

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032621\
 Data File : VL036532.D
 Acq On : 27 Mar 2021 3:12
 Operator : SY/AP
 Sample : M1760-19
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-3-CAFETERIA-RM

Manual Integrations
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 3/29/2021 4:40:16 PM

Quant Time: Mar 28 21:41:21 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 28 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1413548	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3056092	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2804910	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.42	95	2164504	9.68	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	43464m	0.189	ppbv	
4) Chloromethane	3.13	50	37832	0.406	ppbv	95
9) Propene	3.02	41	32525	0.386	ppbv	96
11) Trichlorofluoromethane	3.94	101	45884	0.195	ppbv #	81
13) Ethanol	3.63	45	1807429	180.271	ppbv	95
15) Acetone	3.84	43	1001598	7.199	ppbv	98
19) Isopropyl Alcohol	3.99	45	493757	6.452	ppbv #	97
20) Methylene Chloride	4.34	84	849475	13.041	ppbv	93
26) Hexane	5.68	57	584423	3.807	ppbv #	69
31) cis-1,2-Dichloroethene	5.55	61	29985m	0.202	ppbv	
34) 2-Butanone	5.25	43	70760m	0.474	ppbv	
35) Carbon Tetrachloride	7.01	117	14239m	0.061	ppbv	
38) Trichloroethene	7.83	130	160798m	1.466	ppbv	
53) Toluene	9.81	91	88272	0.294	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	38985m	0.185	ppbv	

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

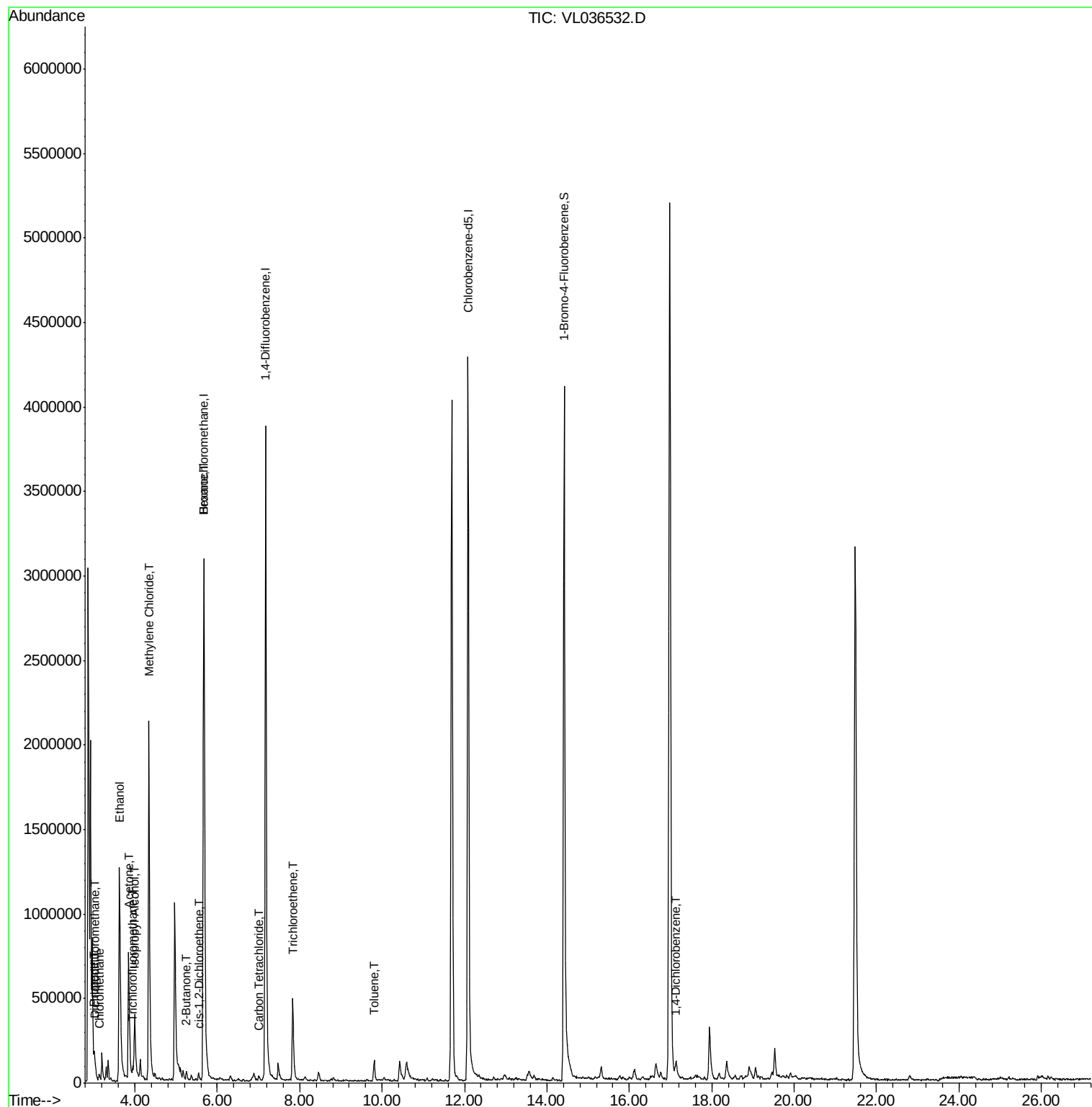
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032621\
Data File : VL036532.D
Acq On : 27 Mar 2021 3:12
Operator : SY/AP
Sample : M1760-19
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

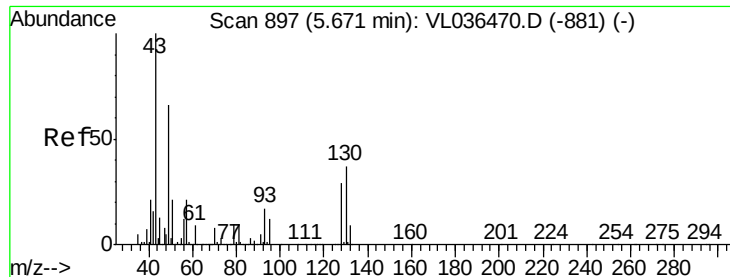
Instrument :
MSVOA_L
ClientSampleId :
SS-3-CAFETERIA-RM

Manual Integrations
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3/29/2021 4:40:16 PM

Quant Time: Mar 28 21:41:21 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL036532.D

Acq: 27 Mar 2021 3:12

Instrument :

MSVOA_L

ClientSampleId :

