

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040621\
 Data File : VL036720.D
 Acq On : 7 Apr 2021 8:20
 Operator : SY/AP
 Sample : M1929-01
 Misc : 400mL/MSVOA L
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 FS-SV1-FIELD

Manual Integrations
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 4/12/2021 11:12:03 AM

Quant Time: Apr 08 01:38:40 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 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	1250248	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2966196	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2651439	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.41	95	2047656	9.69	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	44598	0.219	ppbv #	77
3) Chlorodifluoromethane	2.99	51	56971m	0.244	ppbv	
4) Chloromethane	3.13	50	51354	0.622	ppbv #	86
9) Propene	3.02	41	37692m	0.506	ppbv	
11) Trichlorofluoromethane	3.95	101	41297	0.199	ppbv	85
13) Ethanol	3.61	45	132363m	14.926	ppbv	
15) Acetone	3.85	43	578371	4.700	ppbv	97
19) Isopropyl Alcohol	3.99	45	78590	1.161	ppbv #	89
20) Methylene Chloride	4.34	84	536895	9.319	ppbv	93
26) Hexane	5.68	57	314433	2.316	ppbv #	47
34) 2-Butanone	5.24	43	66510m	0.459	ppbv	
35) Carbon Tetrachloride	7.01	117	13415m	0.059	ppbv	
36) Benzene	6.89	78	39564m	0.145	ppbv	
44) 2,2,4-Trimethylpentane	7.87	57	75293m	0.156	ppbv	
53) Toluene	9.80	91	181233m	0.622	ppbv	

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

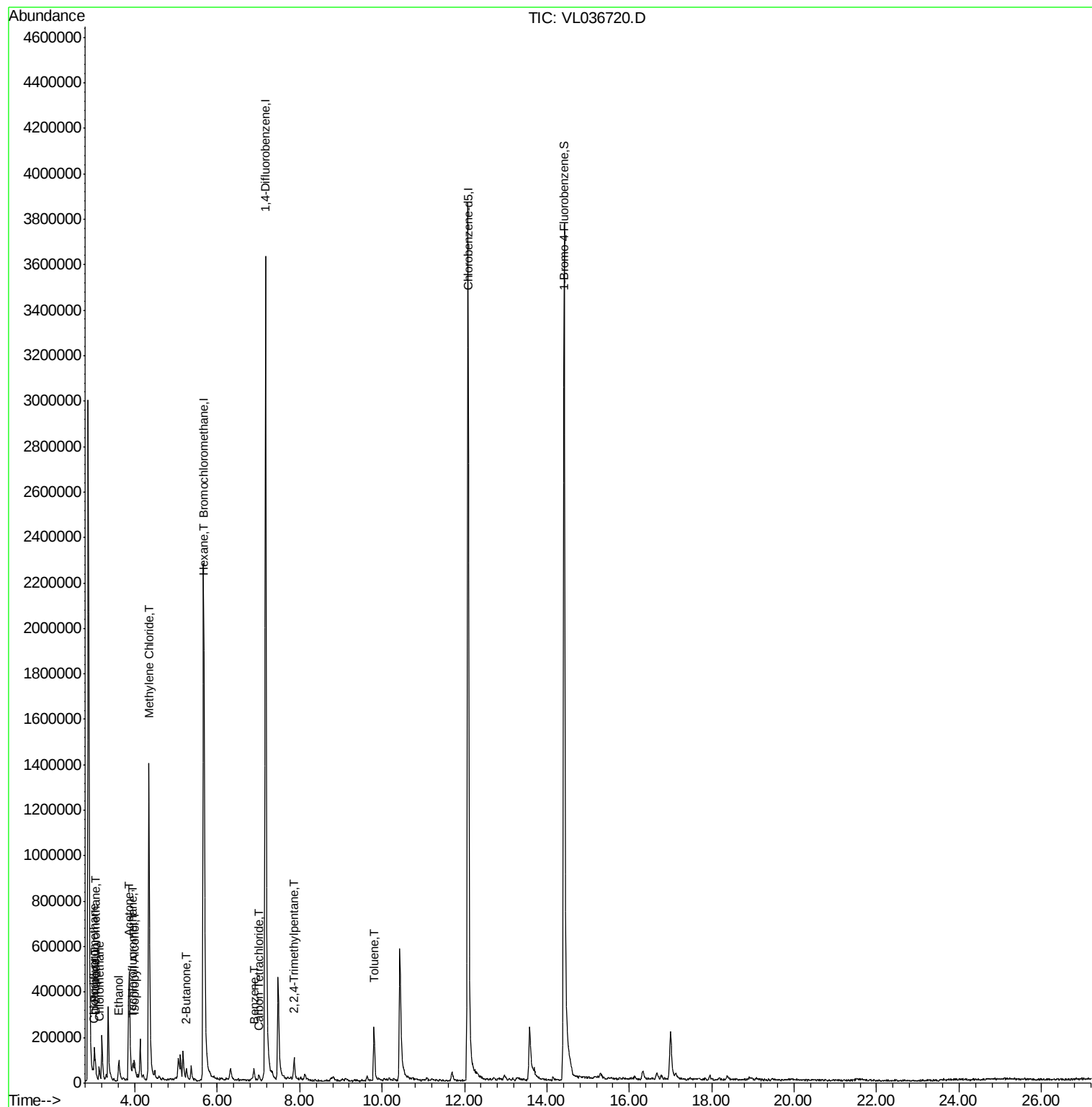
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040621\
Data File : VL036720.D
Acq On : 7 Apr 2021 8:20
Operator : SY/AP
Sample : M1929-01
Misc : 400mL/MSVOA L
ALS Vial : 7 Sample Multiplier: 1

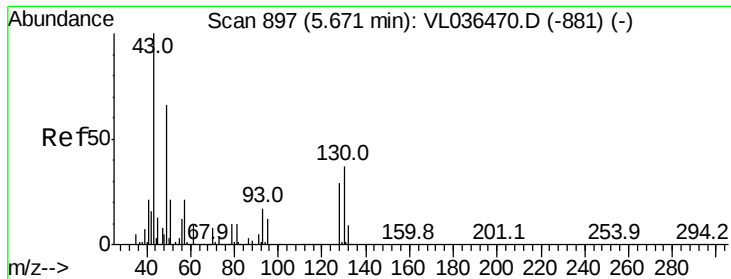
Instrument :
MSVOA_L
ClientSampleId :
FS-SV1-FIELD

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4/12/2021 11:12:03 AM

Quant Time: Apr 08 01:38:40 2021
Quant Method : Z:\VOASRV\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

