

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120820\
 Data File : VL036115.D
 Acq On : 9 Dec 2020 4:12
 Operator : SY/AP
 Sample : L4948-11DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-5BDL

Manual Integrations
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 12/11/2020 12:24:05 PM

Quant Time: Dec 09 09:00:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1146820	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.18	114	2384350	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2115809	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	1790961	10.66	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	854687	6.395	ppbv	100
9) Propene	3.02	41	14131m	0.216	ppbv	
13) Ethanol	3.61	45	154408m	17.088	ppbv	
15) Acetone	3.86	43	169089	1.227	ppbv #	89
18) 1,1-Dichloroethene	4.29	96	13270m	0.280	ppbv	
19) Isopropyl Alcohol	3.98	45	13237m	0.157	ppbv	
20) Methylene Chloride	4.35	84	17295m	0.306	ppbv	
24) 1,1-Dichloroethane	5.01	63	46426	0.360	ppbv	97
31) cis-1,2-Dichloroethene	5.56	61	272513	2.419	ppbv	92
32) 1,1,1-Trichloroethane	6.52	97	55582	0.331	ppbv #	89
38) Trichloroethene	7.84	130	290693	3.848	ppbv	94
40) 1,4-Dioxane	7.90	88	10476m	0.417	ppbv	
52) Tetrachloroethene	11.24	164	1623123	22.189	ppbv	97

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

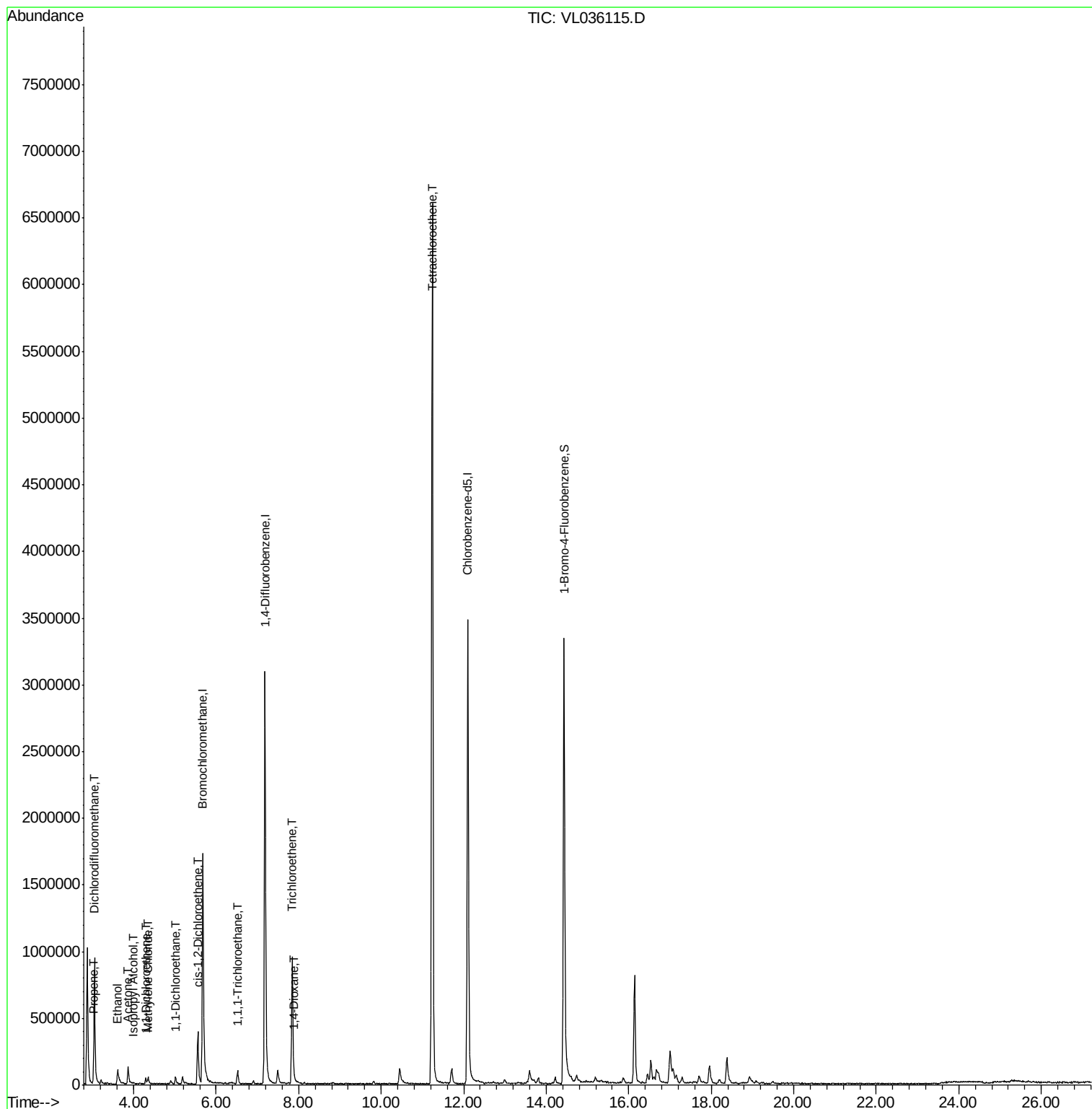
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120820\
Data File : VL036115.D
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ALS Vial : 1 Sample Multiplier: 1

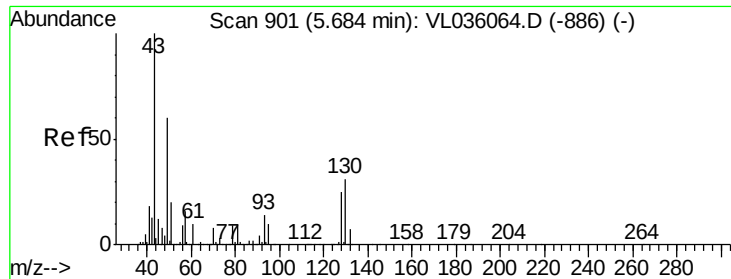
Instrument :
MSVOA_L
ClientSampleId :
SS-5BDL

Manual Integrations
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Quant Time: Dec 09 09:00:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





