

Data File : VU033479.D
Acq On : 29 Jul 2019 20:01
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

Quant Time: Jul 30 04:18:10 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	311412	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	319573	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	168134	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	122035	43.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.32%
7) Chloroethane-d5	1.67	69	106634	45.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.28%
11) 1,1-Dichloroethene-d2	2.26	63	224367	43.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.78%
21) 2-Butanone-d5	4.15	46	150328	92.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.78%
24) Chloroform-d	4.62	84	194079	45.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.72%
26) 1,2-Dichloroethane-d4	5.29	65	125285	45.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.78%
32) Benzene-d6	5.32	84	397643	46.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.70%
36) 1,2-Dichloropropane-d6	6.31	67	124149	46.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.30%
41) Toluene-d8	7.55	98	374955	46.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.98%
43) trans-1,3-Dichloropropene-	7.83	79	59698	45.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.82%
47) 2-Hexanone-d5	8.30	63	110142	99.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.64%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	193006	47.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.52%
66) 1,2-Dichlorobenzene-d4	11.85	152	151524	46.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	145945	46.972	ug/L	100
3) Chloromethane	1.32	50	143140	46.143	ug/L	100
5) Vinyl chloride	1.40	62	167842	47.312	ug/L	100
6) Bromomethane	1.61	94	101834	41.072	ug/L	100
8) Chloroethane	1.68	64	102465	47.086	ug/L	97
9) Trichlorofluoromethane	1.87	101	222106	47.734	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	107150	45.826	ug/L	99
12) 1,1-Dichloroethene	2.27	96	103941	45.622	ug/L	95
13) Acetone	2.31	43	125701	78.277	ug/L	99
14) Carbon disulfide	2.46	76	309980	45.666	ug/L	100
15) Methyl Acetate	2.60	43	123374	47.907	ug/L	100
16) Methylene chloride	2.68	84	119285	47.656	ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	104754	46.288	ug/L	98
18) Methyl tert-butyl Ether	2.98	73	323750	48.479	ug/L	99
19) 1,1-Dichloroethane	3.42	63	204397	47.970	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	119796	47.961	ug/L	96
22) 2-Butanone	4.23	43	179595	94.124	ug/L	98

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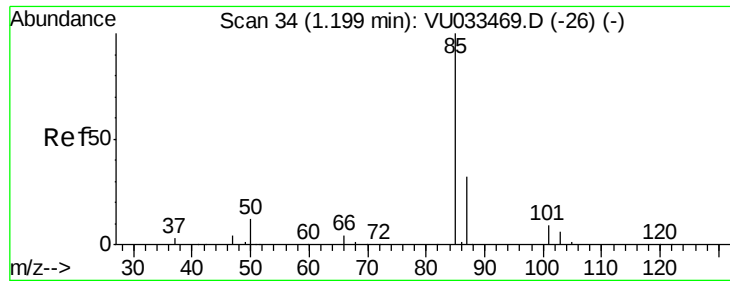
Quant Time: Jul 30 04:18:10 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	62646	47.222	ug/L	98
25) Chloroform	4.65	83	219704	48.632	ug/L	100
27) 1,2-Dichloroethane	5.38	62	167059	47.619	ug/L	100
29) Cyclohexane	4.97	56	168445	47.977	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	180741	47.500	ug/L	99
31) Carbon tetrachloride	5.11	117	159214	47.005	ug/L	100
33) Benzene	5.37	78	462014	48.369	ug/L	100
34) Trichloroethene	6.16	95	116138	46.667	ug/L	99
35) Methylcyclohexane	6.40	83	175518	46.382	ug/L	99
37) 1,2-Dichloropropane	6.41	63	122852	47.821	ug/L	99
38) Bromodichloromethane	6.74	83	159975	47.304	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	187132	48.849	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	334722	98.866	ug/L	99
42) Toluene	7.62	91	508230	49.443	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	167672	48.223	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	118591	48.401	ug/L	99
46) Tetrachloroethene	8.21	164	95220	47.017	ug/L	97
48) 2-Hexanone	8.34	43	273020	98.985	ug/L	99
49) Dibromochloromethane	8.46	129	131741	48.021	ug/L	98
50) 1,2-Dibromoethane	8.57	107	126521	47.599	ug/L	100
51) Chlorobenzene	9.10	112	321183	47.027	ug/L	99
52) Ethylbenzene	9.23	91	541872	48.630	ug/L	99
53) m,p-Xylene	9.36	106	211433	50.459	ug/L	100
54) o-xylene	9.76	106	209703	51.043	ug/L	95
55) Styrene	9.77	104	354023	50.780	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.44	83	208698	47.912	ug/L	100
59) Bromoform	9.94	173	97468	46.342	ug/L	99
60) 1,2,3-Trichloropropane	10.48	75	162218	47.357	ug/L	100
61) Isopropylbenzene	10.15	105	532019	49.402	ug/L	99
62) 1,3,5-Trimethylbenzene	10.76	105	443654	50.843	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	448442	51.819	ug/L	99
64) 1,3-Dichlorobenzene	11.40	146	256992	46.817	ug/L	99
65) 1,4-Dichlorobenzene	11.49	146	261215	46.063	ug/L	99
67) 1,2-Dichlorobenzene	11.86	146	259040	47.100	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.64	75	46274	48.590	ug/L	95
69) 1,3,5-Trichlorobenzene	12.87	180	190616	45.734	ug/L	99
70) 1,2,4-trichlorobenzene	13.49	180	163231	46.923	ug/L	99
71) Naphthalene	13.73	128	492963	49.009	ug/L	100
72) 1,2,3-Trichlorobenzene	13.97	180	173977	47.745	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 46.972 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033479.D

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Instrument :

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ClientSampleId :

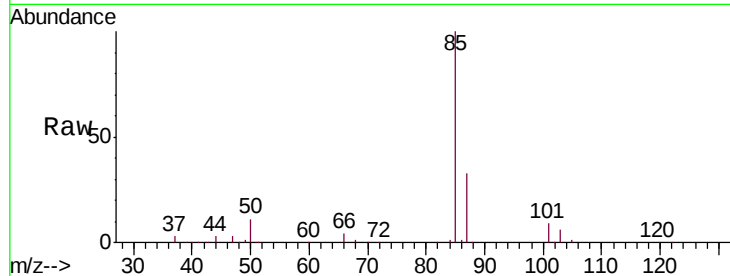
VSTD05060

Tgt Ion: 85 Resp: 145945

Ion Ratio Lower Upper

85 100

87 32.1 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

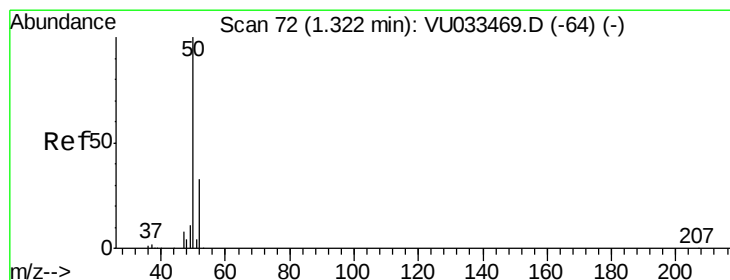
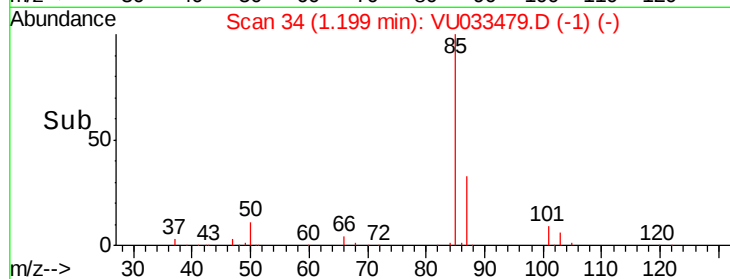
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 46.143 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033479.D

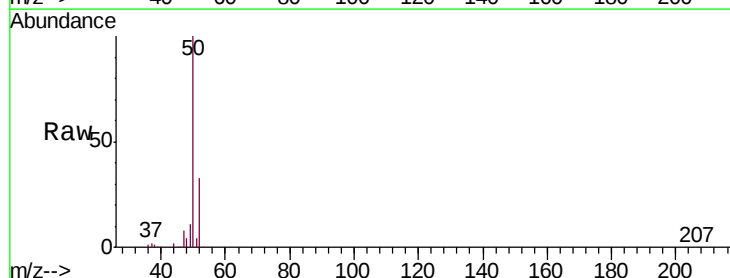
Acq: 29 Jul 2019 20:01

Tgt Ion: 50 Resp: 143140

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

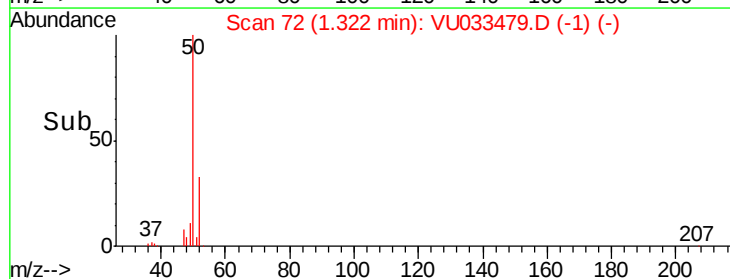
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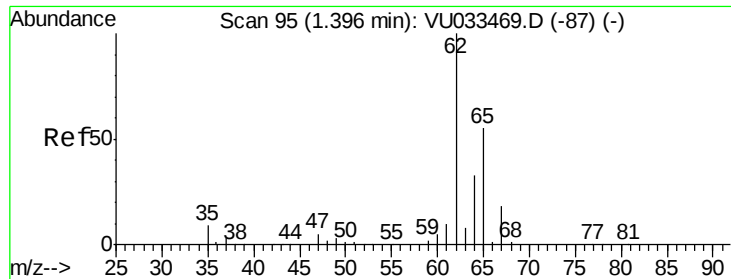
100000

50000

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Time-->





#5

Vinyl chloride

Concen: 47.312 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033479.D

Acq: 29 Jul 2019 20:01

Instrument :

MSVOA_U

ClientSampleId :

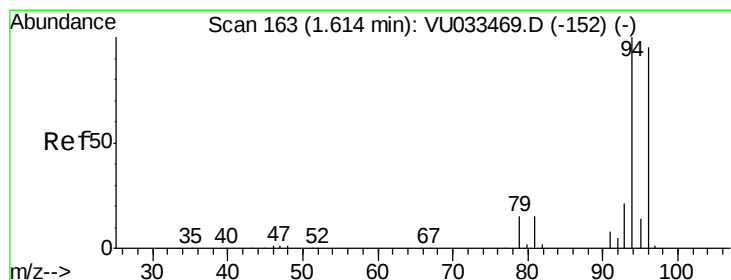
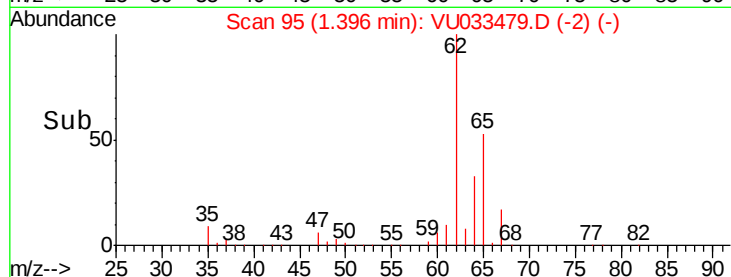
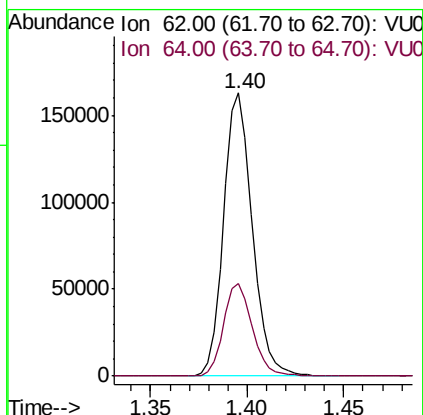
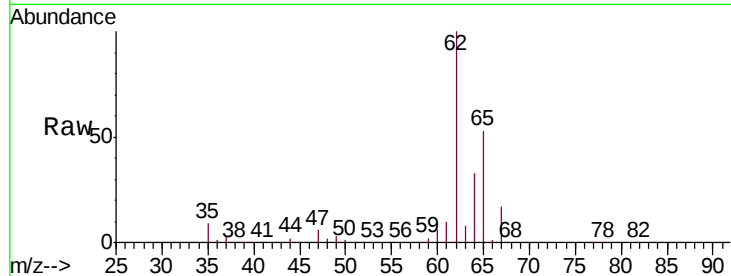
VSTD05060

Tgt Ion: 62 Resp: 167842

Ion Ratio Lower Upper

62 100

64 32.6 23.0 42.6



#6

Bromomethane

Concen: 41.072 ug/L

RT: 1.61 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU033479.D

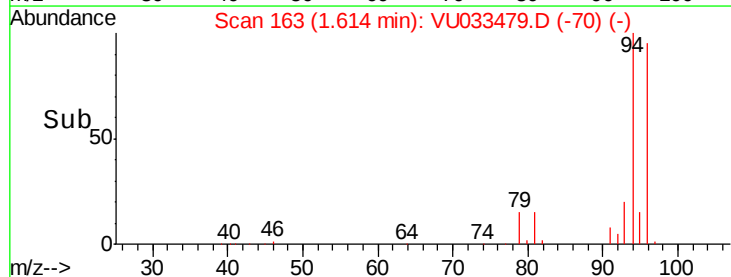
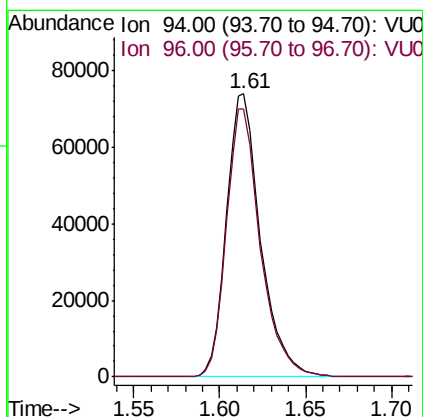
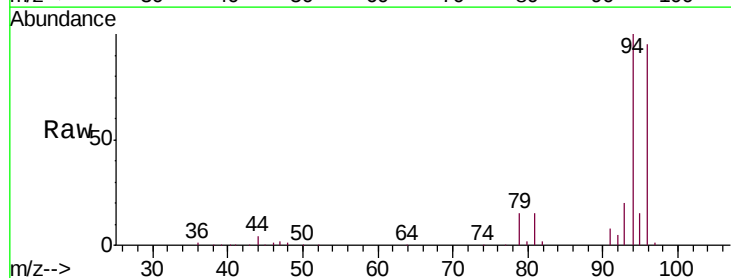
Acq: 29 Jul 2019 20:01

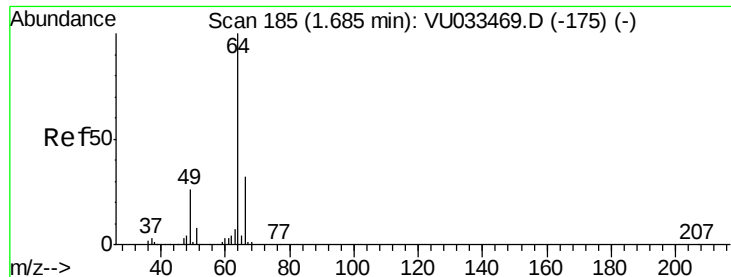
Tgt Ion: 94 Resp: 101834

Ion Ratio Lower Upper

94 100

96 94.9 66.2 123.0





#8

Chloroethane

Concen: 47.086 ug/L

RT: 1.68 min Scan# 185

Delta R.T. 0.00 min

Lab File: VU033479.D

Acq: 29 Jul 2019 20:01

Instrument :

MSVOA_U

ClientSampleId :

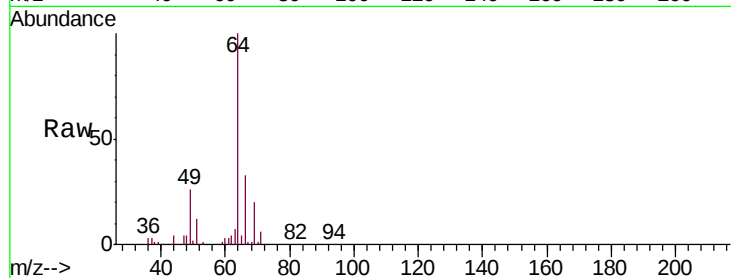
VSTD05060

Tgt Ion: 64 Resp: 102465

Ion Ratio Lower Upper

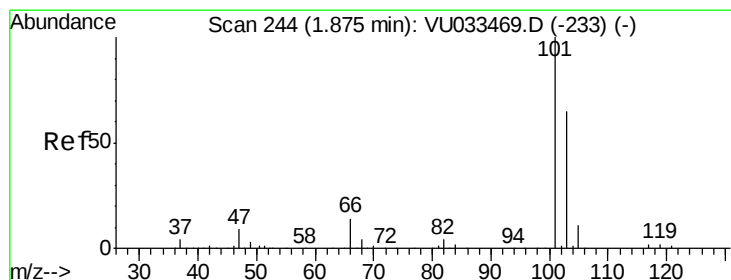
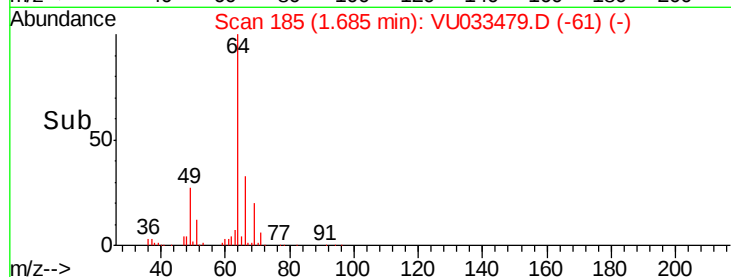
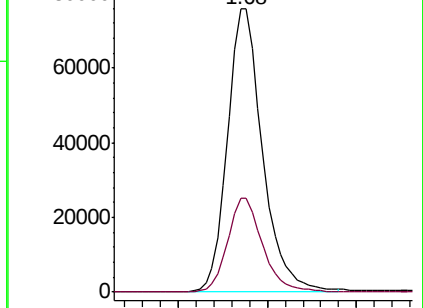
64 100

66 33.1 22.1 41.1



Abundance Ion 64.00 (63.70 to 64.70): VU033469.D (-175) (-)

Ion 66.00 (65.70 to 66.70): VU033469.D (-175) (-)



#9

Trichlorofluoromethane

Concen: 47.734 ug/L

RT: 1.87 min Scan# 243

Delta R.T. -0.00 min

Lab File: VU033479.D

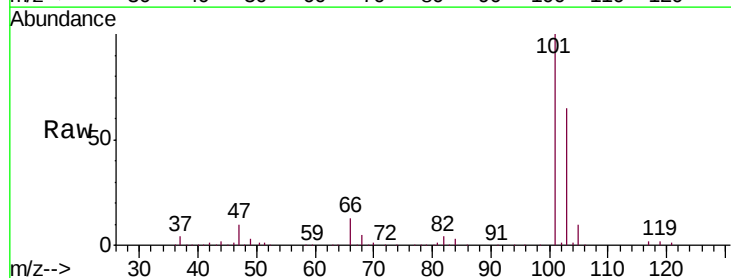
Acq: 29 Jul 2019 20:01

Tgt Ion: 101 Resp: 222106

Ion Ratio Lower Upper

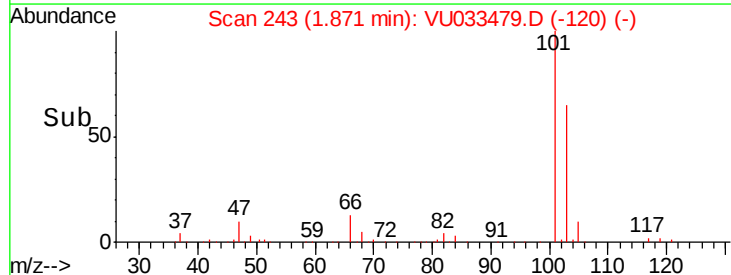
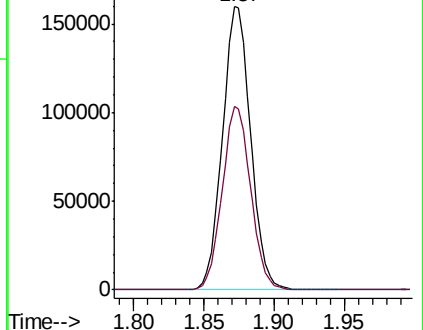
101 100

