

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112719\
 Data File : VV013813.D
 Acq On : 27 Nov 2019 10:28
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 28 02:50:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 27 03:09:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	360883	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	361098	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	198022	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	85679	3.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.80%
7) Chloroethane-d5	1.58	69	82752	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.13	63	165120	4.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.80%
20) 2-Butanone-d5	3.95	46	214756	46.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.50%
24) Chloroform-d	4.39	84	206773	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.07	65	103007	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.09	84	401230	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
36) 1,2-Dichloropropane-d6	6.11	67	121212	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.40%
41) Toluene-d8	7.35	98	381357	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
43) trans-1,3-Dichloropropene-	7.66	79	48530	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
46) 2-Hexanone-d5	8.13	63	207052	51.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.90%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	92882	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	154241	4.41	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	128996	5.367 ug/L	97
3) Chloromethane	1.25	50	104484	4.950 ug/L	99
5) Vinyl chloride	1.32	62	114676	5.319 ug/L	100
6) Bromomethane	1.53	94	51047	4.497 ug/L	99
8) Chloroethane	1.60	64	71049	5.469 ug/L	99
9) Trichlorofluoromethane	1.77	101	182685	5.457 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	109681	5.514 ug/L	99
12) 1,1-Dichloroethene	2.14	96	92796	5.348 ug/L	84
13) Acetone	2.22	43	131239	40.417 ug/L #	56
14) Carbon disulfide	2.31	76	201325	5.026 ug/L	99
15) Methyl Acetate	2.47	43	48760	6.708 ug/L #	88
16) Methylene chloride	2.53	84	111513	4.692 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	245730	5.175 ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	102474	5.230 ug/L	99
19) 1,1-Dichloroethane	3.22	63	212876	5.442 ug/L	98
21) 2-Butanone	4.04	43	234859	47.851 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	117886	5.131 ug/L #	99

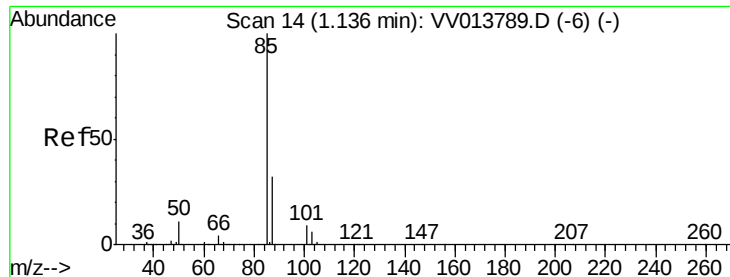
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112719\
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 QLast Update : Wed Nov 27 03:09:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	54359	5.384	ug/L	97
25) Chloroform	4.42	83	231048	5.572	ug/L	100
27) 1,2-Dichloroethane	5.17	62	125974	5.308	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	188779	5.111	ug/L	99
30) Cyclohexane	4.72	56	148695	4.818	ug/L	99
31) Carbon tetrachloride	4.87	117	170694	5.252	ug/L	99
33) Benzene	5.14	78	449634	5.076	ug/L	100
34) Trichloroethene	5.95	95	123724	5.063	ug/L	97
35) Methylcyclohexane	6.17	83	162569	4.986	ug/L	96
37) 1,2-Dichloropropane	6.22	63	113764	4.997	ug/L	99
38) Bromodichloromethane	6.55	83	152785	5.086	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	159682	4.943	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	676825	50.954	ug/L	97
42) Toluene	7.42	91	507241	5.339	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	128639	5.088	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	86197	5.313	ug/L	95
47) Tetrachloroethene	8.01	164	109653	5.168	ug/L	96
48) 2-Hexanone	8.18	43	486800	51.344	ug/L	97
49) Dibromochloromethane	8.28	129	110617	5.316	ug/L	98
50) 1,2-Dibromoethane	8.39	107	76822	5.229	ug/L	96
51) Chlorobenzene	8.92	112	340340	5.148	ug/L	99
52) Ethylbenzene	9.05	91	534924	5.183	ug/L	99
53) m,p-xylene	9.18	106	209801	5.332	ug/L	96
54) o-xylene	9.58	106	199981	5.206	ug/L	96
55) Styrene	9.60	104	359409	5.419	ug/L	96
56) Isopropylbenzene	9.97	105	550258	5.257	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	92394	5.183	ug/L	96
59) 1,2,3-Trichloropropane	10.31	75	74018	5.297	ug/L	99
61) Bromoform	9.77	173	66052	5.300	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	305309	5.307	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	296293	5.060	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	272660	5.107	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	13488	4.347	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	238555	4.909	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	189648	4.759	ug/L	99
69) Naphthalene	13.55	128	235034	4.331	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	182265	5.020	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 5.367 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013813.D

Acq: 27 Nov 2019 10:28

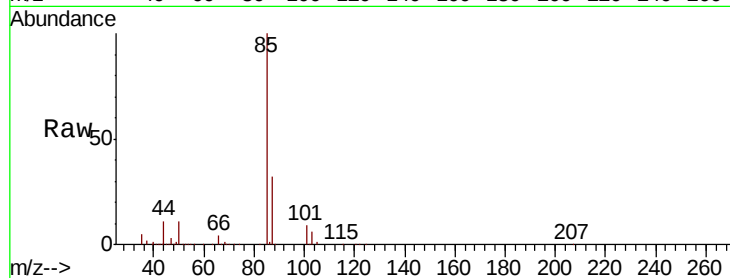
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 128996

Ion Ratio Lower Upper

85 100

87 32.5 27.4 41.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

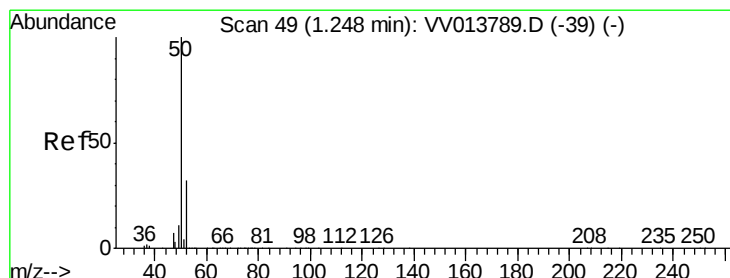
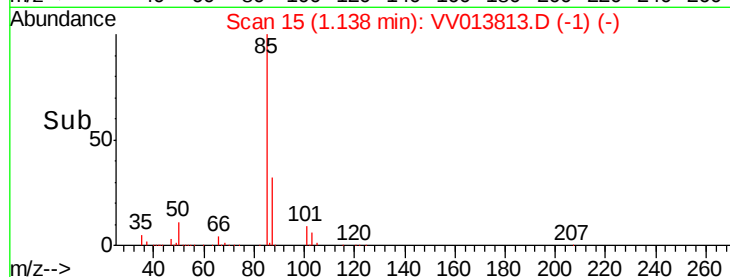
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.950 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013813.D

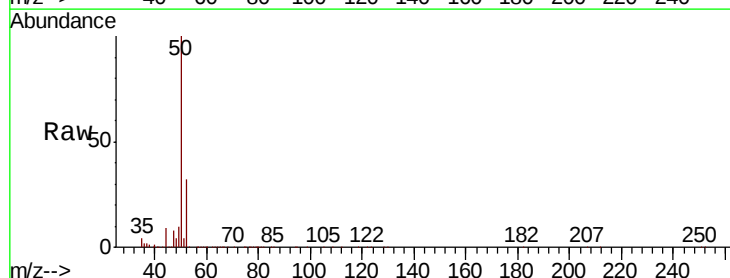
Acq: 27 Nov 2019 10:28

Tgt Ion: 50 Resp: 104484

Ion Ratio Lower Upper

50 100

52 31.7 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.25

120000

100000

80000

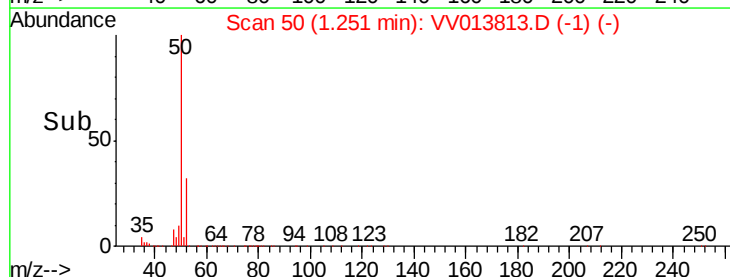
60000

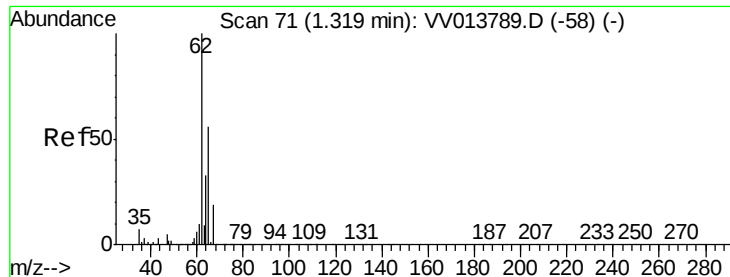
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 5.319 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013813.D

Acq: 27 Nov 2019 10:28

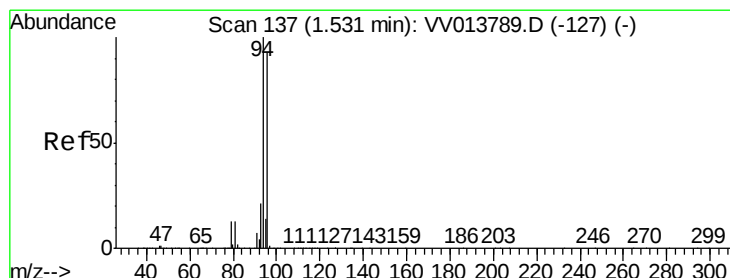
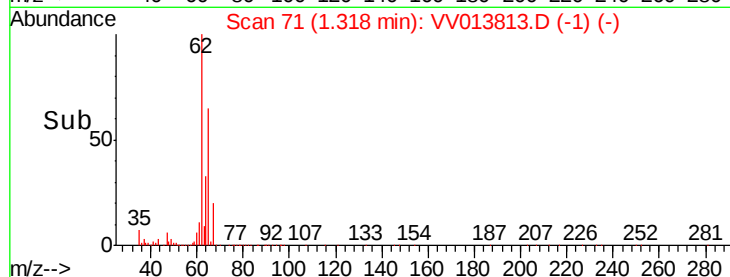
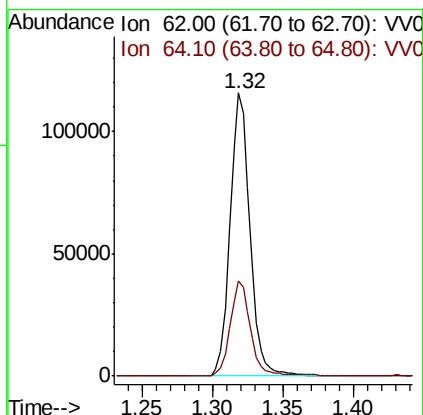
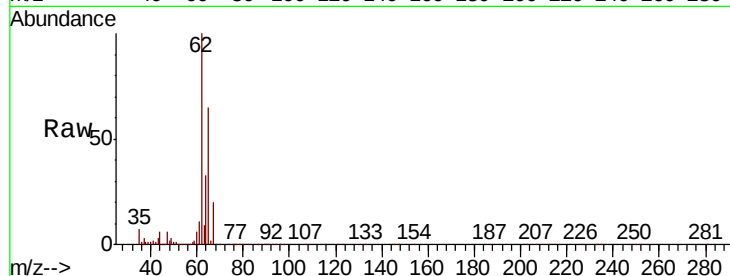
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 114676

Ion Ratio Lower Upper

62 100

64 33.4 23.3 43.3



#6

Bromomethane

Concen: 4.497 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV013813.D

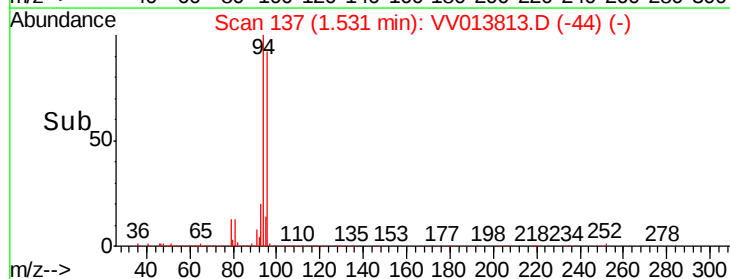
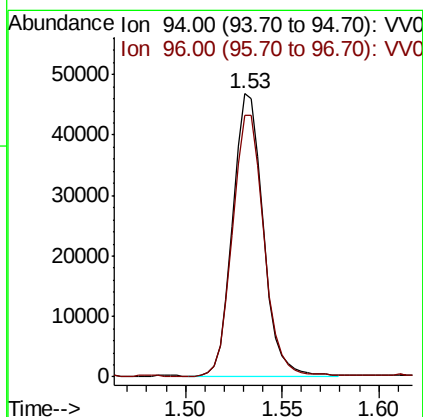
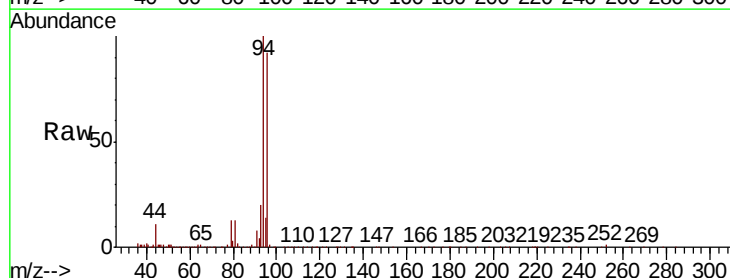
Acq: 27 Nov 2019 10:28

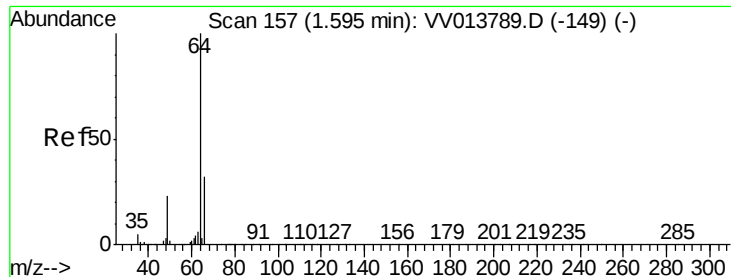
Tgt Ion: 94 Resp: 51047

Ion Ratio Lower Upper

94 100

96 92.4 65.2 121.0





#8

Chloroethane

Concen: 5.469 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV013813.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_V

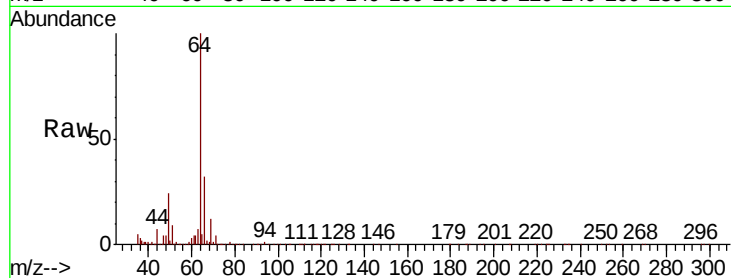
ClientSampleId :

Tot Ion: 64 Resp: 71049

Ion Ratio Lower Upper

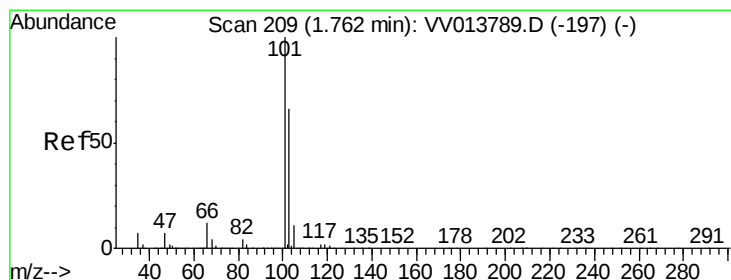
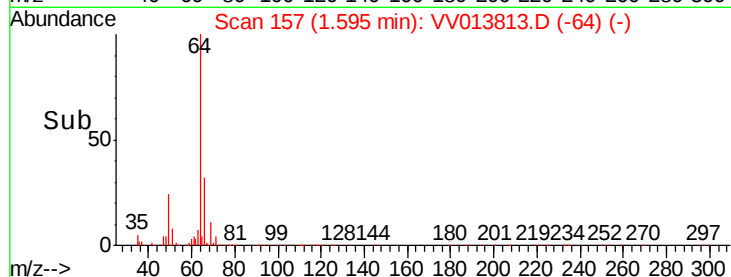
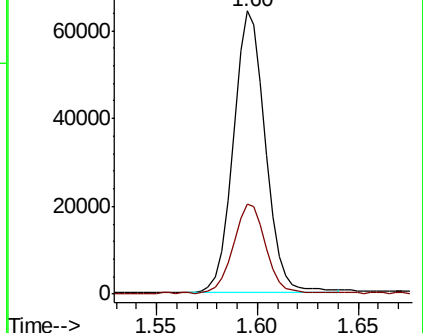
64 100

66 31.7 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VV013813.D (-64) (-)

Ion 66.05 (65.75 to 66.75): VV013813.D (-64) (-)



#9

Trichlorofluoromethane

Concen: 5.457 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV013813.D

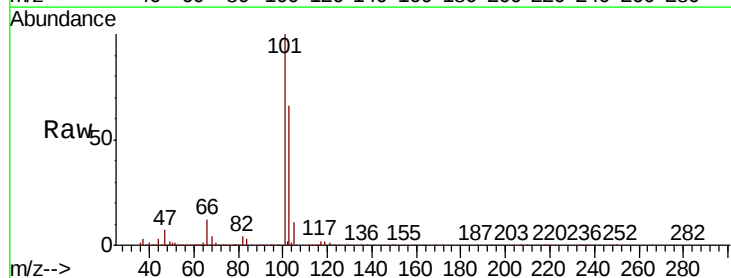
Acq: 27 Nov 2019 10:28

Tgt Ion: 101 Resp: 182685

Ion Ratio Lower Upper

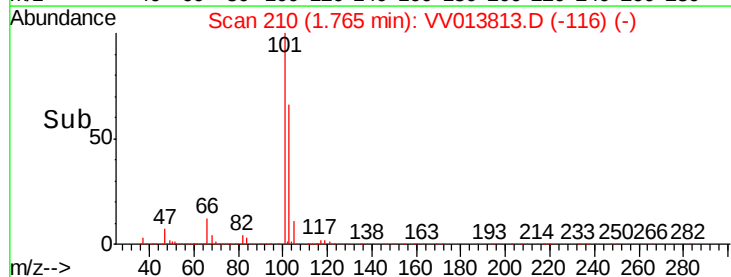
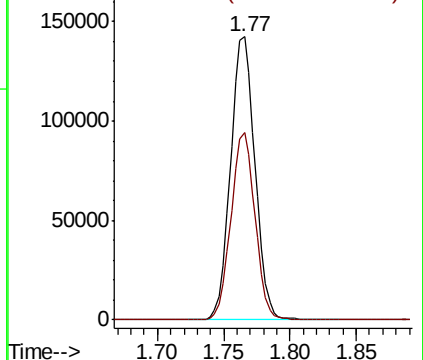
101 100

