

Data File : VU037819.D
Acq On : 21 Apr 2020 12:16
Operator : JC/MD
Sample : VSTD005
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

Quant Time: Apr 21 13:33:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042120WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 21 13:31:46 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	425746	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	411058	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	206631	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	21678	5.82	ug/L	0.00
7) Chloroethane-d5	1.93	69	17490	5.81	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	36941	6.09	ug/L	0.00
21) 2-Butanone-d5	4.67	46	31877	10.57	ug/L	0.00
24) Chloroform-d	5.10	84	33271	5.95	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	23615	6.21	ug/L	0.00
32) Benzene-d6	5.76	84	70950	5.87	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	24110	5.99	ug/L	0.00
41) Toluene-d8	7.92	98	65381	5.83	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	12173	5.59	ug/L	0.00
47) 2-Hexanone-d5	8.65	63	23070	10.01	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	32331	5.69	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	24804	5.77	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	23950	7.181 ug/L	100
3) Chloromethane	1.54	50	22255	5.706 ug/L	100
5) Vinyl chloride	1.62	62	26937	6.599 ug/L	99
6) Bromomethane	1.87	94	9535	4.438 ug/L	98
8) Chloroethane	1.95	64	16459	6.792 ug/L	100
9) Trichlorofluoromethane	2.16	101	30169	6.844 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	18008	6.710 ug/L	99
12) 1,1-Dichloroethene	2.61	96	17285	6.351 ug/L	88
13) Acetone	2.66	43	27700	15.554 ug/L	100
14) Carbon disulfide	2.82	76	58097	6.231 ug/L	98
15) Methyl Acetate	2.98	43	28420	6.710 ug/L	100
16) Methylene chloride	3.08	84	20850	6.706 ug/L	94
17) trans-1,2-Dichloroethene	3.39	96	19731	6.758 ug/L	94
18) Methyl tert-butyl Ether	3.40	73	67182	6.665 ug/L	99
19) 1,1-Dichloroethane	3.91	63	39396	6.882 ug/L	96
20) cis-1,2-Dichloroethene	4.71	96	21317	6.640 ug/L	96
22) 2-Butanone	4.75	43	42057	13.492 ug/L	96
23) Bromochloromethane	5.02	128	10152	6.488 ug/L	93
25) Chloroform	5.13	83	37416	6.947 ug/L	100
27) 1,2-Dichloroethane	5.83	62	32084	7.202 ug/L	100
29) Cyclohexane	5.42	56	39195	6.934 ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	31564	6.775 ug/L	98
31) Carbon tetrachloride	5.56	117	24878	6.578 ug/L	98
33) Benzene	5.81	78	84421	6.749 ug/L	100
34) Trichloroethene	6.57	95	20946	6.802 ug/L	99
35) Methylcyclohexane	6.79	83	37316	6.830 ug/L	98
37) 1,2-Dichloropropane	6.82	63	23684	6.890 ug/L	# 93
38) Bromodichloromethane	7.13	83	28419	6.716 ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	36195	6.433 ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	78067	12.788 ug/L	98

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Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

Quant Time: Apr 21 13:33:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042120WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 21 13:31:46 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	88866	6.687	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	34943	6.407	ug/L	95
45) 1,1,2-Trichloroethane	8.42	97	21033	6.858	ug/L	98
46) Tetrachloroethene	8.57	164	14953	6.526	ug/L	93
48) 2-Hexanone	8.71	43	63800	13.236	ug/L	99
49) Dibromochloromethane	8.83	129	20593	6.262	ug/L	89
50) 1,2-Dibromoethane	8.94	107	21914	6.604	ug/L	98
51) Chlorobenzene	9.47	112	55974	6.745	ug/L	97
52) Ethylbenzene	9.59	91	98561	6.615	ug/L	100
53) m,p-Xylene	9.71	106	37977	6.713	ug/L	95
54) o-xylene	10.12	106	36071	6.429	ug/L	98
55) Styrene	10.13	104	61691	6.342	ug/L	97
56) Isopropylbenzene	10.50	105	97247	6.657	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	35997	6.573	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	31697	6.788	ug/L	97
61) Bromoform	10.31	173	15526	5.929	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	44035	6.621	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	45184	6.771	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	43704	6.668	ug/L	94
66) 1,2-Dibromo-3-chloropropan	13.02	75	9009	5.933	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	31873	6.554	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	30139	6.425	ug/L	96
69) Naphthalene	14.11	128	107589	6.216	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	30756	6.581	ug/L	99

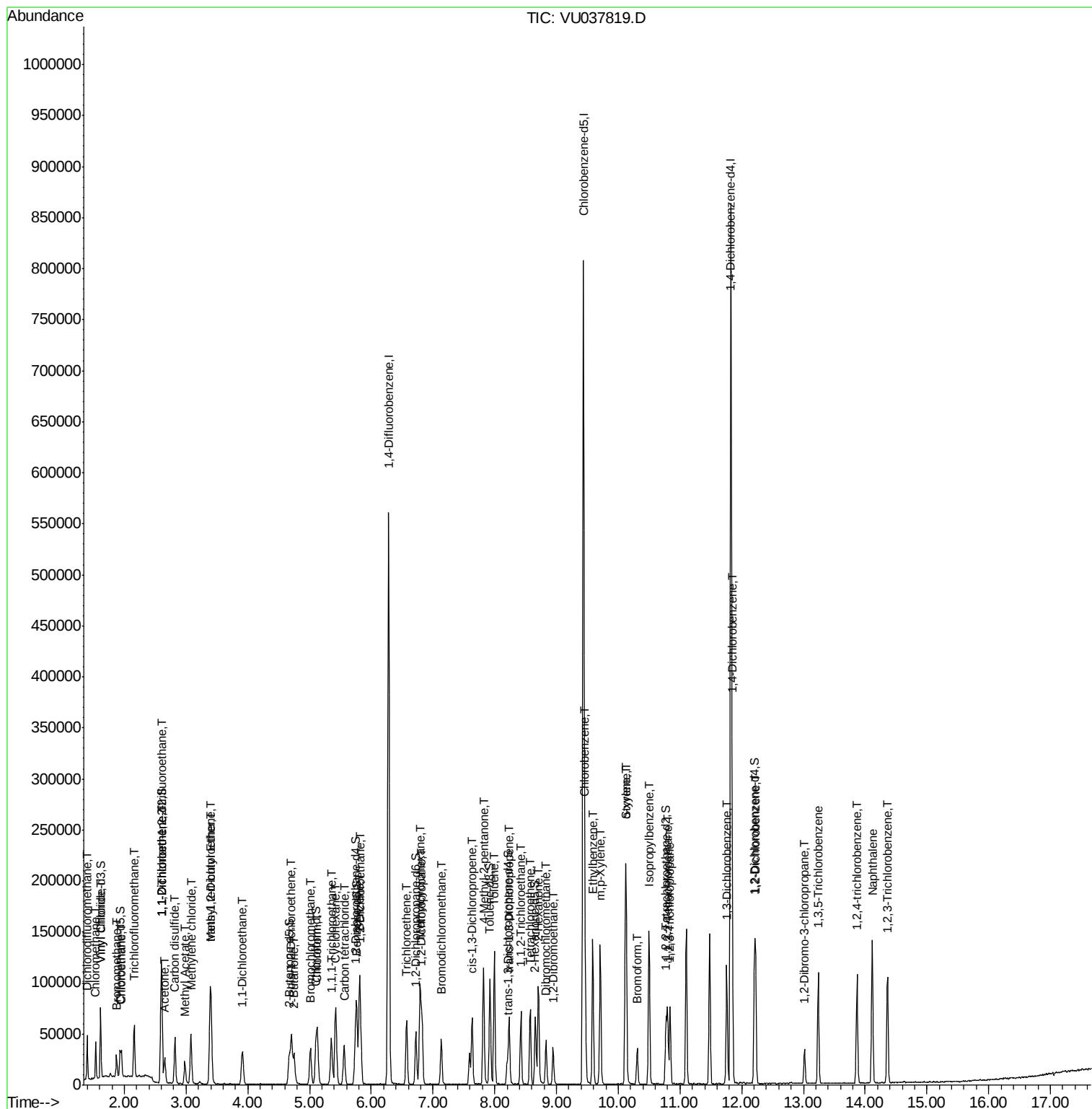
(#) = qualifier out of range (m) = manual integration (+) = signals summed

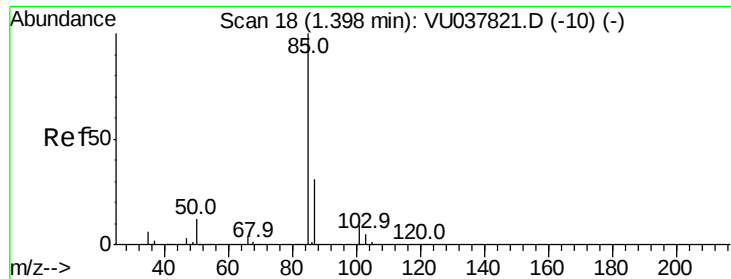
Data File : VU037819.D

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Acq On       : 21 Apr 2020   12:16
Operator     : JC/MD
Sample       : VSTD005
Misc         : 5.0mL/MSVOA_U/WATER
ALS Vial     : 1      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

Quant Time: Apr 21 13:33:27 2020
Quant Method : Z:\V\OASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042120WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 21 13:31:46 2020
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#2

Dichlorodifluoromethane

Concen: 7.181 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU037819.D

Acq: 21 Apr 2020 12:16

Instrument :

MSVOA_U

ClientSampleId :

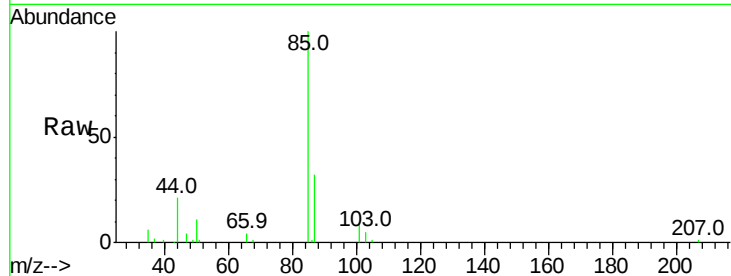
VSTD00532

Tgt Ion: 85 Resp: 23950

Ion Ratio Lower Upper

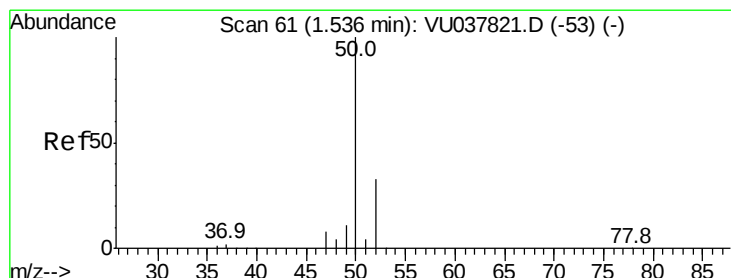
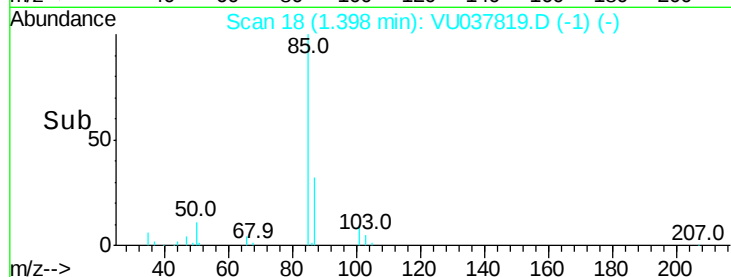
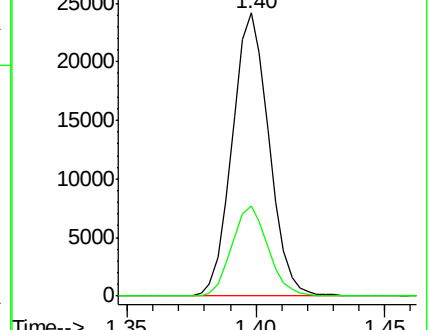
85 100

87 31.4 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VU037819.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU037819.D (-10) (-)



#3

Chloromethane

Concen: 5.706 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037819.D

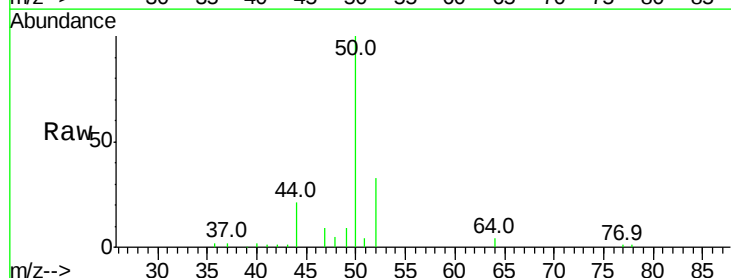
Acq: 21 Apr 2020 12:16

Tgt Ion: 50 Resp: 22255

Ion Ratio Lower Upper

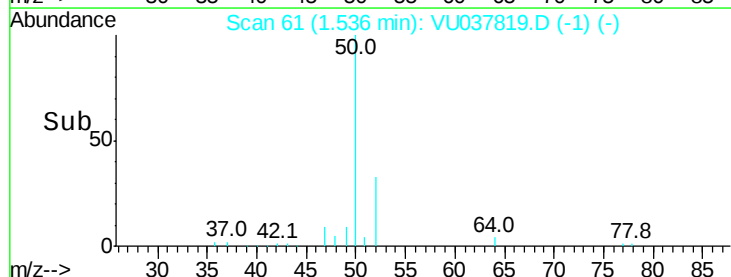
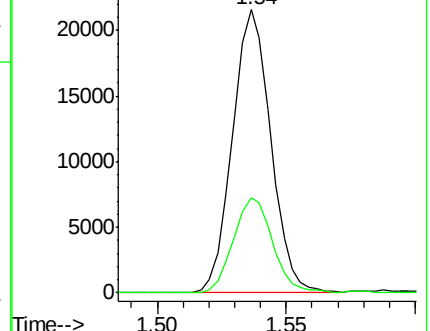
50 100

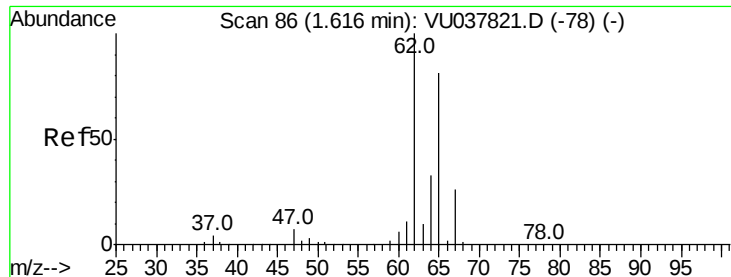
52 33.5 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU037819.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU037819.D (-53) (-)





#5

Vinyl chloride

Concen: 6.599 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU037819.D

Acq: 21 Apr 2020 12:16

Instrument :

MSVOA_U

ClientSampleId :

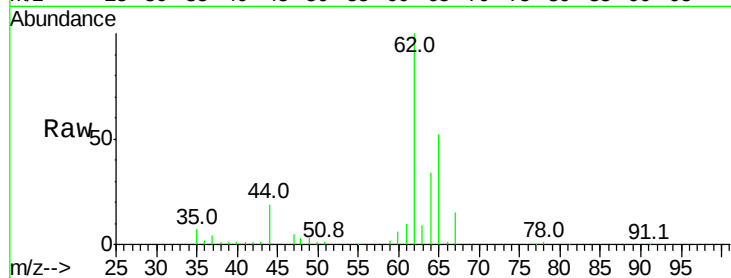
VSTD00532

Tgt Ion: 62 Resp: 26937

Ion Ratio Lower Upper

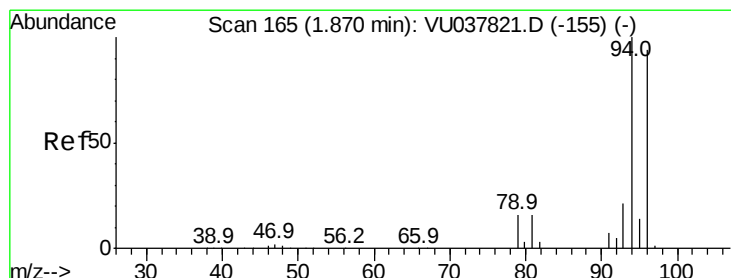
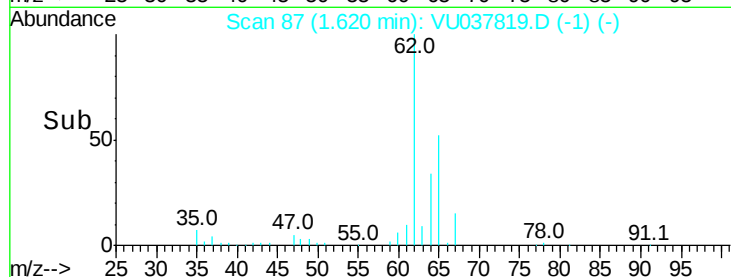
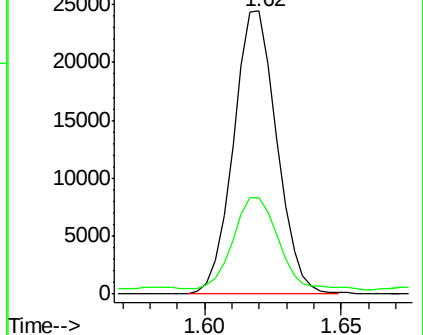
62 100

64 34.2 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VU037819.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU037819.D (-1) (-)



#6

Bromomethane

Concen: 4.438 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037819.D

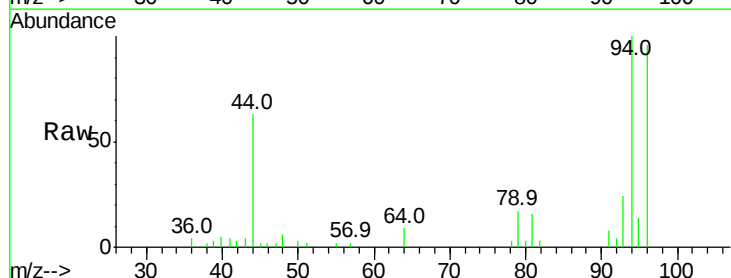
Acq: 21 Apr 2020 12:16

Tgt Ion: 94 Resp: 9535

Ion Ratio Lower Upper

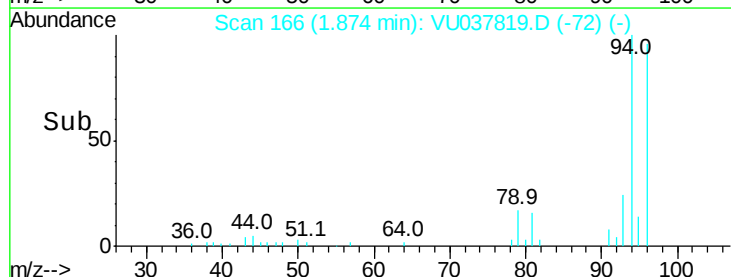
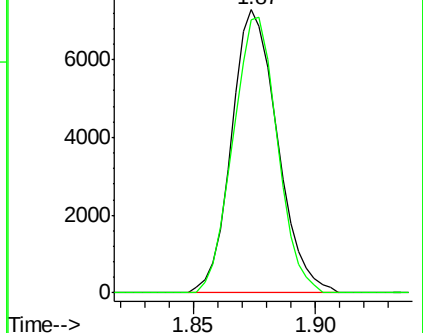
94 100

