

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102219\
 Data File : VV013272.D
 Acq On : 22 Oct 2019 11:46
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.00ML/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 23 01:18:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 22 03:42:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	545429	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	571351	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	358090	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	196936	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	1.58	69	162239	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.13	63	336663	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.20%
20) 2-Butanone-d5	3.95	46	348884	45.18	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.36%
24) Chloroform-d	4.40	84	426659	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
26) 1,2-Dichloroethane-d4	5.08	65	192440	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
32) Benzene-d6	5.09	84	845340	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
36) 1,2-Dichloropropane-d6	6.11	67	250758	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.20%
41) Toluene-d8	7.35	98	793769	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	7.66	79	89017	4.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.40%
46) 2-Hexanone-d5	8.13	63	265309	35.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	70.68%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	182418	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	300651	4.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	276934	4.593	ug/L 99
3) Chloromethane	1.25	50	230224	4.400	ug/L 99
5) Vinyl chloride	1.32	62	235608	4.476	ug/L 98
6) Bromomethane	1.53	94	146678	4.947	ug/L 99
8) Chloroethane	1.60	64	137853	4.395	ug/L 99
9) Trichlorofluoromethane	1.77	101	342630	4.498	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	207521	4.611	ug/L 99
12) 1,1-Dichloroethene	2.14	96	191861	4.474	ug/L 98
13) Acetone	2.21	43	121269	30.372	ug/L # 52
14) Carbon disulfide	2.31	76	546125	4.436	ug/L 100
15) Methyl Acetate	2.47	43	57236	4.239	ug/L 99
16) Methylene chloride	2.53	84	251468	3.902	ug/L 93
17) Methyl tert-butyl Ether	2.80	73	479002	4.823	ug/L 96
18) trans-1,2-Dichloroethene	2.79	96	255618	5.056	ug/L 92
19) 1,1-Dichloroethane	3.23	63	447032	5.440	ug/L 98
21) 2-Butanone	4.03	43	395727	44.274	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	260336	4.811	ug/L # 88

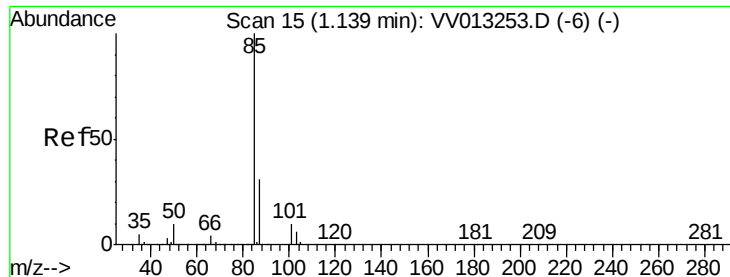
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102219\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 22 03:42:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	113553	4.422	ug/L	95
25) Chloroform	4.42	83	459612	4.291	ug/L	100
27) 1,2-Dichloroethane	5.17	62	248631	4.346	ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	388287	4.598	ug/L	100
30) Cyclohexane	4.72	56	402073	4.587	ug/L	99
31) Carbon tetrachloride	4.87	117	347945	4.592	ug/L	99
33) Benzene	5.14	78	1021659	4.683	ug/L	100
34) Trichloroethene	5.95	95	272393	4.653	ug/L	97
35) Methylcyclohexane	6.17	83	422232	4.688	ug/L	100
37) 1,2-Dichloropropane	6.22	63	241606	4.559	ug/L	98
38) Bromodichloromethane	6.55	83	305369	4.452	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	329202	4.410	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	1130360	41.725	ug/L	98
42) Toluene	7.43	91	1093699	4.774	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	245934	4.349	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	164202	4.439	ug/L	99
47) Tetrachloroethene	8.01	164	246451	4.636	ug/L	99
48) 2-Hexanone	8.18	43	803060	41.525	ug/L	100
49) Dibromochloromethane	8.29	129	207496	4.453	ug/L	99
50) 1,2-Dibromoethane	8.39	107	151357	4.294	ug/L	100
51) Chlorobenzene	8.92	112	700793	4.673	ug/L	99
52) Ethylbenzene	9.05	91	1160120	4.857	ug/L	100
53) m,p-xylene	9.18	106	459216	5.023	ug/L	99
54) o-xylene	9.58	106	433628	4.996	ug/L	100
55) Styrene	9.60	104	740967	5.023	ug/L	99
56) Isopropylbenzene	9.97	105	1158009	5.058	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	183976	4.326	ug/L	97
59) 1,2,3-Trichloropropane	10.31	75	139749	4.421	ug/L	98
61) Bromoform	9.77	173	122533	4.489	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	595835	4.725	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	587390	4.600	ug/L	96
65) 1,2-Dichlorobenzene	11.68	146	530069	4.564	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	27268	4.135	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	434813	4.664	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	369113	4.525	ug/L	99
69) Naphthalene	13.55	128	492860	4.380	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	350871	4.632	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.593 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013272.D

Acq: 22 Oct 2019 11:46

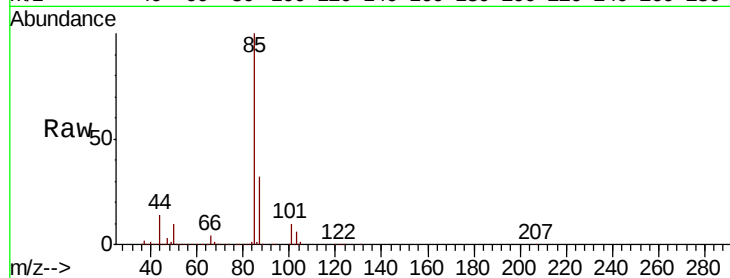
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 276934

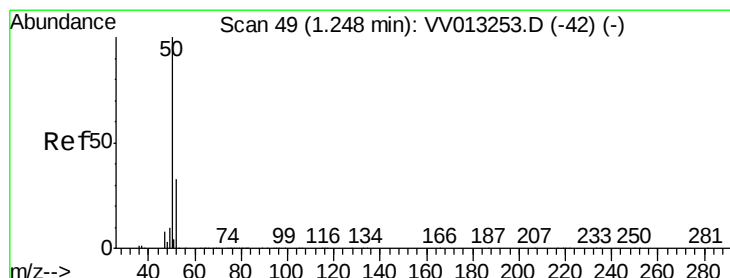
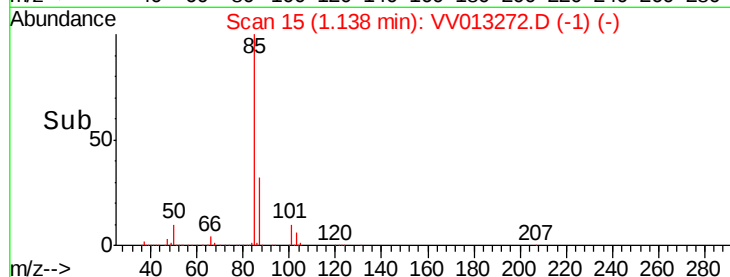
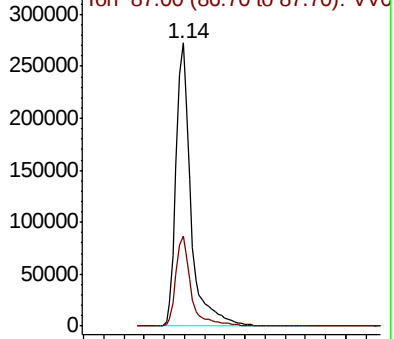
Ion Ratio Lower Upper

85 100

87 32.4 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV013272.D (-1) (-)



#3

Chloromethane

Concen: 4.400 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013272.D

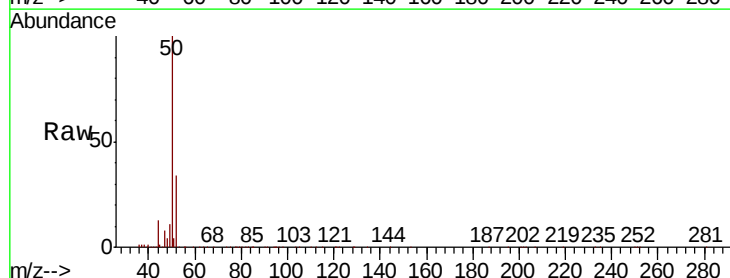
Acq: 22 Oct 2019 11:46

Tgt Ion: 50 Resp: 230224

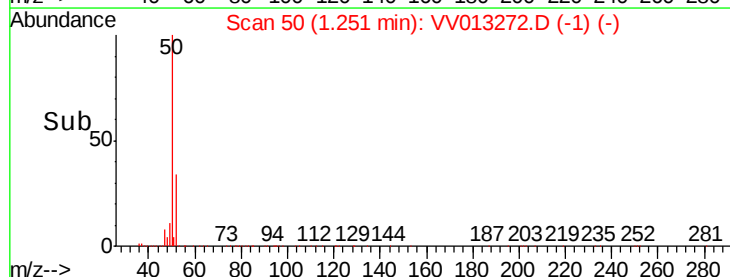
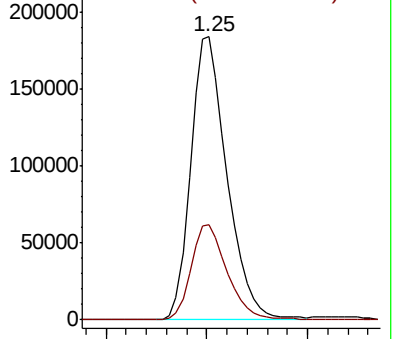
Ion Ratio Lower Upper

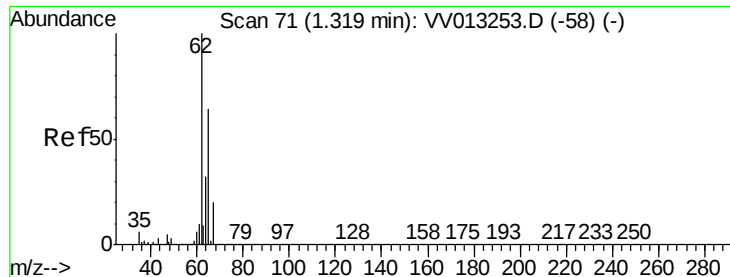
50 100

52 33.7 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VV013272.D (-1) (-)





#5

Vinyl chloride

Concen: 4.476 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013272.D

Acq: 22 Oct 2019 11:46

Instrument :

MSVOA_V

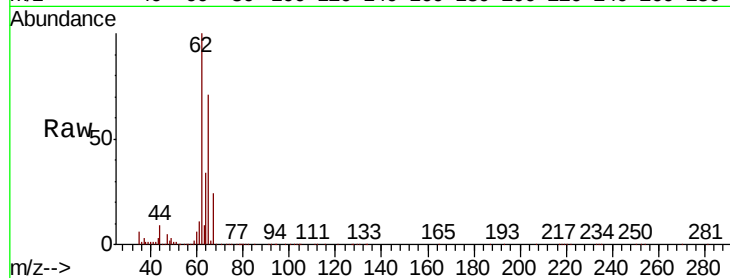
ClientSampleId :

Tot Ion: 62 Resp: 235608

Ion Ratio Lower Upper

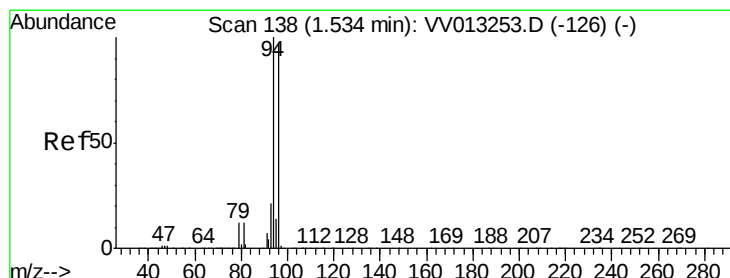
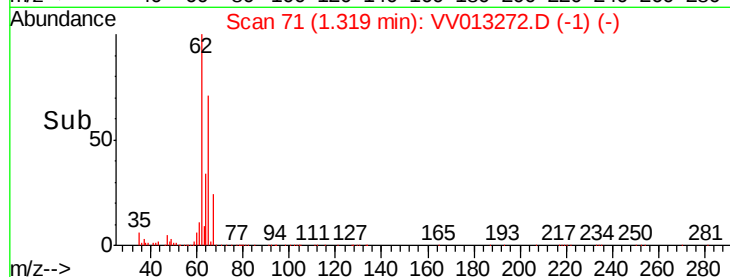
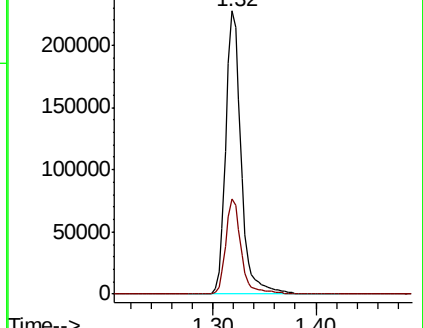
62 100

64 33.6 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV013253.D (-58) (-)

Ion 64.10 (63.80 to 64.80): VV013272.D (-1) (-)



#6

Bromomethane

Concen: 4.947 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV013272.D

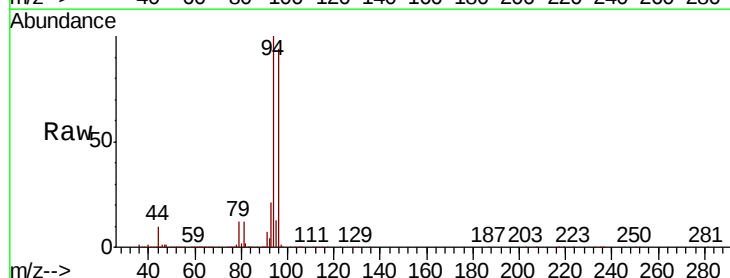
Acq: 22 Oct 2019 11:46

Tgt Ion: 94 Resp: 146678

Ion Ratio Lower Upper

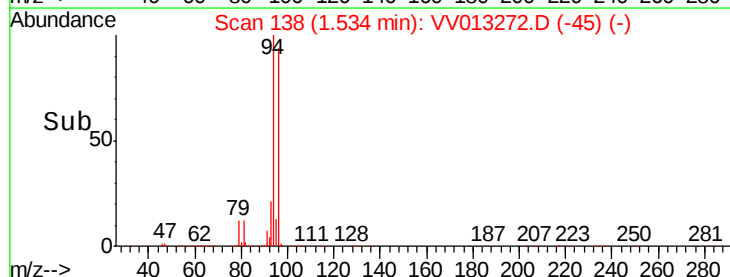
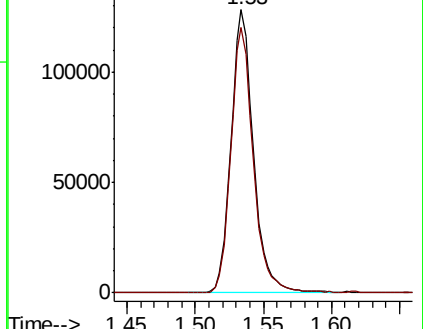
94 100

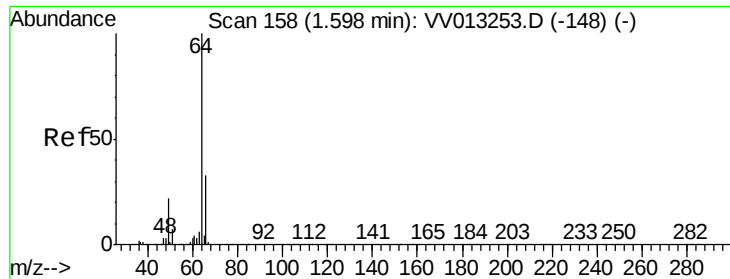
96 93.8 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV013253.D (-126) (-)

Ion 96.00 (95.70 to 96.70): VV013272.D (-45) (-)





#8

Chloroethane

Concen: 4.395 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV013272.D

Acq: 22 Oct 2019 11:46

Instrument :

MSVOA_V

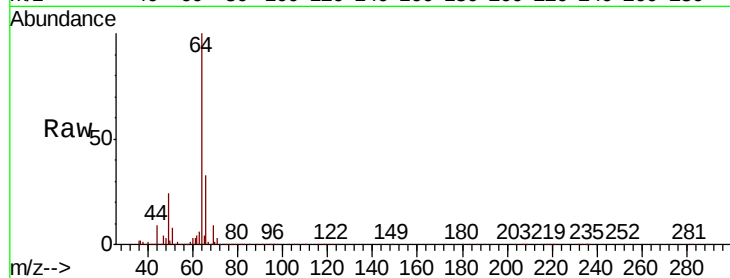
ClientSampleId :

Tot Ion: 64 Resp: 137853

Ion Ratio Lower Upper

64 100

66 33.2 22.7 42.3



Abundance Ion 64.10 (63.80 to 64.80): VV013253.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV013272.D (-65) (-)

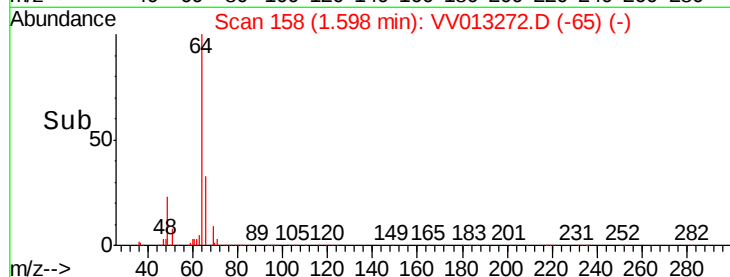
1.60

100000

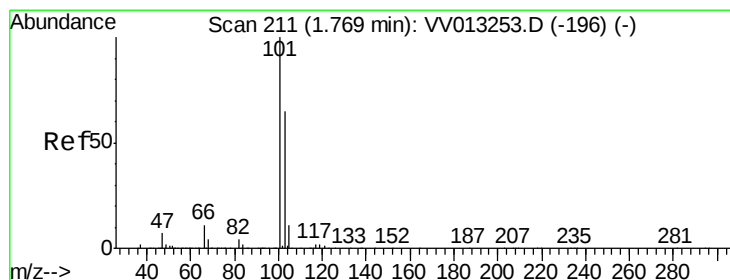
50000

0

Time-->



Time-->



#9

Trichlorofluoromethane

Concen: 4.498 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV013272.D

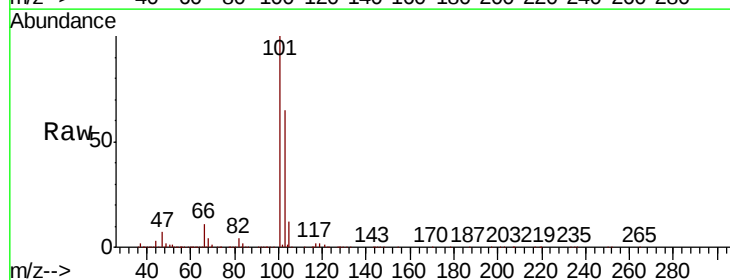
Acq: 22 Oct 2019 11:46

Tgt Ion: 101 Resp: 342630

Ion Ratio Lower Upper

101 100

103 65.1 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): VV013253.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV013272.D (-118) (-)

