

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062920\
 Data File : VU039185.D
 Acq On : 29 Jun 2020 12:10
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Quant Time: Jun 30 01:25:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 30 01:22:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	257165	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	248570	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	124202	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	116079	4.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.60%
7) Chloroethane-d5	1.93	69	89933	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.40%
11) 1,1-Dichloroethene-d2	2.59	63	217370	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.80%
20) 2-Butanone-d5	4.68	46	360139	49.95	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.90%
24) Chloroform-d	5.10	84	202696	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.74	65	122282	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.76	84	396955	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
36) 1,2-Dichloropropane-d6	6.72	67	122780	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.92	98	355886	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
43) trans-1,3-Dichloropropene-	8.20	79	58420	5.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.60%
46) 2-Hexanone-d5	8.65	63	292735	55.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.76%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	109737	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	130568	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	120245	4.723	ug/L 100
3) Chloromethane	1.53	50	123600	4.697	ug/L 100
5) Vinyl chloride	1.62	62	124675	4.749	ug/L 94
6) Bromomethane	1.88	94	69278	4.990	ug/L 97
8) Chloroethane	1.95	64	74079	4.651	ug/L 98
9) Trichlorofluoromethane	2.16	101	166312	4.728	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	92398	4.656	ug/L 98
12) 1,1-Dichloroethene	2.61	96	90150	4.752	ug/L 99
13) Acetone	2.68	43	203541	46.053	ug/L 99
14) Carbon disulfide	2.82	76	316553	4.769	ug/L 99
15) Methyl Acetate	2.99	43	50395	4.565	ug/L 99
16) Methylene chloride	3.08	84	101621	4.478	ug/L 98
17) Methyl tert-butyl Ether	3.40	73	249815	4.891	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	95081	4.719	ug/L 96
19) 1,1-Dichloroethane	3.91	63	178746	4.645	ug/L 99
21) 2-Butanone	4.76	43	336957	48.007	ug/L 99
22) cis-1,2-Dichloroethene	4.70	96	99030	4.894	ug/L 96

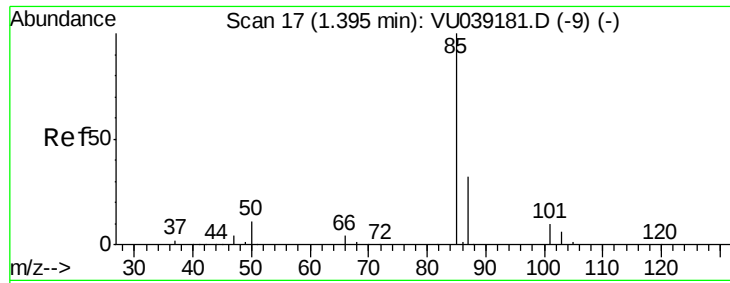
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062920\
 Data File : VU039185.D
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 30 01:22:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	44551	4.560	ug/L	96
25) Chloroform	5.12	83	179753	4.692	ug/L	99
27) 1,2-Dichloroethane	5.83	62	133530	4.716	ug/L	98
29) 1,1,1-Trichloroethane	5.35	97	159322	4.784	ug/L	100
30) Cyclohexane	5.42	56	156540	5.012	ug/L	99
31) Carbon tetrachloride	5.56	117	135214	4.827	ug/L	99
33) Benzene	5.81	78	395819	4.941	ug/L	100
34) Trichloroethene	6.57	95	101689	4.966	ug/L	97
35) Methylcyclohexane	6.79	83	152959	5.012	ug/L	99
37) 1,2-Dichloropropane	6.82	63	102028	4.800	ug/L	99
38) Bromodichloromethane	7.13	83	130998	4.831	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	151332	4.959	ug/L	96
40) 4-Methyl-2-pentanone	7.82	43	781418	50.900	ug/L	99
42) Toluene	7.99	91	411206	5.142	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	142703	4.759	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	75540	4.797	ug/L	97
47) Tetrachloroethene	8.57	164	71764	4.872	ug/L	98
48) 2-Hexanone	8.71	43	595853	50.846	ug/L	99
49) Dibromochloromethane	8.83	129	87881	4.845	ug/L	99
50) 1,2-Dibromoethane	8.94	107	75714	4.928	ug/L	88
51) Chlorobenzene	9.47	112	252770	4.963	ug/L	97
52) Ethylbenzene	9.59	91	436582	5.087	ug/L	99
53) m,p-Xylene	9.71	106	166655	5.269	ug/L	99
54) o-Xylene	10.11	106	157410	5.172	ug/L	99
55) Styrene	10.13	104	275309	5.214	ug/L	99
56) Isopropylbenzene	10.50	105	420967	5.198	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	97024	4.617	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	76499	4.782	ug/L	98
61) Bromoform	10.31	173	50011	4.959	ug/L	100
62) 1,3-Dichlorobenzene	11.75	146	194786	4.861	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	198514	4.946	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	185266	4.845	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	18579	4.783	ug/L	92
67) 1,3,5-Trichlorobenzene	13.24	180	141120	4.880	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	128402	5.085	ug/L	99
69) Naphthalene	14.11	128	252030	5.315	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	120063	5.135	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.723 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU039185.D

Acq: 29 Jun 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

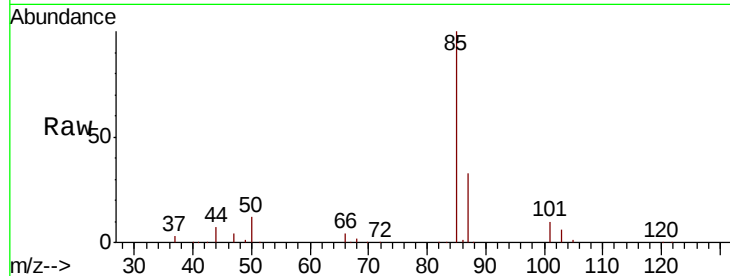
VSTD00521

Tot Ion: 85 Resp: 120245

Ion Ratio Lower Upper

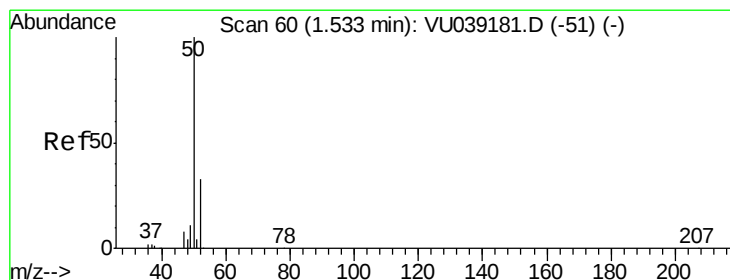
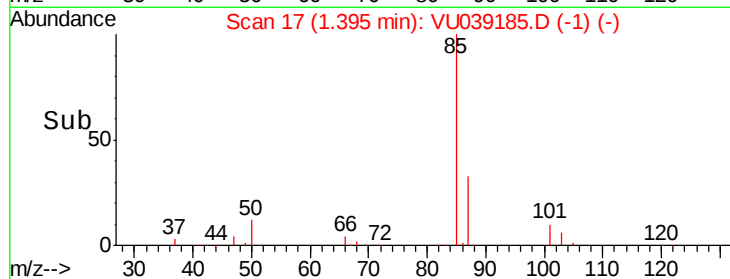
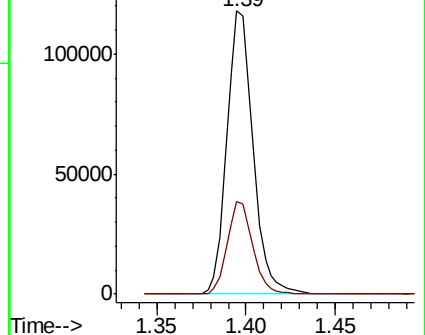
85 100

87 31.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU039185.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU039185.D (-9) (-)



#3

Chloromethane

Concen: 4.697 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU039185.D

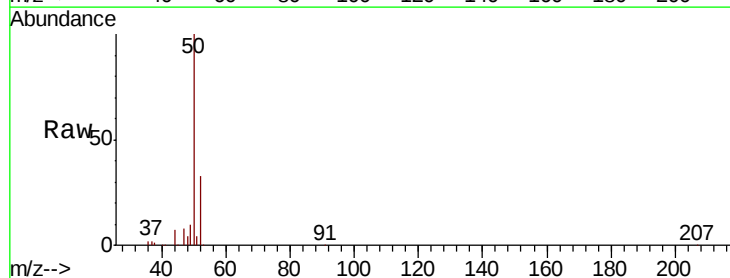
Acq: 29 Jun 2020 12:10

Tgt Ion: 50 Resp: 123600

Ion Ratio Lower Upper

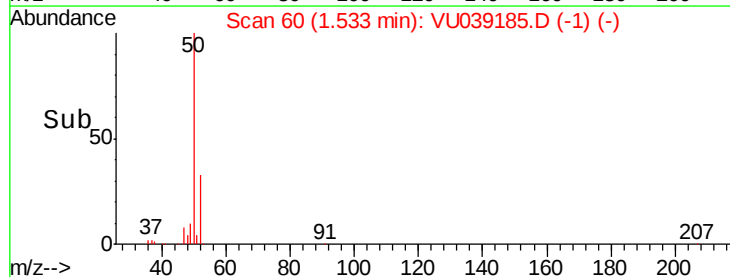
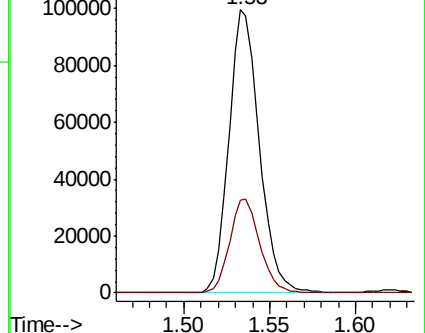
50 100

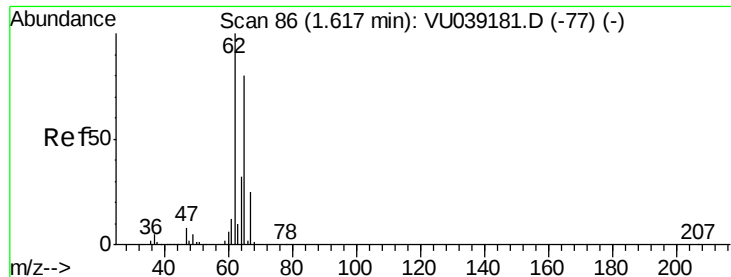
52 32.8 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU039185.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU039185.D (-51) (-)





#5

Vinyl chloride

Concen: 4.749 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU039185.D

Acq: 29 Jun 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

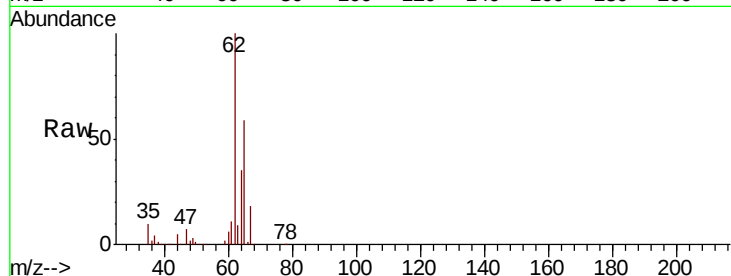
VSTD00521

Tot Ion: 62 Resp: 124675

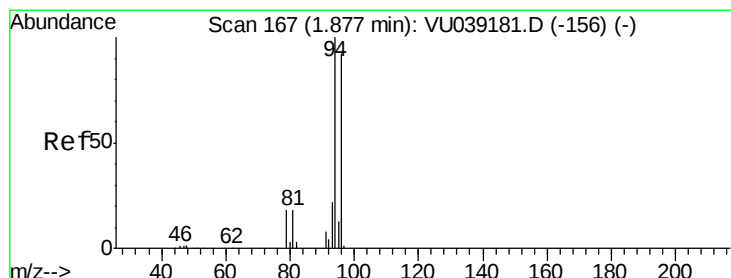
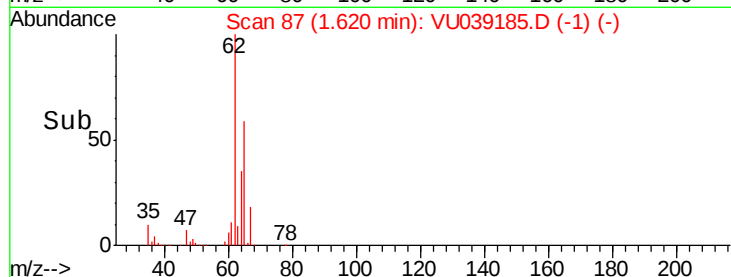
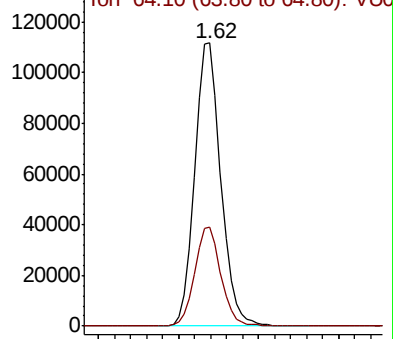
Ion Ratio Lower Upper

62 100

64 35.2 22.3 41.3



Abundance Ion 62.00 (61.70 to 62.70): VU039185.D (-77) (-)



#6

Bromomethane

Concen: 4.990 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU039185.D

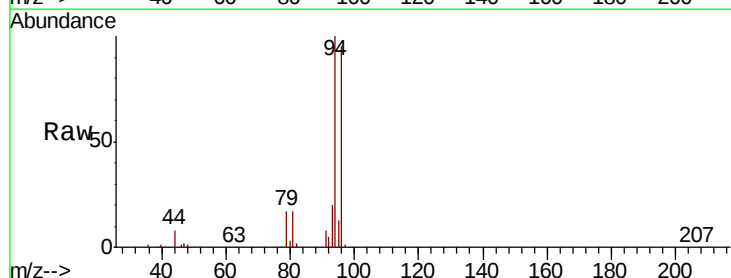
Acq: 29 Jun 2020 12:10

Tgt Ion: 94 Resp: 69278

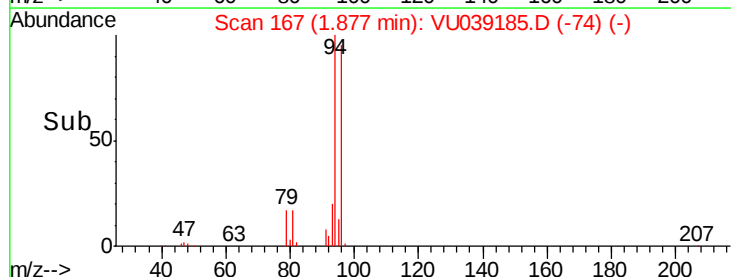
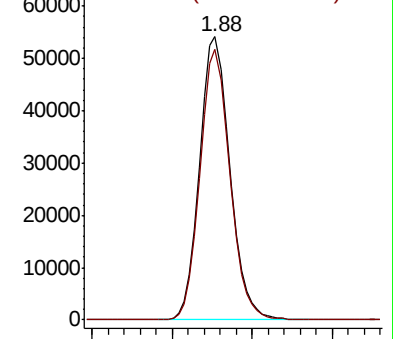
Ion Ratio Lower Upper

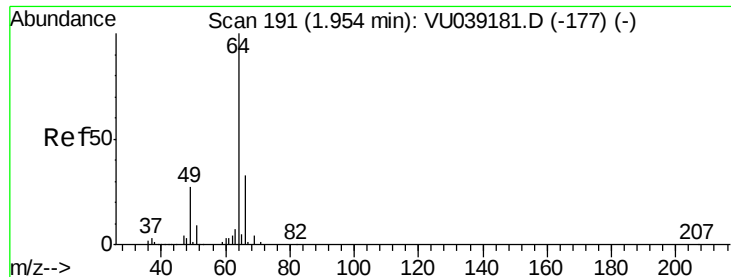
94 100

96 95.4 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VU039185.D (-156) (-)





#8

Chloroethane

Concen: 4.651 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU039185.D

Acq: 29 Jun 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

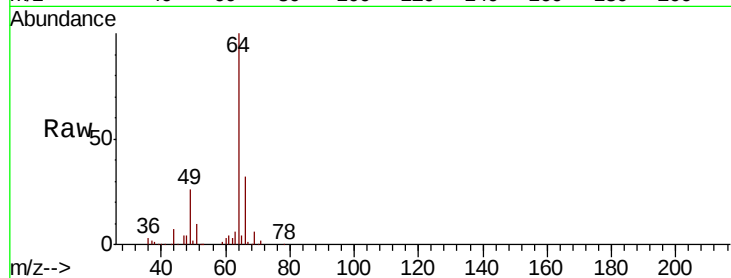
VSTD00521

Tot Ion: 64 Resp: 74079

Ion Ratio Lower Upper

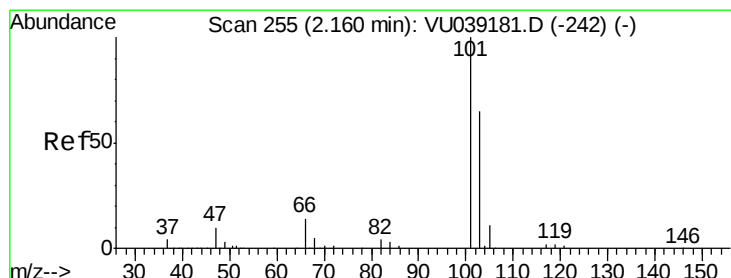
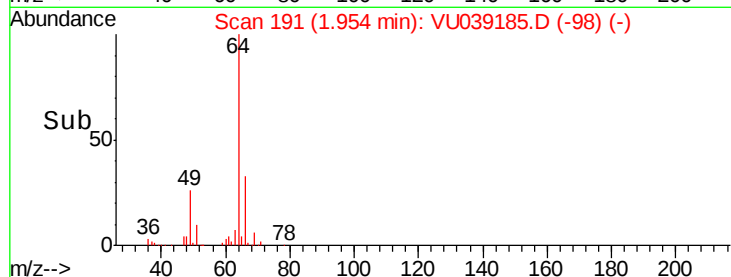
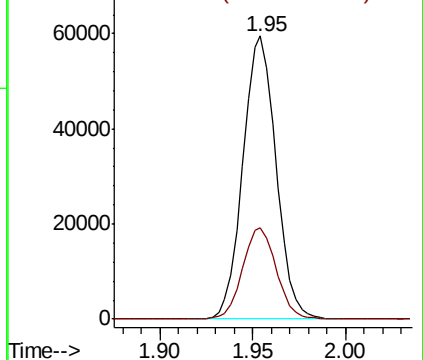
64 100

66 32.4 23.4 43.6



Abundance Ion 64.10 (63.80 to 64.80): VU039185.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU039185.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 4.728 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU039185.D

