

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL010220\
 Data File : VL034551.D
 Acq On : 2 Jan 2020 18:00
 Operator : SY/AP
 Sample : K6473-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 50-1

Manual Integrations
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Quant Time: Jan 03 05:50:28 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 3

QLast Update : Mon Dec 30 14:58:50 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	914276	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1833806	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	1762748	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1495224	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	41341	0.287	ppbv	95
3) Chlorodifluoromethane	2.96	51	33583m	0.308	ppbv	
4) Chloromethane	3.11	50	31157	0.482	ppbv	92
9) Propene	2.99	41	50687m	1.207	ppbv	
11) Trichlorofluoromethane	3.93	101	43784	0.262	ppbv	87
13) Ethanol	3.58	45	151411m	12.993	ppbv	
15) Acetone	3.83	43	447745	3.356	ppbv	99
19) Isopropyl Alcohol	3.96	45	67314	0.779	ppbv #	89
20) Methylene Chloride	4.33	84	33346	0.635	ppbv	95
26) Hexane	5.68	57	40824	0.465	ppbv #	38
34) 2-Butanone	5.25	43	40371	0.308	ppbv	97
35) Carbon Tetrachloride	7.03	117	12357m	0.074	ppbv	
36) Benzene	6.90	78	26964	0.169	ppbv #	88
38) Trichloroethene	7.86	130	7936m	0.123	ppbv	
52) Tetrachloroethene	11.26	164	3235m	0.052	ppbv	
53) Toluene	9.84	91	100556	0.573	ppbv	99

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

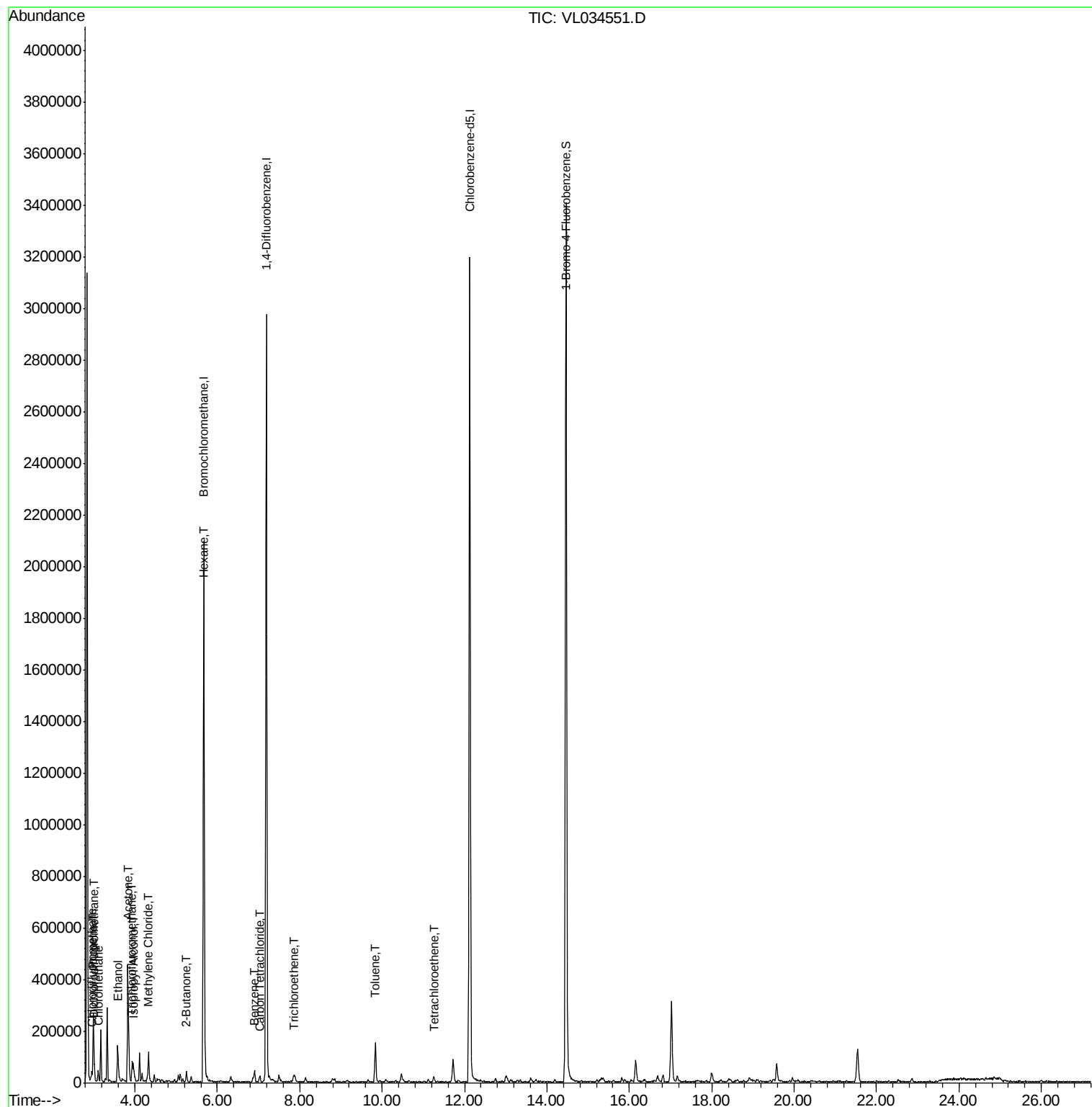
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL010220\
Data File : VL034551.D
Acq On : 2 Jan 2020 18:00
Operator : SY/AP
Sample : K6473-03
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

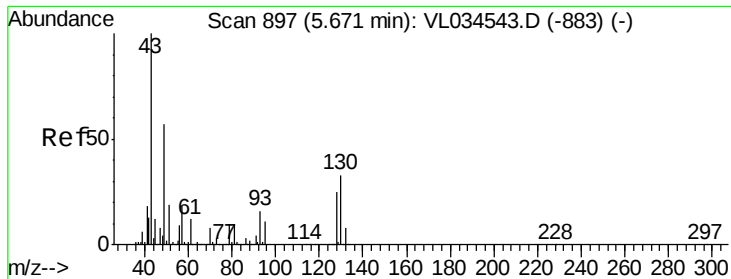
Instrument :
MSVOA_L
ClientSampleId :
50-1

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Quant Time: Jan 03 05:50:28 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 30 14:58:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL034551.D

Acq: 2 Jan 2020 18:00

Instrument :

MSVOA_L

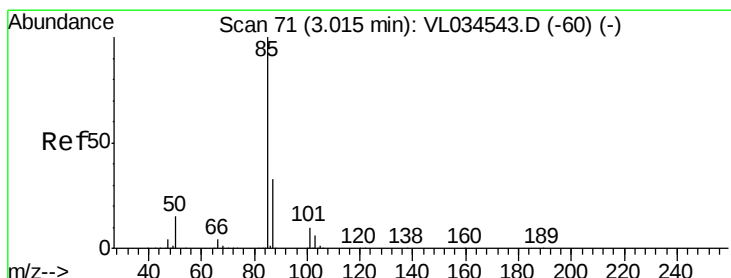
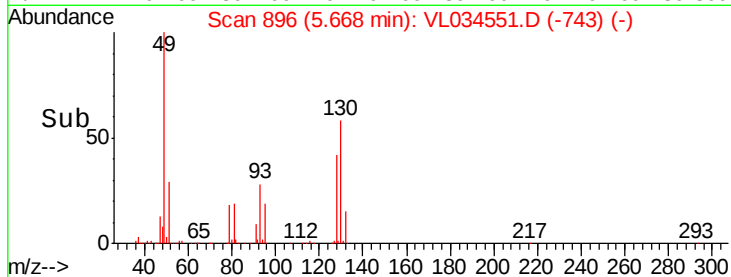
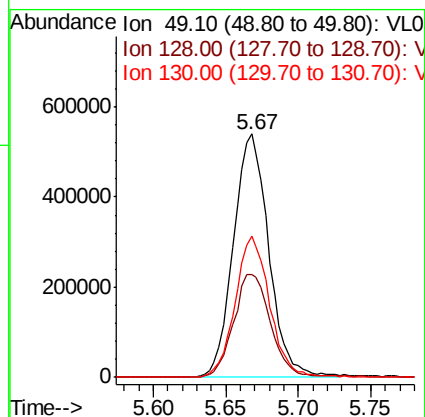
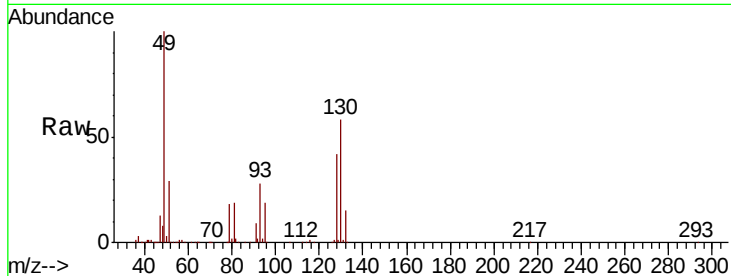
ClientSampled :