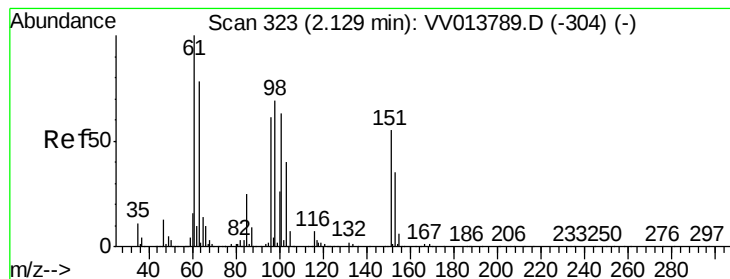
103 64.6 52.9 79.3



Abundance Ion 101.00 (100.70 to 101.70): VV013813.D (-116) (-)

Ion 103.00 (102.70 to 103.70): VV013813.D (-116) (-)





#10

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

Concen: 5.514 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV013813.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_V

ClientSampleId :

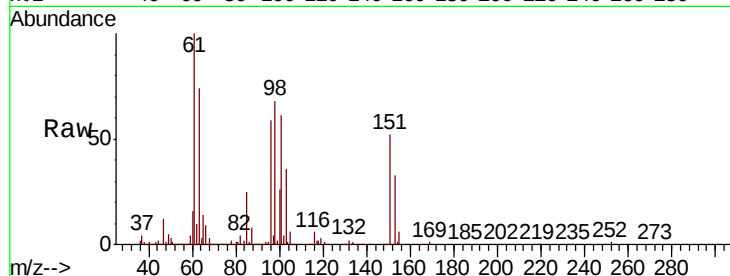
Tot Ion:101 Resp: 109681

Ion Ratio Lower Upper

101 100

85 40.9 33.4 50.0

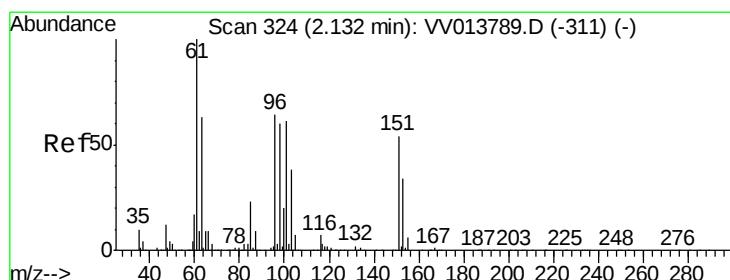
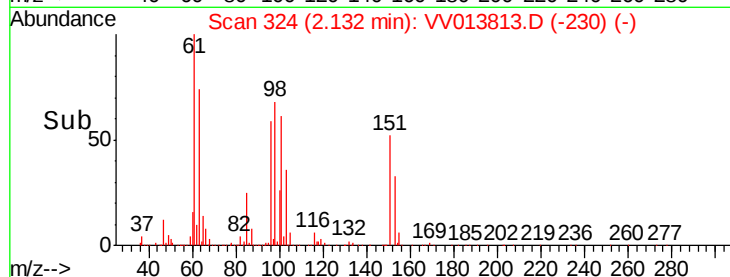
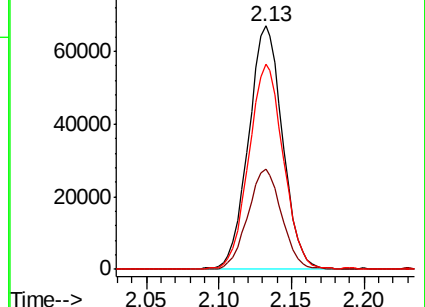
151 85.6 69.4 104.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.348 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013813.D

Acq: 27 Nov 2019 10:28

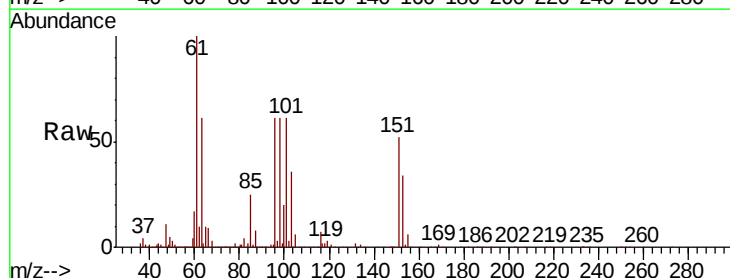
Tgt Ion: 96 Resp: 92796

Ion Ratio Lower Upper

96 100

61 163.4 116.3 215.9

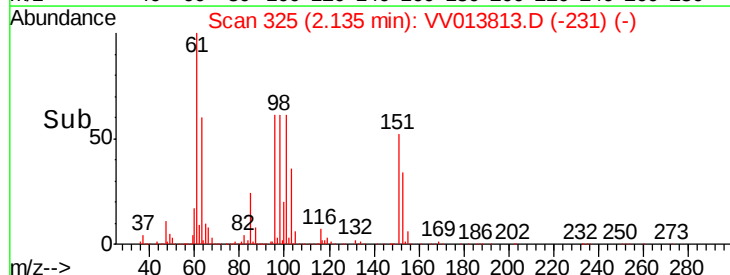
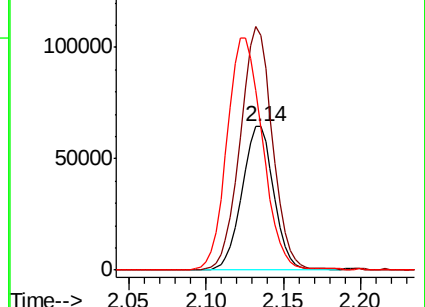
63 99.0 96.7 179.7

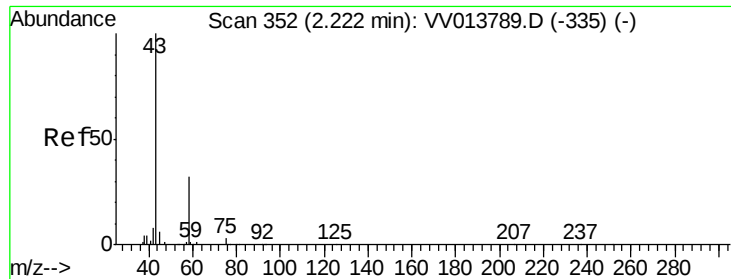


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 40.417 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.01 min

Lab File: VV013813.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_V

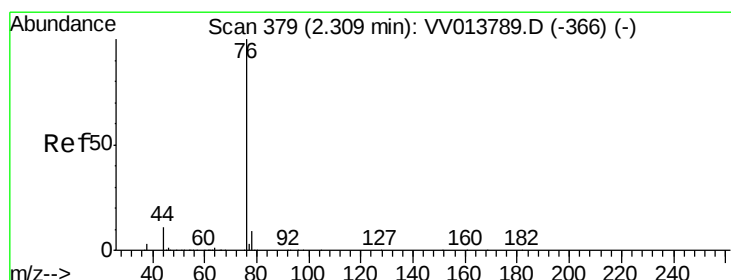
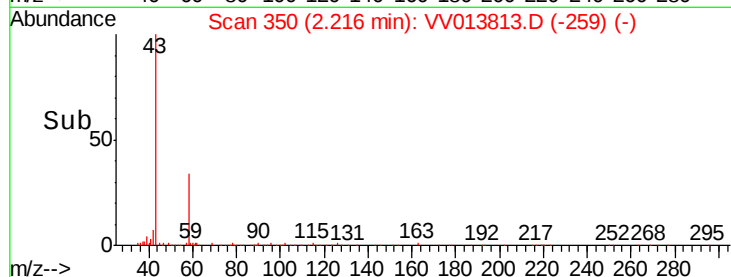
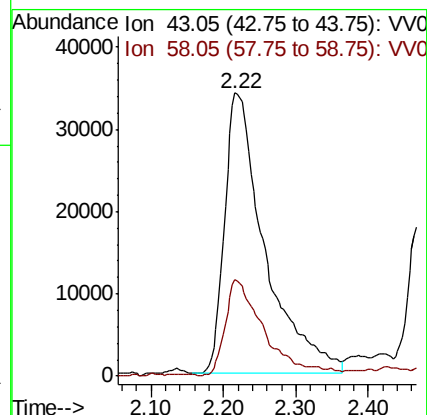
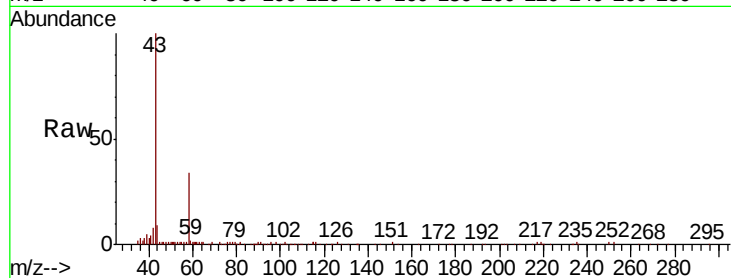
ClientSampleId :

Tot Ion: 43 Resp: 131239

Ion Ratio Lower Upper

43 100

58 31.5 0.0 27.2#



#14

Carbon disulfide

Concen: 5.026 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV013813.D

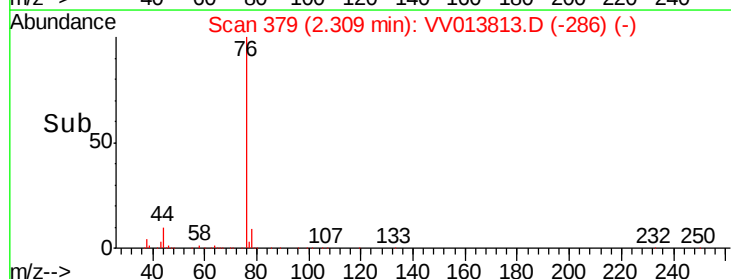
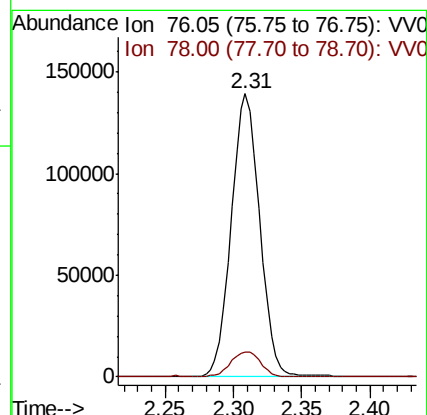
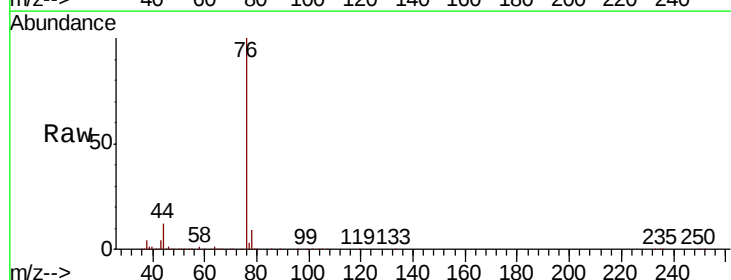
Acq: 27 Nov 2019 10:28

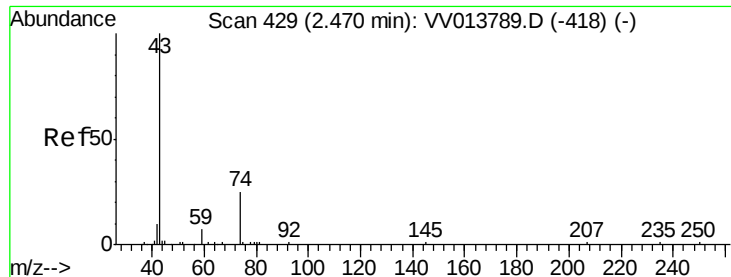
Tgt Ion: 76 Resp: 201325

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3

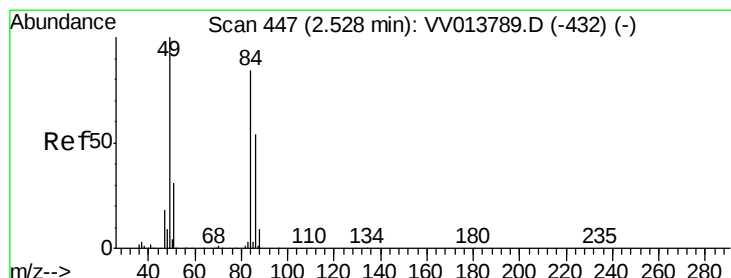
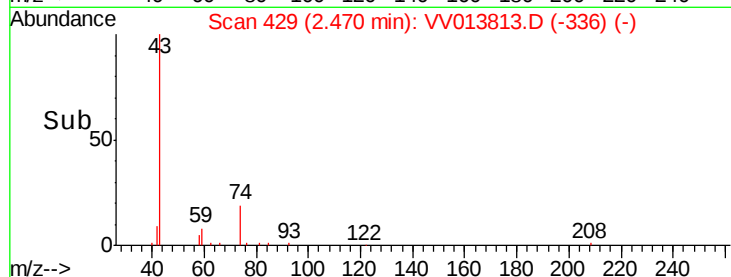
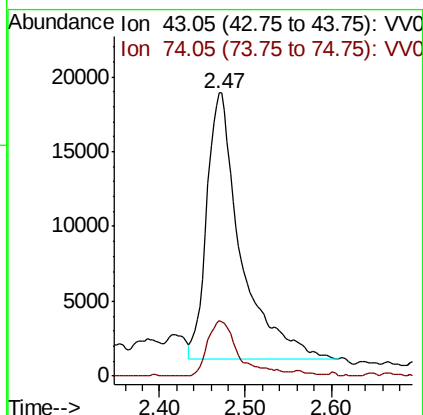
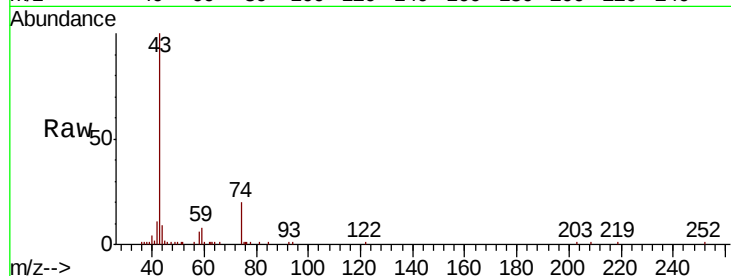




#15
Methvl Acetate
Concen: 6.708 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV013813.D
Acq: 27 Nov 2019 10:28

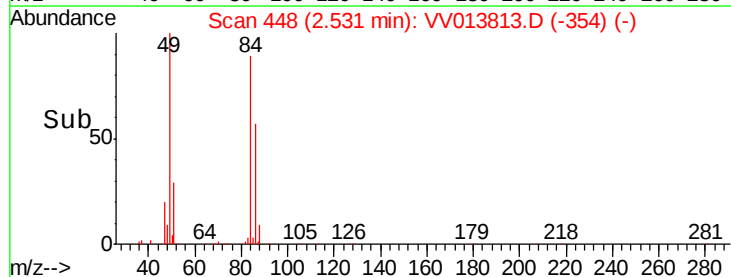
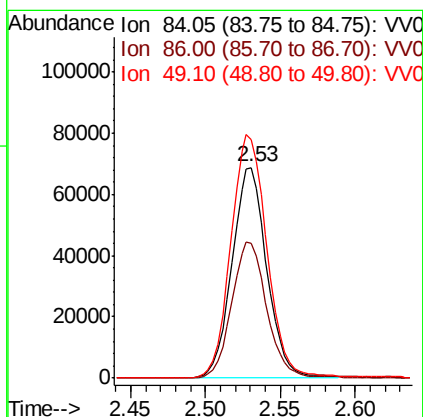
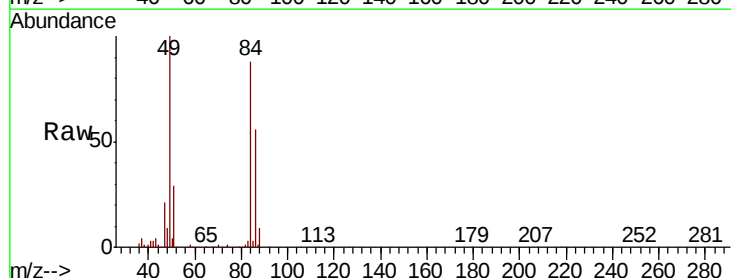
Instrument :
MSVOA_V
ClientSampleId :

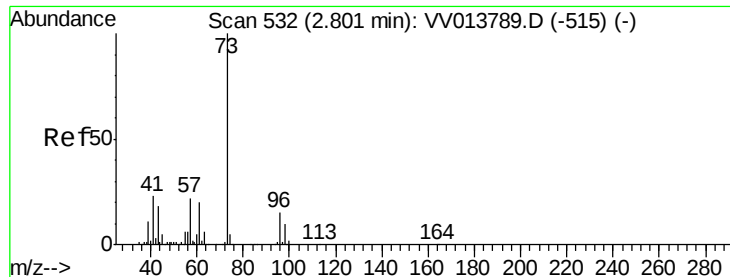
Tot Ion: 43 Resp: 48760
Ion Ratio Lower Upper
43 100
74 19.4 20.5 30.7#



#16
Methylene chloride
Concen: 4.692 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV013813.D
Acq: 27 Nov 2019 10:28

Tgt Ion: 84 Resp: 111513
Ion Ratio Lower Upper
84 100
86 63.9 44.0 81.6
49 113.3 81.5 151.5

