

Data File : VU035812.D
Acq On : 21 Nov 2019 19:41
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Quant Time: Nov 22 01:38:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 22 01:33:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	219730	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	258766	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	134194	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	137266	4.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.60%
7) Chloroethane-d5	1.93	69	131398	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.80%
11) 1,1-Dichloroethene-d2	2.60	63	280623	5.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.20%
20) 2-Butanone-d5	4.70	46	391303	58.91	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.82%
24) Chloroform-d	5.11	84	256666	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
26) 1,2-Dichloroethane-d4	5.75	65	147883	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.40%
32) Benzene-d6	5.77	84	496562	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.73	67	167445	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.93	98	472666	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
43) trans-1,3-Dichloropropene-	8.21	79	62891	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
46) 2-Hexanone-d5	8.68	63	297445	57.17	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.34%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	147632	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	141398	4.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	165574	5.561 ug/L	98
3) Chloromethane	1.54	50	185694	5.066 ug/L	100
5) Vinyl chloride	1.62	62	192569	5.248 ug/L	87
6) Bromomethane	1.87	94	60777	3.223 ug/L	97
8) Chloroethane	1.95	64	120549	5.678 ug/L	97
9) Trichlorofluoromethane	2.16	101	238294	5.593 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	133353	5.510 ug/L	99
12) 1,1-Dichloroethene	2.61	96	125404	5.485 ug/L	94
13) Acetone	2.67	43	331716	56.858 ug/L	98
14) Carbon disulfide	2.82	76	418059	5.505 ug/L	99
15) Methyl Acetate	3.00	43	72315	6.183 ug/L	98
16) Methylene chloride	3.08	84	151813	5.496 ug/L	100
17) Methyl tert-butyl Ether	3.42	73	302392	5.466 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	124189	5.516 ug/L	99
19) 1,1-Dichloroethane	3.92	63	279782	5.531 ug/L	99
21) 2-Butanone	4.78	43	452608	61.308 ug/L	99
22) cis-1,2-Dichloroethene	4.72	96	131902	5.258 ug/L	# 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	62658	5.733	ug/L	97
25) Chloroform	5.14	83	279691	5.682	ug/L	98
27) 1,2-Dichloroethane	5.84	62	187694	5.798	ug/L	97
29) 1,1,1-Trichloroethane	5.36	97	219548	5.254	ug/L	99
30) Cyclohexane	5.43	56	193911	4.749	ug/L	99
31) Carbon tetrachloride	5.57	117	190133	5.254	ug/L	99
33) Benzene	5.82	78	573058	5.305	ug/L	100
34) Trichloroethene	6.58	95	140381	5.301	ug/L	100
35) Methylcyclohexane	6.80	83	180559	4.646	ug/L	96
37) 1,2-Dichloropropane	6.84	63	164627	5.374	ug/L	100
38) Bromodichloromethane	7.15	83	197394	5.376	ug/L	98
39) cis-1,3-Dichloropropene	7.65	75	196273	4.949	ug/L	98
40) 4-Methyl-2-pentanone	7.84	43	1069218	56.849	ug/L	99
42) Toluene	8.01	91	609082	5.420	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	175409	5.334	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	108600	5.440	ug/L	97
47) Tetrachloroethene	8.58	164	102252	5.074	ug/L	96
48) 2-Hexanone	8.73	43	804248	58.081	ug/L	94
49) Dibromochloromethane	8.84	129	128417	5.453	ug/L	100
50) 1,2-Dibromoethane	8.96	107	100775	5.517	ug/L	92
51) Chlorobenzene	9.48	112	351639	5.052	ug/L	97
52) Ethylbenzene	9.60	91	573770	4.938	ug/L	97
53) m,p-Xylene	9.73	106	213441	5.211	ug/L	95
54) o-Xylene	10.13	106	202171	5.082	ug/L	98
55) Styrene	10.14	104	356219	5.399	ug/L	98
56) Isopropylbenzene	10.51	105	535340	5.094	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	145625	5.272	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	109753	5.511	ug/L	98
61) Bromoform	10.32	173	73828	5.476	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	247562	5.140	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	239519	5.051	ug/L	96
65) 1,2-Dichlorobenzene	12.24	146	237122	5.160	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	18440	4.849	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	130042	4.493	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	70193	4.220	ug/L	98
69) Naphthalene	14.11	128	86952	3.712	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	73996	4.574	ug/L	97

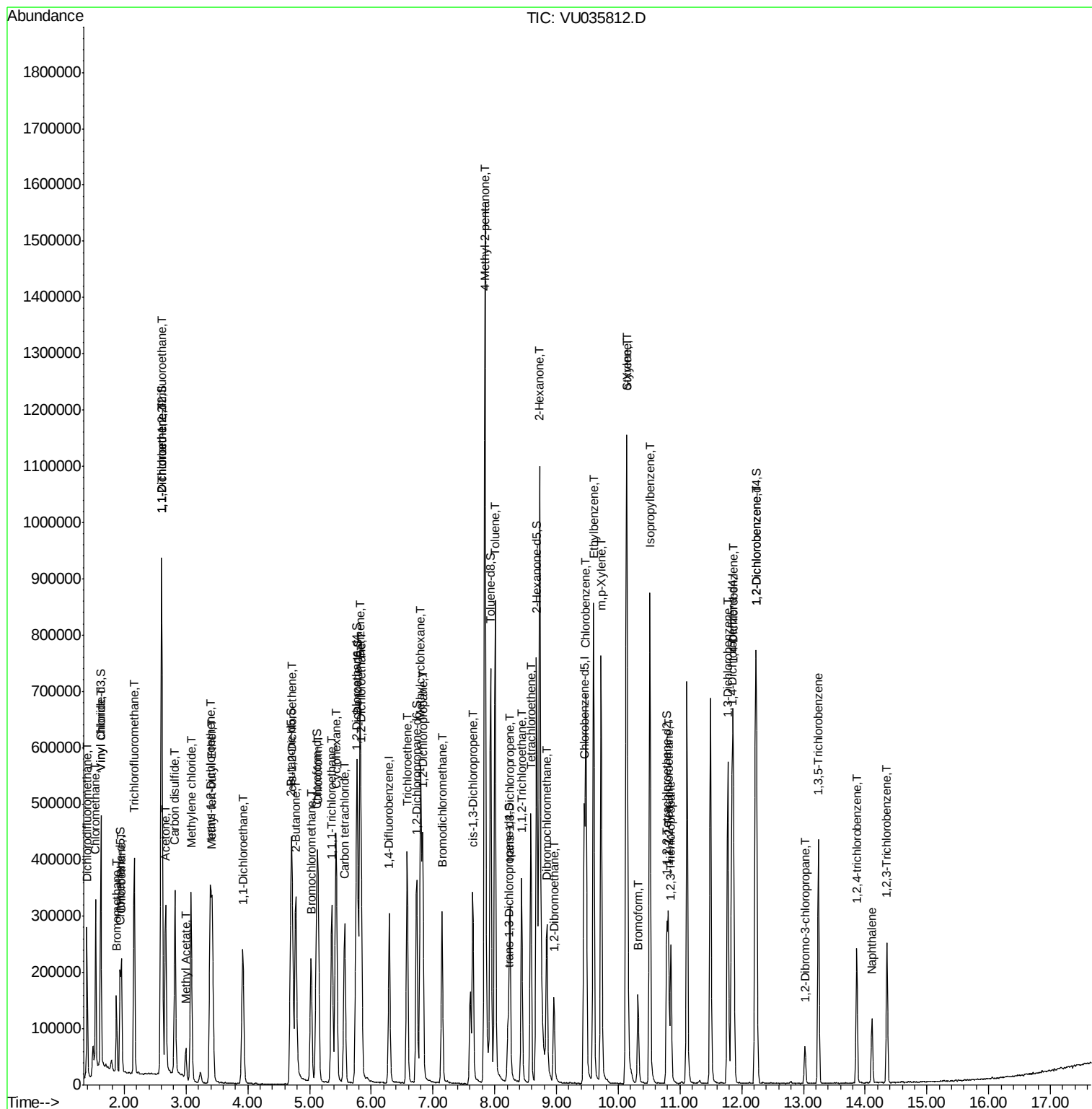
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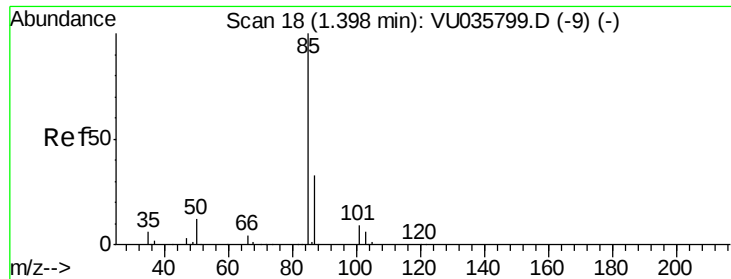
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#2

Dichlorodifluoromethane

Concen: 5.561 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035812.D

Acq: 21 Nov 2019 19:41

Instrument :

MSVOA_U

ClientSampleId :

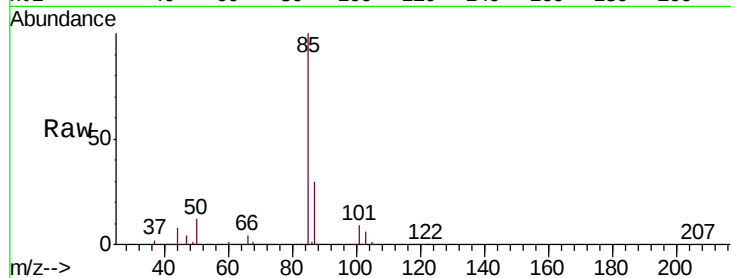
VSTD00528

Tgt Ion: 85 Resp: 165574

Ion Ratio Lower Upper

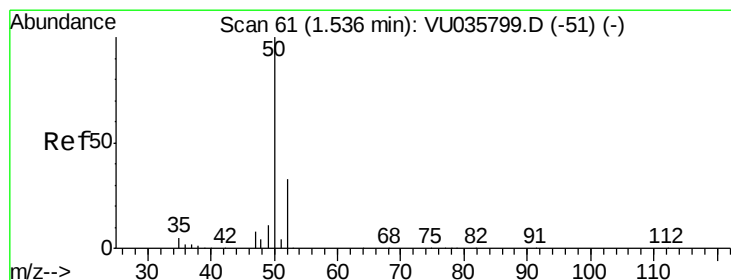
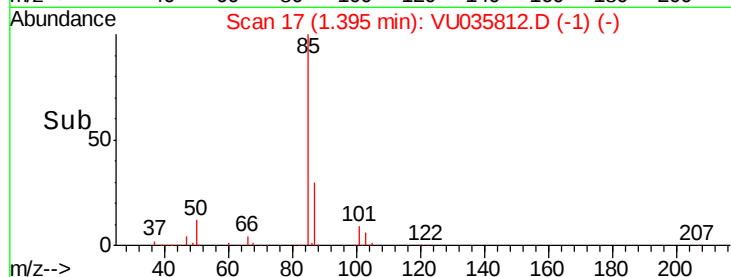
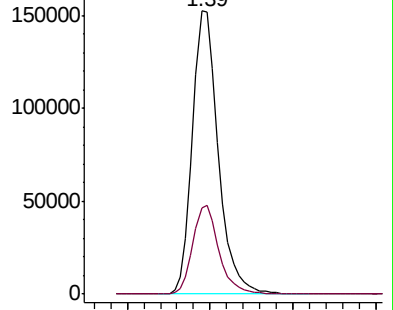
85 100

87 31.6 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU035799.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU035799.D (-9) (-)



#3

Chloromethane

Concen: 5.066 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035812.D

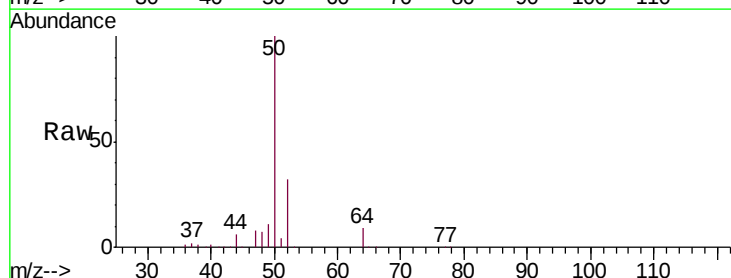
Acq: 21 Nov 2019 19:41

Tgt Ion: 50 Resp: 185694

Ion Ratio Lower Upper

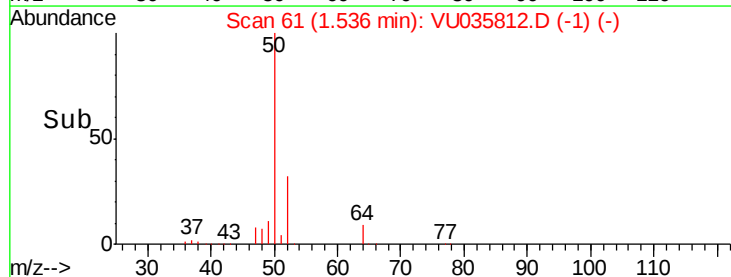
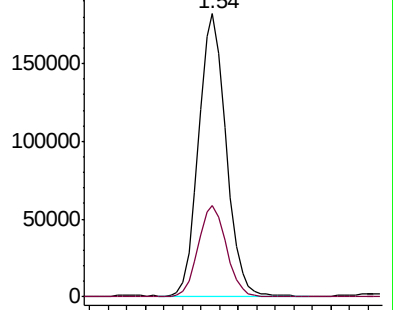
50 100

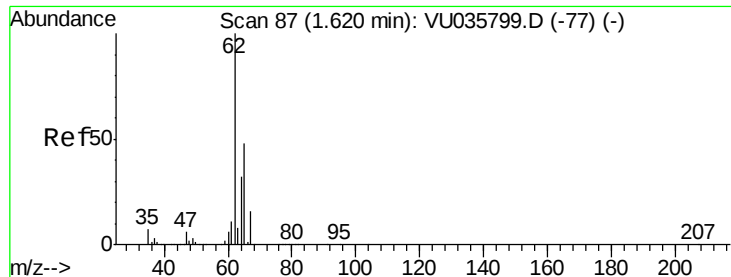
52 32.5 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU035799.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU035799.D (-51) (-)





#5

Vinyl chloride

Concen: 5.248 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035812.D

Acq: 21 Nov 2019 19:41

Instrument :

MSVOA_U

ClientSampleId :

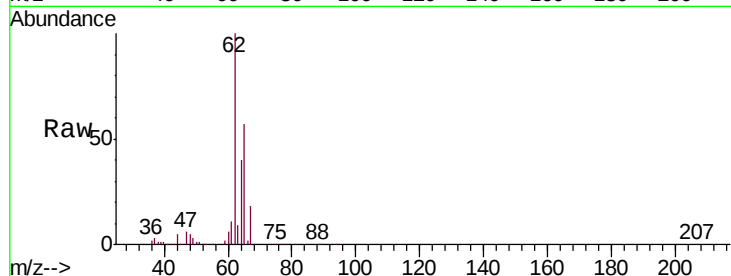
VSTD00528

Tgt Ion: 62 Resp: 192569

Ion Ratio Lower Upper

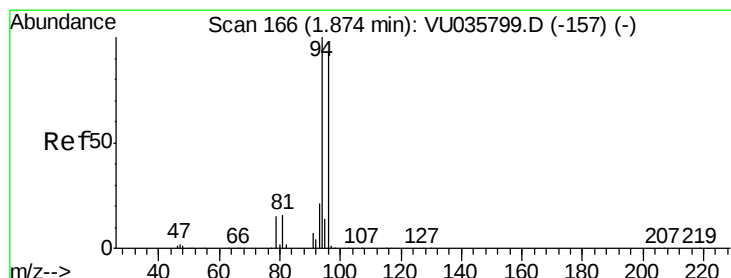
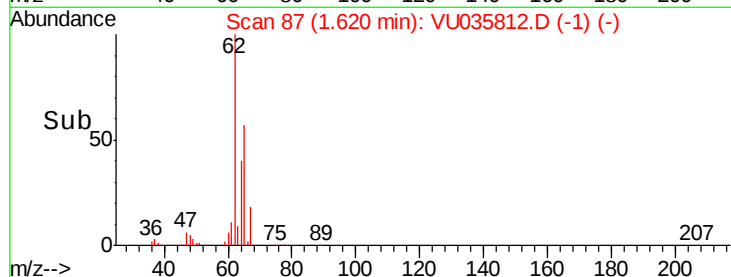
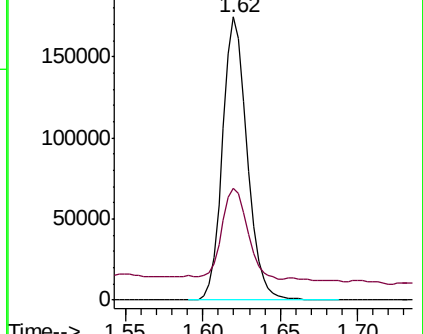
62 100

64 39.7 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU035799.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU035799.D (-77) (-)



#6

Bromomethane

Concen: 3.223 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035812.D

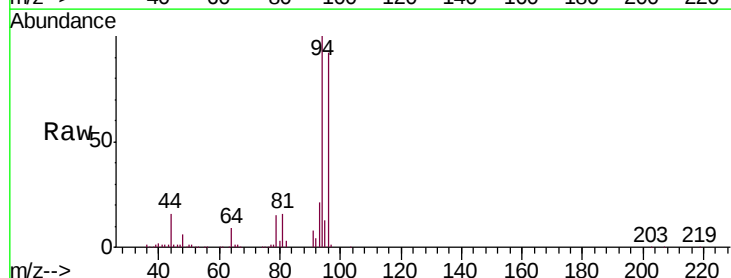
Acq: 21 Nov 2019 19:41

Tgt Ion: 94 Resp: 60777

Ion Ratio Lower Upper

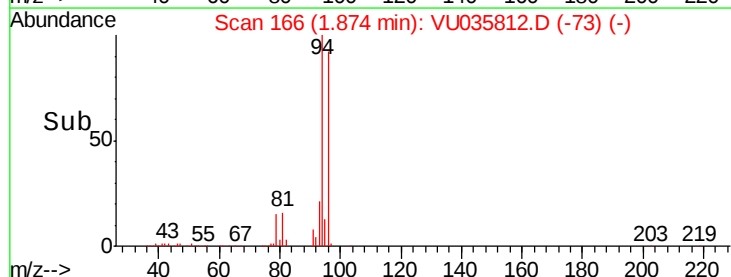
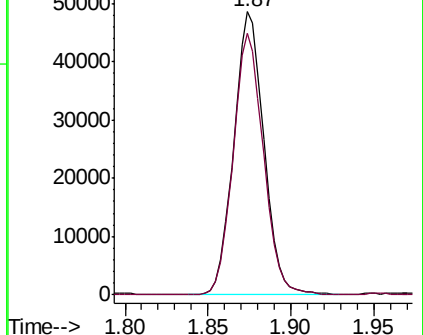
94 100

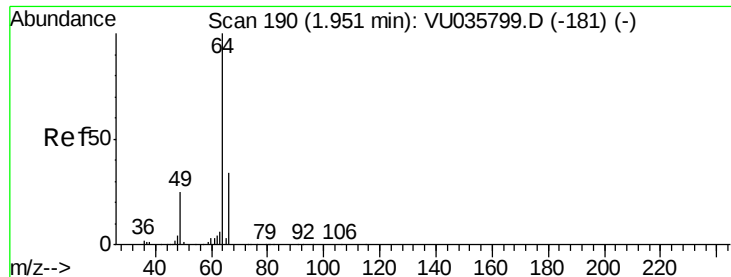
96 92.4 66.5 123.5



Abundance Ion 94.00 (93.70 to 94.70): VU035799.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU035799.D (-157) (-)





