

Data File : VU039179.D
Acq On : 29 Jun 2020 09:35
Operator : SY/MD
Sample : VSTD0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Quant Time: Jun 29 10:41:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062920WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 29 10:40:23 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	253648	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	247953	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	116303	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	11983	0.65	ug/L	0.00
7) Chloroethane-d5	1.93	69	9763	0.64	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	22518	0.63	ug/L	0.00
20) 2-Butanone-d5	4.68	46	33319	4.97	ug/L	0.00
24) Chloroform-d	5.10	84	20821	0.57	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	13525	0.60	ug/L	0.00
32) Benzene-d6	5.76	84	38084	0.55	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	12399	0.54	ug/L	0.00
41) Toluene-d8	7.92	98	31844	0.55	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	5271	0.52	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	19369	3.74	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	9803	0.46	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	11746	0.54	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	13558	0.597 ug/L	93
3) Chloromethane	1.53	50	14792	0.605 ug/L	94
5) Vinyl chloride	1.62	62	14093	0.572 ug/L	98
6) Bromomethane	1.87	94	7235	0.545 ug/L	98
8) Chloroethane	1.95	64	8766	0.590 ug/L	91
9) Trichlorofluoromethane	2.16	101	18183	0.576 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	10372	0.565 ug/L	98
12) 1,1-Dichloroethene	2.61	96	10008	0.570 ug/L	95
14) Carbon disulfide	2.82	76	34930	0.596 ug/L	98
15) Methyl Acetate	2.99	43	5952	0.551 ug/L	94
16) Methylene chloride	3.08	84	14267	0.658 ug/L	92
17) Methyl tert-butyl Ether	3.40	73	25111	0.502 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	10691	0.569 ug/L	95
19) 1,1-Dichloroethane	3.91	63	20476	0.548 ug/L	96
21) 2-Butanone	4.76	43	34714	5.016 ug/L	100
22) cis-1,2-Dichloroethene	4.70	96	9464	0.467 ug/L	79
23) Bromochloromethane	5.02	128	5295	0.567 ug/L	90
25) Chloroform	5.13	83	20468	0.545 ug/L	99
27) 1,2-Dichloroethane	5.83	62	14973	0.560 ug/L	96
29) 1,1,1-Trichloroethane	5.35	97	17471	0.565 ug/L	98
30) Cyclohexane	5.42	56	14822	0.515 ug/L	97
31) Carbon tetrachloride	5.56	117	15025	0.583 ug/L	100
33) Benzene	5.81	78	42436	0.545 ug/L	100
34) Trichloroethene	6.57	95	10960	0.582 ug/L	96
35) Methylcyclohexane	6.79	83	13611	0.487 ug/L	94
37) 1,2-Dichloropropane	6.82	63	11235	0.532 ug/L	96
38) Bromodichloromethane	7.13	83	14509	0.551 ug/L	96
39) cis-1,3-Dichloropropene	7.63	75	15061	0.515 ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	73176	4.645 ug/L	99
42) Toluene	7.99	91	37671	0.487 ug/L	99

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	8.23	75	14733	0.538	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	8290	0.528	ug/L	90
47) Tetrachloroethene	8.58	164	7591	0.559	ug/L	91
48) 2-Hexanone	8.71	43	56930	4.930	ug/L	98
49) Dibromochloromethane	8.83	129	9335	0.547	ug/L	89
50) 1,2-Dibromoethane	8.95	107	8064	0.544	ug/L #	89
51) Chlorobenzene	9.47	112	26790	0.550	ug/L	94
52) Ethylbenzene	9.59	91	40497	0.498	ug/L	96
53) m,p-Xylene	9.71	106	13971	0.467	ug/L	100
54) o-Xylene	10.12	106	13777	0.480	ug/L	98
55) Styrene	10.13	104	22891	0.454	ug/L	99
56) Isopropylbenzene	10.50	105	33311	0.443	ug/L	95
58) 1,1,2,2-Tetrachloroethane	10.80	83	9837	0.469	ug/L	93
59) 1,2,3-Trichloropropane	10.84	75	7903	0.497	ug/L	96
61) Bromoform	10.31	173	4608	0.485	ug/L	96
62) 1,3-Dichlorobenzene	11.76	146	20448	0.591	ug/L	96
63) 1,4-Dichlorobenzene	11.85	146	20055	0.563	ug/L	92
65) 1,2-Dichlorobenzene	12.22	146	17563	0.507	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	1790	0.468	ug/L	90
67) 1,3,5-Trichlorobenzene	13.25	180	13930	0.544	ug/L	97
68) 1,2,4-trichlorobenzene	13.88	180	10965	0.470	ug/L	96
69) Naphthalene	14.12	128	18595	0.374	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	9842	0.437	ug/L	96

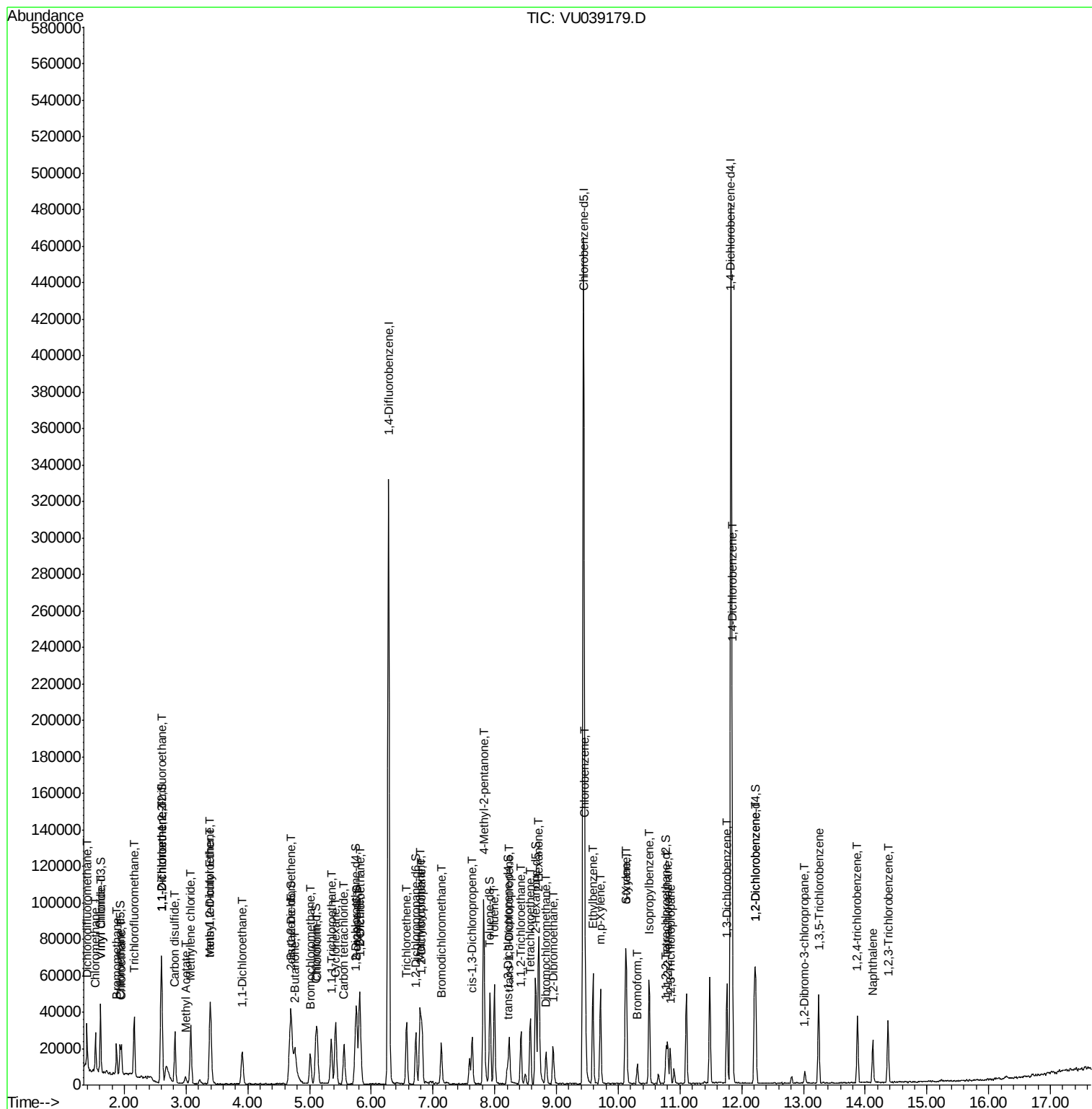
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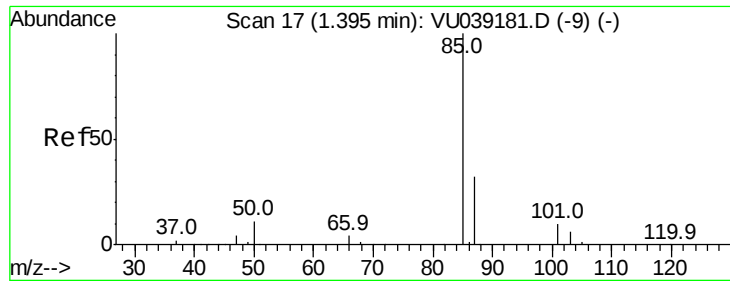
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#2

Dichlorodifluoromethane

Concen: 0.597 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU039179.D

Acq: 29 Jun 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

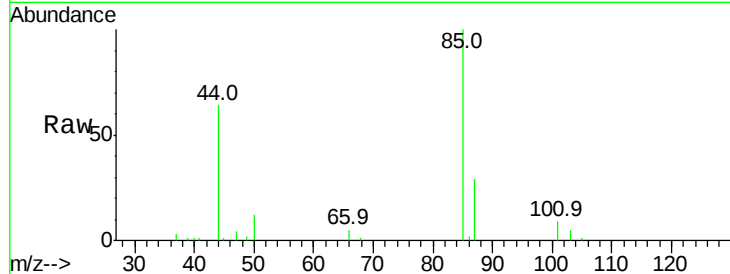
VSTD0.502

Tgt Ion: 85 Resp: 13558

Ion Ratio Lower Upper

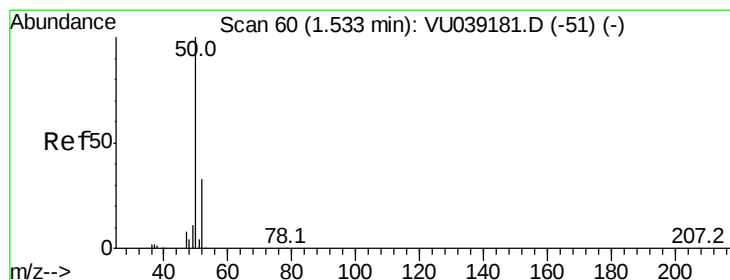
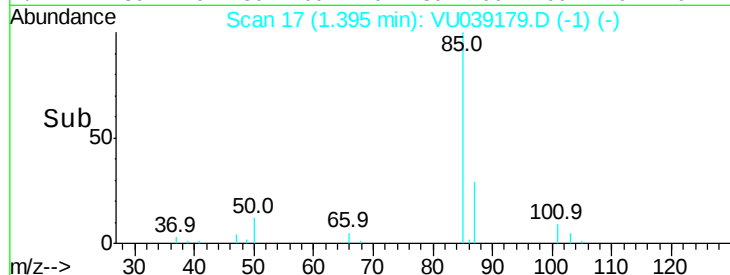
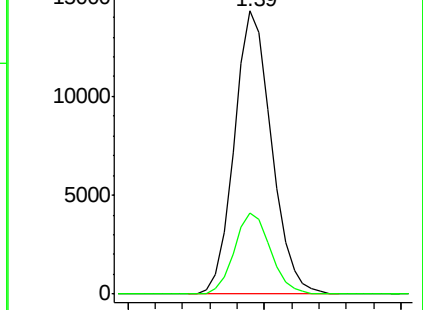
85 100

87 27.7 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU039179.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU039179.D (-1) (-)



#3

Chloromethane

Concen: 0.605 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU039179.D

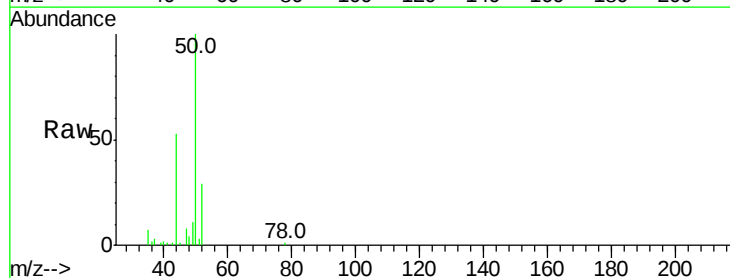
Acq: 29 Jun 2020 09:35

Tgt Ion: 50 Resp: 14792

Ion Ratio Lower Upper

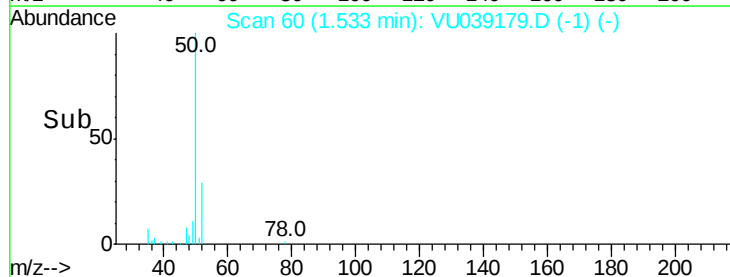
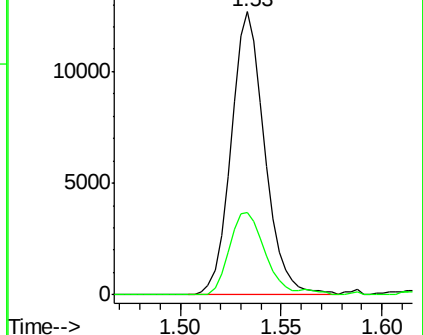
50 100

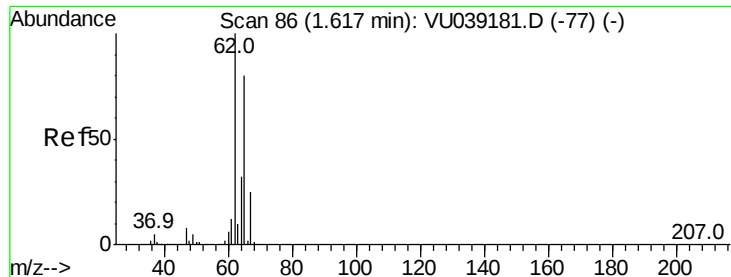
52 29.3 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU039179.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU039179.D (-1) (-)





#5

Vinyl chloride

Concen: 0.572 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU039179.D

Acq: 29 Jun 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

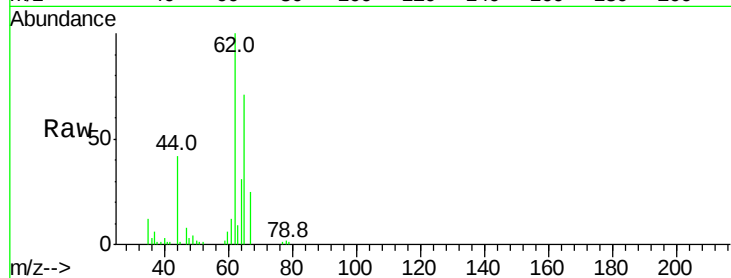
VSTD0.502

Tgt Ion: 62 Resp: 14093

Ion Ratio Lower Upper

62 100

64 30.6 22.3 41.3



Abundance Ion 62.00 (61.70 to 62.70): VU039181.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU039181.D (-77) (-)

1.62

15000

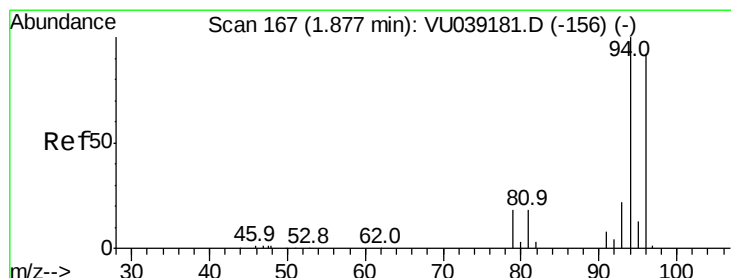
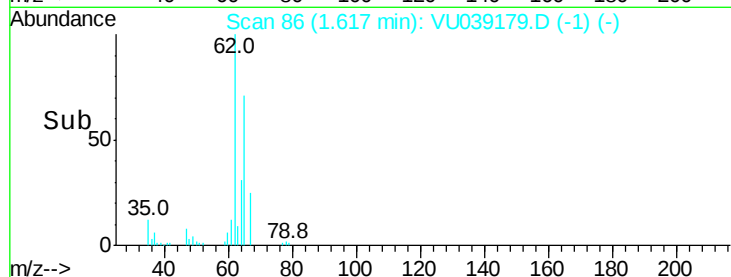
10000

5000

0

1.60 1.65

Time-->



#6

Bromomethane

Concen: 0.545 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU039179.D

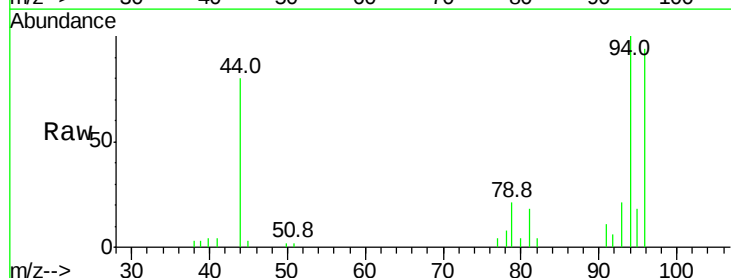
Acq: 29 Jun 2020 09:35

Tgt Ion: 94 Resp: 7235

Ion Ratio Lower Upper

94 100

96 94.1 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VU039181.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU039181.D (-156) (-)

