

Data File : VV013753.D
Acq On : 22 Nov 2019 23:00
Operator : SY/MD
Sample : K5941-20
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
B0AD8

Quant Time: Nov 23 01:42:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 23 01:35:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	307384	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	310832	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	143436	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	96492	5.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.40%
7) Chloroethane-d5	1.58	69	88622	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.80%
11) 1,1-Dichloroethene-d2	2.14	63	575075	17.96	ug/L	0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	359.20%#
20) 2-Butanone-d5	3.92	46	285945	72.30	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	144.60%#
24) Chloroform-d	4.40	84	204259	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
26) 1,2-Dichloroethane-d4	5.08	65	107929	5.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.20%
32) Benzene-d6	5.10	84	394599	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.11	67	124395	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.36	98	339929	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	7.66	79	37112	3.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.80%
46) 2-Hexanone-d5	8.13	63	218867	63.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.58%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	102776	6.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	124.00%#
64) 1,2-Dichlorobenzene-d4	11.67	152	145051	5.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.60%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	5395	0.300 ug/L #	82
5) Vinyl chloride	1.32	62	294333	16.028 ug/L #	66
8) Chloroethane	1.60	64	90677	8.194 ug/L #	76
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3616	0.213 ug/L #	22
12) 1,1-Dichloroethene	2.14	96	865620	58.572 ug/L #	68
14) Carbon disulfide	2.32	76	10190	0.299 ug/L #	88
16) Methylene chloride	2.53	84	4416	0.218 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	200621	12.021 ug/L	99
19) 1,1-Dichloroethane	3.23	63	359643	10.795 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	62638	3.201 ug/L	97
27) 1,2-Dichloroethane	5.18	62	52739	2.609 ug/L	98
33) Benzene	5.15	78	7397	0.097 ug/L	100
34) Trichloroethene	5.96	95	214094	10.179 ug/L	97
35) Methylcyclohexane	6.12	83	30299	1.080 ug/L #	20
37) 1,2-Dichloropropane	6.22	63	5199	0.265 ug/L #	95
45) 1,1,2-Trichloroethane	7.88	97	10147	0.727 ug/L	94
48) 2-Hexanone	8.18	43	4259	0.522 ug/L #	42

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112219\
Quantitation Report (Not Reviewed)

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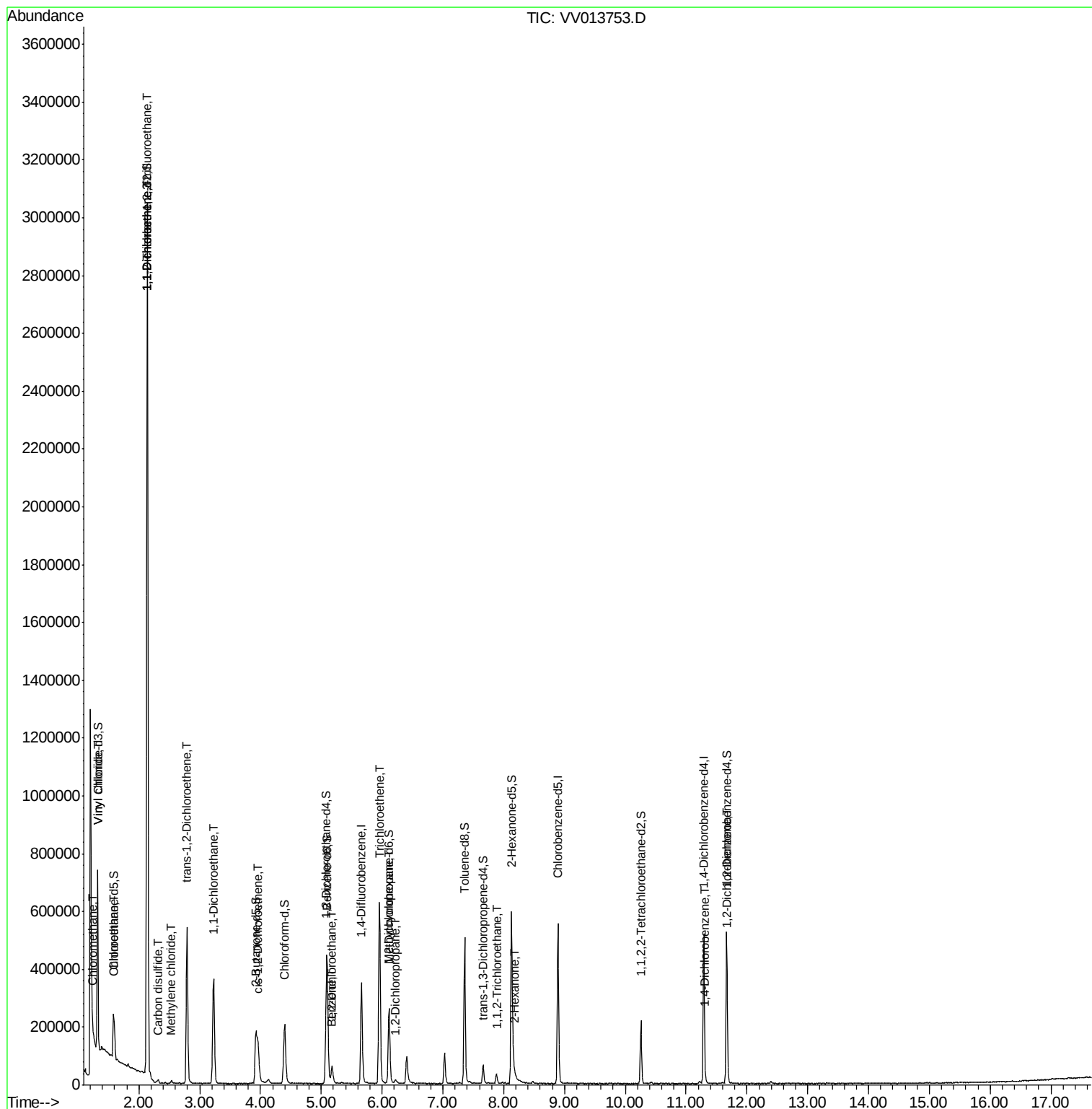
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,4-Dichlorobenzene	11.32	146	4070	0.096	ug/L	90
65) 1,2-Dichlorobenzene	11.68	146	5124	0.132	ug/L	92

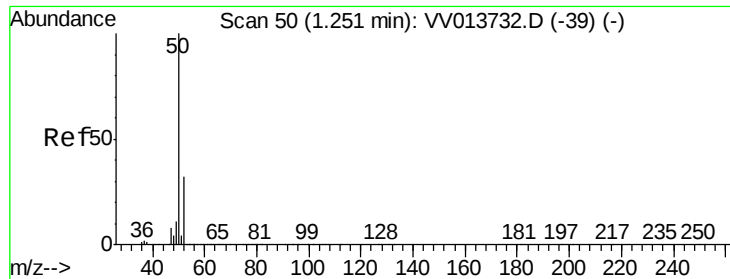
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.300 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV013753.D

Acq: 22 Nov 2019 23:00

Instrument :

MSVOA_V

ClientSampleId :