#8

Chloroethane

Concen: 5.678 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU035812.D

Acq: 21 Nov 2019 19:41

Instrument :

MSVOA_U

ClientSampleId :

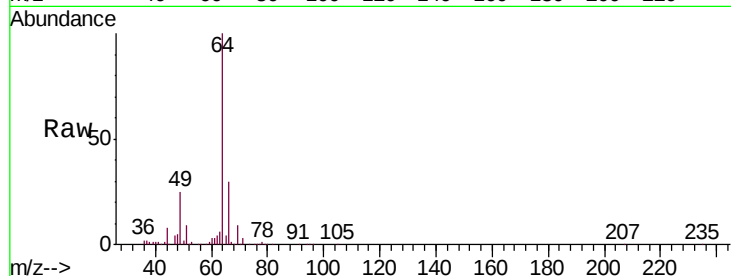
VSTD00528

Tgt Ion: 64 Resp: 120549

Ion Ratio Lower Upper

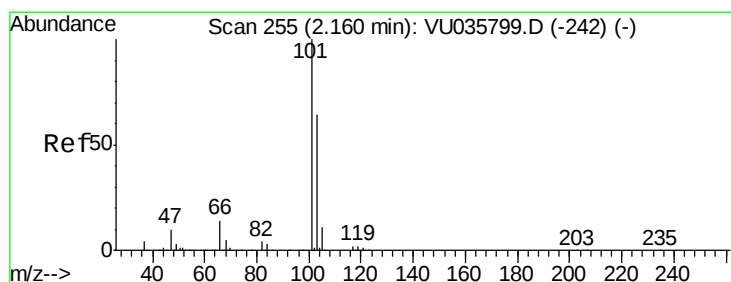
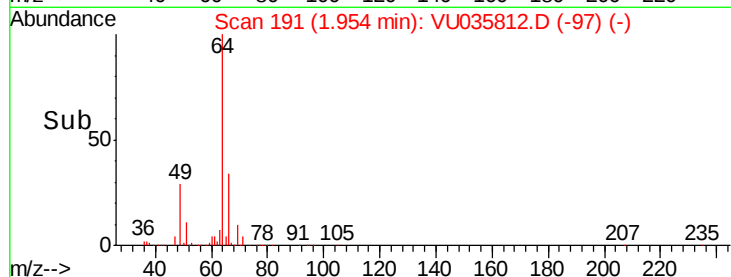
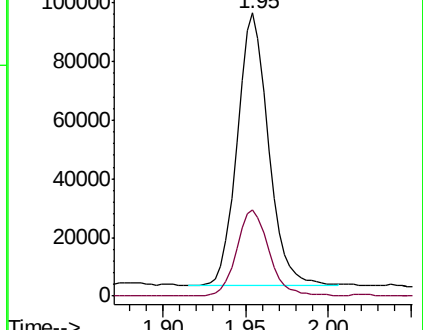
64 100

66 30.3 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VU035799.D (-181) (-)

Ion 66.05 (65.75 to 66.75): VU035799.D (-181) (-)



#9

Trichlorofluoromethane

Concen: 5.593 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU035812.D

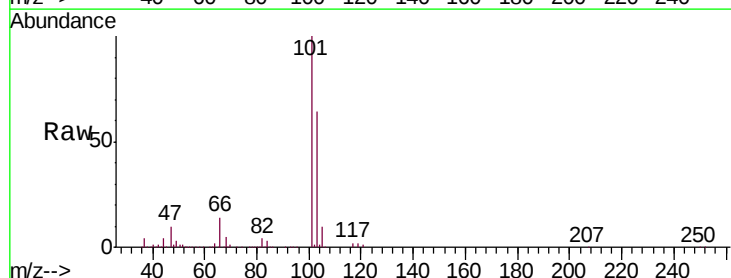
Acq: 21 Nov 2019 19:41

Tgt Ion: 101 Resp: 238294

Ion Ratio Lower Upper

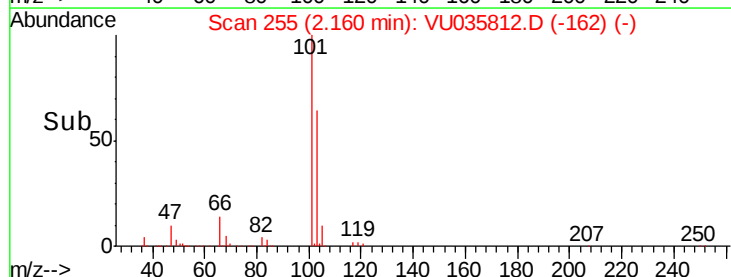
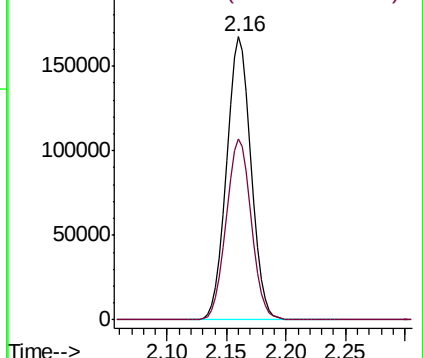
101 100

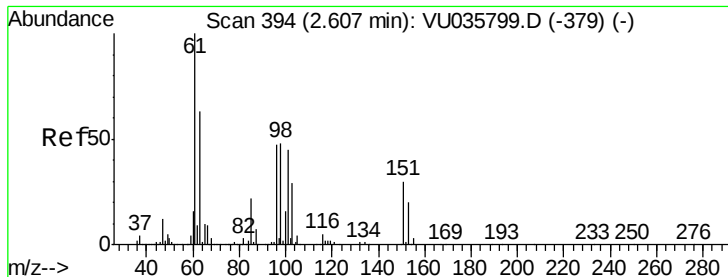
103 65.4 49.8 74.6



Abundance Ion 101.00 (100.70 to 101.70): VU035799.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU035799.D (-242) (-)





#10

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

Concen: 5.510 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035812.D

Acq: 21 Nov 2019 19:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

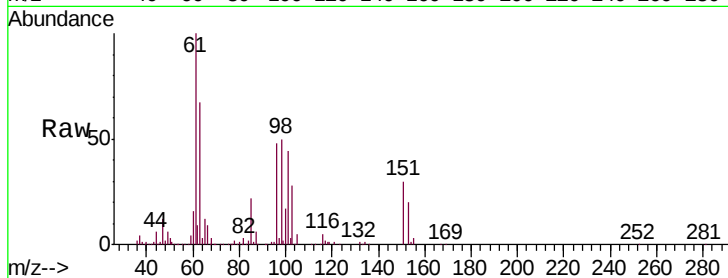
Tgt Ion:101 Resp: 133353

Ion Ratio Lower Upper

101 100

85 47.2 38.1 57.1

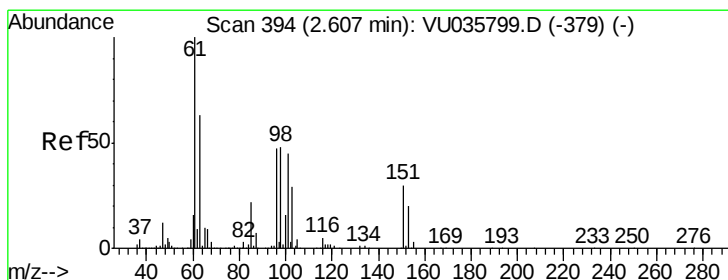
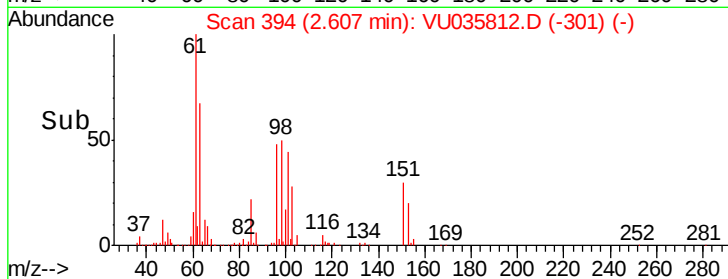
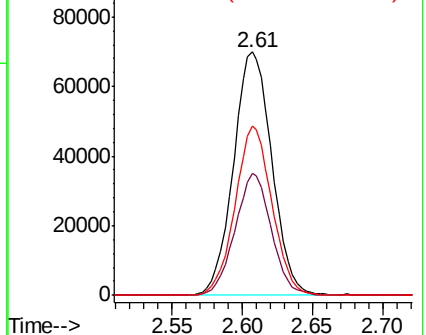
151 66.6 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): VU035812.D (-301) (-)

Ion 85.00 (84.70 to 85.70): VU035812.D (-301) (-)

Ion 151.00 (150.70 to 151.70): VU035812.D (-301) (-)



#12

1,1-Dichloroethene

Concen: 5.485 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035812.D

Acq: 21 Nov 2019 19:41

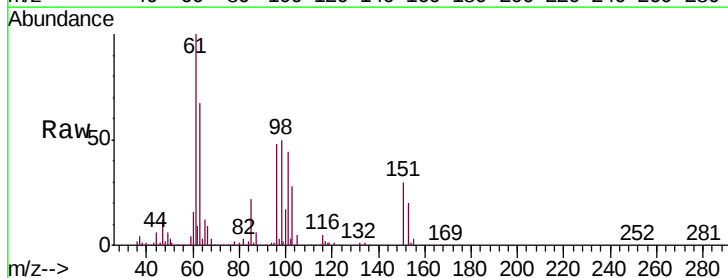
Tgt Ion: 96 Resp: 125404

Ion Ratio Lower Upper

96 100

61 208.8 139.3 258.7

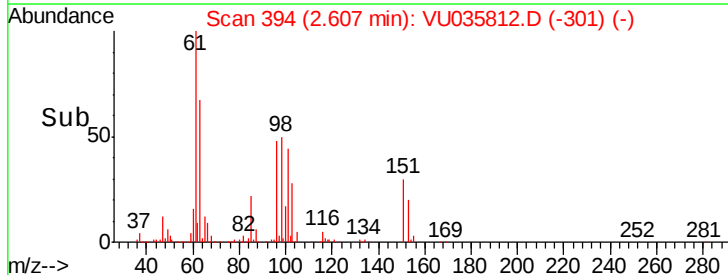
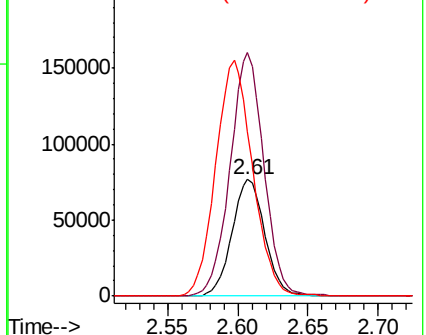
63 140.9 93.7 174.1

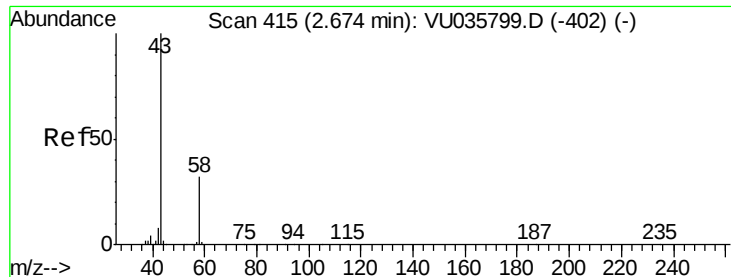


Abundance Ion 96.00 (95.70 to 96.70): VU035812.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU035812.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU035812.D (-301) (-)





#13

Acetone

Concen: 56.858 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU035812.D

Acq: 21 Nov 2019 19:41

Instrument :

MSVOA_U

ClientSampleId :

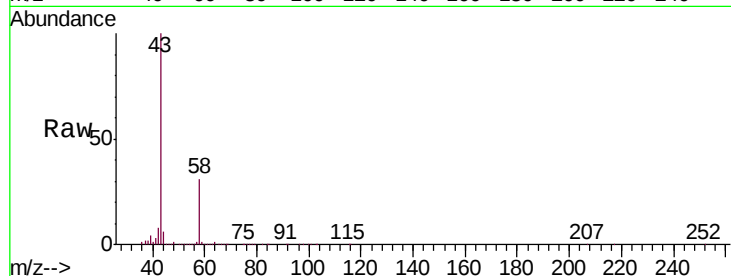
VSTD00528

Tgt Ion: 43 Resp: 331716

Ion Ratio Lower Upper

43 100

58 31.8 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035799.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU035799.D (-402) (-)

2.67

200000

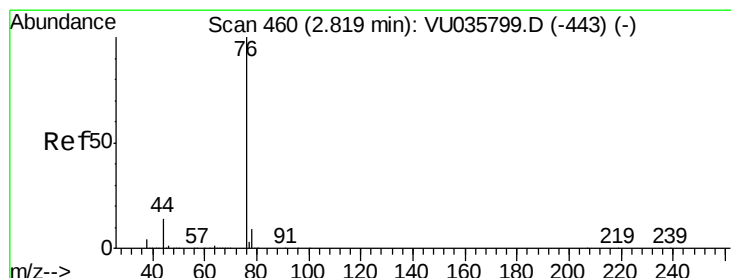
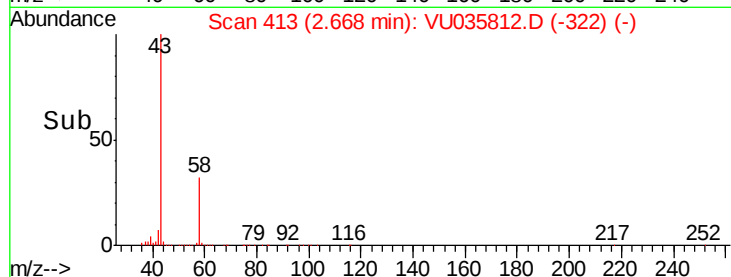
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 5.505 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU035812.D

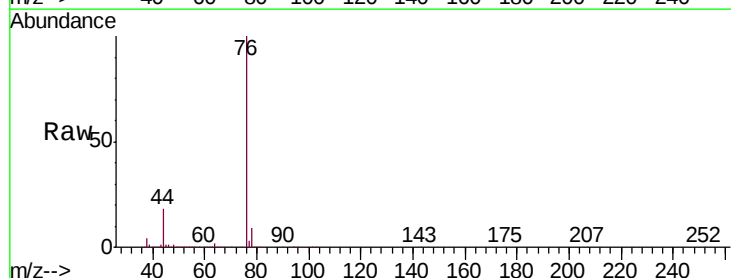
Acq: 21 Nov 2019 19:41

Tgt Ion: 76 Resp: 418059

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU035799.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU035799.D (-443) (-)

2.82

250000

200000

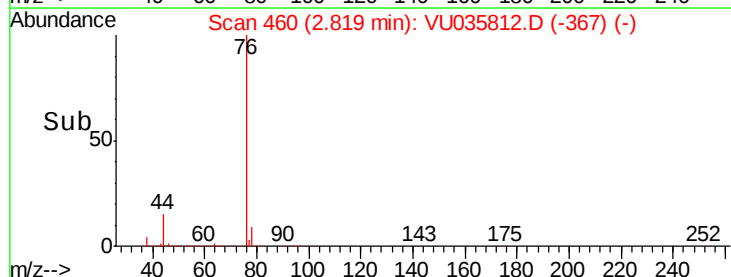
150000

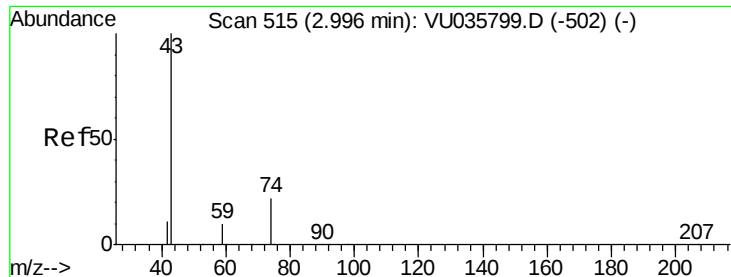
100000

50000

0

Time-->

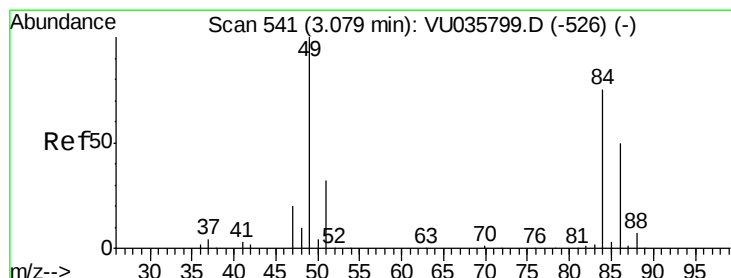
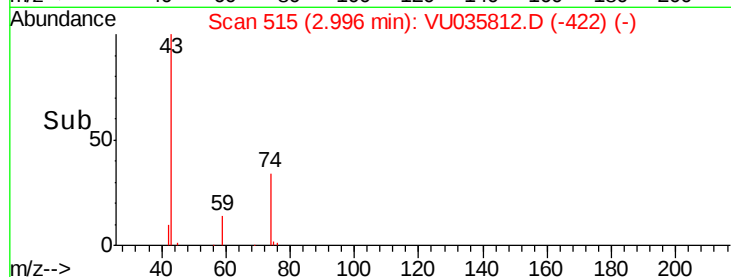
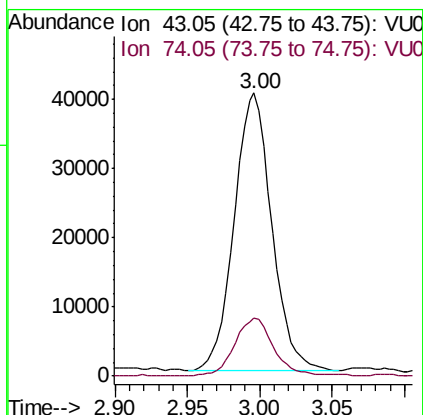
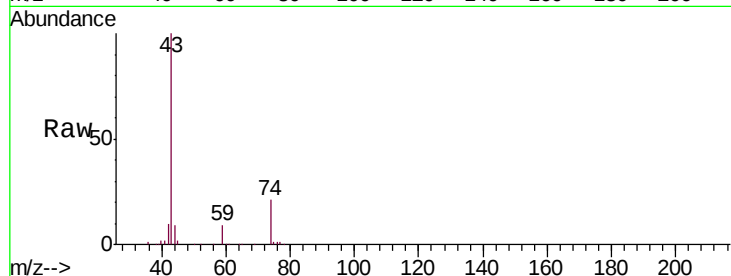




#15
Methyl Acetate
Concen: 6.183 ug/L
RT: 3.00 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU035812.D
Acq: 21 Nov 2019 19:41

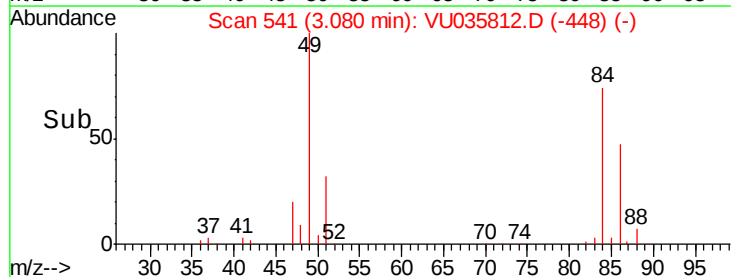
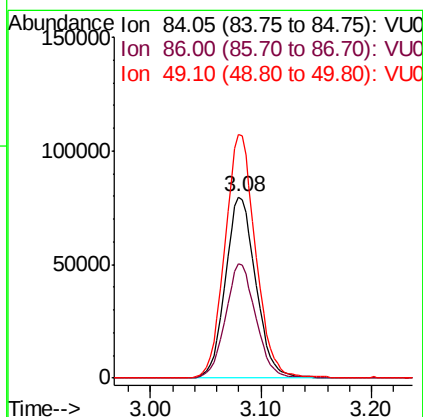
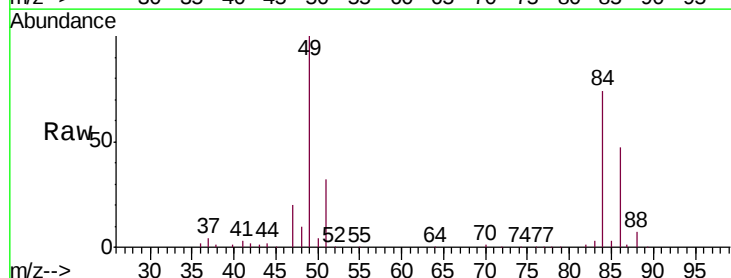
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

