

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036953.D
 Acq On : 18 May 2021 3:53
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 5/20/2021 5:54:18 PM

Quant Time: May 18 11:56:52 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 07:06:50 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1368900	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3888919	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3671788	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2741105	9.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	141992	0.608	ppbv	94
3) Chlorodifluoromethane	2.97	51	133764	0.497	ppbv	98
4) Chloromethane	3.13	50	42590	0.485	ppbv	100
5) Vinyl Chloride	3.24	62	42542	0.444	ppbv	100
6) Bromomethane	3.46	94	27231m	0.563	ppbv	
7) Chloroethane	3.54	64	13858	0.449	ppbv	92
8) Dichlorotetrafluoroethane	3.17	85	113359	0.515	ppbv	94
9) Propene	3.00	41	48878	0.637	ppbv	92
10) Heptane	8.10	43	118203	0.647	ppbv	98
11) Trichlorofluoromethane	3.93	101	110327	0.525	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	80522	0.567	ppbv	100
13) Ethanol	3.62	45	8179m	0.562	ppbv	
14) Bromoethene	3.72	108	33270	0.584	ppbv #	89
15) Acetone	3.86	43	84009m	0.653	ppbv	
16) 1,3-Butadiene	3.31	39	46299	0.557	ppbv	100
17) tert-Butyl alcohol	4.32	59	74801m	0.630	ppbv	
18) 1,1-Dichloroethene	4.27	96	35002	0.600	ppbv	96
19) Isopropyl Alcohol	3.99	45	49680m	0.678	ppbv	
20) Methylene Chloride	4.33	84	44970m	0.428	ppbv	
21) Allyl Chloride	4.39	41	55986	0.592	ppbv	95
22) trans-1,2-Dichloroethene	4.87	96	35098m	0.586	ppbv	
23) Vinyl Acetate	5.07	43	112339m	0.614	ppbv	
24) 1,1-Dichloroethane	4.99	63	77766	0.560	ppbv	97
25) Ethyl Acetate	5.67	43	177244	0.558	ppbv	96
26) Hexane	5.67	57	94296m	0.578	ppbv	
27) Carbon Disulfide	4.53	76	84830	0.587	ppbv	94
28) Methyl tert-Butyl Ether	5.03	73	108372	0.688	ppbv	98
29) Chloroform	5.73	83	133020	0.544	ppbv	97
30) Cyclohexane	7.11	84	78136	0.626	ppbv	88
31) cis-1,2-Dichloroethene	5.53	61	76829	0.601	ppbv	91
32) 1,1,1-Trichloroethane	6.49	97	129720	0.497	ppbv	97
34) 2-Butanone	5.24	43	67011	0.451	ppbv #	76
35) Carbon Tetrachloride	7.00	117	130089	0.428	ppbv	98
36) Benzene	6.87	78	179434	0.574	ppbv	98
37) 1,2-Dichloroethane	6.28	62	86614m	0.467	ppbv	
38) Trichloroethene	7.81	130	70441	0.550	ppbv	93
39) 1,2-Dichloropropane	7.59	63	68334	0.534	ppbv #	84
40) 1,4-Dioxane	7.87	88	19864m	0.595	ppbv	
41) Tetrahydrofuran	6.06	42	45129m	0.743	ppbv	
42) Bromodichloromethane	7.76	83	127280	0.466	ppbv	92
43) Methyl Methacrylate	8.00	69	57869m	0.637	ppbv	

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Manual Integrations
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Quant Time: May 18 11:56:52 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
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	322743	0.581	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	39446m	0.480	ppbv	
46) cis-1,3-Dichloropropene	8.68	75	53552	0.466	ppbv	94
47) 1,1,2-Trichloroethane	9.45	97	72582	0.517	ppbv	95
48) Dibromochloromethane	10.28	129	106248	0.503	ppbv	95
49) Bromoform	13.01	173	79478	0.457	ppbv	97
50) 4-Methyl-2-Pentanone	8.75	43	125122m	0.615	ppbv	
51) 2-Hexanone	10.15	43	62352m	0.719	ppbv	
52) Tetrachloroethene	11.19	164	74376m	0.648	ppbv	
53) Toluene	9.78	91	219205	0.703	ppbv	99
54) 1,2-Dibromoethane	10.59	107	97463	0.532	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	82957	0.491	ppbv #	1
57) Chlorobenzene	12.12	112	150785	0.487	ppbv #	93
58) Ethyl Benzene	12.68	91	290739m	0.666	ppbv	
59) m/p-Xylene	12.97	91	473780m	1.155	ppbv	
60) o-Xylene	13.67	91	226177	0.570	ppbv	96
61) Styrene	13.50	104	116095m	0.713	ppbv	
62) Isopropylbenzene	14.64	105	330775m	0.611	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.65	83	149521m	0.399	ppbv	
64) n-propylbenzene	15.54	120	78983m	0.590	ppbv	
65) tert-Butylbenzene	16.72	119	299216	0.624	ppbv	97
66) Benzyl Chloride	16.98	91	13197m	0.302	ppbv	
67) sec-Butylbenzene	17.27	105	398658	0.588	ppbv	100
69) p-Isopropyltoluene	17.63	119	335700	0.651	ppbv	99
70) n-Butylbenzene	18.54	91	313204m	0.606	ppbv	
71) 2-Chlorotoluene	15.43	91	234600	0.606	ppbv	99
72) 4-Ethyltoluene	15.82	105	253832	0.618	ppbv	95
73) 1,3,5-Trimethylbenzene	15.97	105	260031m	0.647	ppbv	
74) 1,2,4-Trimethylbenzene	16.74	105	248533	0.564	ppbv	90
75) 1,3-Dichlorobenzene	16.97	146	157700m	0.552	ppbv	
76) 1,4-Dichlorobenzene	17.11	146	158474m	0.620	ppbv	
77) 1,2-Dichlorobenzene	17.80	146	159560m	0.616	ppbv	
78) Hexachloro-1,3-Butadiene	23.35	225	140611m	0.608	ppbv	
79) Naphthalene	22.18	128	149868	0.752	ppbv	97
80) Naphthalene, 2-methyl-	25.01	142	40220m	1.378	ppbv	
81) 1,2,4-Trichlorobenzene	21.90	180	107793m	0.756	ppbv	

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

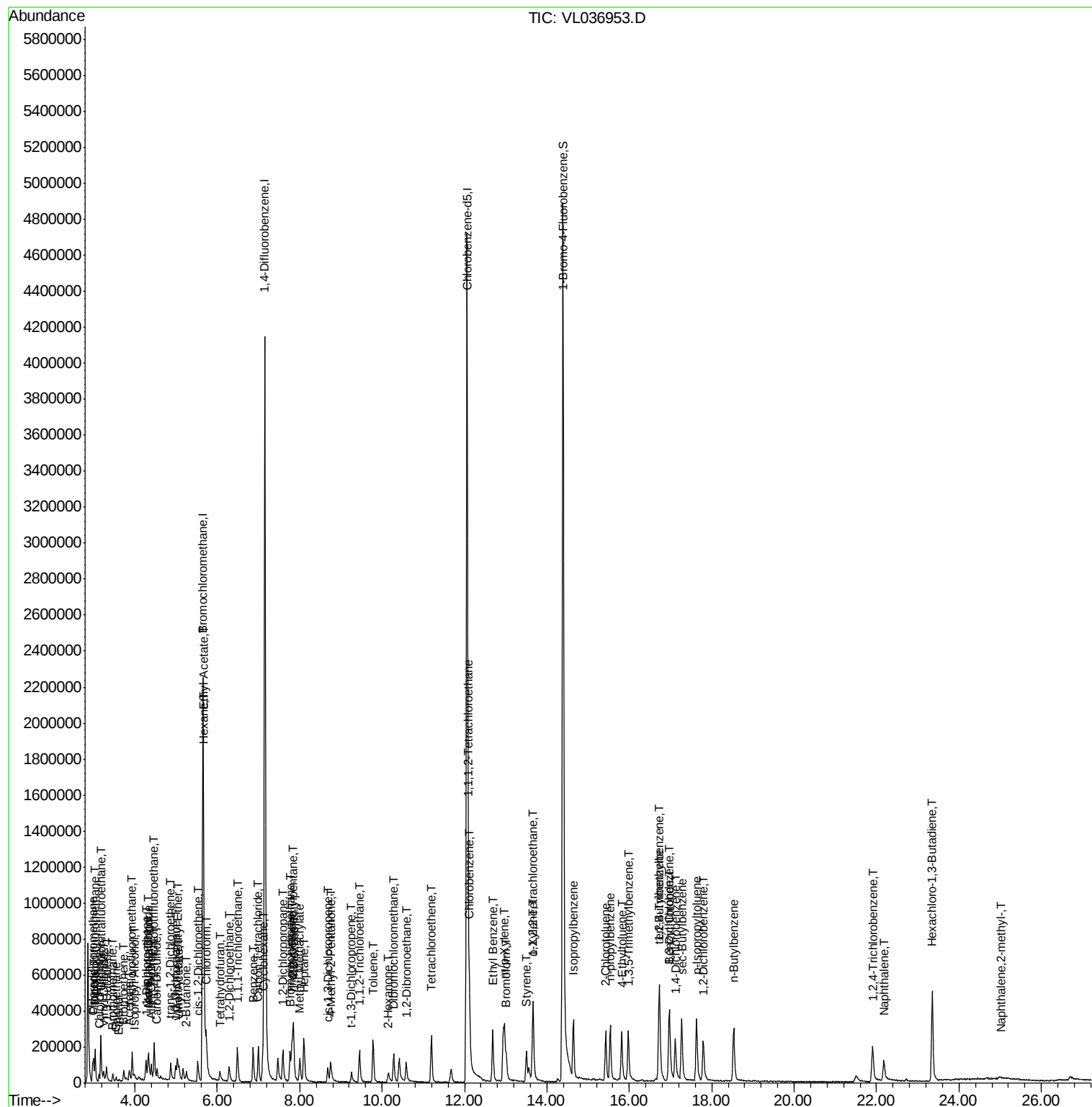
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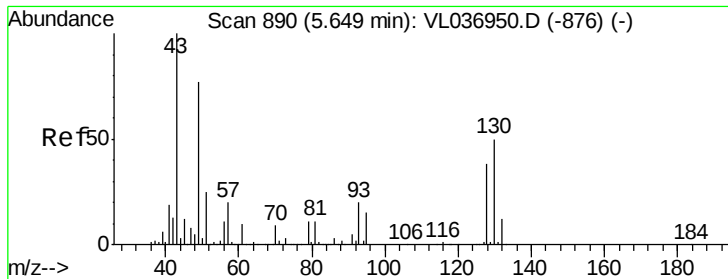
Instrument :
MSVOA_L
ClientSampled :
VSTDIC0.5

Manual Integrations
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Quant Time: May 18 11:56:52 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 07:06:50 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: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 49 Resp: 1368900

Ion Ratio Lower Upper

49 100

128 53.3 26.9 80.7

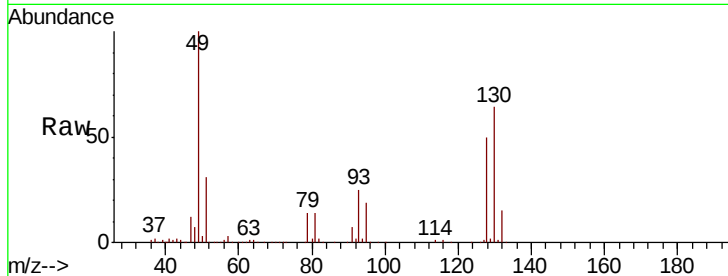
130 68.5 33.8 101.4

Manual Integrations

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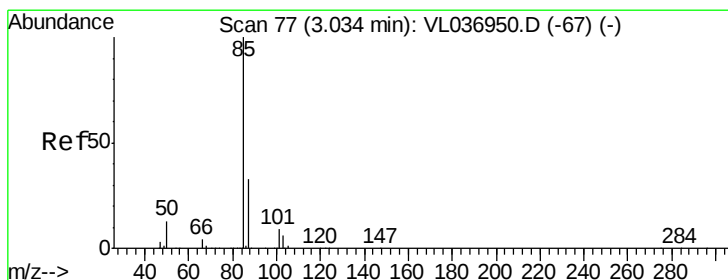
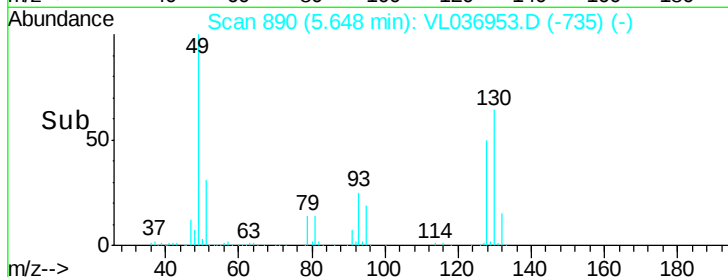
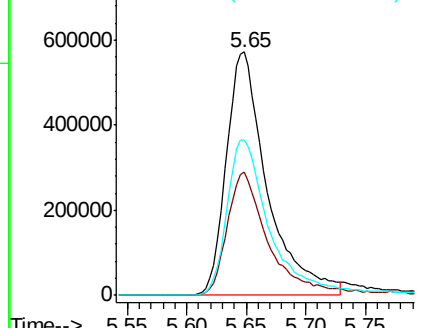
5/20/2021 5:54:18 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.608 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.00 min

Lab File: VL036953.D

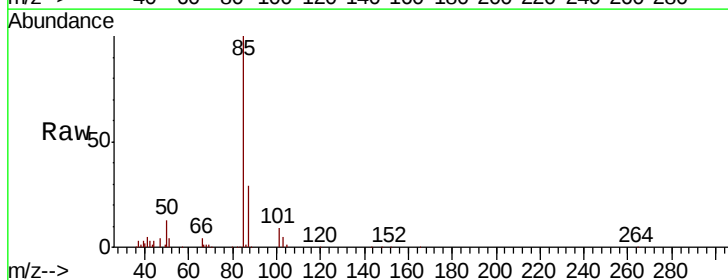
Acq: 18 May 2021 3:53

Tgt Ion: 85 Resp: 141992

Ion Ratio Lower Upper

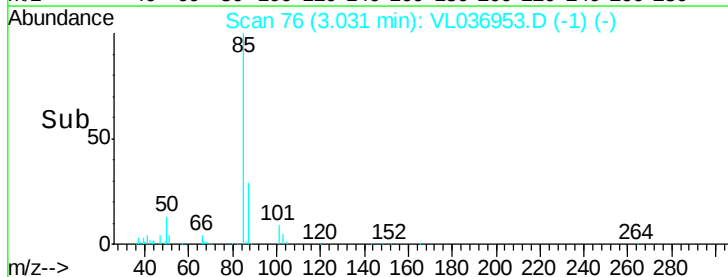
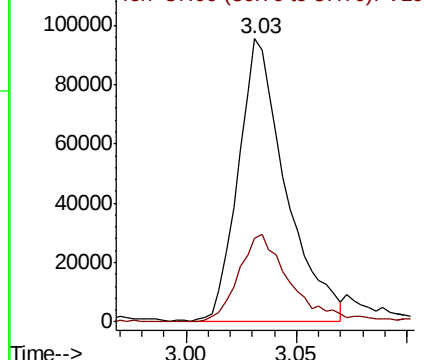
85 100

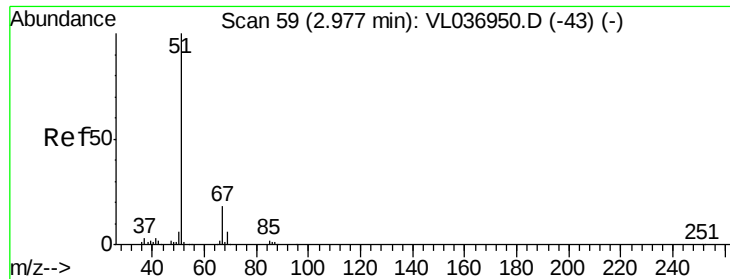
87 29.6 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.497 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 51 Resp: 133764

Ion Ratio Lower Upper

51 100

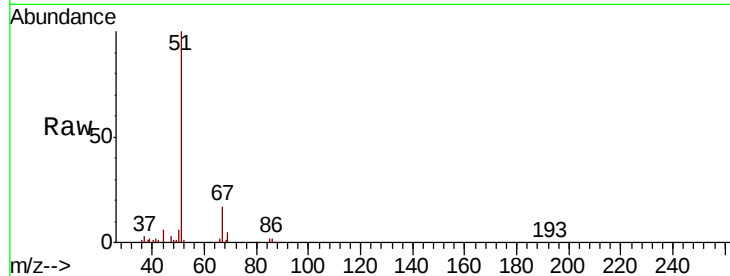
67 18.9 14.6 21.8

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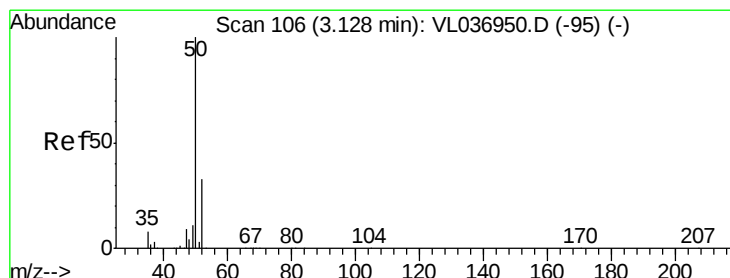
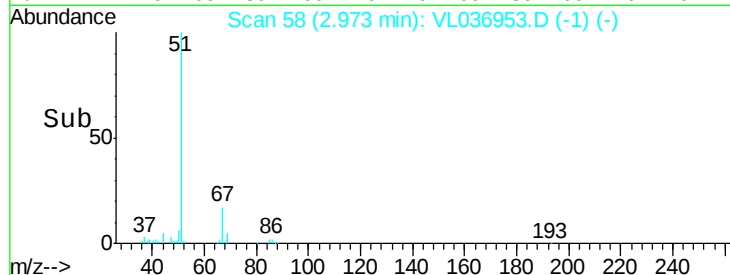
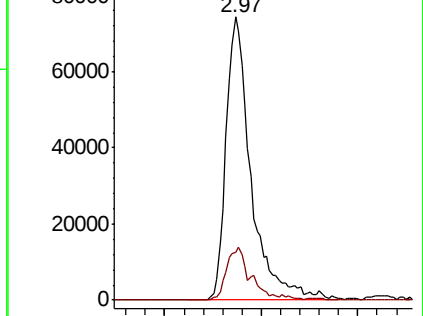
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.485 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL036953.D

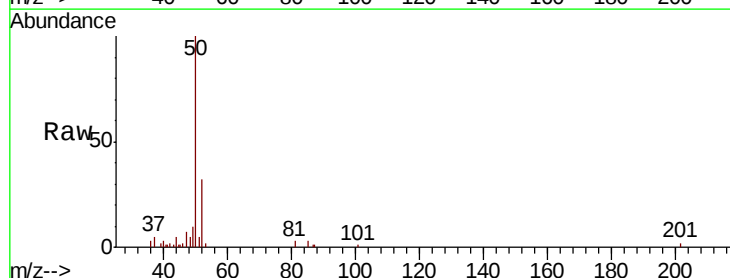
Acq: 18 May 2021 3:53

Tgt Ion: 50 Resp: 42590

Ion Ratio Lower Upper

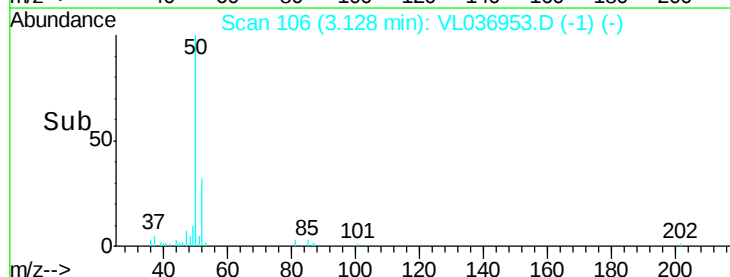
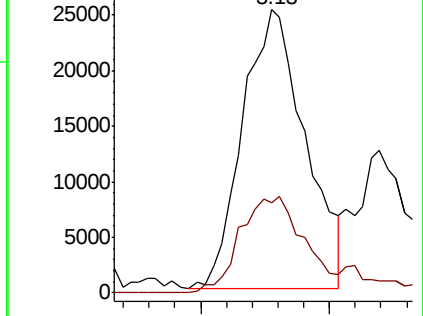
50 100

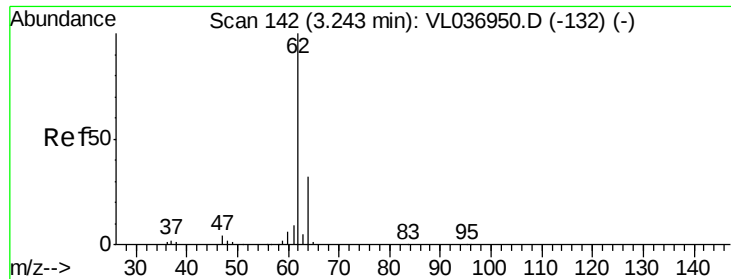
52 32.5 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.444 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampled :

VSTDIC0.5

Tot Ion: 62 Resp: 42542

Ion Ratio Lower Upper

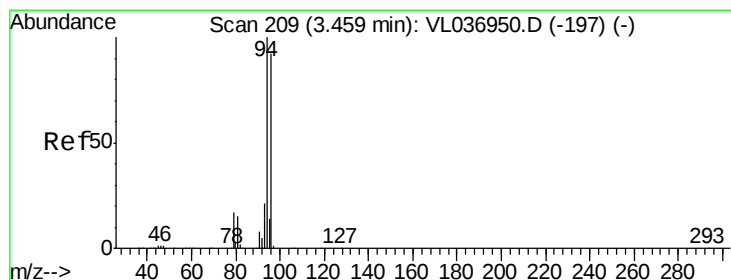
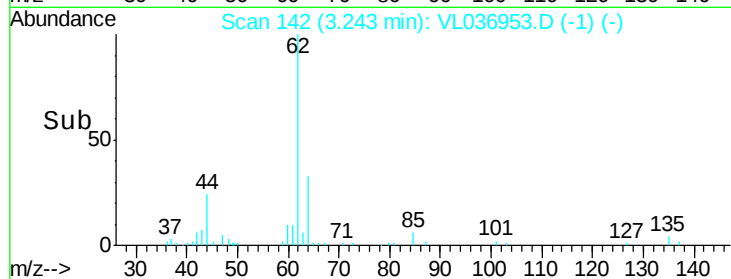
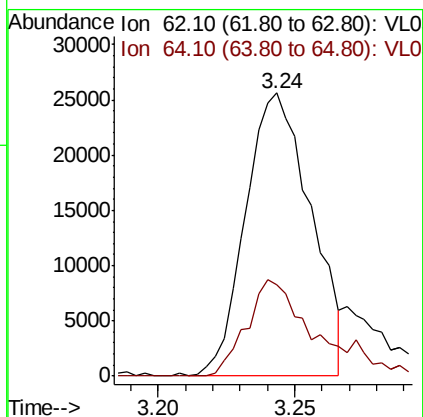
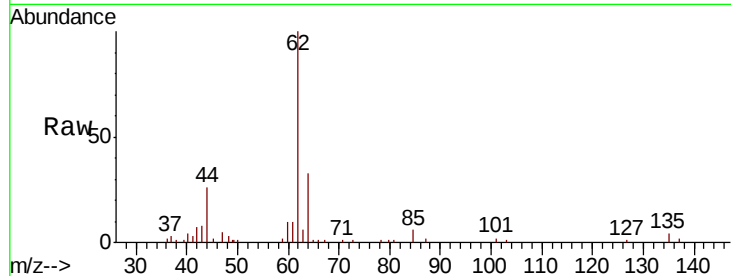
62 100

64 32.5 25.9 38.9

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5/20/2021 5:54:18 PM



#6

Bromomethane

Concen: 0.563 ppbv m

RT: 3.46 min Scan# 210

Delta R.T. 0.00 min

Lab File: VL036953.D

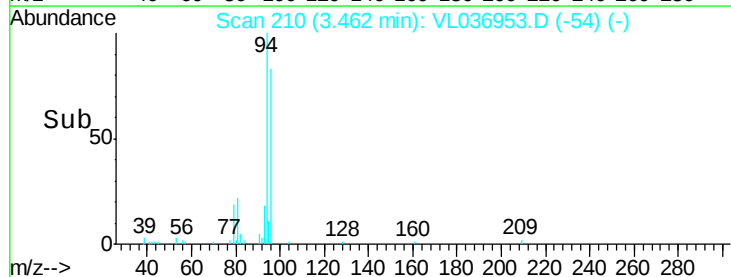
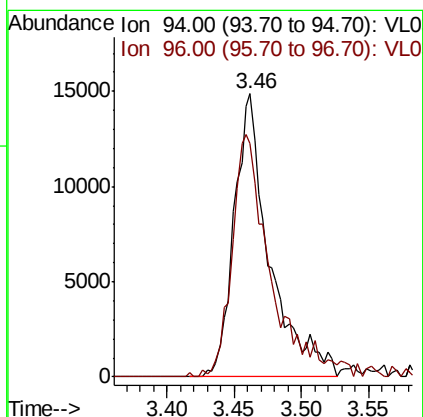
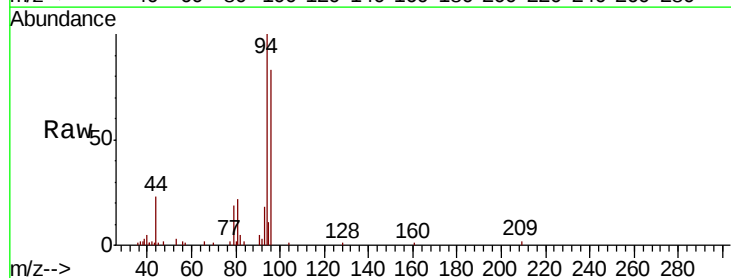
Acq: 18 May 2021 3:53

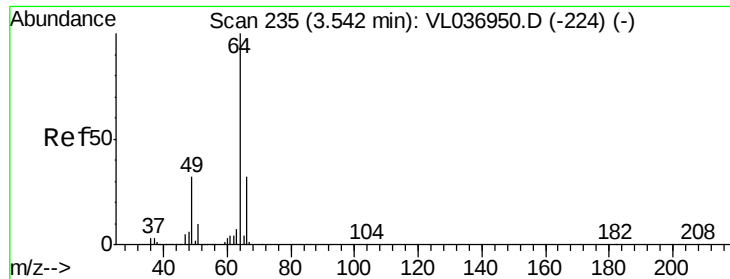
Tgt Ion: 94 Resp: 27231

Ion Ratio Lower Upper

94 100

96 82.5 74.0 111.0





#7

Chloroethane

Concen: 0.449 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 13858

Ion Ratio Lower Upper

64 100

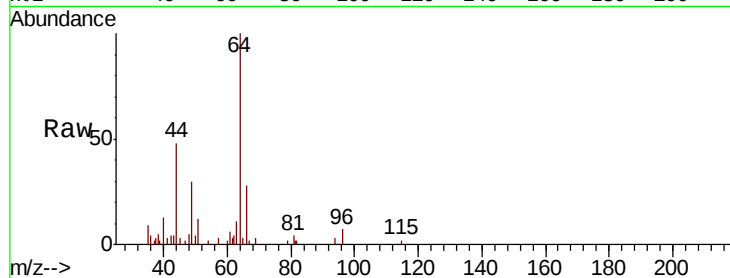
66 27.6 25.4 38.2

Manual Integrations

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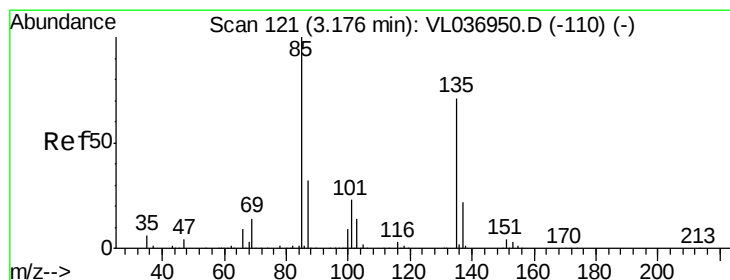
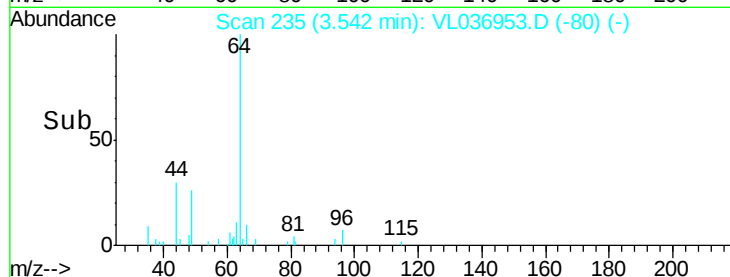
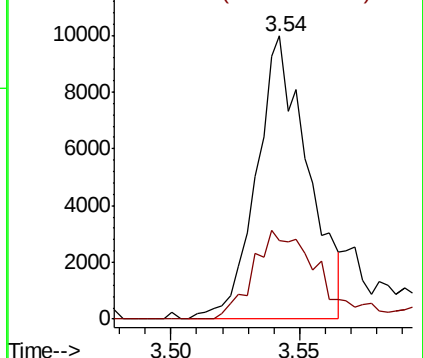
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.515 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL036953.D