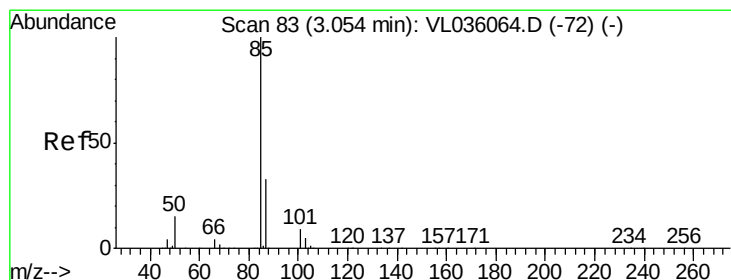
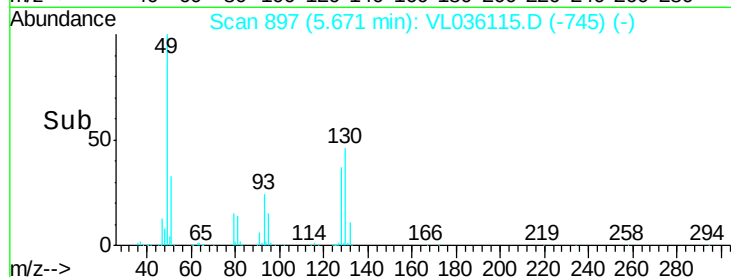
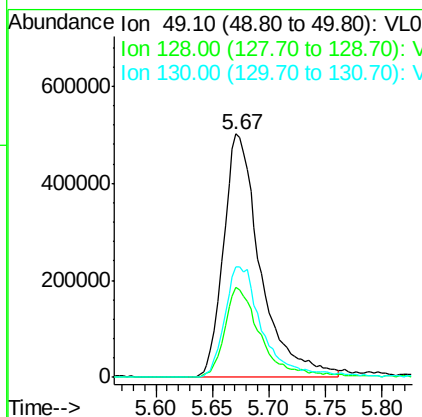
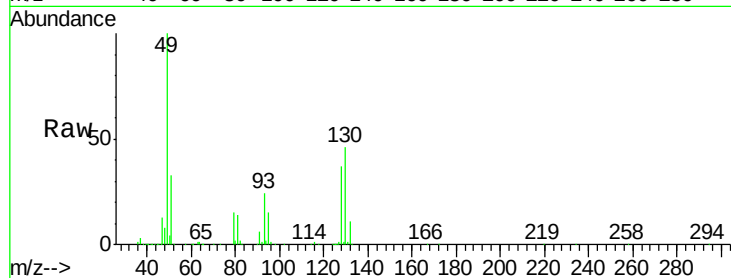
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Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL036115.D
Acq: 9 Dec 2020 4:12

Instrument :
MSVOA_L
ClientSampleId :
SS-5BDL

Tot Ion: 49 Resp: 1146820
Ion Ratio Lower Upper
49 100
128 36.5 21.1 63.1
130 47.5 27.1 81.3

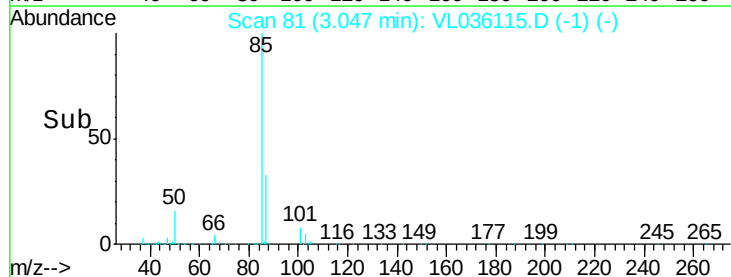
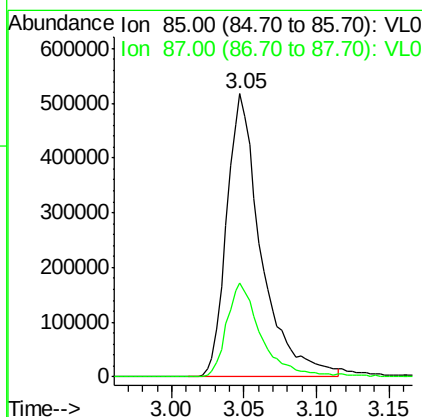
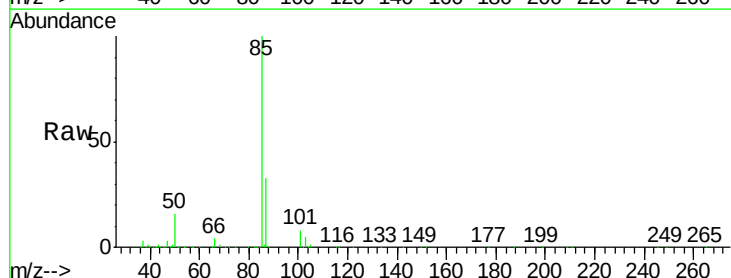
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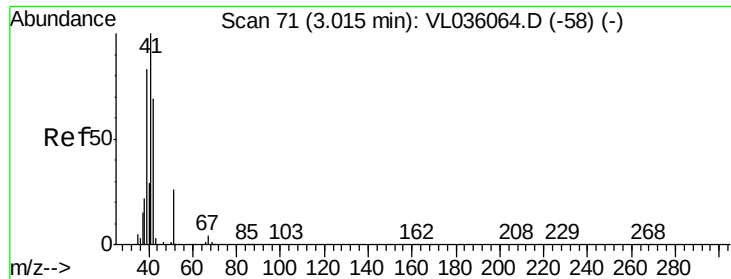
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#2
Dichlorodifluoromethane
Concen: 6.395 ppbv
RT: 3.05 min Scan# 81
Delta R.T. -0.01 min
Lab File: VL036115.D
Acq: 9 Dec 2020 4:12

Tgt Ion: 85 Resp: 854687
Ion Ratio Lower Upper
85 100
87 33.0 26.5 39.7





#9

Propene

Concen: 0.216 ppbv m

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL036115.D

Acq: 9 Dec 2020 4:12

Instrument :

MSVOA_L

ClientSampled :

