

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
 Data File : VL036985.D
 Acq On : 19 May 2021 9:29
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:01:04 PM

Quant Time: May 20 06:41:12 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1284981	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3999663	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3826730m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2928910	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1872958	8.592	ppbv	99
3) Chlorodifluoromethane	2.97	51	2315979	9.838	ppbv	99
4) Chloromethane	3.12	50	818479	10.217	ppbv	96
5) Vinyl Chloride	3.24	62	855127	9.766	ppbv	99
6) Bromomethane	3.46	94	459142	9.951	ppbv	97
7) Chloroethane	3.54	64	304713	10.717	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	2019855	9.869	ppbv	98
9) Propene	2.99	41	828442	9.828	ppbv	99
10) Heptane	8.10	43	2051027	9.763	ppbv	99
11) Trichlorofluoromethane	3.93	101	2068518	10.252	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1447013	10.068	ppbv	99
13) Ethanol	3.59	45	93568m	8.319	ppbv	
14) Bromoethene	3.72	108	641503	10.134	ppbv	99
15) Acetone	3.83	43	1078533	8.194	ppbv	96
16) 1,3-Butadiene	3.31	39	830313	10.154	ppbv	98
17) tert-Butyl alcohol	4.27	59	1226707	10.175	ppbv	99
18) 1,1-Dichloroethene	4.27	96	661388	9.952	ppbv	96
19) Isopropyl Alcohol	3.95	45	740405	10.465	ppbv	96
20) Methylene Chloride	4.32	84	544709	7.721	ppbv	97
21) Allyl Chloride	4.39	41	977753	9.847	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	654800	10.281	ppbv	97
23) Vinyl Acetate	5.05	43	1832706	8.773	ppbv #	99
24) 1,1-Dichloroethane	4.99	63	1415004	9.410	ppbv	99
25) Ethyl Acetate	5.65	43	2958825	9.355	ppbv	100
26) Hexane	5.66	57	1468400	9.088	ppbv	99
27) Carbon Disulfide	4.53	76	1585110	9.734	ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	1752026	9.047	ppbv	100
29) Chloroform	5.73	83	2218998	9.721	ppbv	99
30) Cyclohexane	7.10	84	1335922	9.730	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1423860	9.829	ppbv	98
32) 1,1,1-Trichloroethane	6.49	97	2341213	9.552	ppbv	99
34) 2-Butanone	5.22	43	1362878	9.358	ppbv	99
35) Carbon Tetrachloride	6.99	117	2425927	9.129	ppbv	98
36) Benzene	6.86	78	3204485	9.301	ppbv	99
37) 1,2-Dichloroethane	6.28	62	1648530	9.652	ppbv	99
38) Trichloroethene	7.81	130	1302807	8.840	ppbv	97
39) 1,2-Dichloropropane	7.59	63	1248263	9.406	ppbv	98
40) 1,4-Dioxane	7.82	88	289880	9.251	ppbv #	100
41) Tetrahydrofuran	6.02	42	718398	8.661	ppbv	97
42) Bromodichloromethane	7.77	83	2476190	9.583	ppbv	98
43) Methyl Methacrylate	7.99	69	1163934	9.802	ppbv	100

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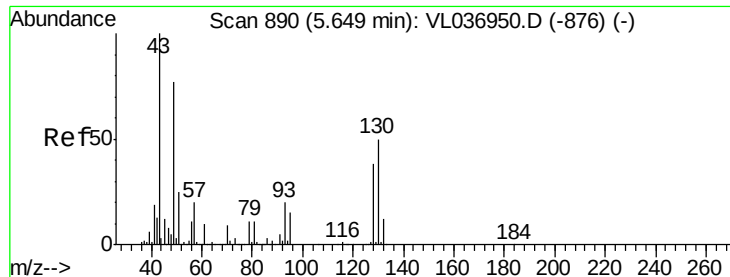
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	5259736	8.899	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	883884	9.743	ppbv	97
46) cis-1,3-Dichloropropene	8.67	75	1178579	9.659	ppbv	97
47) 1,1,2-Trichloroethane	9.45	97	1333265	9.599	ppbv	98
48) Dibromochloromethane	10.28	129	2258741	10.043	ppbv	99
49) Bromoform	13.01	173	1888401	10.167	ppbv	100
50) 4-Methyl-2-Pentanone	8.72	43	2280265	9.488	ppbv	100
51) 2-Hexanone	10.11	43	1227019	9.658	ppbv #	100
52) Tetrachloroethene	11.19	164	1268524	9.260	ppbv	97
53) Toluene	9.78	91	3786968	9.238	ppbv	100
54) 1,2-Dibromoethane	10.58	107	1955720	9.903	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1531361	9.511	ppbv	97
57) Chlorobenzene	12.12	112	2822674	9.513	ppbv	97
58) Ethyl Benzene	12.68	91	4985910	9.231	ppbv	98
59) m/p-Xylene	12.97	91	8209177m	18.388	ppbv	
60) o-Xylene	13.66	91	3881835	9.117	ppbv	100
61) Styrene	13.50	104	2387226	9.952	ppbv	100
62) Isopropylbenzene	14.64	105	5543437	9.059	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	2703816	8.503	ppbv	100
64) n-propylbenzene	15.54	120	1534737	9.721	ppbv	99
65) tert-Butylbenzene	16.72	119	5036819	9.122	ppbv	99
66) Benzyl Chloride	16.96	91	215189	7.024	ppbv	100
67) sec-Butylbenzene	17.27	105	6881590	9.136	ppbv	99
69) p-Isopropyltoluene	17.63	119	6009126	9.278	ppbv	100
70) n-Butylbenzene	18.52	91	5882234	9.561	ppbv	100
71) 2-Chlorotoluene	15.43	91	4122295	9.327	ppbv	98
72) 4-Ethyltoluene	15.81	105	4887554	9.671	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4406513	9.285	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	4585807	9.346	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	2895643	9.664	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2844085	9.388	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	2827874	9.419	ppbv	100
78) Hexachloro-1,3-Butadiene	23.35	225	2058630	8.527	ppbv	100
79) Naphthalene	22.16	128	4340061	11.273	ppbv	100
80) Naphthalene, 2-methyl-	24.95	142	1248597	14.914	ppbv	95
81) 1,2,4-Trichlorobenzene	21.90	180	2448935	10.434	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1284981

Ion Ratio Lower Upper

49 100

128 56.2 26.9 80.7

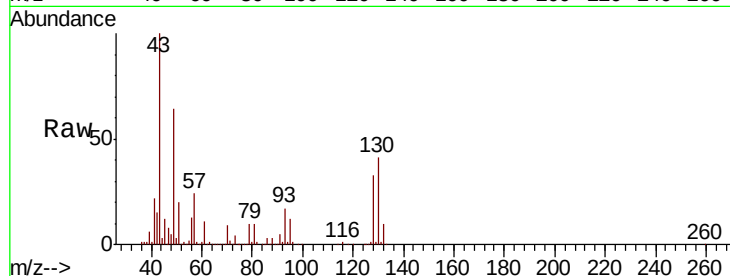
130 69.4 33.8 101.4

Manual Integrations

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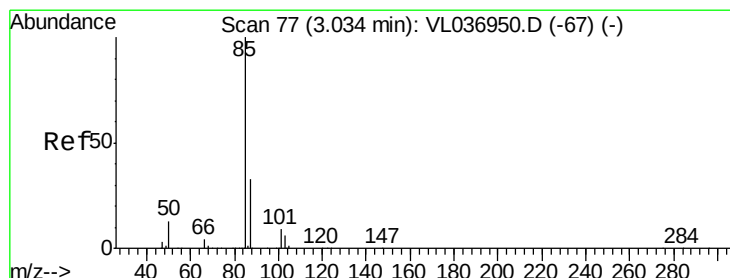
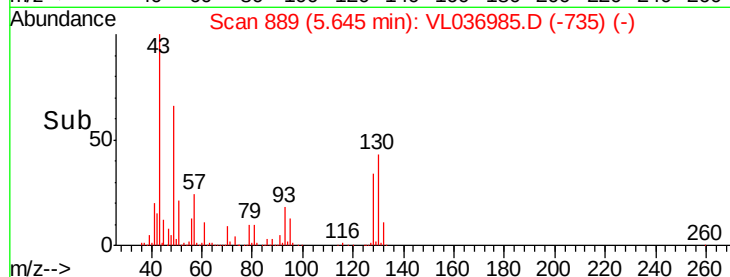
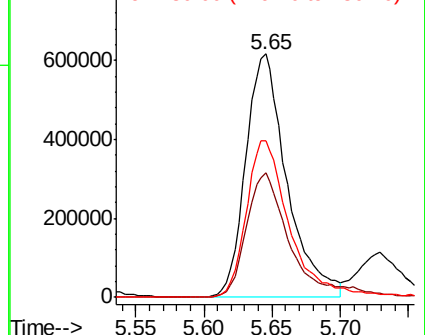
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.592 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL036985.D

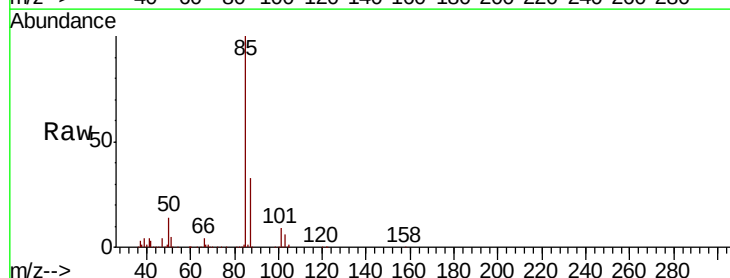
Acq: 19 May 2021 9:29

Tgt Ion: 85 Resp: 1872958

Ion Ratio Lower Upper

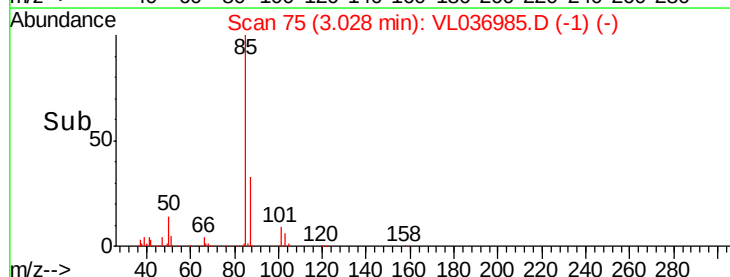
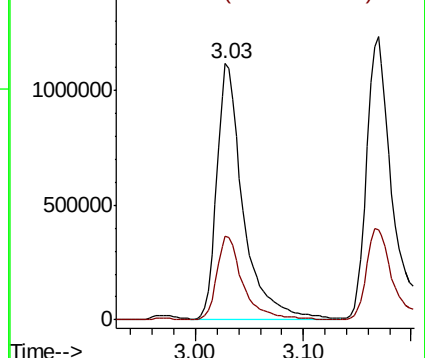
85 100

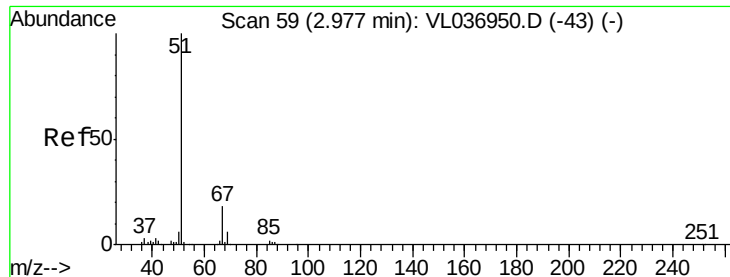
87 32.7 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.838 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 2315979

Ion Ratio Lower Upper

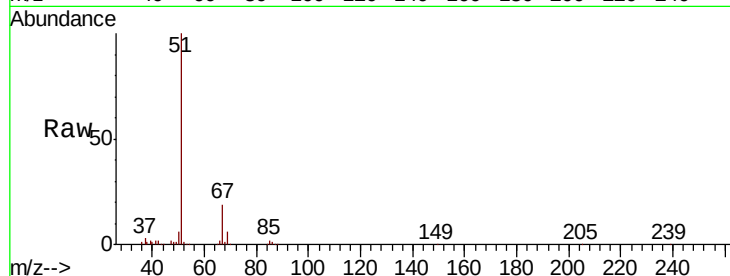
51 100

67 18.5 14.6 21.8

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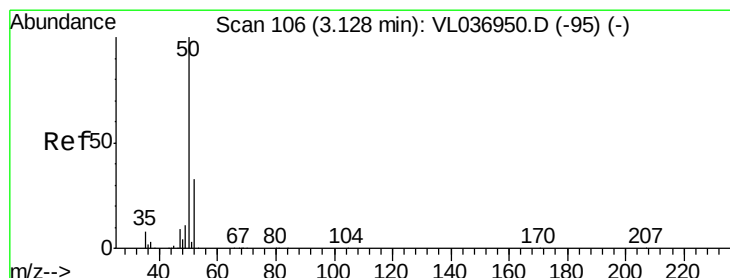
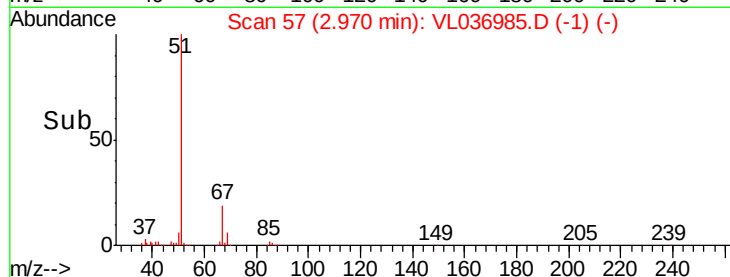
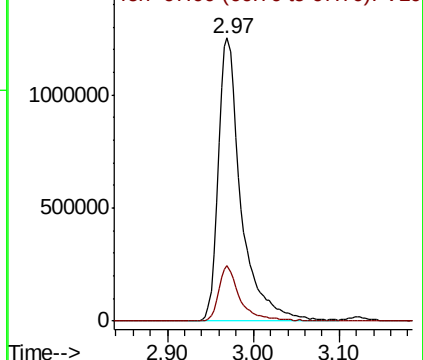
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.217 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL036985.D

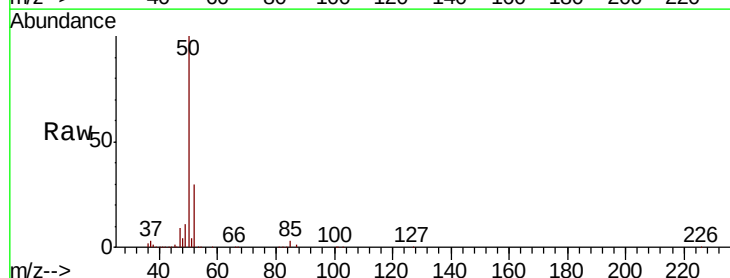
Acq: 19 May 2021 9:29

Tgt Ion: 50 Resp: 818479

Ion Ratio Lower Upper

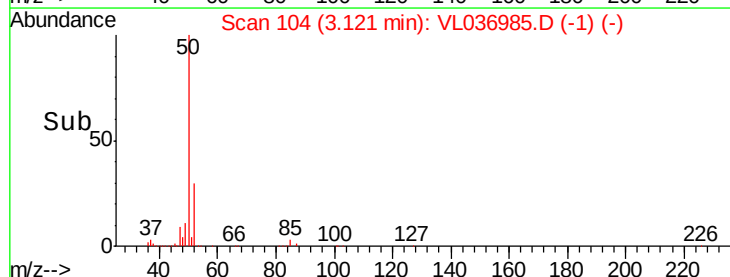
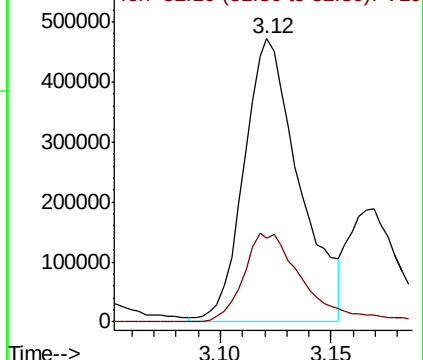
50 100

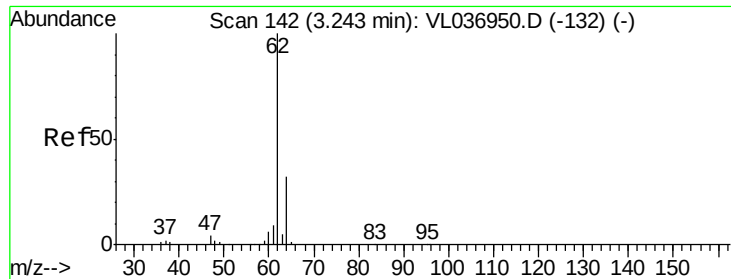
52 30.1 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.766 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 855127

Ion Ratio Lower Upper

62 100

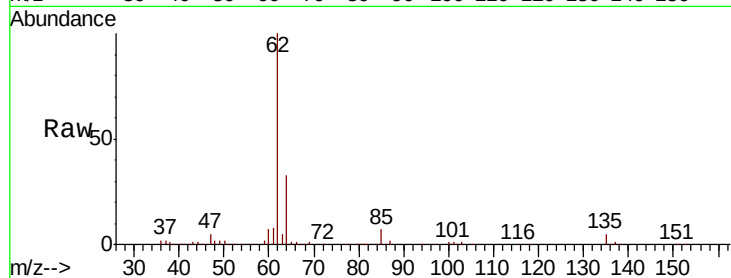
64 32.8 25.9 38.9

Manual Integrations

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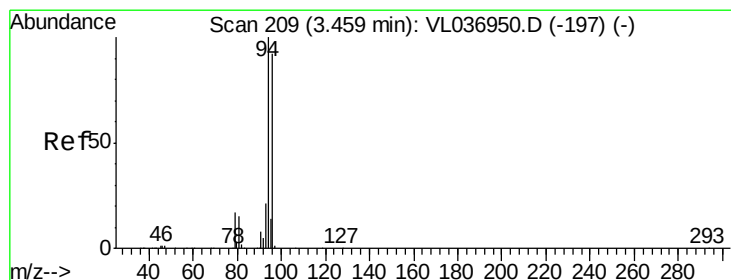
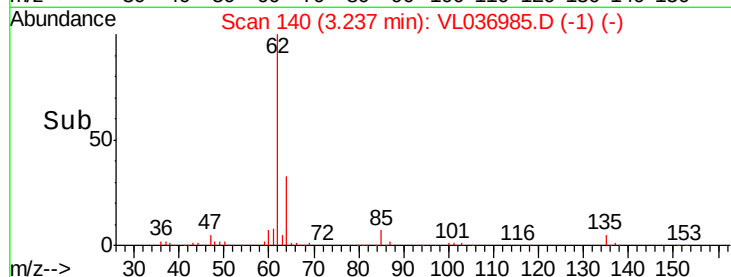
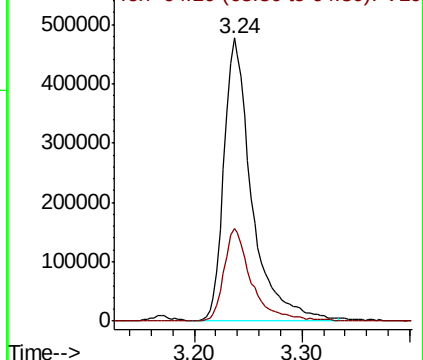
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.951 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.00 min

Lab File: VL036985.D

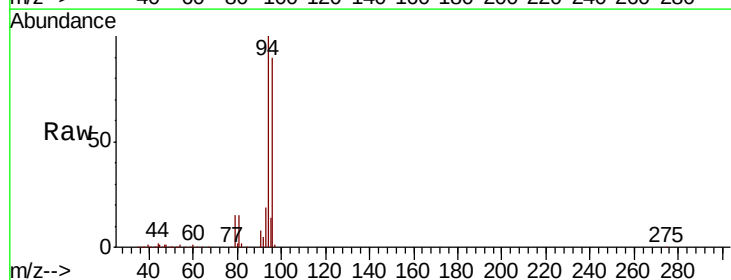
Acq: 19 May 2021 9:29

Tgt Ion: 94 Resp: 459142

Ion Ratio Lower Upper

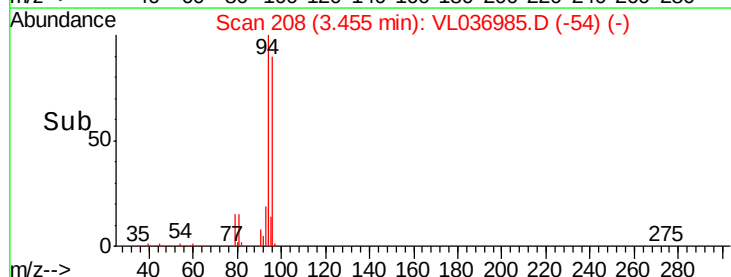
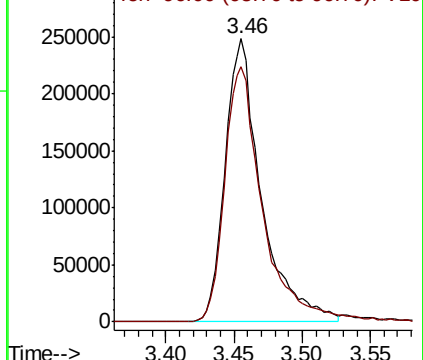
94 100

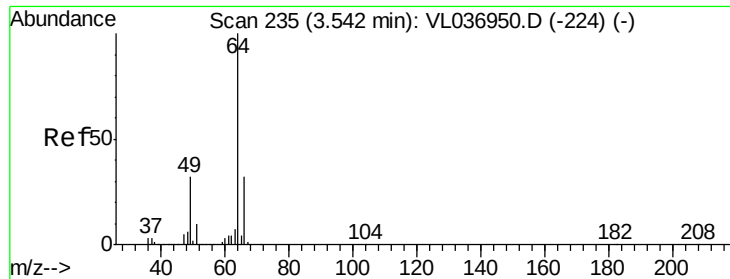
96 89.9 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.717 ppbv

RT: 3.54 min Scan# 233

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 304713

Ion Ratio Lower Upper

64 100

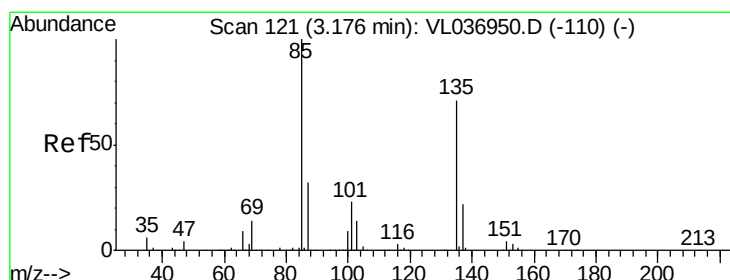
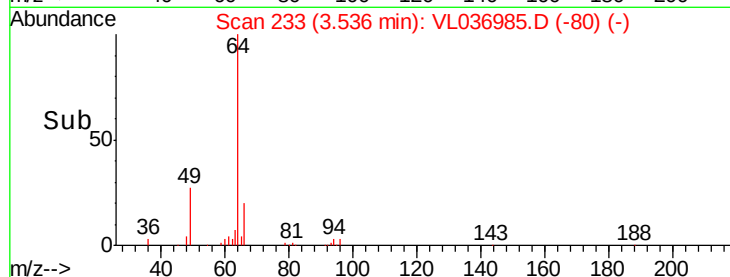
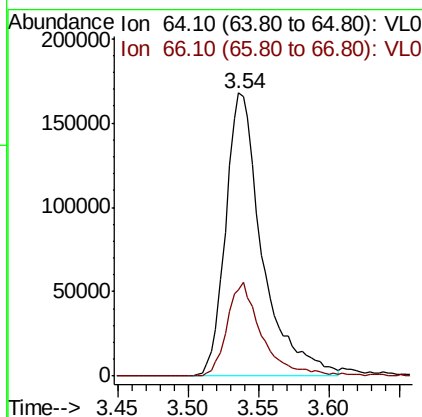
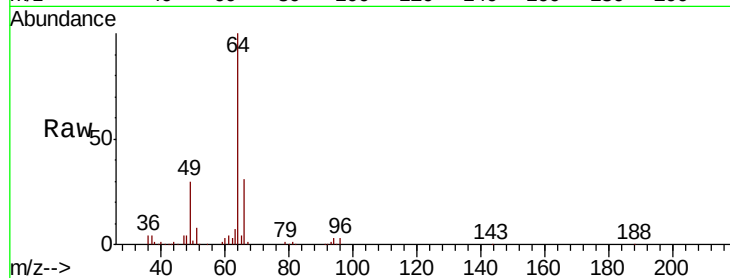
66 30.6 25.4 38.2

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.869 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL036985.D

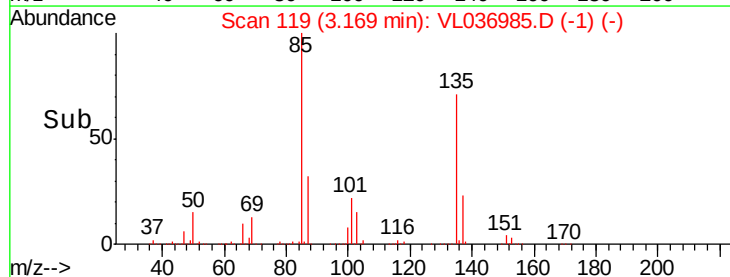
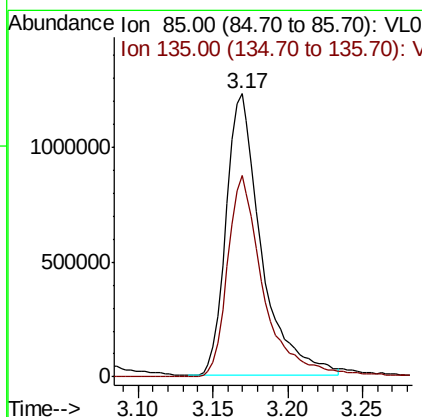
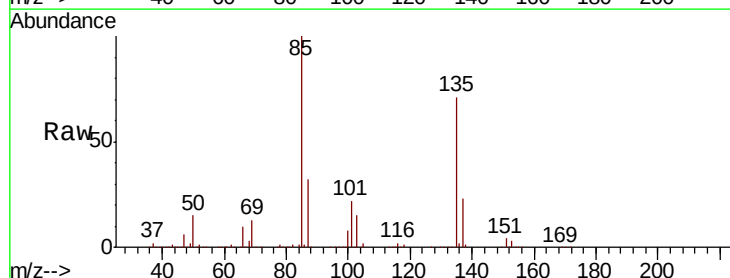
Acq: 19 May 2021 9:29

