

Data File : VU041337.D
Acq On : 19 Nov 2020 01:45
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Quant Time: Nov 19 02:17:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 19 00:50:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	67944	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	67906	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	33818	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	19816	3.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.20%
7) Chloroethane-d5	1.92	69	19503	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.58	63	46984	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.00%
20) 2-Butanone-d5	4.66	46	97408	47.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.54%
24) Chloroform-d	5.08	84	55775	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
26) 1,2-Dichloroethane-d4	5.72	65	33985	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.74	84	96498	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
36) 1,2-Dichloropropane-d6	6.70	67	32775	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.00%
41) Toluene-d8	7.91	98	91776	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
43) trans-1,3-Dichloropropene-	8.18	79	13504	4.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.40%
46) 2-Hexanone-d5	8.64	63	72478	49.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.96%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	29805	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	33432	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	27817	4.960 ug/L	99
3) Chloromethane	1.53	50	23465	3.885 ug/L	97
5) Vinyl chloride	1.61	62	25354	4.298 ug/L	99
6) Bromomethane	1.86	94	7093	2.027 ug/L	95
8) Chloroethane	1.94	64	15999	4.087 ug/L	98
9) Trichlorofluoromethane	2.15	101	44933	4.891 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	23419	4.679 ug/L	94
12) 1,1-Dichloroethene	2.59	96	20682	4.676 ug/L	92
13) Acetone	2.66	43	56598	41.402 ug/L #	60
14) Carbon disulfide	2.81	76	53916	4.142 ug/L	98
15) Methyl Acetate	2.97	43	12990	4.574 ug/L	98
16) Methylene chloride	3.06	84	29576	5.333 ug/L	96
17) Methyl tert-butyl Ether	3.38	73	59099	4.881 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	21030	4.882 ug/L	96
19) 1,1-Dichloroethane	3.89	63	47174	4.898 ug/L	97
21) 2-Butanone	4.74	43	91963	44.310 ug/L	99
22) cis-1,2-Dichloroethene	4.68	96	24171	4.968 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	12002	4.976	ug/L	92
25) Chloroform	5.11	83	51263	4.908	ug/L	97
27) 1,2-Dichloroethane	5.81	62	36823	4.904	ug/L #	90
29) 1,1,1-Trichloroethane	5.33	97	43705	5.266	ug/L	94
30) Cyclohexane	5.40	56	31573	4.604	ug/L	94
31) Carbon tetrachloride	5.54	117	38225	5.311	ug/L	99
33) Benzene	5.79	78	96721	5.256	ug/L	100
34) Trichloroethene	6.56	95	24980	5.023	ug/L	99
35) Methylcyclohexane	6.77	83	31652	4.790	ug/L	98
37) 1,2-Dichloropropane	6.80	63	27595	5.130	ug/L #	97
38) Bromodichloromethane	7.11	83	37093	5.276	ug/L #	93
39) cis-1,3-Dichloropropene	7.62	75	37062	4.940	ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	212429	47.722	ug/L	99
42) Toluene	7.98	91	101394	5.156	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	35331	4.978	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	20788	4.997	ug/L	95
47) Tetrachloroethene	8.56	164	17783	4.839	ug/L	98
48) 2-Hexanone	8.69	43	160125	48.189	ug/L	100
49) Dibromochloromethane	8.81	129	25743	5.222	ug/L	100
50) 1,2-Dibromoethane	8.93	107	19399	5.027	ug/L	100
51) Chlorobenzene	9.45	112	65255	5.009	ug/L	100
52) Ethylbenzene	9.57	91	106225	5.058	ug/L	99
53) m,p-Xylene	9.70	106	40071	5.279	ug/L	97
54) o-Xylene	10.10	106	38971	5.330	ug/L	99
55) Styrene	10.11	104	68774	5.312	ug/L	100
56) Isopropylbenzene	10.48	105	105788	5.463	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.78	83	26426	4.860	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	20851	4.915	ug/L	99
61) Bromoform	10.29	173	14794	4.777	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	52318	5.141	ug/L	95
63) 1,4-Dichlorobenzene	11.83	146	51365	4.899	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	50304	4.970	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	4595	4.890	ug/L	94
67) 1,3,5-Trichlorobenzene	13.21	180	34850	4.808	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	26562	4.412	ug/L	95
69) Naphthalene	14.08	128	43418	4.454	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	26275	4.700	ug/L	98

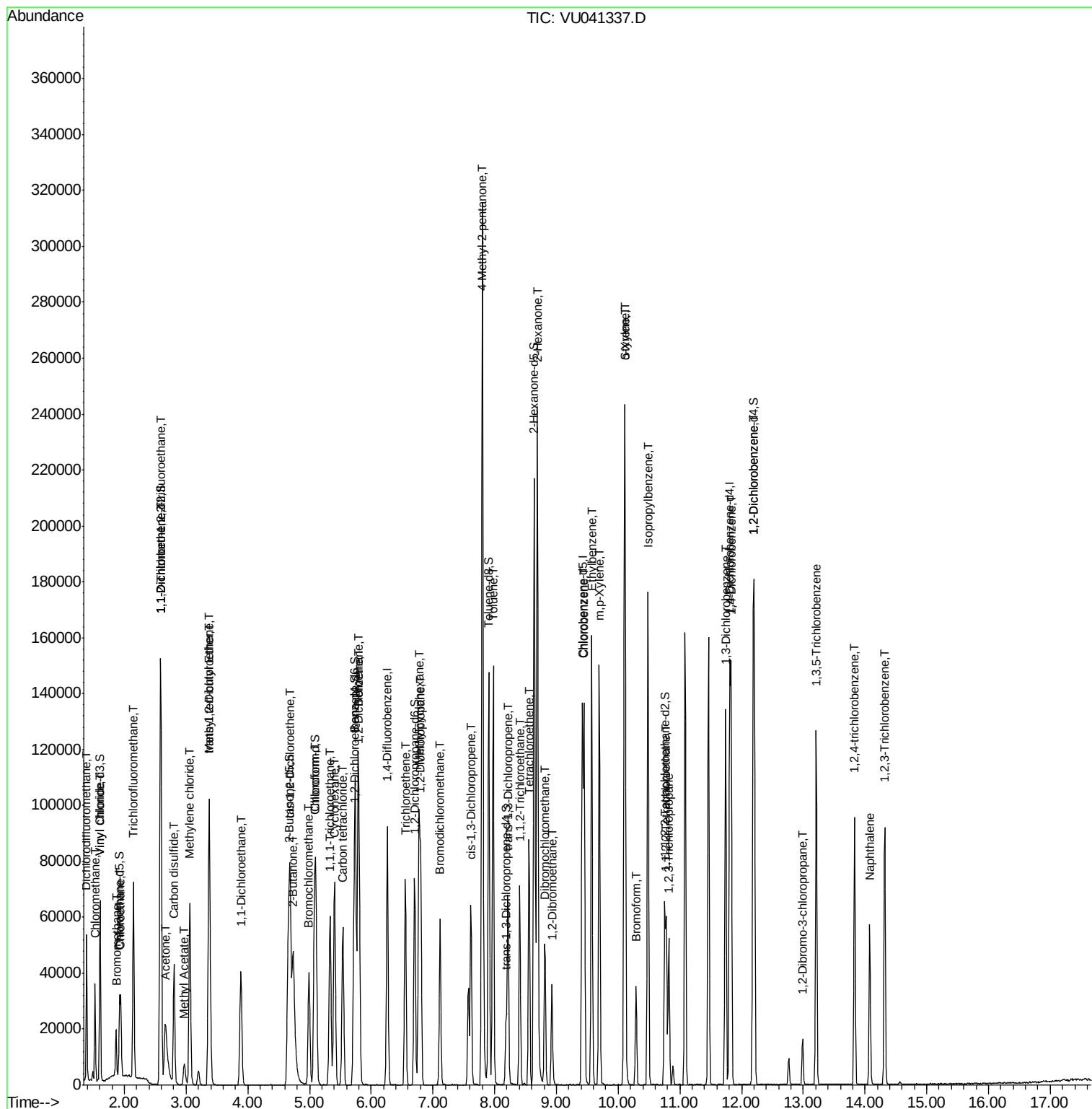
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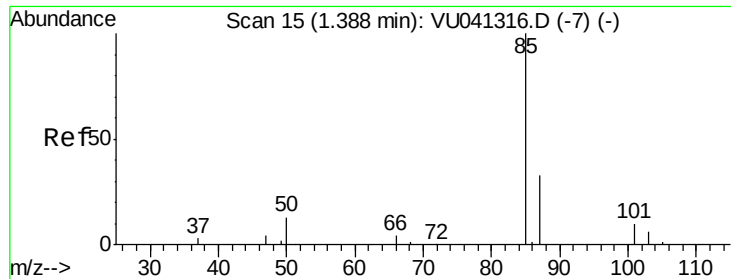
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#2

Dichlorodifluoromethane

Concen: 4.960 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041337.D

Acq: 19 Nov 2020 01:45

Instrument :

MSVOA_U

ClientSampleId :

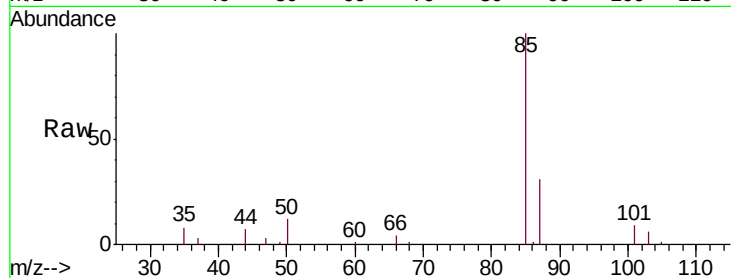
VSTD00528

Tgt Ion: 85 Resp: 27817

Ion Ratio Lower Upper

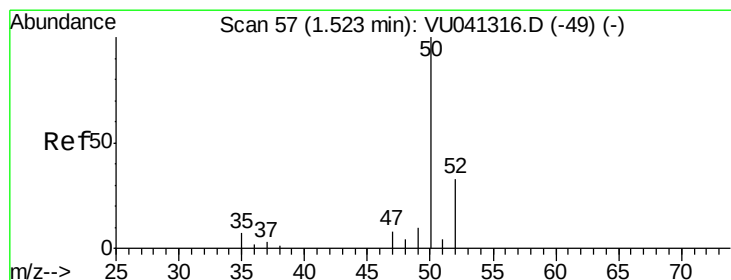
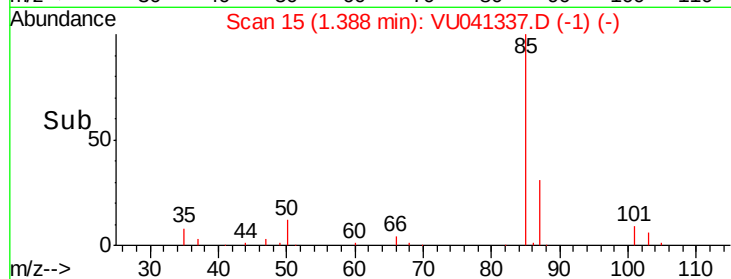
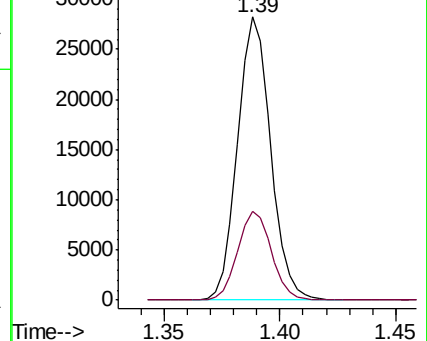
85 100

87 31.8 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 3.885 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041337.D

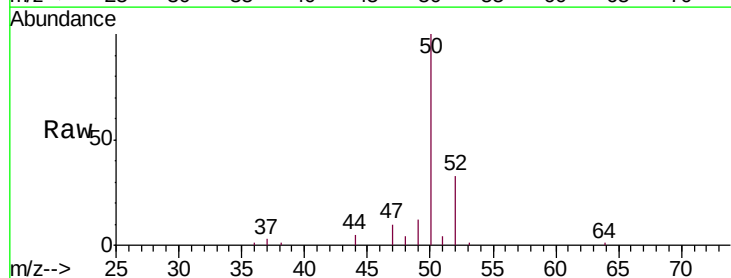
Acq: 19 Nov 2020 01:45

Tgt Ion: 50 Resp: 23465

Ion Ratio Lower Upper

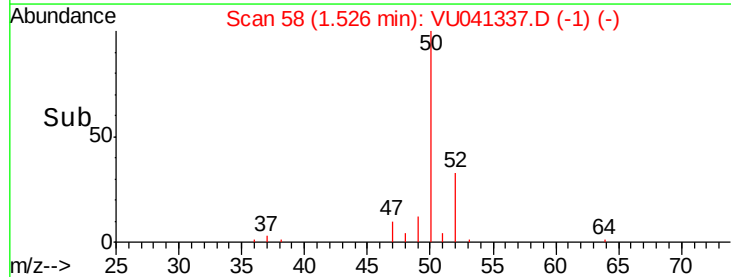
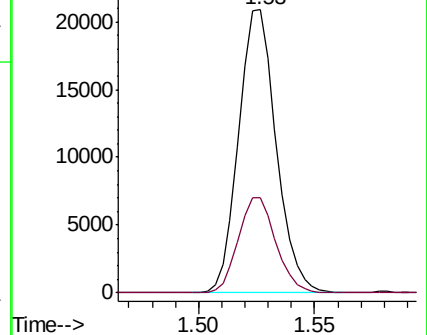
50 100

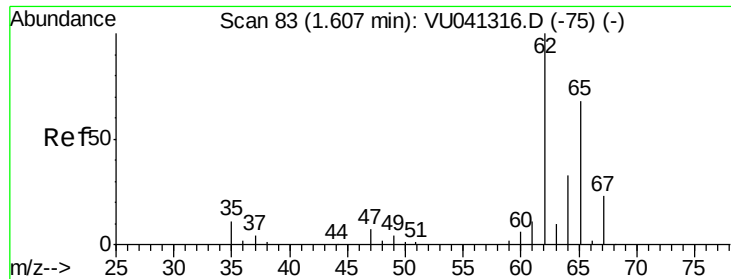
52 33.5 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.298 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041337.D

Acq: 19 Nov 2020 01:45

Instrument :

MSVOA_U

ClientSampleId :

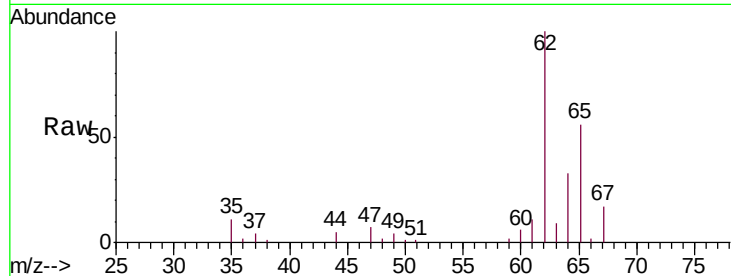
VSTD00528

Tgt Ion: 62 Resp: 25354

Ion Ratio Lower Upper

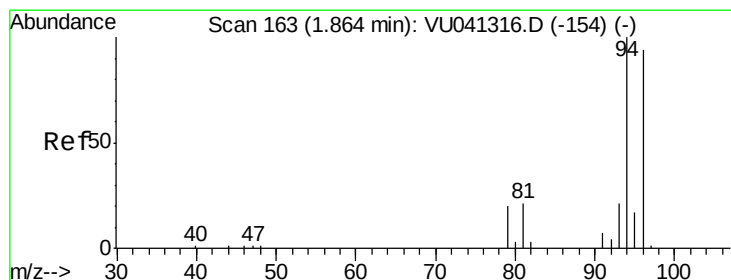
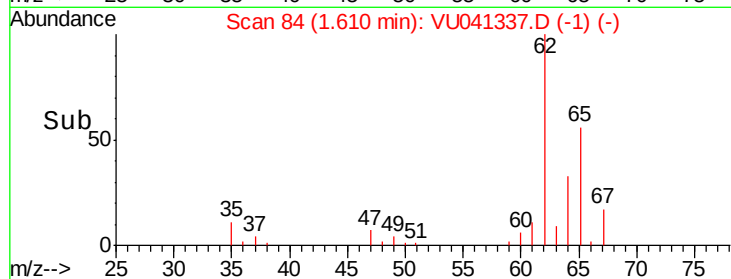
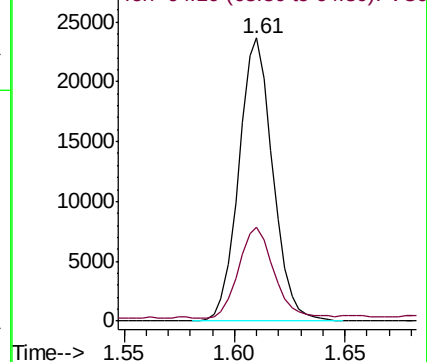
62 100

64 33.0 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 2.027 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU041337.D

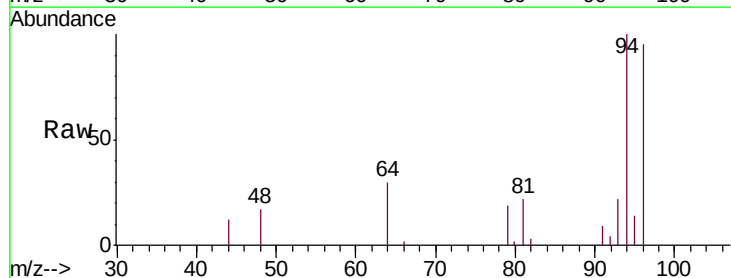
Acq: 19 Nov 2020 01:45

Tgt Ion: 94 Resp: 7093

Ion Ratio Lower Upper

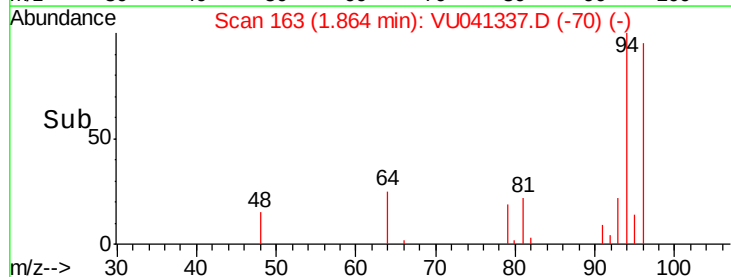
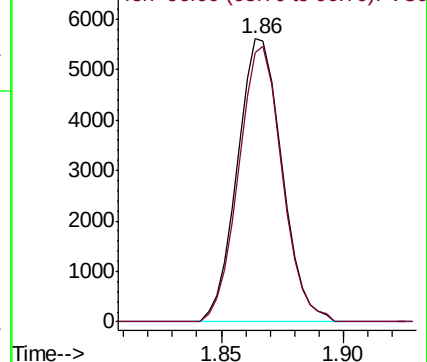
94 100

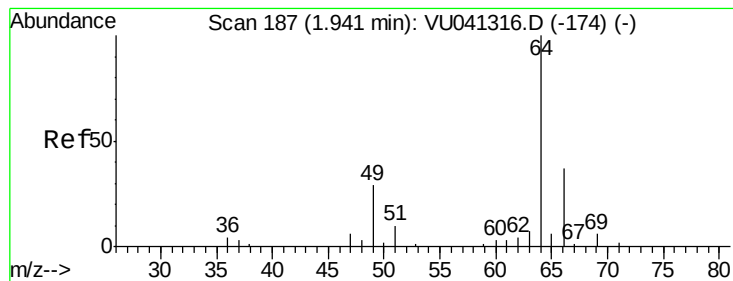
96 95.3 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.087 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU041337.D