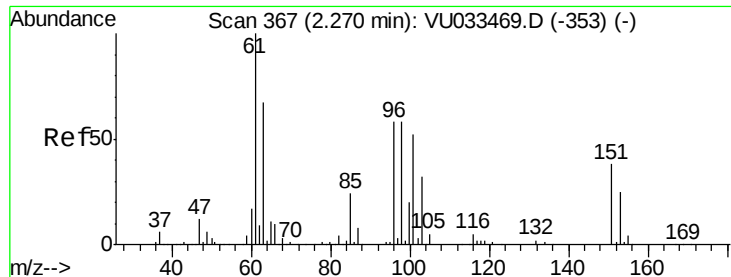
103 65.3 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU033469.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU033469.D (-233) (-)





#10

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

Concen: 45.826 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033479.D

Acq: 29 Jul 2019 20:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

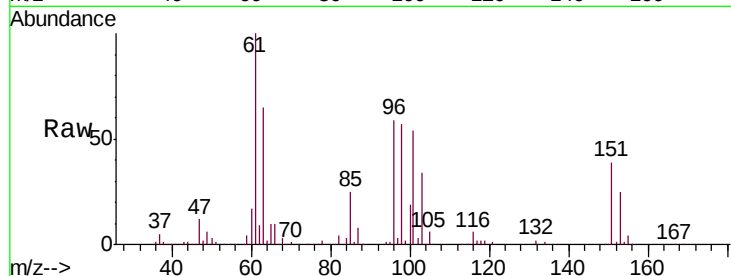
Tgt Ion: 101 Resp: 107150

Ion Ratio Lower Upper

101 100

85 44.6 35.8 53.8

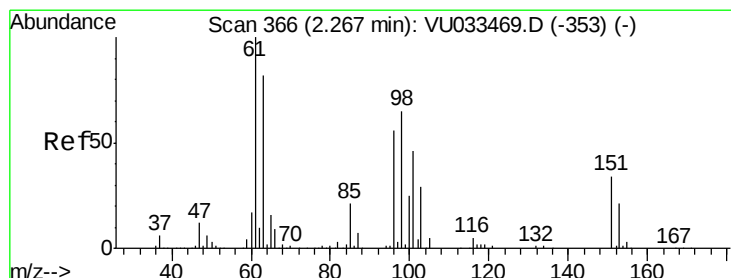
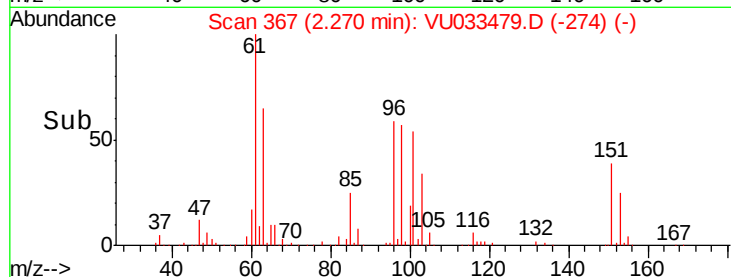
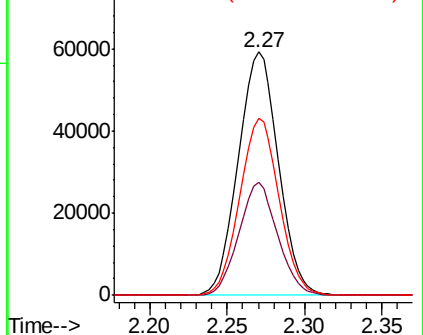
151 71.4 58.6 87.8



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: 45.622 ug/L

RT: 2.27 min Scan# 366

Delta R.T. 0.00 min

Lab File: VU033479.D

Acq: 29 Jul 2019 20:01

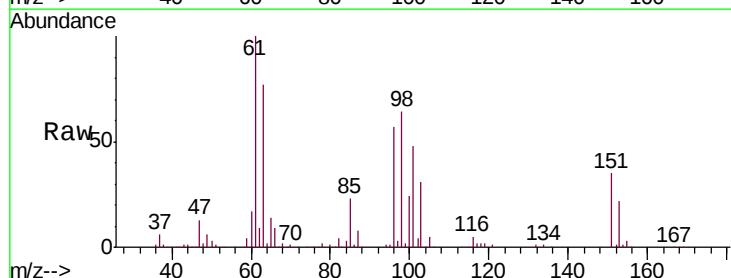
Tgt Ion: 96 Resp: 103941

Ion Ratio Lower Upper

96 100

61 174.5 124.1 230.5

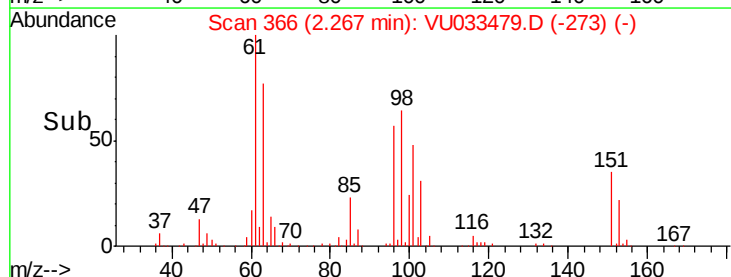
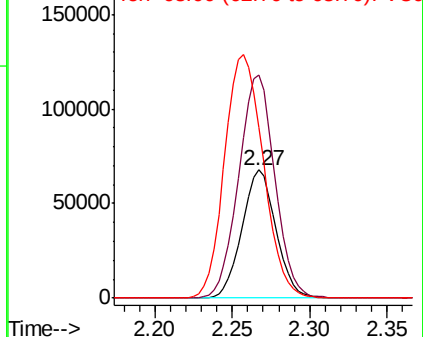
63 134.0 101.8 189.2

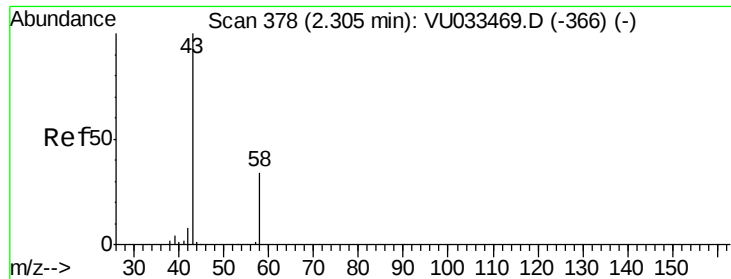


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

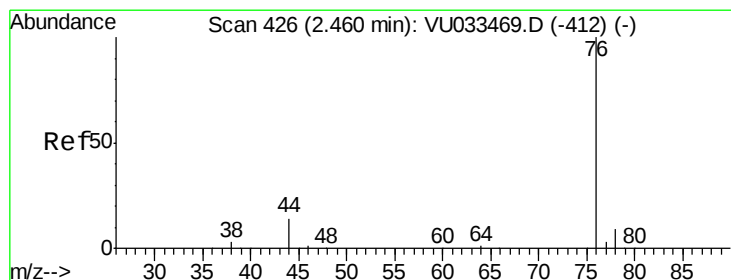
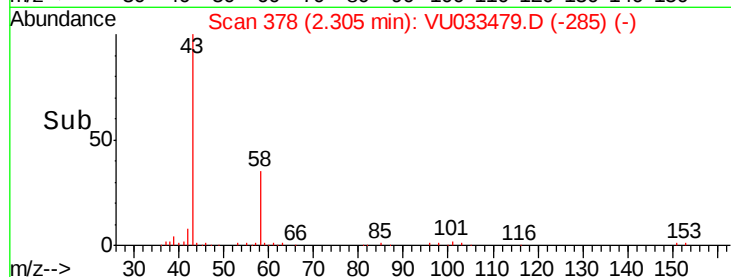
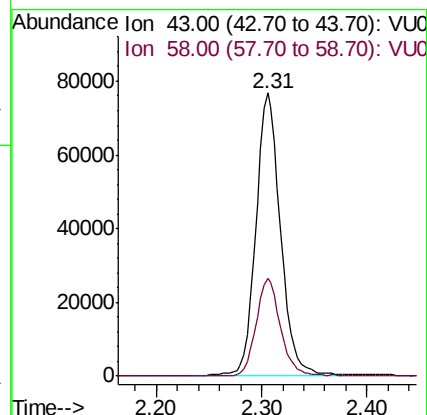
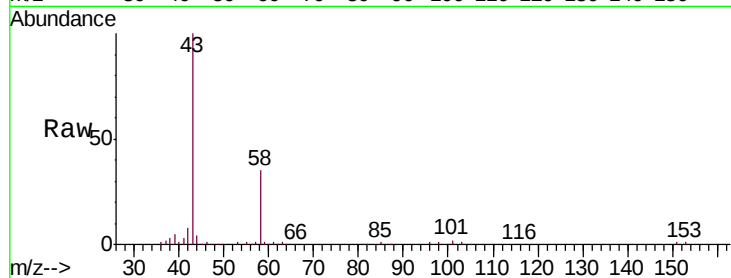




#13
Acetone
Concen: 78.277 ug/L
RT: 2.31 min Scan# 378
Delta R.T. 0.00 min
Lab File: VU033479.D
Acq: 29 Jul 2019 20:01

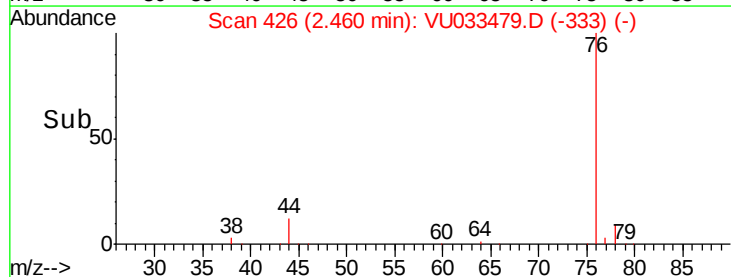
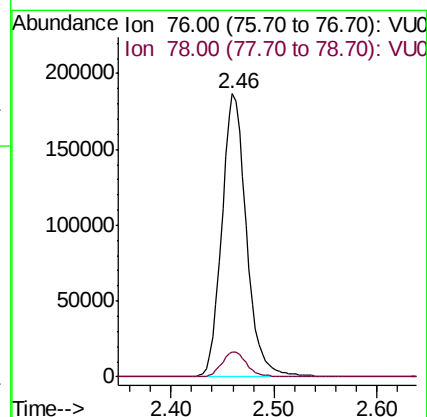
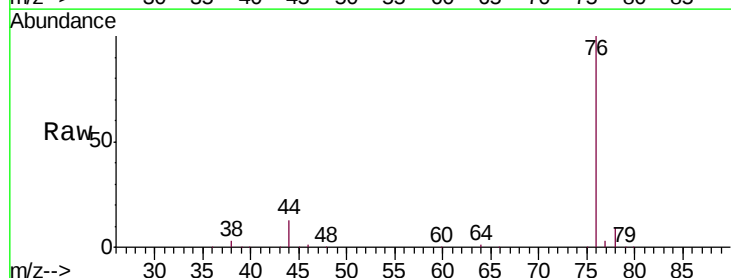
Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

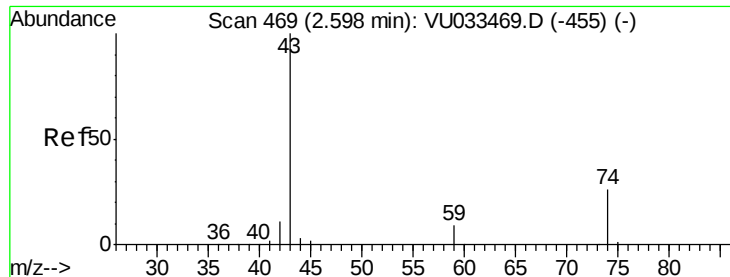
Tgt Ion: 43 Resp: 125701
Ion Ratio Lower Upper
43 100
58 33.3 0.0 67.4



#14
Carbon disulfide
Concen: 45.666 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VU033479.D
Acq: 29 Jul 2019 20:01

Tgt Ion: 76 Resp: 309980
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8

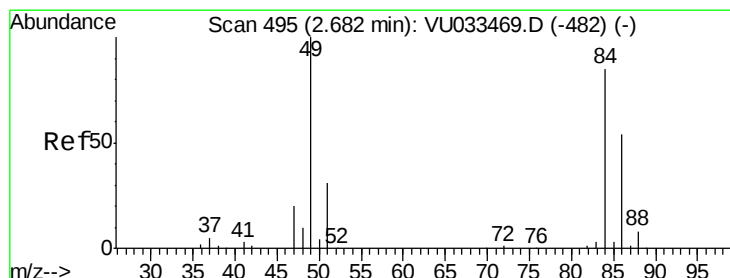
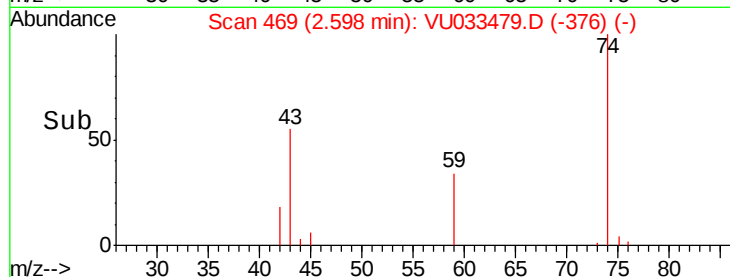
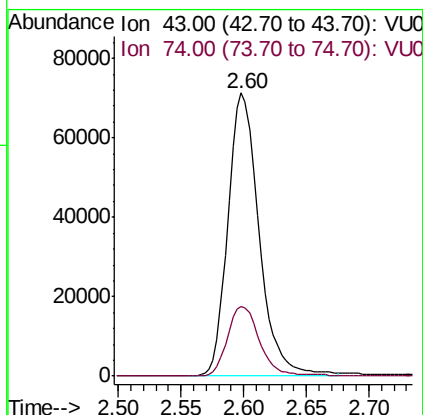
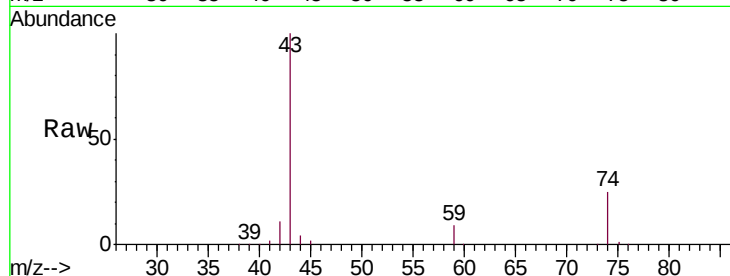




#15
Methyl Acetate
Concen: 47.907 ug/L
RT: 2.60 min Scan# 469
Delta R.T. 0.00 min
Lab File: VU033479.D
Acq: 29 Jul 2019 20:01

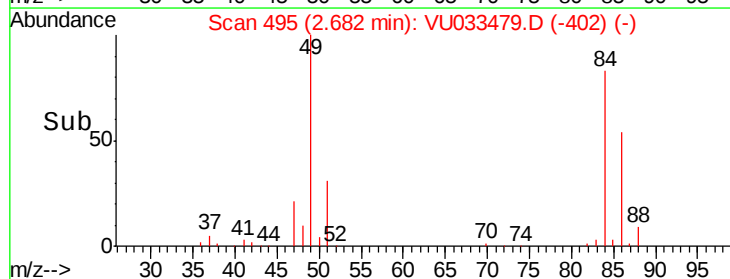
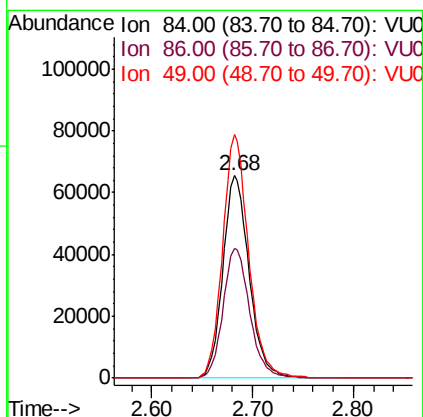
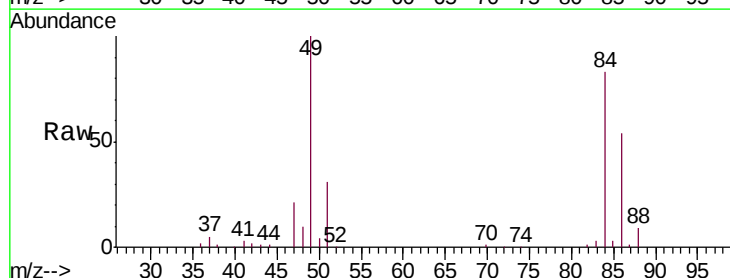
Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

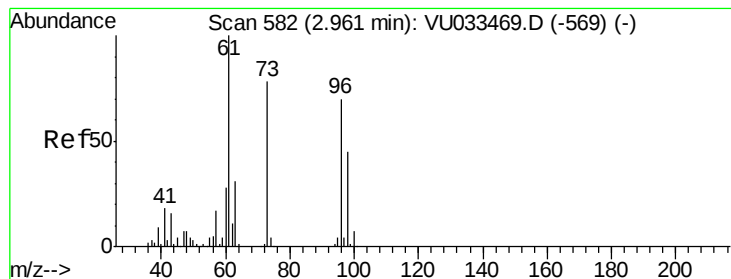
Tgt Ion: 43 Resp: 123374
Ion Ratio Lower Upper
43 100
74 25.6 20.5 30.7



#16
Methylene chloride
Concen: 47.656 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033479.D
Acq: 29 Jul 2019 20:01

Tgt Ion: 84 Resp: 119285
Ion Ratio Lower Upper
84 100
86 64.3 44.2 82.0
49 120.2 82.3 152.8





#17

trans-1,2-Dichloroethene

Concen: 46.288 ug/L

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU033479.D

Acq: 29 Jul 2019 20:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

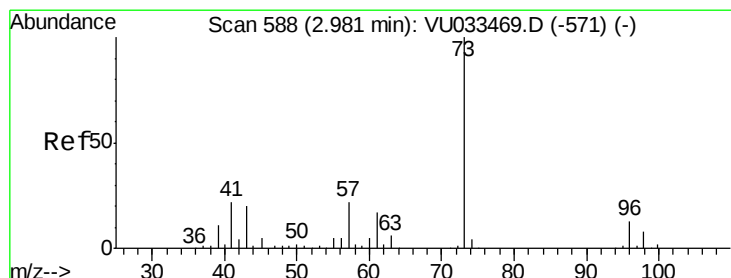
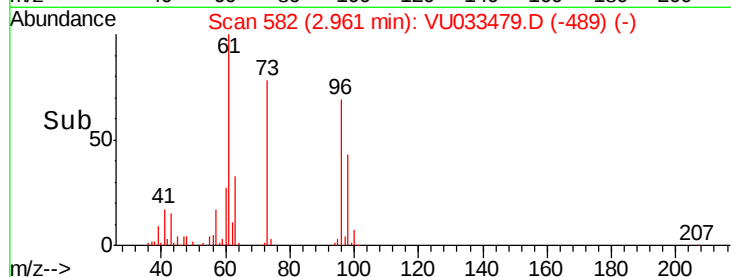
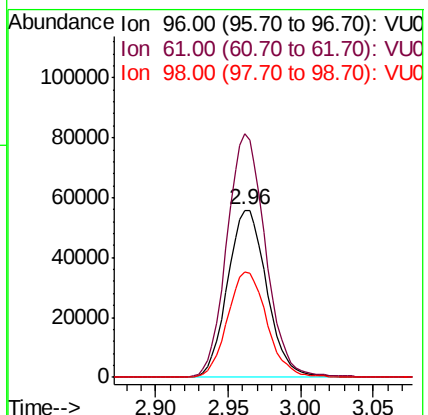
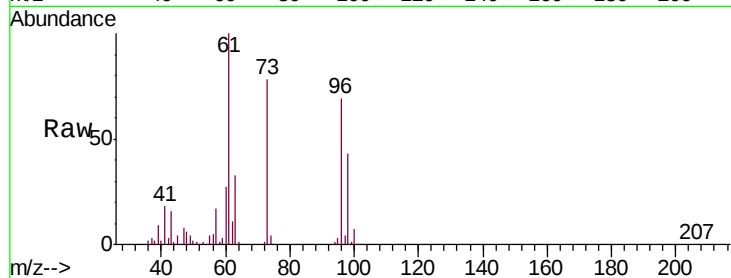
Tgt Ion: 96 Resp: 104754