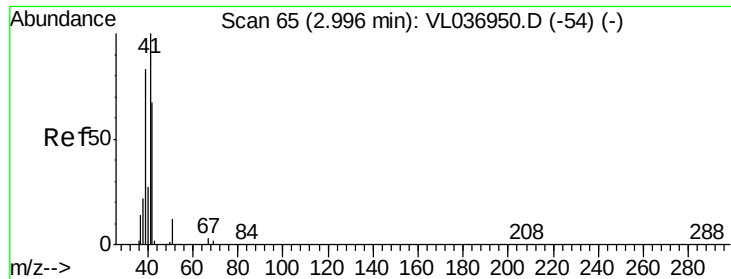
Tgt Ion: 85 Resp: 2019855

Ion Ratio Lower Upper

85 100

135 74.1 57.7 86.5





#9

Propene

Concen: 9.828 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 828442

Ion Ratio Lower Upper

41 100

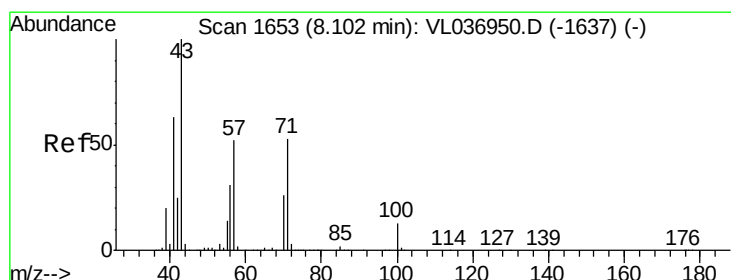
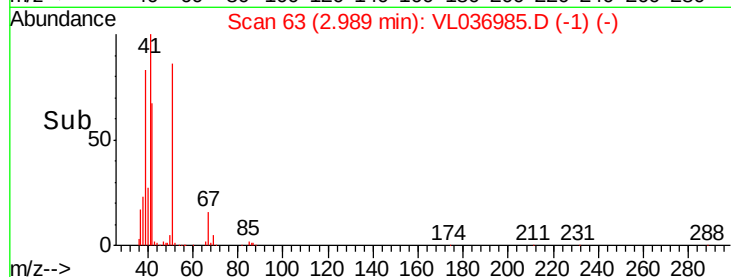
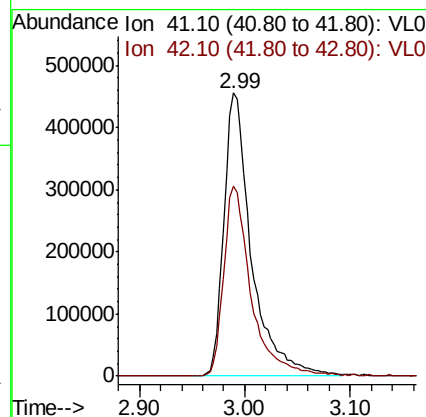
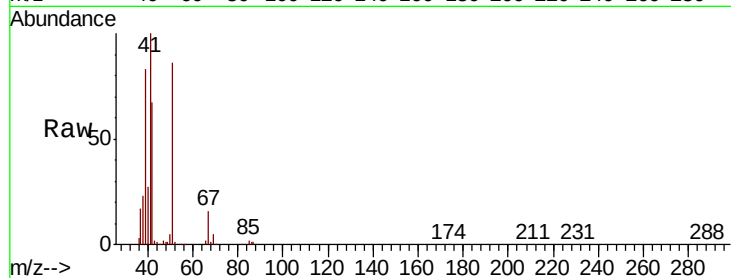
42 67.0 53.9 80.9

Manual Integrations

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#10

Heptane

Concen: 9.763 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL036985.D

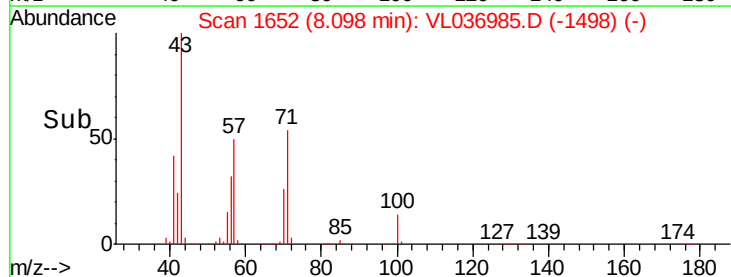
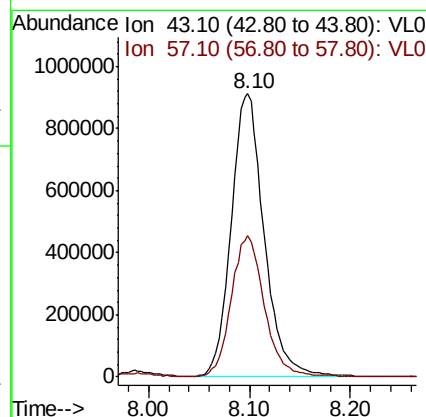
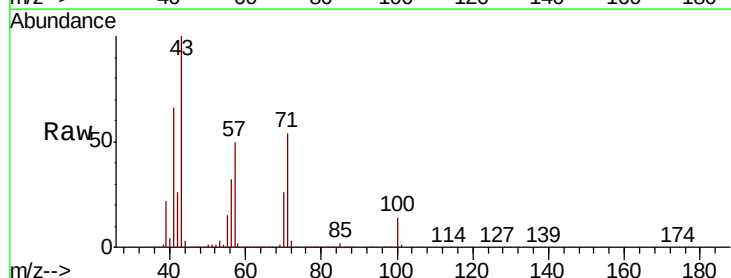
Acq: 19 May 2021 9:29

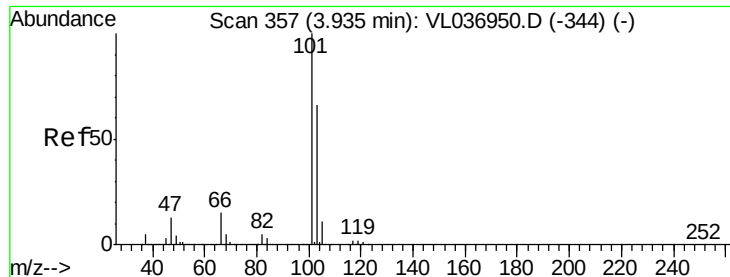
Tgt Ion: 43 Resp: 2051027

Ion Ratio Lower Upper

43 100

57 50.6 41.0 61.6





#11

Trichlorofluoromethane

Concen: 10.252 ppbv

RT: 3.93 min Scan# 355

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:101 Resp: 2068518

Ion Ratio Lower Upper

101 100

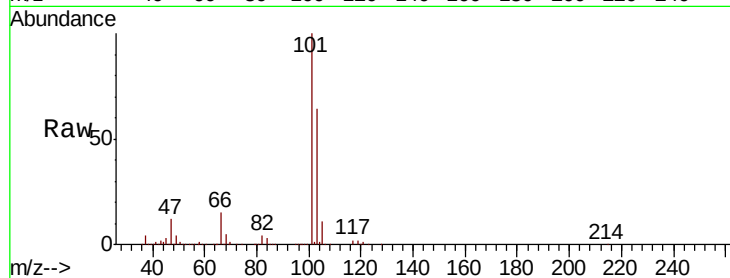
103 64.4 52.6 79.0

Manual Integrations

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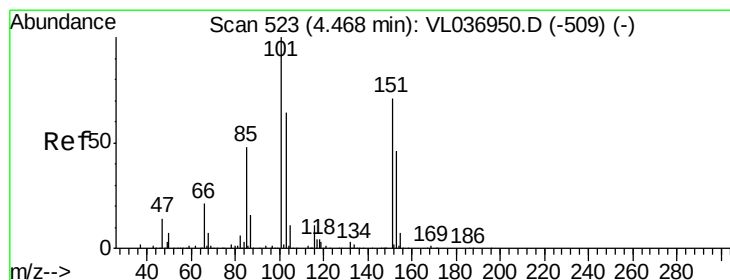
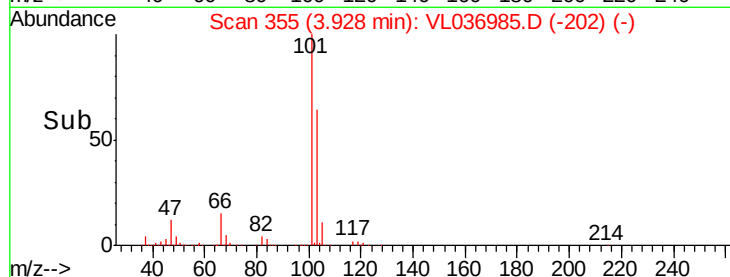
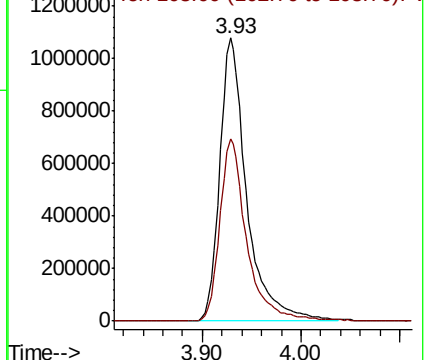
MMDadoda

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.068 ppbv

RT: 4.46 min Scan# 521

Delta R.T. -0.01 min

Lab File: VL036985.D

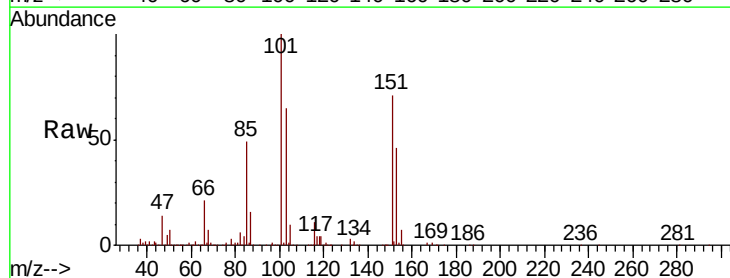
Acq: 19 May 2021 9:29

Tgt Ion:101 Resp: 1447013

Ion Ratio Lower Upper

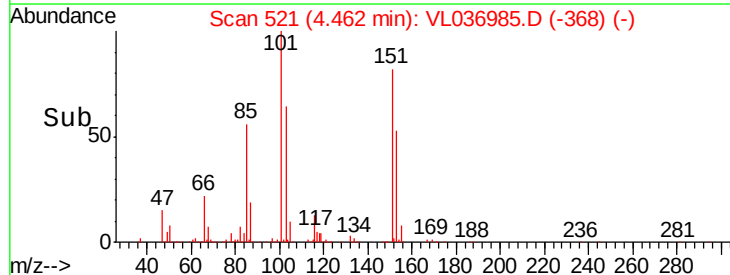
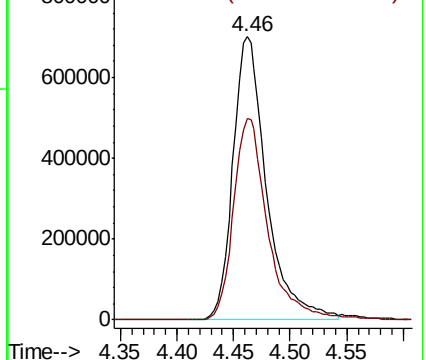
101 100

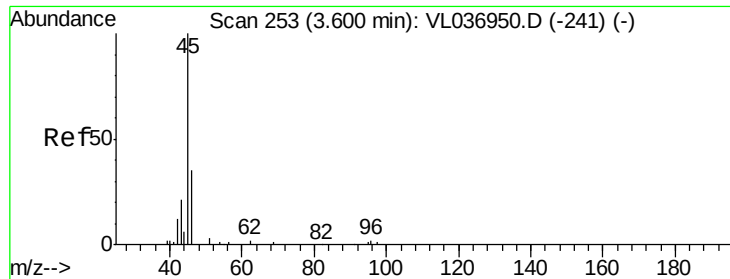
151 73.3 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 8.319 ppbv m

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 93568

Ion Ratio Lower Upper

45 100

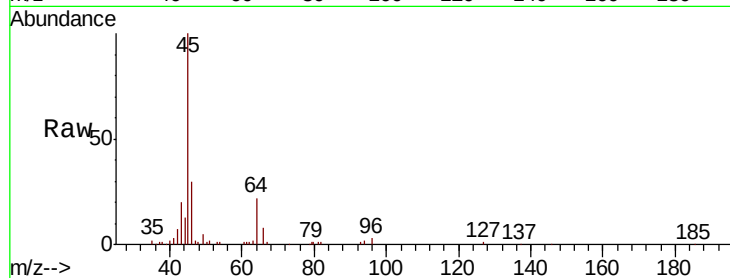
46 43.8 16.3 65.3

Manual Integrations

APPROVED

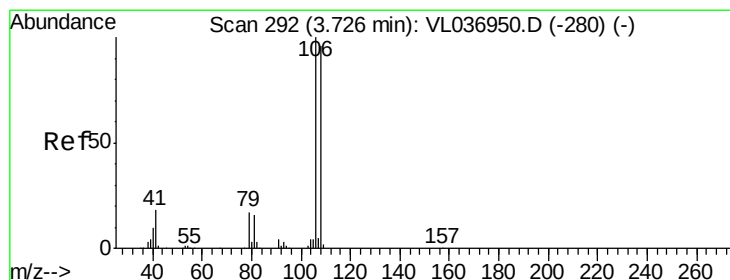
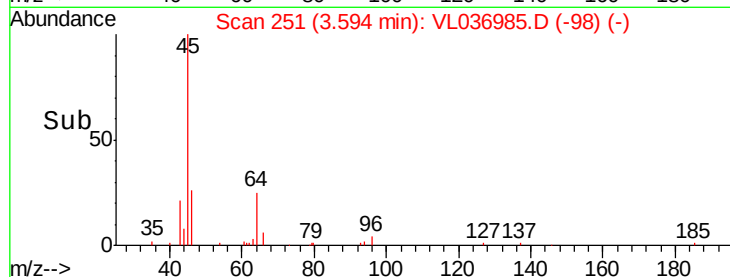
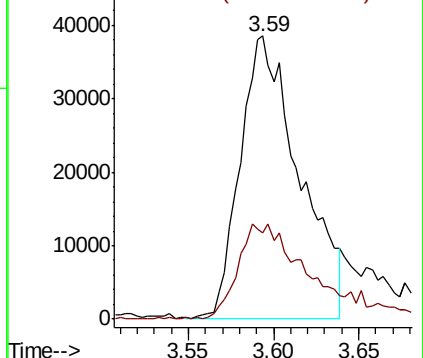
MMDadoda

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 10.134 ppbv

RT: 3.72 min Scan# 290

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

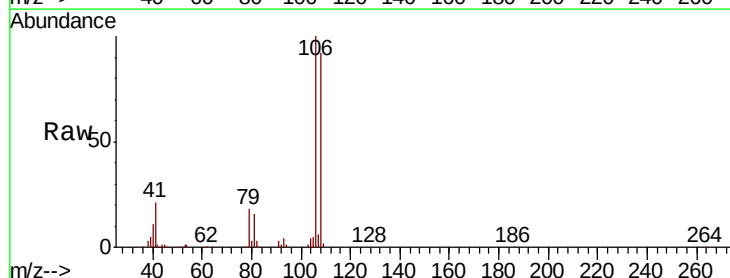
Tgt Ion: 108 Resp: 641503

Ion Ratio Lower Upper

108 100

106 107.3 86.5 129.7

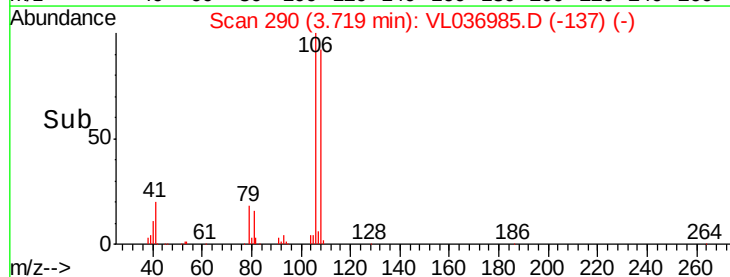
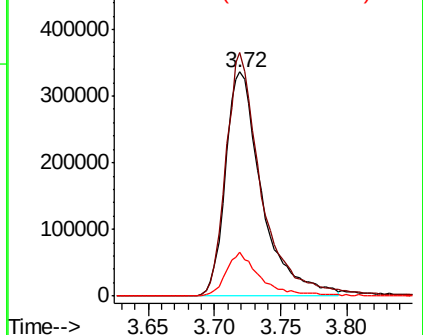
79 18.9 15.0 22.4

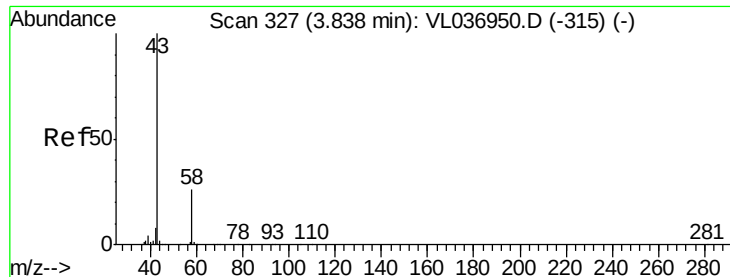


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





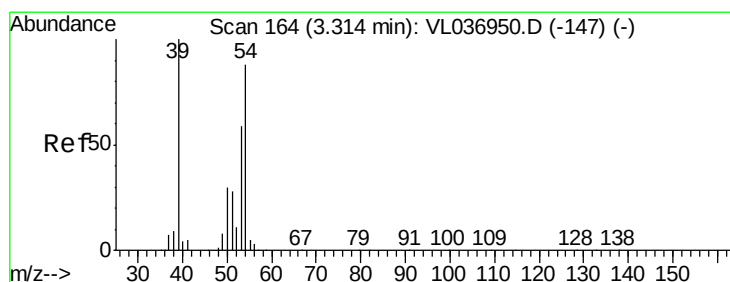
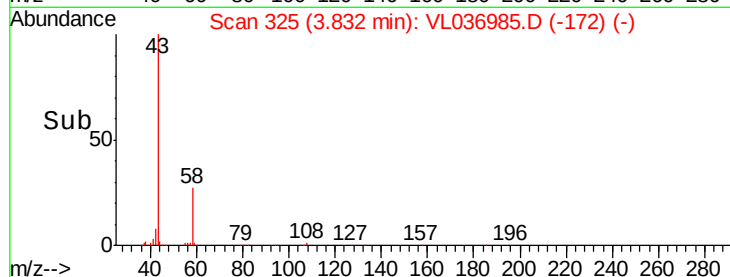
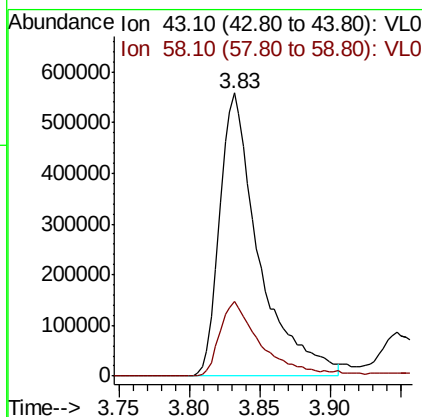
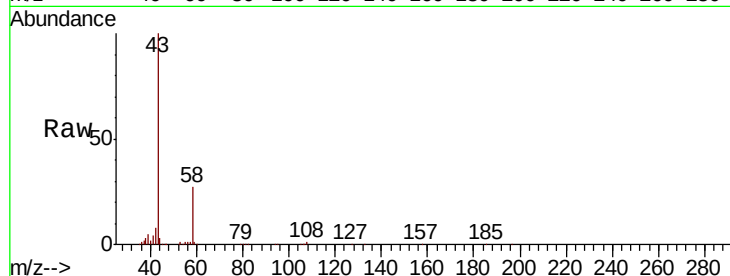
#15
Acetone
Concen: 8.194 ppbv
RT: 3.83 min Scan# 325
Delta R.T. -0.01 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1078533
Ion Ratio Lower Upper
43 100
58 28.0 24.0 36.0

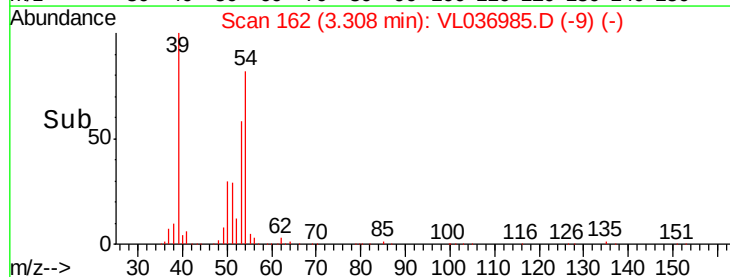
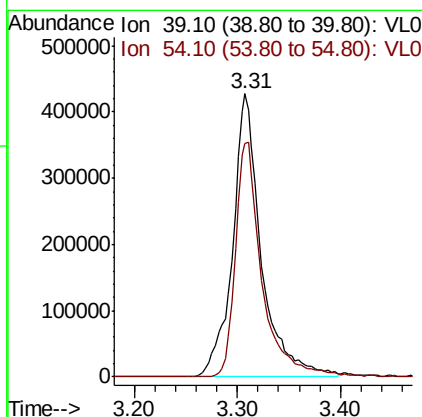
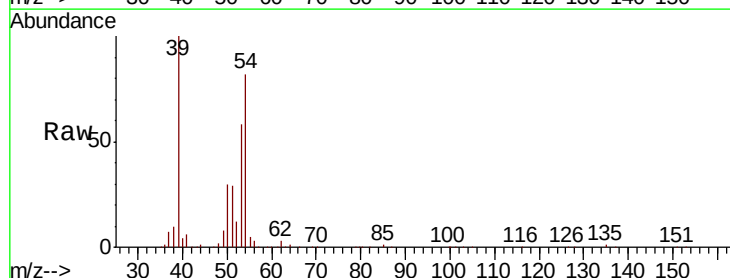
Manual Integrations
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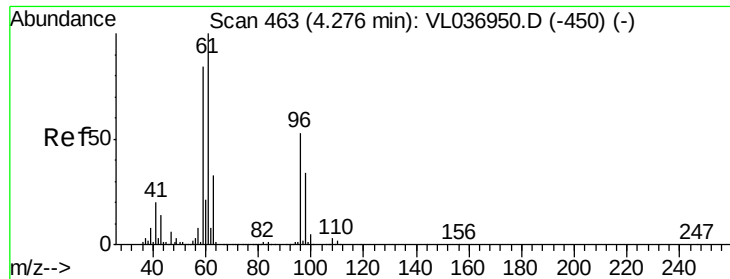
MMDadoda
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#16
1,3-Butadiene
Concen: 10.154 ppbv
RT: 3.31 min Scan# 162
Delta R.T. -0.01 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Tgt Ion: 39 Resp: 830313
Ion Ratio Lower Upper
39 100
54 77.3 63.2 94.8





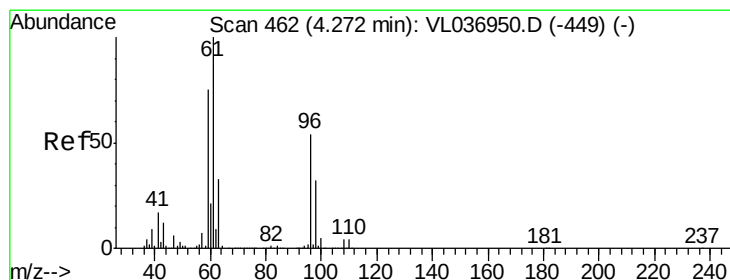
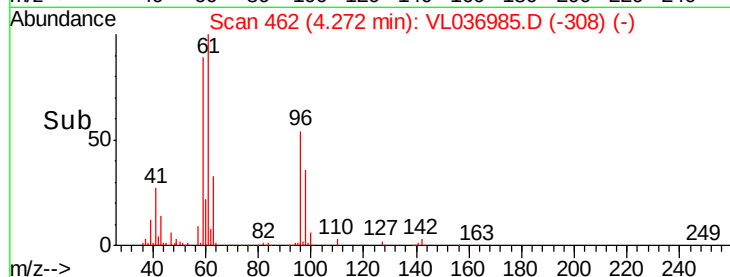
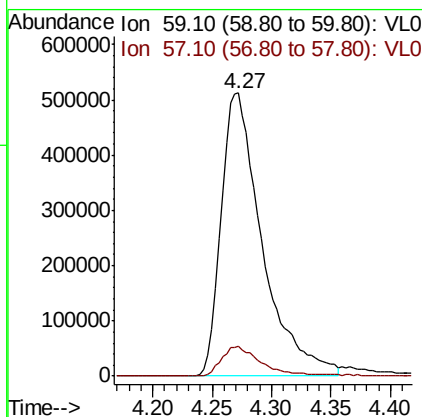
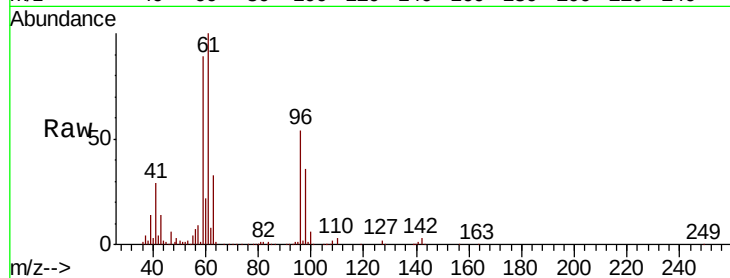
#17
 tert-Butyl alcohol
 Concen: 10.175 ppbv
 RT: 4.27 min Scan# 462
 Delta R.T. -0.00 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 59 Resp: 1226707
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.3 12.5

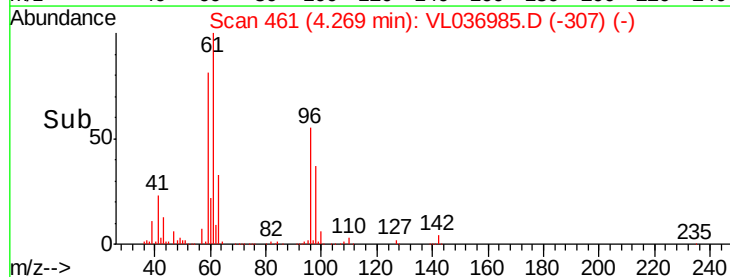
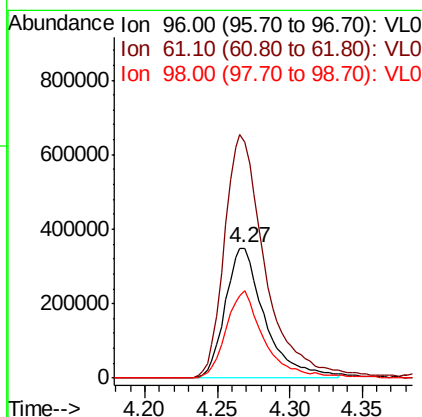
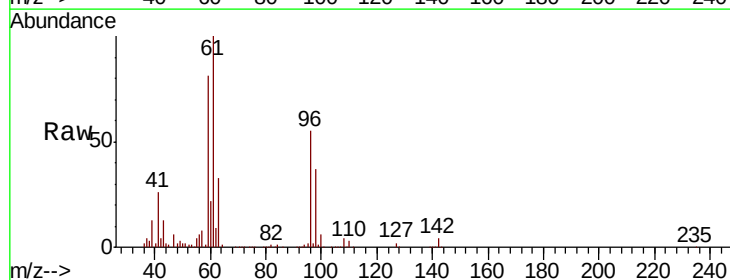
Manual Integrations
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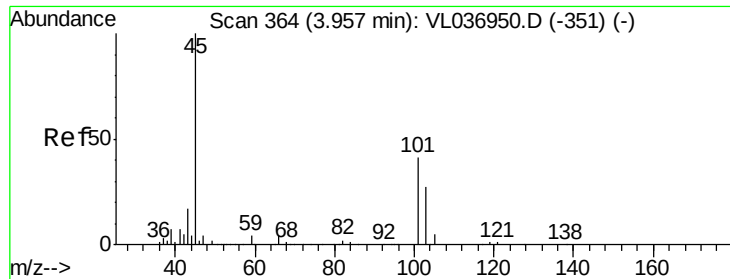
MMDadoda
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#18
 1,1-Dichloroethene
 Concen: 9.952 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. -0.00 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Tgt Ion: 96 Resp: 661388
 Ion Ratio Lower Upper
 96 100
 61 181.6 148.2 222.4
 98 66.8 47.8 71.6