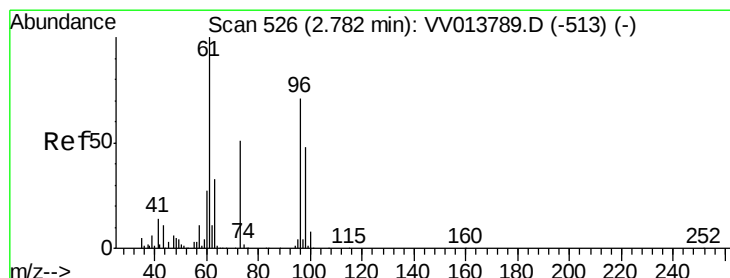
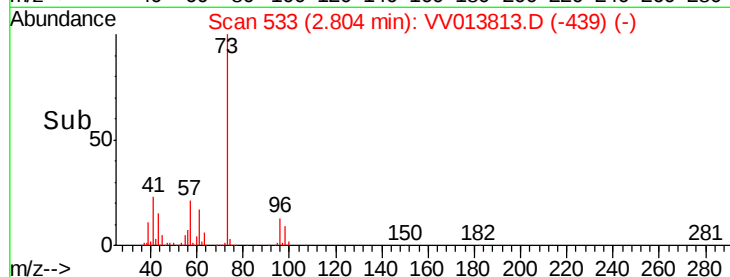
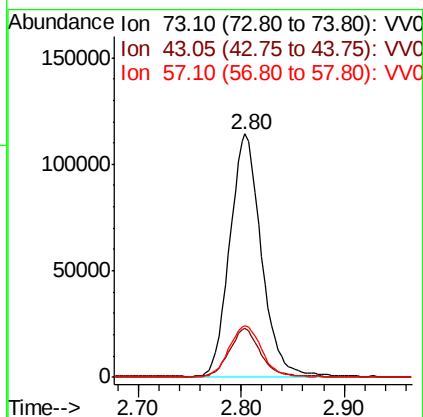
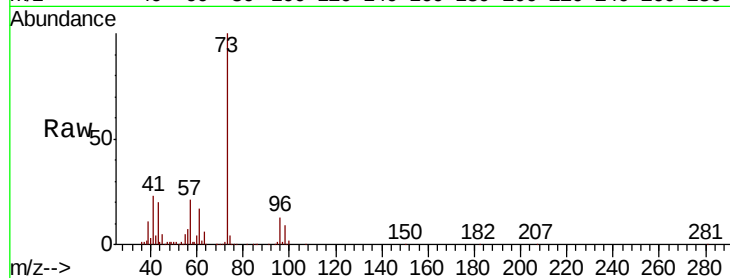




#17
Methvl tert-butvl Ether
Concen: 5.175 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV013813.D
Acq: 27 Nov 2019 10:28

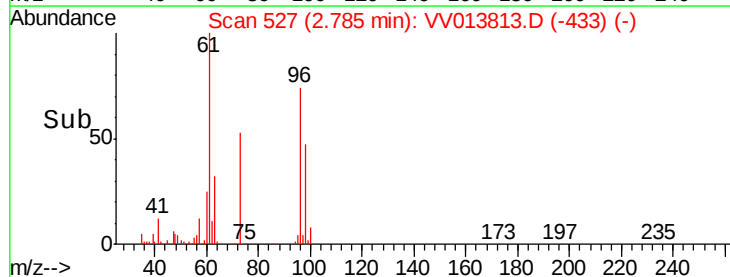
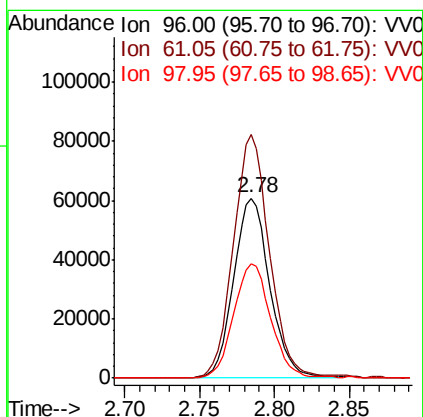
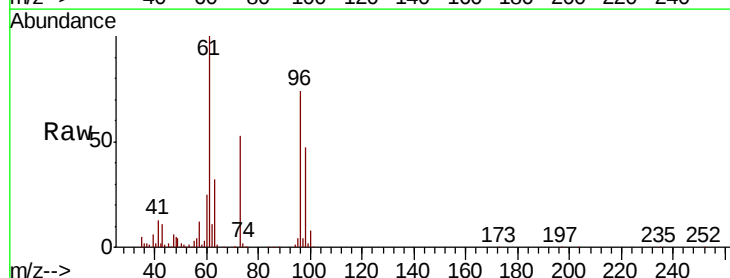
Instrument :
MSVOA_V
ClientSampleId :

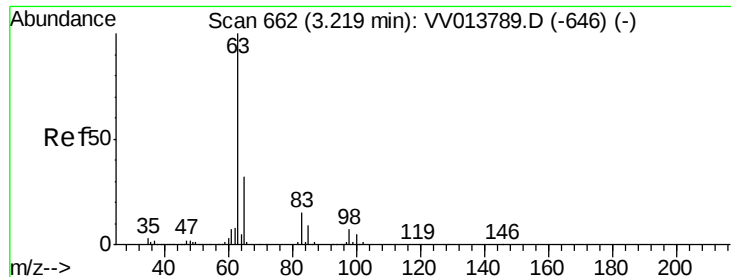
Tot Ion: 73 Resp: 245730
Ion Ratio Lower Upper
73 100
43 19.7 15.5 23.3
57 21.9 17.5 26.3



#18
trans-1,2-Dichloroethene
Concen: 5.230 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV013813.D
Acq: 27 Nov 2019 10:28

Tgt Ion: 96 Resp: 102474
Ion Ratio Lower Upper
96 100
61 135.4 95.1 176.7
98 63.9 46.5 86.3

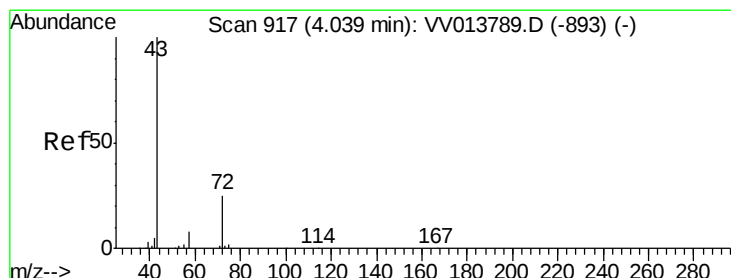
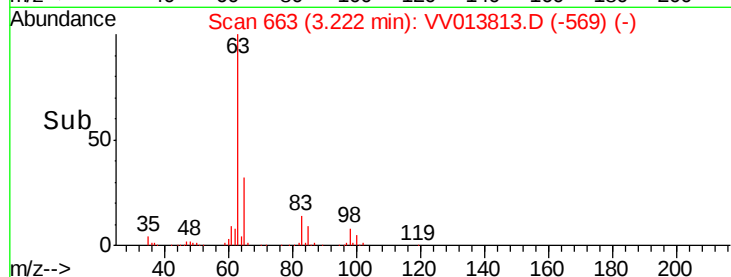
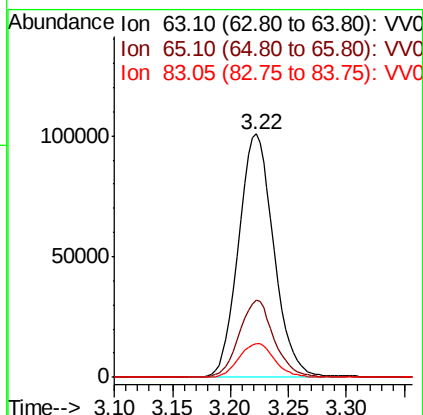
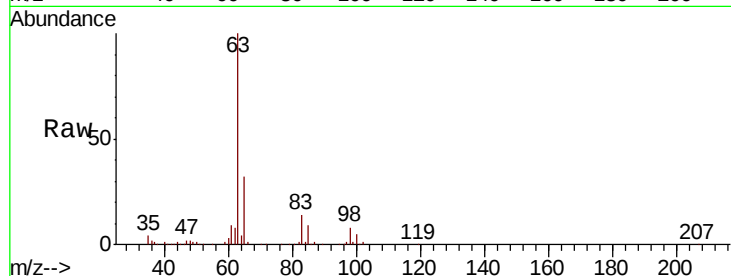




#19
 1,1-Dichloroethane
 Concen: 5.442 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: VV013813.D
 Acq: 27 Nov 2019 10:28

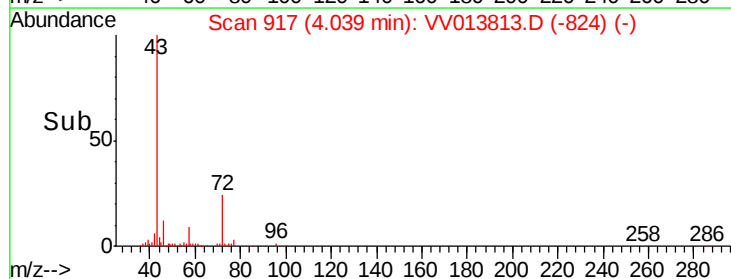
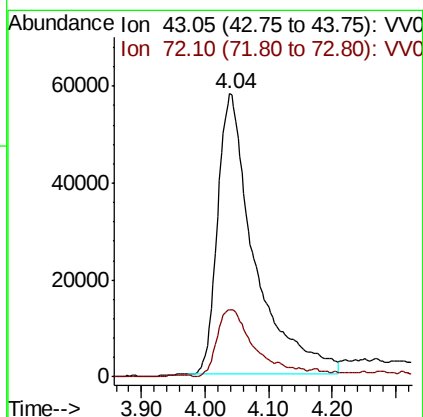
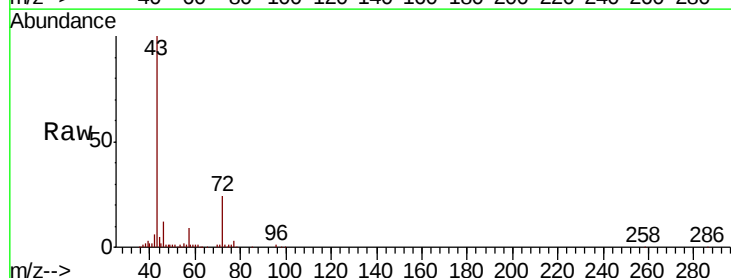
Instrument :
 MSVOA_V
 ClientSampleId :

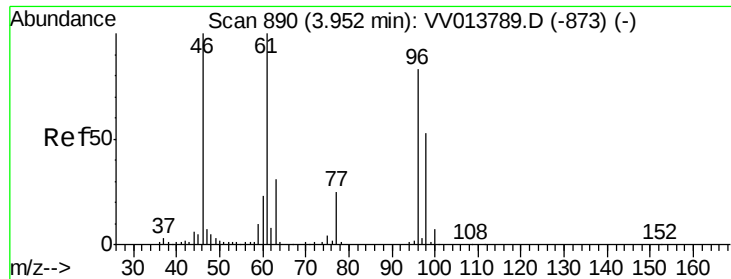
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	22.7	42.1
83	14.1	9.2	17.2



#21
 2-Butanone
 Concen: 47.851 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VV013813.D
 Acq: 27 Nov 2019 10:28

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.9	12.3	36.9



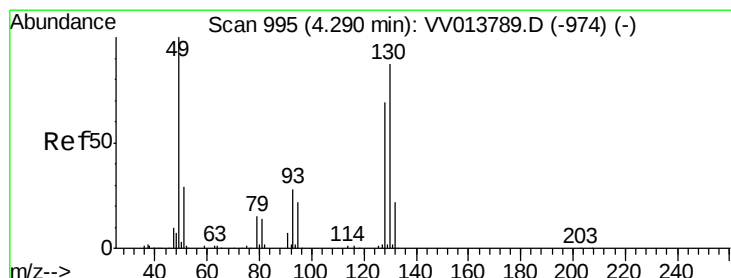
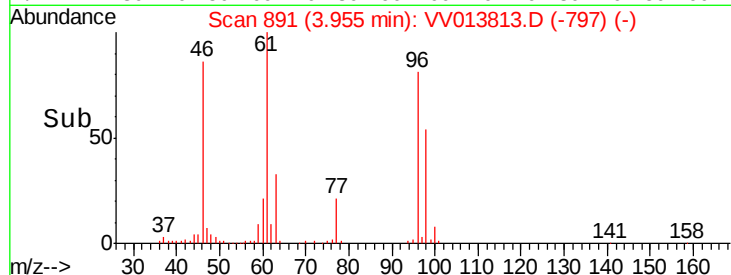
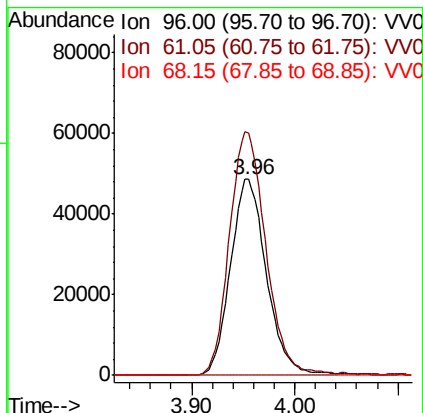
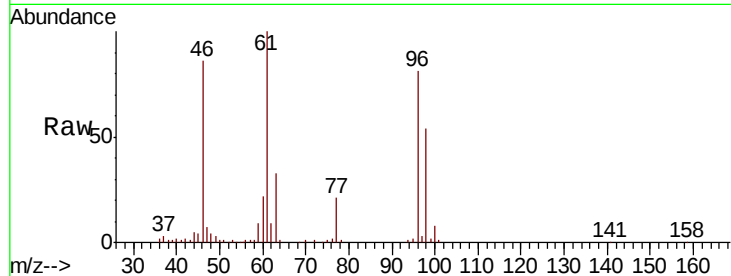


#22

cis-1,2-Dichloroethene
Concen: 5.131 ug/L
RT: 3.96 min Scan# 891
Delta R.T. 0.00 min
Lab File: VV013813.D
Acq: 27 Nov 2019 10:28

Instrument :
MSVOA_V
ClientSampleId :

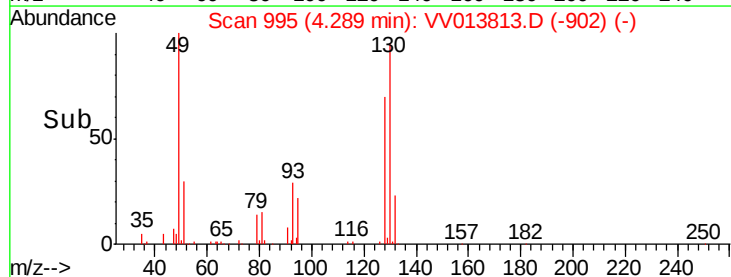
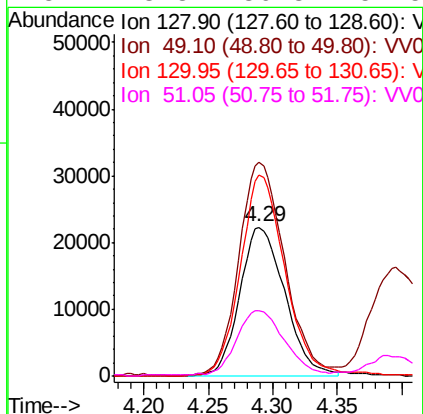
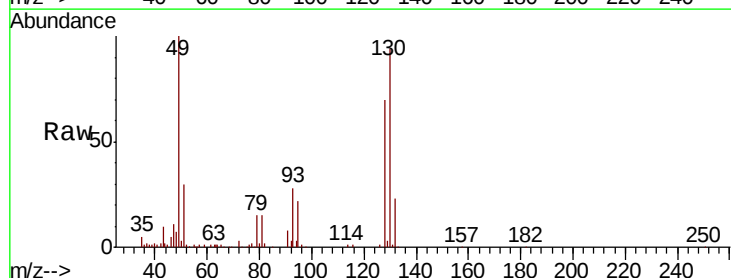
Tot Ion: 96 Resp: 117886
Ion Ratio Lower Upper
96 100
61 123.7 86.1 159.9
68 0.3 0.0 0.0#

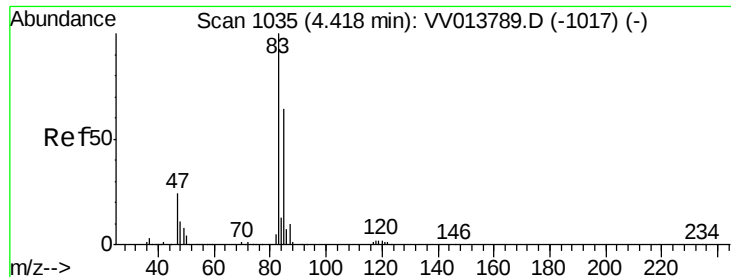


#23

Bromochloromethane
Concen: 5.384 ug/L
RT: 4.29 min Scan# 995
Delta R.T. -0.00 min
Lab File: VV013813.D
Acq: 27 Nov 2019 10:28

Tgt Ion:128 Resp: 54359
Ion Ratio Lower Upper
128 100
49 143.9 100.1 185.9
130 135.1 89.0 165.4
51 43.8 36.3 54.5





#25

Chloroform

Concen: 5.572 ug/L

RT: 4.42 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VV013813.D

Acq: 27 Nov 2019 10:28

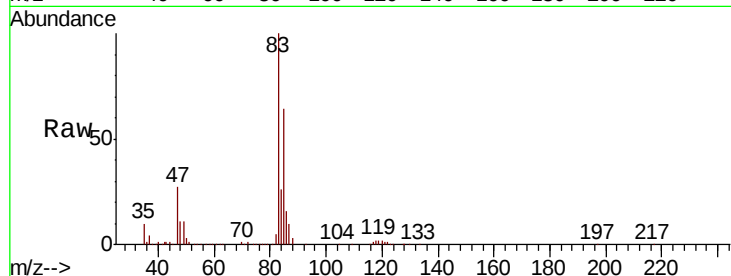
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 231048

Ion Ratio Lower Upper

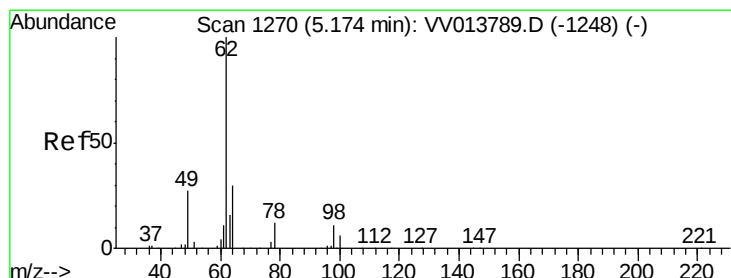
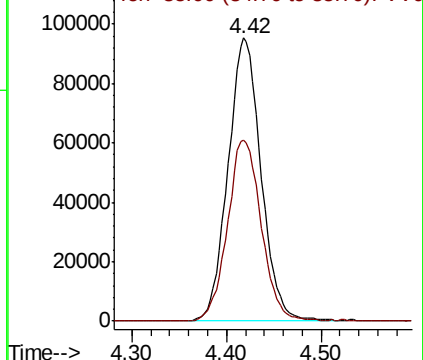
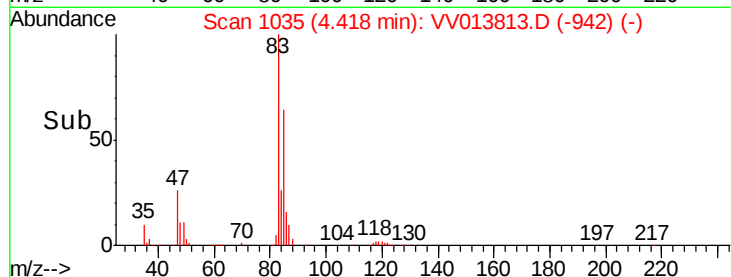
83 100

