

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036974.D
 Acq On : 18 May 2021 18:24
 Operator : SY/AP
 Sample : M2430-02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Manual Integrations
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 5/20/2021 5:55:50 PM

Quant Time: May 20 16:08:45 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1273901	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3629609	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3371656	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.40	95	2509956	9.91	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	49300	0.228	ppbv	93
4) Chloromethane	3.13	50	42941	0.541	ppbv	97
9) Propene	3.01	41	84623	1.013	ppbv	85
11) Trichlorofluoromethane	3.93	101	37672	0.188	ppbv	94
13) Ethanol	3.61	45	13740519	1232.306	ppbv	98
15) Acetone	3.84	43	1500021	11.496	ppbv	95
19) Isopropyl Alcohol	3.98	45	16130596	229.977	ppbv #	32
20) Methylene Chloride	4.33	84	927410	13.259	ppbv	98
26) Hexane	5.67	57	1091326	6.813	ppbv #	50
34) 2-Butanone	5.23	43	54142	0.410	ppbv #	80
35) Carbon Tetrachloride	7.01	117	13181m	0.055	ppbv	
36) Benzene	6.87	78	72580m	0.232	ppbv	
37) 1,2-Dichloroethane	6.29	62	126689	0.817	ppbv	99
38) Trichloroethene	7.82	130	126763m	0.948	ppbv	
44) 2,2,4-Trimethylpentane	7.85	57	65197m	0.122	ppbv	
50) 4-Methyl-2-Pentanone	8.73	43	67551m	0.310	ppbv	
52) Tetrachloroethene	11.20	164	435420	3.502	ppbv	96
53) Toluene	9.79	91	192710	0.518	ppbv	100
59) m/p-Xylene	12.94	91	101406m	0.258	ppbv	
74) 1,2,4-Trimethylbenzene	16.74	105	57285m	0.133	ppbv	

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

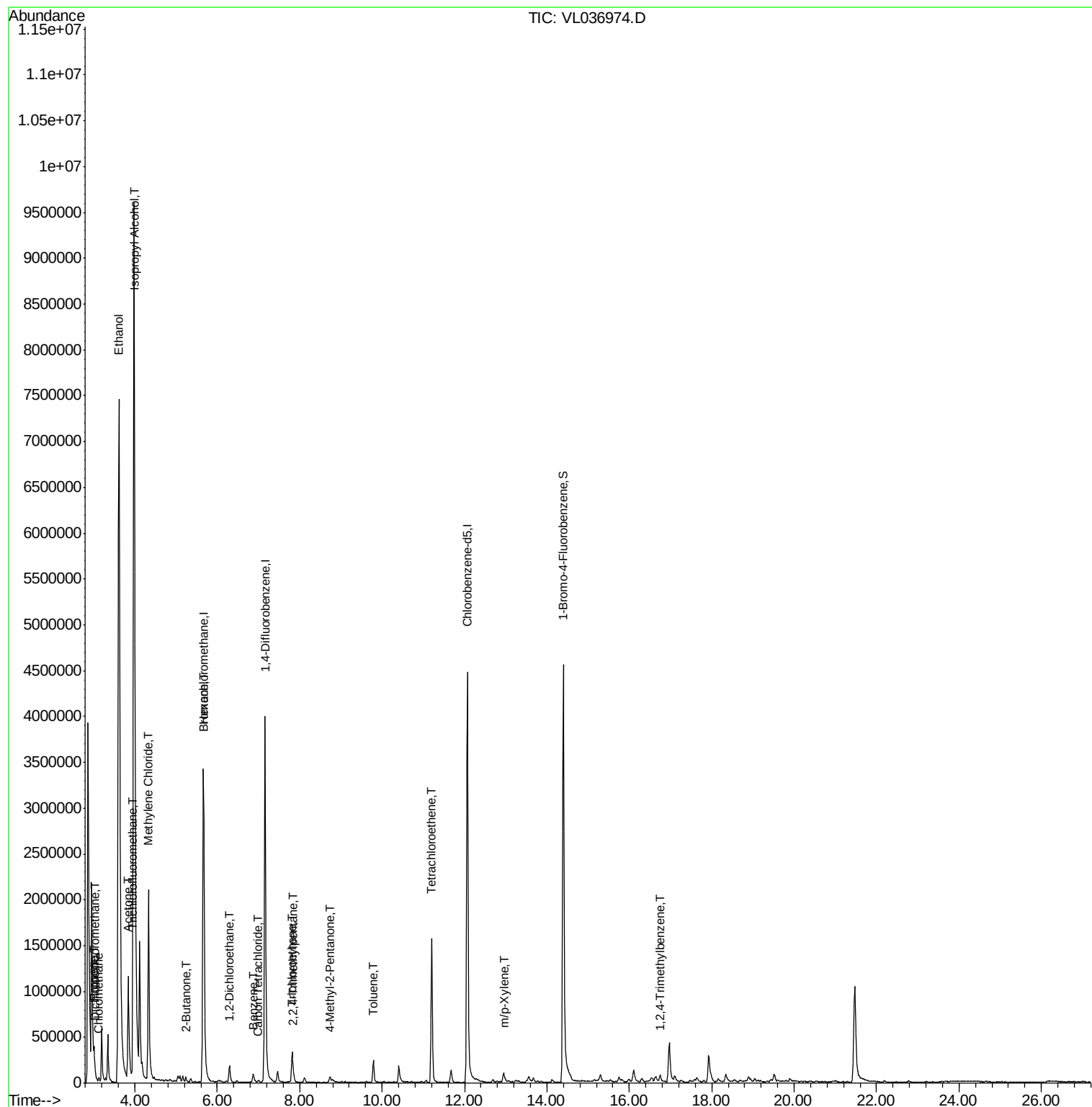
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Data File : VL036974.D
Acq On : 18 May 2021 18:24
Operator : SY/AP
Sample : M2430-02
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

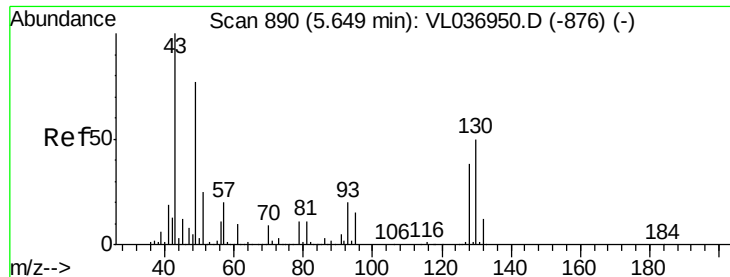
Instrument :
MSVOA_L
ClientSampleId :
IA2

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Quant Time: May 20 16:08:45 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue May
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





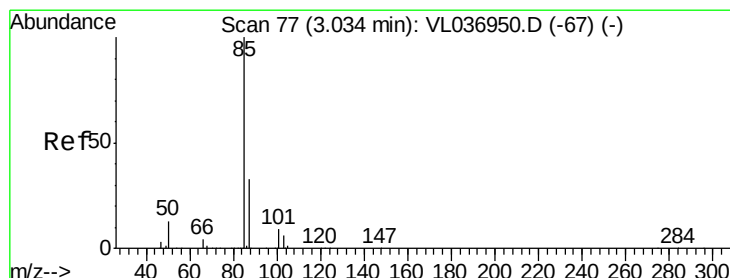
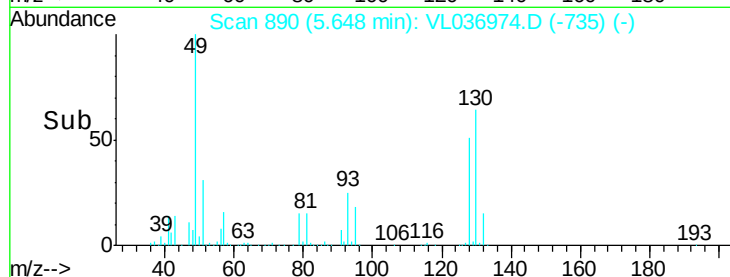
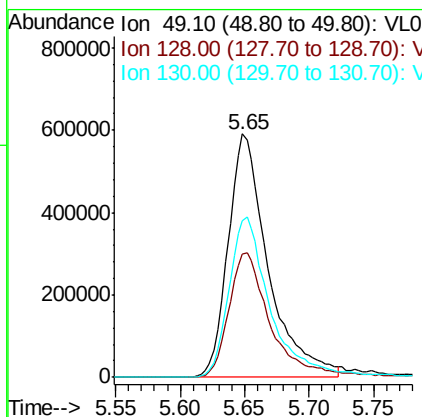
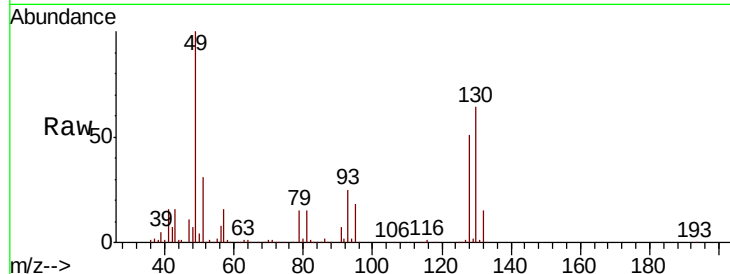
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.00 min
Lab File: VL036974.D
Acq: 18 May 2021 18:24