Ion Ratio Lower Upper

96 100

61 145.5 100.3 186.3

98 63.3 45.1 83.9



#18

Methyl tert-butyl Ether

Concen: 48.479 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU033479.D

Acq: 29 Jul 2019 20:01

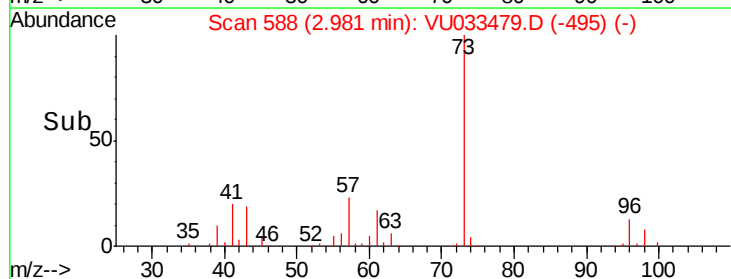
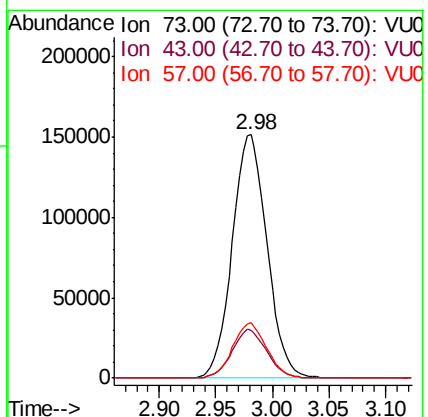
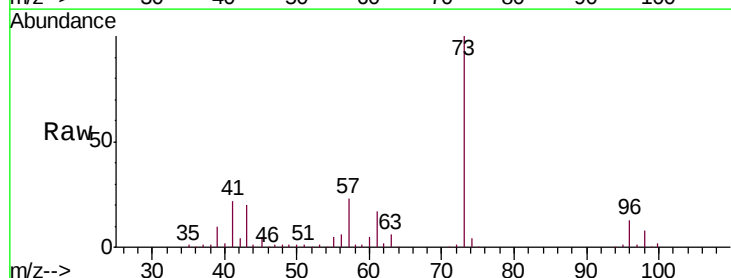
Tgt Ion: 73 Resp: 323750

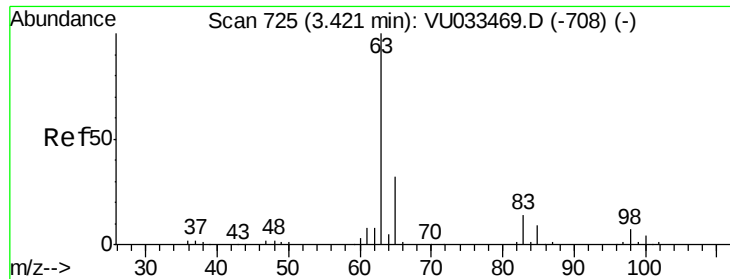
Ion Ratio Lower Upper

73 100

43 20.0 15.3 22.9

57 22.3 17.7 26.5

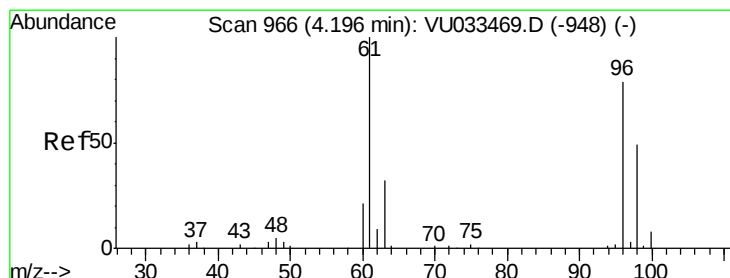
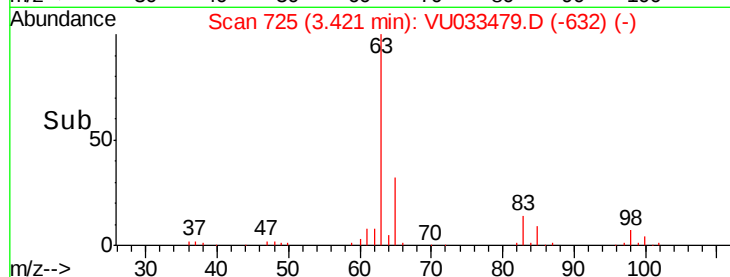
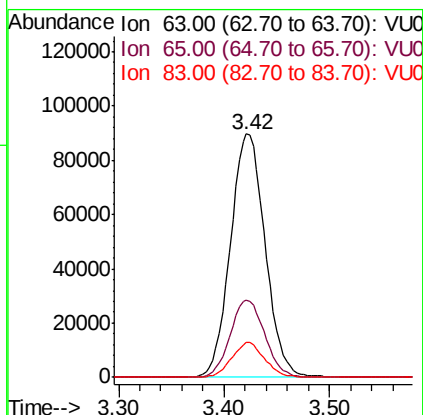
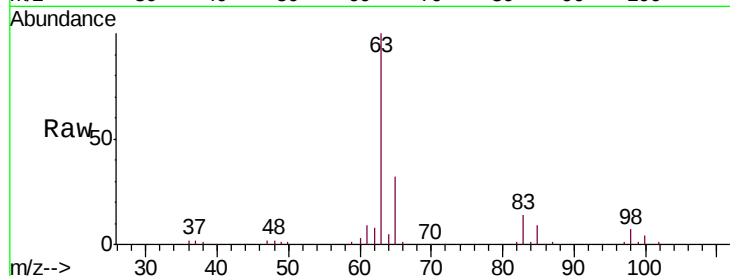




#19
 1,1-Dichloroethane
 Concen: 47.970 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033479.D
 Acq: 29 Jul 2019 20:01

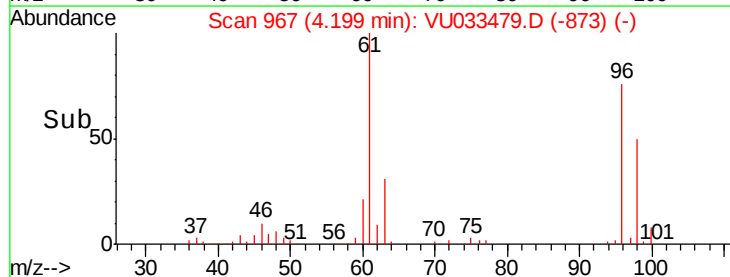
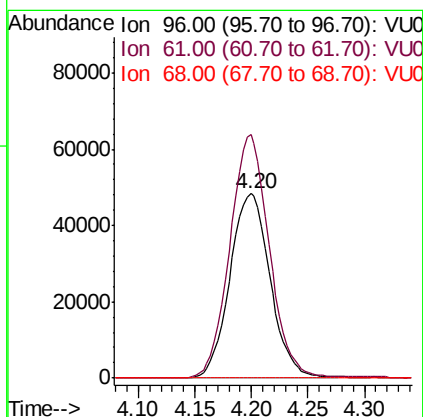
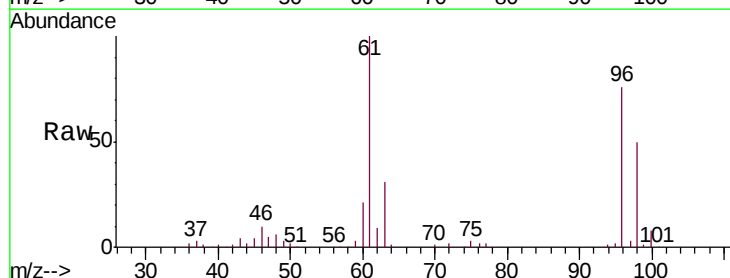
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

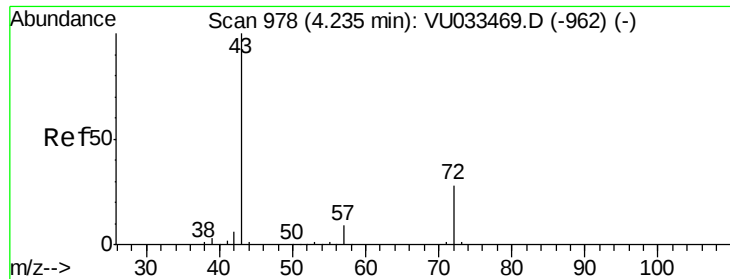
Tgt Ion: 63 Resp: 204397
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.7 42.1
 83 14.2 9.4 17.6



#20
 cis-1,2-Dichloroethene
 Concen: 47.961 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033479.D
 Acq: 29 Jul 2019 20:01

Tgt Ion: 96 Resp: 119796
 Ion Ratio Lower Upper
 96 100
 61 132.1 88.9 165.1
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 94.124 ug/L

RT: 4.23 min Scan# 978

Delta R.T. 0.00 min

Lab File: VU033479.D

Acq: 29 Jul 2019 20:01

Instrument :

MSVOA_U

ClientSampleId :

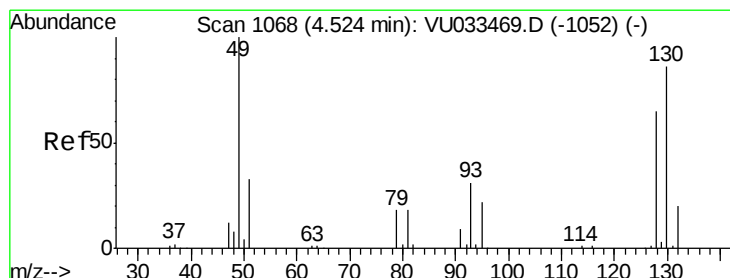
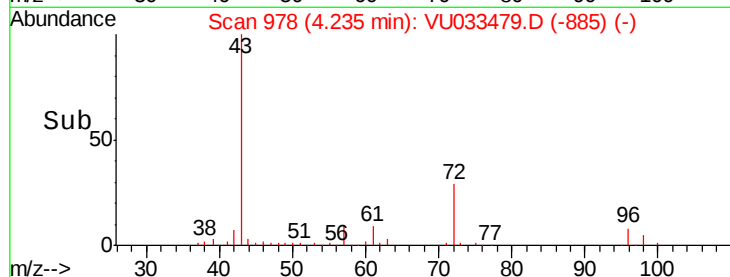
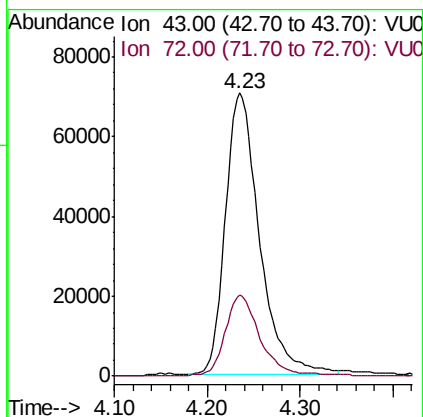
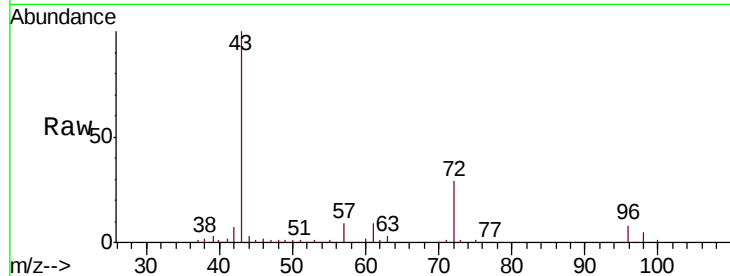
VSTD05060

Tgt Ion: 43 Resp: 179595

Ion Ratio Lower Upper

43 100

72 29.0 14.1 42.3



#23

Bromochloromethane

Concen: 47.222 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU033479.D

Acq: 29 Jul 2019 20:01

Tgt Ion: 128 Resp: 62646

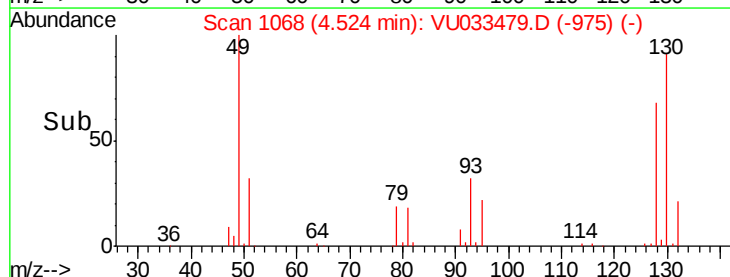
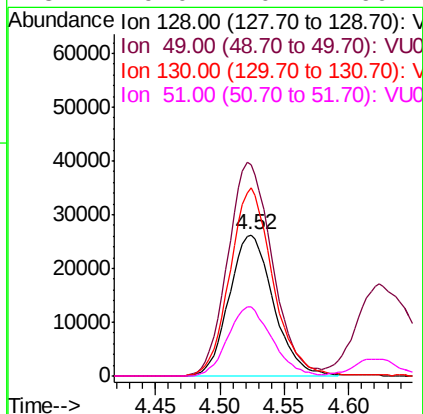
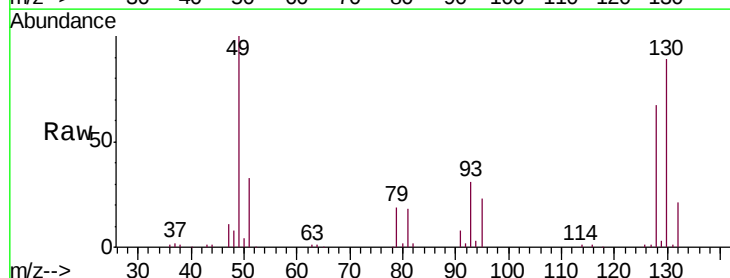
Ion Ratio Lower Upper

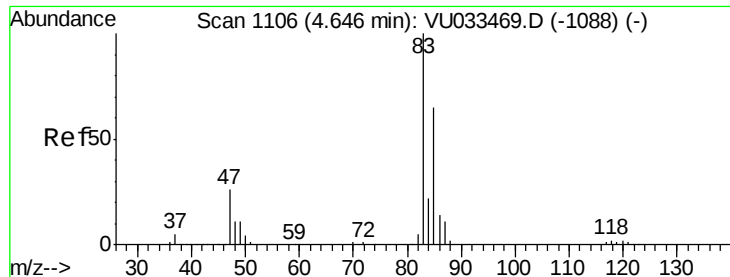
128 100

49 150.2 108.0 200.6

130 133.1 92.9 172.5

51 49.0 40.2 60.4

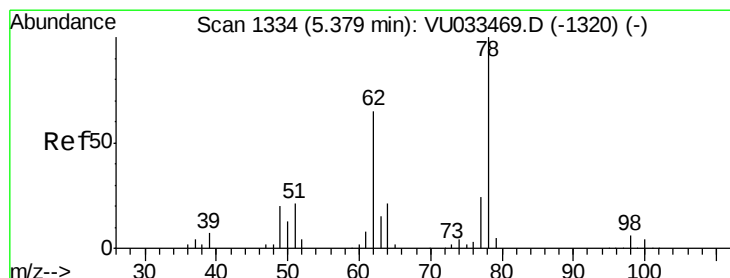
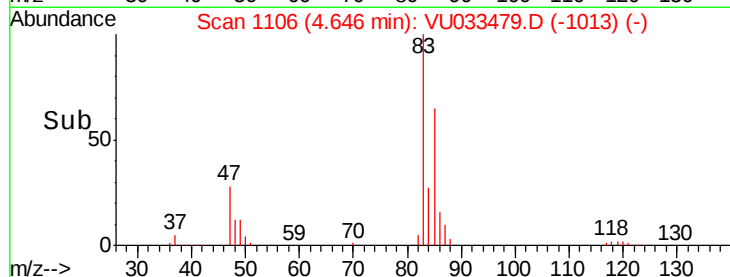
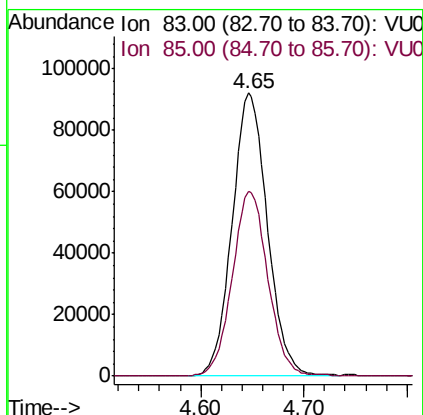
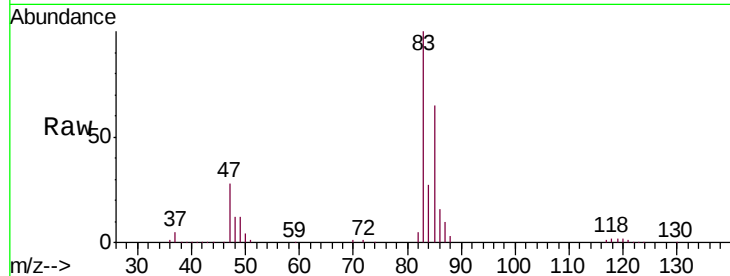




#25
Chloroform
Concen: 48.632 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU033479.D
Acq: 29 Jul 2019 20:01

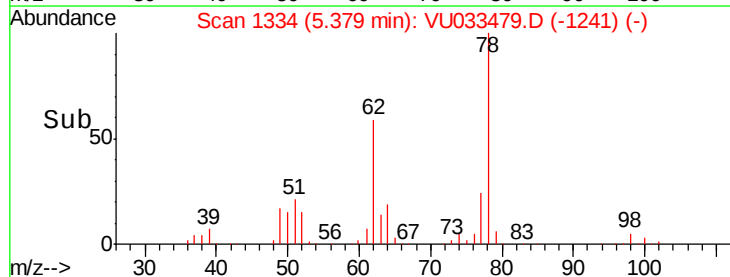
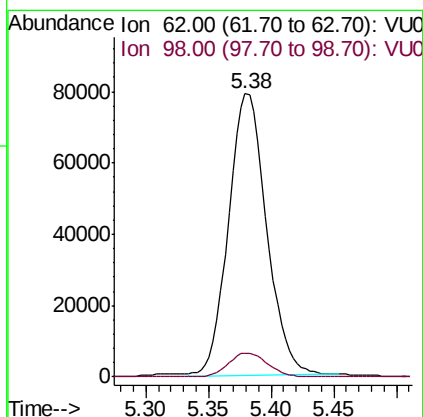
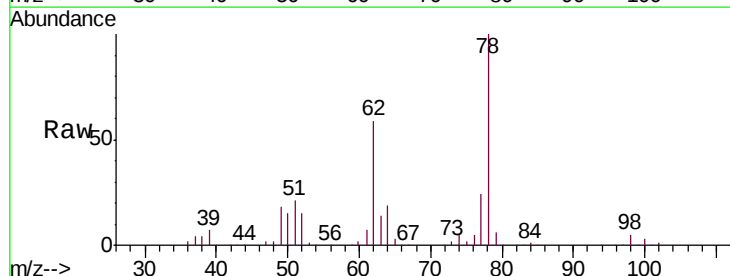
Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

