57
 1,1,2,2-Tetrachloroethane
 Concen: 48.056 ug/L
 RT: 10.44 min Scan# 2908
 Delta R.T. 0.00 min
 Lab File: VU033472.D
 Acq: 29 Jul 2019 13:42

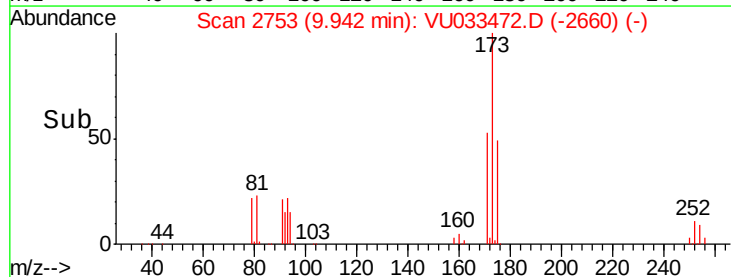
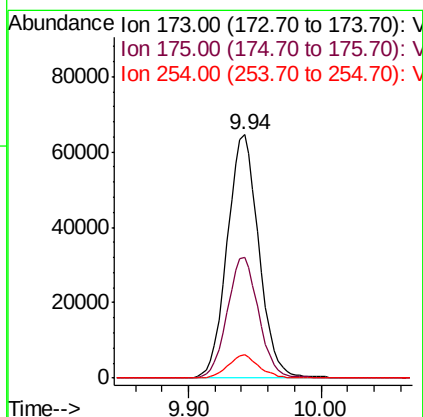
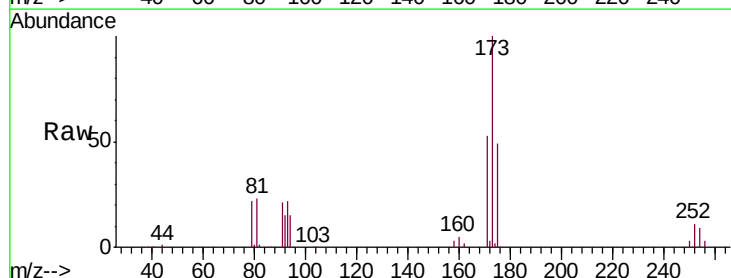
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV32

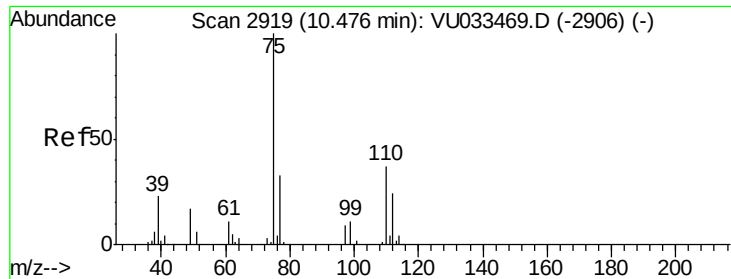
Tgt Ion: 83 Resp: 219800
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.9 85.3
 131 9.9 7.8 11.8



#59
 Bromoform
 Concen: 48.445 ug/L
 RT: 9.94 min Scan# 2753
 Delta R.T. 0.00 min
 Lab File: VU033472.D
 Acq: 29 Jul 2019 13:42

Tgt Ion: 173 Resp: 107049
 Ion Ratio Lower Upper
 173 100
 175 49.1 38.1 57.1
 254 9.3 7.3 10.9





#60

1,2,3-Trichloropropane

Concen: 48.891 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU033472.D

Acq: 29 Jul 2019 13:42

Instrument :

MSVOA_U

ClientSampleId :