Instrument :
MSVOA_L
ClientSampled :
IA2

Tot Ion: 49 Resp: 1273901
Ion Ratio Lower Upper
49 100
128 54.3 26.9 80.7
130 69.8 33.8 101.4

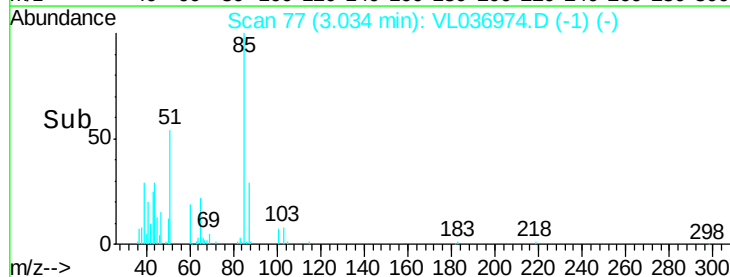
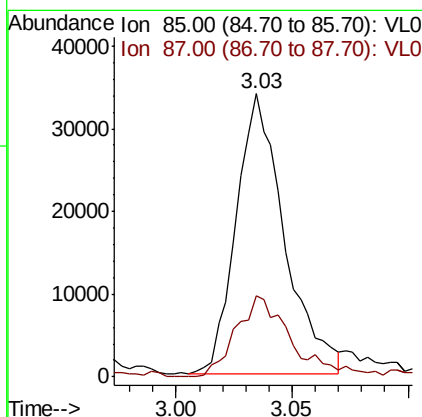
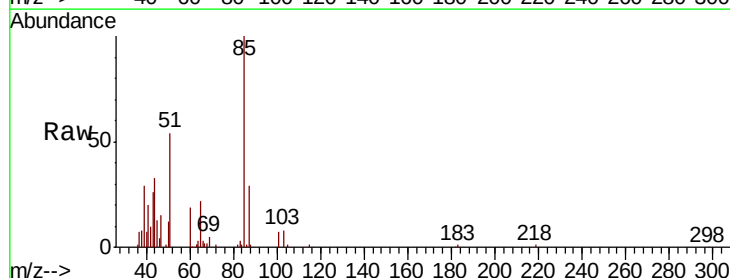
Manual Integrations
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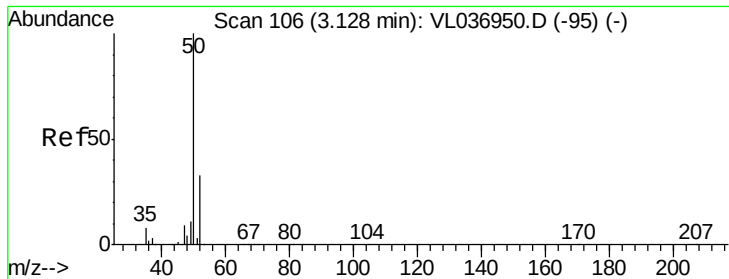
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#2
Dichlorodifluoromethane
Concen: 0.228 ppbv
RT: 3.03 min Scan# 77
Delta R.T. -0.00 min
Lab File: VL036974.D
Acq: 18 May 2021 18:24

Tgt Ion: 85 Resp: 49300
Ion Ratio Lower Upper
85 100
87 29.1 26.6 39.8





#4

Chloromethane

Concen: 0.541 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL036974.D

Acq: 18 May 2021 18:24

Instrument :

MSVOA_L

ClientSampled :

IA2

Tot Ion: 50 Resp: 42941

Ion Ratio Lower Upper

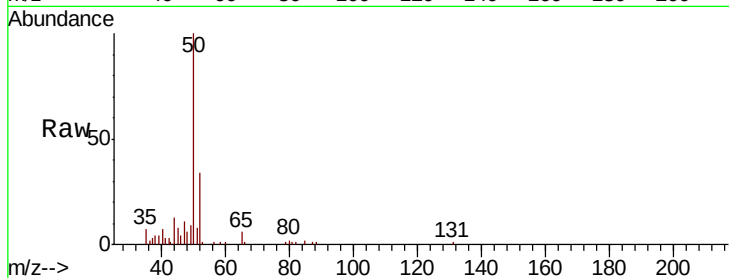
50 100

52 34.4 26.1 39.1

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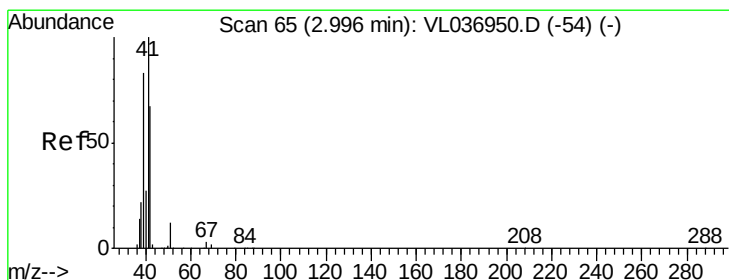
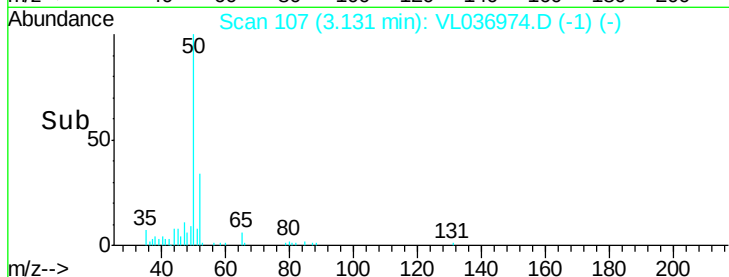
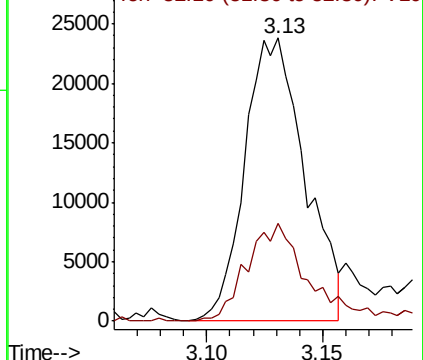
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Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 1.013 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.01 min

Lab File: VL036974.D

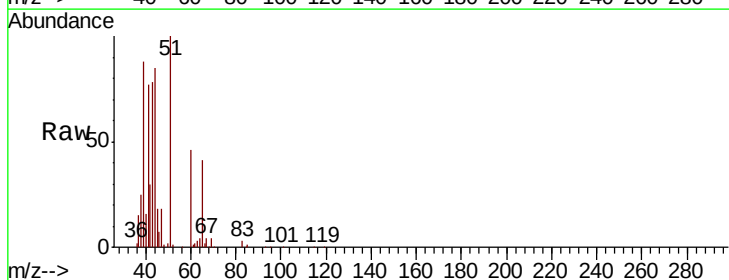
Acq: 18 May 2021 18:24

Tgt Ion: 41 Resp: 84623

Ion Ratio Lower Upper

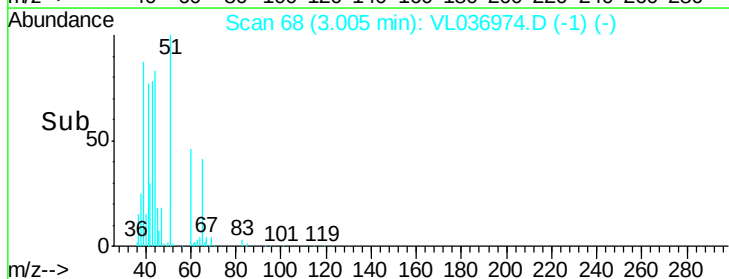
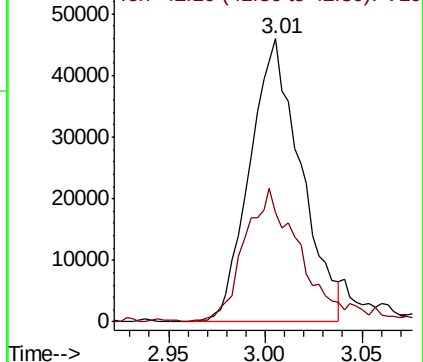
41 100

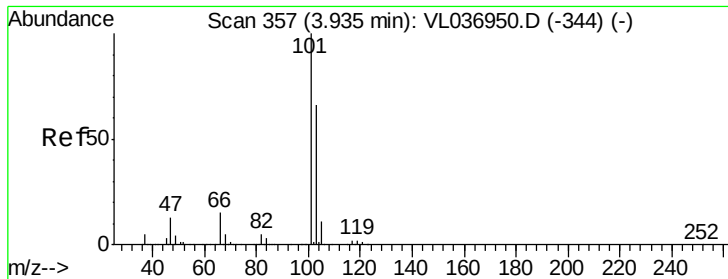
42 55.3 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