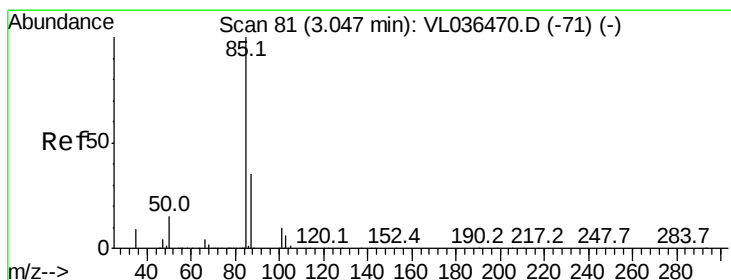
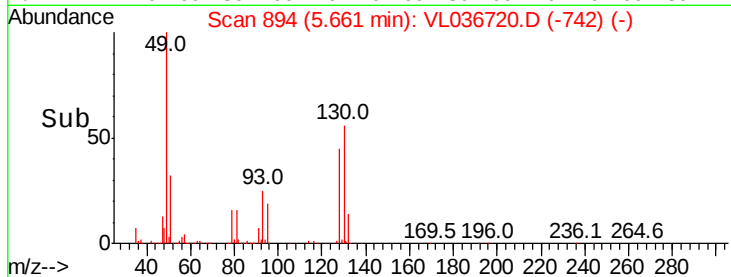
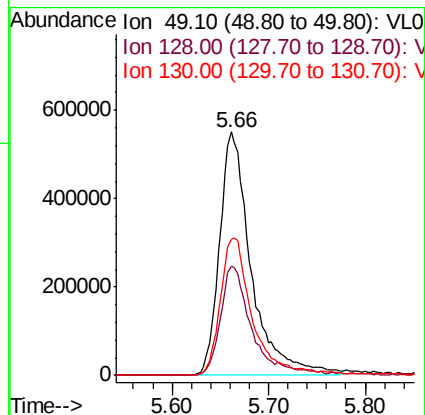
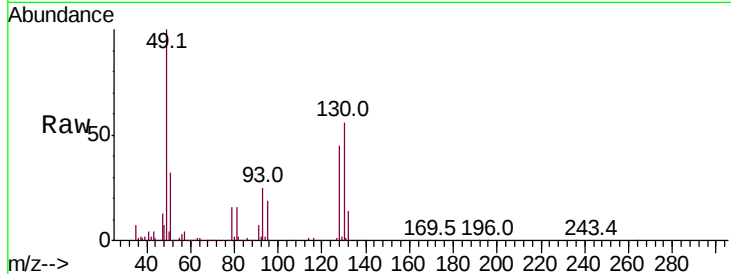
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: VL036720.D
 Acq: 7 Apr 2021 8:20

Instrument :
 MSVOA_L
 ClientSampleId :
 FS-SV1-FIELD

Tot Ion	Ratio	Lower	Upper
49	100		
128	45.3	23.5	70.6
130	57.8	29.1	87.4

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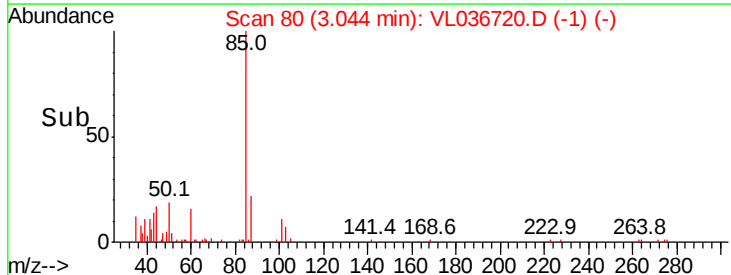
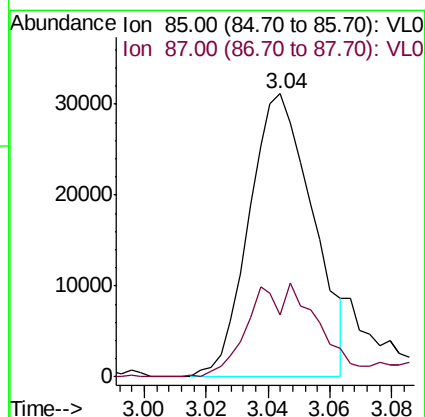
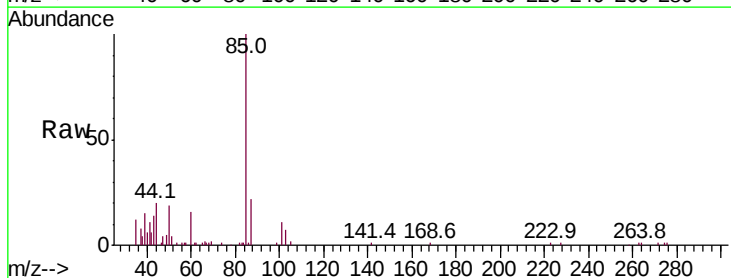
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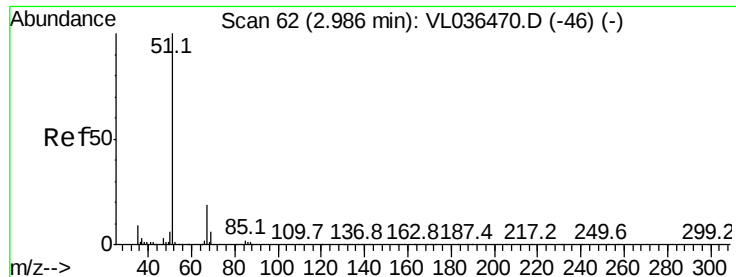


#2

Dichlorodifluoromethane
 Concen: 0.219 ppbv
 RT: 3.04 min Scan# 80
 Delta R.T. -0.00 min
 Lab File: VL036720.D
 Acq: 7 Apr 2021 8:20

Tgt Ion	Ratio	Lower	Upper
85	100		
87	21.2	27.8	41.8#





#3

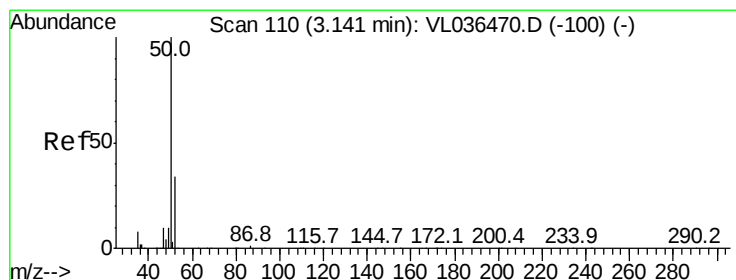
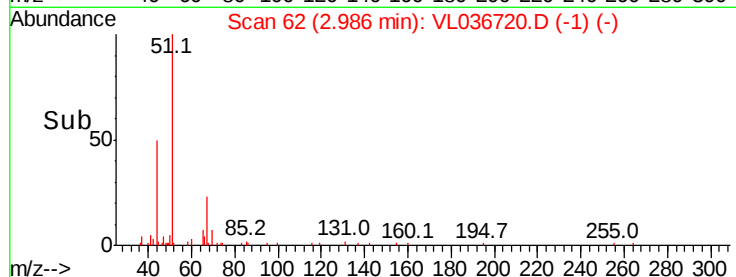
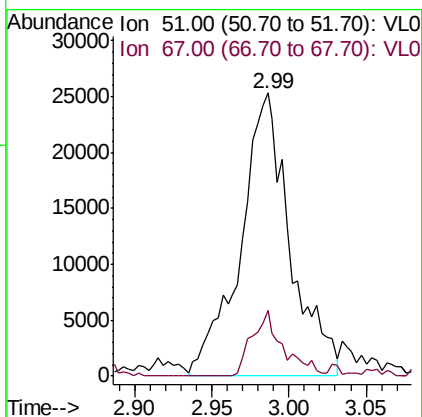
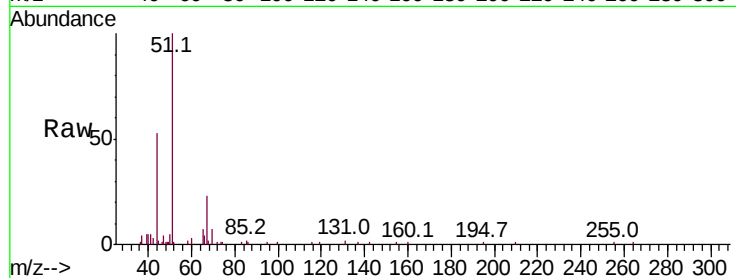
Chlorodifluoromethane
Concen: 0.244 ppbv
RT: 2.99 min Scan# 62
Delta R.T. -0.00 min
Lab File: VL036720.D
Acq: 7 Apr 2021 8:20

