

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061421\
 Data File : VL037148.D
 Acq On : 14 Jun 2021 14:15
 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
 6/15/2021 6:30:22 PM

Quant Time: Jun 14 14:54:08 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1641344	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4770288	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	4274524	10.00	ppbv	0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	3153426	9.82	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	166448	0.598	ppbv	98
3) Chlorodifluoromethane	2.99	51	156322	0.520	ppbv	98
4) Chloromethane	3.15	50	50884	0.497	ppbv	98
5) Vinyl Chloride	3.26	62	51308	0.459	ppbv #	84
6) Bromomethane	3.48	94	31470m	0.534	ppbv	
7) Chloroethane	3.56	64	18207	0.501	ppbv #	85
8) Dichlorotetrafluoroethane	3.19	85	144112	0.551	ppbv	93
9) Propene	3.01	41	52653	0.489	ppbv	99
10) Heptane	8.13	43	112251	0.418	ppbv	99
11) Trichlorofluoromethane	3.96	101	148054	0.574	ppbv	90
12) 1,1,2-Trichlorotrifluoroet	4.49	101	98027	0.534	ppbv	91
13) Ethanol	3.63	45	7439m	0.518	ppbv	
14) Bromoethene	3.75	108	42863m	0.530	ppbv	
15) Acetone	3.88	43	112446m	0.669	ppbv	
16) 1,3-Butadiene	3.33	39	49970	0.478	ppbv	93
17) tert-Butyl alcohol	4.34	59	81756m	0.531	ppbv	
18) 1,1-Dichloroethene	4.30	96	46335m	0.546	ppbv	
19) Isopropyl Alcohol	4.01	45	52242m	0.578	ppbv	
20) Methylene Chloride	4.35	84	50345m	0.559	ppbv	
21) Allyl Chloride	4.42	41	65896m	0.520	ppbv	
22) trans-1,2-Dichloroethene	4.90	96	42218m	0.519	ppbv	
23) Vinyl Acetate	5.10	43	121878m	0.457	ppbv	
24) 1,1-Dichloroethane	5.02	63	96559	0.503	ppbv	98
25) Ethyl Acetate	5.70	43	186120m	0.461	ppbv	
26) Hexane	5.69	57	94926m	0.460	ppbv	
27) Carbon Disulfide	4.56	76	82957m	0.399	ppbv	
28) Methyl tert-Butyl Ether	5.06	73	112452	0.455	ppbv	99
29) Chloroform	5.76	83	152247	0.522	ppbv	99
30) Cyclohexane	7.14	84	82083m	0.468	ppbv	
31) cis-1,2-Dichloroethene	5.56	61	86689m	0.469	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	140581	0.449	ppbv	96
34) 2-Butanone	5.28	43	91311m	0.526	ppbv	
35) Carbon Tetrachloride	7.03	117	147656	0.466	ppbv	99
36) Benzene	6.90	78	181636	0.442	ppbv	96
37) 1,2-Dichloroethane	6.32	62	103588	0.508	ppbv	99
38) Trichloroethene	7.85	130	81169m	0.462	ppbv	
39) 1,2-Dichloropropane	7.63	63	68487	0.433	ppbv	96
40) 1,4-Dioxane	7.90	88	20137m	0.539	ppbv	
41) Tetrahydrofuran	6.10	42	39515m	0.399	ppbv	
42) Bromodichloromethane	7.80	83	131586	0.427	ppbv #	86
43) Methyl Methacrylate	8.04	69	56113m	0.396	ppbv	

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Manual Integrations
 APPROVED

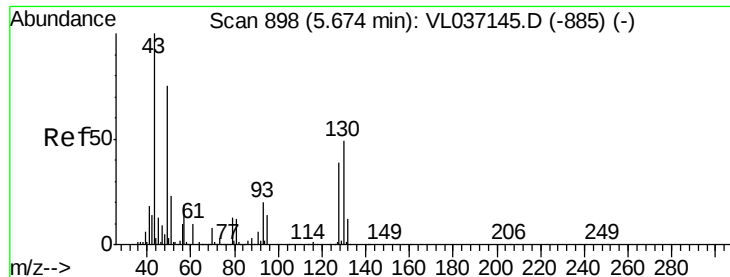
MMDadoda
 6/15/2021 6:30:22 PM

Quant Time: Jun 14 14:54:08 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061421AIR.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	7.88	57	311421	0.442	ppbv	95
45) t-1,3-Dichloropropene	9.29	75	42055m	0.389	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	63524m	0.437	ppbv	
47) 1,1,2-Trichloroethane	9.49	97	83101m	0.502	ppbv	
48) Dibromochloromethane	10.32	129	106216m	0.396	ppbv	
49) Bromoform	13.05	173	71646m	0.323	ppbv	
50) 4-Methyl-2-Pentanone	8.79	43	119521m	0.417	ppbv	
51) 2-Hexanone	10.19	43	57864m	0.382	ppbv	
52) Tetrachloroethene	11.24	164	78589	0.481	ppbv	95
53) Toluene	9.82	91	207713m	0.425	ppbv	
54) 1,2-Dibromoethane	10.62	107	114982m	0.488	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.14	131	89956	0.500	ppbv #	1
57) Chlorobenzene	12.16	112	176202	0.532	ppbv	94
58) Ethyl Benzene	12.73	91	275982	0.457	ppbv	93
59) m/p-Xylene	13.01	91	482825m	0.968	ppbv	
60) o-Xylene	13.70	91	233934	0.492	ppbv	97
61) Styrene	13.54	104	103103m	0.385	ppbv	
62) Isopropylbenzene	14.68	105	343451	0.502	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.69	83	163437	0.460	ppbv	99
64) n-propylbenzene	15.58	120	78400m	0.445	ppbv	
65) tert-Butylbenzene	16.76	119	297719	0.483	ppbv	93
66) Benzyl Chloride	17.02	91	10905m	0.319	ppbv	
67) sec-Butylbenzene	17.31	105	416720m	0.495	ppbv	
69) p-Isopropyltoluene	17.67	119	324479m	0.449	ppbv	
70) n-Butylbenzene	18.57	91	281897m	0.410	ppbv	
71) 2-Chlorotoluene	15.47	91	231273	0.468	ppbv	100
72) 4-Ethyltoluene	15.85	105	256797m	0.455	ppbv	
73) 1,3,5-Trimethylbenzene	16.01	105	266116m	0.502	ppbv	
74) 1,2,4-Trimethylbenzene	16.78	105	250868	0.458	ppbv #	90
75) 1,3-Dichlorobenzene	17.00	146	154960m	0.463	ppbv	
76) 1,4-Dichlorobenzene	17.16	146	163255m	0.482	ppbv	
77) 1,2-Dichlorobenzene	17.83	146	160277m	0.478	ppbv	
78) Hexachloro-1,3-Butadiene	23.39	225	127561m	0.473	ppbv	
79) Naphthalene	22.23	128	96730m	0.225	ppbv	
80) Naphthalene, 2-methyl-	25.13	142	15997m	0.171	ppbv	
81) 1,2,4-Trichlorobenzene	21.96	180	75153m	0.287	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.03 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 49 Resp: 1641344

Ion Ratio Lower Upper

49 100

128 55.7 26.9 80.7

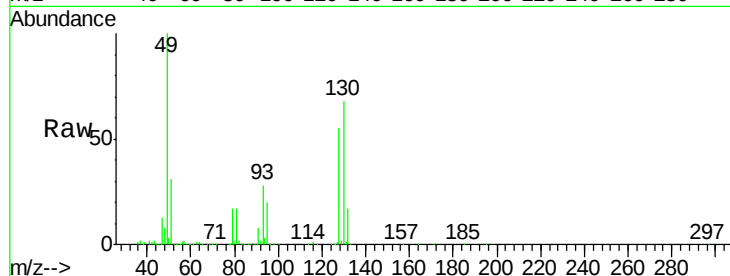
130 70.8 33.8 101.4

Manual Integrations

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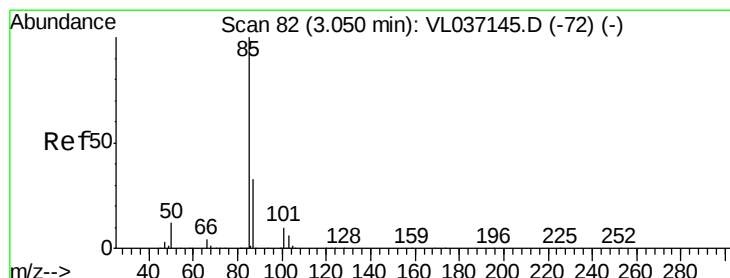
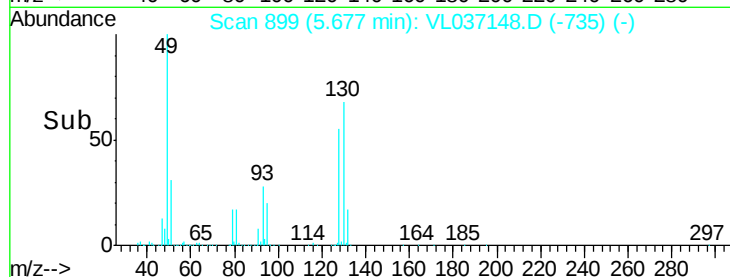
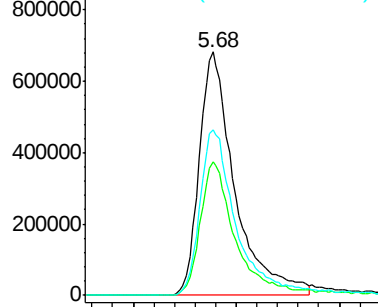
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.598 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.02 min

Lab File: VL037148.D

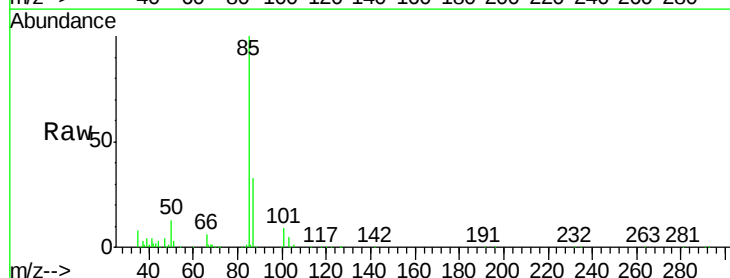
Acq: 14 Jun 2021 14:15

Tgt Ion: 85 Resp: 166448

Ion Ratio Lower Upper

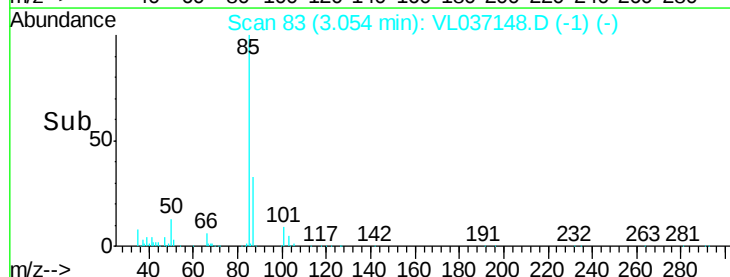
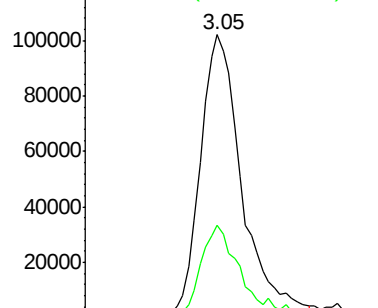
85 100

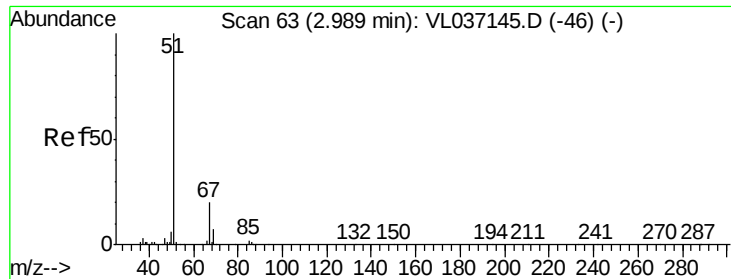
87 32.3 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.520 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.02 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 51 Resp: 156322

Ion Ratio Lower Upper

51 100

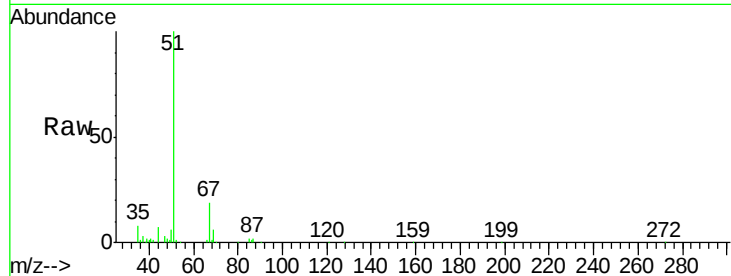
67 19.3 14.6 21.8

Manual Integrations

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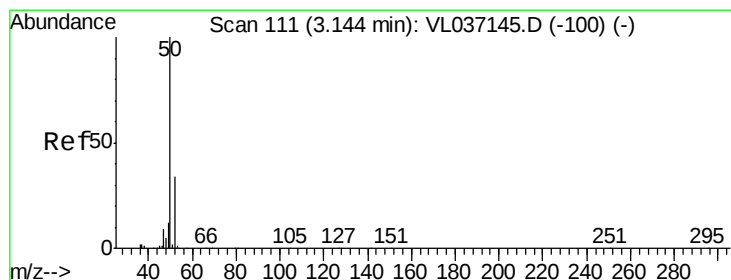
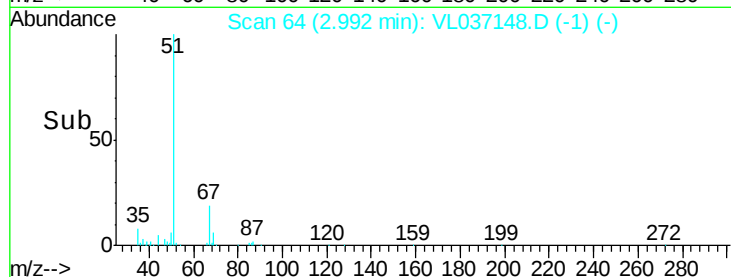
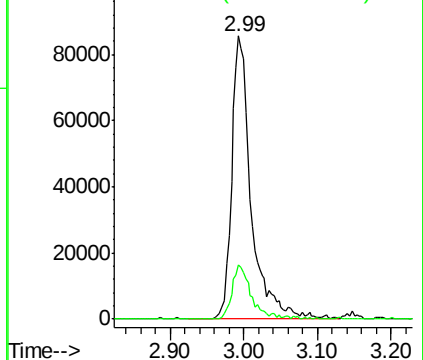
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.497 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.02 min

Lab File: VL037148.D

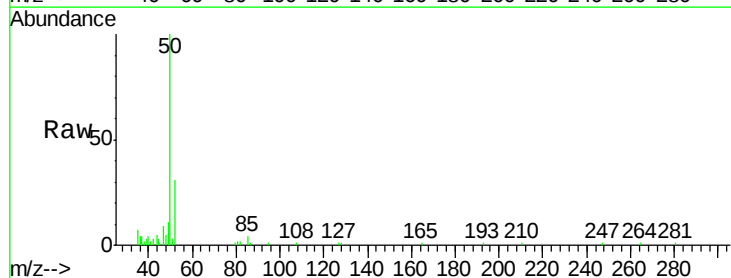
Acq: 14 Jun 2021 14:15

Tgt Ion: 50 Resp: 50884

Ion Ratio Lower Upper

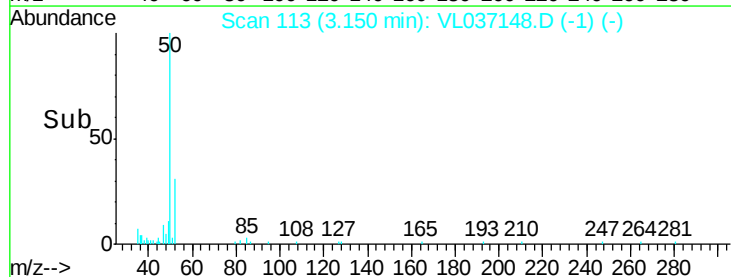
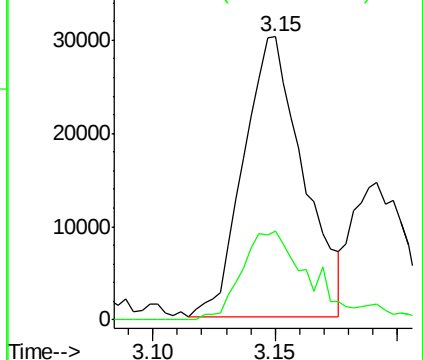
50 100

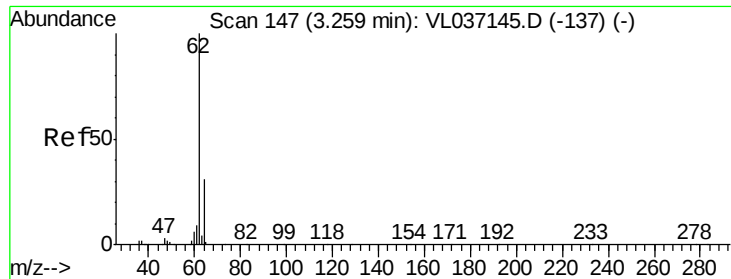
52 31.3 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.459 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.02 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 51308

Ion Ratio Lower Upper

62 100

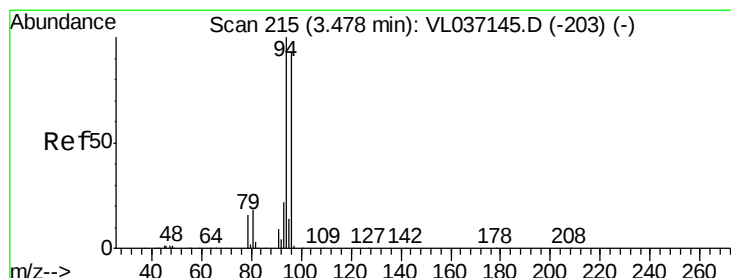
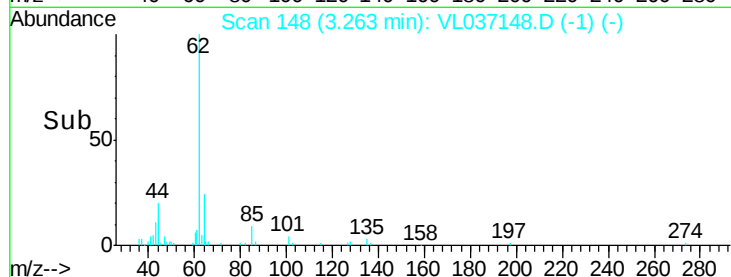
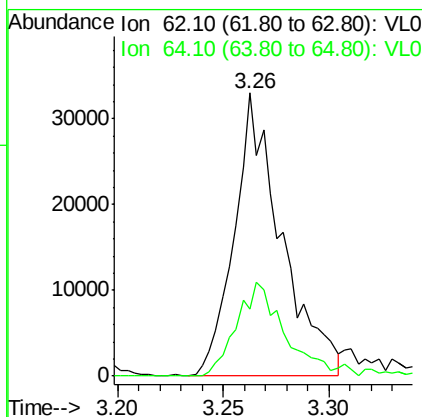
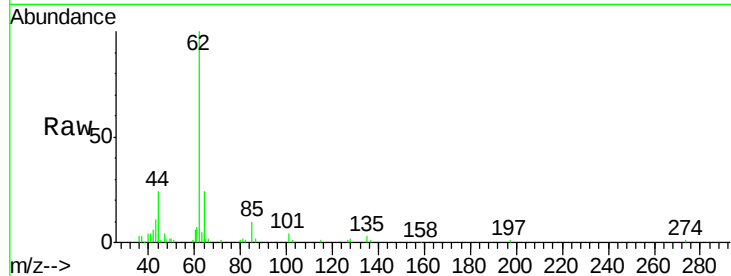
64 23.7 25.9 38.9#

Manual Integrations

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#6

Bromomethane

Concen: 0.534 ppbv m

RT: 3.48 min Scan# 216

Delta R.T. 0.02 min

Lab File: VL037148.D

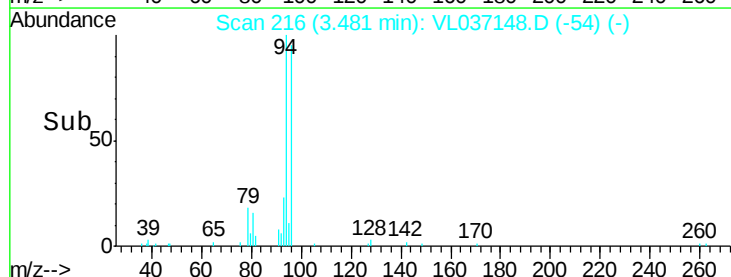
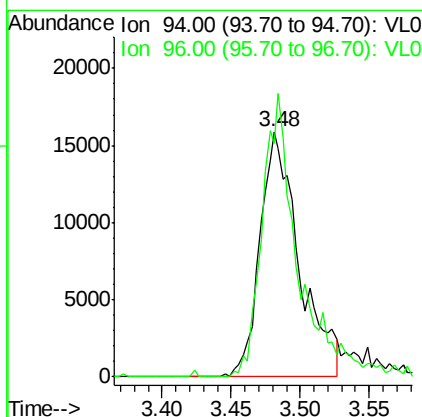
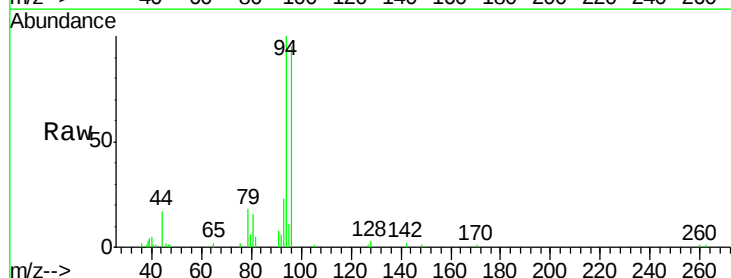
Acq: 14 Jun 2021 14:15

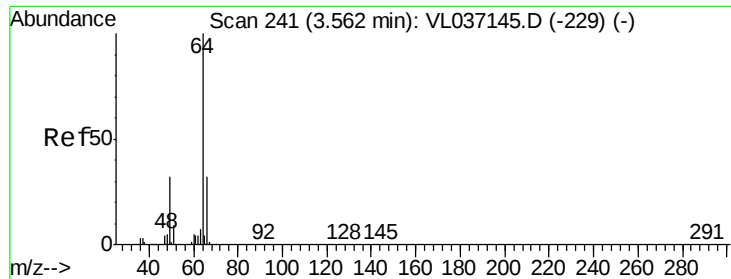
Tgt Ion: 94 Resp: 31470

Ion Ratio Lower Upper

94 100

96 95.2 74.0 111.0





#7

Chloroethane

Concen: 0.501 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.02 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 18207

Ion Ratio Lower Upper

64 100

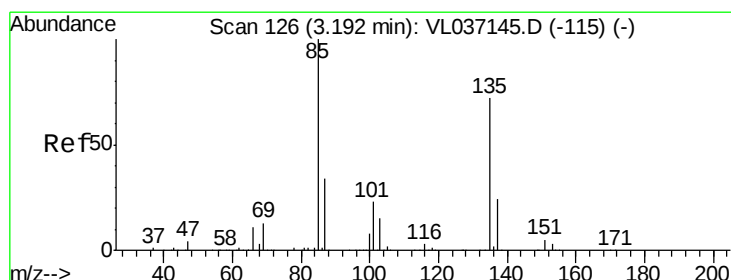
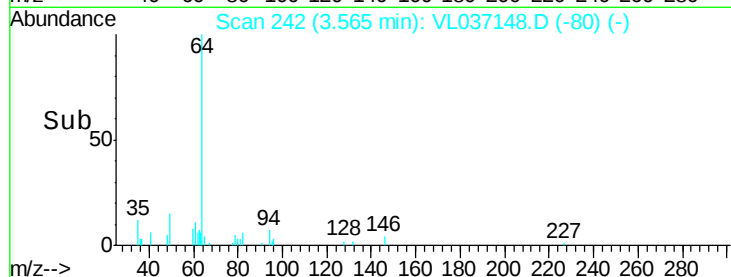
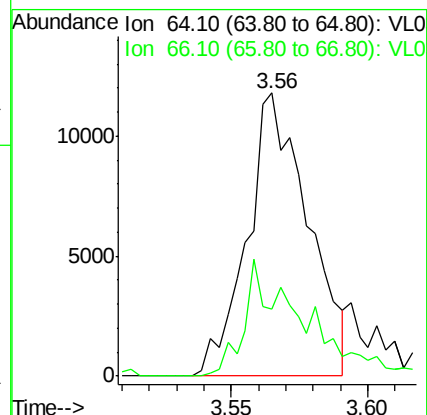
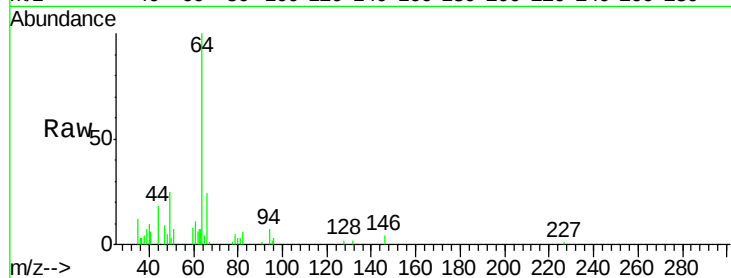
66 23.5 25.4 38.2#

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 0.551 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.02 min

Lab File: VL037148.D

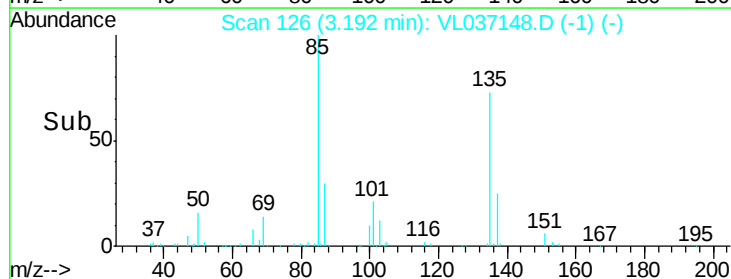
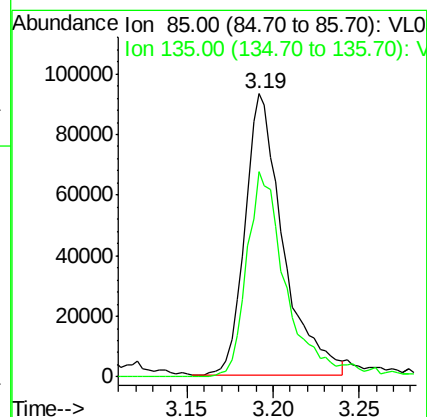
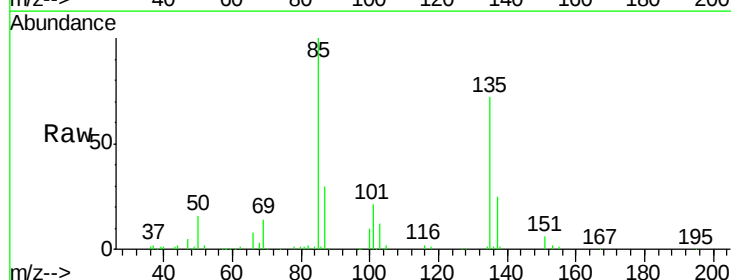
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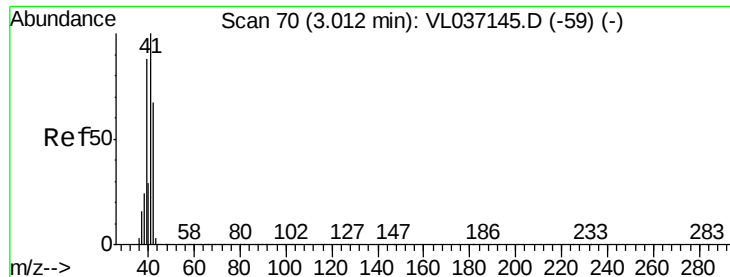
Tgt Ion: 85 Resp: 144112