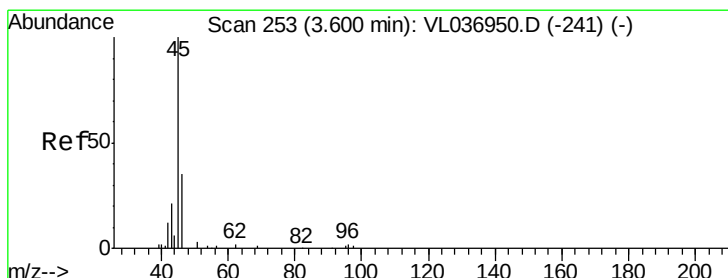
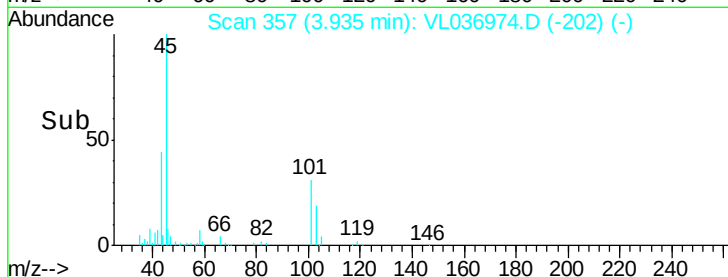
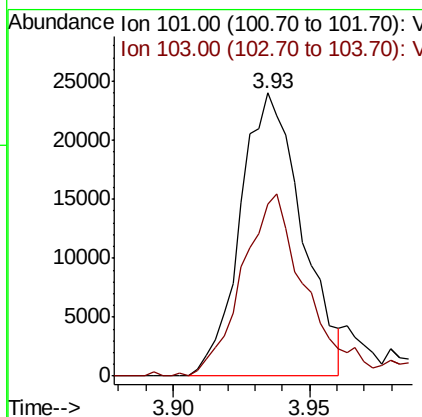
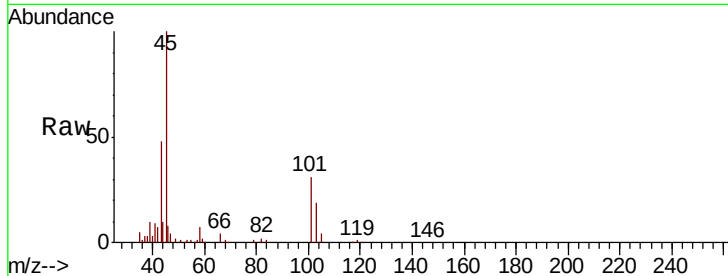
#11
 Trichlorofluoromethane
 Concen: 0.188 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VL036974.D
 Acq: 18 May 2021 18:24

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Tot Ion:101 Resp: 37672
 Ion Ratio Lower Upper
 101 100
 103 60.7 52.6 79.0

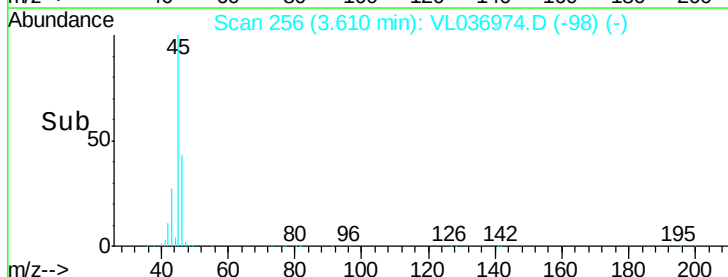
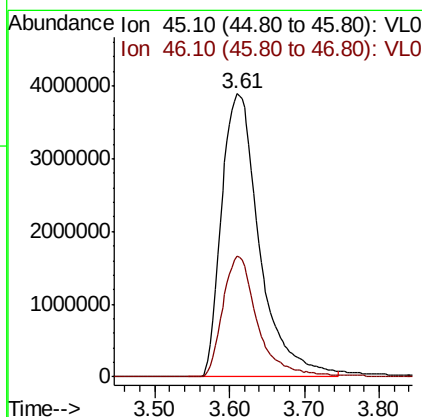
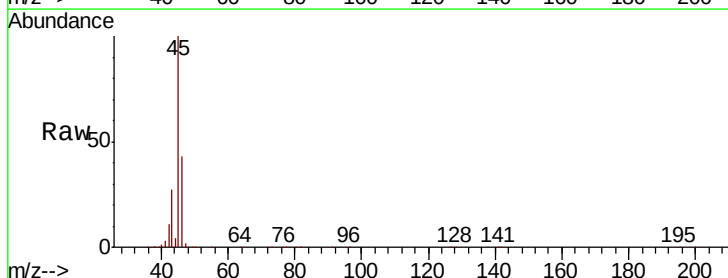
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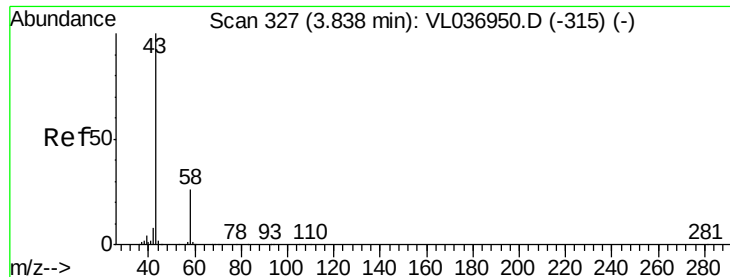
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#13
 Ethanol
 Concen: 1232.306 ppbv
 RT: 3.61 min Scan# 256
 Delta R.T. 0.01 min
 Lab File: VL036974.D
 Acq: 18 May 2021 18:24

Tgt Ion: 45 Resp:13740519
 Ion Ratio Lower Upper
 45 100
 46 39.8 16.3 65.3





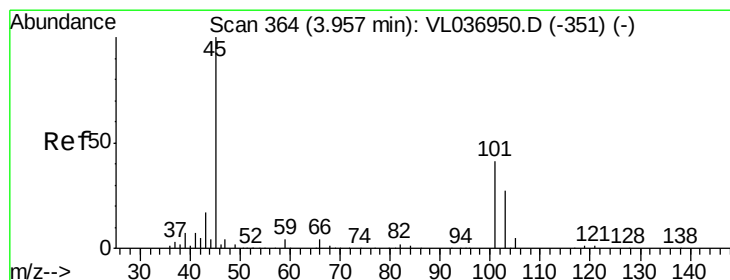
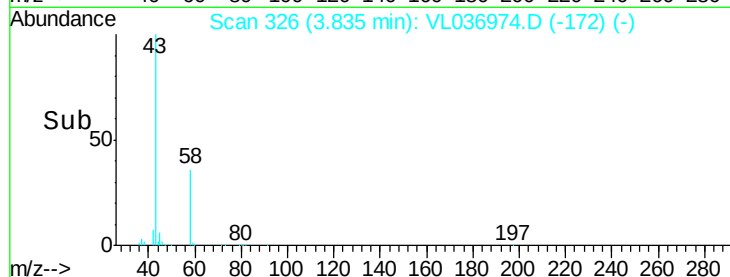
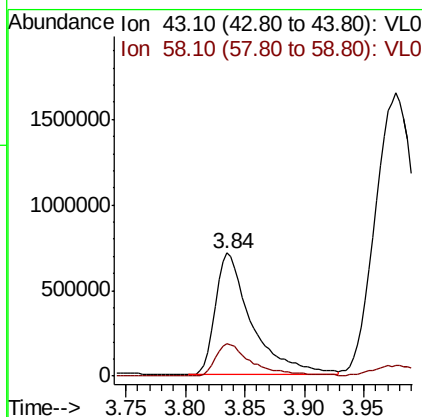
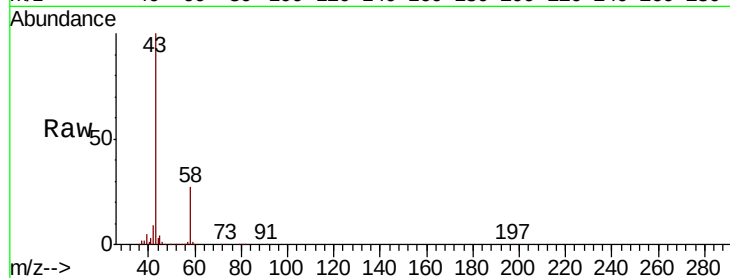
#15
Acetone
Concen: 11.496 ppbv
RT: 3.84 min Scan# 326
Delta R.T. -0.00 min
Lab File: VL036974.D
Acq: 18 May 2021 18:24