VICV32

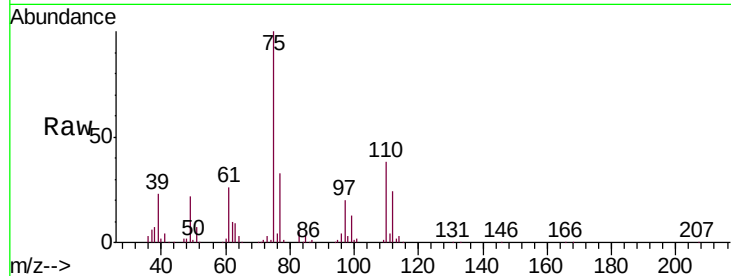
Tgt Ion: 75 Resp: 175952

Ion Ratio Lower Upper

75 100

77 32.7 25.9 38.9

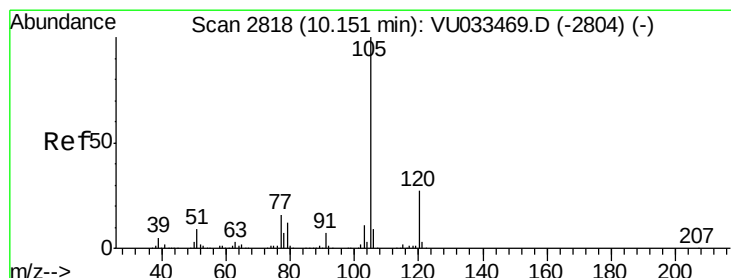
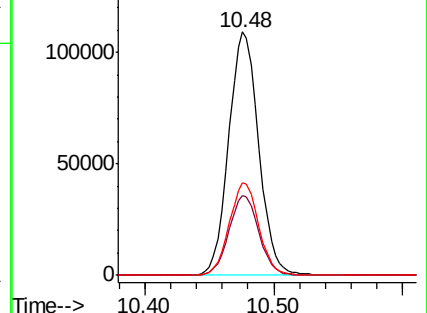
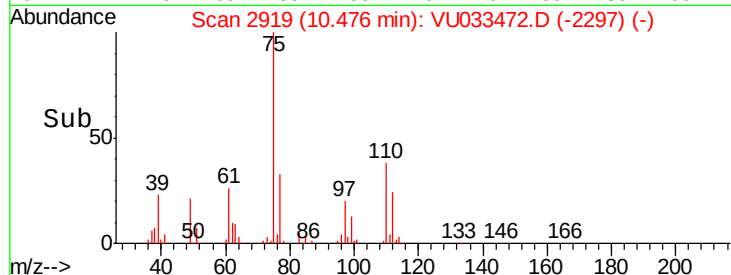
110 37.5 30.2 45.4



Abundance Ion 75.00 (74.70 to 75.70): VU033472.D (-2297) (-)

Ion 77.00 (76.70 to 77.70): VU033472.D (-2297) (-)

Ion 110.00 (109.70 to 110.70): VU033472.D (-2297) (-)



#61

Isopropylbenzene

Concen: 50.893 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033472.D

Acq: 29 Jul 2019 13:42

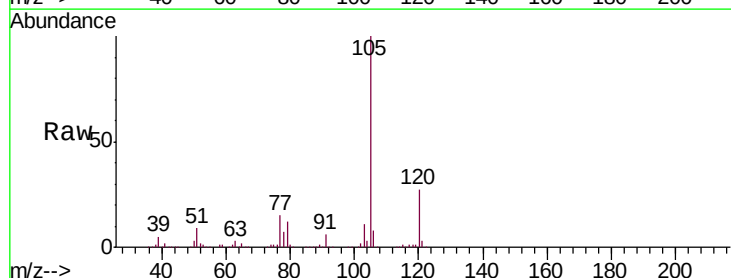
Tgt Ion: 105 Resp: 575836

Ion Ratio Lower Upper

105 100

120 26.8 21.7 32.5

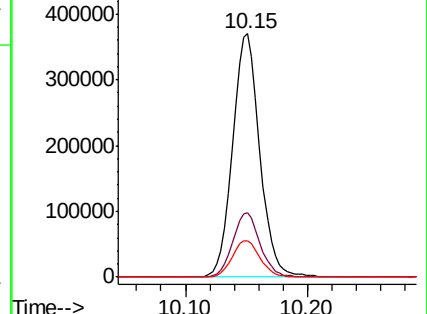
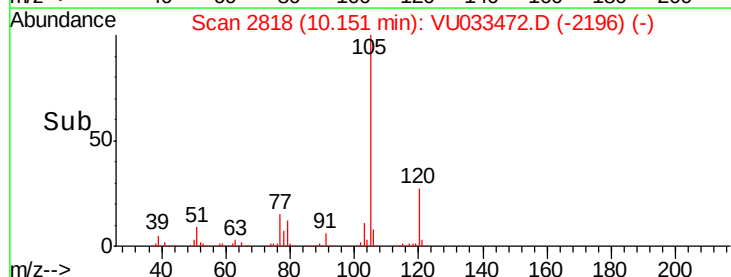
77 15.5 12.6 19.0