50-1

Tot Ion:	49	Resp:	914276
Ion	Ratio	Lower	Upper
49	100		
128	44.8	22.4	67.2
130	56.9	28.3	85.0

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#2

Dichlorodifluoromethane

Concen: 0.287 ppbv

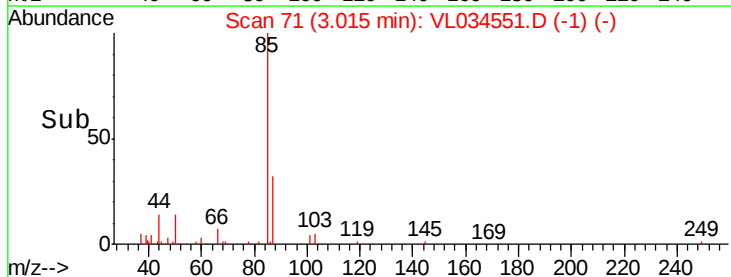
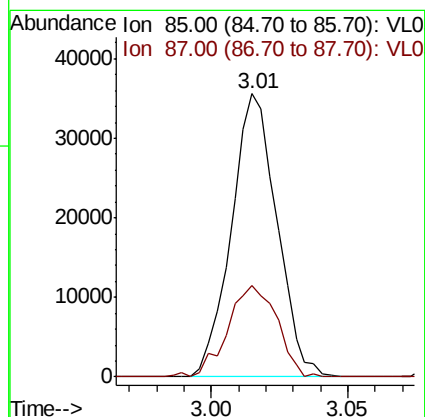
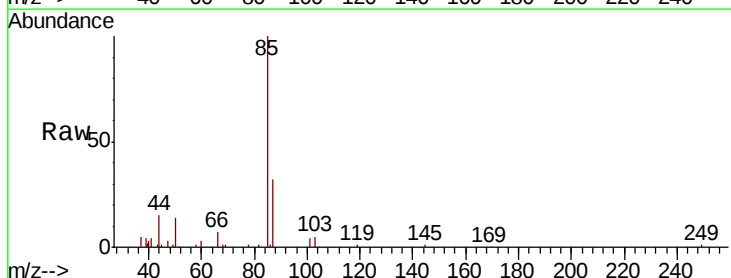
RT: 3.01 min Scan# 71

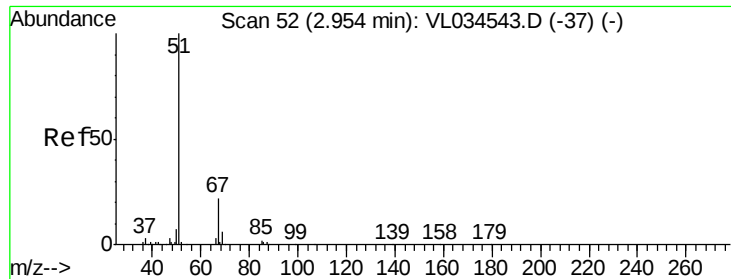
Delta R.T. -0.00 min

Lab File: VL034551.D

Acq: 2 Jan 2020 18:00

Tgt Ion:	85	Resp:	41341
Ion	Ratio	Lower	Upper
85	100		
87	32.1	27.9	41.9





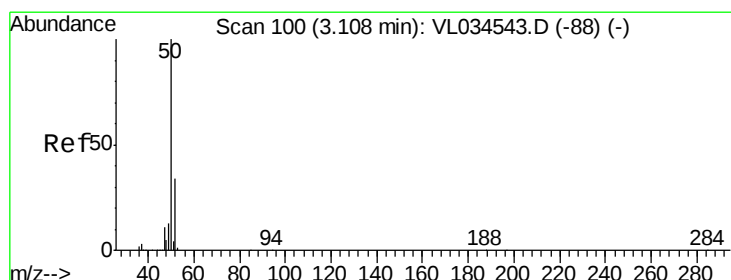
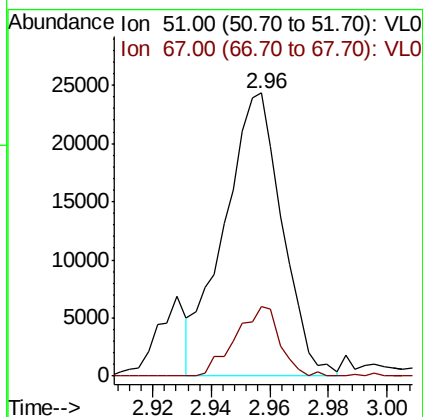
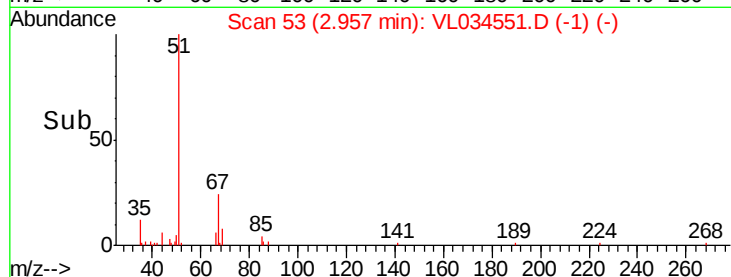
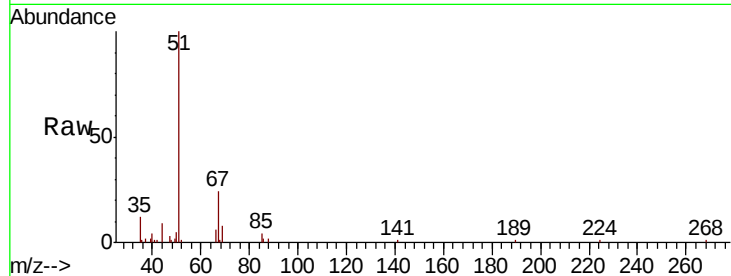
#3
Chlorodifluoromethane
Concen: 0.308 ppbv
RT: 2.96 min Scan# 53
Delta R.T. 0.00 min
Lab File: VL034551.D
Acq: 2 Jan 2020 18:00