#19

Isopropyl Alcohol

Concen: 10.465 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 740405

Ion Ratio Lower Upper

45 100

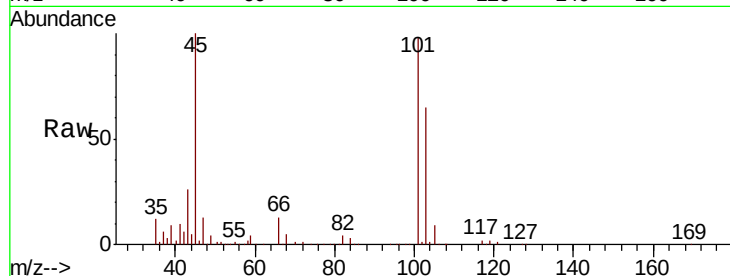
58 44.1 37.2 55.8

Manual Integrations

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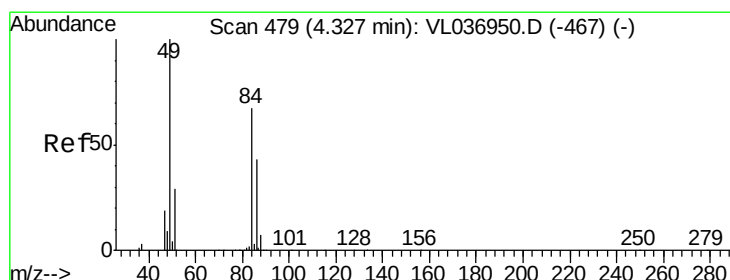
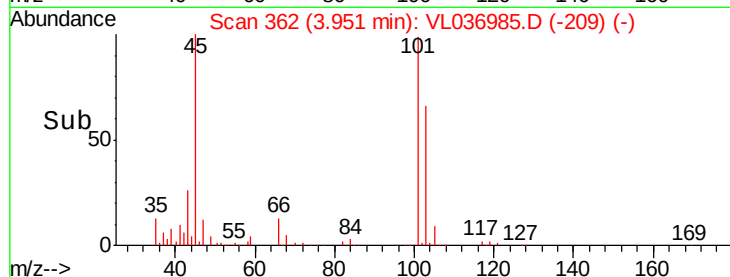
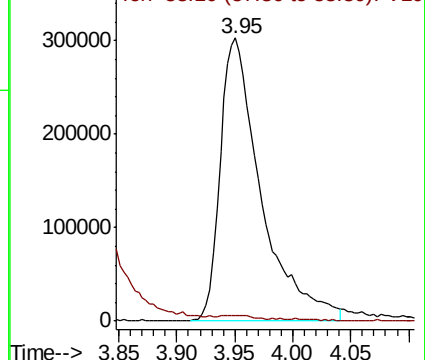
MMDadoda

5/24/2021 3:01:04 PM



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 7.721 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Tgt Ion: 84 Resp: 544709

Ion Ratio Lower Upper

84 100

49 154.3 119.8 179.6

51 46.1 35.1 52.7

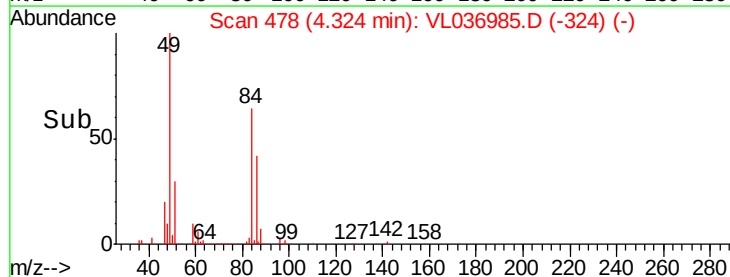
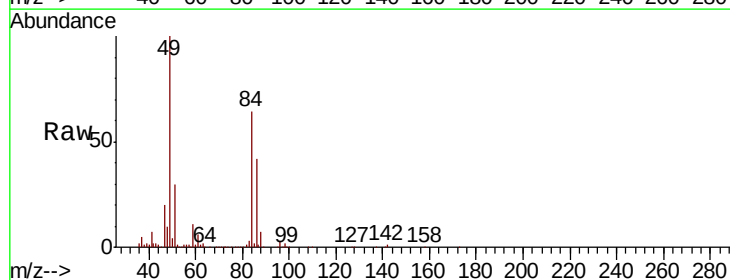
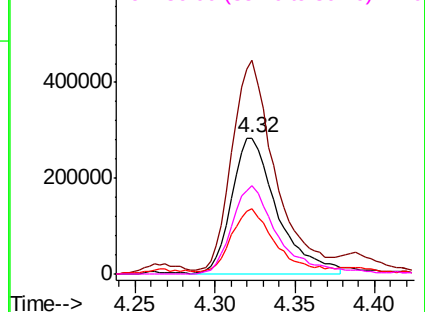
86 65.4 50.9 76.3

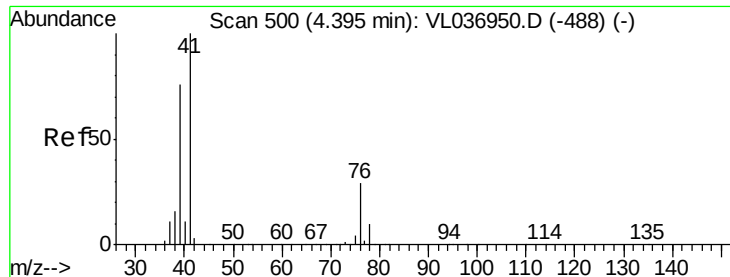
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





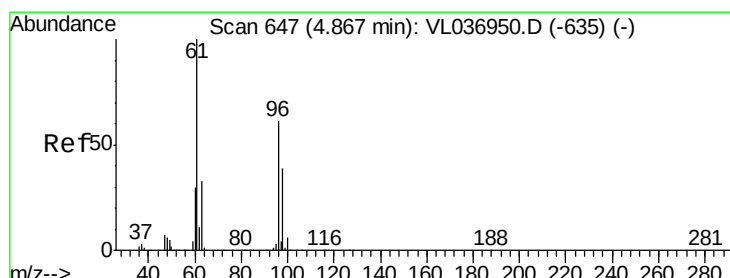
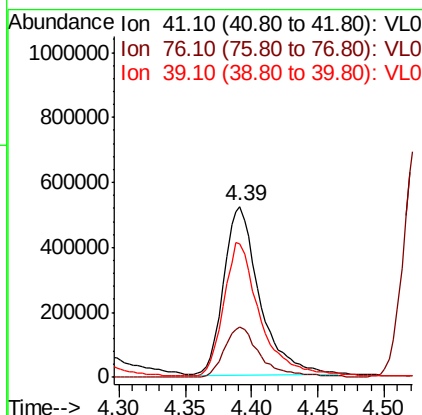
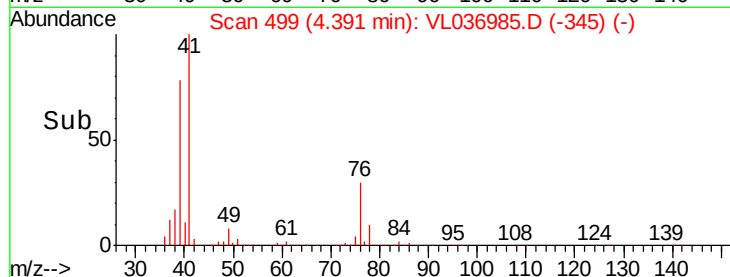
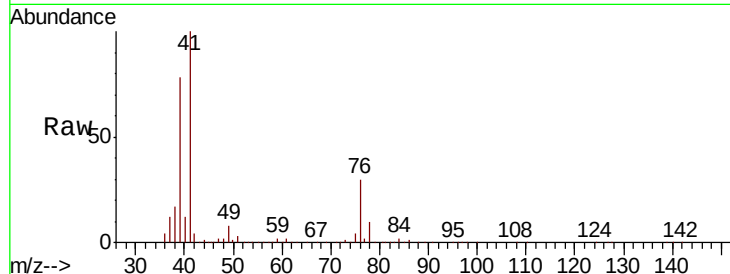
#21
Allvl Chloride
Concen: 9.847 ppbv
RT: 4.39 min Scan# 499
Delta R.T. -0.00 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:	41	Resp:	977753
Ion Ratio	Lower	Upper	
41	100		
76	30.6	24.9	37.3
39	80.8	63.7	95.5

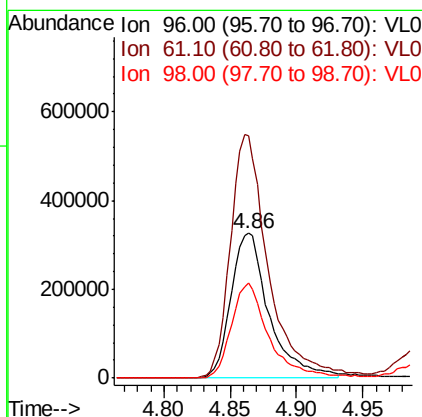
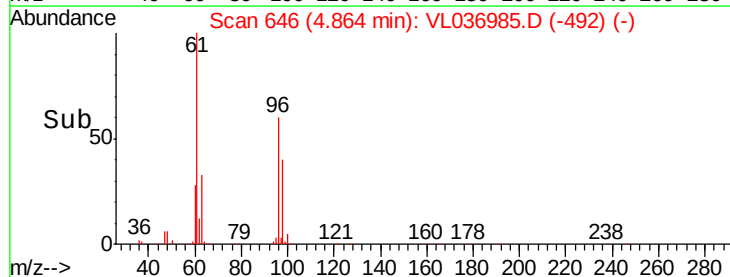
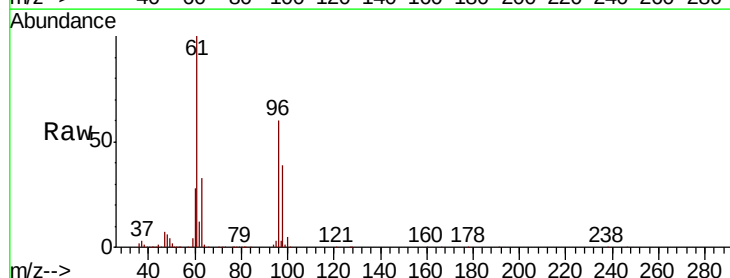
Manual Integrations
APPROVED

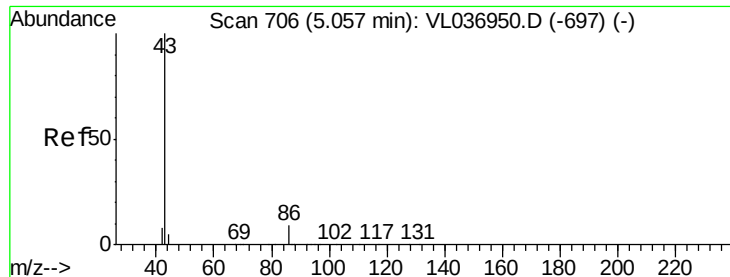
MMDadoda
5/24/2021 3:01:04 PM



#22
trans-1,2-Dichloroethene
Concen: 10.281 ppbv
RT: 4.86 min Scan# 646
Delta R.T. -0.00 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Tgt Ion:	96	Resp:	654800
Ion Ratio	Lower	Upper	
96	100		
61	167.2	130.6	196.0
98	66.0	50.8	76.2





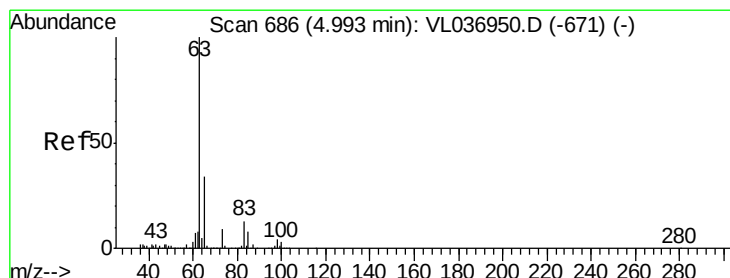
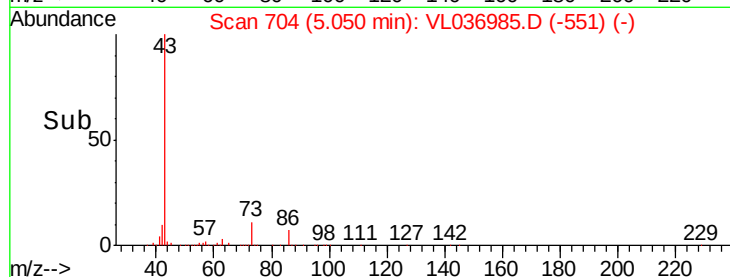
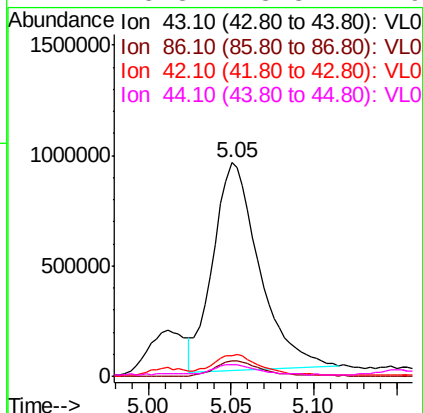
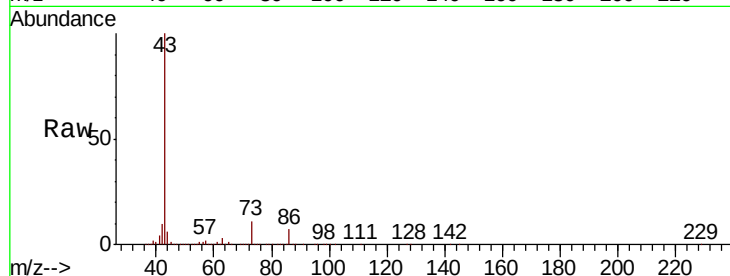
#23
 Vinyl Acetate
 Concen: 8.773 ppbv
 RT: 5.05 min Scan# 704
 Delta R.T. -0.01 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
86	7.1	5.8	8.8	
42	9.5	7.4	11.2	
44	5.3	3.3	4.9#	

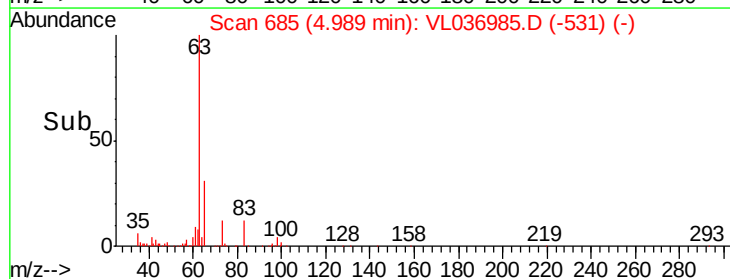
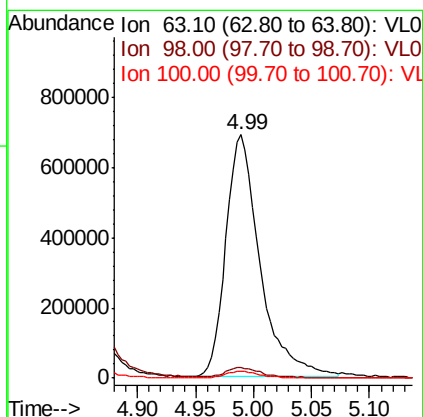
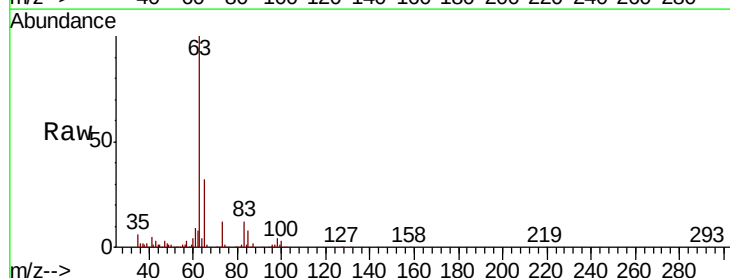
Manual Integrations
 APPROVED

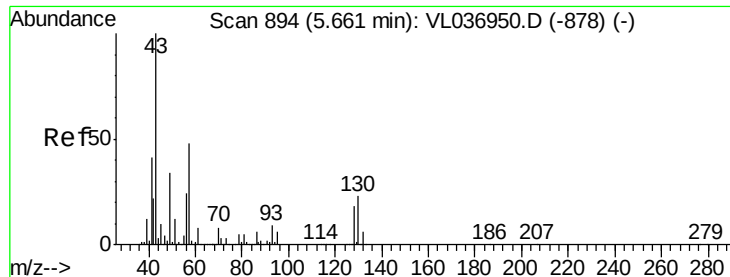
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 9.410 ppbv
 RT: 4.99 min Scan# 685
 Delta R.T. -0.00 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	4.0	2.3	6.9	
100	2.6	1.4	4.0	





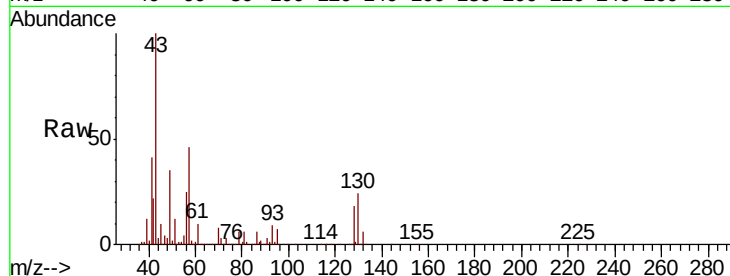
#25
Ethyl Acetate
Concen: 9.355 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.6	7.8	11.8	
61	9.6	7.8	11.8	
70	6.9	5.6	8.4	

Manual Integrations
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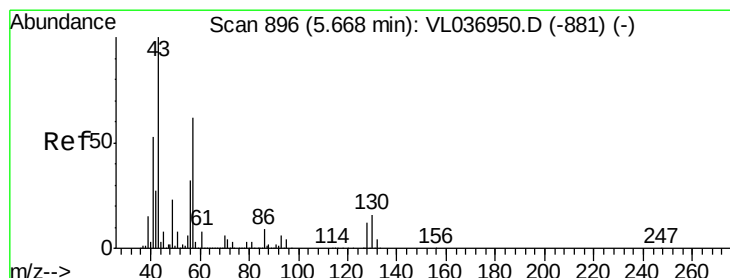
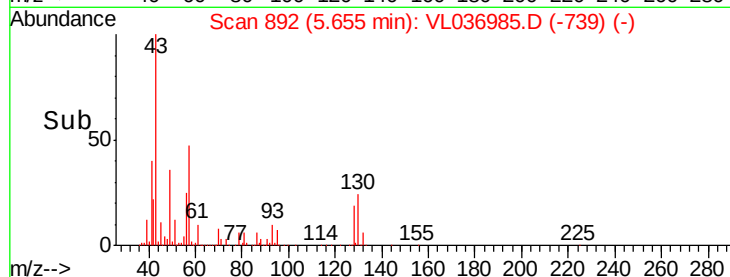
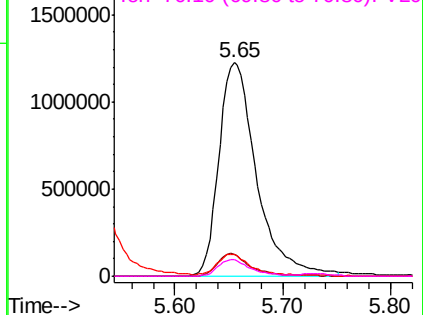
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.088 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.01 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	88.5	70.5	105.7	
43	205.8	165.8	248.8	
56	51.8	42.2	63.4	

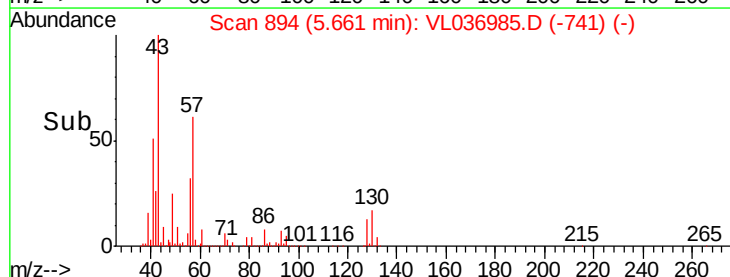
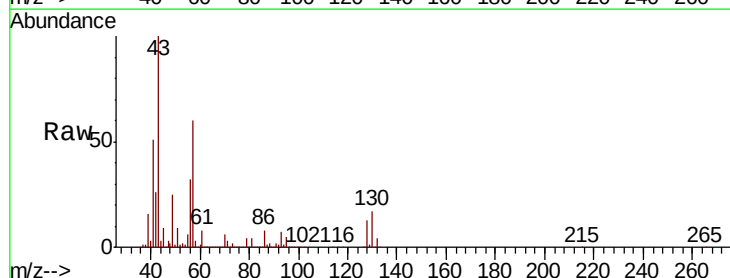
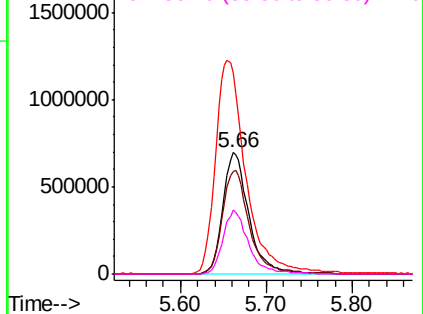
Abundance

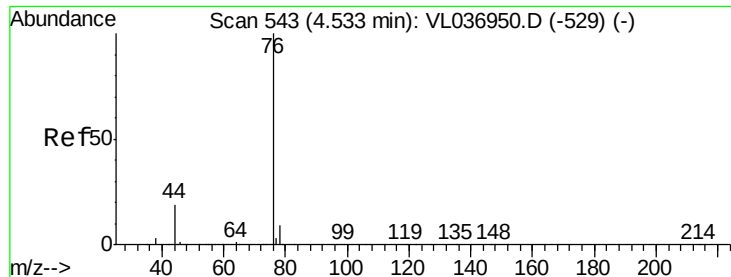
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





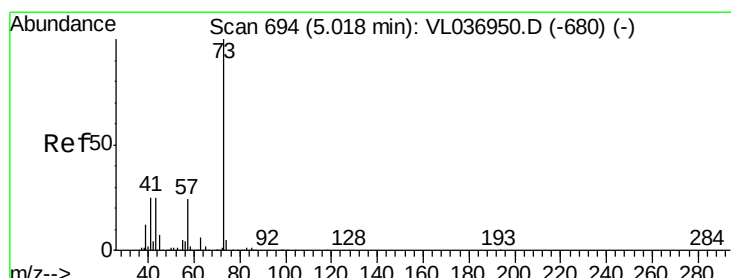
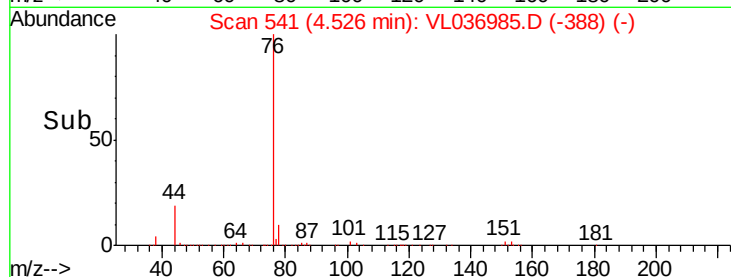
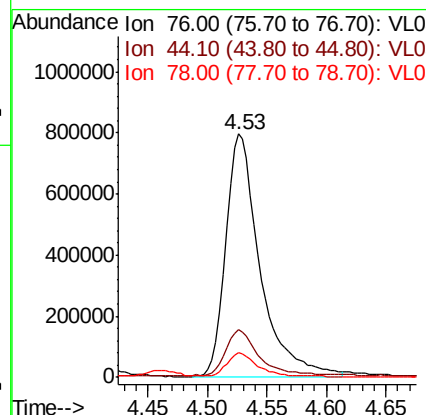
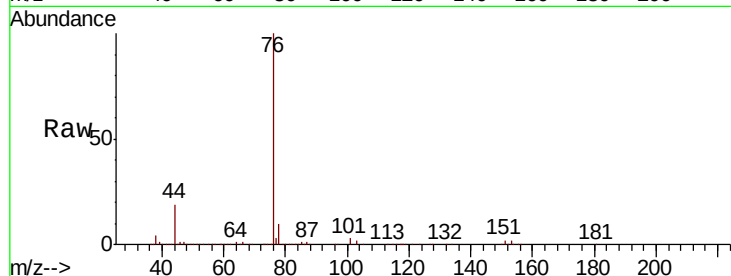
#27
Carbon Disulfide
Concen: 9.734 ppbv
RT: 4.53 min Scan# 541
Delta R.T. -0.01 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
76	100		
44	20.3	15.5	23.3
78	9.9	7.8	11.6

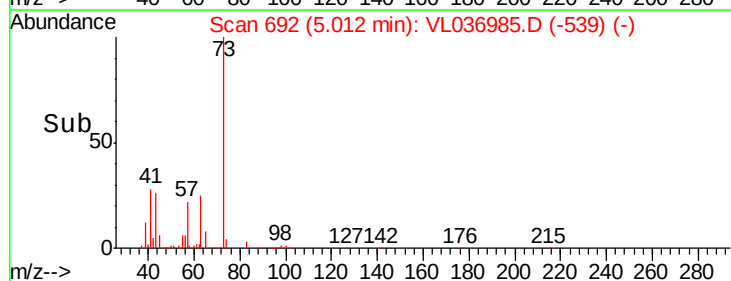
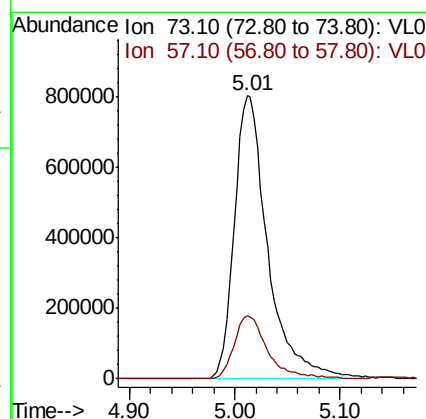
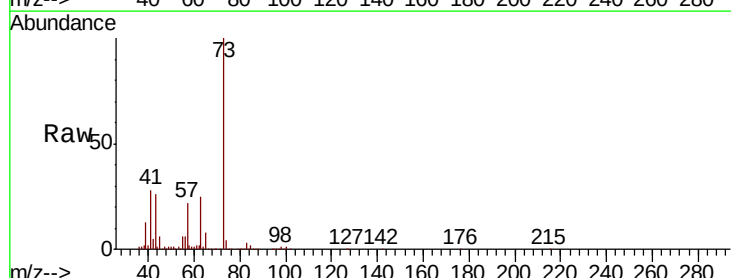
Manual Integrations
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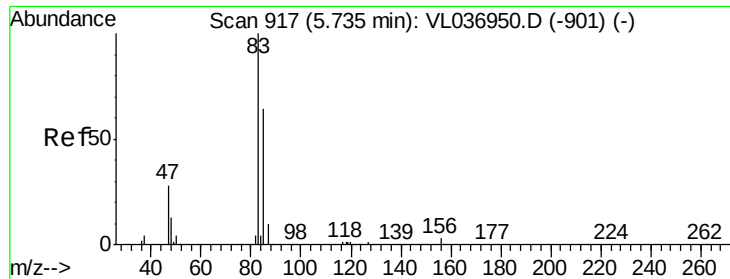
MMDadoda
5/24/2021 3:01:04 PM



#28
Methyl tert-Butyl Ether
Concen: 9.047 ppbv
RT: 5.01 min Scan# 692
Delta R.T. -0.01 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.3	27.5