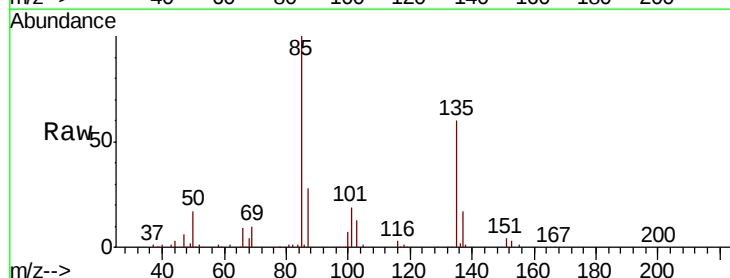
Acq: 18 May 2021 3:53

Tgt Ion: 85 Resp: 113359

Ion Ratio Lower Upper

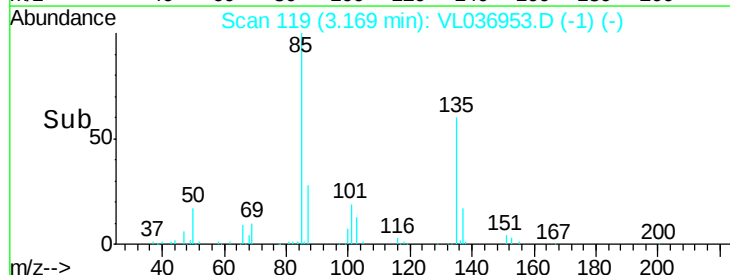
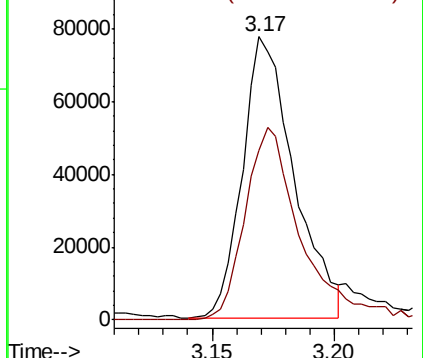
85 100

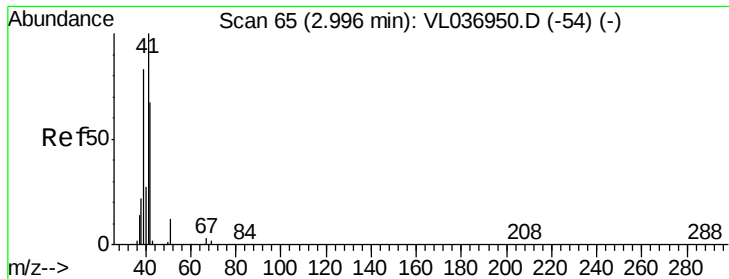
135 77.0 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.637 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 48878

Ion Ratio Lower Upper

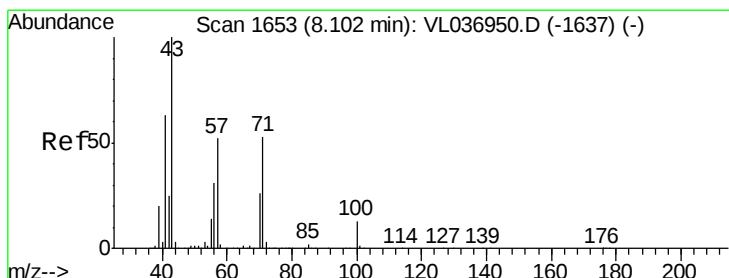
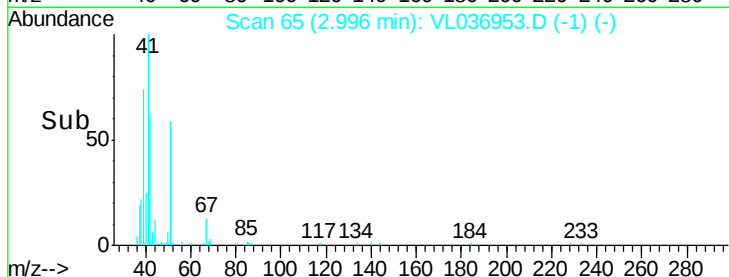
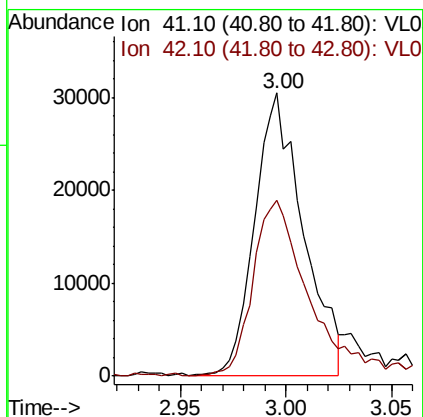
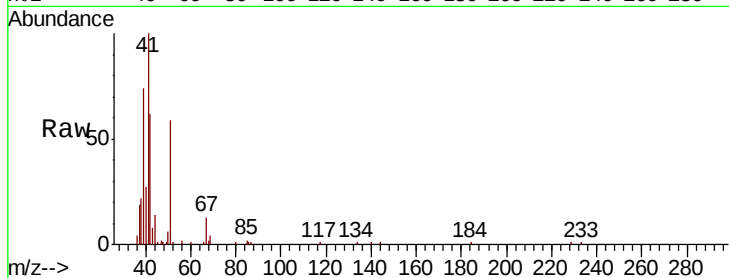
41 100

42 73.6 53.9 80.9

Manual Integrations
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5/20/2021 5:54:18 PM



#10

Heptane

Concen: 0.647 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL036953.D

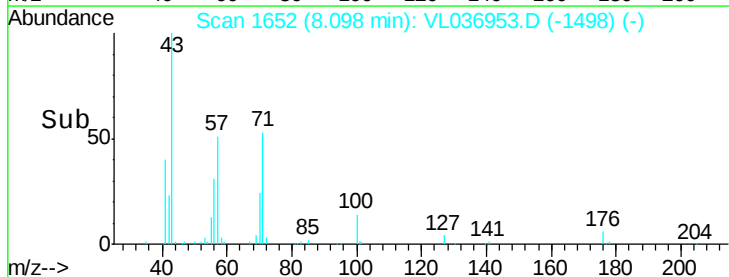
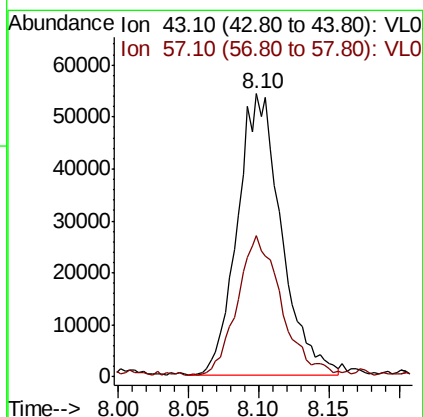
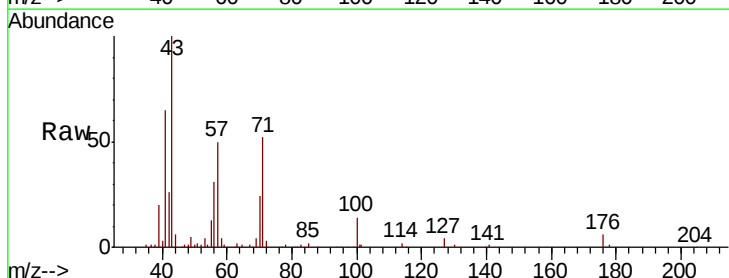
Acq: 18 May 2021 3:53

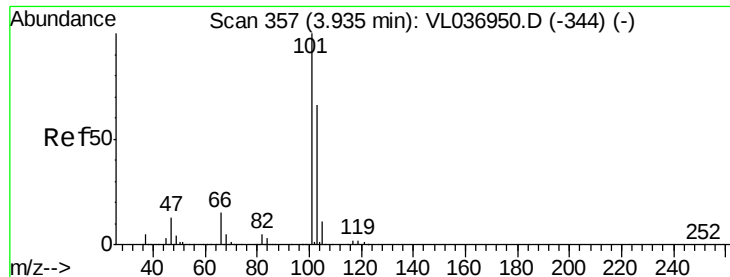
Tgt Ion: 43 Resp: 118203

Ion Ratio Lower Upper

43 100

57 52.7 41.0 61.6





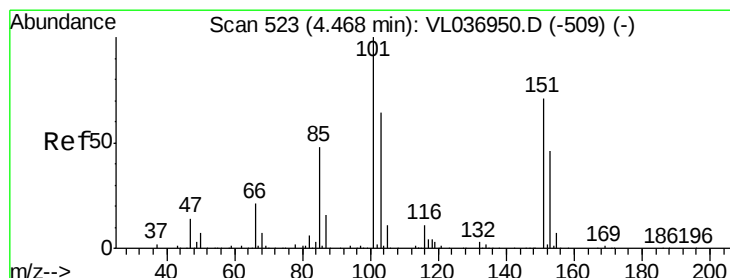
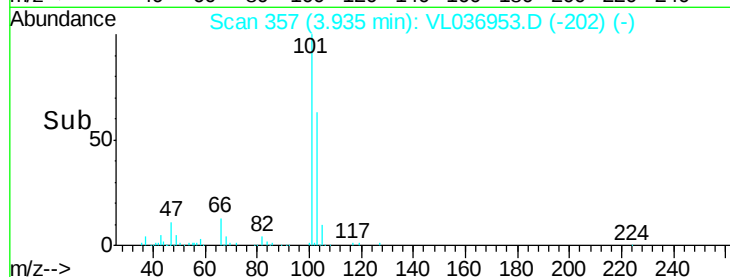
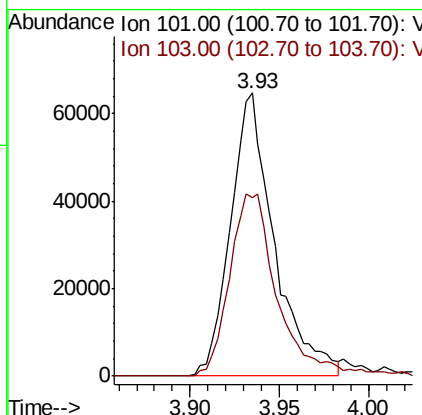
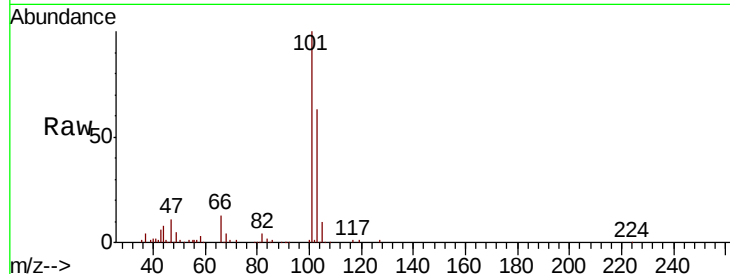
#11
 Trichlorofluoromethane
 Concen: 0.525 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	52.6	79.0

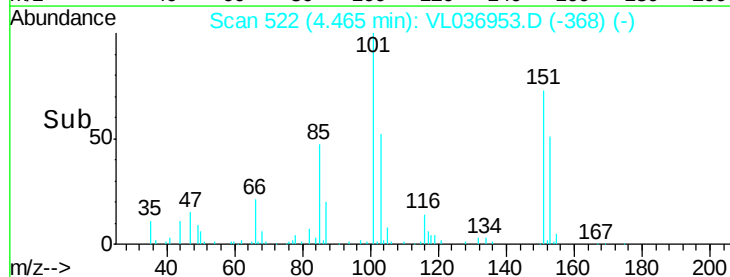
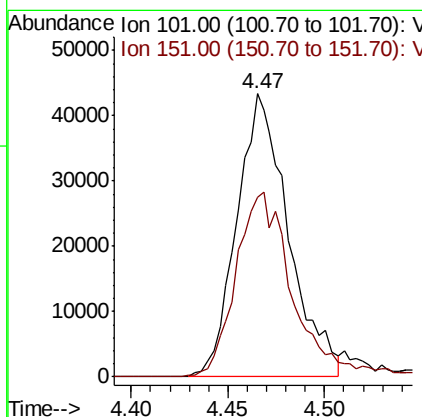
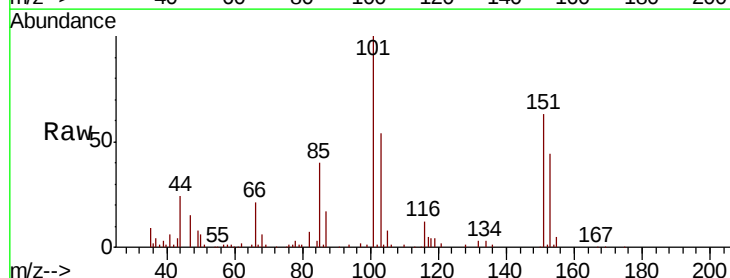
Manual Integrations
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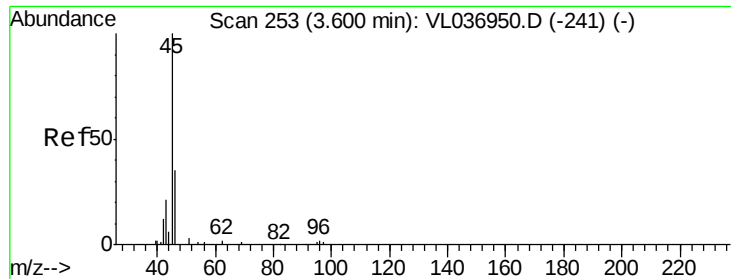
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.567 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. -0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Tgt Ion	Ratio	Lower	Upper
101	100		
151	72.5	57.7	86.5





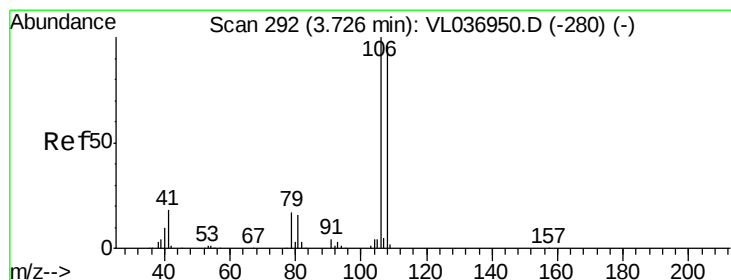
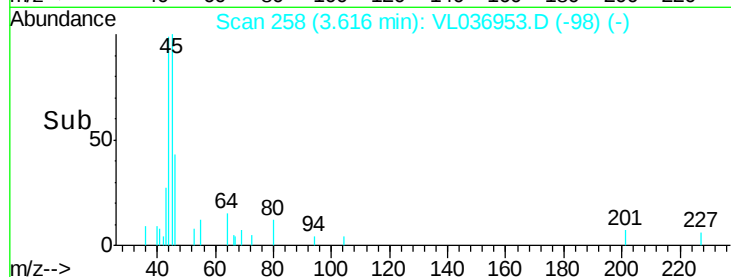
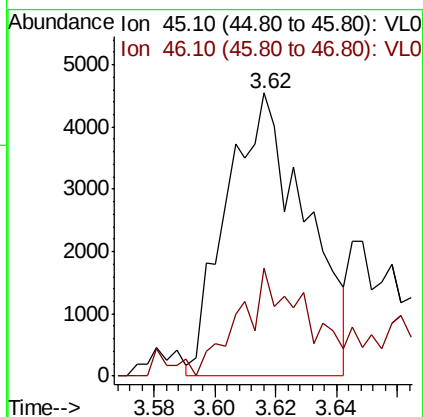
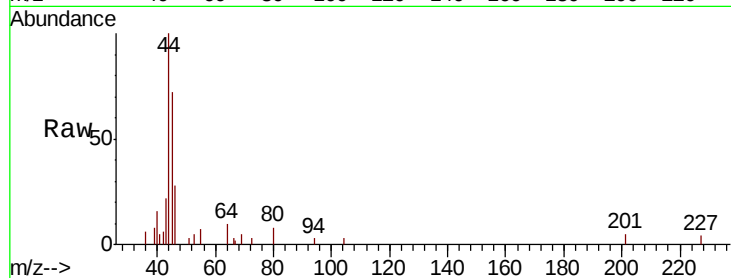
#13
Ethanol
Concen: 0.562 ppbv m
RT: 3.62 min Scan# 258
Delta R.T. 0.02 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 45 Resp: 8179
Ion Ratio Lower Upper
45 100
46 0.0 16.3 65.3#

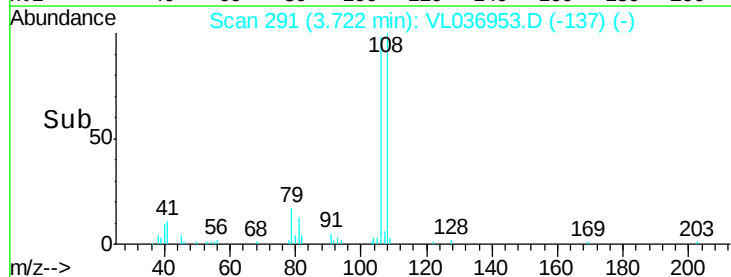
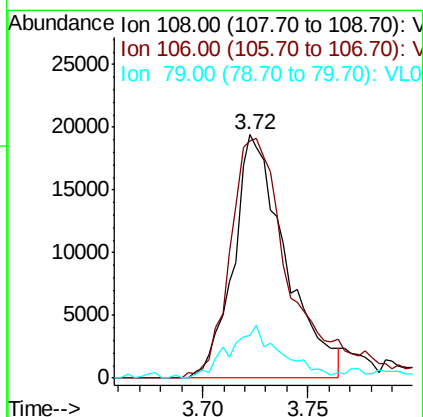
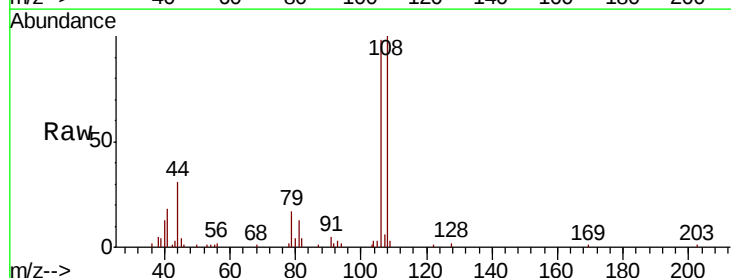
Manual Integrations
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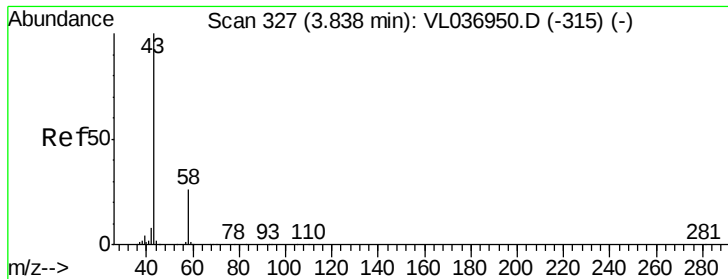
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#14
Bromoethene
Concen: 0.584 ppbv
RT: 3.72 min Scan# 291
Delta R.T. -0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Tgt Ion: 108 Resp: 33270
Ion Ratio Lower Upper
108 100
106 119.6 86.5 129.7
79 23.7 15.0 22.4#





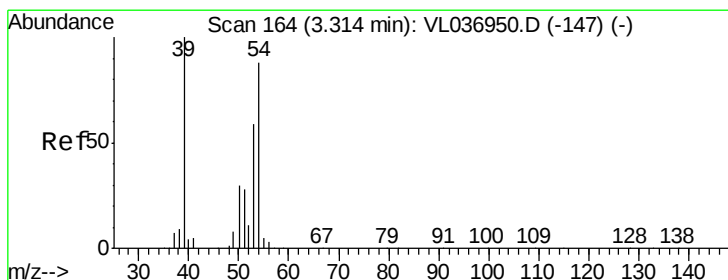
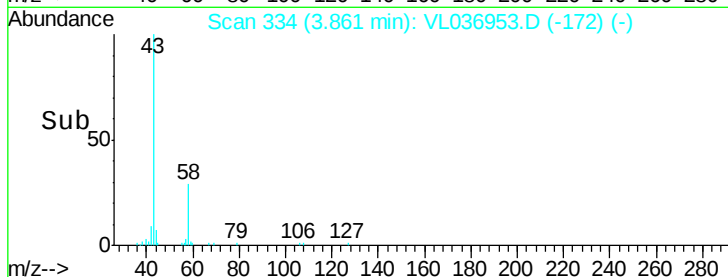
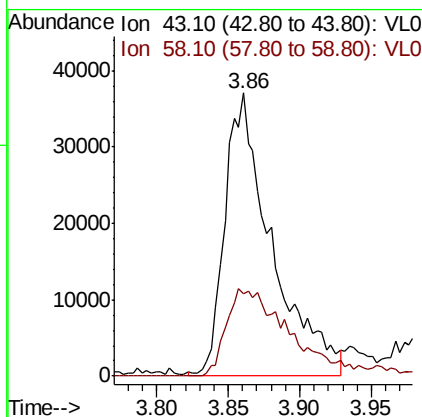
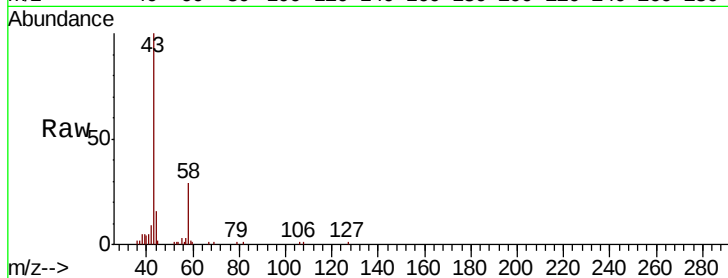
#15
Acetone
Concen: 0.653 ppbv m
RT: 3.86 min Scan# 334
Delta R.T. 0.02 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 43 Resp: 84009
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#

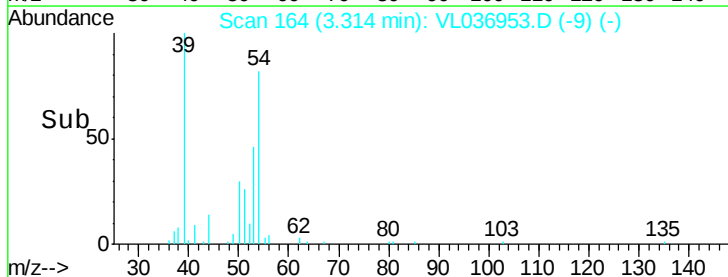
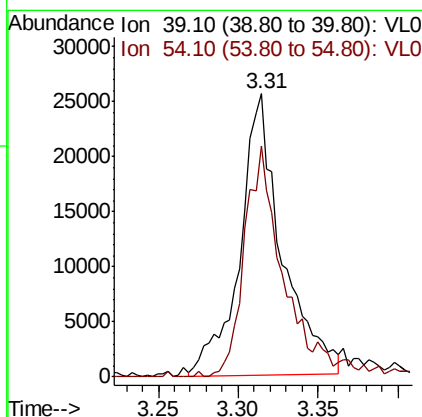
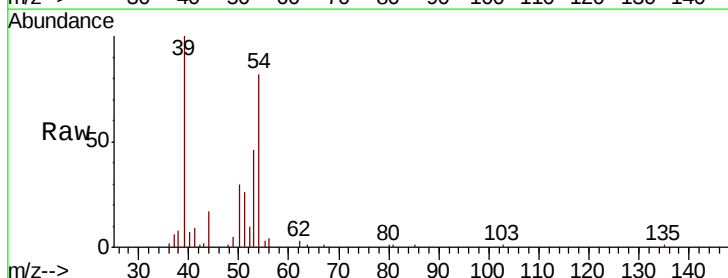
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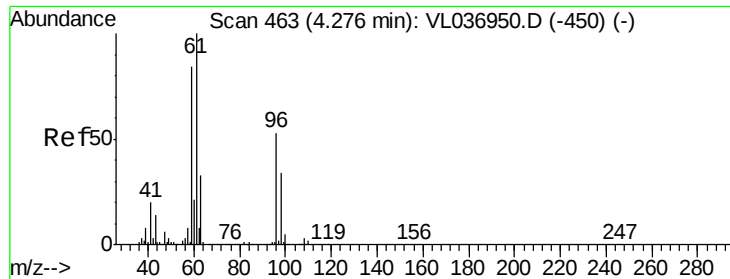
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#16
1,3-Butadiene
Concen: 0.557 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Tgt Ion: 39 Resp: 46299
Ion Ratio Lower Upper
39 100
54 79.3 63.2 94.8





#17

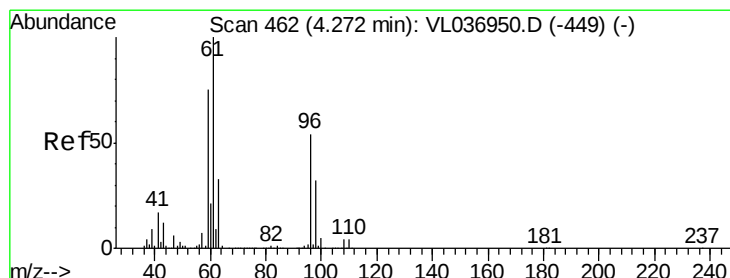
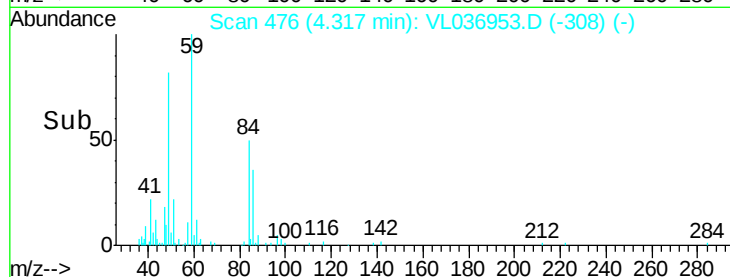
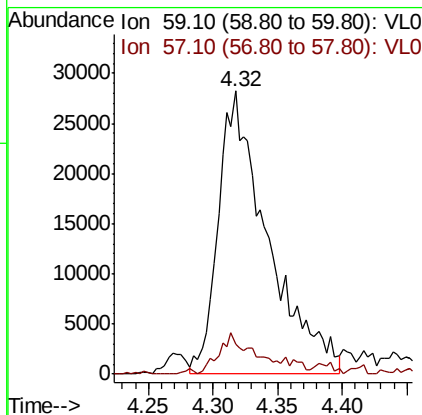
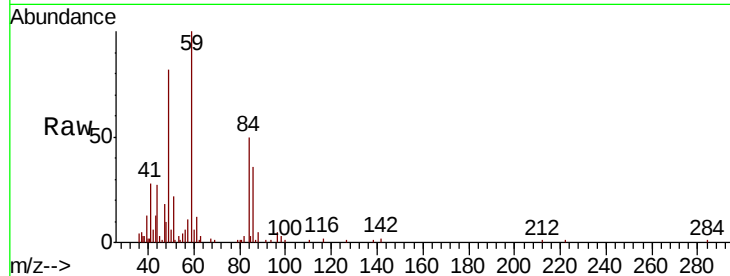
tert-Butyl alcohol
Concen: 0.630 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.04 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 59 Resp: 74801
Ion Ratio Lower Upper
59 100
57 13.9 8.3 12.5#