Instrument :
MSVOA_L
ClientSampled :
IA2

Tot Ion: 43 Resp: 1500021
Ion Ratio Lower Upper
43 100
58 27.4 24.0 36.0

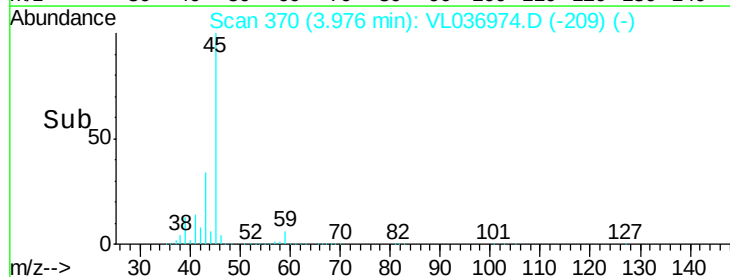
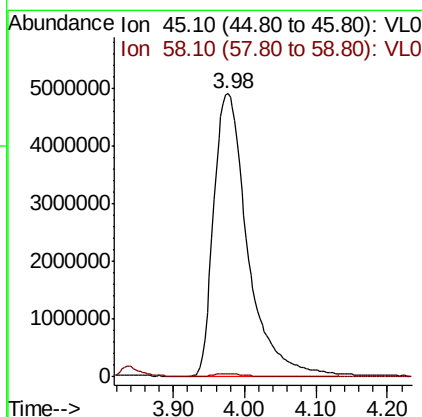
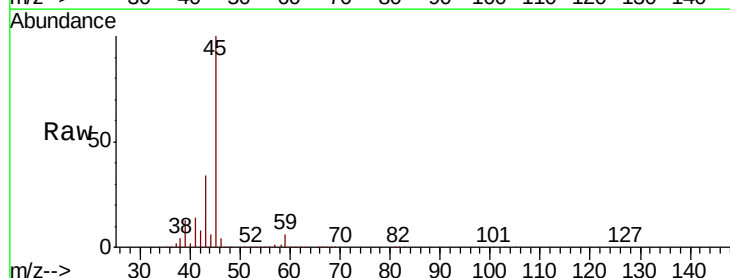
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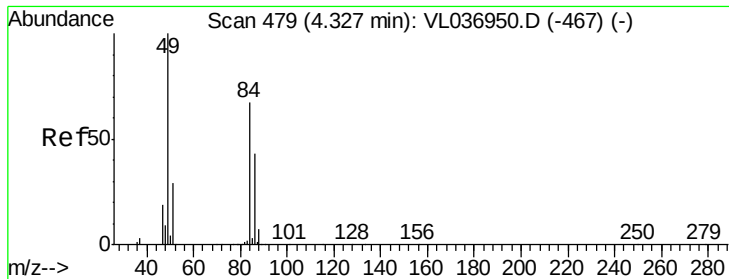
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#19
Isopropyl Alcohol
Concen: 229.977 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.02 min
Lab File: VL036974.D
Acq: 18 May 2021 18:24

Tgt Ion: 45 Resp: 16130596
Ion Ratio Lower Upper
45 100
58 1.2 37.2 55.8#





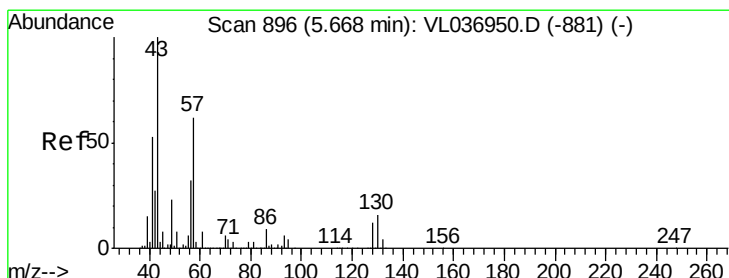
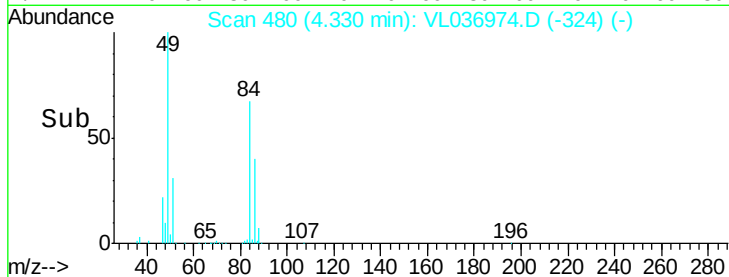
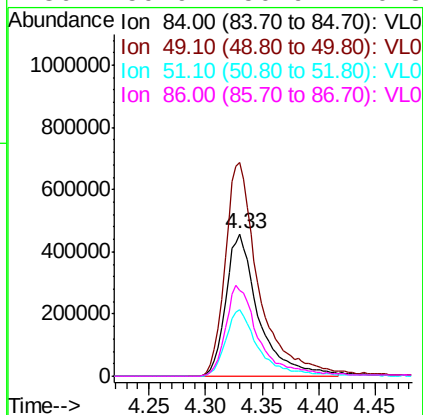
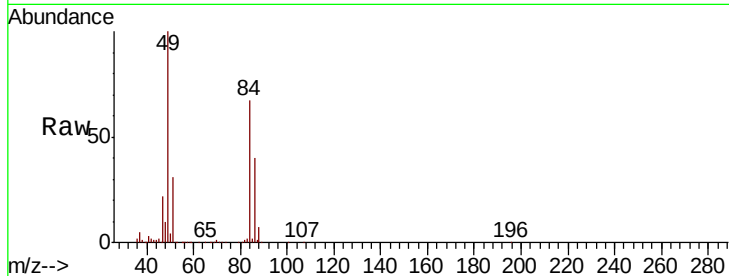
#20
Methvlene Chloride
Concen: 13.259 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL036974.D
Acq: 18 May 2021 18:24

Instrument :
MSVOA_L
ClientSampled :
IA2

Tot Ion:	84	Resp:	927410
Ion	Ratio	Lower	Upper
84	100		
49	149.8	119.8	179.6
51	46.9	35.1	52.7
86	59.9	50.9	76.3

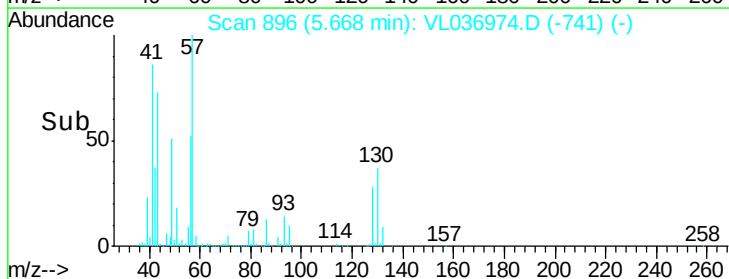
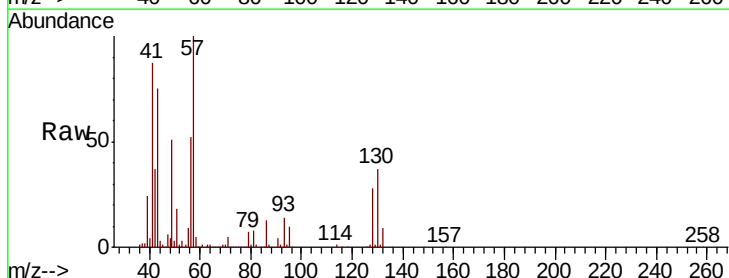
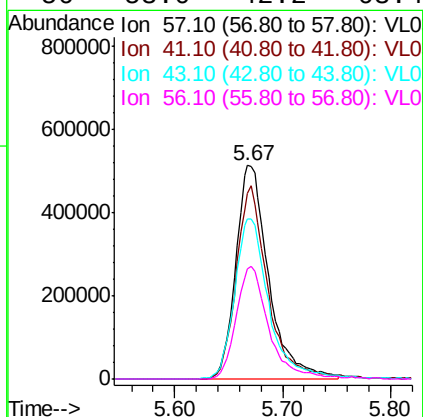
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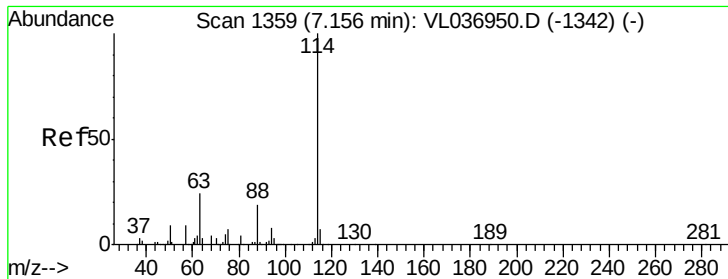
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#26
Hexane
Concen: 6.813 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL036974.D
Acq: 18 May 2021 18:24

Tgt Ion:	57	Resp:	1091326
Ion	Ratio	Lower	Upper
57	100		
41	87.5	70.5	105.7
43	78.3	165.8	248.8#
56	53.0	42.2	63.4





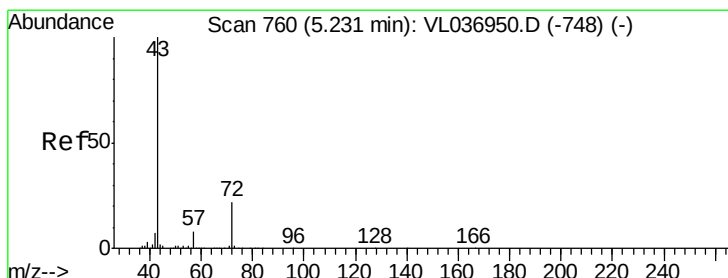
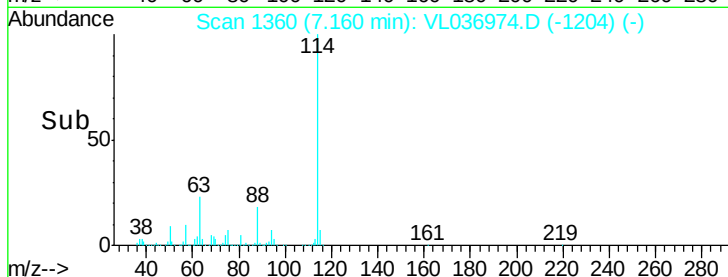
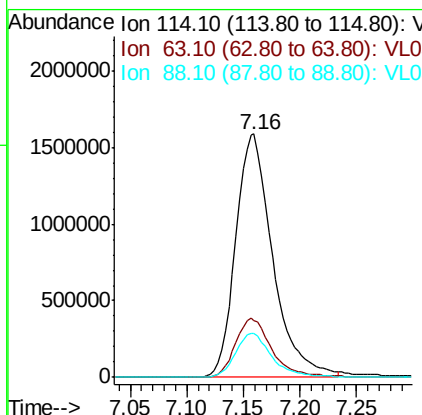
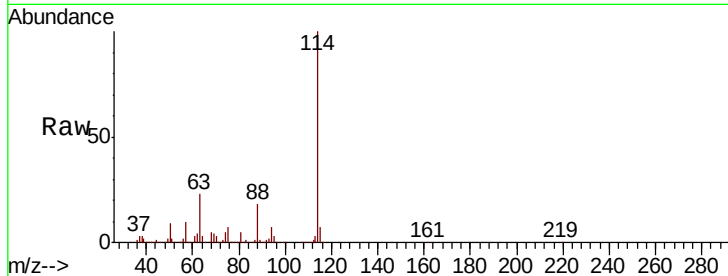
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 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL036974.D
 Acq: 18 May 2021 18:24

