

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060821\
 Data File : VL037129.D
 Acq On : 8 Jun 2021 13:00
 Operator : SY/AP
 Sample : M2614-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-1C

Manual Integrations
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 6/9/2021 4:23:19 PM

Quant Time: Jun 09 01:40:48 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	5.66	49	1415620	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	4149559	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3757495	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2862618	10.14	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	59138	0.246	ppbv	91
3) Chlorodifluoromethane	2.99	51	370664m	1.429	ppbv	
4) Chloromethane	3.14	50	49678	0.563	ppbv	100
9) Propene	3.02	41	164337m	1.770	ppbv	
11) Trichlorofluoromethane	3.95	101	50920	0.229	ppbv #	82
13) Ethanol	3.62	45	12323597	994.585	ppbv	100
15) Acetone	3.85	43	1787031	12.325	ppbv	91
17) tert-Butyl alcohol	4.31	59	51095m	0.385	ppbv	
19) Isopropyl Alcohol	3.98	45	3316380	42.549	ppbv #	33
20) Methylene Chloride	4.34	84	694842	8.940	ppbv	99
26) Hexane	5.69	57	544542	3.059	ppbv #	61
29) Chloroform	5.75	83	49060m	0.195	ppbv	
30) Cyclohexane	7.12	84	20148m	0.133	ppbv	
34) 2-Butanone	5.25	43	127734	0.845	ppbv	96
35) Carbon Tetrachloride	7.02	117	17454m	0.063	ppbv	
36) Benzene	6.89	78	975681m	2.730	ppbv	
44) 2,2,4-Trimethylpentane	7.87	57	76436m	0.125	ppbv	
50) 4-Methyl-2-Pentanone	8.74	43	45996	0.184	ppbv	97
52) Tetrachloroethene	11.22	164	4628m	0.033	ppbv	
53) Toluene	9.80	91	661888	1.556	ppbv	97
59) m/p-Xylene	12.97	91	106271m	0.242	ppbv	
61) Styrene	13.53	104	32251m	0.137	ppbv	
74) 1,2,4-Trimethylbenzene	16.76	105	76625m	0.159	ppbv	
79) Naphthalene	22.21	128	66018m	0.175	ppbv	

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

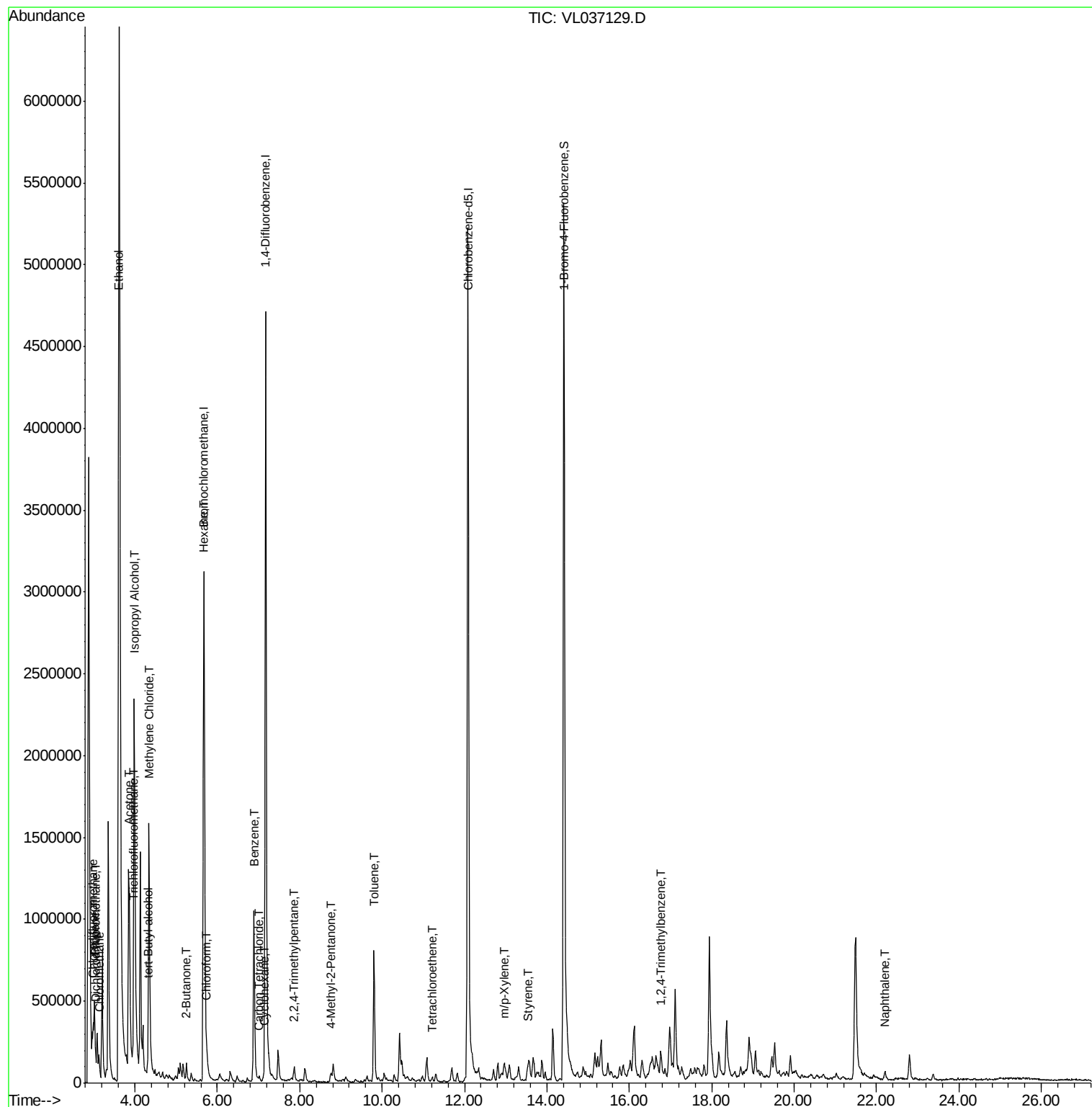
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL060821\
Data File : VL037129.D
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Misc : 400mL/MSVOA L
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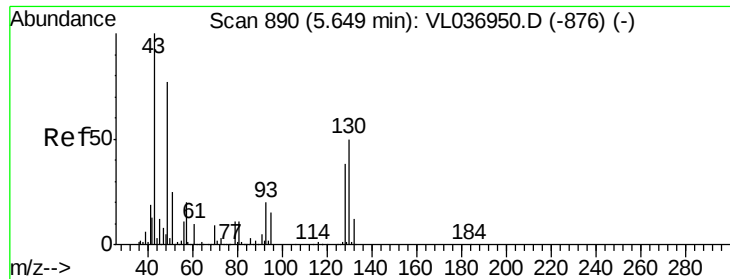
Instrument :
MSVOA_L
ClientSampleId :
SR-1C

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Quant Time: Jun 09 01:40:48 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

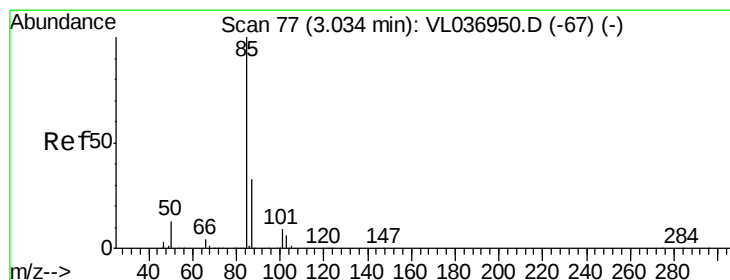
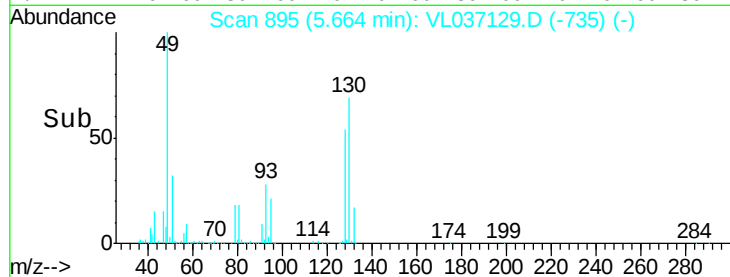
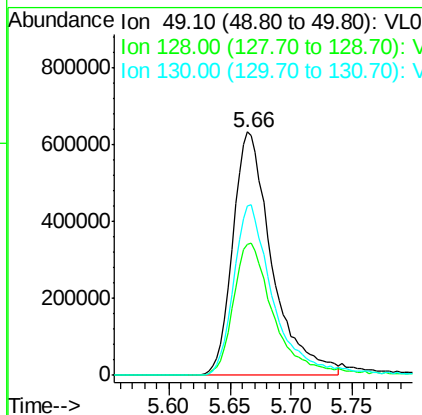
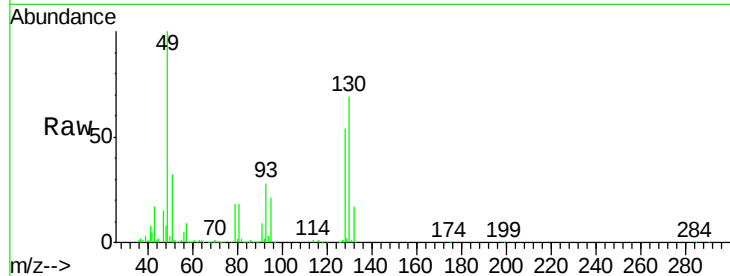
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 895
 Delta R.T. 0.02 min
 Lab File: VL037129.D
 Acq: 8 Jun 2021 13:00

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-1C

Tot Ion: 49 Resp: 1415620
 Ion Ratio Lower Upper
 49 100
 128 57.5 26.9 80.7
 130 72.8 33.8 101.4