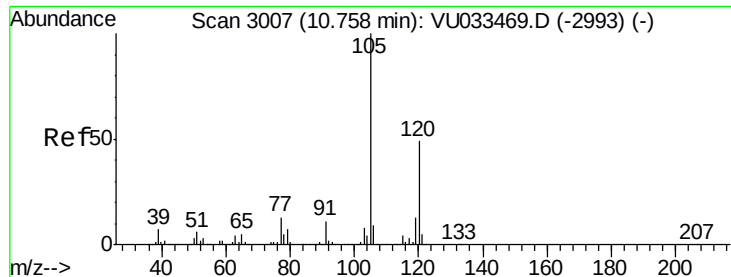


Abundance Ion 105.00 (104.70 to 105.70): VU033472.D (-2196) (-)

Ion 120.00 (119.70 to 120.70): VU033472.D (-2196) (-)

Ion 77.00 (76.70 to 77.70): VU033472.D (-2196) (-)





#62

1,3,5-Trimethylbenzene

Concen: 55.056 ug/L

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033472.D

Acq: 29 Jul 2019 13:42

Instrument :

MSVOA_U

ClientSampleId :

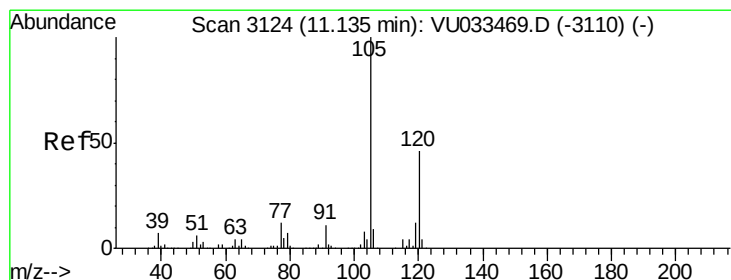
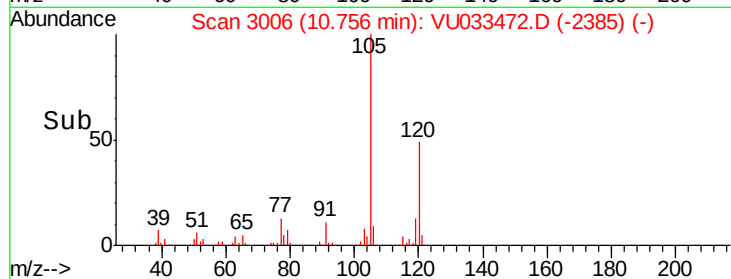
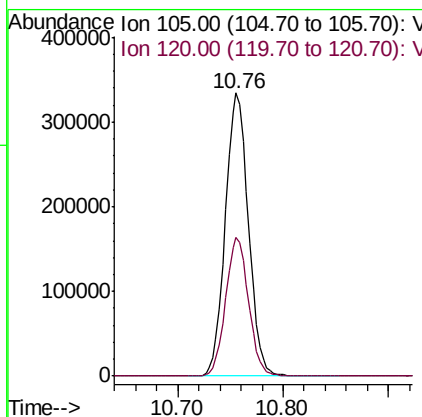
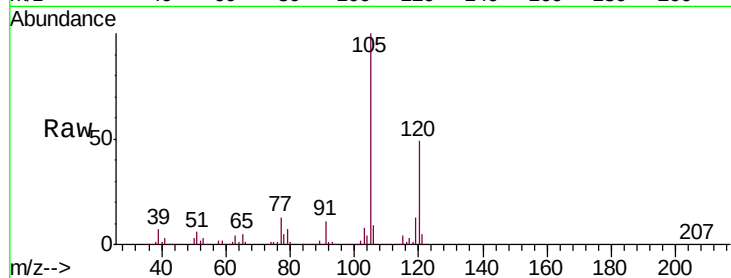
VICV32

