

Data File : VU041387.D
Acq On : 23 Nov 2020 14:28
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Quant Time: Nov 24 01:47:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 24 01:45:14 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	84299	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	85498	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	42472	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	25603	4.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.40%
7) Chloroethane-d5	1.92	69	18801	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.58	63	56212	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.80%
20) 2-Butanone-d5	4.64	46	69168	45.82	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.64%
24) Chloroform-d	5.08	84	55095	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	5.72	65	31232	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
32) Benzene-d6	5.74	84	93922	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
36) 1,2-Dichloropropane-d6	6.70	67	31747	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.90	98	94550	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
43) trans-1,3-Dichloropropene-	8.18	79	13897	4.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.00%
46) 2-Hexanone-d5	8.64	63	49047	49.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.22%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	25200	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	33755	4.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	41231	5.063	ug/L 98
3) Chloromethane	1.53	50	35369	5.107	ug/L 100
5) Vinyl chloride	1.61	62	34333	4.661	ug/L 99
6) Bromomethane	1.86	94	14840	5.341	ug/L 99
8) Chloroethane	1.94	64	19619	4.698	ug/L 97
9) Trichlorofluoromethane	2.14	101	57535	5.043	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	30862	5.252	ug/L 97
12) 1,1-Dichloroethene	2.59	96	27056	5.212	ug/L 91
13) Acetone	2.63	43	52498	51.464	ug/L 99
14) Carbon disulfide	2.80	76	90896	5.013	ug/L 99
15) Methyl Acetate	2.96	43	12748	5.304	ug/L 99
16) Methylene chloride	3.06	84	38831	5.234	ug/L 94
17) Methyl tert-butyl Ether	3.38	73	67048	5.187	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	27929	4.961	ug/L 95
19) 1,1-Dichloroethane	3.89	63	55059	4.916	ug/L 97
21) 2-Butanone	4.72	43	82382	50.846	ug/L 100
22) cis-1,2-Dichloroethene	4.68	96	30050	5.020	ug/L 96

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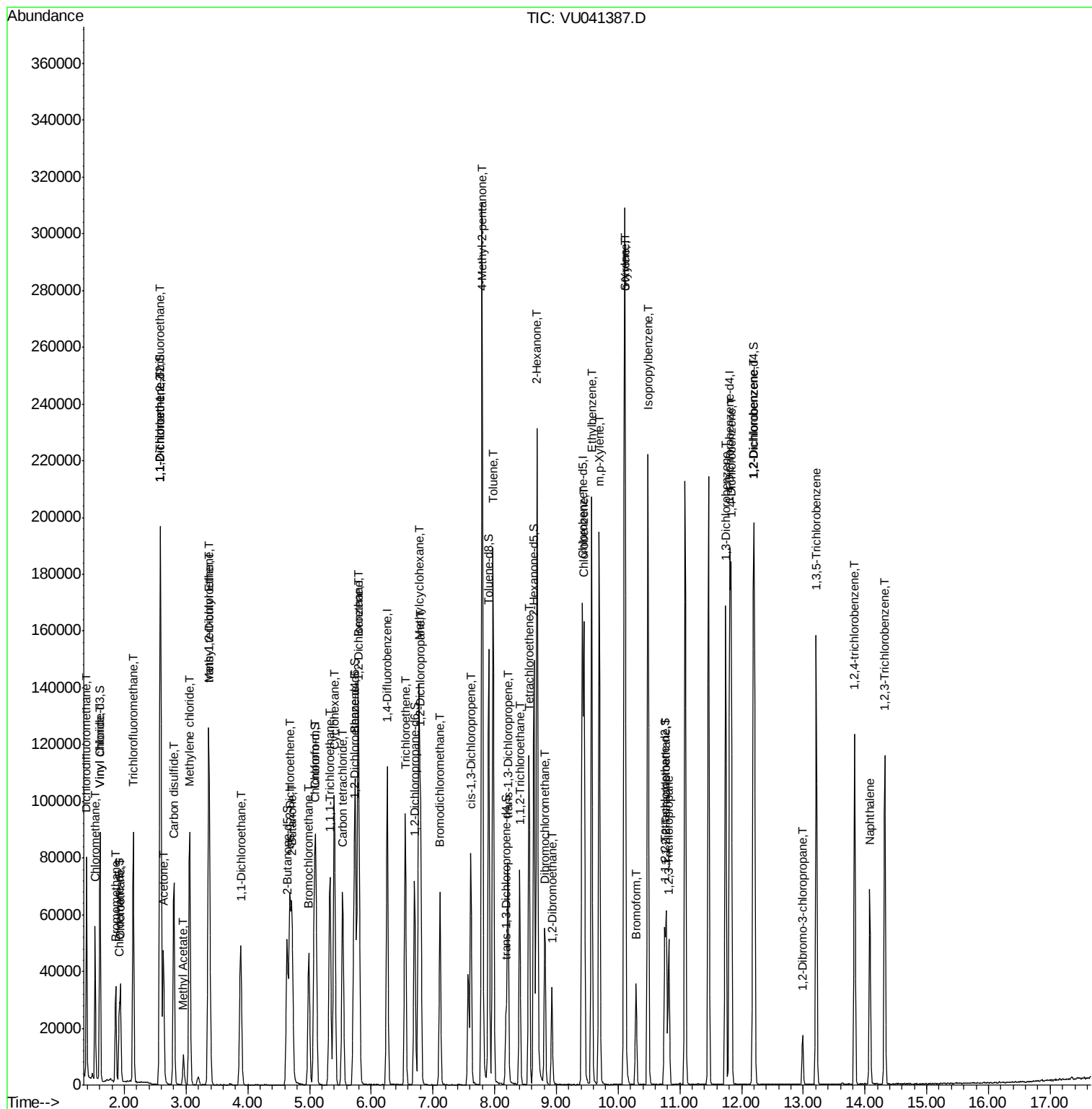
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	14020	5.303	ug/L	97
25) Chloroform	5.10	83	60080	4.883	ug/L	99
27) 1,2-Dichloroethane	5.81	62	39430	4.921	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	53631	5.021	ug/L	99
30) Cyclohexane	5.40	56	47873	5.256	ug/L	99
31) Carbon tetrachloride	5.54	117	47186	4.908	ug/L	98
33) Benzene	5.79	78	113552	4.952	ug/L	100
34) Trichloroethene	6.55	95	31670	5.071	ug/L	97
35) Methylcyclohexane	6.77	83	49479	5.433	ug/L	98
37) 1,2-Dichloropropane	6.80	63	32353	5.142	ug/L	99
38) Bromodichloromethane	7.11	83	42151	4.947	ug/L	98
39) cis-1,3-Dichloropropene	7.61	75	44490	5.123	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	198275	51.359	ug/L	99
42) Toluene	7.97	91	130529	5.338	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	41680	5.259	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	22266	5.163	ug/L	97
47) Tetrachloroethene	8.56	164	24207	5.177	ug/L	95
48) 2-Hexanone	8.69	43	146353	51.674	ug/L	100
49) Dibromochloromethane	8.82	129	27450	4.999	ug/L	98
50) 1,2-Dibromoethane	8.93	107	20894	5.067	ug/L #	99
51) Chlorobenzene	9.45	112	80500	5.086	ug/L	98
52) Ethylbenzene	9.57	91	139744	5.346	ug/L	98
53) m,p-Xylene	9.69	106	52512	5.486	ug/L	98
54) o-Xylene	10.10	106	49775	5.398	ug/L	97
55) Styrene	10.11	104	85865	5.580	ug/L	98
56) Isopropylbenzene	10.48	105	134340	5.425	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	27565	5.138	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	20702	5.037	ug/L	100
61) Bromoform	10.29	173	15145	5.057	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	64905	5.284	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	63712	5.246	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	59308	5.219	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	5049	5.670	ug/L	92
67) 1,3,5-Trichlorobenzene	13.21	180	45913	5.318	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	35834	5.288	ug/L	100
69) Naphthalene	14.08	128	53476	5.023	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	32360	5.226	ug/L	99

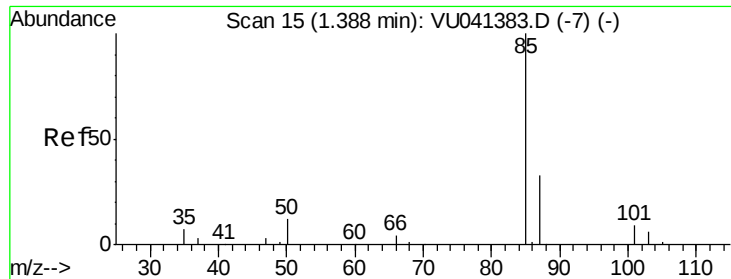
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.063 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041387.D

Acq: 23 Nov 2020 14:28

Instrument :

MSVOA_U

ClientSampleId :

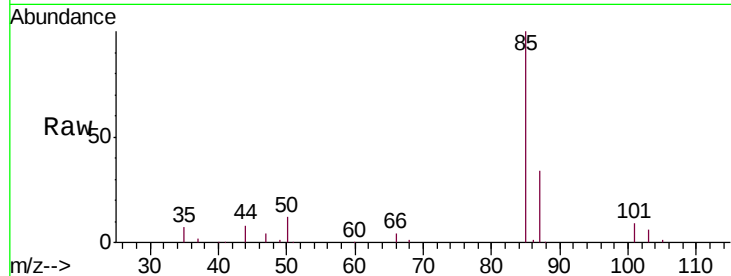
VSTD00509

Tgt Ion: 85 Resp: 41231

Ion Ratio Lower Upper

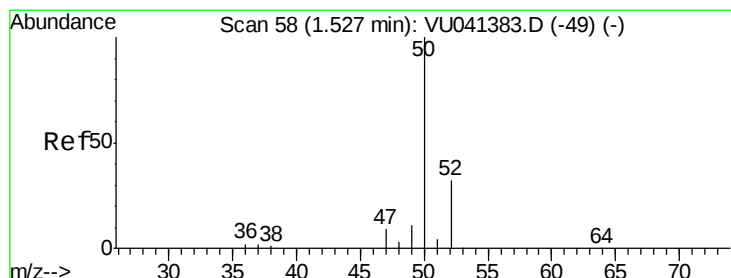
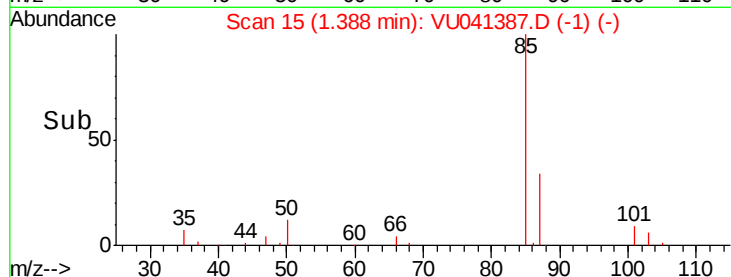
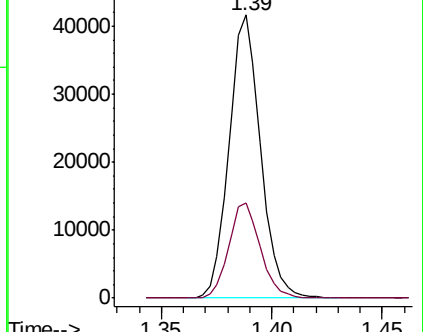
85 100

87 33.7 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU041383.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU041383.D (-7) (-)



#3

Chloromethane

Concen: 5.107 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041387.D

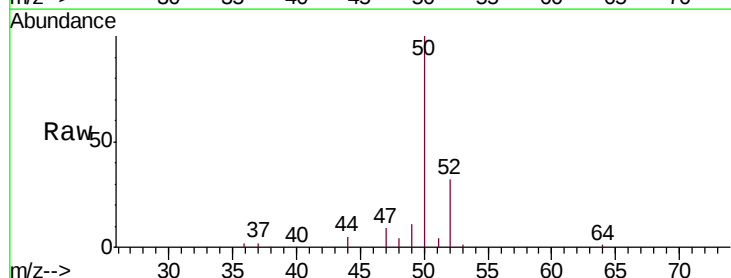
Acq: 23 Nov 2020 14:28

Tgt Ion: 50 Resp: 35369

Ion Ratio Lower Upper

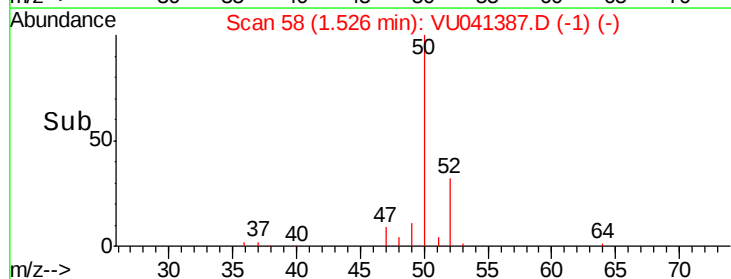
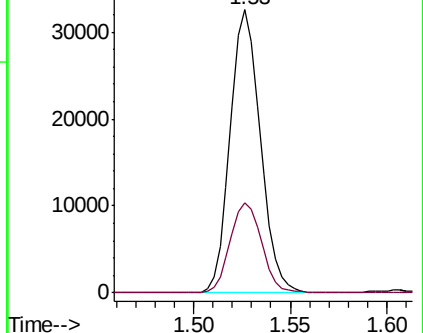
50 100

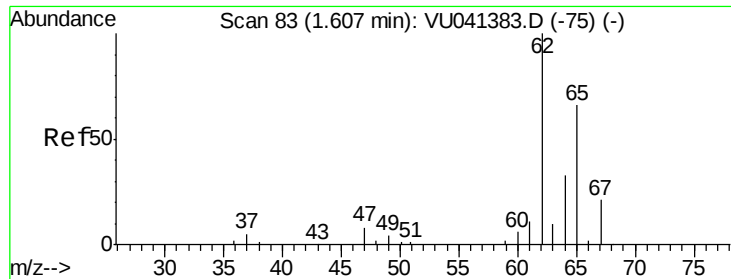
52 32.0 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU041383.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU041383.D (-49) (-)





#5

Vinyl chloride

Concen: 4.661 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU041387.D

Acq: 23 Nov 2020 14:28

Instrument :

MSVOA_U

ClientSampleId :

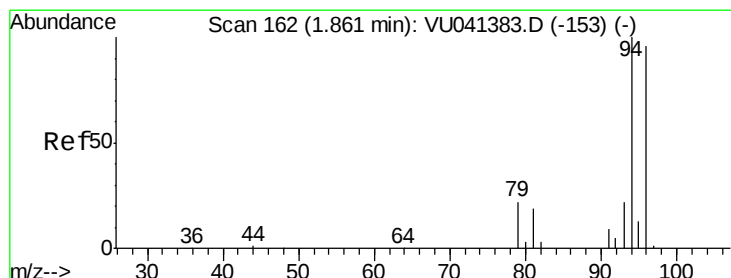
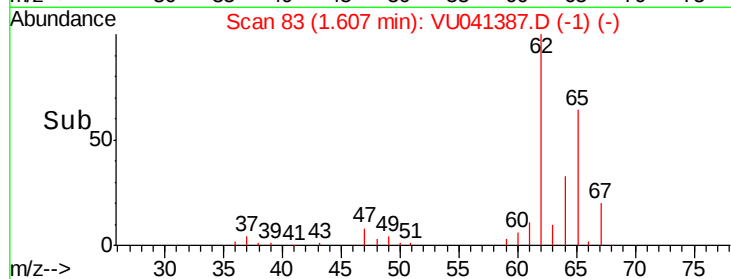
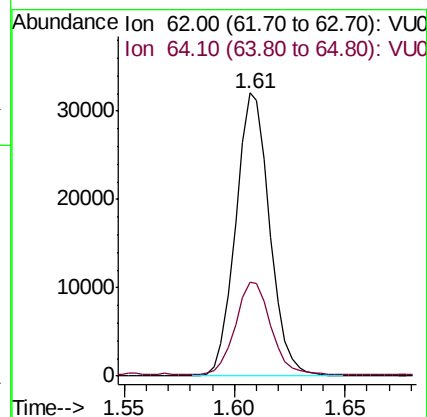
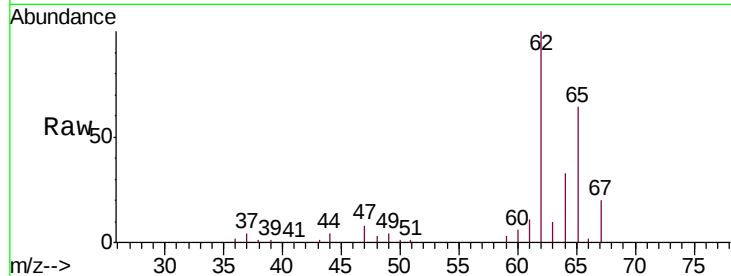
VSTD00509

Tgt Ion: 62 Resp: 34333

Ion Ratio Lower Upper

62 100

64 33.3 23.8 44.2



#6

Bromomethane

Concen: 5.341 ug/L

RT: 1.86 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU041387.D

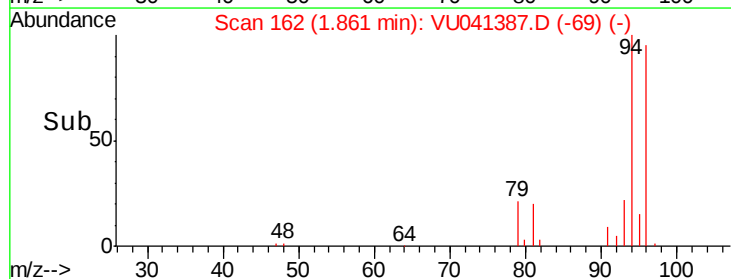
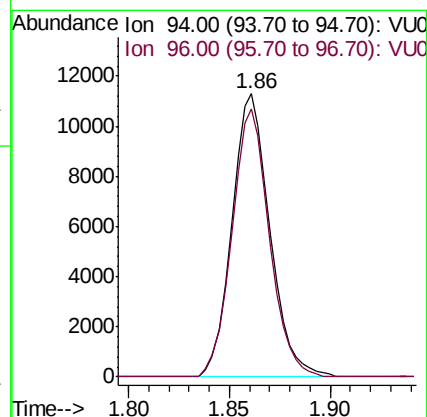
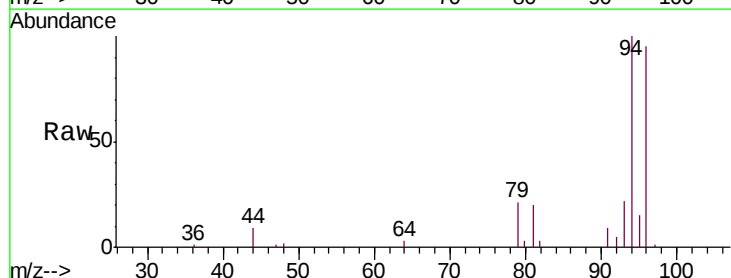
Acq: 23 Nov 2020 14:28

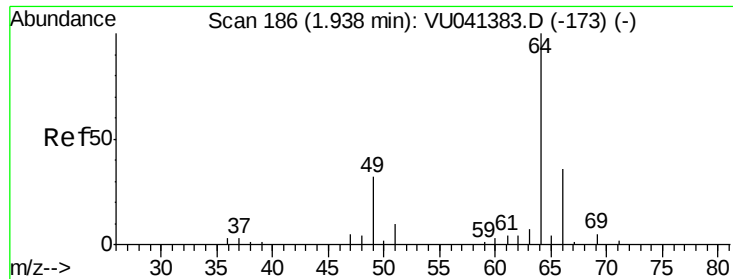
Tgt Ion: 94 Resp: 14840

Ion Ratio Lower Upper

94 100

96 94.9 67.2 124.8





#8

Chloroethane

Concen: 4.698 ug/L

RT: 1.94 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU041387.D

Acq: 23 Nov 2020 14:28

Instrument :