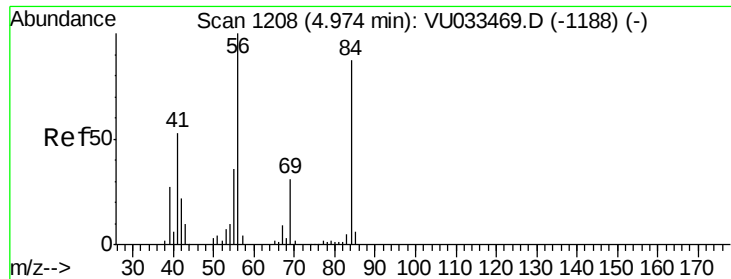
Tgt Ion: 83 Resp: 219704
Ion Ratio Lower Upper
83 100
85 65.1 45.6 84.8



#27
1,2-Dichloroethane
Concen: 47.619 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VU033479.D
Acq: 29 Jul 2019 20:01

Tgt Ion: 62 Resp: 167059
Ion Ratio Lower Upper
62 100
98 8.4 6.7 10.1

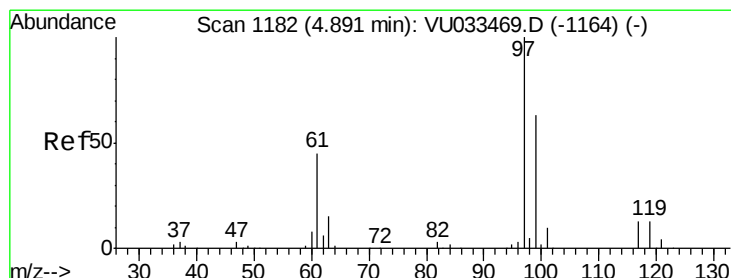
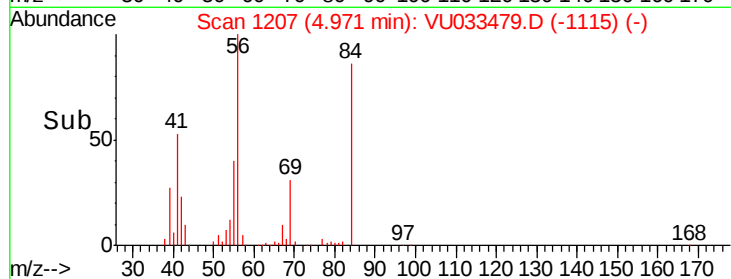
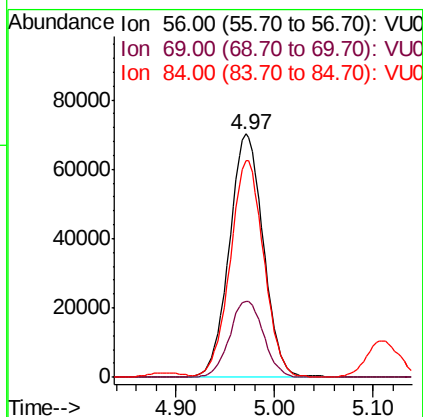
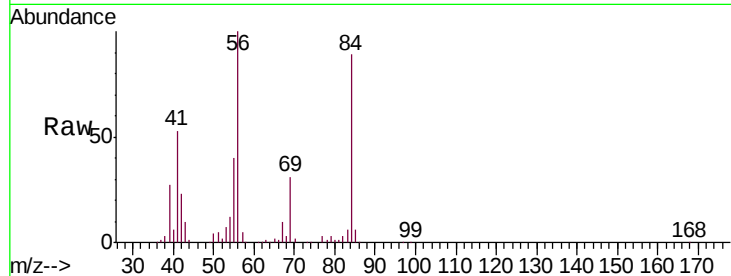




#29
Cyclohexane
Concen: 47.977 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU033479.D
Acq: 29 Jul 2019 20:01

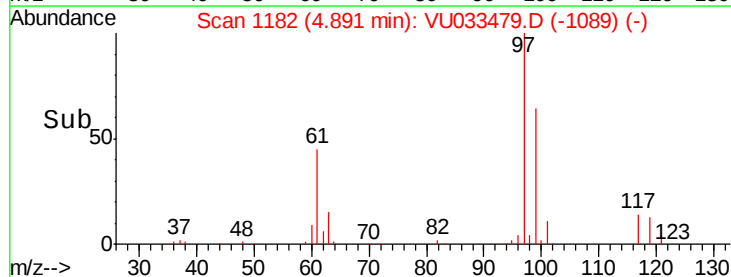
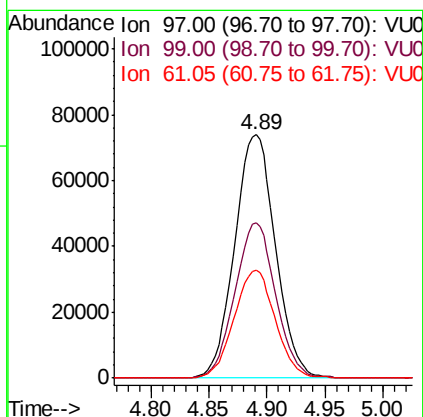
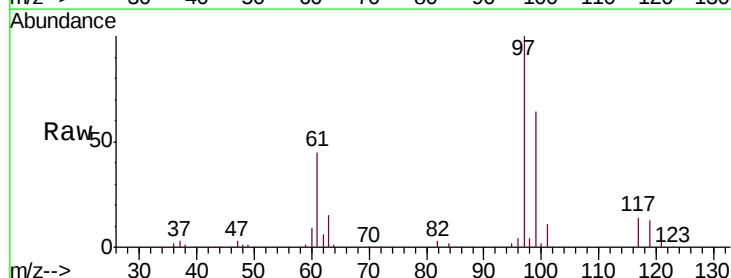
Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

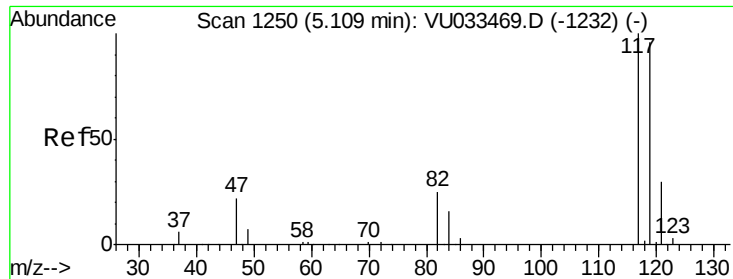
Tgt Ion: 56 Resp: 168445
Ion Ratio Lower Upper
56 100
69 31.4 25.3 37.9
84 88.3 69.6 104.4



#30
1,1,1-Trichloroethane
Concen: 47.500 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU033479.D
Acq: 29 Jul 2019 20:01

Tgt Ion: 97 Resp: 180741
Ion Ratio Lower Upper
97 100
99 63.4 51.8 77.6
61 44.5 36.2 54.2





#31

Carbon tetrachloride

Concen: 47.005 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU033479.D

Acq: 29 Jul 2019 20:01

Instrument :

MSVOA_U

ClientSampleId :

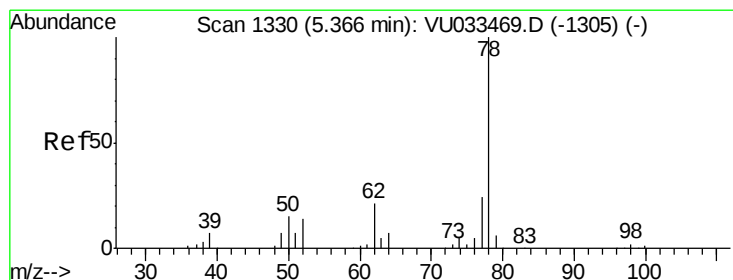
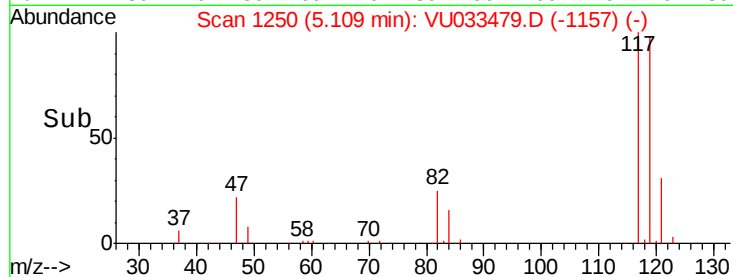
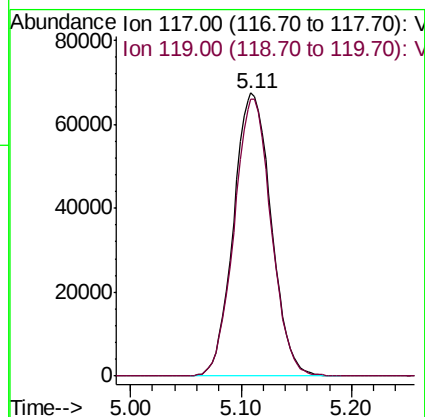
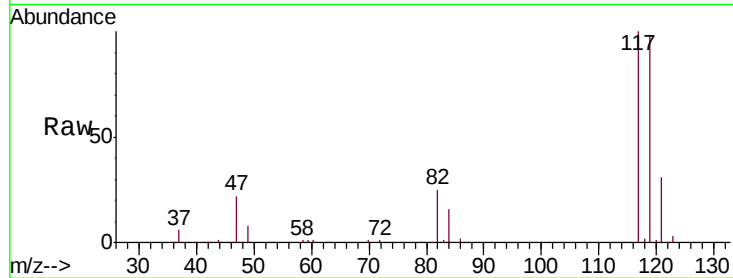
VSTD05060

Tgt Ion:117 Resp: 159214

Ion Ratio Lower Upper

117 100

119 96.1 76.8 115.2



#33

Benzene

Concen: 48.369 ug/L

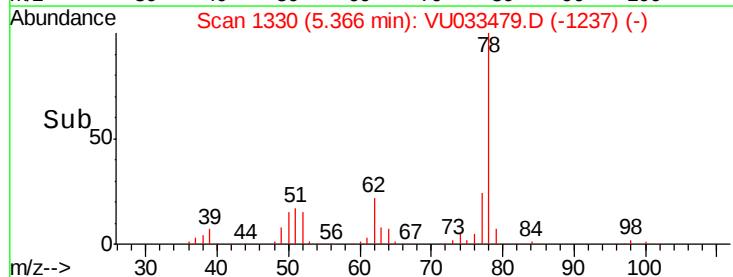
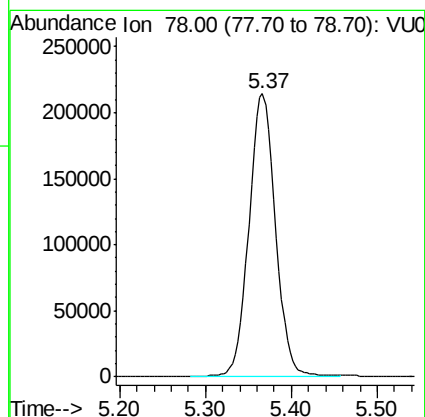
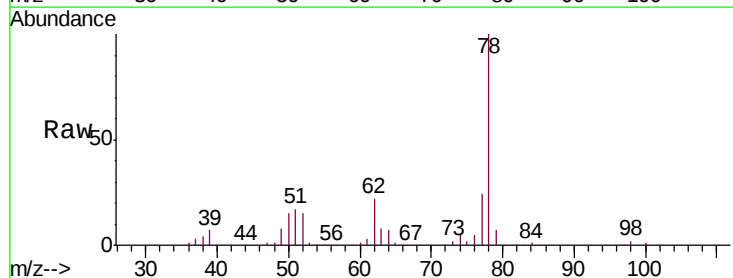
RT: 5.37 min Scan# 1330

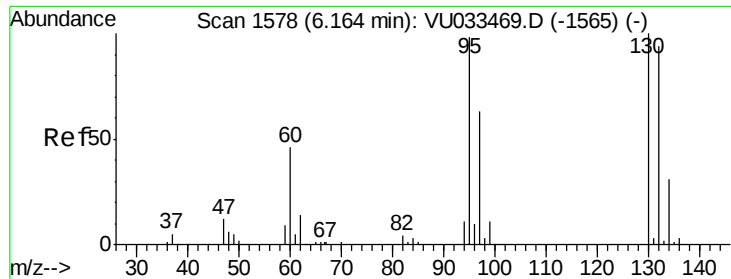
Delta R.T. 0.00 min

Lab File: VU033479.D

Acq: 29 Jul 2019 20:01

Tgt Ion: 78 Resp: 462014





#34

Trichloroethene

Concen: 46.667 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033479.D

Acq: 29 Jul 2019 20:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

Tgt Ion: 95 Resp: 116138

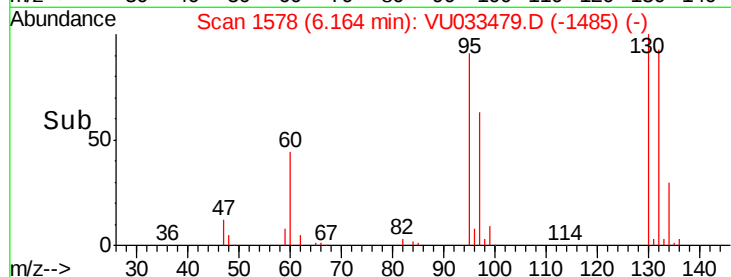
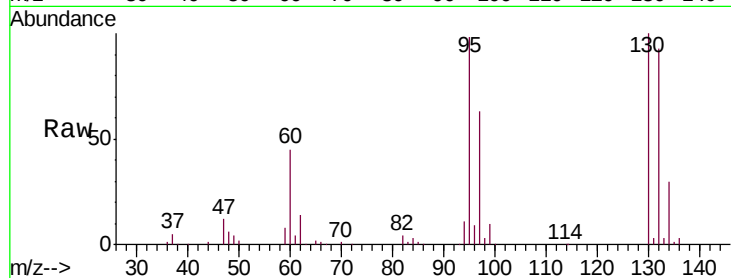
Ion Ratio Lower Upper

95 100

97 64.2 45.4 84.2

132 94.6 67.1 124.5

130 101.5 71.4 132.6

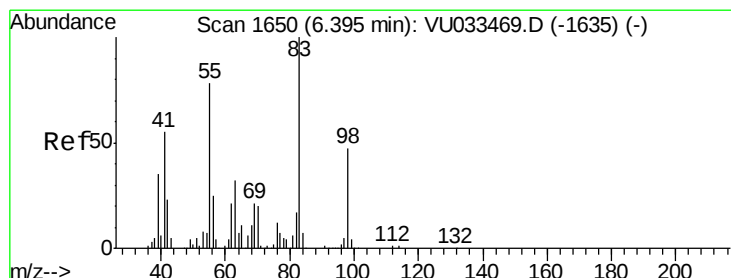
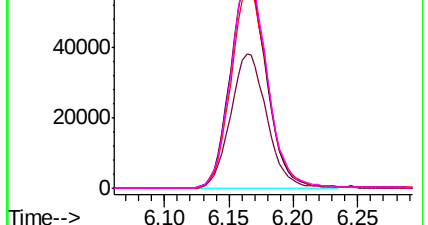


Abundance Ion 95.00 (94.70 to 95.70): VU033479.D (-1485) (-)

Ion 97.00 (96.70 to 97.70): VU033479.D (-1485) (-)

Ion 132.00 (131.70 to 132.70): VU033479.D (-1485) (-)

Ion 130.00 (129.70 to 130.70): VU033479.D (-1485) (-)



#35

Methylcyclohexane

Concen: 46.382 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VU033479.D

Acq: 29 Jul 2019 20:01

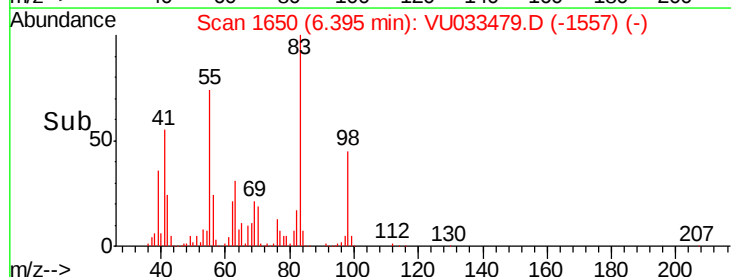
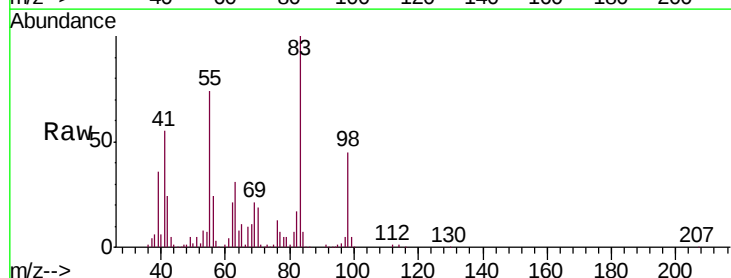
Tgt Ion: 83 Resp: 175518

Ion Ratio Lower Upper

83 100

55 76.7 62.4 93.6

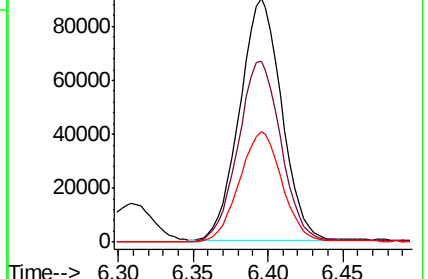
98 46.4 37.3 55.9

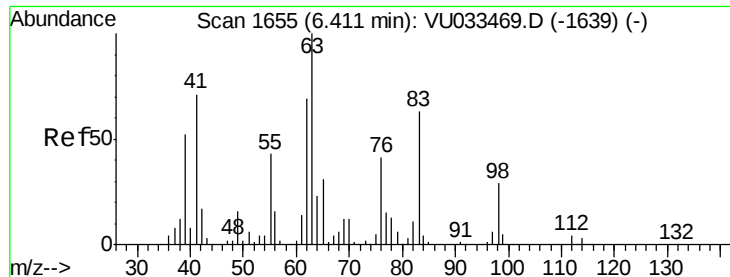


Abundance Ion 83.00 (82.70 to 83.70): VU033479.D (-1557) (-)

Ion 55.00 (54.70 to 55.70): VU033479.D (-1557) (-)

Ion 98.00 (97.70 to 98.70): VU033479.D (-1557) (-)

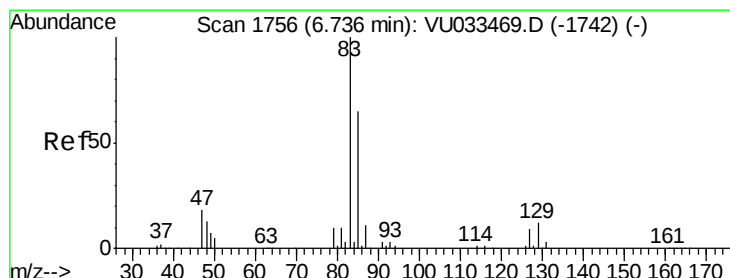
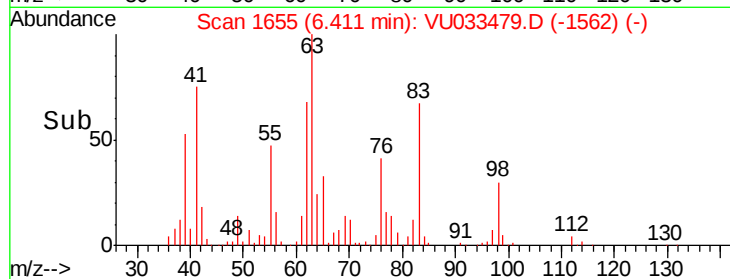
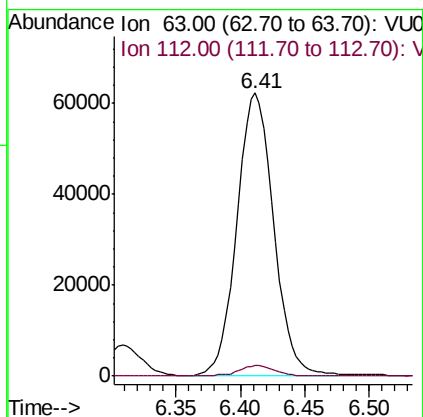
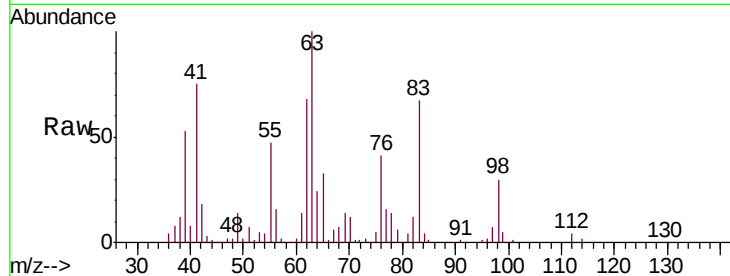