SS-5BDL

Tot Ion: 41 Resp: 14131

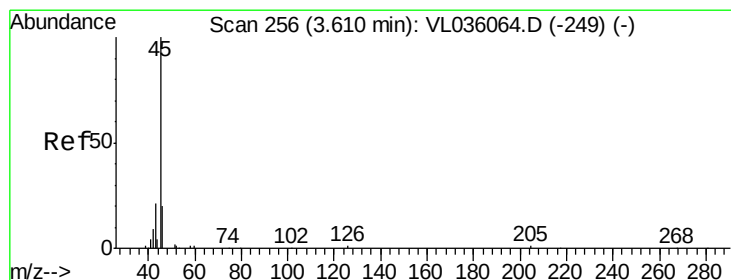
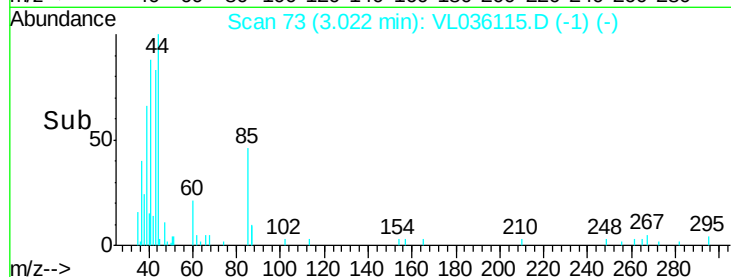
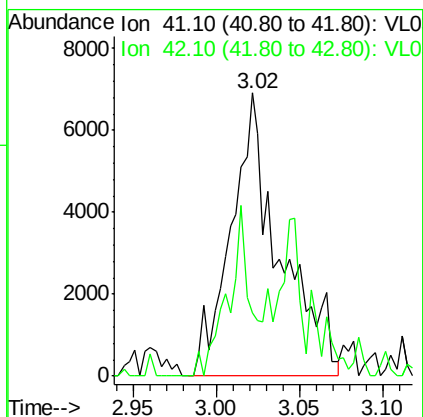
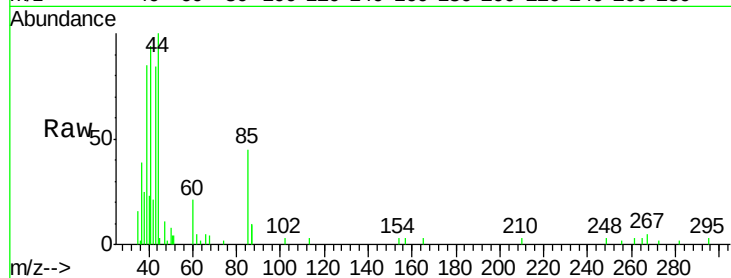
Ion Ratio Lower Upper

41 100

42 23.9 57.0 85.6#

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#13

Ethanol

Concen: 17.088 ppbv m

RT: 3.61 min Scan# 256

Delta R.T. 0.00 min

Lab File: VL036115.D

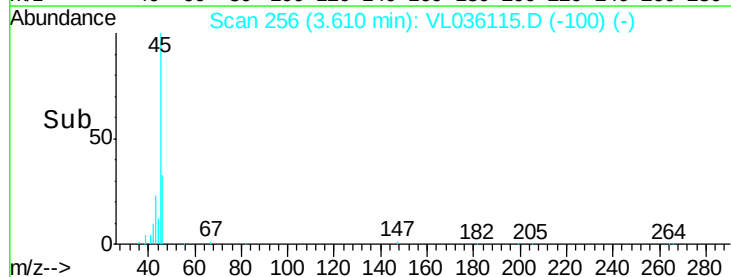
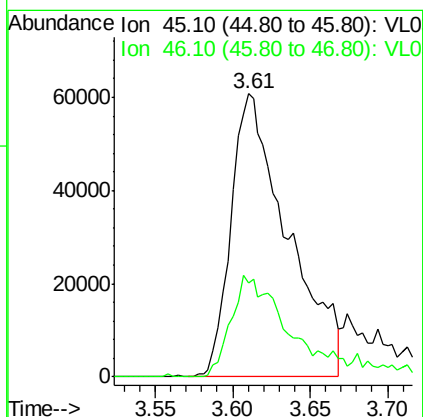
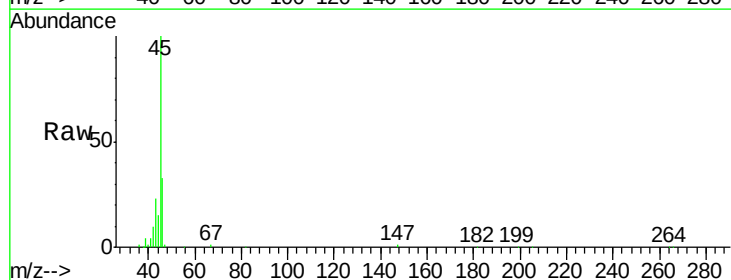
Acq: 9 Dec 2020 4:12

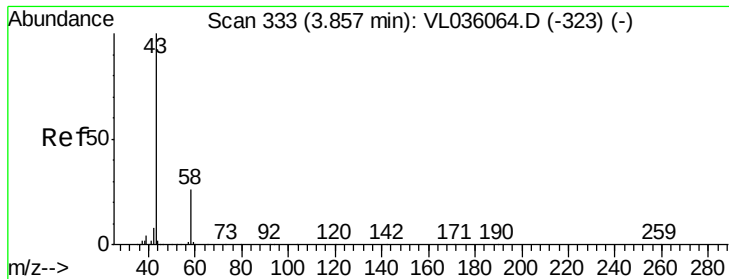
Tgt Ion: 45 Resp: 154408

Ion Ratio Lower Upper

45 100

46 40.6 19.0 75.8





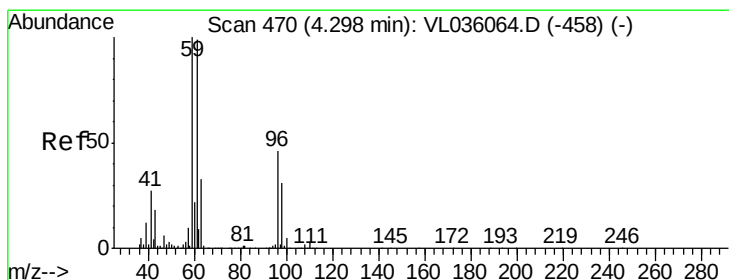
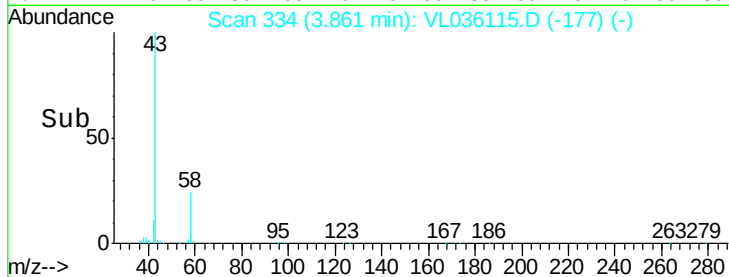
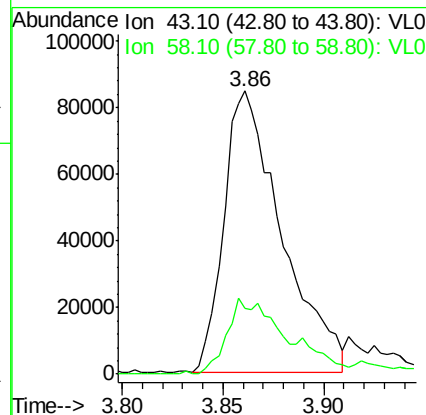
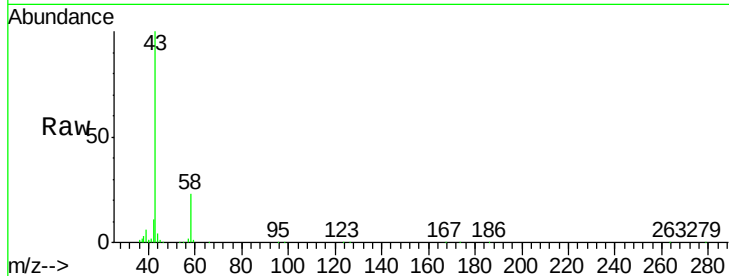
#15
Acetone
Concen: 1.227 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.00 min
Lab File: VL036115.D
Acq: 9 Dec 2020 4:12

