

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036570.D
 Acq On : 30 Mar 2021 15:00
 Operator : SY/AP
 Sample : M1797-02 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MF-SG-02(2021)

Manual Integrations
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 4/1/2021 10:58:14 AM

Quant Time: Mar 31 06:54:21 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 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	5.65	49	1275333	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2912536	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	2623901	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2154808	10.30	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.60	45	352641	38.984	ppbv	95
15) Acetone	3.84	43	631154	5.028	ppbv	97
17) tert-Butyl alcohol	4.30	59	11368	0.104	ppbv	97
19) Isopropyl Alcohol	3.99	45	121688	1.762	ppbv #	1
20) Methylene Chloride	4.33	84	213669	3.636	ppbv	94
26) Hexane	5.67	57	482091	3.481	ppbv #	46
30) Cyclohexane	7.14	84	17311m	0.154	ppbv	
32) 1,1,1-Trichloroethane	6.49	97	529899	2.374	ppbv	99
34) 2-Butanone	5.25	43	30688m	0.216	ppbv	
40) 1,4-Dioxane	7.85	88	11351m	0.448	ppbv	
52) Tetrachloroethene	11.20	164	8981m	0.091	ppbv	

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

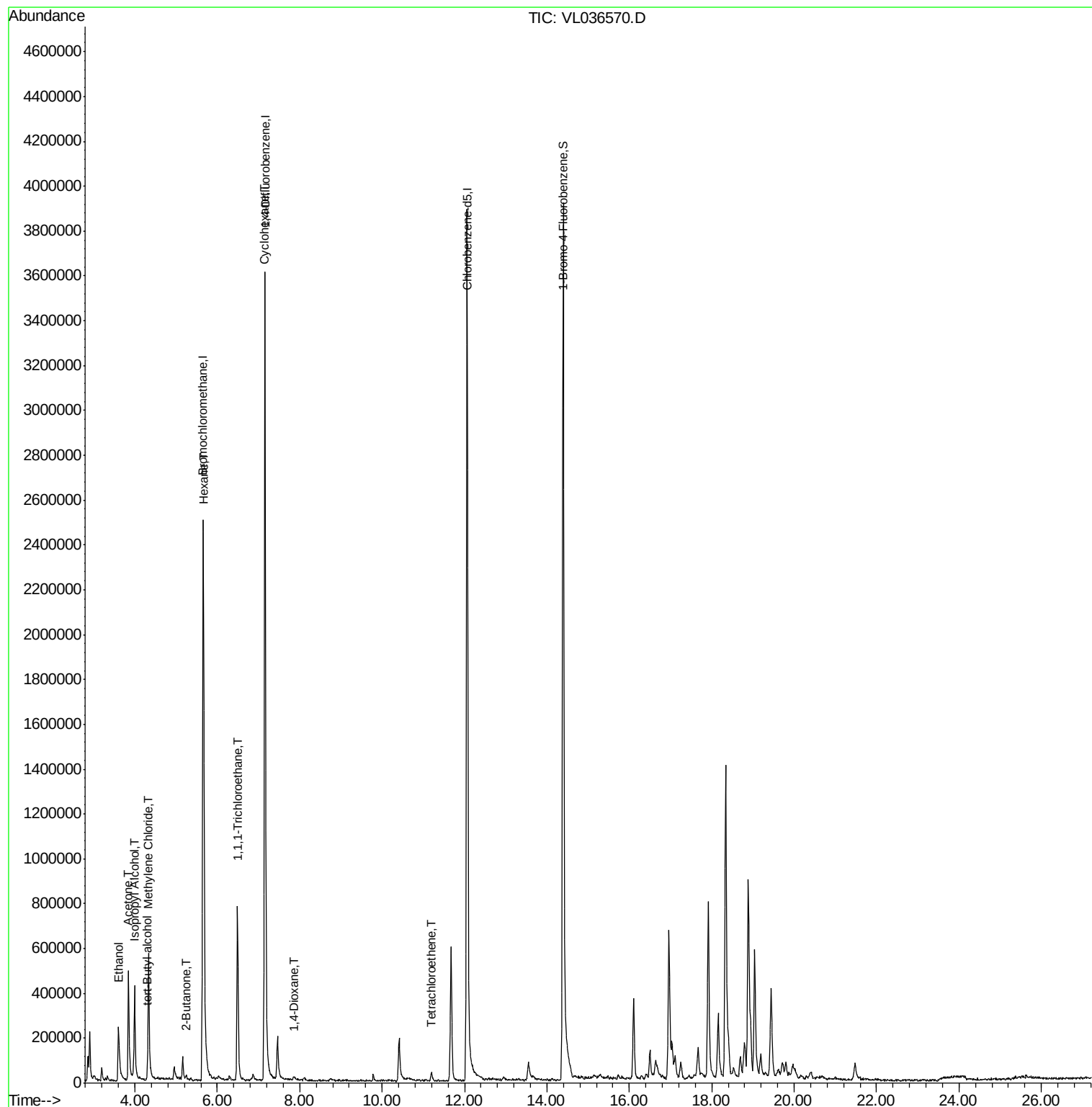
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL033021\
Data File : VL036570.D
Acq On : 30 Mar 2021 15:00
Operator : SY/AP
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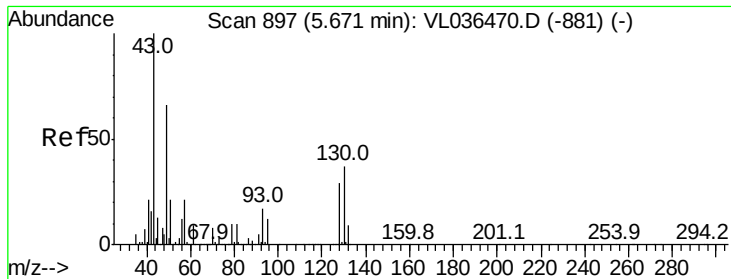
Instrument :
MSVOA_L
ClientSampleId :
MF-SG-02(2021)

Manual Integrations
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4/1/2021 10:58:14 AM