#37
 1,2-Dichloropropane
 Concen: 47.821 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033479.D
 Acq: 29 Jul 2019 20:01

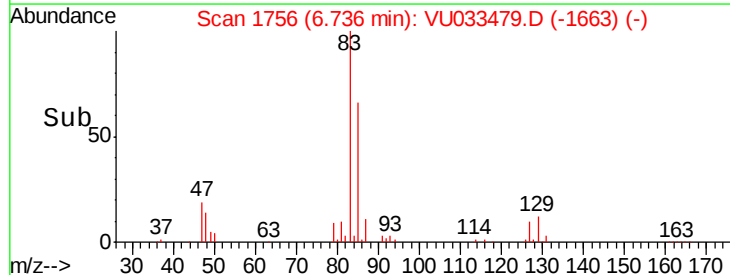
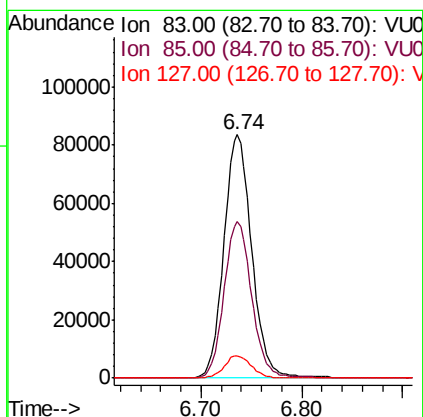
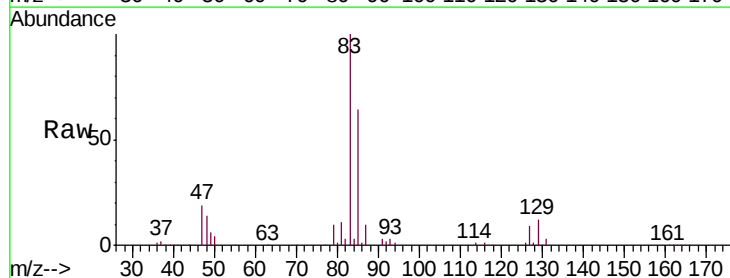
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

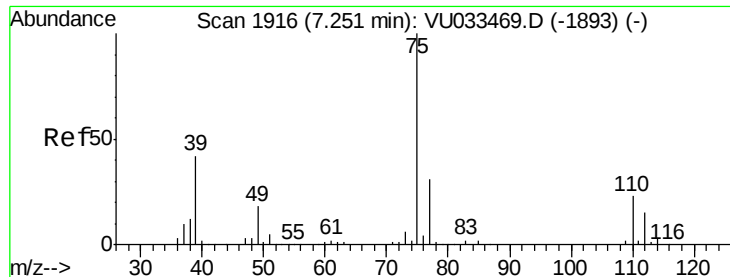
Tgt Ion: 63 Resp: 122852
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.1 4.7



#38
 Bromodichloromethane
 Concen: 47.304 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU033479.D
 Acq: 29 Jul 2019 20:01

Tgt Ion: 83 Resp: 159975
 Ion Ratio Lower Upper
 83 100
 85 64.3 45.4 84.4
 127 9.4 7.3 10.9

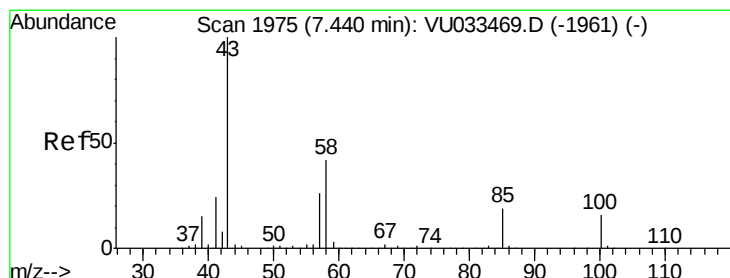
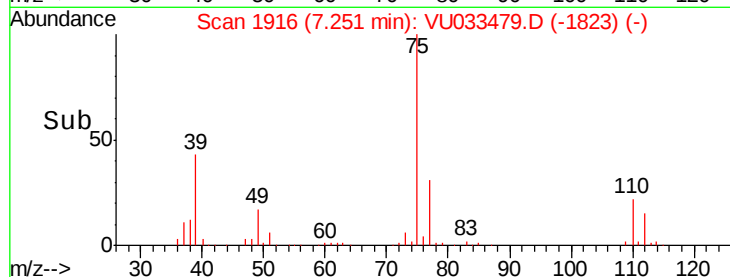
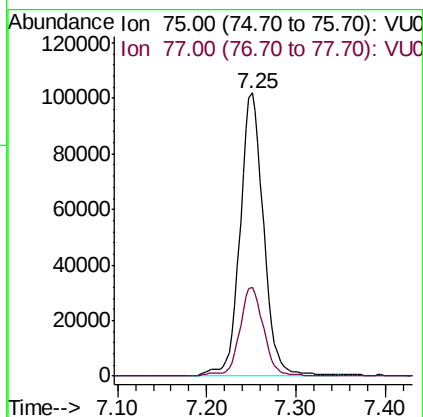
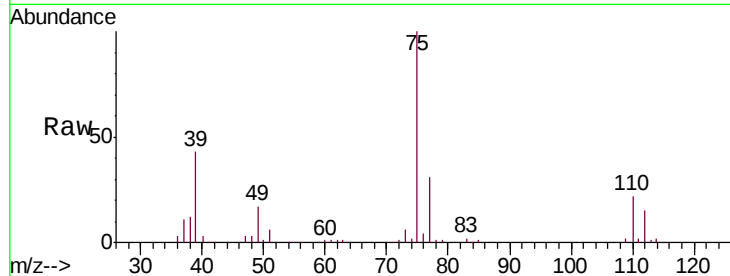




#39
 cis-1,3-Dichloropropene
 Concen: 48.849 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU033479.D
 Acq: 29 Jul 2019 20:01

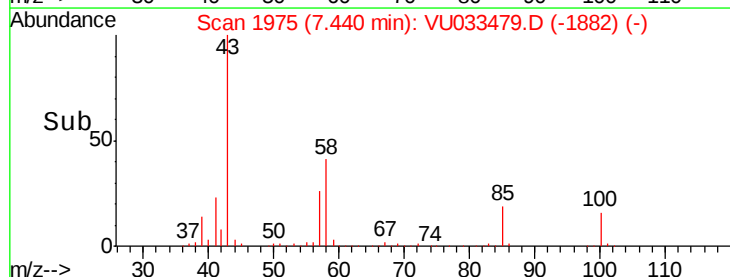
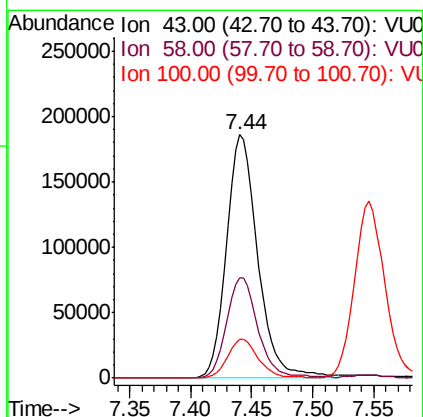
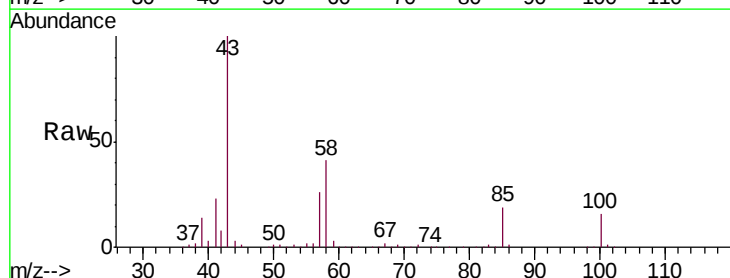
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

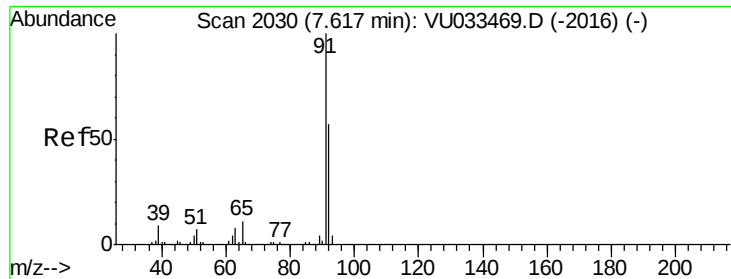
Tgt Ion: 75 Resp: 187132
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 98.866 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU033479.D
 Acq: 29 Jul 2019 20:01

Tgt Ion: 43 Resp: 334722
 Ion Ratio Lower Upper
 43 100
 58 41.5 33.4 50.2
 100 15.8 12.3 18.5





#42

Toluene

Concen: 49.443 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033479.D

Acq: 29 Jul 2019 20:01

Instrument :

MSVOA_U

ClientSampleId :

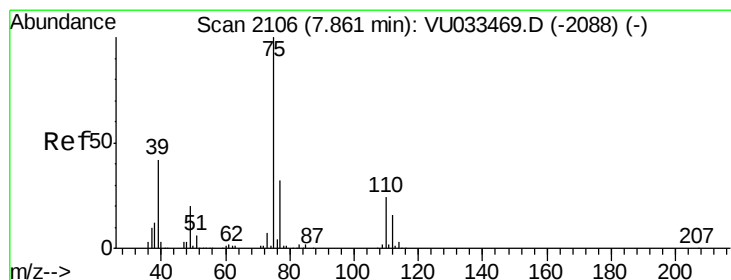
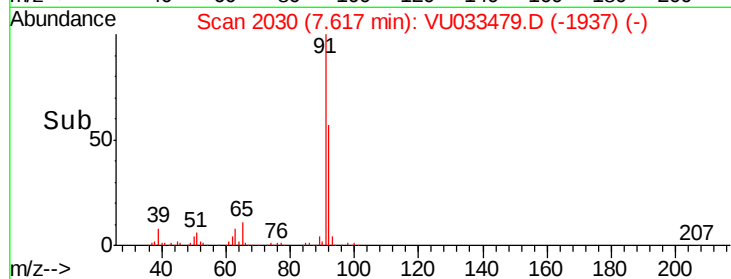
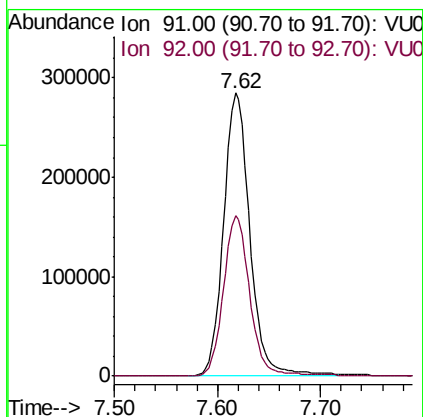
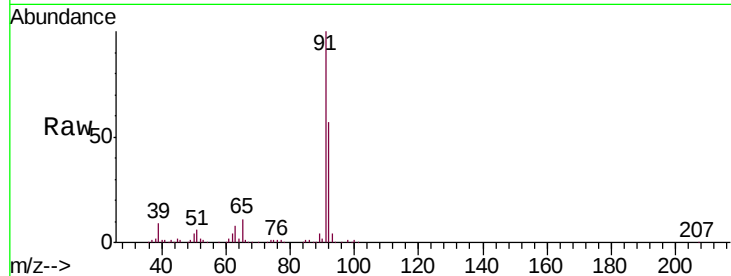
VSTD05060

Tgt Ion: 91 Resp: 508230

Ion Ratio Lower Upper

91 100

92 56.5 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 48.223 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033479.D

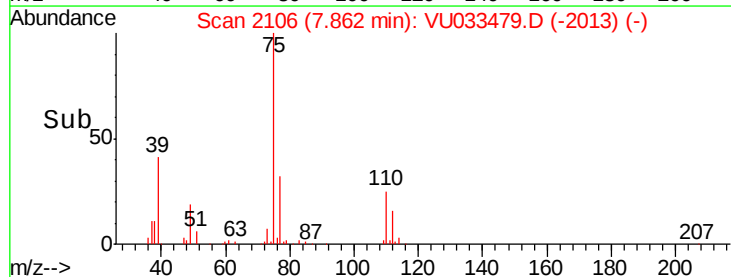
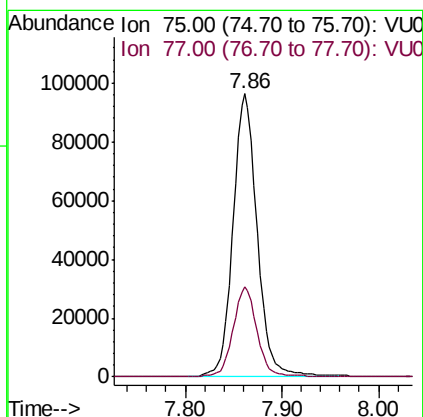
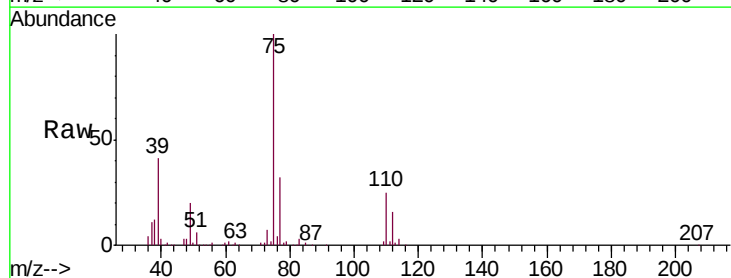
Acq: 29 Jul 2019 20:01

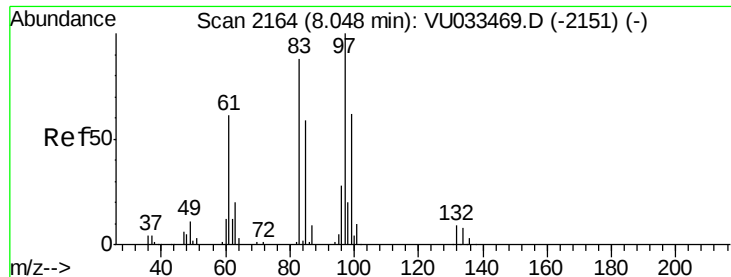
Tgt Ion: 75 Resp: 167672

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.5

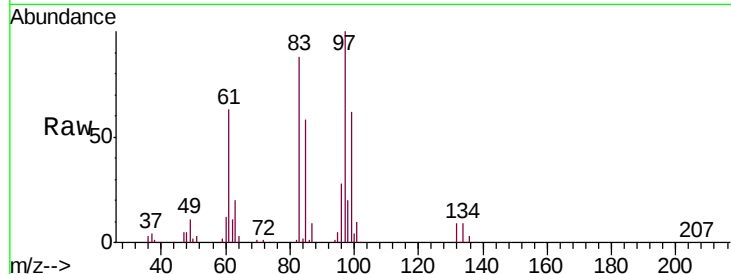




#45
 1,1,2-Trichloroethane
 Concen: 48.401 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU033479.D
 Acq: 29 Jul 2019 20:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

Tgt Ion:	97	Resp:	118591
Ion	Ratio	Lower	Upper
97	100		
99	62.2	43.3	80.5
83	87.9	61.3	113.9
85	57.7	41.0	76.2



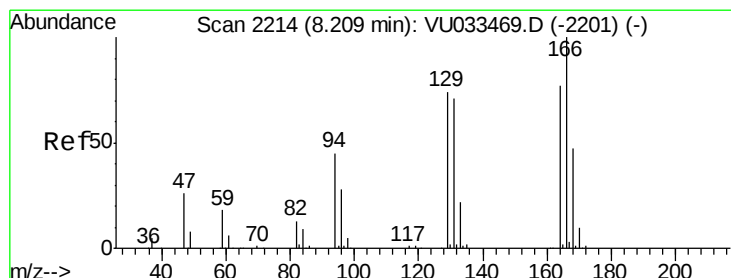
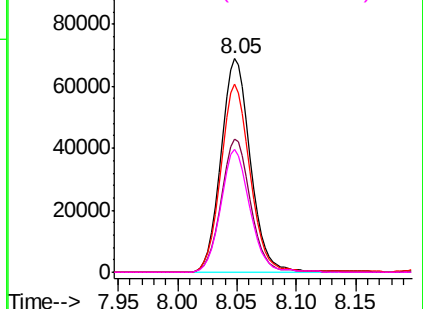
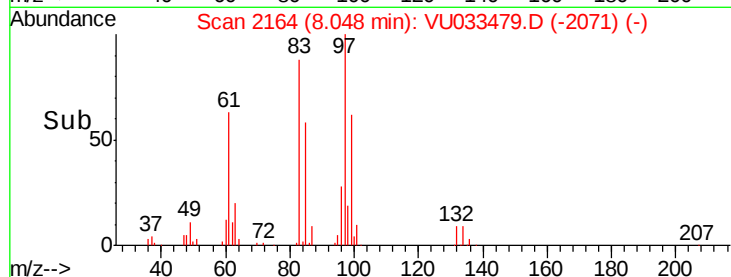
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

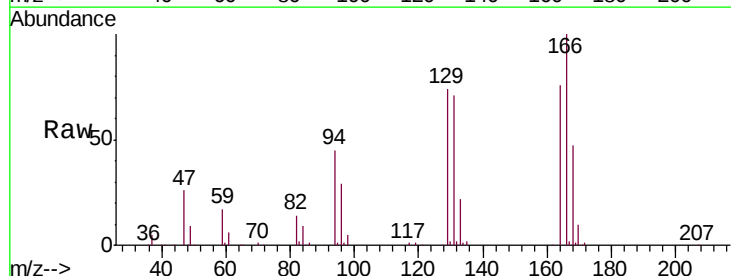
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 47.017 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU033479.D
 Acq: 29 Jul 2019 20:01

Tgt Ion:	164	Resp:	95220
Ion	Ratio	Lower	Upper
164	100		
129	97.7	66.6	123.8
131	94.1	63.9	118.7
166	131.8	90.5	168.1



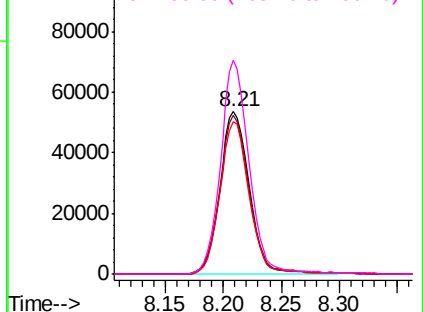
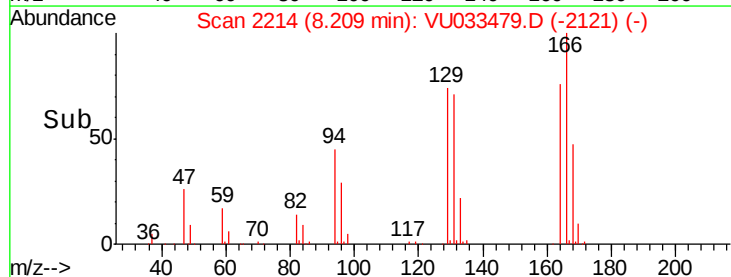
Abundance