Instrument :
MSVOA_L
ClientSampleId :
SS-5BDL

Tot Ion: 43 Resp: 169089
Ion Ratio Lower Upper
43 100
58 31.6 20.9 31.3#

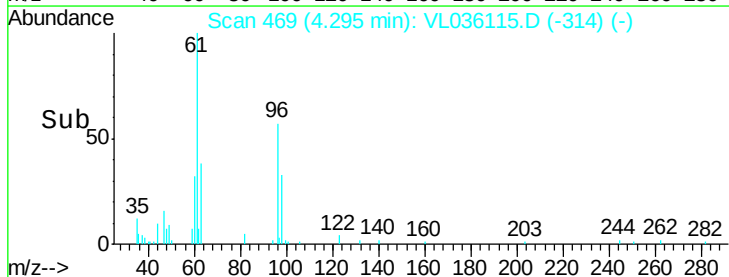
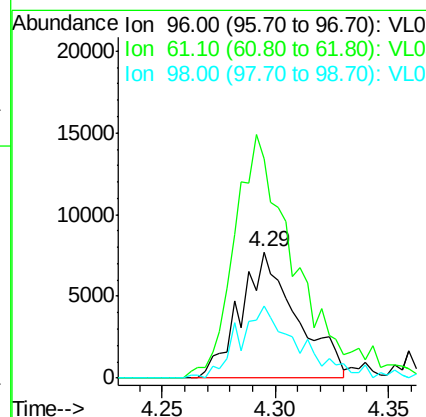
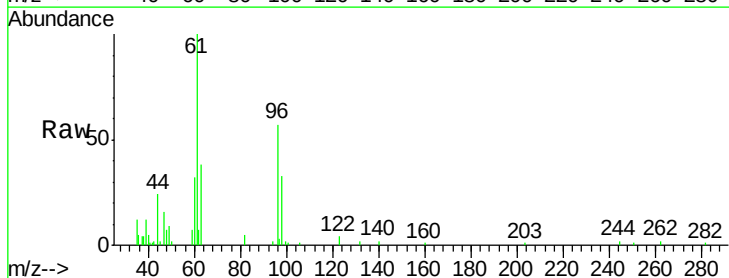
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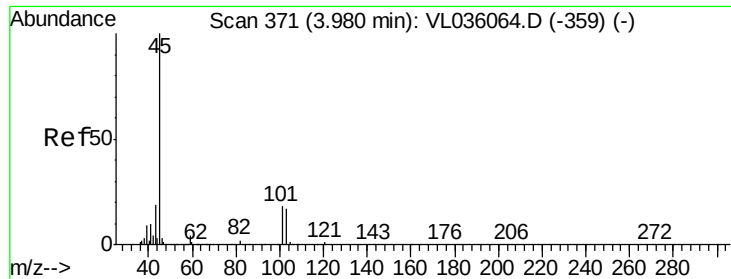
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#18
1,1-Dichloroethene
Concen: 0.280 ppbv m
RT: 4.29 min Scan# 469
Delta R.T. -0.00 min
Lab File: VL036115.D
Acq: 9 Dec 2020 4:12

Tgt Ion: 96 Resp: 13270
Ion Ratio Lower Upper
96 100
61 174.2 171.4 257.2
98 57.6 54.2 81.2





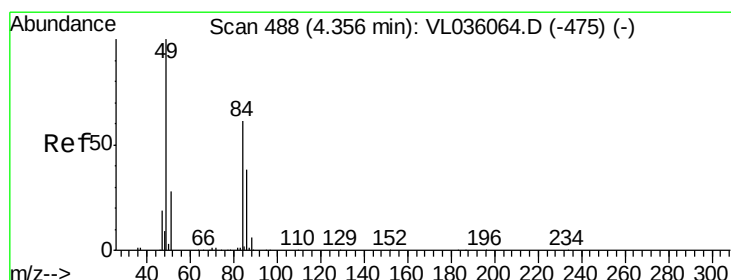
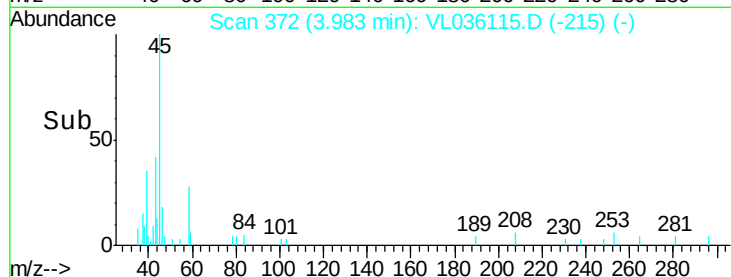
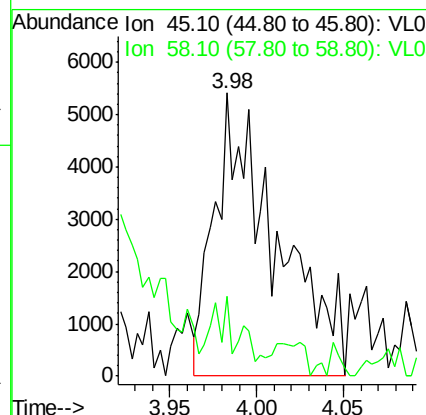
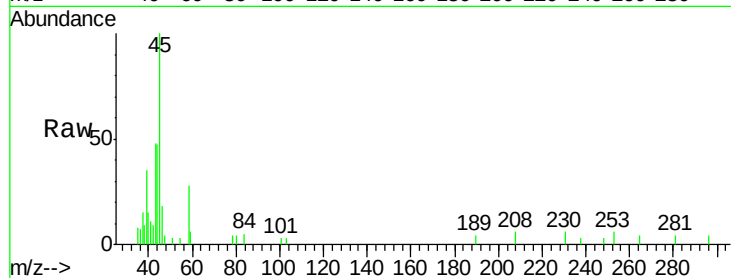
#19
Isopropyl Alcohol
Concen: 0.157 ppbv m
RT: 3.98 min Scan# 372
Delta R.T. 0.00 min
Lab File: VL036115.D
Acq: 9 Dec 2020 4:12