MSVOA_U

ClientSampleId :

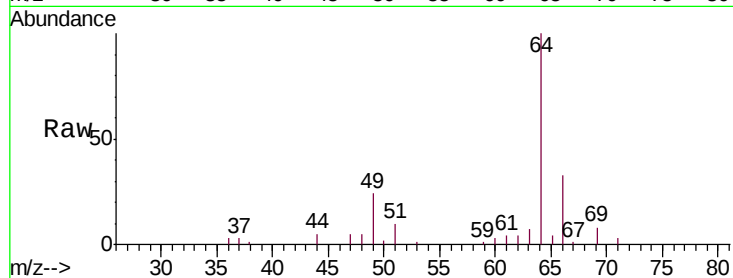
VSTD00509

Tgt Ion: 64 Resp: 19619

Ion Ratio Lower Upper

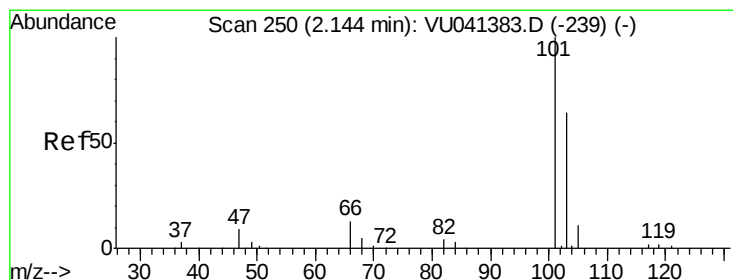
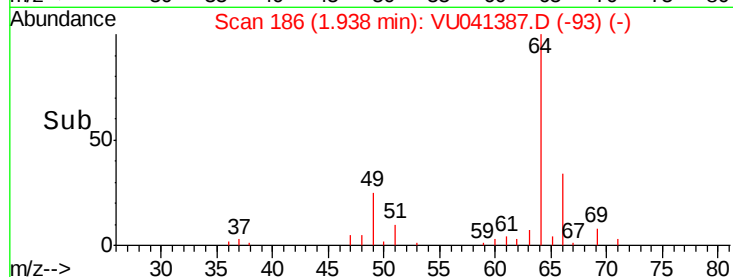
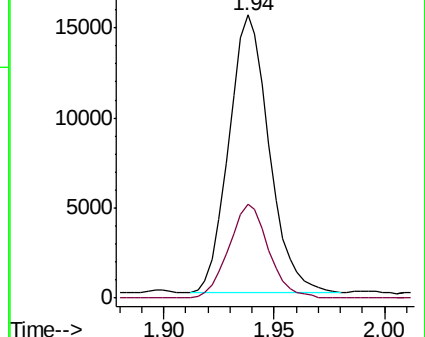
64 100

66 33.3 24.6 45.8



Abundance Ion 64.10 (63.80 to 64.80): VU041387.D (-173) (-)

Ion 66.05 (65.75 to 66.75): VU041387.D (-173) (-)



#9

Trichlorofluoromethane

Concen: 5.043 ug/L

RT: 2.14 min Scan# 250

Delta R.T. -0.00 min

Lab File: VU041387.D

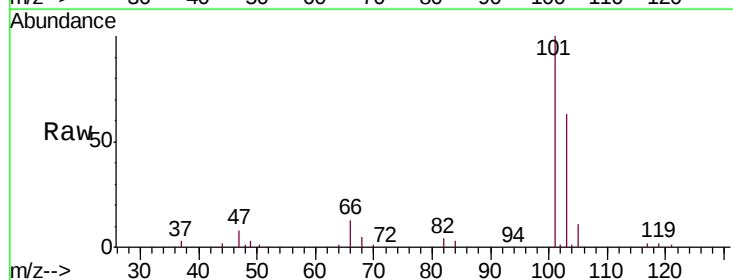
Acq: 23 Nov 2020 14:28

Tgt Ion: 101 Resp: 57535

Ion Ratio Lower Upper

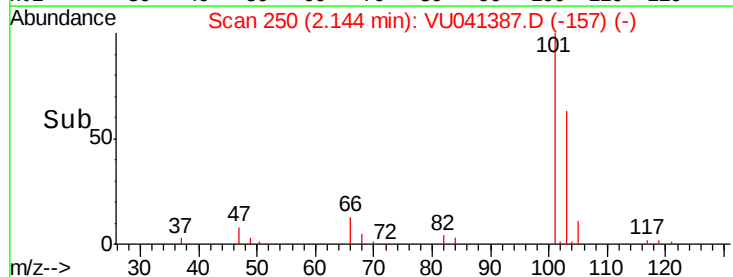
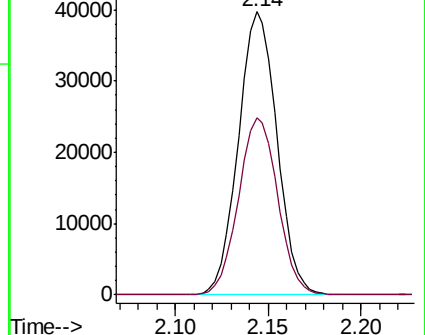
101 100

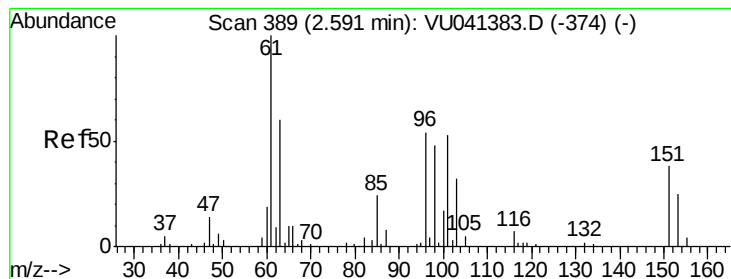
103 63.5 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU041387.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU041387.D (-239) (-)





#10

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

Concen: 5.252 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041387.D

Acq: 23 Nov 2020 14:28

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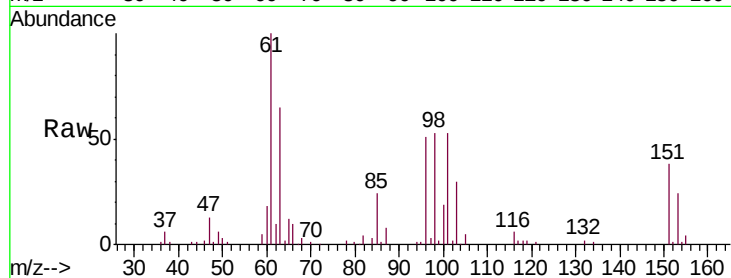
Tgt Ion:101 Resp: 30862

Ion Ratio Lower Upper

101 100

85 45.5 35.1 52.7

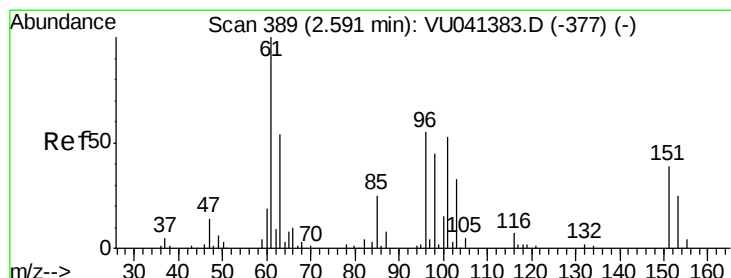
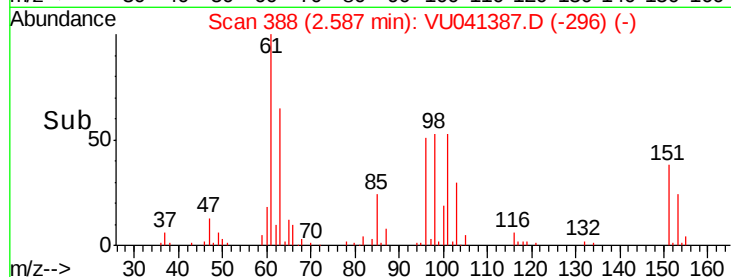
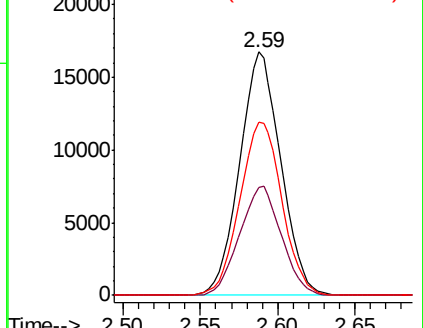
151 72.9 56.2 84.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.212 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041387.D

Acq: 23 Nov 2020 14:28

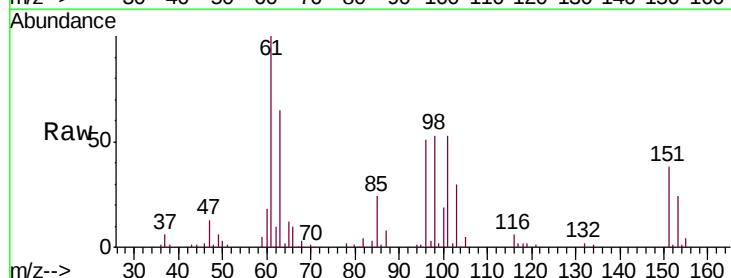
Tgt Ion: 96 Resp: 27056

Ion Ratio Lower Upper

96 100

61 194.6 129.8 241.2

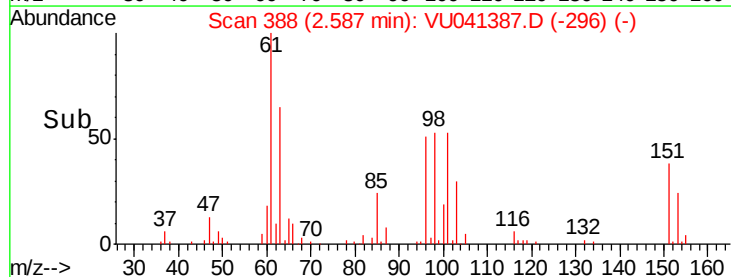
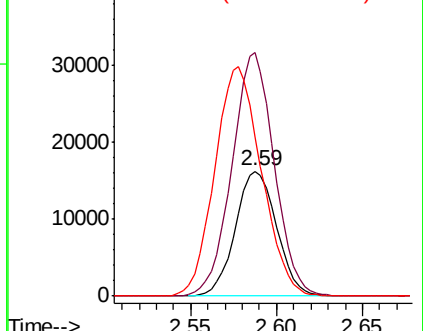
63 126.9 79.2 147.0

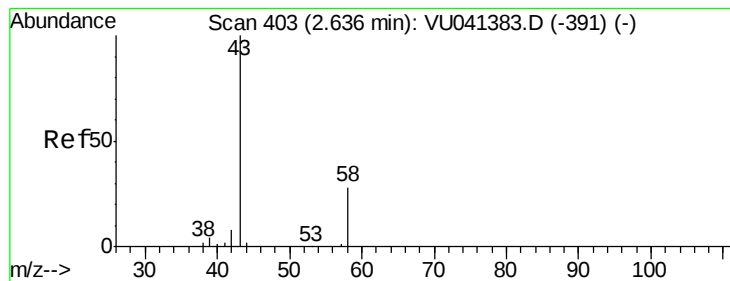


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 51.464 ug/L

RT: 2.63 min Scan# 402

Delta R.T. -0.00 min

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ClientSampleId :

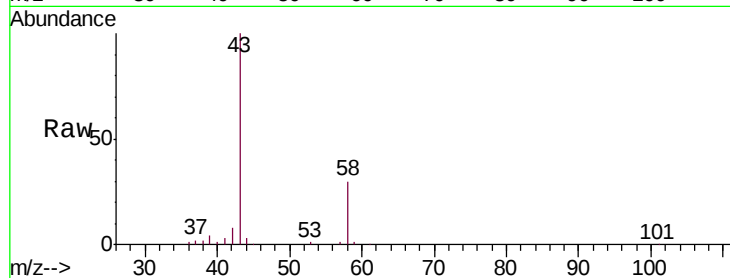
VSTD00509

Tgt Ion: 43 Resp: 52498

Ion Ratio Lower Upper

43 100

58 29.2 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.63

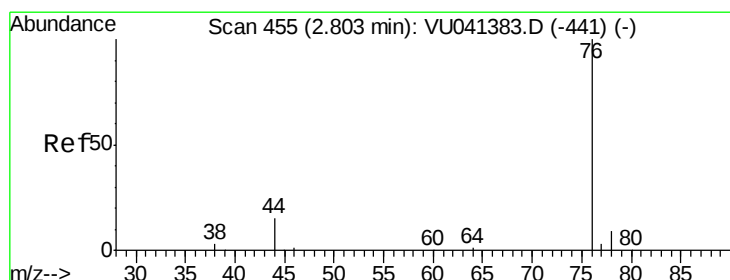
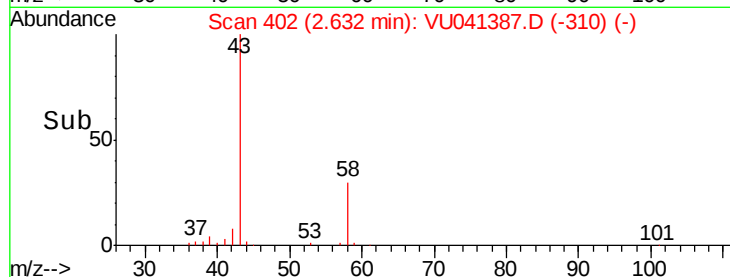
30000

20000

10000

0

Time--> 2.50 2.60 2.70



#14

Carbon disulfide

Concen: 5.013 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU041387.D

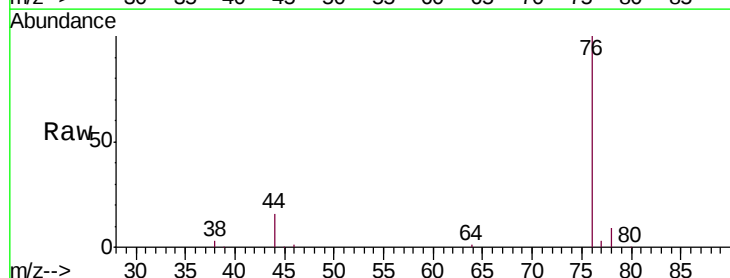
Acq: 23 Nov 2020 14:28

Tgt Ion: 76 Resp: 90896

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.80

60000

50000

40000

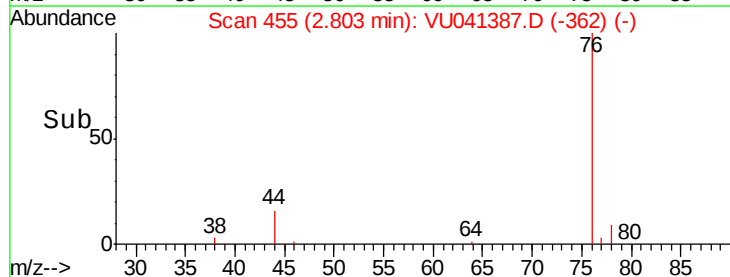
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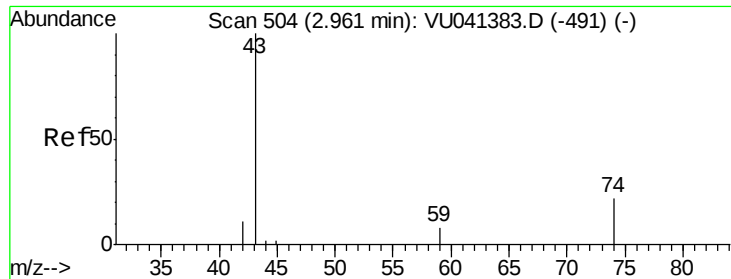
20000

10000

0

Time--> 2.70 2.75 2.80 2.85 2.90

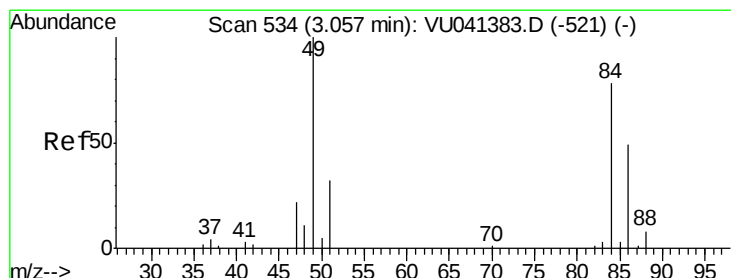
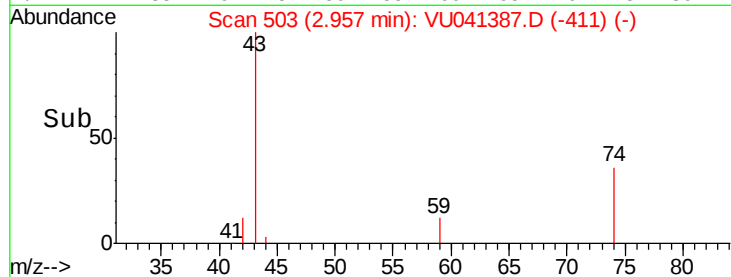
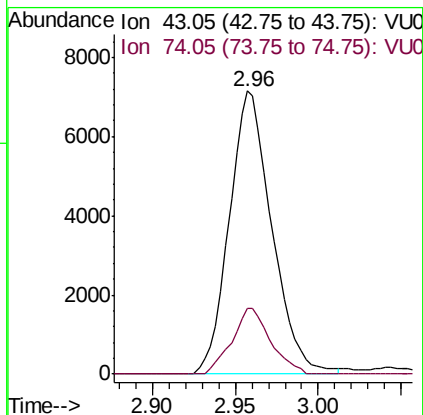
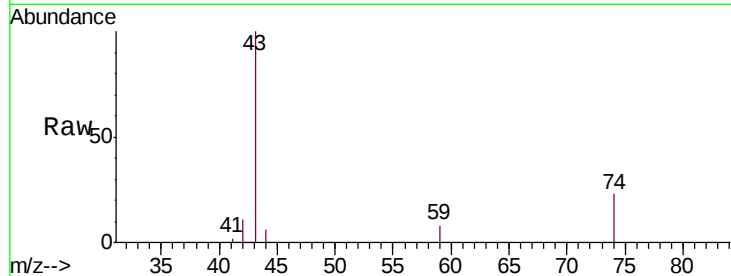




#15
Methyl Acetate
Concen: 5.304 ug/L
RT: 2.96 min Scan# 503
Delta R.T. -0.00 min
Lab File: VU041387.D
Acq: 23 Nov 2020 14:28