1.87

6000

5000

4000

3000

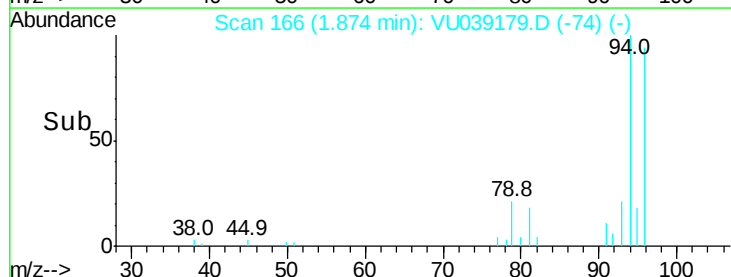
2000

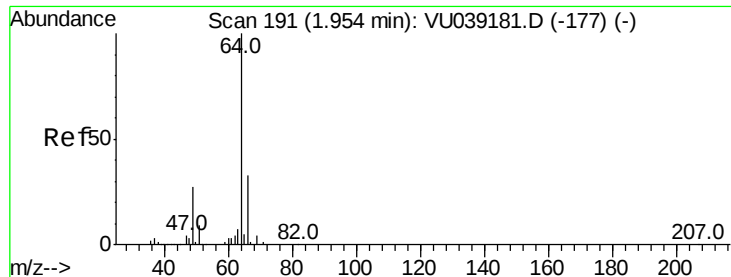
1000

0

1.85 1.90

Time-->





#8

Chloroethane

Concen: 0.590 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU039179.D

Acq: 29 Jun 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

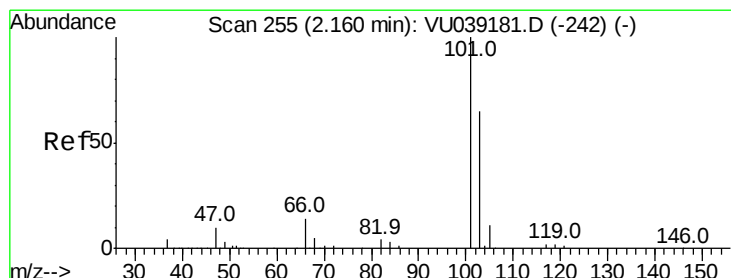
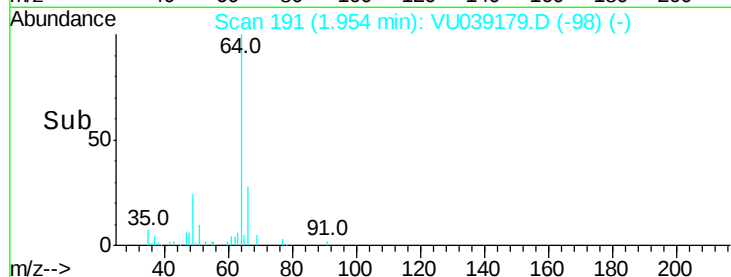
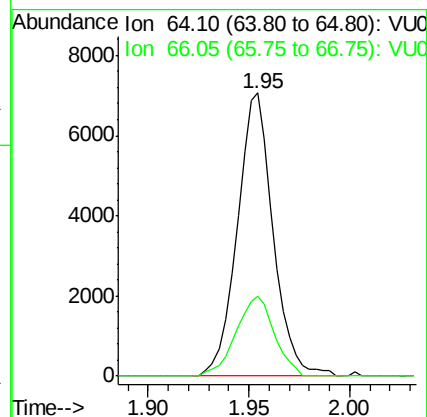
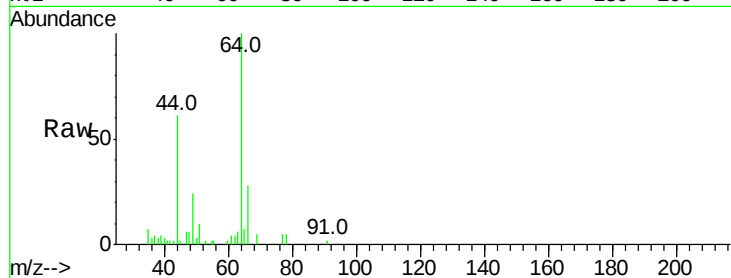
VSTD0.502

Tgt Ion: 64 Resp: 8766

Ion Ratio Lower Upper

64 100

66 28.4 23.4 43.6



#9

Trichlorofluoromethane

Concen: 0.576 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU039179.D

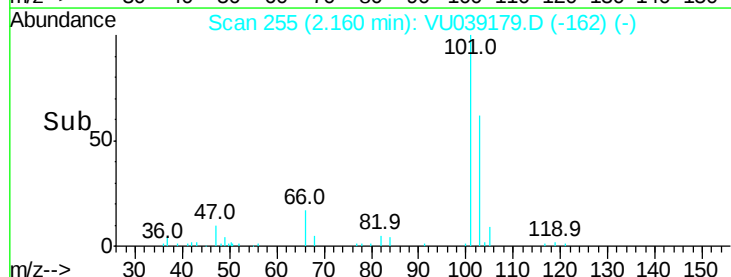
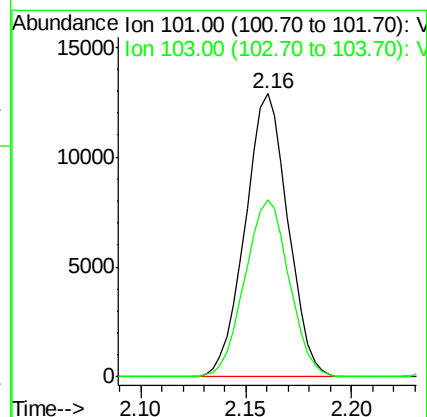
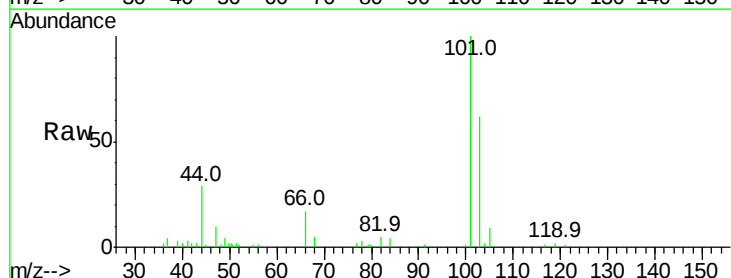
Acq: 29 Jun 2020 09:35

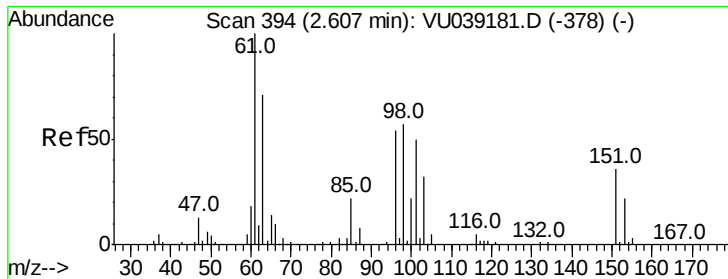
Tgt Ion: 101 Resp: 18183

Ion Ratio Lower Upper

101 100

103 64.6 51.7 77.5





#10

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

Concen: 0.565 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU039179.D

Acq: 29 Jun 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

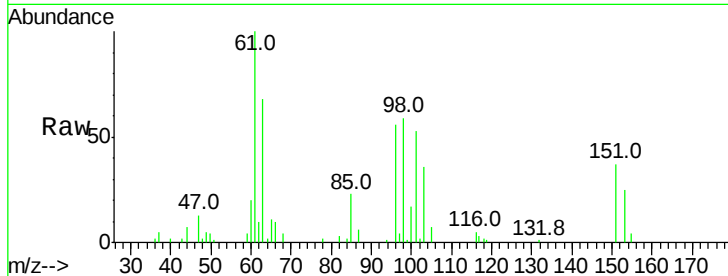
Tgt Ion:101 Resp: 10372

Ion Ratio Lower Upper

101 100

85 42.8 36.0 54.0

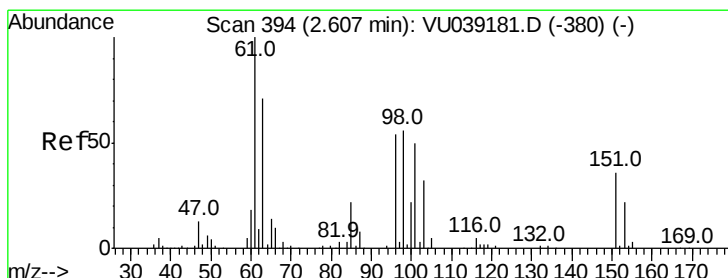
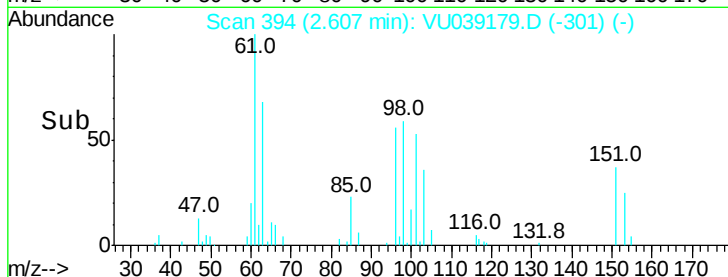
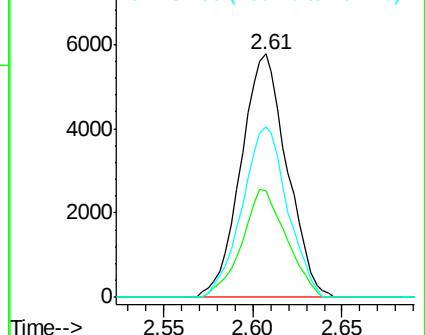
151 68.8 54.7 82.1



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: 0.570 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU039179.D

Acq: 29 Jun 2020 09:35

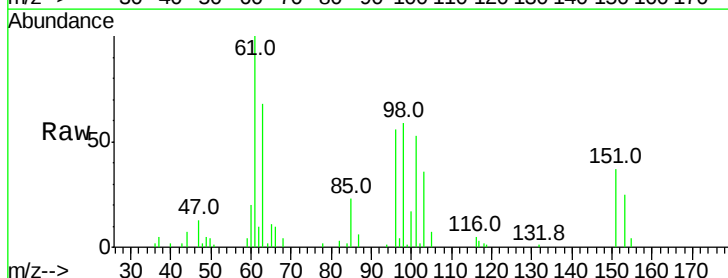
Tgt Ion: 96 Resp: 10008

Ion Ratio Lower Upper

96 100

61 179.7 128.7 239.1

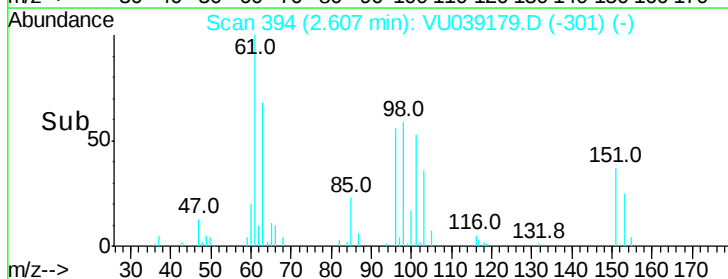
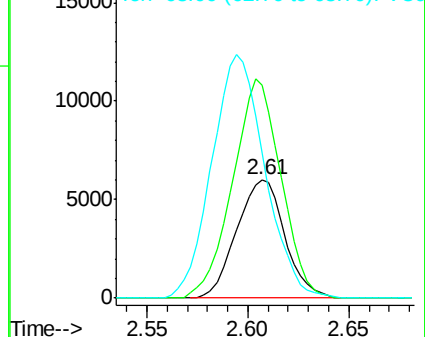
63 121.9 92.3 171.3

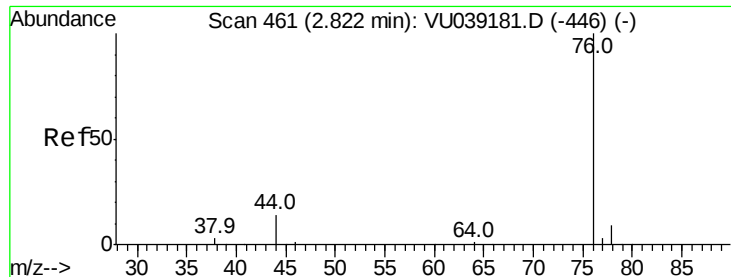


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#14

Carbon disulfide

Concen: 0.596 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

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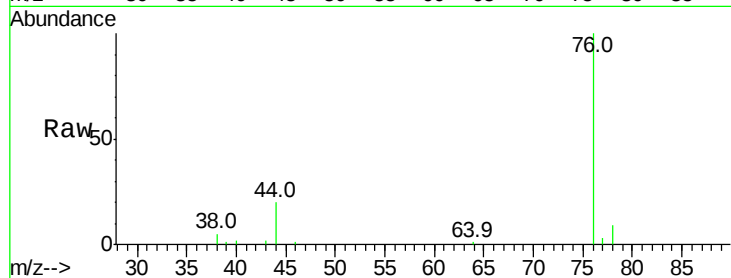
VSTD0.502

Tgt Ion: 76 Resp: 34930

Ion Ratio Lower Upper

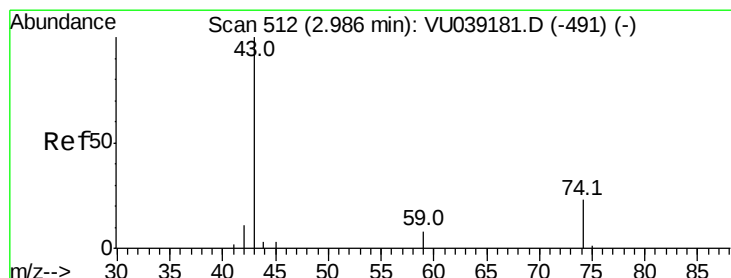
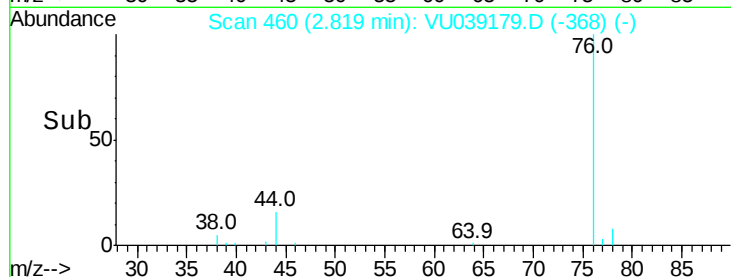
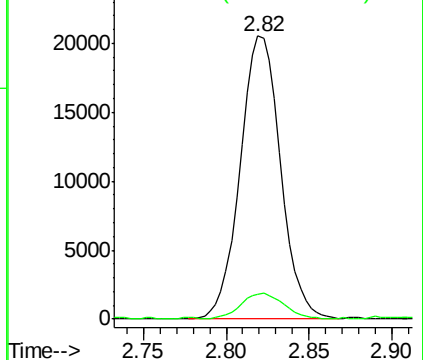
76 100

78 8.9 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) (-)



#15

Methyl Acetate

Concen: 0.551 ug/L

RT: 2.99 min Scan# 512

Delta R.T. 0.00 min

Lab File: VU039179.D

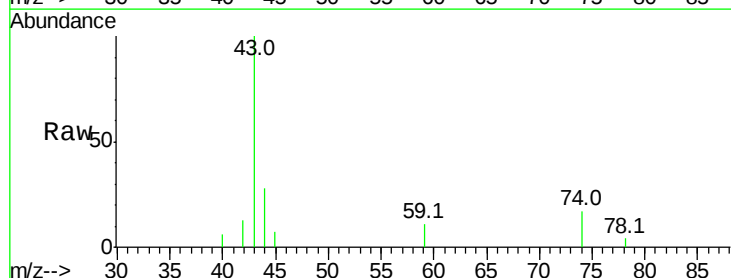
Acq: 29 Jun 2020 09:35

Tgt Ion: 43 Resp: 5952

Ion Ratio Lower Upper

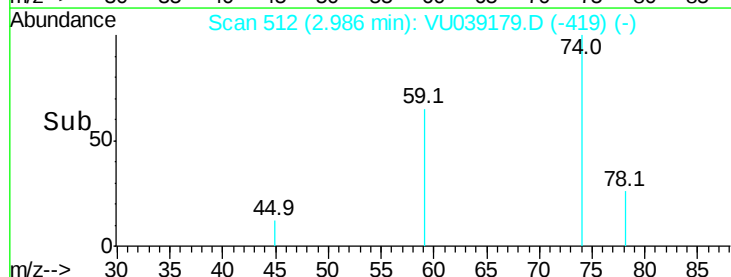
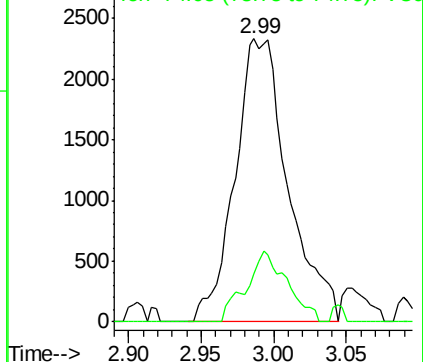
43 100

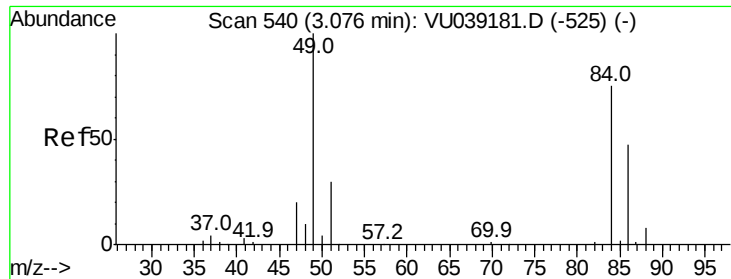
74 19.3 17.8 26.6



Abundance Ion 43.05 (42.75 to 43.75): VU039181.D (-491) (-)

Ion 74.05 (73.75 to 74.75): VU039181.D (-491) (-)

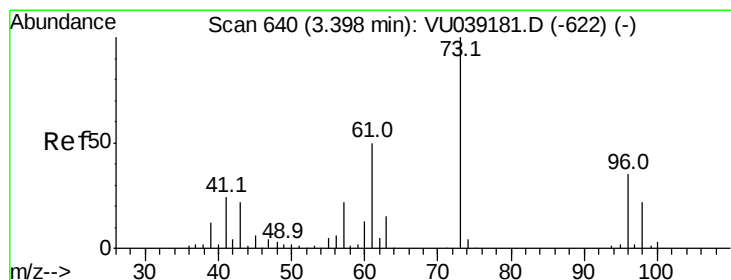
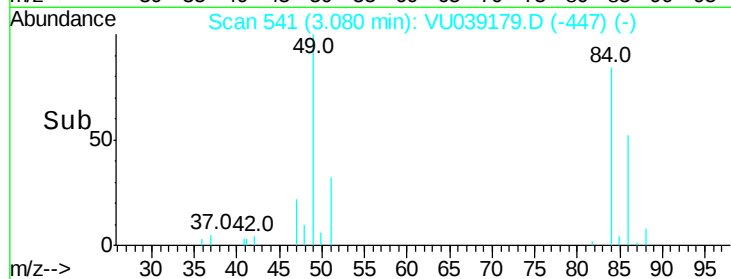
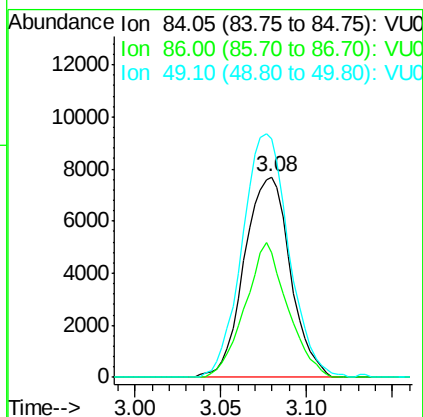
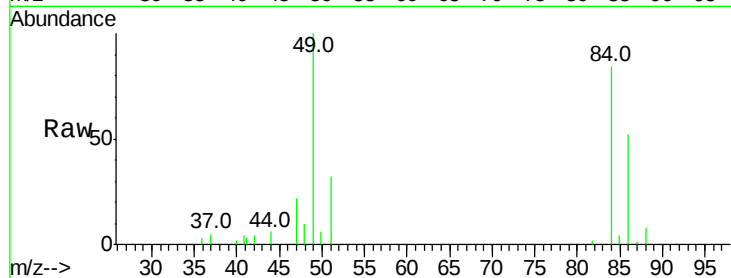