Acq: 19 Nov 2020 01:45

Instrument :

MSVOA_U

ClientSampleId :

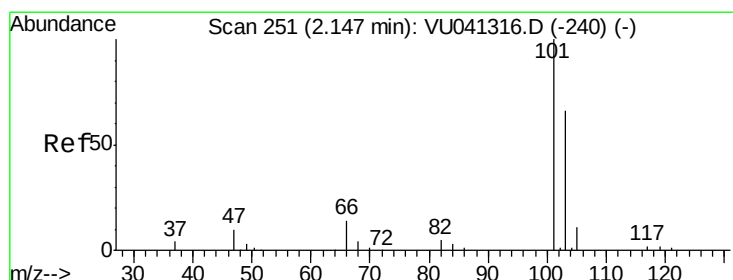
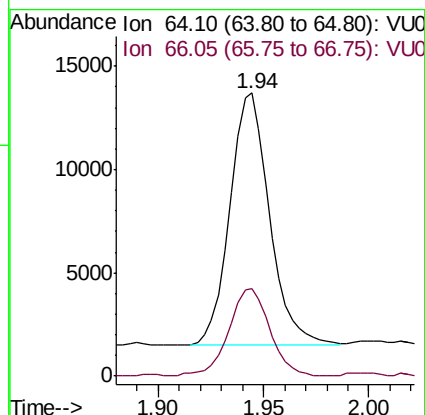
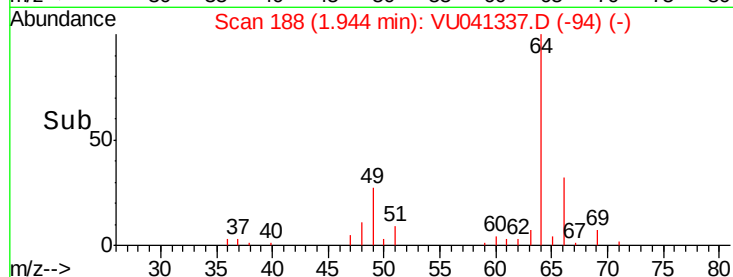
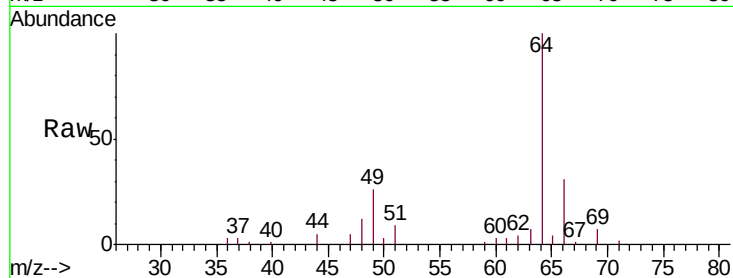
VSTD00528

Tgt Ion: 64 Resp: 15999

Ion Ratio Lower Upper

64 100

66 30.9 22.3 41.5



#9

Trichlorofluoromethane

Concen: 4.891 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU041337.D

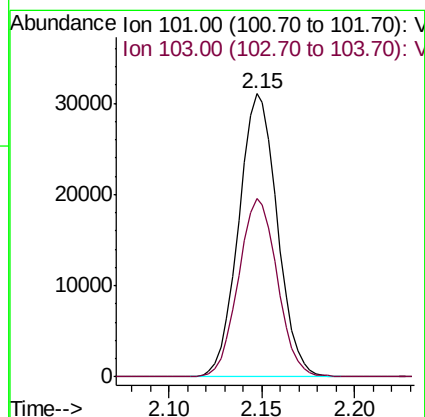
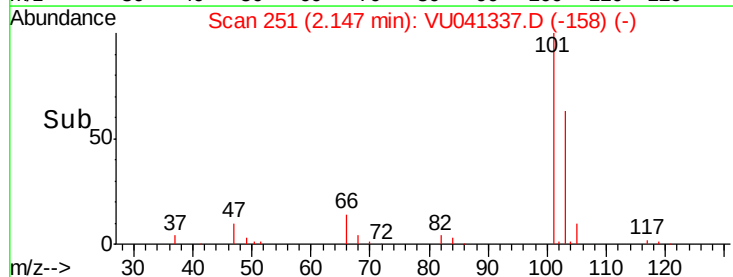
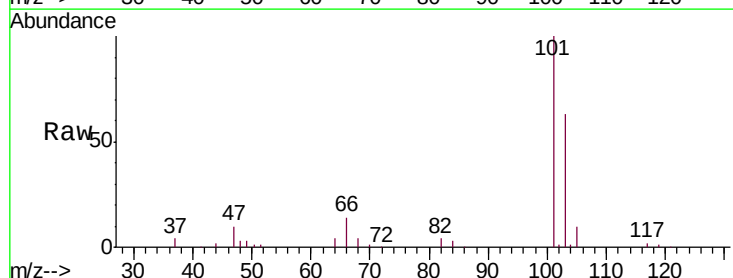
Acq: 19 Nov 2020 01:45

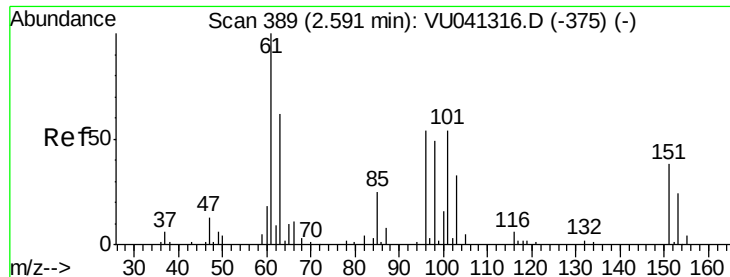
Tgt Ion: 101 Resp: 44933

Ion Ratio Lower Upper

101 100

103 63.5 51.0 76.4





#10

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

Concen: 4.679 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041337.D

Acq: 19 Nov 2020 01:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

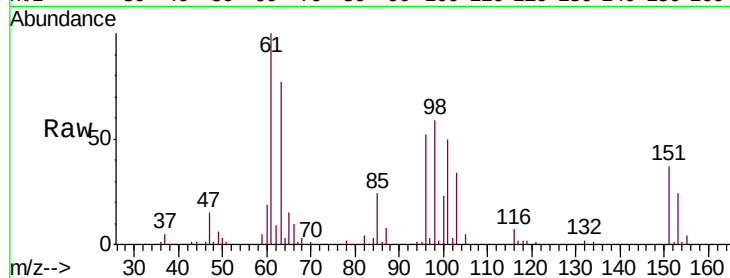
Tgt Ion:101 Resp: 23419

Ion Ratio Lower Upper

101 100

85 47.6 35.0 52.4

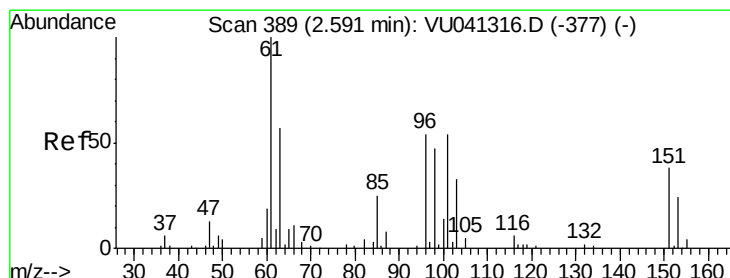
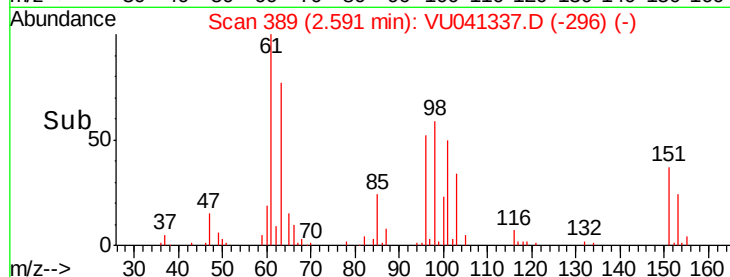
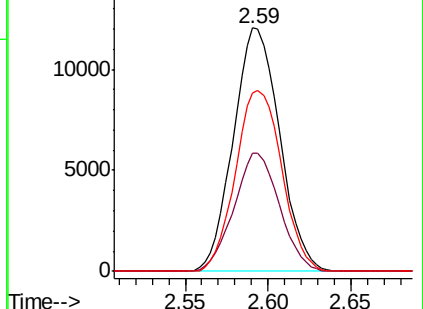
151 74.2 55.3 82.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.676 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041337.D

Acq: 19 Nov 2020 01:45

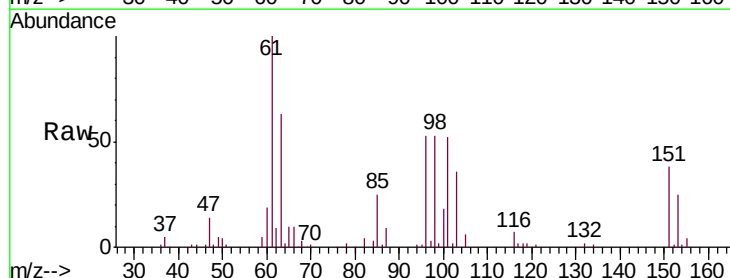
Tgt Ion: 96 Resp: 20682

Ion Ratio Lower Upper

96 100

61 187.5 134.3 249.5

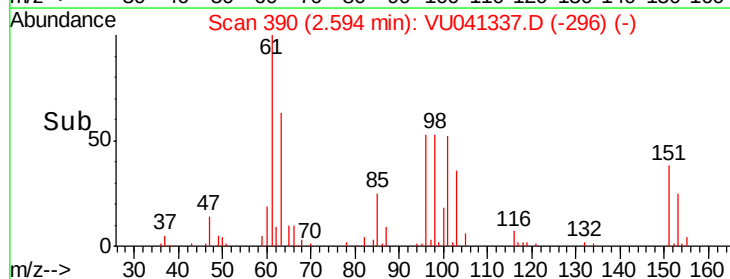
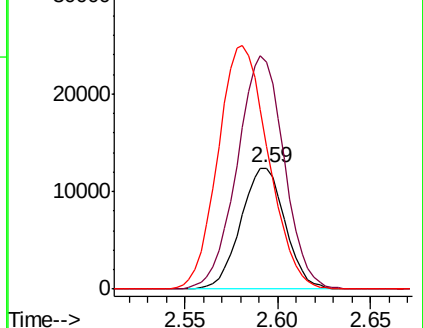
63 118.1 95.0 176.4

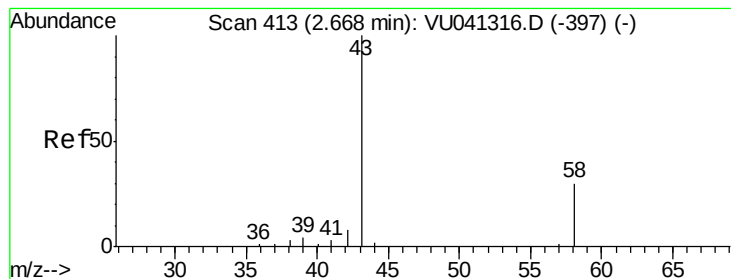


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 41.402 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.00 min

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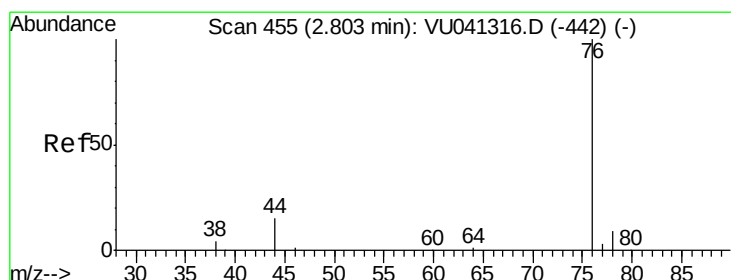
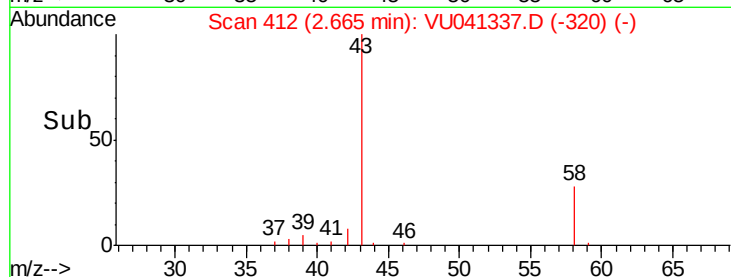
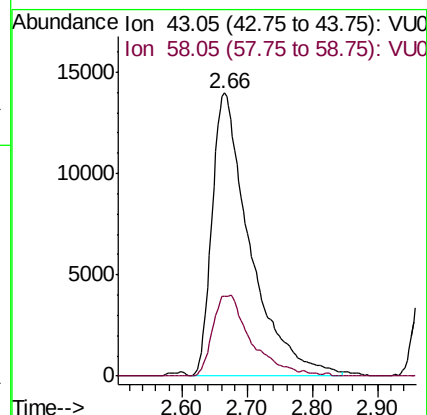
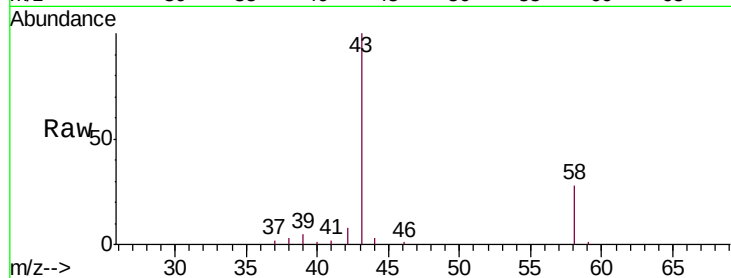
VSTD00528

Tgt Ion: 43 Resp: 56598

Ion Ratio Lower Upper

43 100

58 28.5 0.0 25.4#



#14

Carbon disulfide

Concen: 4.142 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041337.D

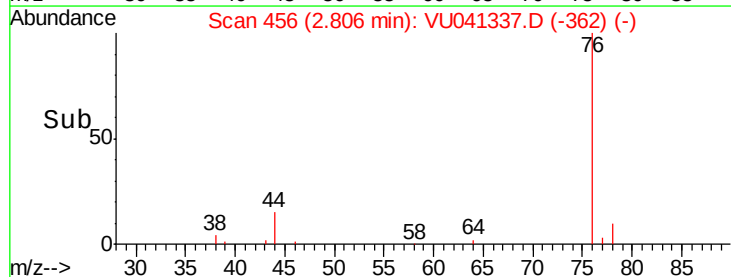
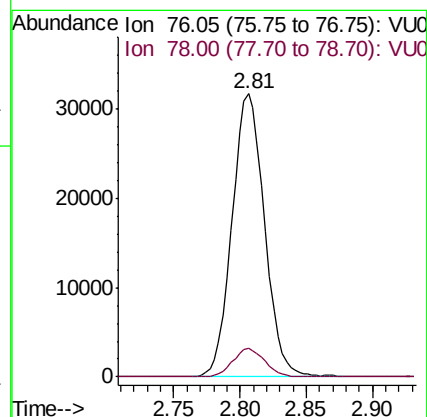
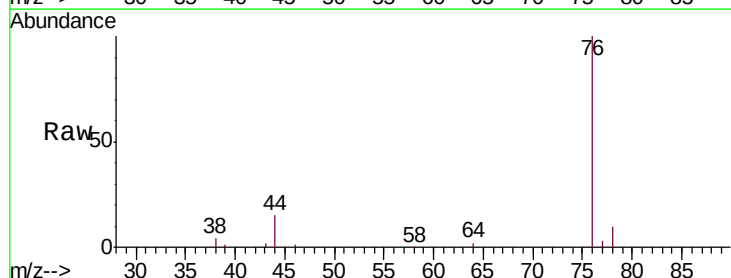
Acq: 19 Nov 2020 01:45

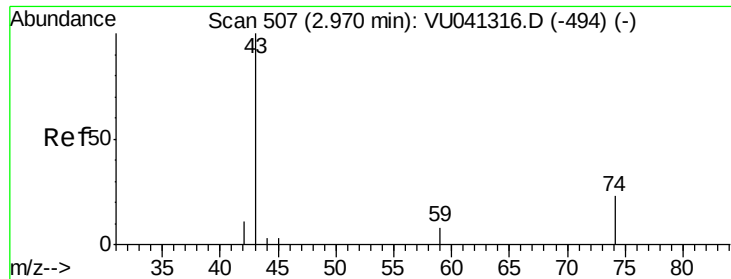
Tgt Ion: 76 Resp: 53916

Ion Ratio Lower Upper

76 100

78 10.0 7.5 11.3

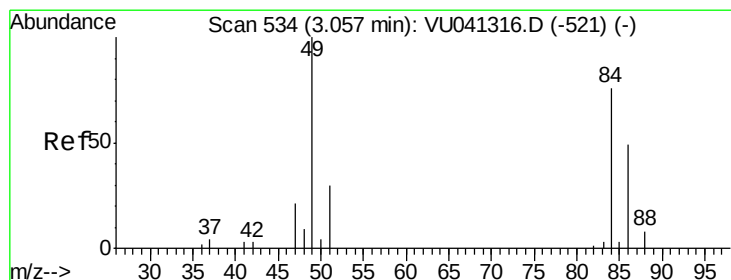
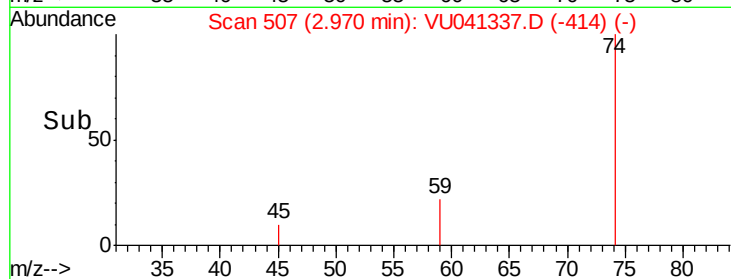
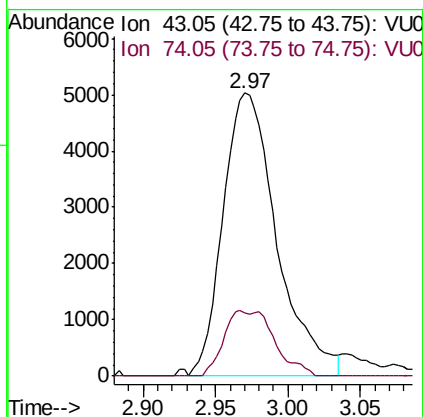
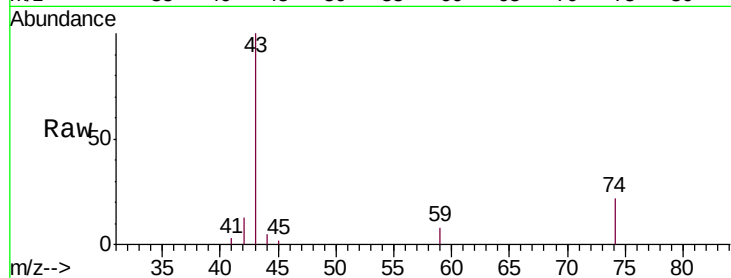




#15
Methyl Acetate
Concen: 4.574 ug/L
RT: 2.97 min Scan# 507
Delta R.T. -0.00 min
Lab File: VU041337.D
Acq: 19 Nov 2020 01:45