Instrument :
MSVOA_L
ClientSampleId :
FS-SV1-FIELD

Tot Ion	Ratio	Lower	Upper
51	100		
67	1.2	14.7	22.1#

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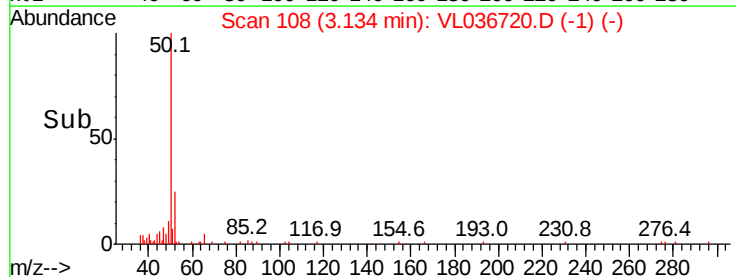
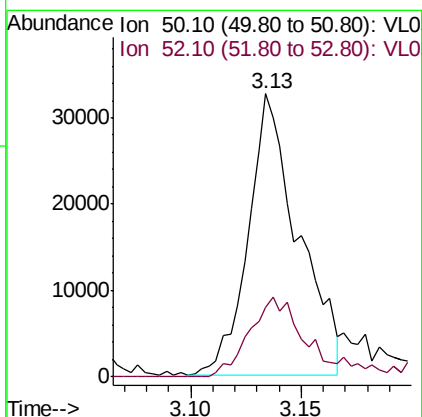
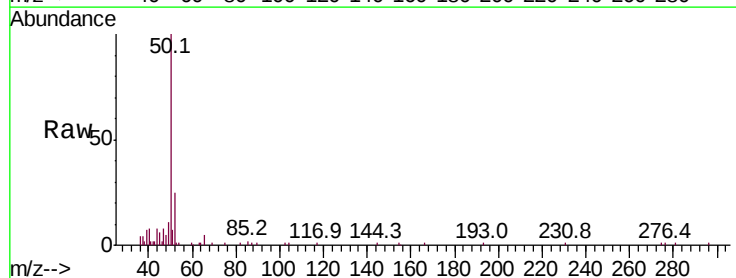
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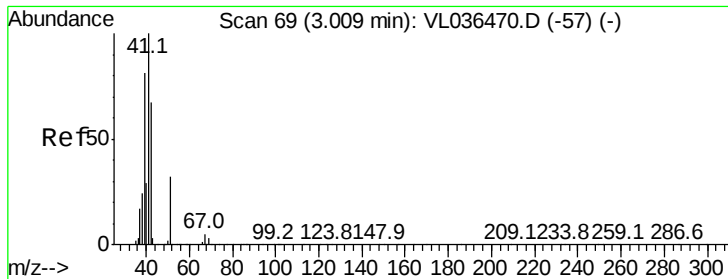


#4

Chloromethane
Concen: 0.622 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.01 min
Lab File: VL036720.D
Acq: 7 Apr 2021 8:20

Tgt Ion	Ratio	Lower	Upper
50	100		
52	26.0	27.0	40.6#





#9

Propene

Concen: 0.506 ppbv m

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL036720.D

Acq: 7 Apr 2021 8:20

Instrument :

MSVOA_L

ClientSampleId :

FS-SV1-FIELD

Tot Ion: 41 Resp: 37692

Ion Ratio Lower Upper

41 100

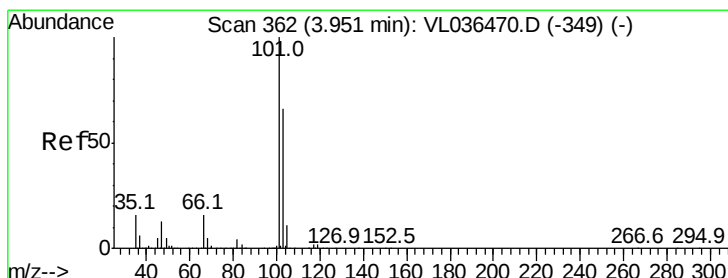
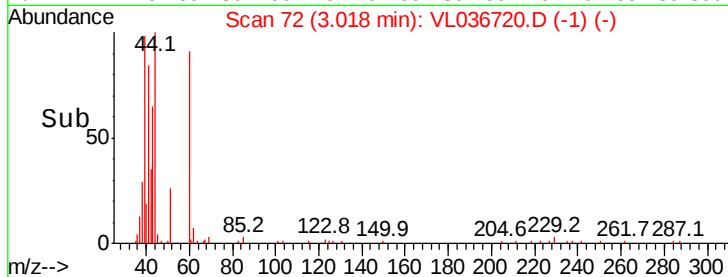
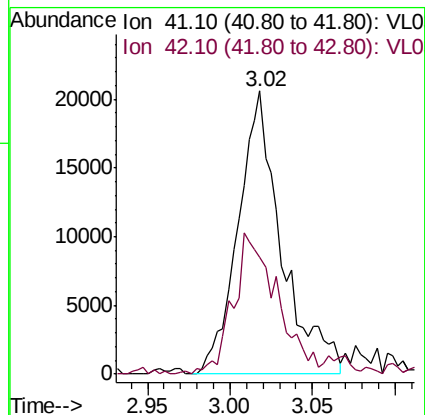
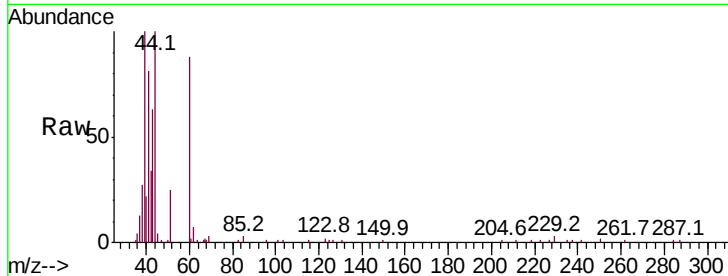
42 54.3 57.0 85.4#

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#11

Trichlorofluoromethane

Concen: 0.199 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.00 min

Lab File: VL036720.D

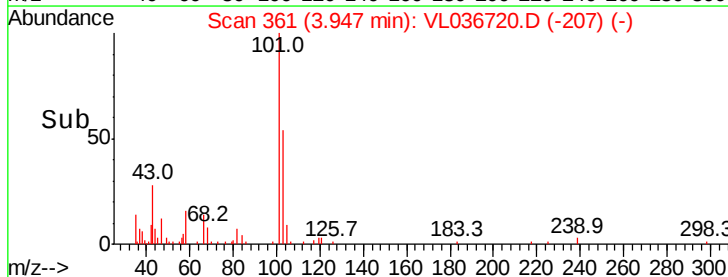
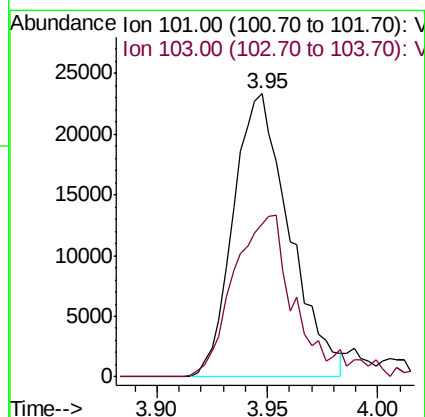
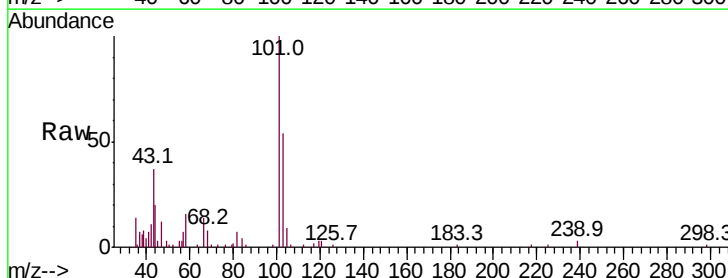
Acq: 7 Apr 2021 8:20