#16
Methylene chloride
Concen: 0.658 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU039179.D
Acq: 29 Jun 2020 09:35

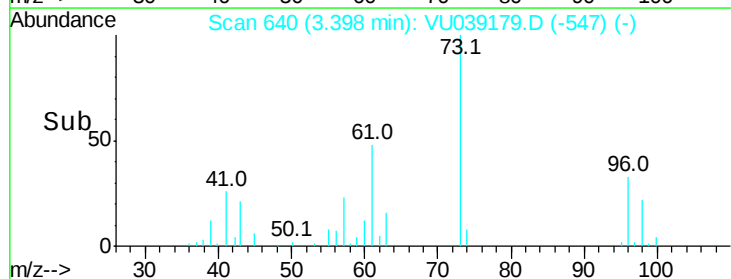
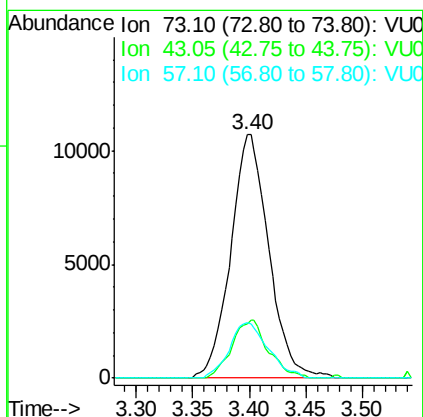
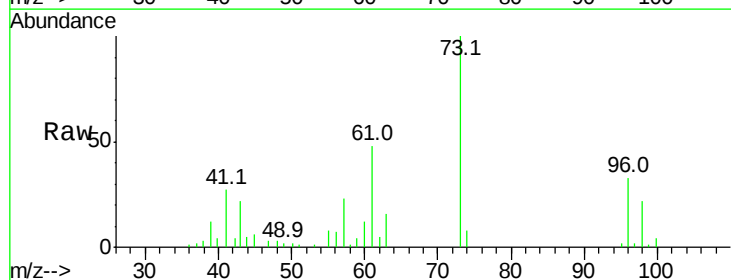
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

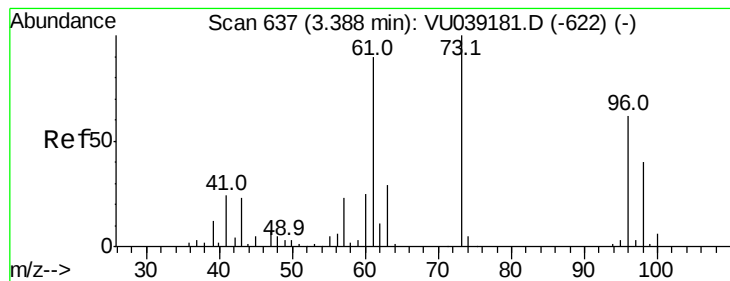
Tgt Ion: 84 Resp: 14267
Ion Ratio Lower Upper
84 100
86 62.4 44.2 82.2
49 119.0 93.2 173.0



#17
Methyl tert-butyl Ether
Concen: 0.502 ug/L
RT: 3.40 min Scan# 640
Delta R.T. 0.00 min
Lab File: VU039179.D
Acq: 29 Jun 2020 09:35

Tgt Ion: 73 Resp: 25111
Ion Ratio Lower Upper
73 100
43 22.7 17.4 26.0
57 23.3 17.9 26.9





#18

trans-1,2-Dichloroethene

Concen: 0.569 ug/L

RT: 3.39 min Scan# 636

Delta R.T. -0.00 min

Lab File: VU039179.D

Acq: 29 Jun 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

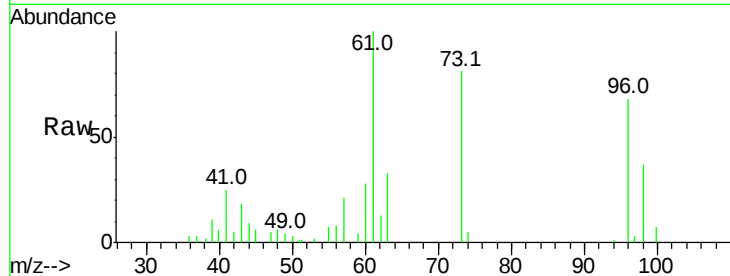
Tgt Ion: 96 Resp: 10691

Ion Ratio Lower Upper

96 100

61 146.3 100.5 186.7

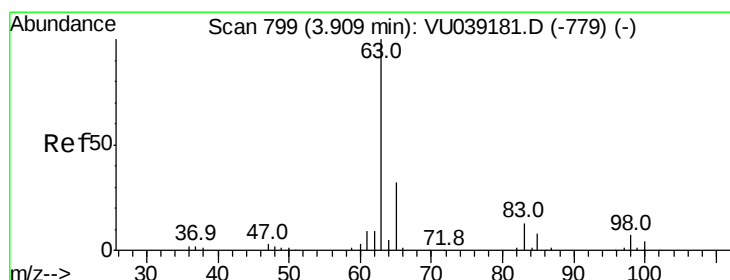
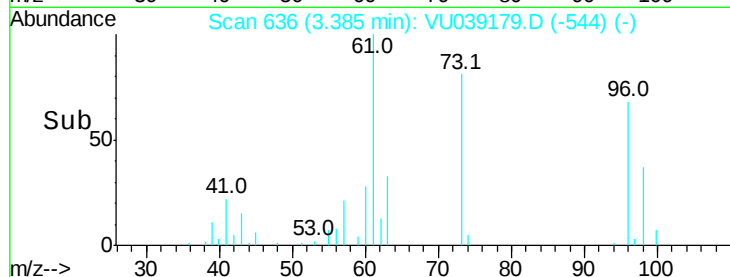
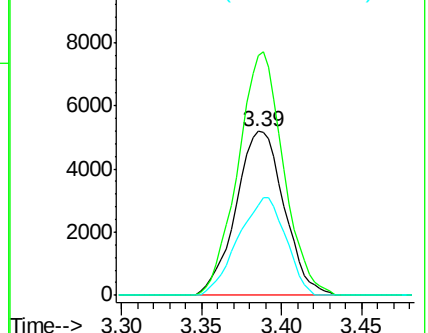
98 54.8 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VU039181.D (-622) (-)

Ion 61.05 (60.75 to 61.75): VU039181.D (-622) (-)

Ion 97.95 (97.65 to 98.65): VU039181.D (-622) (-)



#19

1,1-Dichloroethane

Concen: 0.548 ug/L

RT: 3.91 min Scan# 798

Delta R.T. -0.00 min

Lab File: VU039179.D

Acq: 29 Jun 2020 09:35

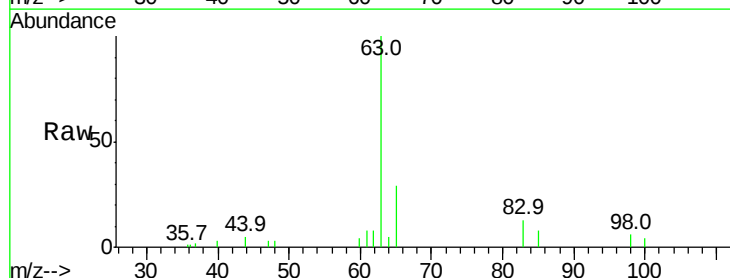
Tgt Ion: 63 Resp: 20476

Ion Ratio Lower Upper

63 100

65 29.0 22.4 41.6

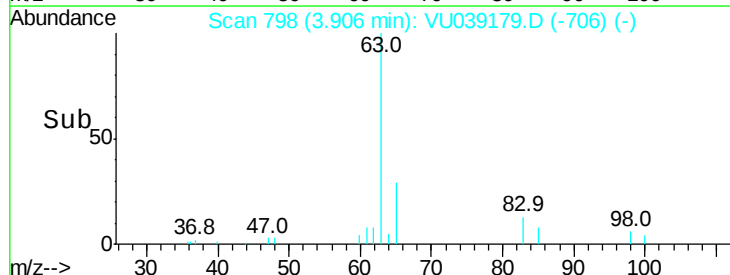
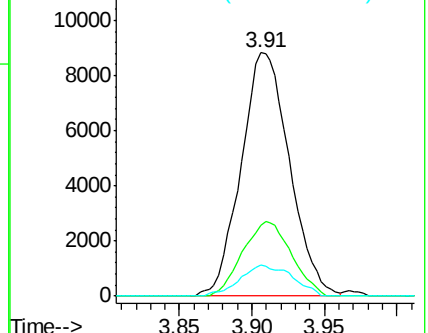
83 12.6 9.2 17.2

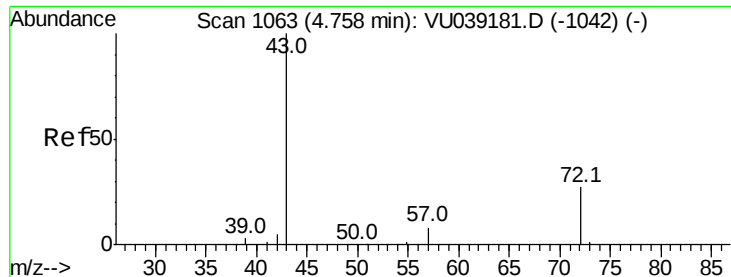


Abundance Ion 63.10 (62.80 to 63.80): VU039181.D (-779) (-)

Ion 65.10 (64.80 to 65.80): VU039181.D (-779) (-)

Ion 83.05 (82.75 to 83.75): VU039181.D (-779) (-)





#21

2-Butanone

Concen: 5.016 ug/L

RT: 4.76 min Scan# 1065

Delta R.T. 0.01 min

Lab File: VU039179.D

Acq: 29 Jun 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

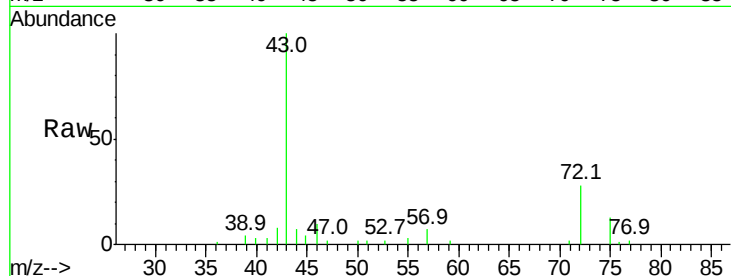
VSTD0.502

Tgt Ion: 43 Resp: 34714

Ion Ratio Lower Upper

43 100

72 26.2 13.2 39.6



Abundance Ion 43.05 (42.75 to 43.75): VU039179.D (-970) (-)

Ion 72.10 (71.80 to 72.80): VU039179.D (-970) (-)

4.76

12000

10000

8000

6000

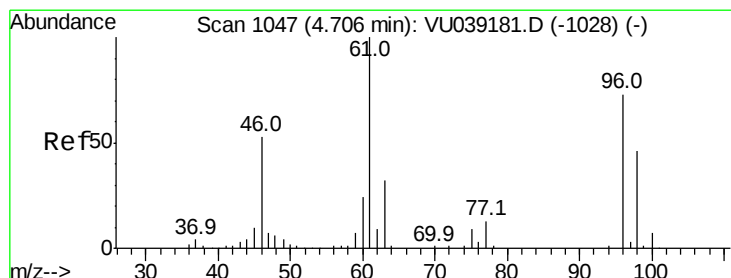
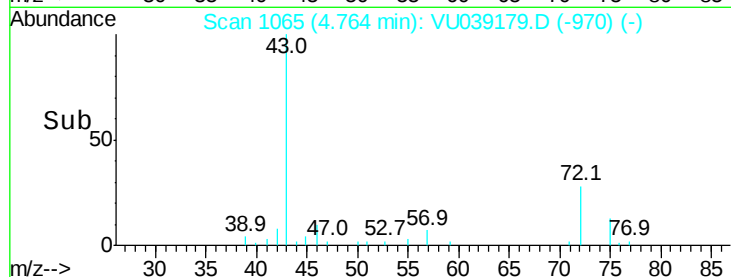
4000

2000

0

Time-->

4.70 4.80 4.90



#22

cis-1,2-Dichloroethene

Concen: 0.467 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU039179.D

Acq: 29 Jun 2020 09:35

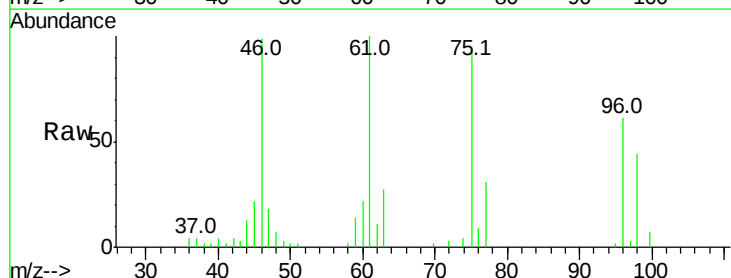
Tgt Ion: 96 Resp: 9464

Ion Ratio Lower Upper

96 100

61 163.0 96.3 178.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039179.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU039179.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU039179.D (-954) (-)

4.70

8000

6000

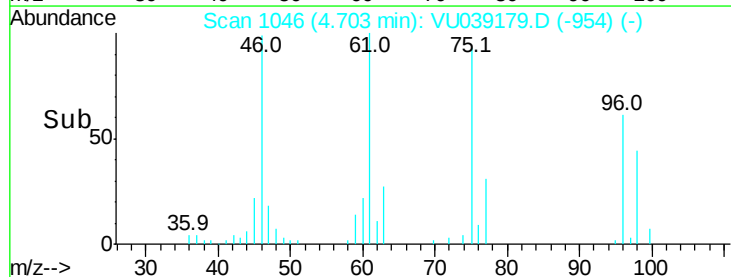
4000

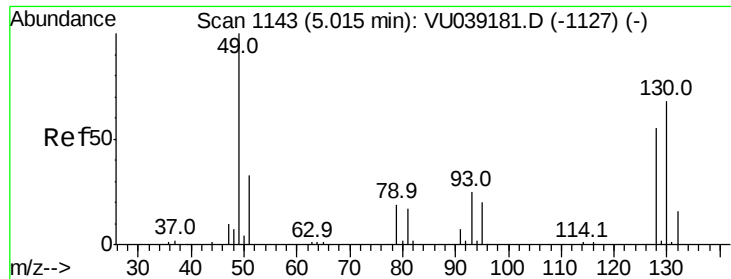
2000

0

Time-->

4.65 4.70 4.75

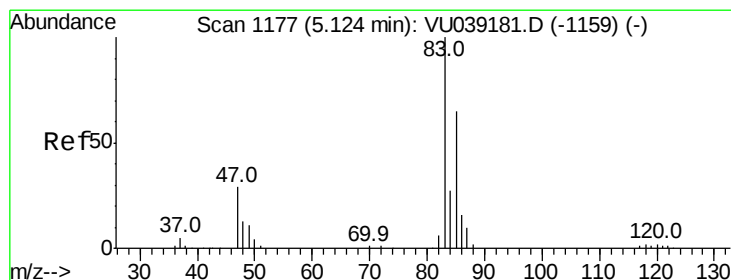
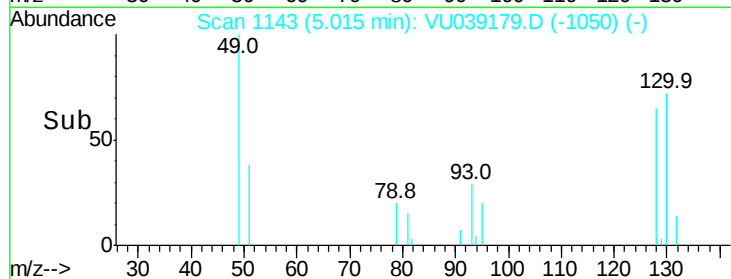
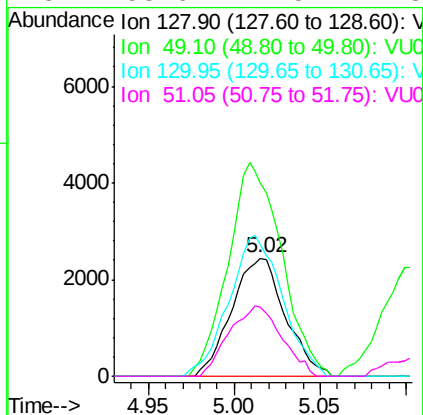
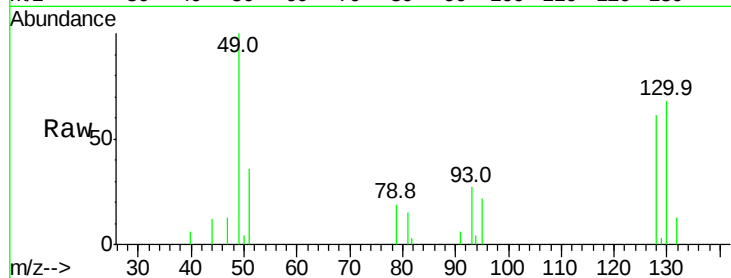




#23
 Bromochloromethane
 Concen: 0.567 ug/L
 RT: 5.02 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VU039179.D
 Acq: 29 Jun 2020 09:35

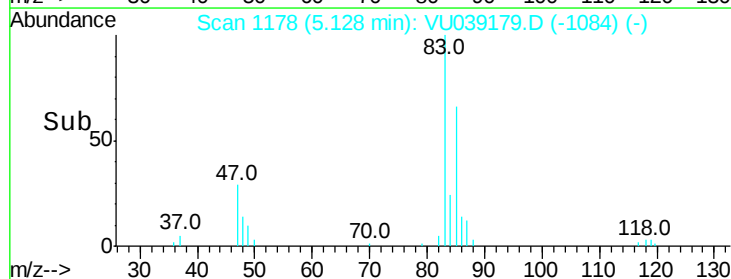
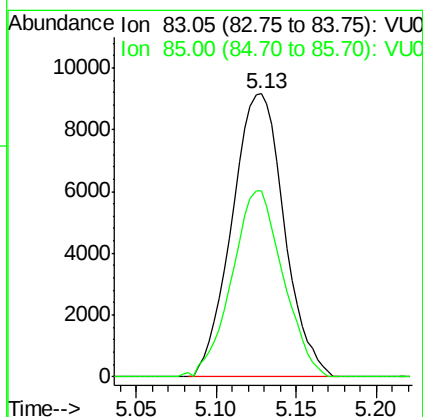
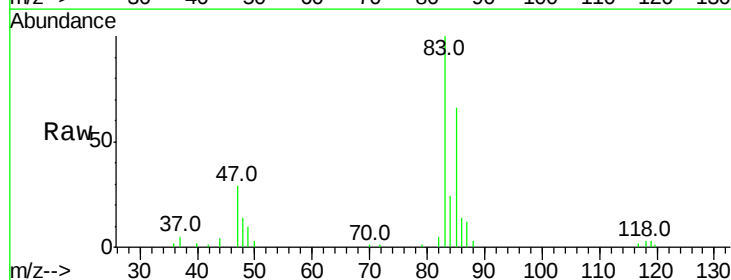
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