85 64.1 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VV013813.D (-942) (-)

Ion 85.00 (84.70 to 85.70): VV013813.D (-942) (-)



#27

1,2-Dichloroethane

Concen: 5.308 ug/L

RT: 5.17 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VV013813.D

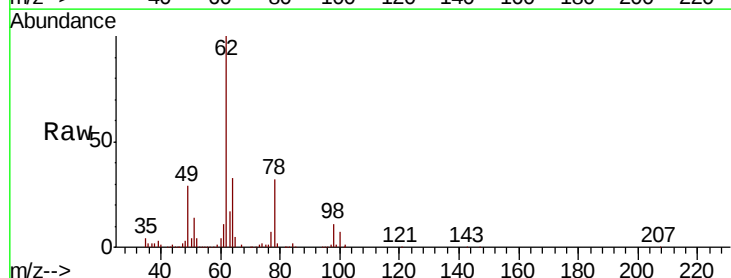
Acq: 27 Nov 2019 10:28

Tgt Ion: 62 Resp: 125974

Ion Ratio Lower Upper

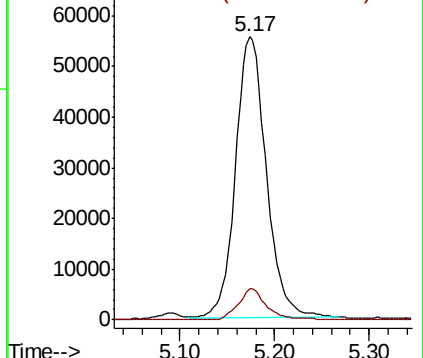
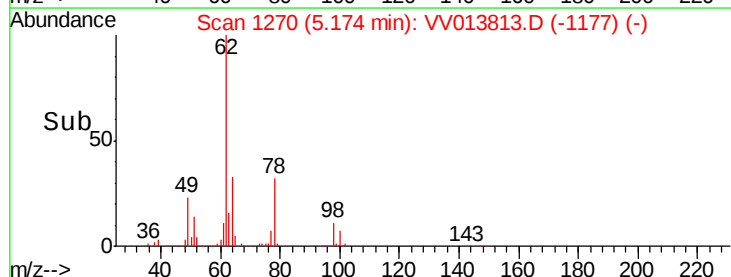
62 100

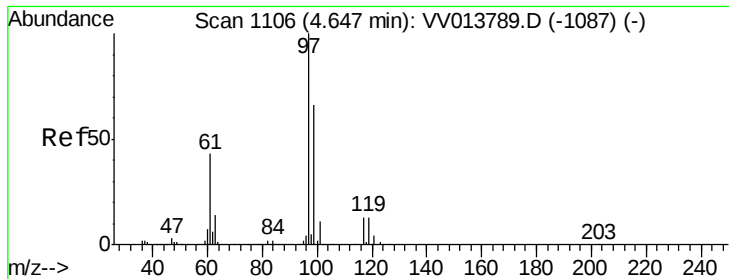
98 10.8 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VV013813.D (-1177) (-)

Ion 98.05 (97.75 to 98.75): VV013813.D (-1177) (-)

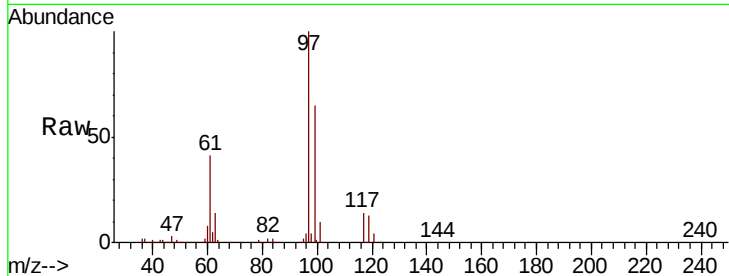




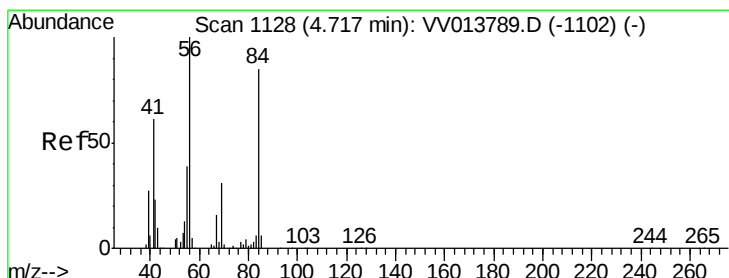
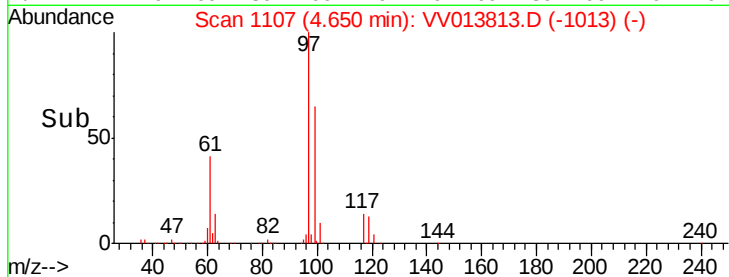
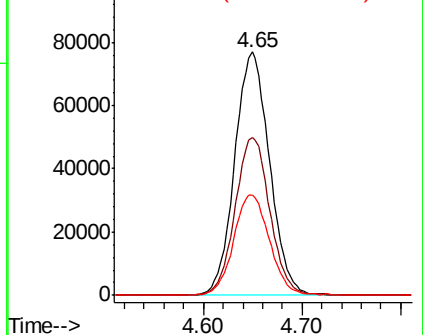
#29
 1,1,1-Trichloroethane
 Concen: 5.111 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: VV013813.D
 Acq: 27 Nov 2019 10:28

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 97 Resp: 188779
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.7 77.5
 61 42.7 35.0 52.6

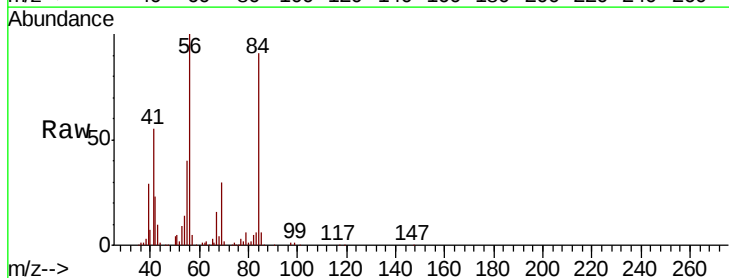


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

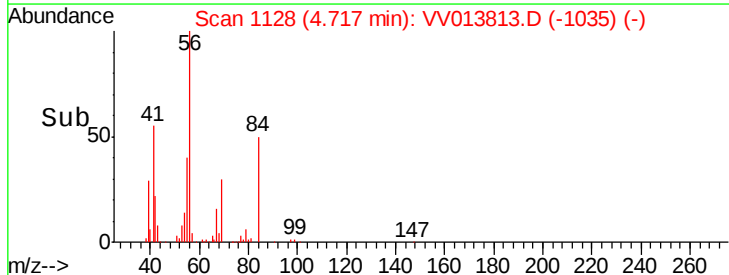
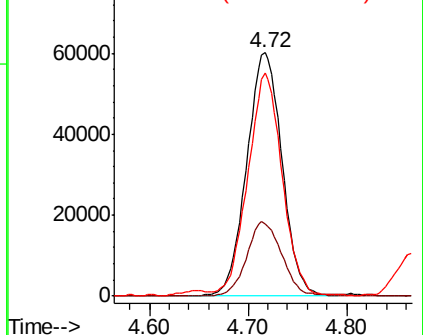


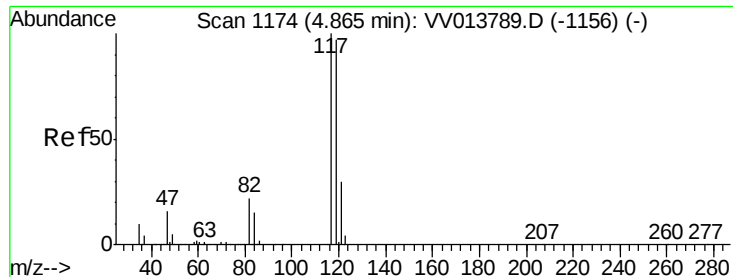
#30
 Cyclohexane
 Concen: 4.818 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VV013813.D
 Acq: 27 Nov 2019 10:28

Tgt Ion: 56 Resp: 148695
 Ion Ratio Lower Upper
 56 100
 69 30.4 24.1 36.1
 84 88.2 69.9 104.9



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.252 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VV013813.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_V

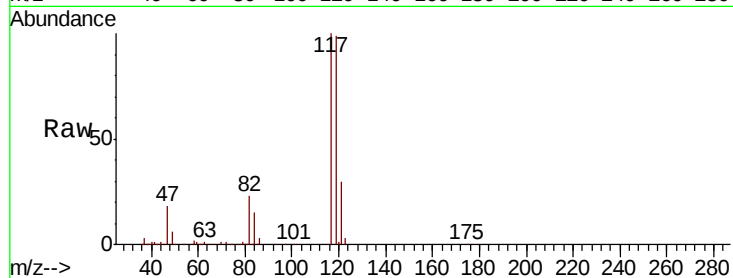
ClientSampleId :

Tot Ion:117 Resp: 170694

Ion Ratio Lower Upper

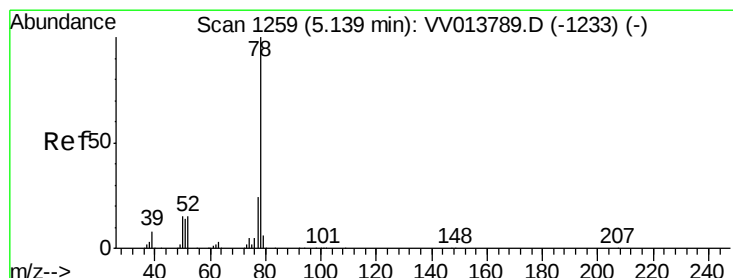
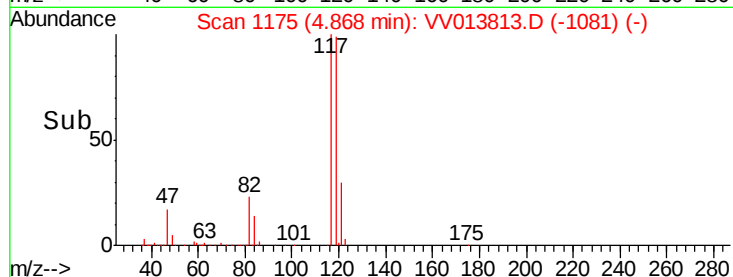
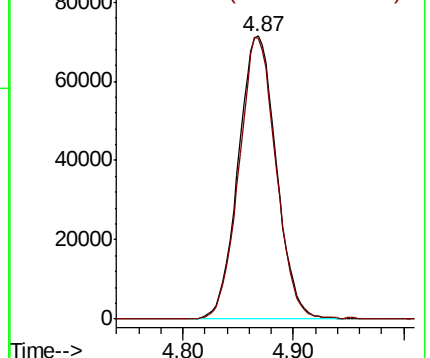
117 100

119 96.5 76.8 115.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.076 ug/L

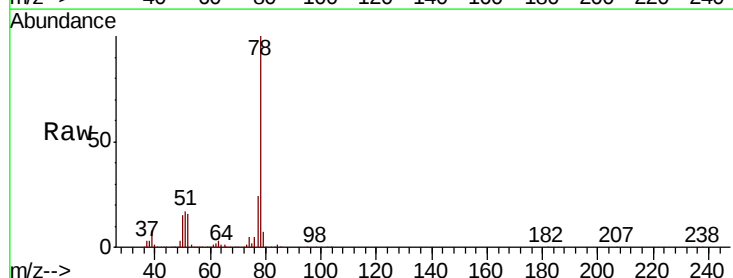
RT: 5.14 min Scan# 1260

Delta R.T. 0.00 min

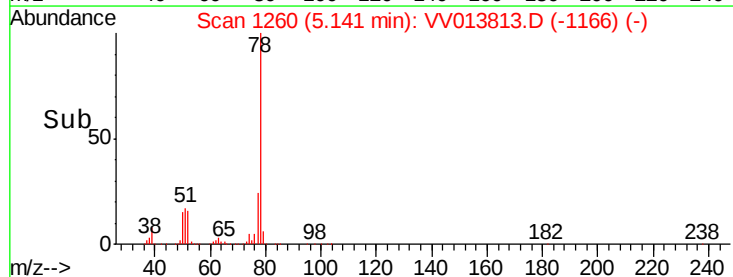
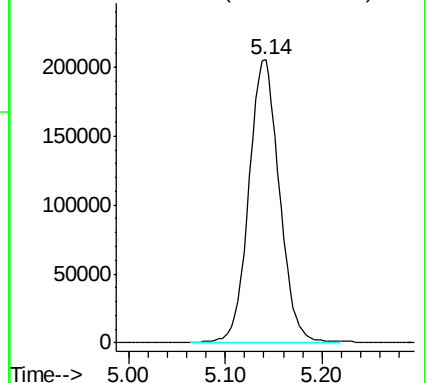
Lab File: VV013813.D

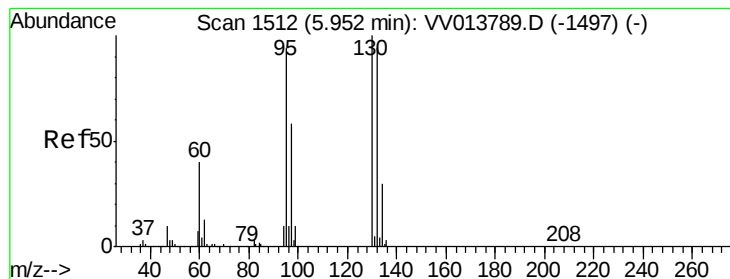
Acq: 27 Nov 2019 10:28

Tgt Ion: 78 Resp: 449634



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.063 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013813.D

Acq: 27 Nov 2019 10:28

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 95 Resp: 123724

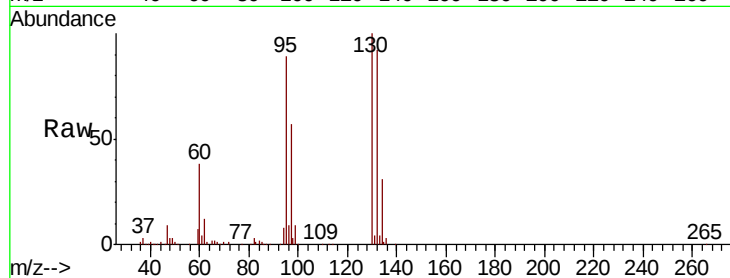
Ion Ratio Lower Upper

95 100

97 64.7 45.6 84.8

132 103.9 70.5 130.9

130 112.9 75.9 140.9

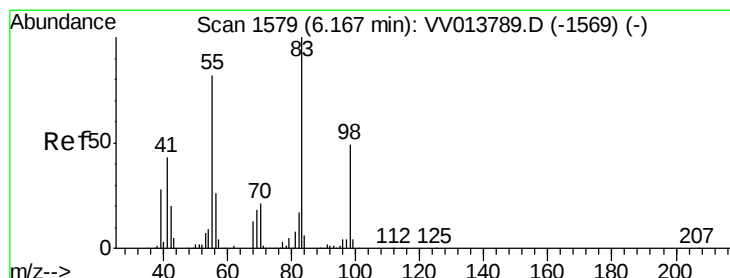
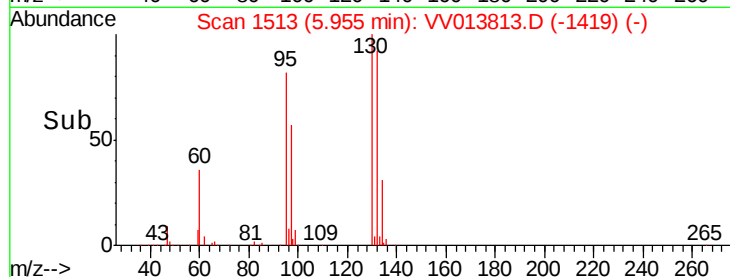
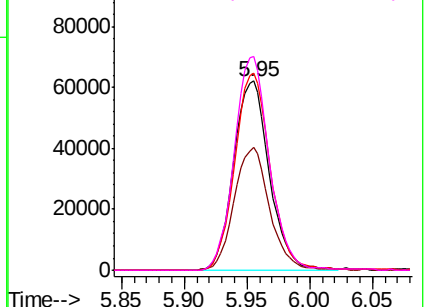


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.986 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VV013813.D

Acq: 27 Nov 2019 10:28

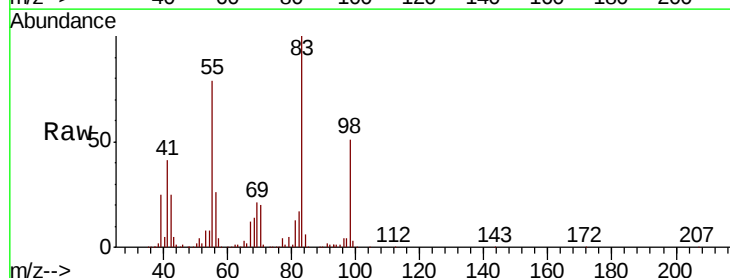
Tgt Ion: 83 Resp: 162569

Ion Ratio Lower Upper

83 100

55 79.3 60.3 90.5

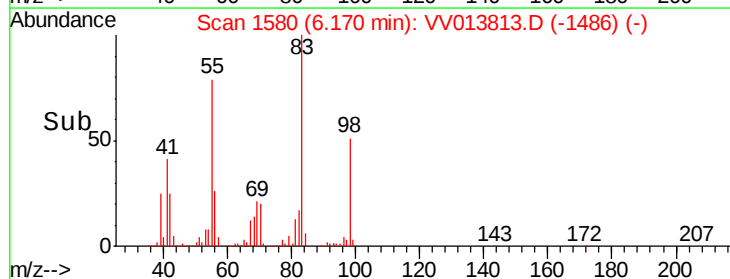
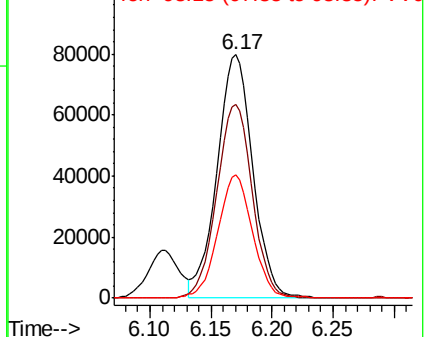
98 49.4 38.1 57.1