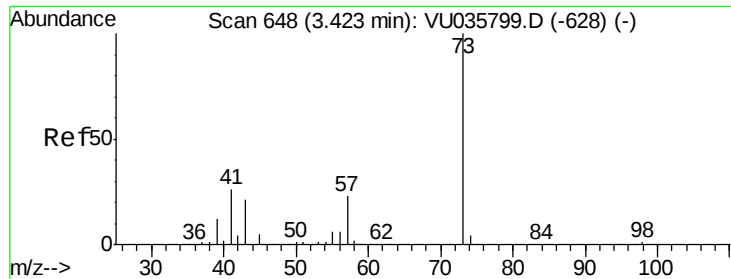
Tgt Ion: 43 Resp: 72315
Ion Ratio Lower Upper
43 100
74 21.8 18.2 27.4



#16
Methylene chloride
Concen: 5.496 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU035812.D
Acq: 21 Nov 2019 19:41

Tgt Ion: 84 Resp: 151813
Ion Ratio Lower Upper
84 100
86 63.3 44.4 82.5
49 134.5 94.0 174.6

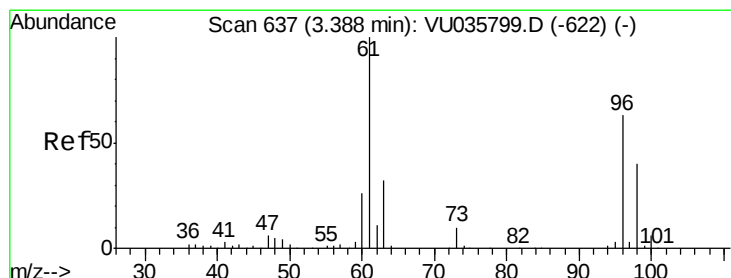
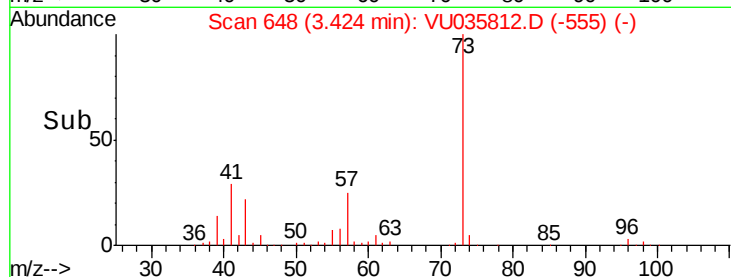
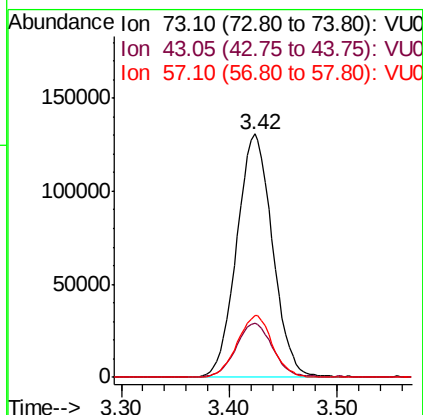
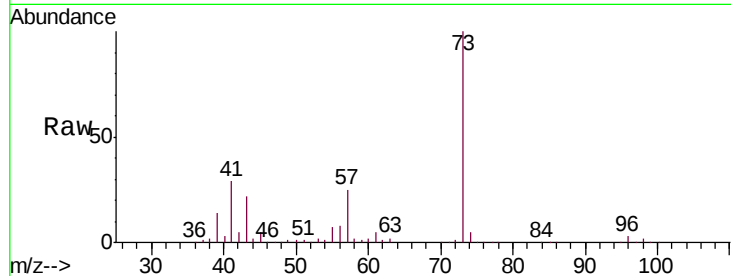




#17
Methyl tert-butyl Ether
Concen: 5.466 ug/L
RT: 3.42 min Scan# 648
Delta R.T. 0.00 min
Lab File: VU035812.D
Acq: 21 Nov 2019 19:41

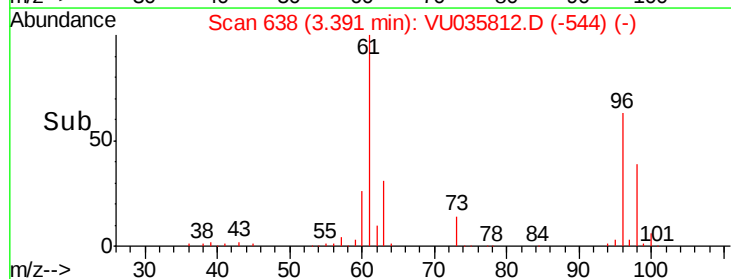
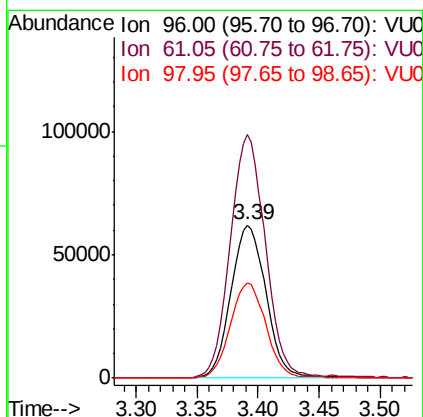
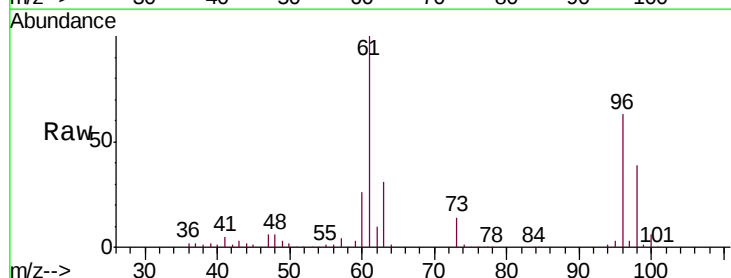
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

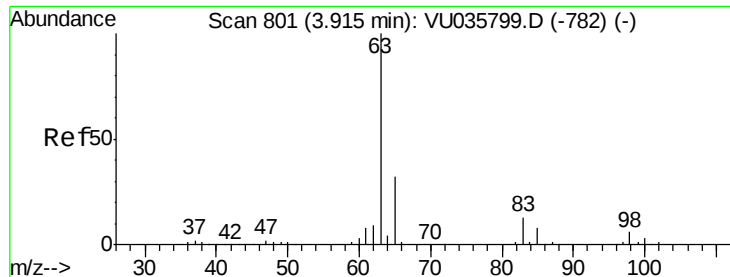
Tgt Ion: 73 Resp: 302392
Ion Ratio Lower Upper
73 100
43 22.4 17.4 26.2
57 24.8 19.4 29.0



#18
trans-1,2-Dichloroethene
Concen: 5.516 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU035812.D
Acq: 21 Nov 2019 19:41

Tgt Ion: 96 Resp: 124189
Ion Ratio Lower Upper
96 100
61 159.2 111.1 206.3
98 62.6 43.1 80.1





#19

1,1-Dichloroethane

Concen: 5.531 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035812.D

Acq: 21 Nov 2019 19:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

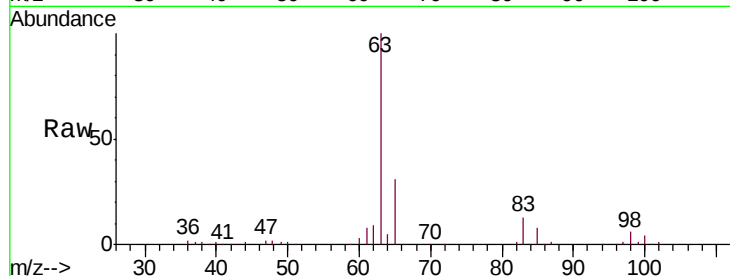
Tgt Ion: 63 Resp: 279782

Ion Ratio Lower Upper

63 100

65 30.7 21.8 40.4

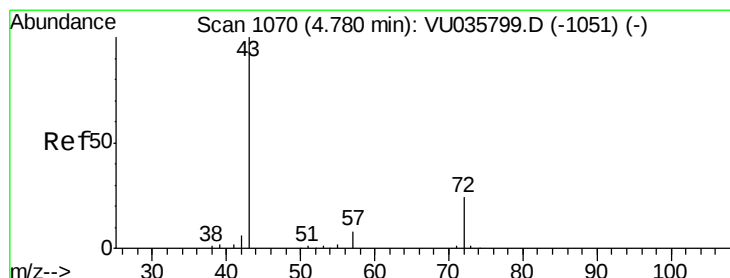
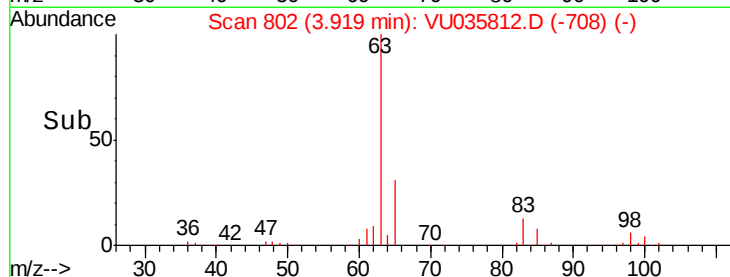
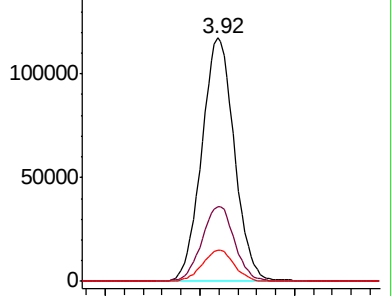
83 12.9 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VU035799.D (-782) (-)

Ion 65.10 (64.80 to 65.80): VU035799.D (-782) (-)

Ion 83.05 (82.75 to 83.75): VU035799.D (-782) (-)



#21

2-Butanone

Concen: 61.308 ug/L

RT: 4.78 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VU035812.D

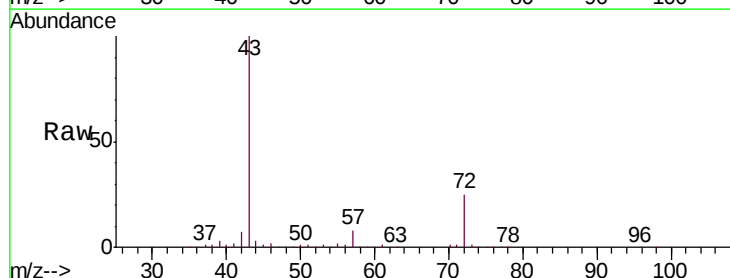
Acq: 21 Nov 2019 19:41

Tgt Ion: 43 Resp: 452608

Ion Ratio Lower Upper

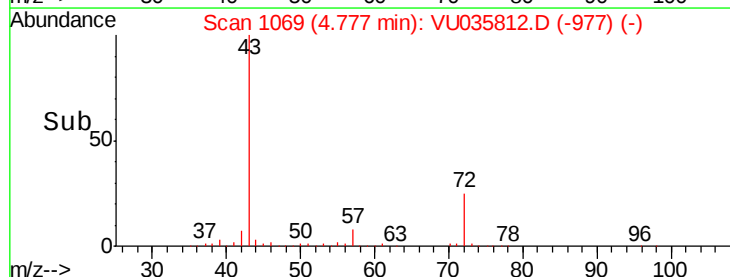
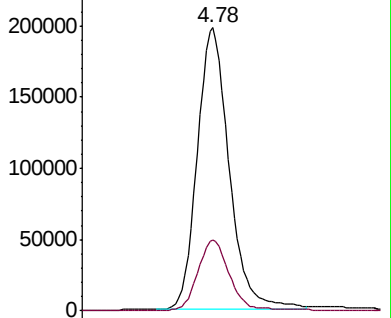
43 100

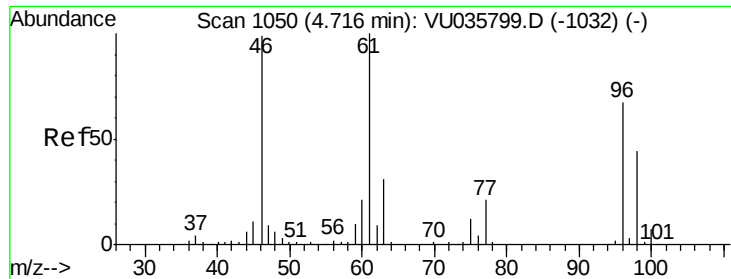
72 25.5 12.4 37.4



Abundance Ion 43.05 (42.75 to 43.75): VU035799.D (-1051) (-)

Ion 72.10 (71.80 to 72.80): VU035799.D (-1051) (-)

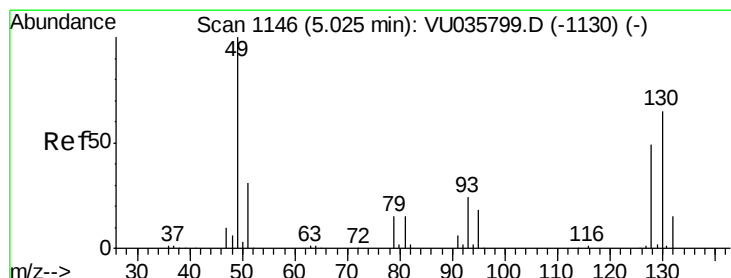
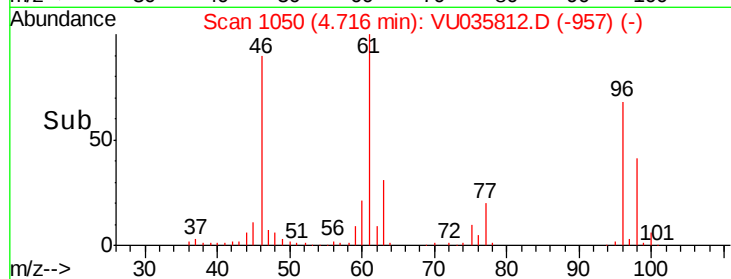
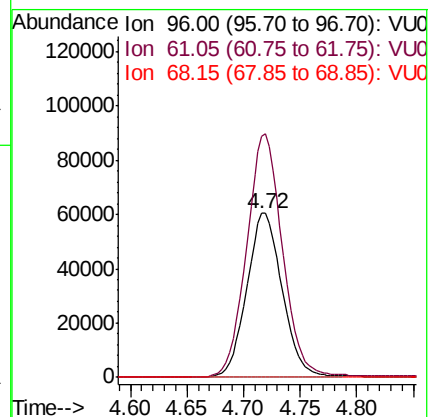
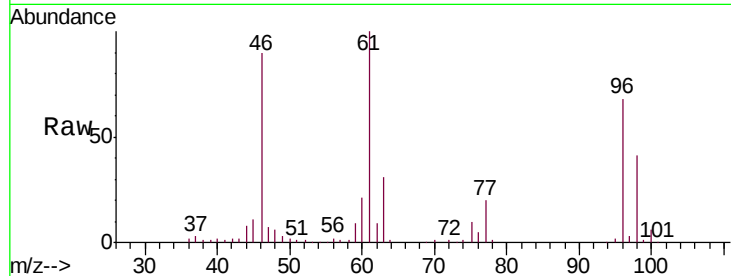




#22
 cis-1,2-Dichloroethene
 Concen: 5.258 ug/L
 RT: 4.72 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU035812.D
 Acq: 21 Nov 2019 19:41

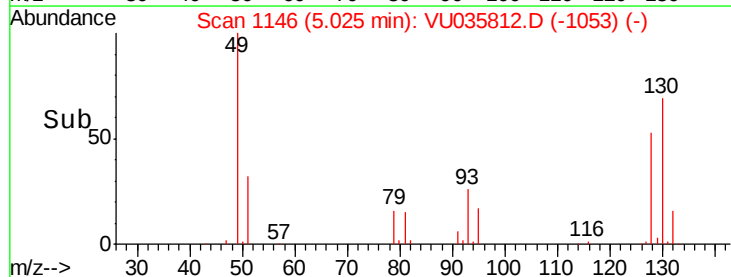
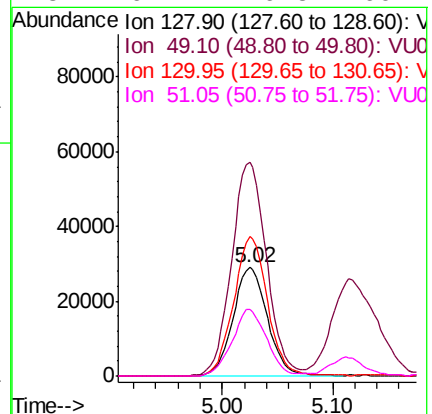
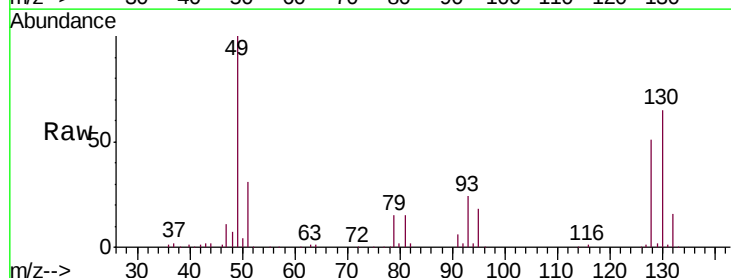
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

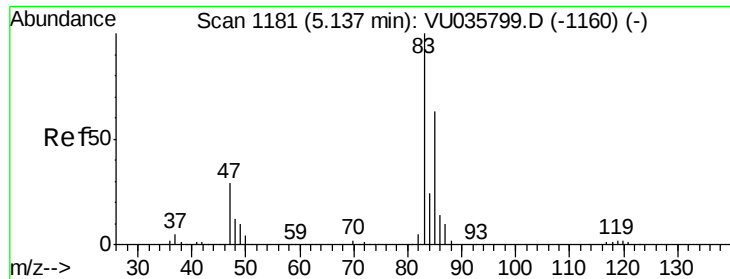
Tgt Ion: 96 Resp: 131902
 Ion Ratio Lower Upper
 96 100
 61 147.1 98.1 182.1
 68 0.2 0.0 0.0#



#23
 Bromochloromethane
 Concen: 5.733 ug/L
 RT: 5.02 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VU035812.D
 Acq: 21 Nov 2019 19:41

Tgt Ion: 128 Resp: 62658
 Ion Ratio Lower Upper
 128 100
 49 197.4 133.8 248.6
 130 129.2 91.1 169.1
 51 62.1 46.5 69.7