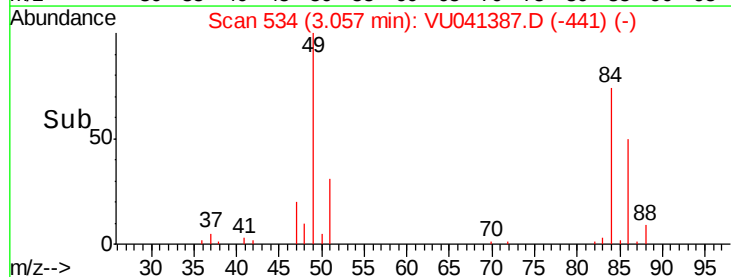
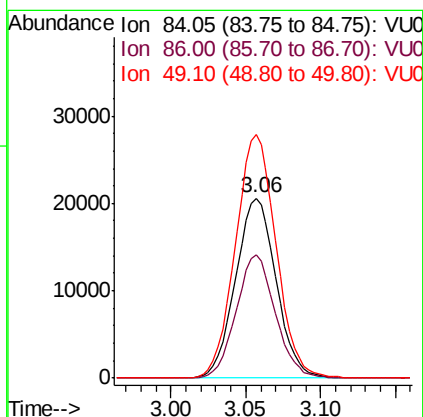
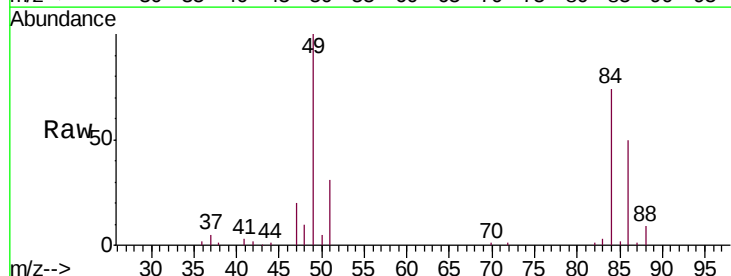
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

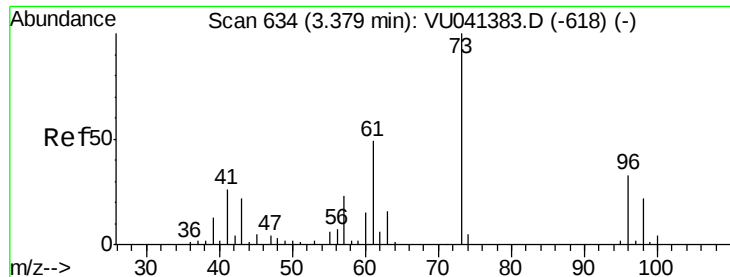
Tgt Ion: 43 Resp: 12748
Ion Ratio Lower Upper
43 100
74 21.0 17.0 25.6



#16
Methylene chloride
Concen: 5.234 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU041387.D
Acq: 23 Nov 2020 14:28

Tgt Ion: 84 Resp: 38831
Ion Ratio Lower Upper
84 100
86 68.2 44.4 82.5
49 135.2 89.9 167.0

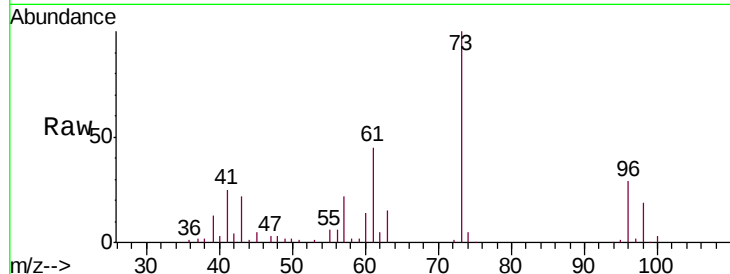




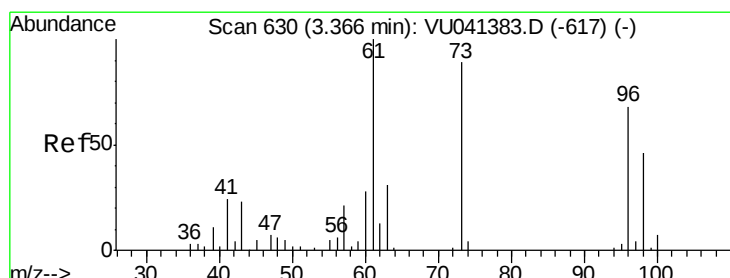
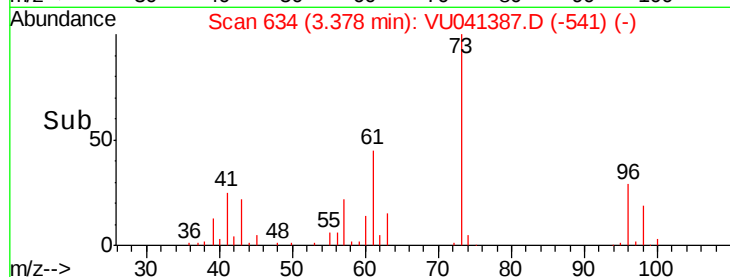
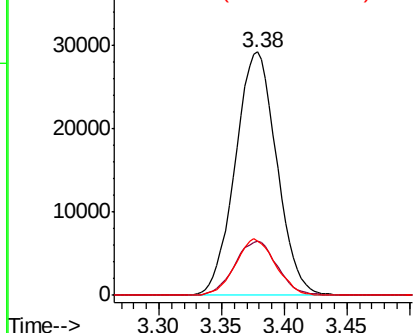
#17
Methyl tert-butyl Ether
Concen: 5.187 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041387.D
Acq: 23 Nov 2020 14:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Tgt Ion: 73 Resp: 67048
Ion Ratio Lower Upper
73 100
43 22.8 18.3 27.5
57 22.6 17.7 26.5

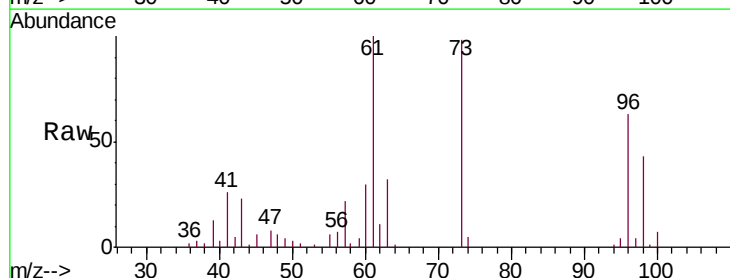


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

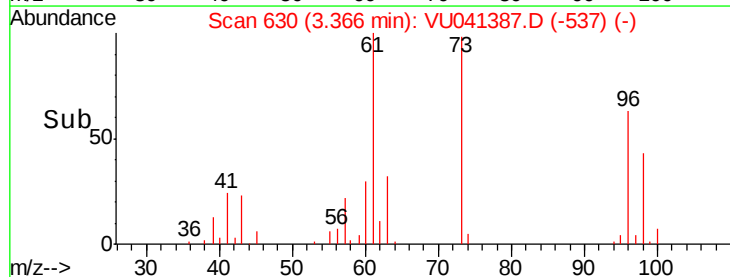
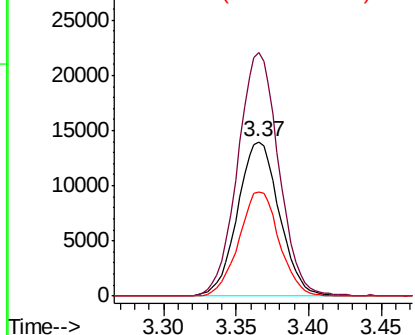


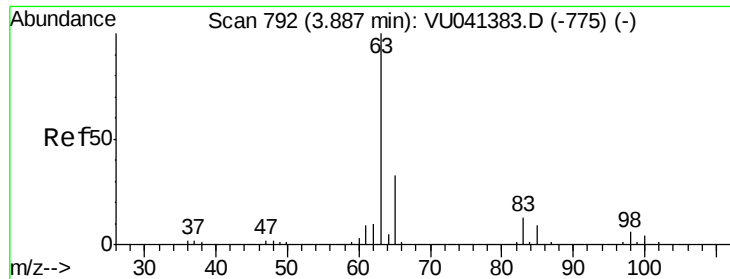
#18
trans-1,2-Dichloroethene
Concen: 4.961 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU041387.D
Acq: 23 Nov 2020 14:28

Tgt Ion: 96 Resp: 27929
Ion Ratio Lower Upper
96 100
61 158.0 103.7 192.5
98 67.8 47.5 88.3



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

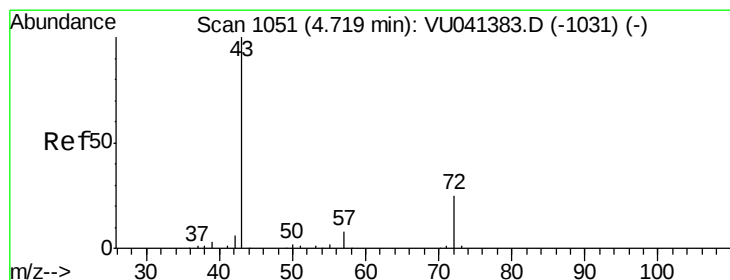
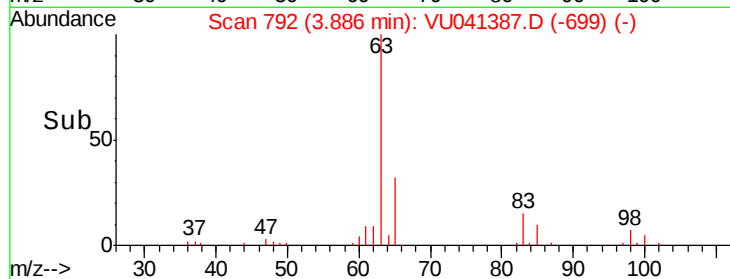
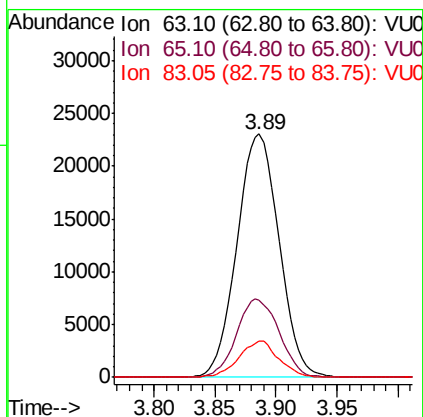
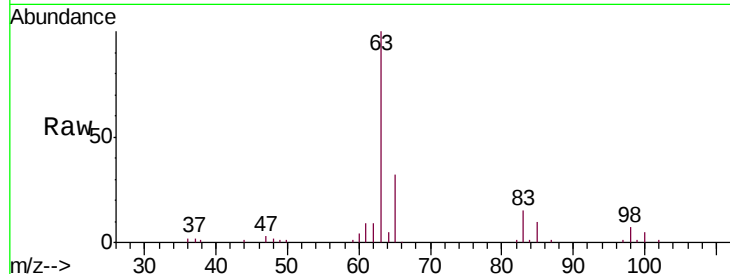




#19
 1,1-Dichloroethane
 Concen: 4.916 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU041387.D
 Acq: 23 Nov 2020 14:28

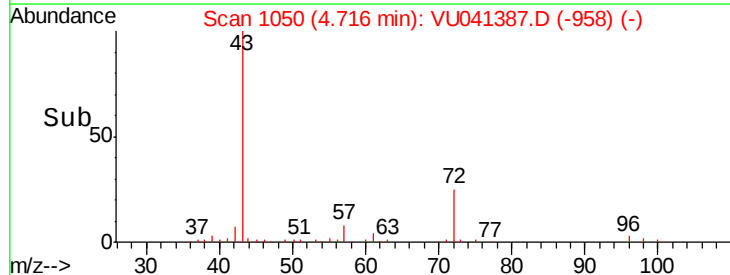
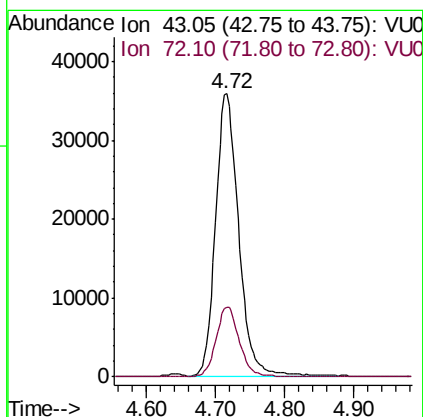
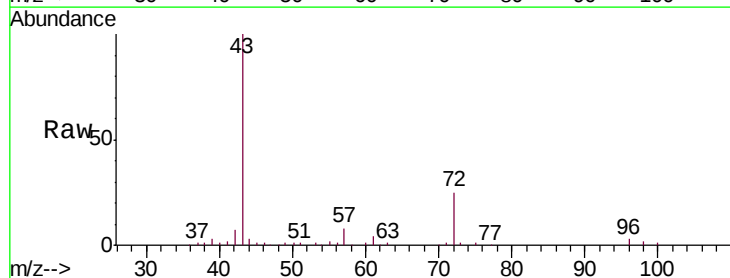
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

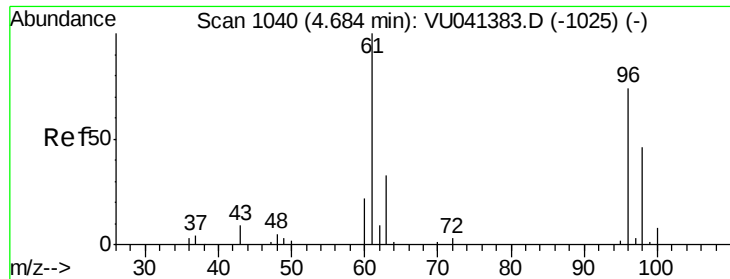
Tgt Ion: 63 Resp: 55059
 Ion Ratio Lower Upper
 63 100
 65 31.6 23.0 42.8
 83 14.7 9.4 17.4



#21
 2-Butanone
 Concen: 50.846 ug/L
 RT: 4.72 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU041387.D
 Acq: 23 Nov 2020 14:28

Tgt Ion: 43 Resp: 82382
 Ion Ratio Lower Upper
 43 100
 72 25.1 12.6 37.6

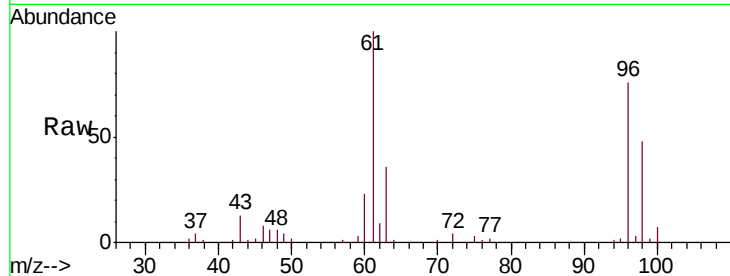




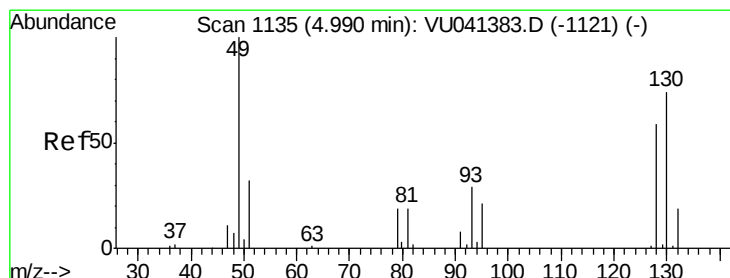
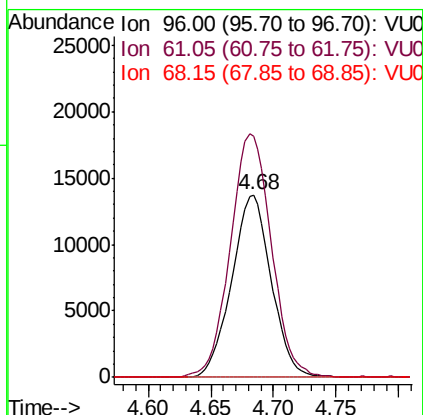
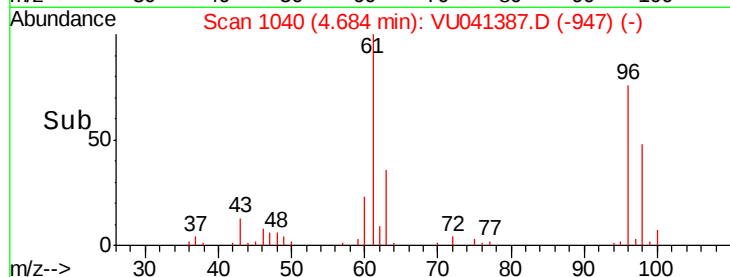
#22
 cis-1,2-Dichloroethene
 Concen: 5.020 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU041387.D
 Acq: 23 Nov 2020 14:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tgt Ion: 96 Resp: 30050
 Ion Ratio Lower Upper
 96 100
 61 131.6 95.3 176.9
 68 0.0 0.0 0.0

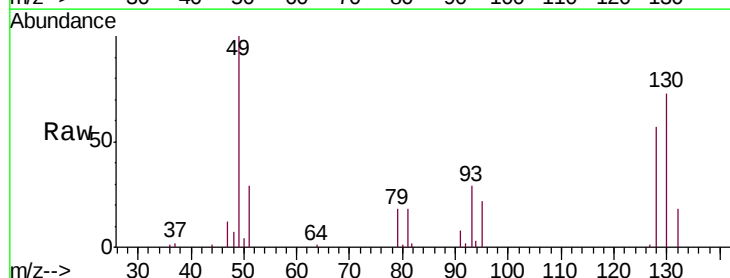


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

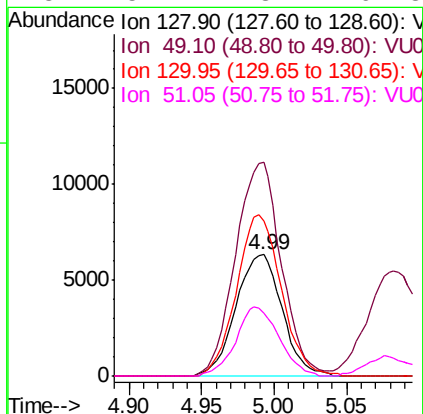
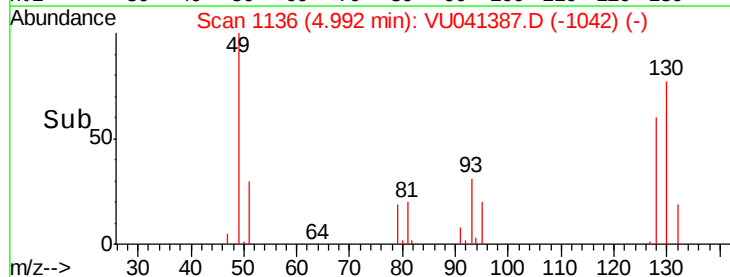


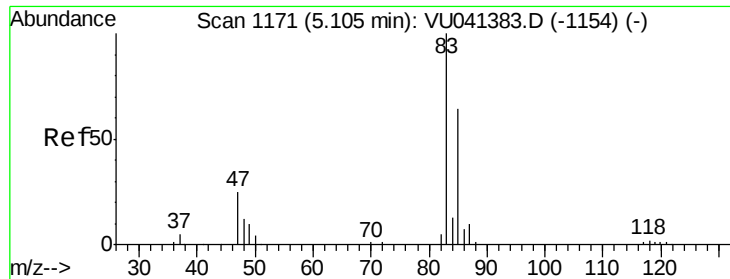
#23
 Bromochloromethane
 Concen: 5.303 ug/L
 RT: 4.99 min Scan# 1136
 Delta R.T. 0.00 min
 Lab File: VU041387.D
 Acq: 23 Nov 2020 14:28

Tgt Ion: 128 Resp: 14020
 Ion Ratio Lower Upper
 128 100
 49 176.1 118.9 220.9
 130 128.1 88.3 163.9
 51 51.7 43.2 64.8



