

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061421\
 Data File : VL037147.D
 Acq On : 14 Jun 2021 13:38
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 6/15/2021 5:17:38 PM

Quant Time: Jun 14 16:35:27 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	1601866	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4887264	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	4516936	10.00	ppbv	0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	3282798	9.67	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	291286	1.072	ppbv	94
3) Chlorodifluoromethane	2.99	51	318297	1.085	ppbv	97
4) Chloromethane	3.15	50	106769	1.069	ppbv	98
5) Vinyl Chloride	3.26	62	106592	0.977	ppbv	99
6) Bromomethane	3.48	94	62601	1.088	ppbv	92
7) Chloroethane	3.57	64	38959m	1.099	ppbv	
8) Dichlorotetrafluoroethane	3.19	85	292251	1.145	ppbv	94
9) Propene	3.01	41	104038	0.990	ppbv	99
10) Heptane	8.14	43	239099	0.913	ppbv	98
11) Trichlorofluoromethane	3.96	101	295205	1.174	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	210486	1.175	ppbv	97
13) Ethanol	3.63	45	15433m	1.101	ppbv	
14) Bromoethene	3.75	108	86924m	1.101	ppbv	
15) Acetone	3.87	43	219244m	1.336	ppbv	
16) 1,3-Butadiene	3.33	39	104469m	1.025	ppbv	
17) tert-Butyl alcohol	4.32	59	147232	0.980	ppbv #	94
18) 1,1-Dichloroethene	4.30	96	88720	1.071	ppbv	96
19) Isopropyl Alcohol	4.00	45	103305m	1.171	ppbv	
20) Methylene Chloride	4.35	84	89252m	1.015	ppbv	
21) Allyl Chloride	4.42	41	121135	0.979	ppbv	94
22) trans-1,2-Dichloroethene	4.90	96	89978m	1.133	ppbv	
23) Vinyl Acetate	5.09	43	239886	0.921	ppbv	98
24) 1,1-Dichloroethane	5.02	63	218708m	1.167	ppbv	
25) Ethyl Acetate	5.70	43	385407m	0.978	ppbv	
26) Hexane	5.70	57	197206	0.979	ppbv	96
27) Carbon Disulfide	4.56	76	173539	0.855	ppbv #	97
28) Methyl tert-Butyl Ether	5.05	73	244301m	1.012	ppbv	
29) Chloroform	5.76	83	313569	1.102	ppbv	95
30) Cyclohexane	7.14	84	162100	0.947	ppbv	90
31) cis-1,2-Dichloroethene	5.56	61	184996m	1.024	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	301136	0.986	ppbv	97
34) 2-Butanone	5.27	43	172131	0.967	ppbv #	87
35) Carbon Tetrachloride	7.03	117	313944	0.967	ppbv	98
36) Benzene	6.90	78	385634	0.916	ppbv	98
37) 1,2-Dichloroethane	6.31	62	223466m	1.071	ppbv	
38) Trichloroethene	7.84	130	176157m	0.978	ppbv	
39) 1,2-Dichloropropane	7.62	63	143674	0.886	ppbv #	86
40) 1,4-Dioxane	7.88	88	41873m	1.094	ppbv	
41) Tetrahydrofuran	6.08	42	85872m	0.847	ppbv	
42) Bromodichloromethane	7.80	83	301278	0.954	ppbv	94
43) Methyl Methacrylate	8.03	69	121470m	0.837	ppbv	

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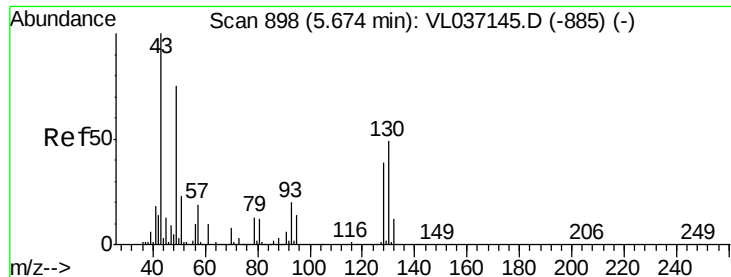
Manual Integrations
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Quant Time: Jun 14 16:35:27 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	660309	0.914	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	97671m	0.881	ppbv	
46) cis-1,3-Dichloropropene	8.72	75	139811m	0.938	ppbv	
47) 1,1,2-Trichloroethane	9.48	97	163108	0.961	ppbv	93
48) Dibromochloromethane	10.32	129	243956	0.888	ppbv	98
49) Bromoform	13.05	173	181623m	0.800	ppbv	
50) 4-Methyl-2-Pentanone	8.78	43	266725m	0.908	ppbv	
51) 2-Hexanone	10.18	43	121602m	0.783	ppbv	
52) Tetrachloroethene	11.24	164	167115	0.998	ppbv	96
53) Toluene	9.82	91	451761	0.902	ppbv	98
54) 1,2-Dibromoethane	10.62	107	235104m	0.974	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.14	131	196200	1.032	ppbv #	1
57) Chlorobenzene	12.16	112	362577	1.035	ppbv	92
58) Ethyl Benzene	12.72	91	626878m	0.983	ppbv	
59) m/p-Xylene	13.01	91	1067567m	2.026	ppbv	
60) o-Xylene	13.70	91	505948	1.007	ppbv	97
61) Styrene	13.54	104	250919	0.886	ppbv	97
62) Isopropylbenzene	14.68	105	741870	1.027	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.69	83	338401	0.902	ppbv	97
64) n-propylbenzene	15.57	120	178689	0.959	ppbv	77
65) tert-Butylbenzene	16.75	119	674401	1.035	ppbv	97
66) Benzyl Chloride	17.00	91	22436m	0.620	ppbv	
67) sec-Butylbenzene	17.31	105	870035	0.979	ppbv	100
69) p-Isopropyltoluene	17.67	119	707479	0.925	ppbv	98
70) n-Butylbenzene	18.56	91	631076	0.869	ppbv	99
71) 2-Chlorotoluene	15.47	91	513488	0.984	ppbv	100
72) 4-Ethyltoluene	15.86	105	598161m	1.003	ppbv	
73) 1,3,5-Trimethylbenzene	16.01	105	561694m	1.003	ppbv	
74) 1,2,4-Trimethylbenzene	16.78	105	571383	0.987	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	343490m	0.971	ppbv	
76) 1,4-Dichlorobenzene	17.15	146	351118m	0.982	ppbv	
77) 1,2-Dichlorobenzene	17.83	146	337237m	0.952	ppbv	
78) Hexachloro-1,3-Butadiene	23.39	225	253597m	0.890	ppbv	
79) Naphthalene	22.23	128	261837m	0.576	ppbv	
80) Naphthalene, 2-methyl-	25.01	142	34904m	0.353	ppbv	
81) 1,2,4-Trichlorobenzene	21.94	180	188762m	0.681	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

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MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 1601866

Ion Ratio Lower Upper

49 100

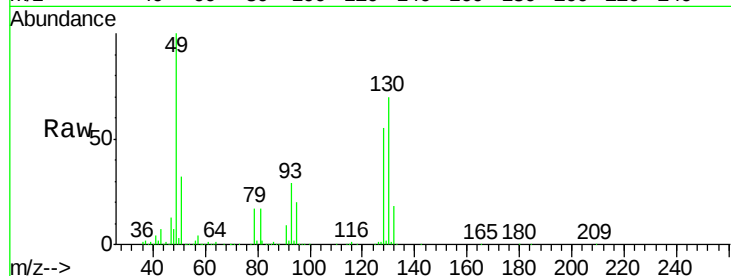
128 59.0 26.9 80.7

130 75.4 33.8 101.4

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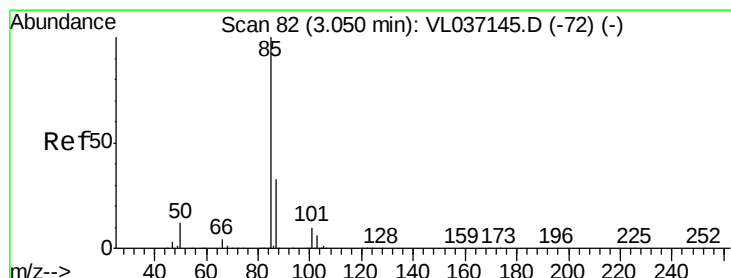
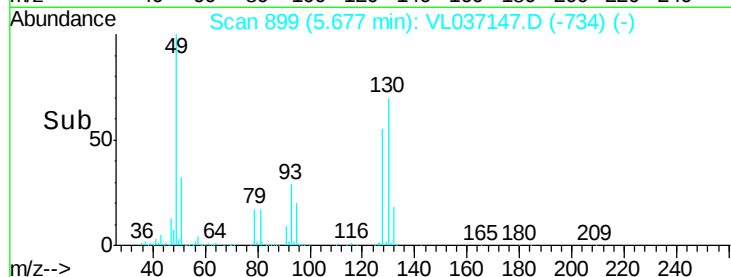
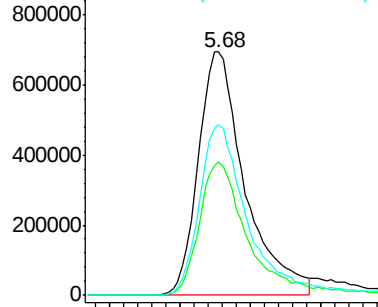
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 1.072 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.02 min

Lab File: VL037147.D

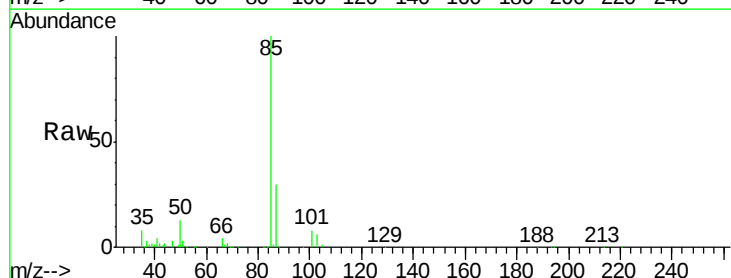
Acq: 14 Jun 2021 13:38

Tgt Ion: 85 Resp: 291286

Ion Ratio Lower Upper

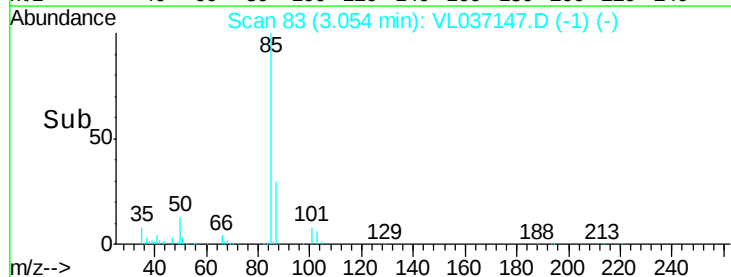
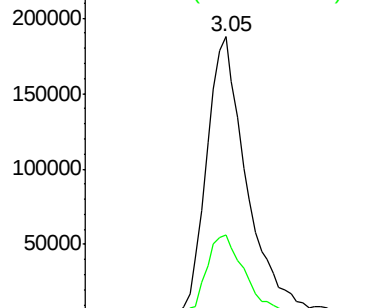
85 100

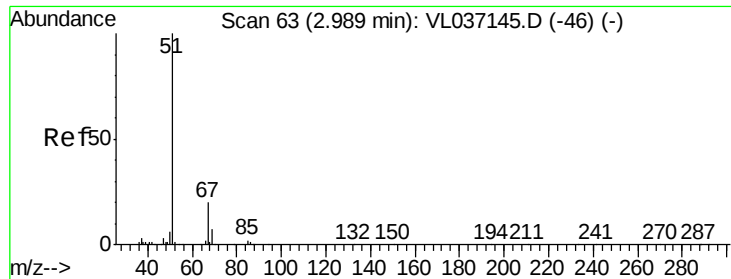
87 30.0 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.085 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.02 min

Lab File: VL037147.D

Acq: 14 Jun 2021 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 51 Resp: 318297

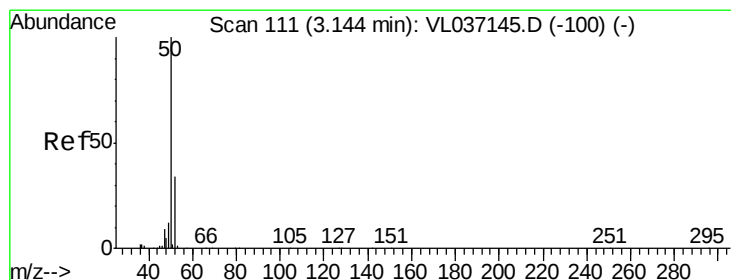
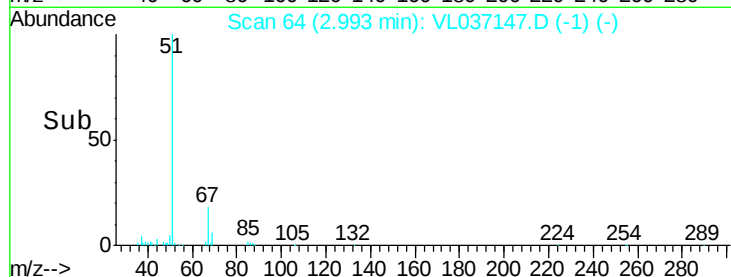
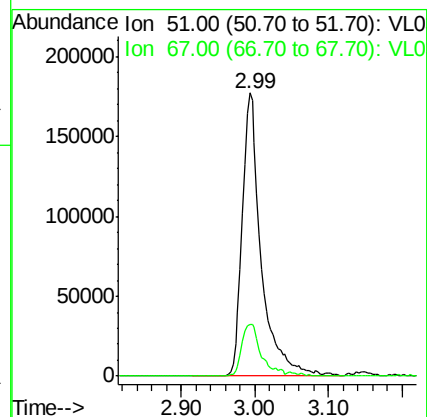
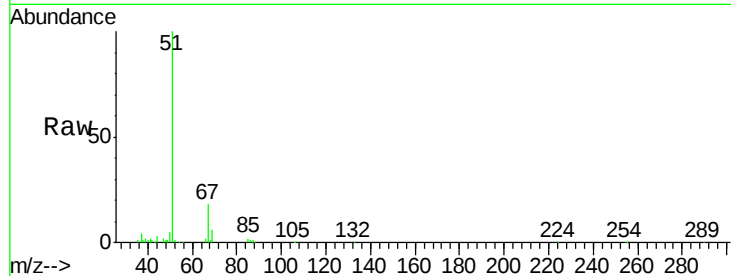
Ion Ratio Lower Upper

51 100

67 19.7 14.6 21.8

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#4

Chloromethane

Concen: 1.069 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.02 min

Lab File: VL037147.D

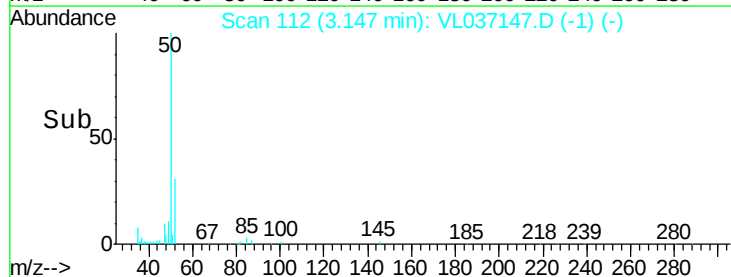
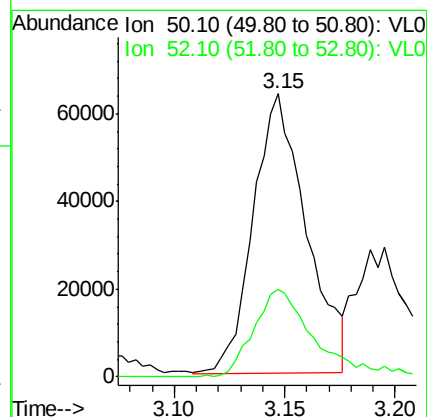
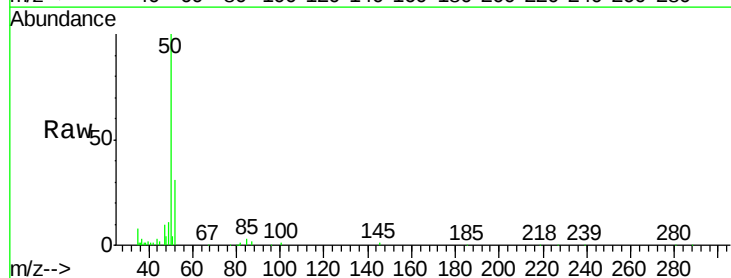
Acq: 14 Jun 2021 13:38

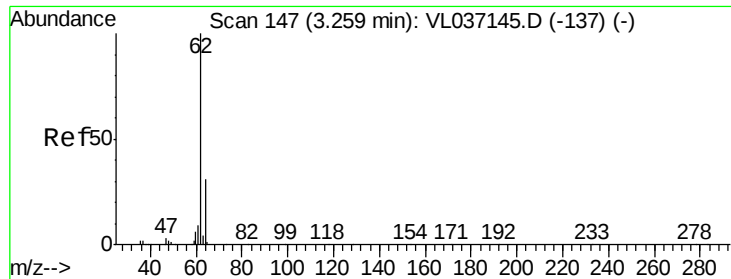
Tgt Ion: 50 Resp: 106769

Ion Ratio Lower Upper

50 100

52 31.4 26.1 39.1





#5

Vinyl Chloride

Concen: 0.977 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.02 min

Lab File: VL037147.D

Acq: 14 Jun 2021 13:38

Instrument :

MSVOA_L

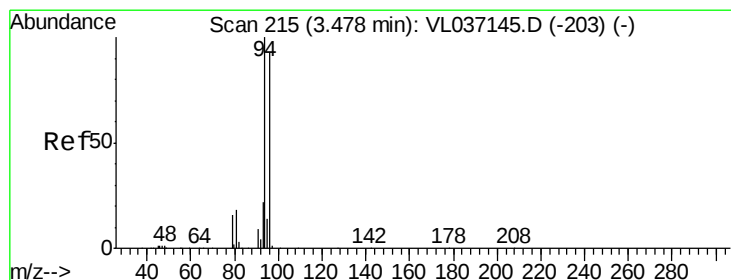
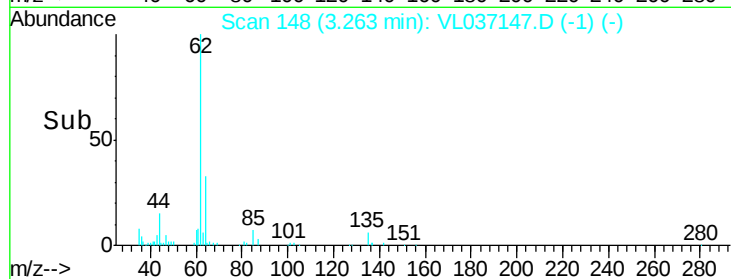
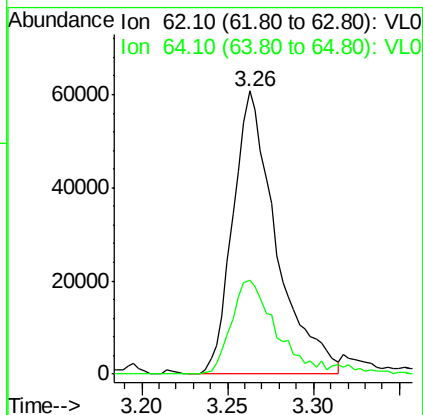
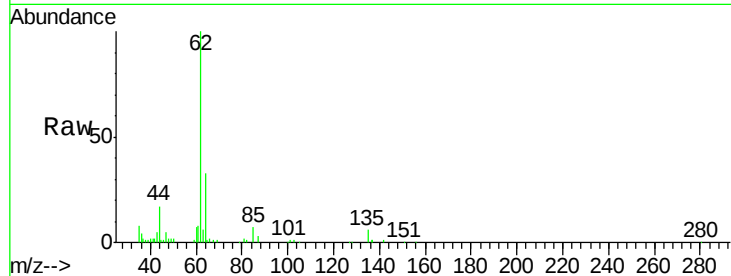
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
64	33.1	25.9	38.9

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#6

Bromomethane

Concen: 1.088 ppbv

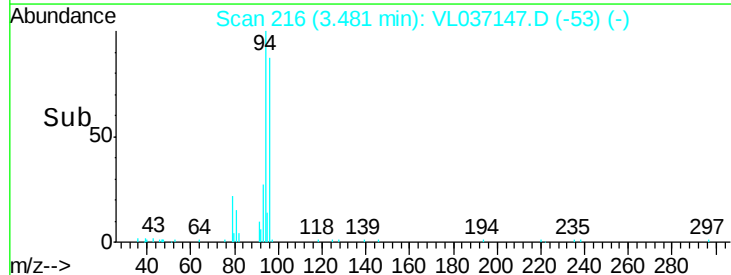
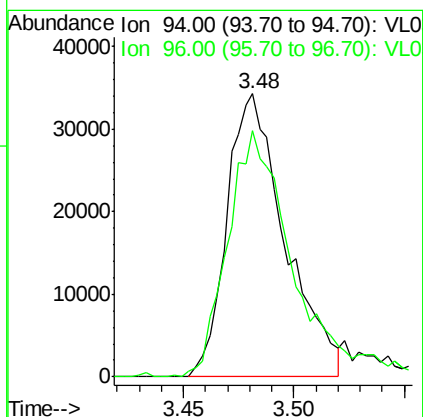
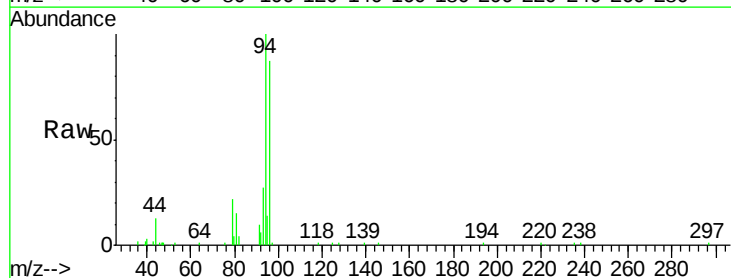
RT: 3.48 min Scan# 216

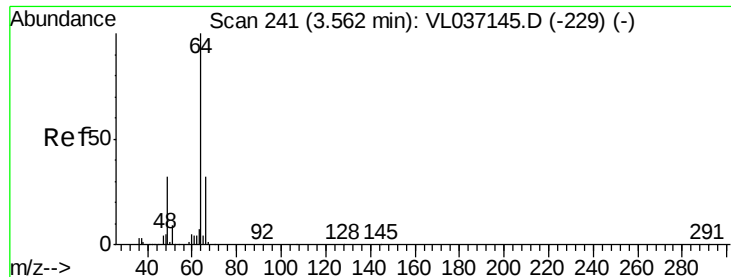
Delta R.T. 0.02 min

Lab File: VL037147.D

Acq: 14 Jun 2021 13:38

Tgt Ion	Ratio	Lower	Upper
94	100		
96	85.1	74.0	111.0





#7

Chloroethane

Concen: 1.099 ppbv m

RT: 3.57 min Scan# 243

Delta R.T. 0.03 min

Lab File: VL037147.D

Acq: 14 Jun 2021 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 38959

Ion Ratio Lower Upper

64 100

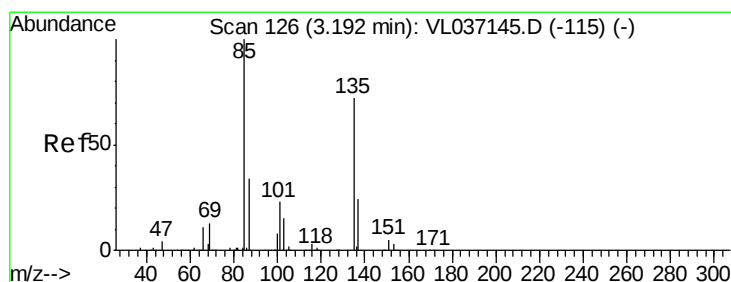
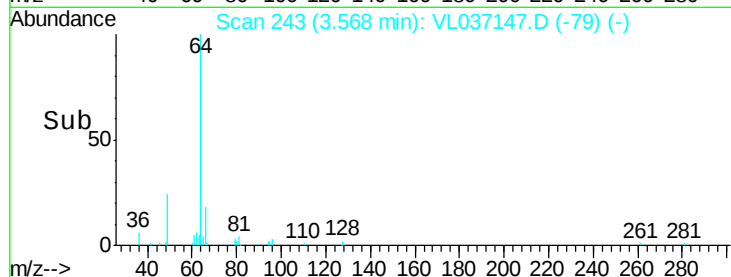
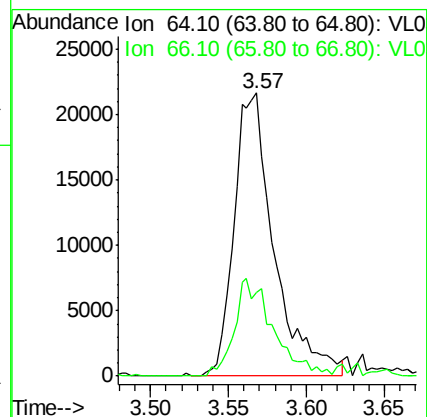
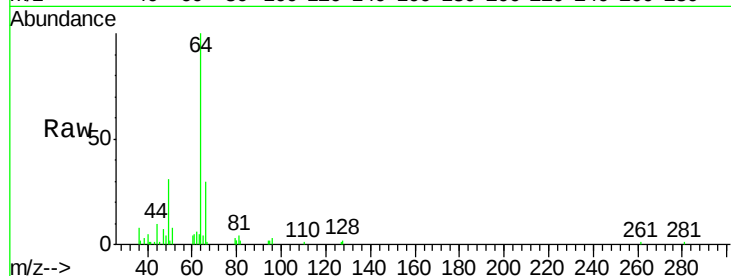
66 29.6 25.4 38.2

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 1.145 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.02 min

Lab File: VL037147.D

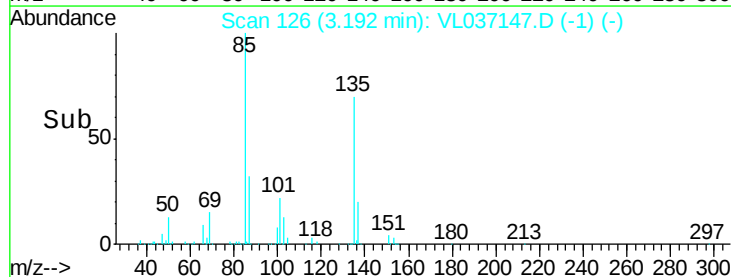
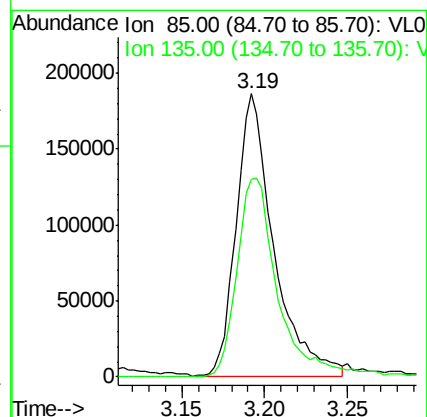
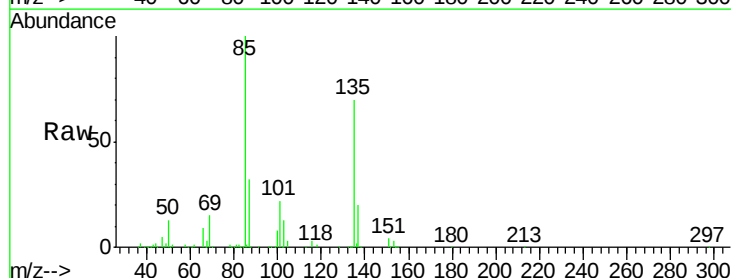
Acq: 14 Jun 2021 13:38