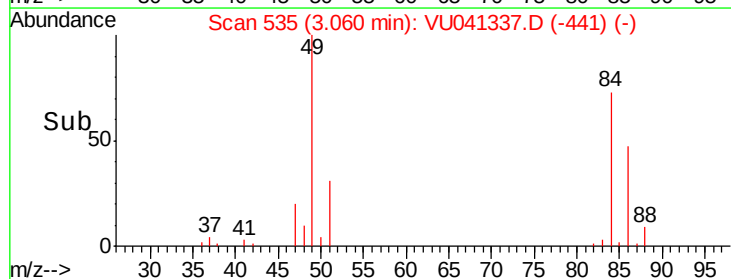
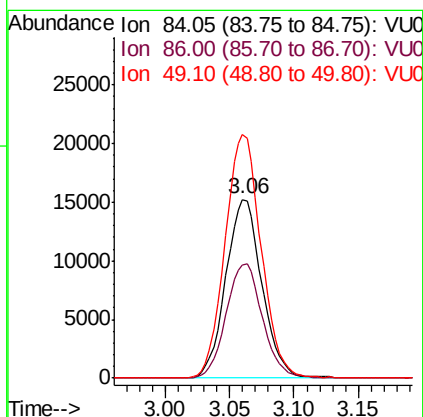
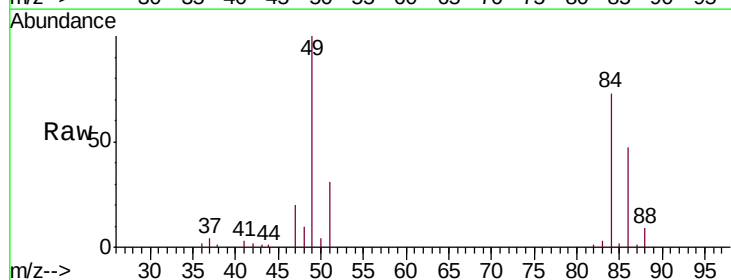
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

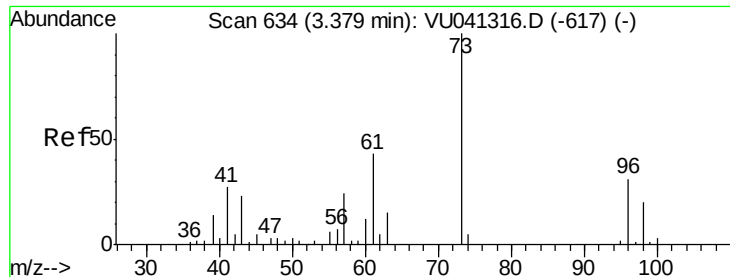
Tgt Ion: 43 Resp: 12990
Ion Ratio Lower Upper
43 100
74 21.7 18.3 27.5



#16
Methylene chloride
Concen: 5.333 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041337.D
Acq: 19 Nov 2020 01:45

Tgt Ion: 84 Resp: 29576
Ion Ratio Lower Upper
84 100
86 63.5 42.8 79.6
49 136.2 99.5 184.7

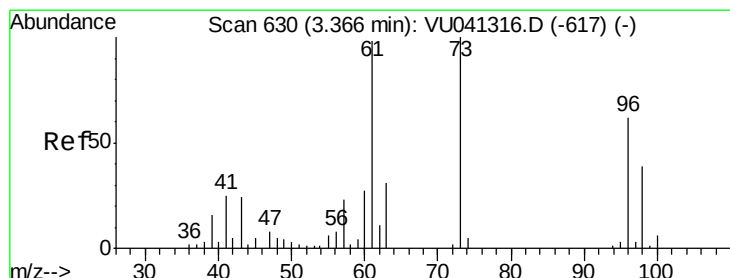
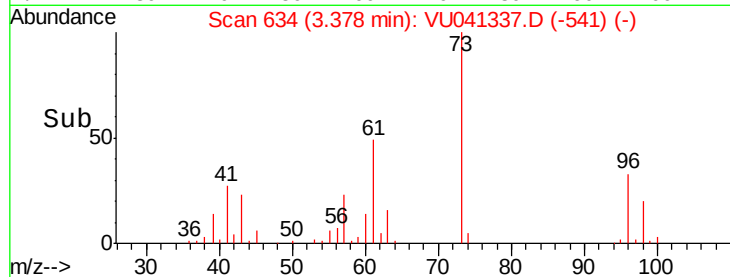
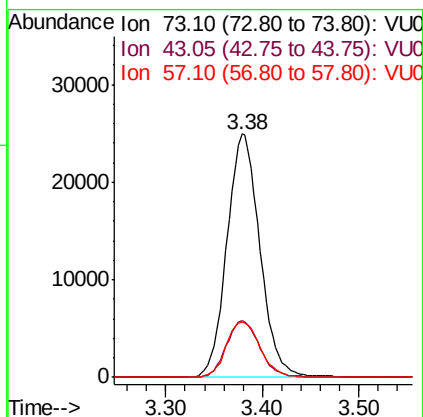
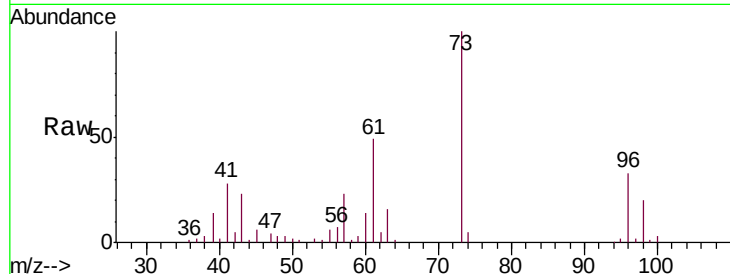




#17
Methyl tert-butyl Ether
Concen: 4.881 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041337.D
Acq: 19 Nov 2020 01:45

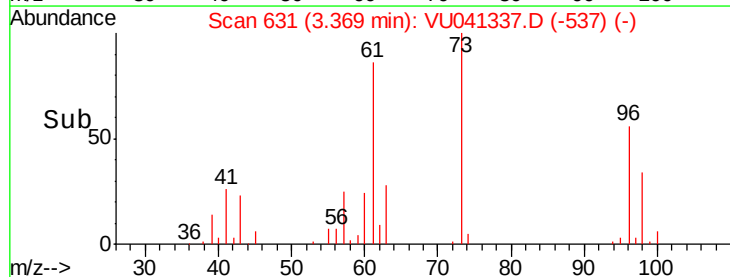
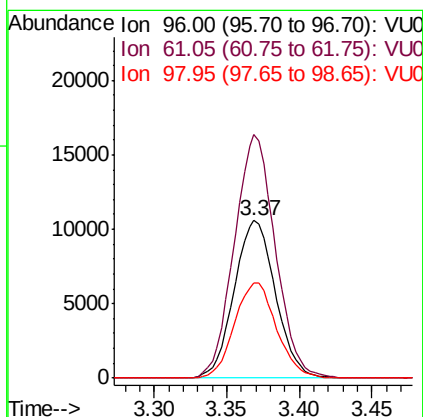
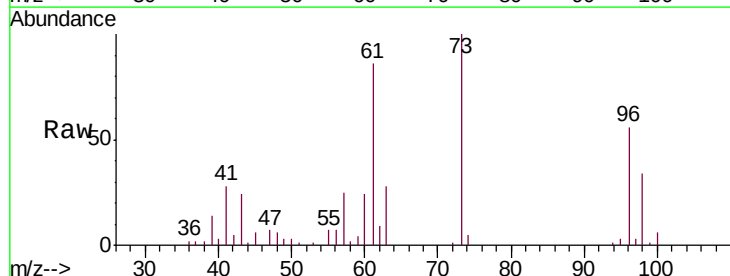
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

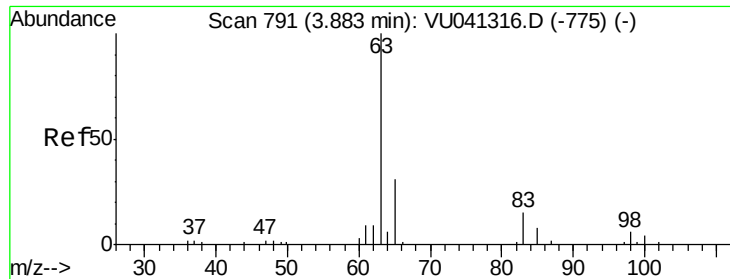
Tgt Ion: 73 Resp: 59099
Ion Ratio Lower Upper
73 100
43 23.3 18.5 27.7
57 23.3 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 4.882 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041337.D
Acq: 19 Nov 2020 01:45

Tgt Ion: 96 Resp: 21030
Ion Ratio Lower Upper
96 100
61 154.3 110.9 205.9
98 60.7 45.4 84.2

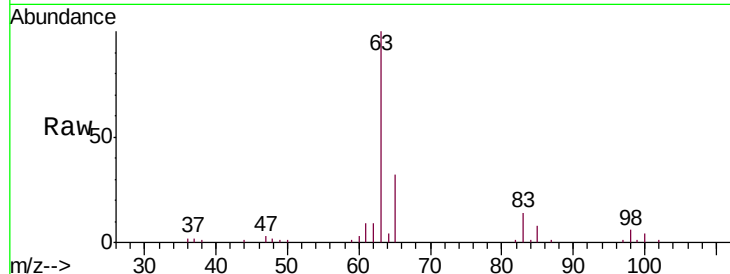




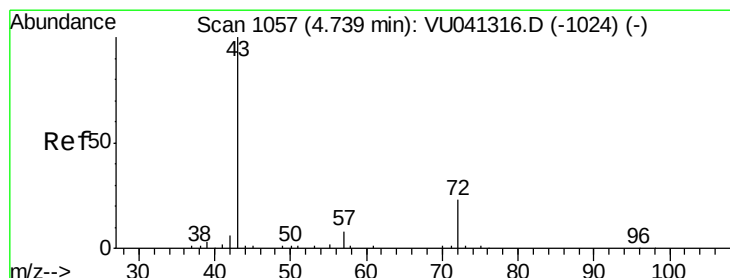
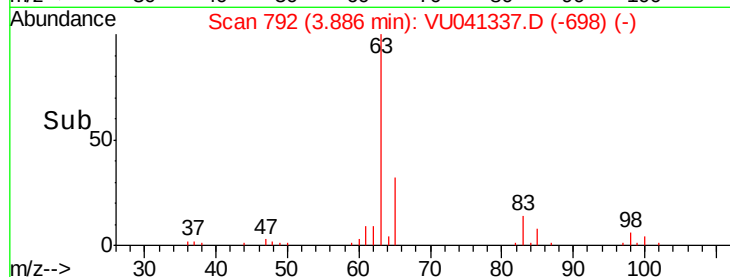
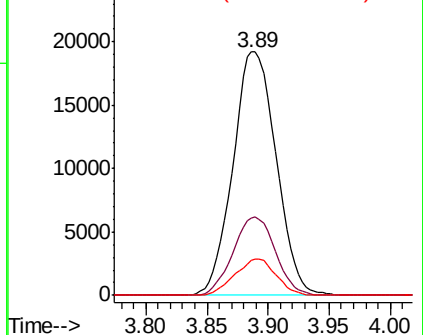
#19
 1,1-Dichloroethane
 Concen: 4.898 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VU041337.D
 Acq: 19 Nov 2020 01:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tgt Ion: 63 Resp: 47174
 Ion Ratio Lower Upper
 63 100
 65 31.9 21.3 39.6
 83 14.4 8.8 16.3

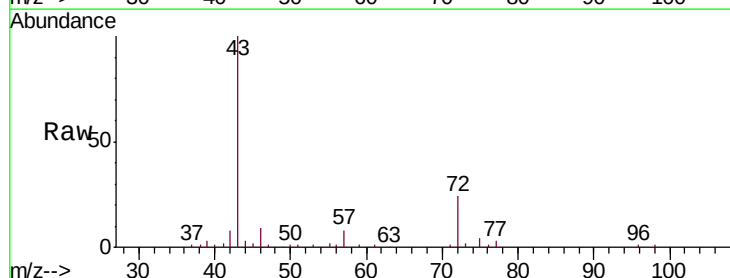


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

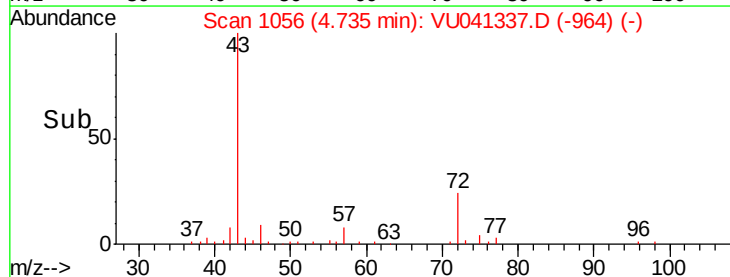
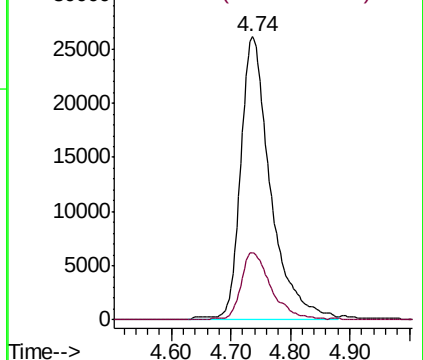


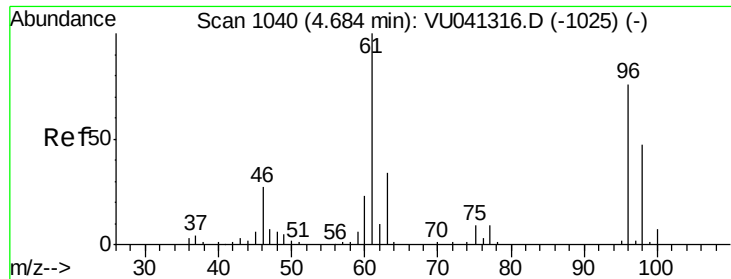
#21
 2-Butanone
 Concen: 44.310 ug/L
 RT: 4.74 min Scan# 1056
 Delta R.T. -0.00 min
 Lab File: VU041337.D
 Acq: 19 Nov 2020 01:45

Tgt Ion: 43 Resp: 91963
 Ion Ratio Lower Upper
 43 100
 72 24.0 11.8 35.4



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0

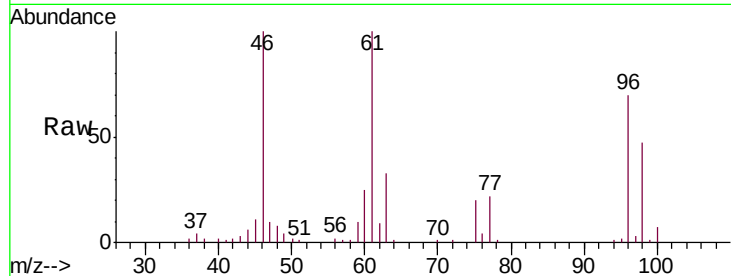




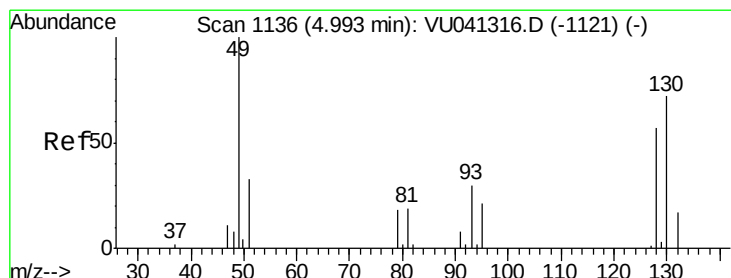
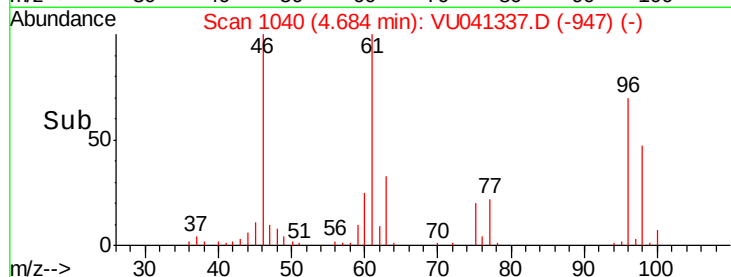
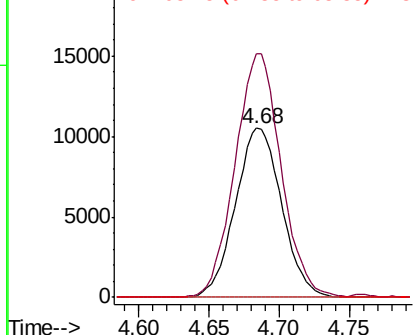
#22
 cis-1,2-Dichloroethene
 Concen: 4.968 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU041337.D
 Acq: 19 Nov 2020 01:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tgt Ion: 96 Resp: 24171
 Ion Ratio Lower Upper
 96 100
 61 143.7 97.2 180.4
 68 0.0 0.0 0.0

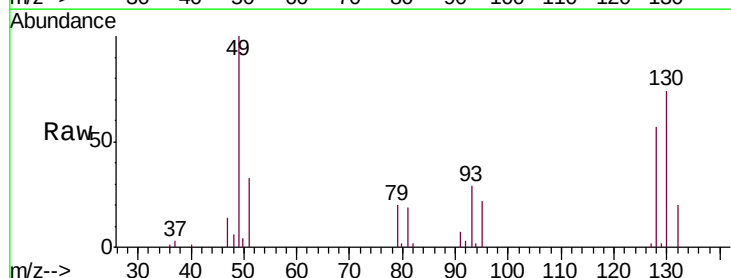


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

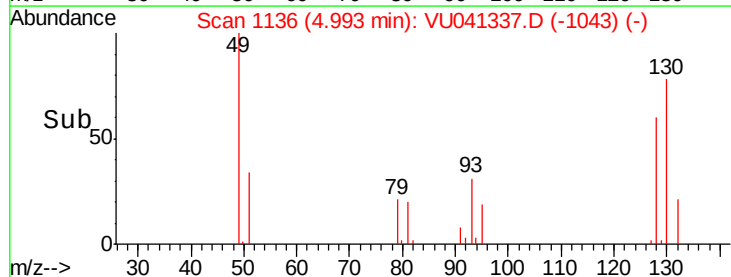
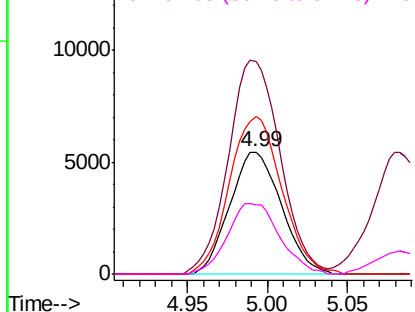


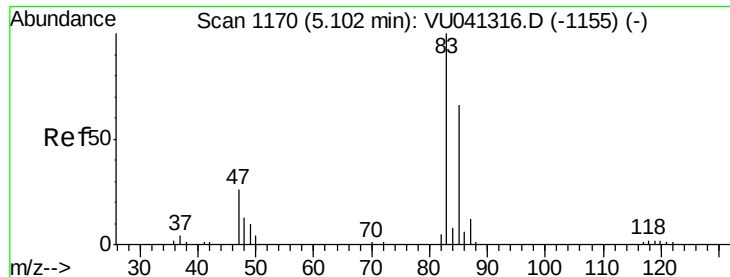
#23
 Bromochloromethane
 Concen: 4.976 ug/L
 RT: 4.99 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: VU041337.D
 Acq: 19 Nov 2020 01:45

