

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121820\
 Data File : VU041666.D
 Acq On : 18 Dec 2020 09:04
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Quant Time: Dec 19 04:07:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 16 14:35:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	132671	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	120063	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	68457	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	36637	3.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.60%
7) Chloroethane-d5	1.92	69	35333	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.00%
11) 1,1-Dichloroethene-d2	2.58	63	79783	4.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.60%
20) 2-Butanone-d5	4.66	46	149037	50.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.04%
24) Chloroform-d	5.08	84	80225	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
26) 1,2-Dichloroethane-d4	5.71	65	46717	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	5.74	84	159726	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.70	67	49526	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.80%
41) Toluene-d8	7.90	98	146291	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
43) trans-1,3-Dichloropropene-	8.18	79	22137	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.64	63	138585	52.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.60%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	52472	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	54120	4.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	56252	5.005 ug/L	98
3) Chloromethane	1.53	50	47421	4.343 ug/L	98
5) Vinyl chloride	1.61	62	55345	4.590 ug/L	99
6) Bromomethane	1.86	94	39777	5.276 ug/L	99
8) Chloroethane	1.94	64	37051	4.524 ug/L	97
9) Trichlorofluoromethane	2.15	101	83335	5.461 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	47103	5.161 ug/L	95
12) 1,1-Dichloroethene	2.59	96	45582	5.065 ug/L	87
13) Acetone	2.67	43	30886	16.298 ug/L	93
14) Carbon disulfide	2.81	76	143778	4.623 ug/L	99
15) Methyl Acetate	2.97	43	23640	4.798 ug/L	98
16) Methylene chloride	3.06	84	50847	4.730 ug/L	93
17) Methyl tert-butyl Ether	3.38	73	126663	5.275 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	47048	5.054 ug/L	96
19) 1,1-Dichloroethane	3.89	63	84132	4.835 ug/L	98
21) 2-Butanone	4.74	43	157441	51.004 ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	50272	4.886 ug/L	100

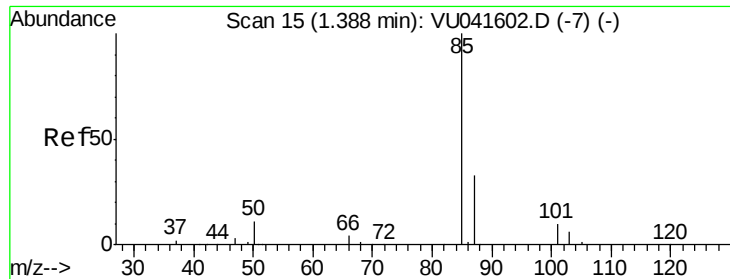
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121820\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 16 14:35:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	25368	5.367	uq/L	91
25) Chloroform	5.10	83	87585	4.999	uq/L	97
27) 1,2-Dichloroethane	5.81	62	60630	5.110	uq/L	99
29) 1,1,1-Trichloroethane	5.33	97	76617	5.557	uq/L	98
30) Cyclohexane	5.40	56	76594	4.956	uq/L	92
31) Carbon tetrachloride	5.54	117	69053	5.792	uq/L	100
33) Benzene	5.78	78	205205	5.344	uq/L	100
34) Trichloroethene	6.55	95	50555	5.239	uq/L	95
35) Methylcyclohexane	6.77	83	79520	5.098	uq/L	98
37) 1,2-Dichloropropane	6.80	63	48743	4.963	uq/L	100
38) Bromodichloromethane	7.11	83	64894	5.311	uq/L	99
39) cis-1,3-Dichloropropene	7.61	75	75536	5.190	uq/L	100
40) 4-Methyl-2-pentanone	7.80	43	369316	52.845	uq/L	97
42) Toluene	7.97	91	208176	5.251	uq/L	100
44) trans-1,3-Dichloropropene	8.21	75	71756	5.514	uq/L	97
45) 1,1,2-Trichloroethane	8.40	97	41825	5.758	uq/L	97
47) Tetrachloroethene	8.56	164	38541	5.706	uq/L	96
48) 2-Hexanone	8.69	43	273817	53.835	uq/L	97
49) Dibromochloromethane	8.81	129	48241	5.782	uq/L	97
50) 1,2-Dibromoethane	8.92	107	39953	5.561	uq/L	100
51) Chlorobenzene	9.45	112	129944	5.273	uq/L	98
52) Ethylbenzene	9.57	91	218019	5.165	uq/L	97
53) m,p-Xylene	9.69	106	85198	5.412	uq/L	100
54) o-Xylene	10.10	106	83304	5.402	uq/L	96
55) Styrene	10.11	104	141792	5.323	uq/L	96
56) Isopropylbenzene	10.48	105	230891	5.625	uq/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	57667	5.706	uq/L	98
59) 1,2,3-Trichloropropane	10.82	75	41335	5.604	uq/L	100
61) Bromoform	10.29	173	32411	6.263	uq/L	98
62) 1,3-Dichlorobenzene	11.74	146	113633	5.428	uq/L	98
63) 1,4-Dichlorobenzene	11.83	146	111091	5.277	uq/L	97
65) 1,2-Dichlorobenzene	12.20	146	102284	4.989	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	10249	5.331	uq/L	99
67) 1,3,5-Trichlorobenzene	13.21	180	77219	4.859	uq/L	99
68) 1,2,4-trichlorobenzene	13.83	180	61924	4.643	uq/L	98
69) Naphthalene	14.07	128	118903	4.307	uq/L	99
70) 1,2,3-Trichlorobenzene	14.31	180	57490	4.523	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.005 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041666.D

Acq: 18 Dec 2020 09:04

Instrument :

MSVOA_U

ClientSampleId :

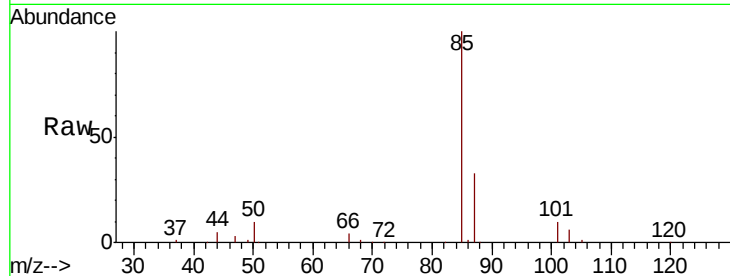
VSTD00519

Tot Ion: 85 Resp: 56252

Ion Ratio Lower Upper

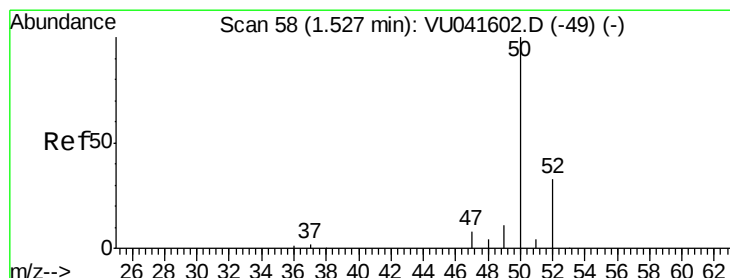
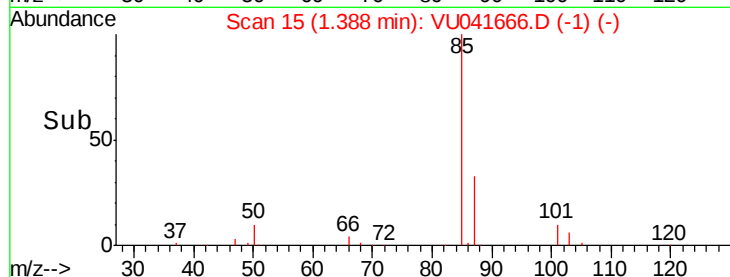
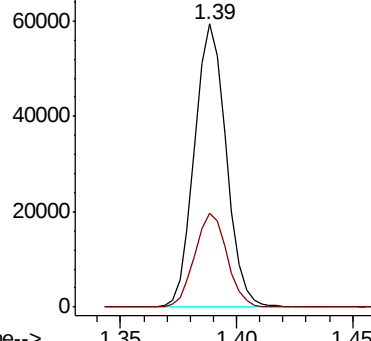
85 100

87 33.5 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.343 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041666.D

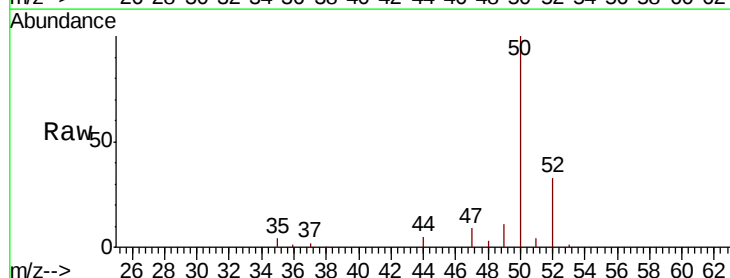
Acq: 18 Dec 2020 09:04

Tgt Ion: 50 Resp: 47421

Ion Ratio Lower Upper

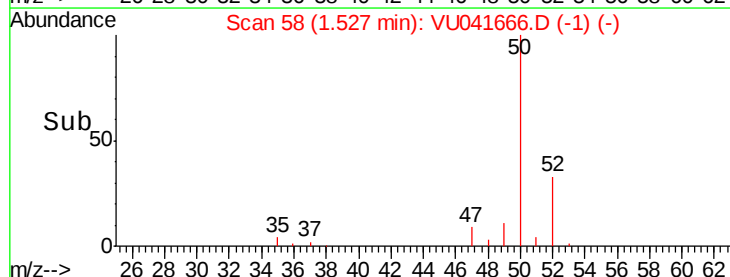
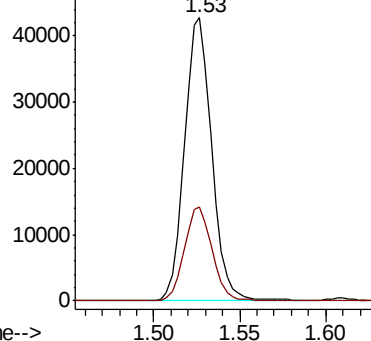
50 100

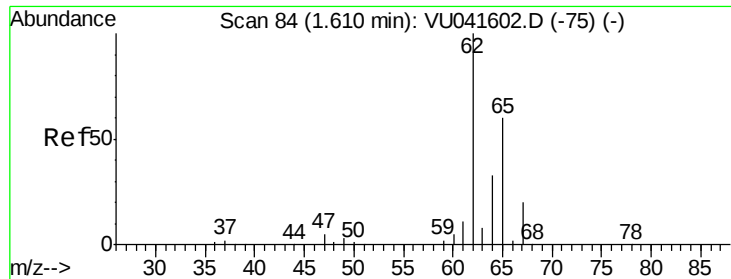
52 33.4 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.590 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041666.D

Acq: 18 Dec 2020 09:04

Instrument :

MSVOA_U

ClientSampleID :

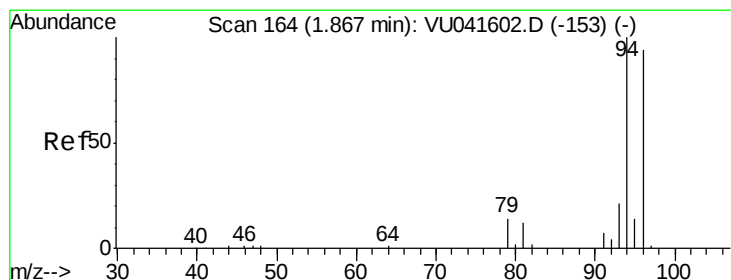
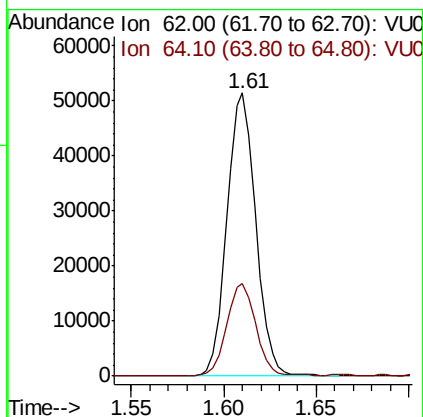
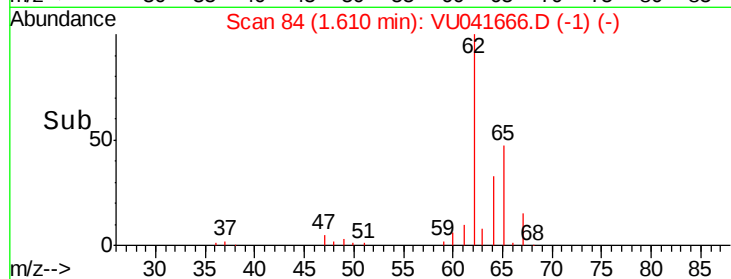
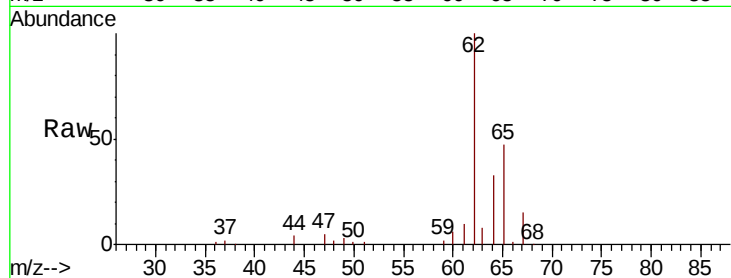
VSTD00519

Tot Ion: 62 Resp: 55345

Ion Ratio Lower Upper

62 100

64 32.8 22.5 41.7



#6

Bromomethane

Concen: 5.276 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU041666.D

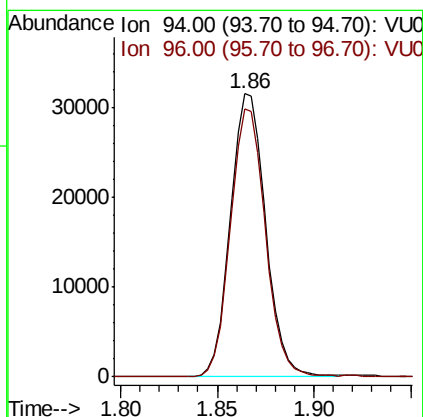
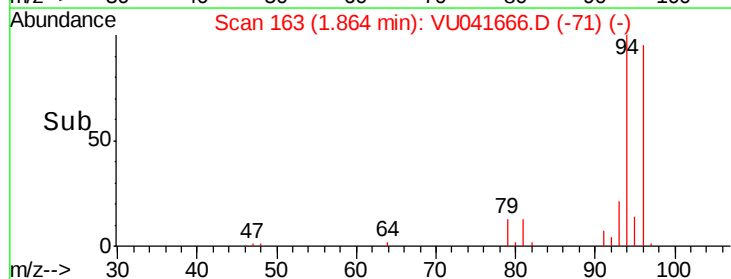
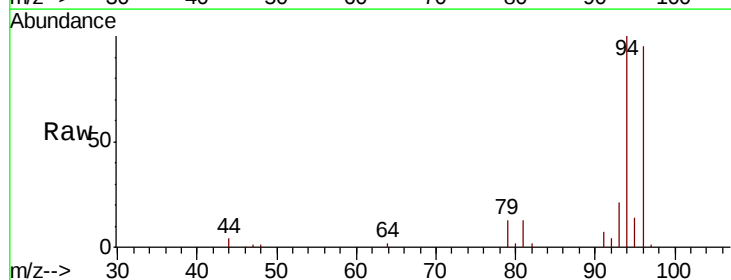
Acq: 18 Dec 2020 09:04

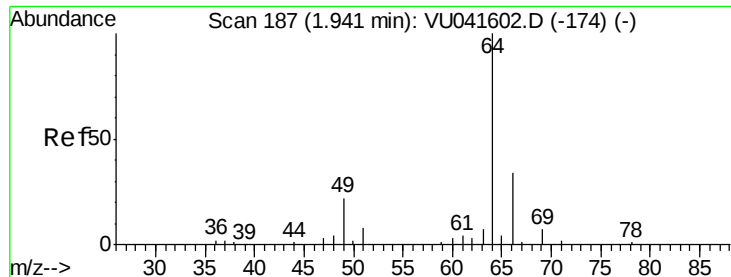
Tgt Ion: 94 Resp: 39777

Ion Ratio Lower Upper

94 100

96 94.8 65.7 121.9





#8

Chloroethane

Concen: 4.524 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU041666.D

Acq: 18 Dec 2020 09:04

Instrument :

MSVOA_U

ClientSampleId :

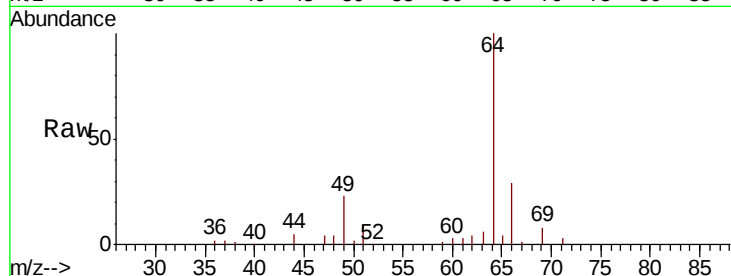
VSTD00519

Tot Ion: 64 Resp: 37051

Ion Ratio Lower Upper

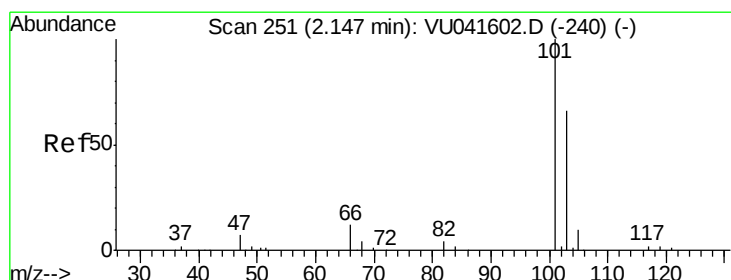
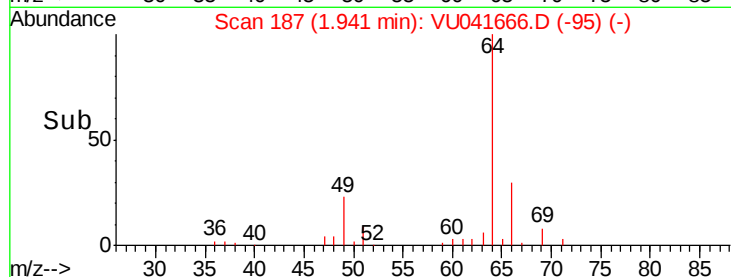
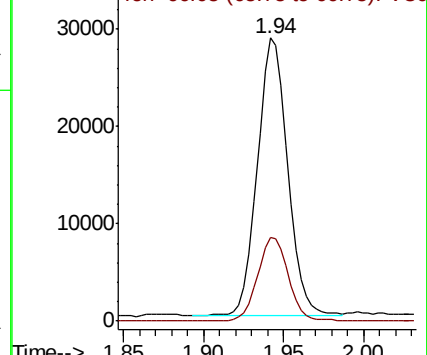
64 100

66 29.4 21.6 40.0



Abundance Ion 64.10 (63.80 to 64.80): VU041602.D (-174) (-)

Ion 66.05 (65.75 to 66.75): VU041602.D (-174) (-)