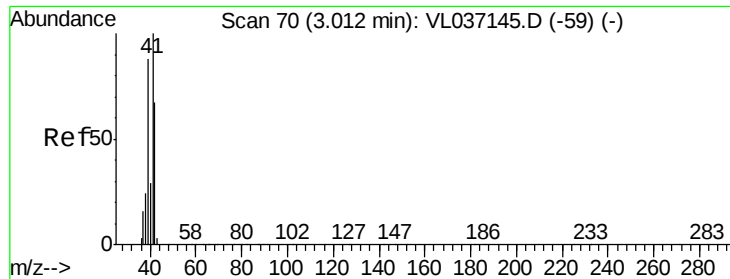
Tgt Ion: 85 Resp: 292251

Ion Ratio Lower Upper

85 100

135 77.4 57.7 86.5





#9

Propene

Concen: 0.990 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.02 min

Lab File: VL037147.D

Acq: 14 Jun 2021 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 104038

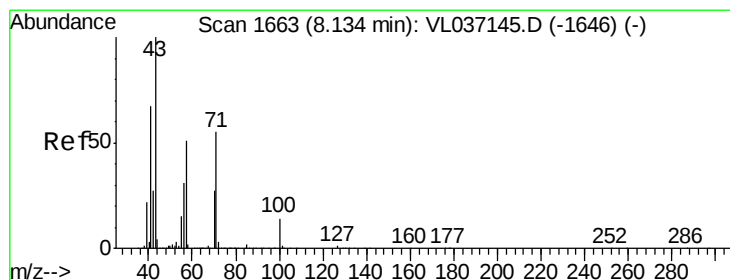
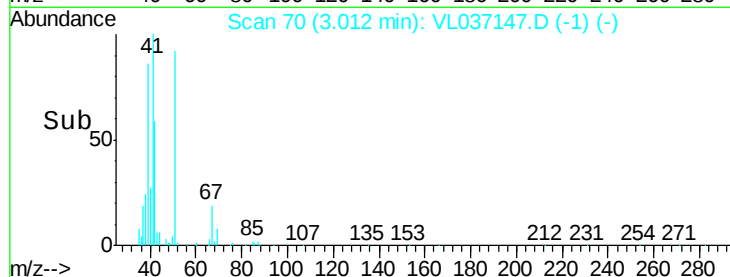
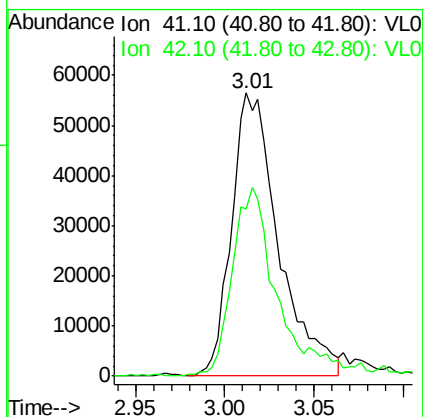
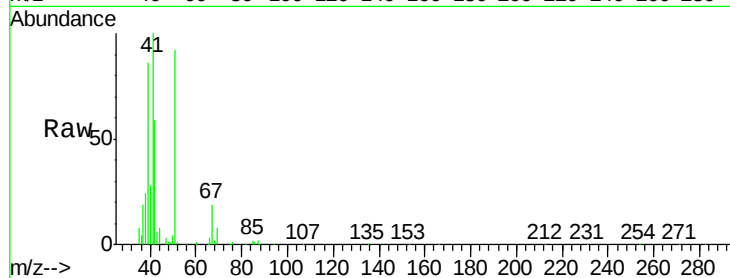
Ion Ratio Lower Upper

41 100

42 66.2 53.9 80.9

Manual Integrations
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#10

Heptane

Concen: 0.913 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.04 min

Lab File: VL037147.D

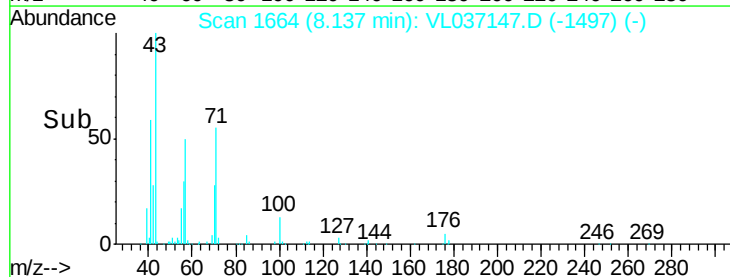
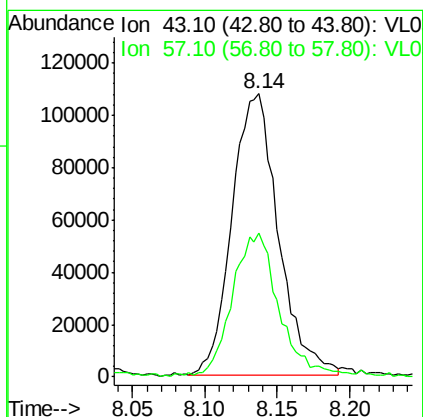
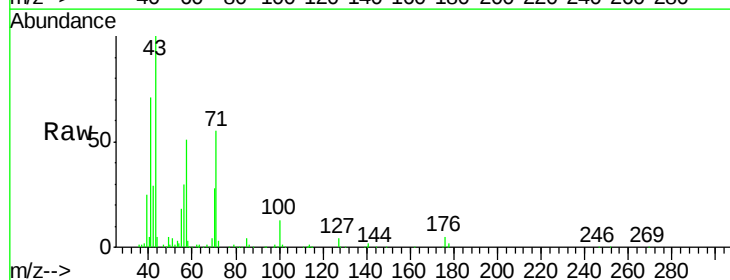
Acq: 14 Jun 2021 13:38

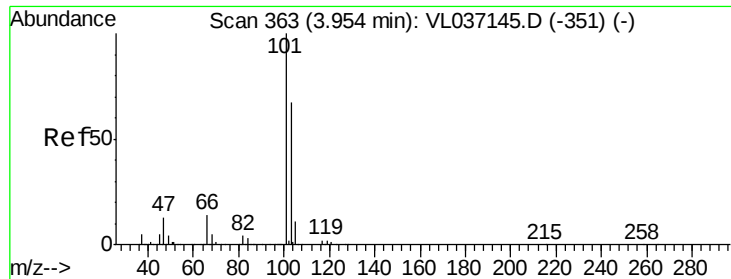
Tgt Ion: 43 Resp: 239099

Ion Ratio Lower Upper

43 100

57 53.0 41.0 61.6





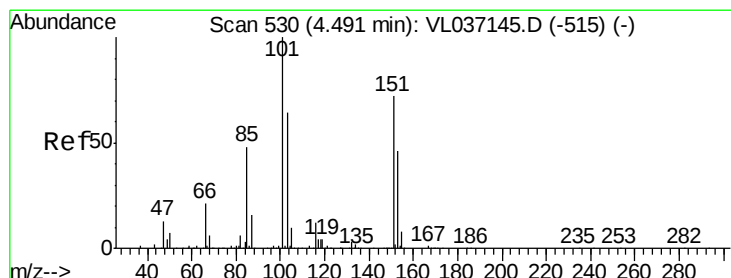
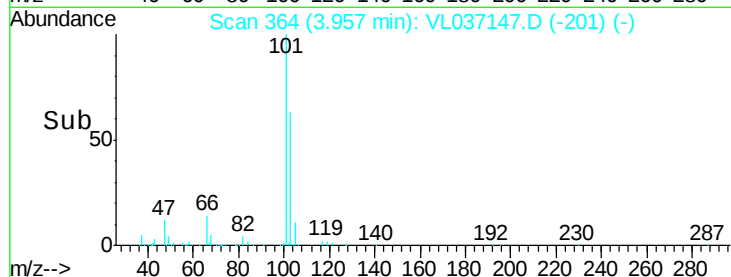
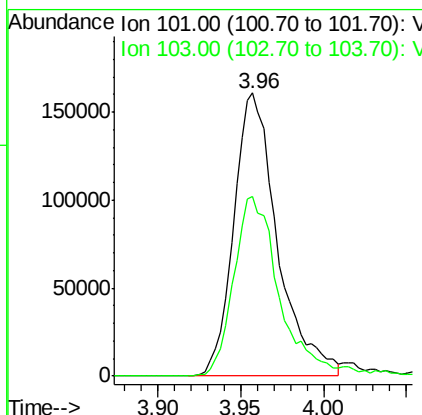
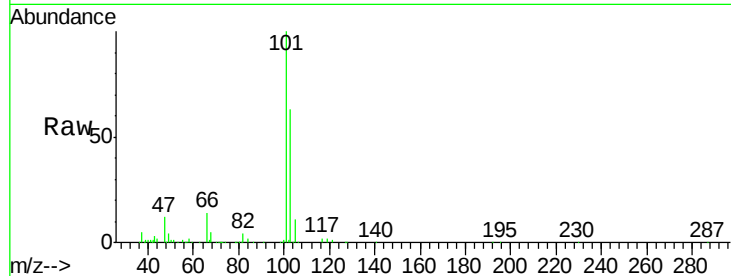
#11
 Trichlorofluoromethane
 Concen: 1.174 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.02 min
 Lab File: VL037147.D
 Acq: 14 Jun 2021 13:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.6	79.0

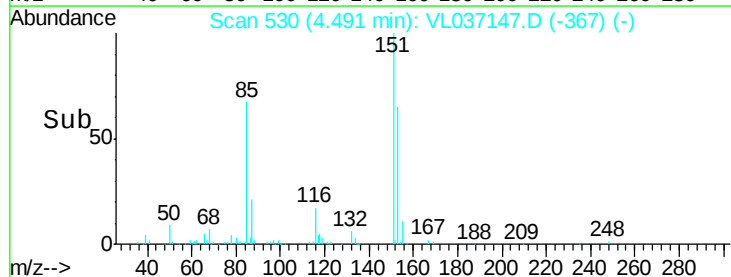
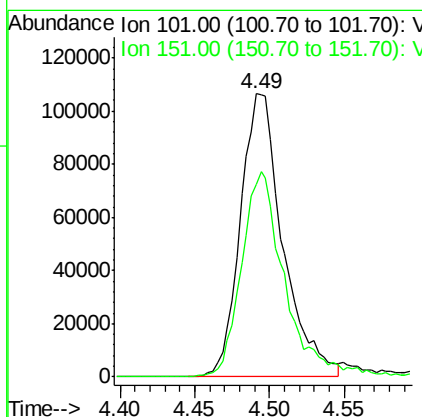
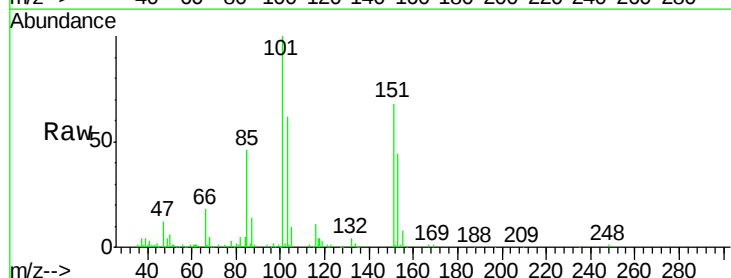
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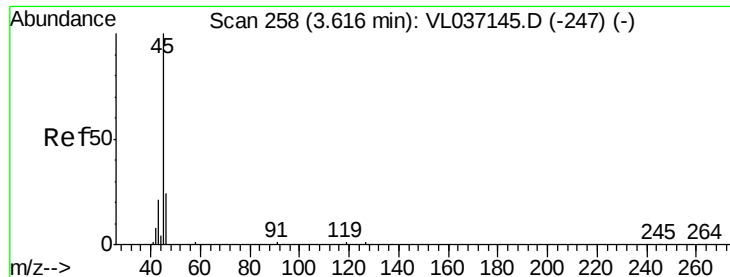
MMDadoda
 6/15/2021 5:17:38 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.175 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. 0.02 min
 Lab File: VL037147.D
 Acq: 14 Jun 2021 13:38

Tgt Ion	Ratio	Lower	Upper
101	100		
151	74.8	57.7	86.5





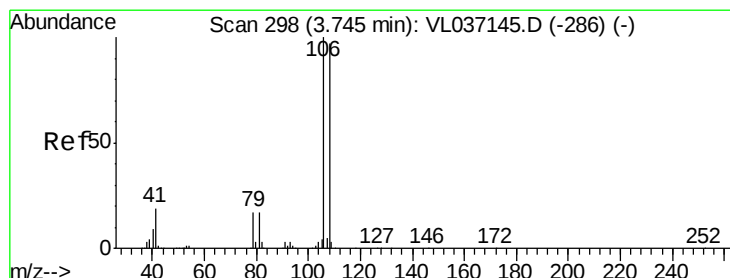
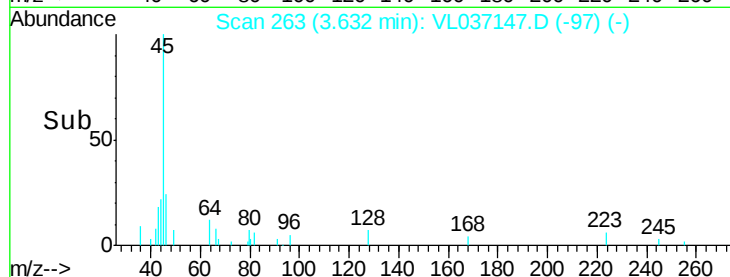
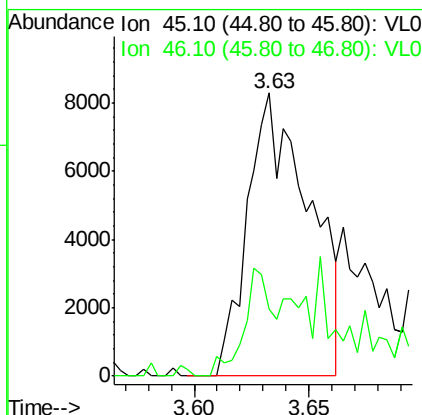
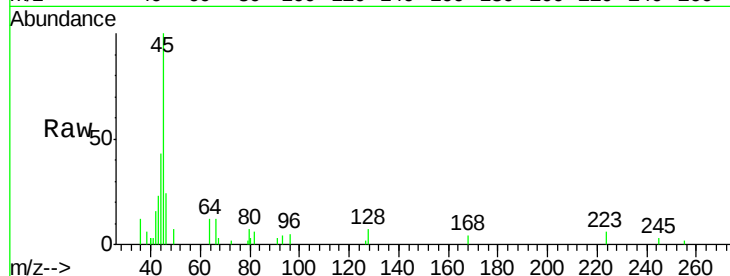
#13
Ethanol
Concen: 1.101 ppbv m
RT: 3.63 min Scan# 263
Delta R.T. 0.03 min
Lab File: VL037147.D
Acq: 14 Jun 2021 13:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

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

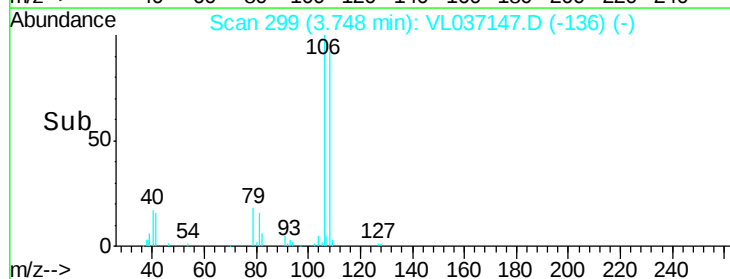
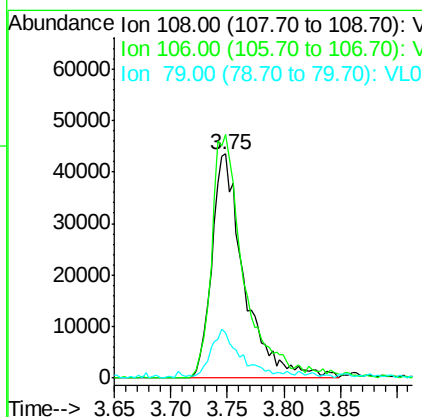
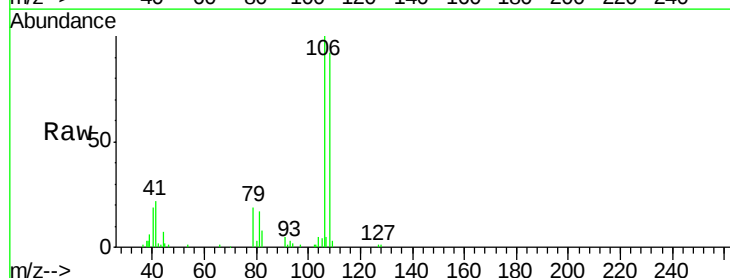
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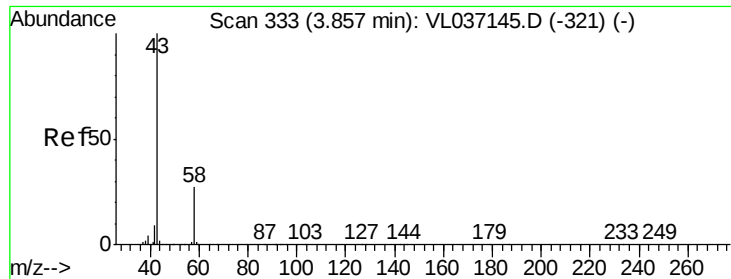
MMDadoda
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#14
Bromoethene
Concen: 1.101 ppbv m
RT: 3.75 min Scan# 299
Delta R.T. 0.02 min
Lab File: VL037147.D
Acq: 14 Jun 2021 13:38

Tgt Ion	Ratio	Lower	Upper
108	100		
106	110.6	86.5	129.7
79	21.4	15.0	22.4





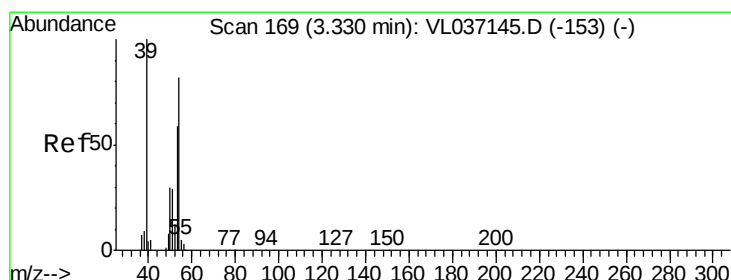
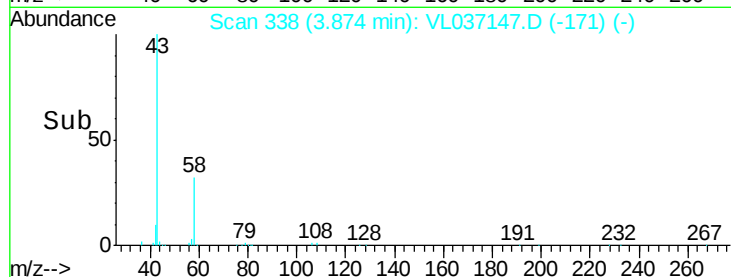
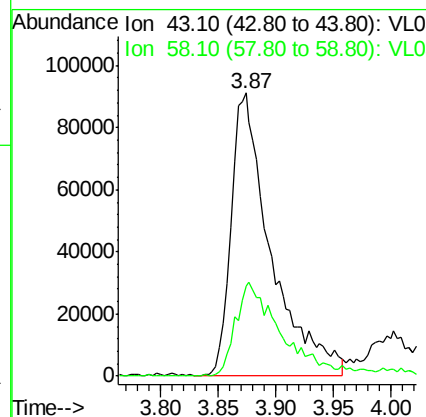
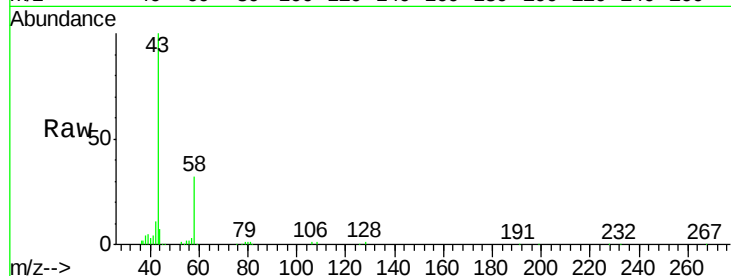
#15
Acetone
Concen: 1.336 ppbv m
RT: 3.87 min Scan# 338
Delta R.T. 0.04 min
Lab File: VL037147.D
Acq: 14 Jun 2021 13:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 219244
Ion Ratio Lower Upper
43 100
58 38.8 24.0 36.0#

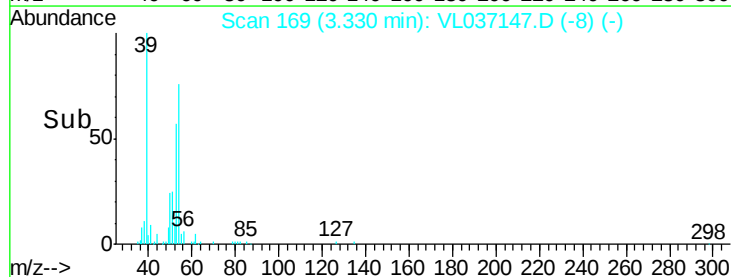
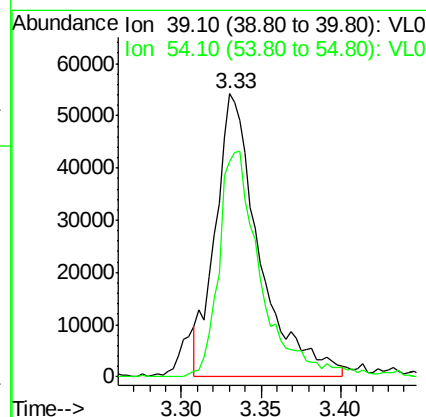
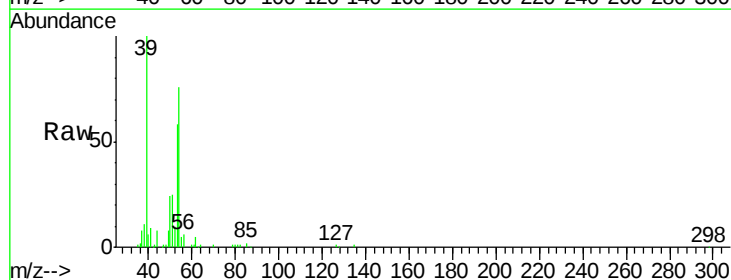
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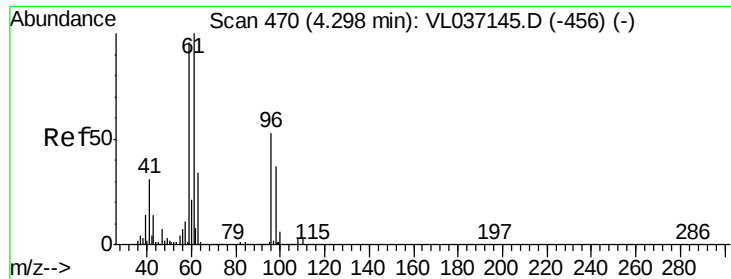
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#16
1,3-Butadiene
Concen: 1.025 ppbv m
RT: 3.33 min Scan# 169
Delta R.T. 0.02 min
Lab File: VL037147.D
Acq: 14 Jun 2021 13:38

Tgt Ion: 39 Resp: 104469
Ion Ratio Lower Upper
39 100
54 76.7 63.2 94.8





#17

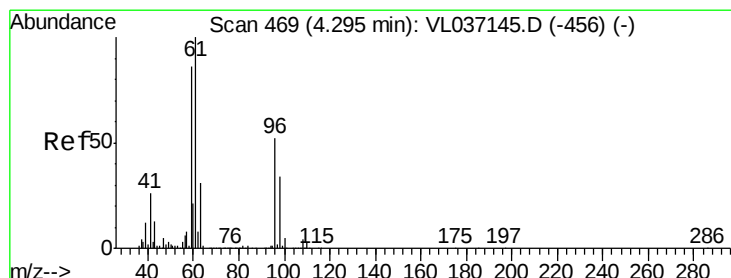
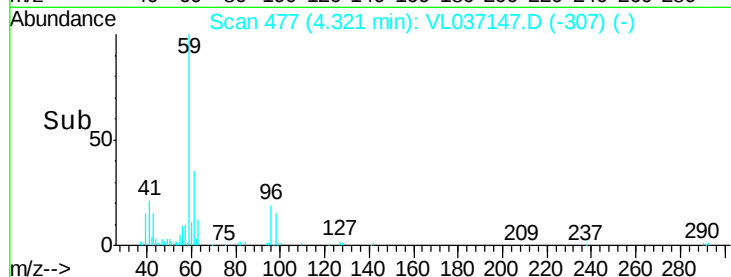
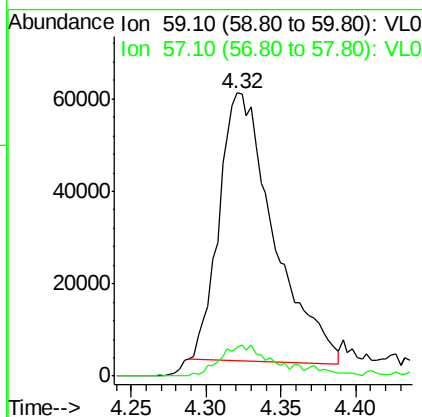
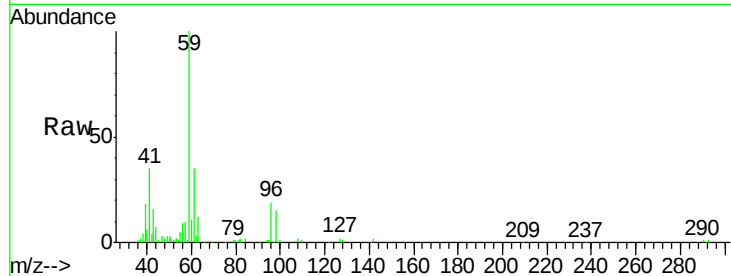
tert-Butyl alcohol
Concen: 0.980 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.05 min
Lab File: VL037147.D
Acq: 14 Jun 2021 13:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 59 Resp: 147232
Ion Ratio Lower Upper
59 100
57 12.6 8.3 12.5#

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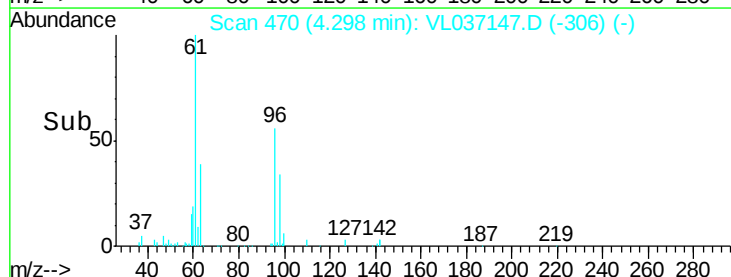
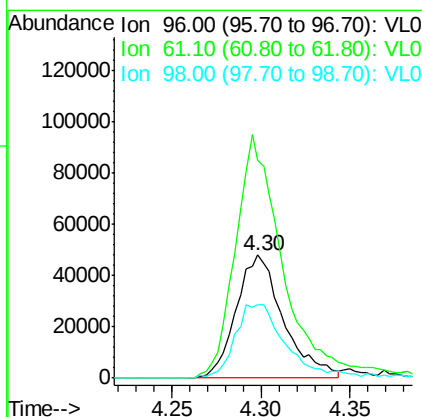
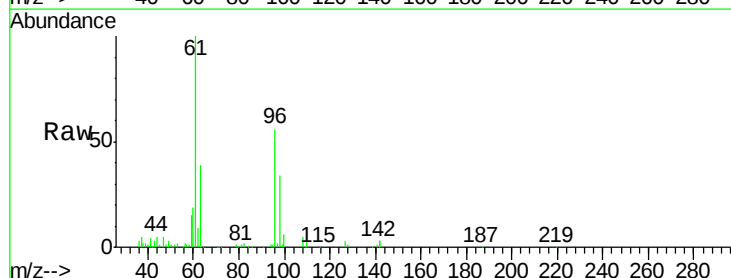
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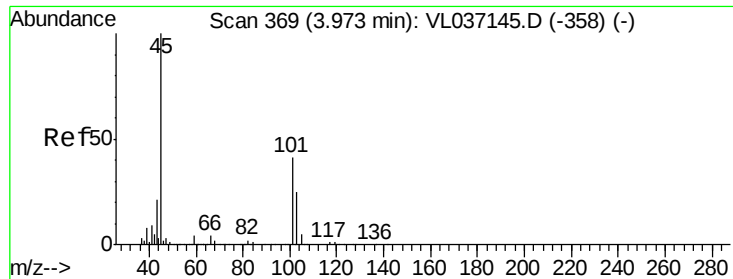


#18

1,1-Dichloroethene
Concen: 1.071 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.03 min
Lab File: VL037147.D
Acq: 14 Jun 2021 13:38

Tgt Ion: 96 Resp: 88720
Ion Ratio Lower Upper
96 100
61 177.2 148.2 222.4
98 59.8 47.8 71.6





#19

Isopropyl Alcohol

Concen: 1.171 ppbv m

RT: 4.00 min Scan# 377

Delta R.T. 0.04 min

Lab File: VL037147.D

Acq: 14 Jun 2021 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 103305

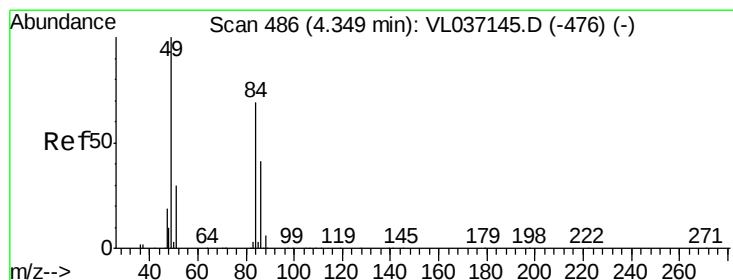
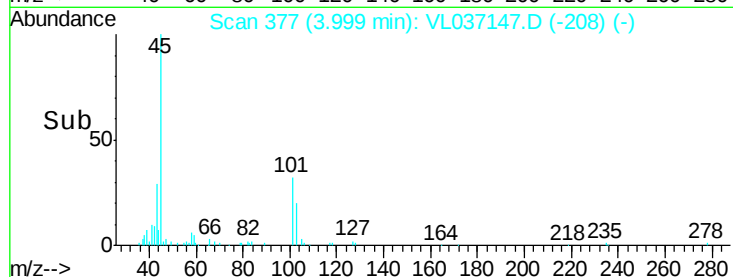
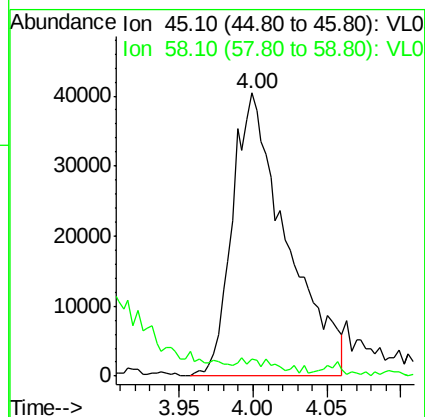
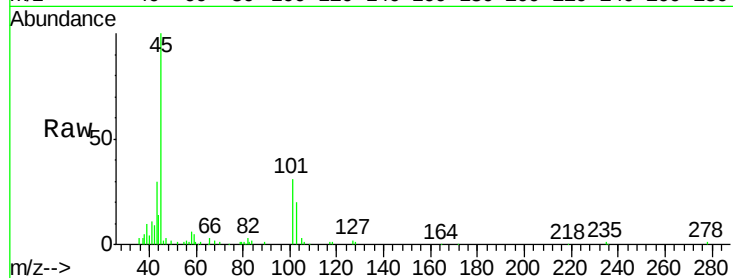
Ion Ratio Lower Upper