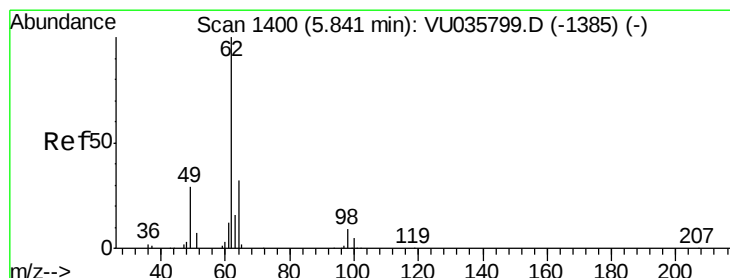
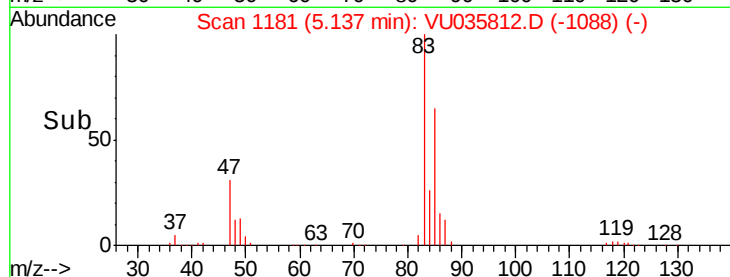
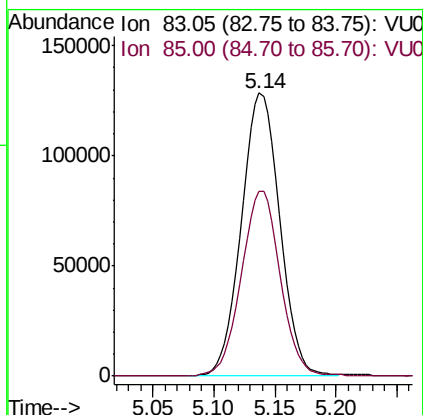
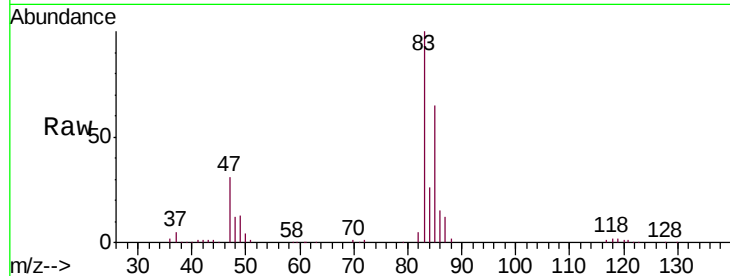




#25
 Chloroform
 Concen: 5.682 ug/L
 RT: 5.14 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VU035812.D
 Acq: 21 Nov 2019 19:41

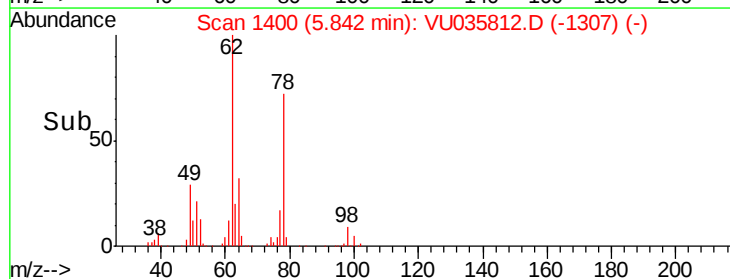
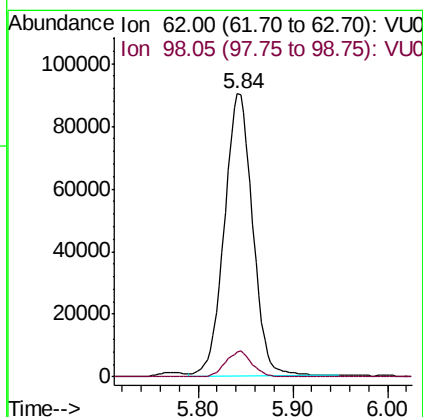
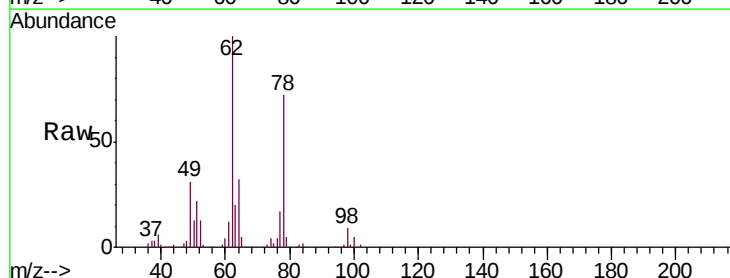
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

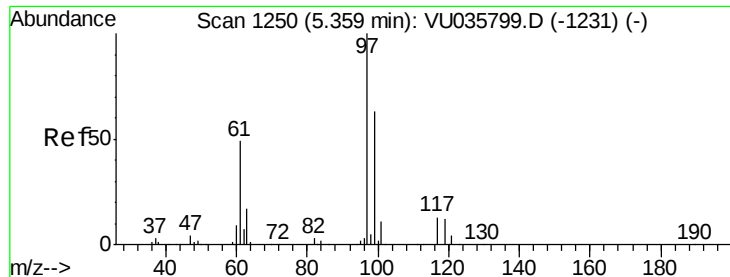
Tgt Ion: 83 Resp: 279691
 Ion Ratio Lower Upper
 83 100
 85 65.2 44.6 82.8



#27
 1,2-Dichloroethane
 Concen: 5.798 ug/L
 RT: 5.84 min Scan# 1400
 Delta R.T. 0.00 min
 Lab File: VU035812.D
 Acq: 21 Nov 2019 19:41

Tgt Ion: 62 Resp: 187694
 Ion Ratio Lower Upper
 62 100
 98 8.9 6.2 9.4

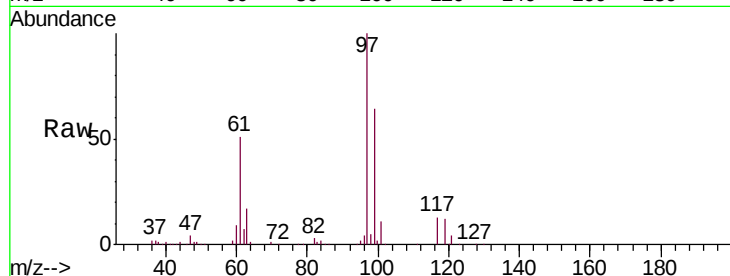




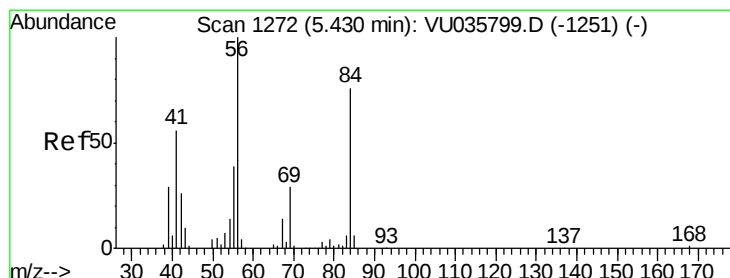
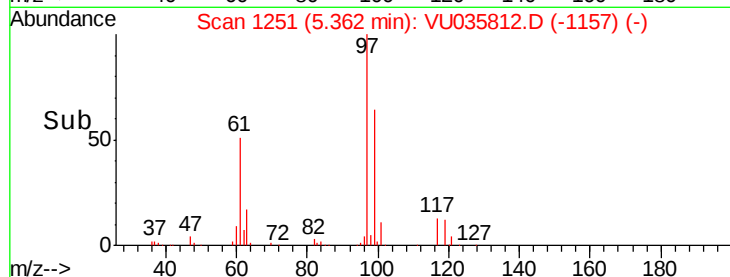
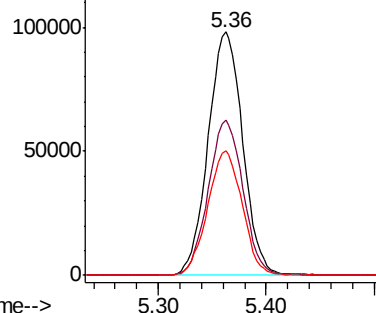
#29
1,1,1-Trichloroethane
Concen: 5.254 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU035812.D
Acq: 21 Nov 2019 19:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Tgt Ion: 97 Resp: 219548
Ion Ratio Lower Upper
97 100
99 63.7 51.9 77.9
61 51.1 40.3 60.5

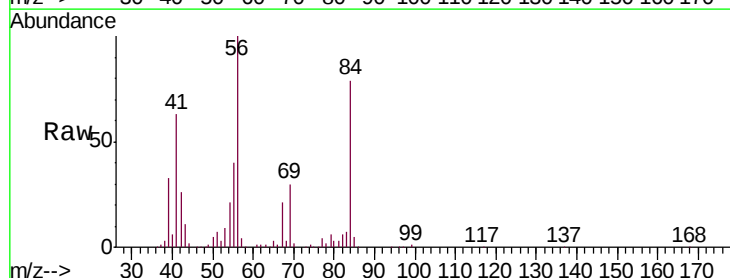


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

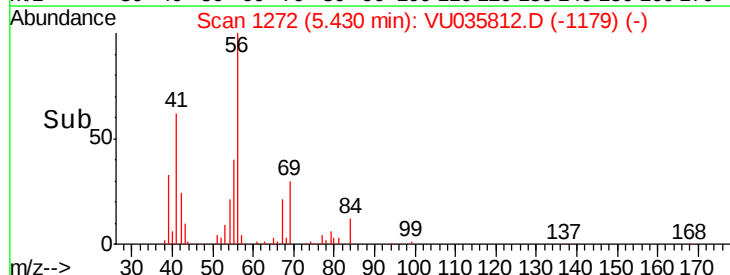
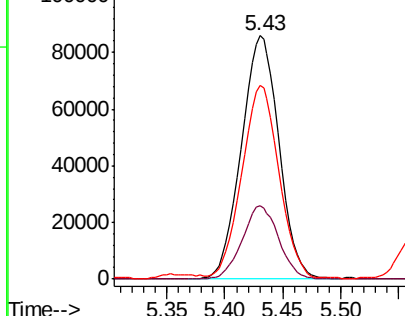


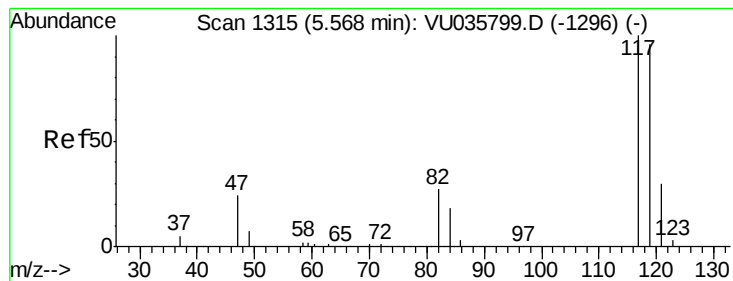
#30
Cyclohexane
Concen: 4.749 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU035812.D
Acq: 21 Nov 2019 19:41

Tgt Ion: 56 Resp: 193911
Ion Ratio Lower Upper
56 100
69 29.3 24.0 36.0
84 78.8 62.1 93.1



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





#31

Carbon tetrachloride

Concen: 5.254 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035812.D

Acq: 21 Nov 2019 19:41

Instrument :

MSVOA_U

ClientSampleId :

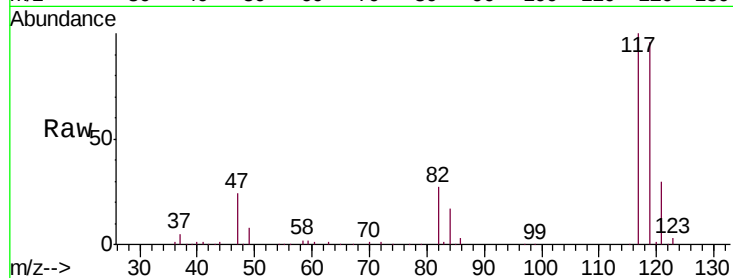
VSTD00528

Tgt Ion:117 Resp: 190133

Ion Ratio Lower Upper

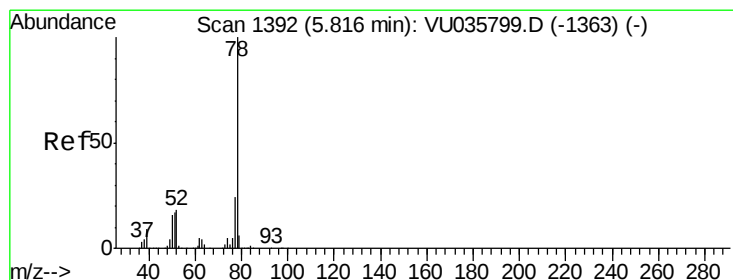
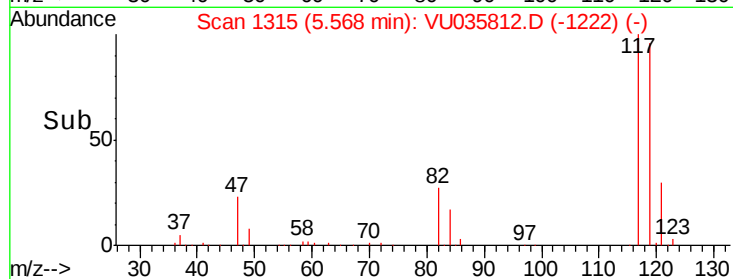
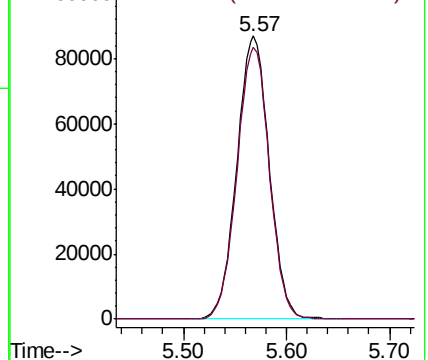
117 100

119 96.0 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.305 ug/L

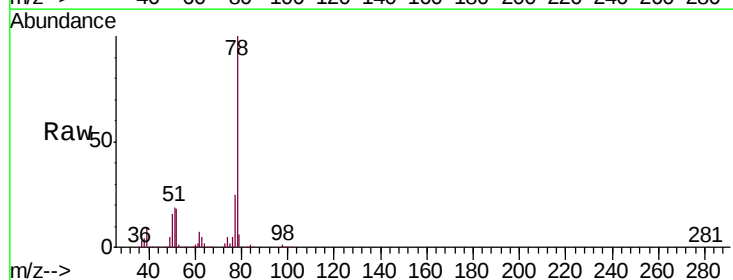
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

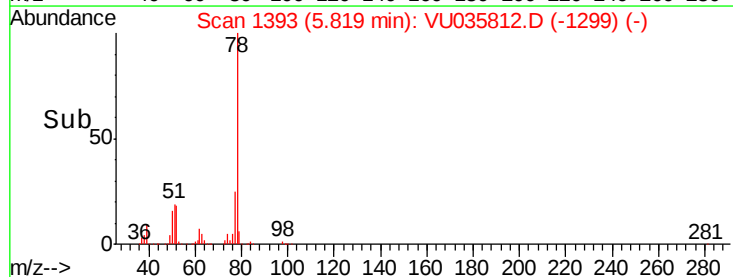
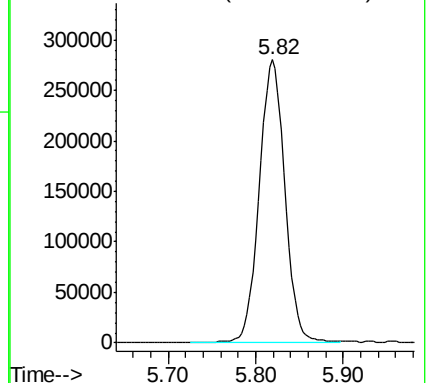
Lab File: VU035812.D

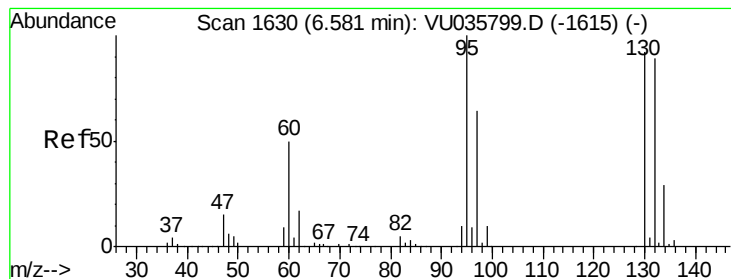
Acq: 21 Nov 2019 19:41

Tgt Ion: 78 Resp: 573058



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.301 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035812.D

Acq: 21 Nov 2019 19:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

Tgt Ion: 95 Resp: 140381

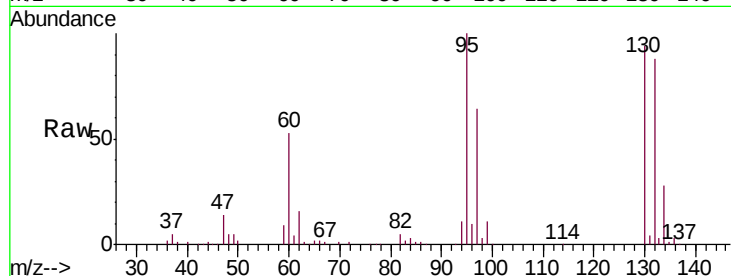
Ion Ratio Lower Upper

95 100

97 64.1 45.1 83.9

132 88.3 61.9 114.9

130 94.2 66.3 123.1

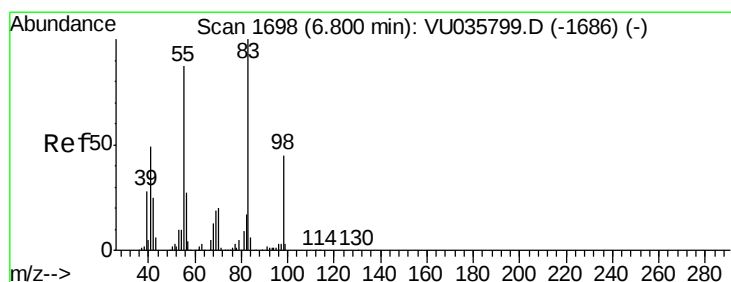
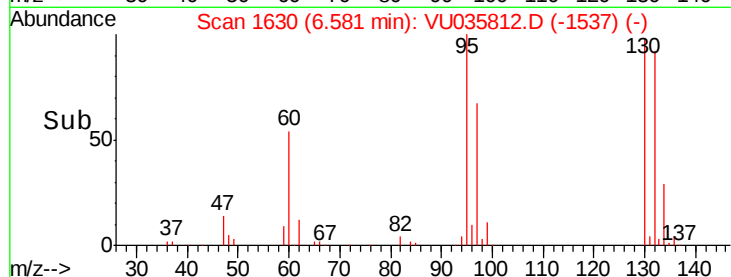
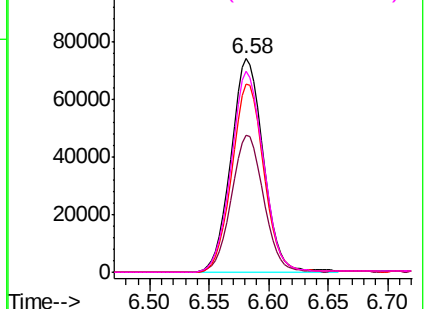


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.646 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU035812.D