Instrument :
MSVOA_L
ClientSampled :
50-1

Tot Ion	Ratio	Lower	Upper
51	100		
67	18.7	16.8	25.2

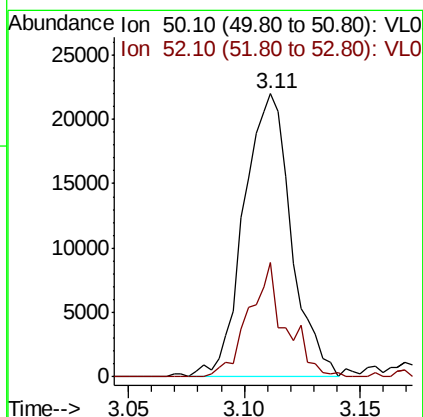
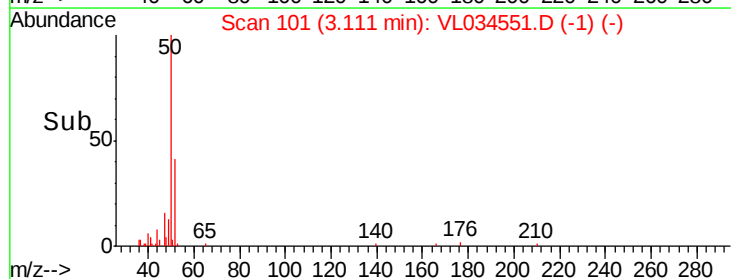
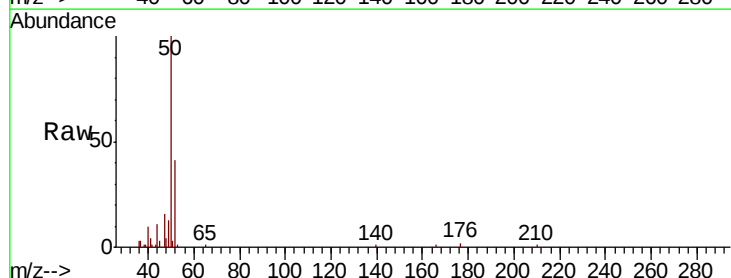
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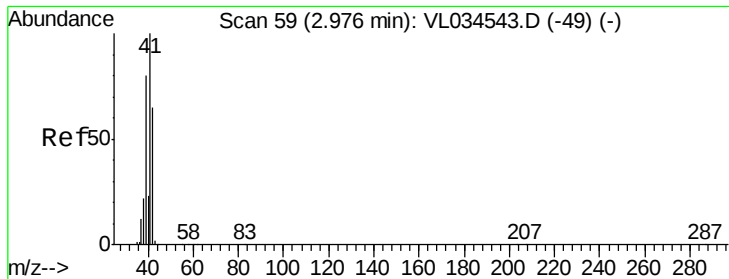
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#4
Chloromethane
Concen: 0.482 ppbv
RT: 3.11 min Scan# 101
Delta R.T. 0.00 min
Lab File: VL034551.D
Acq: 2 Jan 2020 18:00

Tgt Ion	Ratio	Lower	Upper
50	100		
52	39.4	27.6	41.4





#9

Propene

Concen: 1.207 ppbv m

RT: 2.99 min Scan# 62

Delta R.T. 0.01 min

Lab File: VL034551.D

Acq: 2 Jan 2020 18:00

Instrument :

MSVOA_L

ClientSampled :

50-1

Tot Ion: 41 Resp: 50687

Ion Ratio Lower Upper

41 100

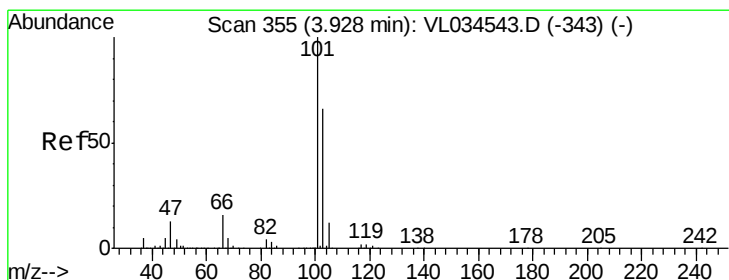
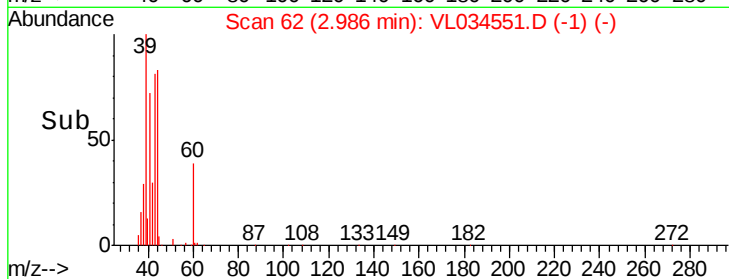
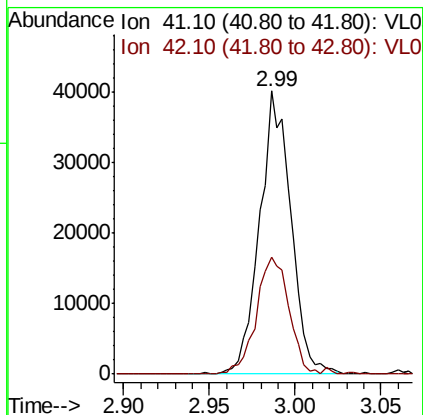
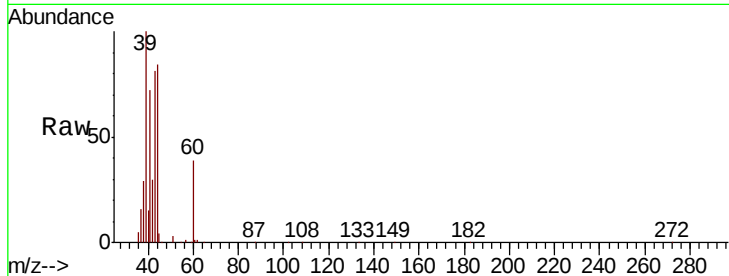
42 62.1 55.8 83.6

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#11

Trichlorofluoromethane

Concen: 0.262 ppbv

RT: 3.93 min Scan# 355

Delta R.T. -0.00 min

Lab File: VL034551.D

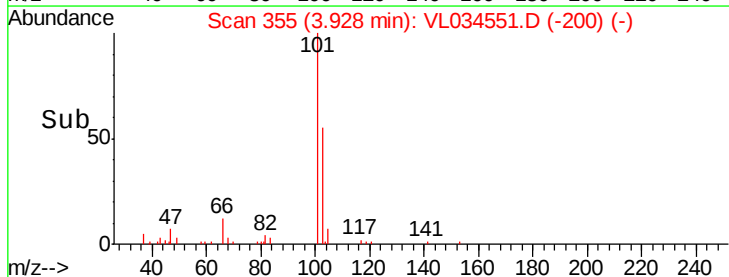
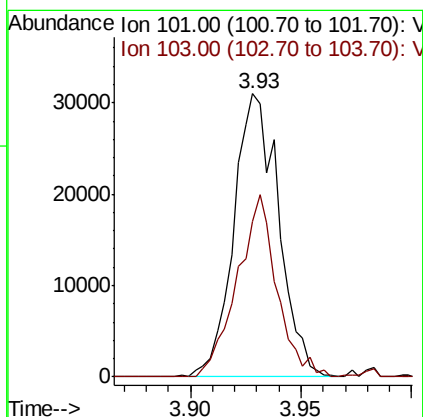
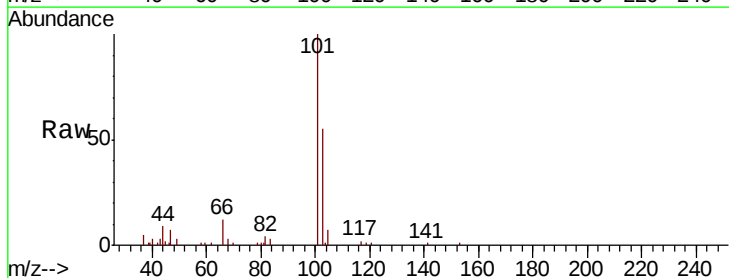
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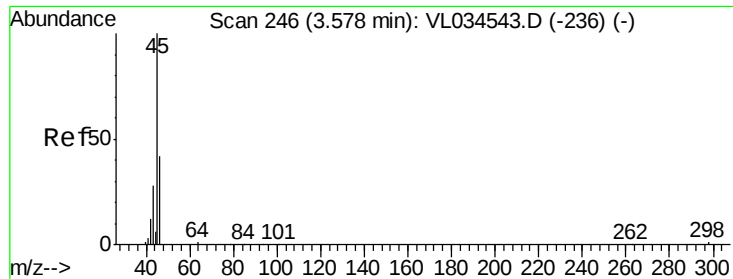
Tgt Ion: 101 Resp: 43784