45 100

58 0.0 37.2 55.8#

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#20

Methylene Chloride

Concen: 1.015 ppbv m

RT: 4.35 min Scan# 487

Delta R.T. 0.03 min

Lab File: VL037147.D

Acq: 14 Jun 2021 13:38

Tgt Ion: 84 Resp: 89252

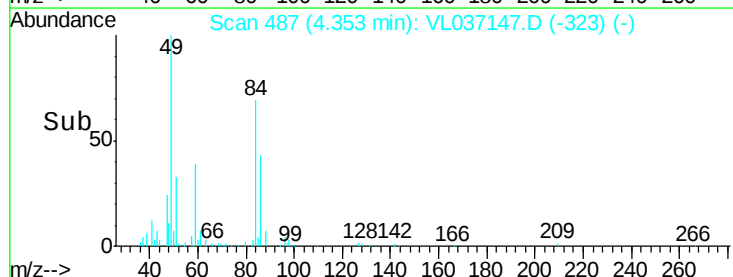
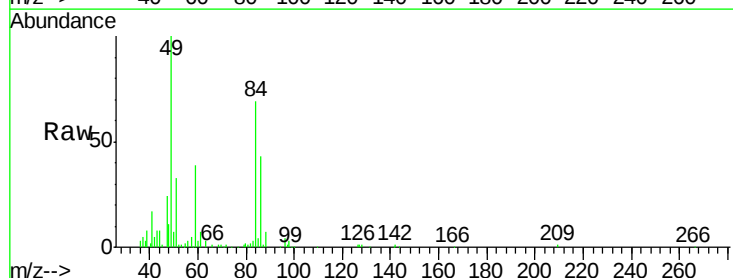
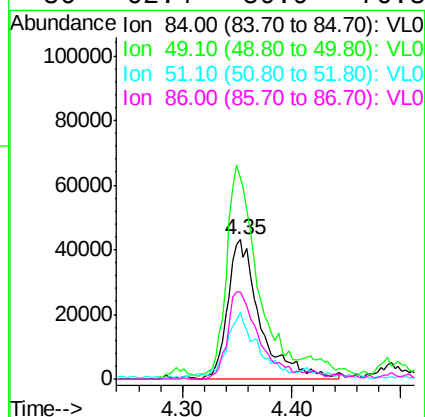
Ion Ratio Lower Upper

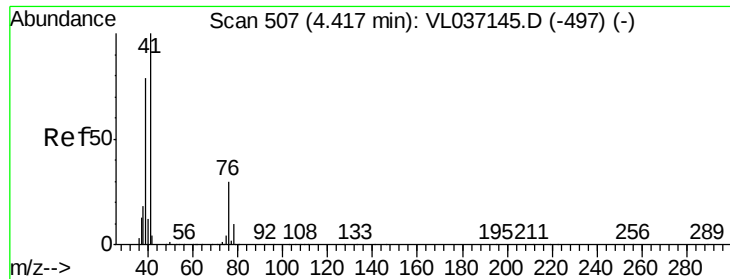
84 100

49 144.7 119.8 179.6

51 47.6 35.1 52.7

86 62.4 50.9 76.3





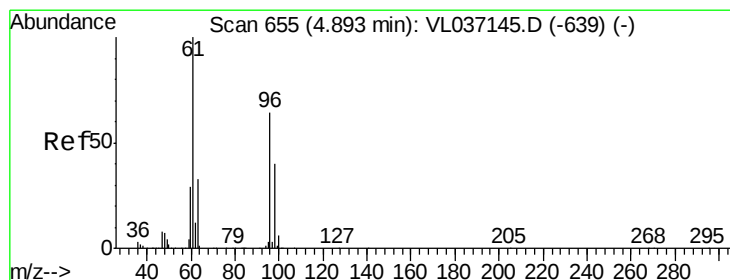
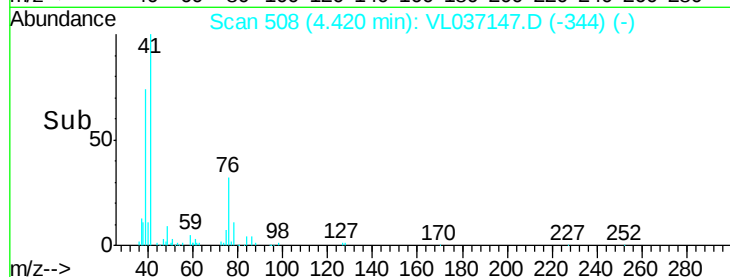
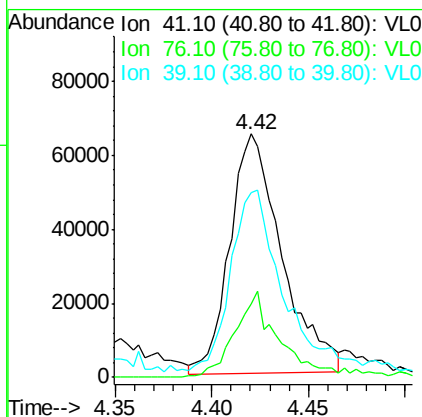
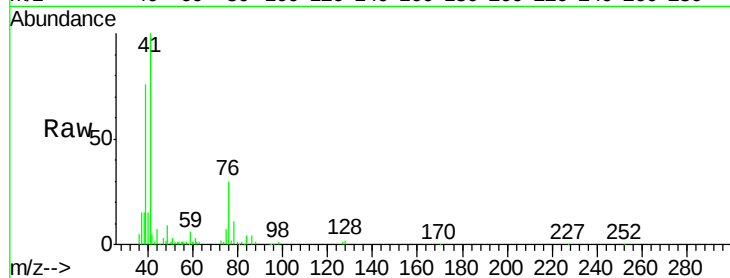
#21
Allvl Chloride
Concen: 0.979 ppbv
RT: 4.42 min Scan# 508
Delta R.T. 0.03 min
Lab File: VL037147.D
Acq: 14 Jun 2021 13:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
76	32.3	24.9	37.3
39	86.1	63.7	95.5

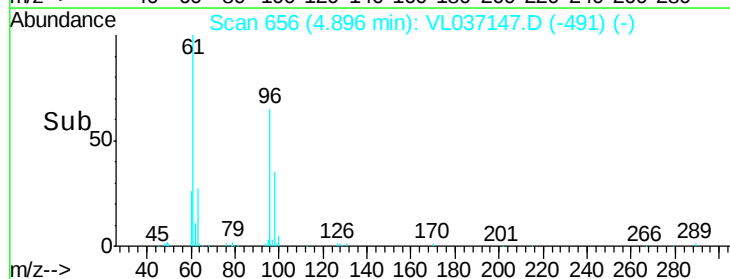
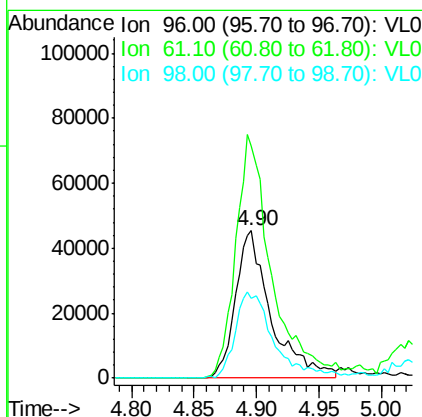
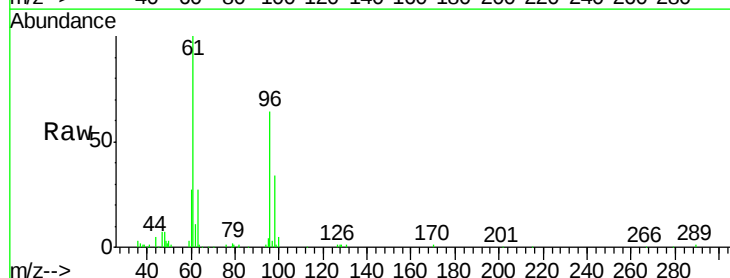
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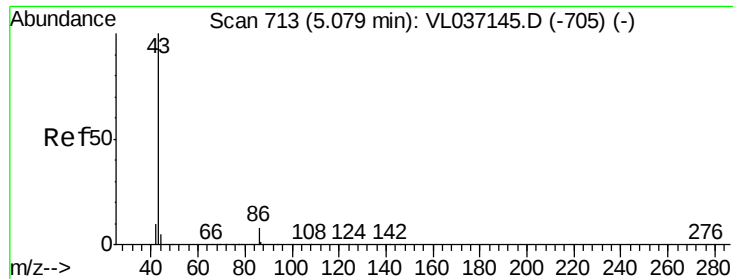
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#22
trans-1,2-Dichloroethene
Concen: 1.133 ppbv m
RT: 4.90 min Scan# 656
Delta R.T. 0.03 min
Lab File: VL037147.D
Acq: 14 Jun 2021 13:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.2	130.6	196.0
98	53.8	50.8	76.2





#23

Vinyl Acetate

Concen: 0.921 ppbv

RT: 5.09 min Scan# 717

Delta R.T. 0.04 min

Lab File: VL037147.D

Acq: 14 Jun 2021 13:38

Instrument :

MSVOA_L

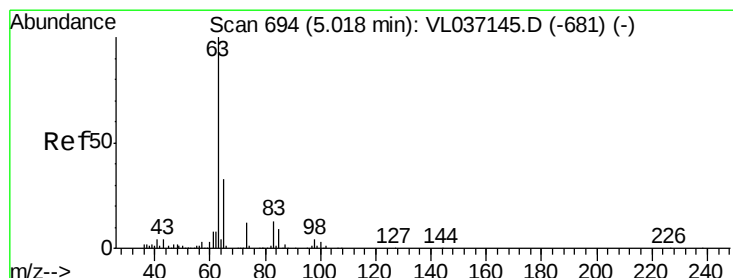
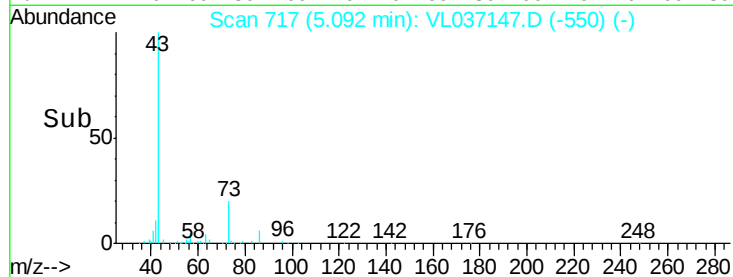
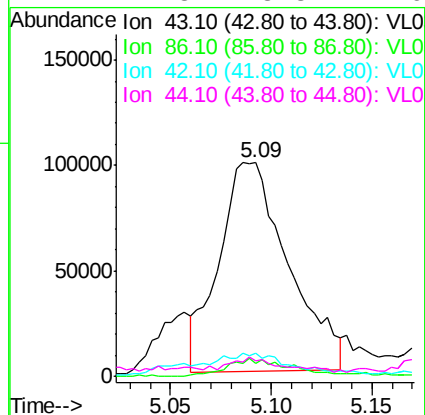
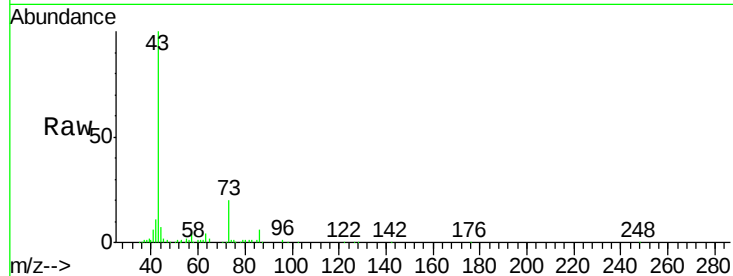
ClientSampleId :

VSTDIC001

Tot Ion	43	Resp	239886
Ion Ratio	Lower	Upper	
43	100		
86	6.4	5.8	8.8
42	10.0	7.4	11.2
44	4.8	3.3	4.9

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#24

1,1-Dichloroethane

Concen: 1.167 ppbv m

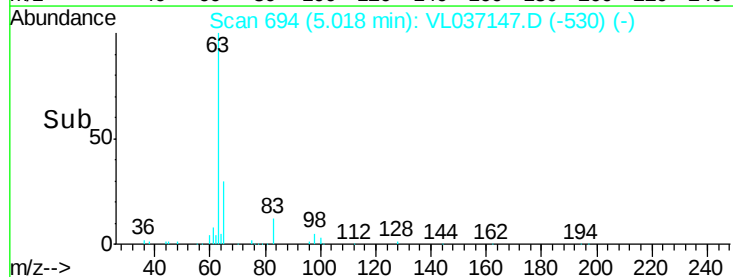
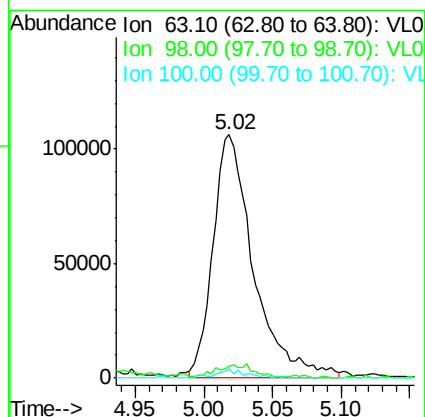
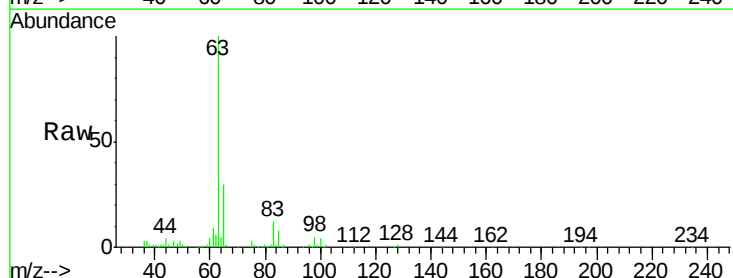
RT: 5.02 min Scan# 694

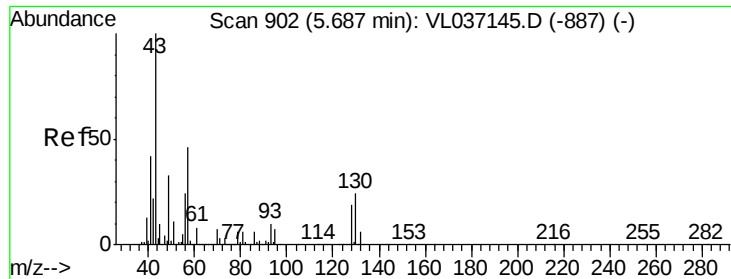
Delta R.T. 0.03 min

Lab File: VL037147.D

Acq: 14 Jun 2021 13:38

Tgt Ion	63	Resp	218708
Ion Ratio	Lower	Upper	
63	100		
98	4.8	2.3	6.9
100	3.6	1.4	4.0





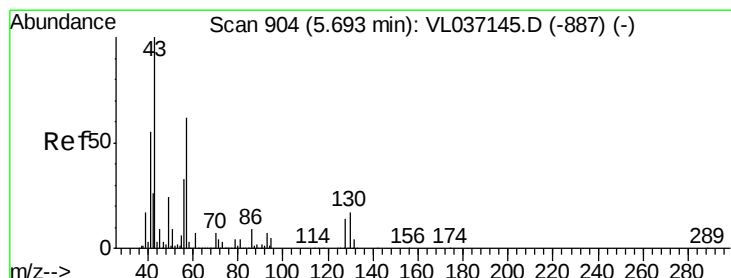
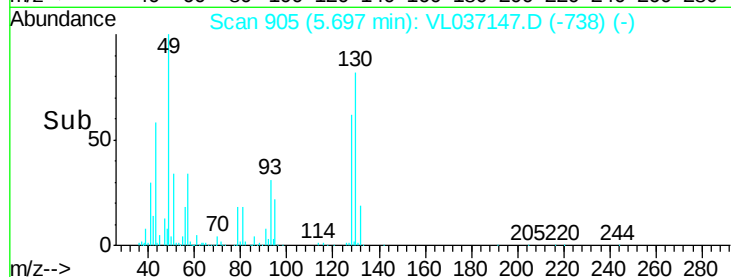
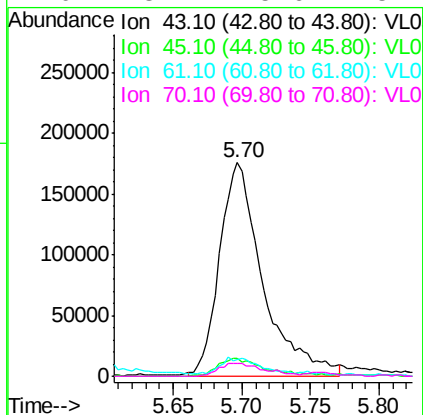
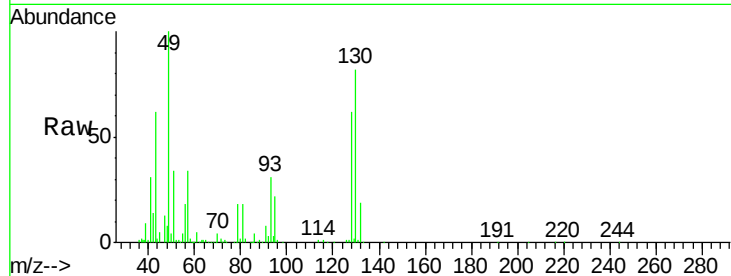
#25
Ethyl Acetate
Concen: 0.978 ppbv m
RT: 5.70 min Scan# 905
Delta R.T. 0.04 min
Lab File: VL037147.D
Acq: 14 Jun 2021 13:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	43	Resp	385407
Ion	Ratio	Lower	Upper
43	100		
45	10.3	7.8	11.8
61	10.1	7.8	11.8
70	8.2	5.6	8.4

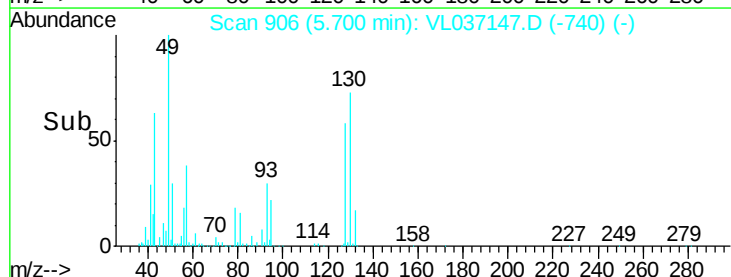
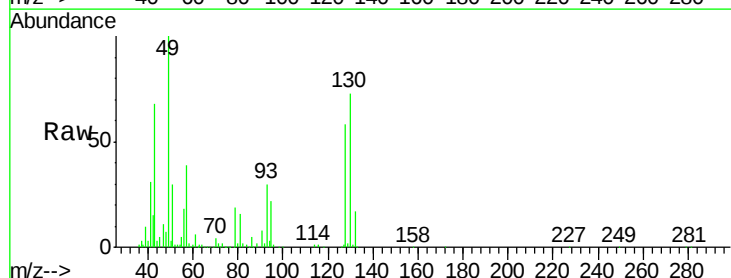
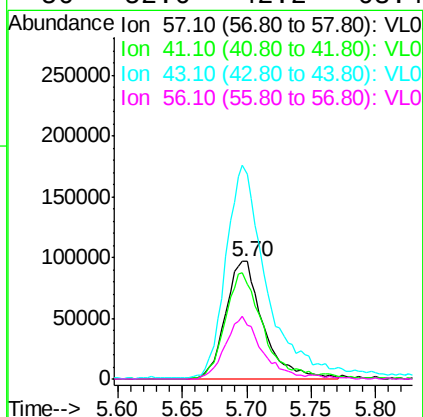
Manual Integrations
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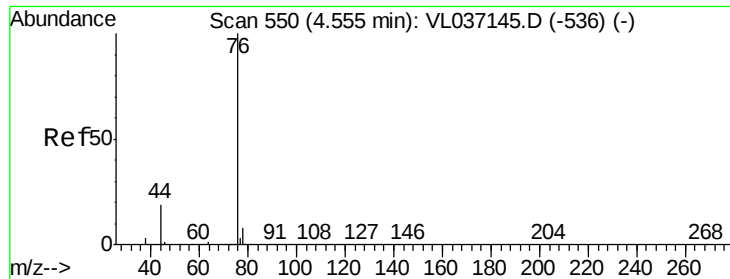
MMDadoda
6/15/2021 5:17:38 PM



#26
Hexane
Concen: 0.979 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.03 min
Lab File: VL037147.D
Acq: 14 Jun 2021 13:38

Tgt Ion	57	Resp	197206
Ion	Ratio	Lower	Upper
57	100		
41	91.2	70.5	105.7
43	198.9	165.8	248.8
56	52.6	42.2	63.4





#27

Carbon Disulfide

Concen: 0.855 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.03 min

Lab File: VL037147.D

Acq: 14 Jun 2021 13:38

Instrument :

MSVOA_L

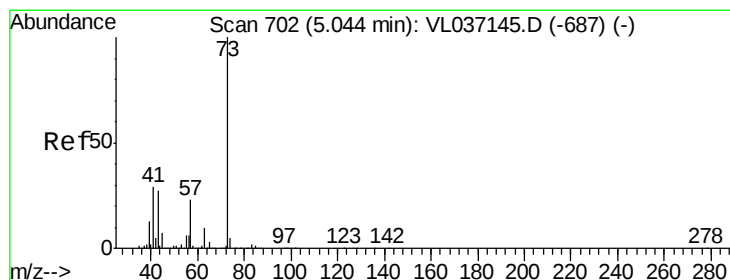
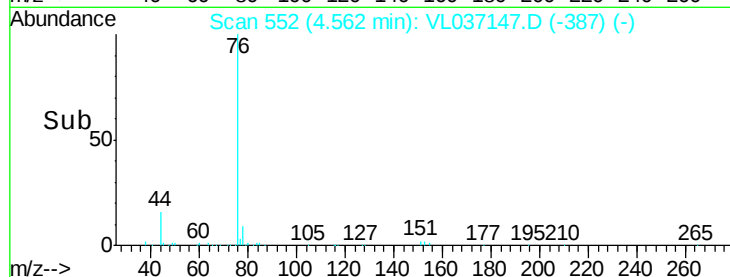
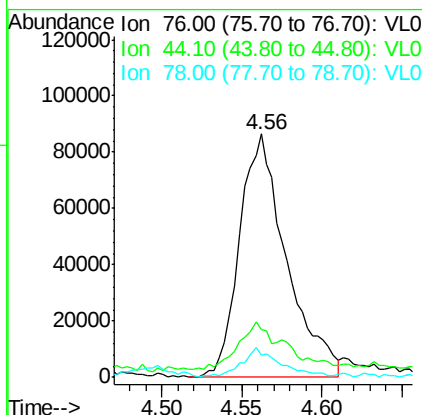
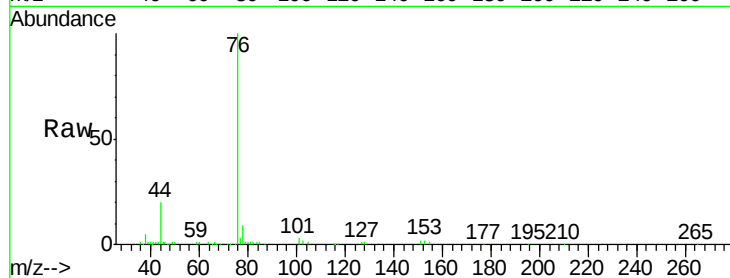
ClientSampleId :

VSTDIC001

Tot Ion:	76	Resp:	173539
Ion Ratio	Lower	Upper	
76	100		
44	20.1	15.5	23.3
78	12.1	7.8	11.6#

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 1.012 ppbv m

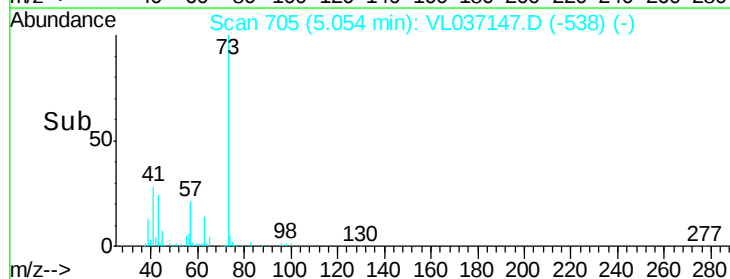
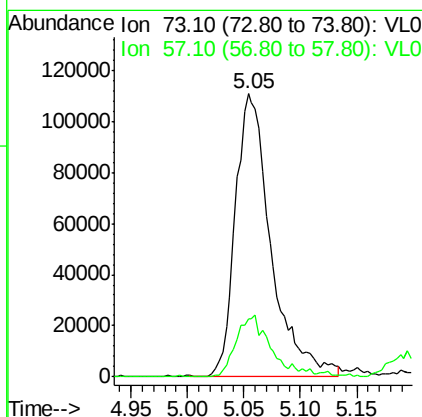
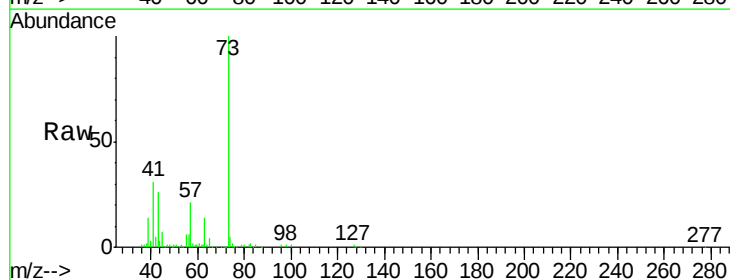
RT: 5.05 min Scan# 705

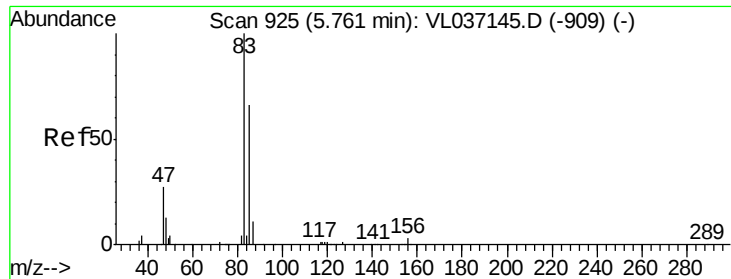
Delta R.T. 0.04 min

Lab File: VL037147.D

Acq: 14 Jun 2021 13:38

Tgt Ion:	73	Resp:	244301
Ion Ratio	Lower	Upper	
73	100		
57	22.0	18.3	27.5





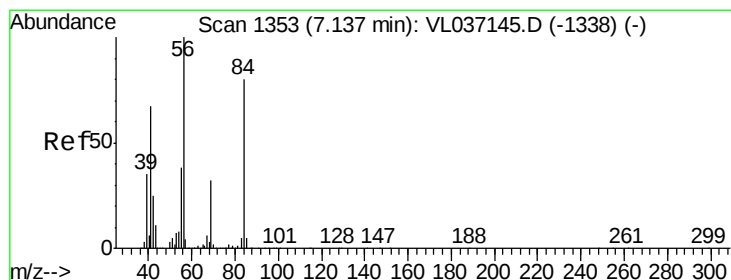
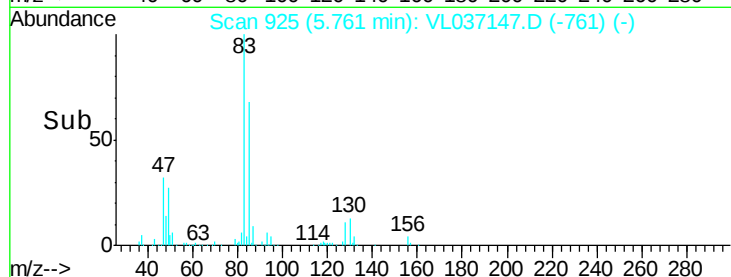
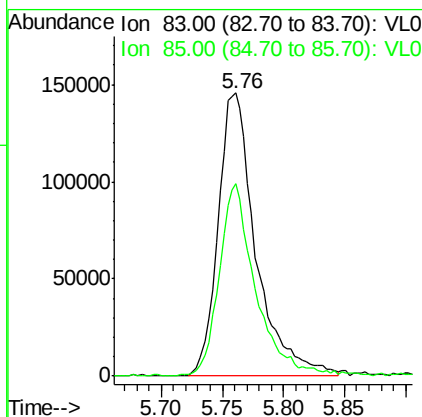
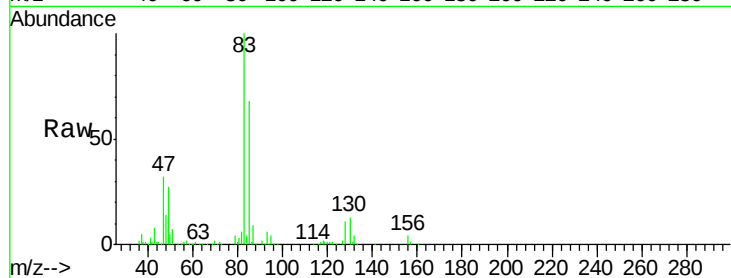
#29
Chloroform
Concen: 1.102 ppbv
RT: 5.76 min Scan# 925
Delta R.T. 0.03 min
Lab File: VL037147.D
Acq: 14 Jun 2021 13:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	313569
Ion Ratio	Lower	Upper	
83	100		
85	67.4	51.1	76.7