Quant Time: Mar 31 06:54:21 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: 5.65 min Scan# 891

Delta R.T. -0.02 min

Lab File: VL036570.D

Acq: 30 Mar 2021 15:00

Instrument :

MSVOA_L

ClientSampleId :

MF-SG-02(2021)

Tot Ion: 49 Resp: 1275333

Ion Ratio Lower Upper

49 100

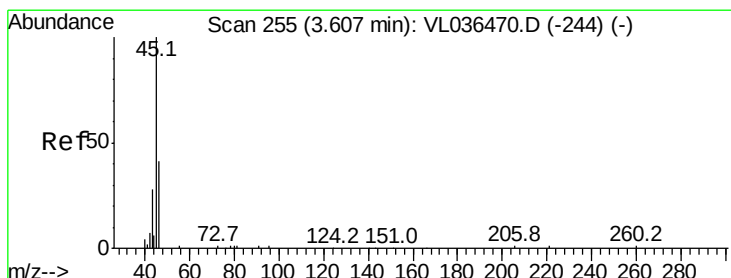
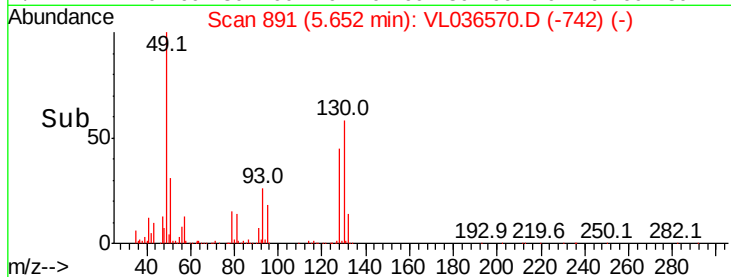
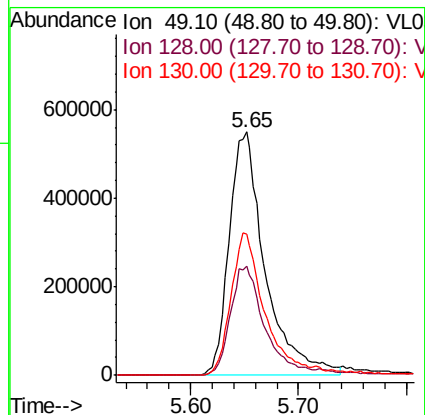
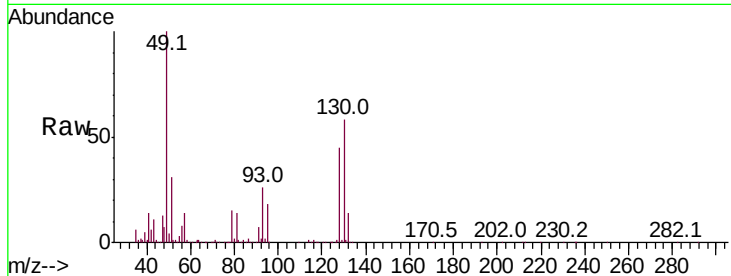
128 45.3 23.5 70.6

130 57.2 29.1 87.4

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#13

Ethanol

Concen: 38.984 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL036570.D

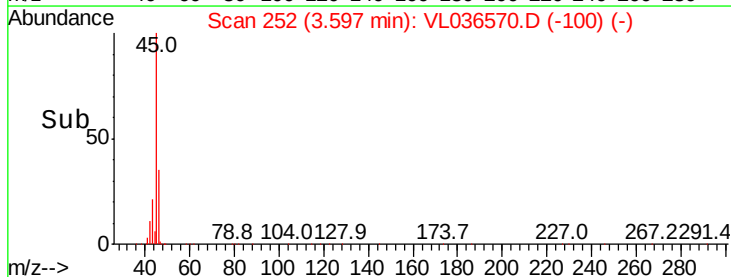
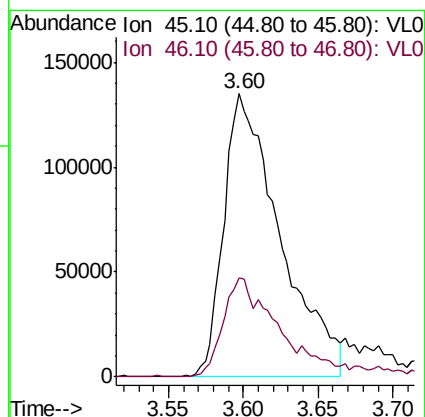
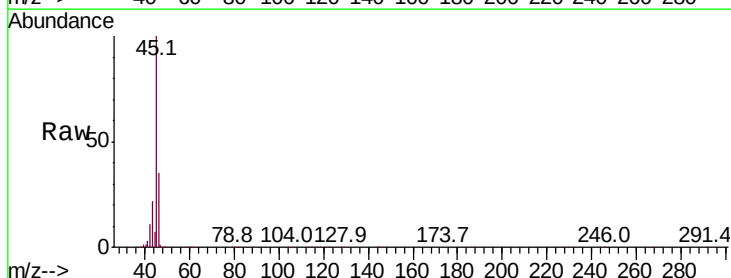
Acq: 30 Mar 2021 15:00

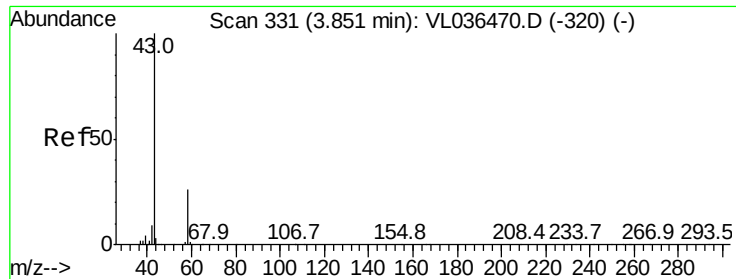
Tgt Ion: 45 Resp: 352641

Ion Ratio Lower Upper

45 100

46 38.1 16.6 66.2





#15

Acetone

Concen: 5.028 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL036570.D

Acq: 30 Mar 2021 15:00

Instrument :