Manual Integrations
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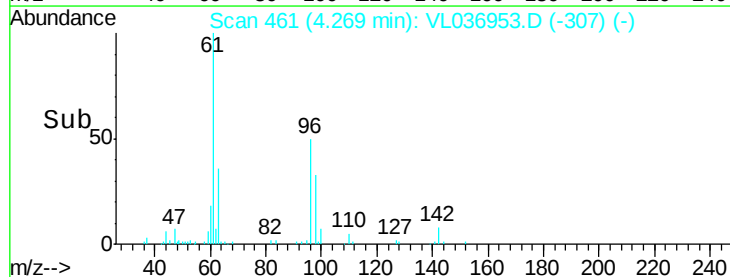
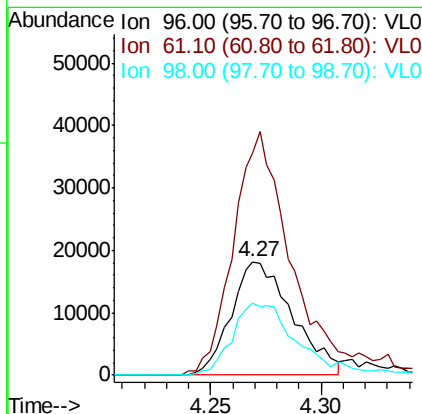
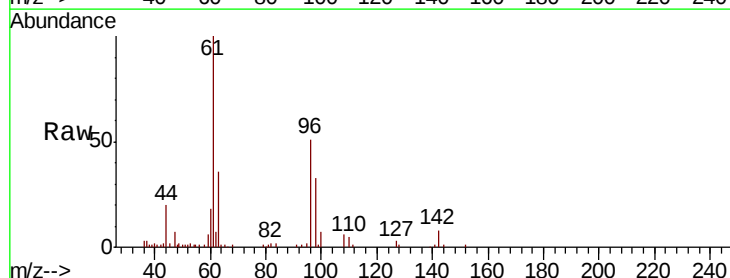
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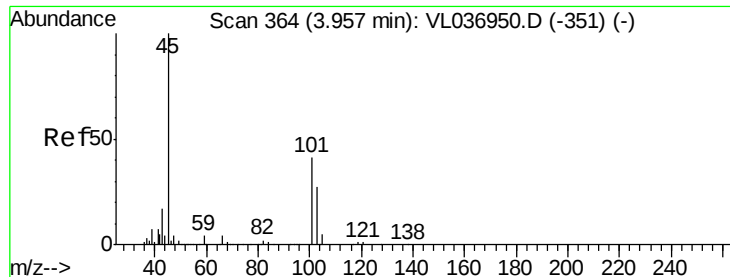


#18

1,1-Dichloroethene
Concen: 0.600 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Tgt Ion: 96 Resp: 35002
Ion Ratio Lower Upper
96 100
61 190.8 148.2 222.4
98 63.5 47.8 71.6





#19

Isopropyl Alcohol

Concen: 0.678 ppbv m

RT: 3.99 min Scan# 373

Delta R.T. 0.03 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 49680

Ion Ratio Lower Upper

45 100

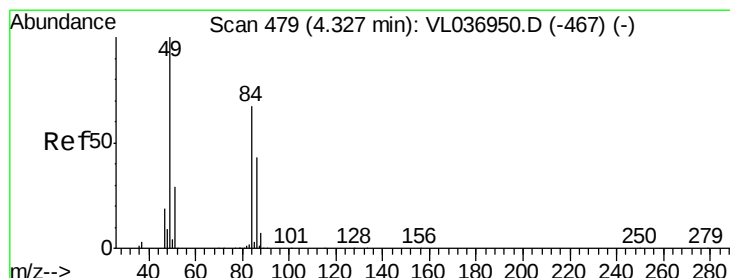
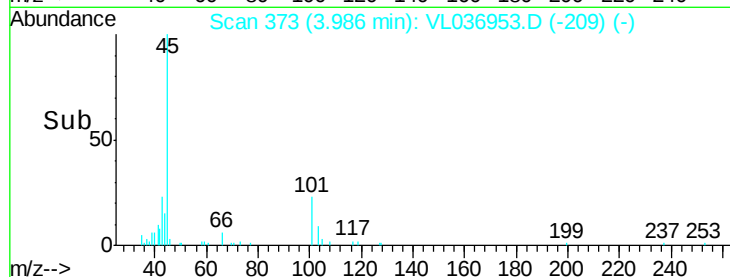
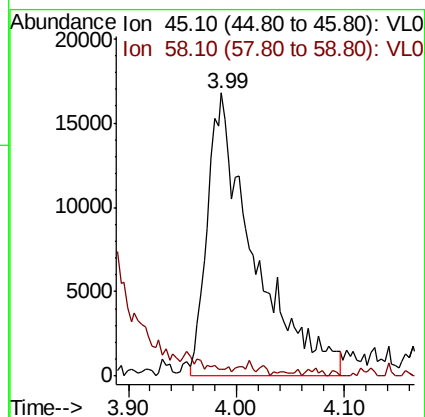
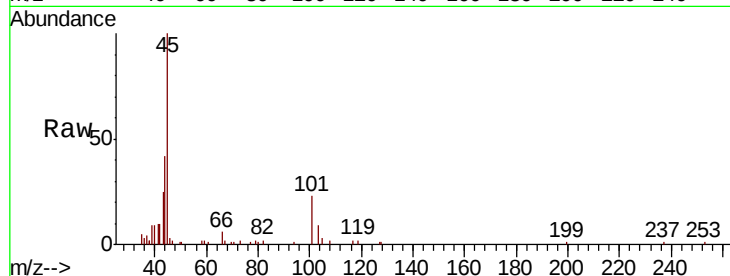
58 0.0 37.2 55.8#

Manual Integrations

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#20

Methylene Chloride

Concen: 0.428 ppbv m

RT: 4.33 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Tgt Ion: 84 Resp: 44970

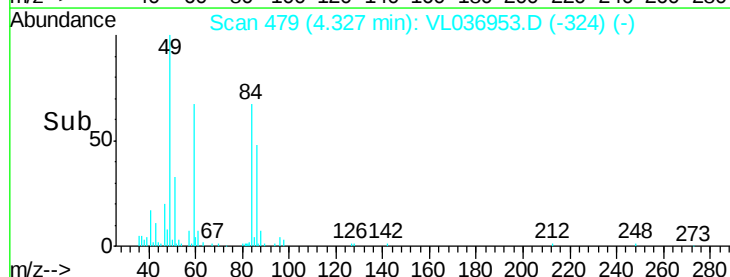
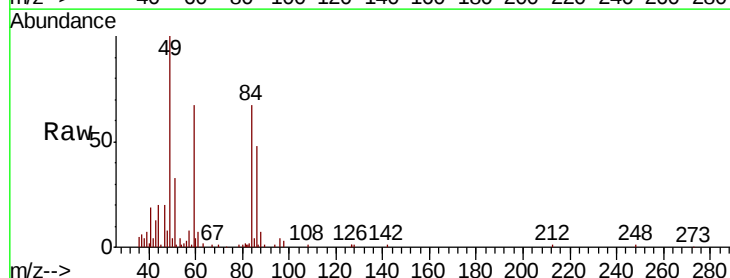
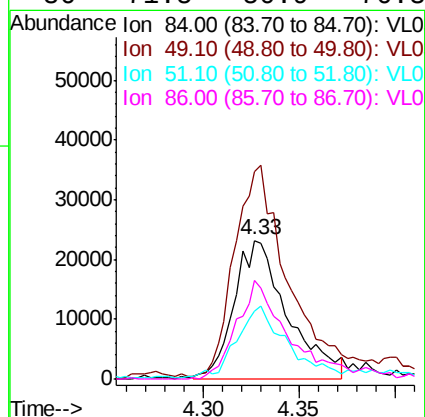
Ion Ratio Lower Upper

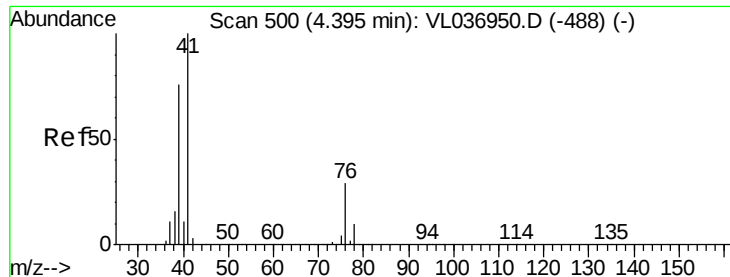
84 100

49 149.6 119.8 179.6

51 48.9 35.1 52.7

86 71.5 50.9 76.3





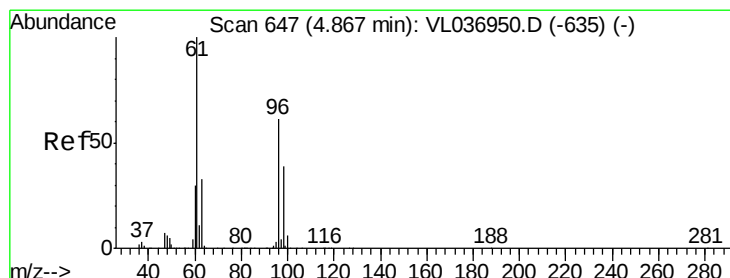
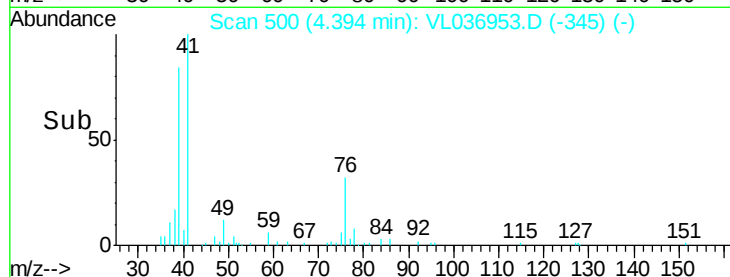
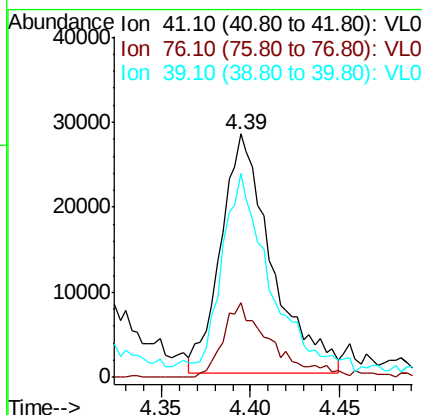
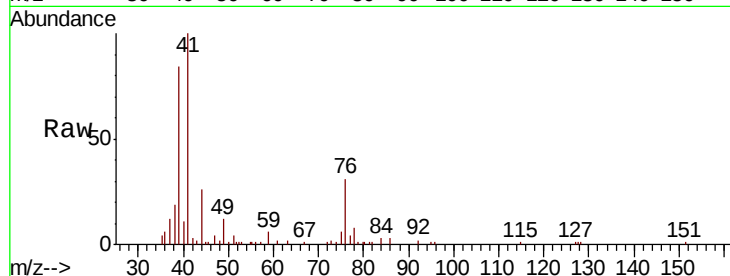
#21
Allvl Chloride
Concen: 0.592 ppbv
RT: 4.39 min Scan# 500
Delta R.T. -0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.0	24.9	37.3
39	84.2	63.7	95.5

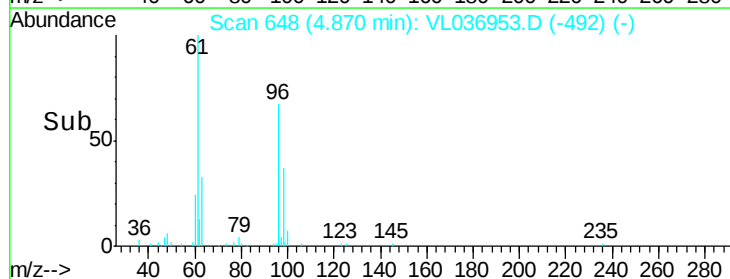
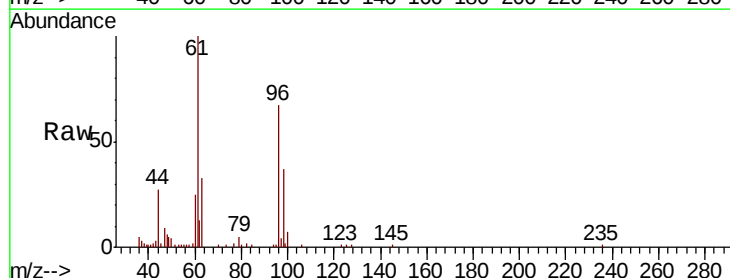
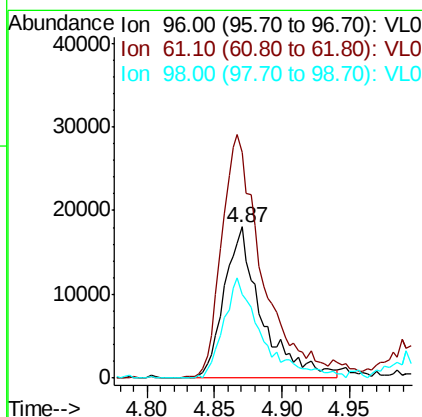
Manual Integrations
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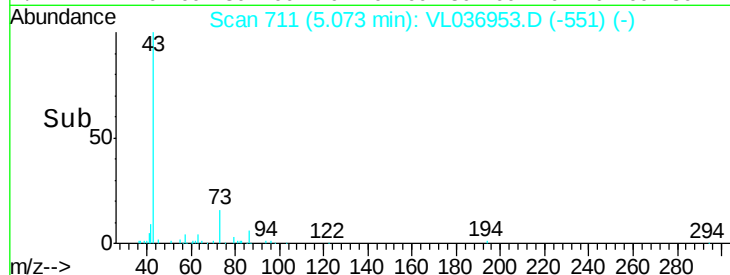
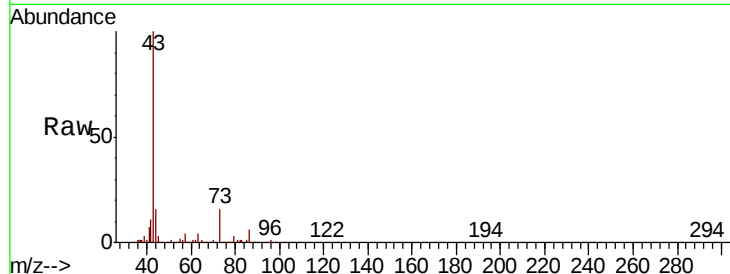
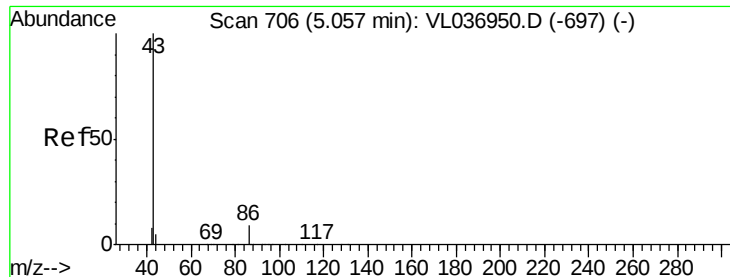
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#22
trans-1,2-Dichloroethene
Concen: 0.586 ppbv m
RT: 4.87 min Scan# 648
Delta R.T. 0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.4	130.6	196.0
98	55.4	50.8	76.2





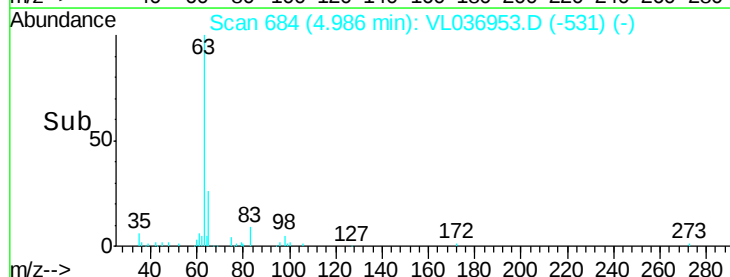
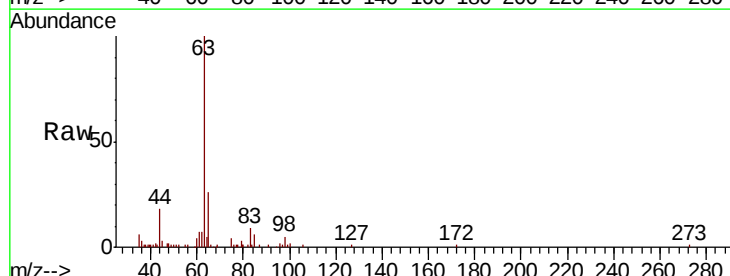
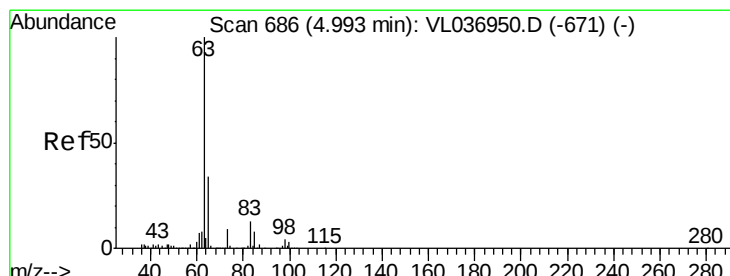
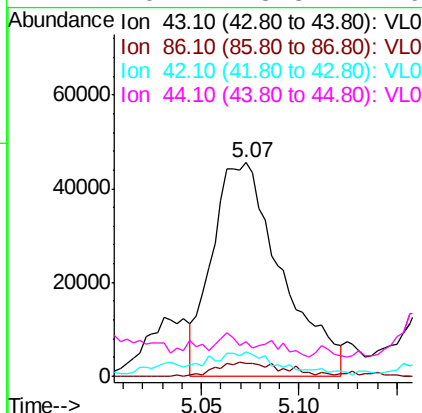
#23
 Vinyl Acetate
 Concen: 0.614 ppbv m
 RT: 5.07 min Scan# 711
 Delta R.T. 0.02 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Tot Ion	43	Resp	112339
Ion Ratio	Lower	Upper	
43	100		
86	6.2	5.8	8.8
42	11.2	7.4	11.2#
44	16.2	3.3	4.9#

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

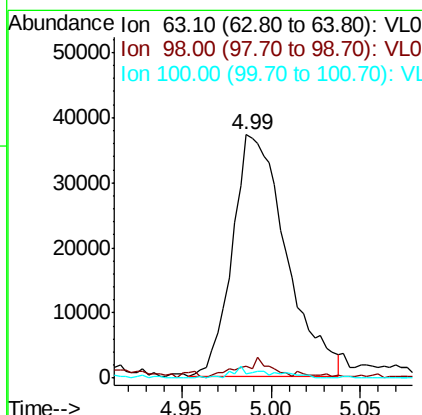
Manual Integrations
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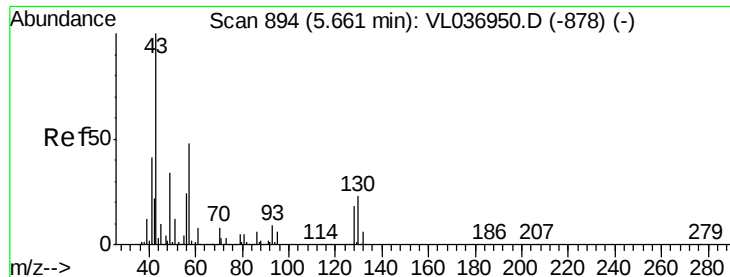
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 0.560 ppbv
 RT: 4.99 min Scan# 684
 Delta R.T. -0.01 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Tgt Ion	63	Resp	77766
Ion Ratio	Lower	Upper	
63	100		
98	3.8	2.3	6.9
100	1.7	1.4	4.0





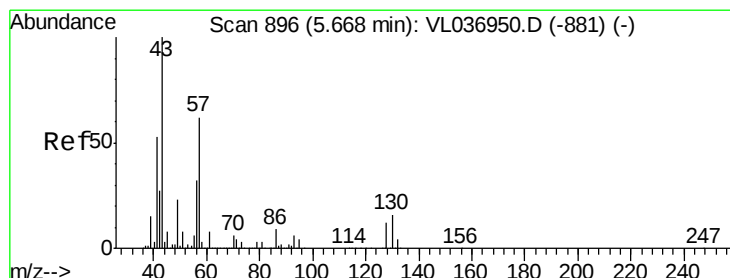
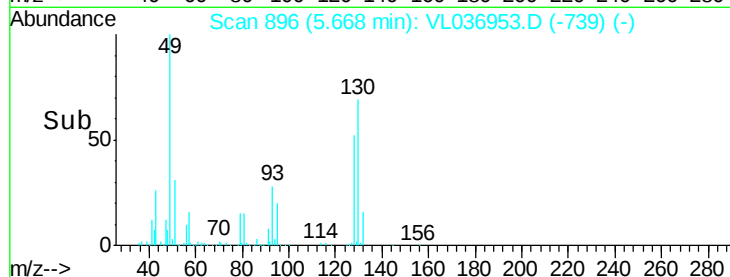
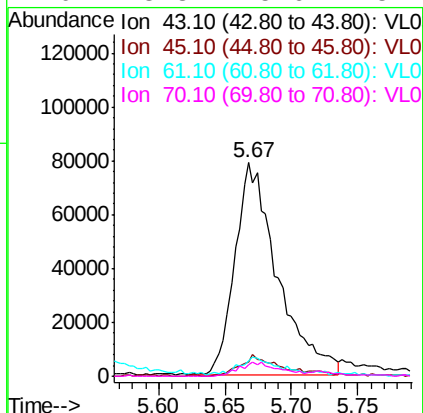
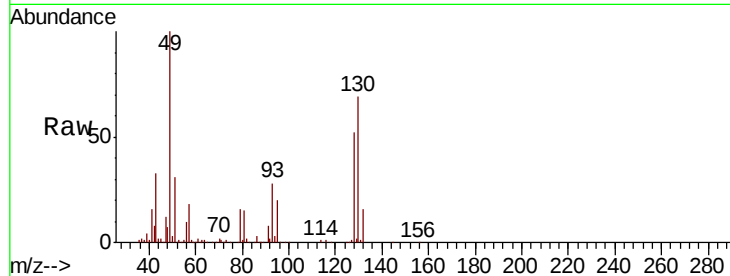
#25
Ethyl Acetate
Concen: 0.558 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	43	Resp	177244
Ion	Ratio	Lower	Upper
43	100		
45	10.9	7.8	11.8
61	8.1	7.8	11.8
70	8.3	5.6	8.4

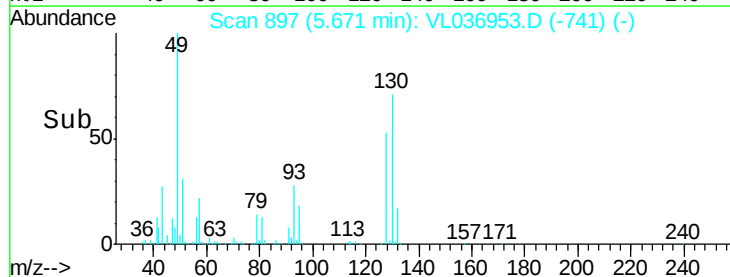
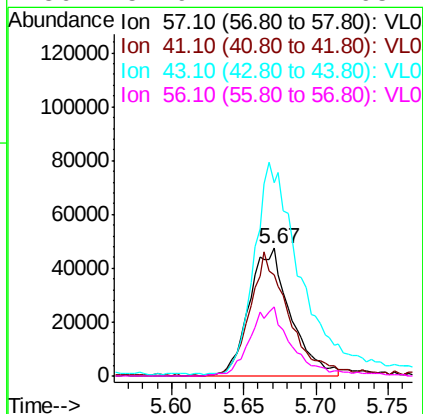
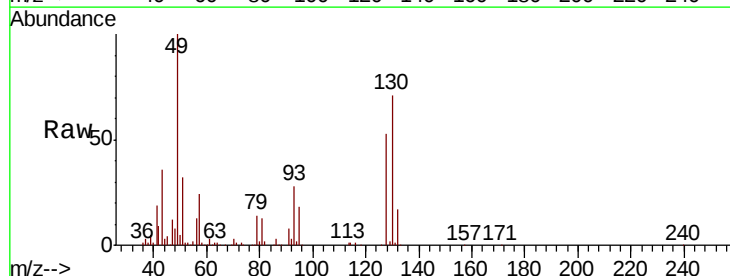
Manual Integrations
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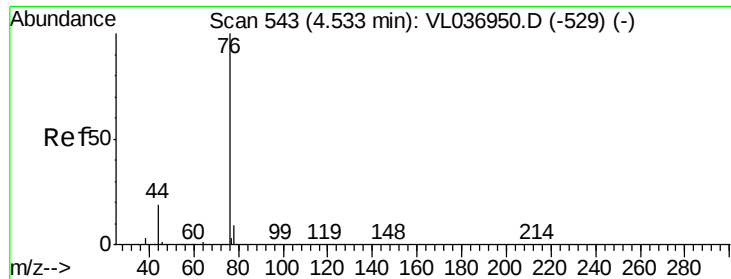
MMDadoda
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#26
Hexane
Concen: 0.578 ppbv m
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Tgt Ion	57	Resp	94296
Ion	Ratio	Lower	Upper
57	100		
41	94.1	70.5	105.7
43	196.3	165.8	248.8
56	54.9	42.2	63.4





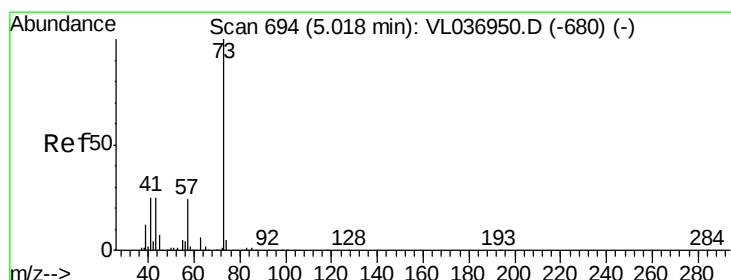
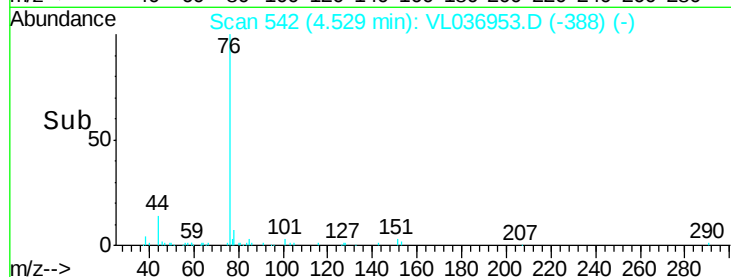
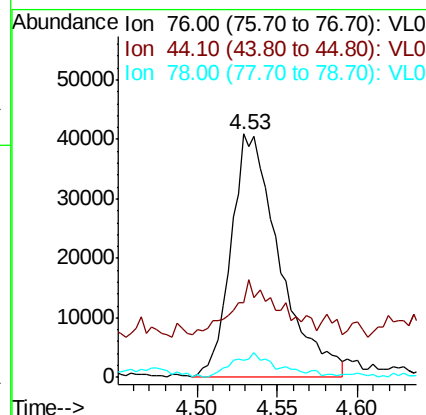
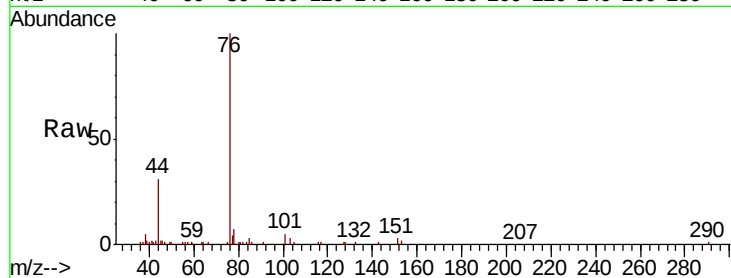
#27
Carbon Disulfide
Concen: 0.587 ppbv
RT: 4.53 min Scan# 542
Delta R.T. -0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
76	100		
44	23.2	15.5	23.3
78	10.5	7.8	11.6

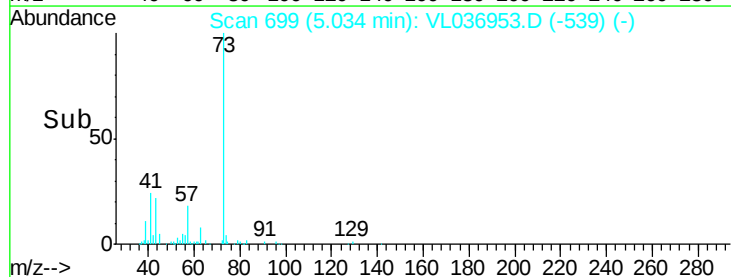
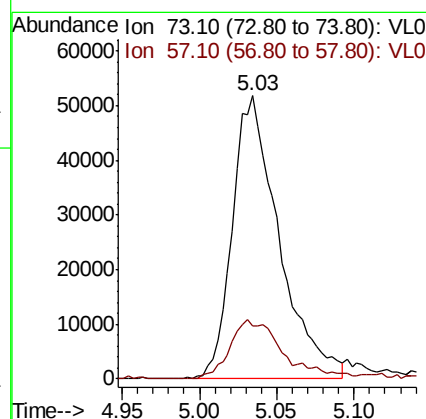
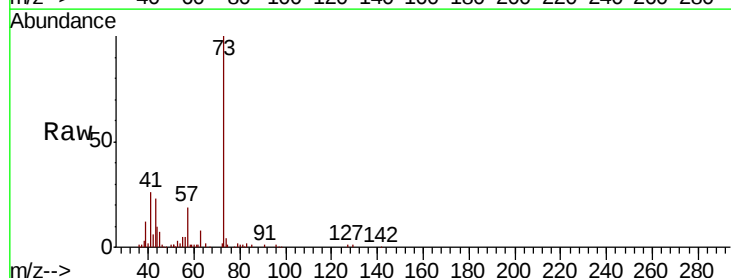
Manual Integrations
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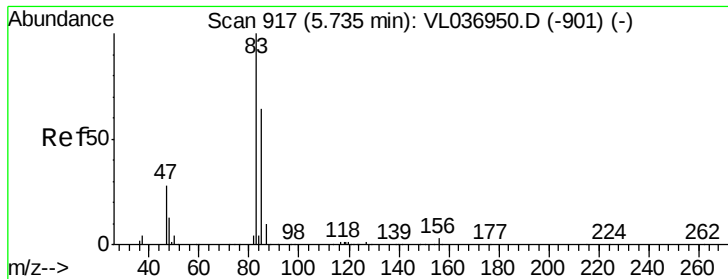
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#28
Methyl tert-Butyl Ether
Concen: 0.688 ppbv
RT: 5.03 min Scan# 699
Delta R.T. 0.02 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.8	18.3	27.5