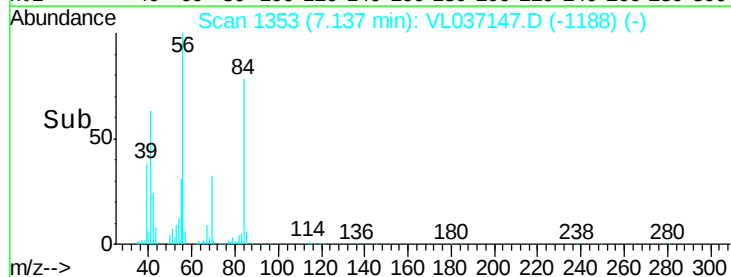
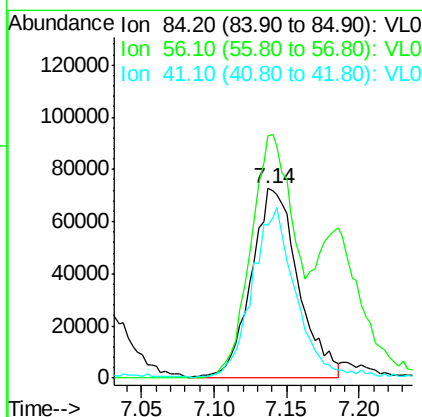
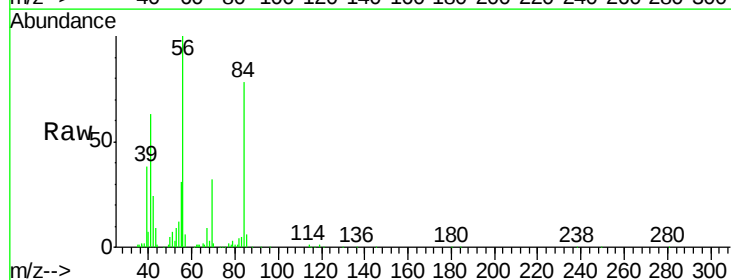
Manual Integrations
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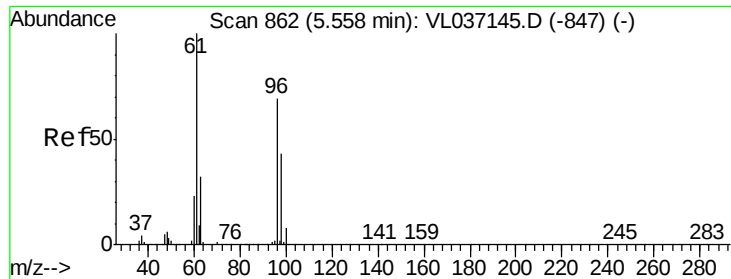
MMDadoda
6/15/2021 5:17:38 PM



#30
Cyclohexane
Concen: 0.947 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.03 min
Lab File: VL037147.D
Acq: 14 Jun 2021 13:38

Tgt Ion	84	Resp	162100
Ion Ratio	Lower	Upper	
84	100		
56	118.2	107.9	161.9
41	86.0	65.5	98.3





#31

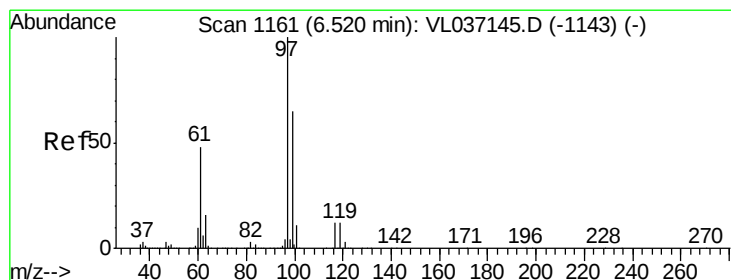
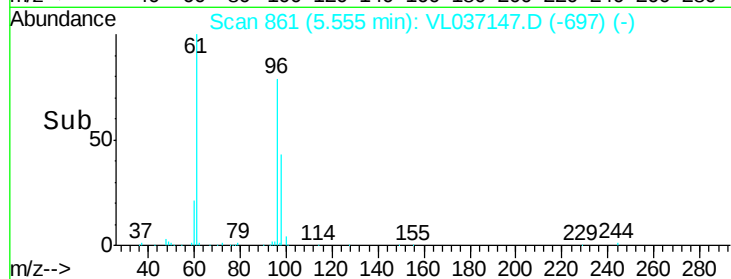
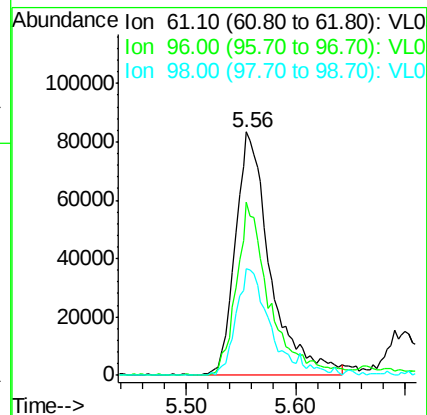
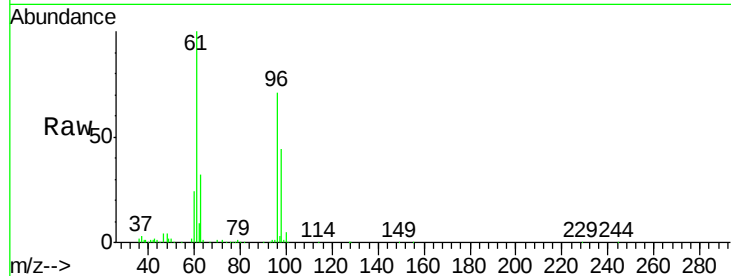
cis-1,2-Dichloroethene
Concen: 1.024 ppbv m
RT: 5.56 min Scan# 861
Delta R.T. 0.03 min
Lab File: VL037147.D
Acq: 14 Jun 2021 13:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
61	100		
96	71.3	55.9	83.9
98	44.0	35.6	53.4

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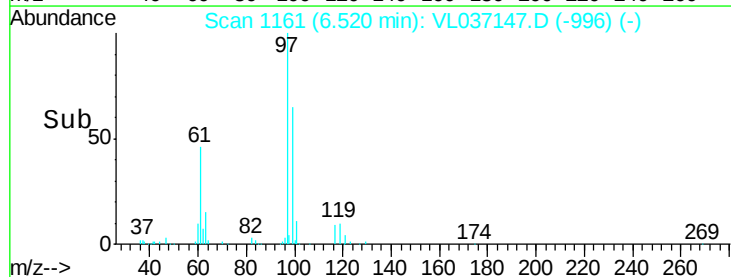
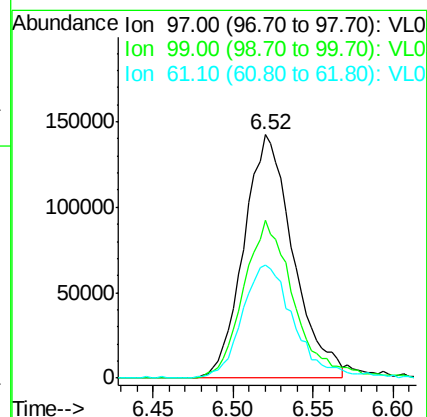
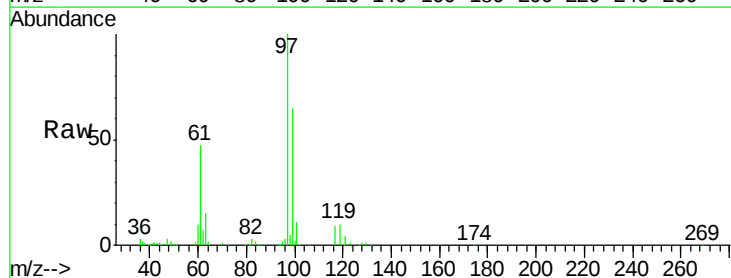
MMDadoda
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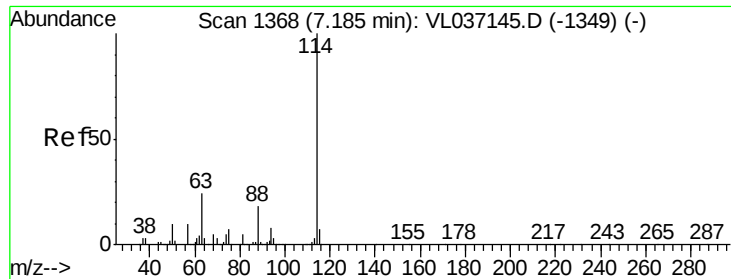


#32

1,1,1-Trichloroethane
Concen: 0.986 ppbv
RT: 6.52 min Scan# 1161
Delta R.T. 0.03 min
Lab File: VL037147.D
Acq: 14 Jun 2021 13:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.9	51.9	77.9
61	49.6	37.6	56.4





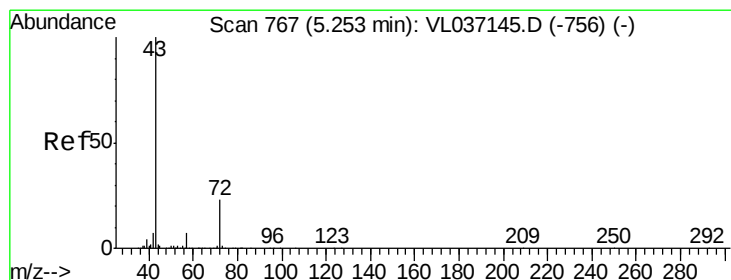
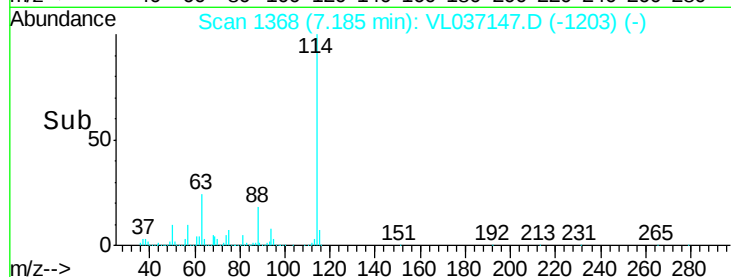
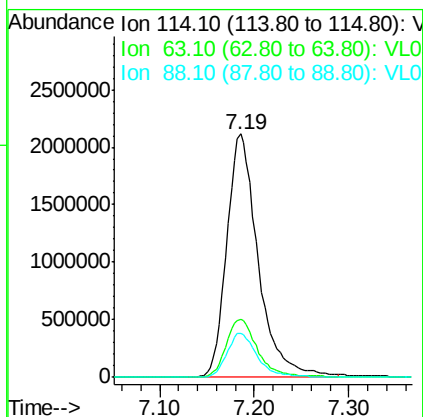
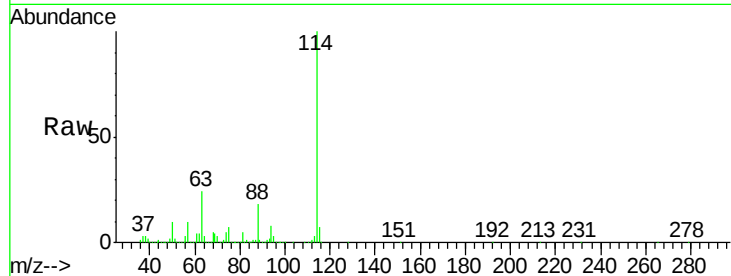
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.03 min
 Lab File: VL037147.D
 Acq: 14 Jun 2021 13:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.6	29.4
88	18.0	14.6	21.8

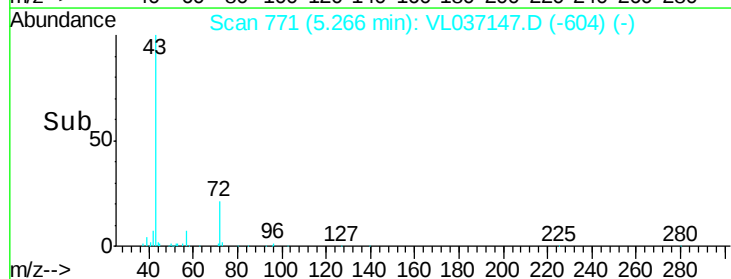
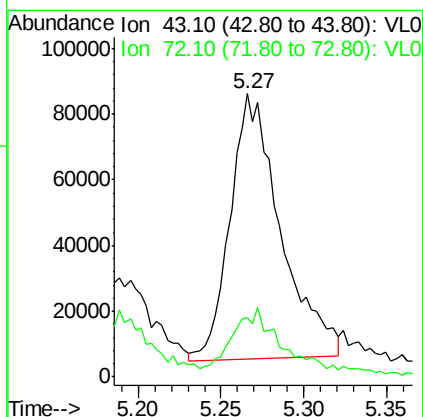
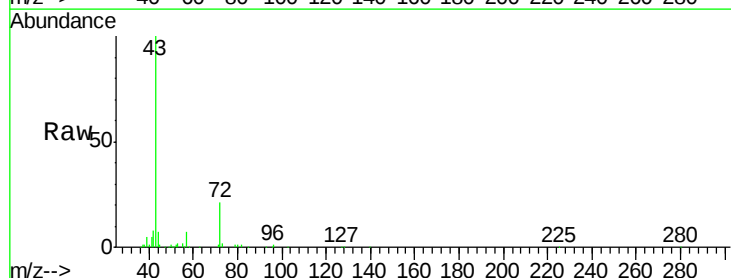
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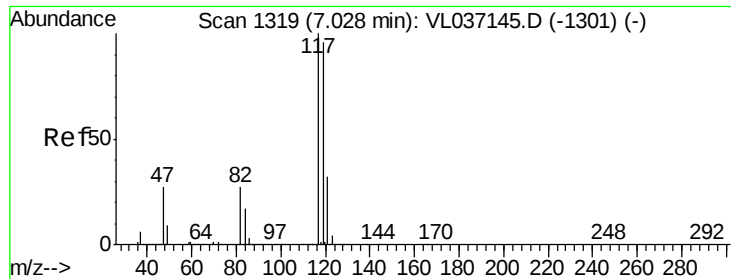
MMDadoda
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#34
 2-Butanone
 Concen: 0.967 ppbv
 RT: 5.27 min Scan# 771
 Delta R.T. 0.04 min
 Lab File: VL037147.D
 Acq: 14 Jun 2021 13:38

Tgt Ion	Ratio	Lower	Upper
43	100		
72	29.9	19.0	28.4





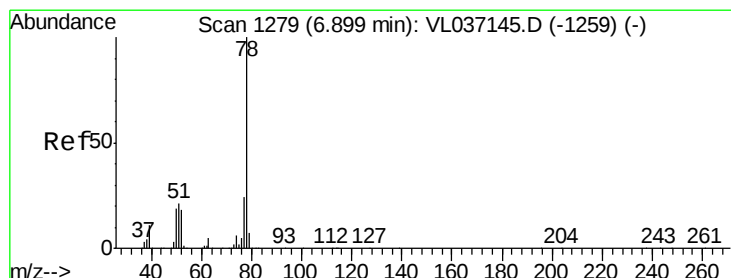
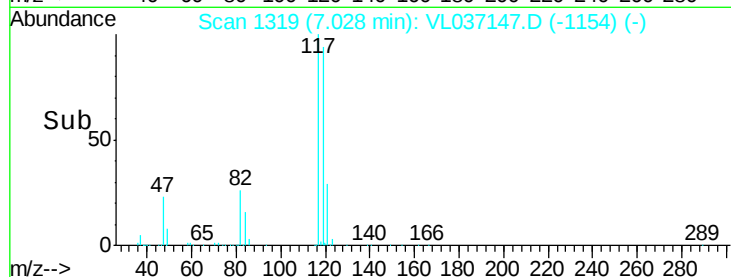
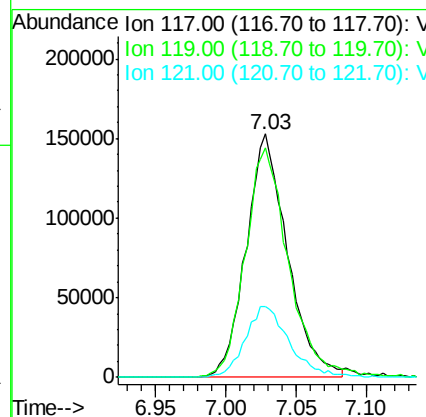
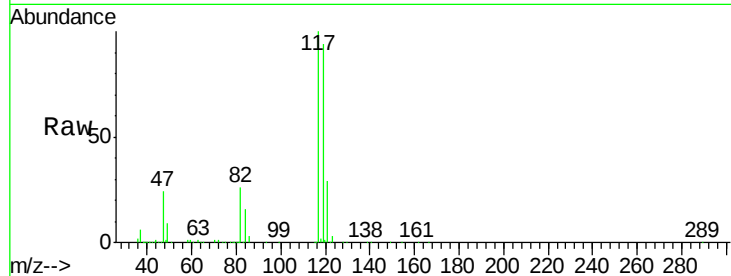
#35
Carbon Tetrachloride
Concen: 0.967 ppbv
RT: 7.03 min Scan# 1319
Delta R.T. 0.03 min
Lab File: VL037147.D
Acq: 14 Jun 2021 13:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.6	114.8
121	29.2	25.8	38.6

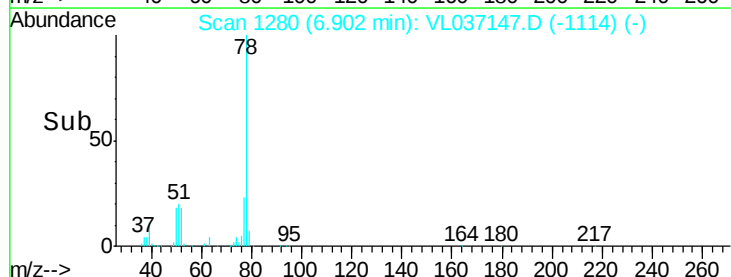
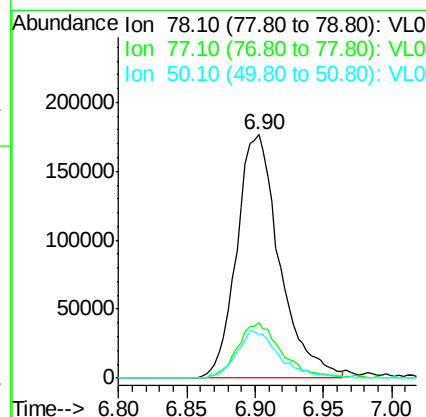
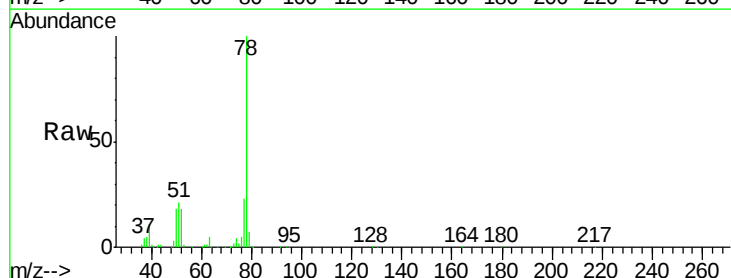
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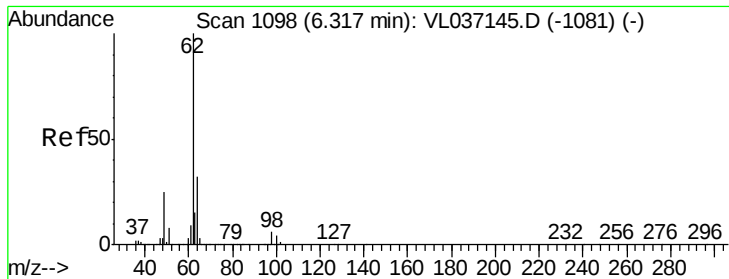
MMDadoda
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#36
Benzene
Concen: 0.916 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. 0.03 min
Lab File: VL037147.D
Acq: 14 Jun 2021 13:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.6	28.0
50	17.8	15.0	22.4





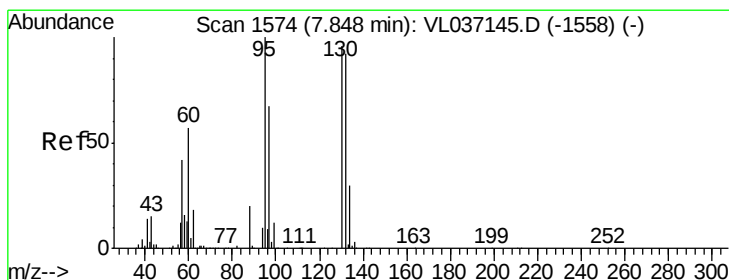
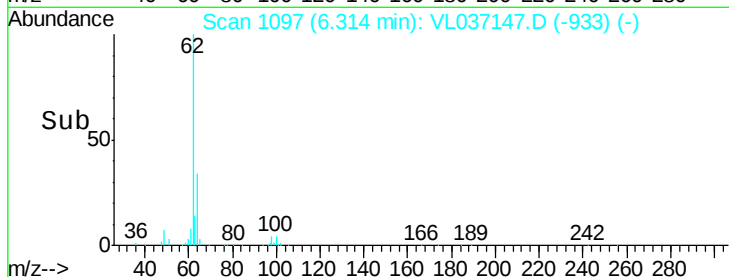
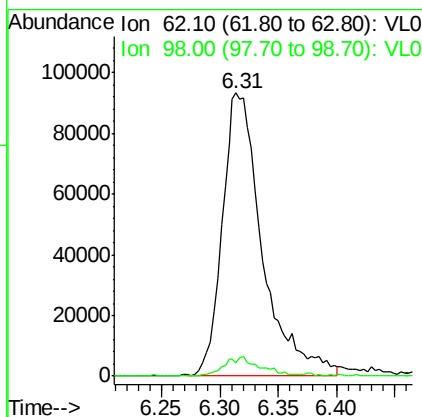
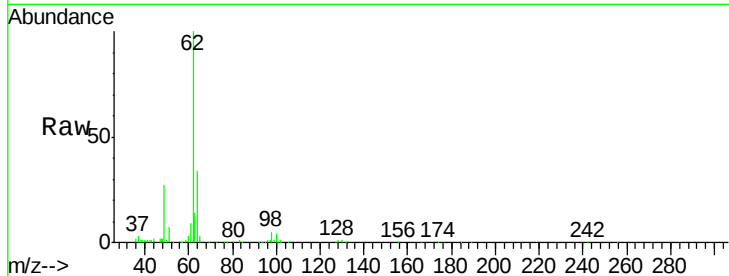
#37
 1,2-Dichloroethane
 Concen: 1.071 ppbv m
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.03 min
 Lab File: VL037147.D
 Acq: 14 Jun 2021 13:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.8	5.5	8.3

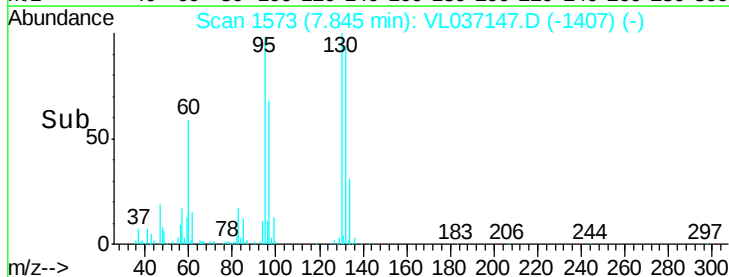
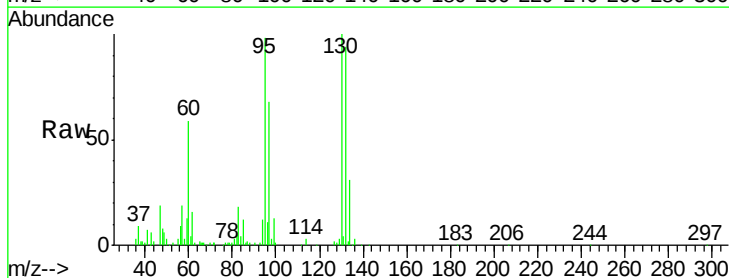
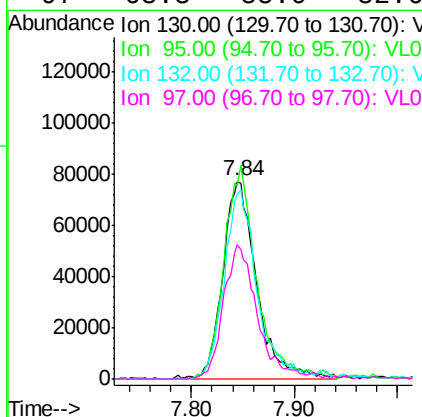
Manual Integrations
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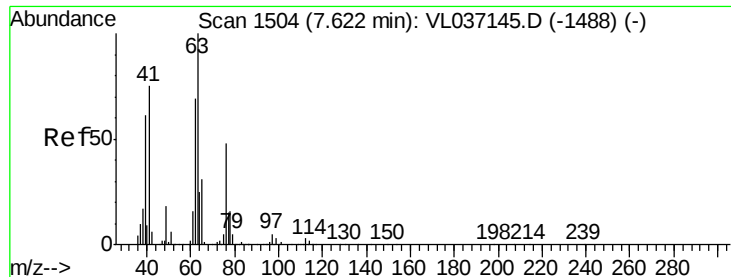
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#38
 Trichloroethene
 Concen: 0.978 ppbv m
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.03 min
 Lab File: VL037147.D
 Acq: 14 Jun 2021 13:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.1	86.9	130.3
132	93.6	78.4	117.6
97	68.3	55.0	82.6





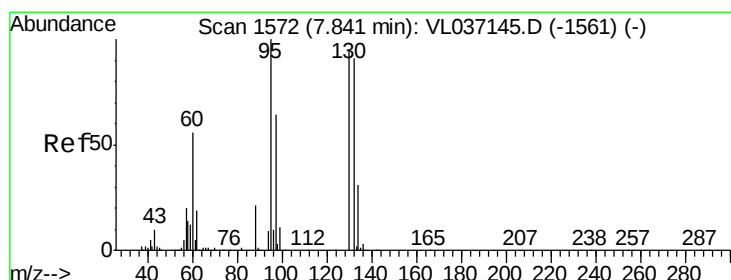
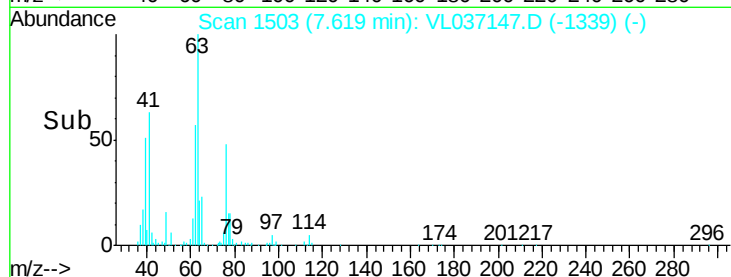
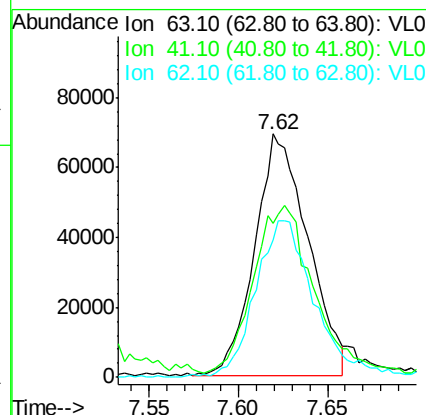
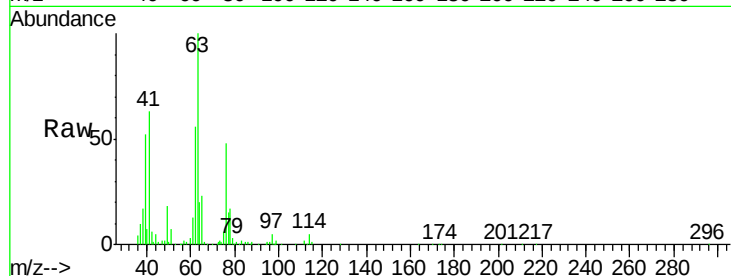
#39
 1,2-Dichloropropane
 Concen: 0.886 ppbv
 RT: 7.62 min Scan# 1503
 Delta R.T. 0.03 min
 Lab File: VL037147.D
 Acq: 14 Jun 2021 13:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
41	60.9	55.7	83.5
62	55.7	56.2	84.4#