Ion Ratio Lower Upper

85 100

135 77.5 57.7 86.5





#9

Propene

Concen: 0.489 ppbv

RT: 3.01 min Scan# 71

Delta R.T. 0.02 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 52653

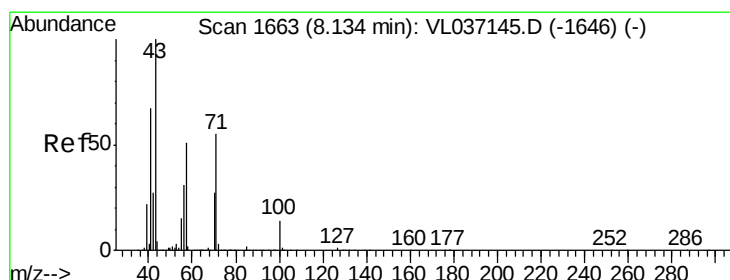
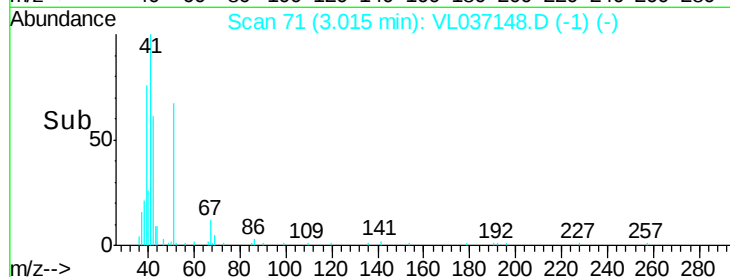
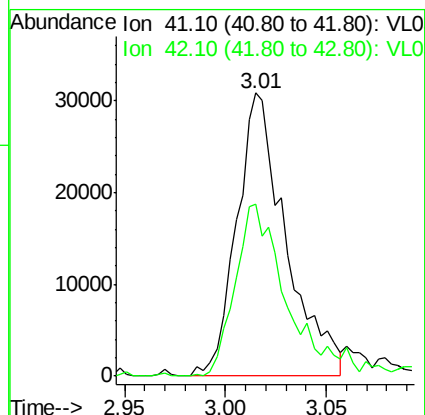
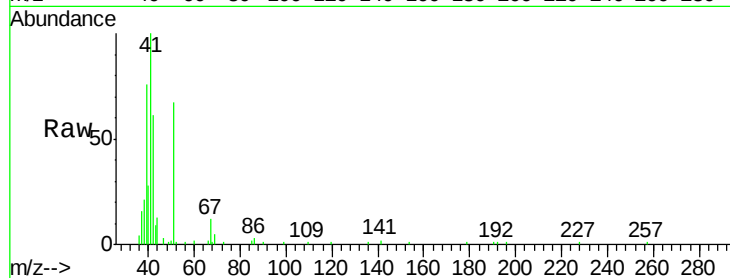
Ion Ratio Lower Upper

41 100

42 67.9 53.9 80.9

Manual Integrations
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#10

Heptane

Concen: 0.418 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.03 min

Lab File: VL037148.D

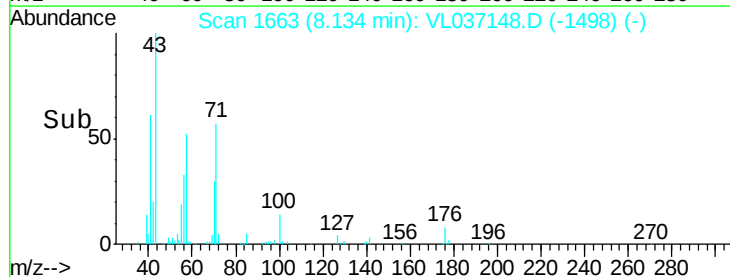
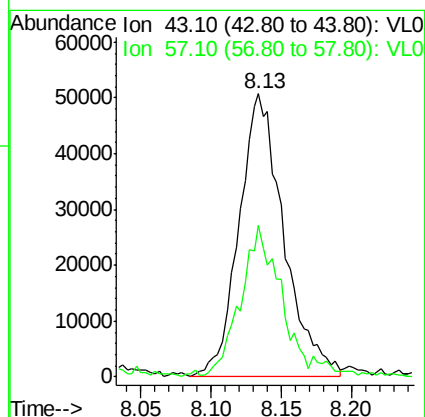
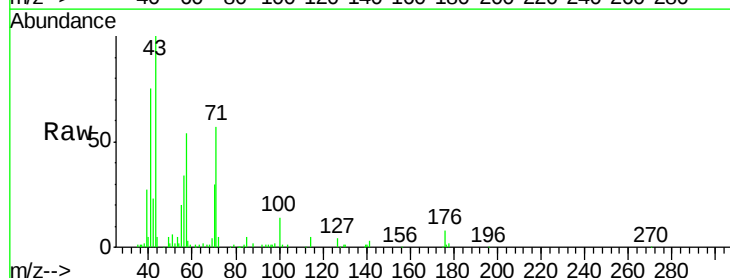
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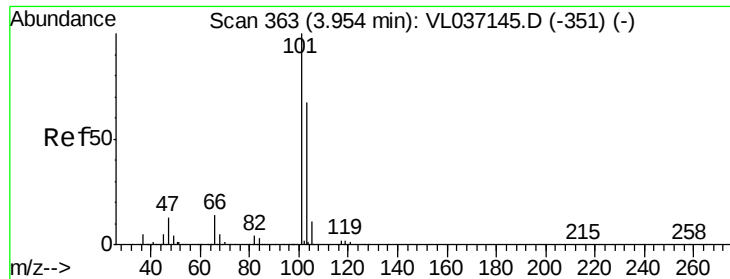
Tgt Ion: 43 Resp: 112251

Ion Ratio Lower Upper

43 100

57 51.8 41.0 61.6





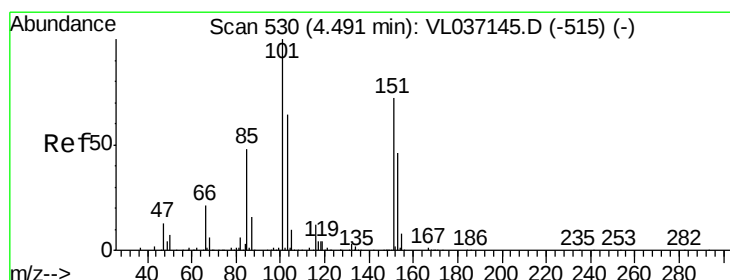
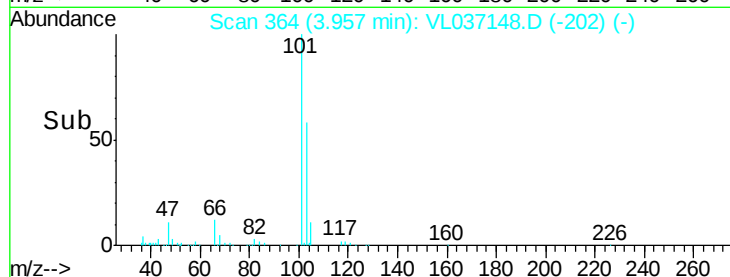
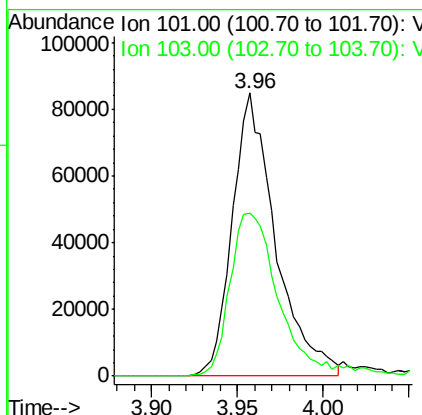
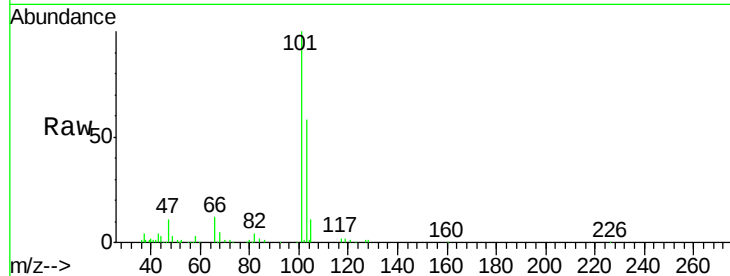
#11
 Trichlorofluoromethane
 Concen: 0.574 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.02 min
 Lab File: VL037148.D
 Acq: 14 Jun 2021 14:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.7	52.6	79.0

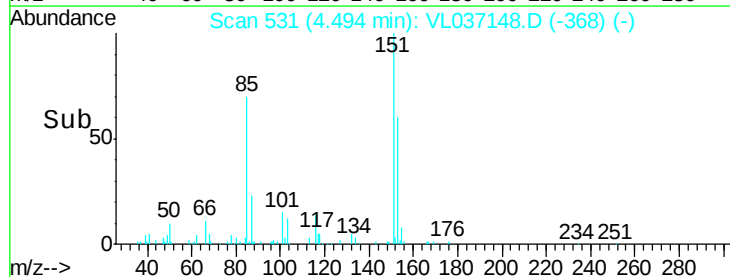
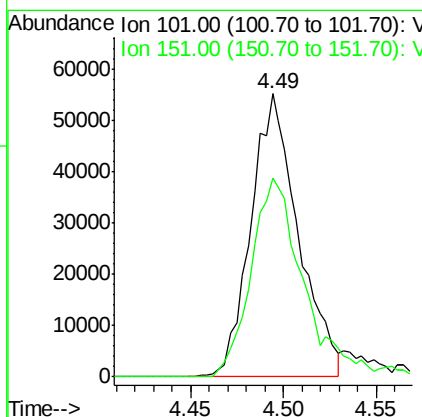
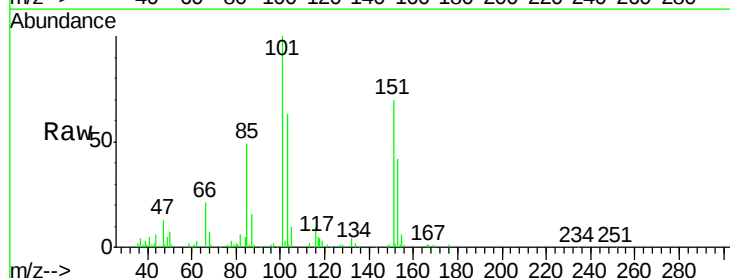
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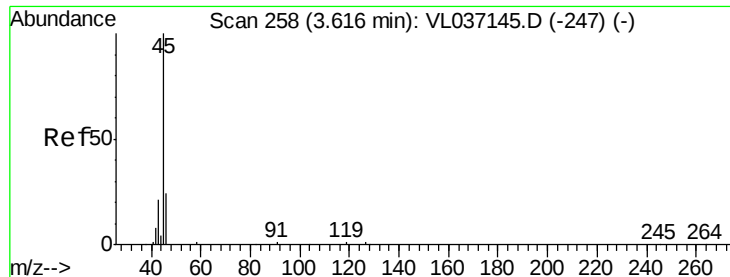
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.534 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.03 min
 Lab File: VL037148.D
 Acq: 14 Jun 2021 14:15

Tgt Ion	Ratio	Lower	Upper
101	100		
151	79.6	57.7	86.5





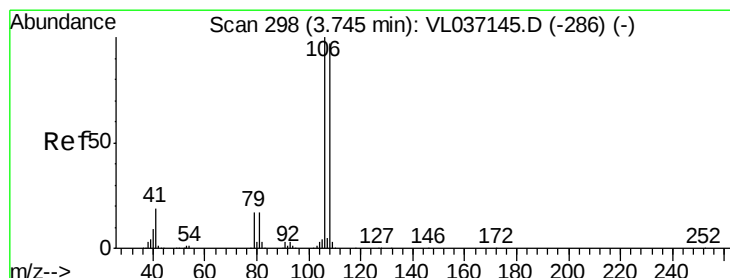
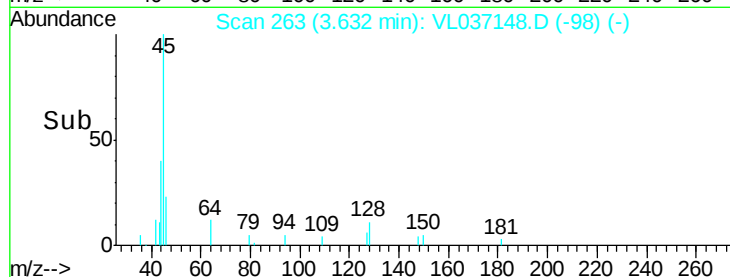
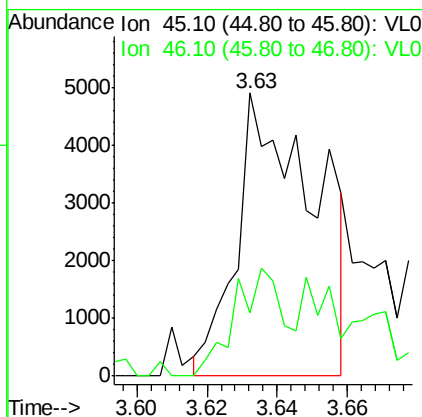
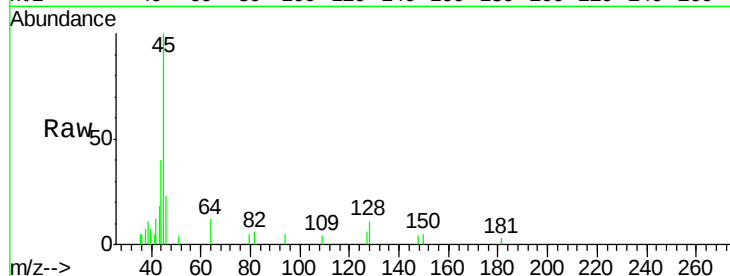
#13
Ethanol
Concen: 0.518 ppbv m
RT: 3.63 min Scan# 263
Delta R.T. 0.03 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

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

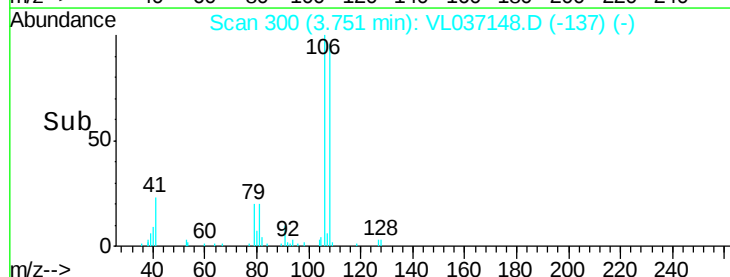
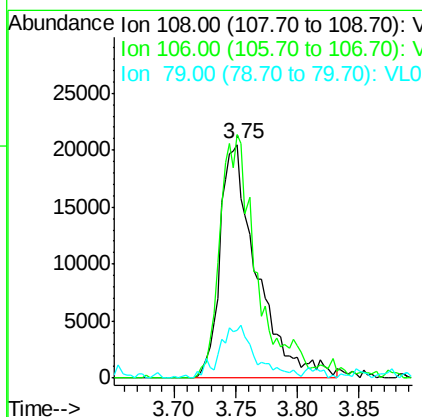
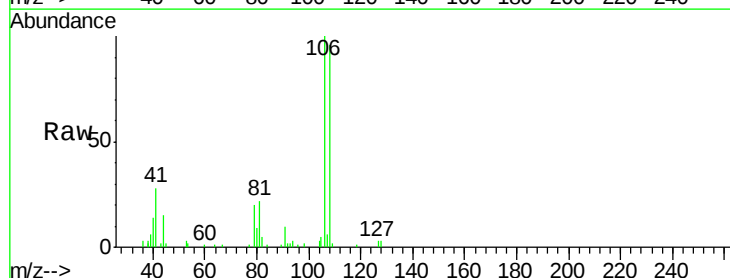
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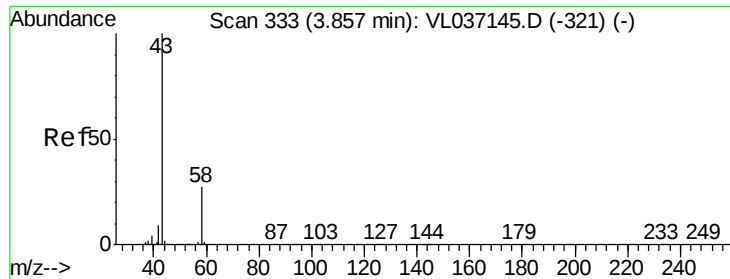
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#14
Bromoethene
Concen: 0.530 ppbv m
RT: 3.75 min Scan# 300
Delta R.T. 0.03 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Tgt Ion	108	Ratio	Lower	Upper
108	100			
106	108.0	86.5	129.7	
79	22.0	15.0	22.4	





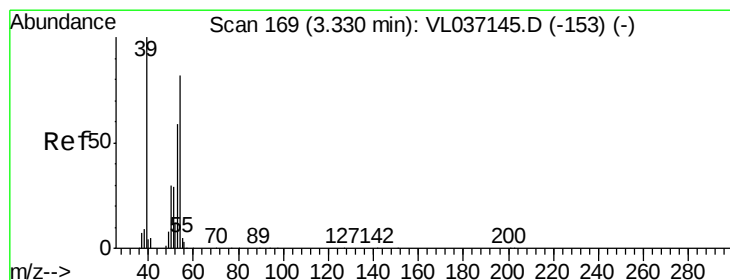
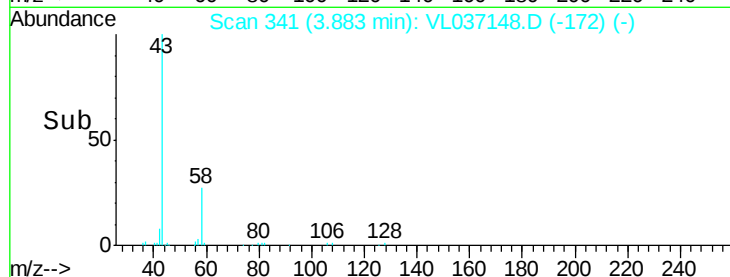
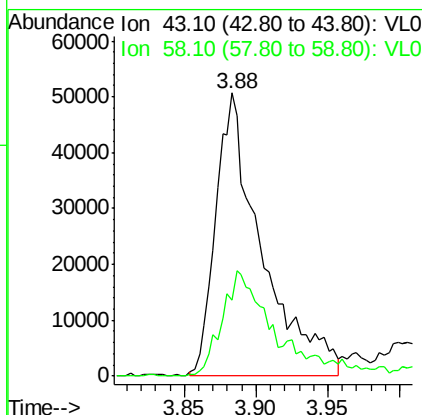
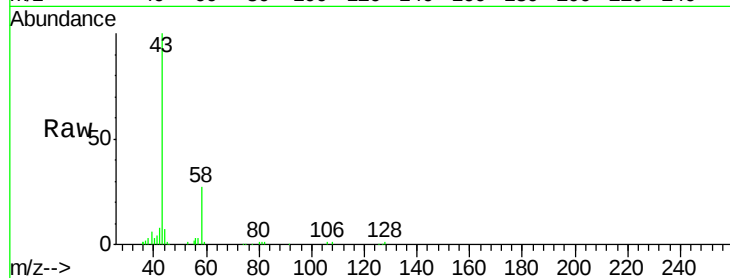
#15
Acetone
Concen: 0.669 ppbv m
RT: 3.88 min Scan# 341
Delta R.T. 0.04 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 43 Resp: 112446
Ion Ratio Lower Upper
43 100
58 44.0 24.0 36.0#

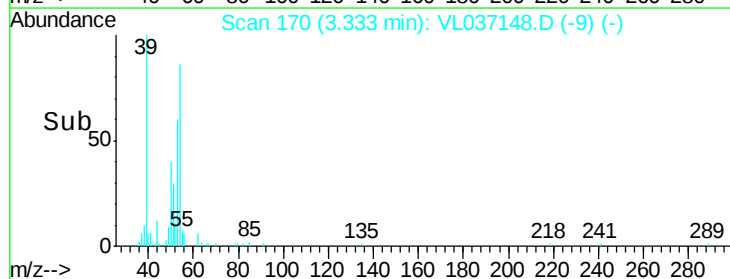
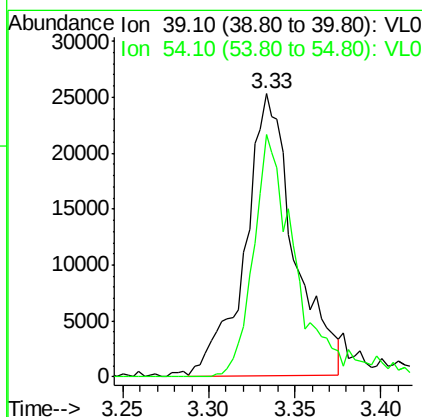
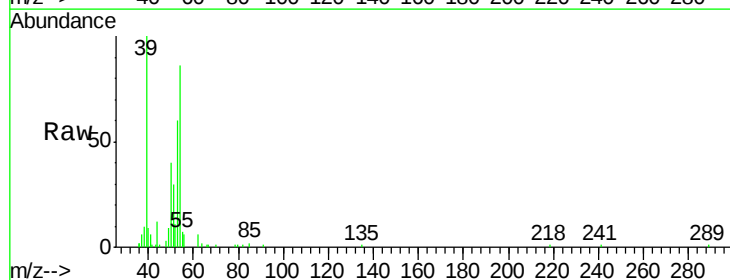
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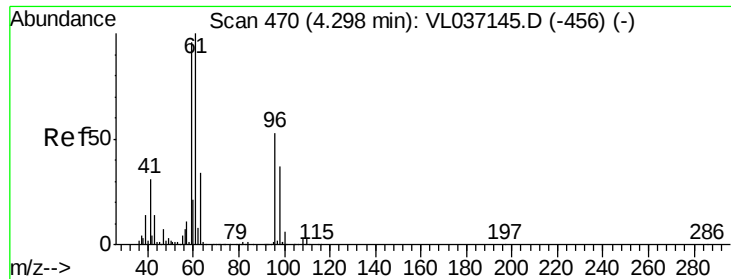
MMDadoda
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#16
1,3-Butadiene
Concen: 0.478 ppbv
RT: 3.33 min Scan# 170
Delta R.T. 0.02 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Tgt Ion: 39 Resp: 49970
Ion Ratio Lower Upper
39 100
54 72.7 63.2 94.8





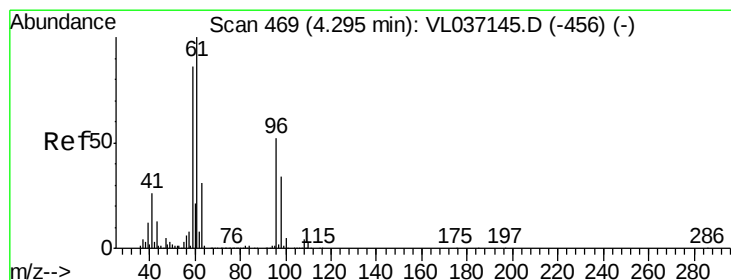
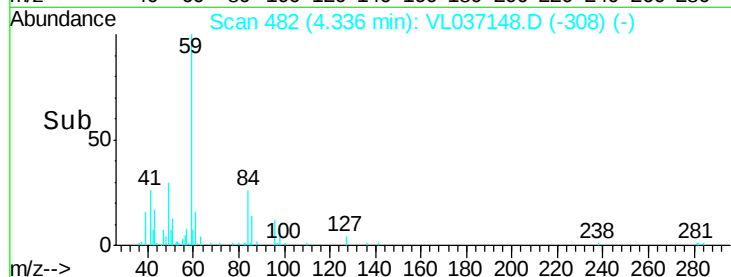
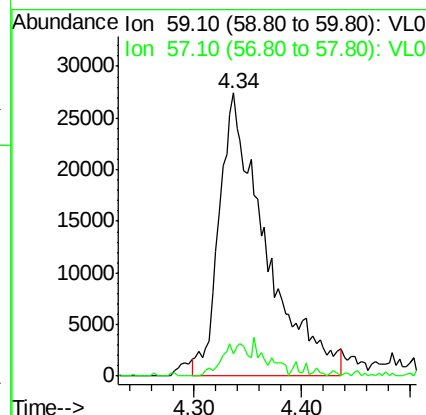
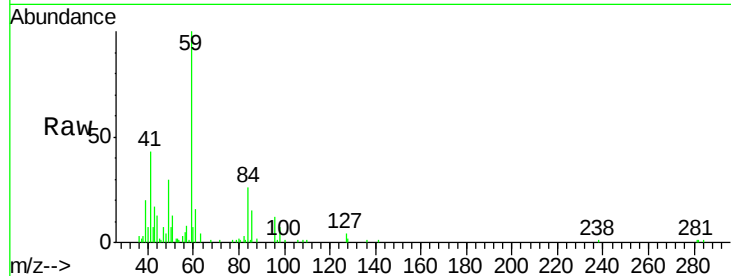
#17
tert-Butyl alcohol
Concen: 0.531 ppbv m
RT: 4.34 min Scan# 482
Delta R.T. 0.06 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 59 Resp: 81756
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

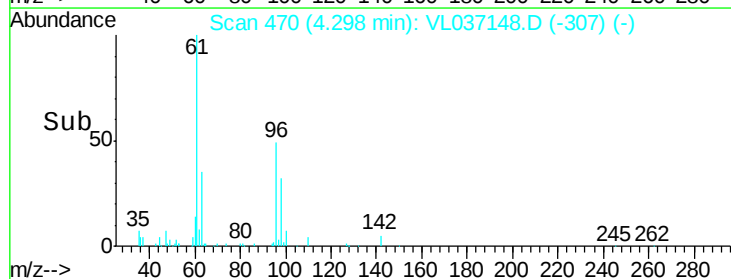
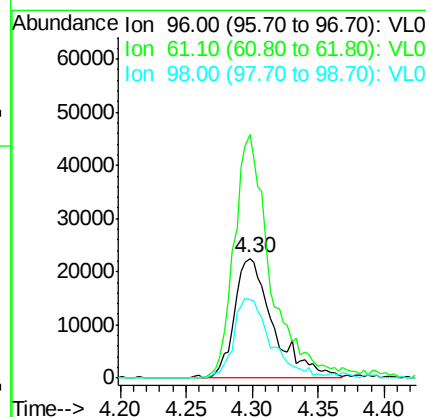
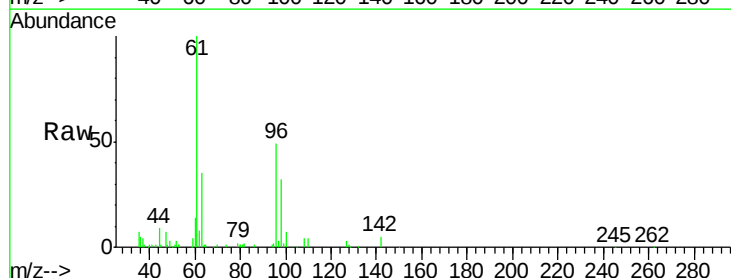
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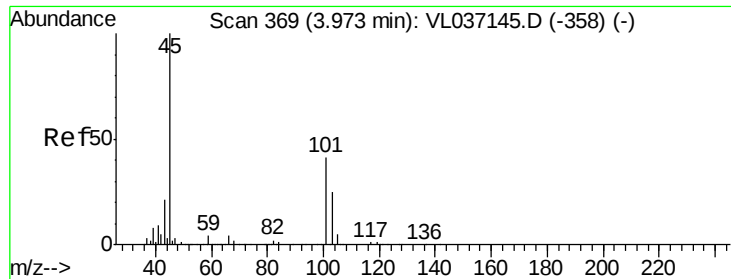
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#18
1,1-Dichloroethene
Concen: 0.546 ppbv m
RT: 4.30 min Scan# 470
Delta R.T. 0.03 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Tgt Ion: 96 Resp: 46335
Ion Ratio Lower Upper
96 100
61 202.9 148.2 222.4
98 65.5 47.8 71.6