1.77

300000

250000

200000

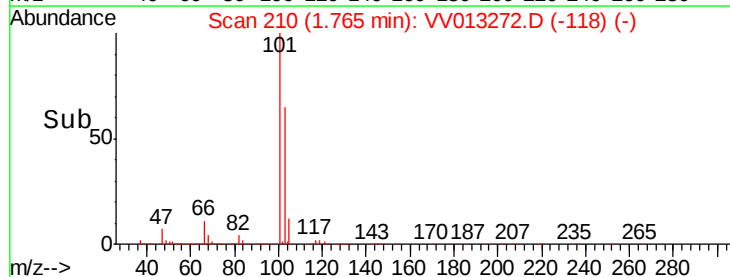
150000

100000

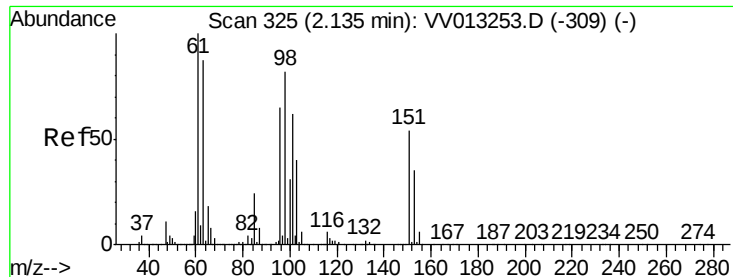
50000

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Time-->



Time-->



#10

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

Concen: 4.611 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013272.D

Acq: 22 Oct 2019 11:46

Instrument :

MSVOA_V

ClientSampleId :

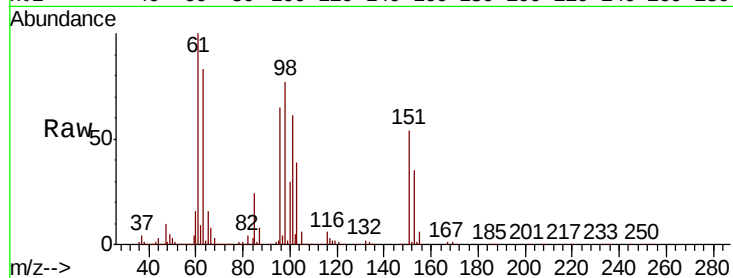
Tot Ion:101 Resp: 207521

Ion Ratio Lower Upper

101 100

85 40.0 31.8 47.8

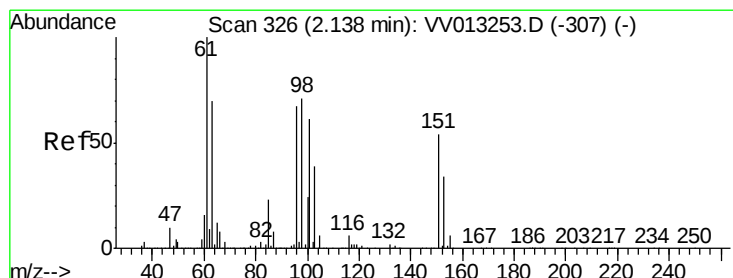
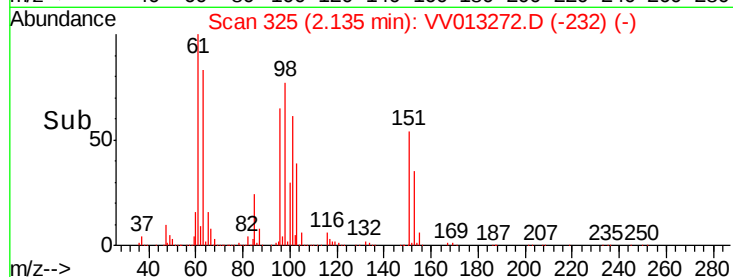
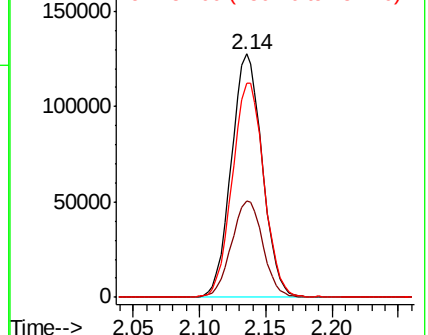
151 89.9 72.9 109.3



Abundance Ion 101.00 (100.70 to 101.70): VV013272.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV013272.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV013272.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 4.474 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013272.D

Acq: 22 Oct 2019 11:46

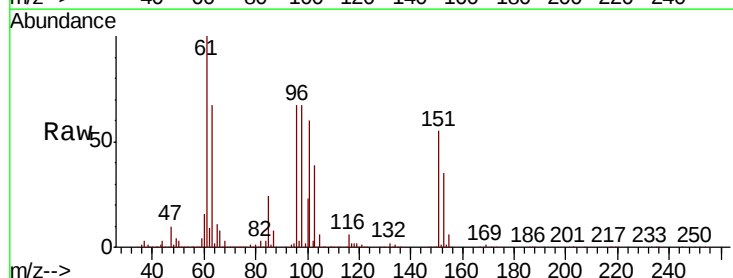
Tgt Ion: 96 Resp: 191861

Ion Ratio Lower Upper

96 100

61 149.6 104.0 193.1

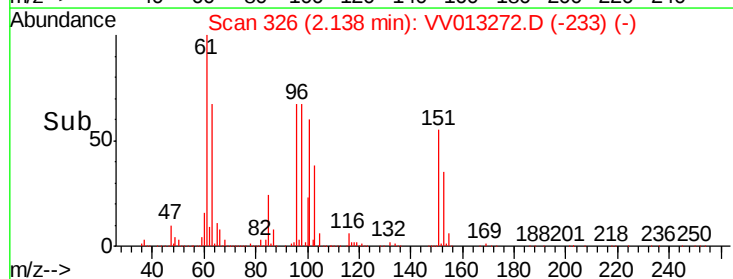
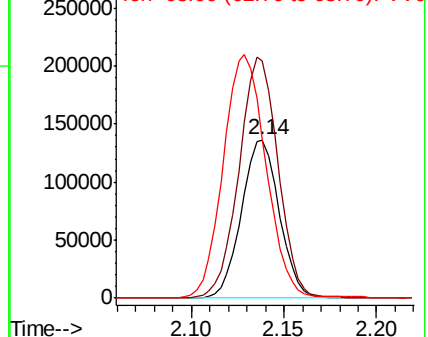
63 100.3 67.1 124.5

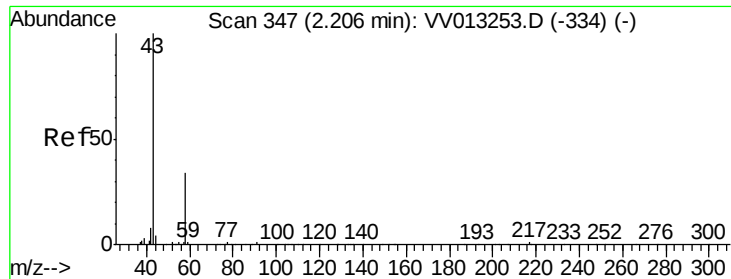


Abundance Ion 96.00 (95.70 to 96.70): VV013272.D (-233) (-)

Ion 61.05 (60.75 to 61.75): VV013272.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV013272.D (-233) (-)

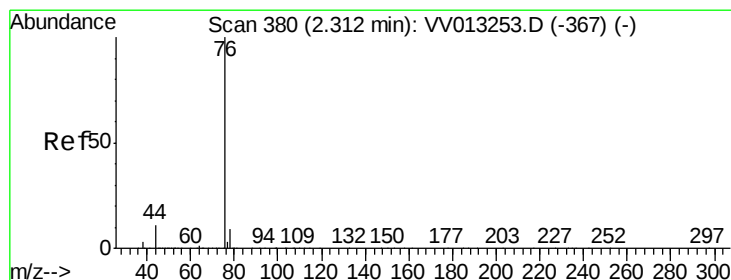
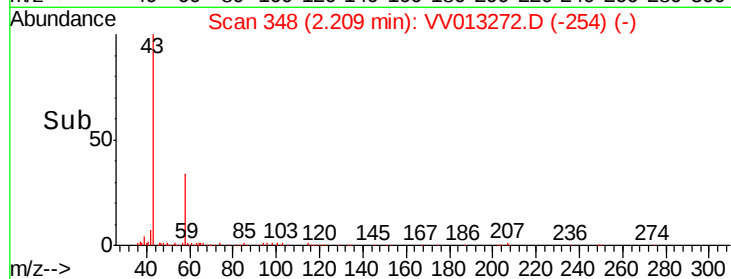
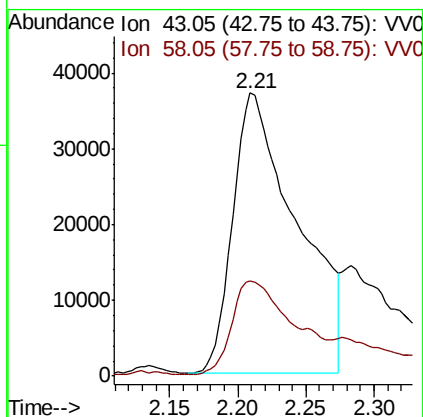
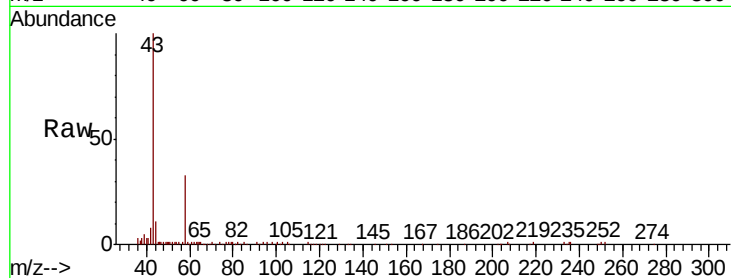




#13
Acetone
Concen: 30.372 ug/L
RT: 2.21 min Scan# 348
Delta R.T. 0.00 min
Lab File: VV013272.D
Acq: 22 Oct 2019 11:46

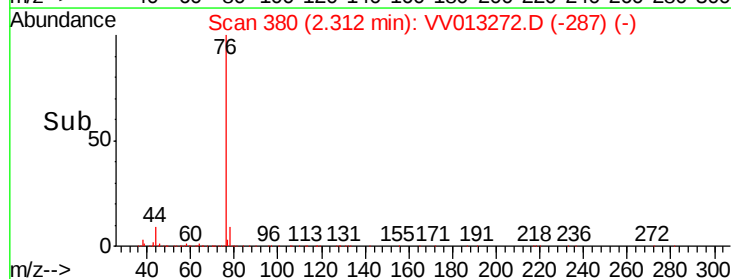
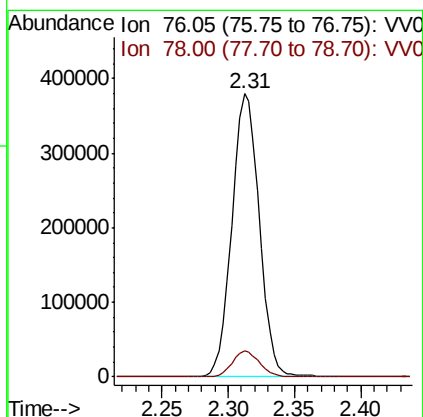
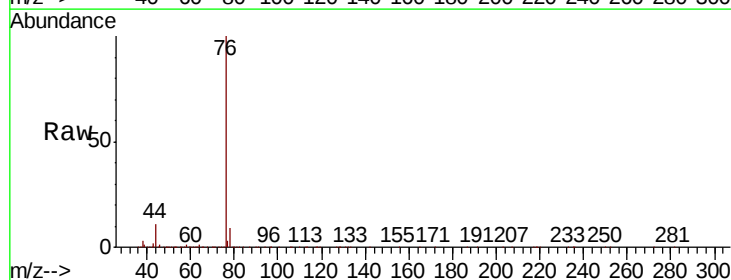
Instrument :
MSVOA_V
ClientSampleId :

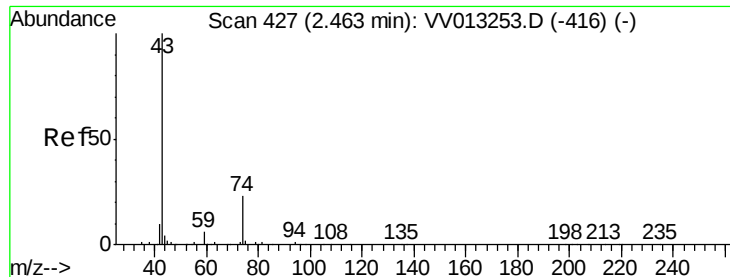
Tot Ion: 43 Resp: 121269
Ion Ratio Lower Upper
43 100
58 32.4 0.0 26.2#



#14
Carbon disulfide
Concen: 4.436 ug/L
RT: 2.31 min Scan# 380
Delta R.T. -0.00 min
Lab File: VV013272.D
Acq: 22 Oct 2019 11:46

Tgt Ion: 76 Resp: 546125
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9





#15

Methyl Acetate

Concen: 4.239 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VV013272.D

Acq: 22 Oct 2019 11:46

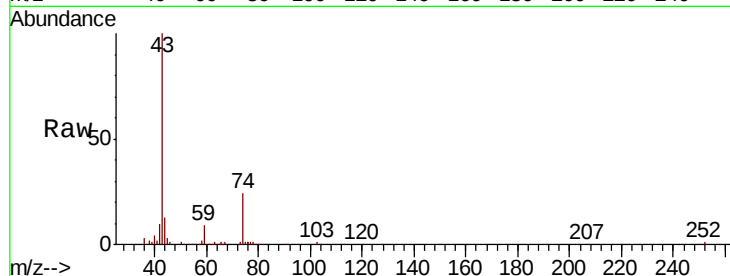
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 57236

Ion Ratio Lower Upper

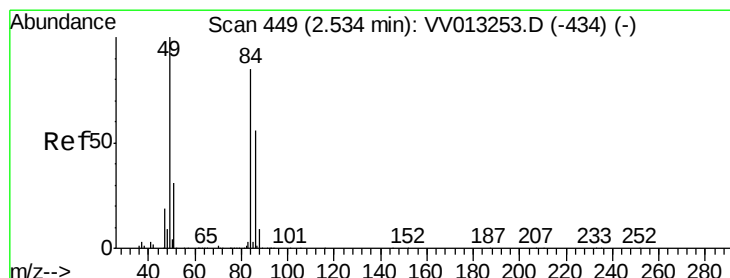
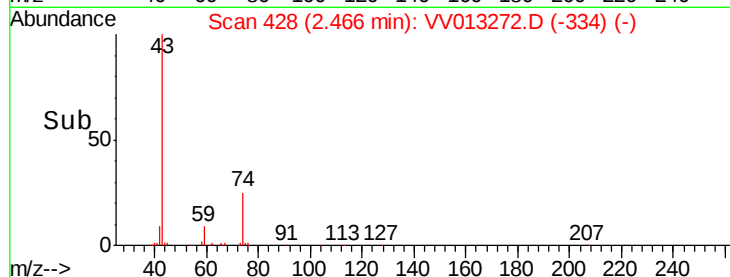
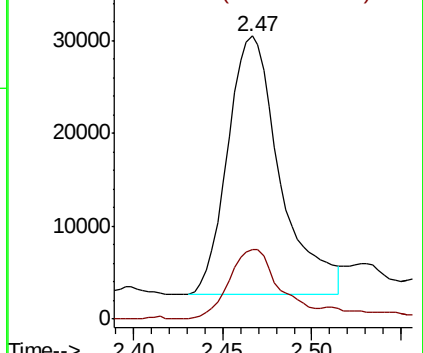
43 100

74 26.1 20.4 30.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 3.902 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV013272.D

Acq: 22 Oct 2019 11:46

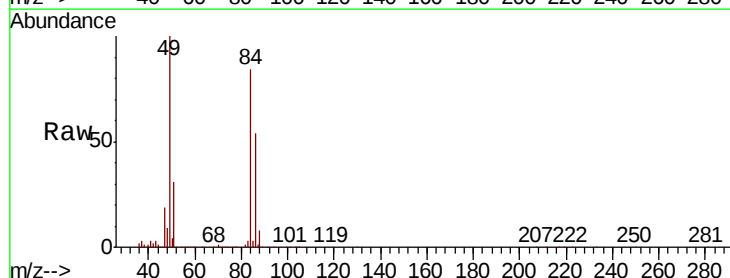
Tgt Ion: 84 Resp: 251468

Ion Ratio Lower Upper

84 100

86 64.9 46.2 85.8

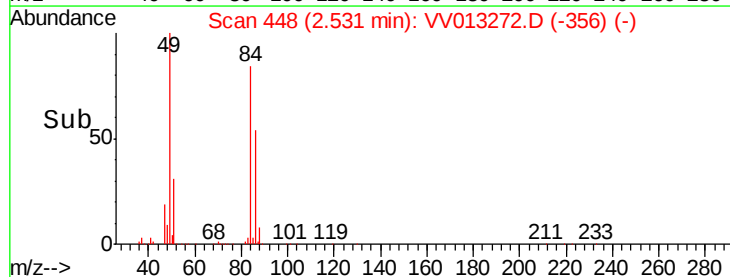
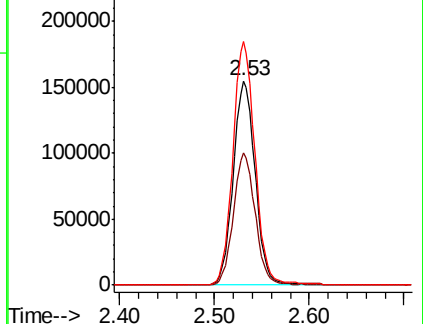
49 119.4 76.4 141.8