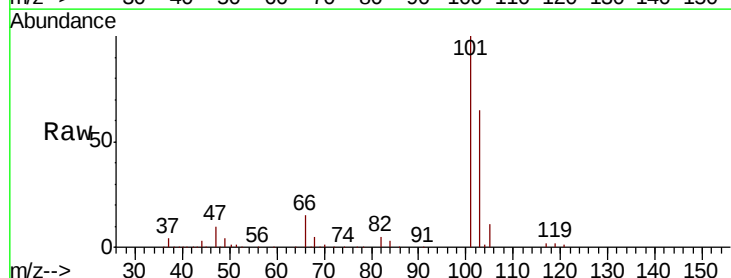
Acq: 29 Jun 2020 12:10

Tgt Ion:101 Resp: 166312

Ion Ratio Lower Upper

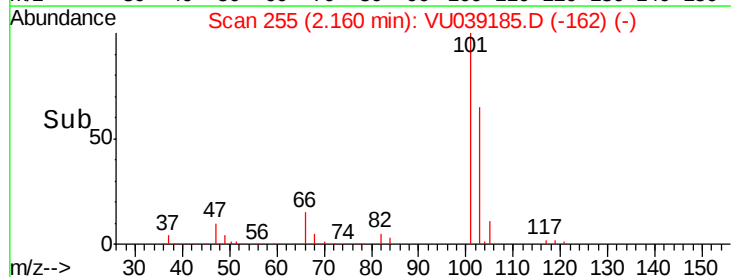
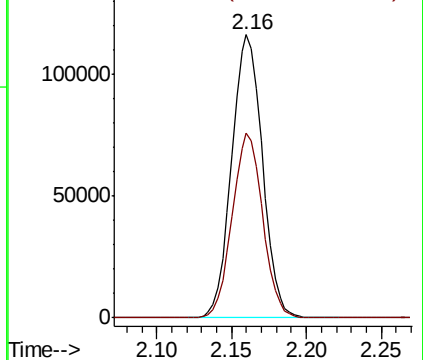
101 100

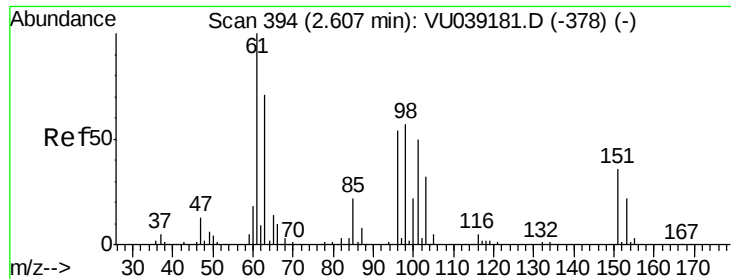
103 64.7 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VU039185.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU039185.D (-242) (-)





#10

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

Concen: 4.656 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU039185.D

Acq: 29 Jun 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

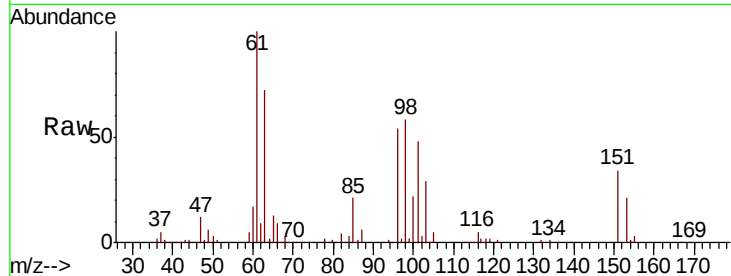
Tot Ion:101 Resp: 92398

Ion Ratio Lower Upper

101 100

85 43.7 36.0 54.0

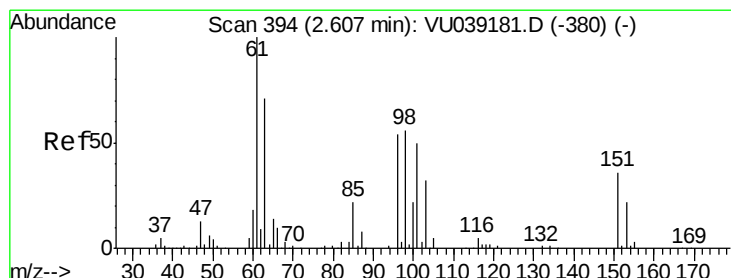
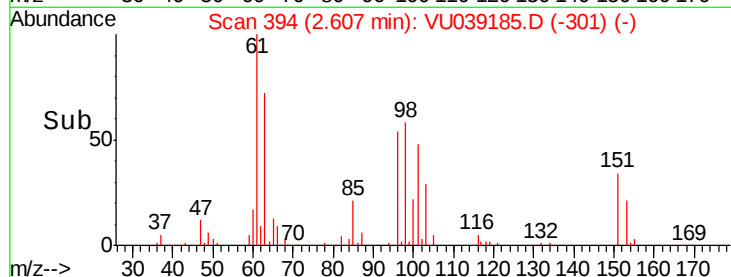
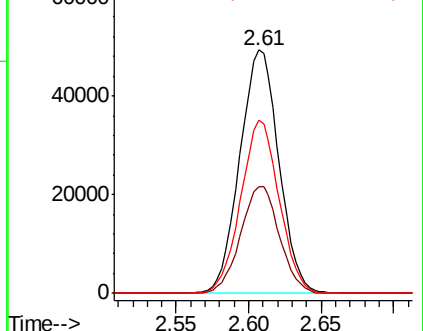
151 70.1 54.7 82.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.752 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU039185.D

Acq: 29 Jun 2020 12:10

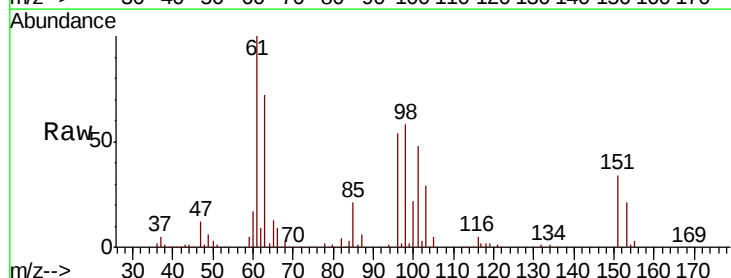
Tgt Ion: 96 Resp: 90150

Ion Ratio Lower Upper

96 100

61 185.3 128.7 239.1

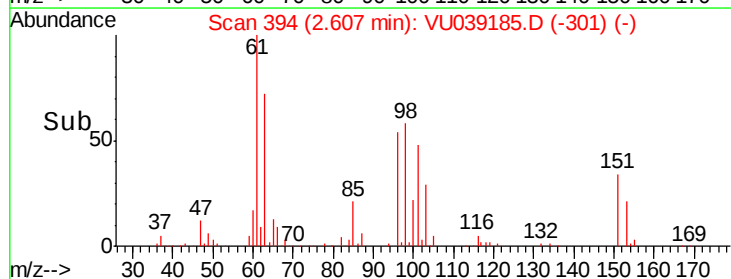
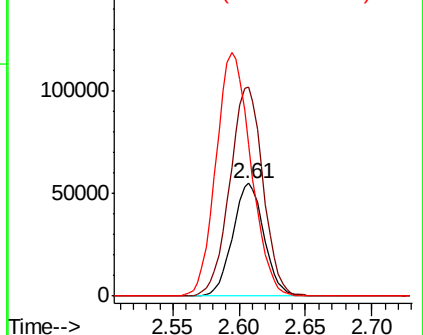
63 133.9 92.3 171.3

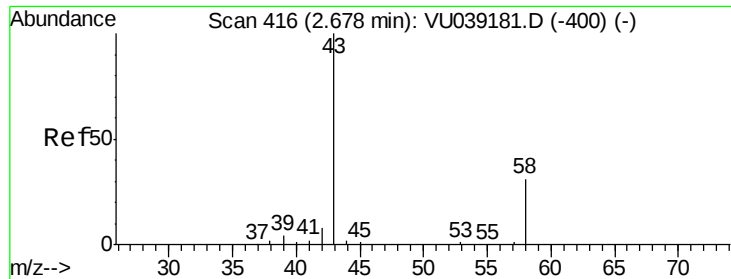


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.053 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.00 min

Lab File: VU039185.D

Acq: 29 Jun 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

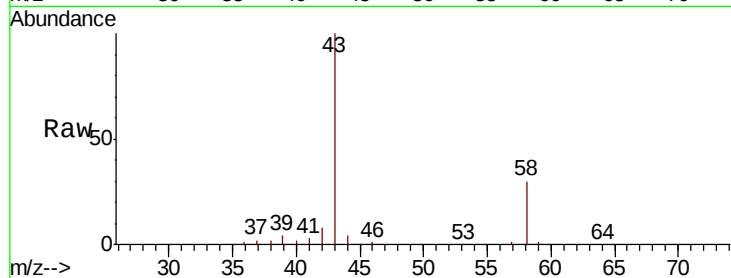
VSTD00521

Tot Ion: 43 Resp: 203541

Ion Ratio Lower Upper

43 100

58 32.0 0.0 63.2



Abundance Ion 43.05 (42.75 to 43.75): VU039181.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU039181.D (-400) (-)

2.68

40000

30000

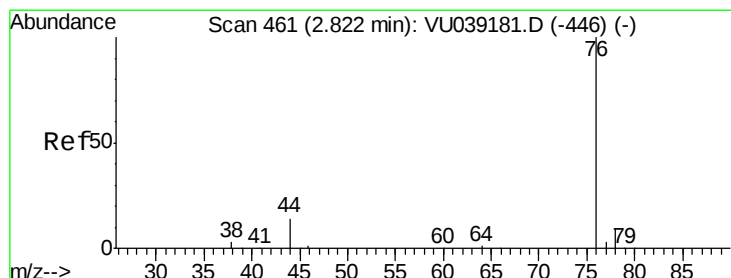
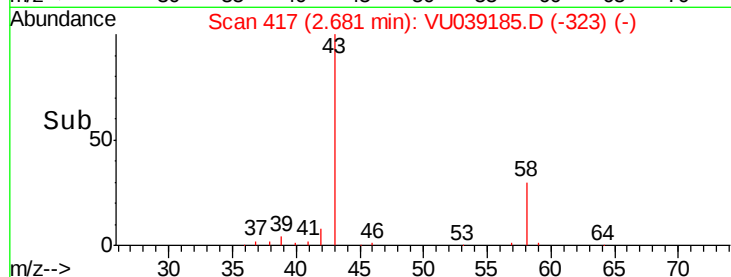
20000

10000

0

Time-->

2.60 2.70 2.80 2.90



#14

Carbon disulfide

Concen: 4.769 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU039185.D

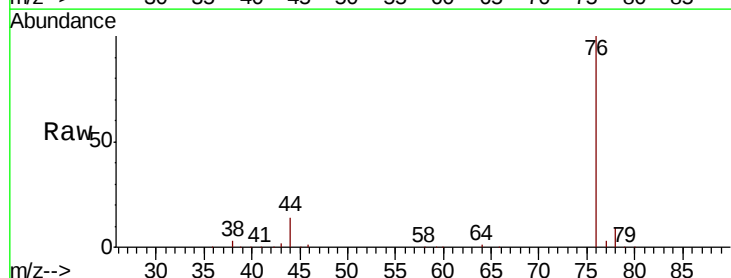
Acq: 29 Jun 2020 12:10

Tgt Ion: 76 Resp: 316553

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU039181.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU039181.D (-446) (-)

2.82

200000

150000

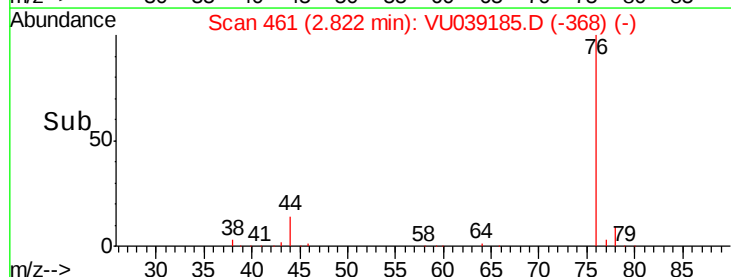
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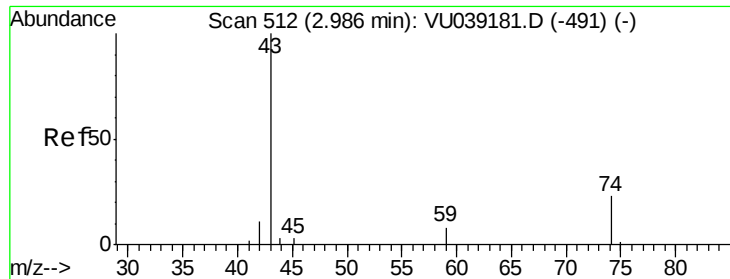
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0

Time-->

2.75 2.80 2.85 2.90

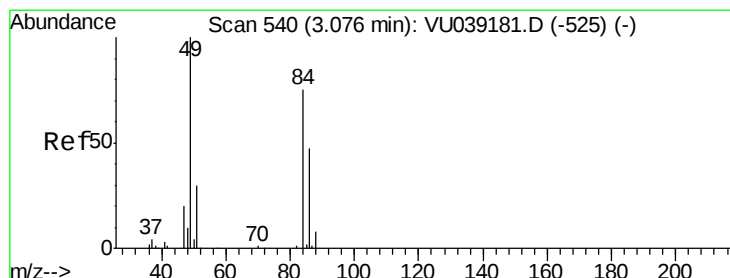
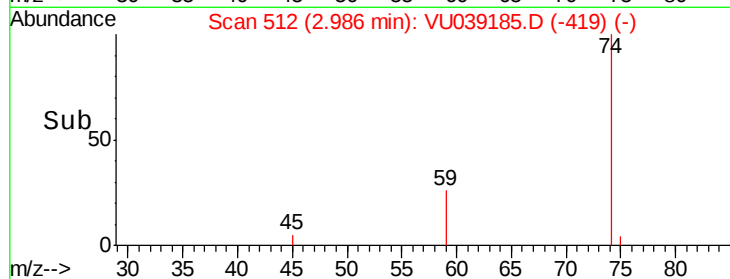
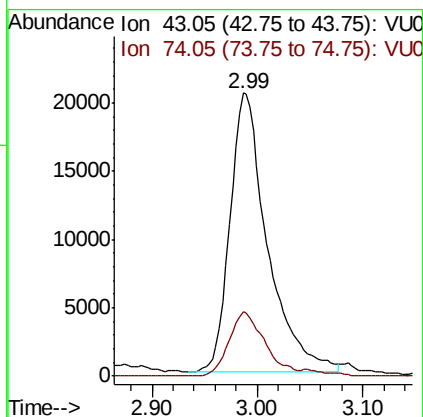
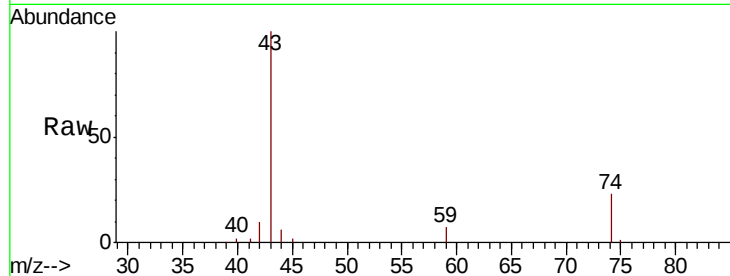




#15
Methyl Acetate
Concen: 4.565 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.00 min
Lab File: VU039185.D
Acq: 29 Jun 2020 12:10

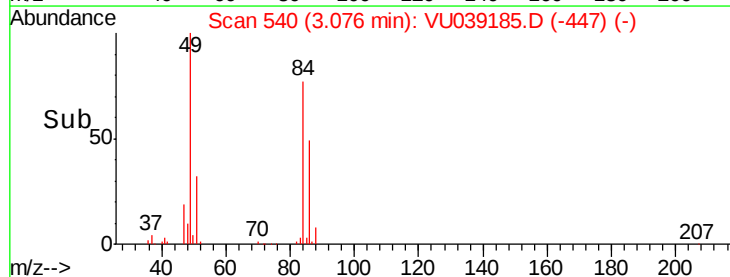
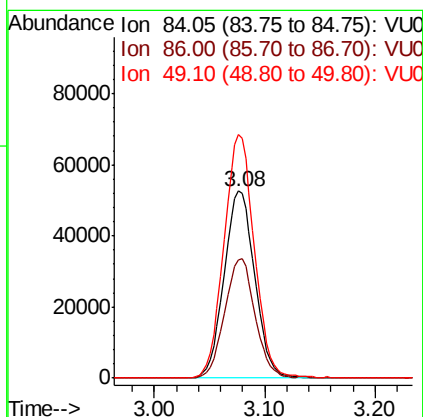
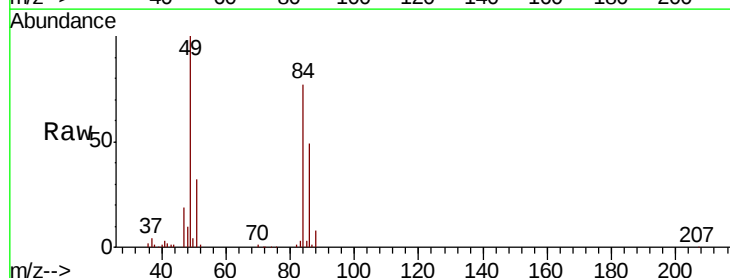
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

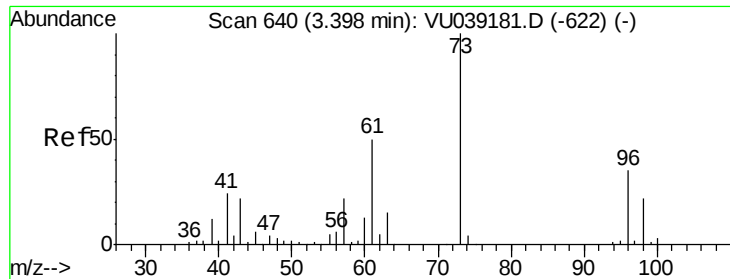
Tot Ion: 43 Resp: 50395
Ion Ratio Lower Upper
43 100
74 21.9 17.8 26.6



#16
Methylene chloride
Concen: 4.478 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU039185.D
Acq: 29 Jun 2020 12:10

Tgt Ion: 84 Resp: 101621
Ion Ratio Lower Upper
84 100
86 63.3 44.2 82.2
49 130.1 93.2 173.0