Manual Integrations
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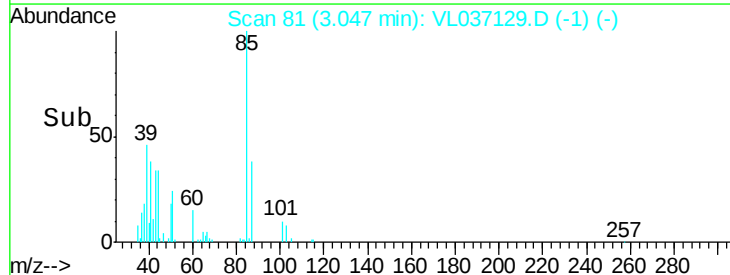
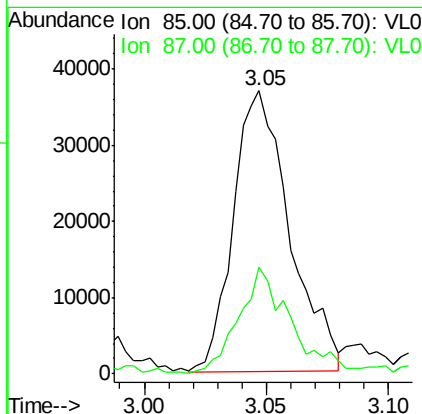
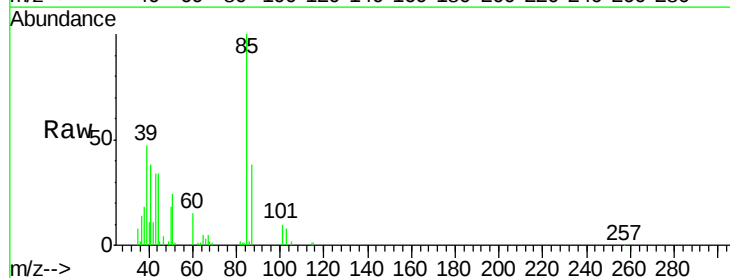
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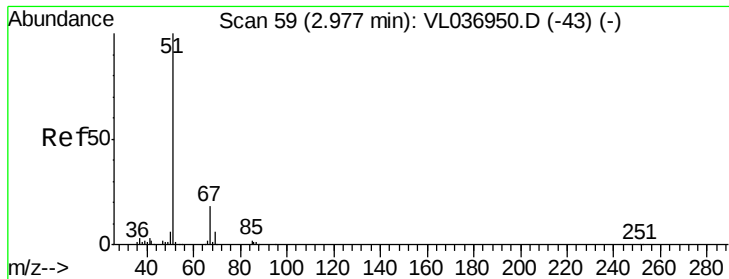


#2

Dichlorodifluoromethane
 Concen: 0.246 ppbv
 RT: 3.05 min Scan# 81
 Delta R.T. 0.01 min
 Lab File: VL037129.D
 Acq: 8 Jun 2021 13:00

Tgt Ion: 85 Resp: 59138
 Ion Ratio Lower Upper
 85 100
 87 38.0 26.6 39.8





#3

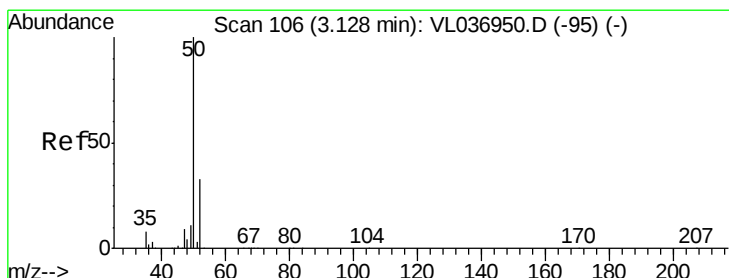
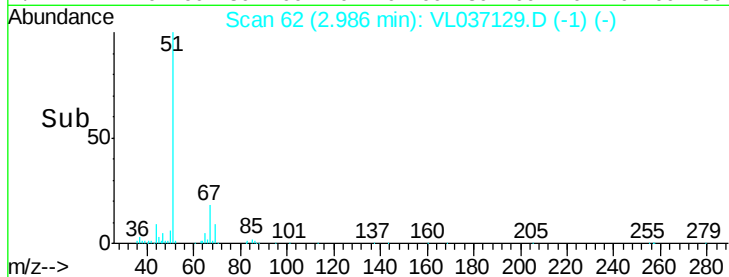
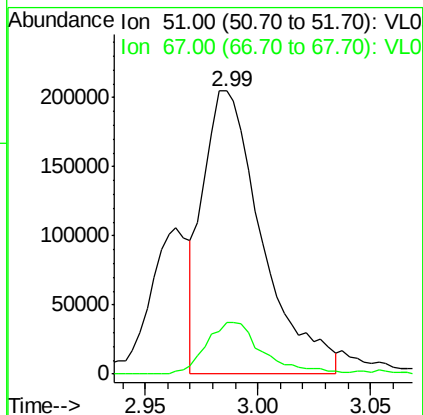
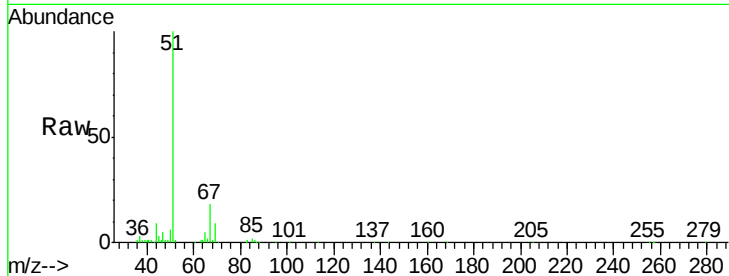
Chlorodifluoromethane
Concen: 1.429 ppbv
RT: 2.99 min Scan# 62
Delta R.T. 0.01 min
Lab File: VL037129.D
Acq: 8 Jun 2021 13:00

Instrument :
MSVOA_L
ClientSampleId :
SR-1C

Tot Ion	Ratio	Lower	Upper
51	100		
67	18.7	14.6	21.8

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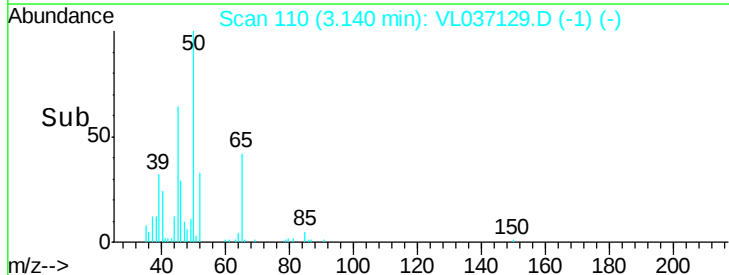
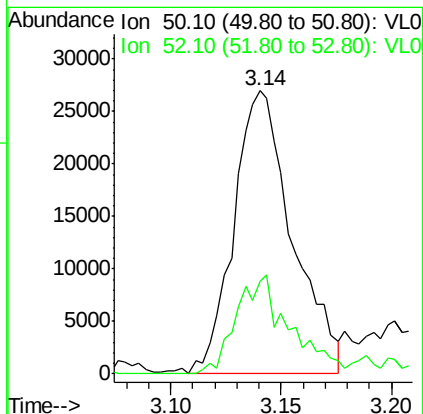
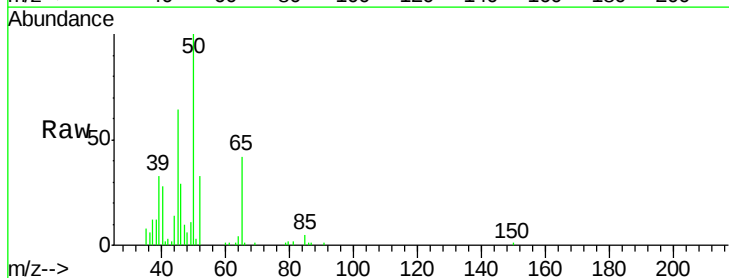
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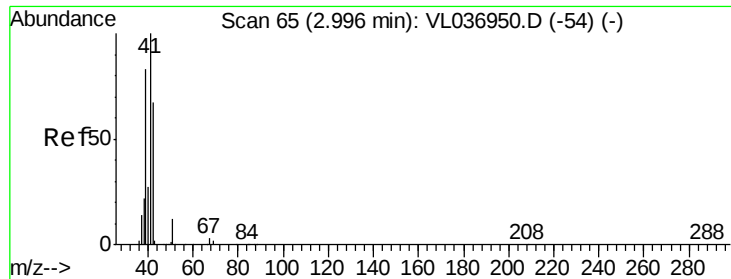


#4

Chloromethane
Concen: 0.563 ppbv
RT: 3.14 min Scan# 110
Delta R.T. 0.01 min
Lab File: VL037129.D
Acq: 8 Jun 2021 13:00

Tgt Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.1	39.1





#9

Propene

Concen: 1.770 ppbv m

RT: 3.02 min Scan# 73

Delta R.T. 0.03 min

Lab File: VL037129.D

Acq: 8 Jun 2021 13:00

Instrument :

MSVOA_L

ClientSampleId :

SR-1C

Tot Ion: 41 Resp: 164337

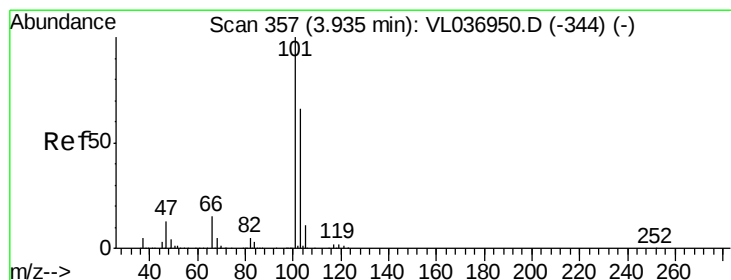
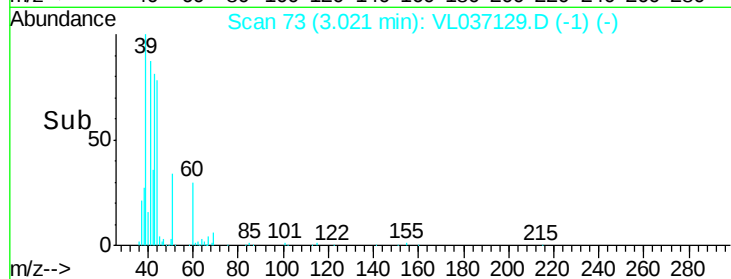
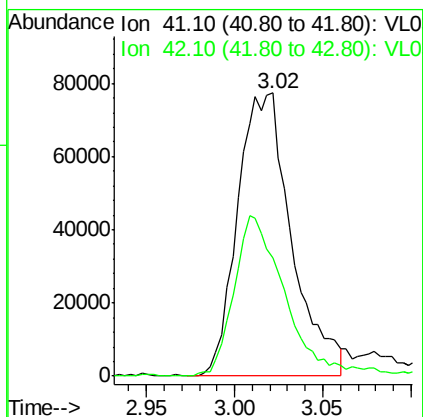
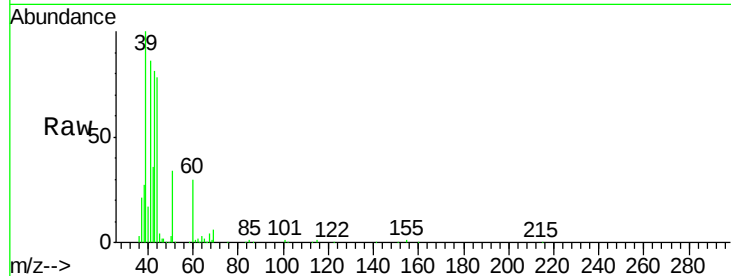
Ion Ratio Lower Upper

