

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
 Data File : VU041339.D
 Acq On : 19 Nov 2020 13:19
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Quant Time: Nov 20 03:39:22 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	66912	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	65445	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	33563	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	20237	4.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.20%
7) Chloroethane-d5	1.92	69	19137	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.58	63	48692	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.80%
20) 2-Butanone-d5	4.66	46	102548	50.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.06%
24) Chloroform-d	5.08	84	58953	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.80%
26) 1,2-Dichloroethane-d4	5.72	65	36723	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.80%
32) Benzene-d6	5.74	84	100847	5.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.40%
36) 1,2-Dichloropropane-d6	6.70	67	33569	5.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.40%
41) Toluene-d8	7.90	98	94673	5.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.00%
43) trans-1,3-Dichloropropene-	8.19	79	15418	5.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	117.80%
46) 2-Hexanone-d5	8.64	63	75757	54.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.40%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	30033	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	35850	5.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	26180	4.740 ug/L	100
3) Chloromethane	1.52	50	23235	3.906 ug/L	98
5) Vinyl chloride	1.61	62	25526	4.394 ug/L	100
6) Bromomethane	1.86	94	15182	4.406 ug/L	95
8) Chloroethane	1.94	64	16368	4.245 ug/L	99
9) Trichlorofluoromethane	2.15	101	43875	4.849 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	23845	4.838 ug/L	93
12) 1,1-Dichloroethene	2.59	96	20509	4.709 ug/L	99
13) Acetone	2.67	43	60717	45.101 ug/L #	60
14) Carbon disulfide	2.80	76	52687	4.110 ug/L	99
15) Methyl Acetate	2.97	43	11932	4.267 ug/L	99
16) Methylene chloride	3.06	84	31348	5.740 ug/L	91
17) Methyl tert-butyl Ether	3.38	73	60241	5.052 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	21513	5.071 ug/L	97
19) 1,1-Dichloroethane	3.89	63	46678	4.922 ug/L	98
21) 2-Butanone	4.74	43	89735	43.903 ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	23787	4.965 ug/L	93

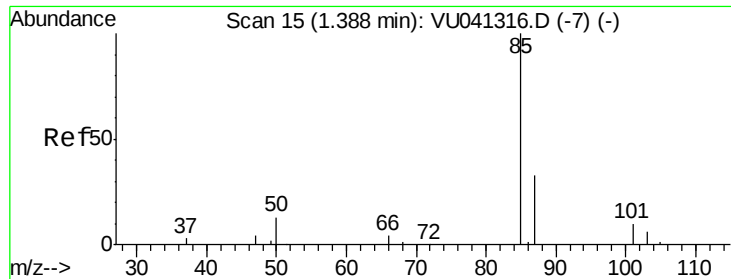
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
 Data File : VU041339.D
 Acq On : 19 Nov 2020 13:19
 Operator : SY/MD
 Sample : VSTDCCC005
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Quant Time: Nov 20 03:39:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant 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)
23) Bromochloromethane	4.99	128	11798	4.966	ug/L	90
25) Chloroform	5.10	83	51024	4.961	ug/L	99
27) 1,2-Dichloroethane	5.81	62	36620	4.952	ug/L	96
29) 1,1,1-Trichloroethane	5.33	97	44209	5.527	ug/L	96
30) Cyclohexane	5.40	56	32589	4.931	ug/L	95
31) Carbon tetrachloride	5.54	117	38661	5.574	ug/L	99
33) Benzene	5.79	78	95828	5.403	ug/L	100
34) Trichloroethene	6.55	95	24880	5.191	ug/L	97
35) Methylcyclohexane	6.77	83	33670	5.288	ug/L	96
37) 1,2-Dichloropropane	6.80	63	27534	5.311	ug/L	99
38) Bromodichloromethane	7.11	83	38067	5.618	ug/L #	98
39) cis-1,3-Dichloropropene	7.61	75	38163	5.278	ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	205953	48.007	ug/L	99
42) Toluene	7.97	91	103815	5.477	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	36528	5.341	ug/L	97
45) 1,1,2-Trichloroethane	8.41	97	20129	5.021	ug/L	95
47) Tetrachloroethene	8.56	164	18455	5.211	ug/L	100
48) 2-Hexanone	8.69	43	155389	48.522	ug/L	99
49) Dibromochloromethane	8.81	129	25250	5.315	ug/L	97
50) 1,2-Dibromoethane	8.93	107	18617	5.005	ug/L	98
51) Chlorobenzene	9.45	112	67039	5.340	ug/L	96
52) Ethylbenzene	9.57	91	109389	5.404	ug/L	100
53) m,p-Xylene	9.69	106	41169	5.628	ug/L	95
54) o-Xylene	10.10	106	38915	5.523	ug/L	91
55) Styrene	10.11	104	69058	5.535	ug/L	99
56) Isopropylbenzene	10.48	105	111096	5.952	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	26235	5.006	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	20900	5.112	ug/L	95
61) Bromoform	10.29	173	14928	4.857	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	53434	5.291	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	52586	5.053	ug/L	97
65) 1,2-Dichlorobenzene	12.21	146	51621	5.139	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	4678	5.016	ug/L	94
67) 1,3,5-Trichlorobenzene	13.21	180	37163	5.167	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	28871	4.832	ug/L	97
69) Naphthalene	14.08	128	45826	4.737	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	27880	5.025	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 4.740 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041339.D

Acq: 19 Nov 2020 13:19

Instrument :

MSVOA_U

ClientSampleId :

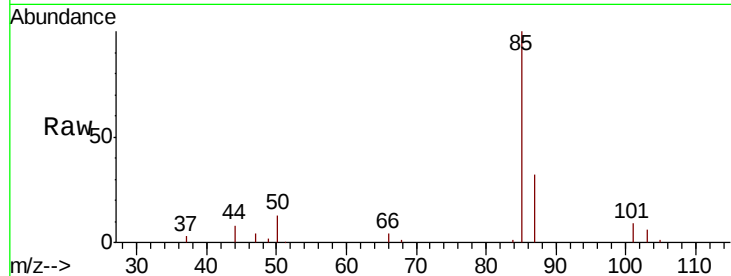
VSTD00529

Tot Ion: 85 Resp: 26180

Ion Ratio Lower Upper

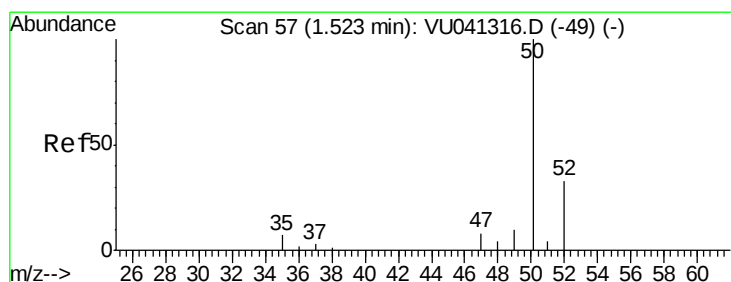
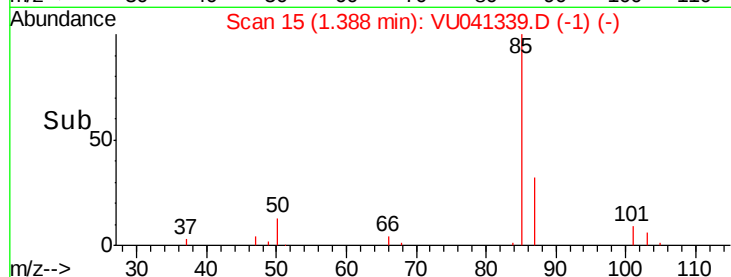
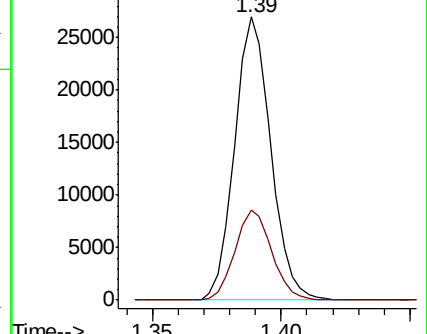
85 100

87 32.3 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: 3.906 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041339.D

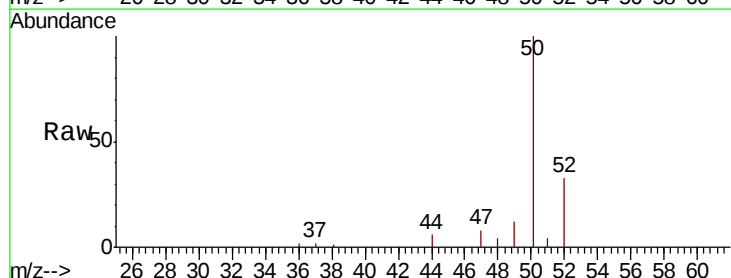
Acq: 19 Nov 2020 13:19

Tgt Ion: 50 Resp: 23235

Ion Ratio Lower Upper

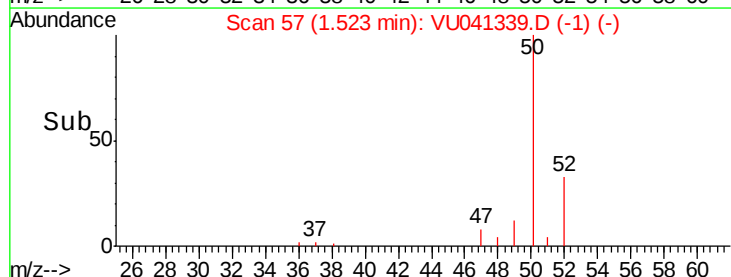
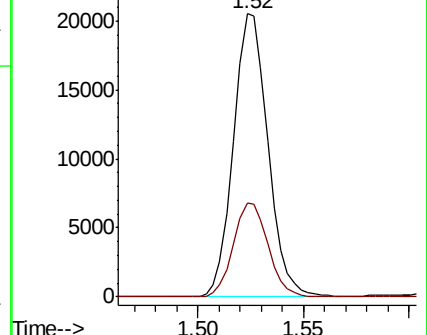
50 100

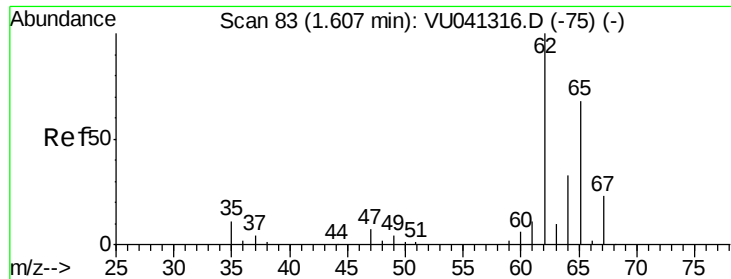
52 33.0 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.394 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041339.D

Acq: 19 Nov 2020 13:19

Instrument :

MSVOA_U

ClientSampleId :

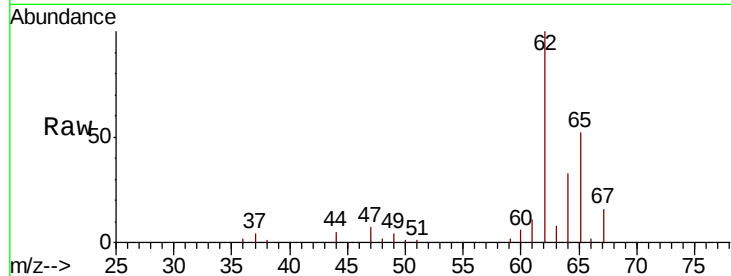
VSTD00529

Tot Ion: 62 Resp: 25526

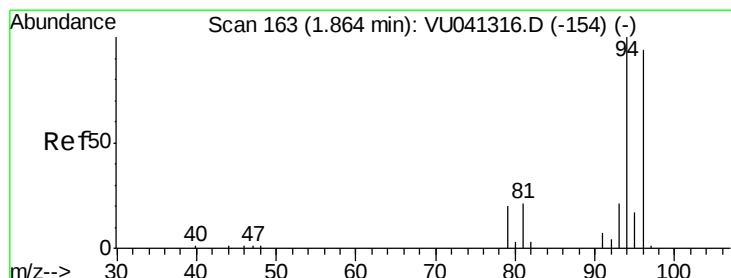
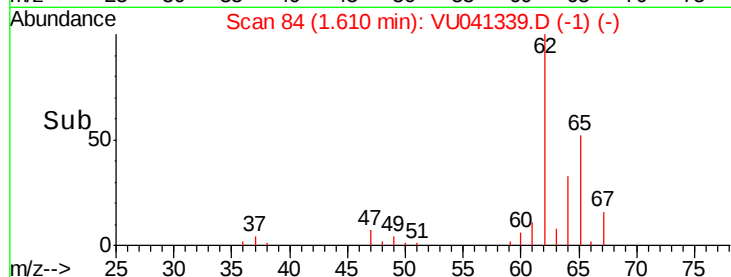
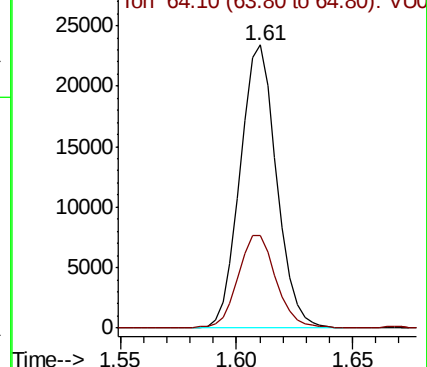
Ion Ratio Lower Upper

62 100

64 32.7 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU041339.D (-75) (-)



#6

Bromomethane

Concen: 4.406 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU041339.D

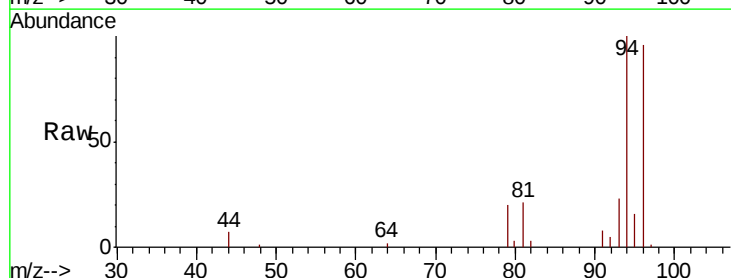
Acq: 19 Nov 2020 13:19

Tgt Ion: 94 Resp: 15182

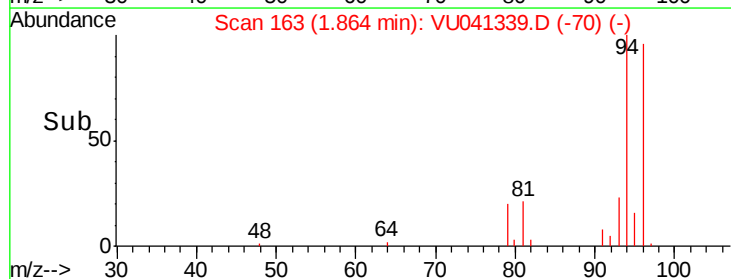
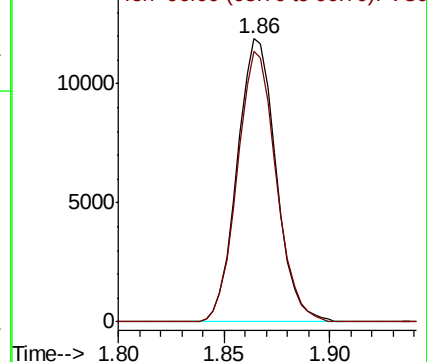
Ion Ratio Lower Upper

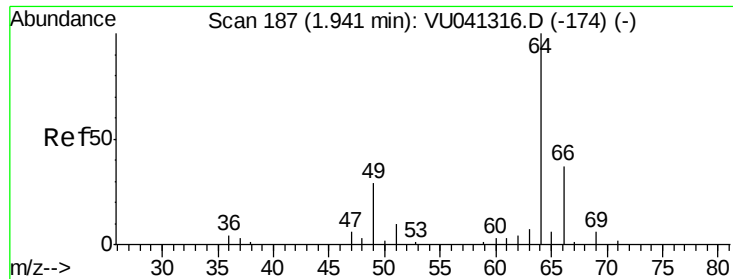
94 100

96 95.8 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU041339.D (-154) (-)

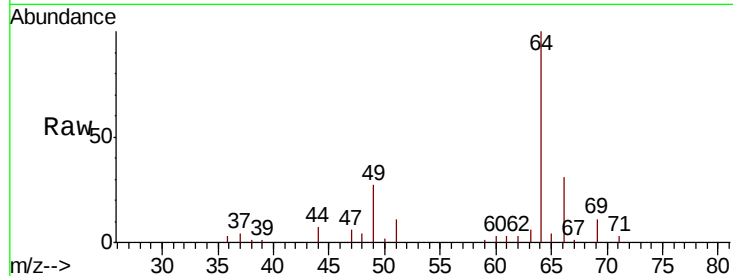




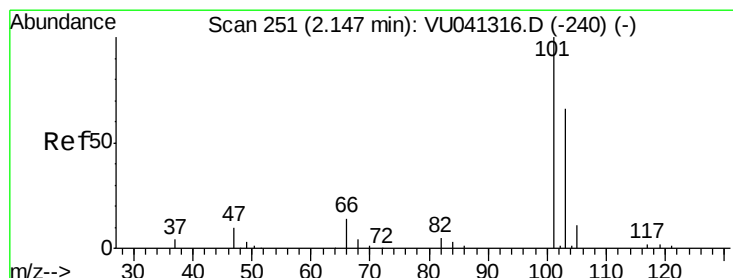
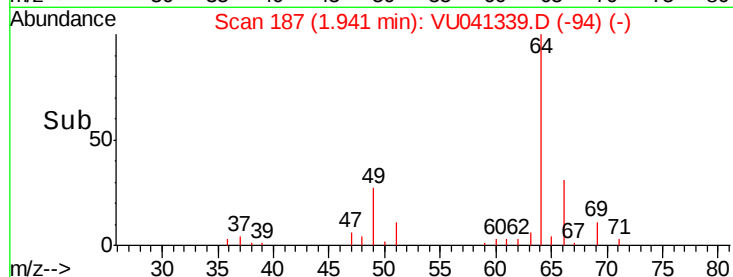
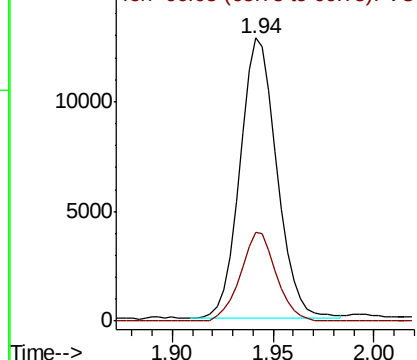
#8
Chloroethane
Concen: 4.245 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU041339.D
Acq: 19 Nov 2020 13:19