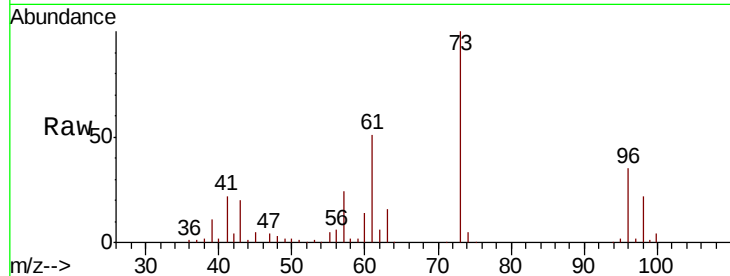




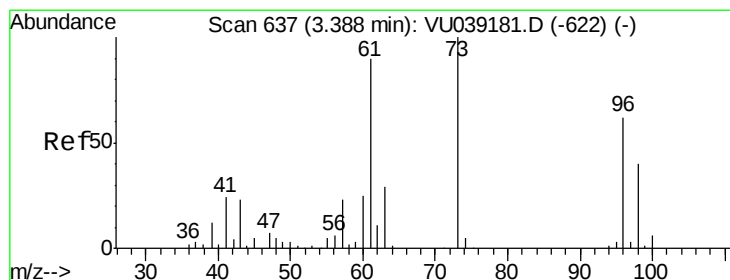
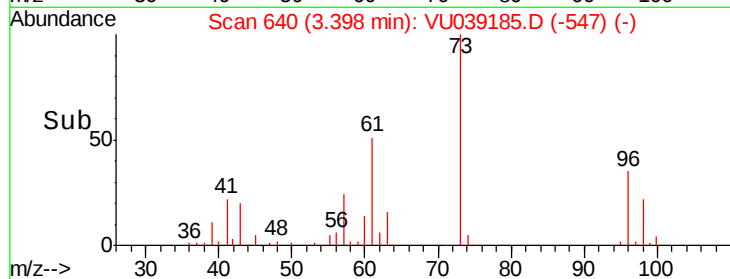
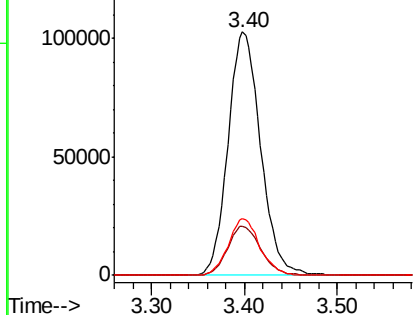
#17
Methvl tert-butvl Ether
Concen: 4.891 ug/L
RT: 3.40 min Scan# 640
Delta R.T. 0.00 min
Lab File: VU039185.D
Acq: 29 Jun 2020 12:10

Instrument :
MSVOA_U
ClientSampled :
VSTD00521

Tot Ion: 73 Resp: 249815
Ion Ratio Lower Upper
73 100
43 20.8 17.4 26.0
57 22.7 17.9 26.9

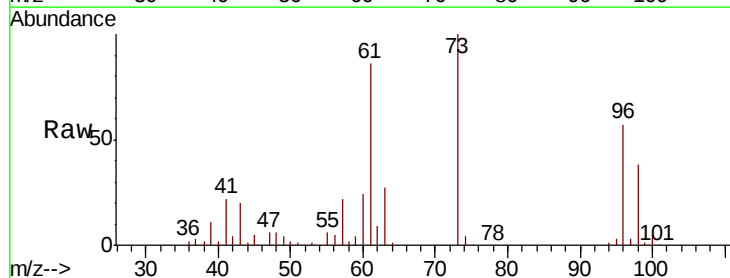


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

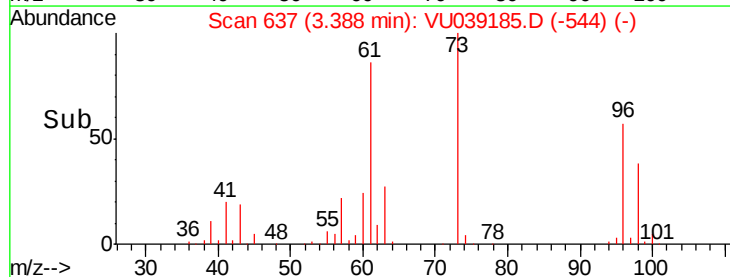
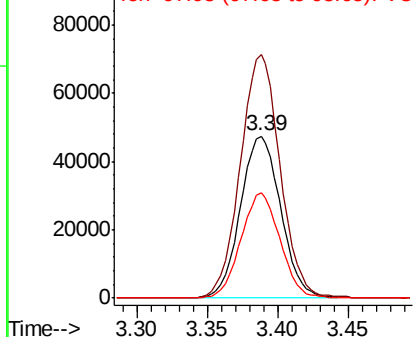


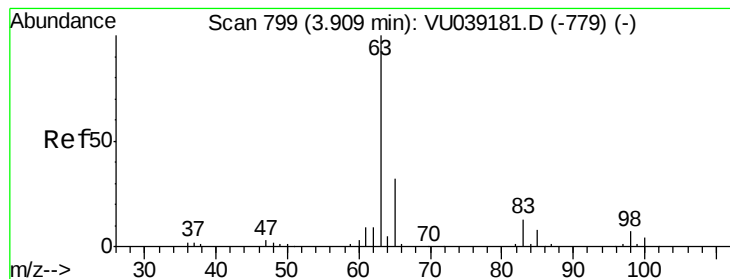
#18
trans-1,2-Dichloroethene
Concen: 4.719 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU039185.D
Acq: 29 Jun 2020 12:10

Tgt Ion: 96 Resp: 95081
Ion Ratio Lower Upper
96 100
61 150.5 100.5 186.7
98 65.5 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 4.645 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU039185.D

Acq: 29 Jun 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

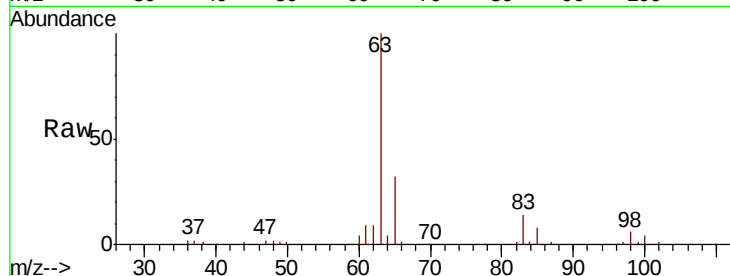
Tot Ion: 63 Resp: 178746

Ion Ratio Lower Upper

63 100

65 31.5 22.4 41.6

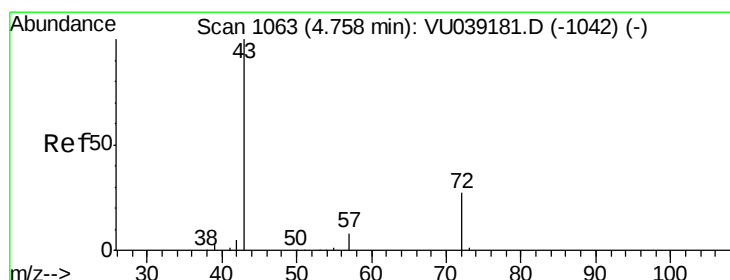
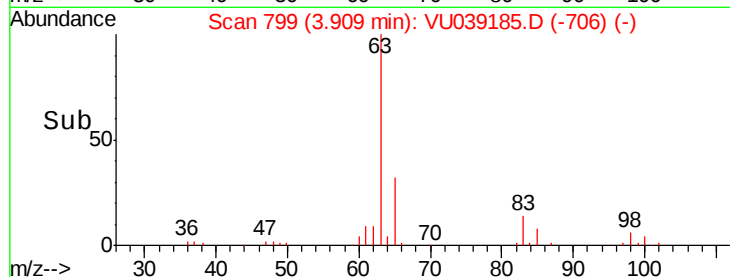
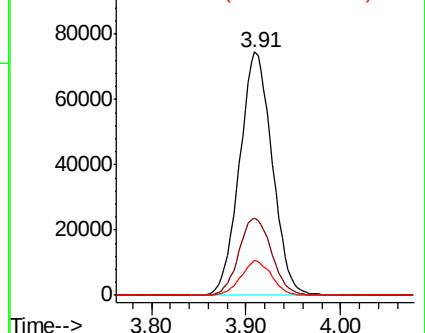
83 14.1 9.2 17.2



Abundance Ion 63.10 (62.80 to 63.80): VU039185.D (-779) (-)

Ion 65.10 (64.80 to 65.80): VU039185.D (-779) (-)

Ion 83.05 (82.75 to 83.75): VU039185.D (-779) (-)



#21

2-Butanone

Concen: 48.007 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VU039185.D

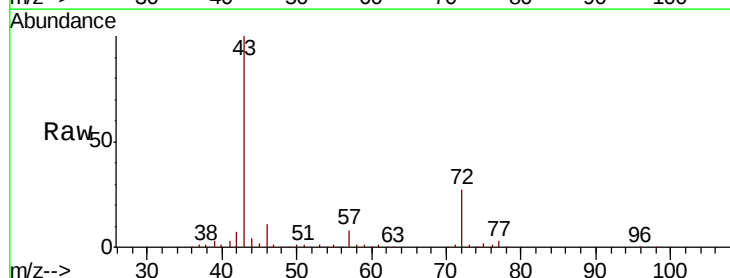
Acq: 29 Jun 2020 12:10

Tgt Ion: 43 Resp: 336957

Ion Ratio Lower Upper

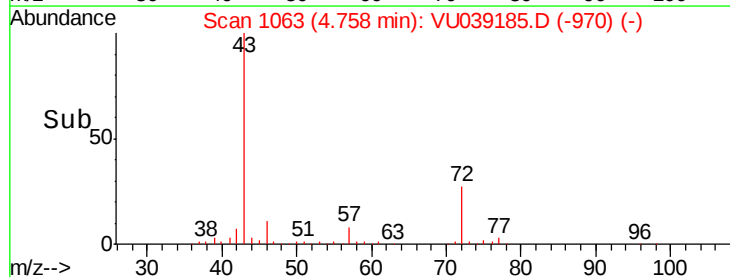
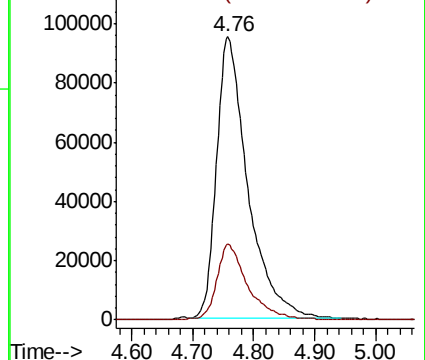
43 100

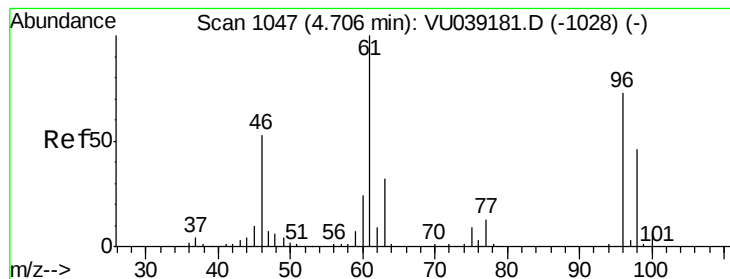
72 25.8 13.2 39.6



Abundance Ion 43.05 (42.75 to 43.75): VU039185.D (-970) (-)

Ion 72.10 (71.80 to 72.80): VU039185.D (-970) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.894 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU039185.D

Acq: 29 Jun 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

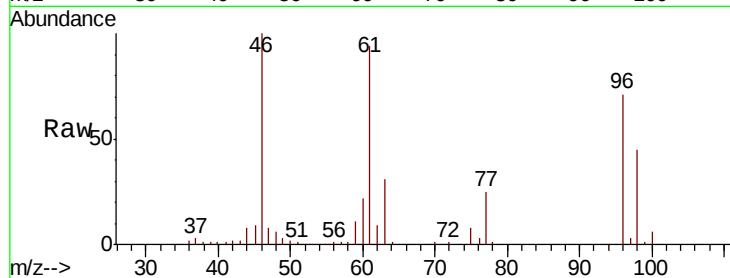
Tot Ion: 96 Resp: 99030

Ion Ratio Lower Upper

96 100

61 132.3 96.3 178.9

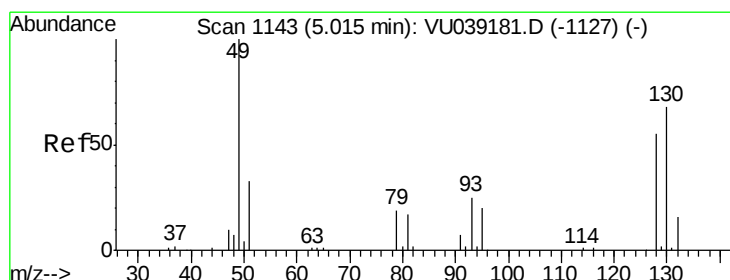
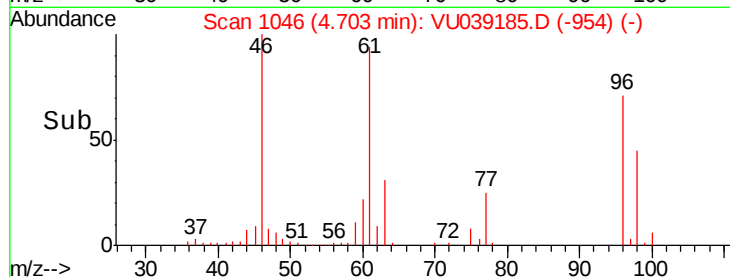
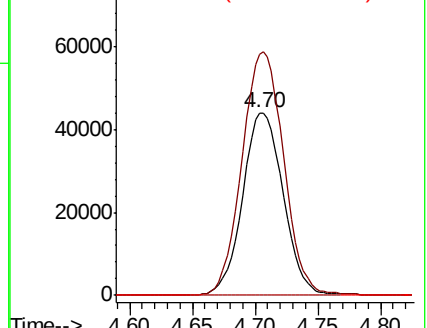
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039185.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU039185.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU039185.D (-954) (-)



#23

Bromochloromethane

Concen: 4.560 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU039185.D

Acq: 29 Jun 2020 12:10

Tgt Ion:128 Resp: 44551

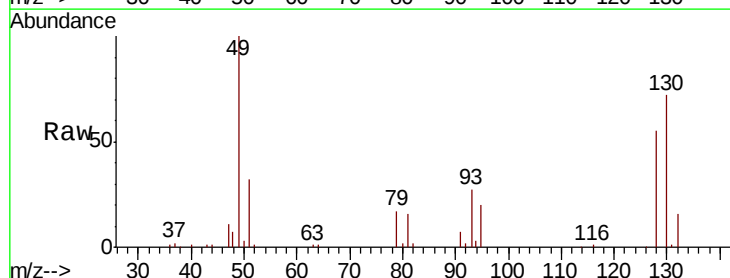
Ion Ratio Lower Upper

128 100

49 183.5 126.7 235.3

130 131.6 86.2 160.2

51 57.9 47.5 71.3

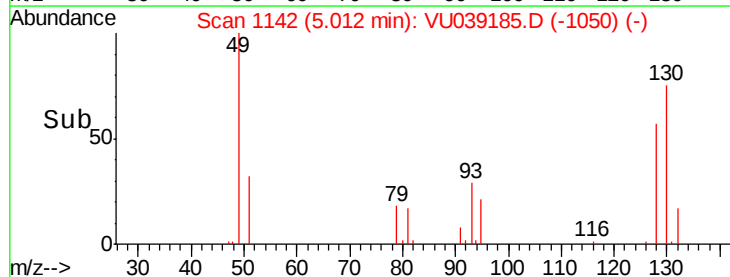
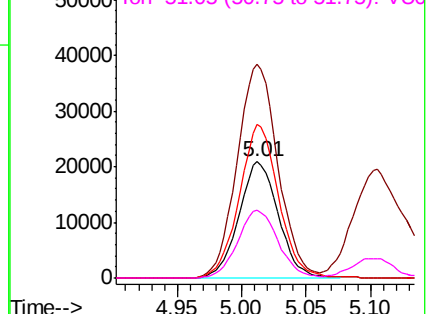


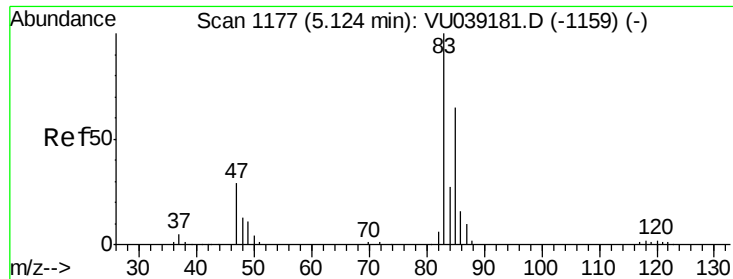
Abundance Ion 127.90 (127.60 to 128.60): VU039185.D (-1050) (-)

Ion 49.10 (48.80 to 49.80): VU039185.D (-1050) (-)

Ion 129.95 (129.65 to 130.65): VU039185.D (-1050) (-)

Ion 51.05 (50.75 to 51.75): VU039185.D (-1050) (-)

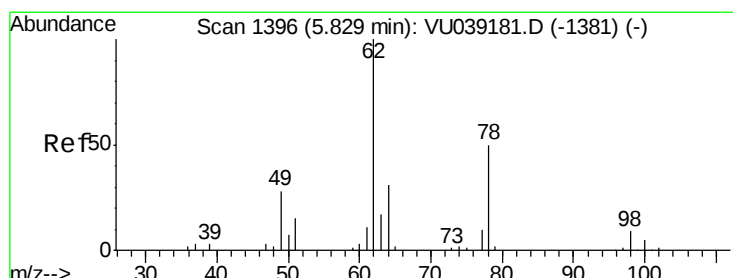
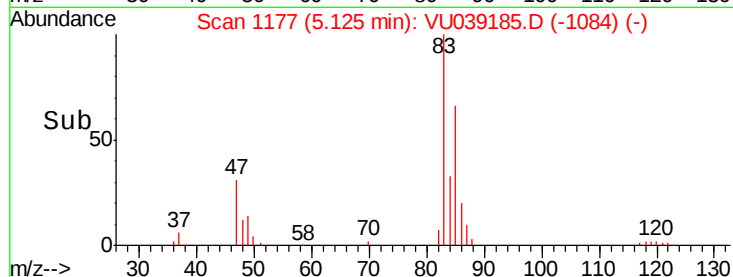
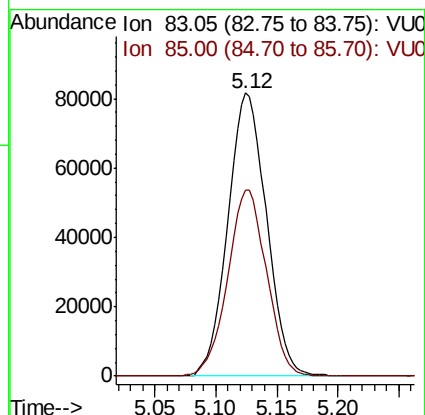
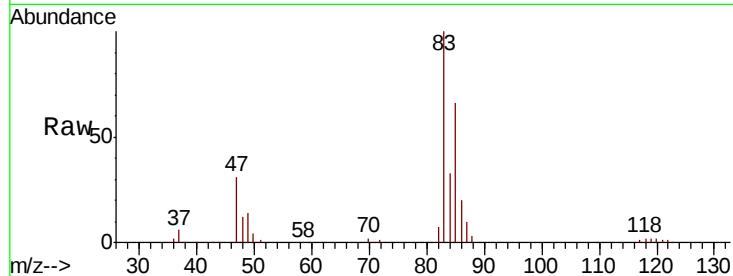