Tgt Ion: 128 Resp: 12002
 Ion Ratio Lower Upper
 128 100
 49 175.1 135.0 250.8
 130 129.1 89.9 167.0
 51 57.1 51.9 77.9



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

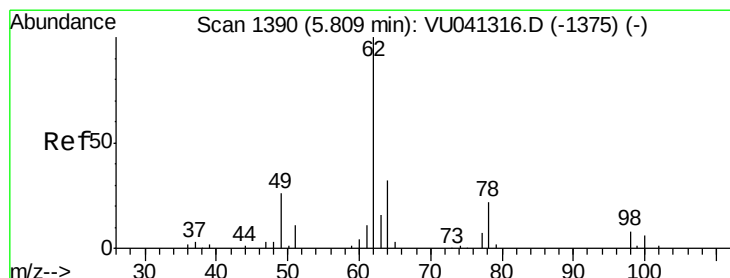
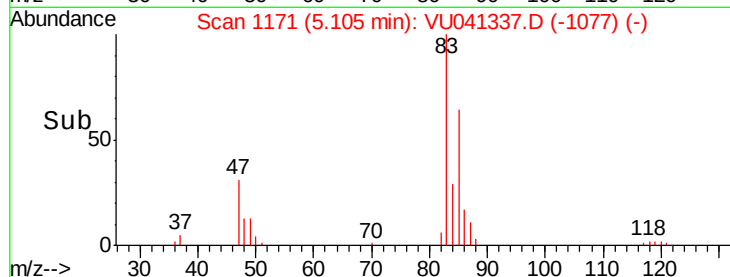
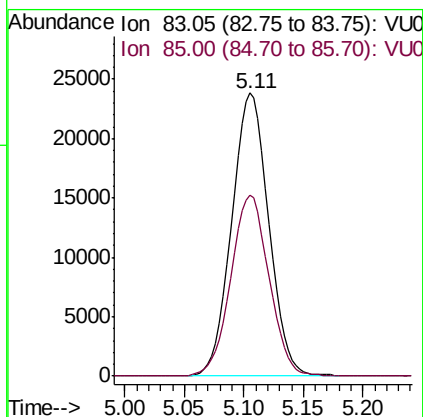
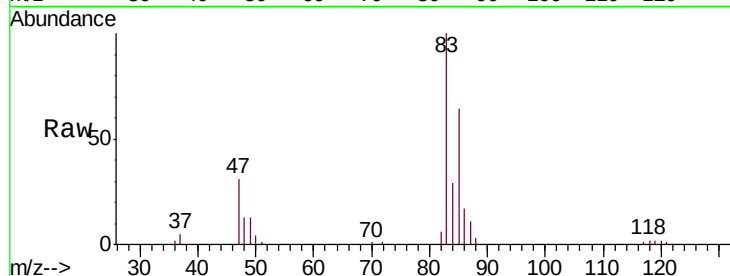




#25
Chloroform
Concen: 4.908 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041337.D
Acq: 19 Nov 2020 01:45

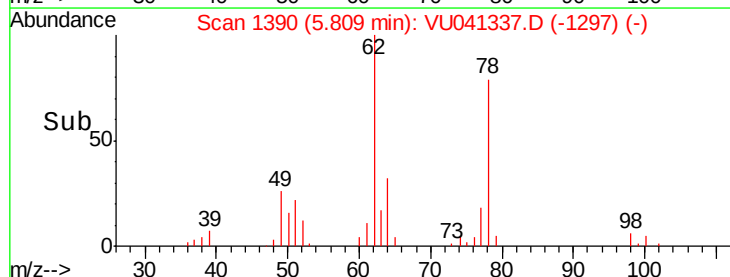
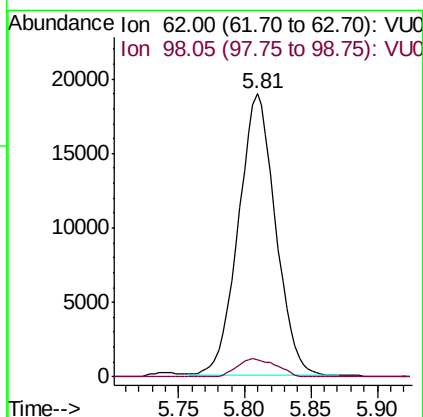
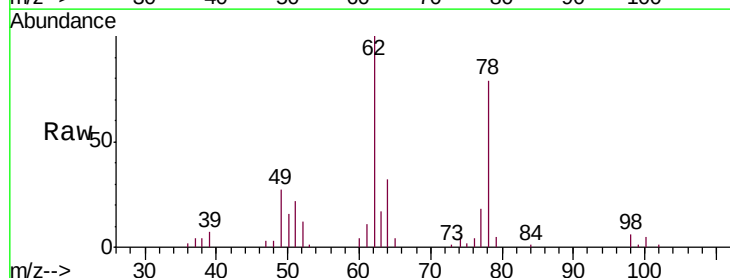
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

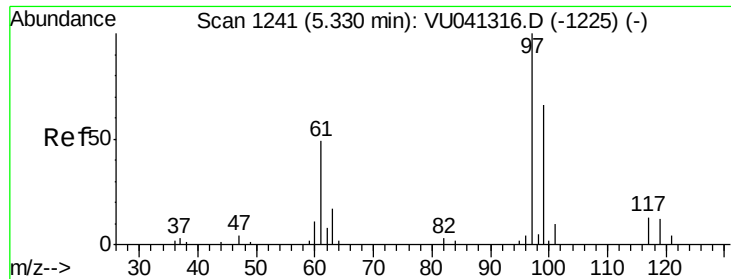
Tgt Ion: 83 Resp: 51263
Ion Ratio Lower Upper
83 100
85 63.9 46.1 85.7



#27
1,2-Dichloroethane
Concen: 4.904 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU041337.D
Acq: 19 Nov 2020 01:45

Tgt Ion: 62 Resp: 36823
Ion Ratio Lower Upper
62 100
98 5.9 7.6 11.4#

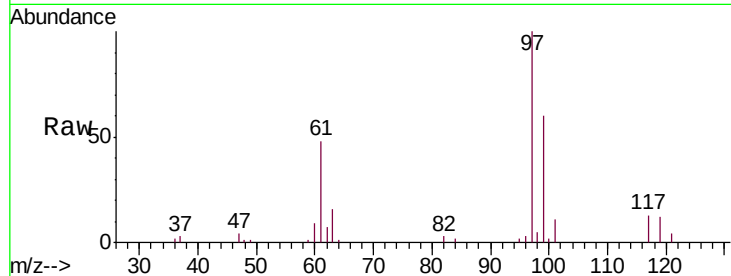




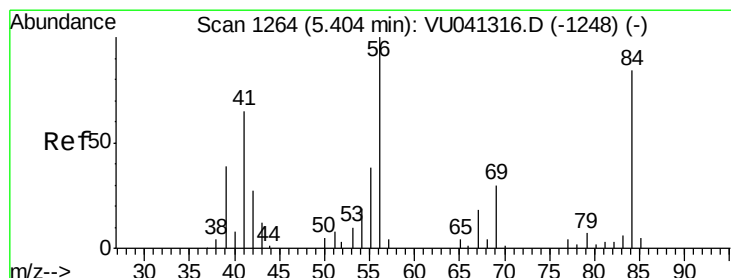
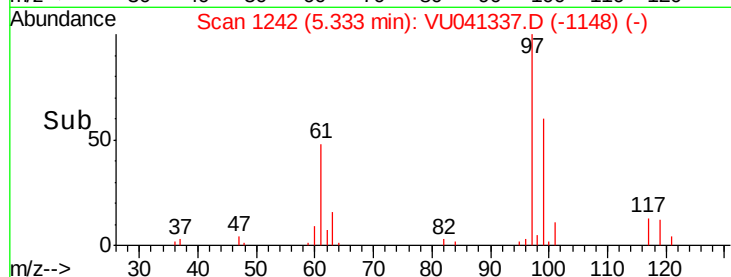
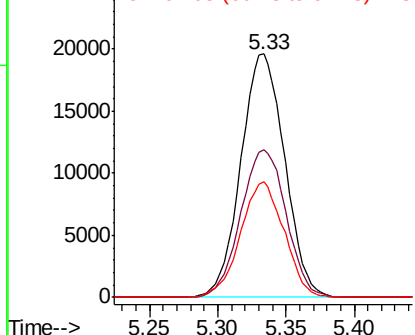
#29
 1,1,1-Trichloroethane
 Concen: 5.266 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU041337.D
 Acq: 19 Nov 2020 01:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tgt Ion: 97 Resp: 43705
 Ion Ratio Lower Upper
 97 100
 99 62.9 53.4 80.0
 61 47.2 41.6 62.4

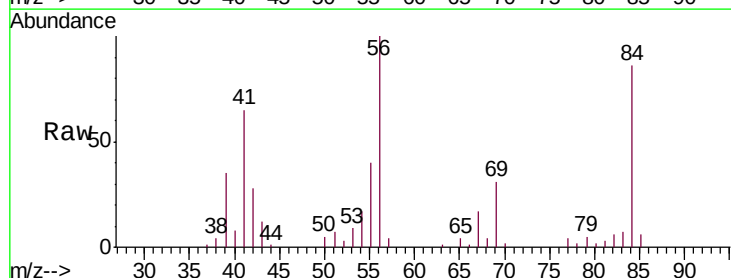


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

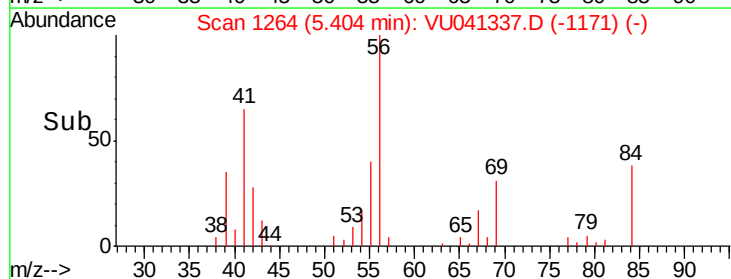
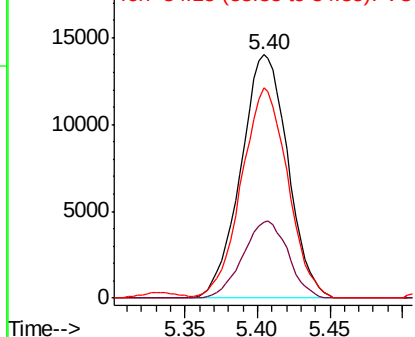


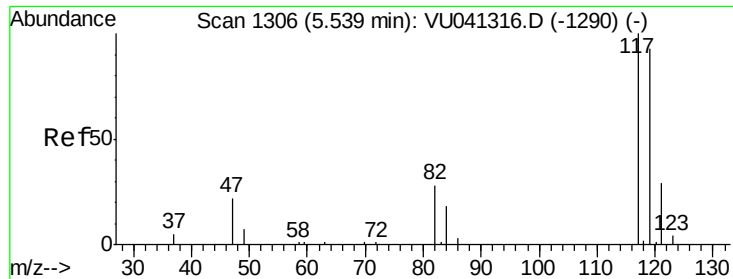
#30
 Cyclohexane
 Concen: 4.604 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU041337.D
 Acq: 19 Nov 2020 01:45

Tgt Ion: 56 Resp: 31573
 Ion Ratio Lower Upper
 56 100
 69 30.5 22.8 34.2
 84 85.1 63.6 95.4



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

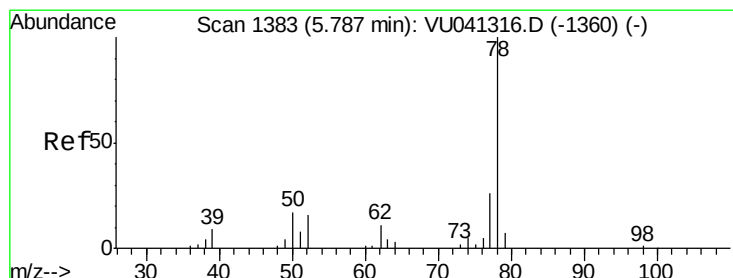
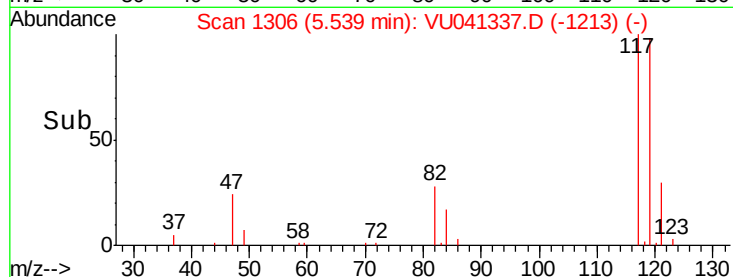
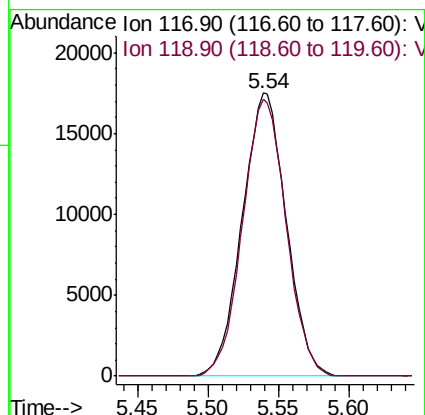
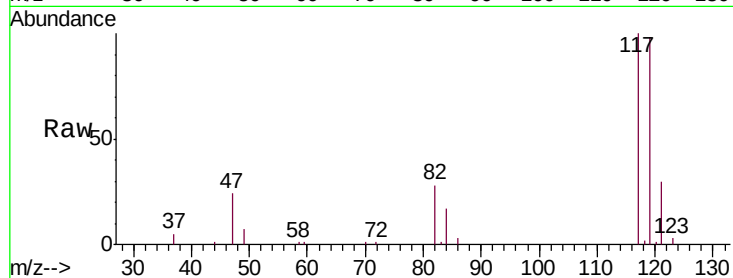




#31
Carbon tetrachloride
Concen: 5.311 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VU041337.D
Acq: 19 Nov 2020 01:45

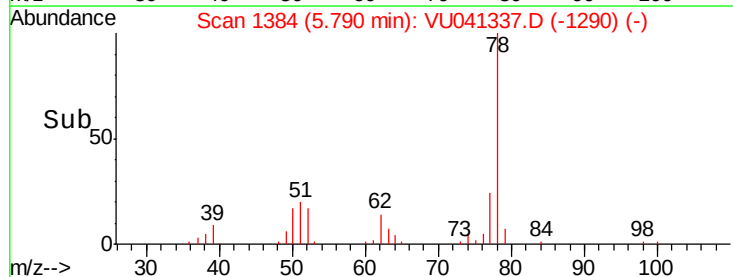
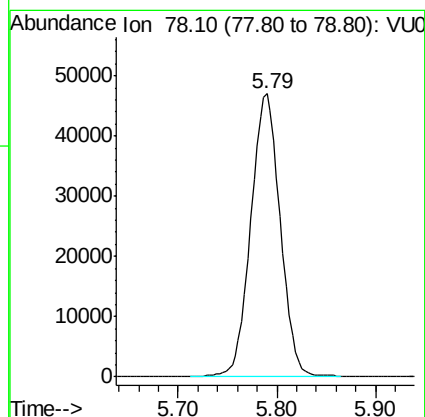
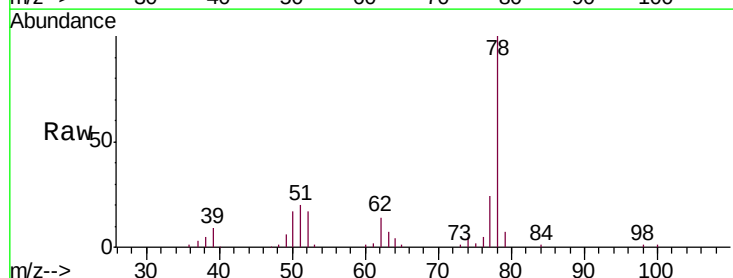
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

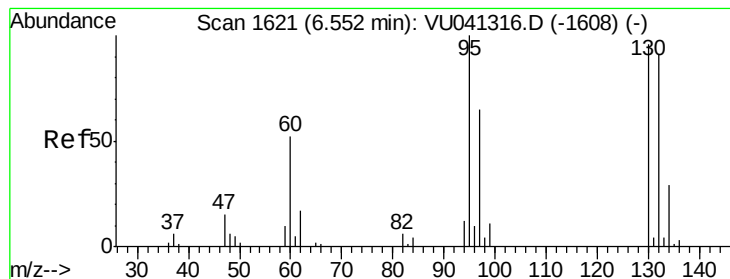
Tgt Ion:117 Resp: 38225
Ion Ratio Lower Upper
117 100
119 96.5 76.1 114.1



#33
Benzene
Concen: 5.256 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU041337.D
Acq: 19 Nov 2020 01:45

Tgt Ion: 78 Resp: 96721





#34

Trichloroethene

Concen: 5.023 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041337.D

Acq: 19 Nov 2020 01:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

Tgt Ion: 95 Resp: 24980

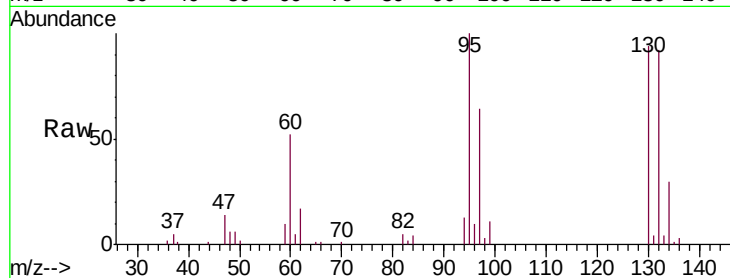
Ion Ratio Lower Upper

95 100

97 64.1 45.6 84.6

132 92.4 64.8 120.4

130 94.3 64.8 120.4

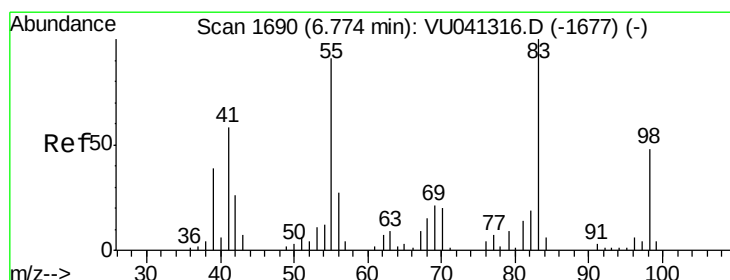
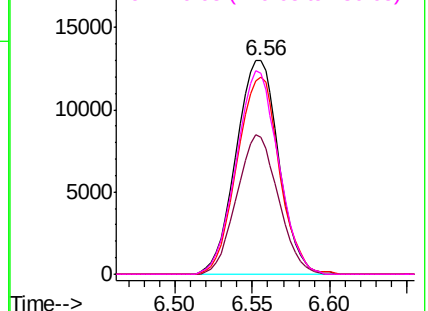
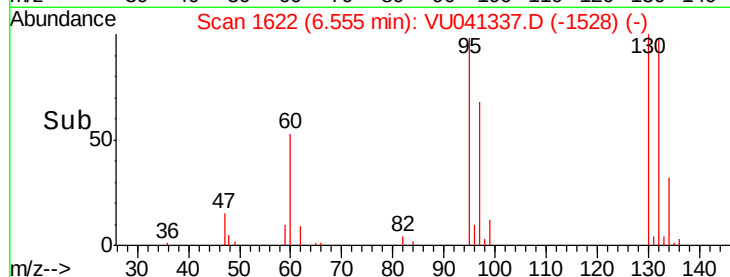


