

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120219\
 Data File : VV013870.D
 Acq On : 02 Dec 2019 14:20
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 03 03:05:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 03 02:59:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	719270	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	689935	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	369094	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	190950	45.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.80%
7) Chloroethane-d5	1.58	69	200628	46.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	2.13	63	428813	46.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.24%
21) 2-Butanone-d5	3.92	46	321382	109.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.76%
24) Chloroform-d	4.39	84	436498	49.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.94%
26) 1,2-Dichloroethane-d4	5.07	65	268582	48.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.04%
32) Benzene-d6	5.09	84	866261	48.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.90%
36) 1,2-Dichloropropane-d6	6.11	67	264444	49.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.56%
41) Toluene-d8	7.35	98	830803	50.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.94%
43) trans-1,3-Dichloropropene-	7.66	79	127899	48.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.96%
47) 2-Hexanone-d5	8.12	63	220142	109.86	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.86%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	359712	46.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.58%
64) 1,2-Dichlorobenzene-d4	11.67	152	360797	49.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.54%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	298553	46.617	ug/L 100
3) Chloromethane	1.25	50	287043	49.024	ug/L 99
5) Vinyl chloride	1.32	62	282719	46.297	ug/L 99
6) Bromomethane	1.53	94	179205	48.537	ug/L 100
8) Chloroethane	1.60	64	188104	46.294	ug/L 97
9) Trichlorofluoromethane	1.77	101	442961	46.638	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	249244	46.075	ug/L 99
12) 1,1-Dichloroethene	2.14	96	241494	46.216	ug/L 92
13) Acetone	2.18	43	382984	89.257	ug/L 98
14) Carbon disulfide	2.32	76	630065	45.724	ug/L 100
15) Methyl Acetate	2.45	43	249982	47.273	ug/L 99
16) Methylene chloride	2.53	84	260404	47.856	ug/L 96
17) trans-1,2-Dichloroethene	2.79	96	239720	46.902	ug/L 95
18) Methyl tert-butyl Ether	2.80	73	732317	49.373	ug/L 99
19) 1,1-Dichloroethane	3.23	63	432821	47.003	ug/L 98
22) 2-Butanone	4.00	43	415652	100.924	ug/L 95
23) Bromochloromethane	4.29	128	147713	48.304	ug/L 98

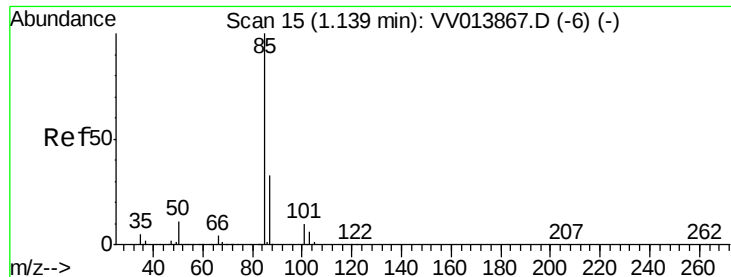
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 Quant Title : VOC Analysis
 QLast Update : Tue Dec 03 02:59:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.42	83	456898	46.413	ug/L	99
27) 1,2-Dichloroethane	5.17	62	347307	48.961	ug/L	99
29) Cyclohexane	4.72	56	399961	49.618	ug/L	100
30) 1,1,1-Trichloroethane	4.65	97	385024	46.227	ug/L	99
31) Carbon tetrachloride	4.87	117	352015	47.313	ug/L	100
33) Benzene	5.14	78	992699	48.315	ug/L	100
34) Trichloroethene	5.96	95	256448	46.536	ug/L	99
35) Methylcyclohexane	6.17	83	412030	49.833	ug/L	100
37) 1,2-Dichloropropane	6.22	63	245226	49.314	ug/L	99
38) Bromodichloromethane	6.55	83	323304	45.844	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	395893	50.571	ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	650613	100.615	ug/L	98
42) Toluene	7.42	91	1037124	48.923	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	337698	47.637	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	238617	48.342	ug/L	99
46) Tetrachloroethene	8.01	164	237143	47.689	ug/L	95
48) 2-Hexanone	8.17	43	527204	101.920	ug/L	95
49) Dibromochloromethane	8.28	129	284224	47.106	ug/L	99
50) 1,2-Dibromoethane	8.39	107	265326	48.796	ug/L	98
51) Chlorobenzene	8.92	112	707321	48.362	ug/L	99
52) Ethylbenzene	9.05	91	1157890	49.546	ug/L	100
53) m,p-Xylene	9.18	106	459398	50.833	ug/L	97
54) o-xylene	9.58	106	430226	48.689	ug/L	98
55) Styrene	9.60	104	755559	49.560	ug/L	99
56) Isopropylbenzene	9.97	105	1132969	47.702	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	366615	45.624	ug/L	97
59) 1,2,3-Trichloropropane	10.31	75	298683	44.385	ug/L	99
61) Bromoform	9.77	173	230658	51.087	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	584619	48.272	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	598025	47.764	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	583744	48.186	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	79738	47.361	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	478793	48.683	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	415835	46.859	ug/L	100
69) Naphthalene	13.55	128	1130698	48.527	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	434099	46.776	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 46.617 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013870.D

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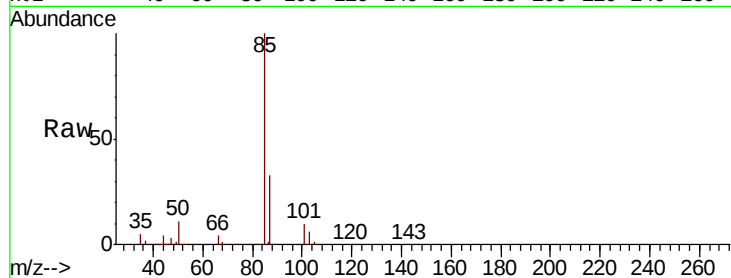
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 298553

Ion Ratio Lower Upper

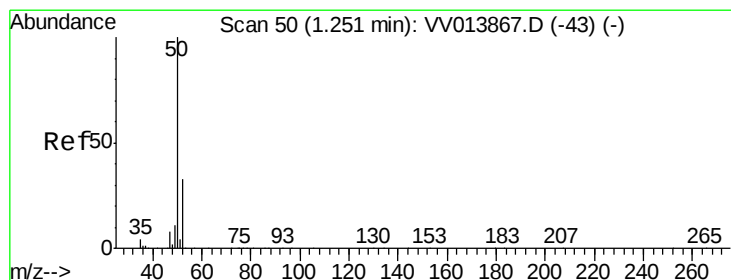
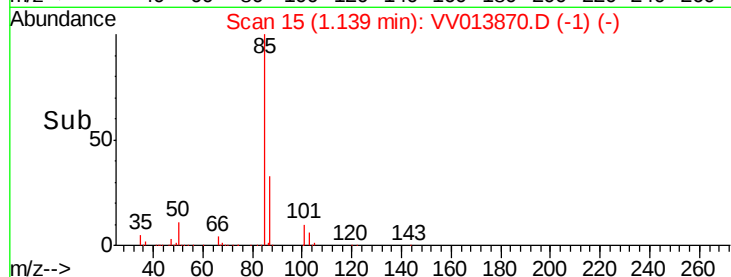
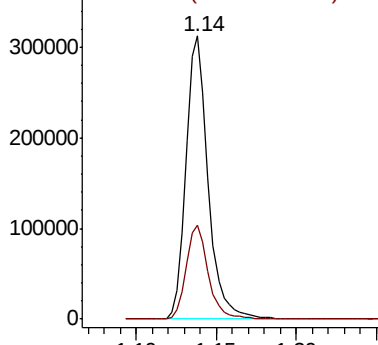
85 100

87 33.2 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 49.024 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013870.D

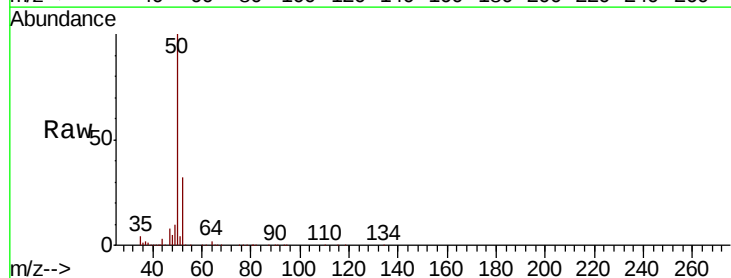
Acq: 02 Dec 2019 14:20

Tgt Ion: 50 Resp: 287043

Ion Ratio Lower Upper

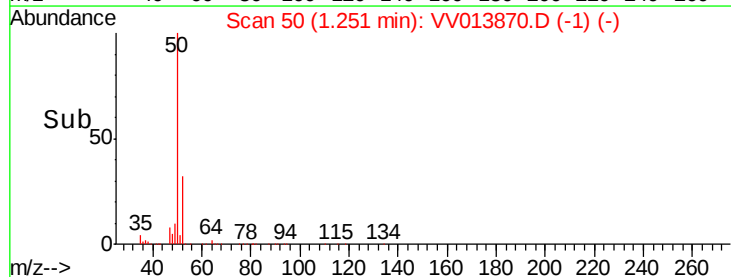
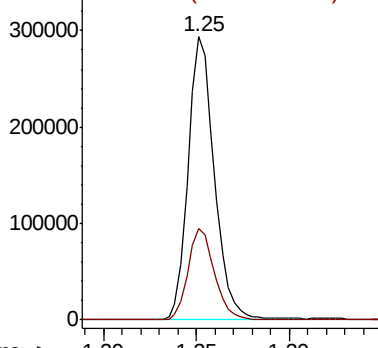
50 100

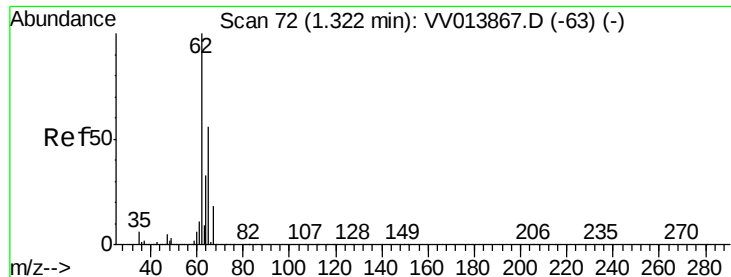
52 32.3 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 46.297 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013870.D

Acq: 02 Dec 2019 14:20

Instrument :

MSVOA_V

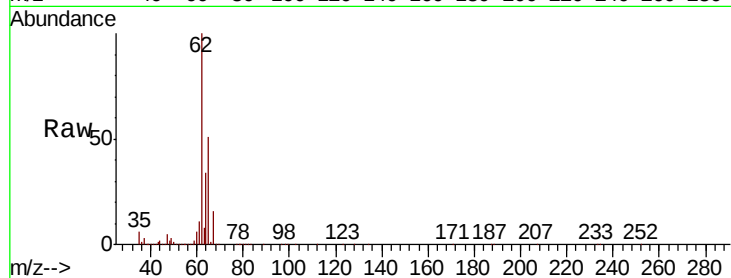
ClientSampleId :

Tot Ion: 62 Resp: 282719

Ion Ratio Lower Upper

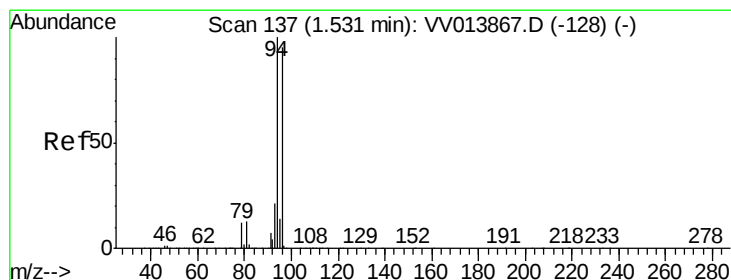
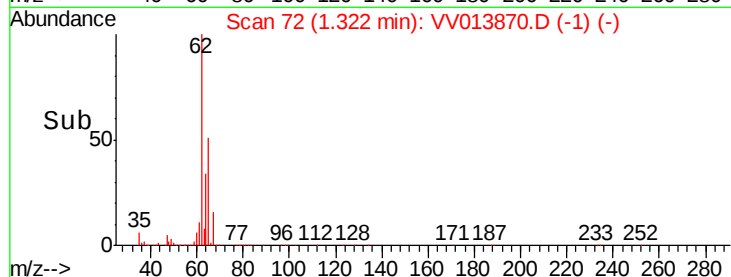
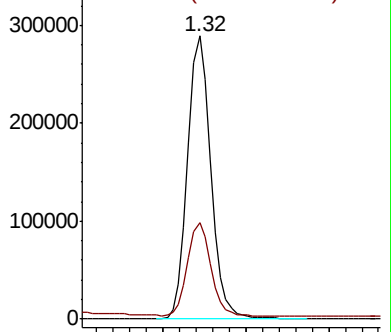
62 100

64 34.0 24.1 44.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 48.537 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV013870.D

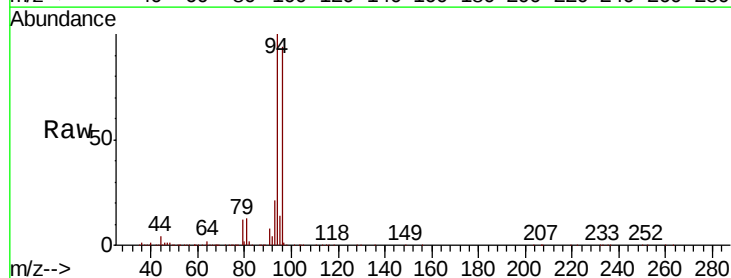
Acq: 02 Dec 2019 14:20

Tgt Ion: 94 Resp: 179205

Ion Ratio Lower Upper

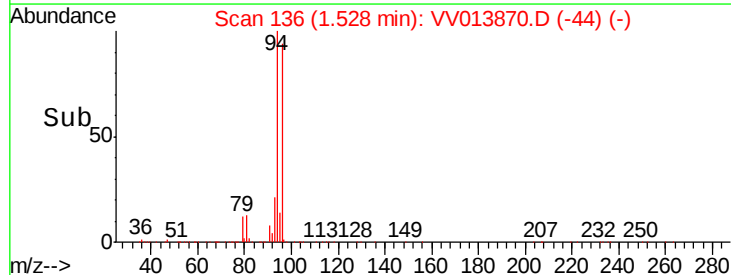
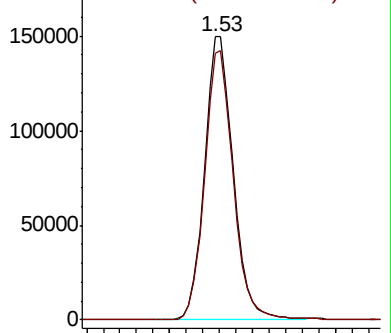
94 100

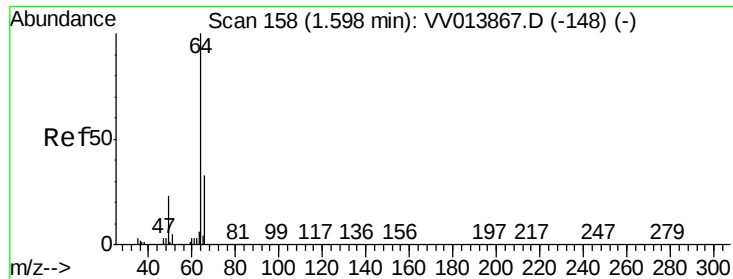
96 94.4 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

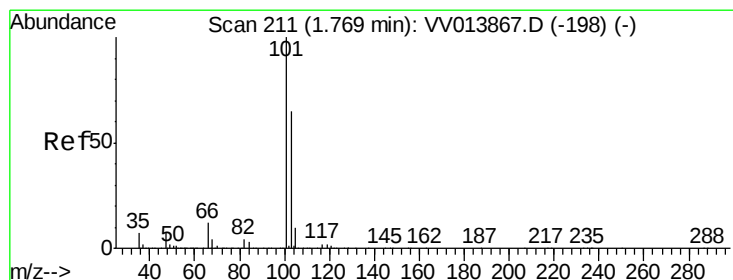
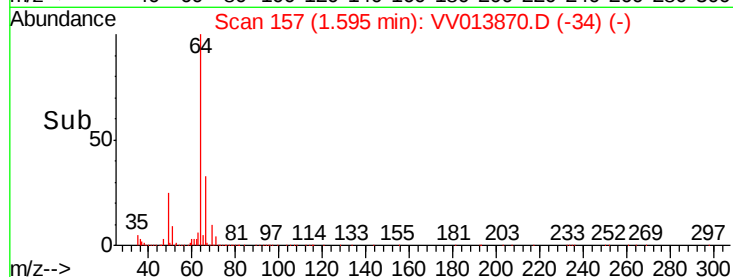
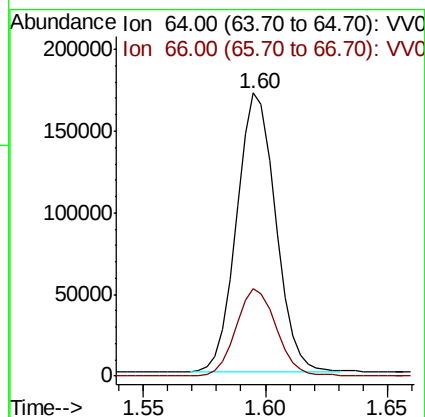
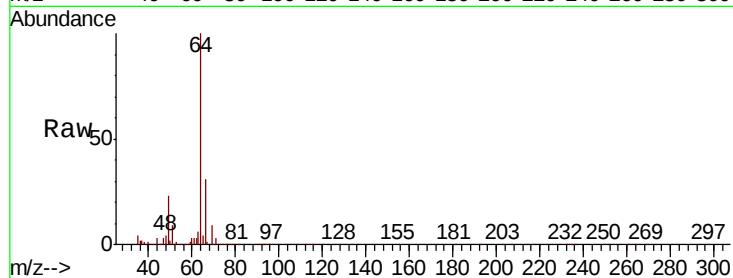




#8
Chloroethane
Concen: 46.294 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV013870.D
Acq: 02 Dec 2019 14:20