Ion Ratio Lower Upper

101 100

103 54.7 52.1 78.1





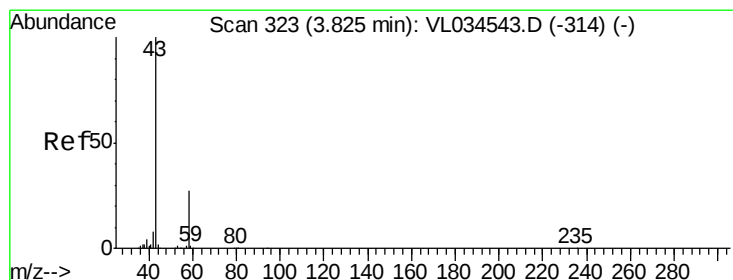
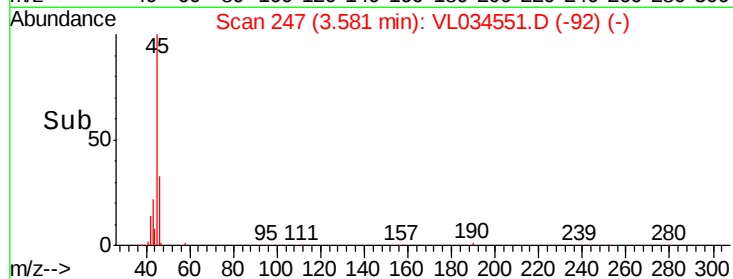
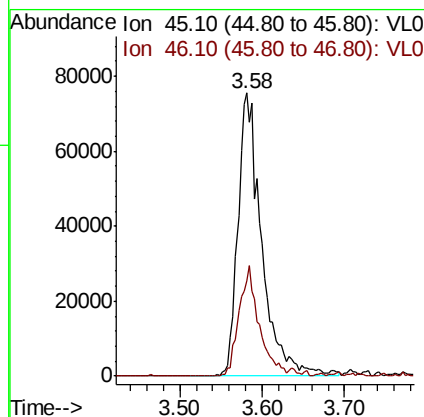
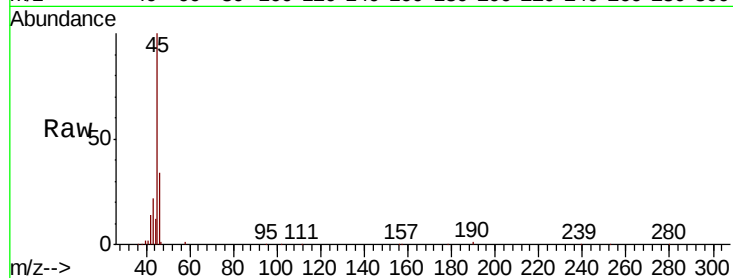
#13
Ethanol
Concen: 12.993 ppbv m
RT: 3.58 min Scan# 247
Delta R.T. -0.00 min
Lab File: VL034551.D
Acq: 2 Jan 2020 18:00

Instrument :
MSVOA_L
ClientSampled :
50-1

Tot Ion: 45 Resp: 151411
Ion Ratio Lower Upper
45 100
46 0.0 14.9 59.7#

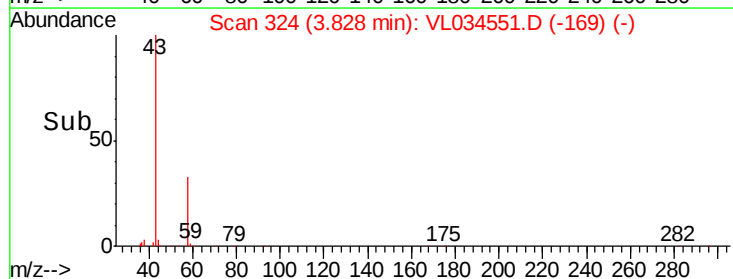
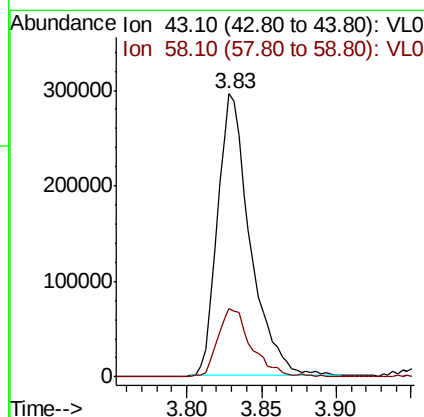
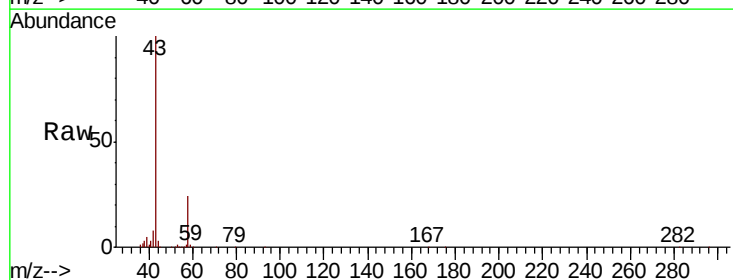
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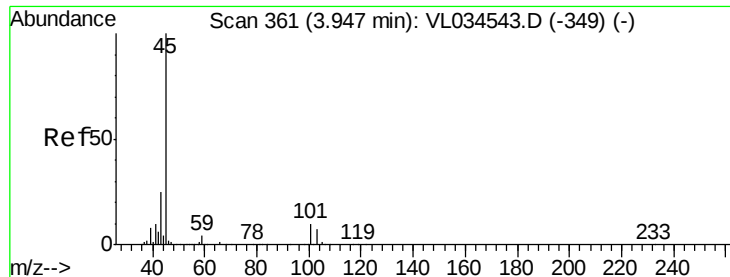
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#15
Acetone
Concen: 3.356 ppbv
RT: 3.83 min Scan# 324
Delta R.T. -0.00 min
Lab File: VL034551.D
Acq: 2 Jan 2020 18:00

Tgt Ion: 43 Resp: 447745
Ion Ratio Lower Upper
43 100
58 25.1 20.4 30.6





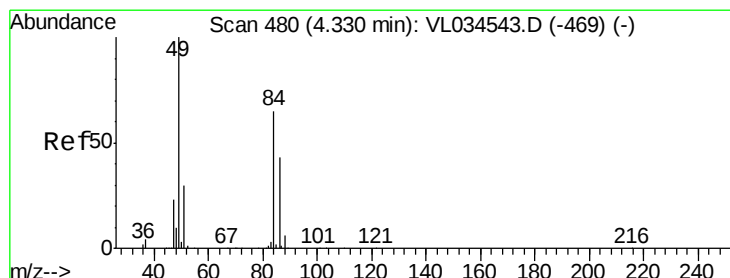
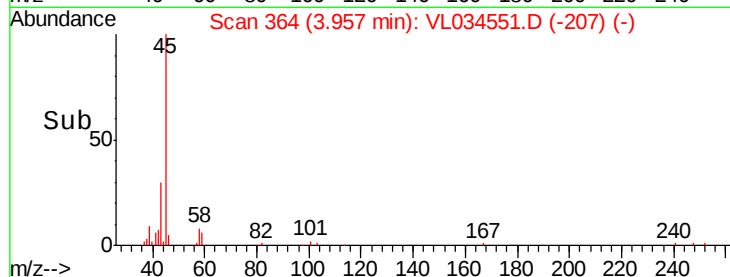
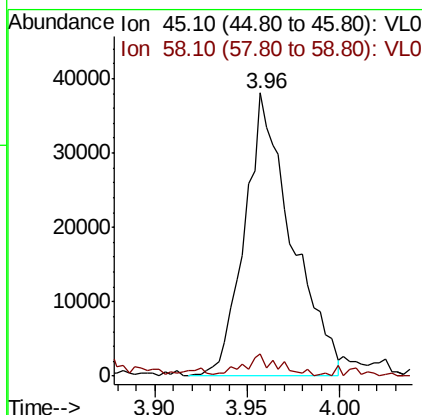
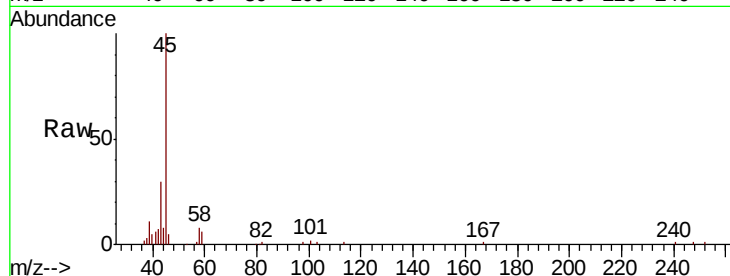
#19
Isopropyl Alcohol
Concen: 0.779 ppbv
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VL034551.D
Acq: 2 Jan 2020 18:00

