

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036952.D
 Acq On : 18 May 2021 3:16
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 5/20/2021 5:54:16 PM

Quant Time: May 18 11:44:28 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	1343541	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3960223	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3791035	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2816128	9.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	272101	1.187	ppbv	100
3) Chlorodifluoromethane	2.97	51	272394	1.032	ppbv	99
4) Chloromethane	3.13	50	90786	1.052	ppbv	95
5) Vinyl Chloride	3.24	62	91398	0.972	ppbv	98
6) Bromomethane	3.46	94	51309m	1.082	ppbv	
7) Chloroethane	3.55	64	29162	0.963	ppbv #	87
8) Dichlorotetrafluoroethane	3.17	85	242178	1.120	ppbv	100
9) Propene	2.99	41	94335	1.253	ppbv	95
10) Heptane	8.10	43	242694	1.354	ppbv	99
11) Trichlorofluoromethane	3.93	101	230958	1.120	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	160740	1.153	ppbv	100
13) Ethanol	3.63	45	13262m	0.928	ppbv	
14) Bromoethene	3.72	108	73985m	1.323	ppbv	
15) Acetone	3.84	43	165289m	1.310	ppbv	
16) 1,3-Butadiene	3.31	39	88679	1.086	ppbv	96
17) tert-Butyl alcohol	4.30	59	134898	1.157	ppbv #	94
18) 1,1-Dichloroethene	4.27	96	77523m	1.354	ppbv	
19) Isopropyl Alcohol	3.98	45	80401m	1.118	ppbv	
20) Methylene Chloride	4.33	84	88559m	0.860	ppbv	
21) Allyl Chloride	4.39	41	110112	1.185	ppbv	100
22) trans-1,2-Dichloroethene	4.86	96	69550m	1.184	ppbv	
23) Vinyl Acetate	5.06	43	211668	1.180	ppbv #	96
24) 1,1-Dichloroethane	4.99	63	170198	1.248	ppbv	99
25) Ethyl Acetate	5.67	43	353062	1.133	ppbv	98
26) Hexane	5.67	57	188368	1.177	ppbv	98
27) Carbon Disulfide	4.53	76	184353	1.300	ppbv	97
28) Methyl tert-Butyl Ether	5.02	73	215711	1.394	ppbv	97
29) Chloroform	5.73	83	246362	1.026	ppbv	99
30) Cyclohexane	7.11	84	152132	1.242	ppbv #	68
31) cis-1,2-Dichloroethene	5.53	61	165099	1.316	ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	266475	1.041	ppbv	98
34) 2-Butanone	5.24	43	148349	0.980	ppbv #	90
35) Carbon Tetrachloride	7.00	117	268600	0.868	ppbv	94
36) Benzene	6.87	78	366622	1.152	ppbv	96
37) 1,2-Dichloroethane	6.28	62	174008	0.922	ppbv	98
38) Trichloroethene	7.81	130	142927	1.095	ppbv	98
39) 1,2-Dichloropropane	7.59	63	141107m	1.083	ppbv	
40) 1,4-Dioxane	7.86	88	37312m	1.098	ppbv	
41) Tetrahydrofuran	6.05	42	79930	1.292	ppbv	92
42) Bromodichloromethane	7.77	83	266381	0.959	ppbv	96
43) Methyl Methacrylate	8.00	69	120753	1.304	ppbv	95

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Manual Integrations
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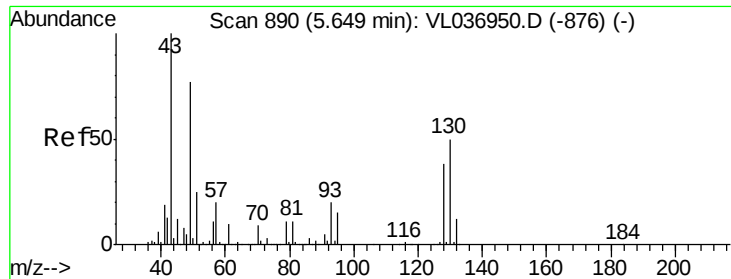
MMDadoda
 5/20/2021 5:54:16 PM

Quant Time: May 18 11:44:28 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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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.84	57	650579	1.150	ppbv	98
45) t-1,3-Dichloropropene	9.25	75	90316m	1.080	ppbv	
46) cis-1,3-Dichloropropene	8.68	75	128044	1.094	ppbv	90
47) 1,1,2-Trichloroethane	9.45	97	143472	1.004	ppbv	97
48) Dibromochloromethane	10.28	129	230980	1.074	ppbv	98
49) Bromoform	13.01	173	188447m	1.065	ppbv	
50) 4-Methyl-2-Pentanone	8.74	43	235217	1.135	ppbv	96
51) 2-Hexanone	10.14	43	132024m	1.495	ppbv	
52) Tetrachloroethene	11.20	164	148673	1.271	ppbv	98
53) Toluene	9.78	91	436197	1.375	ppbv	100
54) 1,2-Dibromoethane	10.59	107	206626	1.107	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.10	131	173357	0.995	ppbv #	1
57) Chlorobenzene	12.12	112	328955	1.028	ppbv	94
58) Ethyl Benzene	12.69	91	577287	1.281	ppbv	95
59) m/p-Xylene	12.97	91	979314m	2.312	ppbv	
60) o-Xylene	13.67	91	472865	1.154	ppbv	100
61) Styrene	13.50	104	242508	1.442	ppbv	96
62) Isopropylbenzene	14.64	105	673104	1.205	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	308078	0.796	ppbv	98
64) n-propylbenzene	15.54	120	165732	1.199	ppbv	75
65) tert-Butylbenzene	16.72	119	607517	1.226	ppbv	98
66) Benzyl Chloride	16.96	91	31249m	0.693	ppbv	
67) sec-Butylbenzene	17.27	105	841652	1.203	ppbv	98
69) p-Isopropyltoluene	17.63	119	717857	1.348	ppbv	99
70) n-Butylbenzene	18.53	91	656757	1.230	ppbv	98
71) 2-Chlorotoluene	15.43	91	469249	1.175	ppbv	99
72) 4-Ethyltoluene	15.82	105	543015	1.280	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	493390	1.190	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	545399	1.198	ppbv	91
75) 1,3-Dichlorobenzene	16.97	146	309974	1.050	ppbv	97
76) 1,4-Dichlorobenzene	17.11	146	327896m	1.243	ppbv	
77) 1,2-Dichlorobenzene	17.79	146	324278m	1.213	ppbv	
78) Hexachloro-1,3-Butadiene	23.36	225	269289	1.128	ppbv	97
79) Naphthalene	22.18	128	385227	1.873	ppbv	97
80) Naphthalene, 2-methyl-	24.97	142	76149m	2.526	ppbv	
81) 1,2,4-Trichlorobenzene	21.91	180	240117m	1.631	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.00 min

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MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 1343541

Ion Ratio Lower Upper

49 100

128 54.6 26.9 80.7

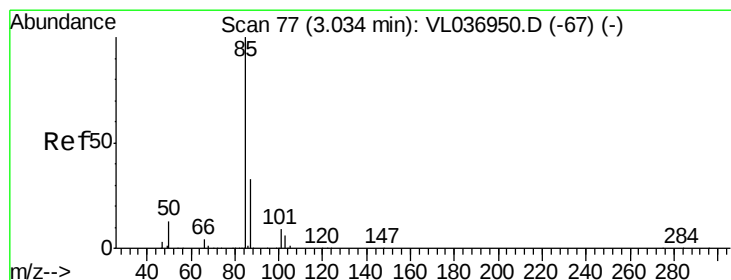
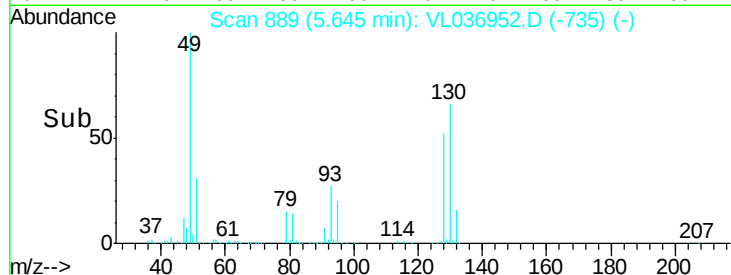
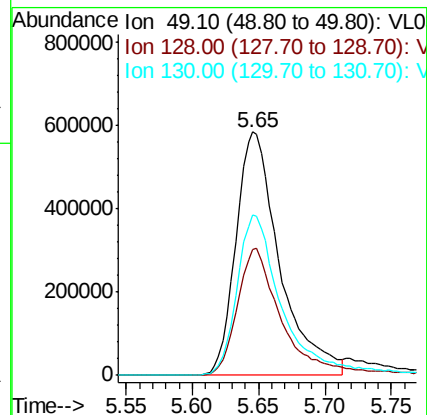
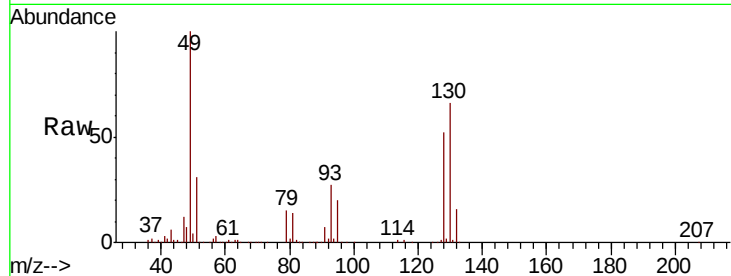
130 70.3 33.8 101.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 1.187 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.00 min

Lab File: VL036952.D

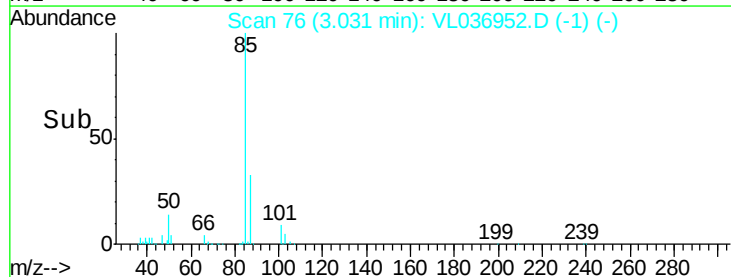
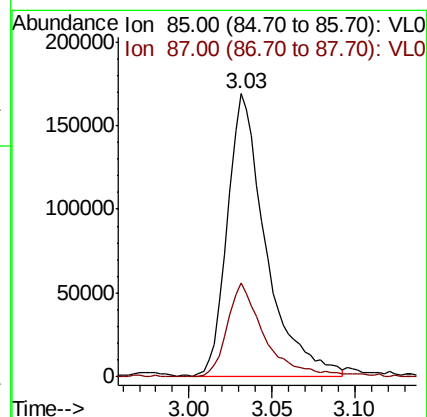
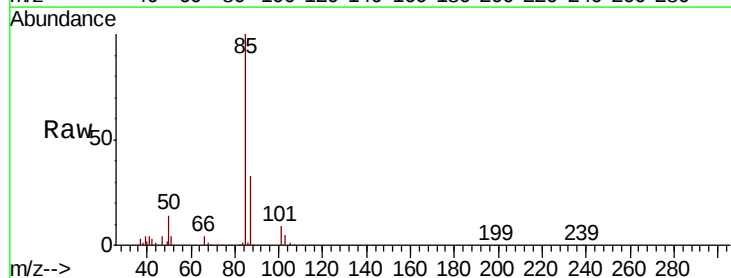
Acq: 18 May 2021 3:16

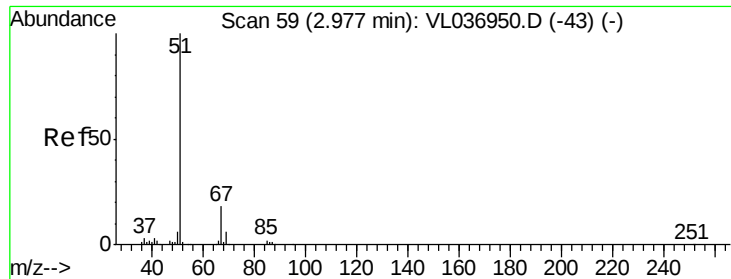
Tgt Ion: 85 Resp: 272101

Ion Ratio Lower Upper

85 100

87 33.1 26.6 39.8





#3

Chlorodifluoromethane

Concen: 1.032 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL036952.D

Acq: 18 May 2021 3:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 51 Resp: 272394

Ion Ratio Lower Upper

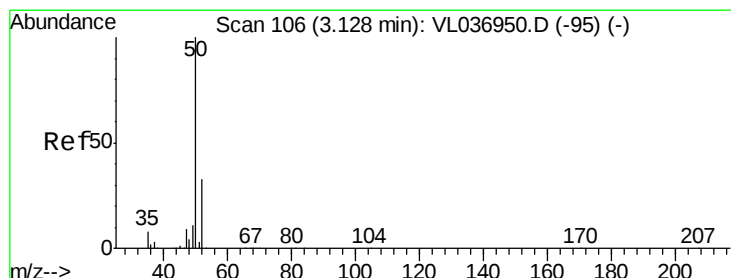
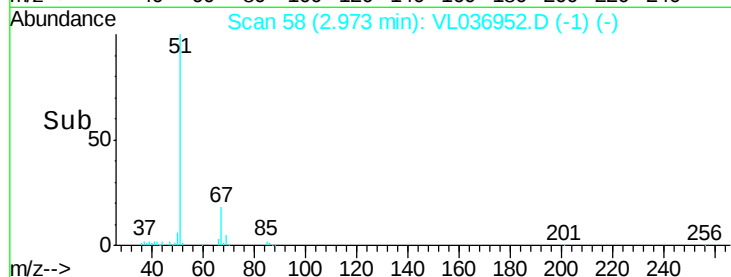
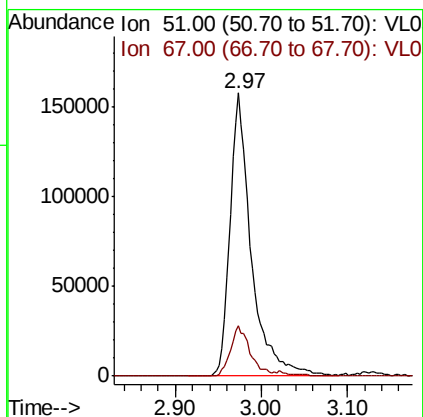
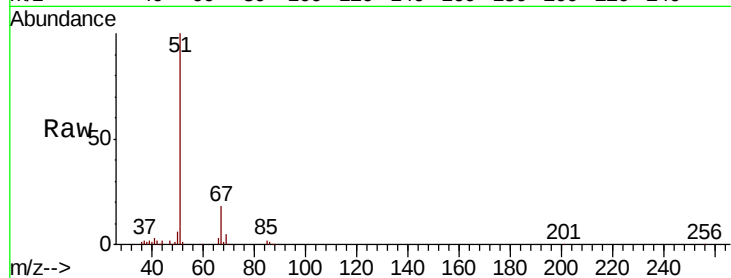
51 100

67 17.8 14.6 21.8

Manual Integrations
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#4

Chloromethane

Concen: 1.052 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL036952.D

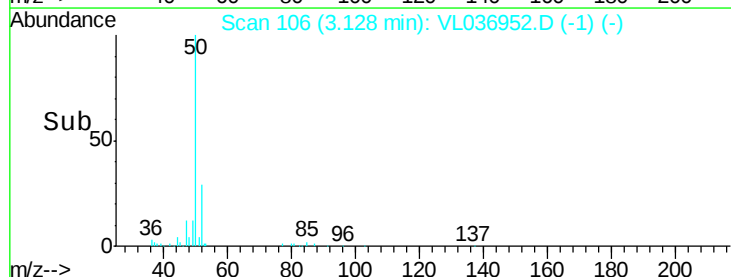
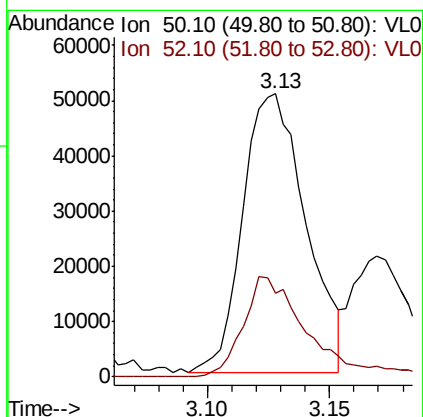
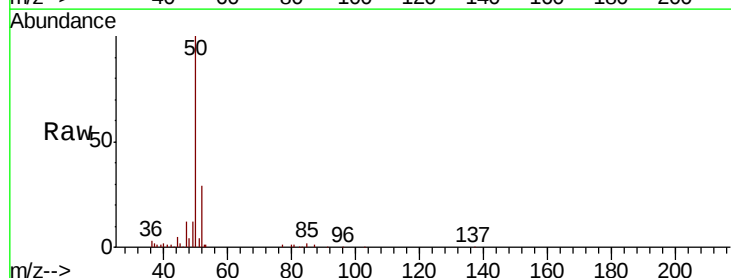
Acq: 18 May 2021 3:16

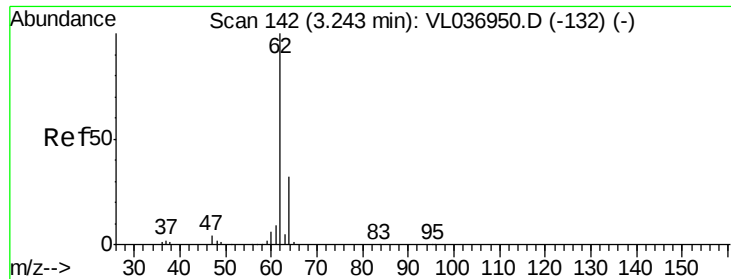
Tgt Ion: 50 Resp: 90786

Ion Ratio Lower Upper

50 100

52 29.8 26.1 39.1





#5

Vinyl Chloride

Concen: 0.972 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.00 min

Lab File: VL036952.D

Acq: 18 May 2021 3:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 91398

Ion Ratio Lower Upper

62 100

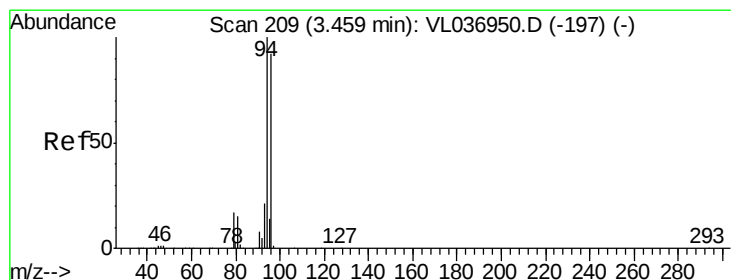
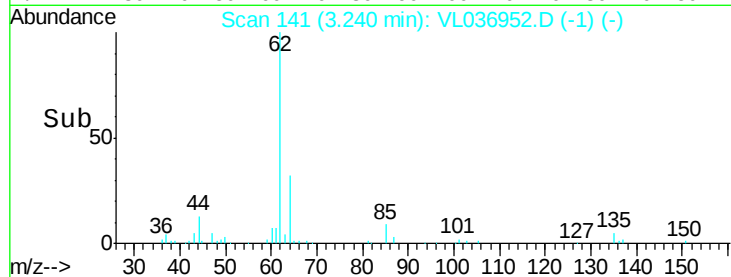
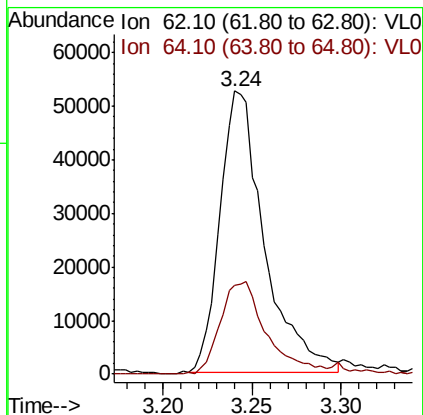
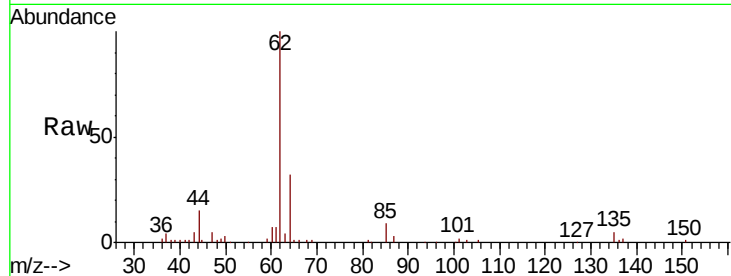
64 31.3 25.9 38.9

Manual Integrations

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#6

Bromomethane

Concen: 1.082 ppbv m

RT: 3.46 min Scan# 208

Delta R.T. -0.00 min

Lab File: VL036952.D

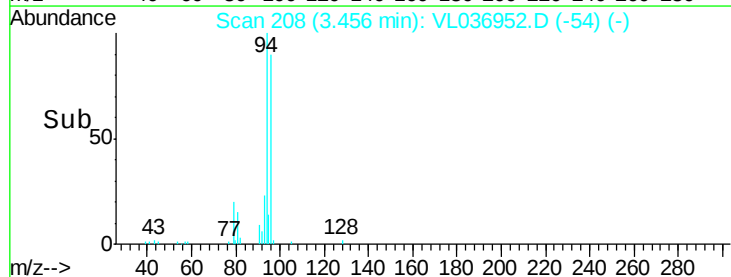
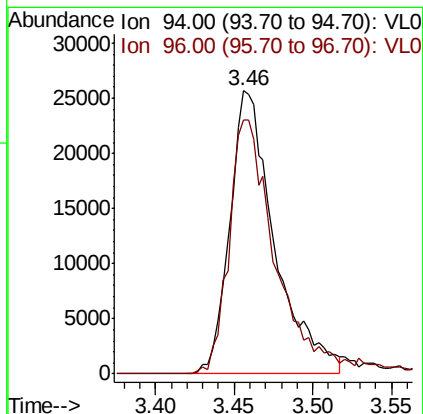
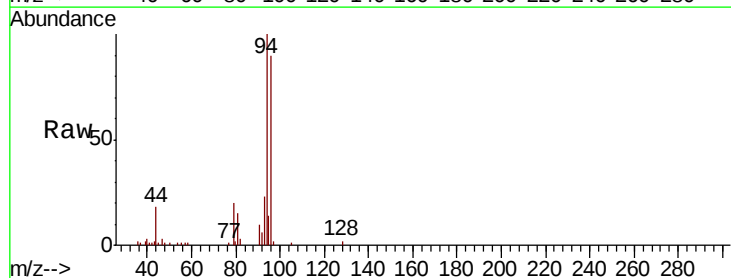
Acq: 18 May 2021 3:16

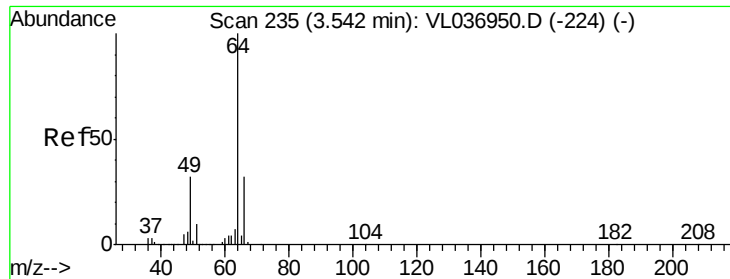
Tgt Ion: 94 Resp: 51309

Ion Ratio Lower Upper

94 100

96 89.7 74.0 111.0





#7

Chloroethane

Concen: 0.963 ppbv

RT: 3.55 min Scan# 236

Delta R.T. 0.00 min

Lab File: VL036952.D

Acq: 18 May 2021 3:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 29162

Ion Ratio Lower Upper

64 100

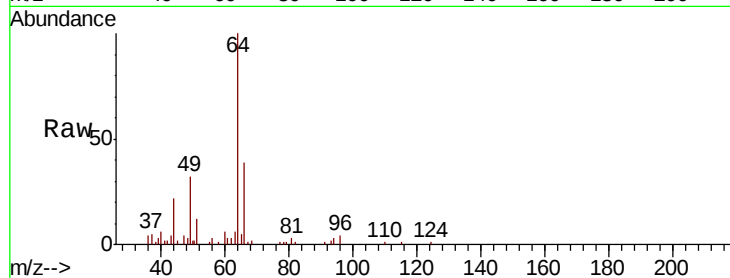
66 39.2 25.4 38.2#

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

20000

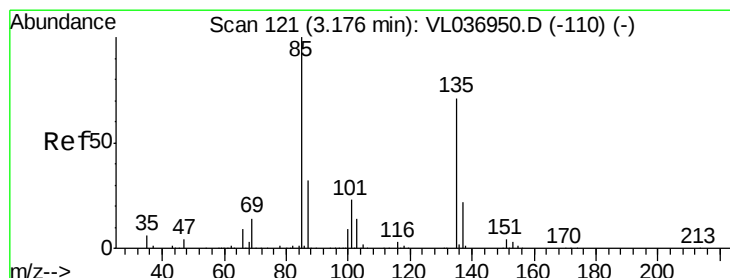
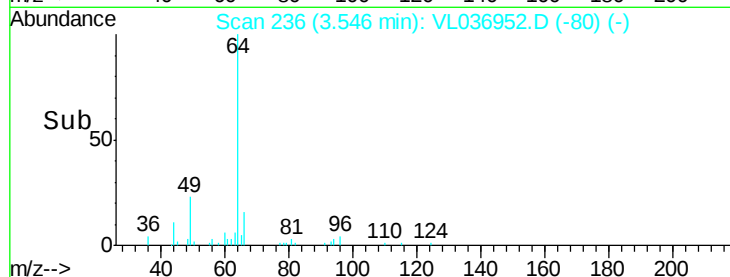
15000

10000

5000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 1.120 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.00 min

Lab File: VL036952.D

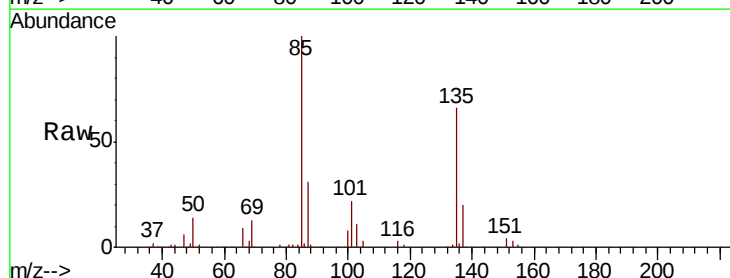
Acq: 18 May 2021 3:16

Tgt Ion: 85 Resp: 242178

Ion Ratio Lower Upper

85 100

135 71.9 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

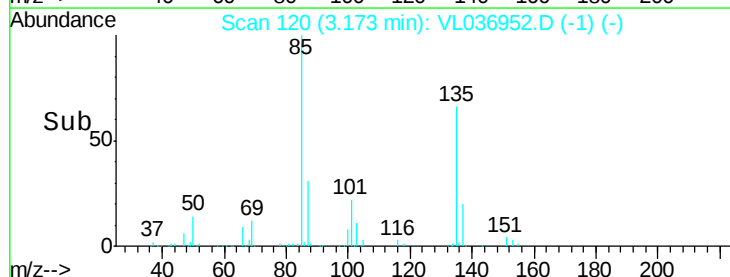
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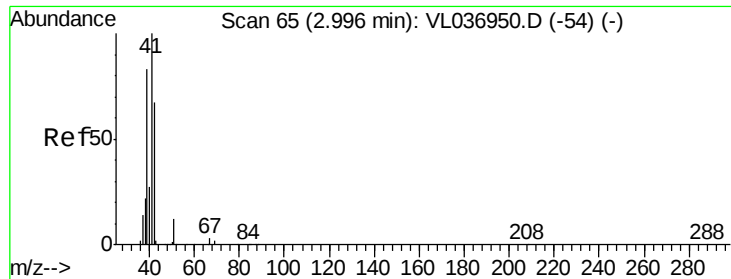
100000