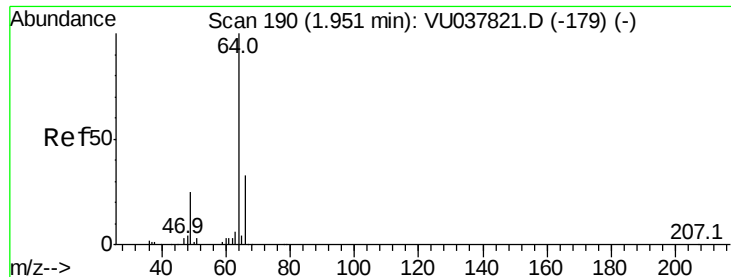
96 96.5 66.0 122.6



Abundance Ion 94.00 (93.70 to 94.70): VU037819.D (-72) (-)

Ion 96.00 (95.70 to 96.70): VU037819.D (-72) (-)

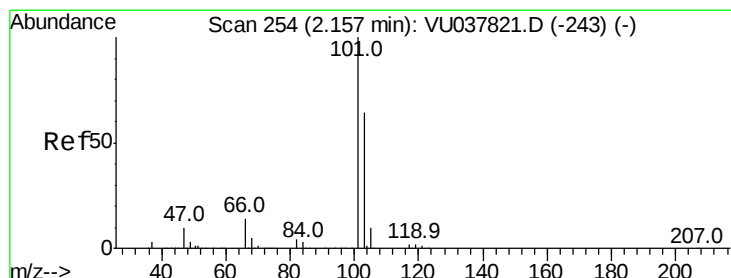
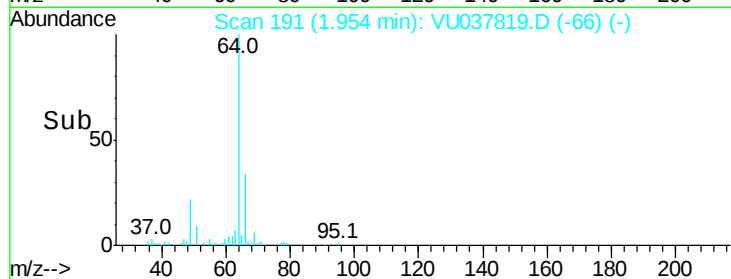
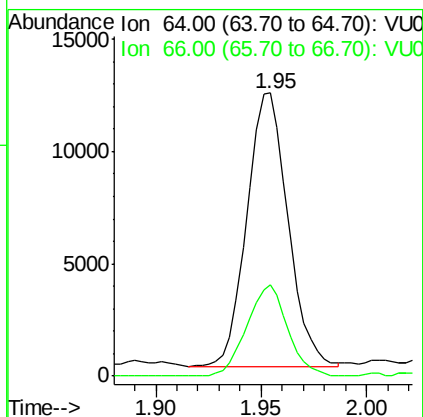
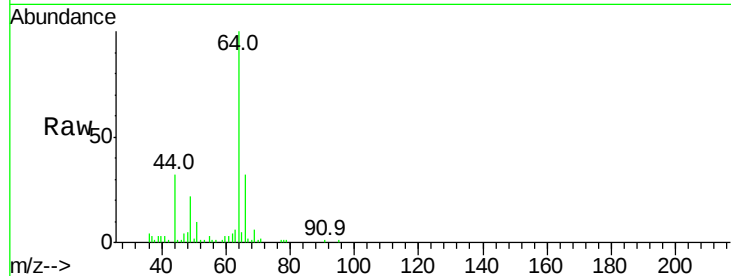




#8
Chloroethane
Concen: 6.792 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU037819.D
Acq: 21 Apr 2020 12:16

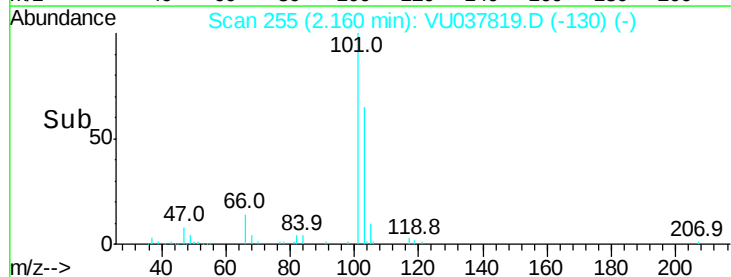
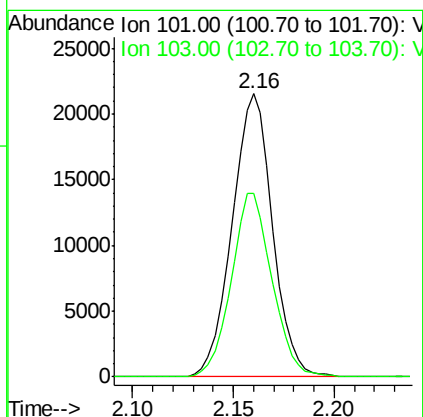
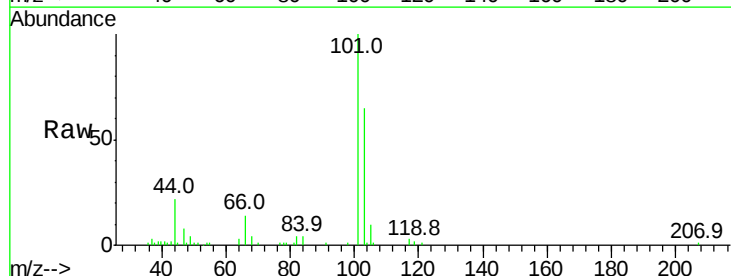
Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

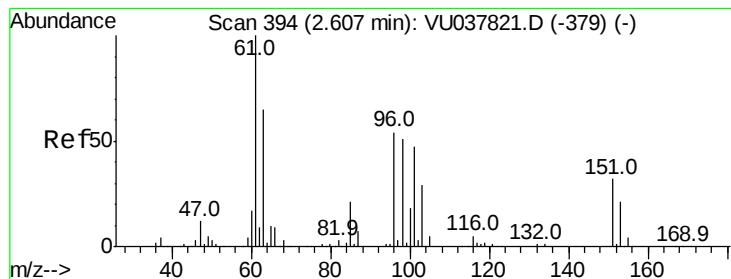
Tgt Ion: 64 Resp: 16459
Ion Ratio Lower Upper
64 100
66 32.2 22.6 42.0



#9
Trichlorofluoromethane
Concen: 6.844 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU037819.D
Acq: 21 Apr 2020 12:16

Tgt Ion: 101 Resp: 30169
Ion Ratio Lower Upper
101 100
103 65.4 51.7 77.5





#10

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

Concen: 6.710 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037819.D

Acq: 21 Apr 2020 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

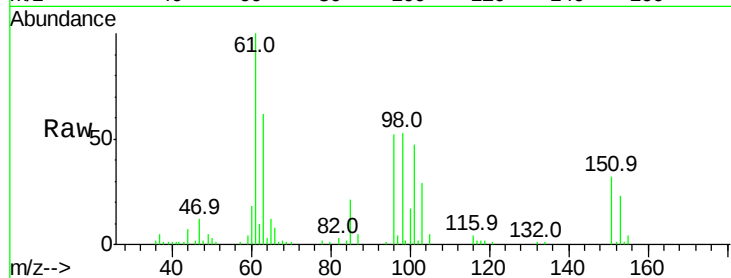
Tgt Ion: 101 Resp: 18008

Ion Ratio Lower Upper

101 100

85 44.9 35.3 52.9

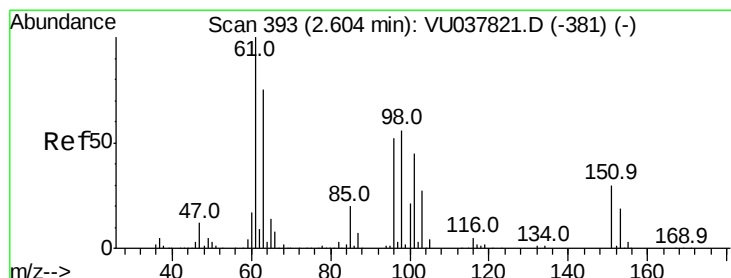
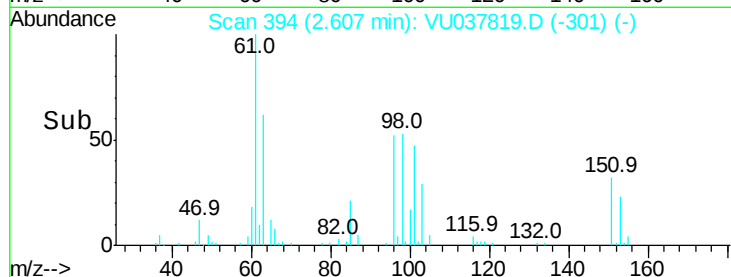
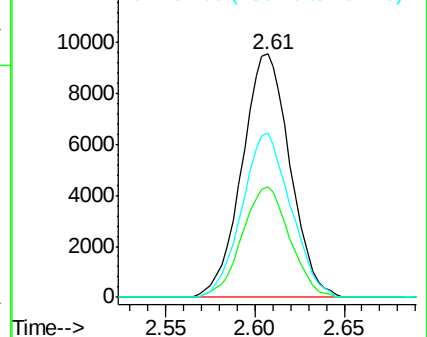
151 68.5 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): VU037819.D (-301) (-)

Ion 85.00 (84.70 to 85.70): VU037819.D (-301) (-)

Ion 151.00 (150.70 to 151.70): VU037819.D (-301) (-)



#12

1,1-Dichloroethene

Concen: 6.351 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037819.D

Acq: 21 Apr 2020 12:16

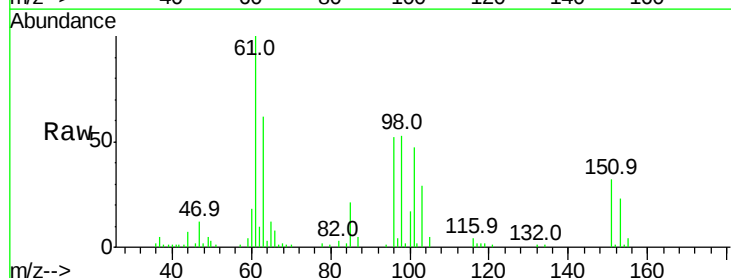
Tgt Ion: 96 Resp: 17285

Ion Ratio Lower Upper

96 100

61 193.0 134.5 249.7

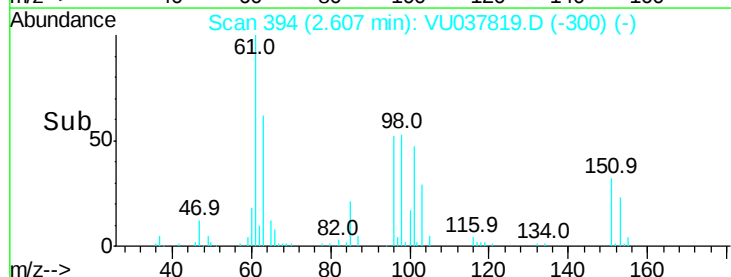
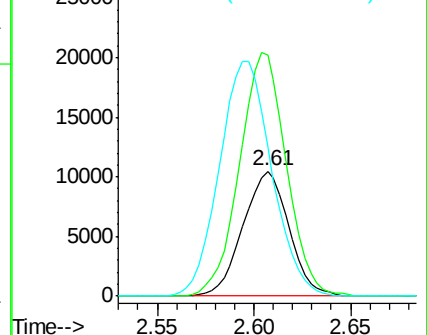
63 119.6 106.6 198.0

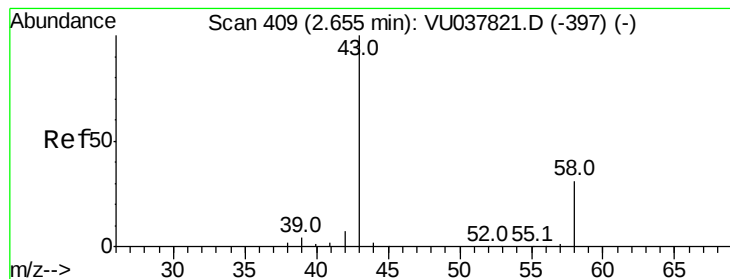


Abundance Ion 96.00 (95.70 to 96.70): VU037819.D (-300) (-)

Ion 61.00 (60.70 to 61.70): VU037819.D (-300) (-)

Ion 63.00 (62.70 to 63.70): VU037819.D (-300) (-)





#13

Acetone

Concen: 15.554 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037819.D

Acq: 21 Apr 2020 12:16

Instrument :

MSVOA_U

ClientSampleId :

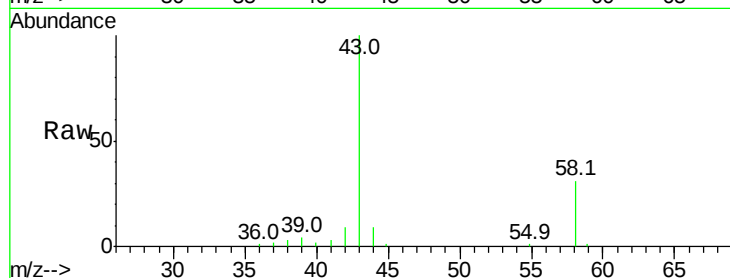
VSTD00532

Tgt Ion: 43 Resp: 27700

Ion Ratio Lower Upper

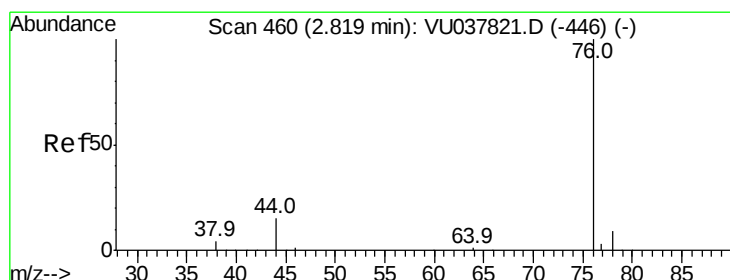
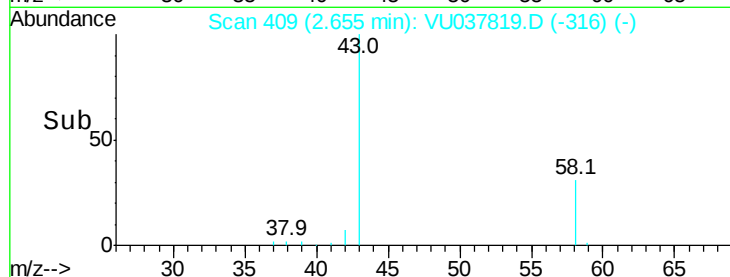
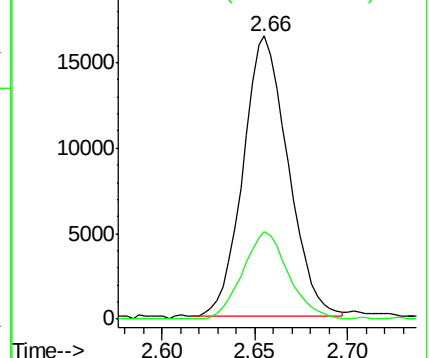
43 100

58 31.6 0.0 63.0



Abundance Ion 43.00 (42.70 to 43.70): VU037819.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VU037819.D (-316) (-)



#14

Carbon disulfide

Concen: 6.231 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU037819.D

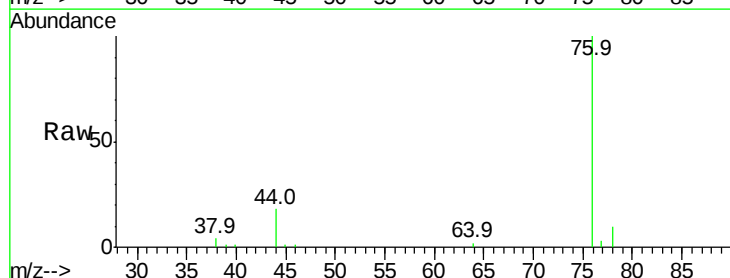
Acq: 21 Apr 2020 12:16

Tgt Ion: 76 Resp: 58097

Ion Ratio Lower Upper

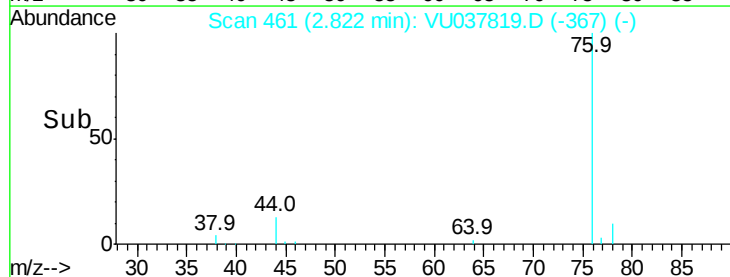
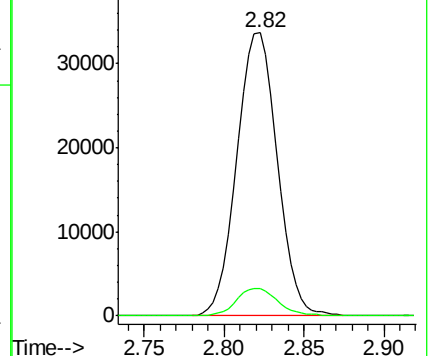
76 100

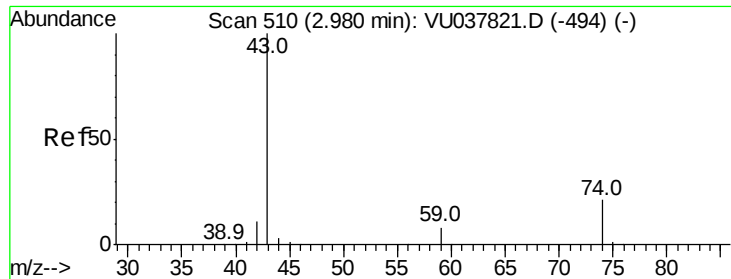
78 9.6 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU037819.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU037819.D (-367) (-)

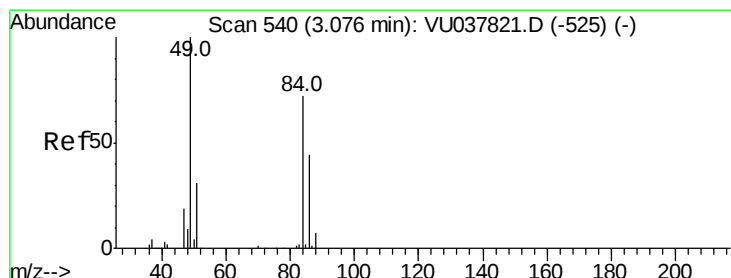
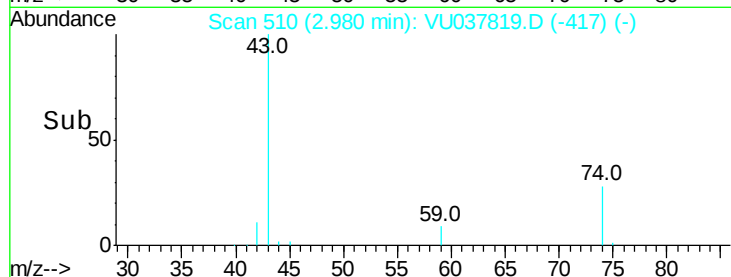
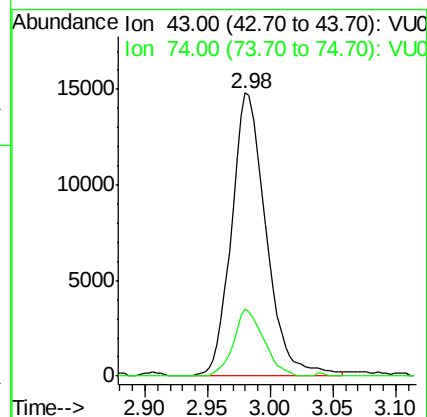
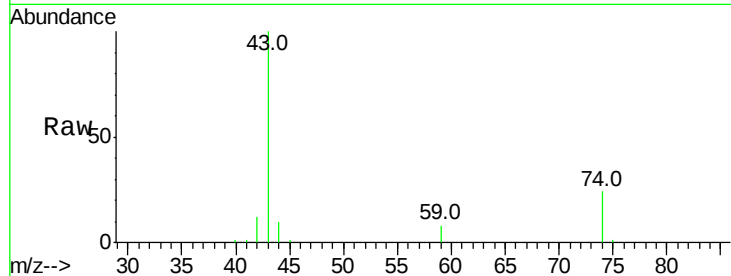