#19

Isopropyl Alcohol

Concen: 0.578 ppbv m

RT: 4.01 min Scan# 379

Delta R.T. 0.05 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 52242

Ion Ratio Lower Upper

45 100

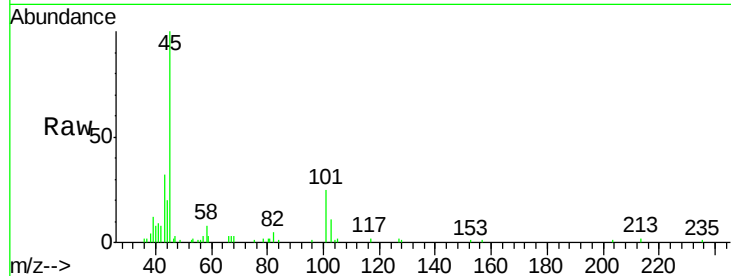
58 0.0 37.2 55.8#

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

20000

15000

10000

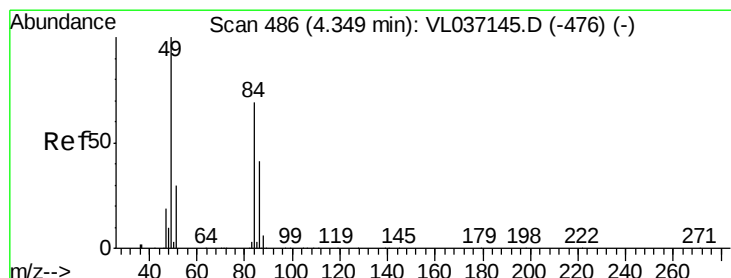
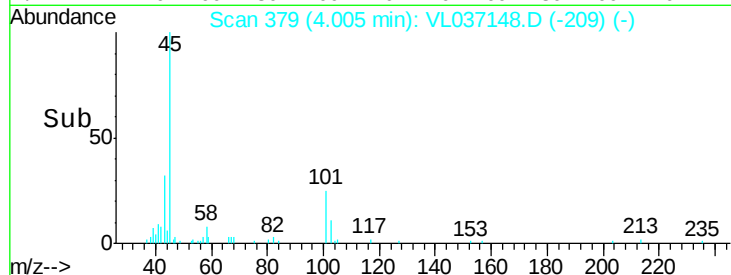
5000

0

Time-->

3.95 4.00 4.05 4.10

4.01



#20

Methylene Chloride

Concen: 0.559 ppbv m

RT: 4.35 min Scan# 487

Delta R.T. 0.03 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Tgt Ion: 84 Resp: 50345

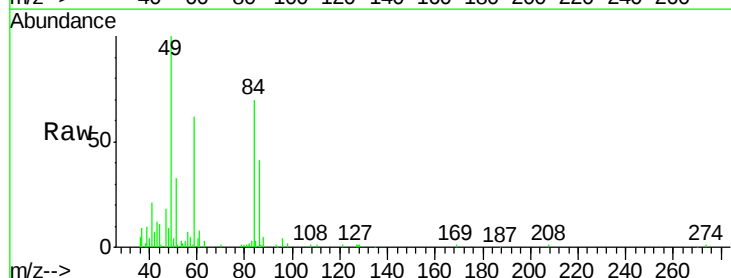
Ion Ratio Lower Upper

84 100

49 142.2 119.8 179.6

51 47.4 35.1 52.7

86 58.5 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

50000

40000

30000

20000

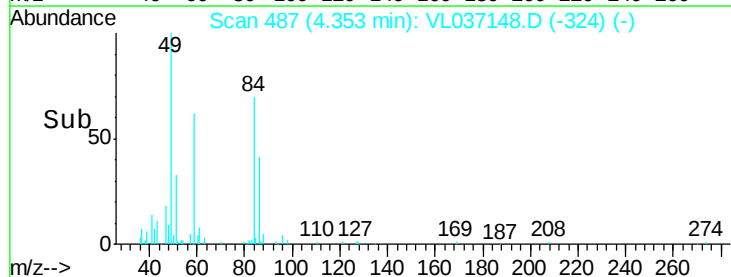
10000

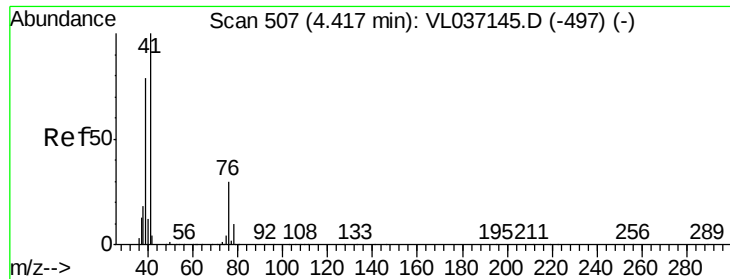
0

Time-->

4.30 4.35 4.40 4.45

4.35





#21

Allvl Chloride

Concen: 0.520 ppbv m

RT: 4.42 min Scan# 509

Delta R.T. 0.03 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

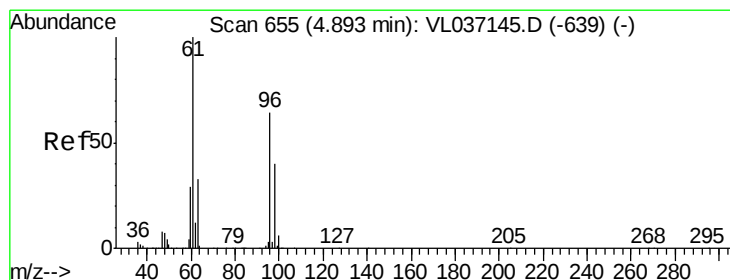
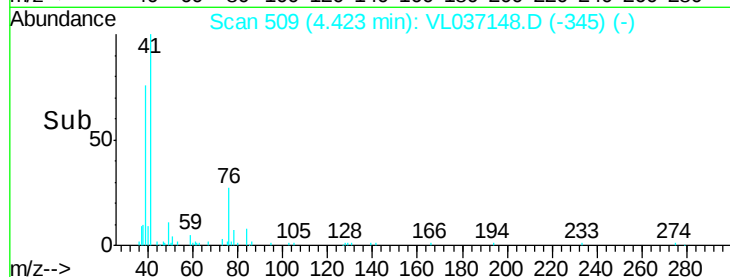
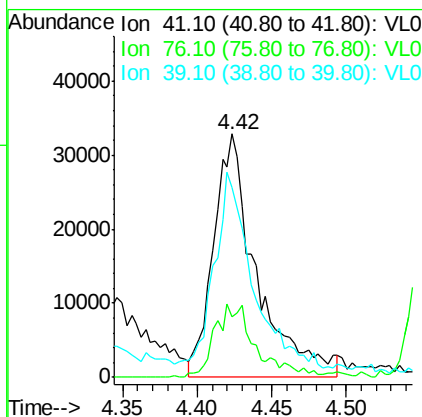
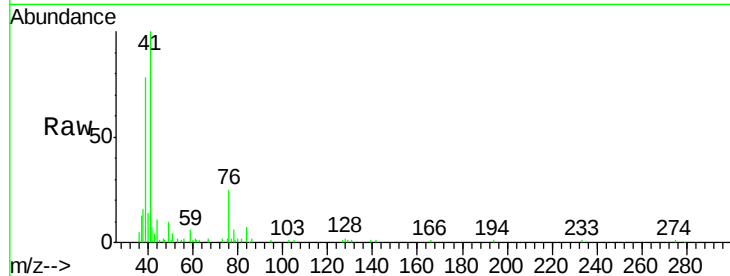
ClientSampleId :

VSTDIC0.5

Tot Ion:	41	Resp:	65896
Ion	Ratio	Lower	Upper
41	100		
76	28.7	24.9	37.3
39	84.2	63.7	95.5

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#22

trans-1,2-Dichloroethene

Concen: 0.519 ppbv m

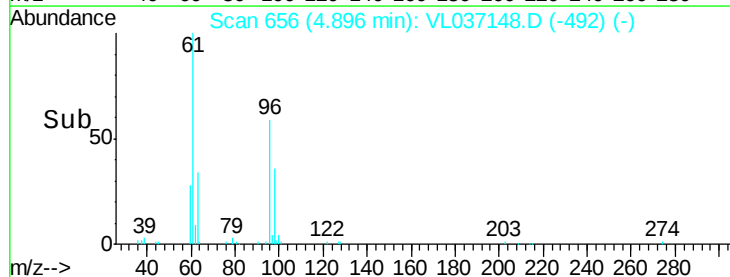
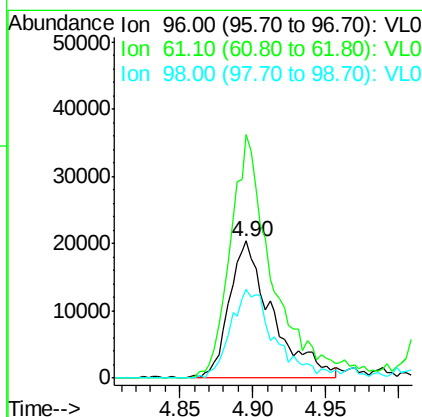
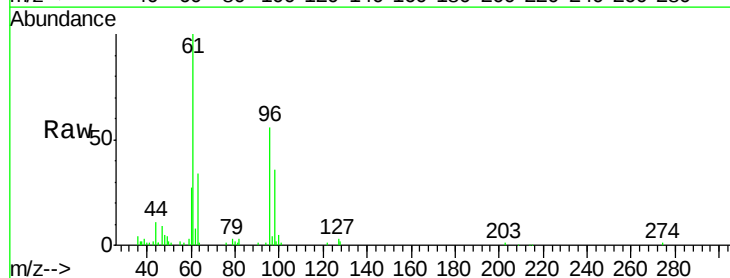
RT: 4.90 min Scan# 656

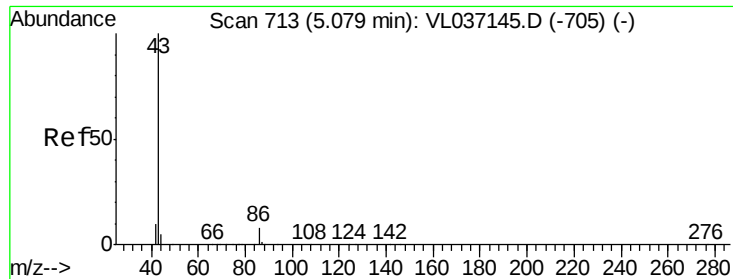
Delta R.T. 0.03 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Tgt Ion:	96	Resp:	42218
Ion	Ratio	Lower	Upper
96	100		
61	177.8	130.6	196.0
98	64.7	50.8	76.2





#23

Vinyl Acetate

Concen: 0.457 ppbv m

RT: 5.10 min Scan# 718

Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

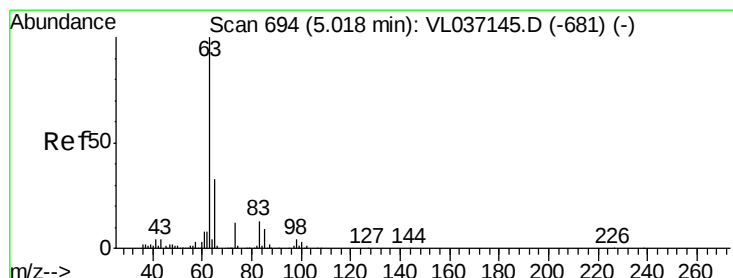
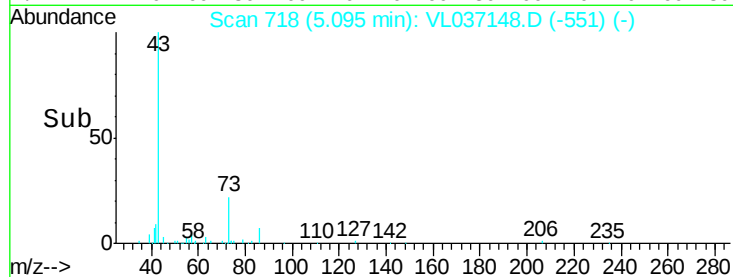
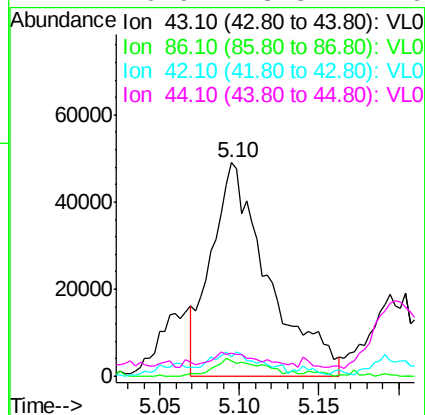
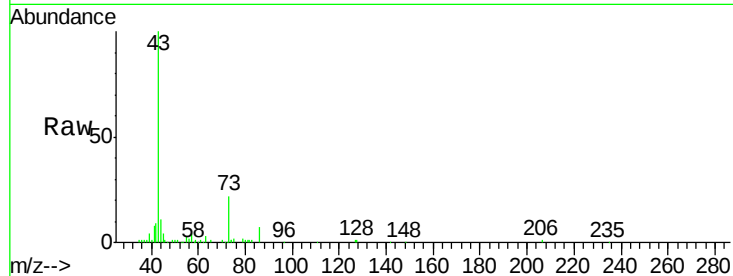
ClientSampleId :

VSTDIC0.5

Tot Ion	43	Resp	121878
Ion Ratio	Lower	Upper	
43	100		
86	7.0	5.8	8.8
42	9.0	7.4	11.2
44	10.9	3.3	4.9#

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#24

1,1-Dichloroethane

Concen: 0.503 ppbv

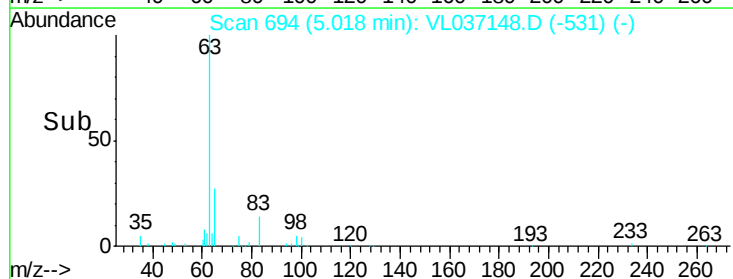
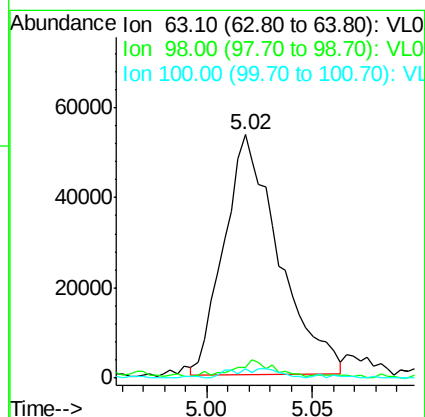
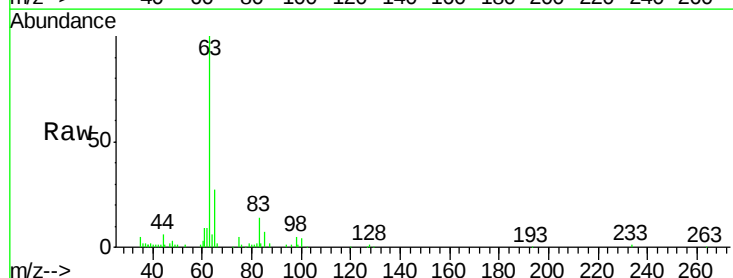
RT: 5.02 min Scan# 694

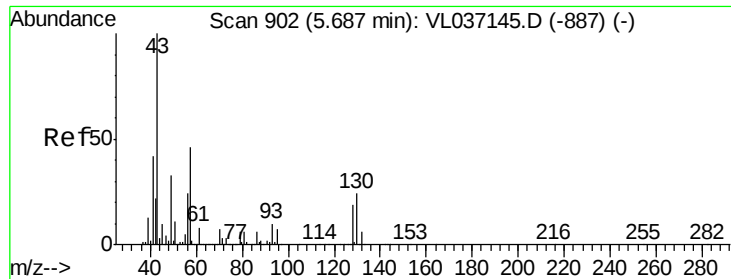
Delta R.T. 0.03 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Tgt Ion	63	Resp	96559
Ion Ratio	Lower	Upper	
63	100		
98	4.1	2.3	6.9
100	3.3	1.4	4.0





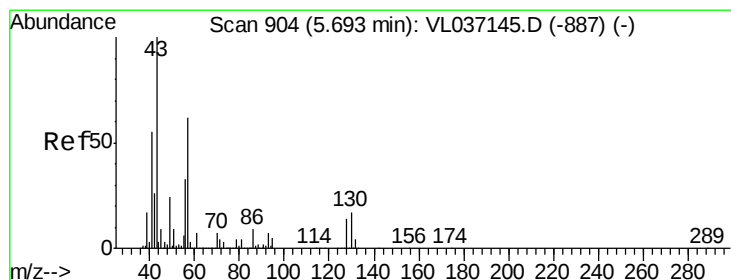
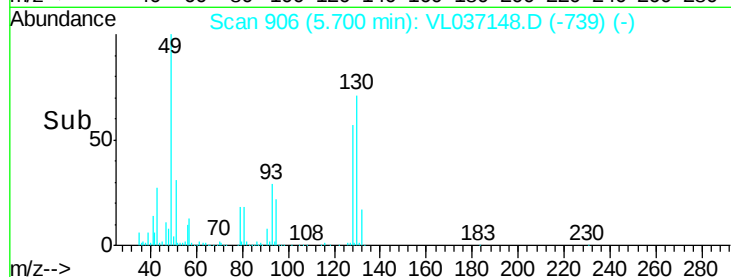
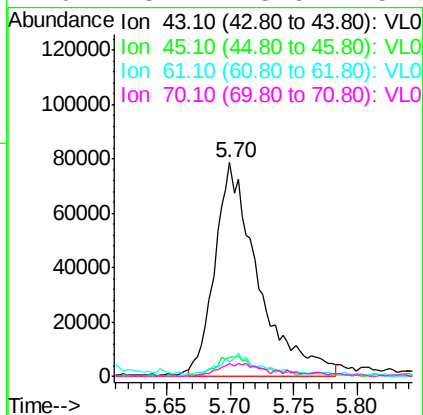
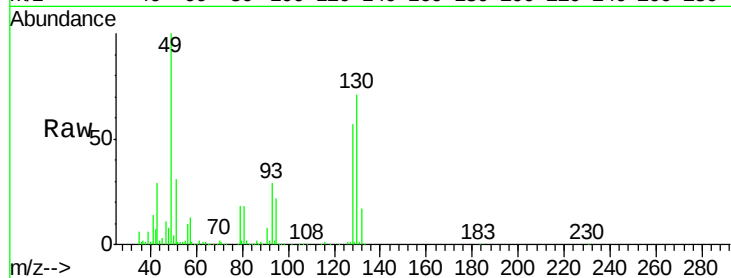
#25
Ethyl Acetate
Concen: 0.461 ppbv m
RT: 5.70 min Scan# 906
Delta R.T. 0.04 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	10.1	7.8	11.8		
61	9.3	7.8	11.8		
70	8.4	5.6	8.4		

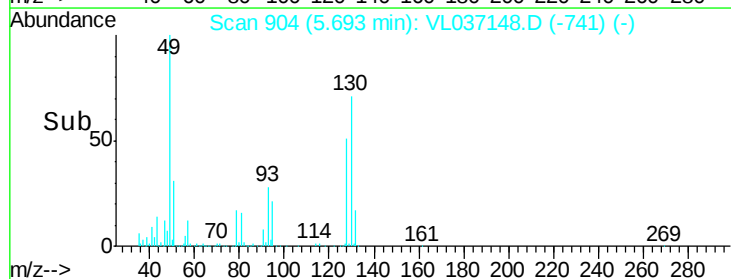
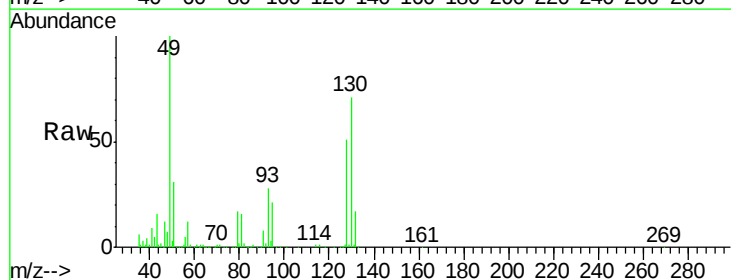
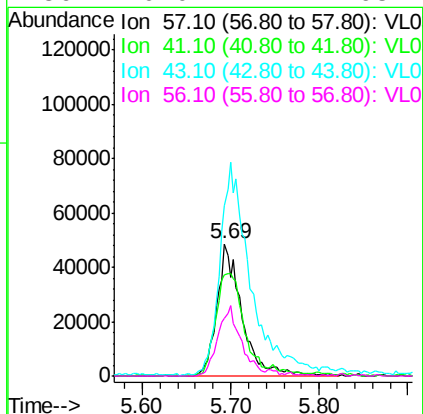
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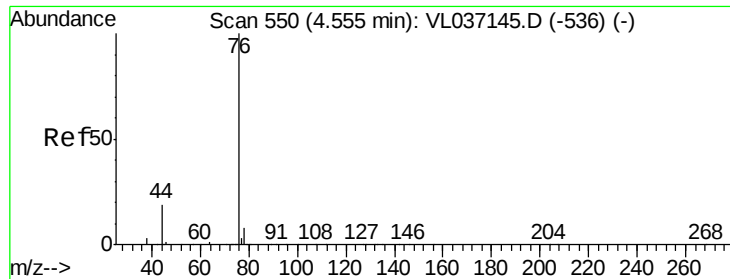
MMDadoda
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#26
Hexane
Concen: 0.460 ppbv m
RT: 5.69 min Scan# 904
Delta R.T. 0.03 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	0.0	70.5	105.7#		
43	0.0	165.8	248.8#		
56	0.0	42.2	63.4#		





#27

Carbon Disulfide

Concen: 0.399 ppbv m

RT: 4.56 min Scan# 552

Delta R.T. 0.03 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

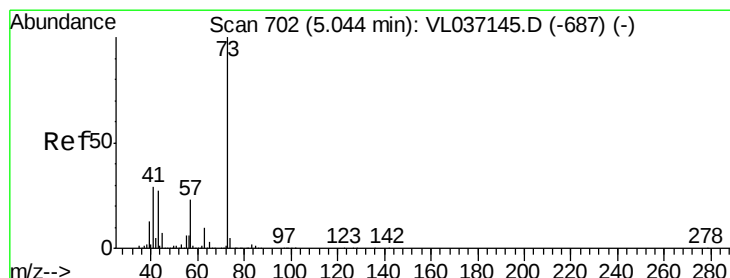
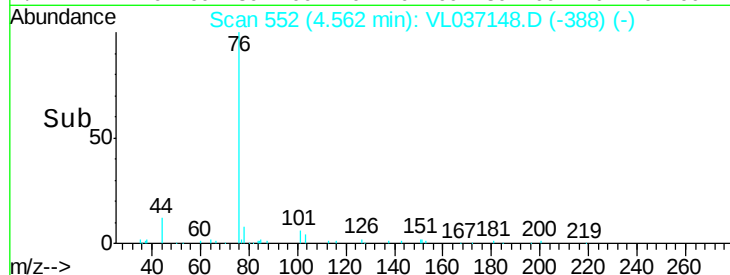
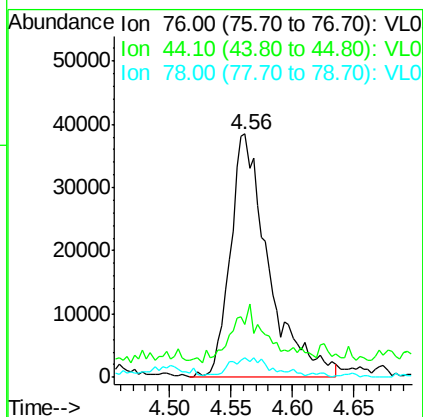
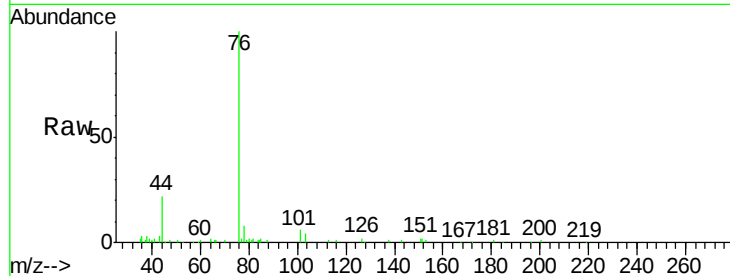
ClientSampleId :

VSTDIC0.5

Tot Ion:	76	Resp:	82957
Ion	Ratio	Lower	Upper
76	100		
44	22.4	15.5	23.3
78	9.7	7.8	11.6

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#28

Methyl tert-Butyl Ether

Concen: 0.455 ppbv

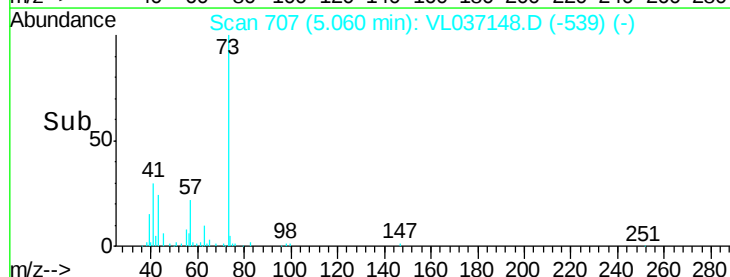
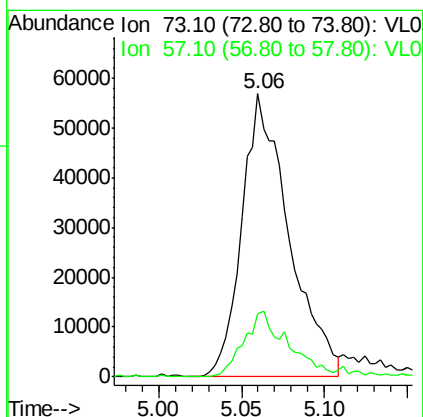
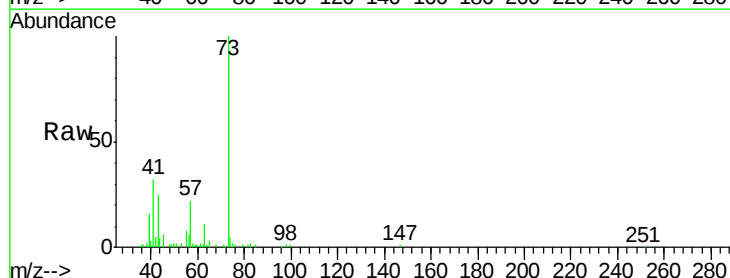
RT: 5.06 min Scan# 707

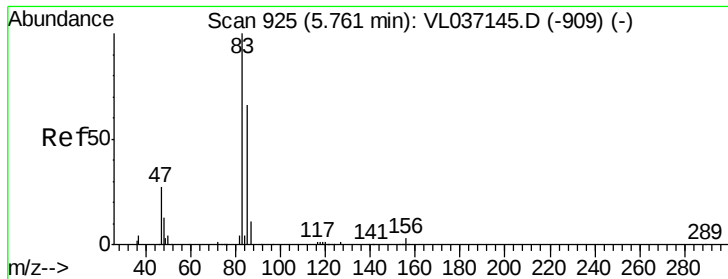
Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Tgt Ion:	73	Resp:	112452
Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.3	27.5





#29

Chloroform

Concen: 0.522 ppbv

RT: 5.76 min Scan# 925

Delta R.T. 0.03 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 83 Resp: 152247

Ion Ratio Lower Upper

83 100

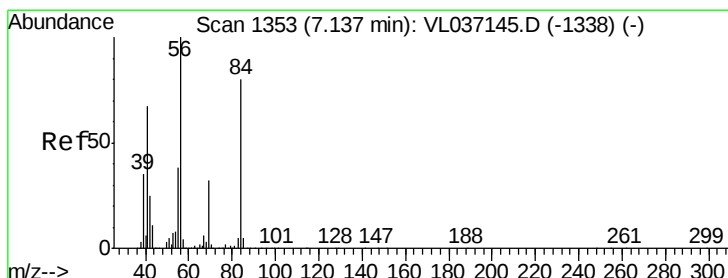
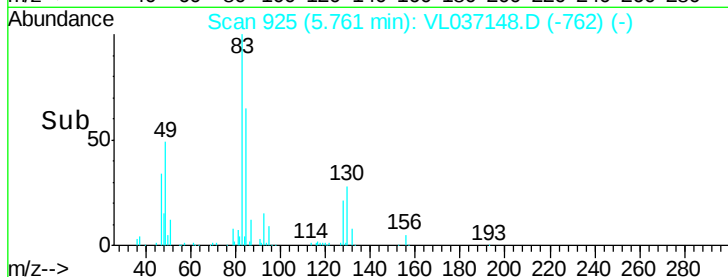
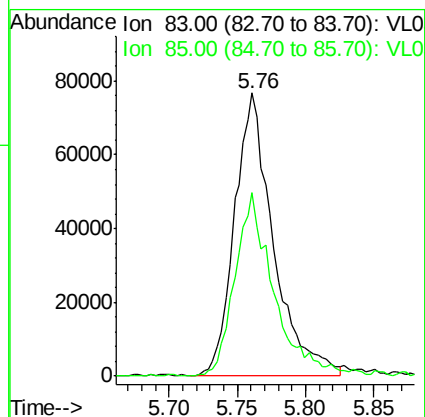
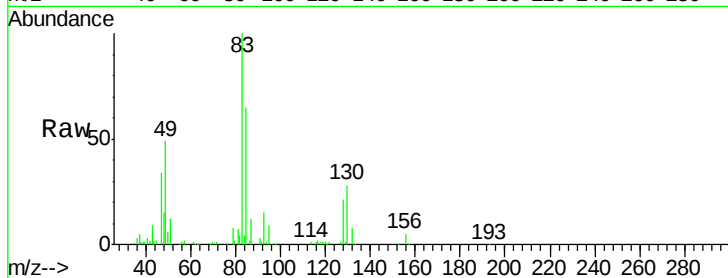
85 64.5 51.1 76.7