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.6	29.4
88	17.9	14.6	21.8

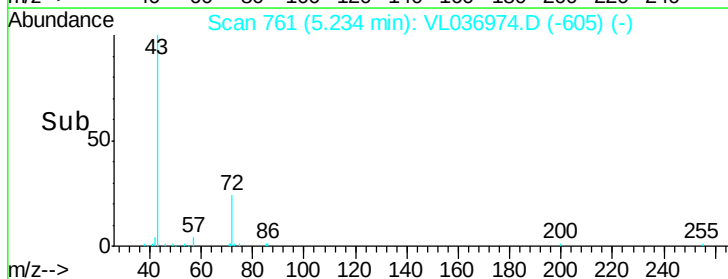
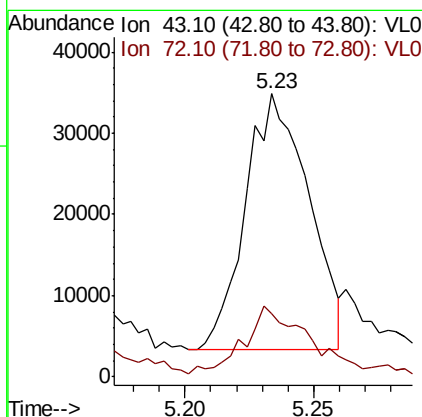
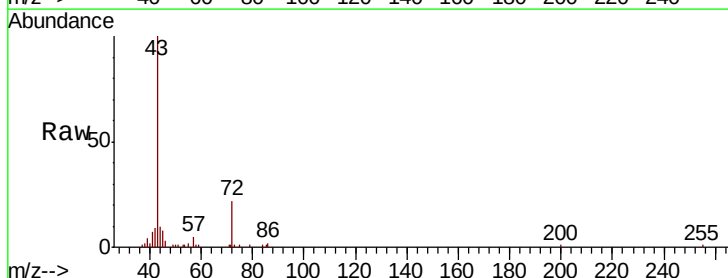
Manual Integrations
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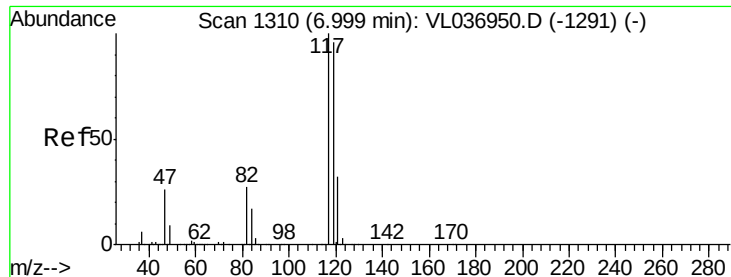
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#34
 2-Butanone
 Concen: 0.410 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VL036974.D
 Acq: 18 May 2021 18:24

Tgt Ion	Ratio	Lower	Upper
43	100		
72	33.5	19.0	28.4





#35

Carbon Tetrachloride

Concen: 0.055 ppbv m

RT: 7.01 min Scan# 1312

Delta R.T. 0.01 min

Lab File: VL036974.D

Acq: 18 May 2021 18:24

Instrument :

MSVOA_L

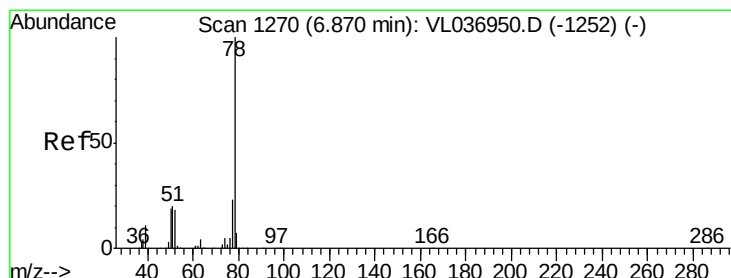
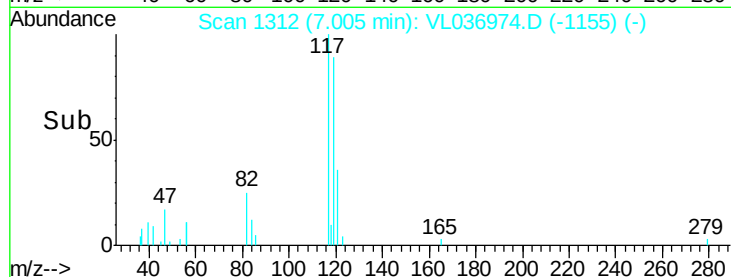
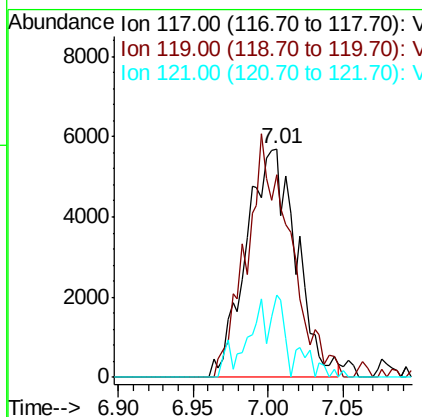
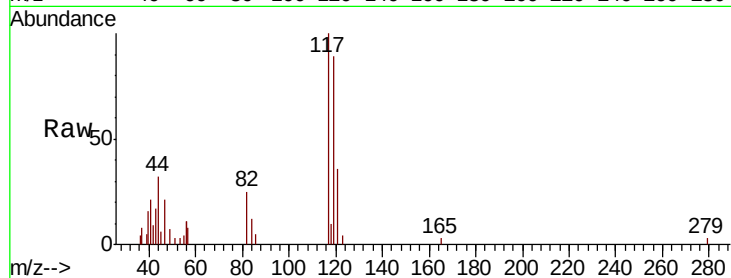
ClientSampleId :

IA2

Tot Ion:	117	Resp:	13181
Ion Ratio	Lower	Upper	
117	100		
119	88.8	76.6	114.8
121	36.2	25.8	38.6

Manual Integrations
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#36

Benzene

Concen: 0.232 ppbv m

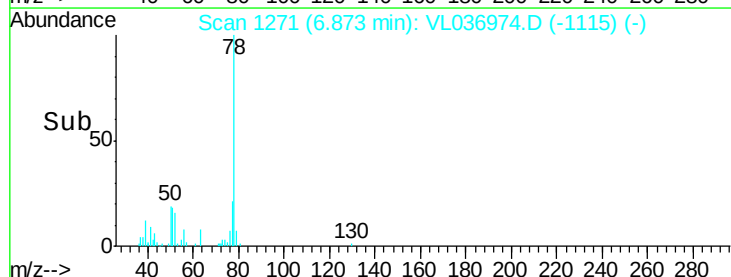
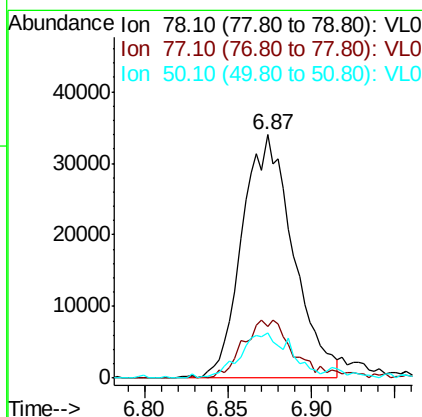
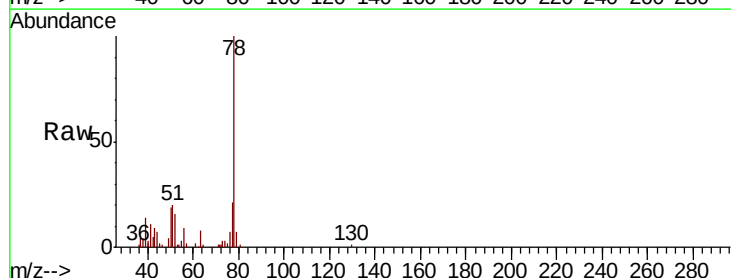
RT: 6.87 min Scan# 1271