#15
Methyl Acetate
Concen: 6.710 ug/L
RT: 2.98 min Scan# 510
Delta R.T. 0.00 min
Lab File: VU037819.D
Acq: 21 Apr 2020 12:16

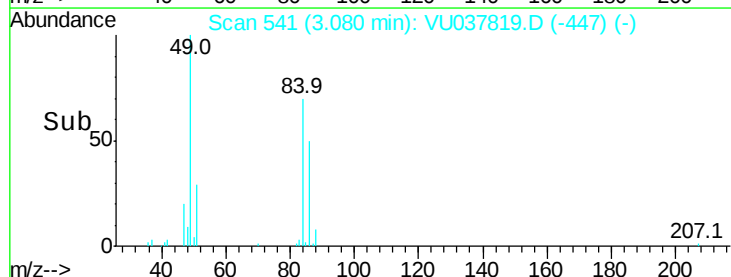
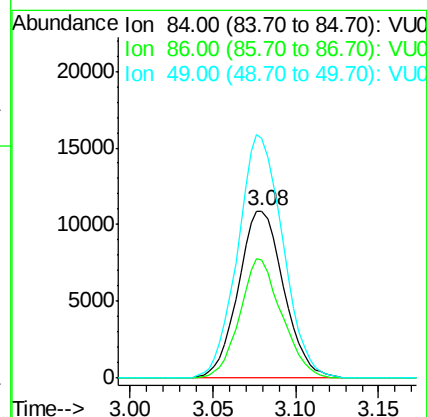
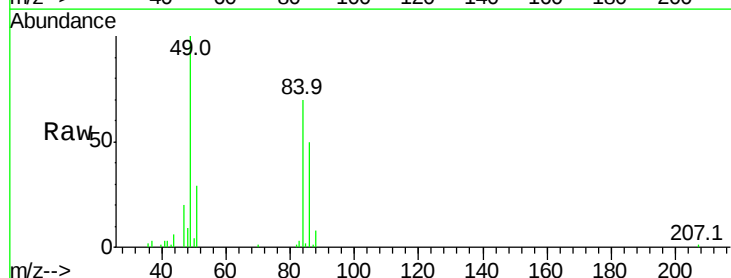
Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

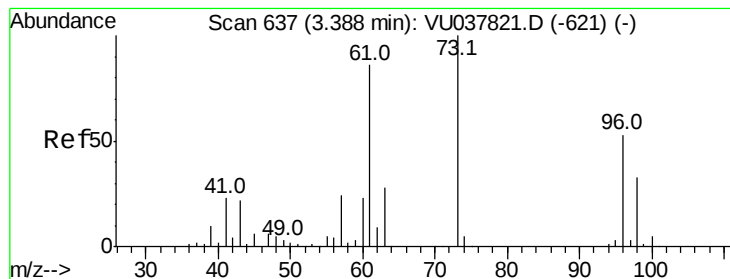
Tgt Ion: 43 Resp: 28420
Ion Ratio Lower Upper
43 100
74 20.6 16.6 24.8



#16
Methylene chloride
Concen: 6.706 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU037819.D
Acq: 21 Apr 2020 12:16

Tgt Ion: 84 Resp: 20850
Ion Ratio Lower Upper
84 100
86 71.0 43.2 80.2
49 143.2 97.8 181.6





#17

trans-1,2-Dichloroethene

Concen: 6.758 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU037819.D

Acq: 21 Apr 2020 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

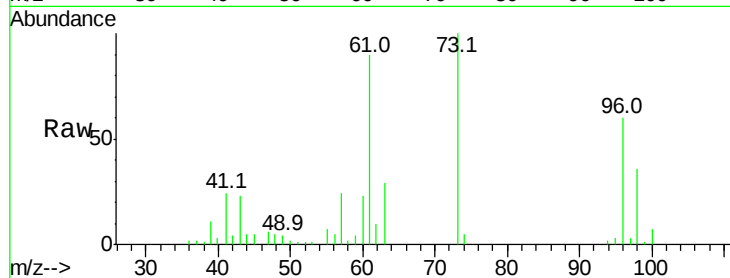
Tgt Ion: 96 Resp: 19731

Ion Ratio Lower Upper

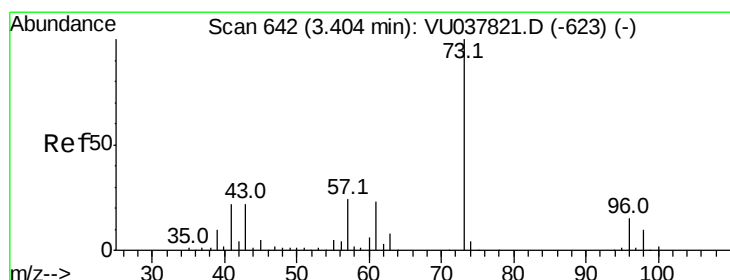
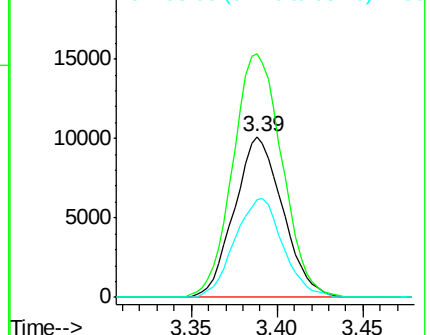
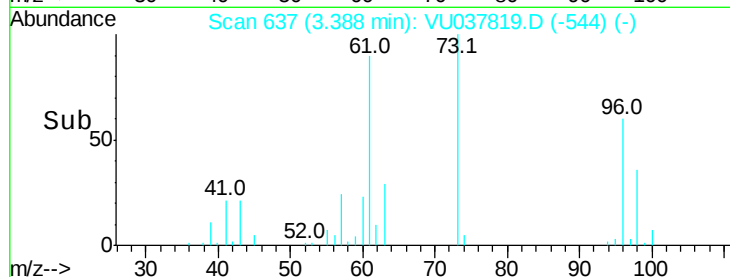
96 100

61 151.4 113.1 210.1

98 60.6 43.5 80.7



Abundance Ion 96.00 (95.70 to 96.70): VU037819.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 6.665 ug/L

RT: 3.40 min Scan# 642

Delta R.T. 0.00 min

Lab File: VU037819.D

Acq: 21 Apr 2020 12:16

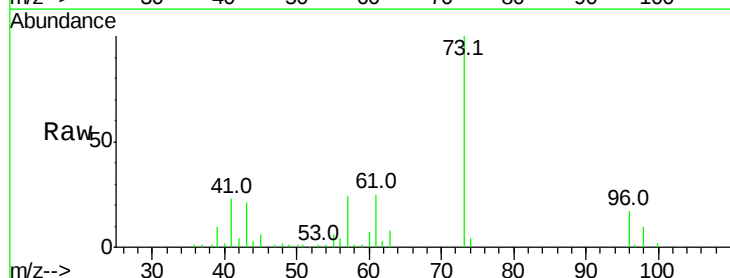
Tgt Ion: 73 Resp: 67182

Ion Ratio Lower Upper

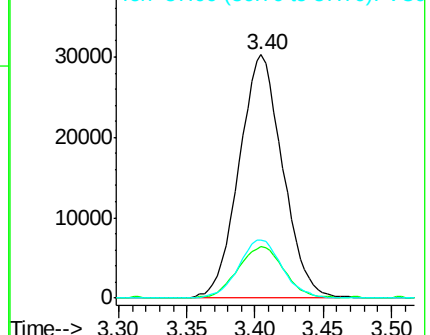
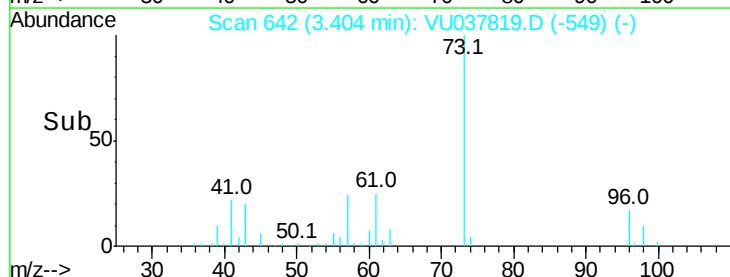
73 100

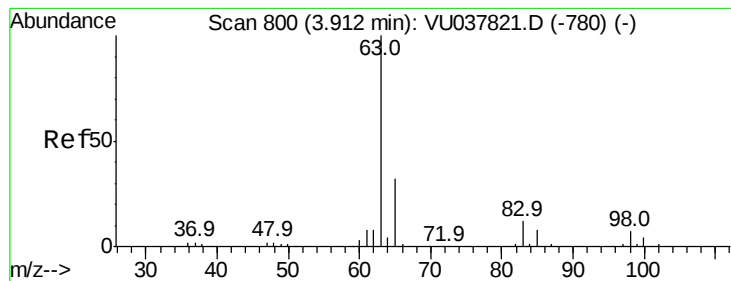
43 22.4 17.2 25.8

57 23.8 18.9 28.3



Abundance Ion 73.00 (72.70 to 73.70): VU037819.D (-549) (-)





#19

1,1-Dichloroethane

Concen: 6.882 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU037819.D

Acq: 21 Apr 2020 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

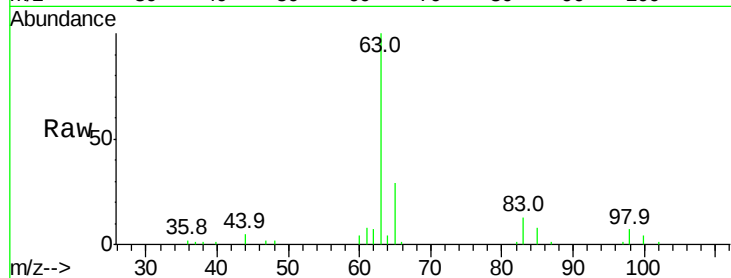
Tgt Ion: 63 Resp: 39396

Ion Ratio Lower Upper

63 100

65 29.3 22.3 41.5

83 13.1 8.7 16.1

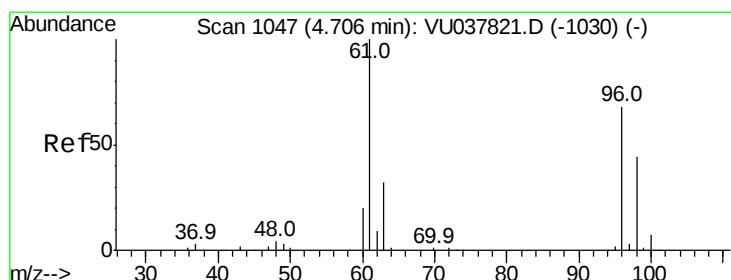
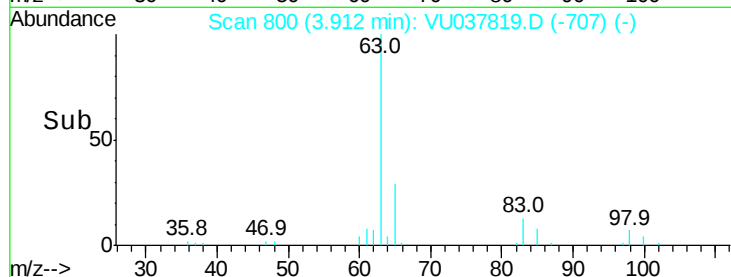


Abundance Ion 63.00 (62.70 to 63.70): VU037819.D (-780) (-)

Ion 65.00 (64.70 to 65.70): VU037819.D (-780) (-)

Ion 83.00 (82.70 to 83.70): VU037819.D (-780) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 6.640 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037819.D

Acq: 21 Apr 2020 12:16

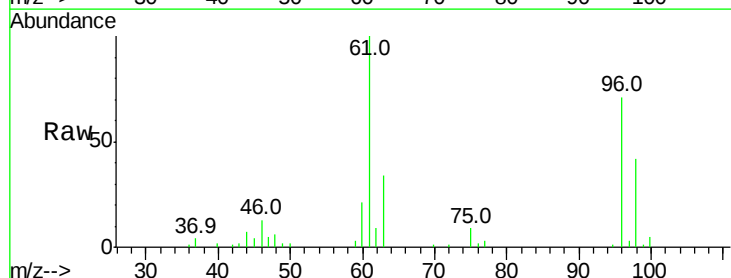
Tgt Ion: 96 Resp: 21317

Ion Ratio Lower Upper

96 100

61 141.3 102.6 190.5

68 0.0 0.0 0.0

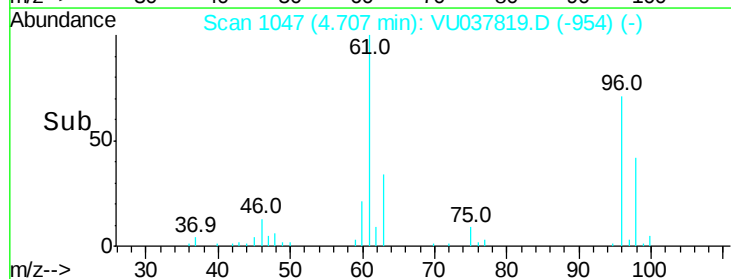


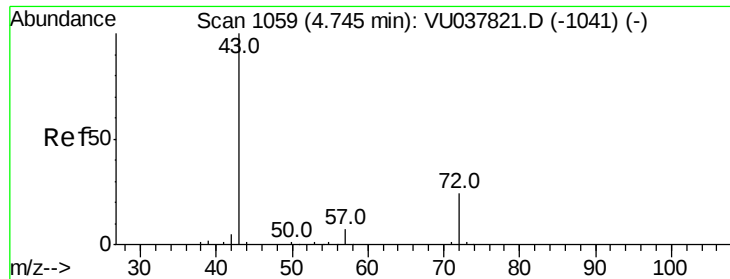
Abundance Ion 96.00 (95.70 to 96.70): VU037819.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU037819.D (-954) (-)

Ion 68.00 (67.70 to 68.70): VU037819.D (-954) (-)

Time-->





#22

2-Butanone

Concen: 13.492 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VU037819.D

Acq: 21 Apr 2020 12:16

Instrument :

MSVOA_U

ClientSampleId :

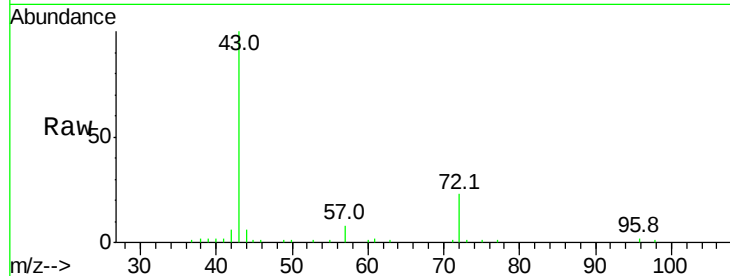
VSTD00532

Tgt Ion: 43 Resp: 42057

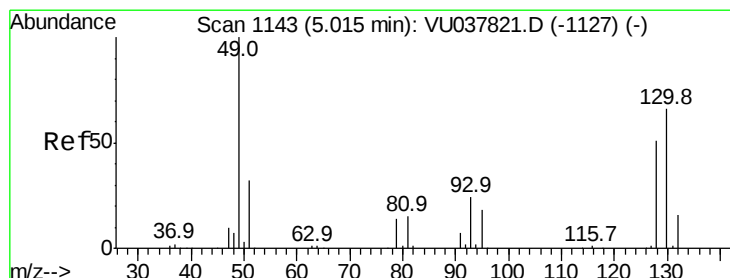
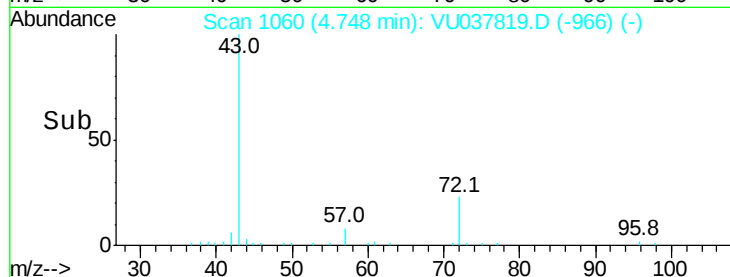
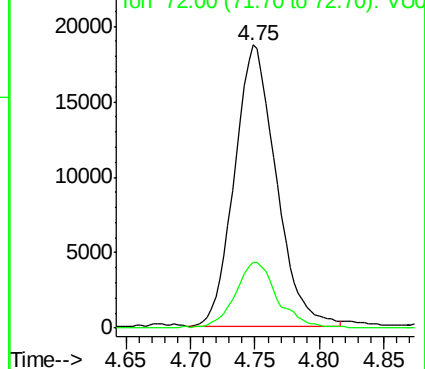
Ion Ratio Lower Upper

43 100

72 22.6 12.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU037819.D (-1060) (-)



#23

Bromochloromethane

Concen: 6.488 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037819.D

Acq: 21 Apr 2020 12:16

Tgt Ion: 128 Resp: 10152

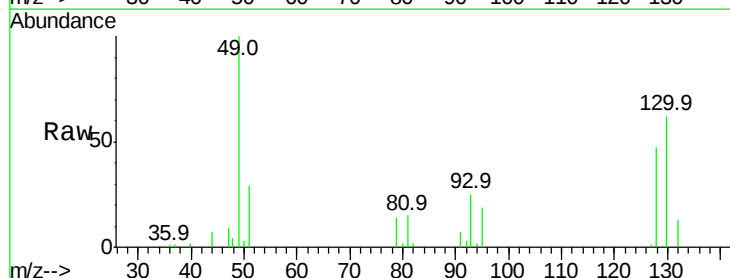
Ion Ratio Lower Upper

128 100

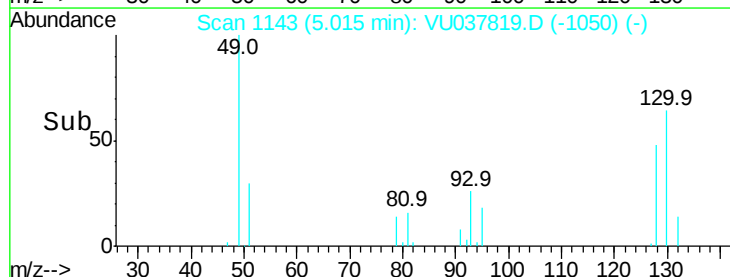
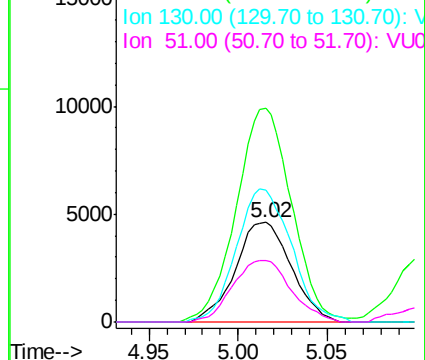
49 214.1 138.3 256.9

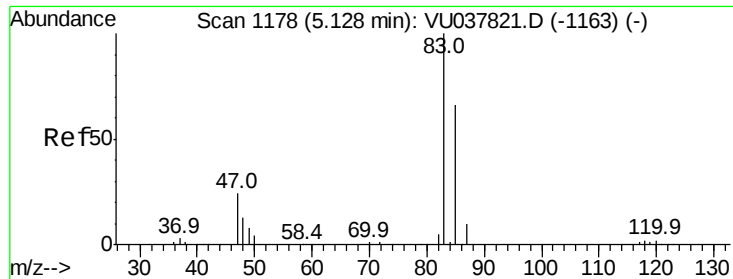
130 132.3 91.1 169.1

51 61.4 50.4 75.6



Abundance Ion 128.00 (127.70 to 128.70): VU037819.D (-1143) (-)