MSVOA_L

ClientSampleId :

MF-SG-02(2021)

Tot Ion: 43 Resp: 631154

Ion Ratio Lower Upper

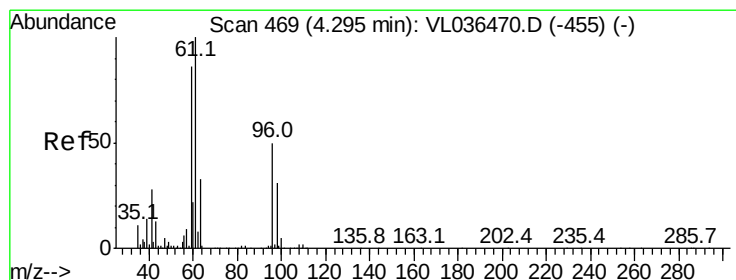
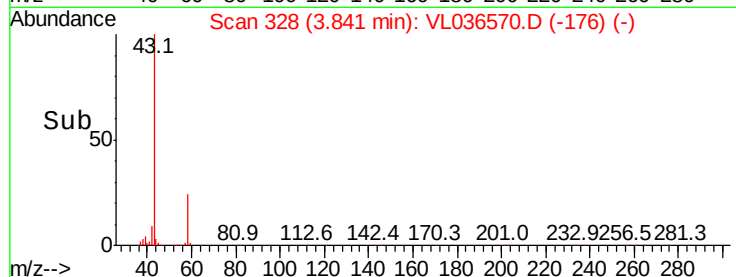
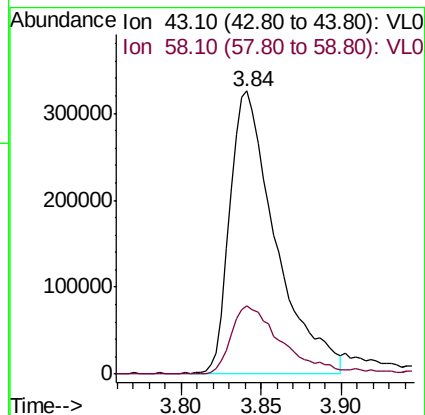
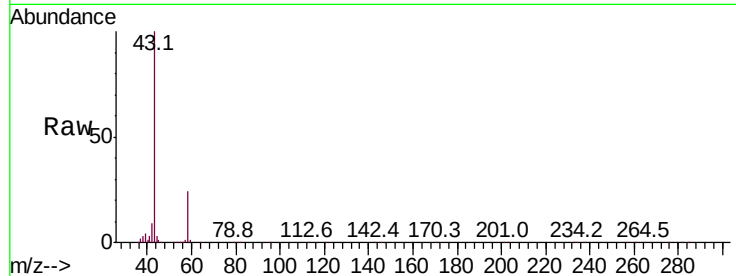
43 100

58 28.1 21.2 31.8

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#17

tert-Butyl alcohol

Concen: 0.104 ppbv

RT: 4.30 min Scan# 471

Delta R.T. 0.01 min

Lab File: VL036570.D

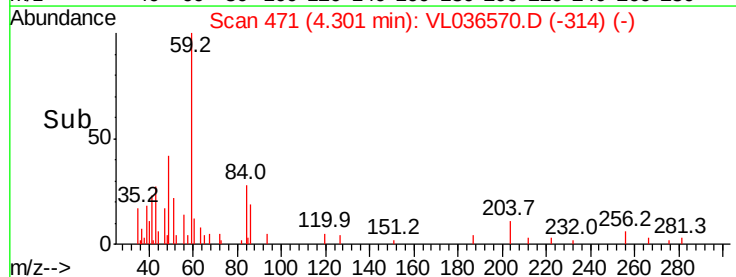
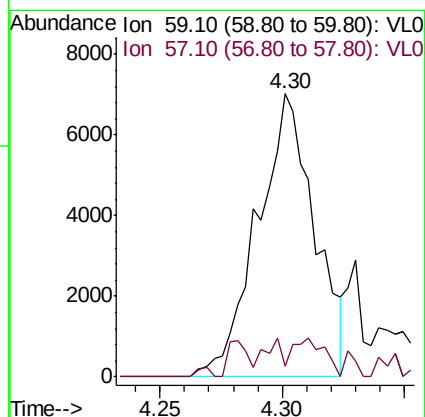
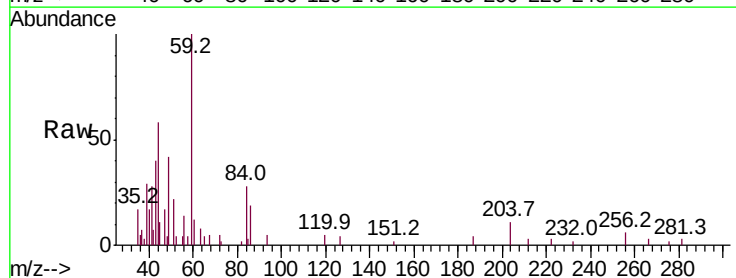
Acq: 30 Mar 2021 15:00

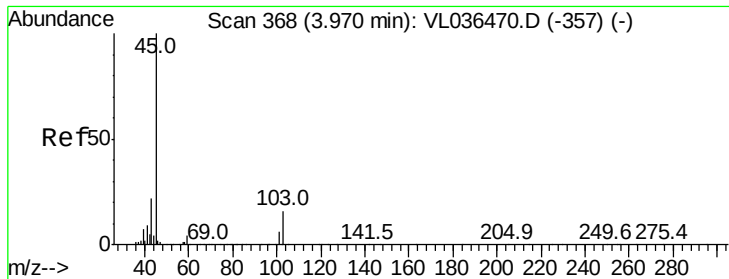
Tgt Ion: 59 Resp: 11368

Ion Ratio Lower Upper

59 100

57 9.5 8.6 12.8





#19

Isopropyl Alcohol

Concen: 1.762 ppbv

RT: 3.99 min Scan# 373

Delta R.T. 0.02 min

Lab File: VL036570.D

Acq: 30 Mar 2021 15:00

Instrument :