Instrument :
MSVOA_U
ClientSampled :
VSTD00529

Tot Ion: 64 Resp: 16368
Ion Ratio Lower Upper
64 100
66 31.3 22.3 41.5

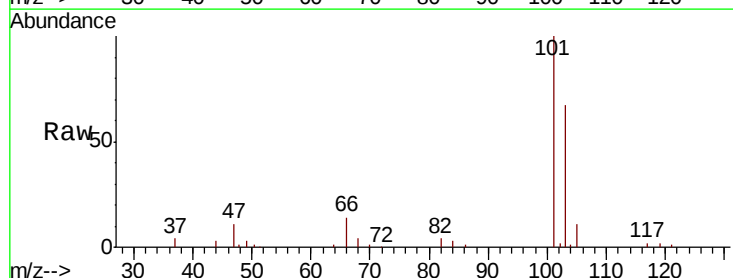


Abundance Ion 64.10 (63.80 to 64.80): VU041339.D (-174) (-)
Ion 66.05 (65.75 to 66.75): VU041339.D (-174) (-)

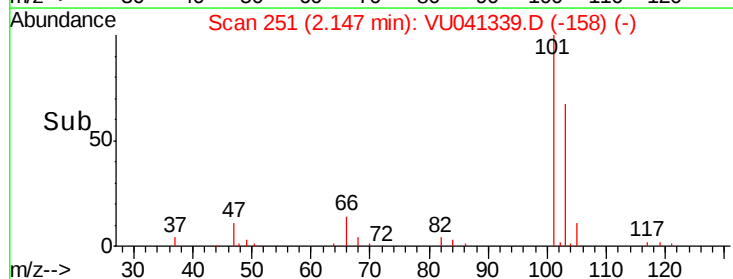
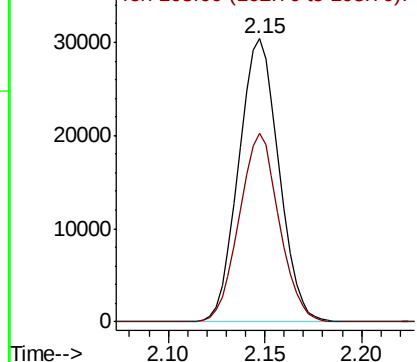


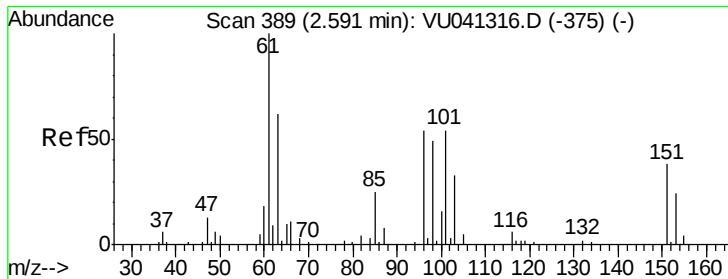
#9
Trichlorofluoromethane
Concen: 4.849 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU041339.D
Acq: 19 Nov 2020 13:19

Tgt Ion: 101 Resp: 43875
Ion Ratio Lower Upper
101 100
103 66.2 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU041339.D (-240) (-)
Ion 103.00 (102.70 to 103.70): VU041339.D (-240) (-)





#10

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

Concen: 4.838 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041339.D

Acq: 19 Nov 2020 13:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

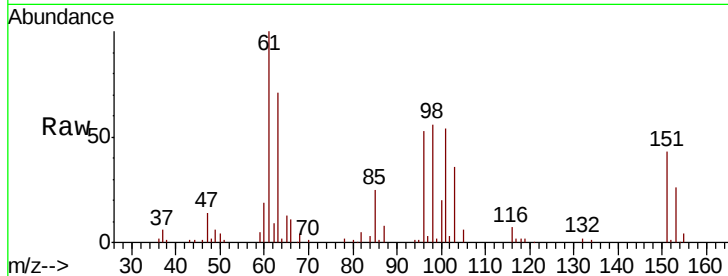
Tot Ion:101 Resp: 23845

Ion Ratio Lower Upper

101 100

85 47.1 35.0 52.4

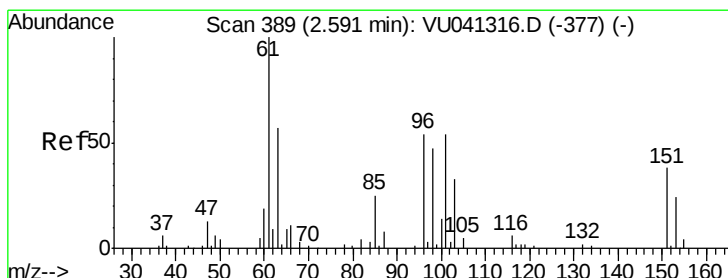
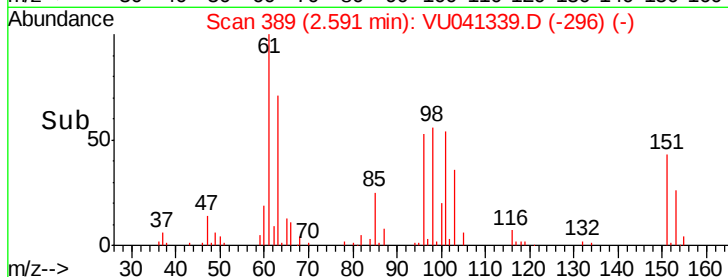
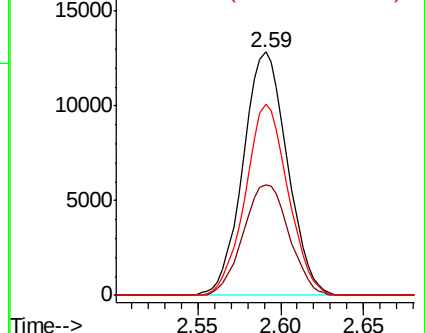
151 75.8 55.3 82.9



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: 4.709 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041339.D

Acq: 19 Nov 2020 13:19

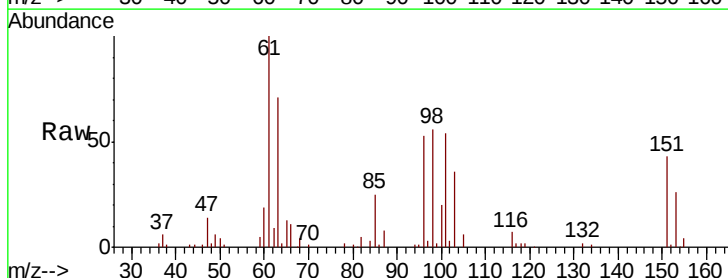
Tgt Ion: 96 Resp: 20509

Ion Ratio Lower Upper

96 100

61 190.0 134.3 249.5

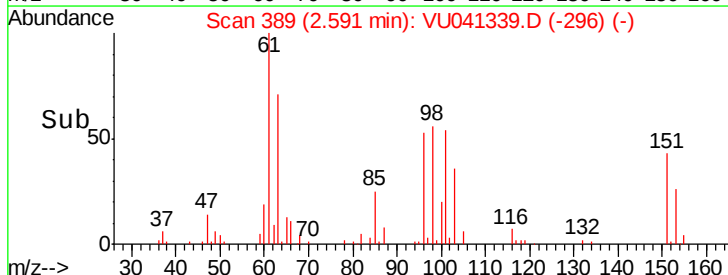
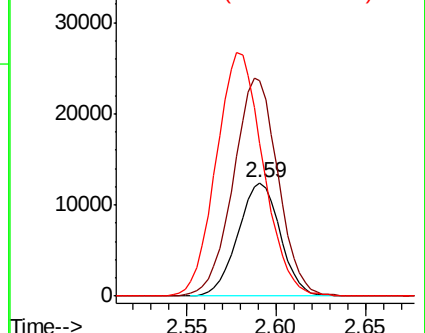
63 134.3 95.0 176.4

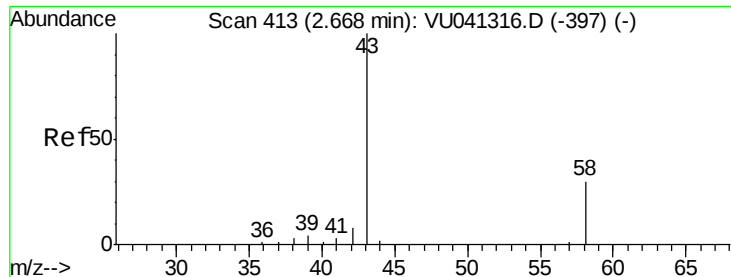


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 45.101 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.00 min

Lab File: VU041339.D

Acq: 19 Nov 2020 13:19

Instrument :

MSVOA_U

ClientSampleId :

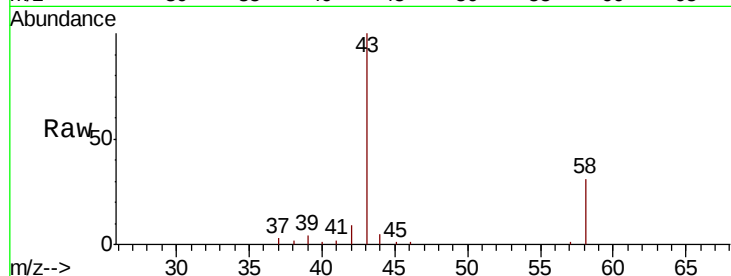
VSTD00529

Tot Ion: 43 Resp: 60717

Ion Ratio Lower Upper

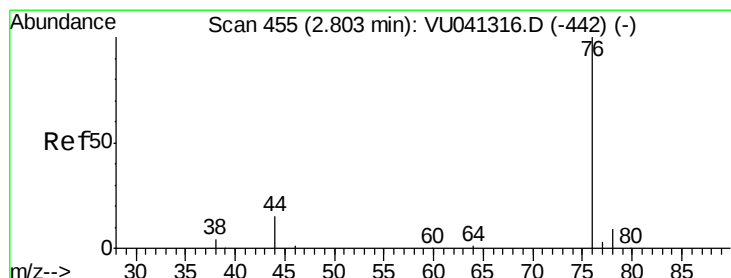
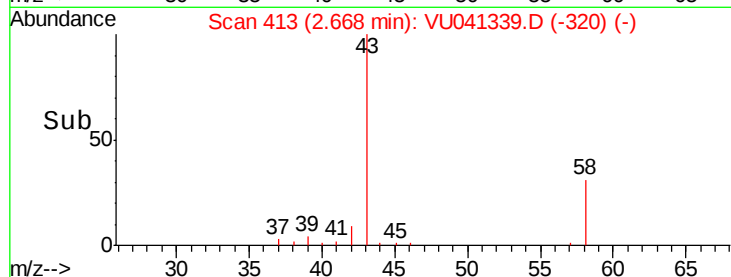
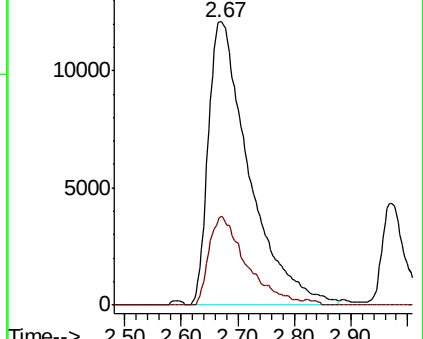
43 100

58 28.6 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.110 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU041339.D

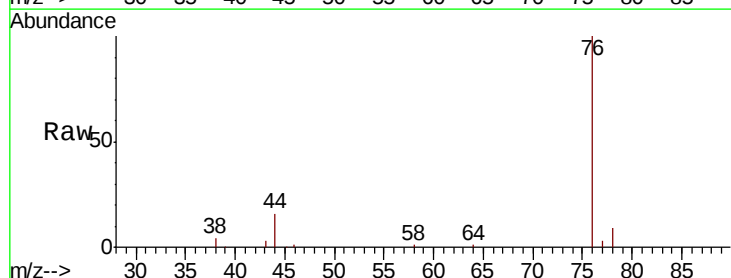
Acq: 19 Nov 2020 13:19

Tgt Ion: 76 Resp: 52687

Ion Ratio Lower Upper

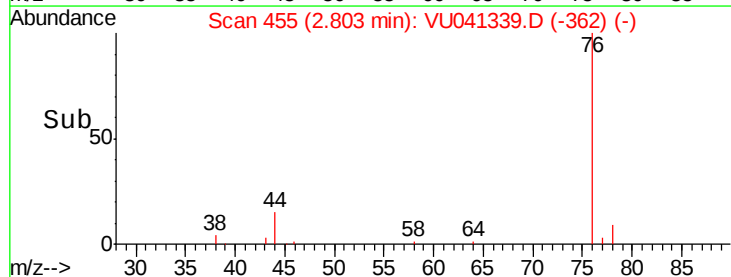
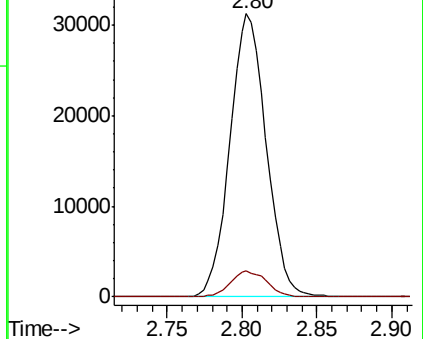
76 100

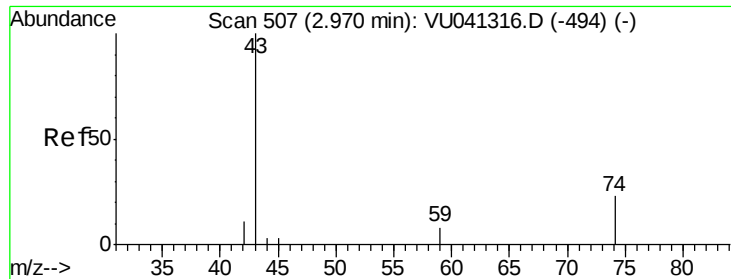
78 9.1 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

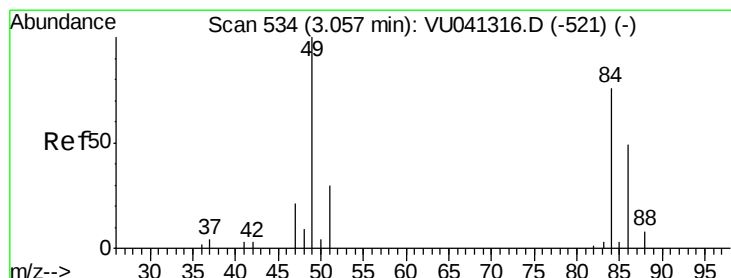
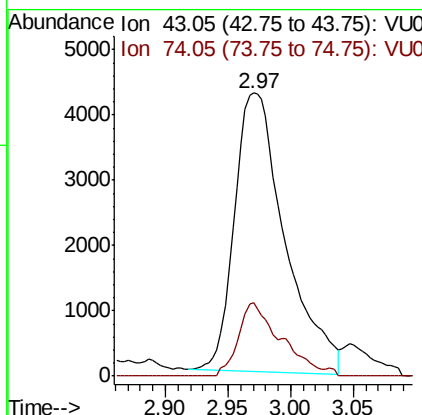
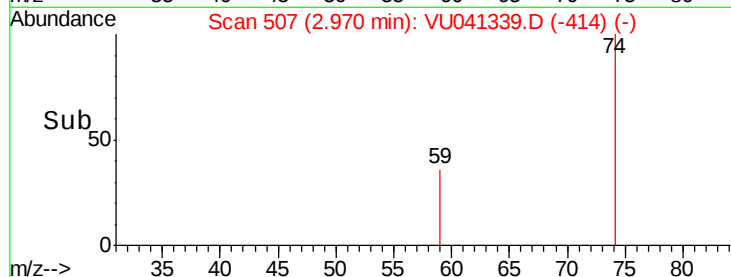
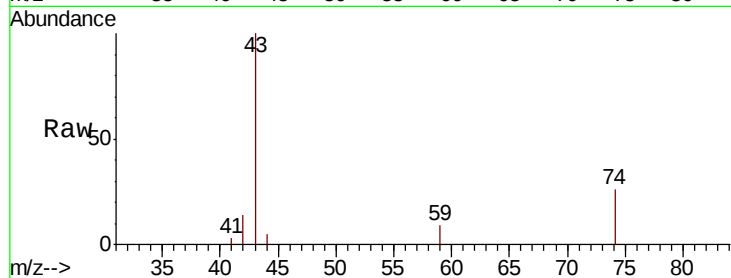




#15
Methyl Acetate
Concen: 4.267 ug/L
RT: 2.97 min Scan# 507
Delta R.T. -0.00 min
Lab File: VU041339.D
Acq: 19 Nov 2020 13:19

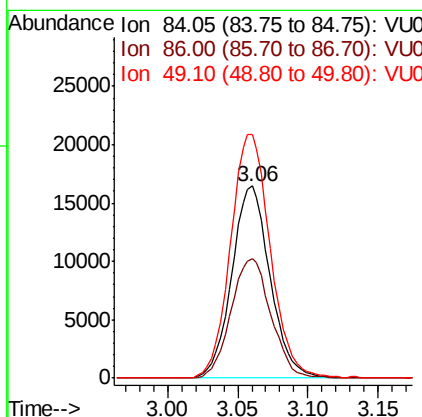
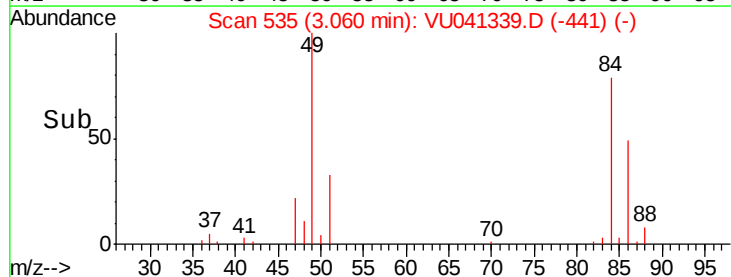
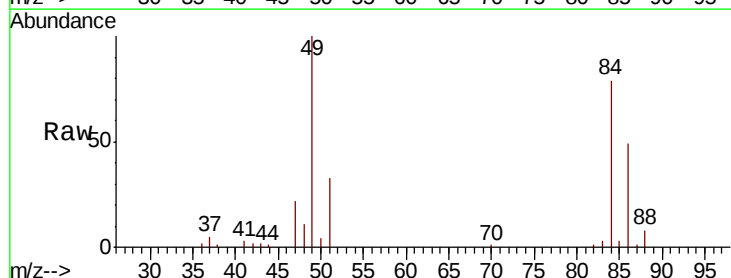
Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

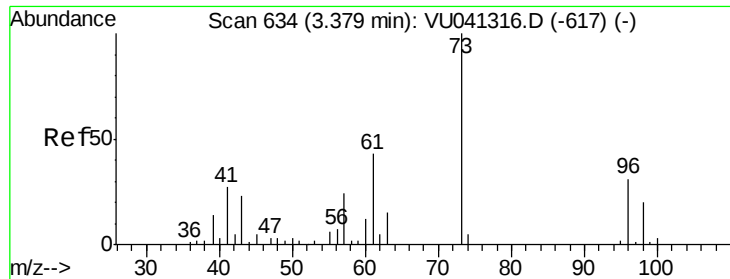
Tot Ion: 43 Resp: 11932
Ion Ratio Lower Upper
43 100
74 22.6 18.3 27.5



#16
Methylene chloride
Concen: 5.740 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041339.D
Acq: 19 Nov 2020 13:19

Tgt Ion: 84 Resp: 31348
Ion Ratio Lower Upper
84 100
86 62.4 42.8 79.6
49 126.9 99.5 184.7

