

Data File : VU033066.D
Acq On : 27 Jun 2019 14:56
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Quant Time: Jun 28 02:46:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 28 02:43:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	188940	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	187567	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	101969	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	46867	36.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.60%
7) Chloroethane-d5	1.67	69	44027	42.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.50%
11) 1,1-Dichloroethene-d2	2.27	63	111473	42.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.70%
21) 2-Butanone-d5	4.17	46	125538	116.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.81%
24) Chloroform-d	4.64	84	125527	50.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.02%
26) 1,2-Dichloroethane-d4	5.30	65	84881	50.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.52%
32) Benzene-d6	5.33	84	223558	45.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.44%
36) 1,2-Dichloropropane-d6	6.32	67	74880	48.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.14%
41) Toluene-d8	7.56	98	212123	46.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.66%
43) trans-1,3-Dichloropropene-	7.84	79	38847	47.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.90%
47) 2-Hexanone-d5	8.31	63	76226	104.81	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.81%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	123030	51.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.18%
64) 1,2-Dichlorobenzene-d4	11.85	152	93503	47.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.78%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	95771	50.181	ug/L 100
3) Chloromethane	1.32	50	82201	47.521	ug/L 99
5) Vinyl chloride	1.40	62	82494	48.081	ug/L 98
6) Bromomethane	1.62	94	47448	46.997	ug/L 97
8) Chloroethane	1.69	64	49802	50.425	ug/L 100
9) Trichlorofluoromethane	1.88	101	124138	51.572	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	64806	51.329	ug/L 98
12) 1,1-Dichloroethene	2.28	96	57191	48.067	ug/L 91
13) Acetone	2.32	43	125672	84.659	ug/L 99
14) Carbon disulfide	2.47	76	172010	45.688	ug/L 100
15) Methyl Acetate	2.61	43	93757	55.718	ug/L 97
16) Methylene chloride	2.69	84	71212	51.006	ug/L 97
17) trans-1,2-Dichloroethene	2.97	96	63187	48.972	ug/L 98
18) Methyl tert-butyl Ether	2.99	73	213209	51.468	ug/L 98
19) 1,1-Dichloroethane	3.44	63	129672	52.716	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	72821	51.808	ug/L 98
22) 2-Butanone	4.25	43	153878	100.013	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	38016	51.845	ug/L	98
25) Chloroform	4.67	83	134835	53.154	ug/L	98
27) 1,2-Dichloroethane	5.40	62	114178	54.791	ug/L	98
29) Cyclohexane	4.99	56	109360	49.933	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	119325	52.217	ug/L	99
31) Carbon tetrachloride	5.13	117	105979	50.970	ug/L	100
33) Benzene	5.38	78	275747	51.033	ug/L	100
34) Trichloroethene	6.18	95	73855	51.157	ug/L	98
35) Methylcyclohexane	6.41	83	113415	50.823	ug/L	98
37) 1,2-Dichloropropane	6.42	63	77090	52.011	ug/L	99
38) Bromodichloromethane	6.75	83	103865	52.115	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	121035	52.415	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	259663	109.732	ug/L	98
42) Toluene	7.63	91	300587	51.416	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	113285	52.231	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	71467	51.804	ug/L	98
46) Tetrachloroethene	8.22	164	59808	50.557	ug/L	99
48) 2-Hexanone	8.36	43	211212	101.163	ug/L	100
49) Dibromochloromethane	8.47	129	84333	50.708	ug/L	97
50) 1,2-Dibromoethane	8.58	107	78635	51.326	ug/L	100
51) Chlorobenzene	9.11	112	196567	51.095	ug/L	97
52) Ethylbenzene	9.24	91	336827	52.051	ug/L	99
53) m,p-Xylene	9.37	106	126619	51.861	ug/L	98
54) o-xylene	9.77	106	122227	51.263	ug/L	99
55) Styrene	9.78	104	213388	51.589	ug/L	93
56) Isopropylbenzene	10.16	105	330746	51.473	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	128018	51.283	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	103384	52.267	ug/L	99
61) Bromoform	9.95	173	65109	48.900	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	157478	49.685	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	160907	49.151	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	159530	49.295	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	31225	50.574	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	124974	49.073	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	105269	48.038	ug/L	99
69) Naphthalene	13.74	128	296176	43.958	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	111337	47.994	ug/L	98

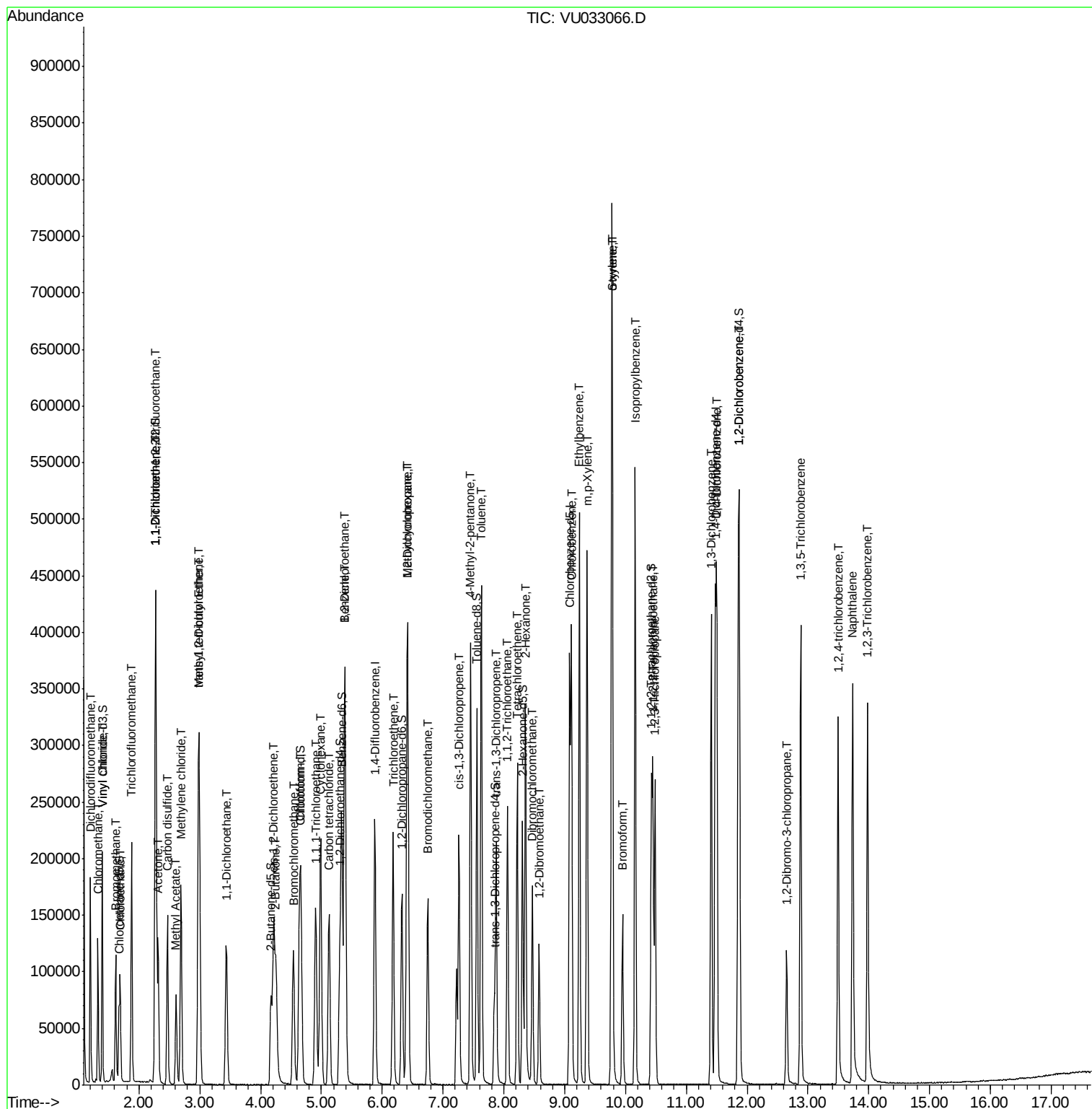
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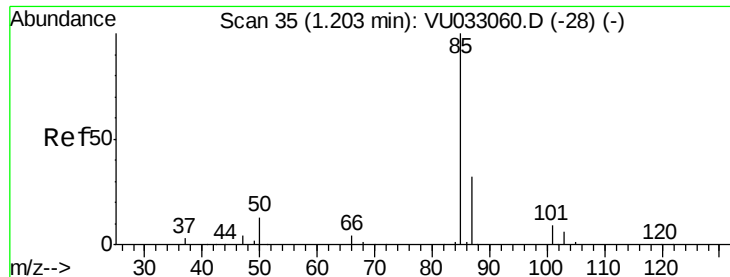
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#2

Dichlorodifluoromethane

Concen: 50.181 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

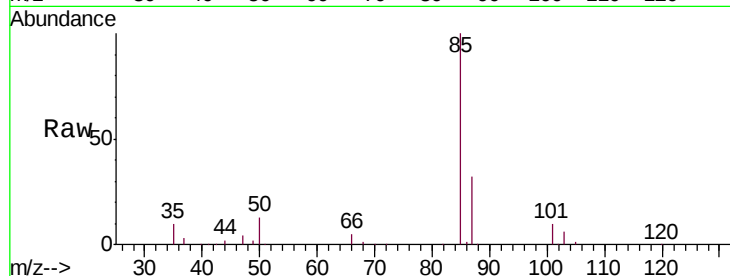
VSTD05042

Tgt Ion: 85 Resp: 95771

Ion Ratio Lower Upper

85 100

87 32.2 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU033066.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU033066.D (-28) (-)

1.20

100000

80000

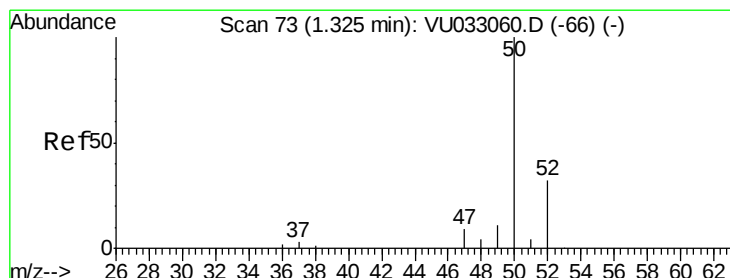
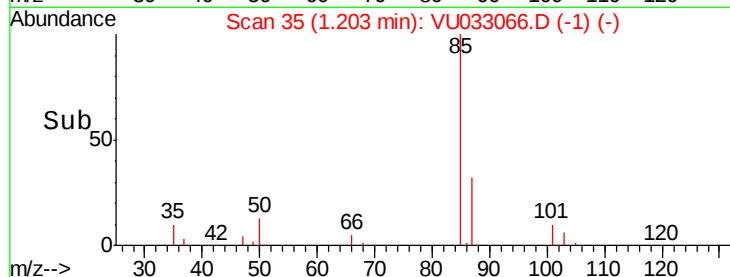
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 47.521 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU033066.D

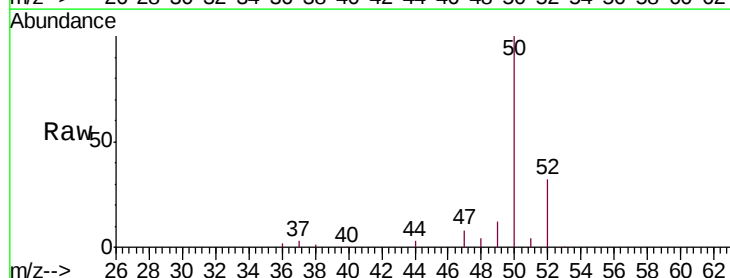
Acq: 27 Jun 2019 14:56

Tgt Ion: 50 Resp: 82201

Ion Ratio Lower Upper

50 100

52 32.4 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU033066.D (-66) (-)

Ion 52.00 (51.70 to 52.70): VU033066.D (-66) (-)

1.32

80000

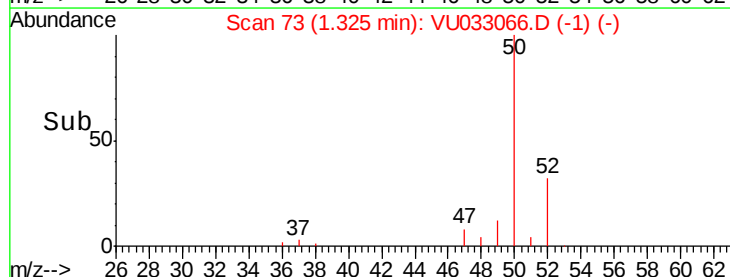
60000

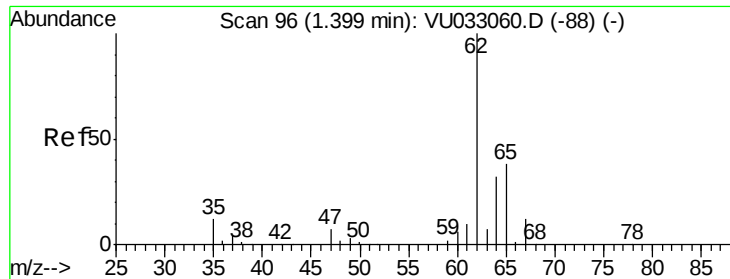
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 48.081 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

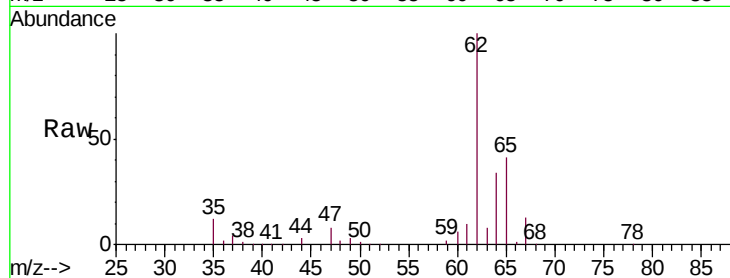
VSTD05042

Tgt Ion: 62 Resp: 82494

Ion Ratio Lower Upper

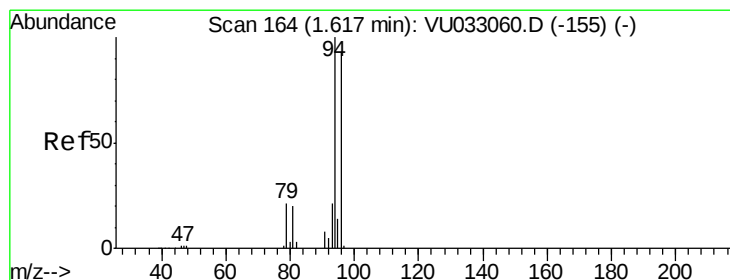
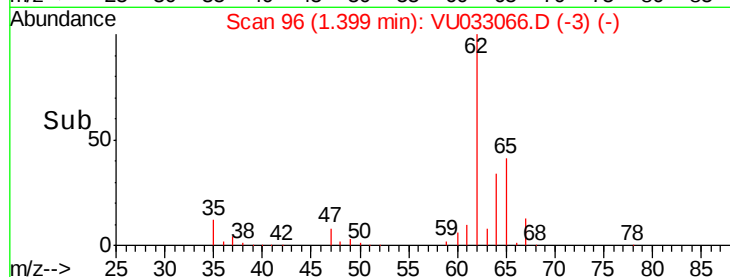
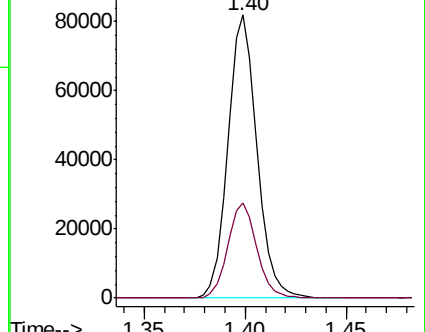
62 100

64 33.8 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU033066.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU033066.D (-88) (-)



#6

Bromomethane

Concen: 46.997 ug/L

RT: 1.62 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU033066.D

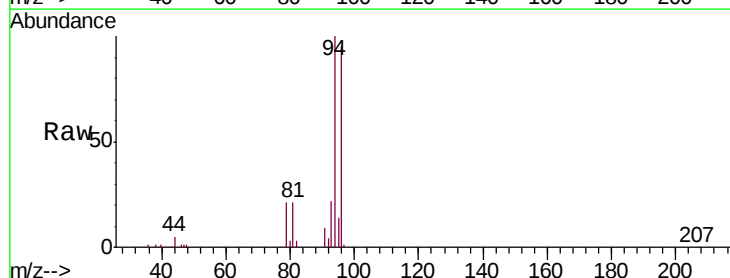
Acq: 27 Jun 2019 14:56

Tgt Ion: 94 Resp: 47448

Ion Ratio Lower Upper

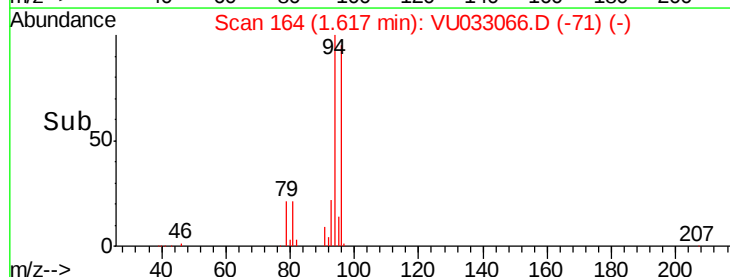
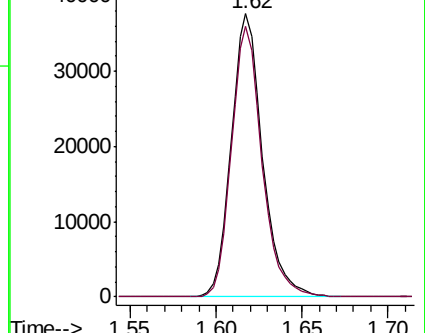
94 100

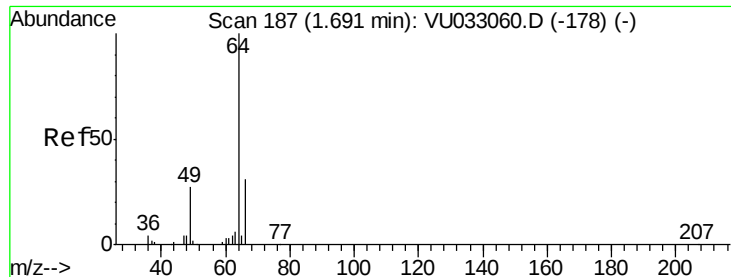
96 95.4 64.8 120.4



Abundance Ion 94.00 (93.70 to 94.70): VU033066.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU033066.D (-155) (-)