Instrument :
MSVOA_L
ClientSampleId :
50-1

Tot Ion: 45 Resp: 67314
Ion Ratio Lower Upper
45 100
58 5.7 1.4 2.0#

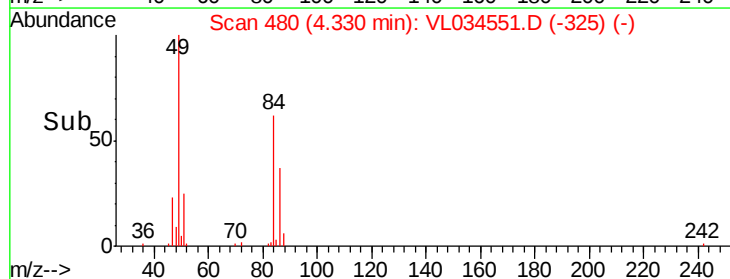
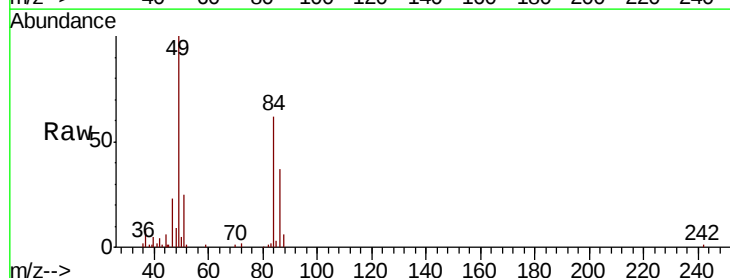
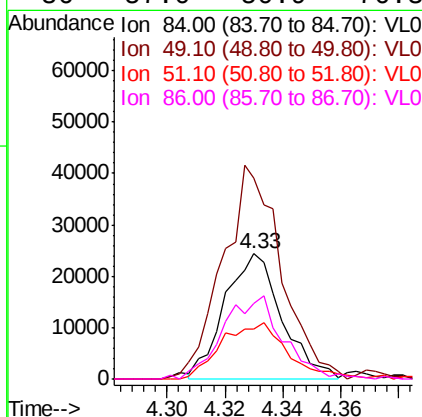
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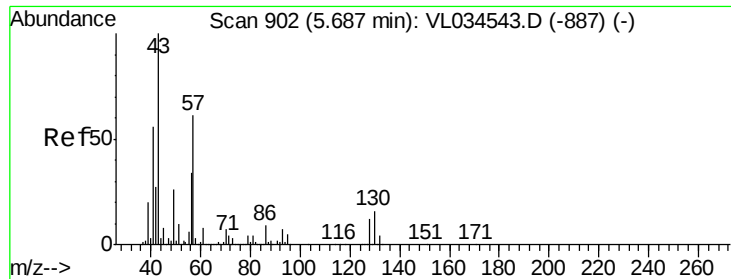
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#20
Methylene Chloride
Concen: 0.635 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.00 min
Lab File: VL034551.D
Acq: 2 Jan 2020 18:00

Tgt Ion: 84 Resp: 33346
Ion Ratio Lower Upper
84 100
49 156.5 124.4 186.6
51 38.4 37.0 55.6
86 57.0 50.9 76.3





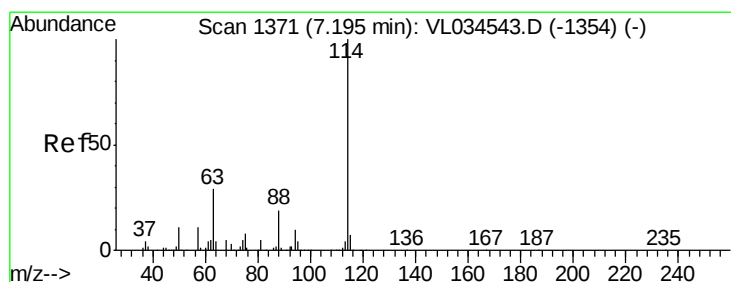
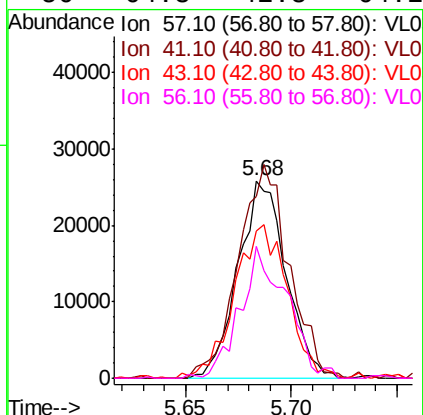
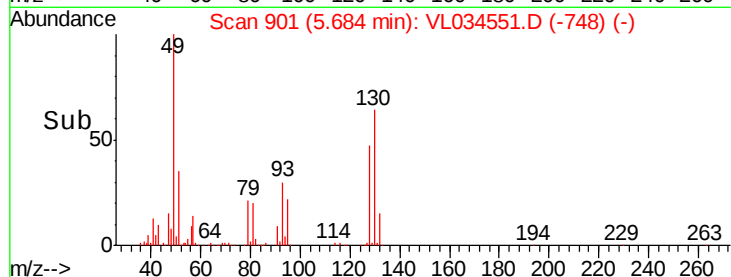
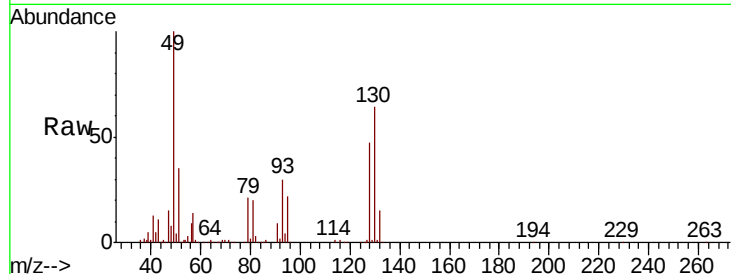
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Hexane
Concen: 0.465 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.01 min
Lab File: VL034551.D
Acq: 2 Jan 2020 18:00

Instrument :
MSVOA_L
ClientSampled :
50-1

Tot Ion	Ratio	Lower	Upper
57	100		
41	114.9	75.3	112.9#
43	86.3	189.4	284.2#
56	64.8	42.8	64.2#