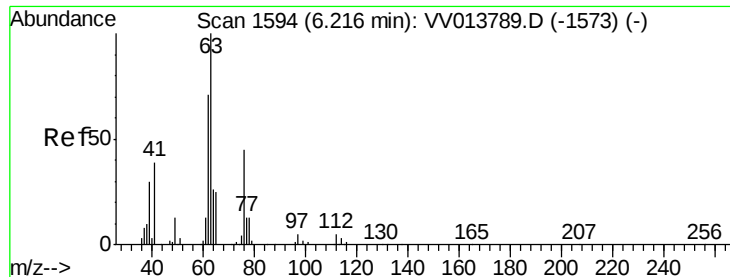


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 4.997 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. -0.00 min

Lab File: VV013813.D

Acq: 27 Nov 2019 10:28

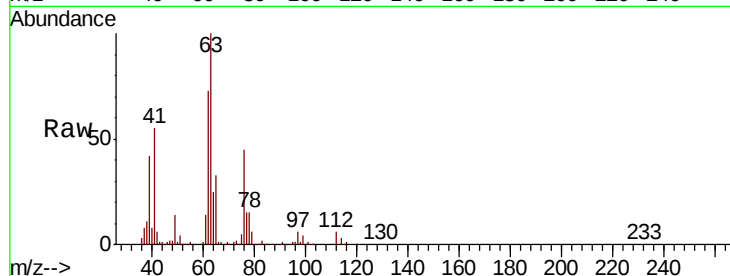
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 113764

Ion Ratio Lower Upper

63 100

112 6.0 4.4 6.6



Abundance Ion 63.10 (62.80 to 63.80): VV013813.D (-1501) (-)

Ion 112.10 (111.80 to 112.80): VV013813.D (-1501) (-)

6.22

60000

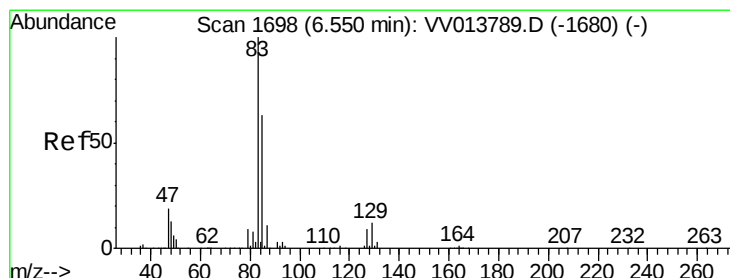
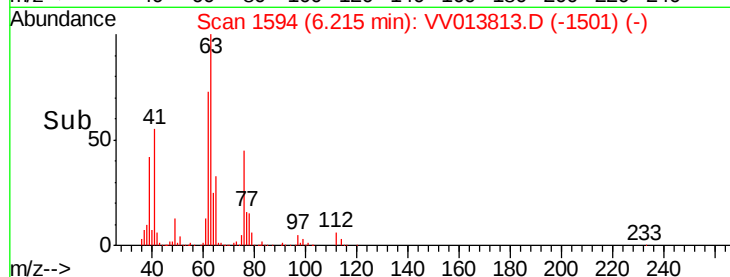
40000

20000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.086 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VV013813.D

Acq: 27 Nov 2019 10:28

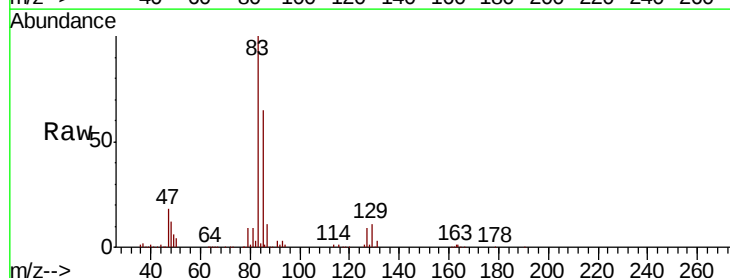
Tgt Ion: 83 Resp: 152785

Ion Ratio Lower Upper

83 100

85 64.6 46.1 85.5

127 8.9 7.5 11.3



Abundance Ion 82.95 (82.65 to 83.65): VV013813.D (-1605) (-)

Ion 85.00 (84.70 to 85.70): VV013813.D (-1605) (-)

Ion 126.90 (126.60 to 127.60): VV013813.D (-1605) (-)

6.55

100000

80000

60000

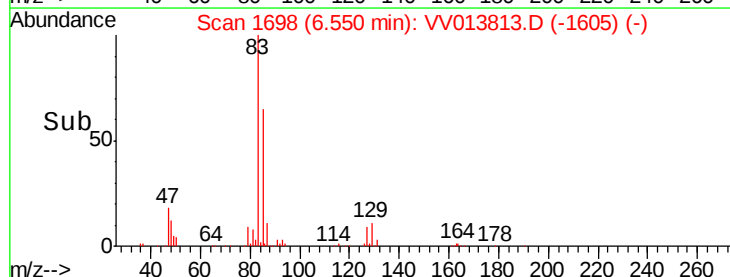
40000

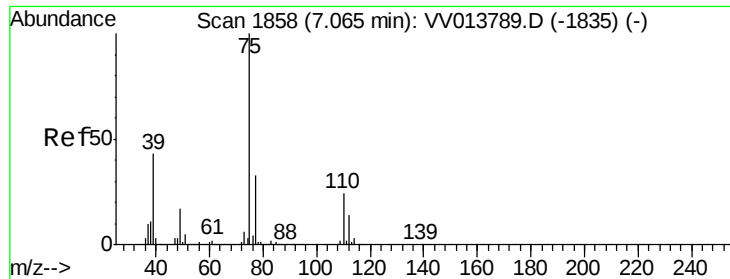
20000

0

6.45 6.50 6.55 6.60 6.65

Time-->



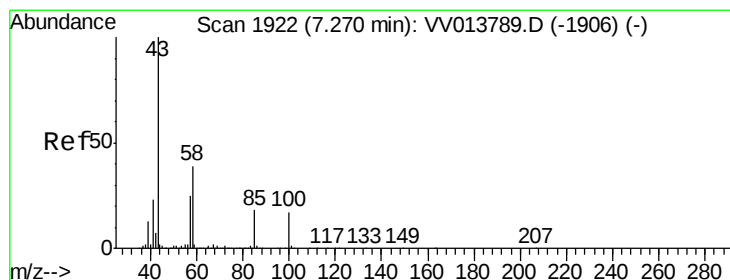
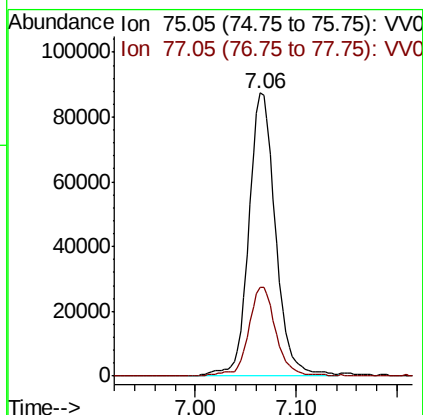
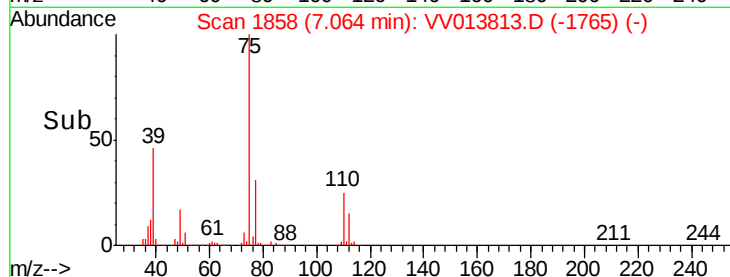
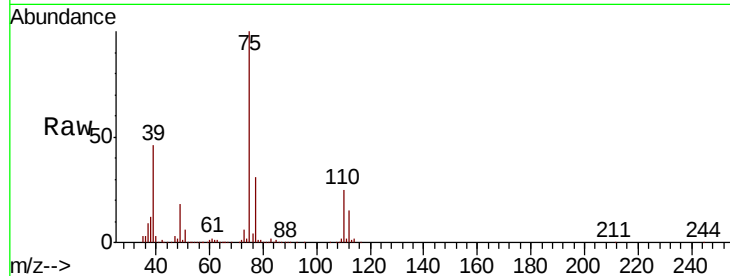


#39

cis-1,3-Dichloropropene
 Concen: 4.943 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VV013813.D
 Acq: 27 Nov 2019 10:28

Instrument :
 MSVOA_V
 ClientSampleId :

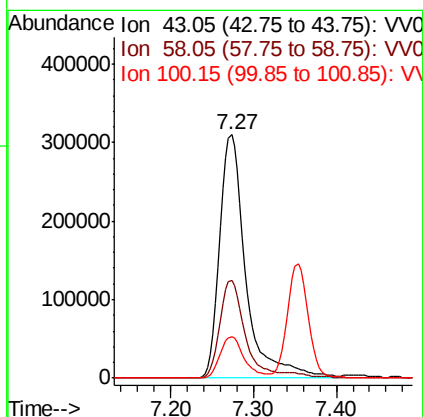
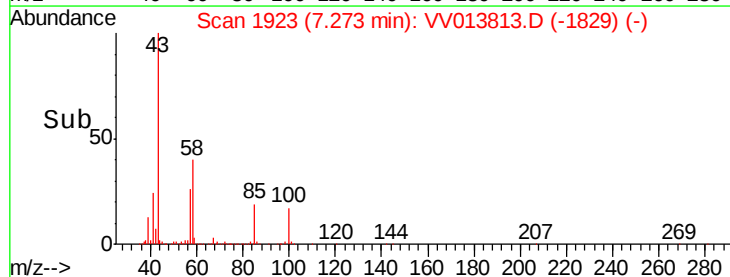
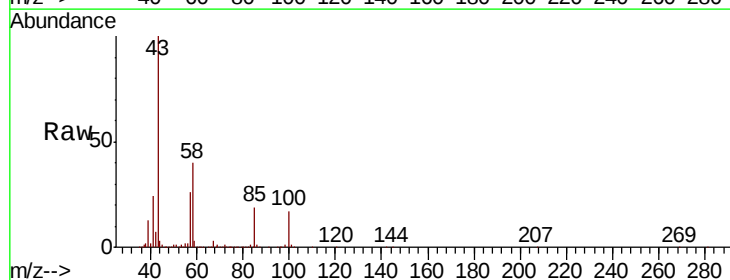
Tot Ion: 75 Resp: 159682
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.5 41.9

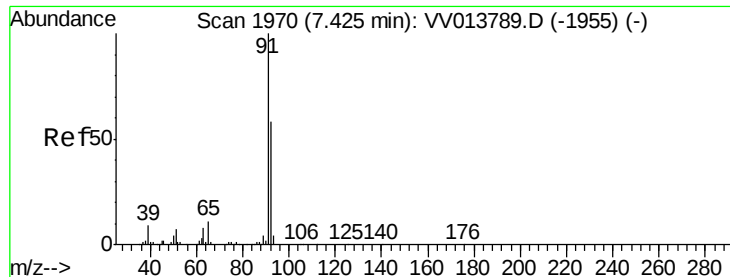


#40

4-Methyl-2-pentanone
 Concen: 50.954 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV013813.D
 Acq: 27 Nov 2019 10:28

Tgt Ion: 43 Resp: 676825
 Ion Ratio Lower Upper
 43 100
 58 37.7 32.3 48.5
 100 15.7 12.7 19.1





#42

Toluene

Concen: 5.339 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VV013813.D

Acq: 27 Nov 2019 10:28

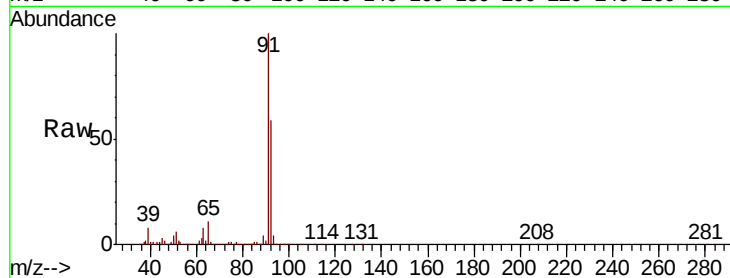
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 507241

Ion Ratio Lower Upper

91 100

92 58.6 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.42

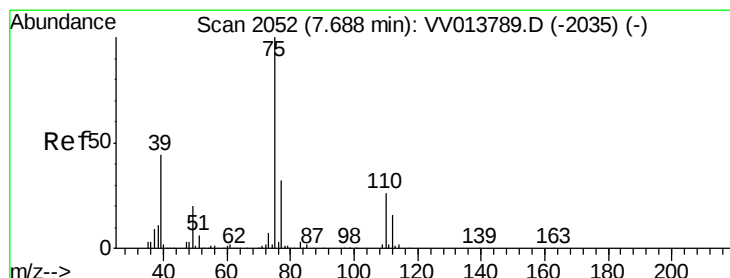
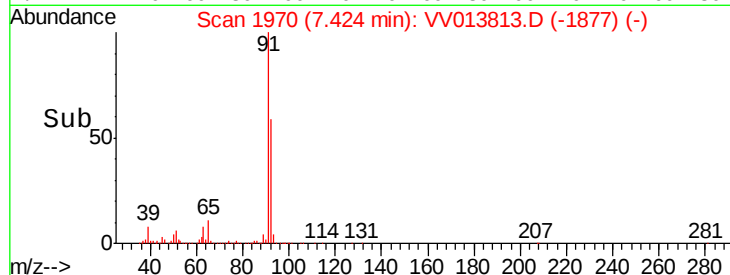
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.088 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV013813.D

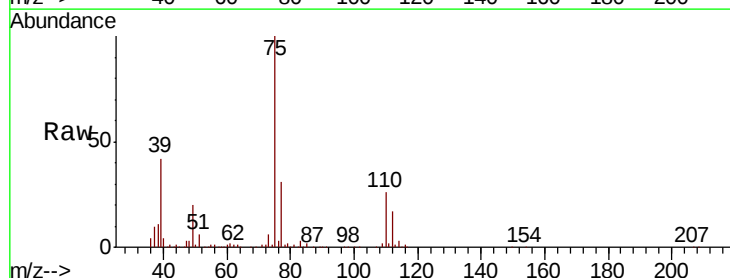
Acq: 27 Nov 2019 10:28

Tgt Ion: 75 Resp: 128639

Ion Ratio Lower Upper

75 100

77 31.0 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

80000

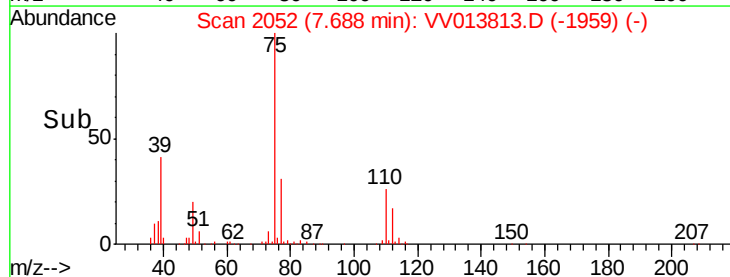
60000

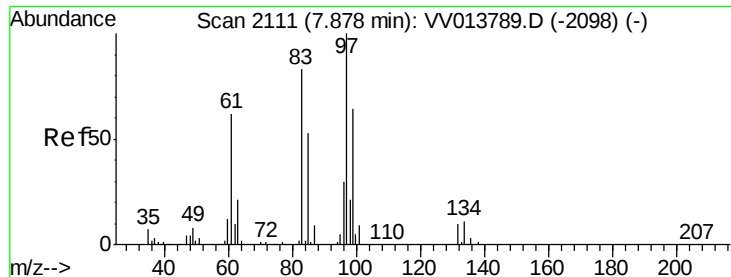
40000

20000

0

Time-->

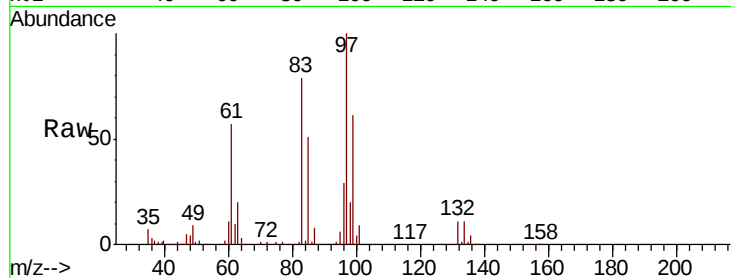




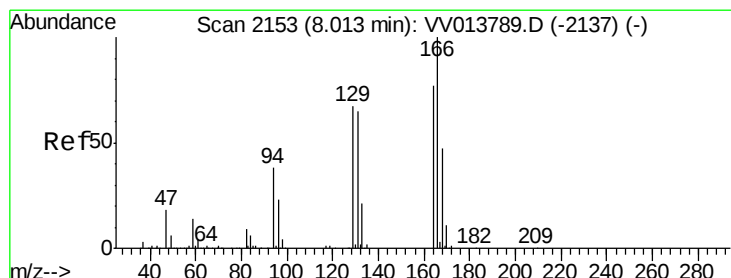
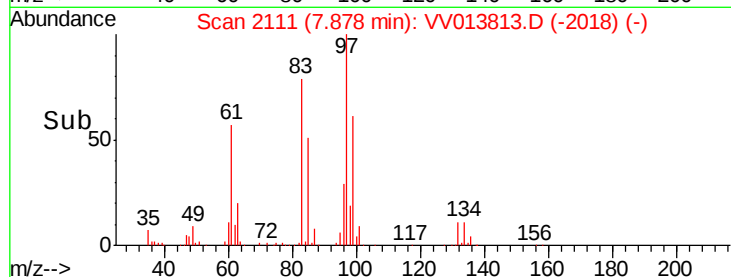
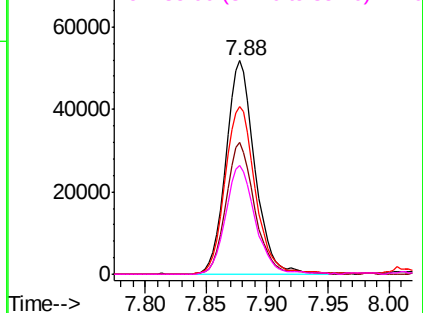
#45
 1,1,2-Trichloroethane
 Concen: 5.313 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV013813.D
 Acq: 27 Nov 2019 10:28