#8

Chloroethane

Concen: 50.425 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

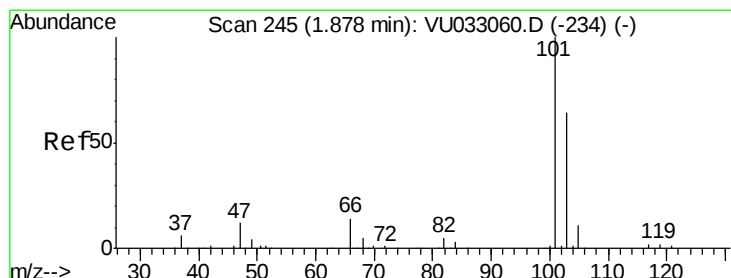
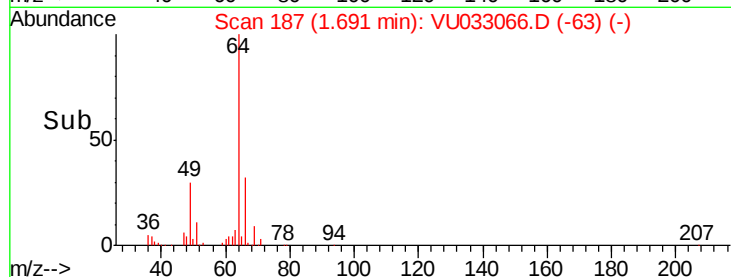
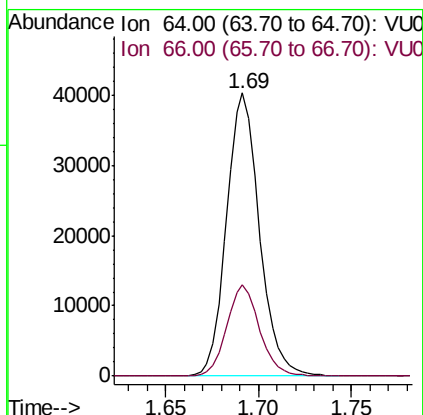
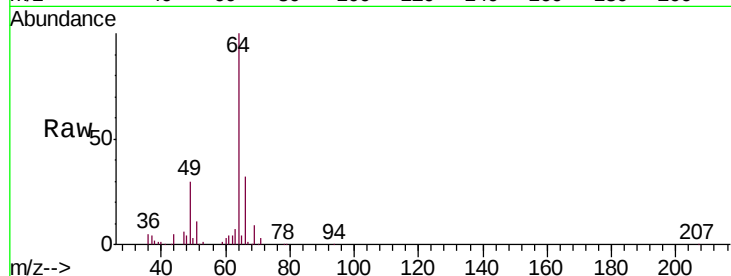
VSTD05042

Tgt Ion: 64 Resp: 49802

Ion Ratio Lower Upper

64 100

66 32.2 22.5 41.7



#9

Trichlorofluoromethane

Concen: 51.572 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU033066.D

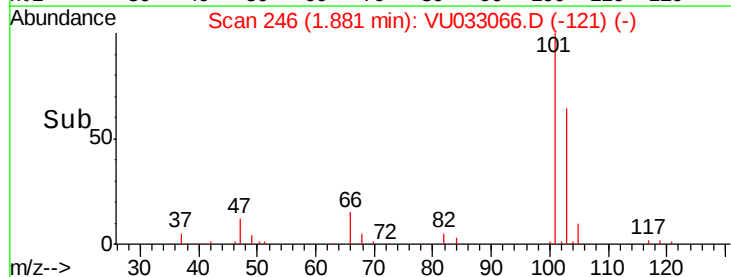
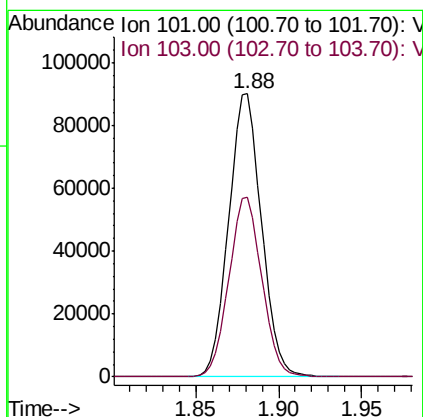
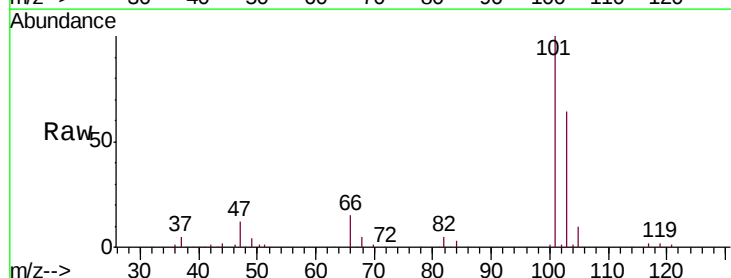
Acq: 27 Jun 2019 14:56

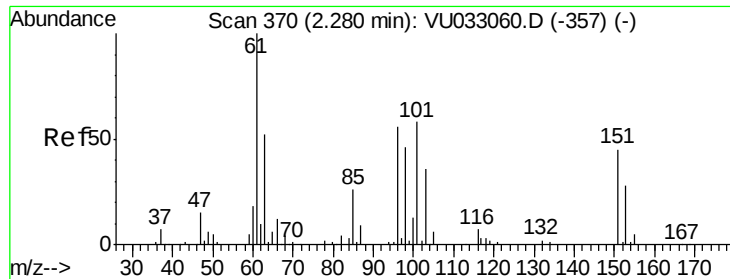
Tgt Ion: 101 Resp: 124138

Ion Ratio Lower Upper

101 100

103 64.0 51.3 76.9





#10

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

Concen: 51.329 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

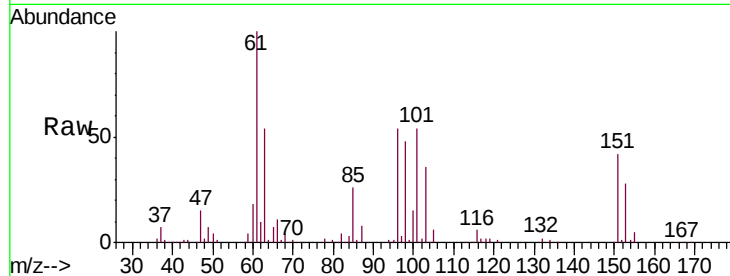
Tgt Ion:101 Resp: 64806

Ion Ratio Lower Upper

101 100

85 46.8 36.8 55.2

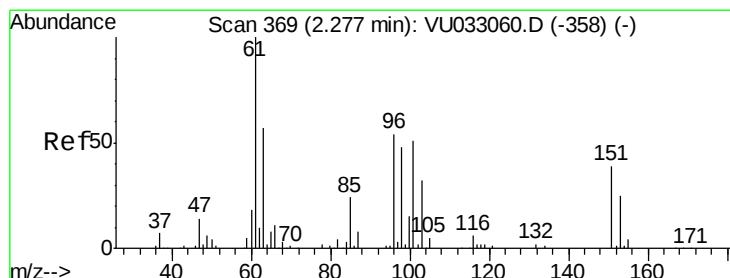
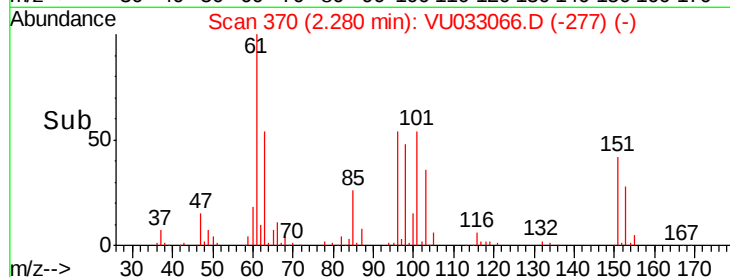
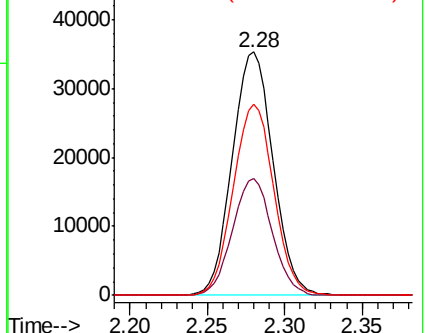
151 77.8 63.6 95.4



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: 48.067 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

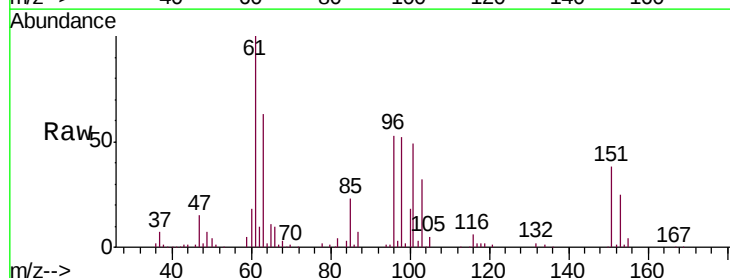
Tgt Ion: 96 Resp: 57191

Ion Ratio Lower Upper

96 100

61 187.1 131.0 243.4

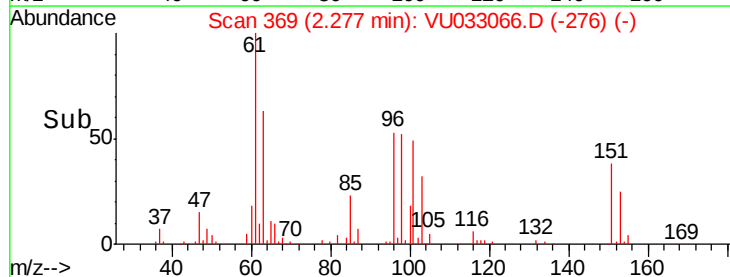
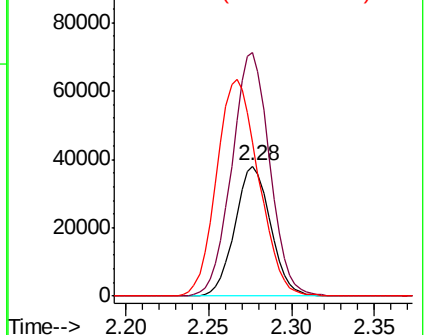
63 118.1 101.0 187.6

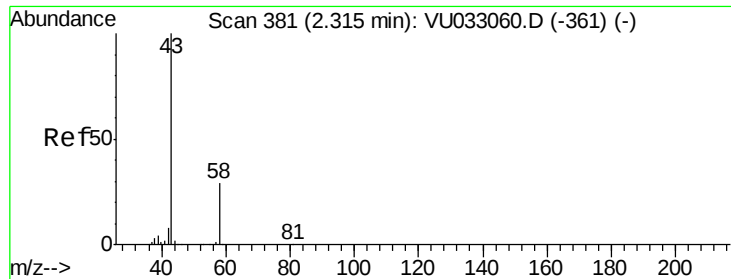


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 84.659 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU033066.D

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MSVOA_U

ClientSampleId :

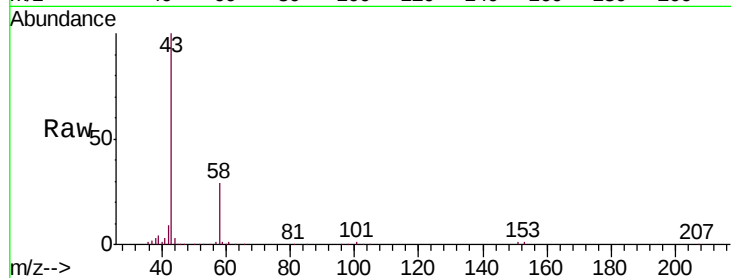
VSTD05042

Tgt Ion: 43 Resp: 125672

Ion Ratio Lower Upper

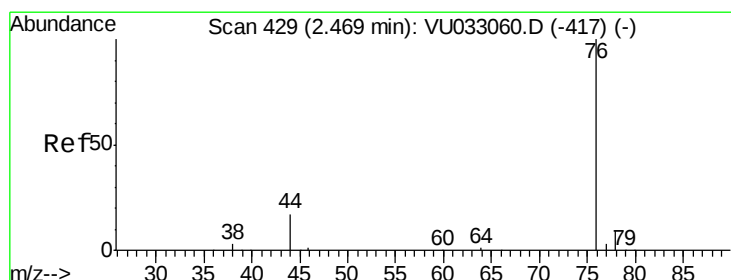
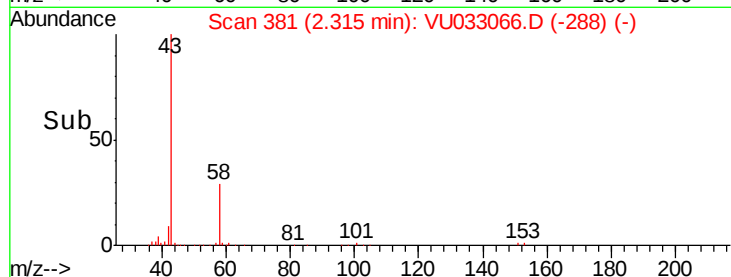
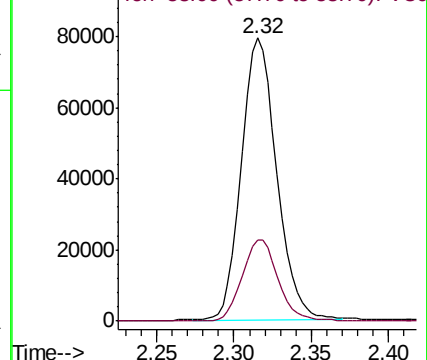
43 100

58 29.6 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU033066.D (-361) (-)

Ion 58.00 (57.70 to 58.70): VU033066.D (-361) (-)



#14

Carbon disulfide

Concen: 45.688 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU033066.D

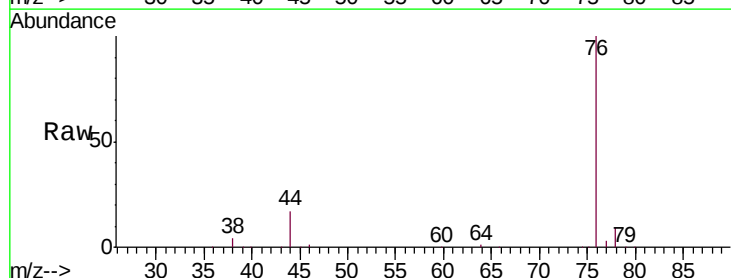
Acq: 27 Jun 2019 14:56

Tgt Ion: 76 Resp: 172010

Ion Ratio Lower Upper

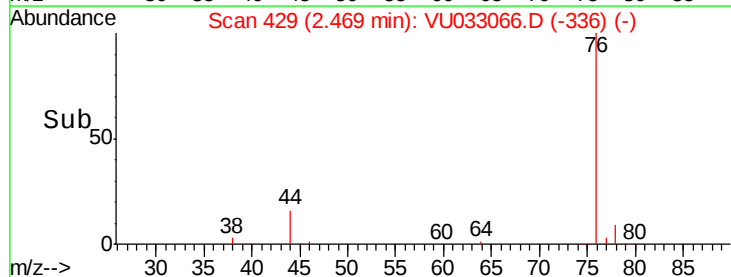
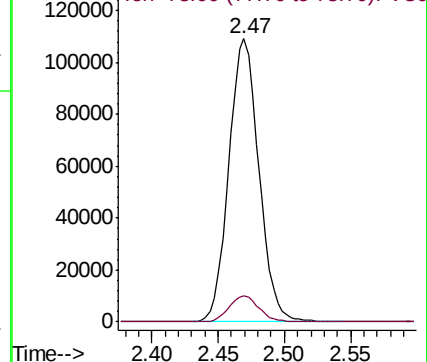
76 100

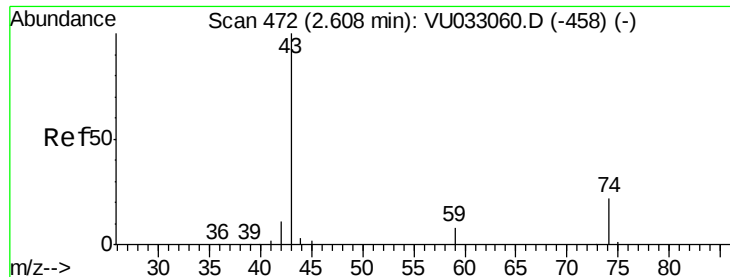
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU033066.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU033066.D (-417) (-)





#15

Methyl Acetate

Concen: 55.718 ug/L

RT: 2.61 min Scan# 473

Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

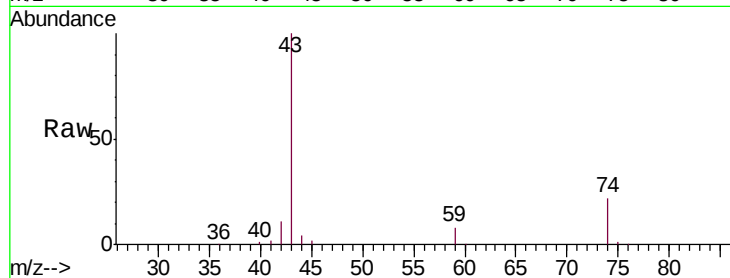
VSTD05042

Tgt Ion: 43 Resp: 93757

Ion Ratio Lower Upper

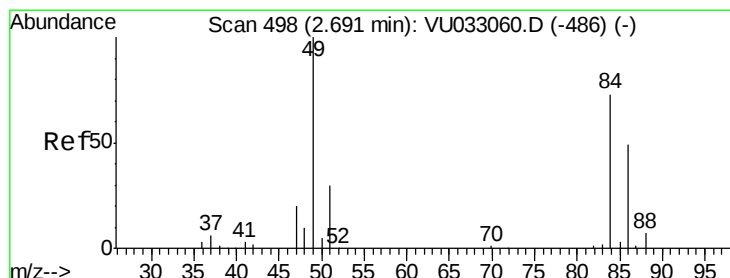
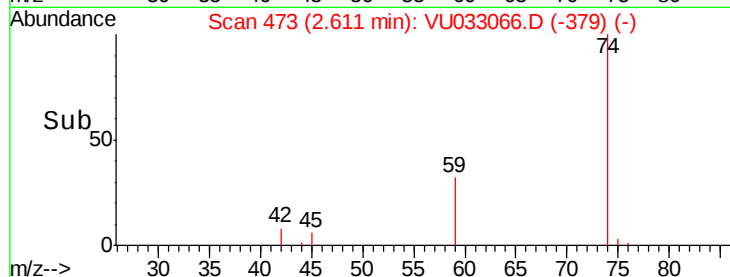
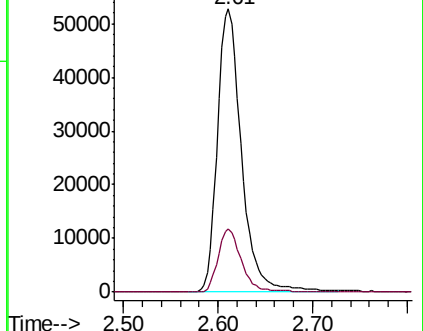
43 100

74 21.1 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VU033066.D (-458) (-)

Ion 74.00 (73.70 to 74.70): VU033066.D (-458) (-)



#16

Methylene chloride

Concen: 51.006 ug/L

RT: 2.69 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

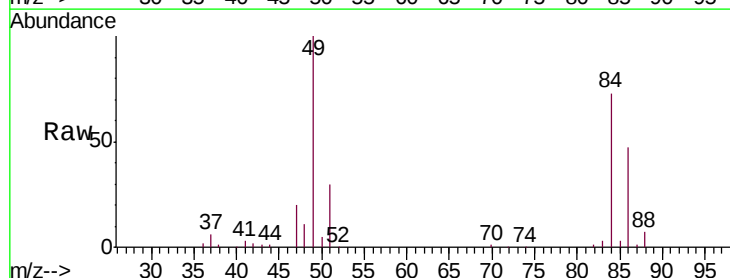
Tgt Ion: 84 Resp: 71212

Ion Ratio Lower Upper

84 100

86 64.4 45.5 84.5

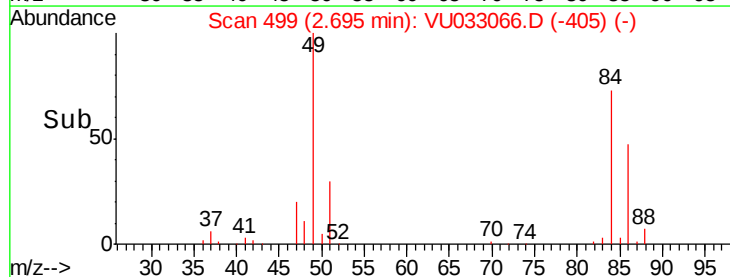
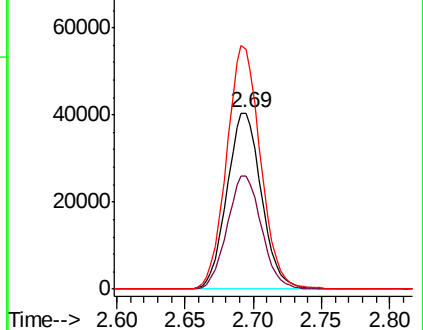
49 136.1 92.1 171.1