SS-3-CAFETERIA-RM

Tot Ion: 49 Resp: 1413548

Ion Ratio Lower Upper

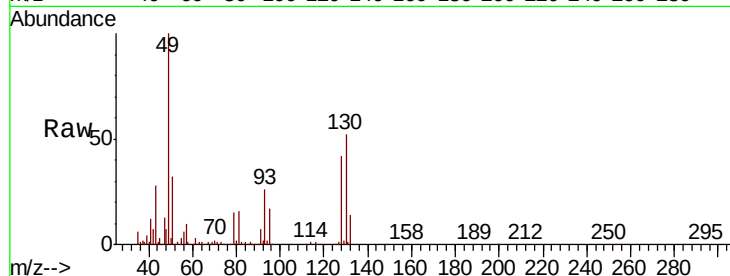
49 100

128 43.1 23.5 70.6

130 55.3 29.1 87.4

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

800000

600000

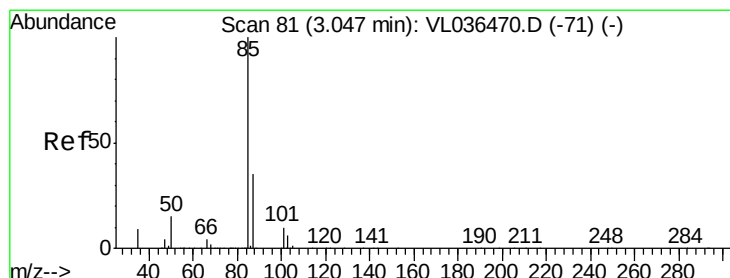
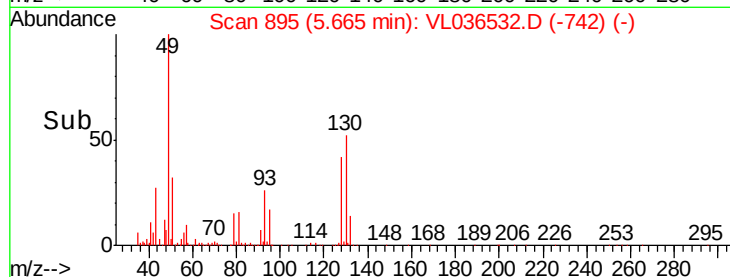
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 0.189 ppbv m

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL036532.D

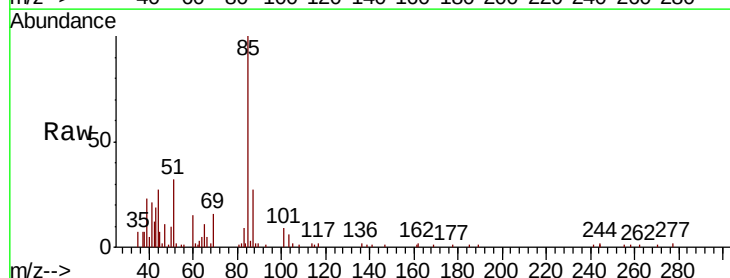
Acq: 27 Mar 2021 3:12

Tgt Ion: 85 Resp: 43464

Ion Ratio Lower Upper

85 100

87 26.5 27.8 41.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

30000

25000

20000

15000

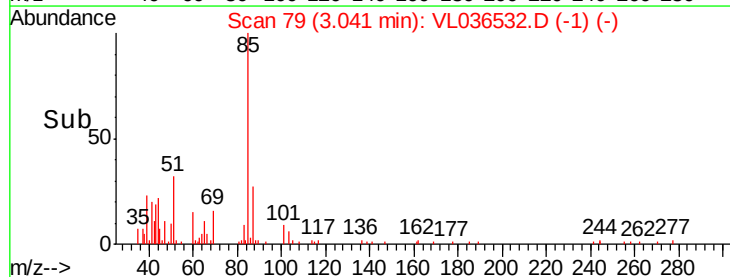
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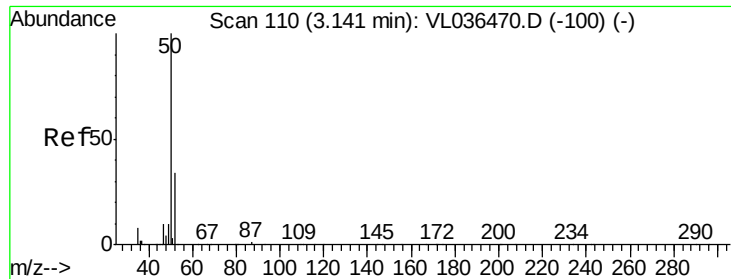
5000

0

3.00 3.05 3.10

Time-->





#4

Chloromethane

Concen: 0.406 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL036532.D

Acq: 27 Mar 2021 3:12

Instrument :

MSVOA_L

ClientSampleId :

SS-3-CAFETERIA-RM

Tot Ion: 50 Resp: 37832

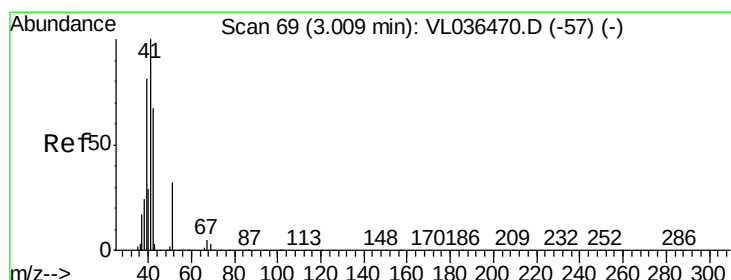
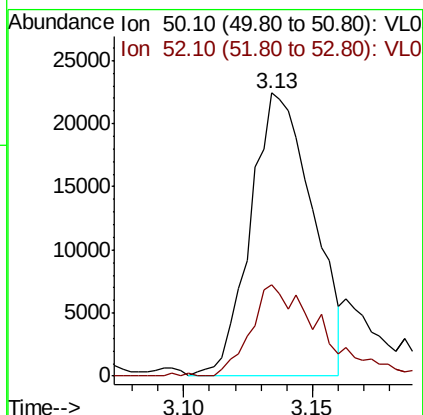
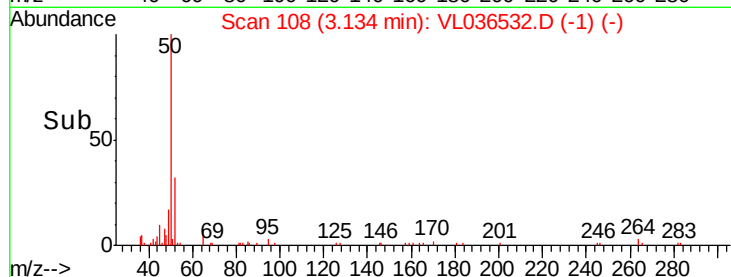
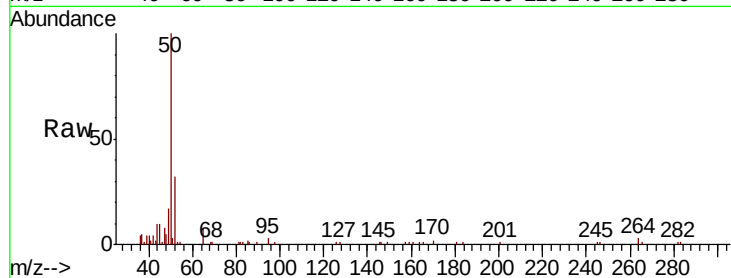
Ion Ratio Lower Upper