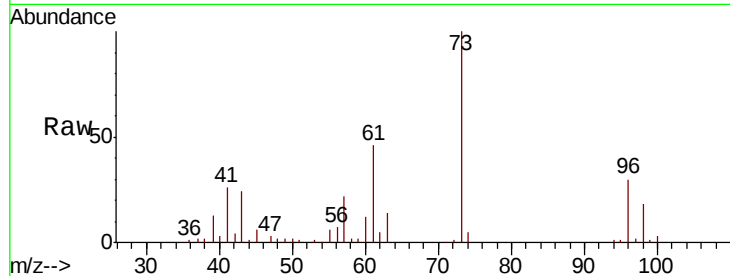




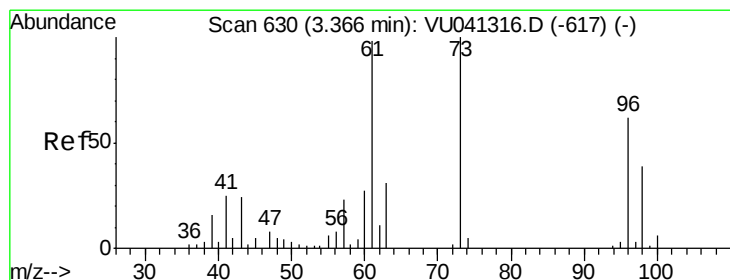
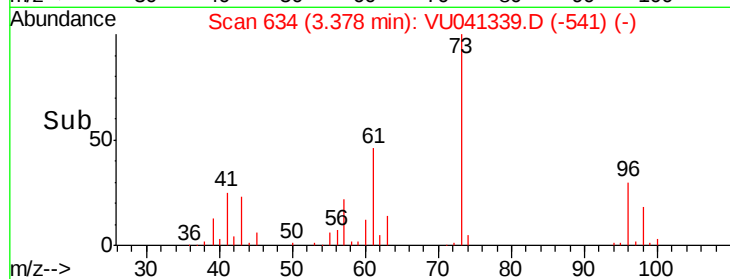
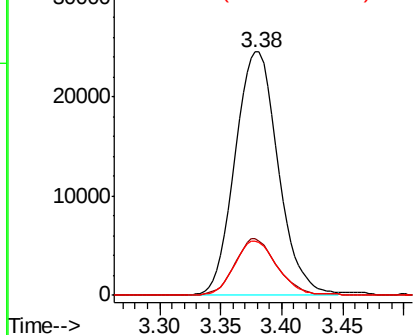
#17
Methvl tert-butvl Ether
Concen: 5.052 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041339.D
Acq: 19 Nov 2020 13:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tot Ion: 73 Resp: 60241
Ion Ratio Lower Upper
73 100
43 22.5 18.5 27.7
57 22.2 18.4 27.6

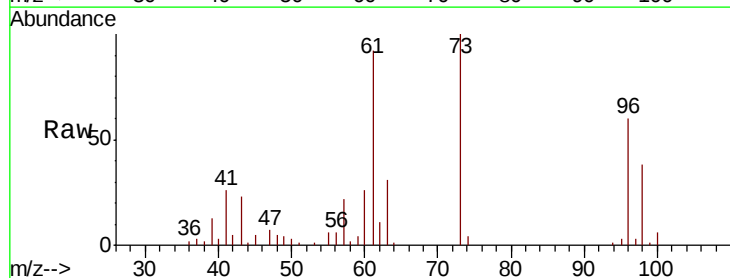


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

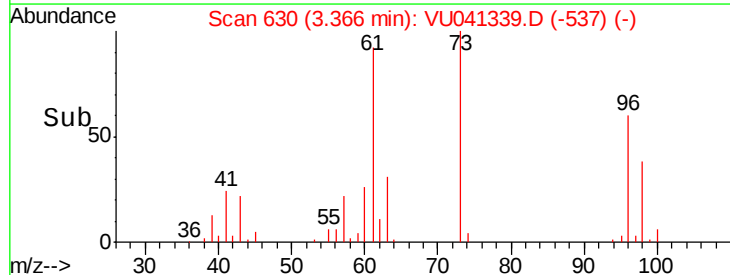
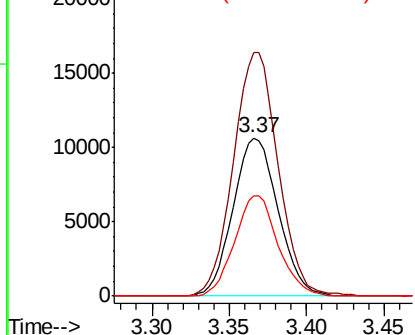


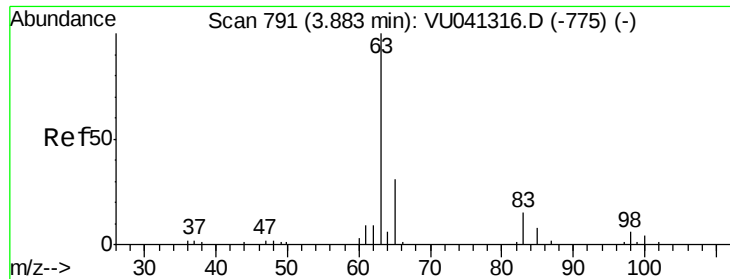
#18
trans-1,2-Dichloroethene
Concen: 5.071 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU041339.D
Acq: 19 Nov 2020 13:19

Tgt Ion: 96 Resp: 21513
Ion Ratio Lower Upper
96 100
61 153.4 110.9 205.9
98 63.2 45.4 84.2



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

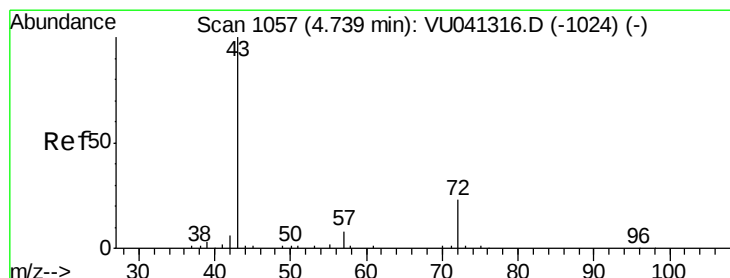
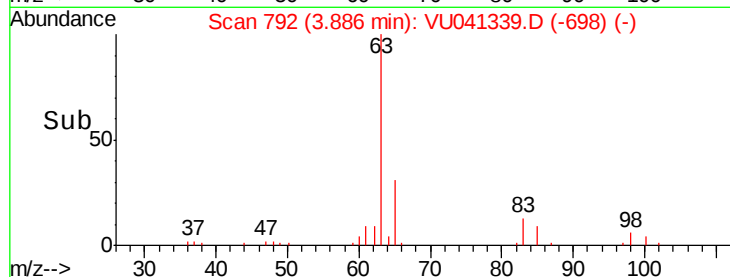
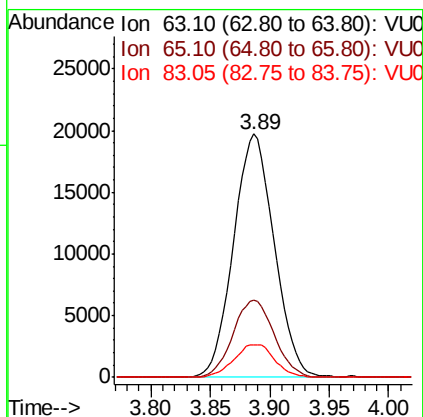
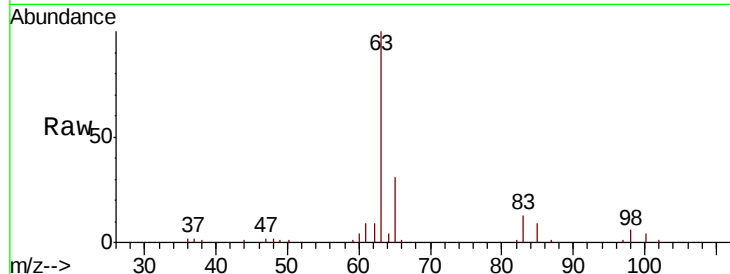




#19
 1,1-Dichloroethane
 Concen: 4.922 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VU041339.D
 Acq: 19 Nov 2020 13:19

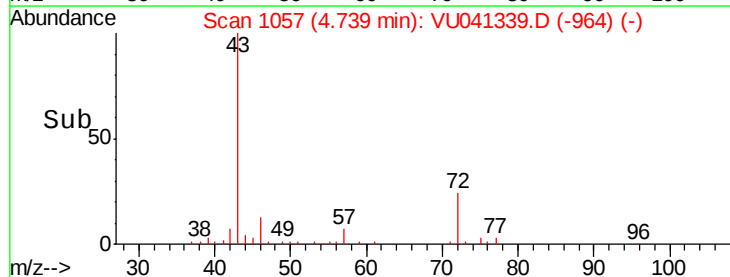
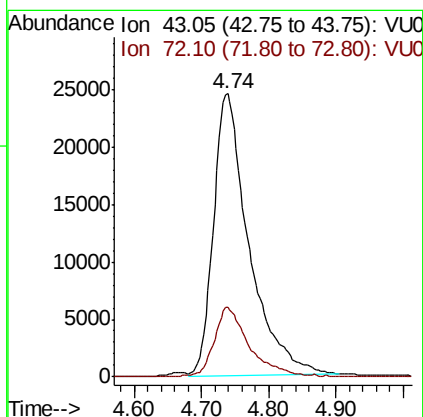
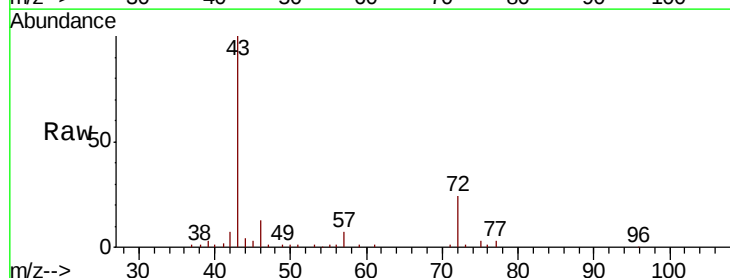
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

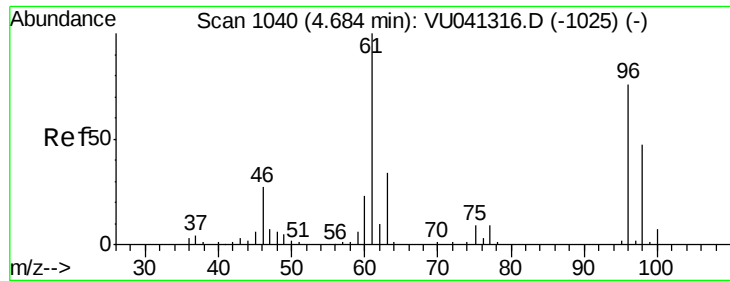
Tot Ion: 63 Resp: 46678
 Ion Ratio Lower Upper
 63 100
 65 31.5 21.3 39.6
 83 13.5 8.8 16.3



#21
 2-Butanone
 Concen: 43.903 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VU041339.D
 Acq: 19 Nov 2020 13:19

Tgt Ion: 43 Resp: 89735
 Ion Ratio Lower Upper
 43 100
 72 24.5 11.8 35.4

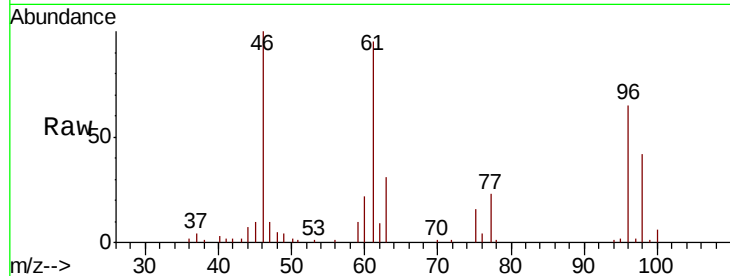




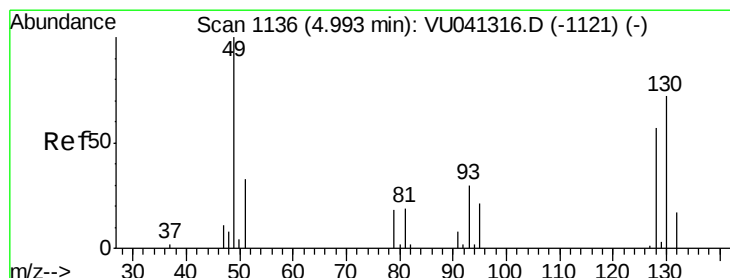
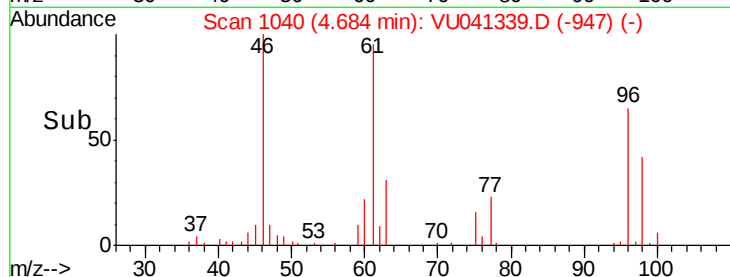
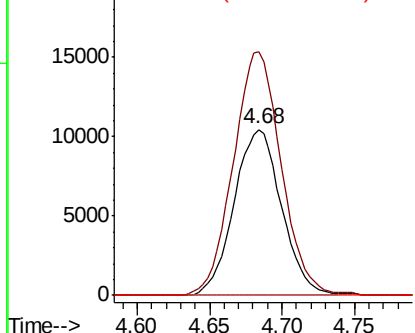
#22
 cis-1,2-Dichloroethene
 Concen: 4.965 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU041339.D
 Acq: 19 Nov 2020 13:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Tot Ion: 96 Resp: 23787
 Ion Ratio Lower Upper
 96 100
 61 146.9 97.2 180.4
 68 0.0 0.0 0.0

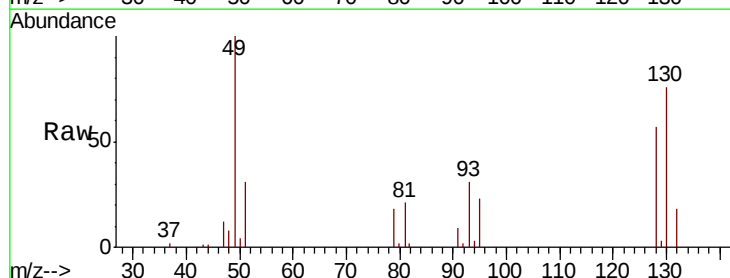


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

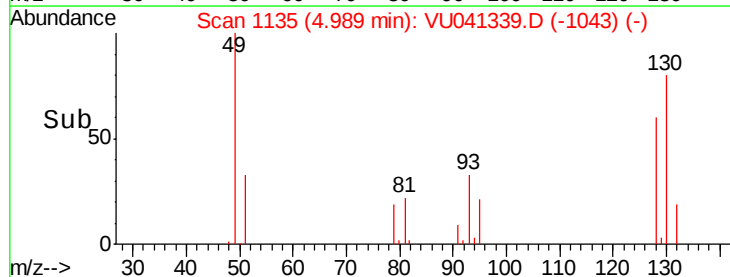
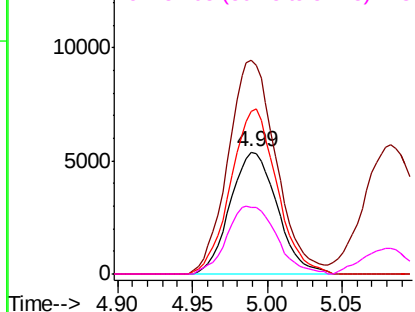


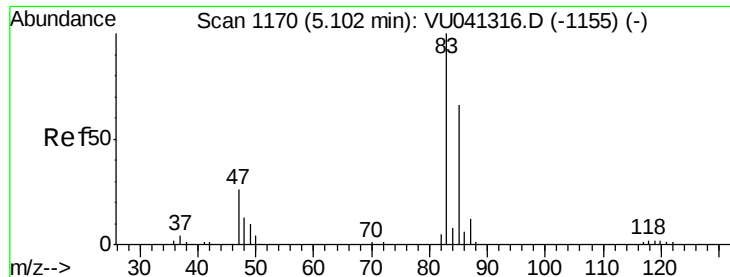
#23
 Bromochloromethane
 Concen: 4.966 ug/L
 RT: 4.99 min Scan# 1135
 Delta R.T. -0.00 min
 Lab File: VU041339.D
 Acq: 19 Nov 2020 13:19

Tgt Ion: 128 Resp: 11798
 Ion Ratio Lower Upper
 128 100
 49 175.6 135.0 250.8
 130 134.0 89.9 167.0
 51 55.0 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

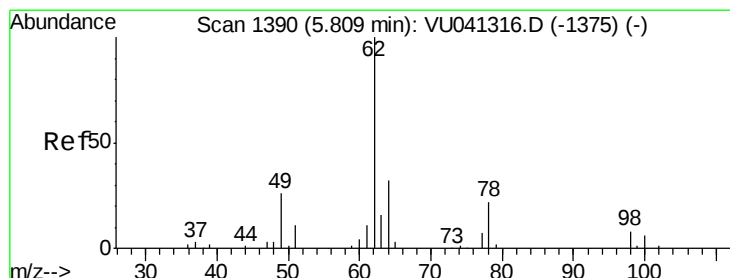
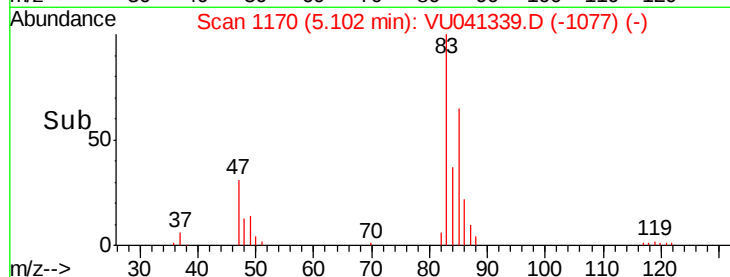
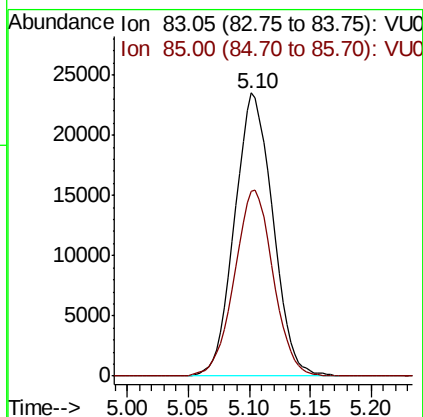
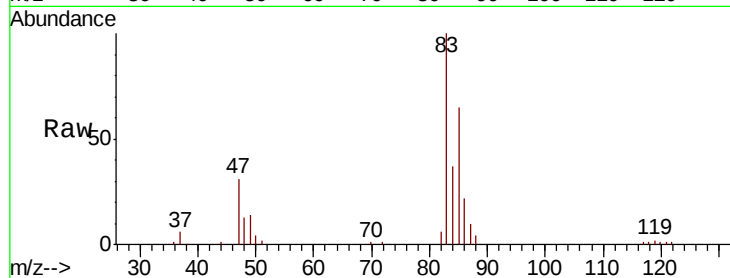