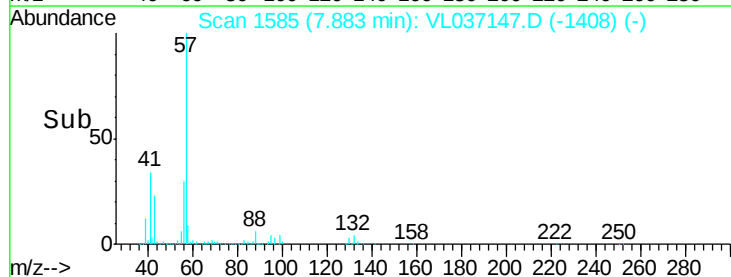
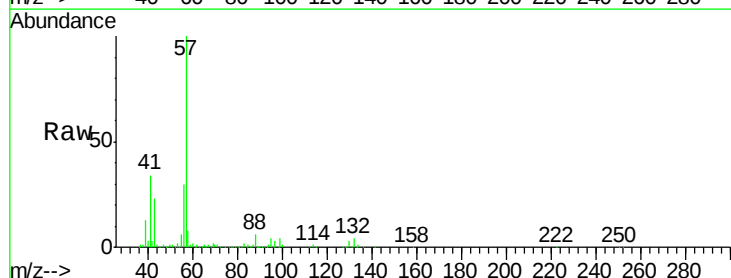
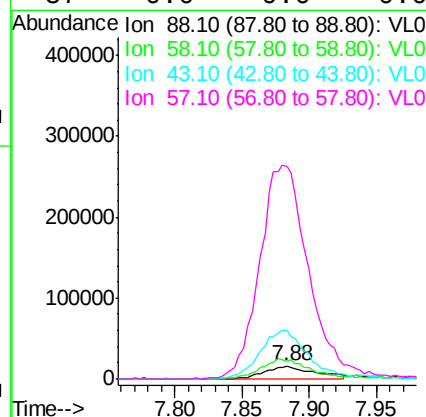
Manual Integrations
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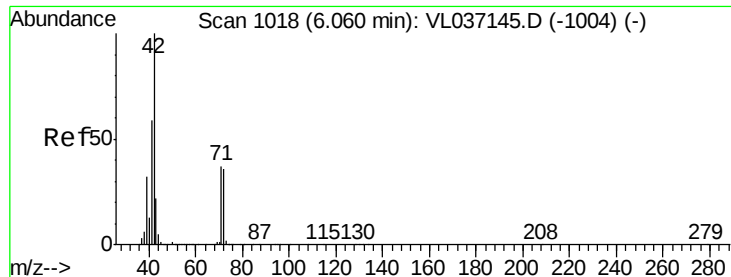
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#40
 1,4-Dioxane
 Concen: 1.094 ppbv m
 RT: 7.88 min Scan# 1585
 Delta R.T. 0.07 min
 Lab File: VL037147.D
 Acq: 14 Jun 2021 13:38

Tgt 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





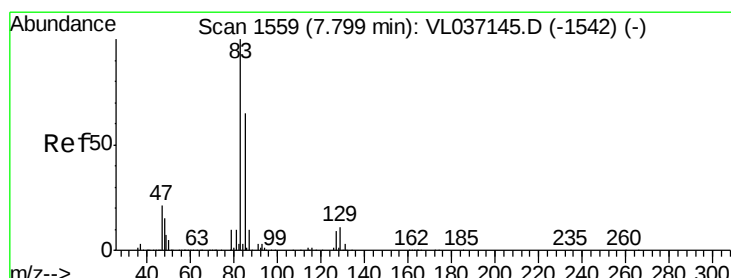
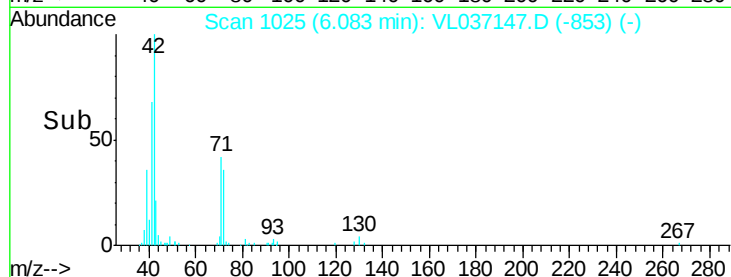
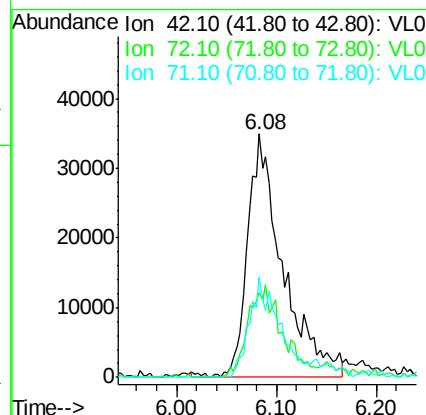
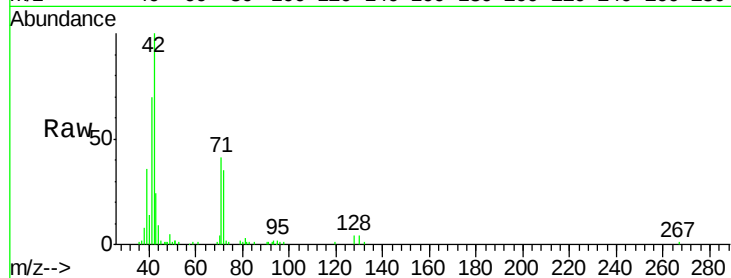
#41
Tetrahydrofuran
Concen: 0.847 ppbv m
RT: 6.08 min Scan# 1025
Delta R.T. 0.05 min
Lab File: VL037147.D
Acq: 14 Jun 2021 13:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	31.4	47.2
71	39.4	30.4	45.6

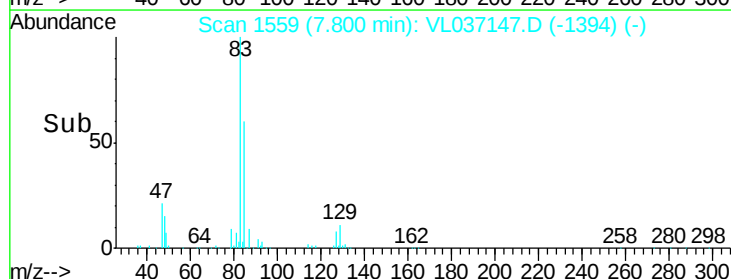
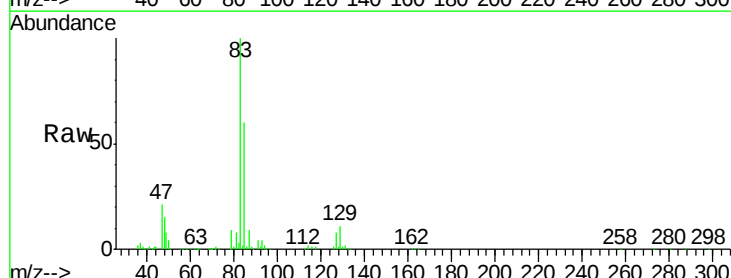
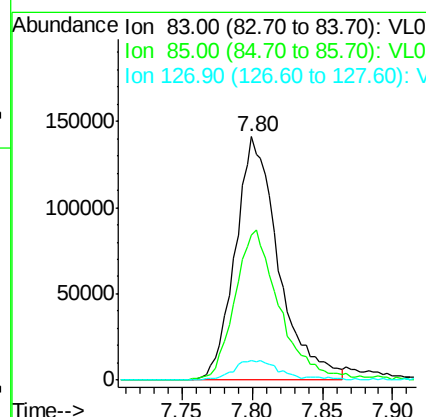
Manual Integrations
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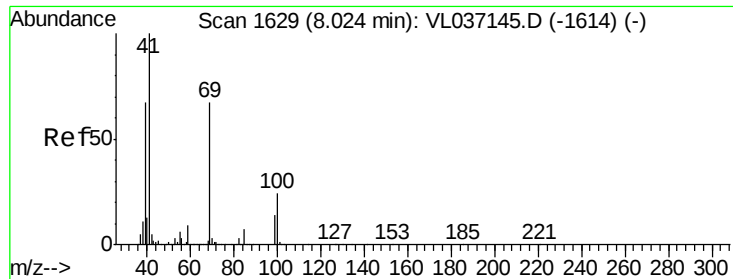
MMDadoda
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#42
Bromodichloromethane
Concen: 0.954 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. 0.03 min
Lab File: VL037147.D
Acq: 14 Jun 2021 13:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.3	51.7	77.5
127	8.2	6.9	10.3





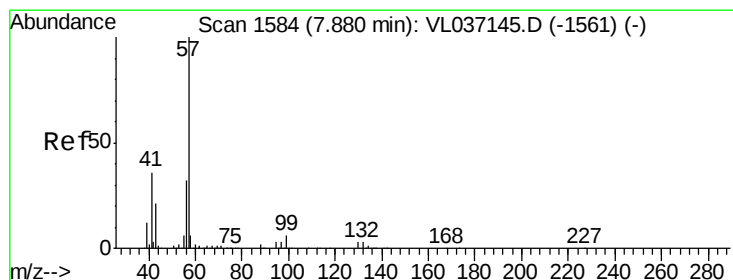
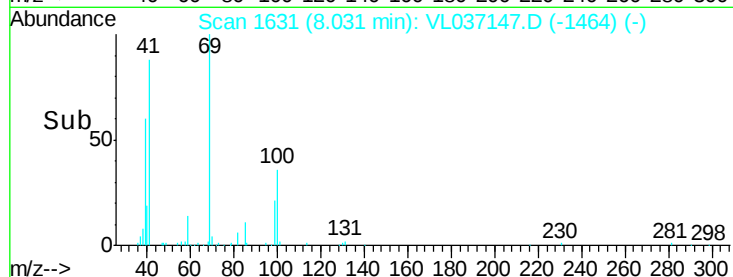
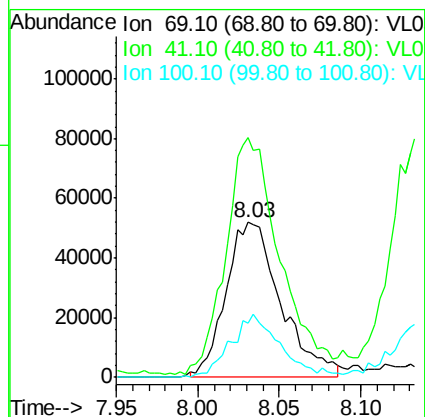
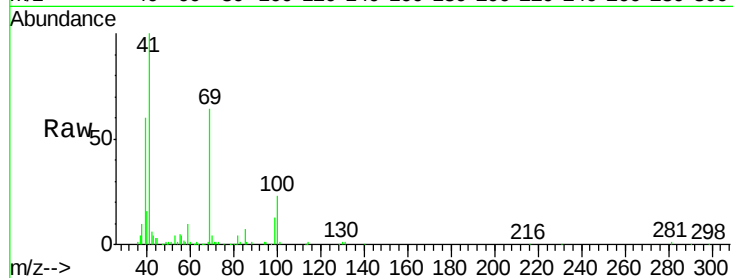
#43
Methvl Methacrylate
Concen: 0.837 ppbv m
RT: 8.03 min Scan# 1631
Delta R.T. 0.04 min
Lab File: VL037147.D
Acq: 14 Jun 2021 13:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	152.0	118.6	178.0	
100	36.9	28.2	42.4	

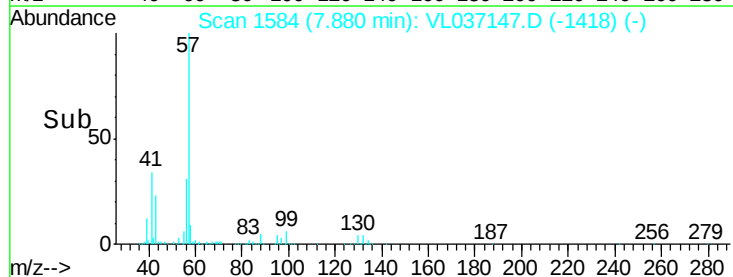
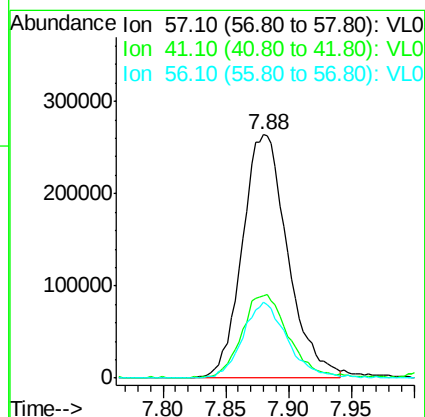
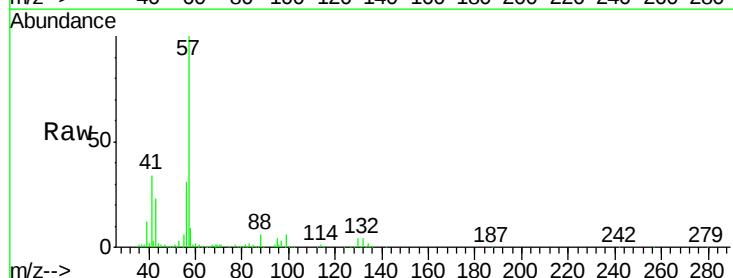
Manual Integrations
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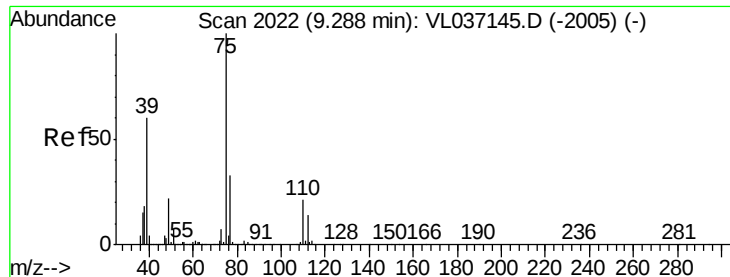
MMDadoda
6/15/2021 5:17:38 PM



#44
2,2,4-Trimethylpentane
Concen: 0.914 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.03 min
Lab File: VL037147.D
Acq: 14 Jun 2021 13:38

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	35.6	27.0	40.4	
56	31.2	25.4	38.2	





#45

t-1,3-Dichloropropene

Concen: 0.881 ppbv m

RT: 9.29 min Scan# 2024

Delta R.T. 0.04 min

Lab File: VL037147.D

Acq: 14 Jun 2021 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 97671

Ion Ratio Lower Upper

75 100

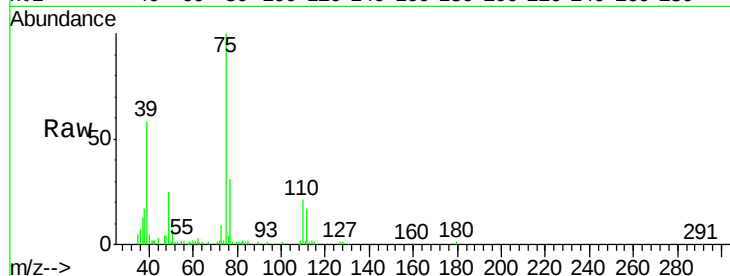
77 30.6 24.4 36.6

Manual Integrations

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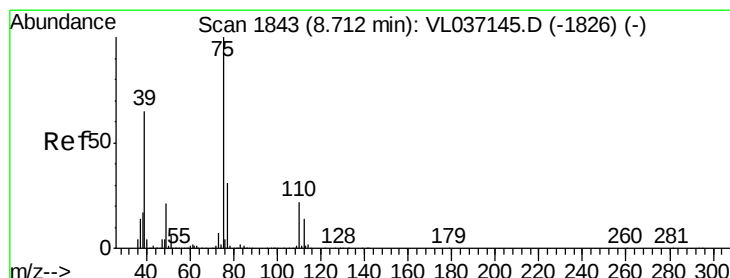
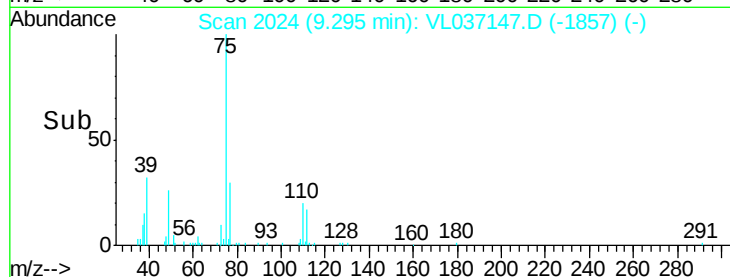
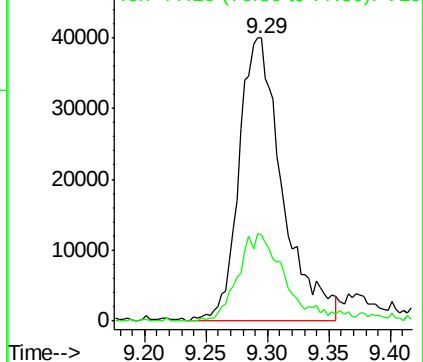
MMDadoda

6/15/2021 5:17:38 PM



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.938 ppbv m

RT: 8.72 min Scan# 1844

Delta R.T. 0.04 min

Lab File: VL037147.D

Acq: 14 Jun 2021 13:38

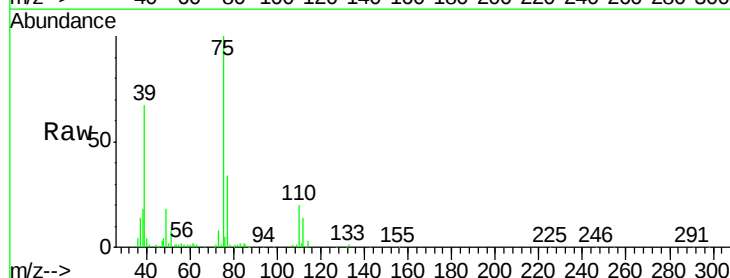
Tgt Ion: 75 Resp: 139811

Ion Ratio Lower Upper

75 100

39 67.1 51.5 77.3

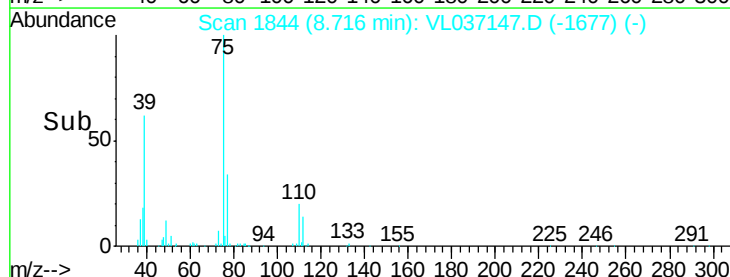
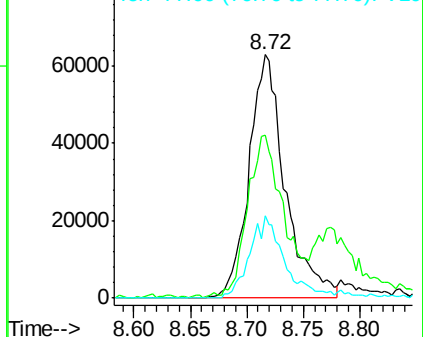
77 33.8 25.9 38.9

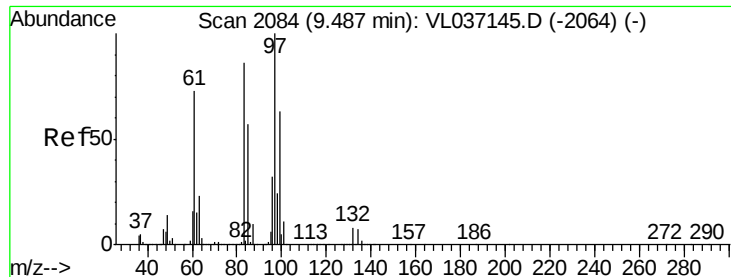


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





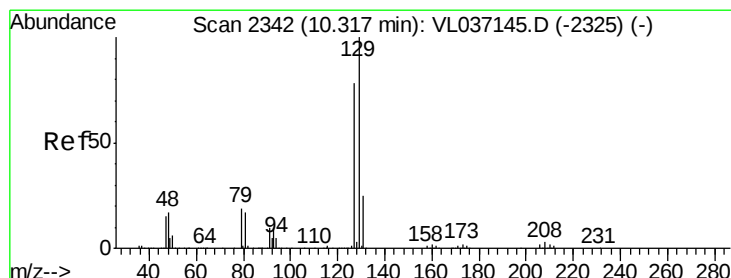
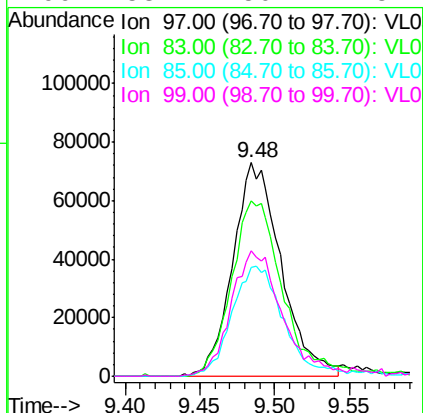
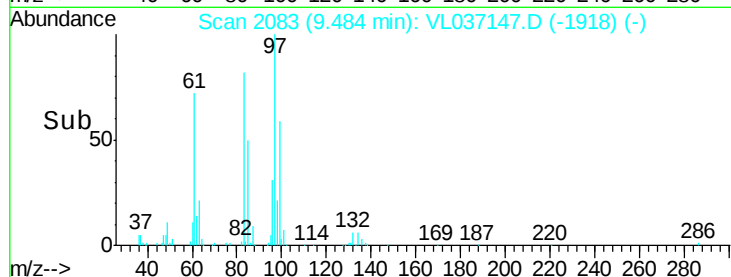
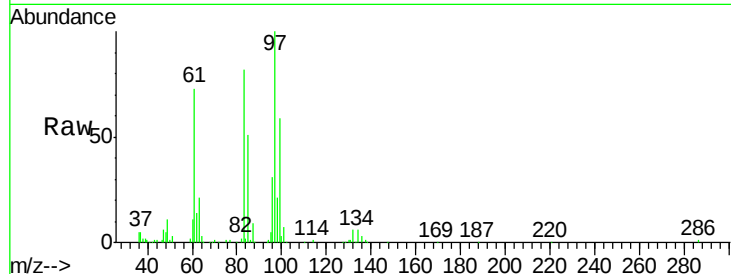
#47
 1,1,2-Trichloroethane
 Concen: 0.961 ppbv
 RT: 9.48 min Scan# 2083
 Delta R.T. 0.03 min
 Lab File: VL037147.D
 Acq: 14 Jun 2021 13:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		163108		
83	82.3	70.4	105.6		
85	50.4	45.5	68.3		
99	58.2	50.2	75.2		

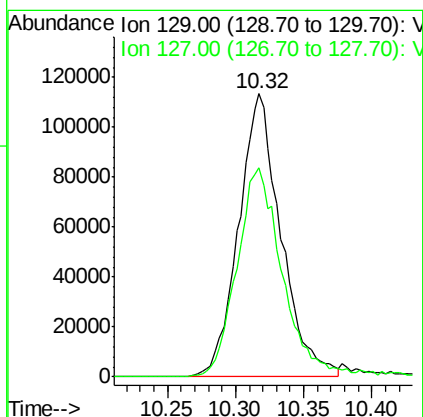
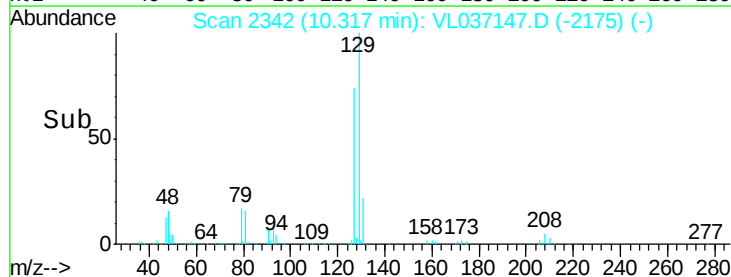
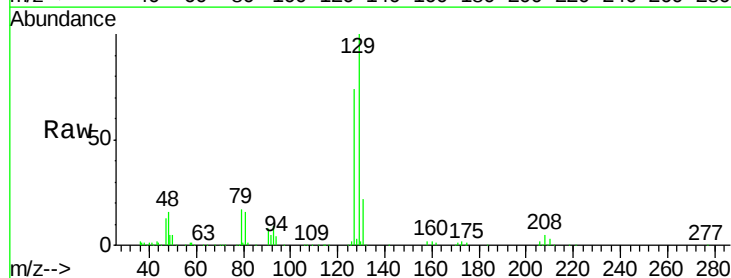
Manual Integrations
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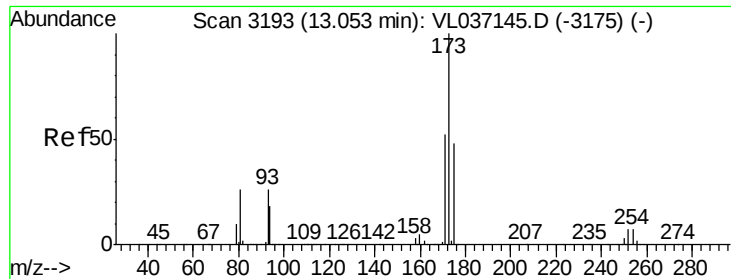
MMDadoda
 6/15/2021 5:17:38 PM



#48
 Dibromochloromethane
 Concen: 0.888 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. 0.04 min
 Lab File: VL037147.D
 Acq: 14 Jun 2021 13:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		243956		
127	80.6	39.3	117.8		





#49

Bromoform

Concen: 0.800 ppbv m

RT: 13.05 min Scan# 3192

Delta R.T. 0.03 min

Lab File: VL037147.D

Acq: 14 Jun 2021 13:38

Instrument :

MSVOA_L

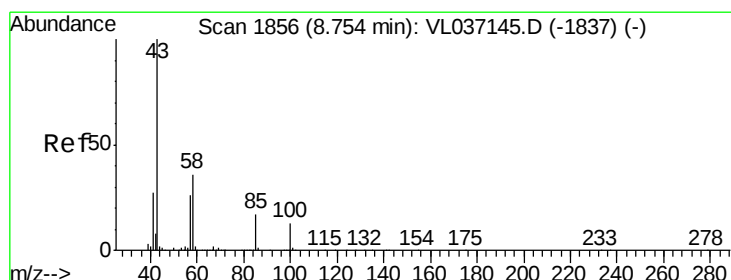
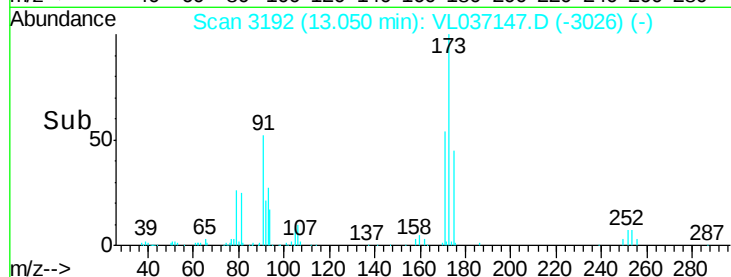
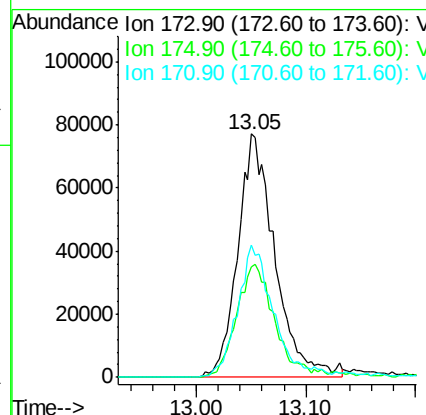
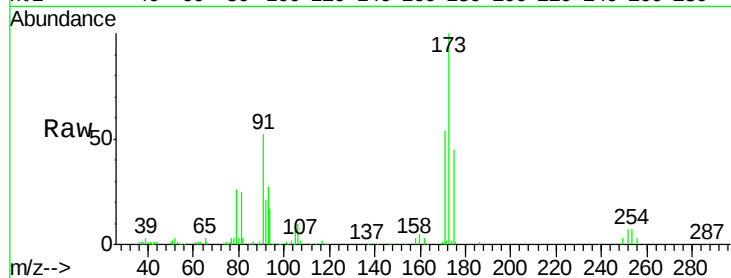
ClientSampleId :