50 100

52 31.1 27.0 40.6

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#9

Propene

Concen: 0.386 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL036532.D

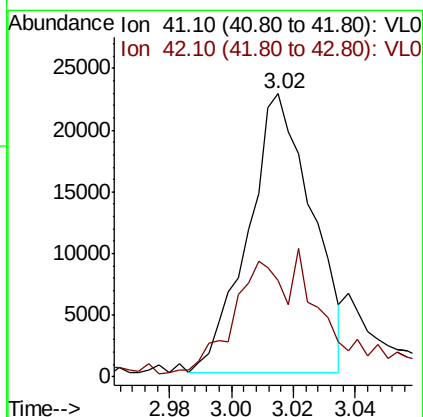
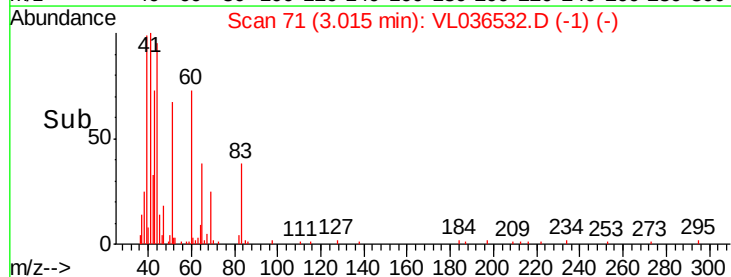
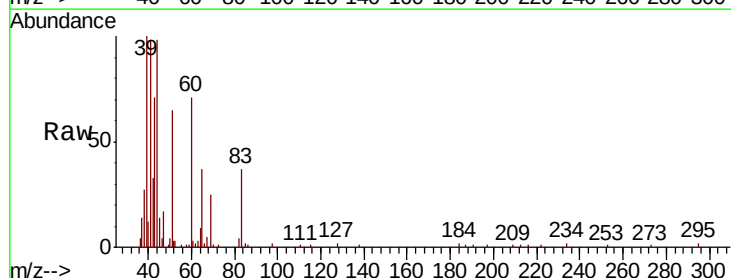
Acq: 27 Mar 2021 3:12

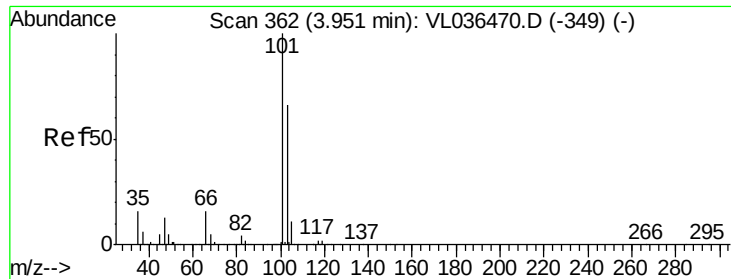
Tgt Ion: 41 Resp: 32525

Ion Ratio Lower Upper

41 100

42 67.5 57.0 85.4





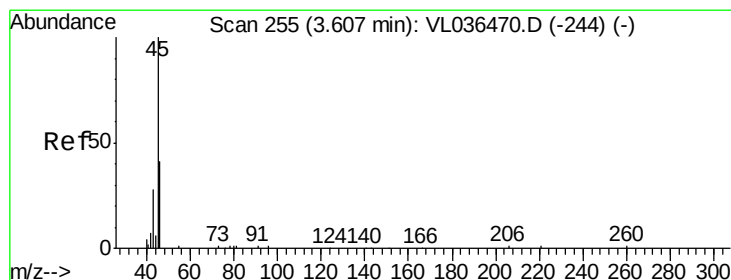
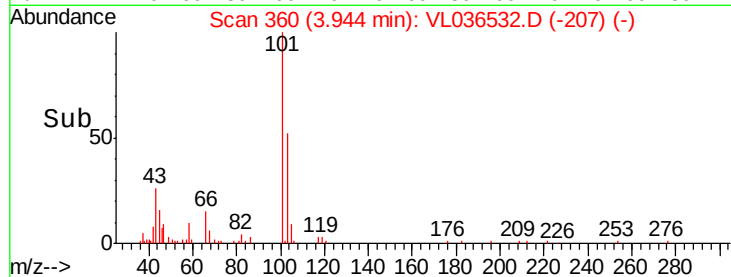
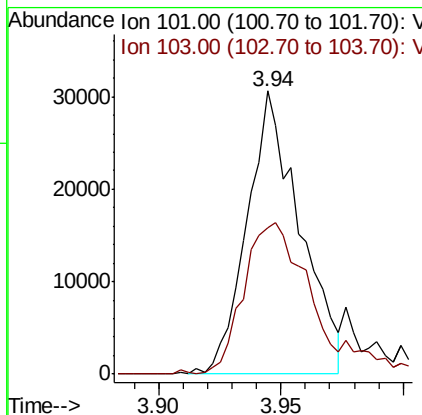
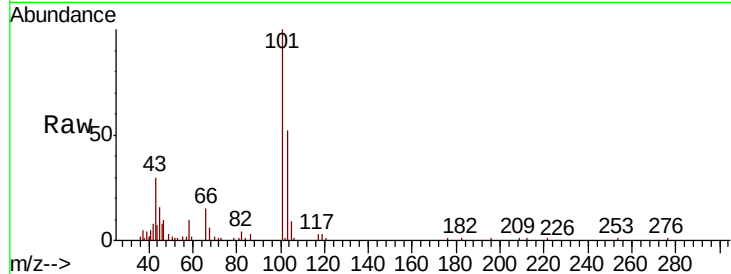
#11
 Trichlorofluoromethane
 Concen: 0.195 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.01 min
 Lab File: VL036532.D
 Acq: 27 Mar 2021 3:12

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-3-CAFETERIA-RM

Tot Ion: 101 Resp: 45884
 Ion Ratio Lower Upper
 101 100
 103 50.8 52.5 78.7#

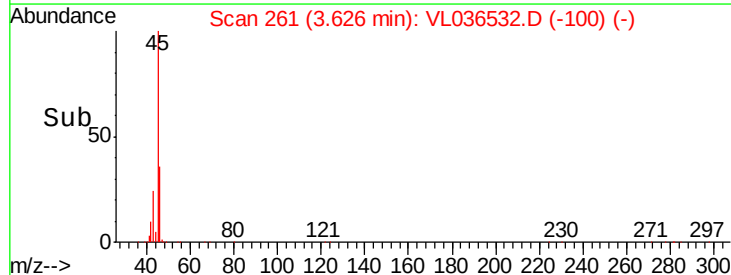
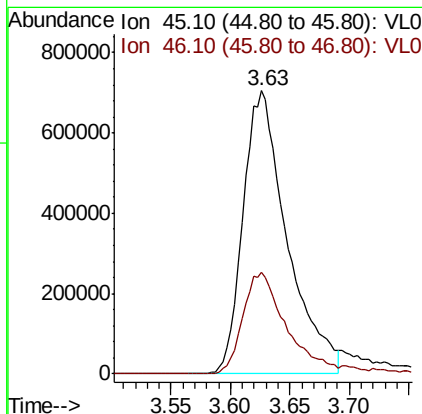
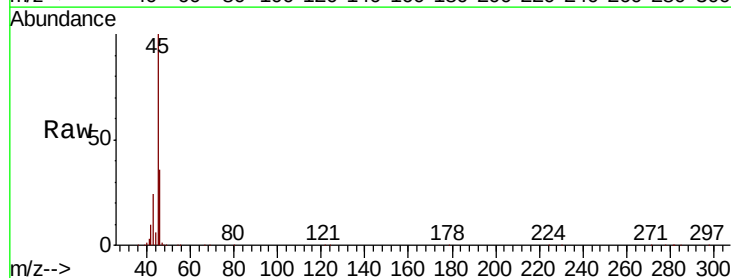
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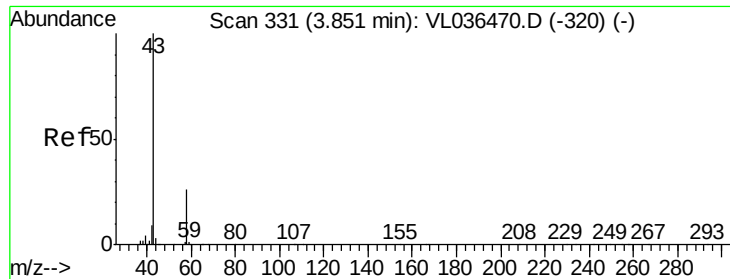
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#13
 Ethanol
 Concen: 180.271 ppbv
 RT: 3.63 min Scan# 261
 Delta R.T. 0.02 min
 Lab File: VL036532.D
 Acq: 27 Mar 2021 3:12