Instrument :
MSVOA_L
ClientSampleId :
SS-5BDL

Tot Ion	Ratio	Lower	Upper
45	100		
58	0.0	0.0	0.0

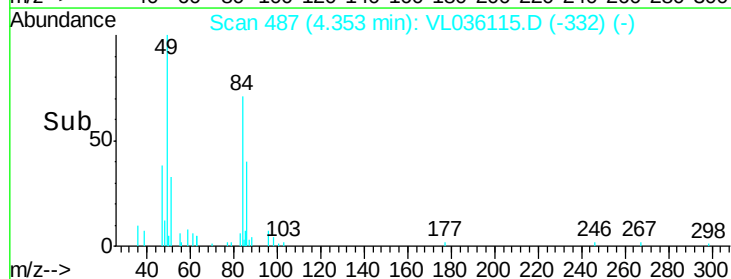
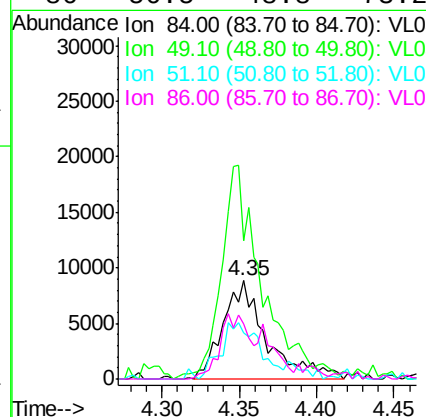
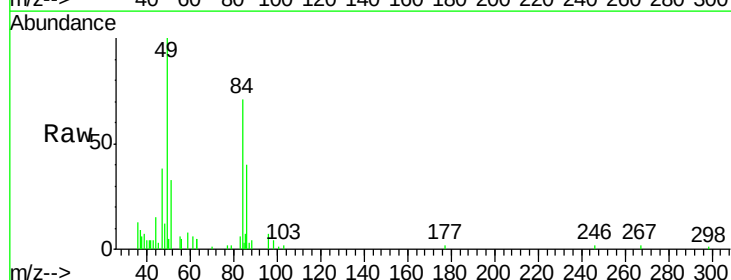
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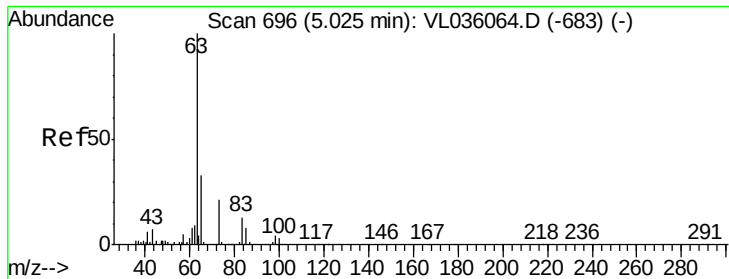
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#20
Methylene Chloride
Concen: 0.306 ppbv m
RT: 4.35 min Scan# 487
Delta R.T. -0.00 min
Lab File: VL036115.D
Acq: 9 Dec 2020 4:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.5	133.0	199.4
51	46.6	38.9	58.3
86	56.5	48.8	73.2





#24

1,1-Dichloroethane

Concen: 0.360 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.01 min

Lab File: VL036115.D

Acq: 9 Dec 2020 4:12

Instrument :

MSVOA_L

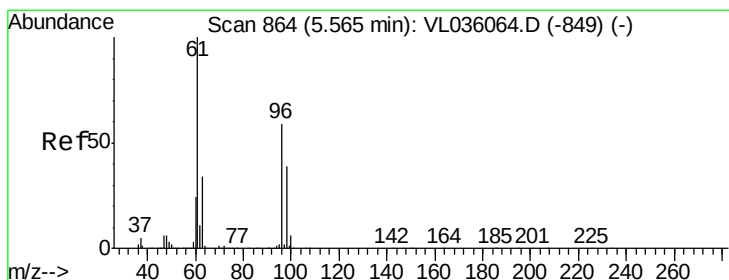
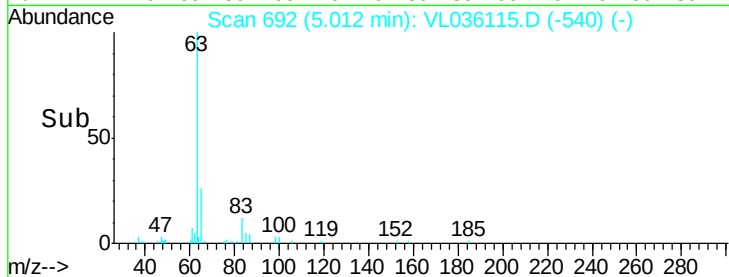
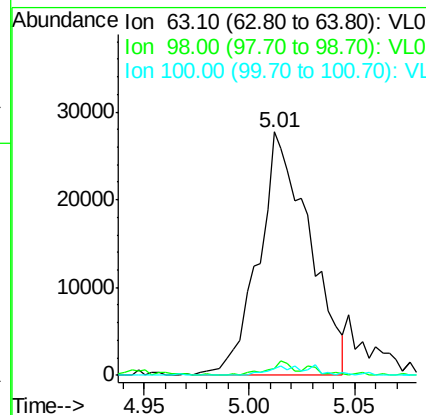
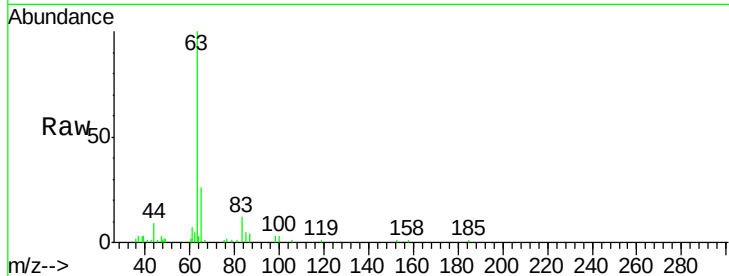
ClientSampled :

SS-5BDL

Tot Ion:	63	Resp:	46426
Ion Ratio	Lower	Upper	
63	100		
98	2.8	2.2	6.6
100	3.0	1.5	4.4