VSTDIC001

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

Manual Integrations
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#50

4-Methyl-2-Pentanone

Concen: 0.908 ppbv m

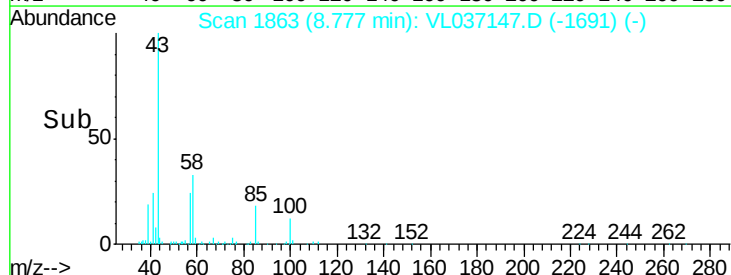
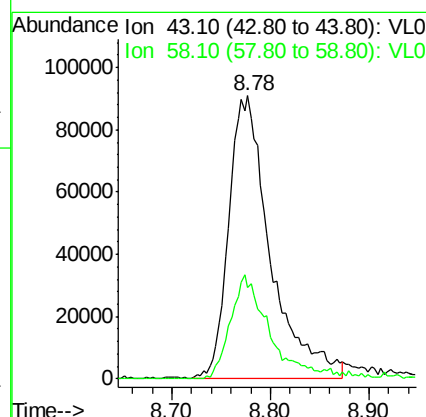
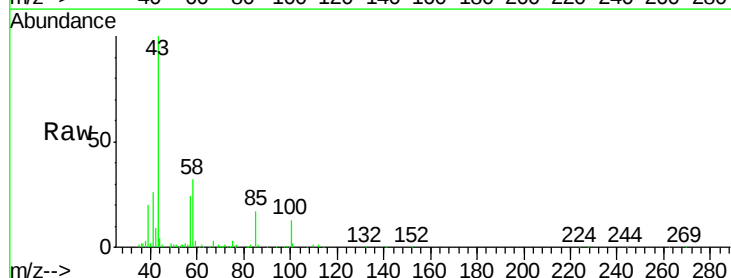
RT: 8.78 min Scan# 1863

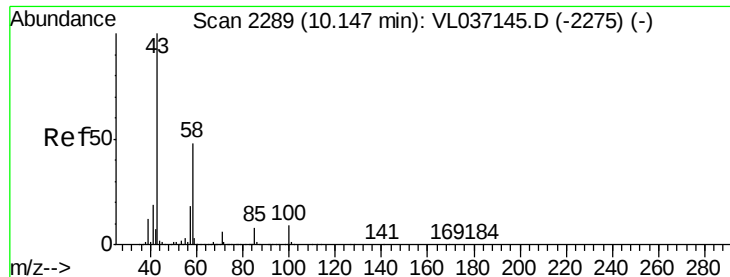
Delta R.T. 0.05 min

Lab File: VL037147.D

Acq: 14 Jun 2021 13:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.3	29.4	44.2





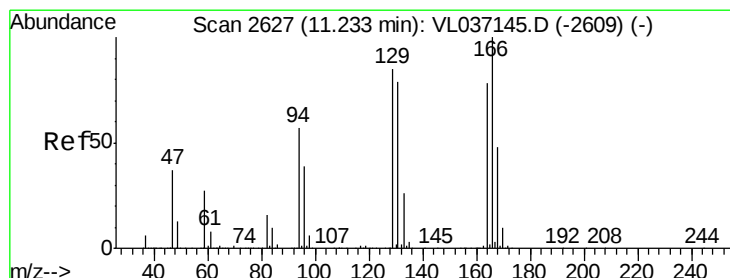
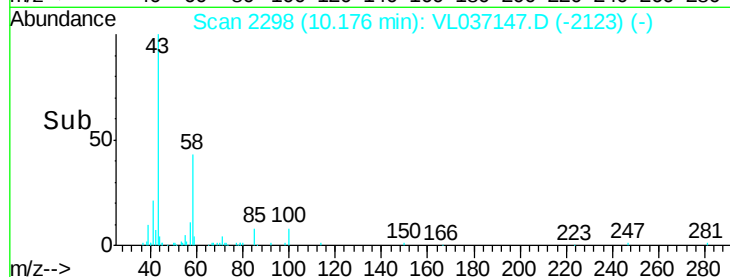
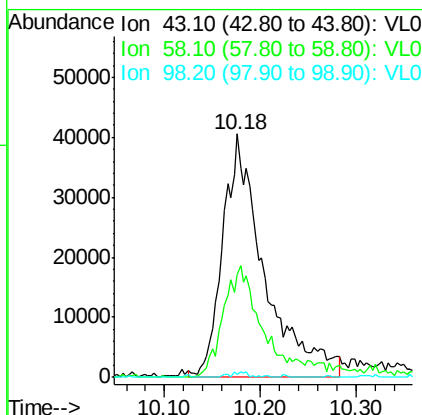
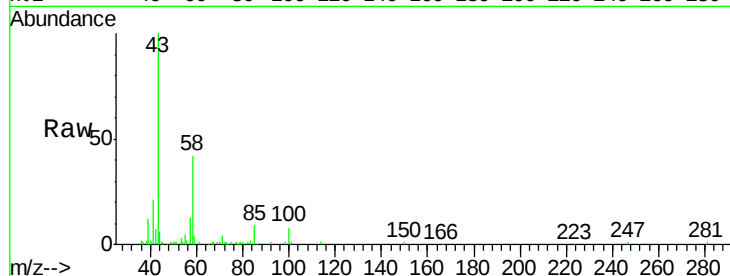
#51
2-Hexanone
Concen: 0.783 ppbv m
RT: 10.18 min Scan# 2298
Delta R.T. 0.06 min
Lab File: VL037147.D
Acq: 14 Jun 2021 13:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

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

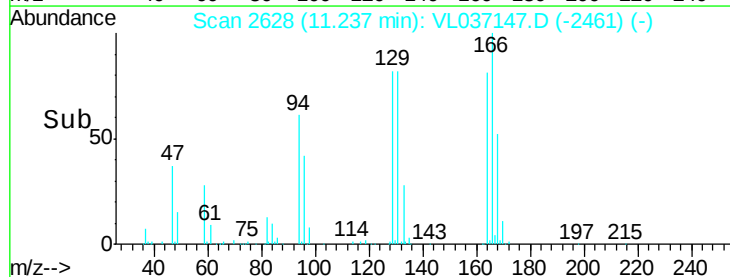
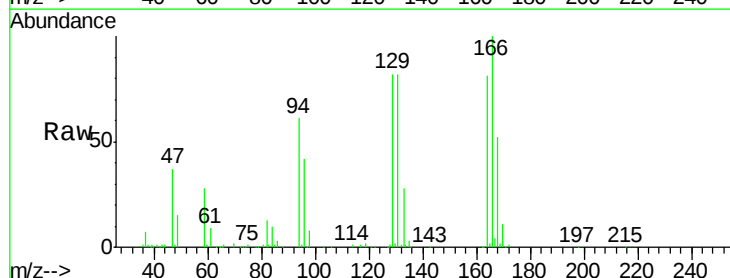
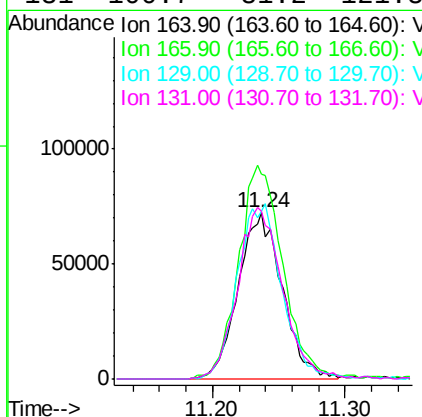
Manual Integrations
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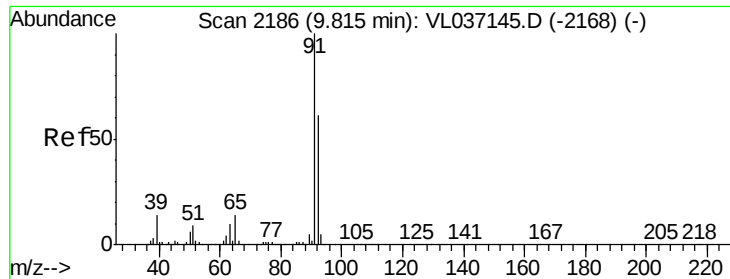
MMDadoda
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#52
Tetrachloroethene
Concen: 0.998 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. 0.04 min
Lab File: VL037147.D
Acq: 14 Jun 2021 13:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.9	105.5	158.3
129	100.8	81.8	122.8
131	100.7	81.2	121.8





#53

Toluene

Concen: 0.902 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.04 min

Lab File: VL037147.D

Acq: 14 Jun 2021 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 451761

Ion Ratio Lower Upper

91 100

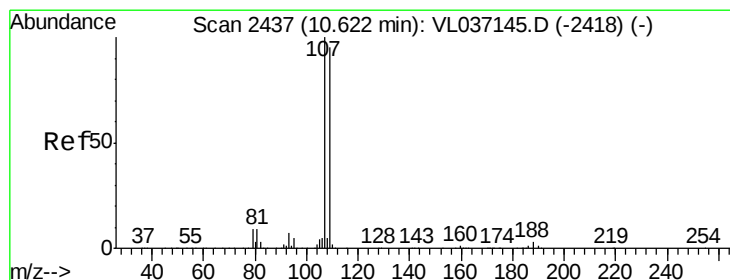
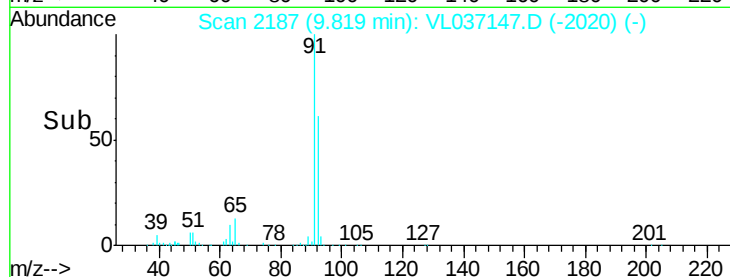
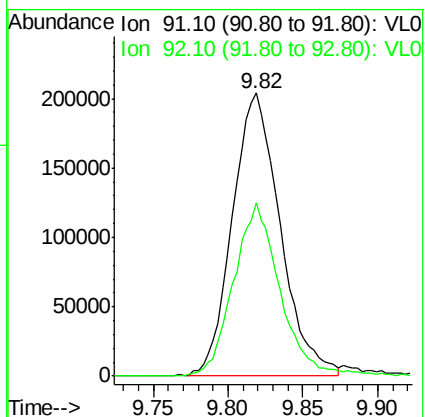
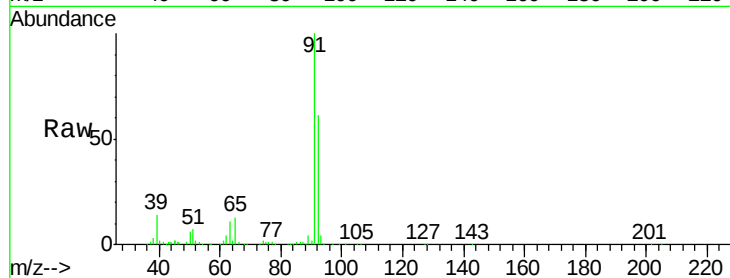
92 60.3 49.5 74.3

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 0.974 ppbv m

RT: 10.62 min Scan# 2437

Delta R.T. 0.04 min

Lab File: VL037147.D

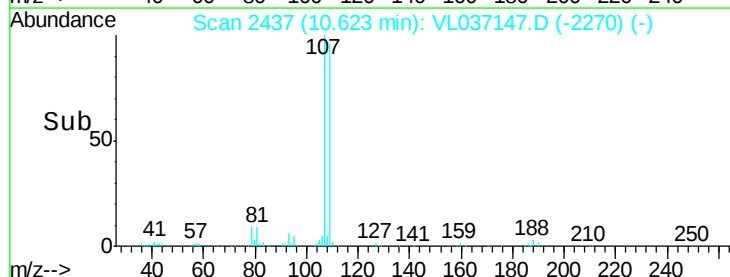
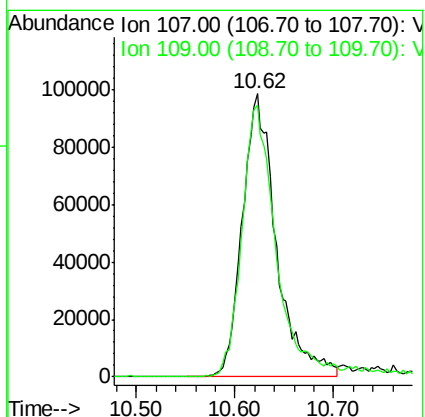
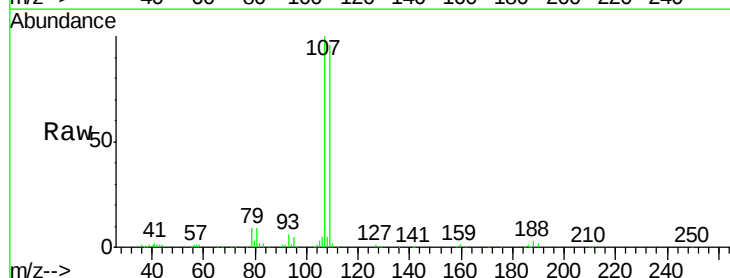
Acq: 14 Jun 2021 13:38

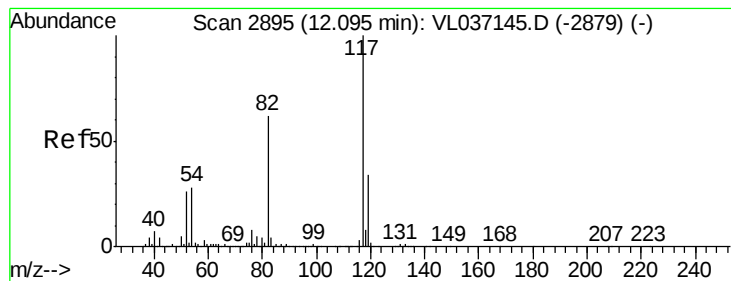
Tgt Ion: 107 Resp: 235104

Ion Ratio Lower Upper

107 100

109 95.9 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: VL037147.D

Acq: 14 Jun 2021 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:117 Resp: 4516936

Ion Ratio Lower Upper

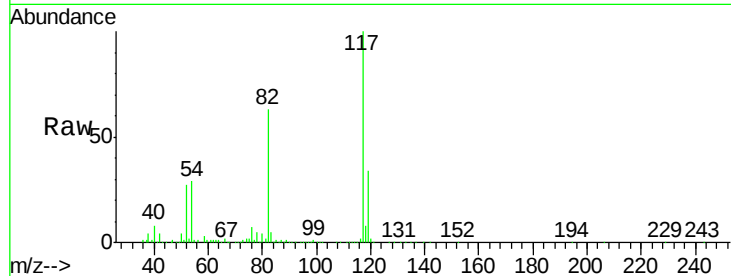
117 100

82 61.4 52.6 79.0

119 35.1 46.6 70.0#

Manual Integrations
APPROVED

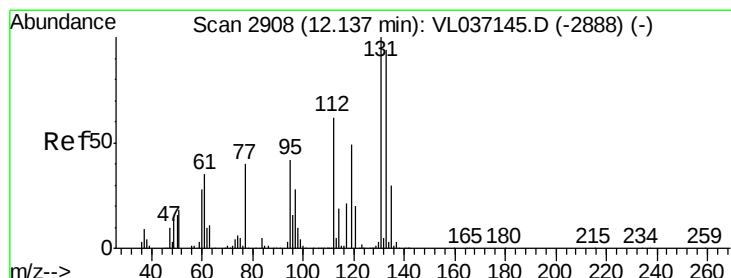
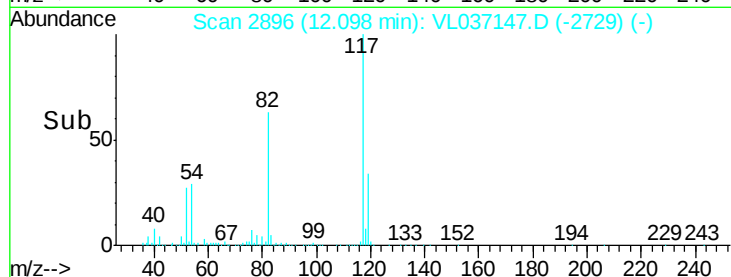
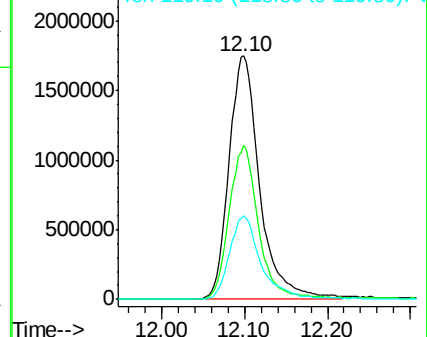
MMDadoda
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 1.032 ppbv

RT: 12.14 min Scan# 2909

Delta R.T. 0.04 min

Lab File: VL037147.D

Acq: 14 Jun 2021 13:38

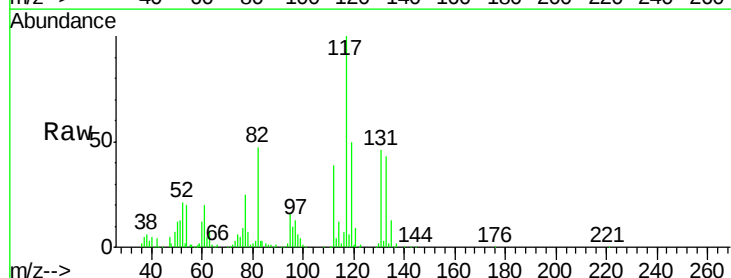
Tgt Ion:131 Resp: 196200

Ion Ratio Lower Upper

131 100

133 97.8 76.9 115.3

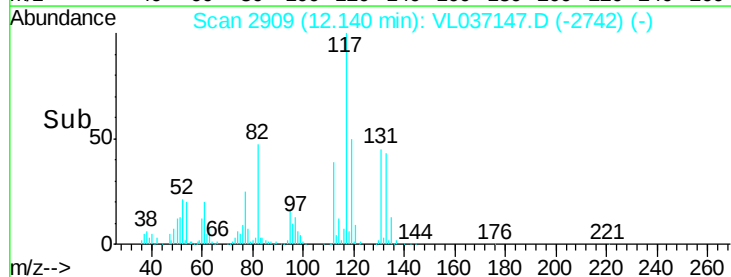
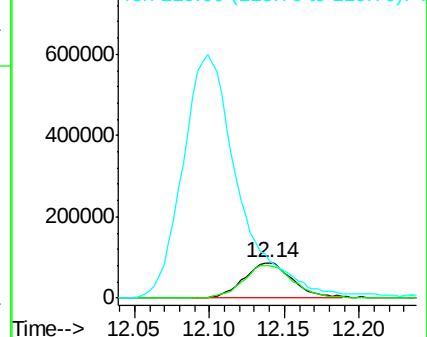
119 807.4 120.2 180.4#

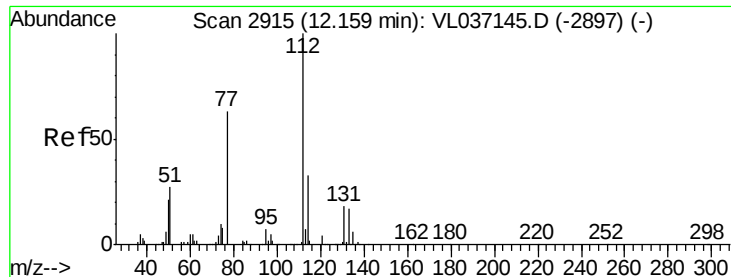


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





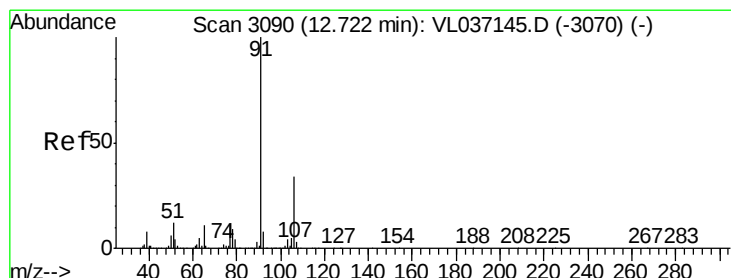
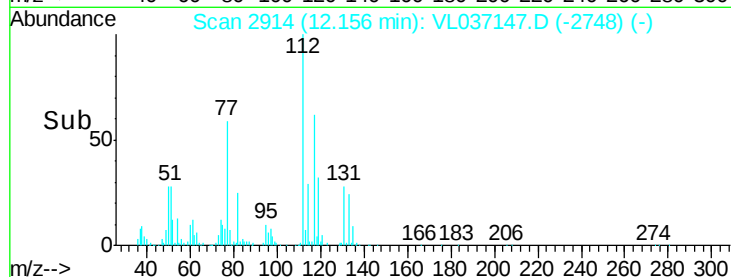
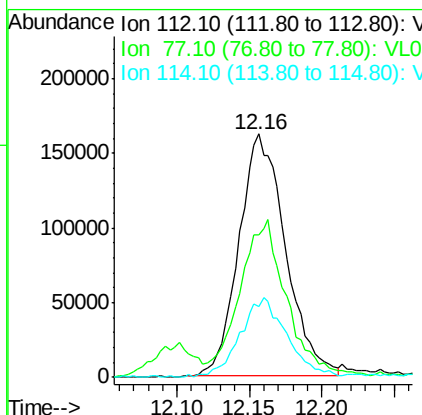
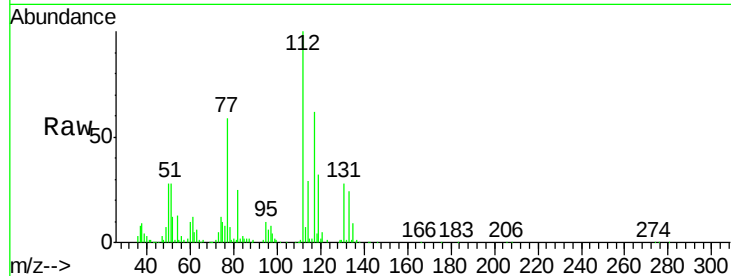
#57
Chlorobenzene
Concen: 1.035 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.03 min
Lab File: VL037147.D
Acq: 14 Jun 2021 13:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
112	100		
77	56.0	51.0	76.6
114	28.7	28.3	34.5

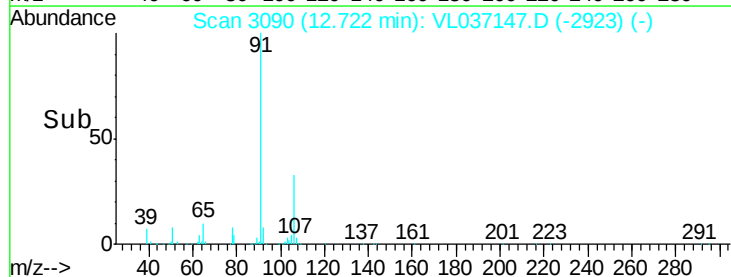
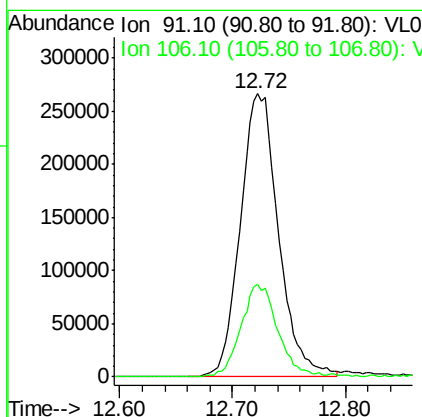
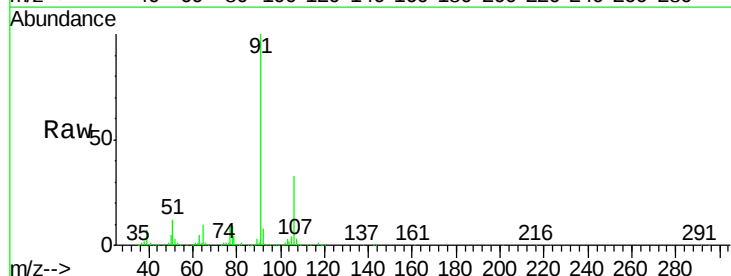
Manual Integrations
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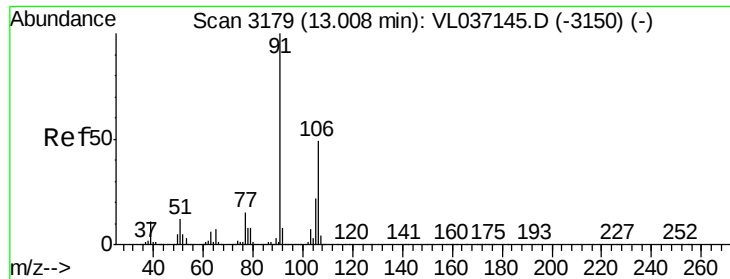
MMDadoda
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#58
Ethyl Benzene
Concen: 0.983 ppbv m
RT: 12.72 min Scan# 3090
Delta R.T. 0.04 min
Lab File: VL037147.D
Acq: 14 Jun 2021 13:38

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.9	25.6	38.4





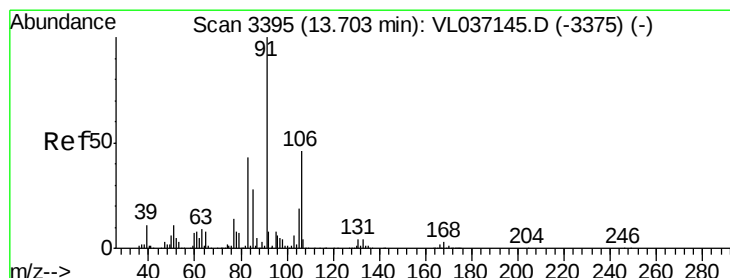
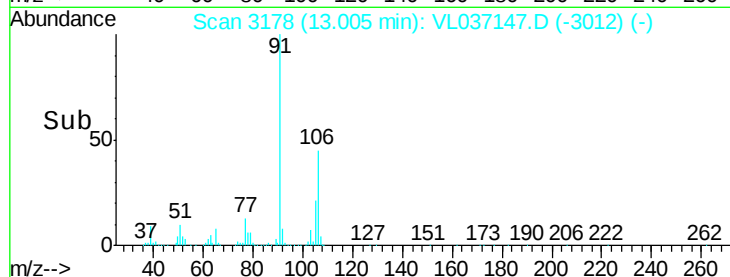
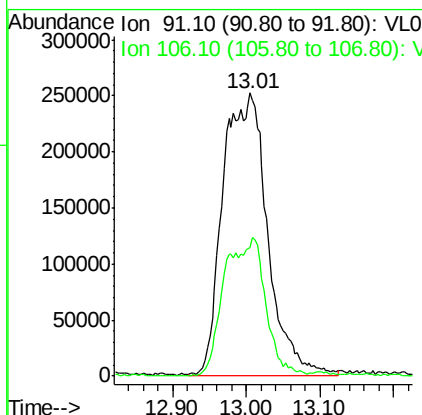
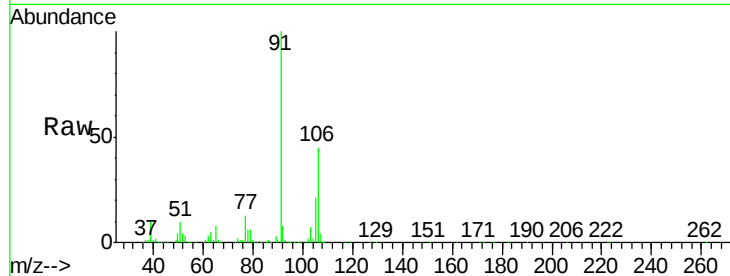
#59
m/p-Xylene
Concen: 2.026 ppbv m
RT: 13.01 min Scan# 3178
Delta R.T. 0.03 min
Lab File: VL037147.D
Acq: 14 Jun 2021 13:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 1067567
Ion Ratio Lower Upper
91 100
106 45.2 37.4 56.2

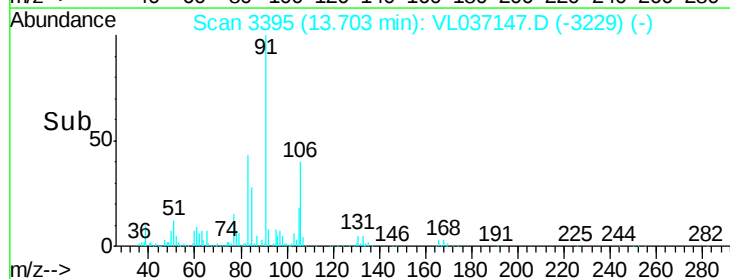
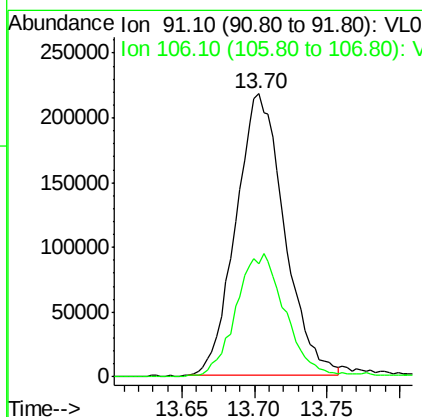
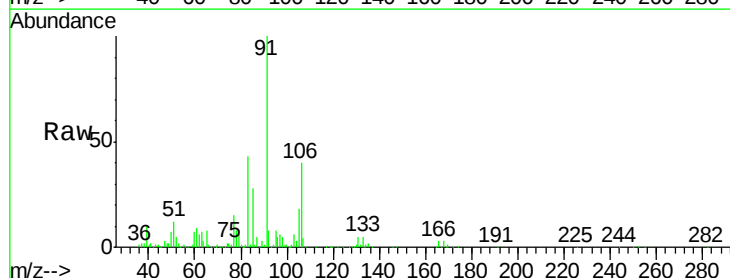
Manual Integrations
APPROVED