Tgt Ion:105 Resp: 504742

Ion Ratio Lower Upper

105 100

120 48.5 39.0 58.6



#63

1,2,4-Trimethylbenzene

Concen: 56.435 ug/L

RT: 11.13 min Scan# 3123

Delta R.T. -0.00 min

Lab File: VU033472.D

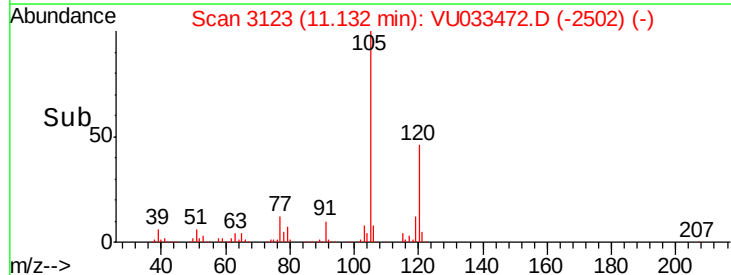
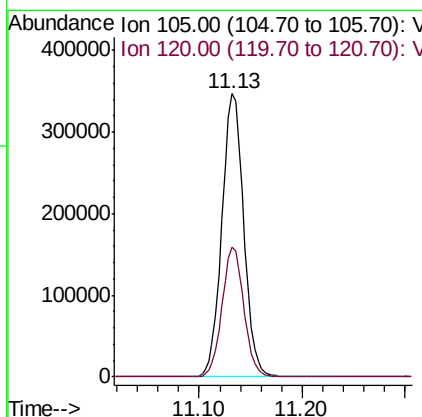
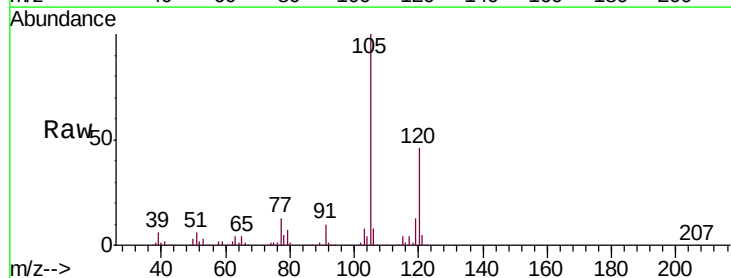
Acq: 29 Jul 2019 13:42

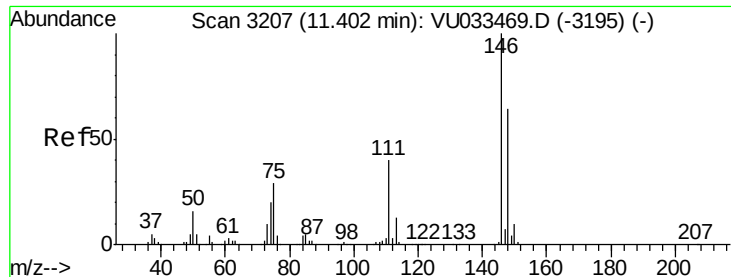
Tgt Ion:105 Resp: 513117

Ion Ratio Lower Upper

105 100

120 45.4 36.6 55.0

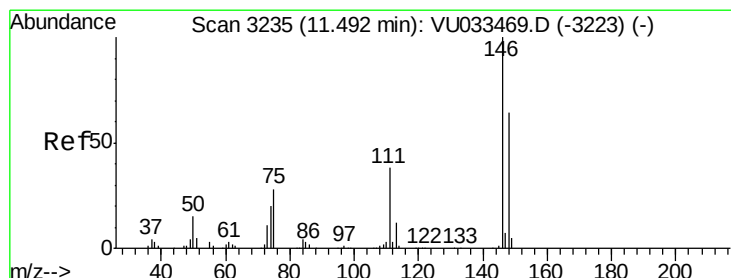
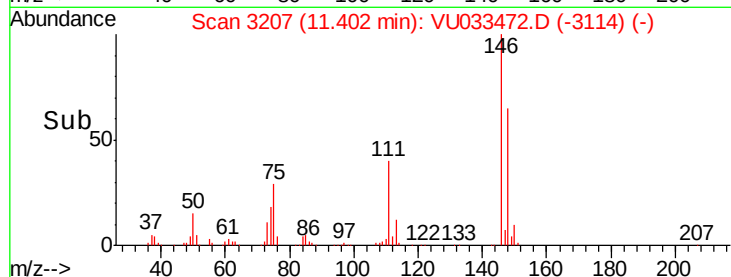
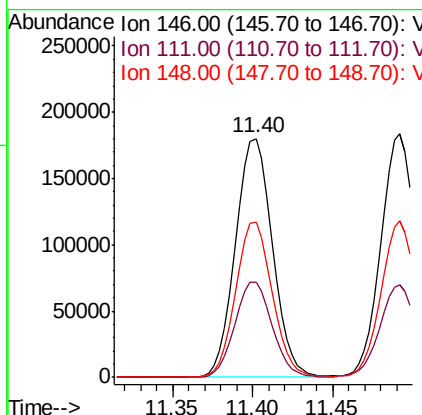
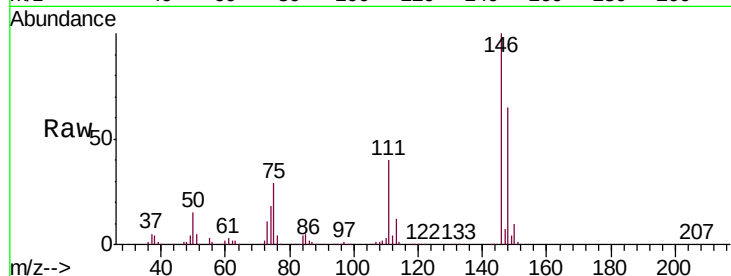