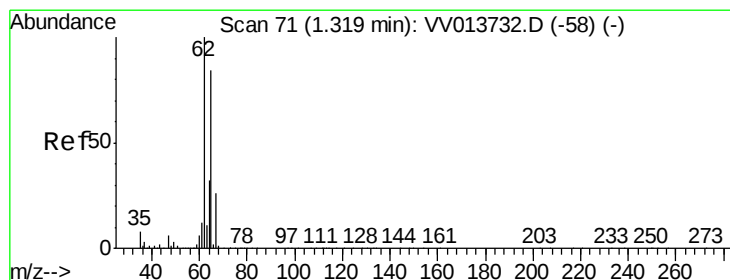
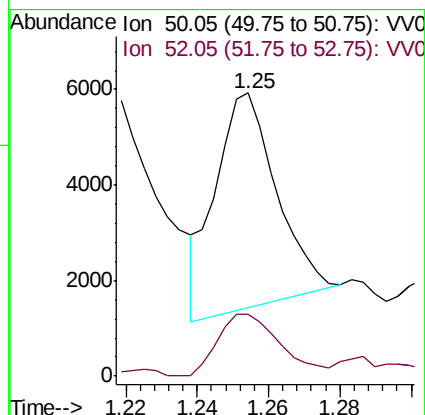
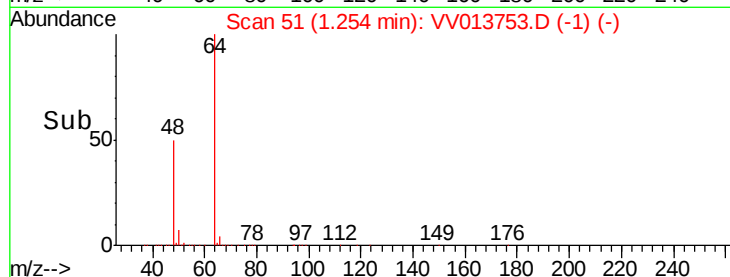
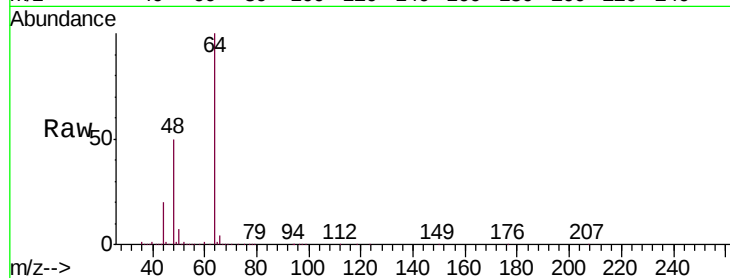
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Tgt Ion: 50 Resp: 5395

Ion Ratio Lower Upper

50 100

52 22.0 22.5 41.7#



#5

Vinyl chloride

Concen: 16.028 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013753.D

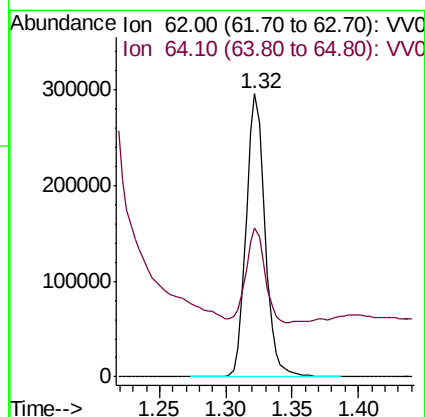
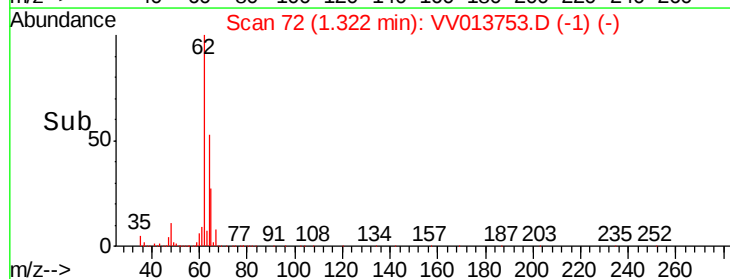
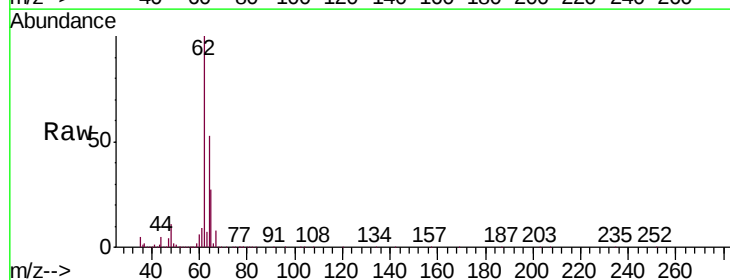
Acq: 22 Nov 2019 23:00

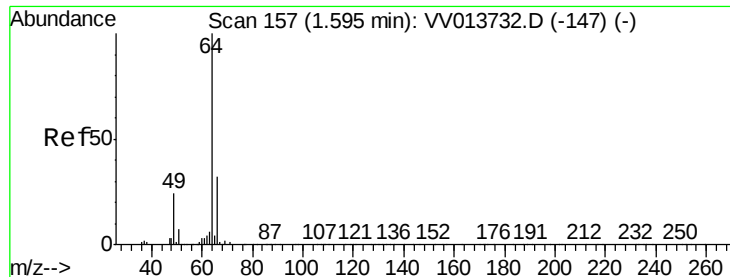
Tgt Ion: 62 Resp: 294333

Ion Ratio Lower Upper

62 100

64 52.7 23.3 43.3#





#8

Chloroethane

Concen: 8.194 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013753.D

Acq: 22 Nov 2019 23:00

Instrument :

MSVOA_V

ClientSampleId :

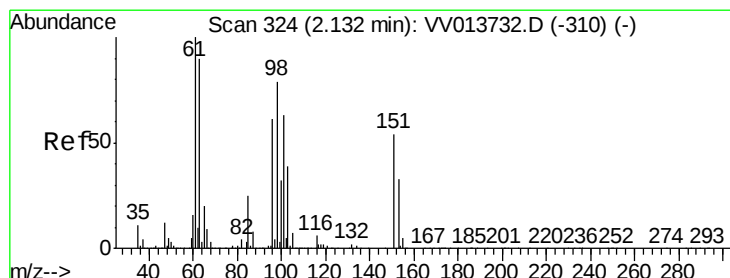
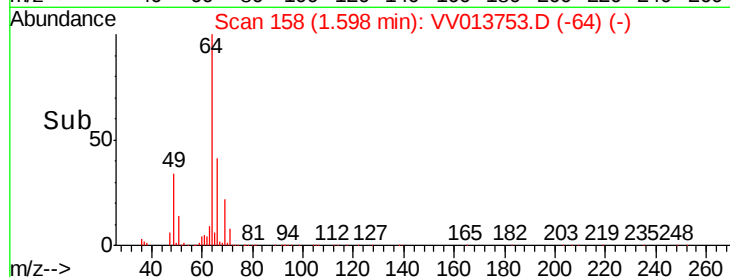
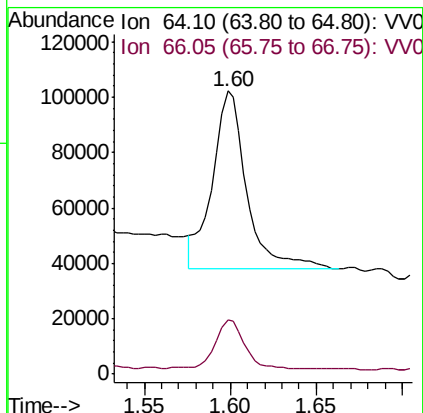
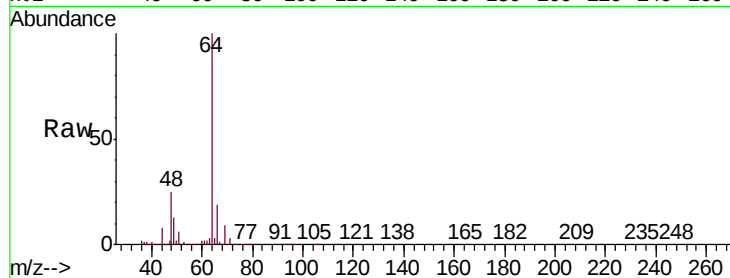
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Tgt Ion: 64 Resp: 90677