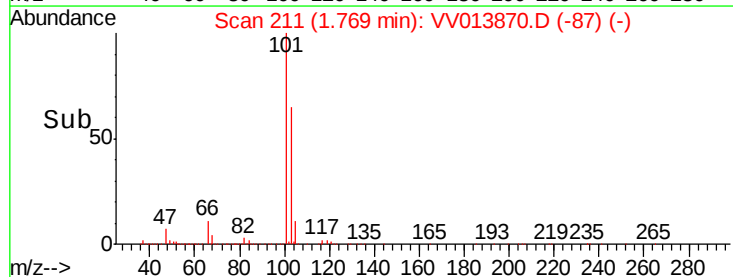
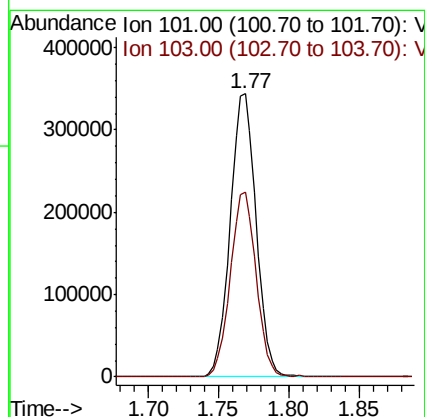
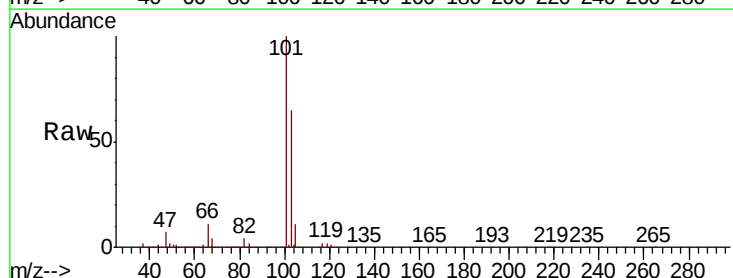
Instrument :
MSVOA_V
ClientSampleId :

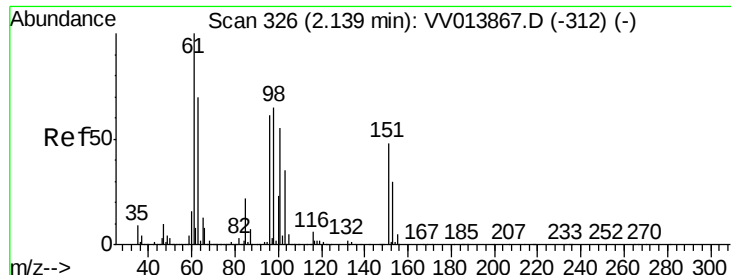
Tot Ion: 64 Resp: 188104
Ion Ratio Lower Upper
64 100
66 30.9 22.7 42.1



#9
Trichlorofluoromethane
Concen: 46.638 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV013870.D
Acq: 02 Dec 2019 14:20

Tgt Ion: 101 Resp: 442961
Ion Ratio Lower Upper
101 100
103 65.0 51.9 77.9





#10

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

Concen: 46.075 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013870.D

Acq: 02 Dec 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

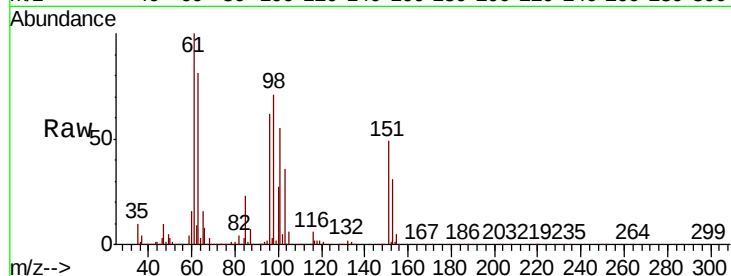
Tot Ion:101 Resp: 249244

Ion Ratio Lower Upper

101 100

85 41.7 32.5 48.7

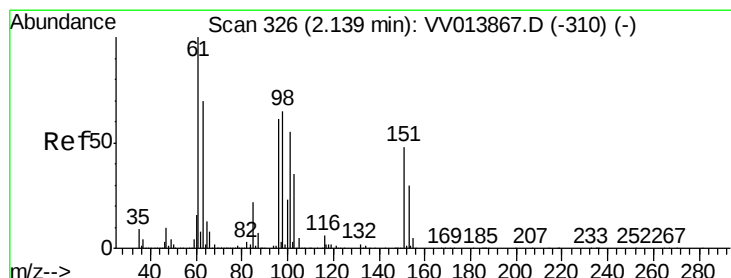
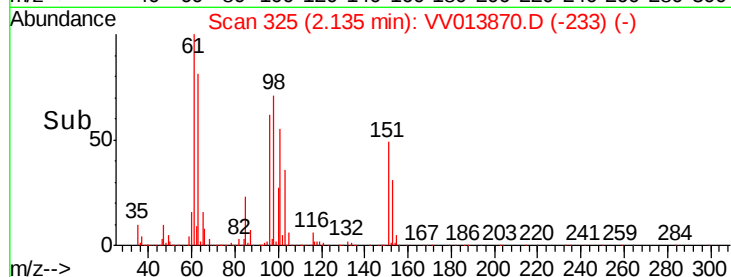
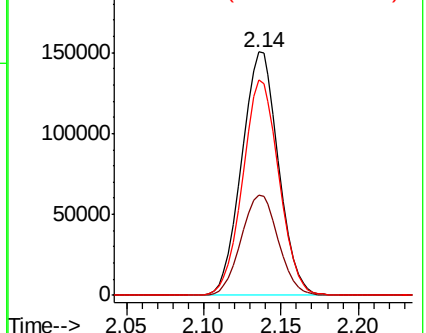
151 87.5 69.8 104.6



Abundance Ion 101.00 (100.70 to 101.70): VV013870.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV013870.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV013870.D (-233) (-)



#12

1,1-Dichloroethene

Concen: 46.216 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013870.D

Acq: 02 Dec 2019 14:20

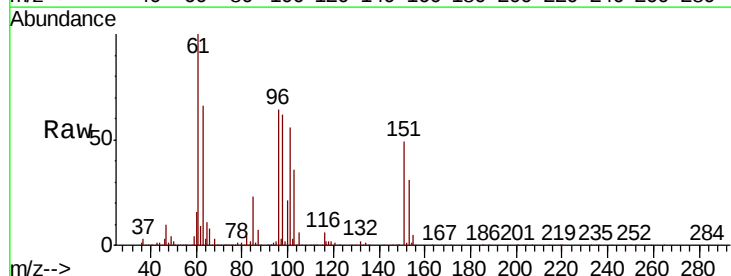
Tgt Ion: 96 Resp: 241494

Ion Ratio Lower Upper

96 100

61 155.2 114.0 211.8

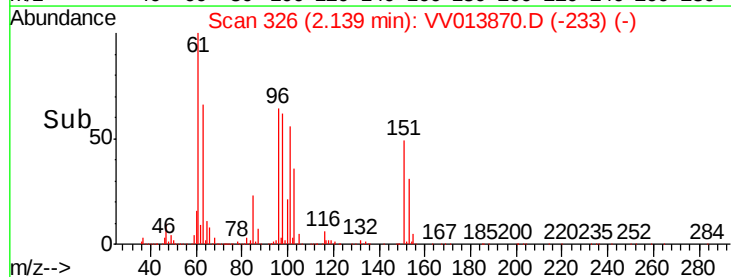
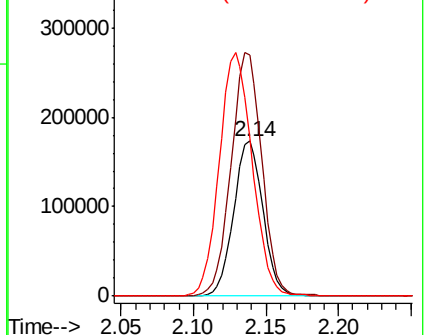
63 102.0 80.3 149.1

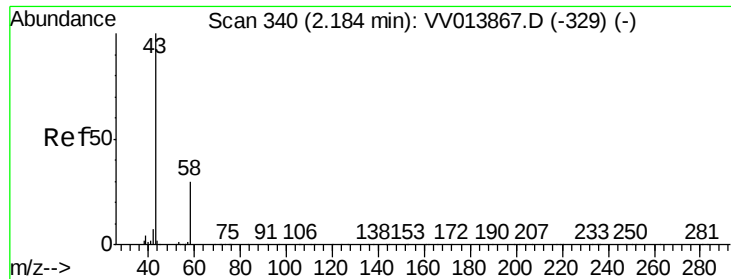


Abundance Ion 96.00 (95.70 to 96.70): VV013870.D (-233) (-)

Ion 61.00 (60.70 to 61.70): VV013870.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV013870.D (-233) (-)





#13

Acetone

Concen: 89.257 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV013870.D

Acq: 02 Dec 2019 14:20

Instrument :

MSVOA_V

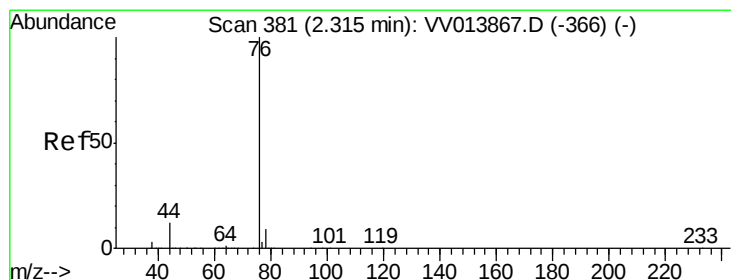
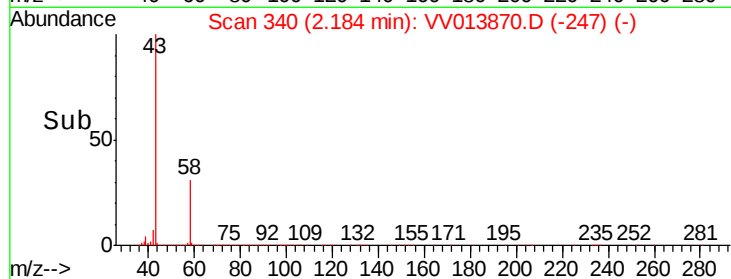
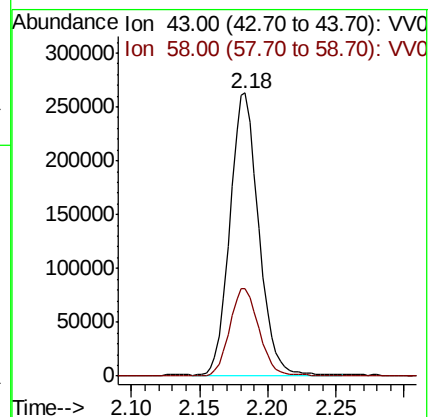
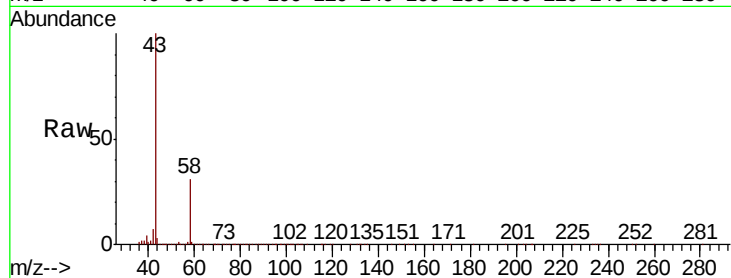
ClientSampleId :

Tot Ion: 43 Resp: 382984

Ion Ratio Lower Upper

43 100

58 31.3 0.0 60.8



#14

Carbon disulfide

Concen: 45.724 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013870.D

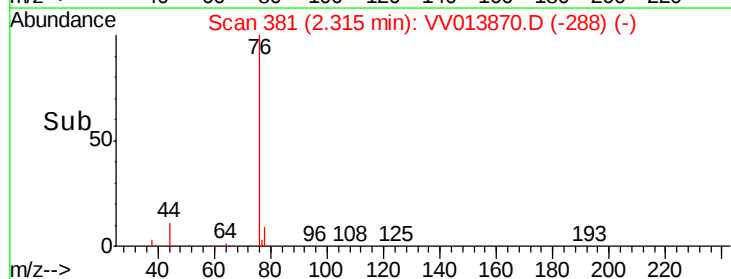
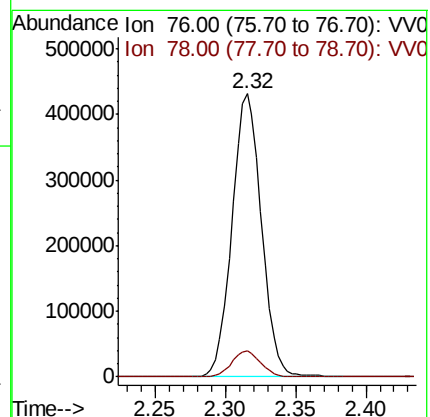
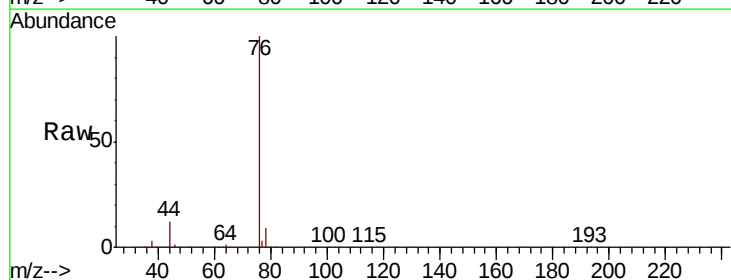
Acq: 02 Dec 2019 14:20

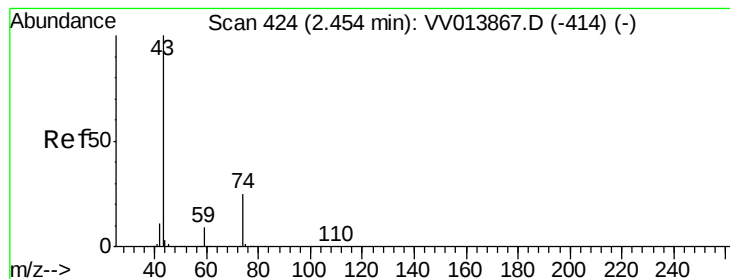
Tgt Ion: 76 Resp: 630065

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8





#15

Methvl Acetate

Concen: 47.273 ug/L

RT: 2.45 min Scan# 424

Delta R.T. 0.00 min

Lab File: VV013870.D

Acq: 02 Dec 2019 14:20

Instrument :

MSVOA_V

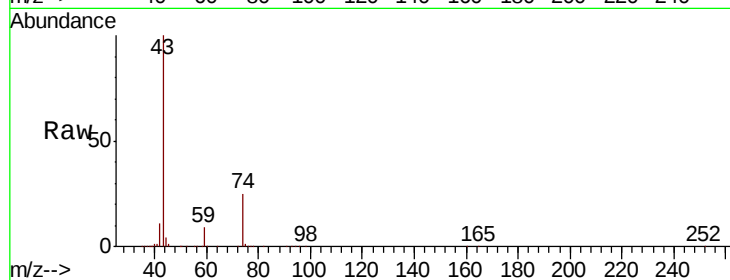
ClientSampleId :

Tot Ion: 43 Resp: 249982

Ion Ratio Lower Upper

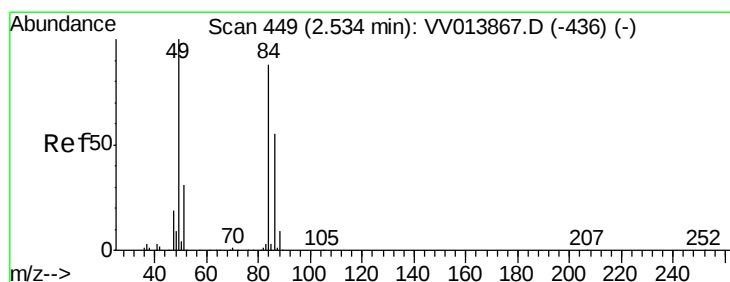
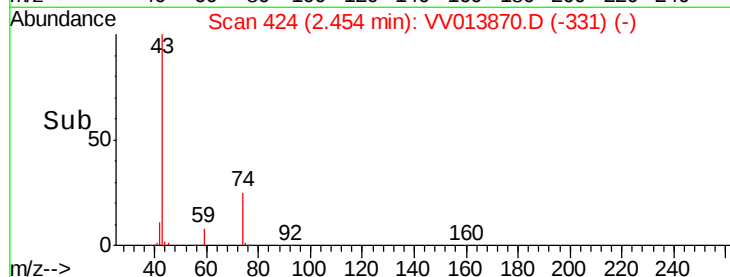
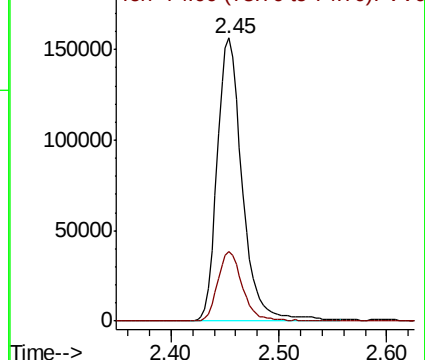
43 100

74 24.5 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 47.856 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV013870.D

Acq: 02 Dec 2019 14:20

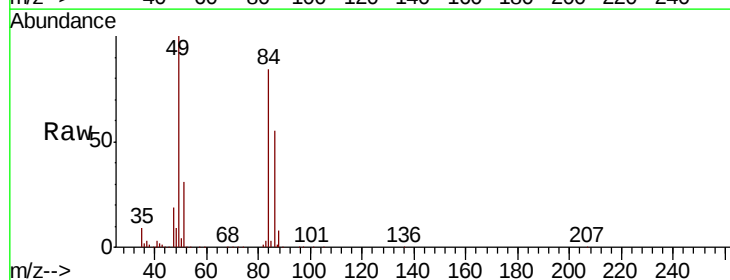
Tgt Ion: 84 Resp: 260404

Ion Ratio Lower Upper

84 100

86 65.0 43.9 81.5

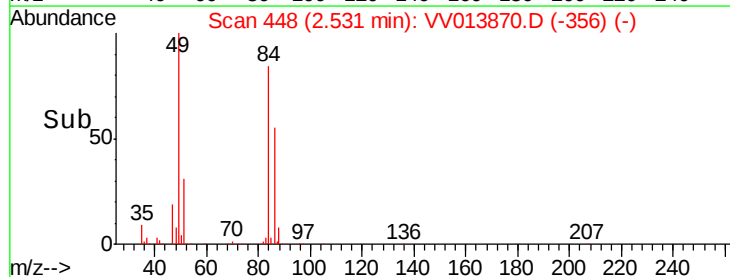
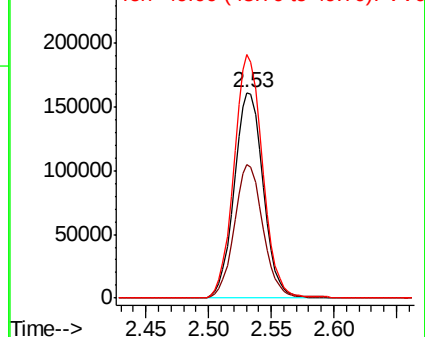
49 118.6 79.7 147.9