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

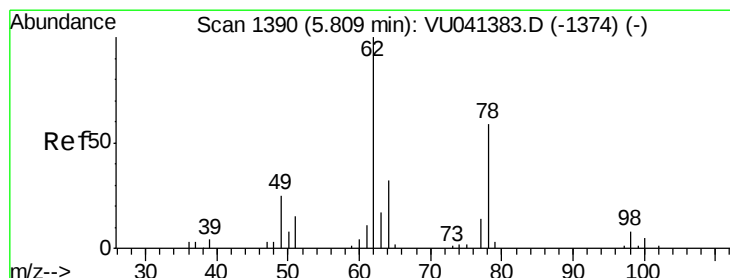
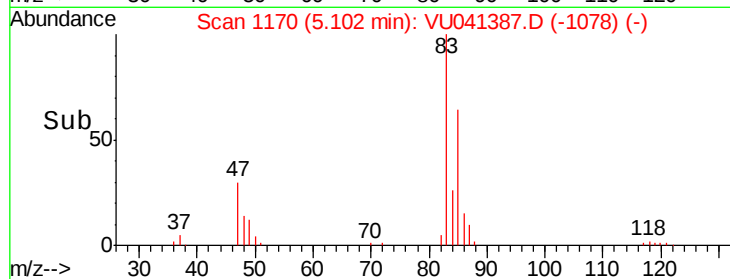
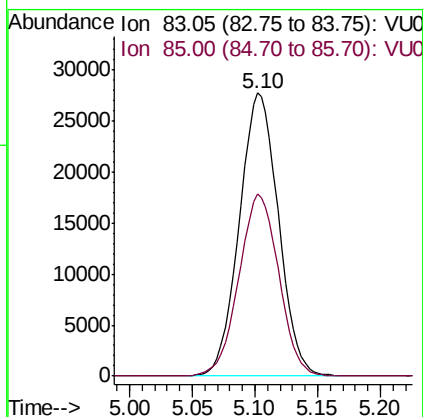
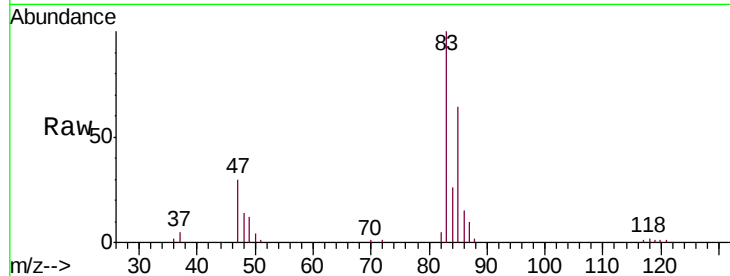




#25
Chloroform
Concen: 4.883 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041387.D
Acq: 23 Nov 2020 14:28

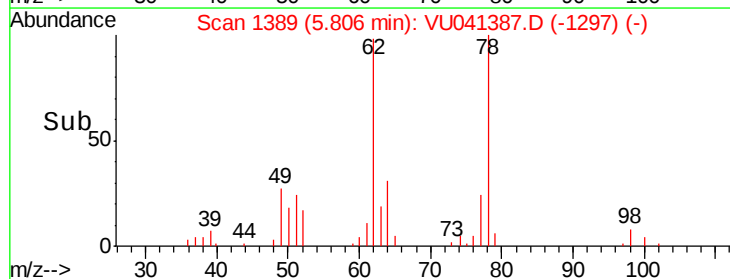
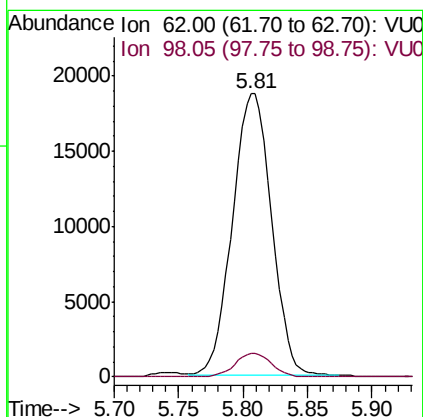
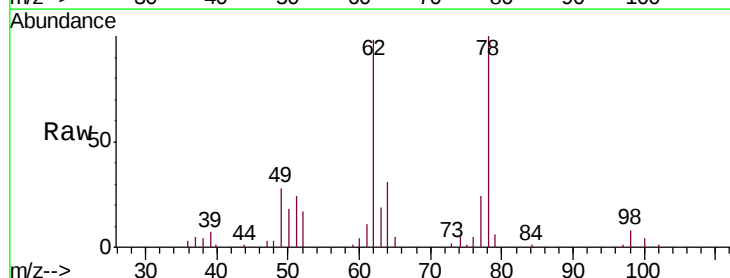
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

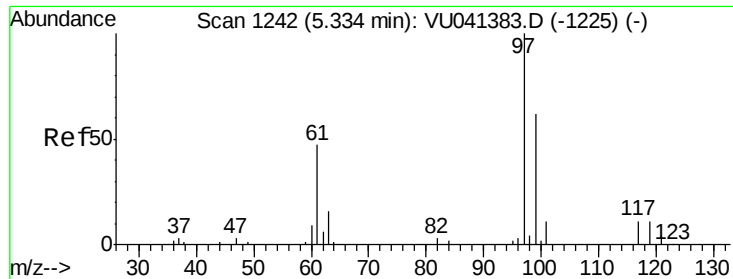
Tgt Ion: 83 Resp: 60080
Ion Ratio Lower Upper
83 100
85 64.2 44.7 82.9



#27
1,2-Dichloroethane
Concen: 4.921 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041387.D
Acq: 23 Nov 2020 14:28

Tgt Ion: 62 Resp: 39430
Ion Ratio Lower Upper
62 100
98 8.2 6.0 9.0

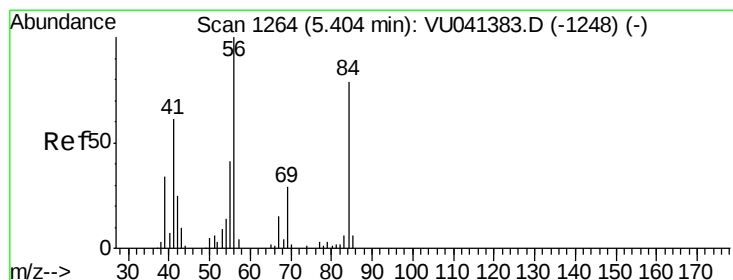
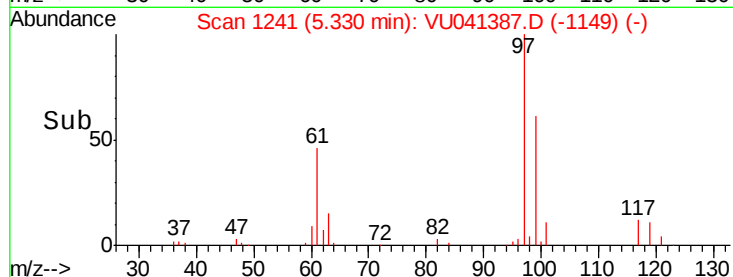
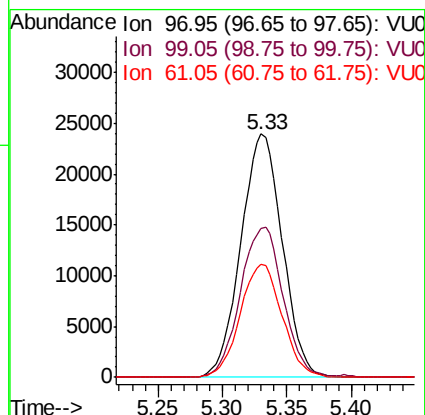
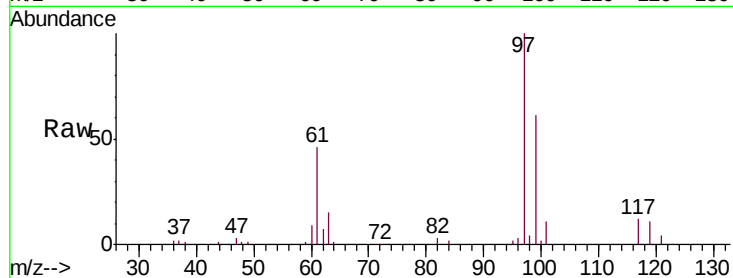




#29
1,1,1-Trichloroethane
Concen: 5.021 ug/L
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU041387.D
Acq: 23 Nov 2020 14:28

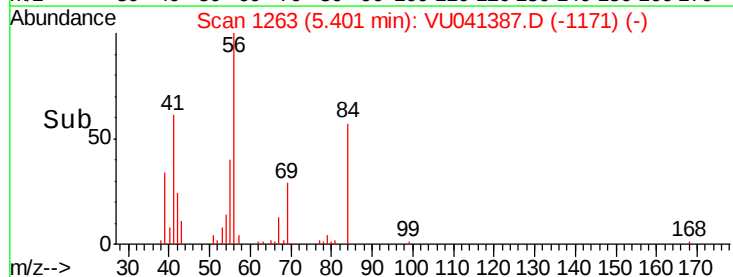
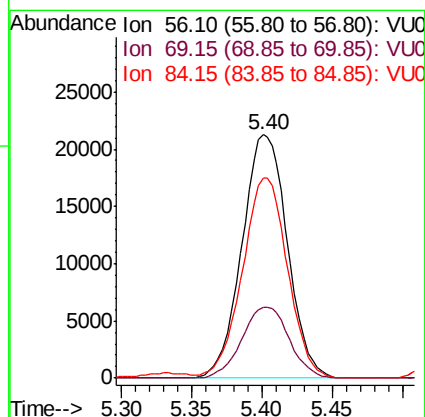
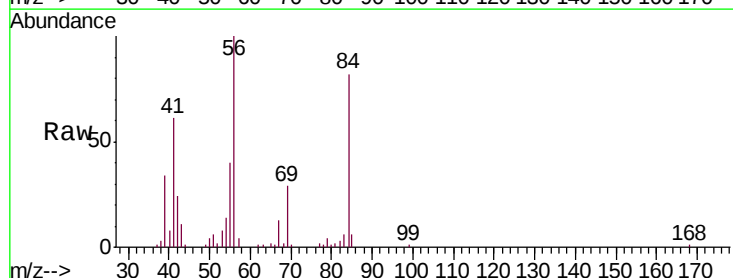
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

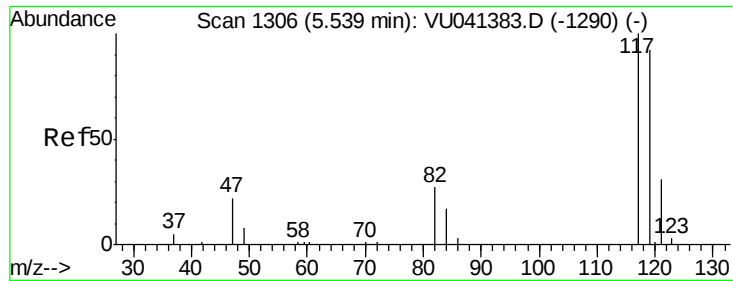
Tgt Ion: 97 Resp: 53631
Ion Ratio Lower Upper
97 100
99 63.6 51.8 77.6
61 46.8 37.8 56.6



#30
Cyclohexane
Concen: 5.256 ug/L
RT: 5.40 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VU041387.D
Acq: 23 Nov 2020 14:28

Tgt Ion: 56 Resp: 47873
Ion Ratio Lower Upper
56 100
69 30.4 23.8 35.6
84 81.9 64.6 97.0





#31

Carbon tetrachloride

Concen: 4.908 ug/L

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU041387.D

Acq: 23 Nov 2020 14:28

Instrument :

MSVOA_U

ClientSampleId :

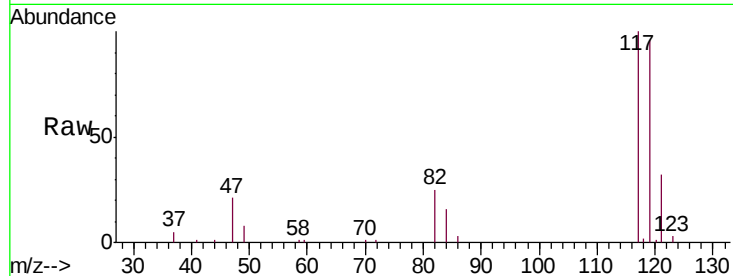
VSTD00509

Tgt Ion:117 Resp: 47186

Ion Ratio Lower Upper

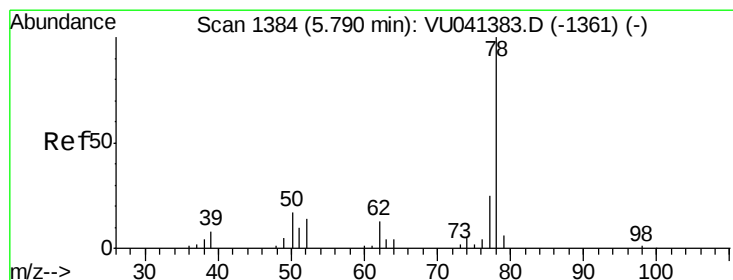
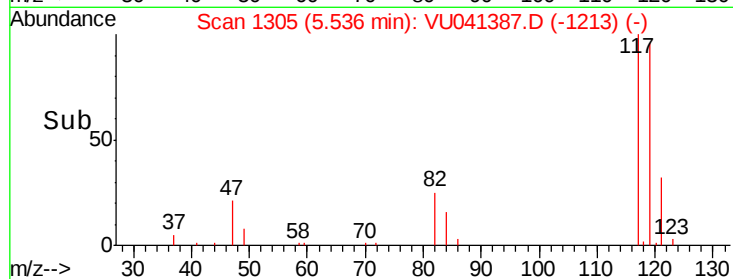
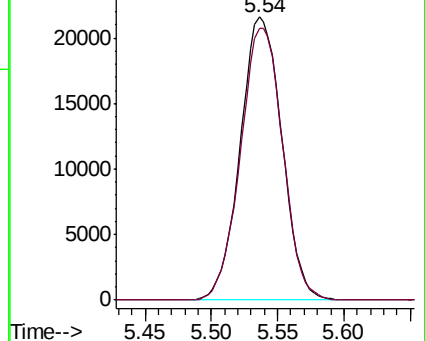
117 100

119 97.2 75.9 113.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.952 ug/L

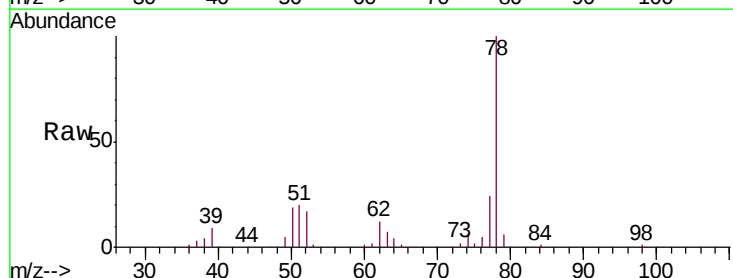
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

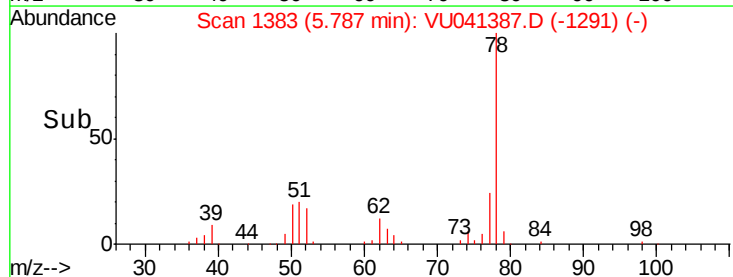
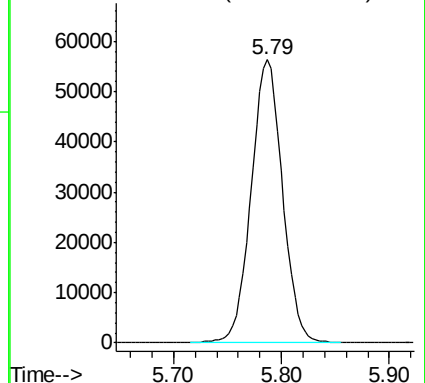
Lab File: VU041387.D

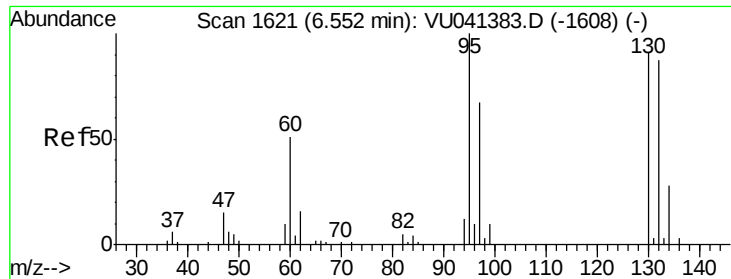
Acq: 23 Nov 2020 14:28

Tgt Ion: 78 Resp: 113552



Abundance Ion 78.10 (77.80 to 78.80): VU0

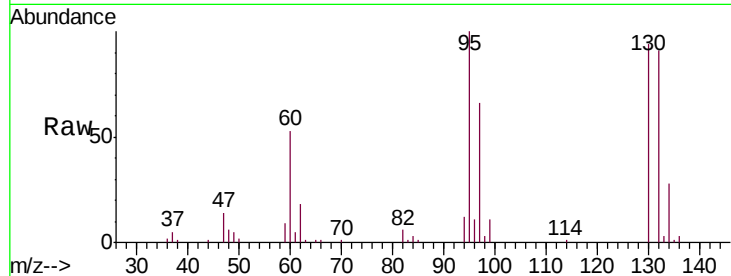




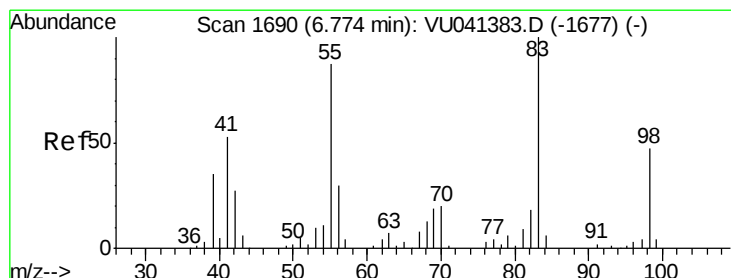
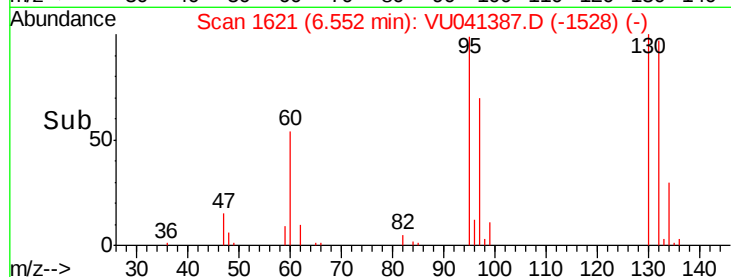
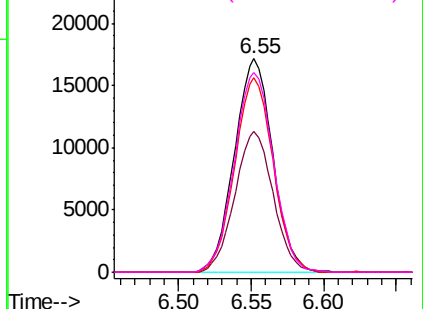
#34
 Trichloroethene
 Concen: 5.071 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041387.D
 Acq: 23 Nov 2020 14:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tgt Ion: 95 Resp: 31670
 Ion Ratio Lower Upper
 95 100
 97 65.9 46.5 86.5
 132 90.9 60.8 113.0
 130 93.6 63.3 117.7