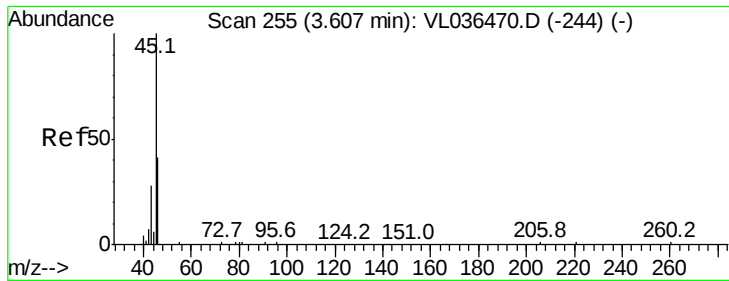
Tgt Ion: 101 Resp: 41297

Ion Ratio Lower Upper

101 100

103 53.4 52.5 78.7





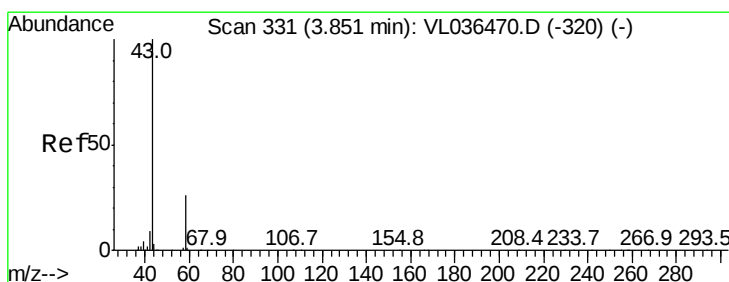
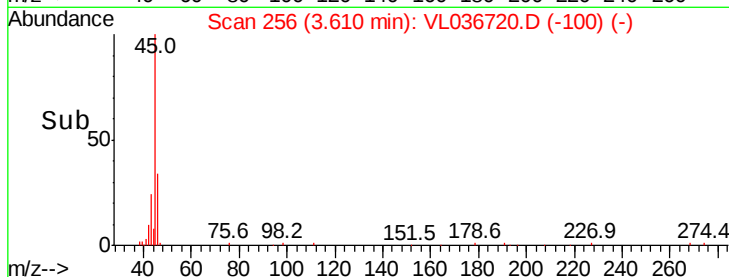
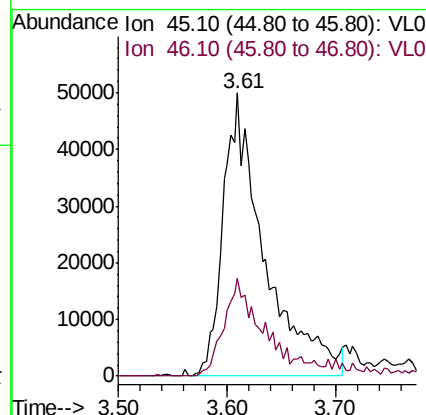
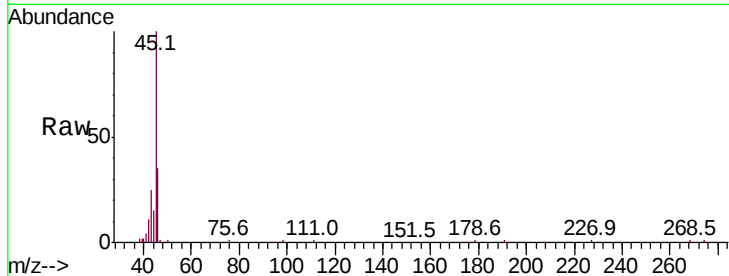
#13
Ethanol
Concen: 14.926 ppbv m
RT: 3.61 min Scan# 256
Delta R.T. 0.00 min
Lab File: VL036720.D
Acq: 7 Apr 2021 8:20

Instrument :
MSVOA_L
ClientSampleId :
FS-SV1-FIELD

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.1	16.6	66.2

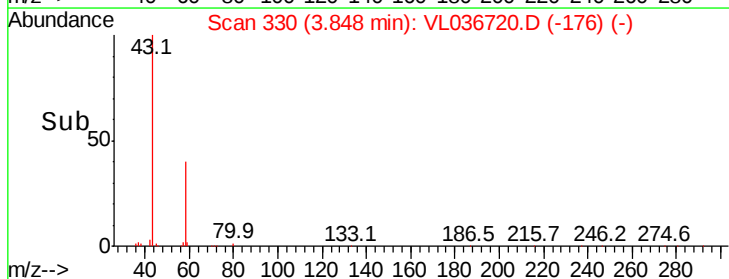
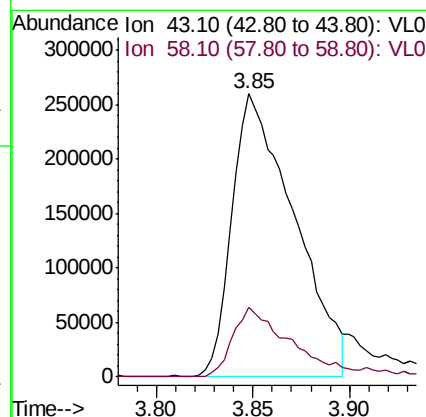
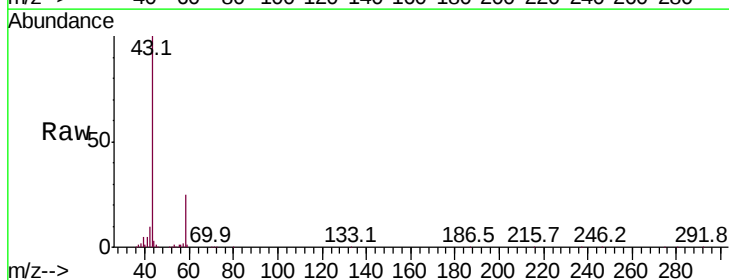
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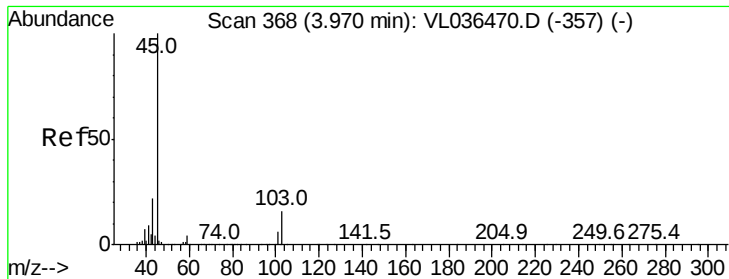
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#15
Acetone
Concen: 4.700 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL036720.D
Acq: 7 Apr 2021 8:20