50000

0

Time-->





#9

Propene

Concen: 1.253 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL036952.D

Acq: 18 May 2021 3:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 94335

Ion Ratio Lower Upper

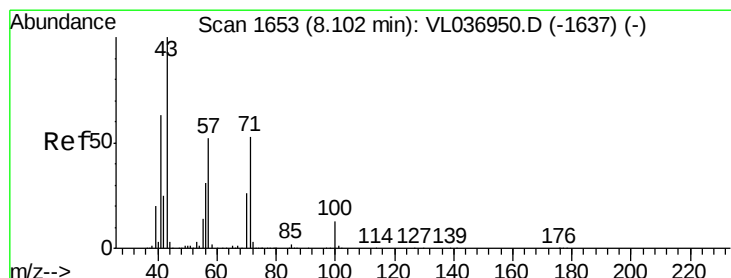
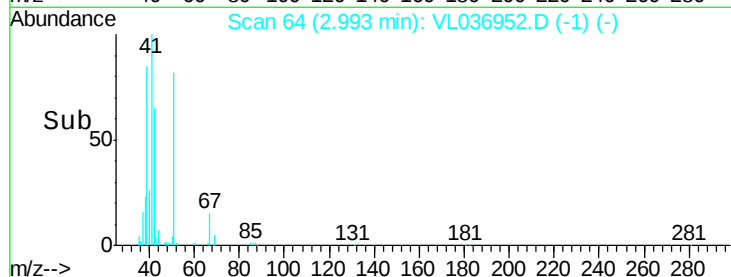
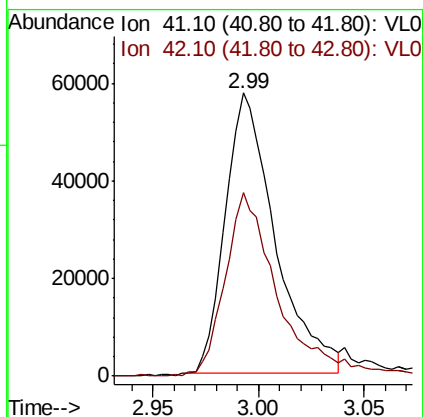
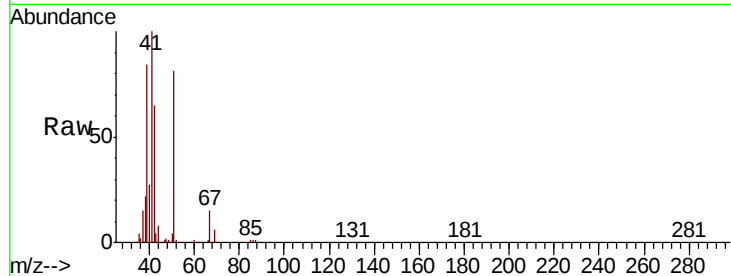
41 100

42 71.3 53.9 80.9

Manual Integrations
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#10

Heptane

Concen: 1.354 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL036952.D

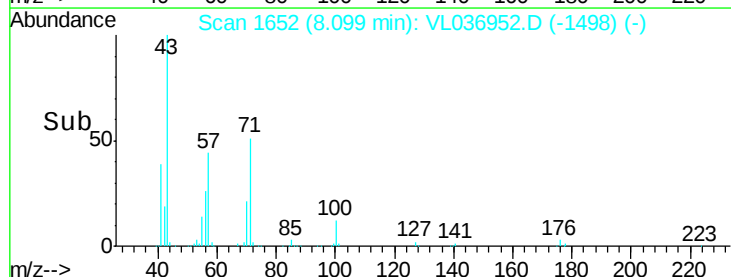
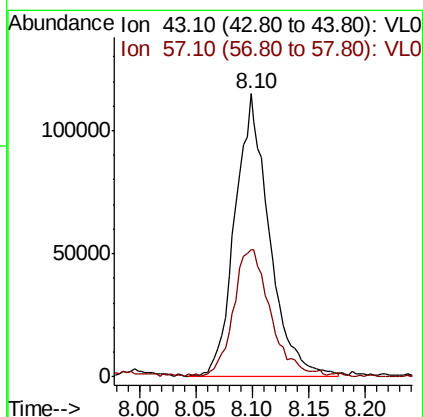
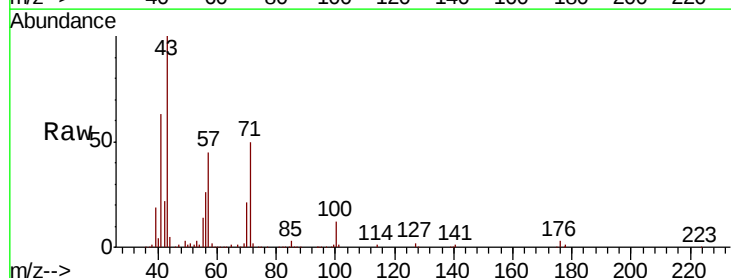
Acq: 18 May 2021 3:16

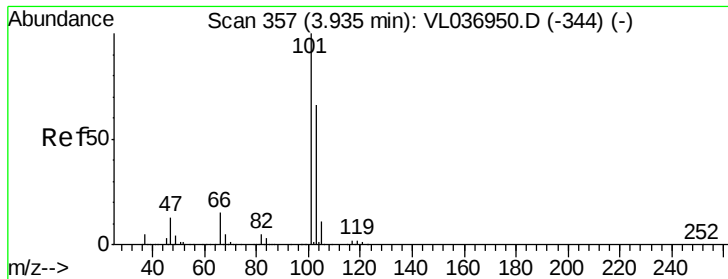
Tgt Ion: 43 Resp: 242694

Ion Ratio Lower Upper

43 100

57 50.3 41.0 61.6





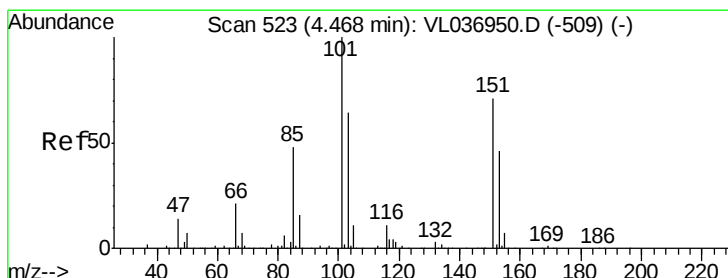
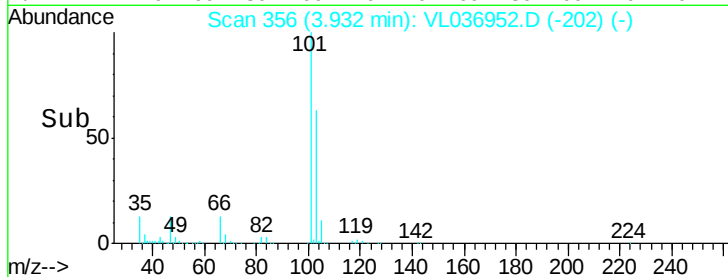
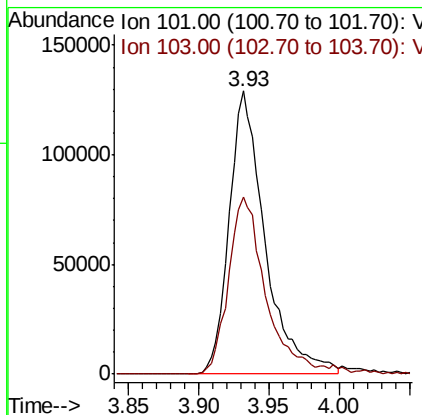
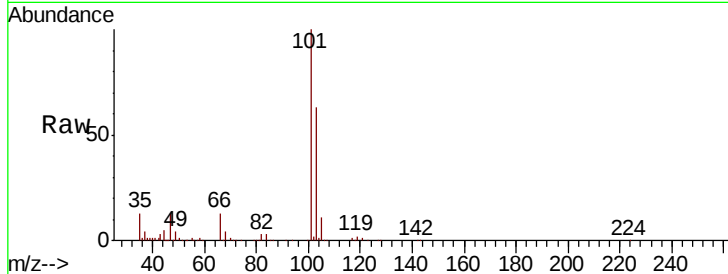
#11
 Trichlorofluoromethane
 Concen: 1.120 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. -0.00 min
 Lab File: VL036952.D
 Acq: 18 May 2021 3:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	52.6	79.0

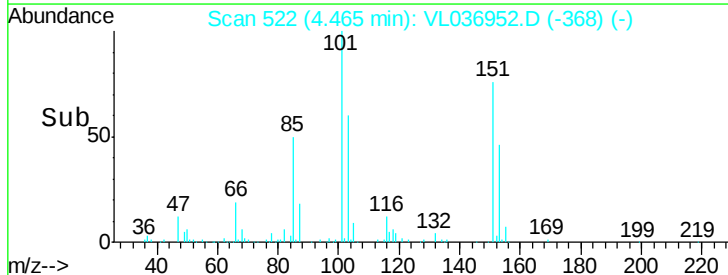
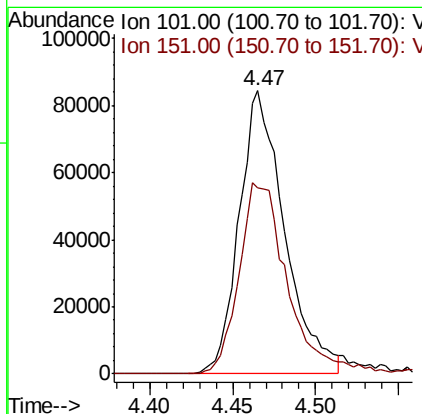
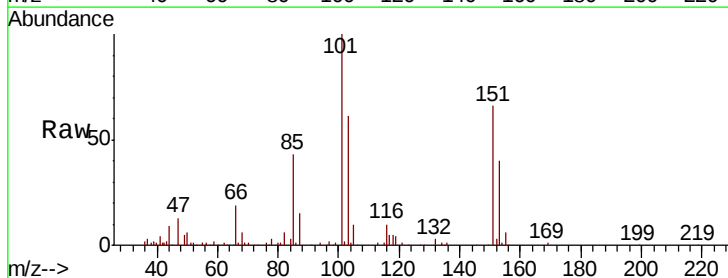
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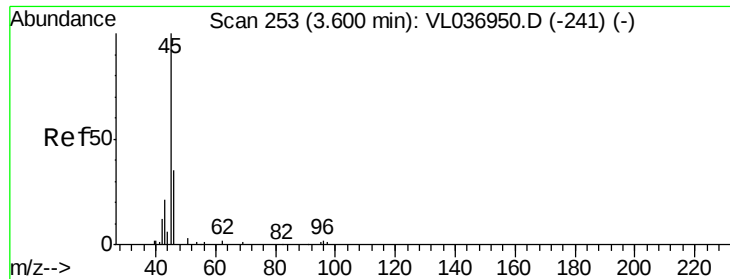
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.153 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. -0.00 min
 Lab File: VL036952.D
 Acq: 18 May 2021 3:16

Tgt Ion	Ratio	Lower	Upper
101	100		
151	71.9	57.7	86.5





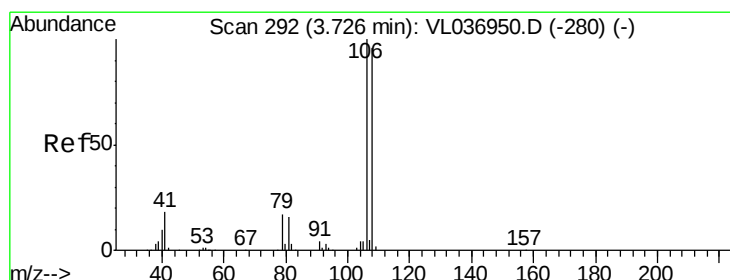
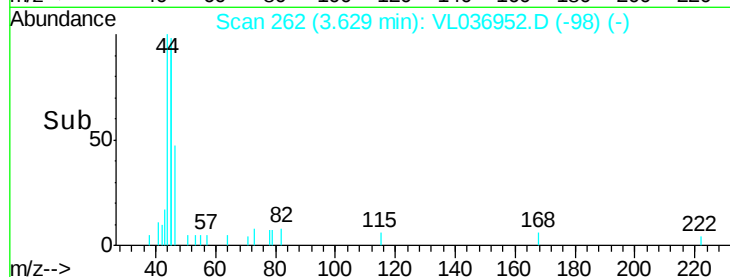
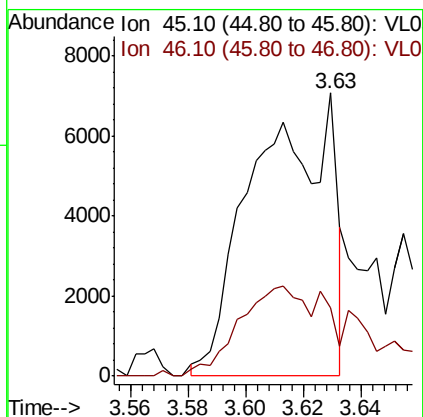
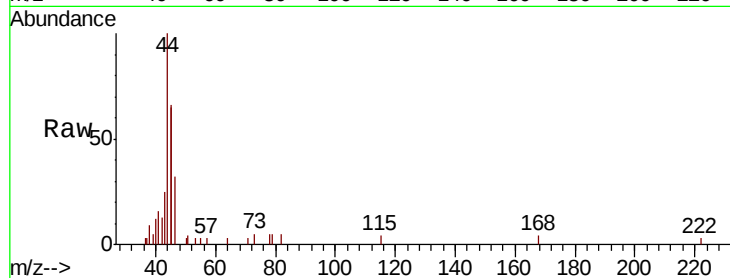
#13
Ethanol
Concen: 0.928 ppbv m
RT: 3.63 min Scan# 262
Delta R.T. 0.03 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 45 Resp: 13262
Ion Ratio Lower Upper
45 100
46 53.1 16.3 65.3

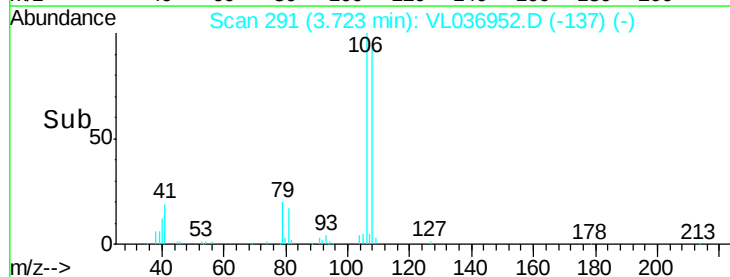
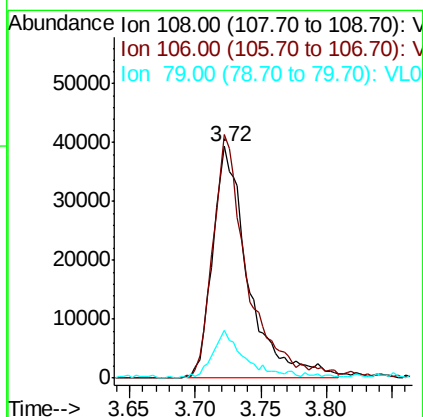
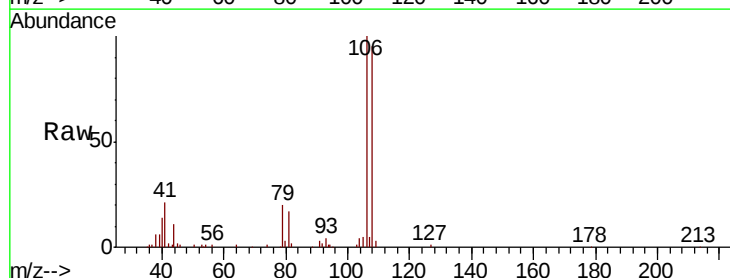
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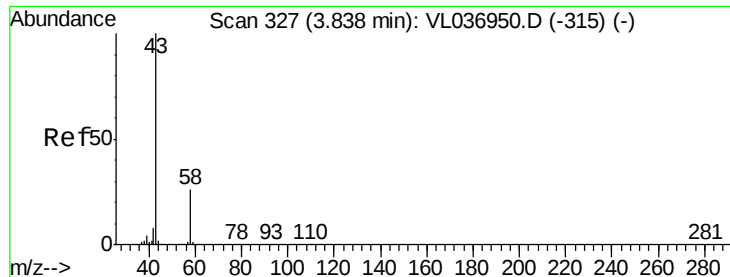
MMDadoda
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#14
Bromoethene
Concen: 1.323 ppbv m
RT: 3.72 min Scan# 291
Delta R.T. -0.00 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Tgt Ion: 108 Resp: 73985
Ion Ratio Lower Upper
108 100
106 105.0 86.5 129.7
79 20.1 15.0 22.4





#15

Acetone

Concen: 1.310 ppbv m

RT: 3.84 min Scan# 329

Delta R.T. 0.01 min

Lab File: VL036952.D

Acq: 18 May 2021 3:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 165289

Ion Ratio Lower Upper

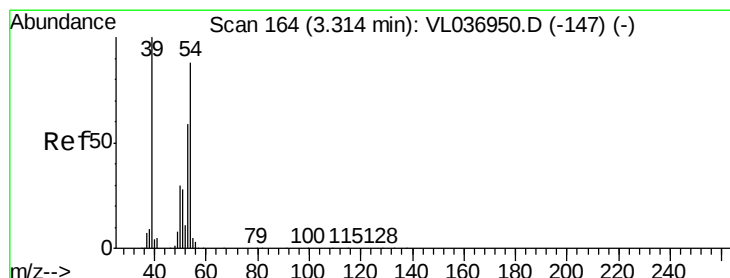
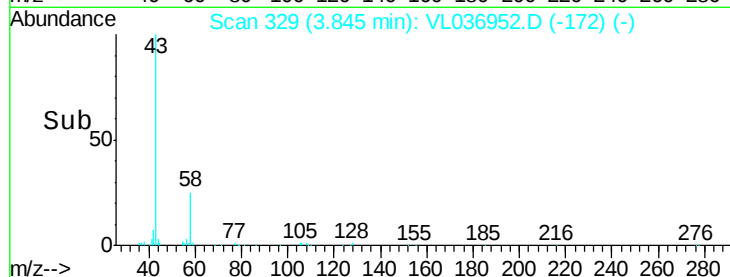
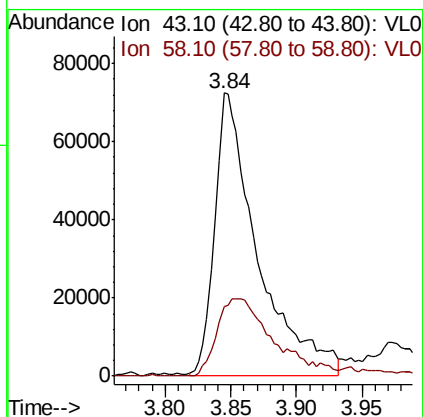
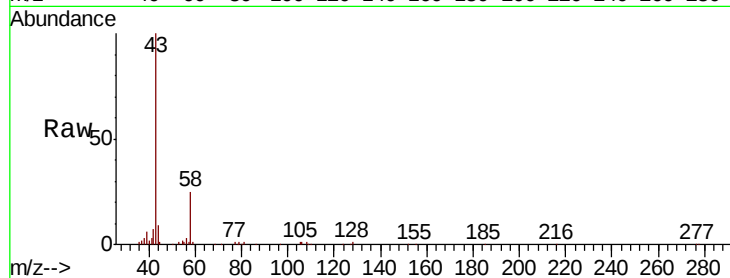
43 100

58 39.1 24.0 36.0#

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#16

1,3-Butadiene

Concen: 1.086 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.00 min

Lab File: VL036952.D

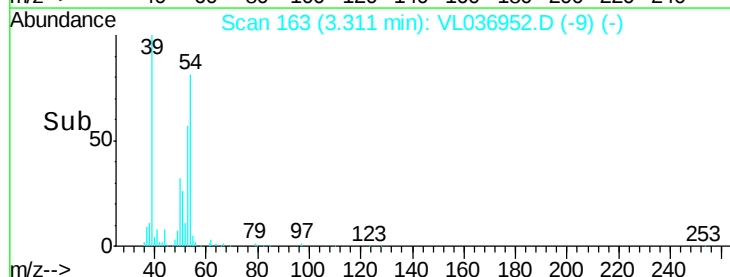
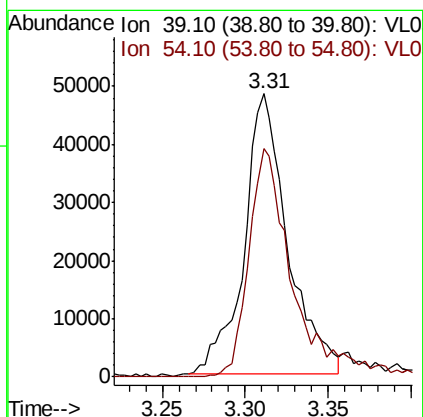
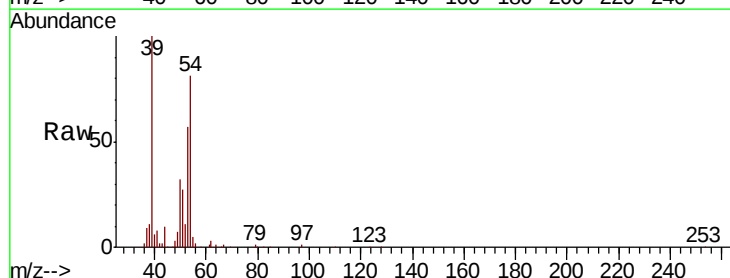
Acq: 18 May 2021 3:16

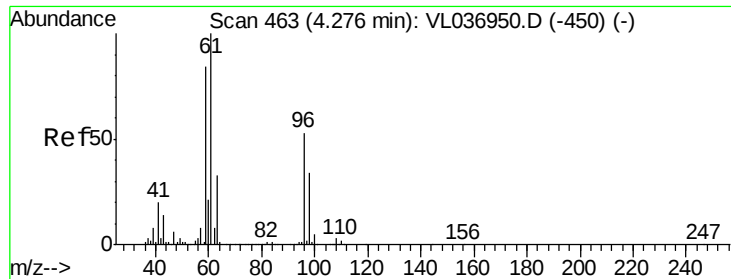
Tgt Ion: 39 Resp: 88679

Ion Ratio Lower Upper

39 100

54 82.5 63.2 94.8





#17

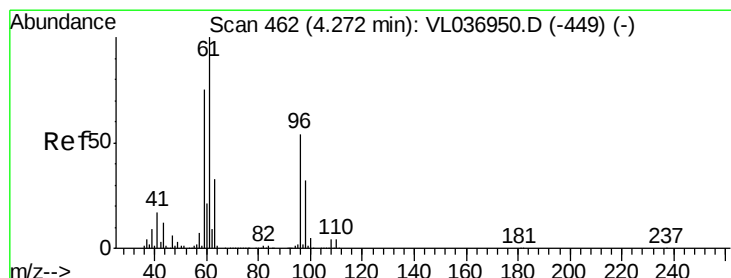
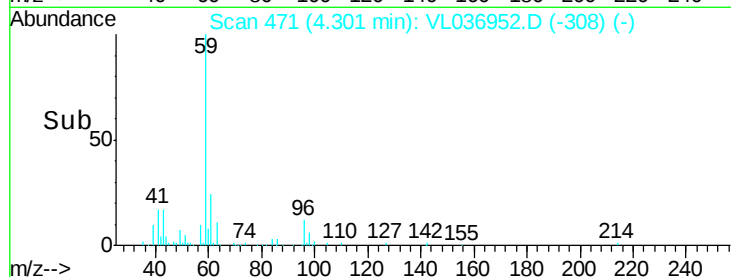
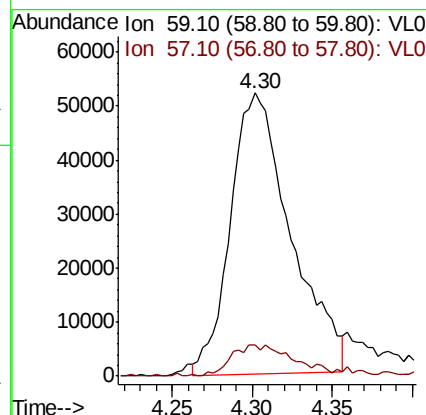
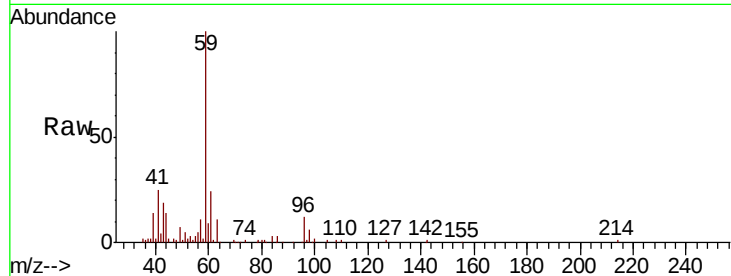
tert-Butyl alcohol
Concen: 1.157 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.03 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 59 Resp: 134898
Ion Ratio Lower Upper
59 100
57 12.6 8.3 12.5#

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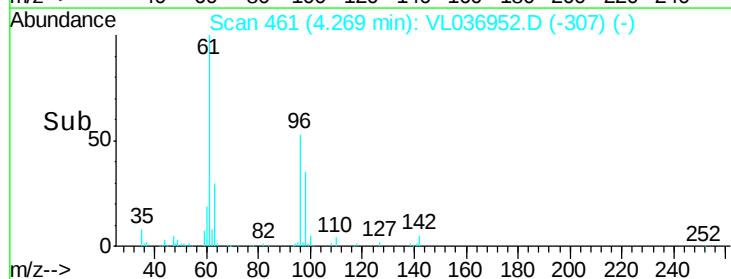
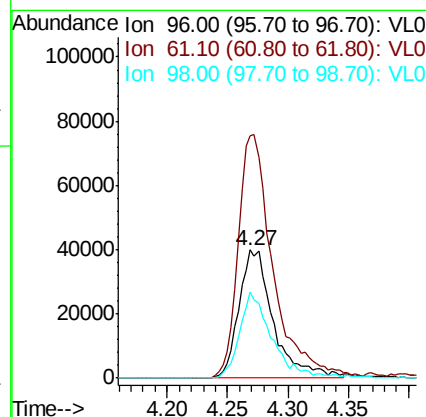
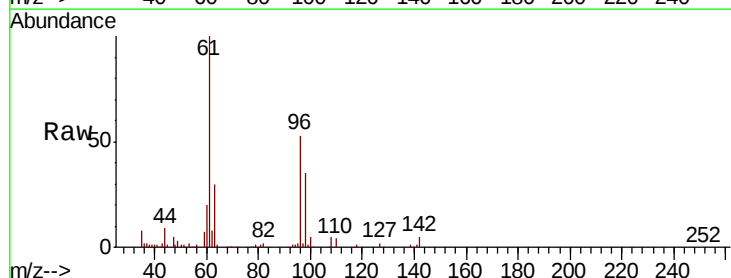
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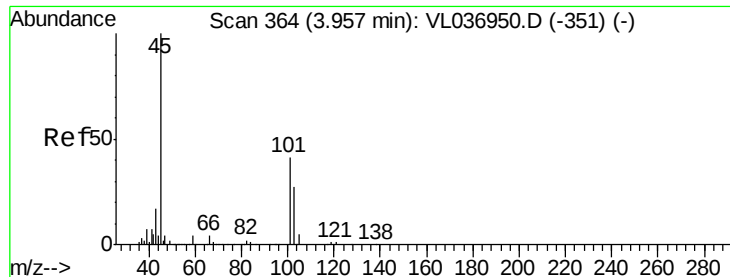


#18

1,1-Dichloroethene
Concen: 1.354 ppbv m
RT: 4.27 min Scan# 461
Delta R.T. -0.00 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Tgt Ion: 96 Resp: 77523
Ion Ratio Lower Upper
96 100
61 190.0 148.2 222.4
98 66.9 47.8 71.6