MSVOA_L

ClientSampleId :

MF-SG-02(2021)

Tot Ion: 45 Resp: 121688

Ion Ratio Lower Upper

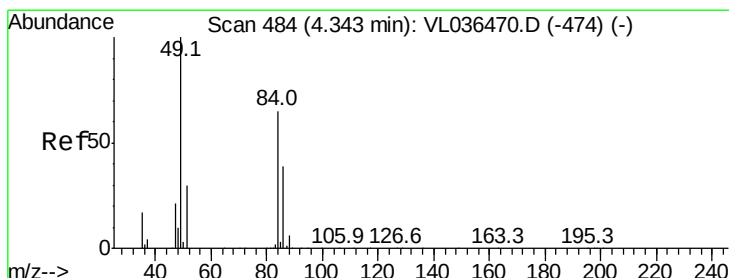
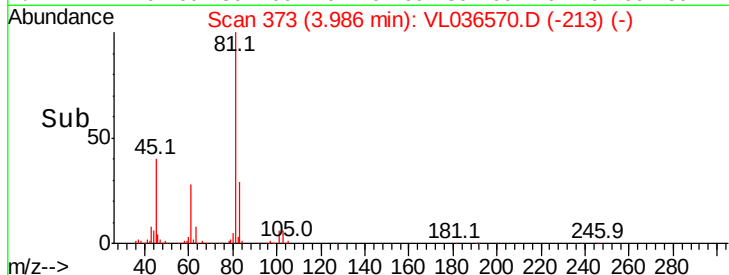
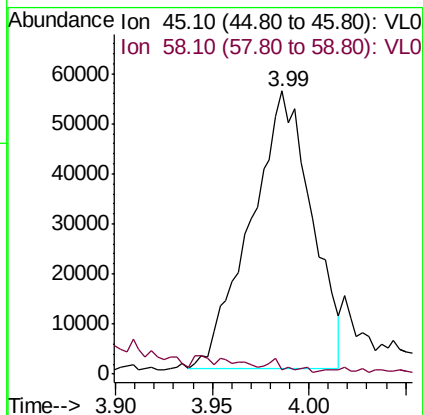
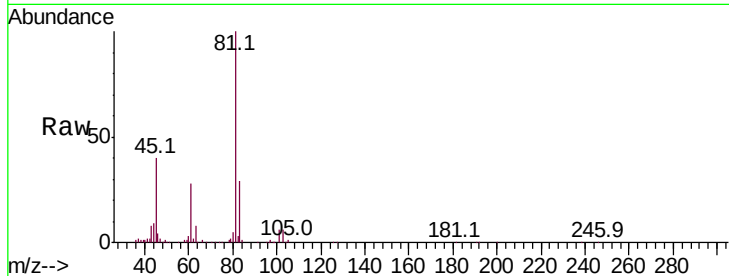
45 100

58 152.5 2.9 4.3#

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#20

Methylene Chloride

Concen: 3.636 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.01 min

Lab File: VL036570.D

Acq: 30 Mar 2021 15:00

Tgt Ion: 84 Resp: 213669

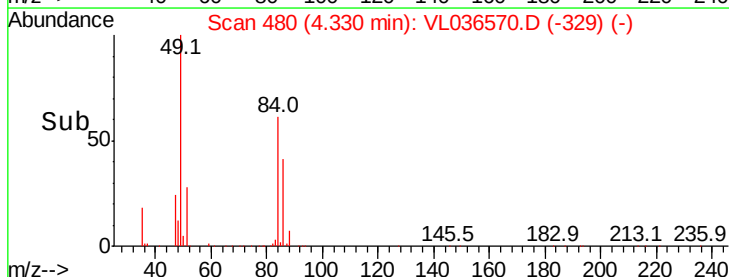
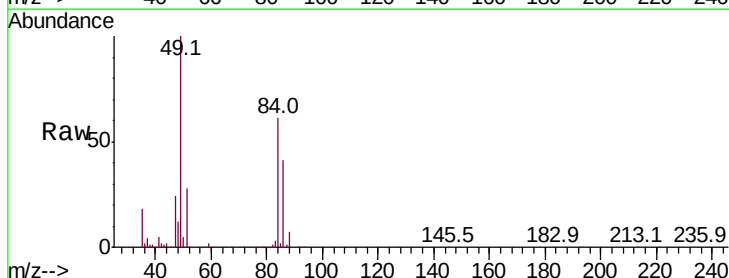
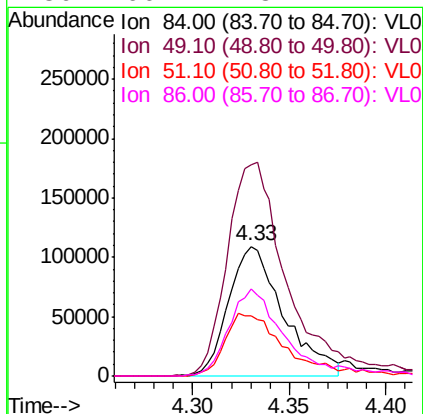
Ion Ratio Lower Upper