#9

Trichlorofluoromethane

Concen: 5.461 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU041666.D

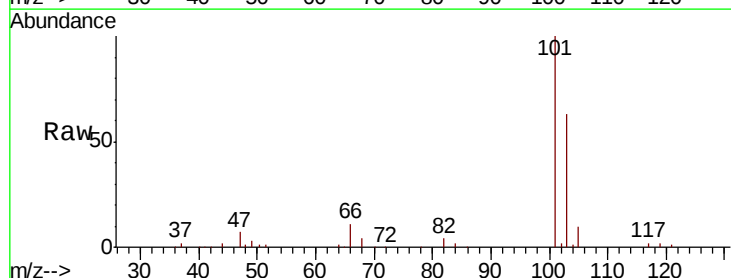
Acq: 18 Dec 2020 09:04

Tgt Ion:101 Resp: 83335

Ion Ratio Lower Upper

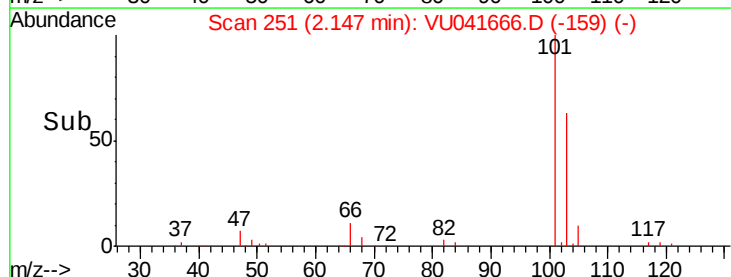
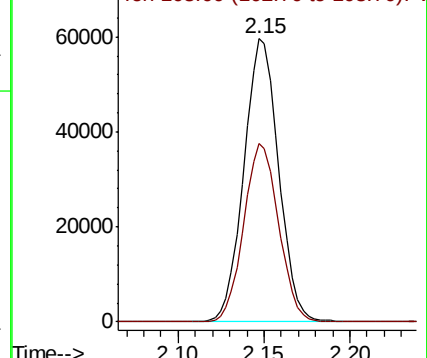
101 100

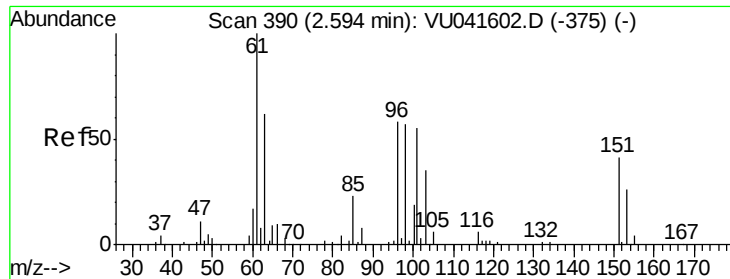
103 63.5 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU041602.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU041602.D (-240) (-)





#10

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

Concen: 5.161 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041666.D

Acq: 18 Dec 2020 09:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

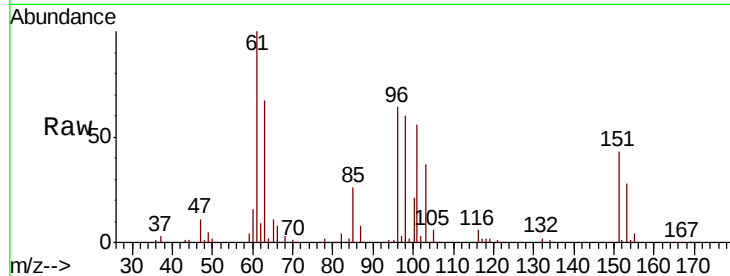
Tot Ion:101 Resp: 47103

Ion Ratio Lower Upper

101 100

85 42.9 33.6 50.4

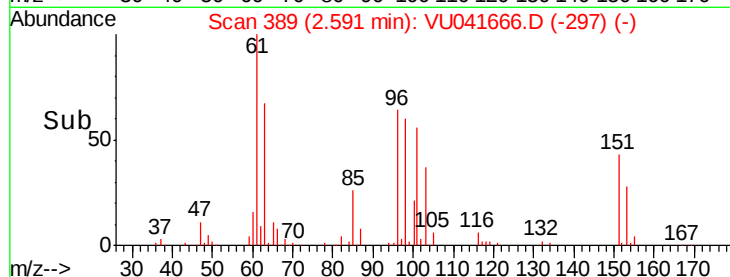
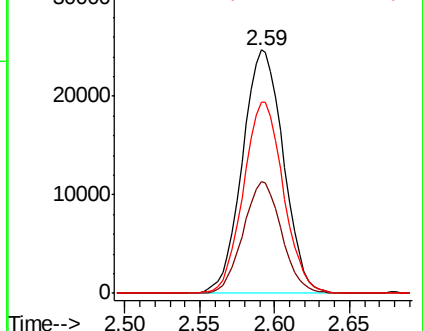
151 76.7 56.2 84.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.065 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041666.D

Acq: 18 Dec 2020 09:04

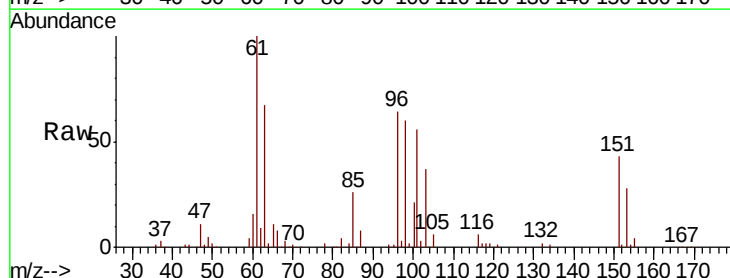
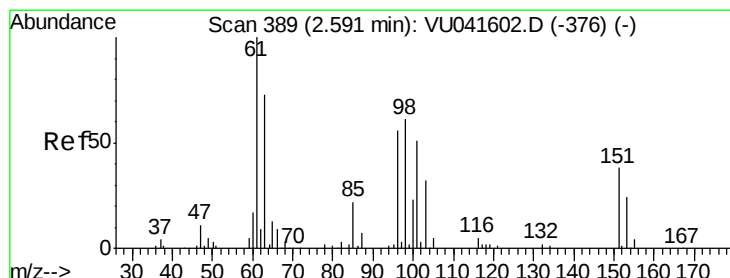
Tgt Ion: 96 Resp: 45582

Ion Ratio Lower Upper

96 100

61 155.9 123.8 230.0

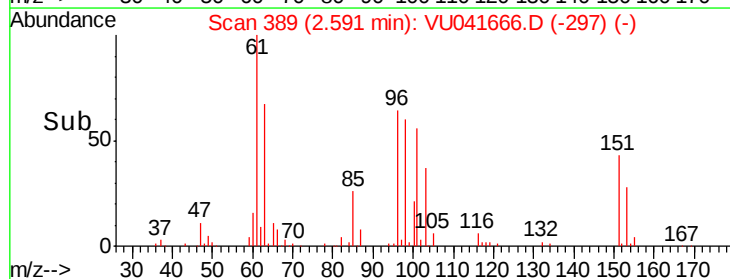
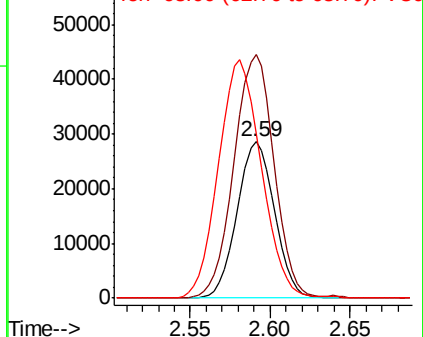
63 105.0 81.0 150.4

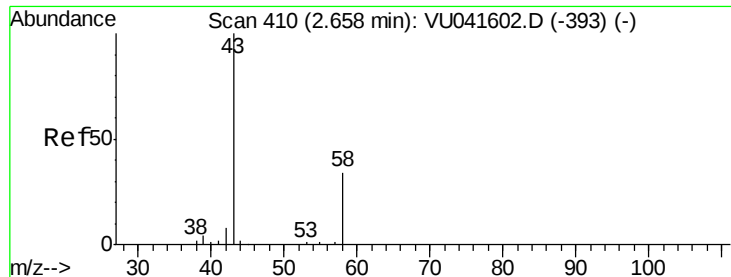


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 16.298 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

Lab File: VU041666.D

Acq: 18 Dec 2020 09:04

Instrument :

MSVOA_U

ClientSampleId :

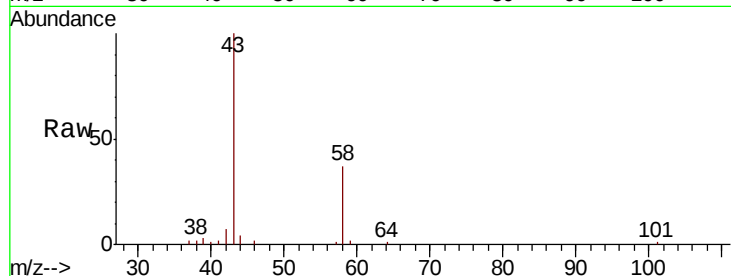
VSTD00519

Tot Ion: 43 Resp: 30886

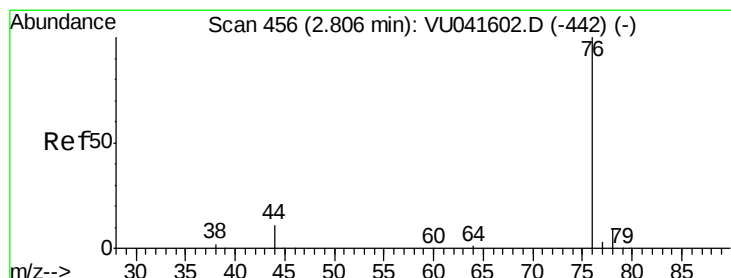
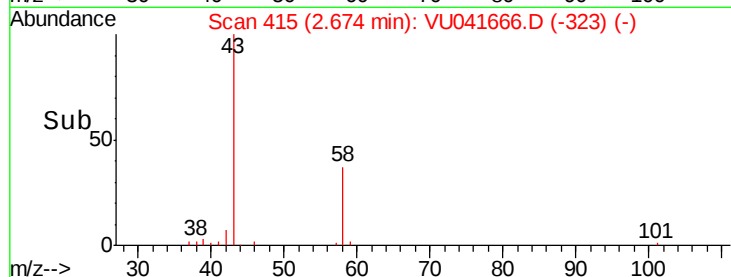
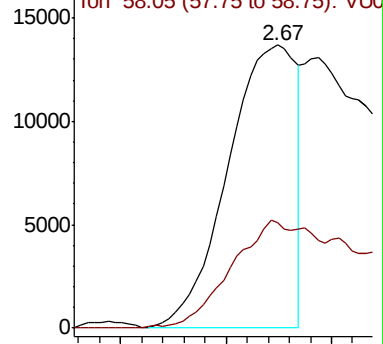
Ion Ratio Lower Upper

43 100

58 32.7 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU041666.D (-323) (-)



#14

Carbon disulfide

Concen: 4.623 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041666.D

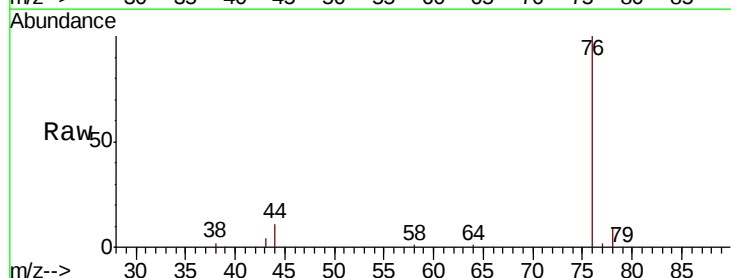
Acq: 18 Dec 2020 09:04

Tgt Ion: 76 Resp: 143778

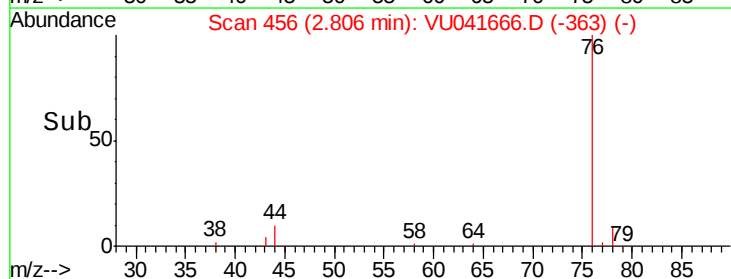
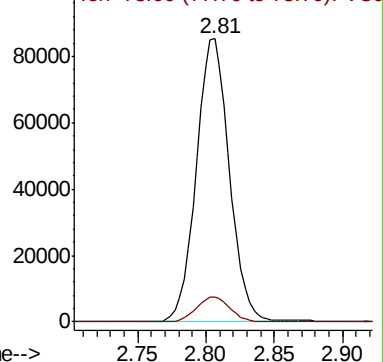
Ion Ratio Lower Upper

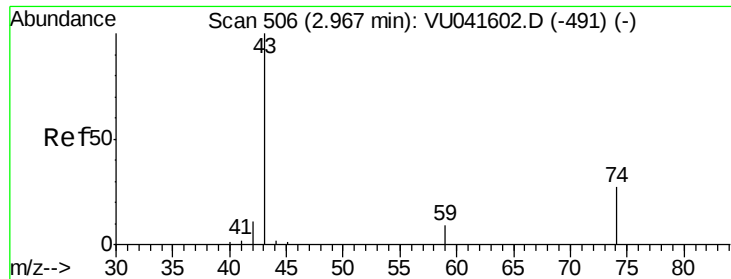
76 100

78 8.9 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU041666.D (-363) (-)





#15

Methvl Acetate

Concen: 4.798 ug/L

RT: 2.97 min Scan# 507

Delta R.T. -0.01 min

Lab File: VU041666.D

Acq: 18 Dec 2020 09:04

Instrument :

MSVOA_U

ClientSampleId :

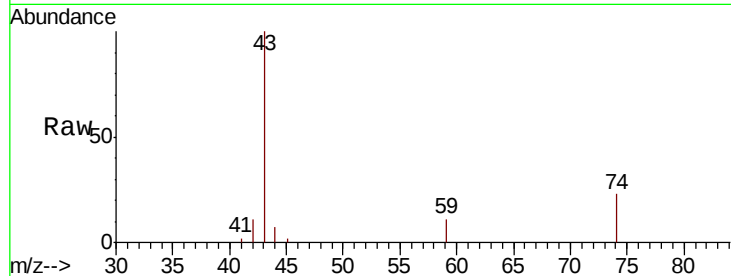
VSTD00519

Tot Ion: 43 Resp: 23640

Ion Ratio Lower Upper

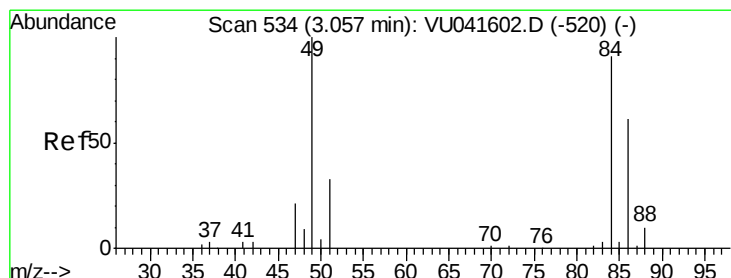
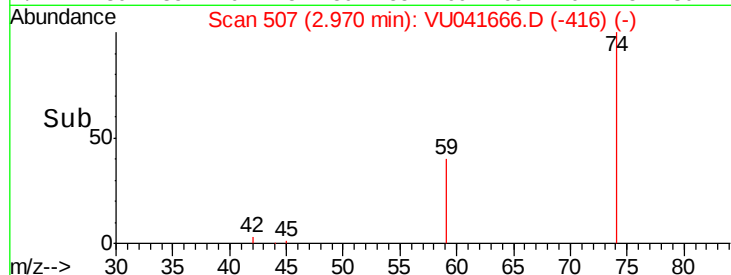
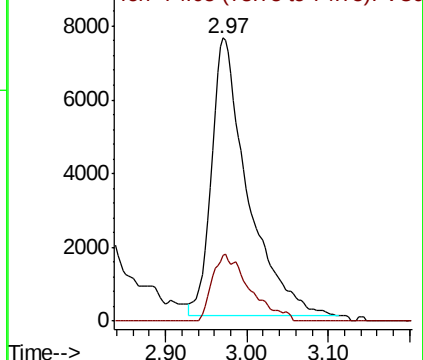
43 100

74 24.9 19.2 28.8



Abundance Ion 43.05 (42.75 to 43.75): VU041666.D (-416) (-)

Ion 74.05 (73.75 to 74.75): VU041666.D (-416) (-)



#16

Methylene chloride

Concen: 4.730 ug/L

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU041666.D

Acq: 18 Dec 2020 09:04

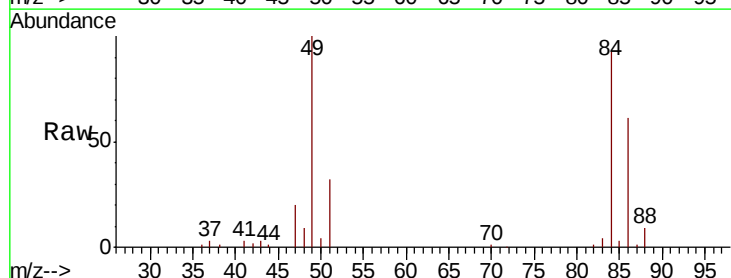
Tgt Ion: 84 Resp: 50847

Ion Ratio Lower Upper

84 100

86 65.9 45.1 83.7

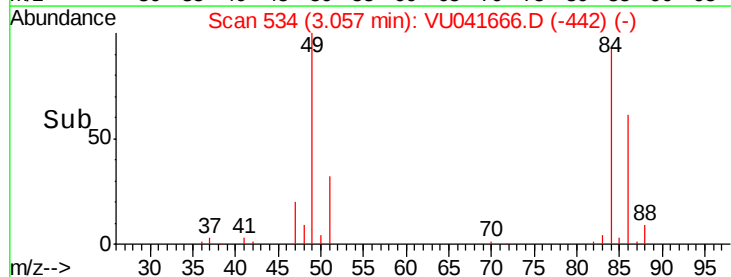
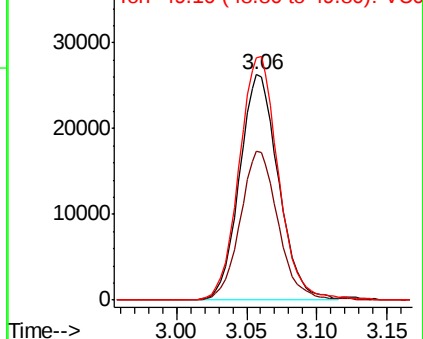
49 107.6 83.1 154.3

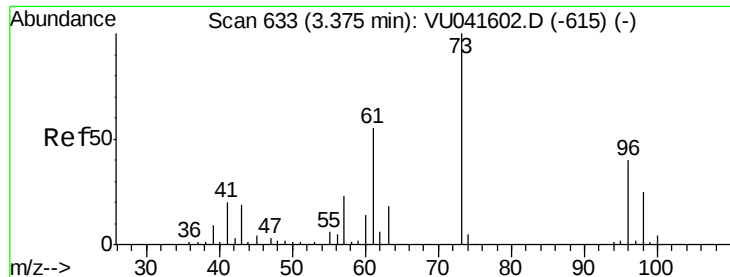


Abundance Ion 84.05 (83.75 to 84.75): VU041666.D (-442) (-)