Tgt Ion	Ratio	Lower	Upper
43	100		
58	24.9	21.2	31.8





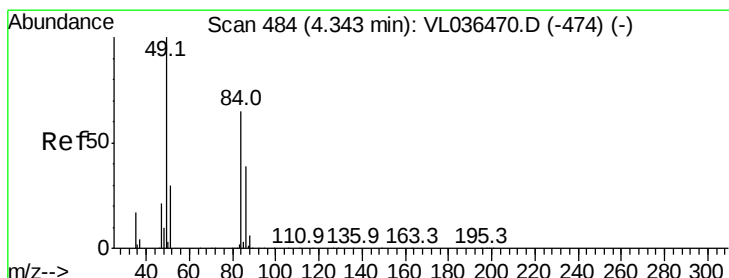
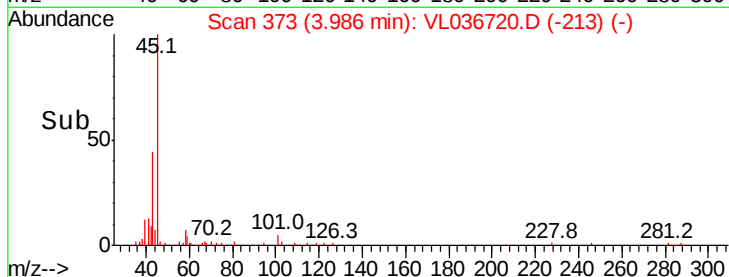
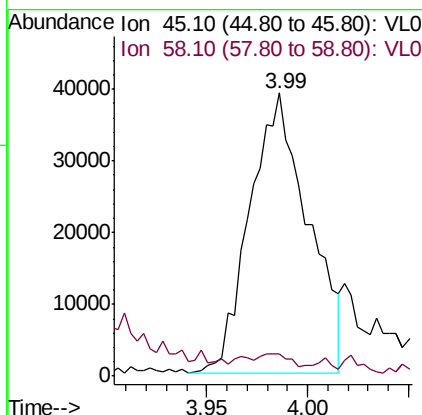
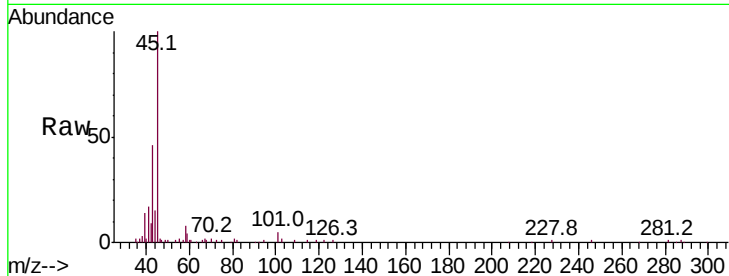
#19
Isopropyl Alcohol
Concen: 1.161 ppbv
RT: 3.99 min Scan# 373
Delta R.T. 0.02 min
Lab File: VL036720.D
Acq: 7 Apr 2021 8:20

Instrument :
MSVOA_L
ClientSampleId :
FS-SV1-FIELD

Tot Ion: 45 Resp: 78590
Ion Ratio Lower Upper
45 100
58 0.0 2.9 4.3#

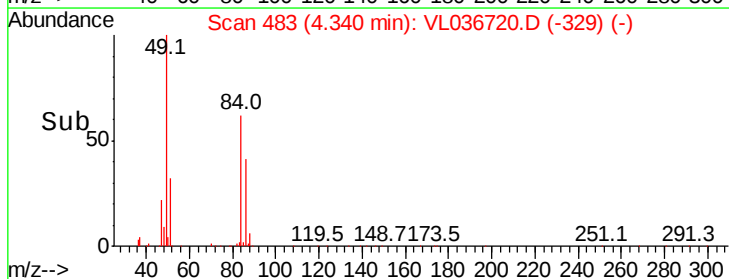
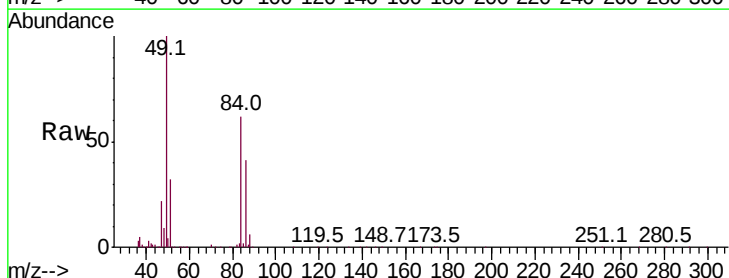
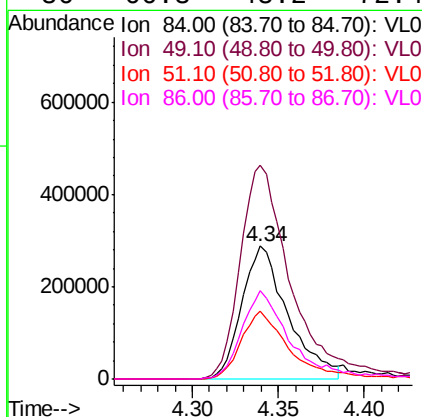
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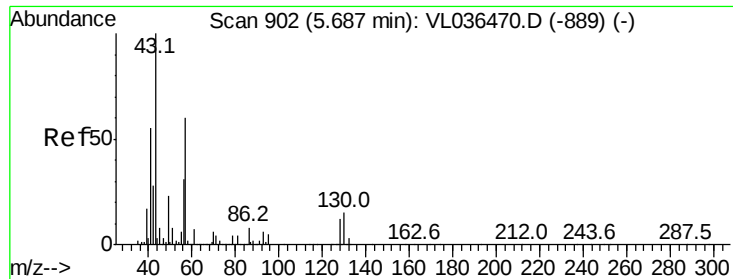
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#20
Methylene Chloride
Concen: 9.319 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL036720.D
Acq: 7 Apr 2021 8:20

Tgt Ion: 84 Resp: 536895
Ion Ratio Lower Upper
84 100
49 161.2 122.9 184.3
51 50.8 36.9 55.3
86 66.3 48.2 72.4





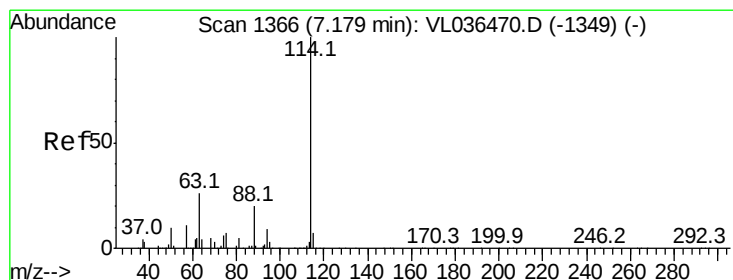
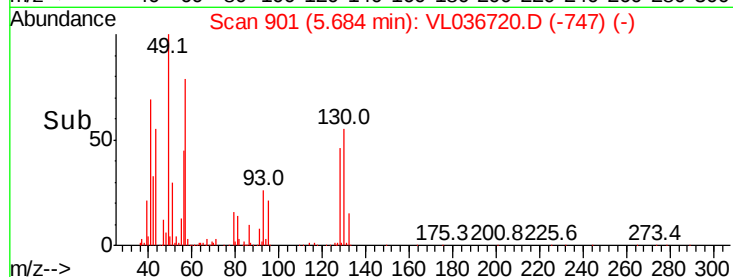
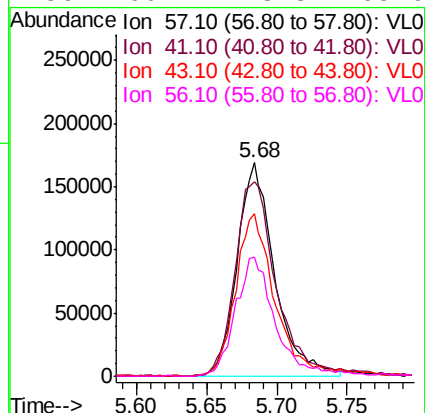
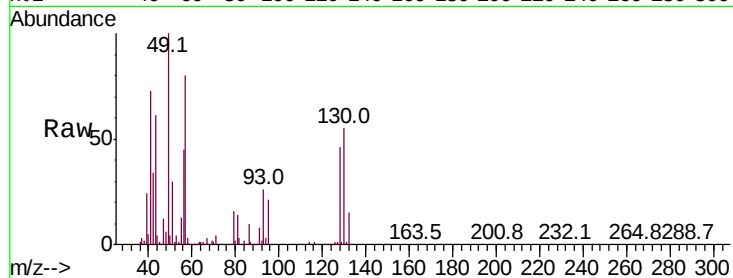
#26
Hexane
Concen: 2.316 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL036720.D
Acq: 7 Apr 2021 8:20