Manual Integrations

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#30

Cyclohexane

Concen: 0.468 ppbv m

RT: 7.14 min Scan# 1354

Delta R.T. 0.03 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

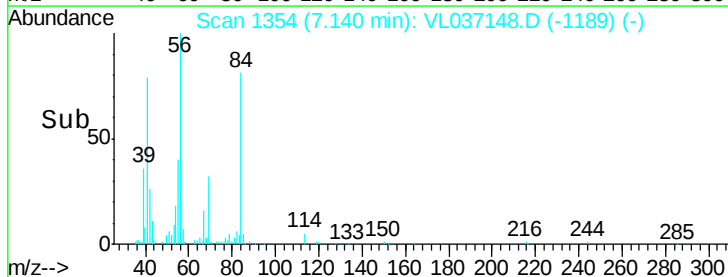
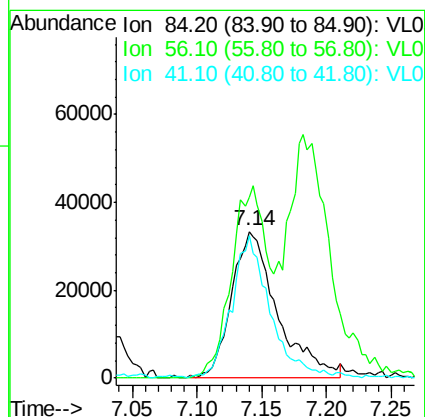
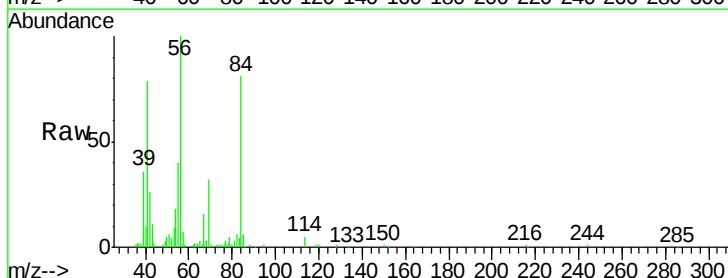
Tgt Ion: 84 Resp: 82083

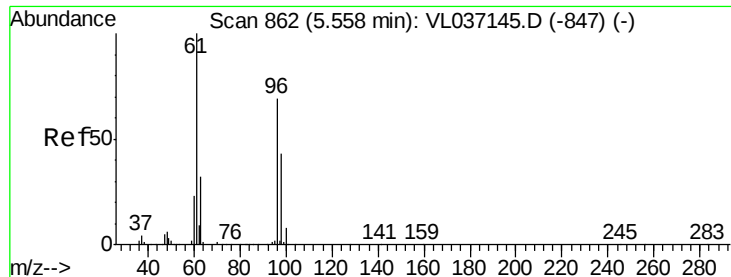
Ion Ratio Lower Upper

84 100

56 108.3 107.9 161.9

41 83.6 65.5 98.3





#31

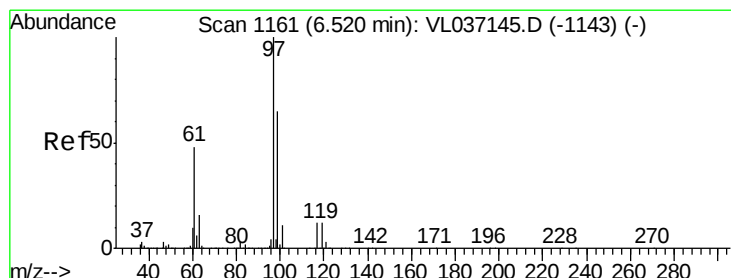
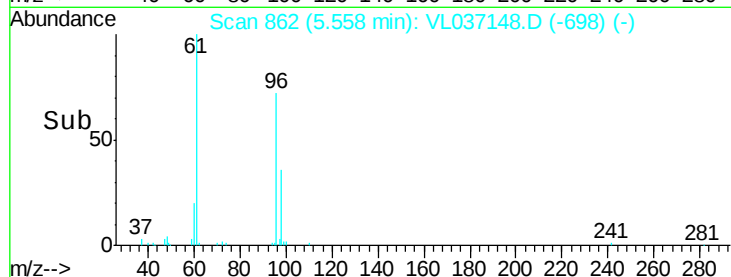
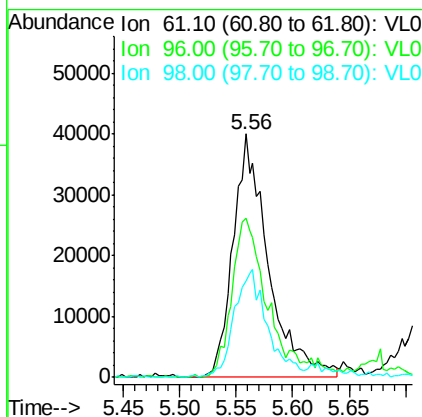
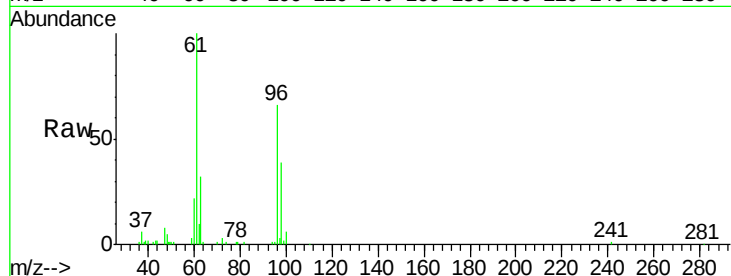
cis-1,2-Dichloroethene
Concen: 0.469 ppbv
RT: 5.56 min Scan# 862
Delta R.T. 0.03 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
61	100		
96	65.6	55.9	83.9
98	39.5	35.6	53.4

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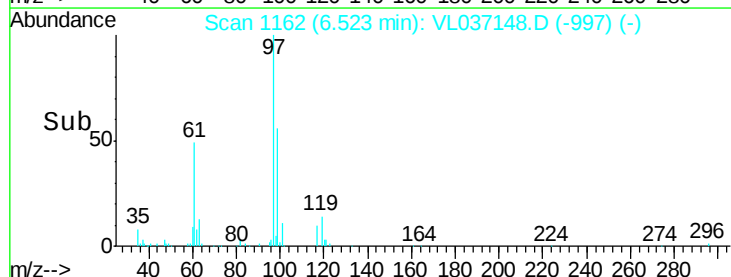
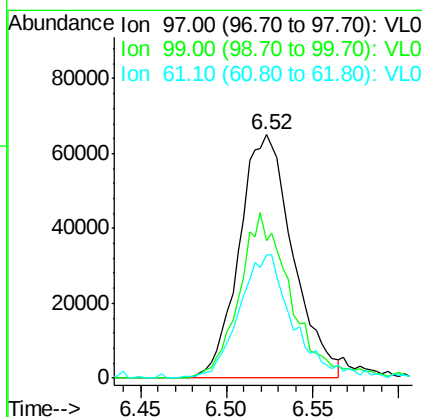
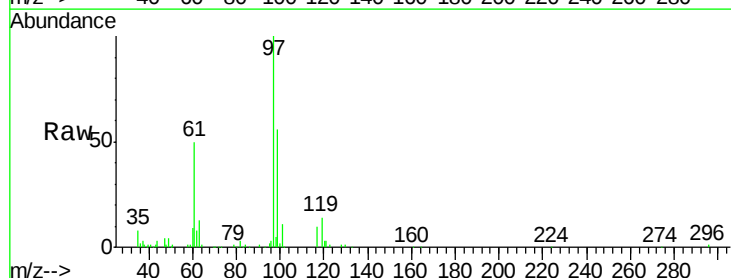
MMDadoda
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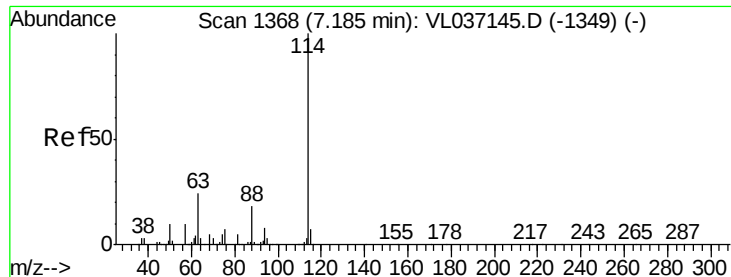


#32

1,1,1-Trichloroethane
Concen: 0.449 ppbv
RT: 6.52 min Scan# 1162
Delta R.T. 0.03 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.6	51.9	77.9
61	51.6	37.6	56.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. 0.03 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

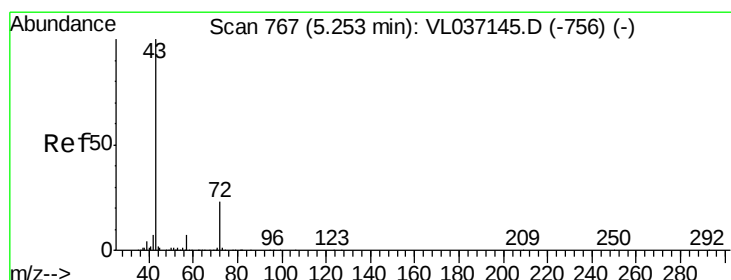
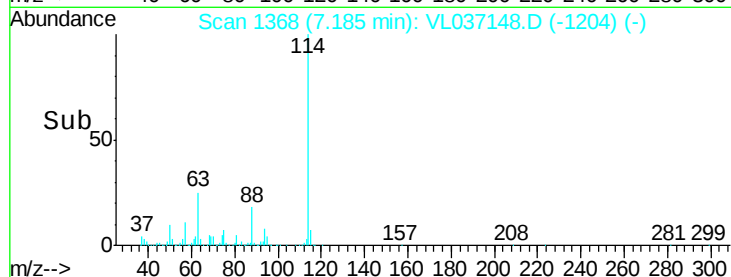
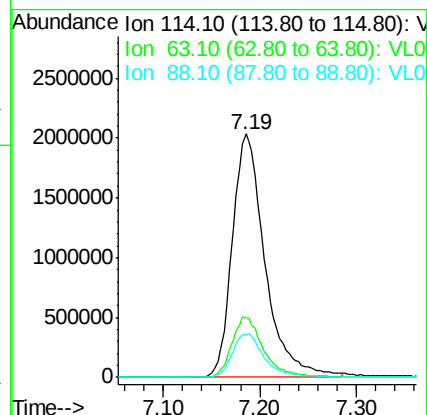
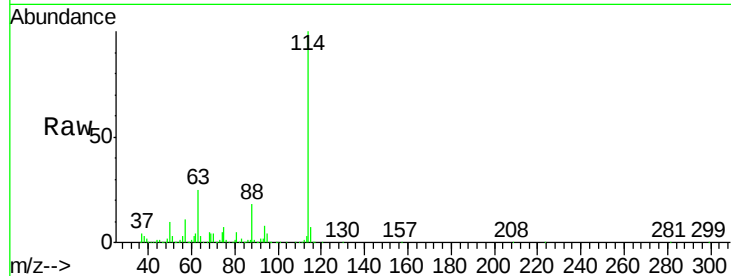
Instrument :
MSVOA_L

ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.4	19.6	29.4
88	18.0	14.6	21.8

Manual Integrations
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#34

2-Butanone

Concen: 0.526 ppbv m

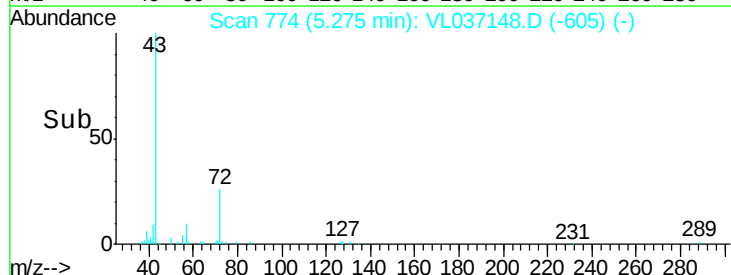
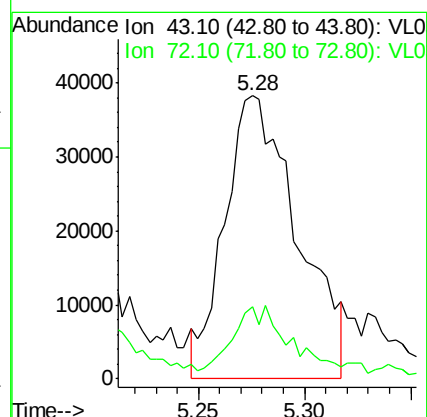
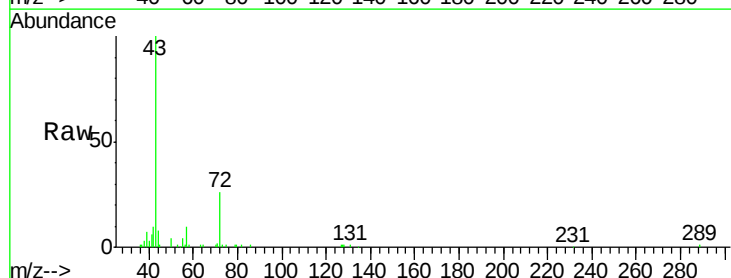
RT: 5.28 min Scan# 774

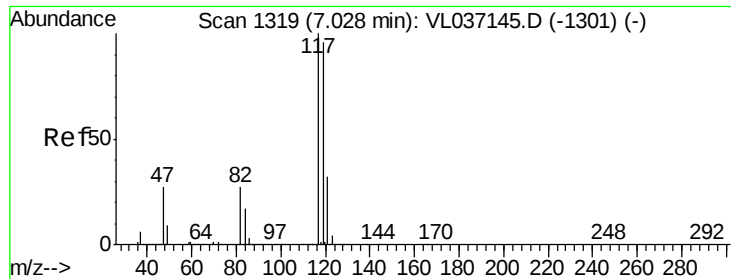
Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.0	28.4#





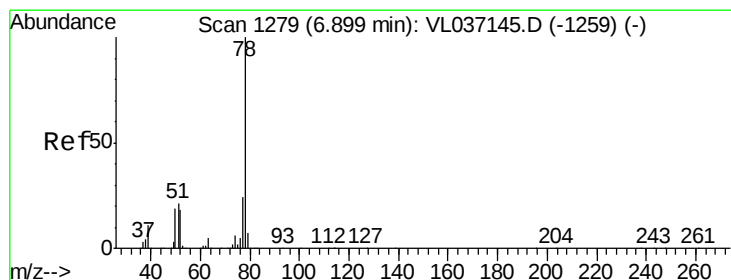
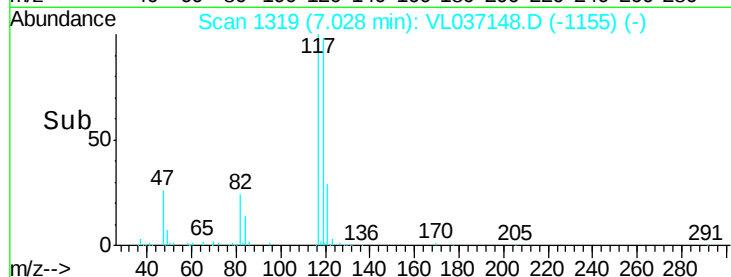
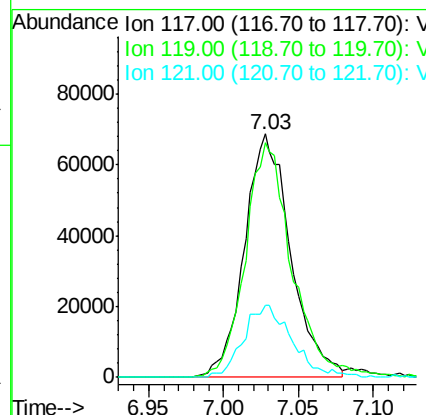
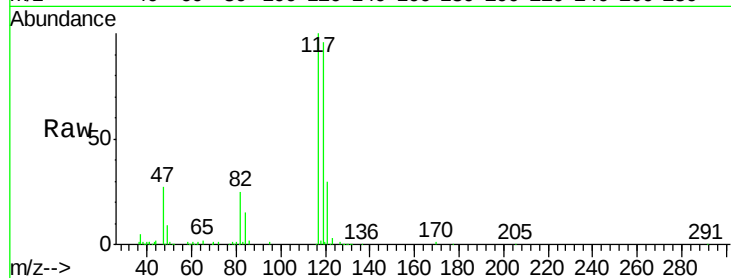
#35
Carbon Tetrachloride
Concen: 0.466 ppbv
RT: 7.03 min Scan# 1319
Delta R.T. 0.03 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.6	114.8
121	29.6	25.8	38.6

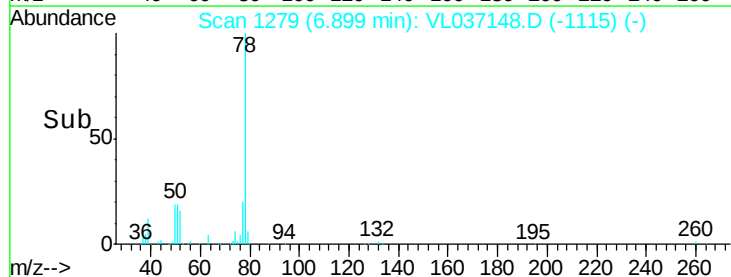
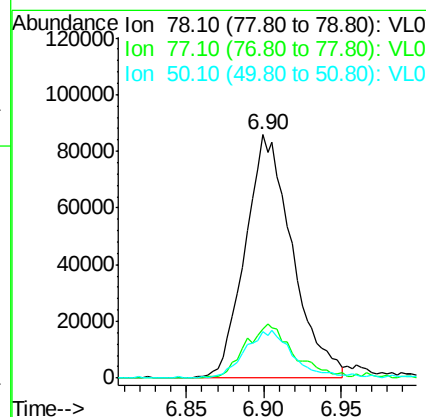
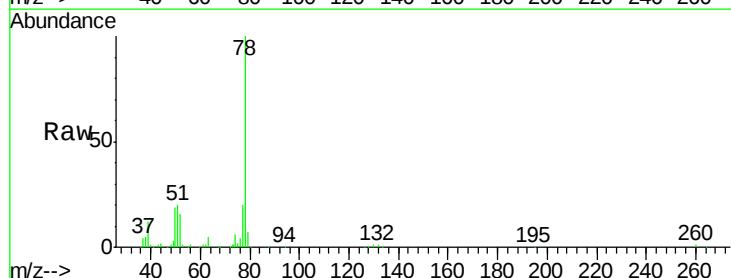
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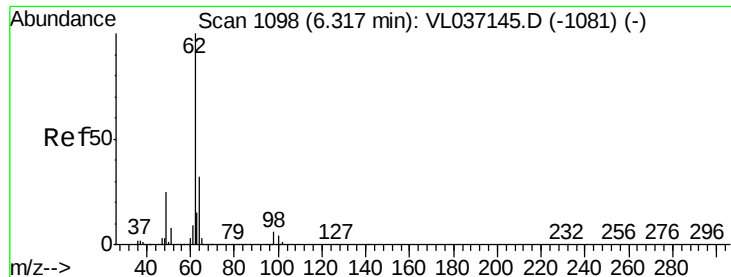
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#36
Benzene
Concen: 0.442 ppbv
RT: 6.90 min Scan# 1279
Delta R.T. 0.03 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	19.9	18.6	28.0
50	19.1	15.0	22.4





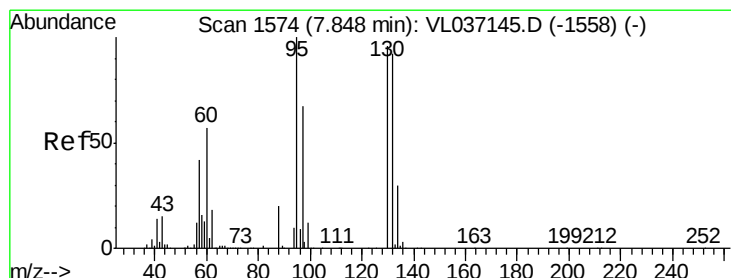
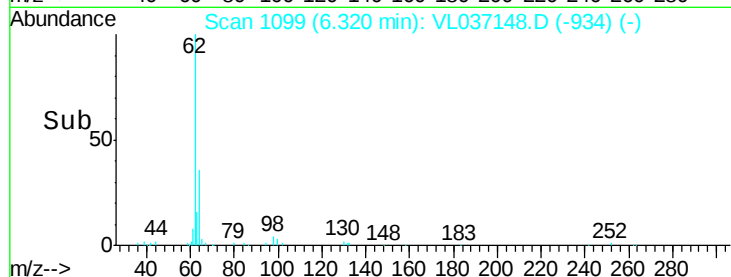
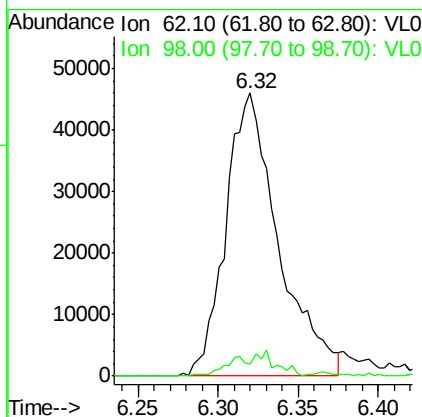
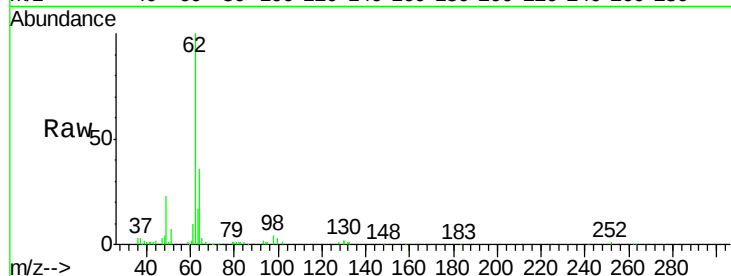
#37
 1,2-Dichloroethane
 Concen: 0.508 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. 0.03 min
 Lab File: VL037148.D
 Acq: 14 Jun 2021 14:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
62	100	103588		
98	7.3		5.5	8.3

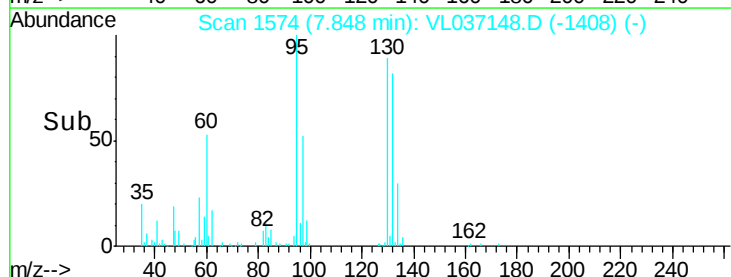
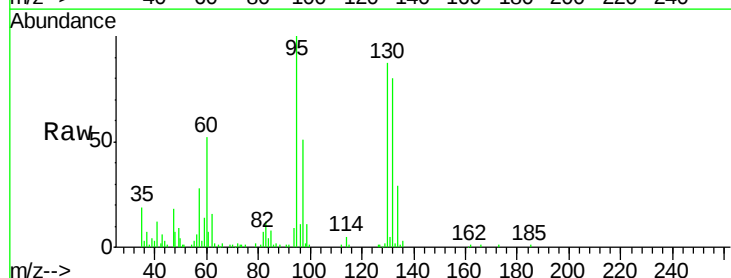
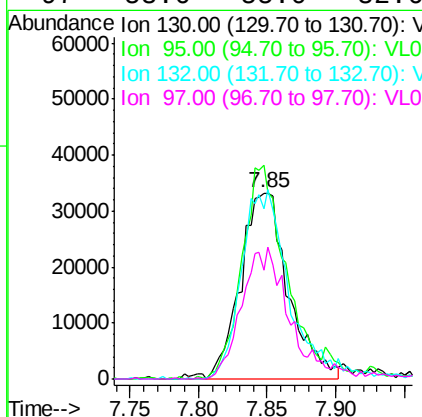
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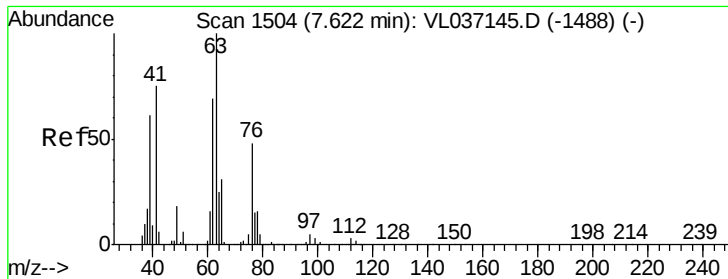
MMDadoda
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#38
 Trichloroethene
 Concen: 0.462 ppbv m
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.04 min
 Lab File: VL037148.D
 Acq: 14 Jun 2021 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	81169		
95	114.8		86.9	130.3
132	91.7		78.4	117.6
97	58.6		55.0	82.6





#39

1,2-Dichloropropane

Concen: 0.433 ppbv

RT: 7.63 min Scan# 1505

Delta R.T. 0.03 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

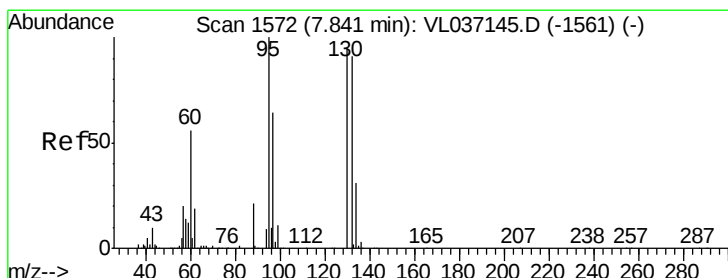
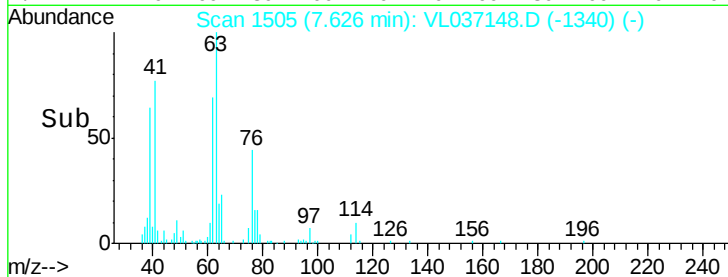
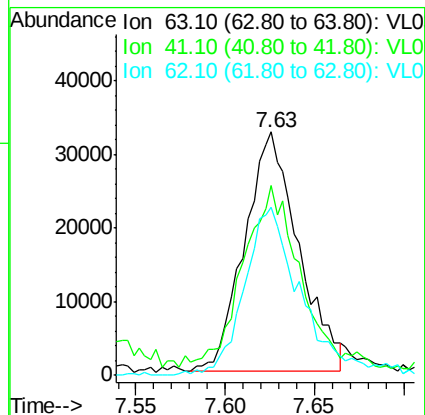
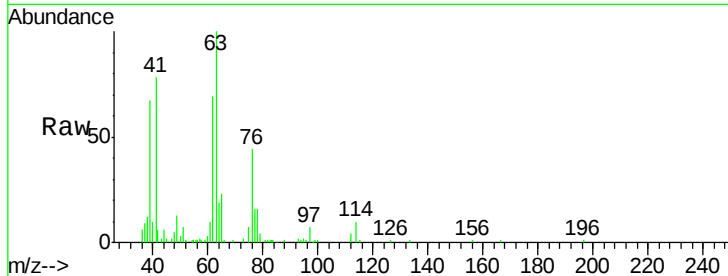
ClientSampleId :