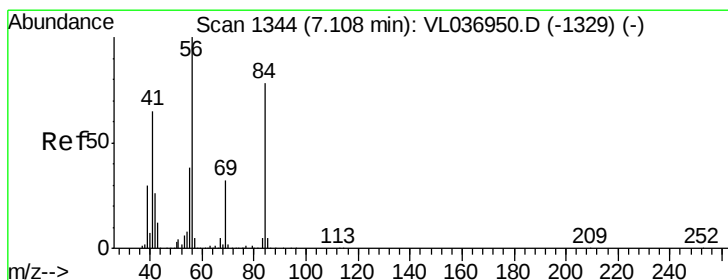
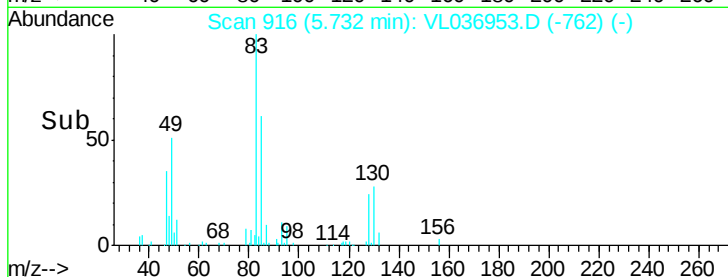
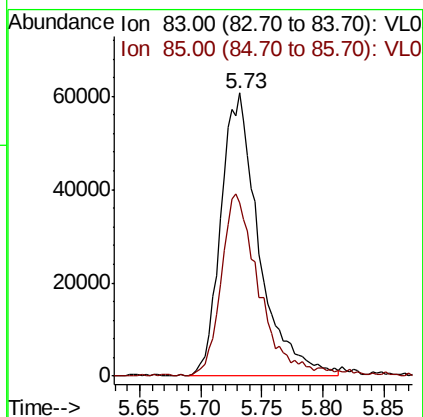
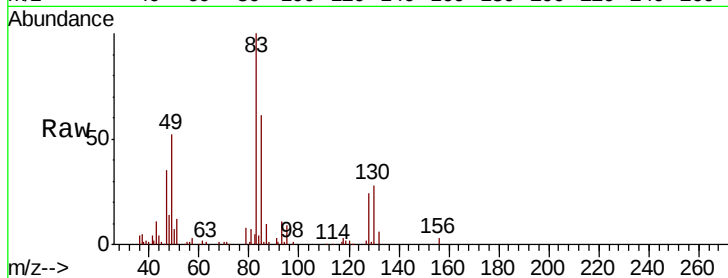
#29
Chloroform
Concen: 0.544 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 83 Resp: 133020
Ion Ratio Lower Upper
83 100
85 61.3 51.1 76.7

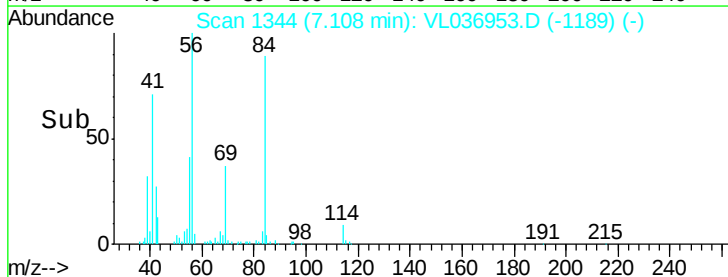
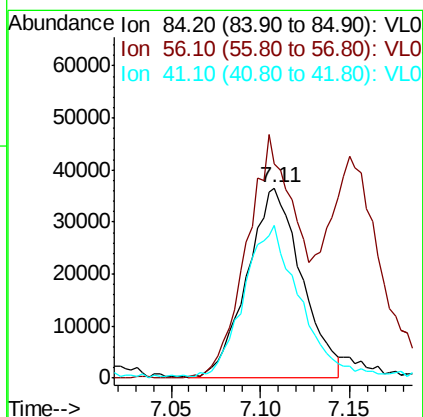
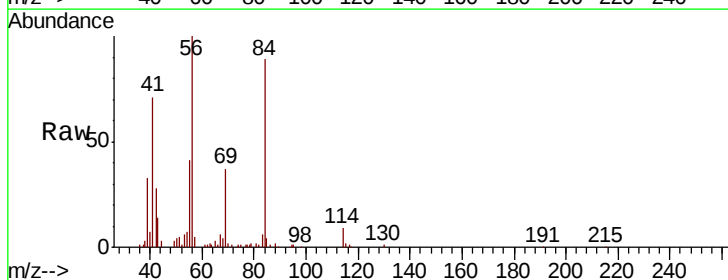
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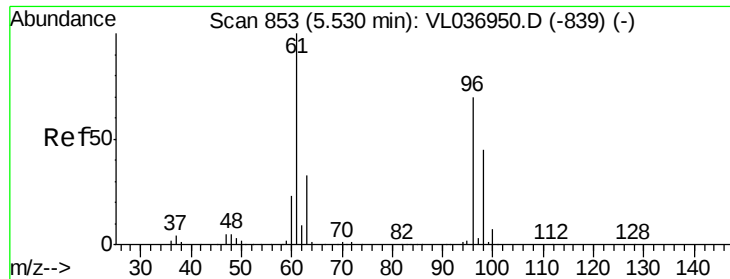
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#30
Cyclohexane
Concen: 0.626 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Tgt Ion: 84 Resp: 78136
Ion Ratio Lower Upper
84 100
56 116.1 107.9 161.9
41 87.3 65.5 98.3





#31

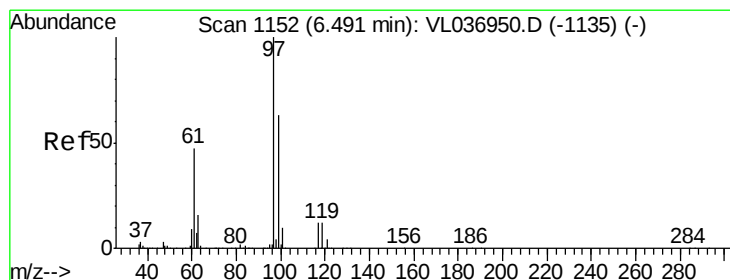
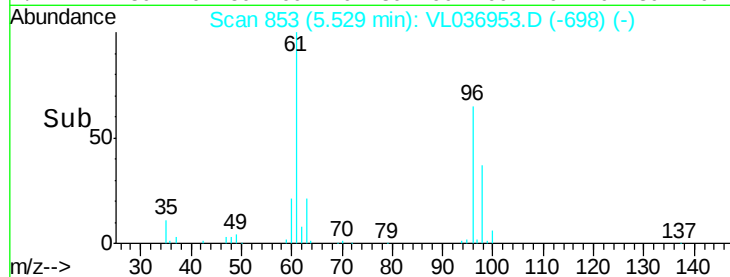
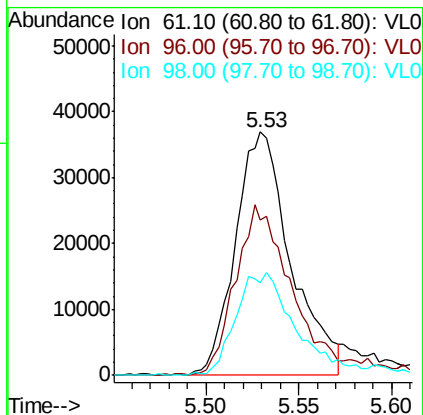
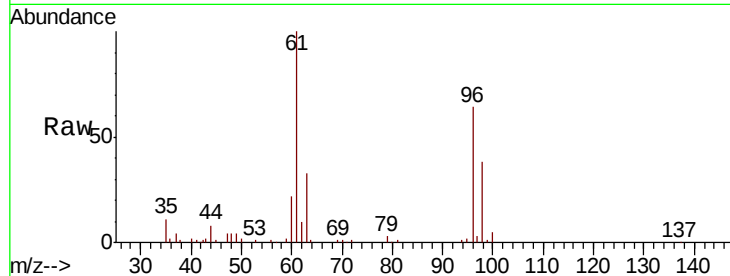
cis-1,2-Dichloroethene
Concen: 0.601 ppbv
RT: 5.53 min Scan# 853
Delta R.T. -0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion:	61	Resp:	76829
Ion Ratio	Lower	Upper	
61	100		
96	63.7	55.9	83.9
98	38.0	35.6	53.4

Manual Integrations
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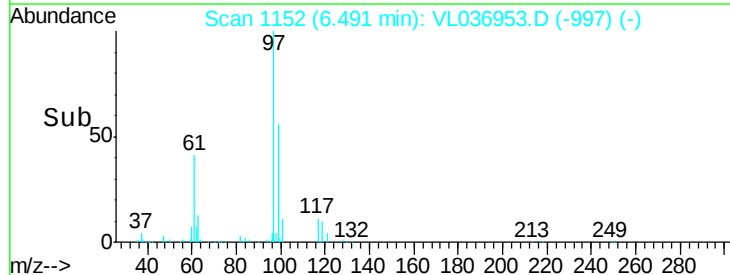
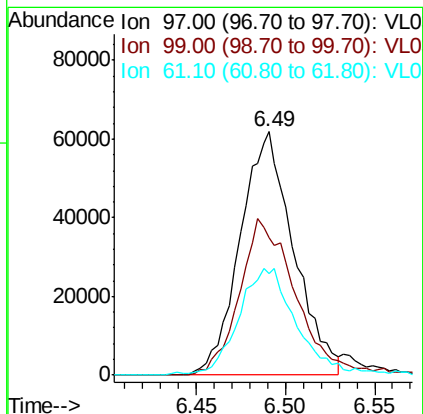
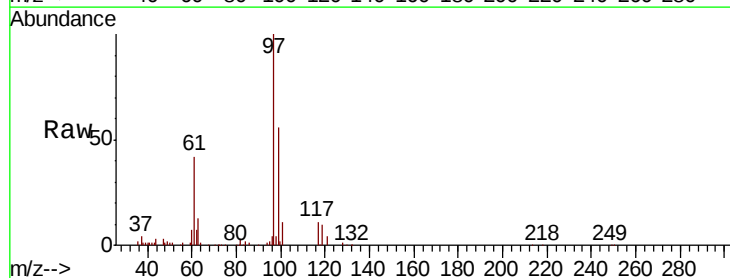
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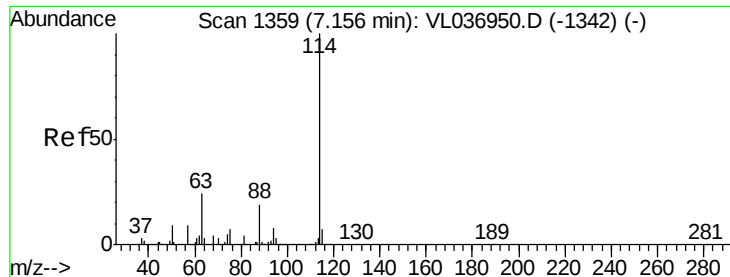


#32

1,1,1-Trichloroethane
Concen: 0.497 ppbv
RT: 6.49 min Scan# 1152
Delta R.T. -0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Tgt Ion:	97	Resp:	129720
Ion Ratio	Lower	Upper	
97	100		
99	68.1	51.9	77.9
61	47.7	37.6	56.4





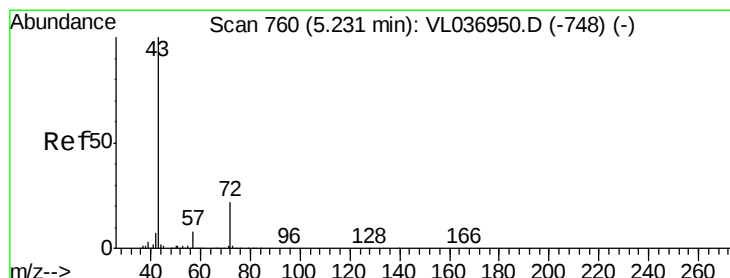
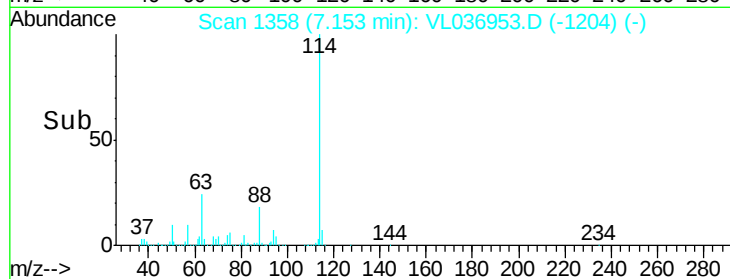
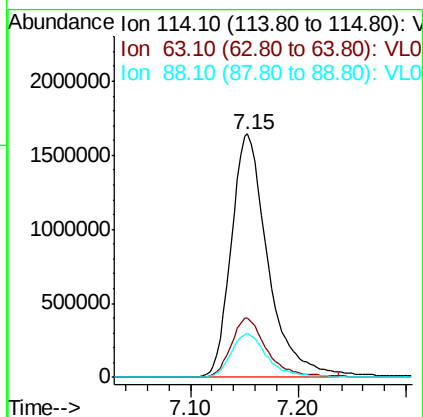
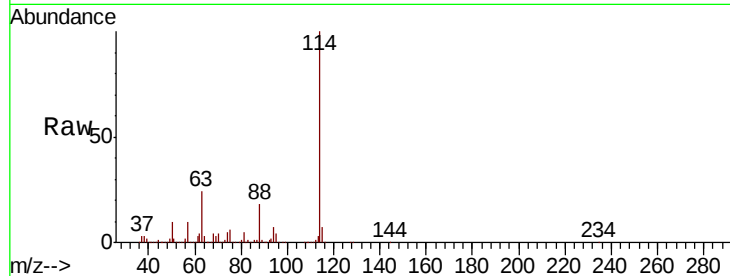
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.6	29.4
88	18.2	14.6	21.8

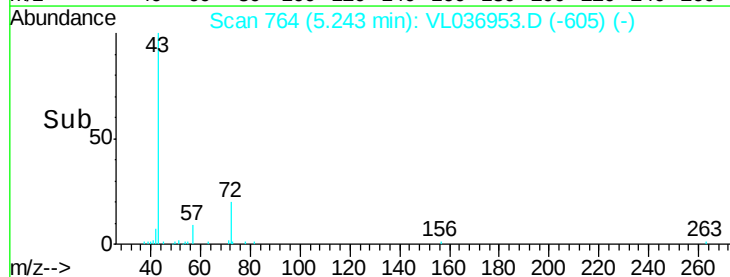
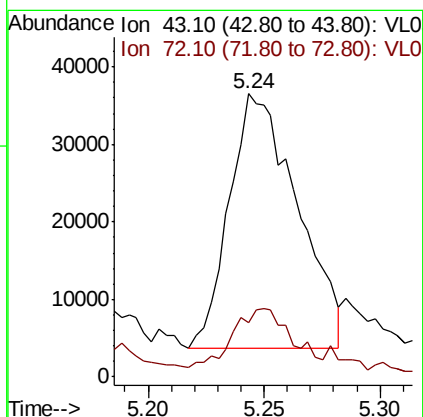
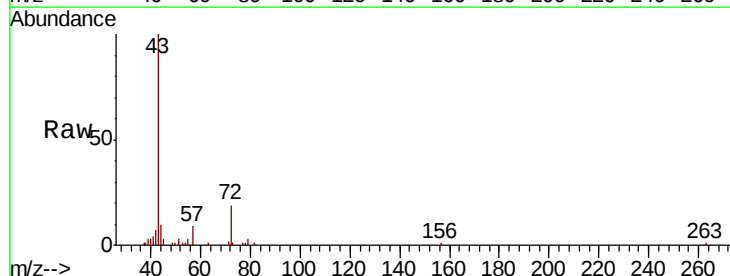
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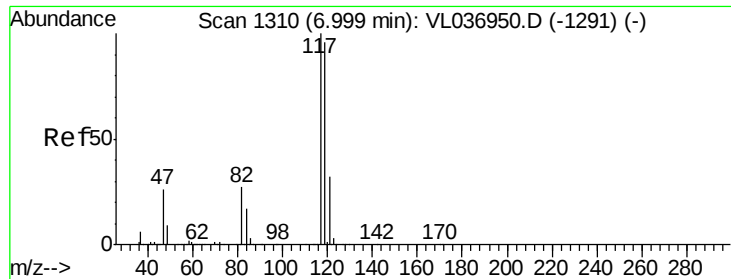
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#34
 2-Butanone
 Concen: 0.451 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Tgt Ion	Ratio	Lower	Upper
43	100		
72	35.5	19.0	28.4#





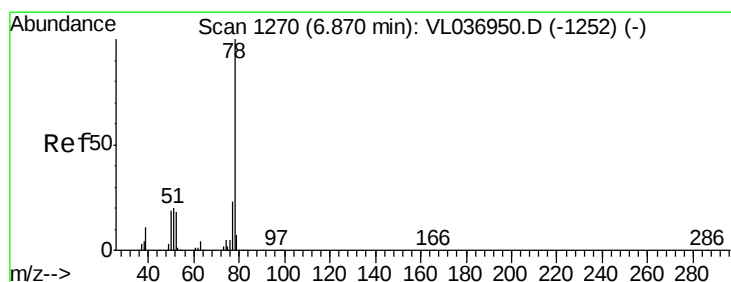
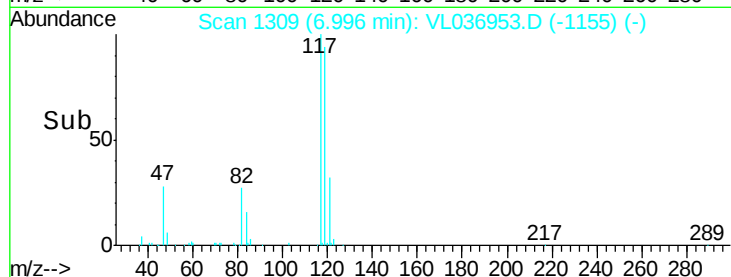
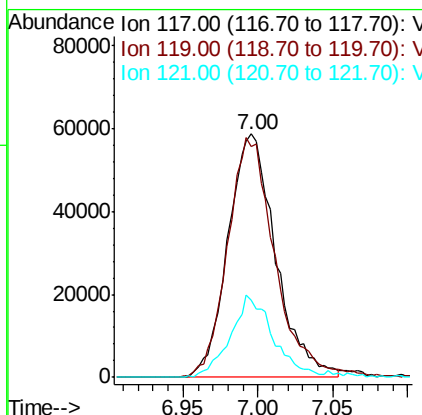
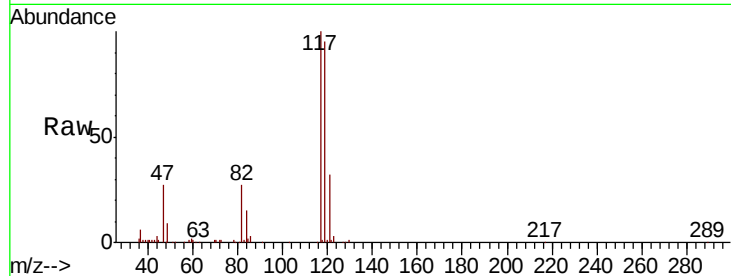
#35
Carbon Tetrachloride
Concen: 0.428 ppbv
RT: 7.00 min Scan# 1309
Delta R.T. -0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.6	114.8
121	31.5	25.8	38.6

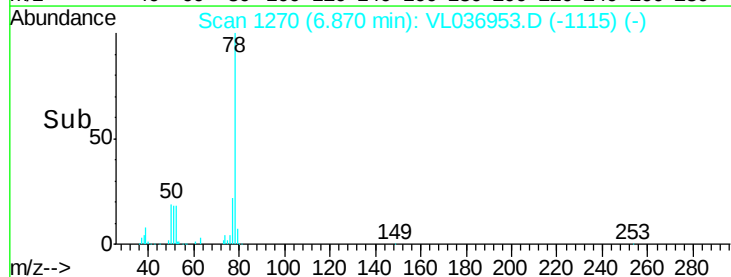
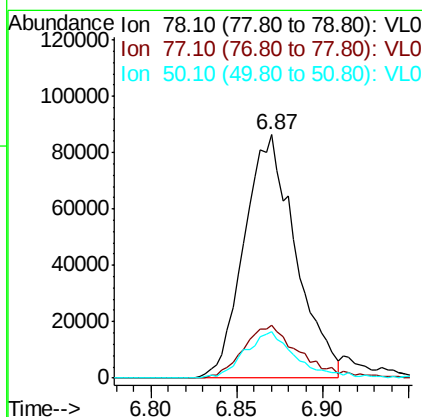
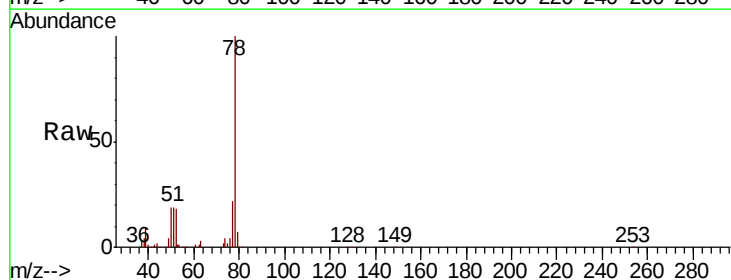
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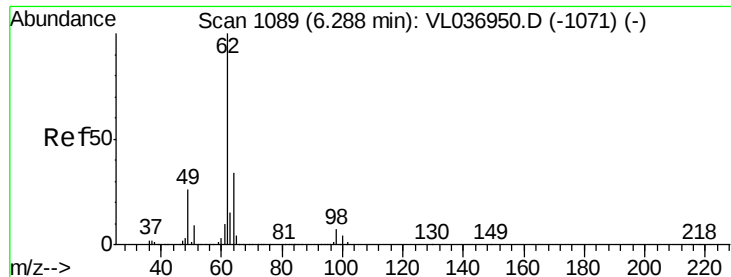
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#36
Benzene
Concen: 0.574 ppbv
RT: 6.87 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.5	18.6	28.0
50	19.1	15.0	22.4





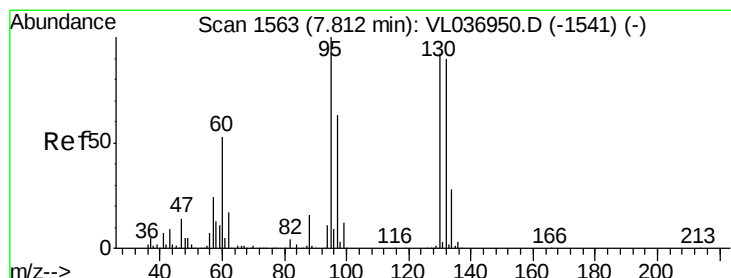
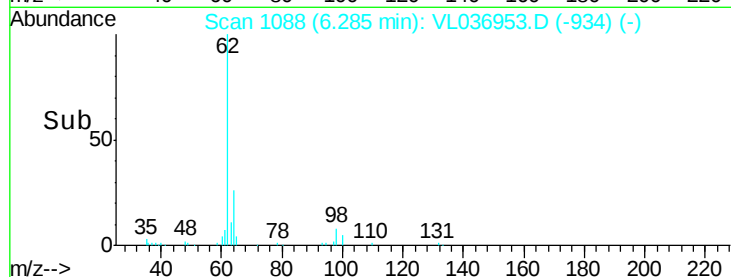
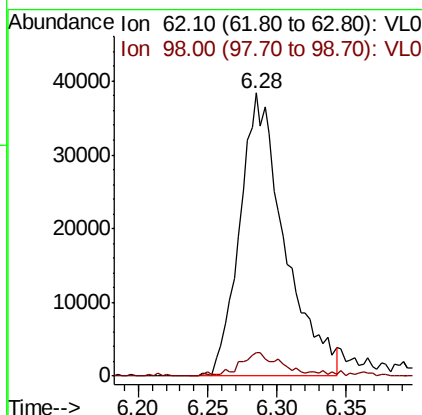
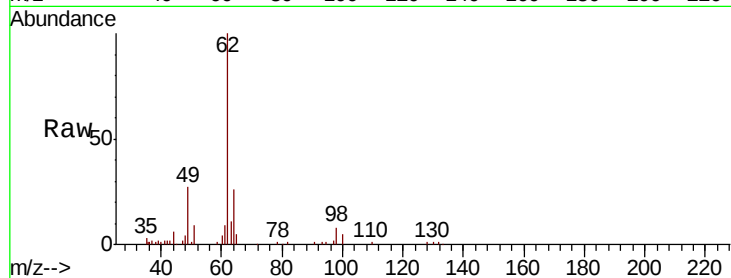
#37
 1,2-Dichloroethane
 Concen: 0.467 ppbv m
 RT: 6.28 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
62	100		
98	0.0	5.5	8.3#

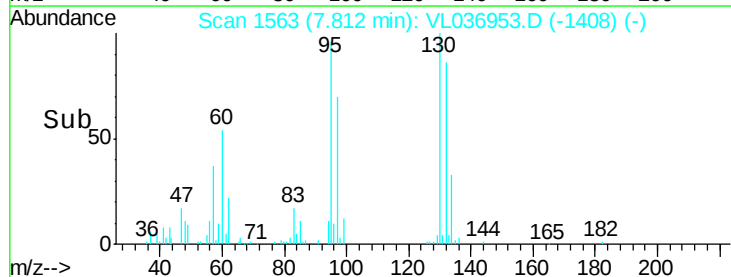
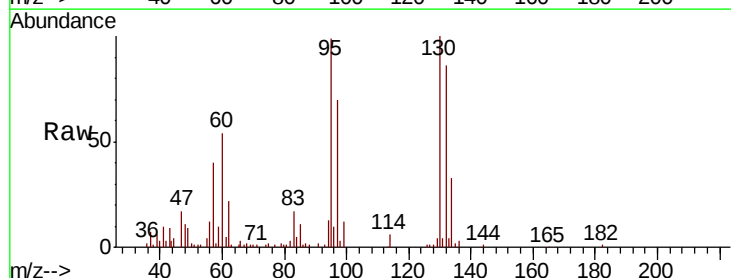
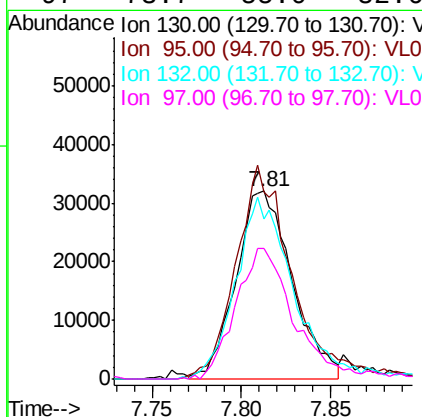
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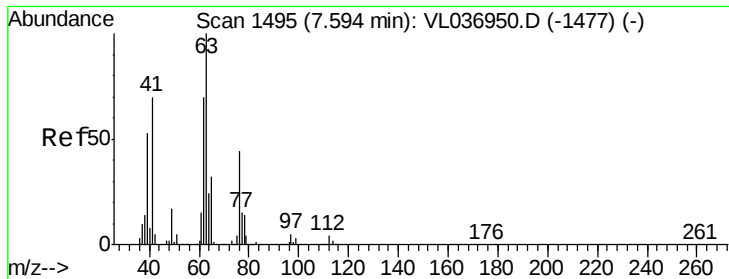
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#38
 Trichloroethene
 Concen: 0.550 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.8	86.9	130.3
132	90.1	78.4	117.6
97	73.7	55.0	82.6