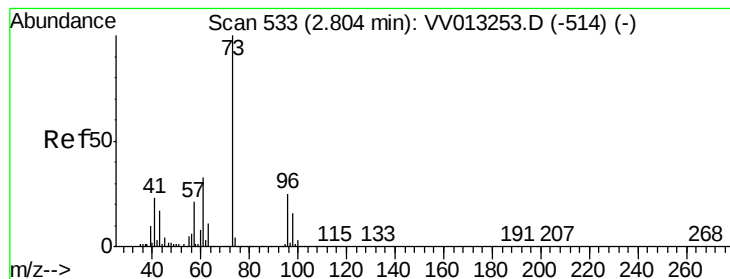


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



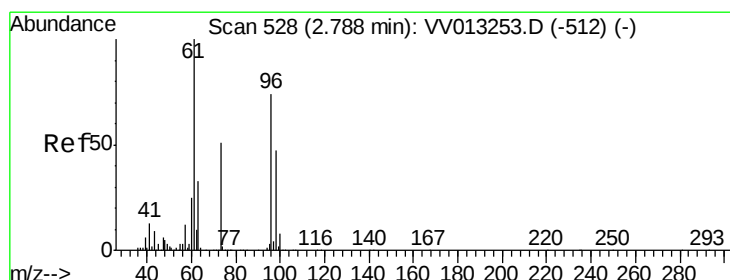
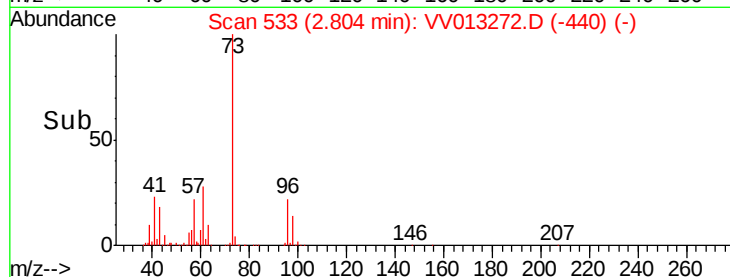
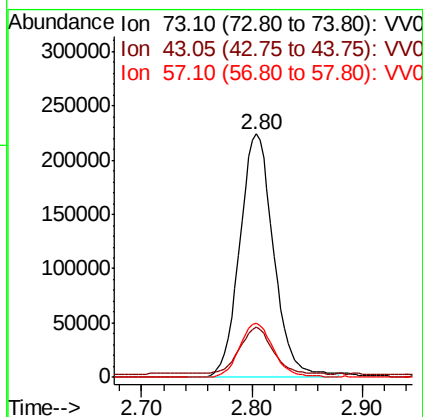
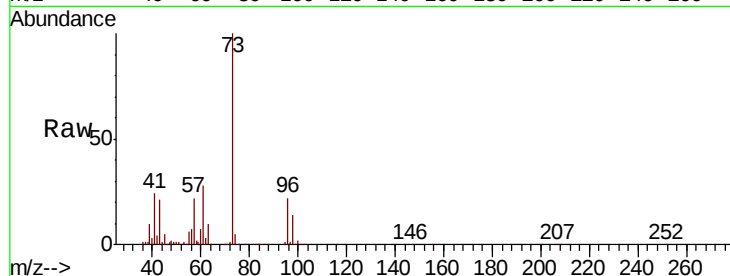


#17

Methvl tert-butvl Ether
Concen: 4.823 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV013272.D
Acq: 22 Oct 2019 11:46

Instrument :
MSVOA_V
ClientSampleId :

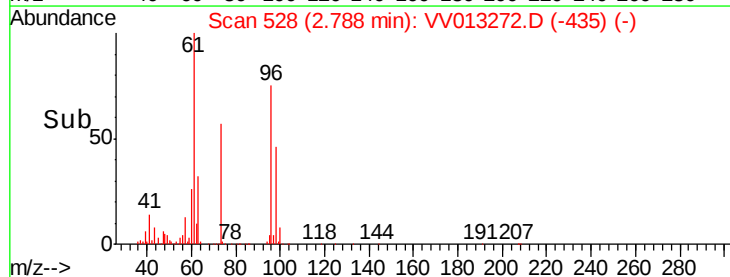
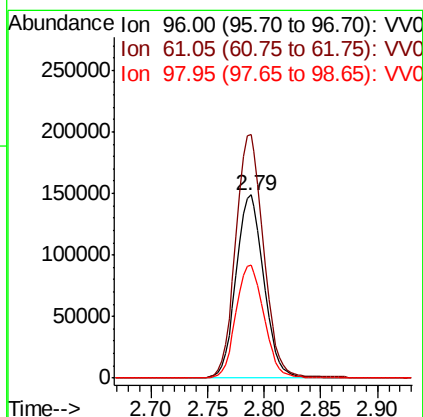
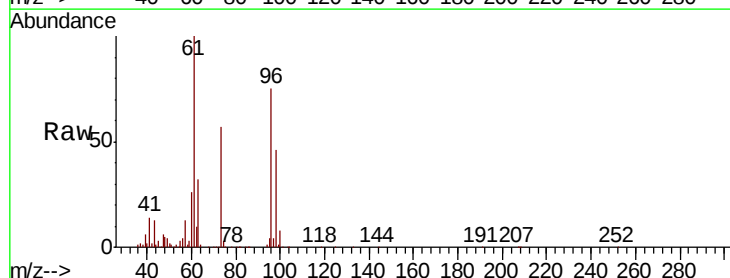
Tot Ion	Ratio	Lower	Upper
73	100		
43	18.2	13.1	19.7
57	22.3	16.4	24.6

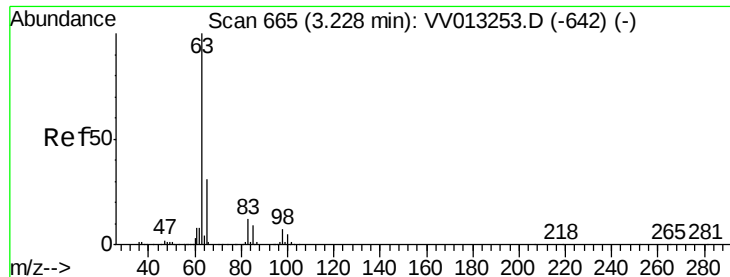


#18

trans-1,2-Dichloroethene
Concen: 5.056 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV013272.D
Acq: 22 Oct 2019 11:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.1	84.4	156.8
98	61.8	44.4	82.4

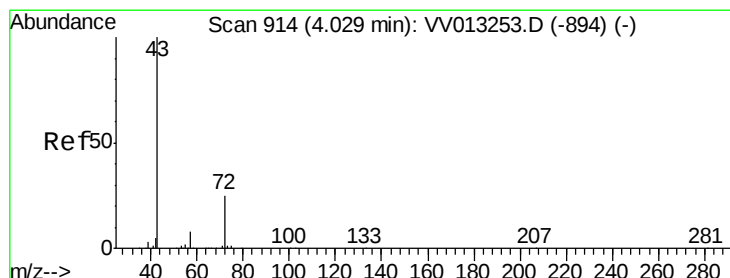
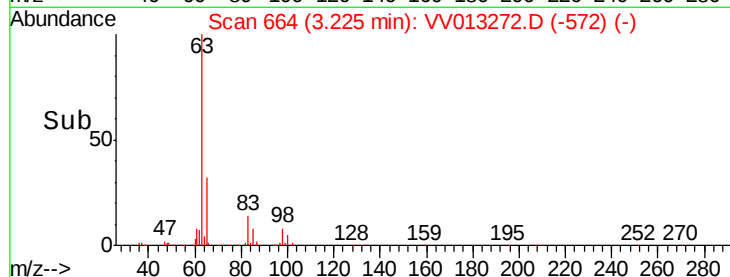
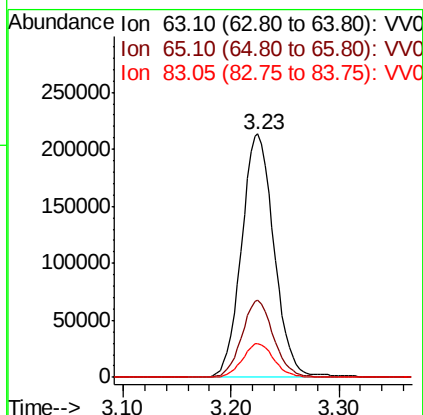
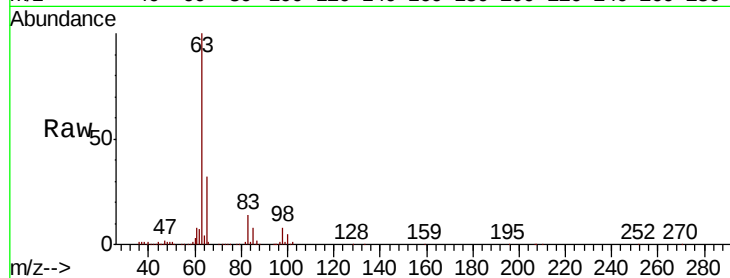




#19
 1,1-Dichloroethane
 Concen: 5.440 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV013272.D
 Acq: 22 Oct 2019 11:46

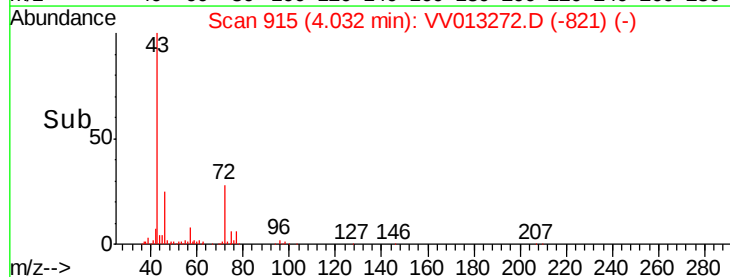
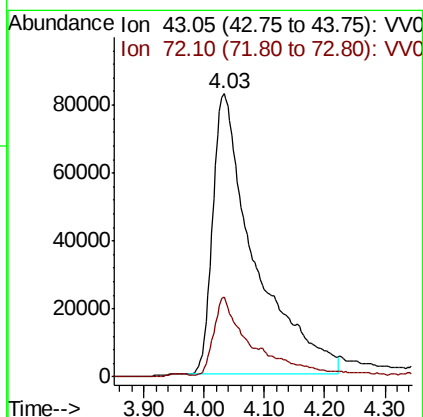
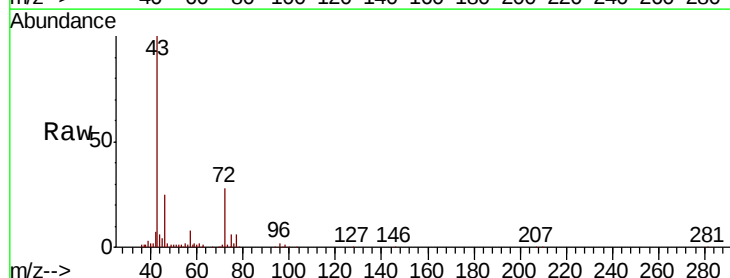
Instrument :
 MSVOA_V
 ClientSampled :

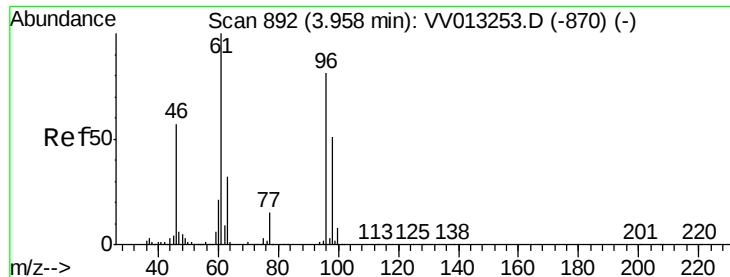
Tot Ion: 63 Resp: 447032
 Ion Ratio Lower Upper
 63 100
 65 31.6 23.0 42.8
 83 14.1 10.2 19.0



#21
 2-Butanone
 Concen: 44.274 ug/L
 RT: 4.03 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VV013272.D
 Acq: 22 Oct 2019 11:46

Tgt Ion: 43 Resp: 395727
 Ion Ratio Lower Upper
 43 100
 72 24.8 13.1 39.3



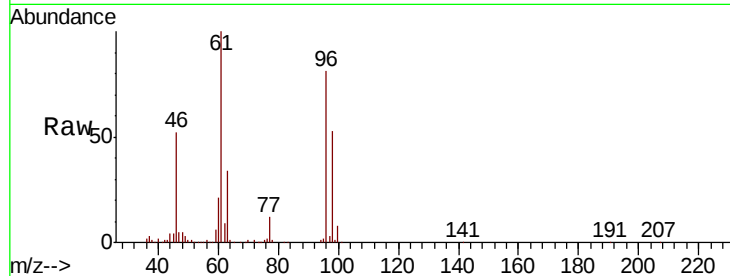


#22

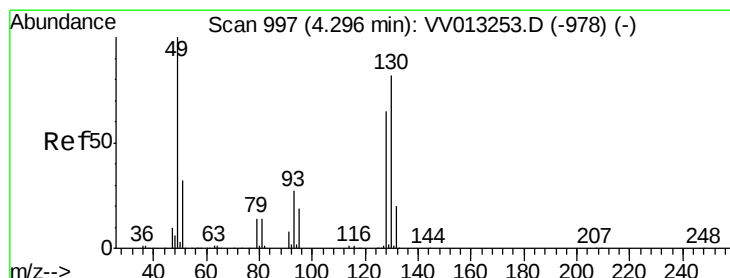
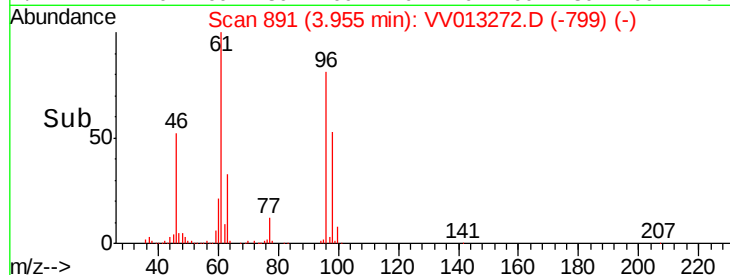
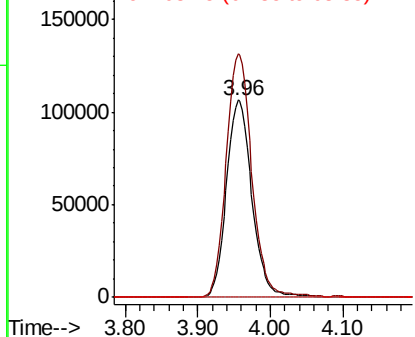
cis-1,2-Dichloroethene
 Concen: 4.811 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV013272.D
 Acq: 22 Oct 2019 11:46

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.3	77.3	143.7
68	0.0	0.1	0.1#



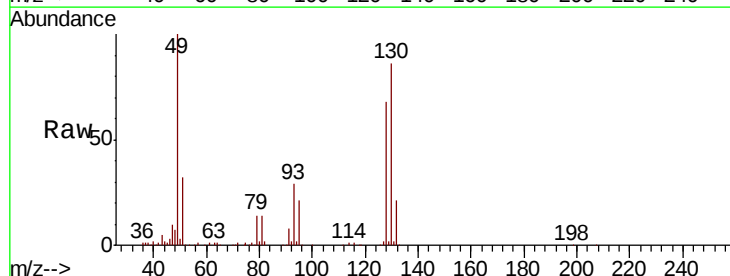
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



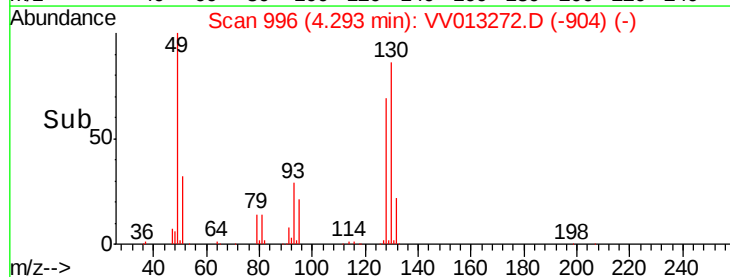
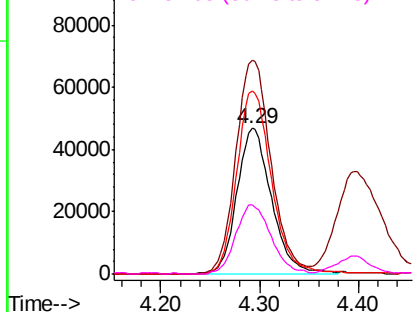
#23

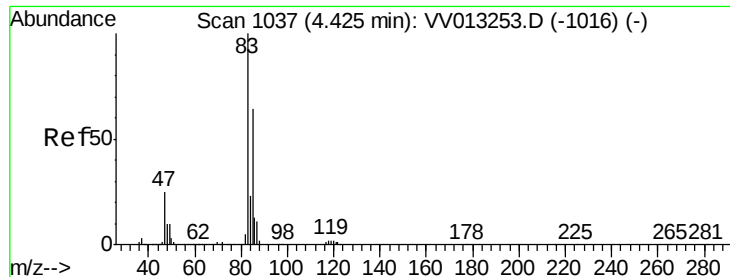
Bromochloromethane
 Concen: 4.422 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VV013272.D
 Acq: 22 Oct 2019 11:46

Tgt Ion	Ratio	Lower	Upper
128	100		
49	146.4	109.9	204.1
130	125.4	88.7	164.7
51	47.4	39.3	58.9



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

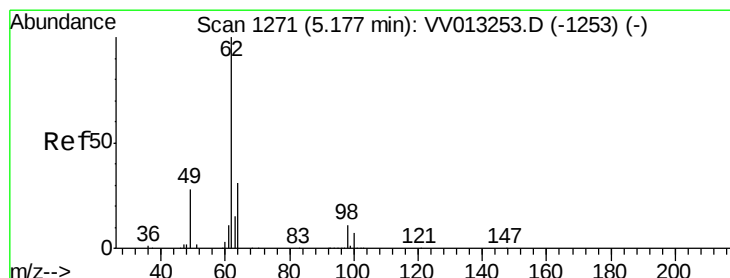
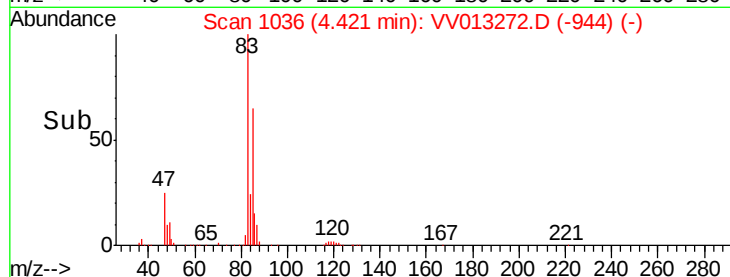
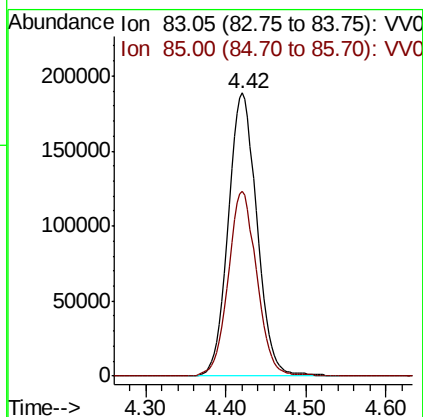
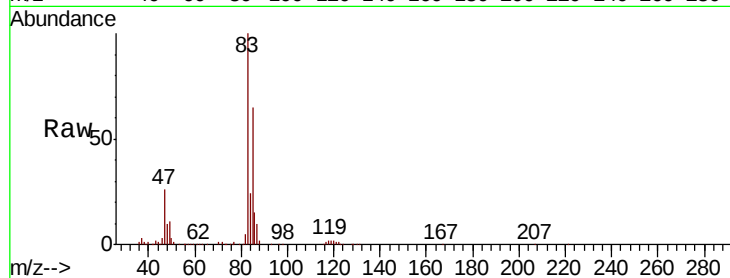




#25
Chloroform
Concen: 4.291 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV013272.D
Acq: 22 Oct 2019 11:46