Tgt Ion: 45 Resp: 1807429
 Ion Ratio Lower Upper
 45 100
 46 38.3 16.6 66.2





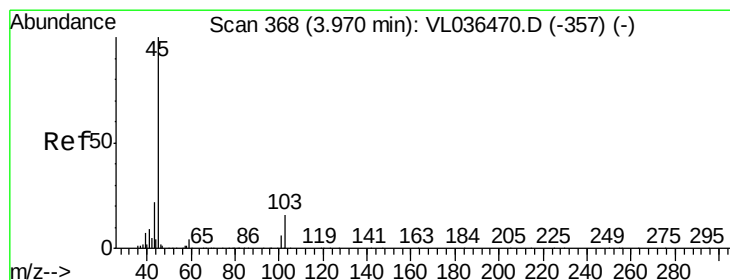
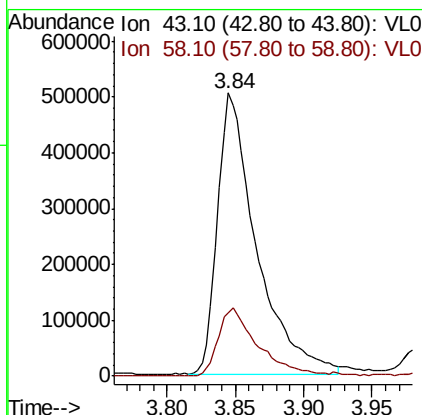
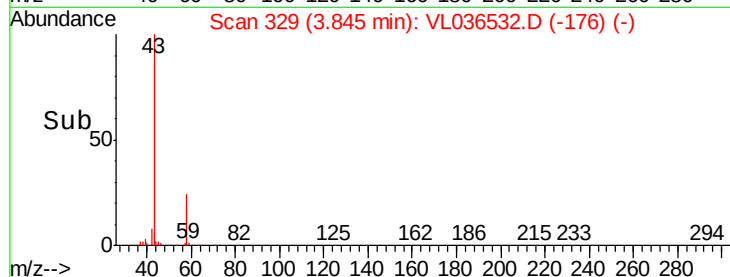
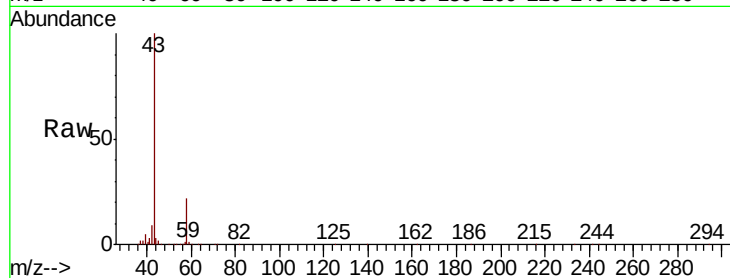
#15
Acetone
Concen: 7.199 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL036532.D
Acq: 27 Mar 2021 3:12

Instrument :
MSVOA_L
ClientSampleId :
SS-3-CAFETERIA-RM

Tot Ion: 43 Resp: 1001598
Ion Ratio Lower Upper
43 100
58 25.4 21.2 31.8

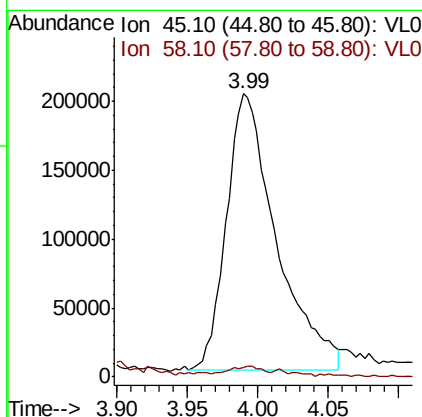
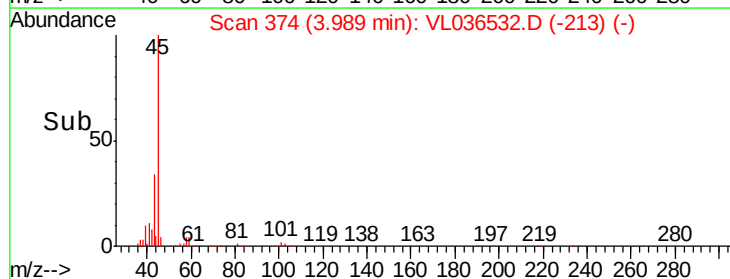
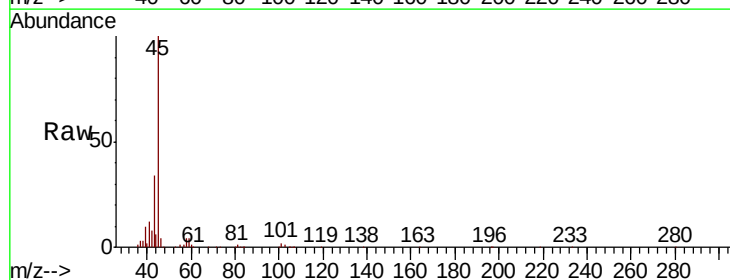
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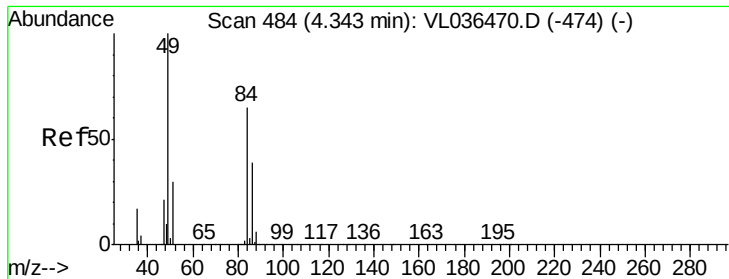
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#19
Isopropyl Alcohol
Concen: 6.452 ppbv
RT: 3.99 min Scan# 374
Delta R.T. 0.02 min
Lab File: VL036532.D
Acq: 27 Mar 2021 3:12