Abundance Ion 95.00 (94.70 to 95.70): VU041337.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU041337.D (-1528) (-)

Ion 131.95 (131.65 to 132.65): VU041337.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU041337.D (-1528) (-)



#35

Methylcyclohexane

Concen: 4.790 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU041337.D

Acq: 19 Nov 2020 01:45

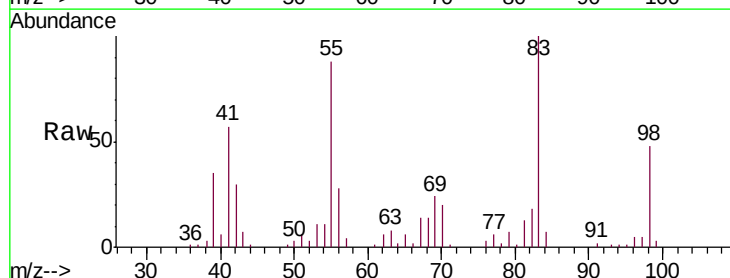
Tgt Ion: 83 Resp: 31652

Ion Ratio Lower Upper

83 100

55 87.3 72.0 108.0

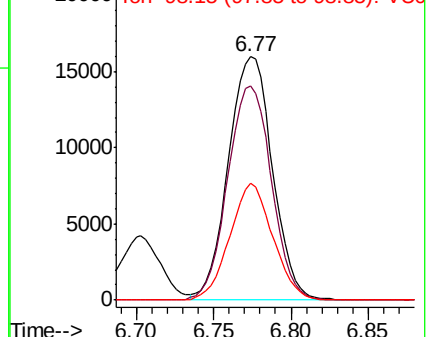
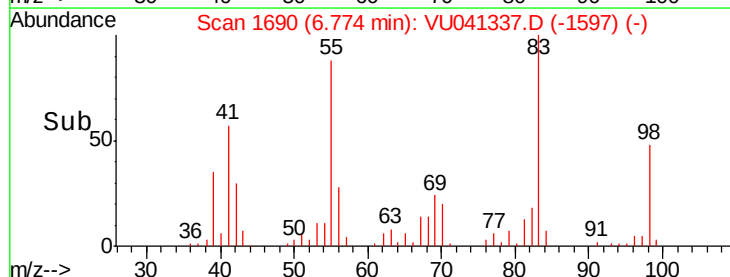
98 46.7 36.6 55.0

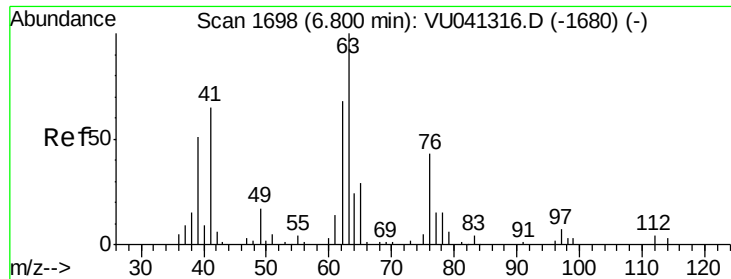


Abundance Ion 83.15 (82.85 to 83.85): VU041337.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU041337.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU041337.D (-1597) (-)

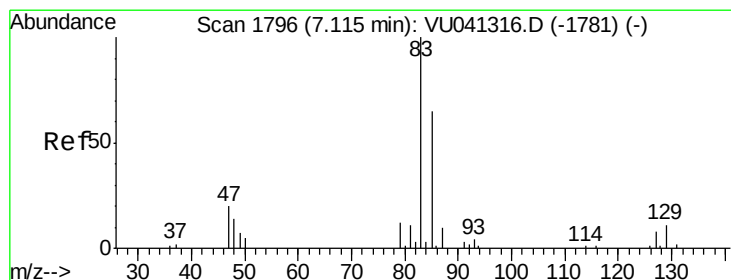
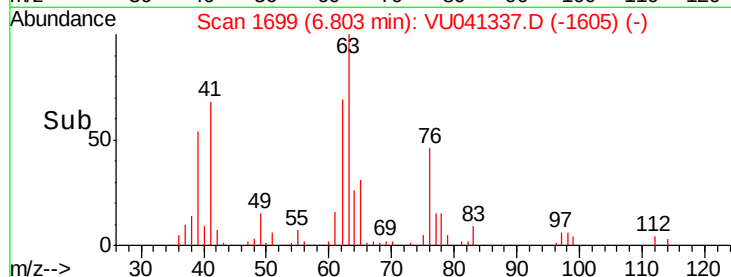
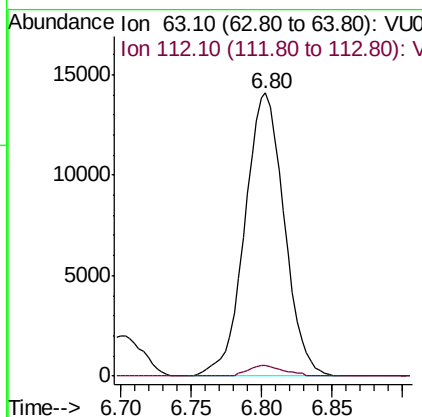
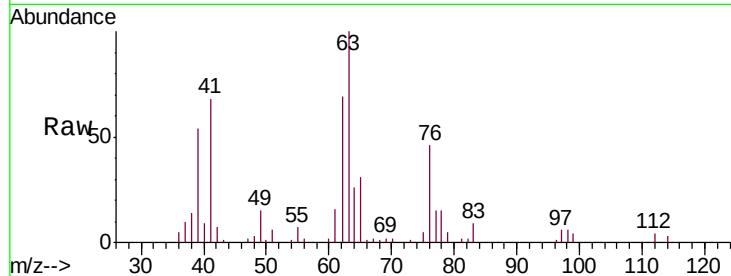




#37
 1,2-Dichloropropane
 Concen: 5.130 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041337.D
 Acq: 19 Nov 2020 01:45

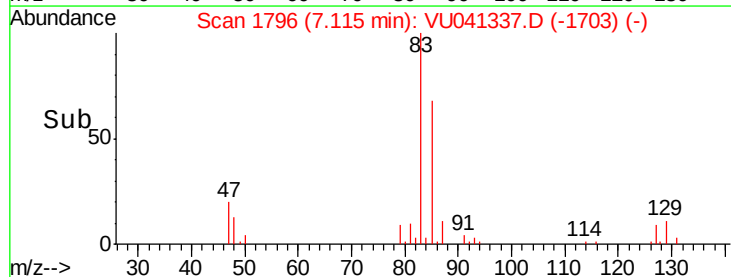
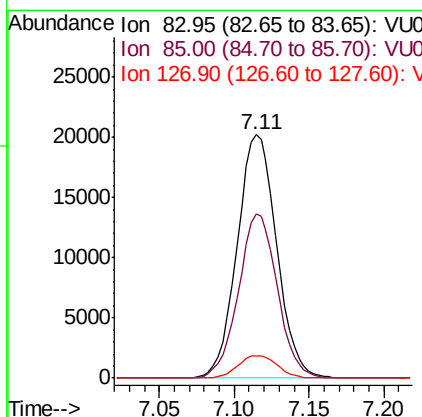
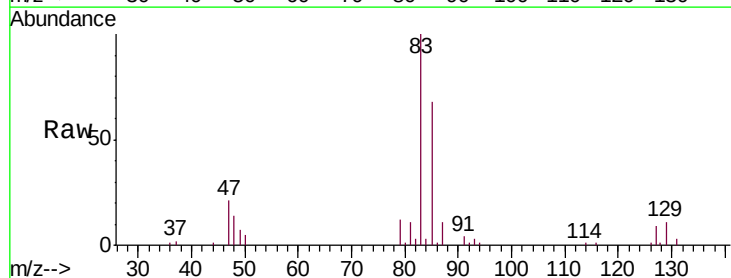
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

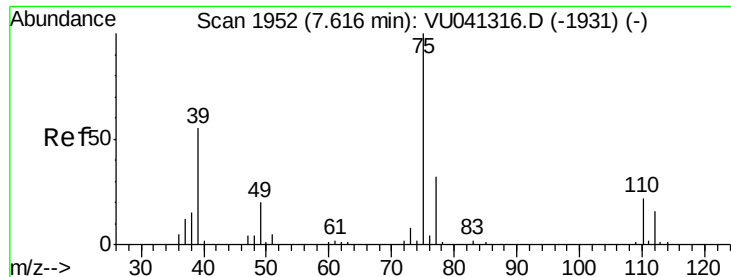
Tgt Ion: 63 Resp: 27595
 Ion Ratio Lower Upper
 63 100
 112 3.4 3.6 5.4#



#38
 Bromodichloromethane
 Concen: 5.276 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041337.D
 Acq: 19 Nov 2020 01:45

Tgt Ion: 83 Resp: 37093
 Ion Ratio Lower Upper
 83 100
 85 67.6 43.3 80.3
 127 9.2 5.9 8.9#

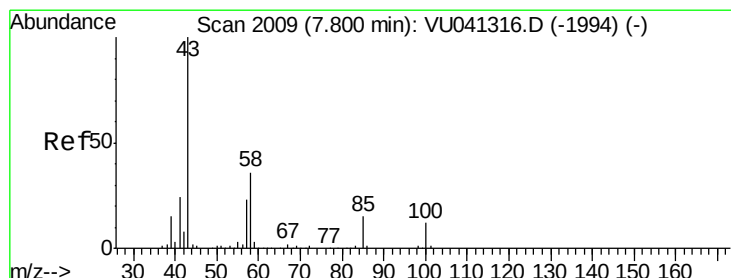
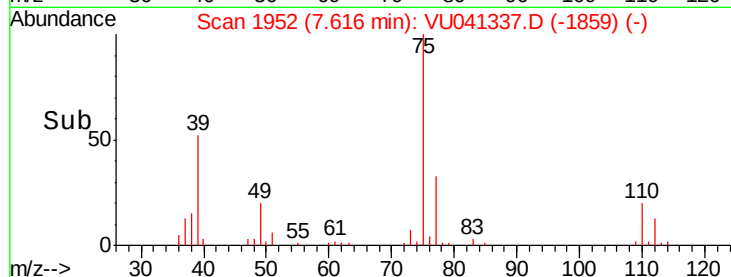
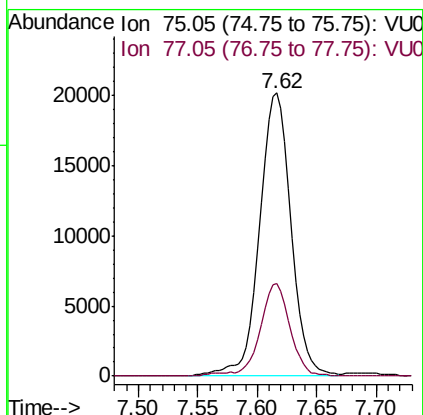
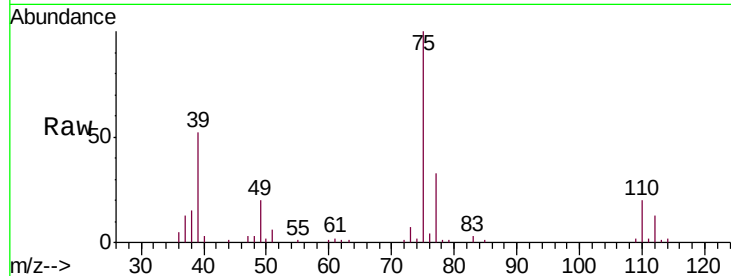




#39
 cis-1,3-Dichloropropene
 Concen: 4.940 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU041337.D
 Acq: 19 Nov 2020 01:45

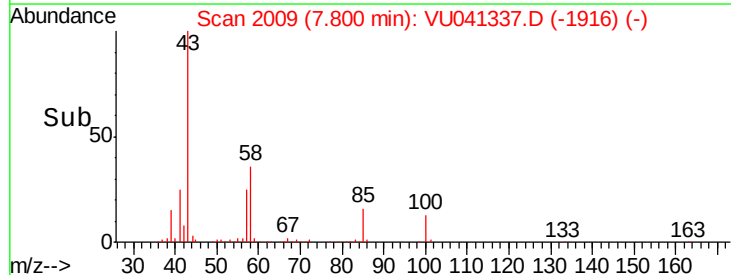
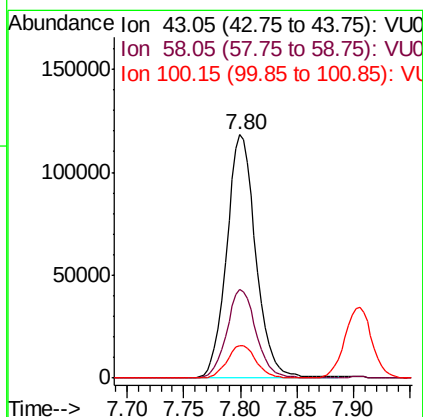
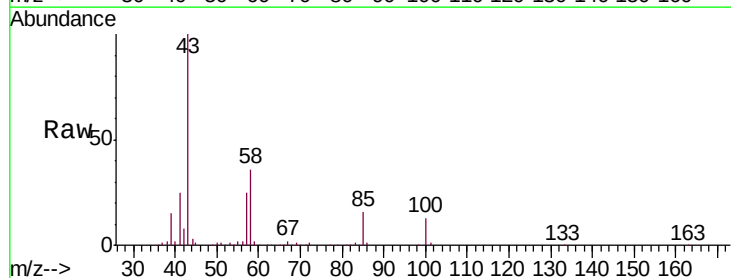
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

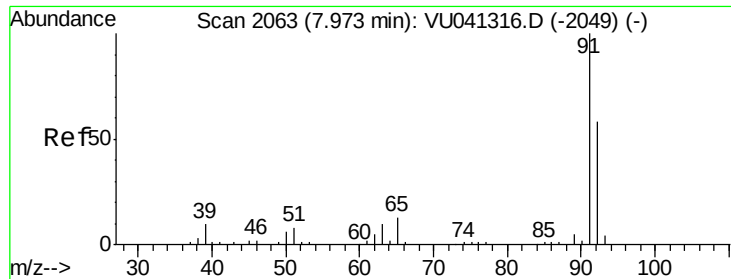
Tgt Ion: 75 Resp: 37062
 Ion Ratio Lower Upper
 75 100
 77 32.6 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 47.722 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU041337.D
 Acq: 19 Nov 2020 01:45

Tgt Ion: 43 Resp: 212429
 Ion Ratio Lower Upper
 43 100
 58 36.7 29.8 44.6
 100 13.4 10.5 15.7





#42

Toluene

Concen: 5.156 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041337.D

Acq: 19 Nov 2020 01:45

Instrument :

MSVOA_U

ClientSampleId :

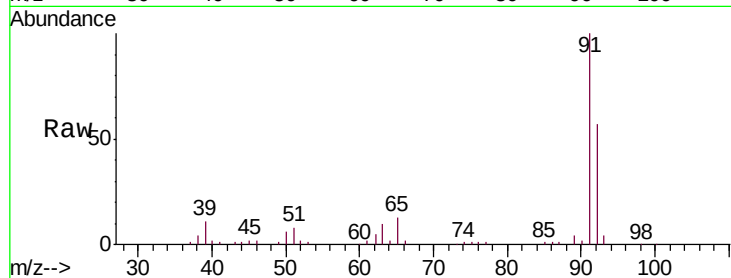
VSTD00528

Tgt Ion: 91 Resp: 101394

Ion Ratio Lower Upper

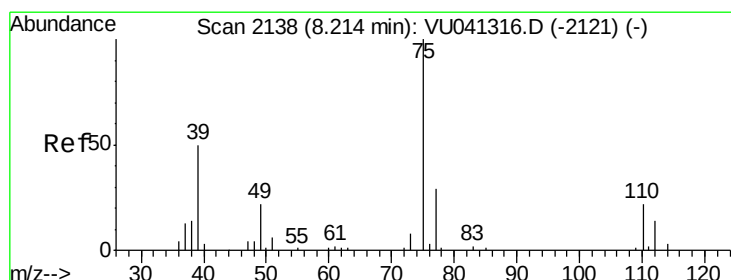
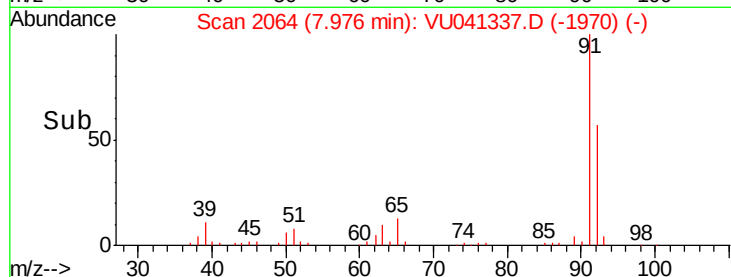
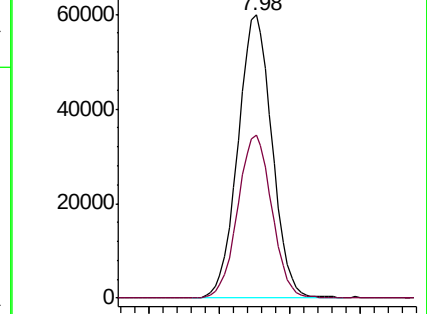
91 100

92 57.5 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU041337.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU041337.D (-2049) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.978 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU041337.D

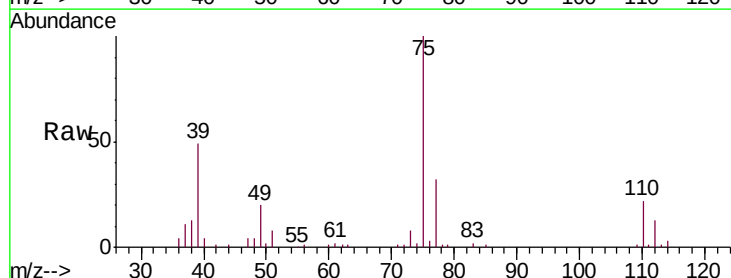
Acq: 19 Nov 2020 01:45

Tgt Ion: 75 Resp: 35331

Ion Ratio Lower Upper

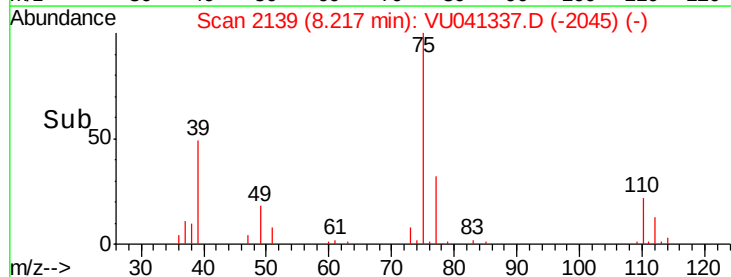
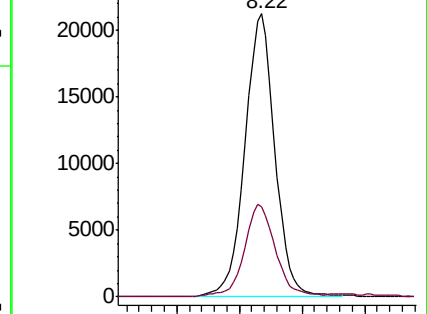
75 100