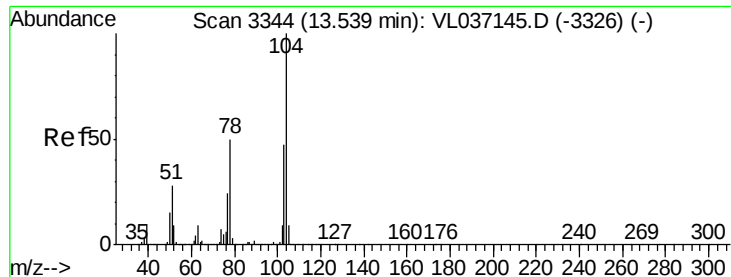
MMDadoda
6/15/2021 5:17:38 PM



#60
o-Xylene
Concen: 1.007 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. 0.03 min
Lab File: VL037147.D
Acq: 14 Jun 2021 13:38

Tgt Ion: 91 Resp: 505948
Ion Ratio Lower Upper
91 100
106 45.0 23.4 70.3





#61

Stvrene

Concen: 0.886 ppbv

RT: 13.54 min Scan# 3345

Delta R.T. 0.04 min

Lab File: VL037147.D

Acq: 14 Jun 2021 13:38

Instrument :

MSVOA_L

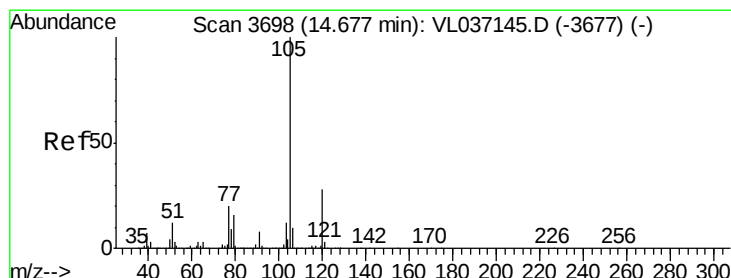
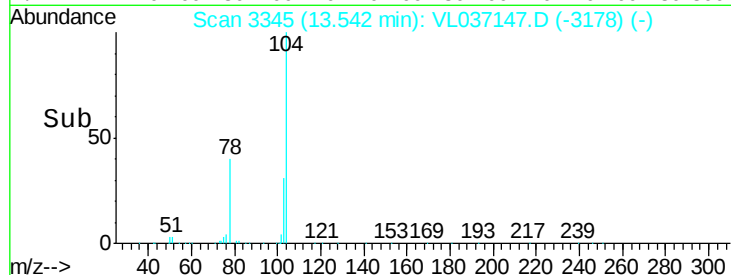
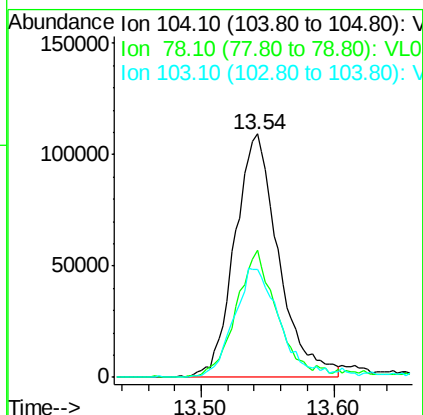
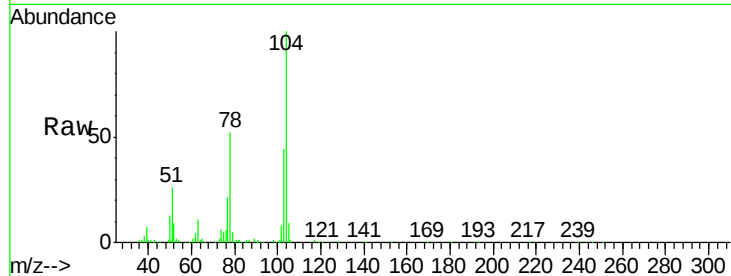
ClientSampleId :

VSTDIC001

Tot Ion:	104	Resp:	250919
Ion Ratio	Lower	Upper	
104	100		
78	51.2	39.0	58.6
103	48.7	38.0	57.0

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#62

Isopropylbenzene

Concen: 1.027 ppbv

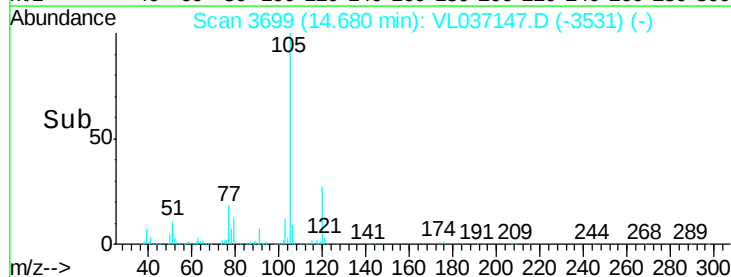
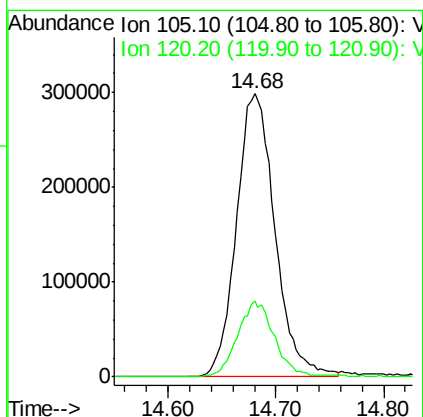
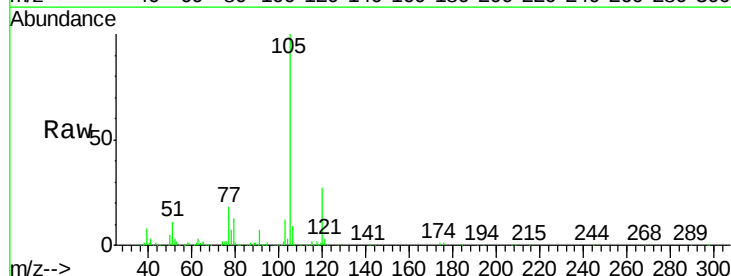
RT: 14.68 min Scan# 3699

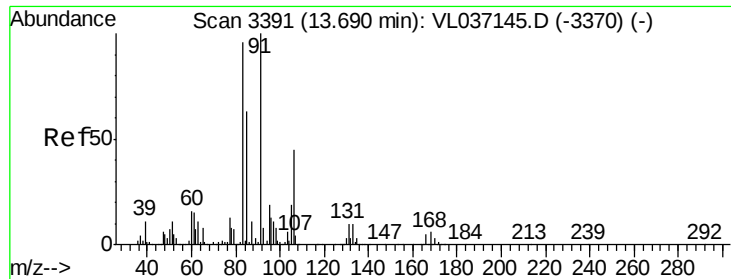
Delta R.T. 0.04 min

Lab File: VL037147.D

Acq: 14 Jun 2021 13:38

Tgt Ion:	105	Resp:	741870
Ion Ratio	Lower	Upper	
105	100		
120	26.0	21.7	32.5





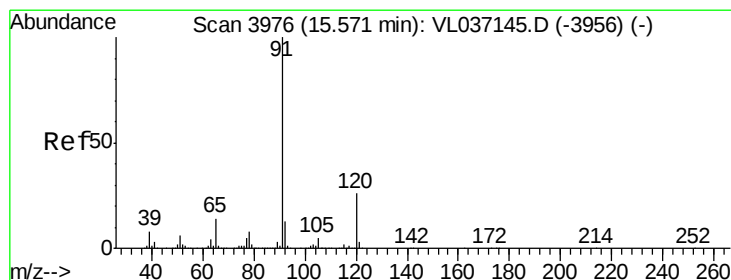
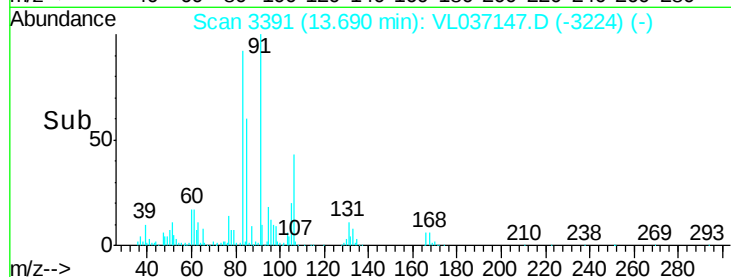
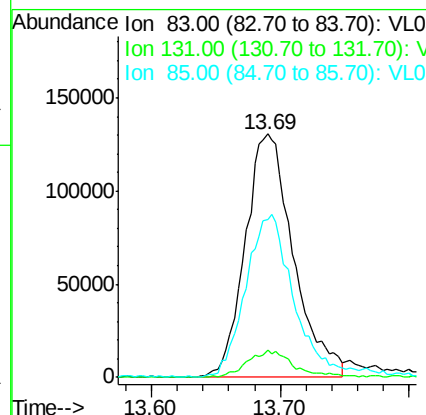
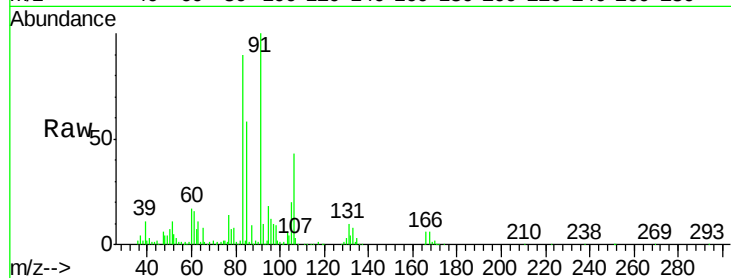
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.902 ppbv
 RT: 13.69 min Scan# 3391
 Delta R.T. 0.04 min
 Lab File: VL037147.D
 Acq: 14 Jun 2021 13:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	83	Resp	338401
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.0	15.0
85	68.3	32.9	98.6

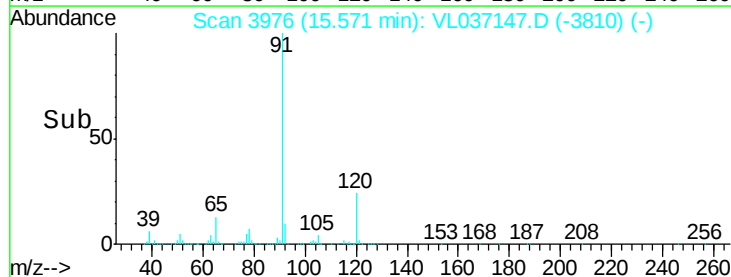
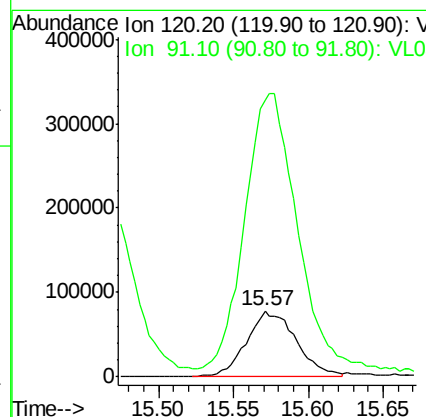
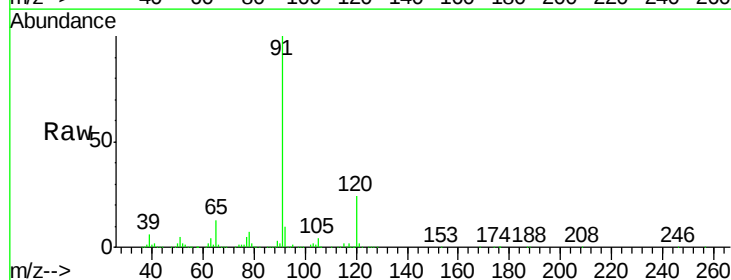
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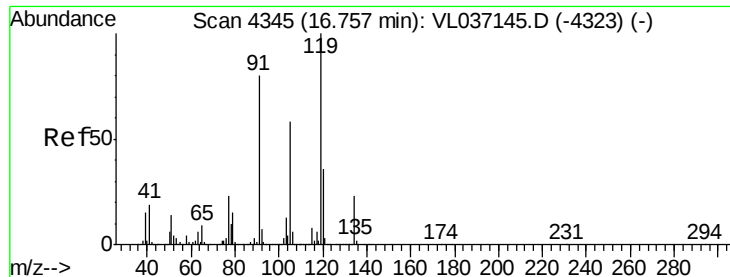
MMDadoda
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#64
 n-propylbenzene
 Concen: 0.959 ppbv
 RT: 15.57 min Scan# 3976
 Delta R.T. 0.03 min
 Lab File: VL037147.D
 Acq: 14 Jun 2021 13:38

Tgt Ion	120	Resp	178689
Ion Ratio	Lower	Upper	
120	100		
91	485.9	343.8	515.6





#65

tert-Butylbenzene

Concen: 1.035 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. 0.03 min

Lab File: VL037147.D

Acq: 14 Jun 2021 13:38

Instrument :

MSVOA_L

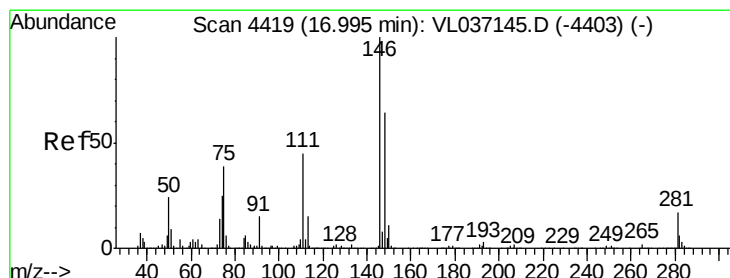
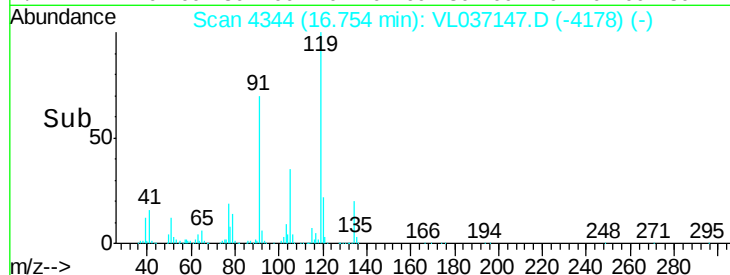
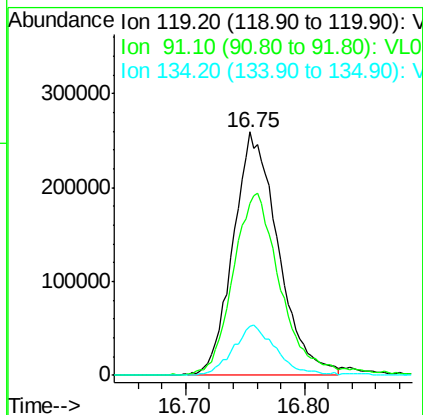
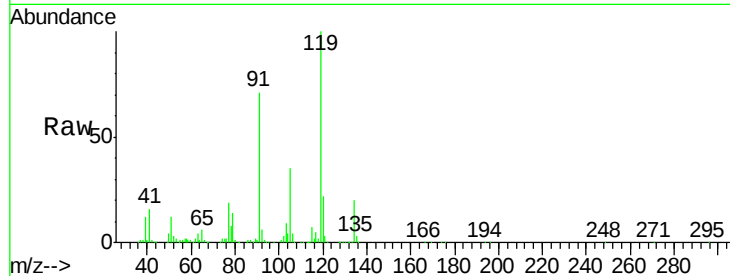
ClientSampleId :

VSTDIC001

Tot Ion:	119	Resp:	674401
Ion Ratio	Lower	Upper	
119	100		
91	80.8	61.9	92.9
134	20.3	16.2	24.4

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#66

Benzyl Chloride

Concen: 0.620 ppbv m

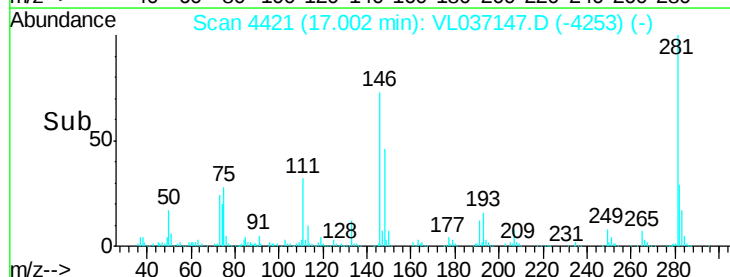
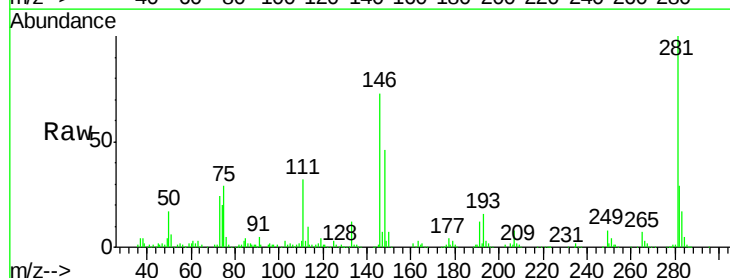
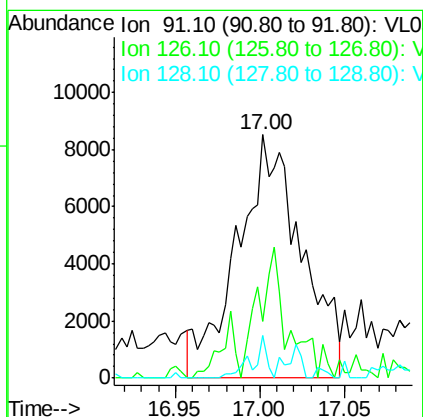
RT: 17.00 min Scan# 4421

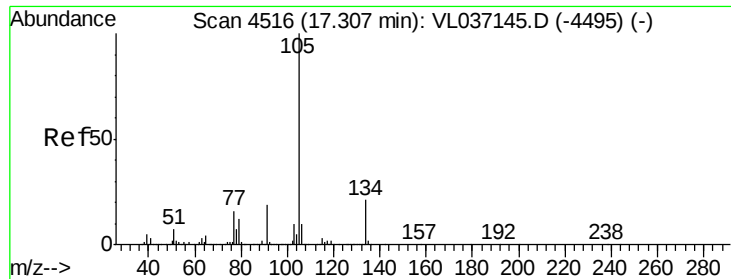
Delta R.T. 0.04 min

Lab File: VL037147.D

Acq: 14 Jun 2021 13:38

Tgt Ion:	91	Resp:	22436
Ion Ratio	Lower	Upper	
91	100		
126	0.0	16.5	24.7#
128	9.7	5.5	8.3#





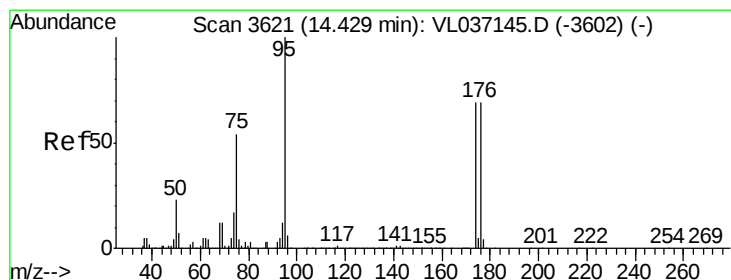
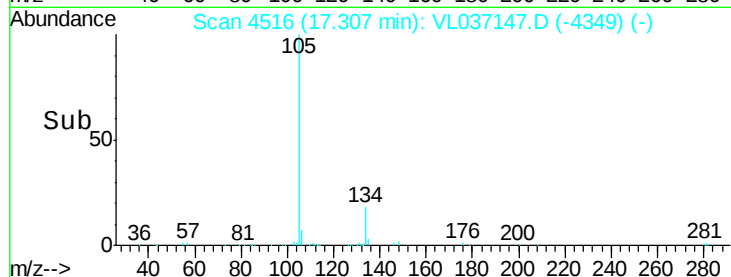
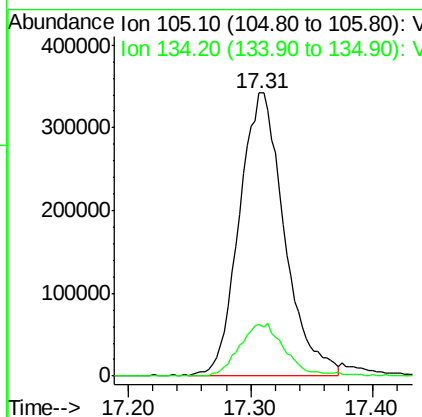
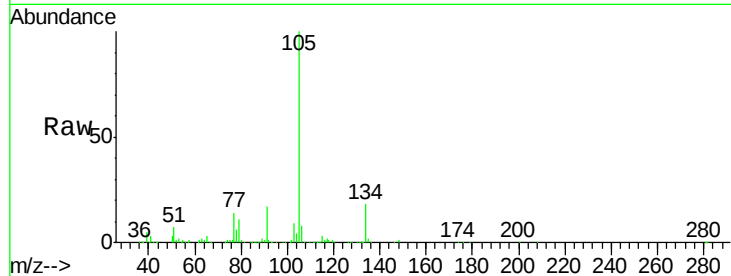
#67
 sec-Butylbenzene
 Concen: 0.979 ppbv
 RT: 17.31 min Scan# 4516
 Delta R.T. 0.04 min
 Lab File: VL037147.D
 Acq: 14 Jun 2021 13:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	15.6	23.4

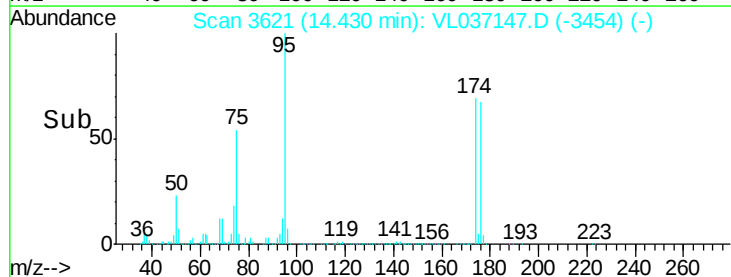
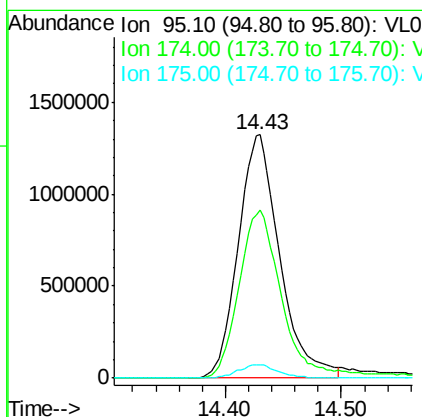
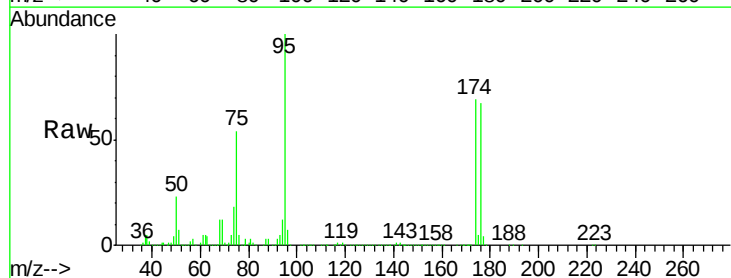
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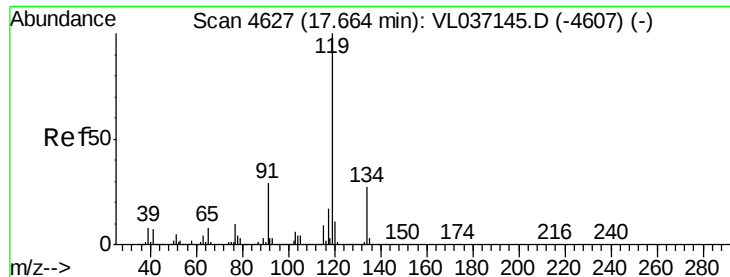
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.675 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. 0.04 min
 Lab File: VL037147.D
 Acq: 14 Jun 2021 13:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.1	58.4	87.6
175	5.6	4.4	6.6





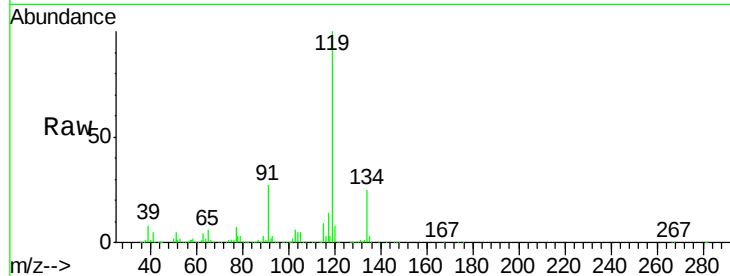
#69
p-Isopropyltoluene
Concen: 0.925 ppbv
RT: 17.67 min Scan# 4629
Delta R.T. 0.04 min
Lab File: VL037147.D
Acq: 14 Jun 2021 13:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

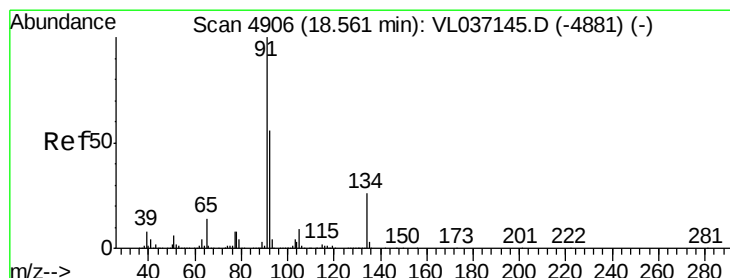
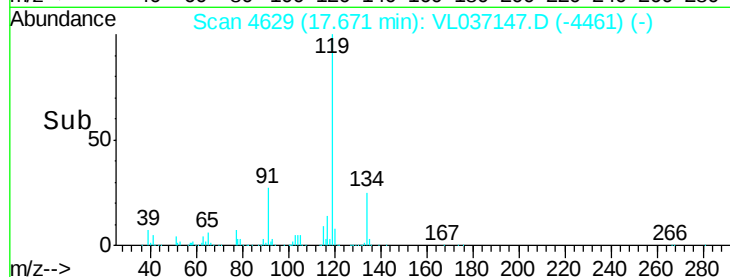
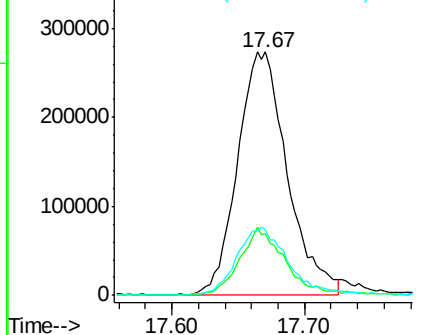
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	21.2	31.8
91	29.0	22.2	33.4

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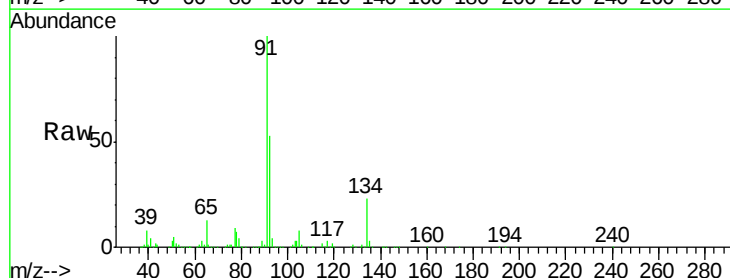


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

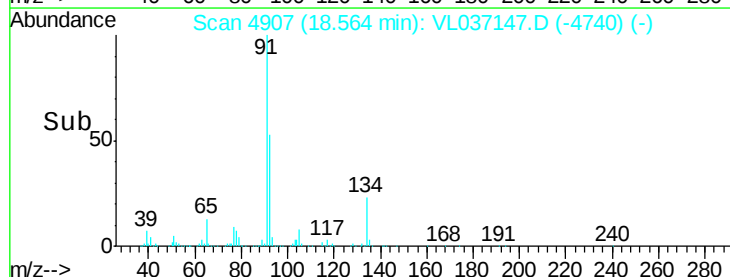
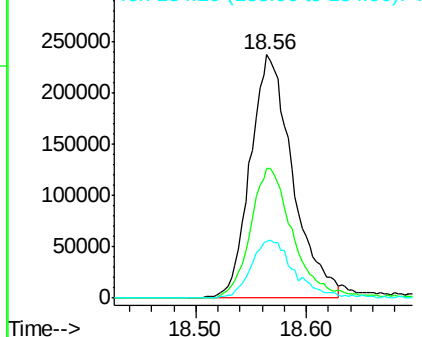