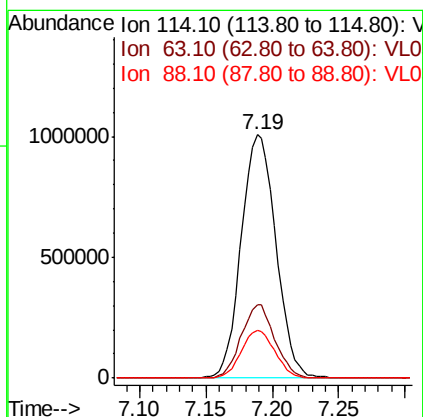
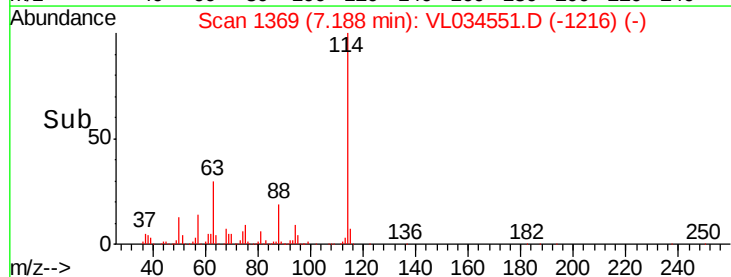
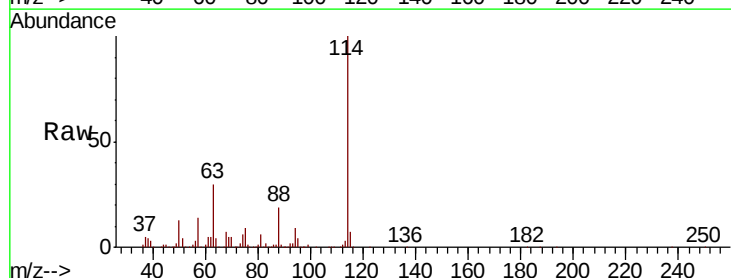
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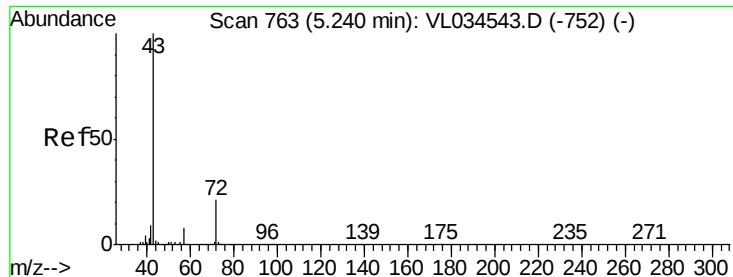
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VL034551.D
Acq: 2 Jan 2020 18:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	29.1	24.1	36.1
88	19.1	15.7	23.5





#34

2-Butanone

Concen: 0.308 ppbv

RT: 5.25 min Scan# 766

Delta R.T. 0.01 min

Lab File: VL034551.D

Acq: 2 Jan 2020 18:00

Instrument :

MSVOA_L

ClientSampleId :

50-1

Tot Ion: 43 Resp: 40371

Ion Ratio Lower Upper

43 100

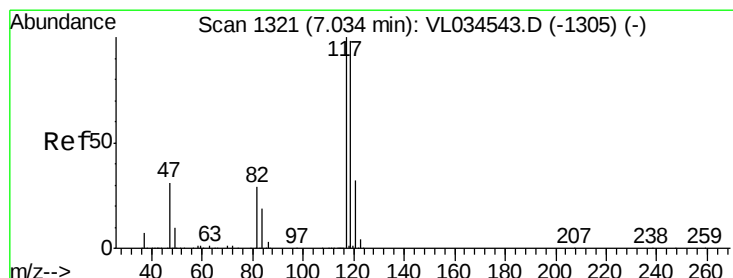
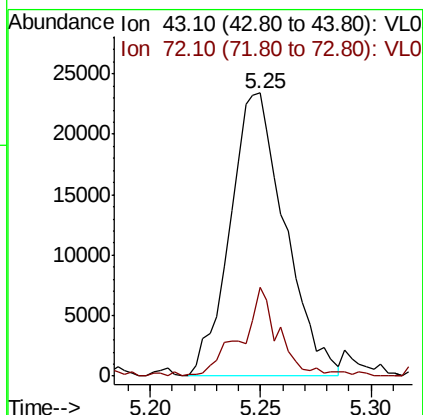
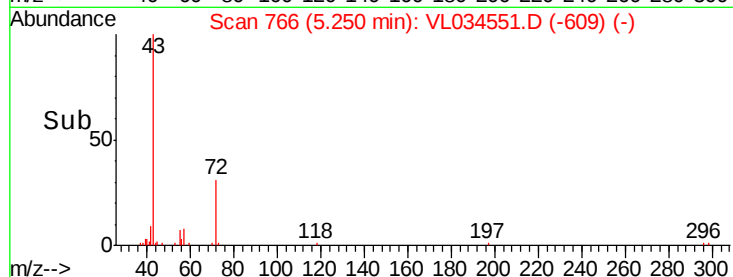
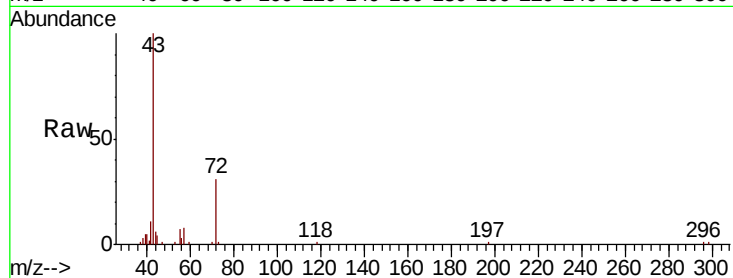
72 22.5 17.0 25.4

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#35

Carbon Tetrachloride

Concen: 0.074 ppbv m

RT: 7.03 min Scan# 1319

Delta R.T. -0.01 min

Lab File: VL034551.D

Acq: 2 Jan 2020 18:00

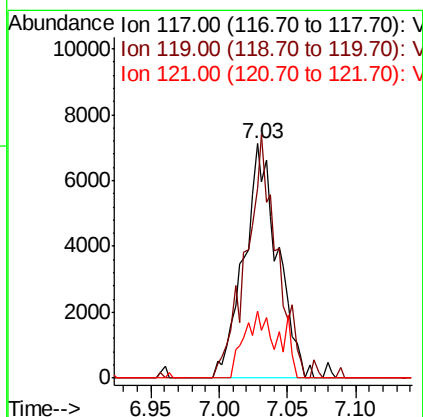
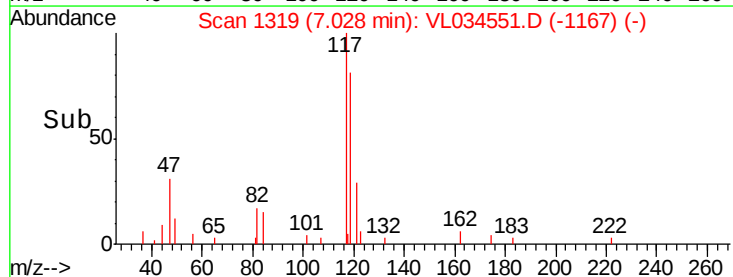
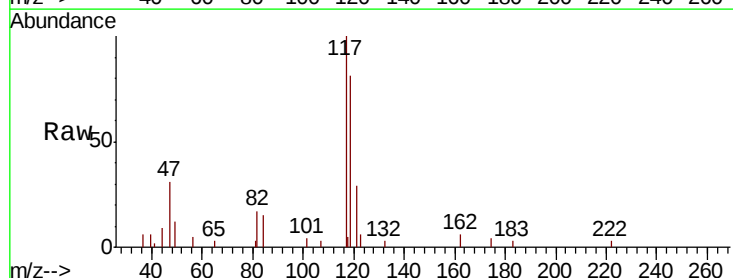
Tgt Ion: 117 Resp: 12357