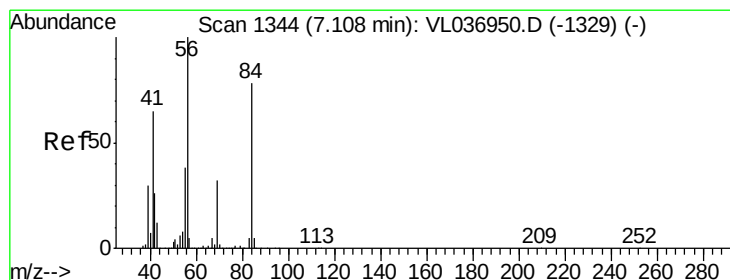
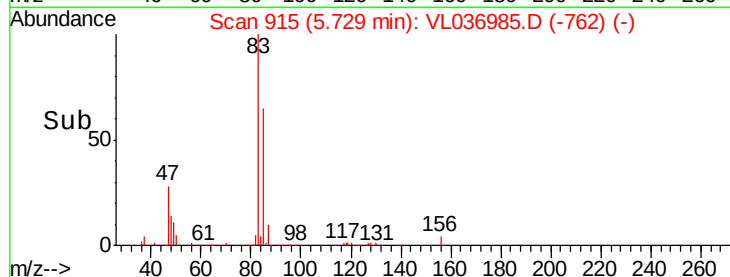
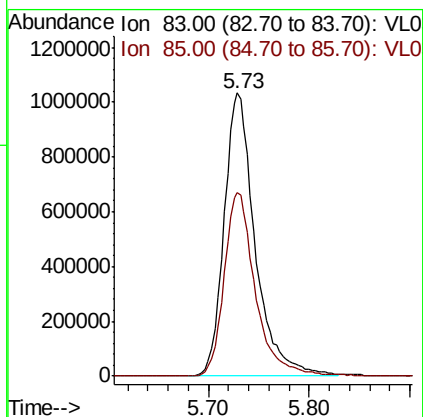
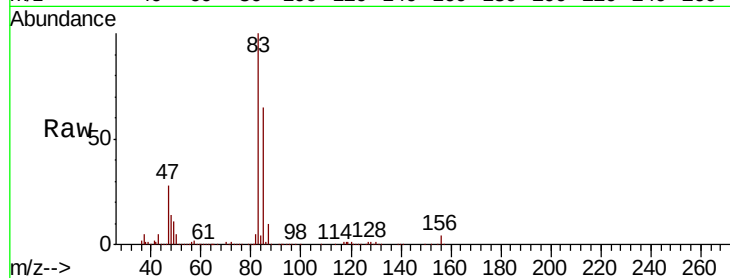
#29
Chloroform
Concen: 9.721 ppbv
RT: 5.73 min Scan# 915
Delta R.T. -0.01 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2218998
Ion Ratio Lower Upper
83 100
85 64.6 51.1 76.7

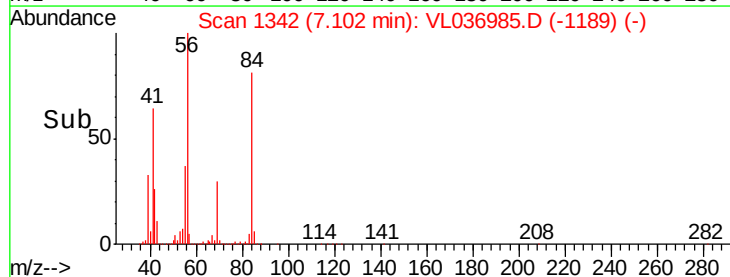
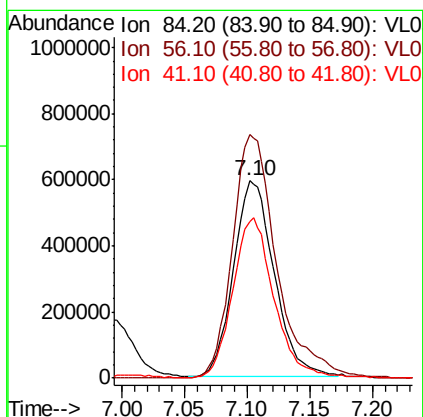
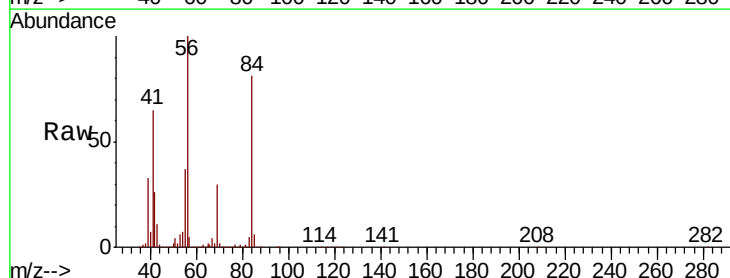
Manual Integrations
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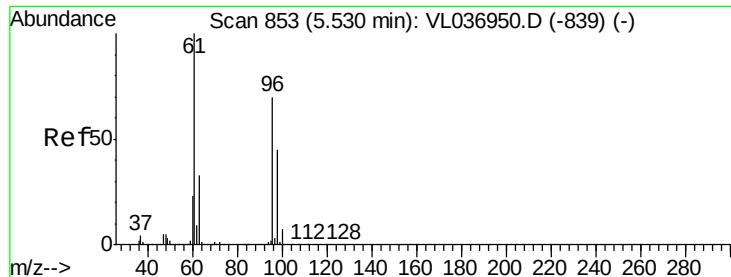
MMDadoda
5/24/2021 3:01:04 PM



#30
Cyclohexane
Concen: 9.730 ppbv
RT: 7.10 min Scan# 1342
Delta R.T. -0.01 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Tgt Ion: 84 Resp: 1335922
Ion Ratio Lower Upper
84 100
56 136.5 107.9 161.9
41 83.1 65.5 98.3





#31

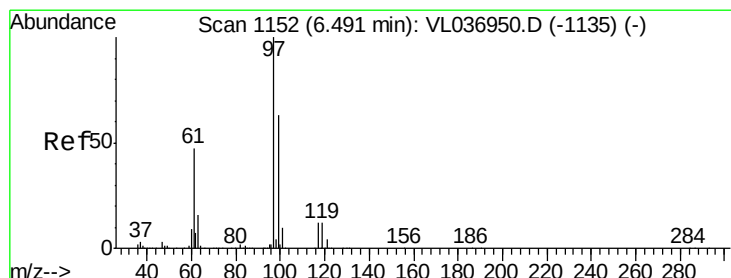
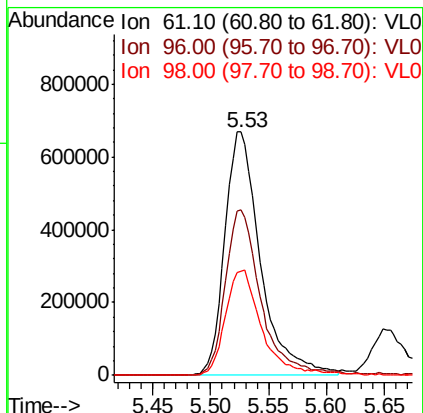
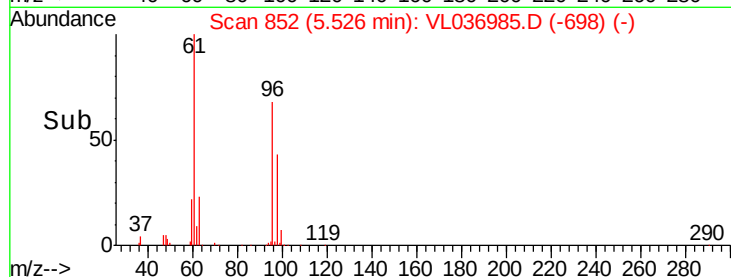
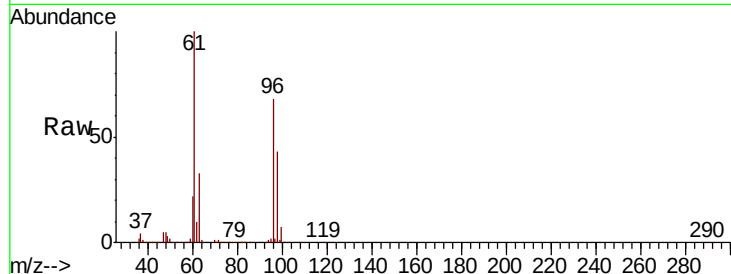
cis-1,2-Dichloroethene
Concen: 9.829 ppbv
RT: 5.53 min Scan# 852
Delta R.T. -0.00 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	68.0	55.9	83.9
98	42.9	35.6	53.4

Manual Integrations
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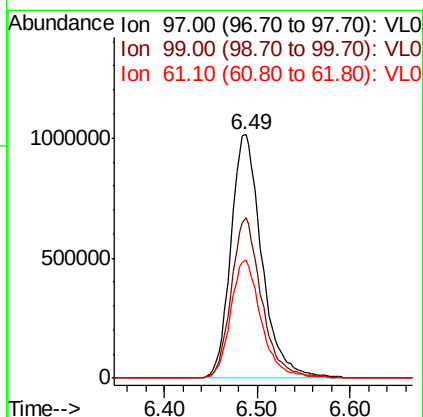
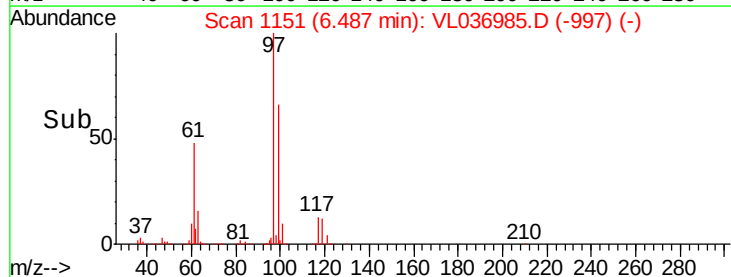
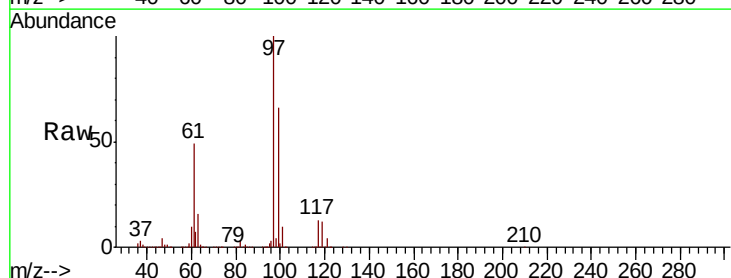
MMDadoda
5/24/2021 3:01:04 PM

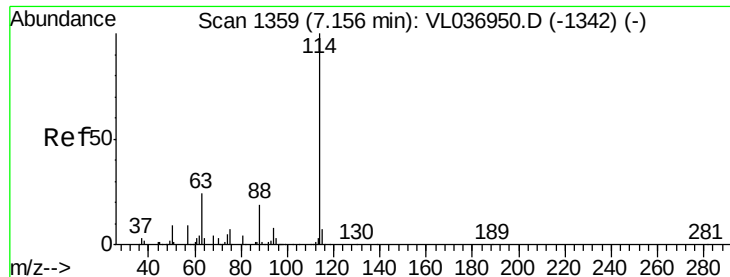


#32

1,1,1-Trichloroethane
Concen: 9.552 ppbv
RT: 6.49 min Scan# 1151
Delta R.T. -0.00 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.9	77.9
61	48.1	37.6	56.4





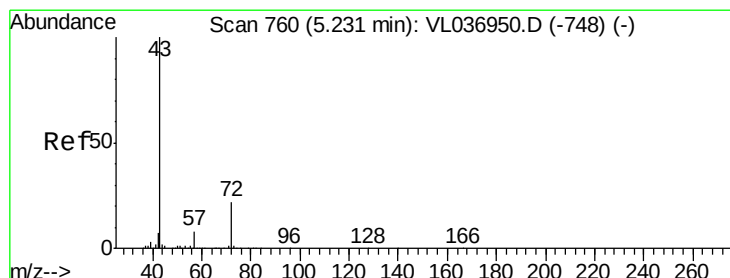
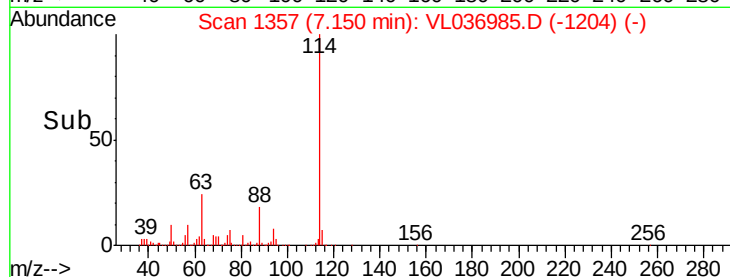
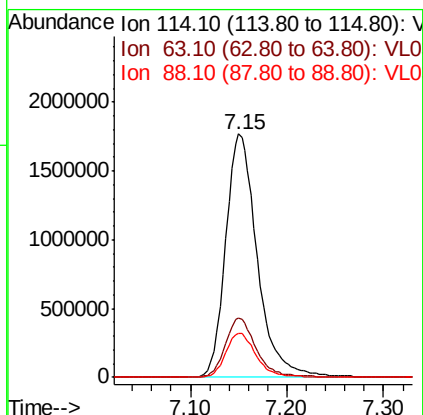
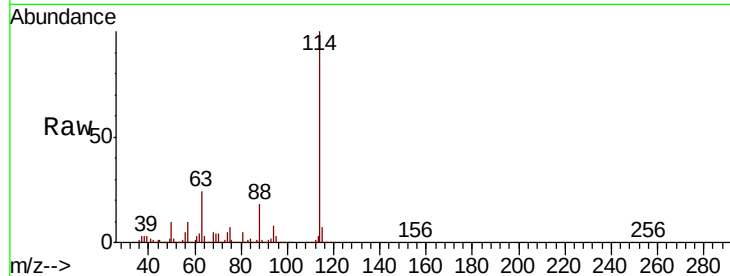
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.6	29.4
88	17.8	14.6	21.8

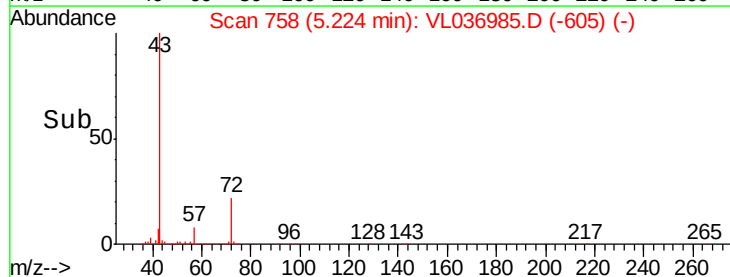
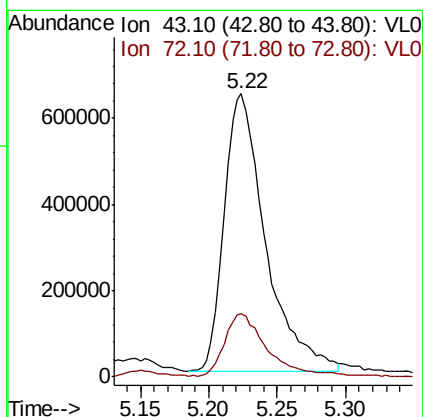
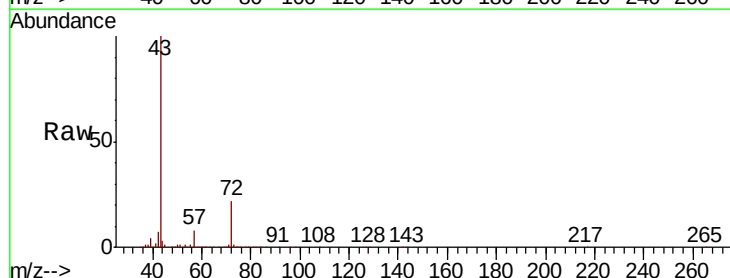
Manual Integrations
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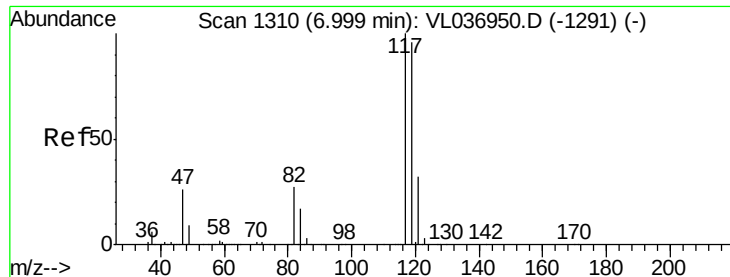
MMDadoda
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#34
 2-Butanone
 Concen: 9.358 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.0	19.0	28.4





#35

Carbon Tetrachloride

Concen: 9.129 ppbv

RT: 6.99 min Scan# 1308

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 2425927

Ion Ratio Lower Upper

117 100

119 98.0 76.6 114.8

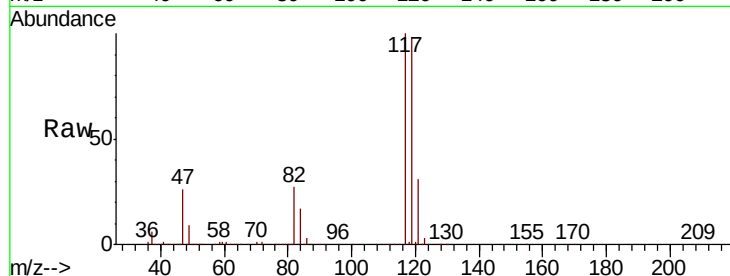
121 31.2 25.8 38.6

Manual Integrations

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MMDadoda

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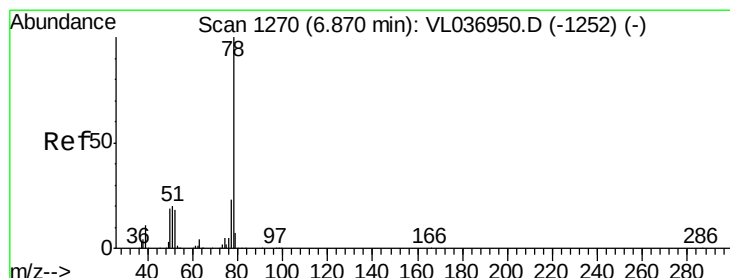
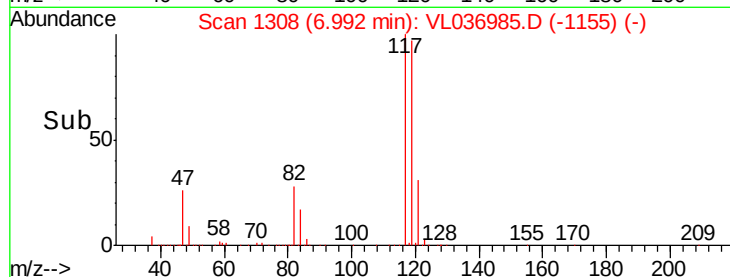
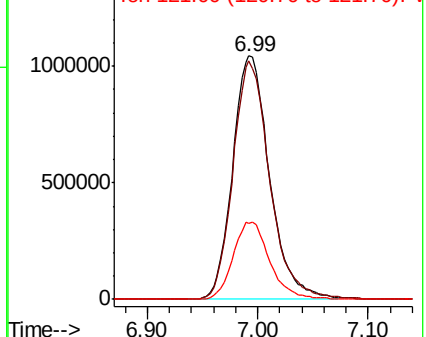


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.301 ppbv

RT: 6.86 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

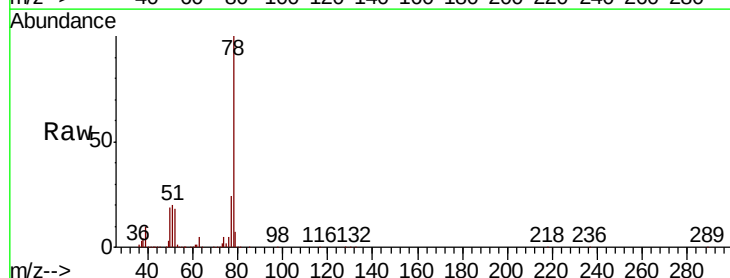
Tgt Ion: 78 Resp: 3204485

Ion Ratio Lower Upper

78 100

77 24.1 18.6 28.0

50 18.9 15.0 22.4

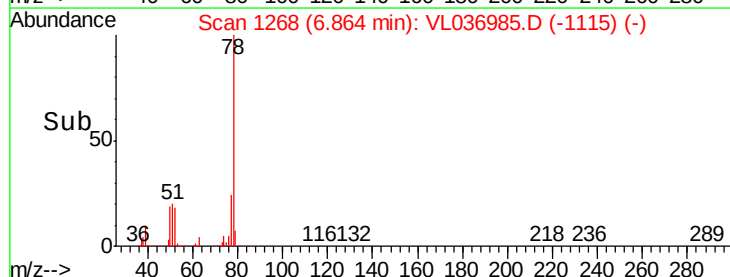
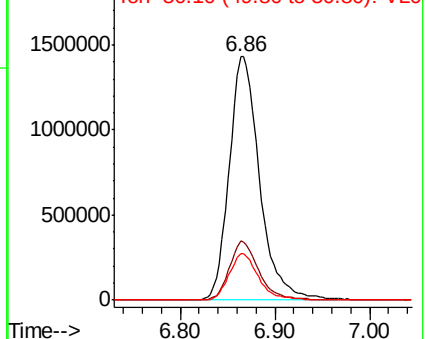


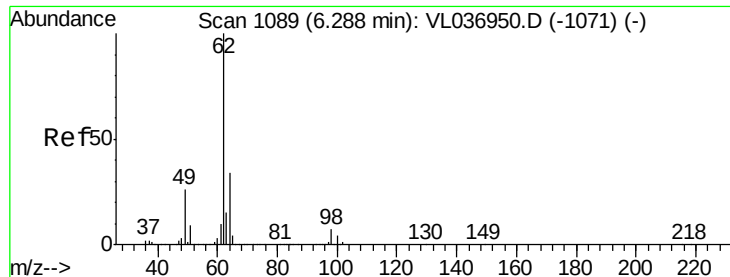
Abundance

Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





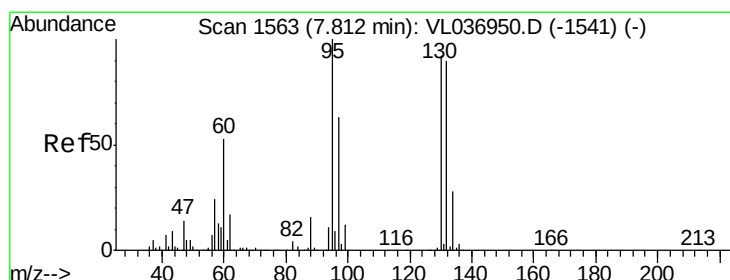
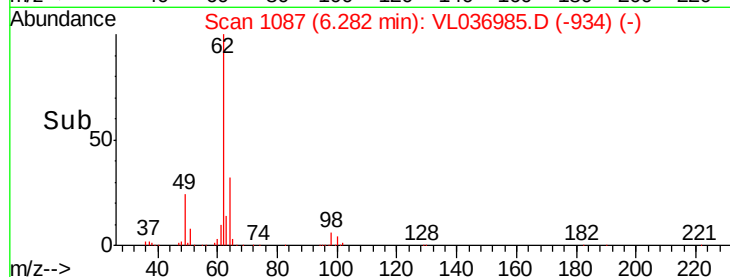
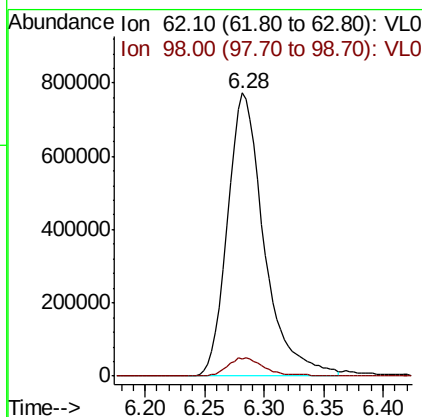
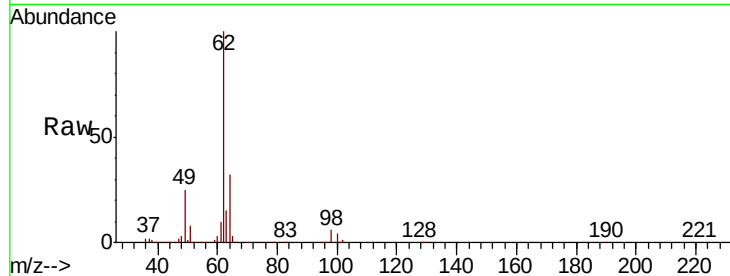
#37
 1,2-Dichloroethane
 Concen: 9.652 ppbv
 RT: 6.28 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1648530
 Ion Ratio Lower Upper
 62 100
 98 6.7 5.5 8.3

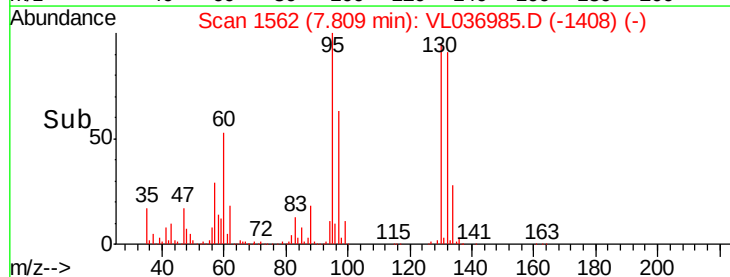
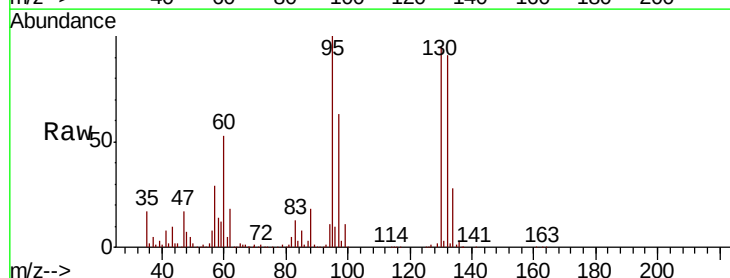
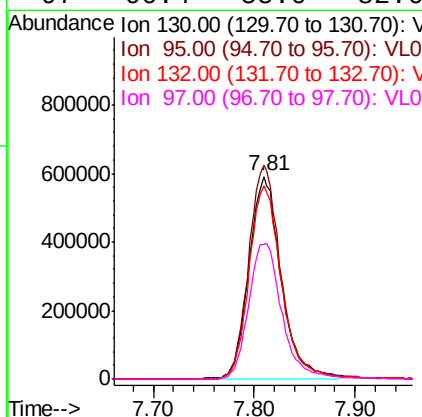
Manual Integrations
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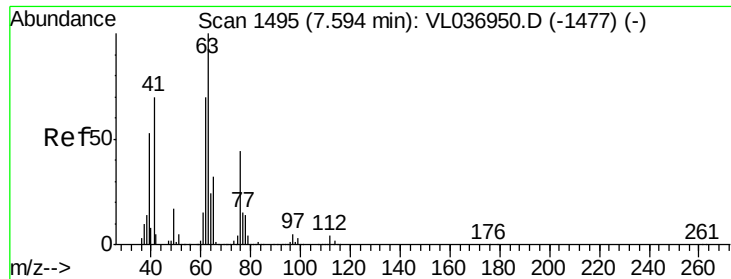
MMDadoda
 5/24/2021 3:01:04 PM



#38
 Trichloroethene
 Concen: 8.840 ppbv
 RT: 7.81 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Tgt Ion:130 Resp: 1302807
 Ion Ratio Lower Upper
 130 100
 95 105.3 86.9 130.3
 132 95.5 78.4 117.6
 97 66.4 55.0 82.6