41 100

42 55.0 53.9 80.9

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#11

Trichlorofluoromethane

Concen: 0.229 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.02 min

Lab File: VL037129.D

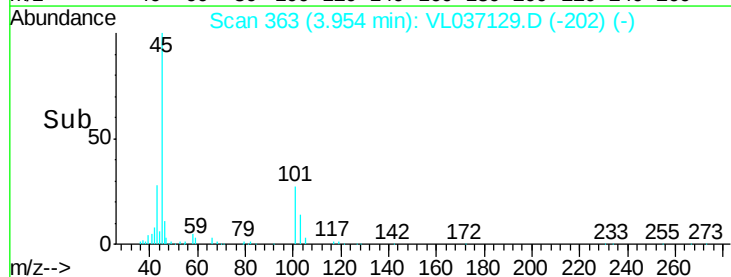
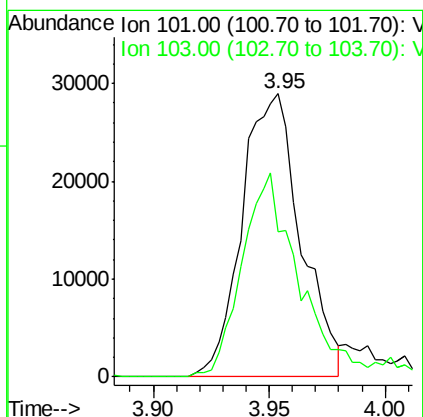
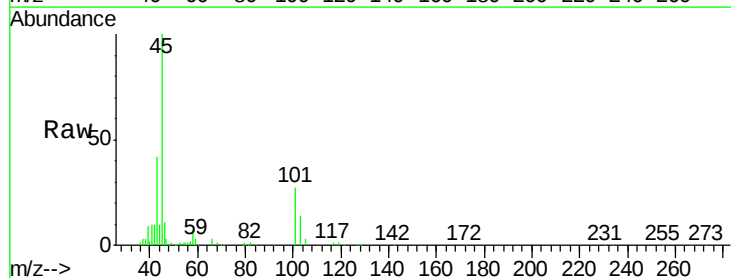
Acq: 8 Jun 2021 13:00

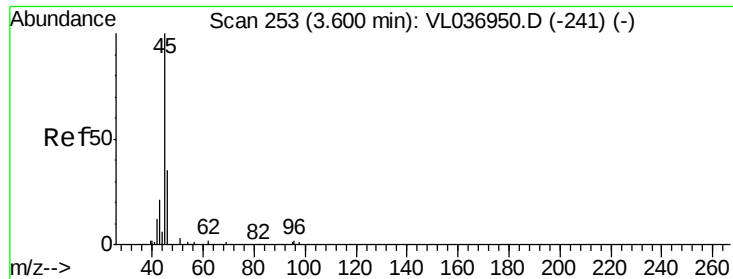
Tgt Ion: 101 Resp: 50920

Ion Ratio Lower Upper

101 100

103 51.3 52.6 79.0#





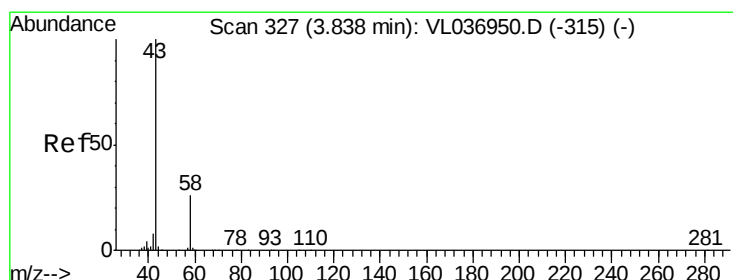
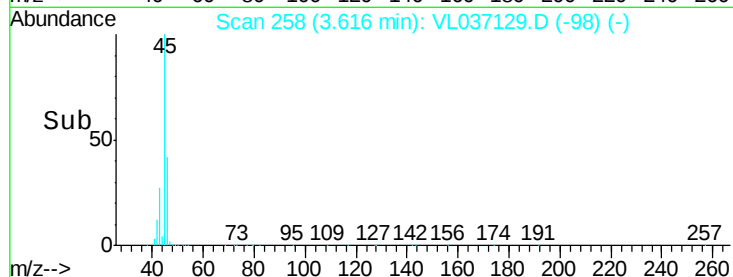
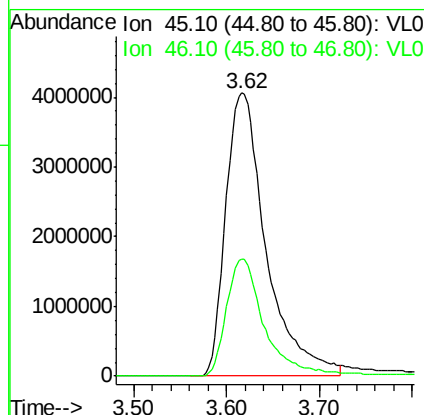
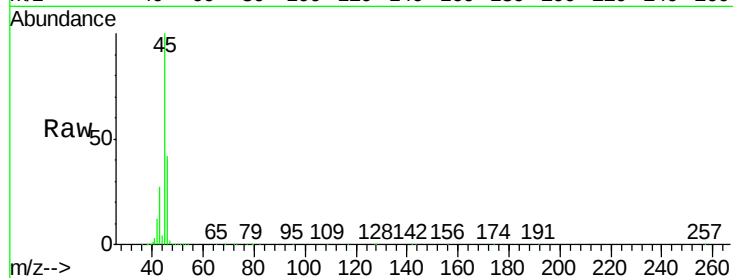
#13
Ethanol
Concen: 994.585 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.02 min
Lab File: VL037129.D
Acq: 8 Jun 2021 13:00

Instrument :
MSVOA_L
ClientSampleId :
SR-1C

Tot Ion: 45 Resp:12323597
Ion Ratio Lower Upper
45 100
46 40.5 16.3 65.3

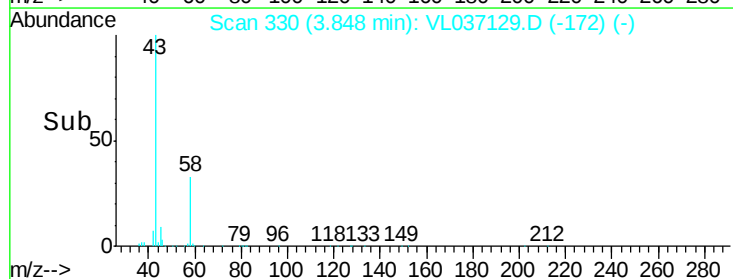
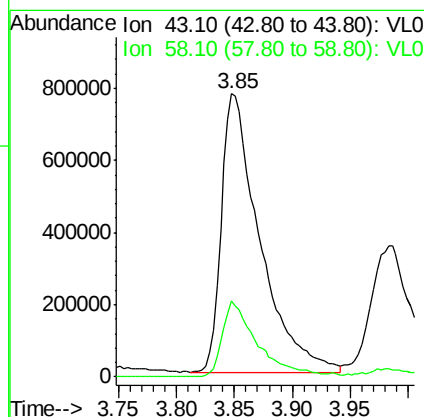
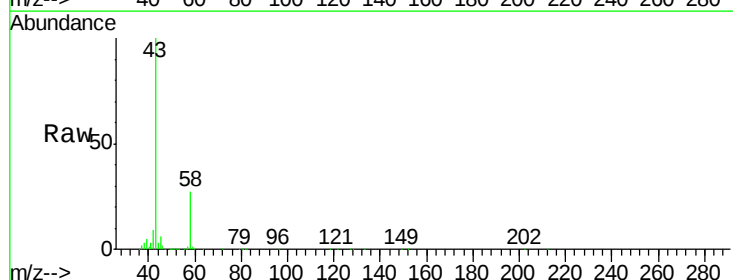
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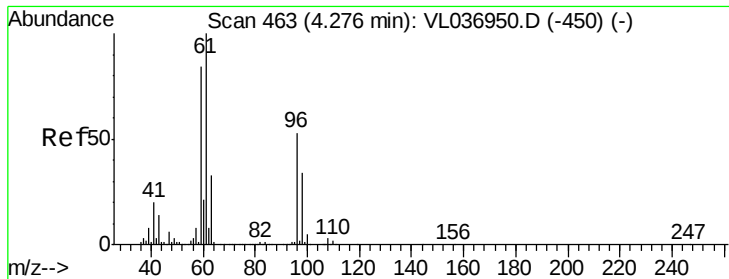
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#15
Acetone
Concen: 12.325 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.01 min
Lab File: VL037129.D
Acq: 8 Jun 2021 13:00

Tgt Ion: 43 Resp: 1787031
Ion Ratio Lower Upper
43 100
58 25.2 24.0 36.0





#17

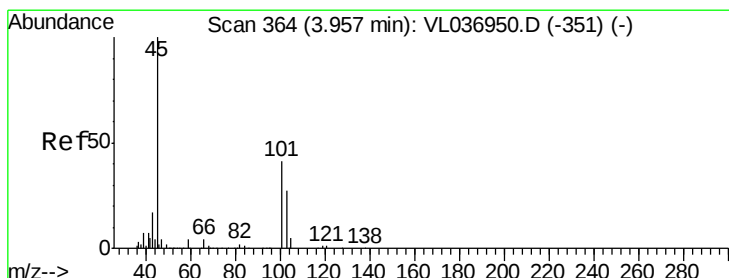
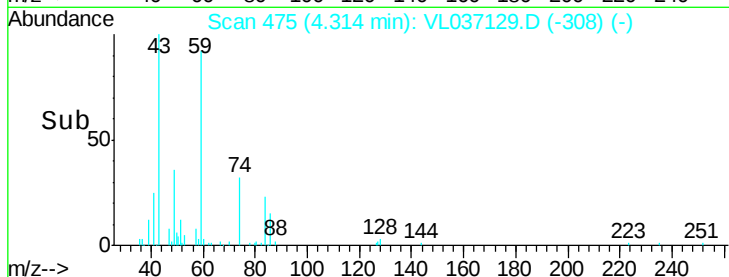
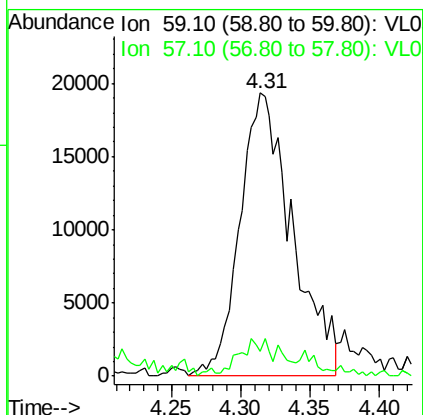
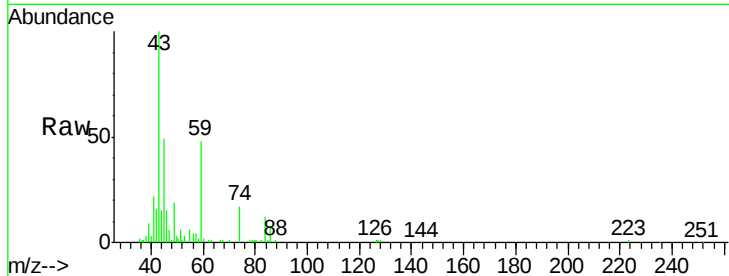
tert-Butyl alcohol
Concen: 0.385 ppbv m
RT: 4.31 min Scan# 475
Delta R.T. 0.04 min
Lab File: VL037129.D
Acq: 8 Jun 2021 13:00