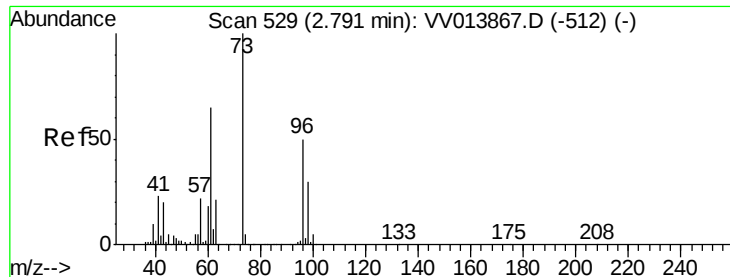


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 46.902 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV013870.D

Acq: 02 Dec 2019 14:20

Instrument :
MSVOA_V
ClientSampled :

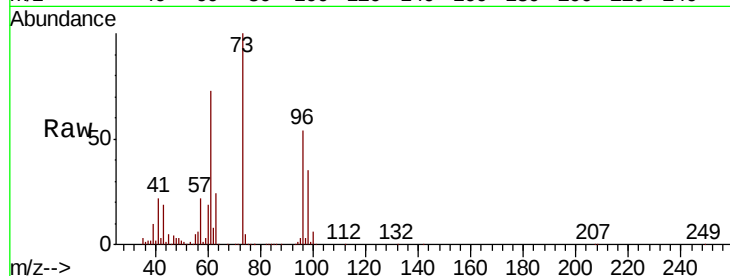
Tot Ion: 96 Resp: 239720

Ion Ratio Lower Upper

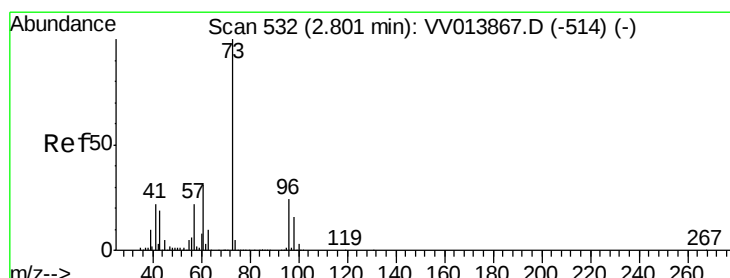
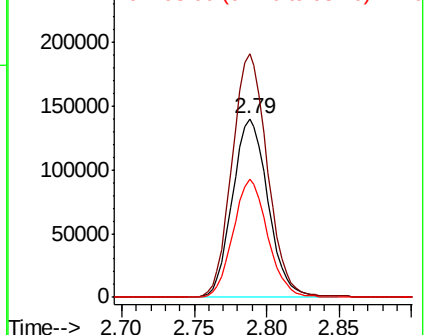
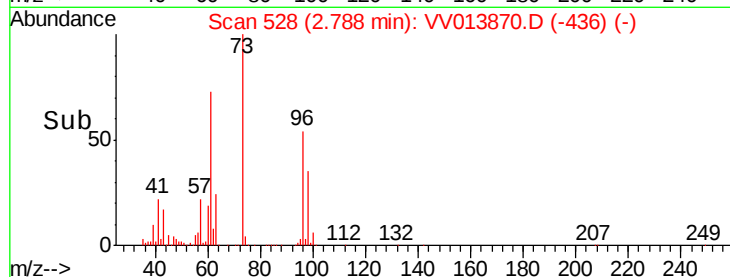
96 100

61 136.3 92.2 171.2

98 65.9 42.6 79.2



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 49.373 ug/L

RT: 2.80 min Scan# 531

Delta R.T. -0.00 min

Lab File: VV013870.D

Acq: 02 Dec 2019 14:20

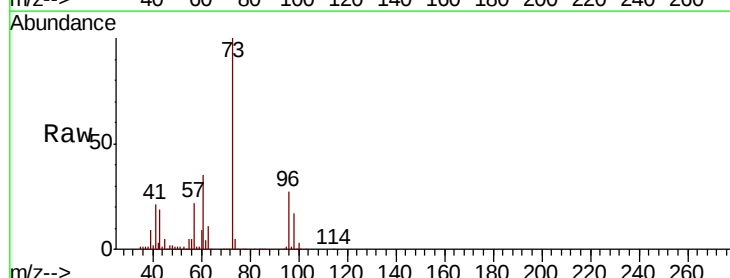
Tgt Ion: 73 Resp: 732317

Ion Ratio Lower Upper

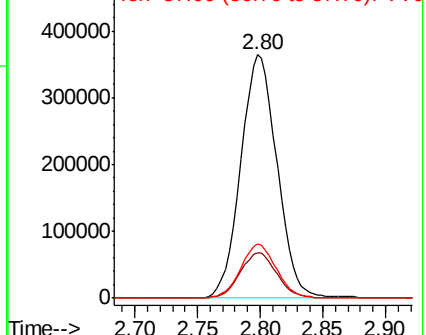
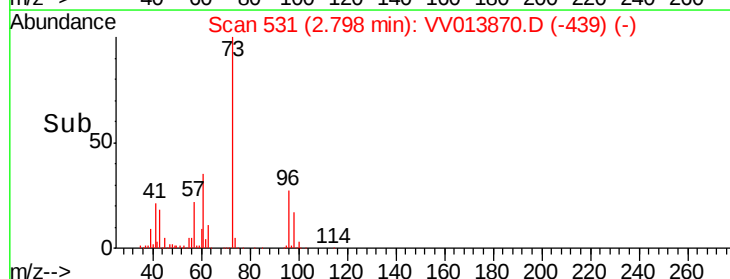
73 100

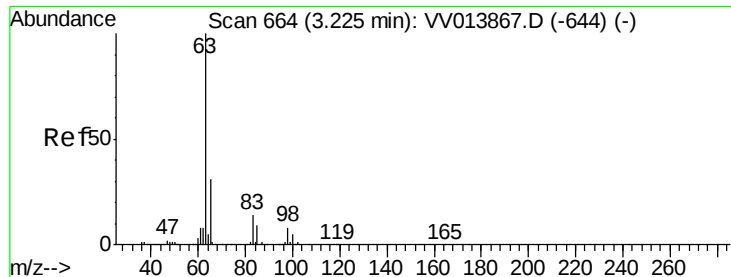
43 18.6 15.0 22.6

57 22.0 17.4 26.2



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

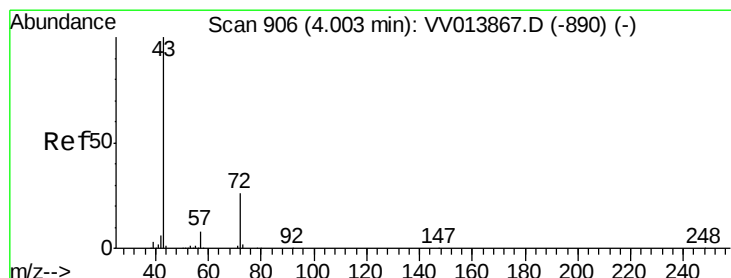
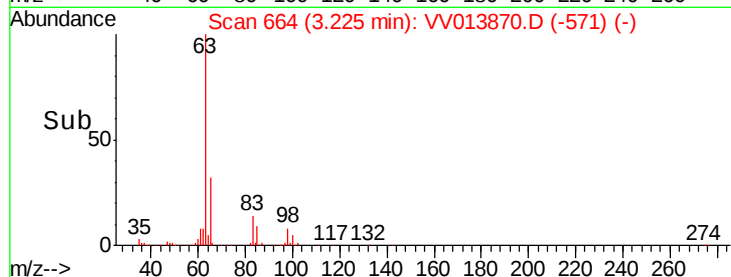
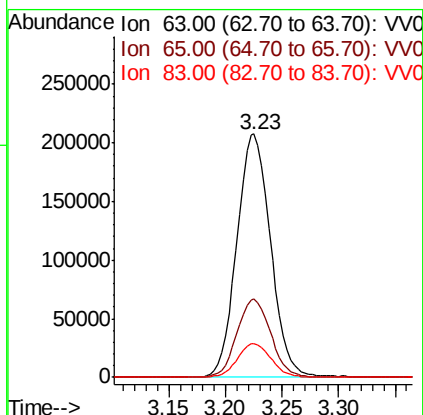
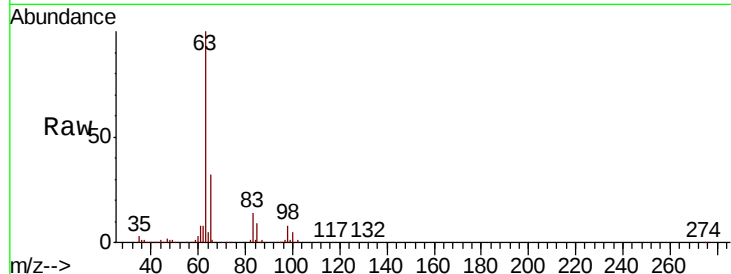




#19
 1,1-Dichloroethane
 Concen: 47.003 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV013870.D
 Acq: 02 Dec 2019 14:20

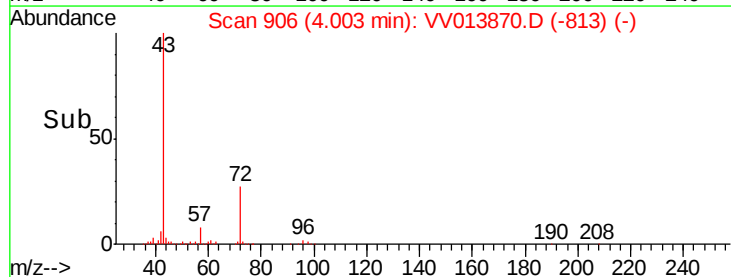
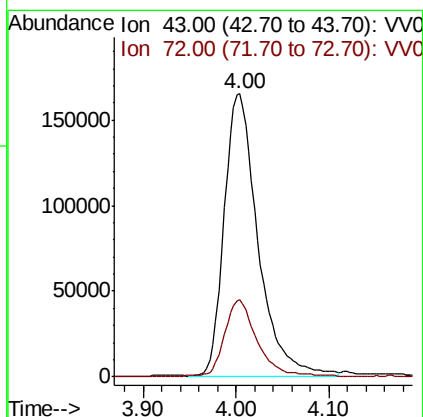
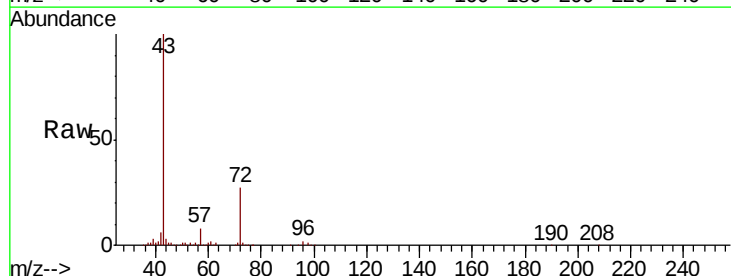
Instrument :
 MSVOA_V
 ClientSampled :

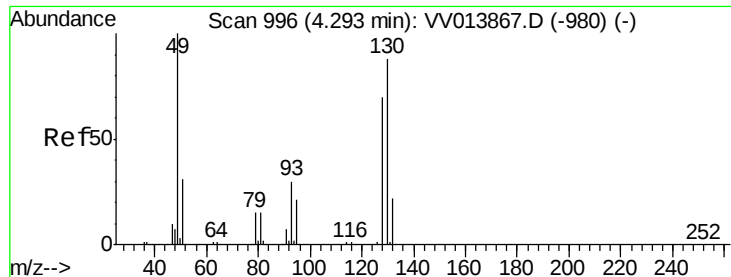
Tot Ion: 63 Resp: 432821
 Ion Ratio Lower Upper
 63 100
 65 32.1 21.5 39.9
 83 13.9 9.7 18.1



#22
 2-Butanone
 Concen: 100.924 ug/L
 RT: 4.00 min Scan# 906
 Delta R.T. 0.00 min
 Lab File: VV013870.D
 Acq: 02 Dec 2019 14:20

Tgt Ion: 43 Resp: 415652
 Ion Ratio Lower Upper
 43 100
 72 25.4 14.1 42.2





#23

Bromochloromethane

Concen: 48.304 ug/L

RT: 4.29 min Scan# 996

Delta R.T. 0.00 min

Lab File: VV013870.D

Acq: 02 Dec 2019 14:20

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 147713

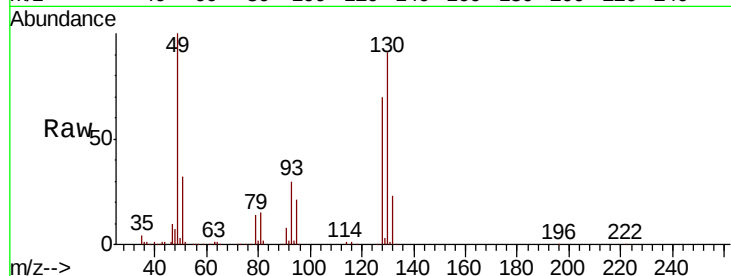
Ion Ratio Lower Upper

128 100

49 142.2 100.4 186.4

130 129.6 88.3 163.9

51 45.1 35.8 53.8

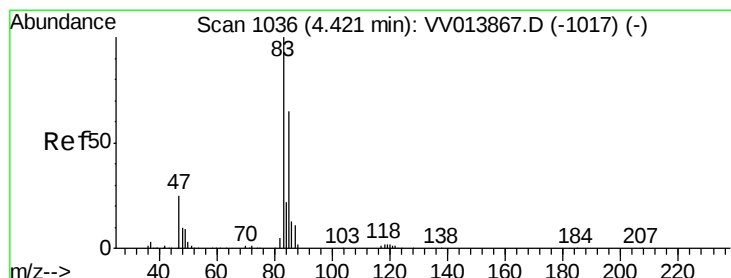
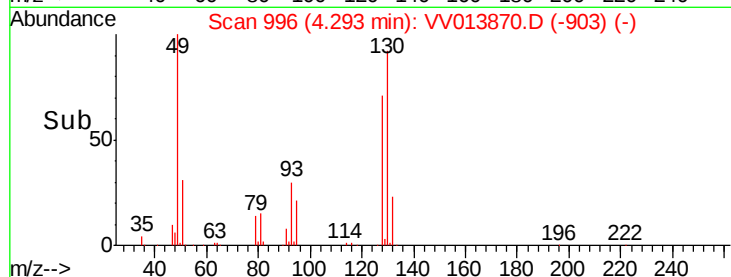
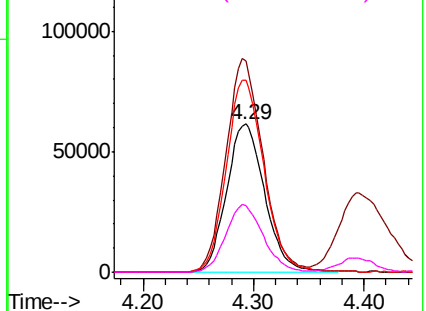


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 46.413 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV013870.D

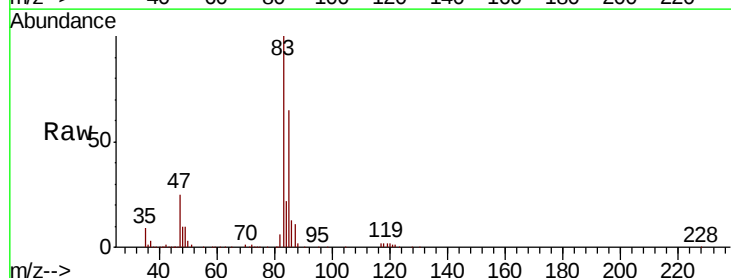
Acq: 02 Dec 2019 14:20

Tgt Ion: 83 Resp: 456898

Ion Ratio Lower Upper

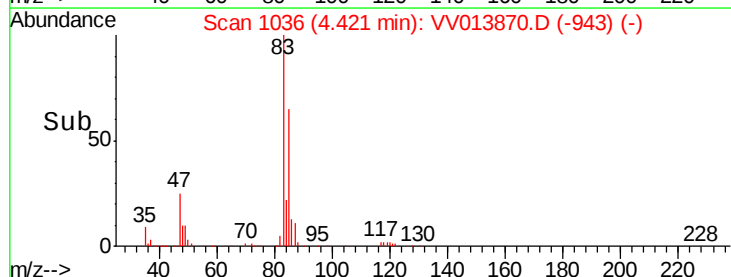
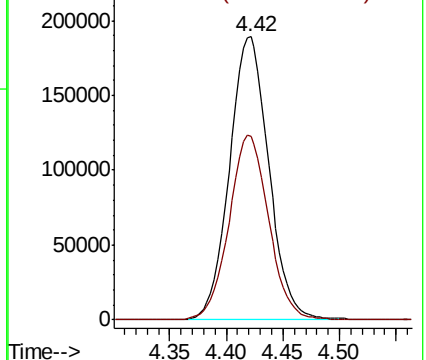
83 100

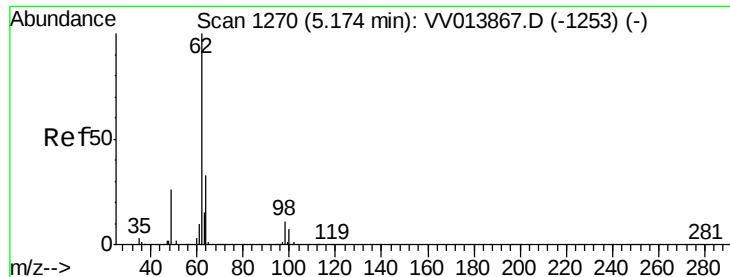
85 64.9 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 48.961 ug/L

RT: 5.17 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VV013870.D

Acq: 02 Dec 2019 14:20

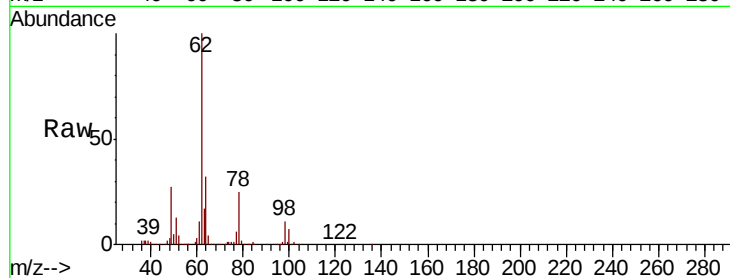
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 347307