VSTDIC0.5

Tot Ion:	63	Resp:	68487
Ion	Ratio	Lower	Upper
63	100		
41	73.5	55.7	83.5
62	67.5	56.2	84.4

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#40

1,4-Dioxane

Concen: 0.539 ppbv m

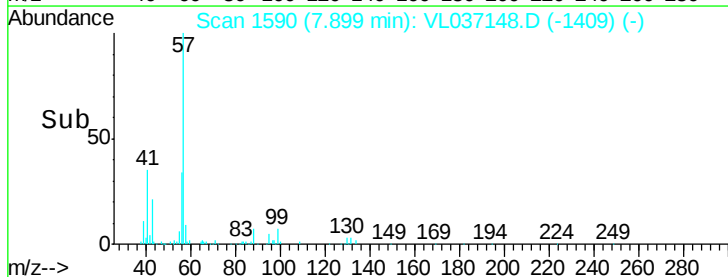
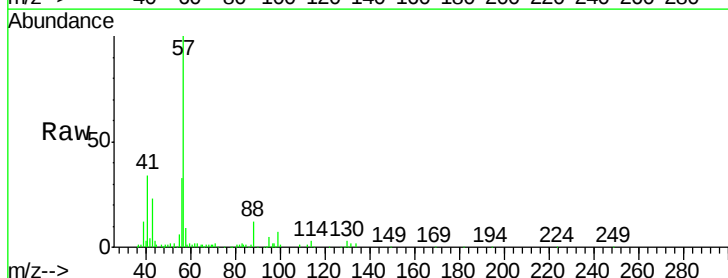
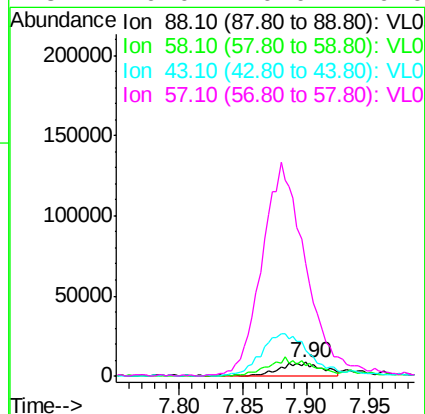
RT: 7.90 min Scan# 1590

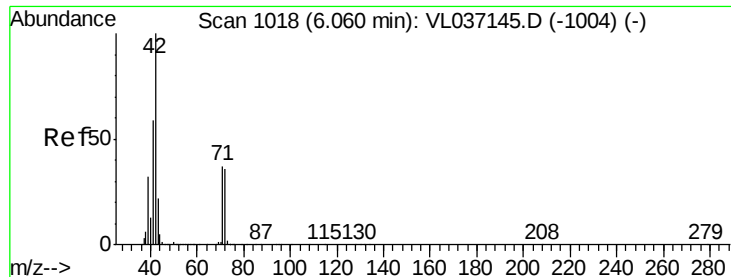
Delta R.T. 0.08 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Tgt Ion:	88	Resp:	20137
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

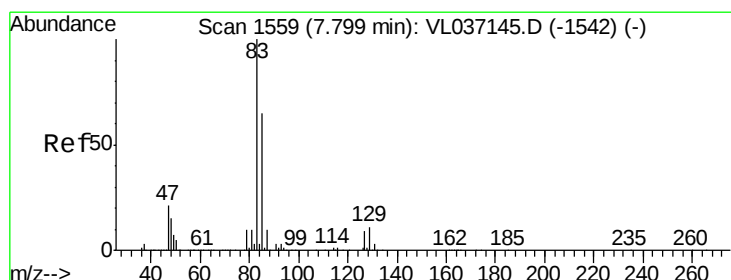
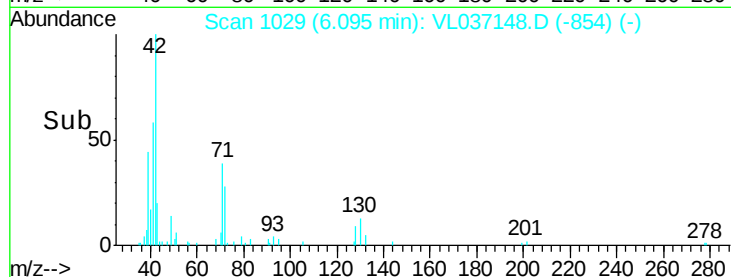
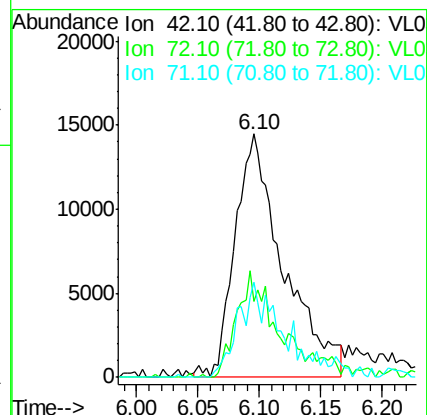
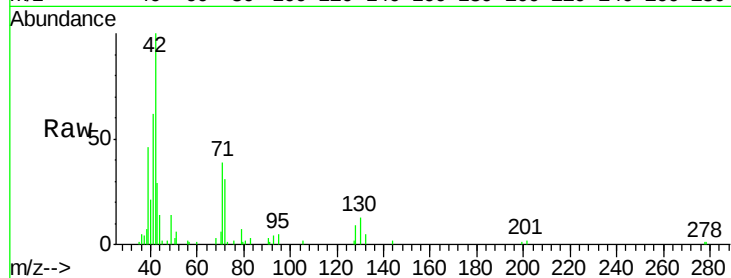
Concen: 0.399 ppbv m
RT: 6.10 min Scan# 1029
Delta R.T. 0.06 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	31.4	47.2
71	37.7	30.4	45.6

Manual Integrations
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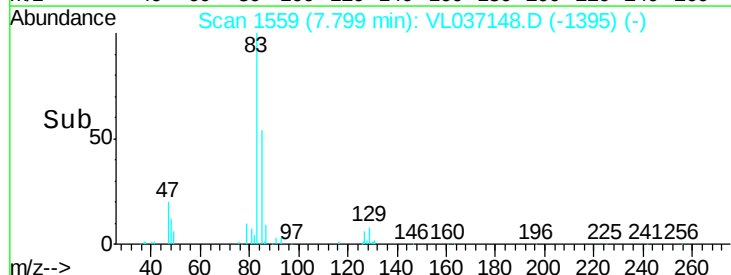
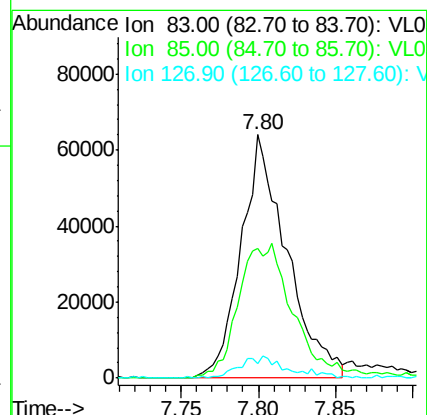
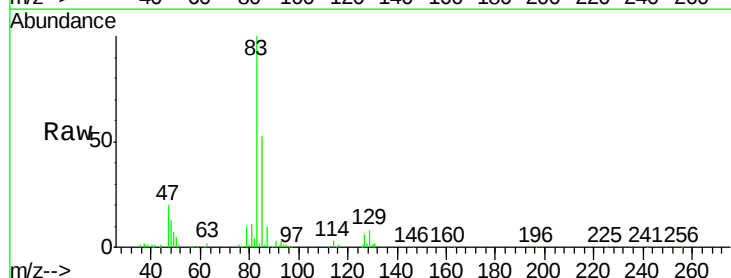


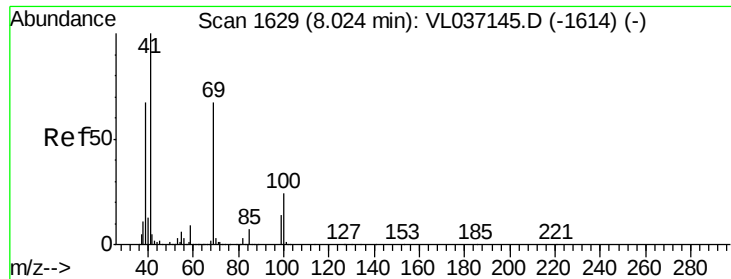
#42

Bromodichloromethane

Concen: 0.427 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. 0.03 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	53.2	51.7	77.5
127	5.7	6.9	10.3#





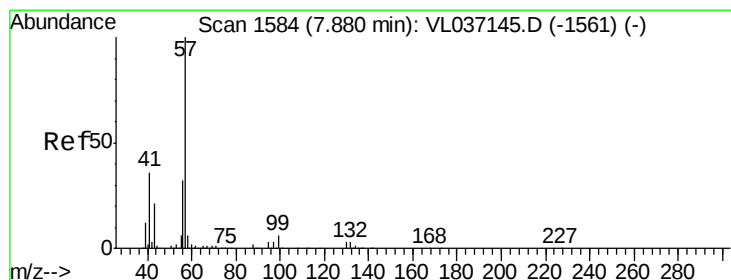
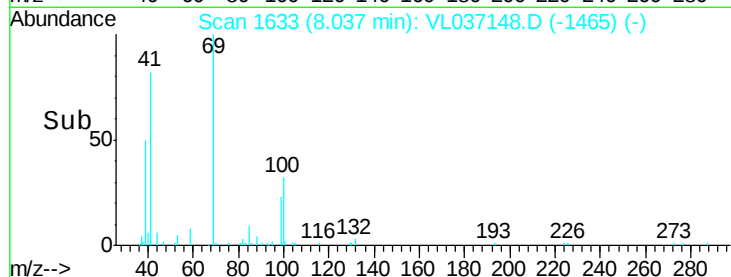
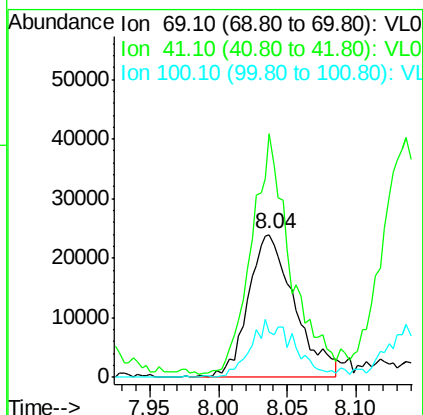
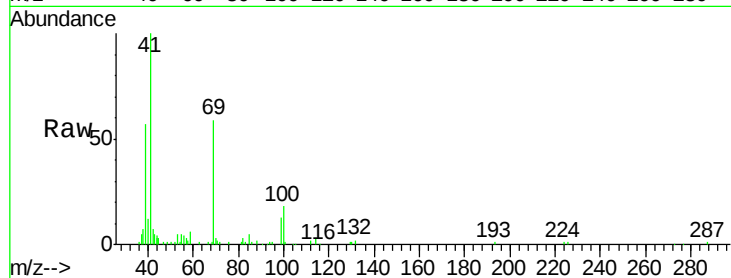
#43
Methvl Methacrilate
Concen: 0.396 ppbv m
RT: 8.04 min Scan# 1633
Delta R.T. 0.04 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
69	100		
41	142.2	118.6	178.0
100	38.9	28.2	42.4

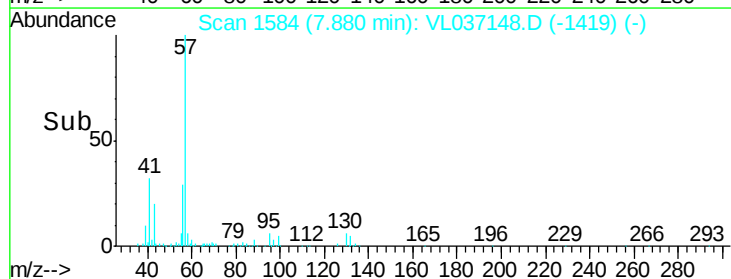
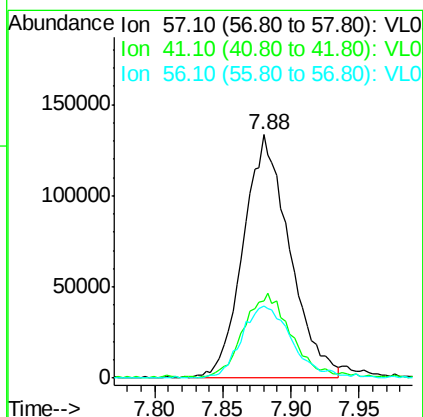
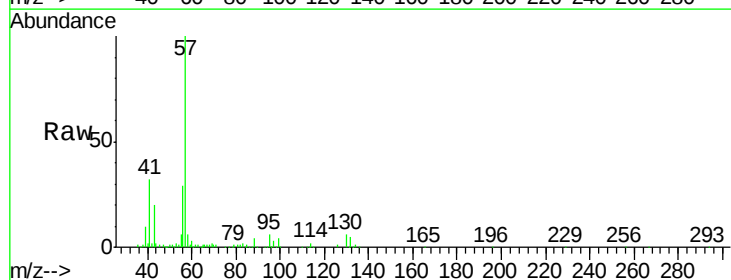
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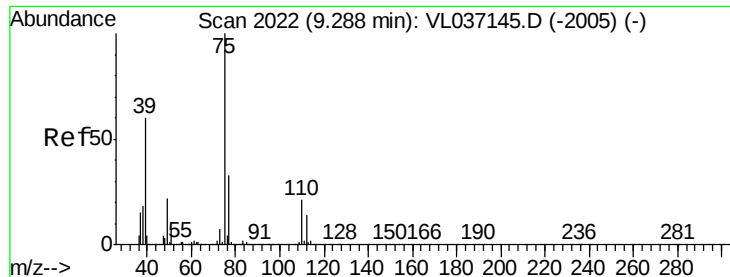
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#44
2,2,4-Trimethylpentane
Concen: 0.442 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.03 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Tgt Ion	Ratio	Lower	Upper
57	100		
41	37.8	27.0	40.4
56	33.0	25.4	38.2





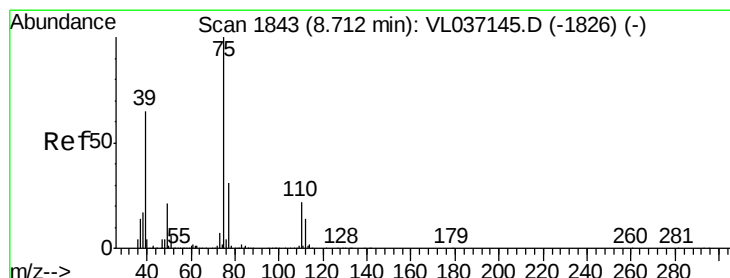
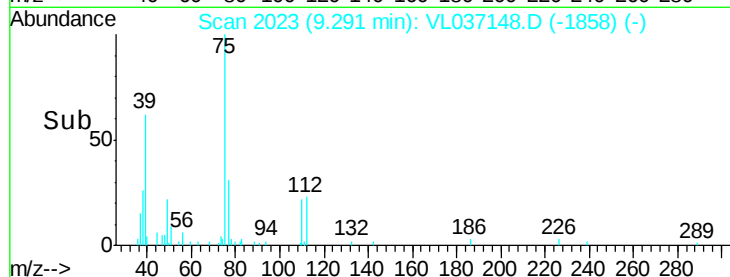
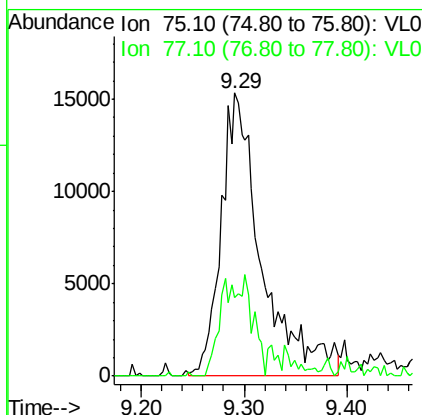
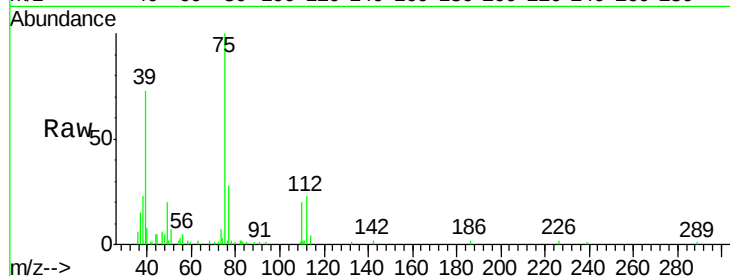
#45
t-1,3-Dichloropropene
Concen: 0.389 ppbv m
RT: 9.29 min Scan# 2023
Delta R.T. 0.03 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
75	100		
77	27.5	24.4	36.6

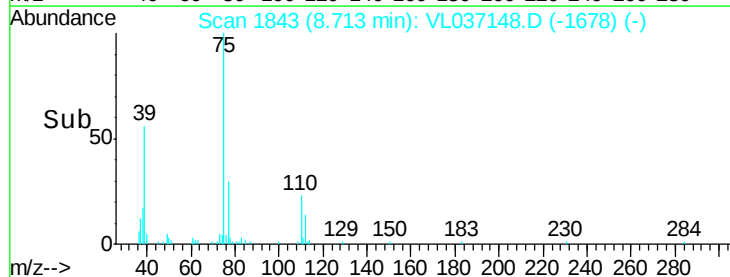
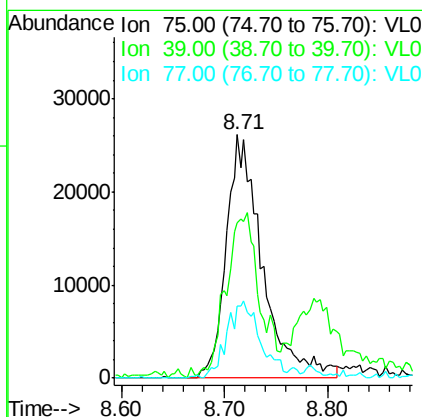
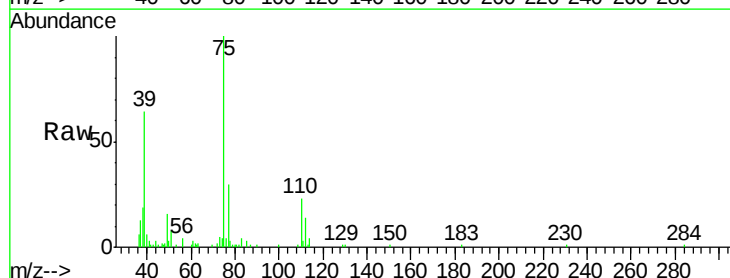
Manual Integrations
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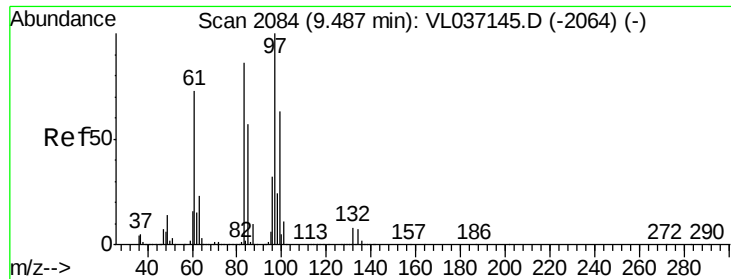
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 0.437 ppbv m
RT: 8.71 min Scan# 1843
Delta R.T. 0.03 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Tgt Ion	Ratio	Lower	Upper
75	100		
39	63.7	51.5	77.3
77	29.7	25.9	38.9





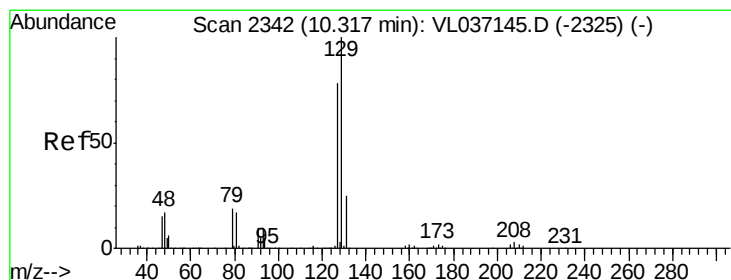
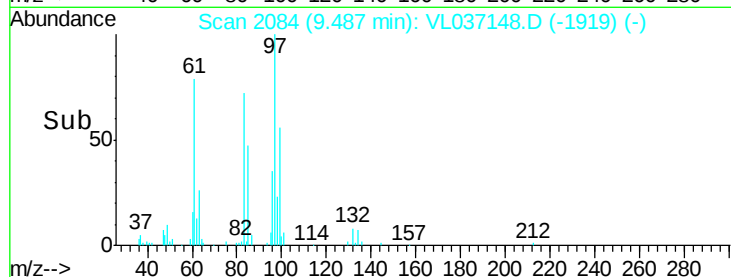
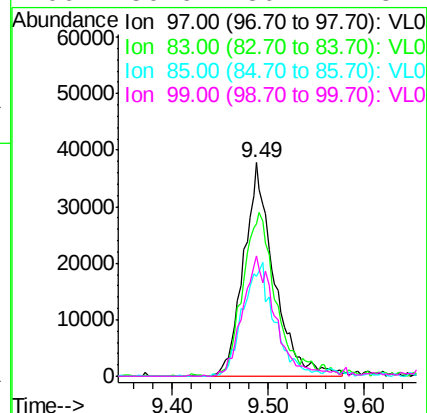
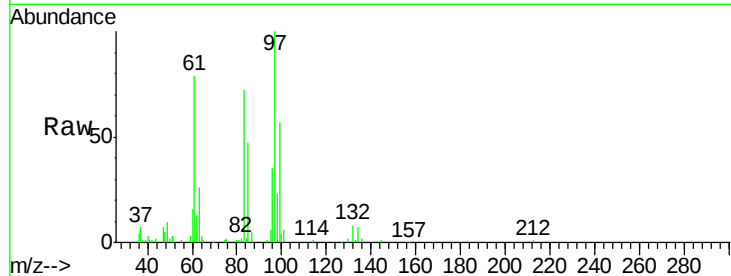
#47
 1,1,2-Trichloroethane
 Concen: 0.502 ppbv m
 RT: 9.49 min Scan# 2084
 Delta R.T. 0.03 min
 Lab File: VL037148.D
 Acq: 14 Jun 2021 14:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	97	Resp	83101
Ion	Ratio	Lower	Upper
97	100		
83	71.5	70.4	105.6
85	47.0	45.5	68.3
99	56.6	50.2	75.2

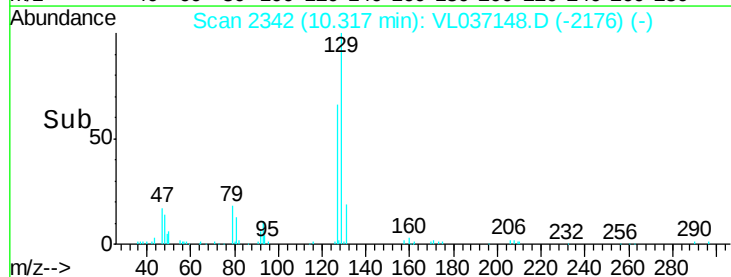
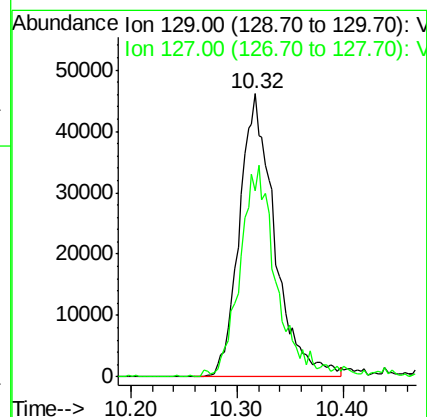
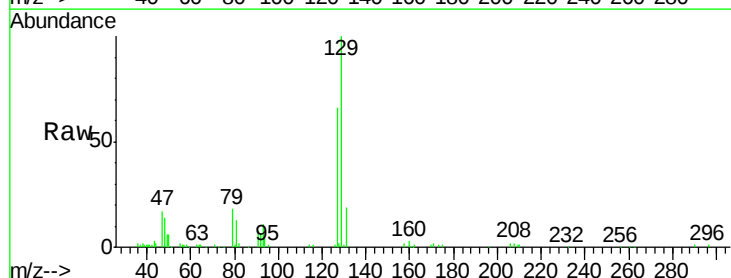
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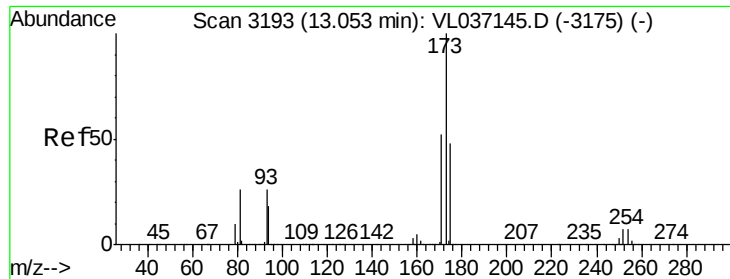
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#48
 Dibromochloromethane
 Concen: 0.396 ppbv m
 RT: 10.32 min Scan# 2342
 Delta R.T. 0.04 min
 Lab File: VL037148.D
 Acq: 14 Jun 2021 14:15

Tgt Ion	129	Resp	106216
Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.3	117.8





#49

Bromoform

Concen: 0.323 ppbv m

RT: 13.05 min Scan# 3193

Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

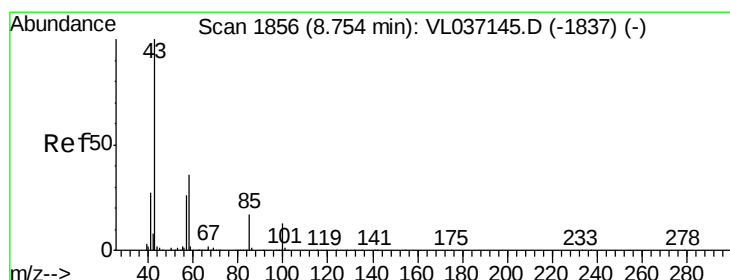
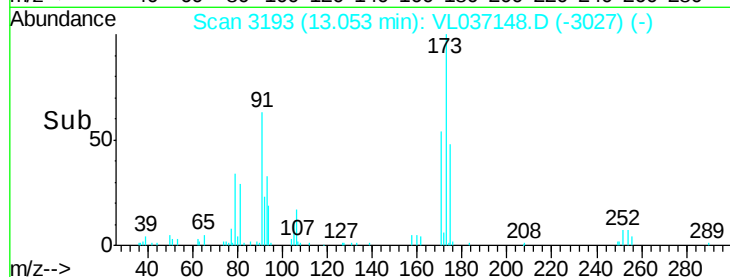
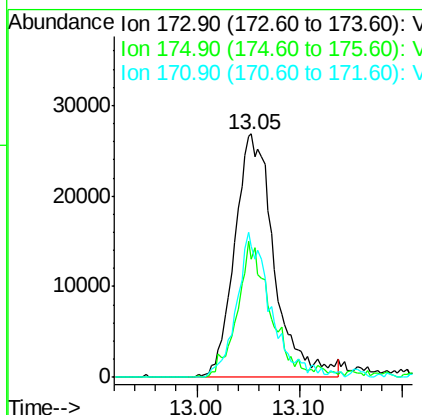
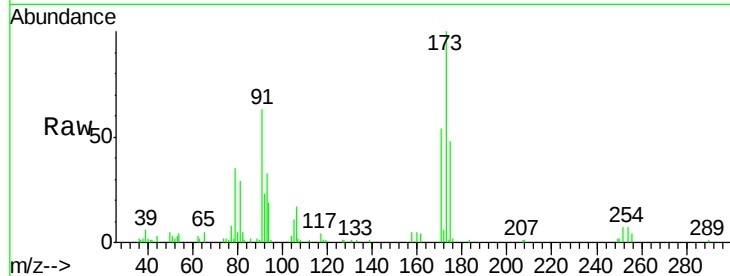
ClientSampleId :

VSTDIC0.5

Tot Ion:	173	Resp:	71646
Ion Ratio	Lower	Upper	
173	100		
175	0.0	40.4	60.6#
171	0.0	42.6	64.0#