Instrument :
MSVOA_L
ClientSampleId :
SR-1C

Tot Ion: 59 Resp: 51095
Ion Ratio Lower Upper
59 100
57 13.7 8.3 12.5#

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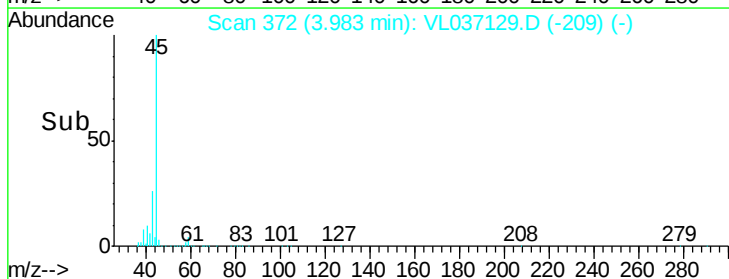
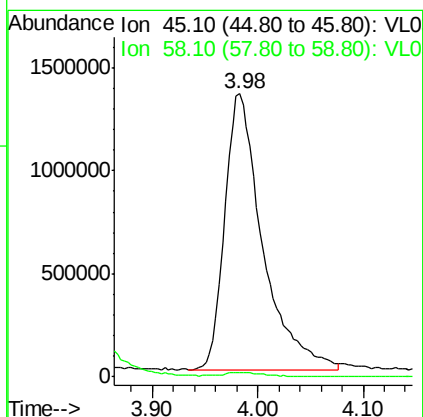
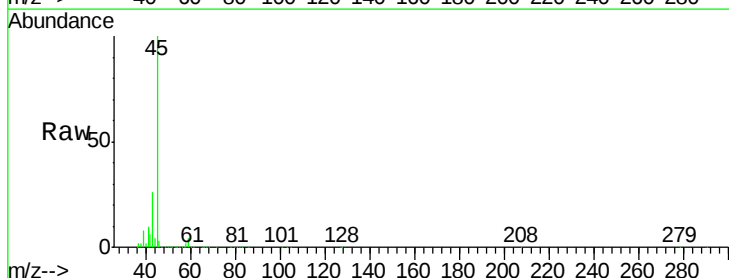
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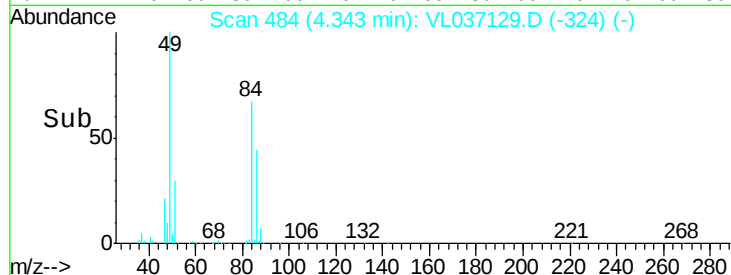
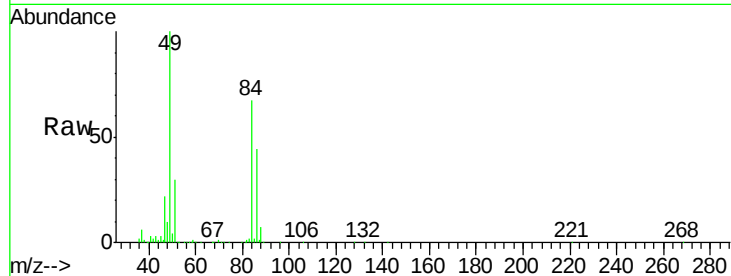
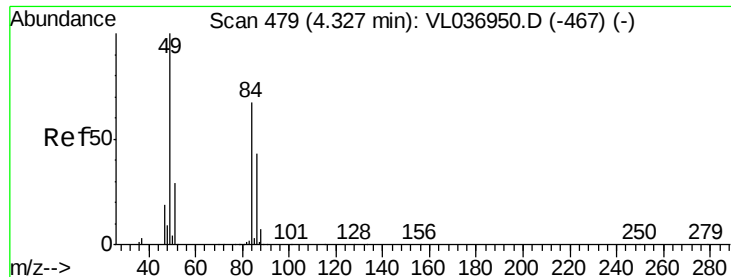


#19

Isopropyl Alcohol
Concen: 42.549 ppbv
RT: 3.98 min Scan# 372
Delta R.T. 0.03 min
Lab File: VL037129.D
Acq: 8 Jun 2021 13:00

Tgt Ion: 45 Resp: 3316380
Ion Ratio Lower Upper
45 100
58 2.1 37.2 55.8#





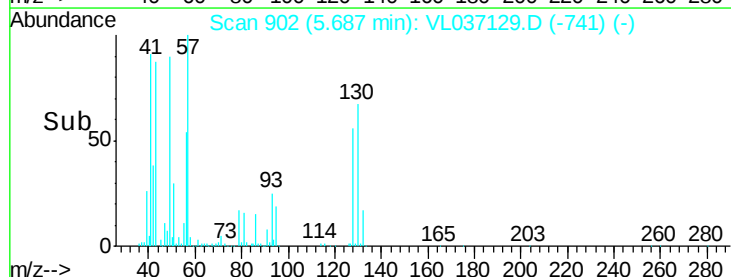
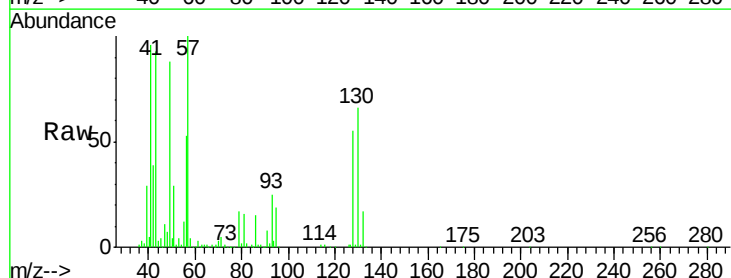
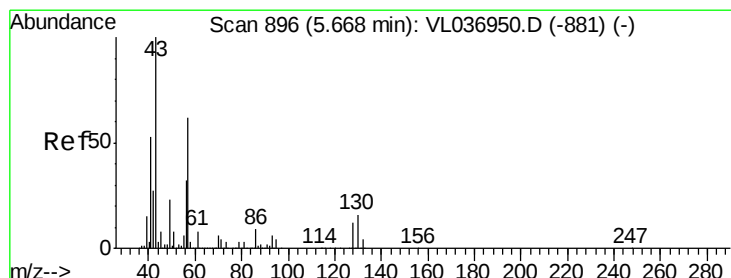
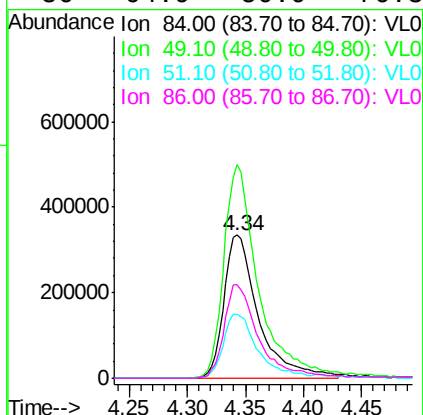
#20
Methvlene Chloride
Concen: 8.940 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.02 min
Lab File: VL037129.D
Acq: 8 Jun 2021 13:00

Tot Ion	84	Resp	694842
Ion Ratio	Lower	Upper	
84	100		
49	149.1	119.8	179.6
51	44.8	35.1	52.7
86	64.9	50.9	76.3

Instrument :
MSVOA_L
ClientSampleId :
SR-1C

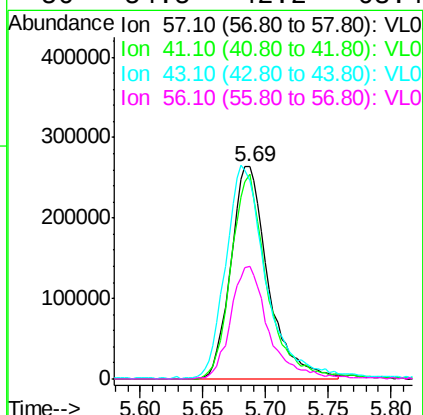
Manual Integrations
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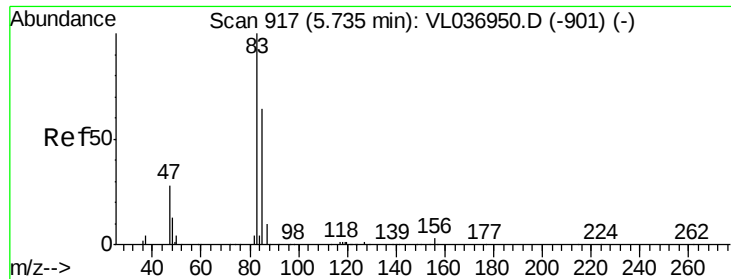
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#26
Hexane
Concen: 3.059 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.02 min
Lab File: VL037129.D
Acq: 8 Jun 2021 13:00

Tgt Ion	57	Resp	544542
Ion Ratio	Lower	Upper	
57	100		
41	93.8	70.5	105.7
43	110.3	165.8	248.8#
56	54.5	42.2	63.4





#29

Chloroform

Concen: 0.195 ppbv m

RT: 5.75 min Scan# 921

Delta R.T. 0.01 min

Lab File: VL037129.D

Acq: 8 Jun 2021 13:00

Instrument :

MSVOA_L

ClientSampleId :