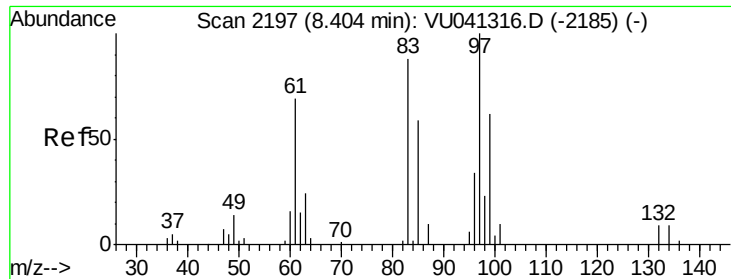
77 31.9 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU041337.D (-2045) (-)

Ion 77.05 (76.75 to 77.75): VU041337.D (-2045) (-)

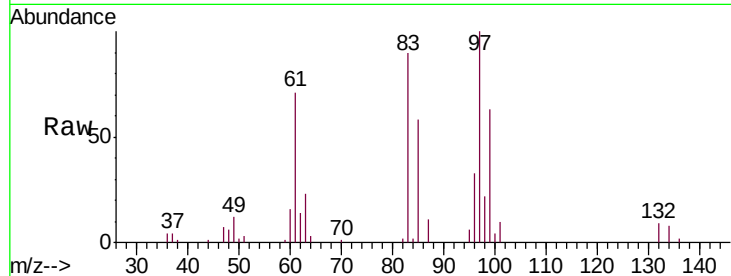




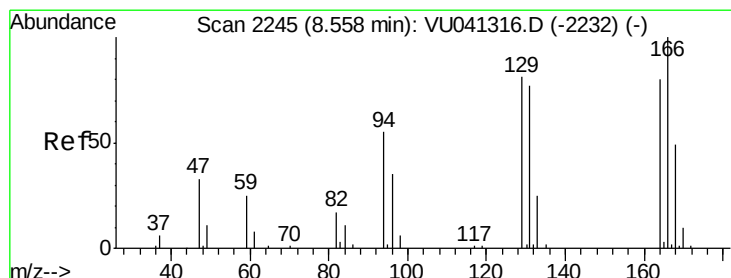
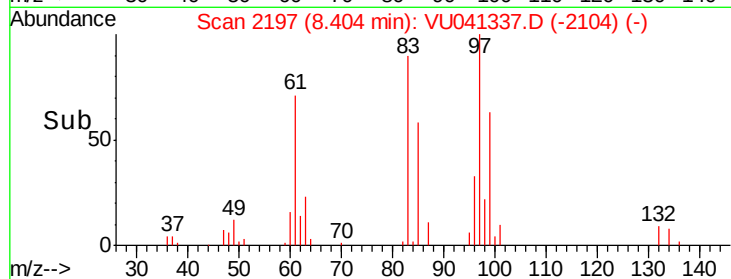
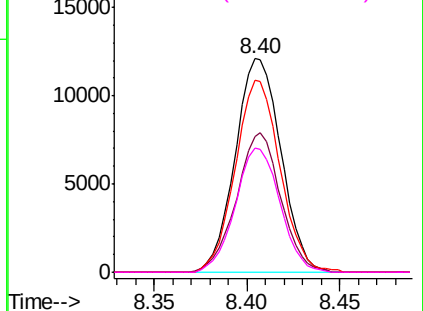
#45
 1,1,2-Trichloroethane
 Concen: 4.997 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU041337.D
 Acq: 19 Nov 2020 01:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tgt Ion:	97	Resp:	20788
Ion	Ratio	Lower	Upper
97	100		
99	63.3	45.8	85.2
83	89.6	67.9	126.1
85	58.0	42.8	79.6

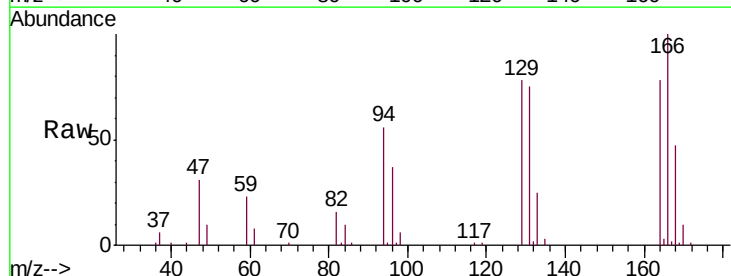


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

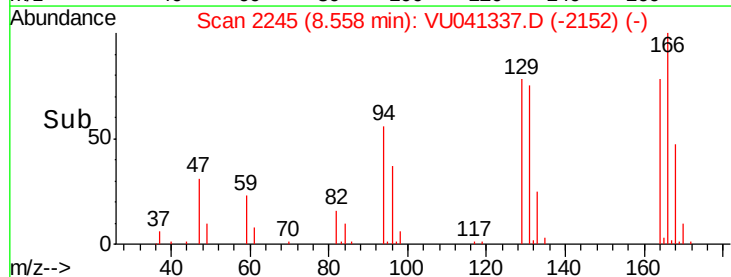
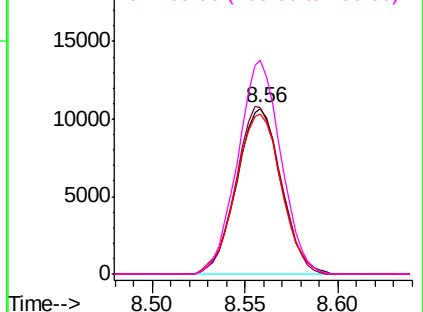


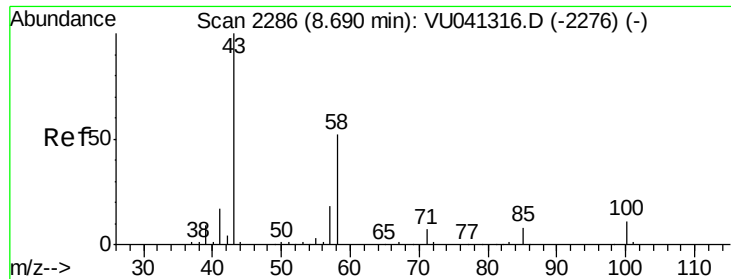
#47
 Tetrachloroethene
 Concen: 4.839 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU041337.D
 Acq: 19 Nov 2020 01:45

Tgt Ion:	164	Resp:	17783
Ion	Ratio	Lower	Upper
164	100		
129	100.4	70.3	130.7
131	96.9	70.8	131.4
166	129.0	92.0	170.8



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

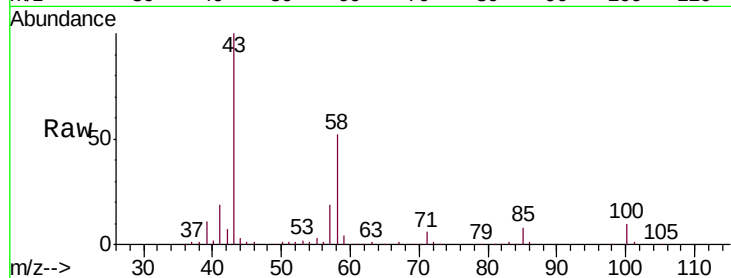




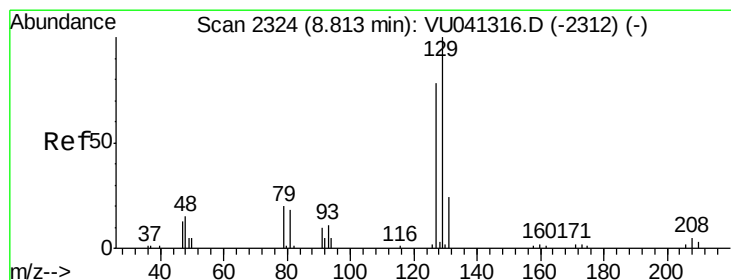
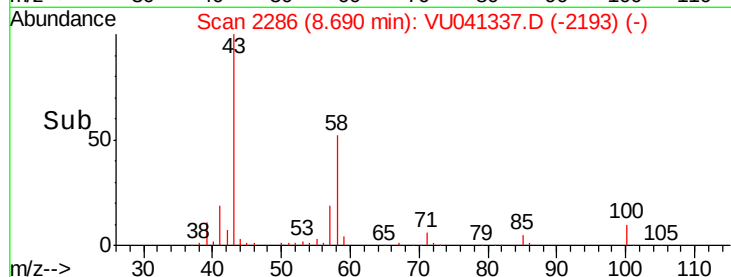
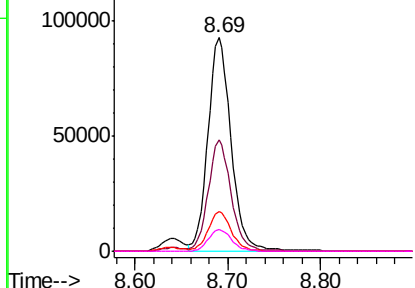
#48
2-Hexanone
Concen: 48.189 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU041337.D
Acq: 19 Nov 2020 01:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Tgt Ion: 43 Resp: 160125
Ion Ratio Lower Upper
43 100
58 51.3 41.4 62.2
57 18.2 14.6 21.8
100 10.4 8.3 12.5

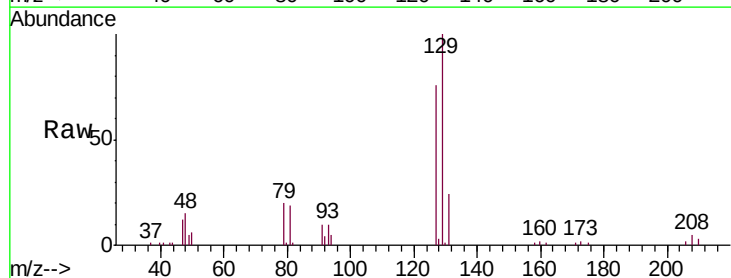


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

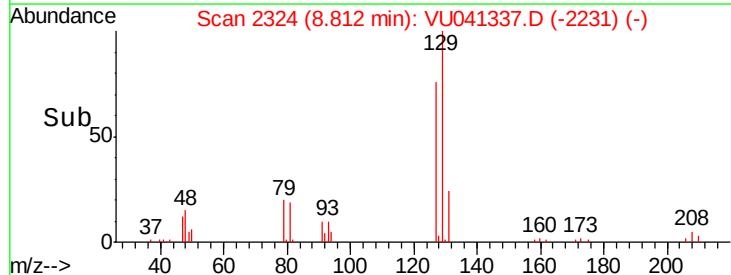
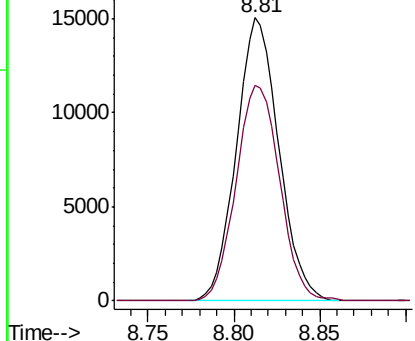


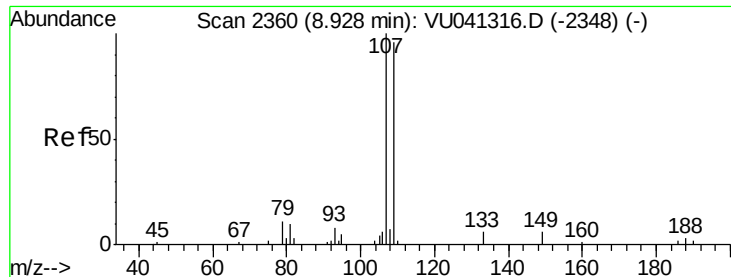
#49
Dibromochloromethane
Concen: 5.222 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041337.D
Acq: 19 Nov 2020 01:45

Tgt Ion: 129 Resp: 25743
Ion Ratio Lower Upper
129 100
127 76.2 53.4 99.2



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

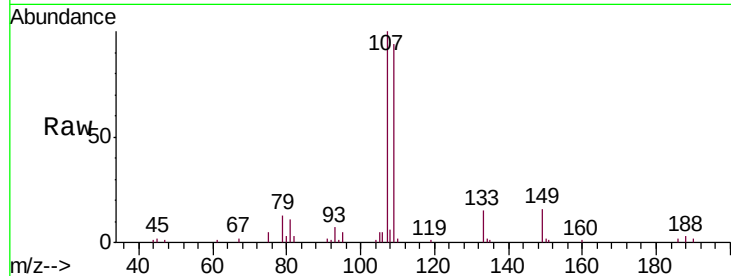




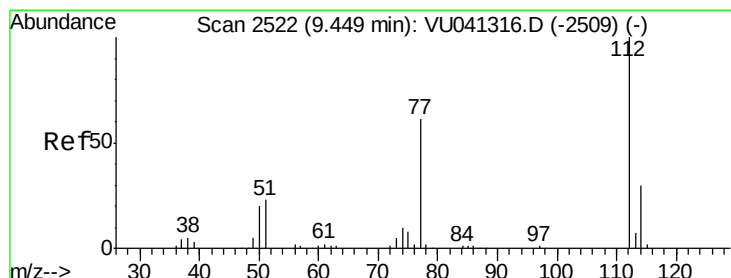
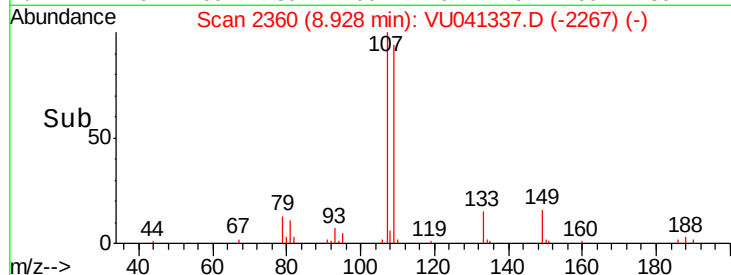
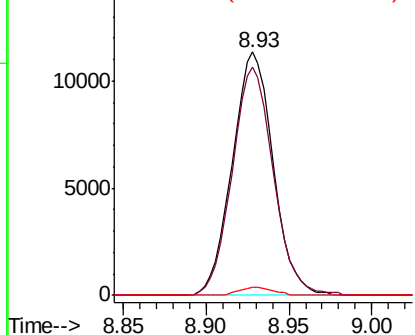
#50
1,2-Dibromoethane
Concen: 5.027 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU041337.D
Acq: 19 Nov 2020 01:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Tgt Ion:107 Resp: 19399
Ion Ratio Lower Upper
107 100
109 93.8 65.6 121.8
188 3.2 2.9 4.3

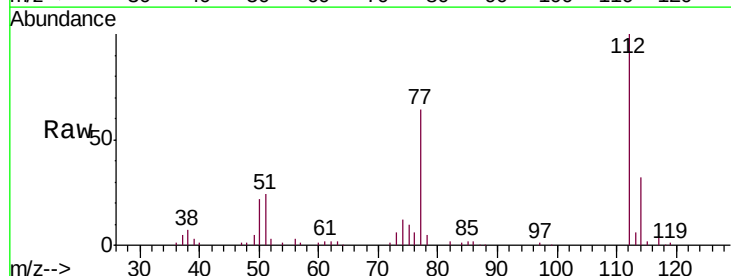


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

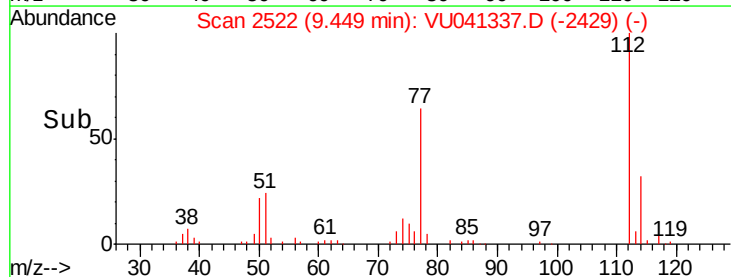
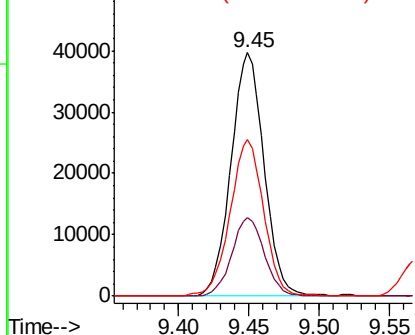


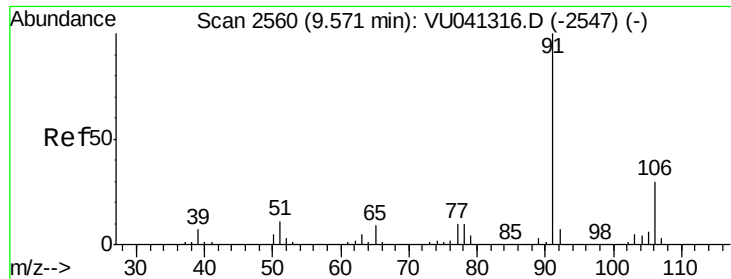
#51
Chlorobenzene
Concen: 5.009 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU041337.D
Acq: 19 Nov 2020 01:45

Tgt Ion:112 Resp: 65255
Ion Ratio Lower Upper
112 100
114 32.2 22.4 41.6
77 64.3 51.2 76.8



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: 5.058 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041337.D

Acq: 19 Nov 2020 01:45

Instrument :

MSVOA_U

ClientSampleId :

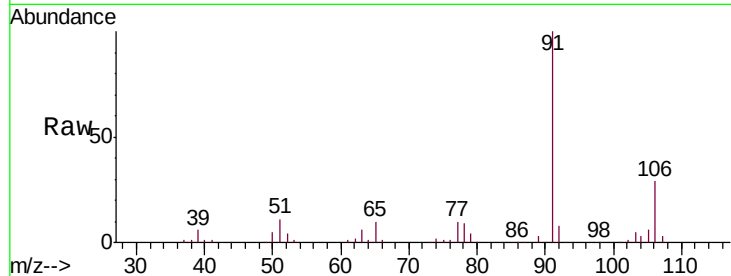
VSTD00528

Tgt Ion: 91 Resp: 106225

Ion Ratio Lower Upper

91 100

106 29.4 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041337.D (-2506) (-)

Ion 106.15 (105.85 to 106.85): VU041337.D (-2506) (-)

9.57

60000

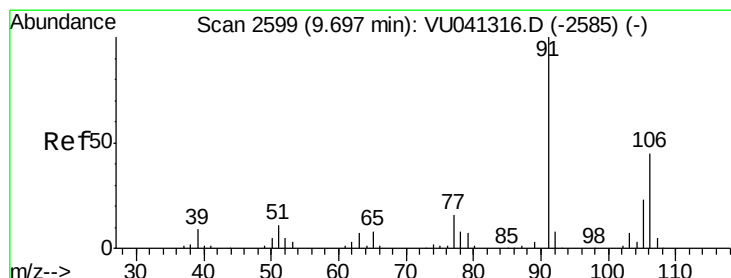
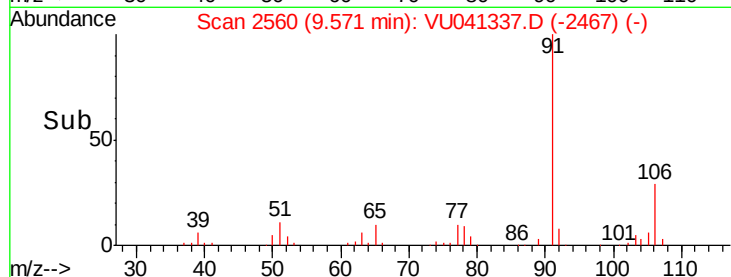
40000