Ion 86.00 (85.70 to 86.70): VU041666.D (-442) (-)

Ion 49.10 (48.80 to 49.80): VU041666.D (-442) (-)

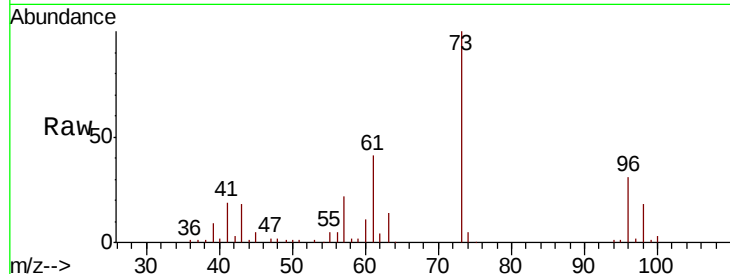




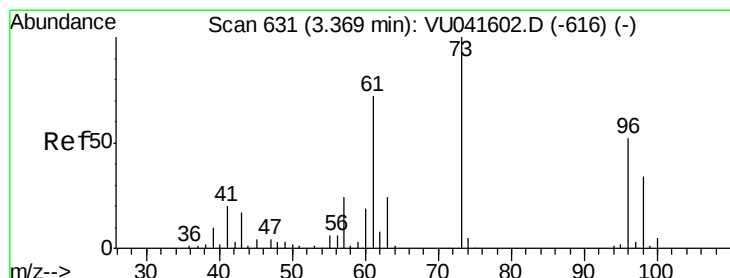
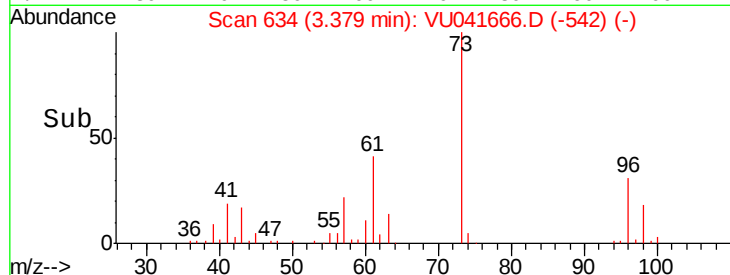
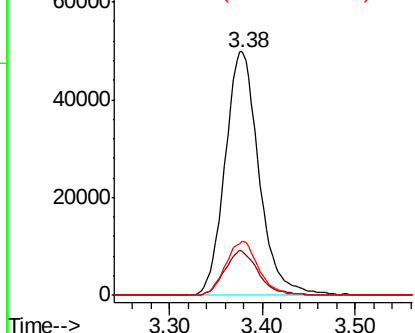
#17
Methvl tert-butvl Ether
Concen: 5.275 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041666.D
Acq: 18 Dec 2020 09:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

Tot Ion: 73 Resp: 126663
Ion Ratio Lower Upper
73 100
43 18.2 14.7 22.1
57 21.4 18.2 27.4

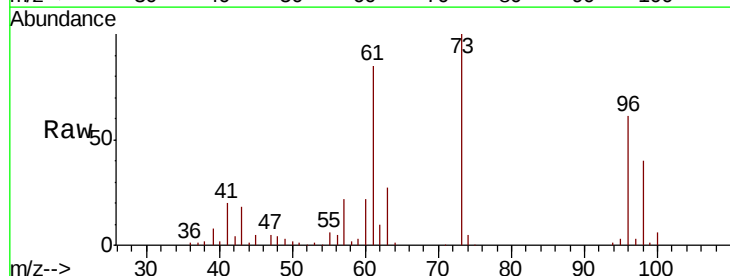


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

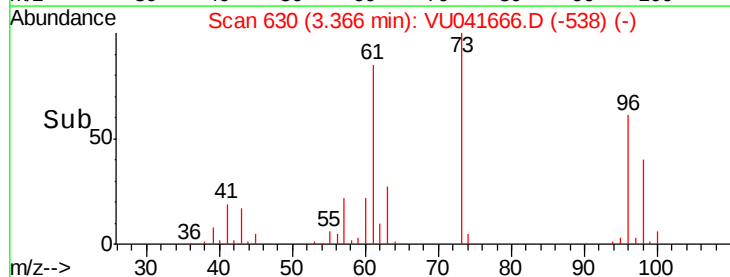
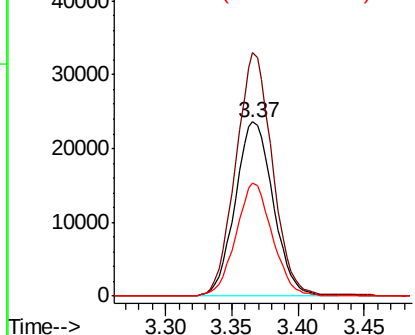


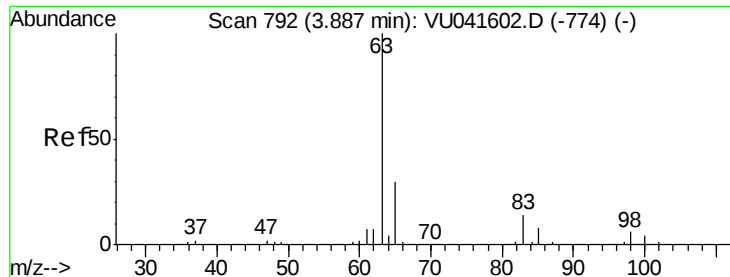
#18
trans-1,2-Dichloroethene
Concen: 5.054 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU041666.D
Acq: 18 Dec 2020 09:04

Tgt Ion: 96 Resp: 47048
Ion Ratio Lower Upper
96 100
61 139.8 101.8 189.0
98 65.1 44.4 82.5



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

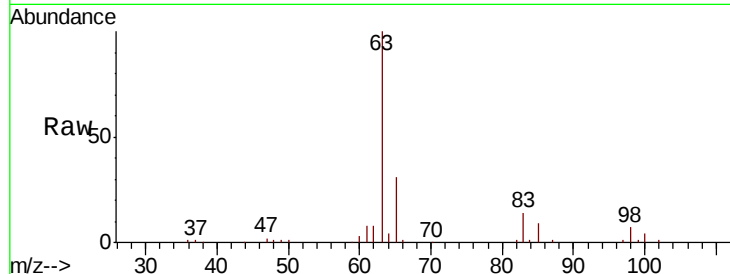




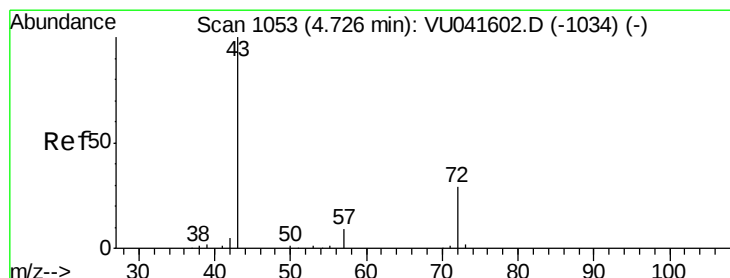
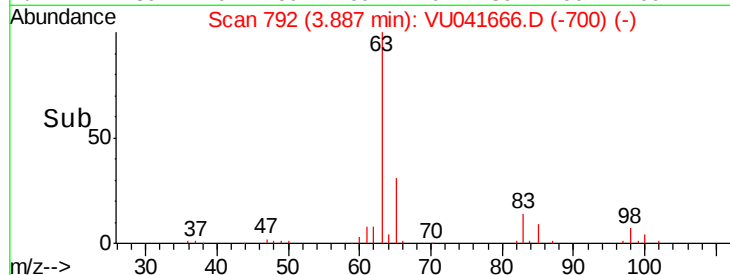
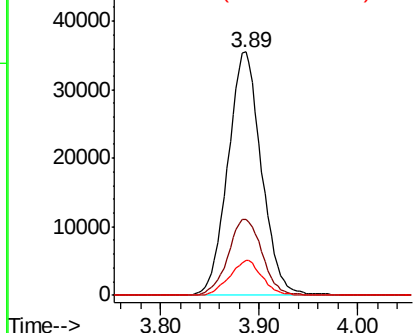
#19
 1,1-Dichloroethane
 Concen: 4.835 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU041666.D
 Acq: 18 Dec 2020 09:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Tot Ion: 63 Resp: 84132
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.3 39.6
 83 14.4 9.3 17.3

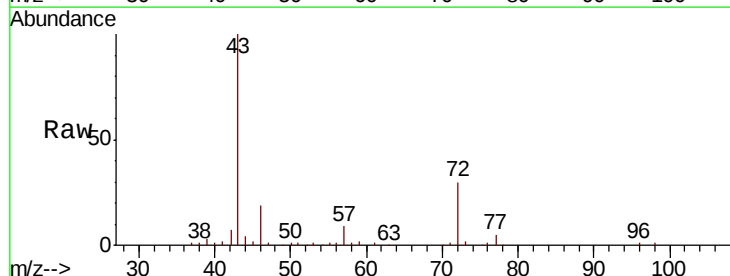


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

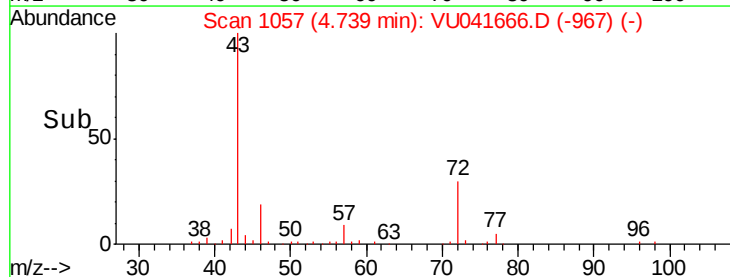
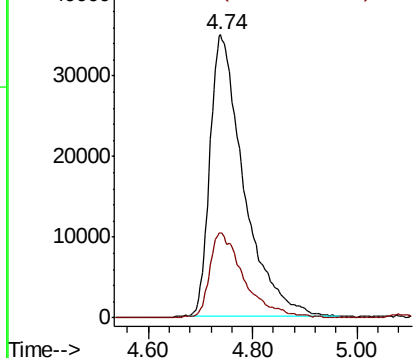


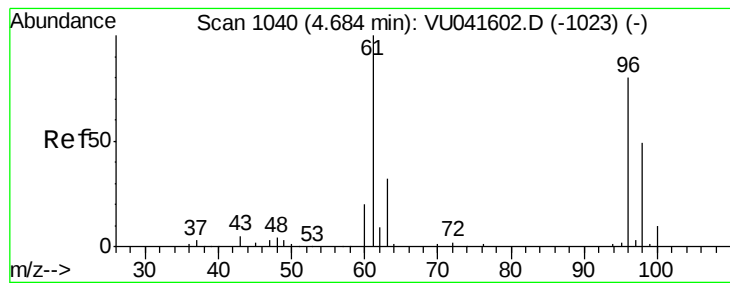
#21
 2-Butanone
 Concen: 51.004 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. -0.01 min
 Lab File: VU041666.D
 Acq: 18 Dec 2020 09:04

Tgt Ion: 43 Resp: 157441
 Ion Ratio Lower Upper
 43 100
 72 30.4 14.6 44.0



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: 4.886 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.01 min

Lab File: VU041666.D

Acq: 18 Dec 2020 09:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

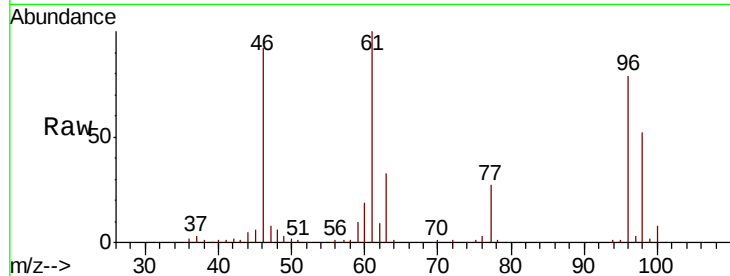
Tot Ion: 96 Resp: 50272

Ion Ratio Lower Upper

96 100

61 127.1 88.8 165.0

68 0.0 0.0 0.0

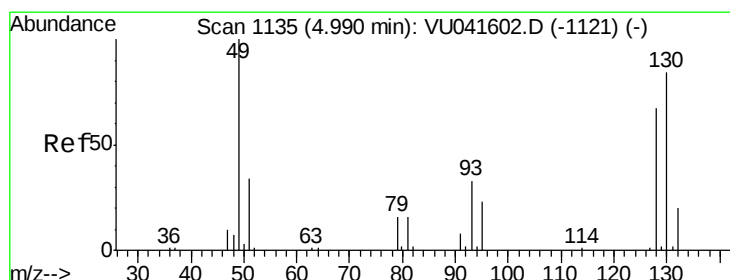
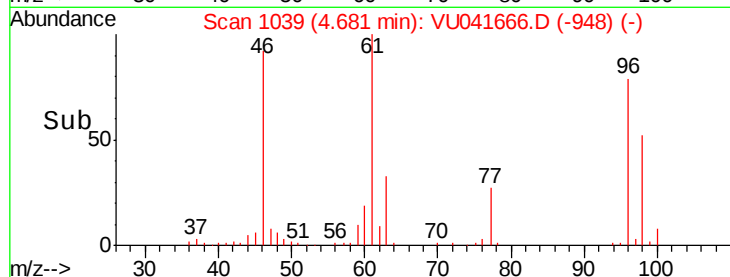
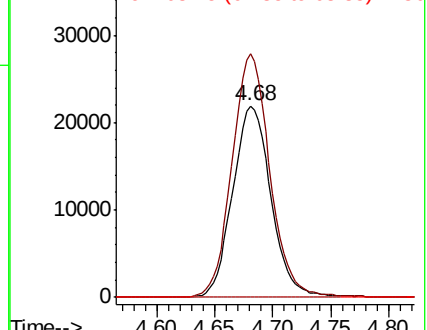


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.367 ug/L

RT: 4.99 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VU041666.D

Acq: 18 Dec 2020 09:04

Tgt Ion: 128 Resp: 25368

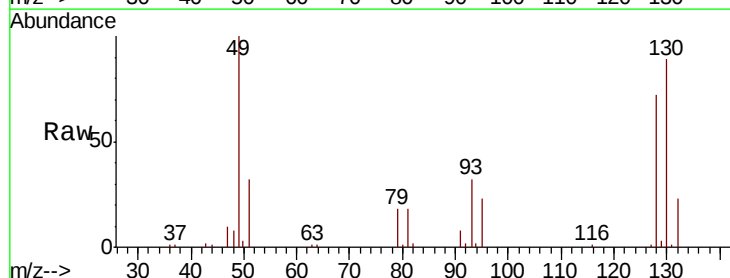
Ion Ratio Lower Upper

128 100

49 138.9 109.3 203.1

130 123.9 84.8 157.6

51 44.7 40.6 61.0



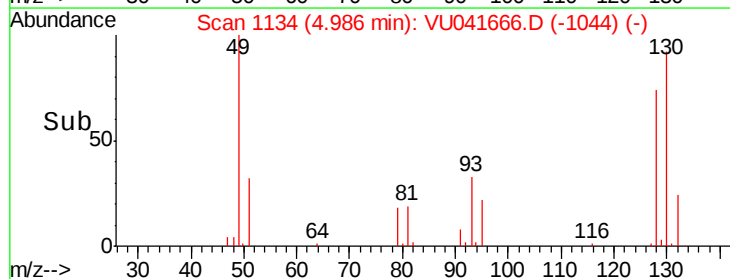
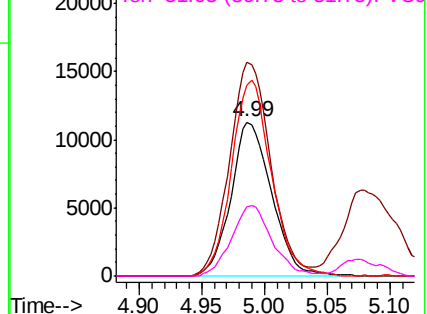
Abundance

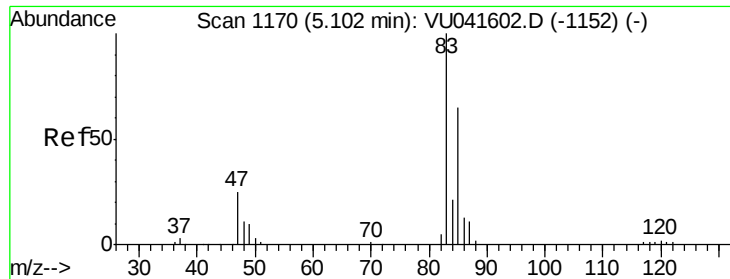
Ion 127.90 (127.60 to 128.60): V

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

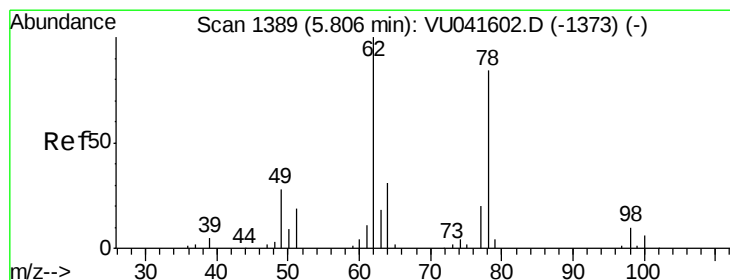
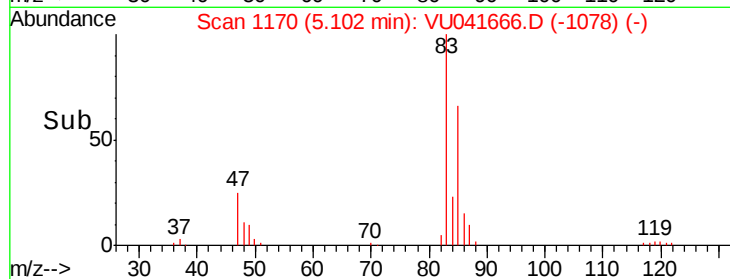
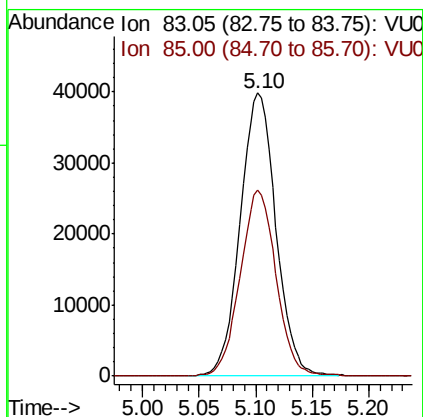
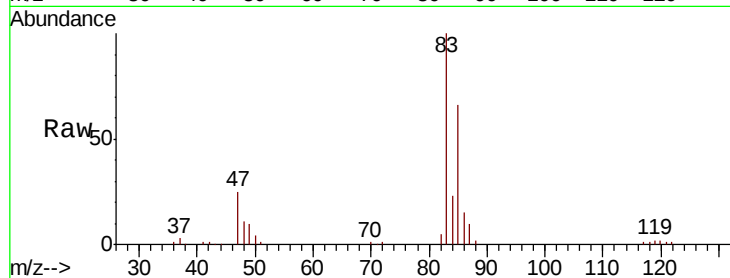




#25
Chloroform
Concen: 4.999 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041666.D
Acq: 18 Dec 2020 09:04