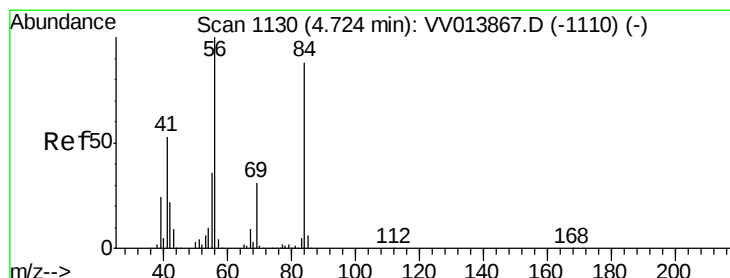
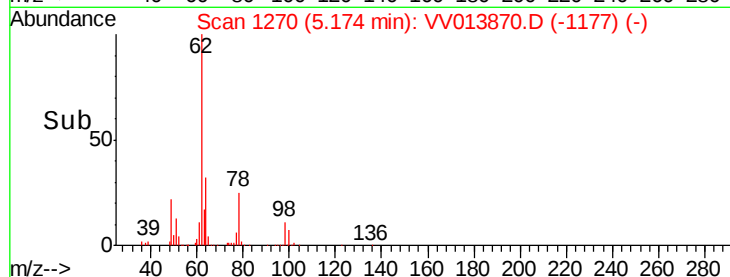
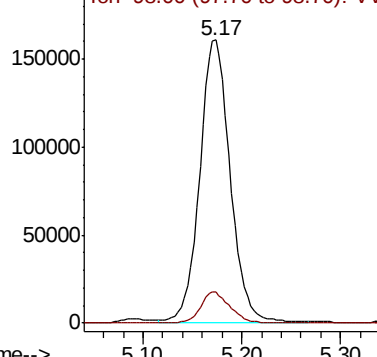
Ion Ratio Lower Upper

62 100

98 10.8 8.5 12.7



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#29

Cyclohexane

Concen: 49.618 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV013870.D

Acq: 02 Dec 2019 14:20

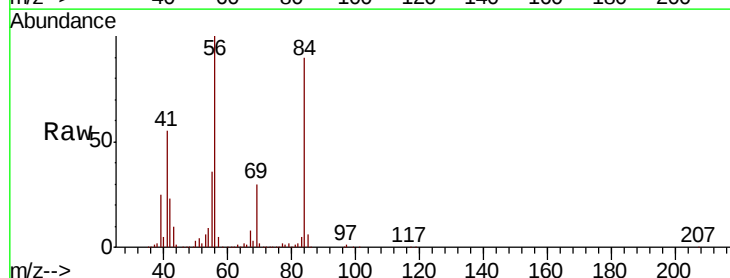
Tgt Ion: 56 Resp: 399961

Ion Ratio Lower Upper

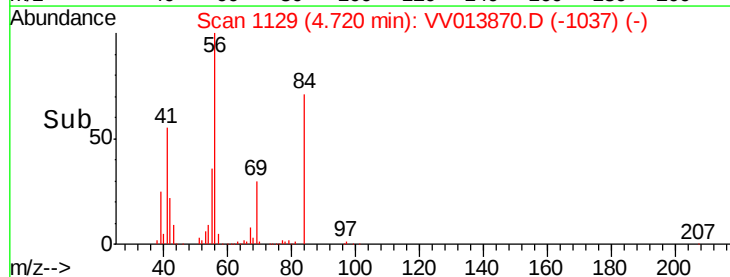
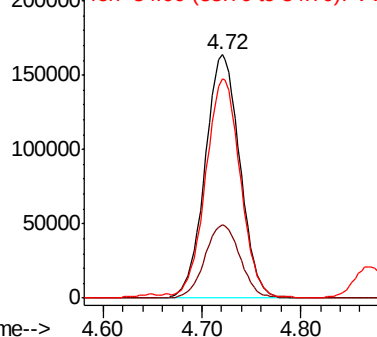
56 100

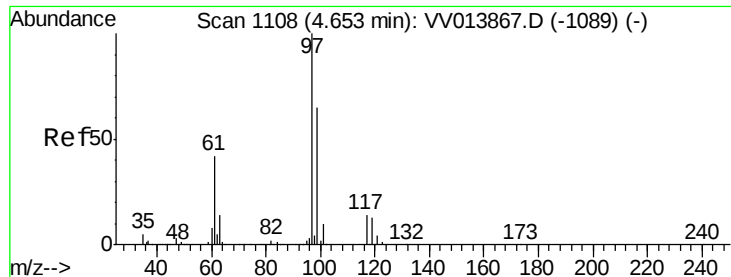
69 30.6 24.9 37.3

84 88.8 71.0 106.4



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

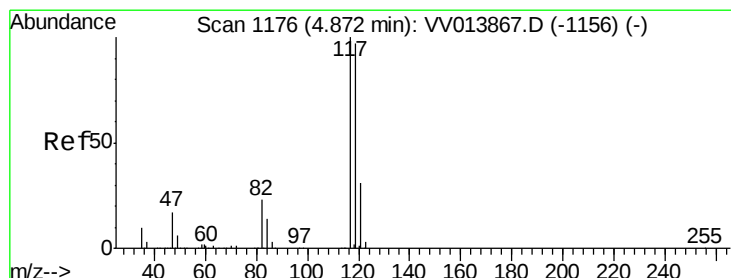
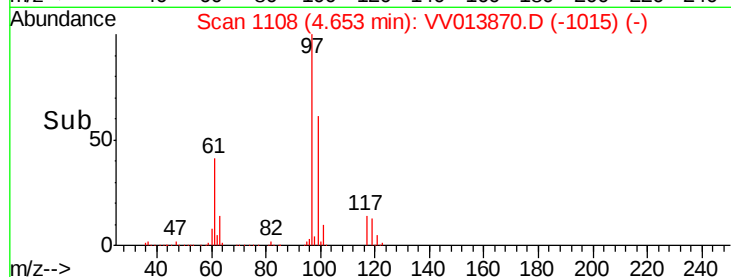
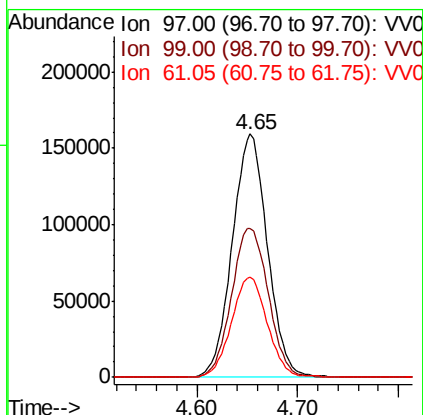
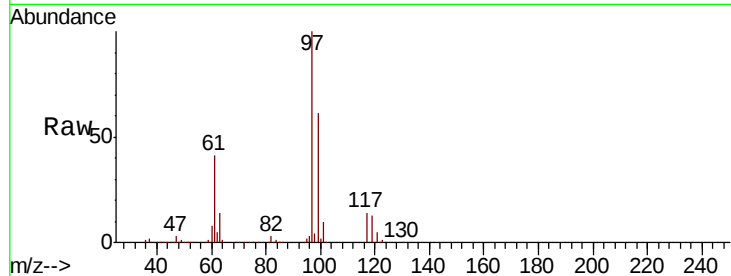




#30
 1,1,1-Trichloroethane
 Concen: 46.227 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV013870.D
 Acq: 02 Dec 2019 14:20

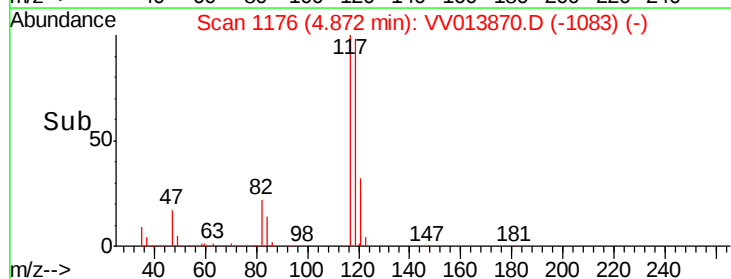
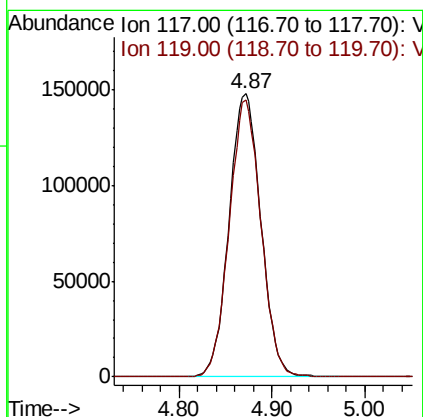
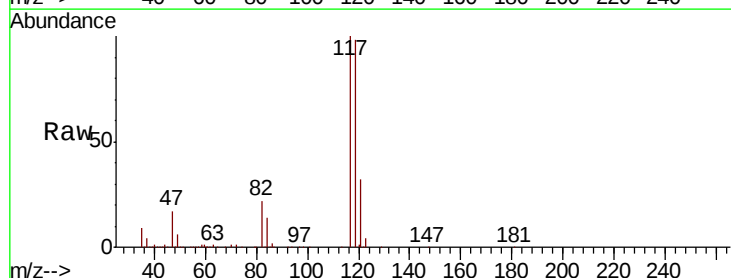
Instrument :
 MSVOA_V
 ClientSampleId :

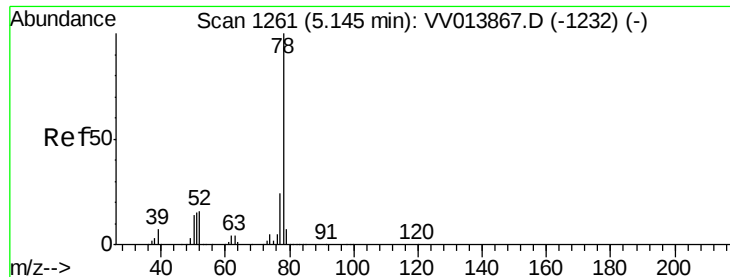
Tot Ion: 97 Resp: 385024
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.4 77.2
 61 42.3 33.2 49.8



#31
 Carbon tetrachloride
 Concen: 47.313 ug/L
 RT: 4.87 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VV013870.D
 Acq: 02 Dec 2019 14:20

Tgt Ion: 117 Resp: 352015
 Ion Ratio Lower Upper
 117 100
 119 97.1 77.9 116.9





#33

Benzene

Concen: 48.315 ug/L

RT: 5.14 min Scan# 1260

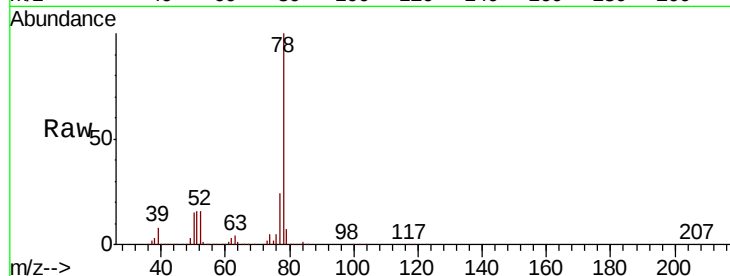
Delta R.T. -0.00 min

Lab File: VV013870.D

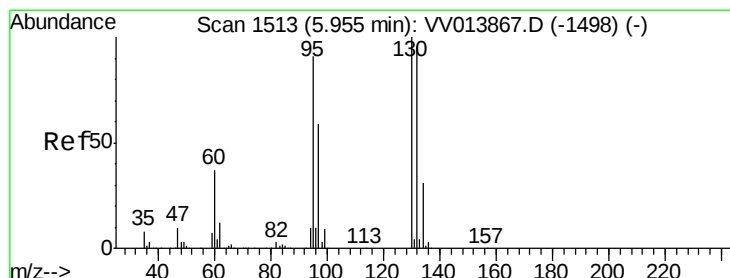
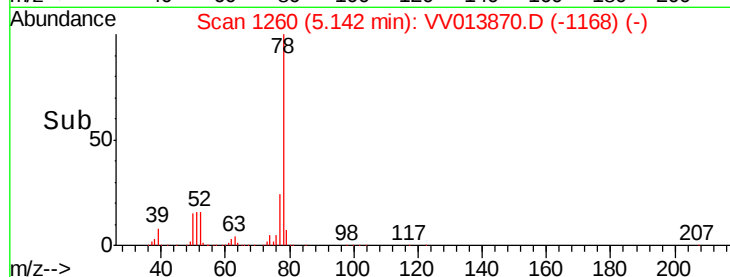
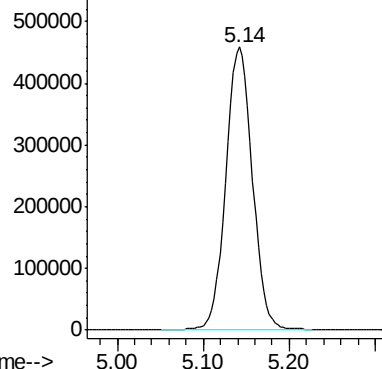
Acq: 02 Dec 2019 14:20

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 78 Resp: 992699



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 46.536 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013870.D

Acq: 02 Dec 2019 14:20

Tgt Ion: 95 Resp: 256448

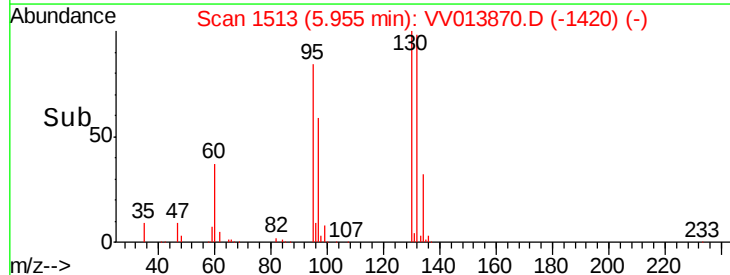
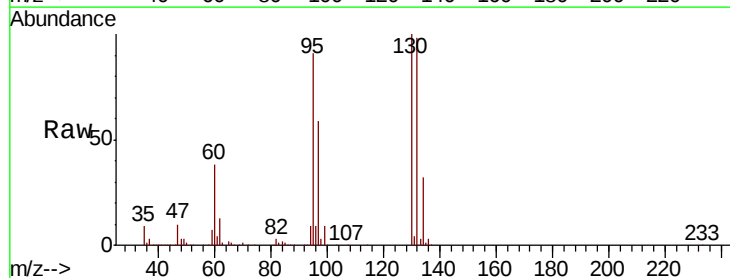
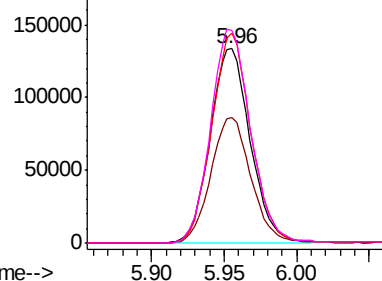
Ion	Ratio	Lower	Upper
95	100		
97	64.9	45.4	84.4
132	108.0	73.7	136.9
130	109.7	77.1	143.1

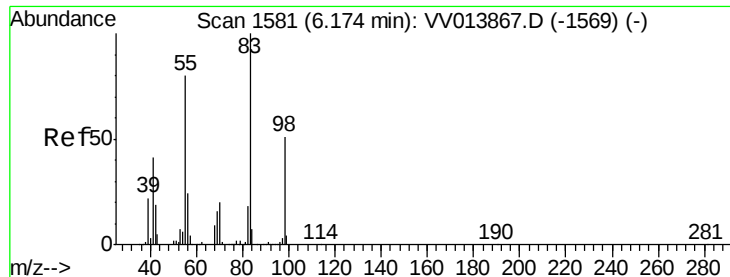
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

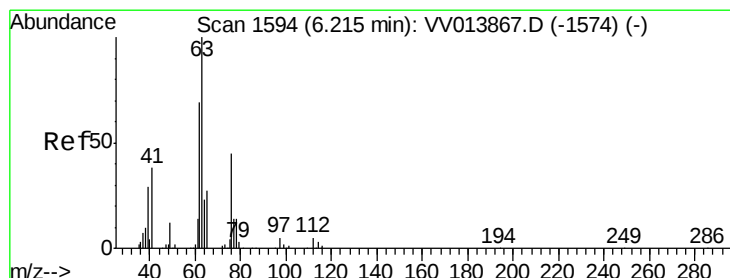
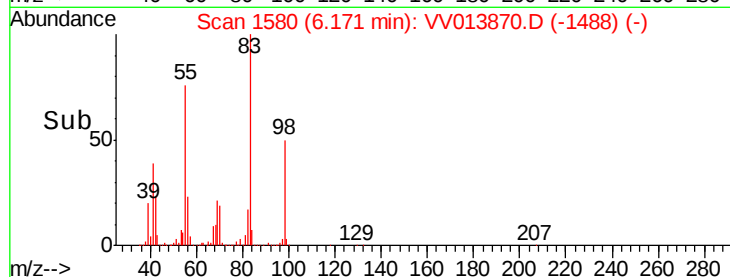
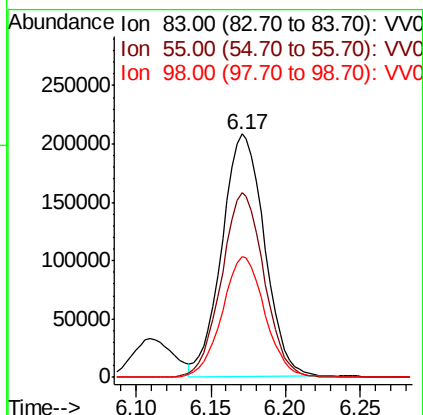
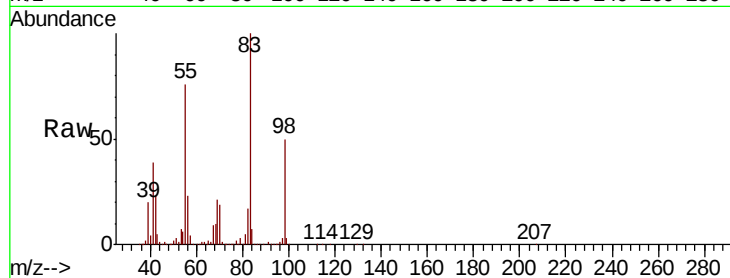




#35
Methvlcvclohexane
Concen: 49.833 ug/L
RT: 6.17 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VV013870.D
Acq: 02 Dec 2019 14:20

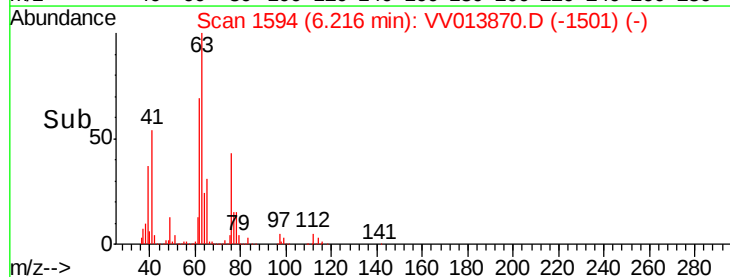
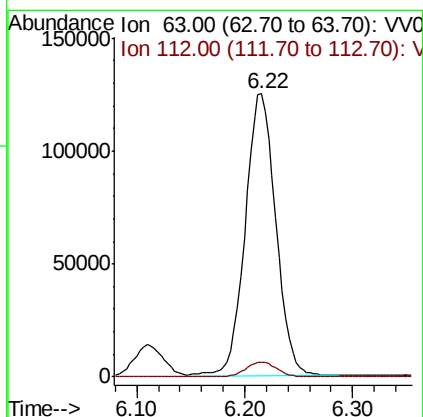
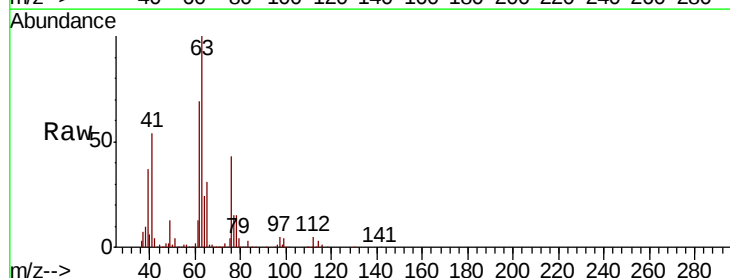
Instrument :
MSVOA_V
ClientSampleId :