Instrument :
MSVOA_L
ClientSampleId :
FS-SV1-FIELD

Tot Ion	Ratio	Lower	Upper
57	100		
41	102.0	77.2	115.8
43	81.5	173.8	260.6#
56	60.1	43.8	65.6

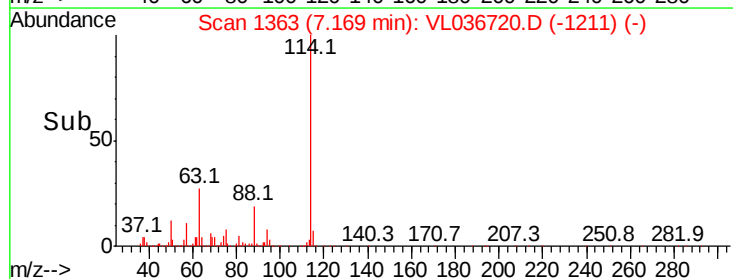
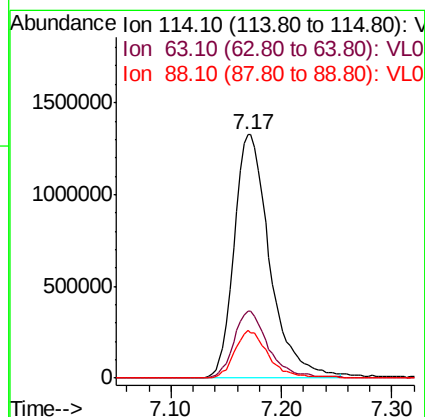
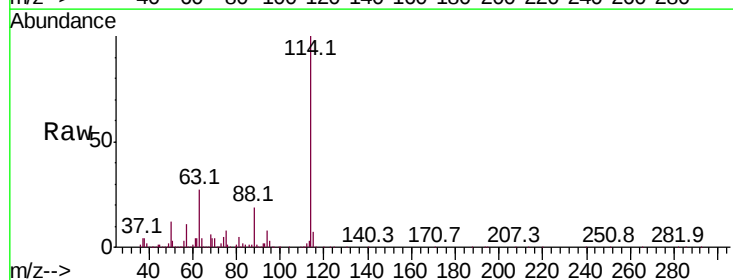
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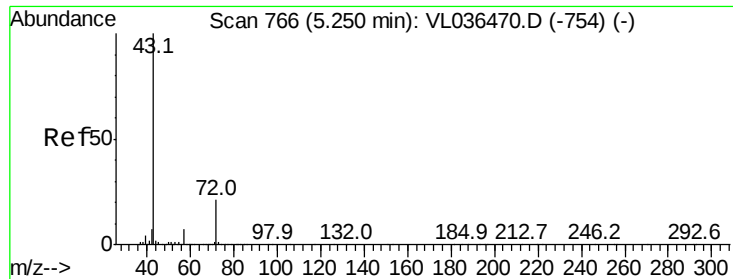
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL036720.D
Acq: 7 Apr 2021 8:20

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.1	22.4	33.6
88	19.0	15.4	23.0





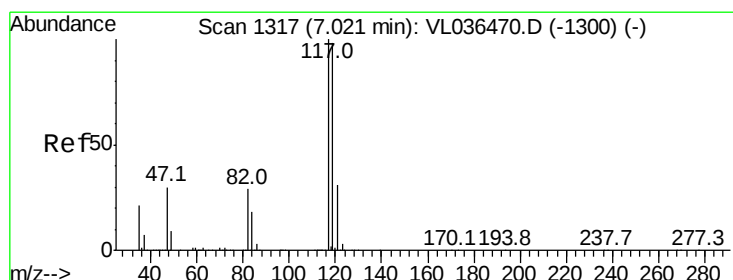
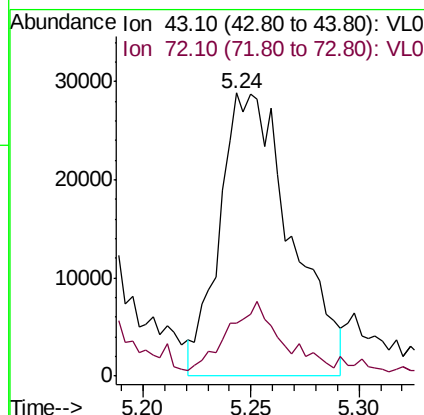
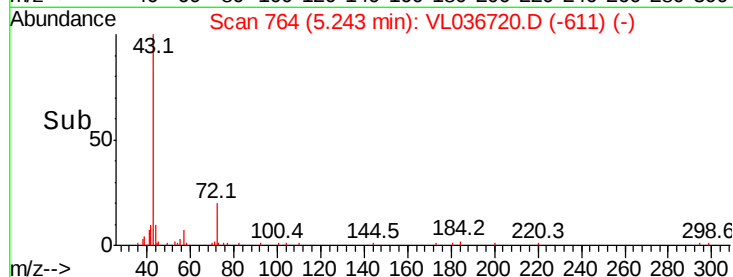
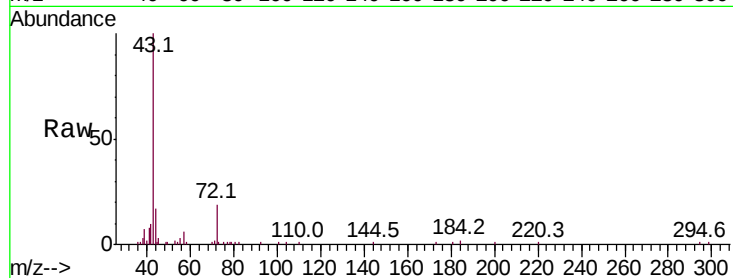
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2-Butanone
Concen: 0.459 ppbv m
RT: 5.24 min Scan# 764
Delta R.T. -0.01 min
Lab File: VL036720.D
Acq: 7 Apr 2021 8:20