#25
Chloroform
Concen: 4.961 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041339.D
Acq: 19 Nov 2020 13:19

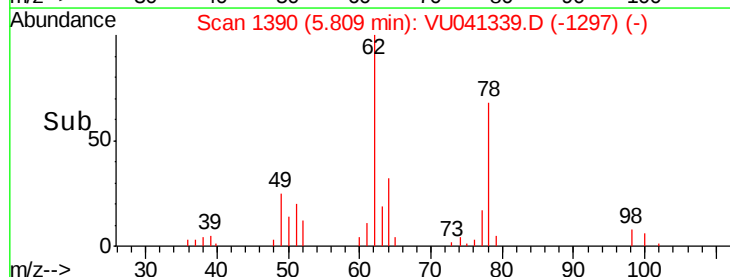
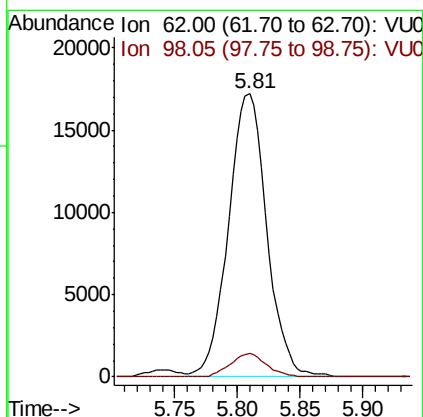
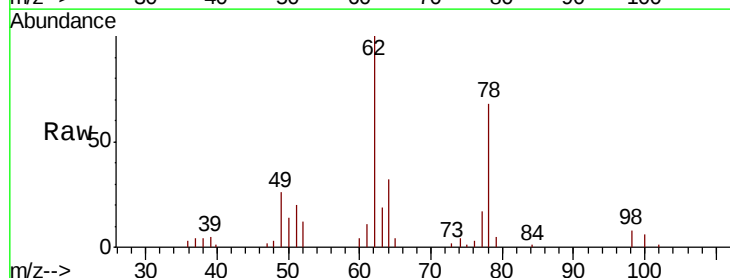
Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

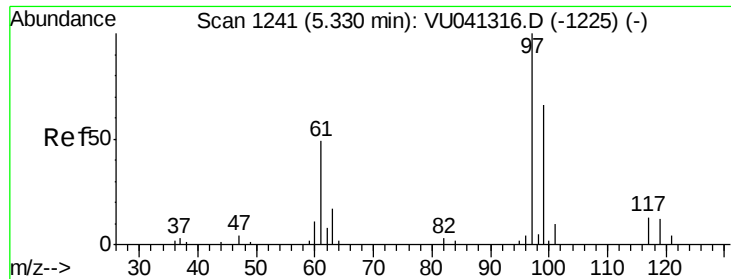
Tot Ion: 83 Resp: 51024
Ion Ratio Lower Upper
83 100
85 65.4 46.1 85.7



#27
1,2-Dichloroethane
Concen: 4.952 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU041339.D
Acq: 19 Nov 2020 13:19

Tgt Ion: 62 Resp: 36620
Ion Ratio Lower Upper
62 100
98 8.1 7.6 11.4

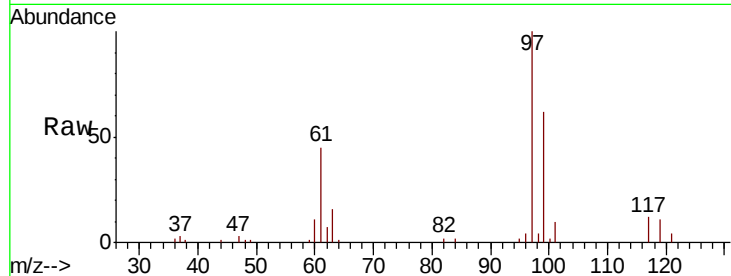




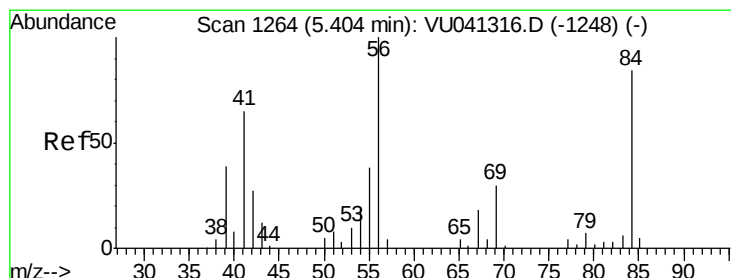
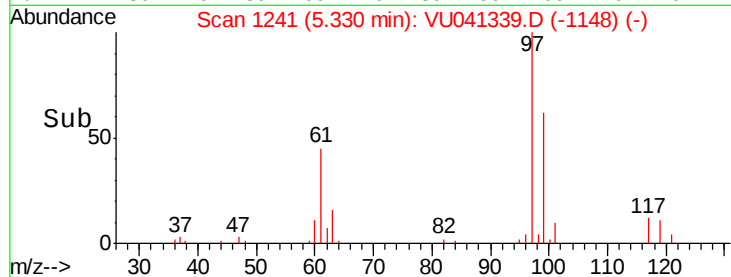
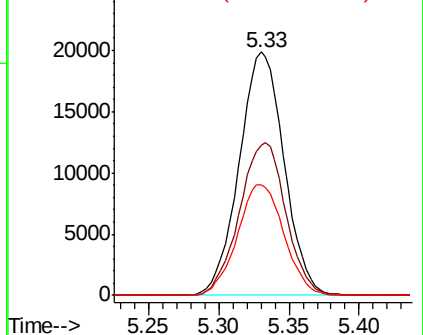
#29
 1,1,1-Trichloroethane
 Concen: 5.527 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU041339.D
 Acq: 19 Nov 2020 13:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Tot Ion: 97 Resp: 44209
 Ion Ratio Lower Upper
 97 100
 99 64.8 53.4 80.0
 61 47.0 41.6 62.4

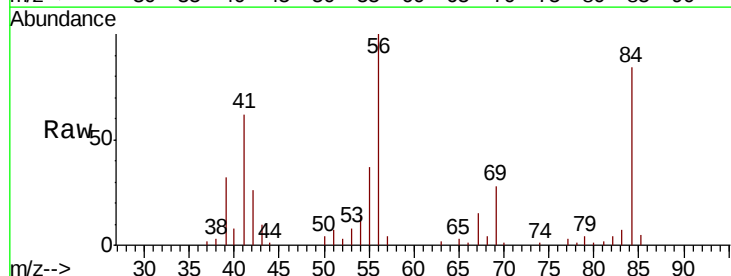


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

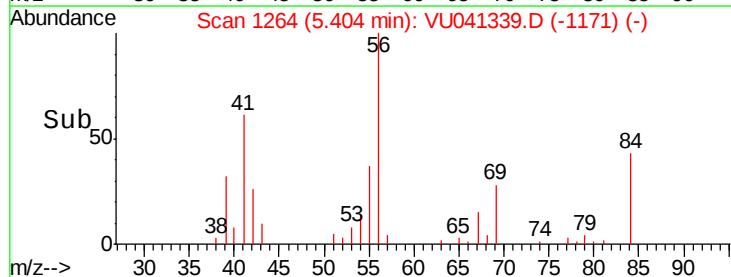
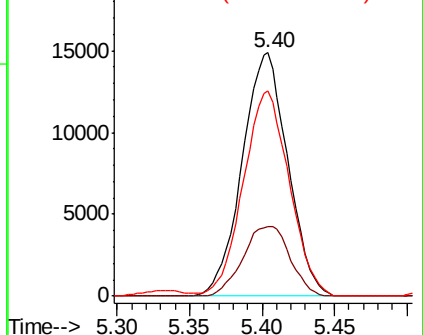


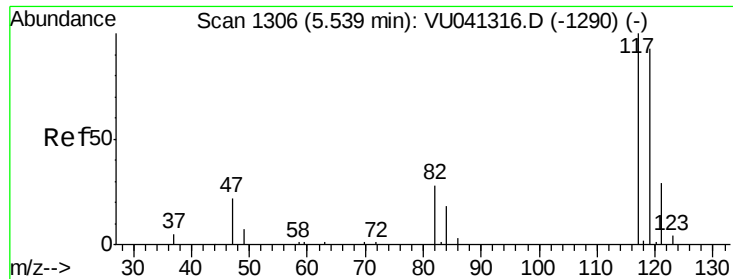
#30
 Cyclohexane
 Concen: 4.931 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU041339.D
 Acq: 19 Nov 2020 13:19

Tgt Ion: 56 Resp: 32589
 Ion Ratio Lower Upper
 56 100
 69 29.5 22.8 34.2
 84 84.8 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

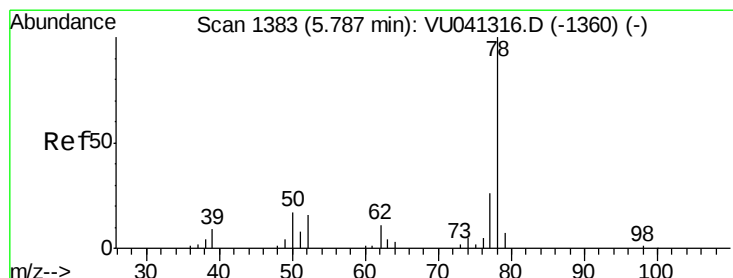
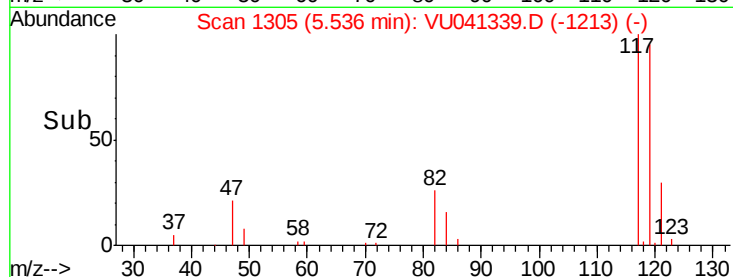
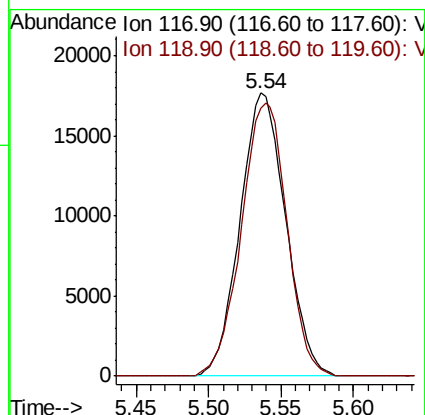
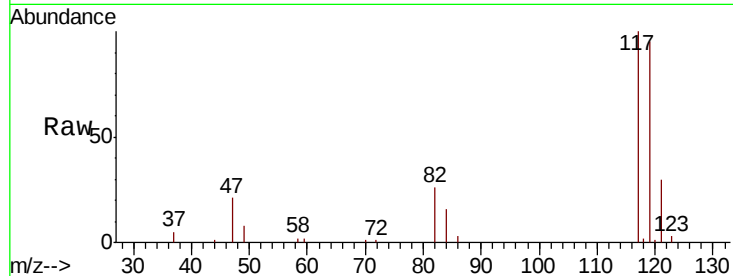




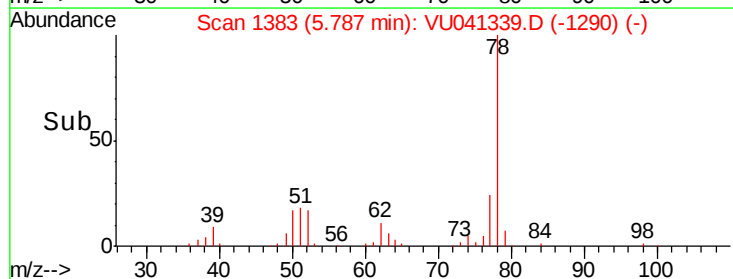
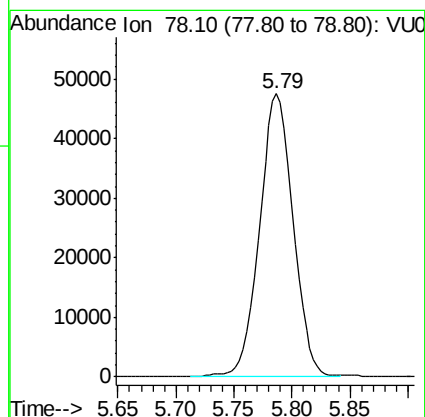
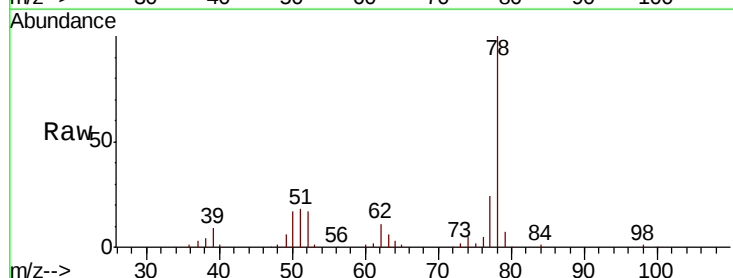
#31
Carbon tetrachloride
Concen: 5.574 ug/L
RT: 5.54 min Scan# 1305
Delta R.T. -0.00 min
Lab File: VU041339.D
Acq: 19 Nov 2020 13:19

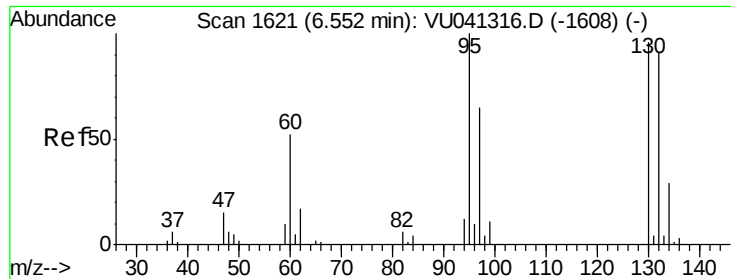
Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tot Ion:117 Resp: 38661
Ion Ratio Lower Upper
117 100
119 96.3 76.1 114.1



#33
Benzene
Concen: 5.403 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU041339.D
Acq: 19 Nov 2020 13:19
Tgt Ion: 78 Resp: 95828

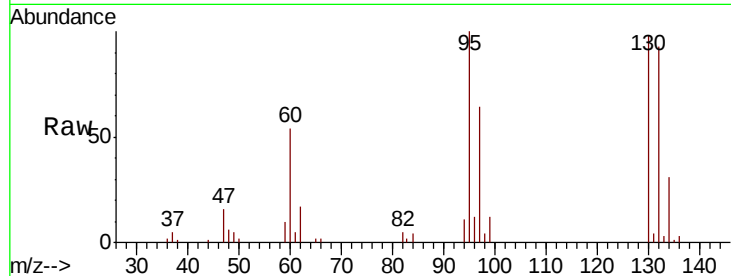




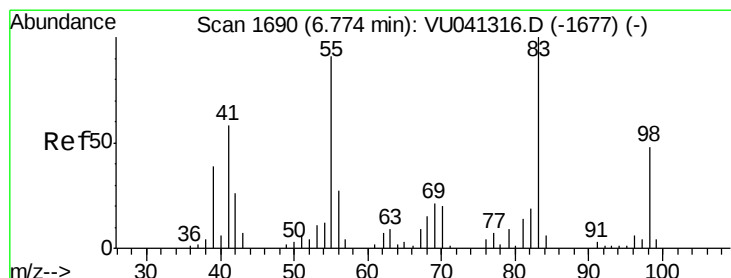
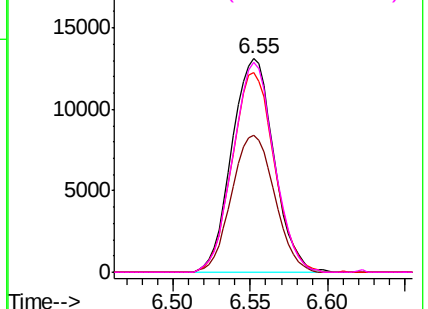
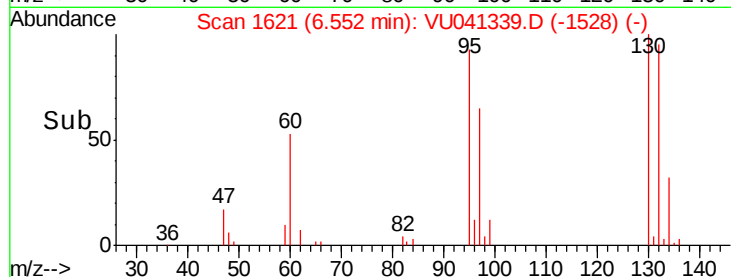
#34
 Trichloroethene
 Concen: 5.191 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041339.D
 Acq: 19 Nov 2020 13:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Tot Ion:	95	Resp:	24880
Ion	Ratio	Lower	Upper
95	100		
97	63.8	45.6	84.6
132	93.3	64.8	120.4
130	98.5	64.8	120.4

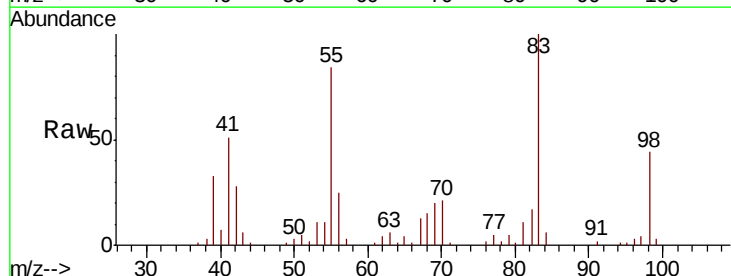


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

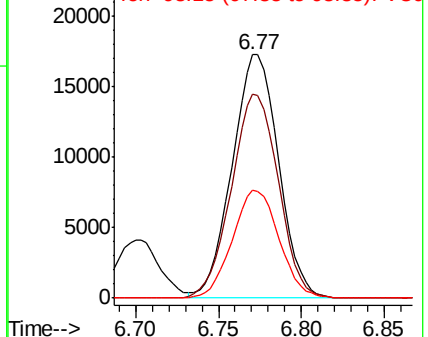
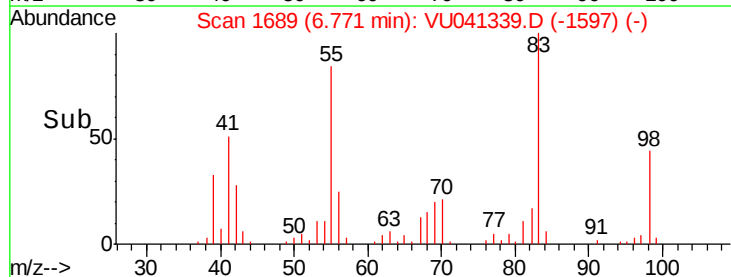