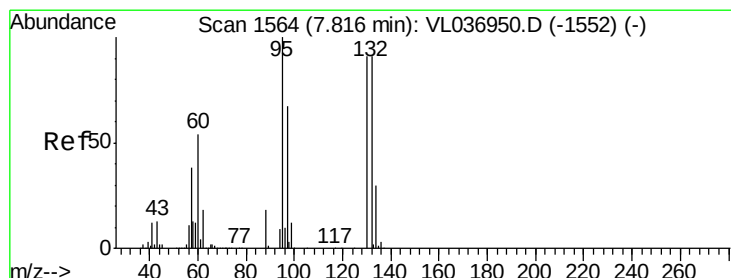
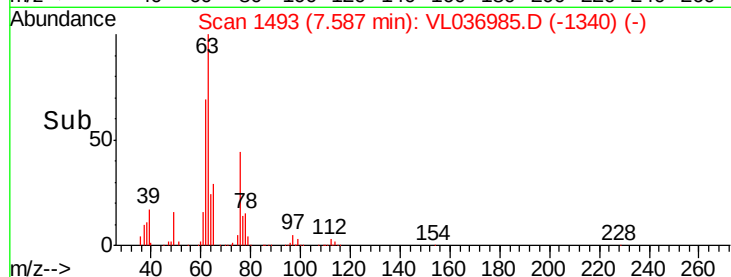
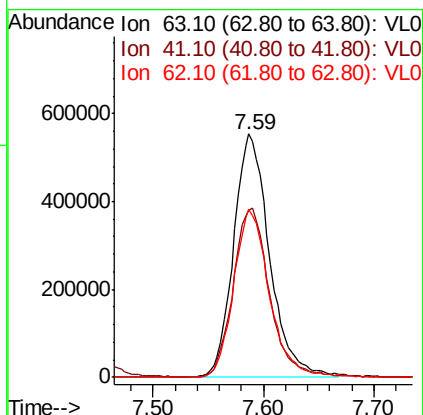
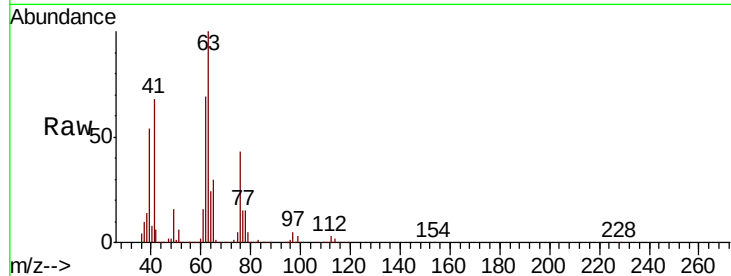
#39
 1,2-Dichloropropane
 Concen: 9.406 ppbv
 RT: 7.59 min Scan# 1493
 Delta R.T. -0.01 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	67.9	55.7	83.5
62	69.1	56.2	84.4

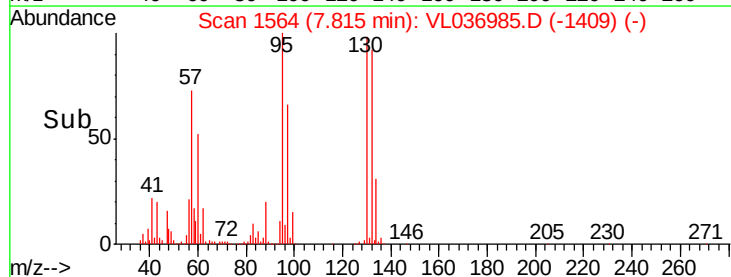
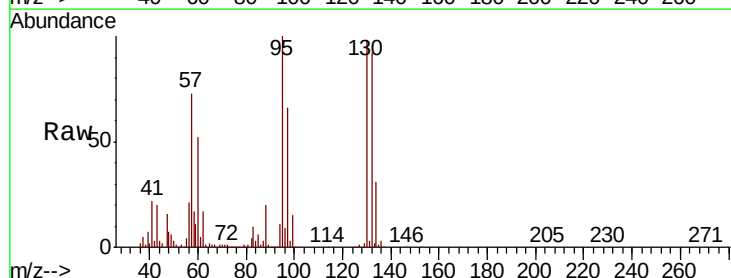
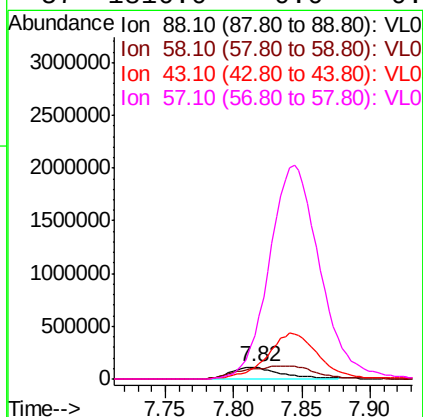
Manual Integrations
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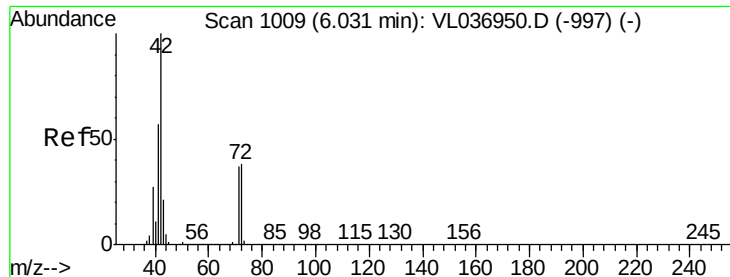
MMDadoda
 5/24/2021 3:01:04 PM



#40
 1,4-Dioxane
 Concen: 9.251 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Tgt Ion	Ratio	Lower	Upper
88	100		
58	158.9	0.0	0.0#
43	396.2	0.0	0.0#
57	1816.0	0.0	0.0#





#41

Tetrahydrofuran

Concen: 8.661 ppbv

RT: 6.02 min Scan# 1007

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

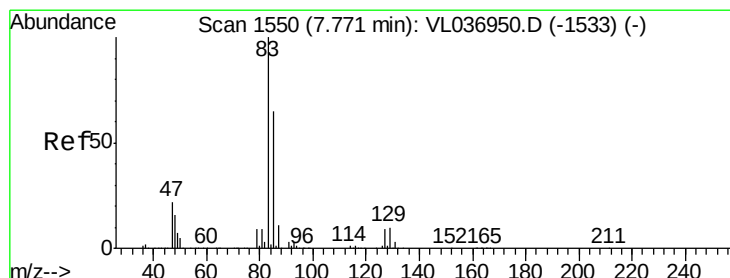
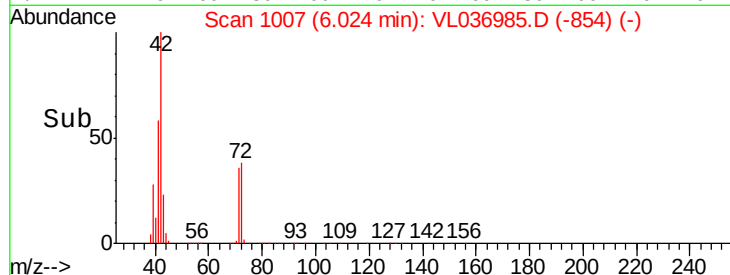
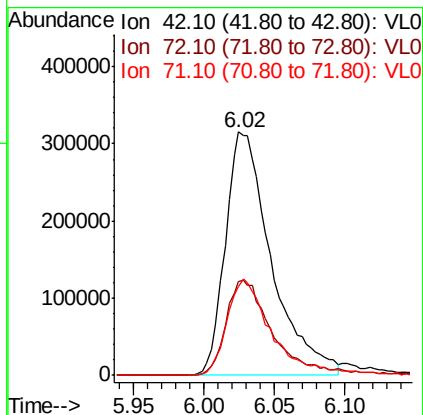
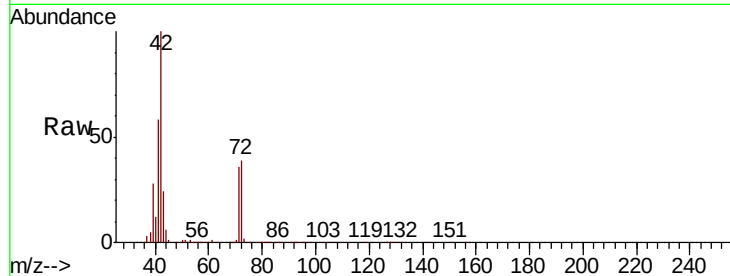
ClientSampleId :

VSTDCCC010

Tot Ion:	42	Resp:	718398
Ion Ratio		Lower	Upper
42	100		
72	40.7	31.4	47.2
71	39.6	30.4	45.6

Manual Integrations
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5/24/2021 3:01:04 PM



#42

Bromodichloromethane

Concen: 9.583 ppbv

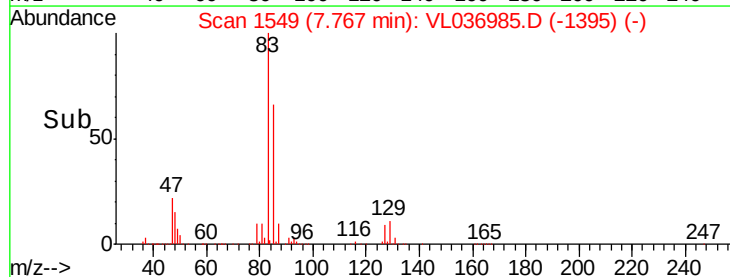
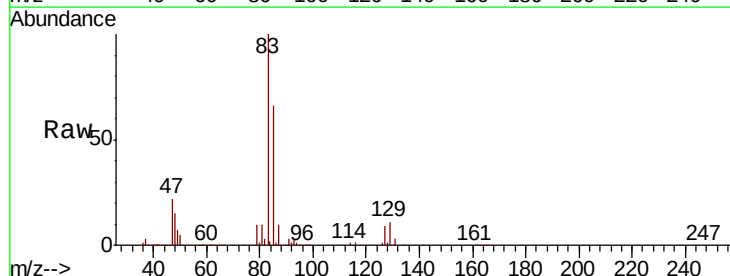
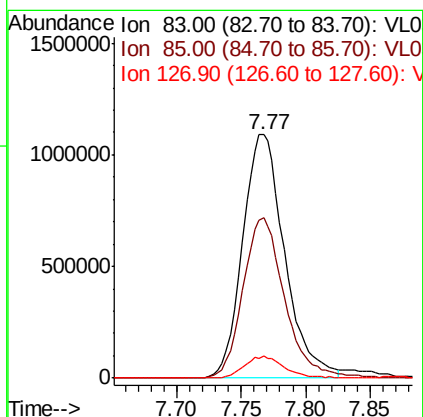
RT: 7.77 min Scan# 1549

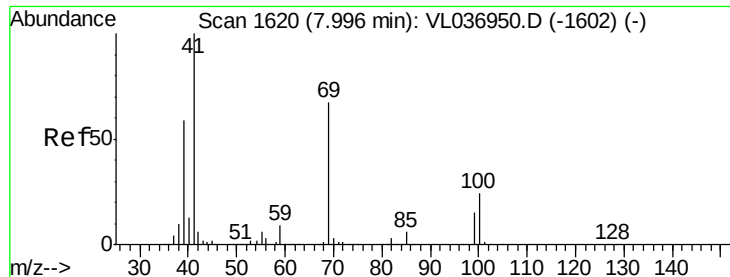
Delta R.T. -0.00 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Tgt Ion:	83	Resp:	2476190
Ion Ratio		Lower	Upper
83	100		
85	66.1	51.7	77.5
127	8.9	6.9	10.3





#43

Methyl Methacrylate

Concen: 9.802 ppbv

RT: 7.99 min Scan# 1619

Delta R.T. -0.00 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 69 Resp: 1163934

Ion Ratio Lower Upper

69 100

41 148.7 118.6 178.0

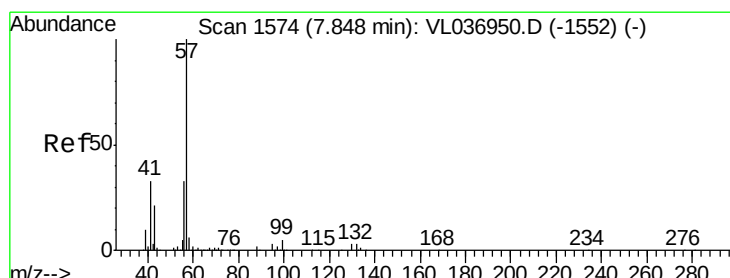
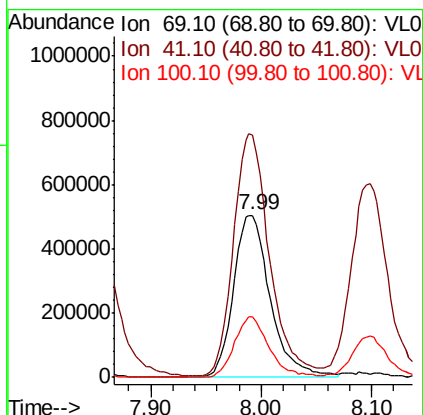
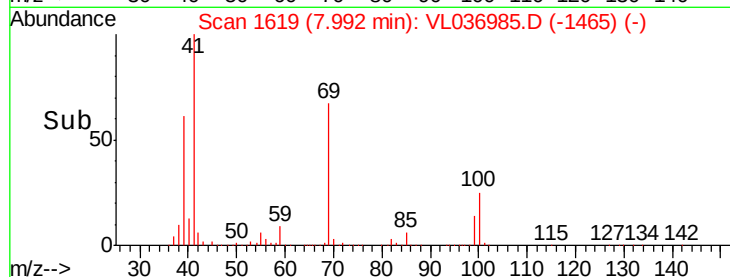
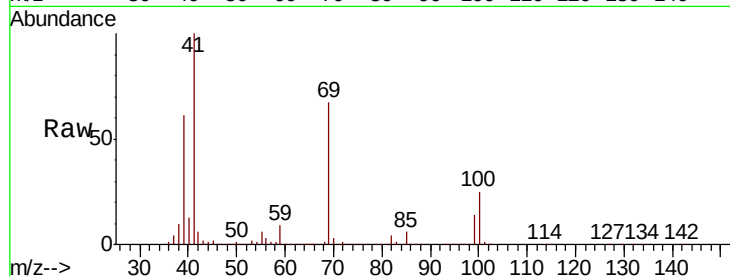
100 35.5 28.2 42.4

Manual Integrations

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#44

2,2,4-Trimethylpentane

Concen: 8.899 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

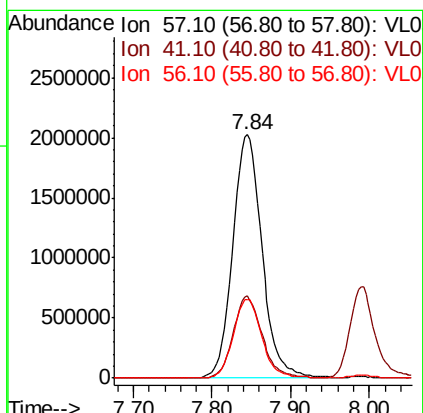
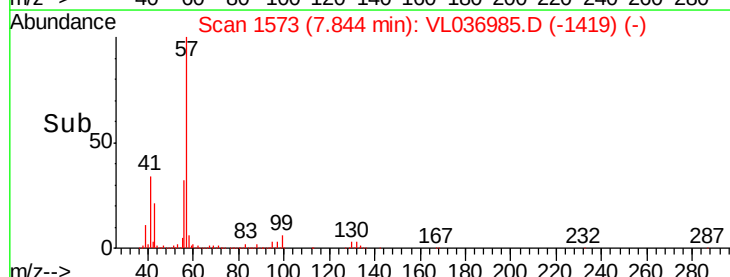
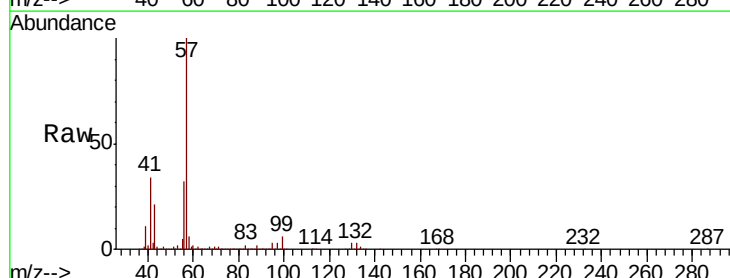
Tgt Ion: 57 Resp: 5259736

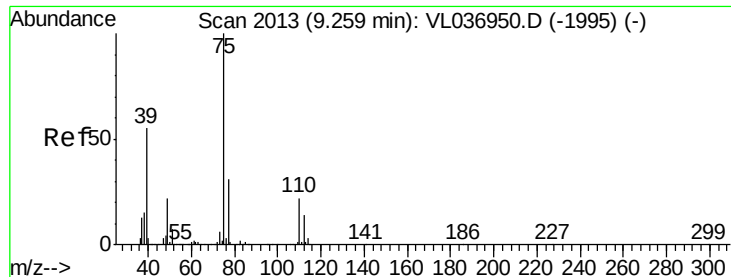
Ion Ratio Lower Upper

57 100

41 33.0 27.0 40.4

56 31.9 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 9.743 ppbv

RT: 9.25 min Scan# 2011

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 883884

Ion Ratio Lower Upper

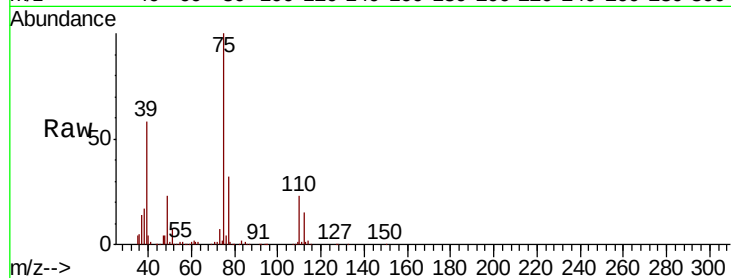
75 100

77 32.3 24.4 36.6

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.25

400000

300000

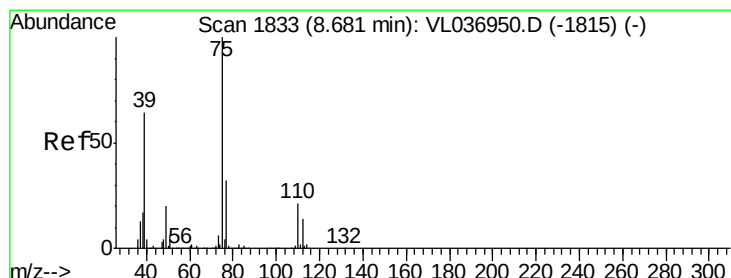
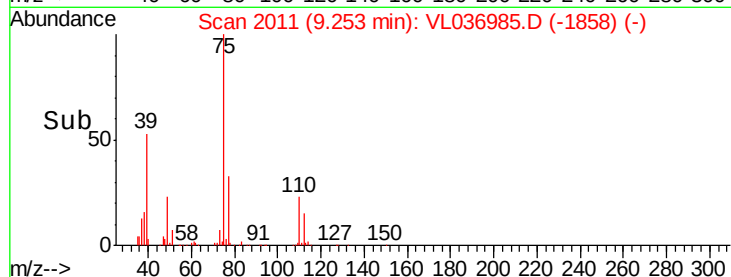
200000

100000

0

Time-->

9.15 9.20 9.25 9.30 9.35



#46

cis-1,3-Dichloropropene

Concen: 9.659 ppbv

RT: 8.67 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

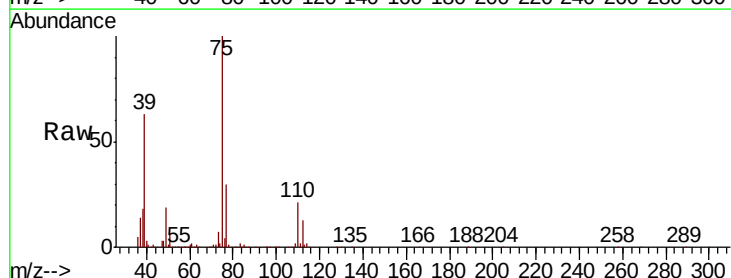
Tgt Ion: 75 Resp: 1178579

Ion Ratio Lower Upper

75 100

39 62.8 51.5 77.3

77 30.0 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

600000

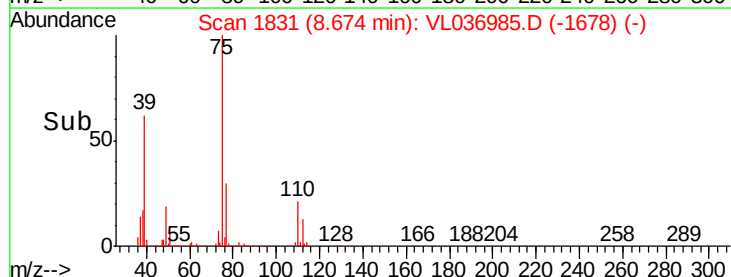
400000

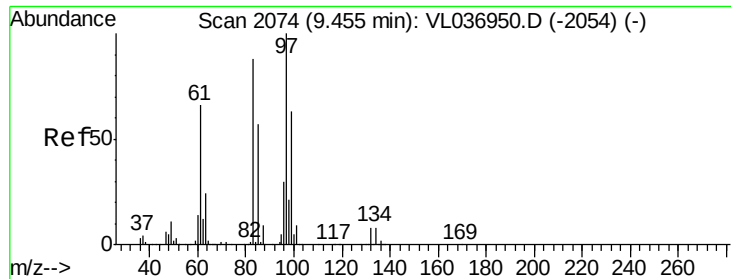
200000

0

Time-->

8.60 8.70 8.80





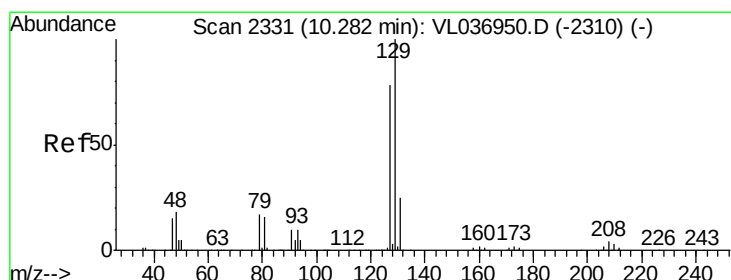
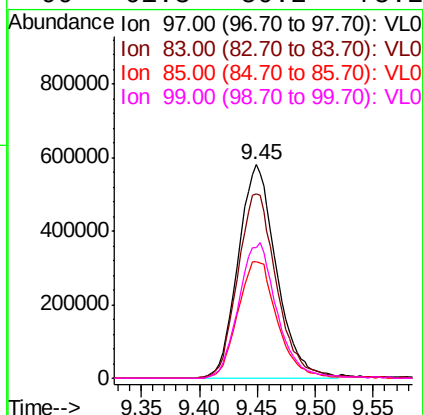
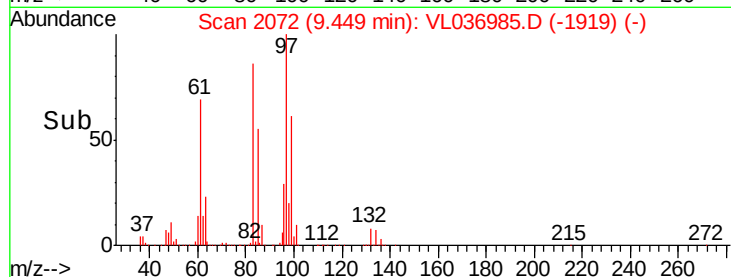
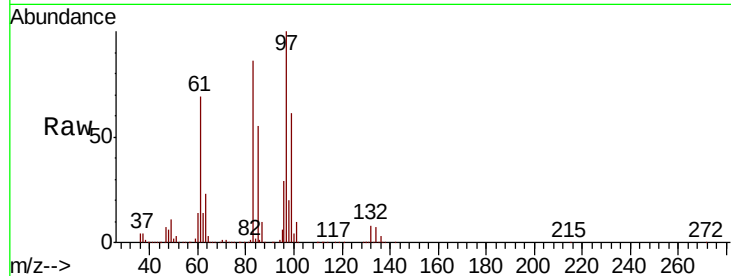
#47
 1,1,2-Trichloroethane
 Concen: 9.599 ppbv
 RT: 9.45 min Scan# 2072
 Delta R.T. -0.01 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	86.3	70.4	105.6	
85	54.6	45.5	68.3	
99	61.3	50.2	75.2	

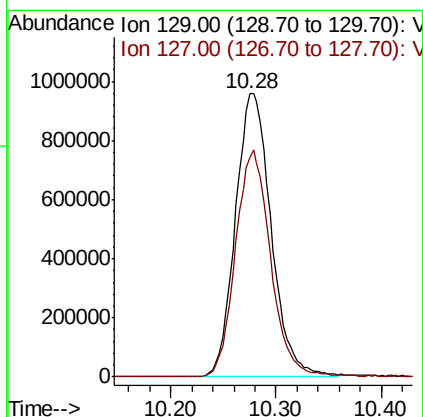
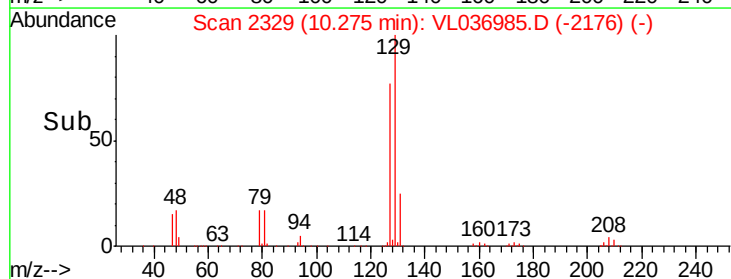
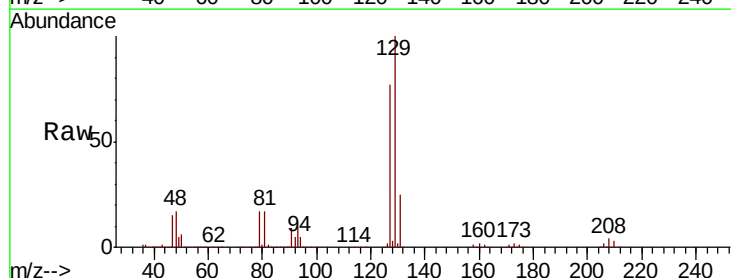
Manual Integrations
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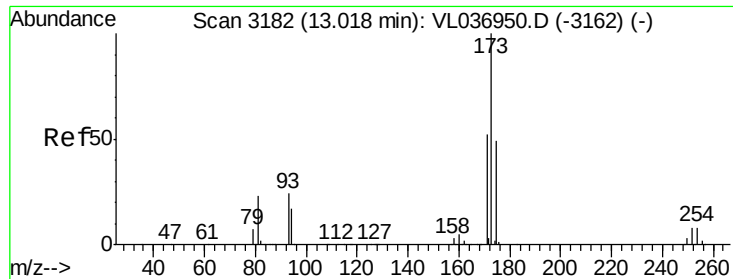
MMDadoda
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#48
 Dibromochloromethane
 Concen: 10.043 ppbv
 RT: 10.28 min Scan# 2329
 Delta R.T. -0.01 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	79.1	39.3	117.8	