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#31

cis-1,2-Dichloroethene

Concen: 2.419 ppbv

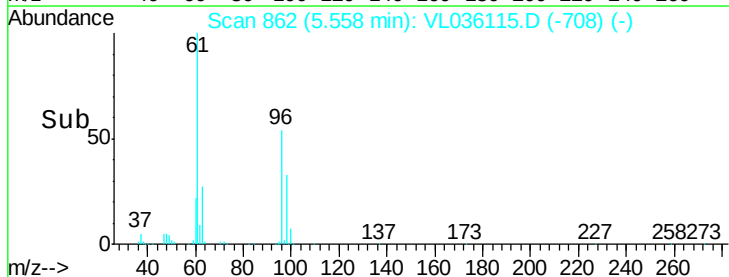
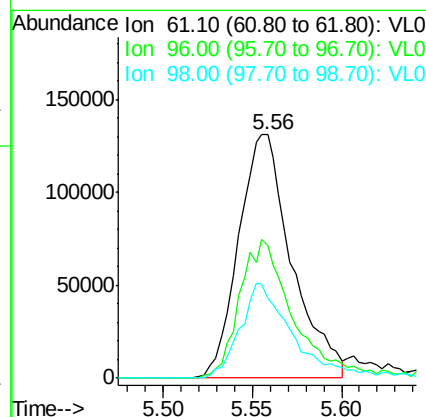
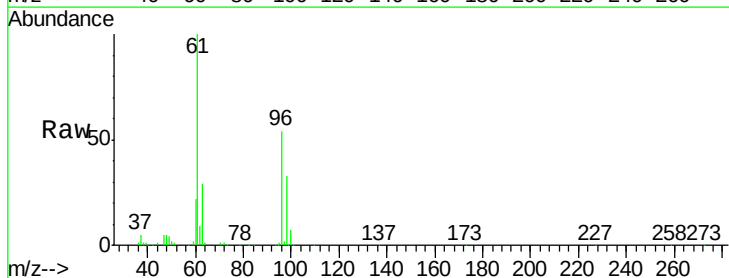
RT: 5.56 min Scan# 862

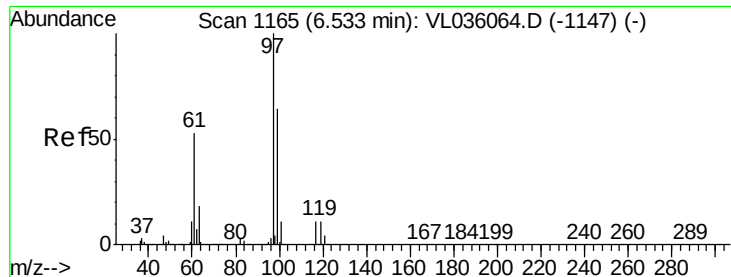
Delta R.T. -0.01 min

Lab File: VL036115.D

Acq: 9 Dec 2020 4:12

Tgt Ion:	61	Resp:	272513
Ion Ratio	Lower	Upper	
61	100		
96	53.9	47.3	70.9
98	32.8	31.4	47.0





#32

1,1,1-Trichloroethane

Concen: 0.331 ppbv

RT: 6.52 min Scan# 1160

Delta R.T. -0.02 min

Lab File: VL036115.D

Acq: 9 Dec 2020 4:12

Instrument :

MSVOA_L

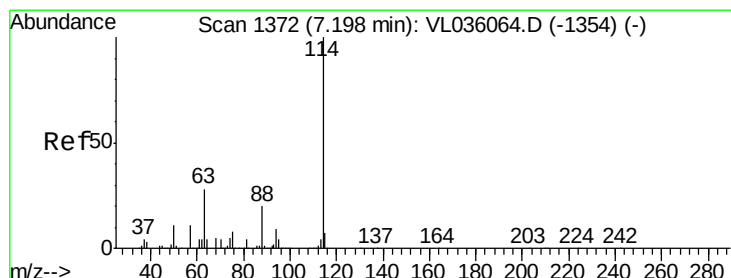
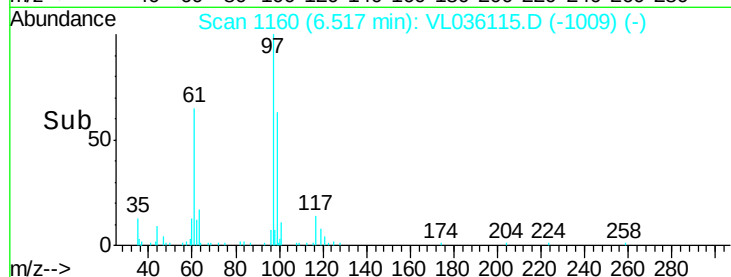
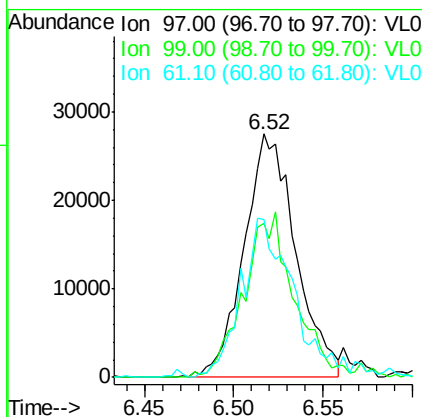
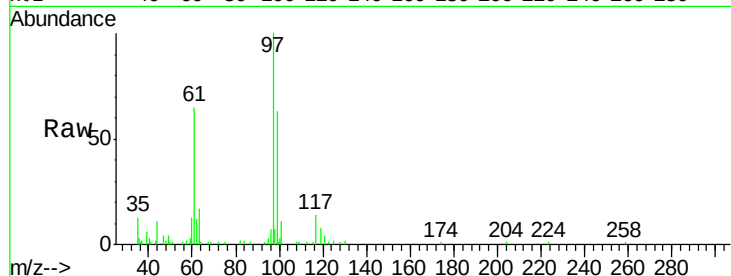
ClientSampled :

SS-5BDL

Tot Ion:	97	Resp:	55582
Ion	Ratio	Lower	Upper
97	100		
99	67.6	52.4	78.6
61	68.8	43.4	65.0#

Manual Integrations
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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

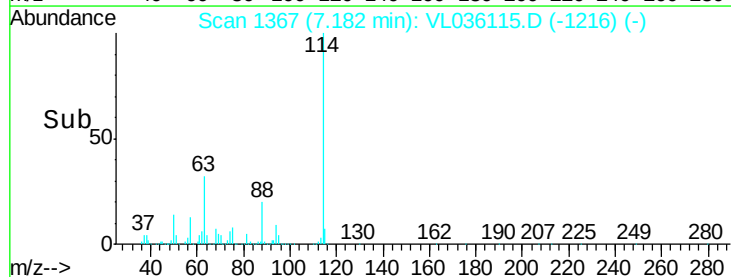
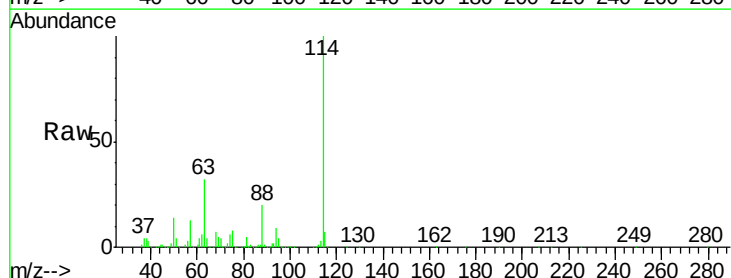
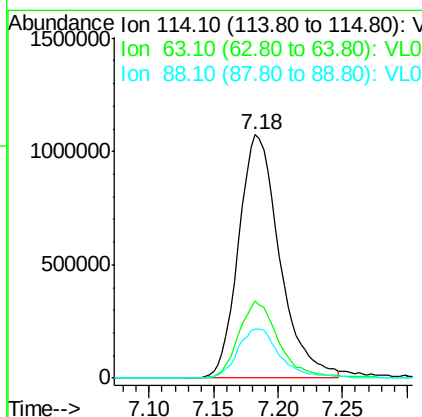
RT: 7.18 min Scan# 1367