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#50

4-Methyl-2-Pentanone

Concen: 0.417 ppbv m

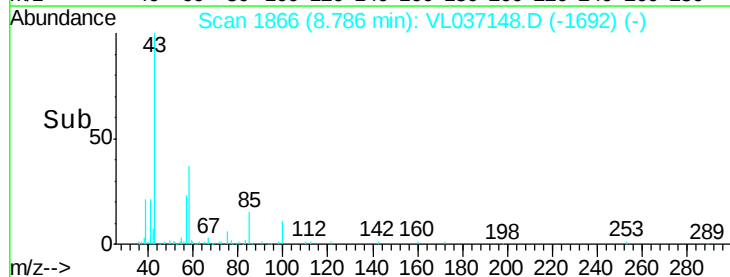
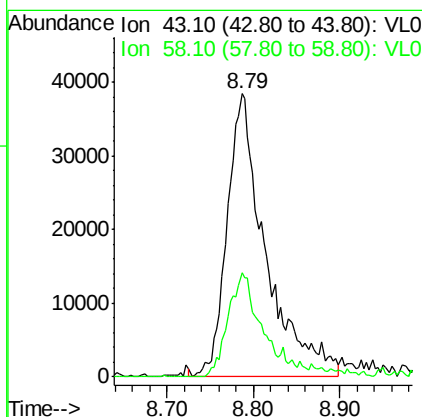
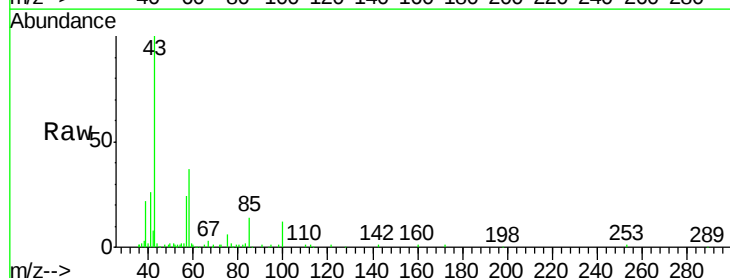
RT: 8.79 min Scan# 1866

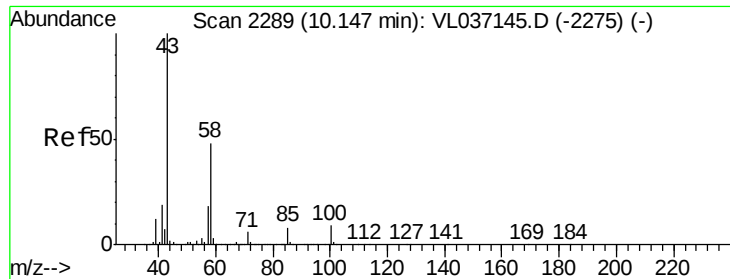
Delta R.T. 0.06 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Tgt Ion:	43	Resp:	119521
Ion Ratio	Lower	Upper	
43	100		
58	0.0	29.4	44.2#





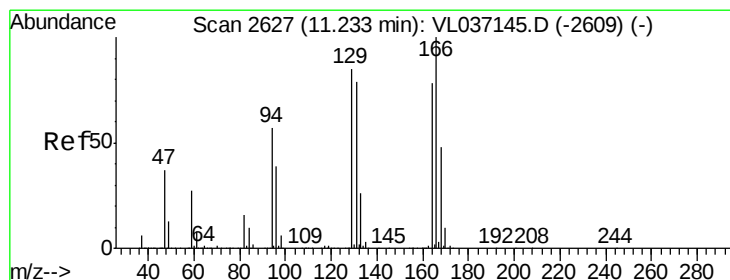
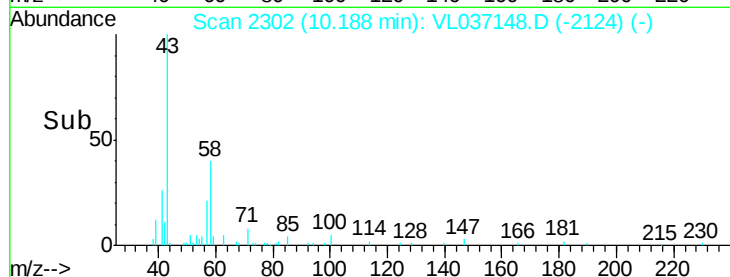
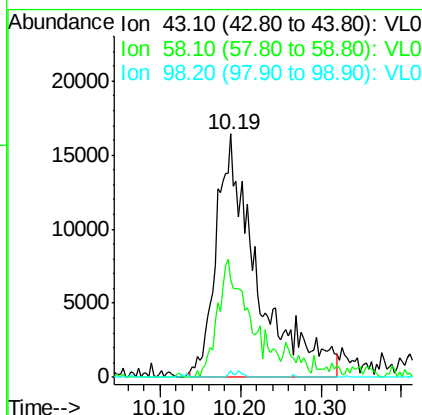
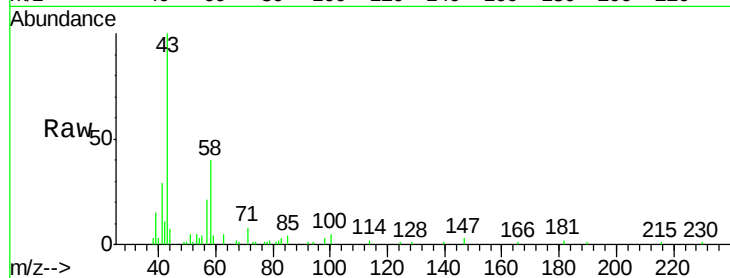
#51
2-Hexanone
Concen: 0.382 ppbv m
RT: 10.19 min Scan# 2302
Delta R.T. 0.07 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

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

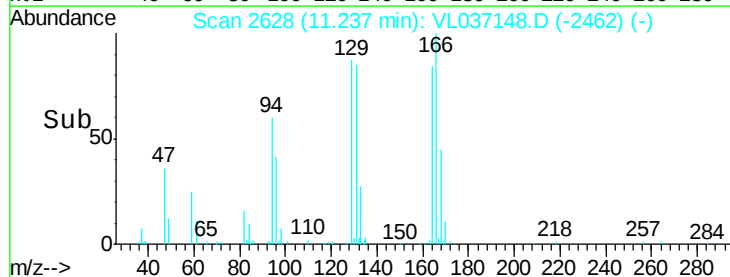
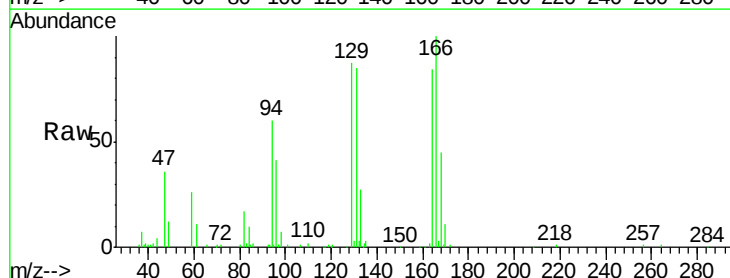
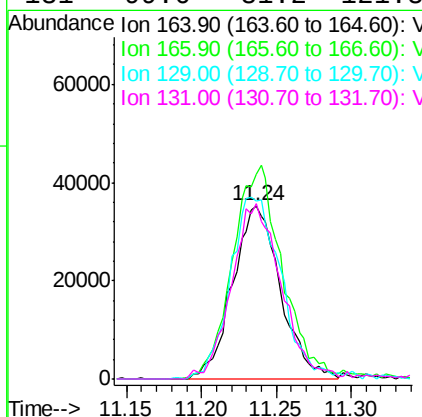
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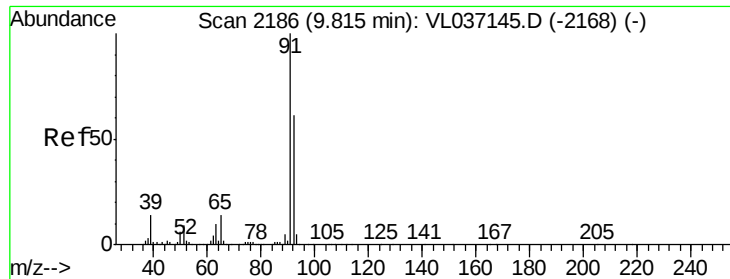
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#52
Tetrachloroethene
Concen: 0.481 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. 0.04 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.8	105.5	158.3
129	102.3	81.8	122.8
131	99.6	81.2	121.8





#53

Toluene

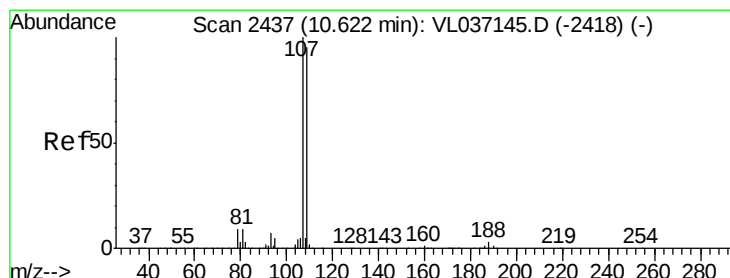
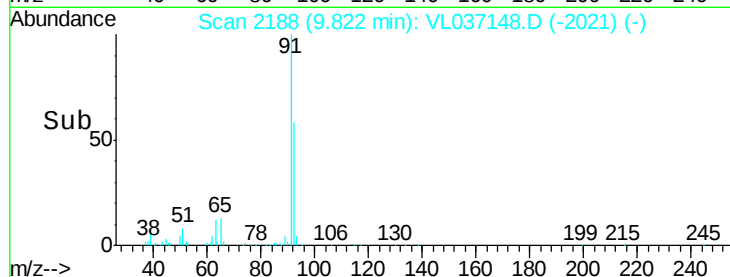
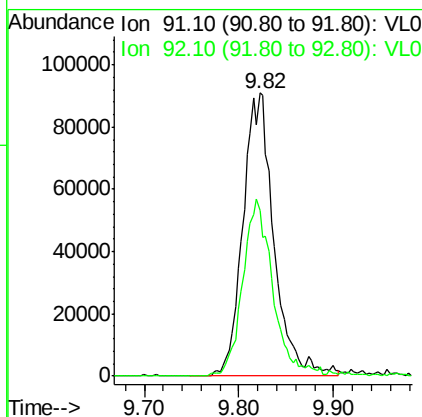
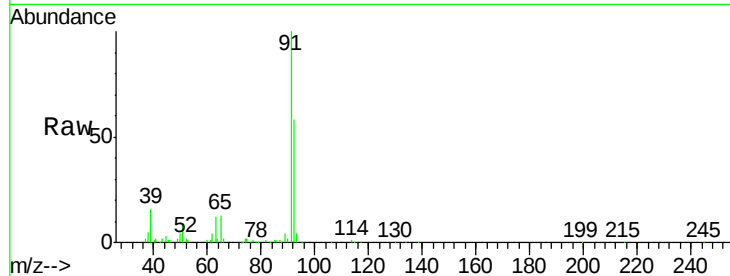
Concen: 0.425 ppbv m
RT: 9.82 min Scan# 2188
Delta R.T. 0.04 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	61.3	49.5	74.3	

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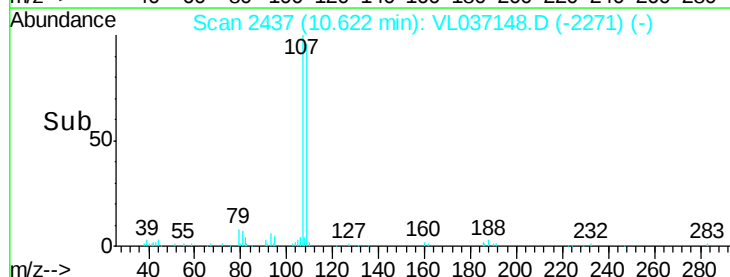
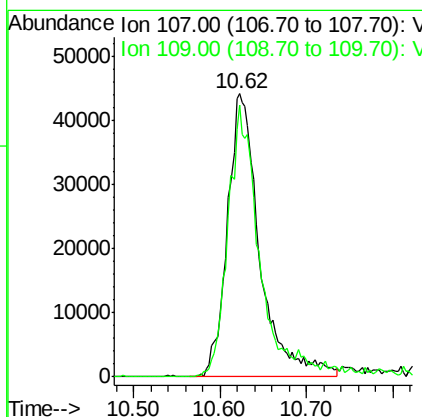
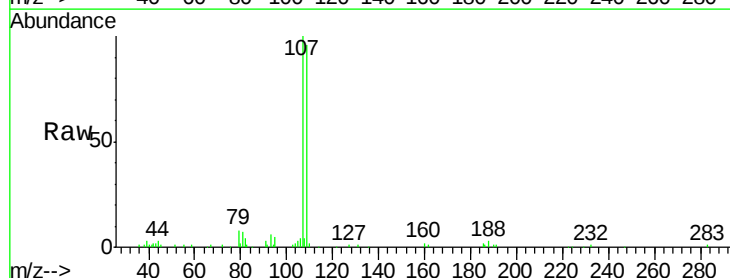


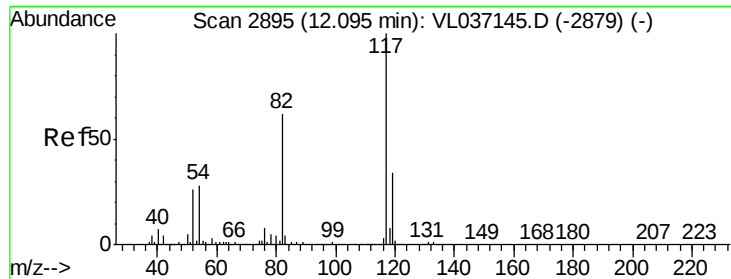
#54

1,2-Dibromoethane

Concen: 0.488 ppbv m
RT: 10.62 min Scan# 2437
Delta R.T. 0.04 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	95.8	75.0	112.4	





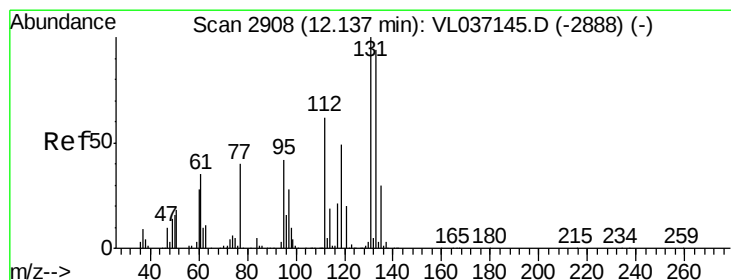
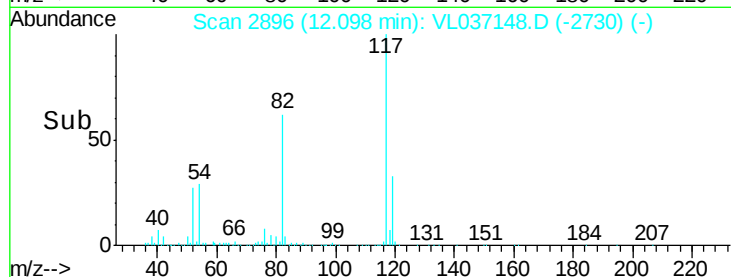
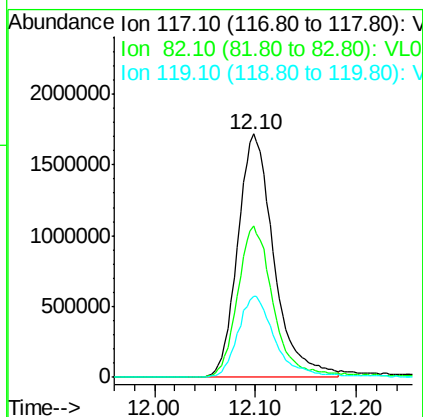
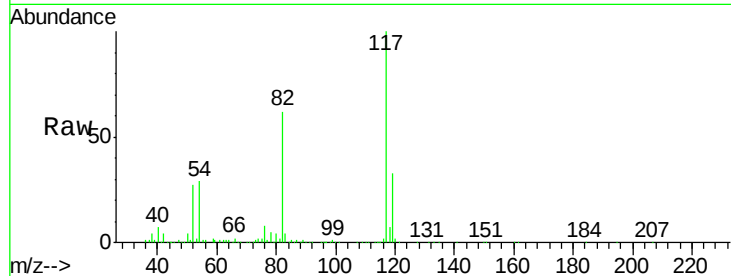
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. 0.04 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion:117 Resp: 4274524
Ion Ratio Lower Upper
117 100
82 62.7 52.6 79.0
119 35.0 46.6 70.0#

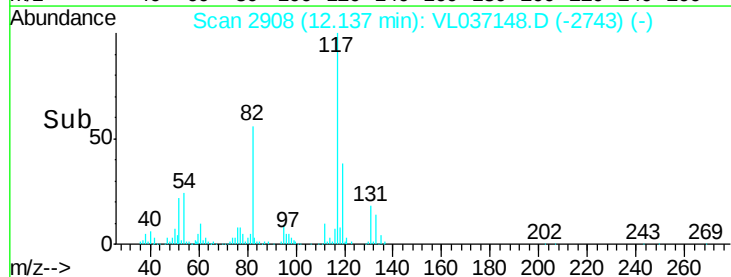
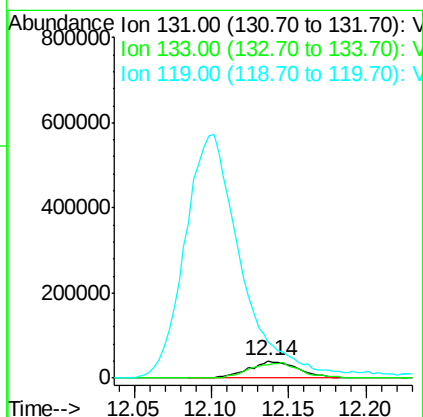
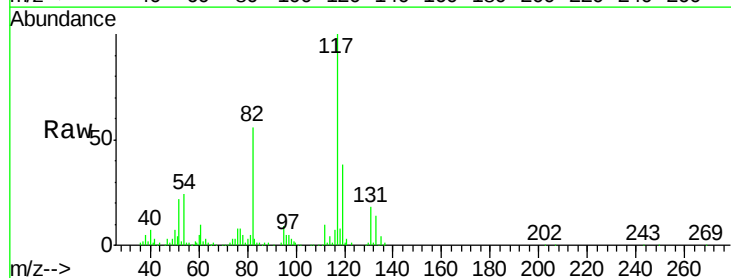
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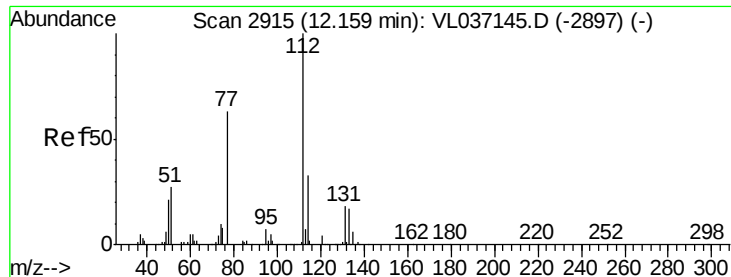
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.500 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. 0.03 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Tgt Ion:131 Resp: 89956
Ion Ratio Lower Upper
131 100
133 95.1 76.9 115.3
119 1662.8 120.2 180.4#





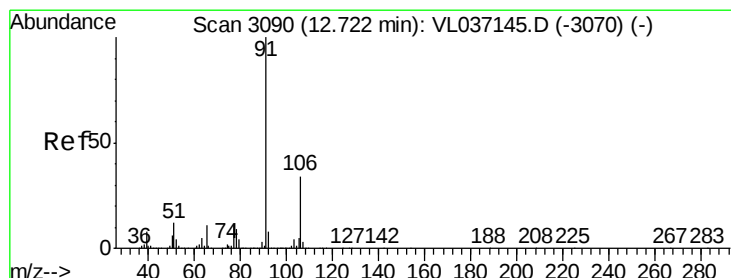
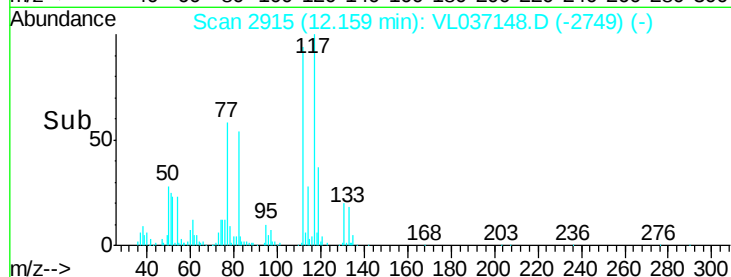
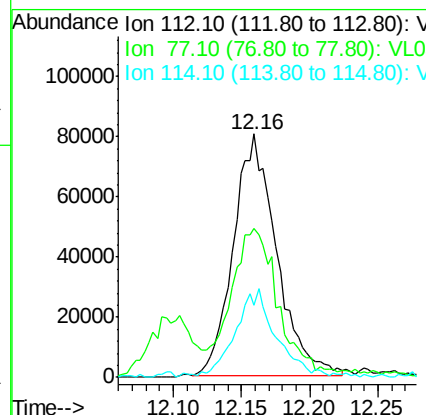
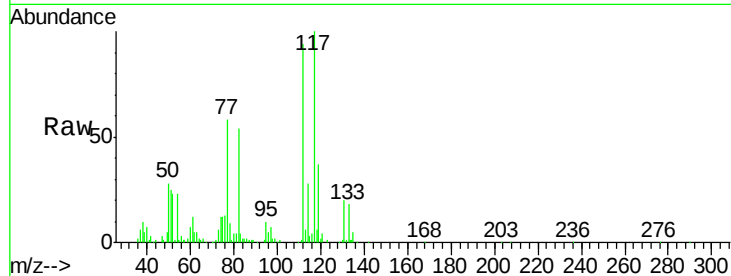
#57
Chlorobenzene
Concen: 0.532 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. 0.04 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
112	100		
77	58.9	51.0	76.6
114	28.7	28.3	34.5

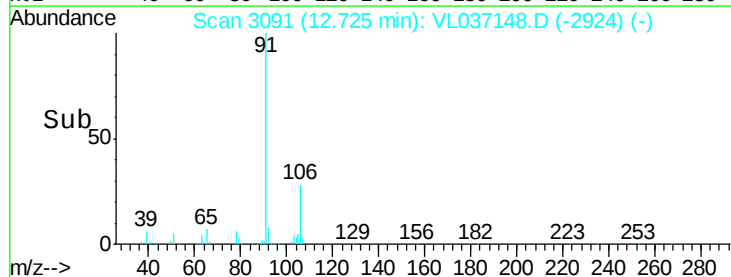
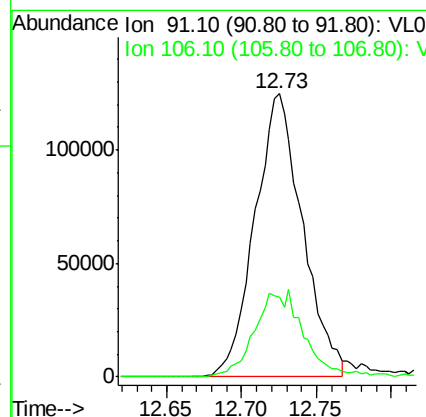
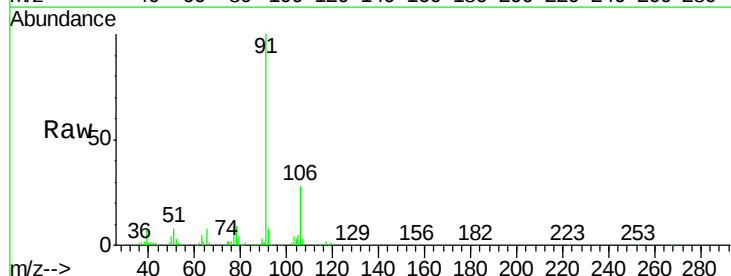
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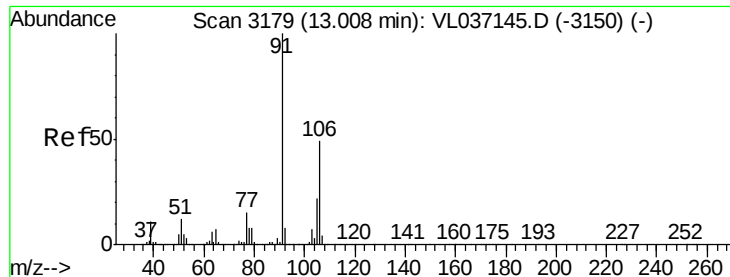
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#58
Ethyl Benzene
Concen: 0.457 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. 0.04 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.3	25.6	38.4





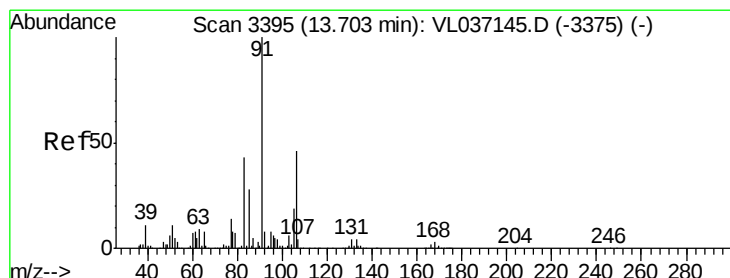
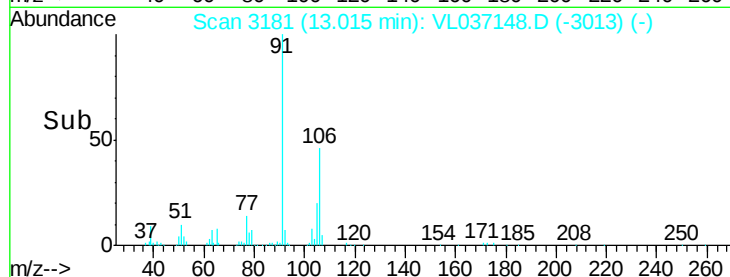
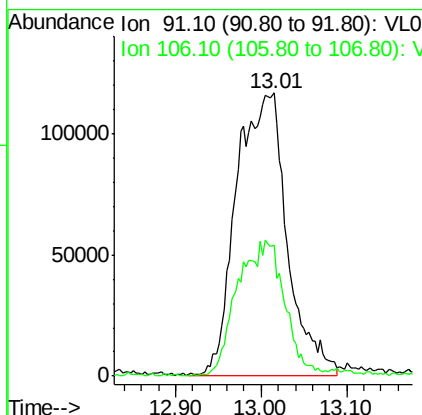
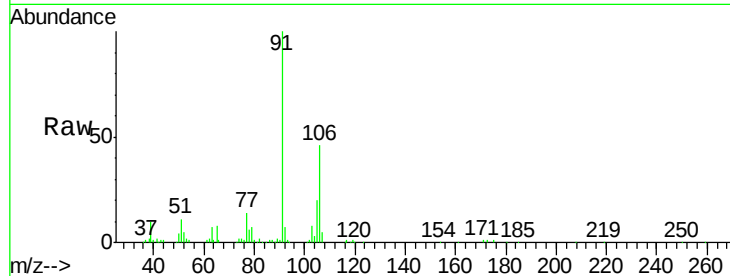
#59
m/p-Xylene
Concen: 0.968 ppbv m
RT: 13.01 min Scan# 3181
Delta R.T. 0.04 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 482825
Ion Ratio Lower Upper
91 100
106 0.0 37.4 56.2#