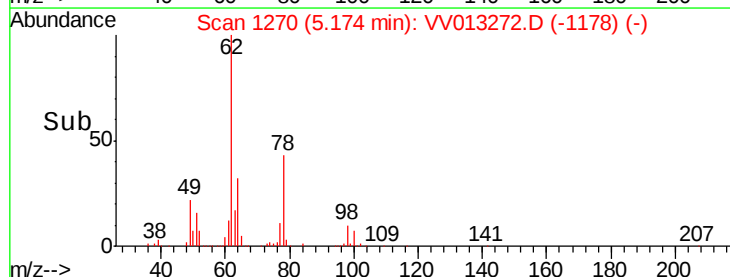
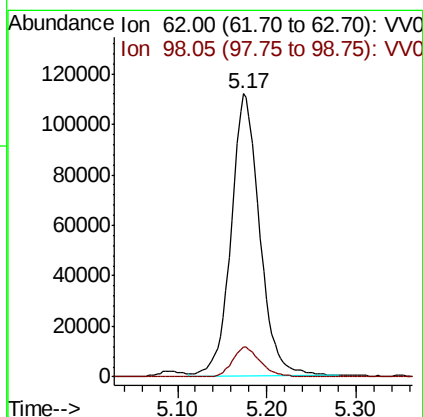
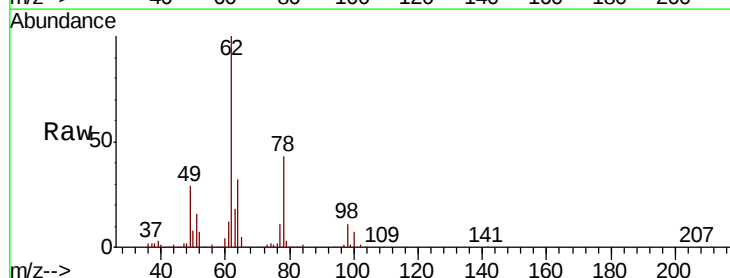
Instrument :
MSVOA_V
ClientSampleId :

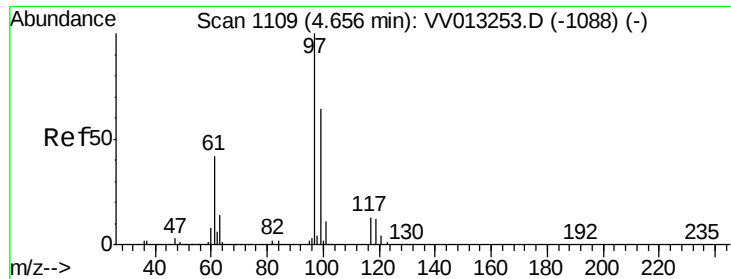
Tot Ion: 83 Resp: 459612
Ion Ratio Lower Upper
83 100
85 65.5 45.7 84.9



#27
1,2-Dichloroethane
Concen: 4.346 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV013272.D
Acq: 22 Oct 2019 11:46

Tgt Ion: 62 Resp: 248631
Ion Ratio Lower Upper
62 100
98 10.5 8.3 12.5





#29

1,1,1-Trichloroethane

Concen: 4.598 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV013272.D

Acq: 22 Oct 2019 11:46

Instrument :
MSVOA_V
ClientSampleId :

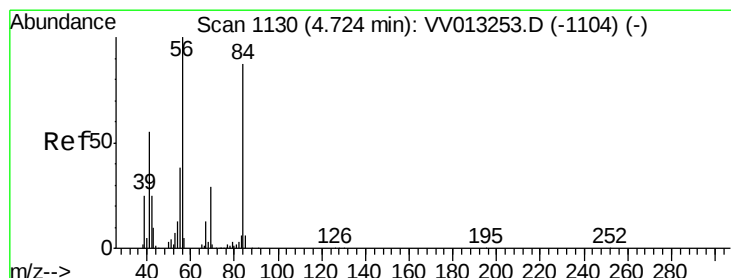
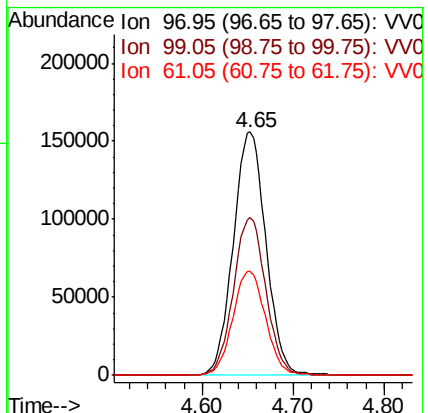
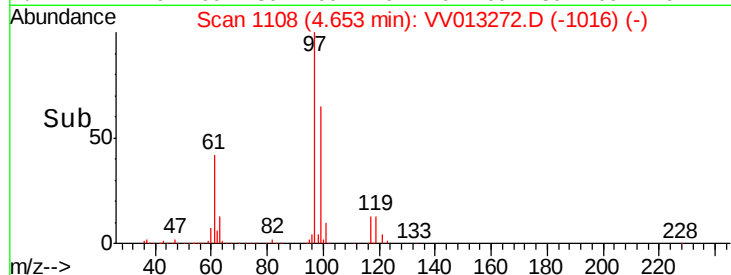
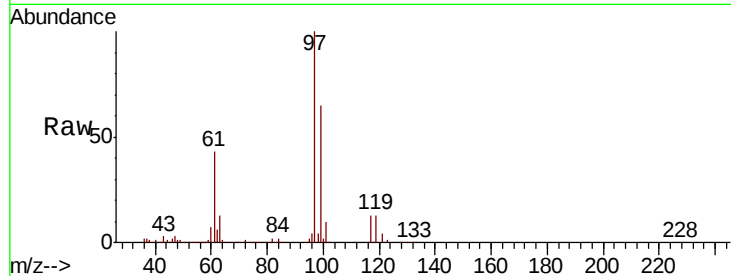
Tot Ion: 97 Resp: 388287

Ion Ratio Lower Upper

97 100

99 64.7 51.7 77.5

61 42.7 34.3 51.5



#30

Cyclohexane

Concen: 4.587 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV013272.D

Acq: 22 Oct 2019 11:46

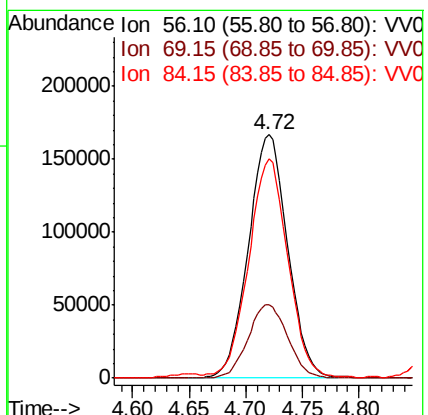
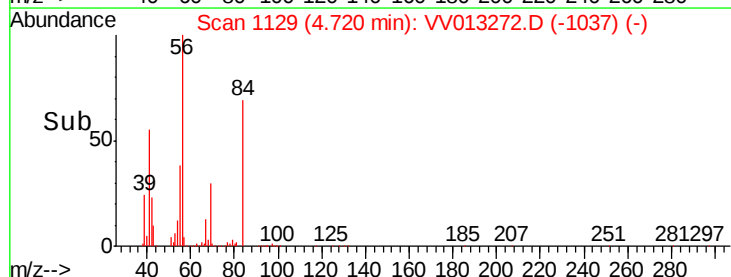
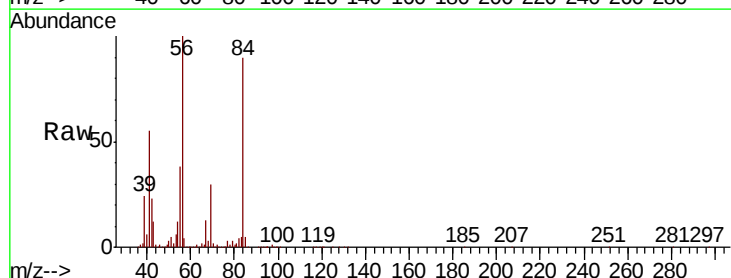
Tgt Ion: 56 Resp: 402073

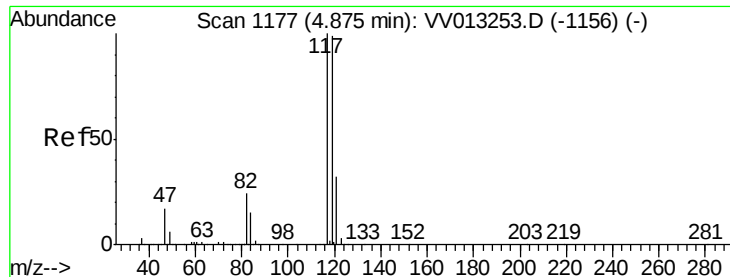
Ion Ratio Lower Upper

56 100

69 30.4 24.6 37.0

84 89.7 71.0 106.6



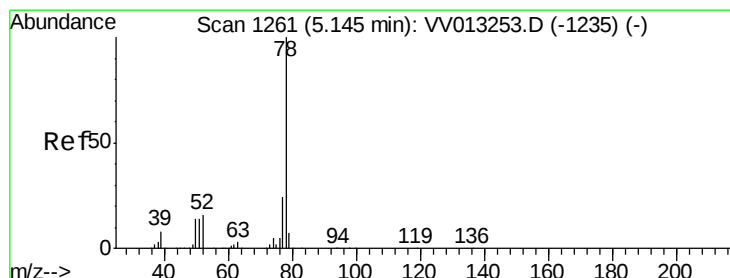
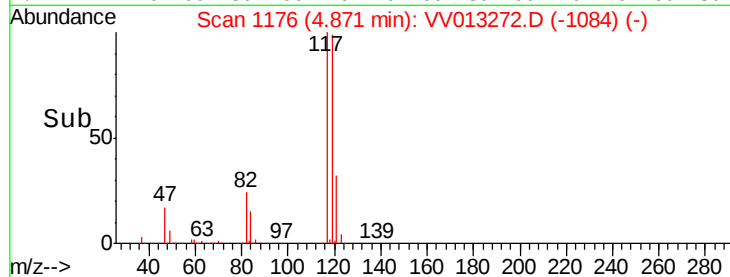
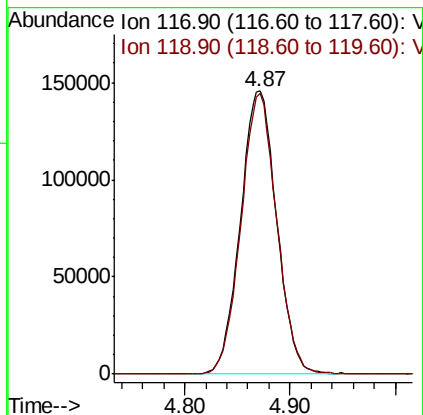
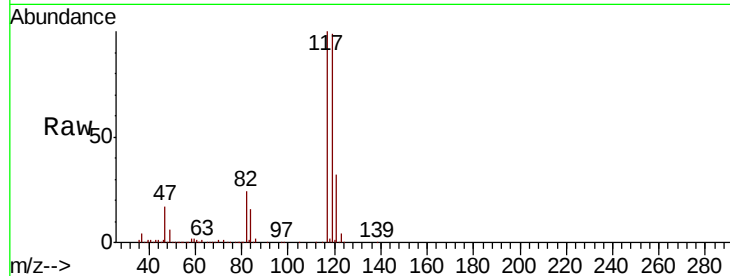


#31

Carbon tetrachloride
 Concen: 4.592 ug/L
 RT: 4.87 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VV013272.D
 Acq: 22 Oct 2019 11:46

Instrument :
 MSVOA_V
 ClientSampleId :

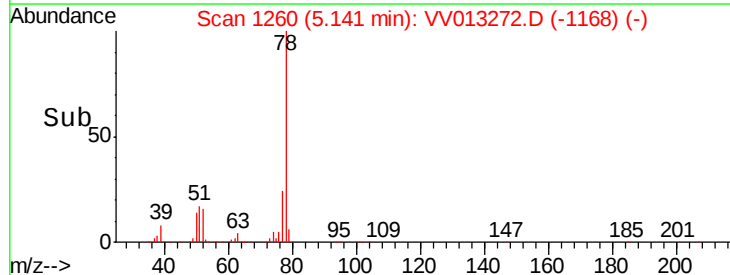
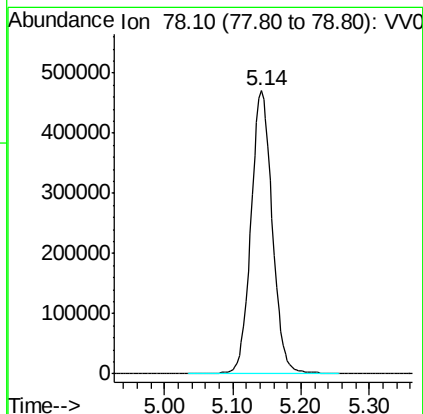
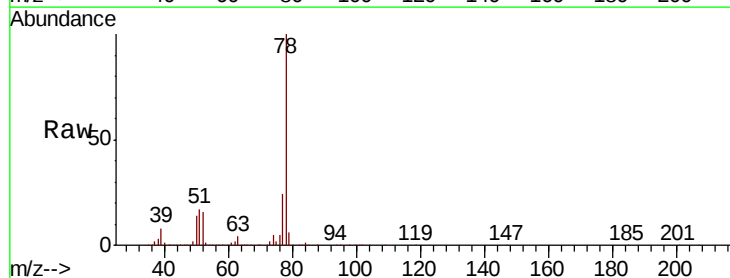
Tot Ion:117 Resp: 347945
 Ion Ratio Lower Upper
 117 100
 119 97.6 77.4 116.0

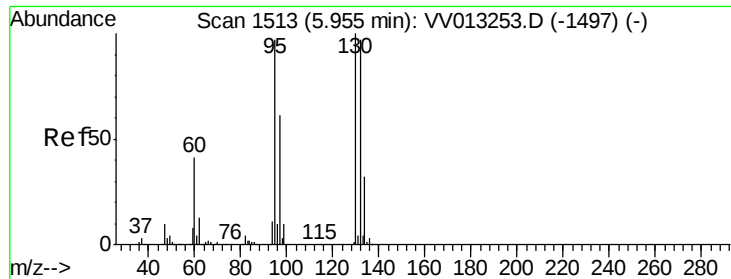


#33

Benzene
 Concen: 4.683 ug/L
 RT: 5.14 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VV013272.D
 Acq: 22 Oct 2019 11:46

Tgt Ion: 78 Resp: 1021659

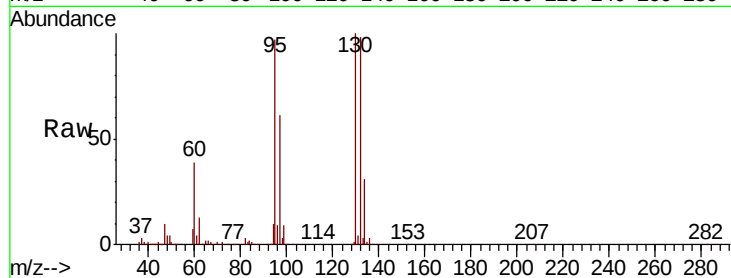




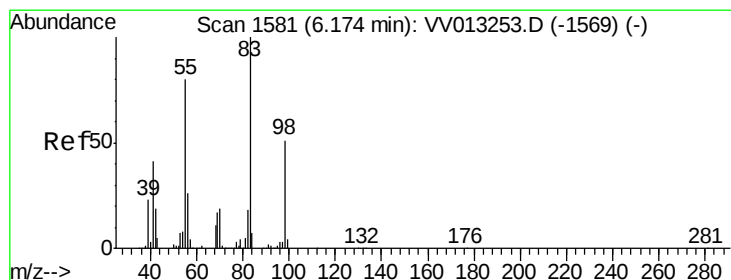
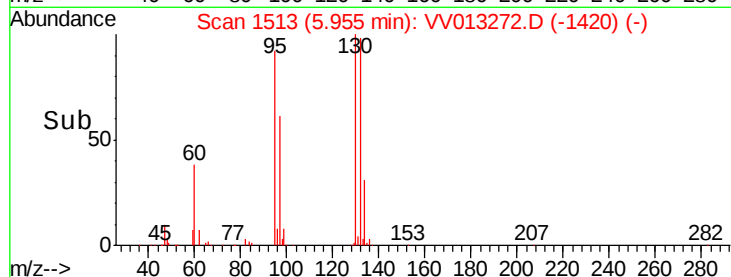
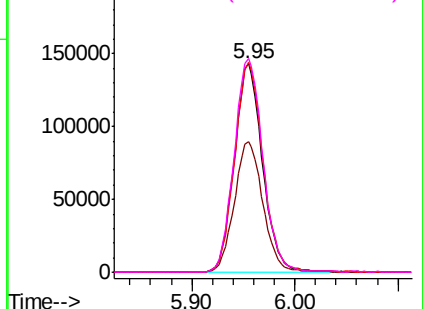
#34
 Trichloroethene
 Concen: 4.653 ug/L
 RT: 5.95 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV013272.D
 Acq: 22 Oct 2019 11:46

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	95	Resp:	272393
Ion	Ratio	Lower	Upper
95	100		
97	62.6	45.2	84.0
132	100.9	70.6	131.2
130	102.6	75.5	140.3

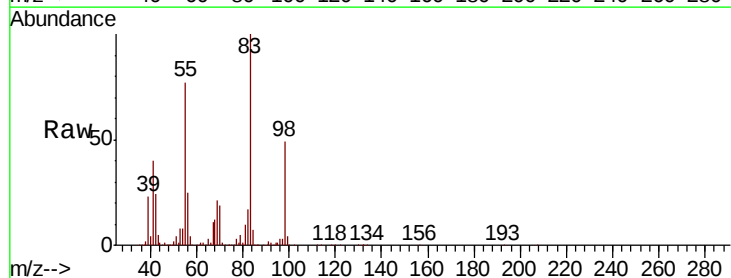


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

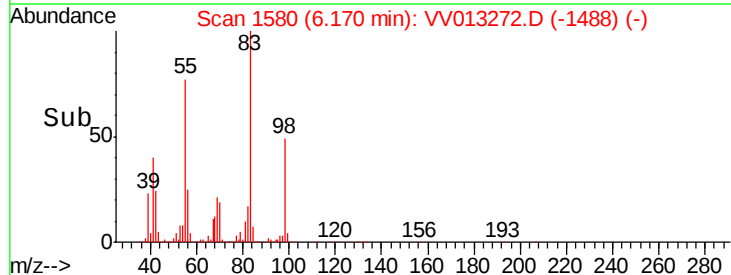
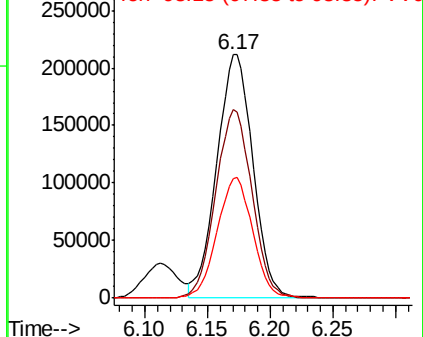


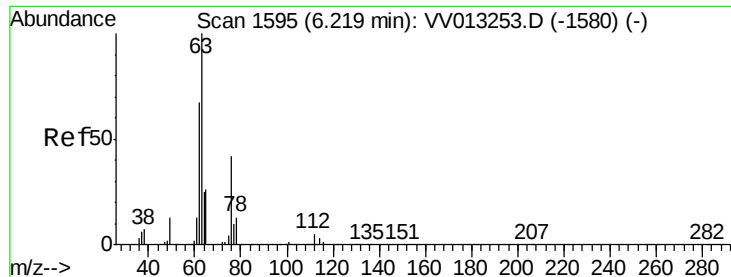
#35
 Methylcyclohexane
 Concen: 4.688 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: VV013272.D
 Acq: 22 Oct 2019 11:46