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	86197
Ion	Ratio	Lower	Upper
97	100		
99	61.4	44.2	82.0
83	78.8	59.7	110.9
85	50.8	38.3	71.1

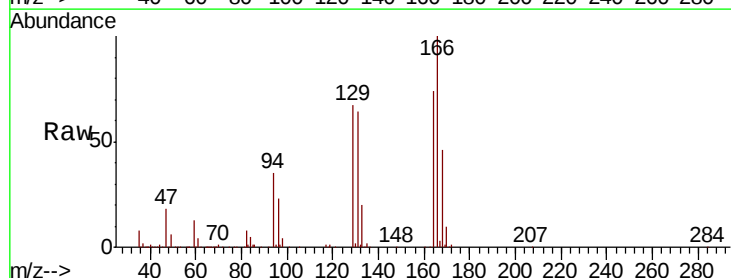


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

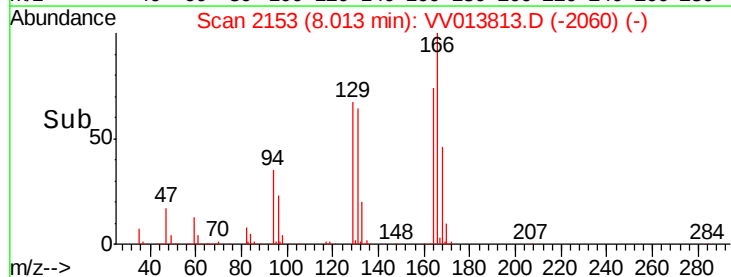
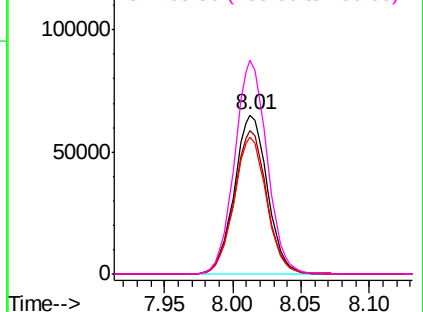


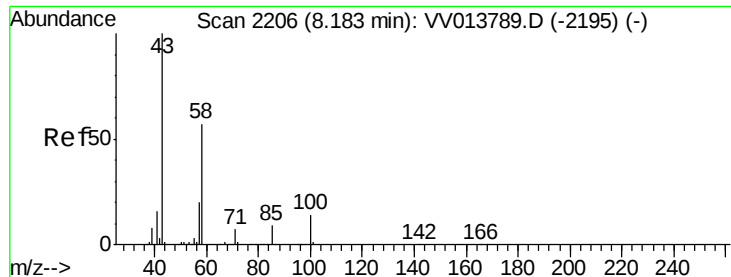
#47
 Tetrachloroethene
 Concen: 5.168 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV013813.D
 Acq: 27 Nov 2019 10:28

Tgt Ion:	164	Resp:	109653
Ion	Ratio	Lower	Upper
164	100		
129	90.5	60.3	112.1
131	86.4	59.9	111.3
166	134.5	89.1	165.5



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

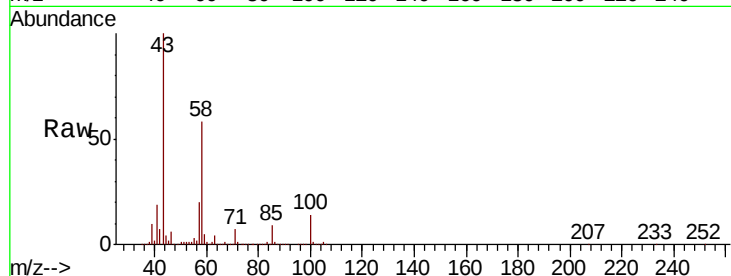




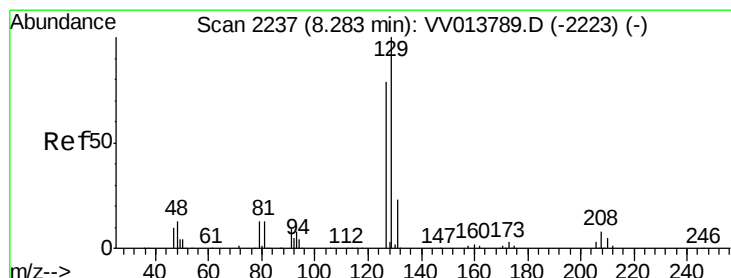
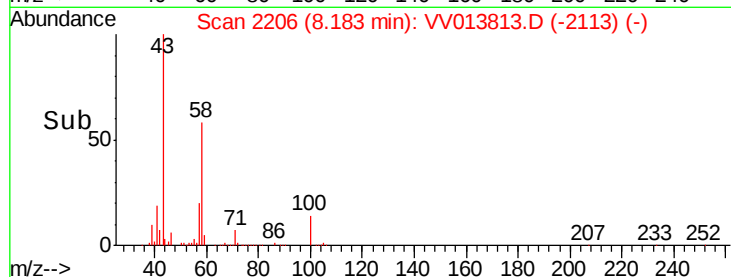
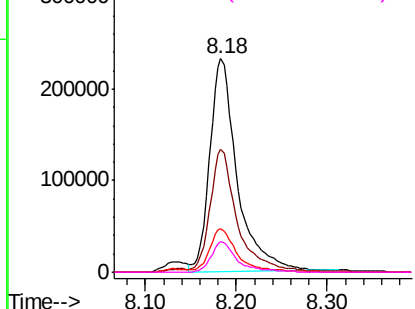
#48
2-Hexanone
Concen: 51.344 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV013813.D
Acq: 27 Nov 2019 10:28

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 486800
Ion Ratio Lower Upper
43 100
58 56.6 43.2 64.8
57 19.9 15.4 23.2
100 13.3 10.4 15.6

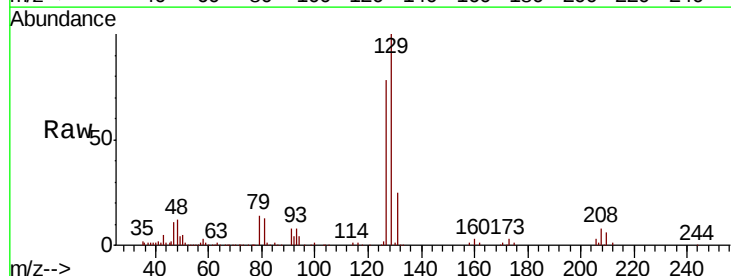


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

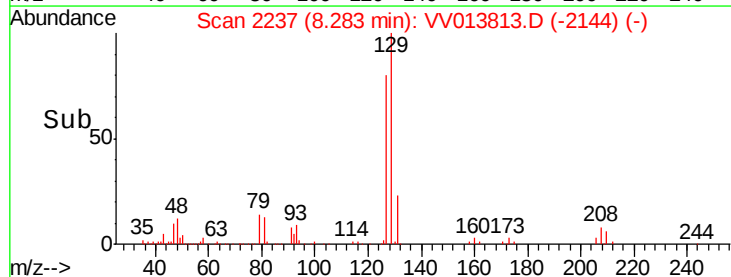
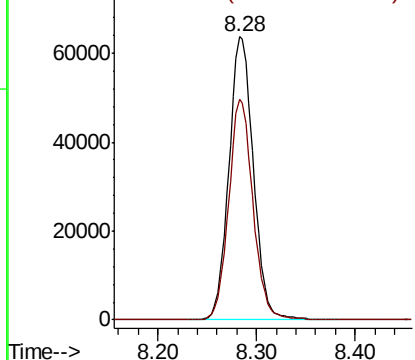


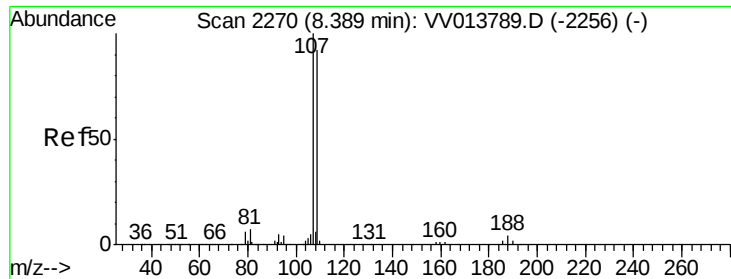
#49
Dibromochloromethane
Concen: 5.316 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VV013813.D
Acq: 27 Nov 2019 10:28

Tgt Ion: 129 Resp: 110617
Ion Ratio Lower Upper
129 100
127 78.0 55.7 103.5



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

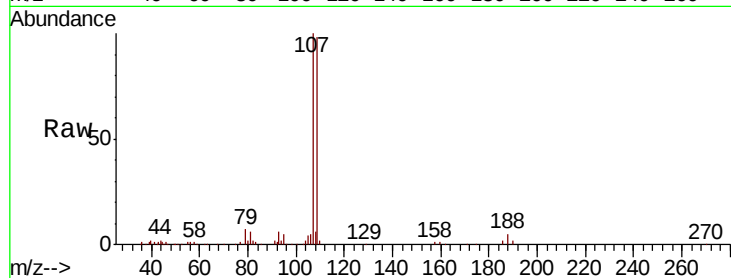




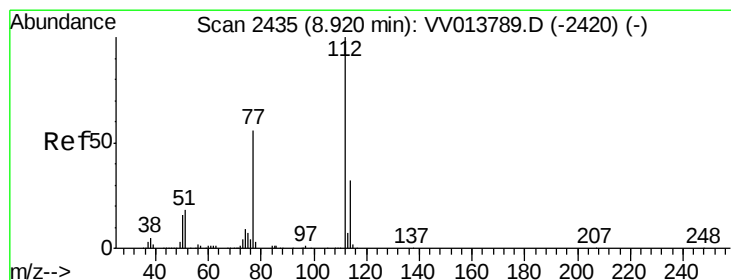
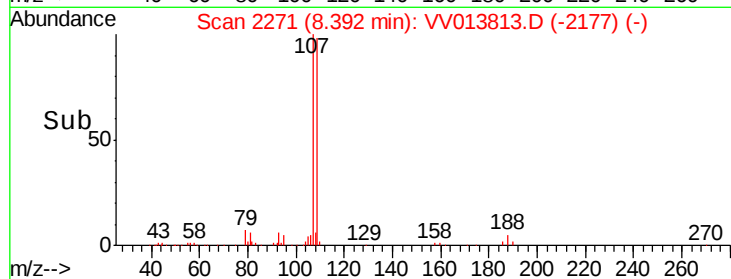
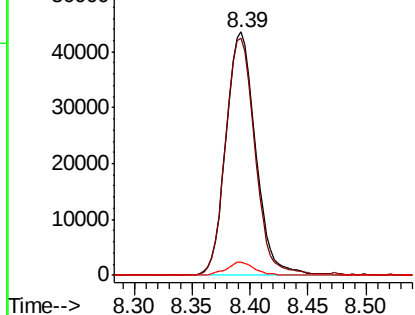
#50
 1,2-Dibromoethane
 Concen: 5.229 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV013813.D
 Acq: 27 Nov 2019 10:28

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:107 Resp: 76822
 Ion Ratio Lower Upper
 107 100
 109 97.6 65.2 121.0
 188 5.2 4.2 6.2

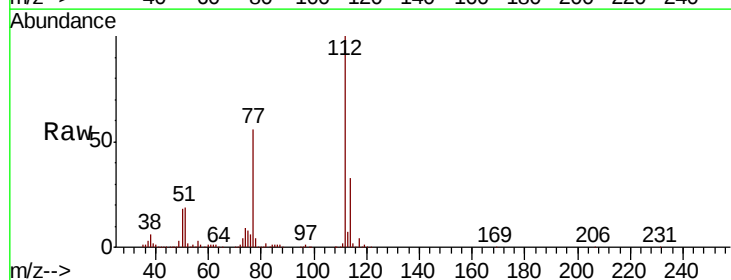


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

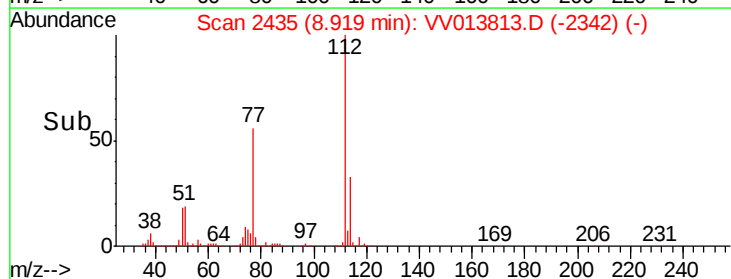
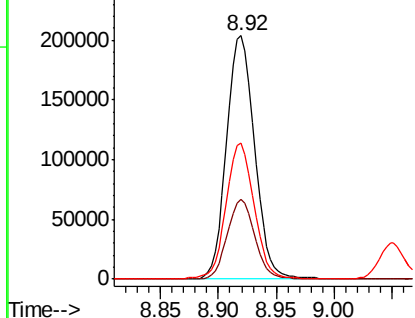


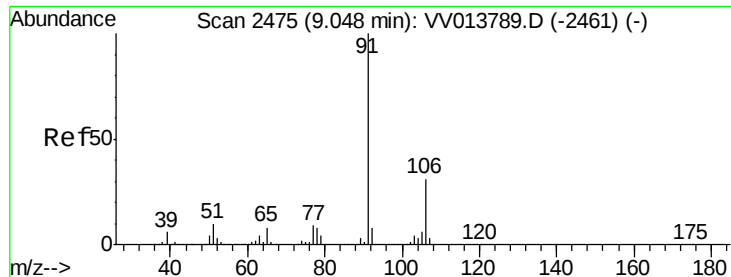
#51
 Chlorobenzene
 Concen: 5.148 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. -0.00 min
 Lab File: VV013813.D
 Acq: 27 Nov 2019 10:28

Tgt Ion:112 Resp: 340340
 Ion Ratio Lower Upper
 112 100
 114 32.9 21.8 40.6
 77 55.7 44.2 66.4



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





#52

Ethylbenzene

Concen: 5.183 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013813.D

Acq: 27 Nov 2019 10:28

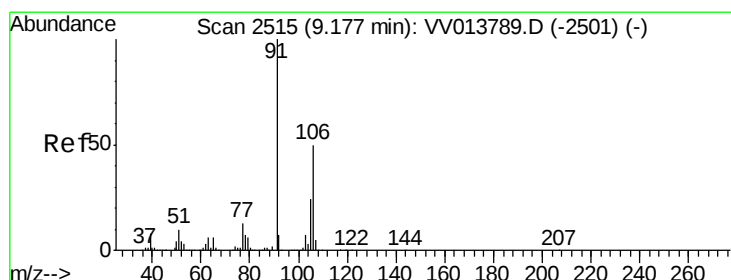
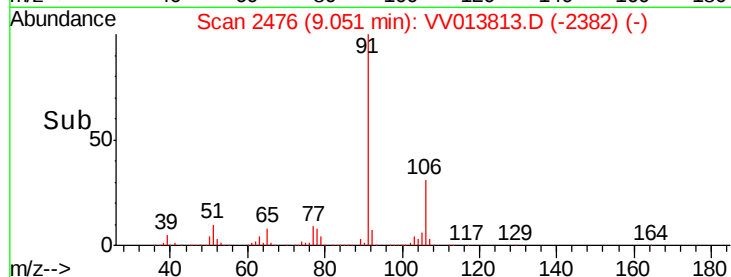
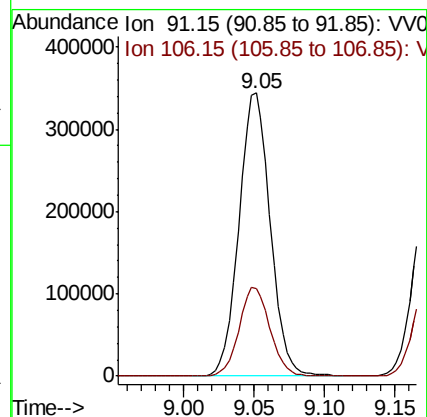
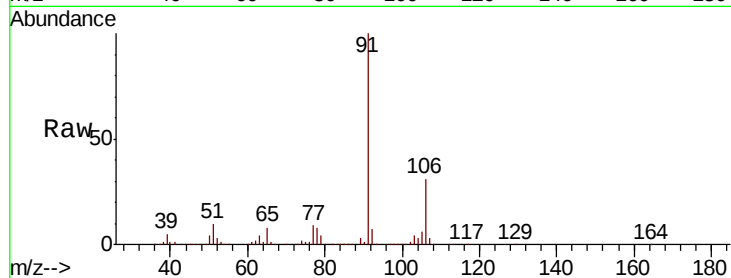
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 534924

Ion Ratio Lower Upper

91 100

106 31.1 22.1 41.1



#53

m,p-xylene

Concen: 5.332 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013813.D

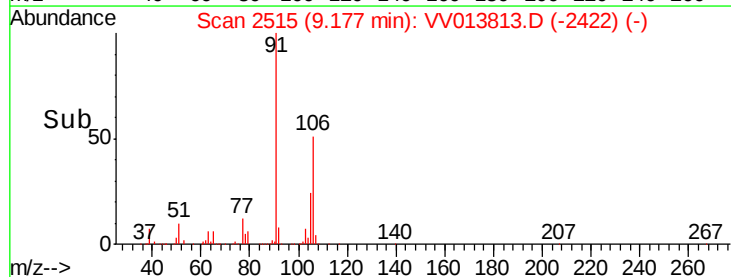
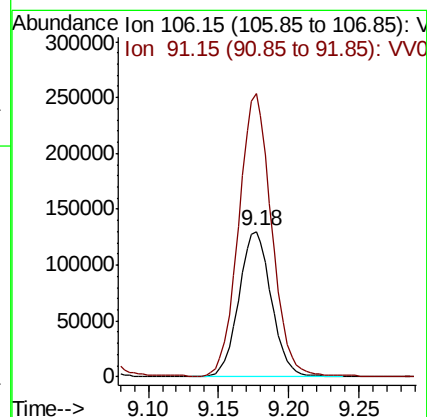
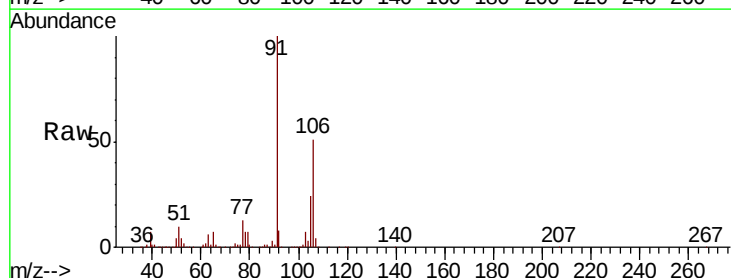
Acq: 27 Nov 2019 10:28