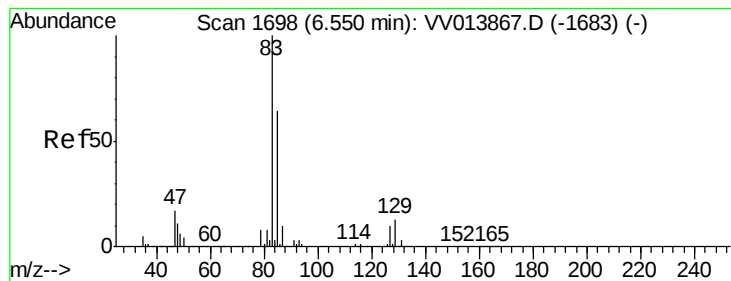
Tot Ion: 83 Resp: 412030
Ion Ratio Lower Upper
83 100
55 76.1 61.0 91.4
98 49.8 39.6 59.4



#37
1,2-Dichloropropane
Concen: 49.314 ug/L
RT: 6.22 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VV013870.D
Acq: 02 Dec 2019 14:20

Tgt Ion: 63 Resp: 245226
Ion Ratio Lower Upper
63 100
112 5.4 4.2 6.2





#38

Bromodichloromethane

Concen: 45.844 ug/L

RT: 6.55 min Scan# 1697

Delta R.T. -0.00 min

Lab File: VV013870.D

Acq: 02 Dec 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

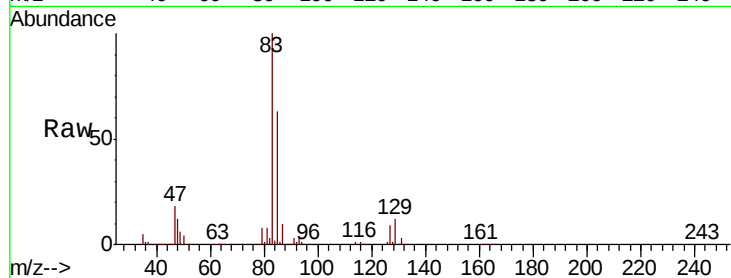
Tot Ion: 83 Resp: 323304

Ion Ratio Lower Upper

83 100

85 63.3 44.8 83.2

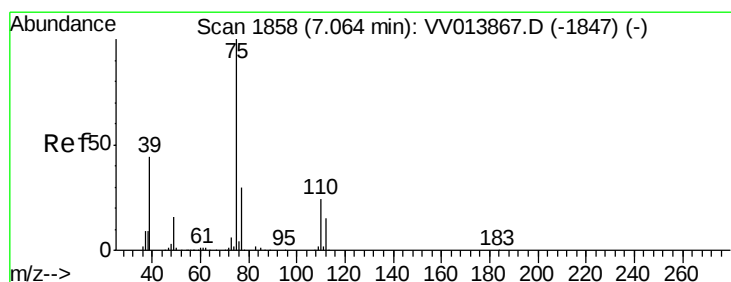
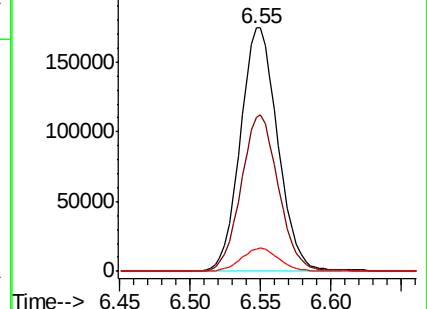
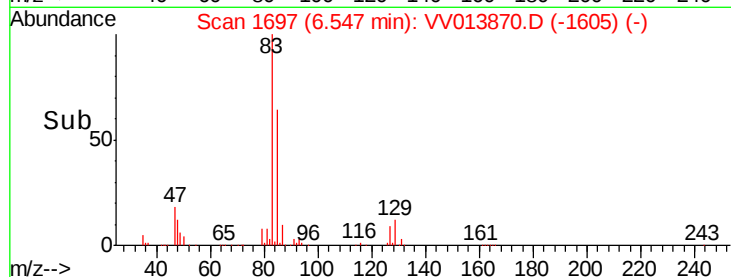
127 9.2 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VV013870.D (-1605) (-)

Ion 85.00 (84.70 to 85.70): VV013870.D (-1605) (-)

Ion 127.00 (126.70 to 127.70): VV013870.D (-1605) (-)



#39

cis-1,3-Dichloropropene

Concen: 50.571 ug/L

RT: 7.06 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VV013870.D

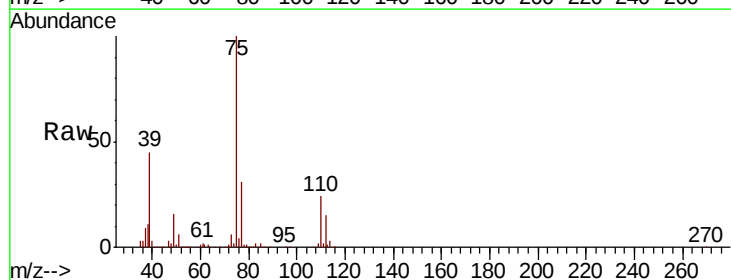
Acq: 02 Dec 2019 14:20

Tgt Ion: 75 Resp: 395893

Ion Ratio Lower Upper

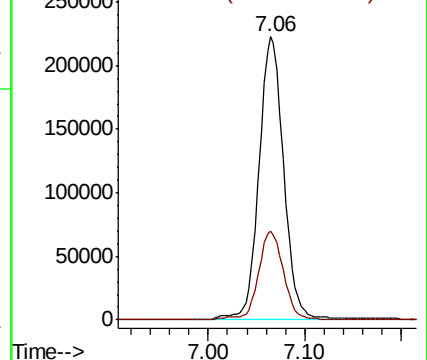
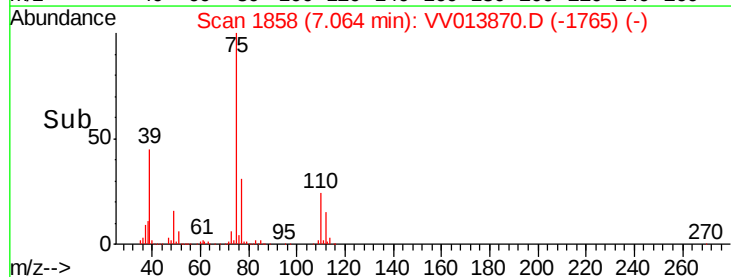
75 100

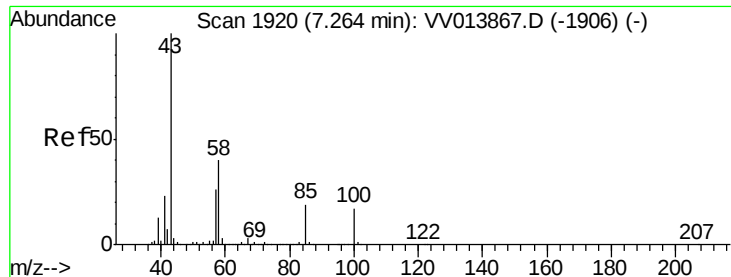
77 31.5 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV013870.D (-1765) (-)

Ion 77.00 (76.70 to 77.70): VV013870.D (-1765) (-)

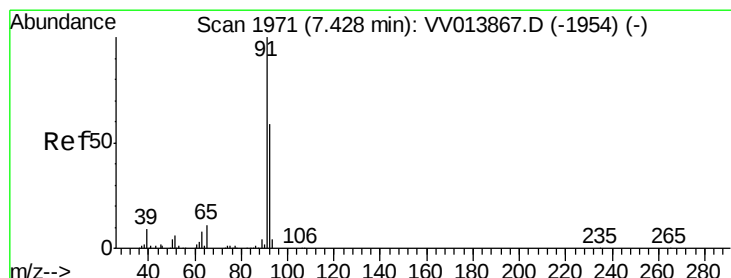
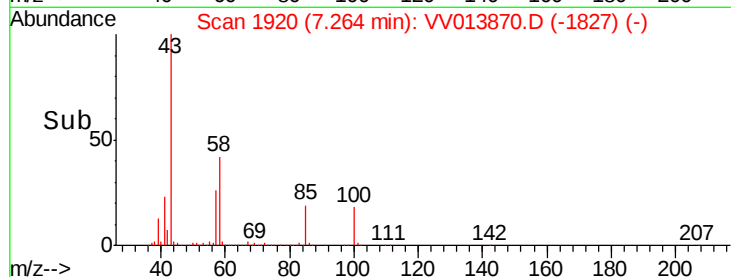
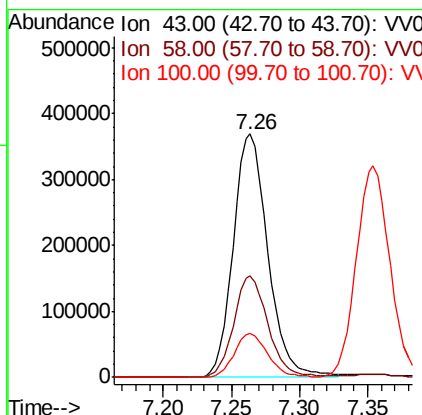
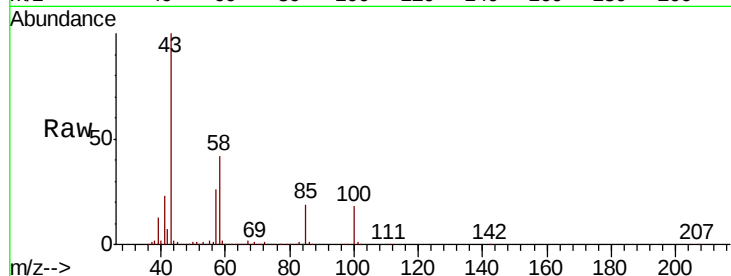




#40
4-Methyl-2-pentanone
Concen: 100.615 ug/L
RT: 7.26 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VV013870.D
Acq: 02 Dec 2019 14:20

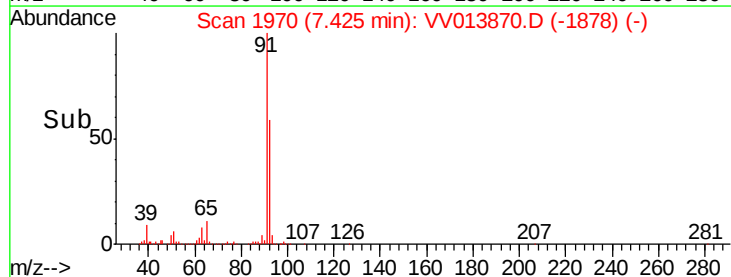
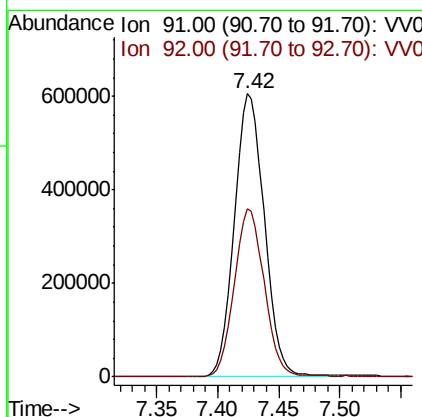
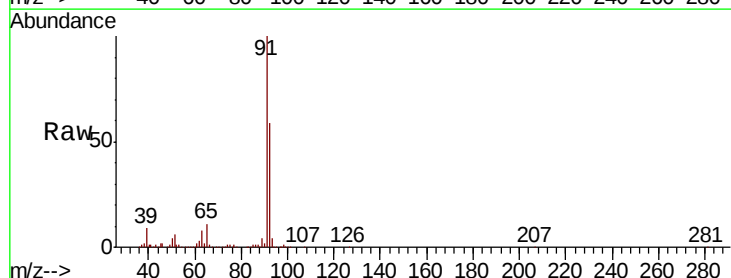
Instrument :
MSVOA_V
ClientSampled :

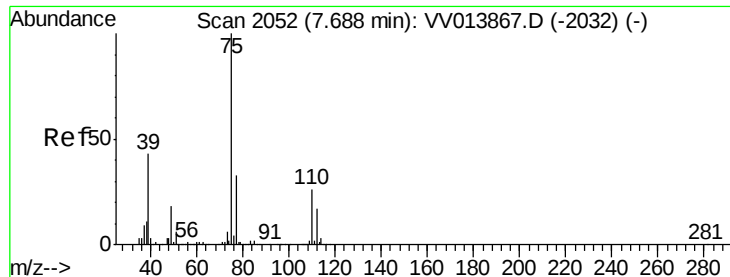
Tot Ion: 43 Resp: 650613
Ion Ratio Lower Upper
43 100
58 41.1 31.9 47.9
100 17.6 13.7 20.5



#42
Toluene
Concen: 48.923 ug/L
RT: 7.42 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VV013870.D
Acq: 02 Dec 2019 14:20

Tgt Ion: 91 Resp: 1037124
Ion Ratio Lower Upper
91 100
92 59.2 41.4 77.0





#44

trans-1,3-Dichloropropene

Concen: 47.637 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV013870.D

Acq: 02 Dec 2019 14:20

Instrument :

MSVOA_V

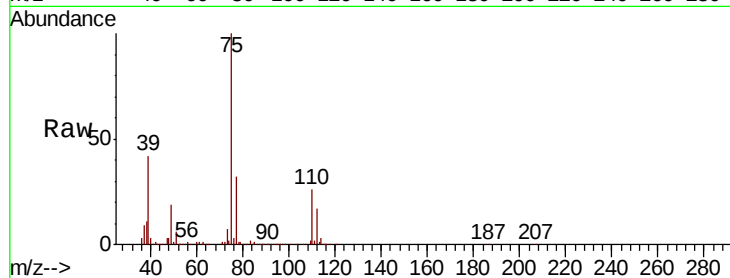
ClientSampleId :

Tot Ion: 75 Resp: 337698

Ion Ratio Lower Upper

75 100

77 32.3 22.9 42.5



Abundance Ion 75.00 (74.70 to 75.70): VV013867.D (-2032) (-)

Ion 77.00 (76.70 to 77.70): VV013867.D (-2032) (-)

7.69

200000

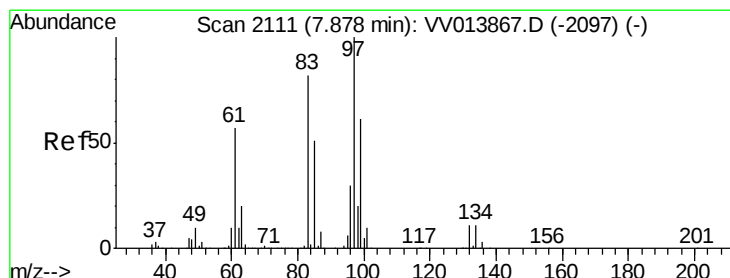
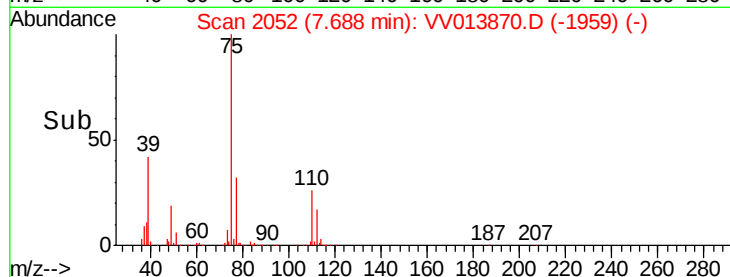
150000

100000

50000

0

Time-->



#45

1,1,2-Trichloroethane

Concen: 48.342 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VV013870.D

Acq: 02 Dec 2019 14:20

Tgt Ion: 97 Resp: 238617

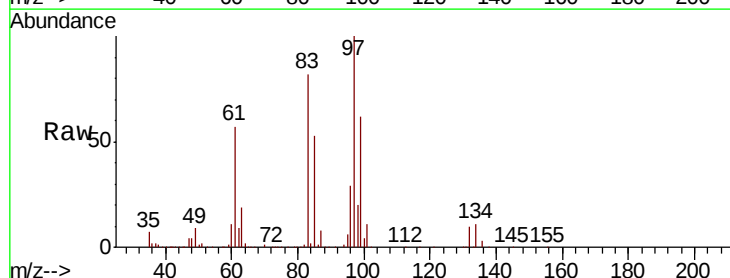
Ion Ratio Lower Upper

97 100

99 61.8 43.0 80.0

83 82.1 57.5 106.9

85 52.7 35.6 66.2



Abundance Ion 97.00 (96.70 to 97.70): VV013867.D (-2097) (-)

Ion 99.00 (98.70 to 99.70): VV013867.D (-2097) (-)

Ion 83.00 (82.70 to 83.70): VV013867.D (-2097) (-)

Ion 85.00 (84.70 to 85.70): VV013867.D (-2097) (-)