Tgt Ion:	83	Resp:	422232
Ion	Ratio	Lower	Upper
83	100		
55	77.6	62.4	93.6
98	48.7	39.2	58.8



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: 4.559 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. -0.00 min

Lab File: VV013272.D

Acq: 22 Oct 2019 11:46

Instrument :

MSVOA_V

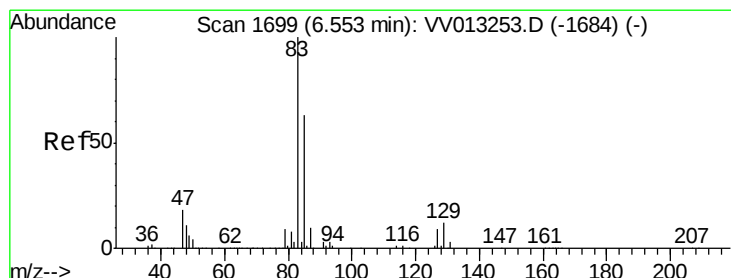
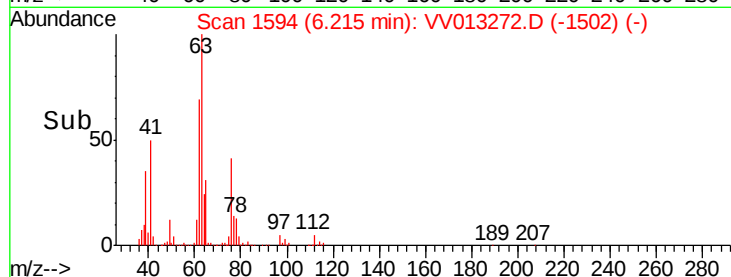
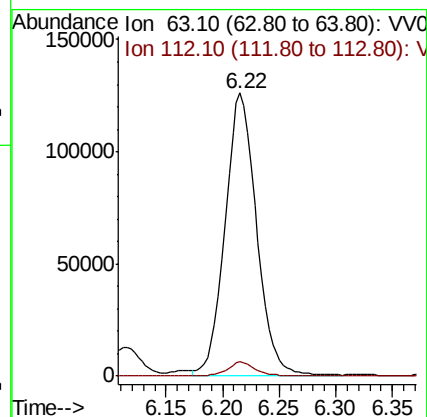
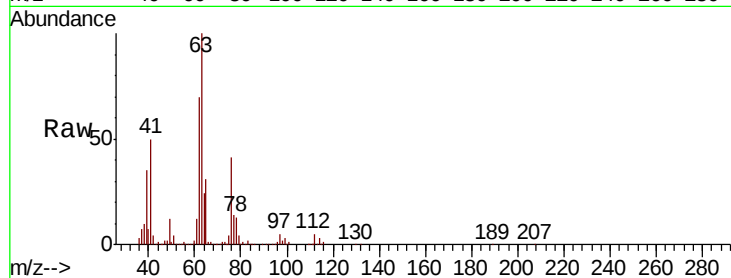
ClientSampled :

Tot Ion: 63 Resp: 241606

Ion Ratio Lower Upper

63 100

112 4.4 4.1 6.1



#38

Bromodichloromethane

Concen: 4.452 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VV013272.D

Acq: 22 Oct 2019 11:46

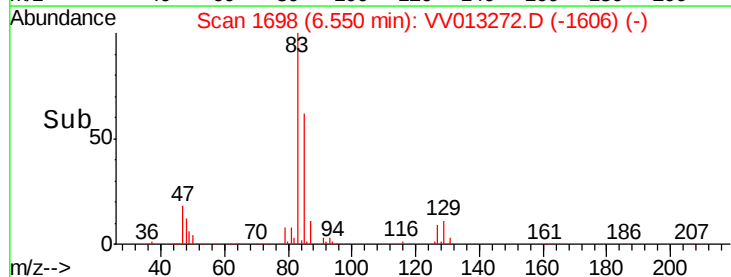
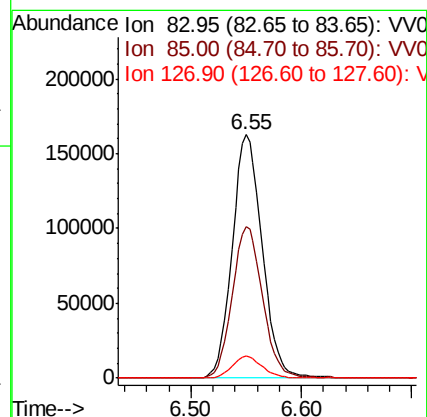
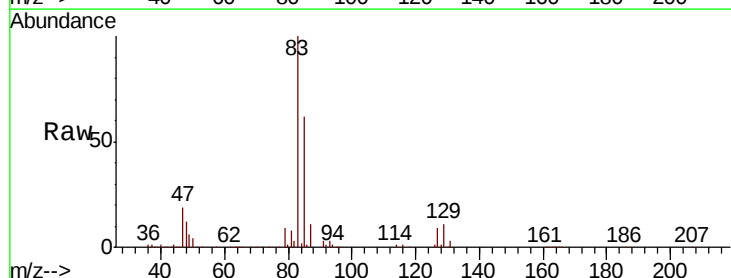
Tgt Ion: 83 Resp: 305369

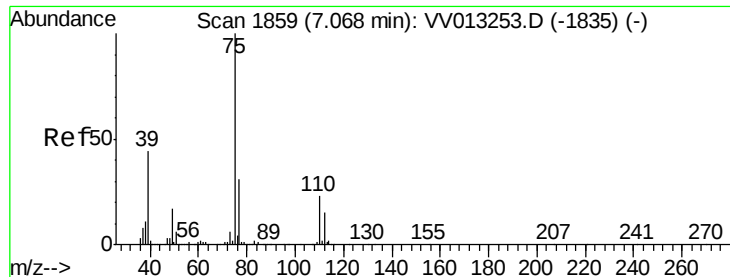
Ion Ratio Lower Upper

83 100

85 62.3 44.4 82.5

127 8.9 6.6 10.0

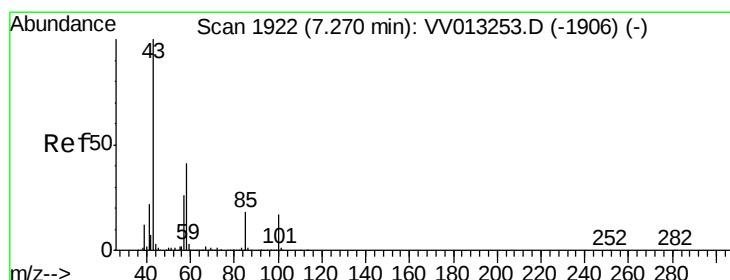
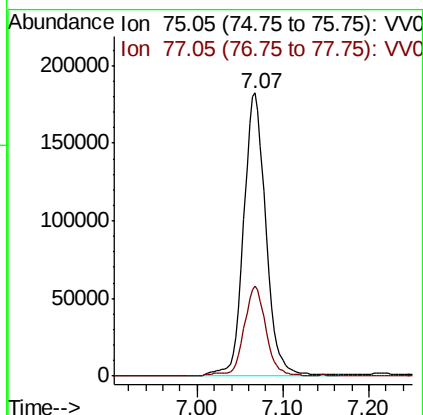
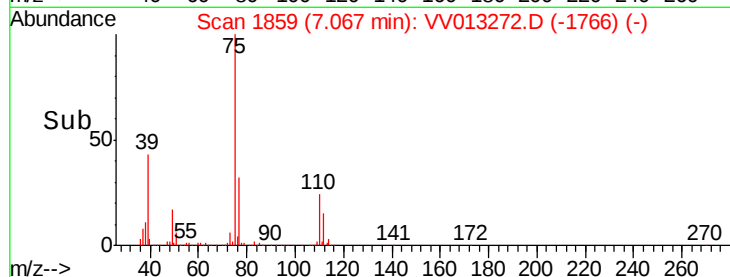
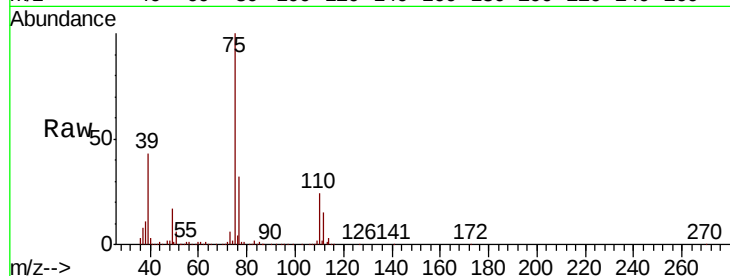




#39
 cis-1,3-Dichloropropene
 Concen: 4.410 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV013272.D
 Acq: 22 Oct 2019 11:46

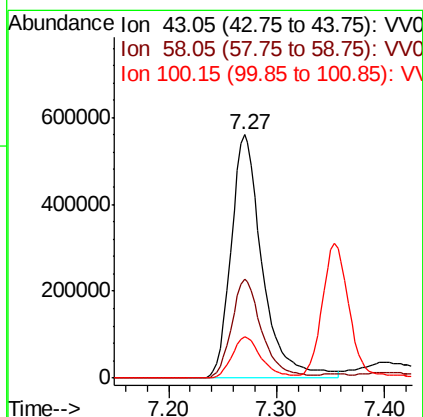
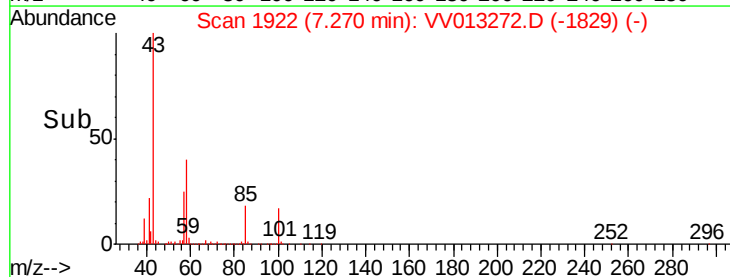
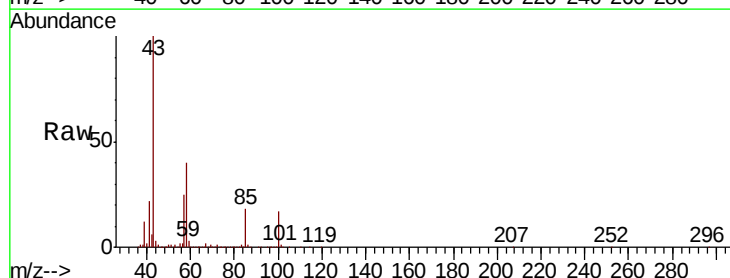
Instrument :
 MSVOA_V
 ClientSampleId :

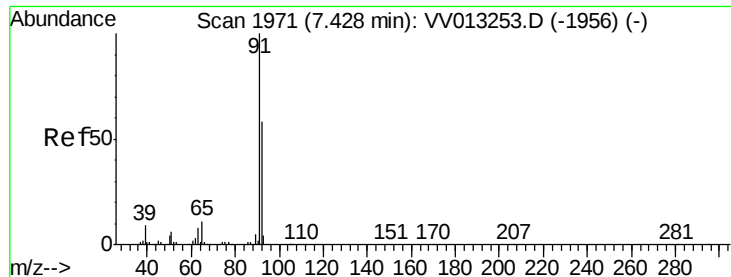
Tot Ion: 75 Resp: 329202
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 41.725 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VV013272.D
 Acq: 22 Oct 2019 11:46

Tgt Ion: 43 Resp: 1130360
 Ion Ratio Lower Upper
 43 100
 58 39.4 30.7 46.1
 100 16.2 12.4 18.6





#42

Toluene

Concen: 4.774 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV013272.D

Acq: 22 Oct 2019 11:46

Instrument :

MSVOA_V

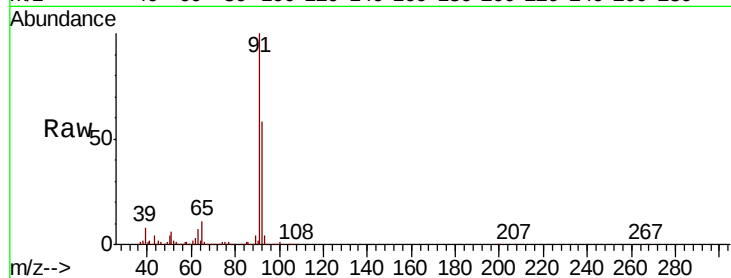
ClientSampleId :

Tot Ion: 91 Resp: 1093699

Ion Ratio Lower Upper

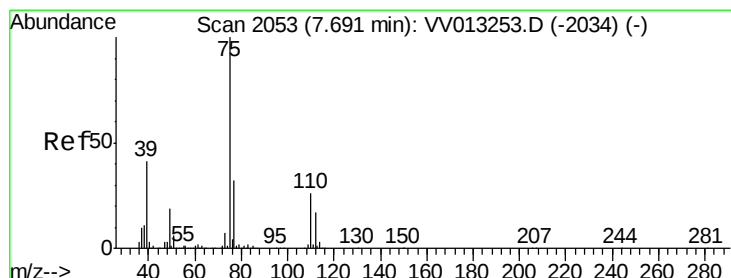
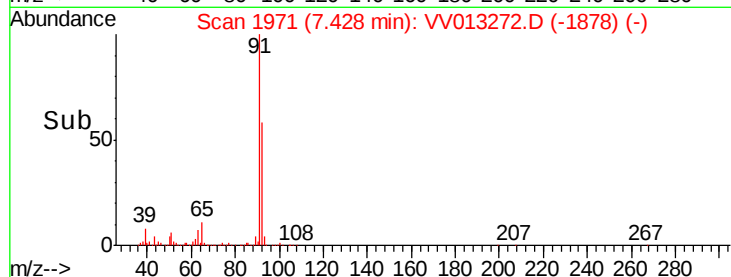
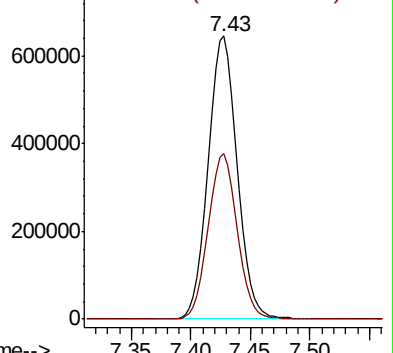
91 100

92 58.4 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 4.349 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV013272.D

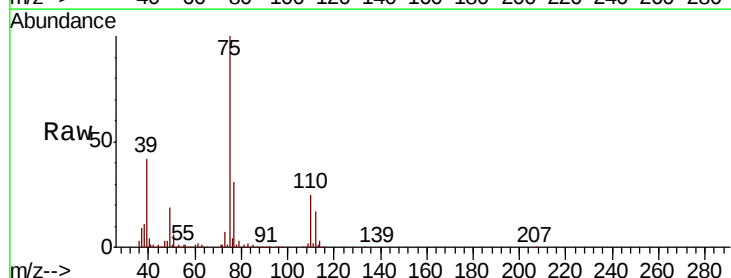
Acq: 22 Oct 2019 11:46

Tgt Ion: 75 Resp: 245934

Ion Ratio Lower Upper

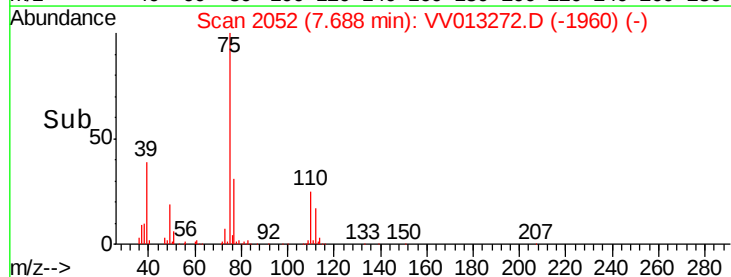
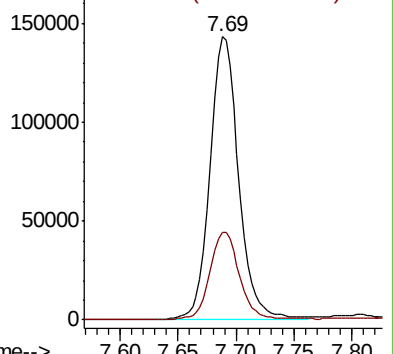
75 100

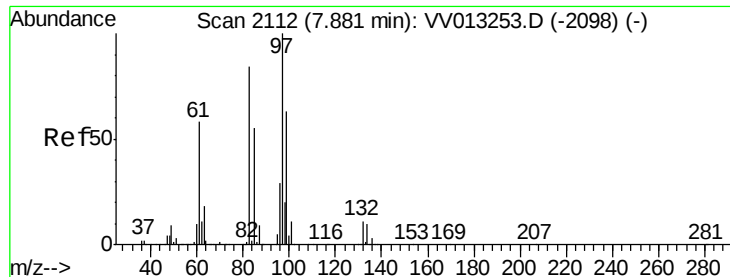
77 30.8 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

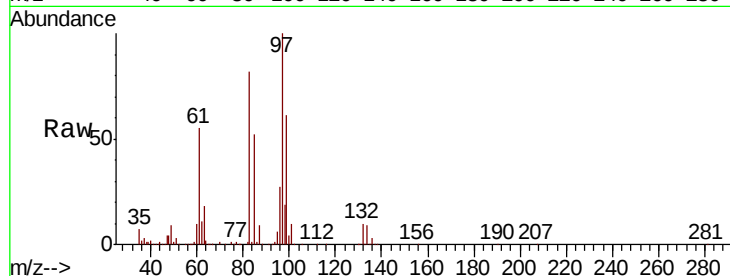




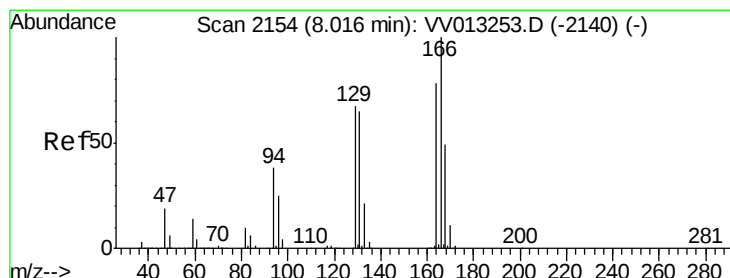
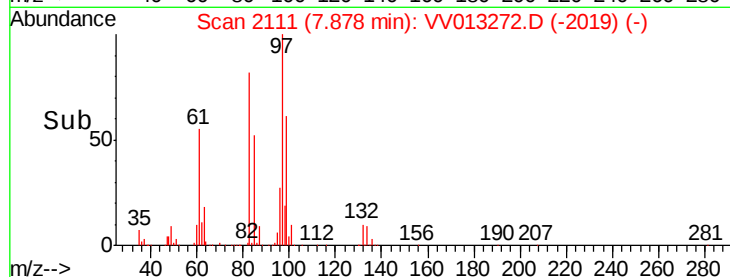
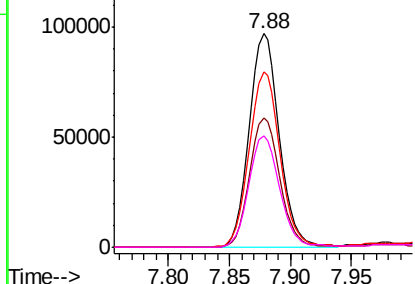
#45
 1,1,2-Trichloroethane
 Concen: 4.439 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV013272.D
 Acq: 22 Oct 2019 11:46