Tgt Ion: 45 Resp: 493757
Ion Ratio Lower Upper
45 100
58 4.7 2.9 4.3#





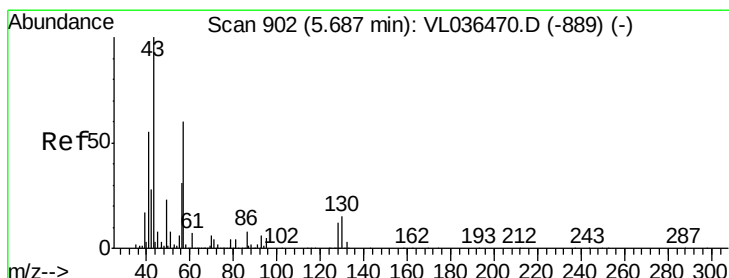
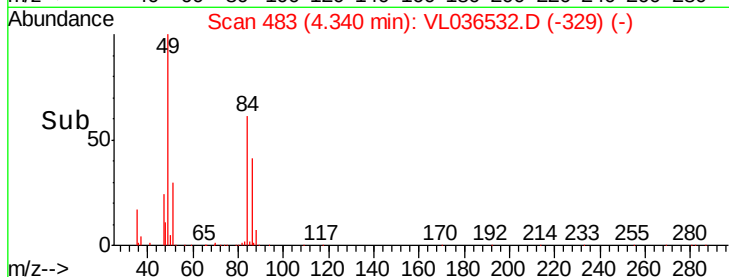
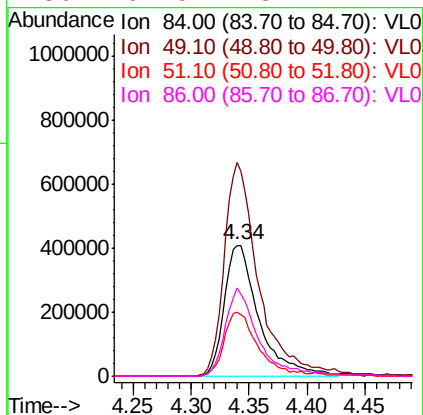
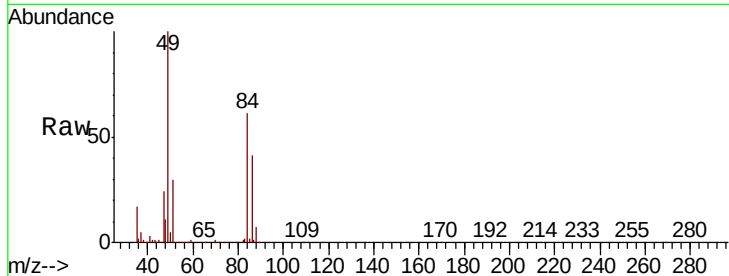
#20
Methvlene Chloride
Concen: 13.041 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL036532.D
Acq: 27 Mar 2021 3:12

Instrument :
MSVOA_L
ClientSampleId :
SS-3-CAFETERIA-RM

Tot Ion	Ion	Ratio	Resp	Lower	Upper
84	100				
49	163.3	122.9	184.3		
51	48.6	36.9	55.3		
86	67.5	48.2	72.4		

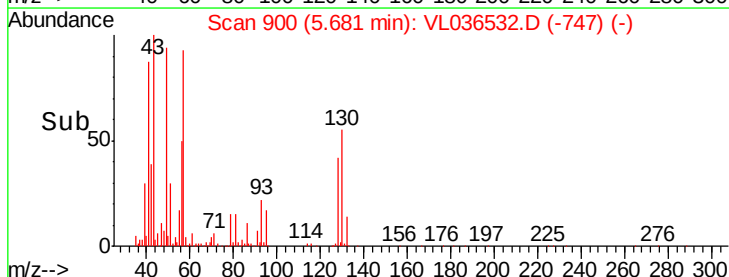
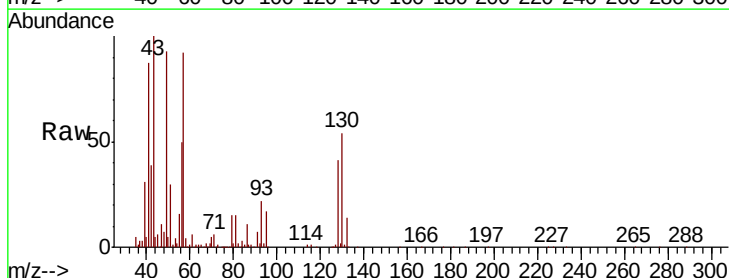
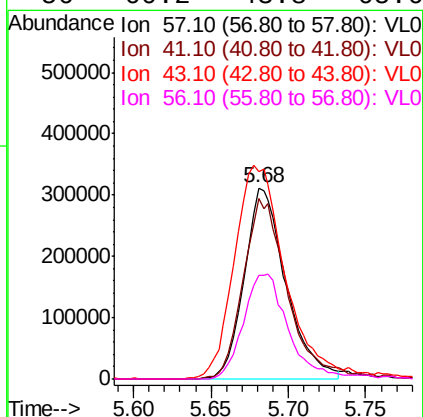
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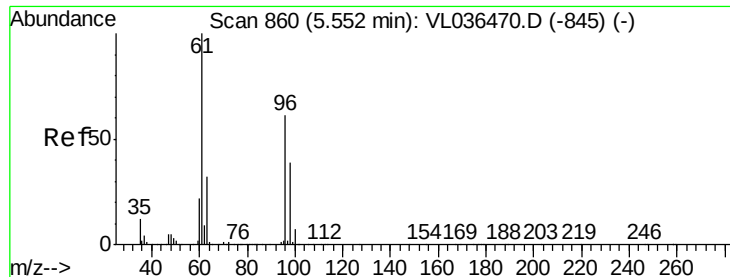
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#26
Hexane
Concen: 3.807 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL036532.D
Acq: 27 Mar 2021 3:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	101.3	77.2	115.8		
43	141.1	173.8	260.6#		
56	60.2	43.8	65.6		





#31

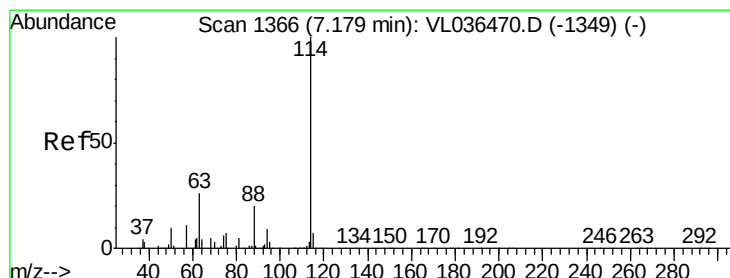
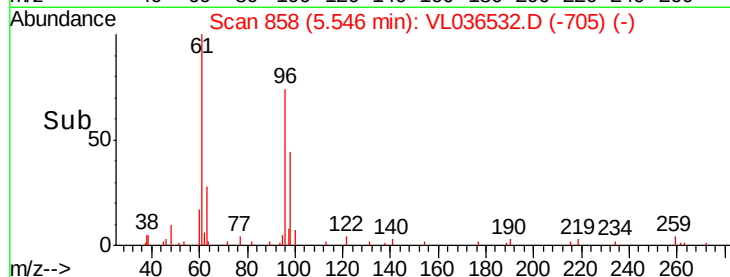
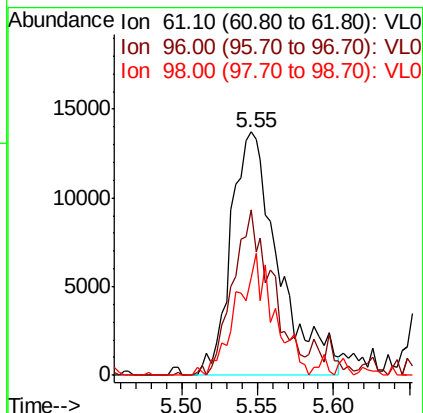
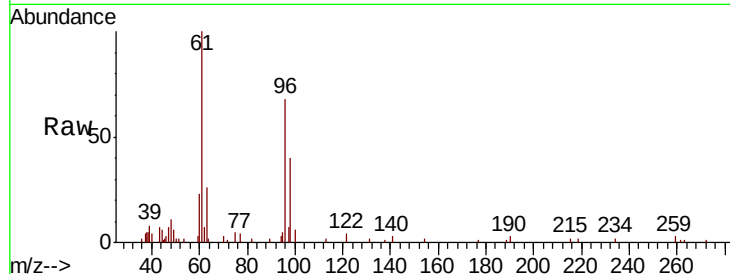
cis-1,2-Dichloroethene
Concen: 0.202 ppbv m
RT: 5.55 min Scan# 858
Delta R.T. -0.01 min
Lab File: VL036532.D
Acq: 27 Mar 2021 3:12