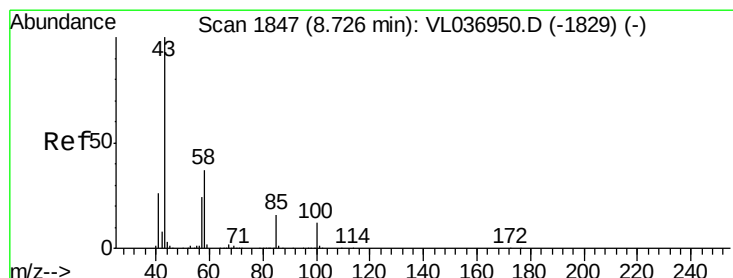
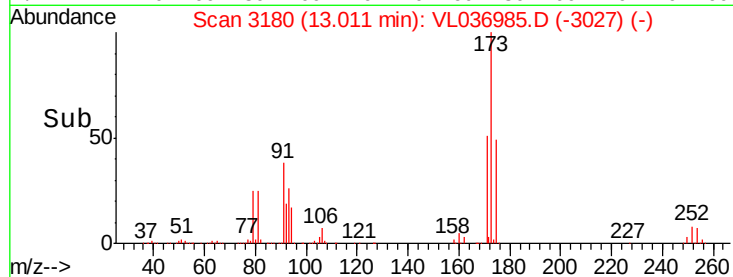
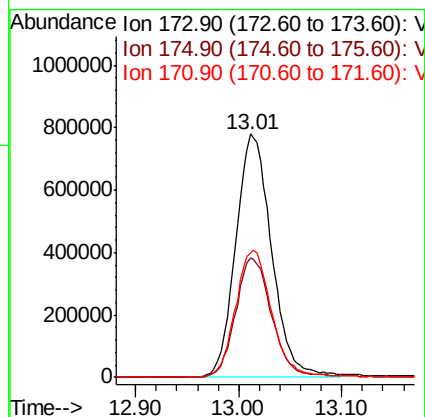
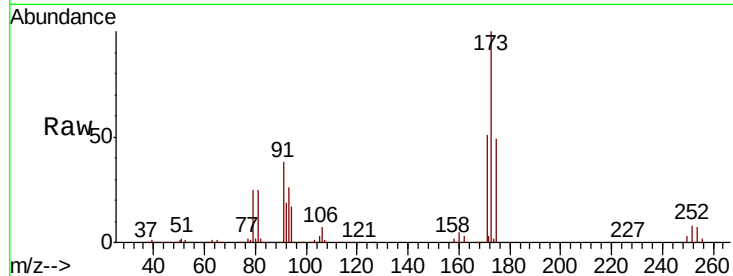
#49
Bromoform
Concen: 10.167 ppbv
RT: 13.01 min Scan# 3180
Delta R.T. -0.01 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Instrument :
MSVOA_L
ClientSampled :
VSTDCCC010

Tot Ion:173 Resp: 1888401
Ion Ratio Lower Upper
173 100
175 50.3 40.4 60.6
171 52.8 42.6 64.0

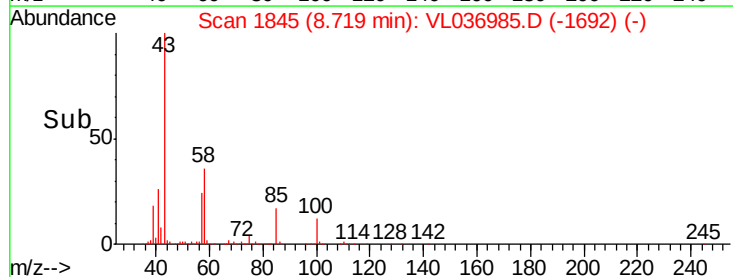
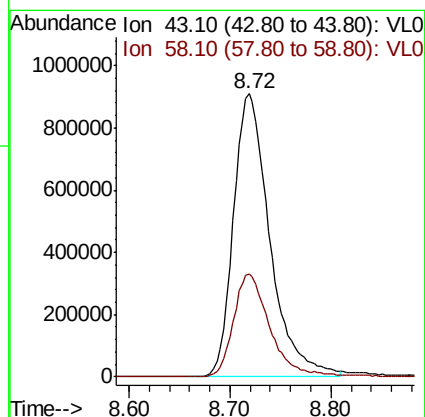
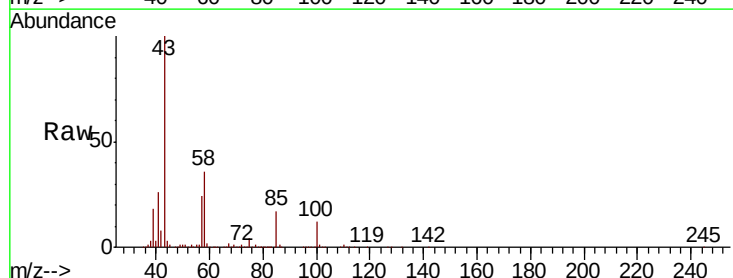
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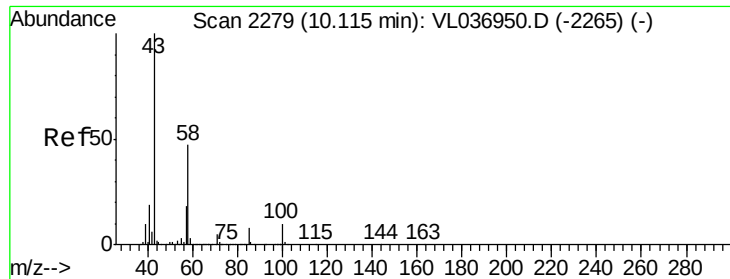
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 9.488 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. -0.01 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Tgt Ion: 43 Resp: 2280265
Ion Ratio Lower Upper
43 100
58 36.8 29.4 44.2





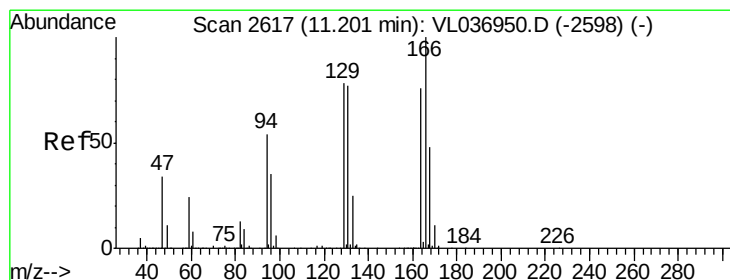
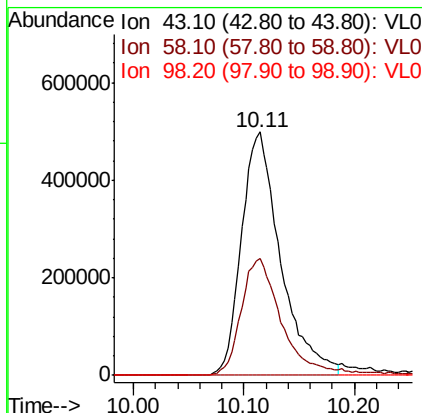
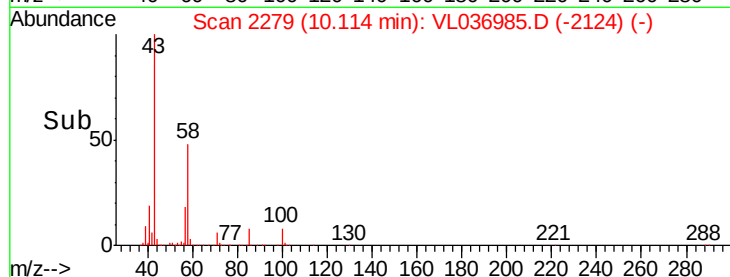
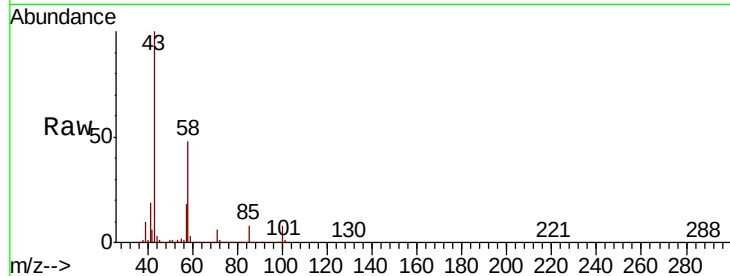
#51
2-Hexanone
Concen: 9.658 ppbv
RT: 10.11 min Scan# 2279
Delta R.T. -0.00 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1227019
Ion Ratio Lower Upper
43 100
58 51.3 41.1 61.7
98 0.2 0.1 0.1#

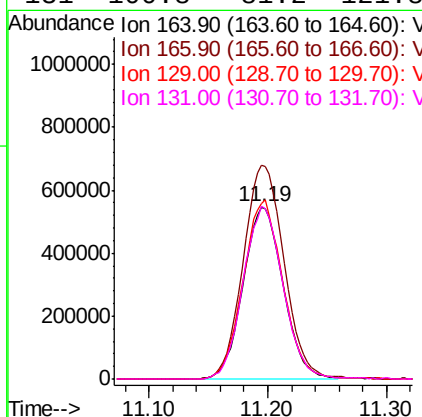
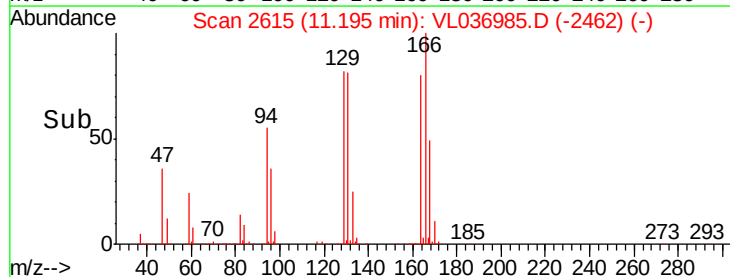
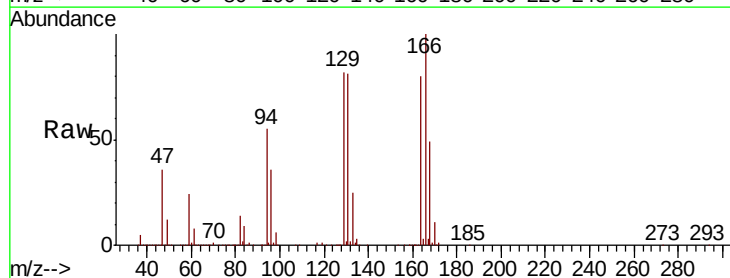
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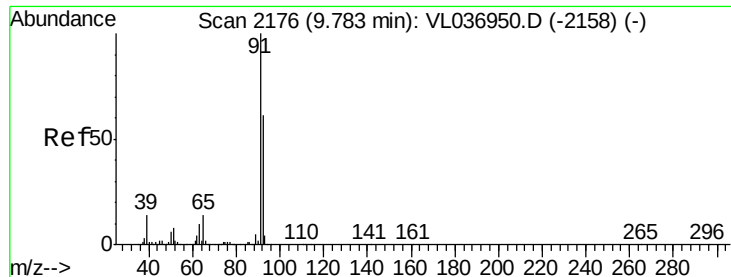
MMDadoda
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#52
Tetrachloroethene
Concen: 9.260 ppbv
RT: 11.19 min Scan# 2615
Delta R.T. -0.01 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Tgt Ion: 164 Resp: 1268524
Ion Ratio Lower Upper
164 100
166 124.5 105.5 158.3
129 102.1 81.8 122.8
131 100.8 81.2 121.8





#53

Toluene

Concen: 9.238 ppbv

RT: 9.78 min Scan# 2175

Delta R.T. -0.00 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3786968

Ion Ratio Lower Upper

91 100

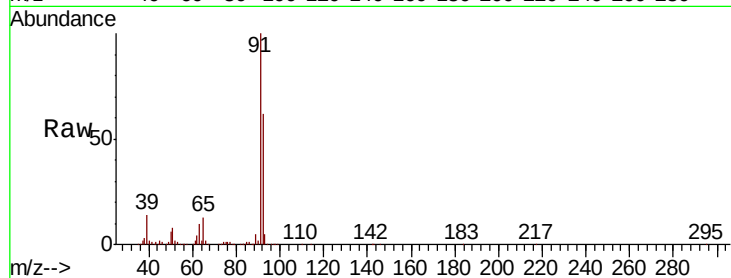
92 61.6 49.5 74.3

Manual Integrations

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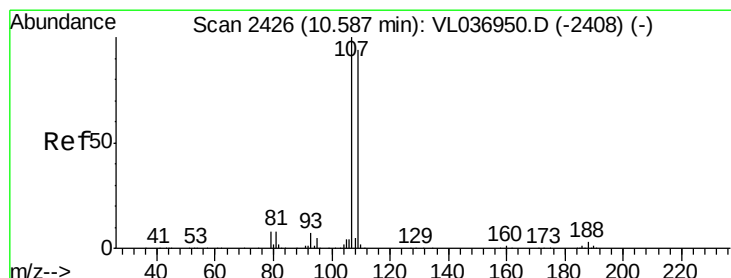
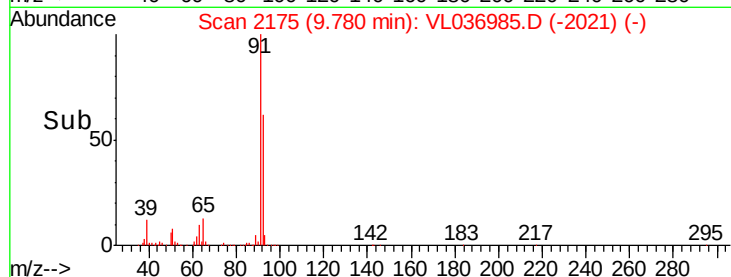
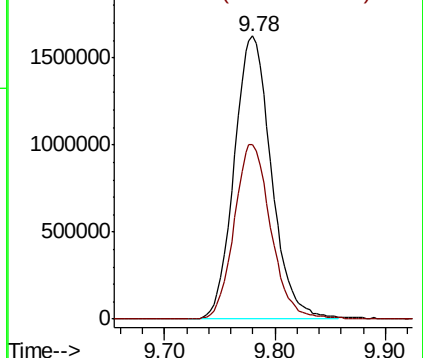
MMDadoda

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.903 ppbv

RT: 10.58 min Scan# 2425

Delta R.T. -0.00 min

Lab File: VL036985.D

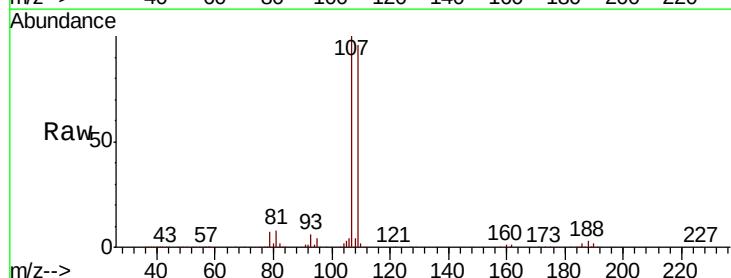
Acq: 19 May 2021 9:29

Tgt Ion: 107 Resp: 1955720

Ion Ratio Lower Upper

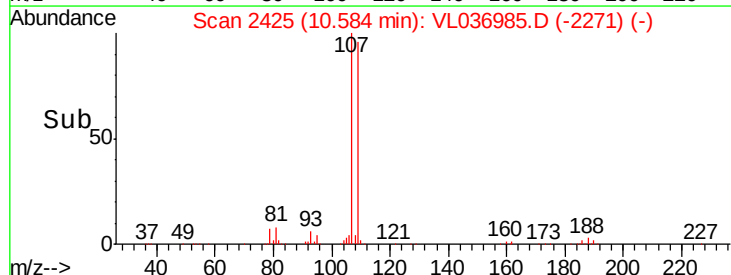
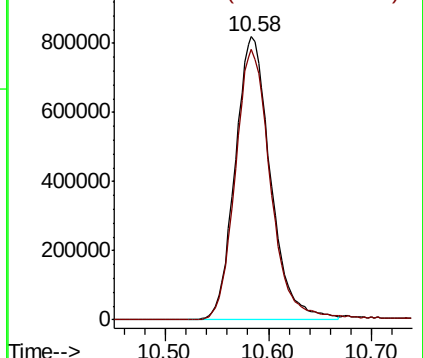
107 100

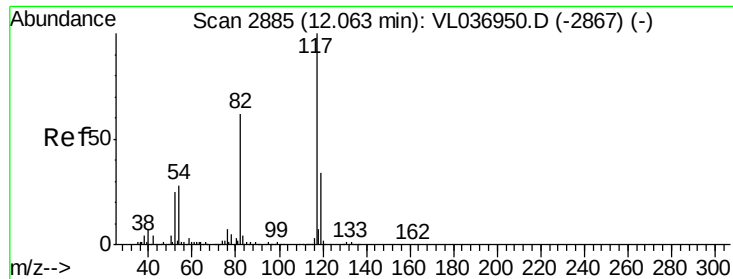
109 95.8 75.0 112.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





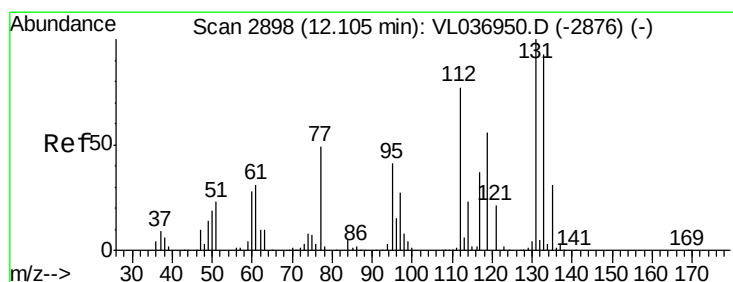
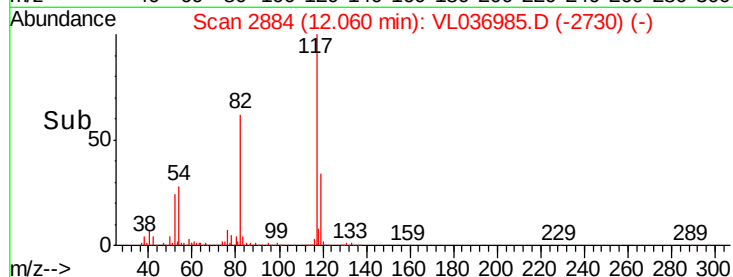
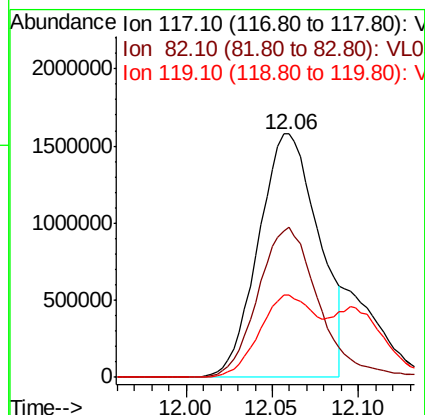
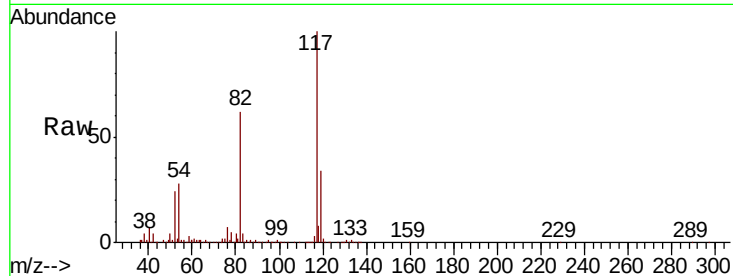
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.06 min Scan# 2884
Delta R.T. -0.00 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 3826730
Ion Ratio Lower Upper
117 100
82 62.8 52.6 79.0
119 57.8 46.6 70.0

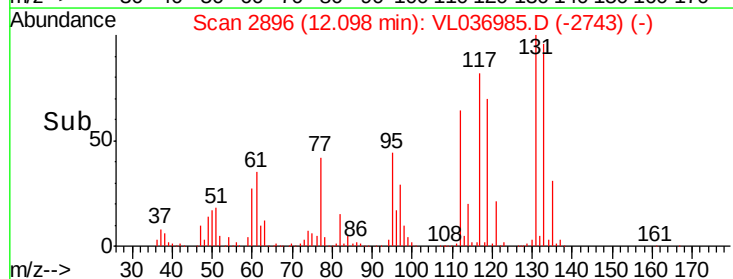
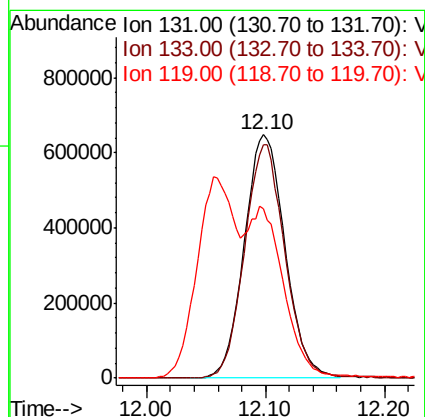
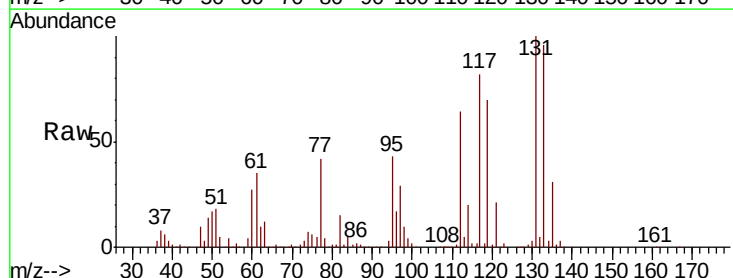
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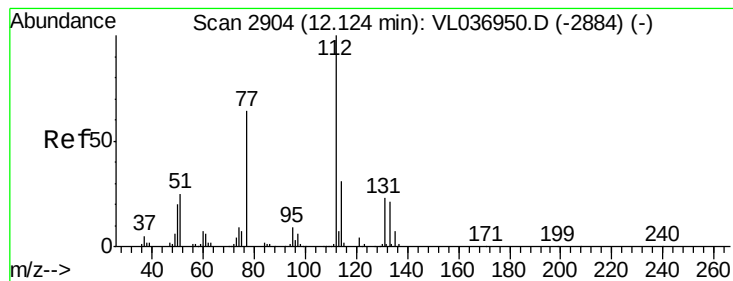
MMDadoda
5/24/2021 3:01:04 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.511 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.01 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Tgt Ion:131 Resp: 1531361
Ion Ratio Lower Upper
131 100
133 95.7 76.9 115.3
119 144.3 120.2 180.4





#57

Chlorobenzene

Concen: 9.513 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:112 Resp: 2822674

Ion Ratio Lower Upper

112 100

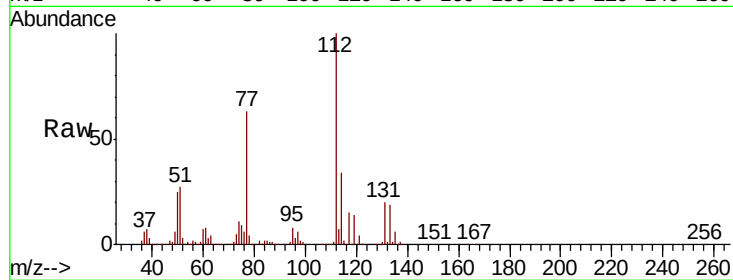
77 62.3 51.0 76.6

114 33.6 28.3 34.5

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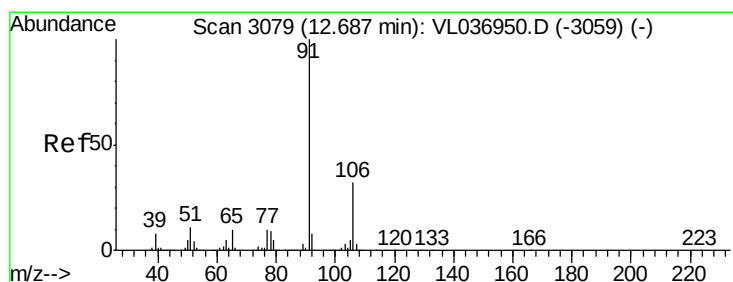
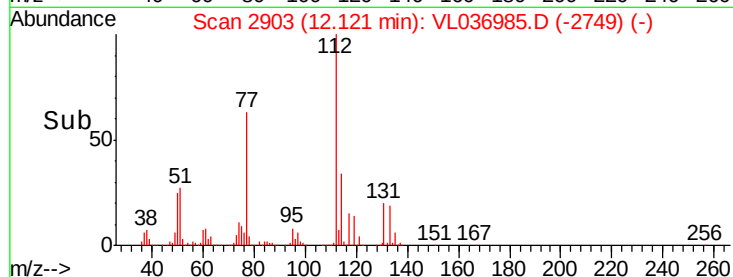
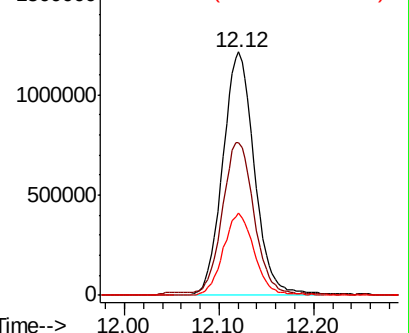
5/24/2021 3:01:04 PM



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.231 ppbv

RT: 12.68 min Scan# 3078

Delta R.T. -0.00 min

Lab File: VL036985.D

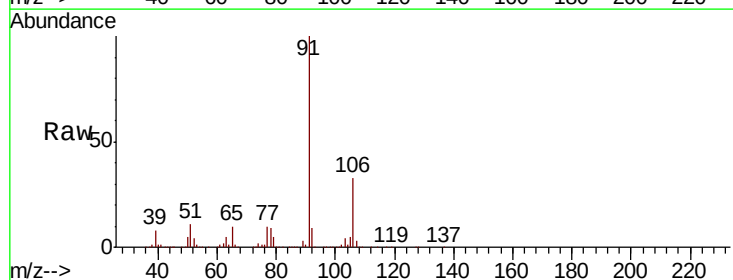
Acq: 19 May 2021 9:29

Tgt Ion: 91 Resp: 4985910

Ion Ratio Lower Upper

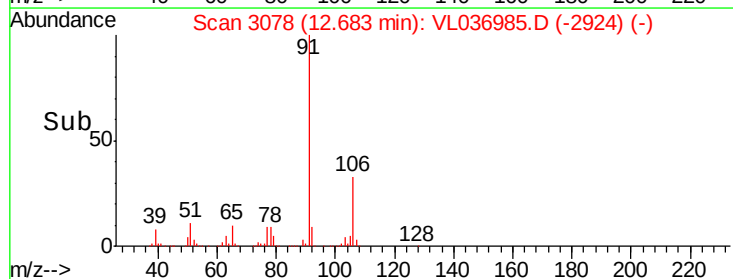
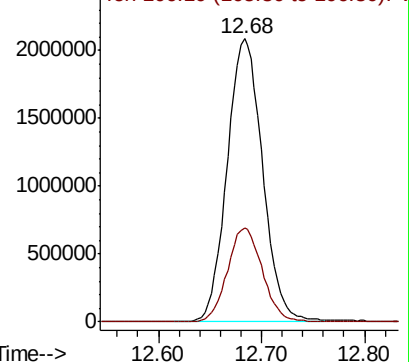
91 100

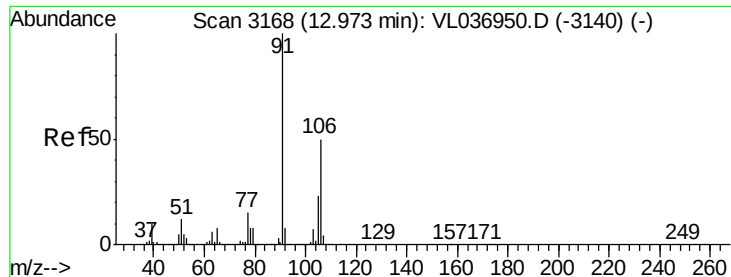
106 33.0 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