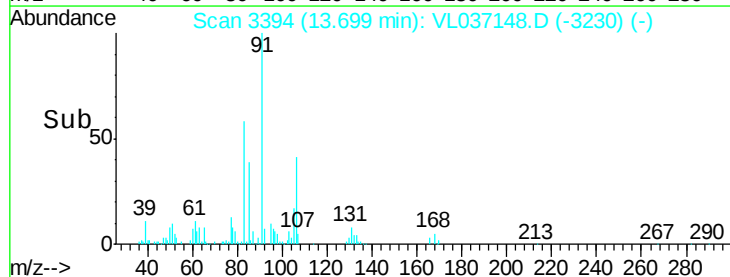
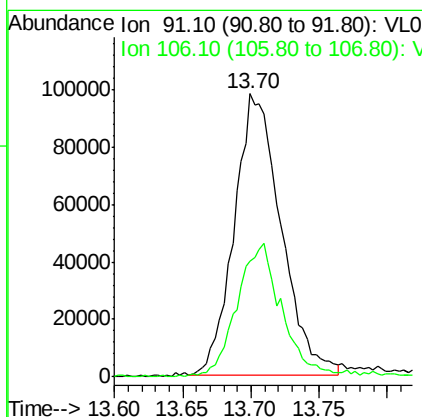
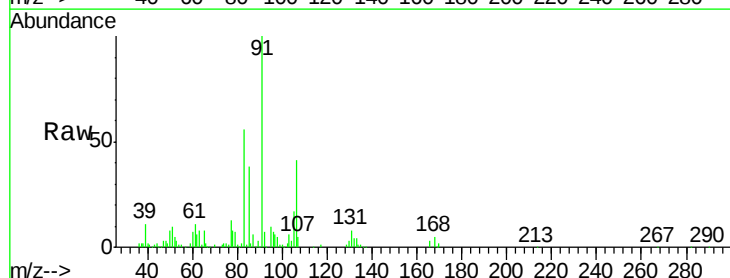
Manual Integrations
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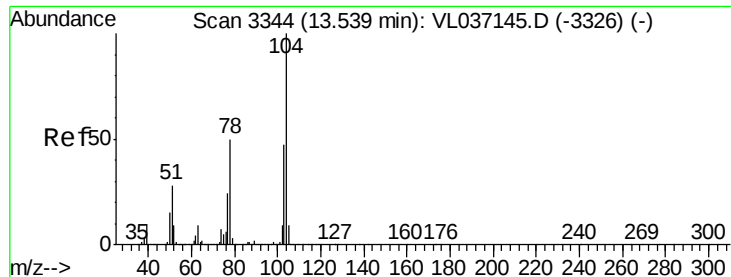
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#60
o-Xylene
Concen: 0.492 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. 0.03 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Tgt Ion: 91 Resp: 233934
Ion Ratio Lower Upper
91 100
106 45.1 23.4 70.3





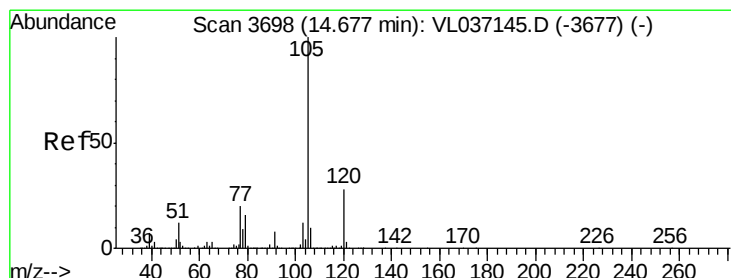
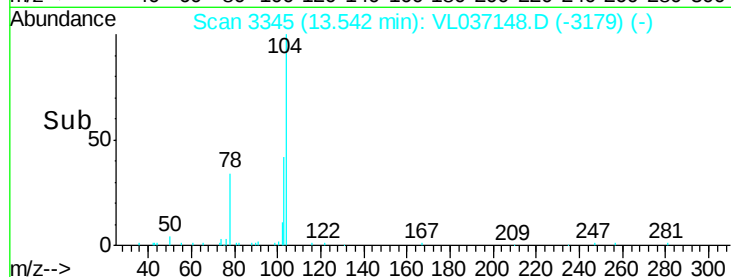
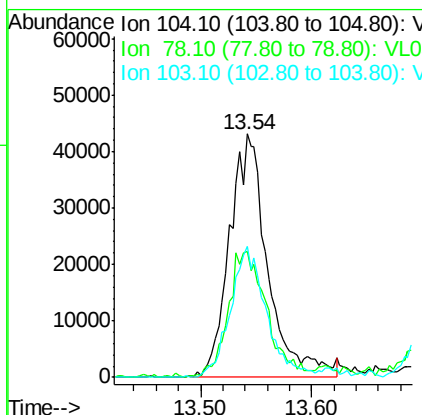
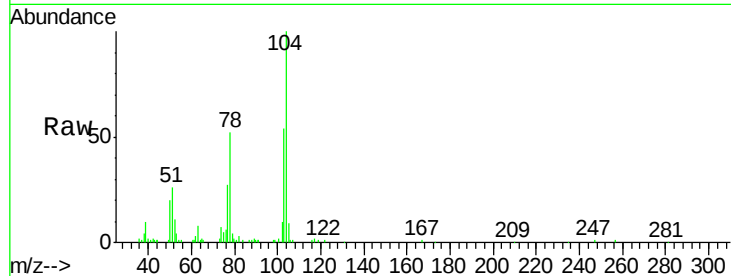
#61
Stvrene
Concen: 0.385 ppbv m
RT: 13.54 min Scan# 3345
Delta R.T. 0.04 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.6	39.0	58.6
103	50.1	38.0	57.0

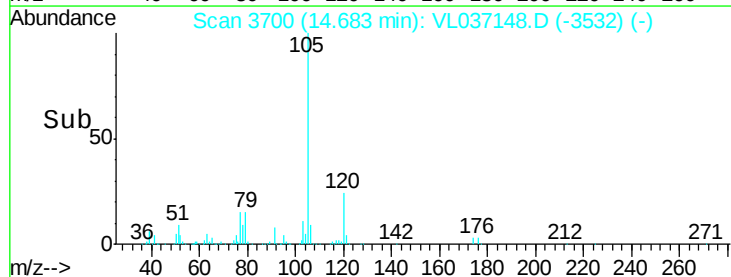
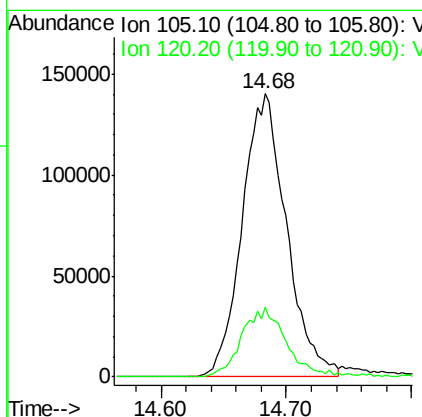
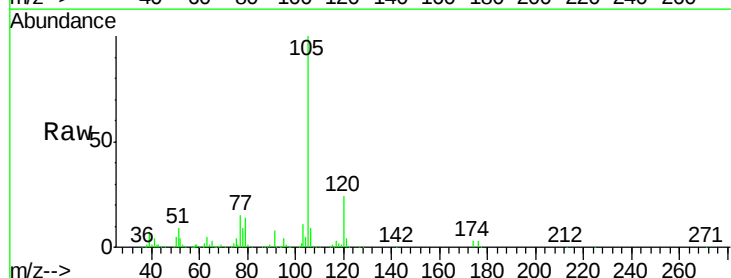
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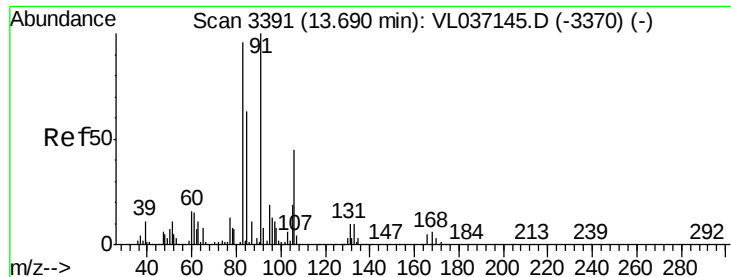
MMDadoda
6/15/2021 6:30:22 PM



#62
Isopropylbenzene
Concen: 0.502 ppbv
RT: 14.68 min Scan# 3700
Delta R.T. 0.04 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.2	21.7	32.5





#63

1,1,2,2-Tetrachloroethane

Concen: 0.460 ppbv

RT: 13.69 min Scan# 3392

Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

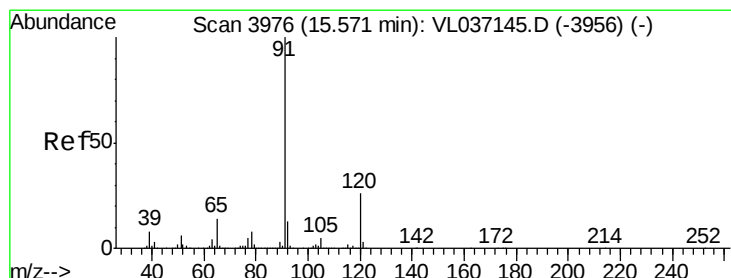
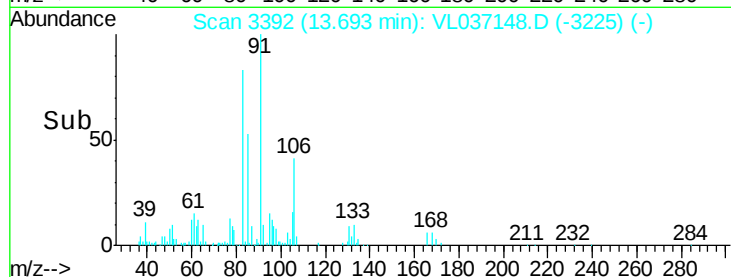
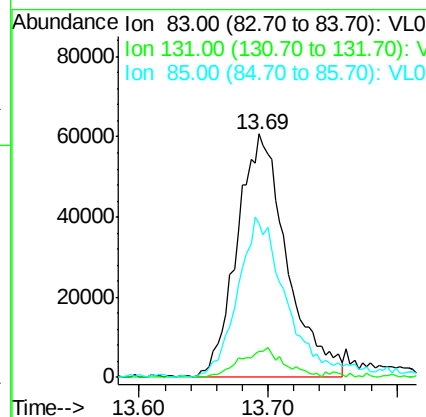
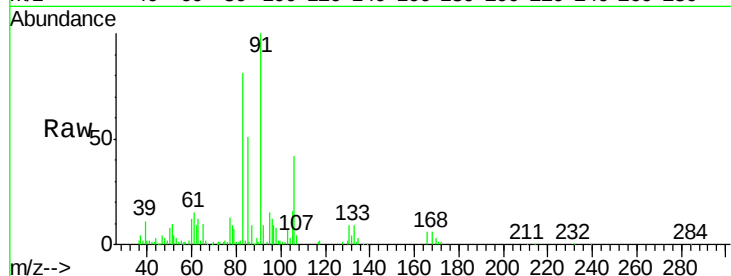
ClientSampleId :

VSTDIC0.5

Tot Ion:	83	Resp:	163437
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.0	15.0
85	65.1	32.9	98.6

Manual Integrations
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#64

n-propylbenzene

Concen: 0.445 ppbv m

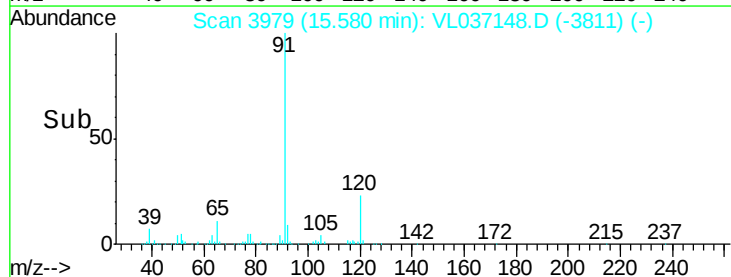
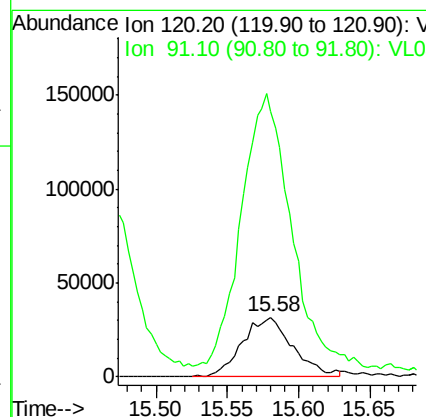
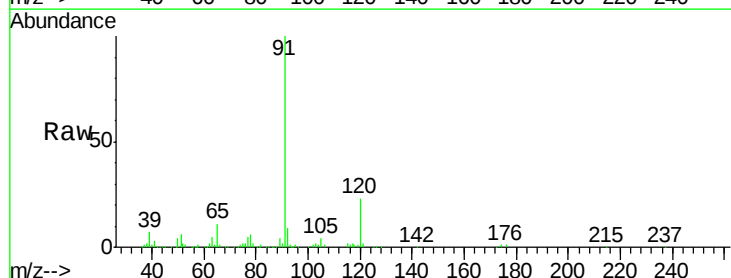
RT: 15.58 min Scan# 3979

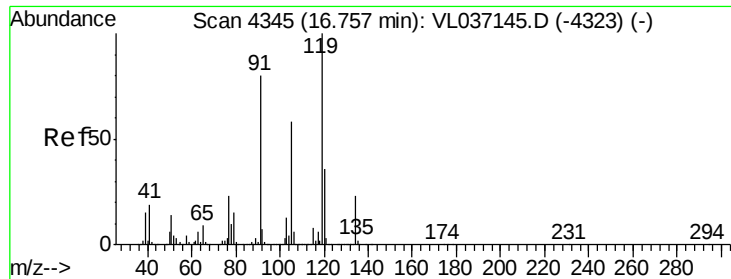
Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Tgt Ion:	120	Resp:	78400
Ion Ratio	Lower	Upper	
120	100		
91	510.6	343.8	515.6





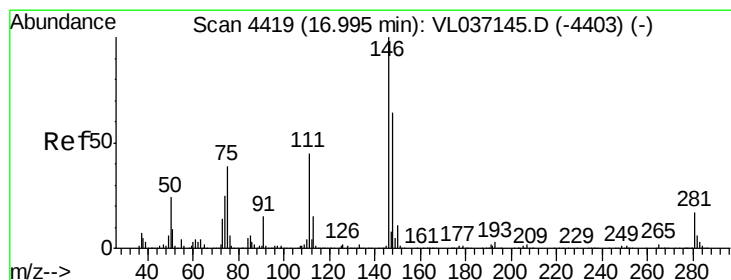
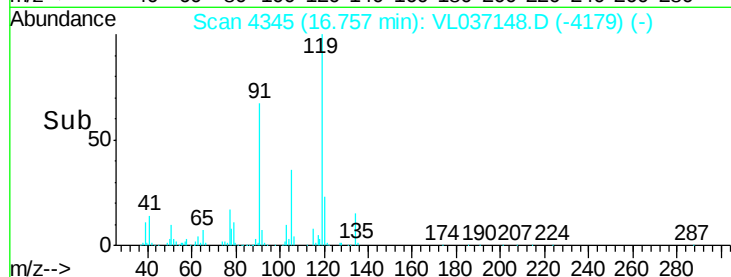
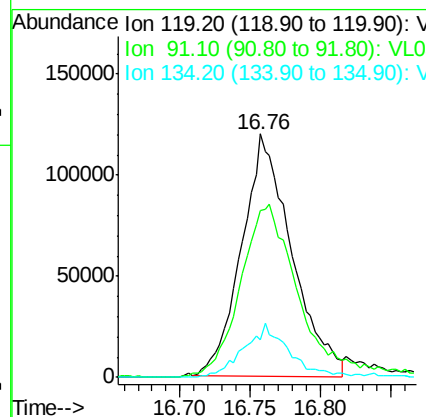
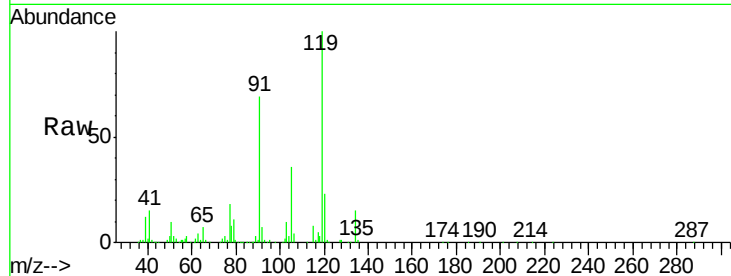
#65
tert-Butylbenzene
Concen: 0.483 ppbv
RT: 16.76 min Scan# 4345
Delta R.T. 0.04 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
119	100		
91	84.6	61.9	92.9
134	19.9	16.2	24.4

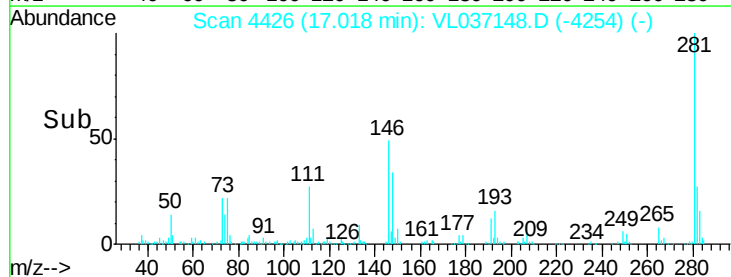
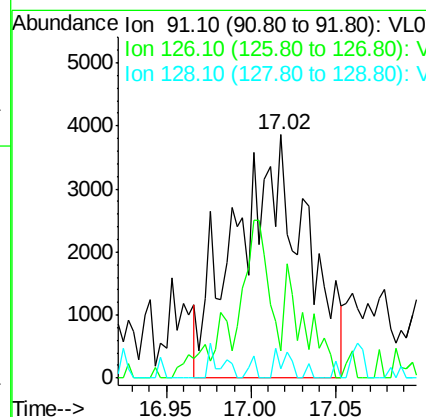
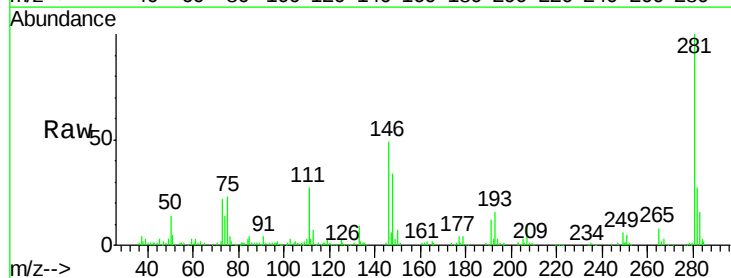
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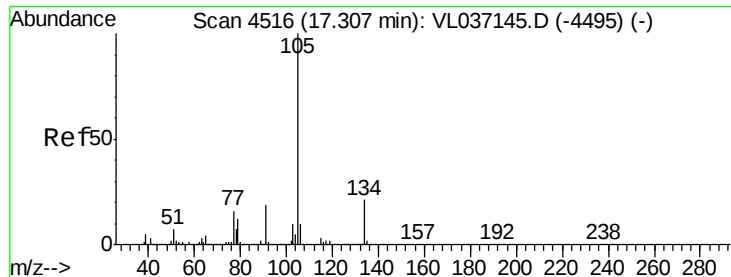
MMDadoda
6/15/2021 6:30:22 PM



#66
Benzyl Chloride
Concen: 0.319 ppbv m
RT: 17.02 min Scan# 4426
Delta R.T. 0.05 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	3.0	16.5	24.7#
128	10.1	5.5	8.3#





#67

sec-Butylbenzene

Concen: 0.495 ppbv m

RT: 17.31 min Scan# 4517

Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 105 Resp: 416720

Ion Ratio Lower Upper

105 100

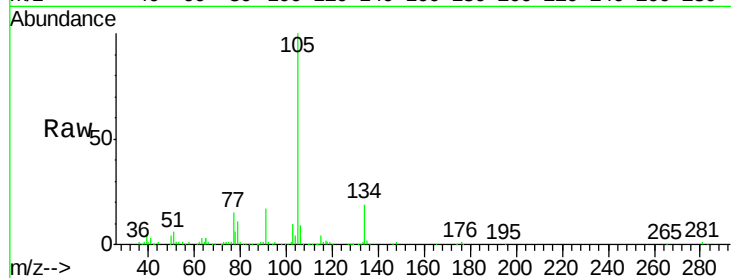
134 17.9 15.6 23.4

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.31

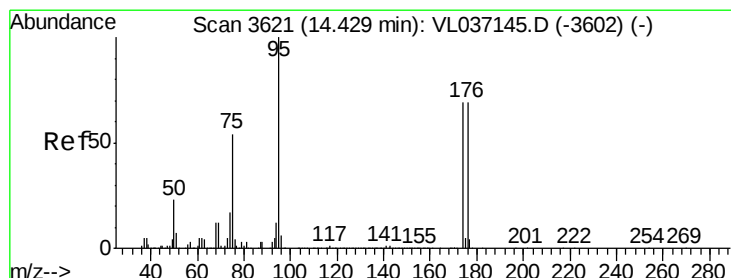
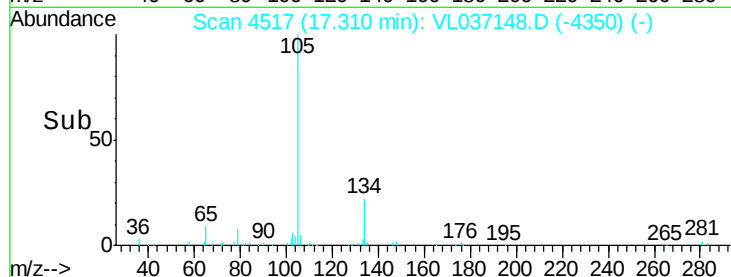
150000

100000

50000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.820 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

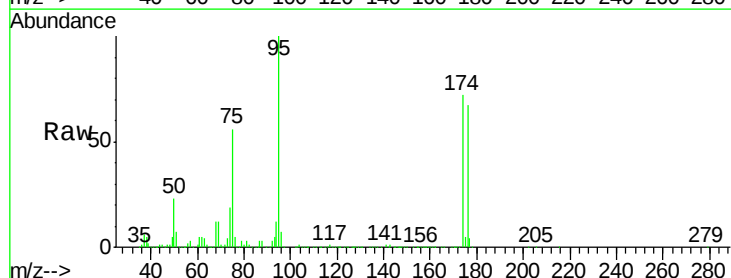
Tgt Ion: 95 Resp: 3153426

Ion Ratio Lower Upper

95 100

174 74.5 58.4 87.6

175 5.5 4.4 6.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

14.43

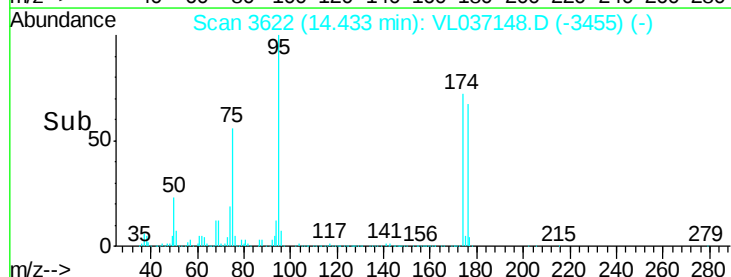
1500000

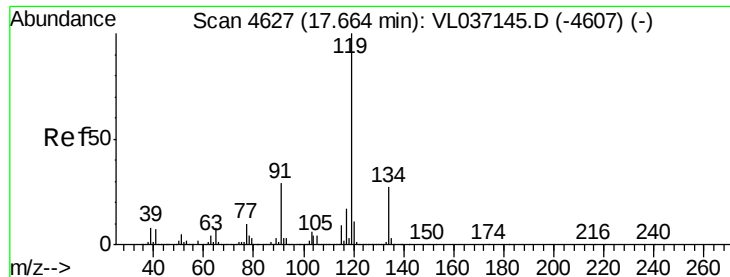
1000000

500000

0

Time-->





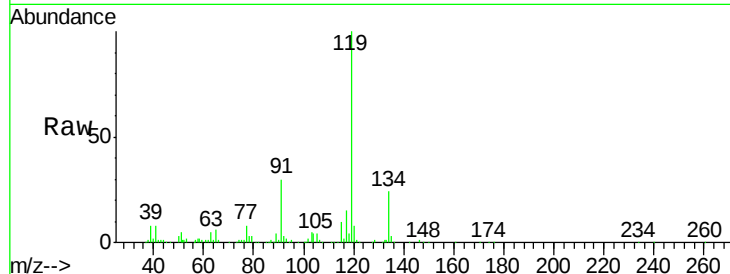
#69
 p-Isopropyltoluene
 Concen: 0.449 ppbv m
 RT: 17.67 min Scan# 4629
 Delta R.T. 0.04 min
 Lab File: VL037148.D
 Acq: 14 Jun 2021 14:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

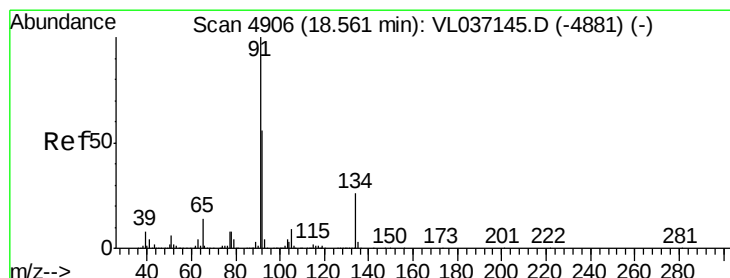
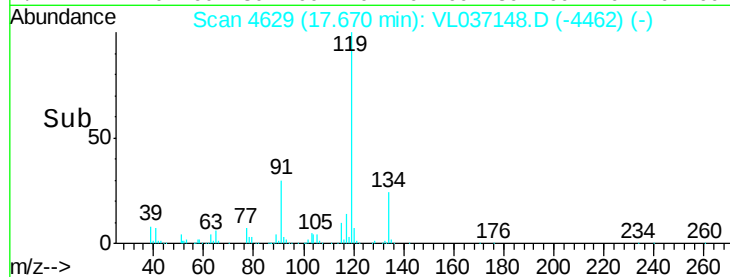
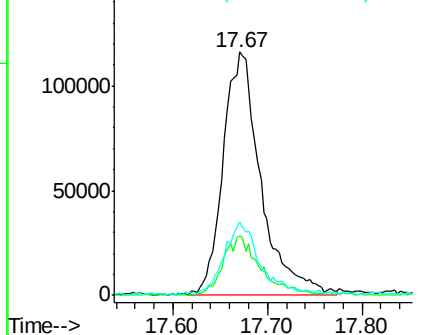
Tot Ion	Ratio	Resp	Lower	Upper
119	100	324479		
134	24.2		21.2	31.8
91	28.5		22.2	33.4

Manual Integrations
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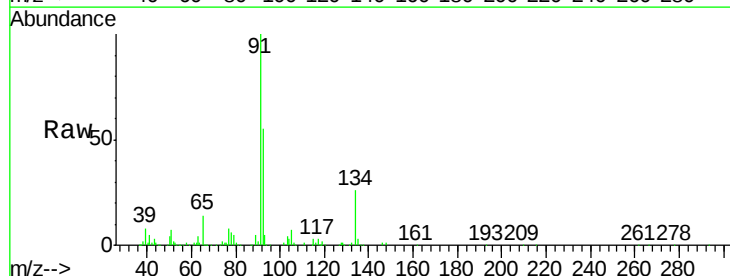


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

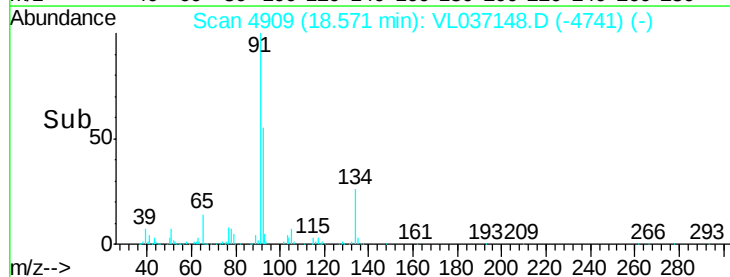
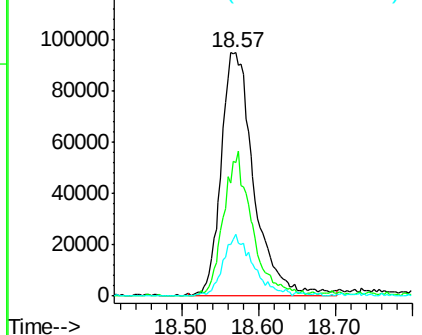


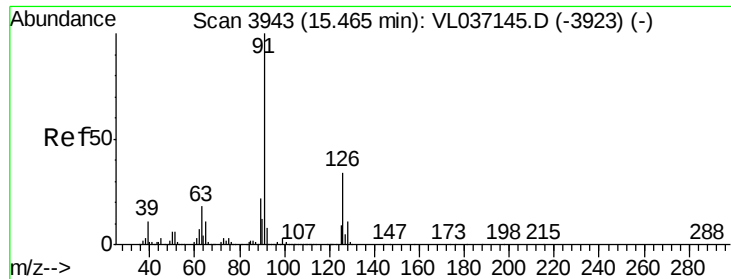
#70
 n-Butylbenzene
 Concen: 0.410 ppbv m
 RT: 18.57 min Scan# 4909
 Delta R.T. 0.04 min
 Lab File: VL037148.D
 Acq: 14 Jun 2021 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	281897		
92	51.5		44.6	66.8
134	23.8		20.2	30.2