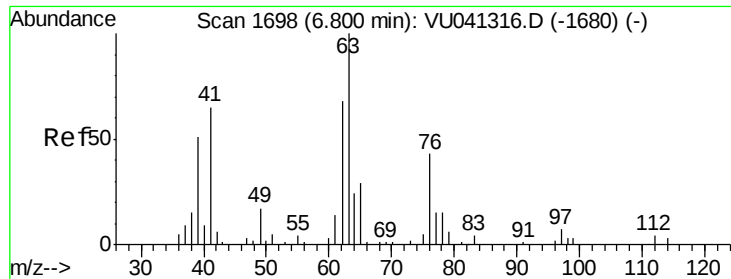
#35
 Methylcyclohexane
 Concen: 5.288 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU041339.D
 Acq: 19 Nov 2020 13:19

Tgt Ion:	83	Resp:	33670
Ion	Ratio	Lower	Upper
83	100		
55	84.9	72.0	108.0
98	44.6	36.6	55.0



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

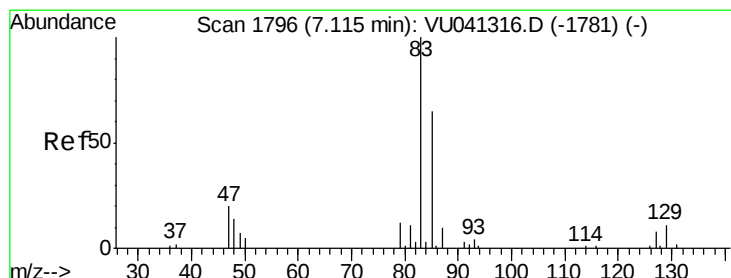
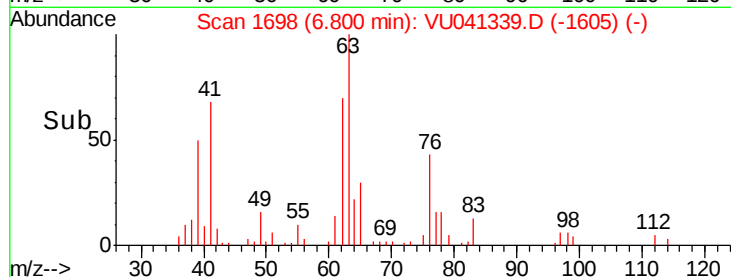
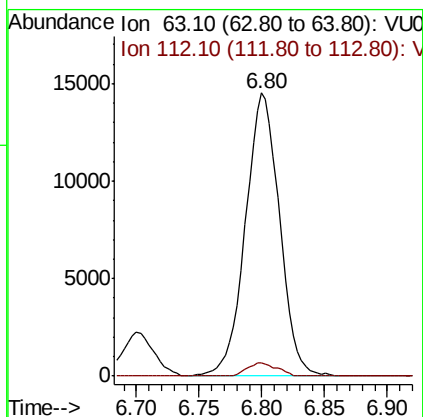
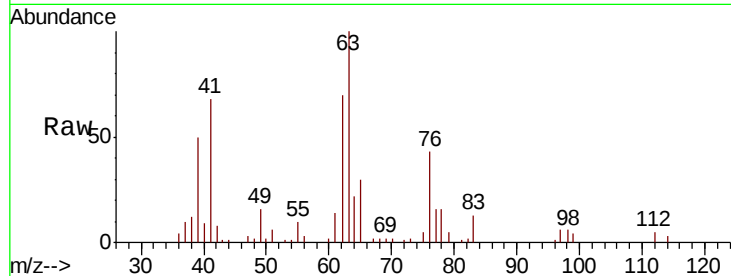




#37
 1,2-Dichloropropane
 Concen: 5.311 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041339.D
 Acq: 19 Nov 2020 13:19

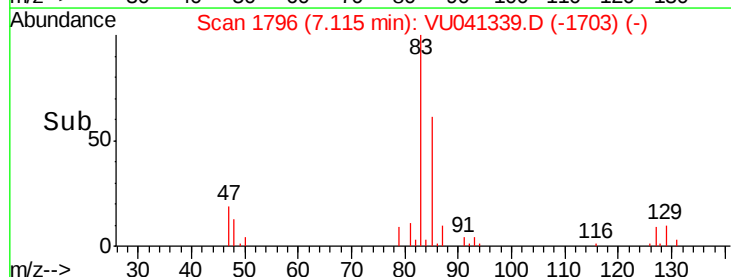
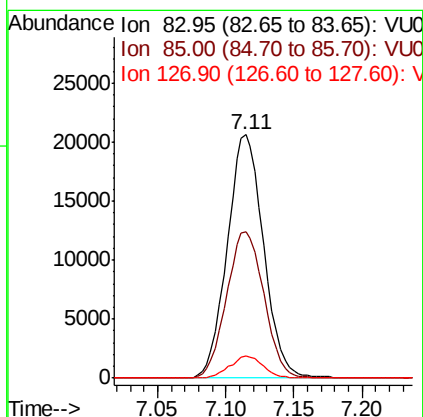
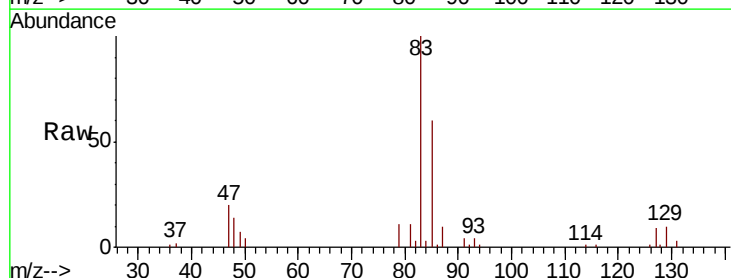
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

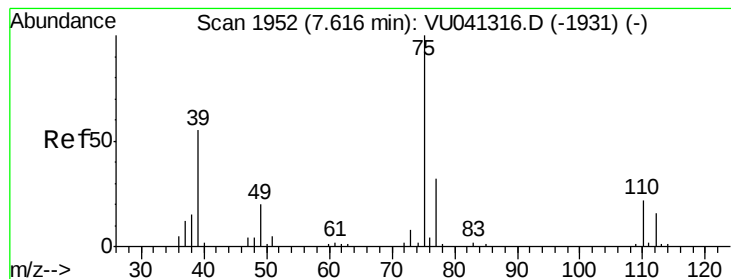
Tot Ion: 63 Resp: 27534
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.618 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041339.D
 Acq: 19 Nov 2020 13:19

Tgt Ion: 83 Resp: 38067
 Ion Ratio Lower Upper
 83 100
 85 60.3 43.3 80.3
 127 9.1 5.9 8.9#





#39

cis-1,3-Dichloropropene

Concen: 5.278 ug/L

RT: 7.61 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VU041339.D

Acq: 19 Nov 2020 13:19

Instrument :

MSVOA_U

ClientSampleId :

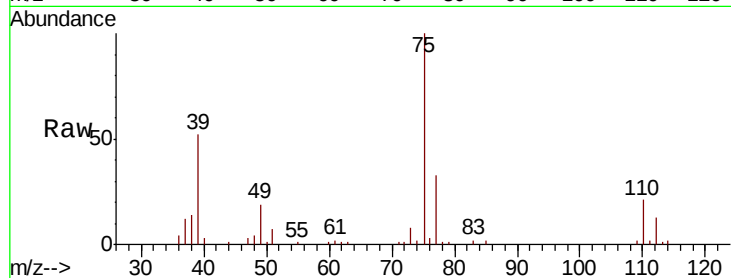
VSTD00529

Tot Ion: 75 Resp: 38163

Ion Ratio Lower Upper

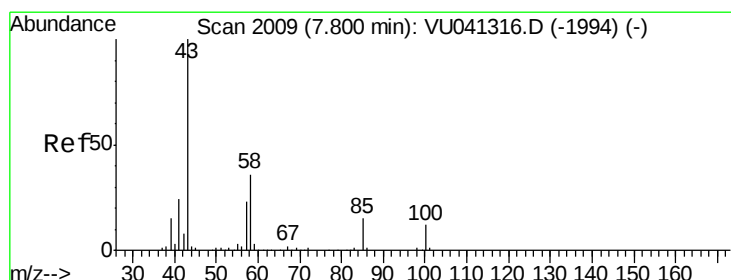
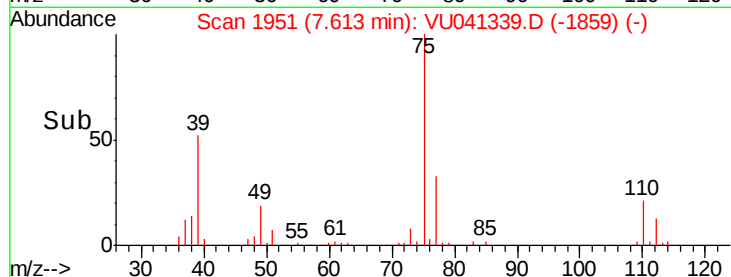
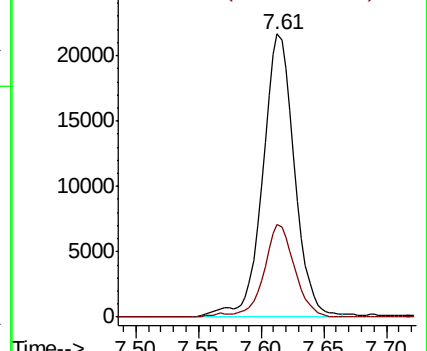
75 100

77 32.7 22.7 42.3



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: 48.007 ug/L

RT: 7.80 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU041339.D

Acq: 19 Nov 2020 13:19

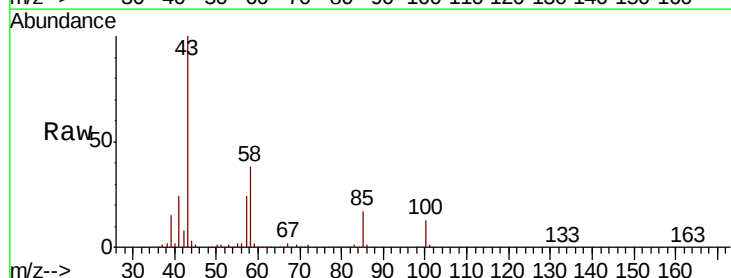
Tgt Ion: 43 Resp: 205953

Ion Ratio Lower Upper

43 100

58 37.8 29.8 44.6

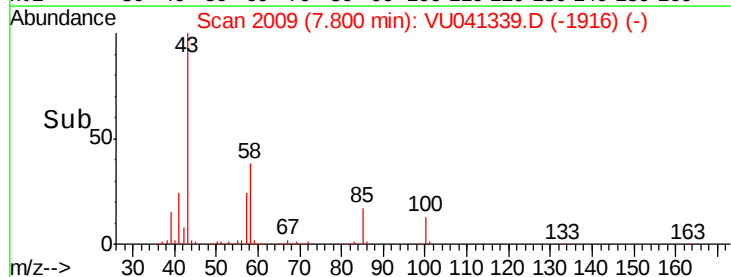
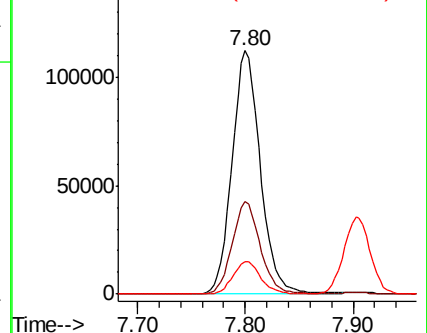
100 13.2 10.5 15.7

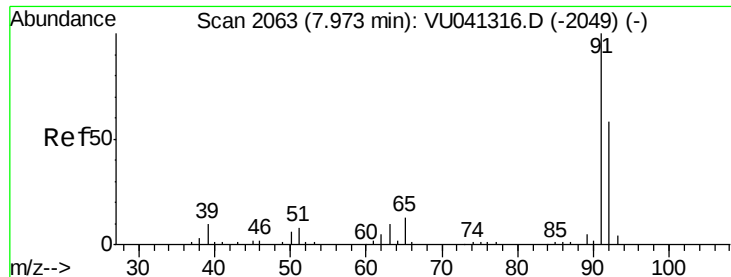


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 100.15 (99.85 to 100.85): VU0





#42

Toluene

Concen: 5.477 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041339.D

Acq: 19 Nov 2020 13:19

Instrument :

MSVOA_U

ClientSampleId :

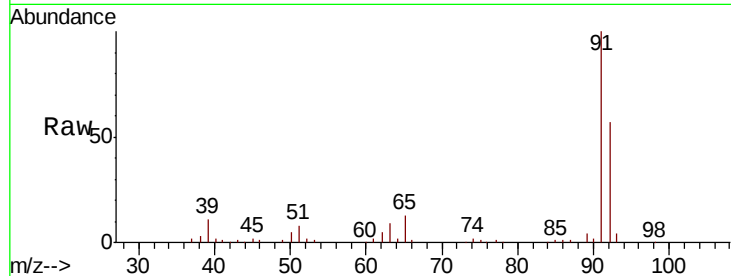
VSTD00529

Tot Ion: 91 Resp: 103815

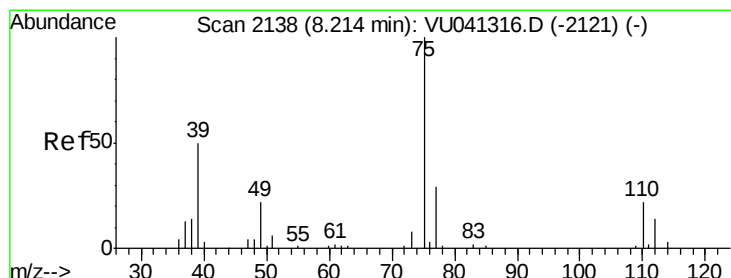
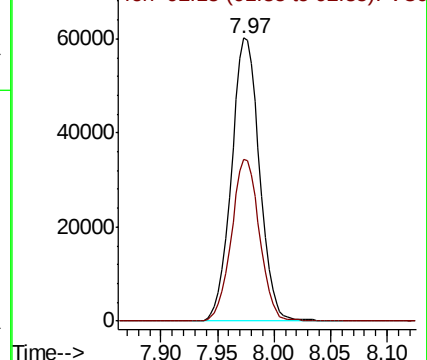
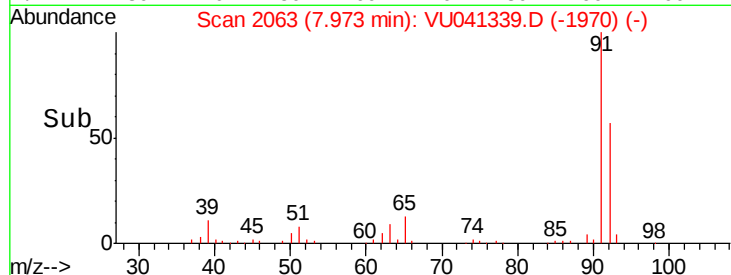
Ion Ratio Lower Upper

91 100

92 57.3 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU041339.D (-1970) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.341 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041339.D

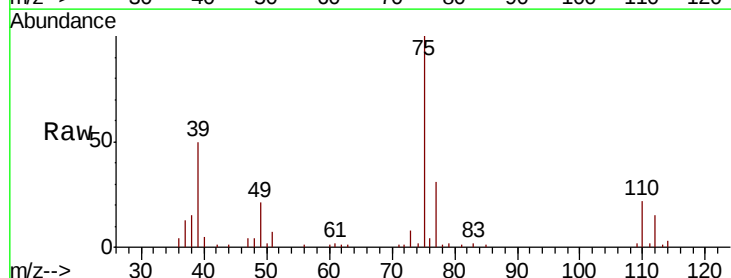
Acq: 19 Nov 2020 13:19

Tgt Ion: 75 Resp: 36528

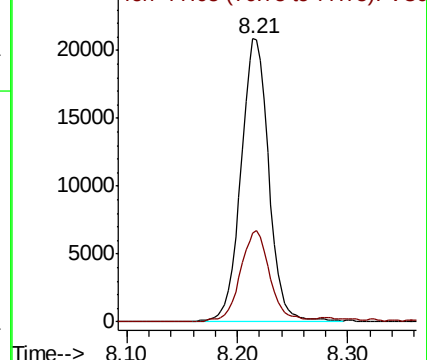
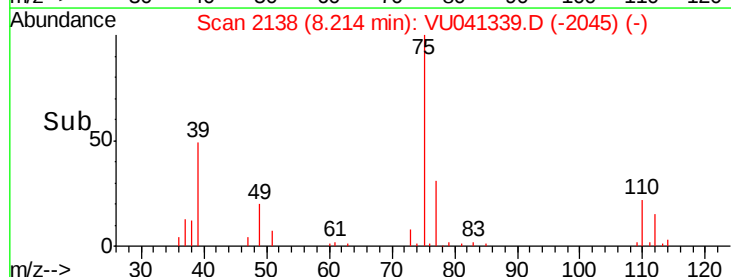
Ion Ratio Lower Upper

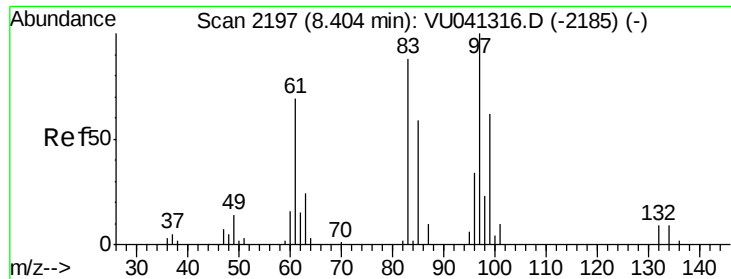
75 100

77 31.4 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU041339.D (-2045) (-)

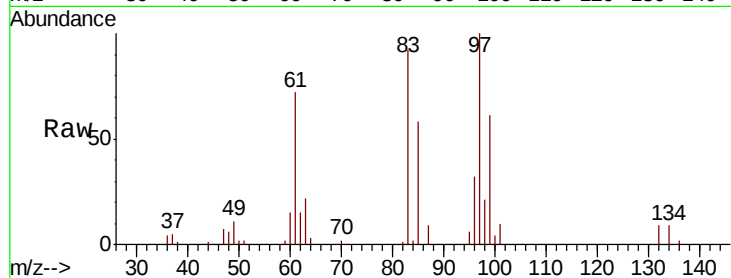




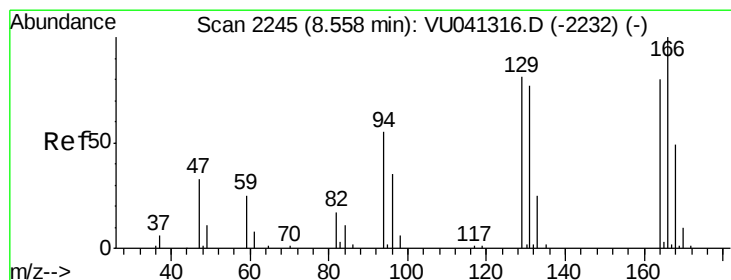
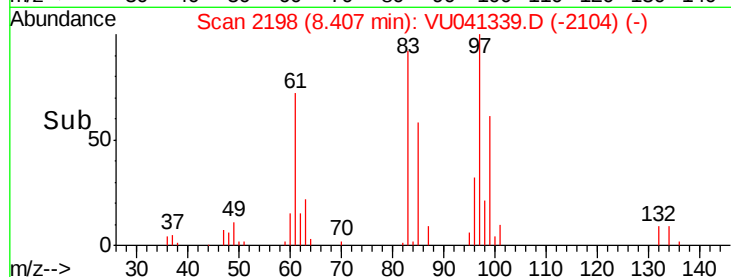
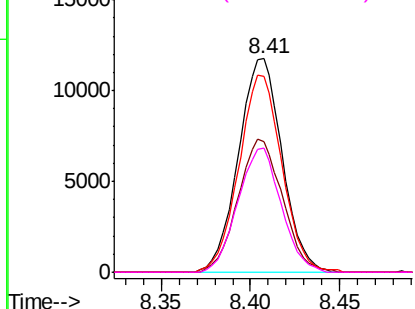
#45
1,1,2-Trichloroethane
Concen: 5.021 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VU041339.D
Acq: 19 Nov 2020 13:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tot Ion:	97	Resp:	20129
Ion	Ratio	Lower	Upper
97	100		
99	61.3	45.8	85.2
83	91.6	67.9	126.1
85	58.2	42.8	79.6