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	97	Resp:	164202
Ion	Ratio	Lower	Upper
97	100		
99	60.6	42.2	78.4
83	82.1	58.4	108.4
85	52.4	37.0	68.6

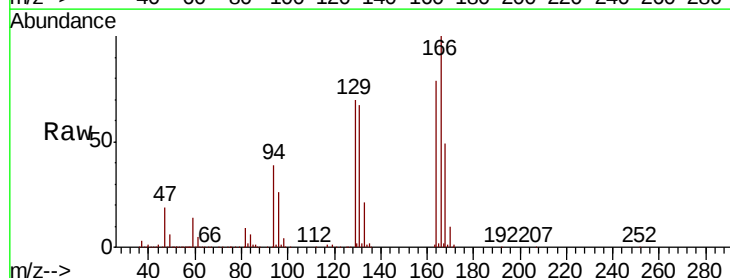


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

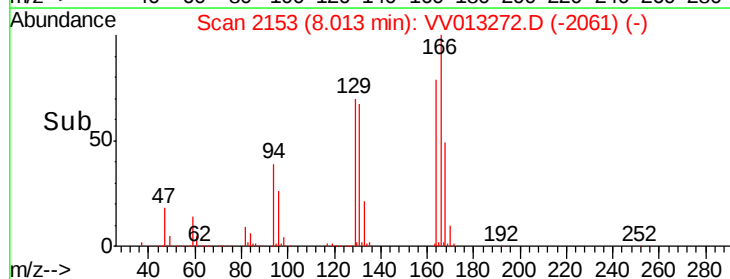
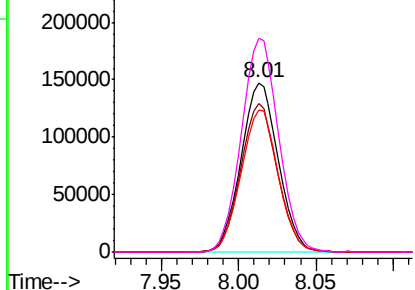


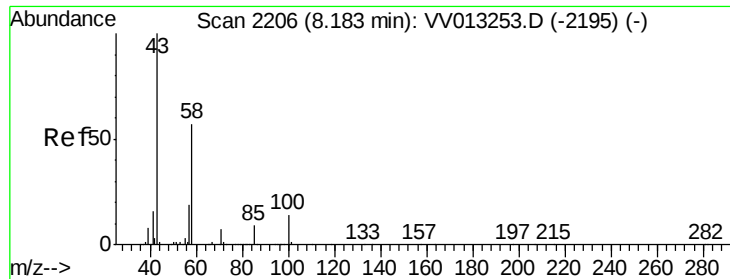
#47
 Tetrachloroethene
 Concen: 4.636 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV013272.D
 Acq: 22 Oct 2019 11:46

Tgt Ion:	164	Resp:	246451
Ion	Ratio	Lower	Upper
164	100		
129	88.1	61.0	113.2
131	84.3	57.5	106.9
166	126.4	87.8	163.0



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

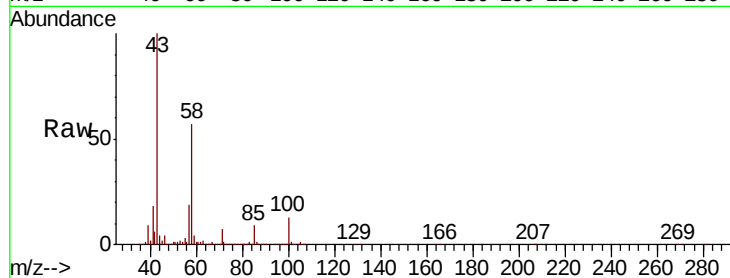




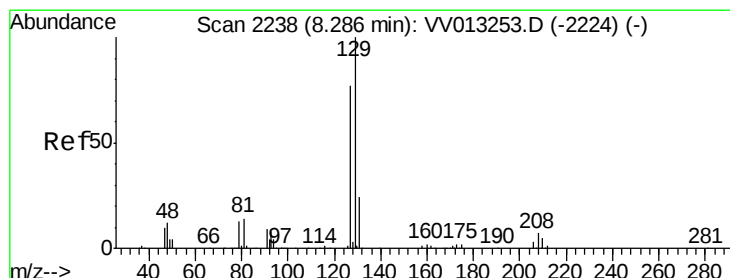
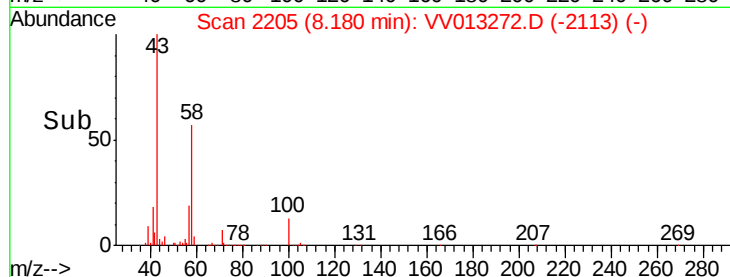
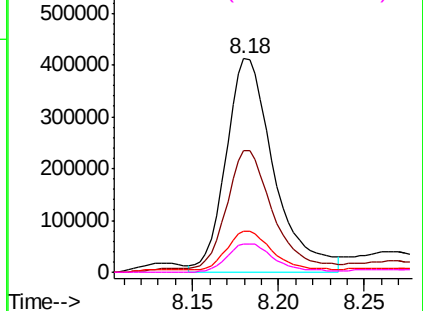
#48
2-Hexanone
Concen: 41.525 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV013272.D
Acq: 22 Oct 2019 11:46

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 803060
Ion Ratio Lower Upper
43 100
58 56.5 45.1 67.7
57 19.9 15.5 23.3
100 13.1 10.2 15.2

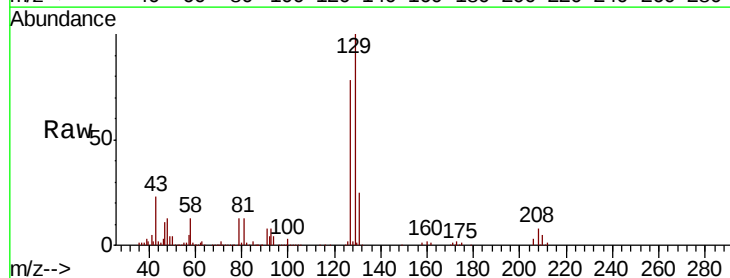


Abundance Ion 43.05 (42.75 to 43.75): VV013253.D (-2195) (-)
Ion 58.05 (57.75 to 58.75): VV013253.D (-2195) (-)
Ion 57.20 (56.90 to 57.90): VV013253.D (-2195) (-)
Ion 100.15 (99.85 to 100.85): VV013253.D (-2195) (-)

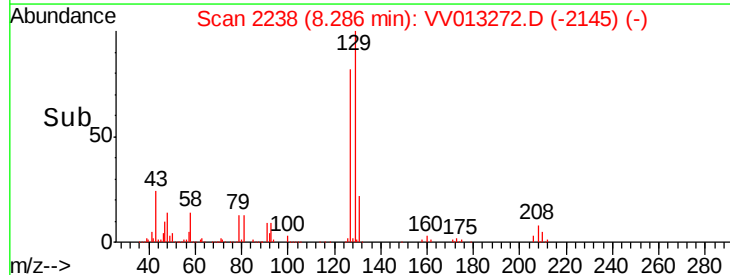
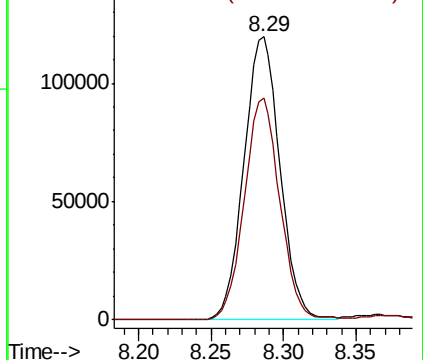


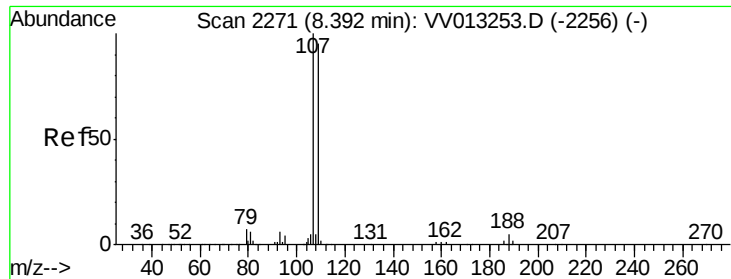
#49
Dibromochloromethane
Concen: 4.453 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV013272.D
Acq: 22 Oct 2019 11:46

Tgt Ion: 129 Resp: 207496
Ion Ratio Lower Upper
129 100
127 78.3 54.1 100.5



Abundance Ion 128.95 (128.65 to 129.65): VV013253.D (-2224) (-)
Ion 126.90 (126.60 to 127.60): VV013253.D (-2224) (-)

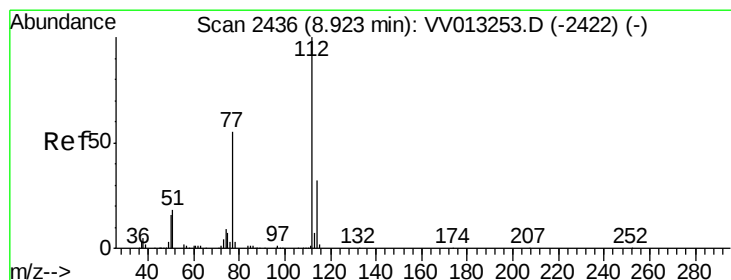
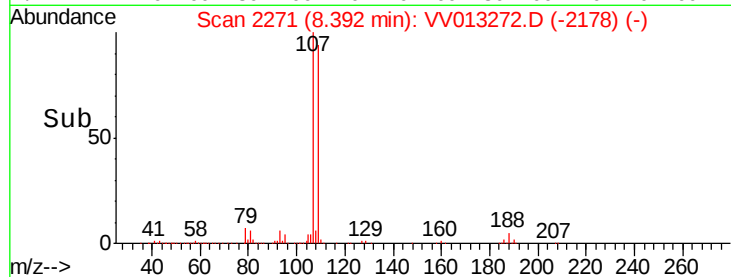
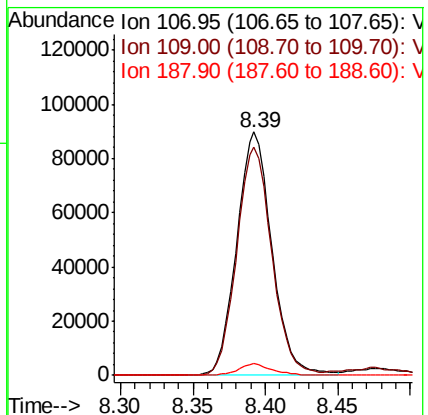
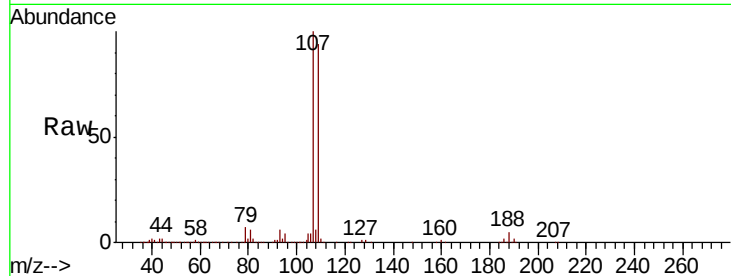




#50
 1,2-Dibromoethane
 Concen: 4.294 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VV013272.D
 Acq: 22 Oct 2019 11:46

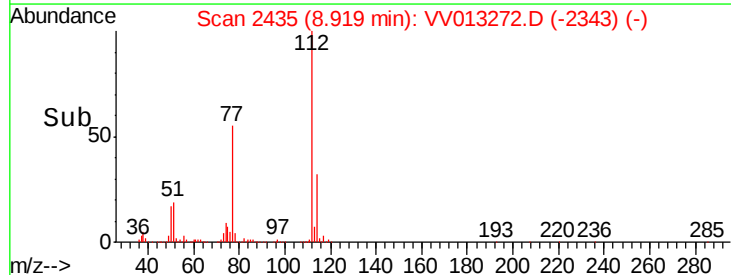
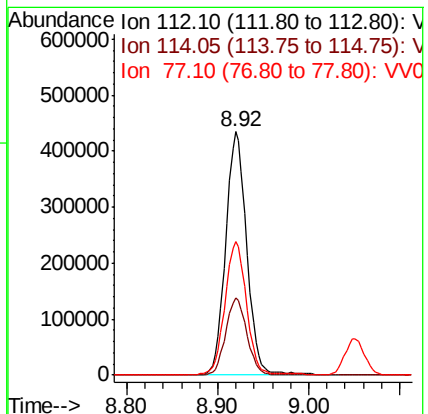
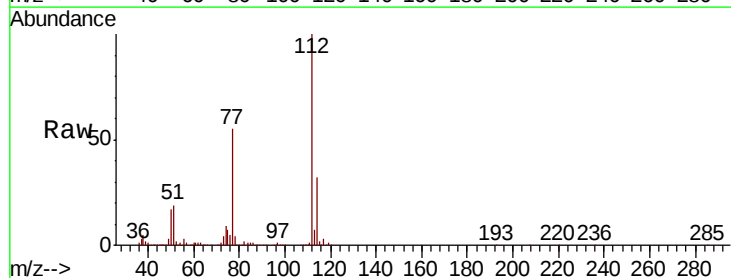
Instrument :
 MSVOA_V
 ClientSampleId :

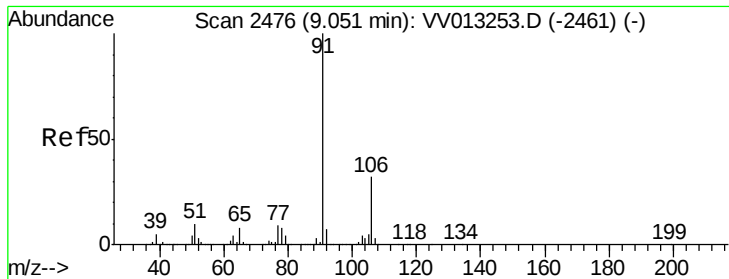
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	65.5	121.6
188	4.8	3.7	5.5



#51
 Chlorobenzene
 Concen: 4.673 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. -0.00 min
 Lab File: VV013272.D
 Acq: 22 Oct 2019 11:46

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	21.8	40.6
77	54.9	44.4	66.6





#52

Ethylbenzene

Concen: 4.857 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013272.D

Acq: 22 Oct 2019 11:46

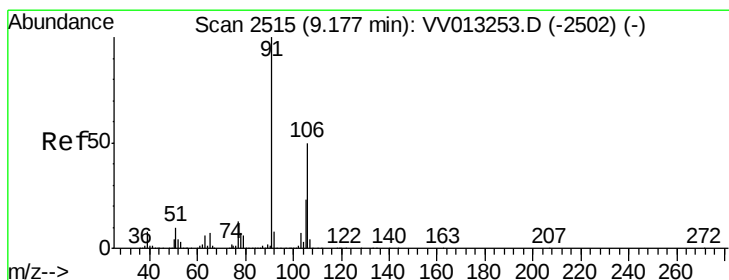
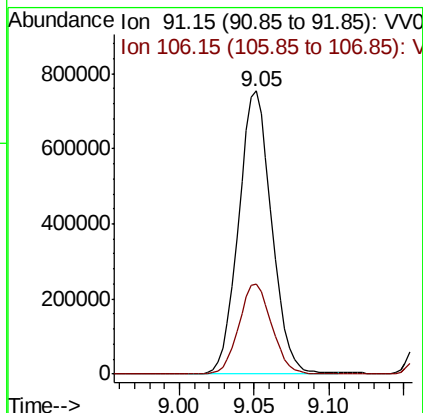
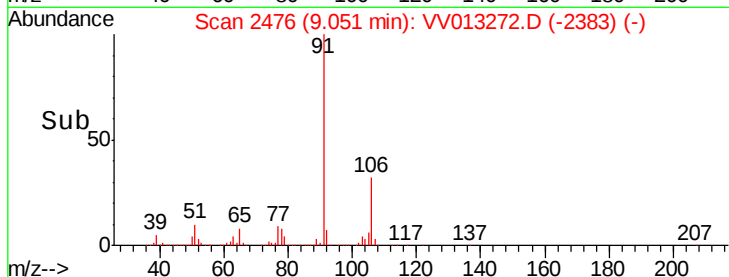
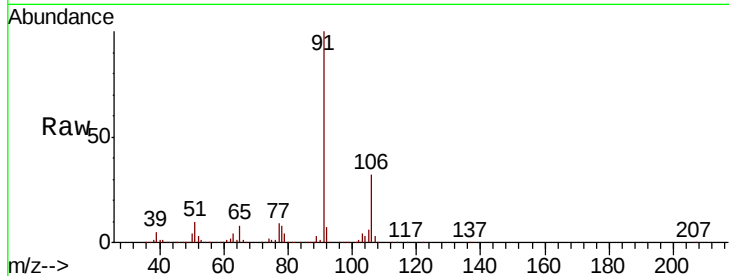
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1160120

Ion Ratio Lower Upper

91 100

106 31.7 22.4 41.6



#53

m,p-xylene

Concen: 5.023 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013272.D

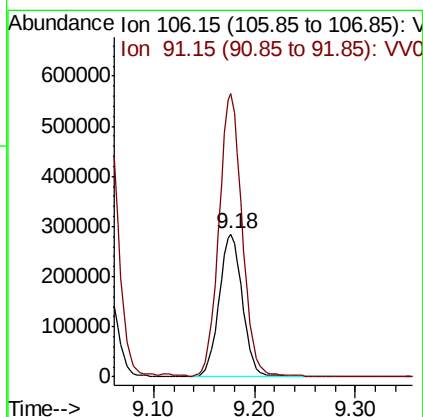
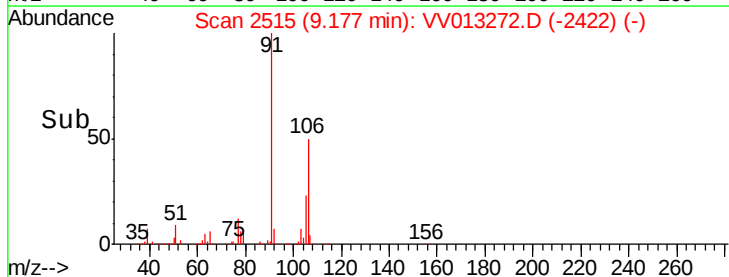
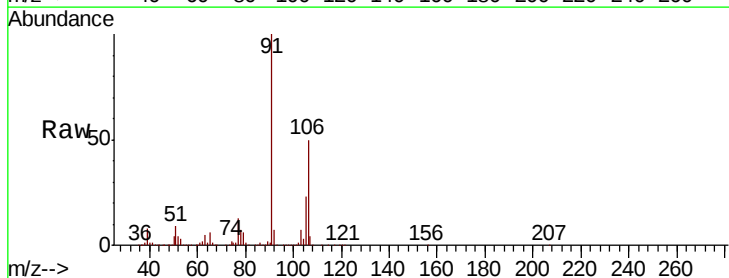
Acq: 22 Oct 2019 11:46