Instrument :
MSVOA_L
ClientSampleId :
SS-3-CAFETERIA-RM

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.8	48.7	73.1
98	40.3	31.4	47.0

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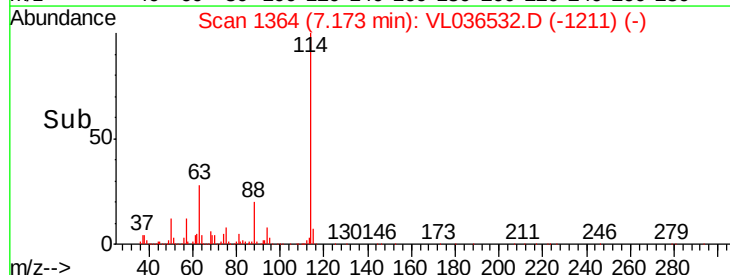
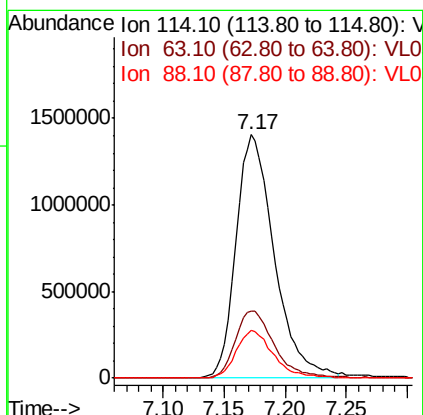
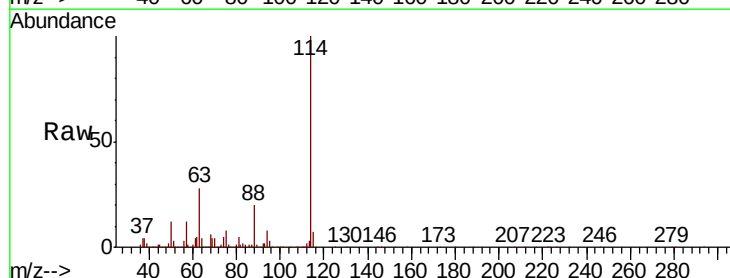
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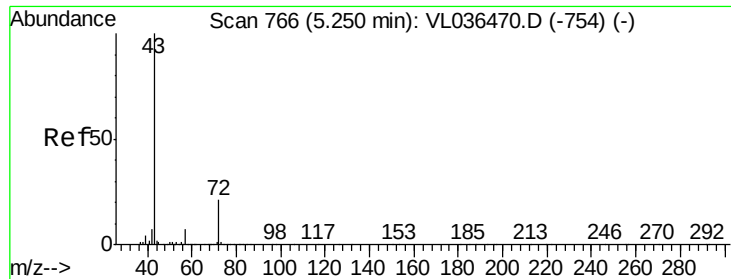


#33

1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL036532.D
Acq: 27 Mar 2021 3:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	28.6	22.4	33.6
88	19.2	15.4	23.0





#34

2-Butanone

Concen: 0.474 ppbv m

RT: 5.25 min Scan# 765

Delta R.T. -0.00 min

Lab File: VL036532.D

Acq: 27 Mar 2021 3:12

Instrument :

MSVOA_L

ClientSampleId :

SS-3-CAFETERIA-RM

Tot Ion: 43 Resp: 70760

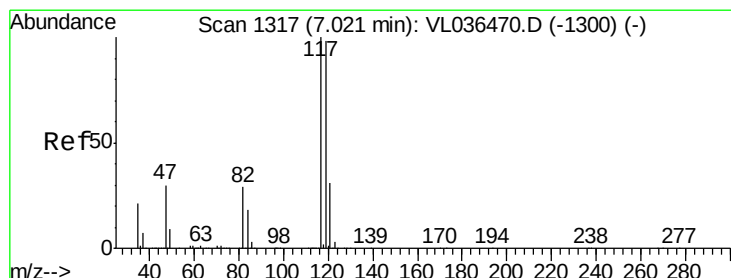
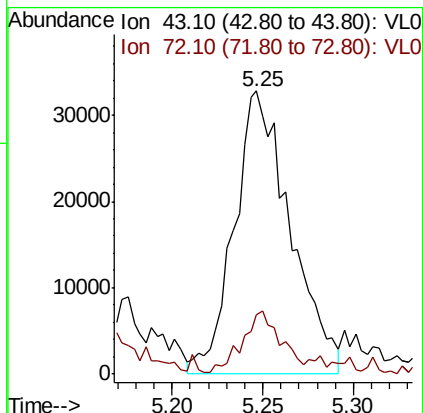
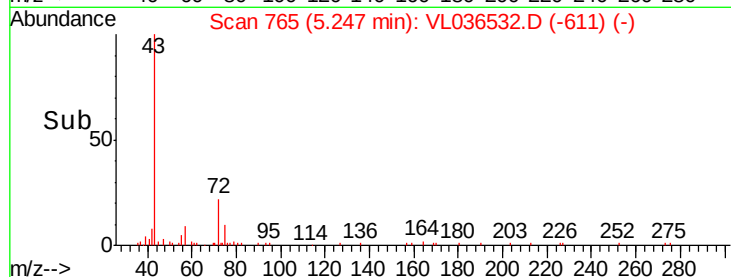
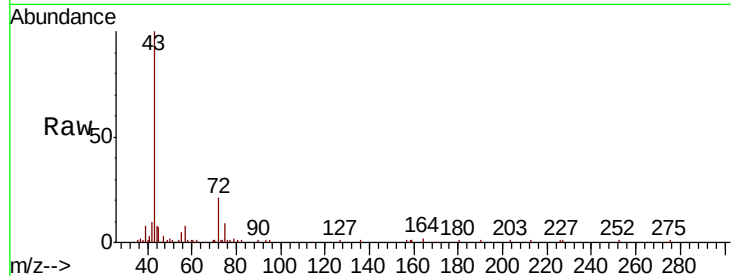
Ion Ratio Lower Upper