#25

Chloroform

Concen: 6.947 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VU037819.D

Acq: 21 Apr 2020 12:16

Instrument :

MSVOA_U

ClientSampleId :

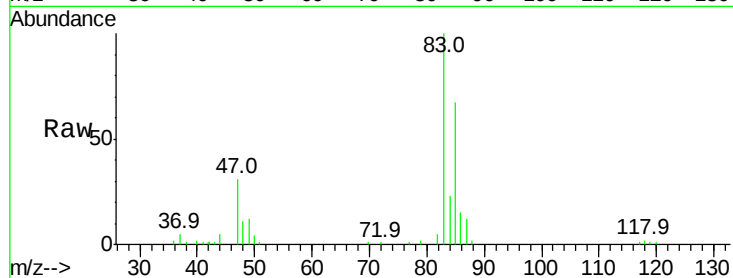
VSTD00532

Tgt Ion: 83 Resp: 37416

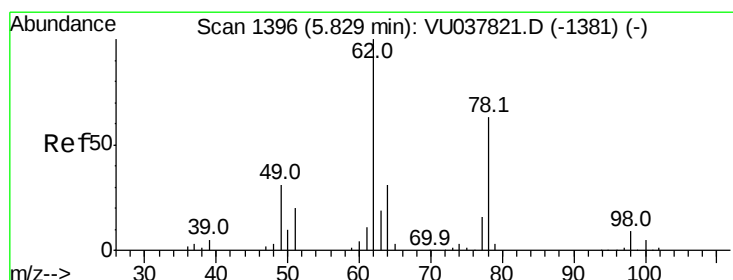
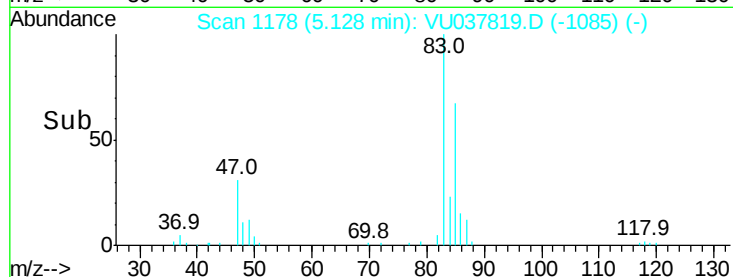
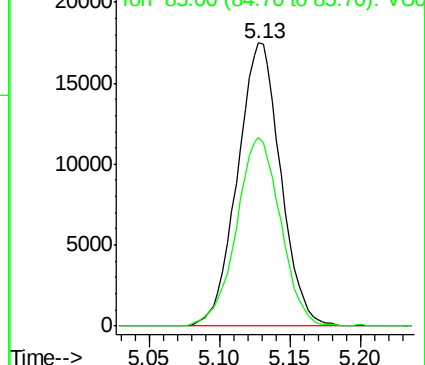
Ion Ratio Lower Upper

83 100

85 66.7 46.9 87.1



Abundance Ion 83.00 (82.70 to 83.70): VU037819.D (-1085) (-)



#27

1,2-Dichloroethane

Concen: 7.202 ug/L

RT: 5.83 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VU037819.D

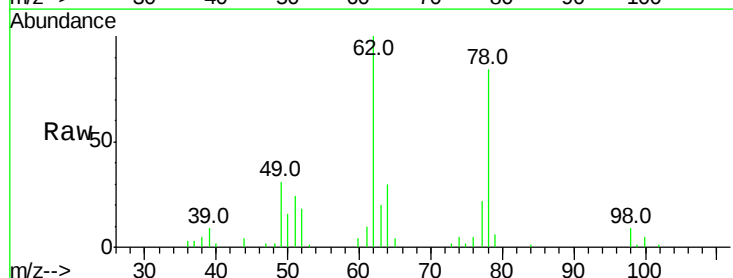
Acq: 21 Apr 2020 12:16

Tgt Ion: 62 Resp: 32084

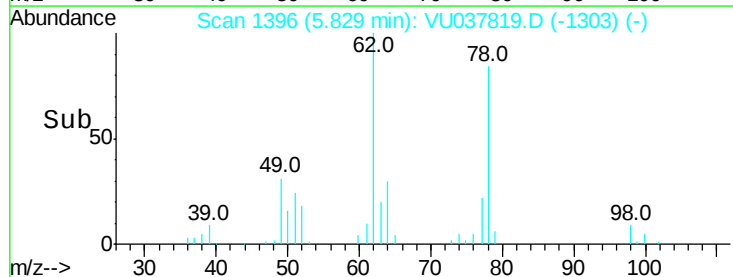
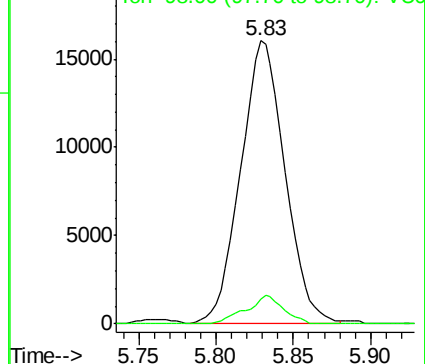
Ion Ratio Lower Upper

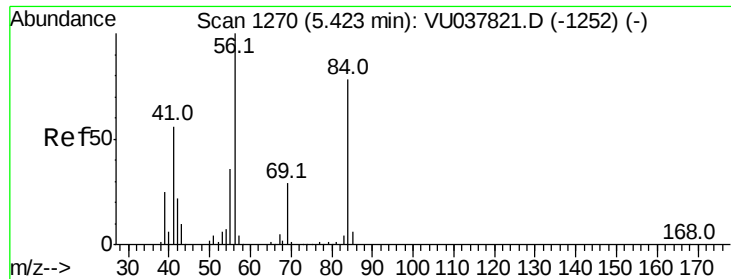
62 100

98 8.7 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VU037819.D (-1303) (-)

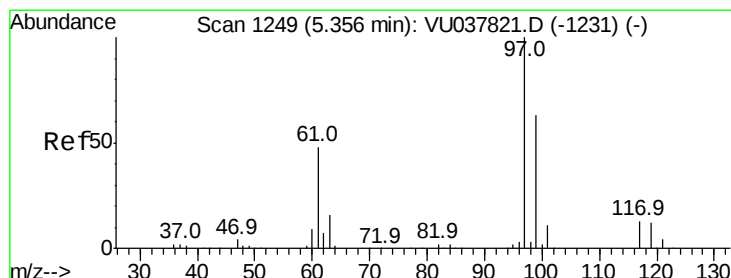
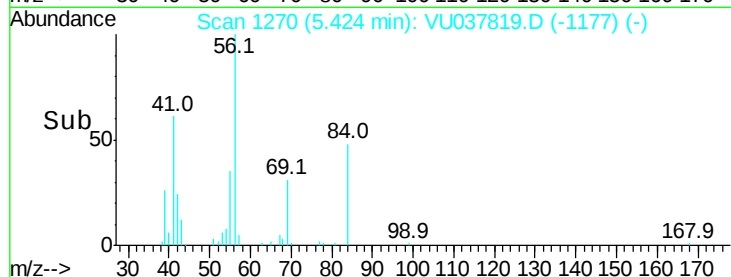
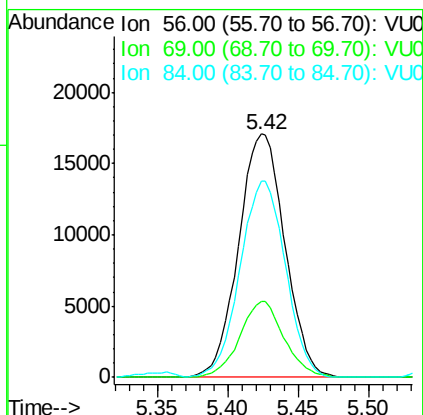
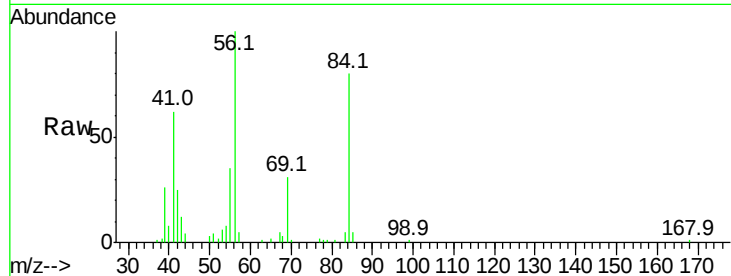




#29
Cyclohexane
Concen: 6.934 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU037819.D
Acq: 21 Apr 2020 12:16

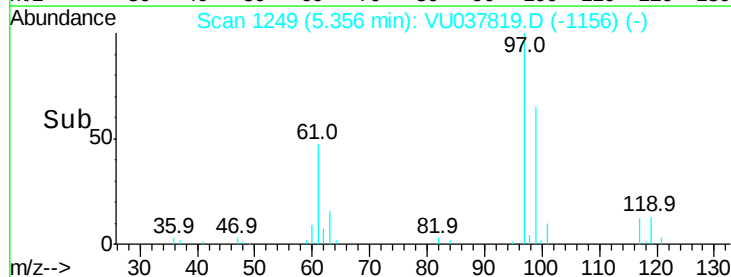
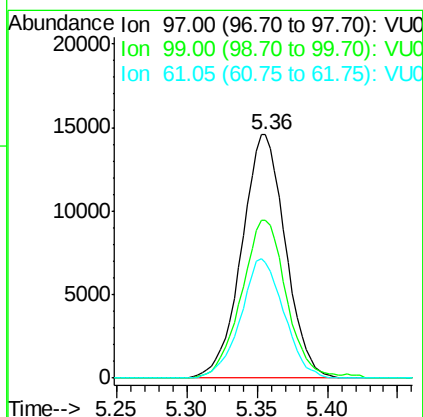
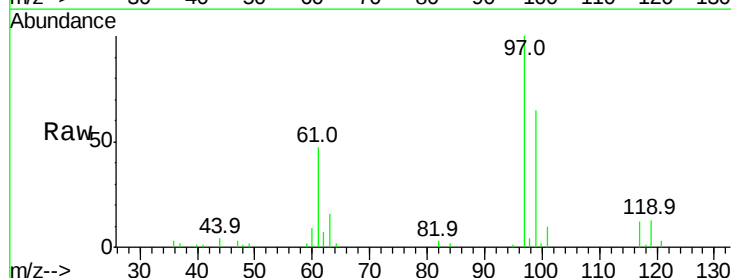
Instrument :
MSVOA_U
ClientSampled :
VSTD00532

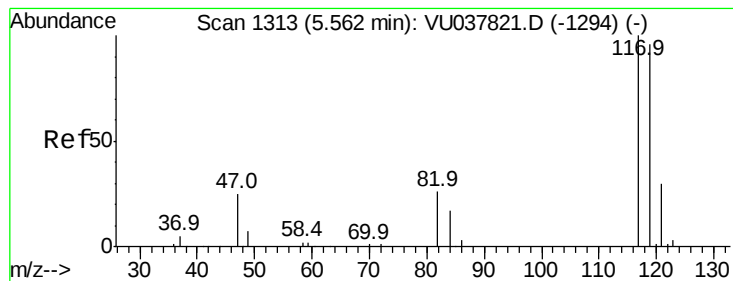
Tgt Ion: 56 Resp: 39195
Ion Ratio Lower Upper
56 100
69 29.9 23.3 34.9
84 79.2 63.8 95.8



#30
1,1,1-Trichloroethane
Concen: 6.775 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU037819.D
Acq: 21 Apr 2020 12:16

Tgt Ion: 97 Resp: 31564
Ion Ratio Lower Upper
97 100
99 66.4 50.7 76.1
61 48.4 38.3 57.5





#31

Carbon tetrachloride

Concen: 6.578 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037819.D

Acq: 21 Apr 2020 12:16

Instrument :

MSVOA_U

ClientSampleId :

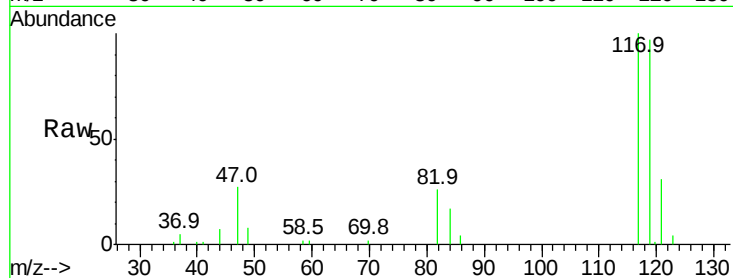
VSTD00532

Tgt Ion:117 Resp: 24878

Ion Ratio Lower Upper

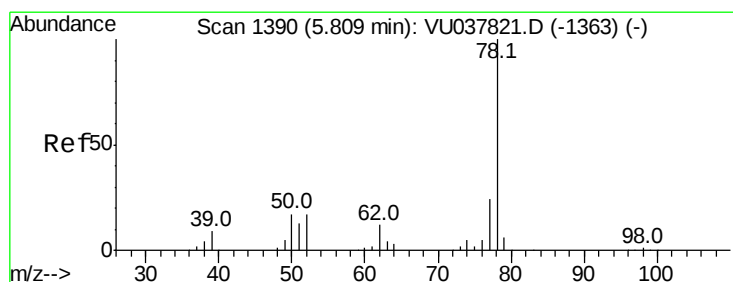
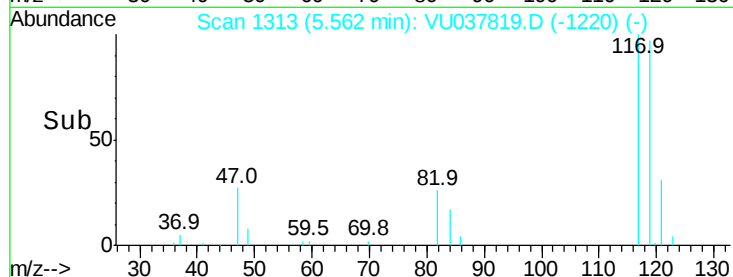
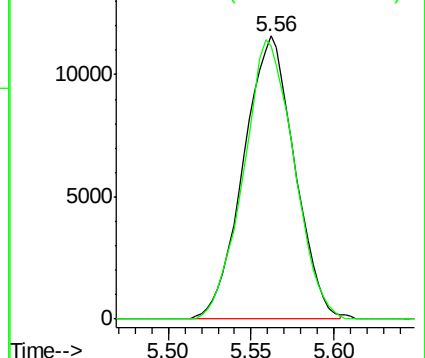
117 100

119 97.2 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 6.749 ug/L

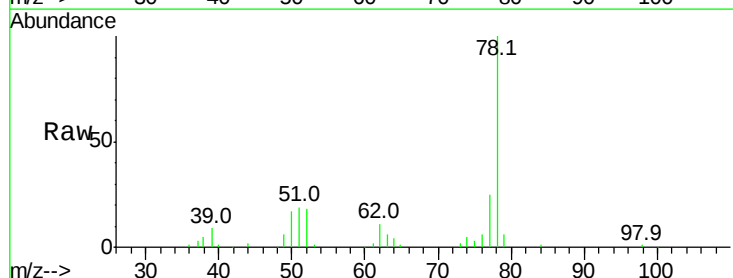
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

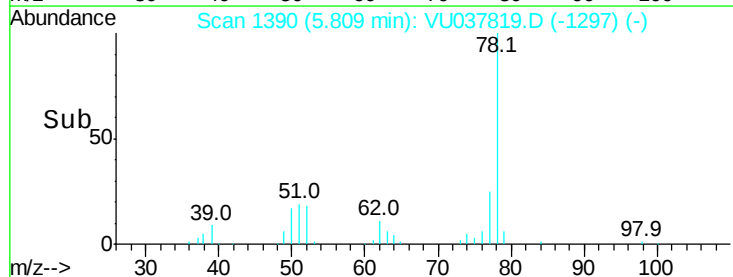
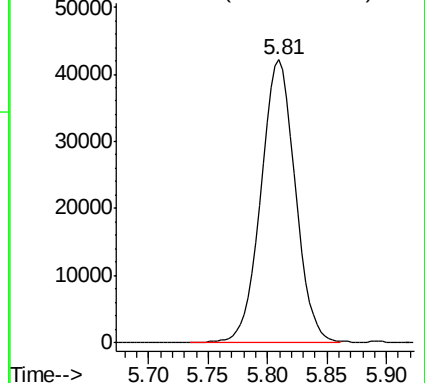
Lab File: VU037819.D

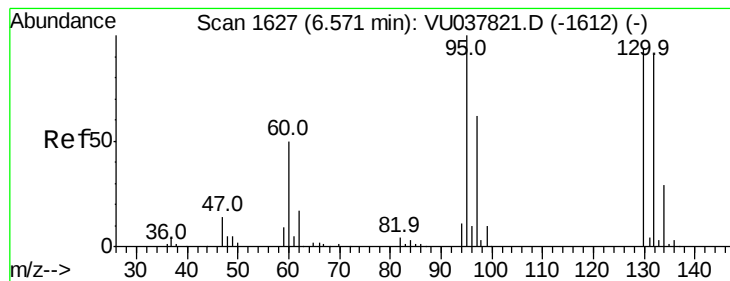
Acq: 21 Apr 2020 12:16

Tgt Ion: 78 Resp: 84421



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 6.802 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU037819.D

Acq: 21 Apr 2020 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

Tgt Ion: 95 Resp: 20946

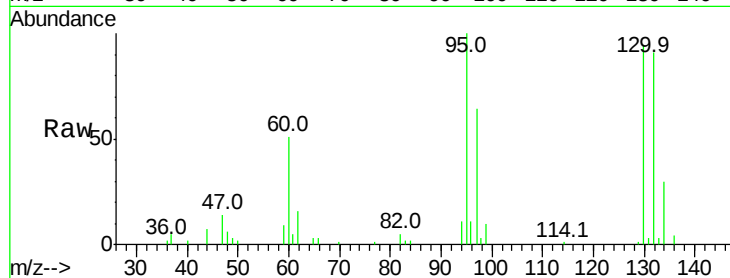
Ion Ratio Lower Upper

95 100

97 63.6 43.1 80.1

132 91.2 63.6 118.2

130 93.6 65.5 121.6

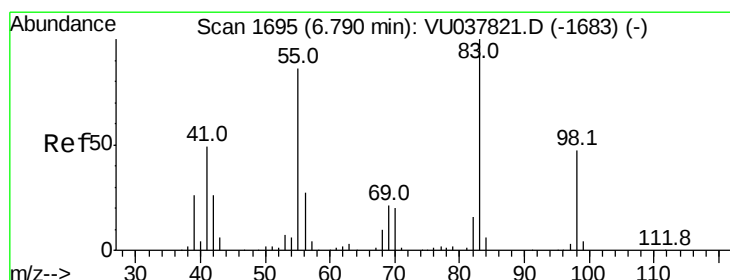
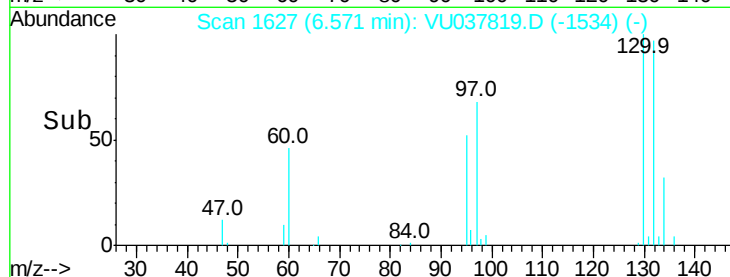
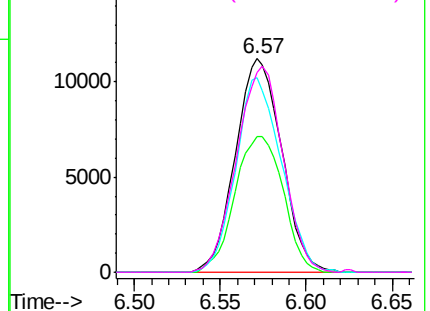