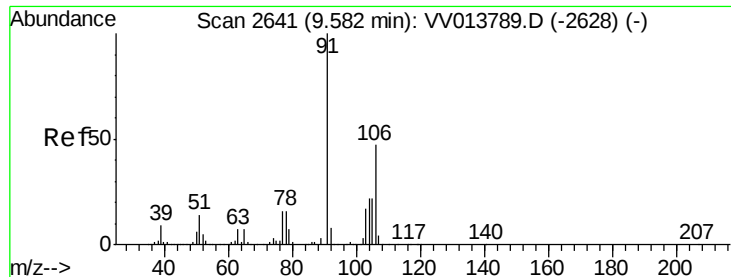
Tgt Ion: 106 Resp: 209801

Ion Ratio Lower Upper

106 100

91 194.5 139.9 259.9





#54

o-xylene

Concen: 5.206 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV013813.D

Acq: 27 Nov 2019 10:28

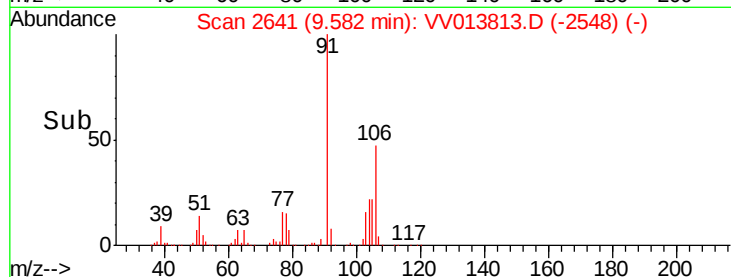
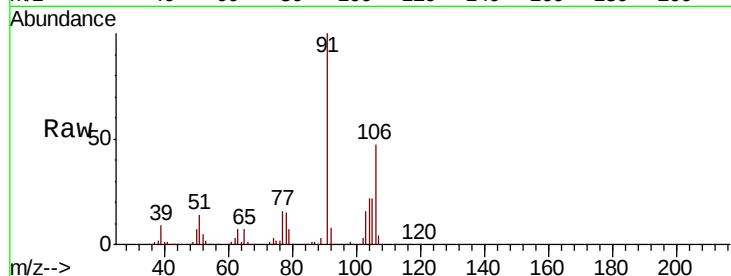
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 199981

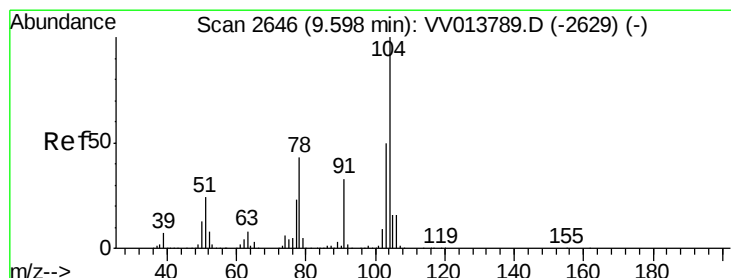
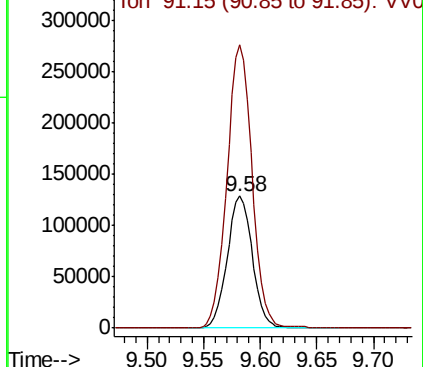
Ion Ratio Lower Upper

106 100

91 214.7 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): V



#55

Styrene

Concen: 5.419 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV013813.D

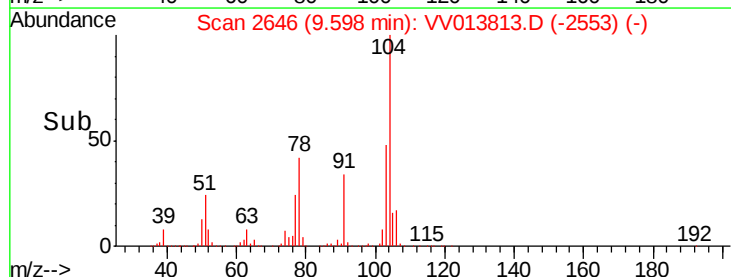
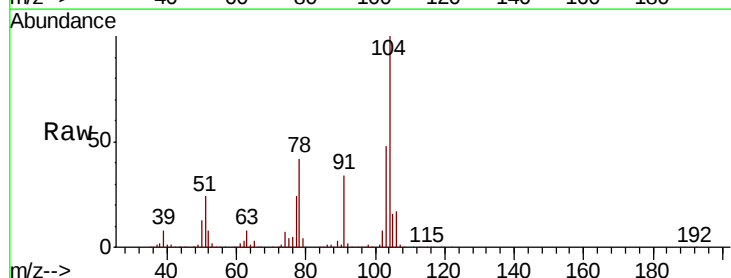
Acq: 27 Nov 2019 10:28

Tgt Ion:104 Resp: 359409

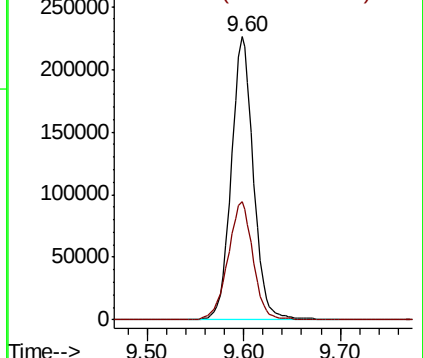
Ion Ratio Lower Upper

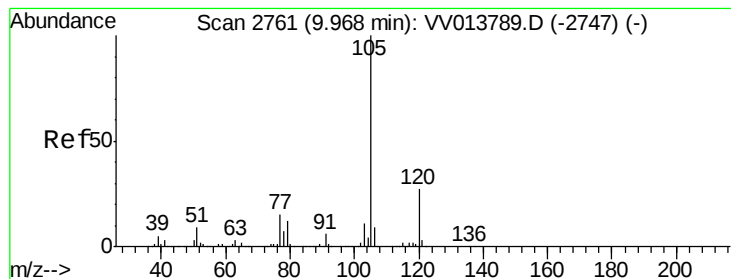
104 100

78 41.7 31.0 57.6



Abundance Ion 104.10 (103.80 to 104.80): V





#56

Isopropylbenzene

Concen: 5.257 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013813.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_V

ClientSampleId :

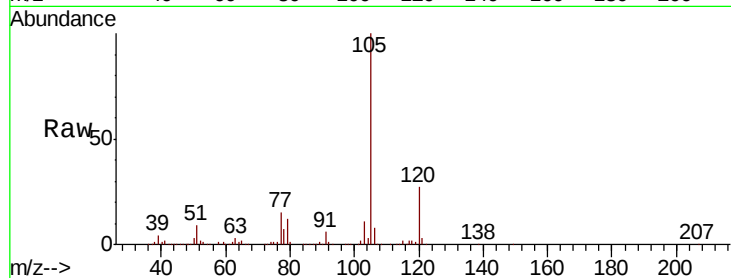
Tot Ion:105 Resp: 550258

Ion Ratio Lower Upper

105 100

120 26.8 21.3 31.9

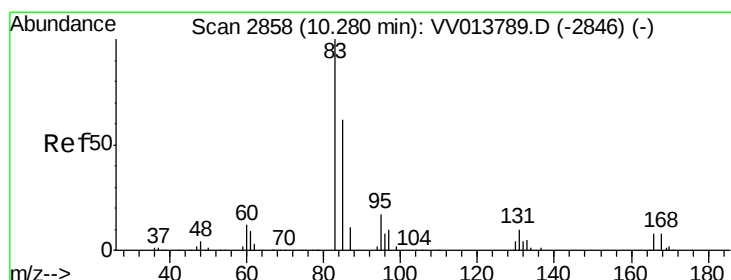
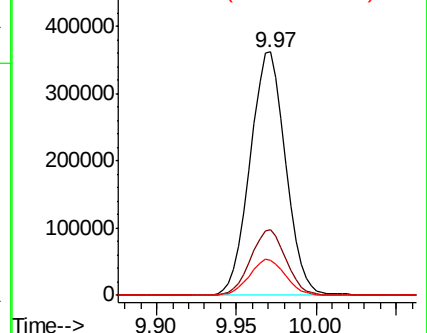
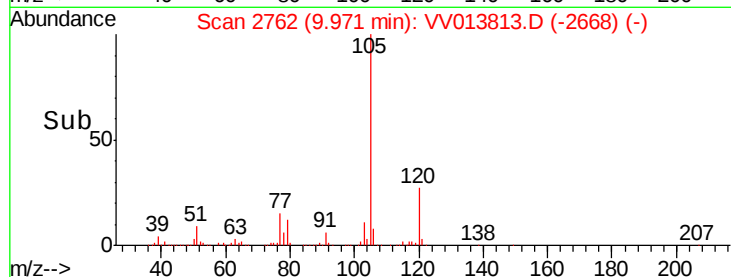
77 14.8 12.1 18.1



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: 5.183 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV013813.D

Acq: 27 Nov 2019 10:28

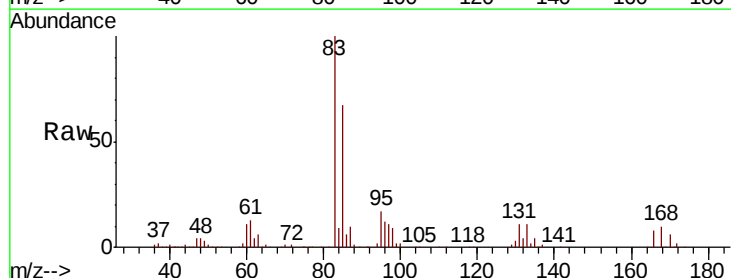
Tgt Ion: 83 Resp: 92394

Ion Ratio Lower Upper

83 100

85 67.5 45.1 83.7

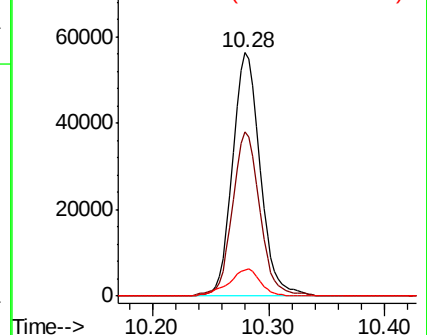
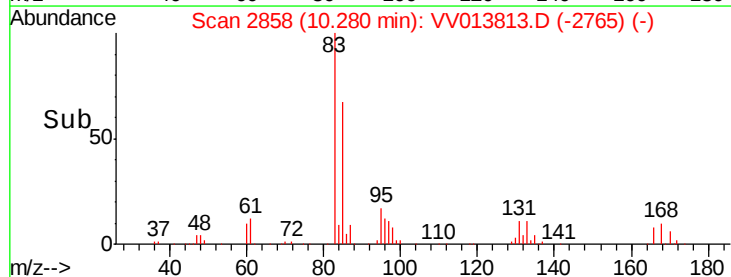
131 10.8 9.3 13.9

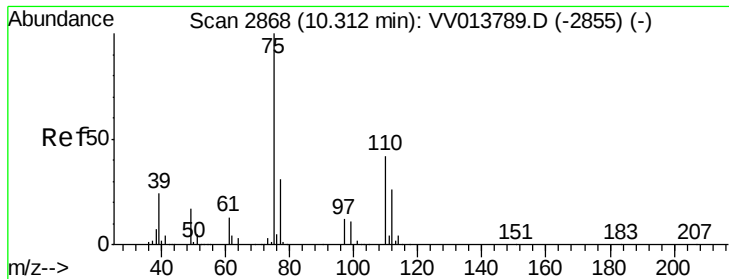


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

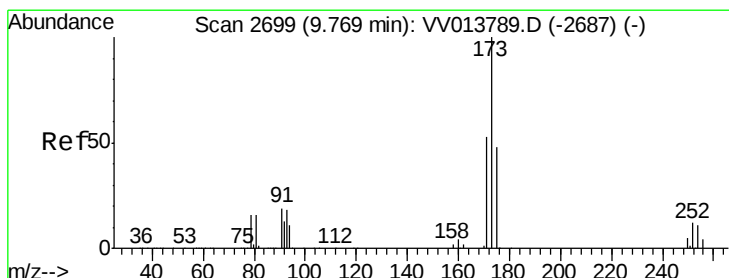
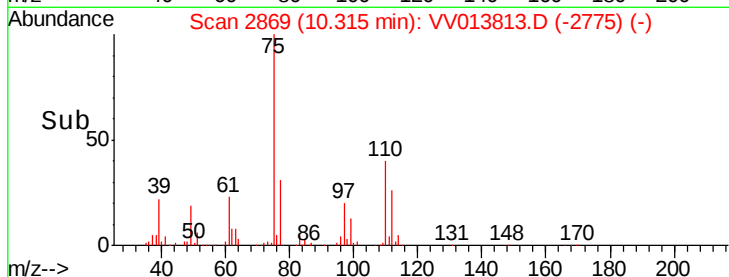
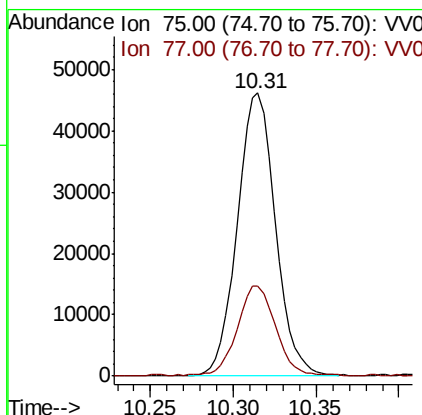
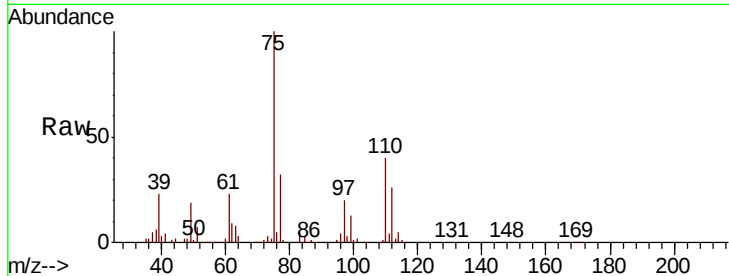




#59
 1,2,3-Trichloropropane
 Concen: 5.297 ug/L
 RT: 10.31 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VV013813.D
 Acq: 27 Nov 2019 10:28

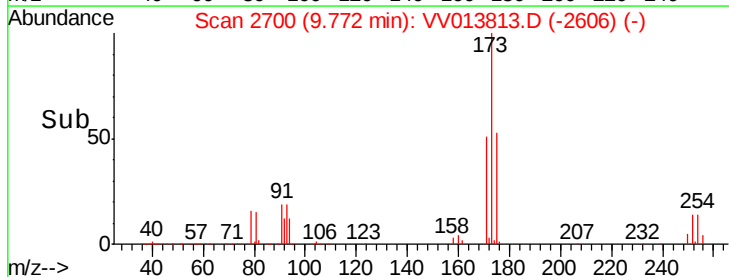
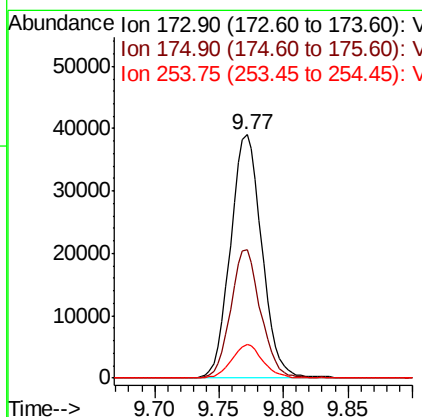
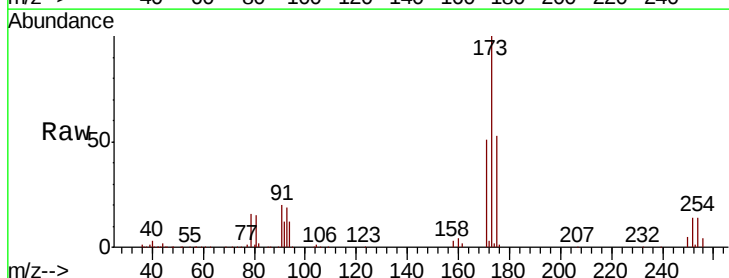
Instrument :
 MSVOA_V
 ClientSampled :

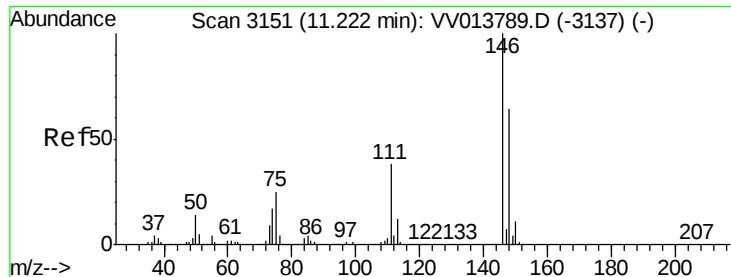
Tot Ion: 75 Resp: 74018
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.7 38.5



#61
 Bromoform
 Concen: 5.300 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. 0.00 min
 Lab File: VV013813.D
 Acq: 27 Nov 2019 10:28

Tgt Ion: 173 Resp: 66052
 Ion Ratio Lower Upper
 173 100
 175 50.3 39.1 58.7
 254 13.7 10.4 15.6





#62

1,3-Dichlorobenzene

Concen: 5.307 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV013813.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_V

ClientSampled :