SR-1C

Tot Ion: 83 Resp: 49060

Ion Ratio Lower Upper

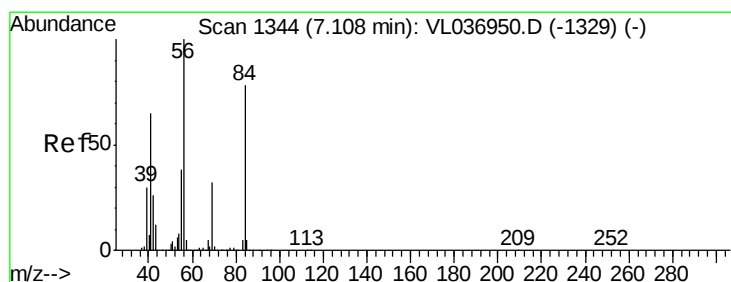
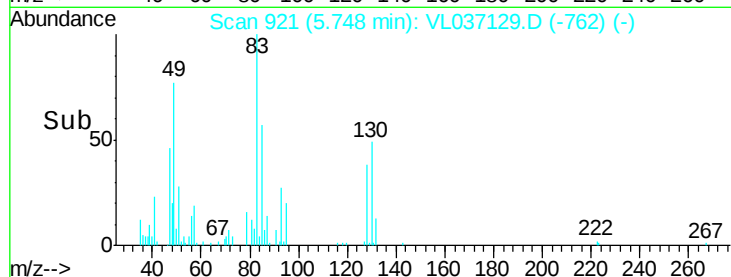
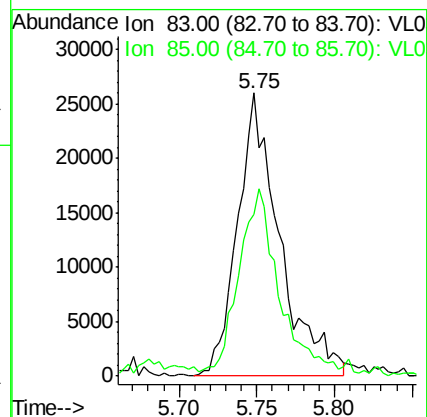
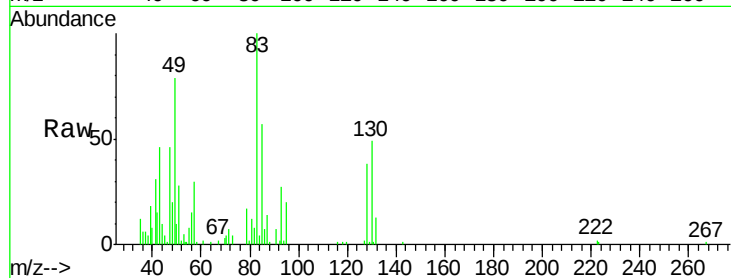
83 100

85 57.1 51.1 76.7

Manual Integrations
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#30

Cyclohexane

Concen: 0.133 ppbv m

RT: 7.12 min Scan# 1349

Delta R.T. 0.02 min

Lab File: VL037129.D

Acq: 8 Jun 2021 13:00

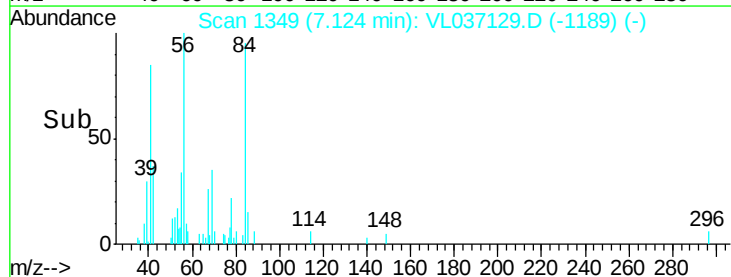
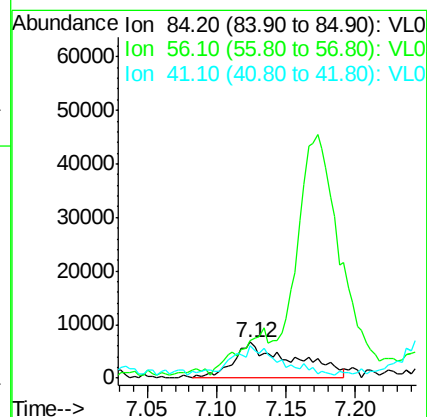
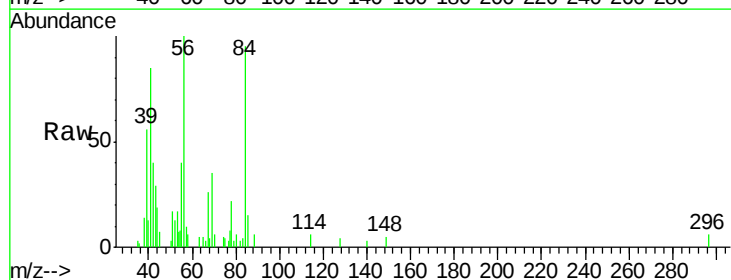
Tgt Ion: 84 Resp: 20148

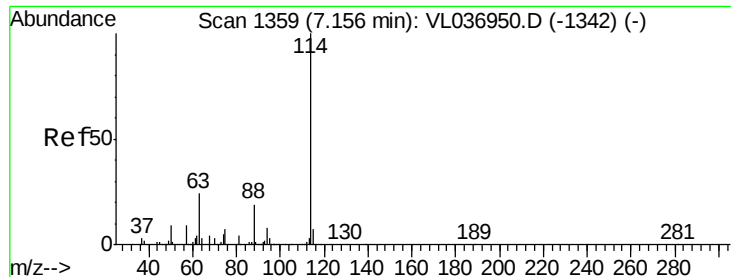
Ion Ratio Lower Upper

84 100

56 0.0 107.9 161.9#

41 65.0 65.5 98.3#





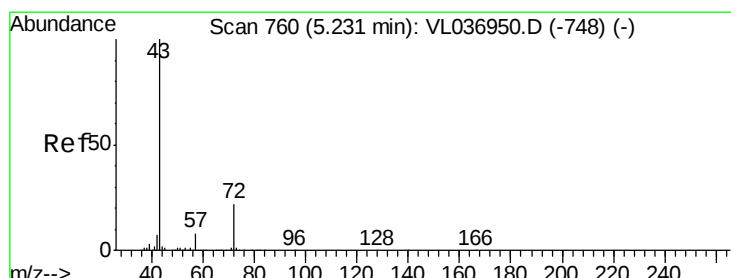
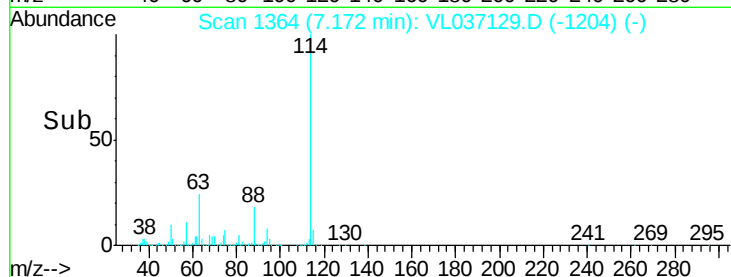
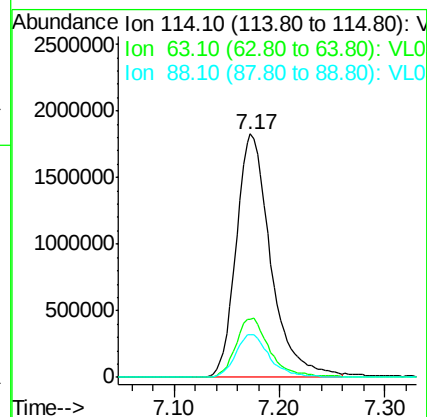
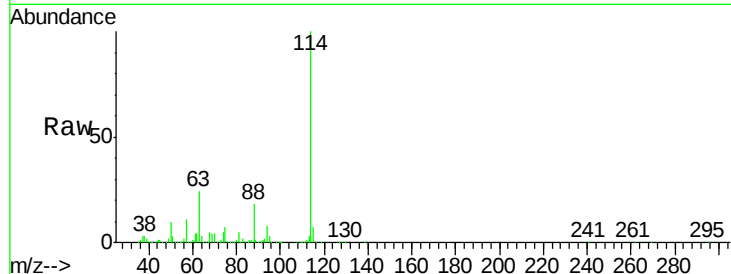
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.02 min
 Lab File: VL037129.D
 Acq: 8 Jun 2021 13:00

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-1C

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.6	29.4
88	17.6	14.6	21.8

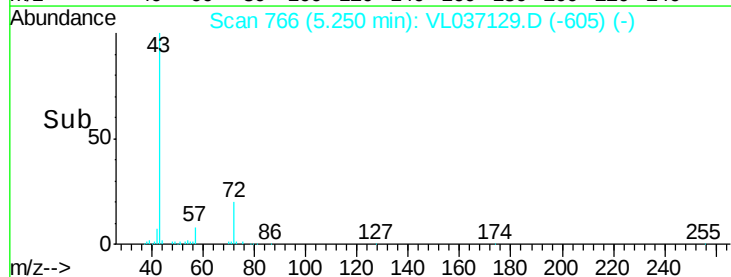
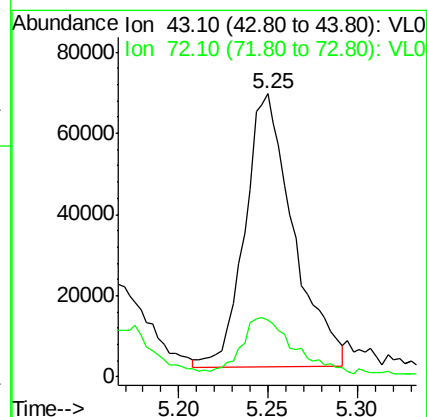
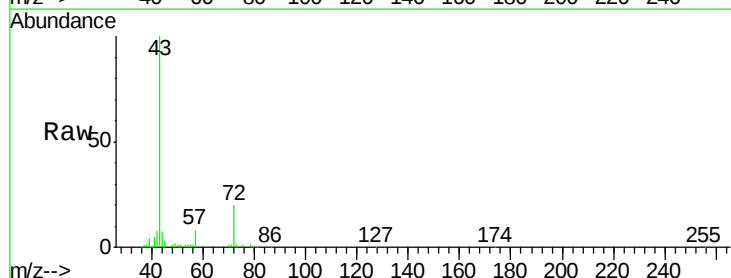
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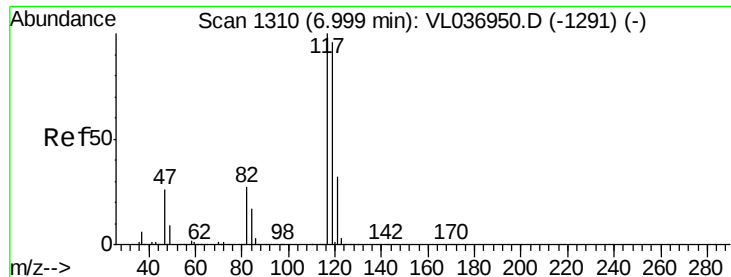
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#34
 2-Butanone
 Concen: 0.845 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.02 min
 Lab File: VL037129.D
 Acq: 8 Jun 2021 13:00