#19

Isopropyl Alcohol

Concen: 1.118 ppbv m

RT: 3.98 min Scan# 370

Delta R.T. 0.02 min

Lab File: VL036952.D

Acq: 18 May 2021 3:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 80401

Ion Ratio Lower Upper

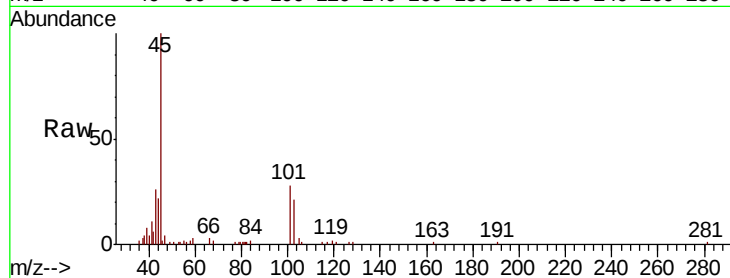
45 100

58 78.7 37.2 55.8#

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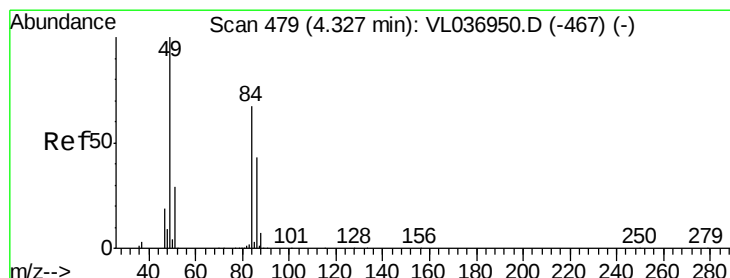
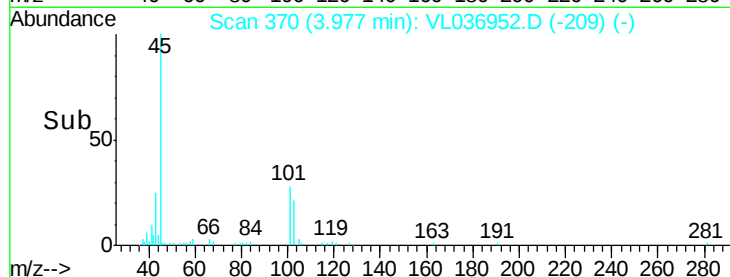
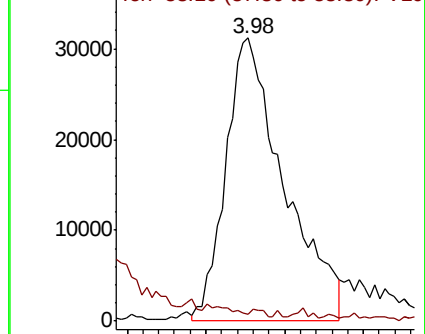
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.860 ppbv m

RT: 4.33 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL036952.D

Acq: 18 May 2021 3:16

Tgt Ion: 84 Resp: 88559

Ion Ratio Lower Upper

84 100

49 144.8 119.8 179.6

51 41.5 35.1 52.7

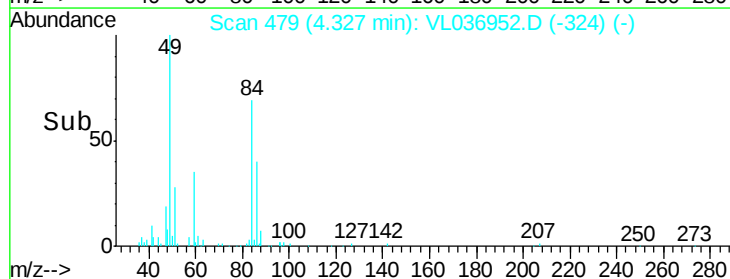
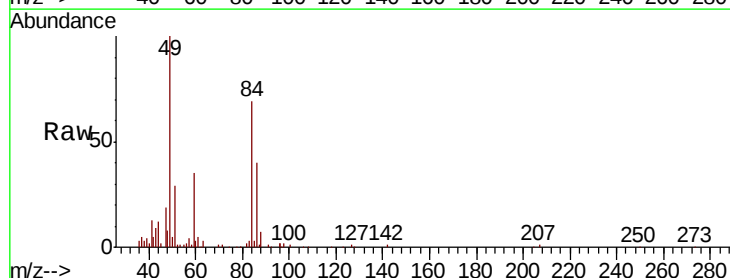
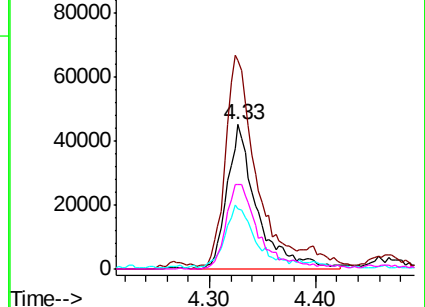
86 58.2 50.9 76.3

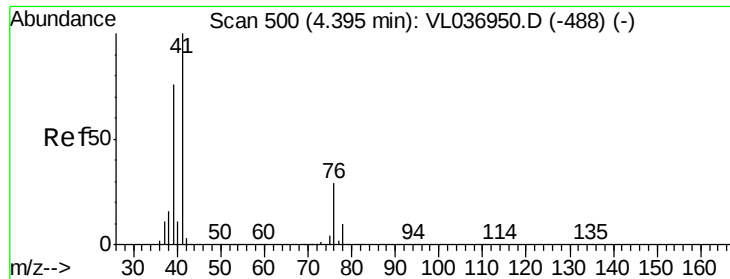
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





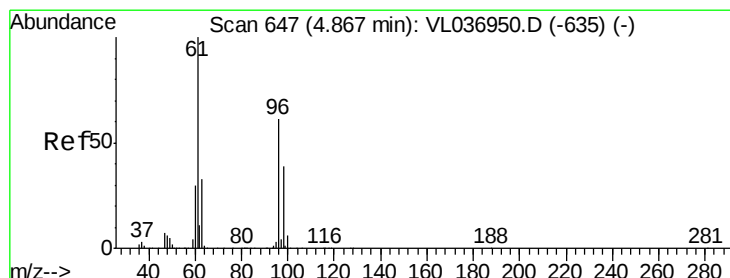
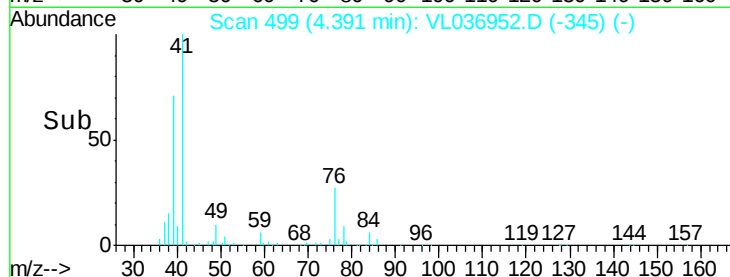
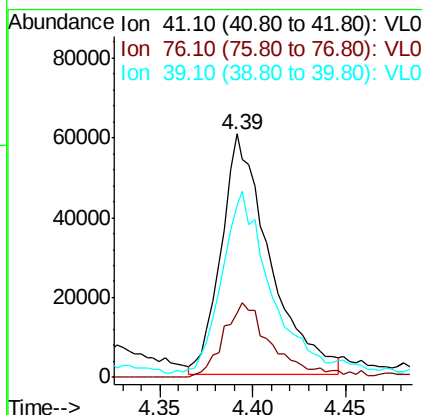
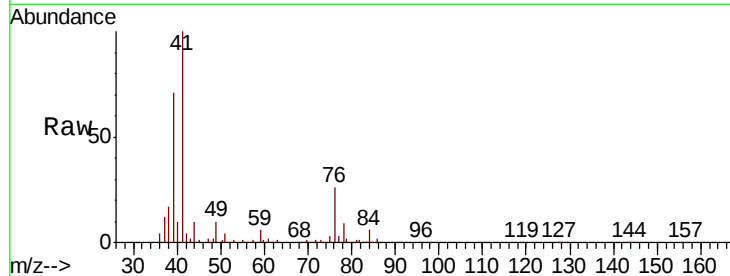
#21
Allvl Chloride
Concen: 1.185 ppbv
RT: 4.39 min Scan# 499
Delta R.T. -0.00 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
76	31.3	24.9	37.3
39	79.5	63.7	95.5

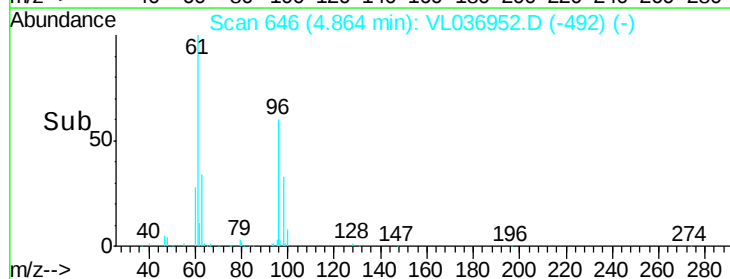
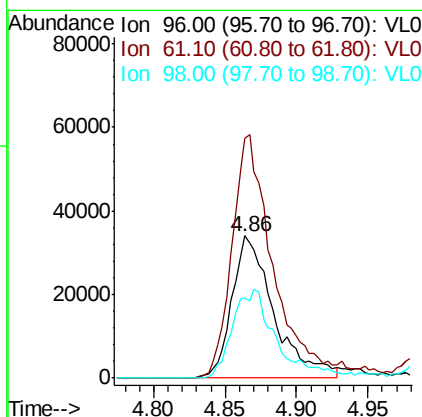
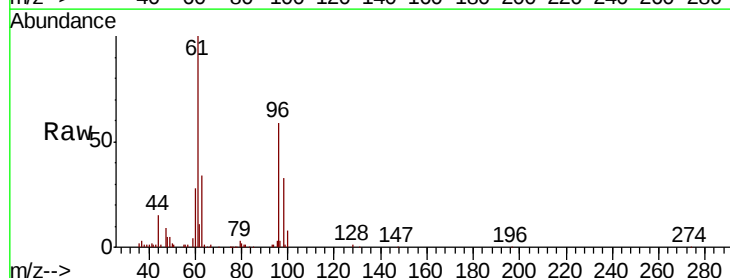
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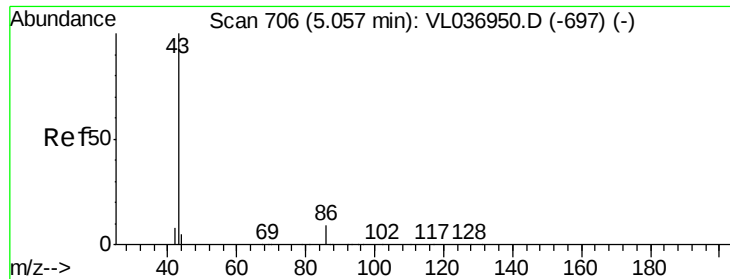
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#22
trans-1,2-Dichloroethene
Concen: 1.184 ppbv m
RT: 4.86 min Scan# 646
Delta R.T. -0.00 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.2	130.6	196.0
98	56.0	50.8	76.2





#23

Vinyl Acetate

Concen: 1.180 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.00 min

Lab File: VL036952.D

Acq: 18 May 2021 3:16

Instrument :

MSVOA_L

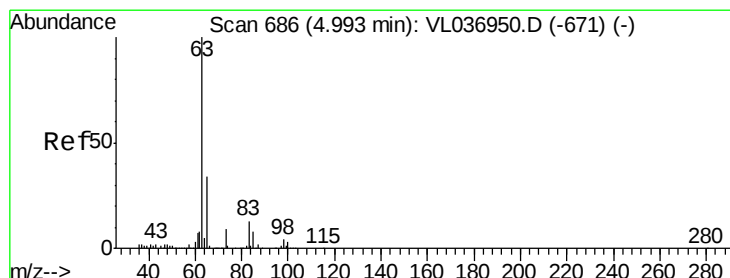
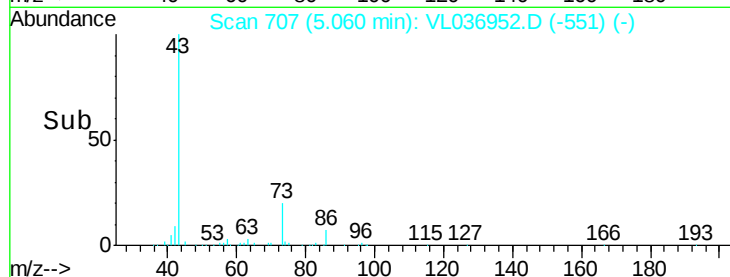
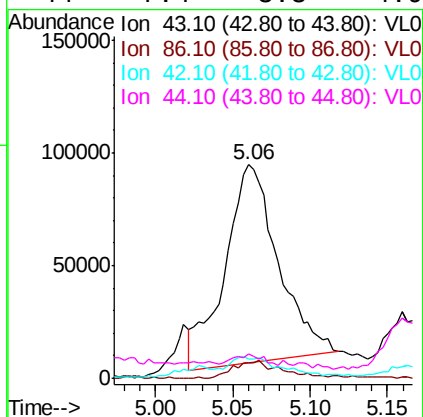
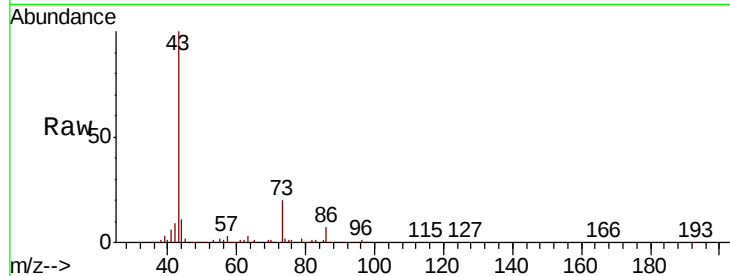
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
43	100	211668		
86	8.0		5.8	8.8
42	8.6		7.4	11.2
44	7.4		3.3	4.9#

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#24

1,1-Dichloroethane

Concen: 1.248 ppbv

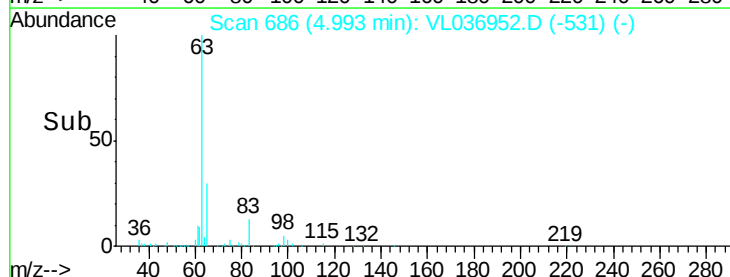
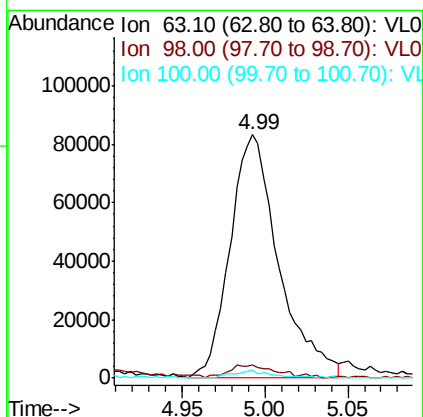
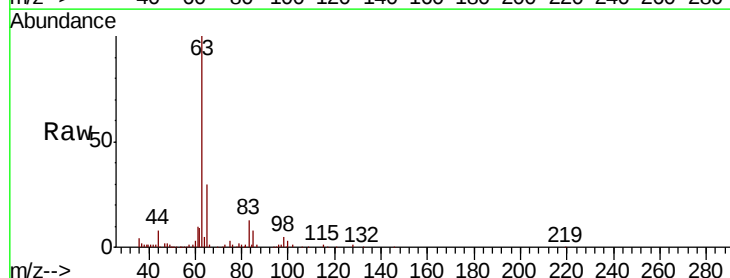
RT: 4.99 min Scan# 686

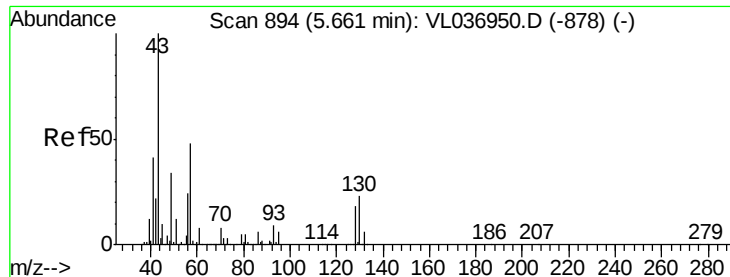
Delta R.T. -0.00 min

Lab File: VL036952.D

Acq: 18 May 2021 3:16

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	170198		
98	4.5		2.3	6.9
100	3.1		1.4	4.0





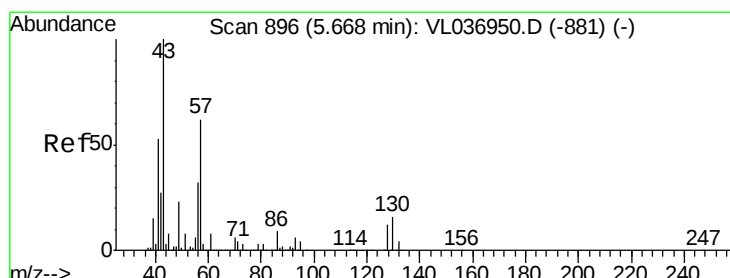
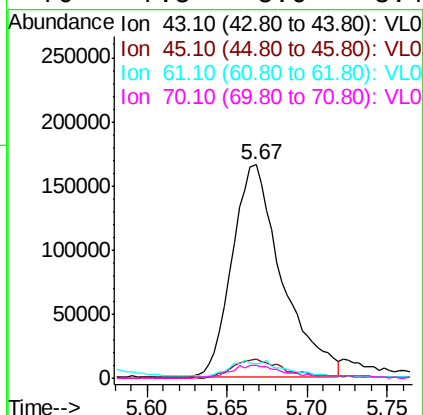
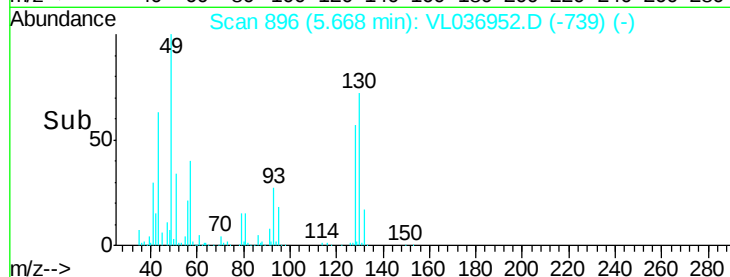
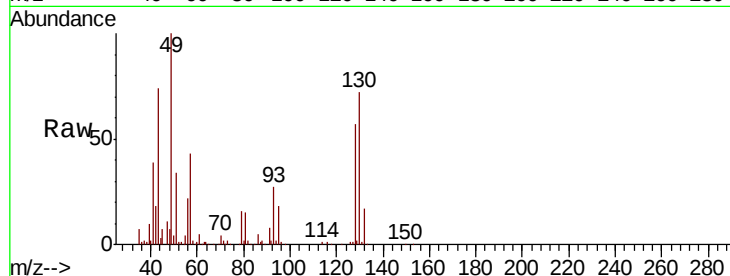
#25
Ethyl Acetate
Concen: 1.133 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	10.2	7.8	11.8		
61	10.8	7.8	11.8		
70	7.8	5.6	8.4		

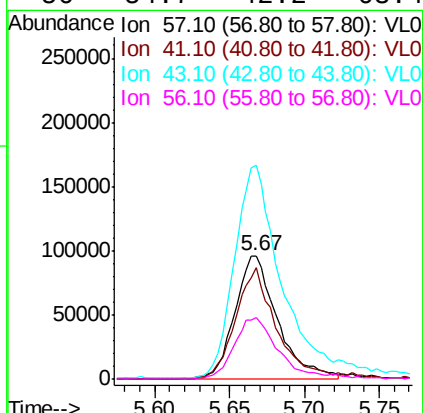
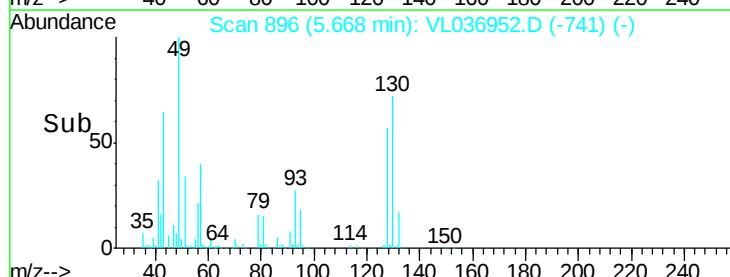
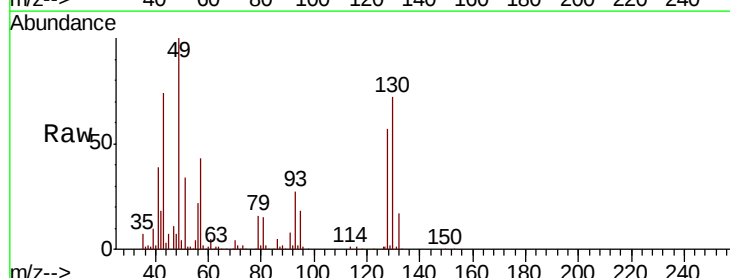
Manual Integrations
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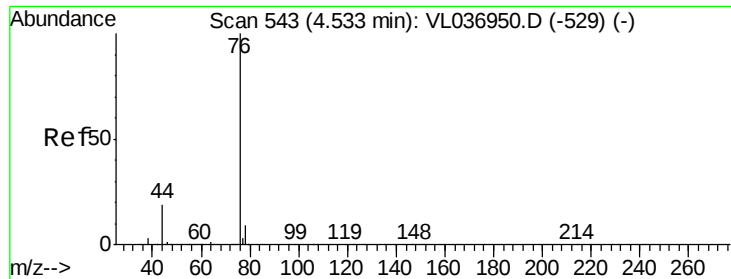
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#26
Hexane
Concen: 1.177 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	90.4	70.5	105.7		
43	204.3	165.8	248.8		
56	54.7	42.2	63.4		





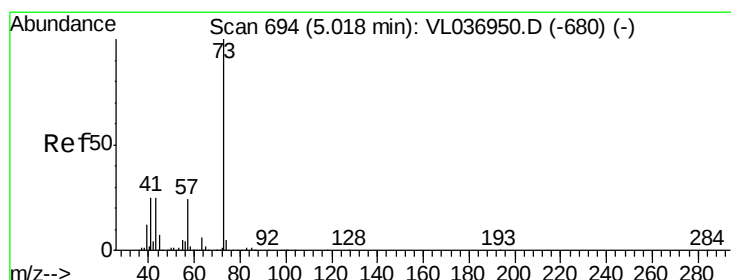
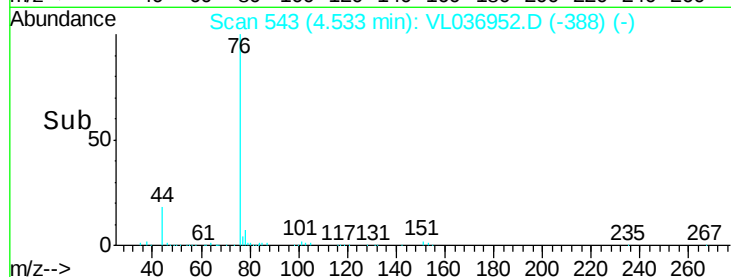
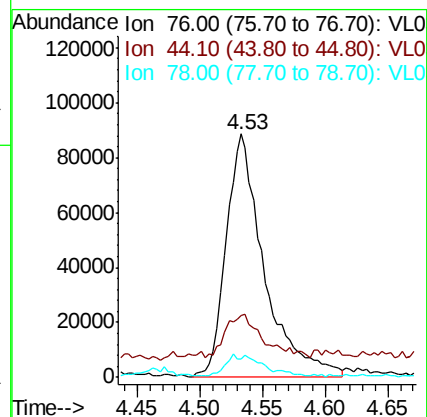
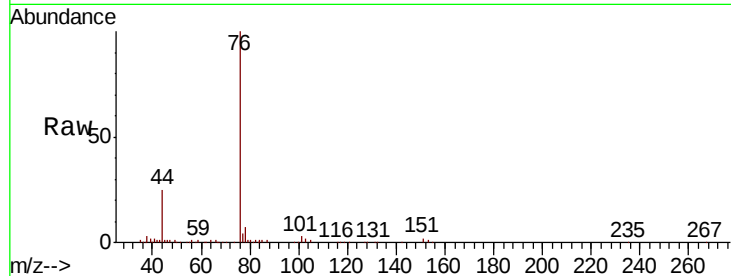
#27
Carbon Disulfide
Concen: 1.300 ppbv
RT: 4.53 min Scan# 543
Delta R.T. -0.00 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
44	21.2	15.5	23.3
78	10.1	7.8	11.6

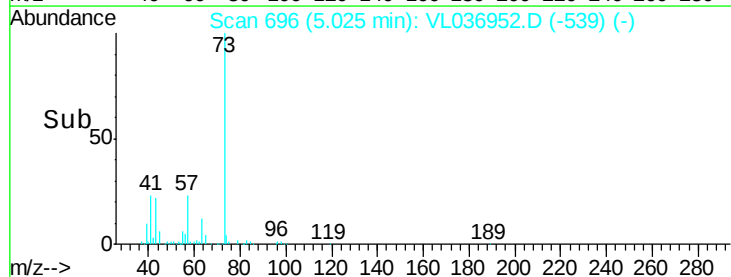
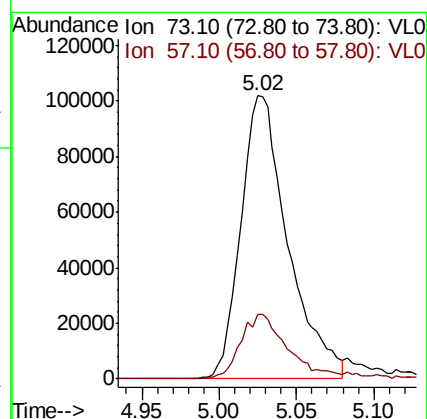
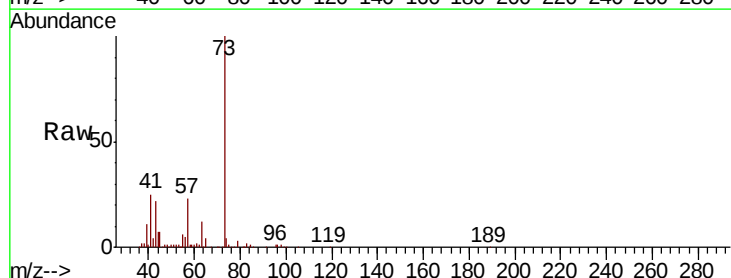
Manual Integrations
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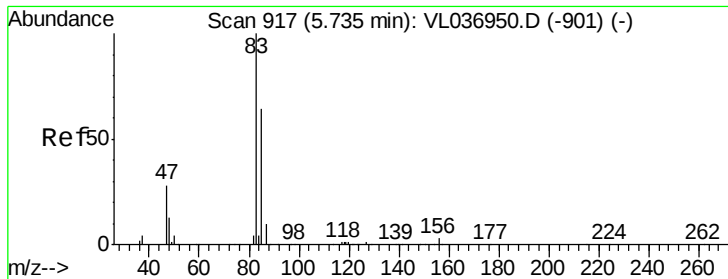
MMDadoda
5/20/2021 5:54:16 PM



#28
Methyl tert-Butyl Ether
Concen: 1.394 ppbv
RT: 5.02 min Scan# 696
Delta R.T. 0.01 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Tgt Ion	Ratio	Lower	Upper
73	100		
57	24.2	18.3	27.5





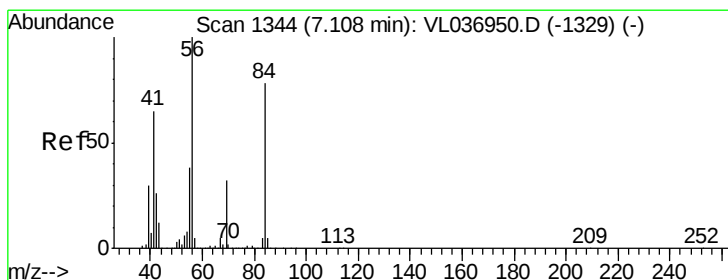
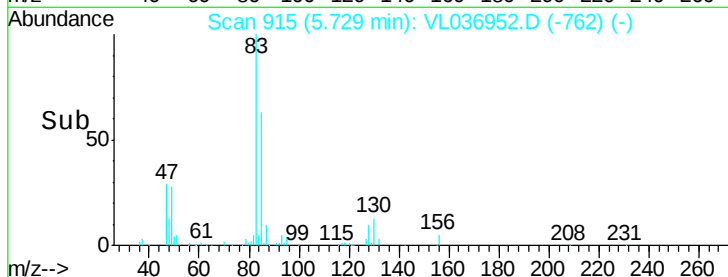
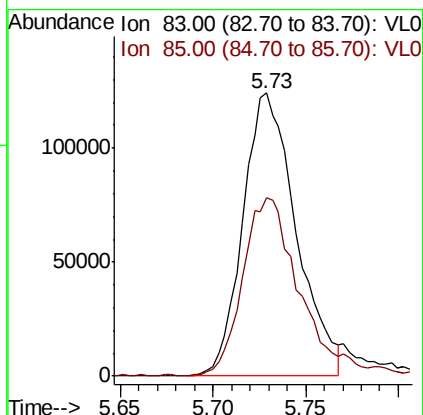
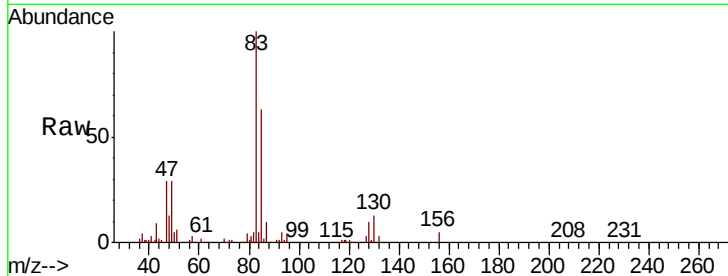
#29
Chloroform
Concen: 1.026 ppbv
RT: 5.73 min Scan# 915
Delta R.T. -0.01 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	246362
Ion Ratio	100	Lower	Upper
83	100		
85	63.1	51.1	76.7