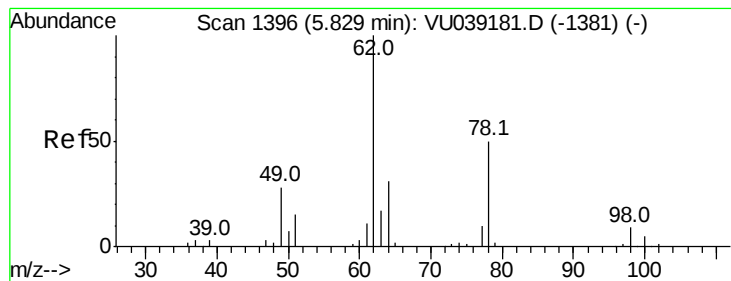
Tgt Ion:	128	Resp:	5295
Ion	Ratio	Lower	Upper
128	100		
49	163.5	126.7	235.3
130	111.8	86.2	160.2
51	58.6	47.5	71.3



#25
 Chloroform
 Concen: 0.545 ug/L
 RT: 5.13 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VU039179.D
 Acq: 29 Jun 2020 09:35

Tgt Ion:	83	Resp:	20468
Ion	Ratio	Lower	Upper
83	100		
85	65.6	45.5	84.5





#27

1,2-Dichloroethane

Concen: 0.560 ug/L

RT: 5.83 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VU039179.D

Acq: 29 Jun 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

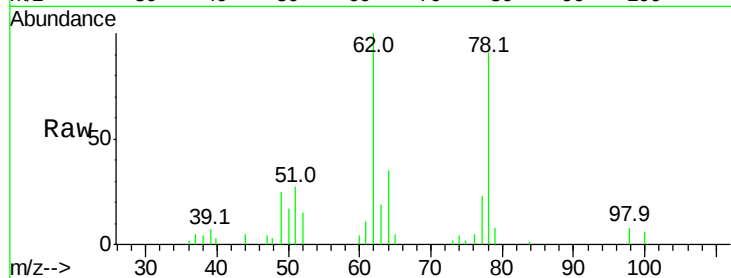
VSTD0.502

Tgt Ion: 62 Resp: 14973

Ion Ratio Lower Upper

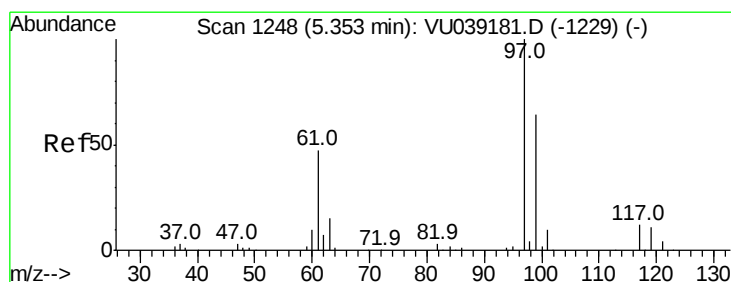
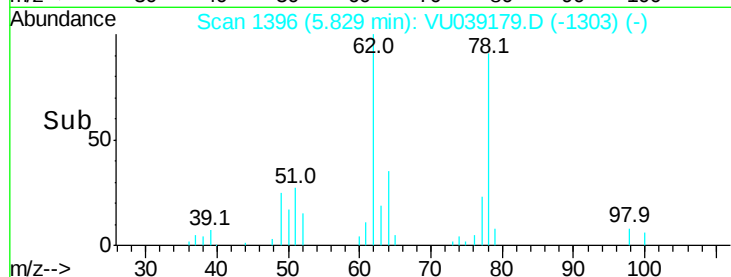
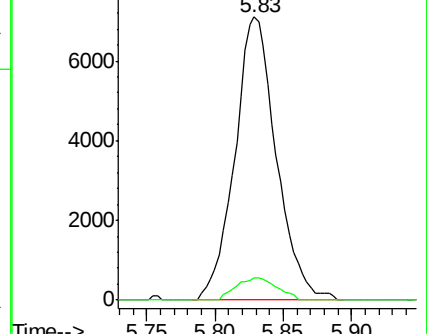
62 100

98 7.8 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0



#29

1,1,1-Trichloroethane

Concen: 0.565 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VU039179.D

Acq: 29 Jun 2020 09:35

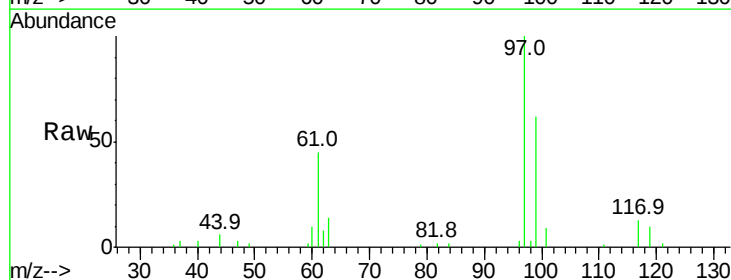
Tgt Ion: 97 Resp: 17471

Ion Ratio Lower Upper

97 100

99 65.9 51.2 76.8

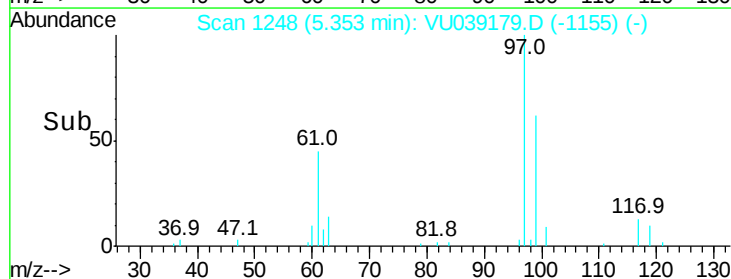
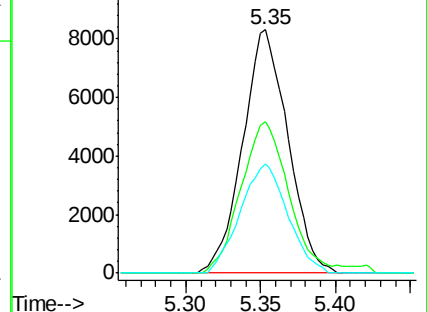
61 46.9 37.3 55.9

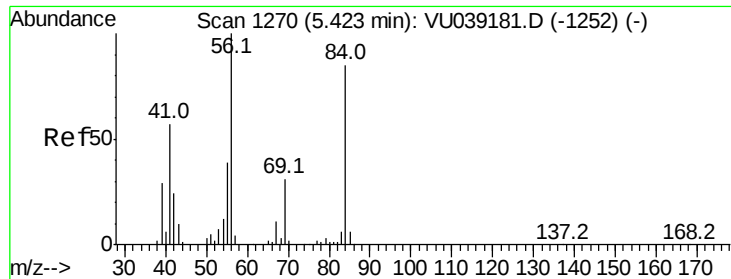


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0

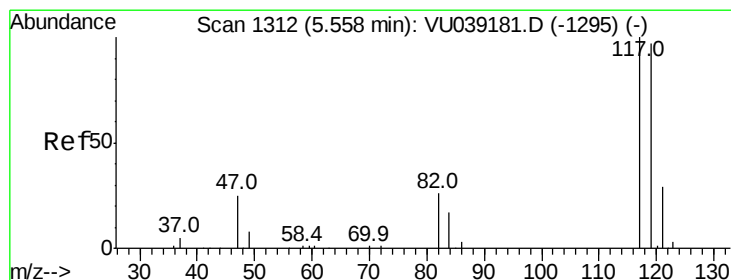
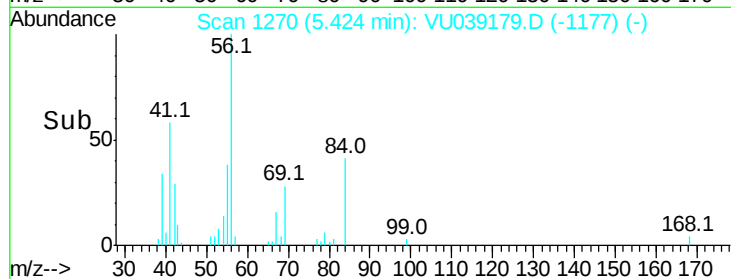
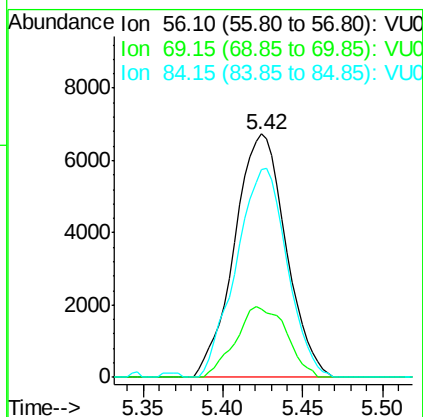
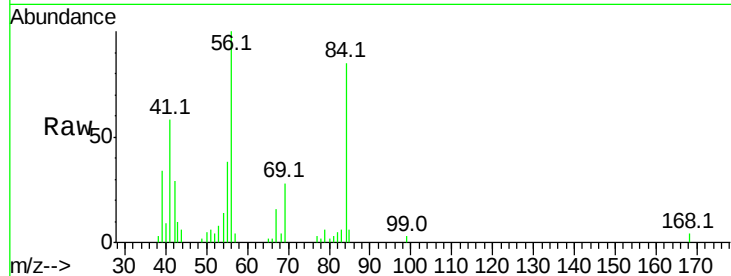




#30
Cyclohexane
Concen: 0.515 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU039179.D
Acq: 29 Jun 2020 09:35

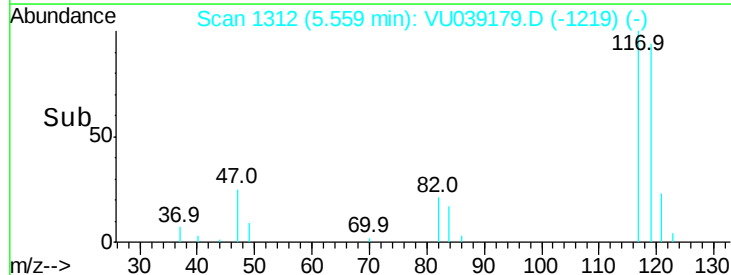
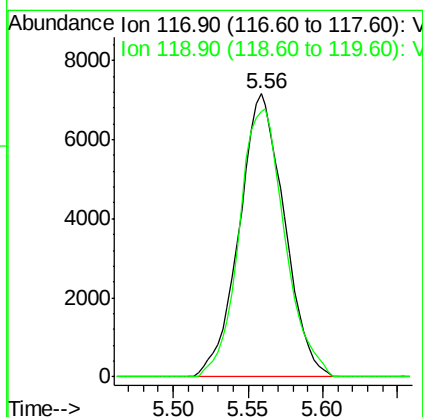
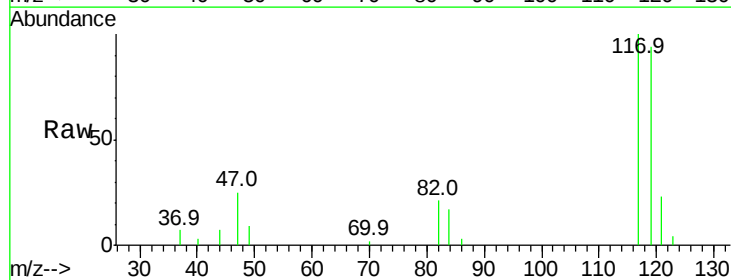
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

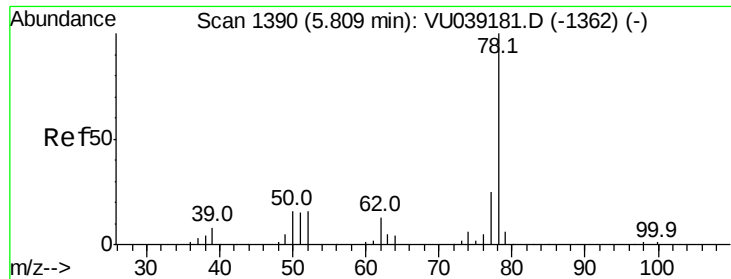
Tgt Ion: 56 Resp: 14822
Ion Ratio Lower Upper
56 100
69 28.7 25.0 37.4
84 84.7 69.4 104.2



#31
Carbon tetrachloride
Concen: 0.583 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU039179.D
Acq: 29 Jun 2020 09:35

Tgt Ion: 117 Resp: 15025
Ion Ratio Lower Upper
117 100
119 95.7 76.6 114.8





#33

Benzene

Concen: 0.545 ug/L

RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VU039179.D

Acq: 29 Jun 2020 09:35

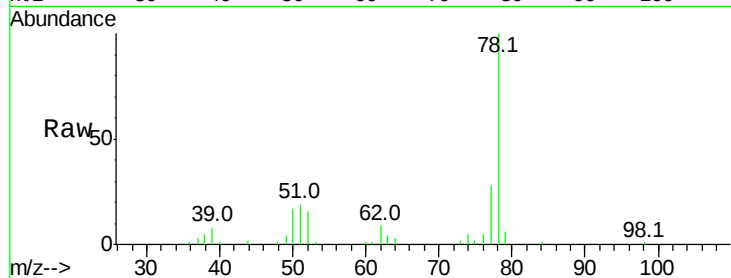
Instrument :

MSVOA_U

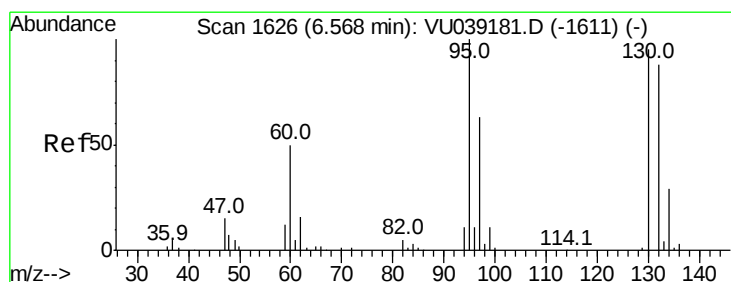
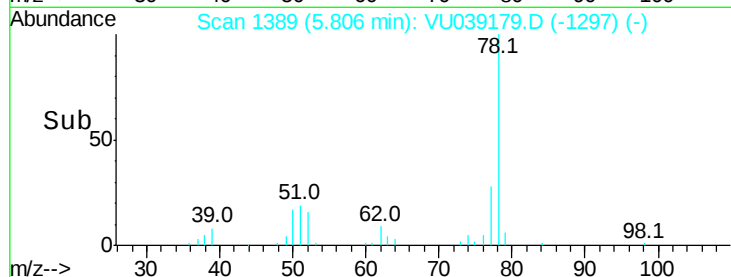
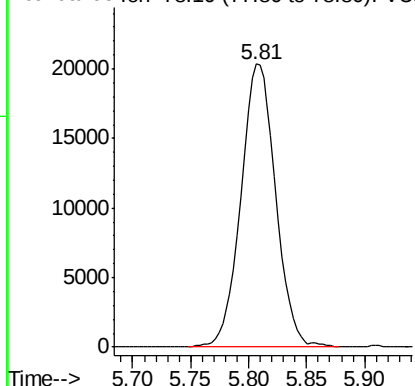
ClientSampleId :

VSTD0.502

Tgt Ion: 78 Resp: 42436



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.582 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU039179.D

Acq: 29 Jun 2020 09:35

Tgt Ion: 95 Resp: 10960

Ion	Ratio	Lower	Upper
95	100		
97	58.3	44.0	81.8
132	81.4	61.2	113.8
130	95.5	66.4	123.4

95 100

97 58.3 44.0 81.8

132 81.4 61.2 113.8

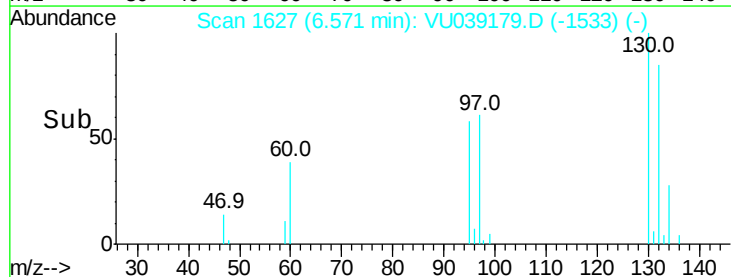
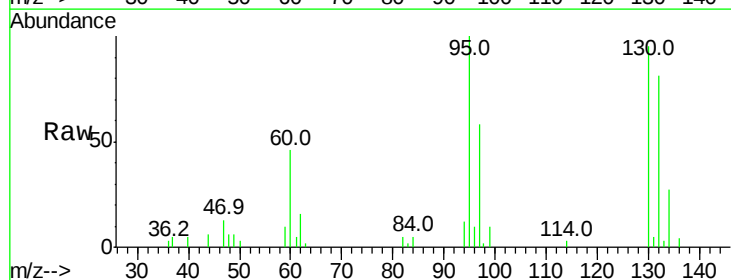
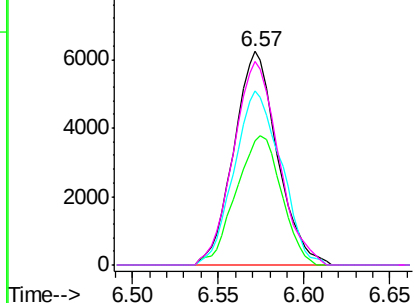
130 95.5 66.4 123.4

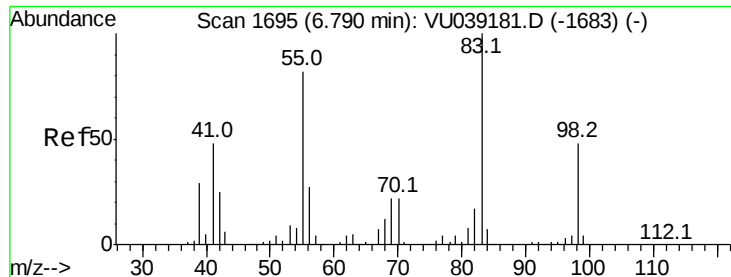
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