20000

0

9.50 9.55 9.60 9.65

Time-->



#53

m,p-Xylene

Concen: 5.279 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU041337.D

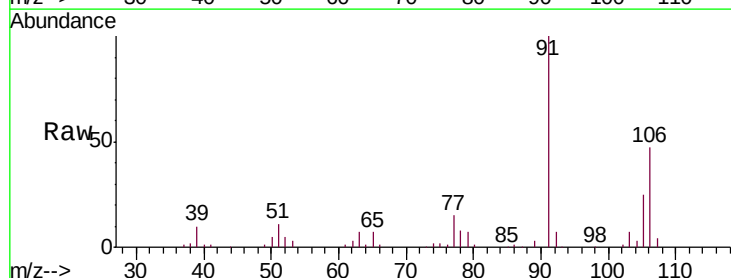
Acq: 19 Nov 2020 01:45

Tgt Ion: 106 Resp: 40071

Ion Ratio Lower Upper

106 100

91 211.0 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041337.D (-2506) (-)

Ion 91.15 (90.85 to 91.85): VU041337.D (-2506) (-)

9.70

60000

50000

40000

30000

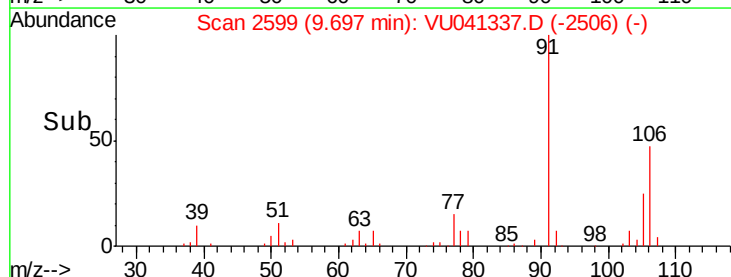
20000

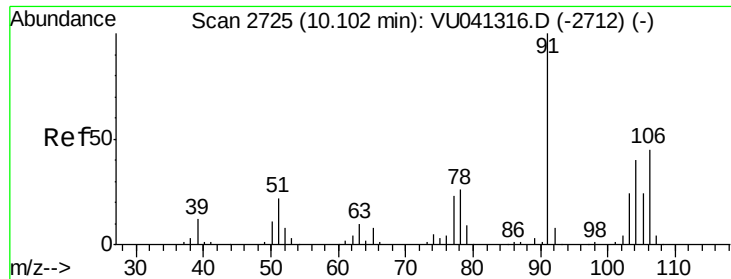
10000

0

9.65 9.70 9.75

Time-->

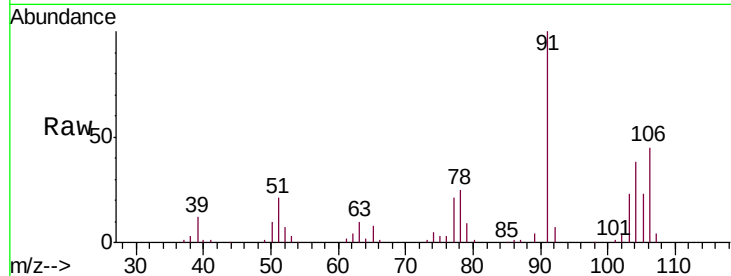




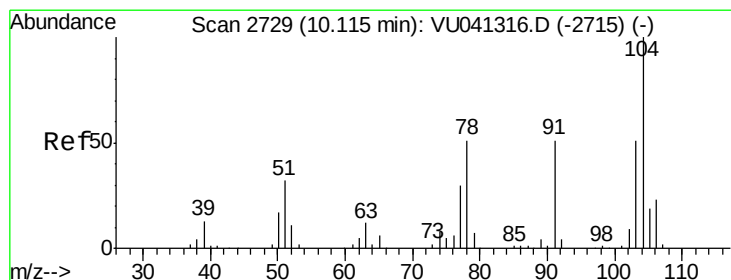
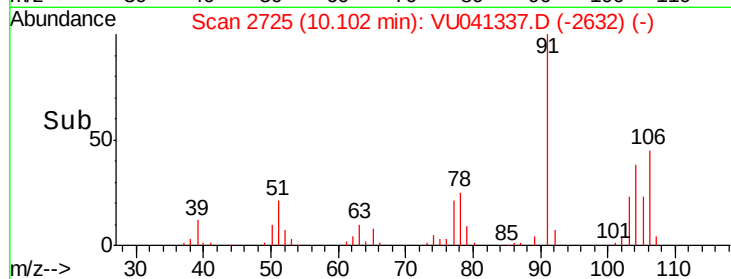
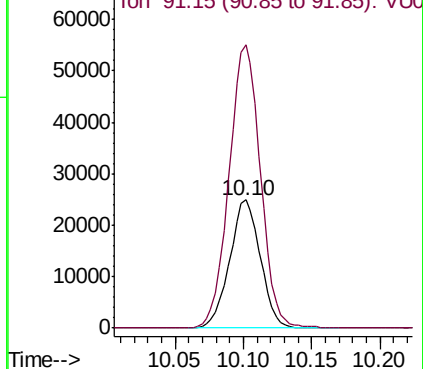
#54
o-Xylene
Concen: 5.330 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU041337.D
Acq: 19 Nov 2020 01:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Tgt Ion:106 Resp: 38971
Ion Ratio Lower Upper
106 100
91 221.3 154.3 286.5

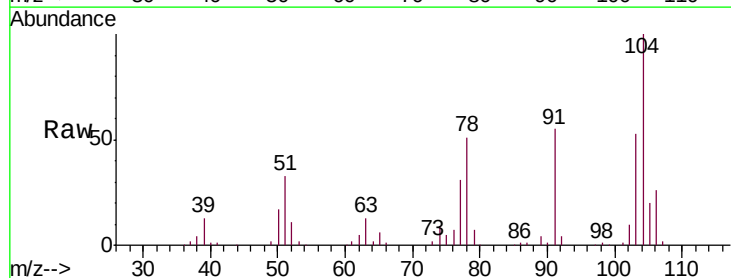


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

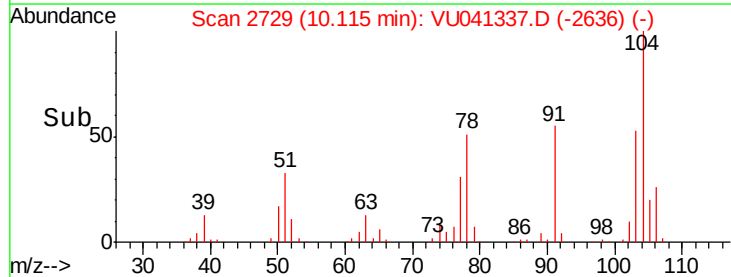
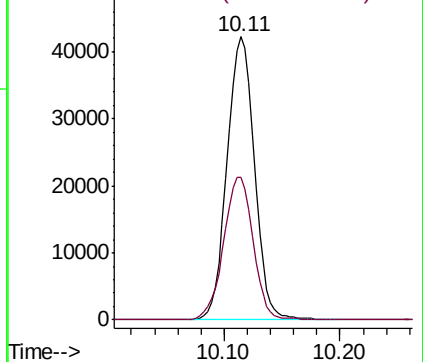


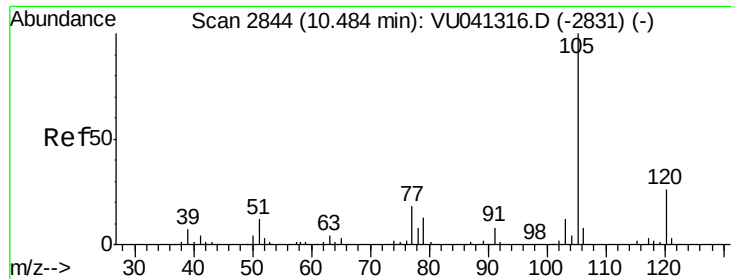
#55
Styrene
Concen: 5.312 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU041337.D
Acq: 19 Nov 2020 01:45

Tgt Ion:104 Resp: 68774
Ion Ratio Lower Upper
104 100
78 50.5 35.5 65.9



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





#56

Isopropylbenzene

Concen: 5.463 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU041337.D

Acq: 19 Nov 2020 01:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

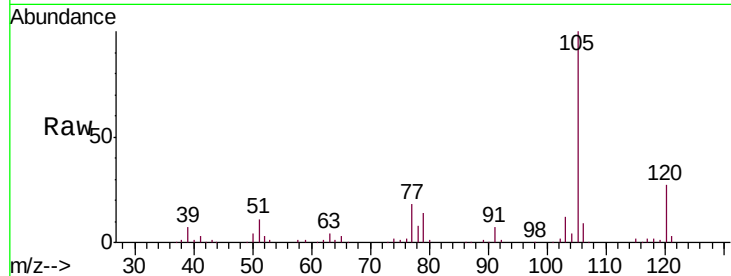
Tgt Ion:105 Resp: 105788

Ion Ratio Lower Upper

105 100

120 25.8 20.7 31.1

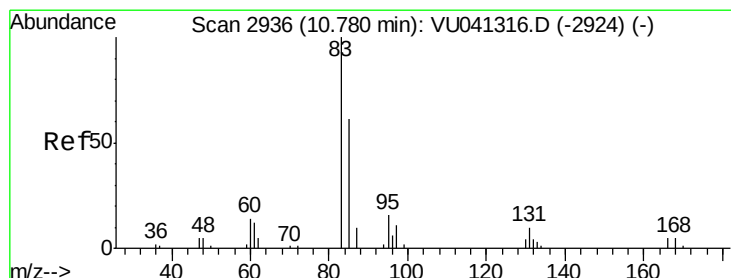
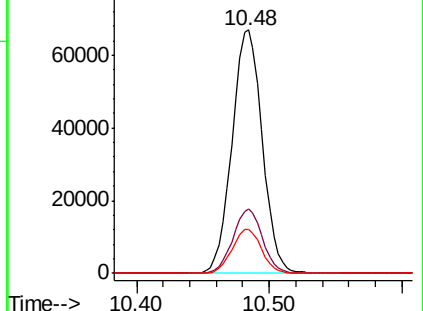
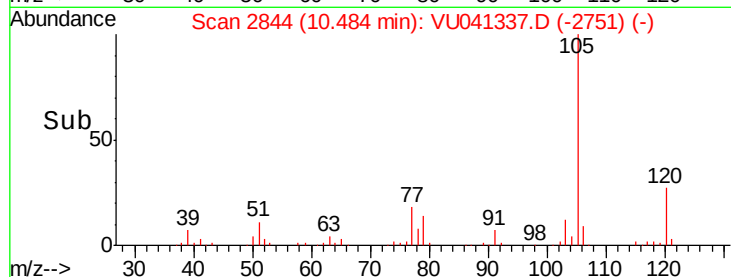
77 17.5 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.860 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041337.D

Acq: 19 Nov 2020 01:45

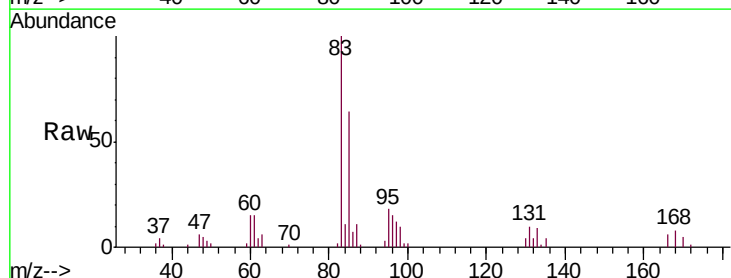
Tgt Ion: 83 Resp: 26426

Ion Ratio Lower Upper

83 100

85 64.5 44.4 82.4

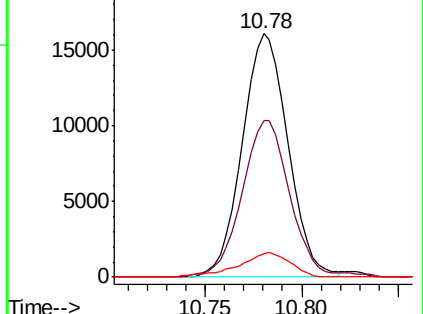
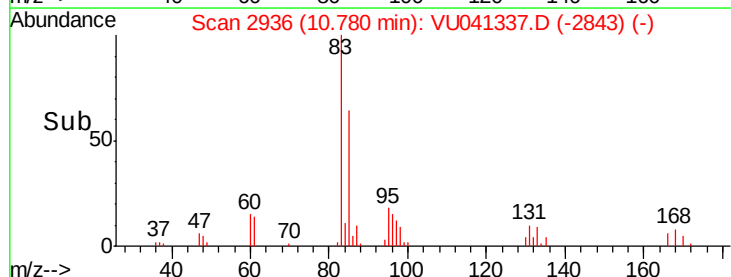
131 9.6 7.7 11.5

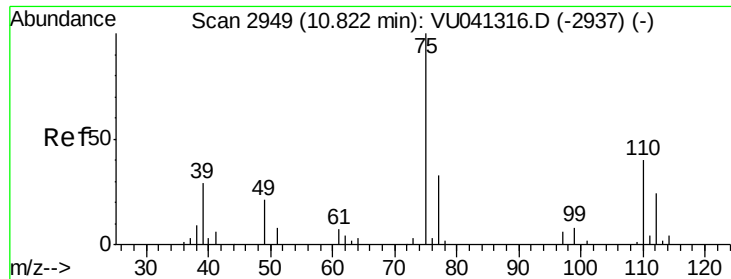


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.915 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU041337.D

Acq: 19 Nov 2020 01:45

Instrument :

MSVOA_U

ClientSampleId :

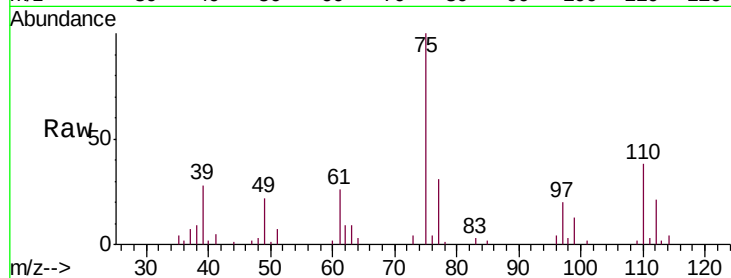
VSTD00528

Tgt Ion: 75 Resp: 20851

Ion Ratio Lower Upper

75 100

77 32.4 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU041337.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041337.D (-2937) (-)

10.82

15000

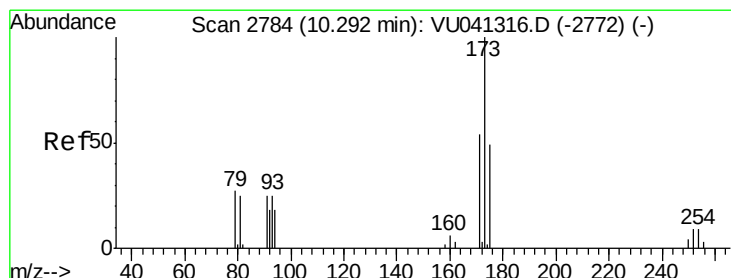
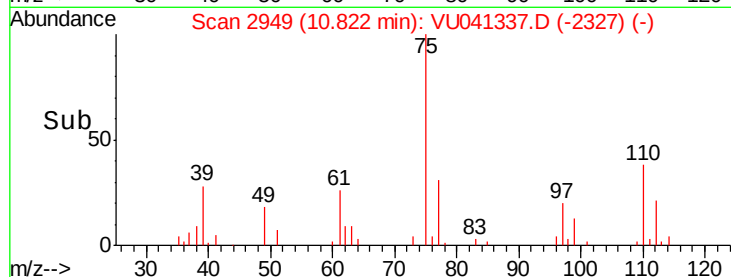
10000

5000

0

Time-->

10.75 10.80 10.85



#61

Bromoform

Concen: 4.777 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU041337.D

Acq: 19 Nov 2020 01:45

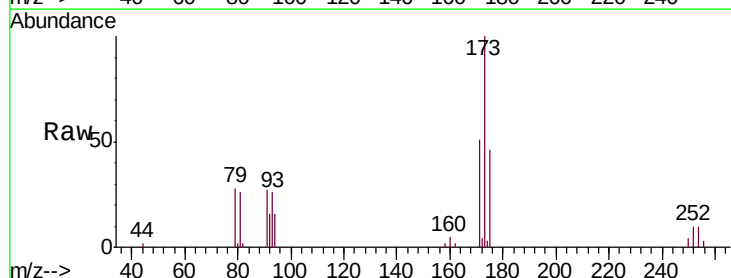
Tgt Ion: 173 Resp: 14794

Ion Ratio Lower Upper

173 100

175 49.3 37.6 56.4

254 8.6 6.6 9.8



Abundance Ion 172.90 (172.60 to 173.60): VU041337.D (-2691) (-)

Ion 174.90 (174.60 to 175.60): VU041337.D (-2691) (-)

Ion 253.75 (253.45 to 254.45): VU041337.D (-2691) (-)

10.29

12000

10000

8000

6000

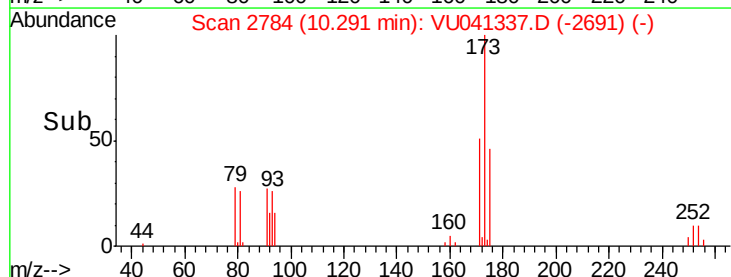
4000

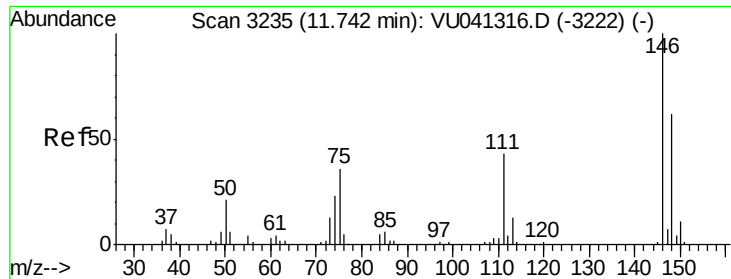
2000

0

Time-->

10.25 10.30 10.35

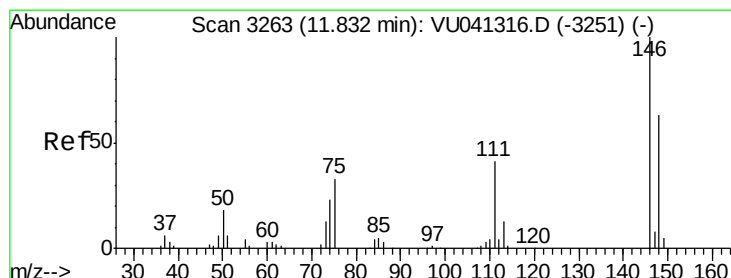
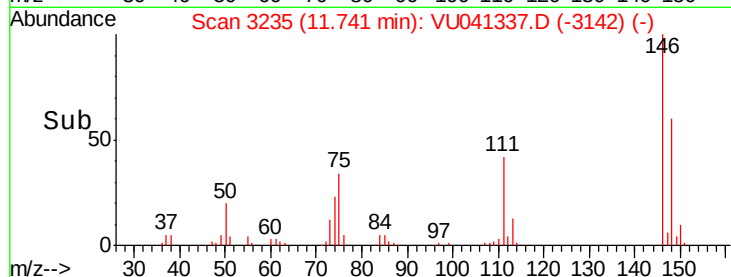
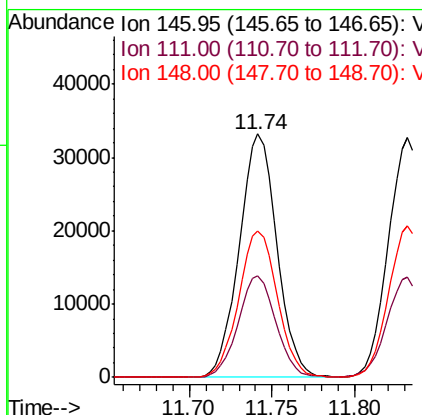
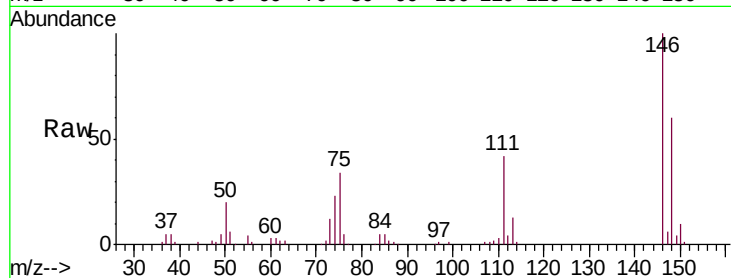