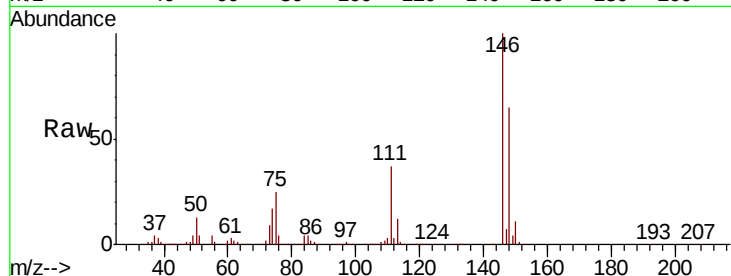
Tot Ion:146 Resp: 305309

Ion Ratio Lower Upper

146 100

111 37.0 25.6 47.6

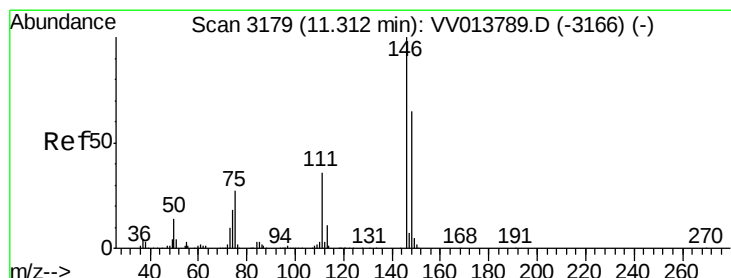
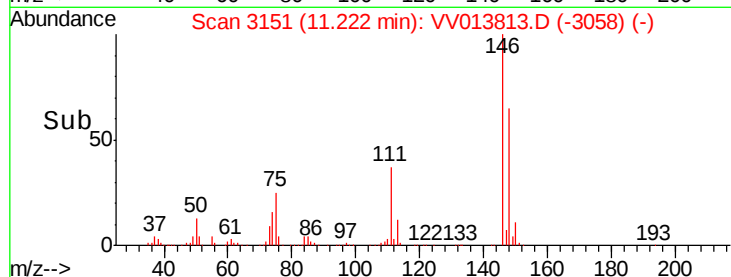
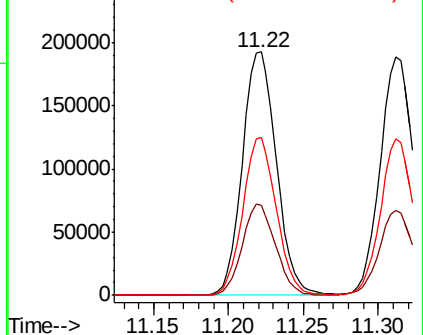
148 65.1 44.7 82.9



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



#63

1,4-Dichlorobenzene

Concen: 5.060 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV013813.D

Acq: 27 Nov 2019 10:28

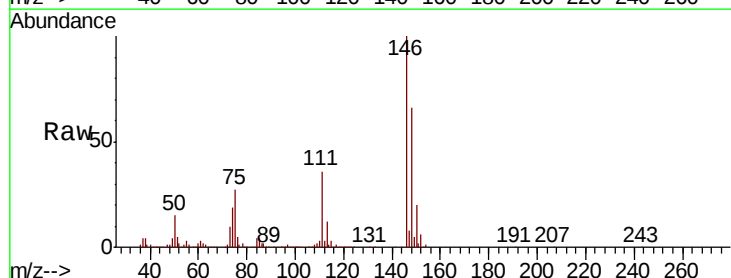
Tgt Ion:146 Resp: 296293

Ion Ratio Lower Upper

146 100

111 35.7 25.0 46.4

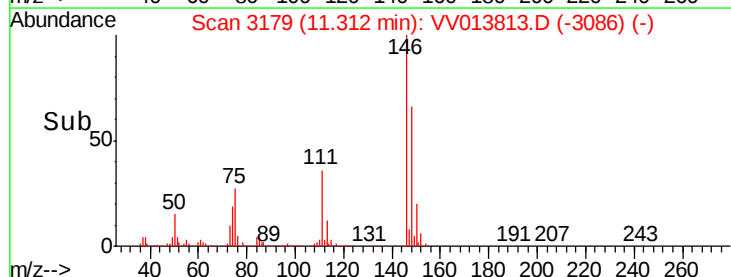
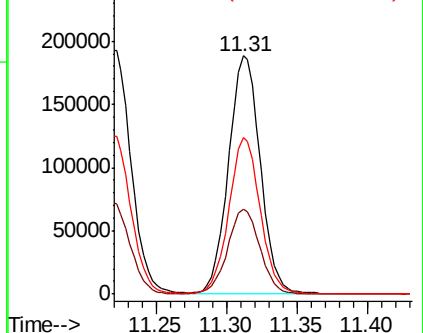
148 65.8 45.4 84.2

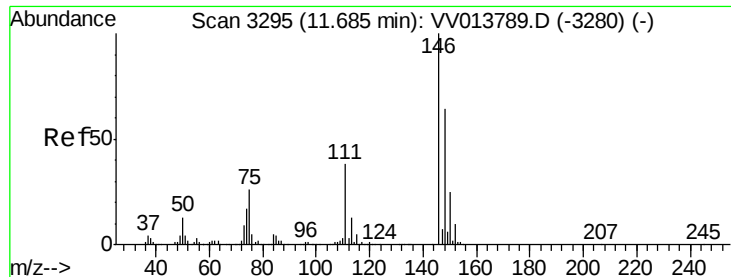


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.107 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV013813.D

Acq: 27 Nov 2019 10:28

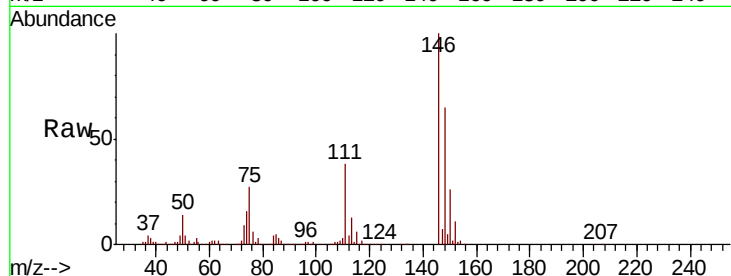
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:146 Resp: 272660

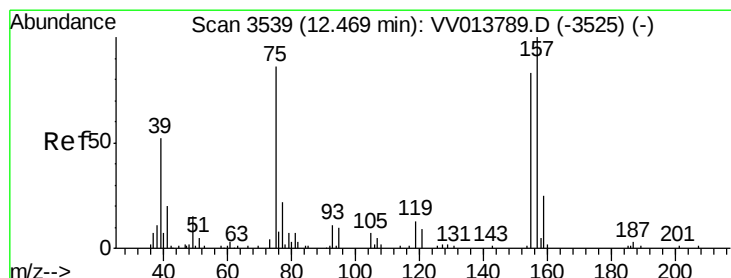
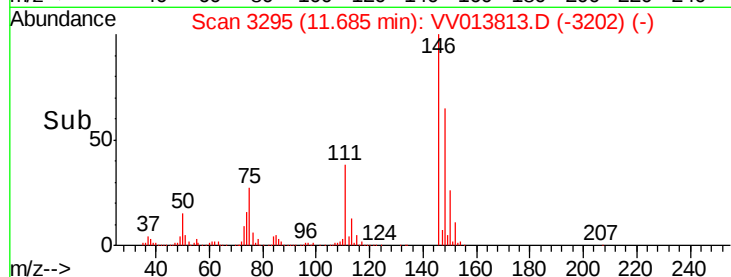
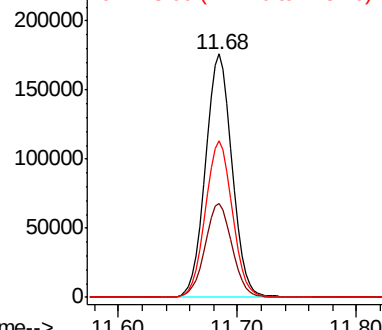
Ion	Ratio	Lower	Upper
146	100		
111	38.5	31.3	46.9
148	64.6	52.2	78.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.347 ug/L

RT: 12.47 min Scan# 3539

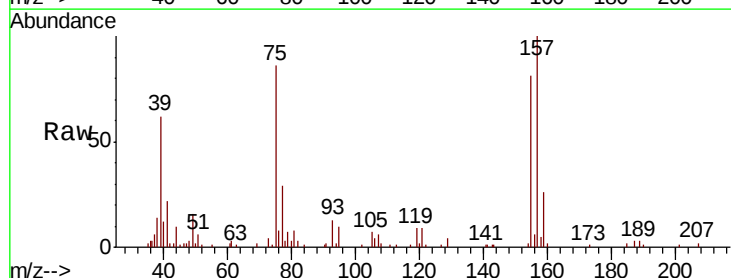
Delta R.T. -0.00 min

Lab File: VV013813.D

Acq: 27 Nov 2019 10:28

Tgt Ion: 75 Resp: 13488

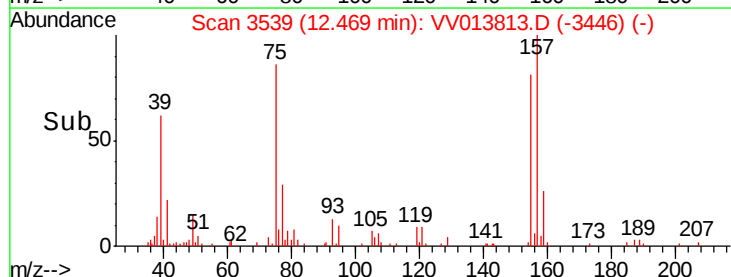
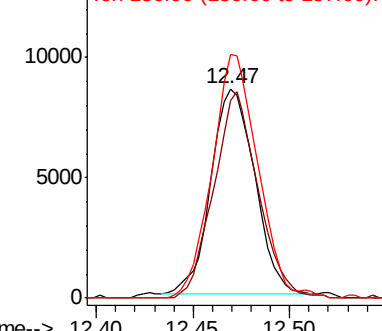
Ion	Ratio	Lower	Upper
75	100		
155	94.3	73.4	110.0
157	116.4	98.7	148.1

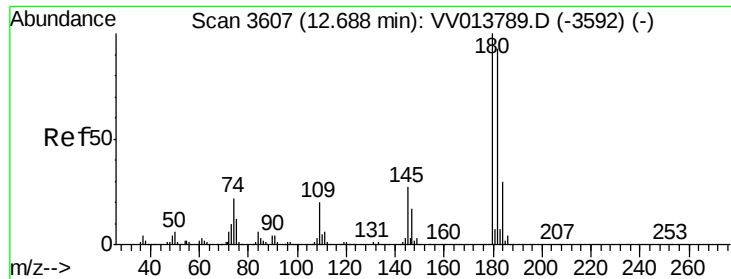


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

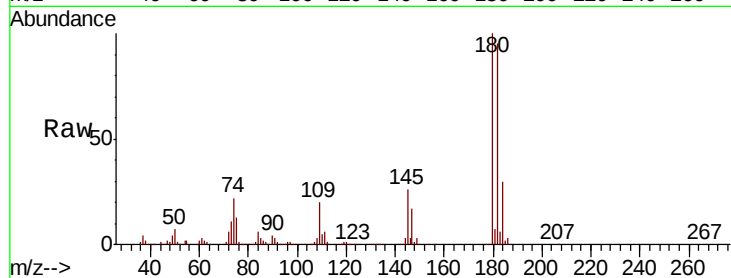




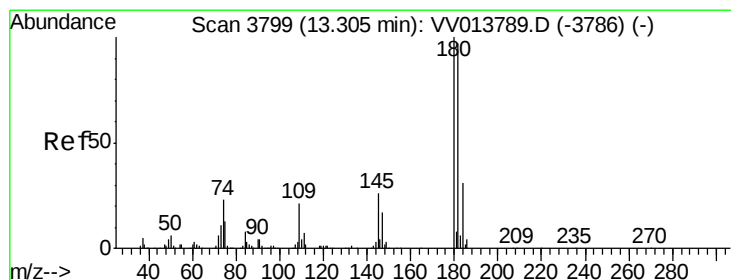
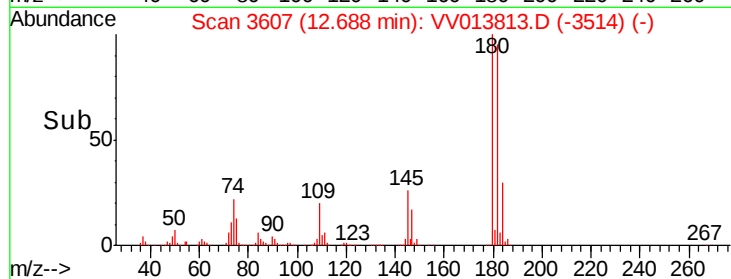
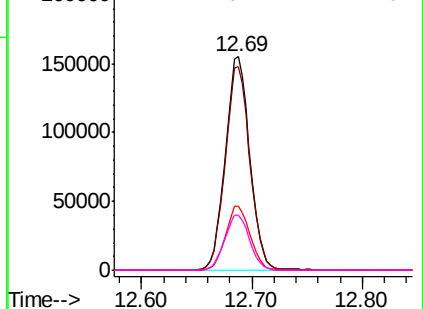
#67
 1,3,5-Trichlorobenzene
 Concen: 4.909 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013813.D
 Acq: 27 Nov 2019 10:28

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	238555
Ion	Ratio	Lower	Upper
180	100		
182	95.9	74.8	112.2
184	29.9	23.2	34.8
145	26.5	21.3	31.9

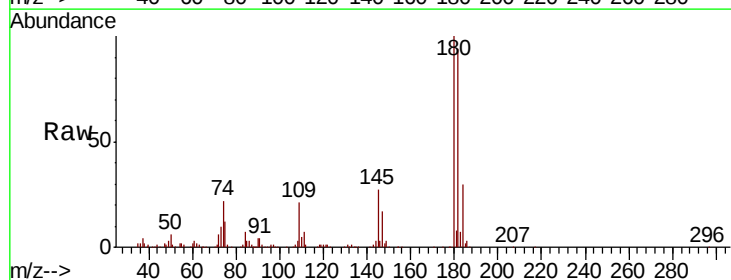


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

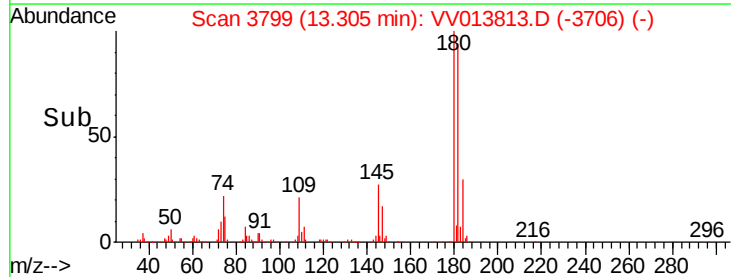
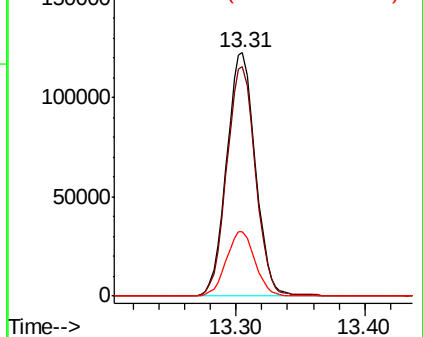


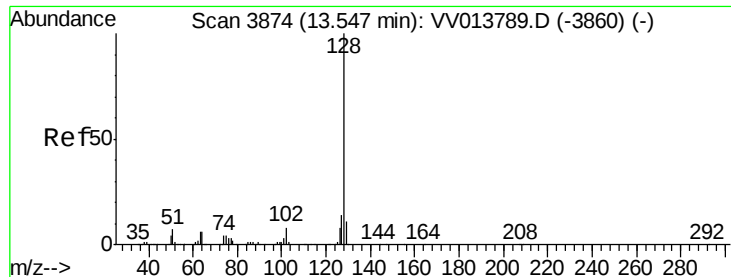
#68
 1,2,4-trichlorobenzene
 Concen: 4.759 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013813.D
 Acq: 27 Nov 2019 10:28

Tgt Ion:	180	Resp:	189648
Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.2	114.4
145	26.4	21.0	31.6



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: 4.331 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013813.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_V

ClientSampleId :

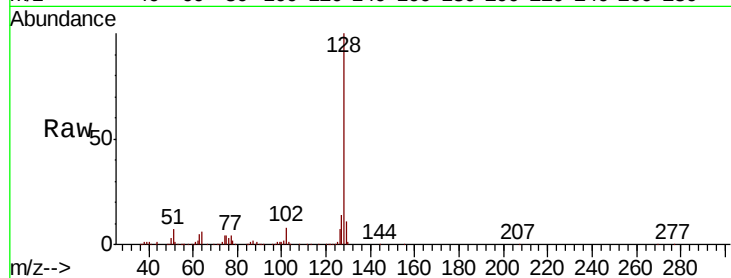
Tot Ion:128 Resp: 235034

Ion Ratio Lower Upper

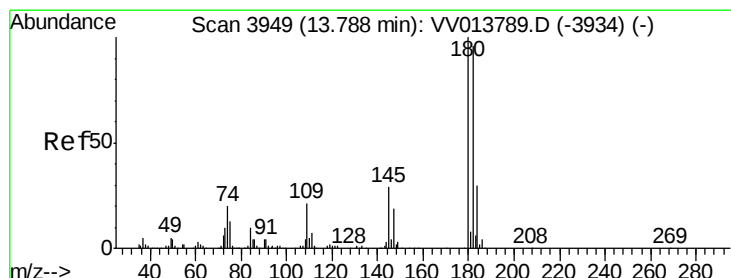
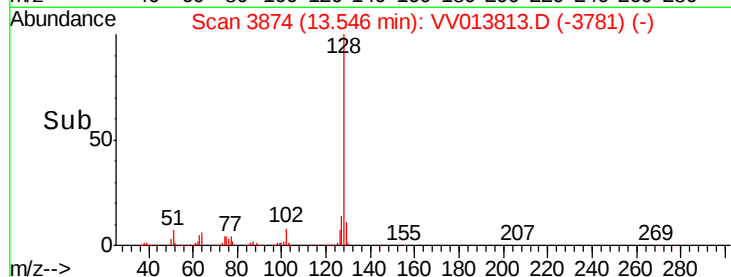
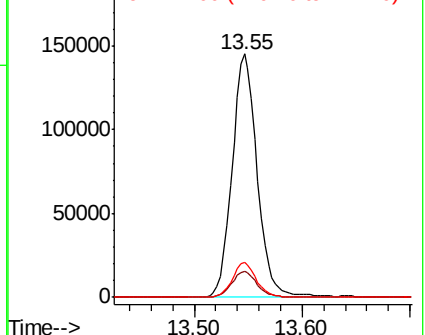
128 100

129 10.9 8.6 12.8

127 13.8 10.6 16.0



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: 5.020 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013813.D

Acq: 27 Nov 2019 10:28

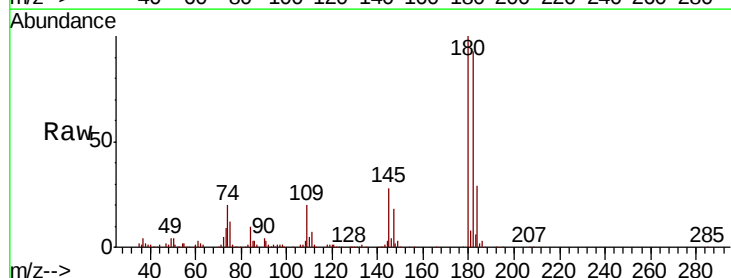
Tgt Ion:180 Resp: 182265

Ion Ratio Lower Upper

180 100

182 94.4 78.5 117.7

145 28.4 23.8 35.8



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