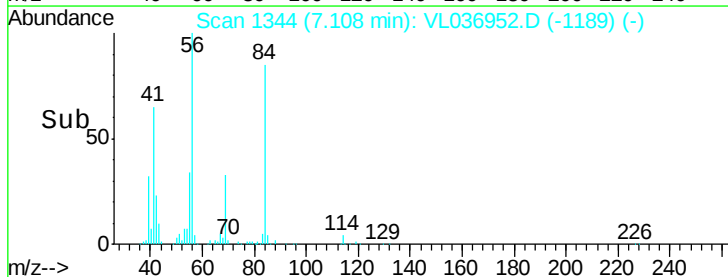
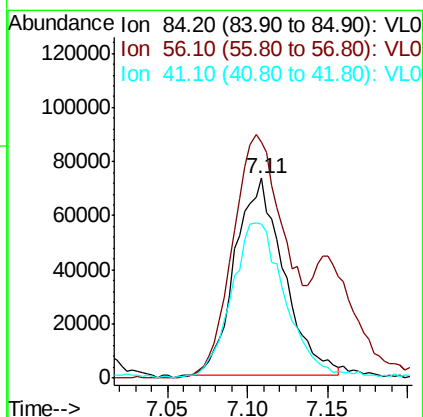
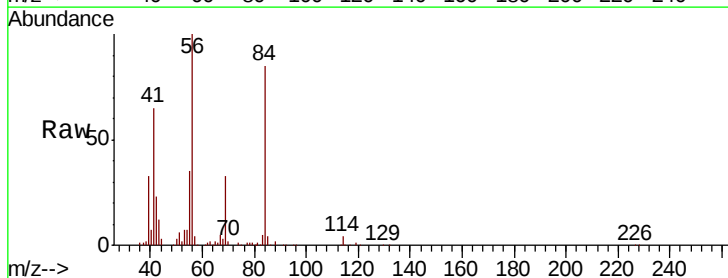
Manual Integrations
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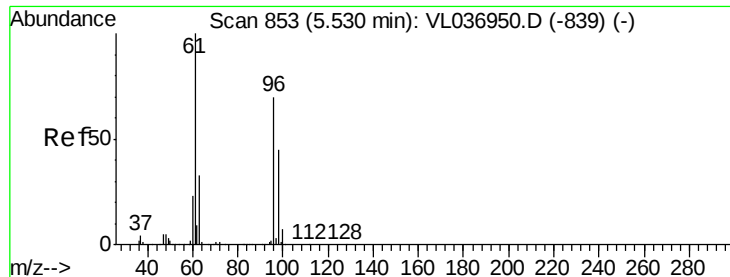
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#30
Cyclohexane
Concen: 1.242 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Tgt Ion	84	Resp	152132
Ion Ratio	100	Lower	Upper
84	100		
56	193.9	107.9	161.9#
41	85.4	65.5	98.3





#31

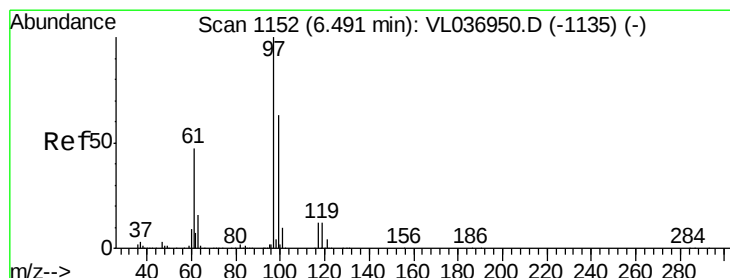
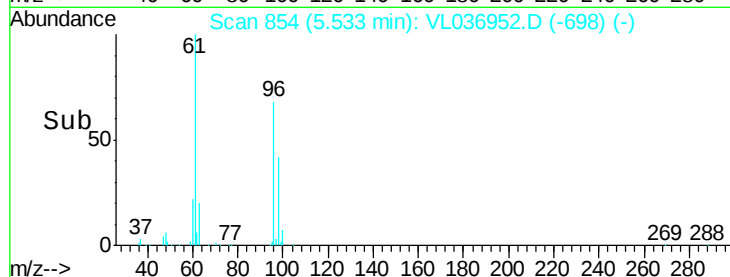
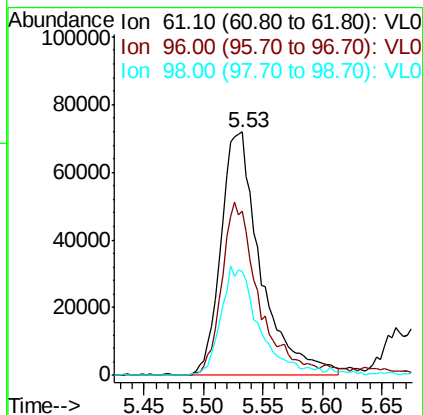
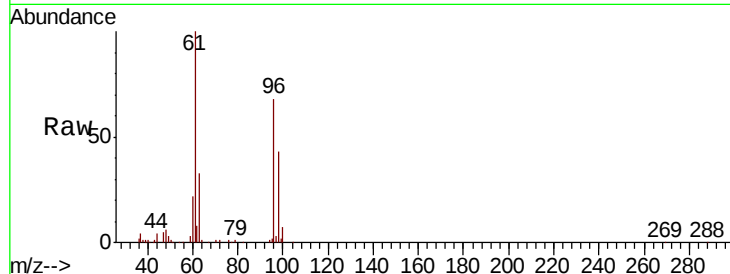
cis-1,2-Dichloroethene
Concen: 1.316 ppbv
RT: 5.53 min Scan# 854
Delta R.T. 0.00 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
61	100	165099		
96	67.8		55.9	83.9
98	42.7		35.6	53.4

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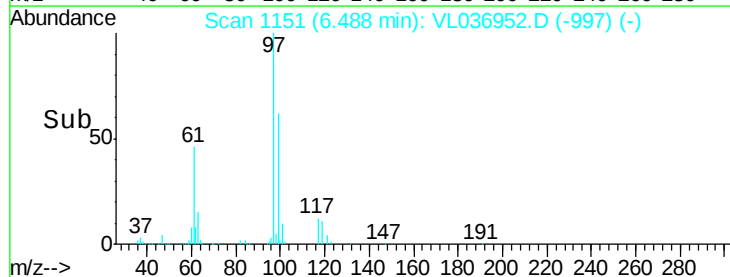
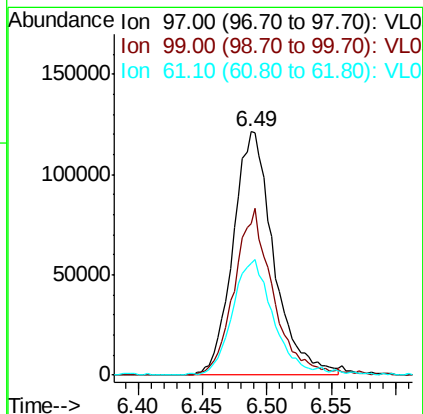
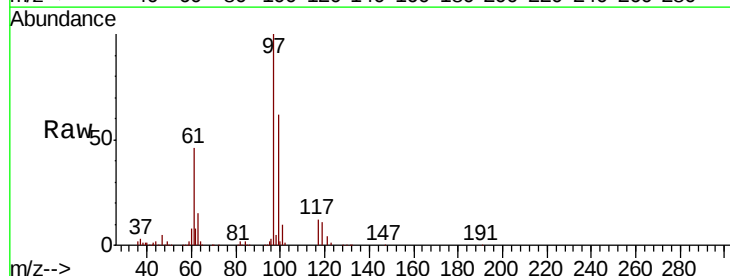
MMDadoda
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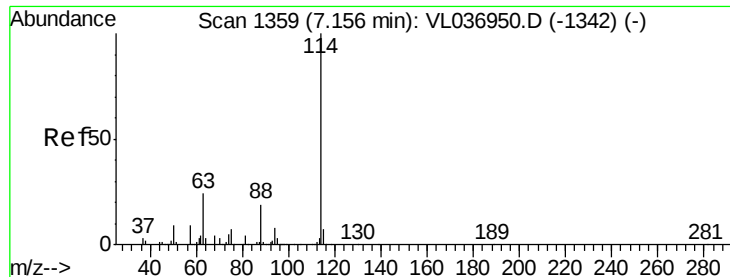


#32

1,1,1-Trichloroethane
Concen: 1.041 ppbv
RT: 6.49 min Scan# 1151
Delta R.T. -0.00 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	266475		
99	65.8		51.9	77.9
61	49.1		37.6	56.4





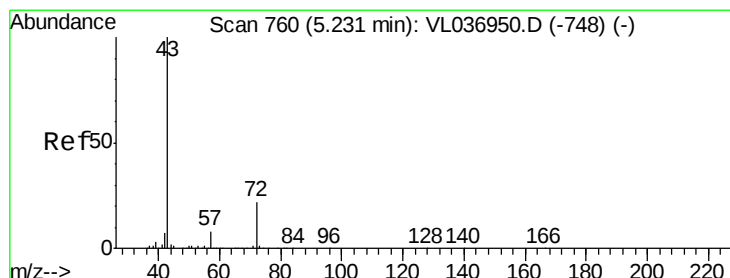
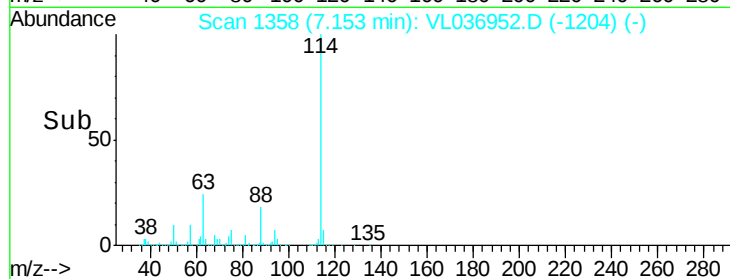
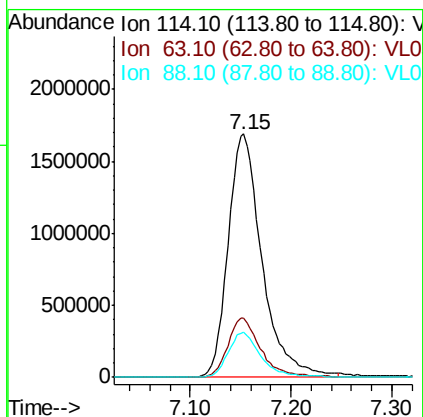
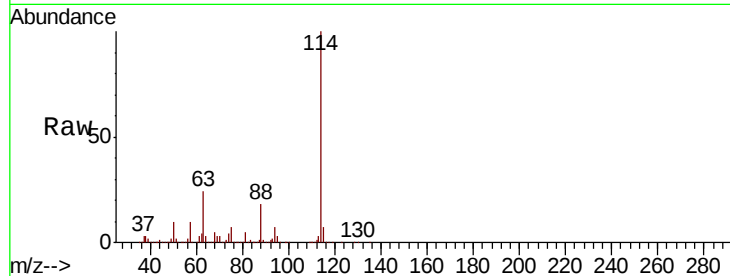
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VL036952.D
 Acq: 18 May 2021 3:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:114 Resp: 3960223
 Ion Ratio Lower Upper
 114 100
 63 24.1 19.6 29.4
 88 18.1 14.6 21.8

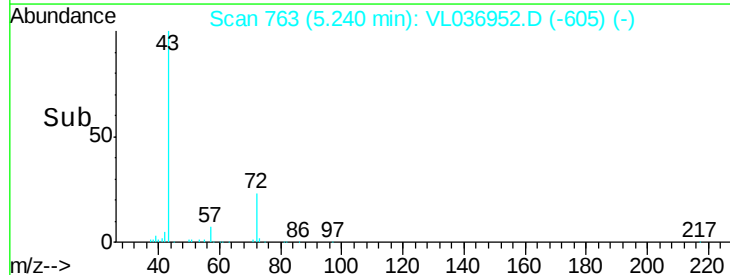
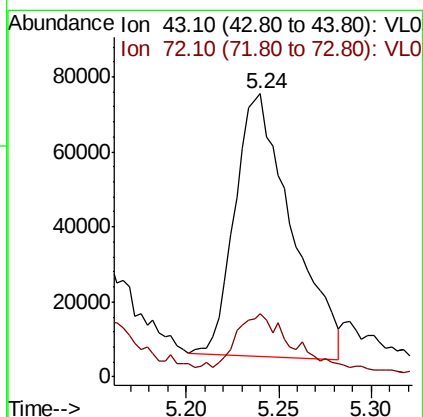
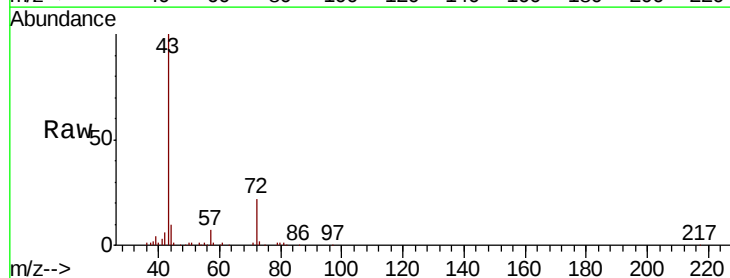
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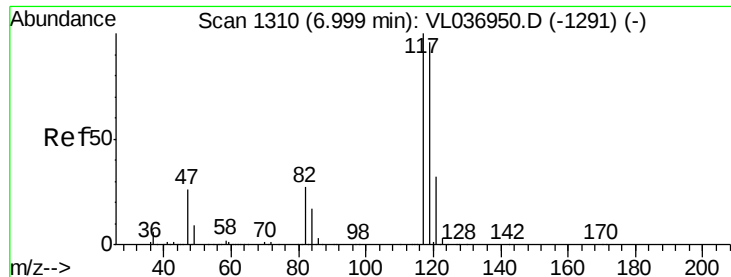
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#34
 2-Butanone
 Concen: 0.980 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VL036952.D
 Acq: 18 May 2021 3:16

Tgt Ion: 43 Resp: 148349
 Ion Ratio Lower Upper
 43 100
 72 28.9 19.0 28.4#





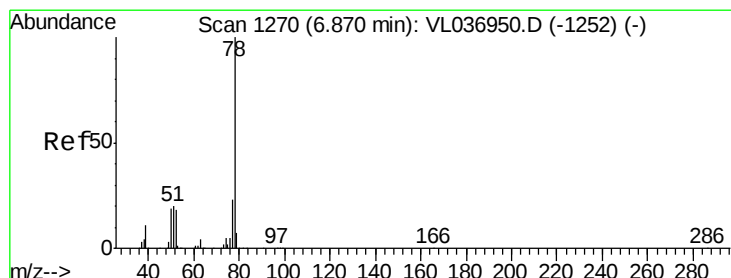
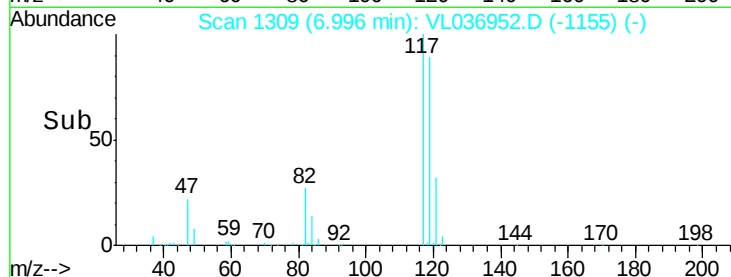
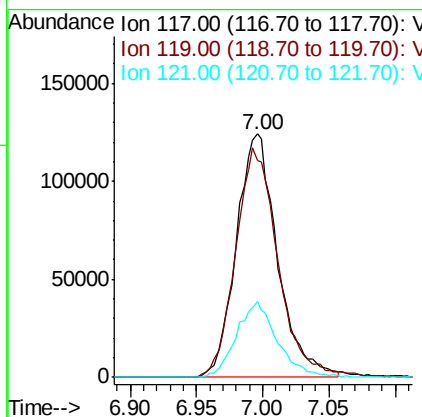
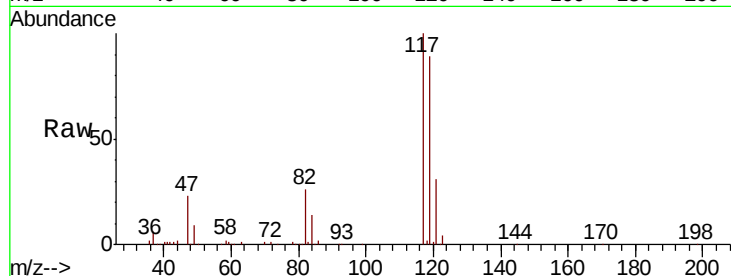
#35
Carbon Tetrachloride
Concen: 0.868 ppbv
RT: 7.00 min Scan# 1309
Delta R.T. -0.00 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	88.8	76.6	114.8
121	31.1	25.8	38.6

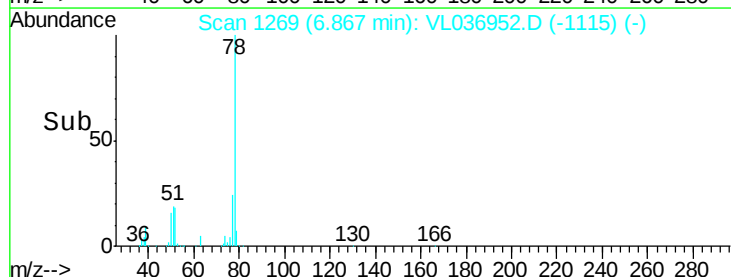
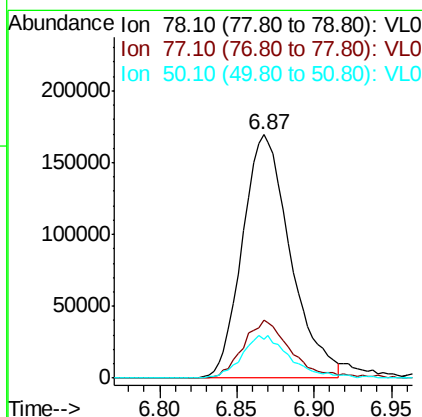
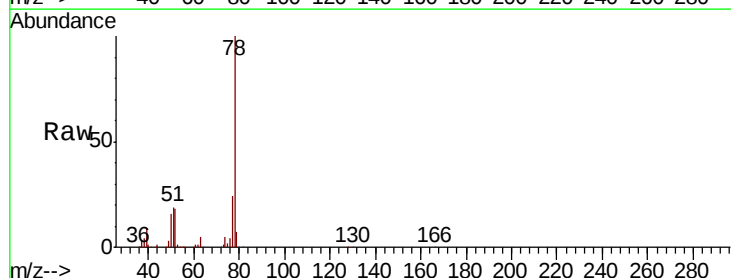
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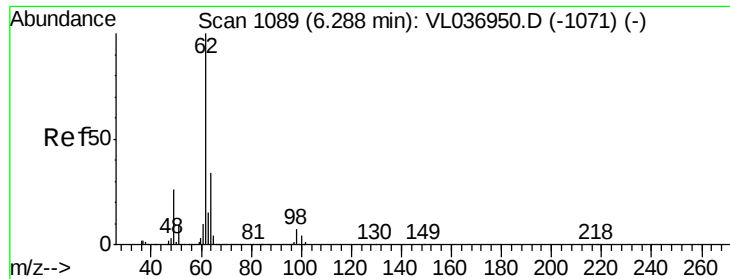
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#36
Benzene
Concen: 1.152 ppbv
RT: 6.87 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.6	28.0
50	15.8	15.0	22.4





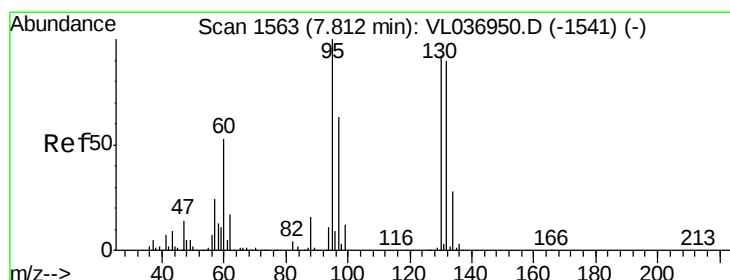
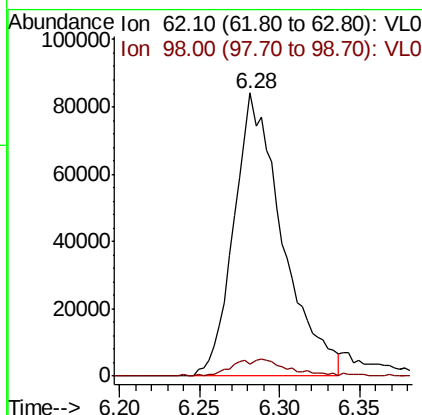
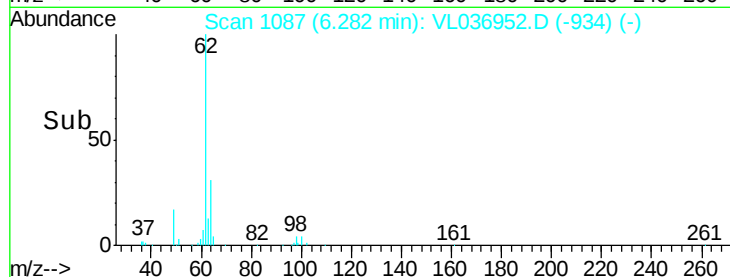
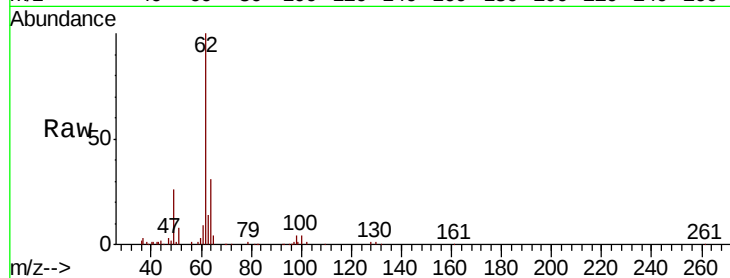
#37
 1,2-Dichloroethane
 Concen: 0.922 ppbv
 RT: 6.28 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VL036952.D
 Acq: 18 May 2021 3:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.4	5.5	8.3

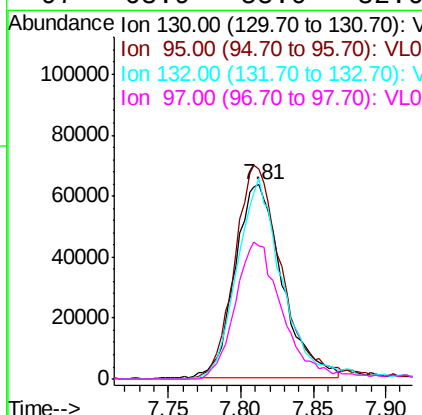
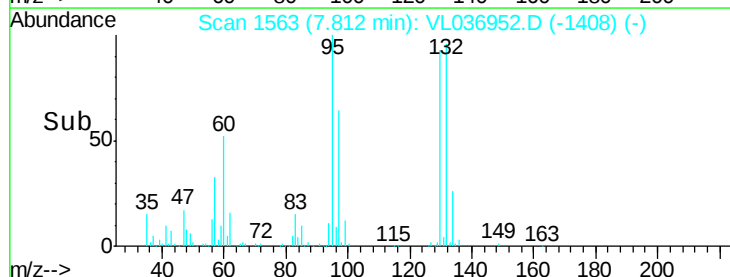
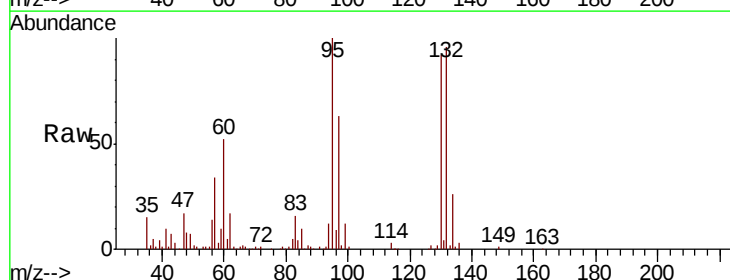
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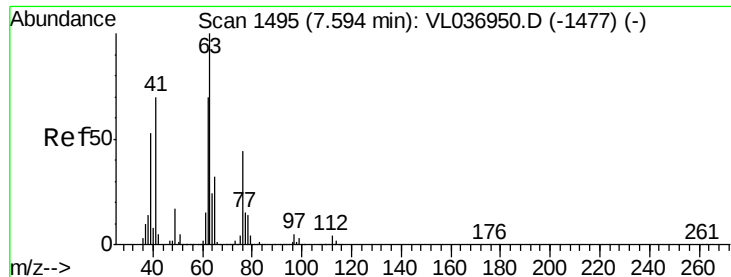
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#38
 Trichloroethene
 Concen: 1.095 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VL036952.D
 Acq: 18 May 2021 3:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.9	86.9	130.3
132	104.1	78.4	117.6
97	68.9	55.0	82.6





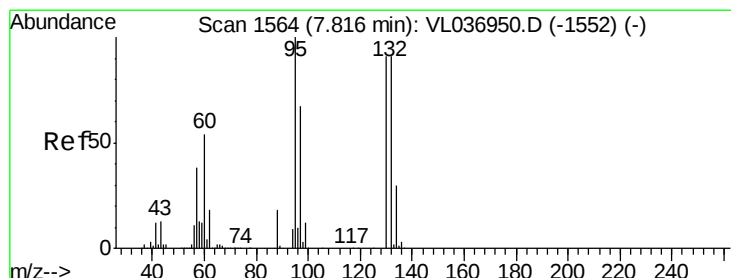
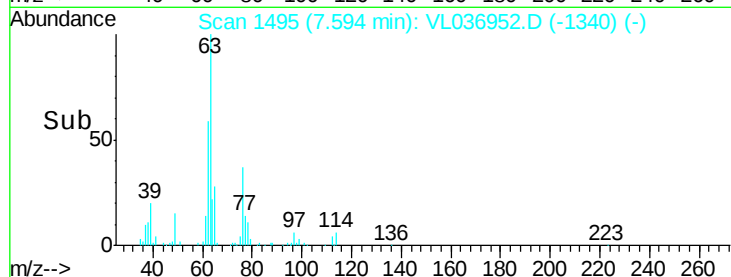
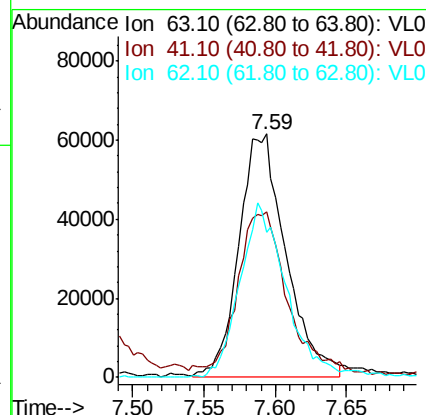
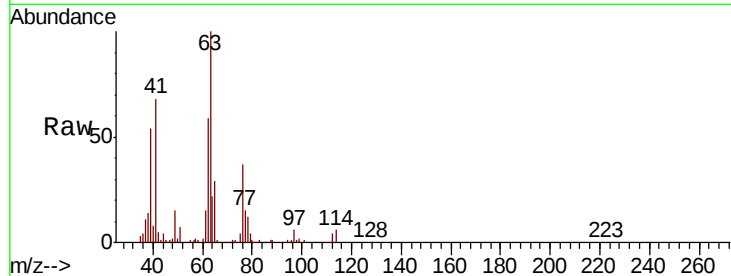
#39
 1,2-Dichloropropane
 Concen: 1.083 ppbv m
 RT: 7.59 min Scan# 1495
 Delta R.T. -0.00 min
 Lab File: VL036952.D
 Acq: 18 May 2021 3:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:	63	Resp:	141107
Ion	Ratio	Lower	Upper
63	100		
41	68.1	55.7	83.5
62	59.4	56.2	84.4