Ion Ratio Lower Upper

64 100

66 19.0 22.6 42.0#



#10

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

Concen: 0.213 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VV013753.D

Acq: 22 Nov 2019 23:00

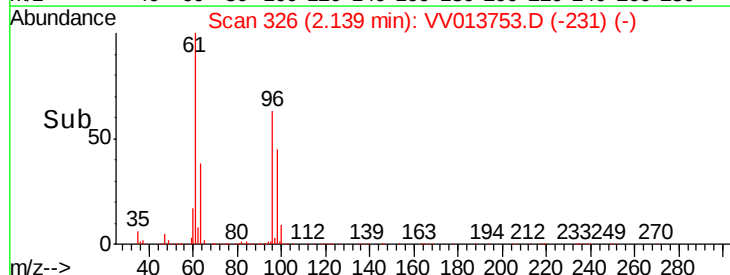
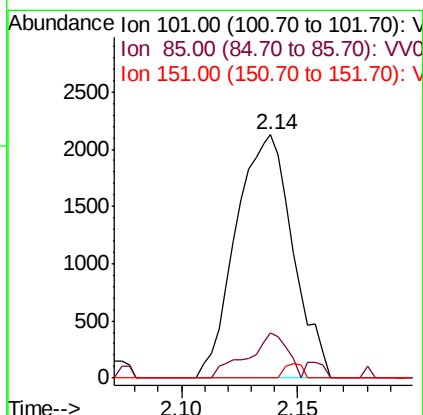
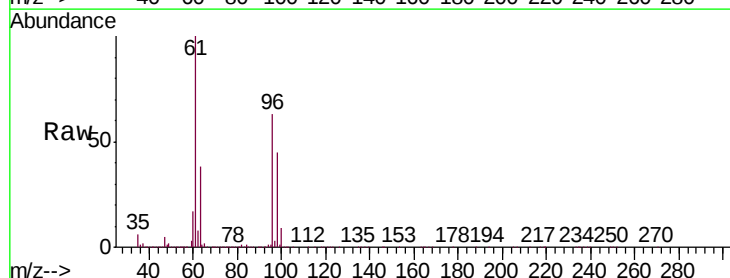
Tgt Ion: 101 Resp: 3616

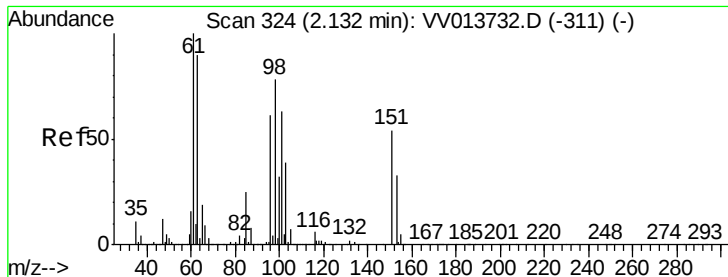
Ion Ratio Lower Upper

101 100

85 13.1 33.4 50.0#

151 0.0 69.4 104.0#





#12

1,1-Dichloroethene

Concen: 58.572 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VV013753.D

Acq: 22 Nov 2019 23:00

Instrument :

MSVOA_V

ClientSampled :

B0AD8

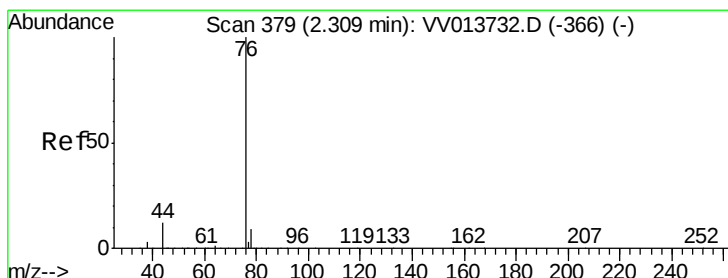
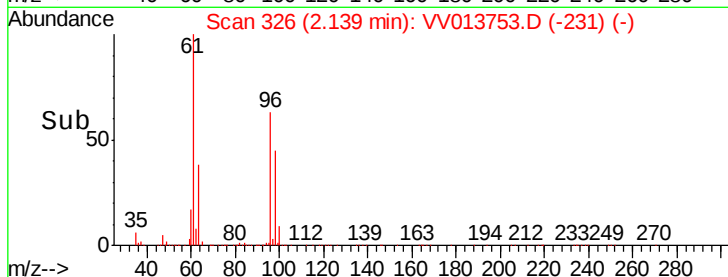
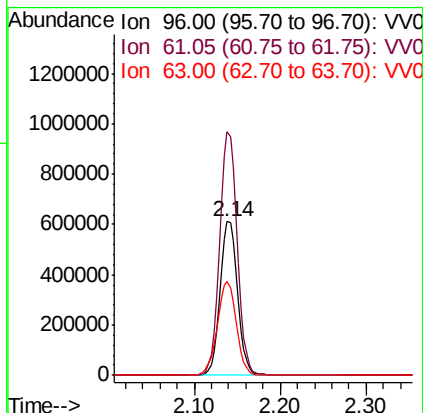
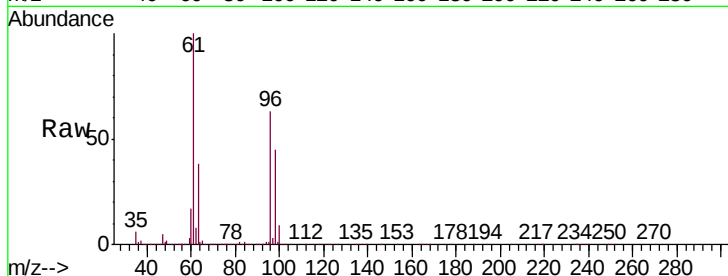
Tgt Ion: 96 Resp: 865620

Ion Ratio Lower Upper

96 100

61 158.5 116.3 215.9

63 60.8 96.7 179.7#



#14

Carbon disulfide

Concen: 0.299 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV013753.D

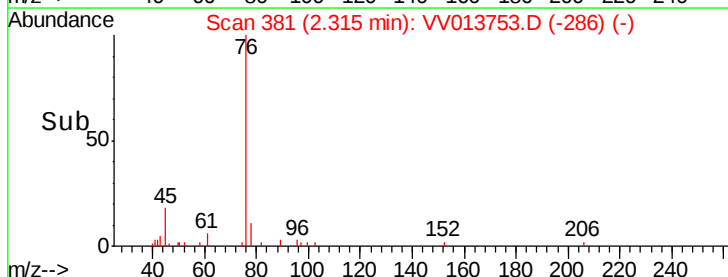
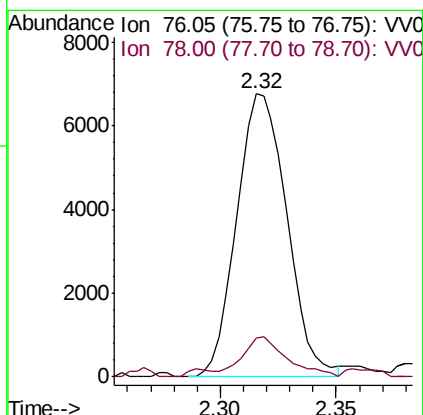
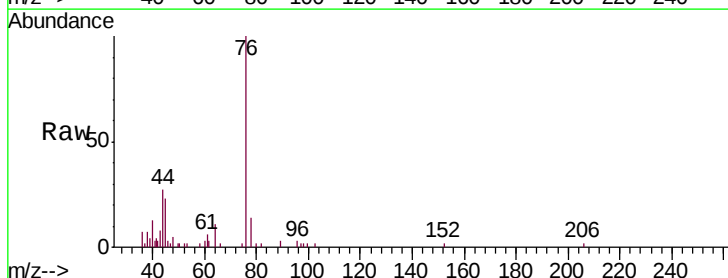
Acq: 22 Nov 2019 23:00