Acq: 21 Nov 2019 19:41

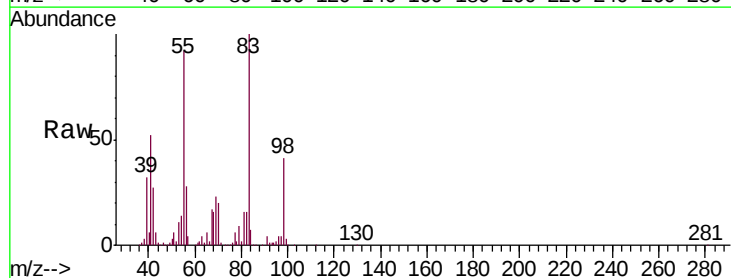
Tgt Ion: 83 Resp: 180559

Ion Ratio Lower Upper

83 100

55 94.5 72.7 109.1

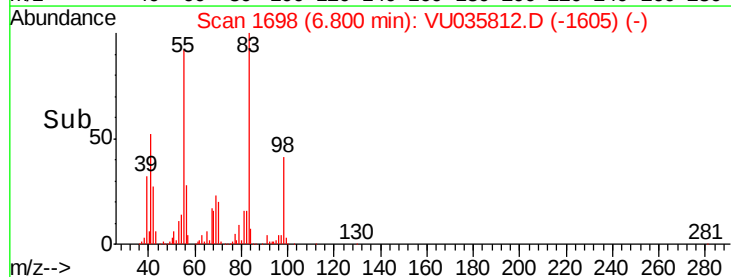
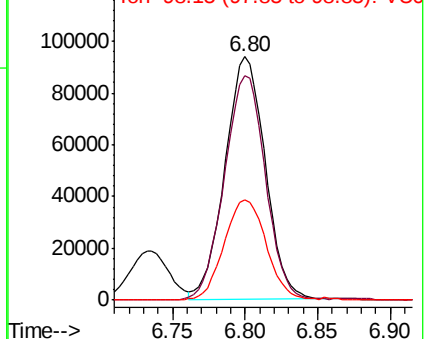
98 42.7 36.2 54.4

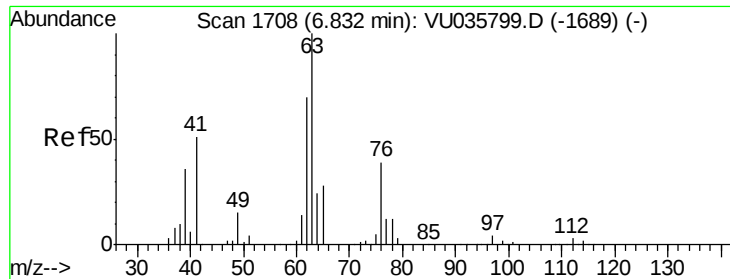


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

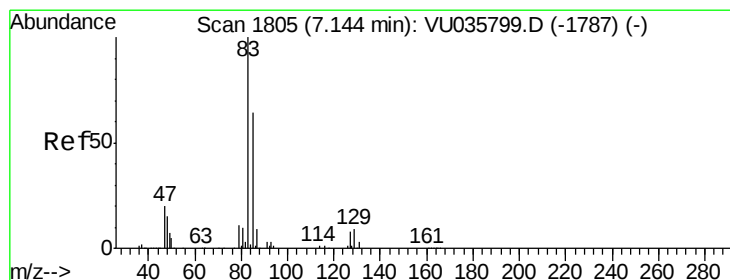
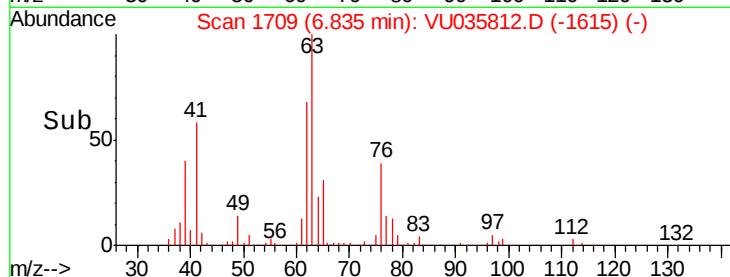
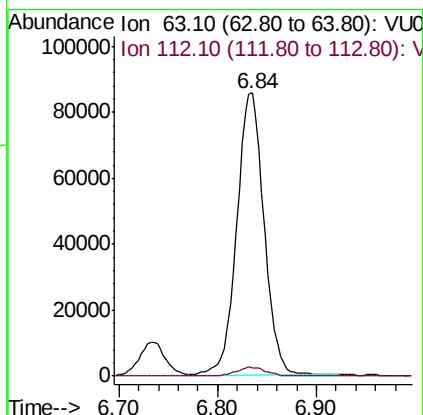
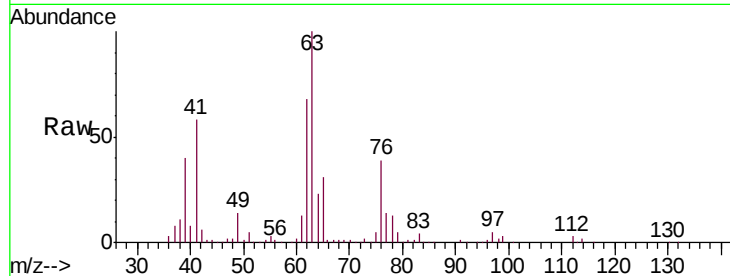




#37
 1,2-Dichloropropane
 Concen: 5.374 ug/L
 RT: 6.84 min Scan# 1709
 Delta R.T. 0.00 min
 Lab File: VU035812.D
 Acq: 21 Nov 2019 19:41

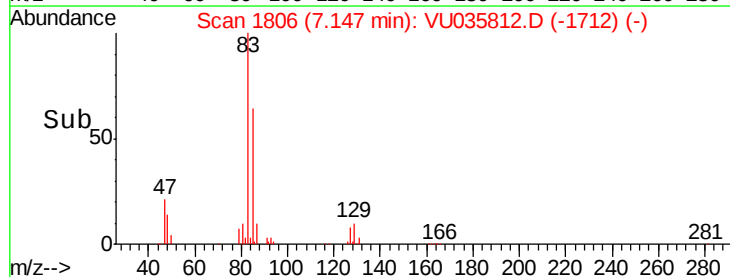
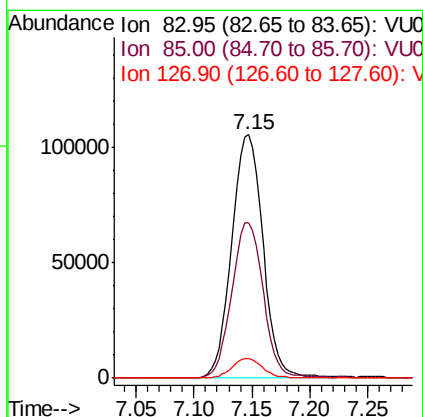
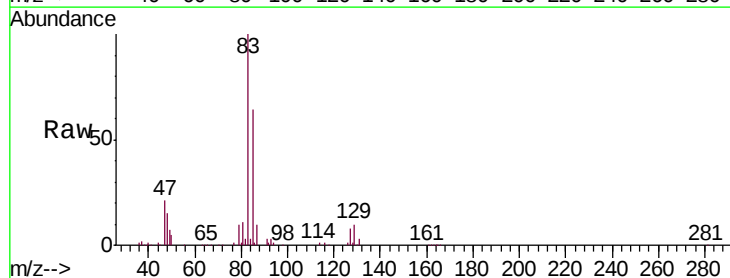
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

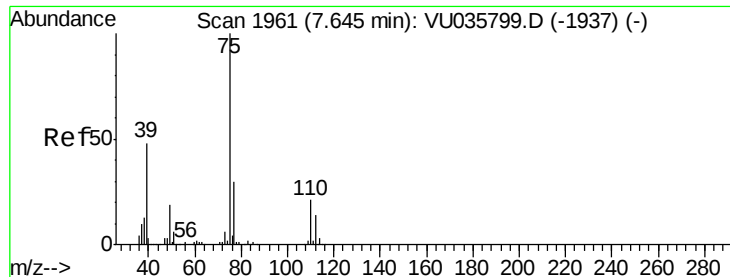
Tgt Ion: 63 Resp: 164627
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.7 4.1



#38
 Bromodichloromethane
 Concen: 5.376 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VU035812.D
 Acq: 21 Nov 2019 19:41

Tgt Ion: 83 Resp: 197394
 Ion Ratio Lower Upper
 83 100
 85 63.8 45.6 84.8
 127 8.0 6.0 9.0



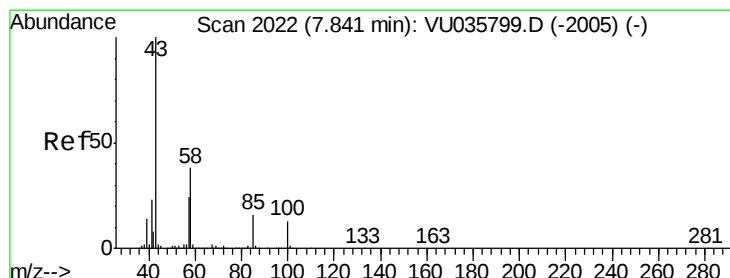
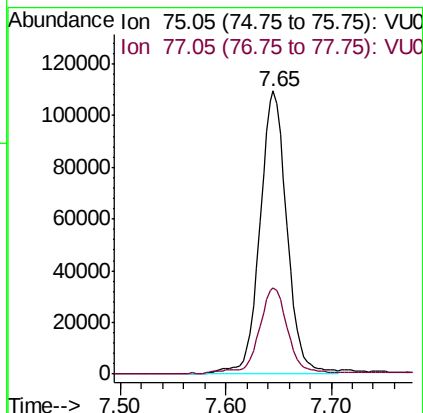
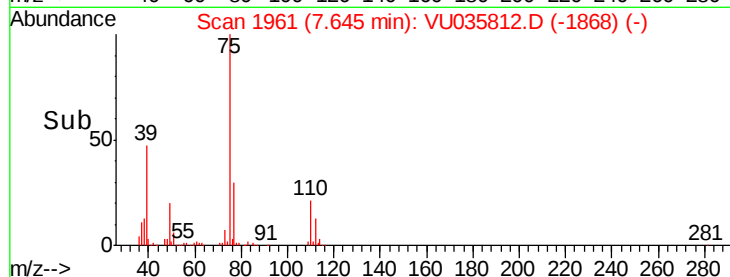
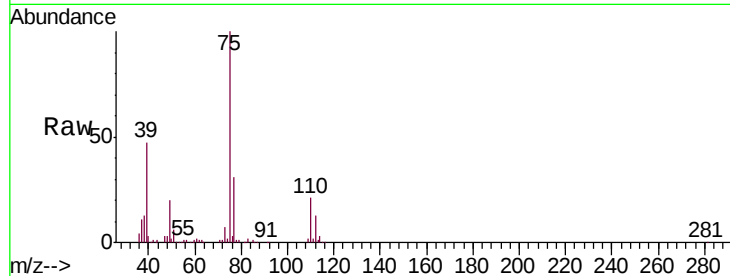


#39

cis-1,3-Dichloropropene
 Concen: 4.949 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU035812.D
 Acq: 21 Nov 2019 19:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

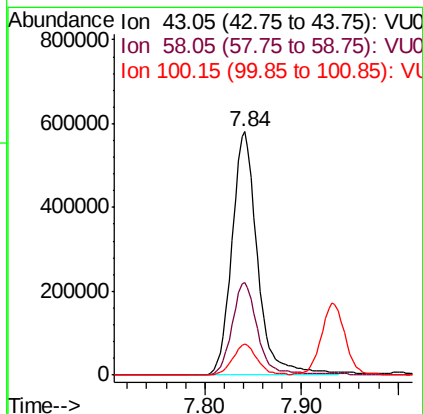
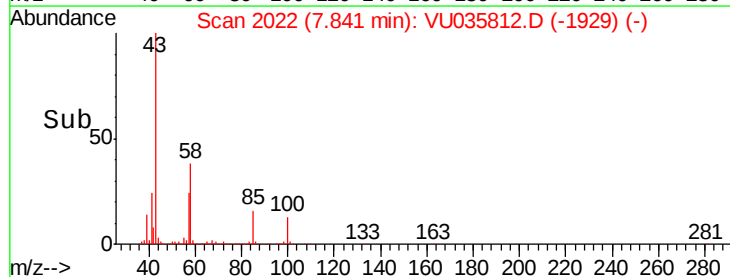
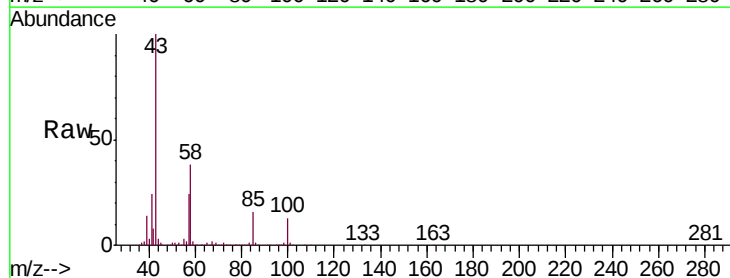
Tgt Ion: 75 Resp: 196273
 Ion Ratio Lower Upper
 75 100
 77 30.5 22.1 41.1

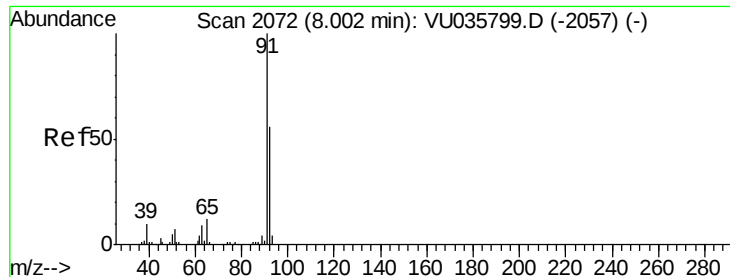


#40

4-Methyl-2-pentanone
 Concen: 56.849 ug/L
 RT: 7.84 min Scan# 2022
 Delta R.T. 0.00 min
 Lab File: VU035812.D
 Acq: 21 Nov 2019 19:41

Tgt Ion: 43 Resp: 1069218
 Ion Ratio Lower Upper
 43 100
 58 37.7 30.8 46.2
 100 12.2 10.0 15.0





#42

Toluene

Concen: 5.420 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035812.D

Acq: 21 Nov 2019 19:41

Instrument :

MSVOA_U

ClientSampleId :

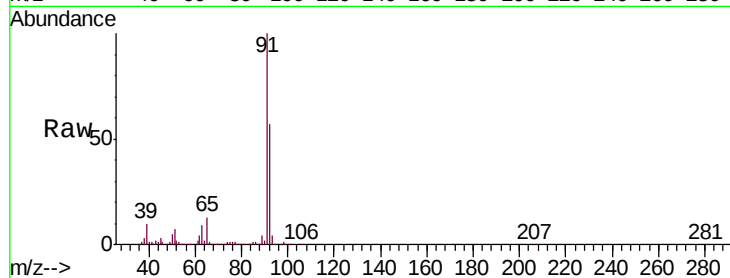
VSTD00528

Tgt Ion: 91 Resp: 609082

Ion Ratio Lower Upper

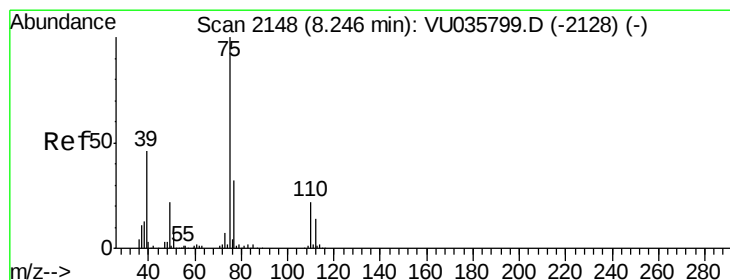
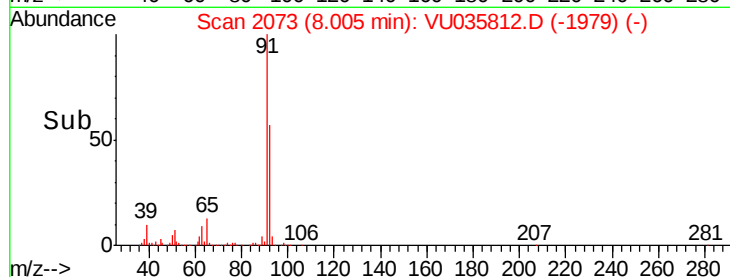
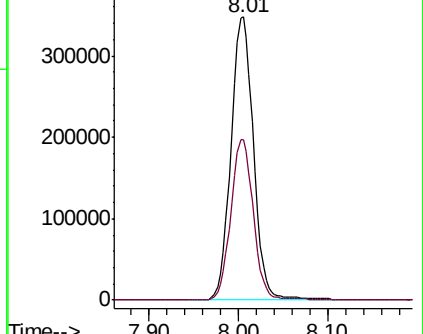
91 100

92 56.8 40.4 75.0



Abundance Ion 91.15 (90.85 to 91.85): VU035799.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU035799.D (-2057) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.334 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU035812.D

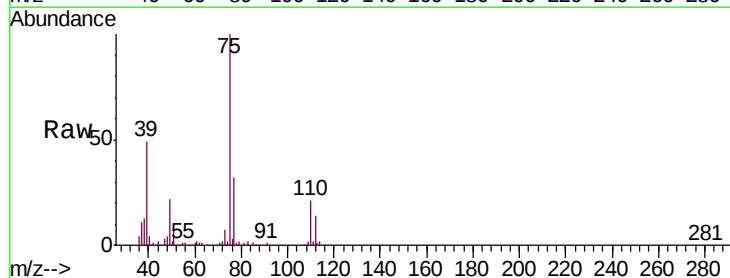
Acq: 21 Nov 2019 19:41

Tgt Ion: 75 Resp: 175409

Ion Ratio Lower Upper

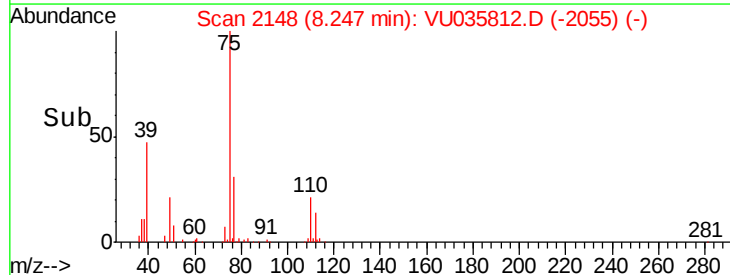
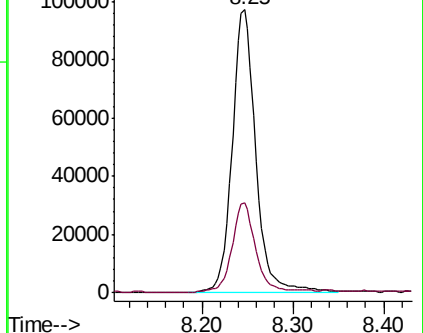
75 100

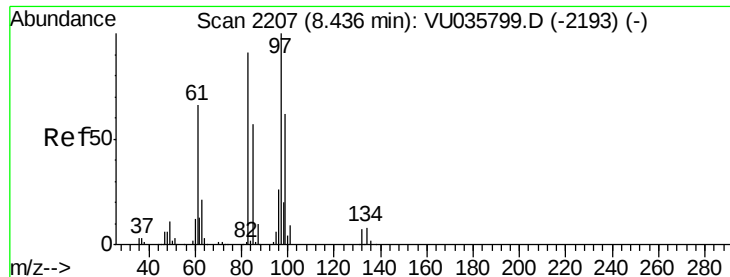
77 31.9 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VU035799.D (-2128) (-)

Ion 77.05 (76.75 to 77.75): VU035799.D (-2128) (-)

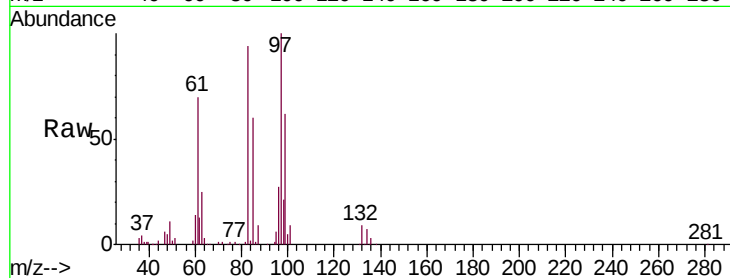




#45
 1,1,2-Trichloroethane
 Concen: 5.440 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU035812.D
 Acq: 21 Nov 2019 19:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tgt Ion:	97	Resp:	108600
Ion	Ratio	Lower	Upper
97	100		
99	61.8	44.2	82.0
83	93.9	62.2	115.6
85	59.6	41.5	77.1