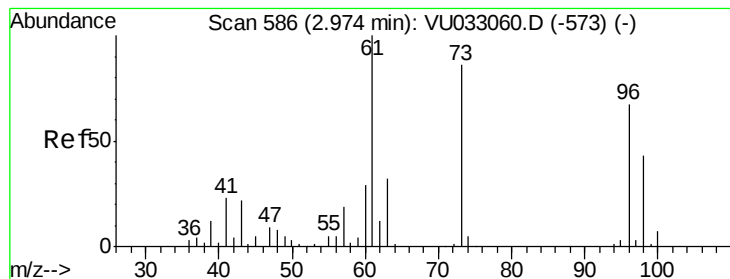


Abundance Ion 84.00 (83.70 to 84.70): VU033066.D (-486) (-)

Ion 86.00 (85.70 to 86.70): VU033066.D (-486) (-)

Ion 49.00 (48.70 to 49.70): VU033066.D (-486) (-)





#17

trans-1,2-Dichloroethene

Concen: 48.972 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

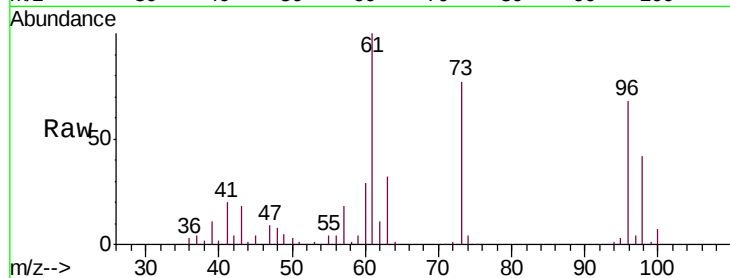
Tgt Ion: 96 Resp: 63187

Ion Ratio Lower Upper

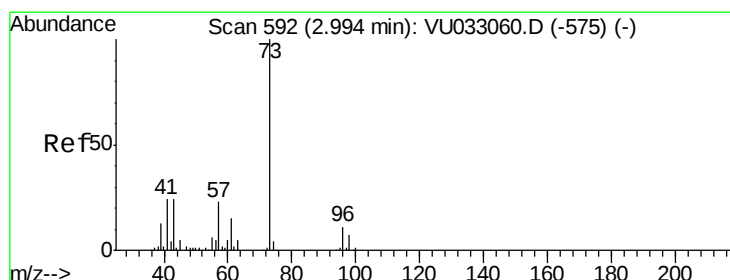
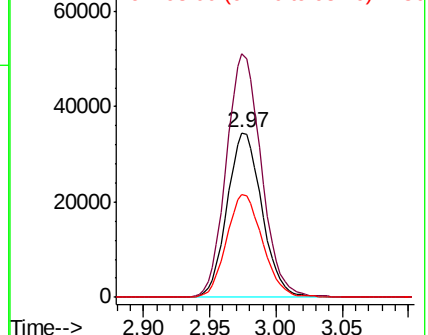
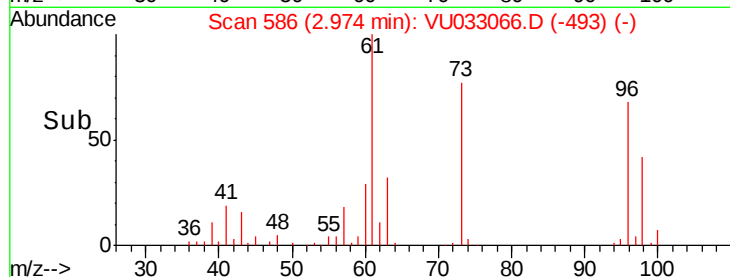
96 100

61 148.0 100.9 187.5

98 62.7 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU033066.D (-493) (-)



#18

Methyl tert-butyl Ether

Concen: 51.468 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

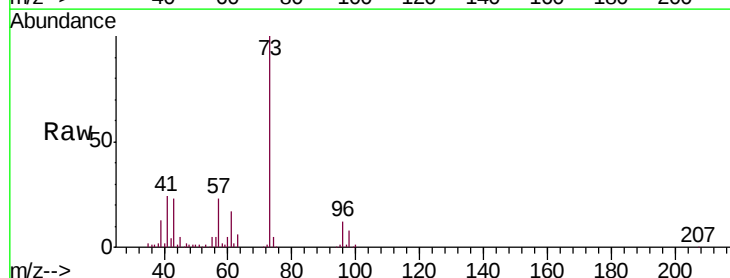
Tgt Ion: 73 Resp: 213209

Ion Ratio Lower Upper

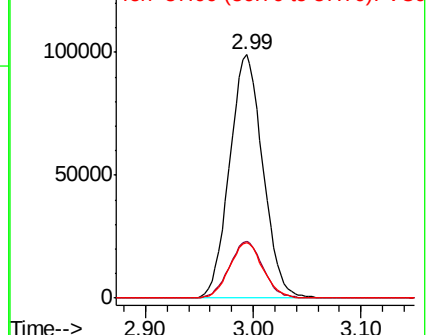
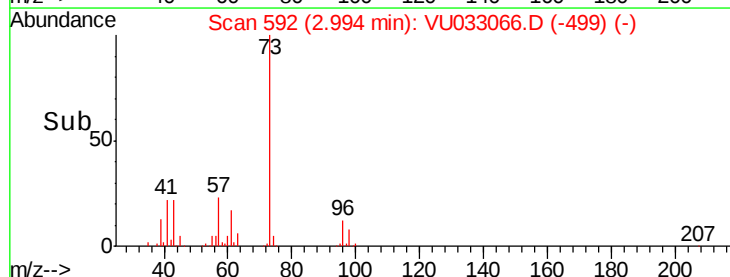
73 100

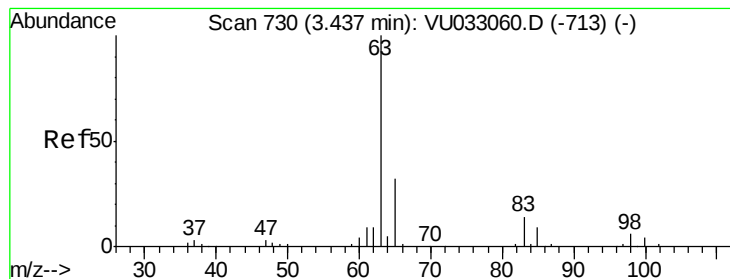
43 23.5 17.8 26.8

57 22.9 17.8 26.6



Abundance Ion 73.00 (72.70 to 73.70): VU033066.D (-499) (-)





#19

1,1-Dichloroethane

Concen: 52.716 ug/L

RT: 3.44 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

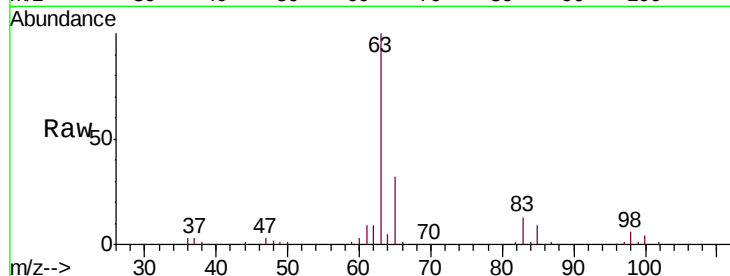
Tgt Ion: 63 Resp: 129672

Ion Ratio Lower Upper

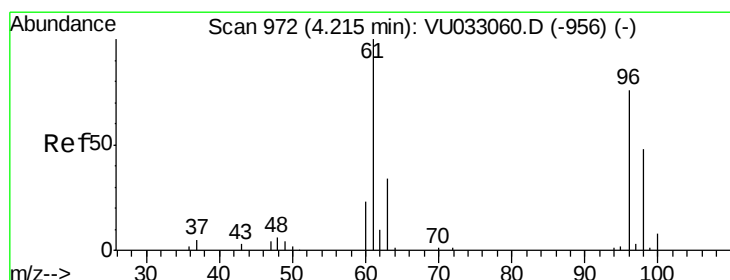
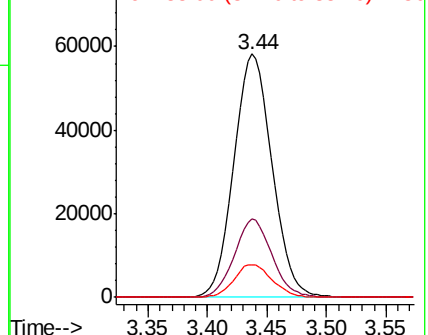
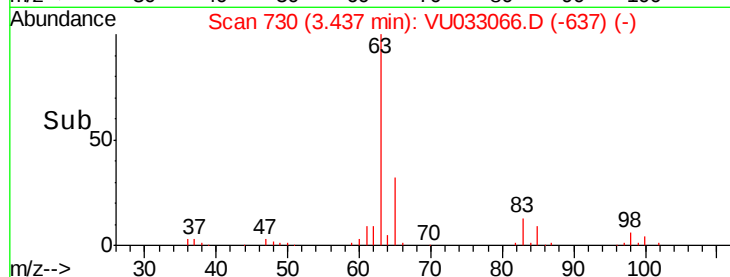
63 100

65 32.3 22.0 41.0

83 13.4 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VU033066.D (-637) (-)



#20

cis-1,2-Dichloroethene

Concen: 51.808 ug/L

RT: 4.22 min Scan# 972

Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

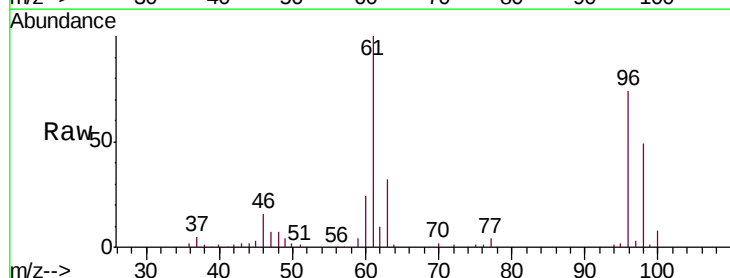
Tgt Ion: 96 Resp: 72821

Ion Ratio Lower Upper

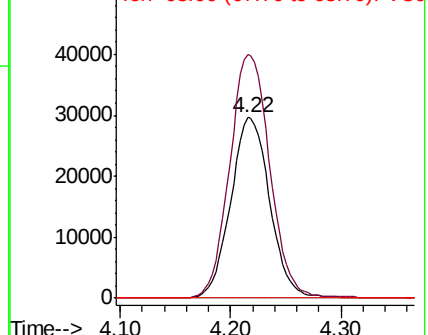
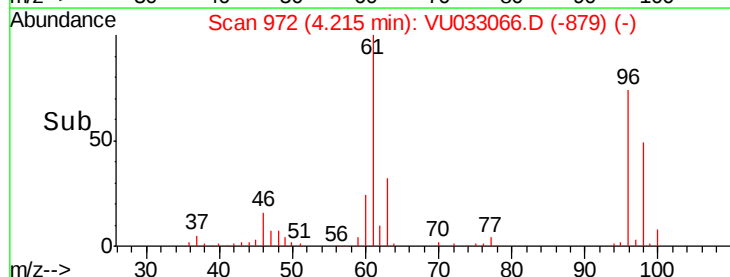
96 100

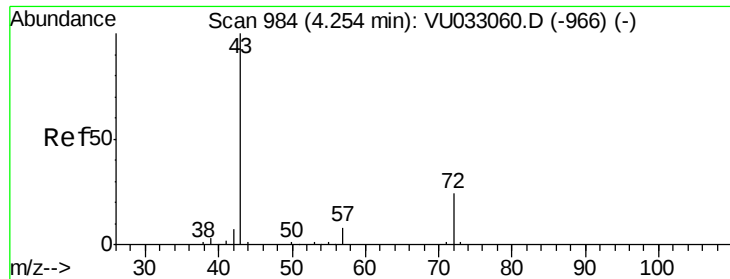
61 134.8 92.4 171.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU033066.D (-879) (-)





#22

2-Butanone

Concen: 100.013 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

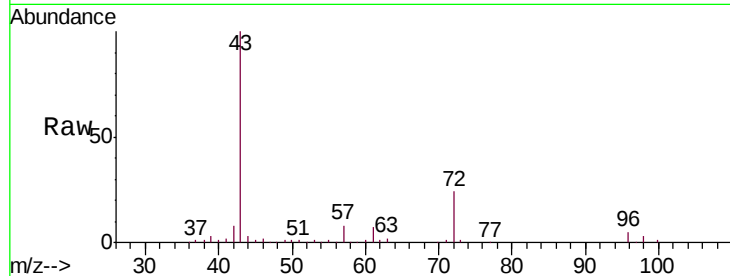
VSTD05042

Tgt Ion: 43 Resp: 153878

Ion Ratio Lower Upper

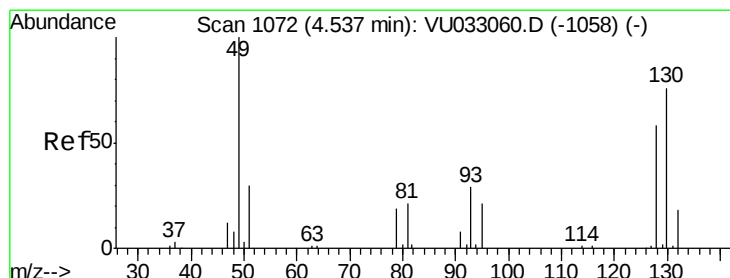
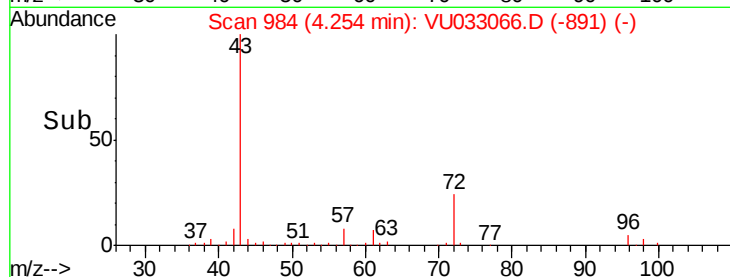
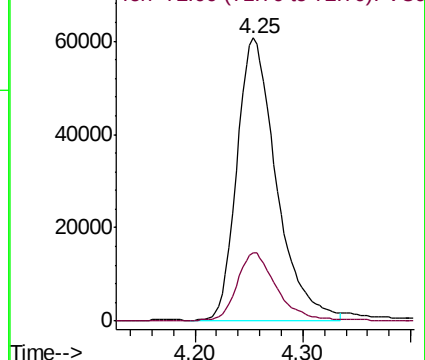
43 100

72 24.5 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU033066.D (-966) (-)

Ion 72.00 (71.70 to 72.70): VU033066.D (-966) (-)



#23

Bromochloromethane

Concen: 51.845 ug/L

RT: 4.54 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

Tgt Ion: 128 Resp: 38016

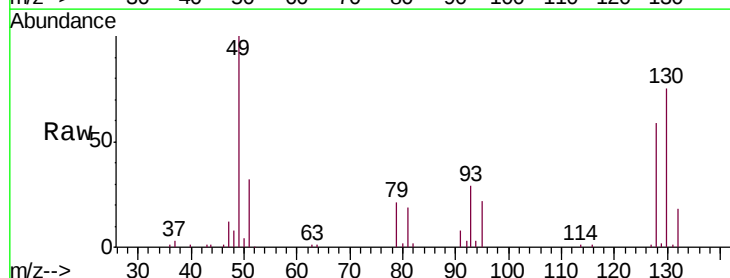
Ion Ratio Lower Upper

128 100

49 168.1 114.7 212.9

130 126.7 89.4 166.0

51 53.2 42.0 63.0

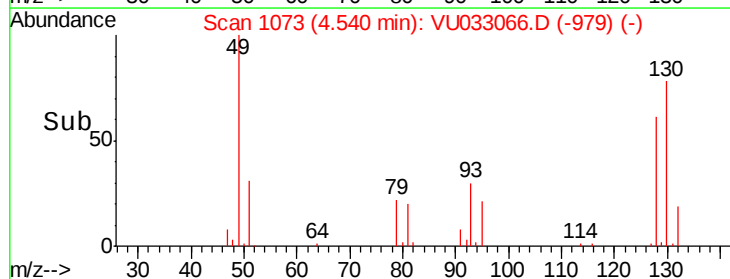
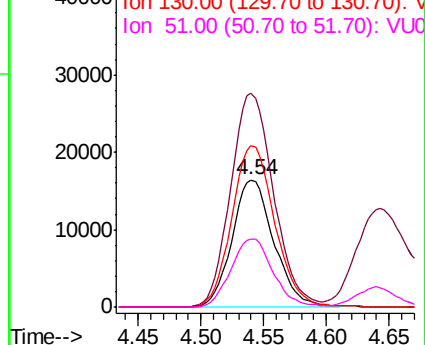


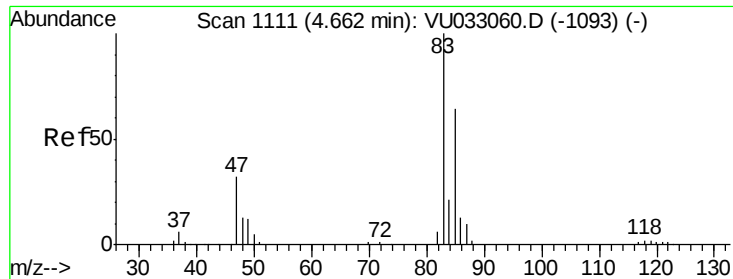
Abundance Ion 128.00 (127.70 to 128.70): VU033066.D (-979) (-)

Ion 49.00 (48.70 to 49.70): VU033066.D (-979) (-)

Ion 130.00 (129.70 to 130.70): VU033066.D (-979) (-)

Ion 51.00 (50.70 to 51.70): VU033066.D (-979) (-)