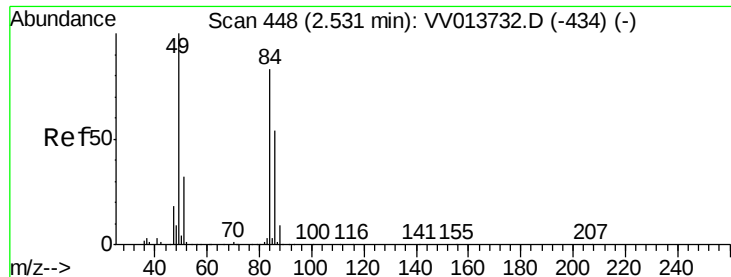
Tgt Ion: 76 Resp: 10190

Ion Ratio Lower Upper

76 100

78 13.7 7.5 11.3#

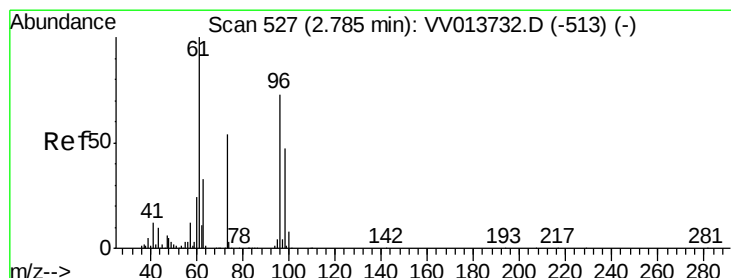
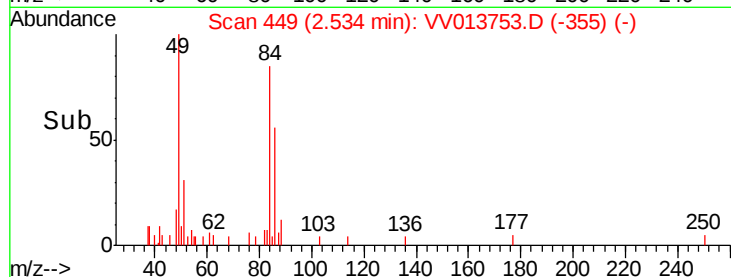
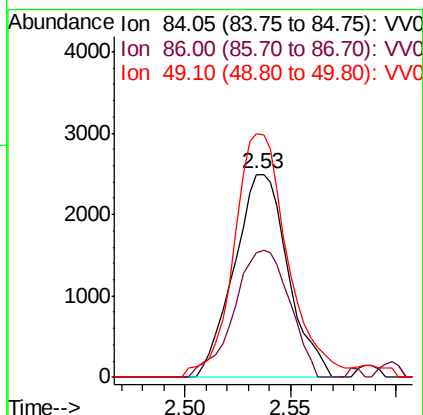
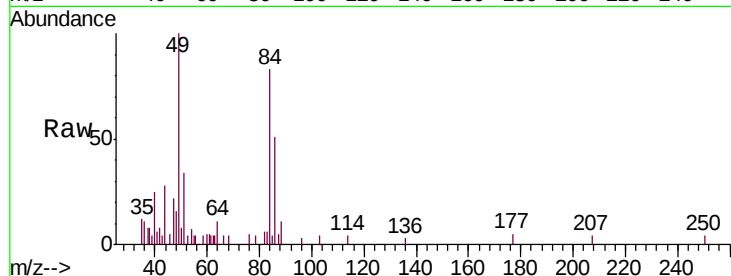




#16
Methylene chloride
Concen: 0.218 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013753.D
Acq: 22 Nov 2019 23:00

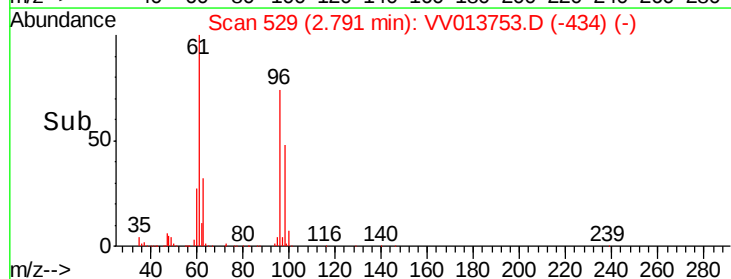
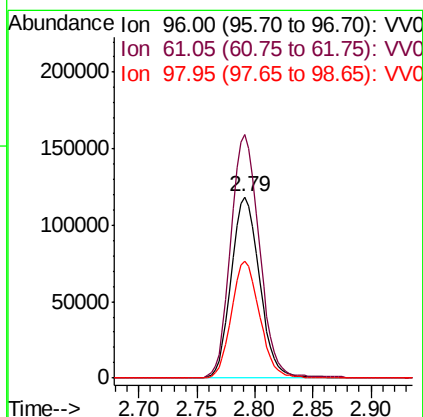
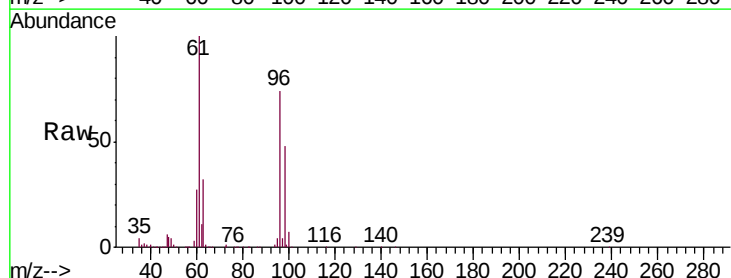
Instrument :
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ClientSampleId :
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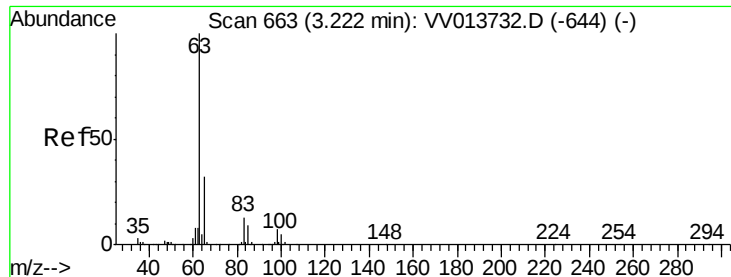
Tgt Ion: 84 Resp: 4416
Ion Ratio Lower Upper
84 100
86 61.4 44.0 81.6
49 119.9 81.5 151.5



#18
trans-1,2-Dichloroethene
Concen: 12.021 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.01 min
Lab File: VV013753.D
Acq: 22 Nov 2019 23:00