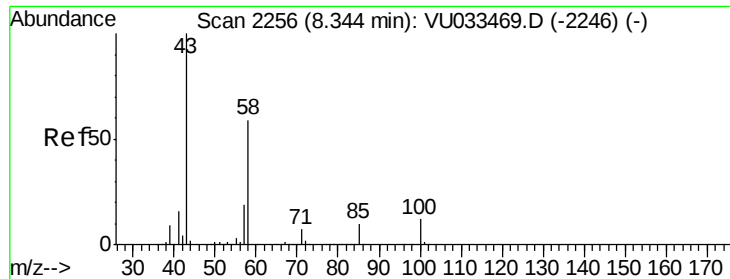
Ion 164.00 (163.70 to 164.70): V

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

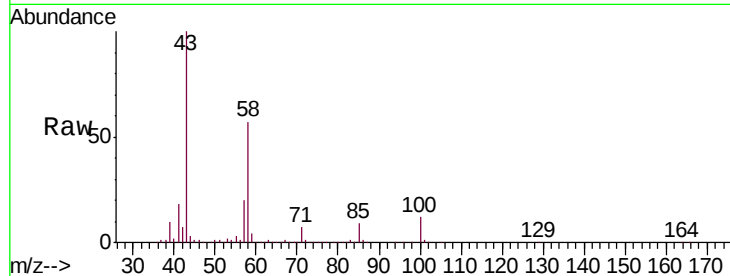




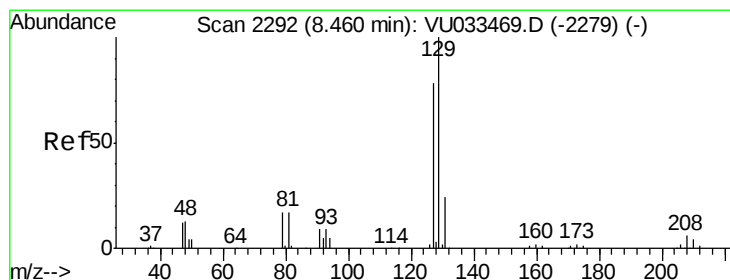
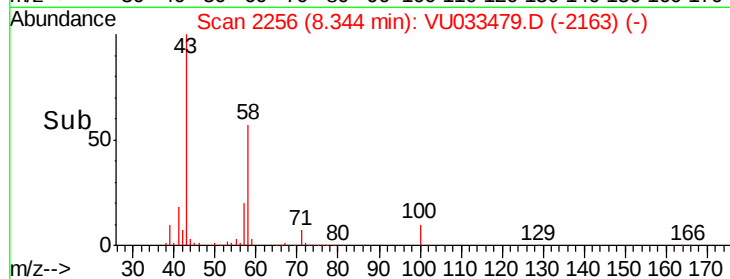
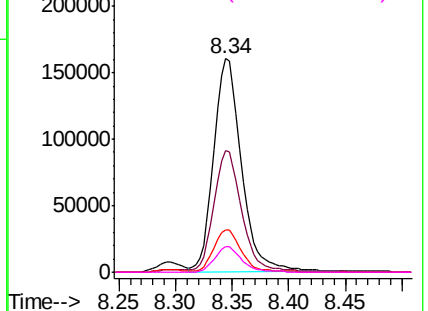
#48
2-Hexanone
Concen: 98.985 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU033479.D
Acq: 29 Jul 2019 20:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

Tgt Ion:	43	Resp:	273020
Ion	Ratio	Lower	Upper
43	100		
58	56.9	46.6	69.8
57	20.2	16.0	24.0
100	11.7	9.5	14.3

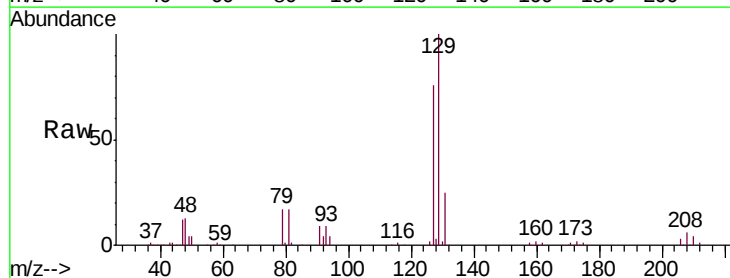


Abundance Ion 43.00 (42.70 to 43.70): VU033469.D (-2246) (-)
Ion 58.00 (57.70 to 58.70): VU033469.D (-2246) (-)
Ion 57.00 (56.70 to 57.70): VU033469.D (-2246) (-)
Ion 100.00 (99.70 to 100.70): VU033469.D (-2246) (-)

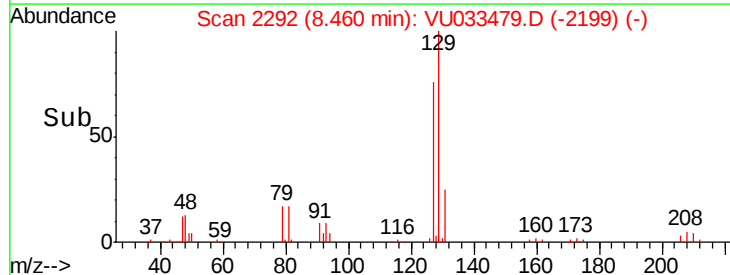
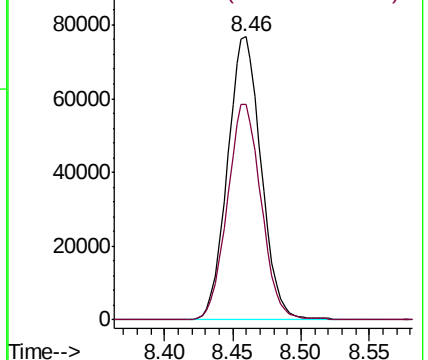


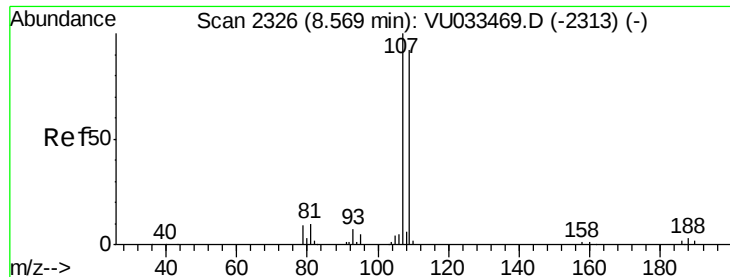
#49
Dibromochloromethane
Concen: 48.021 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033479.D
Acq: 29 Jul 2019 20:01

Tgt Ion:	129	Resp:	131741
Ion	Ratio	Lower	Upper
129	100		
127	76.0	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) (-)

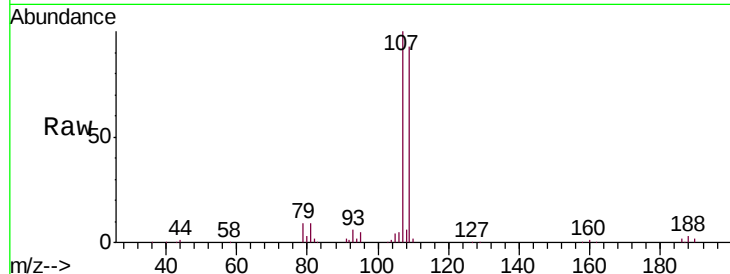




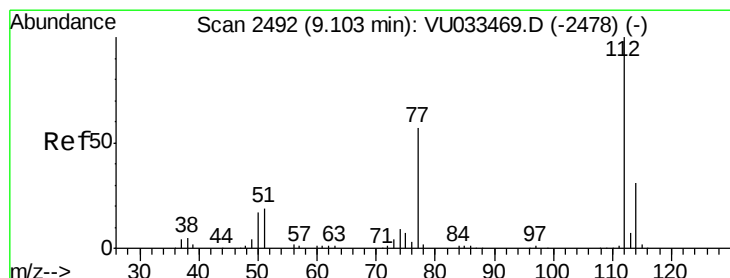
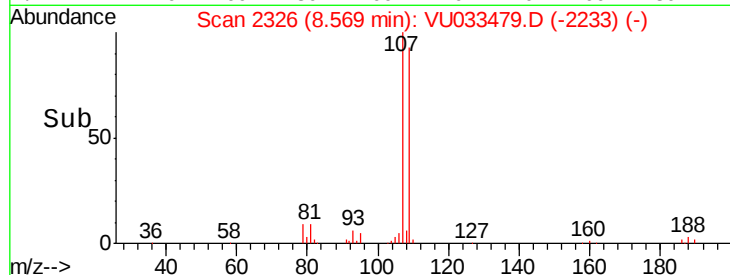
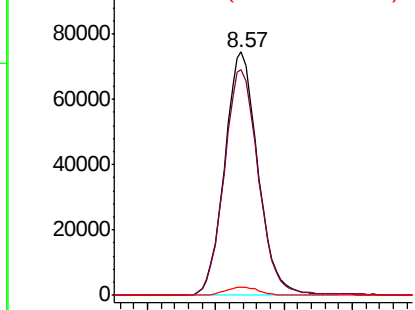
#50
1,2-Dibromoethane
Concen: 47.599 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU033479.D
Acq: 29 Jul 2019 20:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

Tgt Ion:107 Resp: 126521
Ion Ratio Lower Upper
107 100
109 92.8 64.7 120.1
188 3.4 2.8 4.2

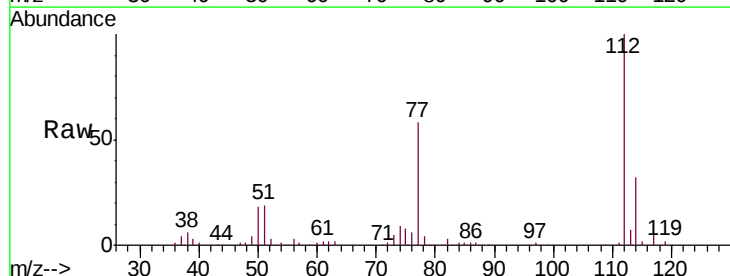


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

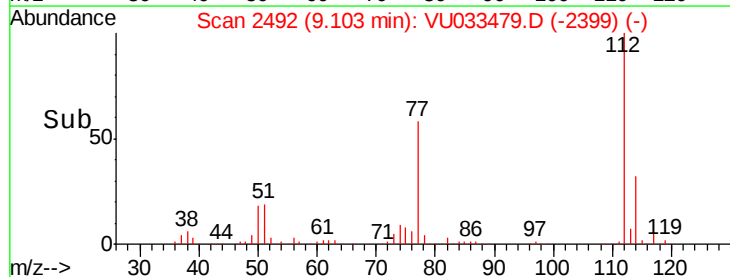
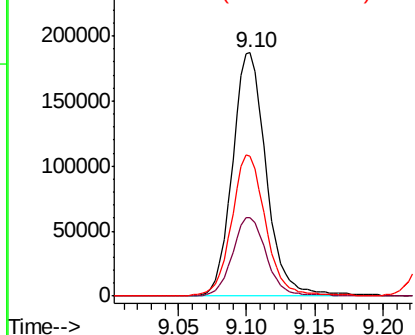


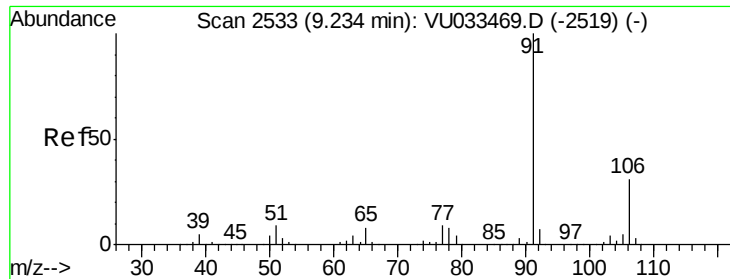
#51
Chlorobenzene
Concen: 47.027 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033479.D
Acq: 29 Jul 2019 20:01

Tgt Ion:112 Resp: 321183
Ion Ratio Lower Upper
112 100
114 32.5 21.9 40.7
77 57.6 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

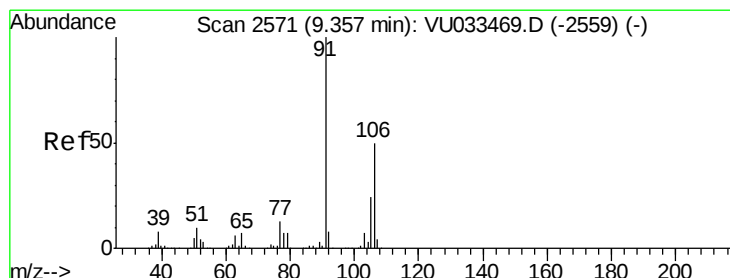
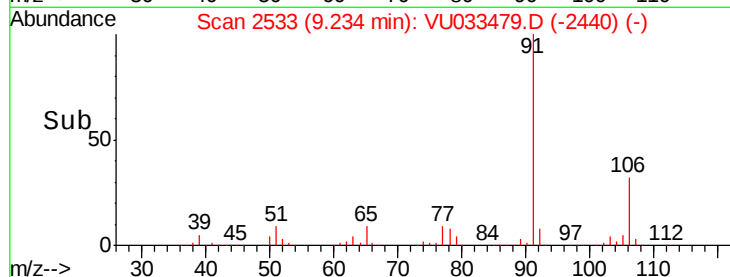
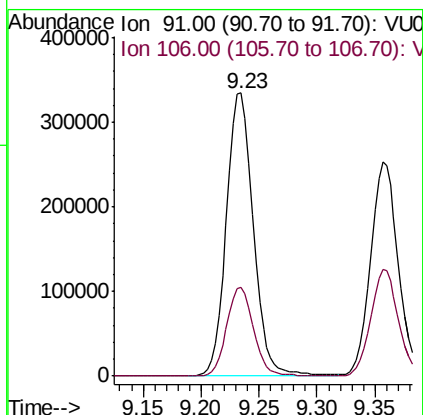
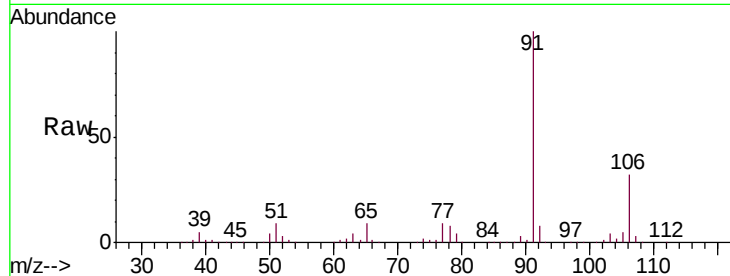




#52
Ethylbenzene
Concen: 48.630 ug/L
RT: 9.23 min Scan# 2533
Delta R.T. 0.00 min
Lab File: VU033479.D
Acq: 29 Jul 2019 20:01

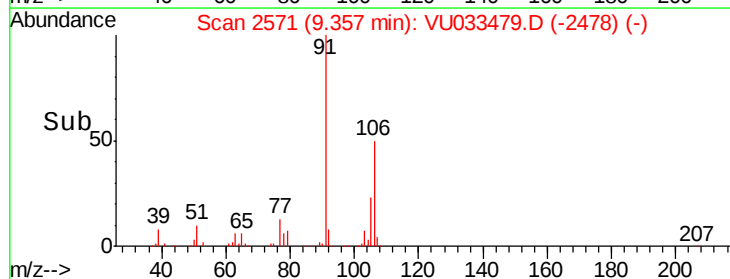
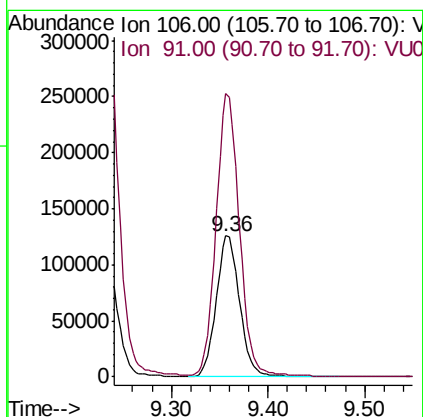
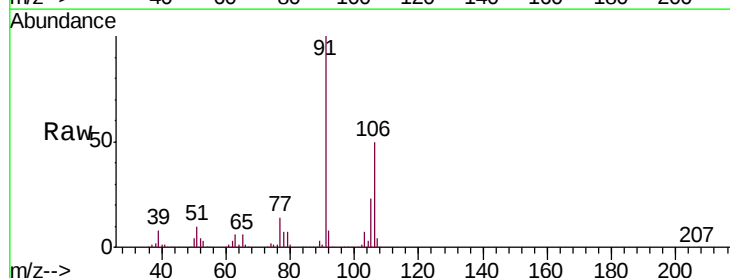
Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

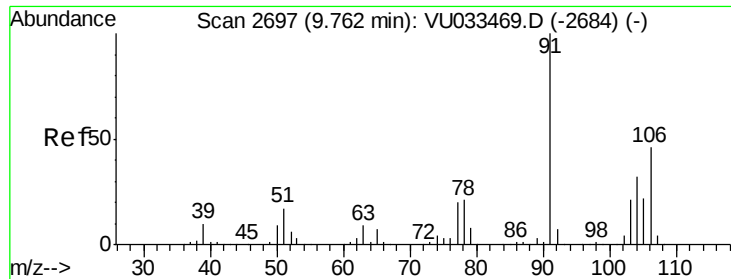
Tgt Ion: 91 Resp: 541872
Ion Ratio Lower Upper
91 100
106 31.6 21.6 40.2



#53
m,p-Xylene
Concen: 50.459 ug/L
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU033479.D
Acq: 29 Jul 2019 20:01

Tgt Ion: 106 Resp: 211433
Ion Ratio Lower Upper
106 100
91 200.6 140.7 261.3





#54

o-xylene

Concen: 51.043 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU033479.D

Acq: 29 Jul 2019 20:01

Instrument :

MSVOA_U

ClientSampleId :

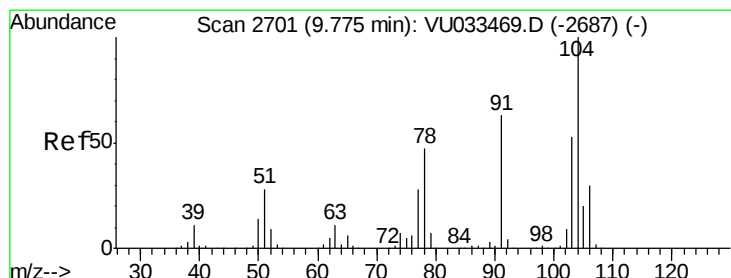
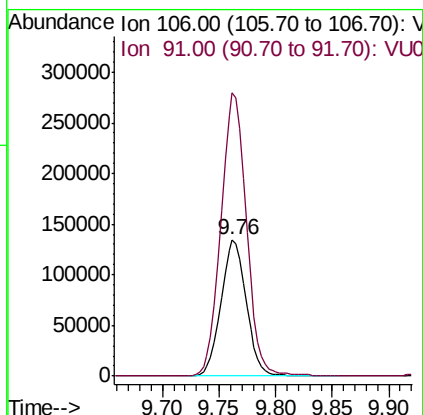
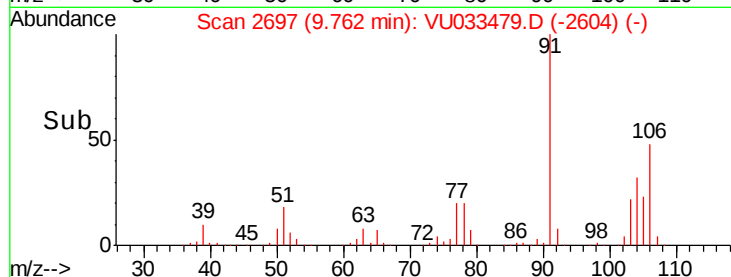
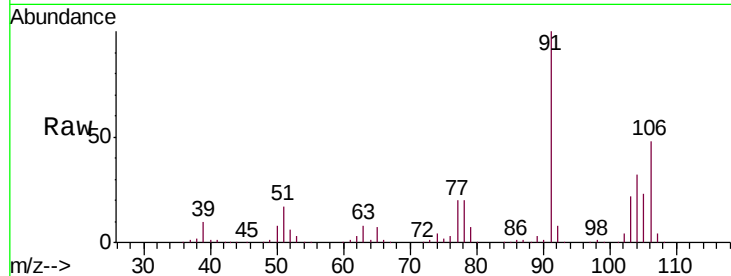
VSTD05060