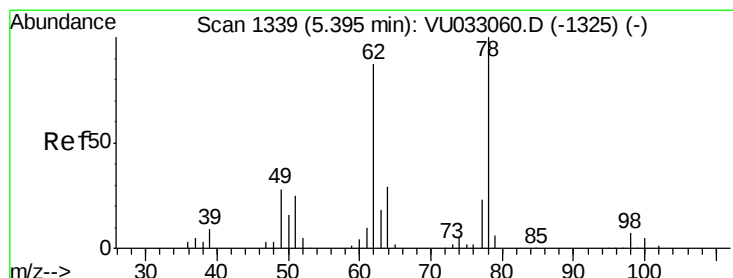
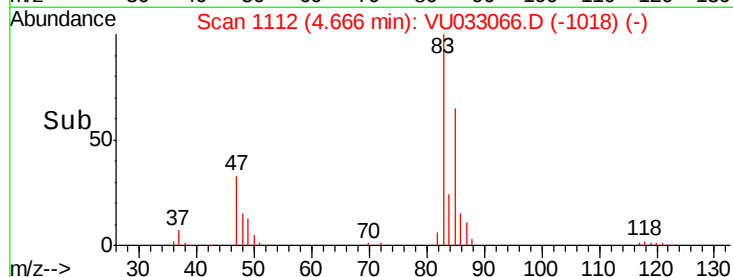
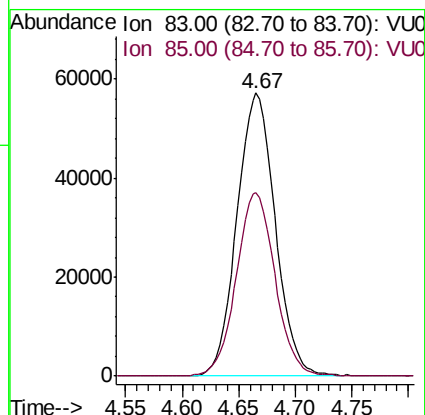
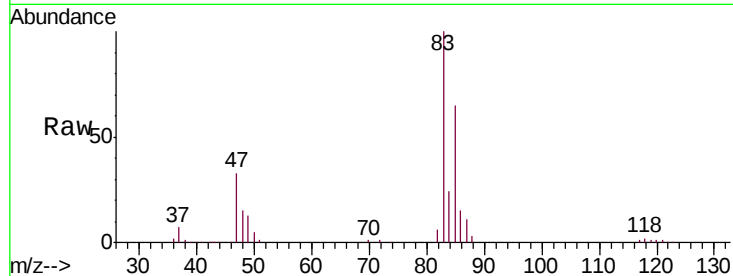




#25
Chloroform
Concen: 53.154 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU033066.D
Acq: 27 Jun 2019 14:56

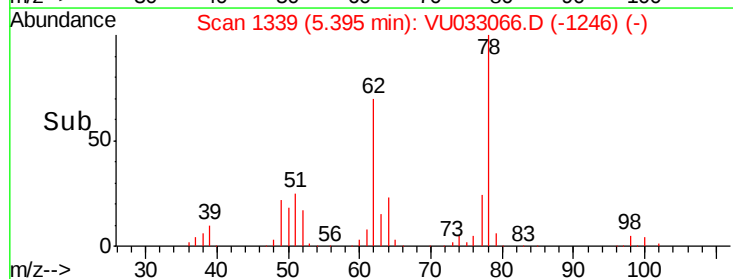
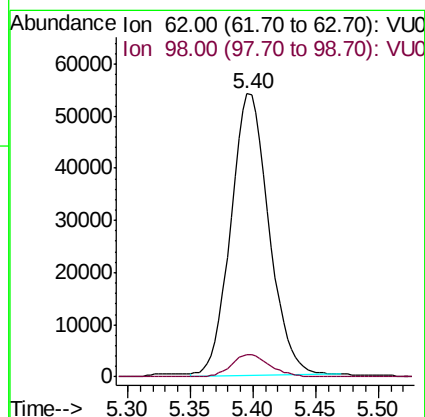
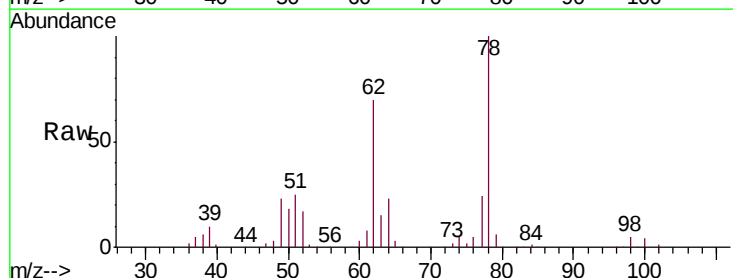
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

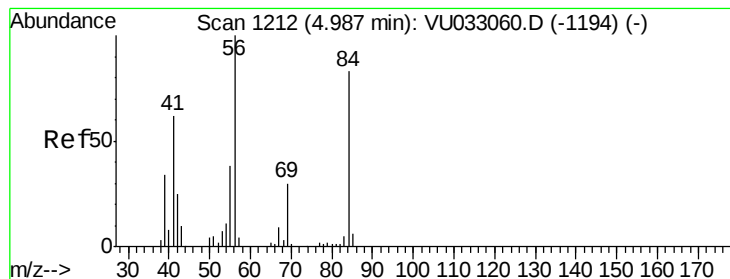
Tgt Ion: 83 Resp: 134835
Ion Ratio Lower Upper
83 100
85 65.0 44.2 82.2



#27
1,2-Dichloroethane
Concen: 54.791 ug/L
RT: 5.40 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VU033066.D
Acq: 27 Jun 2019 14:56

Tgt Ion: 62 Resp: 114178
Ion Ratio Lower Upper
62 100
98 7.7 6.6 10.0





#29

Cyclohexane

Concen: 49.933 ug/L

RT: 4.99 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

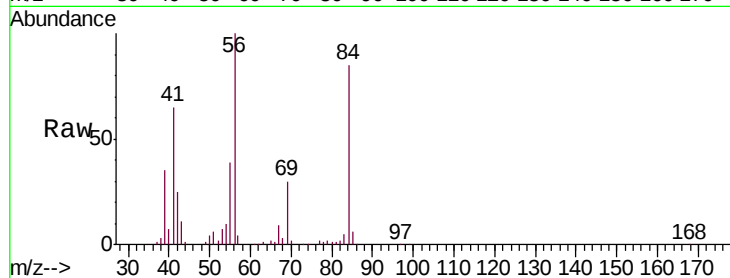
Tgt Ion: 56 Resp: 109360

Ion Ratio Lower Upper

56 100

69 29.8 24.2 36.4

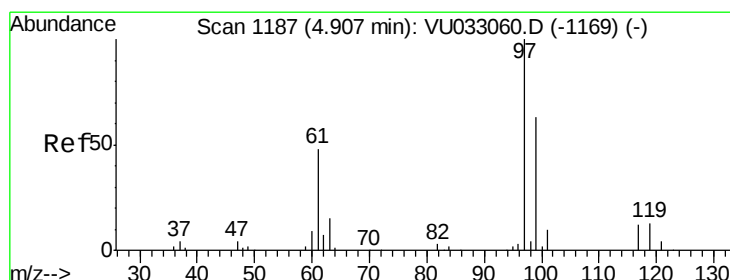
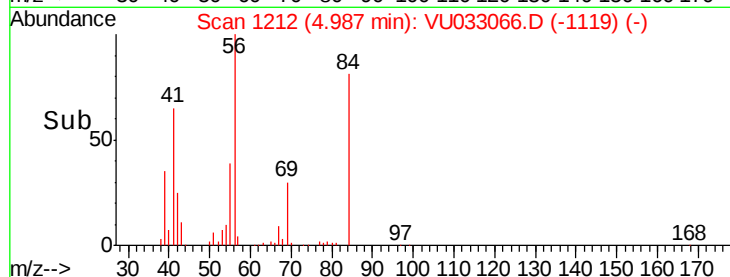
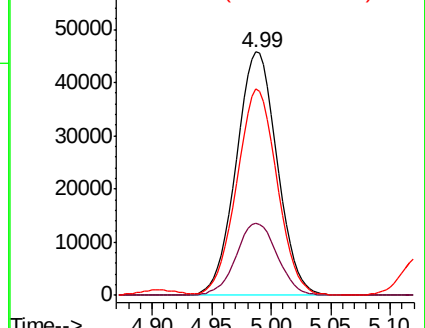
84 83.6 68.0 102.0



Abundance Ion 56.00 (55.70 to 56.70): VU033066.D (-1194) (-)

Ion 69.00 (68.70 to 69.70): VU033066.D (-1194) (-)

Ion 84.00 (83.70 to 84.70): VU033066.D (-1194) (-)



#30

1,1,1-Trichloroethane

Concen: 52.217 ug/L

RT: 4.91 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

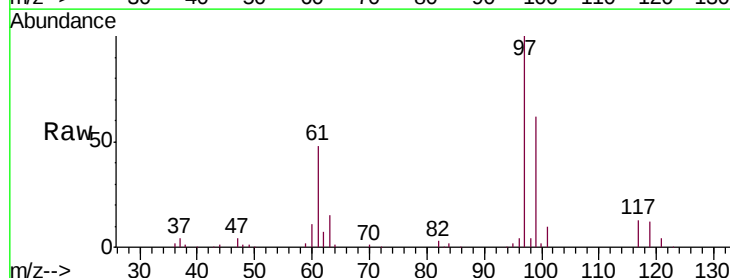
Tgt Ion: 97 Resp: 119325

Ion Ratio Lower Upper

97 100

99 63.3 50.7 76.1

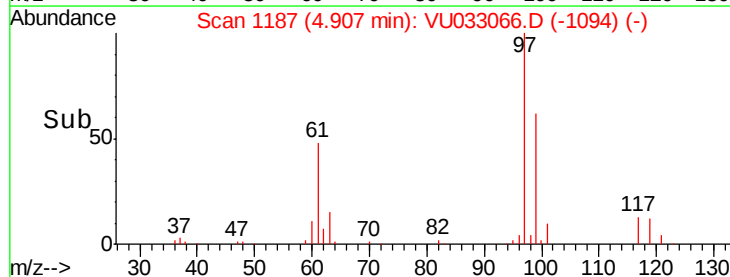
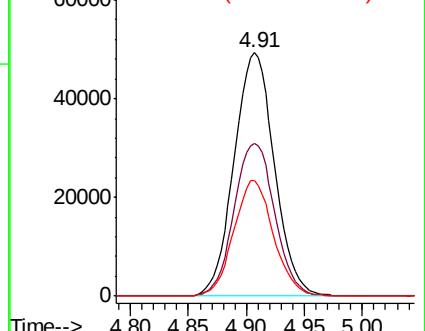
61 46.8 36.7 55.1

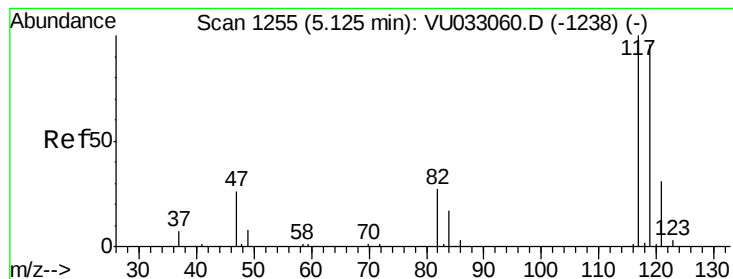


Abundance Ion 97.00 (96.70 to 97.70): VU033066.D (-1094) (-)

Ion 99.00 (98.70 to 99.70): VU033066.D (-1094) (-)

Ion 61.05 (60.75 to 61.75): VU033066.D (-1094) (-)





#31

Carbon tetrachloride

Concen: 50.970 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

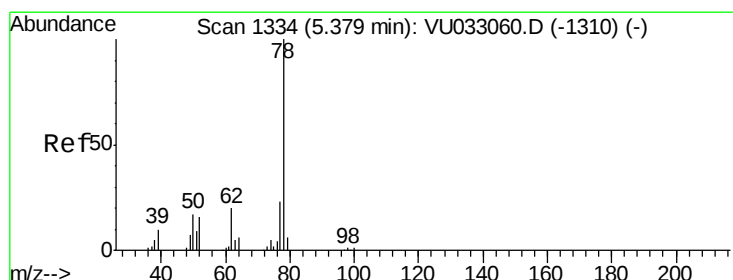
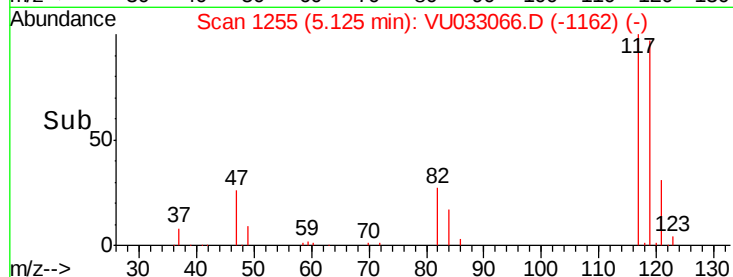
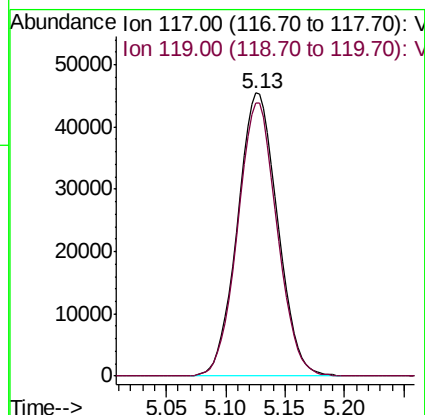
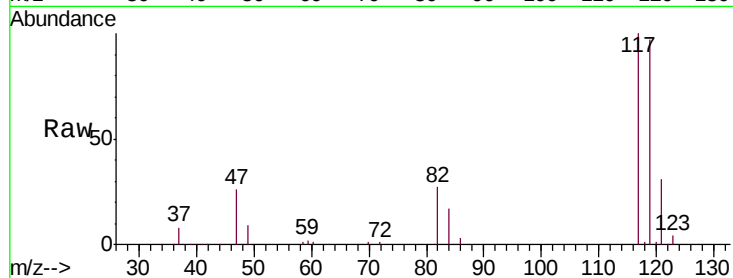
VSTD05042

Tgt Ion:117 Resp: 105979

Ion Ratio Lower Upper

117 100

119 95.1 76.3 114.5



#33

Benzene

Concen: 51.033 ug/L

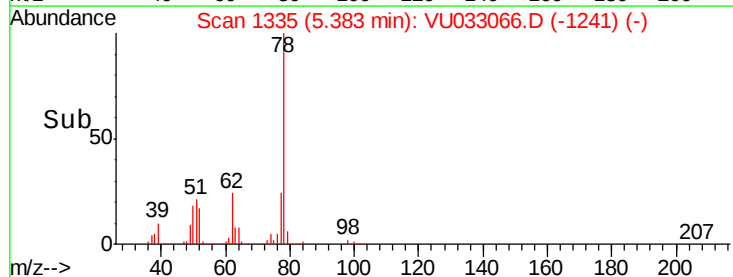
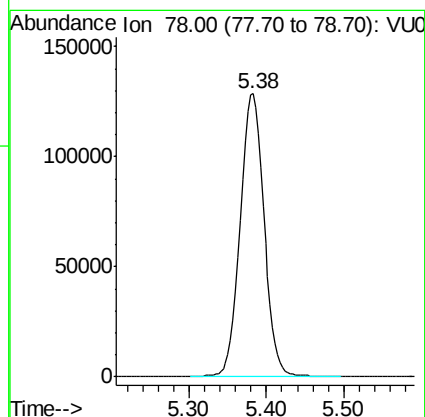
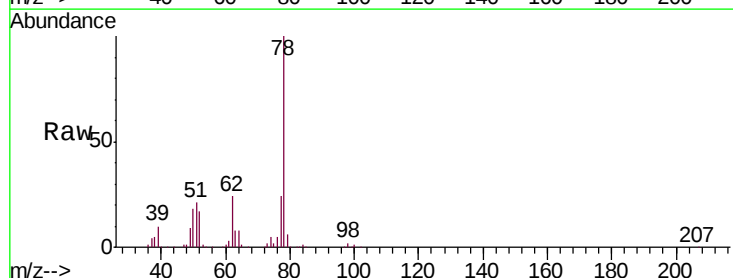
RT: 5.38 min Scan# 1335

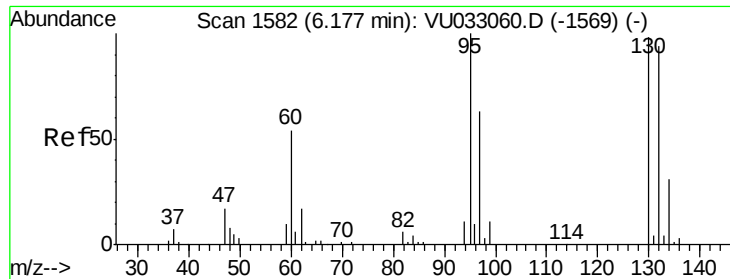
Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

Tgt Ion: 78 Resp: 275747





#34

Trichloroethene

Concen: 51.157 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

Tgt Ion: 95 Resp: 73855

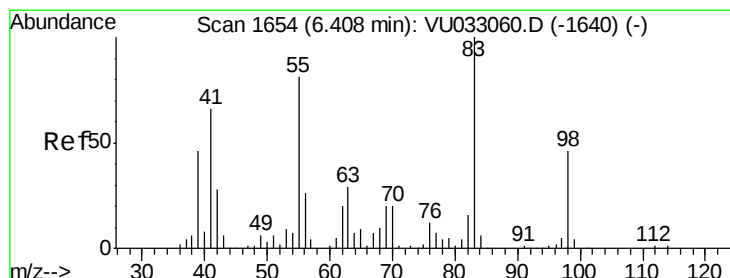
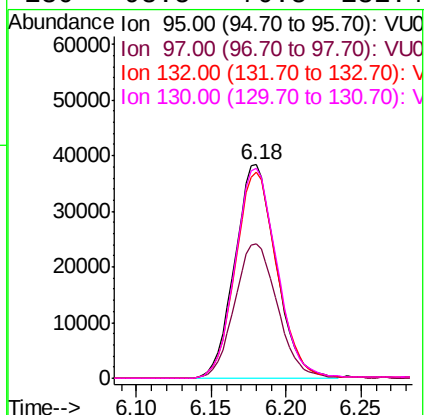
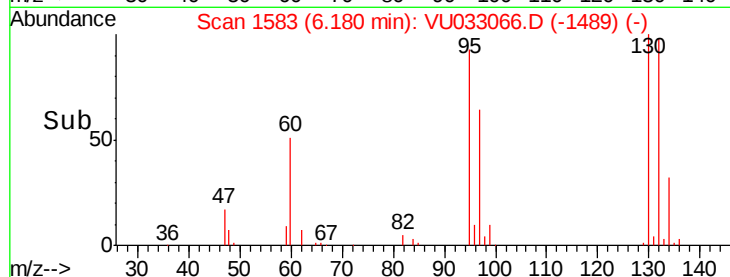
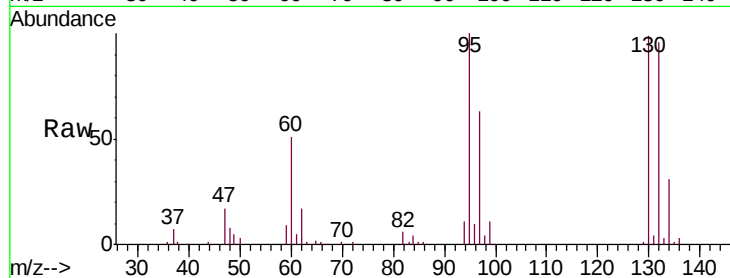
Ion Ratio Lower Upper