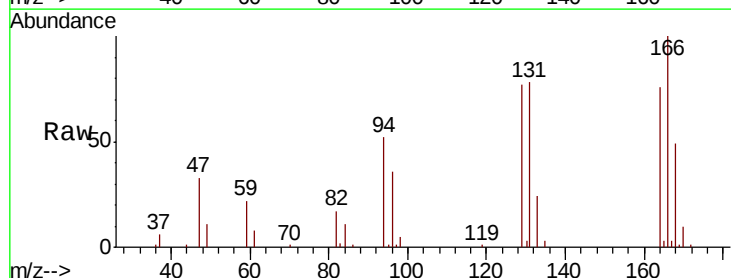


Abundance Ion 96.95 (96.65 to 97.65): VU041339.D (-2185) (-)
Ion 99.05 (98.75 to 99.75): VU041339.D (-2185) (-)
Ion 82.95 (82.65 to 83.65): VU041339.D (-2185) (-)
Ion 85.00 (84.70 to 85.70): VU041339.D (-2185) (-)

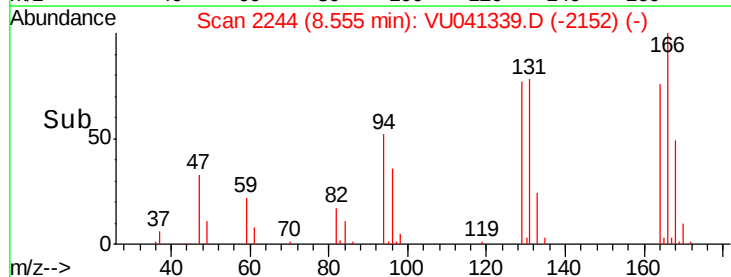
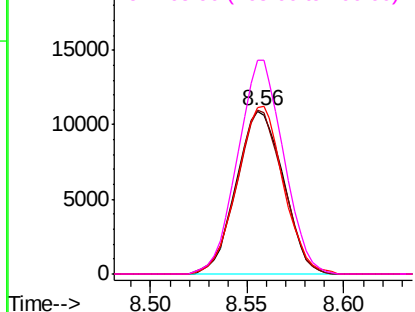


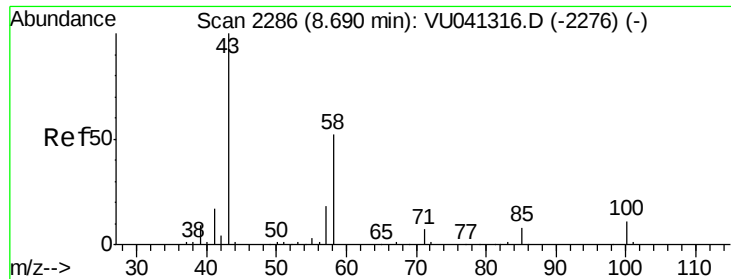
#47
Tetrachloroethene
Concen: 5.211 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU041339.D
Acq: 19 Nov 2020 13:19

Tgt Ion:	164	Resp:	18455
Ion	Ratio	Lower	Upper
164	100		
129	100.5	70.3	130.7
131	102.4	70.8	131.4
166	131.3	92.0	170.8



Abundance Ion 163.90 (163.60 to 164.60): VU041339.D (-2232) (-)
Ion 128.95 (128.65 to 129.65): VU041339.D (-2232) (-)
Ion 130.95 (130.65 to 131.65): VU041339.D (-2232) (-)
Ion 165.90 (165.60 to 166.60): VU041339.D (-2232) (-)

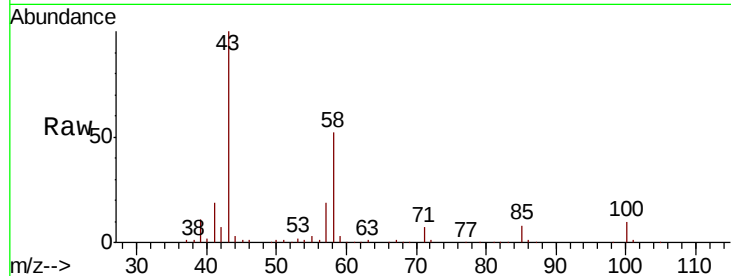




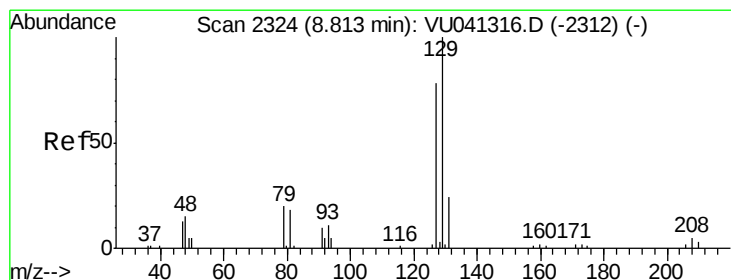
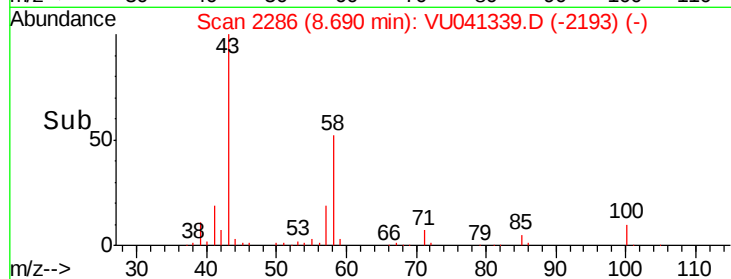
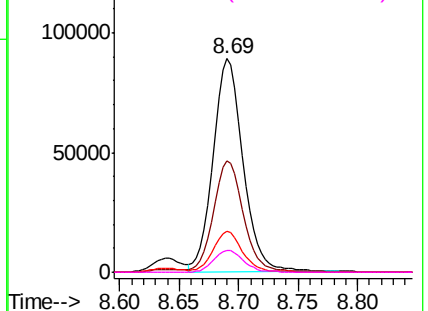
#48
2-Hexanone
Concen: 48.522 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU041339.D
Acq: 19 Nov 2020 13:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tot Ion: 43 Resp: 155389
Ion Ratio Lower Upper
43 100
58 51.5 41.4 62.2
57 19.3 14.6 21.8
100 10.2 8.3 12.5

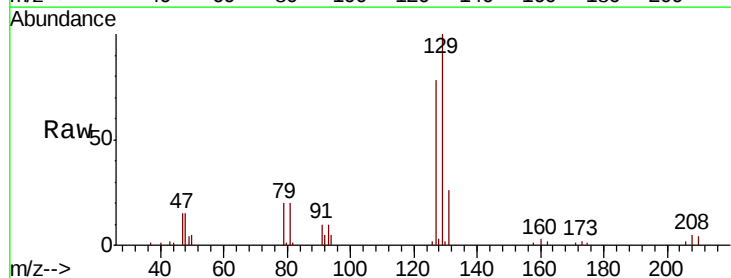


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

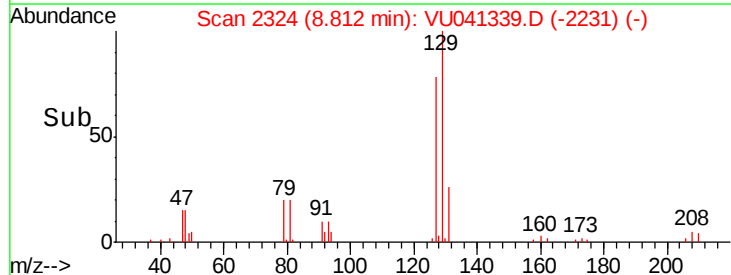
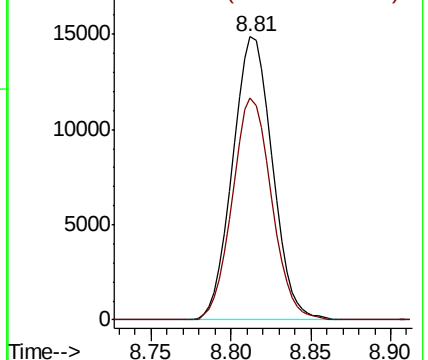


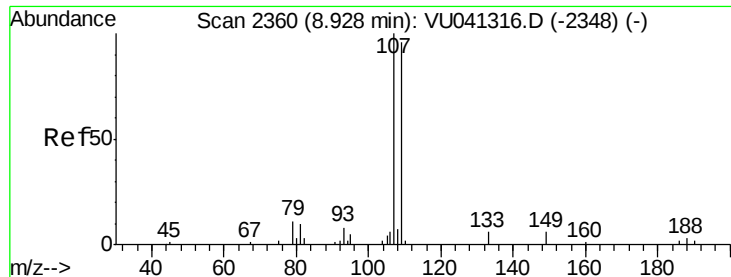
#49
Dibromochloromethane
Concen: 5.315 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041339.D
Acq: 19 Nov 2020 13:19

Tgt Ion: 129 Resp: 25250
Ion Ratio Lower Upper
129 100
127 78.5 53.4 99.2



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

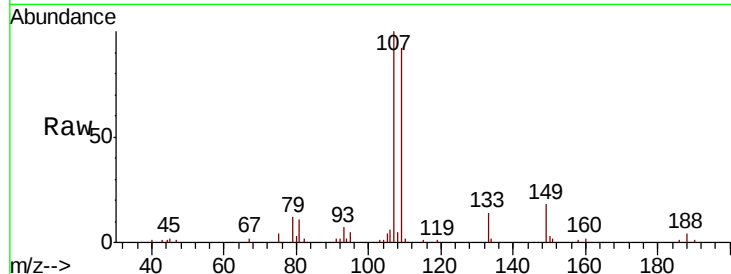




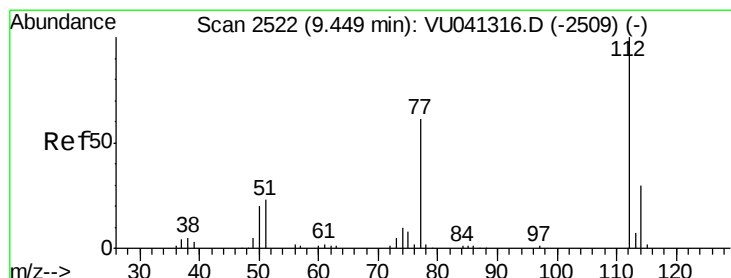
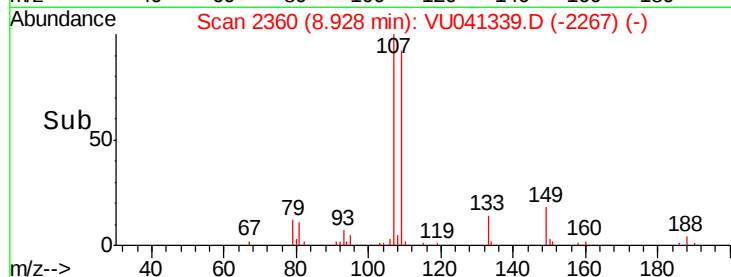
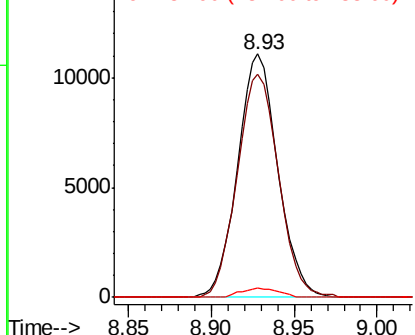
#50
1,2-Dibromoethane
Concen: 5.005 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU041339.D
Acq: 19 Nov 2020 13:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.8	65.6	121.8
188	3.7	2.9	4.3

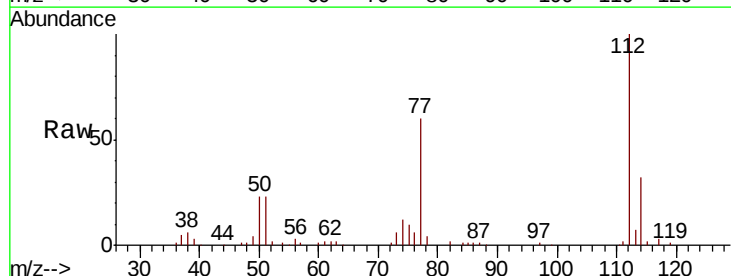


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

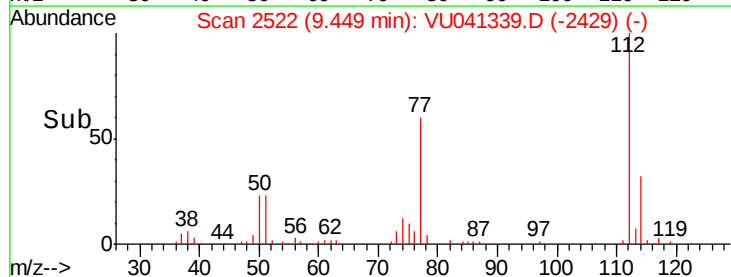
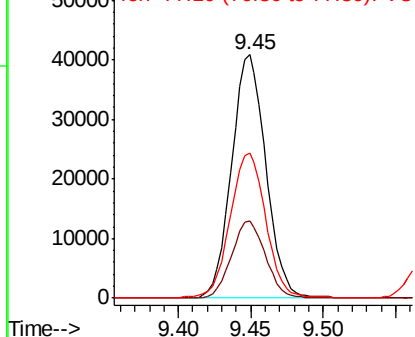


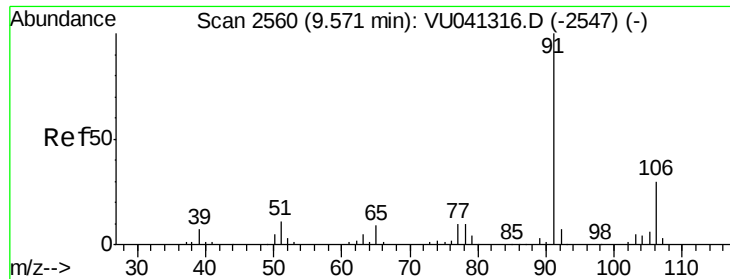
#51
Chlorobenzene
Concen: 5.340 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU041339.D
Acq: 19 Nov 2020 13:19

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.4	41.6
77	59.6	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): VU





#52

Ethylbenzene

Concen: 5.404 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041339.D

Acq: 19 Nov 2020 13:19

Instrument :

MSVOA_U

ClientSampleId :

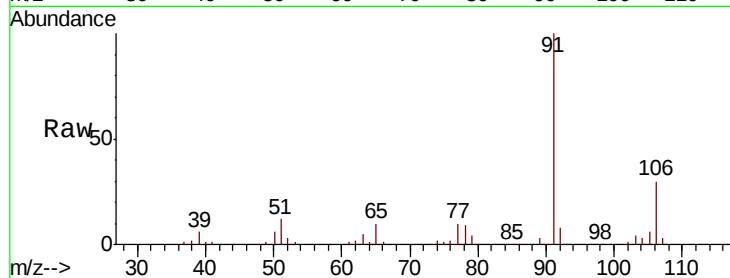
VSTD00529

Tot Ion: 91 Resp: 109389

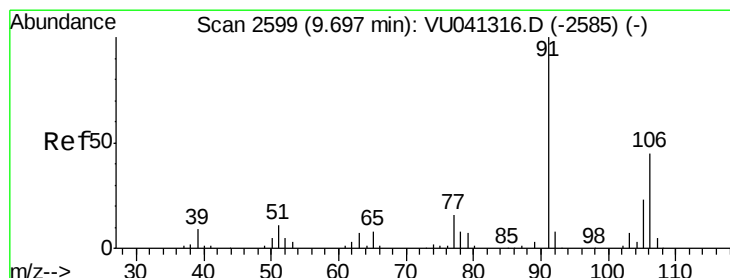
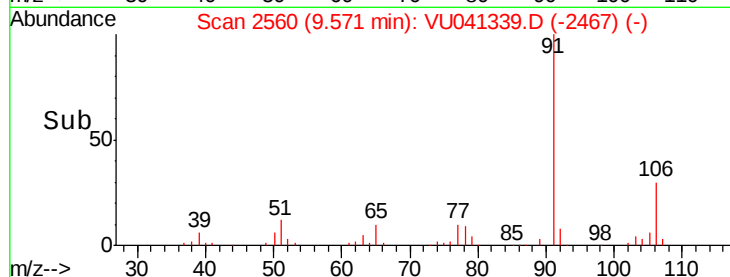
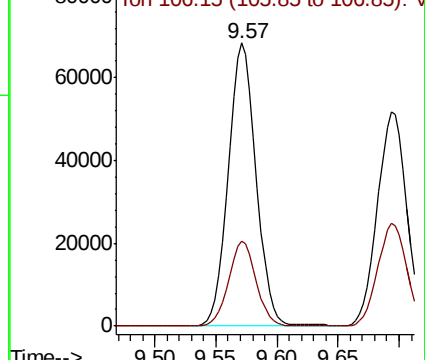
Ion Ratio Lower Upper

91 100

106 30.0 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041339.D (-2547) (-)



#53

m,p-Xylene

Concen: 5.628 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041339.D

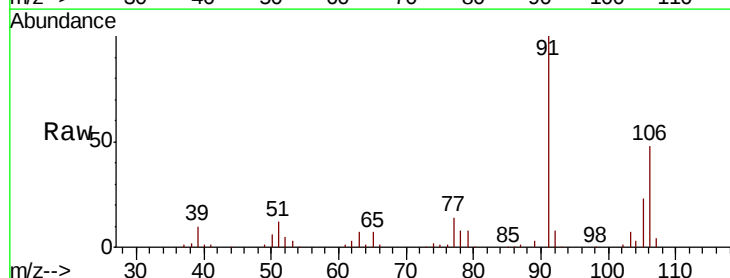
Acq: 19 Nov 2020 13:19

Tgt Ion: 106 Resp: 41169

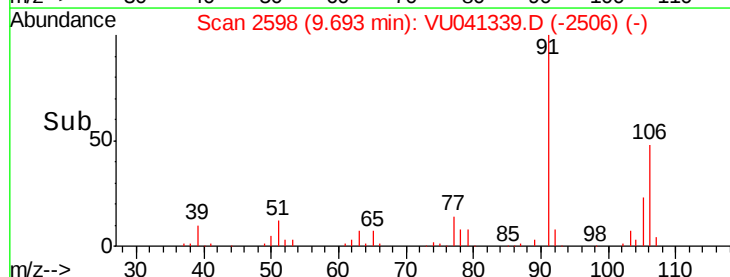
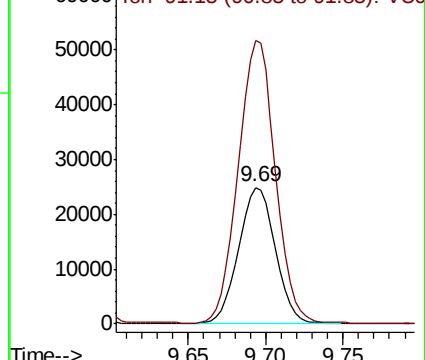
Ion Ratio Lower Upper