#25
Chloroform
Concen: 4.692 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU039185.D
Acq: 29 Jun 2020 12:10

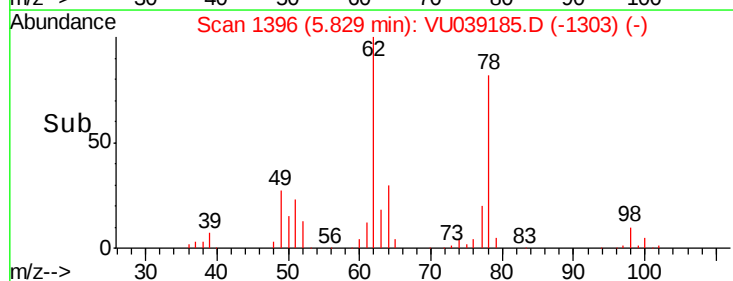
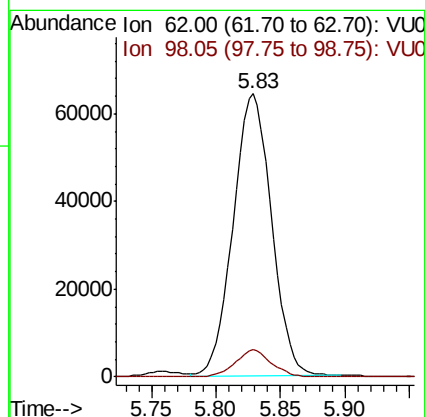
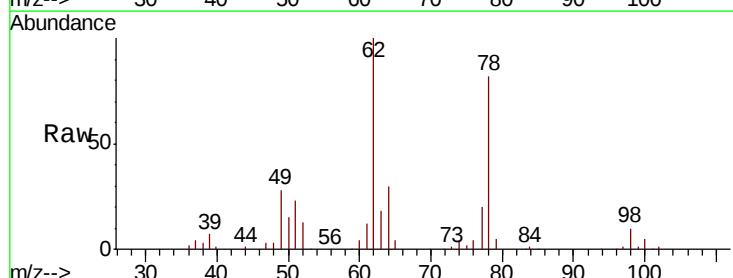
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

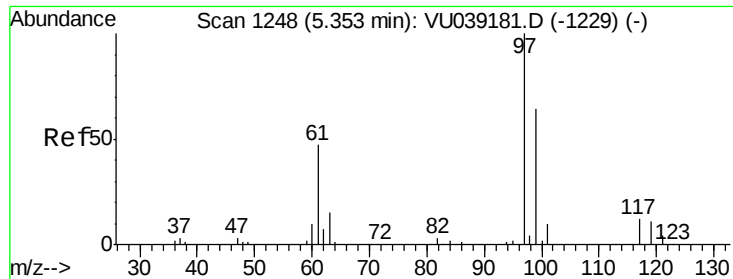
Tot Ion: 83 Resp: 179753
Ion Ratio Lower Upper
83 100
85 65.6 45.5 84.5



#27
1,2-Dichloroethane
Concen: 4.716 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU039185.D
Acq: 29 Jun 2020 12:10

Tgt Ion: 62 Resp: 133530
Ion Ratio Lower Upper
62 100
98 9.8 7.3 10.9

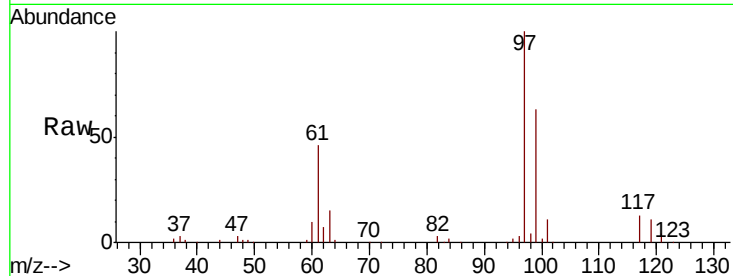




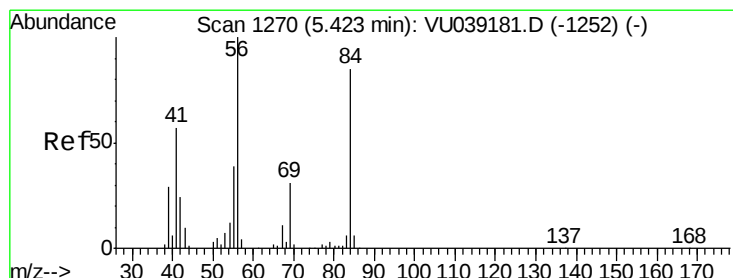
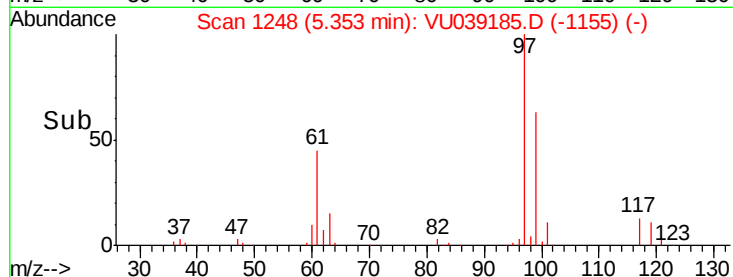
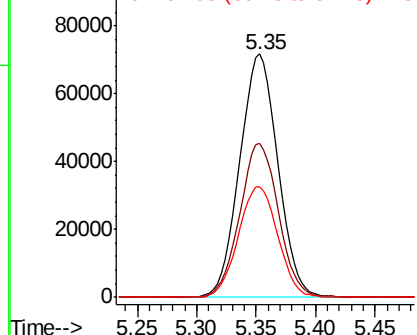
#29
 1,1,1-Trichloroethane
 Concen: 4.784 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU039185.D
 Acq: 29 Jun 2020 12:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tot Ion: 97 Resp: 159322
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.2 76.8
 61 47.1 37.3 55.9

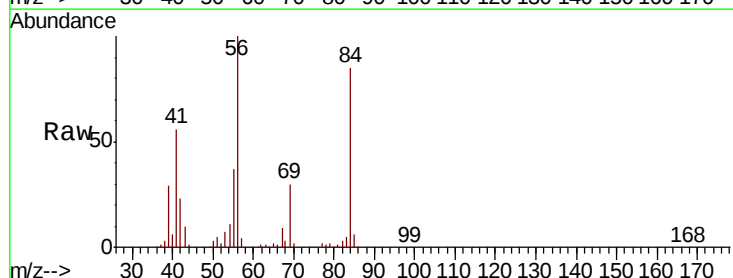


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

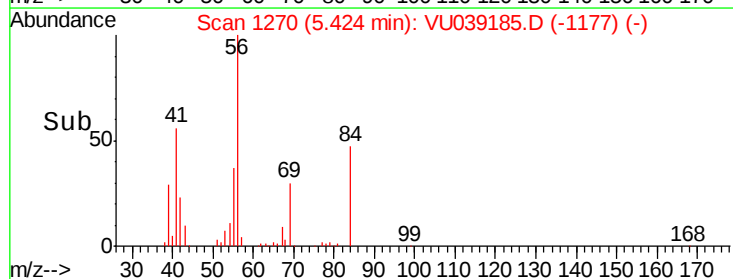
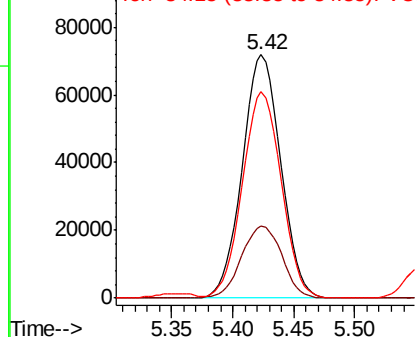


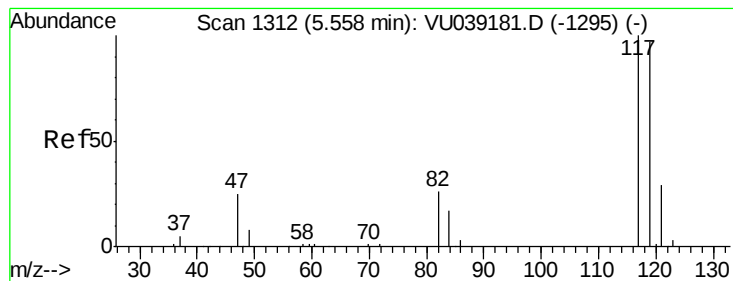
#30
 Cyclohexane
 Concen: 5.012 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU039185.D
 Acq: 29 Jun 2020 12:10

Tgt Ion: 56 Resp: 156540
 Ion Ratio Lower Upper
 56 100
 69 31.1 25.0 37.4
 84 85.7 69.4 104.2



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.827 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU039185.D

Acq: 29 Jun 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

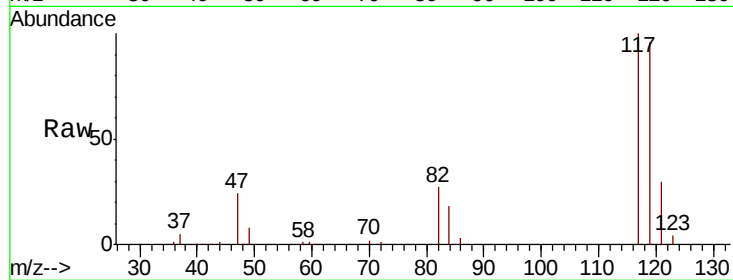
VSTD00521

Tot Ion:117 Resp: 135214

Ion Ratio Lower Upper

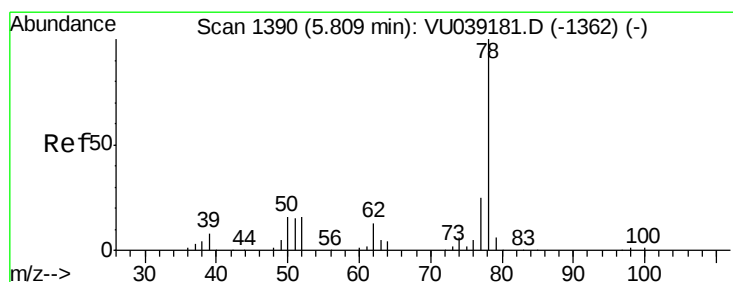
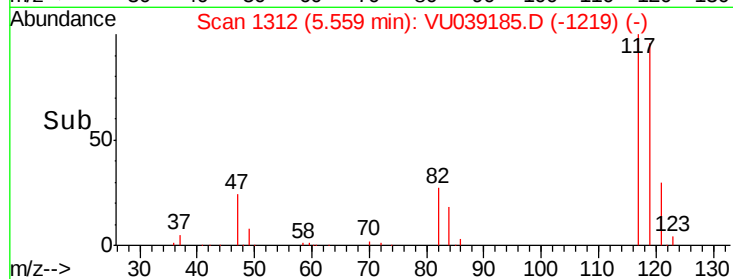
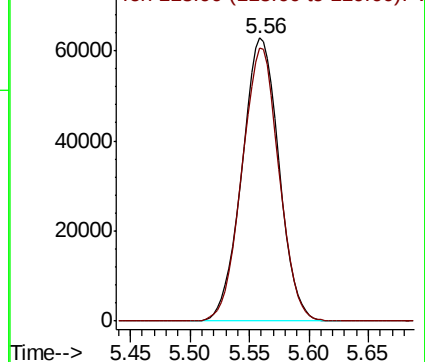
117 100

119 96.5 76.6 114.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.941 ug/L

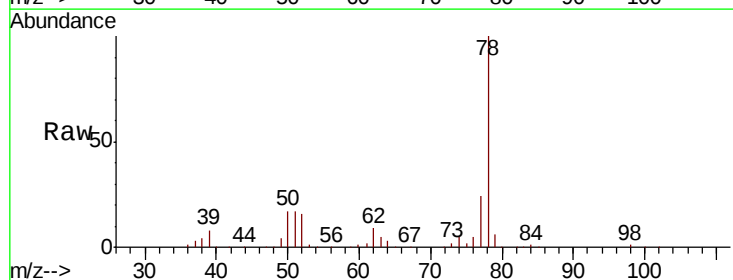
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

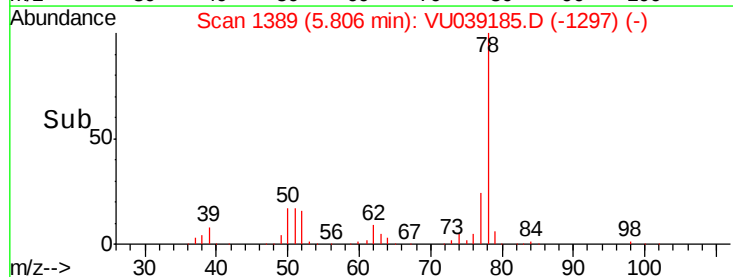
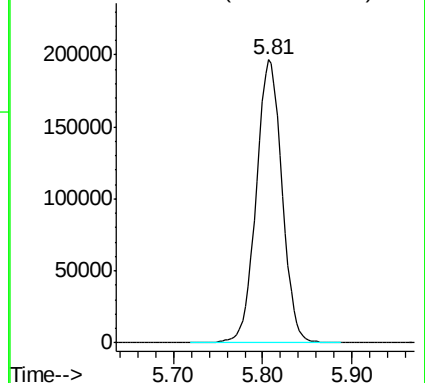
Lab File: VU039185.D

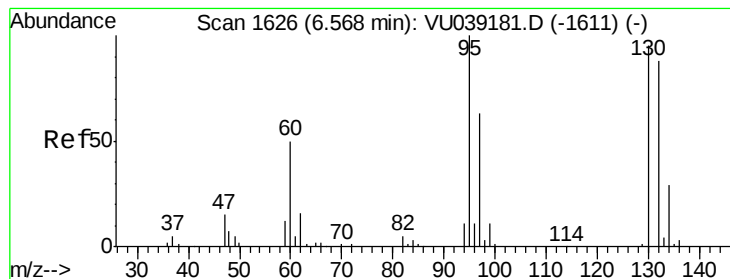
Acq: 29 Jun 2020 12:10

Tgt Ion: 78 Resp: 395819



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.966 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU039185.D

Acq: 29 Jun 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

Tot Ion: 95 Resp: 101689

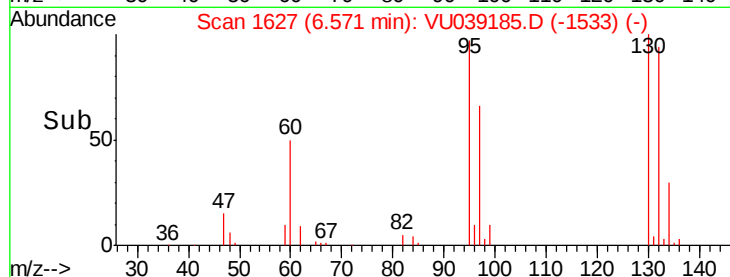
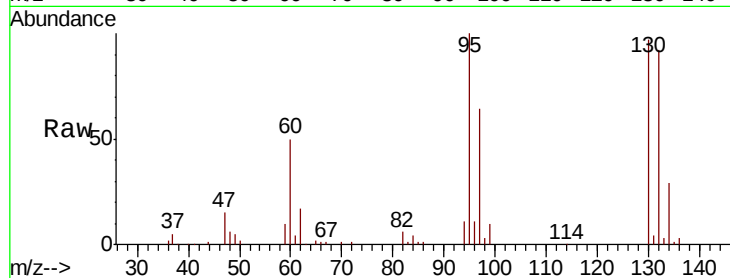
Ion Ratio Lower Upper

95 100

97 64.2 44.0 81.8

132 92.0 61.2 113.8

130 97.4 66.4 123.4



Abundance Ion 95.00 (94.70 to 95.70): VU039185.D (-1533) (-)

Ion 96.95 (96.65 to 97.65): VU039185.D (-1533) (-)

Ion 131.95 (131.65 to 132.65): VU039185.D (-1533) (-)

Ion 129.95 (129.65 to 130.65): VU039185.D (-1533) (-)

Time-->

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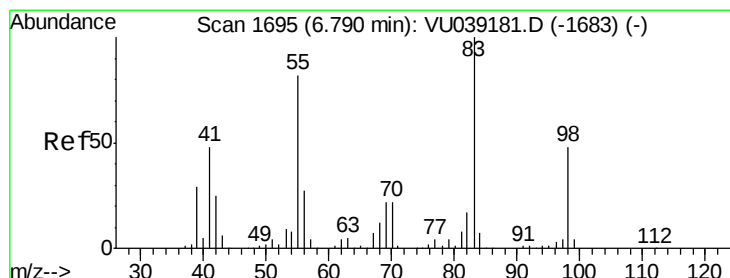
6.57

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6.57



#35

Methylcyclohexane

Concen: 5.012 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU039185.D

Acq: 29 Jun 2020 12:10

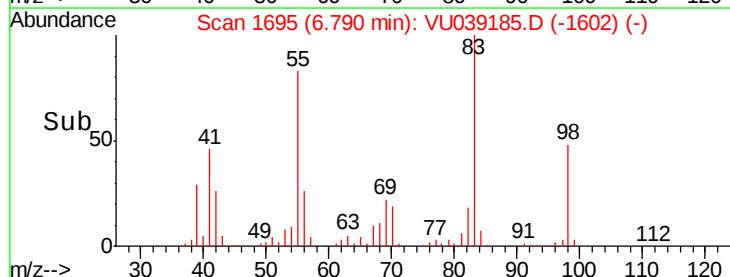
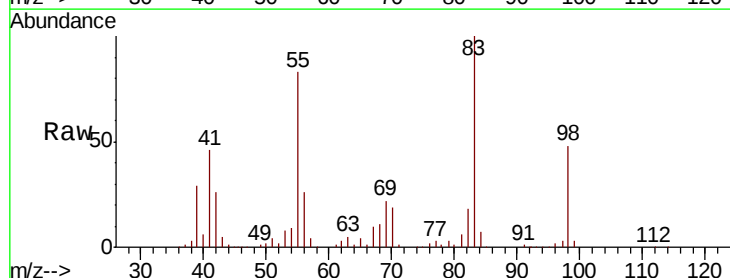
Tgt Ion: 83 Resp: 152959

Ion Ratio Lower Upper

83 100

55 81.4 65.5 98.3

98 47.4 38.2 57.4



Abundance Ion 83.15 (82.85 to 83.85): VU039185.D (-1602) (-)

Ion 55.10 (54.80 to 55.80): VU039185.D (-1602) (-)

Ion 98.15 (97.85 to 98.85): VU039185.D (-1602) (-)