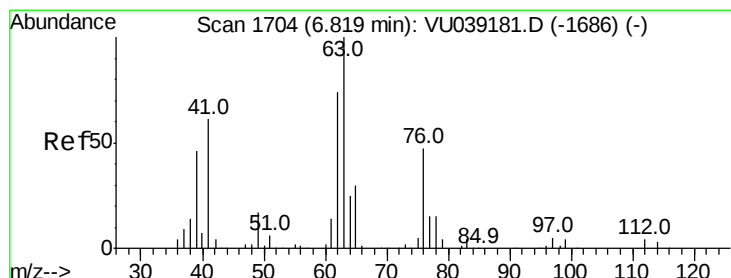
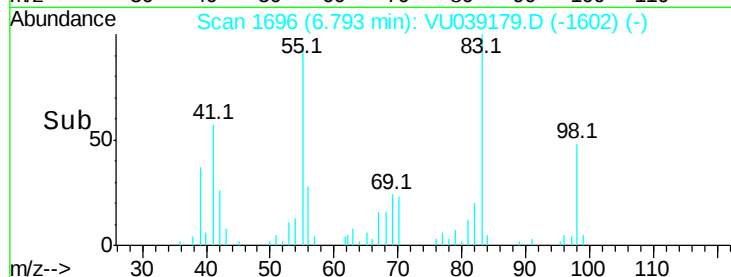
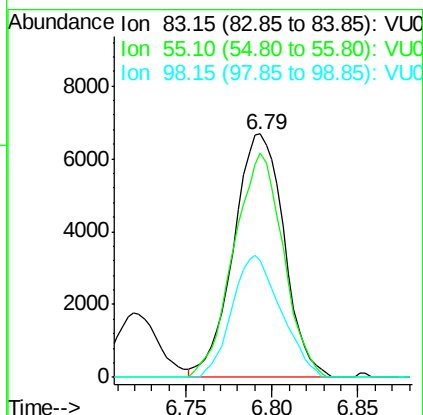
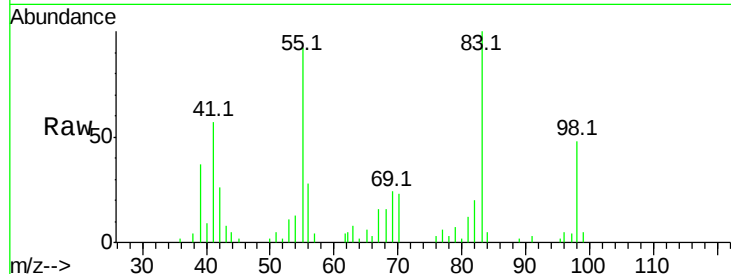




#35
Methylcyclohexane
Concen: 0.487 ug/L
RT: 6.79 min Scan# 1696
Delta R.T. 0.00 min
Lab File: VU039179.D
Acq: 29 Jun 2020 09:35

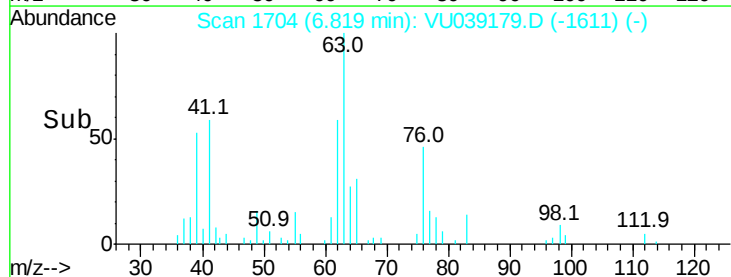
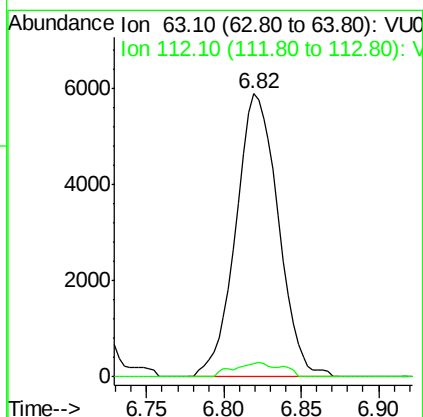
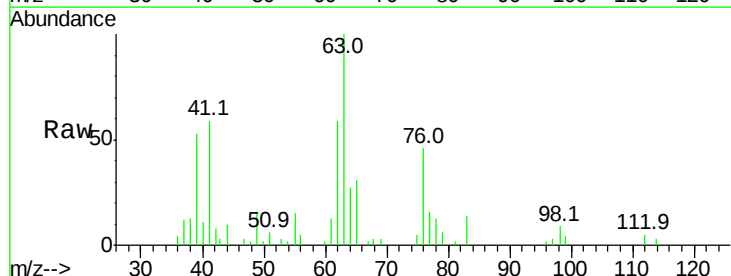
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

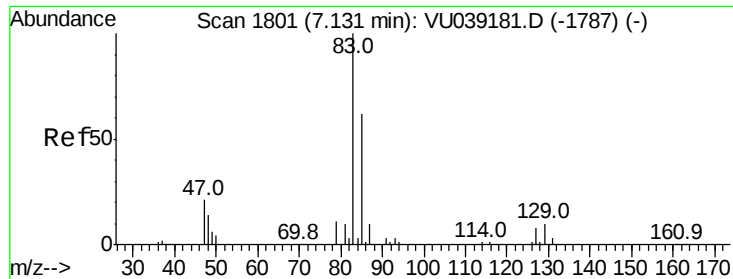
Tgt Ion: 83 Resp: 13611
Ion Ratio Lower Upper
83 100
55 90.4 65.5 98.3
98 48.5 38.2 57.4



#37
1,2-Dichloropropane
Concen: 0.532 ug/L
RT: 6.82 min Scan# 1704
Delta R.T. 0.00 min
Lab File: VU039179.D
Acq: 29 Jun 2020 09:35

Tgt Ion: 63 Resp: 11235
Ion Ratio Lower Upper
63 100
112 5.8 3.4 5.2#





#38

Bromodichloromethane

Concen: 0.551 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU039179.D

Acq: 29 Jun 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

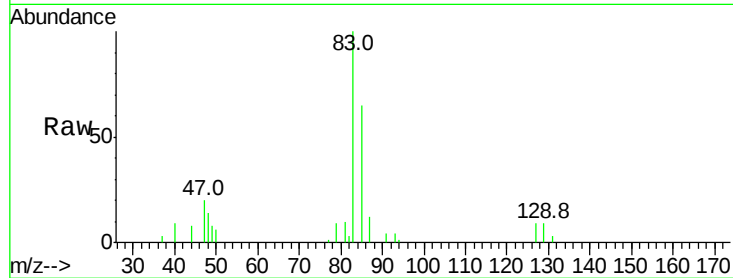
Tgt Ion: 83 Resp: 14509

Ion Ratio Lower Upper

83 100

85 64.8 43.4 80.6

127 8.9 6.2 9.2

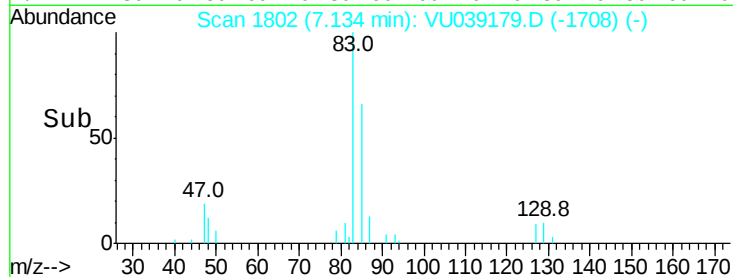


Abundance Ion 82.95 (82.65 to 83.65): VU039181.D (-1787) (-)

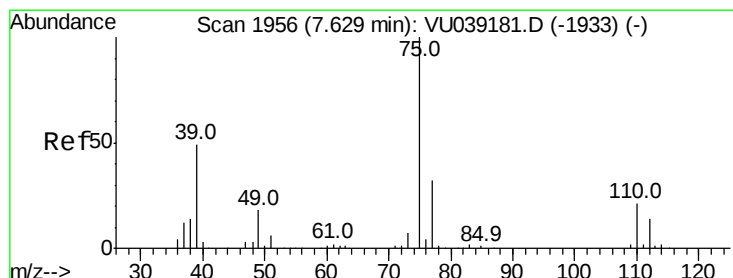
Ion 85.00 (84.70 to 85.70): VU039181.D (-1787) (-)

Ion 126.90 (126.60 to 127.60): VU039181.D (-1787) (-)

7.13



Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.515 ug/L

RT: 7.63 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VU039179.D

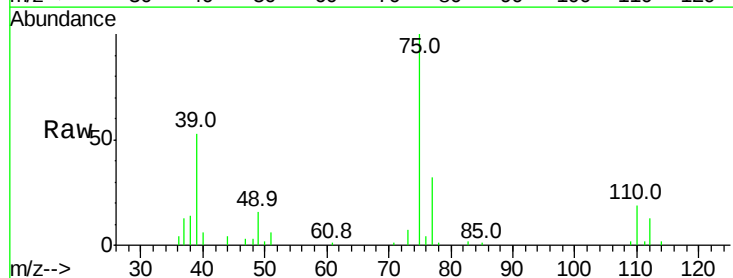
Acq: 29 Jun 2020 09:35

Tgt Ion: 75 Resp: 15061

Ion Ratio Lower Upper

75 100

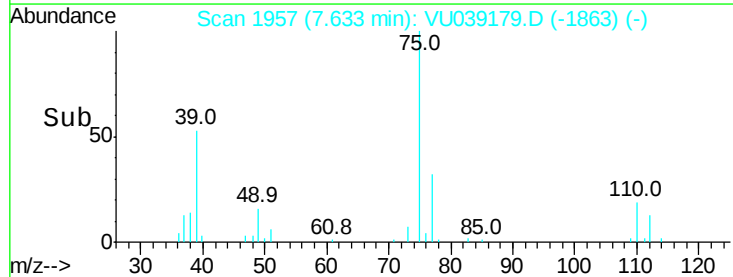
77 31.7 22.7 42.1



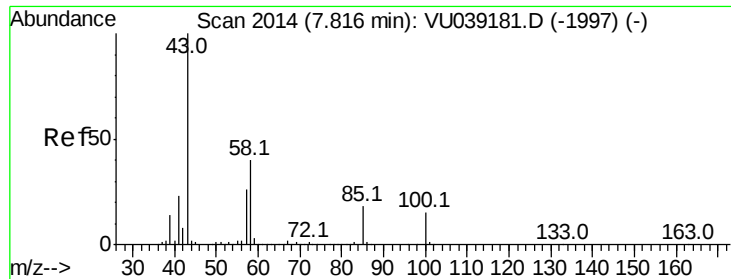
Abundance Ion 75.05 (74.75 to 75.75): VU039181.D (-1933) (-)

Ion 77.05 (76.75 to 77.75): VU039181.D (-1933) (-)

7.63



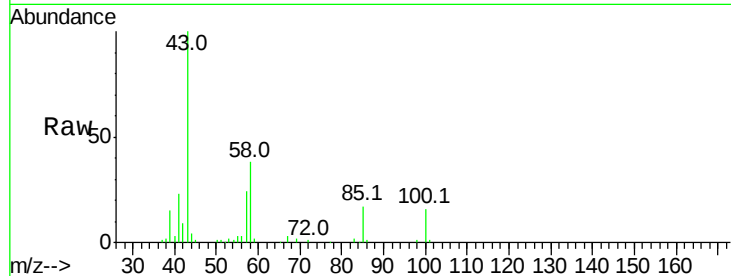
Time-->



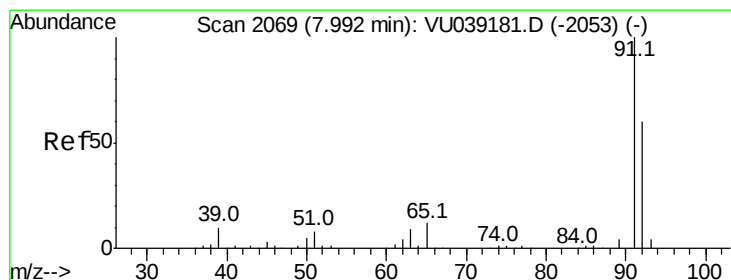
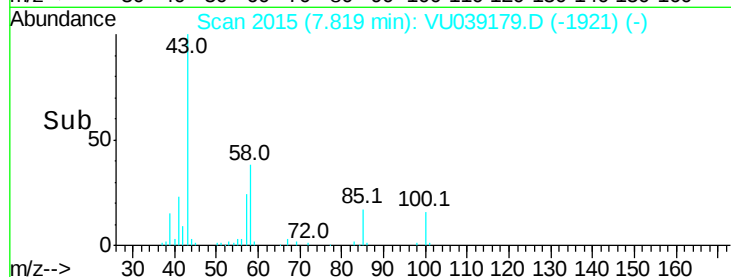
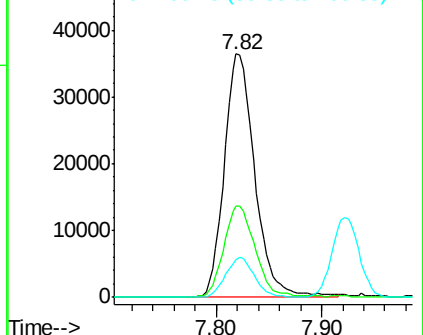
#40
 4-Methyl-2-pentanone
 Concen: 4.645 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU039179.D
 Acq: 29 Jun 2020 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tgt Ion: 43 Resp: 73176
 Ion Ratio Lower Upper
 43 100
 58 38.4 31.3 46.9
 100 15.5 12.2 18.4

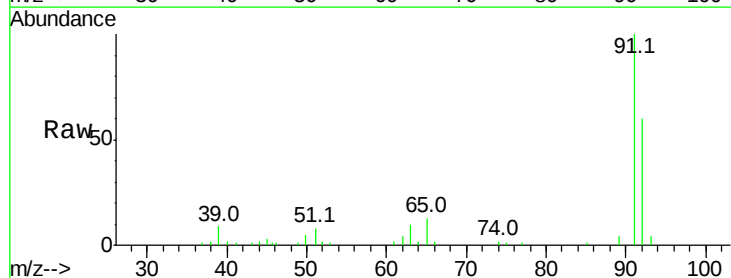


Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 58.05 (57.75 to 58.75): VU0
 Ion 100.15 (99.85 to 100.85): VU0

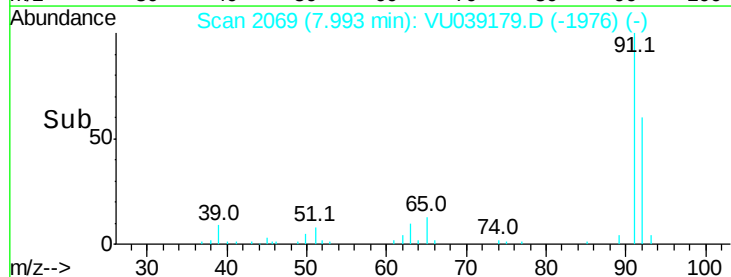
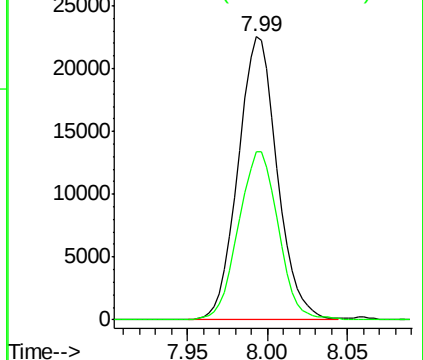


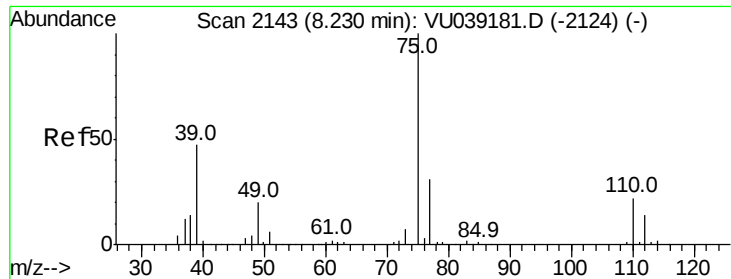
#42
 Toluene
 Concen: 0.487 ug/L
 RT: 7.99 min Scan# 2069
 Delta R.T. 0.00 min
 Lab File: VU039179.D
 Acq: 29 Jun 2020 09:35

Tgt Ion: 91 Resp: 37671
 Ion Ratio Lower Upper
 91 100
 92 59.6 42.4 78.6



Abundance Ion 91.15 (90.85 to 91.85): VU0
 Ion 92.15 (91.85 to 92.85): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.538 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU039179.D

Acq: 29 Jun 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

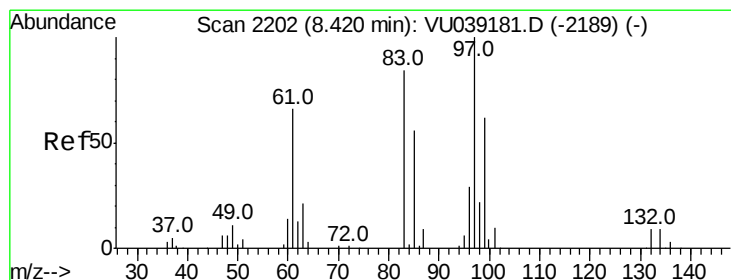
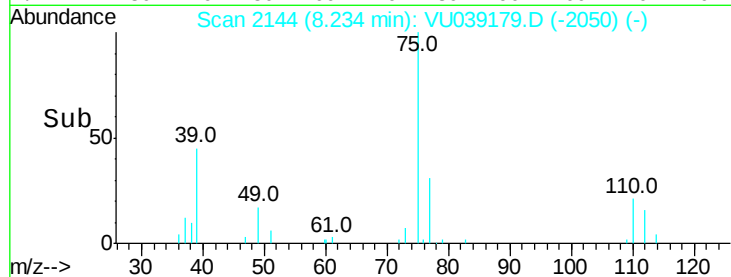
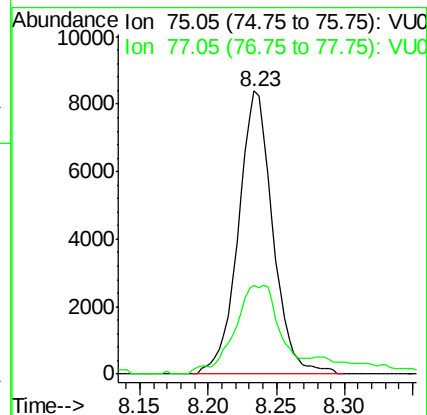
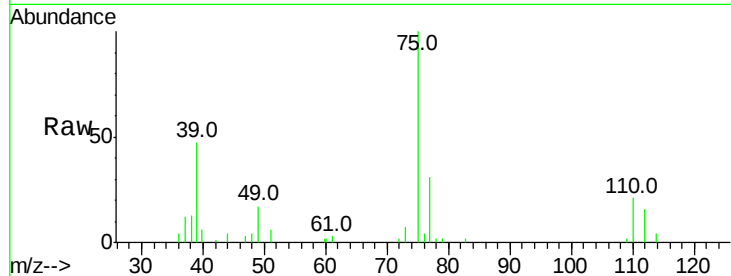
VSTD0.502

Tgt Ion: 75 Resp: 14733

Ion Ratio Lower Upper

75 100

77 31.3 22.1 41.1



#45

1,1,2-Trichloroethane

Concen: 0.528 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. 0.00 min

Lab File: VU039179.D

Acq: 29 Jun 2020 09:35

Tgt Ion: 97 Resp: 8290

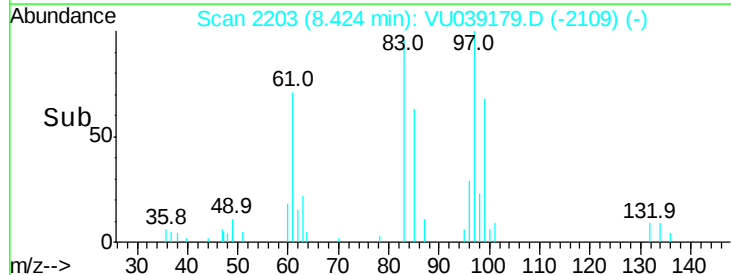
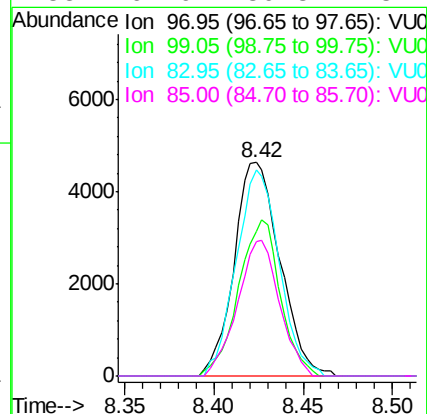
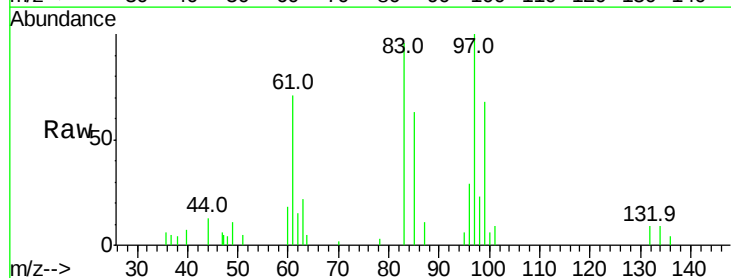
Ion Ratio Lower Upper