Tgt Ion:106 Resp: 209703

Ion Ratio Lower Upper

106 100

91 207.6 151.1 280.7



#55

Styrene

Concen: 50.780 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU033479.D

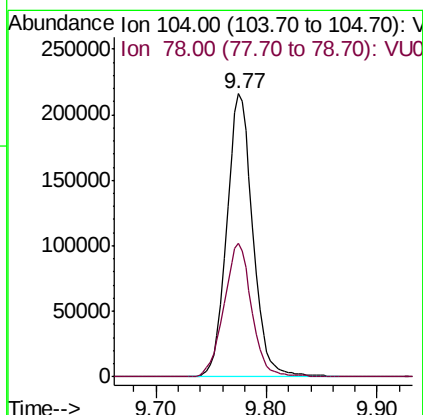
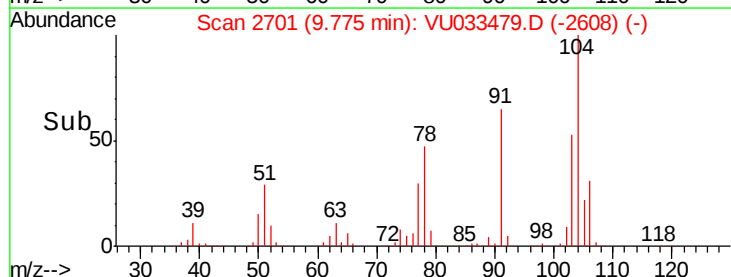
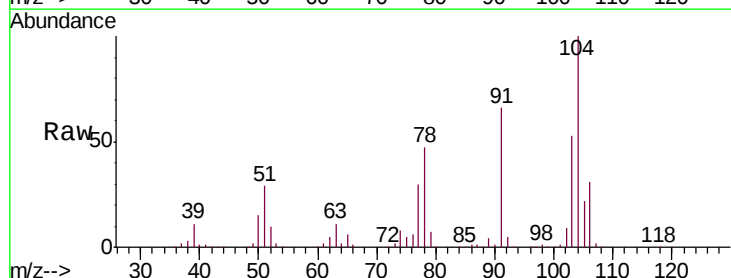
Acq: 29 Jul 2019 20:01

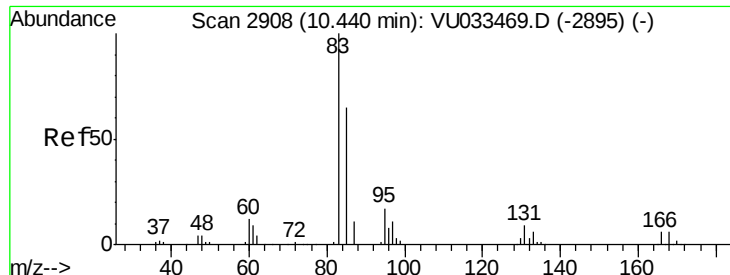
Tgt Ion:104 Resp: 354023

Ion Ratio Lower Upper

104 100

78 47.2 32.6 60.5





#57

1,1,2,2-Tetrachloroethane

Concen: 47.912 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033479.D

Acq: 29 Jul 2019 20:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

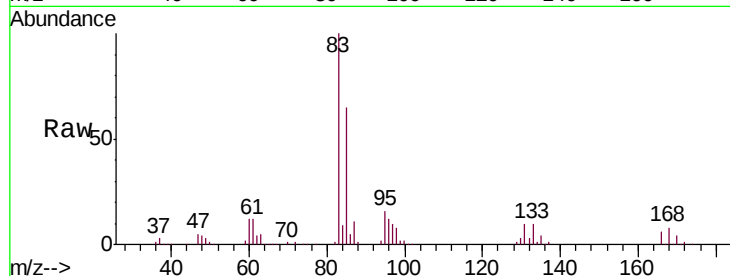
Tgt Ion: 83 Resp: 208698

Ion Ratio Lower Upper

83 100

85 65.2 45.9 85.3

131 9.6 7.8 11.8

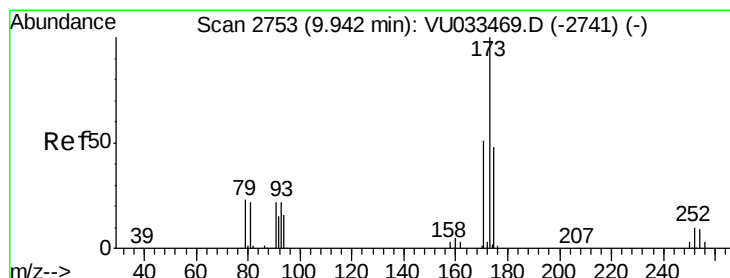
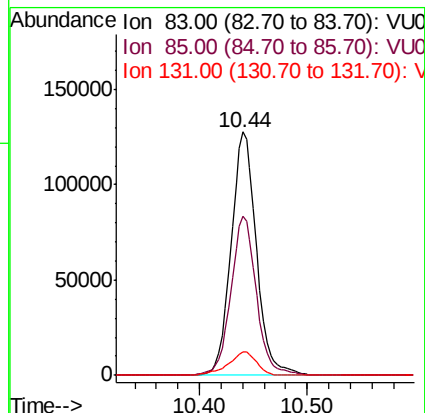
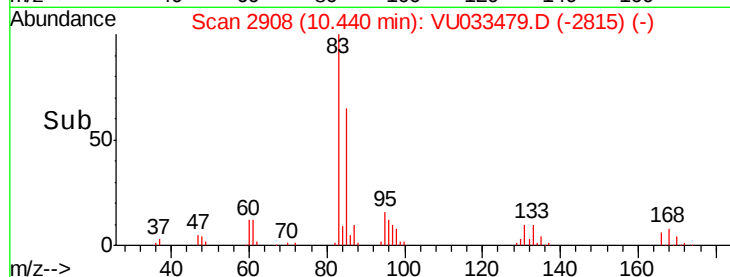


Abundance Ion 83.00 (82.70 to 83.70): VU033469.D (-2895) (-)

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

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

Time-->



#59

Bromoform

Concen: 46.342 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU033479.D

Acq: 29 Jul 2019 20:01

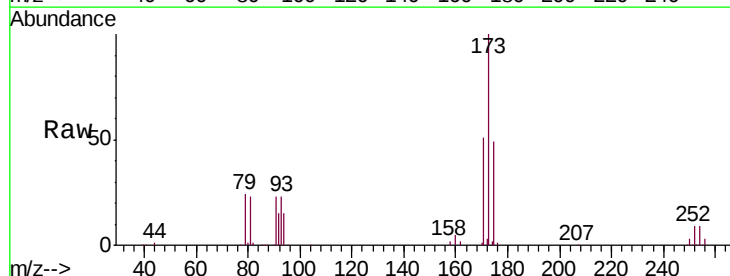
Tgt Ion: 173 Resp: 97468

Ion Ratio Lower Upper

173 100

175 48.6 38.1 57.1

254 9.3 7.3 10.9

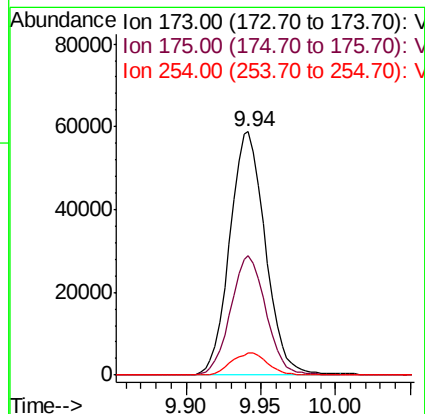
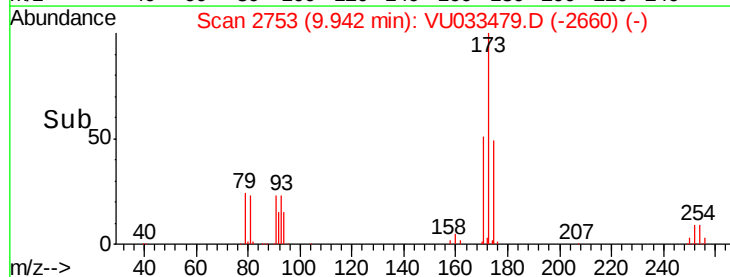


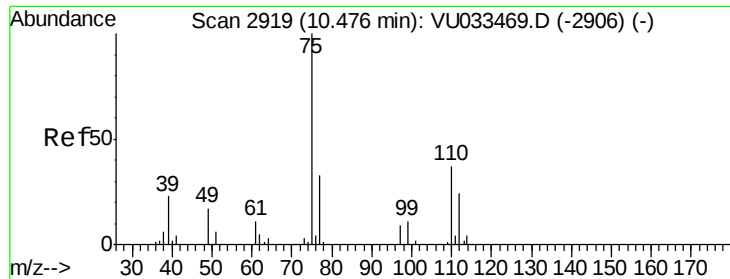
Abundance Ion 173.00 (172.70 to 173.70): VU033469.D (-2741) (-)

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

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

Time-->

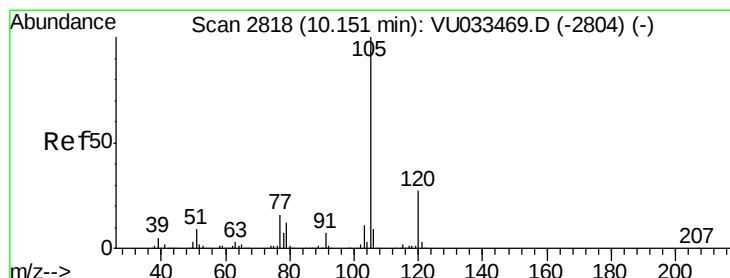
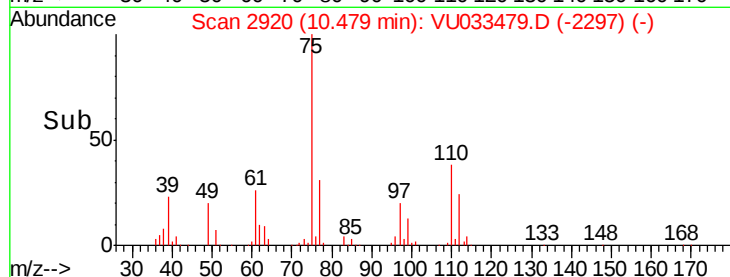
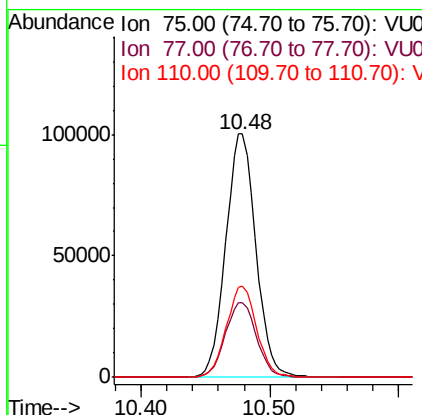
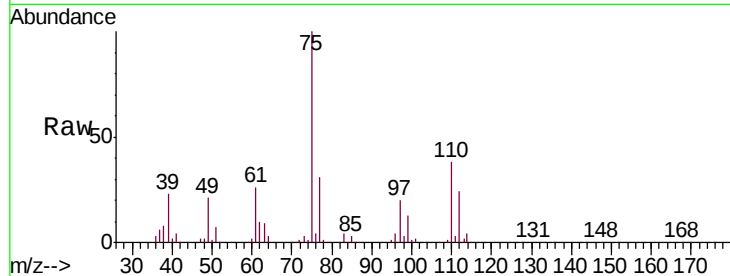




#60
 1,2,3-Trichloropropane
 Concen: 47.357 ug/L
 RT: 10.48 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: VU033479.D
 Acq: 29 Jul 2019 20:01

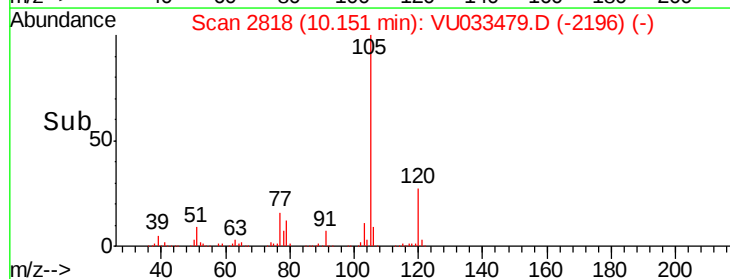
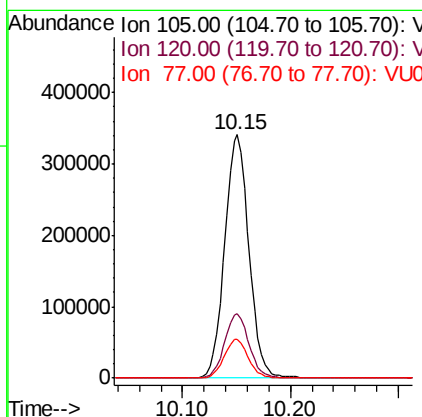
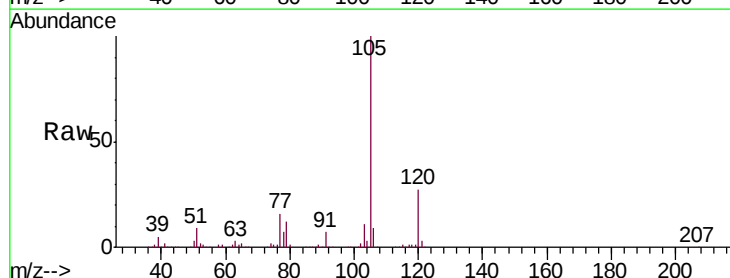
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

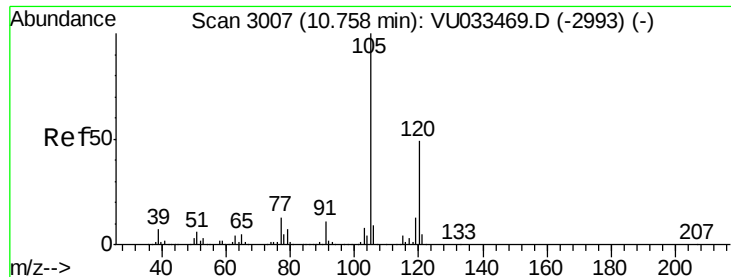
Tgt Ion: 75 Resp: 162218
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.9 38.9
 110 37.6 30.2 45.4



#61
 Isopropylbenzene
 Concen: 49.402 ug/L
 RT: 10.15 min Scan# 2818
 Delta R.T. 0.00 min
 Lab File: VU033479.D
 Acq: 29 Jul 2019 20:01

Tgt Ion: 105 Resp: 532019
 Ion Ratio Lower Upper
 105 100
 120 26.7 21.7 32.5
 77 15.9 12.6 19.0





#62

1,3,5-Trimethylbenzene

Concen: 50.843 ug/L

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033479.D

Acq: 29 Jul 2019 20:01

Instrument :

MSVOA_U

ClientSampleId :

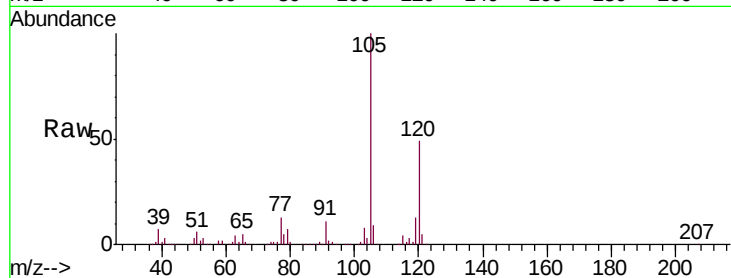
VSTD05060

Tgt Ion:105 Resp: 443654

Ion Ratio Lower Upper

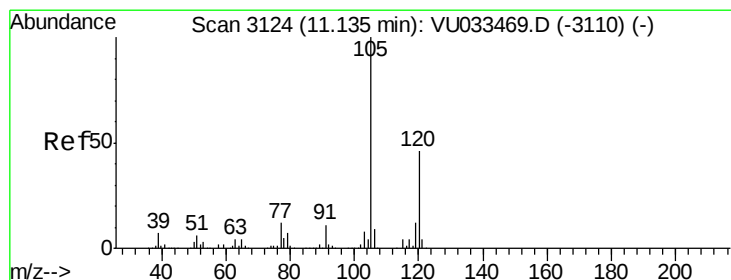
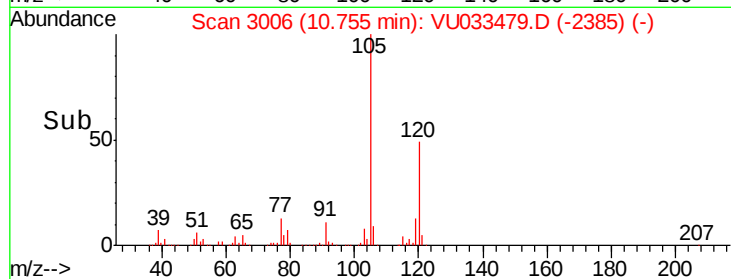
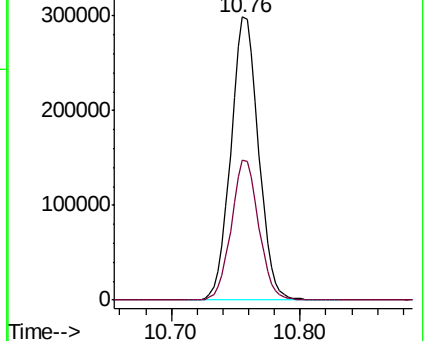
105 100

120 49.3 39.0 58.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 51.819 ug/L

RT: 11.13 min Scan# 3124

Delta R.T. 0.00 min

Lab File: VU033479.D

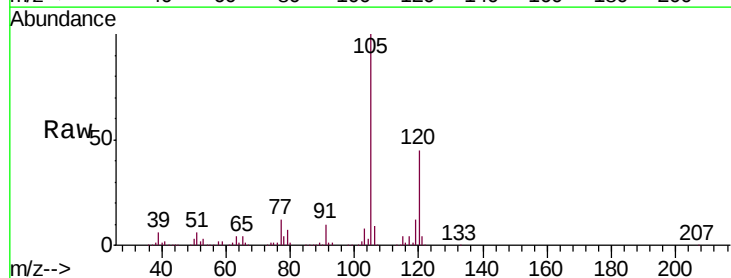
Acq: 29 Jul 2019 20:01

Tgt Ion:105 Resp: 448442

Ion Ratio Lower Upper

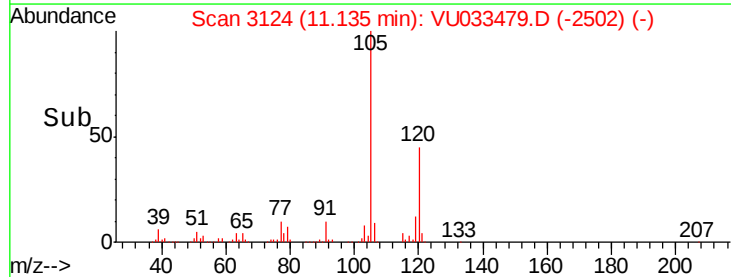
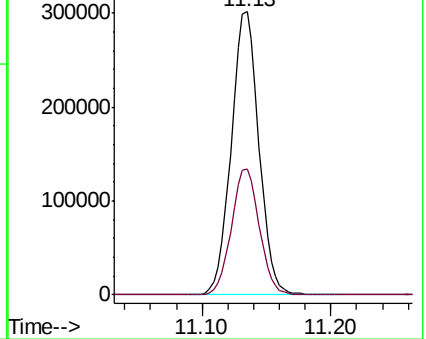
105 100

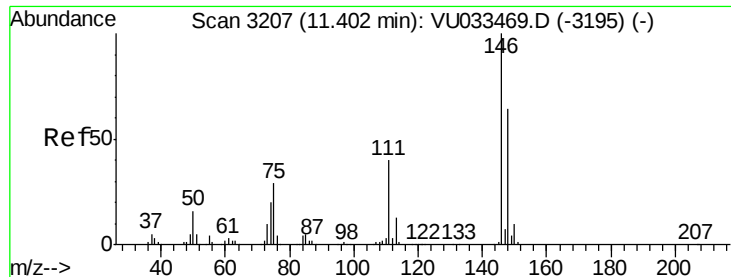
120 45.0 36.6 55.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