95 100

97 63.2 45.9 85.3

132 96.4 68.5 127.3

130 98.5 70.8 131.4



#35

Methylcyclohexane

Concen: 50.823 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

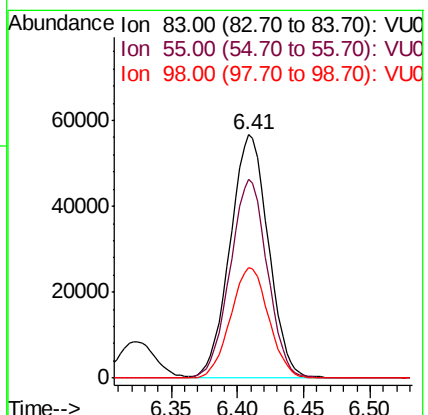
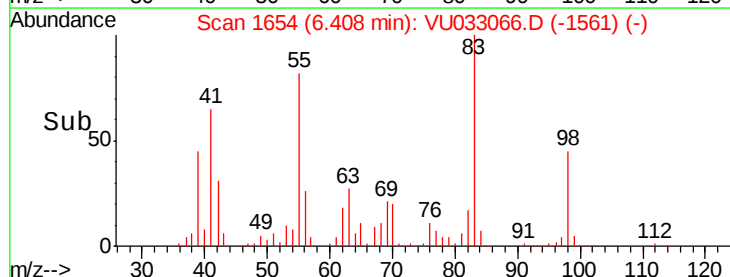
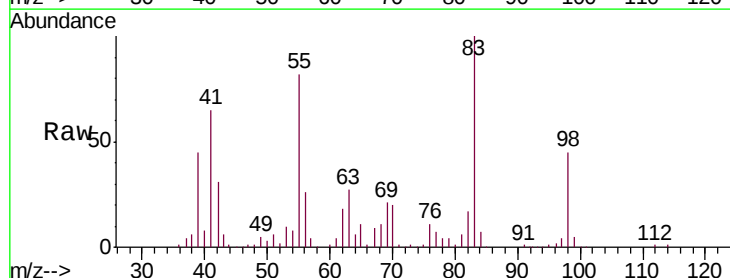
Tgt Ion: 83 Resp: 113415

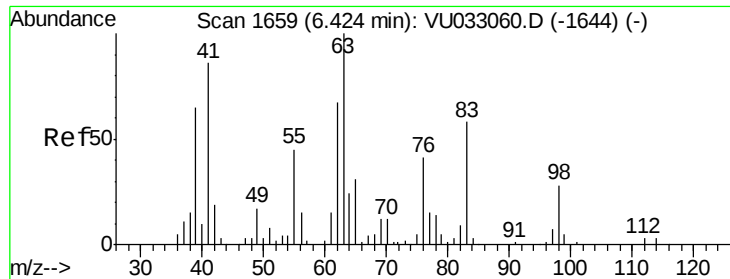
Ion Ratio Lower Upper

83 100

55 79.9 62.6 94.0

98 45.4 37.4 56.0





#37

1,2-Dichloropropane

Concen: 52.011 ug/L

RT: 6.42 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

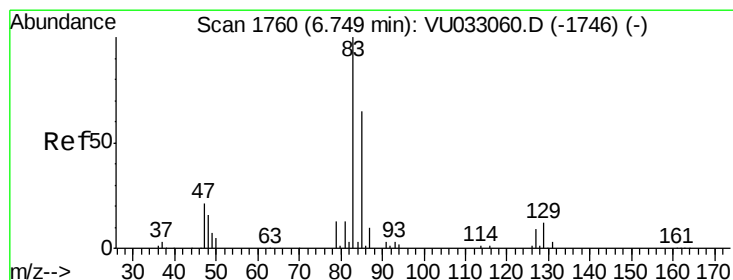
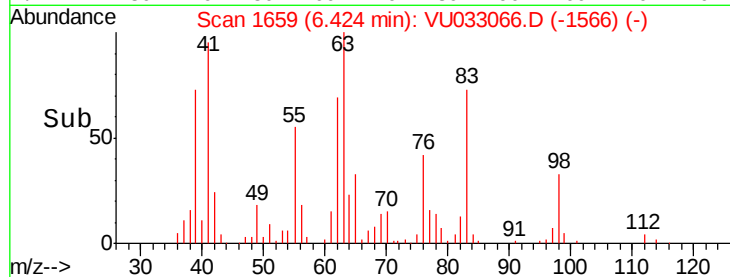
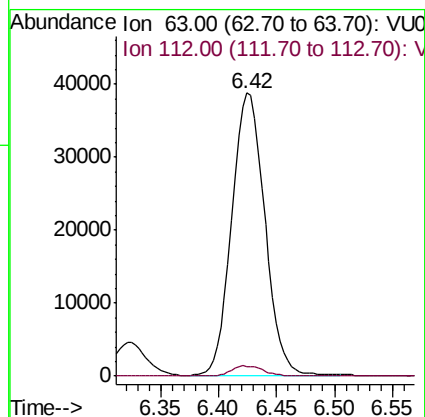
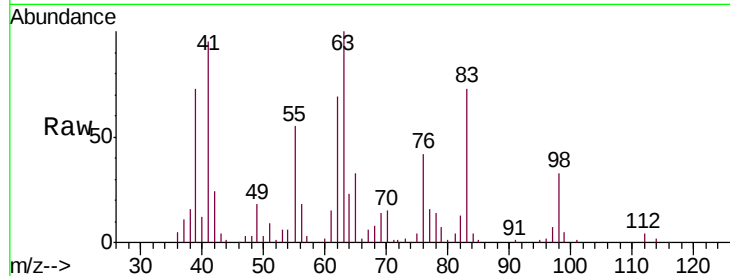
VSTD05042

Tgt Ion: 63 Resp: 77090

Ion Ratio Lower Upper

63 100

112 3.5 3.0 4.6



#38

Bromodichloromethane

Concen: 52.115 ug/L

RT: 6.75 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

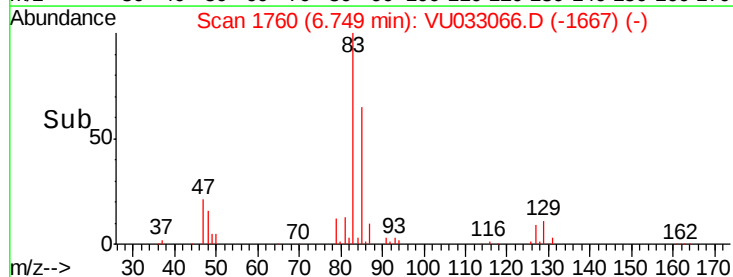
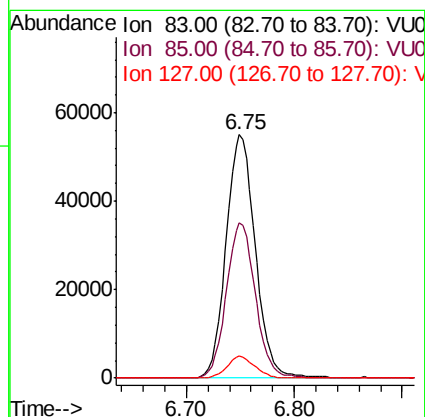
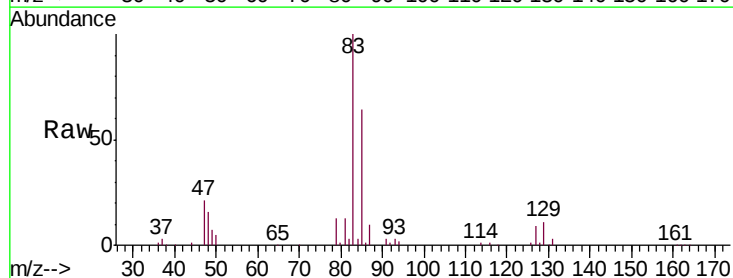
Tgt Ion: 83 Resp: 103865

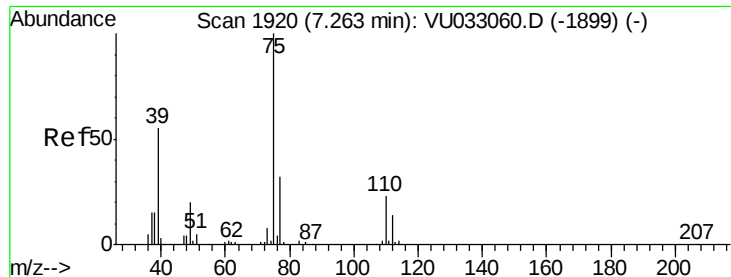
Ion Ratio Lower Upper

83 100

85 63.9 45.0 83.6

127 9.3 7.0 10.6

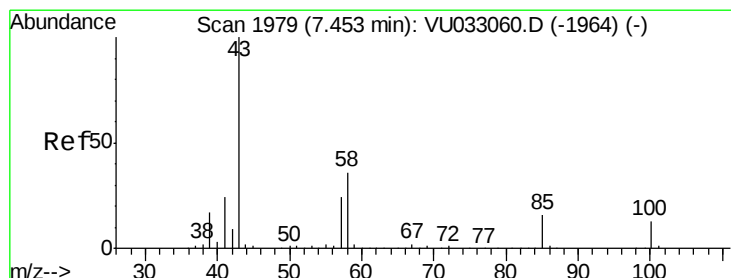
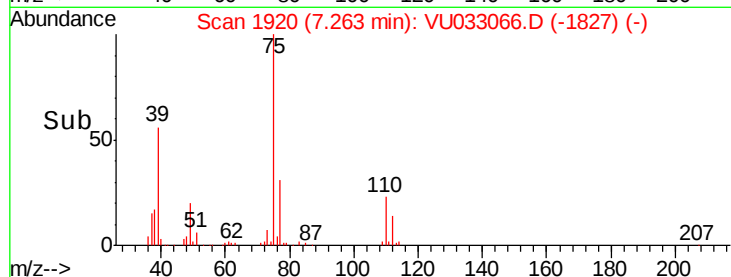
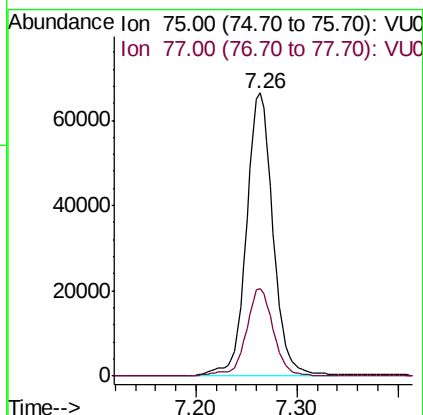
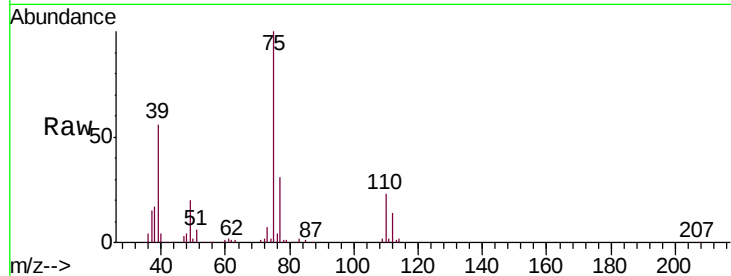




#39
 cis-1,3-Dichloropropene
 Concen: 52.415 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU033066.D
 Acq: 27 Jun 2019 14:56

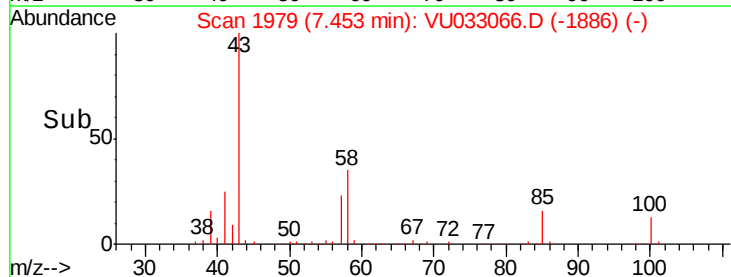
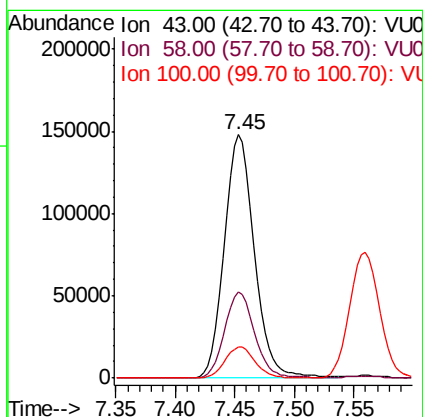
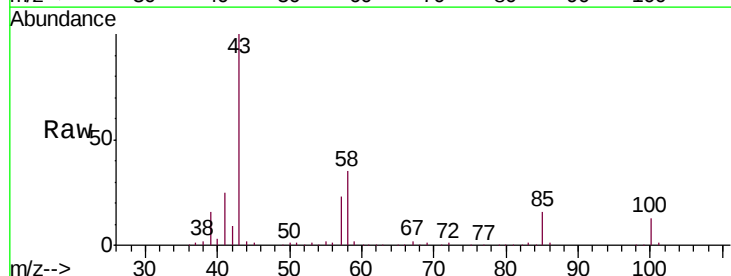
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

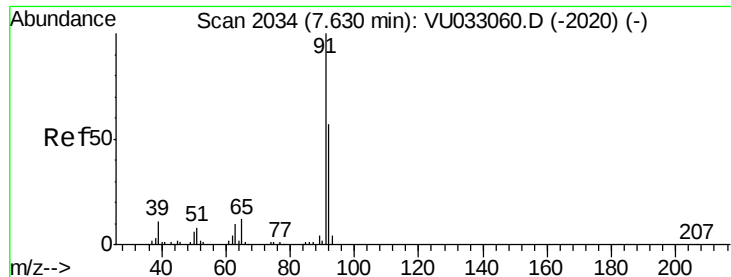
Tgt Ion: 75 Resp: 121035
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 109.732 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VU033066.D
 Acq: 27 Jun 2019 14:56

Tgt Ion: 43 Resp: 259663
 Ion Ratio Lower Upper
 43 100
 58 35.5 29.4 44.2
 100 12.9 11.2 16.8





#42

Toluene

Concen: 51.416 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

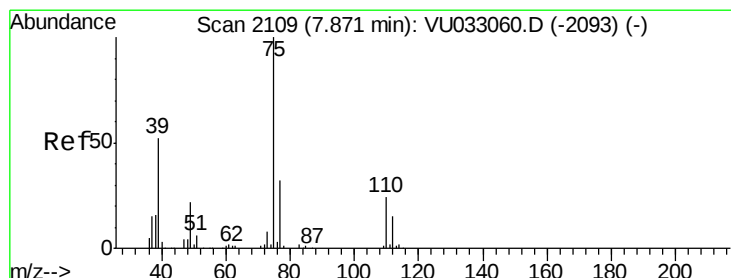
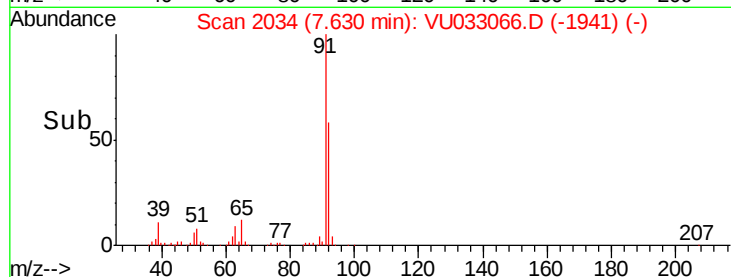
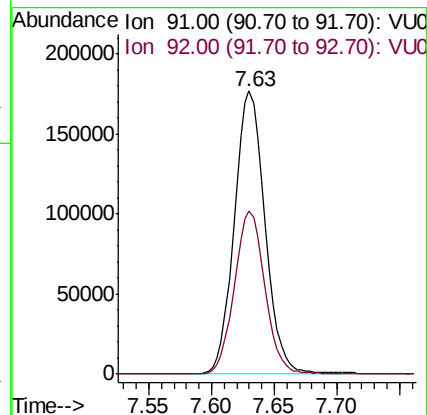
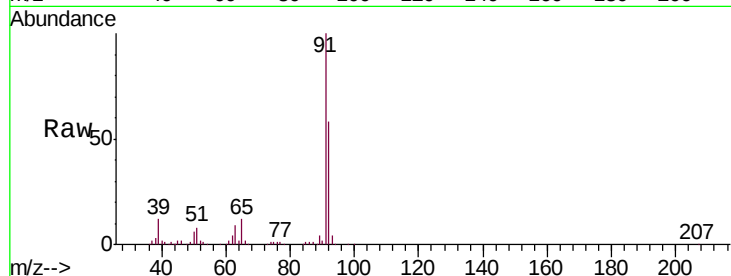
VSTD05042

Tgt Ion: 91 Resp: 300587

Ion Ratio Lower Upper

91 100

92 57.7 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 52.231 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU033066.D

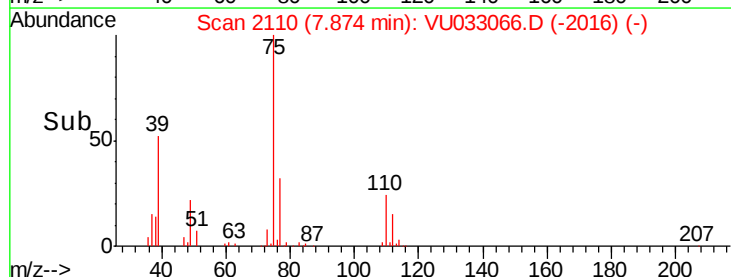
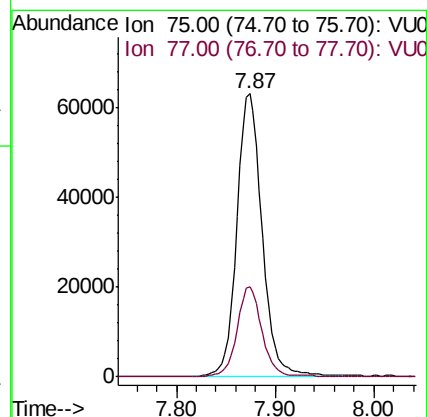
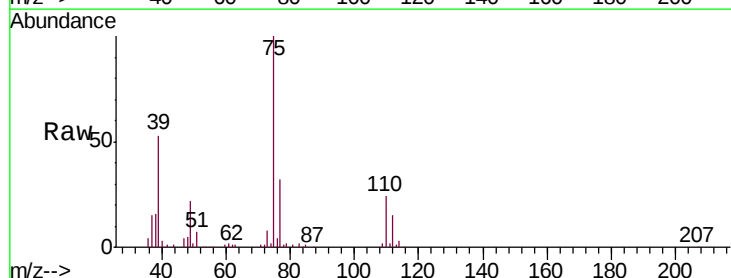
Acq: 27 Jun 2019 14:56

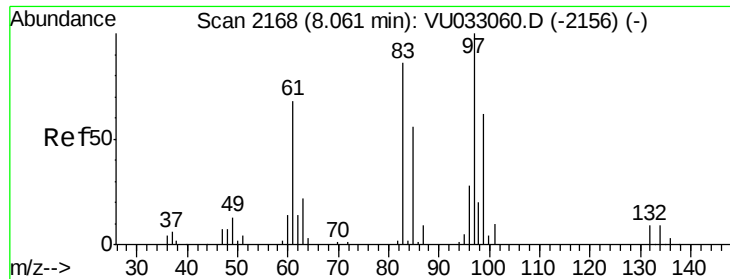
Tgt Ion: 75 Resp: 113285

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.4

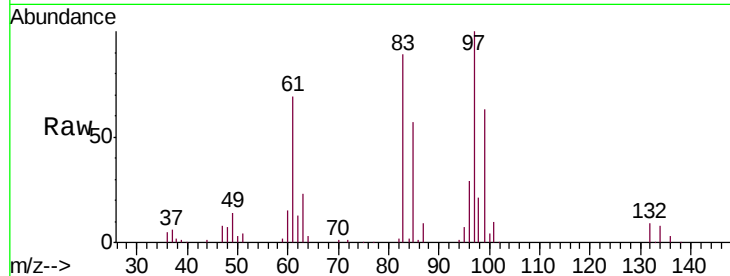




#45
 1,1,2-Trichloroethane
 Concen: 51.804 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: VU033066.D
 Acq: 27 Jun 2019 14:56