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.8	19.0	28.4





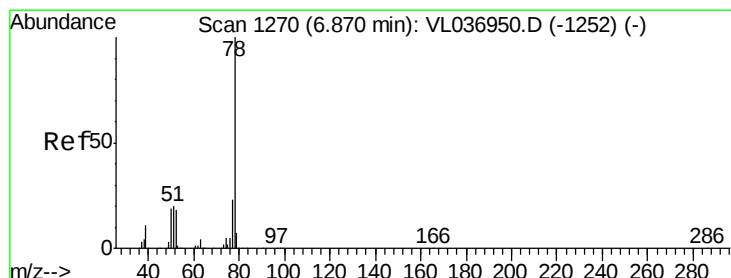
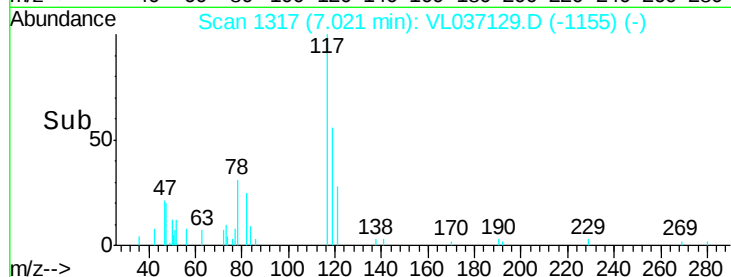
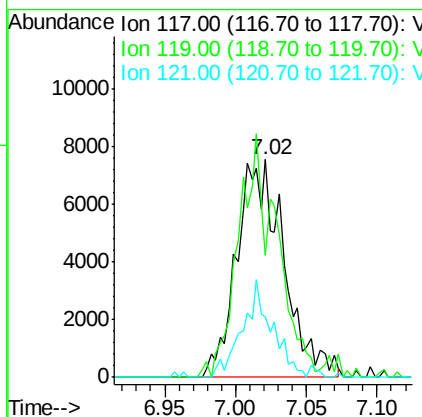
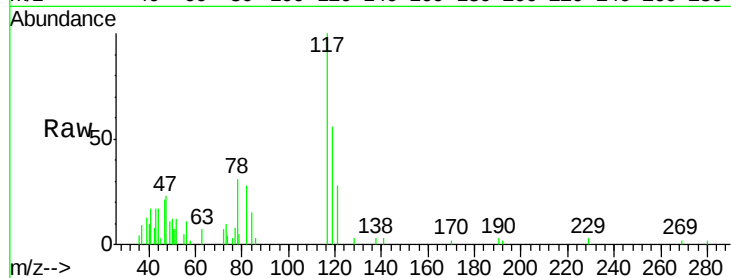
#35
Carbon Tetrachloride
Concen: 0.063 ppbv m
RT: 7.02 min Scan# 1317
Delta R.T. 0.02 min
Lab File: VL037129.D
Acq: 8 Jun 2021 13:00

Instrument :
MSVOA_L
ClientSampleId :
SR-1C

Tot Ion	Ratio	Lower	Upper
117	100		
119	56.3	76.6	114.8#
121	27.6	25.8	38.6

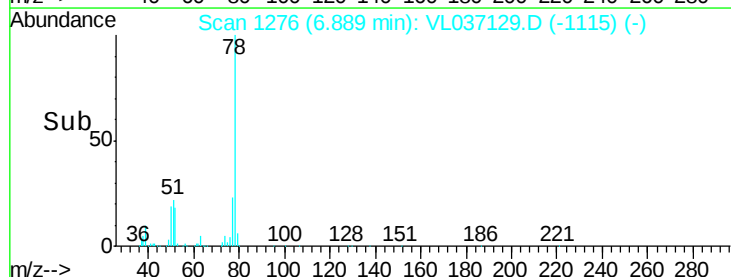
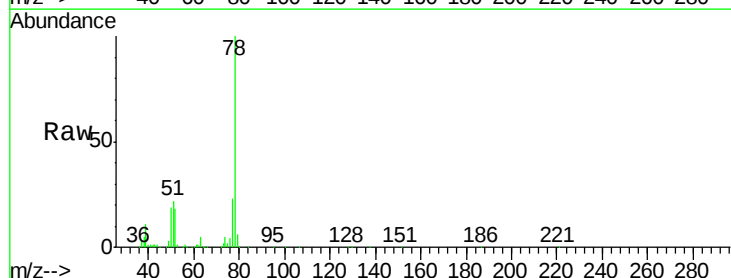
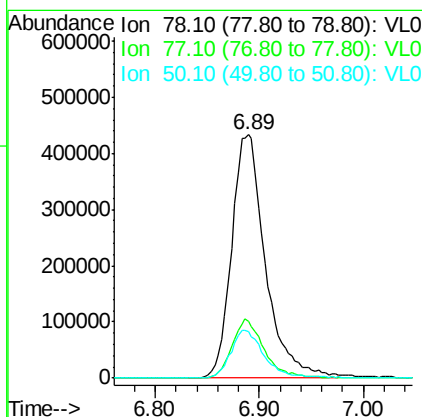
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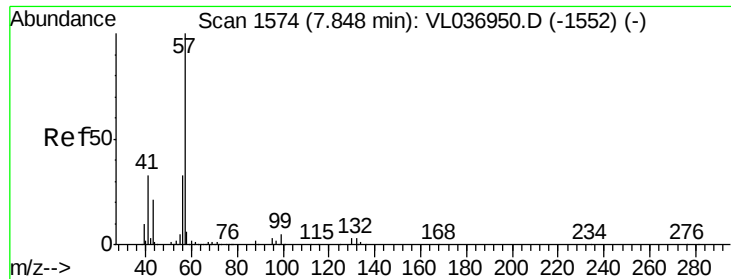
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#36
Benzene
Concen: 2.730 ppbv m
RT: 6.89 min Scan# 1276
Delta R.T. 0.02 min
Lab File: VL037129.D
Acq: 8 Jun 2021 13:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.6	28.0
50	19.1	15.0	22.4





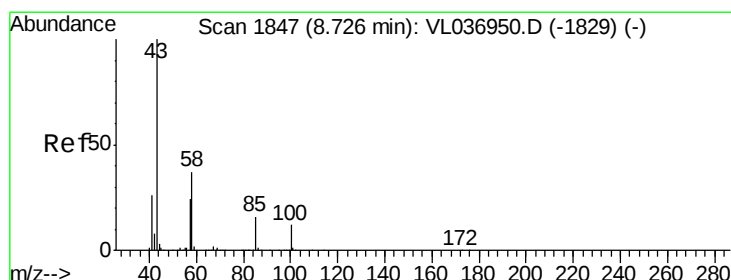
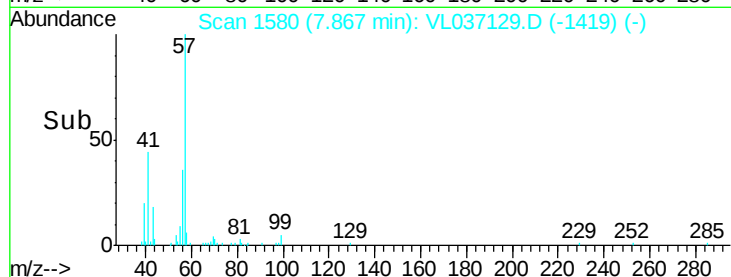
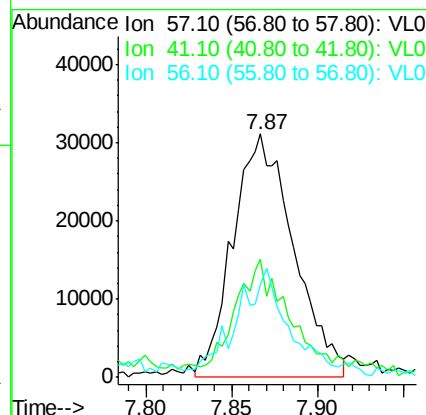
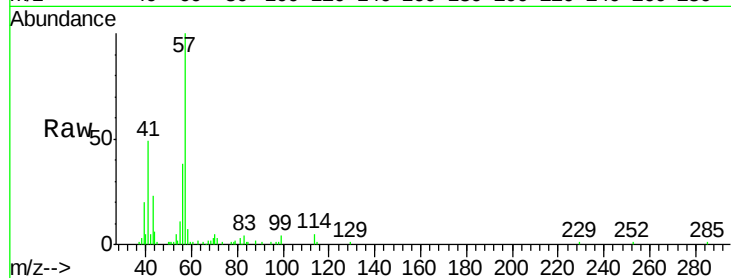
#44
 2,2,4-Trimethylpentane
 Concen: 0.125 ppbv m
 RT: 7.87 min Scan# 1580
 Delta R.T. 0.02 min
 Lab File: VL037129.D
 Acq: 8 Jun 2021 13:00

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-1C

Tot Ion	Ratio	Lower	Upper
57	100		
41	46.6	27.0	40.4#
56	42.6	25.4	38.2#

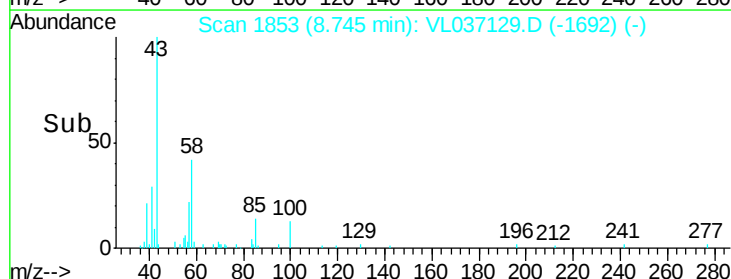
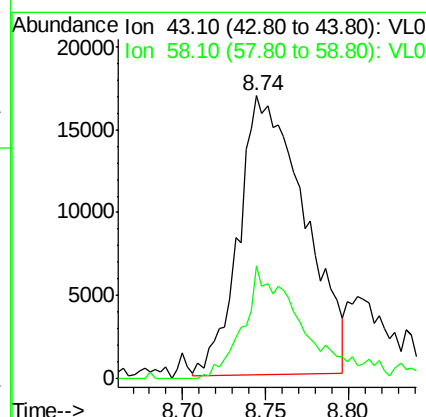
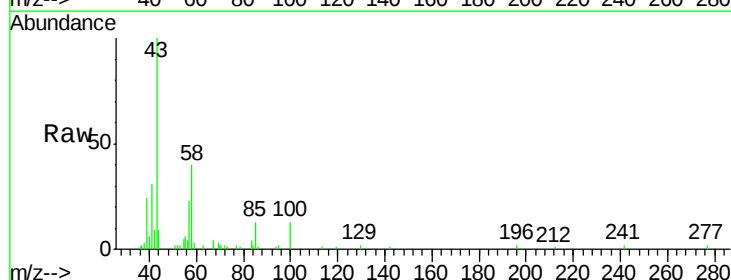
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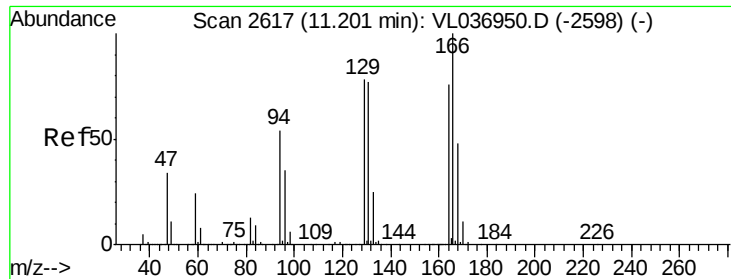
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#50
 4-Methyl-2-Pentanone
 Concen: 0.184 ppbv
 RT: 8.74 min Scan# 1853
 Delta R.T. 0.02 min
 Lab File: VL037129.D
 Acq: 8 Jun 2021 13:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.4	29.4	44.2