#39

1,2-Dichloropropane

Concen: 0.534 ppbv

RT: 7.59 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

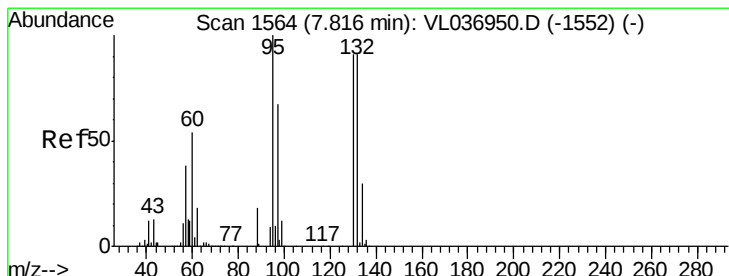
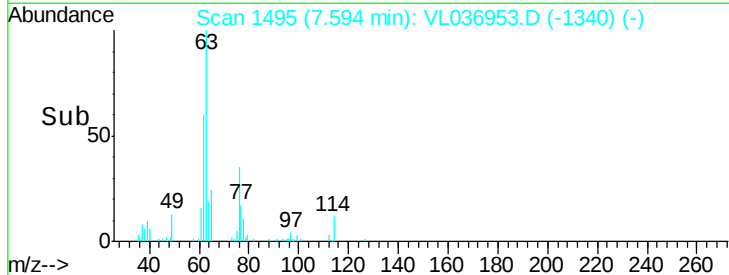
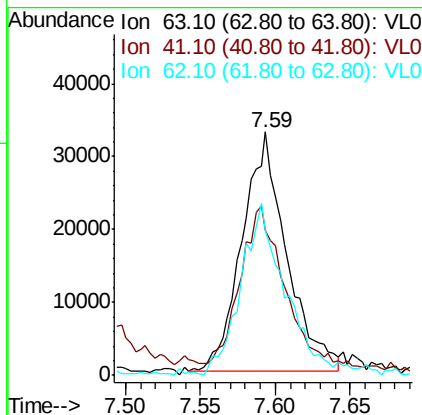
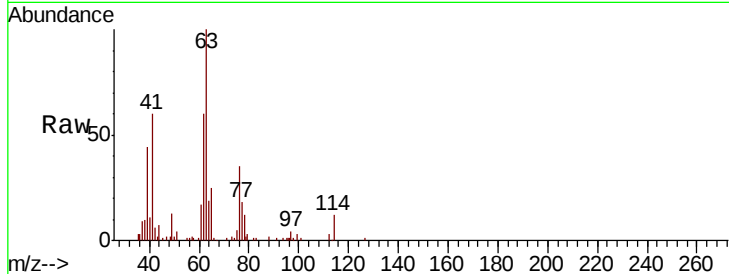
ClientSampleId :

VSTDIC0.5

Tot Ion:	63	Resp:	68334
Ion Ratio	Lower	Upper	
63	100		
41	54.7	55.7	83.5#
62	59.4	56.2	84.4

Manual Integrations
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#40

1,4-Dioxane

Concen: 0.595 ppbv m

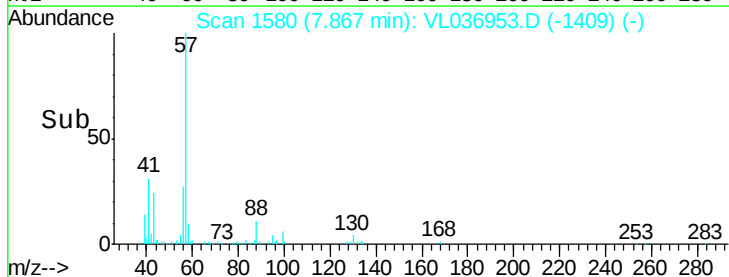
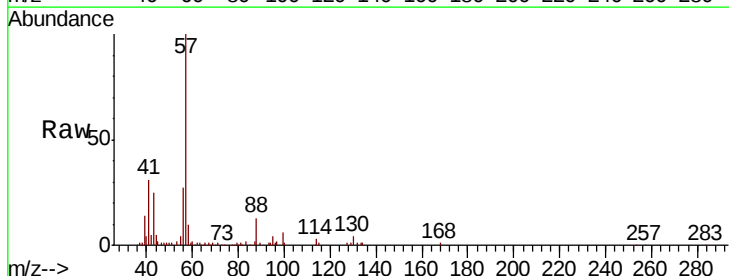
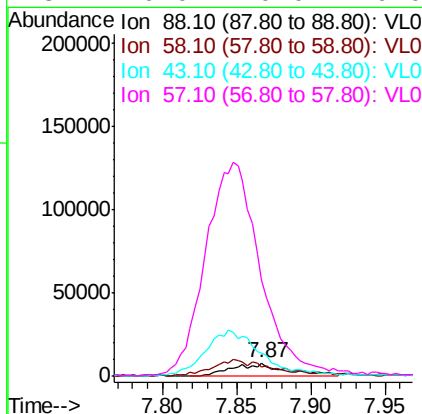
RT: 7.87 min Scan# 1580

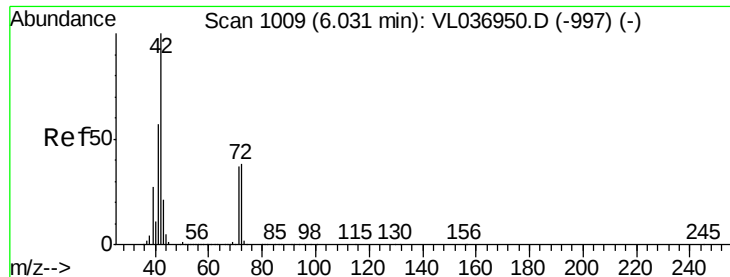
Delta R.T. 0.05 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Tgt Ion:	88	Resp:	19864
Ion Ratio	Lower	Upper	
88	100		
58	0.0	0.0	0.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0





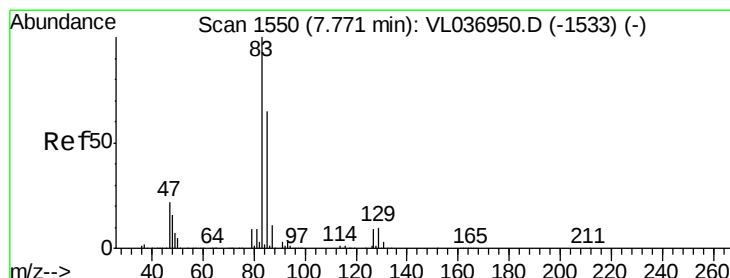
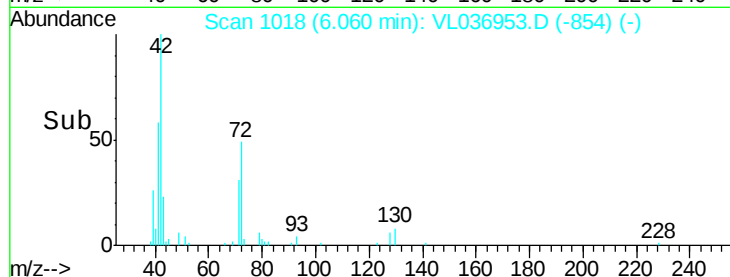
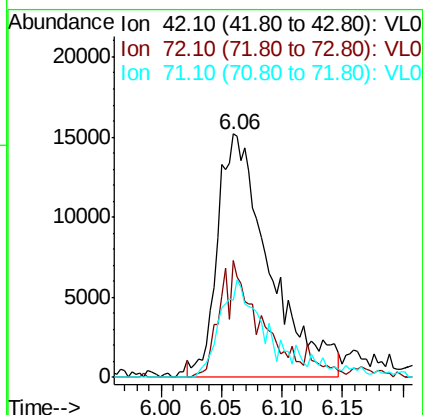
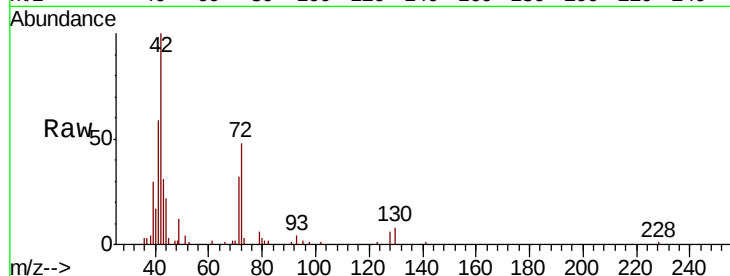
#41
Tetrahydrofuran
Concen: 0.743 ppbv m
RT: 6.06 min Scan# 1018
Delta R.T. 0.03 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.2#
71	0.0	30.4	45.6#

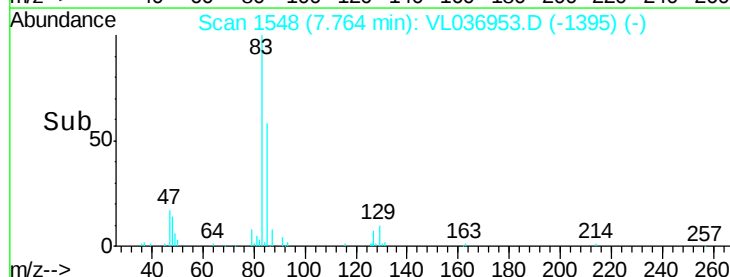
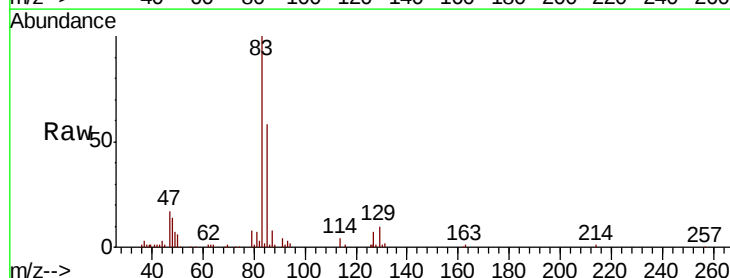
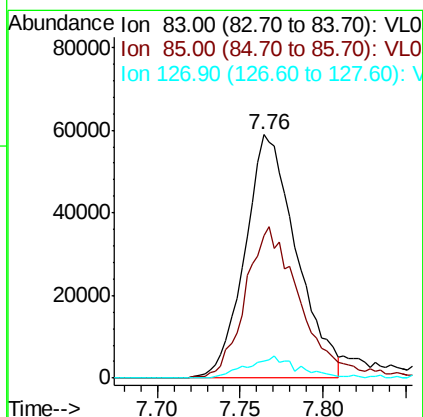
Manual Integrations
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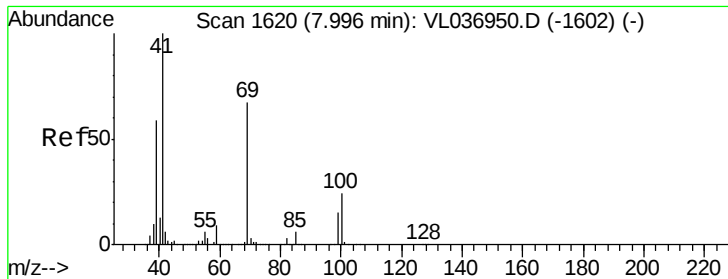
MMDadoda
5/20/2021 5:54:18 PM



#42
Bromodichloromethane
Concen: 0.466 ppbv
RT: 7.76 min Scan# 1548
Delta R.T. -0.01 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.3	51.7	77.5
127	7.0	6.9	10.3





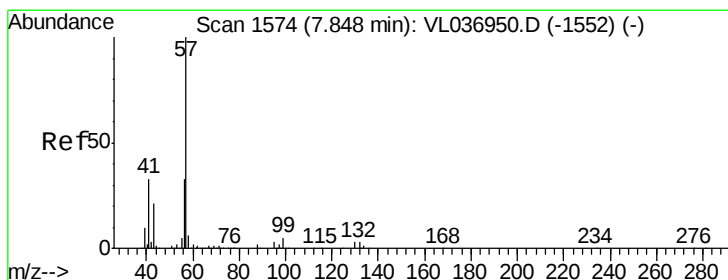
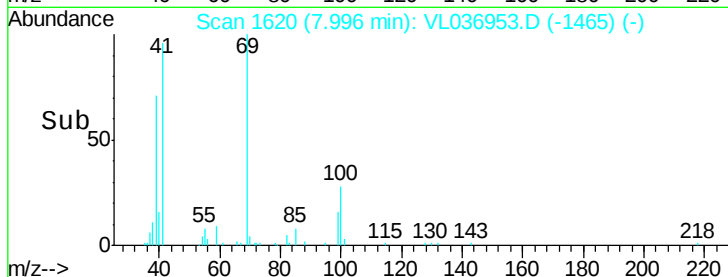
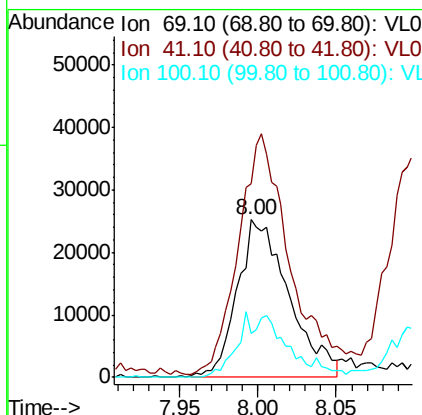
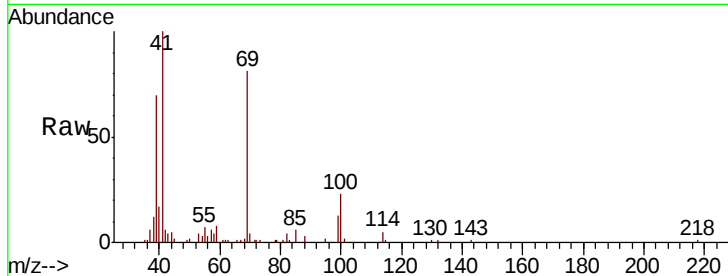
#43
Methvl Methacrilate
Concen: 0.637 ppbv m
RT: 8.00 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
69	100		
41	0.0	118.6	178.0#
100	39.0	28.2	42.4

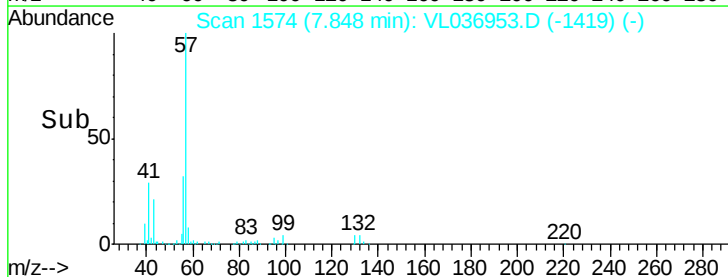
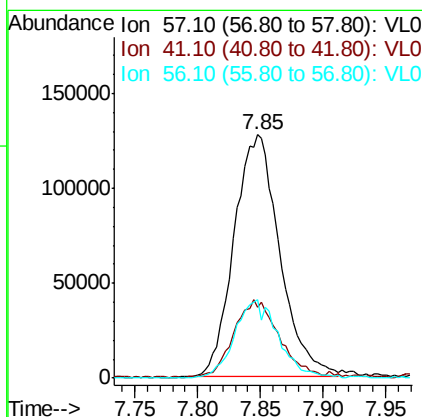
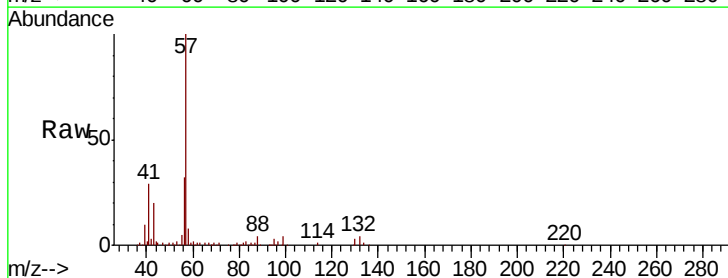
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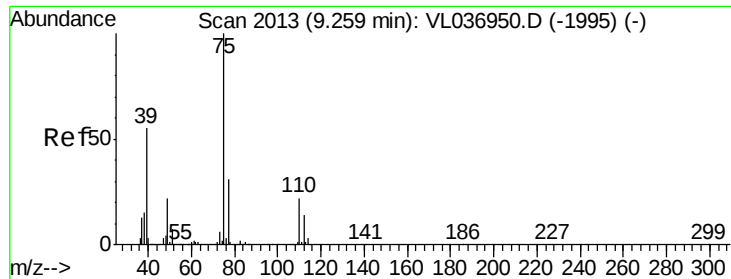
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 0.581 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.6	27.0	40.4
56	31.7	25.4	38.2





#45

t-1,3-Dichloropropene

Concen: 0.480 ppbv m

RT: 9.26 min Scan# 2012

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 75 Resp: 39446

Ion Ratio Lower Upper

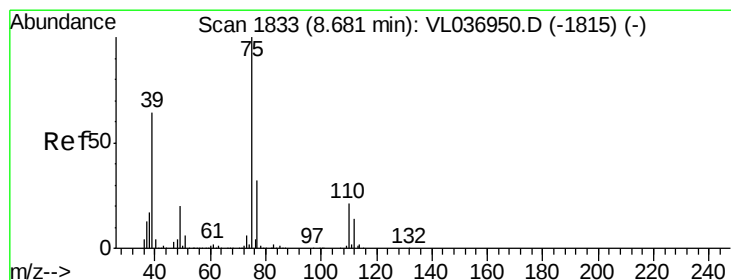
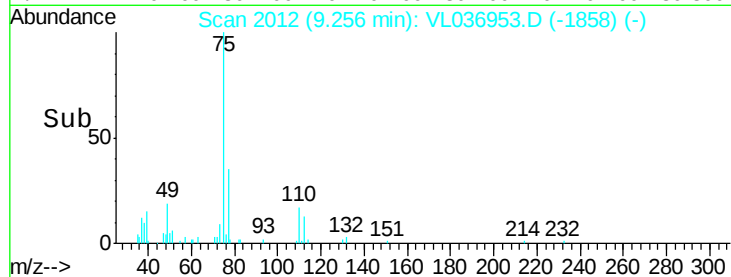
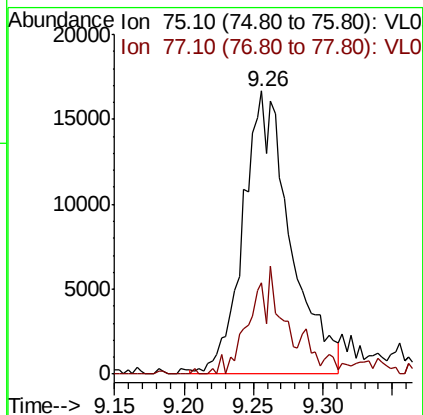
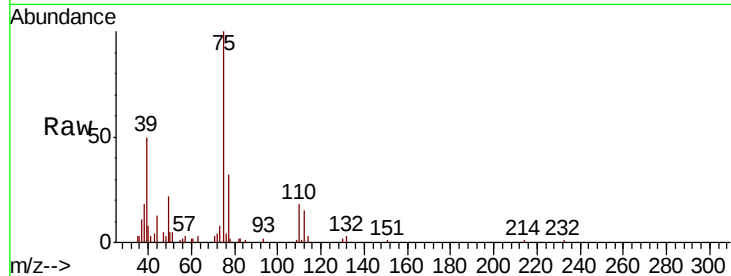
75 100

77 32.2 24.4 36.6

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5/20/2021 5:54:18 PM



#46

cis-1,3-Dichloropropene

Concen: 0.466 ppbv

RT: 8.68 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

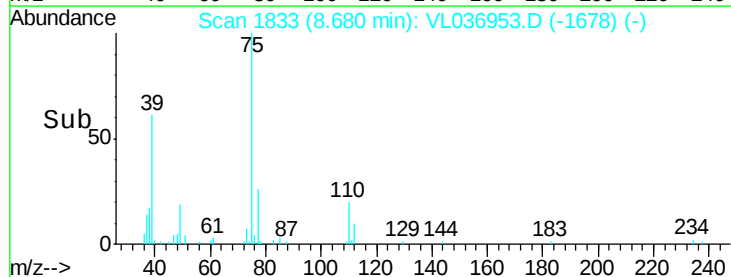
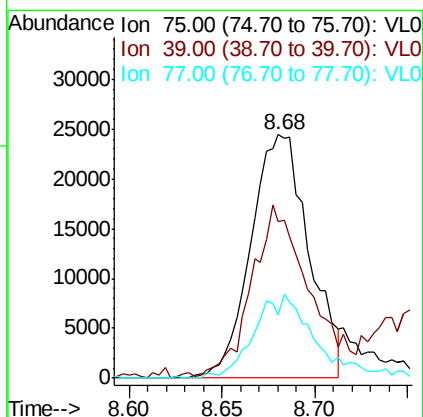
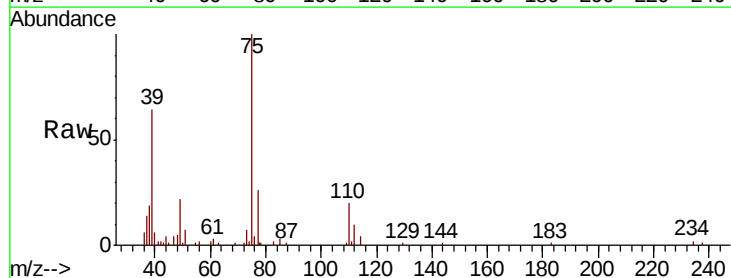
Tgt Ion: 75 Resp: 53552

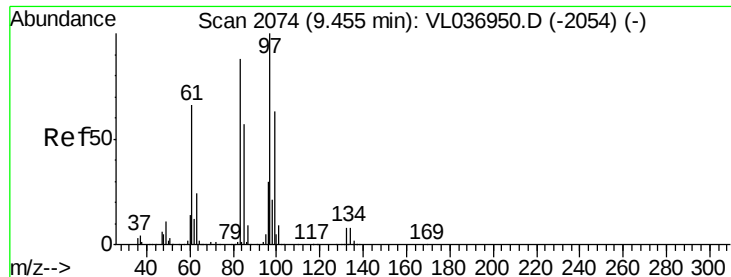
Ion Ratio Lower Upper

75 100

39 61.9 51.5 77.3

77 26.0 25.9 38.9





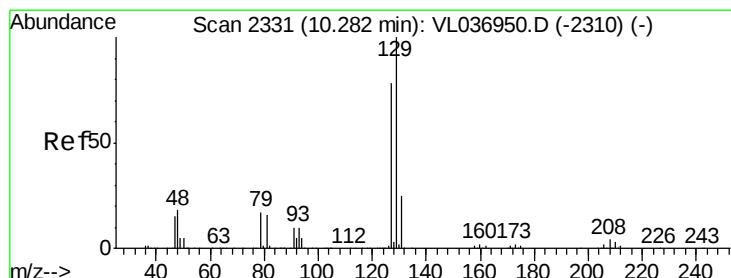
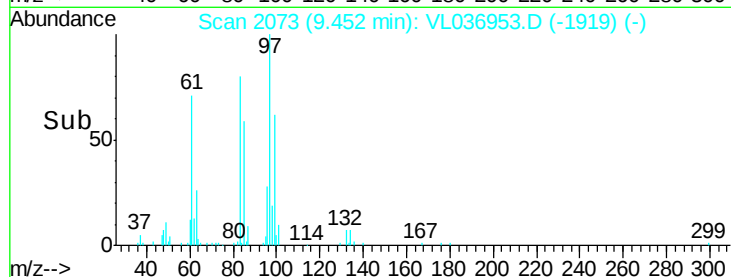
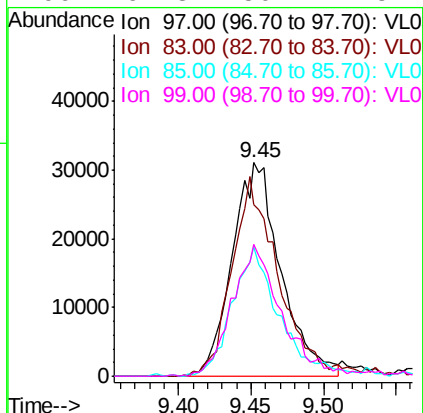
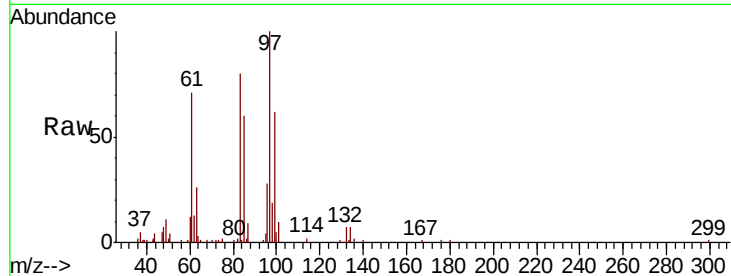
#47
 1,1,2-Trichloroethane
 Concen: 0.517 ppbv
 RT: 9.45 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	97	Resp:	72582
Ion	Ratio	Lower	Upper
97	100		
83	79.3	70.4	105.6
85	59.3	45.5	68.3
99	61.8	50.2	75.2

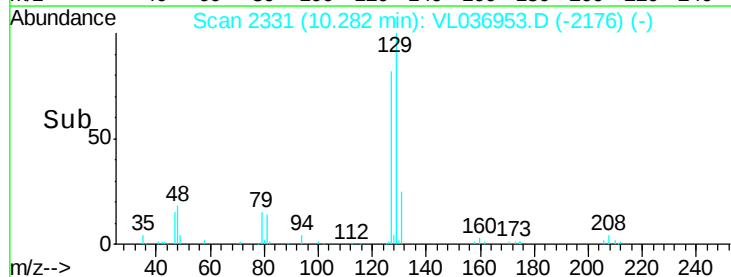
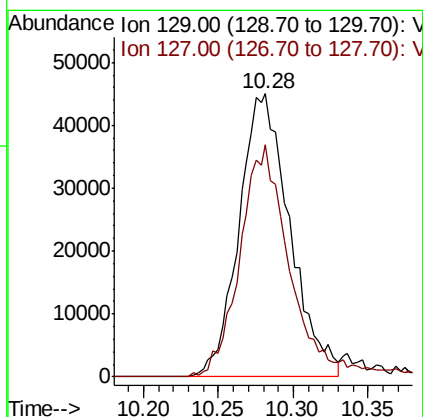
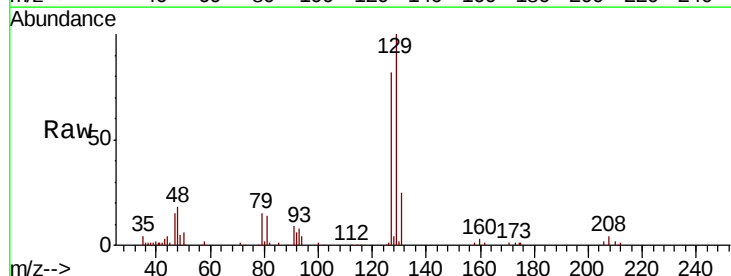
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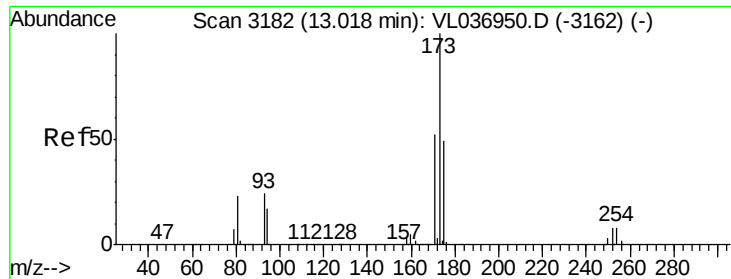
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#48
 Dibromochloromethane
 Concen: 0.503 ppbv
 RT: 10.28 min Scan# 2331
 Delta R.T. -0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Tgt Ion:	129	Resp:	106248
Ion	Ratio	Lower	Upper
129	100		
127	83.1	39.3	117.8