Tgt Ion: 96 Resp: 200621
Ion Ratio Lower Upper
96 100
61 134.5 95.1 176.7
98 64.8 46.5 86.3

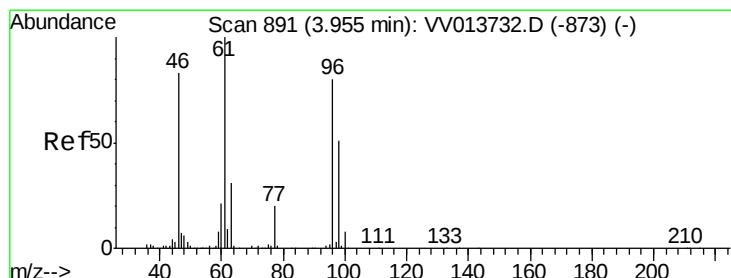
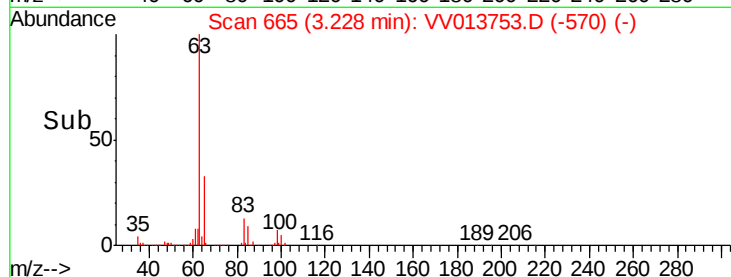
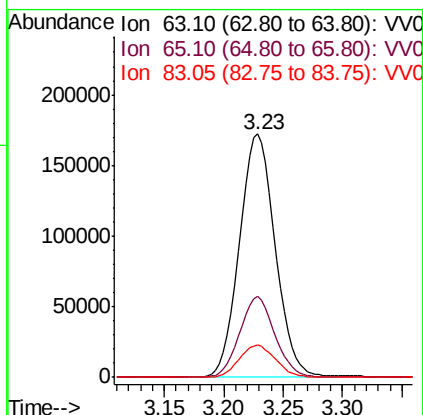
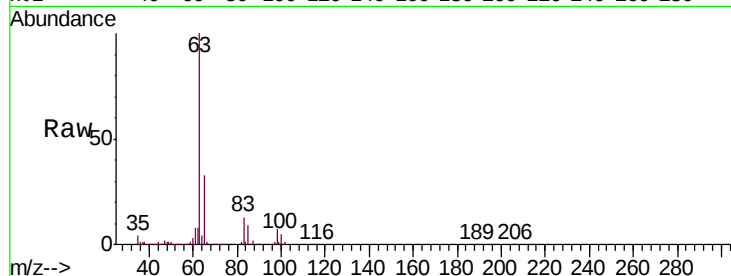




#19
 1,1-Dichloroethane
 Concen: 10.795 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.01 min
 Lab File: VV013753.D
 Acq: 22 Nov 2019 23:00

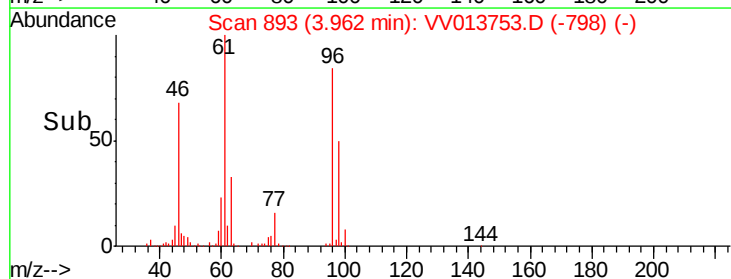
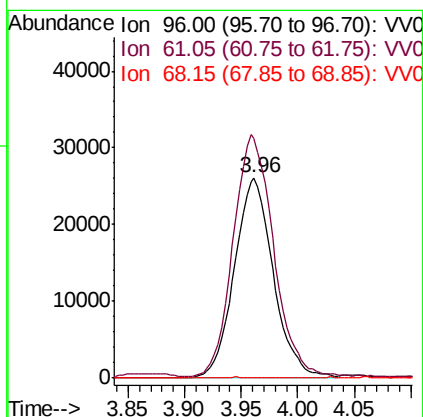
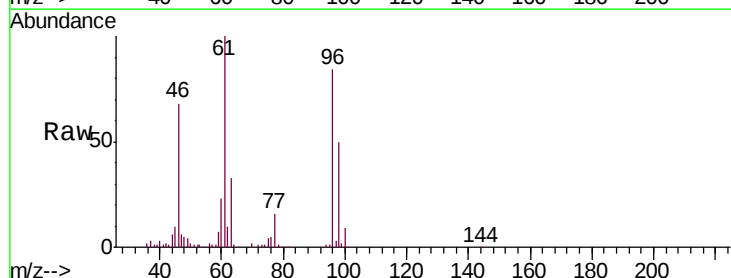
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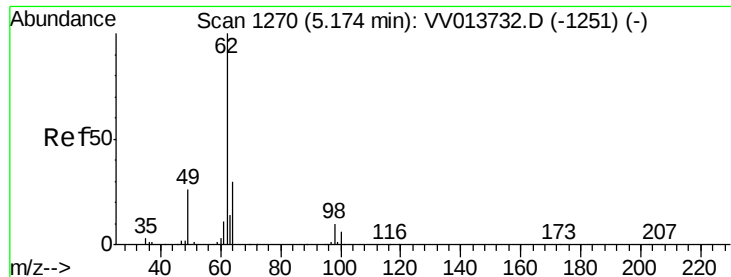
Tgt Ion: 63 Resp: 359643
 Ion Ratio Lower Upper
 63 100
 65 33.3 22.7 42.1
 83 13.3 9.2 17.2



#22
 cis-1,2-Dichloroethene
 Concen: 3.201 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.01 min
 Lab File: VV013753.D
 Acq: 22 Nov 2019 23:00

Tgt Ion: 96 Resp: 62638
 Ion Ratio Lower Upper
 96 100
 61 119.7 86.1 159.9
 68 0.0 0.0 0.0

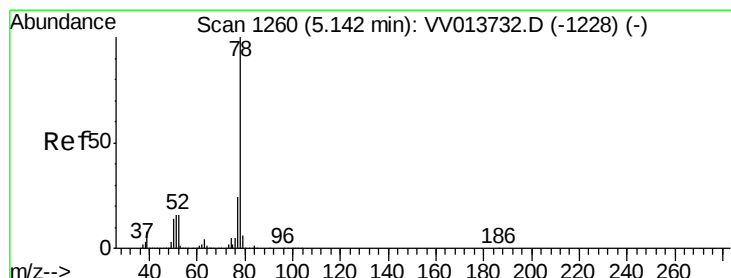
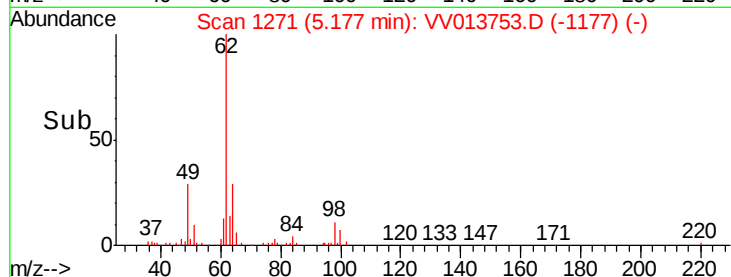
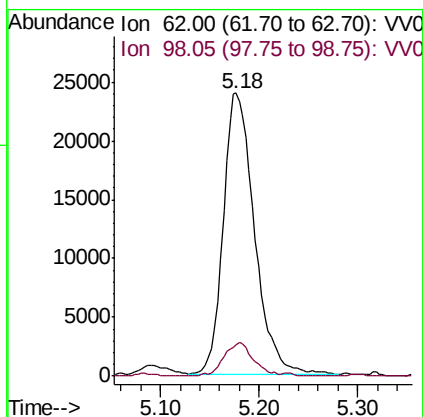
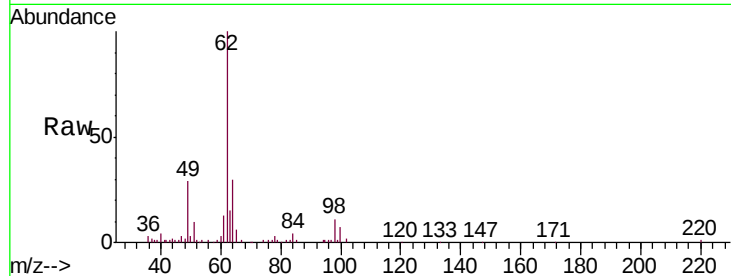