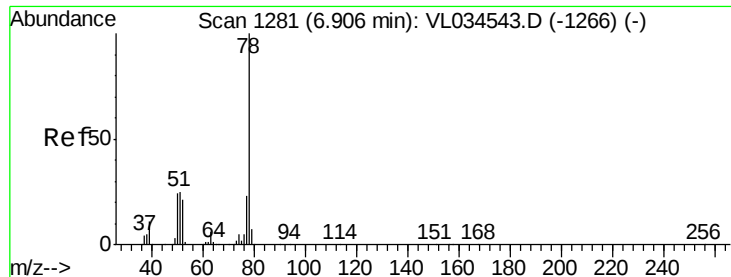
Ion Ratio Lower Upper

117 100

119 80.8 78.7 118.1

121 28.8 25.9 38.9





#36

Benzene

Concen: 0.169 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VL034551.D

Acq: 2 Jan 2020 18:00

Instrument :

MSVOA_L

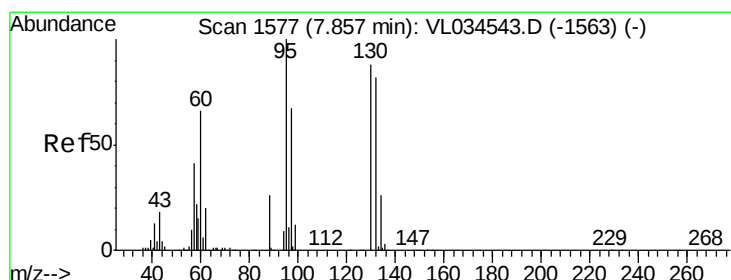
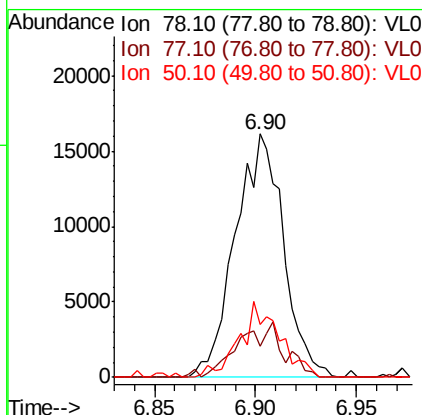
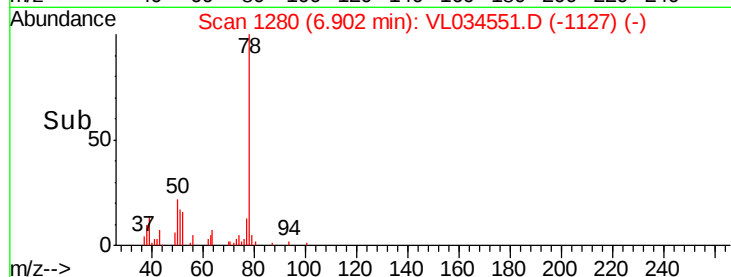
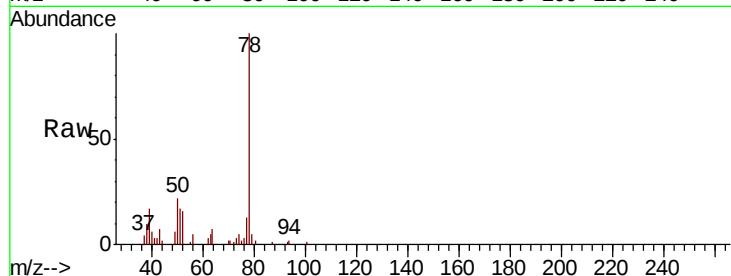
ClientSampleId :

50-1

Tot Ion:	78	Resp:	26964
Ion	Ratio	Lower	Upper
78	100		
77	12.9	18.6	28.0#
50	21.9	18.8	28.2

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#38

Trichloroethene

Concen: 0.123 ppbv m

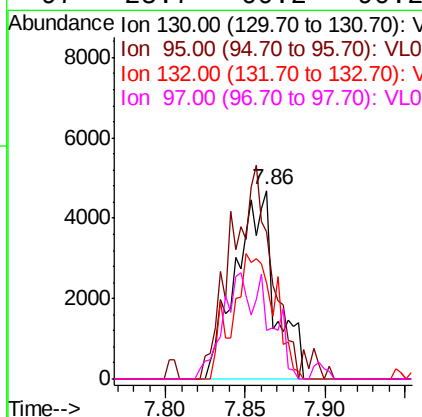
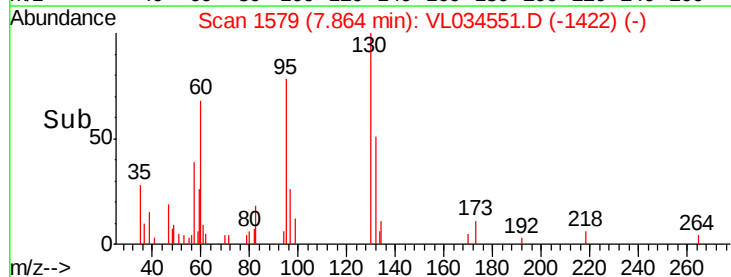
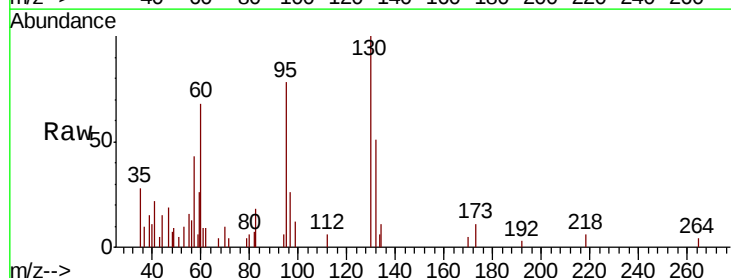
RT: 7.86 min Scan# 1579

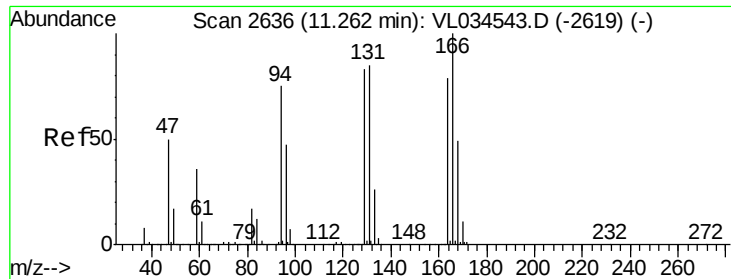
Delta R.T. 0.01 min

Lab File: VL034551.D

Acq: 2 Jan 2020 18:00

Tgt Ion:	130	Resp:	7936
Ion	Ratio	Lower	Upper
130	100		
95	78.0	94.2	141.2#
132	51.1	76.1	114.1#
97	25.7	60.2	90.2#





#52

Tetrachloroethene

Concen: 0.052 ppbv m

RT: 11.26 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VL034551.D

Acq: 2 Jan 2020 18:00

Instrument :