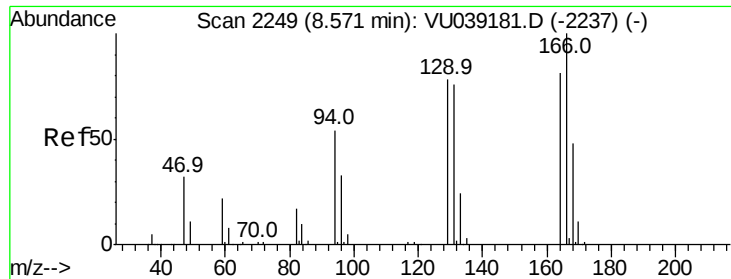
97 100

99 68.0 43.5 80.7

83 96.3 59.1 109.9

85 62.9 39.3 73.1

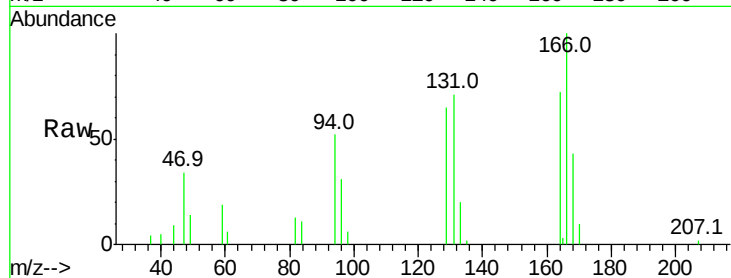




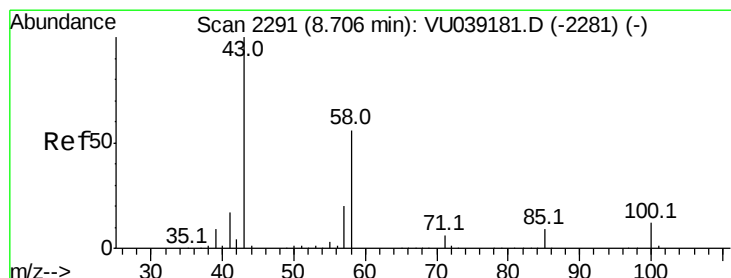
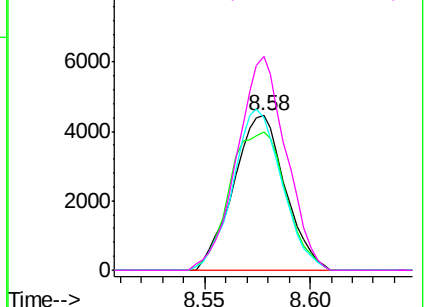
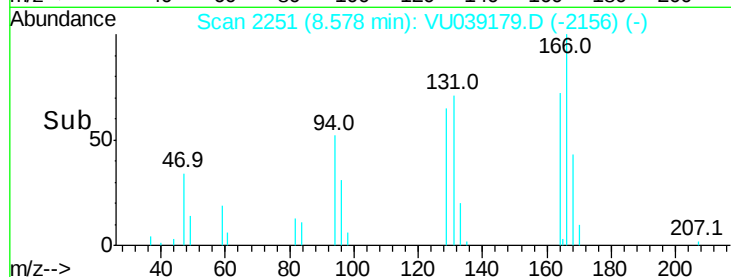
#47
Tetrachloroethene
Concen: 0.559 ug/L
RT: 8.58 min Scan# 2251
Delta R.T. 0.01 min
Lab File: VU039179.D
Acq: 29 Jun 2020 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Tgt Ion:164 Resp: 7591
Ion Ratio Lower Upper
164 100
129 89.4 67.6 125.6
131 98.7 66.1 122.7
166 138.2 86.8 161.2

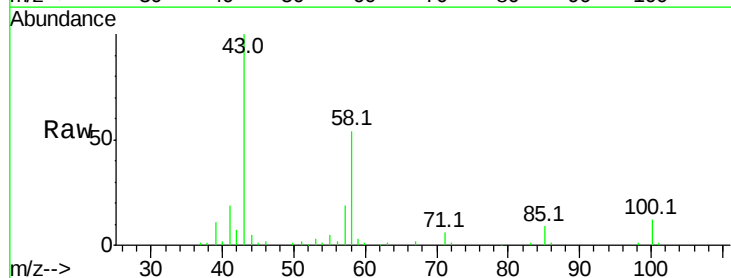


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

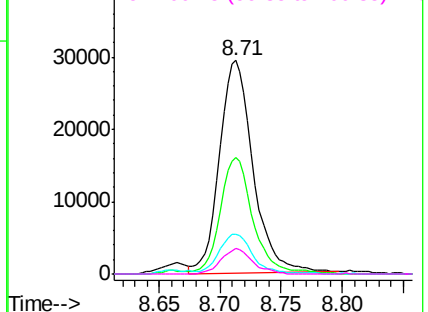
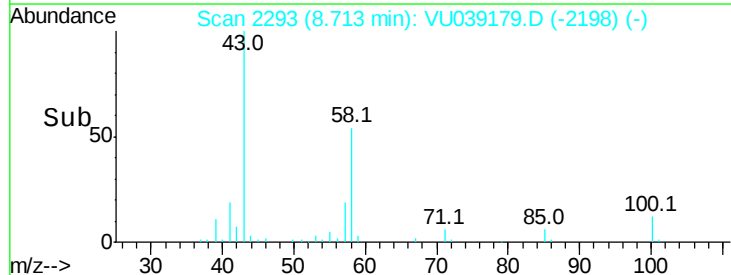


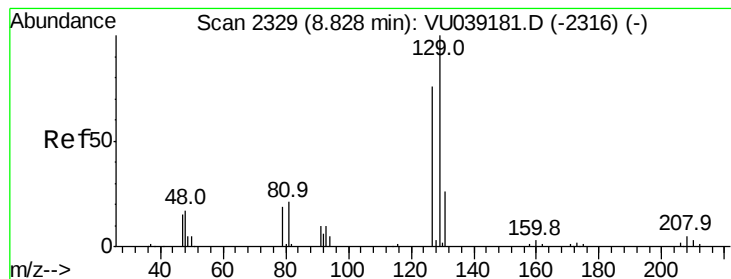
#48
2-Hexanone
Concen: 4.930 ug/L
RT: 8.71 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VU039179.D
Acq: 29 Jun 2020 09:35

Tgt Ion: 43 Resp: 56930
Ion Ratio Lower Upper
43 100
58 53.5 43.6 65.4
57 17.8 15.6 23.4
100 11.1 9.4 14.2



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 0.547 ug/L

RT: 8.83 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU039179.D

Acq: 29 Jun 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

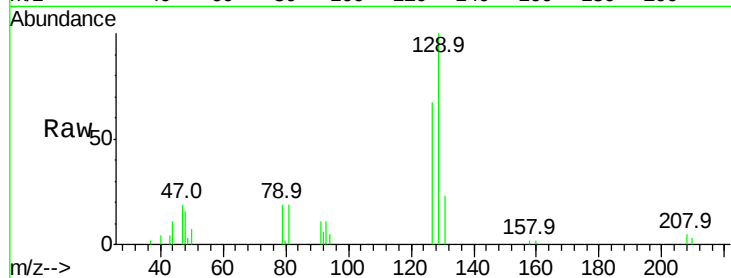
VSTD0.502

Tgt Ion:129 Resp: 9335

Ion Ratio Lower Upper

129 100

127 67.3 53.5 99.3



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.83

6000

5000

4000

3000

2000

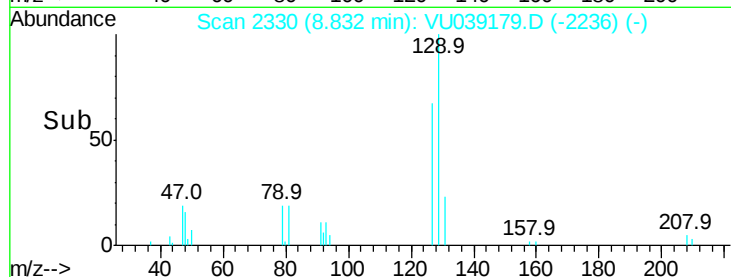
1000

0

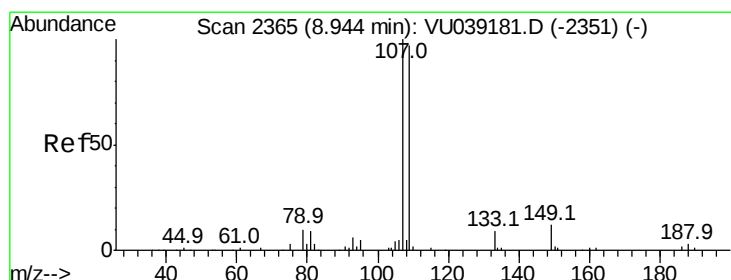
8.80

8.85

8.90



Time-->



#50

1,2-Dibromoethane

Concen: 0.544 ug/L

RT: 8.95 min Scan# 2366

Delta R.T. 0.00 min

Lab File: VU039179.D

Acq: 29 Jun 2020 09:35

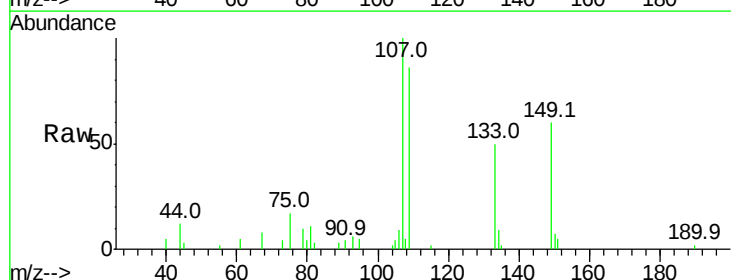
Tgt Ion:107 Resp: 8064

Ion Ratio Lower Upper

107 100

109 86.2 67.7 125.7

188 0.0 2.5 3.7#



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V

8.95

6000

5000

4000

3000

2000

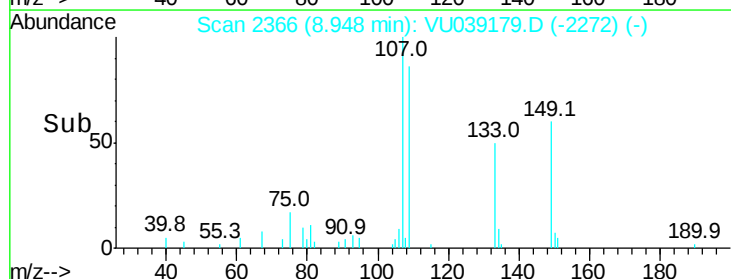
1000

0

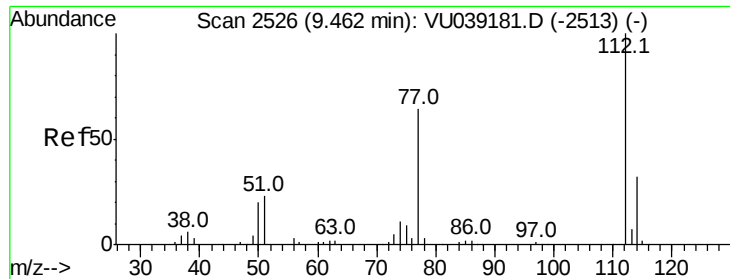
8.90

8.95

9.00



Time-->



#51

Chlorobenzene

Concen: 0.550 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. 0.01 min

Lab File: VU039179.D

Acq: 29 Jun 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

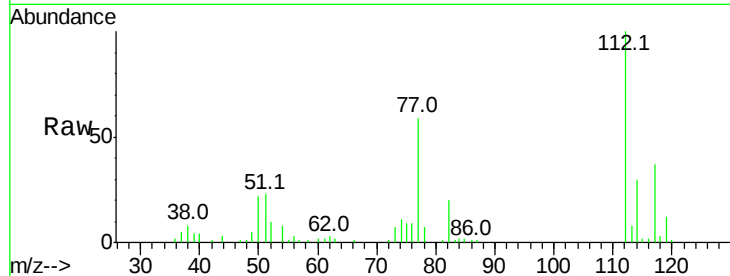
Tgt Ion:112 Resp: 26790

Ion Ratio Lower Upper

112 100

114 30.1 22.6 42.0

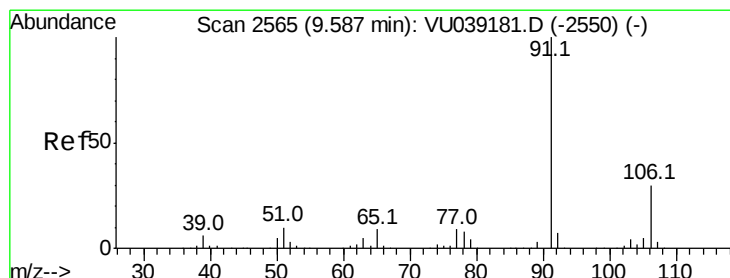
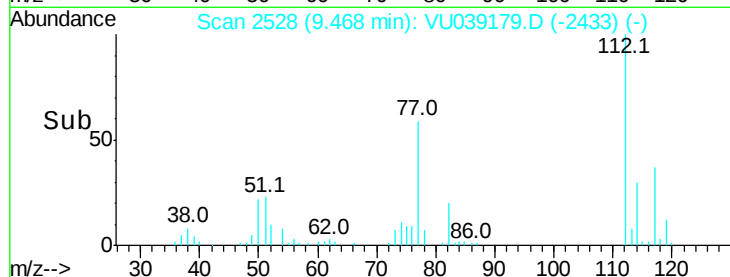
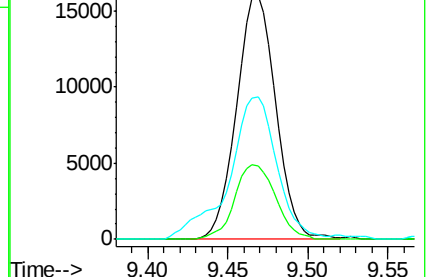
77 58.6 51.1 76.7



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#52

Ethylbenzene

Concen: 0.498 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU039179.D

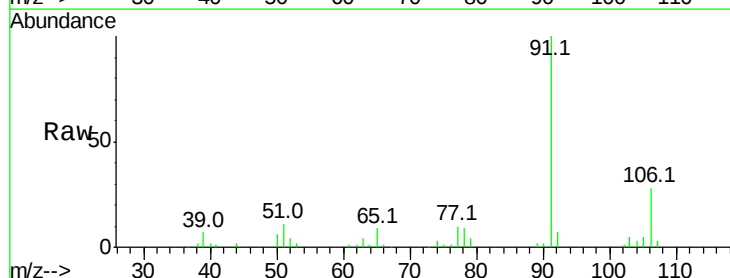
Acq: 29 Jun 2020 09:35

Tgt Ion: 91 Resp: 40497

Ion Ratio Lower Upper

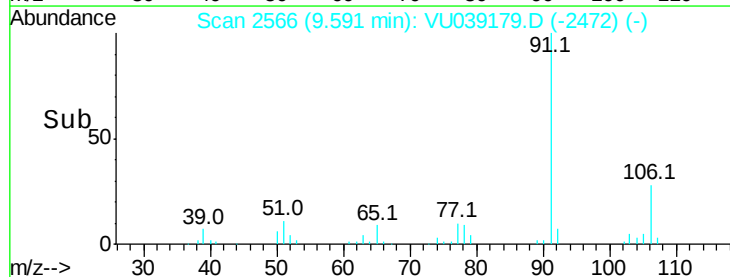
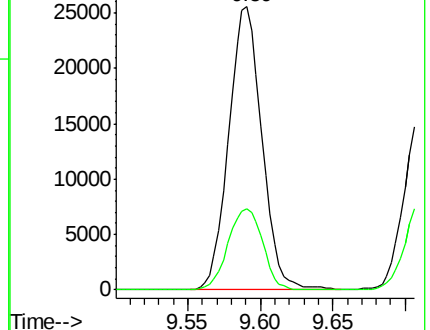
91 100

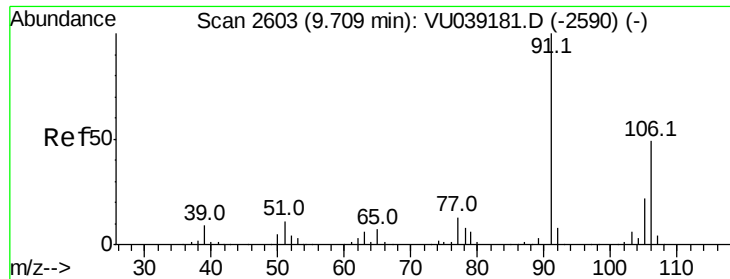
106 28.5 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): V

Ion 106.15 (105.85 to 106.85): V

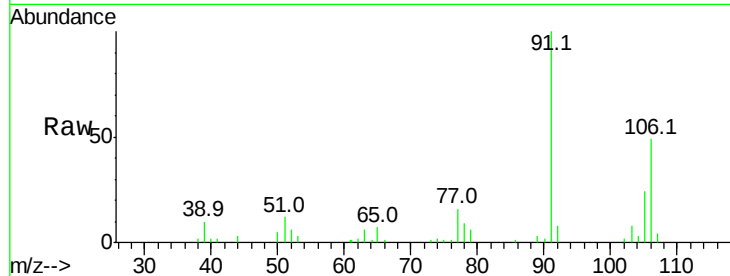




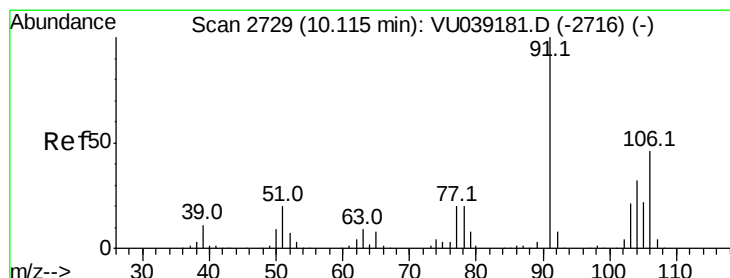
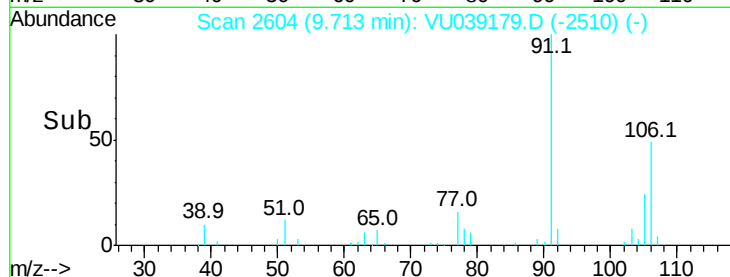
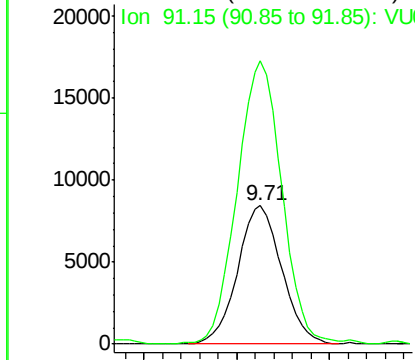
#53
m,p-Xylene
Concen: 0.467 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU039179.D
Acq: 29 Jun 2020 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Tgt Ion:106 Resp: 13971
Ion Ratio Lower Upper
106 100
91 204.6 143.7 266.9