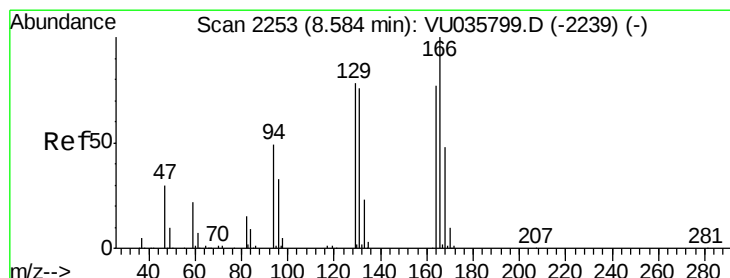
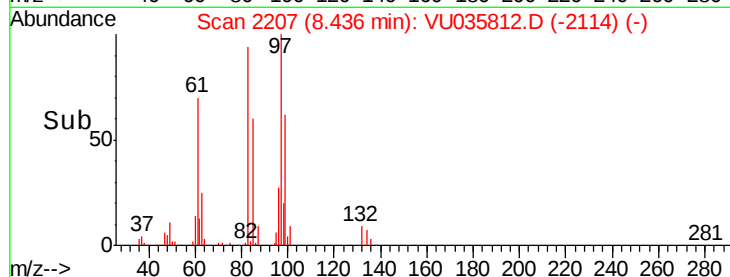
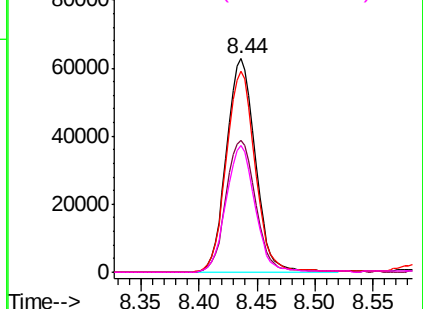
Abundance

Ion 96.95 (96.65 to 97.65): VU035812.D (-2114) (-)

Ion 99.05 (98.75 to 99.75): VU035812.D (-2114) (-)

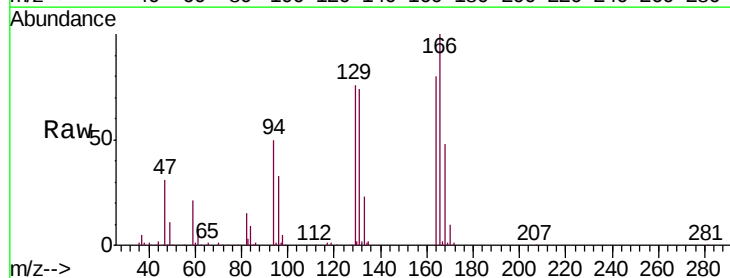
Ion 82.95 (82.65 to 83.65): VU035812.D (-2114) (-)

Ion 85.00 (84.70 to 85.70): VU035812.D (-2114) (-)



#47
 Tetrachloroethene
 Concen: 5.074 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU035812.D
 Acq: 21 Nov 2019 19:41

Tgt Ion:	164	Resp:	102252
Ion	Ratio	Lower	Upper
164	100		
129	95.4	68.8	127.8
131	93.0	67.3	124.9
166	125.1	91.6	170.2



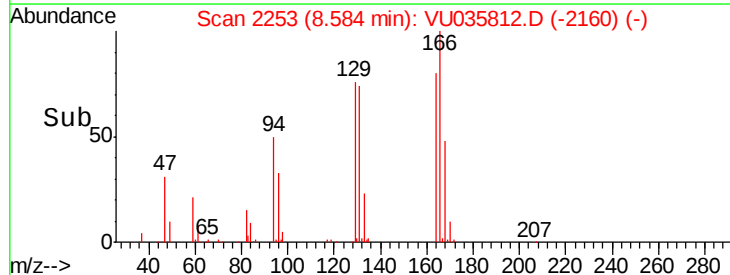
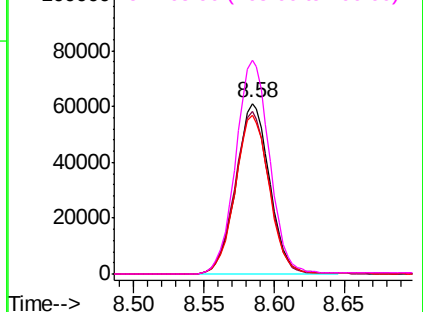
Abundance

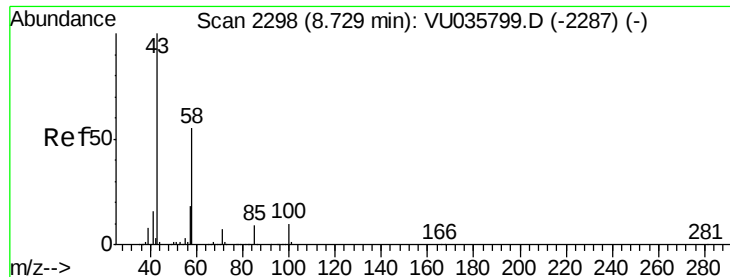
Ion 163.90 (163.60 to 164.60): VU035812.D (-2160) (-)

Ion 128.95 (128.65 to 129.65): VU035812.D (-2160) (-)

Ion 130.95 (130.65 to 131.65): VU035812.D (-2160) (-)

Ion 165.90 (165.60 to 166.60): VU035812.D (-2160) (-)

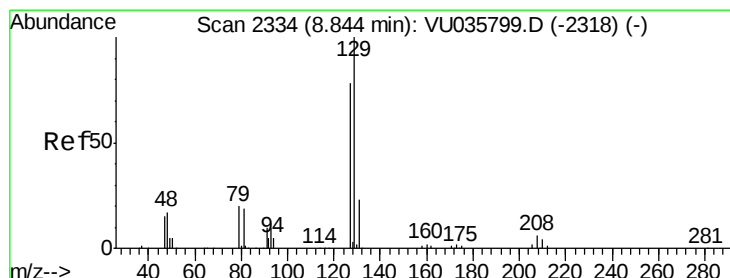
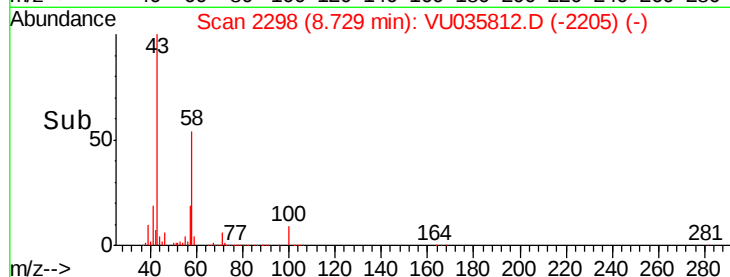
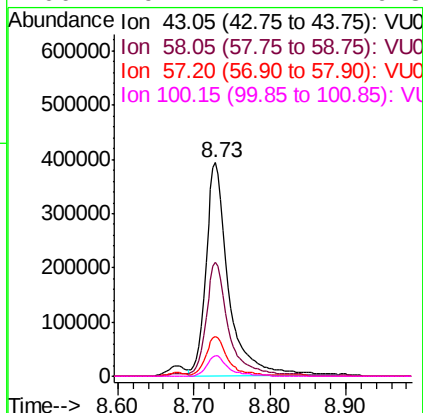
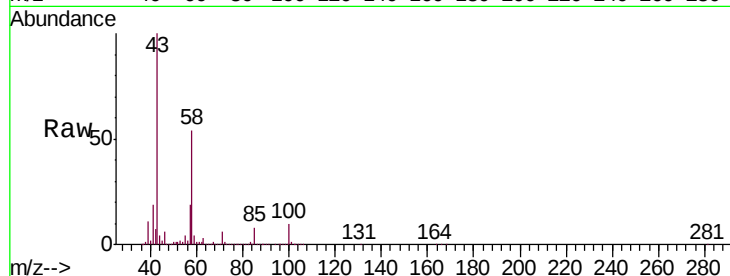




#48
2-Hexanone
Concen: 58.081 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. 0.00 min
Lab File: VU035812.D
Acq: 21 Nov 2019 19:41

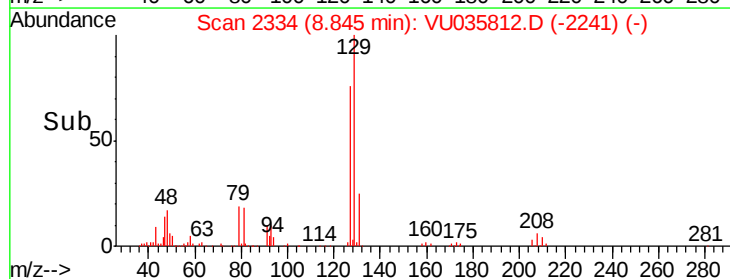
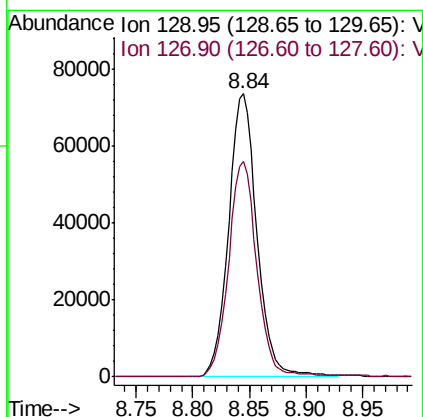
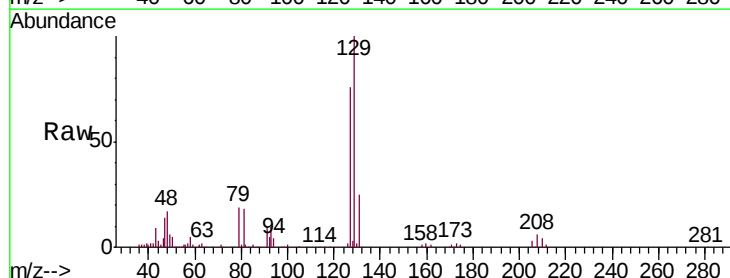
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

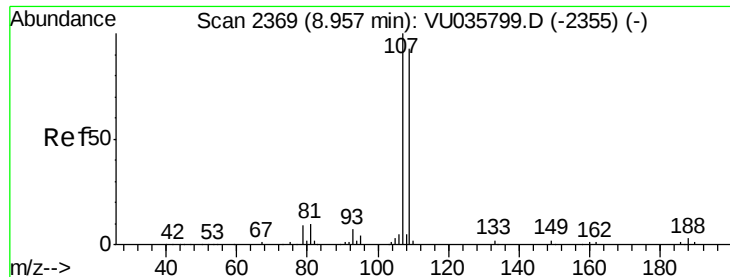
Tgt Ion:	43	Resp:	804248
Ion	Ratio	Lower	Upper
43	100		
58	55.3	39.8	59.8
57	18.0	14.0	21.0
100	9.4	7.2	10.8



#49
Dibromochloromethane
Concen: 5.453 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035812.D
Acq: 21 Nov 2019 19:41

Tgt Ion:	129	Resp:	128417
Ion	Ratio	Lower	Upper
129	100		
127	75.9	53.1	98.5

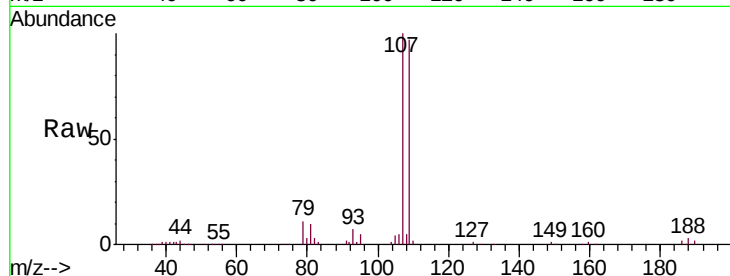




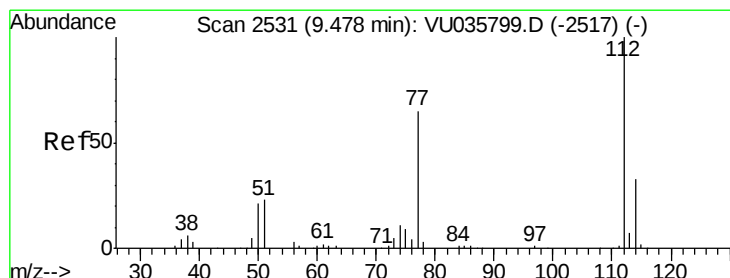
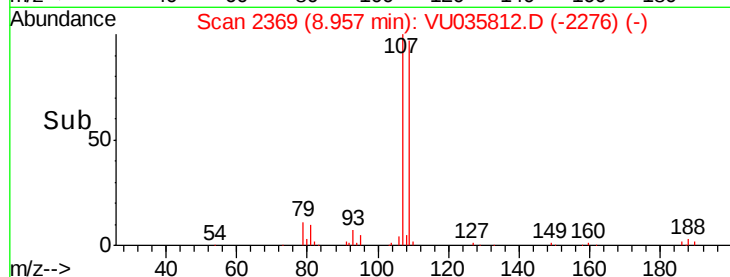
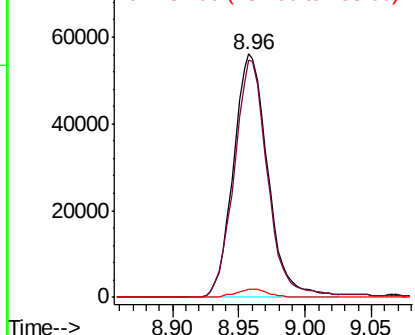
#50
1,2-Dibromoethane
Concen: 5.517 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VU035812.D
Acq: 21 Nov 2019 19:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Tgt Ion	Ratio	Lower	Upper
107	100		
109	97.4	62.6	116.3
188	3.1	2.8	4.2

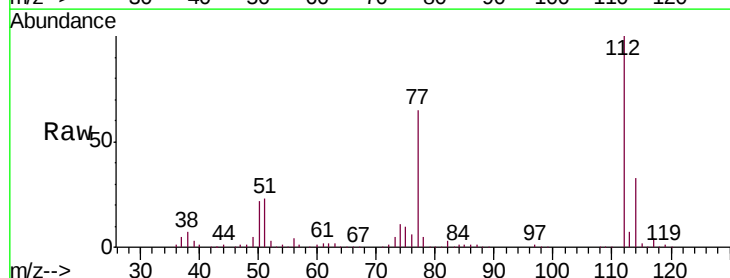


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

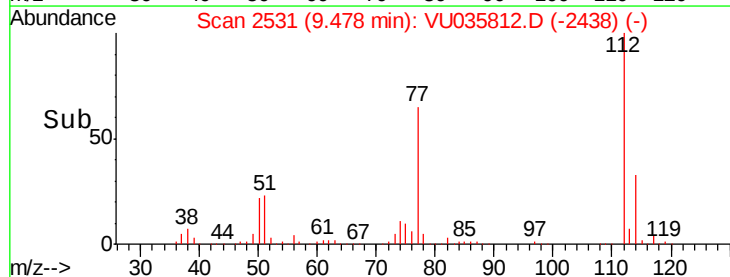
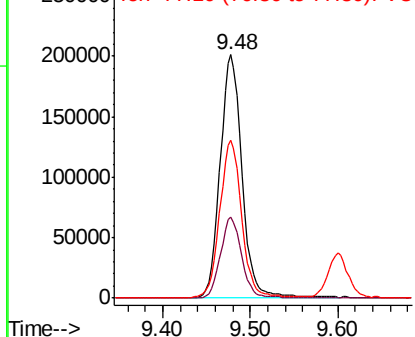


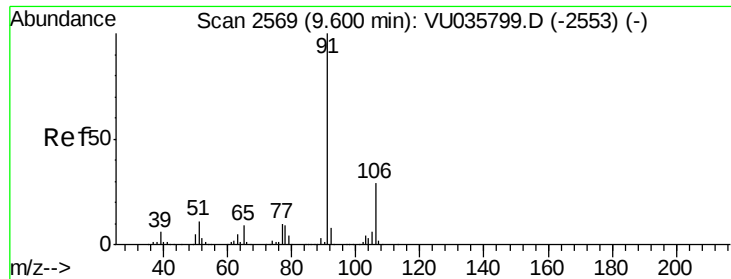
#51
Chlorobenzene
Concen: 5.052 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU035812.D
Acq: 21 Nov 2019 19:41

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.0	22.2	41.2
77	64.9	50.1	75.1



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): VU





#52

Ethylbenzene

Concen: 4.938 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035812.D

Acq: 21 Nov 2019 19:41

Instrument :

MSVOA_U

ClientSampleId :

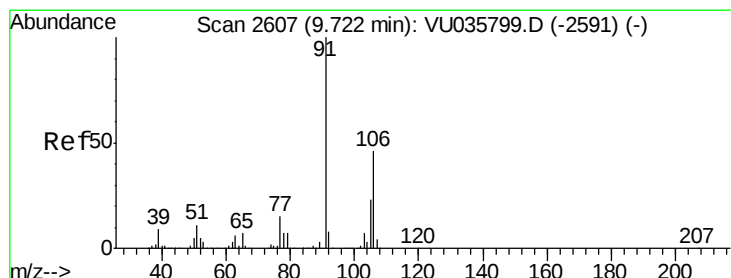
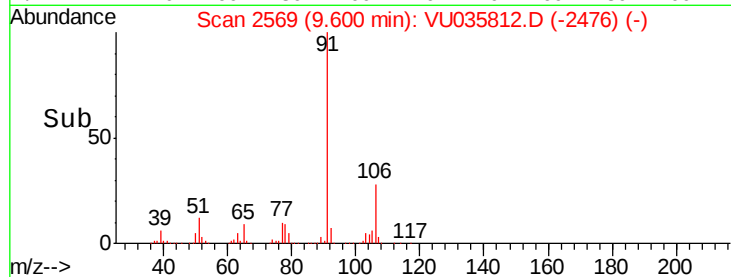
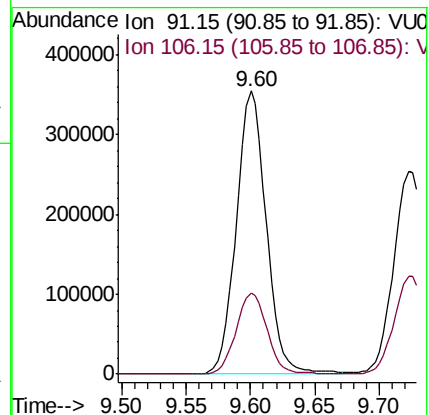
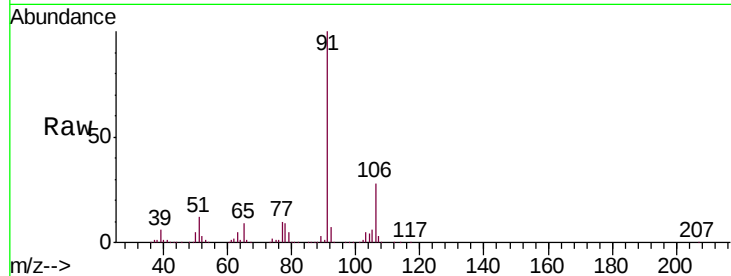
VSTD00528