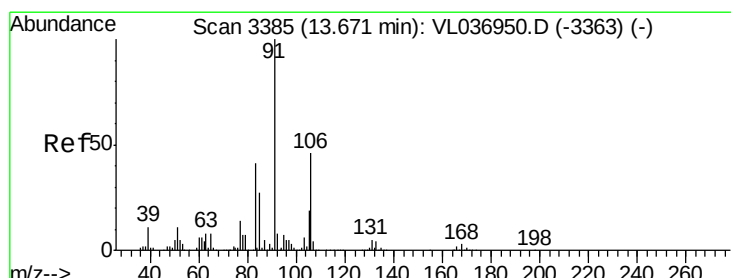
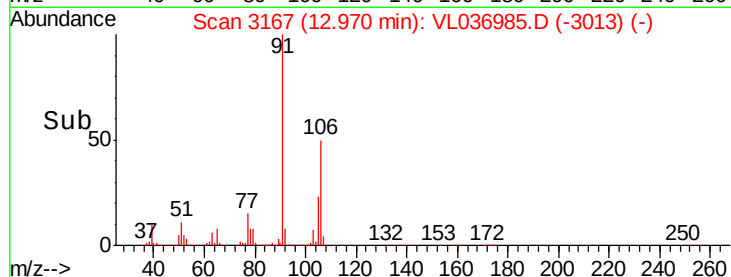
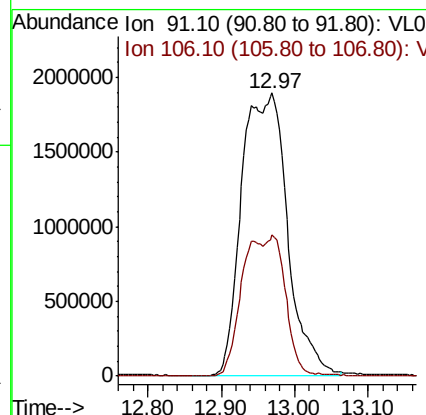
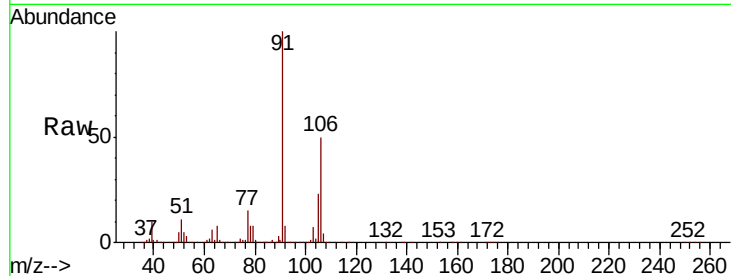
#59
m/p-Xylene
Concen: 18.388 ppbv m
RT: 12.97 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 8209177
Ion Ratio Lower Upper
91 100
106 46.7 37.4 56.2

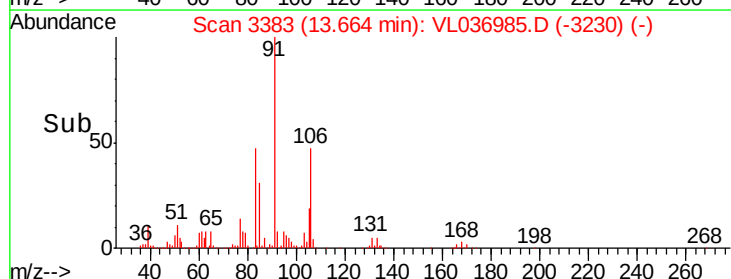
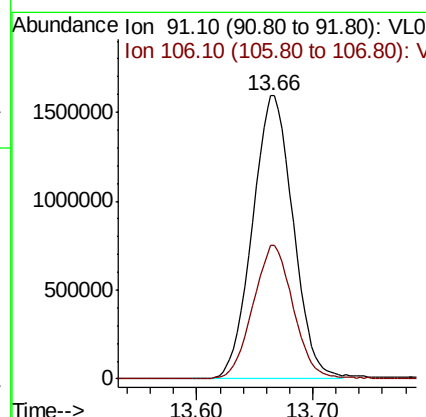
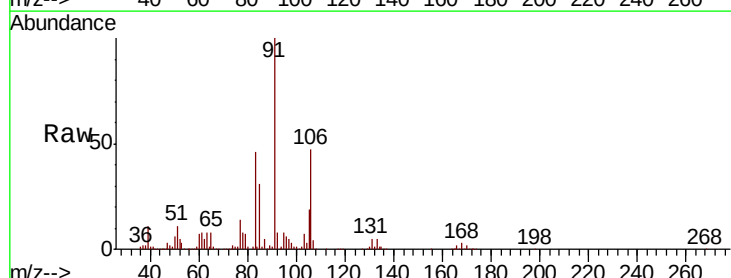
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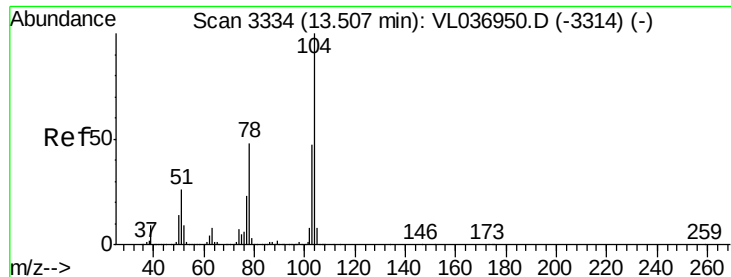
MMDadoda
5/24/2021 3:01:04 PM



#60
o-Xylene
Concen: 9.117 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. -0.01 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Tgt Ion: 91 Resp: 3881835
Ion Ratio Lower Upper
91 100
106 46.9 23.4 70.3





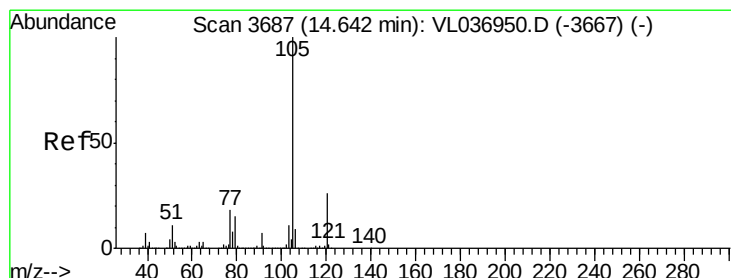
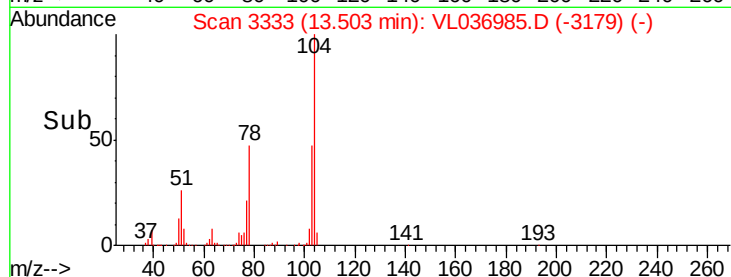
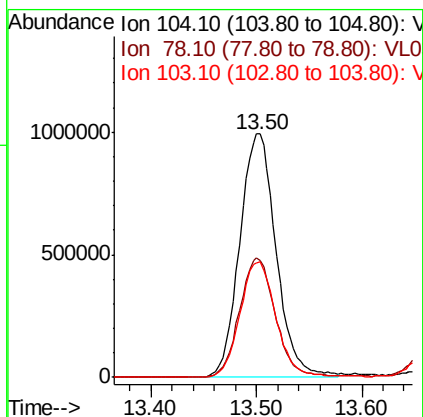
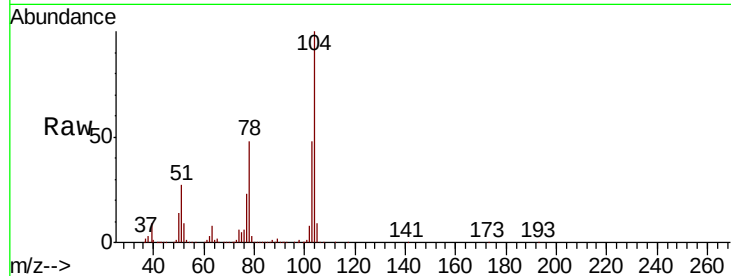
#61
Stvrene
Concen: 9.952 ppbv
RT: 13.50 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.7	39.0	58.6
103	47.4	38.0	57.0

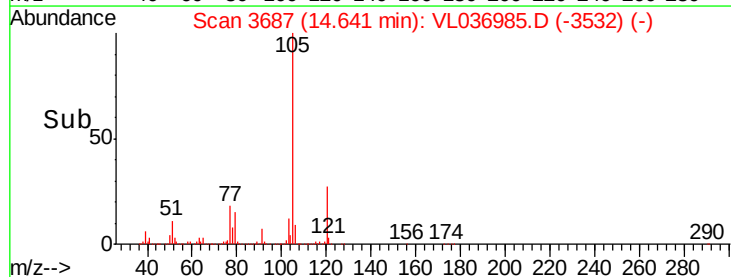
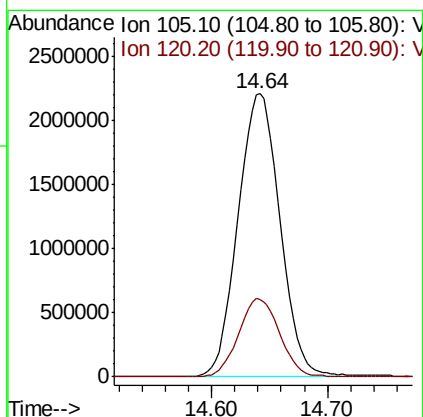
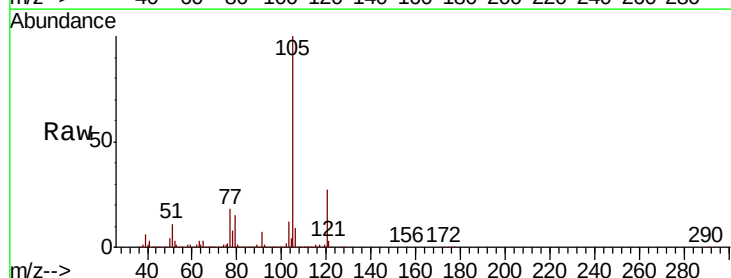
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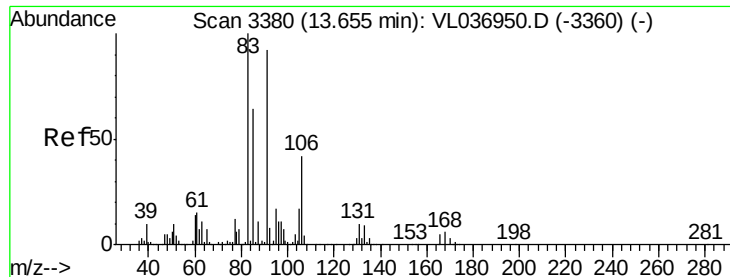
MMDadoda
5/24/2021 3:01:04 PM



#62
Isopropylbenzene
Concen: 9.059 ppbv
RT: 14.64 min Scan# 3687
Delta R.T. -0.00 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.4	21.7	32.5





#63

1,1,2,2-Tetrachloroethane

Concen: 8.503 ppbv

RT: 13.65 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 2703816

Ion Ratio Lower Upper

83 100

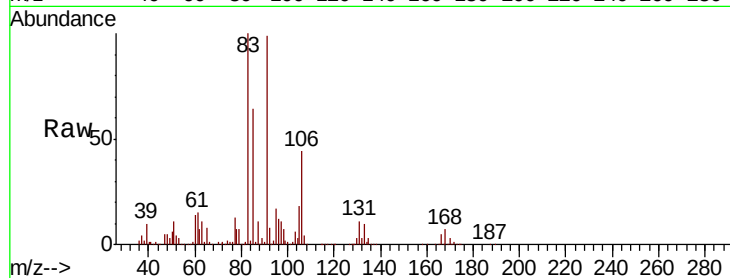
131 10.5 5.0 15.0

85 65.8 32.9 98.6

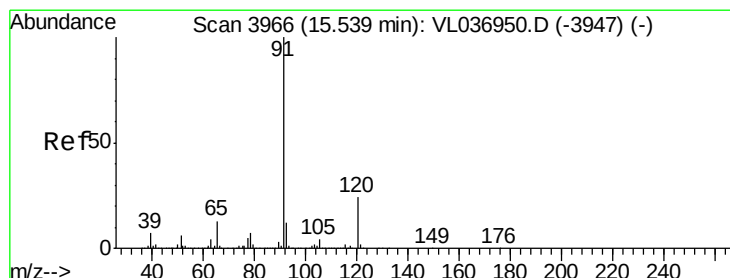
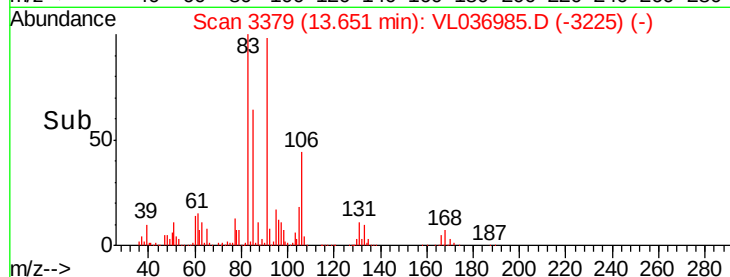
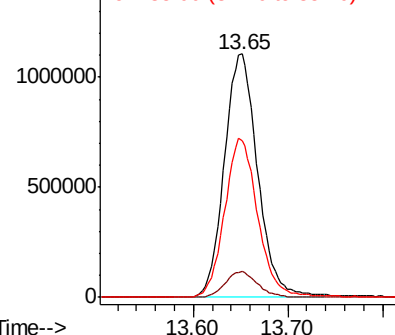
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Abundance Ion 83.00 (82.70 to 83.70): VL0
1500000 Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.721 ppbv

RT: 15.54 min Scan# 3965

Delta R.T. -0.00 min

Lab File: VL036985.D

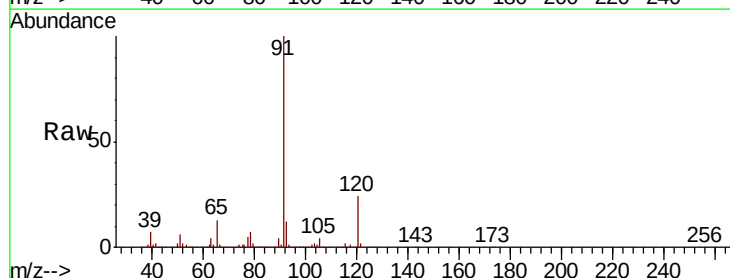
Acq: 19 May 2021 9:29

Tgt Ion: 120 Resp: 1534737

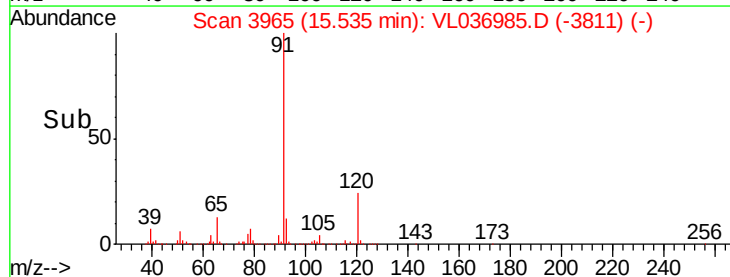
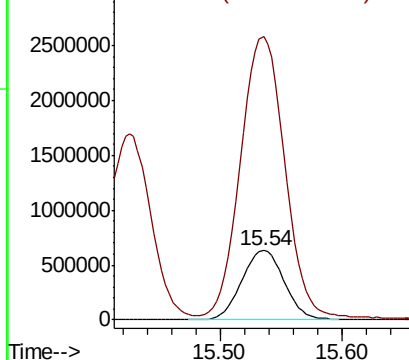
Ion Ratio Lower Upper

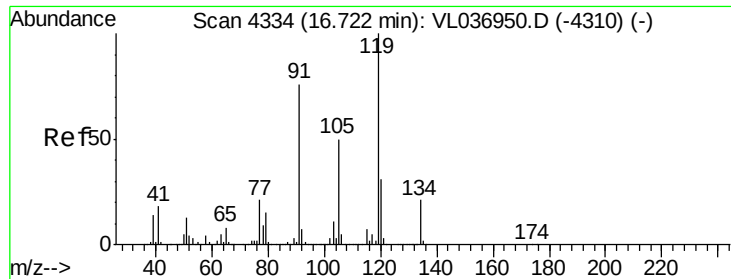
120 100

91 428.3 343.8 515.6



Abundance Ion 120.20 (119.90 to 120.90): V
3000000 Ion 91.10 (90.80 to 91.80): VL0





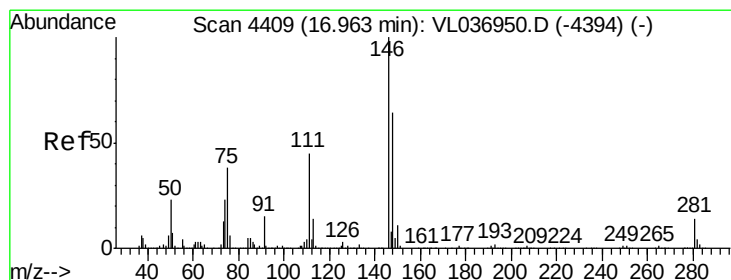
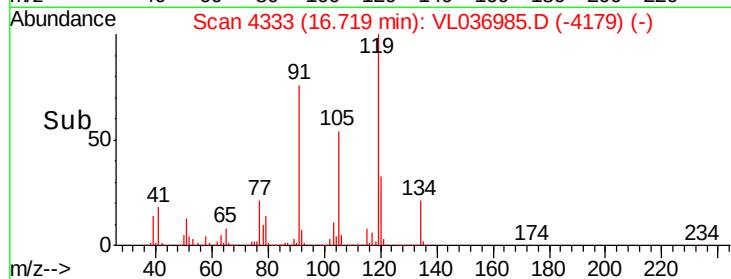
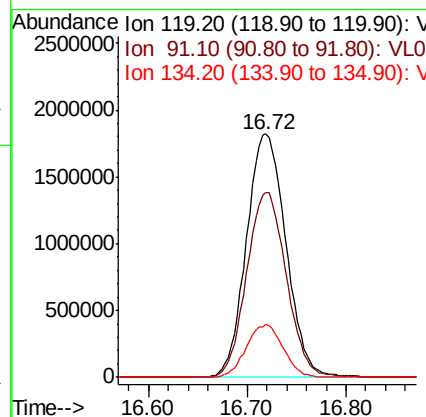
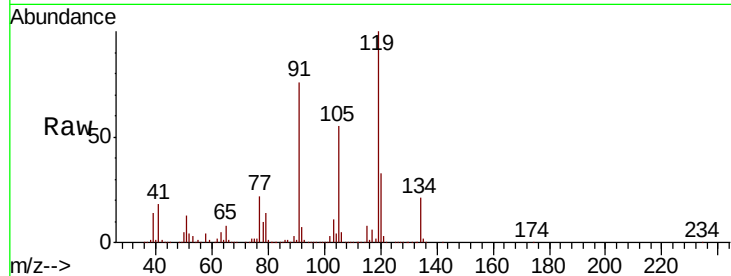
#65
 tert-Butylbenzene
 Concen: 9.122 ppbv
 RT: 16.72 min Scan# 4333
 Delta R.T. -0.00 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	76.5	61.9	92.9
134	20.4	16.2	24.4

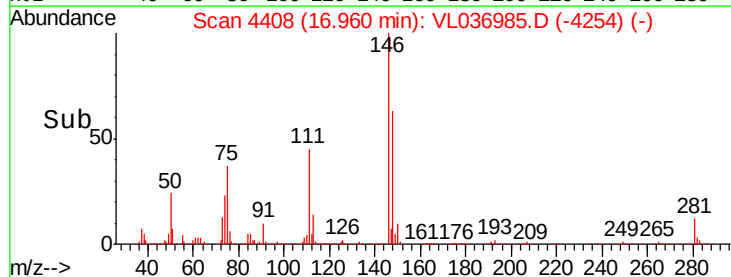
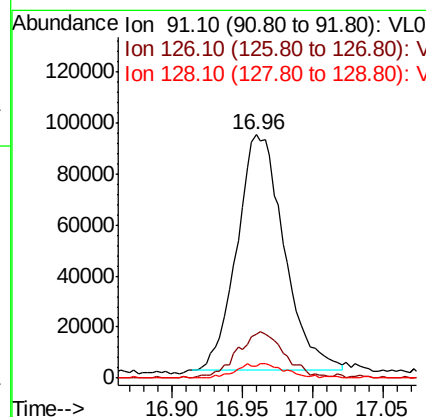
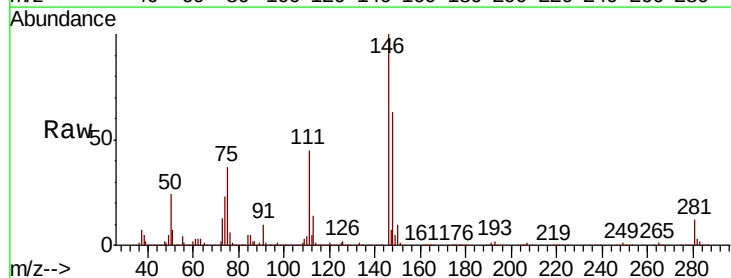
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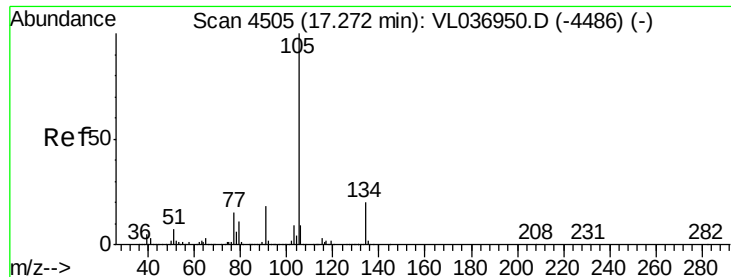
MMDadoda
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#66
 Benzyl Chloride
 Concen: 7.024 ppbv
 RT: 16.96 min Scan# 4408
 Delta R.T. -0.00 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	20.9	16.5	24.7
128	6.9	5.5	8.3





#67

sec-Butylbenzene

Concen: 9.136 ppbv

RT: 17.27 min Scan# 4503

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 6881590

Ion Ratio Lower Upper

105 100

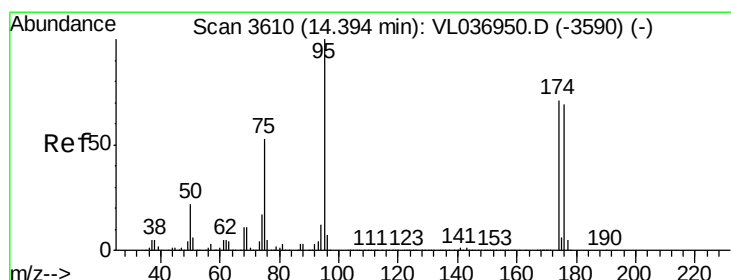
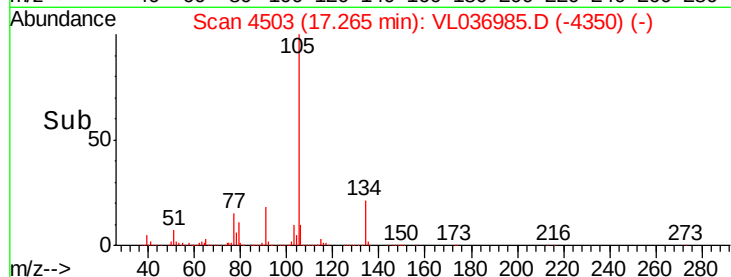
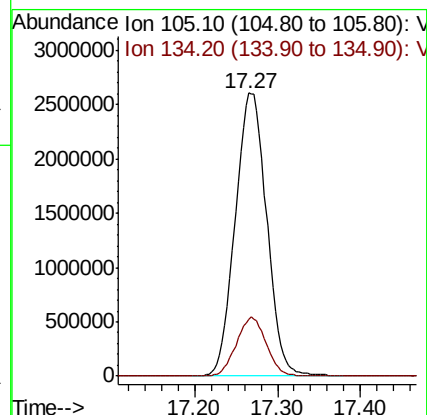
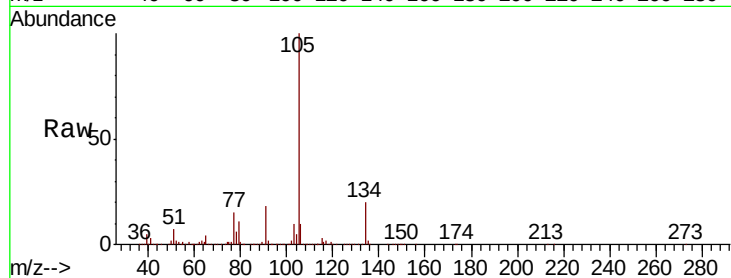
134 19.9 15.6 23.4

Manual Integrations

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.188 ppbv

RT: 14.39 min Scan# 3608

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

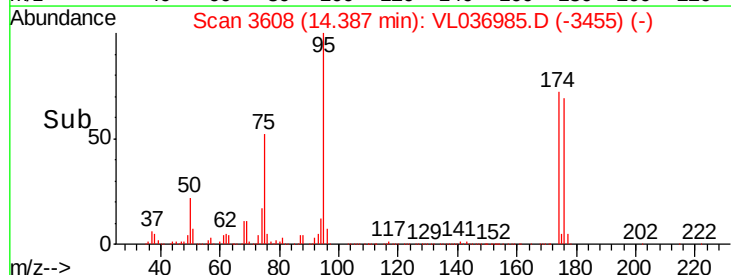
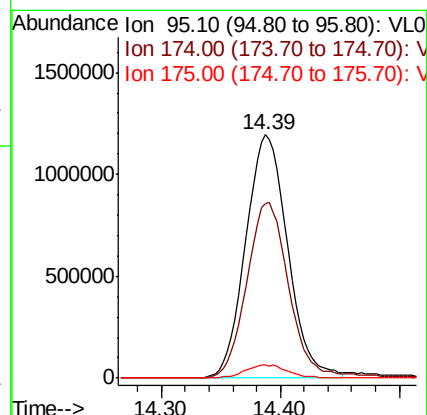
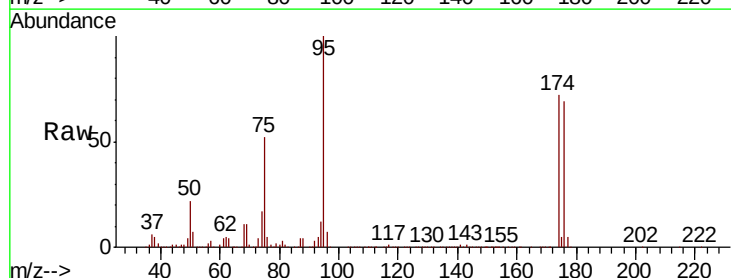
Tgt Ion: 95 Resp: 2928910