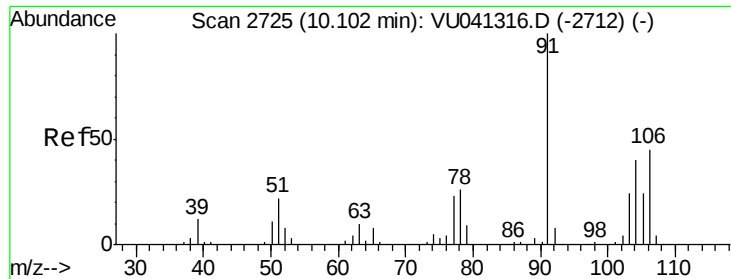
106 100

91 207.5 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041339.D (-2598) (-)

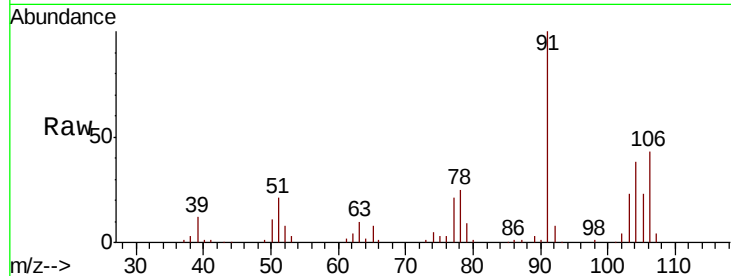




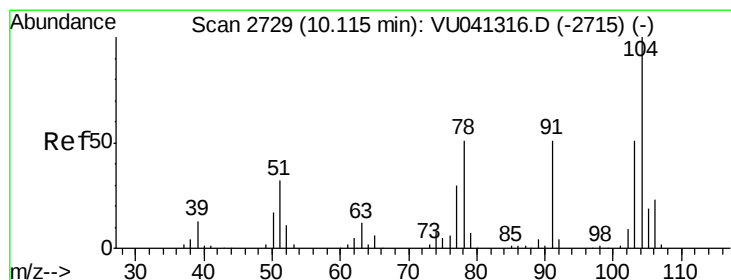
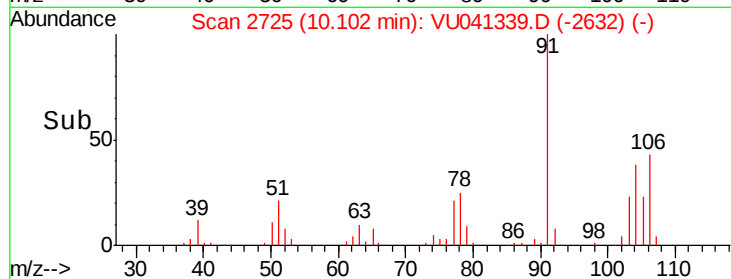
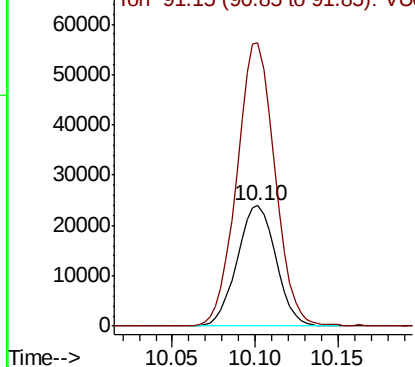
#54
o-Xylene
Concen: 5.523 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU041339.D
Acq: 19 Nov 2020 13:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tot Ion:106 Resp: 38915
Ion Ratio Lower Upper
106 100
91 235.2 154.3 286.5

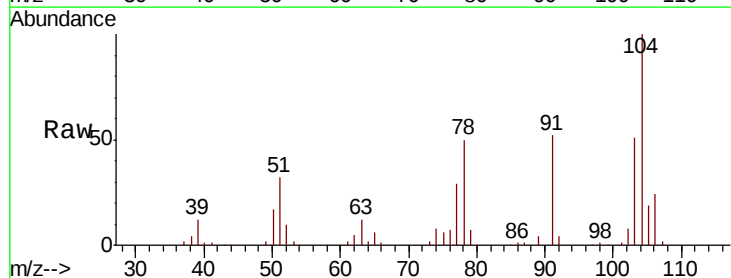


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

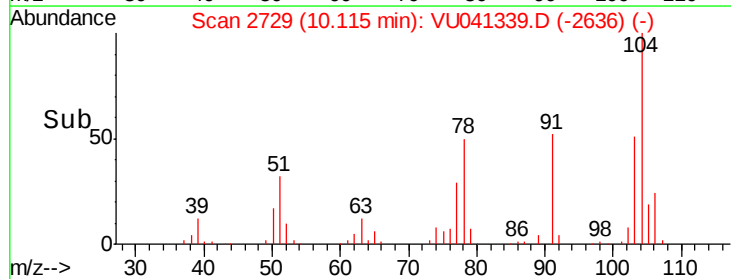
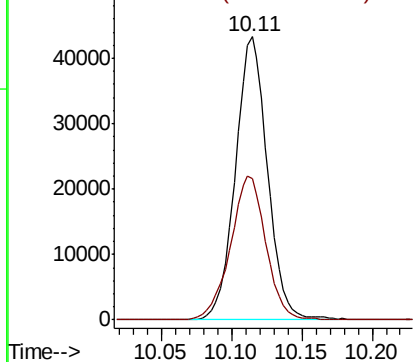


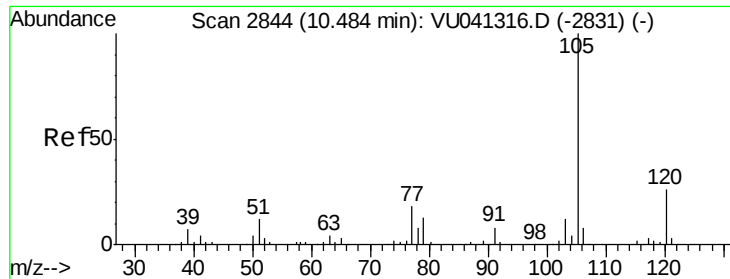
#55
Styrene
Concen: 5.535 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU041339.D
Acq: 19 Nov 2020 13:19

Tgt Ion:104 Resp: 69058
Ion Ratio Lower Upper
104 100
78 49.7 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: 5.952 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU041339.D

Acq: 19 Nov 2020 13:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

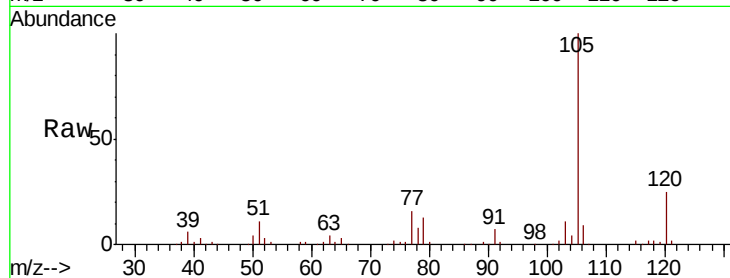
Tot Ion:105 Resp: 111096

Ion Ratio Lower Upper

105 100

120 25.1 20.7 31.1

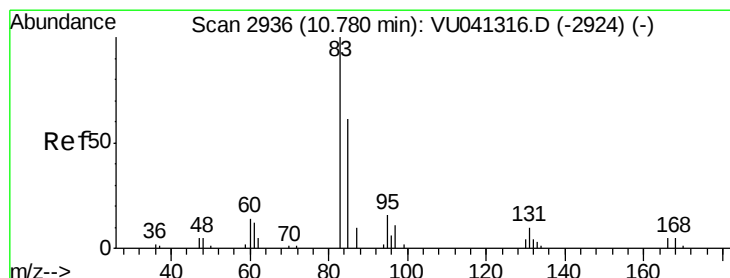
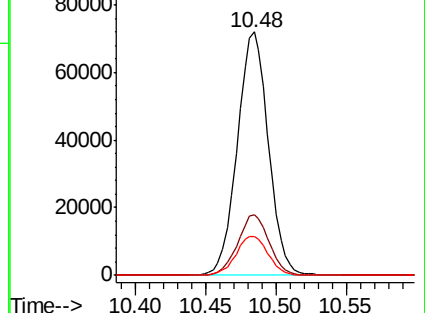
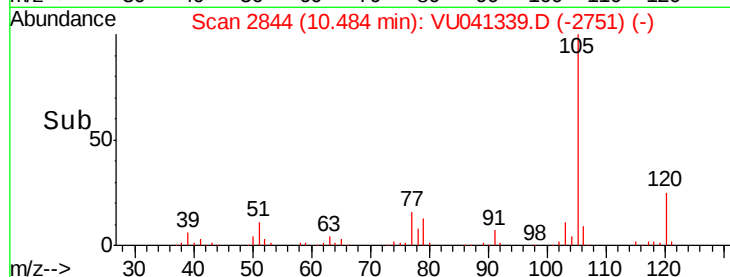
77 16.7 13.8 20.6



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: 5.006 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041339.D

Acq: 19 Nov 2020 13:19

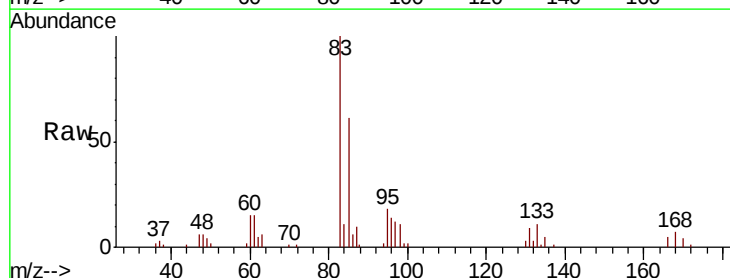
Tgt Ion: 83 Resp: 26235

Ion Ratio Lower Upper

83 100

85 60.8 44.4 82.4

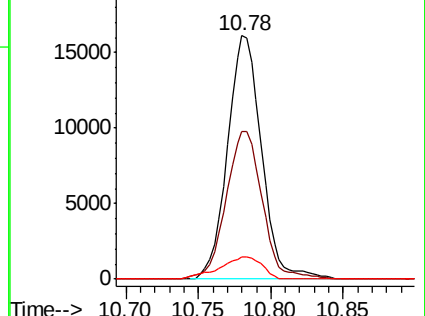
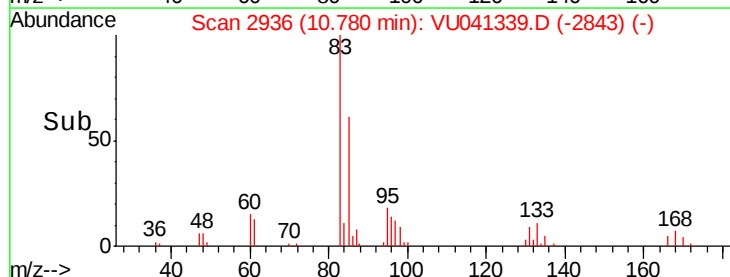
131 8.9 7.7 11.5

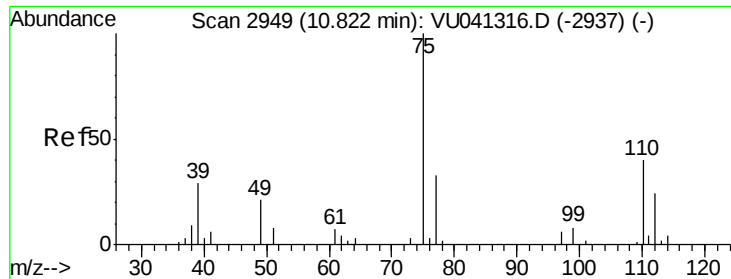


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

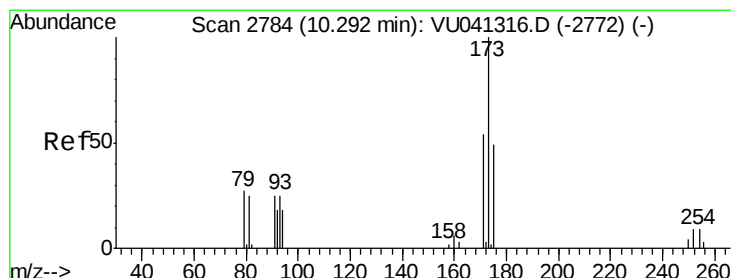
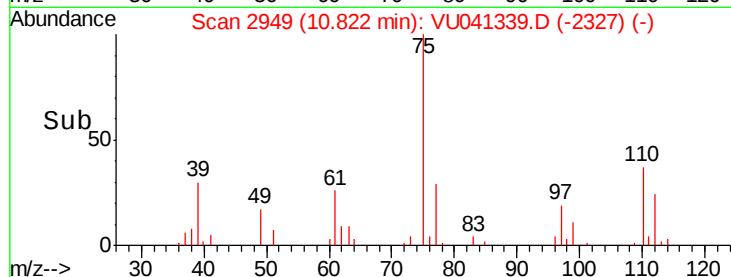
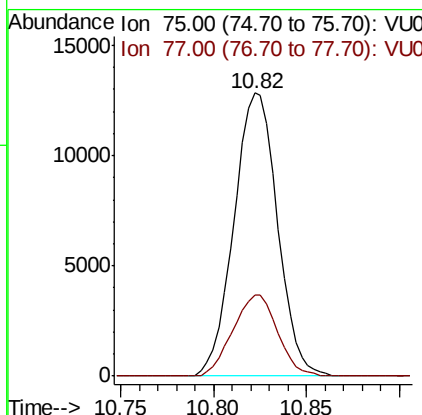
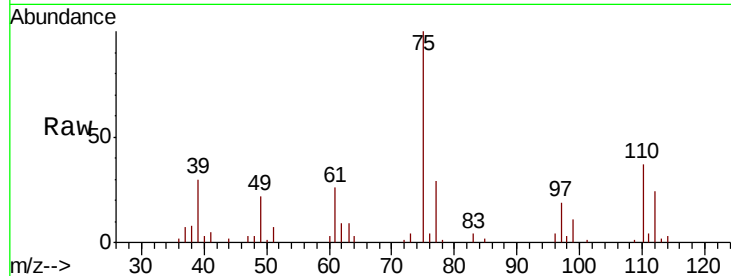




#59
 1,2,3-Trichloropropane
 Concen: 5.112 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU041339.D
 Acq: 19 Nov 2020 13:19

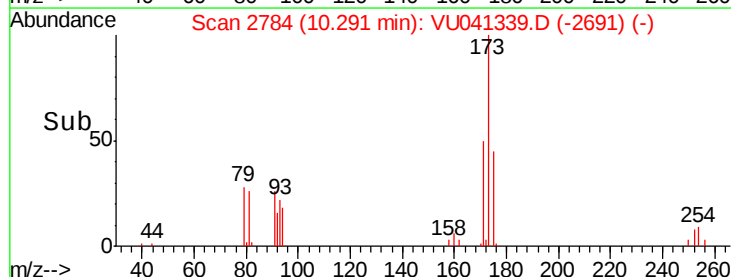
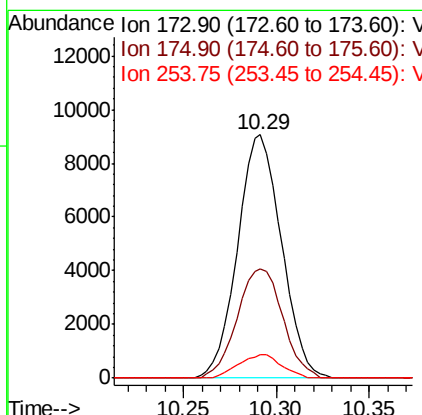
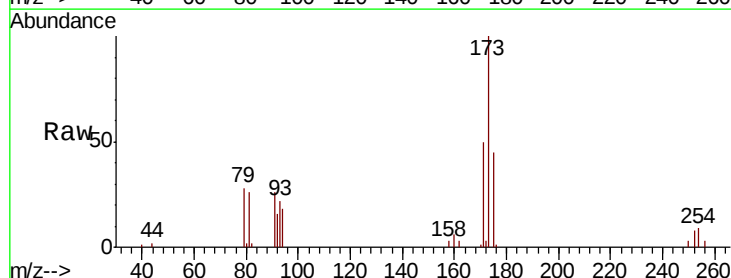
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

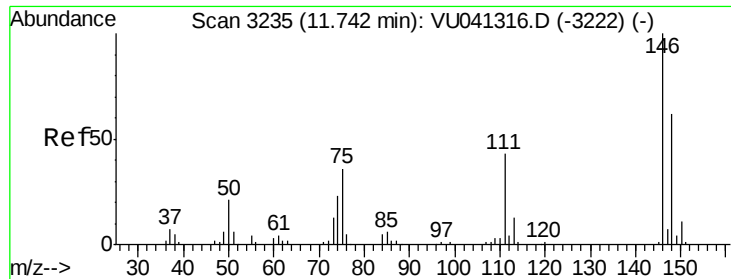
Tot Ion: 75 Resp: 20900
 Ion Ratio Lower Upper
 75 100
 77 29.4 25.7 38.5



#61
 Bromoform
 Concen: 4.857 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU041339.D
 Acq: 19 Nov 2020 13:19

Tgt Ion: 173 Resp: 14928
 Ion Ratio Lower Upper
 173 100
 175 46.5 37.6 56.4
 254 9.5 6.6 9.8