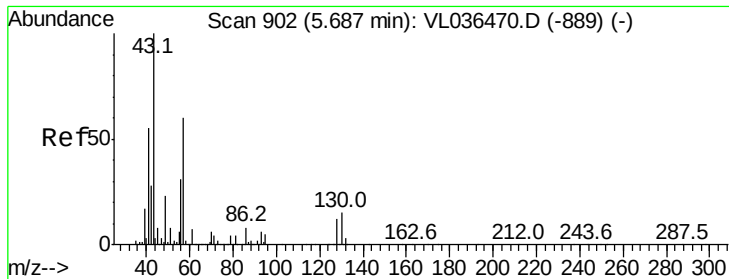
84 100

49 162.9 122.9 184.3

51 46.0 36.9 55.3

86 66.1 48.2 72.4





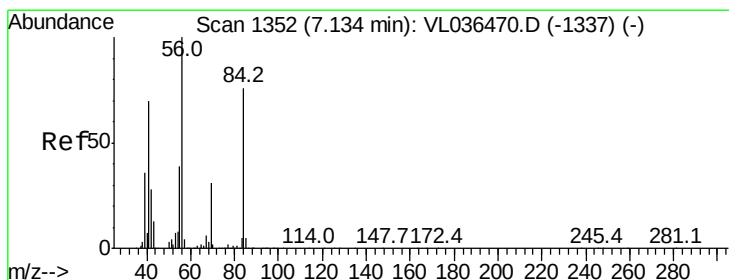
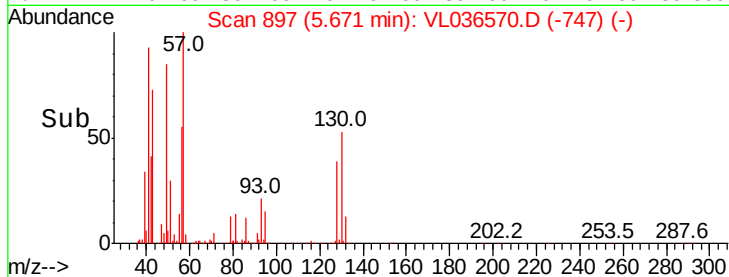
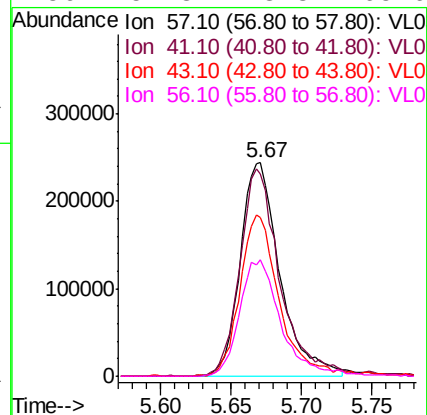
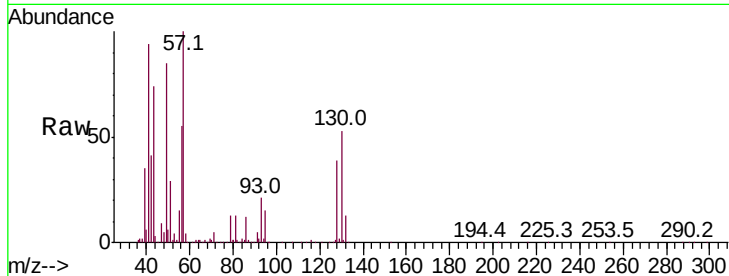
#26
Hexane
Concen: 3.481 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.02 min
Lab File: VL036570.D
Acq: 30 Mar 2021 15:00

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-02(2021)

Tot Ion	Ratio	Lower	Upper
57	100		
41	100.5	77.2	115.8
43	76.5	173.8	260.6#
56	57.3	43.8	65.6

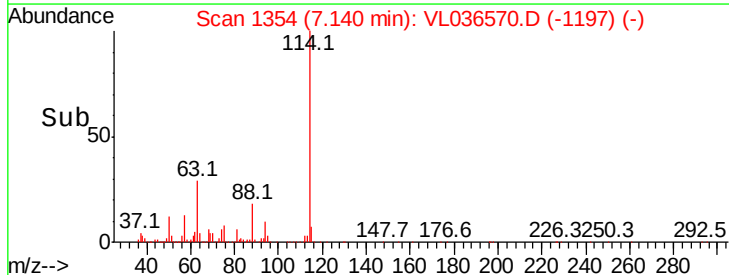
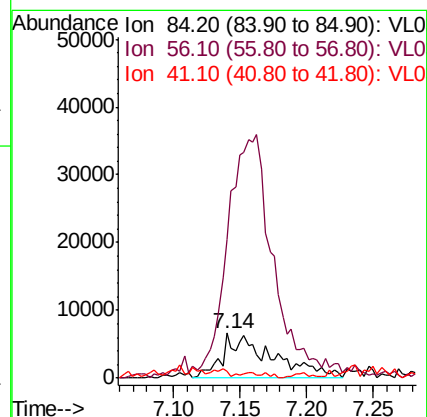
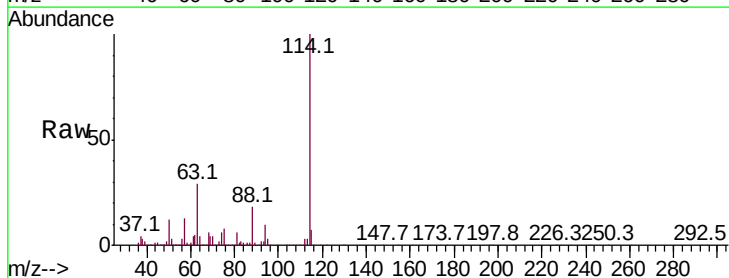
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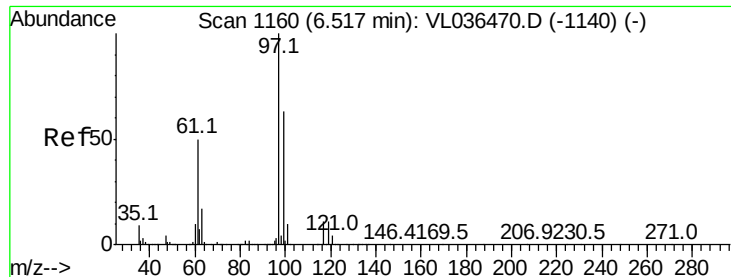
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#30
Cyclohexane
Concen: 0.154 ppbv m
RT: 7.14 min Scan# 1354
Delta R.T. 0.01 min
Lab File: VL036570.D
Acq: 30 Mar 2021 15:00

Tgt Ion	Ratio	Lower	Upper
84	100		
56	0.0	114.6	171.8#
41	0.0	75.3	112.9#





#32

1,1,1-Trichloroethane

Concen: 2.374 ppbv

RT: 6.49 min Scan# 1151

Delta R.T. -0.03 min

Lab File: VL036570.D

Acq: 30 Mar 2021 15:00

Instrument :