7.88

200000

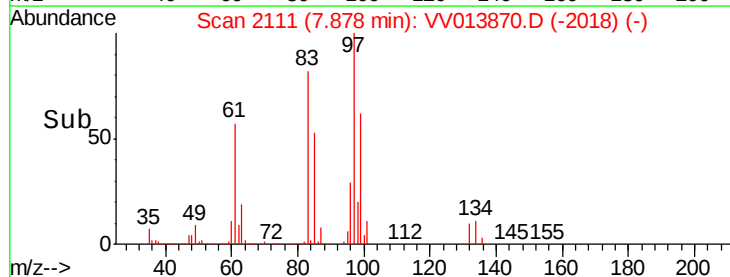
150000

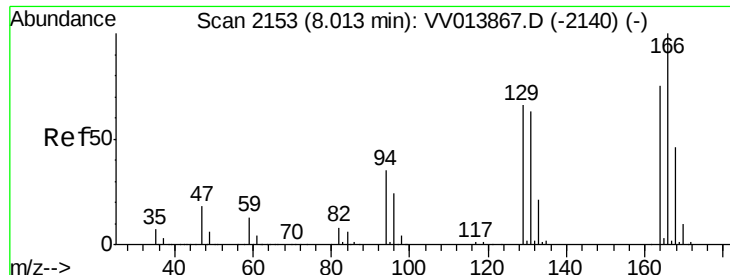
100000

50000

0

Time-->





#46

Tetrachloroethene

Concen: 47.689 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VV013870.D

Acq: 02 Dec 2019 14:20

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164 Resp: 237143

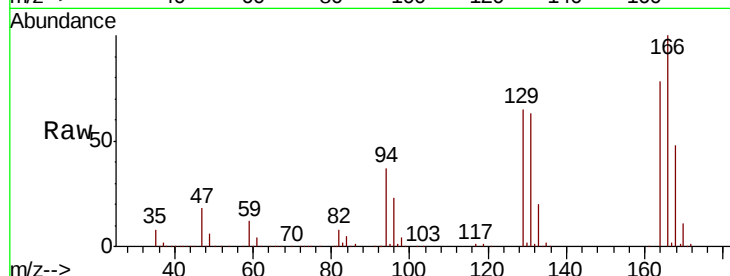
Ion Ratio Lower Upper

164 100

129 83.0 61.7 114.7

131 80.2 58.4 108.6

166 127.4 93.4 173.6

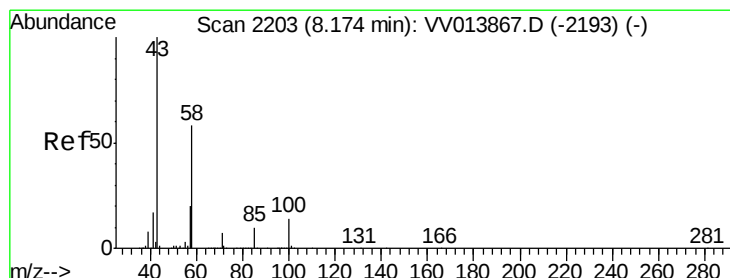
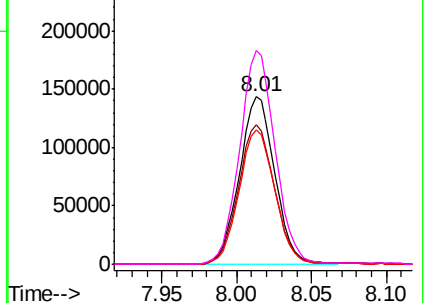
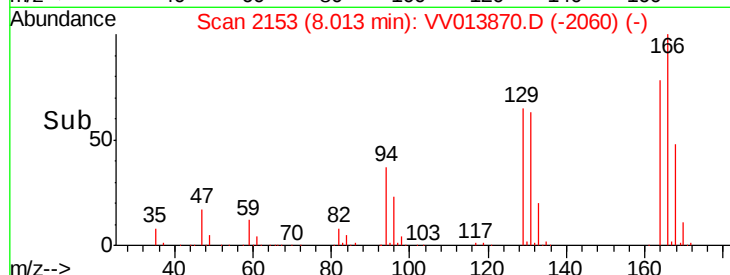


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 101.920 ug/L

RT: 8.17 min Scan# 2203

Delta R.T. 0.00 min

Lab File: VV013870.D

Acq: 02 Dec 2019 14:20

Tgt Ion: 43 Resp: 527204

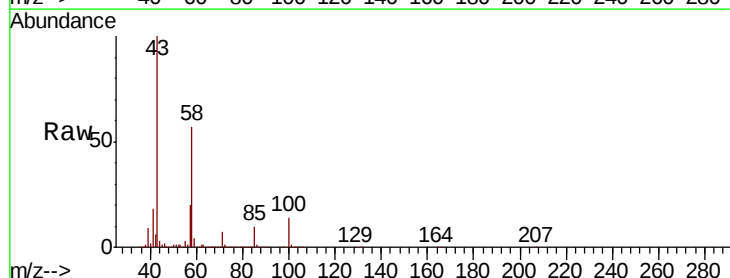
Ion Ratio Lower Upper

43 100

58 55.4 48.4 72.6

57 19.7 16.6 24.8

100 13.9 11.9 17.9

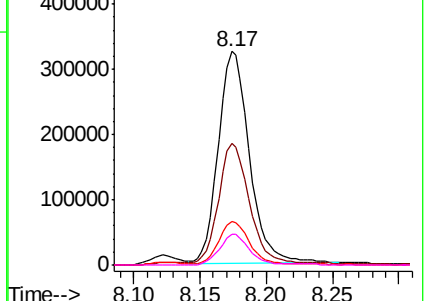
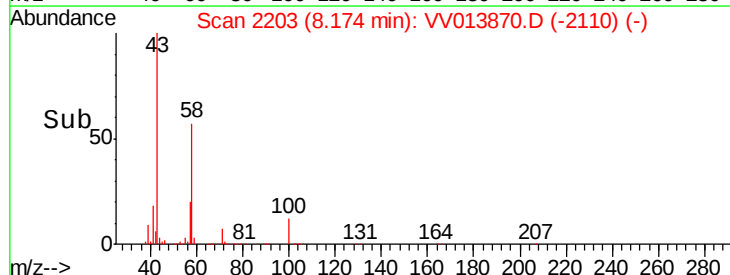


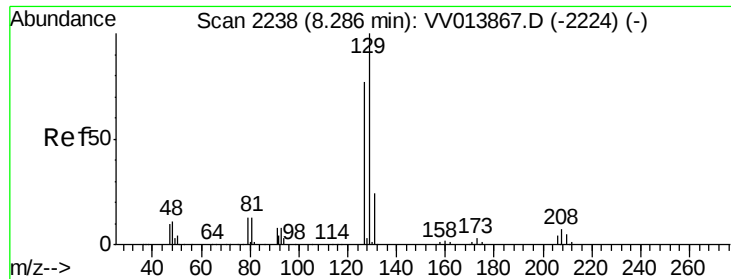
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 47.106 ug/L

RT: 8.28 min Scan# 2237

Delta R.T. -0.00 min

Lab File: VV013870.D

Acq: 02 Dec 2019 14:20

Instrument :

MSVOA_V

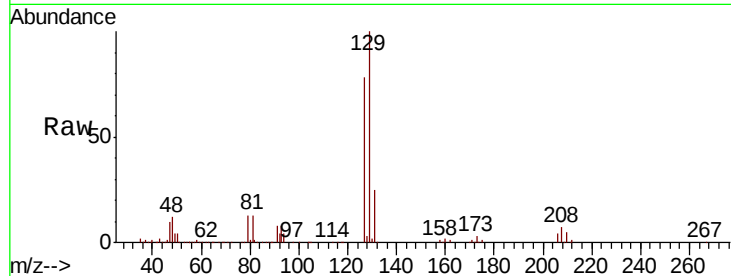
ClientSampleId :

Tot Ion:129 Resp: 284224

Ion Ratio Lower Upper

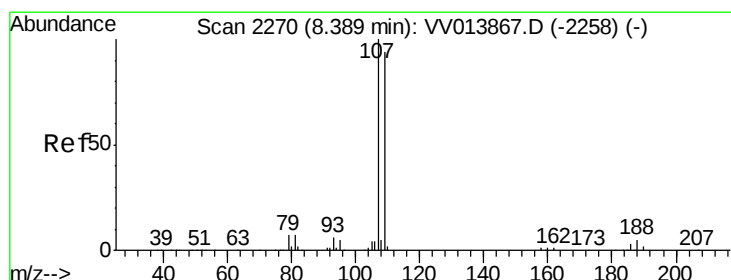
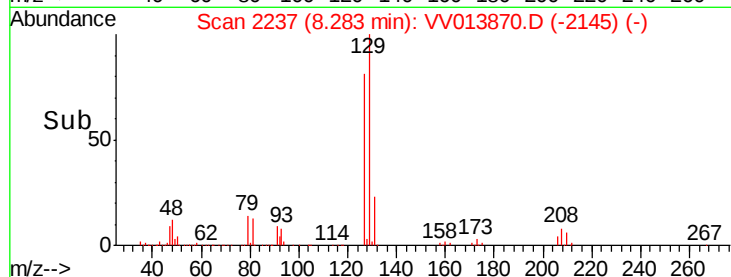
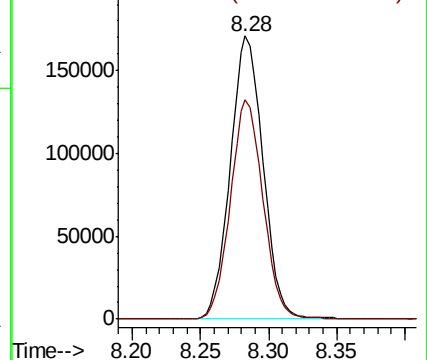
129 100

127 77.7 53.7 99.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 48.796 ug/L

RT: 8.39 min Scan# 2270

Delta R.T. 0.00 min

Lab File: VV013870.D

Acq: 02 Dec 2019 14:20

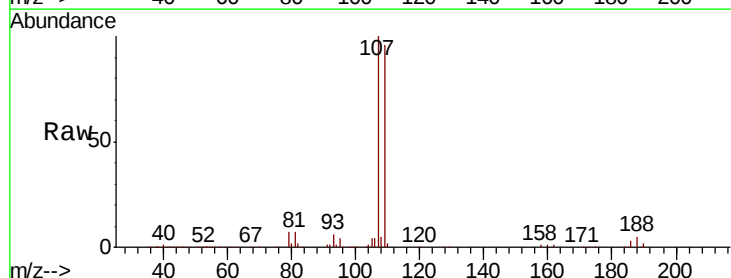
Tgt Ion:107 Resp: 265326

Ion Ratio Lower Upper

107 100

109 96.2 65.9 122.5

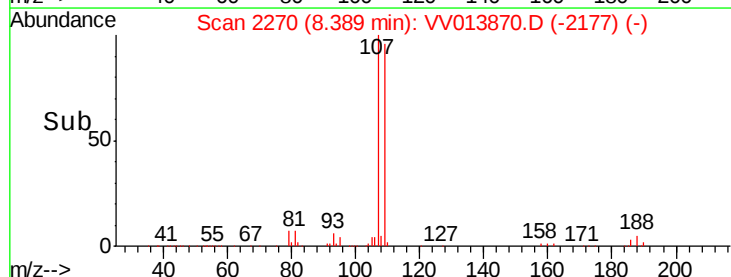
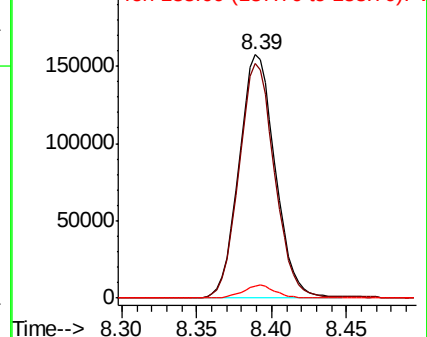
188 5.1 3.6 5.4

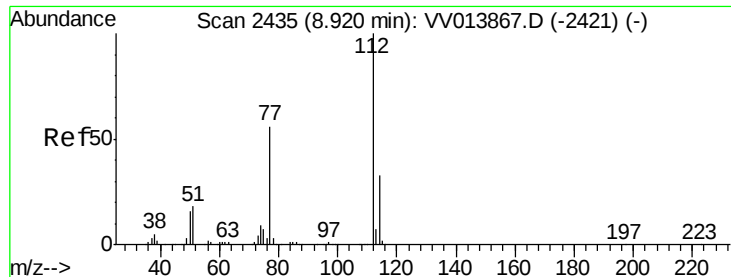


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 48.362 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VV013870.D

Acq: 02 Dec 2019 14:20

Instrument :
MSVOA_V
ClientSampled :

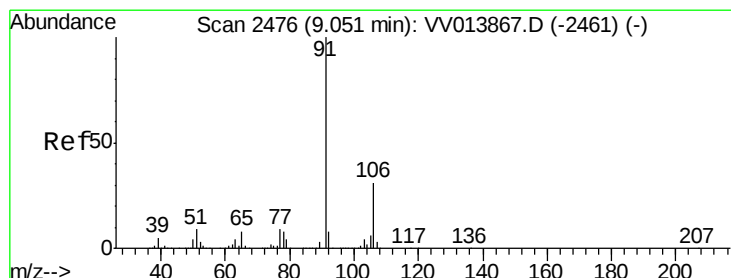
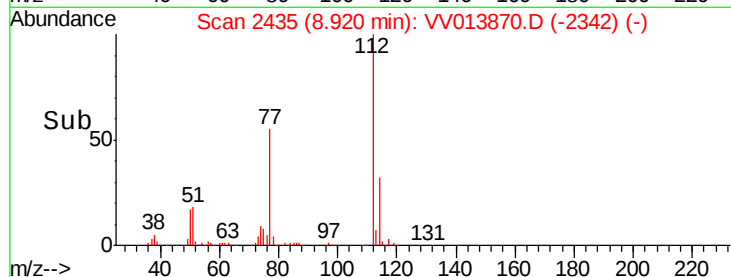
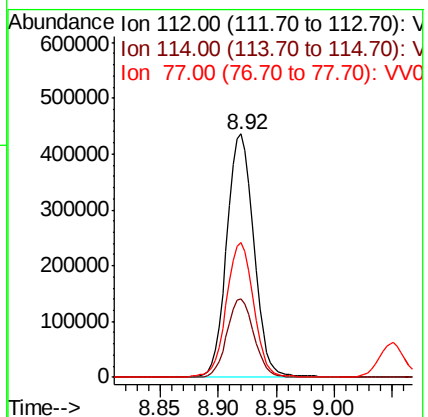
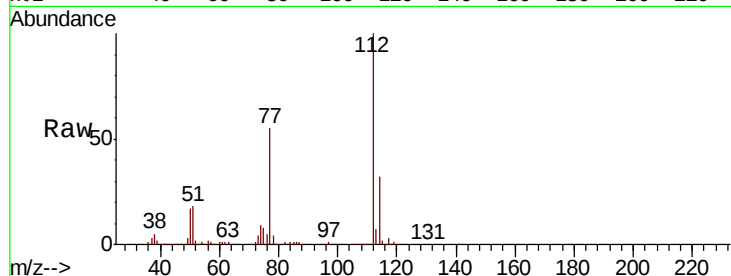
Tot Ion:112 Resp: 707321

Ion Ratio Lower Upper

112 100

114 32.3 23.2 43.2

77 55.4 45.0 67.4



#52

Ethylbenzene

Concen: 49.546 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. -0.00 min

Lab File: VV013870.D

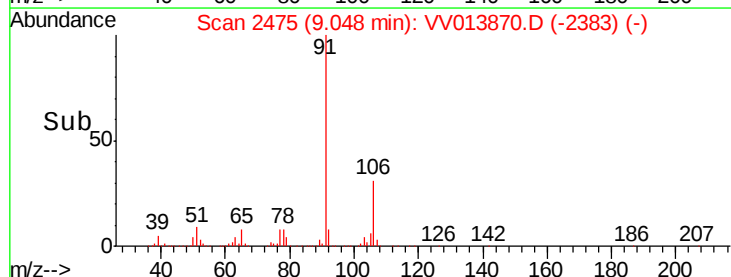
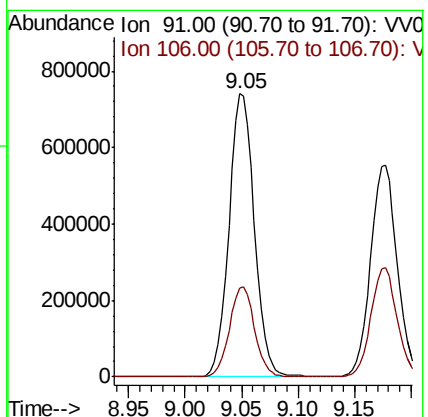
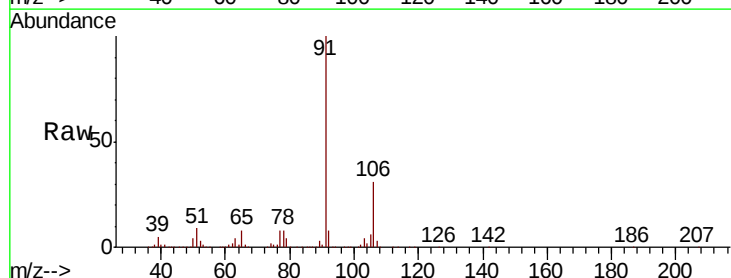
Acq: 02 Dec 2019 14:20

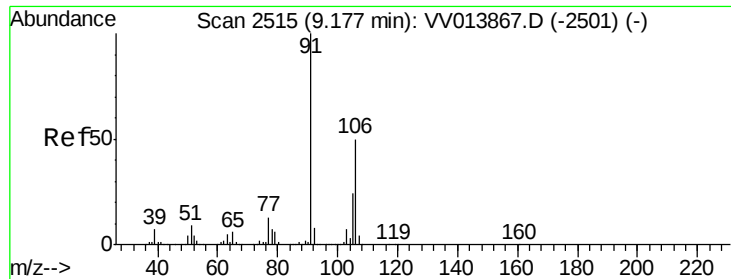
Tgt Ion: 91 Resp: 1157890

Ion Ratio Lower Upper

91 100

106 31.3 21.8 40.4

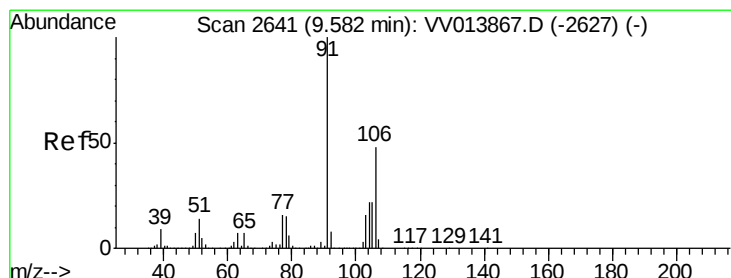
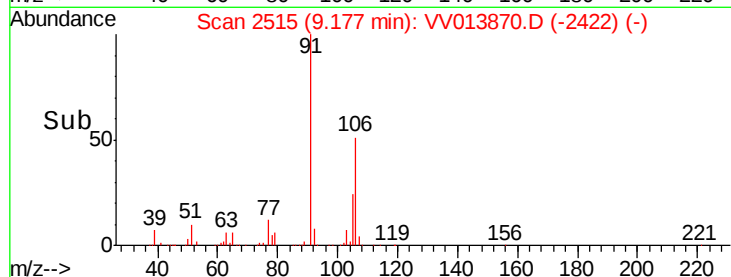
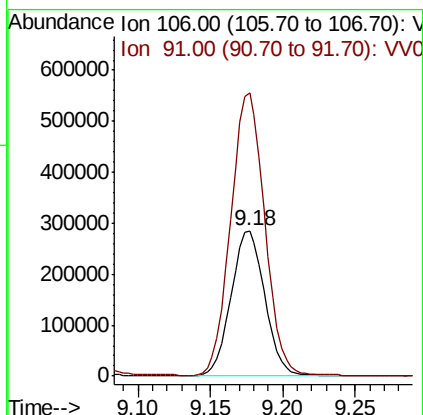
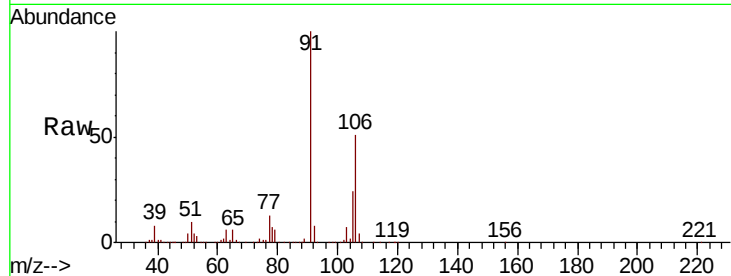