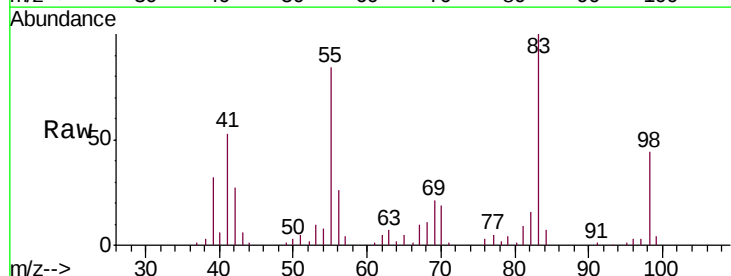


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

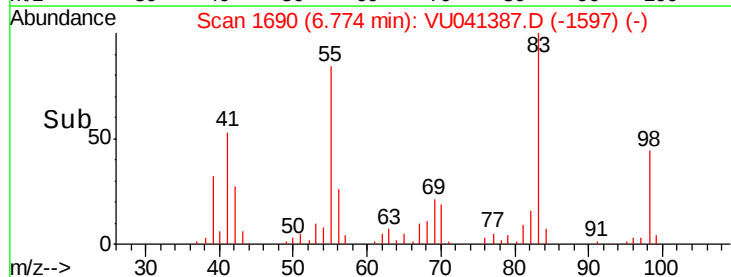
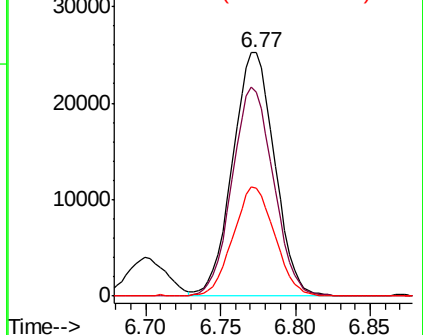


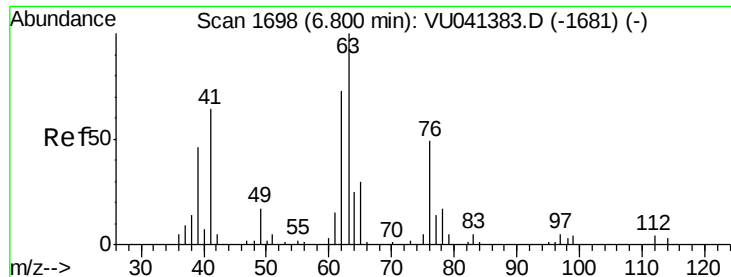
#35
 Methylcyclohexane
 Concen: 5.433 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU041387.D
 Acq: 23 Nov 2020 14:28

Tgt Ion: 83 Resp: 49479
 Ion Ratio Lower Upper
 83 100
 55 84.1 68.4 102.6
 98 44.3 36.5 54.7



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

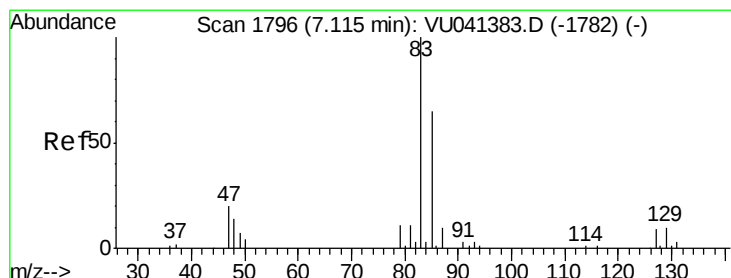
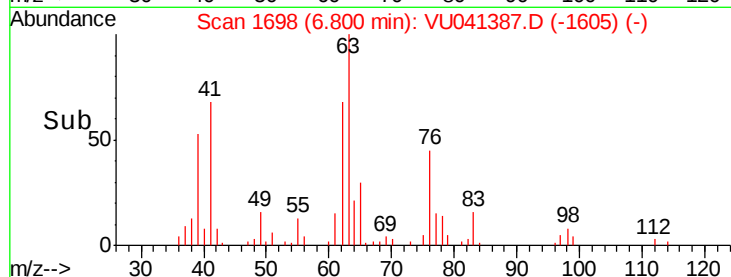
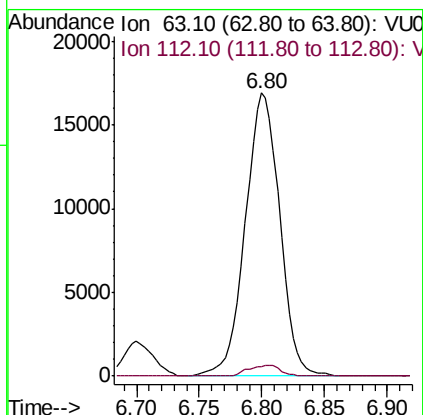
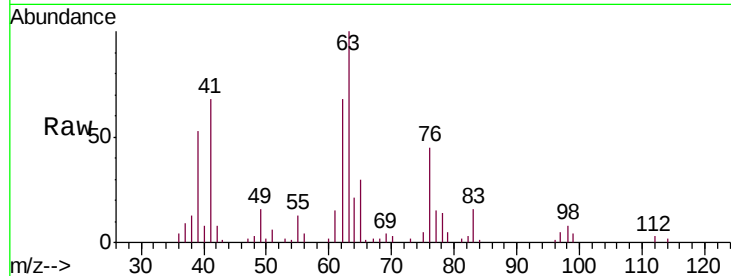




#37
 1,2-Dichloropropane
 Concen: 5.142 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041387.D
 Acq: 23 Nov 2020 14:28

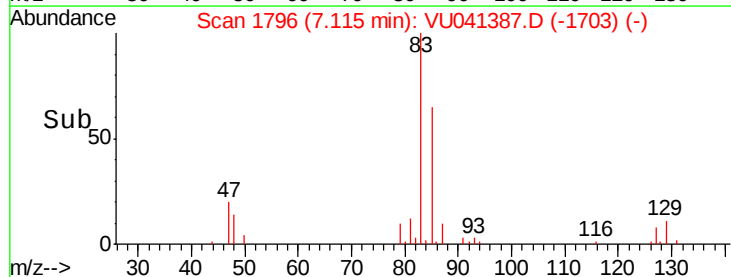
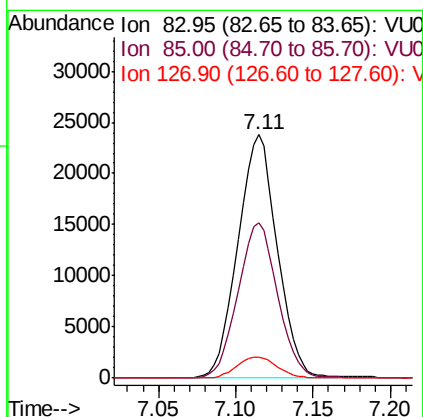
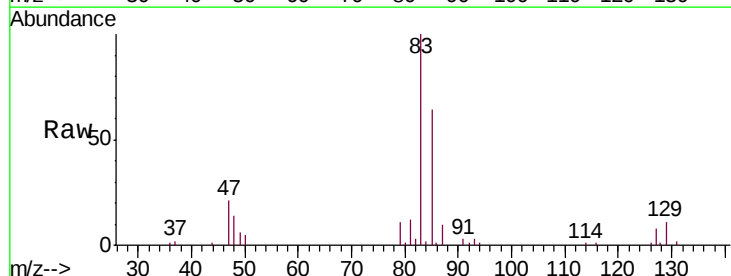
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

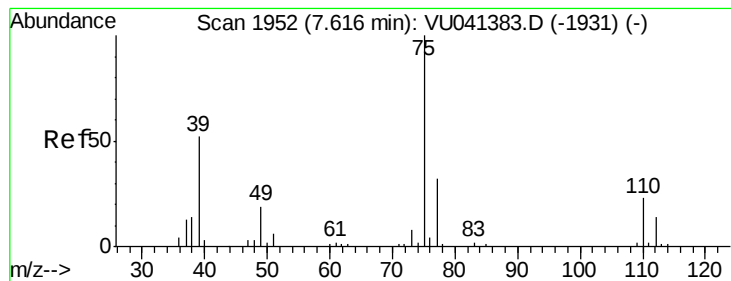
Tgt Ion: 63 Resp: 32353
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.6 4.0



#38
 Bromodichloromethane
 Concen: 4.947 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041387.D
 Acq: 23 Nov 2020 14:28

Tgt Ion: 83 Resp: 42151
 Ion Ratio Lower Upper
 83 100
 85 63.9 45.7 84.9
 127 8.4 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 5.123 ug/L

RT: 7.61 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VU041387.D

Acq: 23 Nov 2020 14:28

Instrument :

MSVOA_U

ClientSampled :

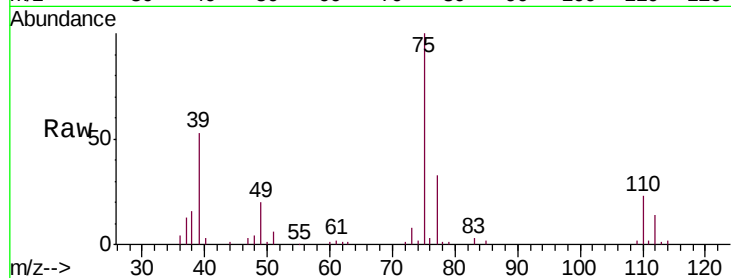
VSTD00509

Tgt Ion: 75 Resp: 44490

Ion Ratio Lower Upper

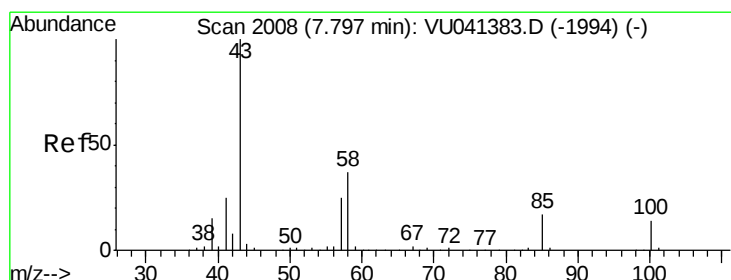
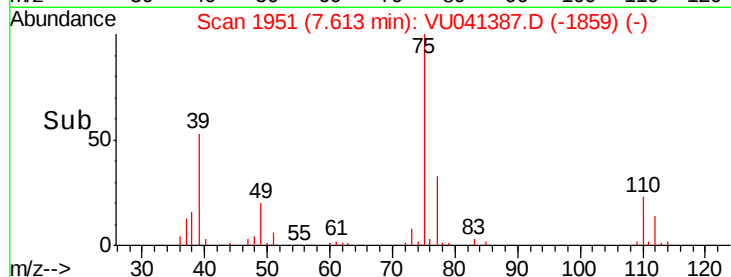
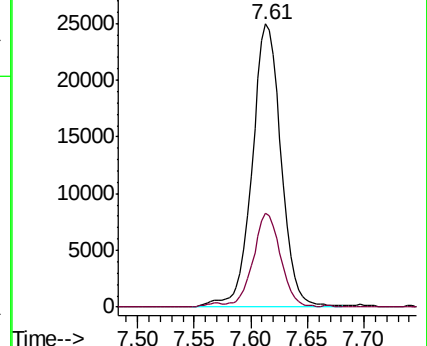
75 100

77 33.0 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#40

4-Methyl-2-pentanone

Concen: 51.359 ug/L

RT: 7.80 min Scan# 2008

Delta R.T. -0.00 min

Lab File: VU041387.D

Acq: 23 Nov 2020 14:28

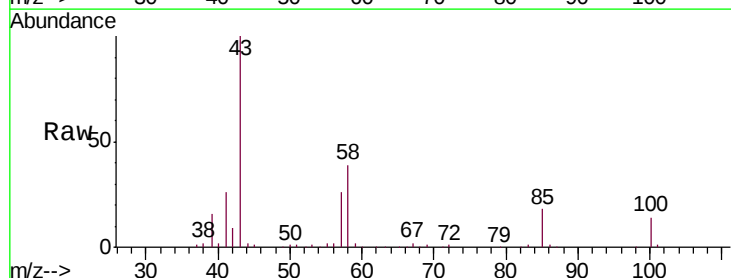
Tgt Ion: 43 Resp: 198275

Ion Ratio Lower Upper

43 100

58 38.0 29.8 44.8

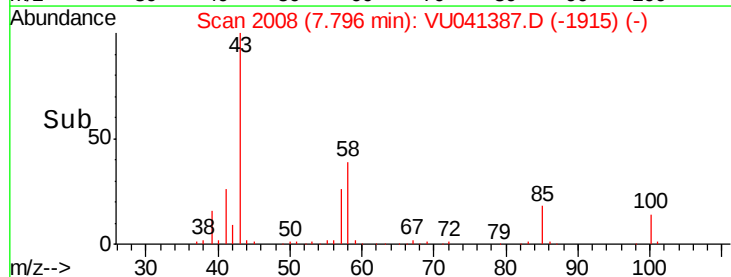
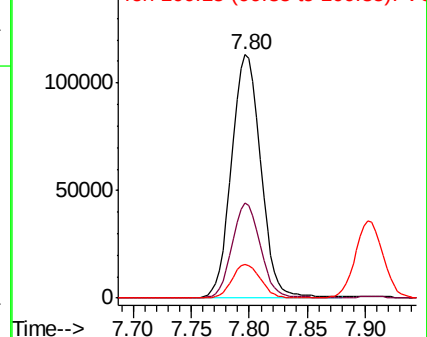
100 13.5 10.9 16.3

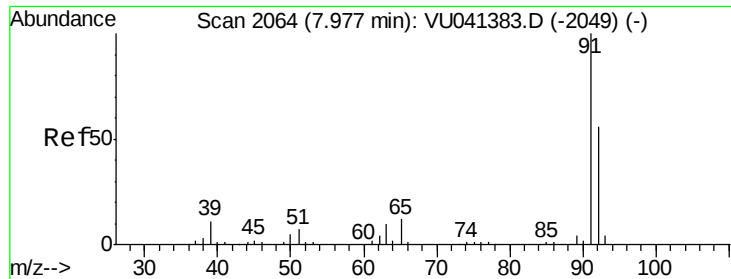


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 100.15 (99.85 to 100.85): VU0





#42

Toluene

Concen: 5.338 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041387.D

Acq: 23 Nov 2020 14:28

Instrument :

MSVOA_U

ClientSampleId :

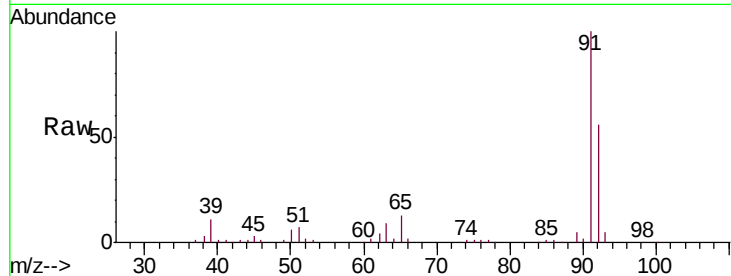
VSTD00509

Tgt Ion: 91 Resp: 130529

Ion Ratio Lower Upper

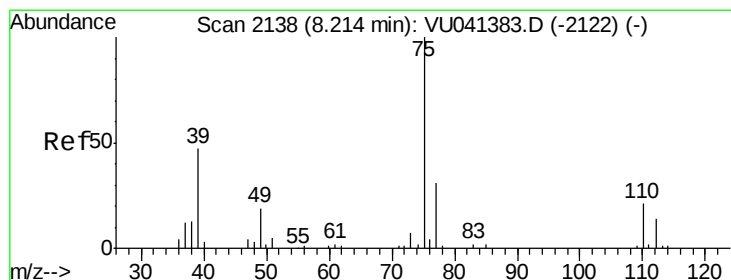
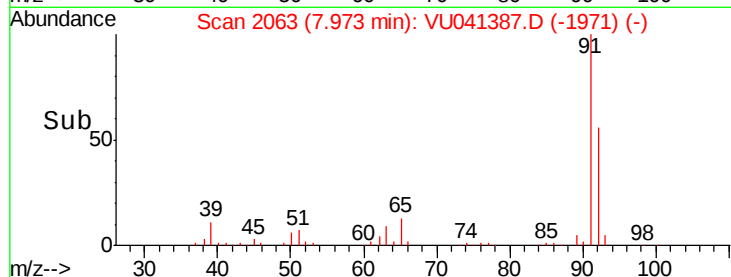
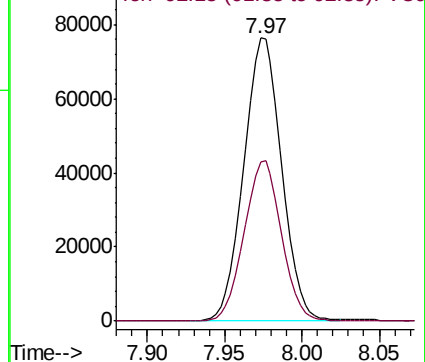
91 100

92 56.2 39.3 72.9



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 5.259 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041387.D

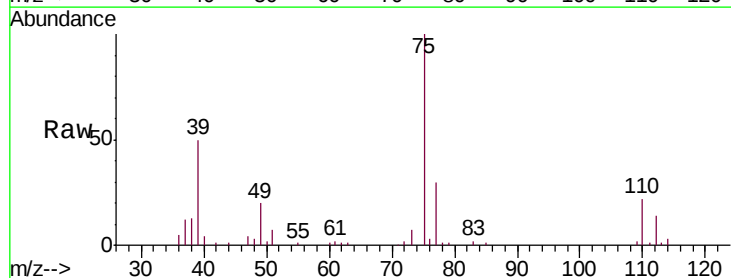
Acq: 23 Nov 2020 14:28

Tgt Ion: 75 Resp: 41680

Ion Ratio Lower Upper

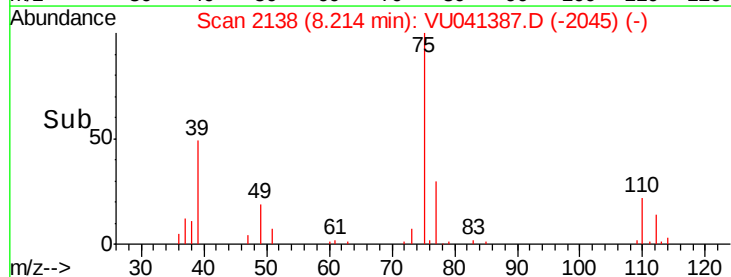
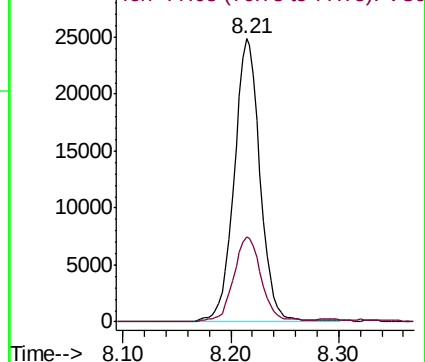
75 100

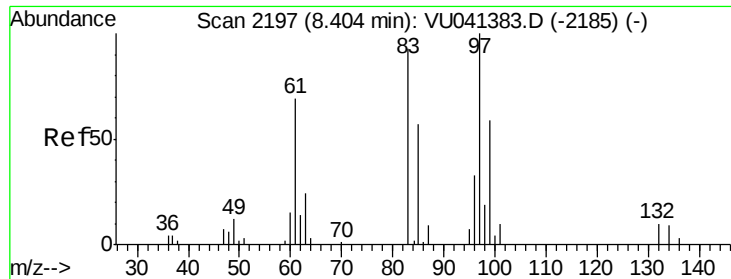
77 30.1 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