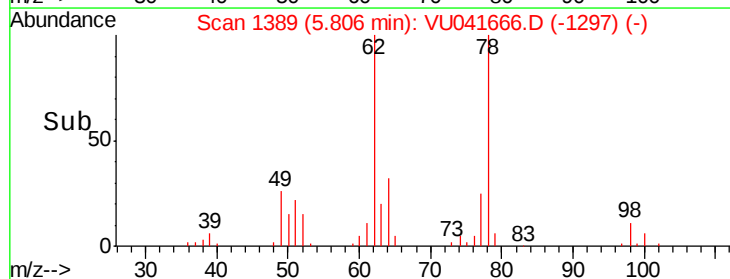
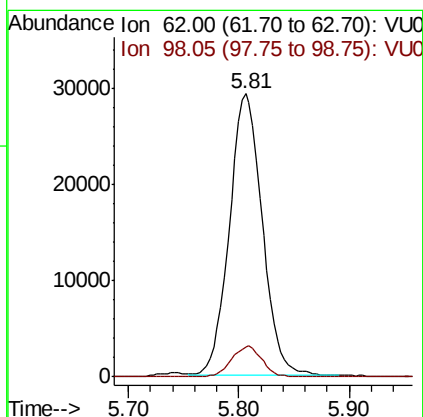
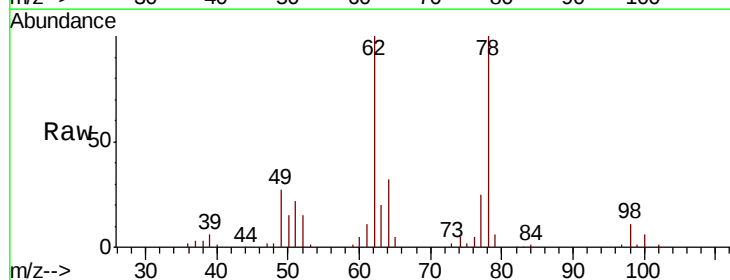
Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

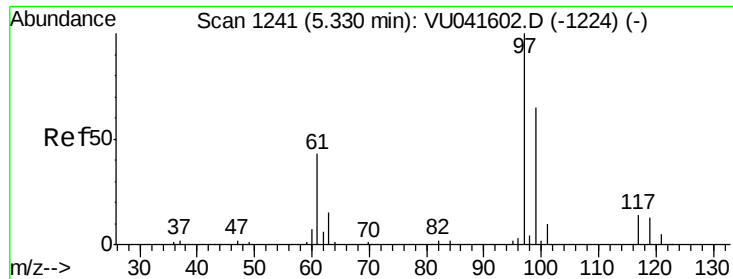
Tot Ion: 83 Resp: 87585
Ion Ratio Lower Upper
83 100
85 65.6 44.2 82.0



#27
1,2-Dichloroethane
Concen: 5.110 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041666.D
Acq: 18 Dec 2020 09:04

Tgt Ion: 62 Resp: 60630
Ion Ratio Lower Upper
62 100
98 10.6 8.2 12.2

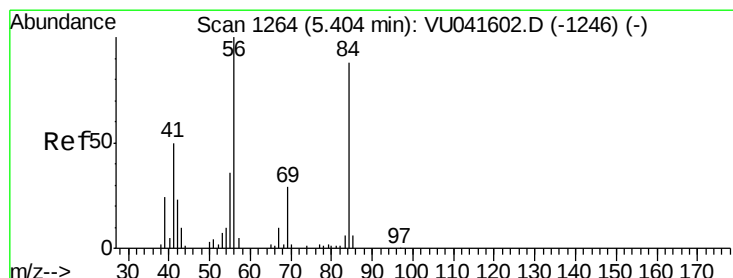
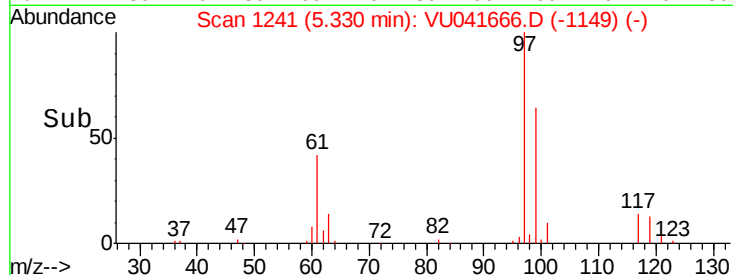
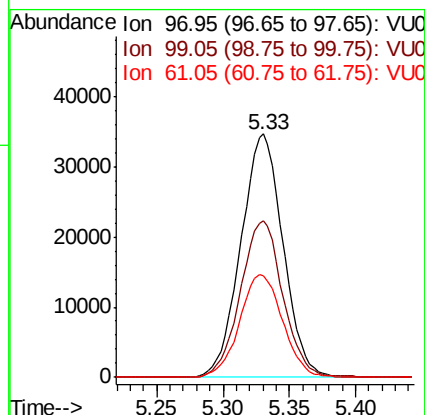
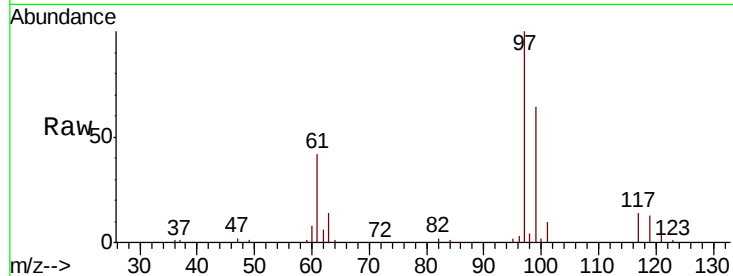




#29
 1,1,1-Trichloroethane
 Concen: 5.557 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU041666.D
 Acq: 18 Dec 2020 09:04

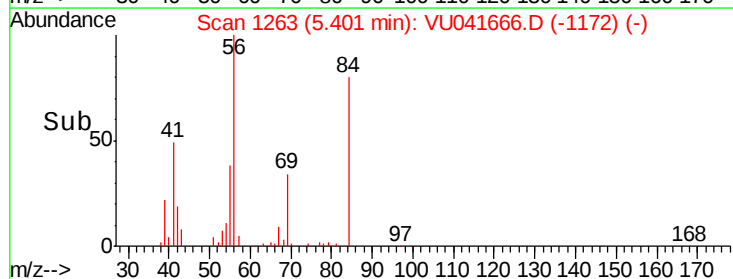
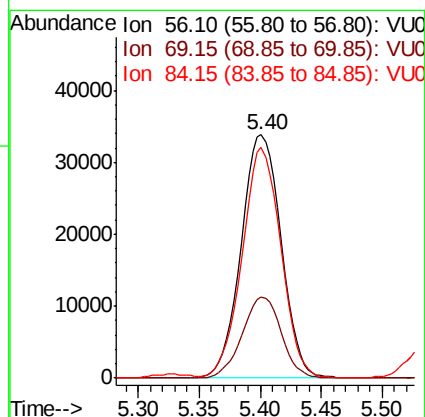
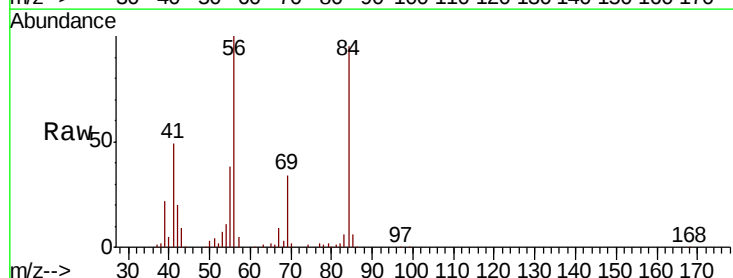
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

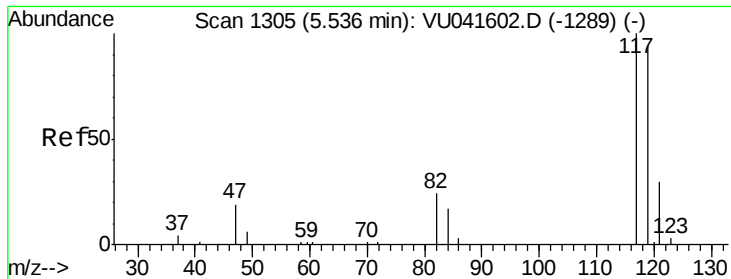
Tot Ion: 97 Resp: 76617
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.3 76.9
 61 43.2 36.5 54.7



#30
 Cyclohexane
 Concen: 4.956 ug/L
 RT: 5.40 min Scan# 1263
 Delta R.T. -0.01 min
 Lab File: VU041666.D
 Acq: 18 Dec 2020 09:04

Tgt Ion: 56 Resp: 76594
 Ion Ratio Lower Upper
 56 100
 69 32.5 23.8 35.8
 84 91.2 66.2 99.4





#31

Carbon tetrachloride

Concen: 5.792 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041666.D

Acq: 18 Dec 2020 09:04

Instrument :

MSVOA_U

ClientSampleId :

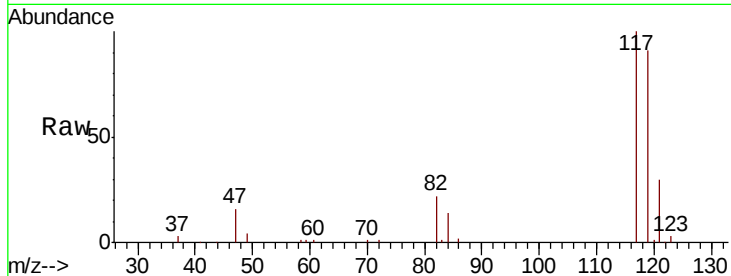
VSTD00519

Tot Ion:117 Resp: 69053

Ion Ratio Lower Upper

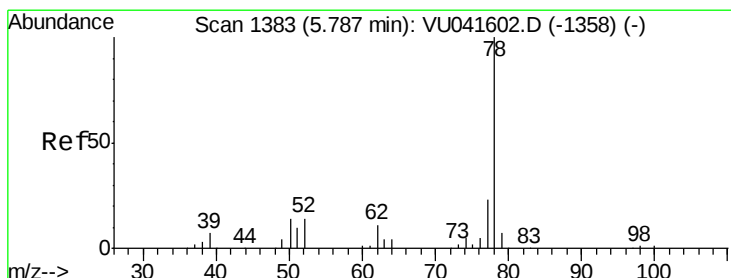
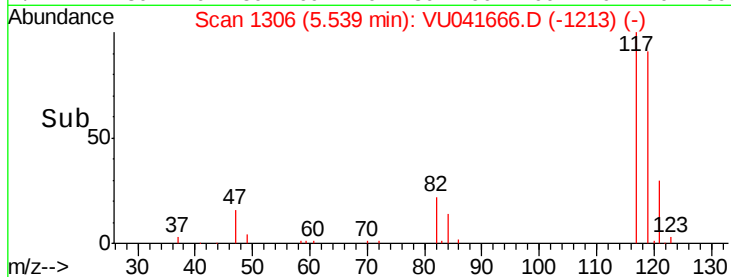
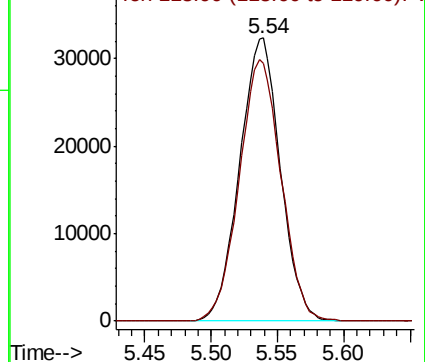
117 100

119 95.0 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.344 ug/L

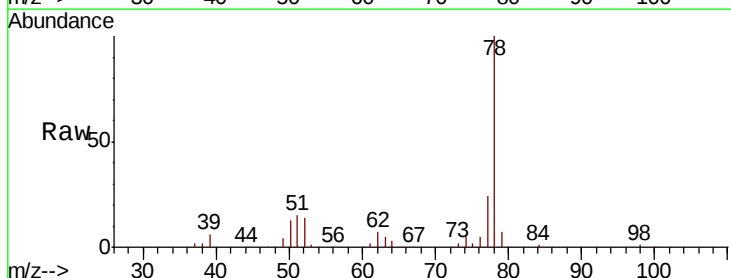
RT: 5.78 min Scan# 1382

Delta R.T. -0.01 min

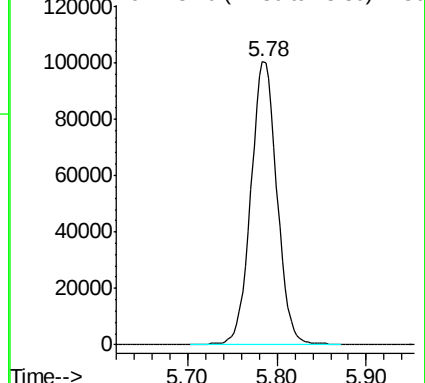
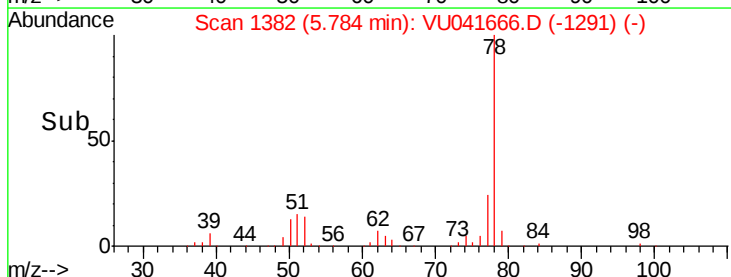
Lab File: VU041666.D

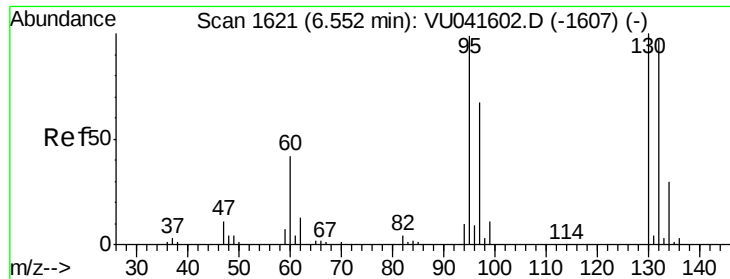
Acq: 18 Dec 2020 09:04

Tgt Ion: 78 Resp: 205205



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.239 ug/L

RT: 6.55 min Scan# 1620

Delta R.T. -0.01 min

Lab File: VU041666.D

Acq: 18 Dec 2020 09:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

Tot Ion: 95 Resp: 50555

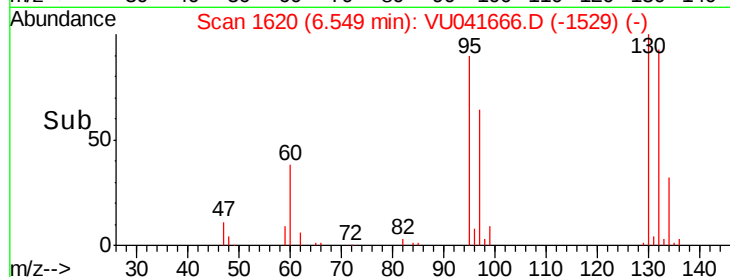
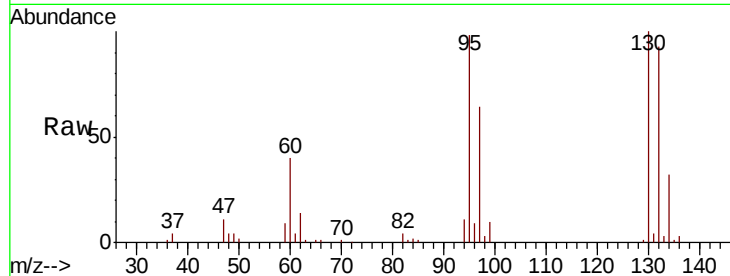
Ion Ratio Lower Upper

95 100

97 65.4 43.9 81.5

132 94.8 63.1 117.3

130 102.1 67.4 125.2

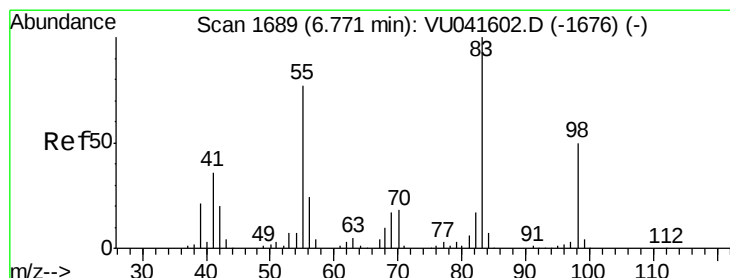
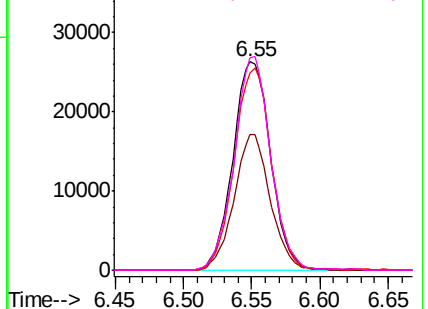


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.098 ug/L

RT: 6.77 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VU041666.D

Acq: 18 Dec 2020 09:04

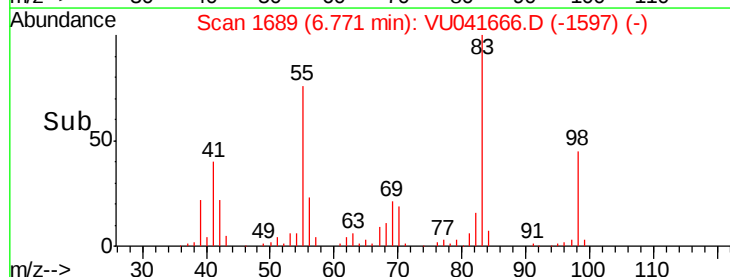
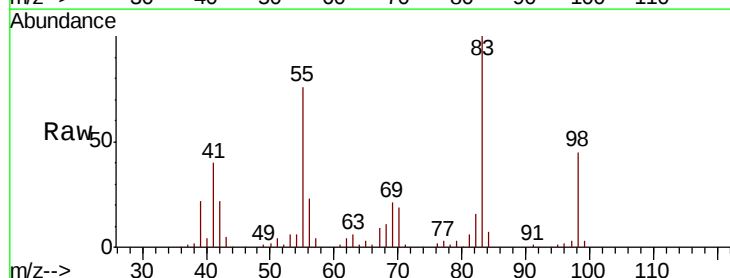
Tgt Ion: 83 Resp: 79520