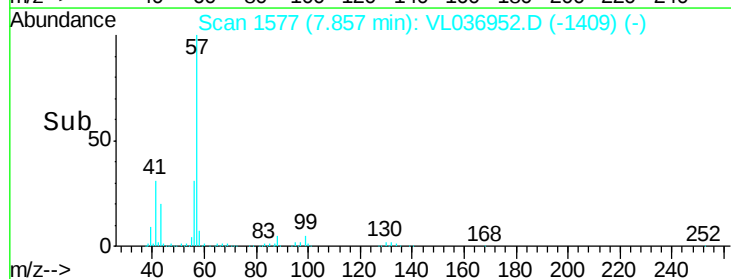
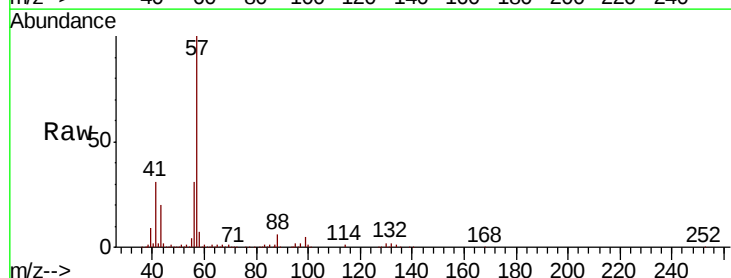
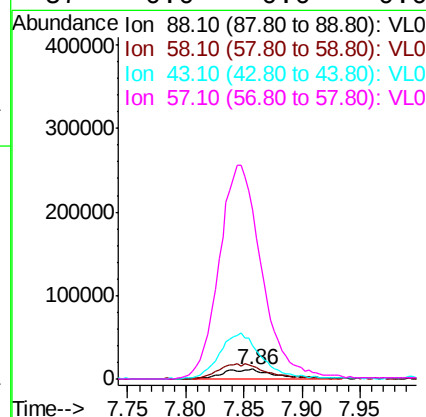
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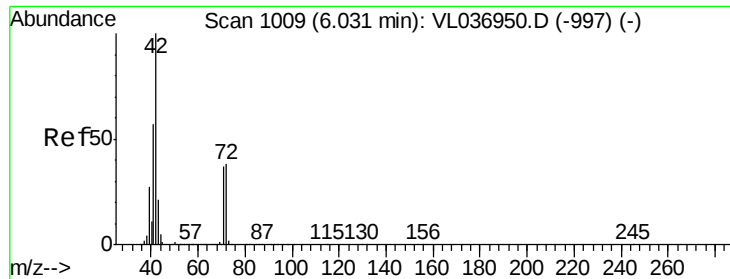
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#40
 1,4-Dioxane
 Concen: 1.098 ppbv m
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.04 min
 Lab File: VL036952.D
 Acq: 18 May 2021 3:16

Tgt Ion:	88	Resp:	37312
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





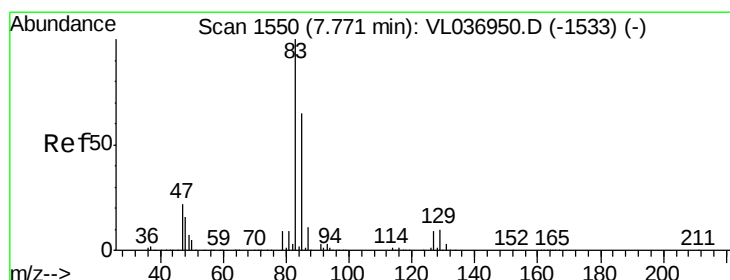
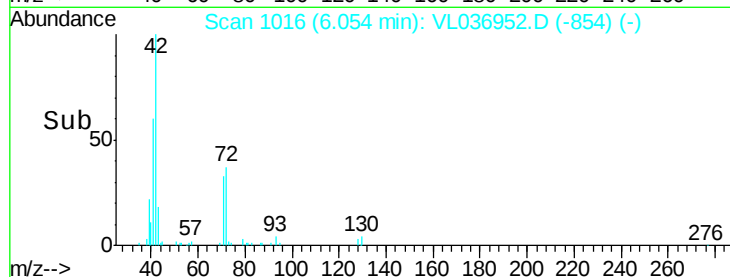
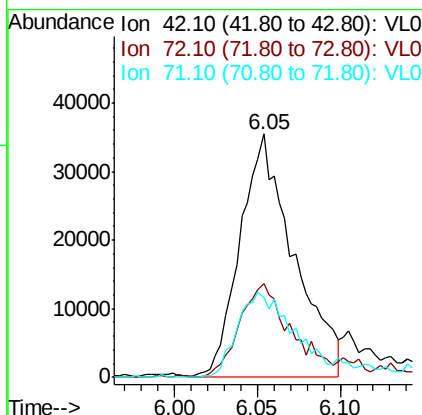
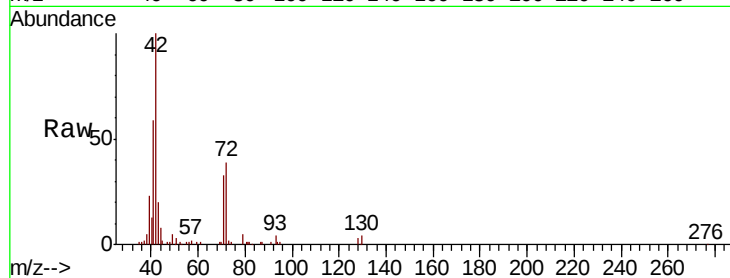
#41
Tetrahydrofuran
Concen: 1.292 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. 0.02 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
42	42	100	79930		
72	72	44.5		31.4	47.2
71	71	42.1		30.4	45.6

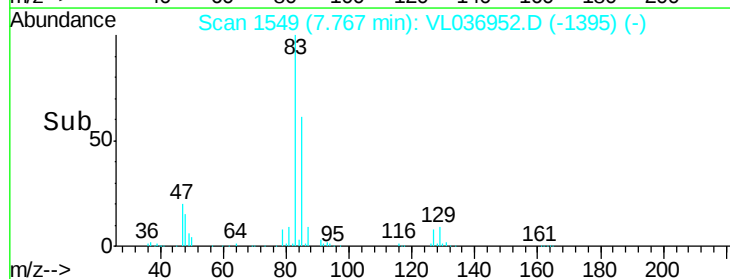
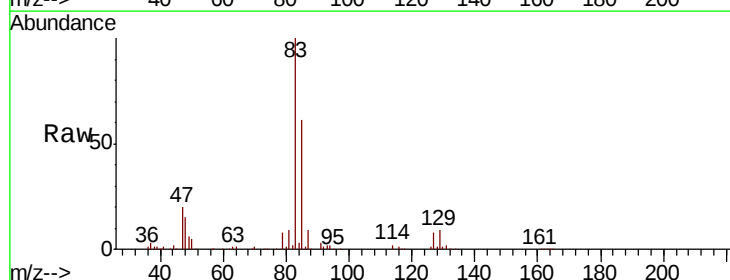
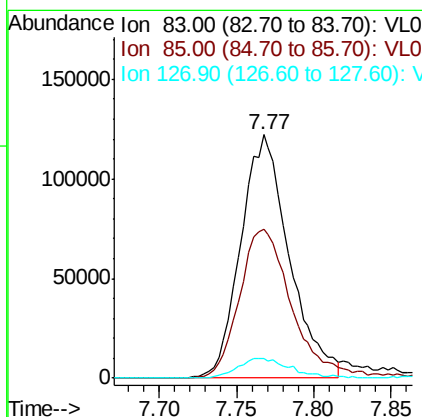
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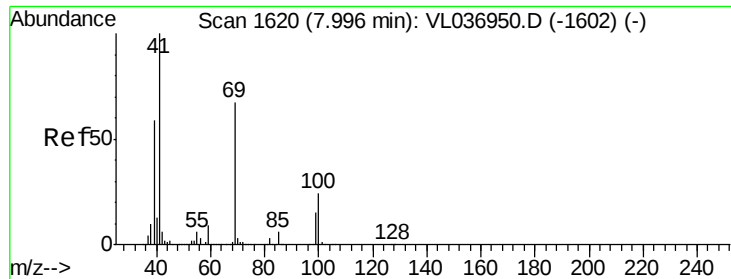
MMDadoda
5/20/2021 5:54:16 PM



#42
Bromodichloromethane
Concen: 0.959 ppbv
RT: 7.77 min Scan# 1549
Delta R.T. -0.00 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	83	100	266381		
85	85	61.1		51.7	77.5
127	127	8.2		6.9	10.3





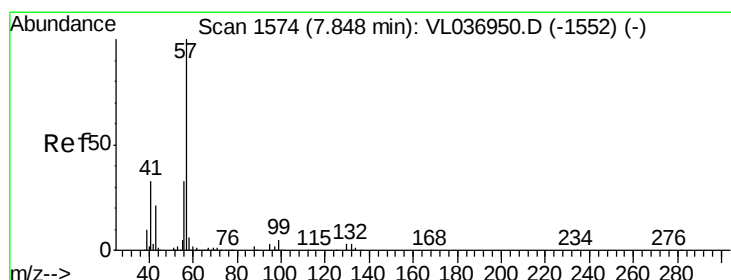
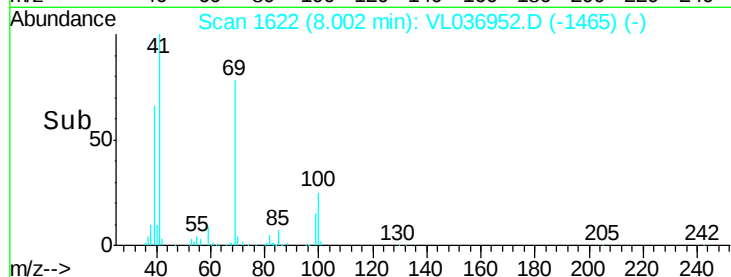
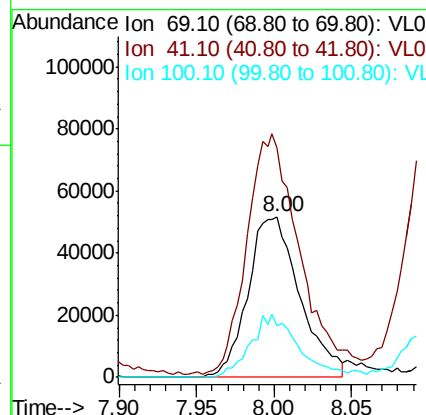
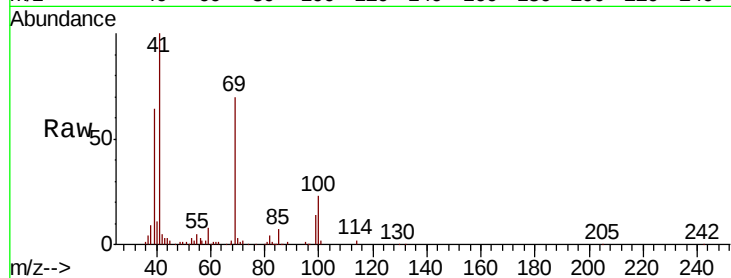
#43
Methvl Methacrylate
Concen: 1.304 ppbv
RT: 8.00 min Scan# 1622
Delta R.T. 0.01 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
69	100		
41	155.4	118.6	178.0
100	37.1	28.2	42.4

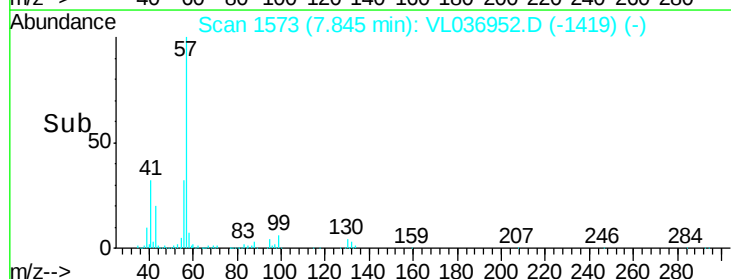
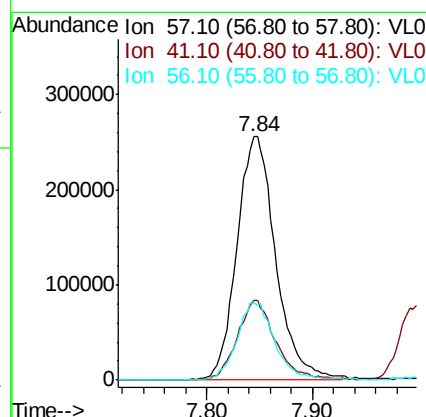
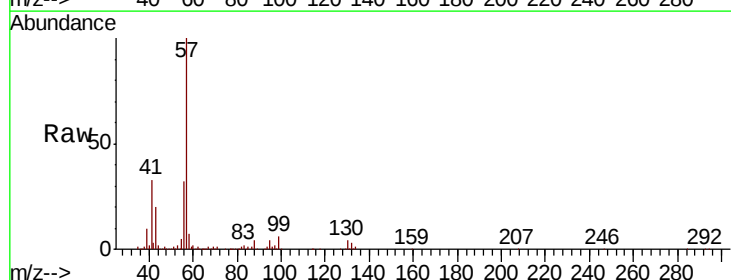
Manual Integrations
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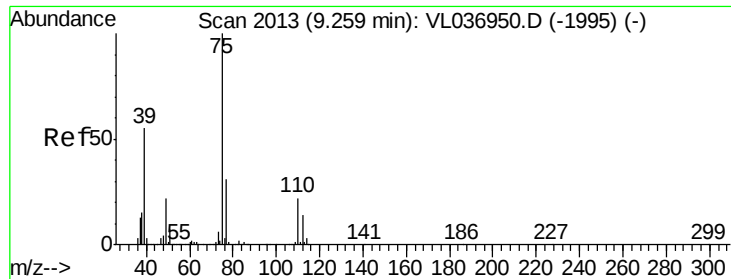
MMDadoda
5/20/2021 5:54:16 PM



#44
2,2,4-Trimethylpentane
Concen: 1.150 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.2	27.0	40.4
56	31.6	25.4	38.2





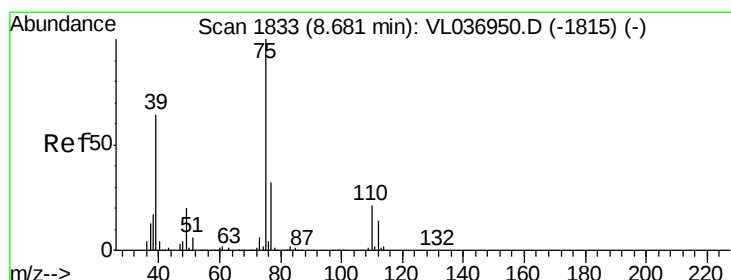
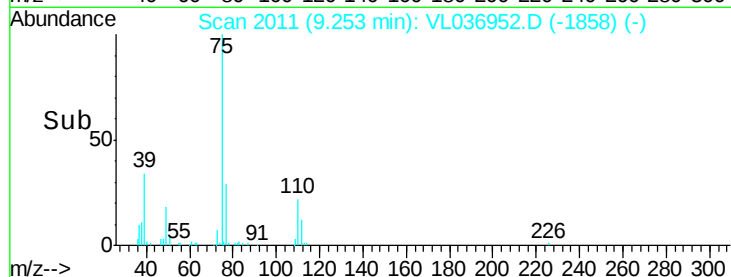
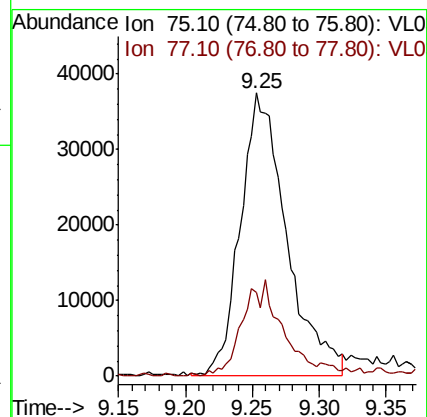
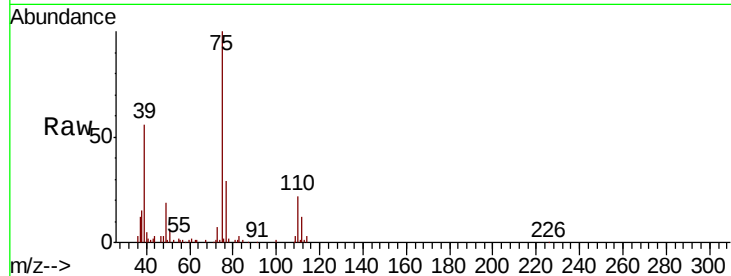
#45
 t-1,3-Dichloropropene
 Concen: 1.080 ppbv m
 RT: 9.25 min Scan# 2011
 Delta R.T. -0.01 min
 Lab File: VL036952.D
 Acq: 18 May 2021 3:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 90316
 Ion Ratio Lower Upper
 75 100
 77 29.4 24.4 36.6

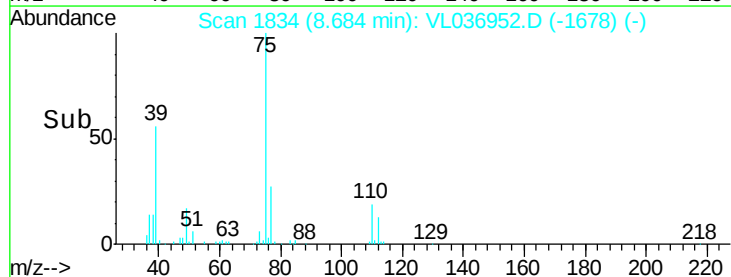
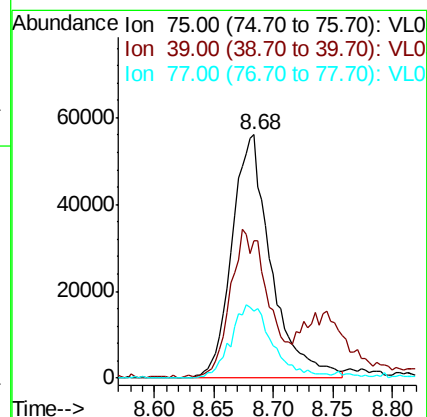
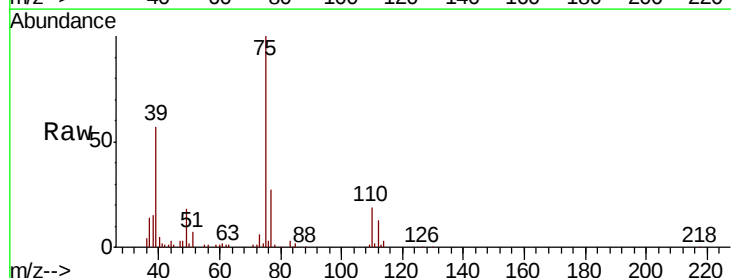
Manual Integrations
 APPROVED

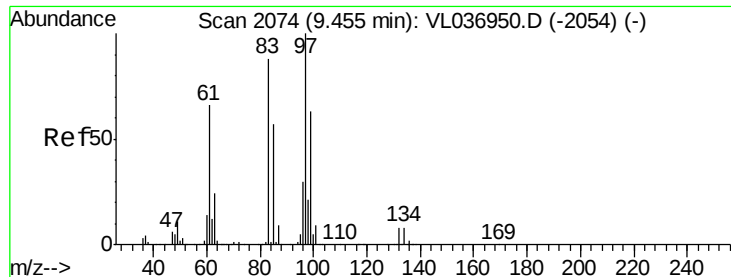
MMDadoda
 5/20/2021 5:54:16 PM



#46
 cis-1,3-Dichloropropene
 Concen: 1.094 ppbv
 RT: 8.68 min Scan# 1834
 Delta R.T. 0.00 min
 Lab File: VL036952.D
 Acq: 18 May 2021 3:16

Tgt Ion: 75 Resp: 128044
 Ion Ratio Lower Upper
 75 100
 39 55.9 51.5 77.3
 77 27.4 25.9 38.9





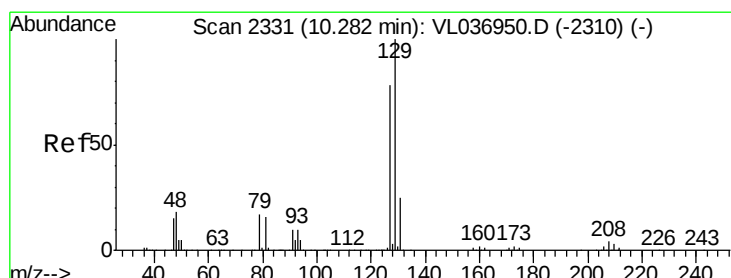
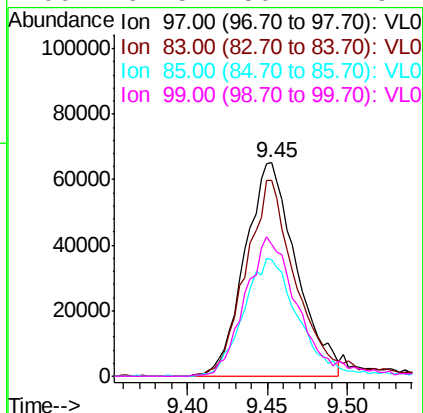
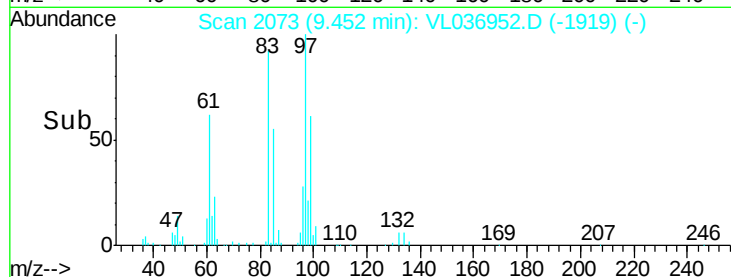
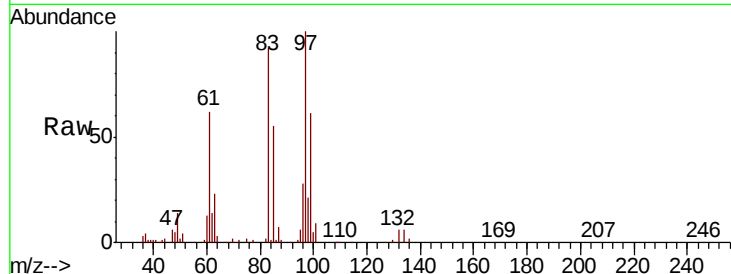
#47
 1,1,2-Trichloroethane
 Concen: 1.004 ppbv
 RT: 9.45 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VL036952.D
 Acq: 18 May 2021 3:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	91.4	70.4	105.6	
85	54.8	45.5	68.3	
99	61.5	50.2	75.2	

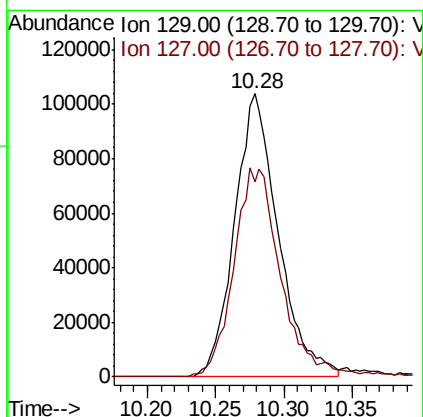
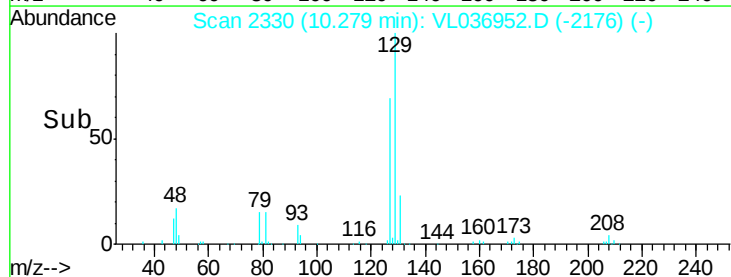
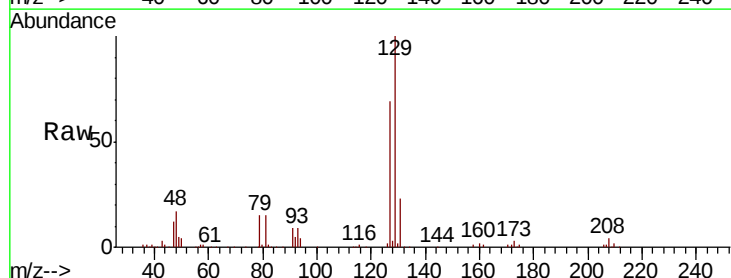
Manual Integrations
 APPROVED

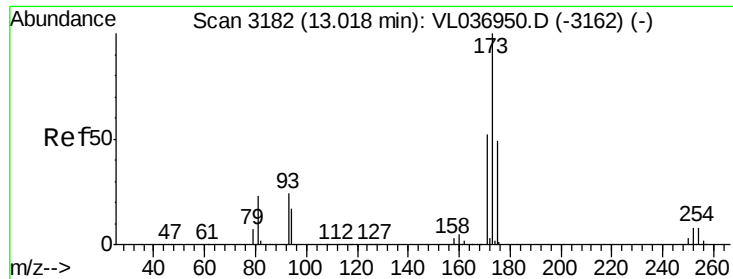
MMDadoda
 5/20/2021 5:54:16 PM



#48
 Dibromochloromethane
 Concen: 1.074 ppbv
 RT: 10.28 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VL036952.D
 Acq: 18 May 2021 3:16

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	80.4	39.3	117.8	





#49

Bromoform

Concen: 1.065 ppbv m

RT: 13.01 min Scan# 3180

Delta R.T. -0.01 min

Lab File: VL036952.D

Acq: 18 May 2021 3:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:173 Resp: 188447

Ion Ratio Lower Upper

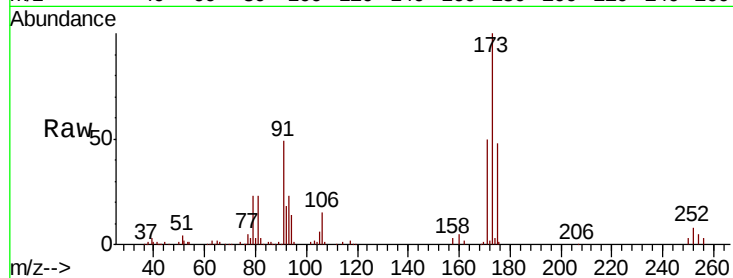
173 100

175 49.7 40.4 60.6

171 53.2 42.6 64.0

Manual Integrations
APPROVED

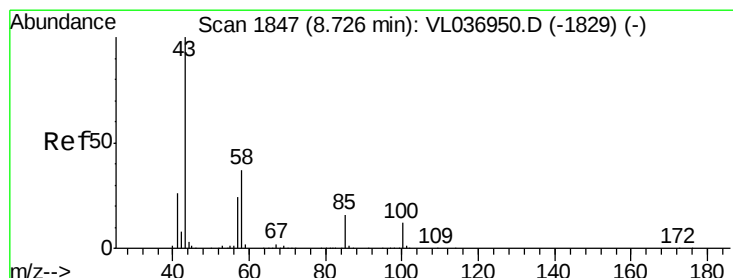
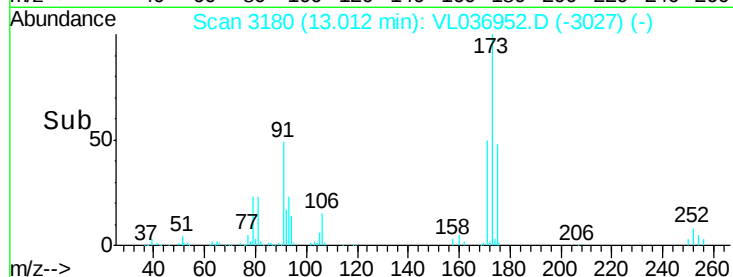
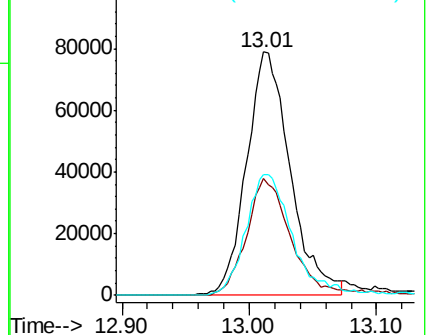
MMDadoda
5/20/2021 5:54:16 PM