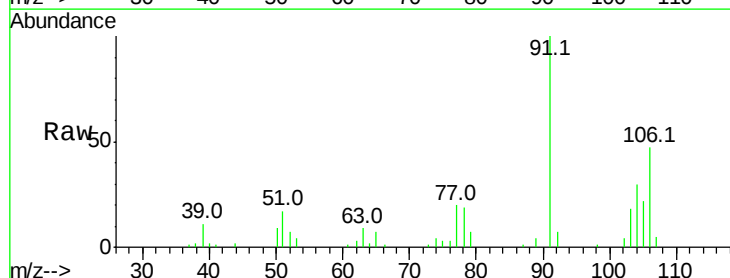


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

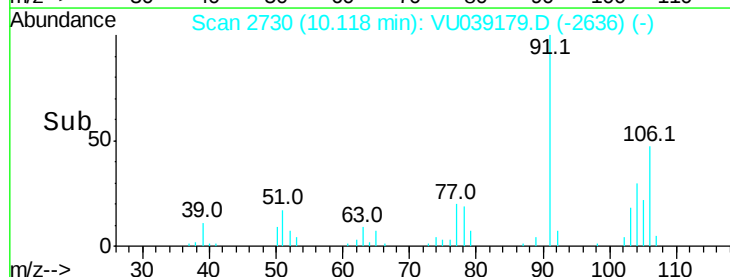
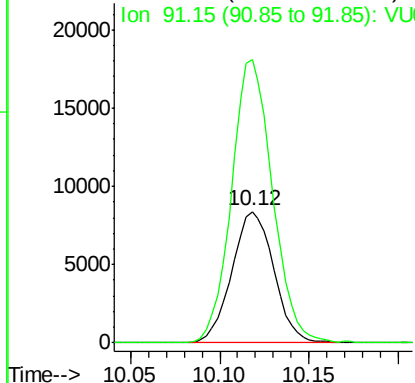


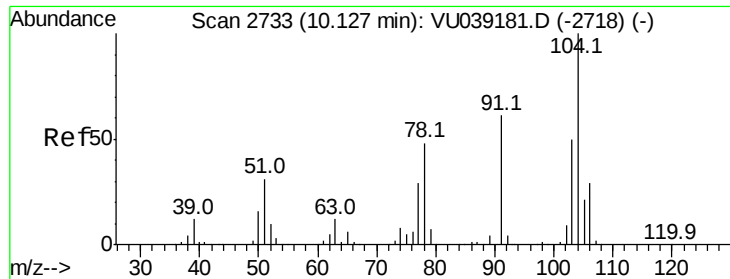
#54
o-Xylene
Concen: 0.480 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU039179.D
Acq: 29 Jun 2020 09:35

Tgt Ion:106 Resp: 13777
Ion Ratio Lower Upper
106 100
91 215.0 153.2 284.6



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

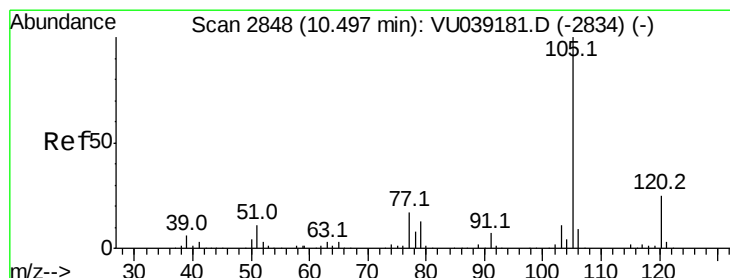
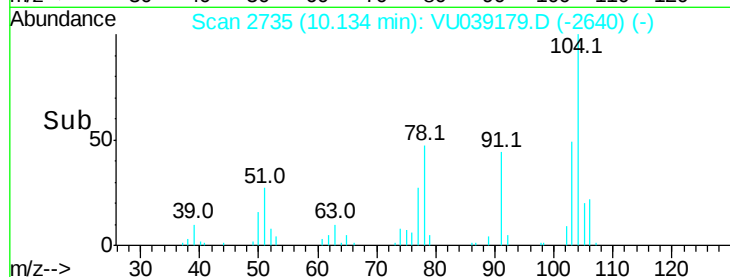
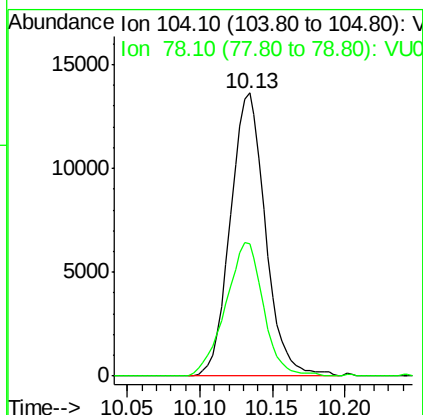
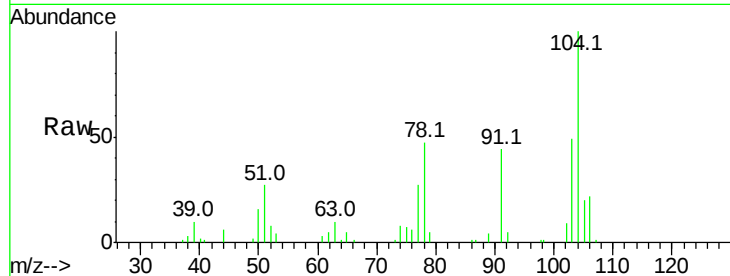




#55
Styrene
Concen: 0.454 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.01 min
Lab File: VU039179.D
Acq: 29 Jun 2020 09:35

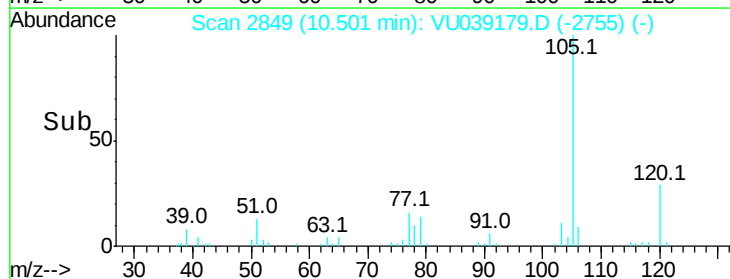
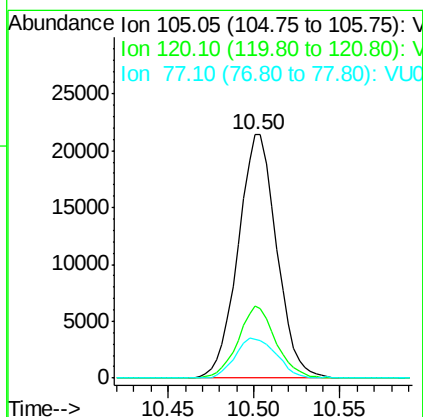
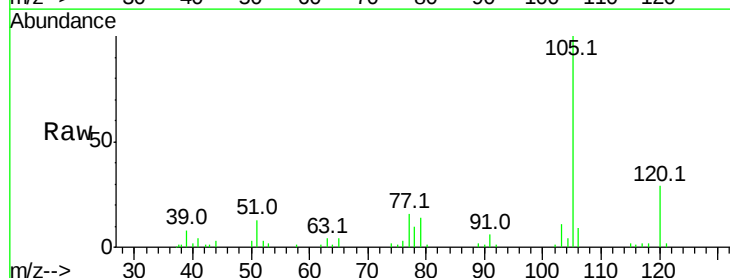
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

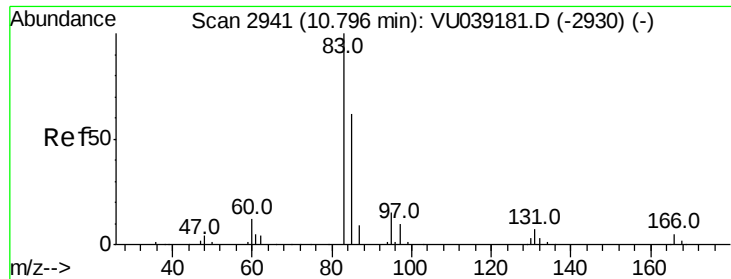
Tgt Ion:104 Resp: 22891
Ion Ratio Lower Upper
104 100
78 46.9 33.5 62.1



#56
Isopropylbenzene
Concen: 0.443 ug/L
RT: 10.50 min Scan# 2849
Delta R.T. 0.00 min
Lab File: VU039179.D
Acq: 29 Jun 2020 09:35

Tgt Ion:105 Resp: 33311
Ion Ratio Lower Upper
105 100
120 28.7 20.1 30.1
77 17.3 13.4 20.2





#58

1,1,2,2-Tetrachloroethane

Concen: 0.469 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU039179.D

Acq: 29 Jun 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

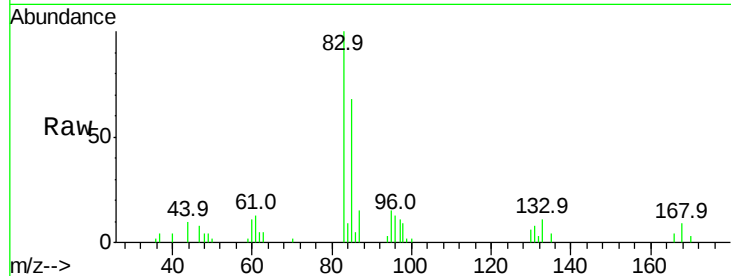
Tgt Ion: 83 Resp: 9837

Ion Ratio Lower Upper

83 100

85 68.3 43.4 80.6

131 7.8 6.5 9.7

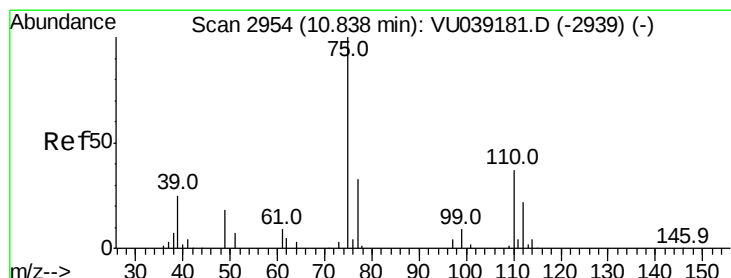
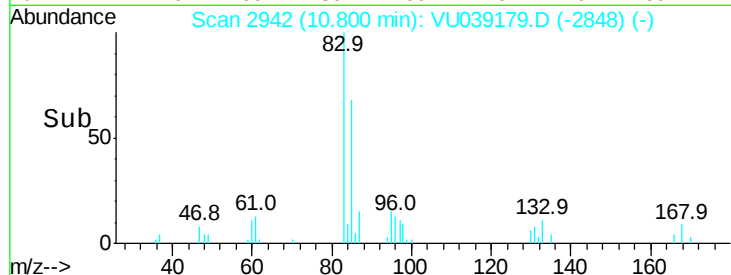


Abundance Ion 82.95 (82.65 to 83.65): VU039179.D (-2848) (-)

Ion 85.00 (84.70 to 85.70): VU039179.D (-2848) (-)

Ion 130.95 (130.65 to 131.65): VU039179.D (-2848) (-)

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.497 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU039179.D

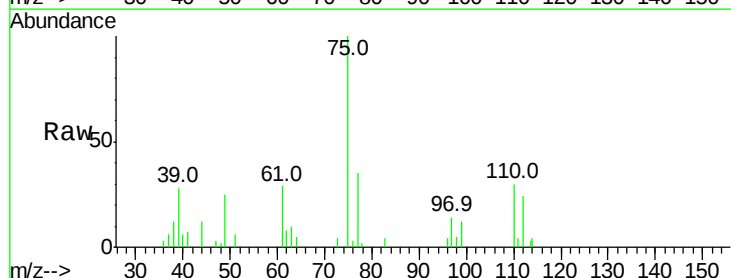
Acq: 29 Jun 2020 09:35

Tgt Ion: 75 Resp: 7903

Ion Ratio Lower Upper

75 100

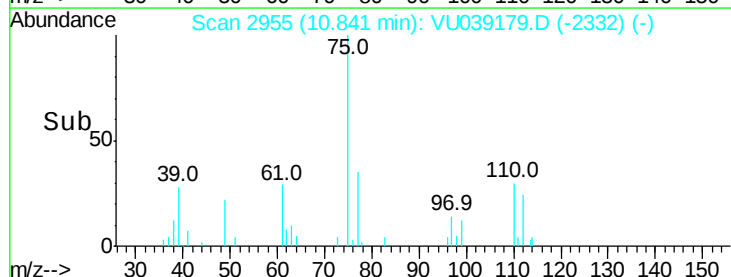
77 34.3 25.6 38.4

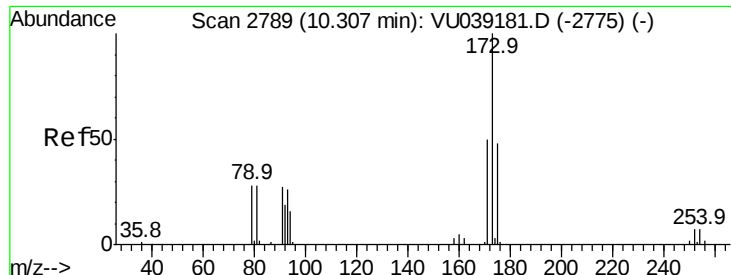


Abundance Ion 75.00 (74.70 to 75.70): VU039179.D (-2332) (-)

Ion 77.00 (76.70 to 77.70): VU039179.D (-2332) (-)

Time-->

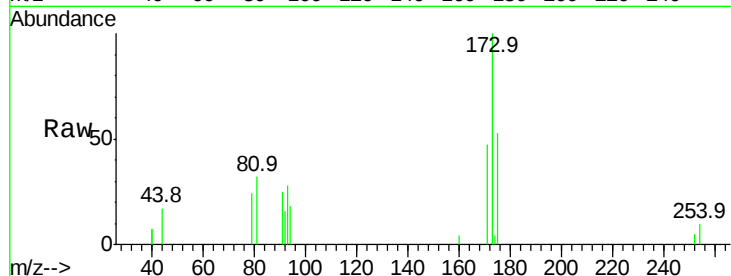




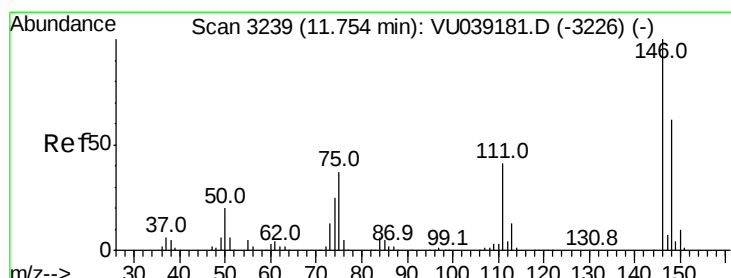
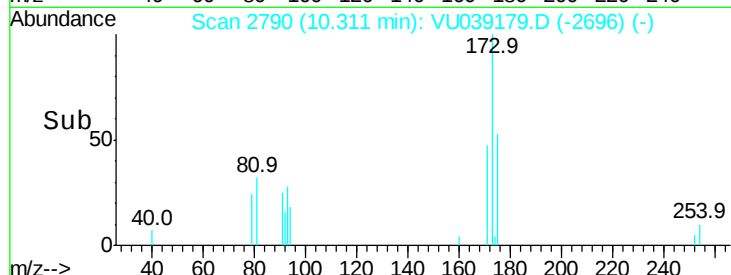
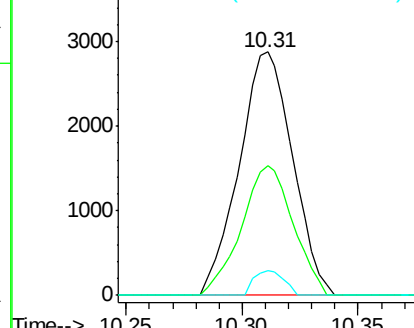
#61
Bromoform
Concen: 0.485 ug/L
RT: 10.31 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VU039179.D
Acq: 29 Jun 2020 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Tgt Ion:173 Resp: 4608
Ion Ratio Lower Upper
173 100
175 51.6 39.3 58.9
254 5.6 5.5 8.3

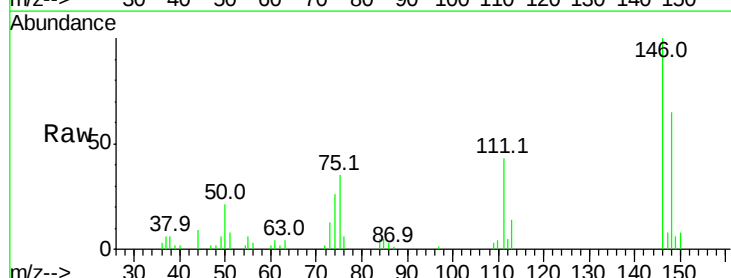


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

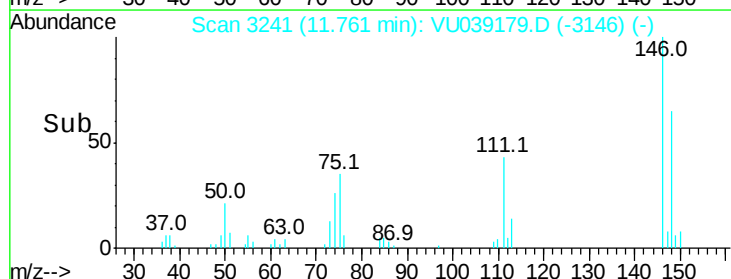
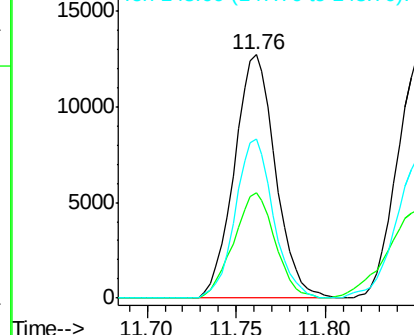