#62
 1,3-Dichlorobenzene
 Concen: 5.141 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU041337.D
 Acq: 19 Nov 2020 01:45

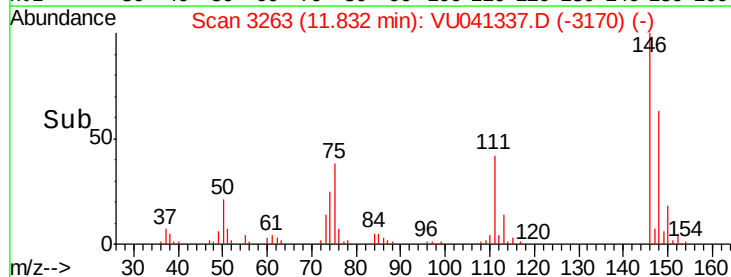
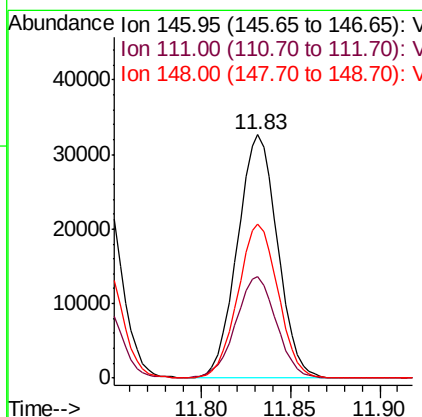
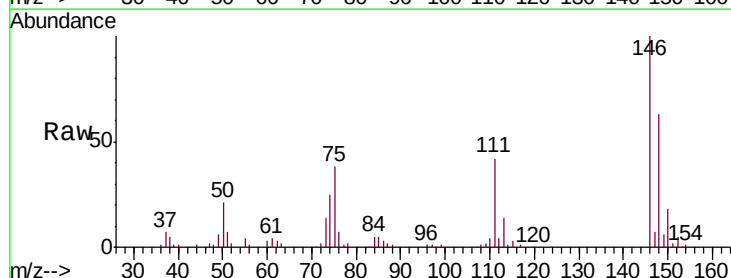
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

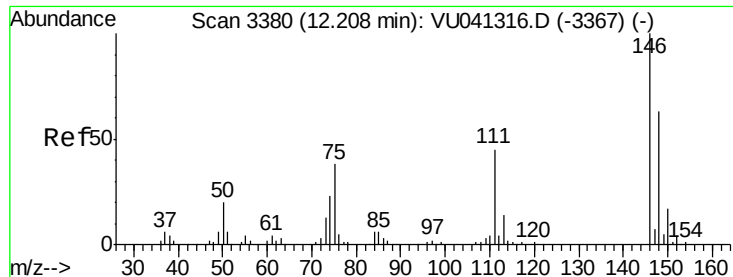
Tgt Ion:146 Resp: 52318
 Ion Ratio Lower Upper
 146 100
 111 41.8 30.9 57.3
 148 60.4 45.8 85.2



#63
 1,4-Dichlorobenzene
 Concen: 4.899 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041337.D
 Acq: 19 Nov 2020 01:45

Tgt Ion:146 Resp: 51365
 Ion Ratio Lower Upper
 146 100
 111 41.6 28.3 52.7
 148 63.5 44.2 82.2

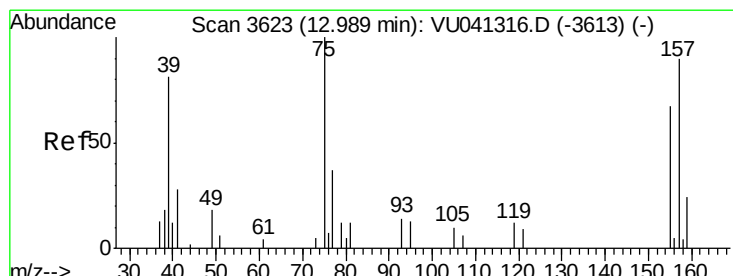
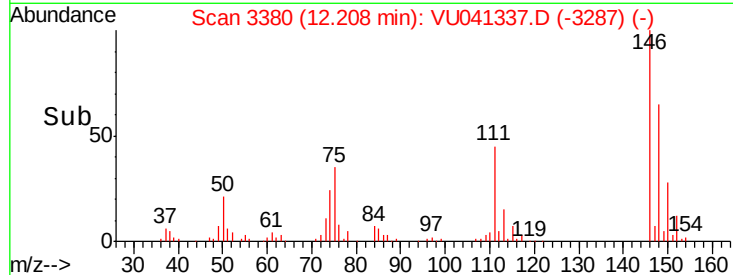
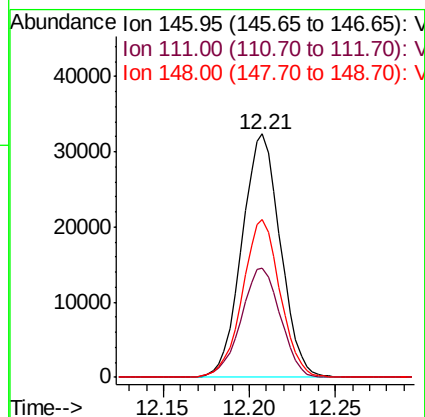
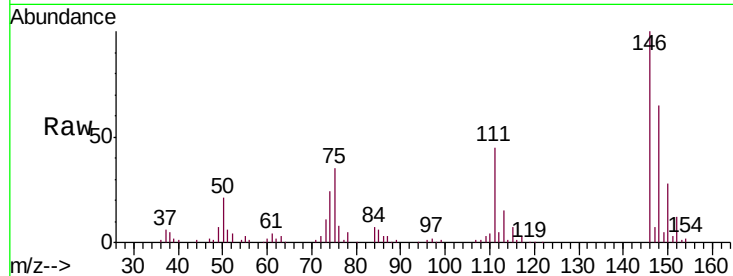




#65
 1,2-Dichlorobenzene
 Concen: 4.970 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU041337.D
 Acq: 19 Nov 2020 01:45

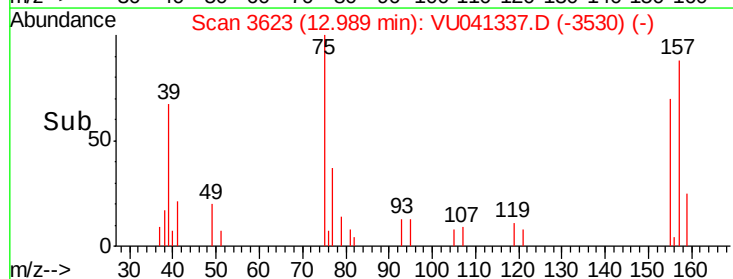
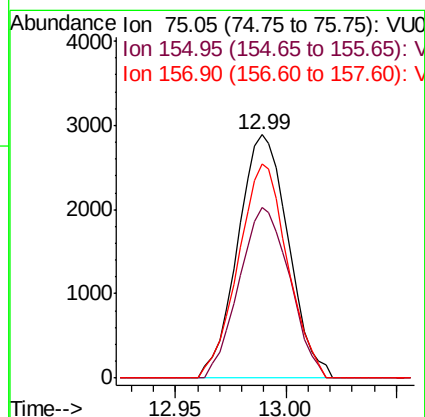
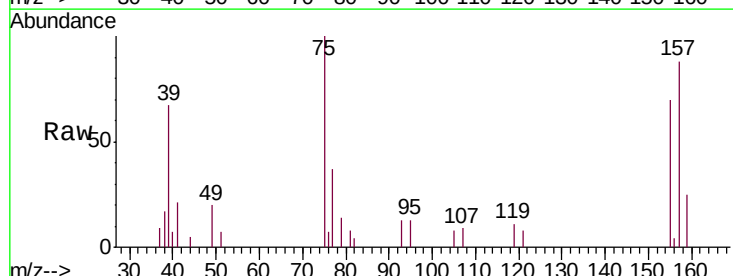
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

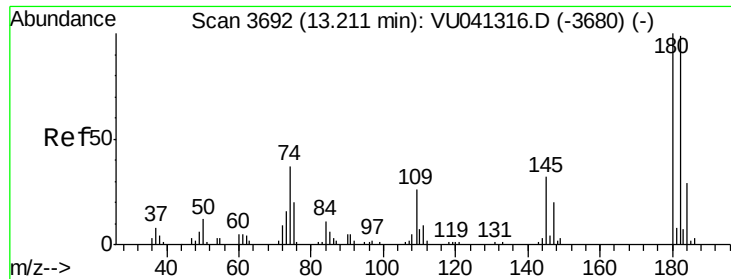
Tgt Ion: 146 Resp: 50304
 Ion Ratio Lower Upper
 146 100
 111 45.0 35.0 52.6
 148 64.8 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.890 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU041337.D
 Acq: 19 Nov 2020 01:45

Tgt Ion: 75 Resp: 4595
 Ion Ratio Lower Upper
 75 100
 155 70.1 61.4 92.2
 157 87.8 74.2 111.4

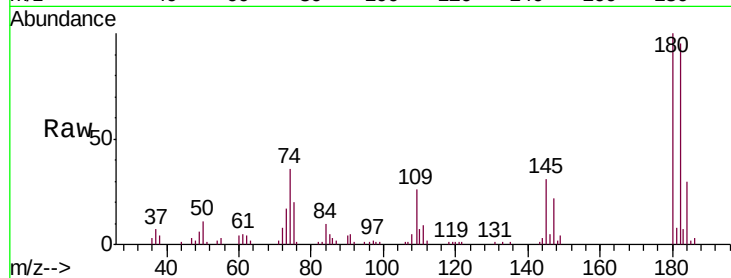




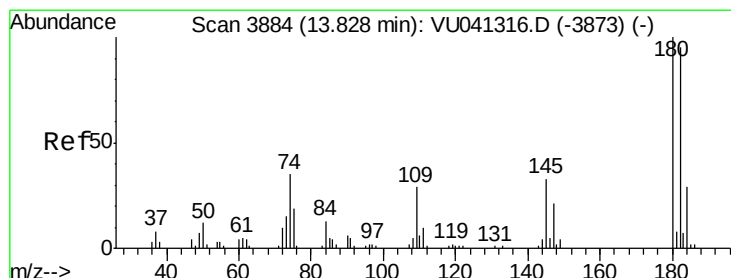
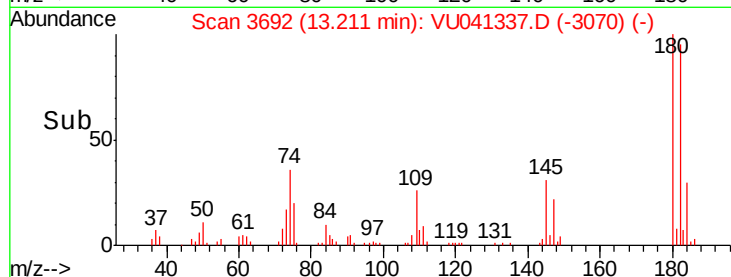
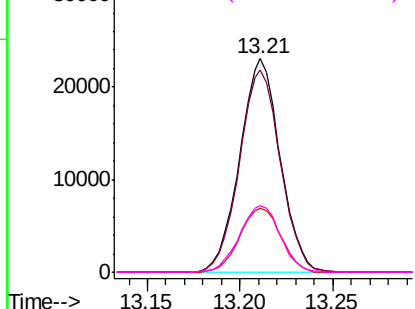
#67
 1,3,5-Trichlorobenzene
 Concen: 4.808 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU041337.D
 Acq: 19 Nov 2020 01:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tgt Ion:180 Resp: 34850
 Ion Ratio Lower Upper
 180 100
 182 96.1 75.7 113.5
 184 30.7 23.7 35.5
 145 31.9 26.1 39.1

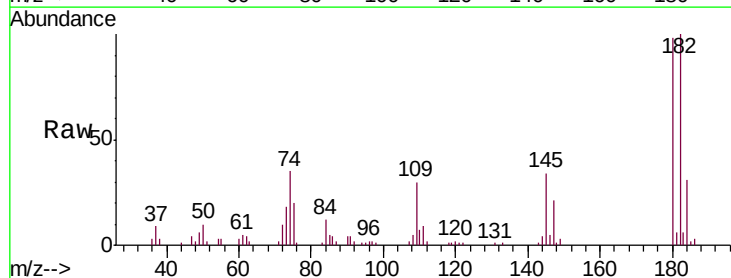


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

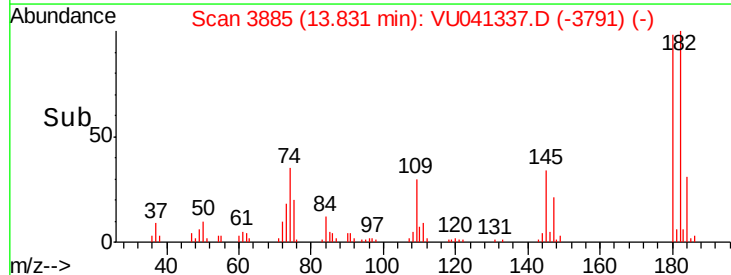
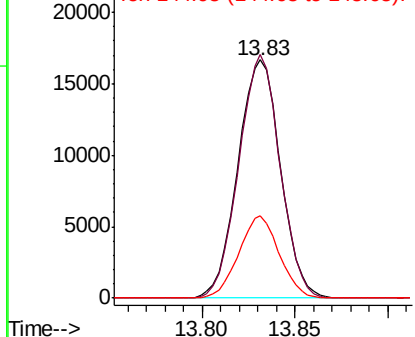


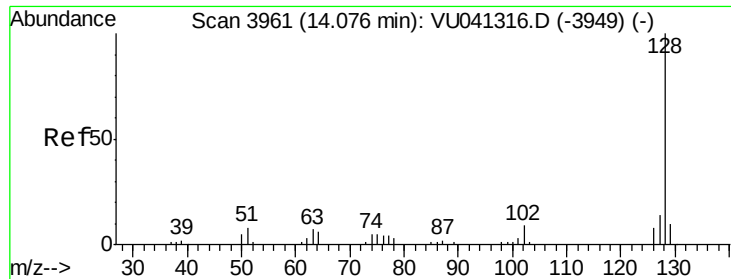
#68
 1,2,4-trichlorobenzene
 Concen: 4.412 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041337.D
 Acq: 19 Nov 2020 01:45

Tgt Ion:180 Resp: 26562
 Ion Ratio Lower Upper
 180 100
 182 98.6 73.5 110.3
 145 32.6 26.6 40.0



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: 4.454 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU041337.D

Acq: 19 Nov 2020 01:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

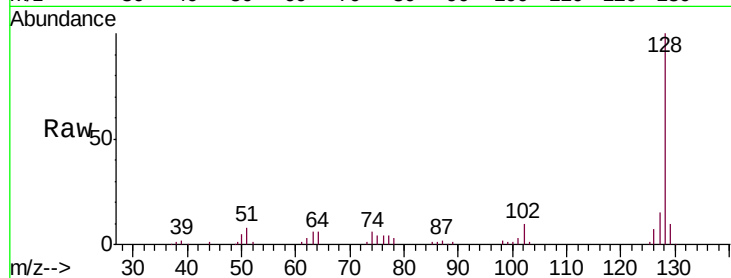
Tgt Ion:128 Resp: 43418

Ion Ratio Lower Upper

128 100

129 10.5 8.7 13.1

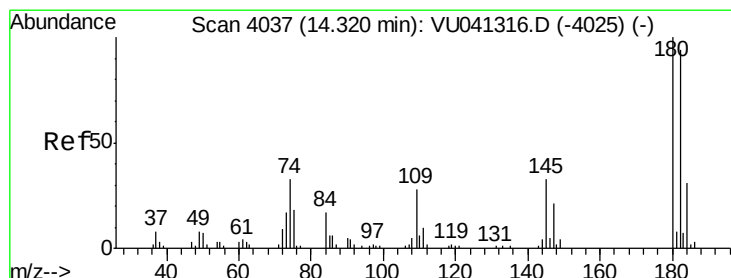
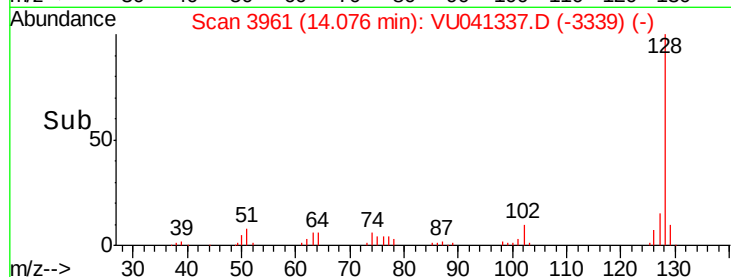
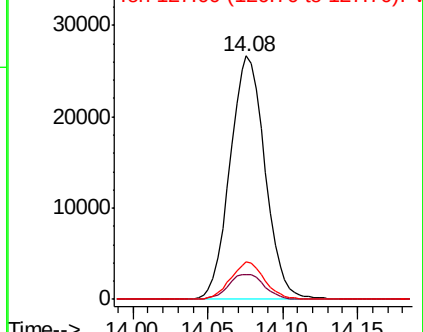
127 14.7 10.8 16.2



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: 4.700 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU041337.D

Acq: 19 Nov 2020 01:45

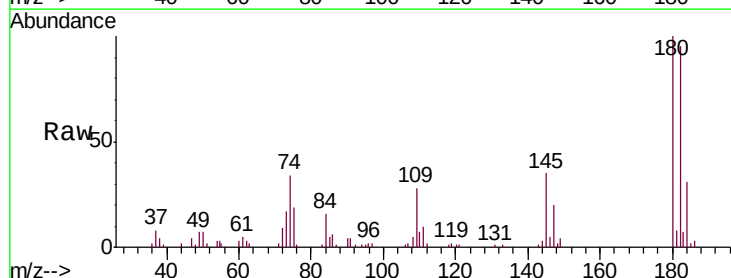
Tgt Ion:180 Resp: 26275

Ion Ratio Lower Upper

180 100

182 95.1 77.7 116.5

145 35.4 29.4 44.0



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