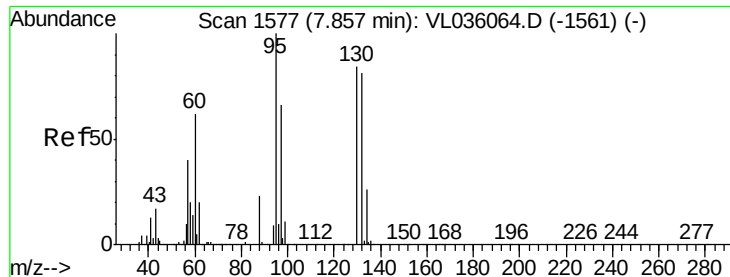
Delta R.T. -0.02 min

Lab File: VL036115.D

Acq: 9 Dec 2020 4:12

Tgt Ion:	114	Resp:	2384350
Ion	Ratio	Lower	Upper
114	100		
63	31.2	23.6	35.4
88	21.0	15.8	23.6





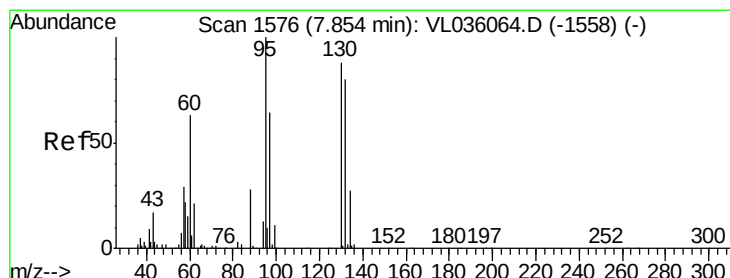
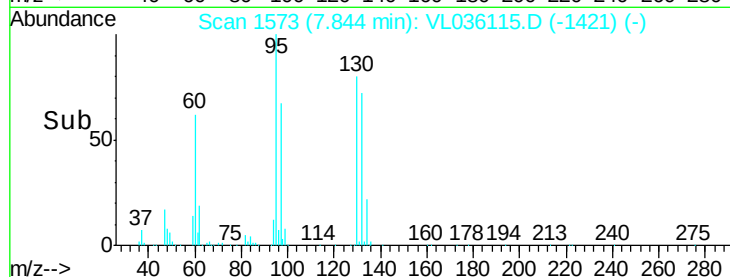
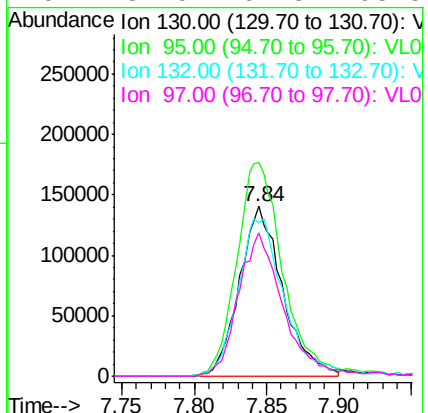
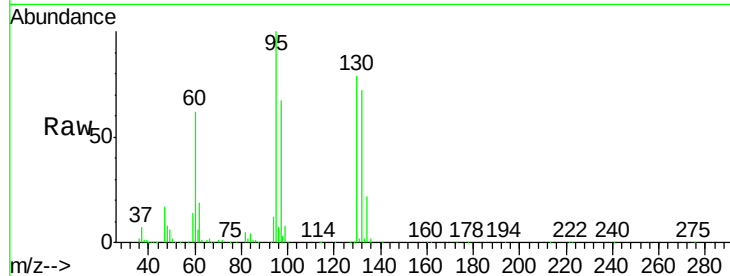
#38
 Trichloroethene
 Concen: 3.848 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: VL036115.D
 Acq: 9 Dec 2020 4:12

Instrument :
 MSVOA_L
 ClientSampled :
 SS-5BDL

Tot Ion	Ratio	Resp	Lower	Upper
130	100	290693		
95	125.6		95.2	142.8
132	90.3		76.9	115.3
97	84.0		62.3	93.5

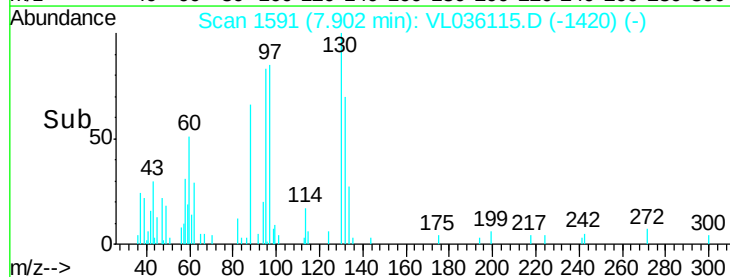
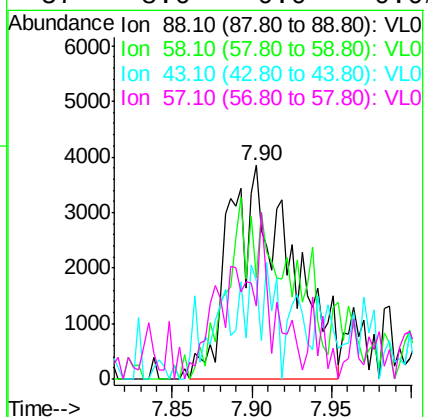
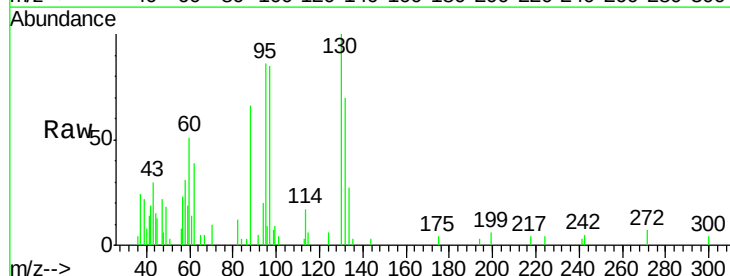
Manual Integrations
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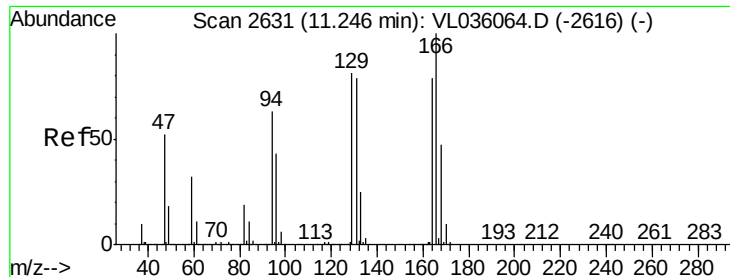
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 12/11/2020 12:24:05 PM