#27
 1,2-Dichloroethane
 Concen: 2.609 ug/L
 RT: 5.18 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VV013753.D
 Acq: 22 Nov 2019 23:00

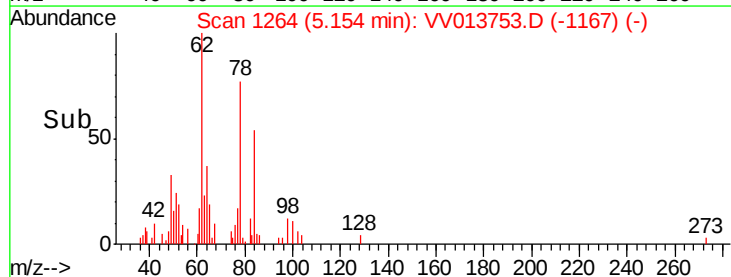
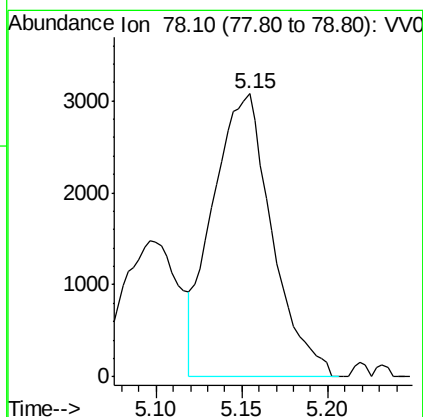
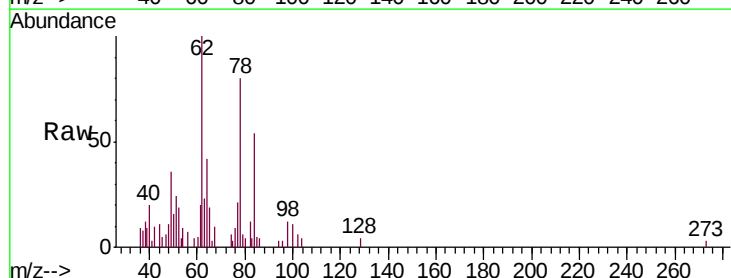
Instrument :
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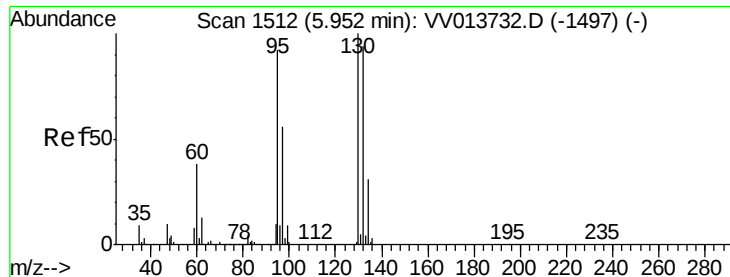
Tgt Ion: 62 Resp: 52739
 Ion Ratio Lower Upper
 62 100
 98 10.9 8.2 12.2



#33
 Benzene
 Concen: 0.097 ug/L
 RT: 5.15 min Scan# 1264
 Delta R.T. 0.01 min
 Lab File: VV013753.D
 Acq: 22 Nov 2019 23:00

Tgt Ion: 78 Resp: 7397

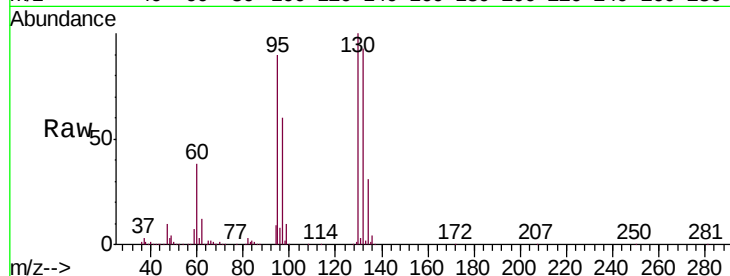




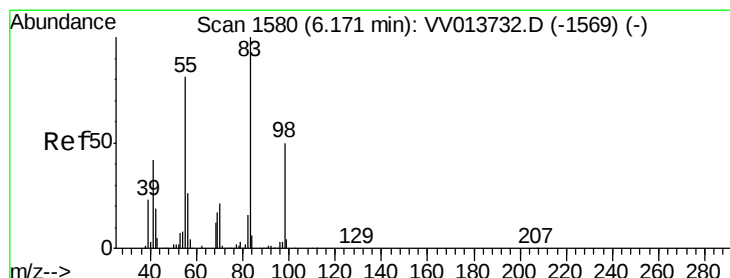
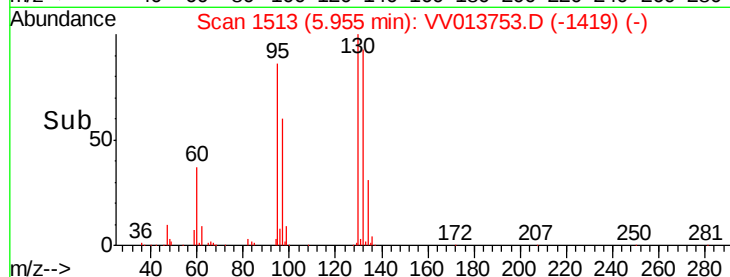
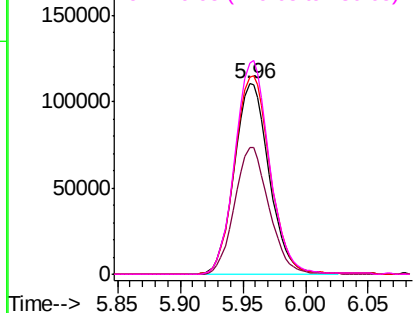
#34
 Trichloroethene
 Concen: 10.179 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV013753.D
 Acq: 22 Nov 2019 23:00

Instrument :
 MSVOA_V
 ClientSampleId :
 B0AD8

Tgt Ion: 95 Resp: 214094
 Ion Ratio Lower Upper
 95 100
 97 66.9 45.6 84.8
 132 103.6 70.5 130.9
 130 111.3 75.9 140.9