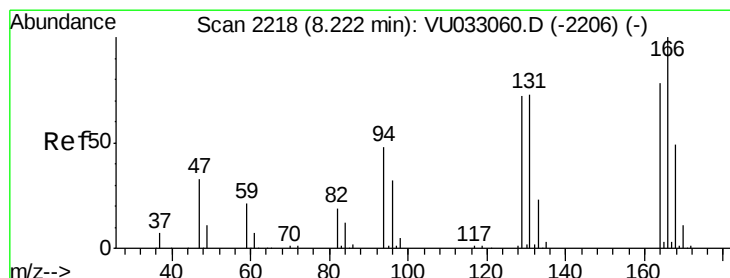
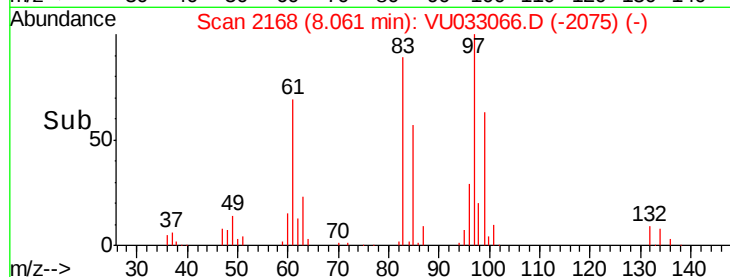
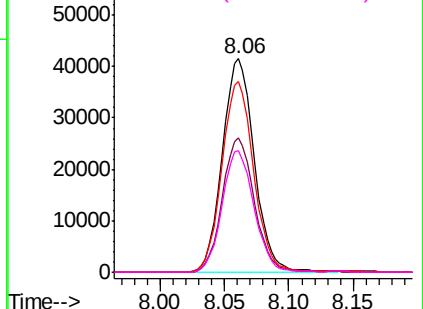
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Tgt Ion:	97	Resp:	71467
Ion	Ratio	Lower	Upper
97	100		
99	62.8	43.1	80.1
83	89.3	61.4	114.0
85	57.0	39.2	72.8



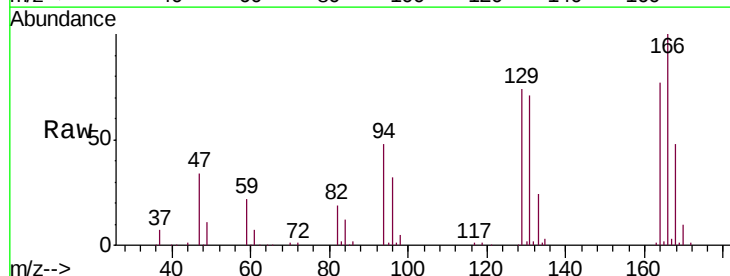
Abundance

Ion 97.00 (96.70 to 97.70): VU033066.D (-2156) (-)



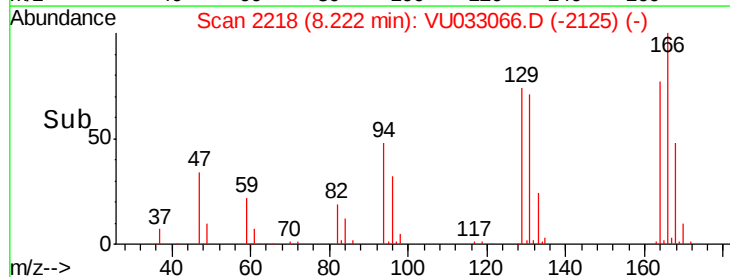
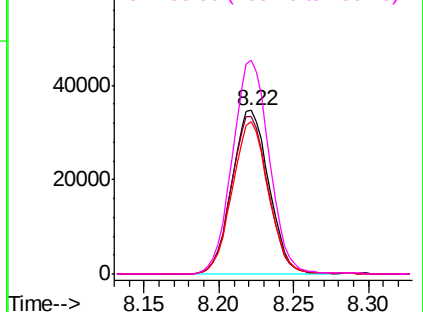
#46
 Tetrachloroethene
 Concen: 50.557 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU033066.D
 Acq: 27 Jun 2019 14:56

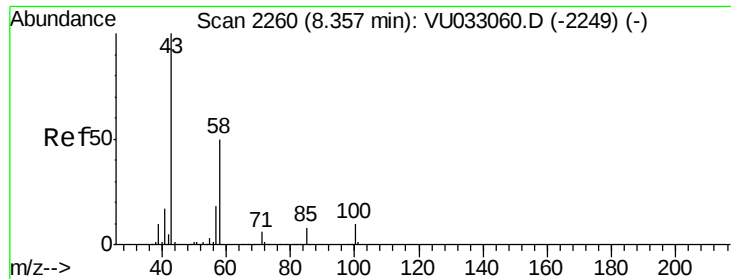
Tgt Ion:	164	Resp:	59808
Ion	Ratio	Lower	Upper
164	100		
129	96.5	64.8	120.3
131	93.0	64.5	119.7
166	130.5	91.3	169.6



Abundance

Ion 164.00 (163.70 to 164.70): VU033066.D (-2206) (-)

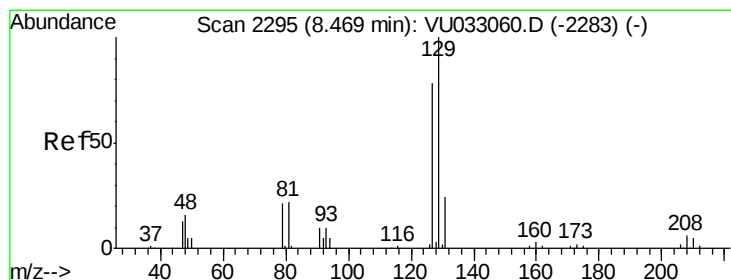
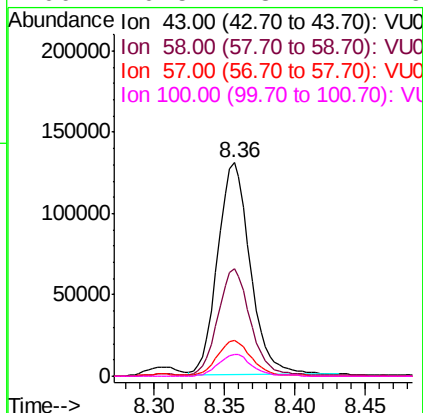
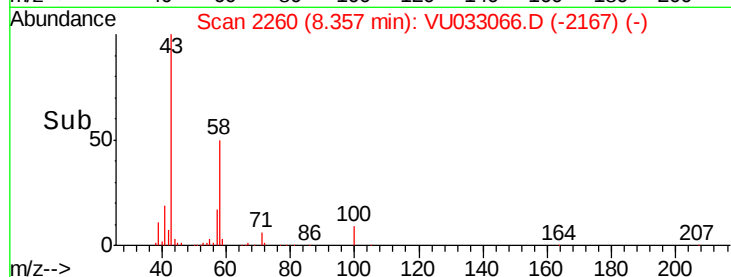
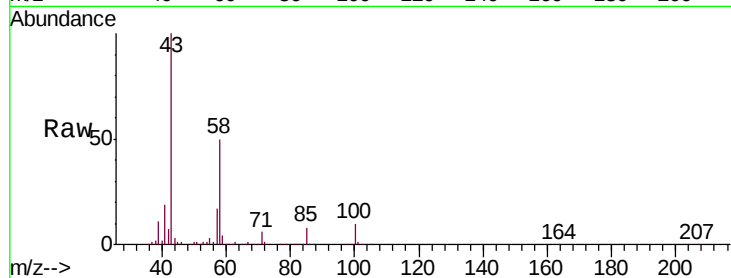




#48
2-Hexanone
Concen: 101.163 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU033066.D
Acq: 27 Jun 2019 14:56

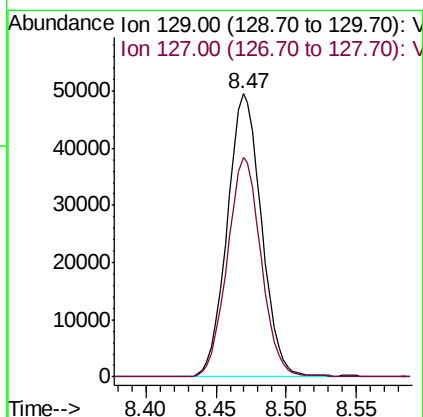
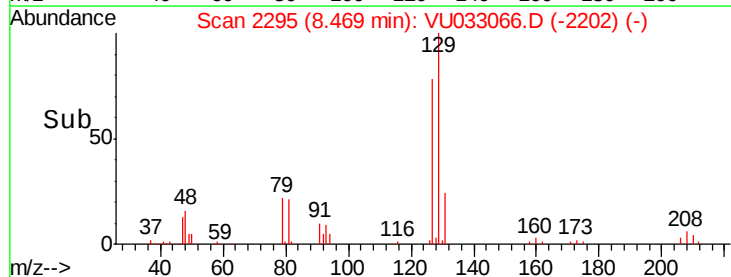
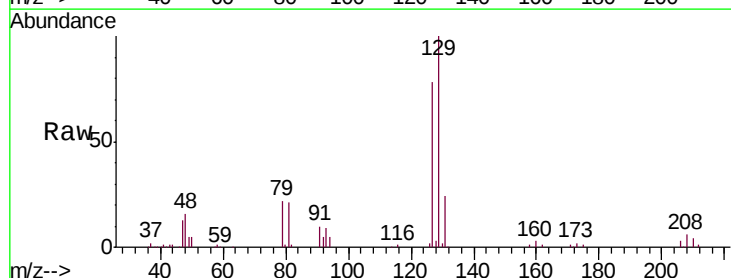
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

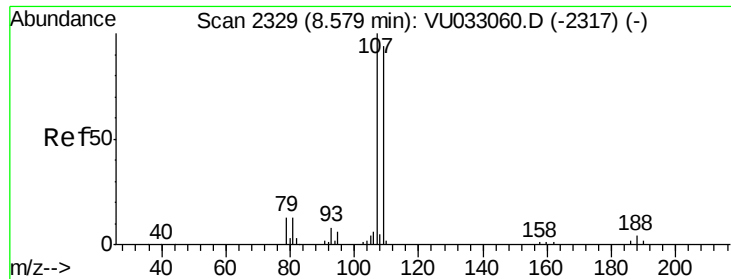
Tgt Ion: 43 Resp: 211212
Ion Ratio Lower Upper
43 100
58 50.4 40.2 60.2
57 17.4 14.2 21.4
100 10.5 8.4 12.6



#49
Dibromochloromethane
Concen: 50.708 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU033066.D
Acq: 27 Jun 2019 14:56

Tgt Ion: 129 Resp: 84333
Ion Ratio Lower Upper
129 100
127 77.6 52.3 97.1

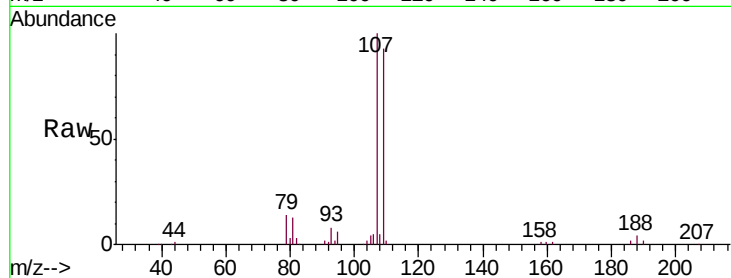




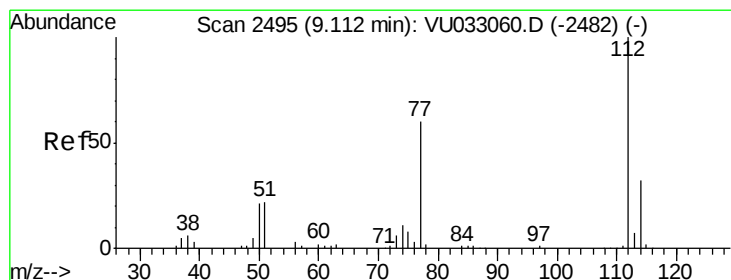
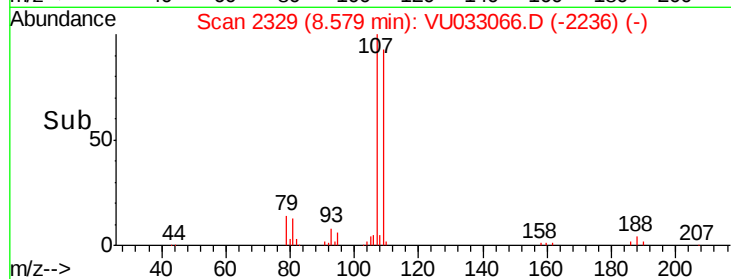
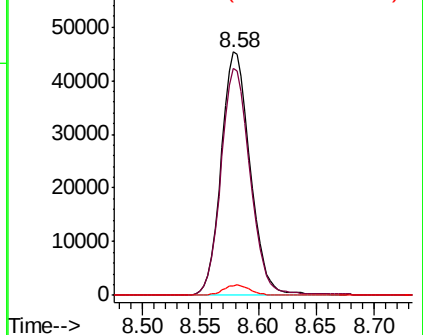
#50
1,2-Dibromoethane
Concen: 51.326 ug/L
RT: 8.58 min Scan# 2329
Delta R.T. 0.00 min
Lab File: VU033066.D
Acq: 27 Jun 2019 14:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Tgt Ion:107 Resp: 78635
Ion Ratio Lower Upper
107 100
109 93.1 65.4 121.4
188 4.1 3.1 4.7

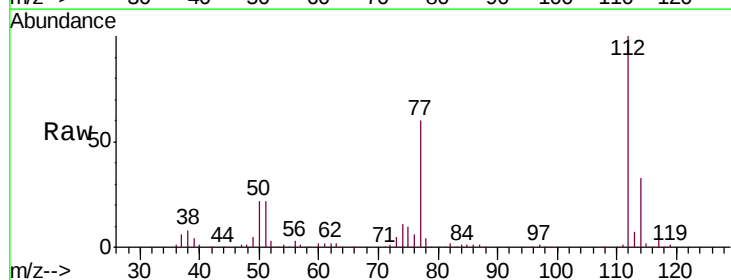


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

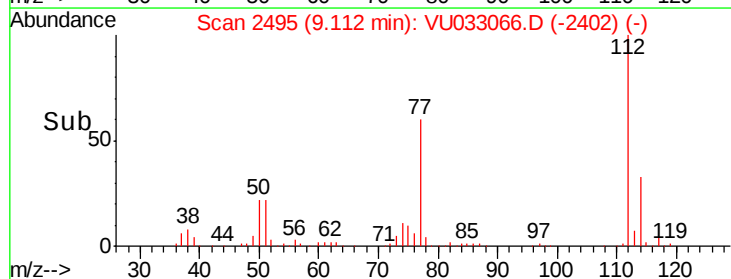
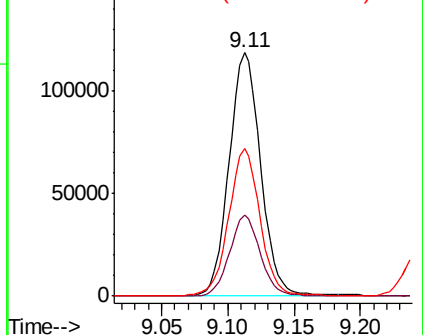


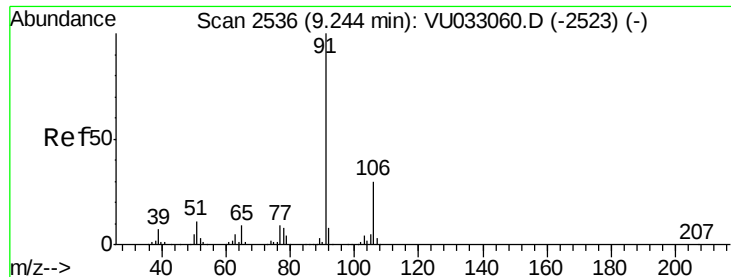
#51
Chlorobenzene
Concen: 51.095 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. 0.00 min
Lab File: VU033066.D
Acq: 27 Jun 2019 14:56

Tgt Ion:112 Resp: 196567
Ion Ratio Lower Upper
112 100
114 33.1 22.8 42.4
77 60.4 46.3 69.5



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: 52.051 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

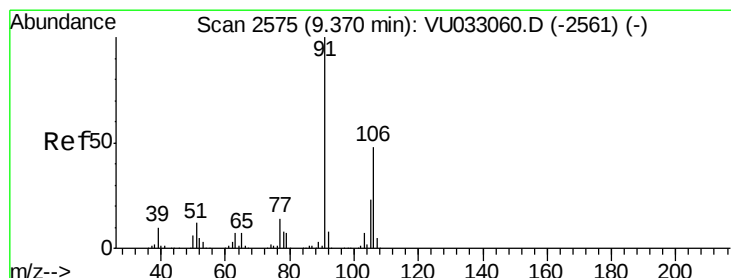
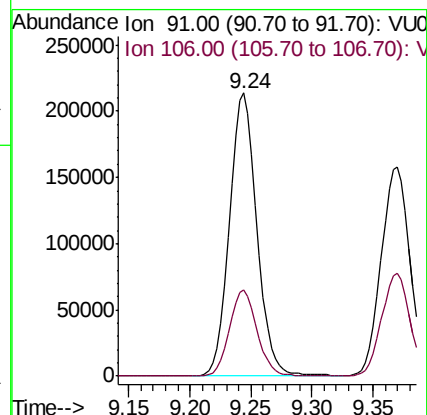
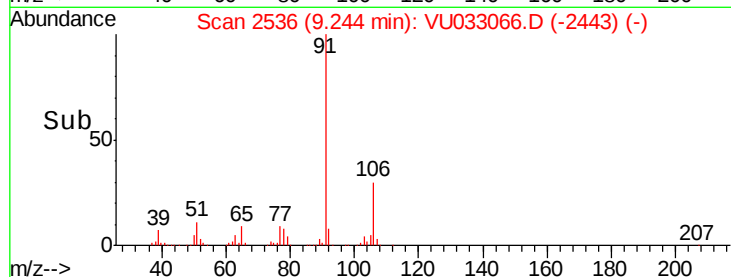
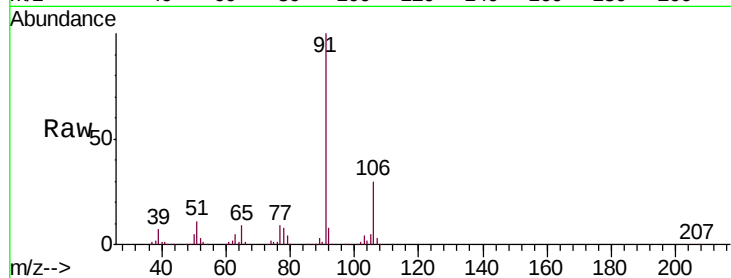
VSTD05042