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 6.830 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU037819.D

Acq: 21 Apr 2020 12:16

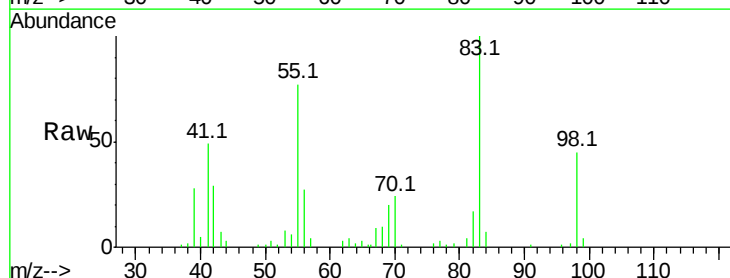
Tgt Ion: 83 Resp: 37316

Ion Ratio Lower Upper

83 100

55 81.8 67.3 100.9

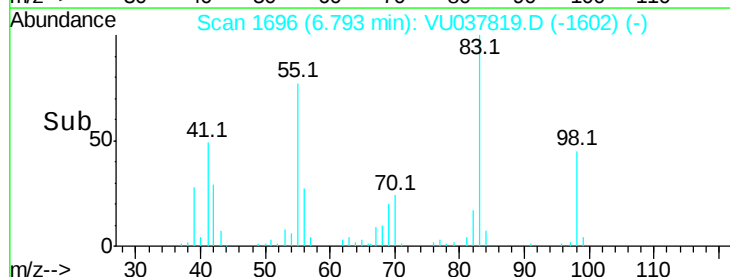
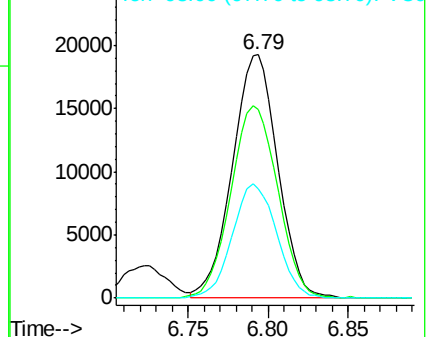
98 45.7 36.9 55.3

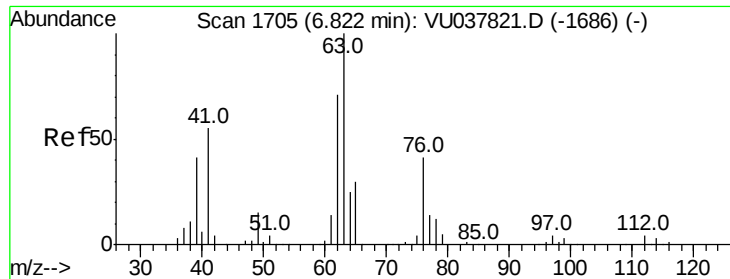


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 6.890 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

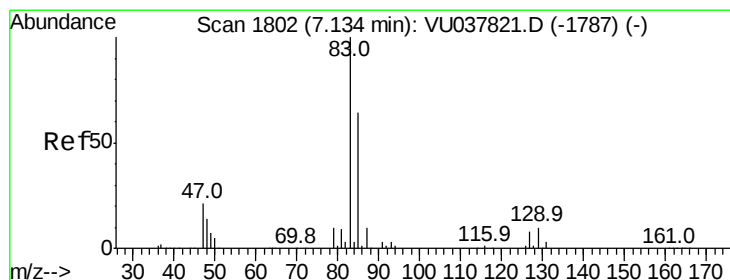
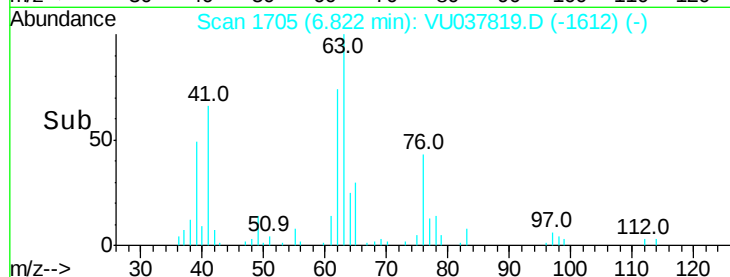
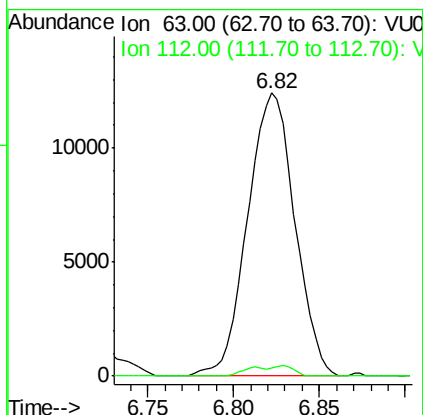
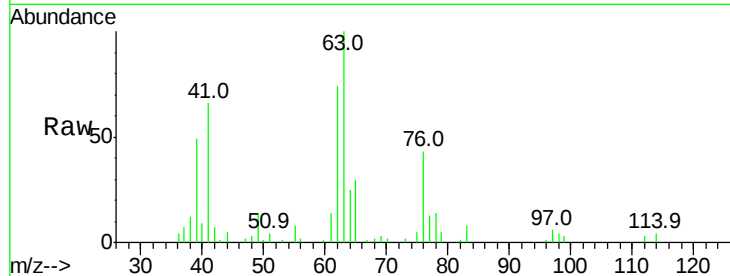
Lab File: VU037819.D

Acq: 21 Apr 2020 12:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

Tgt Ion: 63 Resp: 23684

Ion	Ratio	Lower	Upper
63	100		
112	1.7	3.1	4.7#



#38

Bromodichloromethane

Concen: 6.716 ug/L

RT: 7.13 min Scan# 1802

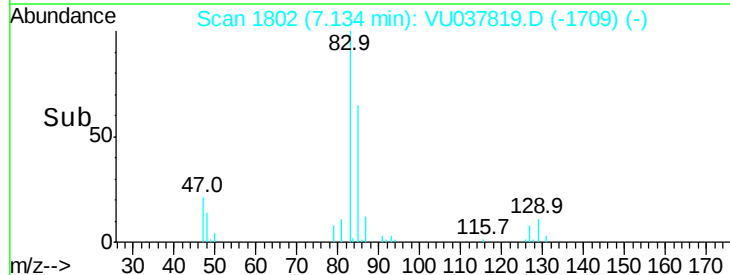
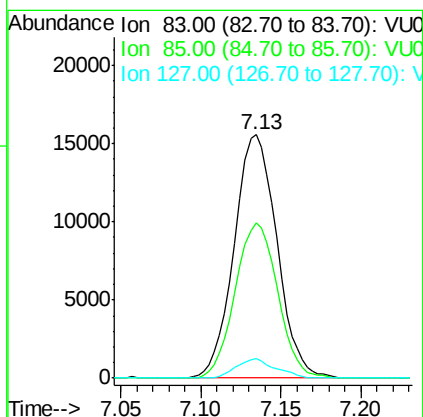
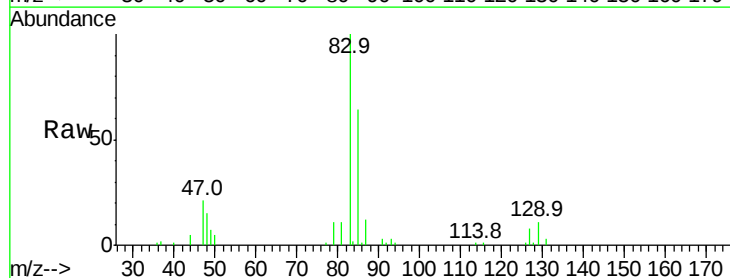
Delta R.T. 0.00 min

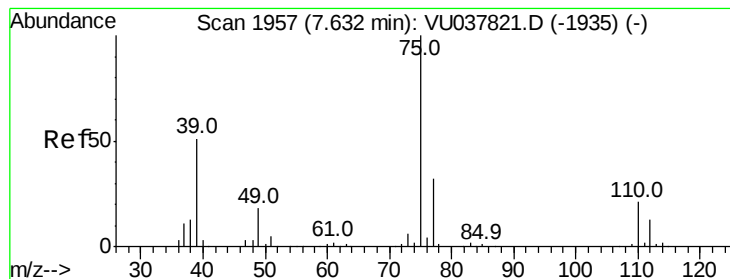
Lab File: VU037819.D

Acq: 21 Apr 2020 12:16

Tgt Ion: 83 Resp: 28419

Ion	Ratio	Lower	Upper
83	100		
85	63.6	44.7	83.1
127	7.9	6.3	9.5



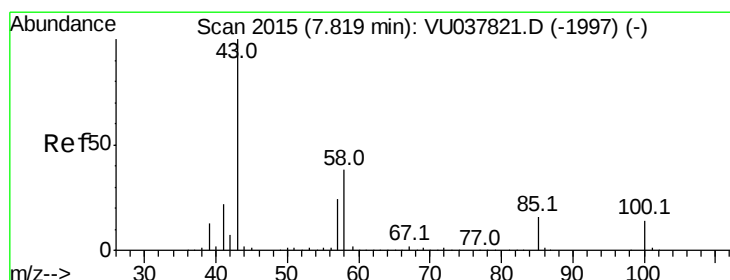
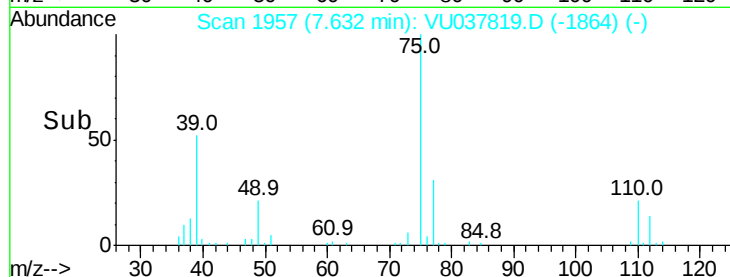
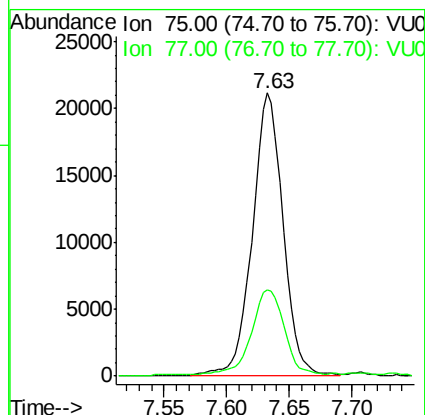
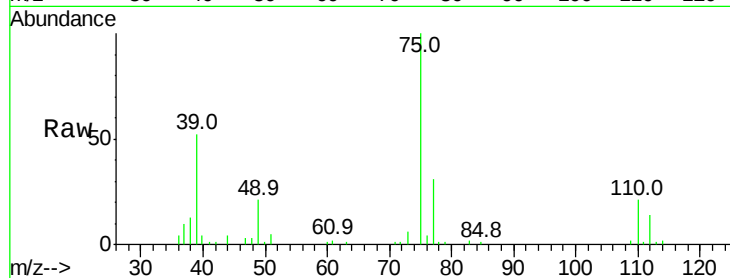


#39

cis-1,3-Dichloropropene
Concen: 6.433 ug/L
RT: 7.63 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU037819.D
Acq: 21 Apr 2020 12:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

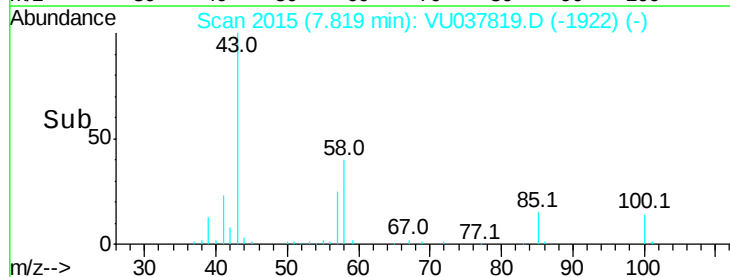
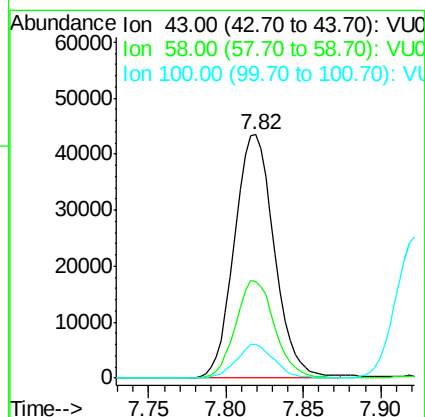
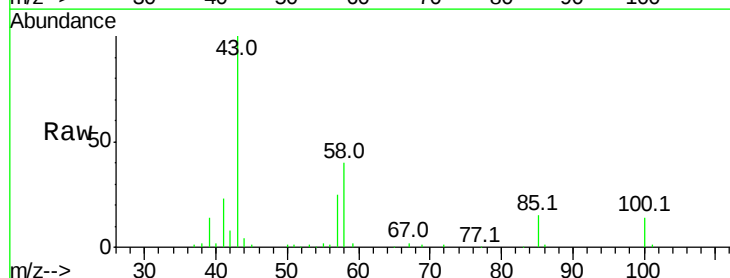
Tgt Ion: 75 Resp: 36195
Ion Ratio Lower Upper
75 100
77 30.6 22.3 41.3

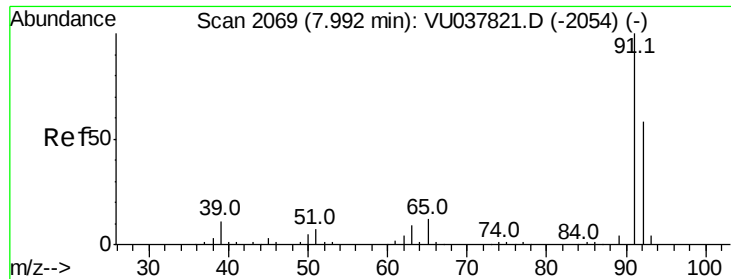


#40

4-Methyl-2-pentanone
Concen: 12.788 ug/L
RT: 7.82 min Scan# 2015
Delta R.T. 0.00 min
Lab File: VU037819.D
Acq: 21 Apr 2020 12:16

Tgt Ion: 43 Resp: 78067
Ion Ratio Lower Upper
43 100
58 39.1 30.5 45.7
100 13.2 11.0 16.4





#42

Toluene

Concen: 6.687 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU037819.D

Acq: 21 Apr 2020 12:16

Instrument :

MSVOA_U

ClientSampleId :

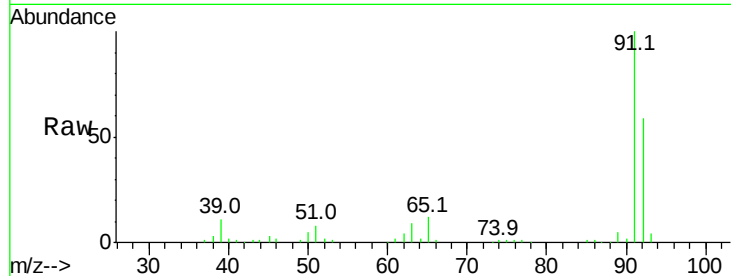
VSTD00532

Tgt Ion: 91 Resp: 88866

Ion Ratio Lower Upper

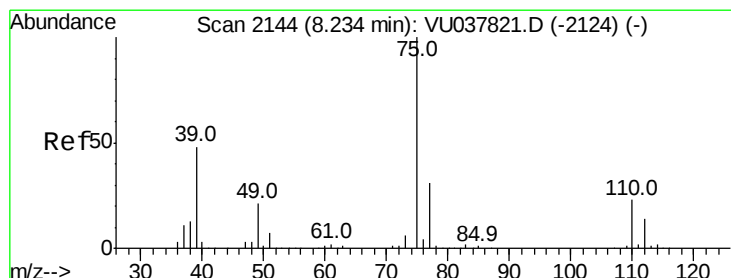
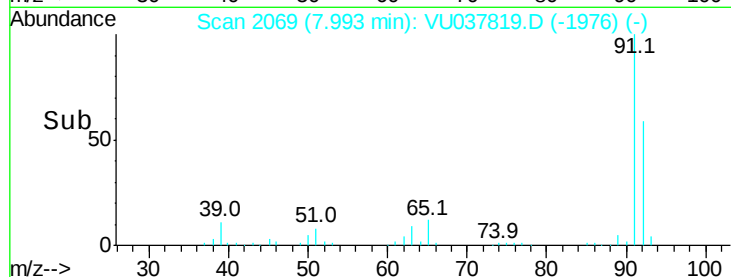
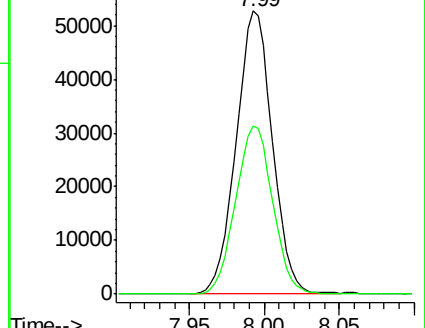
91 100

92 59.5 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VU037819.D (-1976) (-)

Ion 92.00 (91.70 to 92.70): VU037819.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 6.407 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037819.D

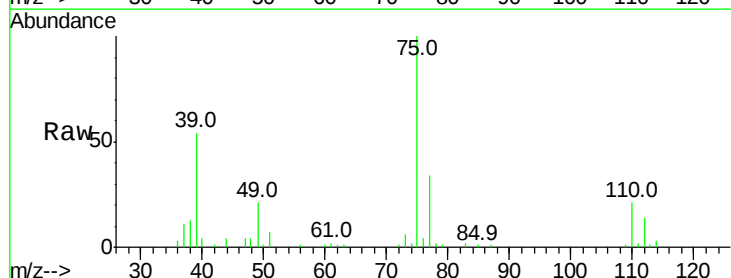
Acq: 21 Apr 2020 12:16

Tgt Ion: 75 Resp: 34943

Ion Ratio Lower Upper

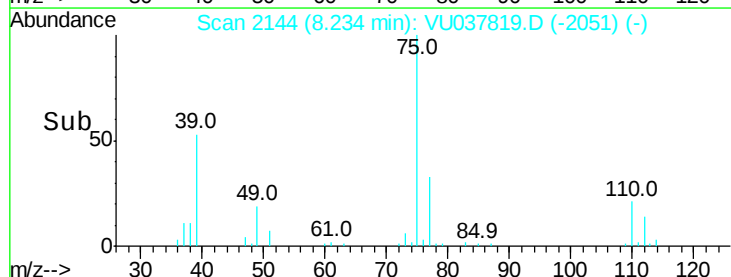
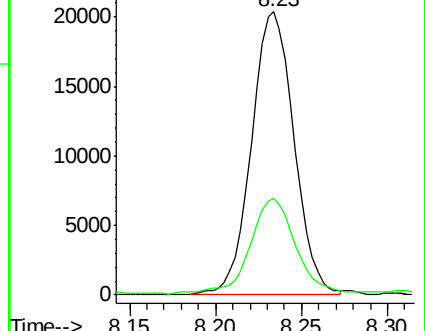
75 100

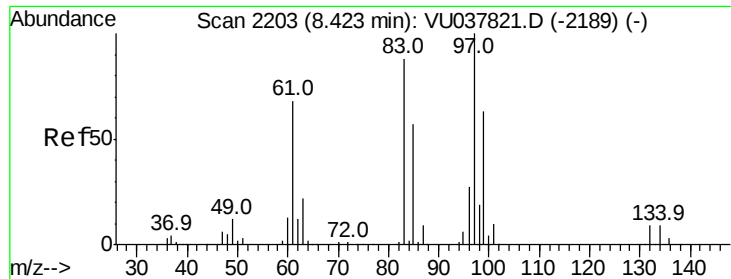
77 34.1 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU037819.D (-2051) (-)

Ion 77.00 (76.70 to 77.70): VU037819.D (-2051) (-)