Ion Ratio Lower Upper

83 100

55 74.9 61.2 91.8

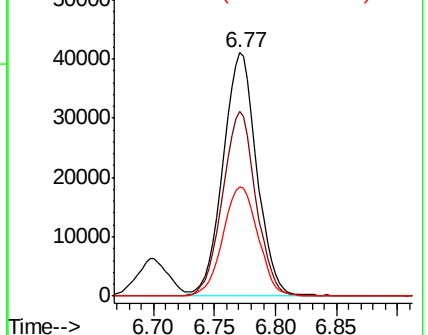
98 46.7 36.6 54.8

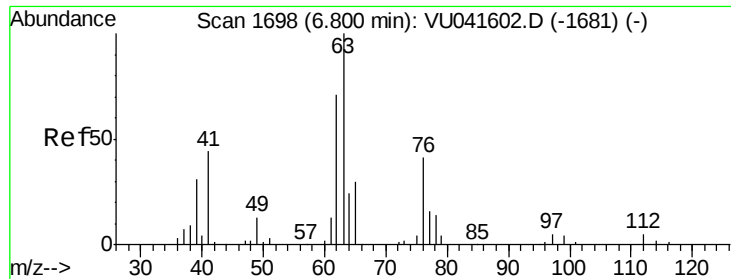


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

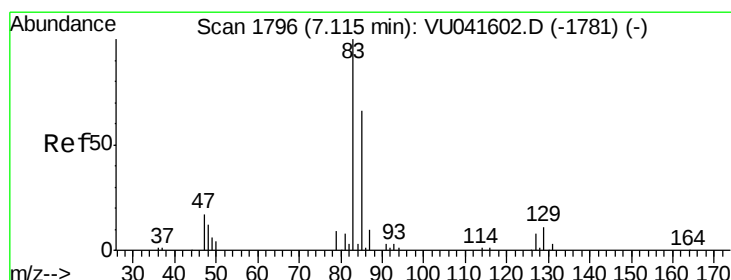
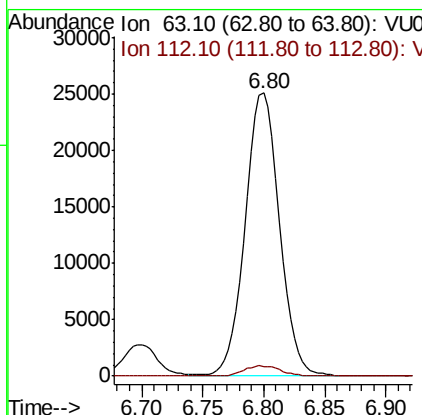
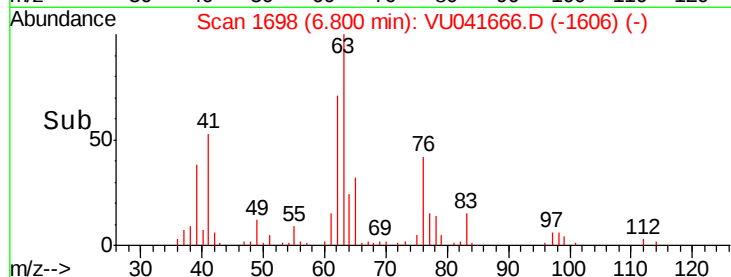
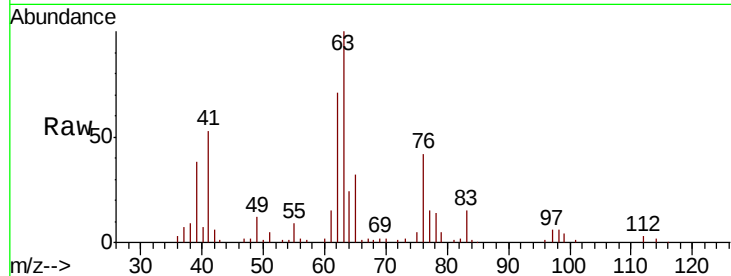




#37
 1,2-Dichloropropane
 Concen: 4.963 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041666.D
 Acq: 18 Dec 2020 09:04

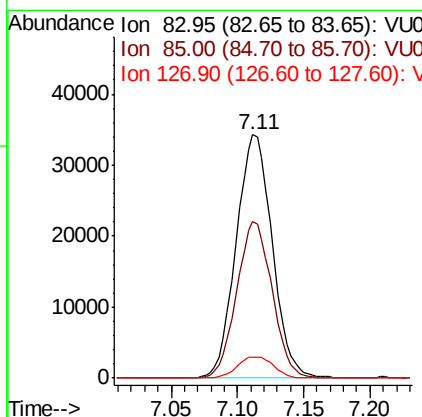
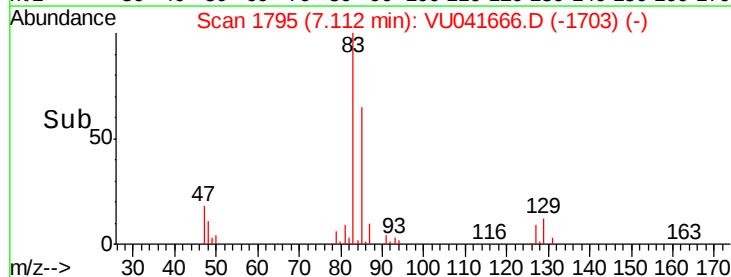
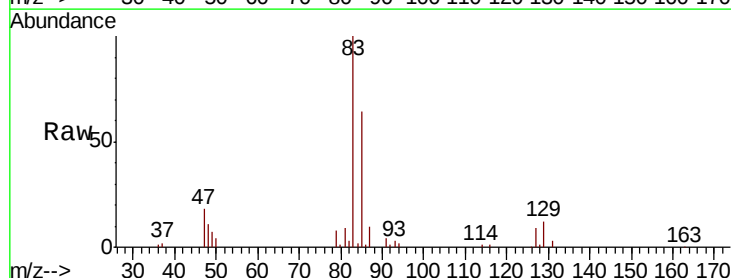
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

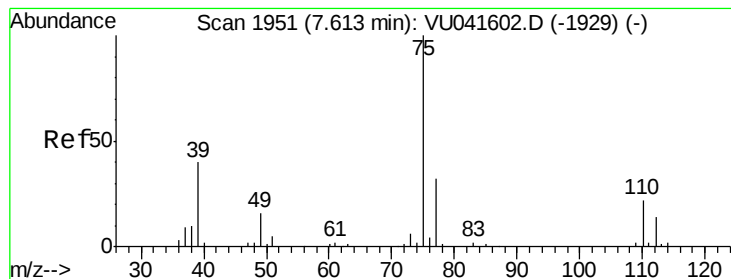
Tot Ion: 63 Resp: 48743
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.1 4.7



#38
 Bromodichloromethane
 Concen: 5.311 ug/L
 RT: 7.11 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VU041666.D
 Acq: 18 Dec 2020 09:04

Tgt Ion: 83 Resp: 64894
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.5 84.5
 127 8.8 7.0 10.6



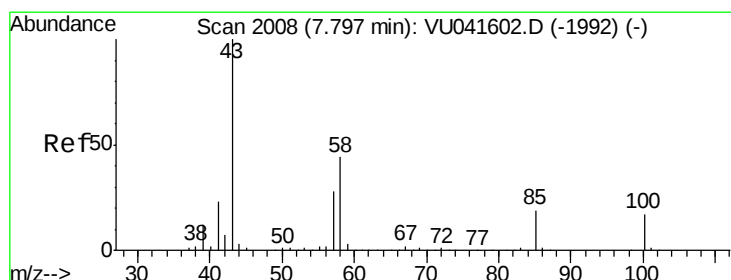
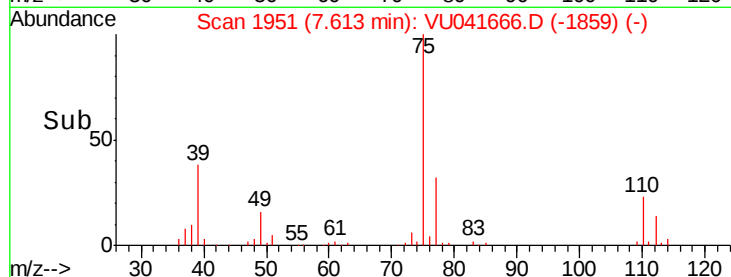
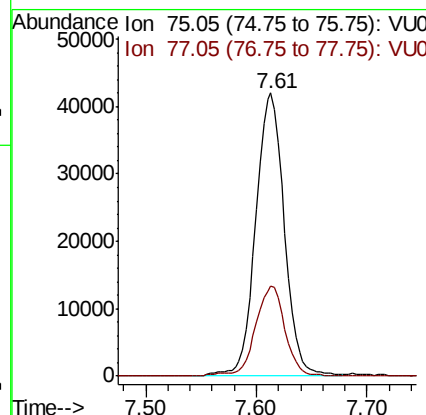
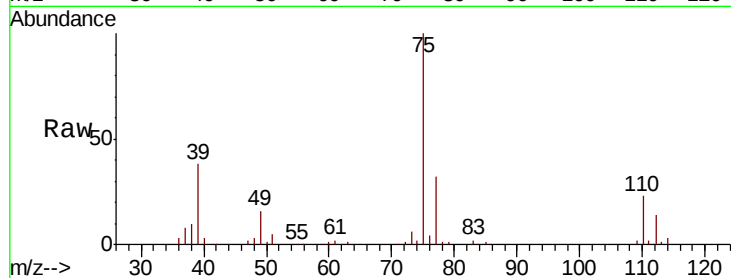


#39

cis-1,3-Dichloropropene
Concen: 5.190 ug/L
RT: 7.61 min Scan# 1951
Delta R.T. -0.00 min
Lab File: VU041666.D
Acq: 18 Dec 2020 09:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

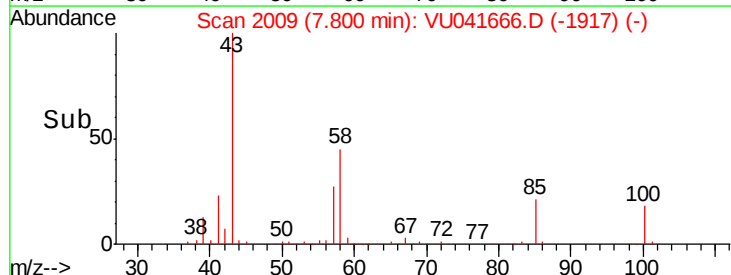
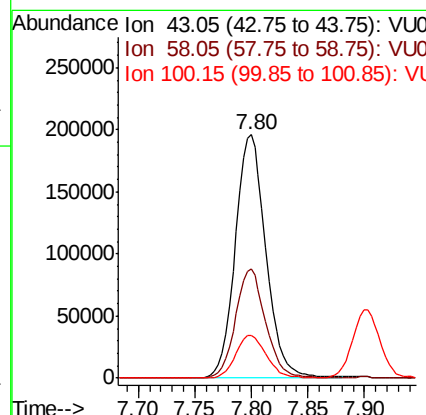
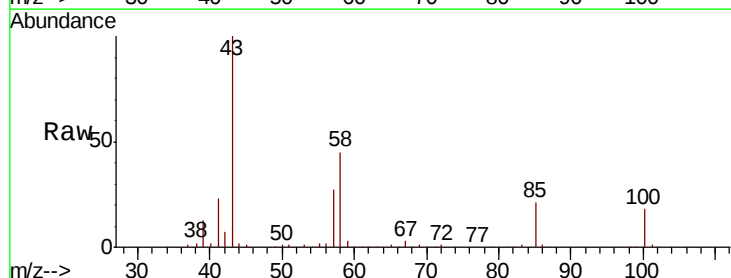
Tot Ion: 75 Resp: 75536
Ion Ratio Lower Upper
75 100
77 32.0 22.3 41.3

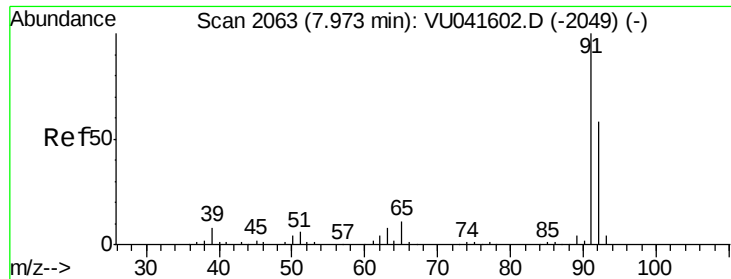


#40

4-Methyl-2-pentanone
Concen: 52.845 ug/L
RT: 7.80 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VU041666.D
Acq: 18 Dec 2020 09:04

Tgt Ion: 43 Resp: 369316
Ion Ratio Lower Upper
43 100
58 44.0 34.2 51.2
100 17.7 12.3 18.5





#42

Toluene

Concen: 5.251 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041666.D

Acq: 18 Dec 2020 09:04

Instrument :

MSVOA_U

ClientSampleId :

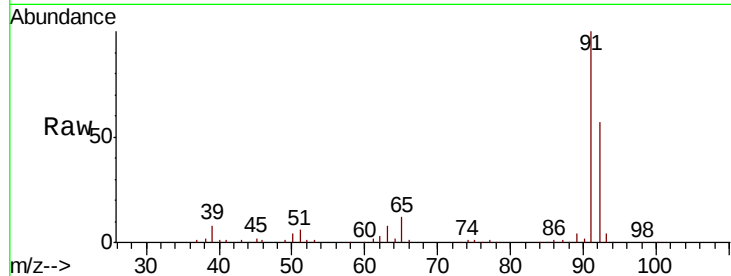
VSTD00519

Tot Ion: 91 Resp: 208176

Ion Ratio Lower Upper

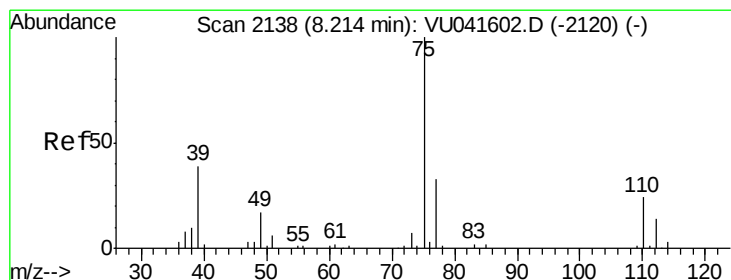
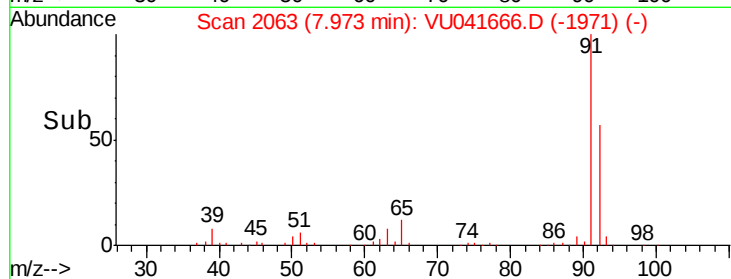
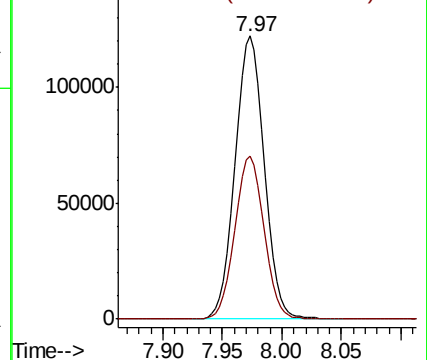
91 100

92 57.4 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 5.514 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041666.D

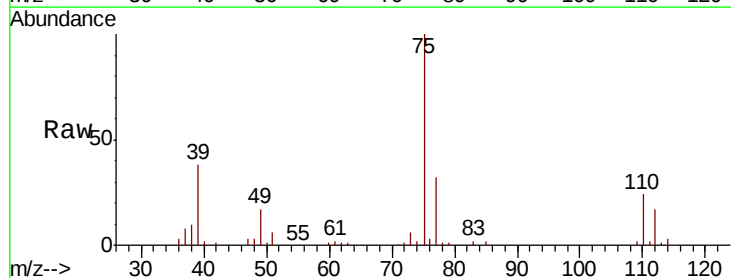
Acq: 18 Dec 2020 09:04

Tgt Ion: 75 Resp: 71756

Ion Ratio Lower Upper

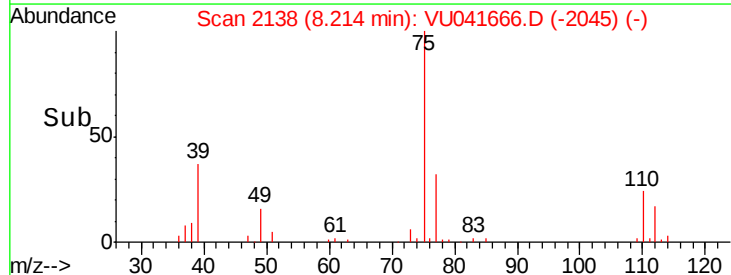
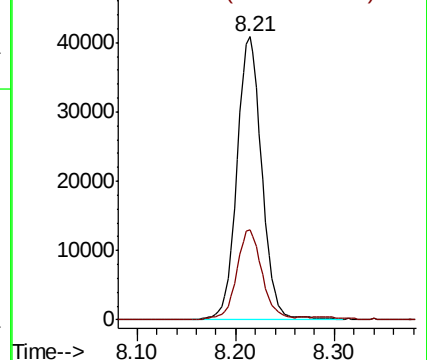
75 100

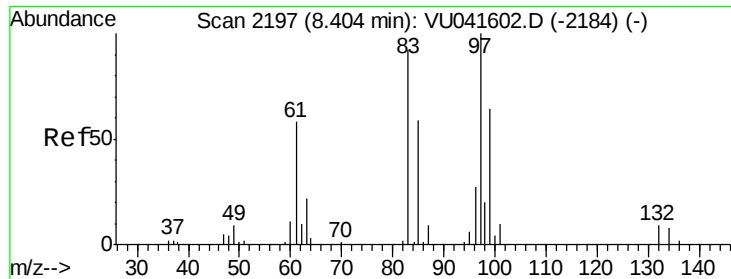
77 32.0 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

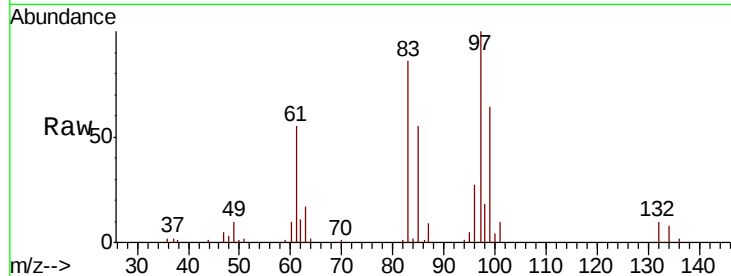




#45
 1,1,2-Trichloroethane
 Concen: 5.758 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU041666.D
 Acq: 18 Dec 2020 09:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Tot Ion:	97	Resp:	41825
Ion	Ratio	Lower	Upper
97	100		
99	63.7	42.1	78.3
83	85.7	62.6	116.2
85	55.4	39.1	72.7



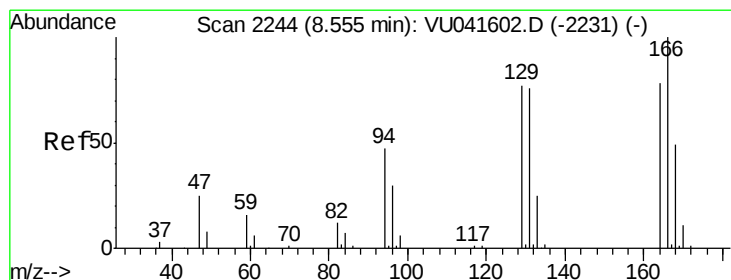
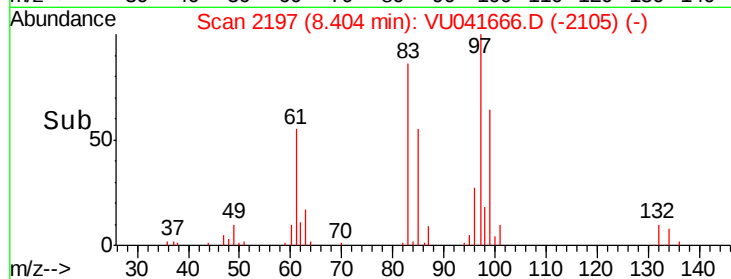
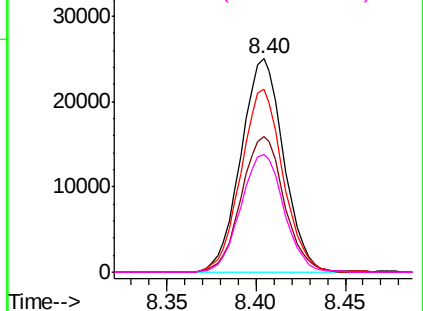
Abundance