Tgt Ion: 91 Resp: 336827

Ion Ratio Lower Upper

91 100

106 30.5 21.8 40.4



#53

m,p-Xylene

Concen: 51.861 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU033066.D

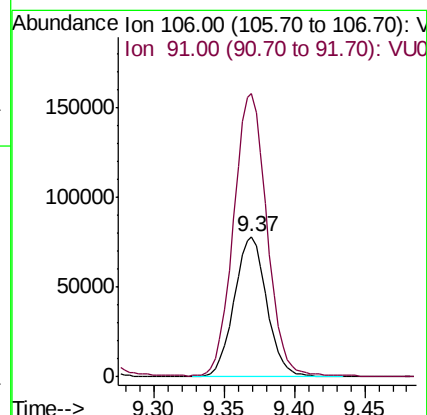
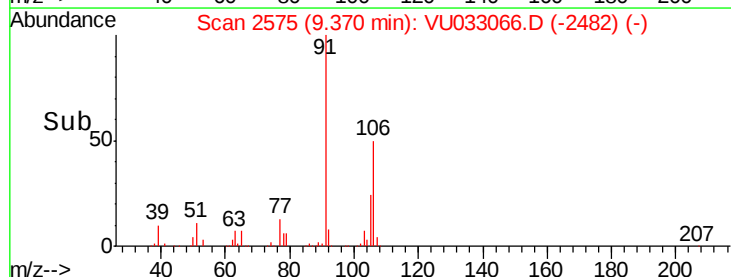
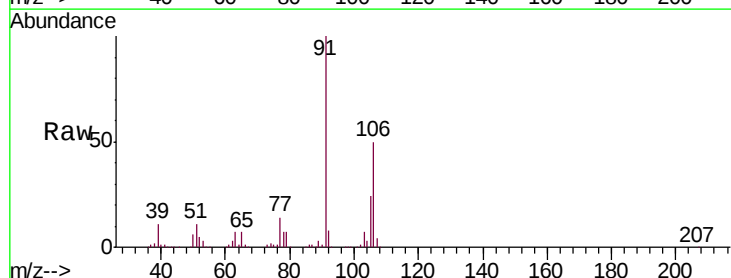
Acq: 27 Jun 2019 14:56

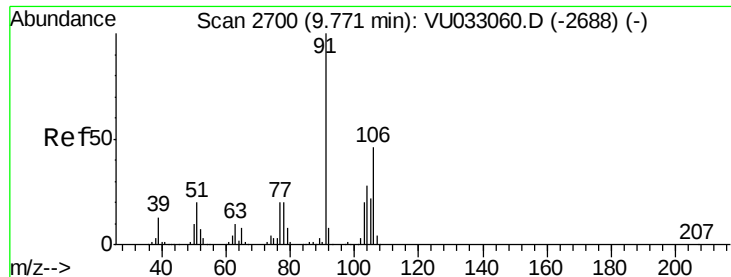
Tgt Ion: 106 Resp: 126619

Ion Ratio Lower Upper

106 100

91 201.9 142.9 265.5





#54

o-xylene

Concen: 51.263 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

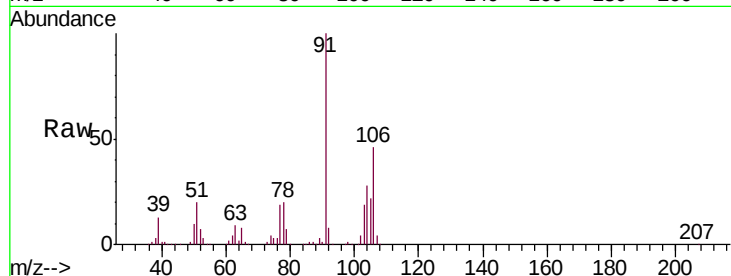
VSTD05042

Tgt Ion:106 Resp: 122227

Ion Ratio Lower Upper

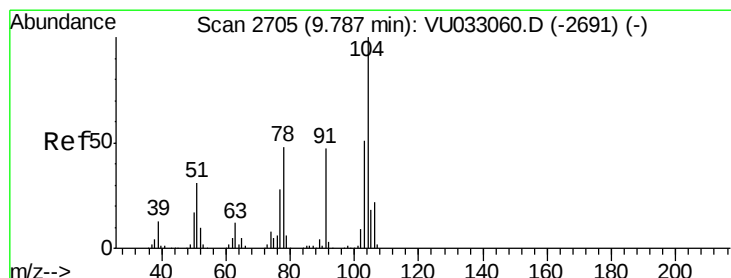
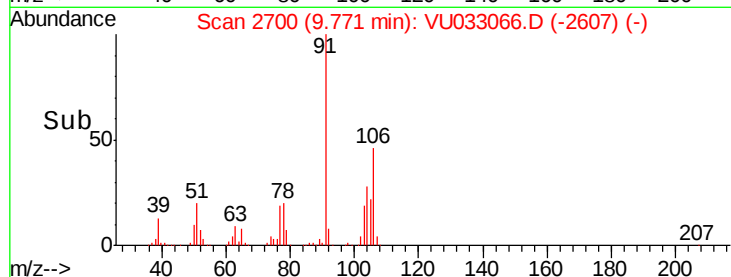
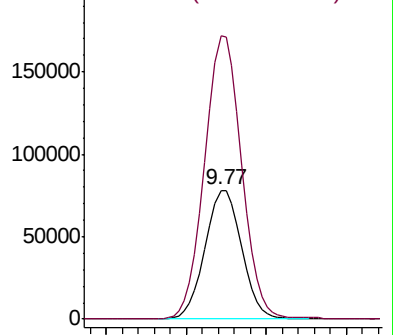
106 100

91 219.4 152.9 284.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.589 ug/L

RT: 9.78 min Scan# 2704

Delta R.T. -0.00 min

Lab File: VU033066.D

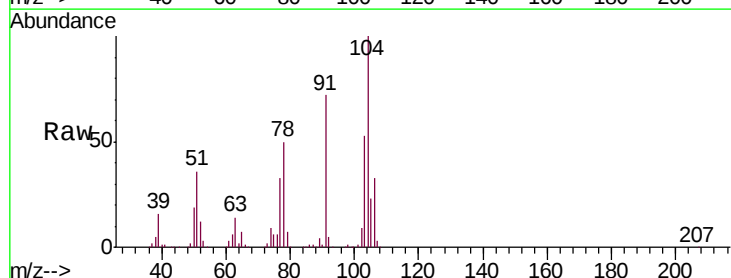
Acq: 27 Jun 2019 14:56

Tgt Ion:104 Resp: 213388

Ion Ratio Lower Upper

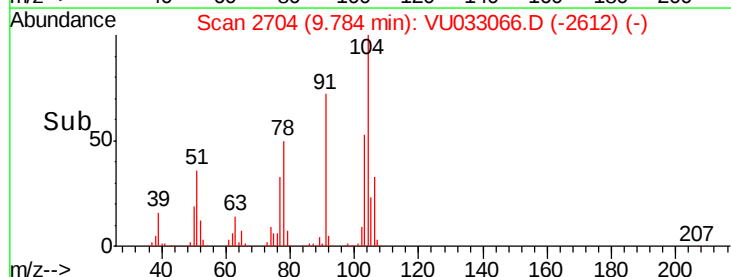
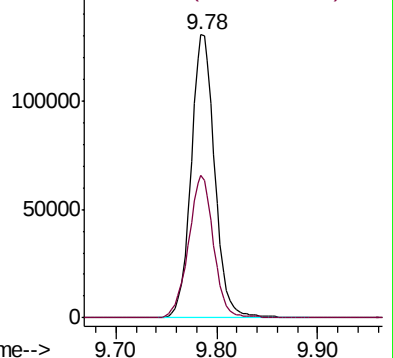
104 100

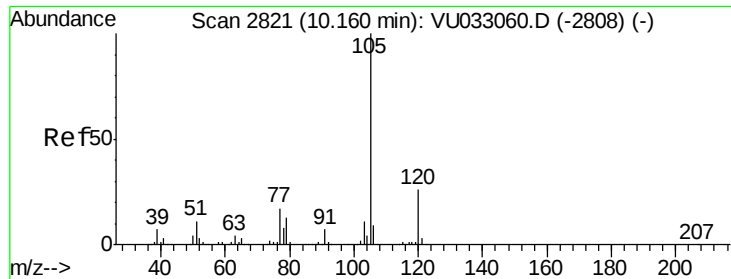
78 50.3 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 51.473 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

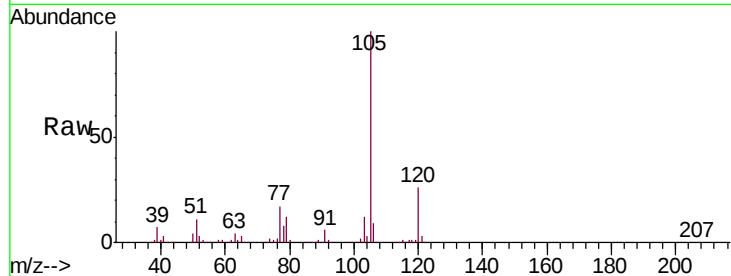
Tgt Ion: 105 Resp: 330746

Ion Ratio Lower Upper

105 100

120 26.0 21.4 32.0

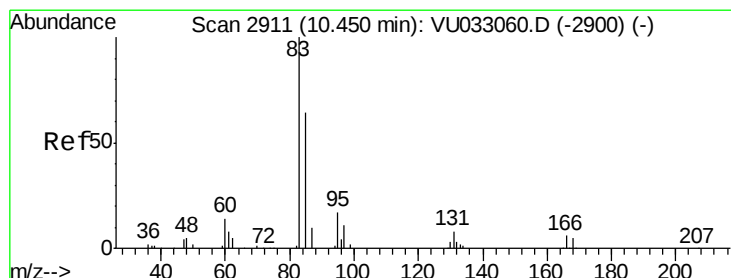
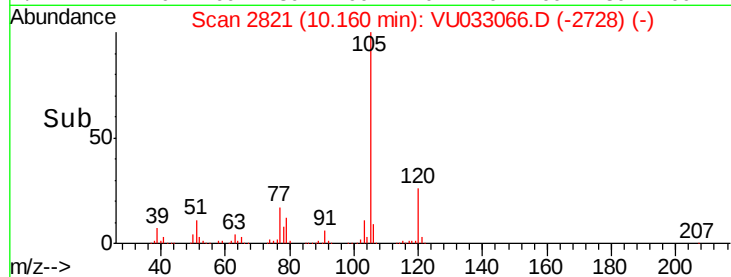
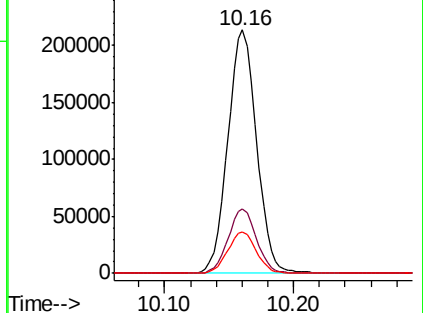
77 16.9 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.283 ug/L

RT: 10.45 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

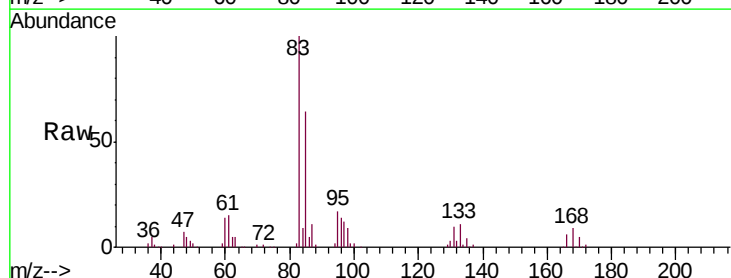
Tgt Ion: 83 Resp: 128018

Ion Ratio Lower Upper

83 100

85 64.4 45.8 85.2

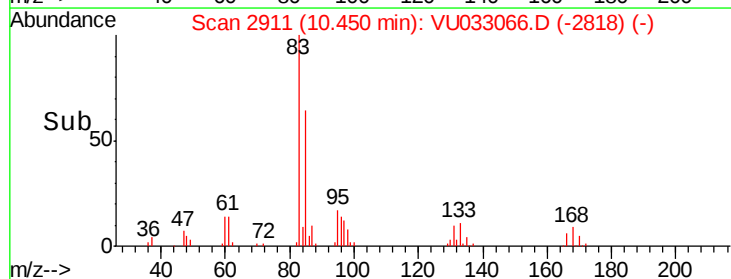
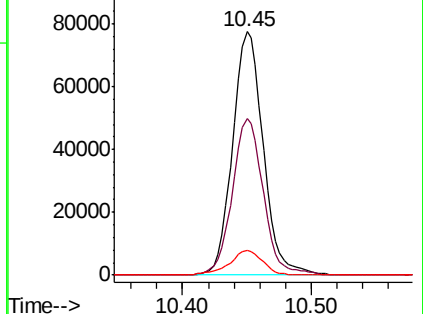
131 10.0 7.8 11.8

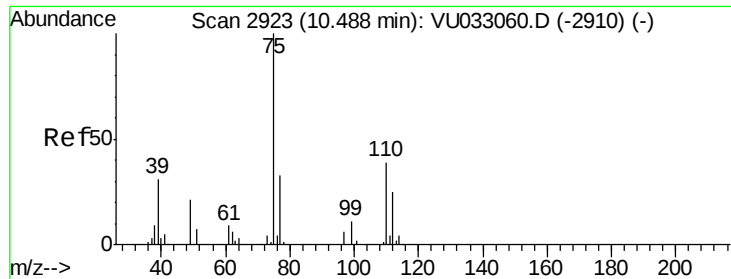


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

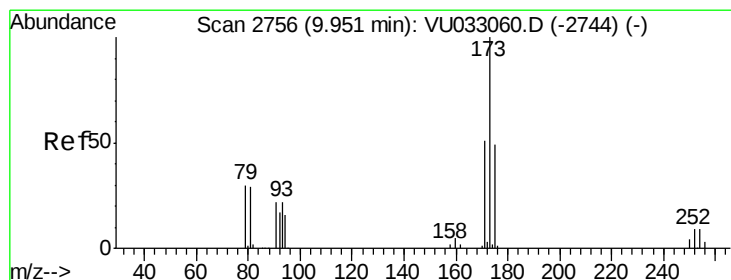
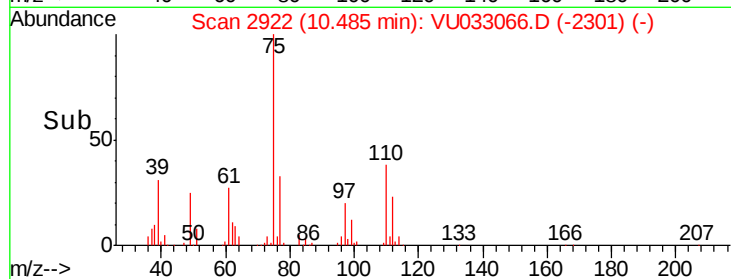
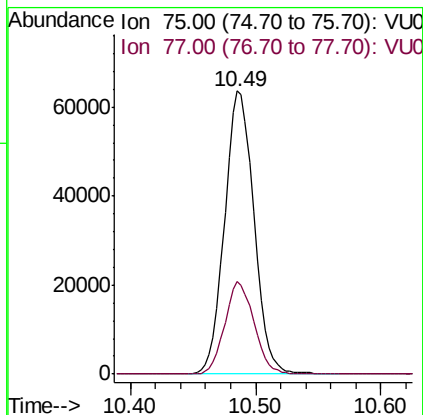
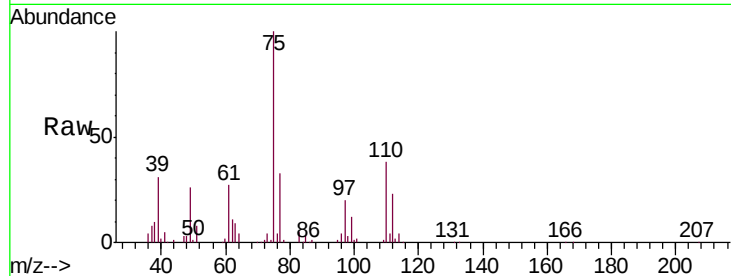




#59
 1,2,3-Trichloropropane
 Concen: 52.267 ug/L
 RT: 10.49 min Scan# 2922
 Delta R.T. -0.00 min
 Lab File: VU033066.D
 Acq: 27 Jun 2019 14:56

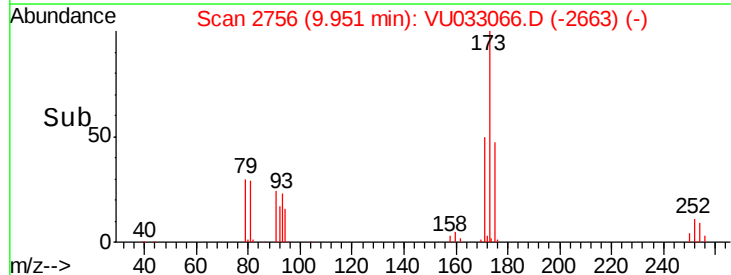
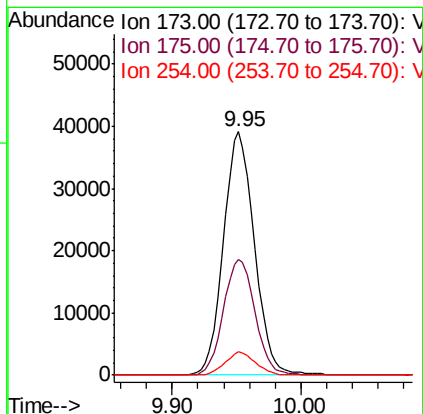
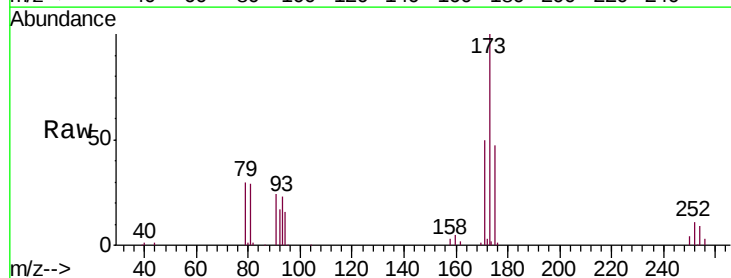
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

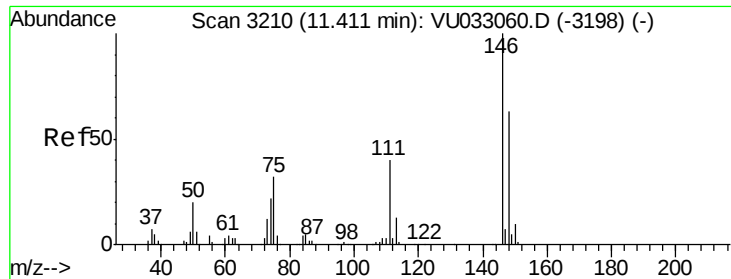
Tgt Ion: 75 Resp: 103384
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.5 38.3



#61
 Bromoform
 Concen: 48.900 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. 0.00 min
 Lab File: VU033066.D
 Acq: 27 Jun 2019 14:56

Tgt Ion: 173 Resp: 65109
 Ion Ratio Lower Upper
 173 100
 175 48.3 39.0 58.4
 254 9.3 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 49.685 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