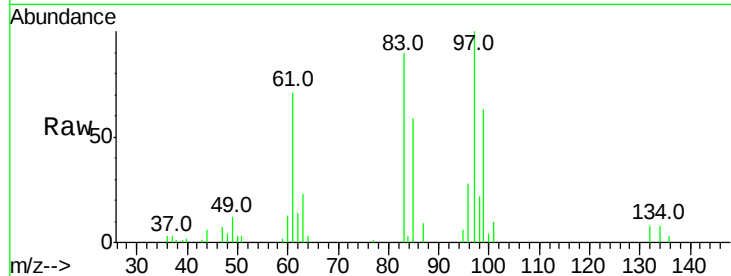




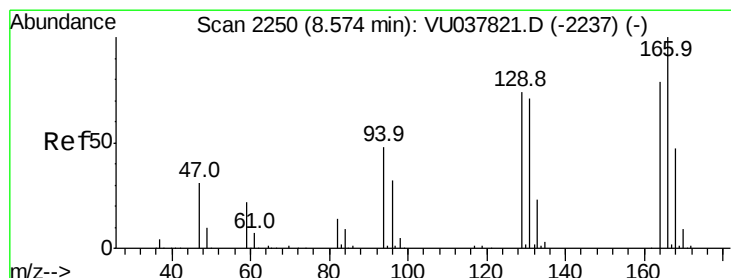
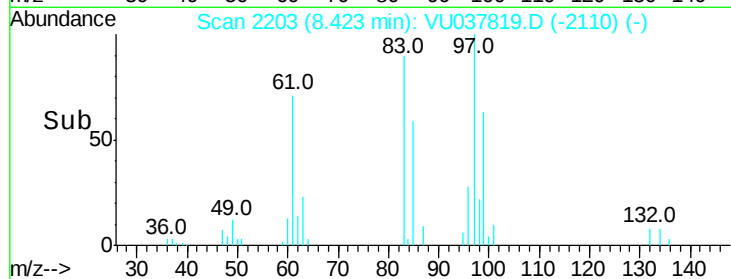
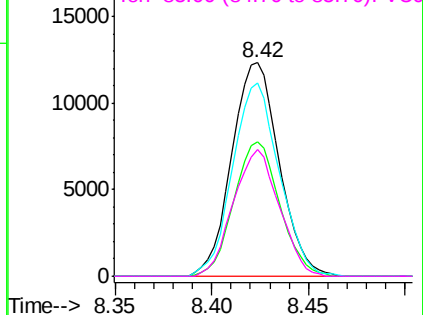
#45
 1,1,2-Trichloroethane
 Concen: 6.858 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU037819.D
 Acq: 21 Apr 2020 12:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

Tgt Ion:	97	Resp:	21033
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.1	81.9
83	90.2	61.6	114.4
85	59.2	40.0	74.2

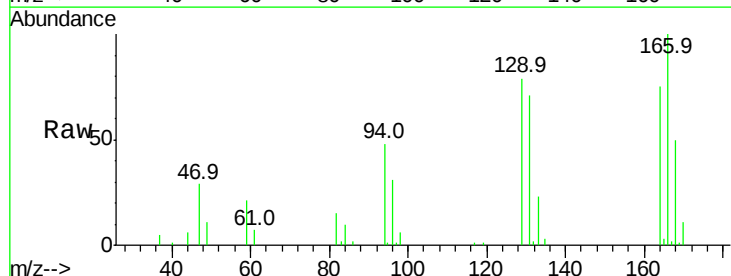


Abundance Ion 97.00 (96.70 to 97.70): VU037819.D (-2189) (-)

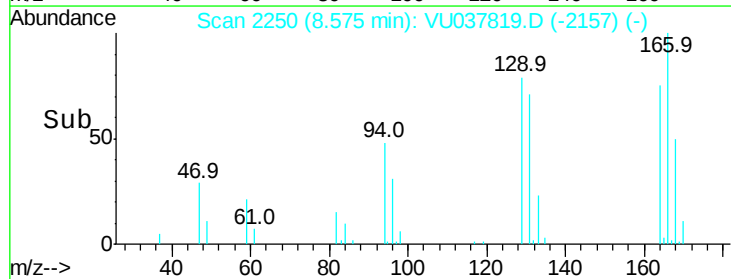
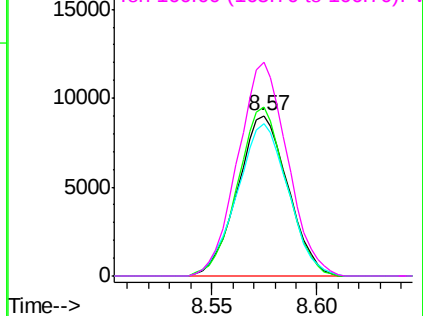


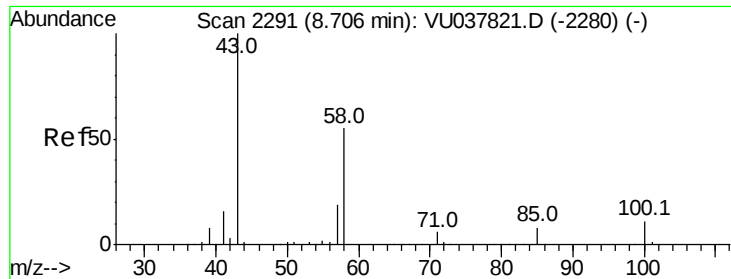
#46
 Tetrachloroethene
 Concen: 6.526 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU037819.D
 Acq: 21 Apr 2020 12:16

Tgt Ion:	164	Resp:	14953
Ion	Ratio	Lower	Upper
164	100		
129	105.2	65.9	122.5
131	94.7	62.9	116.9
166	133.2	88.8	164.8



Abundance Ion 164.00 (163.70 to 164.70): VU037819.D (-2237) (-)

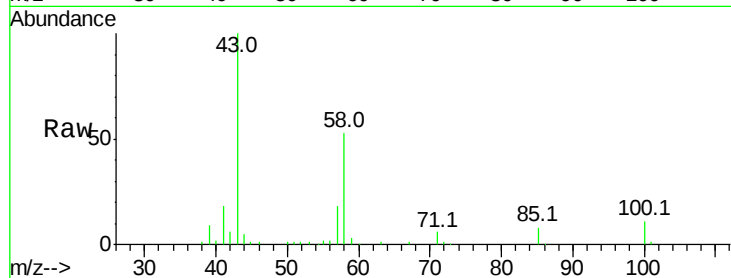




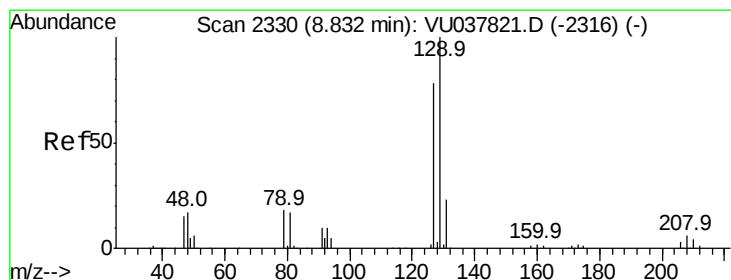
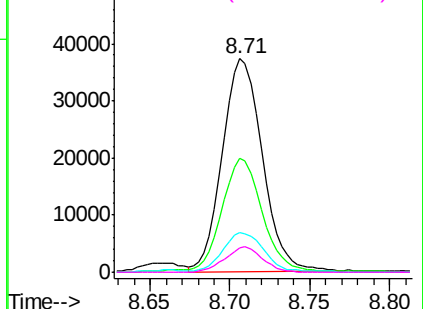
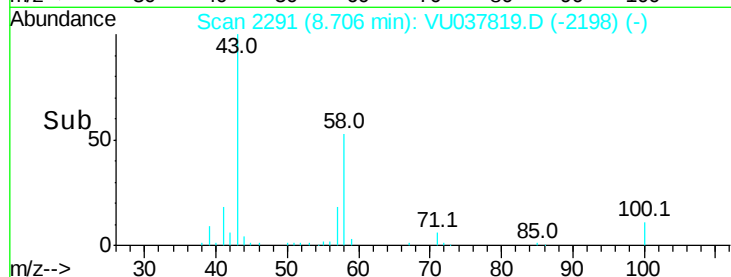
#48
2-Hexanone
Concen: 13.236 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU037819.D
Acq: 21 Apr 2020 12:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

Tgt Ion: 43 Resp: 63800
Ion Ratio Lower Upper
43 100
58 52.7 43.0 64.4
57 19.3 15.1 22.7
100 11.0 8.6 13.0

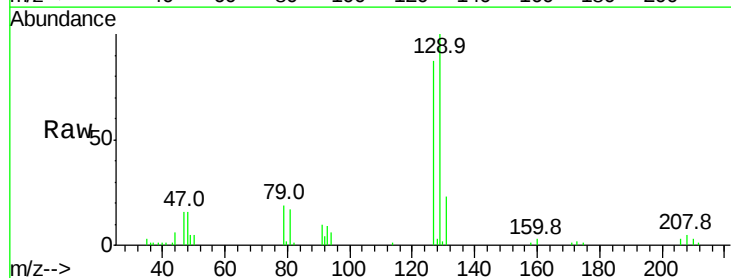


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

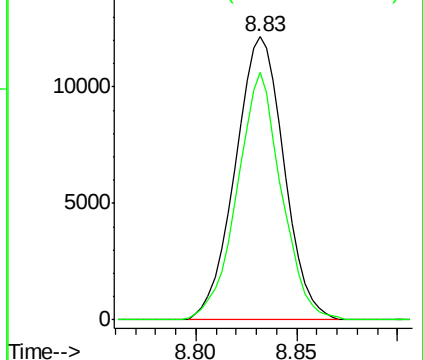
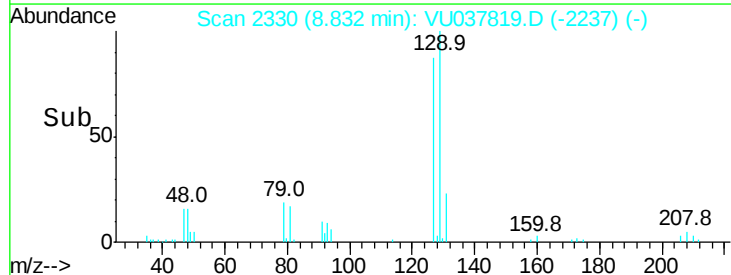


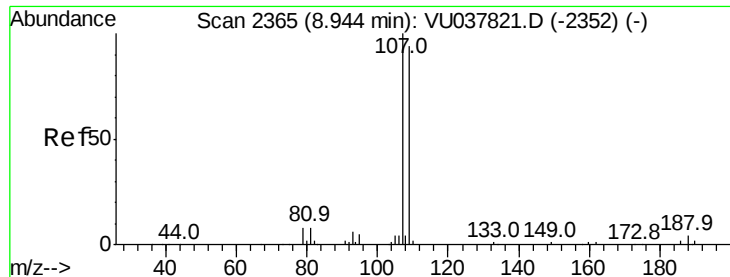
#49
Dibromochloromethane
Concen: 6.262 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU037819.D
Acq: 21 Apr 2020 12:16

Tgt Ion: 129 Resp: 20593
Ion Ratio Lower Upper
129 100
127 87.3 54.5 101.1



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

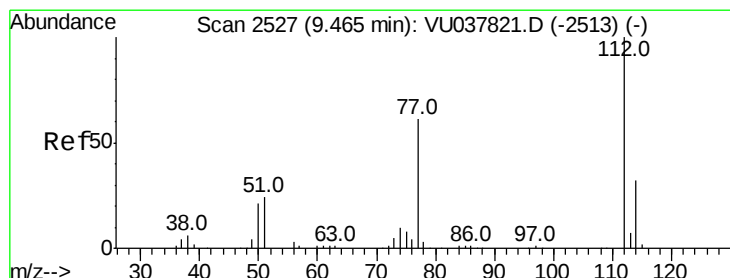
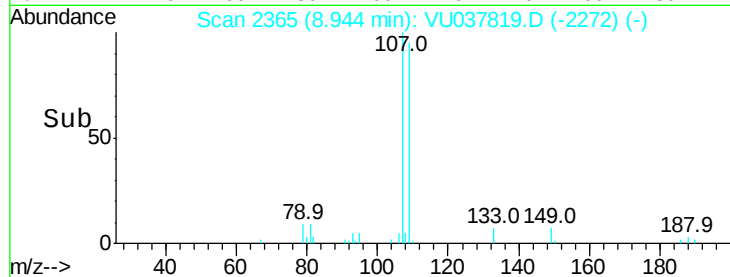
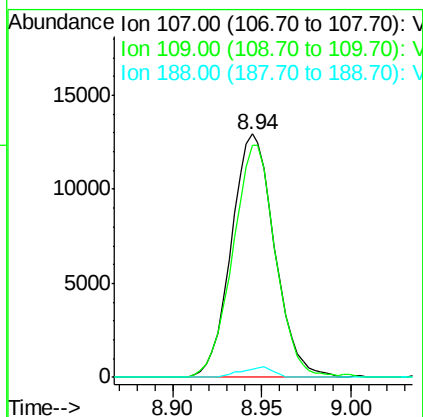
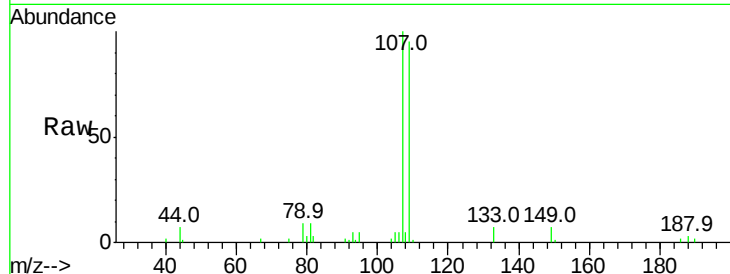




#50
 1,2-Dibromoethane
 Concen: 6.604 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. 0.00 min
 Lab File: VU037819.D
 Acq: 21 Apr 2020 12:16

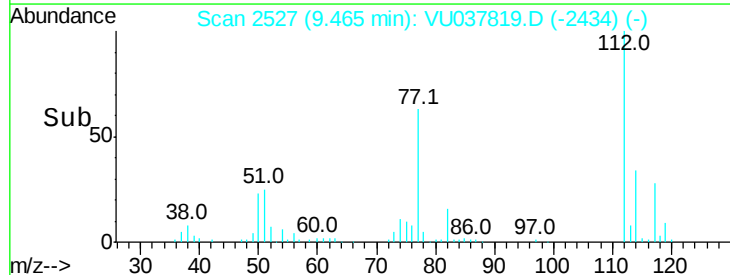
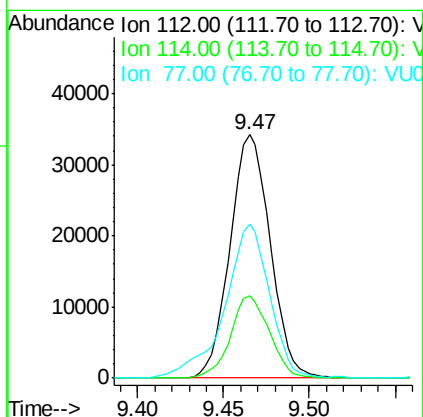
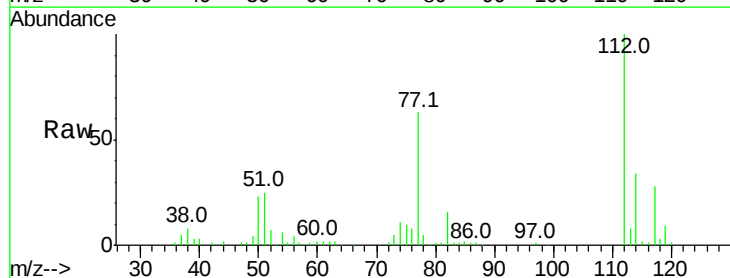
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

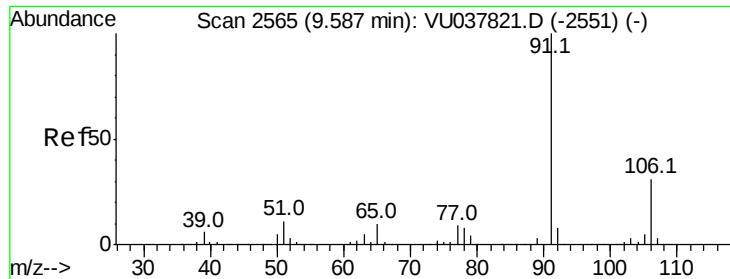
Tgt Ion:107 Resp: 21914
 Ion Ratio Lower Upper
 107 100
 109 95.3 65.6 121.8
 188 3.1 2.9 4.3



#51
 Chlorobenzene
 Concen: 6.745 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: VU037819.D
 Acq: 21 Apr 2020 12:16

Tgt Ion:112 Resp: 55974
 Ion Ratio Lower Upper
 112 100
 114 33.8 22.4 41.6
 77 63.5 49.1 73.7

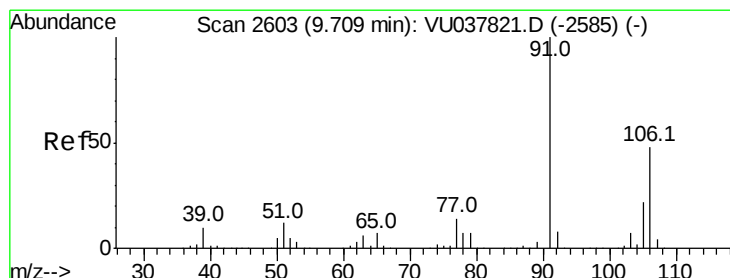
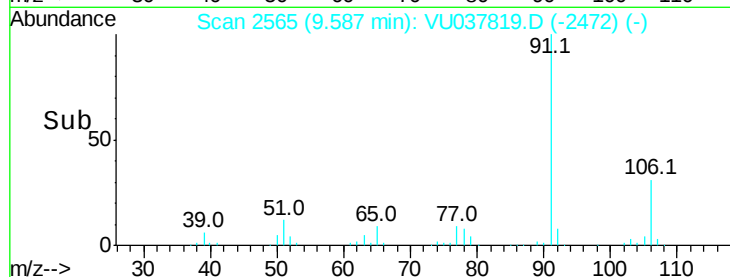
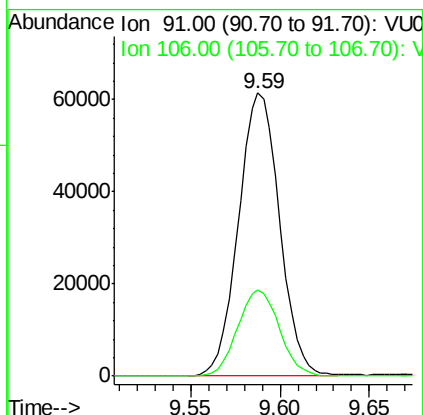
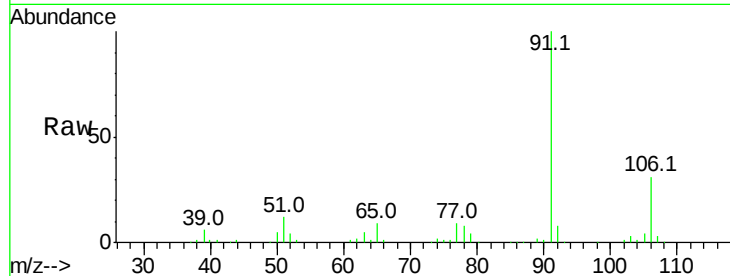




#52
Ethylbenzene
Concen: 6.615 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. 0.00 min
Lab File: VU037819.D
Acq: 21 Apr 2020 12:16