Ion 96.95 (96.65 to 97.65): VU041666.D (-2105) (-)

Ion 99.05 (98.75 to 99.75): VU041666.D (-2105) (-)

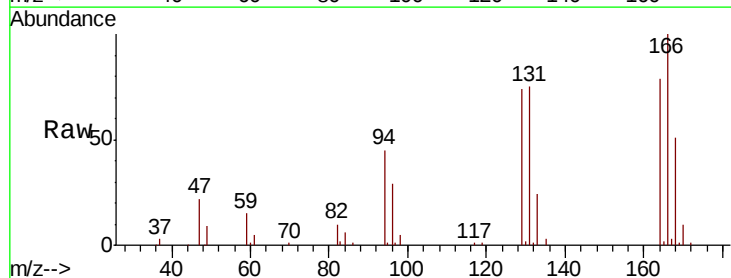
Ion 82.95 (82.65 to 83.65): VU041666.D (-2105) (-)

Ion 85.00 (84.70 to 85.70): VU041666.D (-2105) (-)



#47
 Tetrachloroethene
 Concen: 5.706 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: VU041666.D
 Acq: 18 Dec 2020 09:04

Tgt Ion:	164	Resp:	38541
Ion	Ratio	Lower	Upper
164	100		
129	93.9	72.2	134.0
131	94.9	66.9	124.3
166	126.3	89.6	166.4



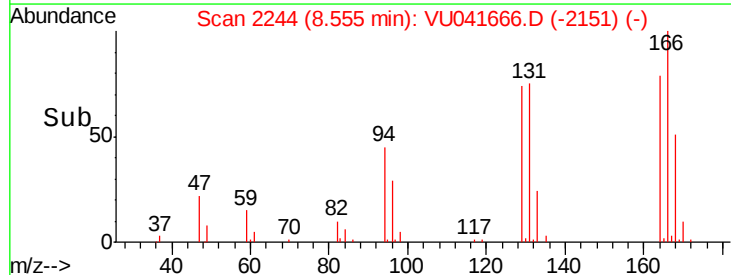
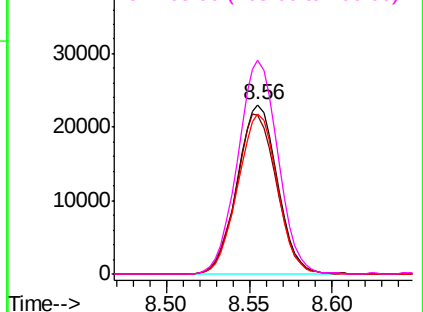
Abundance

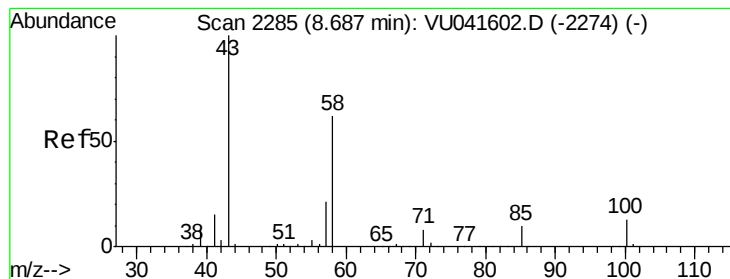
Ion 163.90 (163.60 to 164.60): VU041666.D (-2151) (-)

Ion 128.95 (128.65 to 129.65): VU041666.D (-2151) (-)

Ion 130.95 (130.65 to 131.65): VU041666.D (-2151) (-)

Ion 165.90 (165.60 to 166.60): VU041666.D (-2151) (-)





#48

2-Hexanone

Concen: 53.835 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. -0.00 min

Lab File: VU041666.D

Acq: 18 Dec 2020 09:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

Tot Ion: 43 Resp: 273817

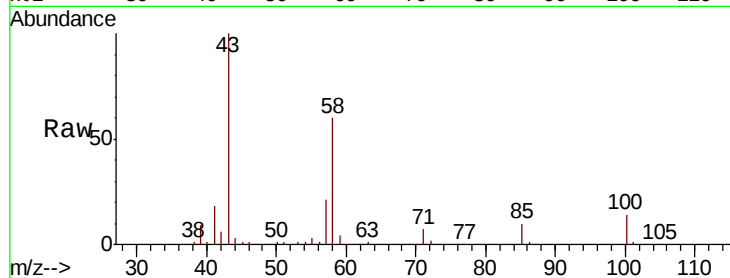
Ion Ratio Lower Upper

43 100

58 62.6 47.9 71.9

57 21.4 16.5 24.7

100 13.8 9.4 14.2

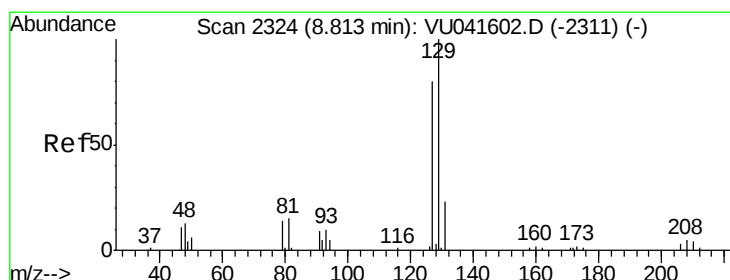
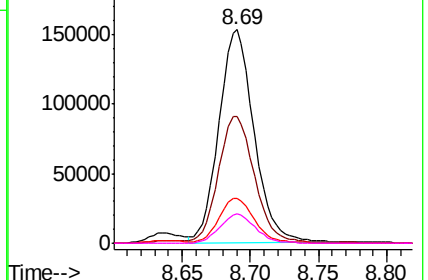
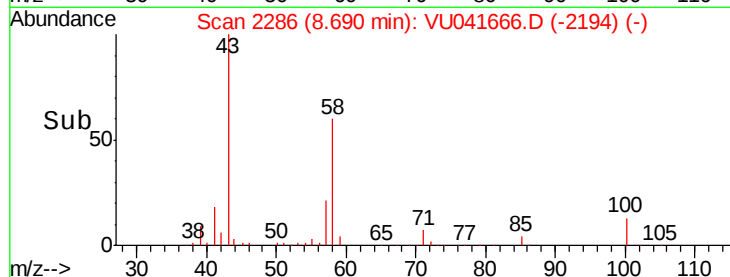


Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 5.782 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VU041666.D

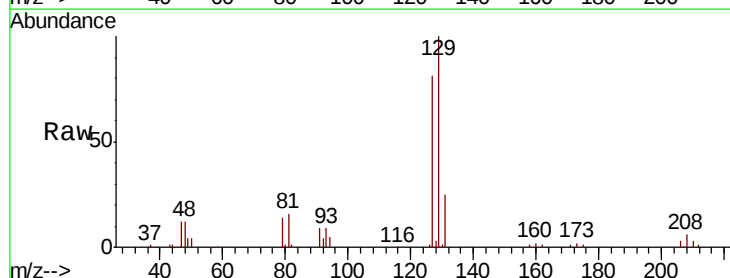
Acq: 18 Dec 2020 09:04

Tgt Ion: 129 Resp: 48241

Ion Ratio Lower Upper

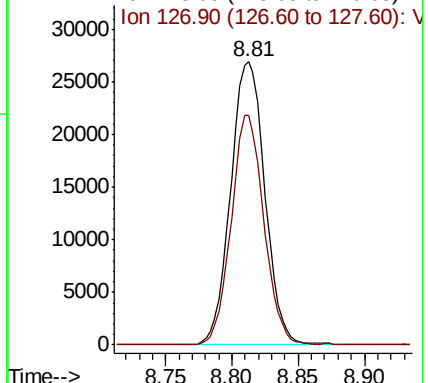
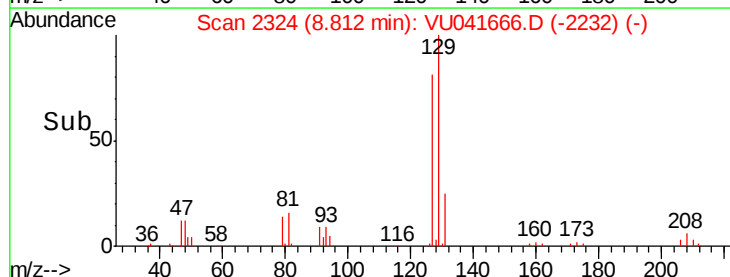
129 100

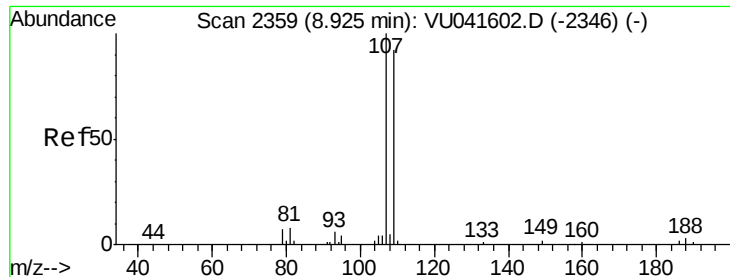
127 81.2 54.7 101.7



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

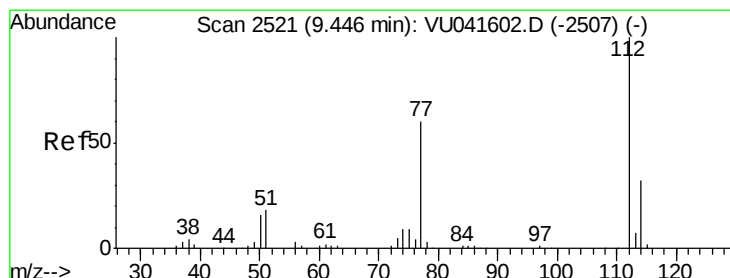
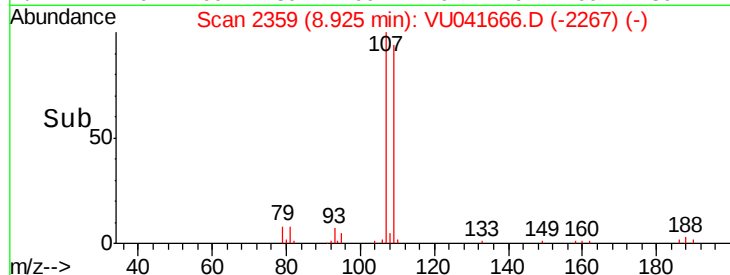
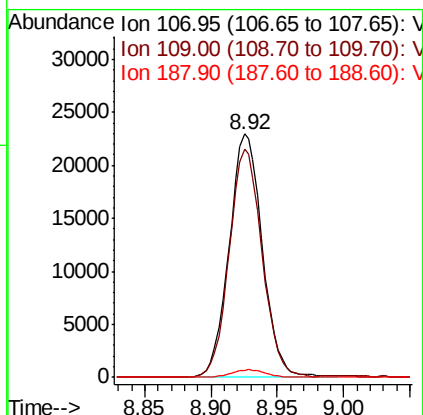
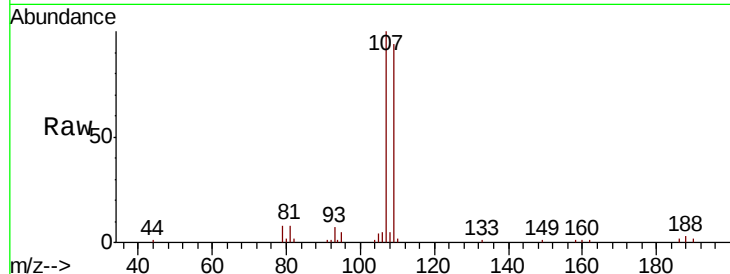




#50
1,2-Dibromoethane
Concen: 5.561 ug/L
RT: 8.92 min Scan# 2359
Delta R.T. -0.00 min
Lab File: VU041666.D
Acq: 18 Dec 2020 09:04

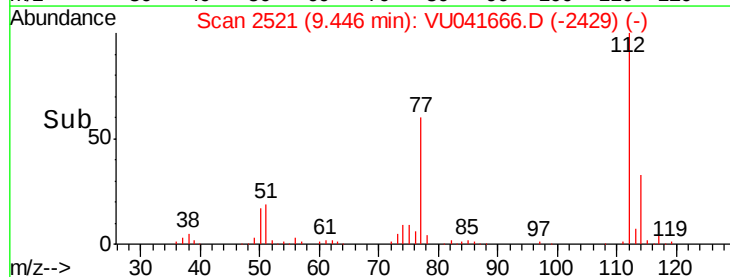
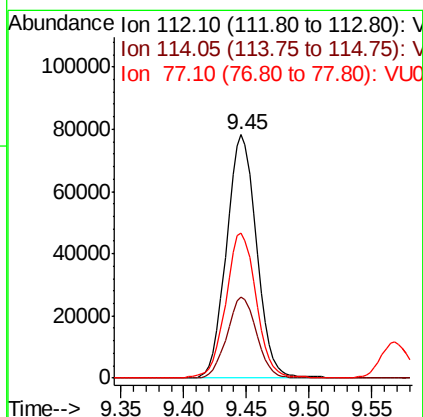
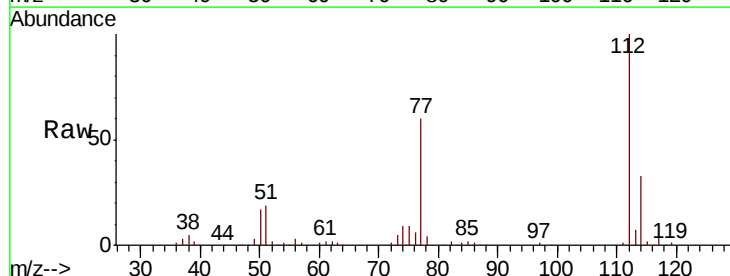
Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

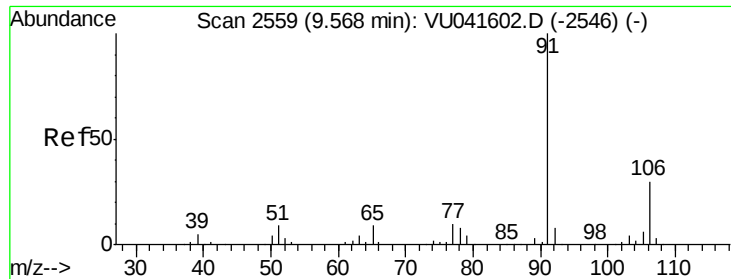
Tot Ion:107 Resp: 39953
Ion Ratio Lower Upper
107 100
109 93.7 65.6 121.8
188 2.9 2.6 4.0



#51
Chlorobenzene
Concen: 5.273 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VU041666.D
Acq: 18 Dec 2020 09:04

Tgt Ion:112 Resp: 129944
Ion Ratio Lower Upper
112 100
114 33.5 22.7 42.3
77 59.8 49.1 73.7





#52

Ethylbenzene

Concen: 5.165 ug/L

RT: 9.57 min Scan# 2559

Delta R.T. -0.00 min

Lab File: VU041666.D

Acq: 18 Dec 2020 09:04

Instrument :

MSVOA_U

ClientSampleID :

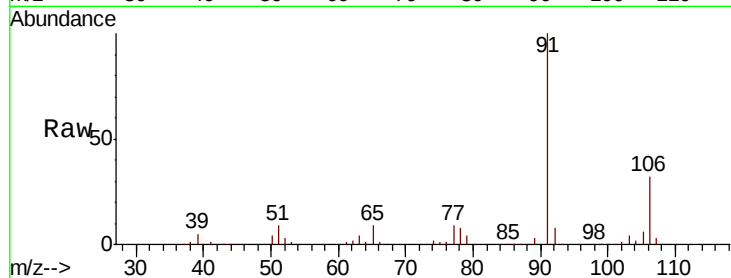
VSTD00519

Tot Ion: 91 Resp: 218019

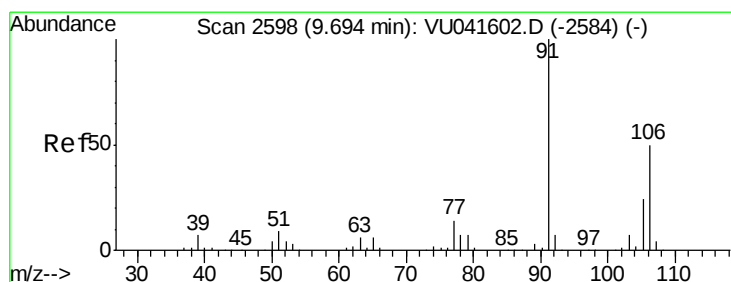
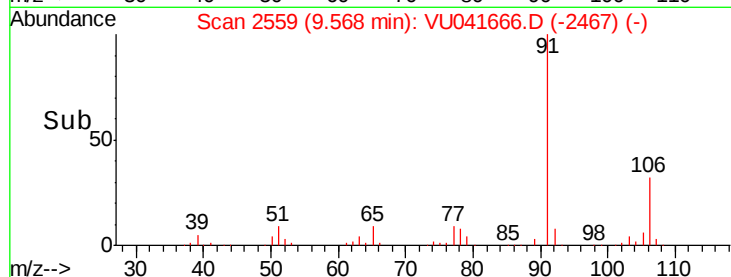
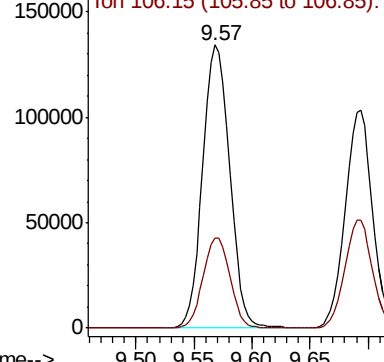
Ion Ratio Lower Upper

91 100

106 31.8 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU041666.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.412 ug/L

RT: 9.69 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VU041666.D

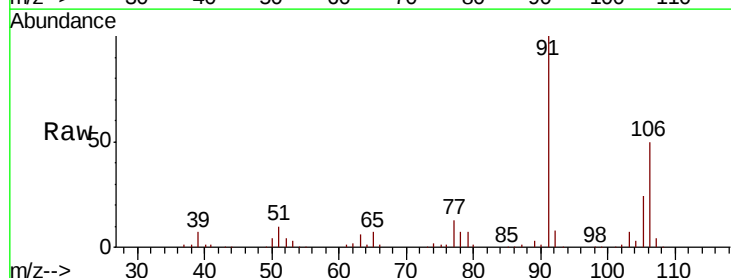
Acq: 18 Dec 2020 09:04

Tgt Ion: 106 Resp: 85198

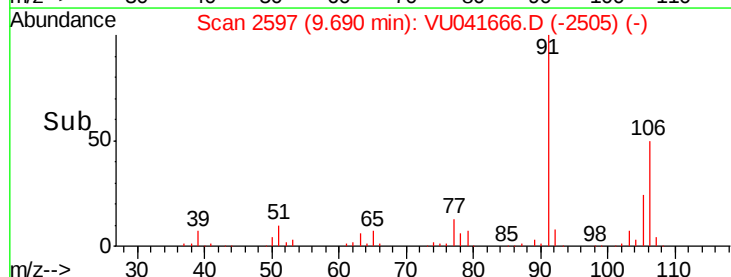
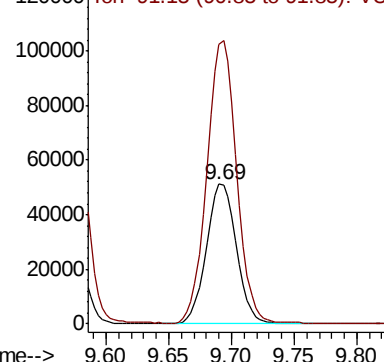
Ion Ratio Lower Upper