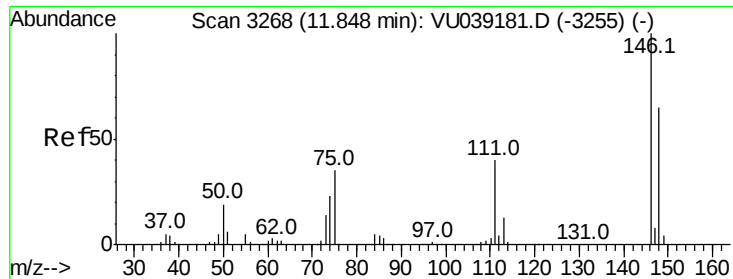
#62
1,3-Dichlorobenzene
Concen: 0.591 ug/L
RT: 11.76 min Scan# 3241
Delta R.T. 0.01 min
Lab File: VU039179.D
Acq: 29 Jun 2020 09:35

Tgt Ion:146 Resp: 20448
Ion Ratio Lower Upper
146 100
111 43.0 29.0 53.8
148 65.3 43.2 80.2



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





#63

1,4-Dichlorobenzene

Concen: 0.563 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU039179.D

Acq: 29 Jun 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

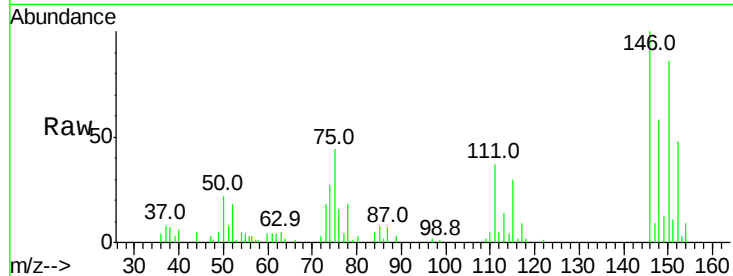
Tgt Ion:146 Resp: 20055

Ion Ratio Lower Upper

146 100

111 36.7 28.3 52.5

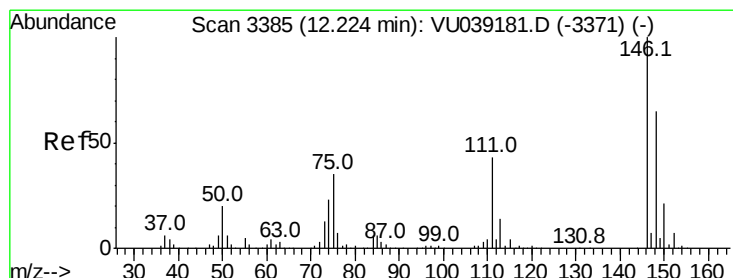
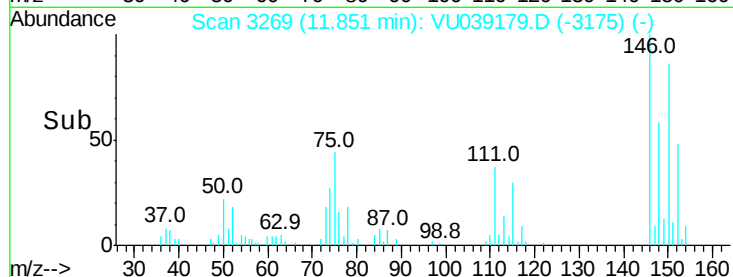
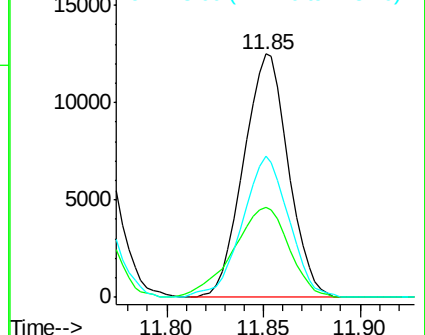
148 57.8 45.8 85.2



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



#65

1,2-Dichlorobenzene

Concen: 0.507 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU039179.D

Acq: 29 Jun 2020 09:35

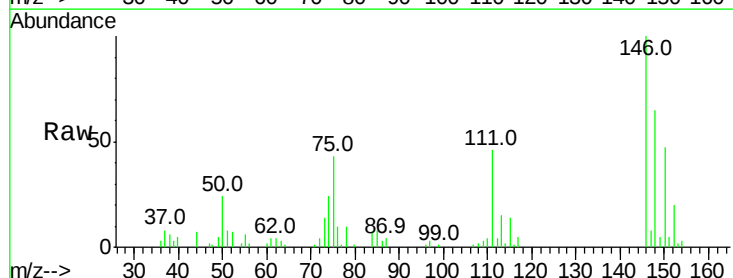
Tgt Ion:146 Resp: 17563

Ion Ratio Lower Upper

146 100

111 46.2 34.7 52.1

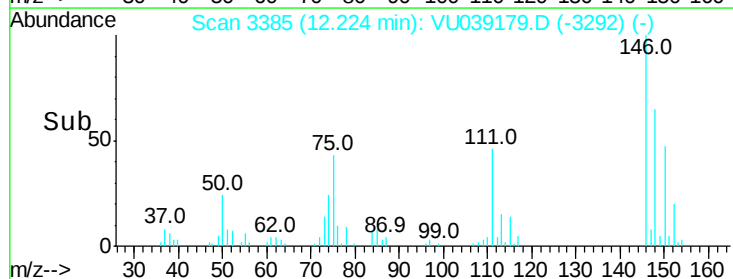
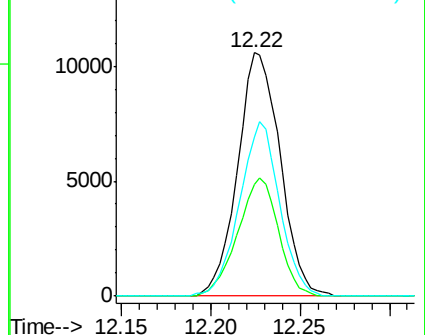
148 65.4 51.8 77.6

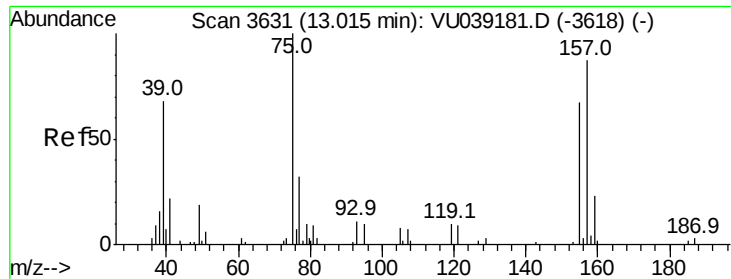


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

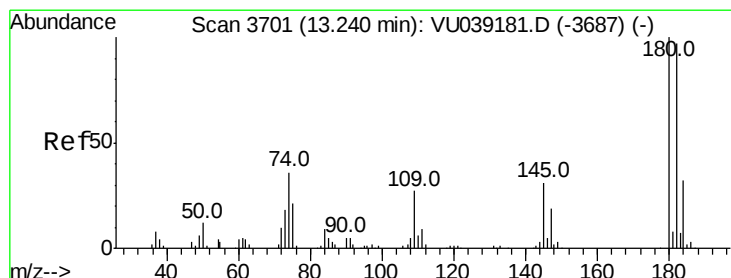
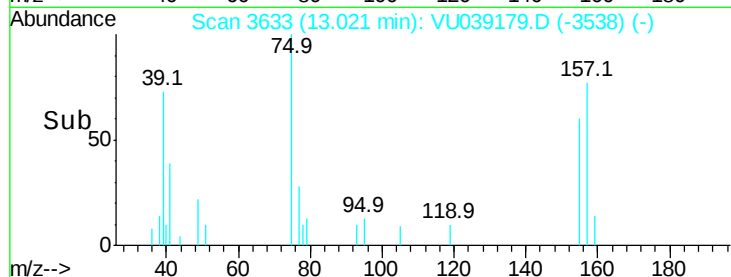
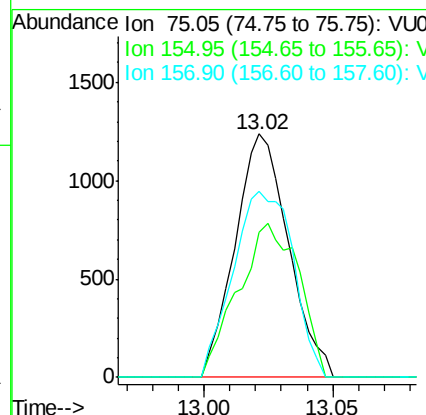
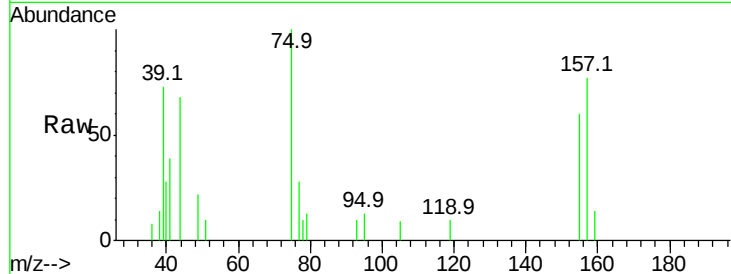




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.468 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.01 min
 Lab File: VU039179.D
 Acq: 29 Jun 2020 09:35

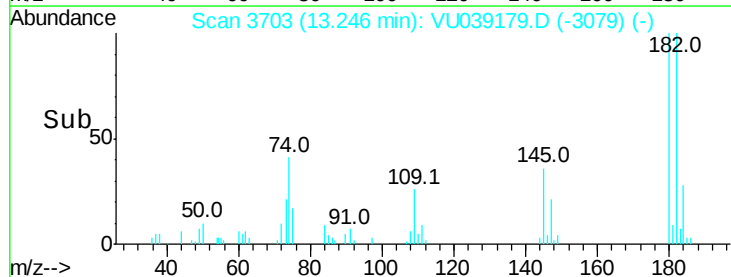
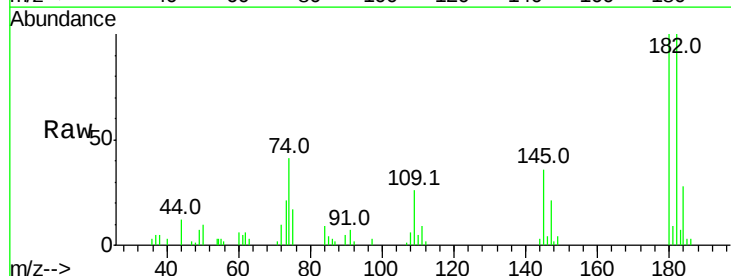
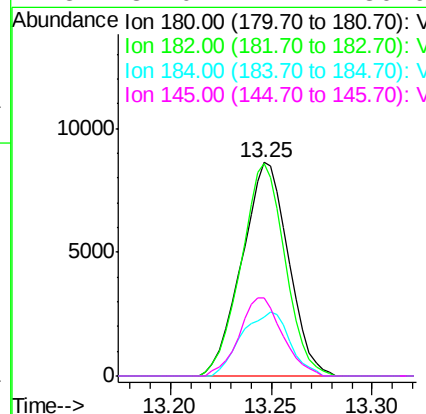
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

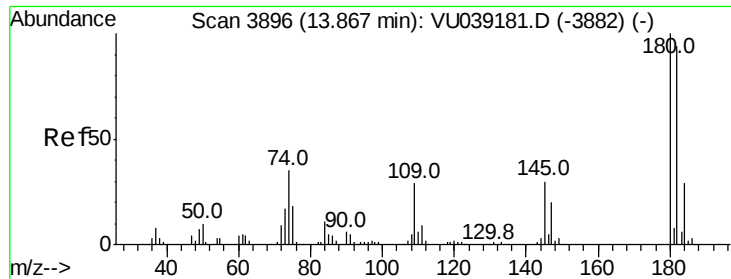
Tgt Ion: 75 Resp: 1790
 Ion Ratio Lower Upper
 75 100
 155 59.6 53.8 80.8
 157 76.6 69.4 104.2



#67
 1,3,5-Trichlorobenzene
 Concen: 0.544 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.01 min
 Lab File: VU039179.D
 Acq: 29 Jun 2020 09:35

Tgt Ion: 180 Resp: 13930
 Ion Ratio Lower Upper
 180 100
 182 93.9 77.5 116.3
 184 31.0 25.1 37.7
 145 34.0 24.4 36.6

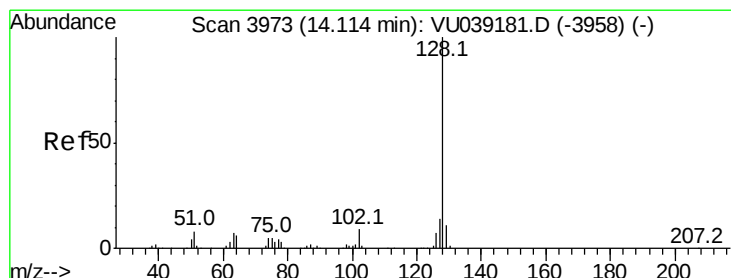
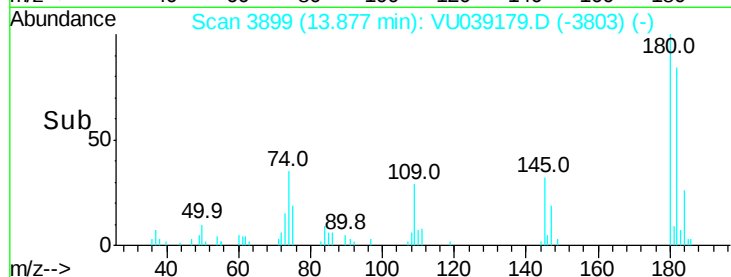
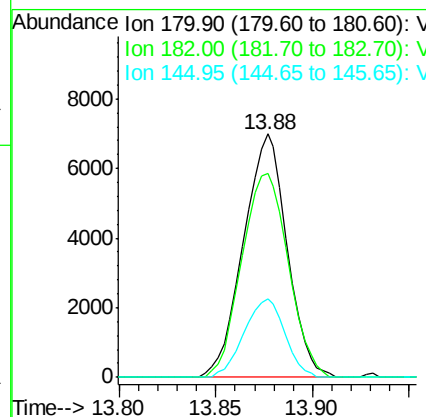
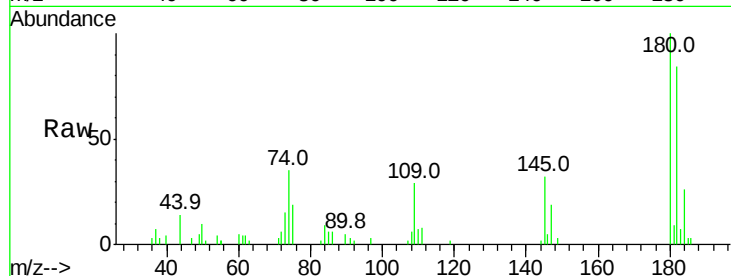




#68
 1,2,4-trichlorobenzene
 Concen: 0.470 ug/L
 RT: 13.88 min Scan# 3899
 Delta R.T. 0.01 min
 Lab File: VU039179.D
 Acq: 29 Jun 2020 09:35

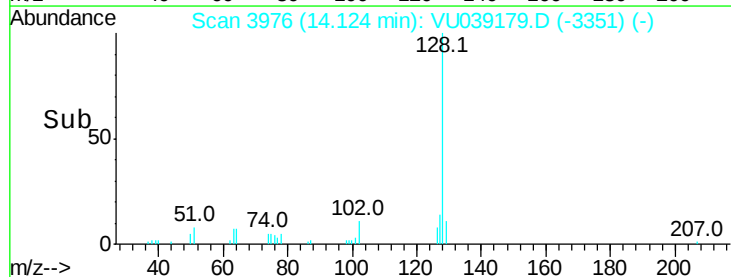
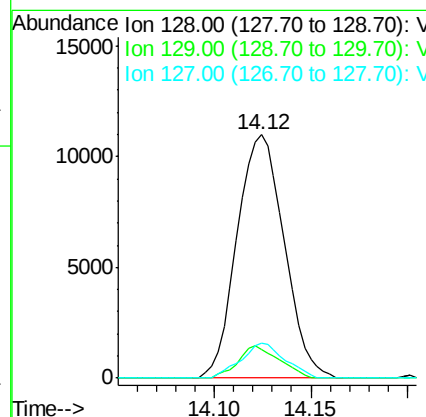
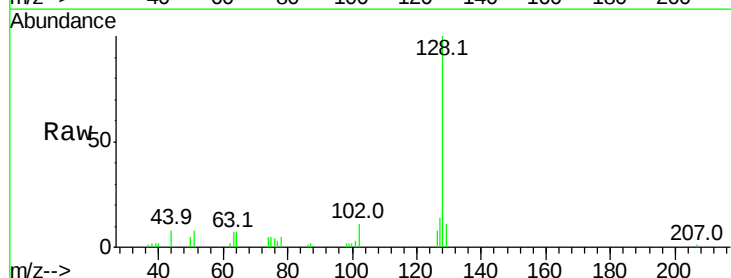
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

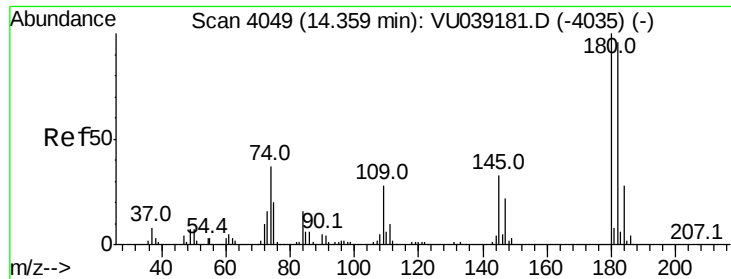
Tgt Ion:180 Resp: 10965
 Ion Ratio Lower Upper
 180 100
 182 89.3 75.4 113.0
 145 30.1 25.3 37.9



#69
 Naphthalene
 Concen: 0.374 ug/L
 RT: 14.12 min Scan# 3976
 Delta R.T. 0.01 min
 Lab File: VU039179.D
 Acq: 29 Jun 2020 09:35

Tgt Ion:128 Resp: 18595
 Ion Ratio Lower Upper
 128 100
 129 11.4 8.8 13.2
 127 13.4 10.7 16.1

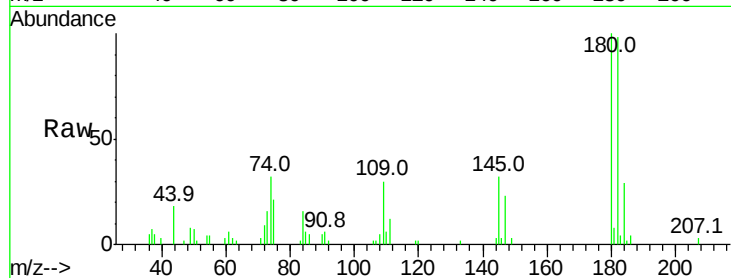




#70
 1,2,3-Trichlorobenzene
 Concen: 0.437 ug/L
 RT: 14.37 min Scan# 4053
 Delta R.T. 0.01 min
 Lab File: VU039179.D
 Acq: 29 Jun 2020 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tgt Ion:180 Resp: 9842
 Ion Ratio Lower Upper
 180 100
 182 99.8 76.8 115.2
 145 35.3 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