#49

Bromoform

Concen: 0.457 ppbv

RT: 13.01 min Scan# 3180

Delta R.T. -0.01 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

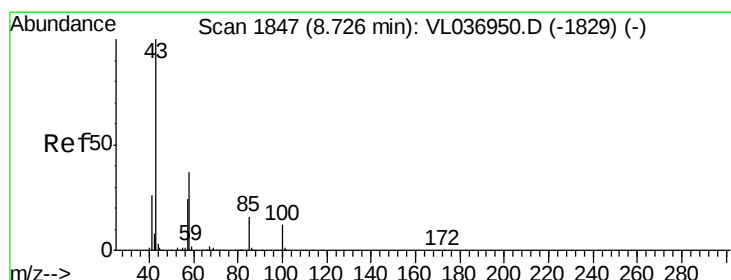
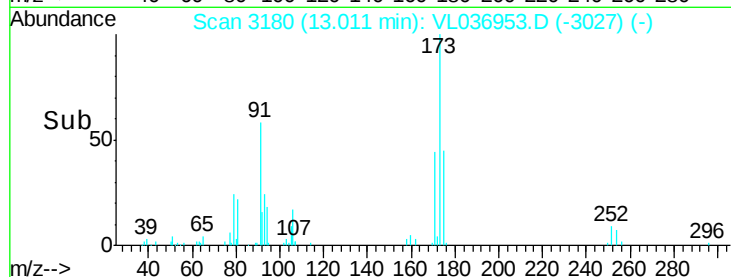
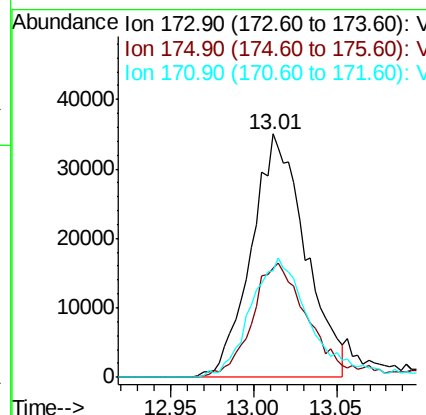
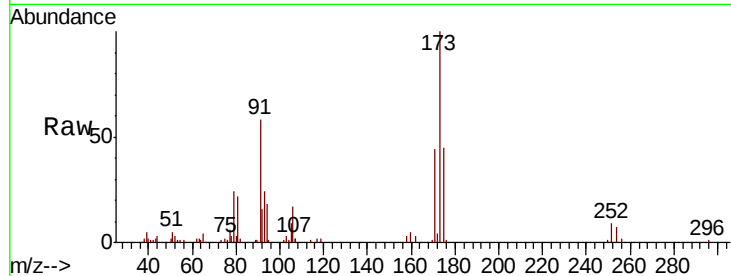
ClientSampleId :

VSTDIC0.5

Tot Ion:	173	Resp:	79478
Ion Ratio	Lower	Upper	
173	100		
175	51.3	40.4	60.6
171	56.7	42.6	64.0

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5/20/2021 5:54:18 PM



#50

4-Methyl-2-Pentanone

Concen: 0.615 ppbv m

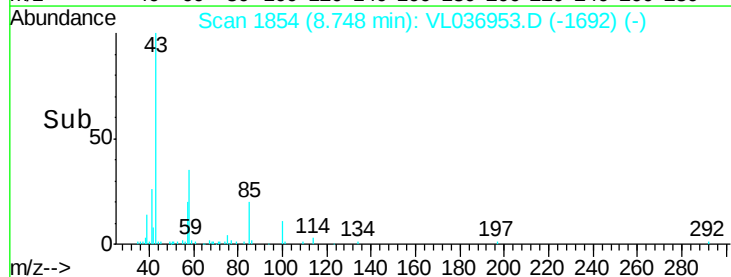
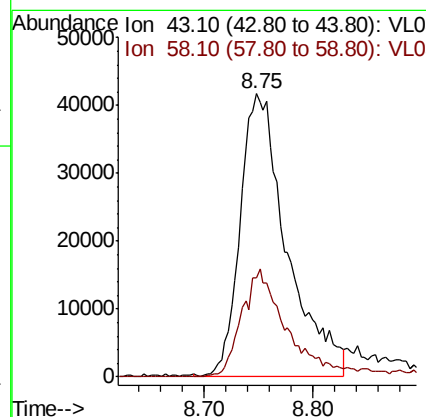
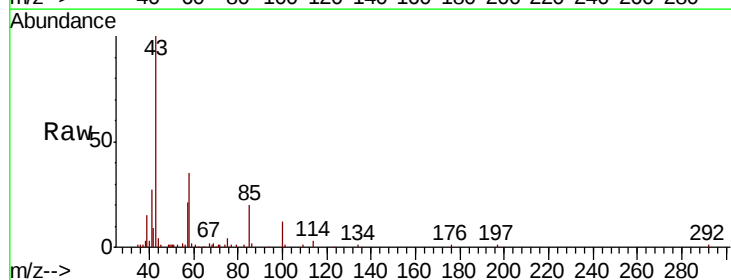
RT: 8.75 min Scan# 1854

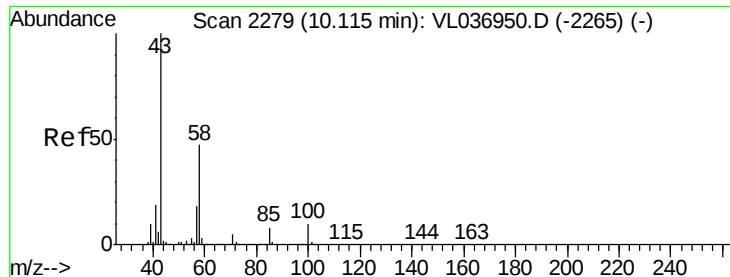
Delta R.T. 0.02 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Tgt Ion:	43	Resp:	125122
Ion Ratio	Lower	Upper	
43	100		
58	39.4	29.4	44.2





#51

2-Hexanone

Concen: 0.719 ppbv m

RT: 10.15 min Scan# 2291

Delta R.T. 0.04 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 62352

Ion Ratio Lower Upper

43 100

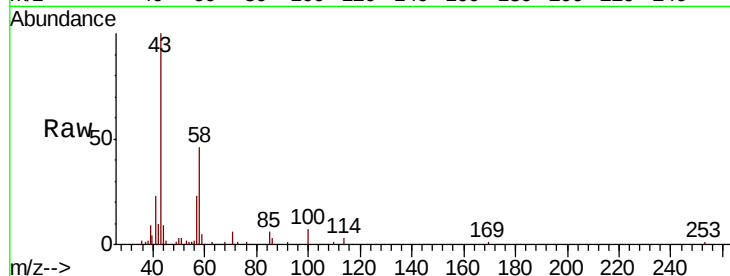
58 0.0 41.1 61.7#

98 0.0 0.1 0.1#

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5/20/2021 5:54:18 PM

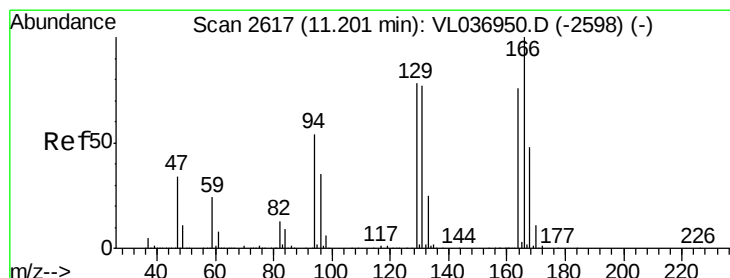
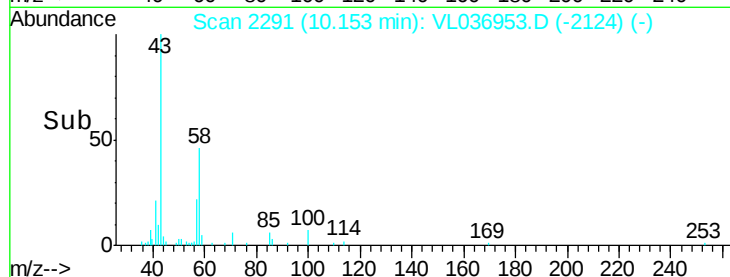
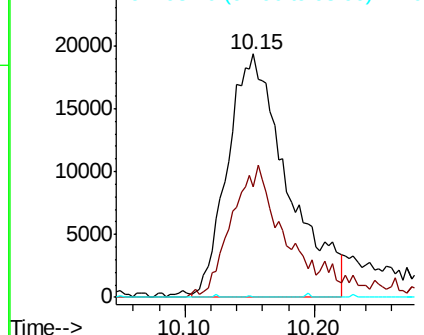


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 0.648 ppbv m

RT: 11.19 min Scan# 2614

Delta R.T. -0.01 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Tgt Ion: 164 Resp: 74376

Ion Ratio Lower Upper

164 100

166 122.8 105.5 158.3

129 94.6 81.8 122.8

131 88.6 81.2 121.8

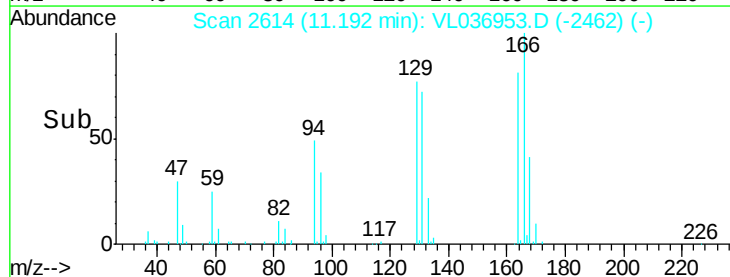
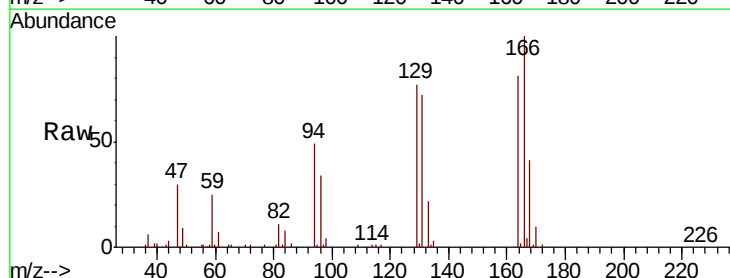
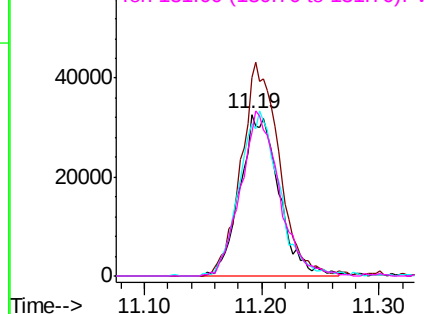
Abundance

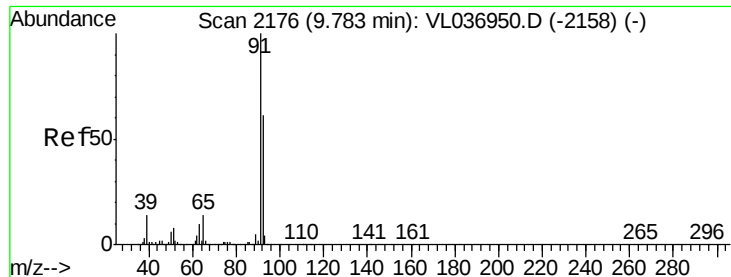
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 0.703 ppbv

RT: 9.78 min Scan# 2175

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 219205

Ion Ratio Lower Upper

91 100

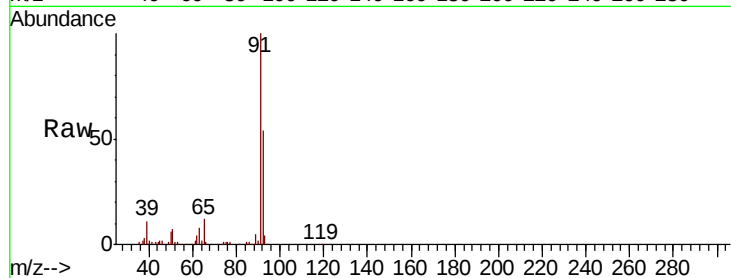
92 60.9 49.5 74.3

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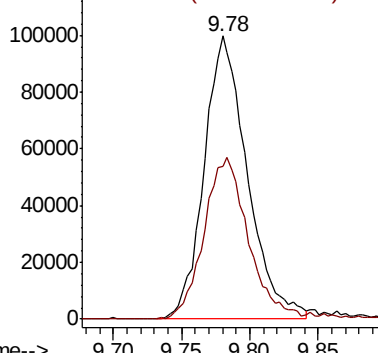
MMDadoda

5/20/2021 5:54:18 PM

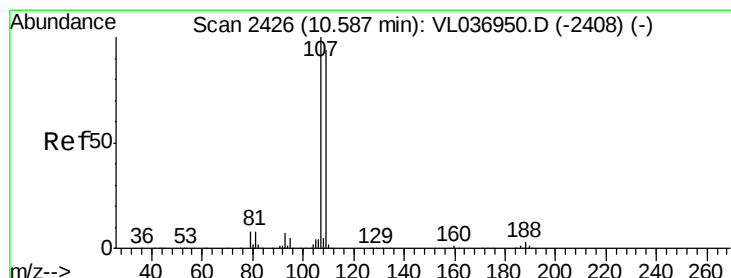
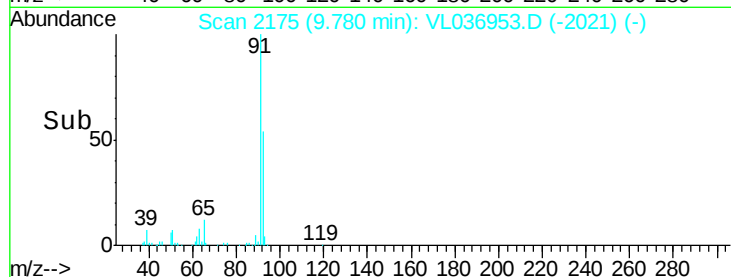


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



Time-->



#54

1,2-Dibromoethane

Concen: 0.532 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. -0.00 min

Lab File: VL036953.D

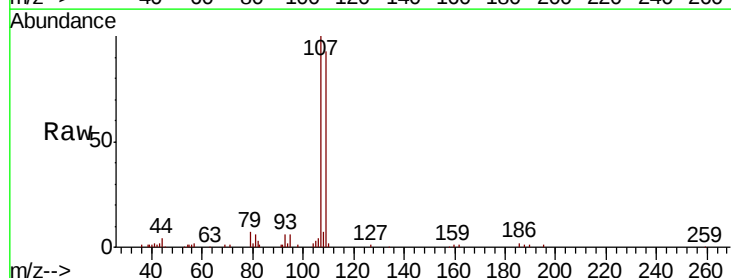
Acq: 18 May 2021 3:53

Tgt Ion: 107 Resp: 97463

Ion Ratio Lower Upper

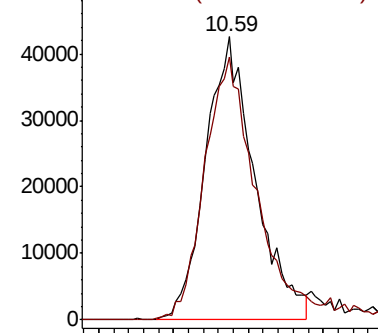
107 100

109 92.3 75.0 112.4

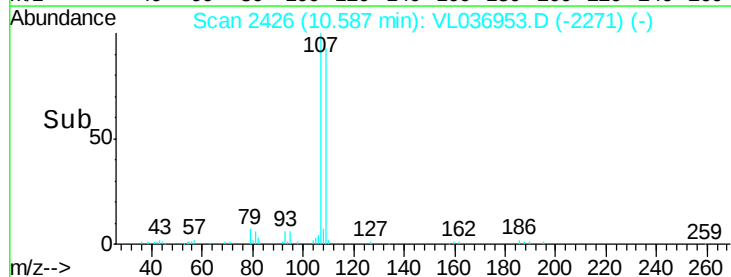


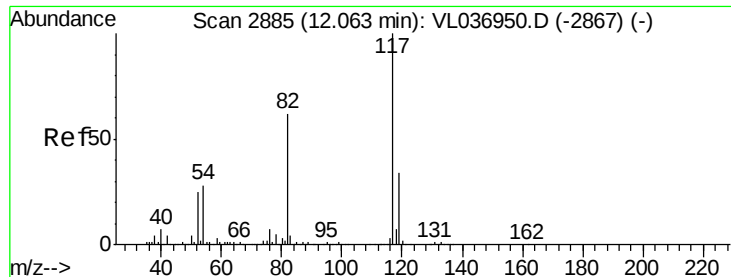
Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time-->





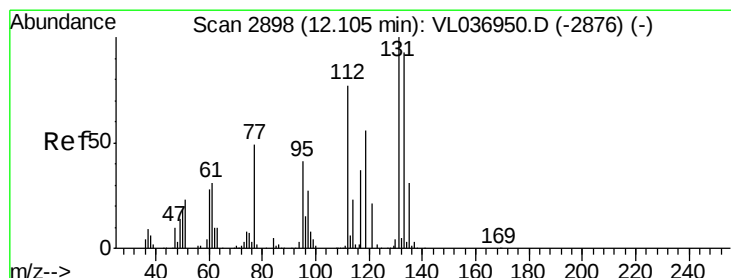
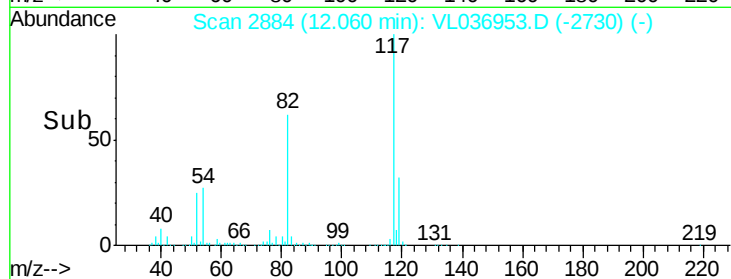
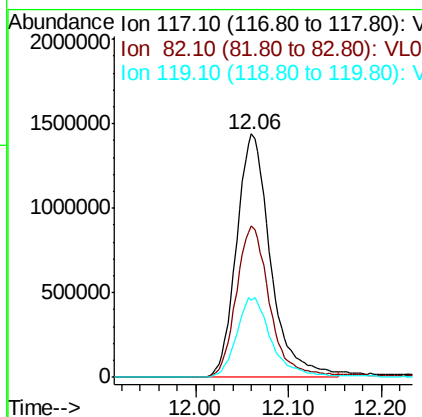
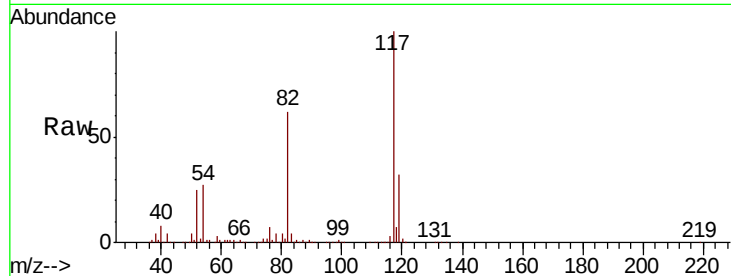
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.2	52.6	79.0
119	35.0	46.6	70.0#

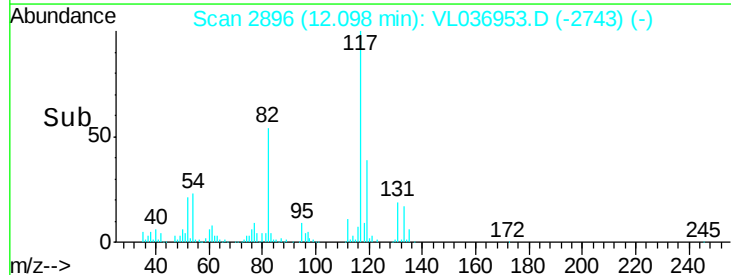
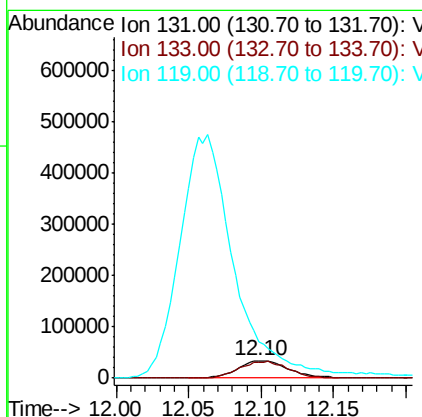
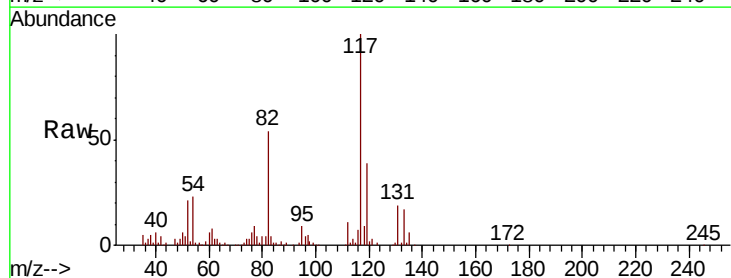
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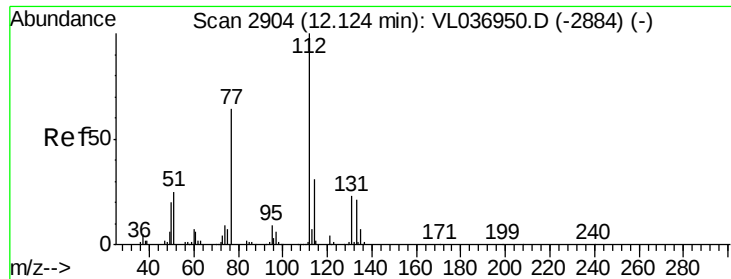
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.491 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.01 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	76.9	115.3
119	1534.5	120.2	180.4#





#57

Chlorobenzene

Concen: 0.487 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

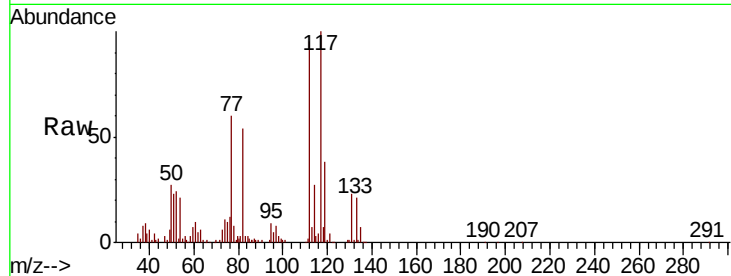
ClientSampleId :

VSTDIC0.5

Tot Ion:	112	Resp:	150785
Ion Ratio	Lower	Upper	
112	100		
77	58.1	51.0	76.6
114	27.1	28.3	34.5#

Manual Integrations
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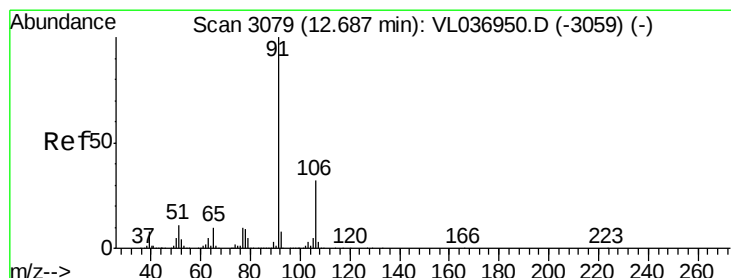
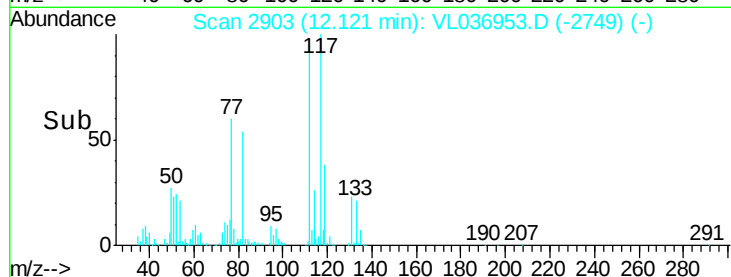
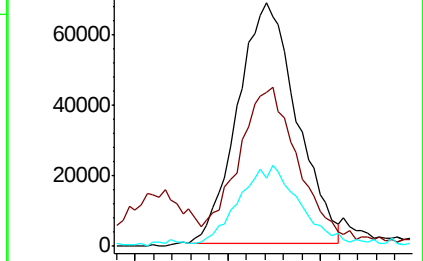
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 0.666 ppbv m

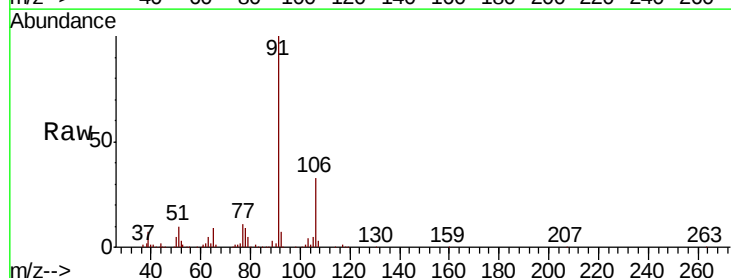
RT: 12.68 min Scan# 3078

Delta R.T. -0.00 min

Lab File: VL036953.D

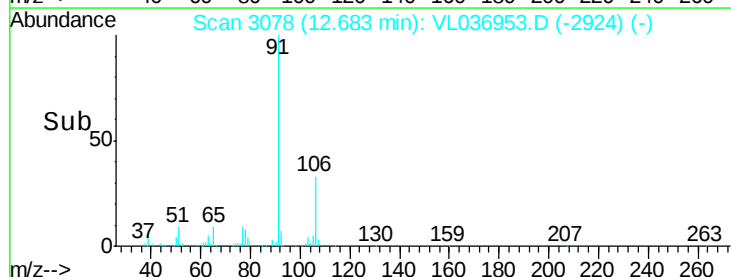
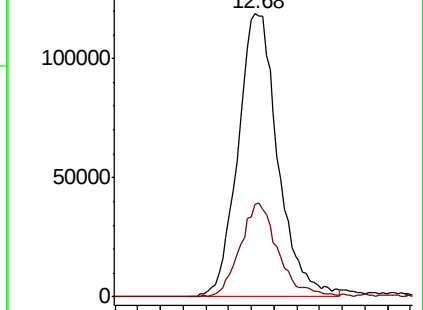
Acq: 18 May 2021 3:53

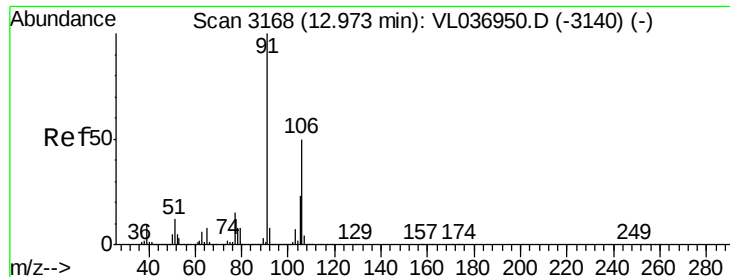
Tgt Ion:	91	Resp:	290739
Ion Ratio	Lower	Upper	
91	100		
106	32.6	25.6	38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





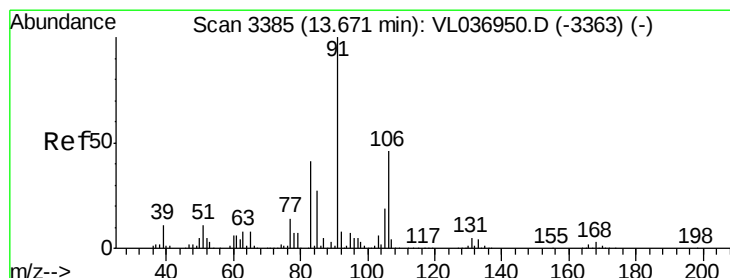
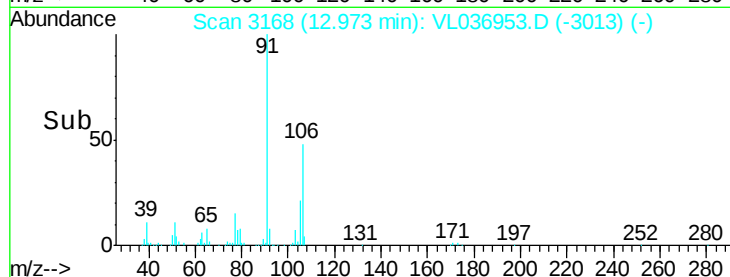
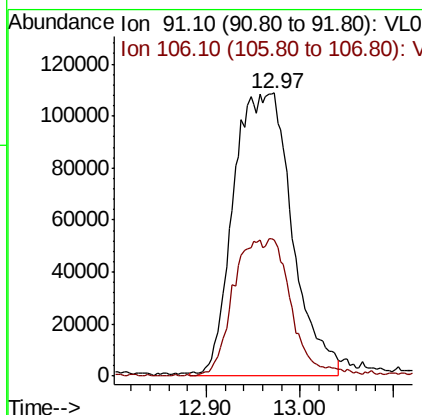
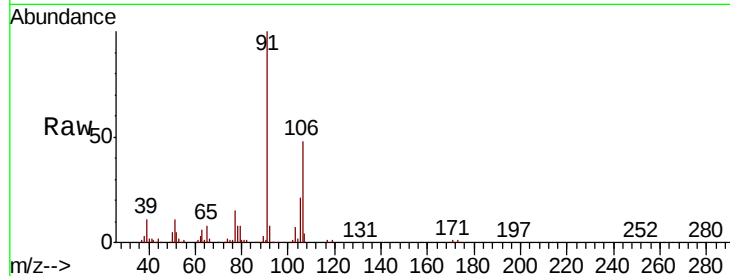
#59
m/p-Xylene
Concen: 1.155 ppbv m
RT: 12.97 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 473780
Ion Ratio Lower Upper
91 100
106 47.0 37.4 56.2