Tgt Ion: 91 Resp: 573770

Ion Ratio Lower Upper

91 100

106 28.5 21.2 39.4



#53

m,p-Xylene

Concen: 5.211 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VU035812.D

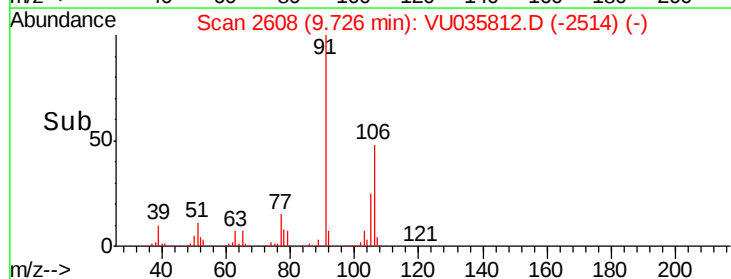
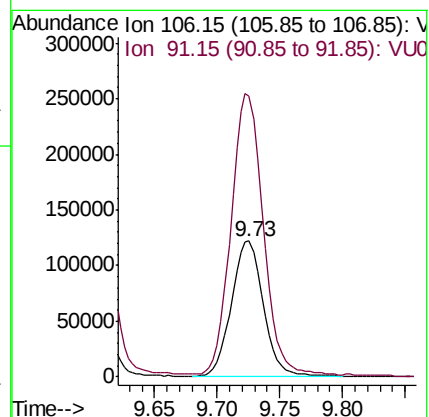
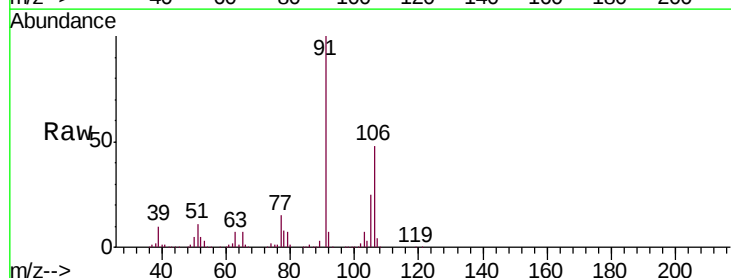
Acq: 21 Nov 2019 19:41

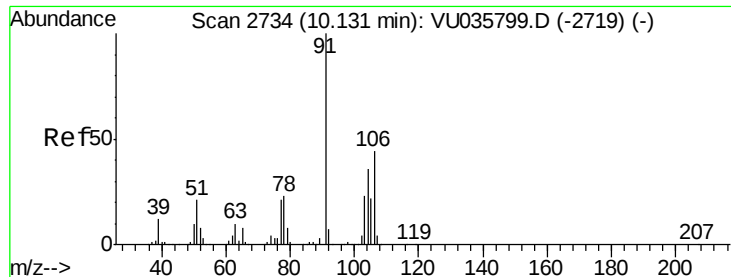
Tgt Ion: 106 Resp: 213441

Ion Ratio Lower Upper

106 100

91 207.0 149.9 278.5

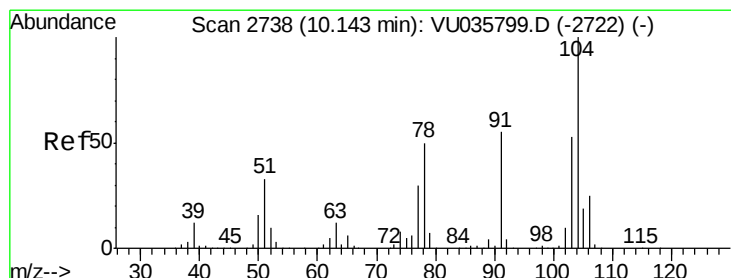
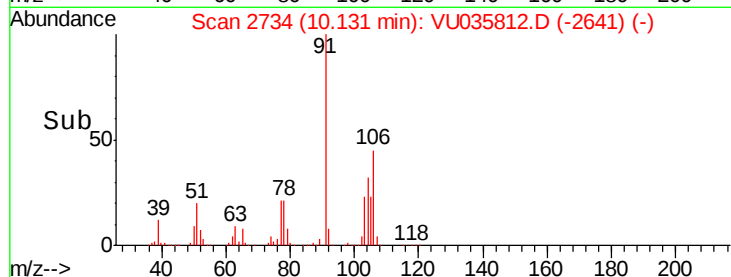
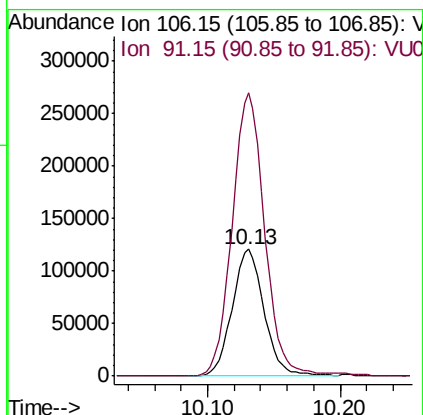
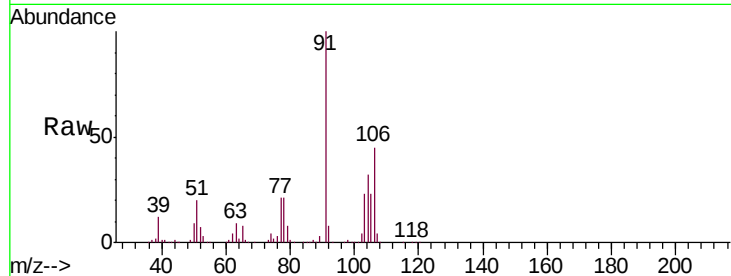




#54
o-Xylene
Concen: 5.082 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU035812.D
Acq: 21 Nov 2019 19:41

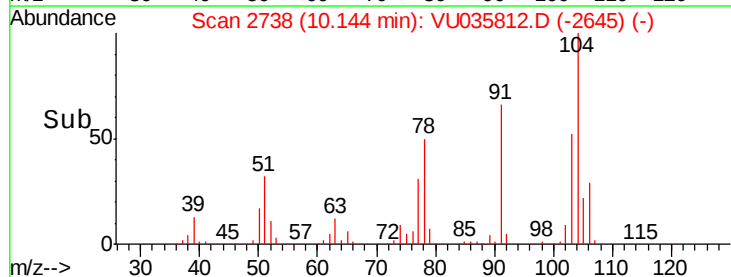
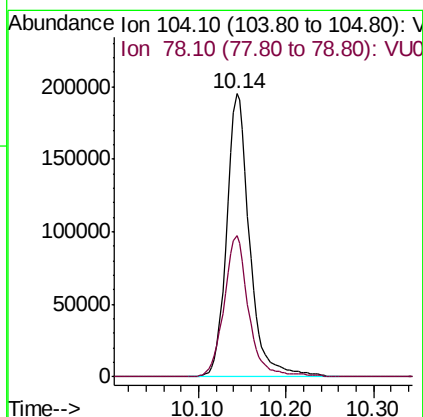
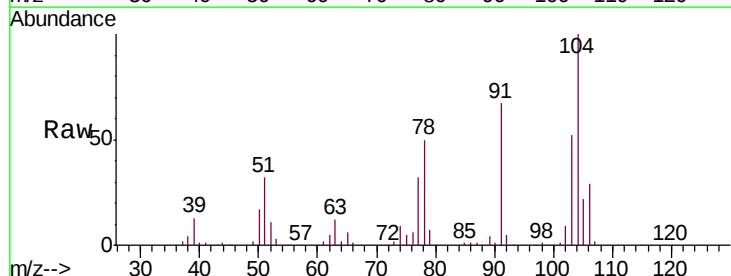
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

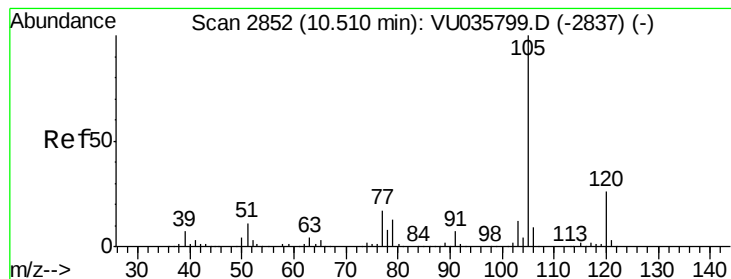
Tgt Ion:106 Resp: 202171
Ion Ratio Lower Upper
106 100
91 223.0 153.6 285.2



#55
Styrene
Concen: 5.399 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU035812.D
Acq: 21 Nov 2019 19:41

Tgt Ion:104 Resp: 356219
Ion Ratio Lower Upper
104 100
78 49.8 33.9 62.9





#56

Isopropylbenzene

Concen: 5.094 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035812.D

Acq: 21 Nov 2019 19:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

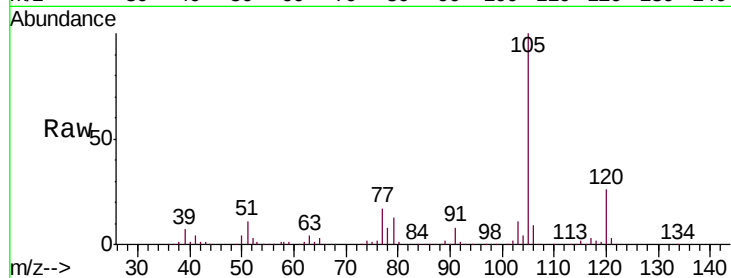
Tgt Ion: 105 Resp: 535340

Ion Ratio Lower Upper

105 100

120 26.0 20.2 30.2

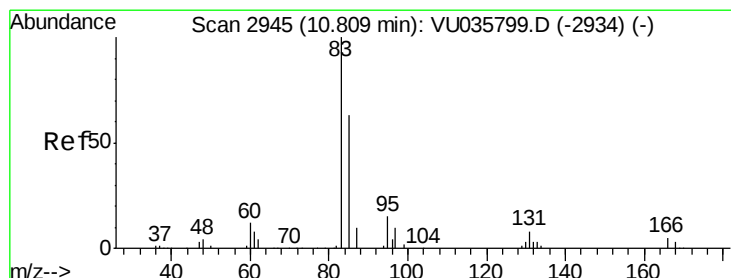
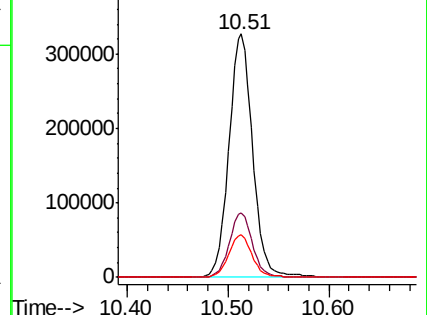
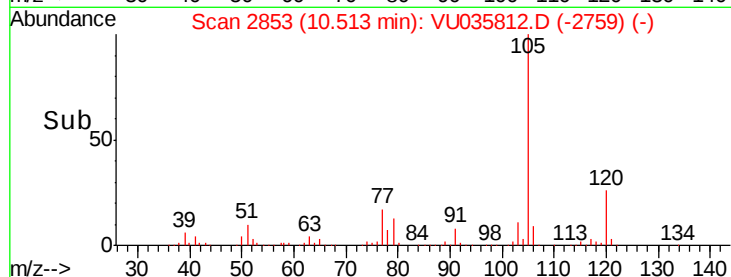
77 17.5 13.7 20.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.272 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VU035812.D

Acq: 21 Nov 2019 19:41

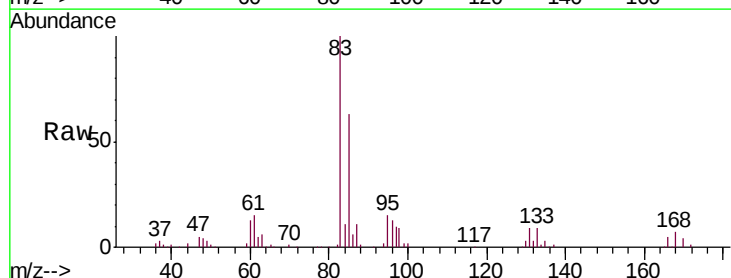
Tgt Ion: 83 Resp: 145625

Ion Ratio Lower Upper

83 100

85 63.0 44.6 82.8

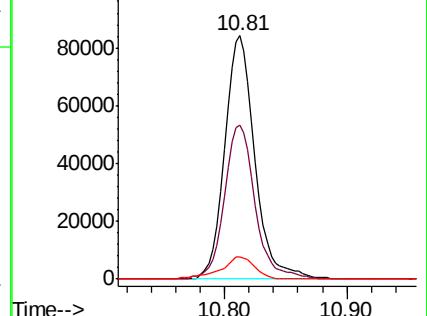
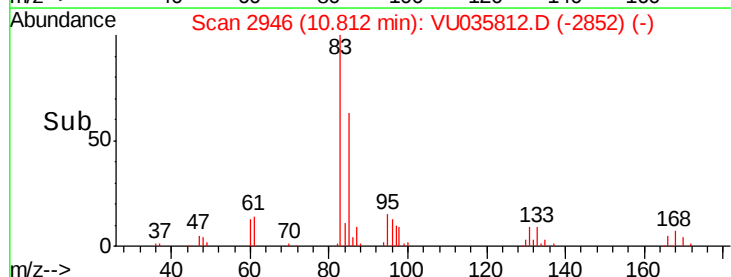
131 9.2 6.9 10.3

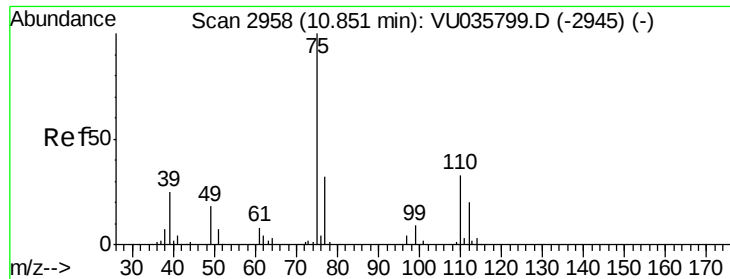


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V

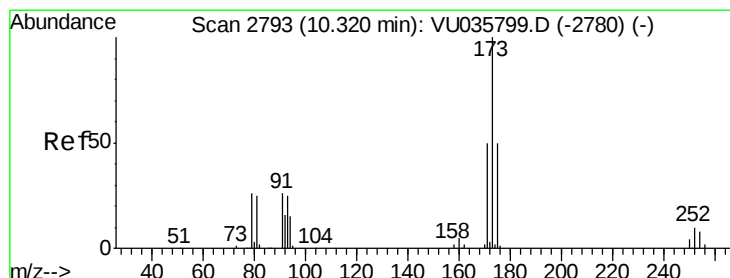
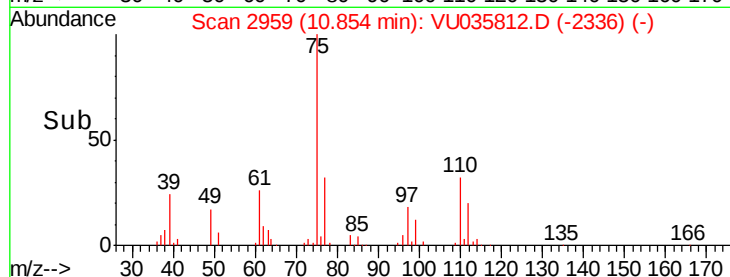
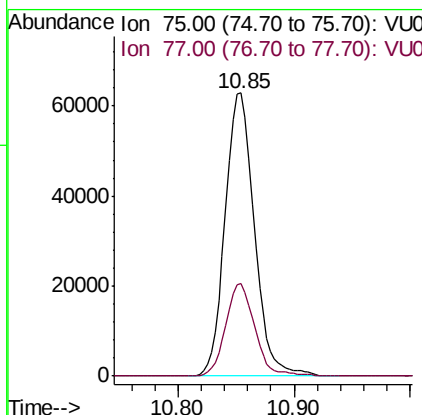
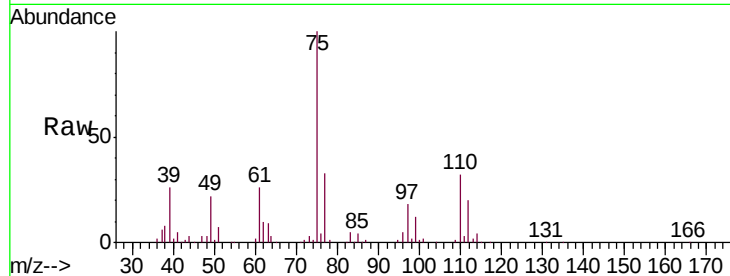




#59
 1,2,3-Trichloropropane
 Concen: 5.511 ug/L
 RT: 10.85 min Scan# 2959
 Delta R.T. 0.00 min
 Lab File: VU035812.D
 Acq: 21 Nov 2019 19:41

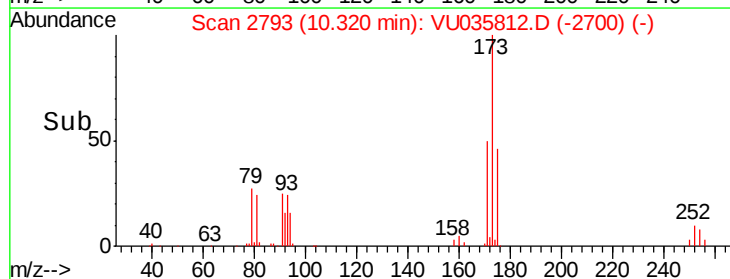
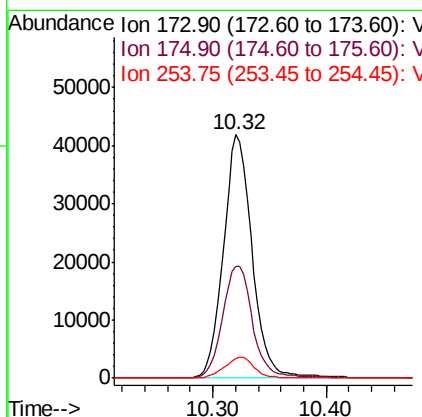
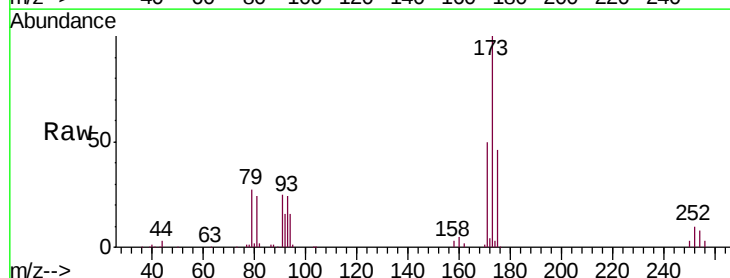
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

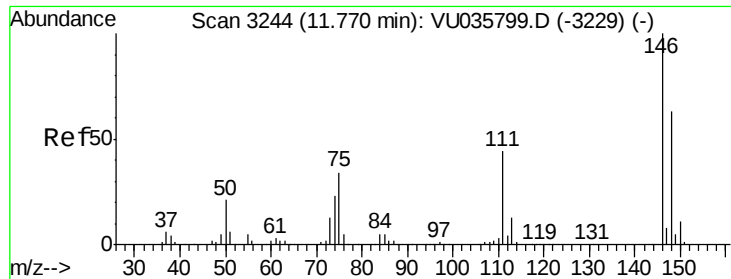
Tgt Ion: 75 Resp: 109753
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.4 38.2



#61
 Bromoform
 Concen: 5.476 ug/L
 RT: 10.32 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VU035812.D
 Acq: 21 Nov 2019 19:41

Tgt Ion: 173 Resp: 73828
 Ion Ratio Lower Upper
 173 100
 175 48.5 40.1 60.1
 254 8.7 7.1 10.7