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 1.135 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. 0.02 min

Lab File: VL036952.D

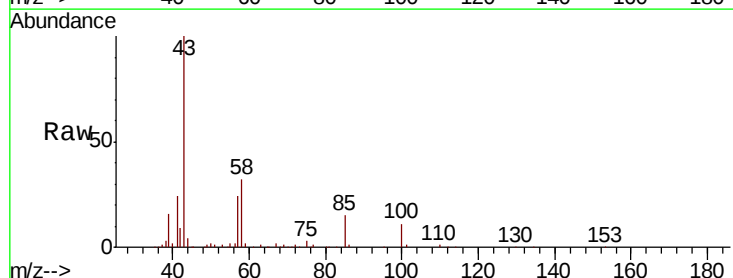
Acq: 18 May 2021 3:16

Tgt Ion: 43 Resp: 235217

Ion Ratio Lower Upper

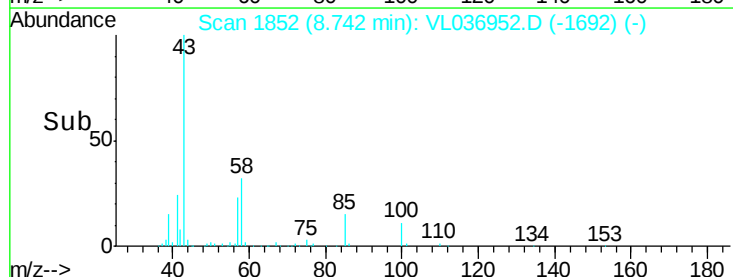
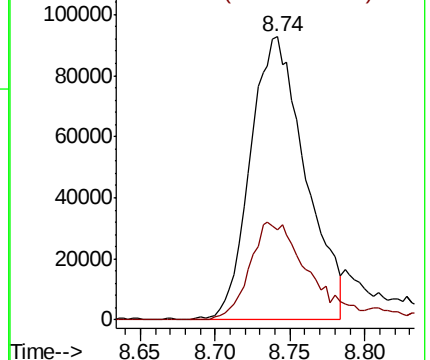
43 100

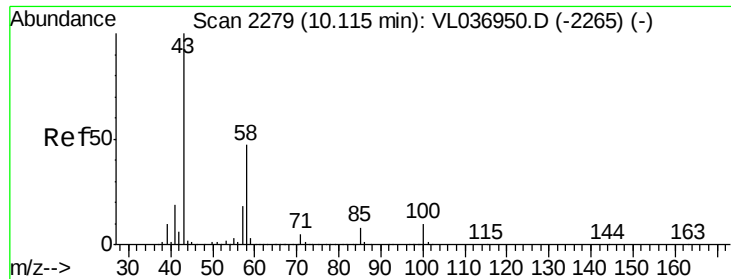
58 39.3 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





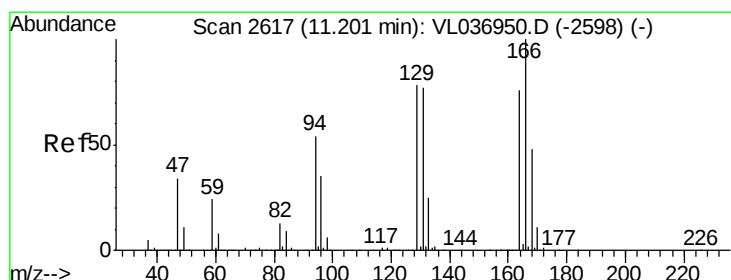
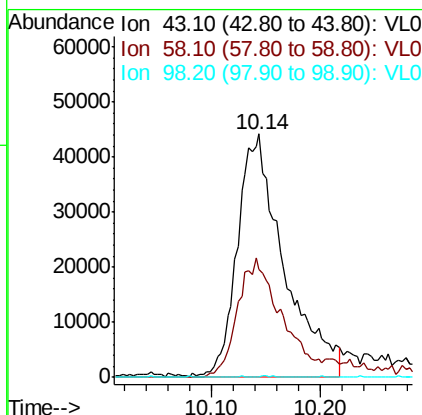
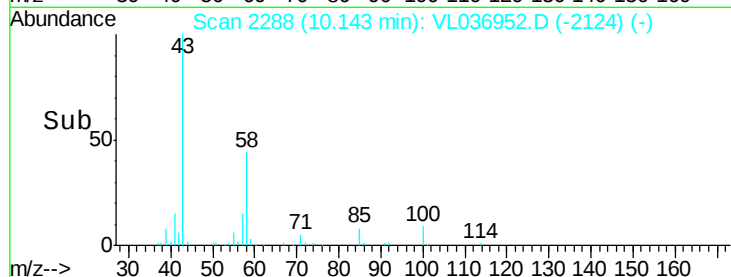
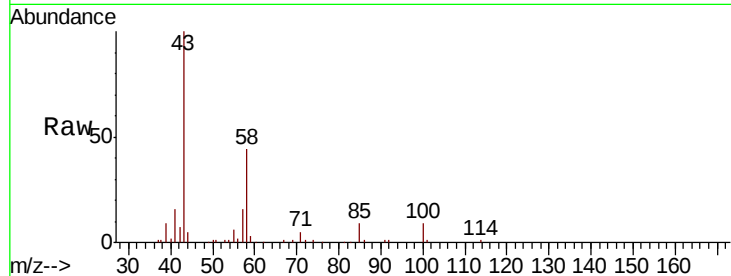
#51
2-Hexanone
Concen: 1.495 ppbv m
RT: 10.14 min Scan# 2288
Delta R.T. 0.03 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	41.1	61.7#
98	0.1	0.1	0.1#

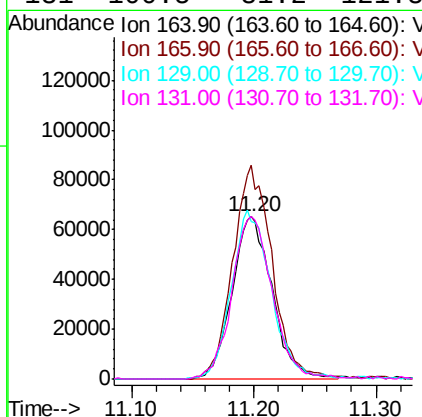
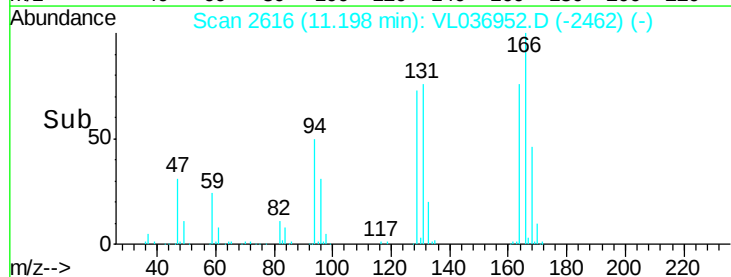
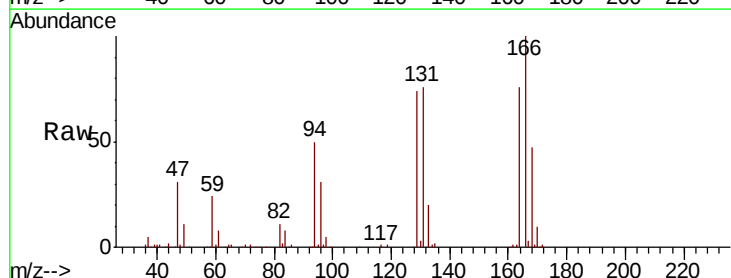
Manual Integrations
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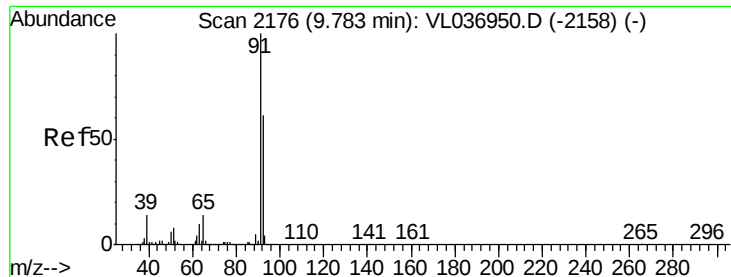
MMDadoda
5/20/2021 5:54:16 PM



#52
Tetrachloroethene
Concen: 1.271 ppbv
RT: 11.20 min Scan# 2616
Delta R.T. -0.00 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.5	105.5	158.3
129	97.0	81.8	122.8
131	100.5	81.2	121.8





#53

Toluene

Concen: 1.375 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL036952.D

Acq: 18 May 2021 3:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 436197

Ion Ratio Lower Upper

91 100

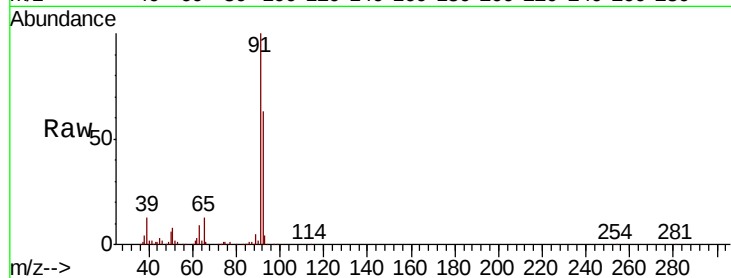
92 62.3 49.5 74.3

Manual Integrations

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MMDadoda

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.78

200000

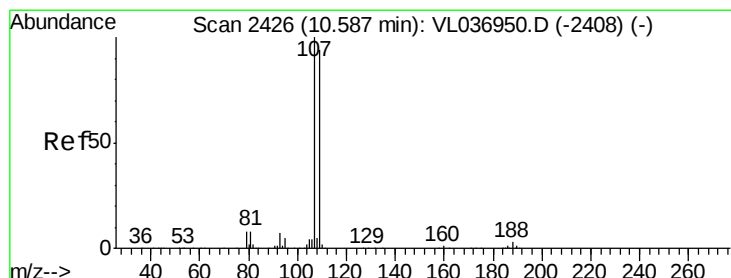
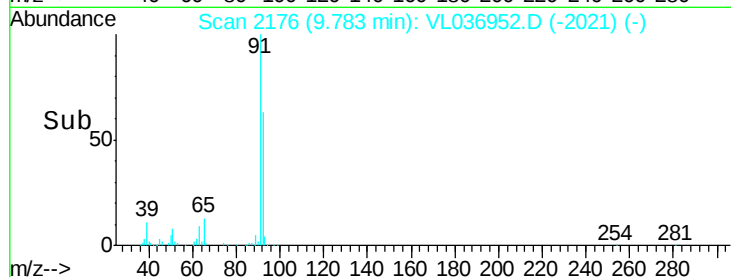
150000

100000

50000

0

Time-->



#54

1,2-Dibromoethane

Concen: 1.107 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. -0.00 min

Lab File: VL036952.D

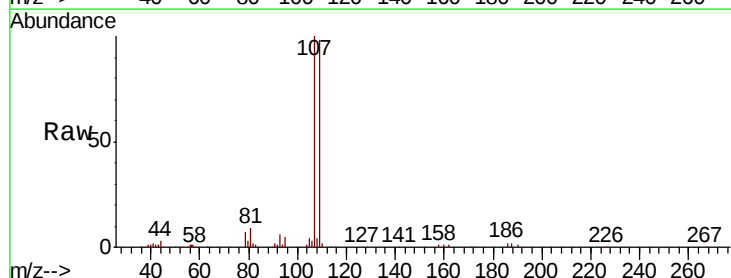
Acq: 18 May 2021 3:16

Tgt Ion:107 Resp: 206626

Ion Ratio Lower Upper

107 100

109 97.9 75.0 112.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.59

80000

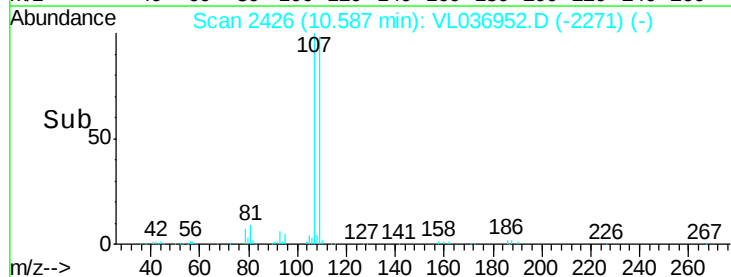
60000

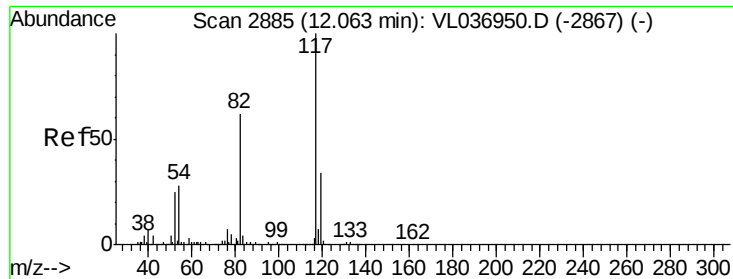
40000

20000

0

Time-->





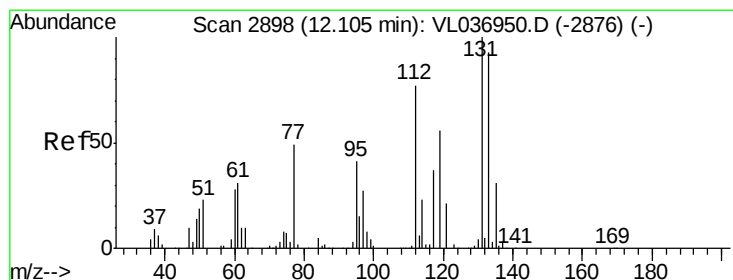
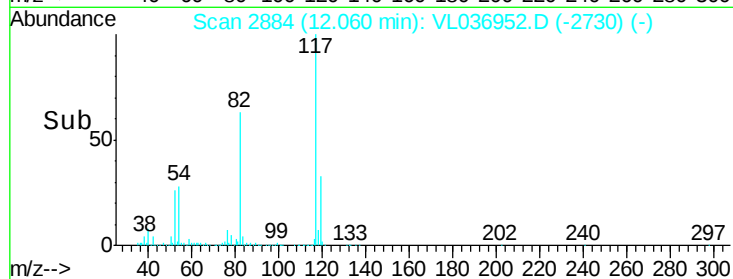
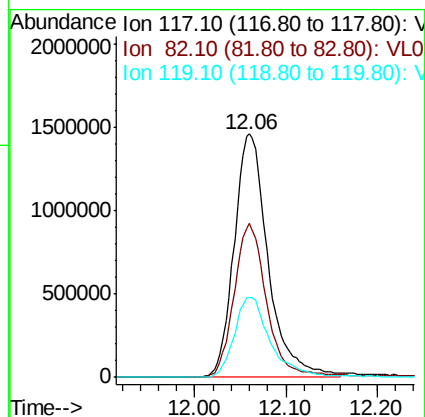
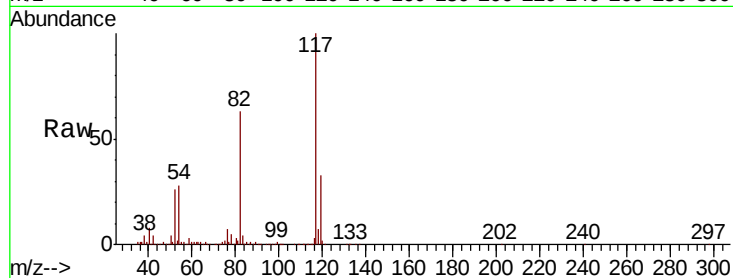
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.00 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.3	52.6	79.0
119	36.0	46.6	70.0#

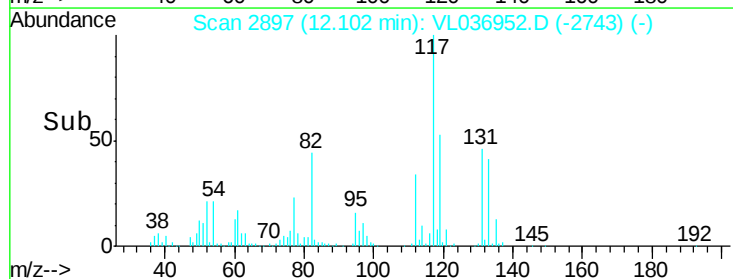
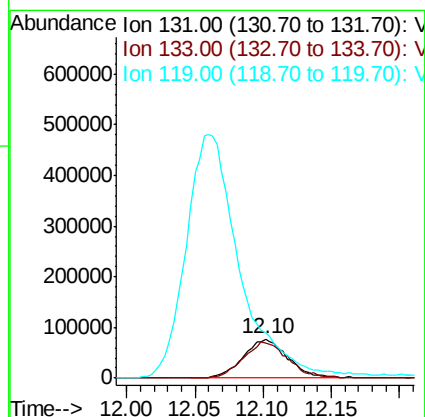
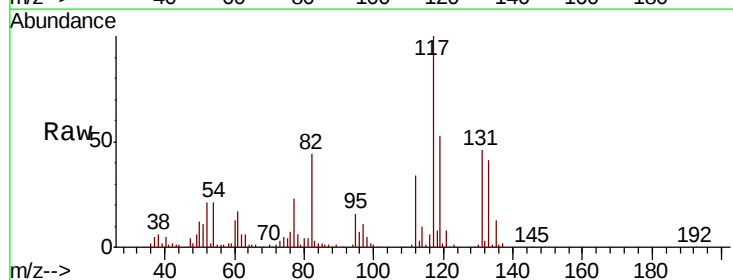
Manual Integrations
APPROVED

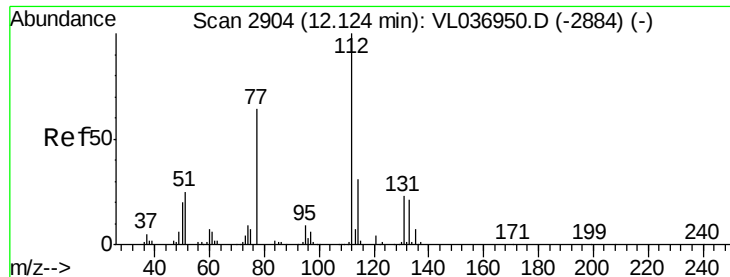
MMDadoda
5/20/2021 5:54:16 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 0.995 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	76.9	115.3
119	773.5	120.2	180.4#





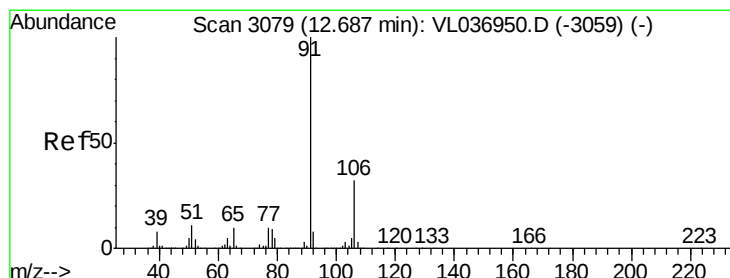
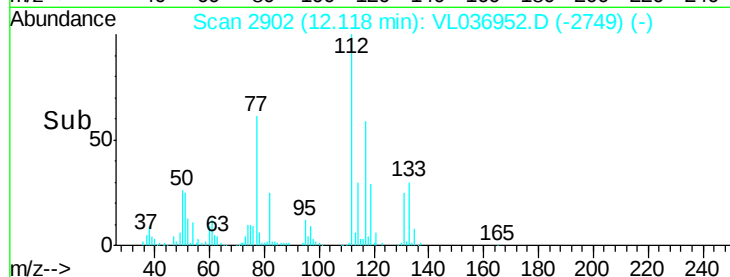
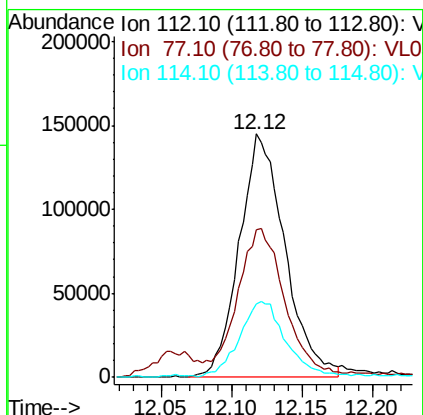
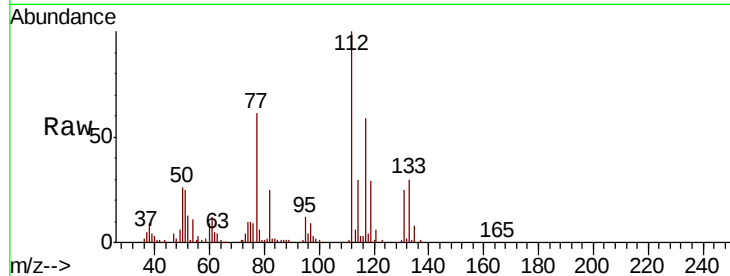
#57
Chlorobenzene
Concen: 1.028 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.01 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
112	100	328955		
77	58.5		51.0	76.6
114	29.3		28.3	34.5

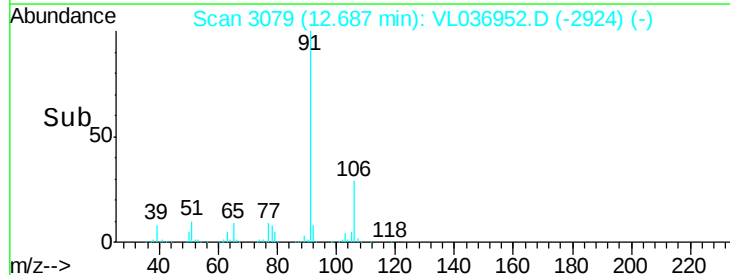
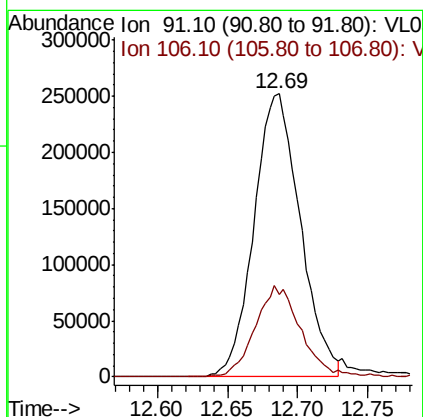
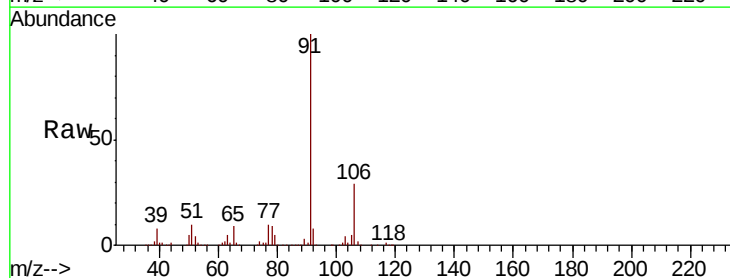
Manual Integrations
APPROVED

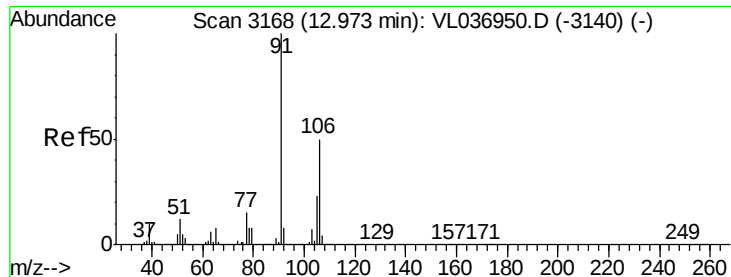
MMDadoda
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#58
Ethyl Benzene
Concen: 1.281 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. -0.00 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	577287		
106	29.1		25.6	38.4





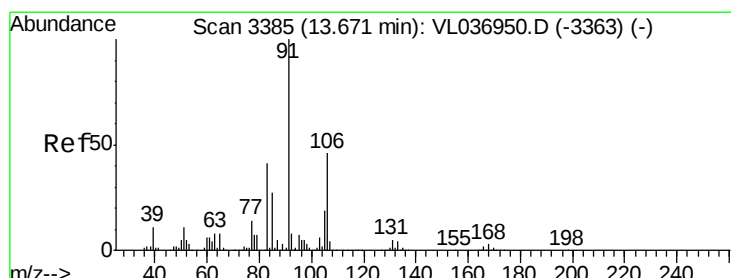
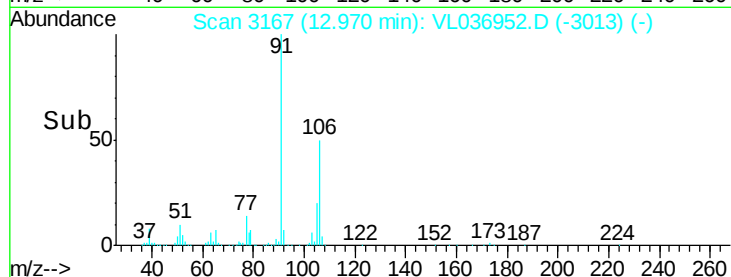
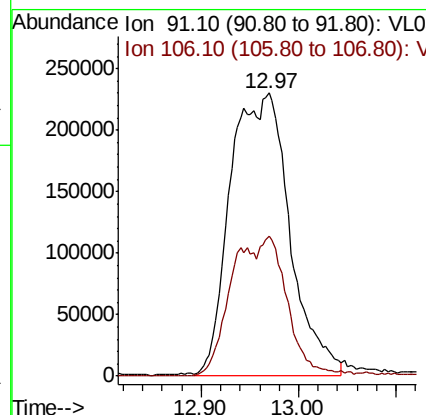
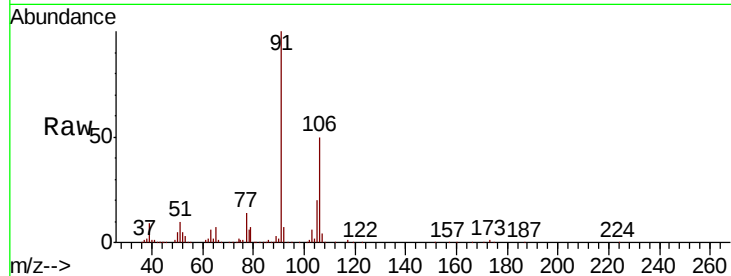
#59
m/p-Xylene
Concen: 2.312 ppbv m
RT: 12.97 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	45.5	37.4	56.2	

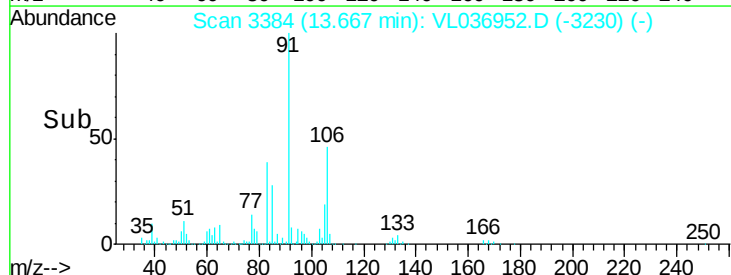
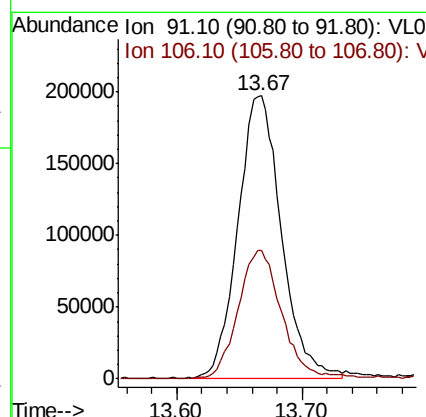
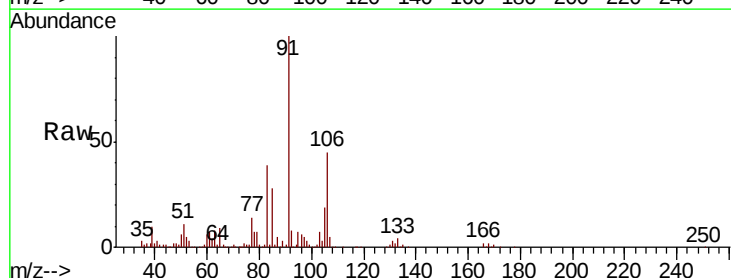
Manual Integrations
APPROVED