43 100

72 20.1 17.0 25.6

Manual Integrations
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#35

Carbon Tetrachloride

Concen: 0.061 ppbv m

RT: 7.01 min Scan# 1312

Delta R.T. -0.02 min

Lab File: VL036532.D

Acq: 27 Mar 2021 3:12

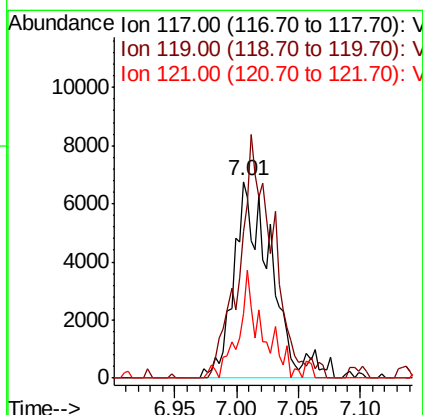
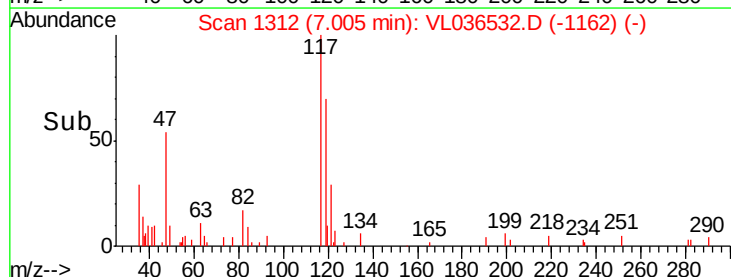
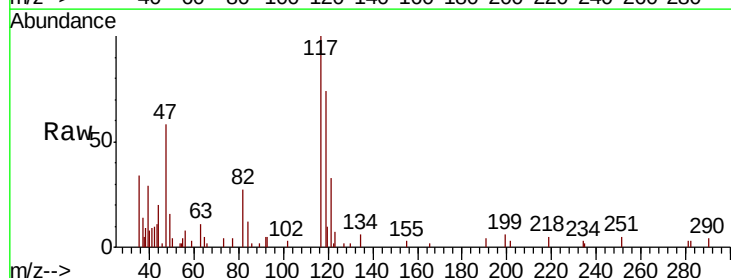
Tgt Ion: 117 Resp: 14239

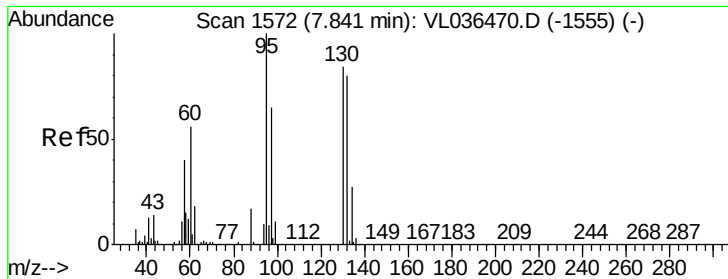
Ion Ratio Lower Upper

117 100

119 74.4 78.2 117.2#

121 32.9 24.5 36.7





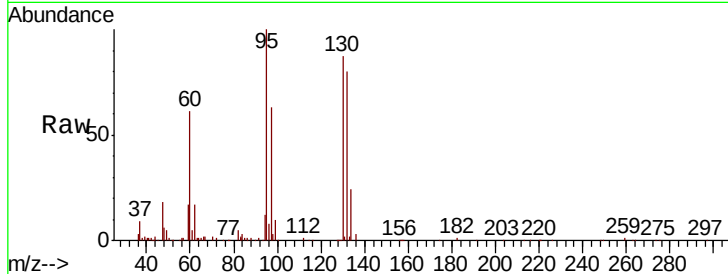
#38
 Trichloroethene
 Concen: 1.466 ppbv m
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VL036532.D
 Acq: 27 Mar 2021 3:12

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-3-CAFETERIA-RM

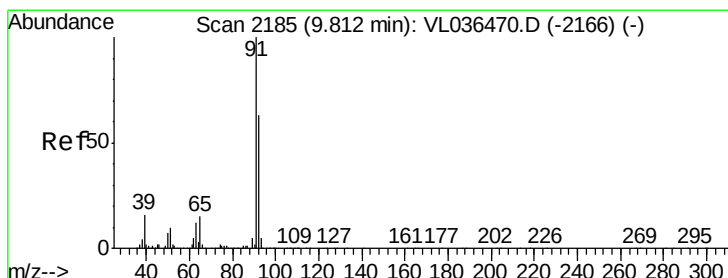
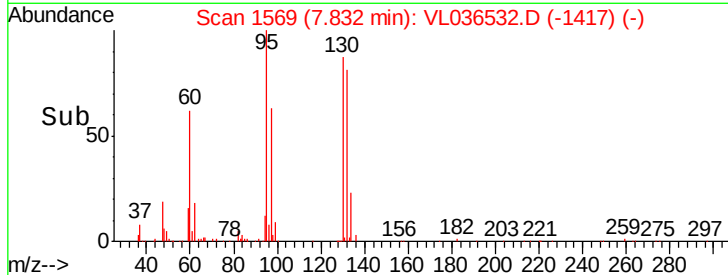
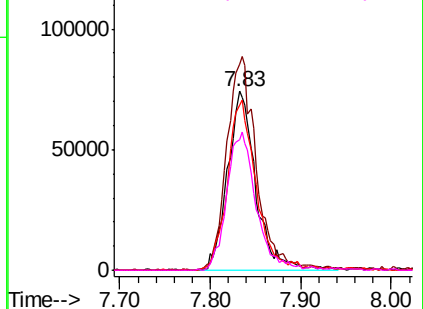
Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100		160798		
95	114.9	95.7	143.5		
132	92.4	76.2	114.4		
97	72.9	61.8	92.6		

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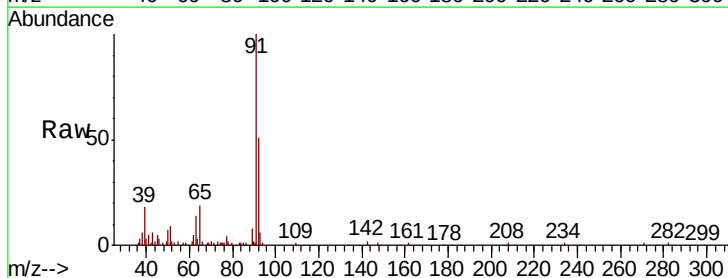


Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0

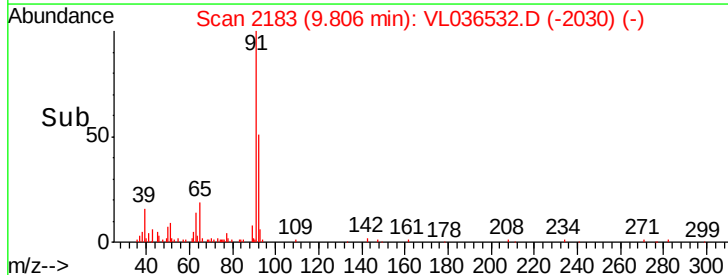
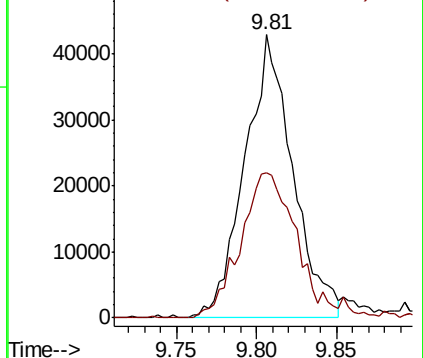