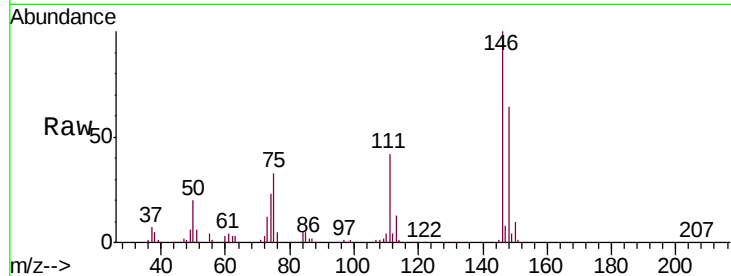
Tgt Ion:146 Resp: 157478

Ion Ratio Lower Upper

146 100

111 41.7 28.4 52.8

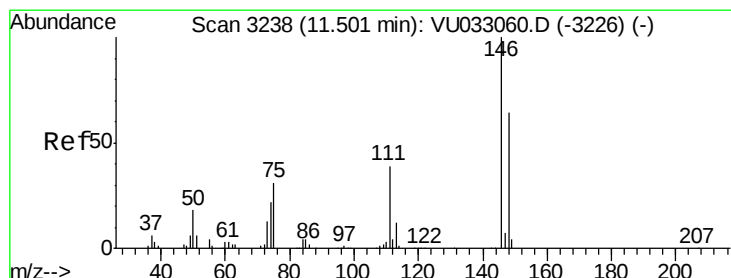
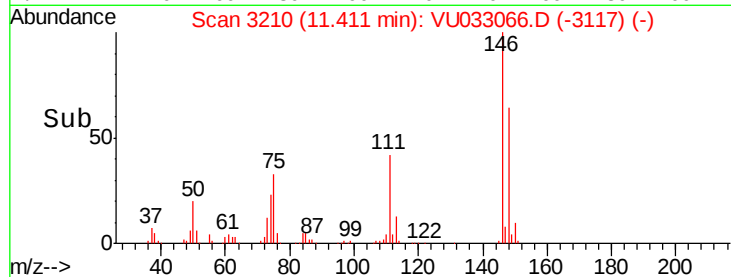
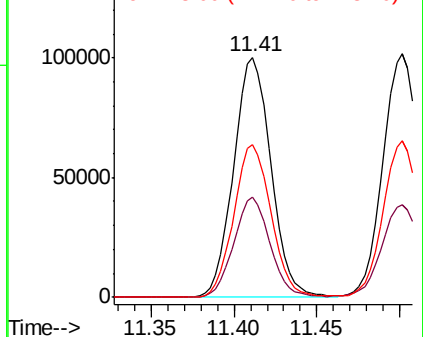
148 63.6 45.5 84.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 49.151 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

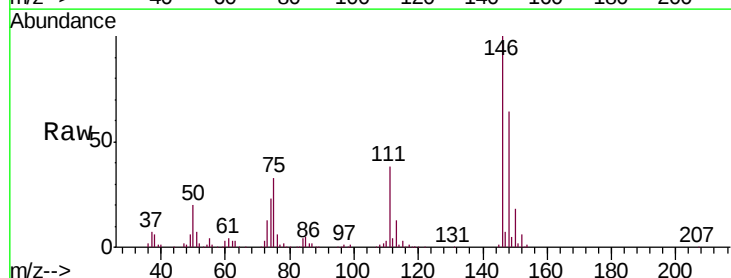
Tgt Ion:146 Resp: 160907

Ion Ratio Lower Upper

146 100

111 38.1 26.9 50.1

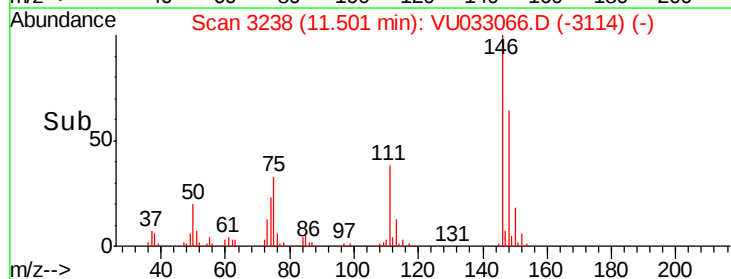
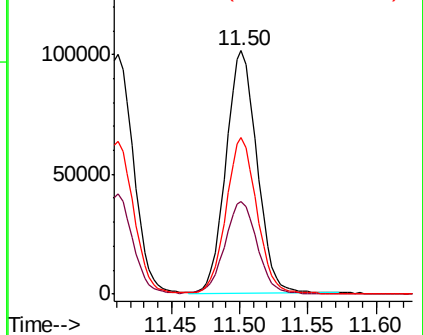
148 64.1 44.7 83.1

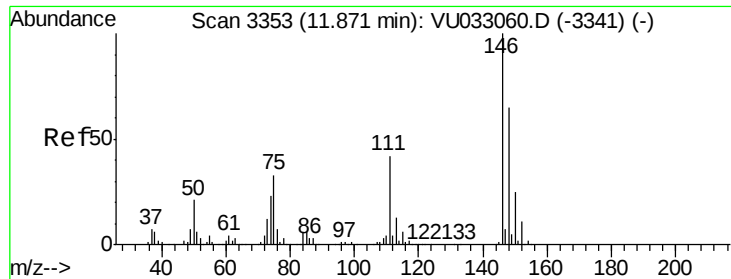


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 49.295 ug/L

RT: 11.87 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

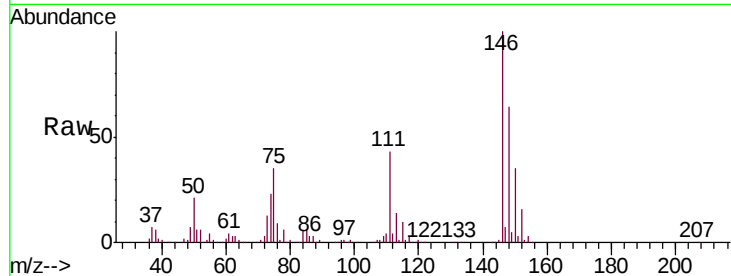
Tgt Ion:146 Resp: 159530

Ion Ratio Lower Upper

146 100

111 42.6 34.1 51.1

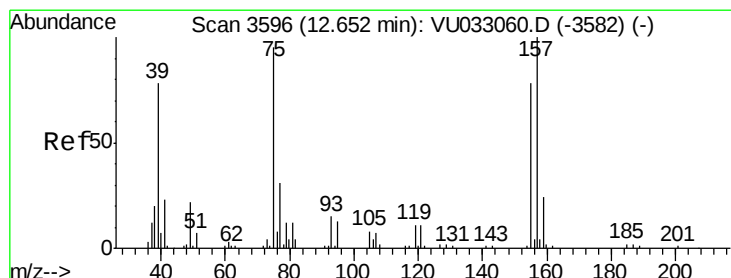
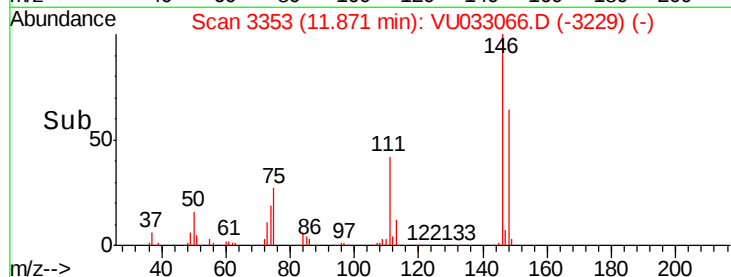
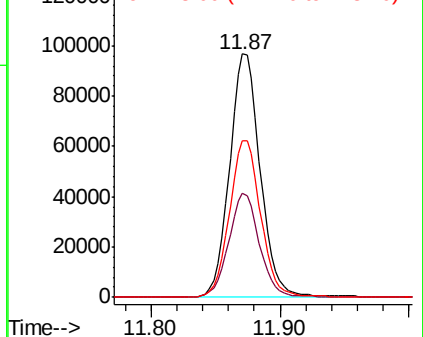
148 64.3 52.0 78.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 50.574 ug/L

RT: 12.65 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

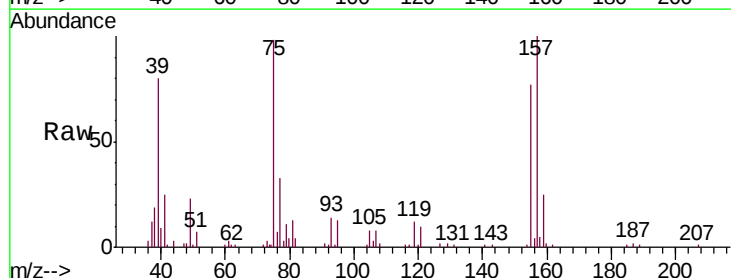
Tgt Ion: 75 Resp: 31225

Ion Ratio Lower Upper

75 100

155 79.1 67.4 101.2

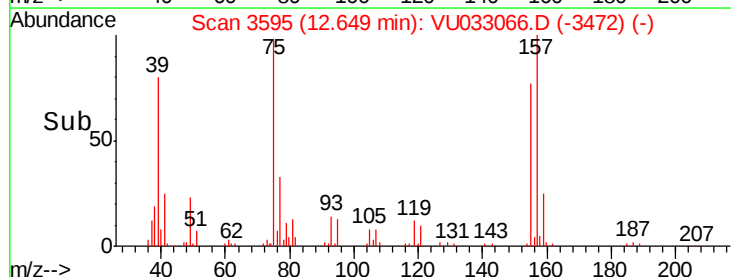
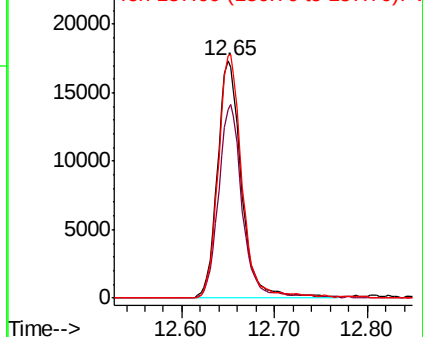
157 102.0 85.5 128.3

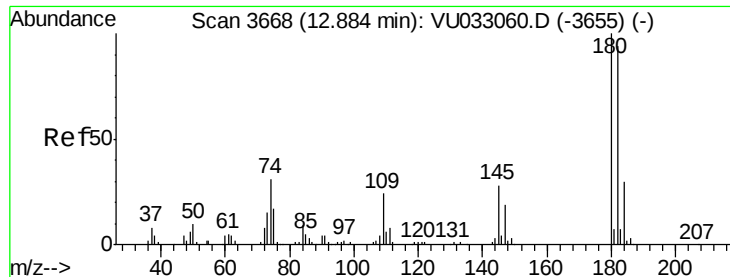


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

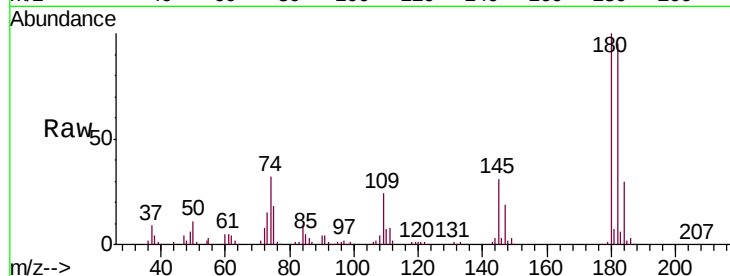




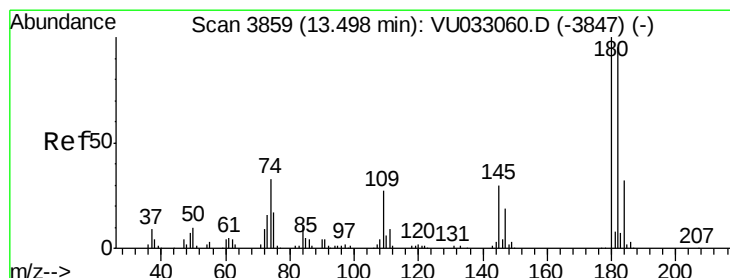
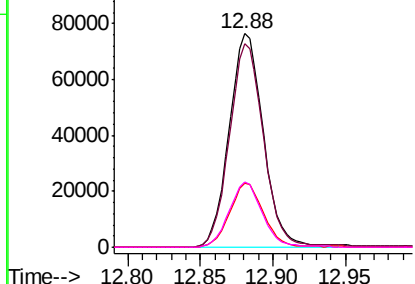
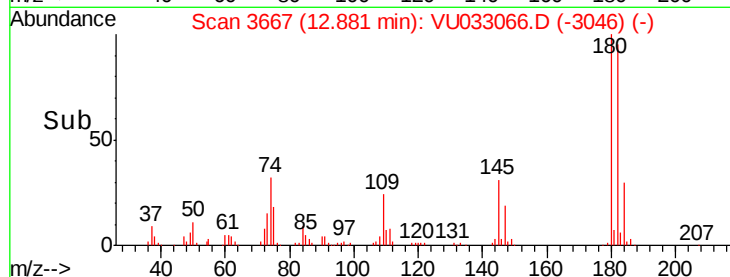
#67
 1,3,5-Trichlorobenzene
 Concen: 49.073 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. -0.00 min
 Lab File: VU033066.D
 Acq: 27 Jun 2019 14:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Tgt Ion:180 Resp: 124974
 Ion Ratio Lower Upper
 180 100
 182 94.9 78.3 117.5
 184 29.5 24.8 37.2
 145 29.7 23.4 35.2

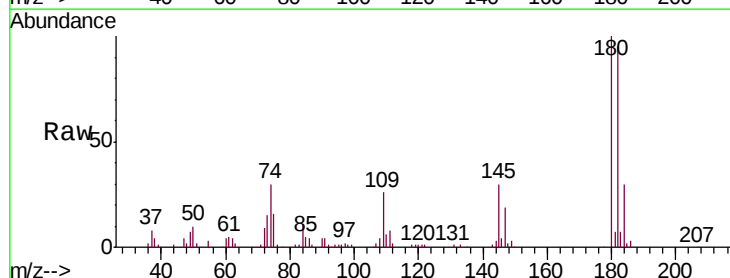


Abundance Ion 180.00 (179.70 to 180.70): V
 120000
 Ion 182.00 (181.70 to 182.70): V
 100000
 Ion 184.00 (183.70 to 184.70): V
 80000
 Ion 145.00 (144.70 to 145.70): V

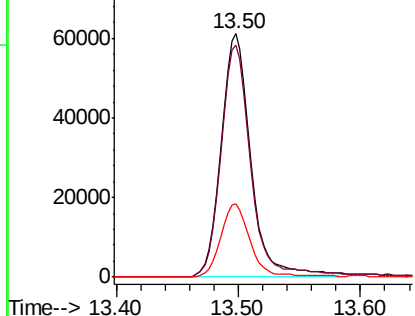
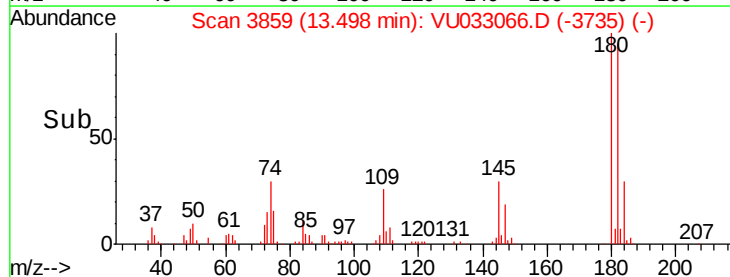


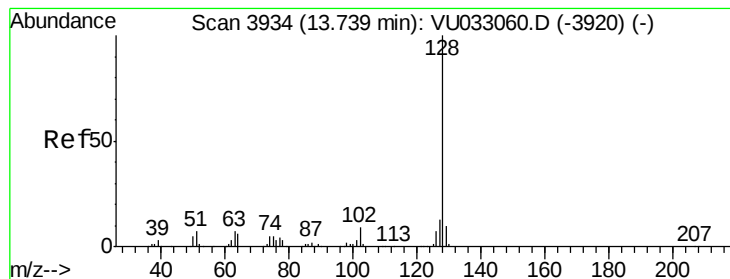
#68
 1,2,4-trichlorobenzene
 Concen: 48.038 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU033066.D
 Acq: 27 Jun 2019 14:56

Tgt Ion:180 Resp: 105269
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.2 114.4
 145 29.0 23.8 35.8



Abundance Ion 180.00 (179.70 to 180.70): V
 80000
 Ion 182.00 (181.70 to 182.70): V
 60000
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 43.958 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. -0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

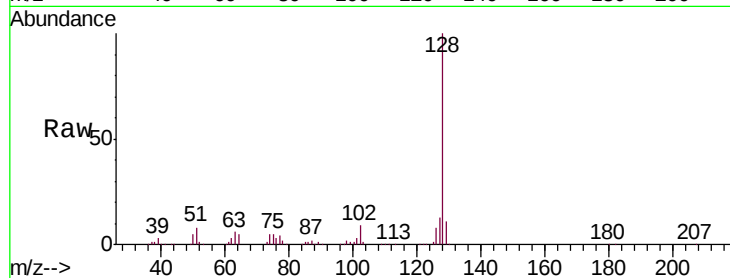
Tgt Ion:128 Resp: 296176

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

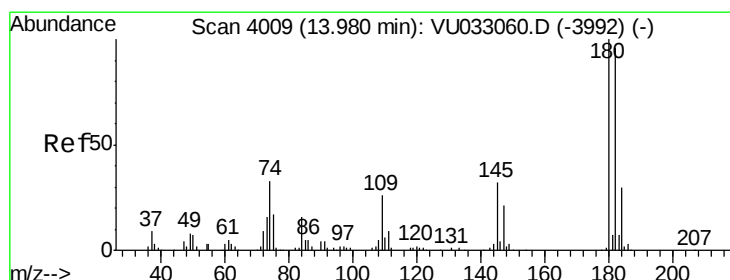
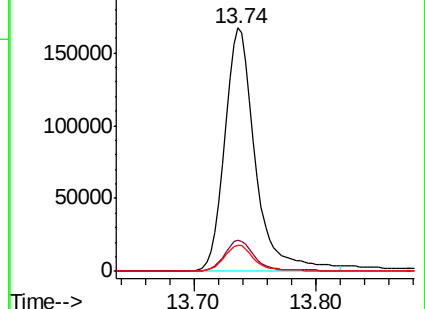
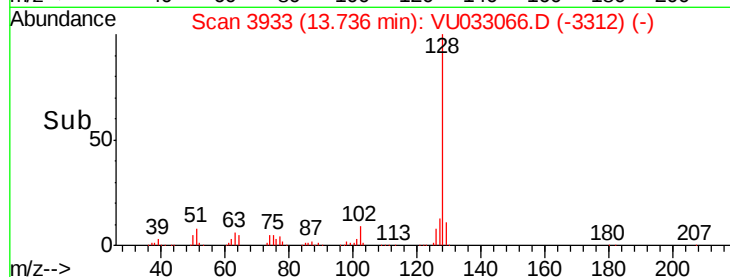
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 47.994 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. 0.00 min

Lab File: VU033066.D

Acq: 27 Jun 2019 14:56

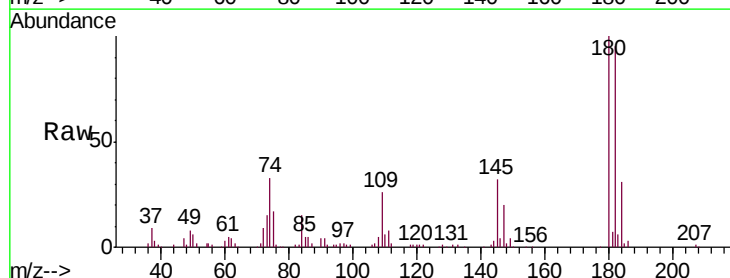
Tgt Ion:180 Resp: 111337

Ion Ratio Lower Upper

180 100

182 94.1 77.0 115.6

145 30.9 25.5 38.3



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