Instrument :
MSVOA_L
ClientSampleId :
FS-SV1-FIELD

Tot Ion: 43 Resp: 66510
Ion Ratio Lower Upper
43 100
72 0.0 17.0 25.6#

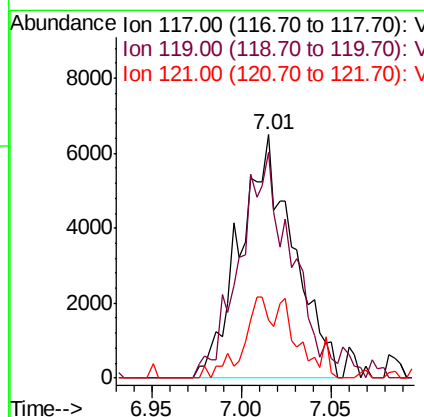
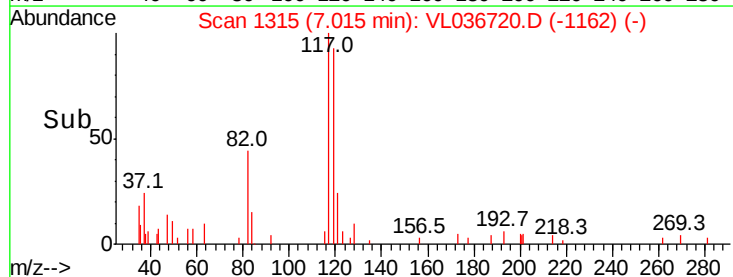
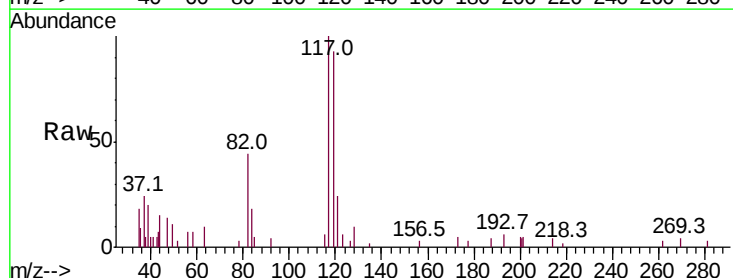
Manual Integrations
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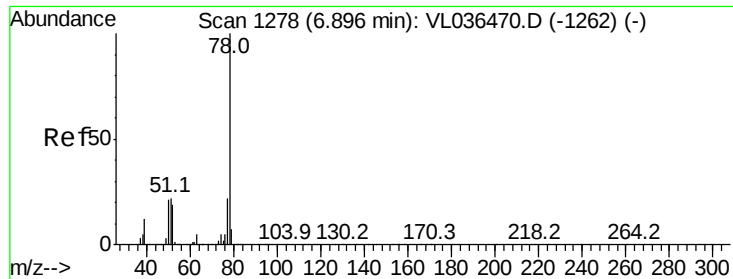
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#35
Carbon Tetrachloride
Concen: 0.059 ppbv m
RT: 7.01 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VL036720.D
Acq: 7 Apr 2021 8:20

Tgt Ion: 117 Resp: 13415
Ion Ratio Lower Upper
117 100
119 92.8 78.2 117.2
121 23.6 24.5 36.7#





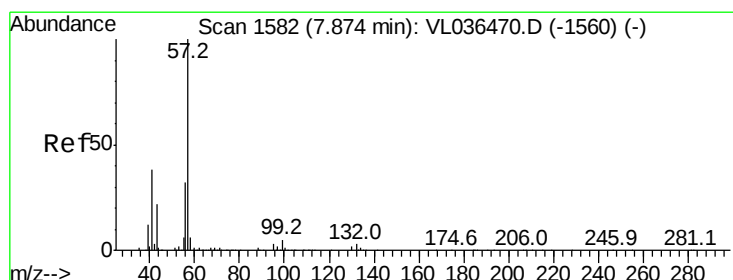
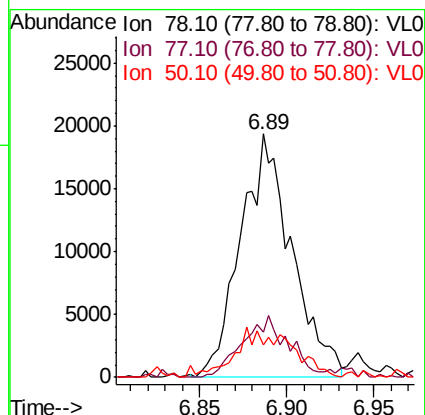
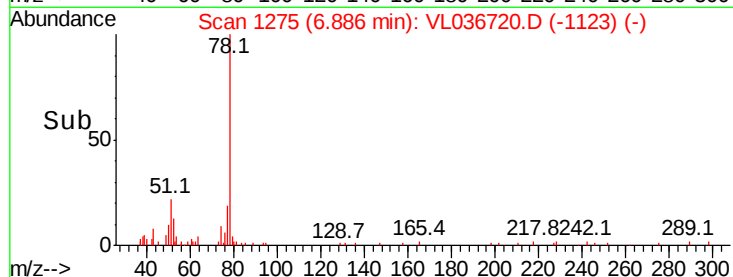
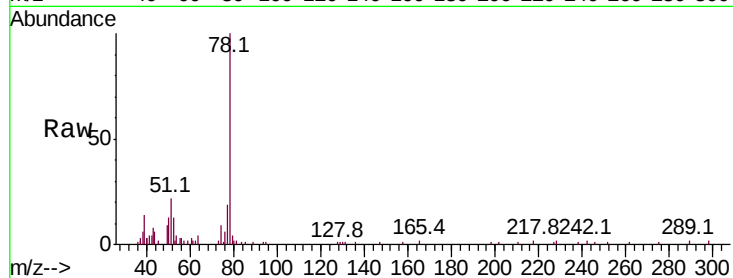
#36
Benzene
Concen: 0.145 ppbv m
RT: 6.89 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VL036720.D
Acq: 7 Apr 2021 8:20

Instrument :
MSVOA_L
ClientSampleId :
FS-SV1-FIELD

Tot Ion	Ratio	Lower	Upper
78	100		
77	18.6	18.0	27.0
50	13.4	16.5	24.7#

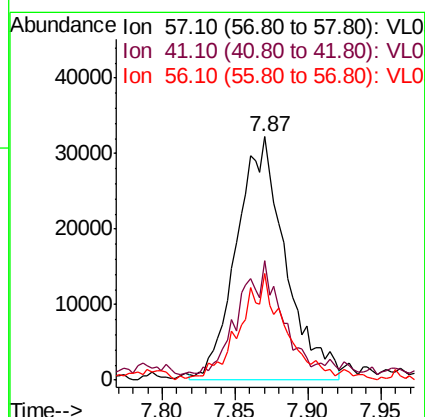
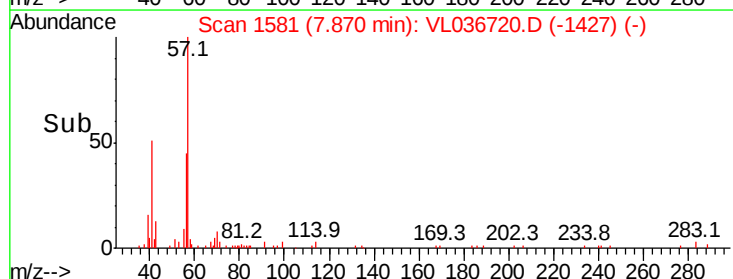
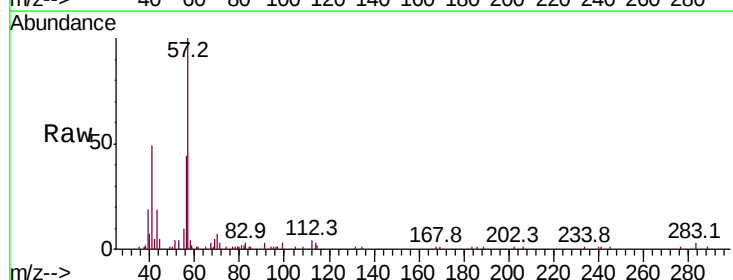
Manual Integrations
APPROVED