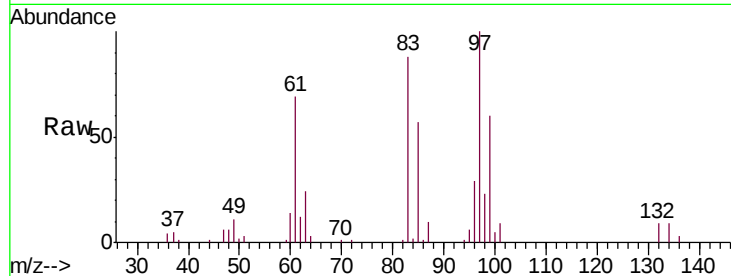




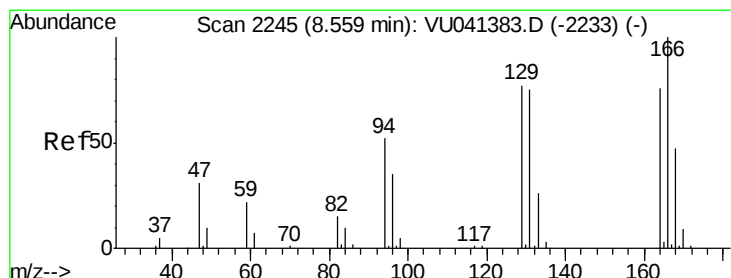
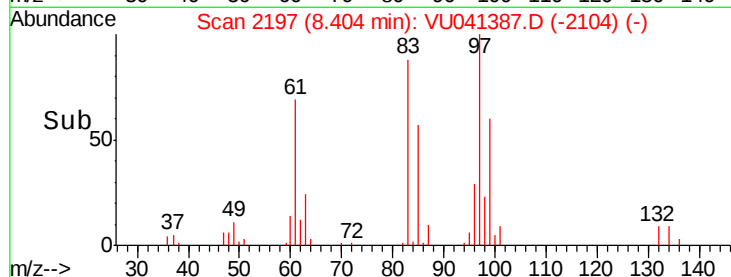
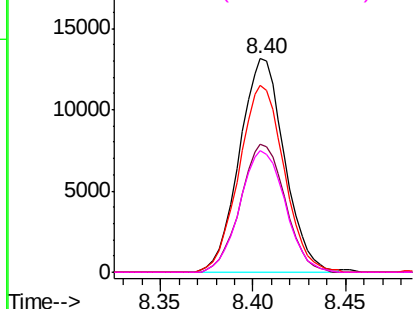
#45
 1,1,2-Trichloroethane
 Concen: 5.163 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU041387.D
 Acq: 23 Nov 2020 14:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tgt Ion:	97	Resp:	22266
Ion	Ratio	Lower	Upper
97	100		
99	59.9	41.5	77.1
83	87.8	65.5	121.6
85	56.7	40.1	74.5

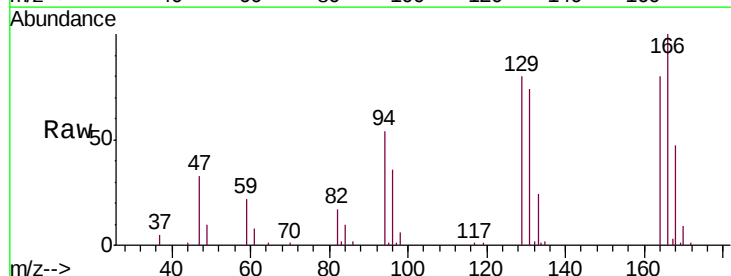


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

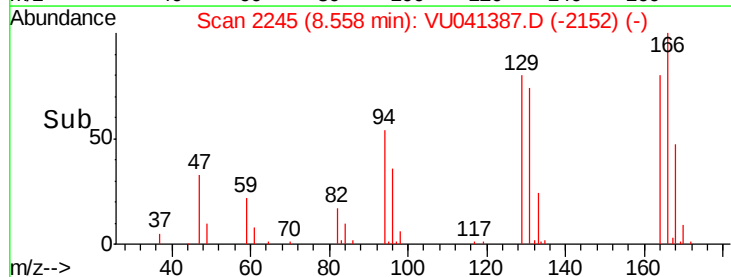
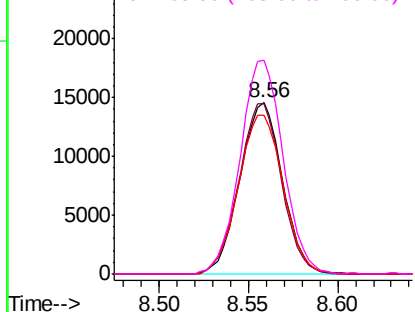


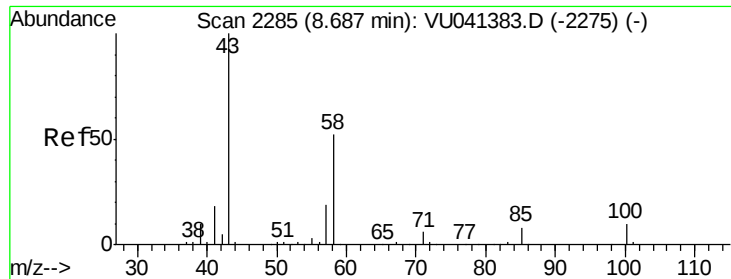
#47
 Tetrachloroethene
 Concen: 5.177 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU041387.D
 Acq: 23 Nov 2020 14:28

Tgt Ion:	164	Resp:	24207
Ion	Ratio	Lower	Upper
164	100		
129	99.3	71.0	131.9
131	92.6	69.0	128.1
166	124.9	92.4	171.6



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

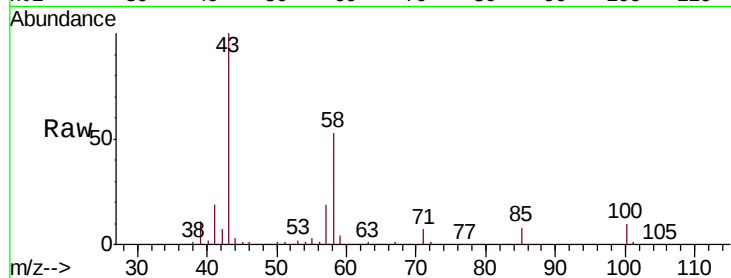




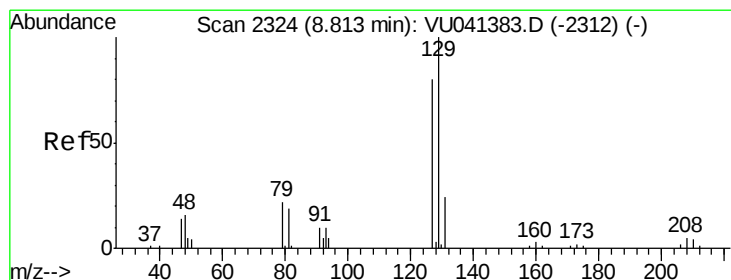
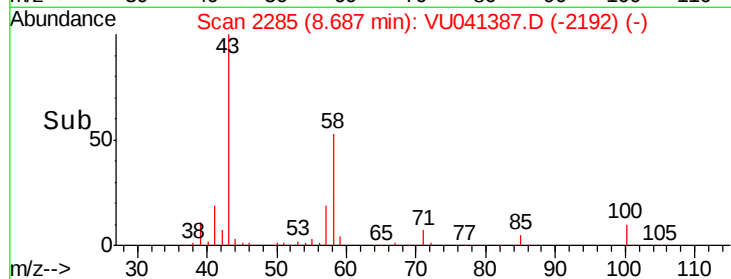
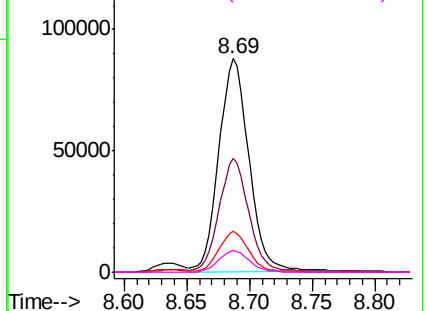
#48
2-Hexanone
Concen: 51.674 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU041387.D
Acq: 23 Nov 2020 14:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Tgt Ion: 43 Resp: 146353
Ion Ratio Lower Upper
43 100
58 52.2 42.0 63.0
57 18.8 15.0 22.4
100 10.3 8.4 12.6

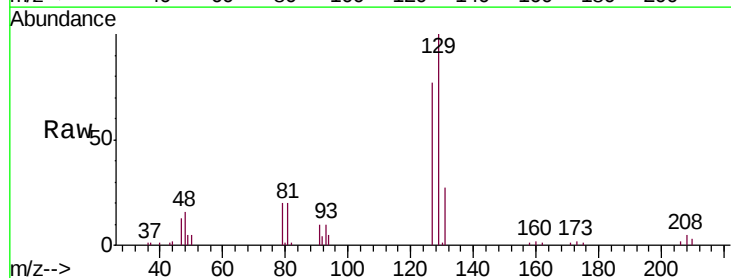


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

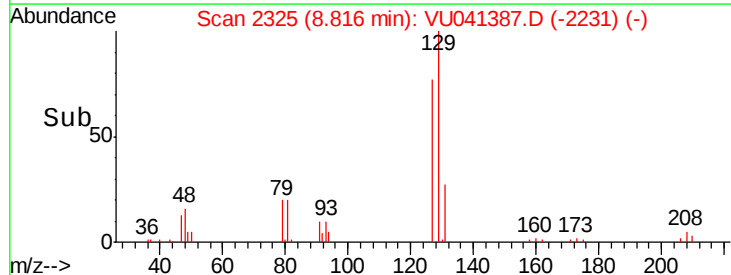
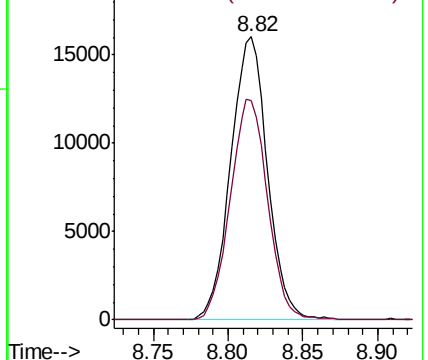


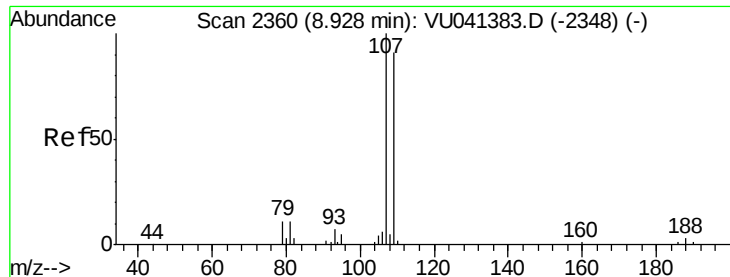
#49
Dibromochloromethane
Concen: 4.999 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU041387.D
Acq: 23 Nov 2020 14:28

Tgt Ion: 129 Resp: 27450
Ion Ratio Lower Upper
129 100
127 77.3 55.6 103.4



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

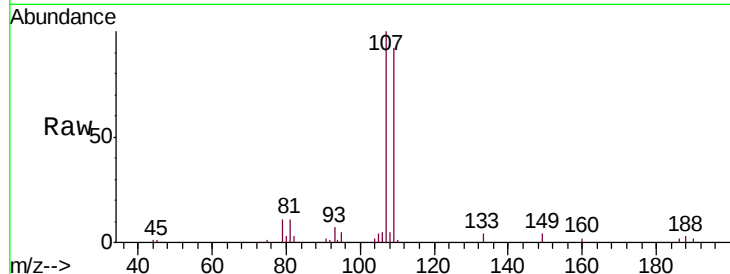




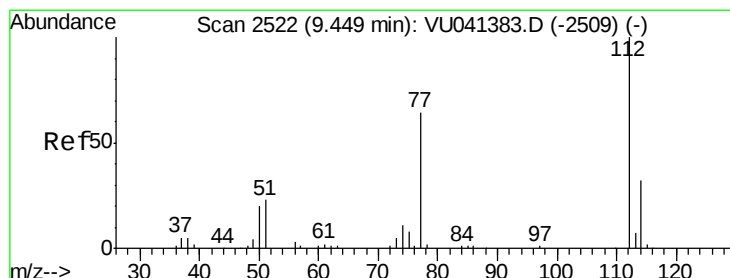
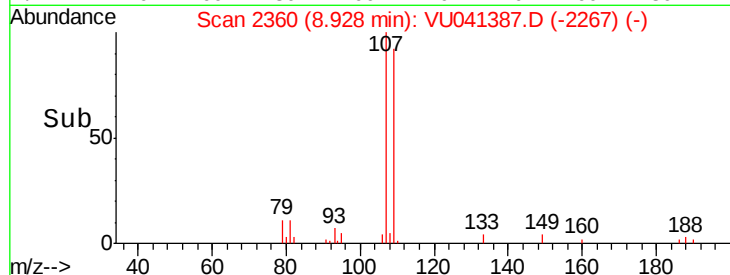
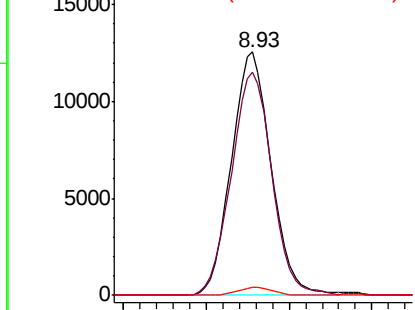
#50
1,2-Dibromoethane
Concen: 5.067 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU041387.D
Acq: 23 Nov 2020 14:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Tgt Ion:107 Resp: 20894
Ion Ratio Lower Upper
107 100
109 91.9 63.4 117.8
188 3.4 2.2 3.4#

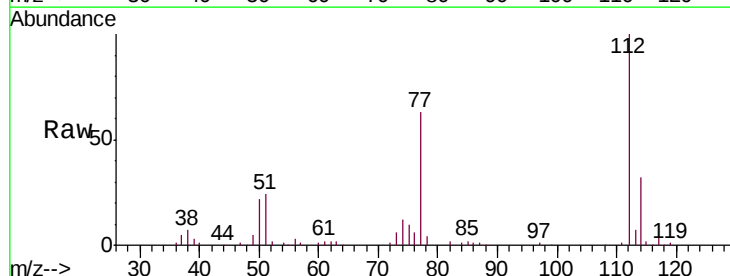


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

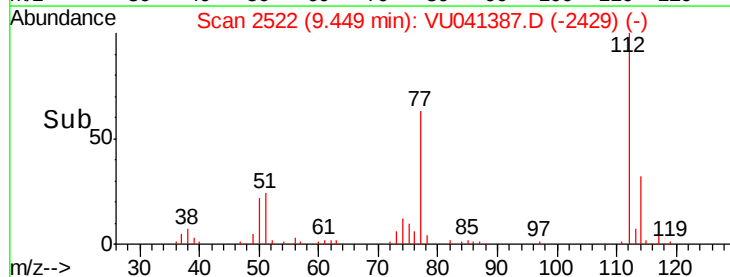
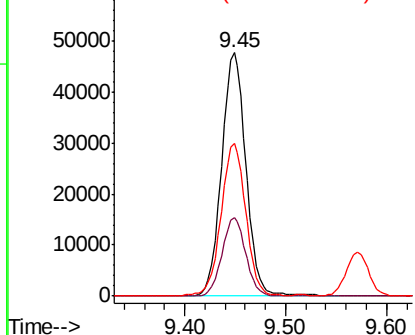


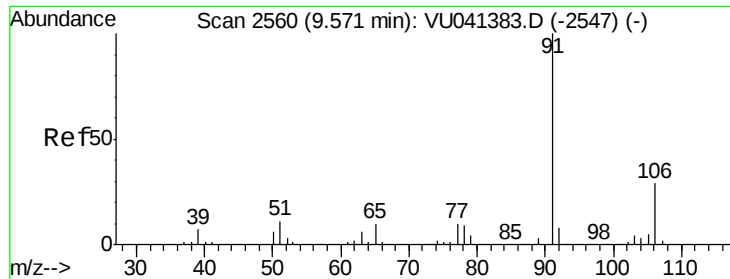
#51
Chlorobenzene
Concen: 5.086 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU041387.D
Acq: 23 Nov 2020 14:28

Tgt Ion:112 Resp: 80500
Ion Ratio Lower Upper
112 100
114 32.1 22.3 41.3
77 62.8 52.2 78.4



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.346 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041387.D

Acq: 23 Nov 2020 14:28

Instrument :

MSVOA_U

ClientSampleId :

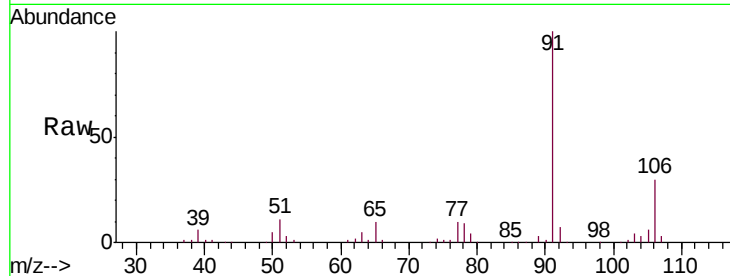
VSTD00509

Tgt Ion: 91 Resp: 139744

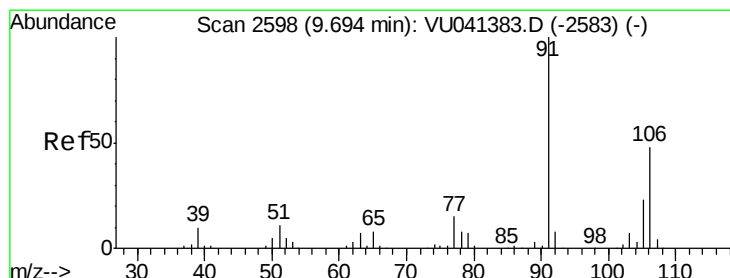
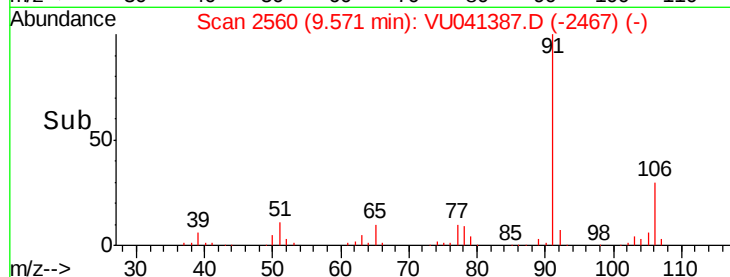
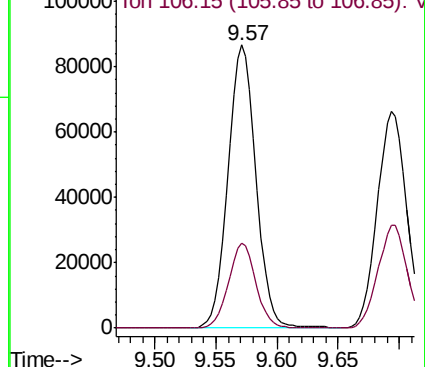
Ion Ratio Lower Upper

91 100

106 30.2 20.6 38.2



Abundance Ion 91.15 (90.85 to 91.85): VU041387.D (-2547) (-)