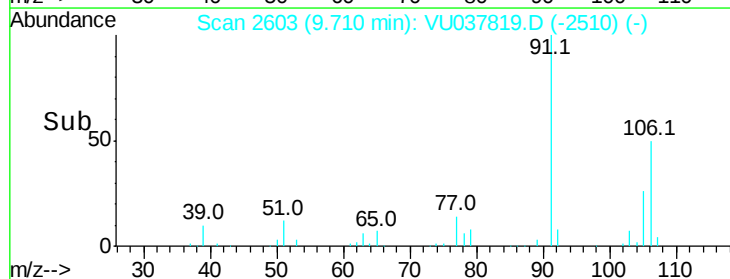
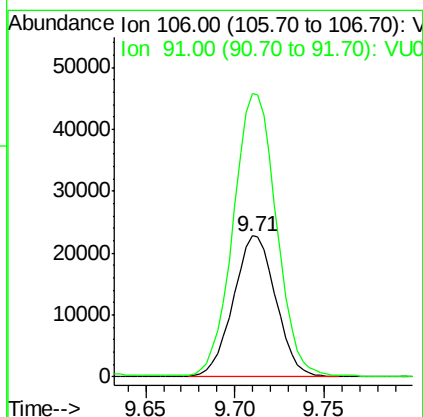
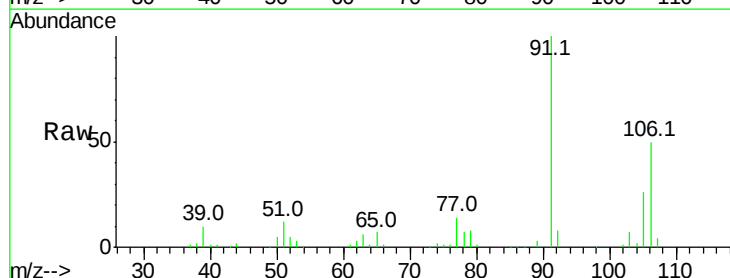
Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

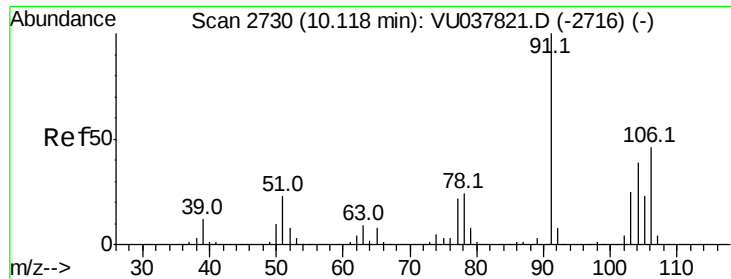
Tgt Ion: 91 Resp: 98561
Ion Ratio Lower Upper
91 100
106 30.6 21.6 40.0



#53
m,p-Xylene
Concen: 6.713 ug/L
RT: 9.71 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VU037819.D
Acq: 21 Apr 2020 12:16

Tgt Ion: 106 Resp: 37977
Ion Ratio Lower Upper
106 100
91 200.6 145.5 270.3

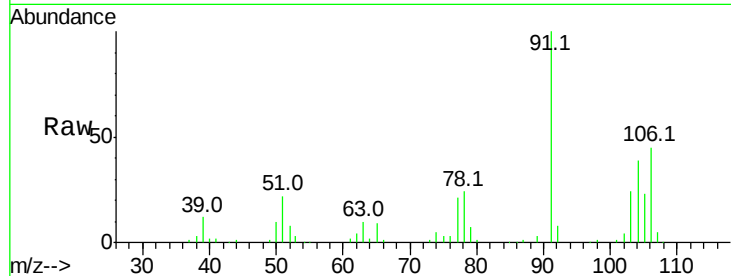




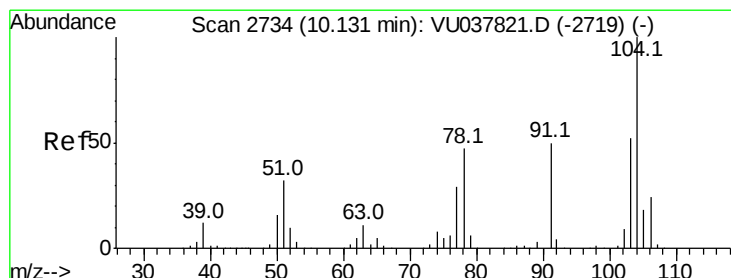
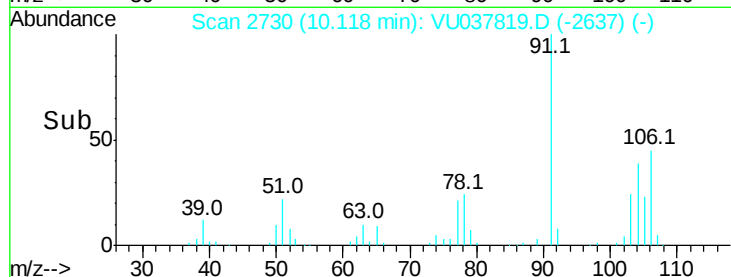
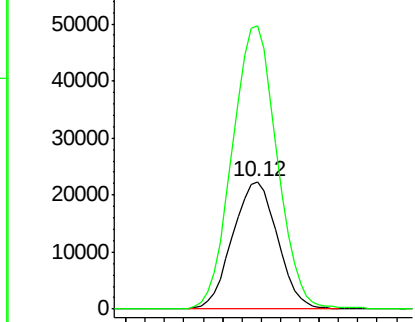
#54
o-xylene
Concen: 6.429 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU037819.D
Acq: 21 Apr 2020 12:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

Tgt Ion:106 Resp: 36071
Ion Ratio Lower Upper
106 100
91 222.5 153.0 284.2

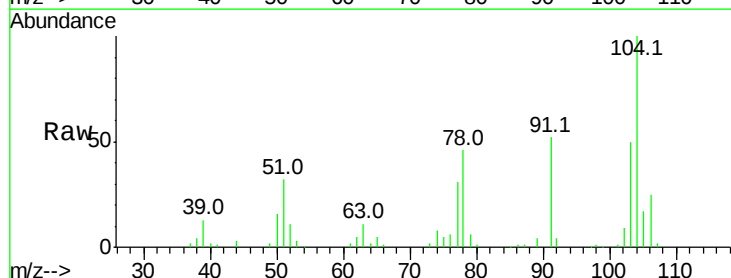


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

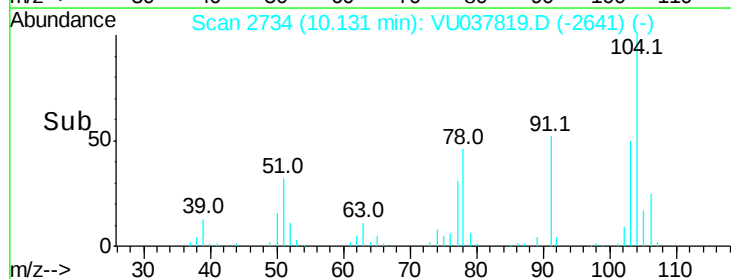
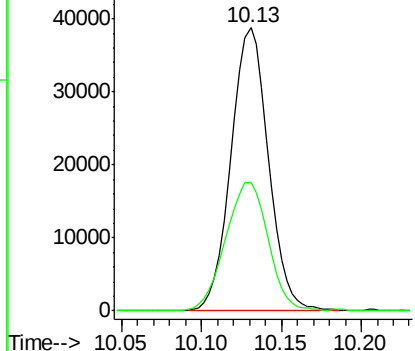


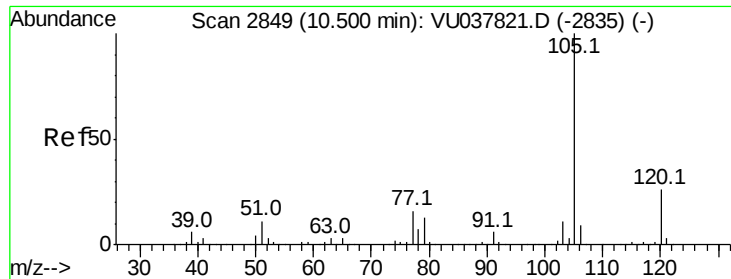
#55
Styrene
Concen: 6.342 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU037819.D
Acq: 21 Apr 2020 12:16

Tgt Ion:104 Resp: 61691
Ion Ratio Lower Upper
104 100
78 45.6 33.1 61.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 6.657 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VU037819.D

Acq: 21 Apr 2020 12:16

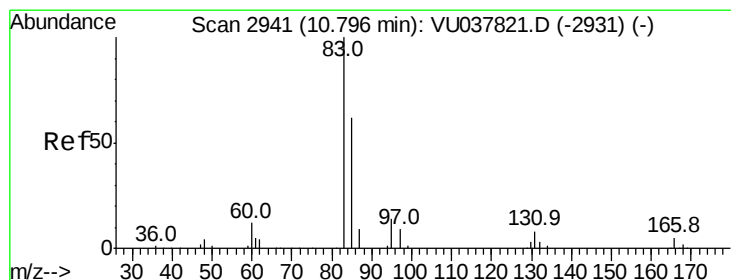
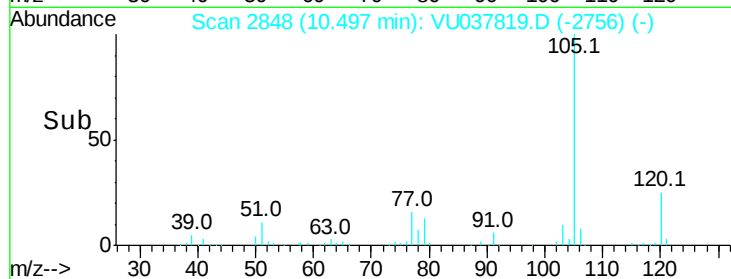
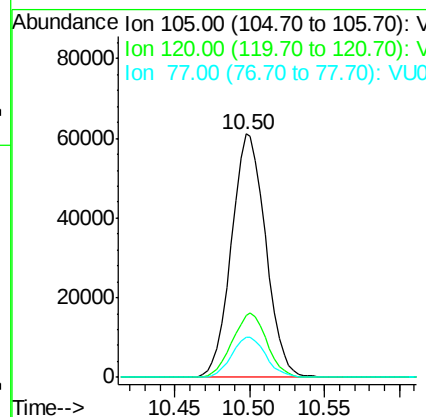
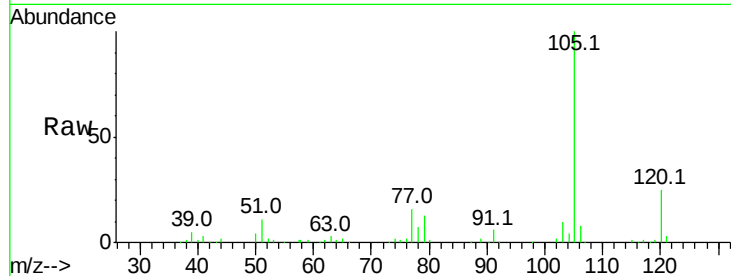
Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

Tgt Ion:	105	Resp:	97247
Ion Ratio	Lower	Upper	
105	100		
120	26.7	20.6	31.0
77	16.4	13.1	19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 6.573 ug/L

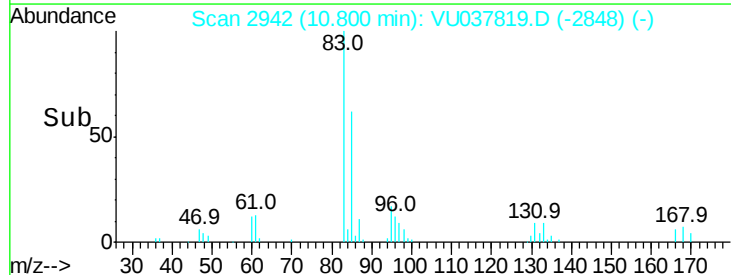
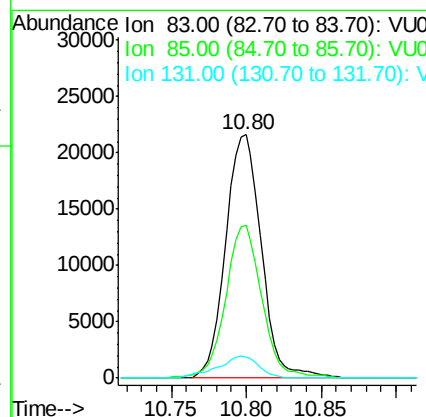
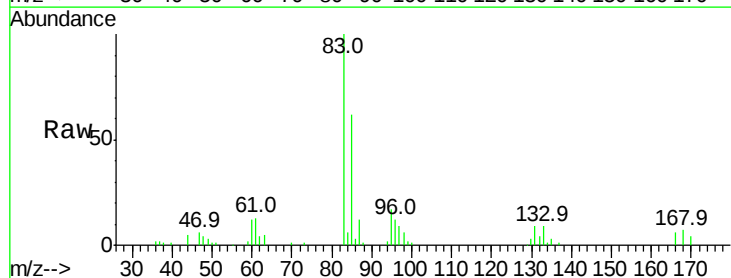
RT: 10.80 min Scan# 2942

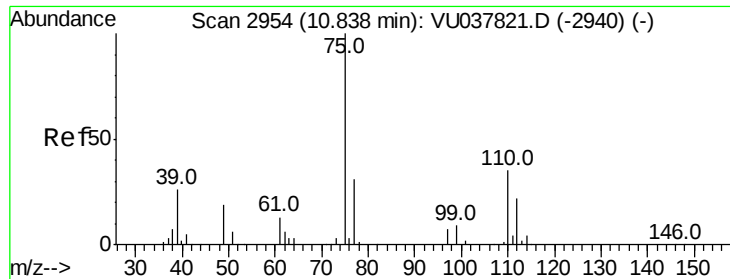
Delta R.T. 0.00 min

Lab File: VU037819.D

Acq: 21 Apr 2020 12:16

Tgt Ion:	83	Resp:	35997
Ion Ratio	Lower	Upper	
83	100		
85	62.5	44.7	83.1
131	8.5	7.3	10.9





#59

1,2,3-Trichloropropane

Concen: 6.788 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU037819.D

Acq: 21 Apr 2020 12:16

Instrument :

MSVOA_U

ClientSampleId :

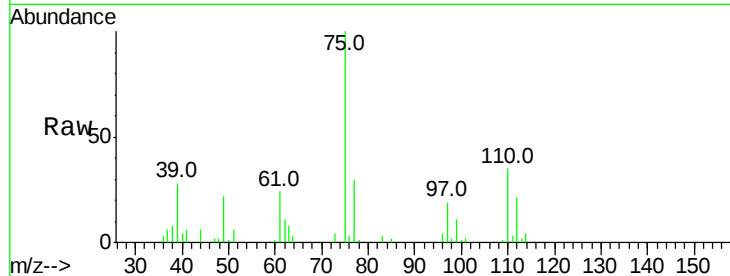
VSTD00532

Tgt Ion: 75 Resp: 31697

Ion Ratio Lower Upper

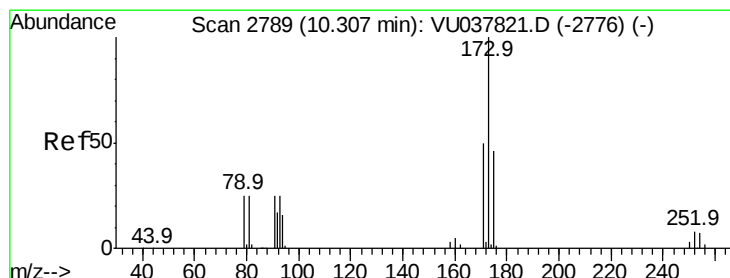
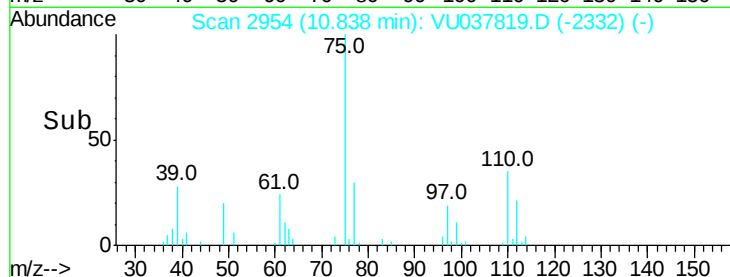
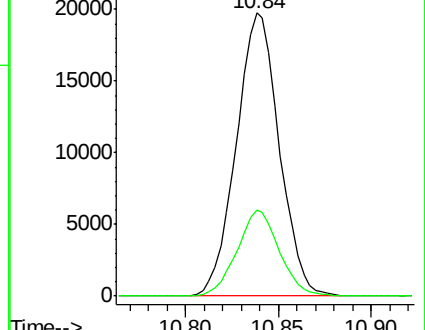
75 100

77 29.9 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU037821.D (-2940) (-)

Ion 77.00 (76.70 to 77.70): VU037821.D (-2940) (-)



#61

Bromoform

Concen: 5.929 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VU037819.D

Acq: 21 Apr 2020 12:16

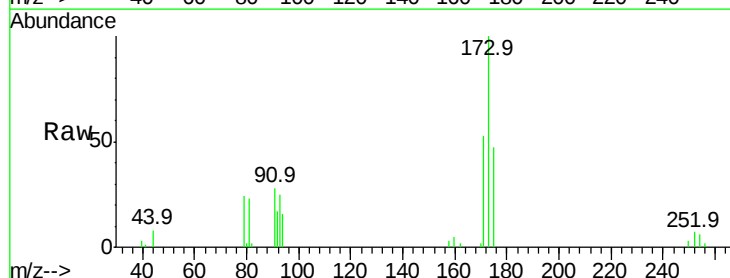
Tgt Ion: 173 Resp: 15526

Ion Ratio Lower Upper

173 100

175 44.7 37.4 56.2

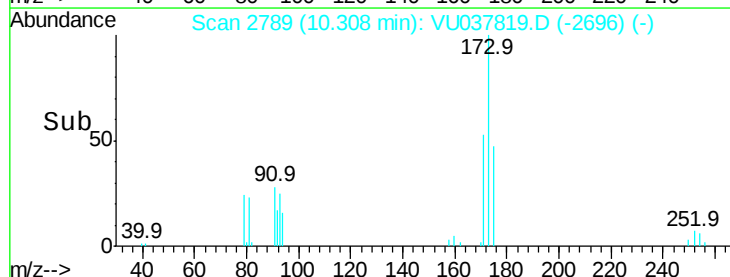
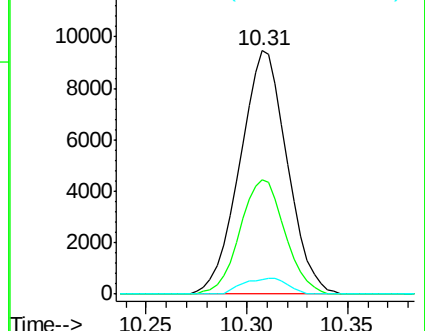
254 6.1 5.7 8.5

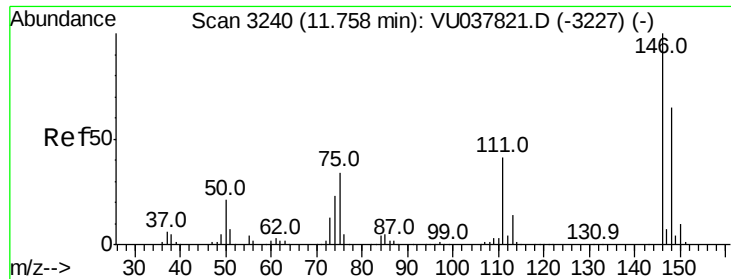


Abundance Ion 173.00 (172.70 to 173.70): VU037821.D (-2776) (-)

Ion 175.00 (174.70 to 175.70): VU037821.D (-2776) (-)

Ion 254.00 (253.70 to 254.70): VU037821.D (-2776) (-)