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 0.468 ppbv

RT: 15.47 min Scan# 3944

Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 231273

Ion Ratio Lower Upper

91 100

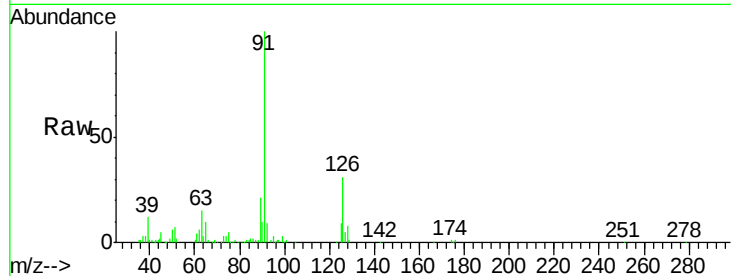
126 32.6 13.1 52.5

Manual Integrations

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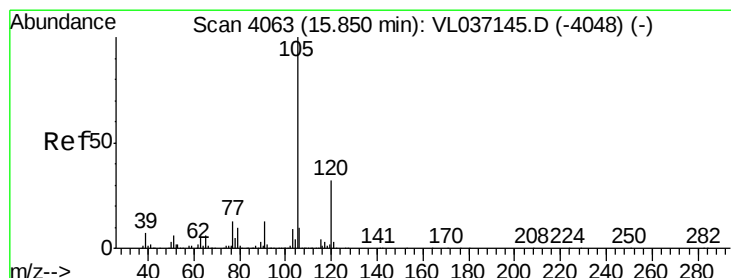
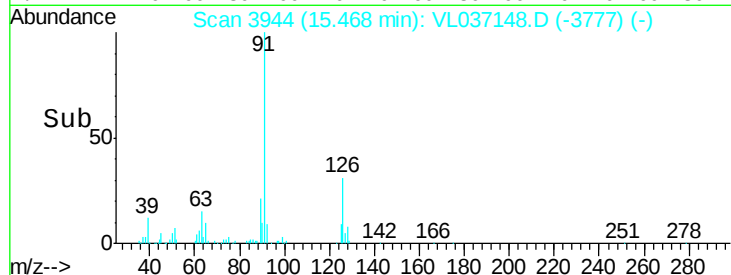
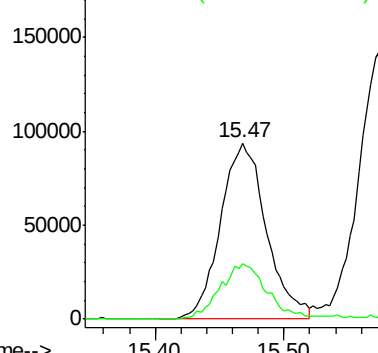
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.455 ppbv m

RT: 15.85 min Scan# 4064

Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Tgt Ion: 105 Resp: 256797

Ion Ratio Lower Upper

105 100

120 31.4 24.6 37.0

91 12.4 9.8 14.6

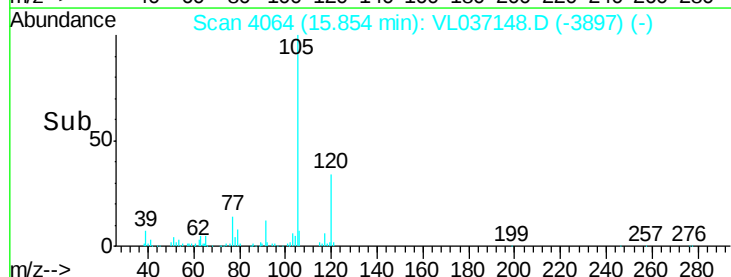
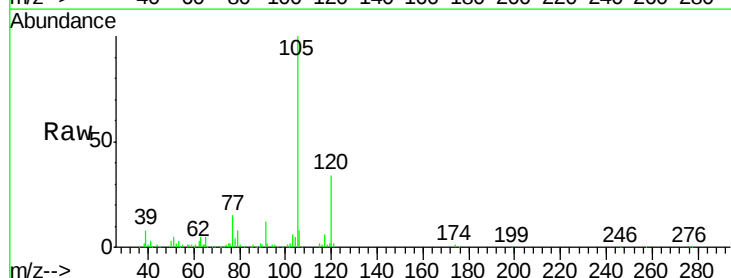
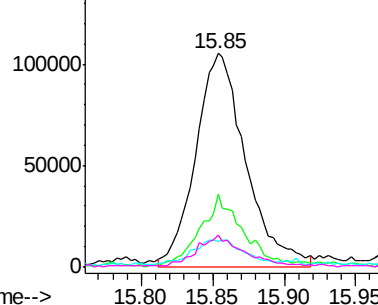
77 14.6 10.4 15.6

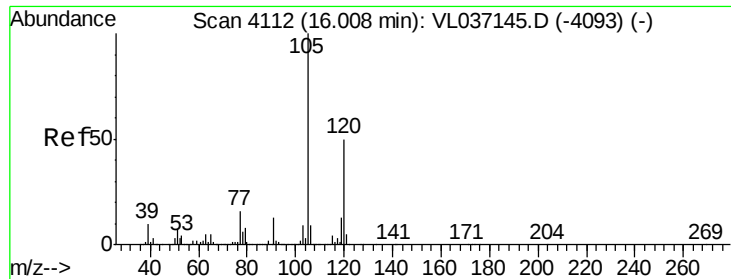
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

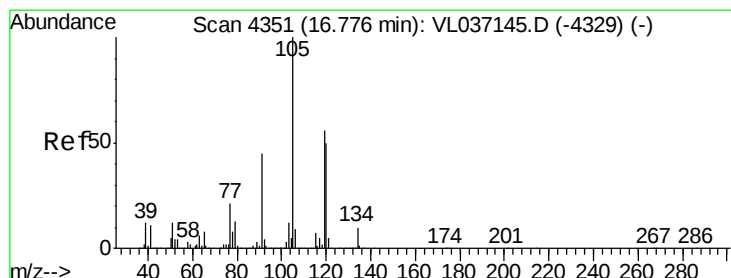
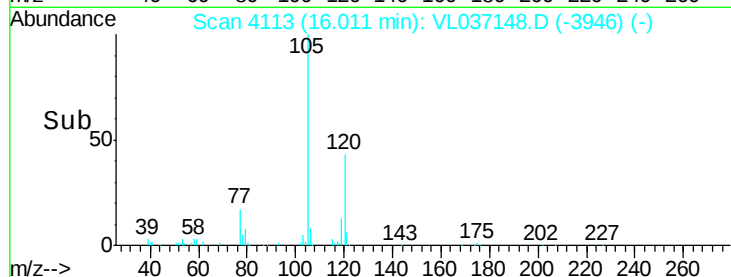
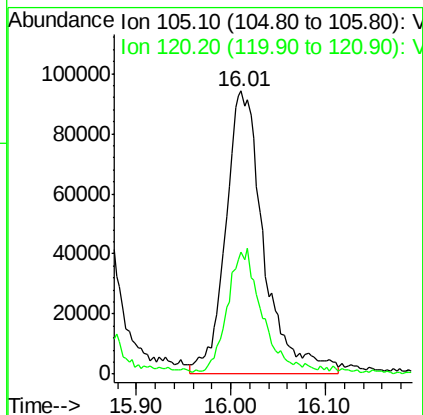
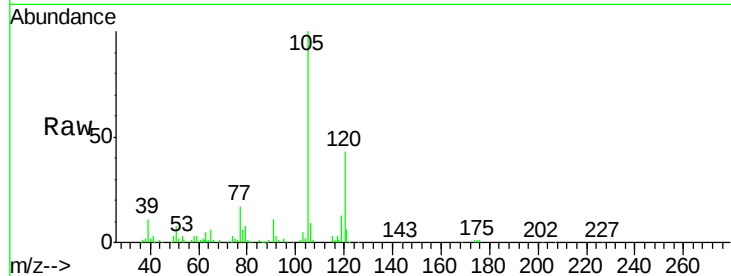
1,3,5-Trimethylbenzene
Concen: 0.502 ppbv m
RT: 16.01 min Scan# 4113
Delta R.T. 0.04 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Instrument :
MSVOA_L
ClientSampled :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.0	38.6	58.0

Manual Integrations
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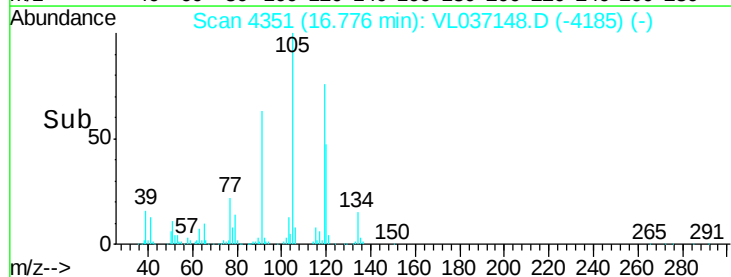
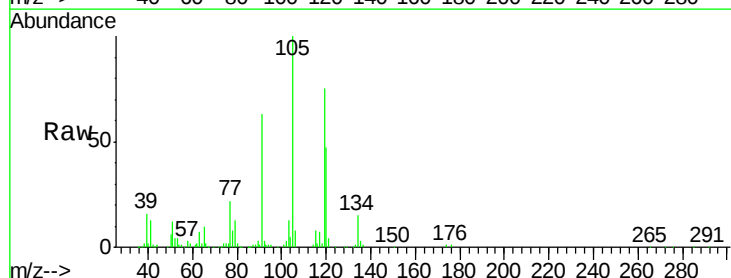
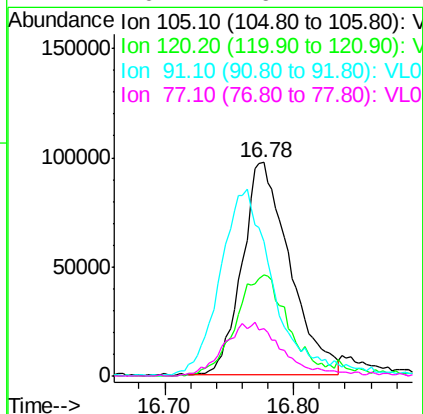
MMDadoda
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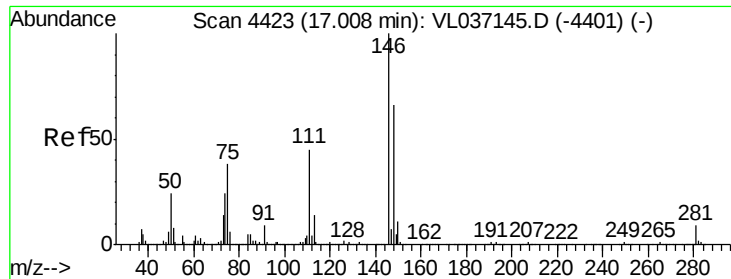


#74

1,2,4-Trimethylbenzene
Concen: 0.458 ppbv
RT: 16.78 min Scan# 4351
Delta R.T. 0.04 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	40.6	61.0
91	58.0	37.4	56.0#
77	20.7	16.2	24.4





#75

1,3-Dichlorobenzene

Concen: 0.463 ppbv m

RT: 17.00 min Scan# 4422

Delta R.T. 0.03 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

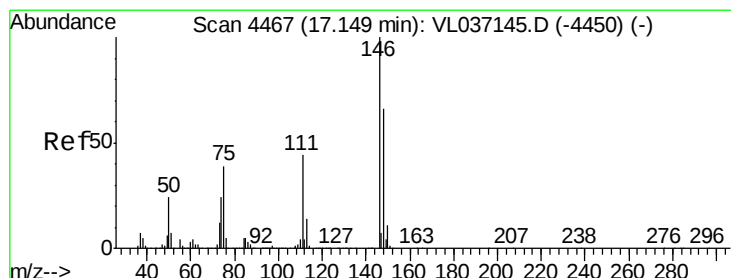
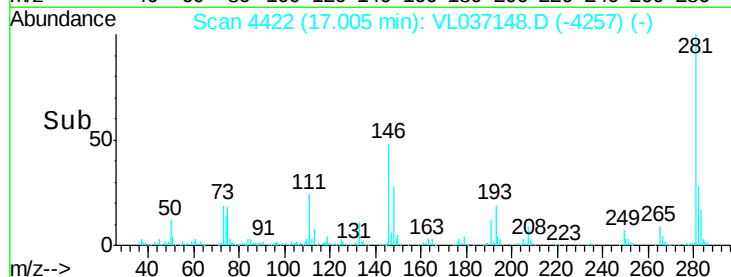
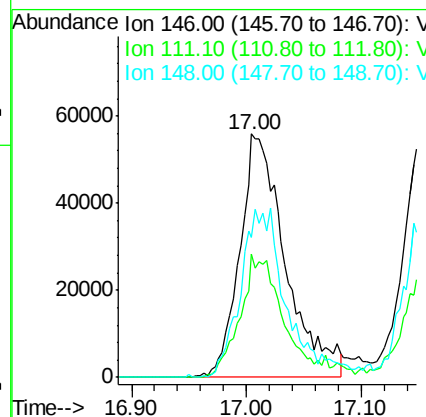
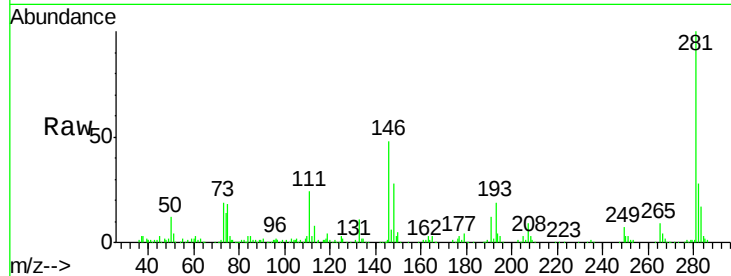
ClientSampleId :

VSTDIC0.5

Tot Ion:	146	Resp:	154960
Ion Ratio	Lower	Upper	
146	100		
111	49.6	22.2	66.6
148	69.6	32.3	96.8

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 0.482 ppbv m

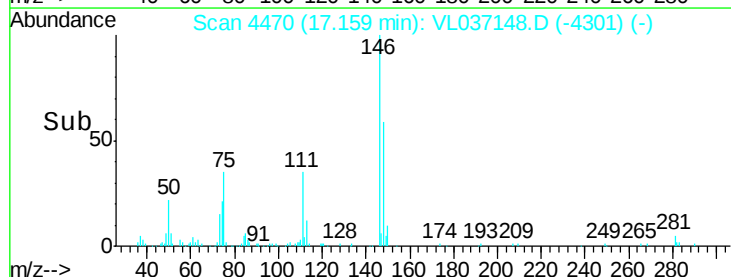
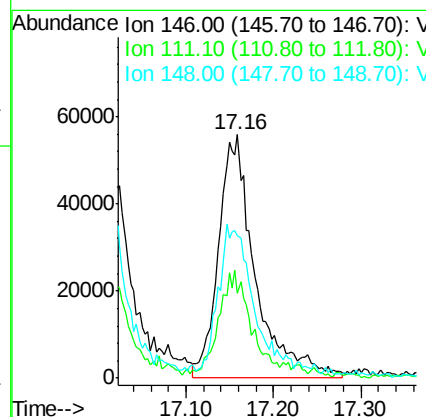
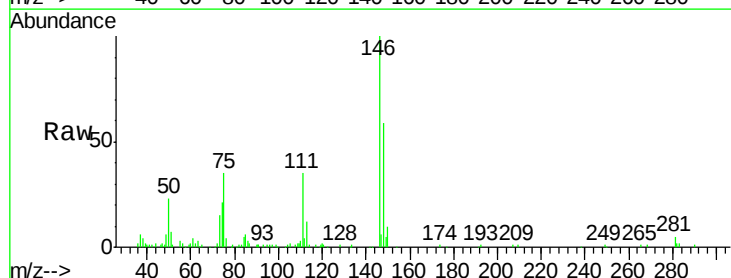
RT: 17.16 min Scan# 4470

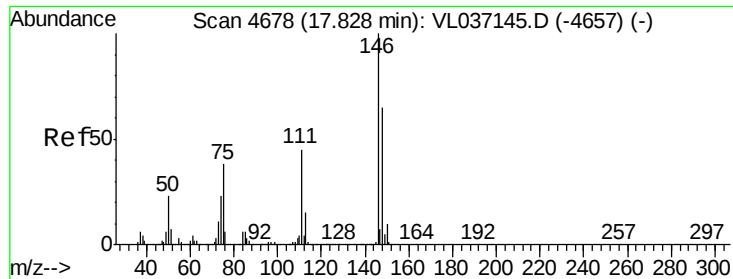
Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Tgt Ion:	146	Resp:	163255
Ion Ratio	Lower	Upper	
146	100		
111	43.6	22.6	67.7
148	0.0	33.5	100.5#





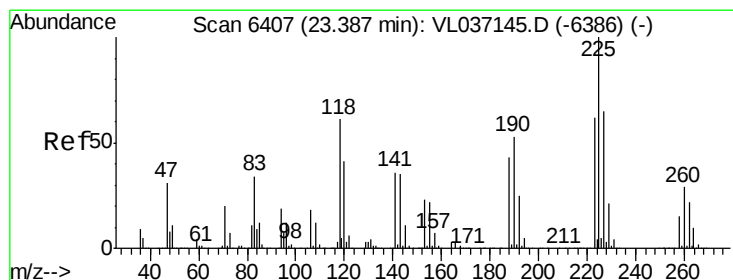
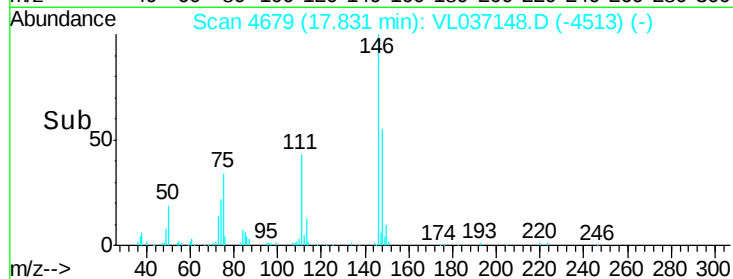
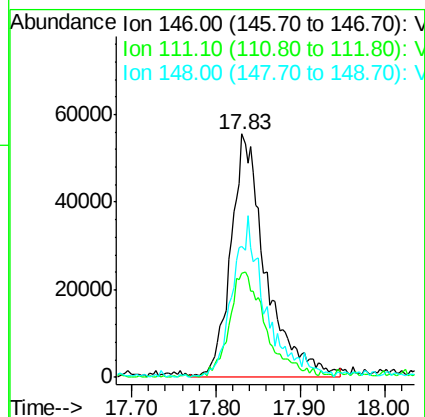
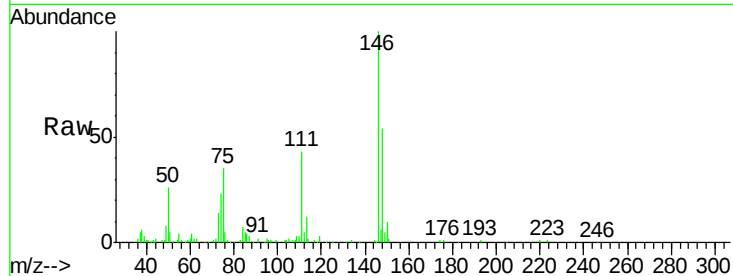
#77
 1,2-Dichlorobenzene
 Concen: 0.478 ppbv m
 RT: 17.83 min Scan# 4679
 Delta R.T. 0.04 min
 Lab File: VL037148.D
 Acq: 14 Jun 2021 14:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	23.1	69.2
148	64.6	32.5	97.4

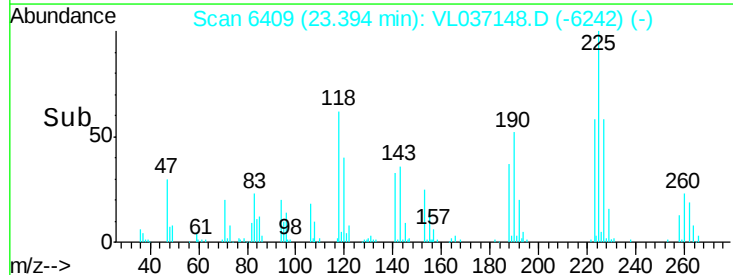
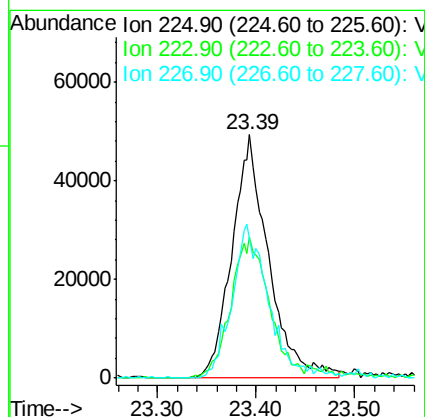
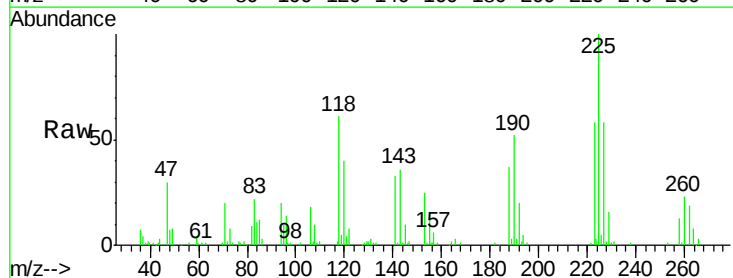
Manual Integrations
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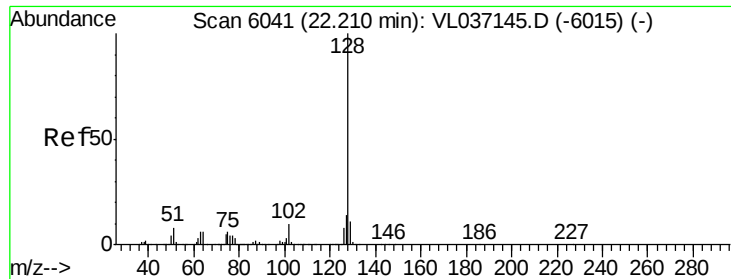
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.473 ppbv m
 RT: 23.39 min Scan# 6409
 Delta R.T. 0.04 min
 Lab File: VL037148.D
 Acq: 14 Jun 2021 14:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	51.9	77.9
227	63.2	51.8	77.6





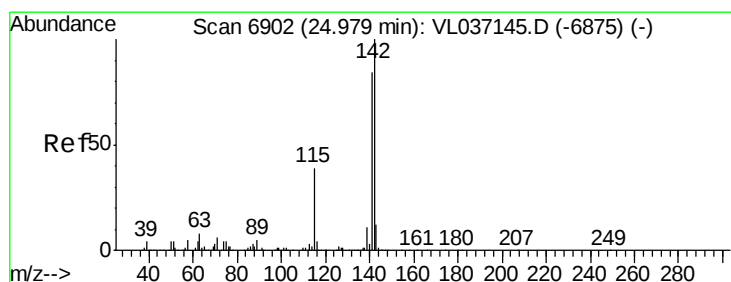
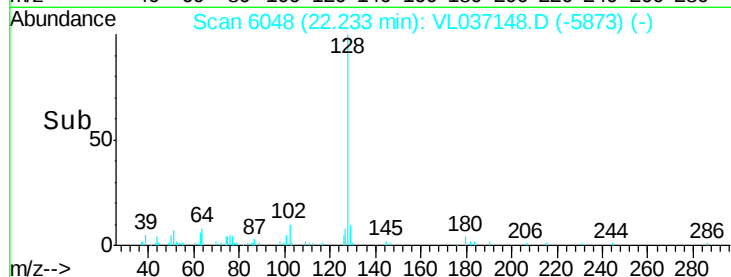
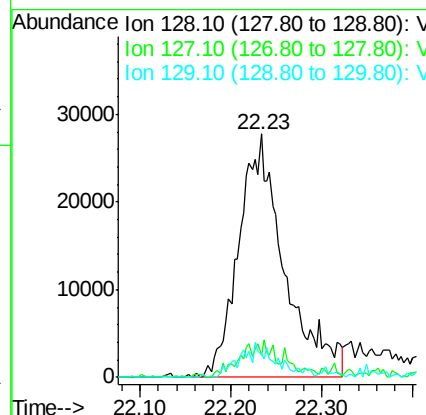
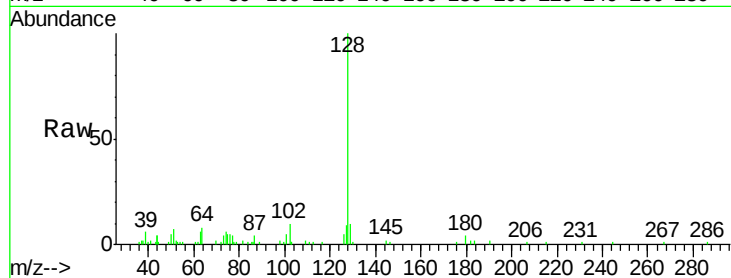
#79
Naphthalene
Concen: 0.225 ppbv m
RT: 22.23 min Scan# 6048
Delta R.T. 0.06 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
128	100		
127	9.3	10.4	15.6#
129	9.6	9.0	13.6

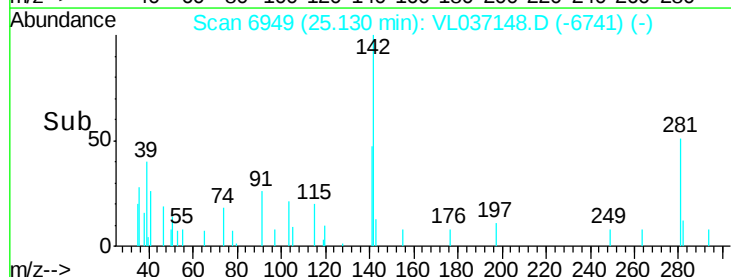
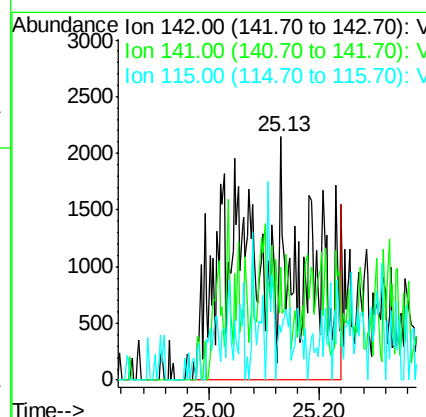
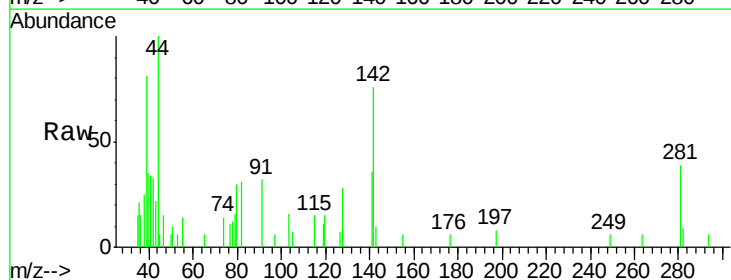
Manual Integrations
APPROVED

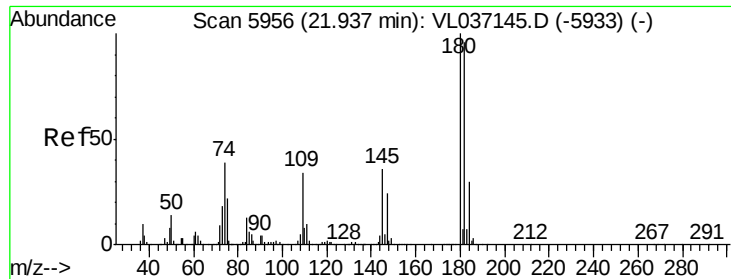
MMDadoda
6/15/2021 6:30:22 PM



#80
Naphthalene, 2-methyl-
Concen: 0.171 ppbv m
RT: 25.13 min Scan# 6949
Delta R.T. 0.17 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Tgt Ion	Ratio	Lower	Upper
142	100		
141	19.5	69.3	103.9#
115	10.1	29.1	43.7#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.287 ppbv m
 RT: 21.96 min Scan# 5962
 Delta R.T. 0.05 min
 Lab File: VL037148.D
 Acq: 14 Jun 2021 14:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.1	81.7	122.5
184	31.8	24.9	37.3

Manual Integrations
 APPROVED

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