Time-->

6.79

6.79

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6.79

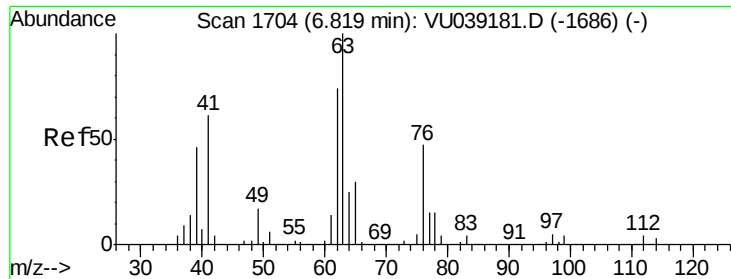
6.79

6.79

6.79

6.79

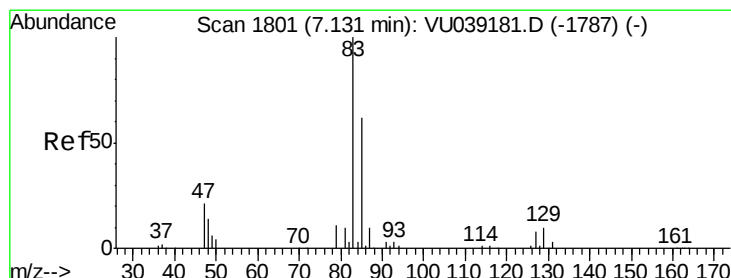
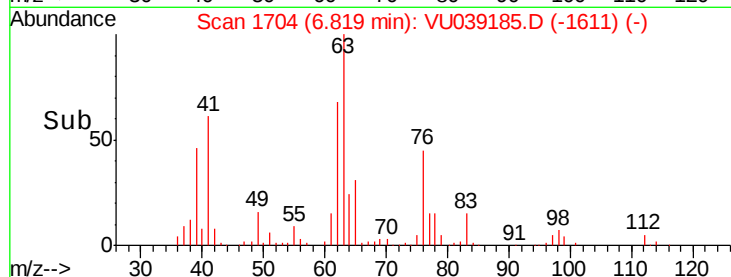
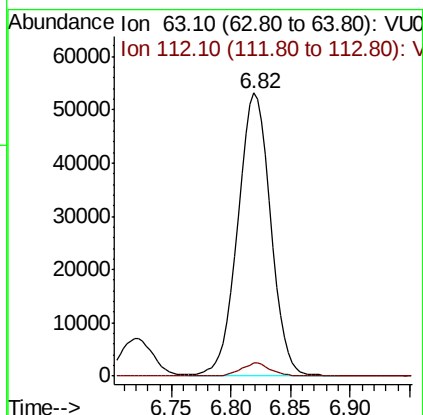
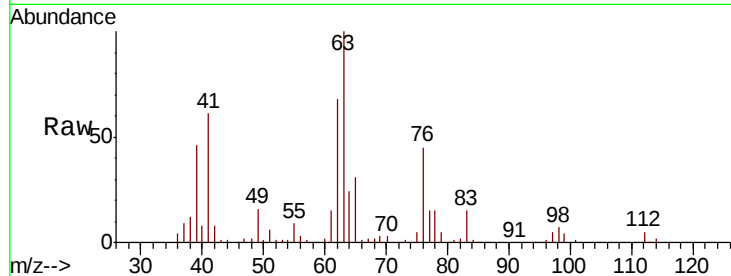
6.79



#37
 1,2-Dichloropropane
 Concen: 4.800 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: VU039185.D
 Acq: 29 Jun 2020 12:10

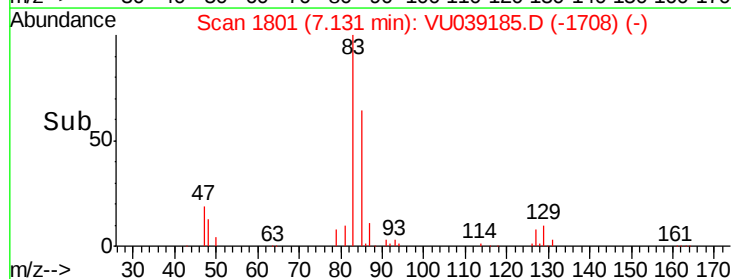
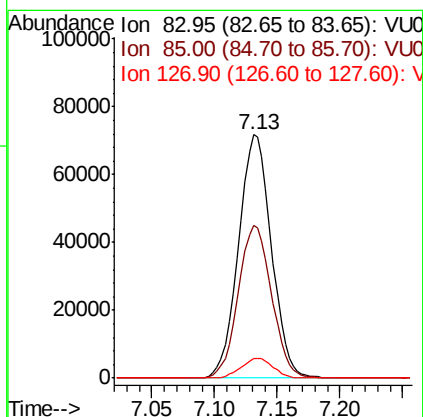
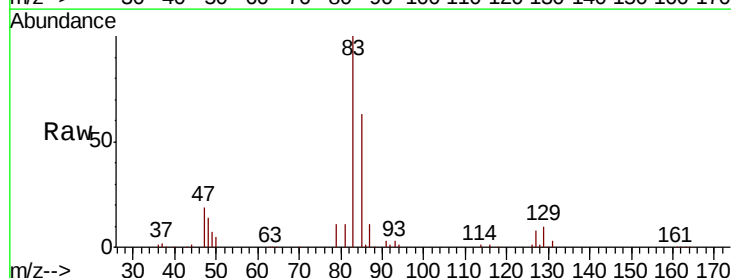
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

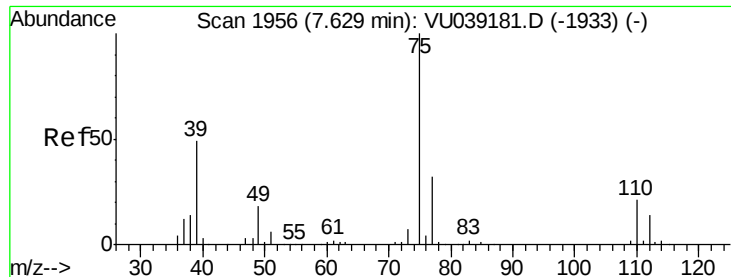
Tot Ion: 63 Resp: 102028
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.4 5.2



#38
 Bromodichloromethane
 Concen: 4.831 ug/L
 RT: 7.13 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VU039185.D
 Acq: 29 Jun 2020 12:10

Tgt Ion: 83 Resp: 130998
 Ion Ratio Lower Upper
 83 100
 85 62.9 43.4 80.6
 127 8.0 6.2 9.2

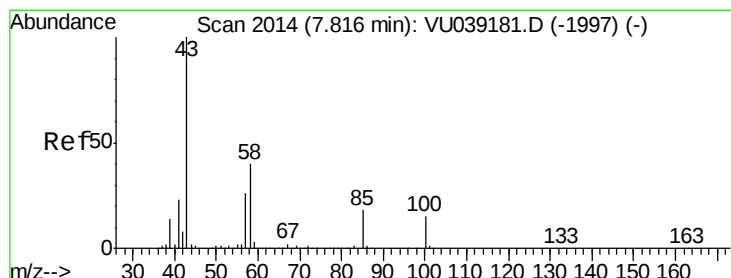
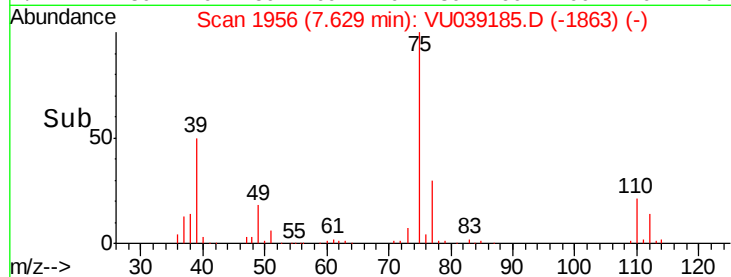
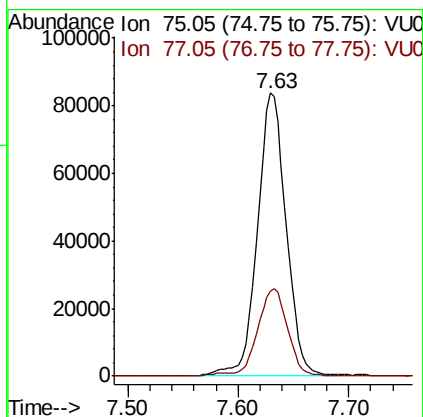
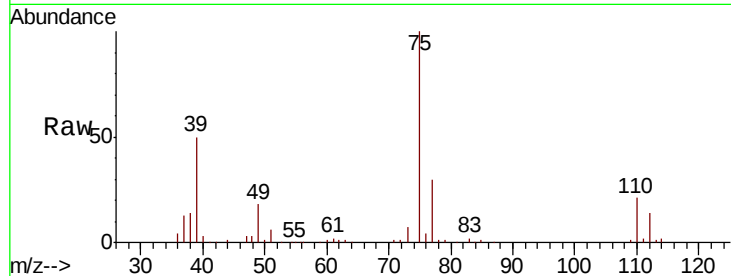




#39
 cis-1,3-Dichloropropene
 Concen: 4.959 ug/L
 RT: 7.63 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VU039185.D
 Acq: 29 Jun 2020 12:10

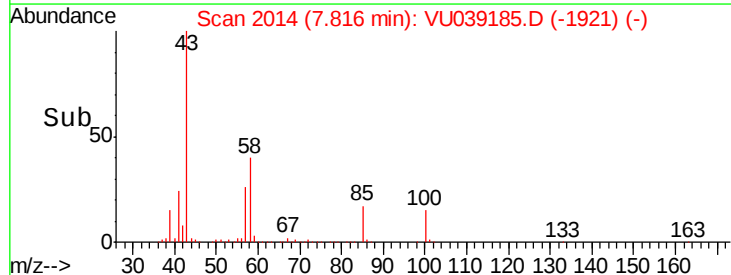
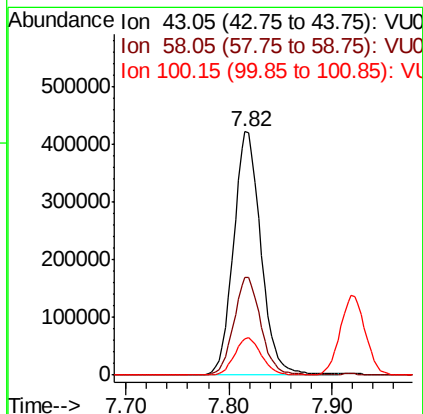
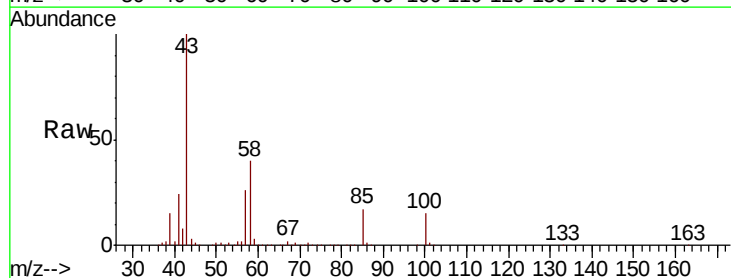
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

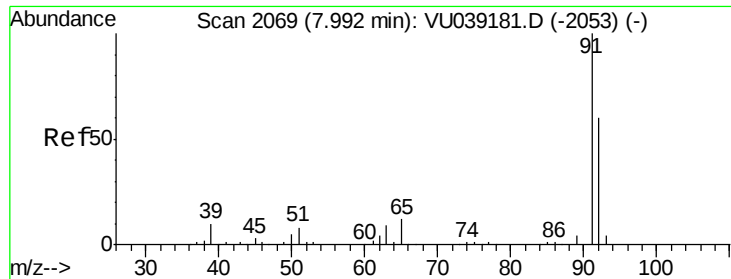
Tot Ion: 75 Resp: 151332
 Ion Ratio Lower Upper
 75 100
 77 30.2 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 50.900 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. 0.00 min
 Lab File: VU039185.D
 Acq: 29 Jun 2020 12:10

Tgt Ion: 43 Resp: 781418
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.3 46.9
 100 15.1 12.2 18.4





#42

Toluene

Concen: 5.142 ug/L

RT: 7.99 min Scan# 2068

Delta R.T. -0.00 min

Lab File: VU039185.D

Acq: 29 Jun 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

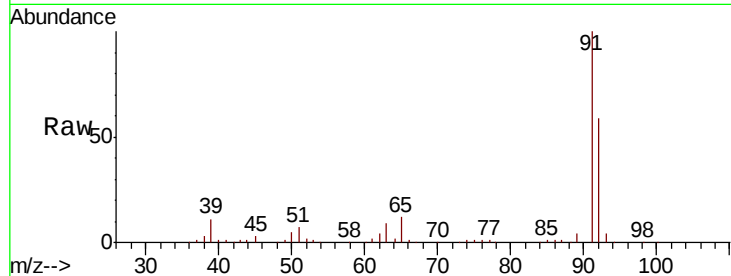
VSTD00521

Tot Ion: 91 Resp: 411206

Ion Ratio Lower Upper

91 100

92 59.4 42.4 78.6



Abundance Ion 91.15 (90.85 to 91.85): VU039185.D (-2053) (-)

Ion 92.15 (91.85 to 92.85): VU039185.D (-2053) (-)

7.99

250000

200000

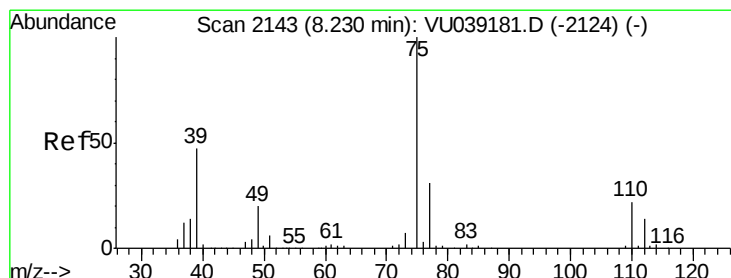
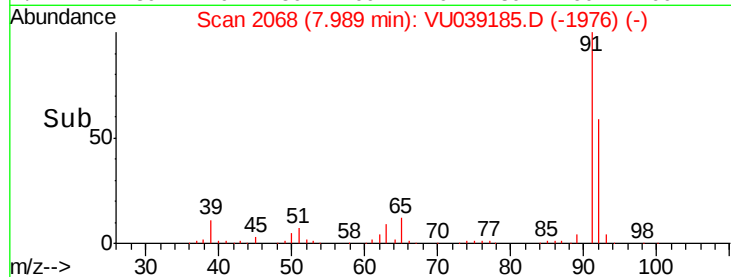
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.759 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU039185.D

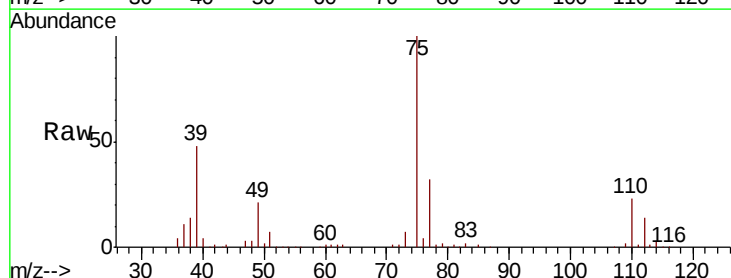
Acq: 29 Jun 2020 12:10

Tgt Ion: 75 Resp: 142703

Ion Ratio Lower Upper

75 100

77 31.8 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU039185.D (-2050) (-)

Ion 77.05 (76.75 to 77.75): VU039185.D (-2050) (-)

8.23

80000

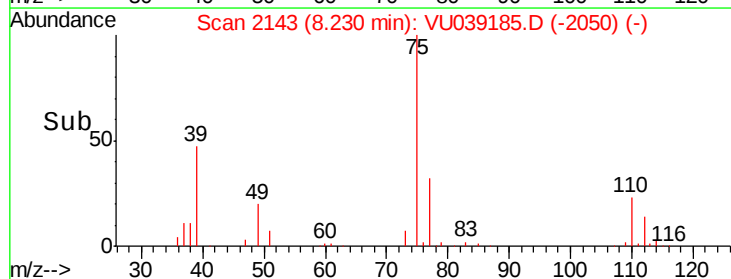
60000

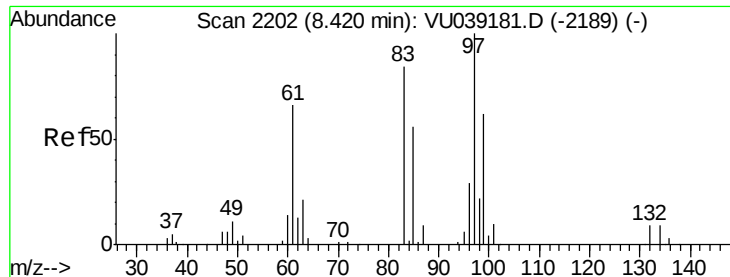
40000

20000

0

Time-->

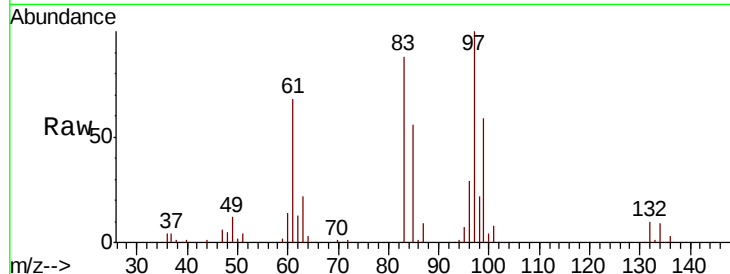




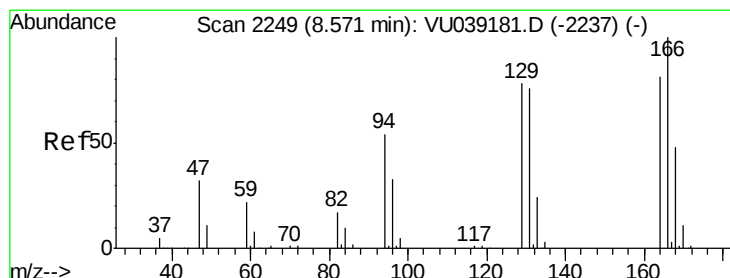
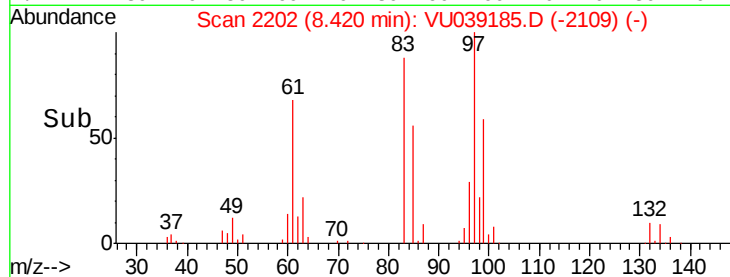
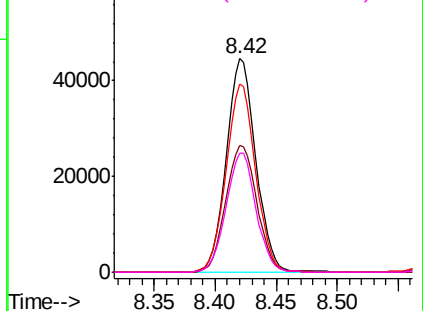
#45
1,1,2-Trichloroethane
Concen: 4.797 ug/L
RT: 8.42 min Scan# 2202
Delta R.T. 0.00 min
Lab File: VU039185.D
Acq: 29 Jun 2020 12:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Tot Ion:	97	Resp:	75540
Ion	Ratio	Lower	Upper
97	100		
99	59.1	43.5	80.7
83	88.3	59.1	109.9
85	55.7	39.3	73.1