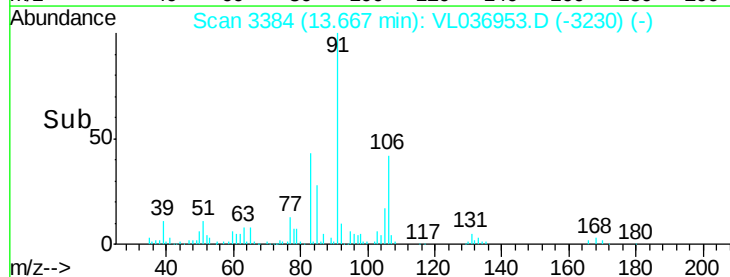
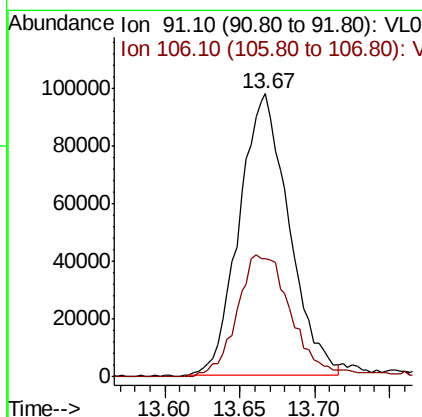
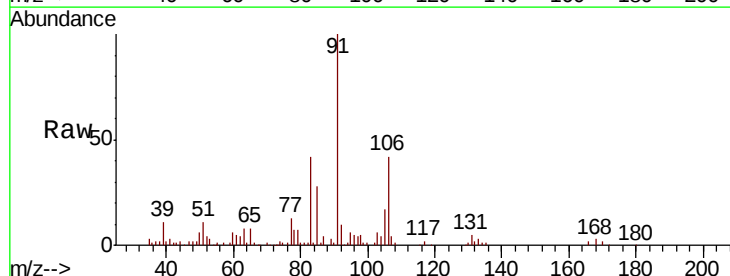
Manual Integrations
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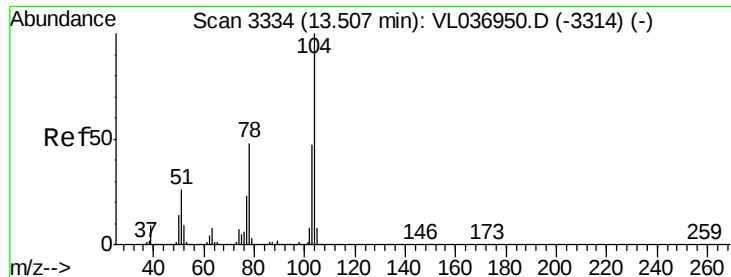
MMDadoda
5/20/2021 5:54:18 PM



#60
o-Xylene
Concen: 0.570 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Tgt Ion: 91 Resp: 226177
Ion Ratio Lower Upper
91 100
106 49.4 23.4 70.3





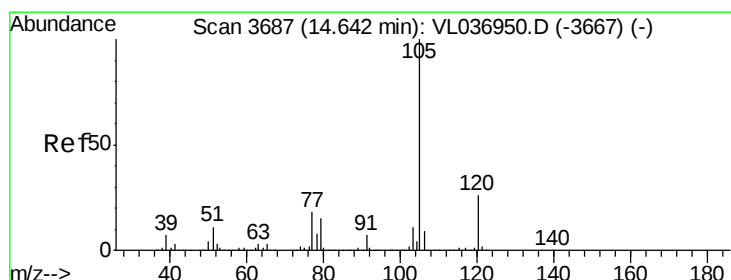
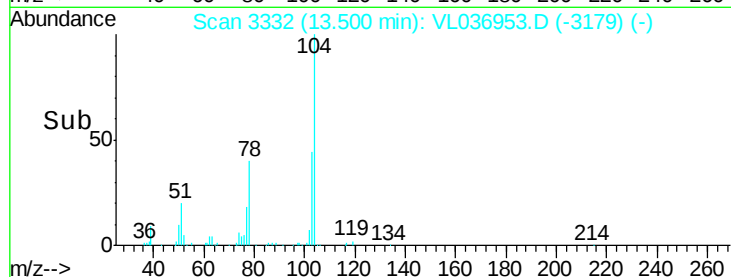
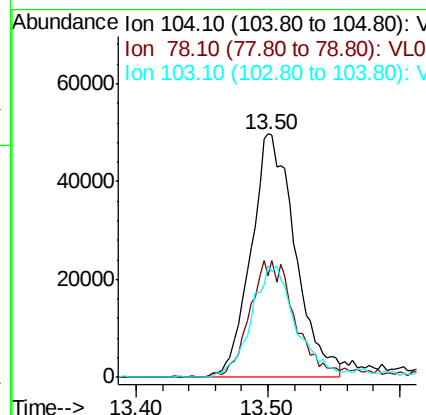
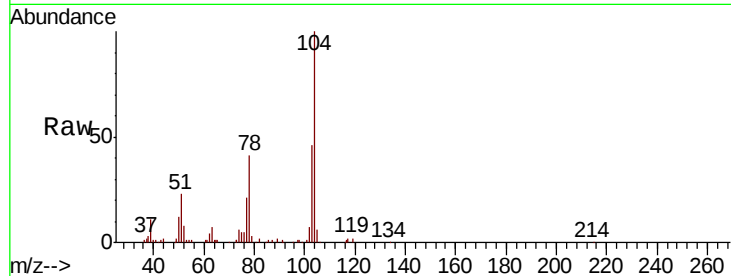
#61
Stvrene
Concen: 0.713 ppbv m
RT: 13.50 min Scan# 3332
Delta R.T. -0.01 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
104	100	116095		
78	0.0	39.0	58.6#	
103	0.0	38.0	57.0#	

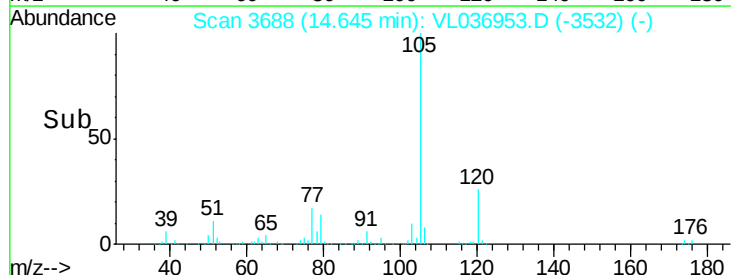
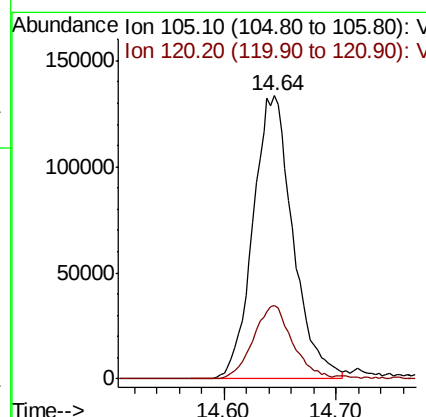
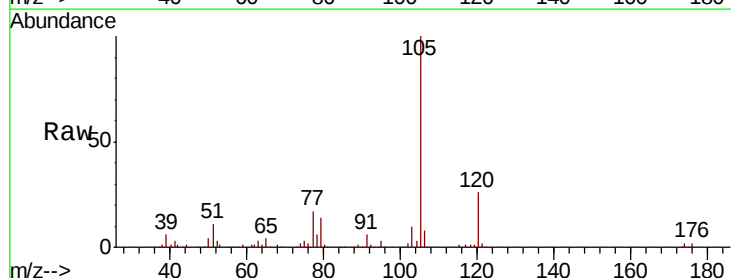
Manual Integrations
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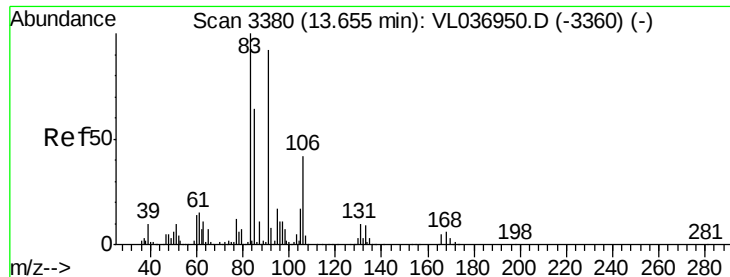
MMDadoda
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#62
Isopropylbenzene
Concen: 0.611 ppbv m
RT: 14.64 min Scan# 3688
Delta R.T. 0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	330775		
120	0.0	21.7	32.5#	





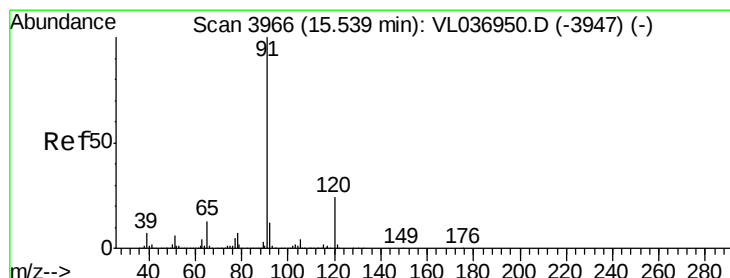
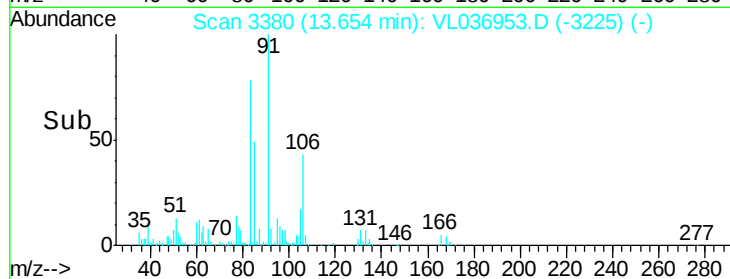
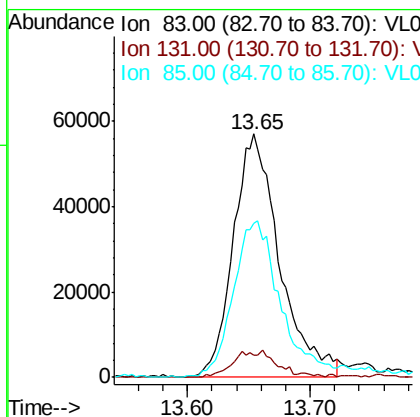
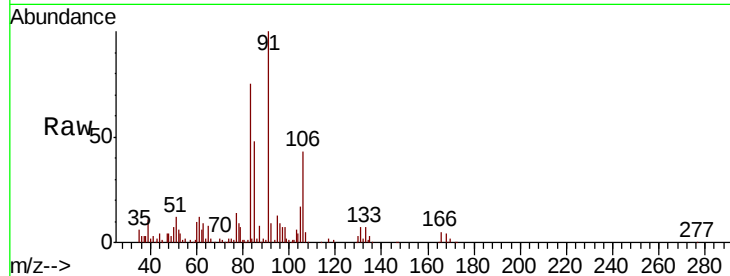
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.399 ppbv m
 RT: 13.65 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
83	100	149521		
131	10.9	5.0	15.0	
85	69.8	32.9	98.6	

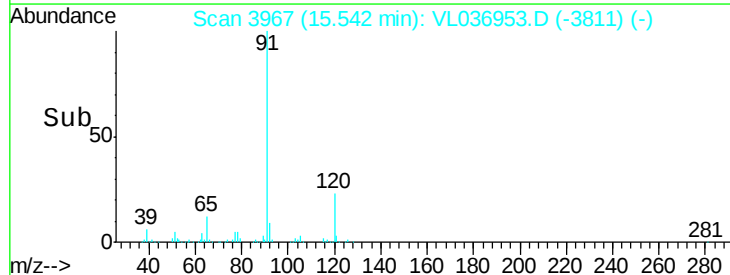
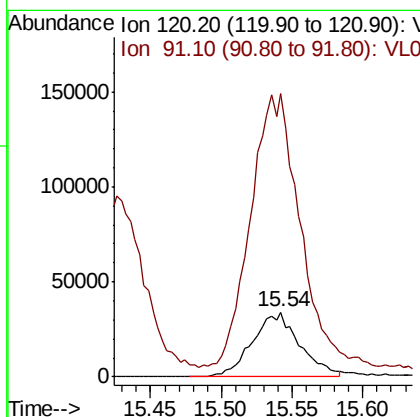
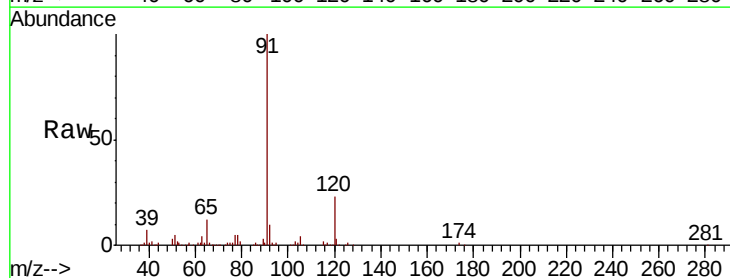
Manual Integrations
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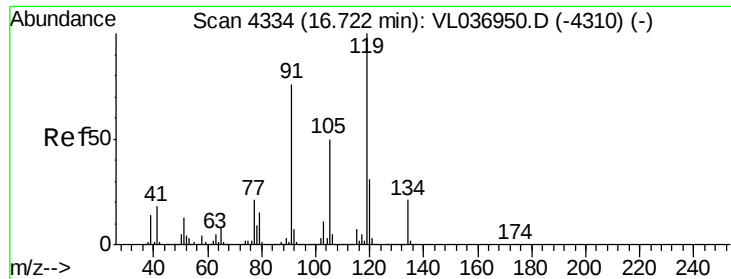
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#64
 n-propylbenzene
 Concen: 0.590 ppbv m
 RT: 15.54 min Scan# 3967
 Delta R.T. 0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Tgt Ion	Ratio	Resp	Lower	Upper
120	100	78983		
91	505.2	343.8	515.6	





#65

tert-Butylbenzene

Concen: 0.624 ppbv

RT: 16.72 min Scan# 4332

Delta R.T. -0.01 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

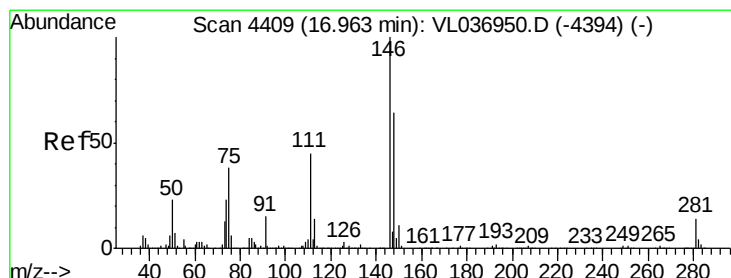
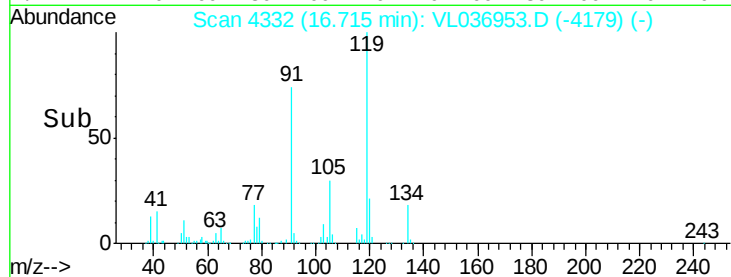
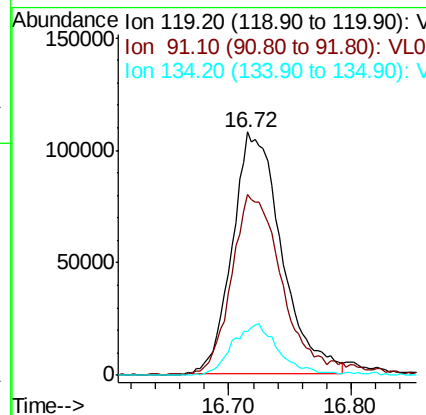
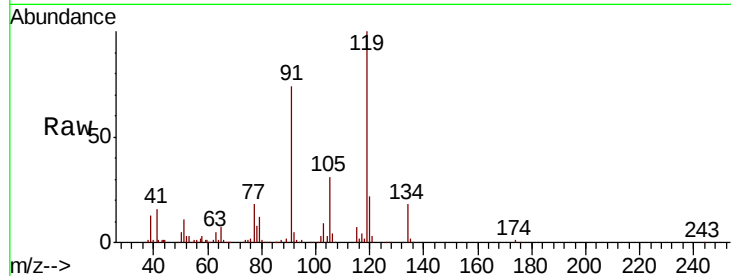
ClientSampled :

VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	299216		
91	80.5	61.9	92.9	
134	21.2	16.2	24.4	

Manual Integrations
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#66

Benzyl Chloride

Concen: 0.302 ppbv m

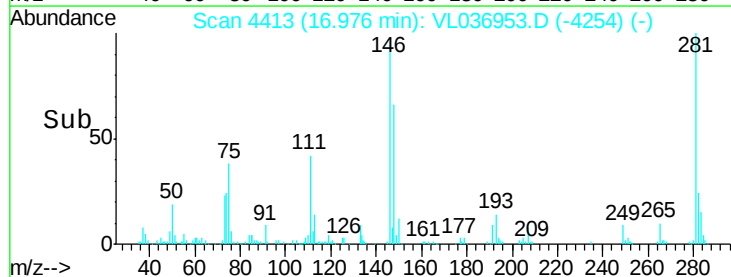
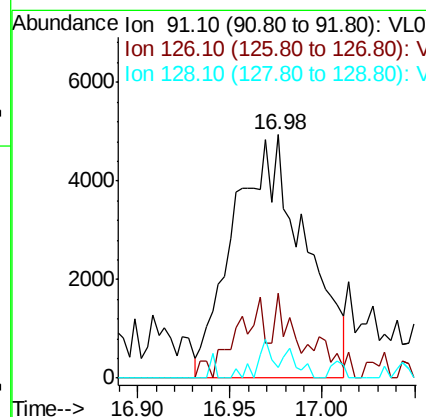
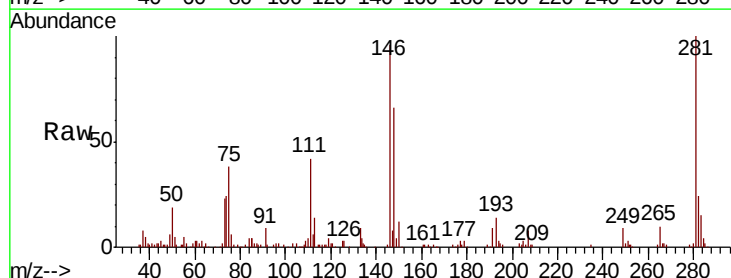
RT: 16.98 min Scan# 4413

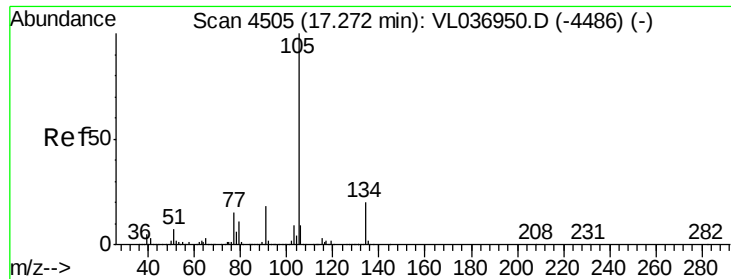
Delta R.T. 0.01 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	13197		
126	30.2	16.5	24.7#	
128	6.6	5.5	8.3	





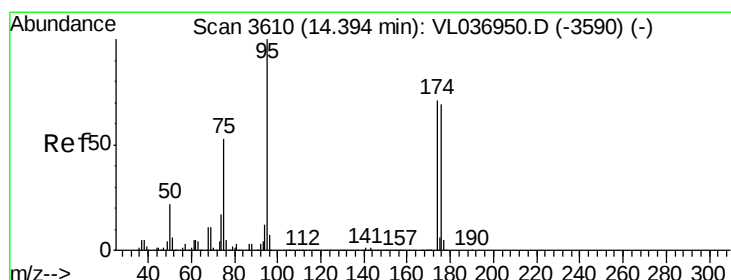
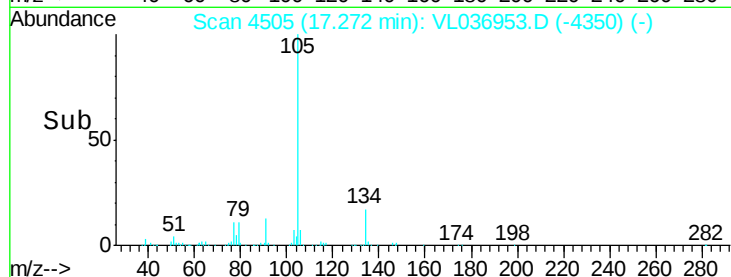
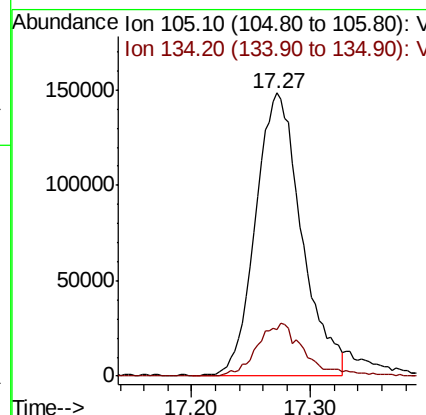
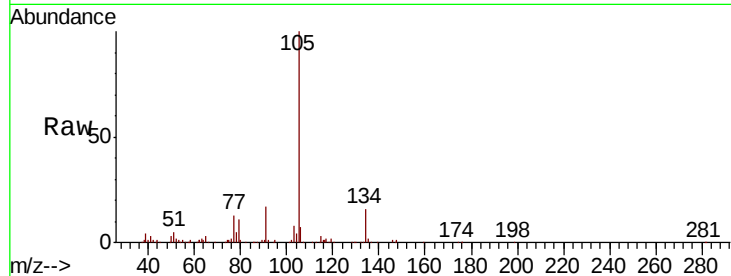
#67
 sec-Butylbenzene
 Concen: 0.588 ppbv
 RT: 17.27 min Scan# 4505
 Delta R.T. -0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	15.6	23.4

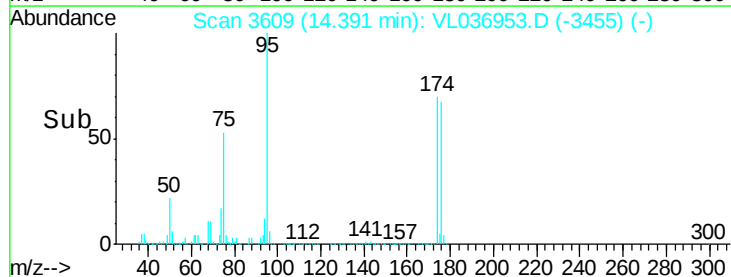
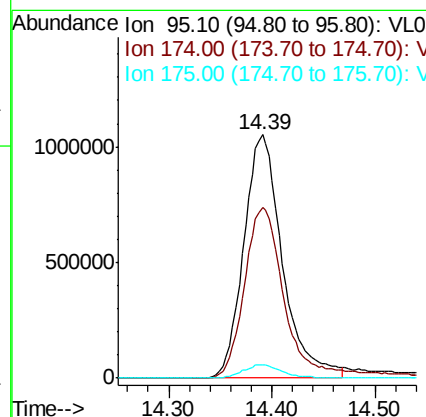
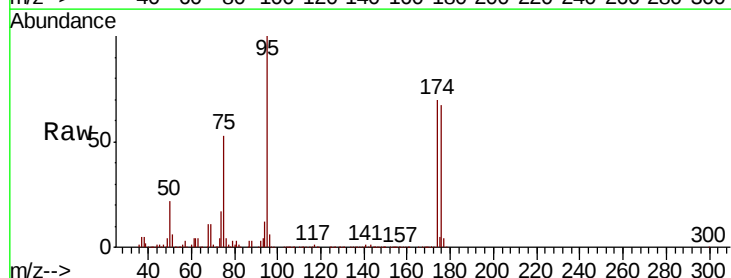
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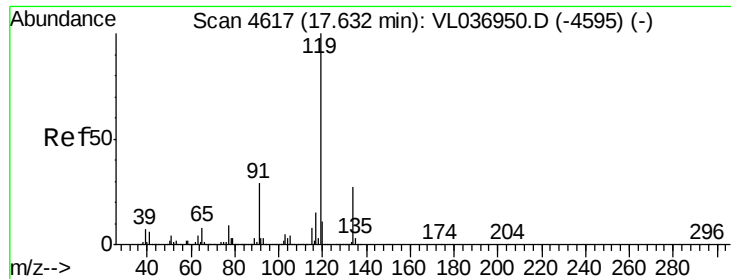
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.574 ppbv
 RT: 14.39 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.9	58.4	87.6
175	5.6	4.4	6.6





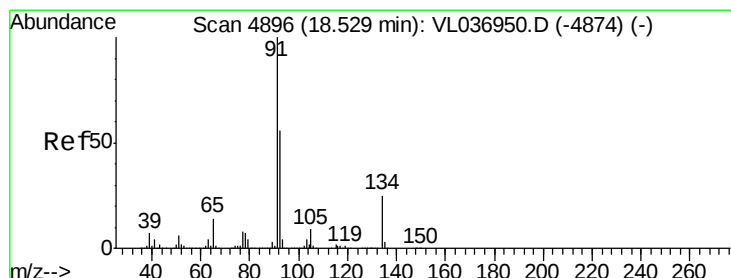
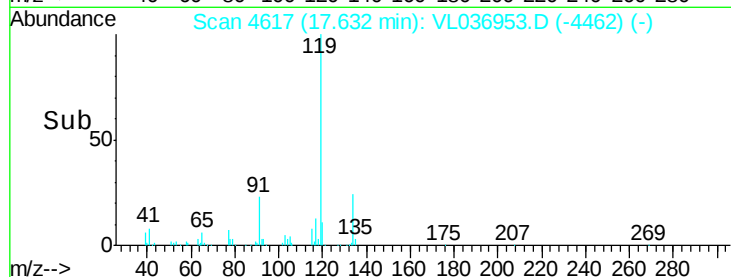
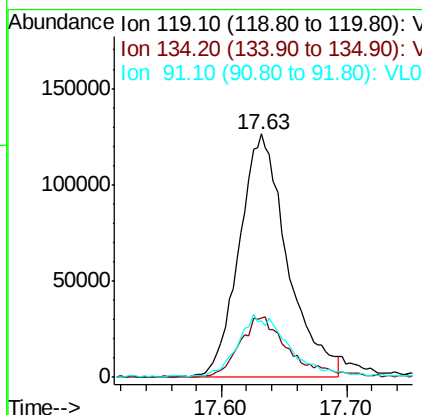
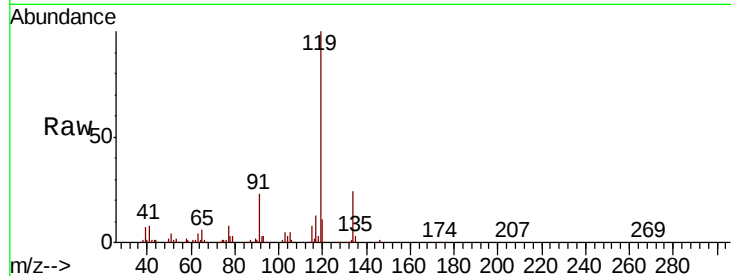
#69
 p-Isopropyltoluene
 Concen: 0.651 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T. -0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	335700		
134	26.7		21.2	31.8
91	27.3		22.2	33.4