#53
m,p-Xylene
Concen: 50.833 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. 0.00 min
Lab File: VV013870.D
Acq: 02 Dec 2019 14:20

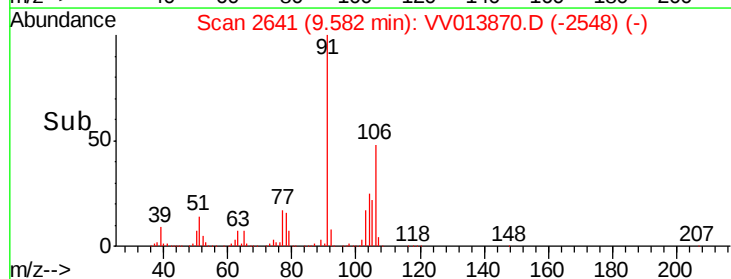
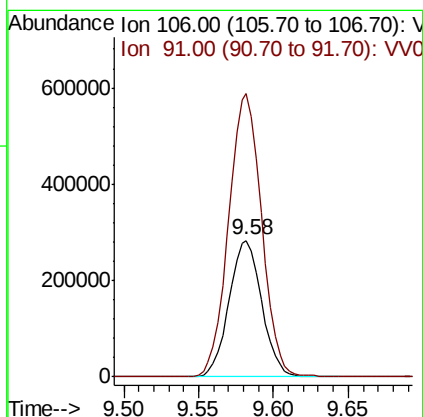
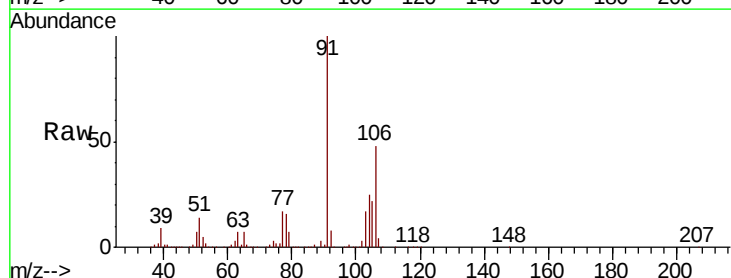
Instrument :
MSVOA_V
ClientSampleId :

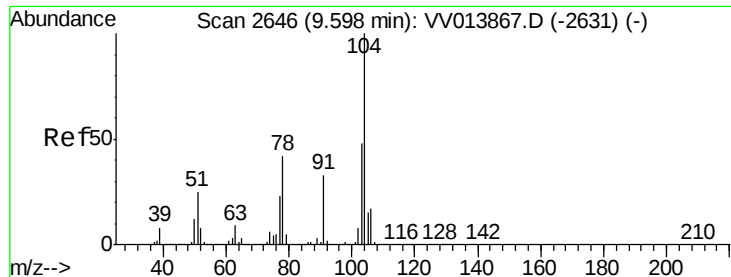
Tot Ion:106 Resp: 459398
Ion Ratio Lower Upper
106 100
91 194.7 139.4 259.0



#54
o-xylene
Concen: 48.689 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV013870.D
Acq: 02 Dec 2019 14:20

Tgt Ion:106 Resp: 430226
Ion Ratio Lower Upper
106 100
91 207.2 147.1 273.1





#55

Stvrene

Concen: 49.560 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV013870.D

Acq: 02 Dec 2019 14:20

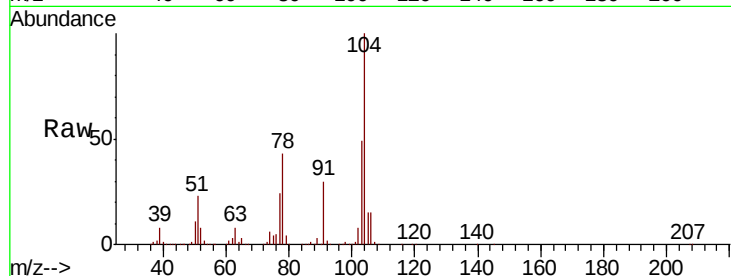
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:104 Resp: 755559

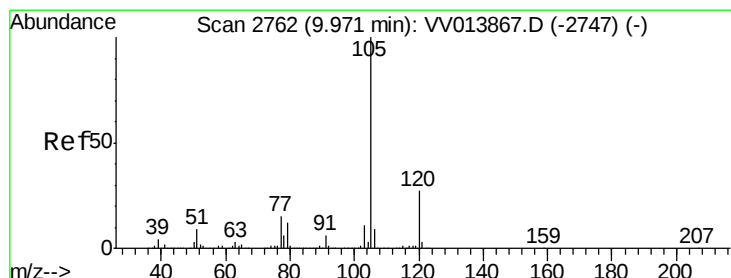
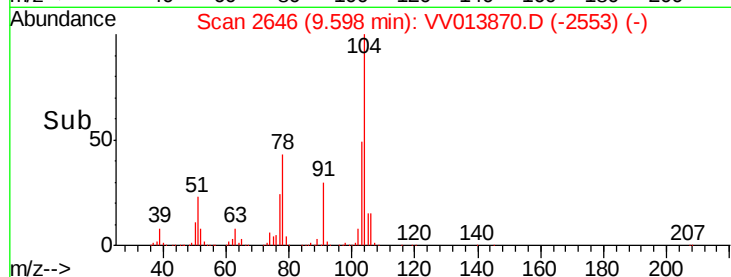
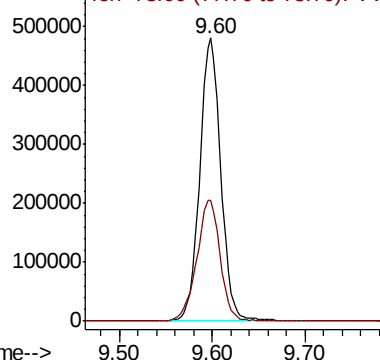
Ion Ratio Lower Upper

104 100

78 42.7 29.3 54.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0



#56

Isopropylbenzene

Concen: 47.702 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV013870.D

Acq: 02 Dec 2019 14:20

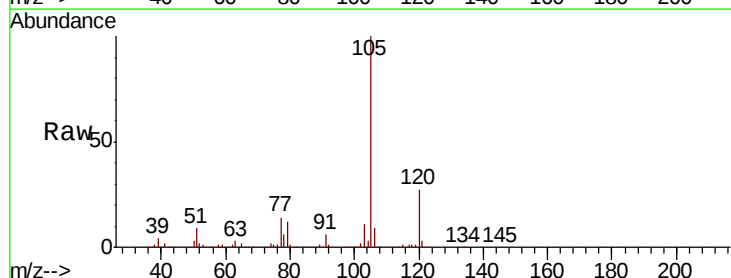
Tgt Ion:105 Resp: 1132969

Ion Ratio Lower Upper

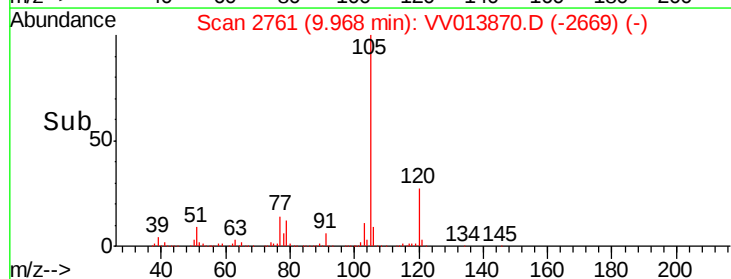
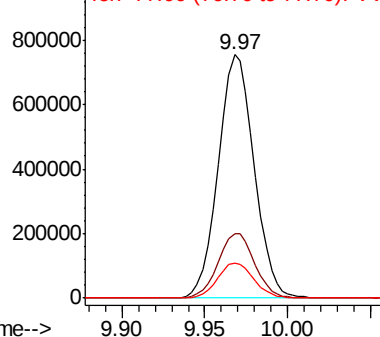
105 100

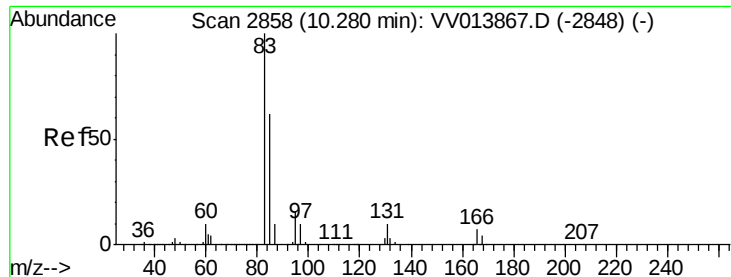
120 27.0 21.4 32.2

77 14.6 12.0 18.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 45.624 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV013870.D

Acq: 02 Dec 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

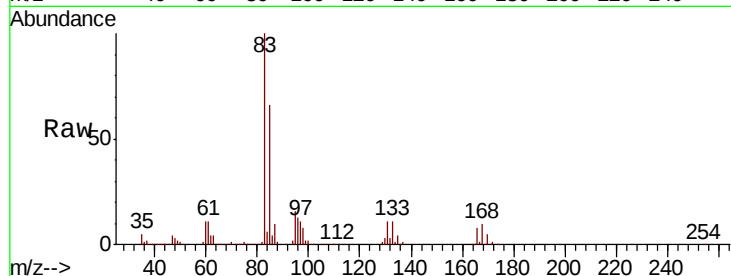
Tot Ion: 83 Resp: 366615

Ion Ratio Lower Upper

83 100

85 66.0 44.1 81.9

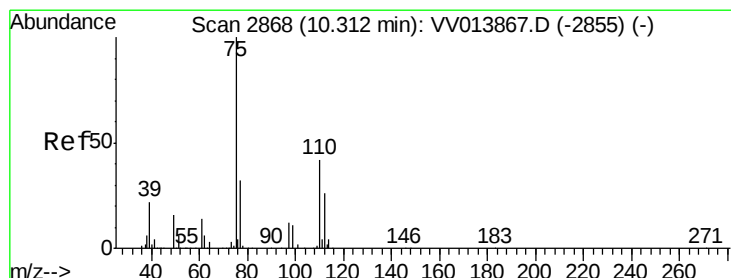
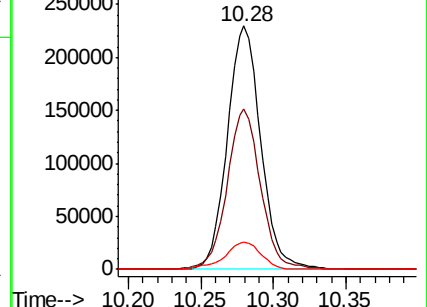
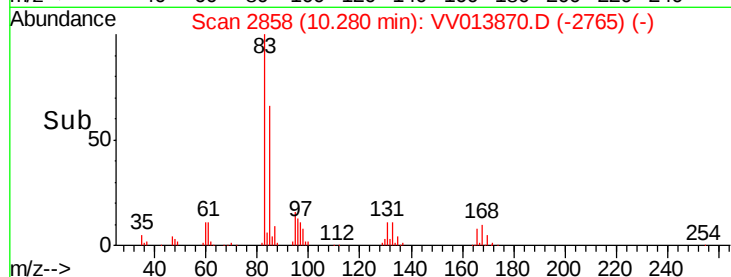
131 11.2 8.8 13.2



Abundance Ion 83.00 (82.70 to 83.70): VV013870.D (-2765) (-)

Ion 85.00 (84.70 to 85.70): VV013870.D (-2765) (-)

Ion 131.00 (130.70 to 131.70): VV013870.D (-2765) (-)



#59

1,2,3-Trichloropropane

Concen: 44.385 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV013870.D

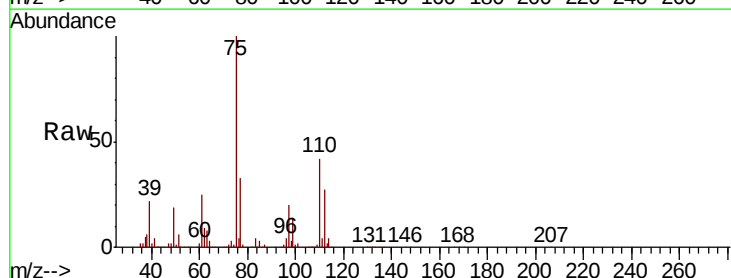
Acq: 02 Dec 2019 14:20

Tgt Ion: 75 Resp: 298683

Ion Ratio Lower Upper

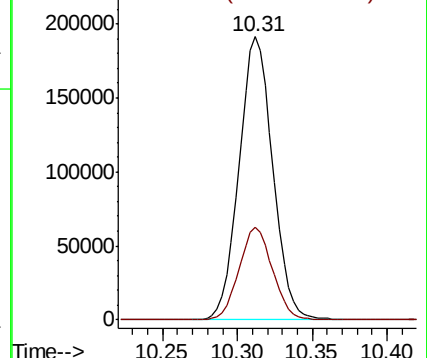
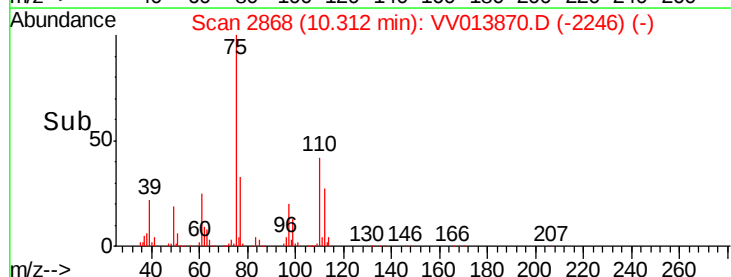
75 100

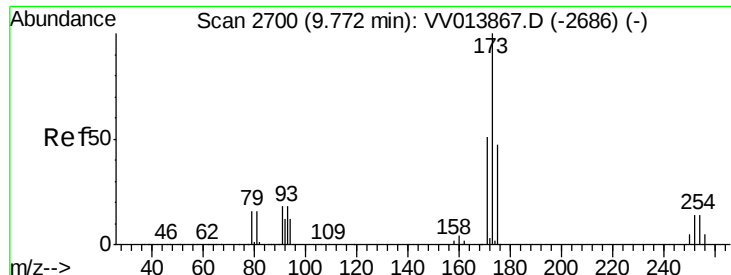
77 32.8 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV013870.D (-2246) (-)

Ion 77.00 (76.70 to 77.70): VV013870.D (-2246) (-)





#61

Bromoform

Concen: 51.087 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV013870.D

Acq: 02 Dec 2019 14:20

Instrument :
MSVOA_V
ClientSampleId :

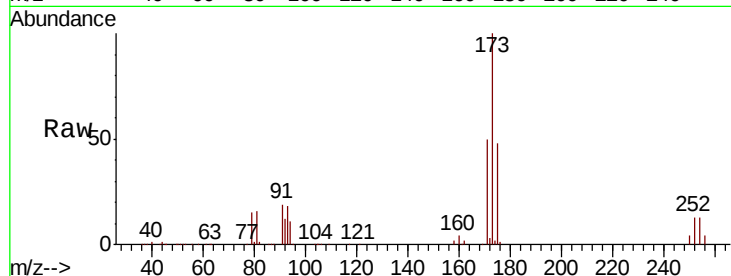
Tot Ion:173 Resp: 230658

Ion Ratio Lower Upper

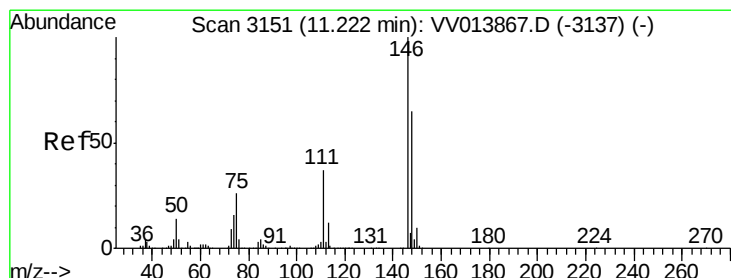
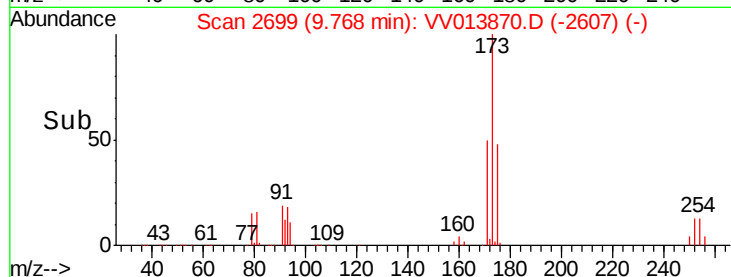
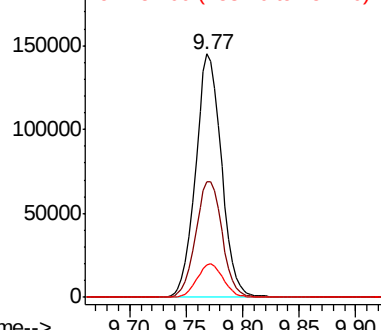
173 100

175 48.9 38.4 57.6

254 14.0 10.5 15.7



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 48.272 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. -0.00 min

Lab File: VV013870.D

Acq: 02 Dec 2019 14:20

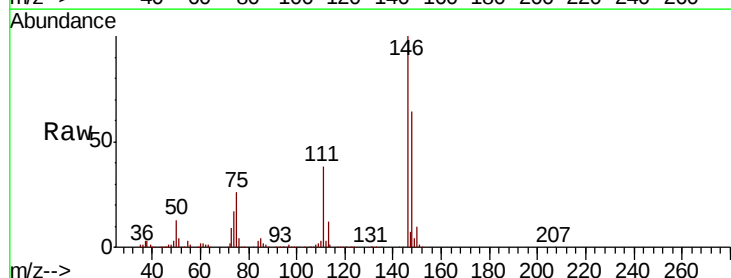
Tgt Ion:146 Resp: 584619

Ion Ratio Lower Upper

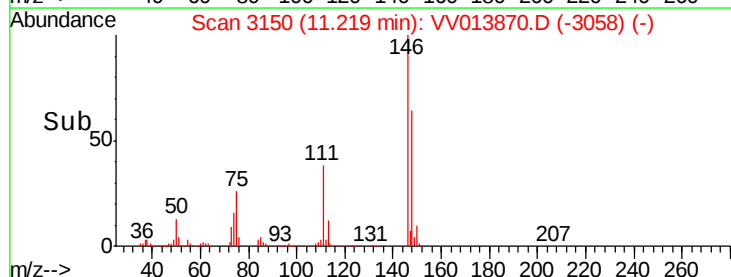
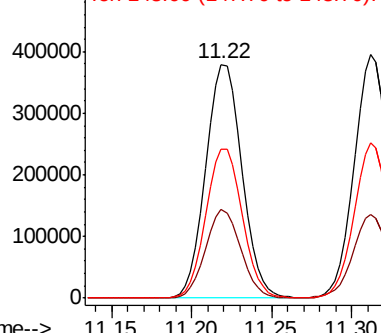
146 100