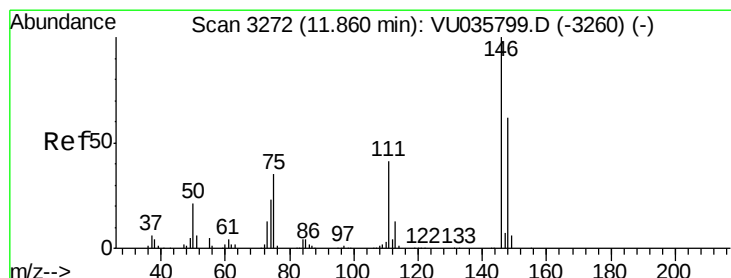
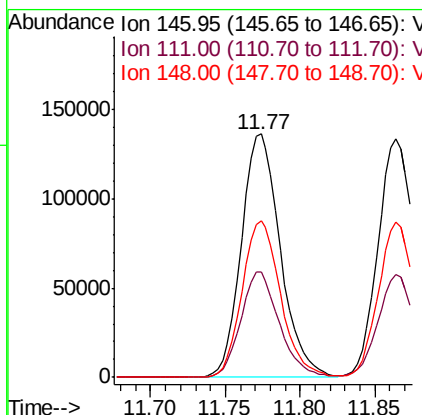
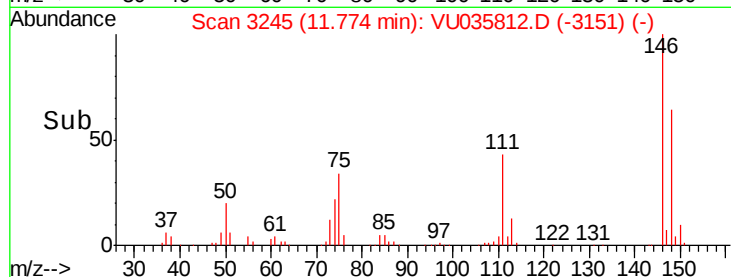
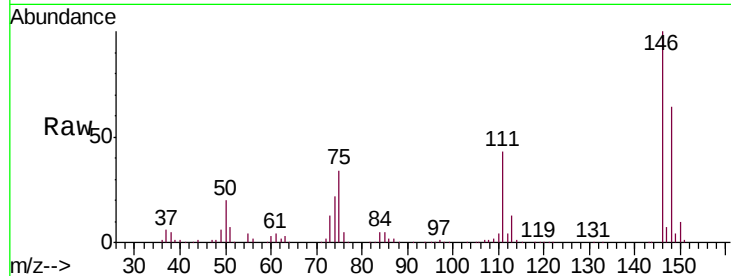




#62
 1,3-Dichlorobenzene
 Concen: 5.140 ug/L
 RT: 11.77 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VU035812.D
 Acq: 21 Nov 2019 19:41

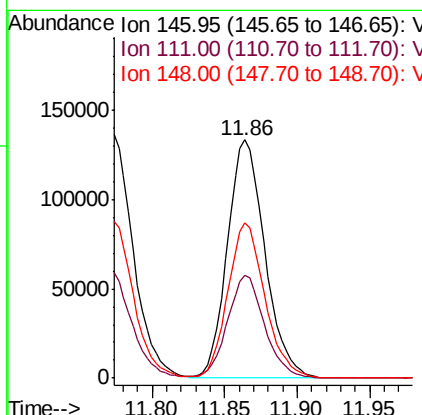
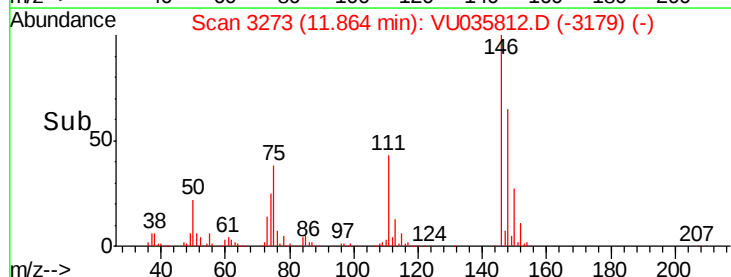
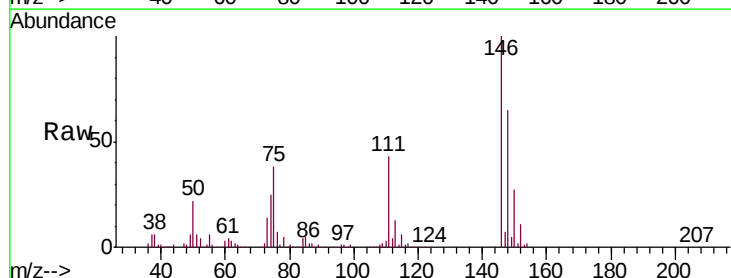
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

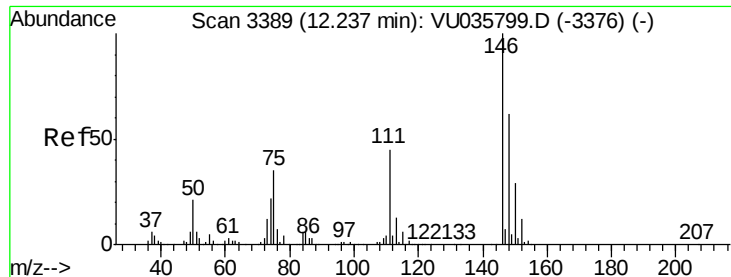
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.1	29.5	54.7
148	64.5	44.1	81.9



#63
 1,4-Dichlorobenzene
 Concen: 5.051 ug/L
 RT: 11.86 min Scan# 3273
 Delta R.T. 0.00 min
 Lab File: VU035812.D
 Acq: 21 Nov 2019 19:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	27.9	51.7
148	65.2	44.2	82.2





#65

1,2-Dichlorobenzene

Concen: 5.160 ug/L

RT: 12.24 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU035812.D

Acq: 21 Nov 2019 19:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

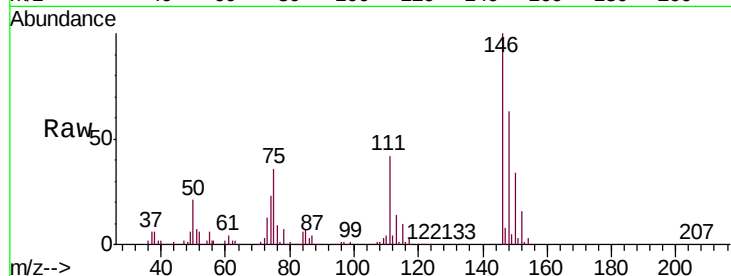
Tgt Ion:146 Resp: 237122

Ion Ratio Lower Upper

146 100

111 42.3 35.4 53.0

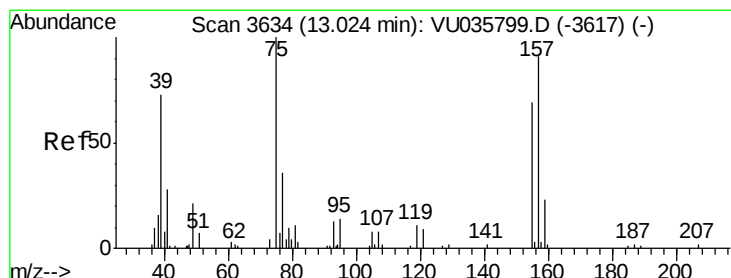
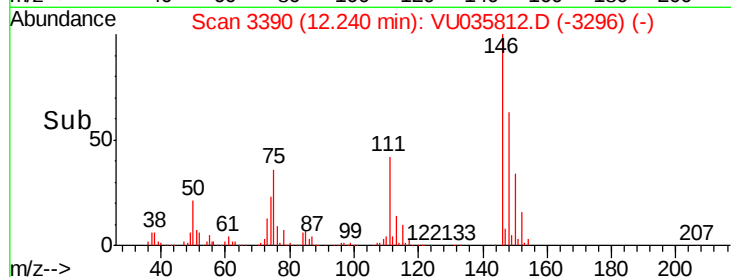
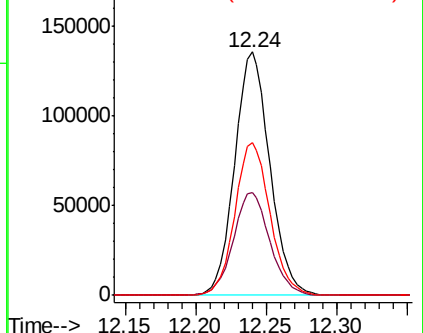
148 62.7 50.8 76.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.849 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. 0.00 min

Lab File: VU035812.D

Acq: 21 Nov 2019 19:41

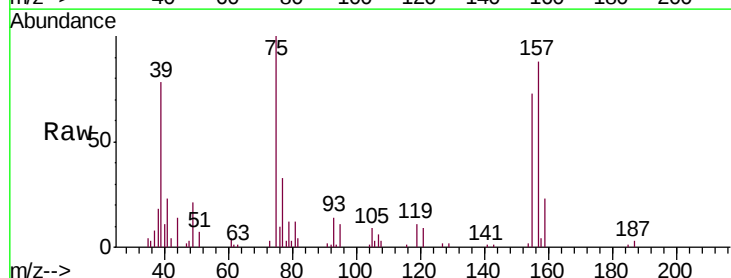
Tgt Ion: 75 Resp: 18440

Ion Ratio Lower Upper

75 100

155 72.9 55.4 83.2

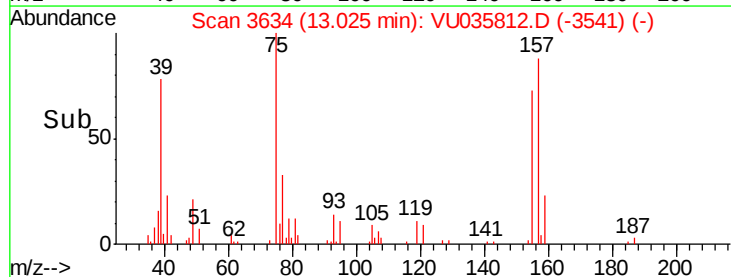
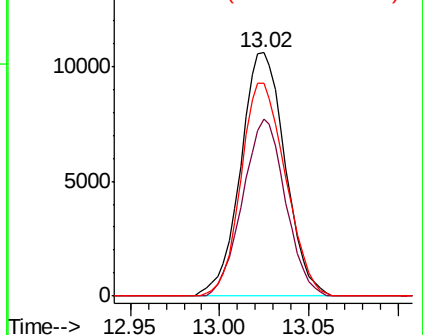
157 87.6 69.4 104.2

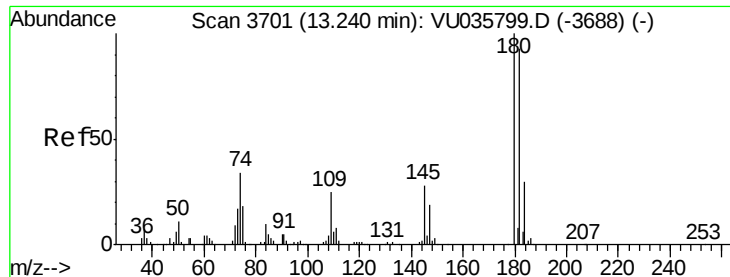


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

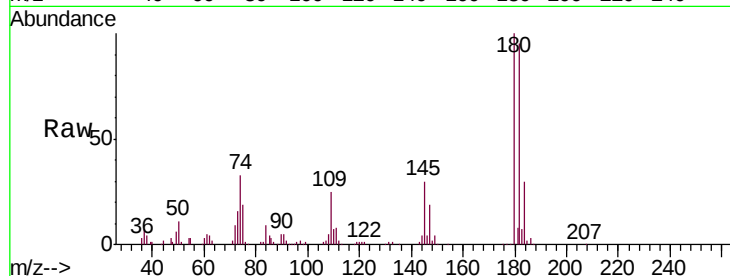




#67
 1,3,5-Trichlorobenzene
 Concen: 4.493 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU035812.D
 Acq: 21 Nov 2019 19:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.6	113.4
184	30.2	24.1	36.1
145	30.7	23.7	35.5



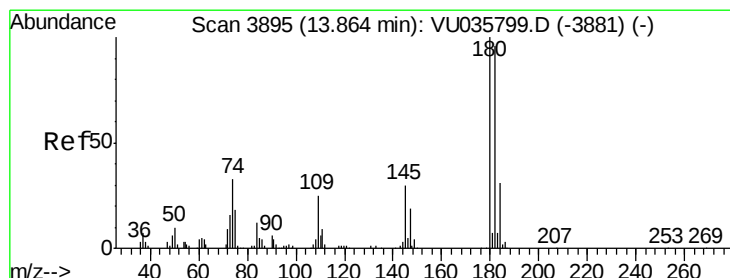
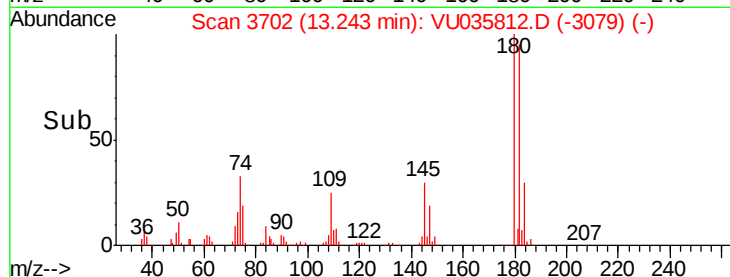
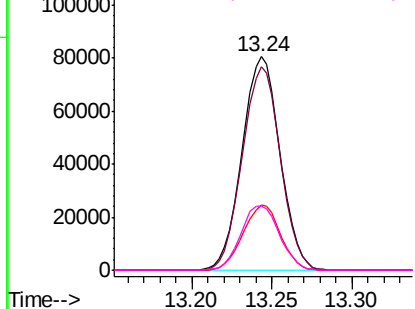
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

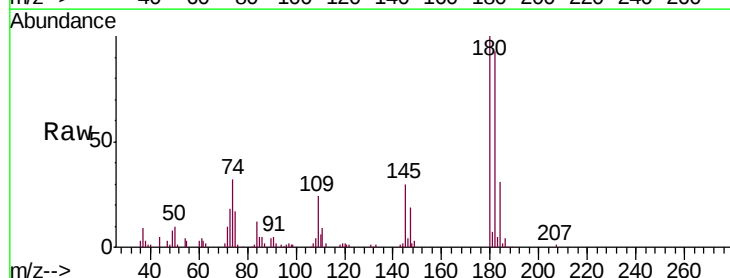
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.220 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU035812.D
 Acq: 21 Nov 2019 19:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.1	112.7
145	30.9	24.0	36.0

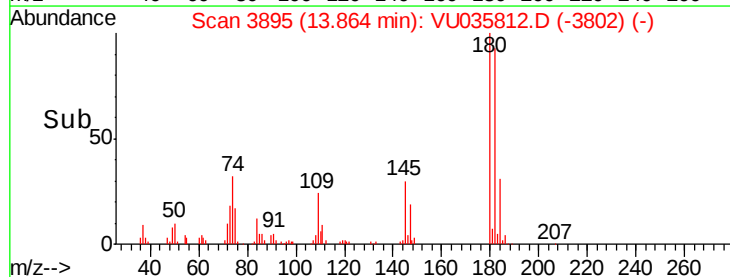
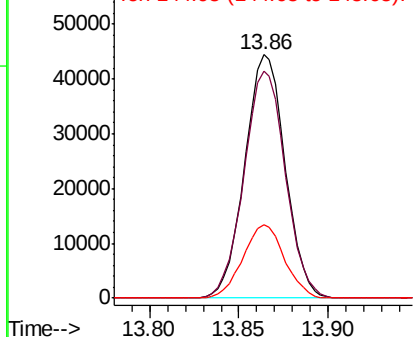


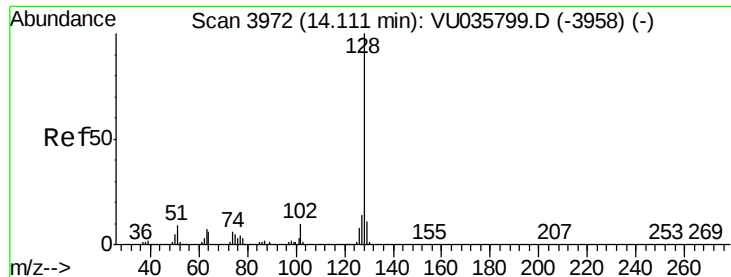
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 3.712 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU035812.D

Acq: 21 Nov 2019 19:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

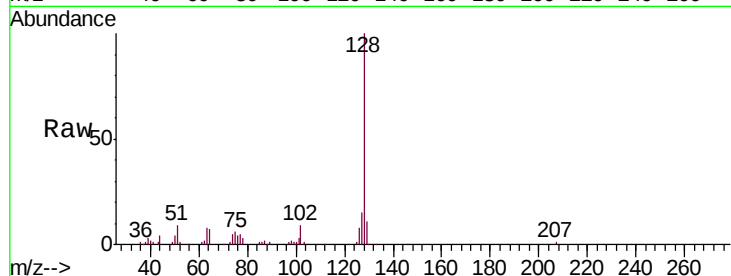
Tgt Ion:128 Resp: 86952

Ion Ratio Lower Upper

128 100

129 10.4 9.0 13.4

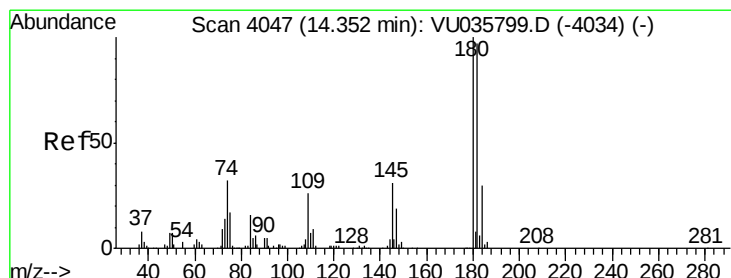
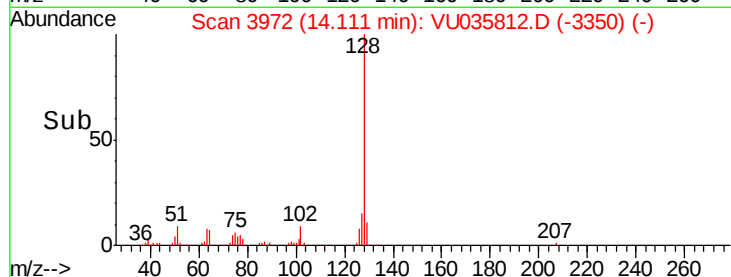
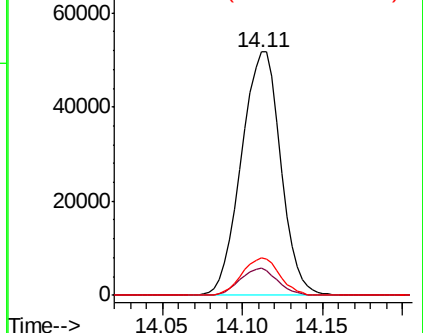
127 14.7 11.8 17.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.574 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. 0.00 min

Lab File: VU035812.D

Acq: 21 Nov 2019 19:41

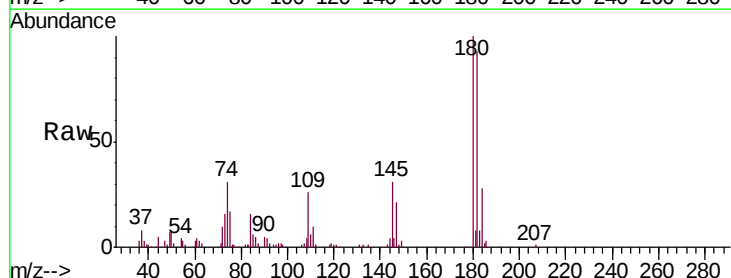
Tgt Ion:180 Resp: 73996

Ion Ratio Lower Upper

180 100

182 92.9 77.4 116.0

145 30.7 24.7 37.1



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