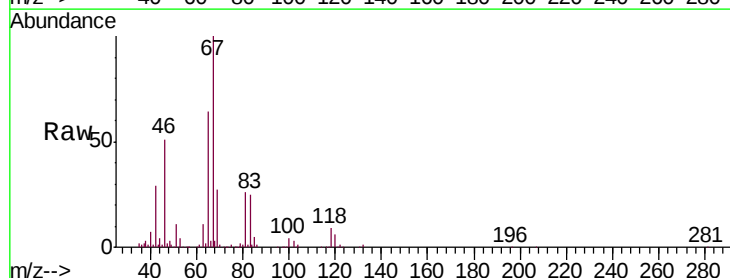


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

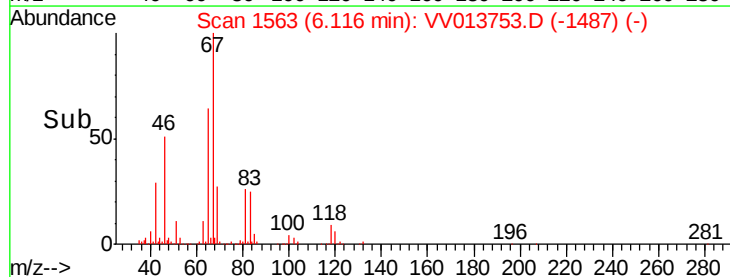
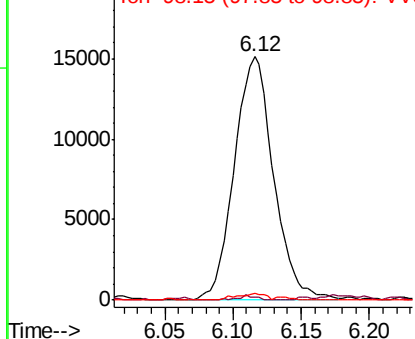


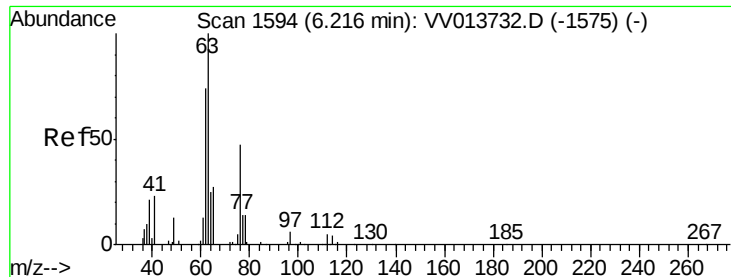
#35
 Methylcyclohexane
 Concen: 1.080 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.05 min
 Lab File: VV013753.D
 Acq: 22 Nov 2019 23:00

Tgt Ion: 83 Resp: 30299
 Ion Ratio Lower Upper
 83 100
 55 0.9 60.3 90.5#
 98 1.9 38.1 57.1#



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.265 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV013753.D

Acq: 22 Nov 2019 23:00

Instrument :

MSVOA_V

ClientSampleId :

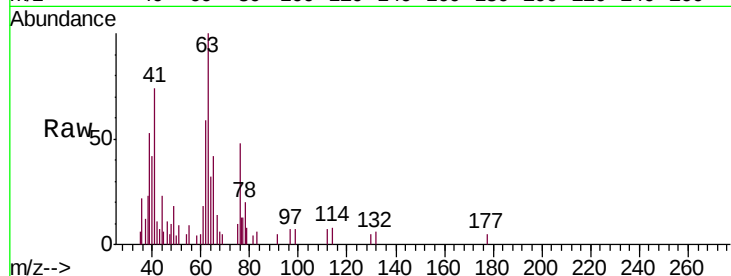
B0AD8

Tgt Ion: 63 Resp: 5199

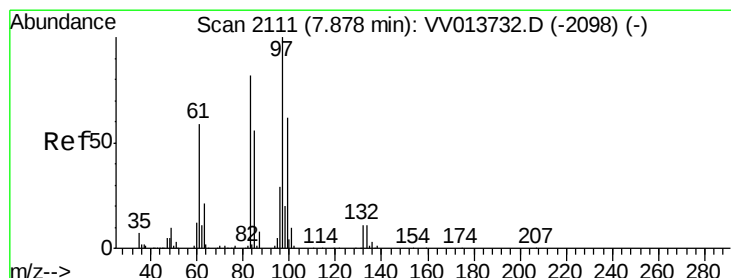
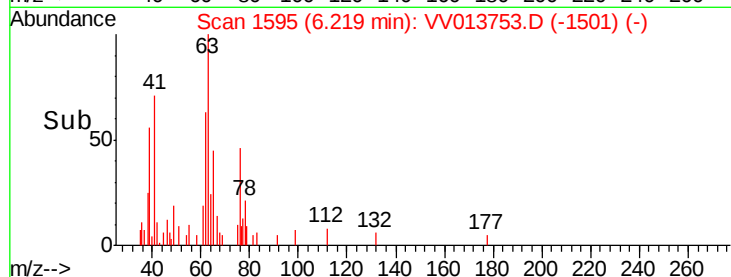
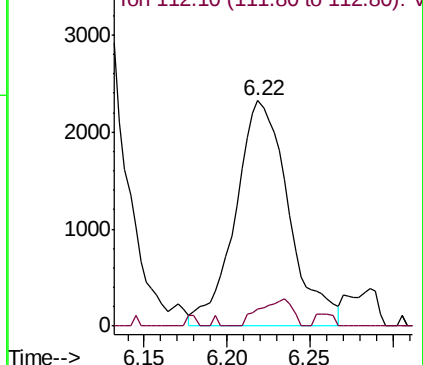
Ion Ratio Lower Upper

63 100

112 7.2 4.4 6.6#



Abundance Ion 63.10 (62.80 to 63.80): VV013753.D (-1595) (-)



#45

1,1,2-Trichloroethane

Concen: 0.727 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV013753.D

Acq: 22 Nov 2019 23:00

Tgt Ion: 97 Resp: 10147

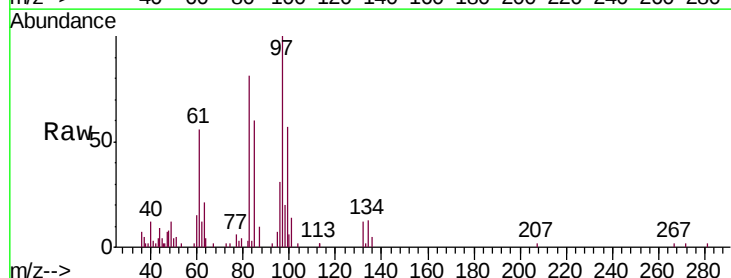
Ion Ratio Lower Upper

97 100

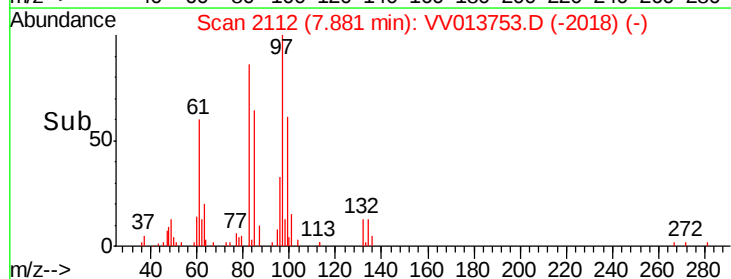
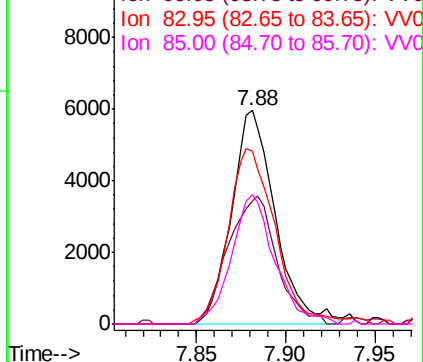
99 57.5 44.2 82.0