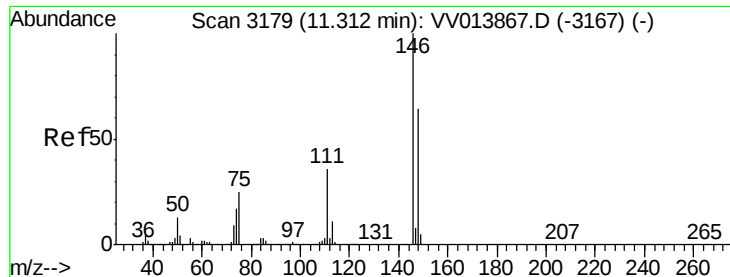
111 37.7 25.8 48.0

148 63.9 45.2 84.0



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

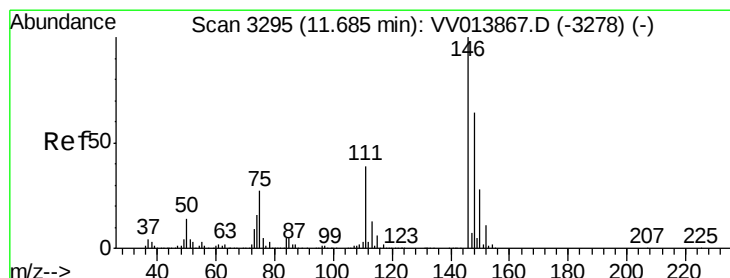
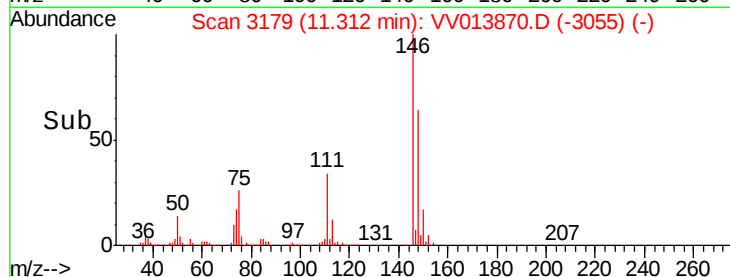
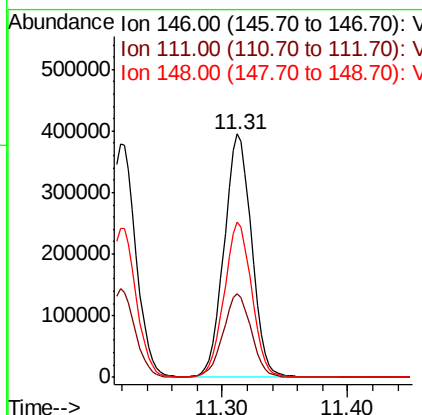
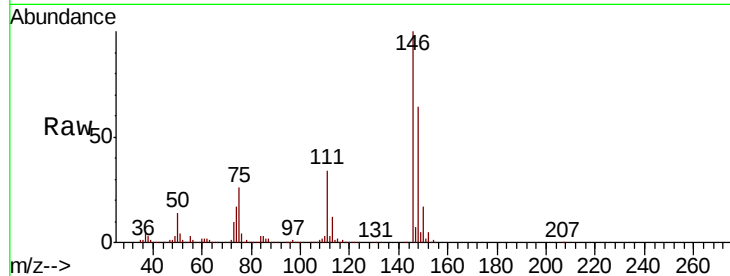




#63
 1,4-Dichlorobenzene
 Concen: 47.764 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV013870.D
 Acq: 02 Dec 2019 14:20

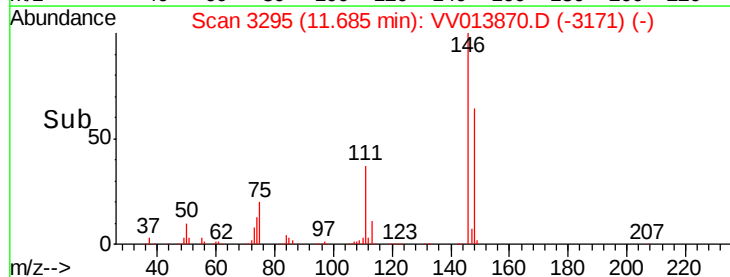
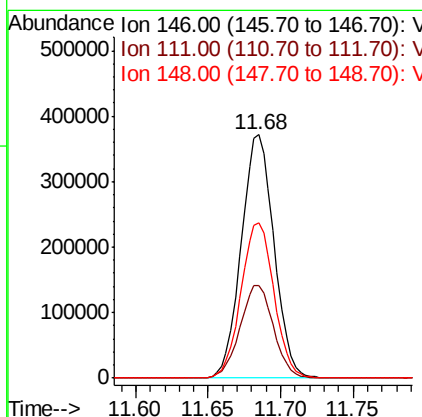
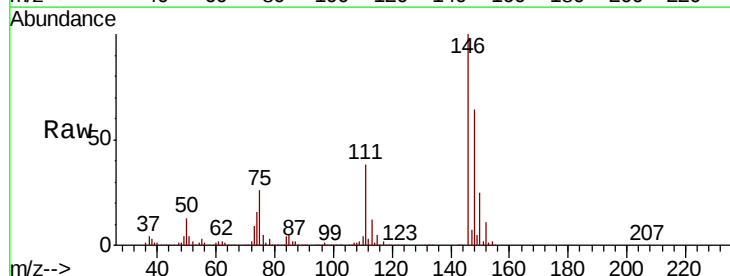
Instrument :
 MSVOA_V
 ClientSampleId :

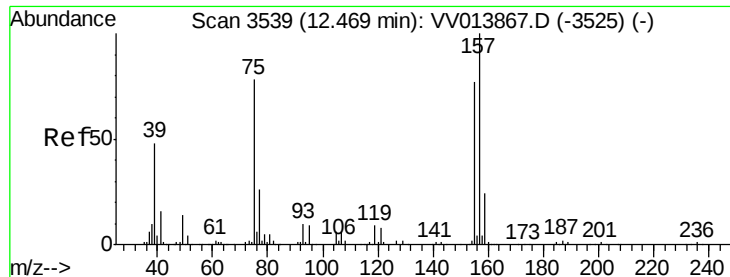
Tot Ion	Ratio	Lower	Upper
146	100		
111	34.2	25.4	47.2
148	63.9	44.9	83.5



#65
 1,2-Dichlorobenzene
 Concen: 48.186 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013870.D
 Acq: 02 Dec 2019 14:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	31.4	47.0
148	64.0	51.5	77.3





#66

1,2-Dibromo-3-chloropropane

Concen: 47.361 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VV013870.D

Acq: 02 Dec 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

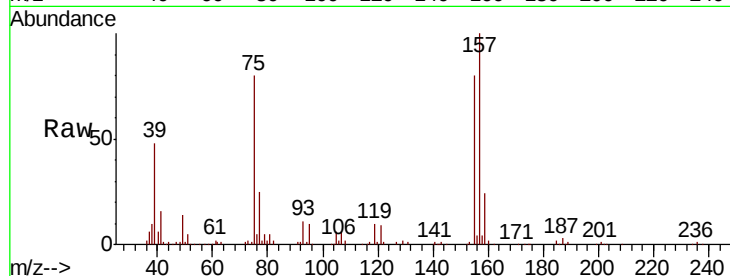
Tot Ion: 75 Resp: 79738

Ion Ratio Lower Upper

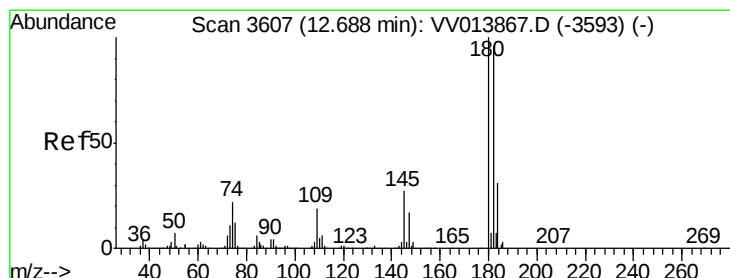
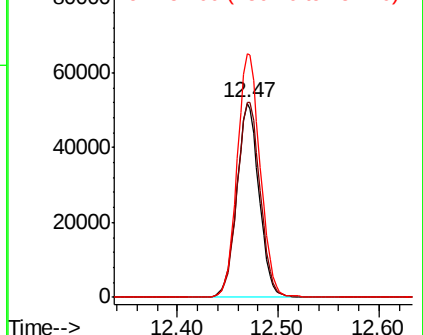
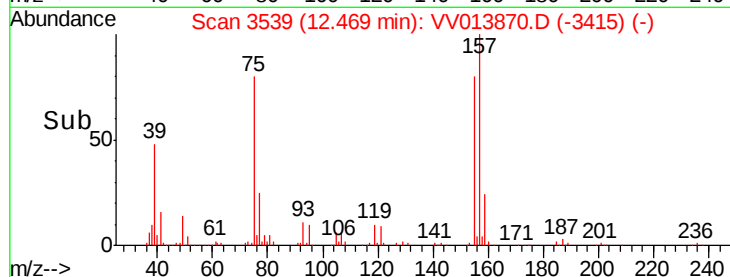
75 100

155 100.7 78.6 117.8

157 125.7 102.6 153.8



Abundance Ion 75.00 (74.70 to 75.70): VV013870.D (-3415) (-)



#67

1,3,5-Trichlorobenzene

Concen: 48.683 ug/L

RT: 12.69 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VV013870.D

Acq: 02 Dec 2019 14:20

Tgt Ion:180 Resp: 478793

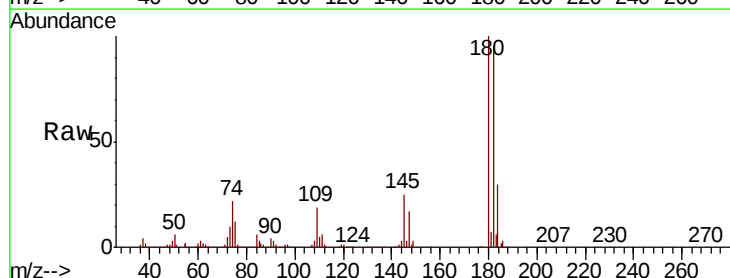
Ion Ratio Lower Upper

180 100

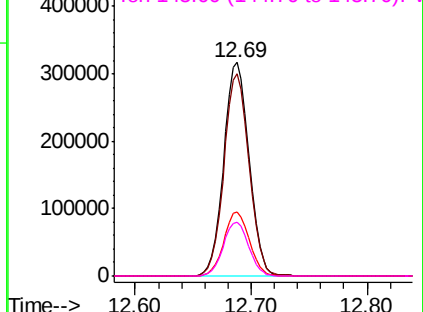
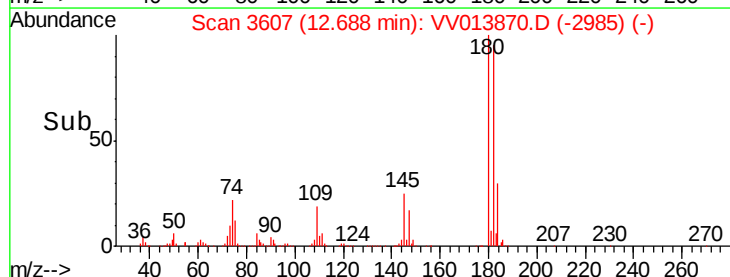
182 94.4 76.2 114.4

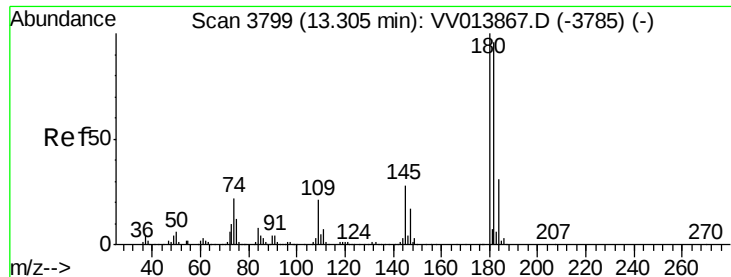
184 30.1 24.2 36.4

145 25.6 21.1 31.7



Abundance Ion 180.00 (179.70 to 180.70): VV013870.D (-2985) (-)

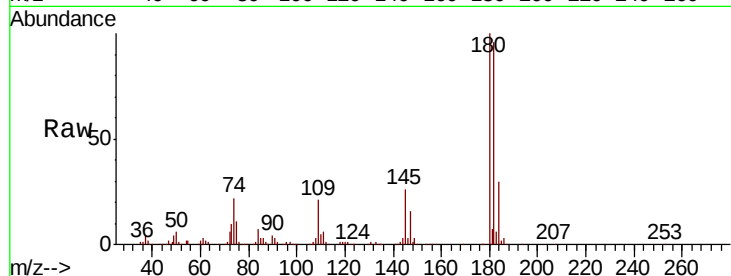




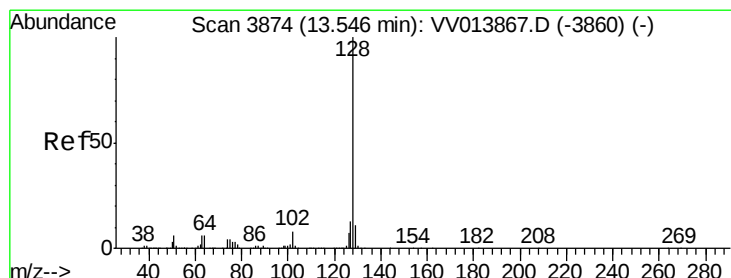
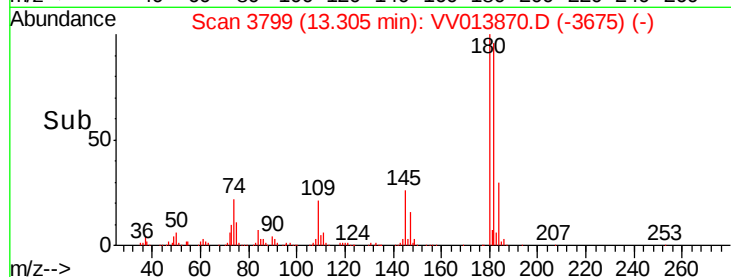
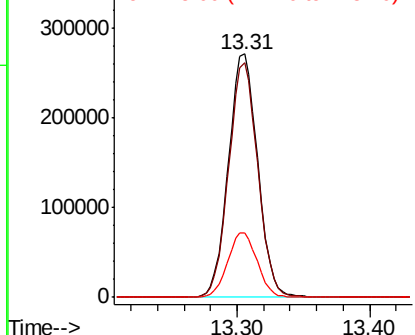
#68
 1,2,4-trichlorobenzene
 Concen: 46.859 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013870.D
 Acq: 02 Dec 2019 14:20

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.2	114.4
145	26.8	21.9	32.9

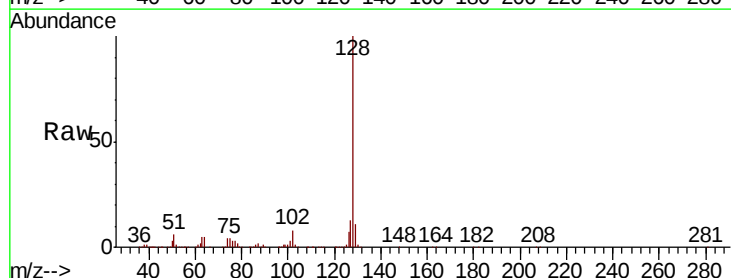


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

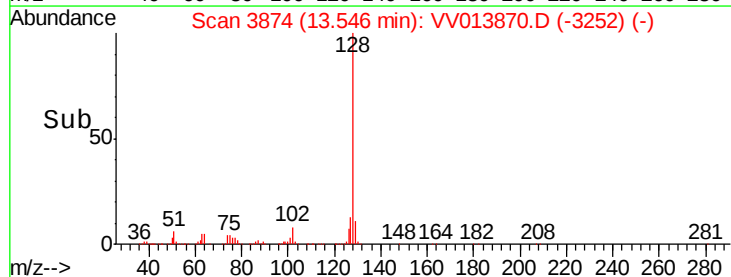
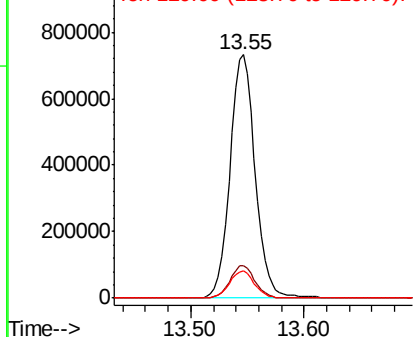


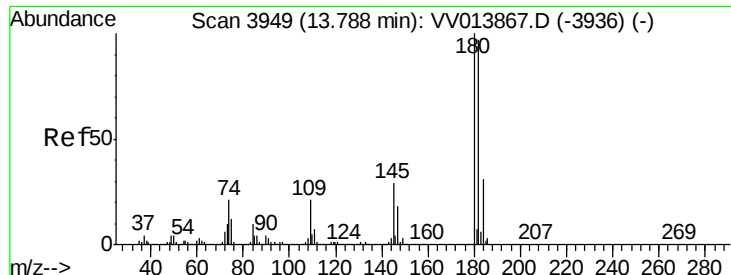
#69
 Naphthalene
 Concen: 48.527 ug/L
 RT: 13.55 min Scan# 3874
 Delta R.T. 0.00 min
 Lab File: VV013870.D
 Acq: 02 Dec 2019 14:20

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	11.1	8.6	12.8



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

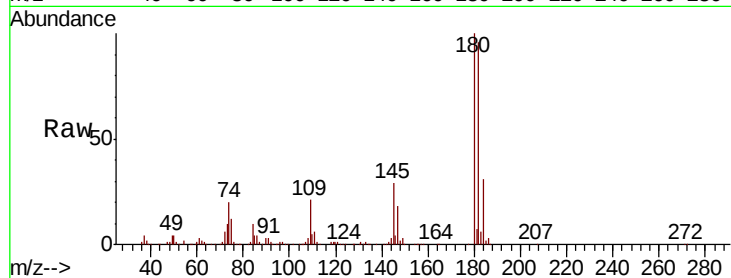




#70
 1,2,3-Trichlorobenzene
 Concen: 46.776 ug/L
 RT: 13.79 min Scan# 3949
 Delta R.T. 0.00 min
 Lab File: VV013870.D
 Acq: 02 Dec 2019 14:20

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	77.0	115.4
145	28.5	22.6	34.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