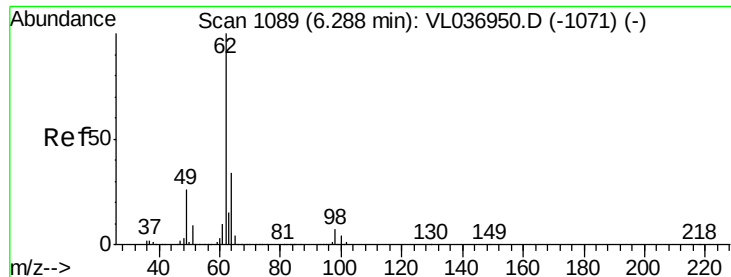
Delta R.T. 0.00 min

Lab File: VL036974.D

Acq: 18 May 2021 18:24

Tgt Ion:	78	Resp:	72580
Ion Ratio	Lower	Upper	
78	100		
77	21.1	18.6	28.0
50	18.7	15.0	22.4





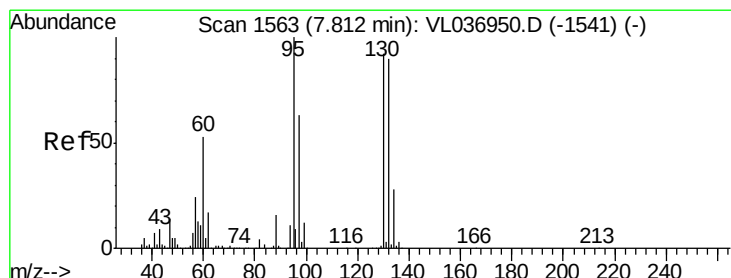
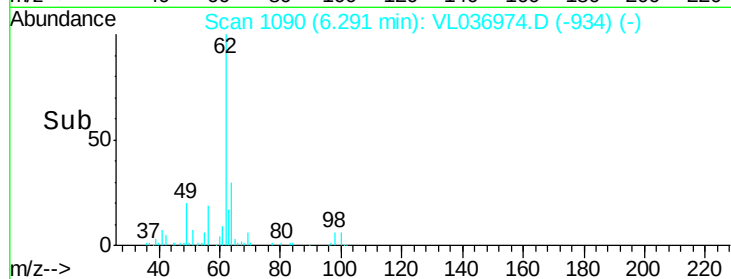
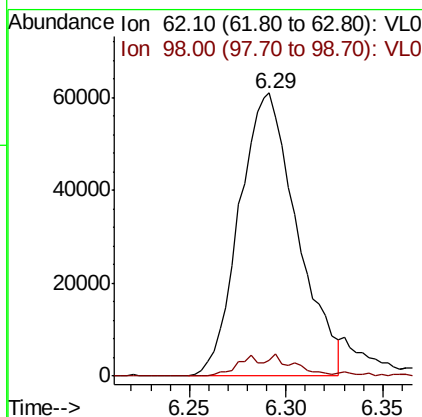
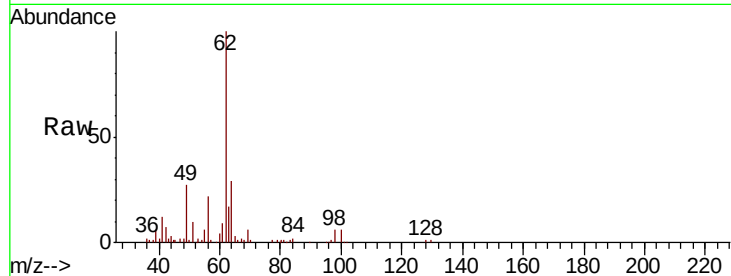
#37
1,2-Dichloroethane
Concen: 0.817 ppbv
RT: 6.29 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VL036974.D
Acq: 18 May 2021 18:24

Instrument :
MSVOA_L
ClientSampled :
IA2

Tot Ion	Ratio	Resp	Lower	Upper
62	100	126689		
98	7.3		5.5	8.3

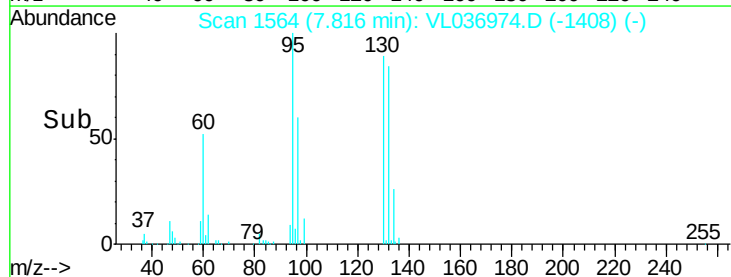
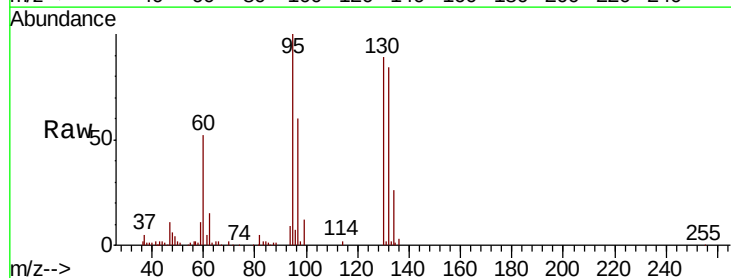
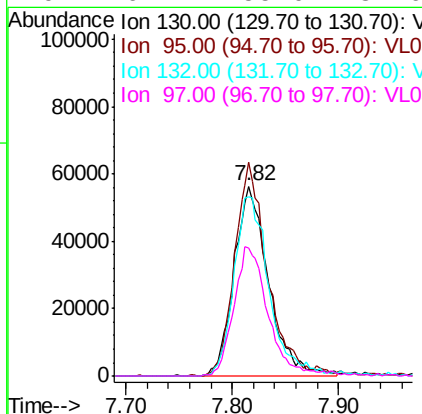
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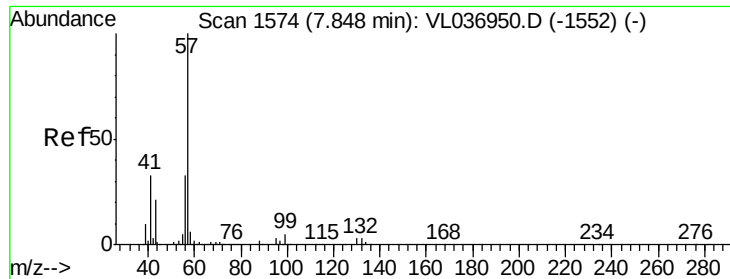
MMDadoda
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#38
Trichloroethene
Concen: 0.948 ppbv m
RT: 7.82 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VL036974.D
Acq: 18 May 2021 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	126763		
95	112.4		86.9	130.3
132	94.4		78.4	117.6
97	67.1		55.0	82.6





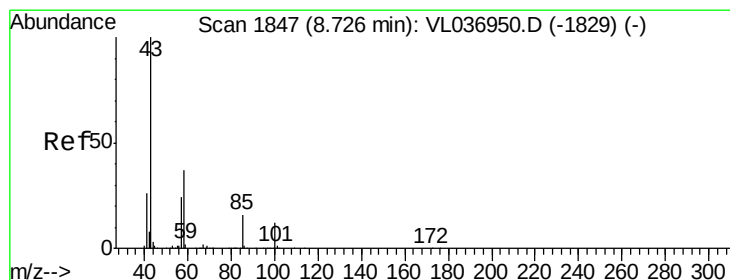
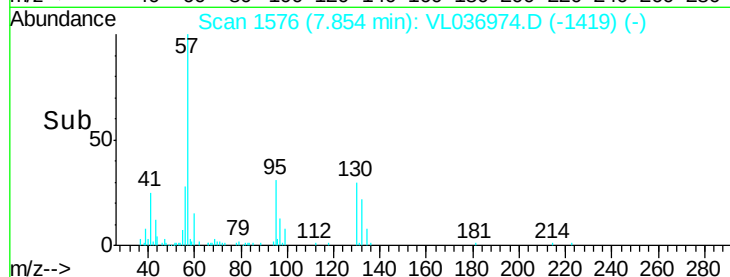
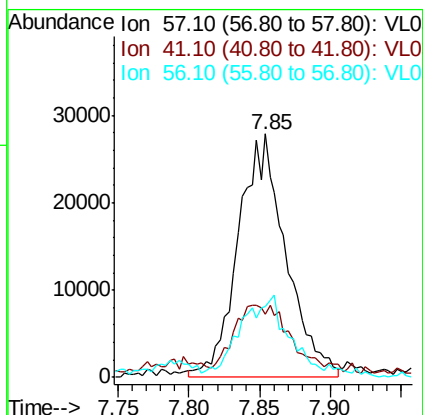
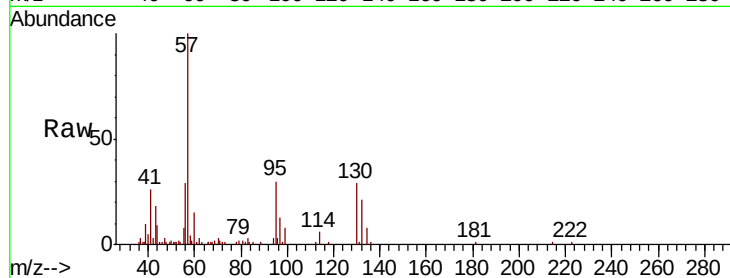
#44
 2,2,4-Trimethylpentane
 Concen: 0.122 ppbv m
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VL036974.D
 Acq: 18 May 2021 18:24