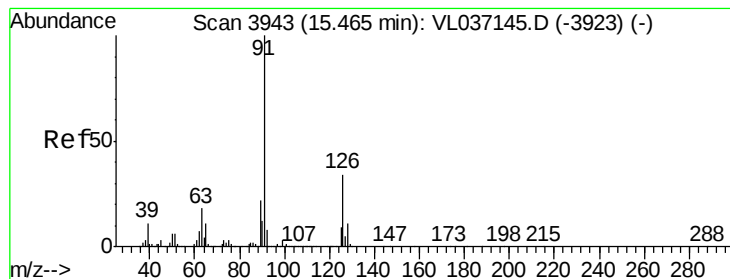
#70
n-Butylbenzene
Concen: 0.869 ppbv
RT: 18.56 min Scan# 4907
Delta R.T. 0.04 min
Lab File: VL037147.D
Acq: 14 Jun 2021 13:38

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.3	44.6	66.8
134	24.7	20.2	30.2



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





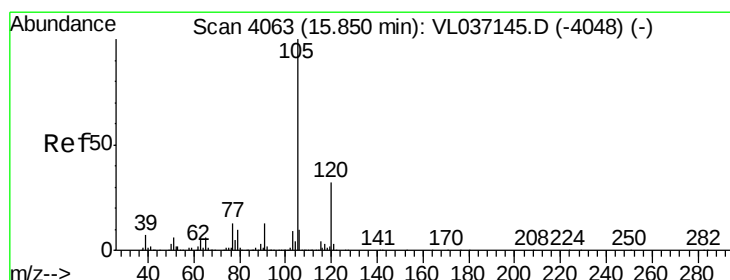
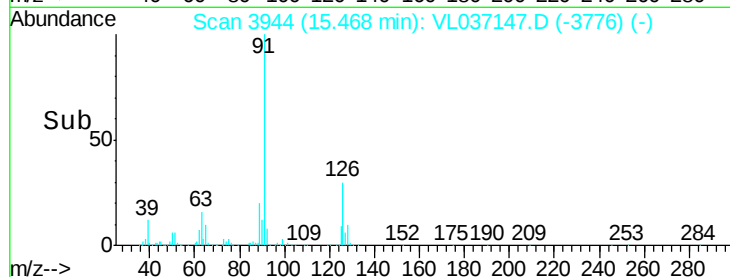
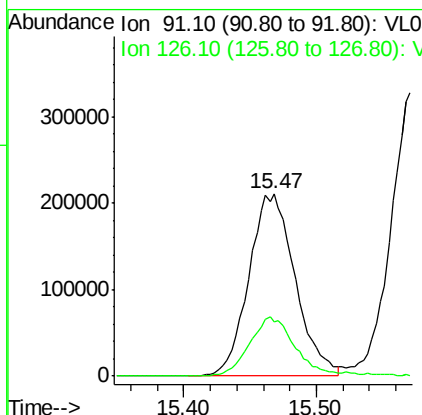
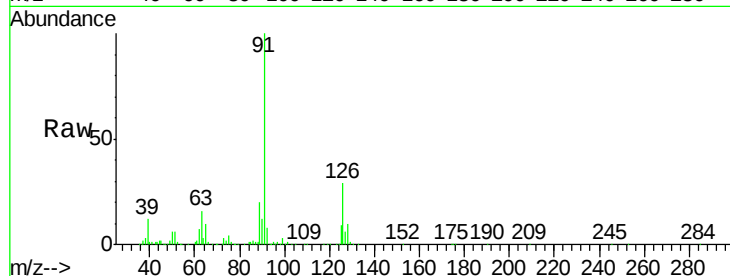
#71
 2-Chlorotoluene
 Concen: 0.984 ppbv
 RT: 15.47 min Scan# 3944
 Delta R.T. 0.04 min
 Lab File: VL037147.D
 Acq: 14 Jun 2021 13:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.0	13.1	52.5

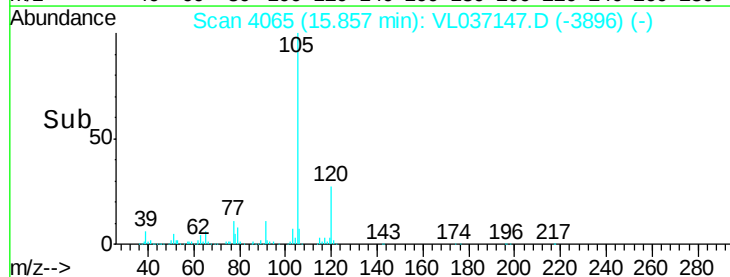
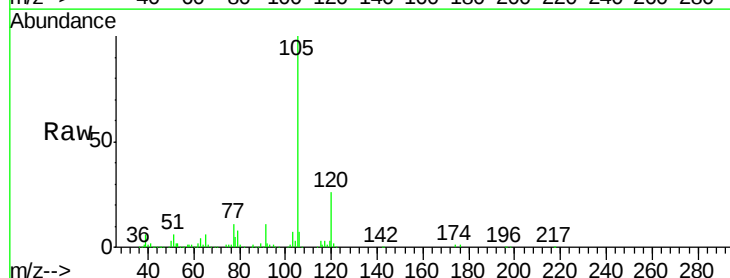
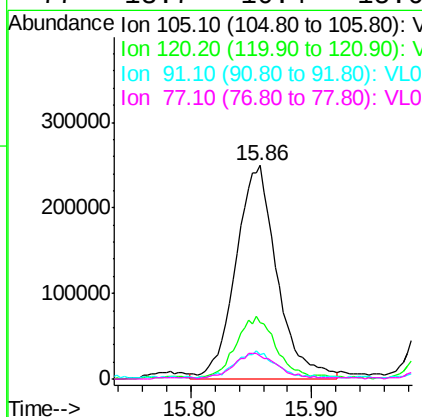
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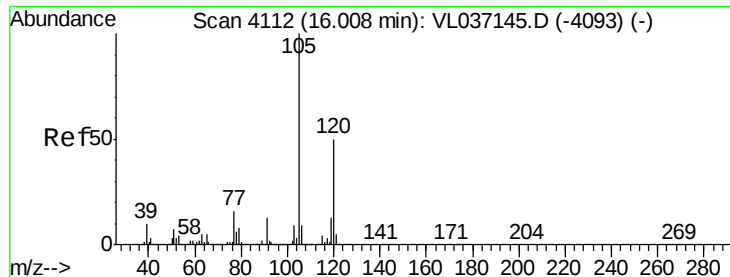
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#72
 4-Ethyltoluene
 Concen: 1.003 ppbv m
 RT: 15.86 min Scan# 4065
 Delta R.T. 0.04 min
 Lab File: VL037147.D
 Acq: 14 Jun 2021 13:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	29.3	24.6	37.0
91	12.0	9.8	14.6
77	13.7	10.4	15.6





#73

1,3,5-Trimethylbenzene

Concen: 1.003 ppbv m

RT: 16.01 min Scan# 4112

Delta R.T. 0.04 min

Lab File: VL037147.D

Acq: 14 Jun 2021 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 561694

Ion Ratio Lower Upper

105 100

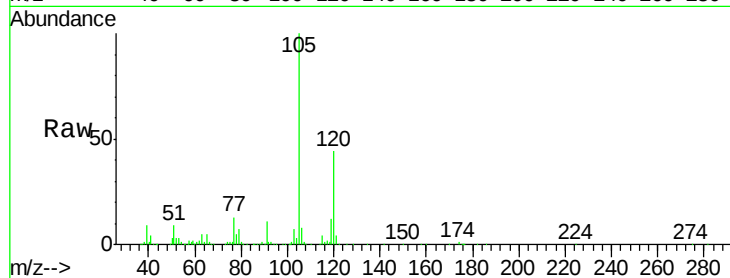
120 44.5 38.6 58.0

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.01

250000

200000

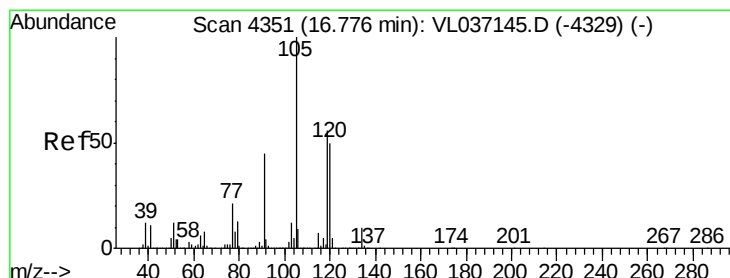
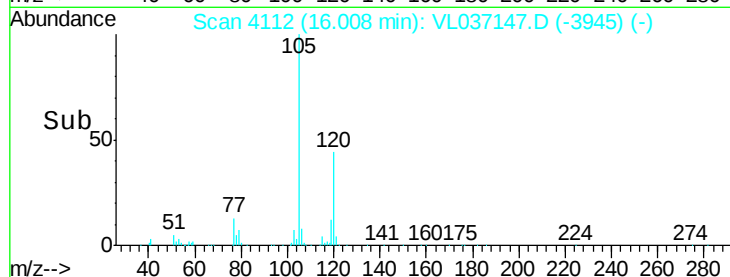
150000

100000

50000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 0.987 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. 0.04 min

Lab File: VL037147.D

Acq: 14 Jun 2021 13:38

Tgt Ion:105 Resp: 571383

Ion Ratio Lower Upper

105 100

120 46.0 40.6 61.0

91 46.2 37.4 56.0

77 20.4 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

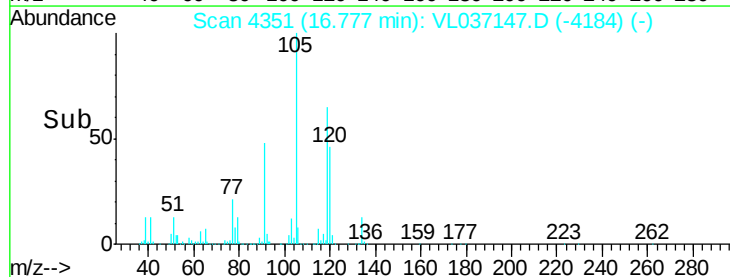
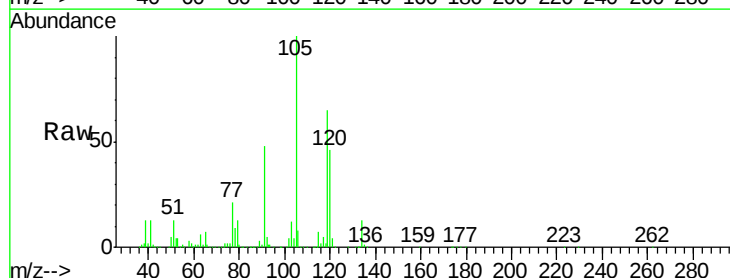
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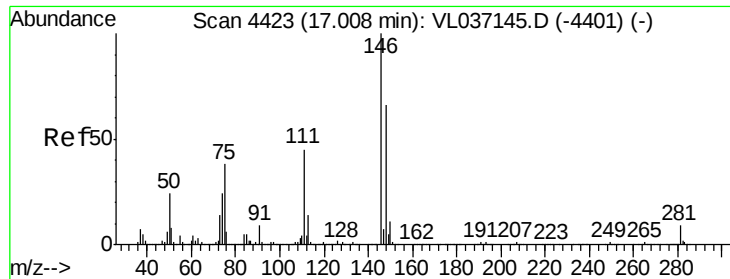
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Time-->





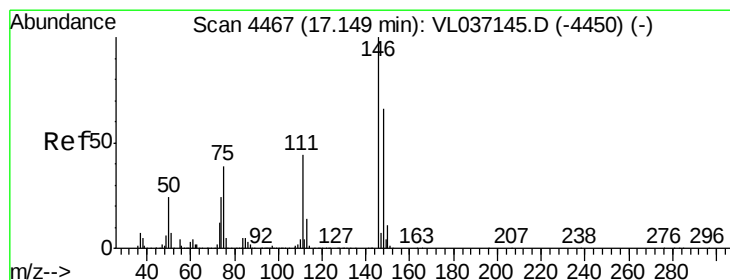
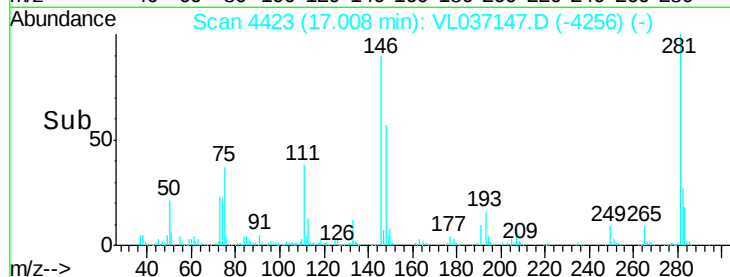
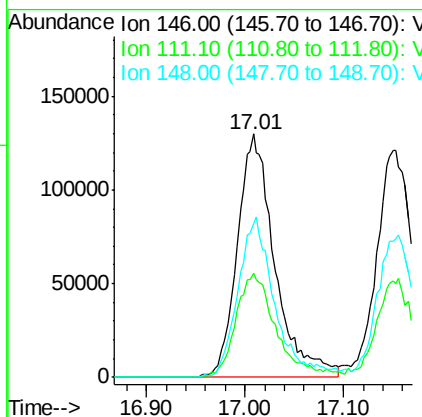
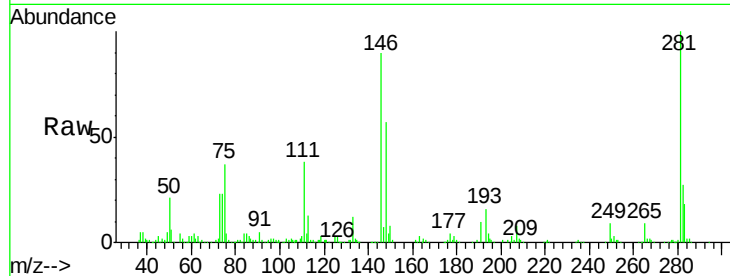
#75
 1,3-Dichlorobenzene
 Concen: 0.971 ppbv m
 RT: 17.01 min Scan# 4423
 Delta R.T. 0.04 min
 Lab File: VL037147.D
 Acq: 14 Jun 2021 13:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.0	22.2	66.6
148	65.4	32.3	96.8

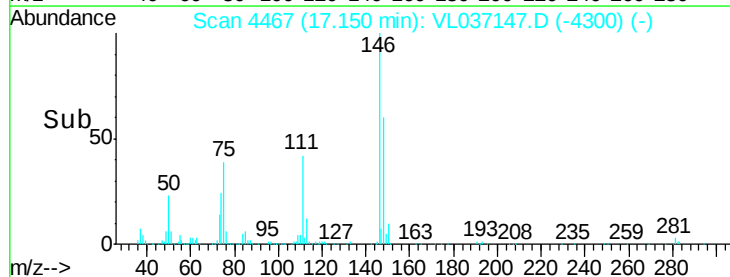
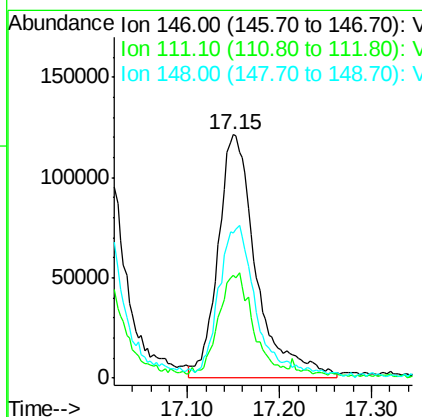
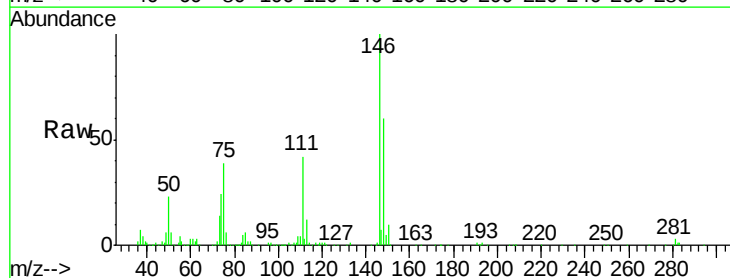
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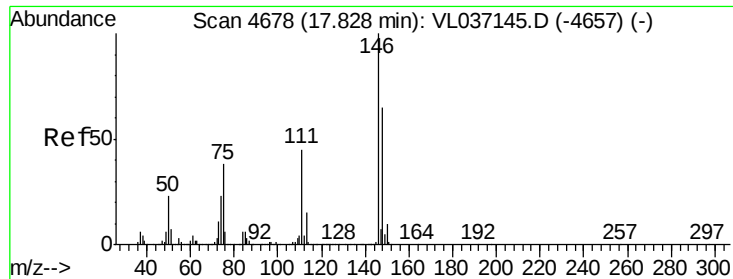
MMDadoda
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#76
 1,4-Dichlorobenzene
 Concen: 0.982 ppbv m
 RT: 17.15 min Scan# 4467
 Delta R.T. 0.04 min
 Lab File: VL037147.D
 Acq: 14 Jun 2021 13:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.1	22.6	67.7
148	63.4	33.5	100.5





#77

1,2-Dichlorobenzene

Concen: 0.952 ppbv m

RT: 17.83 min Scan# 4680

Delta R.T. 0.04 min

Lab File: VL037147.D

Acq: 14 Jun 2021 13:38

Instrument :

MSVOA_L

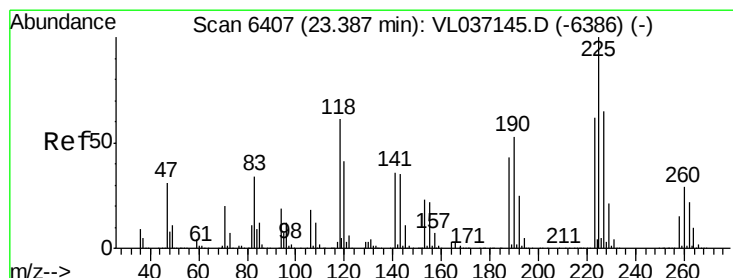
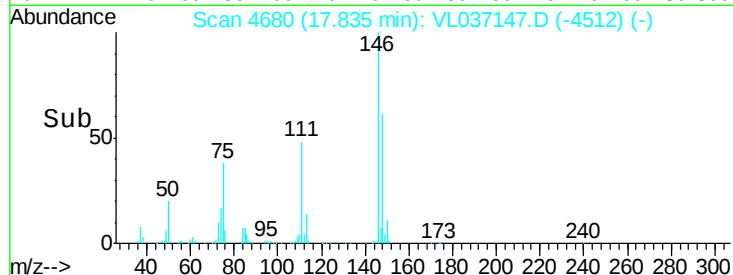
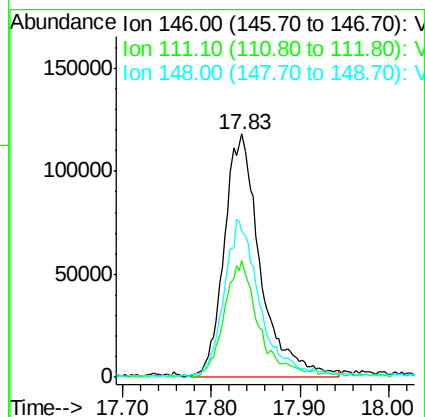
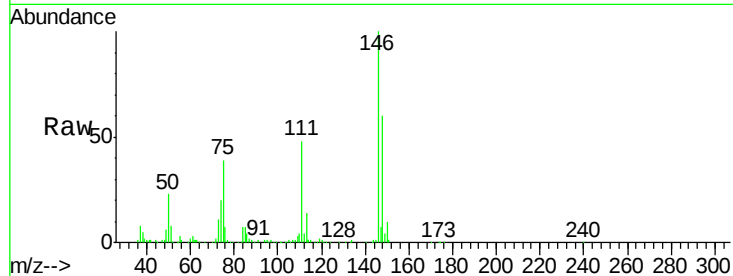
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	337237
Ion Ratio	Lower	Upper	
146	100		
111	46.2	23.1	69.2
148	0.0	32.5	97.4#

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#78

Hexachloro-1,3-Butadiene

Concen: 0.890 ppbv m

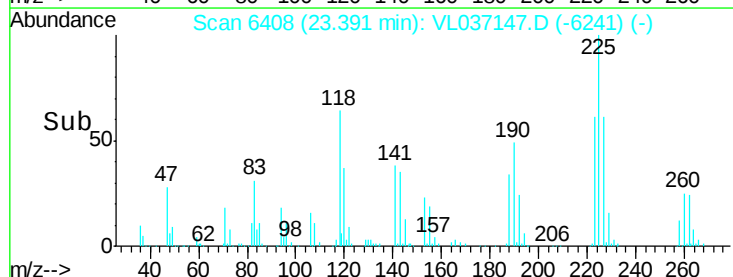
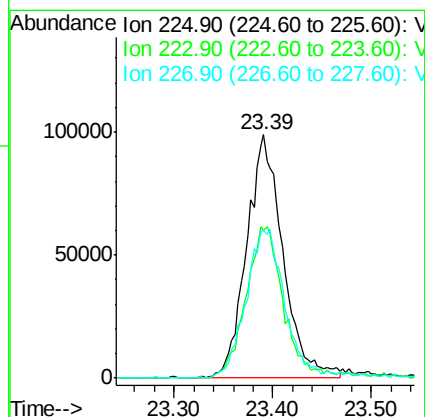
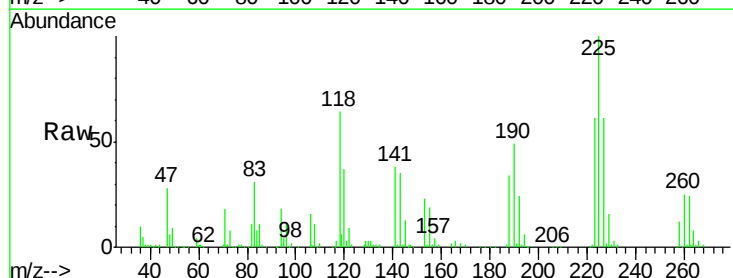
RT: 23.39 min Scan# 6408

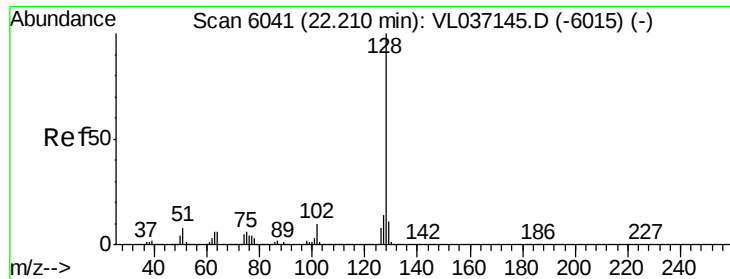
Delta R.T. 0.04 min

Lab File: VL037147.D

Acq: 14 Jun 2021 13:38

Tgt Ion:	225	Resp:	253597
Ion Ratio	Lower	Upper	
225	100		
223	63.8	51.9	77.9
227	66.9	51.8	77.6





#79

Naphthalene

Concen: 0.576 ppbv m

RT: 22.23 min Scan# 6046

Delta R.T. 0.06 min

Lab File: VL037147.D

Acq: 14 Jun 2021 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:128 Resp: 261837

Ion Ratio Lower Upper

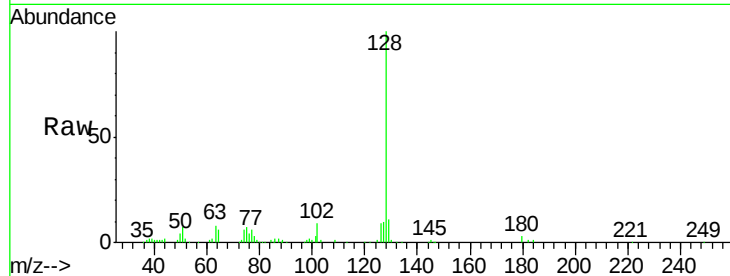
128 100

127 10.2 10.4 15.6#

129 11.2 9.0 13.6

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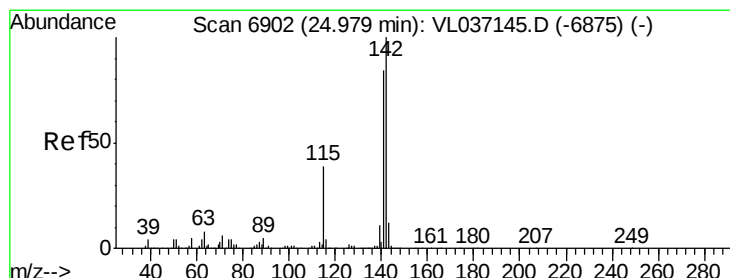
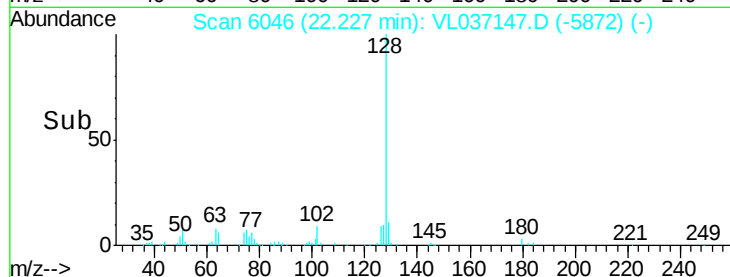
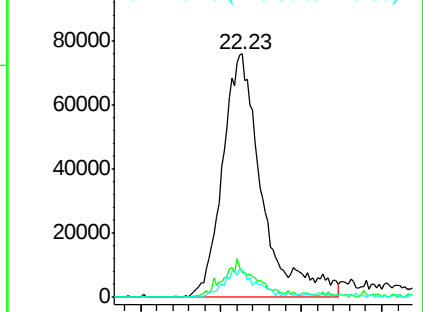
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Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.353 ppbv m

RT: 25.01 min Scan# 6913

Delta R.T. 0.05 min

Lab File: VL037147.D

Acq: 14 Jun 2021 13:38

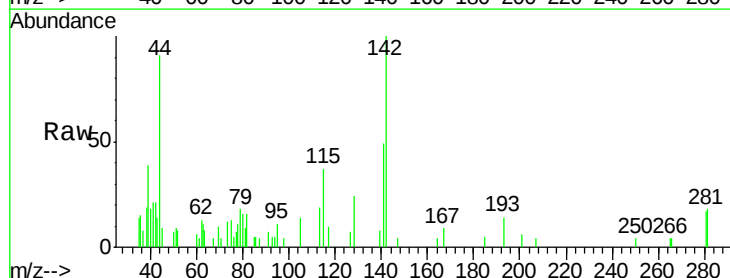
Tgt Ion:142 Resp: 34904

Ion Ratio Lower Upper

142 100

141 20.9 69.3 103.9#

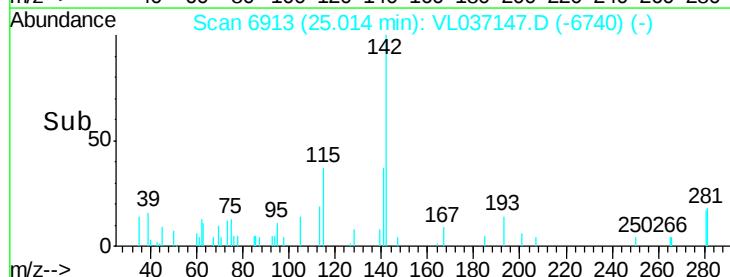
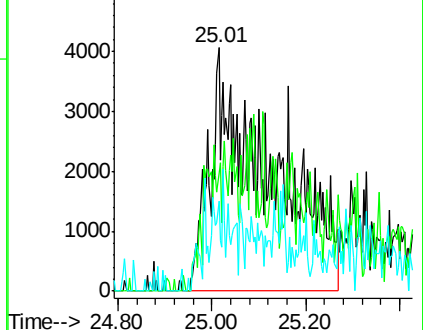
115 8.9 29.1 43.7#

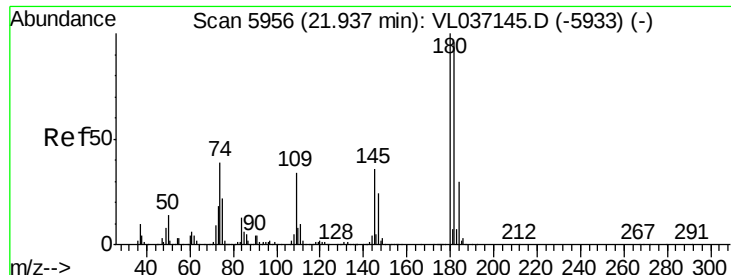


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





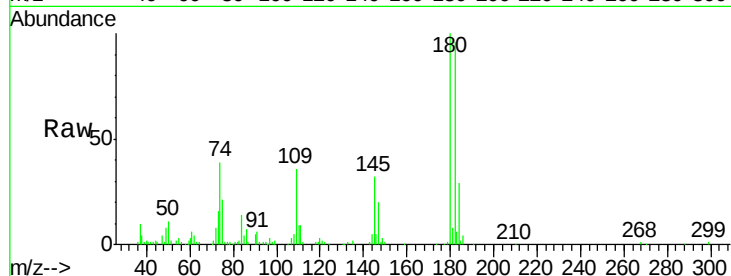
#81
 1,2,4-Trichlorobenzene
 Concen: 0.681 ppbv m
 RT: 21.94 min Scan# 5958
 Delta R.T. 0.04 min
 Lab File: VL037147.D
 Acq: 14 Jun 2021 13:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
180	100	188762		
182	0.0	81.7	122.5#	
184	29.6	24.9	37.3	

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Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