#64
 1,3-Dichlorobenzene
 Concen: 49.352 ug/L
 RT: 11.40 min Scan# 3207
 Delta R.T. 0.00 min
 Lab File: VU033472.D
 Acq: 29 Jul 2019 13:42

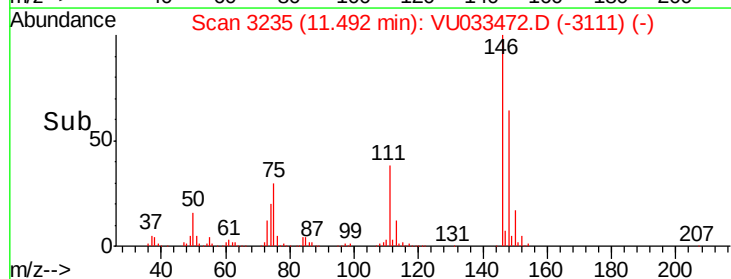
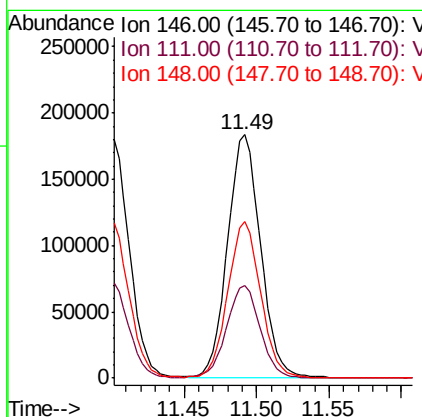
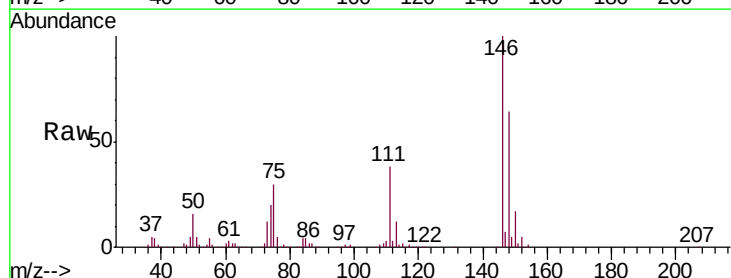
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV32

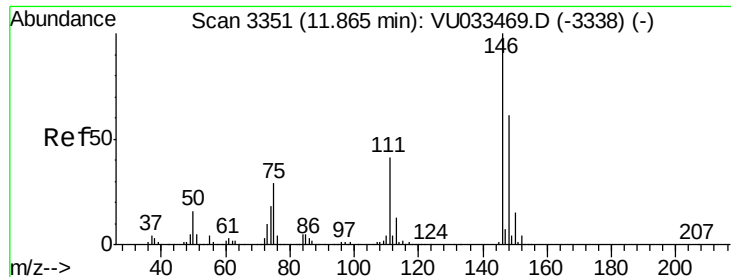
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	28.2	52.4
148	64.9	44.4	82.5



#65
 1,4-Dichlorobenzene
 Concen: 48.499 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU033472.D
 Acq: 29 Jul 2019 13:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	27.0	50.2
148	64.1	44.7	82.9