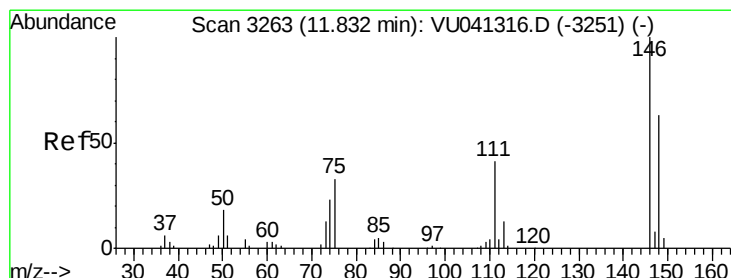
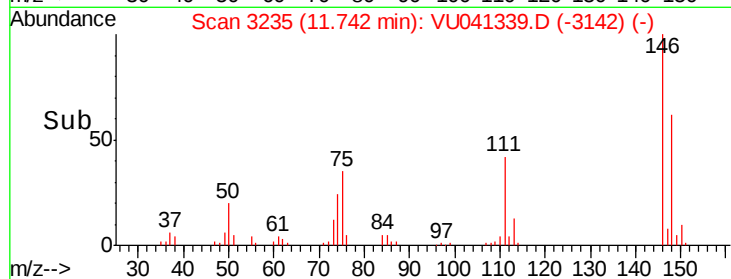
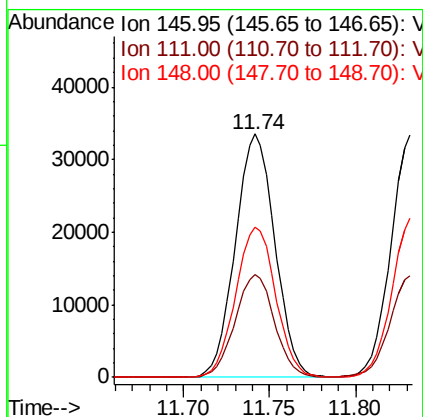
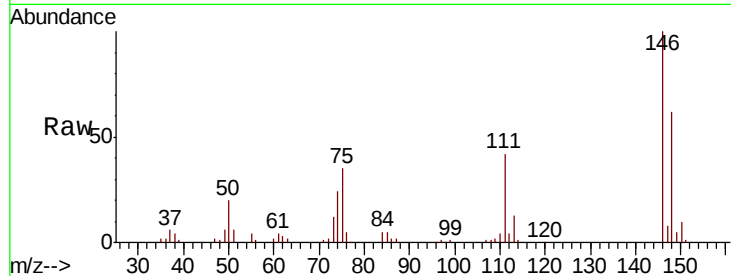




#62
 1,3-Dichlorobenzene
 Concen: 5.291 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU041339.D
 Acq: 19 Nov 2020 13:19

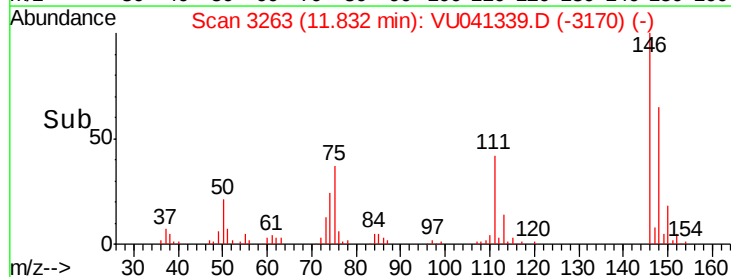
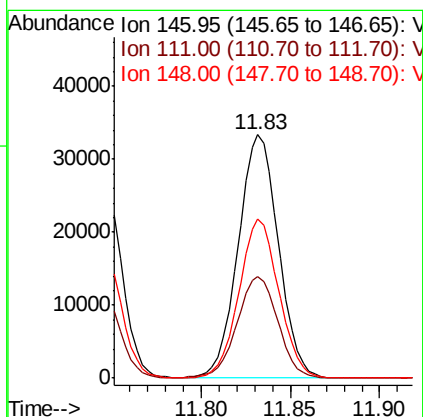
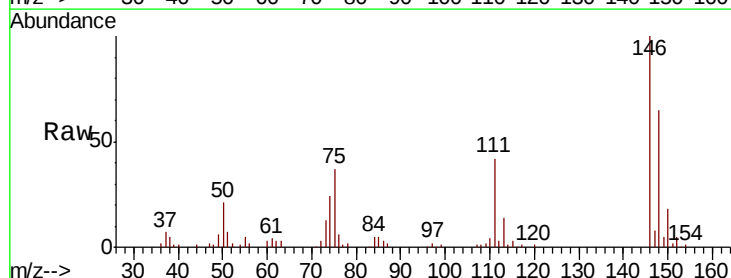
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

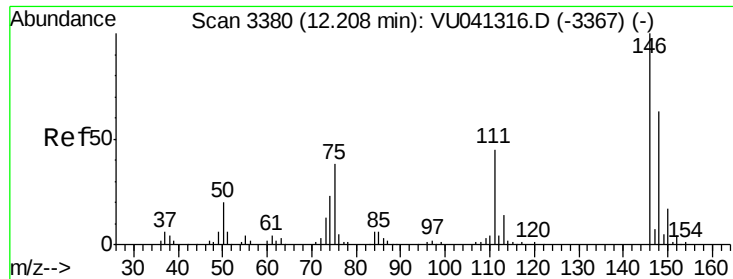
Tot Ion:146 Resp: 53434
 Ion Ratio Lower Upper
 146 100
 111 42.0 30.9 57.3
 148 61.7 45.8 85.2



#63
 1,4-Dichlorobenzene
 Concen: 5.053 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041339.D
 Acq: 19 Nov 2020 13:19

Tgt Ion:146 Resp: 52586
 Ion Ratio Lower Upper
 146 100
 111 41.9 28.3 52.7
 148 65.5 44.2 82.2





#65

1,2-Dichlorobenzene

Concen: 5.139 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VU041339.D

Acq: 19 Nov 2020 13:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

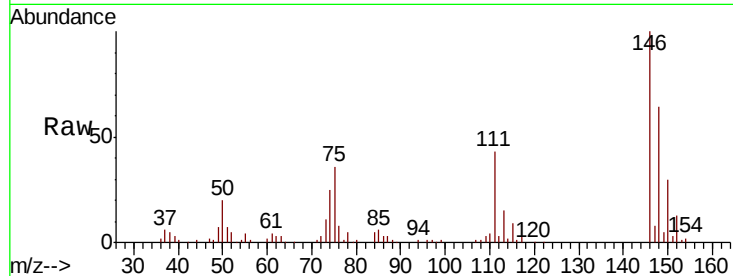
Tot Ion:146 Resp: 51621

Ion Ratio Lower Upper

146 100

111 42.8 35.0 52.6

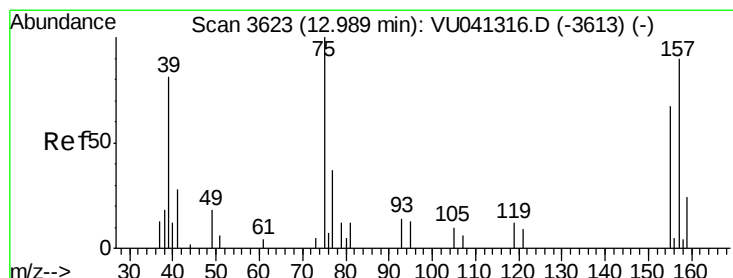
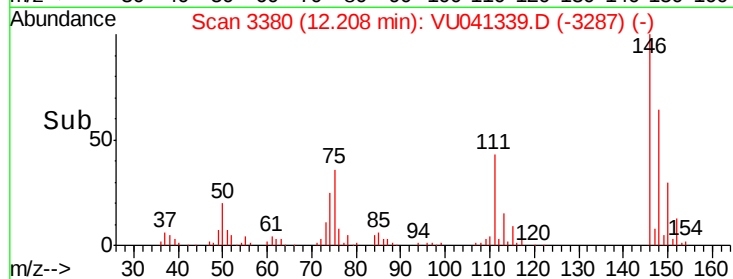
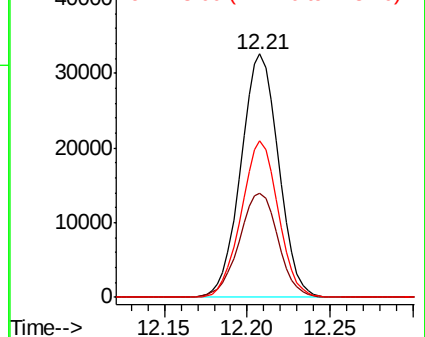
148 64.2 52.0 78.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.016 ug/L

RT: 12.99 min Scan# 3624

Delta R.T. 0.00 min

Lab File: VU041339.D

Acq: 19 Nov 2020 13:19

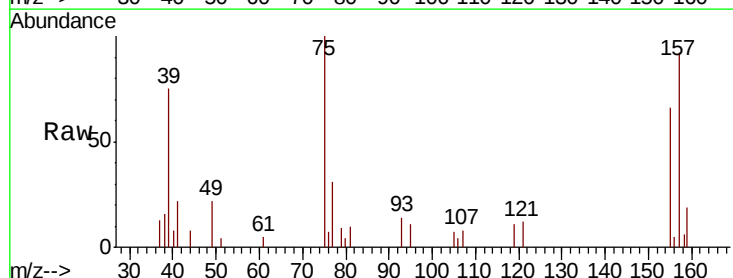
Tgt Ion: 75 Resp: 4678

Ion Ratio Lower Upper

75 100

155 66.5 61.4 92.2

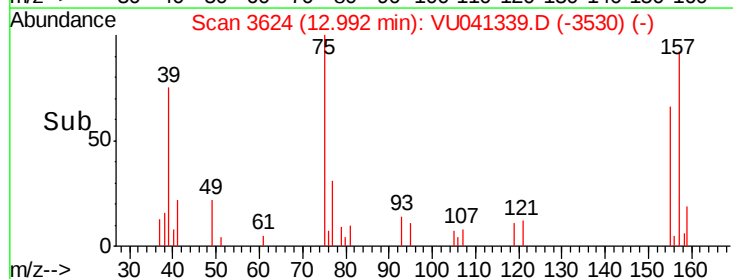
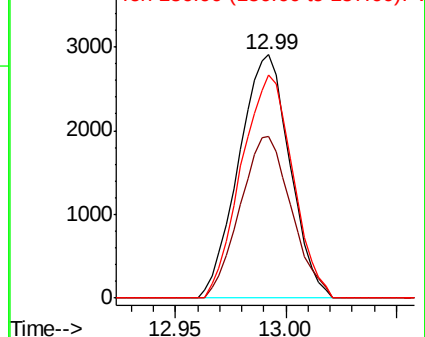
157 91.6 74.2 111.4

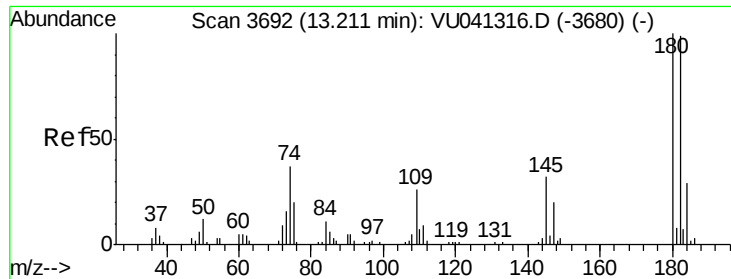


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

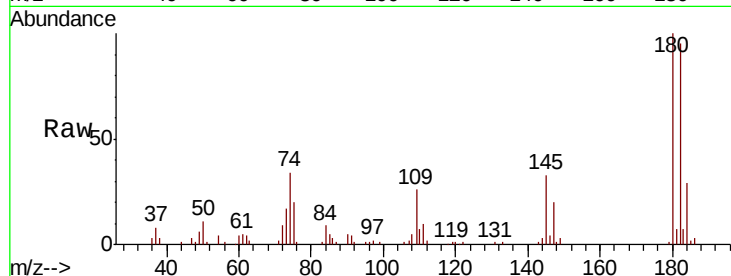




#67
 1,3,5-Trichlorobenzene
 Concen: 5.167 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU041339.D
 Acq: 19 Nov 2020 13:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	75.7	113.5
184	30.1	23.7	35.5
145	32.9	26.1	39.1



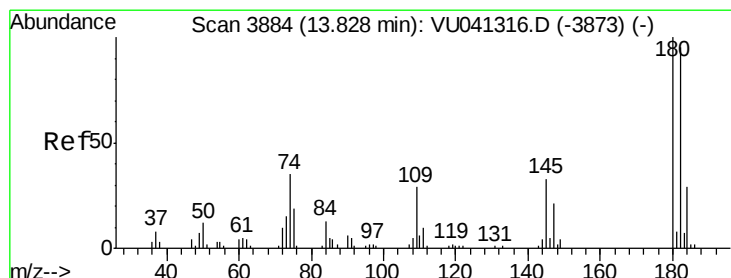
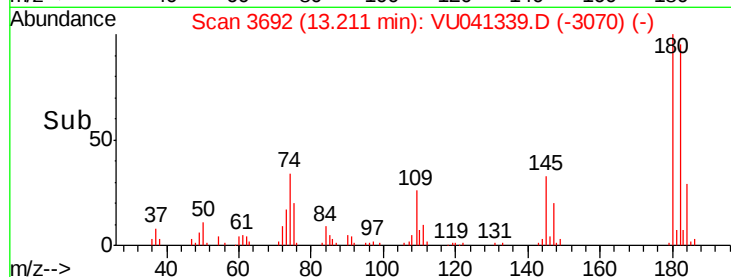
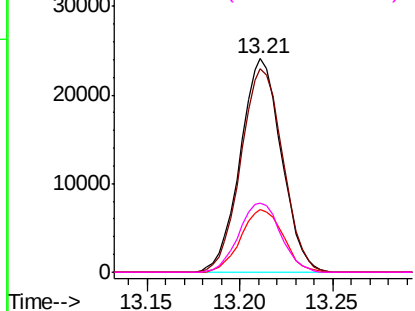
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

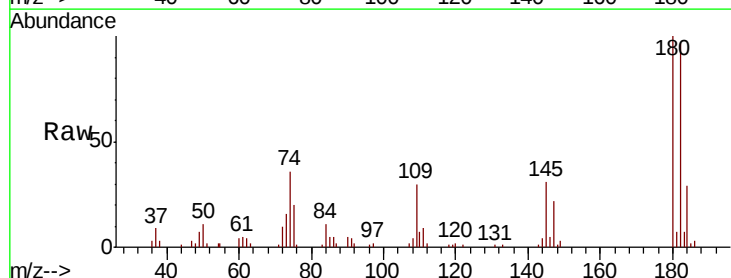
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.832 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041339.D
 Acq: 19 Nov 2020 13:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	73.5	110.3
145	31.7	26.6	40.0

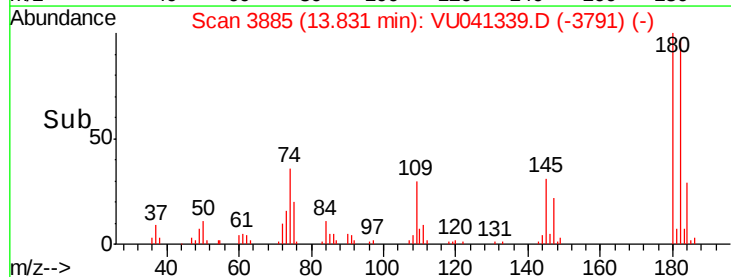
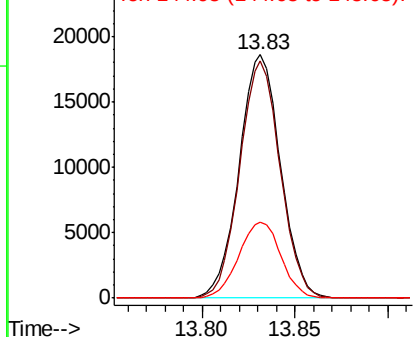


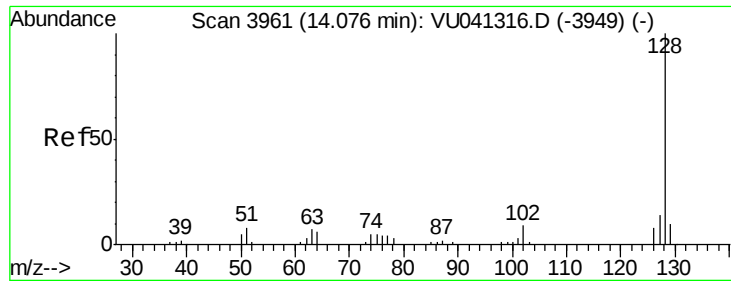
Abundance

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

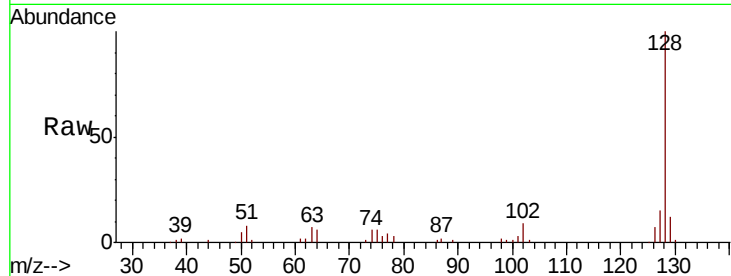




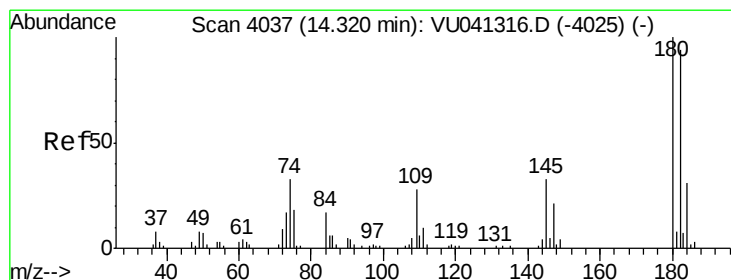
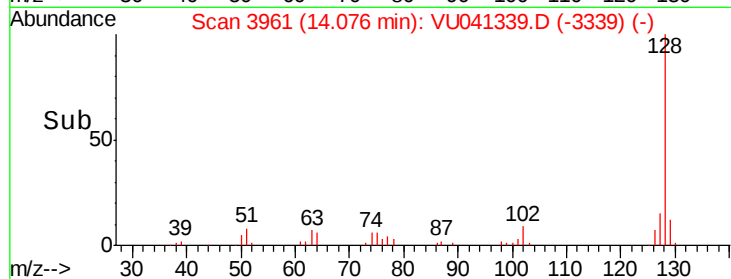
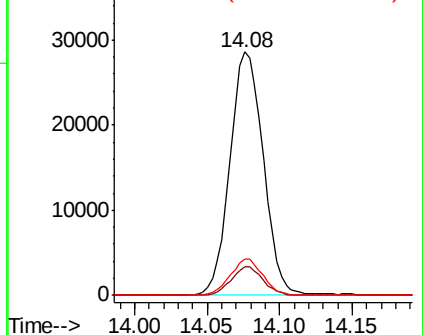
#69
Naphthalene
Concen: 4.737 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU041339.D
Acq: 19 Nov 2020 13:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tot Ion:128 Resp: 45826
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 14.5 10.8 16.2

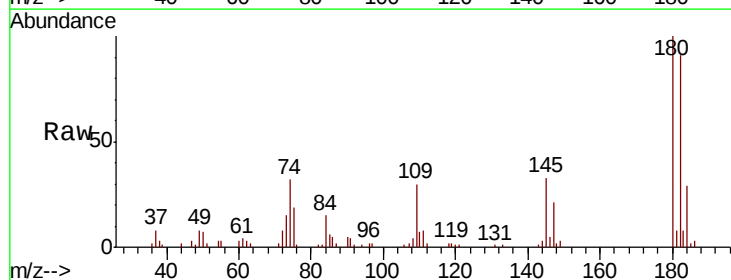


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70
1,2,3-Trichlorobenzene
Concen: 5.025 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. -0.00 min
Lab File: VU041339.D
Acq: 19 Nov 2020 13:19

Tgt Ion:180 Resp: 27880
Ion Ratio Lower Upper
180 100
182 93.3 77.7 116.5
145 34.2 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