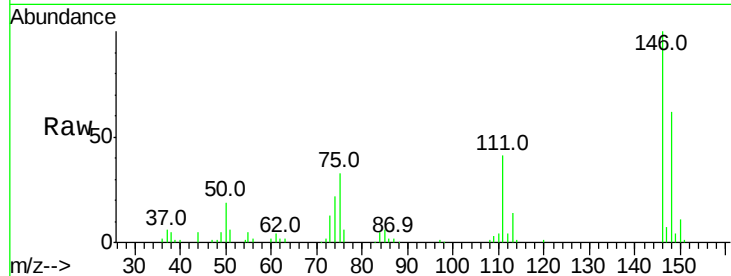




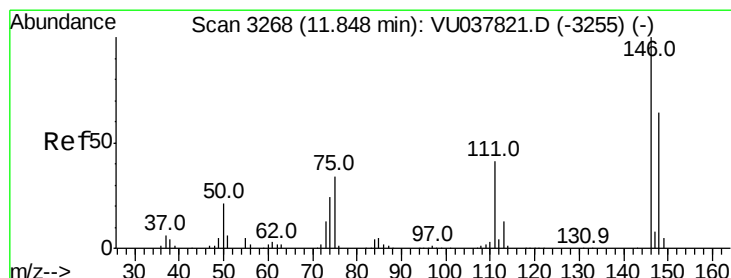
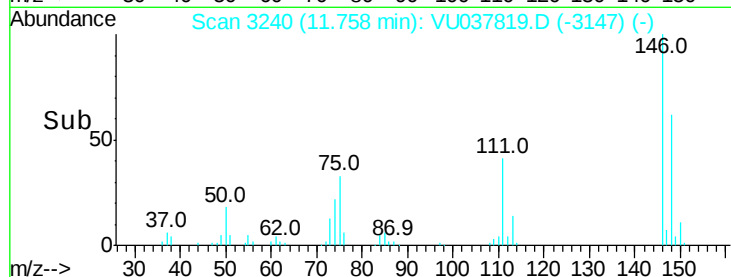
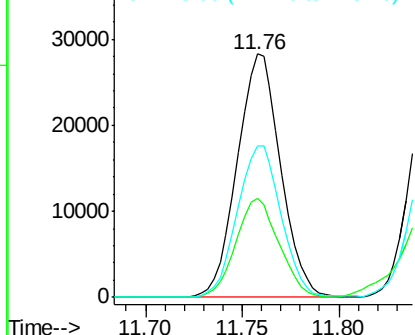
#62
 1,3-Dichlorobenzene
 Concen: 6.621 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU037819.D
 Acq: 21 Apr 2020 12:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

Tgt Ion:146 Resp: 44035
 Ion Ratio Lower Upper
 146 100
 111 40.7 28.9 53.7
 148 62.1 45.5 84.5

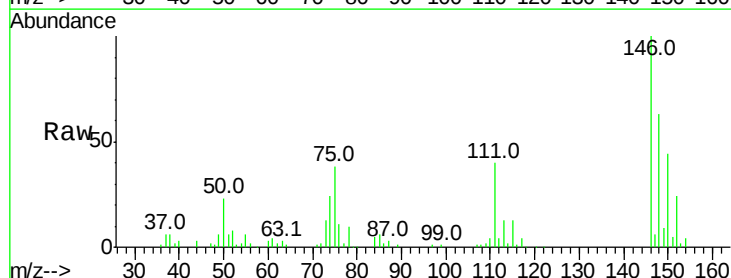


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

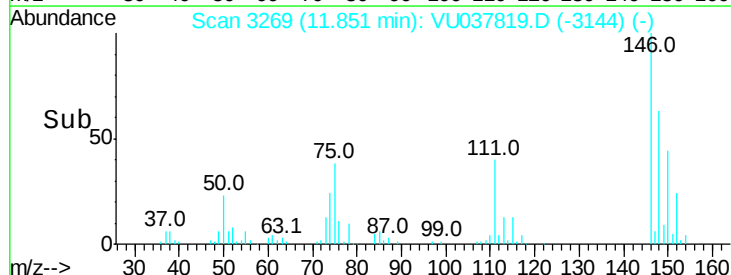
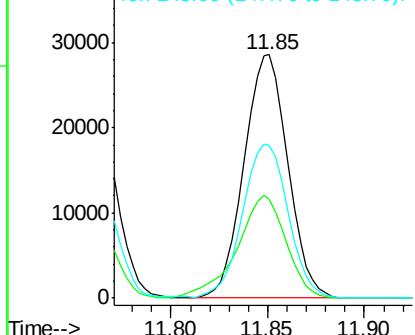


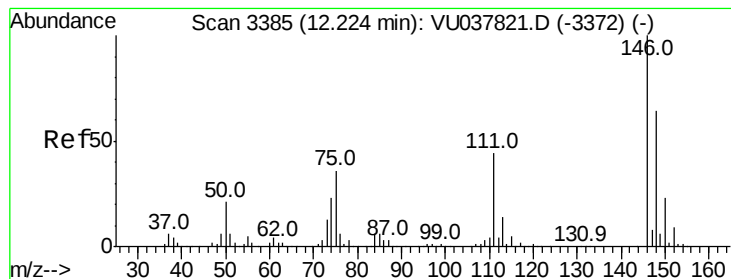
#63
 1,4-Dichlorobenzene
 Concen: 6.771 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037819.D
 Acq: 21 Apr 2020 12:16

Tgt Ion:146 Resp: 45184
 Ion Ratio Lower Upper
 146 100
 111 40.5 28.6 53.2
 148 62.9 44.7 82.9



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





#65

1,2-Dichlorobenzene

Concen: 6.668 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU037819.D

Acq: 21 Apr 2020 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

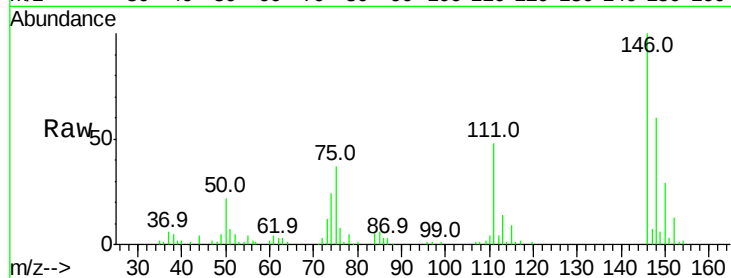
Tgt Ion:146 Resp: 43704

Ion Ratio Lower Upper

146 100

111 47.5 35.3 52.9

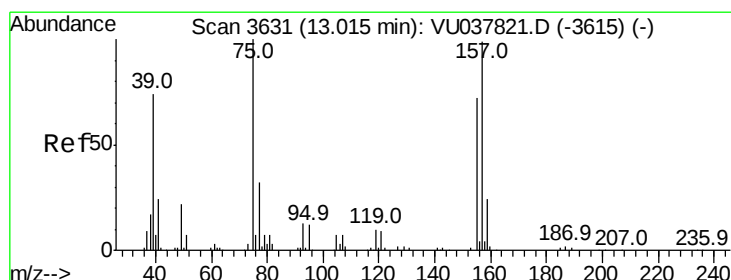
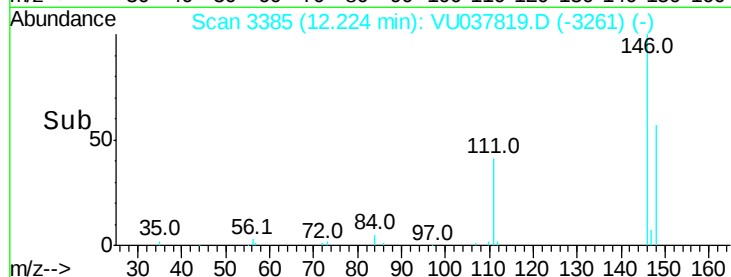
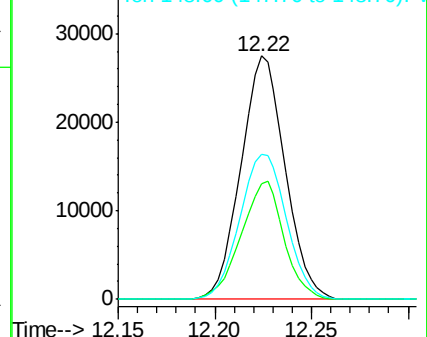
148 59.6 51.3 76.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.933 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU037819.D

Acq: 21 Apr 2020 12:16

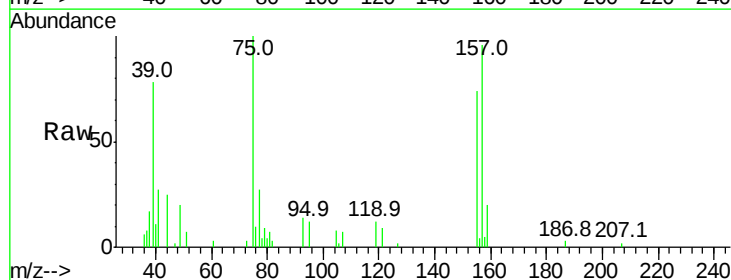
Tgt Ion: 75 Resp: 9009

Ion Ratio Lower Upper

75 100

155 74.2 57.6 86.4

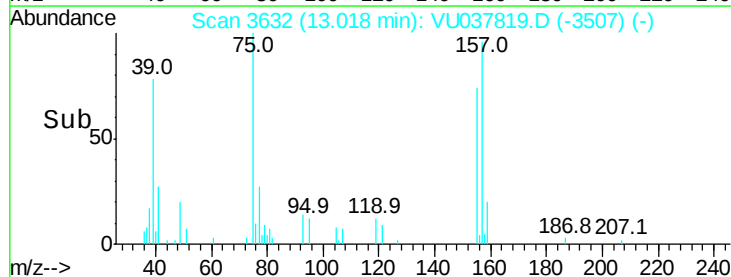
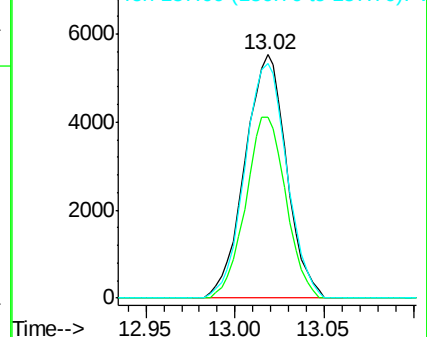
157 96.4 79.2 118.8

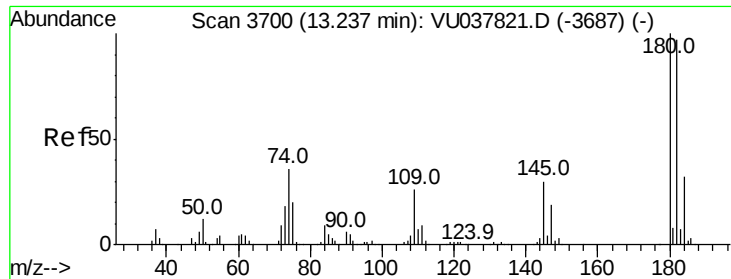


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

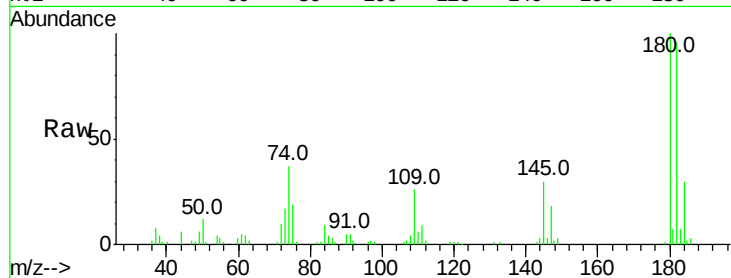




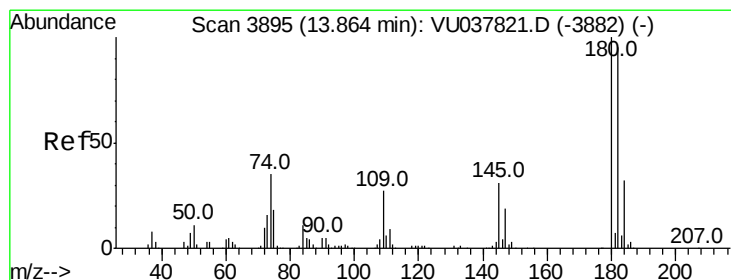
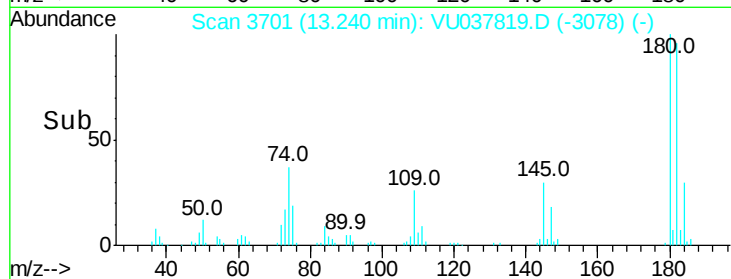
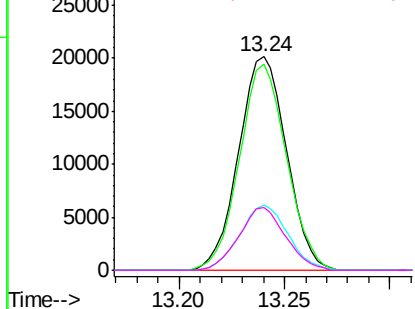
#67
 1,3,5-Trichlorobenzene
 Concen: 6.554 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037819.D
 Acq: 21 Apr 2020 12:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

Tgt Ion:180 Resp: 31873
 Ion Ratio Lower Upper
 180 100
 182 94.5 77.0 115.6
 184 30.7 24.7 37.1
 145 28.7 23.7 35.5

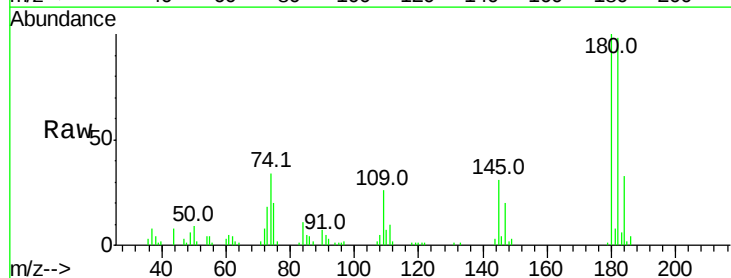


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

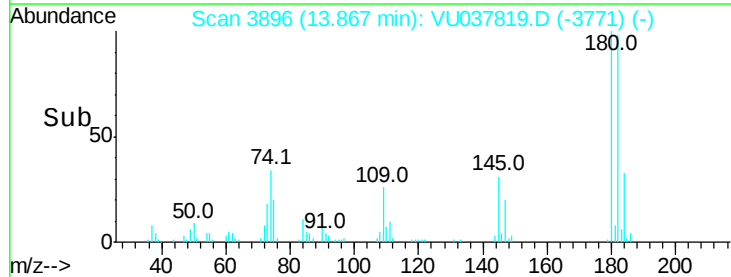
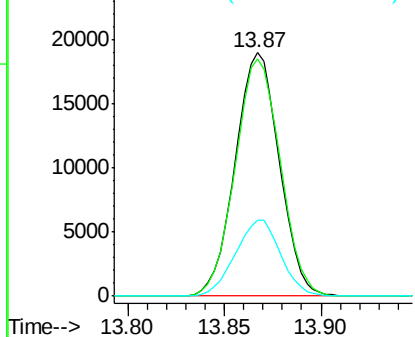


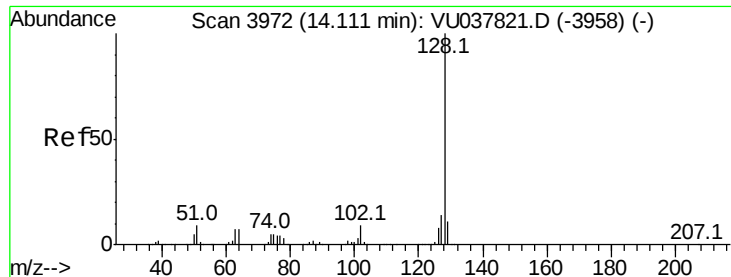
#68
 1,2,4-trichlorobenzene
 Concen: 6.425 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037819.D
 Acq: 21 Apr 2020 12:16

Tgt Ion:180 Resp: 30139
 Ion Ratio Lower Upper
 180 100
 182 99.5 76.2 114.4
 145 32.1 24.3 36.5



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





#69

Naphthalene

Concen: 6.216 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU037819.D

Acq: 21 Apr 2020 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

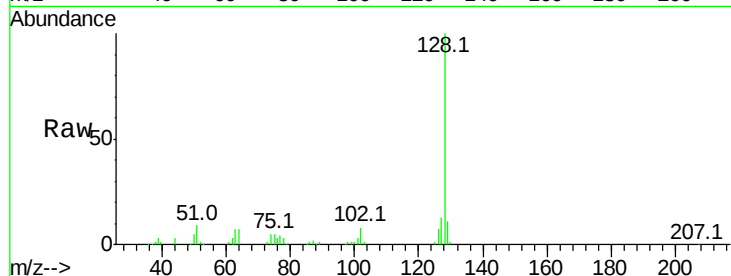
Tgt Ion:128 Resp: 107589

Ion Ratio Lower Upper

128 100

127 12.9 10.7 16.1

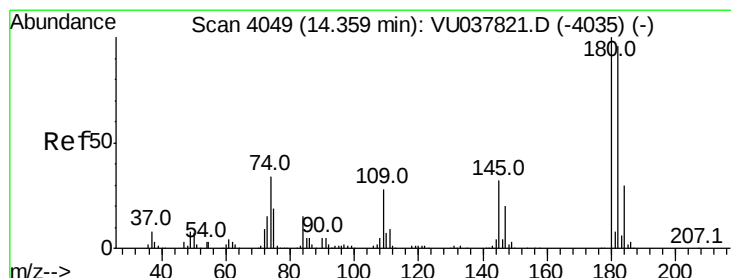
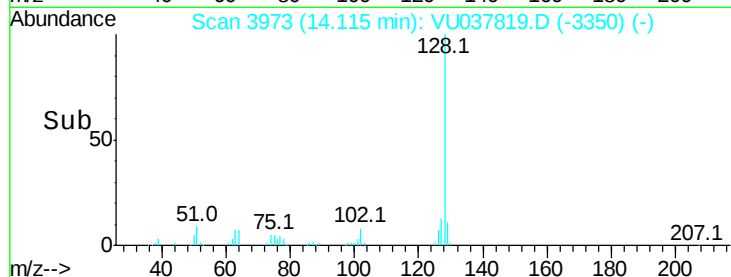
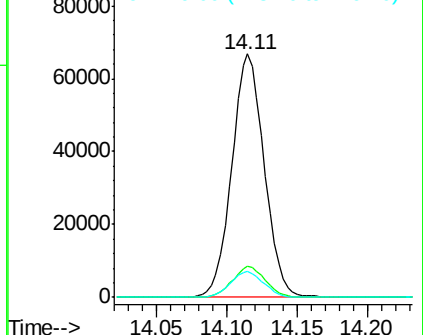
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 6.581 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037819.D

Acq: 21 Apr 2020 12:16

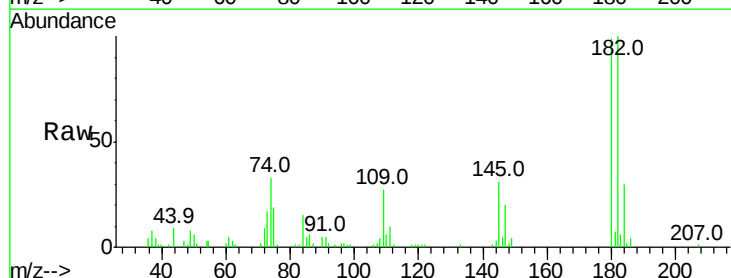
Tgt Ion:180 Resp: 30756

Ion Ratio Lower Upper

180 100

182 96.9 77.0 115.4

145 31.8 26.2 39.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