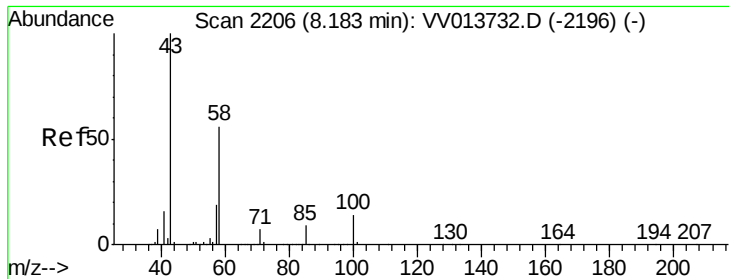
83 81.0 59.7 110.9

85 60.3 38.3 71.1



Abundance Ion 96.95 (96.65 to 97.65): VV013753.D (-2112) (-)

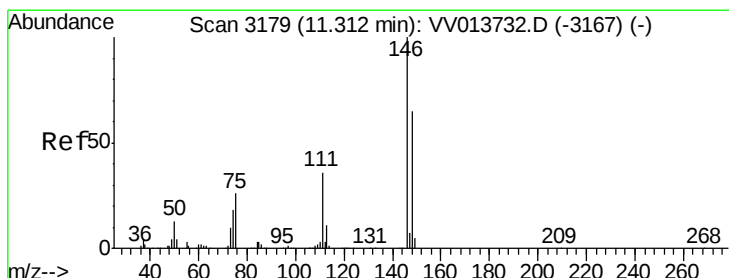
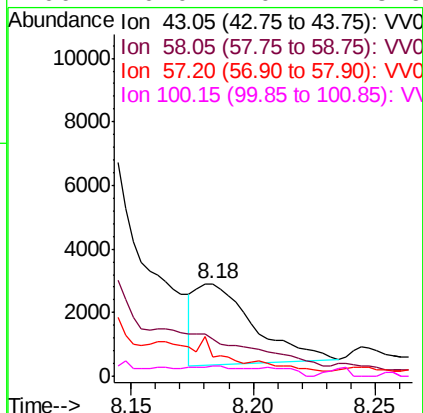
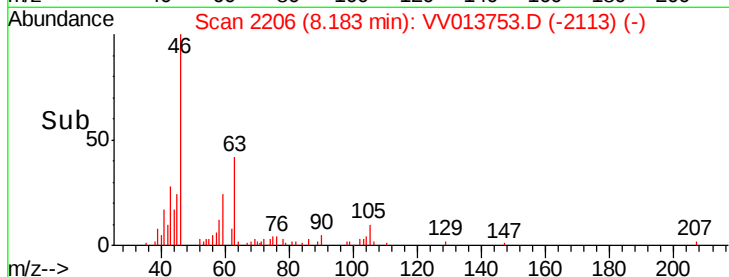
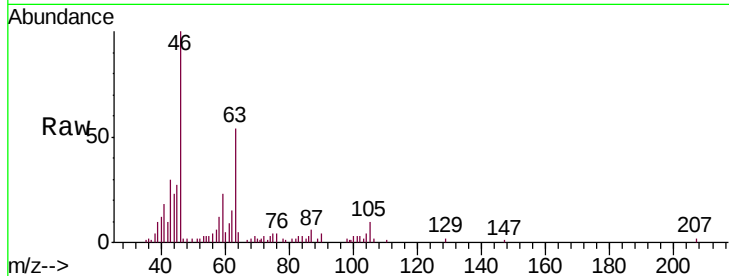




#48
2-Hexanone
Concen: 0.522 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV013753.D
Acq: 22 Nov 2019 23:00

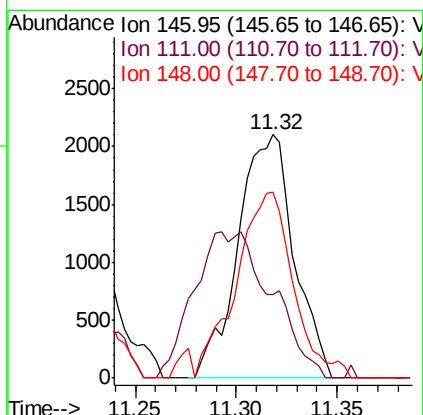
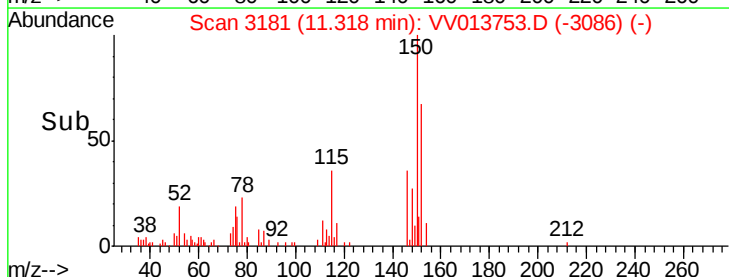
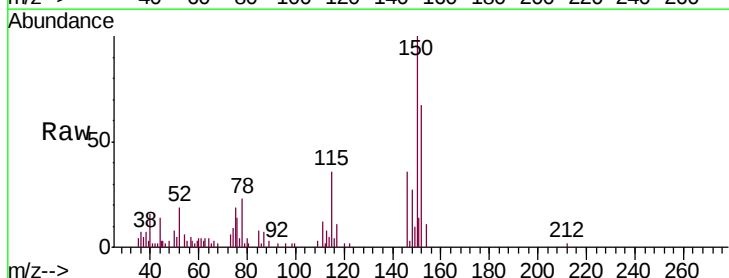
Instrument :
MSVOA_V
ClientSampleId :
B0AD8

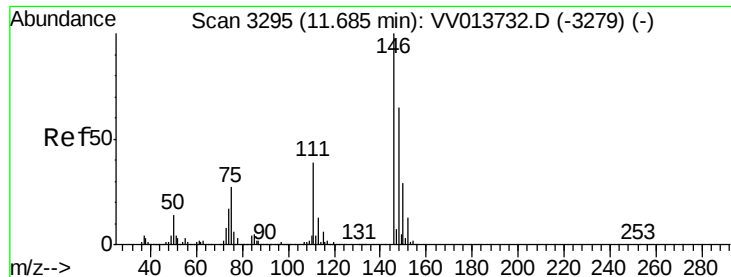
Tgt Ion:	43	Resp:	4259
Ion	Ratio	Lower	Upper
43	100		
58	0.0	43.2	64.8#
57	0.0	15.4	23.2#
100	10.0	10.4	15.6#



#63
1,4-Dichlorobenzene
Concen: 0.096 ug/L
RT: 11.32 min Scan# 3181
Delta R.T. 0.01 min
Lab File: VV013753.D
Acq: 22 Nov 2019 23:00

Tgt Ion:	146	Resp:	4070
Ion	Ratio	Lower	Upper
146	100		
111	34.3	25.0	46.4
148	76.5	45.4	84.2





#65
 1,2-Dichlorobenzene
 Concen: 0.132 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV013753.D
 Acq: 22 Nov 2019 23:00

Instrument :
 MSVOA_V
 ClientSampleId :
 B0AD8

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	31.3	46.9
148	55.7	52.2	78.2