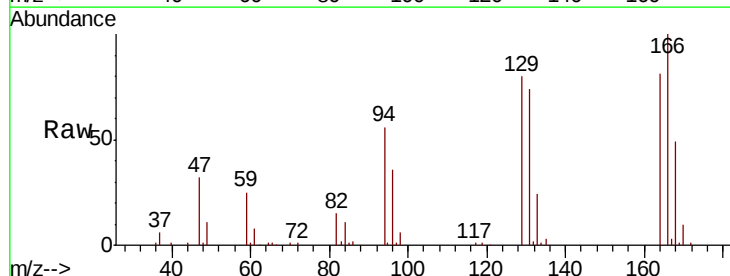


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

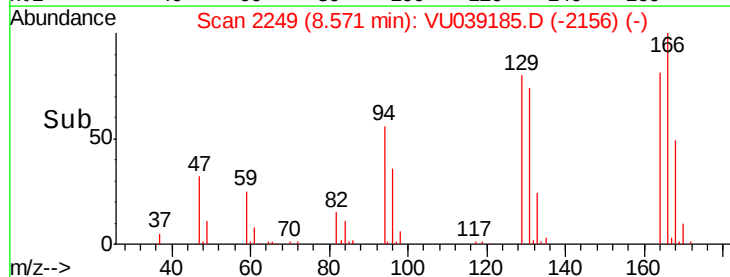
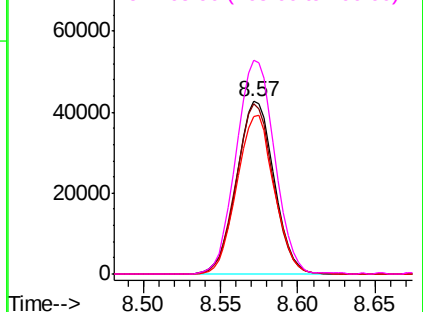


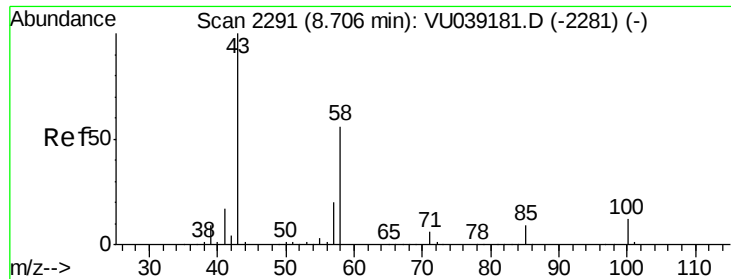
#47
Tetrachloroethene
Concen: 4.872 ug/L
RT: 8.57 min Scan# 2249
Delta R.T. 0.00 min
Lab File: VU039185.D
Acq: 29 Jun 2020 12:10

Tgt Ion:	164	Resp:	71764
Ion	Ratio	Lower	Upper
164	100		
129	98.6	67.6	125.6
131	91.3	66.1	122.7
166	123.9	86.8	161.2



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

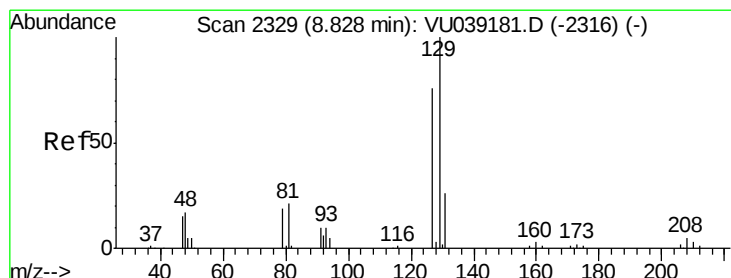
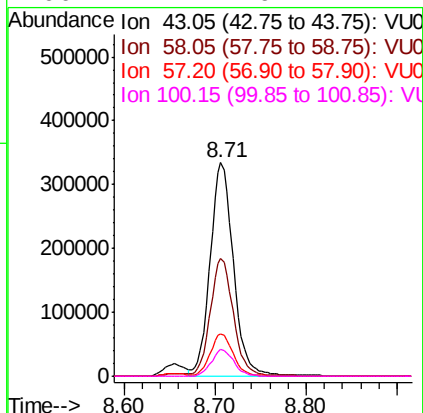
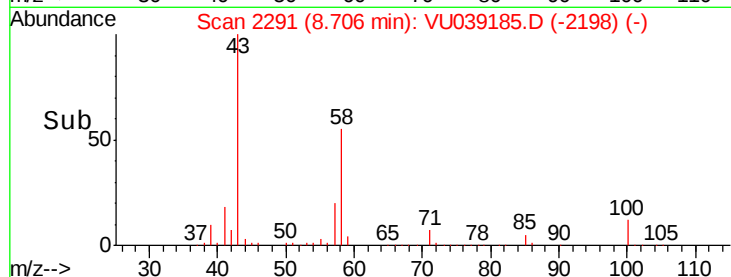
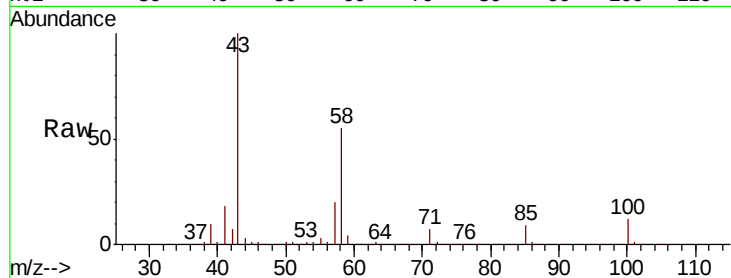




#48
2-Hexanone
Concen: 50.846 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU039185.D
Acq: 29 Jun 2020 12:10

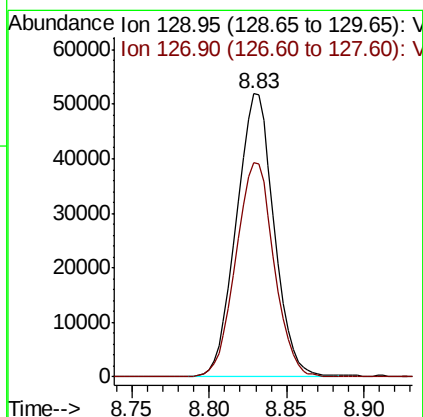
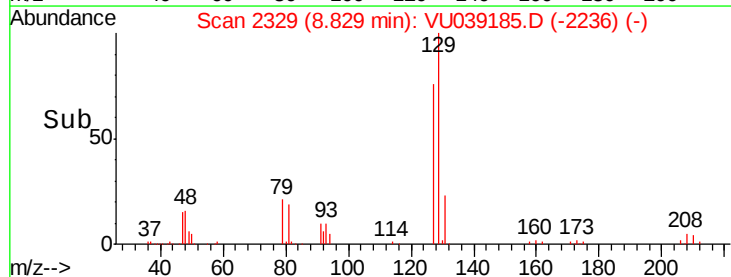
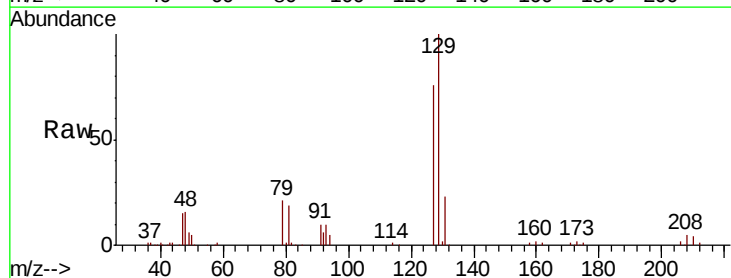
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

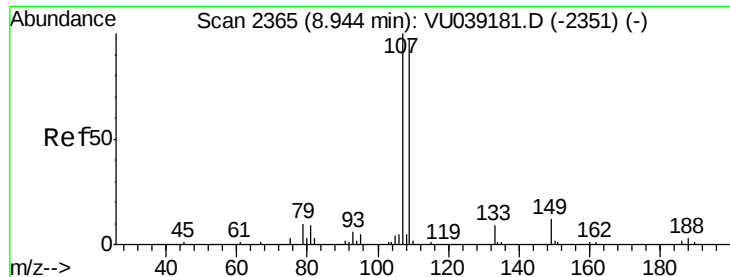
Tot Ion: 43 Resp: 595853
Ion Ratio Lower Upper
43 100
58 54.9 43.6 65.4
57 19.4 15.6 23.4
100 12.2 9.4 14.2



#49
Dibromochloromethane
Concen: 4.845 ug/L
RT: 8.83 min Scan# 2329
Delta R.T. 0.00 min
Lab File: VU039185.D
Acq: 29 Jun 2020 12:10

Tgt Ion: 129 Resp: 87881
Ion Ratio Lower Upper
129 100
127 75.9 53.5 99.3

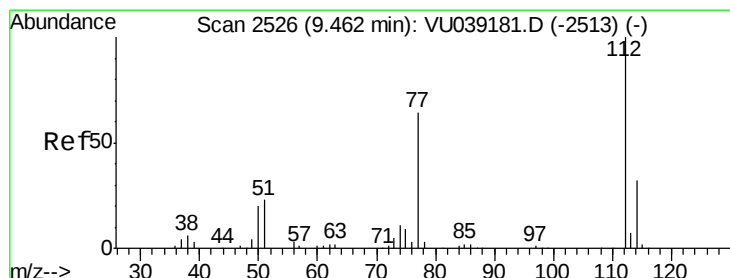
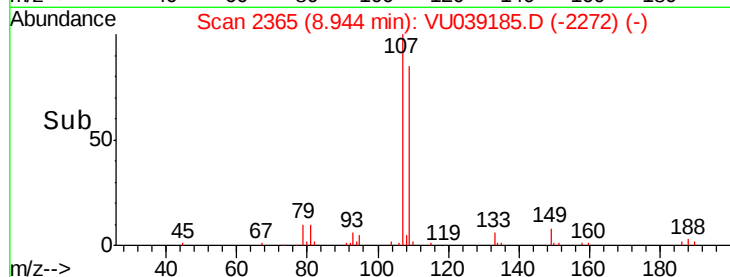
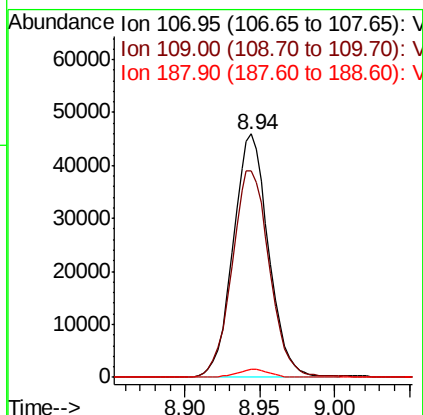
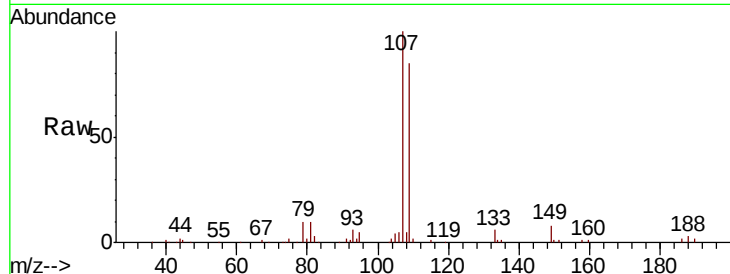




#50
1,2-Dibromoethane
Concen: 4.928 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. 0.00 min
Lab File: VU039185.D
Acq: 29 Jun 2020 12:10

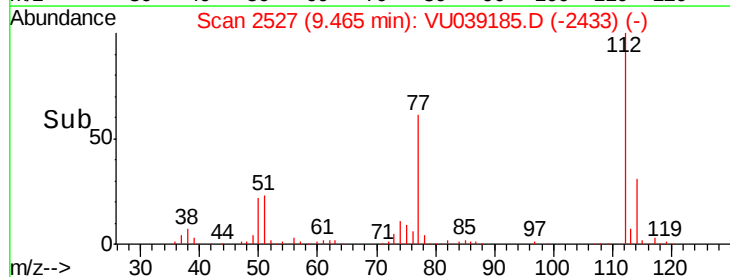
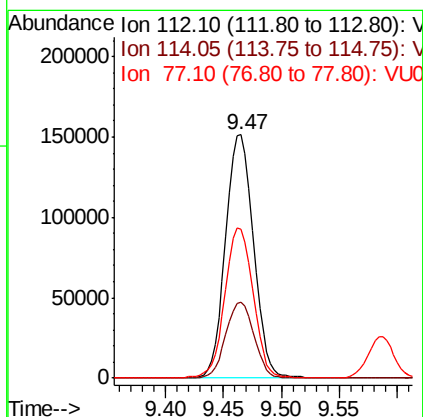
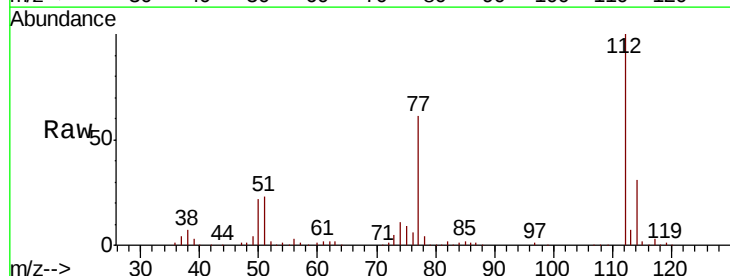
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

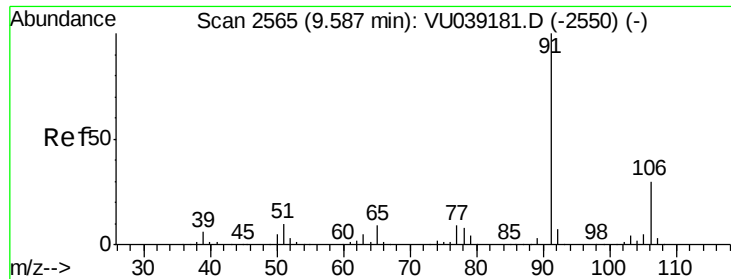
Tot Ion:107 Resp: 75714
Ion Ratio Lower Upper
107 100
109 84.9 67.7 125.7
188 3.3 2.5 3.7



#51
Chlorobenzene
Concen: 4.963 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. 0.00 min
Lab File: VU039185.D
Acq: 29 Jun 2020 12:10

Tgt Ion:112 Resp: 252770
Ion Ratio Lower Upper
112 100
114 31.2 22.6 42.0
77 61.3 51.1 76.7





#52

Ethylbenzene

Concen: 5.087 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU039185.D

Acq: 29 Jun 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

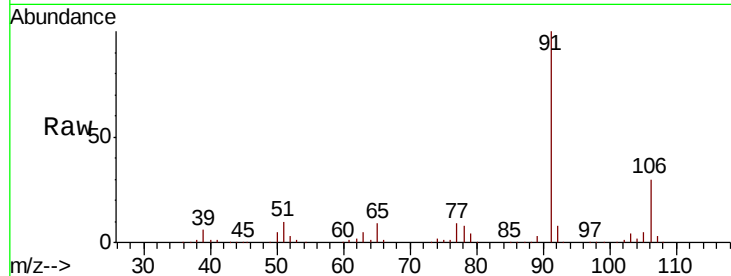
VSTD00521

Tot Ion: 91 Resp: 436582

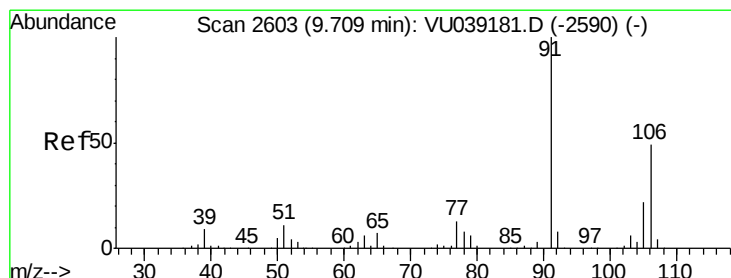
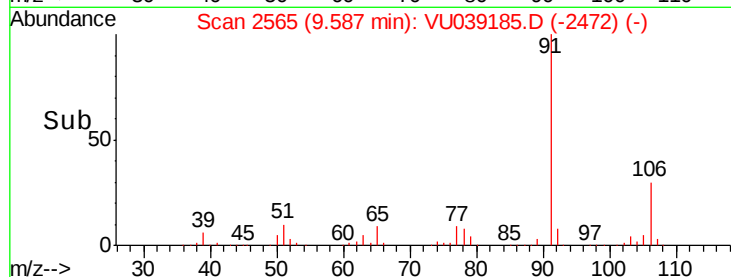
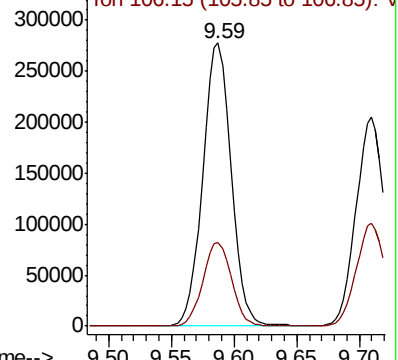
Ion Ratio Lower Upper

91 100

106 29.7 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VU039185.D (-2550) (-)



#53

m,p-Xylene

Concen: 5.269 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU039185.D

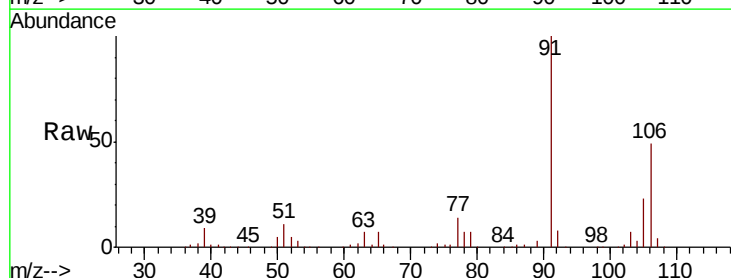
Acq: 29 Jun 2020 12:10

Tgt Ion: 106 Resp: 166655

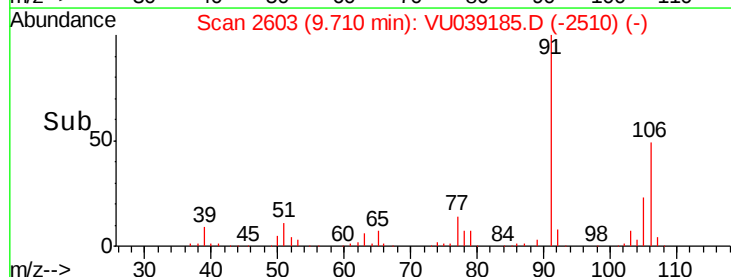
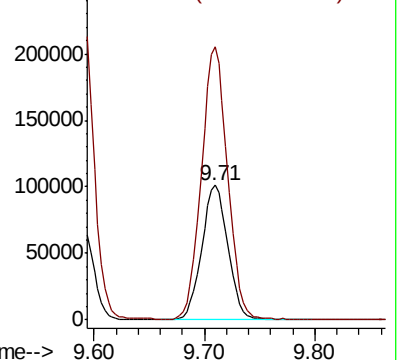
Ion Ratio Lower Upper