#40
 1,4-Dioxane
 Concen: 0.417 ppbv m
 RT: 7.90 min Scan# 1591
 Delta R.T. 0.05 min
 Lab File: VL036115.D
 Acq: 9 Dec 2020 4:12

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	10476		
58	0.0		122.6	184.0#
43	0.0		0.0	0.0
57	8.6		0.0	0.0#





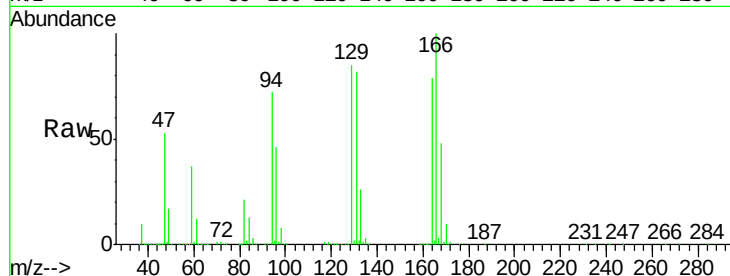
#52
Tetrachloroethene
Concen: 22.189 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. -0.01 min
Lab File: VL036115.D
Acq: 9 Dec 2020 4:12

Instrument :
MSVOA_L
ClientSampled :
SS-5BDL

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.0	101.9	152.9
129	107.0	82.1	123.1
131	103.5	80.8	121.2

Manual Integrations
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12/11/2020 12:24:05 PM

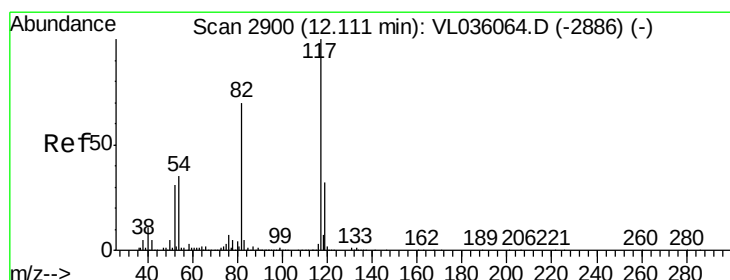
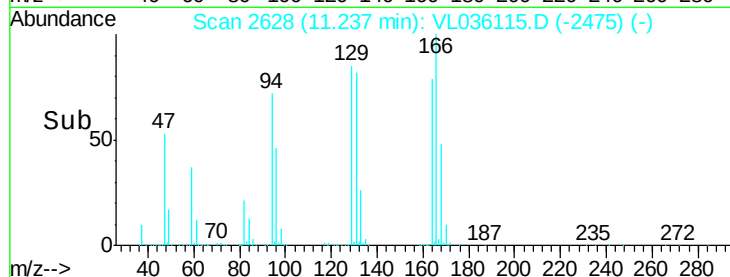
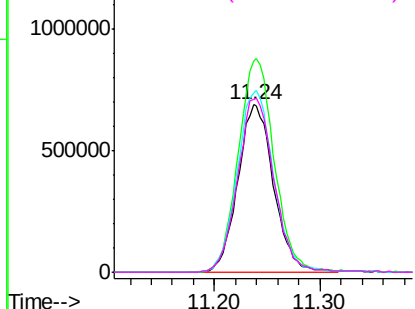


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

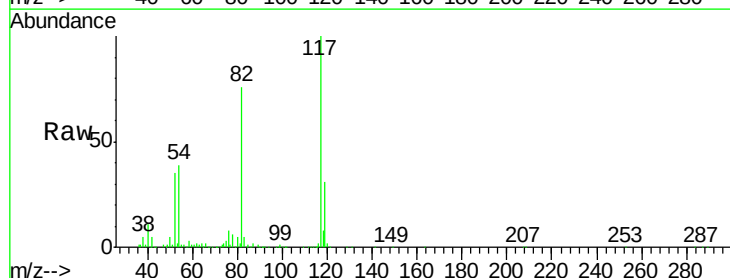
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.01 min
Lab File: VL036115.D
Acq: 9 Dec 2020 4:12

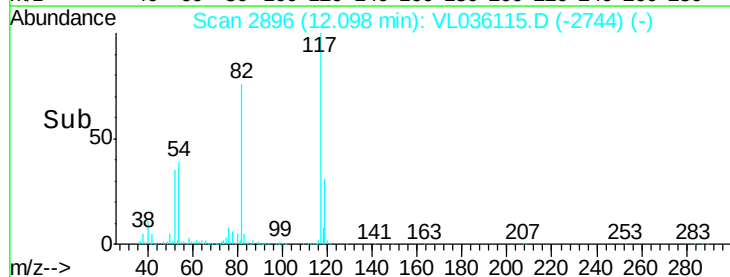
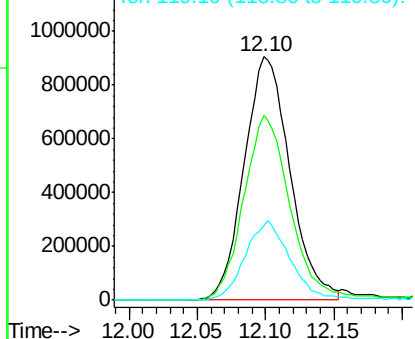
Tgt Ion	Ratio	Lower	Upper
117	100		
82	78.5	0.0	0.0#
119	32.8	0.0	0.0#

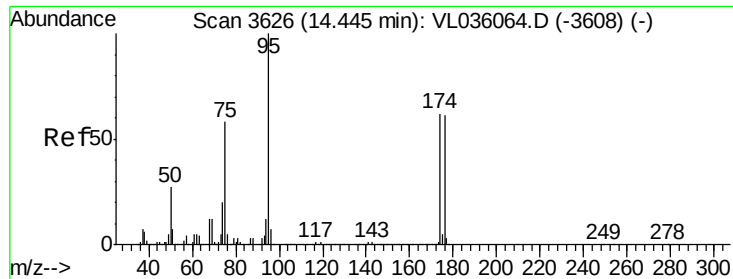


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.660 ppbv
 RT: 14.43 min Scan# 3622
 Delta R.T. -0.01 min
 Lab File: VL036115.D
 Acq: 9 Dec 2020 4:12

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-5BDL

Tot Ion: 95 Resp: 1790961
 Ion Ratio Lower Upper
 95 100
 174 58.7 50.7 76.1
 175 4.1 4.0 6.0

Manual Integrations
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