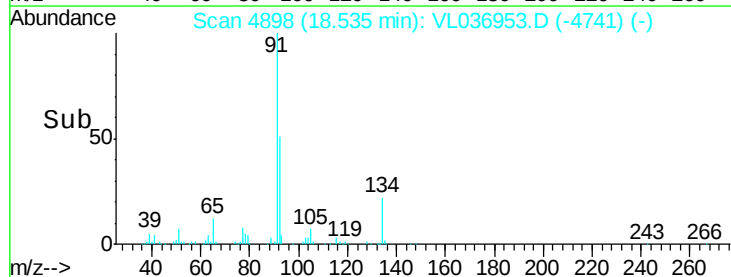
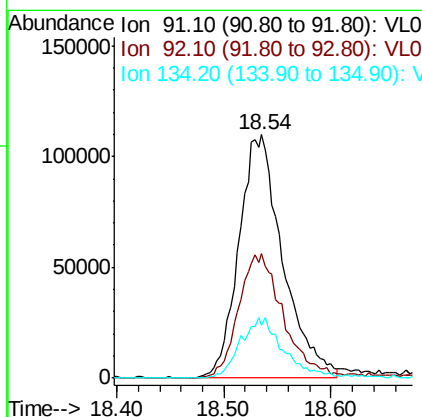
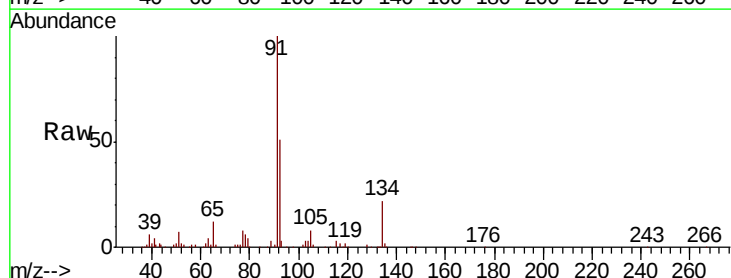
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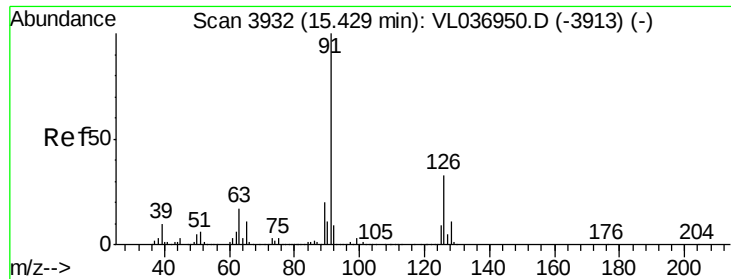
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#70
 n-Butylbenzene
 Concen: 0.606 ppbv m
 RT: 18.54 min Scan# 4898
 Delta R.T. 0.01 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	313204		
92	0.0		44.6	66.8#
134	0.0		20.2	30.2#





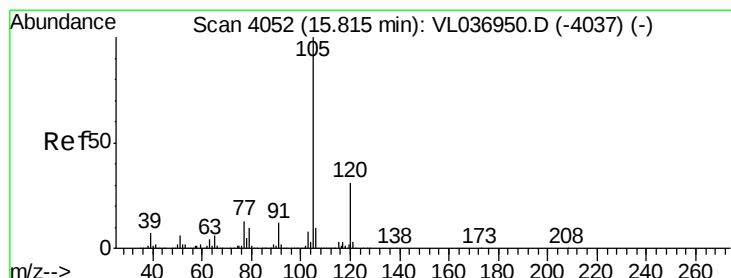
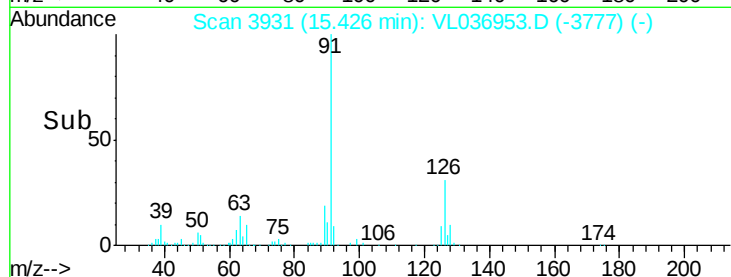
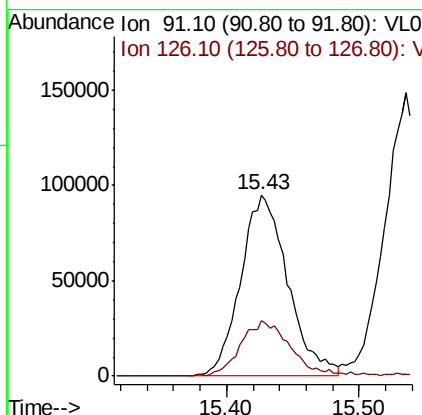
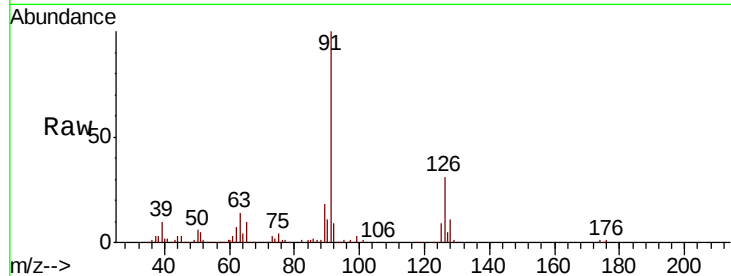
#71
 2-Chlorotoluene
 Concen: 0.606 ppbv
 RT: 15.43 min Scan# 3931
 Delta R.T. -0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 91 Resp: 234600
 Ion Ratio Lower Upper
 91 100
 126 33.2 13.1 52.5

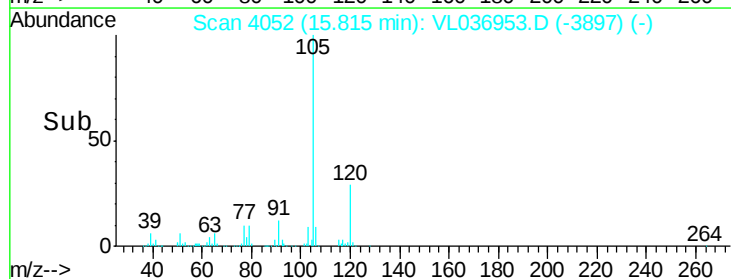
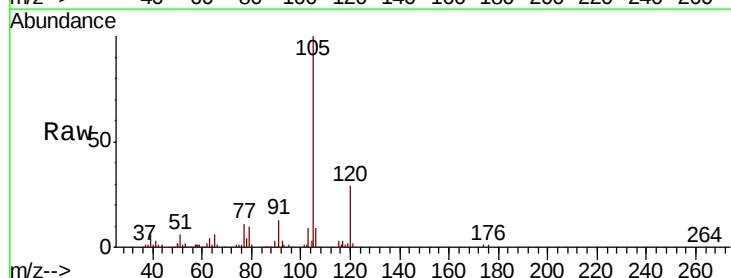
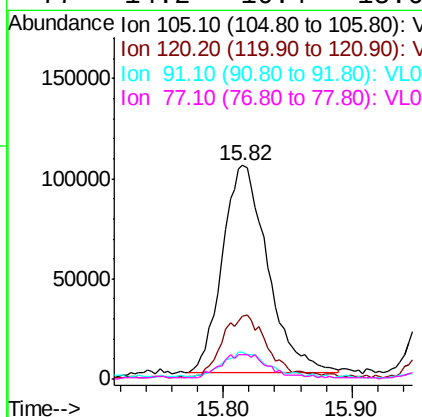
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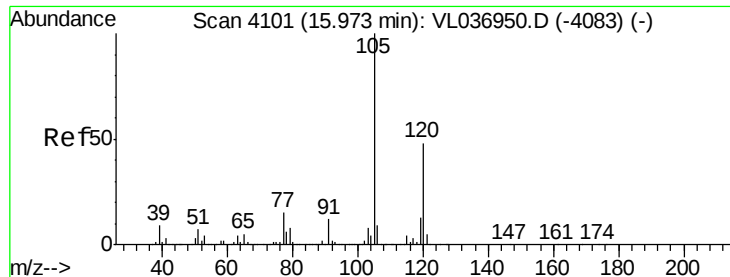
MMDadoda
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#72
 4-Ethyltoluene
 Concen: 0.618 ppbv
 RT: 15.82 min Scan# 4052
 Delta R.T. -0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Tgt Ion: 105 Resp: 253832
 Ion Ratio Lower Upper
 105 100
 120 34.3 24.6 37.0
 91 13.4 9.8 14.6
 77 14.2 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 0.647 ppbv m

RT: 15.97 min Scan# 4100

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampled :

VSTDIC0.5

Tot Ion:105 Resp: 260031

Ion Ratio Lower Upper

105 100

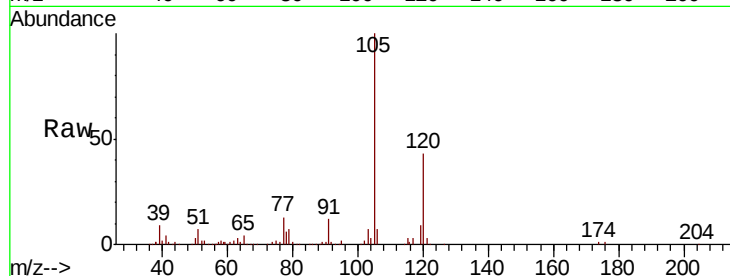
120 42.6 38.6 58.0

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.97

100000

80000

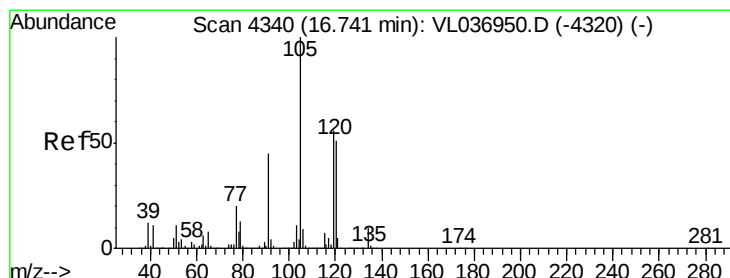
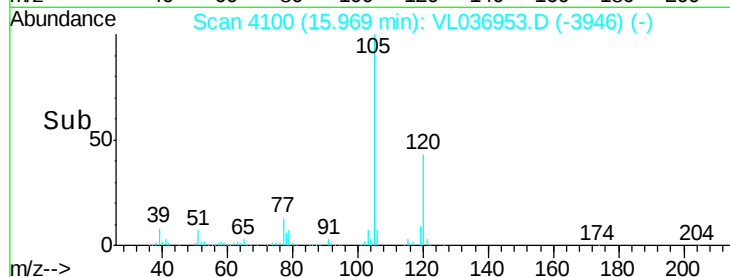
60000

40000

20000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 0.564 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Tgt Ion:105 Resp: 248533

Ion Ratio Lower Upper

105 100

120 41.9 40.6 61.0

91 40.4 37.4 56.0

77 19.0 16.2 24.4

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

16.74

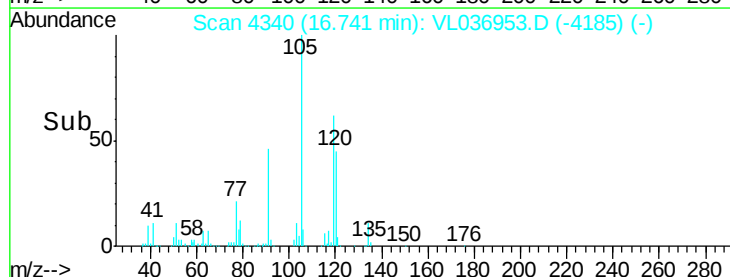
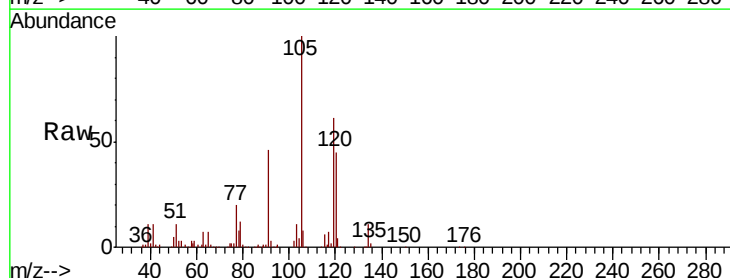
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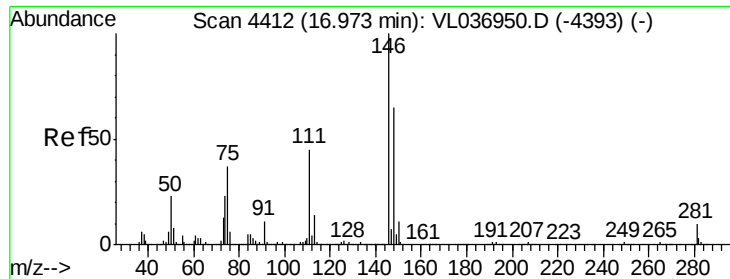
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50000

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Time-->





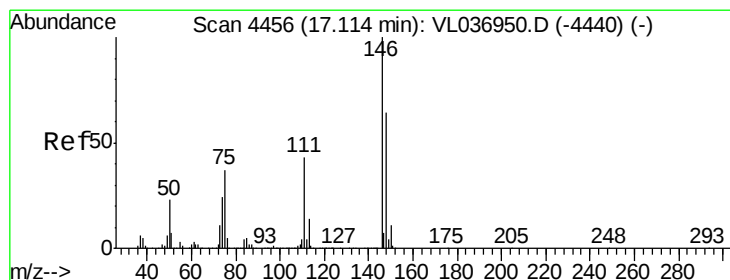
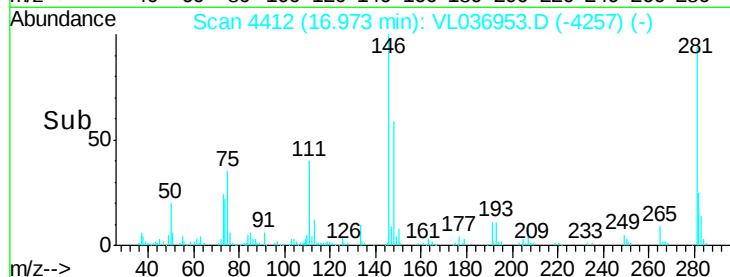
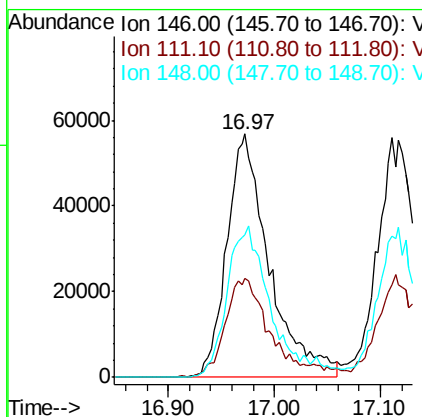
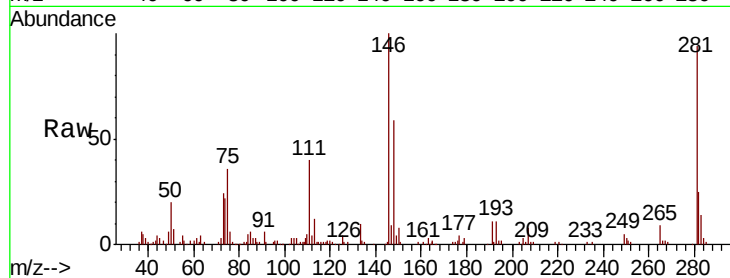
#75
 1,3-Dichlorobenzene
 Concen: 0.552 ppbv m
 RT: 16.97 min Scan# 4412
 Delta R.T. -0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.2	66.6
148	64.7	32.3	96.8

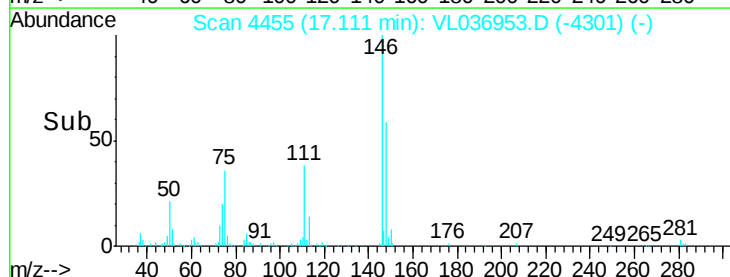
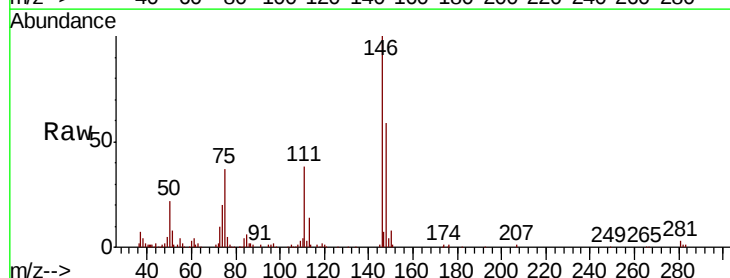
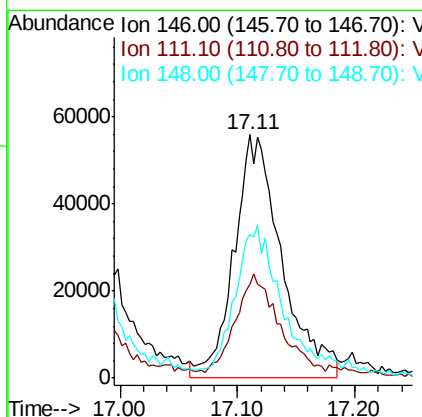
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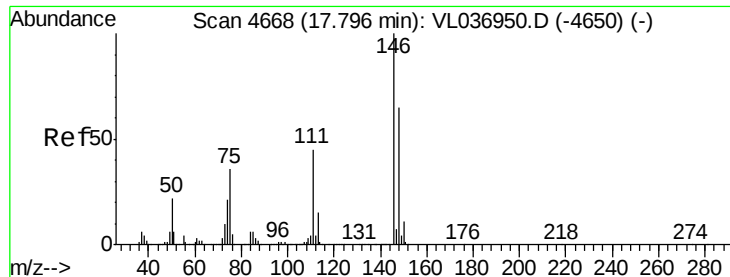
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#76
 1,4-Dichlorobenzene
 Concen: 0.620 ppbv m
 RT: 17.11 min Scan# 4455
 Delta R.T. -0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.6	67.7#
148	0.0	33.5	100.5#





#77

1,2-Dichlorobenzene

Concen: 0.616 ppbv m

RT: 17.80 min Scan# 4669

Delta R.T. 0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

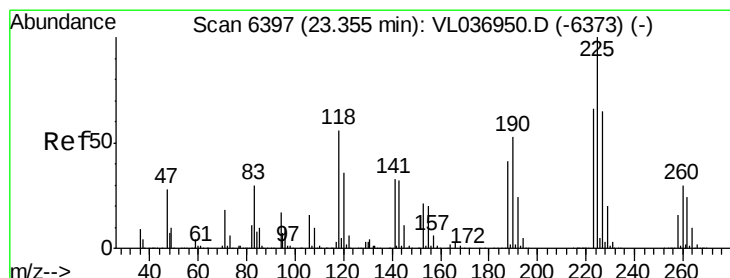
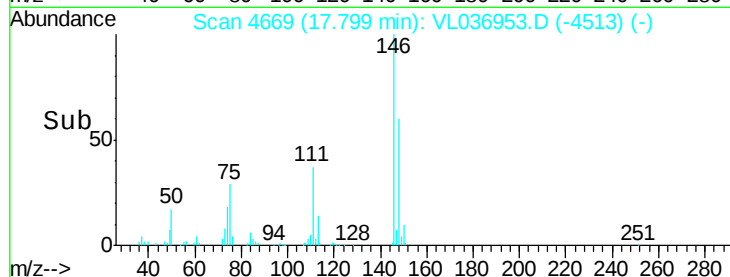
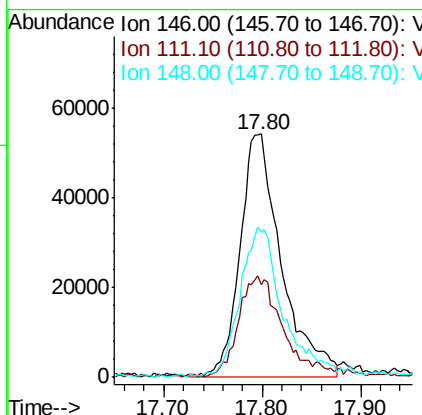
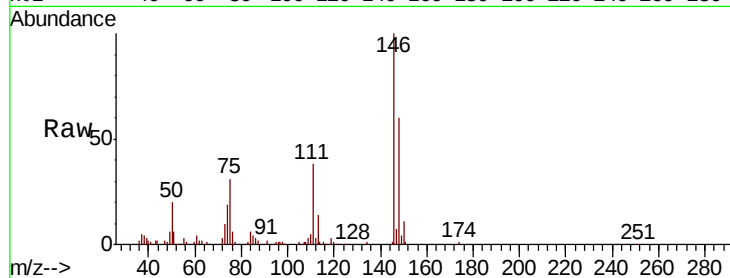
ClientSampleId :

VSTDIC0.5

Tot Ion:	146	Resp:	159560
Ion Ratio	Lower	Upper	
146	100		
111	46.2	23.1	69.2
148	64.8	32.5	97.4

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5/20/2021 5:54:18 PM



#78

Hexachloro-1,3-Butadiene

Concen: 0.608 ppbv m

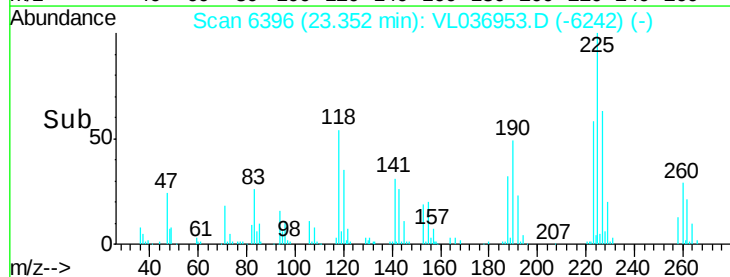
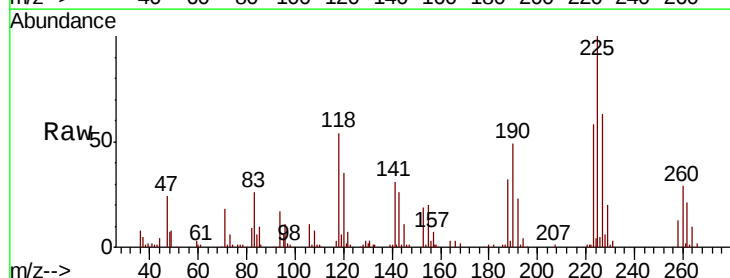
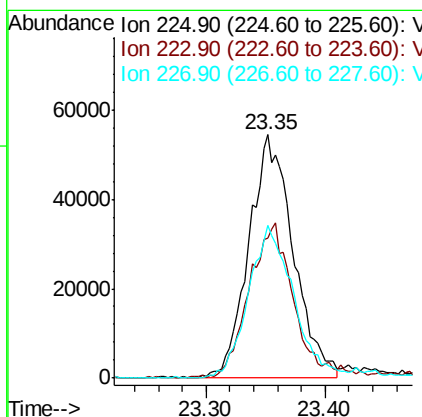
RT: 23.35 min Scan# 6396

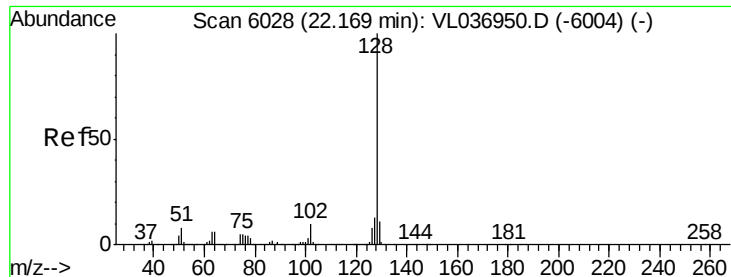
Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Tgt Ion:	225	Resp:	140611
Ion Ratio	Lower	Upper	
225	100		
223	0.0	51.9	77.9#
227	66.7	51.8	77.6





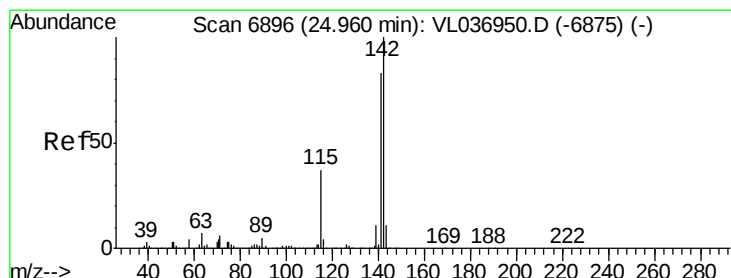
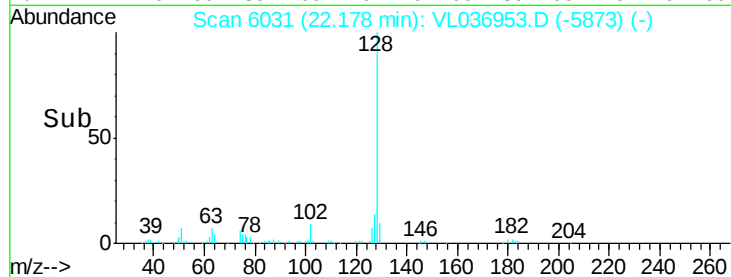
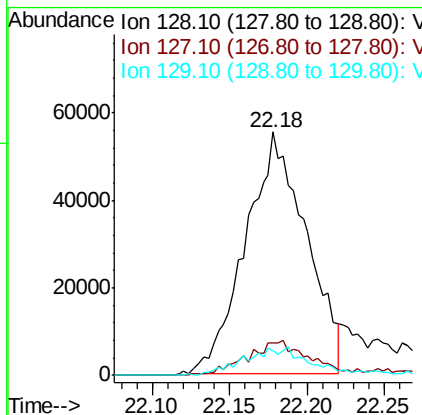
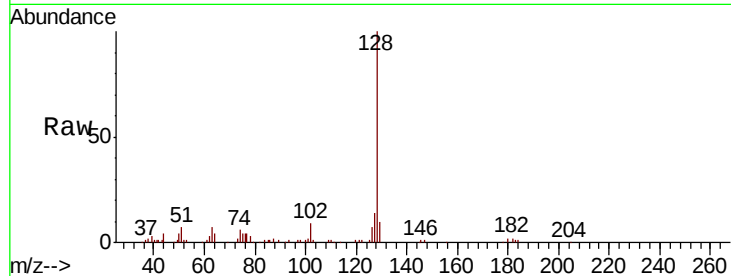
#79
Naphthalene
Concen: 0.752 ppbv
RT: 22.18 min Scan# 6031
Delta R.T. 0.01 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	9.4	9.0	13.6

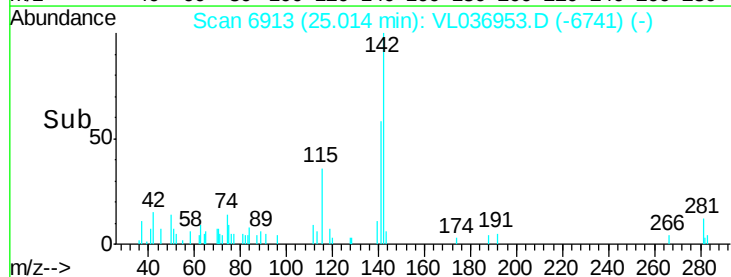
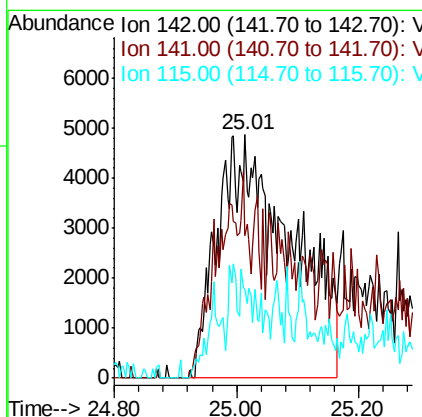
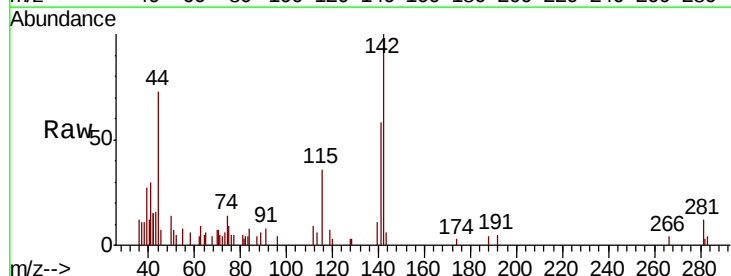
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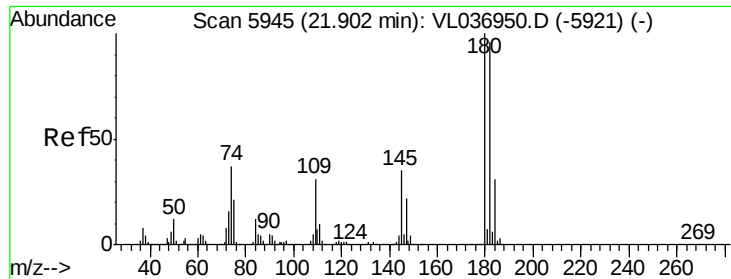
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#80
Naphthalene, 2-methyl-
Concen: 1.378 ppbv m
RT: 25.01 min Scan# 6913
Delta R.T. 0.05 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Tgt Ion	Ratio	Lower	Upper
142	100		
141	48.2	69.3	103.9#
115	20.1	29.1	43.7#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.756 ppbv m
 RT: 21.90 min Scan# 5946
 Delta R.T. 0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	81.7	122.5#
184	32.2	24.9	37.3

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