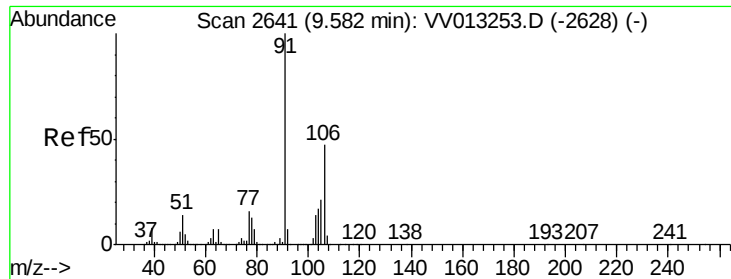
Tgt Ion: 106 Resp: 459216

Ion Ratio Lower Upper

106 100

91 198.5 137.8 255.8

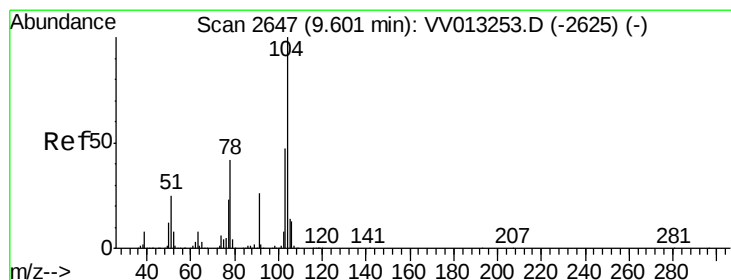
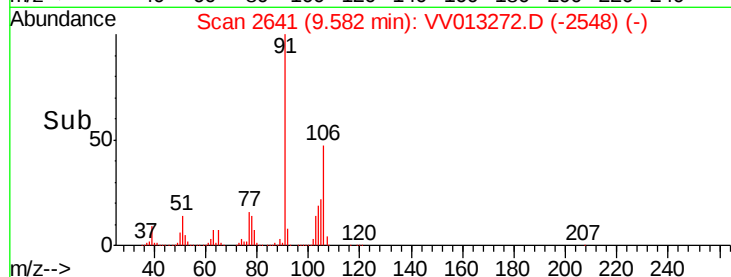
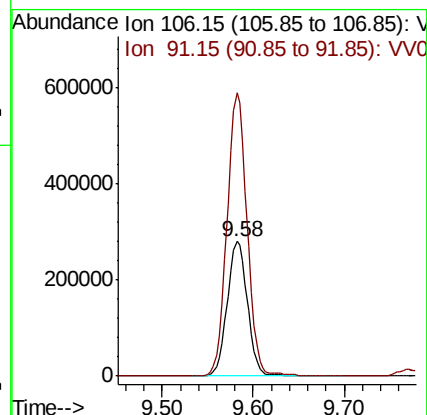
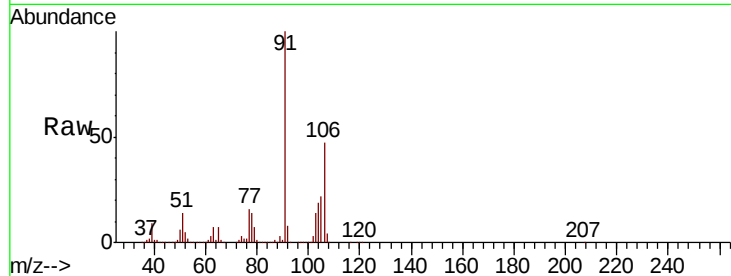




#54
o-xylene
Concen: 4.996 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV013272.D
Acq: 22 Oct 2019 11:46

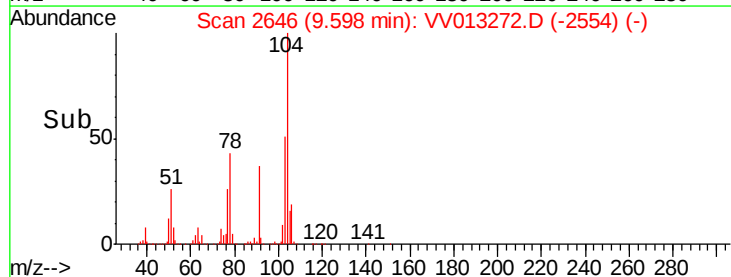
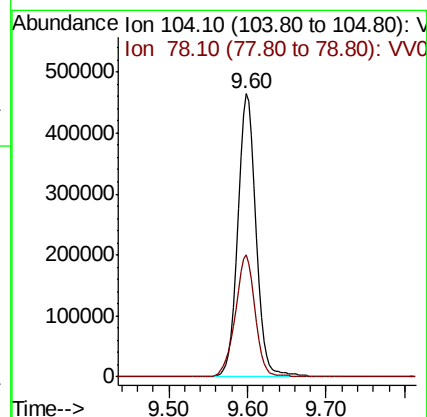
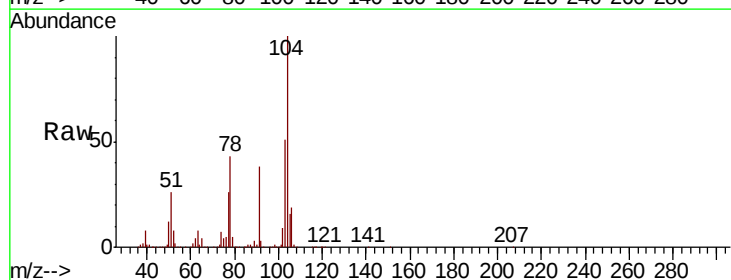
Instrument :
MSVOA_V
ClientSampleId :

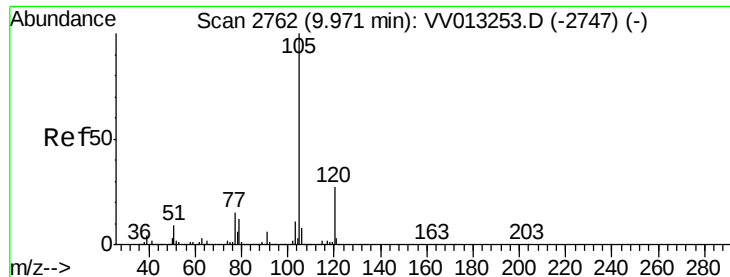
Tot Ion:106 Resp: 433628
Ion Ratio Lower Upper
106 100
91 210.8 147.0 273.0



#55
Styrene
Concen: 5.023 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.00 min
Lab File: VV013272.D
Acq: 22 Oct 2019 11:46

Tgt Ion:104 Resp: 740967
Ion Ratio Lower Upper
104 100
78 43.0 29.6 55.0

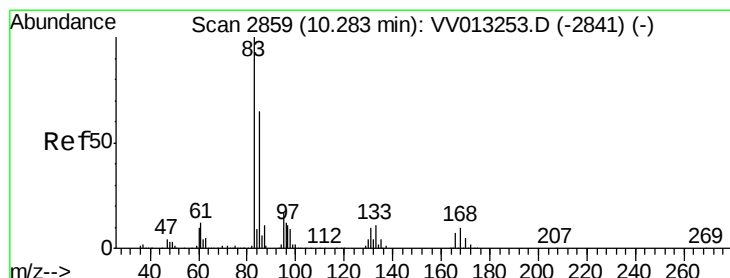
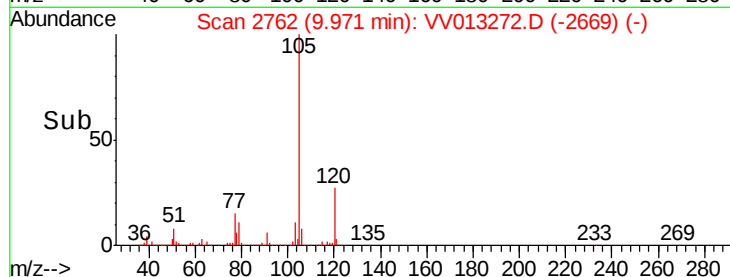
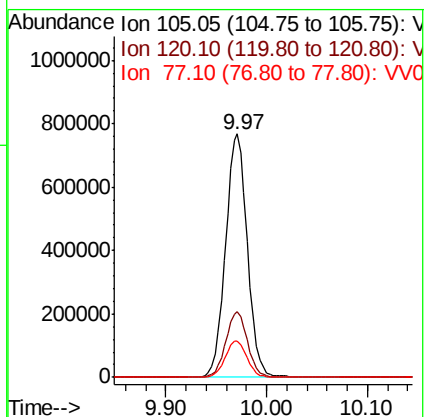
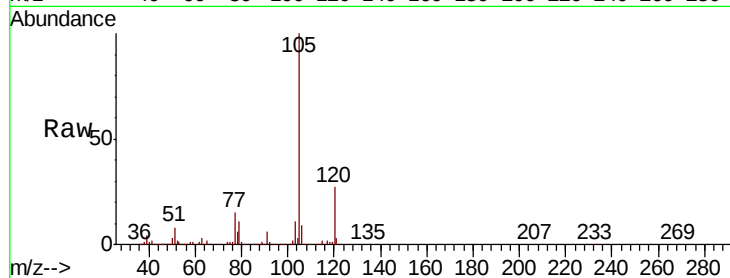




#56
Isopropylbenzene
Concen: 5.058 ug/L
RT: 9.97 min Scan# 2762
Delta R.T. -0.00 min
Lab File: VV013272.D
Acq: 22 Oct 2019 11:46

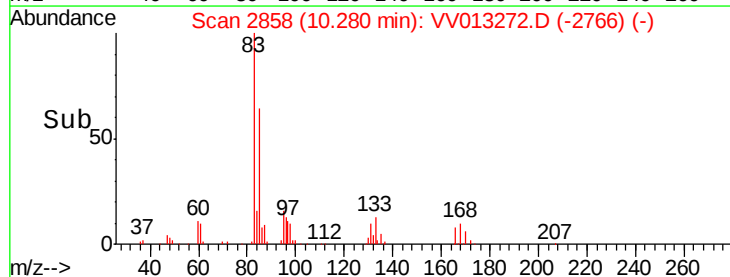
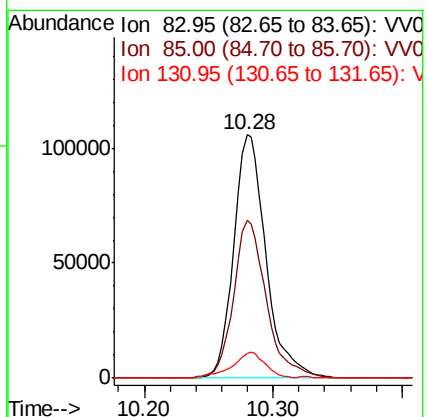
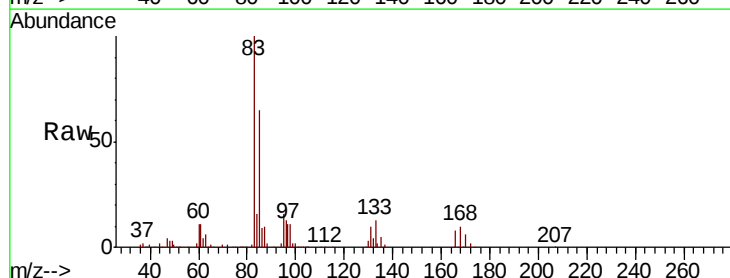
Instrument :
MSVOA_V
ClientSampled :

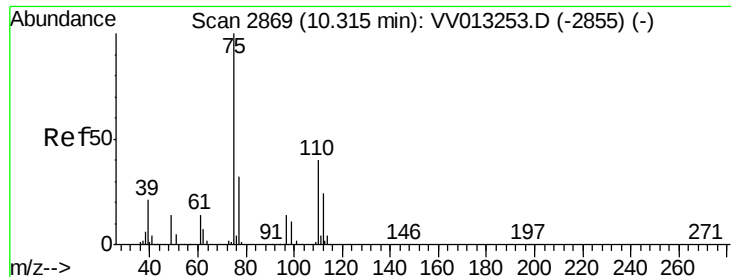
Tot Ion:105 Resp: 1158009
Ion Ratio Lower Upper
105 100
120 26.8 21.8 32.6
77 15.0 12.0 18.0



#58
1,1,2,2-Tetrachloroethane
Concen: 4.326 ug/L
RT: 10.28 min Scan# 2858
Delta R.T. -0.00 min
Lab File: VV013272.D
Acq: 22 Oct 2019 11:46

Tgt Ion: 83 Resp: 183976
Ion Ratio Lower Upper
83 100
85 64.6 43.3 80.3
131 10.1 8.3 12.5

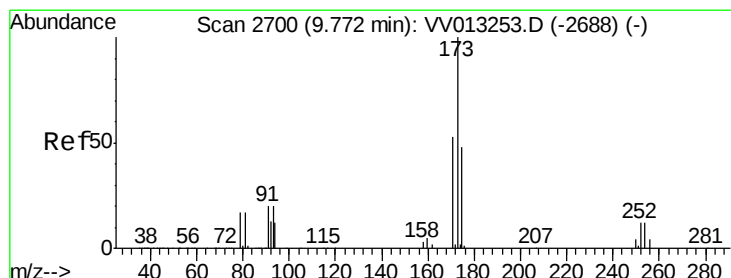
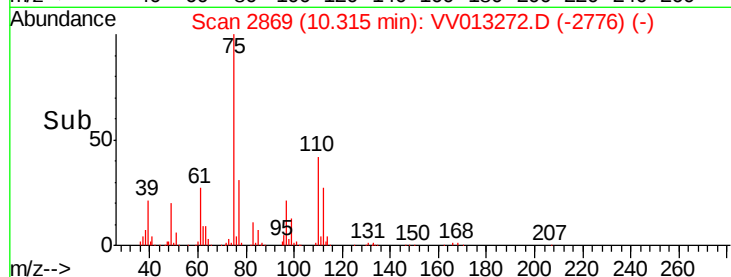
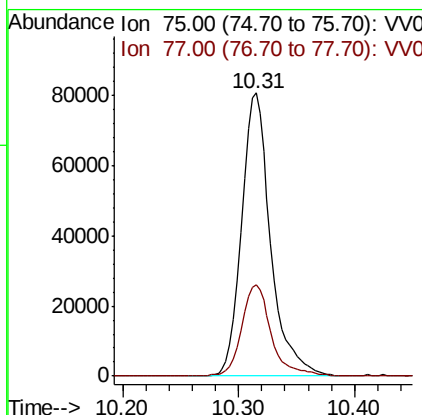
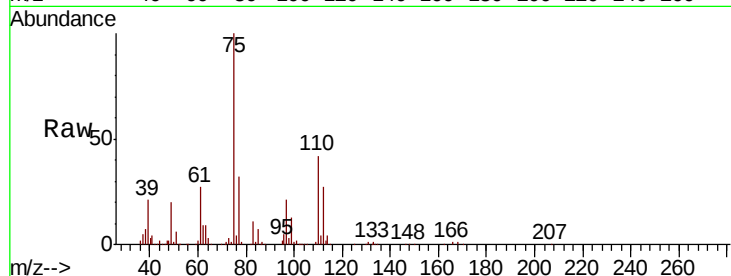




#59
 1,2,3-Trichloropropane
 Concen: 4.421 ug/L
 RT: 10.31 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VV013272.D
 Acq: 22 Oct 2019 11:46

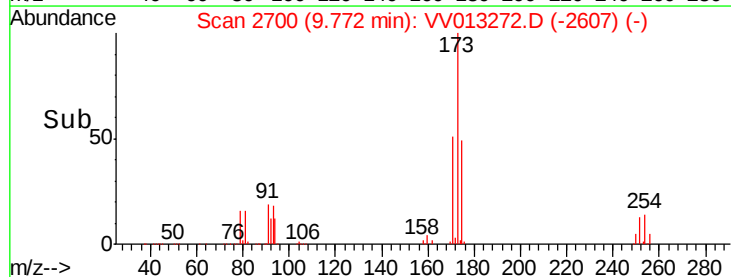
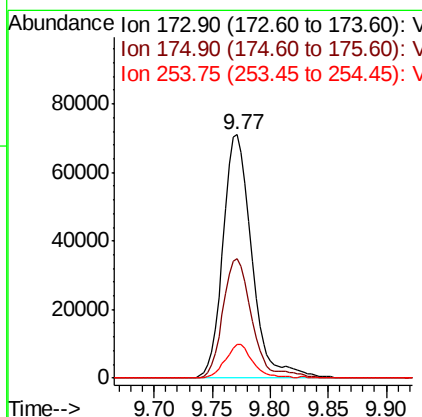
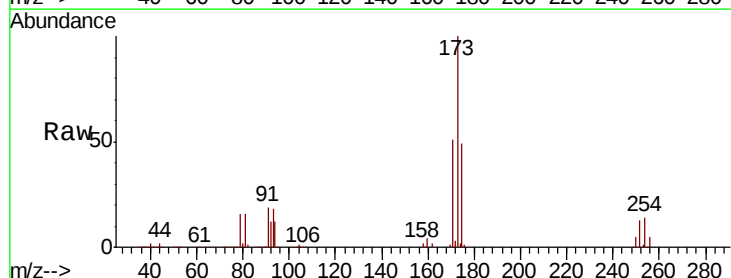
Instrument :
 MSVOA_V
 ClientSampleId :

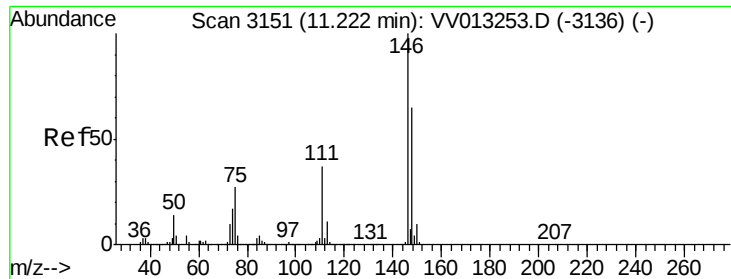
Tot Ion: 75 Resp: 139749
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.7 37.1



#61
 Bromoform
 Concen: 4.489 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. -0.00 min
 Lab File: VV013272.D
 Acq: 22 Oct 2019 11:46

Tgt Ion: 173 Resp: 122533
 Ion Ratio Lower Upper
 173 100
 175 49.7 38.8 58.2
 254 13.0 9.8 14.8





#62

1,3-Dichlorobenzene

Concen: 4.725 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV013272.D

Acq: 22 Oct 2019 11:46

Instrument :

MSVOA_V

ClientSampled :