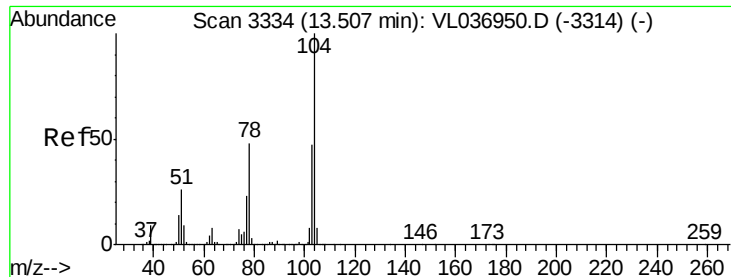
MMDadoda
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#60
o-Xylene
Concen: 1.154 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.00 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
106	46.8	23.4	70.3	





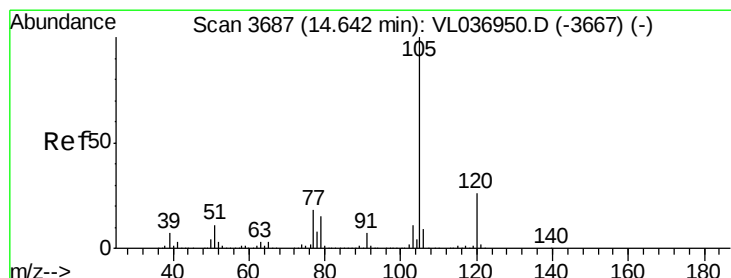
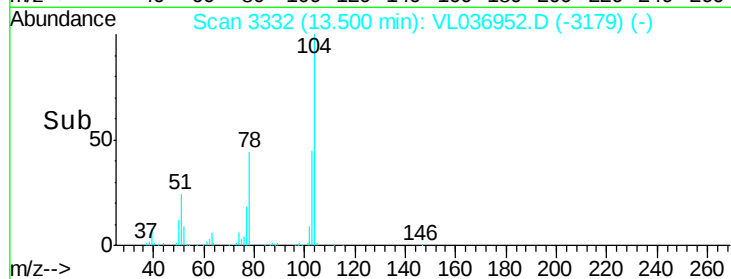
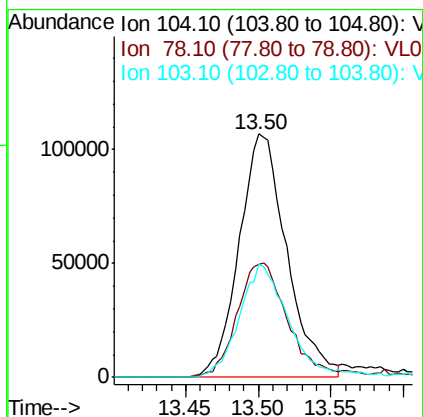
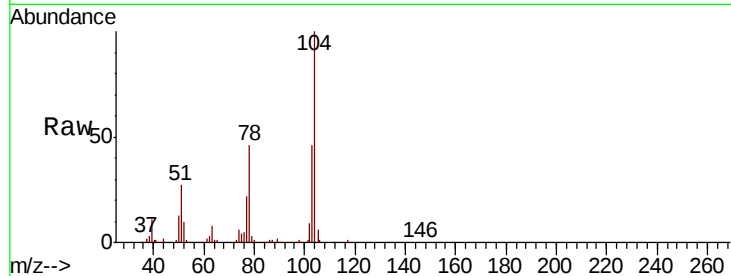
#61
Stvrene
Concen: 1.442 ppbv
RT: 13.50 min Scan# 3332
Delta R.T. -0.01 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.5	39.0	58.6
103	48.8	38.0	57.0

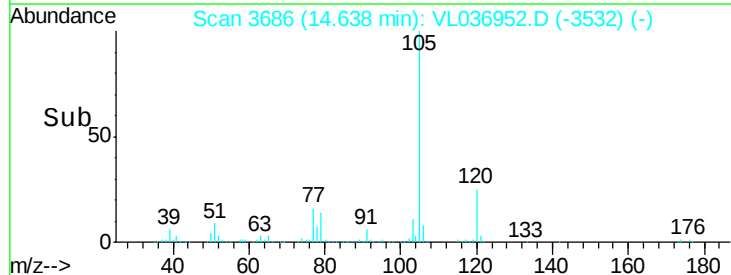
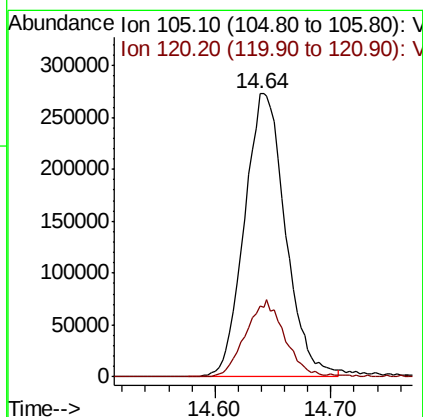
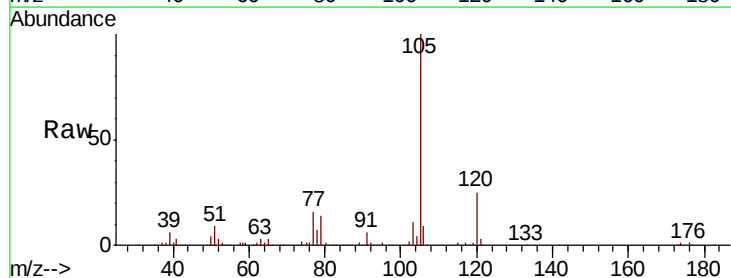
Manual Integrations
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#62
Isopropylbenzene
Concen: 1.205 ppbv
RT: 14.64 min Scan# 3686
Delta R.T. -0.00 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	21.7	32.5





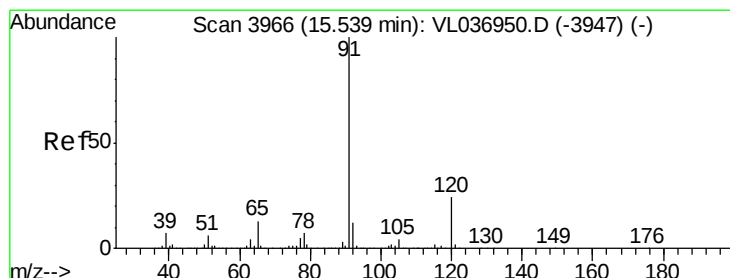
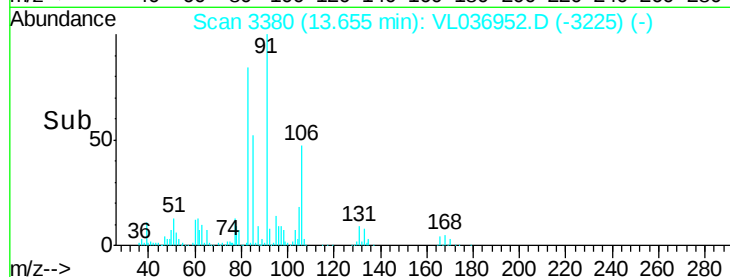
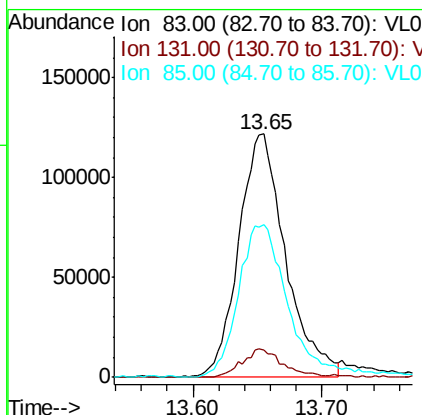
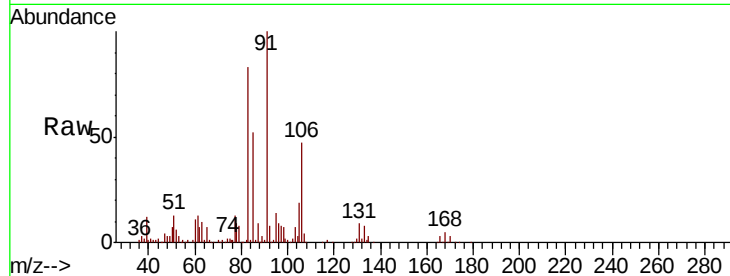
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.796 ppbv
 RT: 13.65 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VL036952.D
 Acq: 18 May 2021 3:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	83	Resp	308078
Ion Ratio	100	Lower	Upper
83	100		
131	10.8	5.0	15.0
85	67.5	32.9	98.6

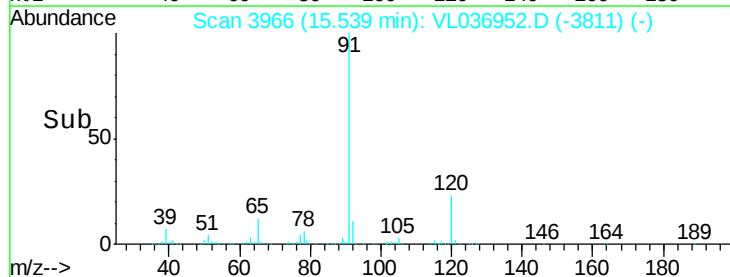
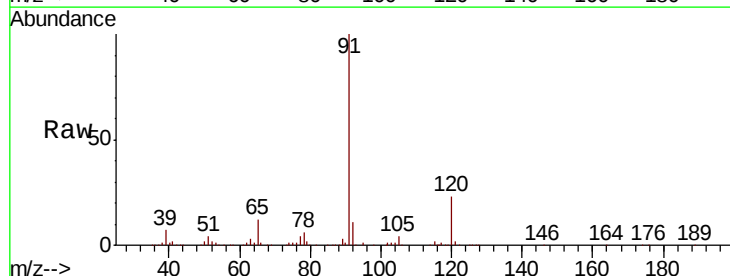
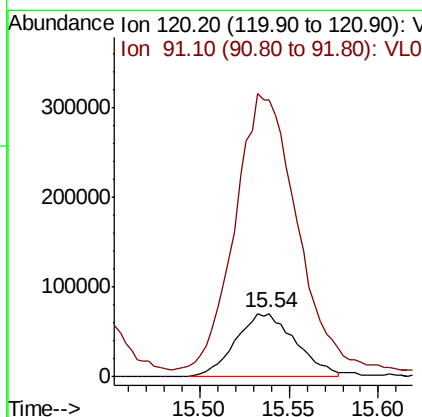
Manual Integrations
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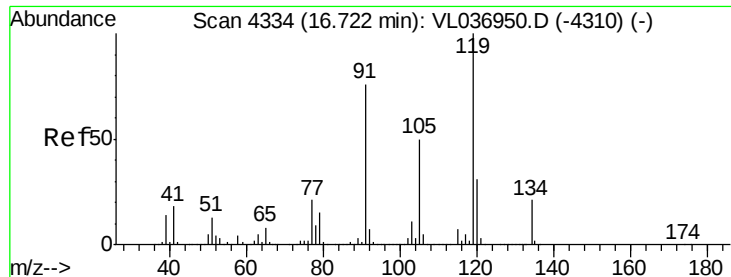
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#64
 n-propylbenzene
 Concen: 1.199 ppbv
 RT: 15.54 min Scan# 3966
 Delta R.T. -0.00 min
 Lab File: VL036952.D
 Acq: 18 May 2021 3:16

Tgt Ion	120	Resp	165732
Ion Ratio	100	Lower	Upper
120	100		
91	490.8	343.8	515.6





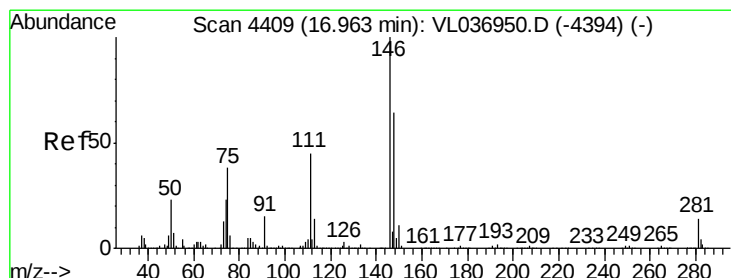
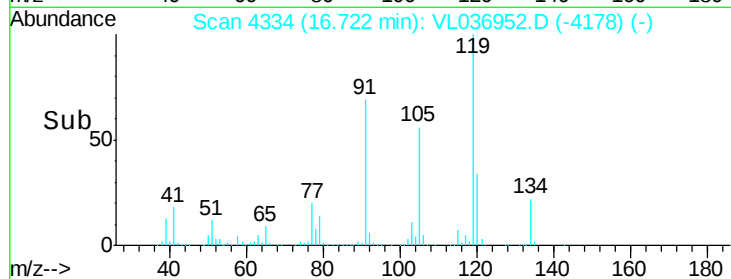
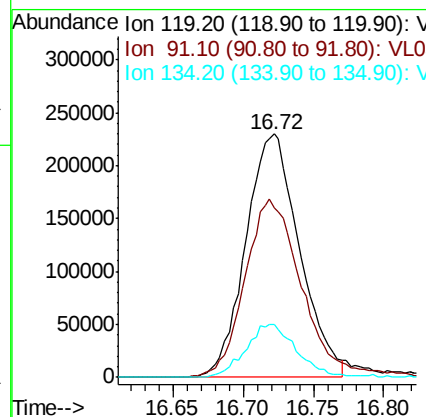
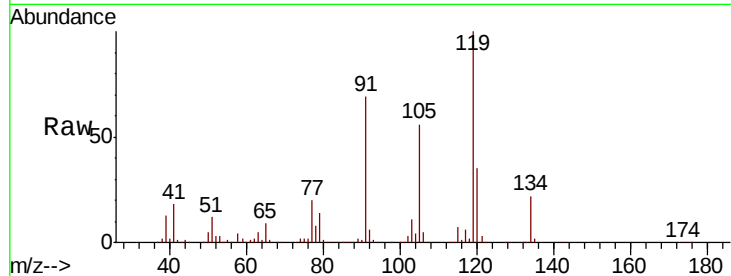
#65
tert-Butylbenzene
Concen: 1.226 ppbv
RT: 16.72 min Scan# 4334
Delta R.T. -0.00 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	607517		
91	78.7	61.9	92.9	
134	21.1	16.2	24.4	

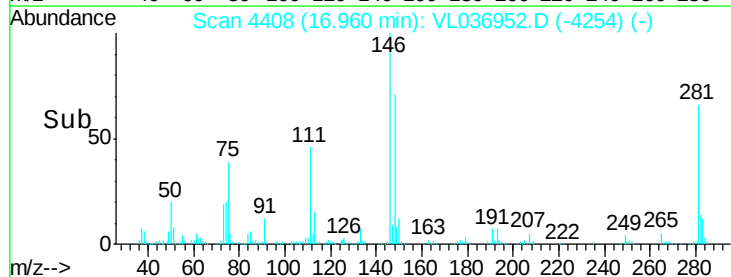
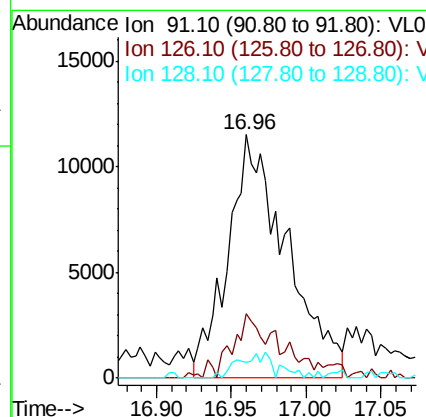
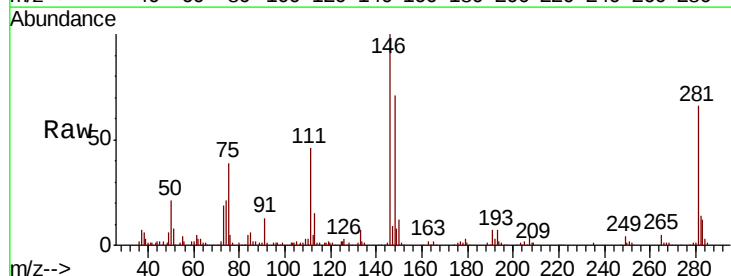
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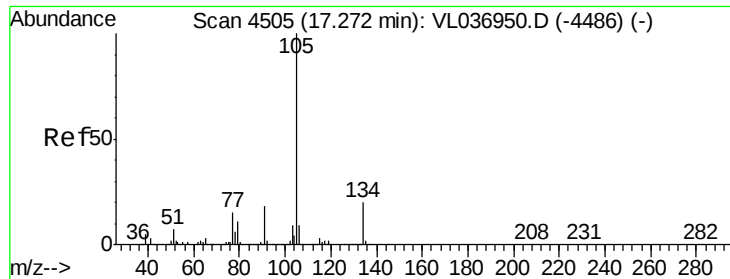
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#66
Benzyl Chloride
Concen: 0.693 ppbv m
RT: 16.96 min Scan# 4408
Delta R.T. -0.00 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	31249		
126	0.0	16.5	24.7#	
128	6.5	5.5	8.3	





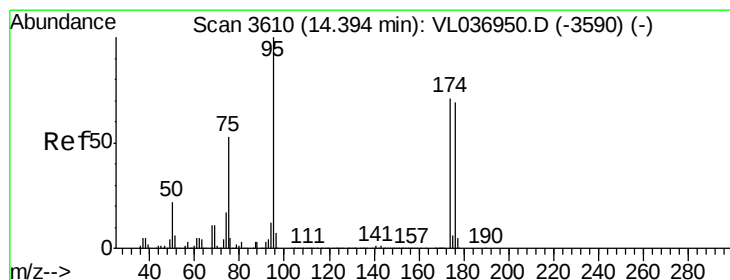
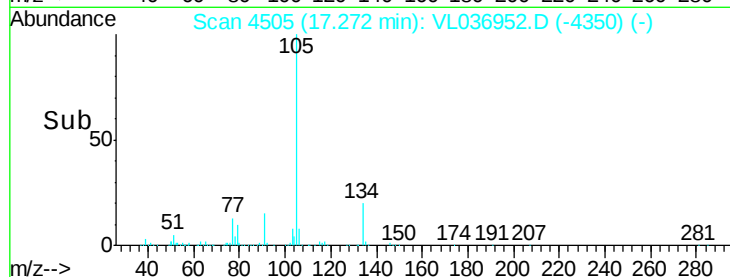
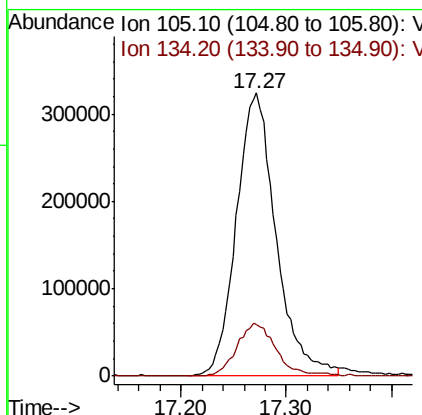
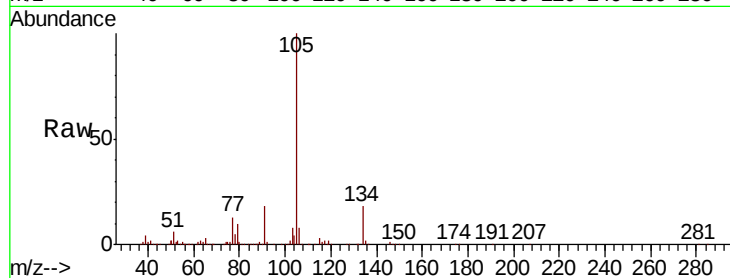
#67
 sec-Butylbenzene
 Concen: 1.203 ppbv
 RT: 17.27 min Scan# 4505
 Delta R.T. -0.00 min
 Lab File: VL036952.D
 Acq: 18 May 2021 3:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.8	15.6	23.4

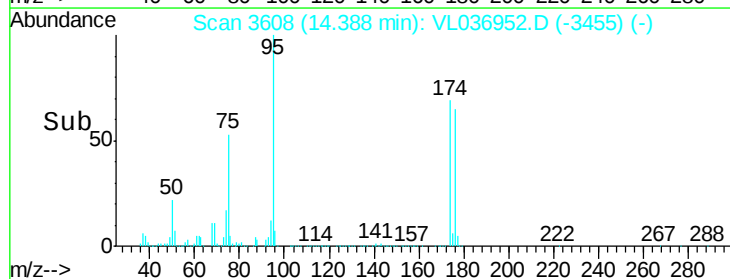
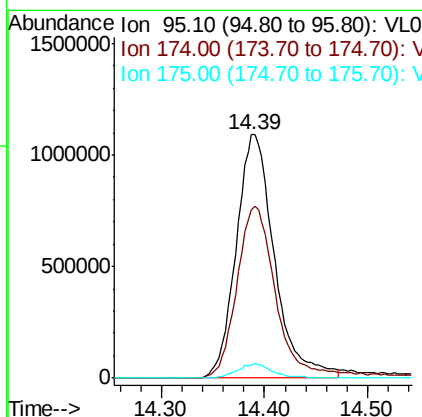
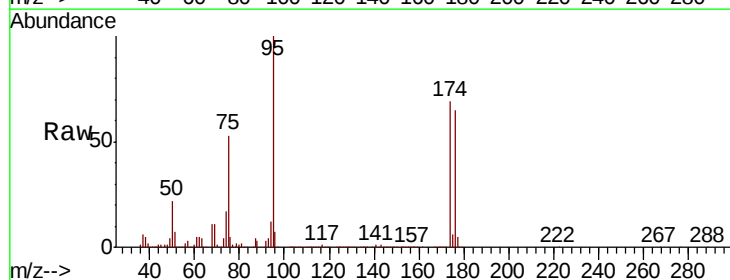
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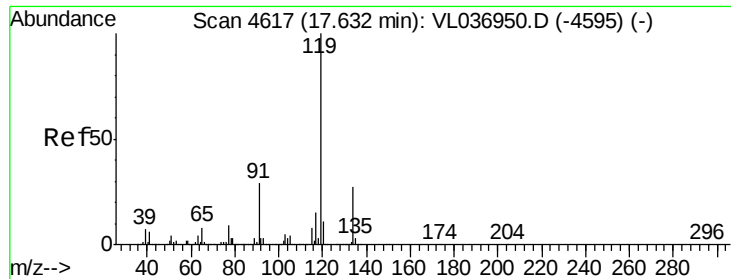
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.526 ppbv
 RT: 14.39 min Scan# 3608
 Delta R.T. -0.01 min
 Lab File: VL036952.D
 Acq: 18 May 2021 3:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.2	58.4	87.6
175	5.8	4.4	6.6





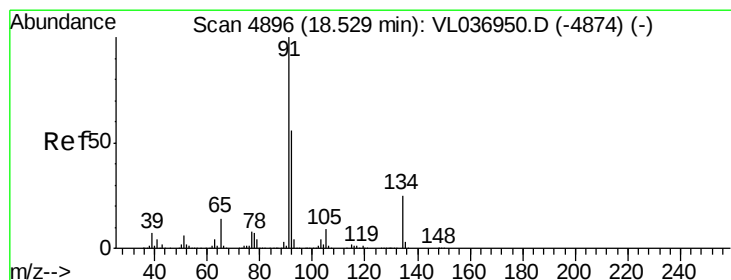
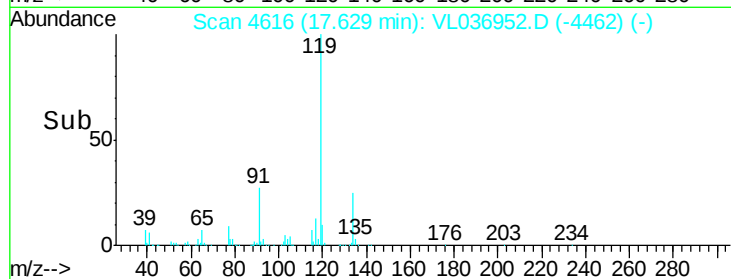
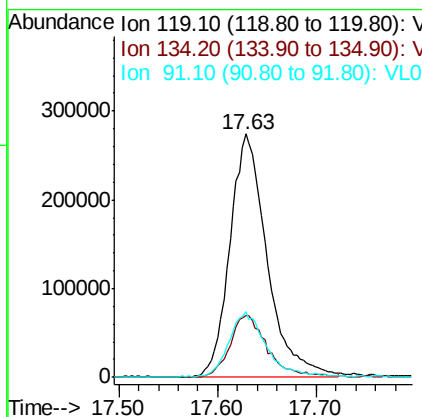
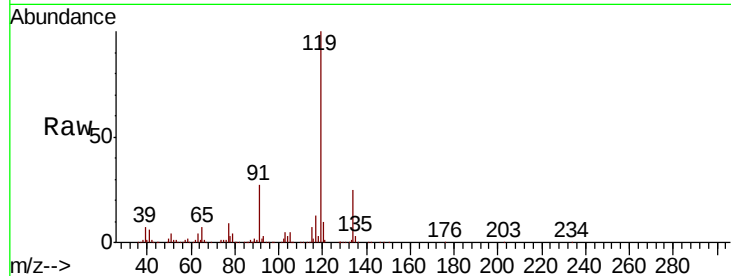
#69
 p-Isopropyltoluene
 Concen: 1.348 ppbv
 RT: 17.63 min Scan# 4616
 Delta R.T. -0.00 min
 Lab File: VL036952.D
 Acq: 18 May 2021 3:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	717857		
134	25.9		21.2	31.8
91	26.9		22.2	33.4

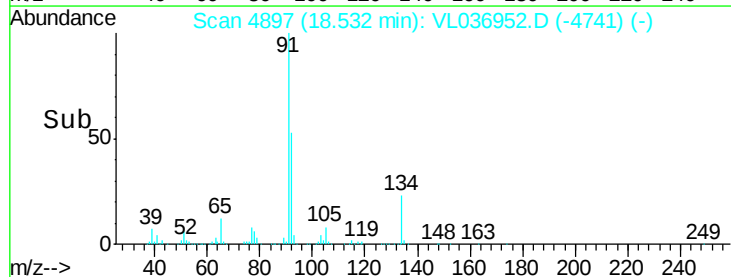
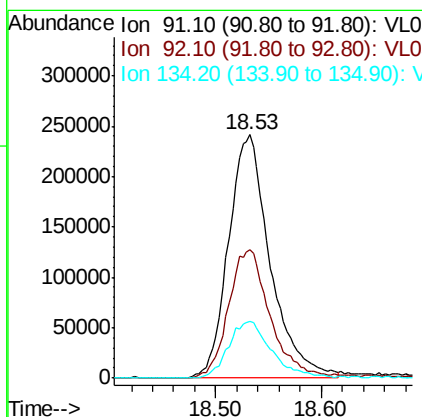
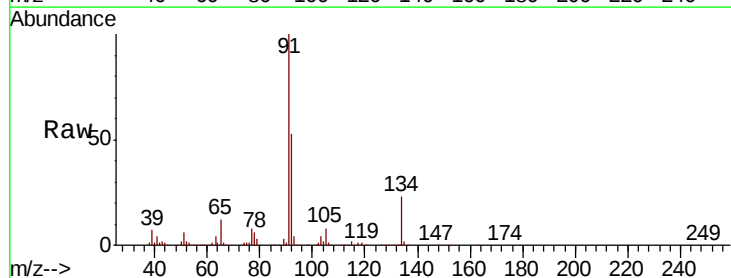
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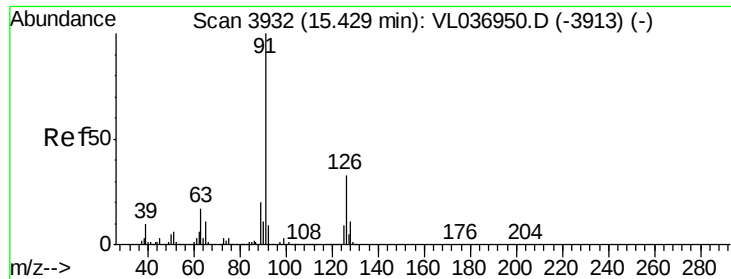
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#70
 n-Butylbenzene
 Concen: 1.230 ppbv
 RT: 18.53 min Scan# 4897
 Delta R.T. 0.00 min
 Lab File: VL036952.D
 Acq: 18 May 2021 3:16