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Tot Ion	Ratio	Lower	Upper
57	100		
41	34.4	27.0	40.4
56	36.2	25.4	38.2

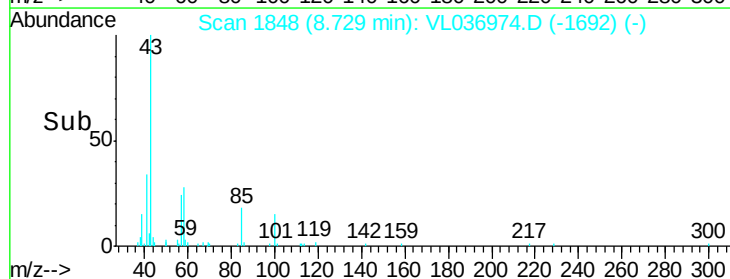
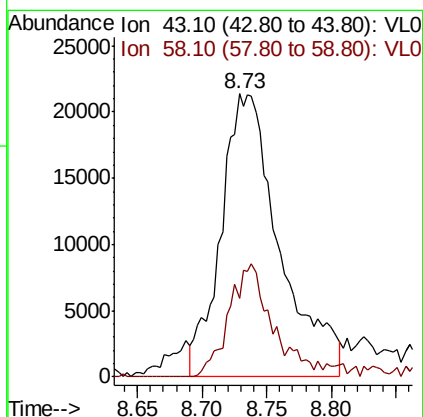
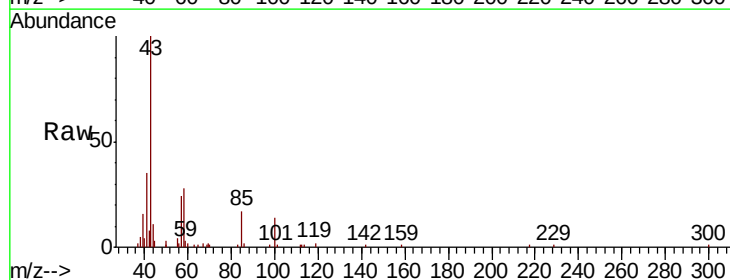
Manual Integrations
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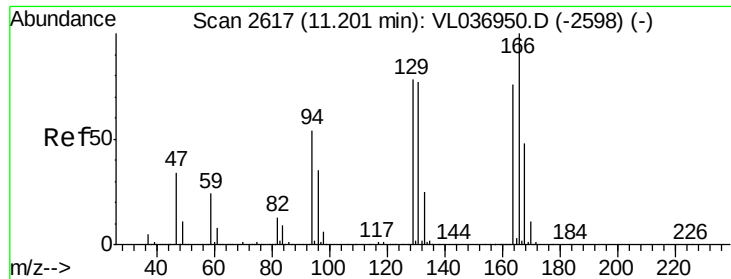
MMDadoda
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#50
 4-Methyl-2-Pentanone
 Concen: 0.310 ppbv m
 RT: 8.73 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: VL036974.D
 Acq: 18 May 2021 18:24

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.4	44.2#





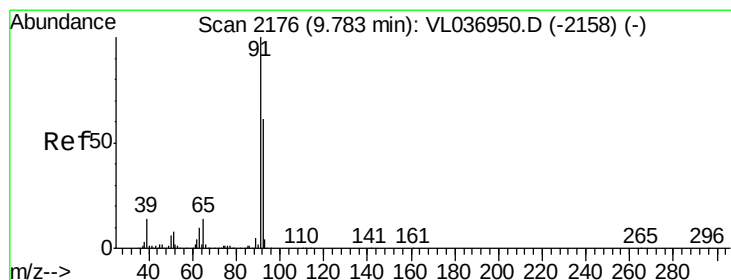
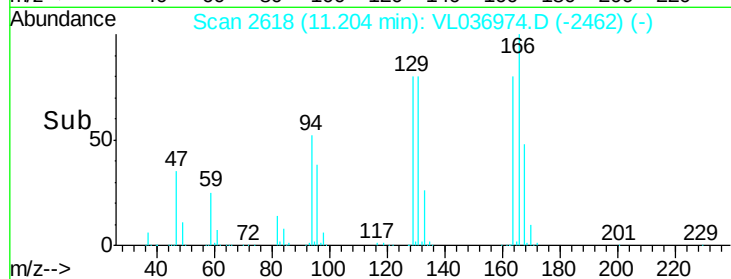
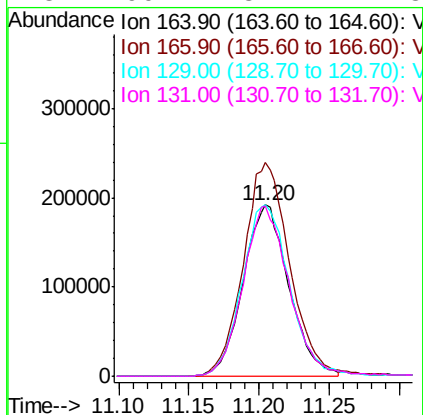
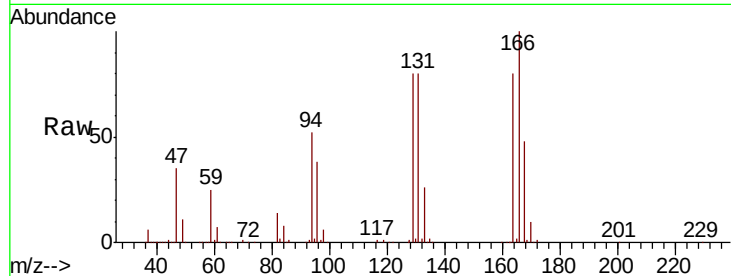
#52
Tetrachloroethene
Concen: 3.502 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. 0.00 min
Lab File: VL036974.D
Acq: 18 May 2021 18:24

Instrument :
MSVOA_L
ClientSampled :
IA2

Tot Ion	Ratio	Lower	Upper
164	100		
166	124.7	105.5	158.3
129	100.2	81.8	122.8
131	99.4	81.2	121.8

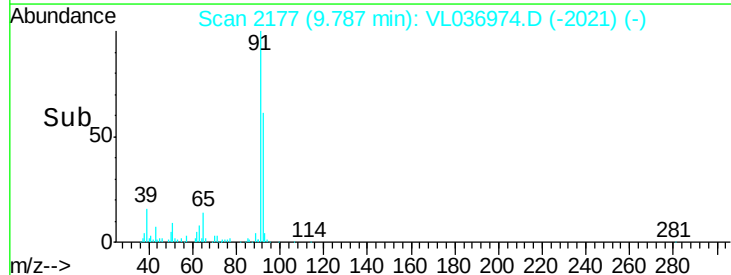
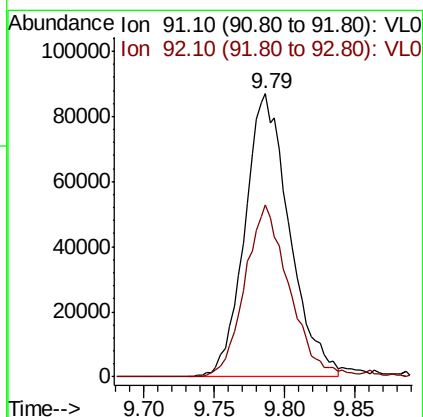
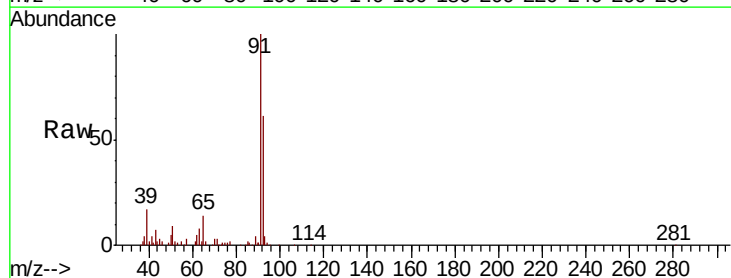
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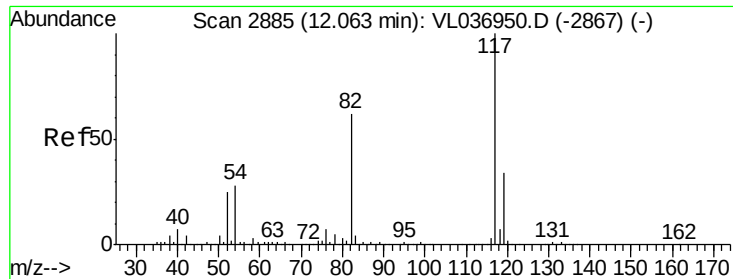
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#53
Toluene
Concen: 0.518 ppbv
RT: 9.79 min Scan# 2177
Delta R.T. 0.00 min
Lab File: VL036974.D
Acq: 18 May 2021 18:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.5	49.5	74.3