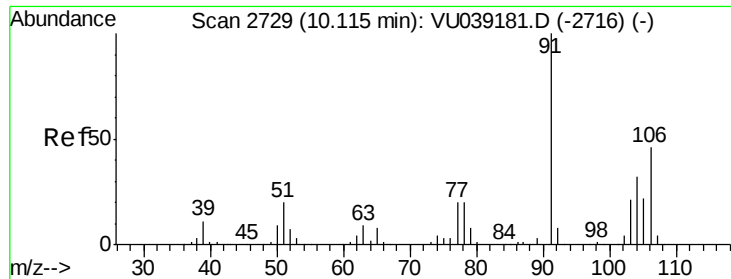
106 100

91 203.4 143.7 266.9



Abundance Ion 106.15 (105.85 to 106.85): VU039185.D (-2510) (-)

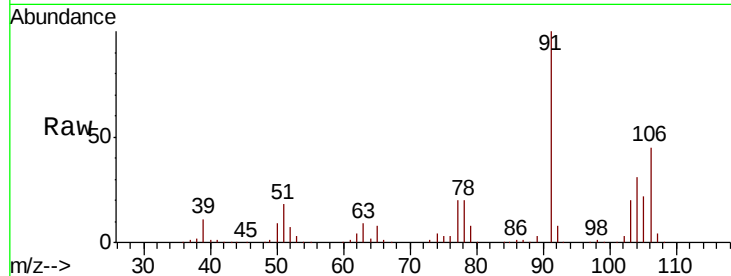




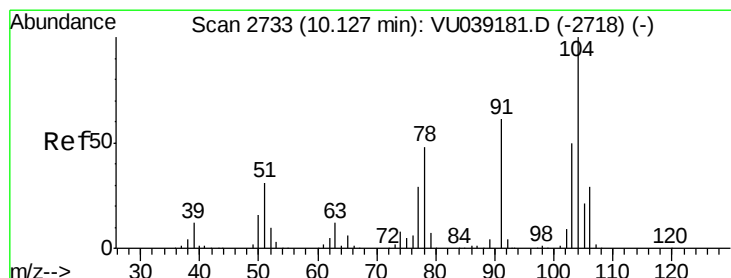
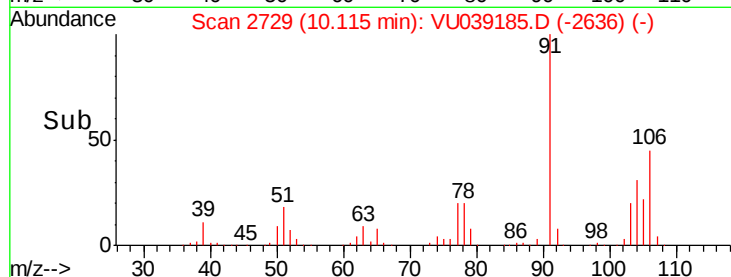
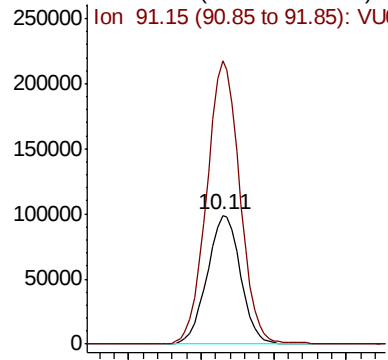
#54
o-Xylene
Concen: 5.172 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039185.D
Acq: 29 Jun 2020 12:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Tot Ion:106 Resp: 157410
Ion Ratio Lower Upper
106 100
91 220.3 153.2 284.6

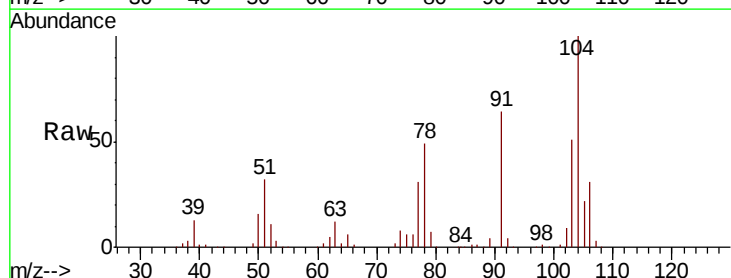


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

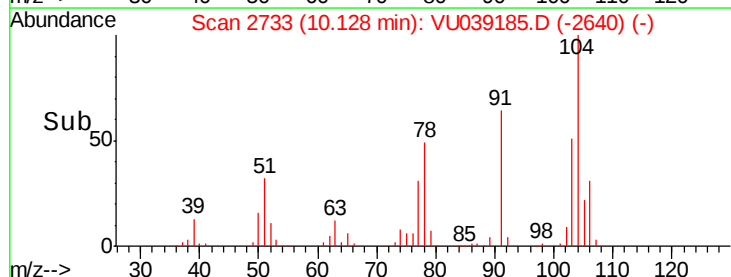
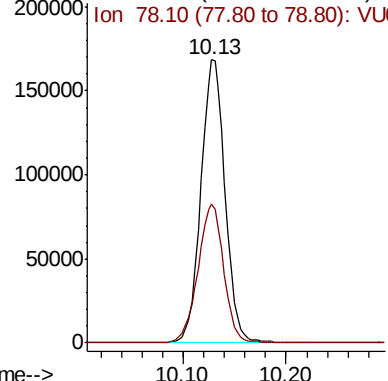


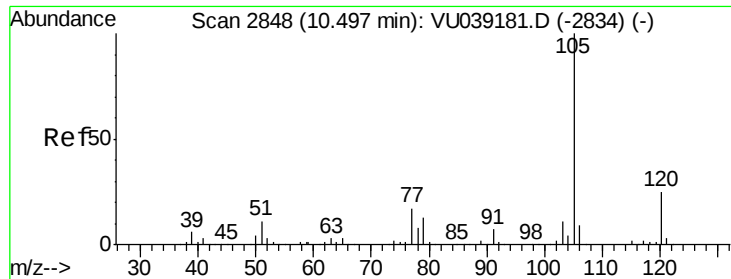
#55
Styrene
Concen: 5.214 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU039185.D
Acq: 29 Jun 2020 12:10

Tgt Ion:104 Resp: 275309
Ion Ratio Lower Upper
104 100
78 48.8 33.5 62.1



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.198 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VU039185.D

Acq: 29 Jun 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

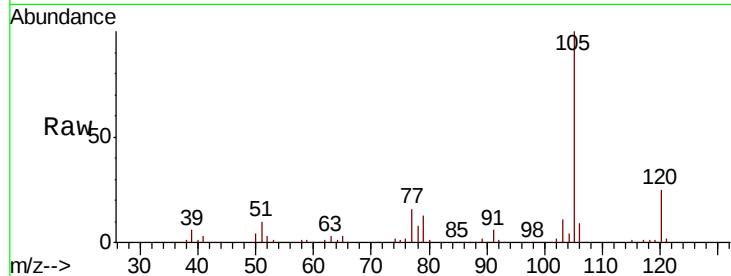
Tot Ion:105 Resp: 420967

Ion Ratio Lower Upper

105 100

120 25.2 20.1 30.1

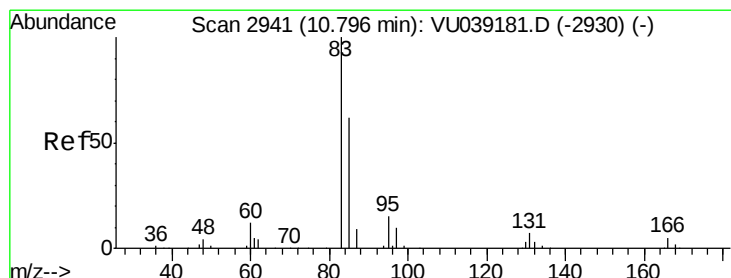
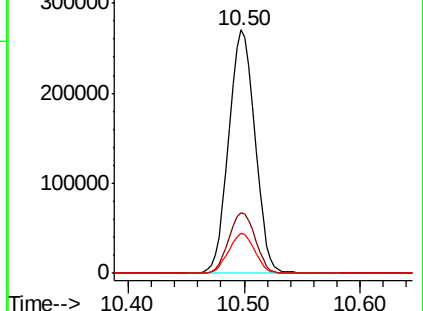
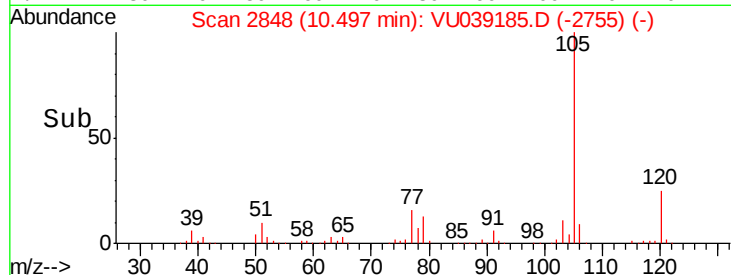
77 16.3 13.4 20.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.617 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU039185.D

Acq: 29 Jun 2020 12:10

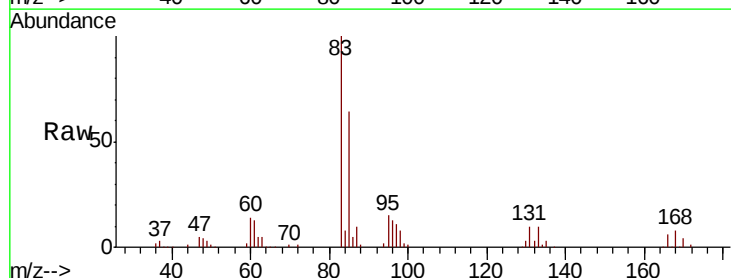
Tgt Ion: 83 Resp: 97024

Ion Ratio Lower Upper

83 100

85 64.4 43.4 80.6

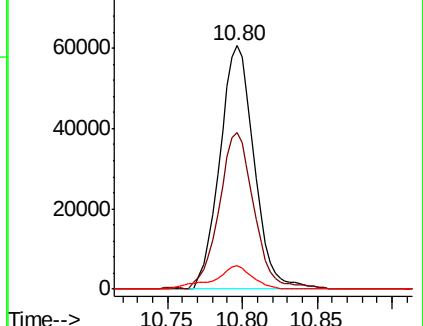
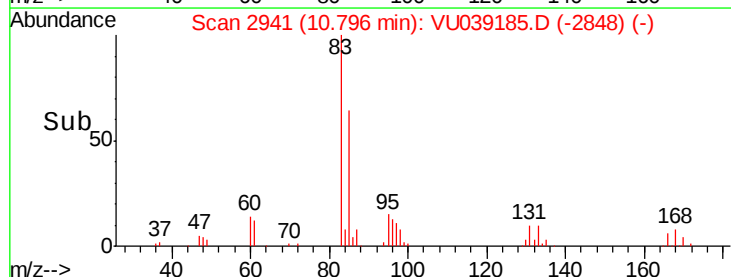
131 9.5 6.5 9.7

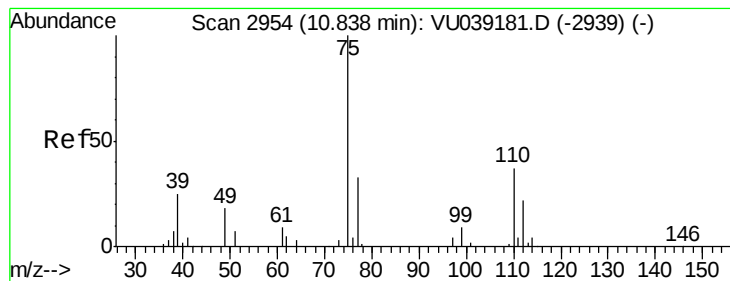


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.782 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU039185.D

Acq: 29 Jun 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

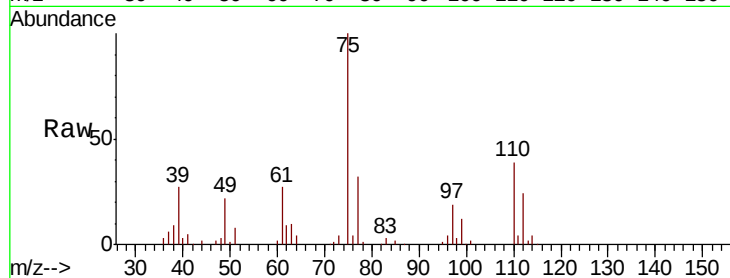
VSTD00521

Tot Ion: 75 Resp: 76499

Ion Ratio Lower Upper

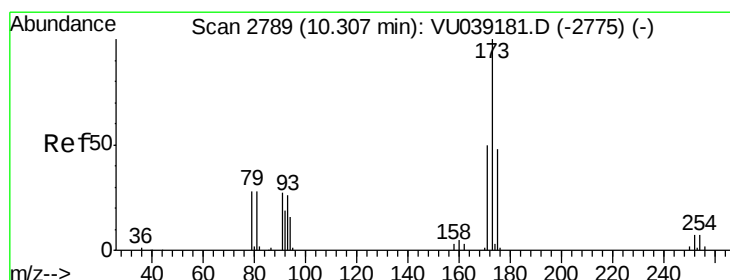
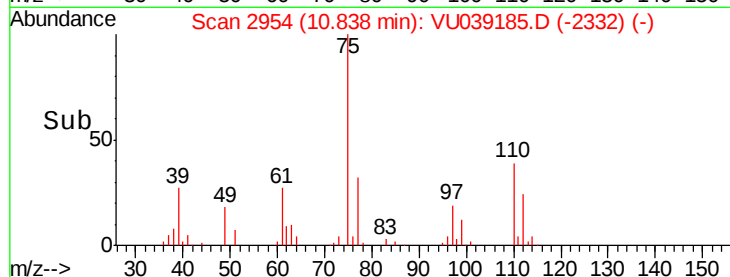
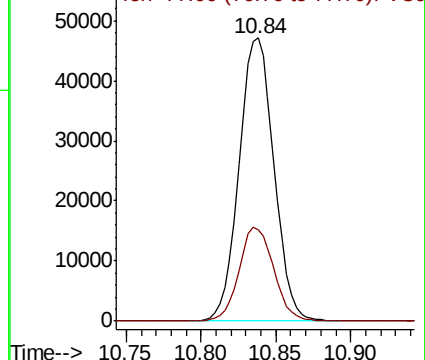
75 100

77 33.0 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU039181.D (-2939) (-)

Ion 77.00 (76.70 to 77.70): VU039181.D (-2939) (-)



#61

Bromoform

Concen: 4.959 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VU039185.D

Acq: 29 Jun 2020 12:10

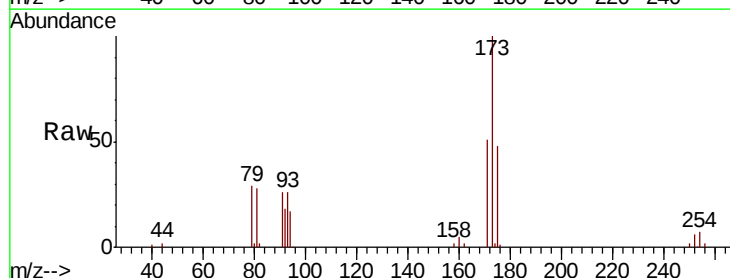
Tgt Ion: 173 Resp: 50011

Ion Ratio Lower Upper

173 100

175 49.3 39.3 58.9

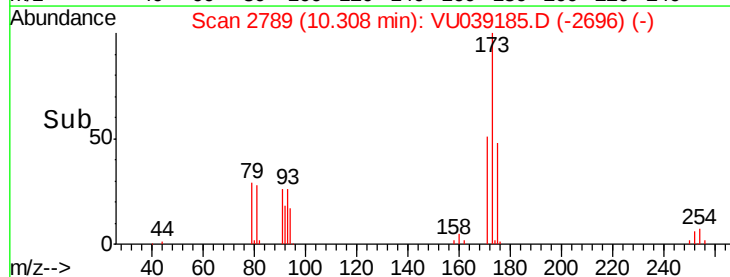
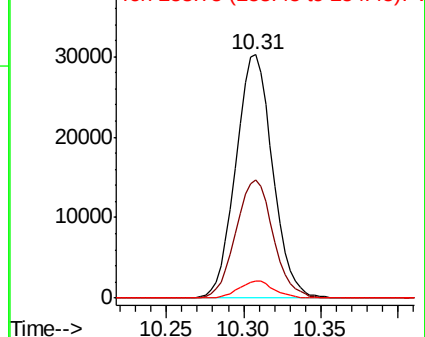
254 6.7 5.5 8.3

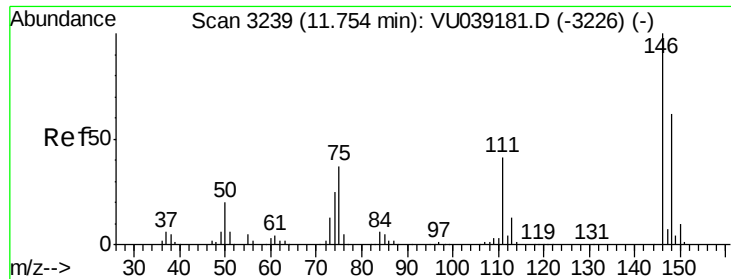


Abundance Ion 172.90 (172.60 to 173.60): VU039181.D (-2775) (-)

Ion 174.90 (174.60 to 175.60): VU039181.D (-2775) (-)

Ion 253.75 (253.45 to 254.45): VU039181.D (-2775) (-)