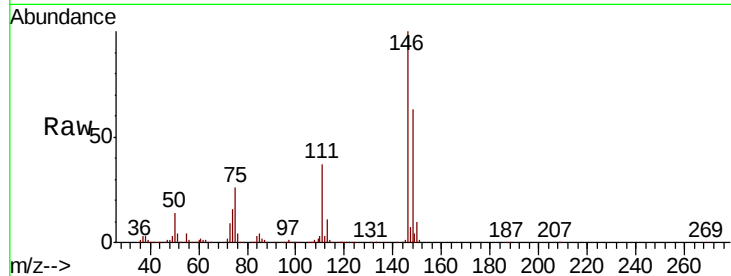
Tot Ion:146 Resp: 595835

Ion Ratio Lower Upper

146 100

111 36.5 25.8 47.8

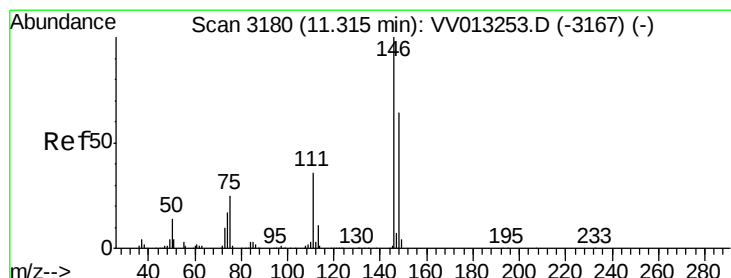
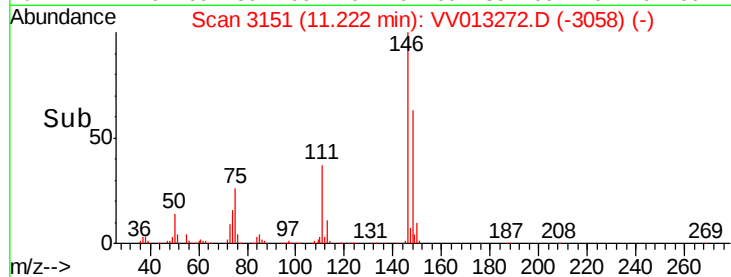
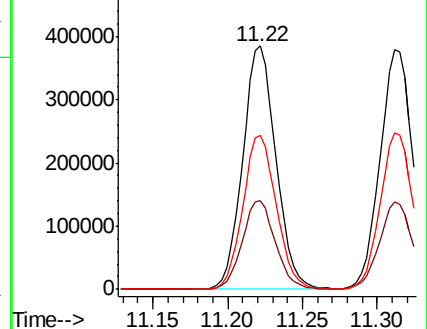
148 63.4 43.8 81.3



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: 4.600 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV013272.D

Acq: 22 Oct 2019 11:46

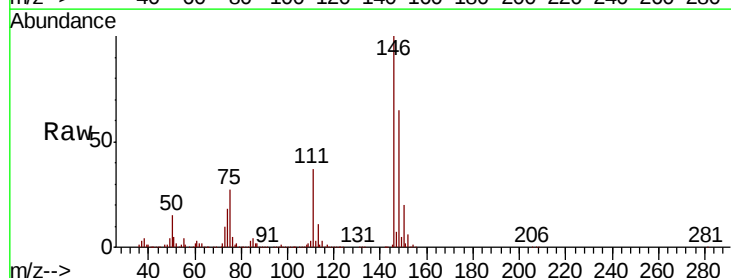
Tgt Ion:146 Resp: 587390

Ion Ratio Lower Upper

146 100

111 36.6 24.6 45.6

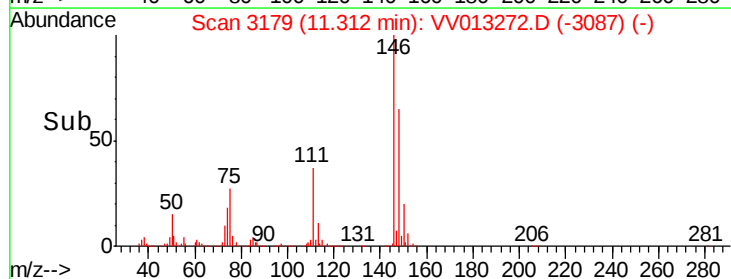
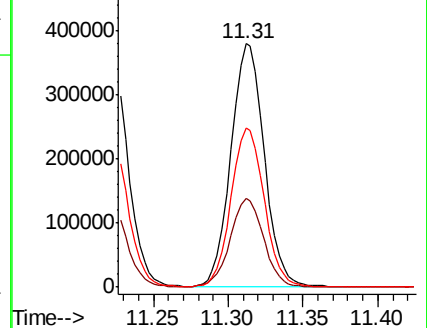
148 65.4 43.3 80.5

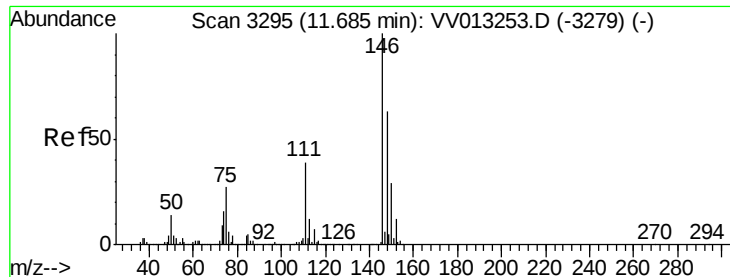


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.564 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV013272.D

Acq: 22 Oct 2019 11:46

Instrument :

MSVOA_V

ClientSampleId :

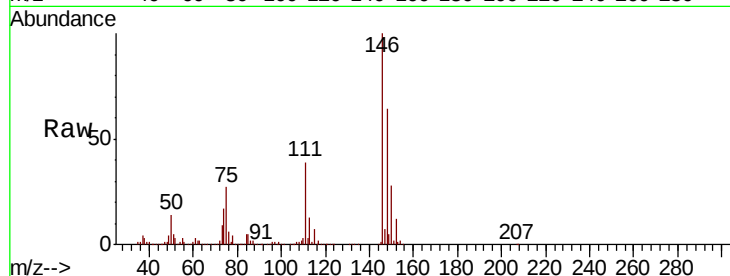
Tot Ion:146 Resp: 530069

Ion Ratio Lower Upper

146 100

111 39.3 31.8 47.6

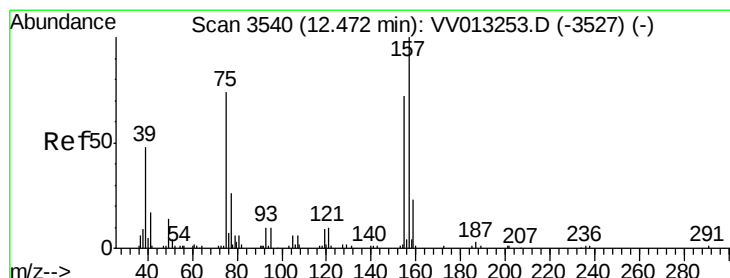
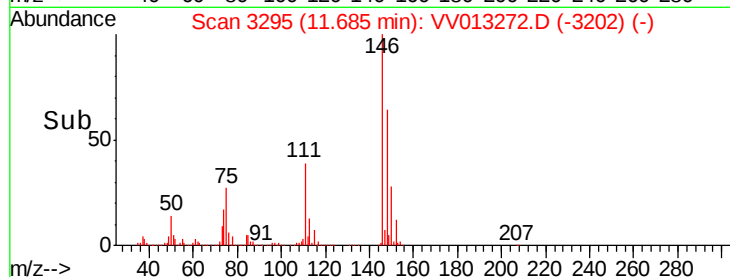
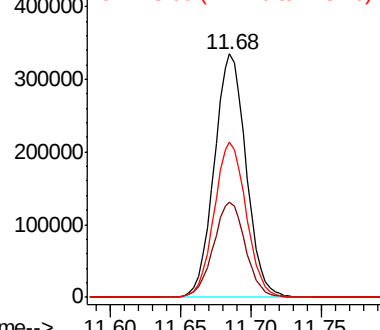
148 63.8 51.0 76.6



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: 4.135 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. -0.00 min

Lab File: VV013272.D

Acq: 22 Oct 2019 11:46

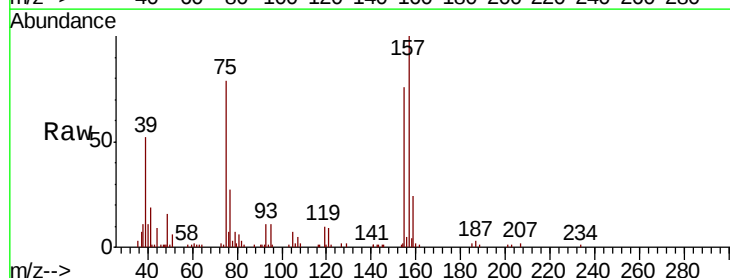
Tgt Ion: 75 Resp: 27268

Ion Ratio Lower Upper

75 100

155 97.3 69.3 103.9

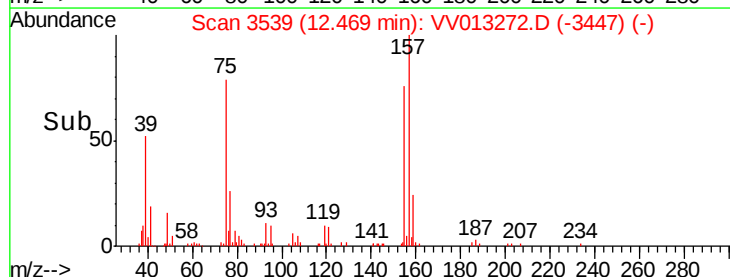
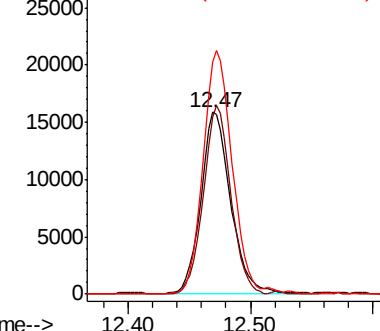
157 127.4 94.3 141.5

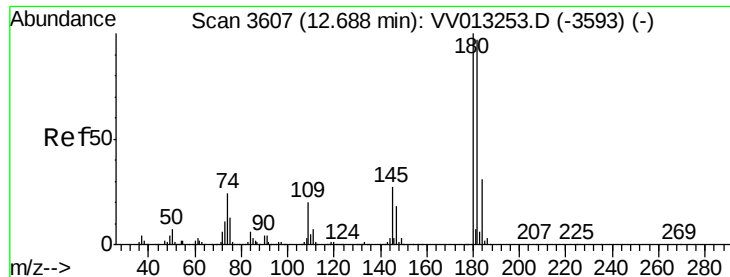


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

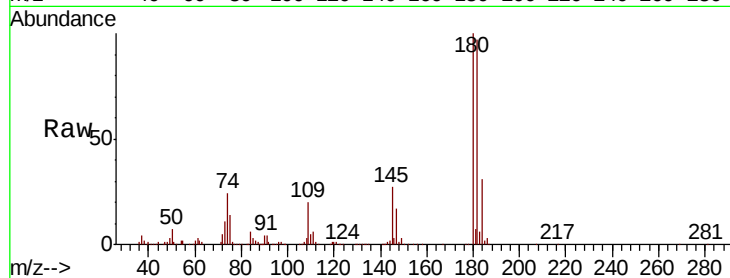




#67
 1,3,5-Trichlorobenzene
 Concen: 4.664 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013272.D
 Acq: 22 Oct 2019 11:46

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.2	114.2
184	31.1	24.0	36.0
145	27.0	21.8	32.8



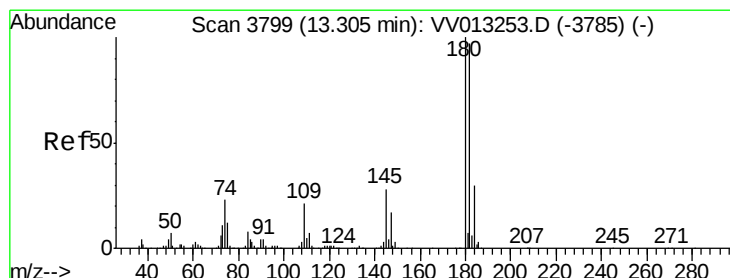
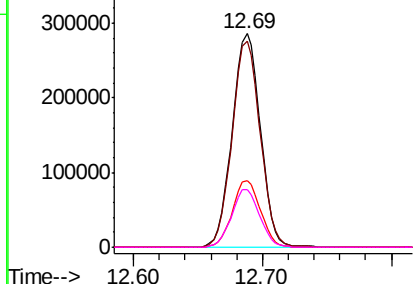
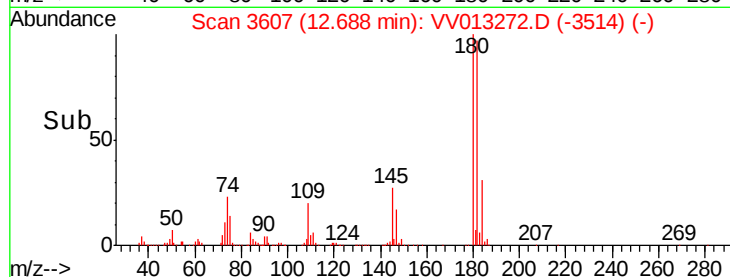
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

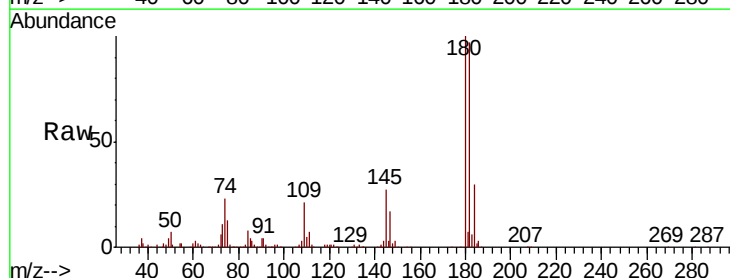
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.525 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013272.D
 Acq: 22 Oct 2019 11:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.7	115.1
145	27.4	22.1	33.1

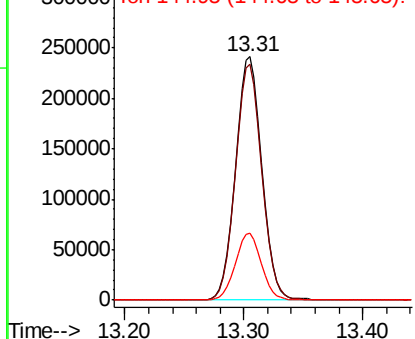
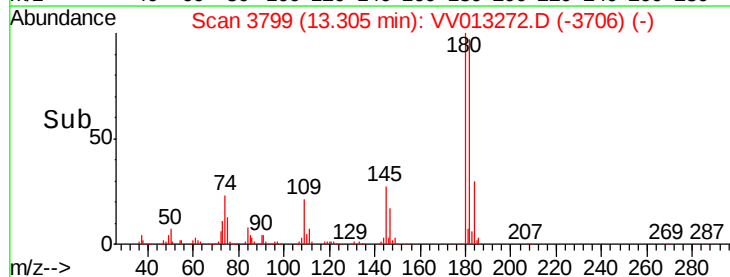


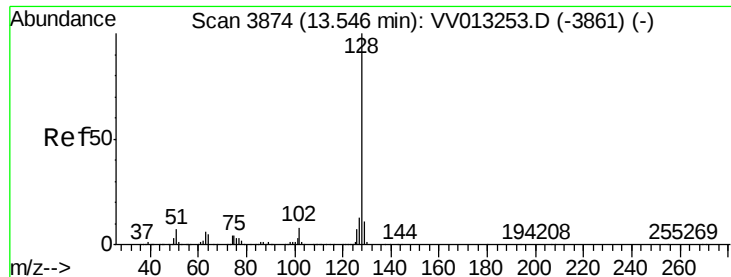
Abundance

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: 4.380 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013272.D

Acq: 22 Oct 2019 11:46

Instrument :

MSVOA_V

ClientSampleId :

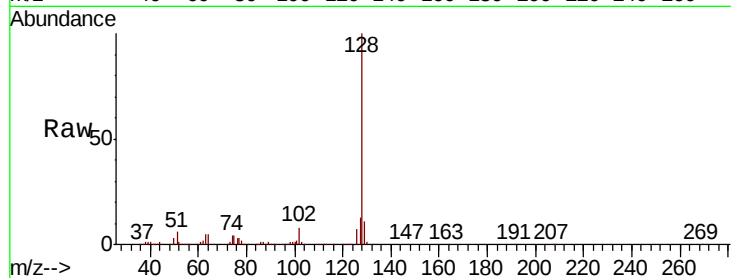
Tot Ion:128 Resp: 492860

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

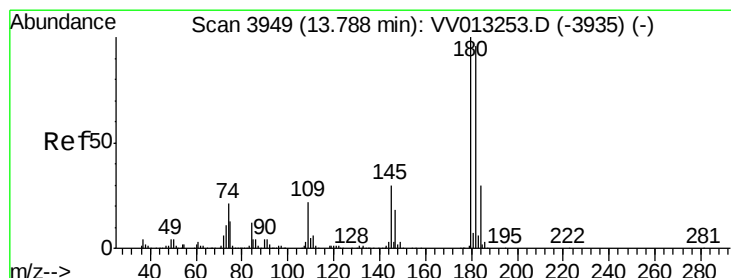
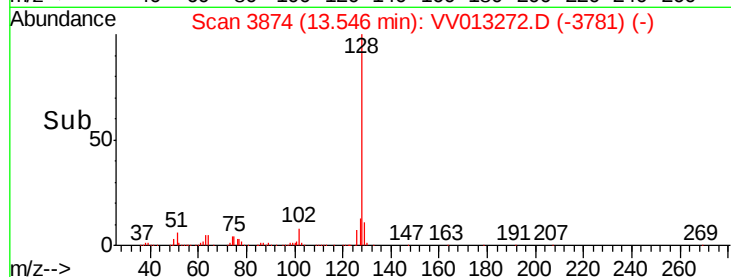
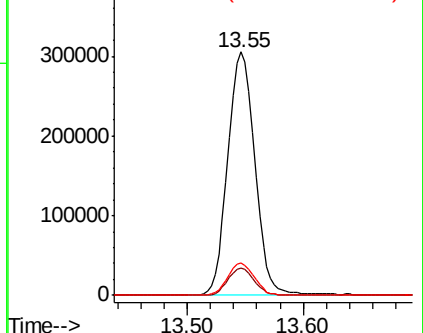
127 13.1 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.632 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013272.D

Acq: 22 Oct 2019 11:46

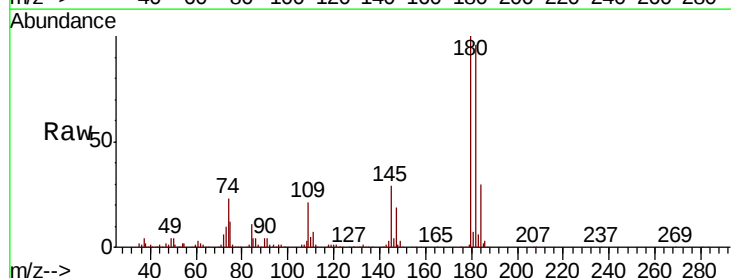
Tgt Ion:180 Resp: 350871

Ion Ratio Lower Upper

180 100

182 97.1 76.5 114.7

145 28.8 23.5 35.3



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