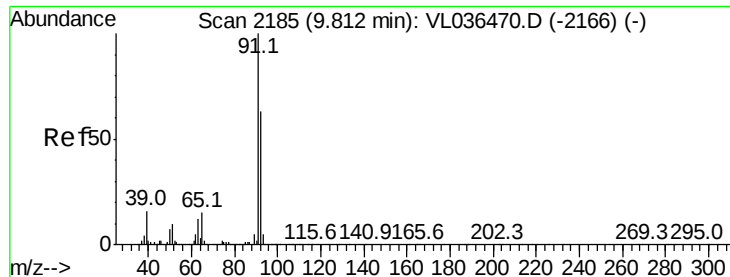
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4/12/2021 11:12:03 AM



#44
2,2,4-Trimethylpentane
Concen: 0.156 ppbv m
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL036720.D
Acq: 7 Apr 2021 8:20

Tgt Ion	Ratio	Lower	Upper
57	100		
41	0.0	28.8	43.2#
56	0.0	26.1	39.1#





#53

Toluene

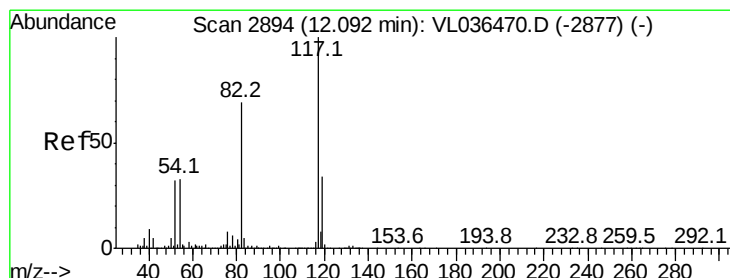
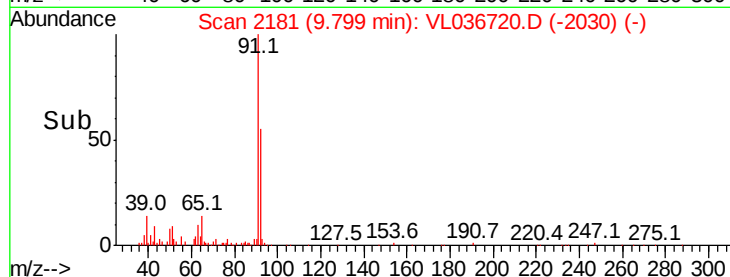
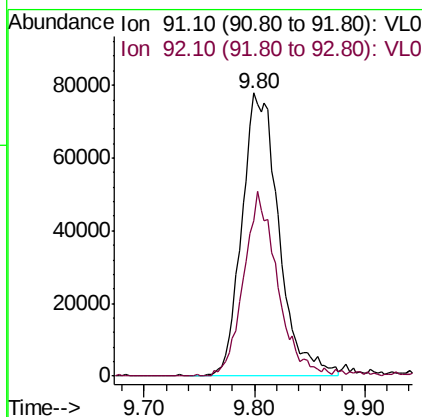
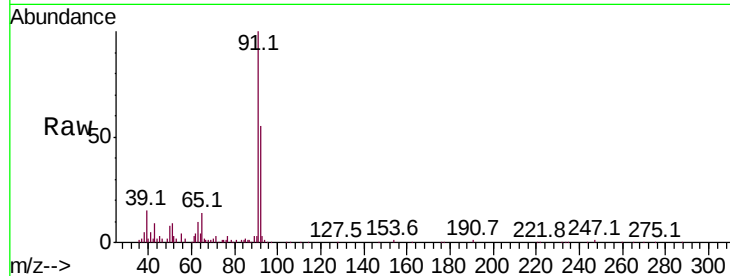
Concen: 0.622 ppbv m
RT: 9.80 min Scan# 2181
Delta R.T. -0.01 min
Lab File: VL036720.D
Acq: 7 Apr 2021 8:20

Instrument :
MSVOA_L
ClientSampleId :
FS-SV1-FIELD

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.4	48.8	73.2

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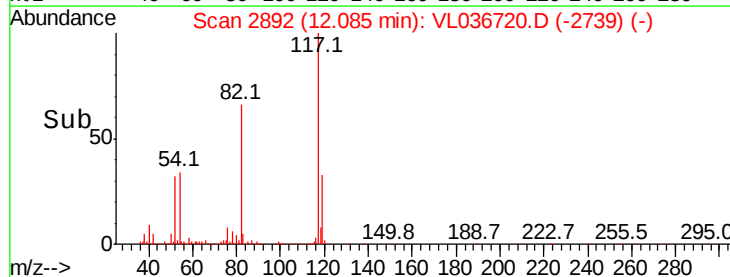
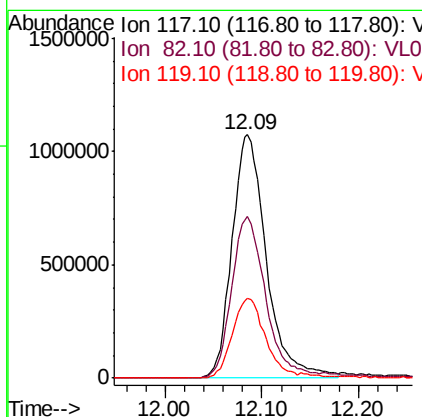
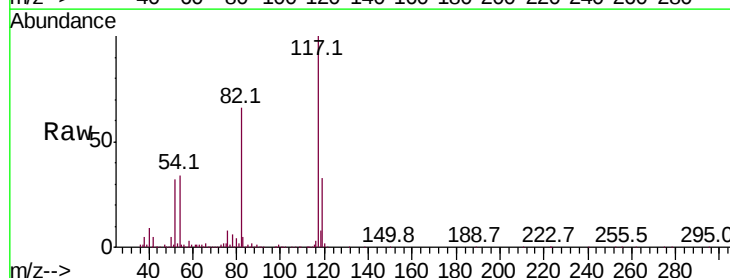


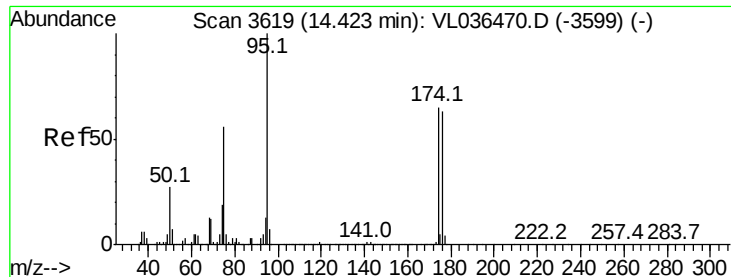
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL036720.D
Acq: 7 Apr 2021 8:20

Tgt Ion	Ratio	Lower	Upper
117	100		
82	68.6	57.4	86.0
119	33.2	47.4	71.0#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.690 ppbv
 RT: 14.41 min Scan# 3616
 Delta R.T. -0.01 min
 Lab File: VL036720.D
 Acq: 7 Apr 2021 8:20

Instrument :
 MSVOA_L
 ClientSampleId :
 FS-SV1-FIELD

Tot Ion: 95 Resp: 2047656
 Ion Ratio Lower Upper
 95 100
 174 67.1 51.0 76.6
 175 5.1 3.9 5.9

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 11:12:03 AM