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	656757		
92	54.1		44.6	66.8
134	25.1		20.2	30.2





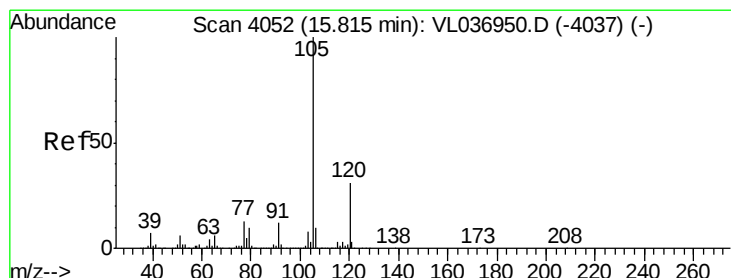
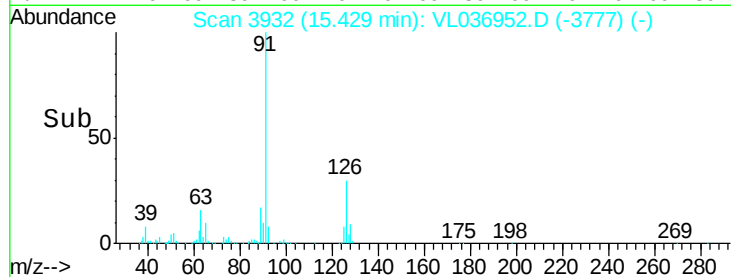
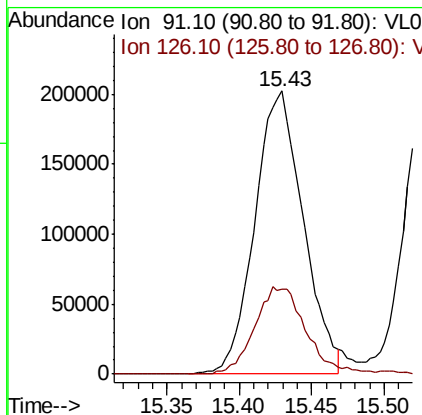
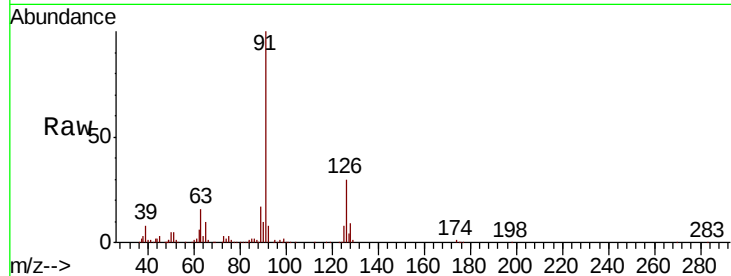
#71
 2-Chlorotoluene
 Concen: 1.175 ppbv
 RT: 15.43 min Scan# 3932
 Delta R.T. -0.00 min
 Lab File: VL036952.D
 Acq: 18 May 2021 3:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion: 91 Resp: 469249
 Ion Ratio Lower Upper
 91 100
 126 33.4 13.1 52.5

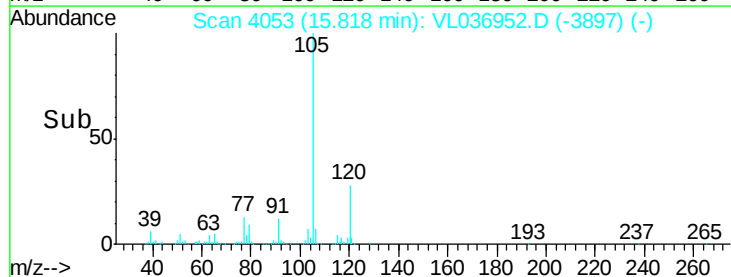
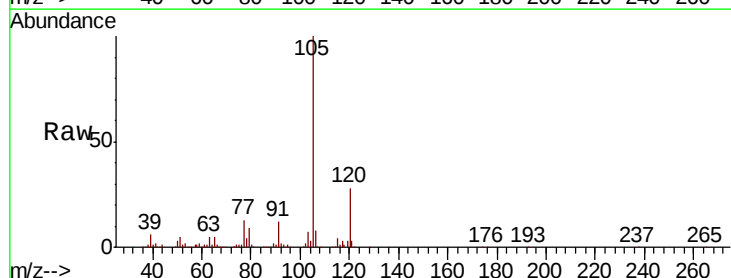
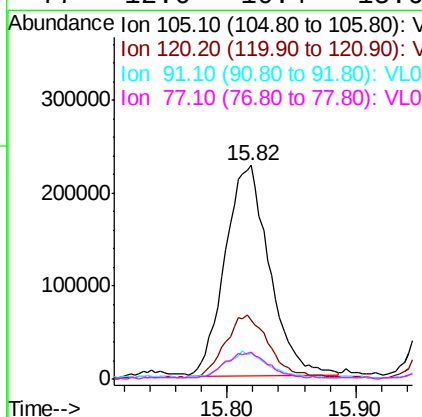
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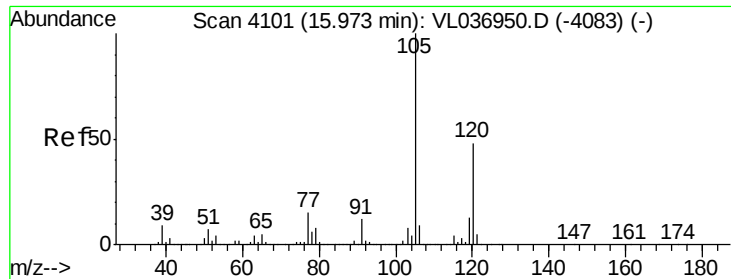
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#72
 4-Ethyltoluene
 Concen: 1.280 ppbv
 RT: 15.82 min Scan# 4053
 Delta R.T. 0.00 min
 Lab File: VL036952.D
 Acq: 18 May 2021 3:16

Tgt Ion: 105 Resp: 543015
 Ion Ratio Lower Upper
 105 100
 120 31.5 24.6 37.0
 91 12.1 9.8 14.6
 77 12.6 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 1.190 ppbv

RT: 15.97 min Scan# 4101

Delta R.T. -0.00 min

Lab File: VL036952.D

Acq: 18 May 2021 3:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 493390

Ion Ratio Lower Upper

105 100

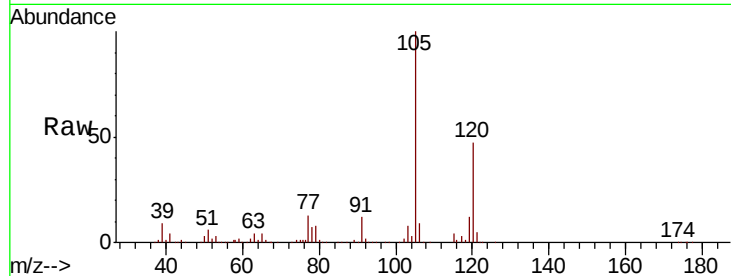
120 47.3 38.6 58.0

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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

200000

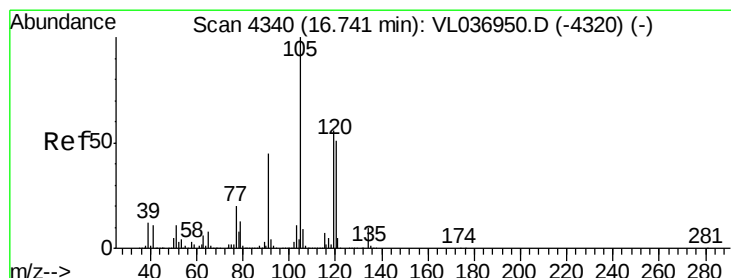
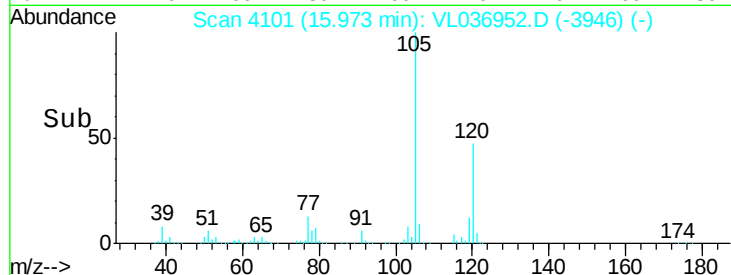
150000

100000

50000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 1.198 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.00 min

Lab File: VL036952.D

Acq: 18 May 2021 3:16

Tgt Ion:105 Resp: 545399

Ion Ratio Lower Upper

105 100

120 46.3 40.6 61.0

91 37.9 37.4 56.0

77 18.8 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

300000

250000

200000

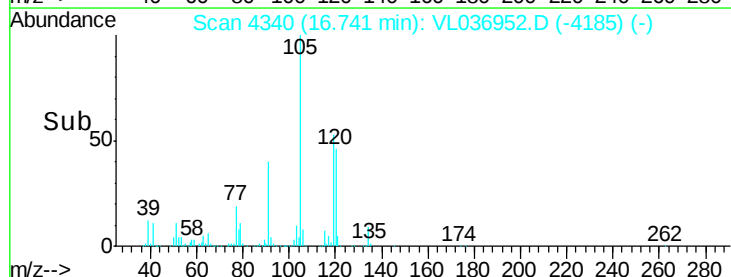
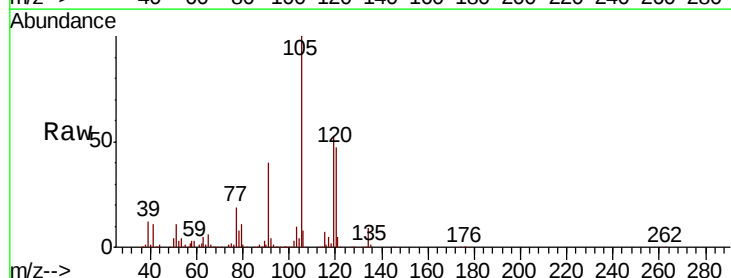
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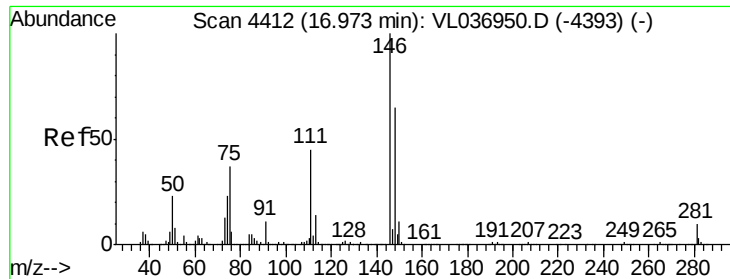
100000

50000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 1.050 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. -0.00 min

Lab File: VL036952.D

Acq: 18 May 2021 3:16

Instrument :

MSVOA_L

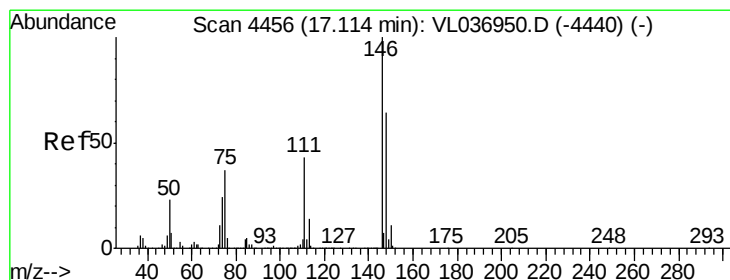
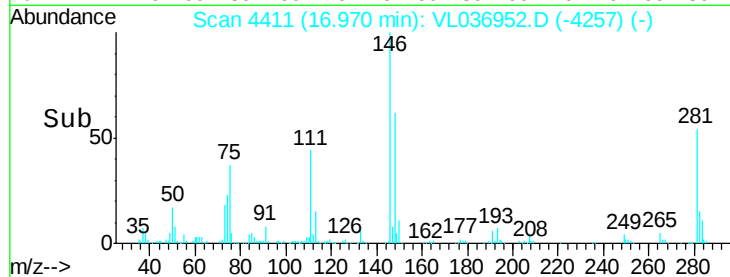
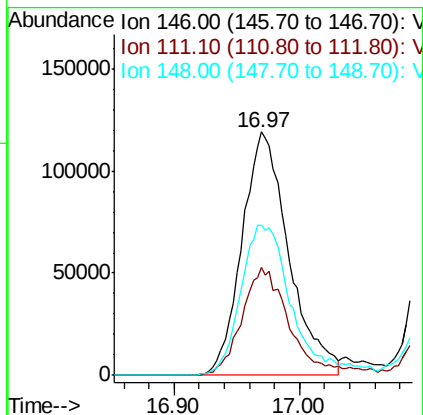
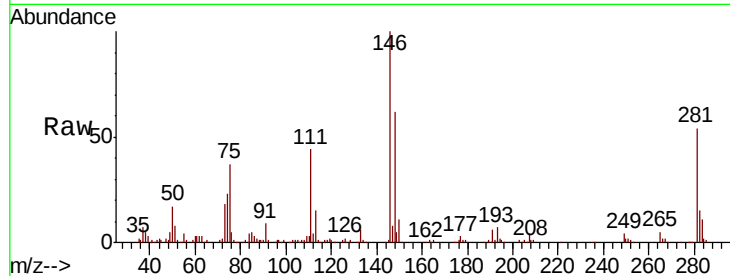
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	309974
Ion Ratio		Lower	Upper
146	100		
111	44.9	22.2	66.6
148	67.7	32.3	96.8

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#76

1,4-Dichlorobenzene

Concen: 1.243 ppbv m

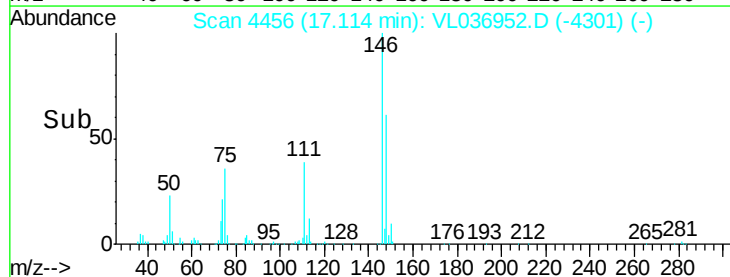
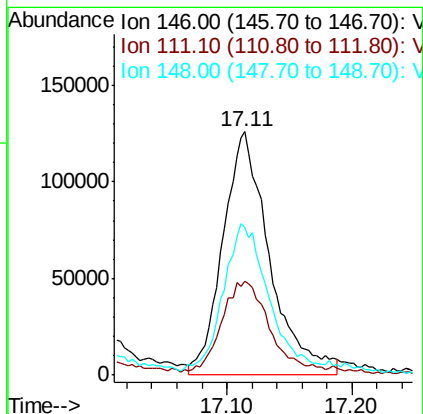
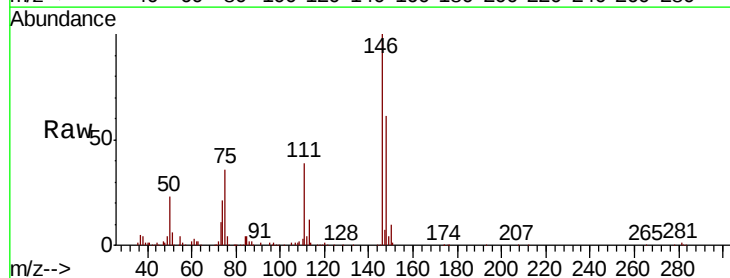
RT: 17.11 min Scan# 4456

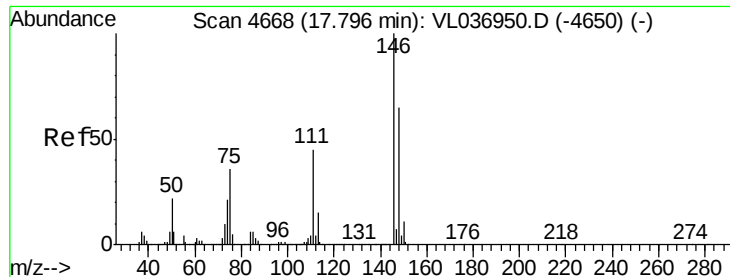
Delta R.T. -0.00 min

Lab File: VL036952.D

Acq: 18 May 2021 3:16

Tgt Ion:	146	Resp:	327896
Ion Ratio		Lower	Upper
146	100		
111	41.8	22.6	67.7
148	63.9	33.5	100.5





#77

1,2-Dichlorobenzene

Concen: 1.213 ppbv m

RT: 17.79 min Scan# 4667

Delta R.T. -0.00 min

Lab File: VL036952.D

Acq: 18 May 2021 3:16

Instrument :

MSVOA_L

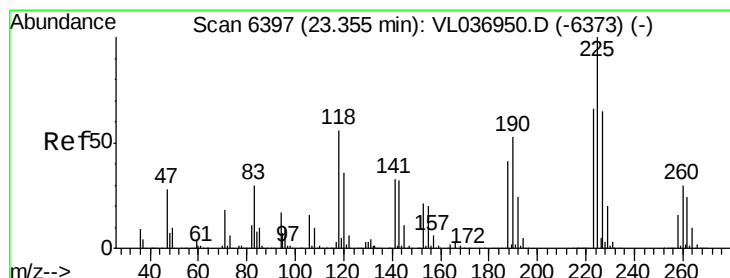
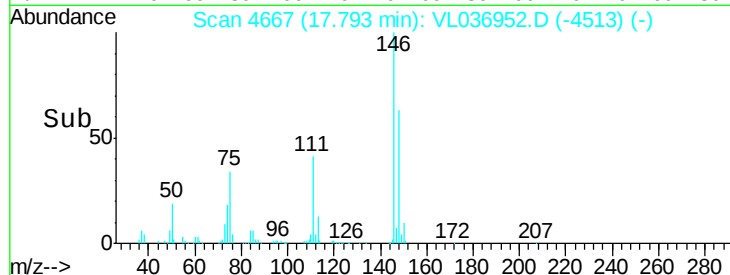
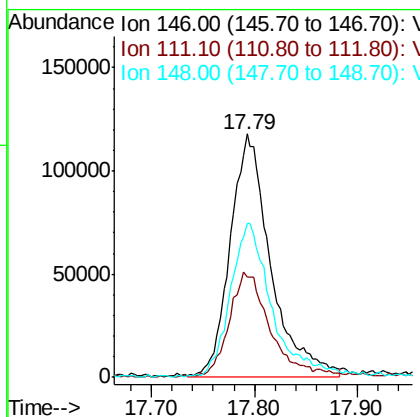
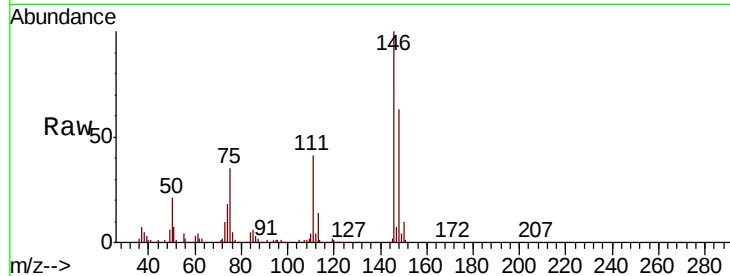
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	324278
Ion Ratio	Lower	Upper	
146	100		
111	43.9	23.1	69.2
148	64.0	32.5	97.4

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#78

Hexachloro-1,3-Butadiene

Concen: 1.128 ppbv

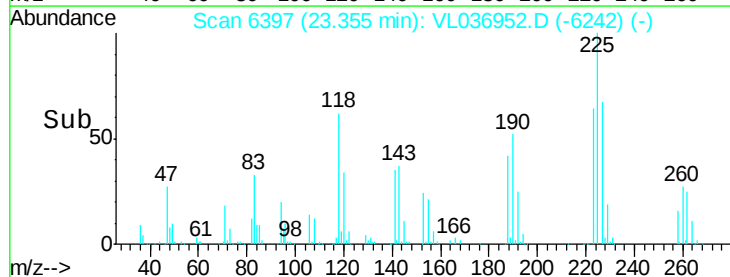
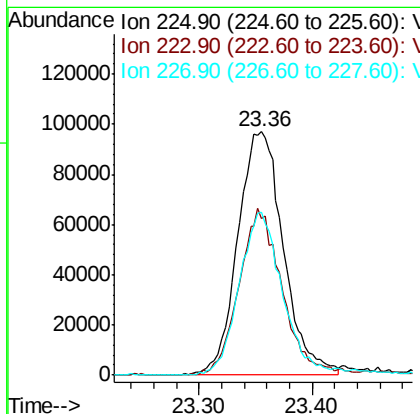
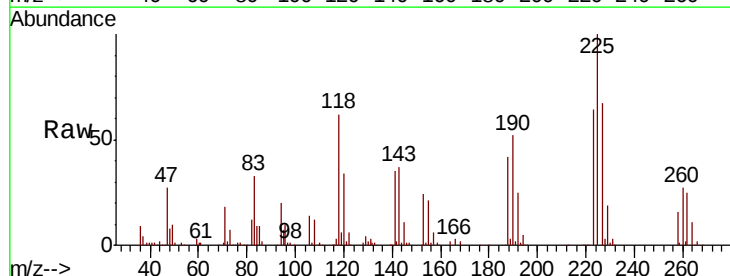
RT: 23.36 min Scan# 6397

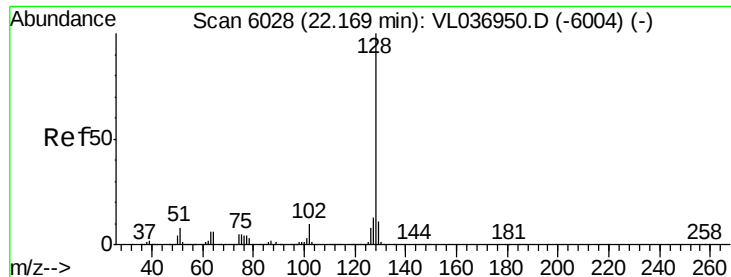
Delta R.T. -0.00 min

Lab File: VL036952.D

Acq: 18 May 2021 3:16

Tgt Ion:	225	Resp:	269289
Ion Ratio	Lower	Upper	
225	100		
223	67.5	51.9	77.9
227	66.4	51.8	77.6





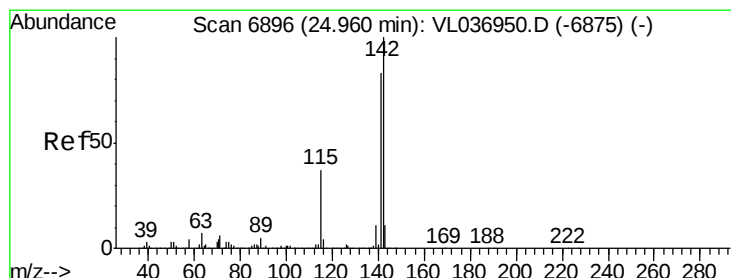
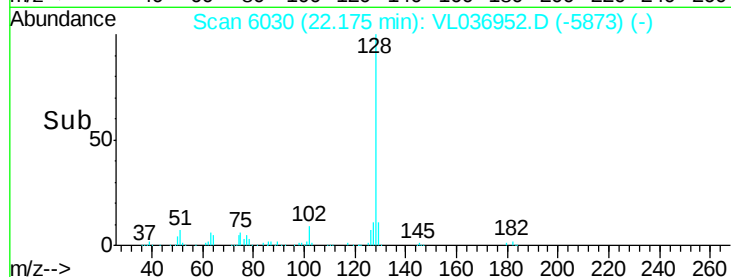
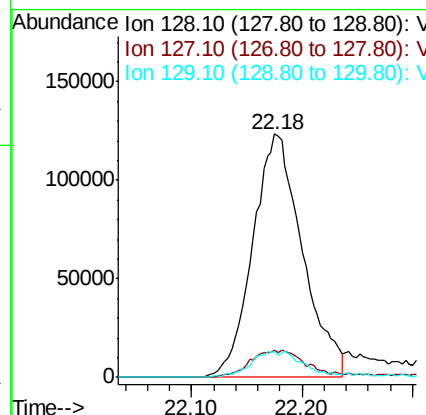
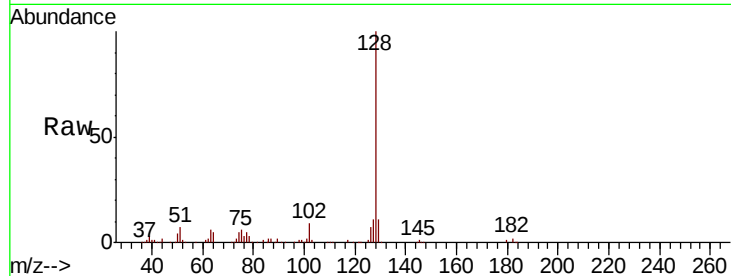
#79
Naphthalene
Concen: 1.873 ppbv
RT: 22.18 min Scan# 6030
Delta R.T. 0.01 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.4	15.6
129	10.8	9.0	13.6

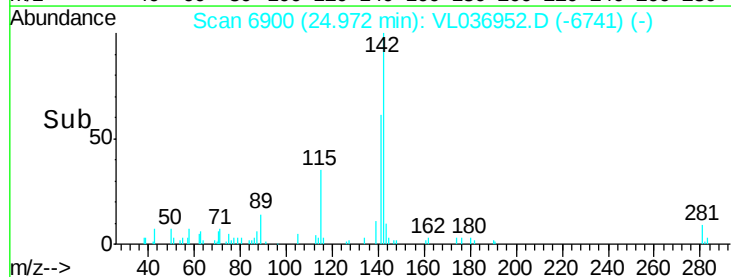
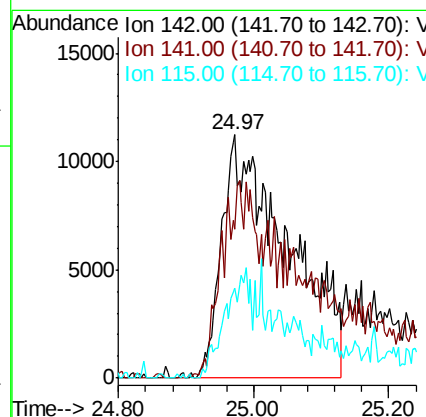
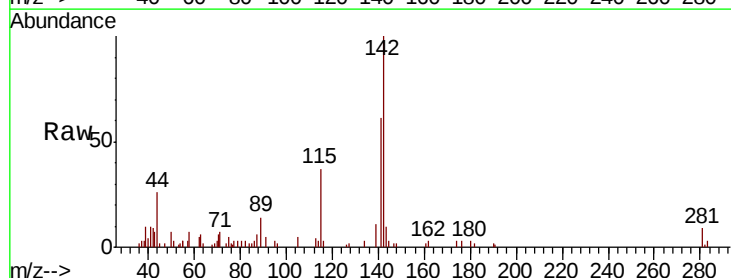
Manual Integrations
APPROVED

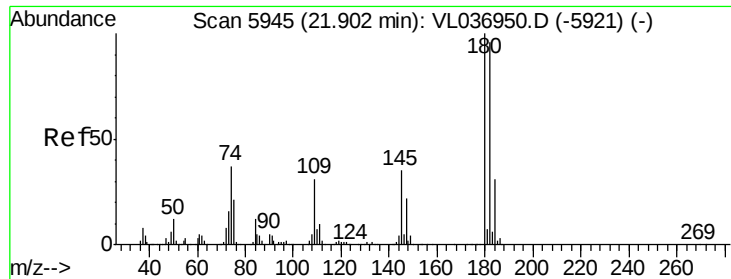
MMDadoda
5/20/2021 5:54:16 PM



#80
Naphthalene, 2-methyl-
Concen: 2.526 ppbv m
RT: 24.97 min Scan# 6900
Delta R.T. 0.01 min
Lab File: VL036952.D
Acq: 18 May 2021 3:16

Tgt Ion	Ratio	Lower	Upper
142	100		
141	31.9	69.3	103.9#
115	11.4	29.1	43.7#





#81
 1,2,4-Trichlorobenzene
 Concen: 1.631 ppbv m
 RT: 21.91 min Scan# 5948
 Delta R.T. 0.01 min
 Lab File: VL036952.D
 Acq: 18 May 2021 3:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
180	100	240117		
182	0.0	81.7	122.5#	
184	0.0	24.9	37.3#	

Manual Integrations
 APPROVED

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 5/20/2021 5:54:16 PM