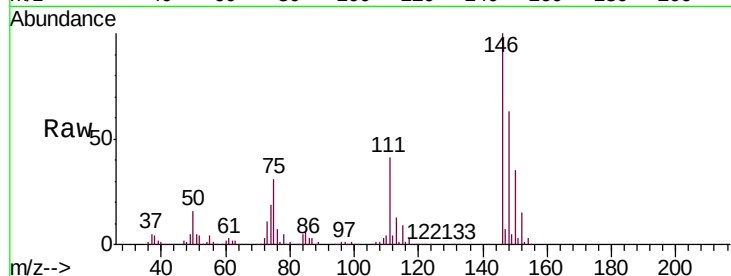




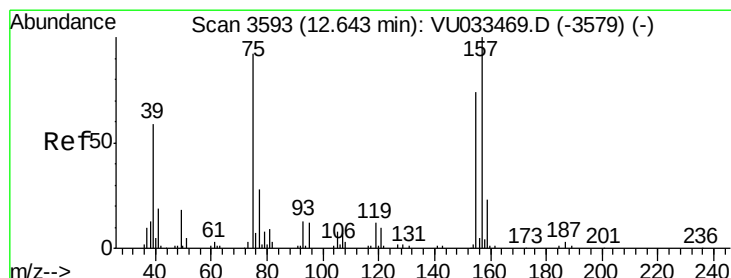
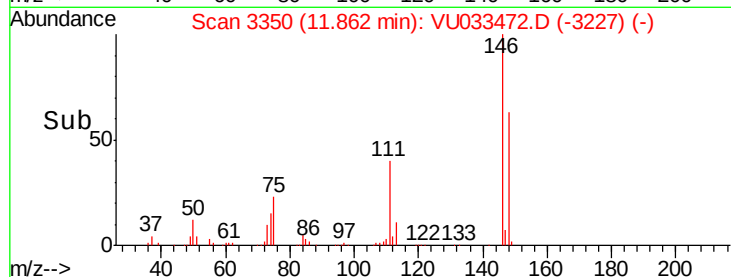
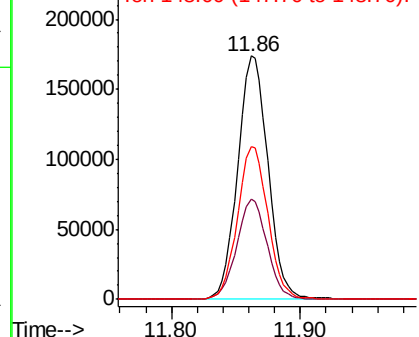
#67
 1,2-Dichlorobenzene
 Concen: 49.111 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU033472.D
 Acq: 29 Jul 2019 13:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV32

Tgt Ion: 146 Resp: 283779
 Ion Ratio Lower Upper
 146 100
 111 41.1 32.8 49.2
 148 62.8 49.2 73.8

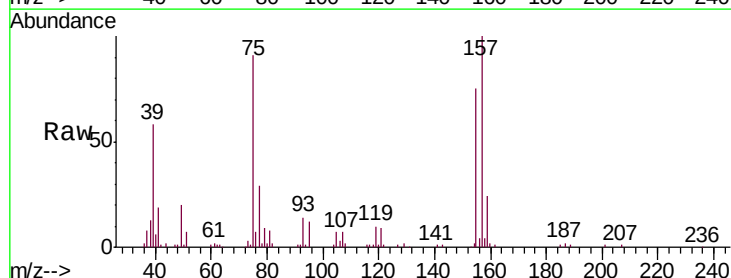


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

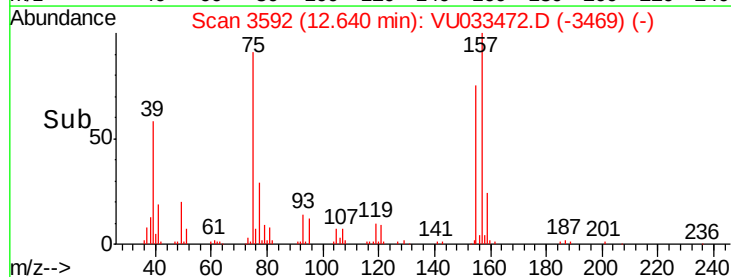
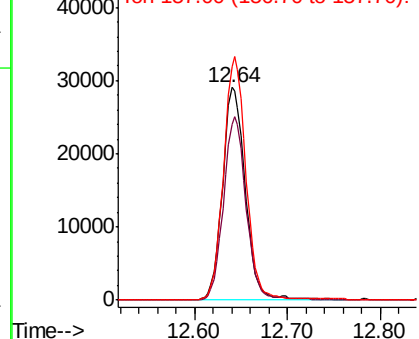


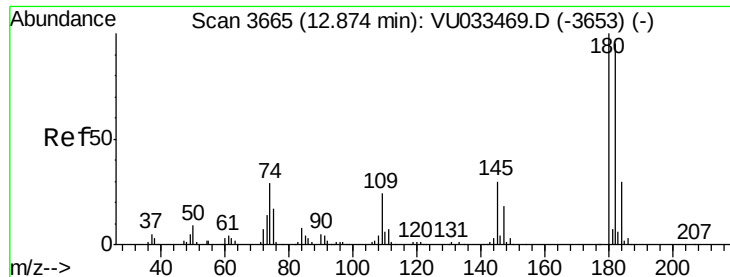
#68
 1,2-Dibromo-3-chloropropane
 Concen: 49.763 ug/L
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU033472.D
 Acq: 29 Jul 2019 13:42

Tgt Ion: 75 Resp: 49791
 Ion Ratio Lower Upper
 75 100
 155 83.0 64.8 97.2
 157 110.1 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