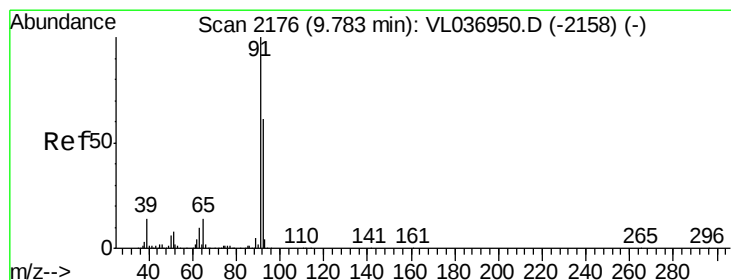
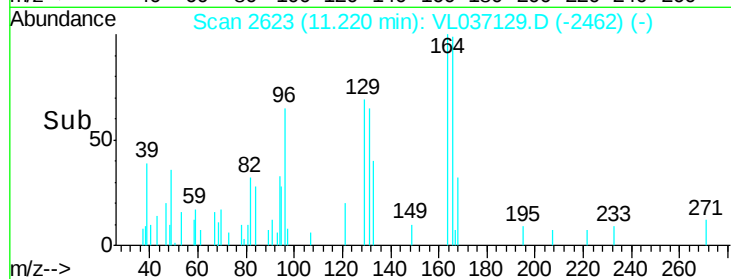
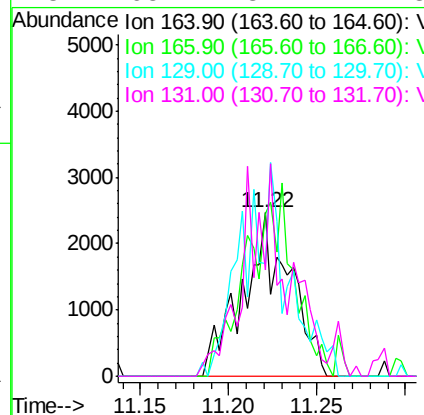
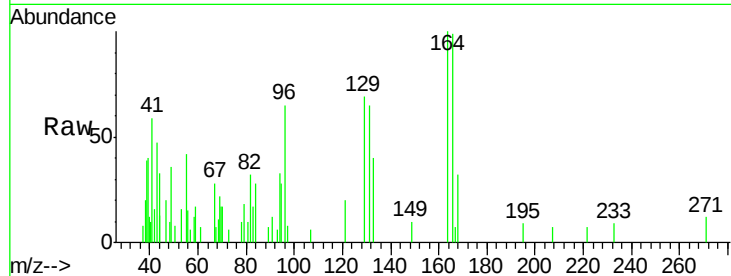
#52
Tetrachloroethene
Concen: 0.033 ppbv m
RT: 11.22 min Scan# 2623
Delta R.T. 0.02 min
Lab File: VL037129.D
Acq: 8 Jun 2021 13:00

Instrument :
MSVOA_L
ClientSampleId :
SR-1C

Tot Ion	Ratio	Lower	Upper
164	100		
166	99.1	105.5	158.3#
129	68.7	81.8	122.8#
131	65.2	81.2	121.8#

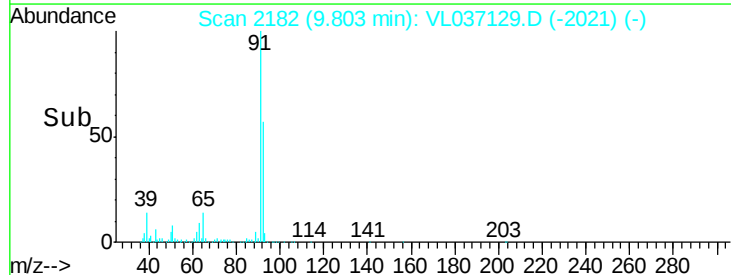
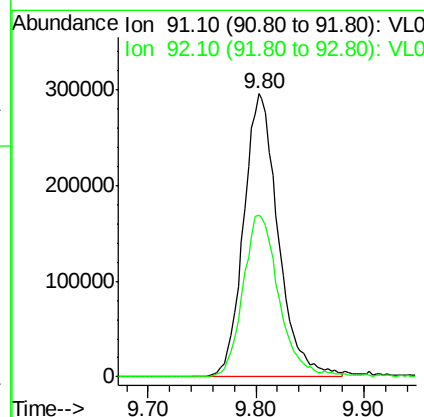
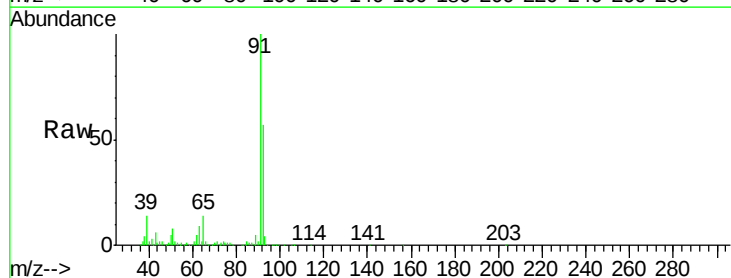
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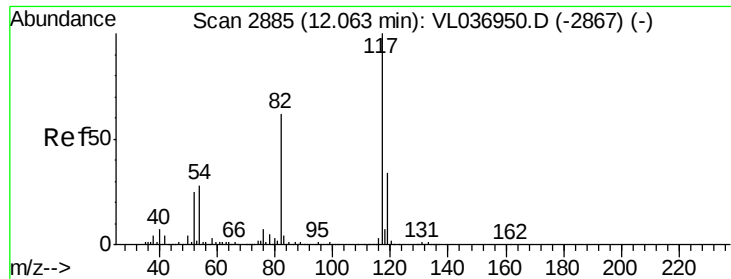
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#53
Toluene
Concen: 1.556 ppbv
RT: 9.80 min Scan# 2182
Delta R.T. 0.02 min
Lab File: VL037129.D
Acq: 8 Jun 2021 13:00

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.8	49.5	74.3





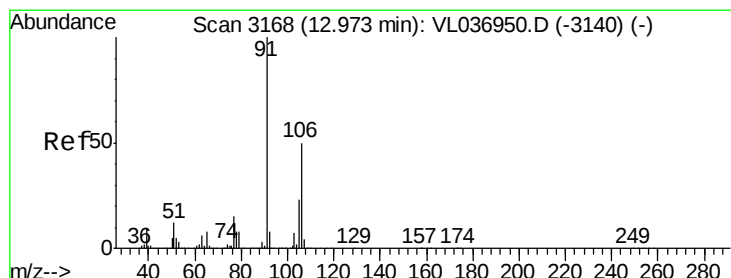
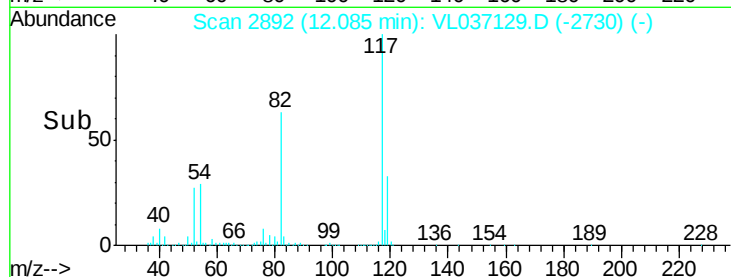
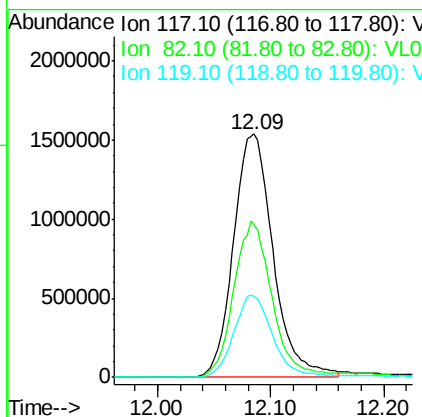
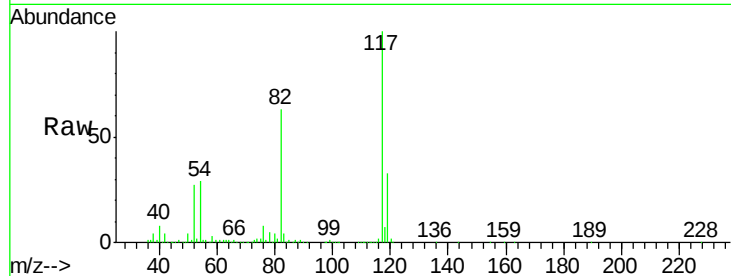
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. 0.02 min
Lab File: VL037129.D
Acq: 8 Jun 2021 13:00

Instrument :
MSVOA_L
ClientSampleId :
SR-1C

Tot Ion:117 Resp: 3757495
Ion Ratio Lower Upper
117 100
82 64.5 52.6 79.0
119 33.7 46.6 70.0#