MSVOA_L

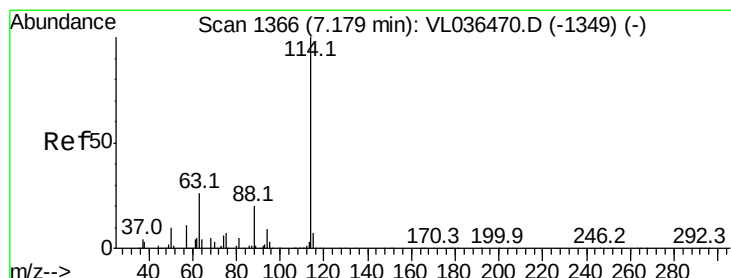
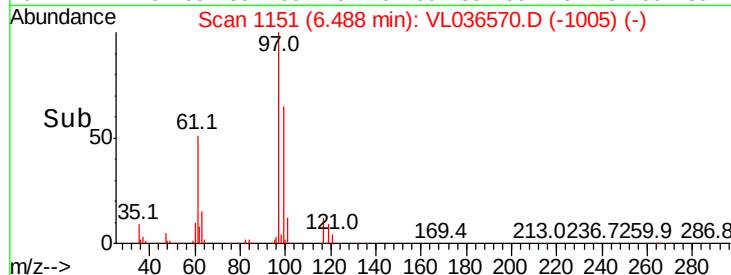
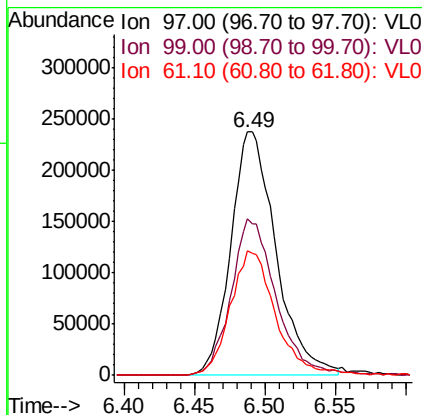
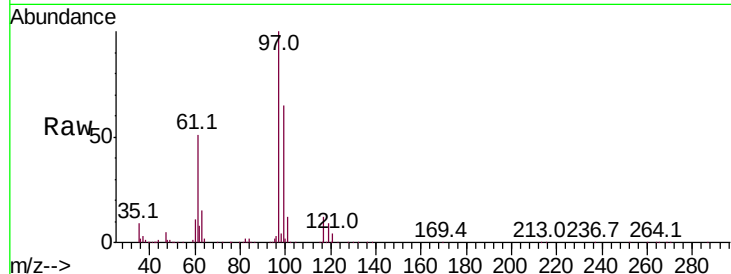
ClientSampleId :

MF-SG-02(2021)

Tot Ion:	97	Resp:	529899
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	51.7	40.6	60.8

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

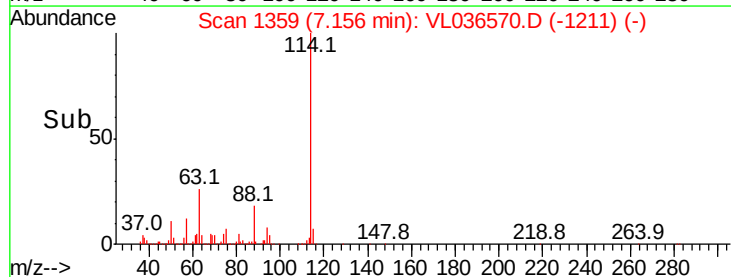
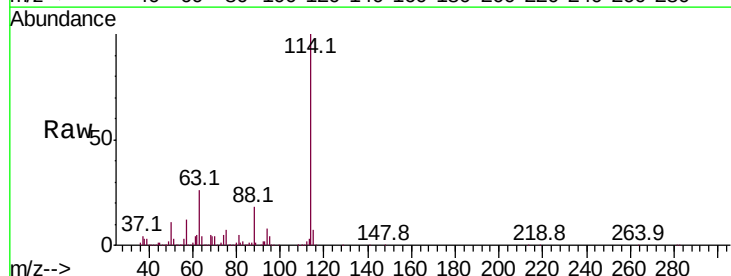
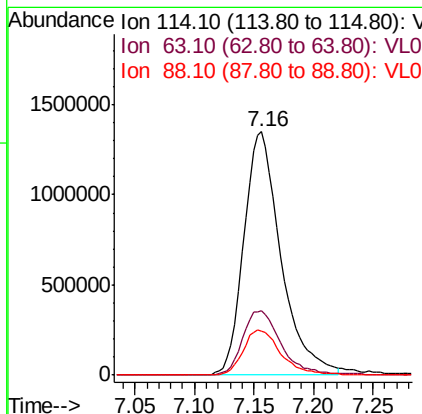
RT: 7.16 min Scan# 1359

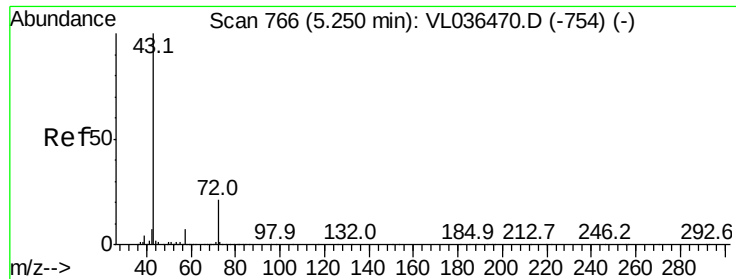
Delta R.T. -0.02 min

Lab File: VL036570.D

Acq: 30 Mar 2021 15:00

Tgt Ion:	114	Resp:	2912536
Ion	Ratio	Lower	Upper
114	100		
63	28.0	22.4	33.6
88	19.3	15.4	23.0