MSVOA_L

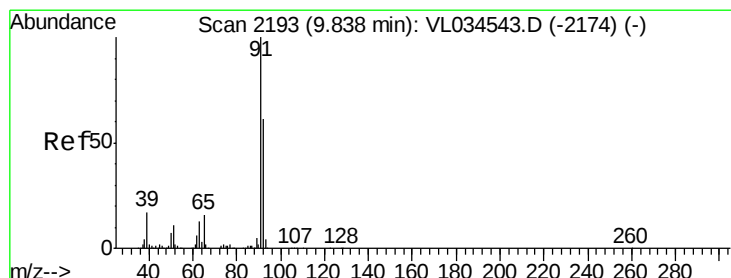
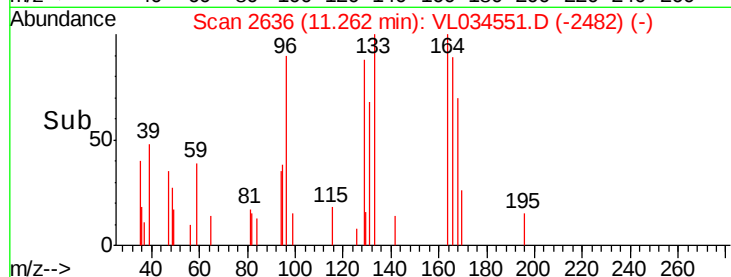
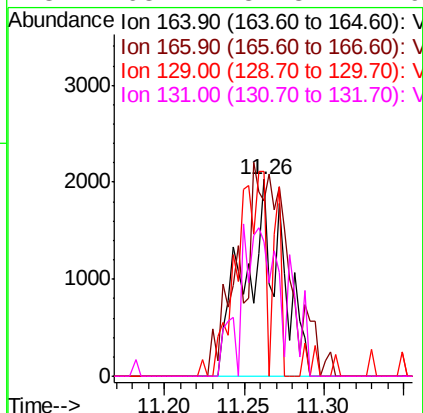
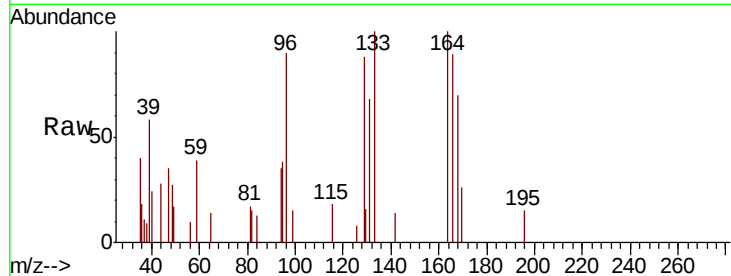
ClientSampled :

50-1

Tot Ion:	164	Resp:	3235
Ion Ratio	Lower	Upper	
164	100		
166	89.1	95.7	143.5#
129	88.3	82.2	123.2
131	68.1	81.3	121.9#

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#53

Toluene

Concen: 0.573 ppbv

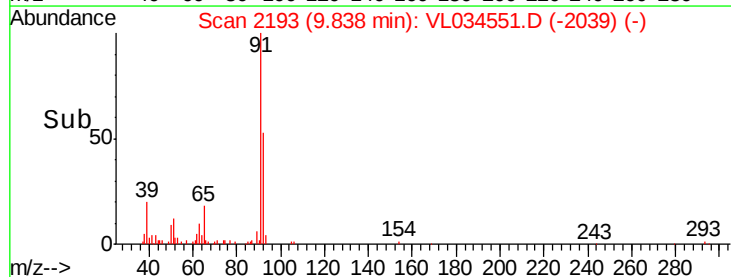
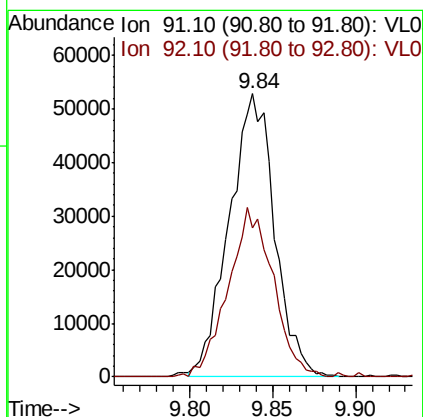
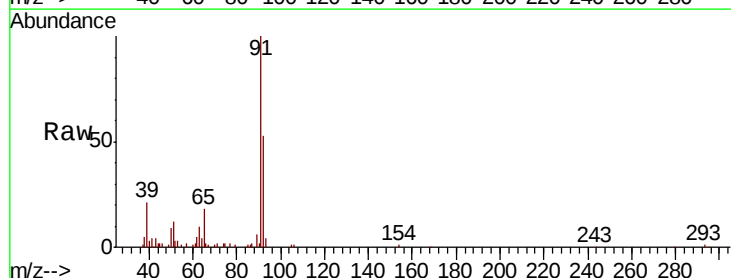
RT: 9.84 min Scan# 2193

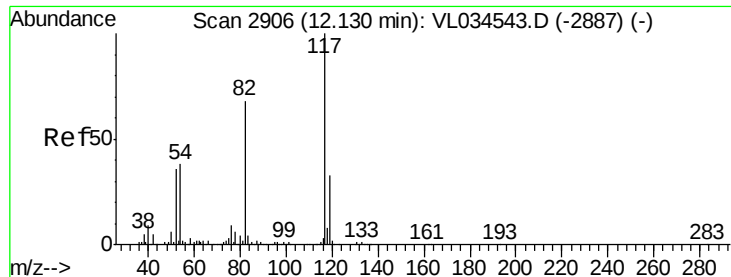
Delta R.T. -0.00 min

Lab File: VL034551.D

Acq: 2 Jan 2020 18:00

Tgt Ion:	91	Resp:	100556
Ion Ratio	Lower	Upper	
91	100		
92	59.5	48.4	72.6





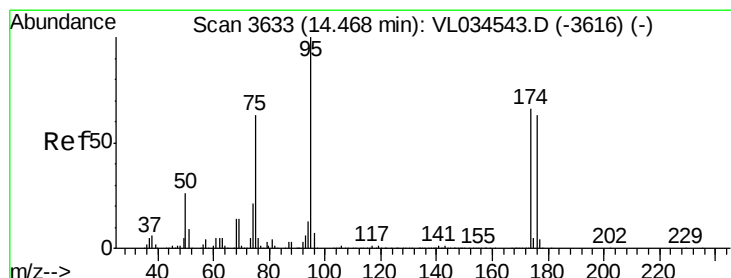
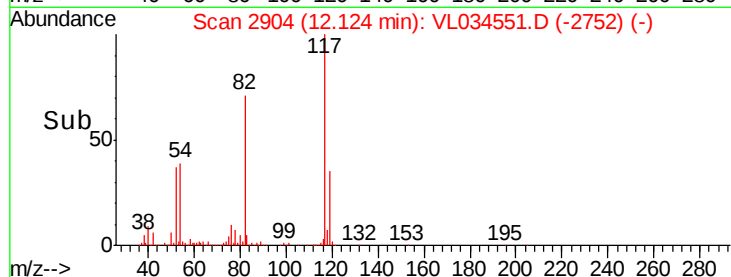
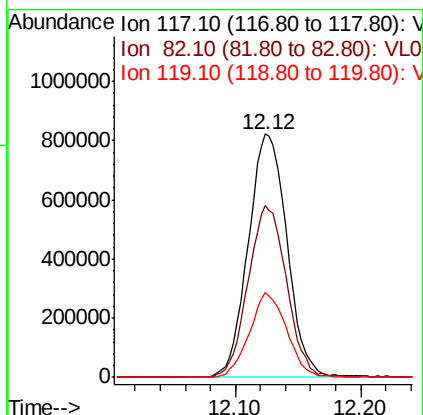
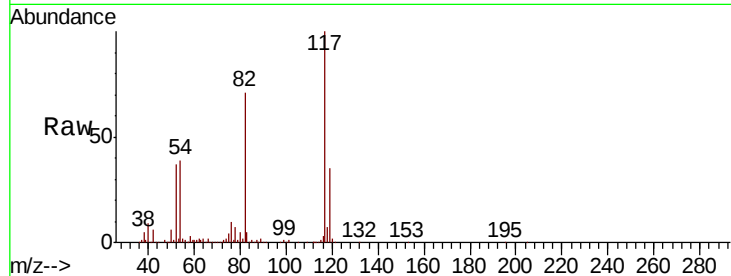
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL034551.D
Acq: 2 Jan 2020 18:00

Instrument :
MSVOA_L
ClientSampled :
50-1

Tot Ion:117 Resp: 1762748
Ion Ratio Lower Upper
117 100
82 70.8 56.2 84.4
119 33.8 27.1 40.7

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.165 ppbv
RT: 14.46 min Scan# 3631
Delta R.T. -0.01 min
Lab File: VL034551.D
Acq: 2 Jan 2020 18:00

Tgt Ion: 95 Resp: 1495224
Ion Ratio Lower Upper
95 100
174 63.4 52.4 78.6
175 4.6 3.9 5.9