#53

m,p-Xylene

Concen: 5.486 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041387.D

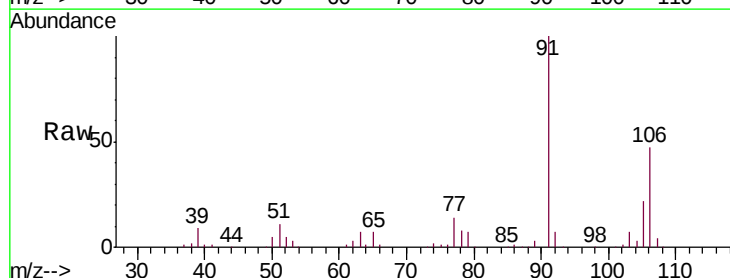
Acq: 23 Nov 2020 14:28

Tgt Ion: 106 Resp: 52512

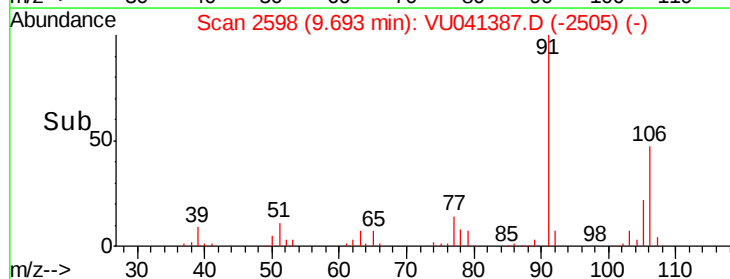
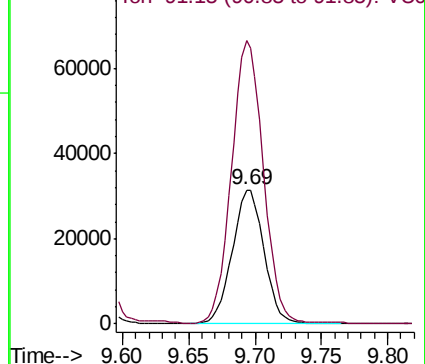
Ion Ratio Lower Upper

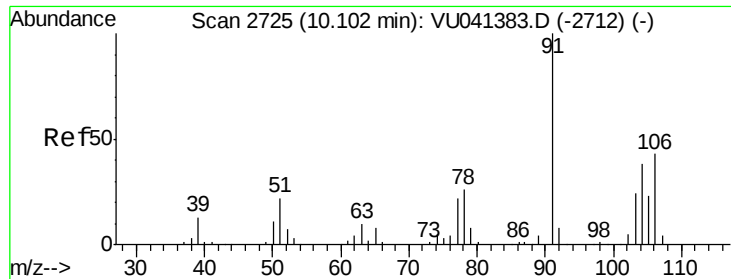
106 100

91 211.0 145.0 269.4



Abundance Ion 106.15 (105.85 to 106.85): VU041387.D (-2598) (-)

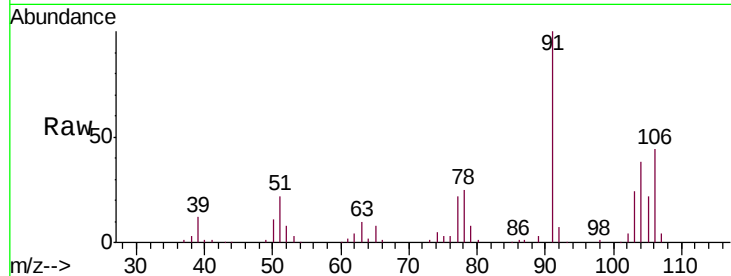




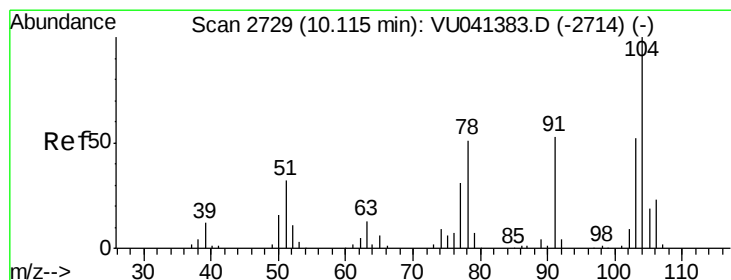
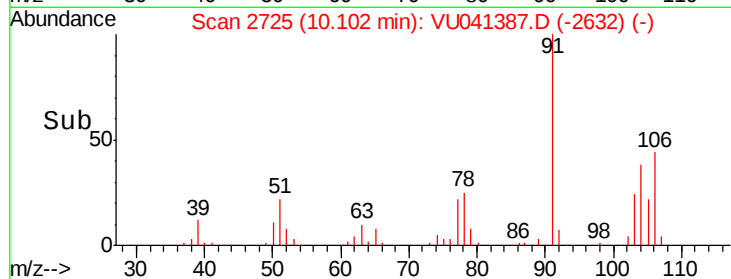
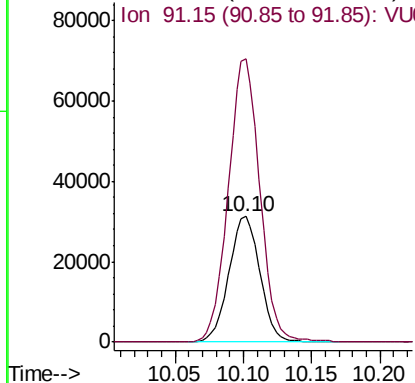
#54
o-Xylene
Concen: 5.398 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU041387.D
Acq: 23 Nov 2020 14:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Tgt Ion:106 Resp: 49775
Ion Ratio Lower Upper
106 100
91 225.8 162.0 300.8

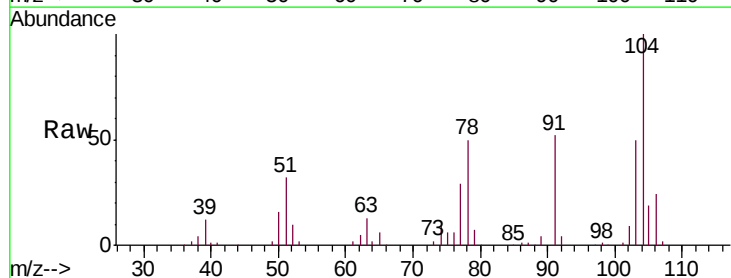


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

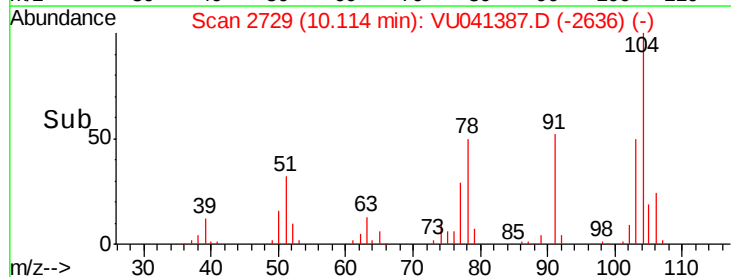
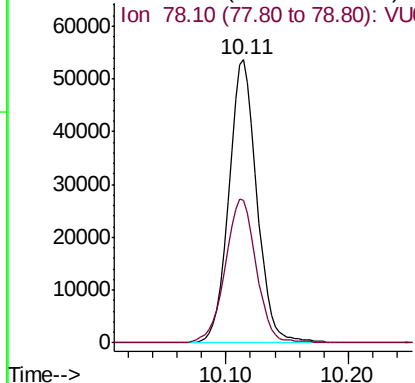


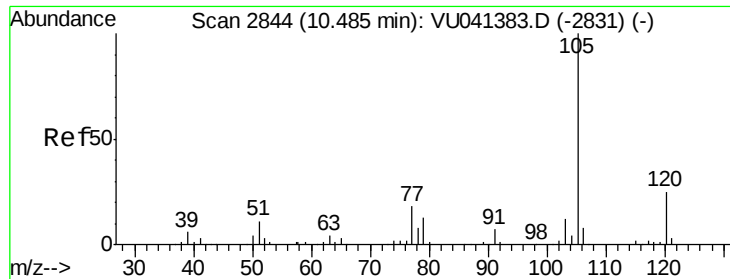
#55
Styrene
Concen: 5.580 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU041387.D
Acq: 23 Nov 2020 14:28

Tgt Ion:104 Resp: 85865
Ion Ratio Lower Upper
104 100
78 50.2 35.9 66.7



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





#56

Isopropylbenzene

Concen: 5.425 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU041387.D

Acq: 23 Nov 2020 14:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

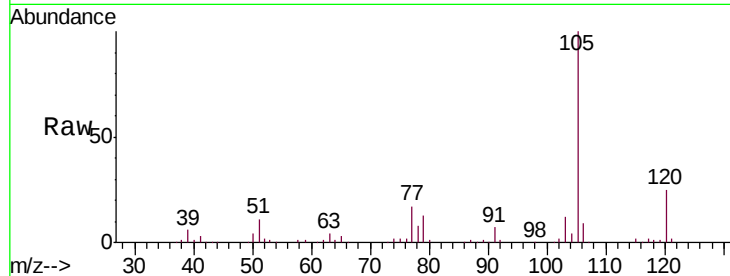
Tgt Ion: 105 Resp: 134340

Ion Ratio Lower Upper

105 100

120 25.7 20.1 30.1

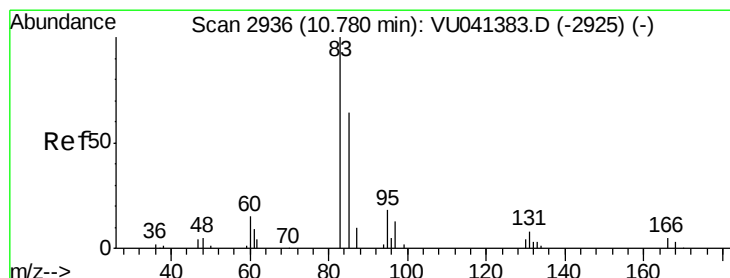
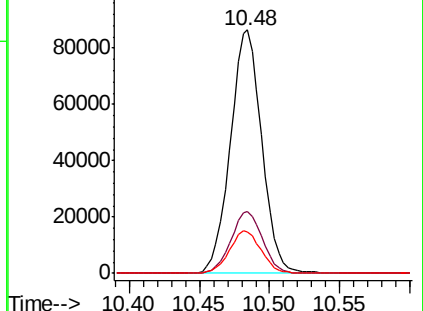
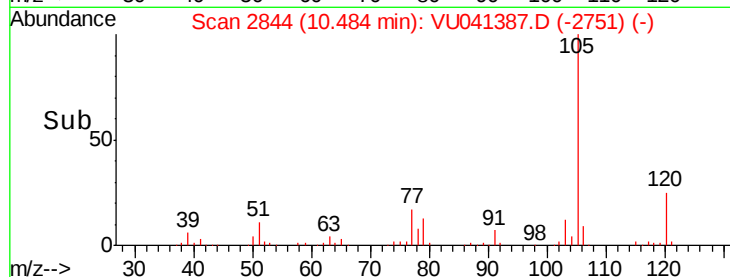
77 17.7 14.0 21.0



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: 5.138 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041387.D

Acq: 23 Nov 2020 14:28

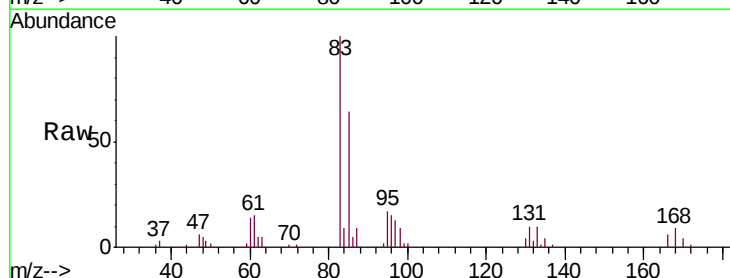
Tgt Ion: 83 Resp: 27565

Ion Ratio Lower Upper

83 100

85 64.3 45.1 83.9

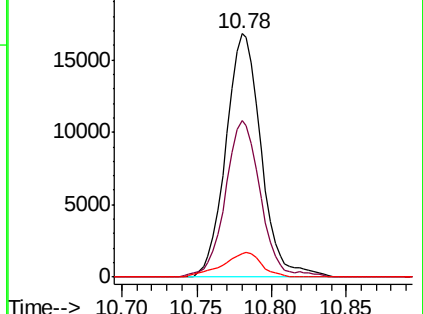
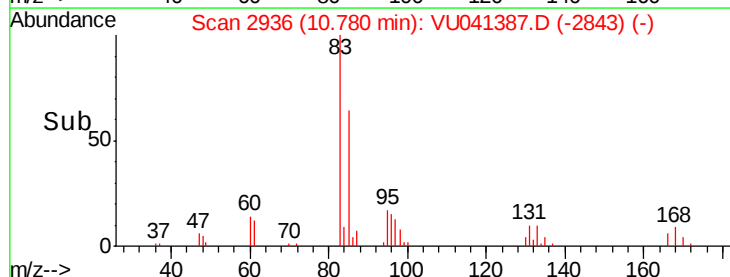
131 9.7 7.6 11.4

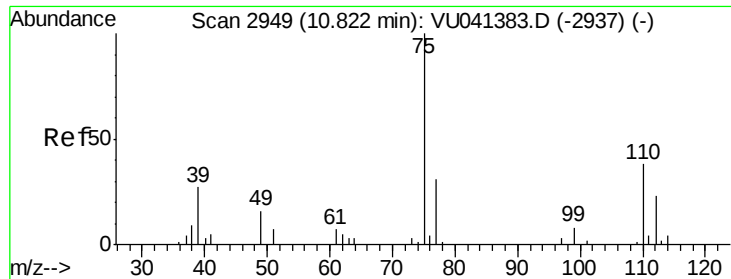


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.037 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU041387.D

Acq: 23 Nov 2020 14:28

Instrument :

MSVOA_U

ClientSampleId :

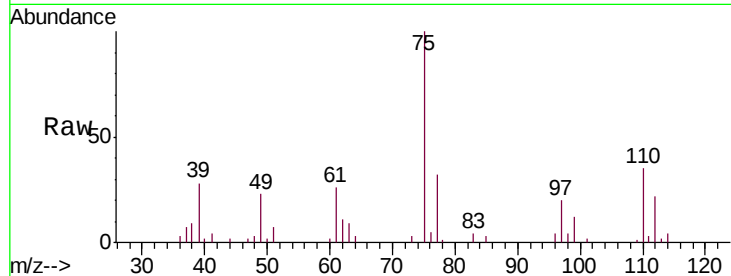
VSTD00509

Tgt Ion: 75 Resp: 20702

Ion Ratio Lower Upper

75 100

77 31.7 25.1 37.7



Abundance Ion 75.00 (74.70 to 75.70): VU041387.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041387.D (-2937) (-)

10.82

15000

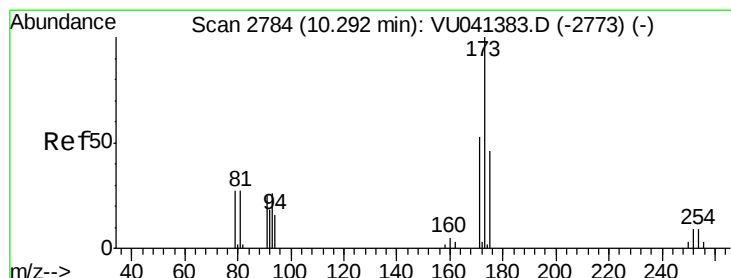
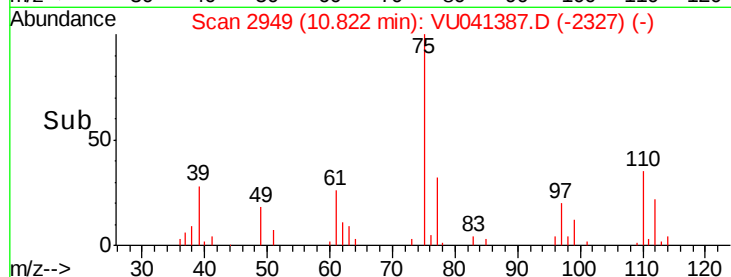
10000

5000

0

Time-->

10.75 10.80 10.85



#61

Bromoform

Concen: 5.057 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU041387.D

Acq: 23 Nov 2020 14:28

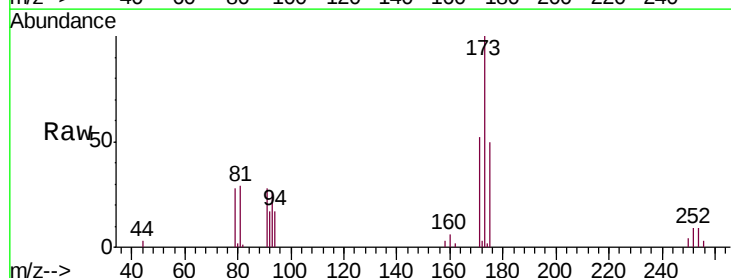
Tgt Ion: 173 Resp: 15145

Ion Ratio Lower Upper

173 100

175 49.1 37.9 56.9

254 9.0 7.1 10.7



Abundance Ion 172.90 (172.60 to 173.60): VU041387.D (-2773) (-)

Ion 174.90 (174.60 to 175.60): VU041387.D (-2773) (-)

Ion 253.75 (253.45 to 254.45): VU041387.D (-2773) (-)

10.29

12000

10000

8000

6000

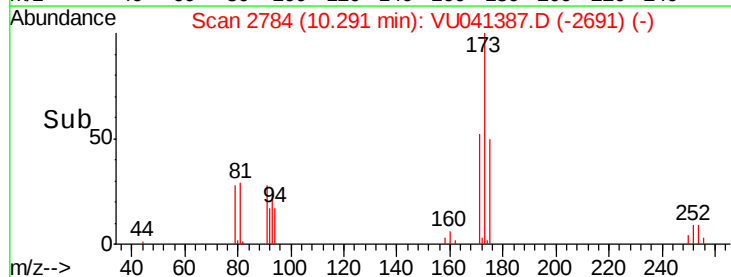
4000

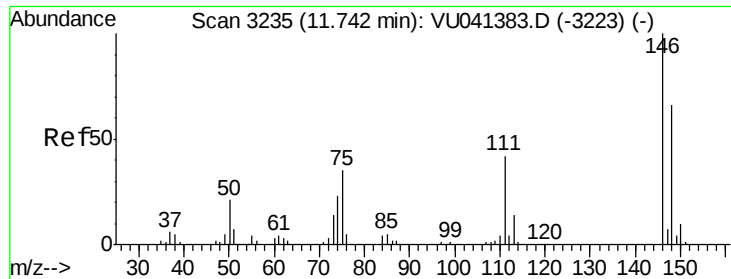
2000

0

Time-->

10.25 10.30 10.35

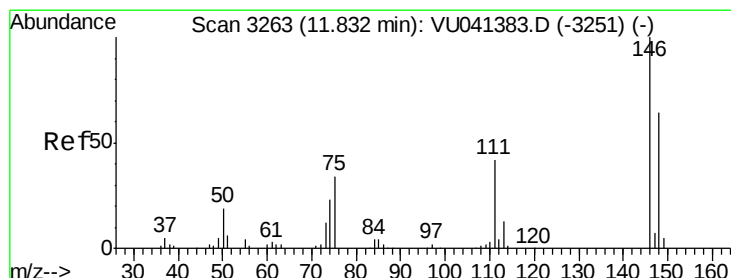
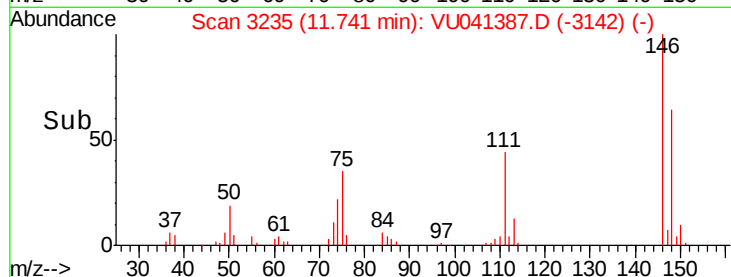
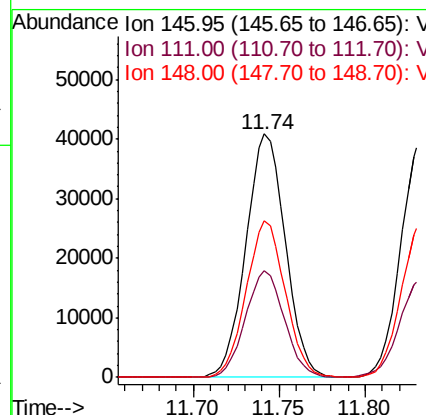
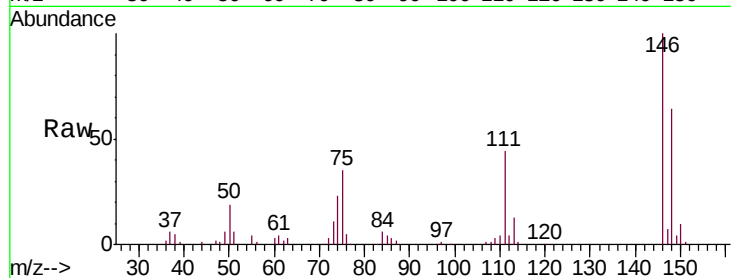