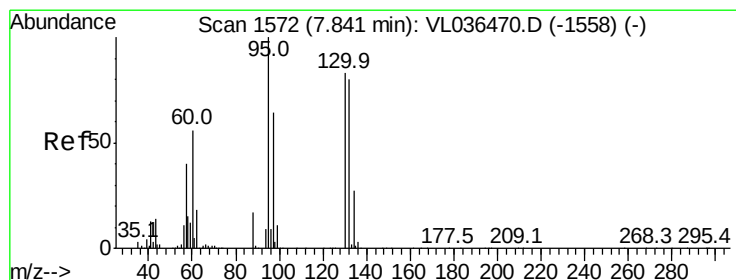
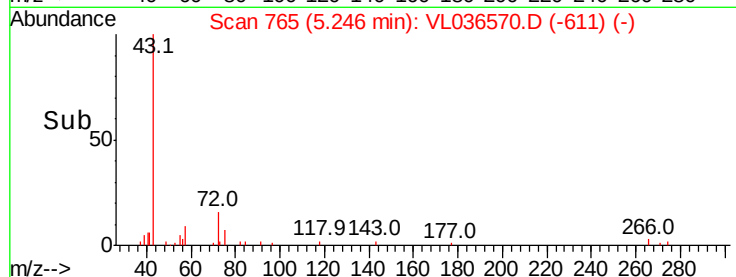
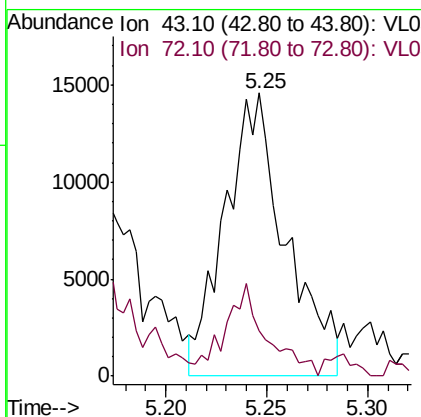
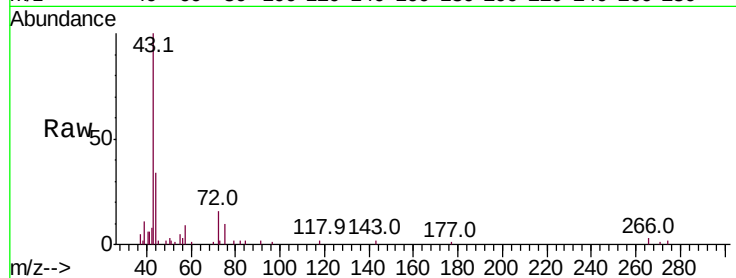
#34
2-Butanone
Concen: 0.216 ppbv m
RT: 5.25 min Scan# 765
Delta R.T. -0.00 min
Lab File: VL036570.D
Acq: 30 Mar 2021 15:00

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-02(2021)

Tot Ion: 43 Resp: 30688
Ion Ratio Lower Upper
43 100
72 0.0 17.0 25.6#

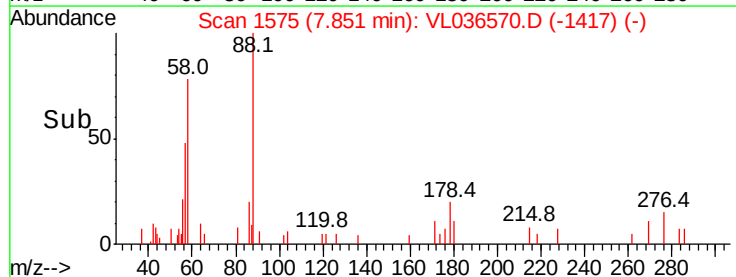
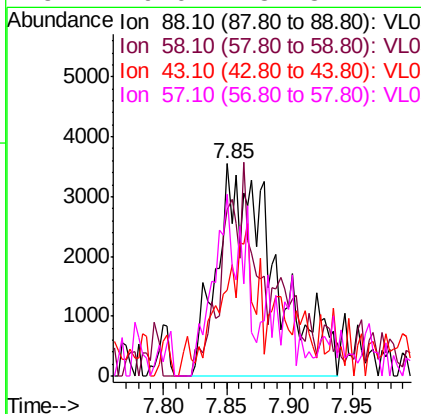
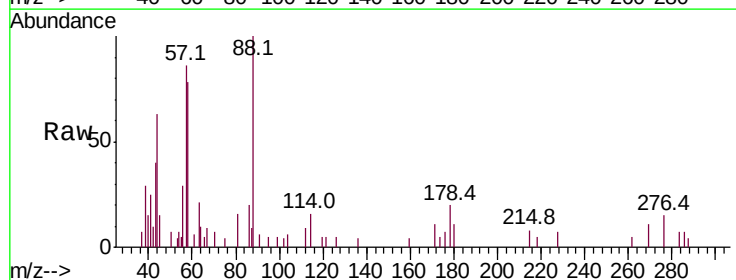
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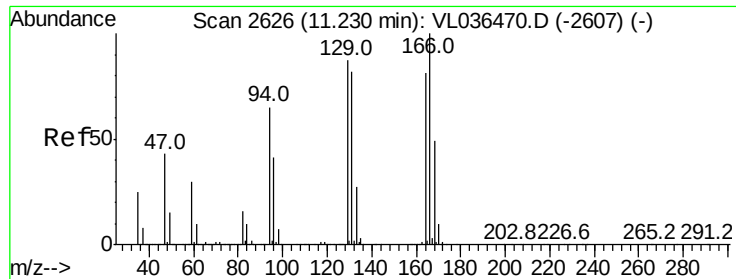
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#40
1,4-Dioxane
Concen: 0.448 ppbv m
RT: 7.85 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VL036570.D
Acq: 30 Mar 2021 15:00

Tgt Ion: 88 Resp: 11351
Ion Ratio Lower Upper
88 100
58 0.0 134.1 201.1#
43 0.0 346.6 520.0#
57 0.0 1481.8 2222.8#