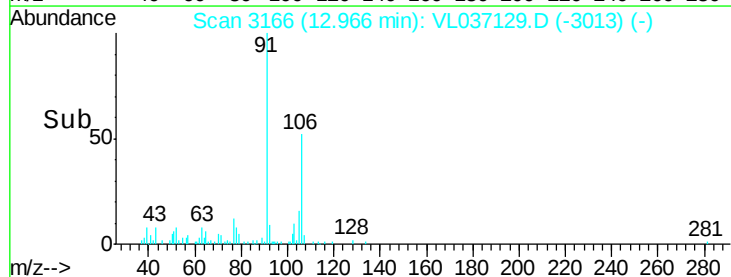
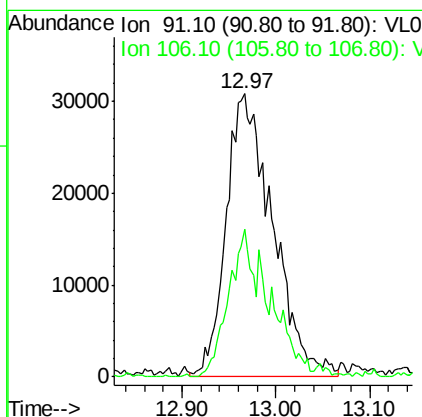
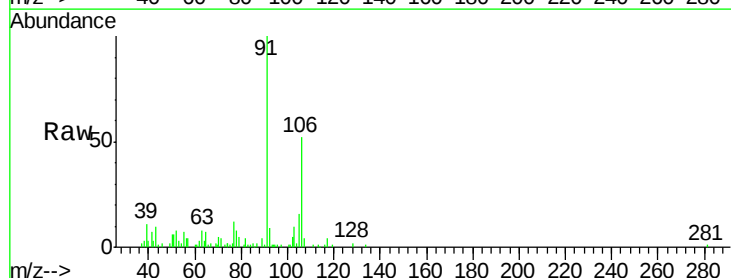
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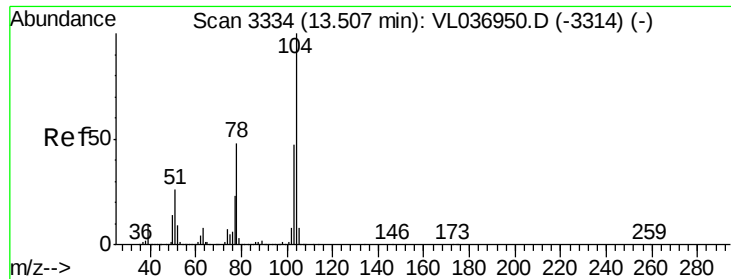
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#59
m/p-Xylene
Concen: 0.242 ppbv m
RT: 12.97 min Scan# 3166
Delta R.T. -0.01 min
Lab File: VL037129.D
Acq: 8 Jun 2021 13:00

Tgt Ion: 91 Resp: 106271
Ion Ratio Lower Upper
91 100
106 0.0 37.4 56.2#





#61

Stvrene

Concen: 0.137 ppbv m

RT: 13.53 min Scan# 3340

Delta R.T. 0.02 min

Lab File: VL037129.D

Acq: 8 Jun 2021 13:00

Instrument :

MSVOA_L

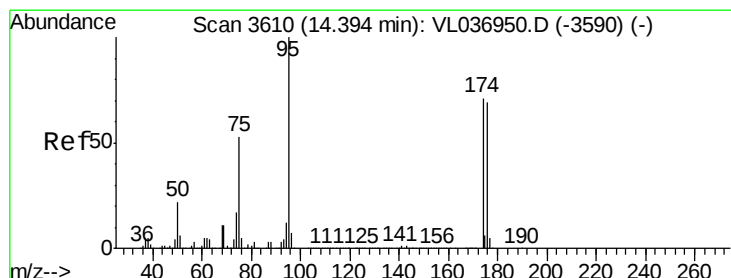
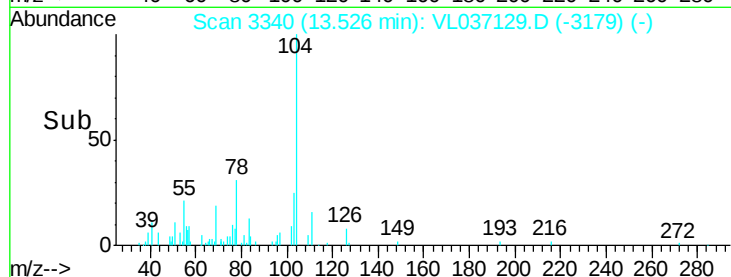
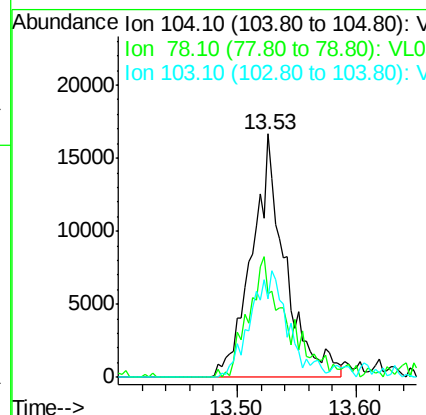
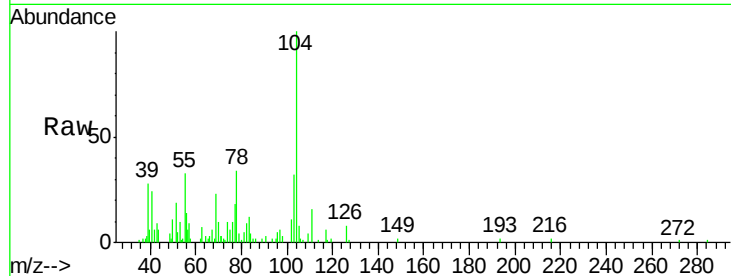
ClientSampleId :

SR-1C

Tot Ion:	104	Resp:	32251
Ion Ratio	Lower	Upper	
104	100		
78	0.0	39.0	58.6#
103	0.0	38.0	57.0#

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.141 ppbv

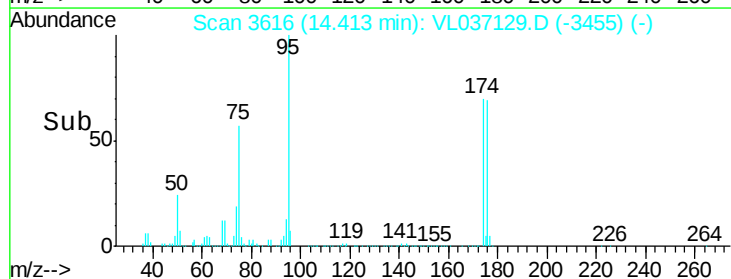
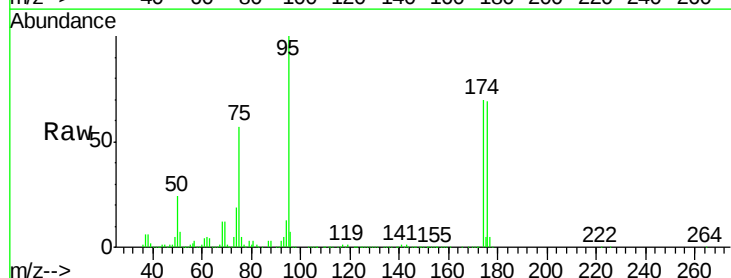
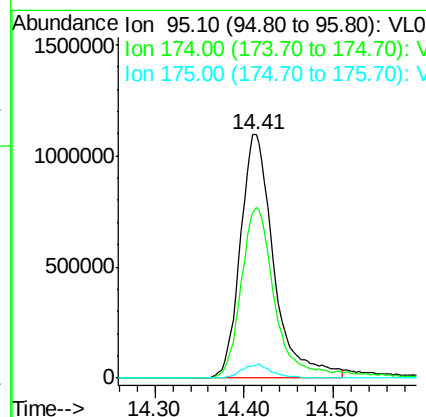
RT: 14.41 min Scan# 3616

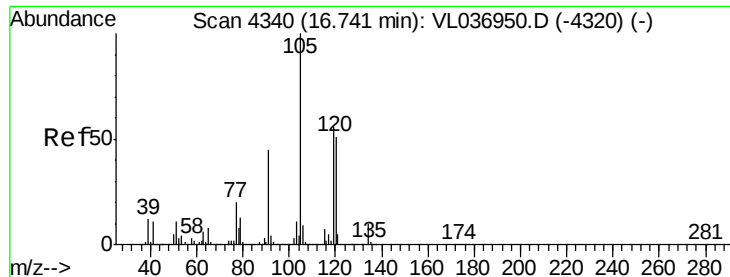
Delta R.T. 0.02 min

Lab File: VL037129.D

Acq: 8 Jun 2021 13:00

Tgt Ion:	95	Resp:	2862618
Ion Ratio	Lower	Upper	
95	100		
174	73.3	58.4	87.6
175	5.2	4.4	6.6





#74

1,2,4-Trimethylbenzene

Concen: 0.159 ppbv m

RT: 16.76 min Scan# 4346

Delta R.T. 0.02 min

Lab File: VL037129.D

Acq: 8 Jun 2021 13:00

Instrument :

MSVOA_L

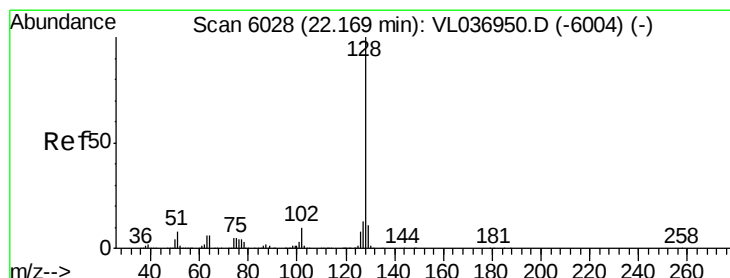
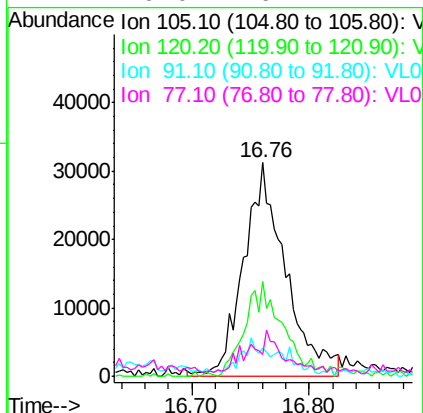
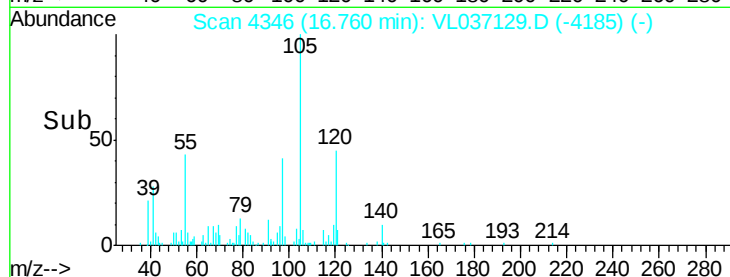
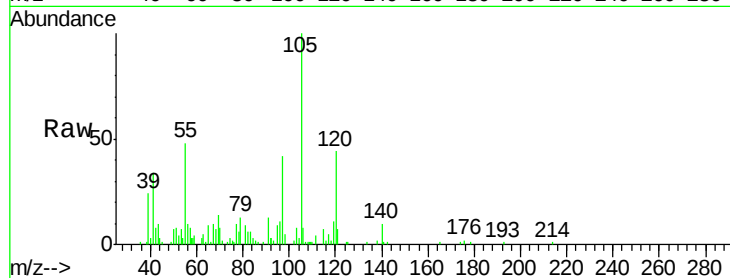
ClientSampleId :

SR-1C

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.1	40.6	61.0
91	13.5	37.4	56.0#
77	10.0	16.2	24.4#

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#79

Naphthalene

Concen: 0.175 ppbv m

RT: 22.21 min Scan# 6040

Delta R.T. 0.04 min

Lab File: VL037129.D

Acq: 8 Jun 2021 13:00

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.4	15.6
129	7.3	9.0	13.6#