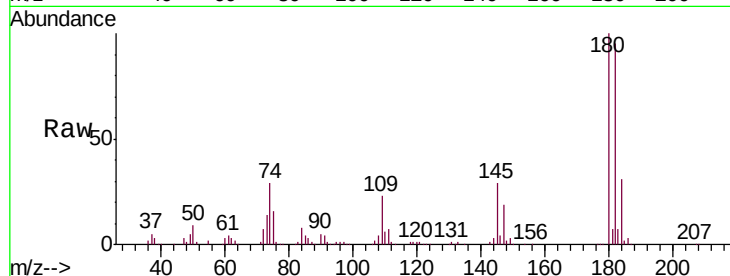




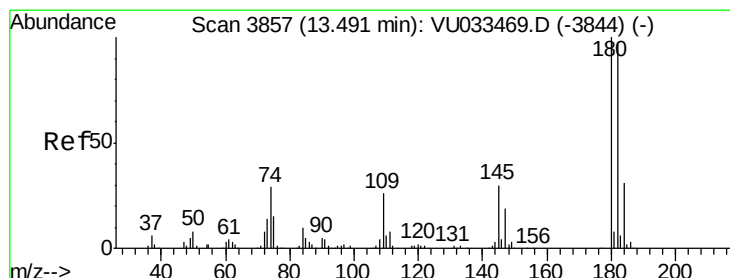
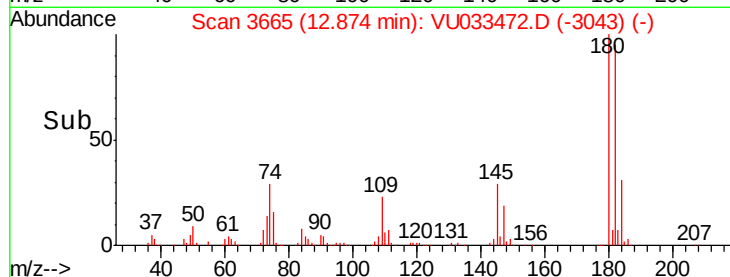
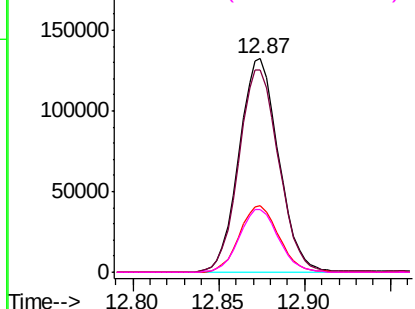
#69
 1,3,5-Trichlorobenzene
 Concen: 48.446 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.00 min
 Lab File: VU033472.D
 Acq: 29 Jul 2019 13:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV32

Tgt Ion:	180	Resp:	212144
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.2	114.4
184	31.2	24.1	36.1
145	29.3	23.7	35.5

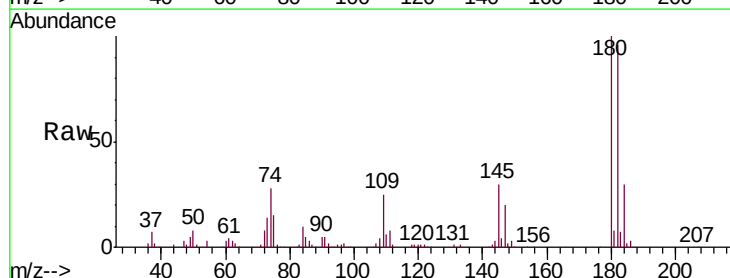


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

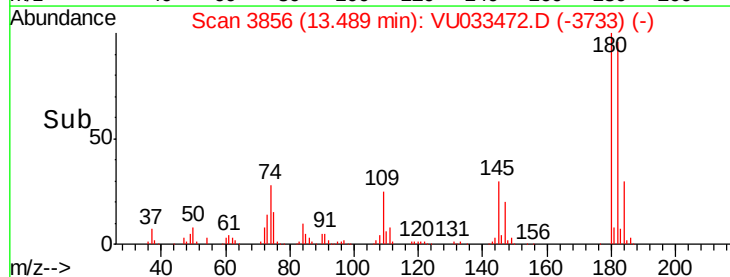
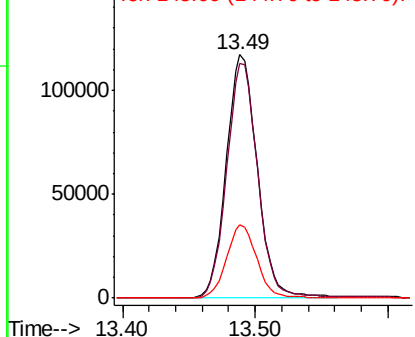