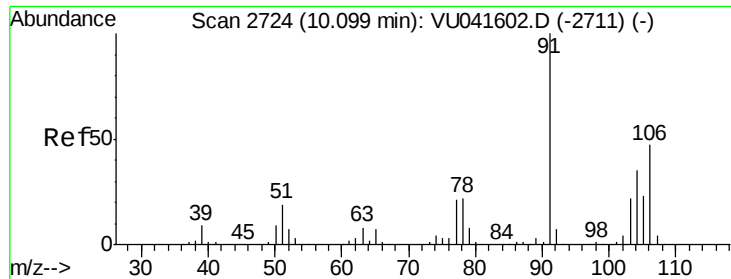
106 100

91 200.0 140.4 260.8



Abundance Ion 106.15 (105.85 to 106.85): VU041666.D (-2584) (-)

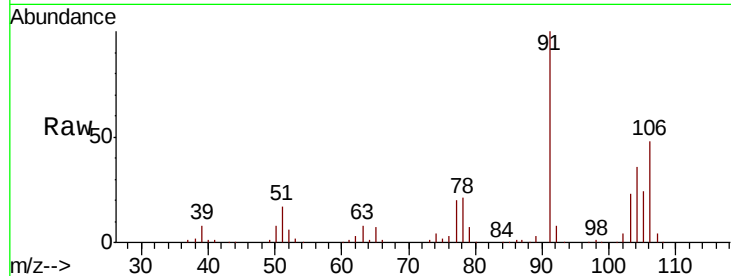




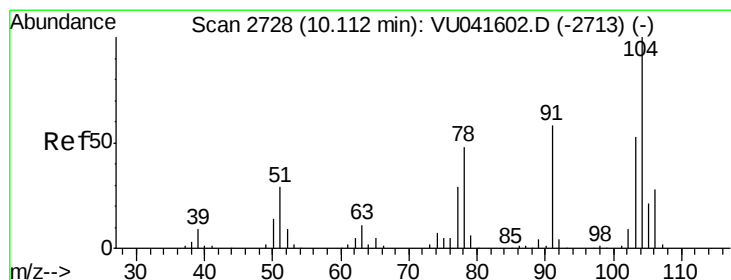
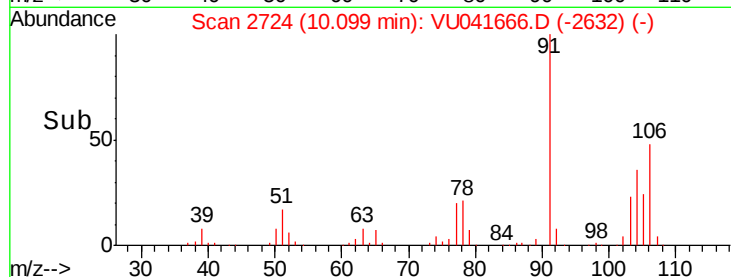
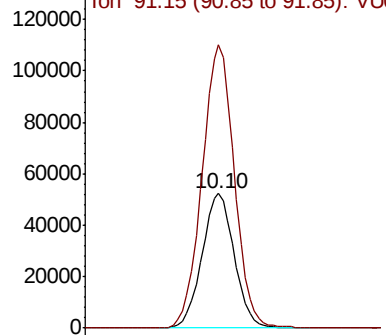
#54
o-Xylene
Concen: 5.402 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041666.D
Acq: 18 Dec 2020 09:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

Tot Ion:106 Resp: 83304
Ion Ratio Lower Upper
106 100
91 210.0 151.3 281.1

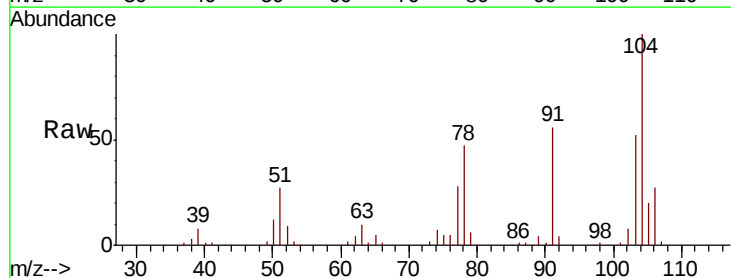


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

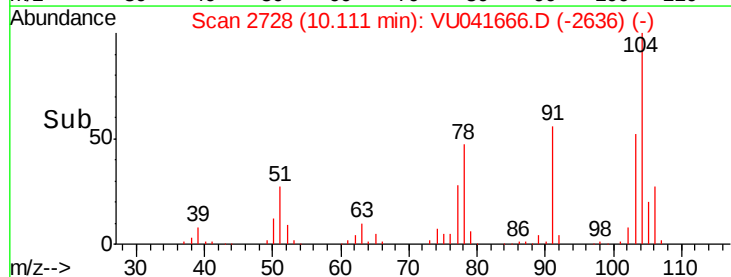
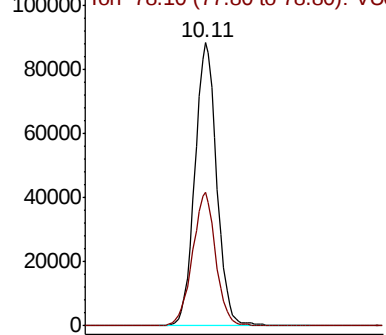


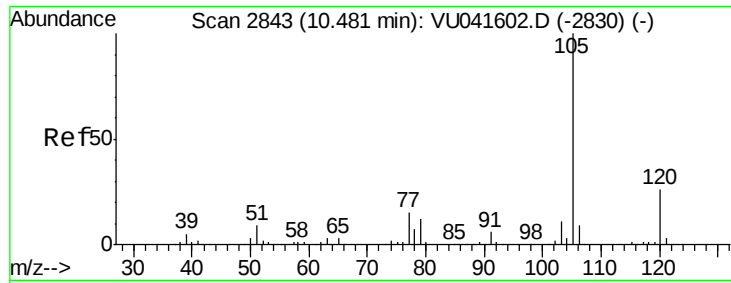
#55
Styrene
Concen: 5.323 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU041666.D
Acq: 18 Dec 2020 09:04

Tgt Ion:104 Resp: 141792
Ion Ratio Lower Upper
104 100
78 47.1 31.1 57.9



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





#56

Isopropylbenzene

Concen: 5.625 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041666.D

Acq: 18 Dec 2020 09:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

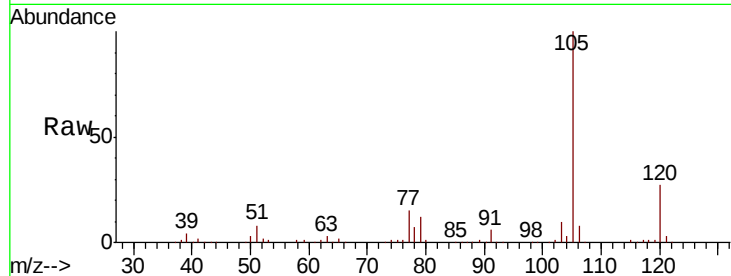
Tot Ion:105 Resp: 230891

Ion Ratio Lower Upper

105 100

120 26.3 20.5 30.7

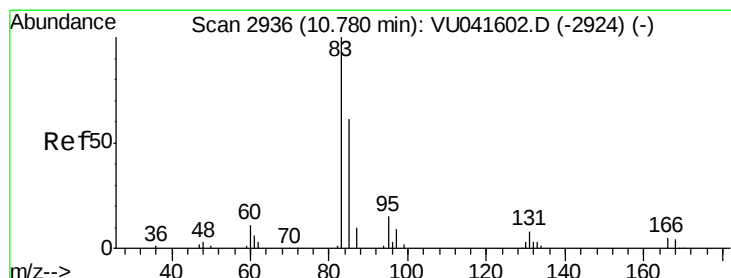
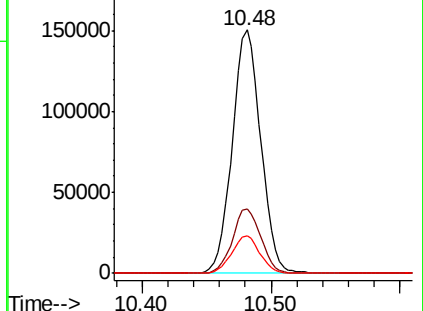
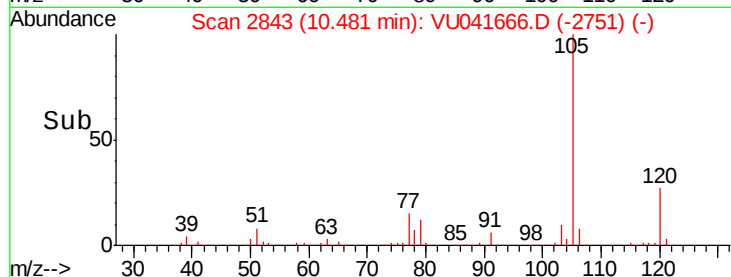
77 15.2 12.7 19.1



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: 5.706 ug/L

RT: 10.78 min Scan# 2935

Delta R.T. -0.00 min

Lab File: VU041666.D

Acq: 18 Dec 2020 09:04

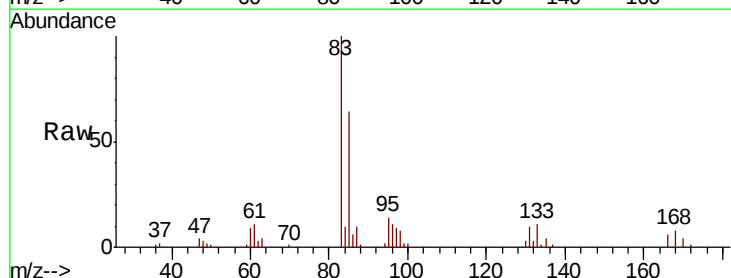
Tgt Ion: 83 Resp: 57667

Ion Ratio Lower Upper

83 100

85 64.0 46.1 85.7

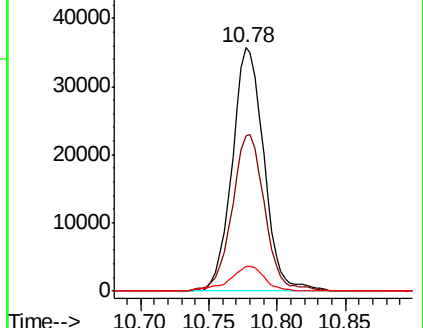
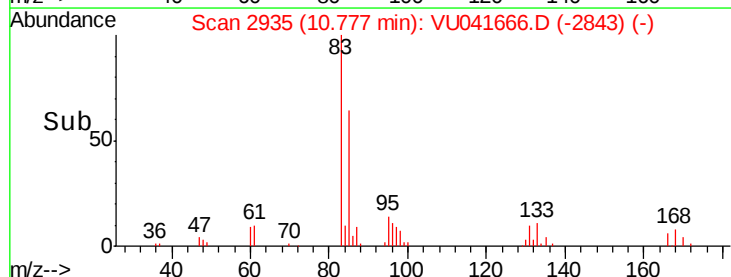
131 10.0 7.8 11.6

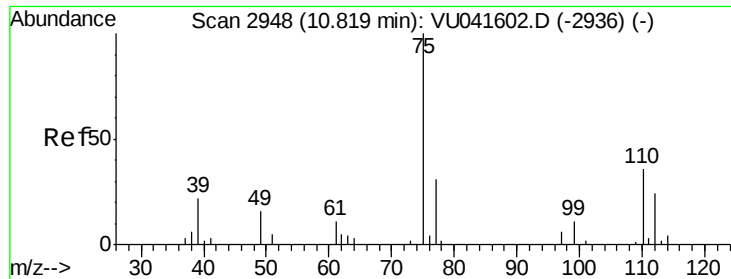


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

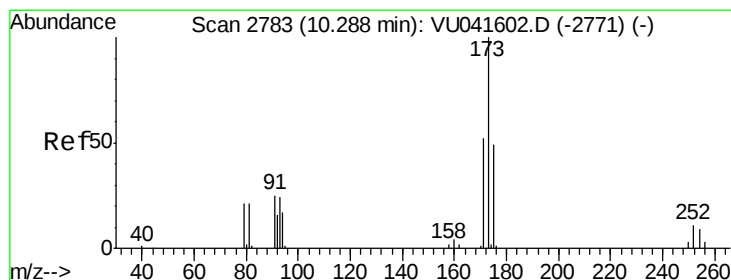
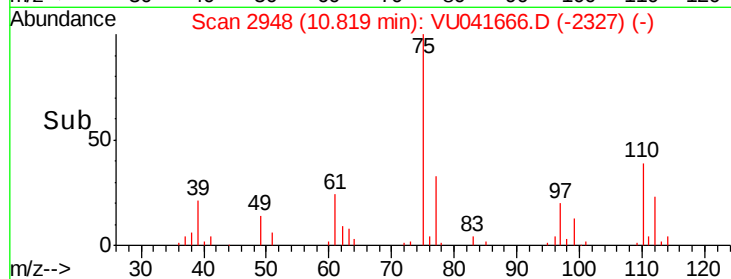
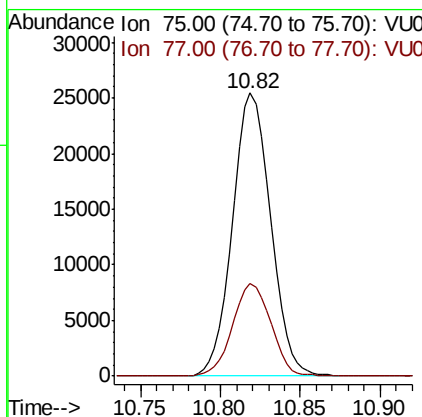
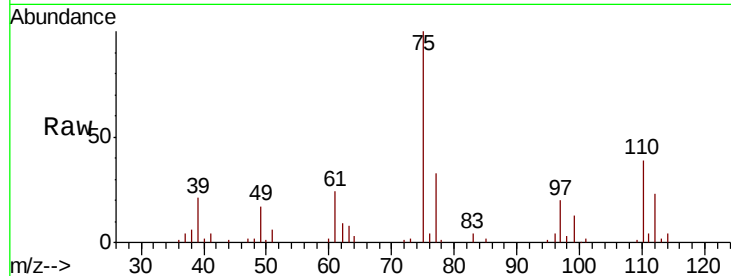




#59
 1,2,3-Trichloropropane
 Concen: 5.604 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. -0.00 min
 Lab File: VU041666.D
 Acq: 18 Dec 2020 09:04

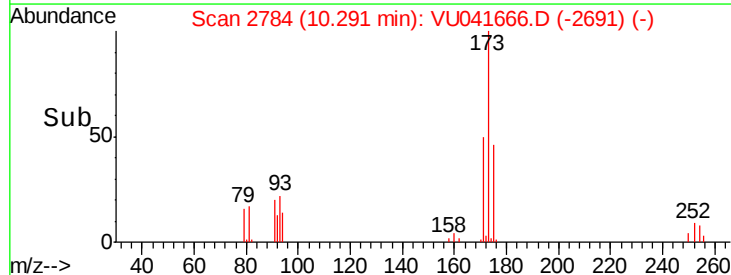
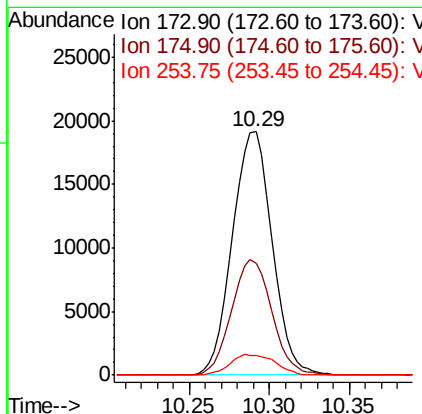
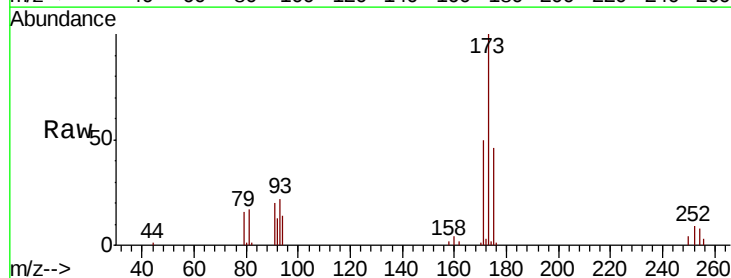
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

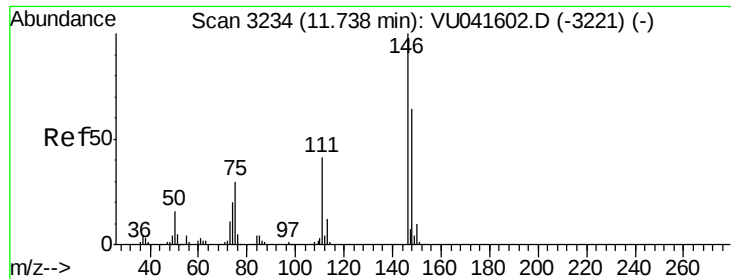
Tot Ion: 75 Resp: 41335
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.2 39.2



#61
 Bromoform
 Concen: 6.263 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU041666.D
 Acq: 18 Dec 2020 09:04

Tgt Ion: 173 Resp: 32411
 Ion Ratio Lower Upper
 173 100
 175 48.0 37.3 55.9
 254 9.5 7.4 11.2