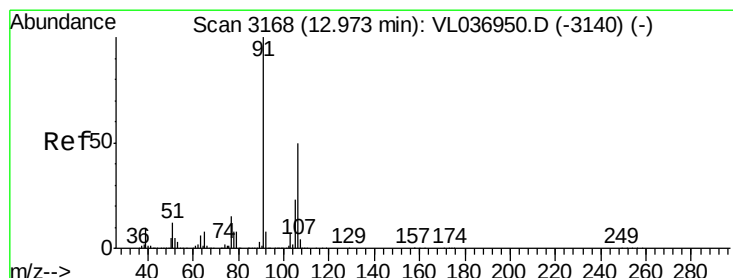
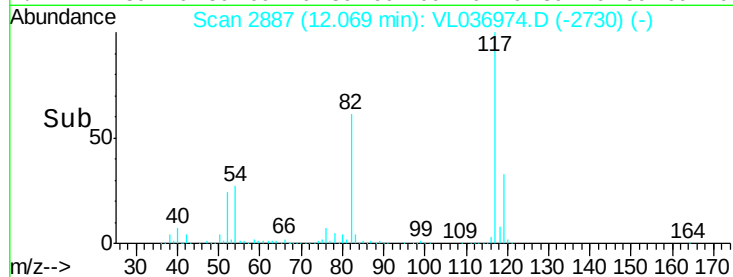
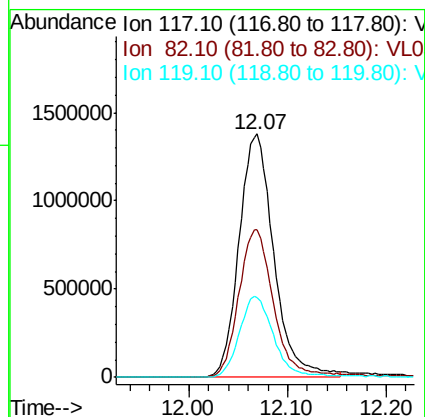
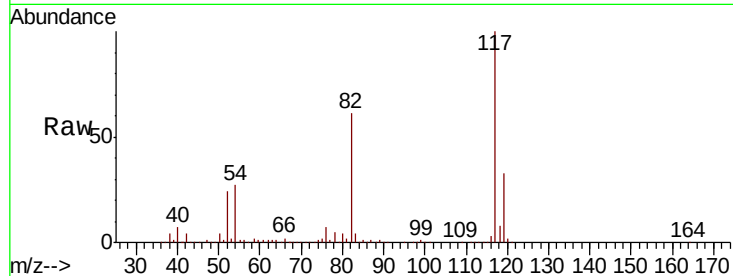
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. 0.01 min
Lab File: VL036974.D
Acq: 18 May 2021 18:24

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tot Ion:117 Resp: 3371656
Ion Ratio Lower Upper
117 100
82 63.2 52.6 79.0
119 33.7 46.6 70.0#

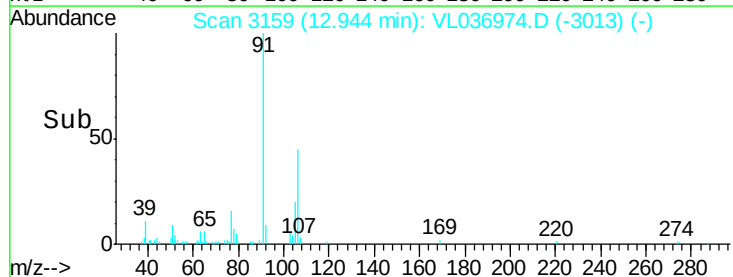
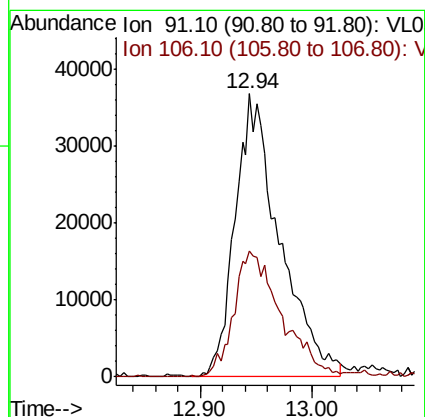
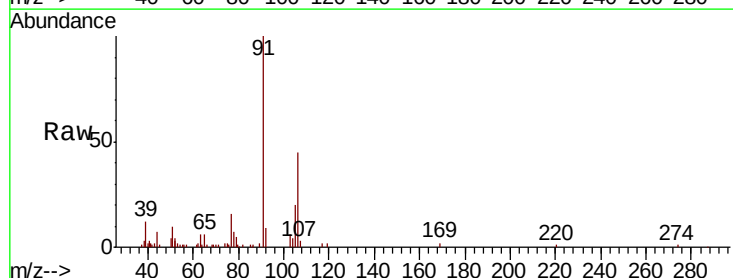
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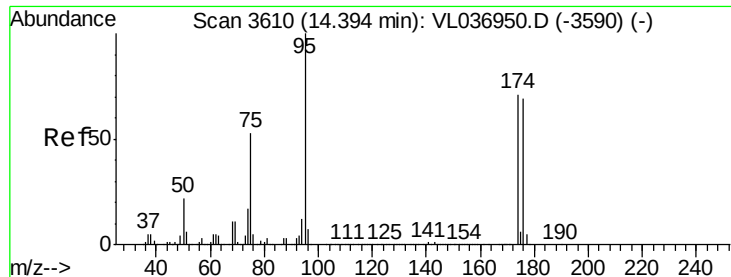
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#59
m/p-Xylene
Concen: 0.258 ppbv m
RT: 12.94 min Scan# 3159
Delta R.T. -0.03 min
Lab File: VL036974.D
Acq: 18 May 2021 18:24

Tgt Ion: 91 Resp: 101406
Ion Ratio Lower Upper
91 100
106 0.0 37.4 56.2#





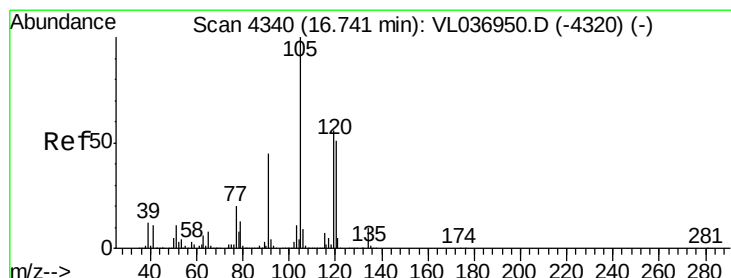
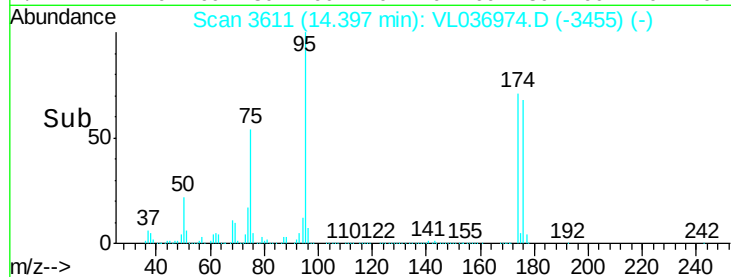
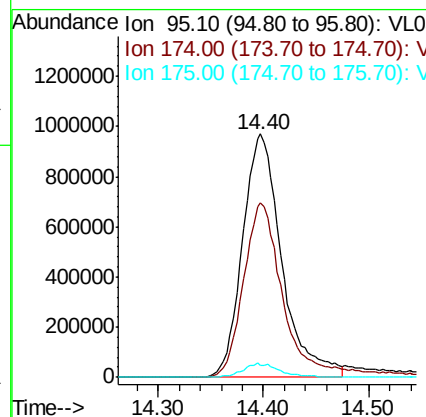
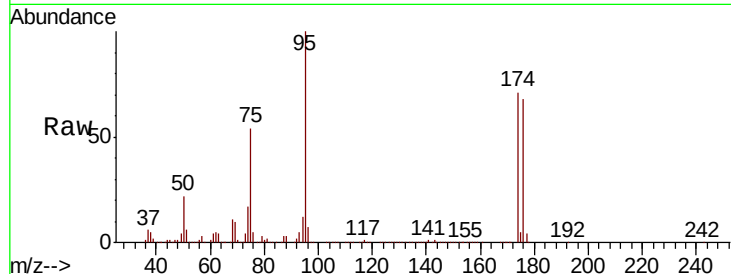
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.910 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T. 0.00 min
 Lab File: VL036974.D
 Acq: 18 May 2021 18:24

Instrument :
 MSVOA_L
 ClientSampled :
 IA2

Tot Ion: 95 Resp: 2509956
 Ion Ratio Lower Upper
 95 100
 174 75.8 58.4 87.6
 175 5.6 4.4 6.6

Manual Integrations
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MMDadoda
 5/20/2021 5:55:50 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.133 ppbv m
 RT: 16.74 min Scan# 4341
 Delta R.T. 0.00 min
 Lab File: VL036974.D
 Acq: 18 May 2021 18:24

Tgt Ion: 105 Resp: 57285
 Ion Ratio Lower Upper
 105 100
 120 45.2 40.6 61.0
 91 10.4 37.4 56.0#
 77 11.7 16.2 24.4#