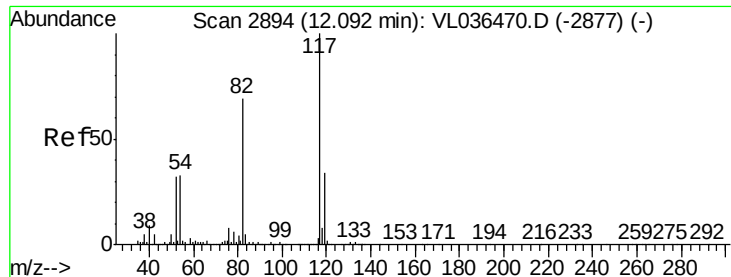
#53
 Toluene
 Concen: 0.294 ppbv
 RT: 9.81 min Scan# 2183
 Delta R.T. -0.01 min
 Lab File: VL036532.D
 Acq: 27 Mar 2021 3:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		88272		
92	60.8	48.8	73.2		



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0





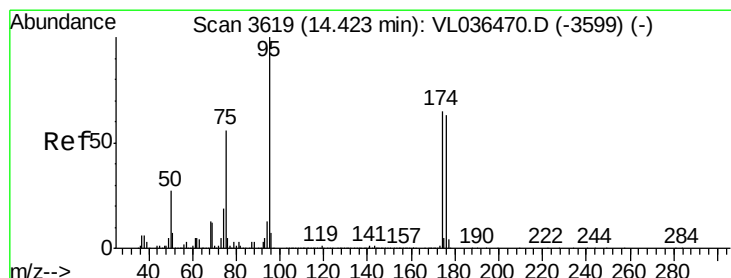
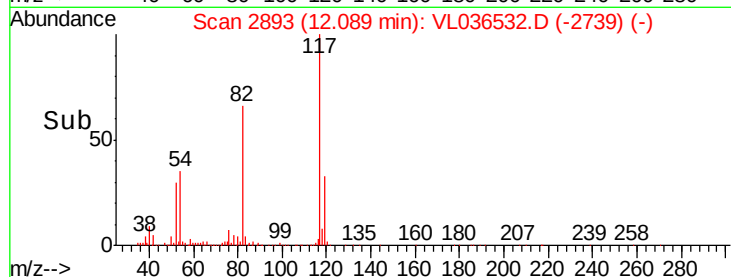
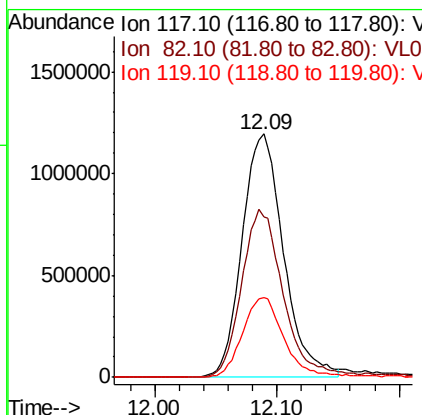
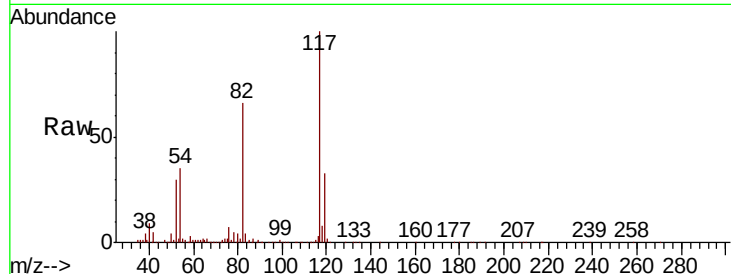
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL036532.D
Acq: 27 Mar 2021 3:12

Instrument :
MSVOA_L
ClientSampleId :
SS-3-CAFETERIA-RM

Tot Ion:117 Resp: 2804910
Ion Ratio Lower Upper
117 100
82 71.3 57.4 86.0
119 33.7 47.4 71.0#

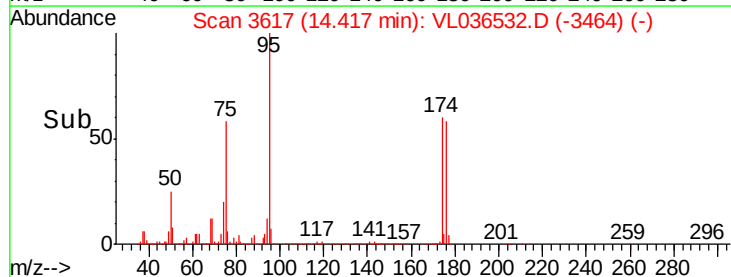
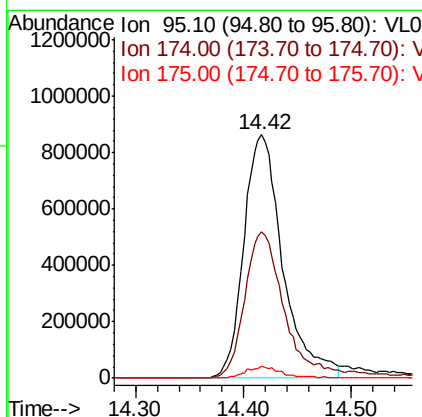
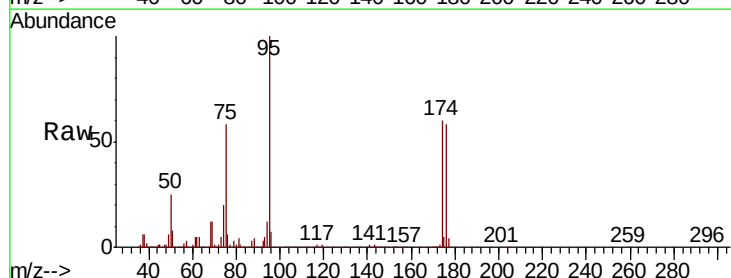
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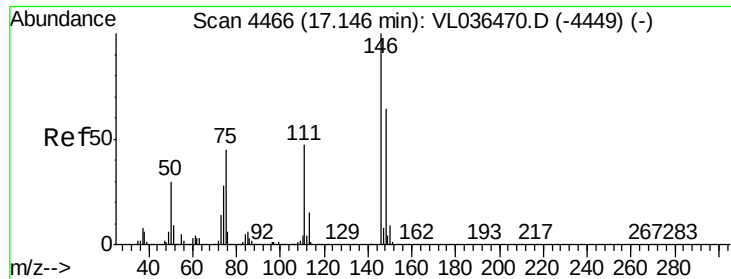
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.682 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL036532.D
Acq: 27 Mar 2021 3:12

Tgt Ion: 95 Resp: 2164504
Ion Ratio Lower Upper
95 100
174 64.5 51.0 76.6
175 4.8 3.9 5.9





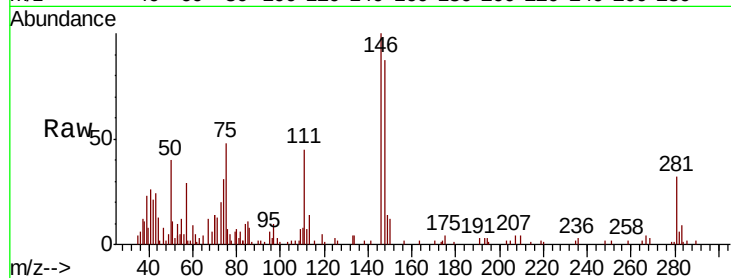
#76
 1,4-Dichlorobenzene
 Concen: 0.185 ppbv m
 RT: 17.14 min Scan# 4463
 Delta R.T. -0.01 min
 Lab File: VL036532.D
 Acq: 27 Mar 2021 3:12

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-3-CAFETERIA-RM

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.3	72.8#
148	0.0	33.0	98.9#

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Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