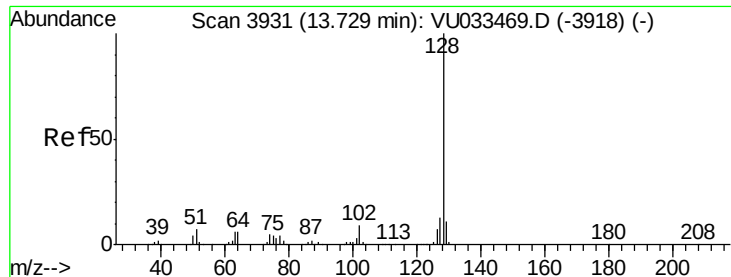
#70
 1,2,4-trichlorobenzene
 Concen: 52.334 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. -0.00 min
 Lab File: VU033472.D
 Acq: 29 Jul 2019 13:42

Tgt Ion:	180	Resp:	191270
Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.5	116.3
145	29.3	23.9	35.9



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

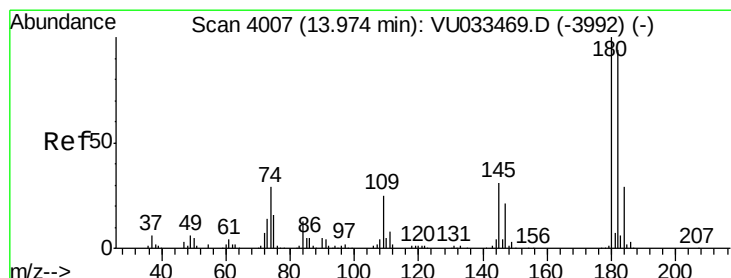
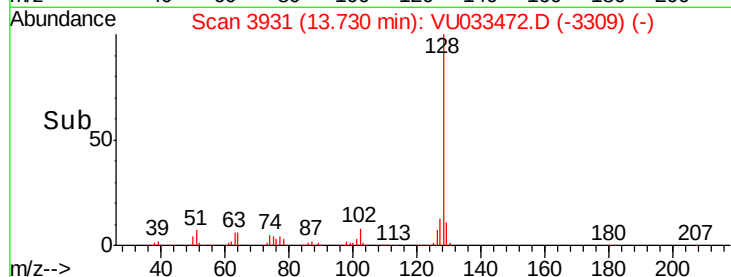
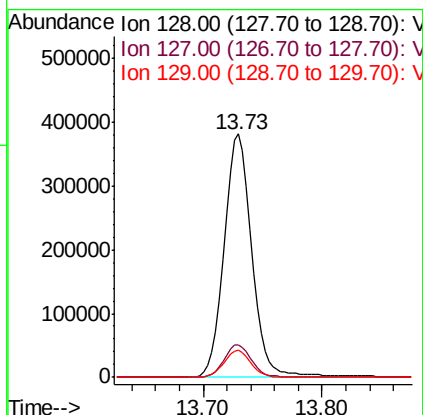
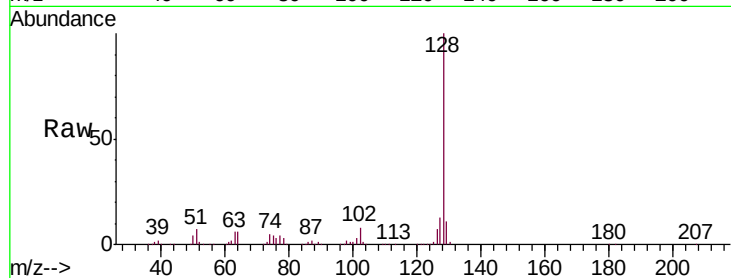




#71
Naphthalene
Concen: 58.154 ug/L
RT: 13.73 min Scan# 3931
Delta R.T. 0.00 min
Lab File: VU033472.D
Acq: 29 Jul 2019 13:42

Instrument :
MSVOA_U
ClientSampled :
VICV32

Tgt Ion:128 Resp: 614573
Ion Ratio Lower Upper
128 100
127 13.3 10.8 16.2
129 10.8 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 52.566 ug/L
RT: 13.97 min Scan# 4007
Delta R.T. 0.00 min
Lab File: VU033472.D
Acq: 29 Jul 2019 13:42

Tgt Ion:180 Resp: 201243
Ion Ratio Lower Upper
180 100
182 95.6 76.4 114.6
145 31.3 24.9 37.3