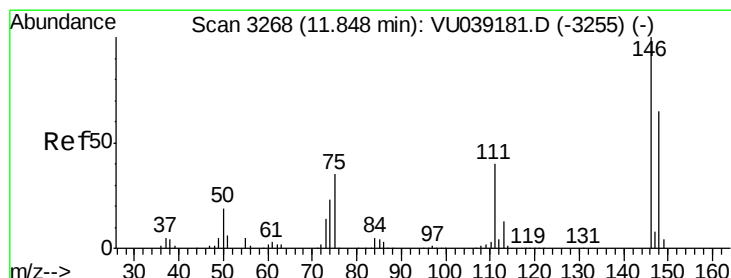
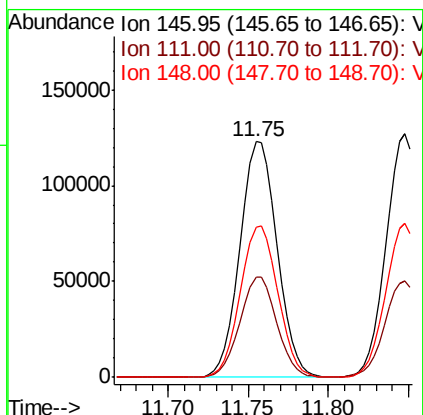
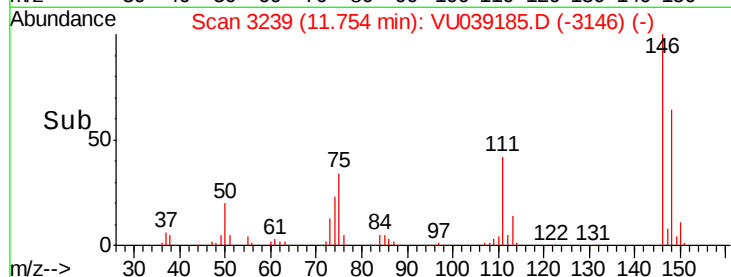
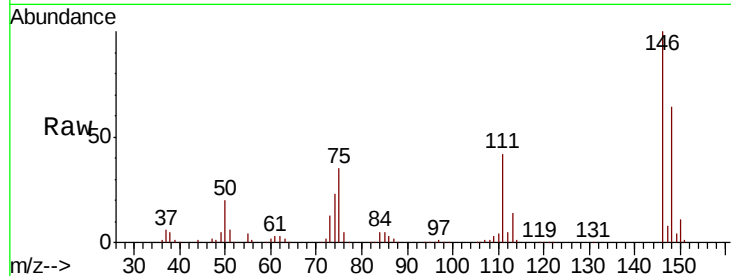




#62
 1,3-Dichlorobenzene
 Concen: 4.861 ug/L
 RT: 11.75 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU039185.D
 Acq: 29 Jun 2020 12:10

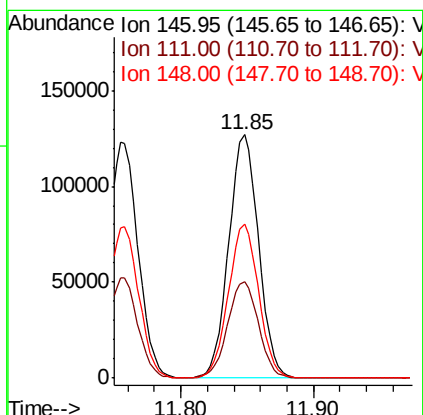
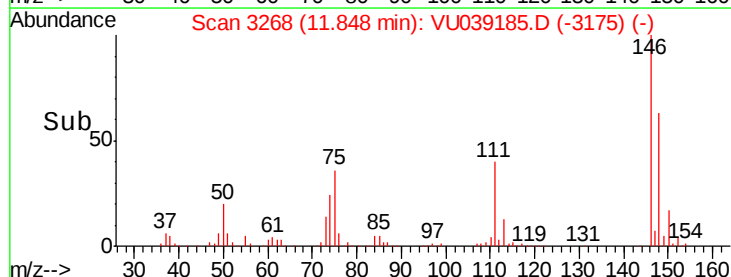
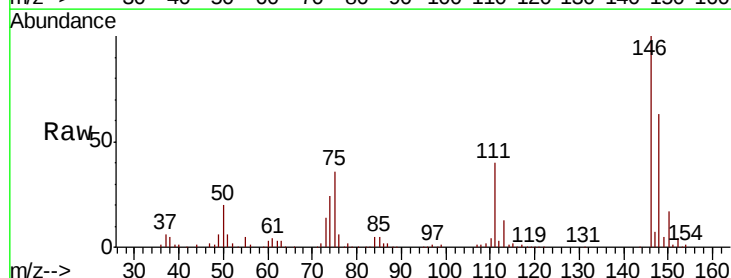
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

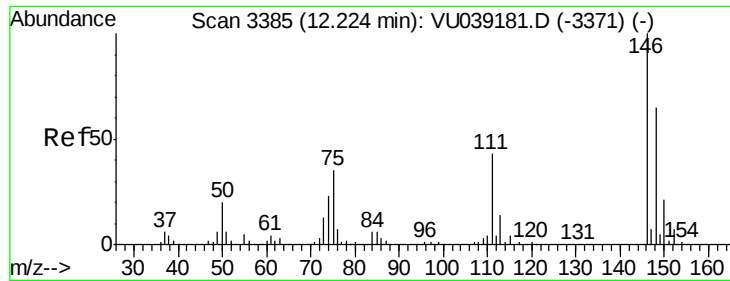
Tot Ion:146 Resp: 194786
 Ion Ratio Lower Upper
 146 100
 111 42.4 29.0 53.8
 148 63.6 43.2 80.2



#63
 1,4-Dichlorobenzene
 Concen: 4.946 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU039185.D
 Acq: 29 Jun 2020 12:10

Tgt Ion:146 Resp: 198514
 Ion Ratio Lower Upper
 146 100
 111 39.6 28.3 52.5
 148 63.4 45.8 85.2





#65

1,2-Dichlorobenzene

Concen: 4.845 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU039185.D

Acq: 29 Jun 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

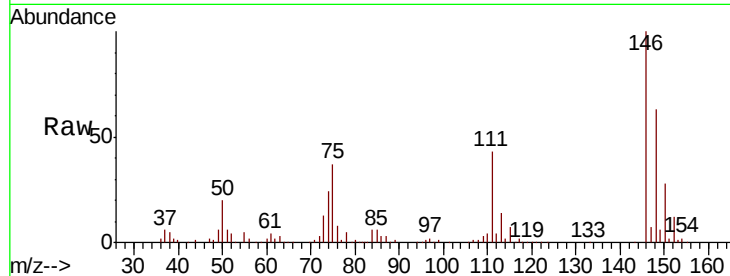
Tot Ion:146 Resp: 185266

Ion Ratio Lower Upper

146 100

111 43.5 34.7 52.1

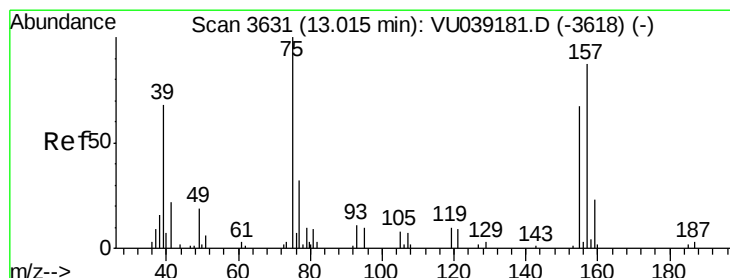
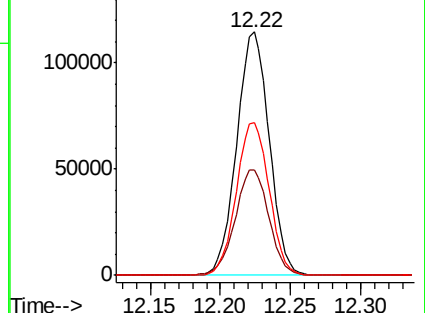
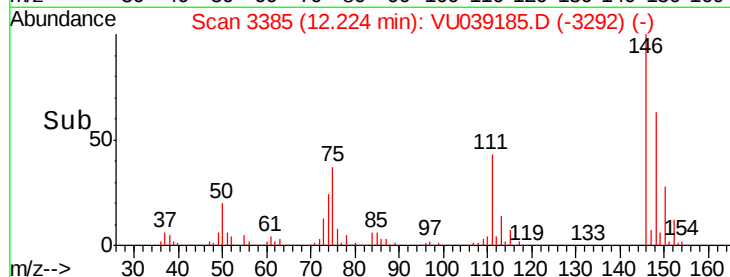
148 62.9 51.8 77.6



Abundance Ion 145.95 (145.65 to 146.65): 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: 4.783 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VU039185.D

Acq: 29 Jun 2020 12:10

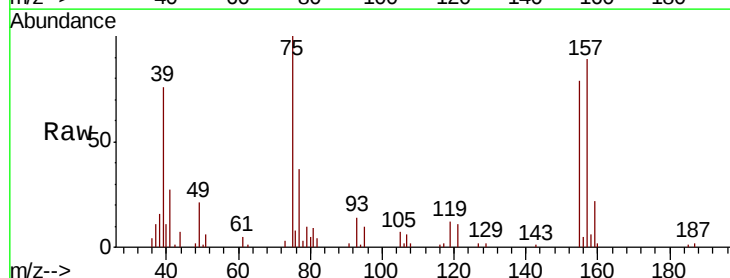
Tgt Ion: 75 Resp: 18579

Ion Ratio Lower Upper

75 100

155 78.8 53.8 80.8

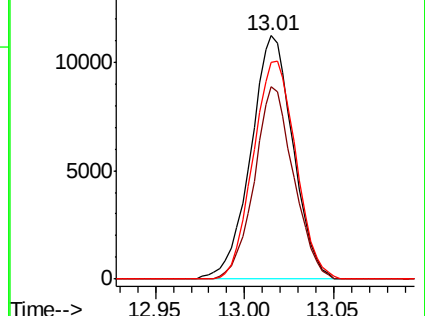
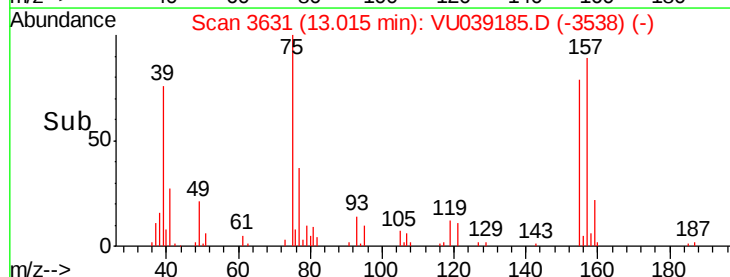
157 89.2 69.4 104.2

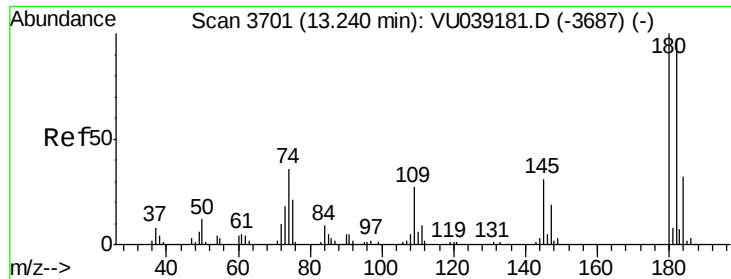


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

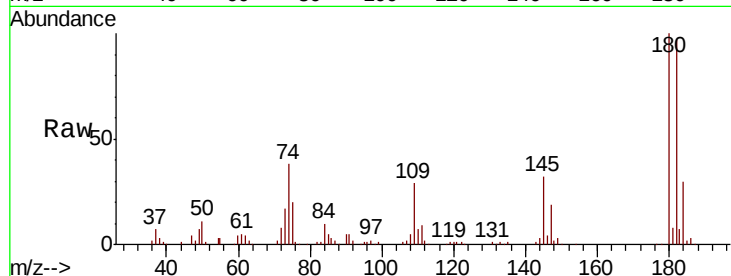




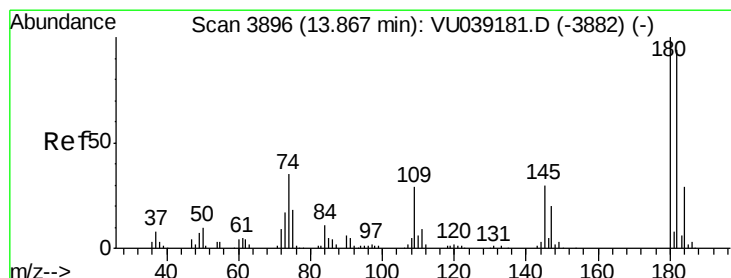
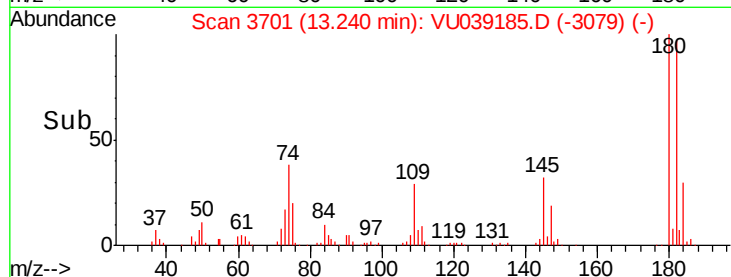
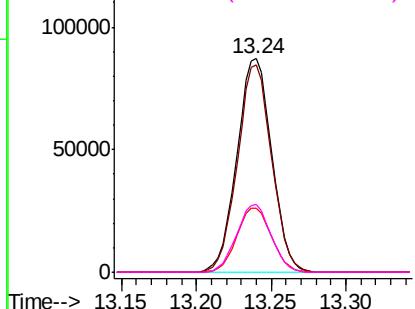
#67
 1,3,5-Trichlorobenzene
 Concen: 4.880 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU039185.D
 Acq: 29 Jun 2020 12:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tot Ion:180 Resp: 141120
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.5 116.3
 184 30.2 25.1 37.7
 145 31.3 24.4 36.6

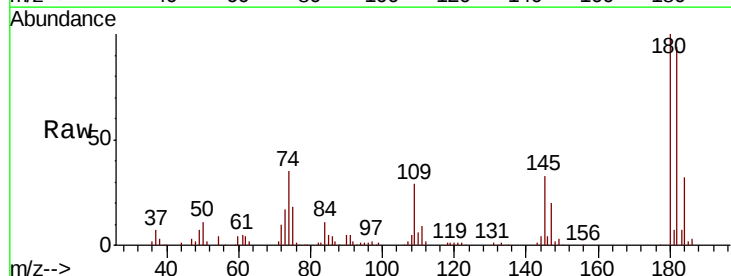


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

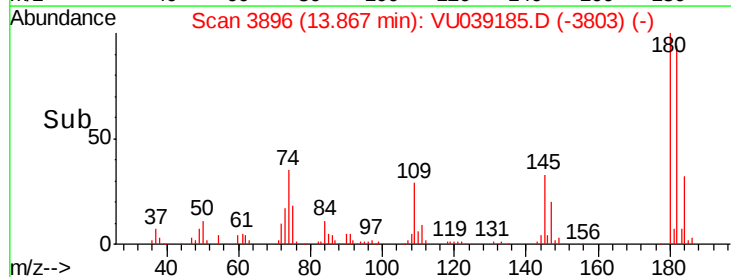
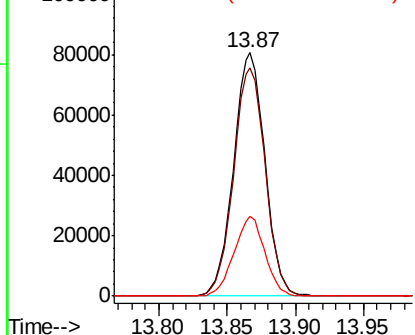


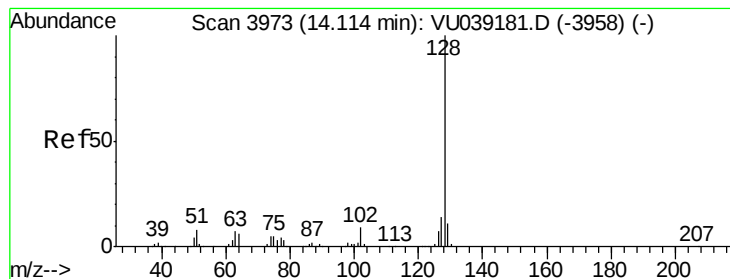
#68
 1,2,4-trichlorobenzene
 Concen: 5.085 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU039185.D
 Acq: 29 Jun 2020 12:10

Tgt Ion:180 Resp: 128402
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.4 113.0
 145 32.2 25.3 37.9



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.315 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU039185.D

Acq: 29 Jun 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

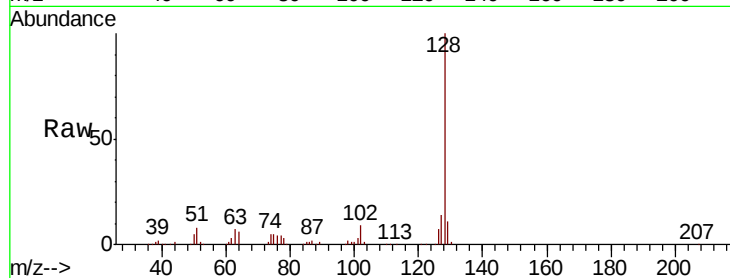
Tot Ion:128 Resp: 252030

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

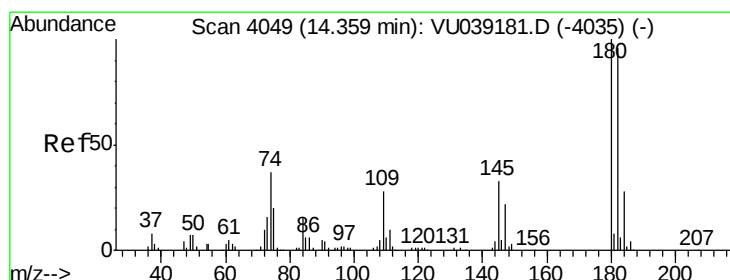
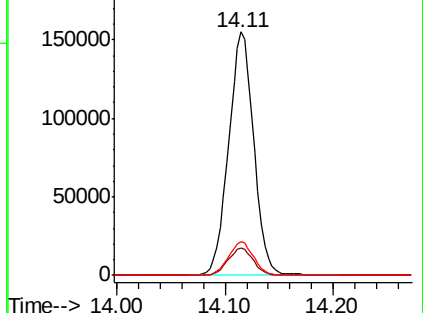
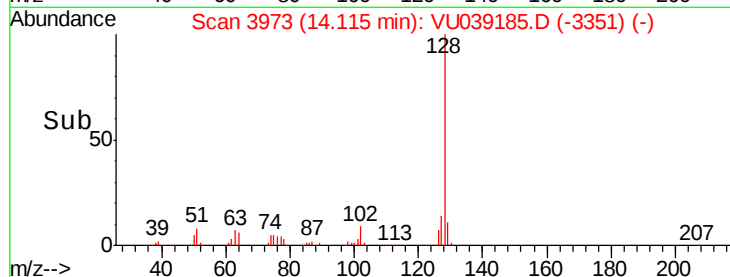
127 13.7 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.135 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU039185.D

Acq: 29 Jun 2020 12:10

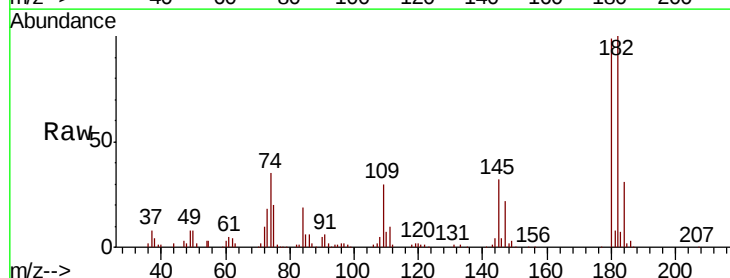
Tgt Ion:180 Resp: 120063

Ion Ratio Lower Upper

180 100

182 97.7 76.8 115.2

145 33.4 26.4 39.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