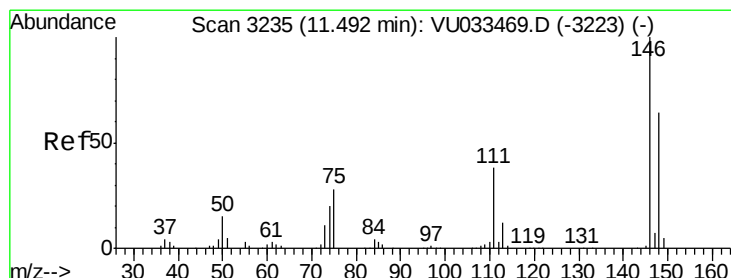
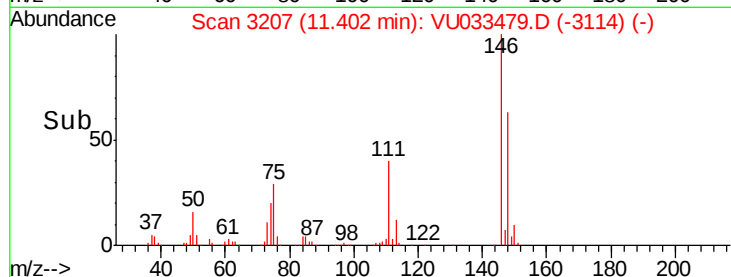
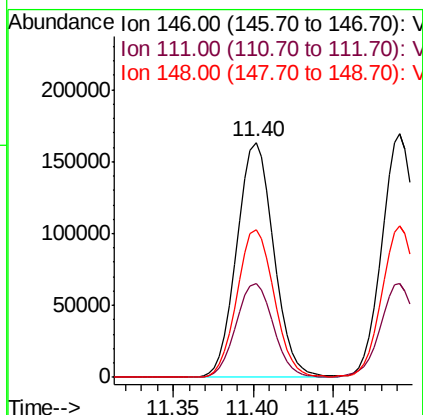
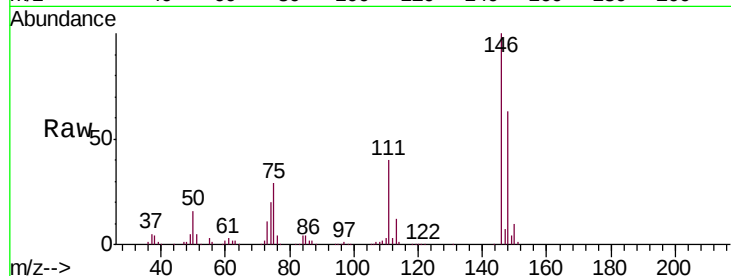




#64
 1,3-Dichlorobenzene
 Concen: 46.817 ug/L
 RT: 11.40 min Scan# 3207
 Delta R.T. 0.00 min
 Lab File: VU033479.D
 Acq: 29 Jul 2019 20:01

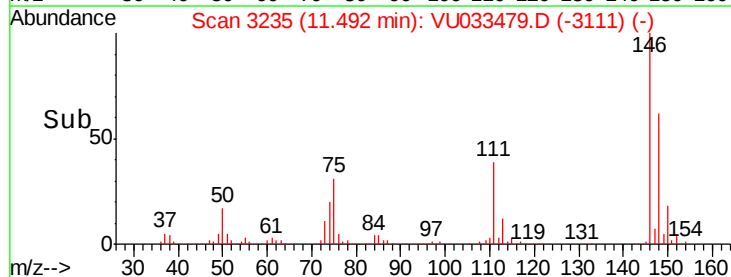
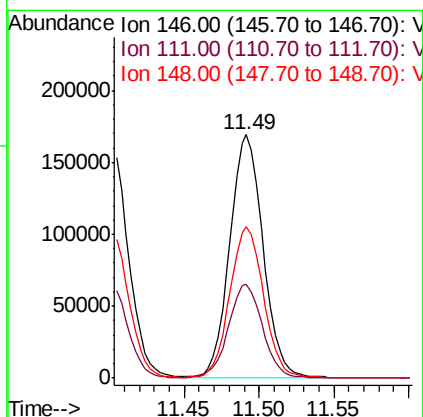
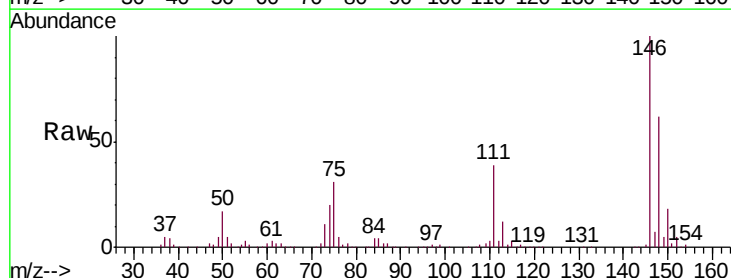
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

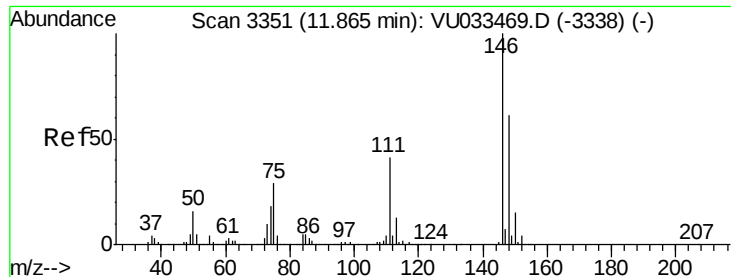
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	28.2	52.4
148	62.8	44.4	82.5



#65
 1,4-Dichlorobenzene
 Concen: 46.063 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU033479.D
 Acq: 29 Jul 2019 20:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	27.0	50.2
148	62.0	44.7	82.9





#67

1,2-Dichlorobenzene

Concen: 47.100 ug/L

RT: 11.86 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VU033479.D

Acq: 29 Jul 2019 20:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

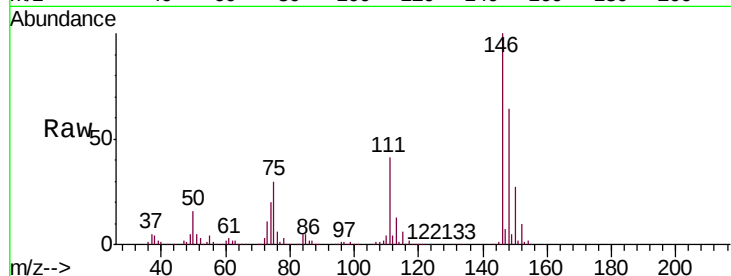
Tgt Ion:146 Resp: 259040

Ion Ratio Lower Upper

146 100

111 40.8 32.8 49.2

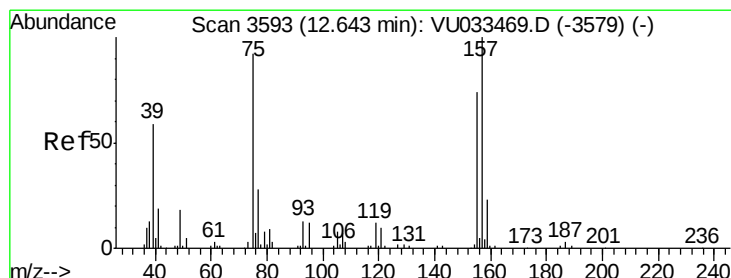
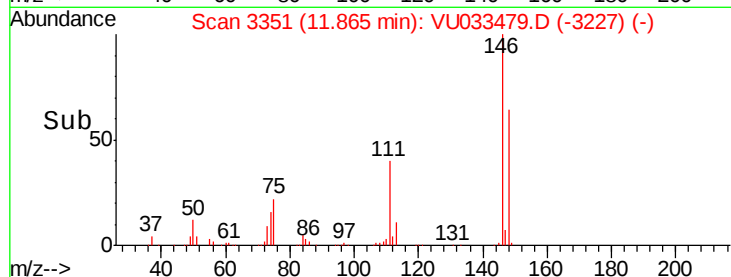
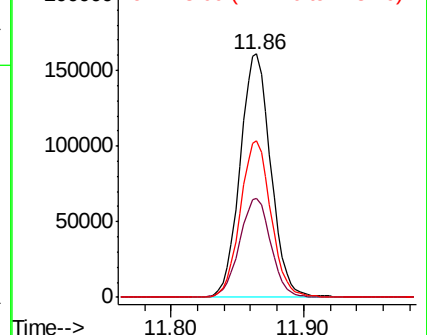
148 64.5 49.2 73.8



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: 48.590 ug/L

RT: 12.64 min Scan# 3593

Delta R.T. 0.00 min

Lab File: VU033479.D

Acq: 29 Jul 2019 20:01

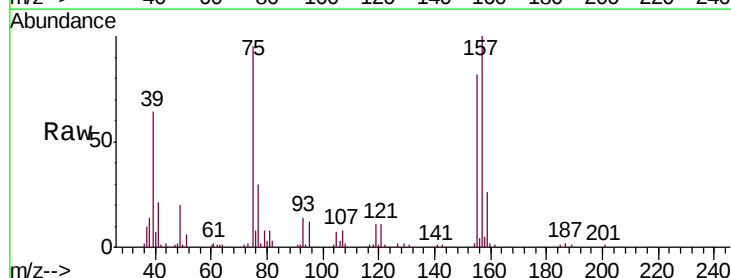
Tgt Ion: 75 Resp: 46274

Ion Ratio Lower Upper

75 100

155 86.5 64.8 97.2

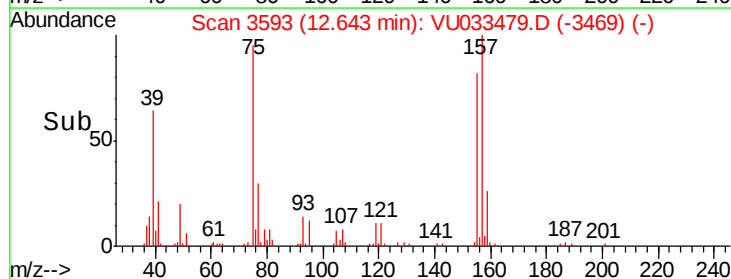
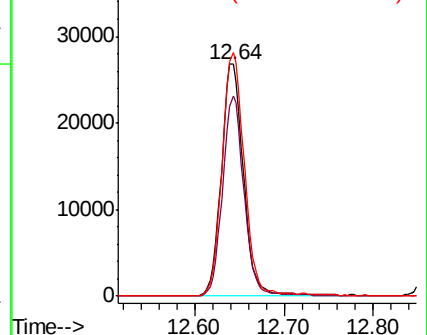
157 105.0 87.1 130.7

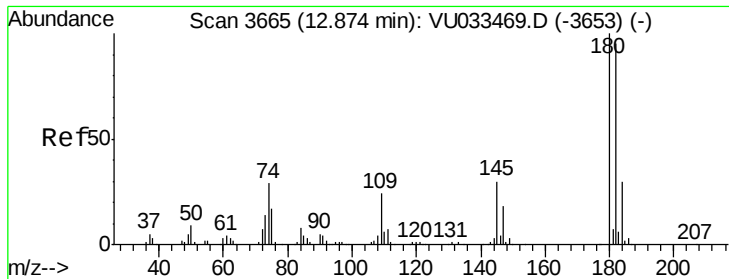


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

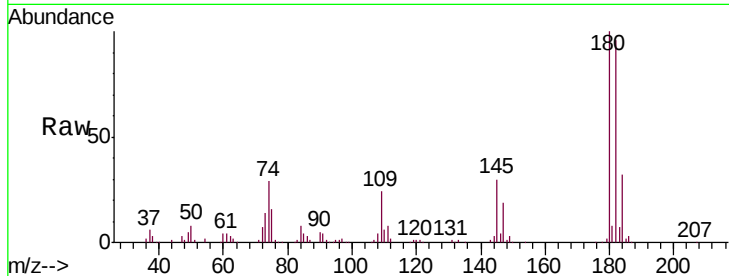




#69
 1,3,5-Trichlorobenzene
 Concen: 45.734 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.00 min
 Lab File: VU033479.D
 Acq: 29 Jul 2019 20:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.2	114.4
184	30.6	24.1	36.1
145	29.4	23.7	35.5



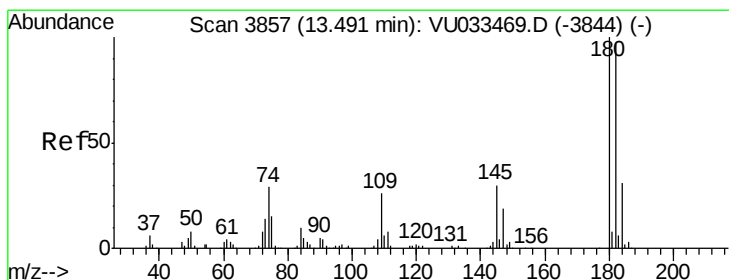
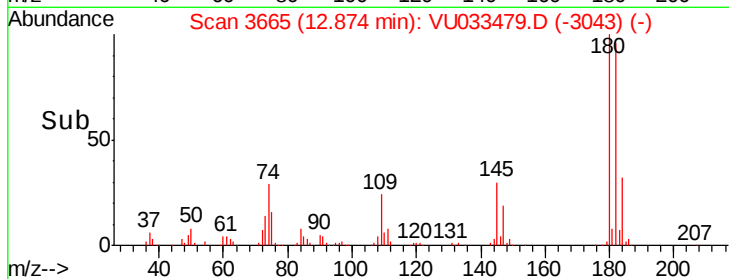
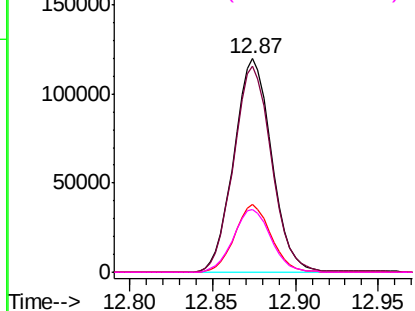
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

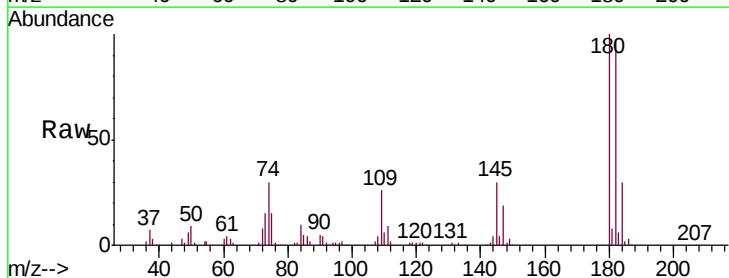
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 46.923 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. -0.00 min
 Lab File: VU033479.D
 Acq: 29 Jul 2019 20:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.5	116.3
145	29.8	23.9	35.9

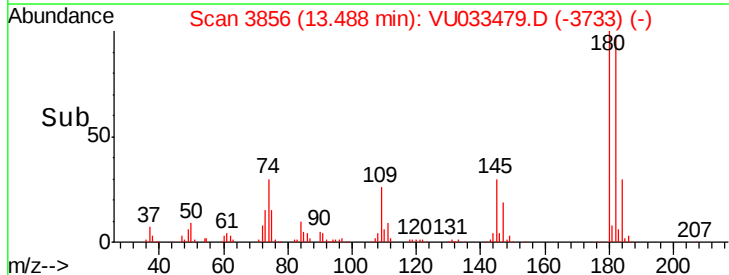
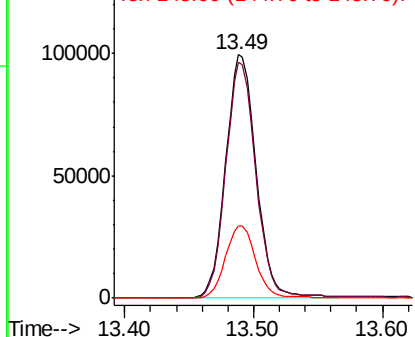


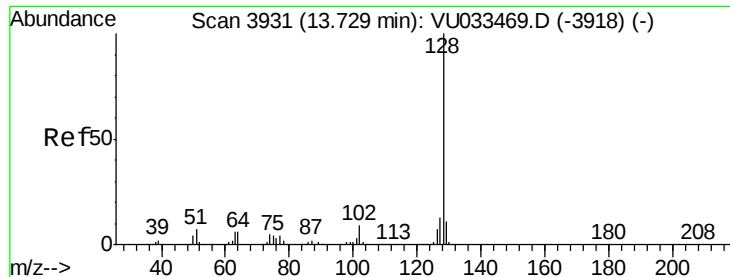
Abundance

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

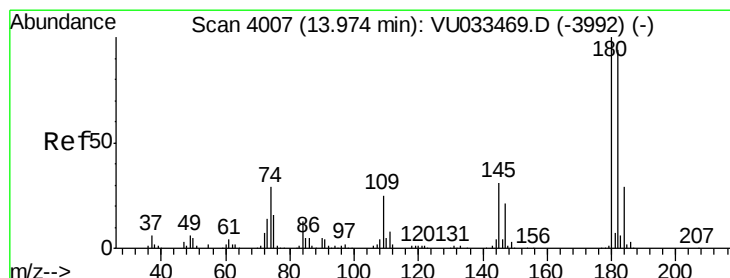
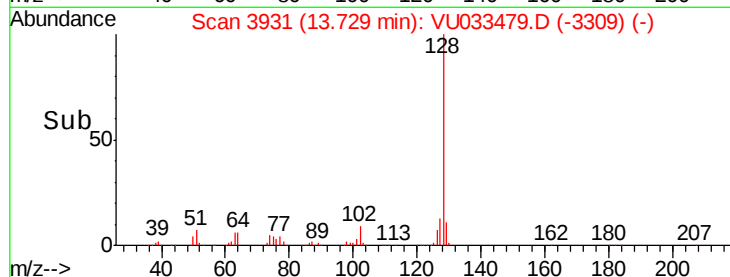
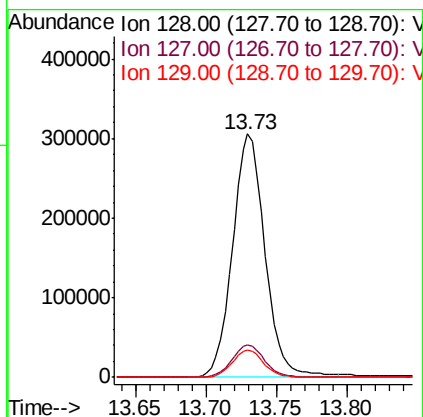
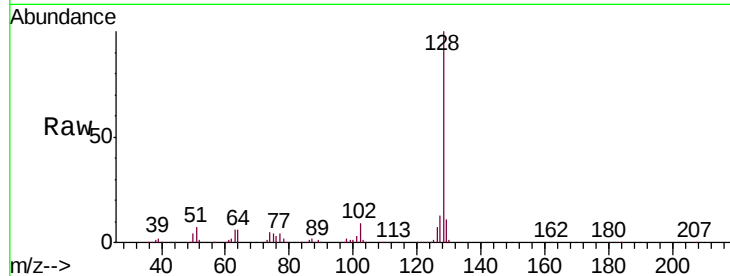




#71
Naphthalene
Concen: 49.009 ug/L
RT: 13.73 min Scan# 3931
Delta R.T. 0.00 min
Lab File: VU033479.D
Acq: 29 Jul 2019 20:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

Tgt Ion:128 Resp: 492963
Ion Ratio Lower Upper
128 100
127 13.6 10.8 16.2
129 11.0 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 47.745 ug/L
RT: 13.97 min Scan# 4007
Delta R.T. 0.00 min
Lab File: VU033479.D
Acq: 29 Jul 2019 20:01

Tgt Ion:180 Resp: 173977
Ion Ratio Lower Upper
180 100
182 95.2 76.4 114.6
145 31.9 24.9 37.3