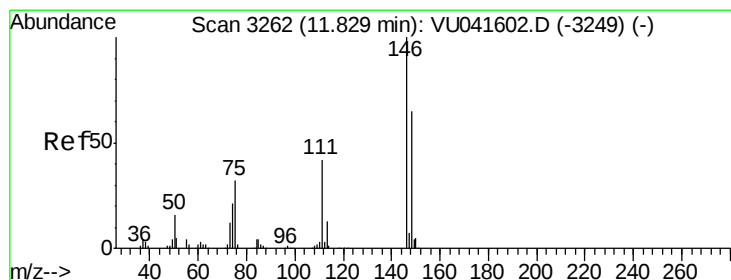
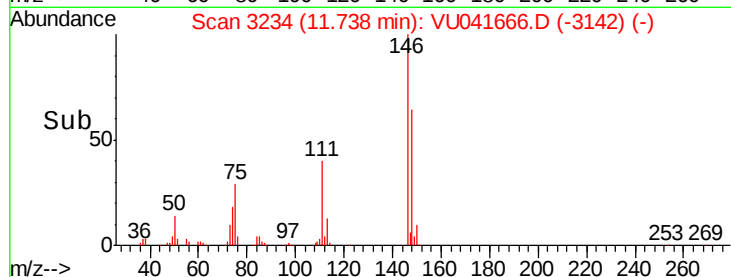
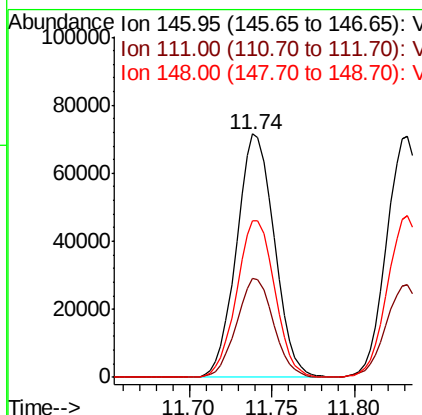
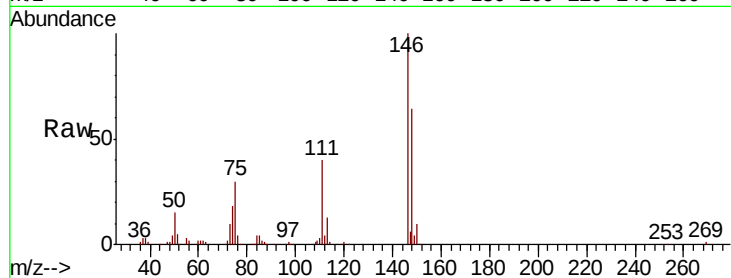




#62
 1,3-Dichlorobenzene
 Concen: 5.428 ug/L
 RT: 11.74 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU041666.D
 Acq: 18 Dec 2020 09:04

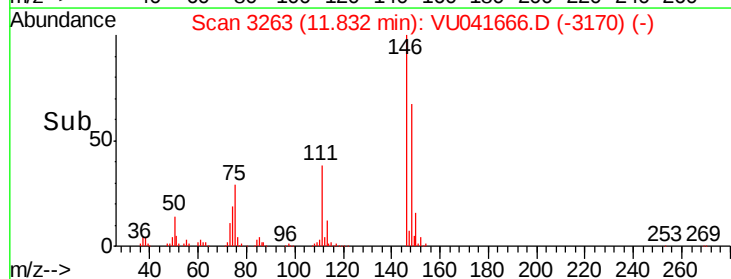
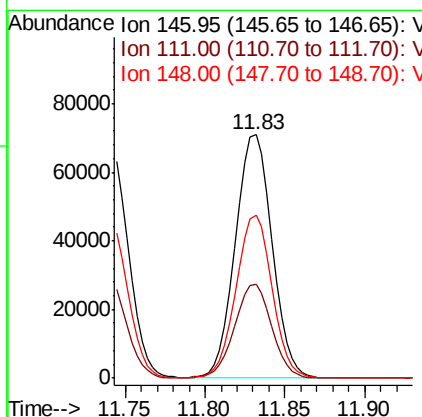
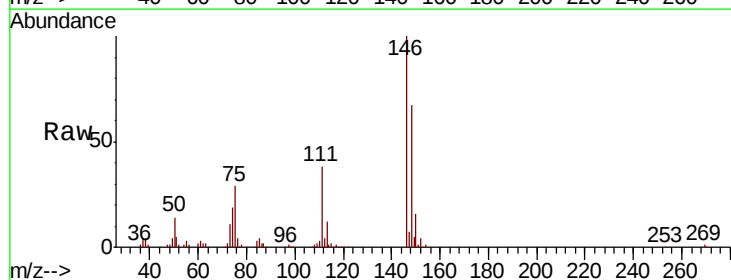
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

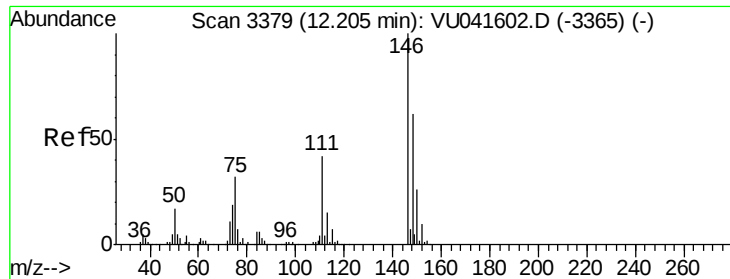
Tot Ion:146 Resp: 113633
 Ion Ratio Lower Upper
 146 100
 111 40.4 30.0 55.8
 148 64.1 44.9 83.3



#63
 1,4-Dichlorobenzene
 Concen: 5.277 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041666.D
 Acq: 18 Dec 2020 09:04

Tgt Ion:146 Resp: 111091
 Ion Ratio Lower Upper
 146 100
 111 38.4 27.9 51.9
 148 67.0 45.0 83.6

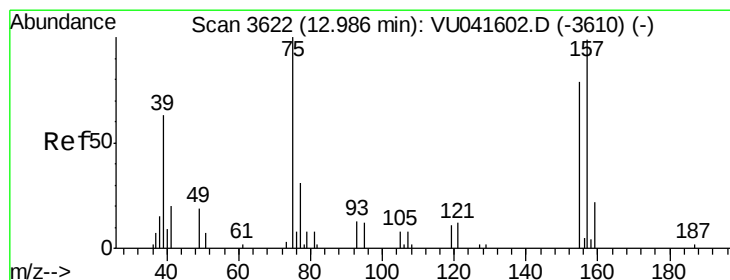
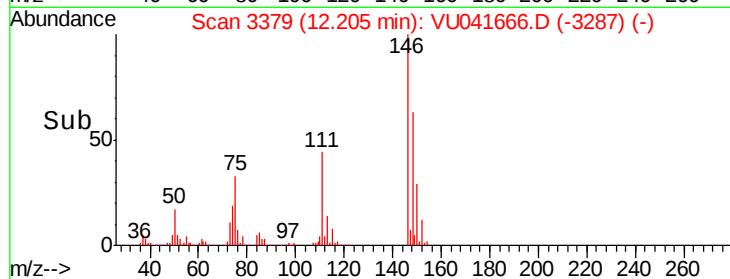
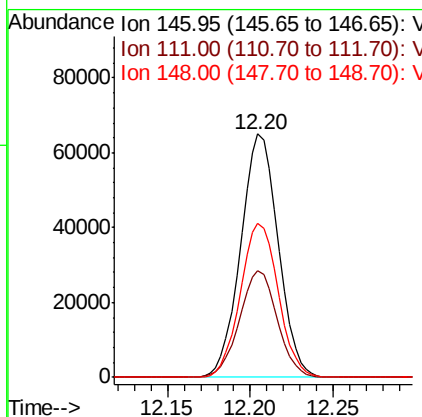
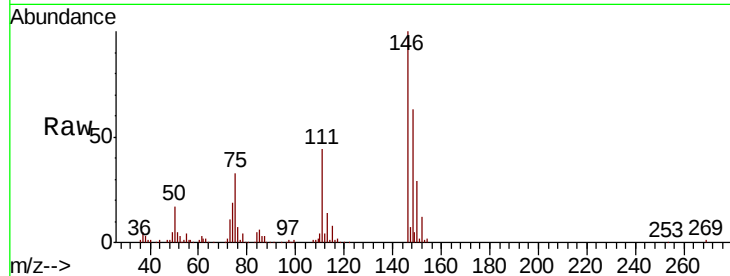




#65
 1,2-Dichlorobenzene
 Concen: 4.989 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU041666.D
 Acq: 18 Dec 2020 09:04

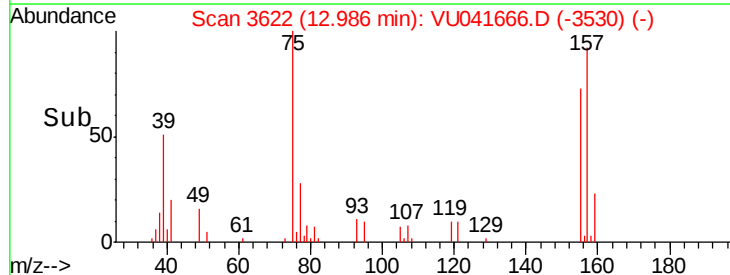
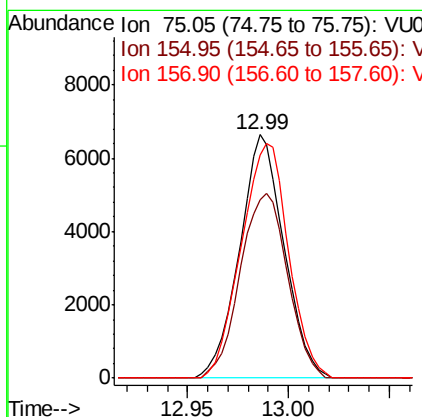
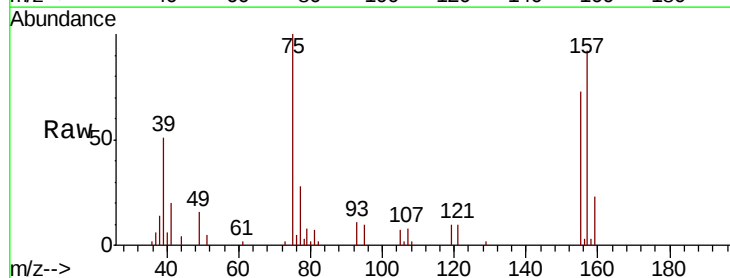
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

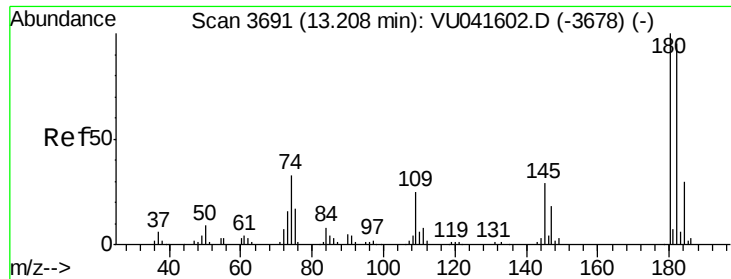
Tot Ion:146 Resp: 102284
 Ion Ratio Lower Upper
 146 100
 111 44.0 35.0 52.6
 148 63.1 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.331 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU041666.D
 Acq: 18 Dec 2020 09:04

Tgt Ion: 75 Resp: 10249
 Ion Ratio Lower Upper
 75 100
 155 73.3 57.4 86.0
 157 91.6 72.4 108.6

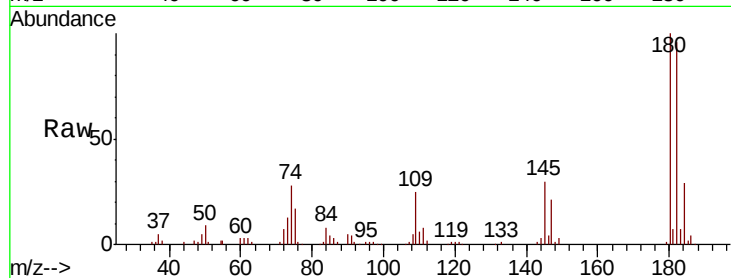




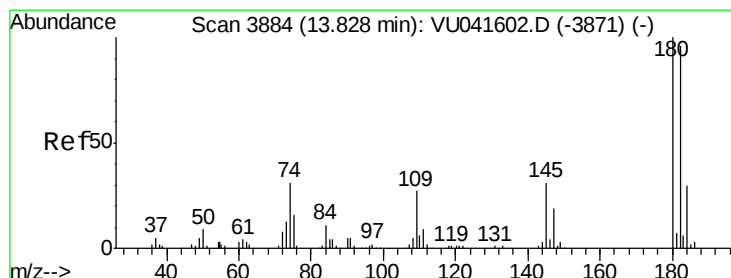
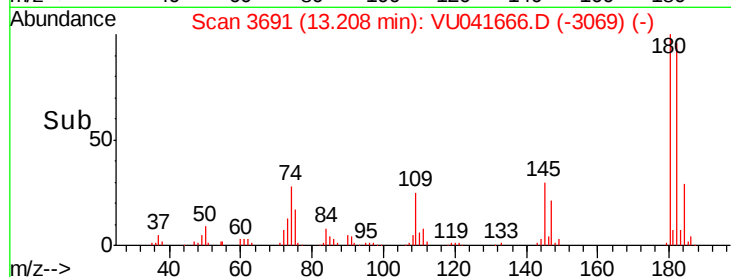
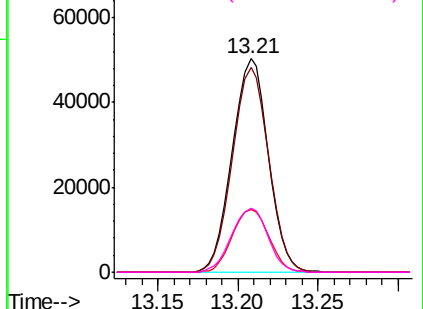
#67
 1,3,5-Trichlorobenzene
 Concen: 4.859 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041666.D
 Acq: 18 Dec 2020 09:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Tot Ion:180 Resp: 77219
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.3 114.5
 184 29.6 24.1 36.1
 145 30.2 24.1 36.1

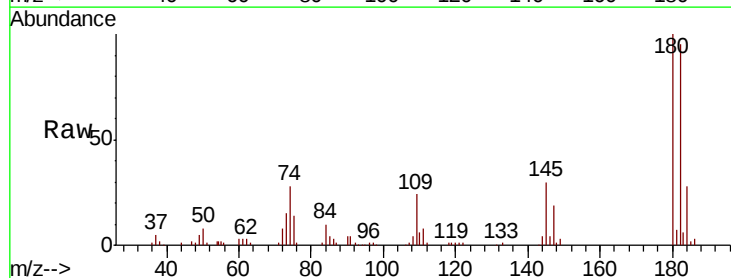


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

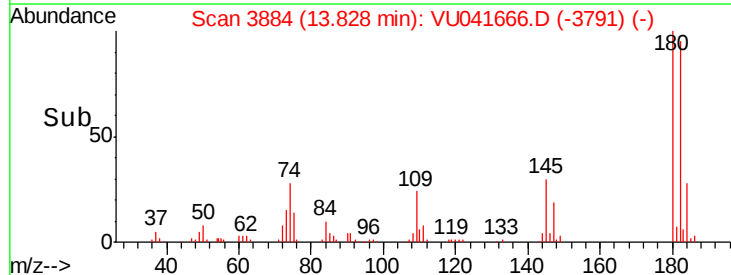
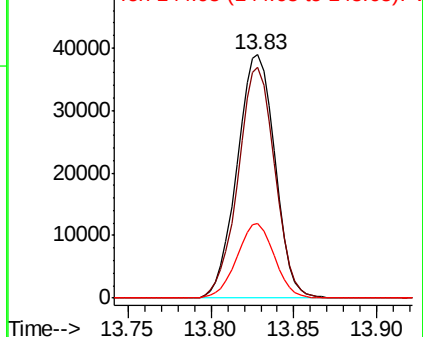


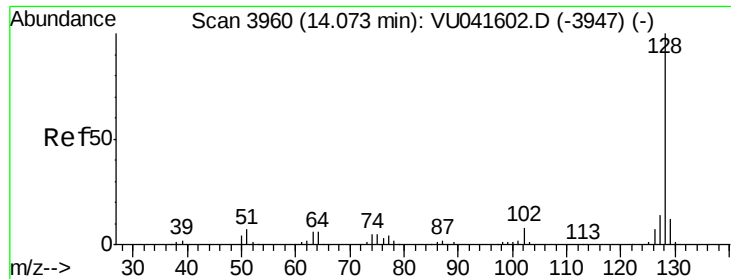
#68
 1,2,4-trichlorobenzene
 Concen: 4.643 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041666.D
 Acq: 18 Dec 2020 09:04

Tgt Ion:180 Resp: 61924
 Ion Ratio Lower Upper
 180 100
 182 92.1 75.4 113.0
 145 30.3 24.5 36.7



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: 4.307 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. 0.00 min

Lab File: VU041666.D

Acq: 18 Dec 2020 09:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

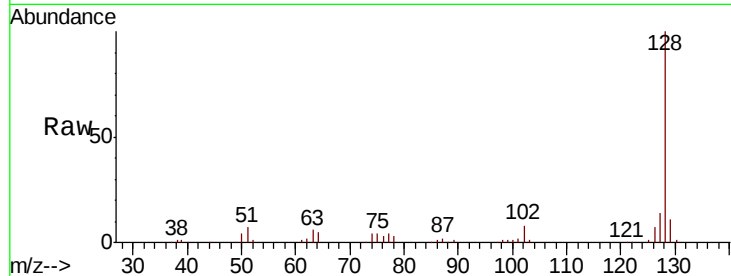
Tot Ion:128 Resp: 118903

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

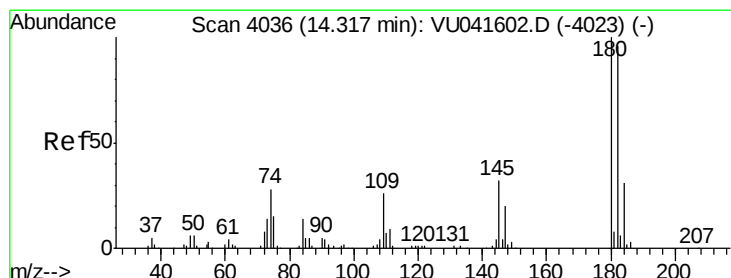
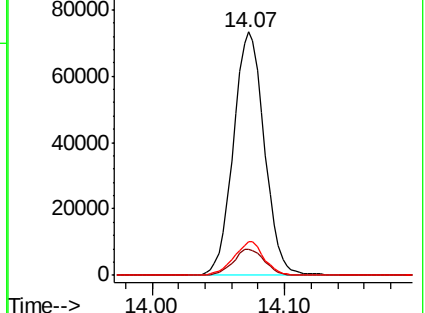
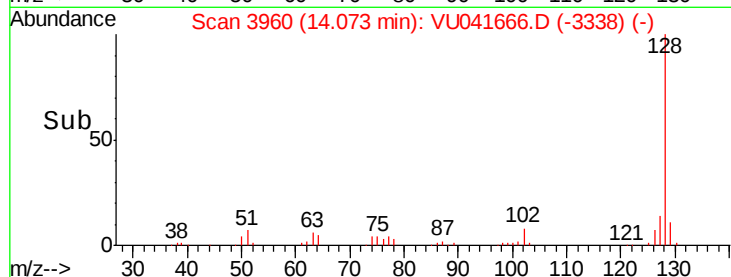
127 13.4 10.2 15.4



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: 4.523 ug/L

RT: 14.31 min Scan# 4035

Delta R.T. -0.00 min

Lab File: VU041666.D

Acq: 18 Dec 2020 09:04

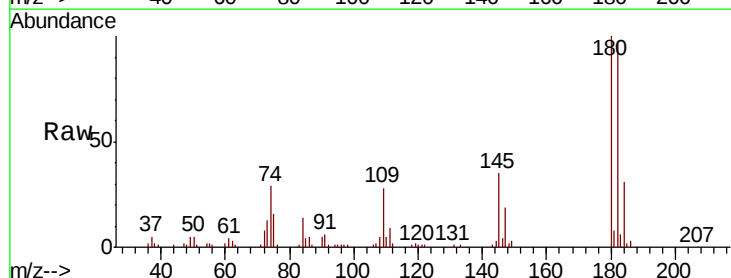
Tgt Ion:180 Resp: 57490

Ion Ratio Lower Upper

180 100

182 95.7 77.0 115.4

145 33.2 26.4 39.6



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