#62
 1,3-Dichlorobenzene
 Concen: 5.284 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU041387.D
 Acq: 23 Nov 2020 14:28

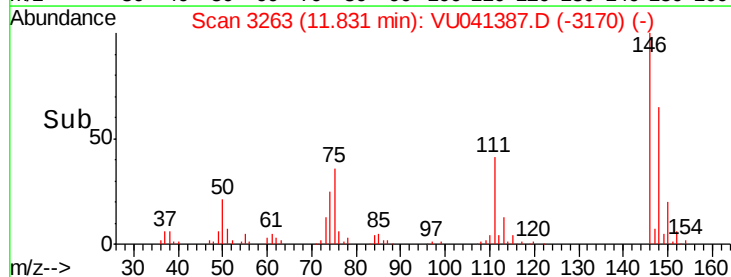
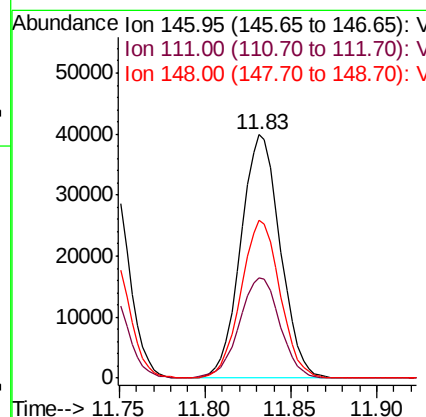
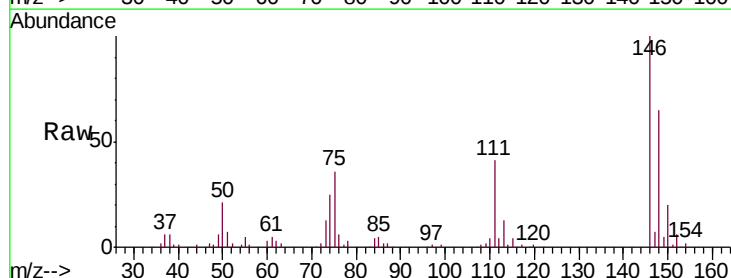
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

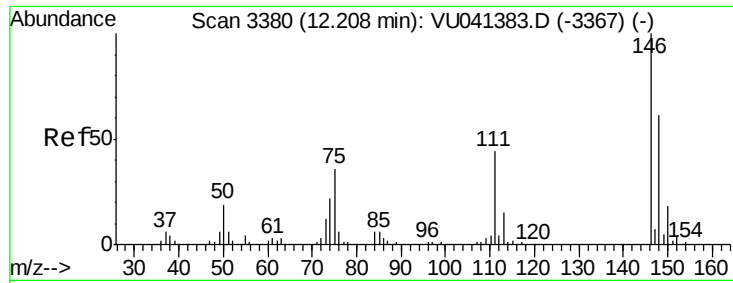
Tgt Ion:146 Resp: 64905
 Ion Ratio Lower Upper
 146 100
 111 43.6 29.5 54.7
 148 64.2 46.3 85.9



#63
 1,4-Dichlorobenzene
 Concen: 5.246 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041387.D
 Acq: 23 Nov 2020 14:28

Tgt Ion:146 Resp: 63712
 Ion Ratio Lower Upper
 146 100
 111 41.4 30.0 55.6
 148 64.9 44.4 82.5

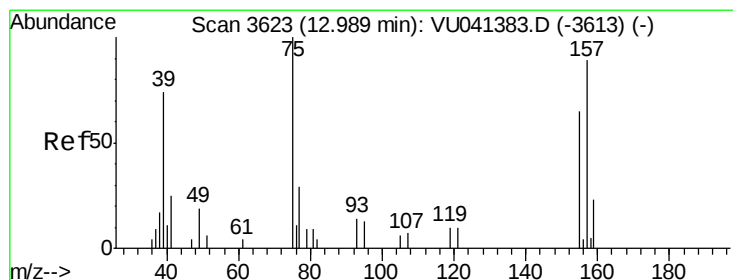
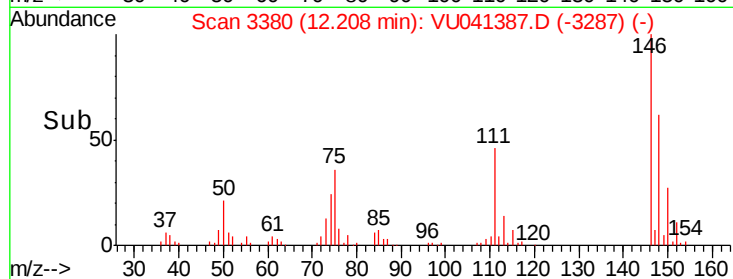
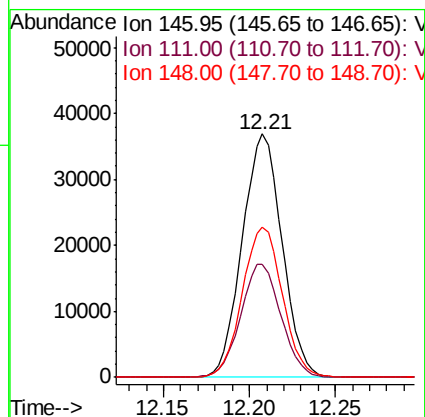
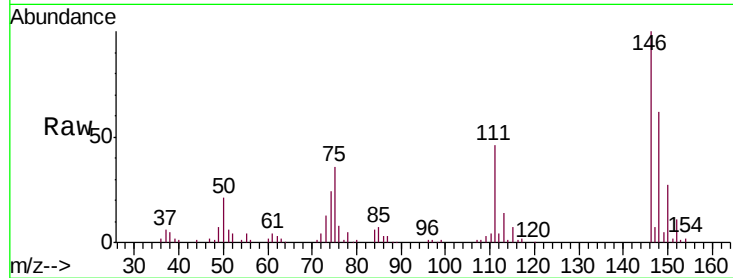




#65
 1,2-Dichlorobenzene
 Concen: 5.219 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU041387.D
 Acq: 23 Nov 2020 14:28

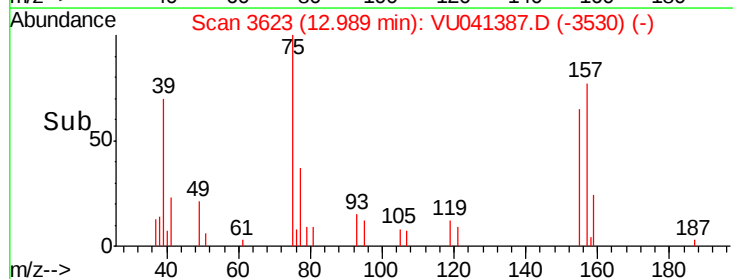
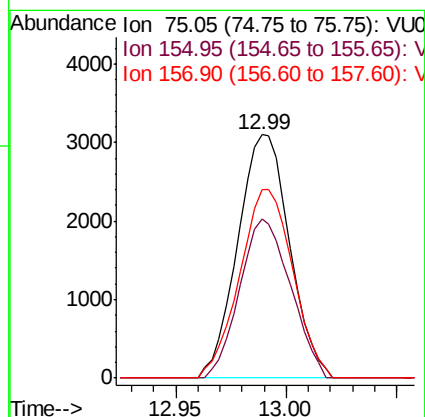
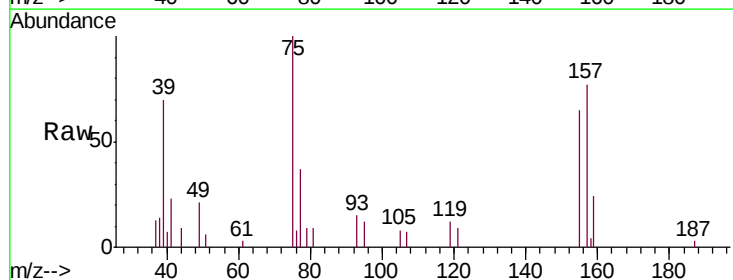
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

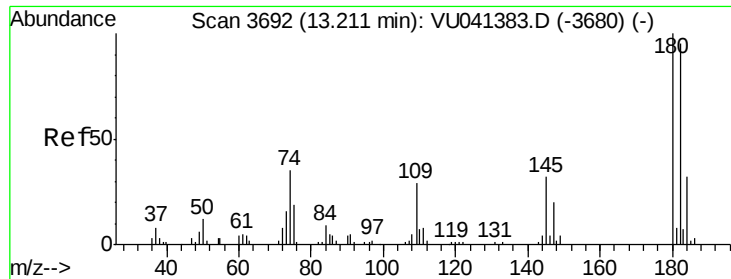
Tgt Ion: 146 Resp: 59308
 Ion Ratio Lower Upper
 146 100
 111 46.3 35.3 52.9
 148 61.8 48.6 73.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.670 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU041387.D
 Acq: 23 Nov 2020 14:28

Tgt Ion: 75 Resp: 5049
 Ion Ratio Lower Upper
 75 100
 155 65.3 51.9 77.9
 157 77.5 71.5 107.3

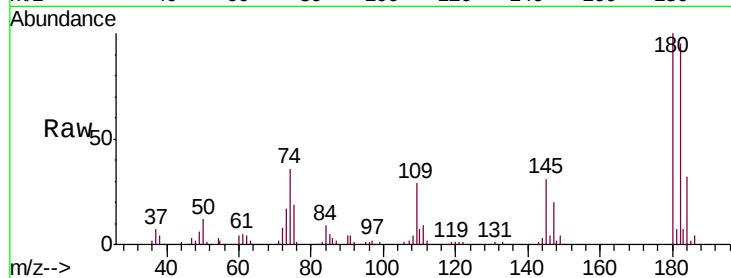




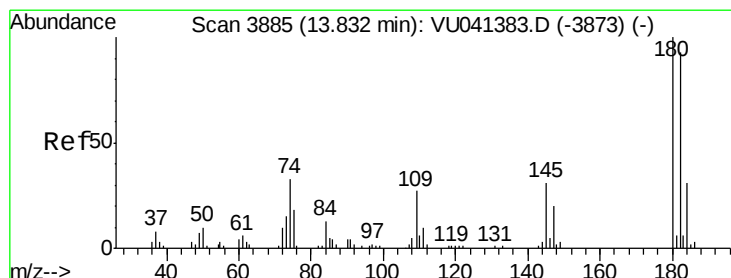
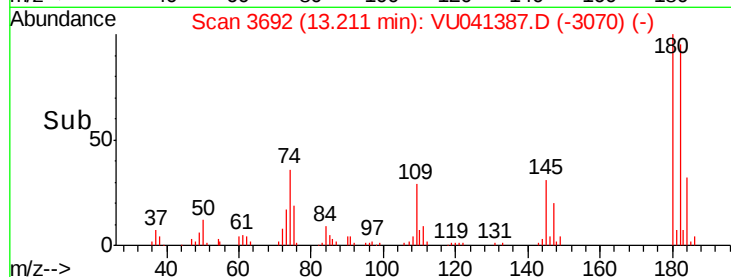
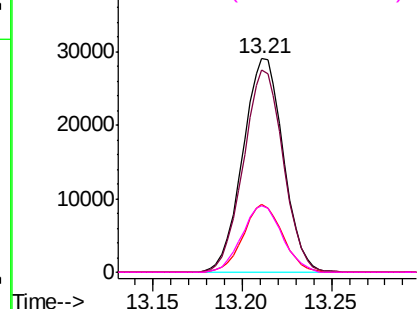
#67
 1,3,5-Trichlorobenzene
 Concen: 5.318 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU041387.D
 Acq: 23 Nov 2020 14:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tgt Ion:180 Resp: 45913
 Ion Ratio Lower Upper
 180 100
 182 93.2 77.5 116.3
 184 30.6 25.7 38.5
 145 31.1 26.2 39.2

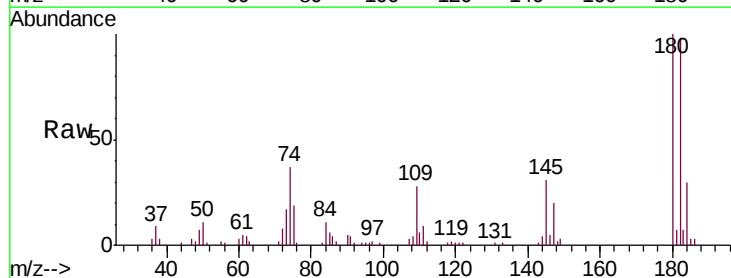


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

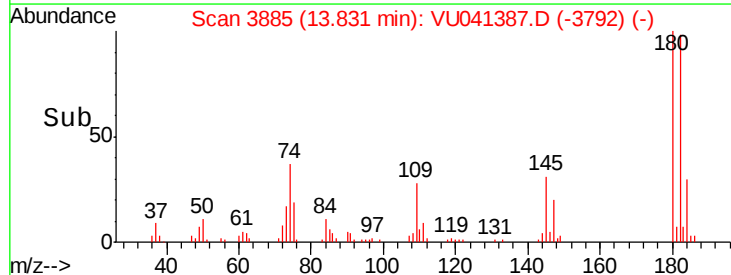
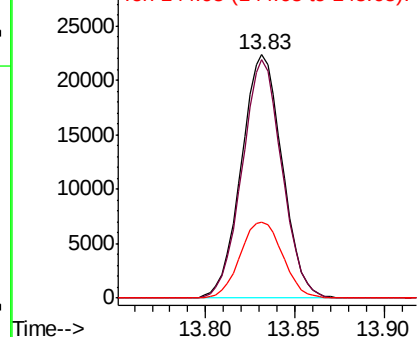


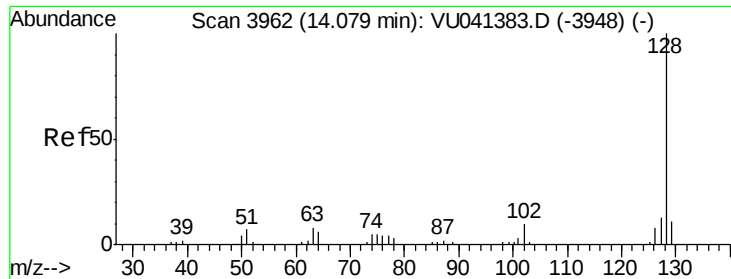
#68
 1,2,4-trichlorobenzene
 Concen: 5.288 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU041387.D
 Acq: 23 Nov 2020 14:28

Tgt Ion:180 Resp: 35834
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.0 114.0
 145 32.4 25.7 38.5



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





#69

Naphthalene

Concen: 5.023 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU041387.D

Acq: 23 Nov 2020 14:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

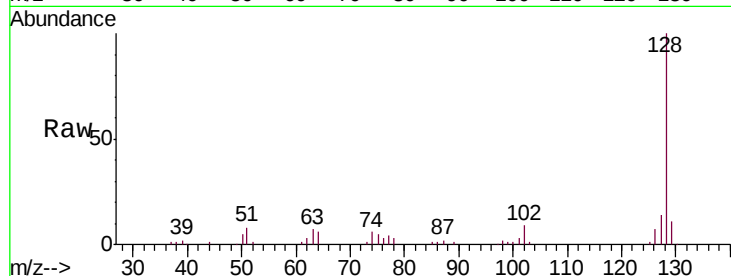
Tgt Ion:128 Resp: 53476

Ion Ratio Lower Upper

128 100

129 10.8 8.3 12.5

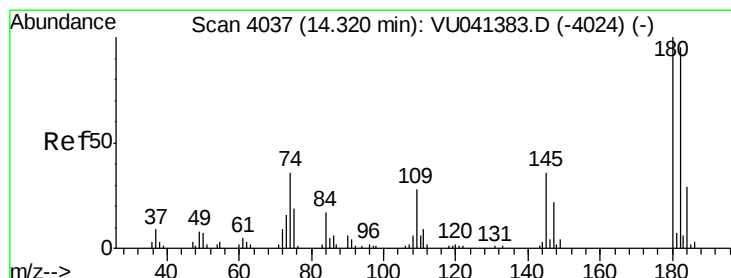
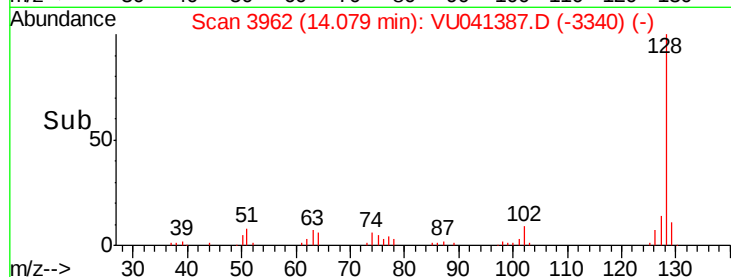
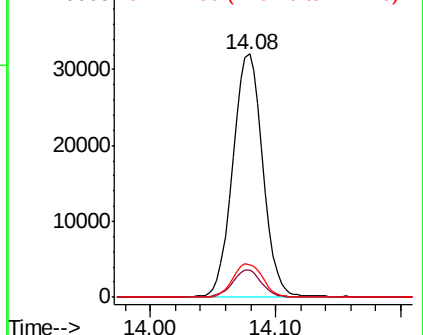
127 13.9 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.226 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU041387.D

Acq: 23 Nov 2020 14:28

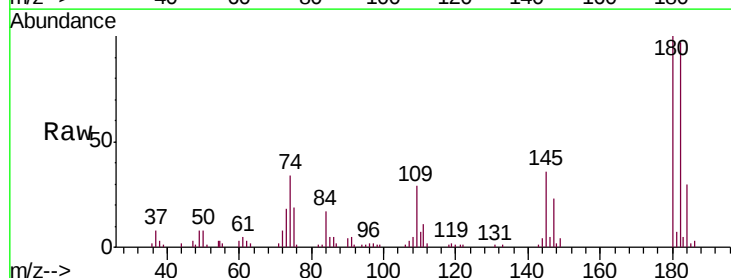
Tgt Ion:180 Resp: 32360

Ion Ratio Lower Upper

180 100

182 96.0 75.9 113.9

145 35.9 27.7 41.5



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