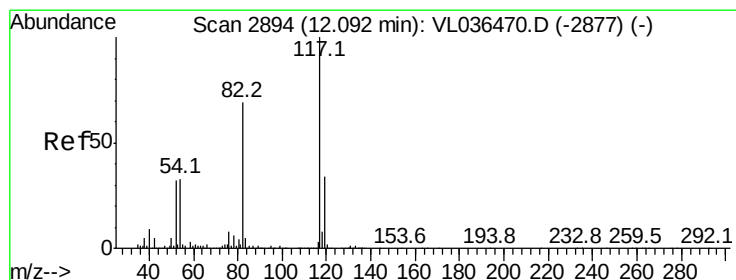
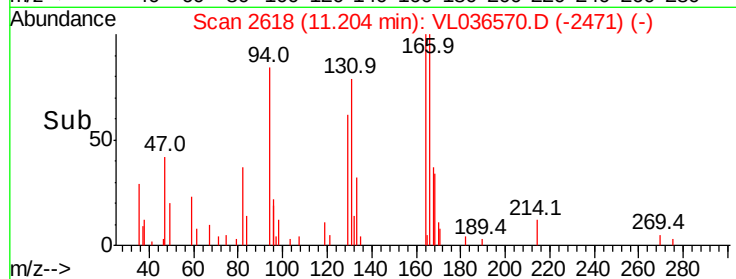
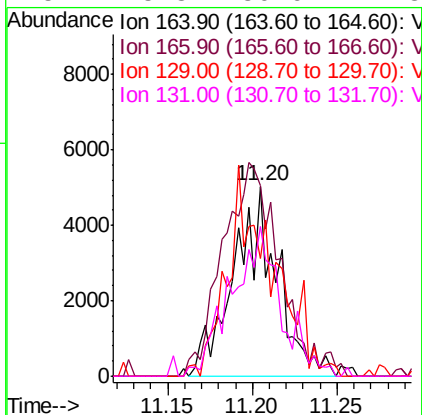
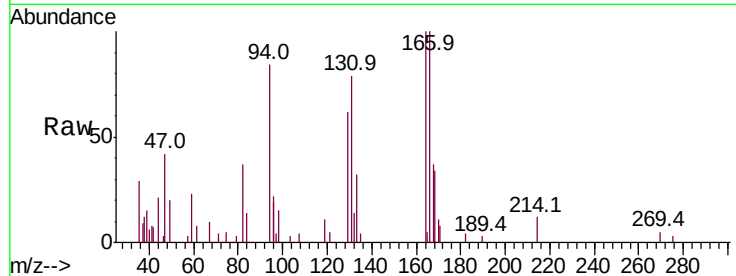
#52
Tetrachloroethene
Concen: 0.091 ppbv m
RT: 11.20 min Scan# 2618
Delta R.T. -0.03 min
Lab File: VL036570.D
Acq: 30 Mar 2021 15:00

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-02(2021)

Tot Ion	Ratio	Lower	Upper
164	100		
166	100.1	98.3	147.5
129	61.6	85.8	128.8#
131	78.8	80.9	121.3#

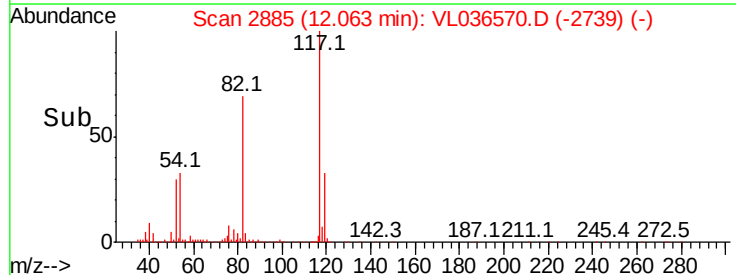
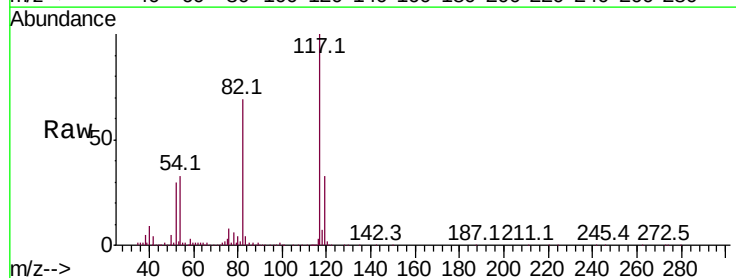
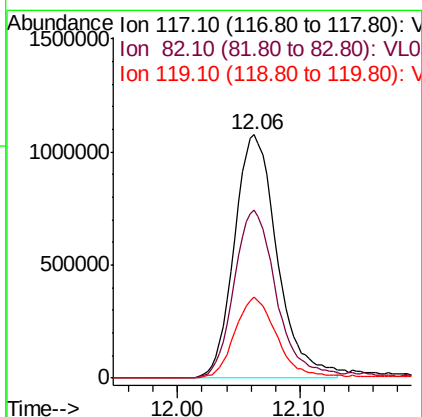
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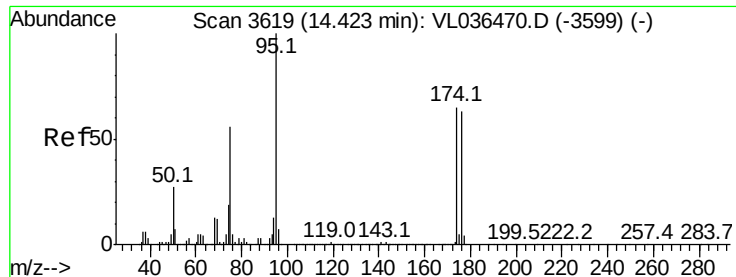
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.03 min
Lab File: VL036570.D
Acq: 30 Mar 2021 15:00

Tgt Ion	Ratio	Lower	Upper
117	100		
82	71.2	57.4	86.0
119	33.5	47.4	71.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.304 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.03 min

Lab File: VL036570.D

Acq: 30 Mar 2021 15:00

Instrument :

MSVOA_L

ClientSampleId :

MF-SG-02(2021)

Tot Ion: 95 Resp: 2154808

Ion Ratio Lower Upper

95 100

174 61.6 51.0 76.6

175 4.6 3.9 5.9

Manual Integrations

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