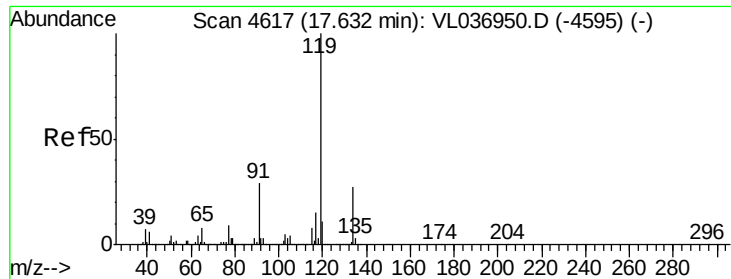
Ion Ratio Lower Upper

95 100

174 73.7 58.4 87.6

175 5.7 4.4 6.6





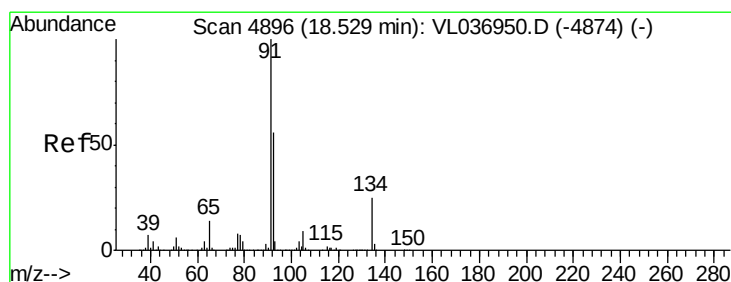
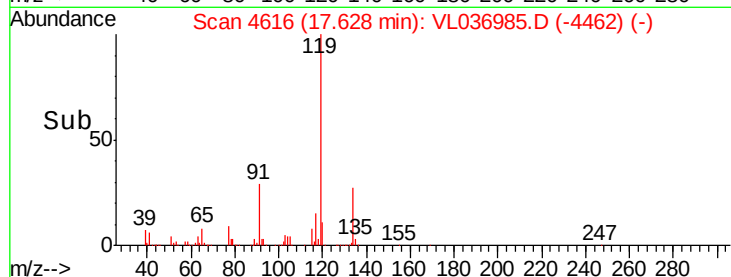
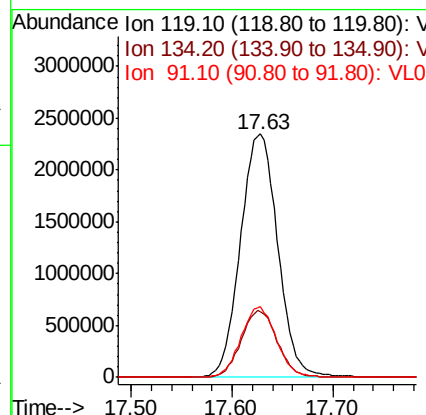
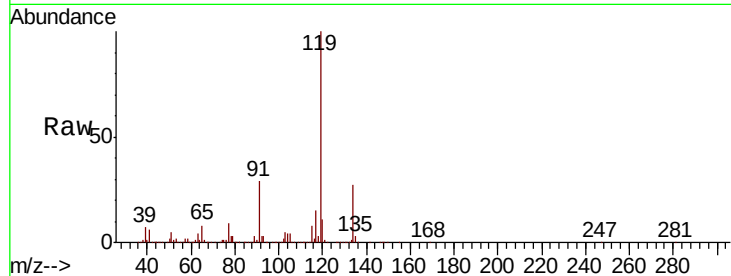
#69
 p-Isopropyltoluene
 Concen: 9.278 ppbv
 RT: 17.63 min Scan# 4616
 Delta R.T. -0.00 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	21.2	31.8
91	27.7	22.2	33.4

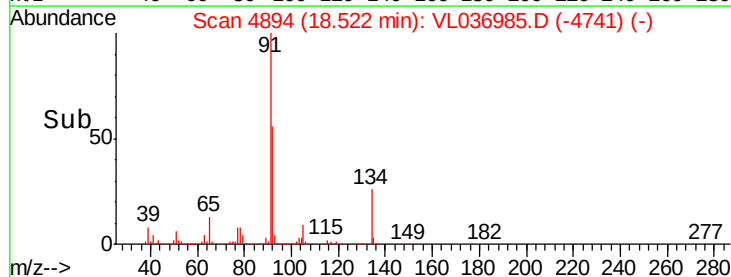
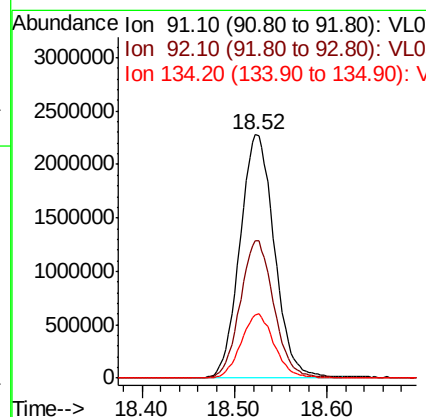
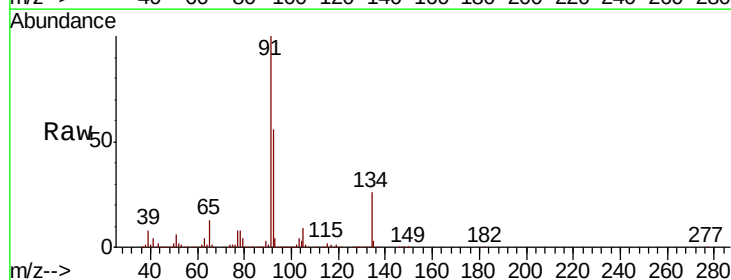
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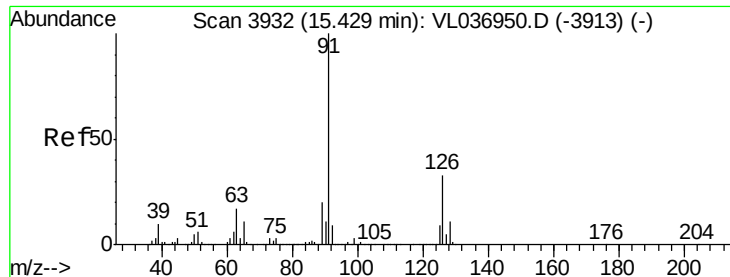
MMDadoda
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#70
 n-Butylbenzene
 Concen: 9.561 ppbv
 RT: 18.52 min Scan# 4894
 Delta R.T. -0.01 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.6	44.6	66.8
134	25.5	20.2	30.2





#71

2-Chlorotoluene

Concen: 9.327 ppbv

RT: 15.43 min Scan# 3931

Delta R.T. -0.00 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4122295

Ion Ratio Lower Upper

91 100

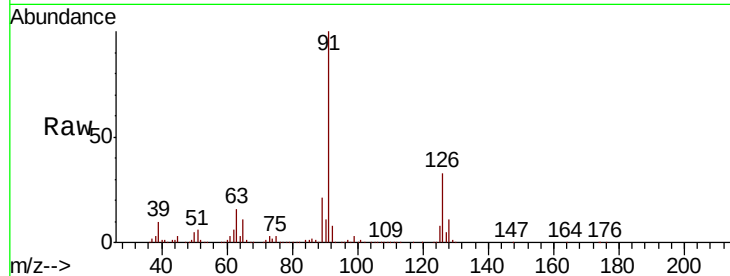
126 33.9 13.1 52.5

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

3000000

2500000

2000000

1500000

1000000

500000

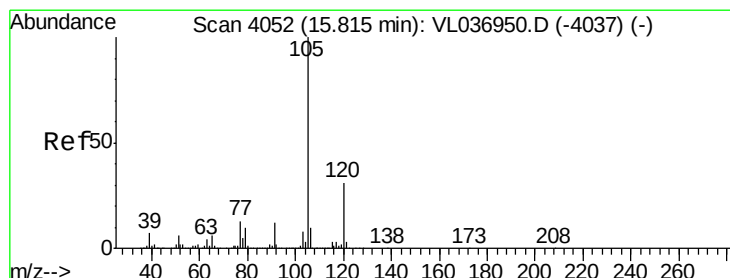
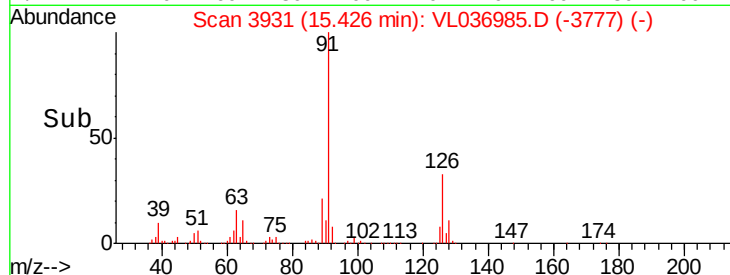
0

15.40

15.43

15.50

Time-->



#72

4-Ethyltoluene

Concen: 9.671 ppbv

RT: 15.81 min Scan# 4051

Delta R.T. -0.00 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Tgt Ion:105 Resp: 4887554

Ion Ratio Lower Upper

105 100

120 31.5 24.6 37.0

91 12.0 9.8 14.6

77 13.1 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

3000000

2500000

2000000

1500000

1000000

500000

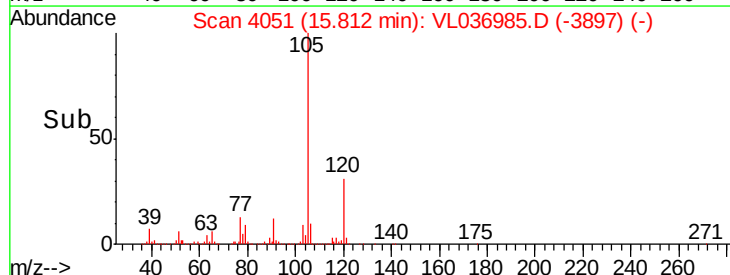
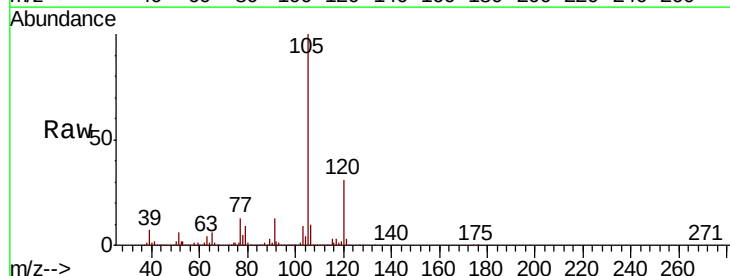
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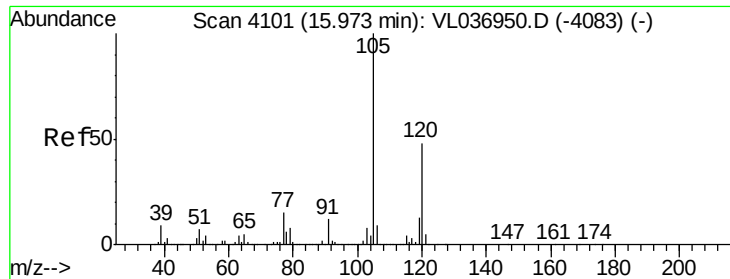
15.80

15.81

15.90

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 9.285 ppbv

RT: 15.97 min Scan# 4101

Delta R.T. -0.00 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 4406513

Ion Ratio Lower Upper

105 100

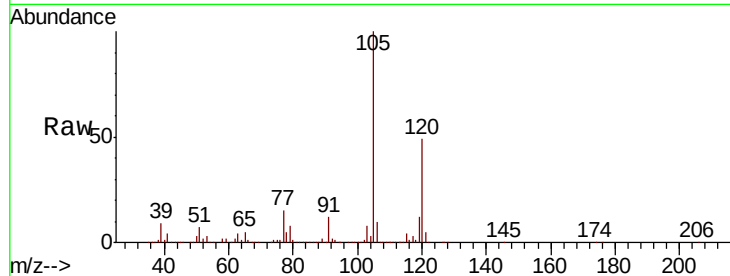
120 49.6 38.6 58.0

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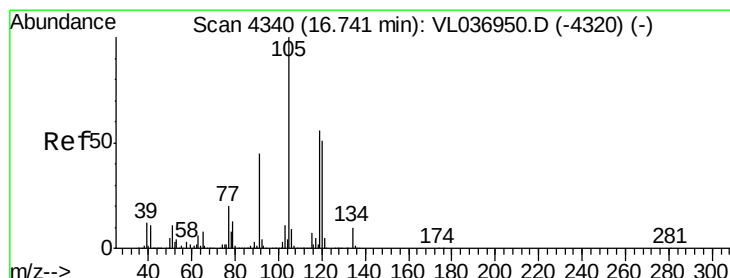
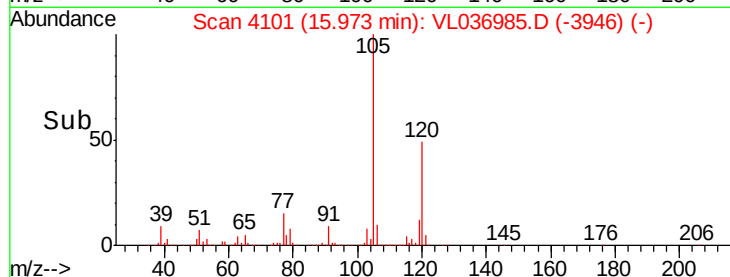
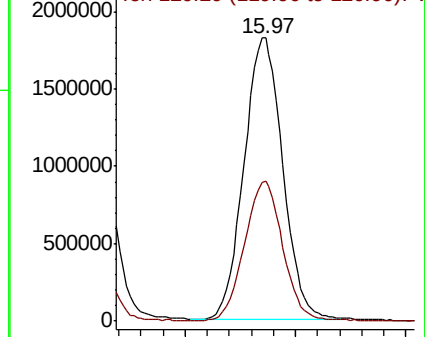
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.346 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.00 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Tgt Ion:105 Resp: 4585807

Ion Ratio Lower Upper

105 100

120 49.6 40.6 61.0

91 44.4 37.4 56.0

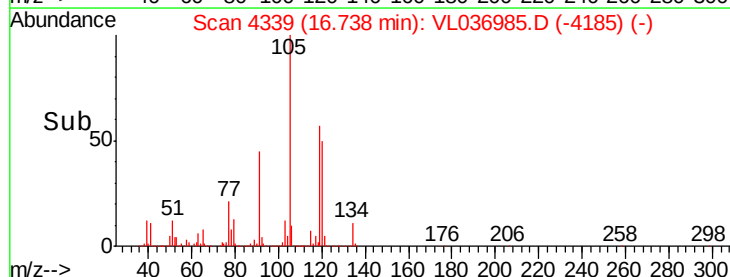
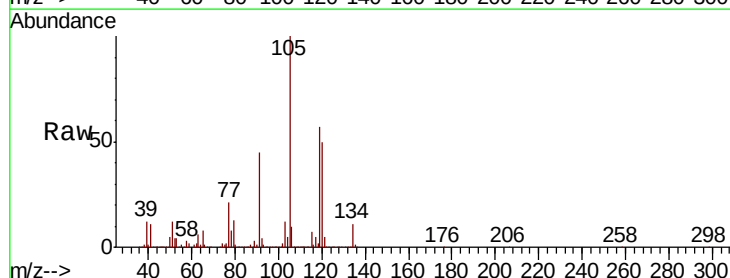
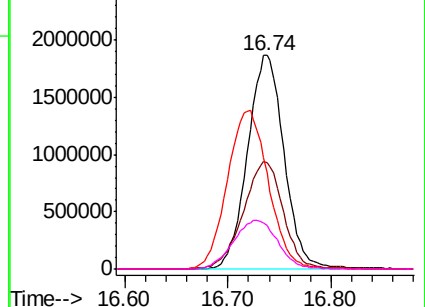
77 20.5 16.2 24.4

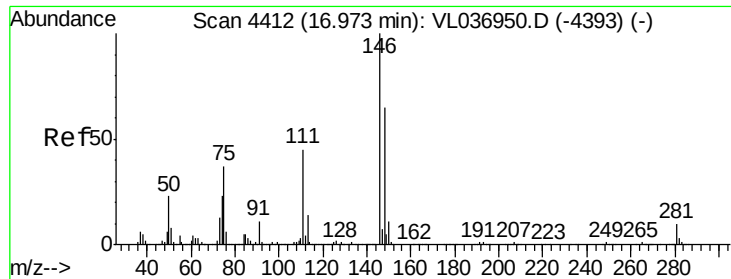
Abundance Ion 105.10 (104.80 to 105.80): V

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





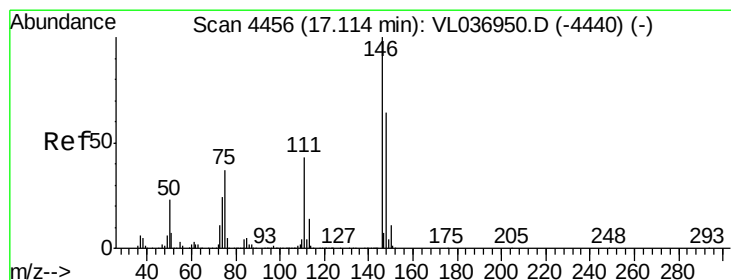
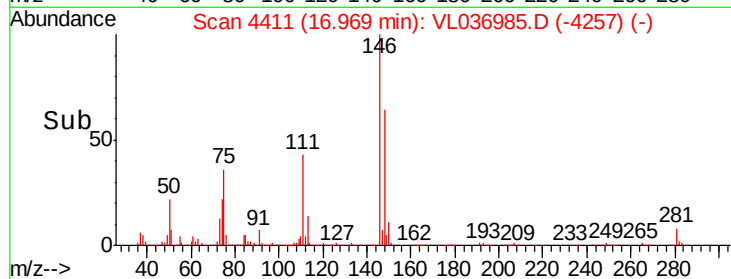
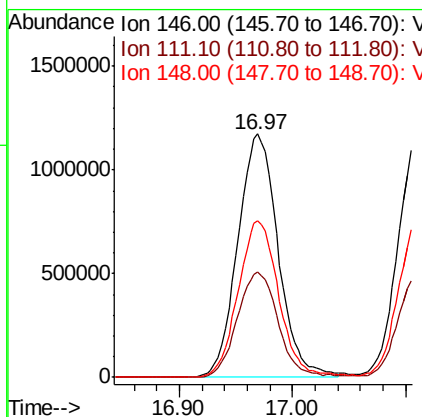
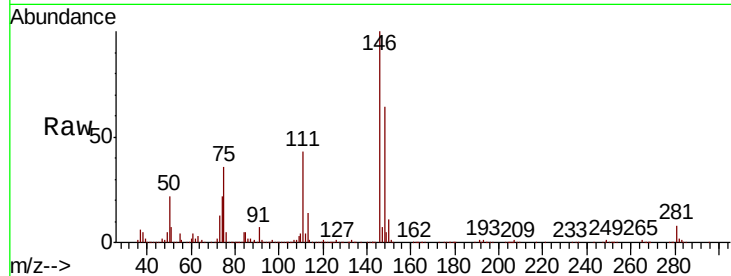
#75
 1,3-Dichlorobenzene
 Concen: 9.664 ppbv
 RT: 16.97 min Scan# 4411
 Delta R.T. -0.00 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.2	66.6
148	65.0	32.3	96.8

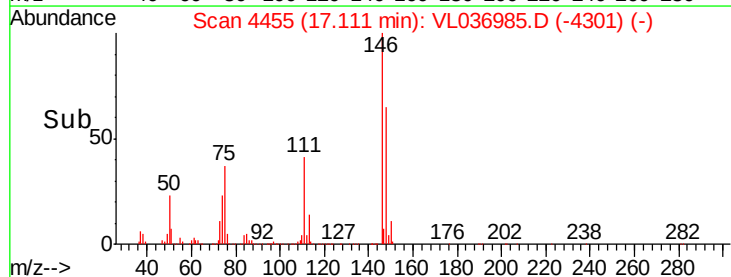
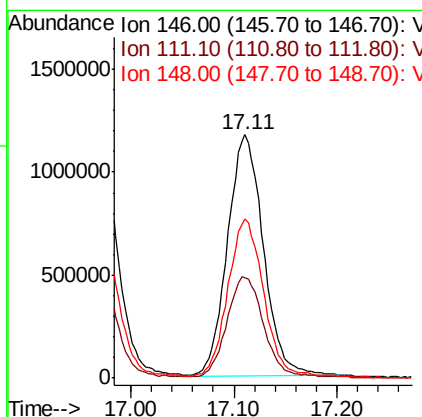
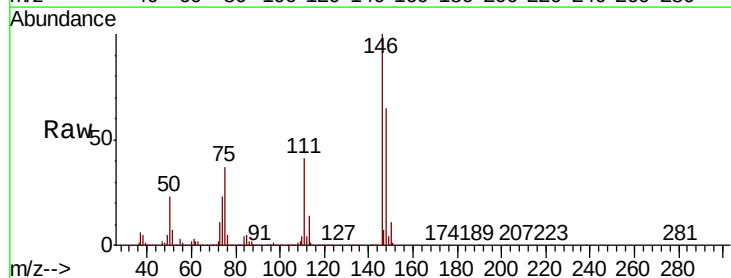
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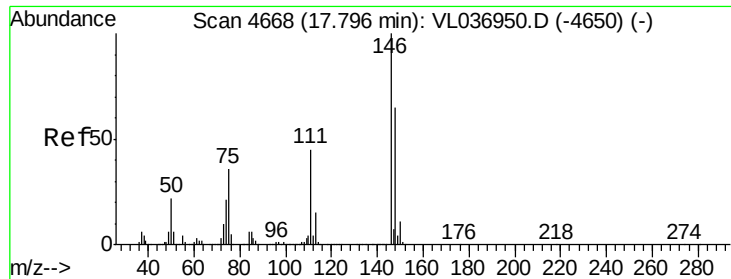
MMDadoda
 5/24/2021 3:01:04 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.388 ppbv
 RT: 17.11 min Scan# 4455
 Delta R.T. -0.00 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.6	67.7
148	66.5	33.5	100.5





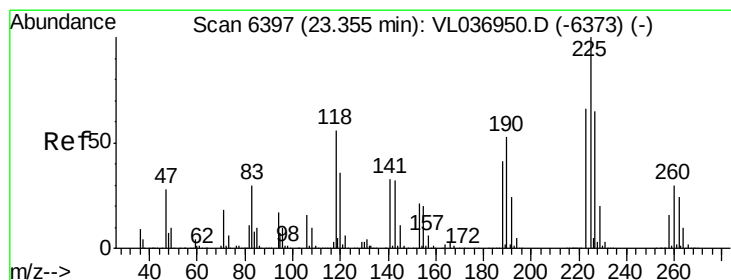
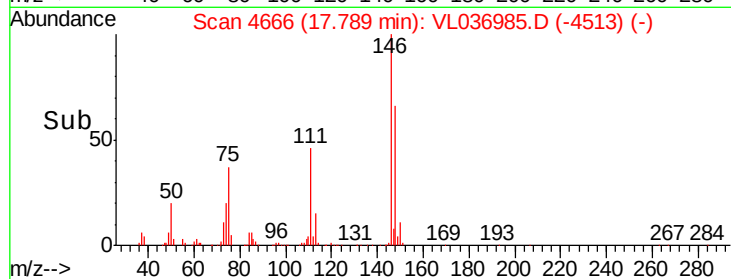
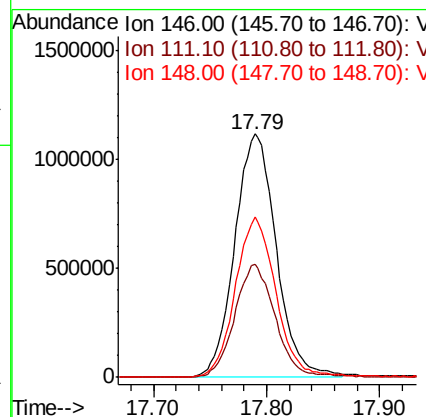
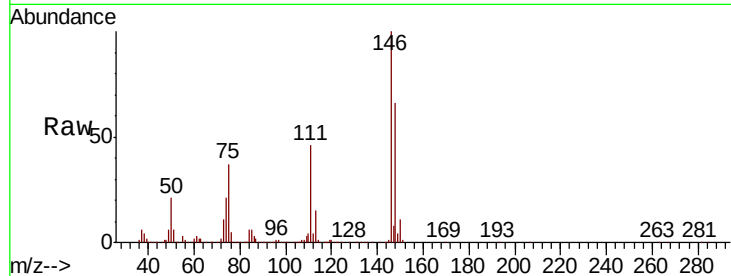
#77
 1,2-Dichlorobenzene
 Concen: 9.419 ppbv
 RT: 17.79 min Scan# 4666
 Delta R.T. -0.01 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.0	23.1	69.2
148	64.9	32.5	97.4

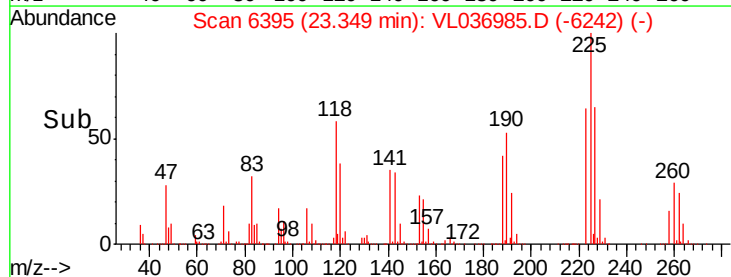
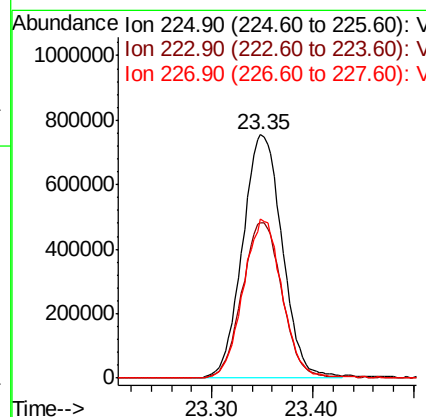
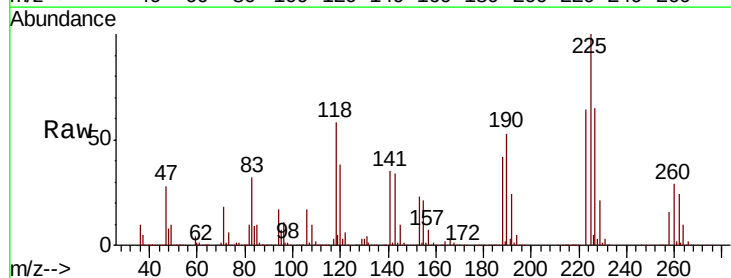
Manual Integrations
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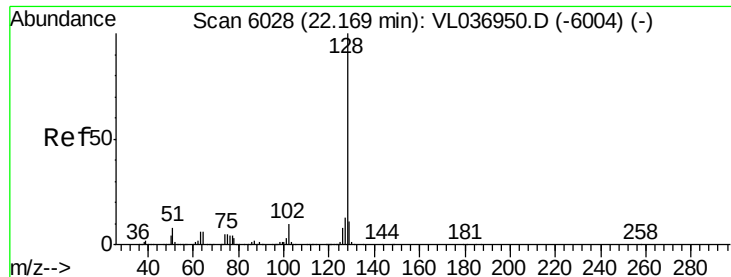
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 5/24/2021 3:01:04 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.527 ppbv
 RT: 23.35 min Scan# 6395
 Delta R.T. -0.01 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	51.9	77.9
227	64.5	51.8	77.6





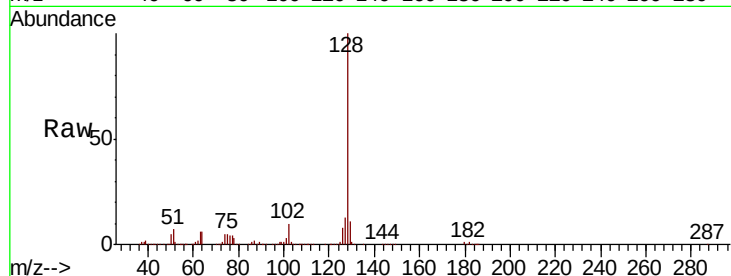
#79
Naphthalene
Concen: 11.273 ppbv
RT: 22.16 min Scan# 6026
Delta R.T. -0.01 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

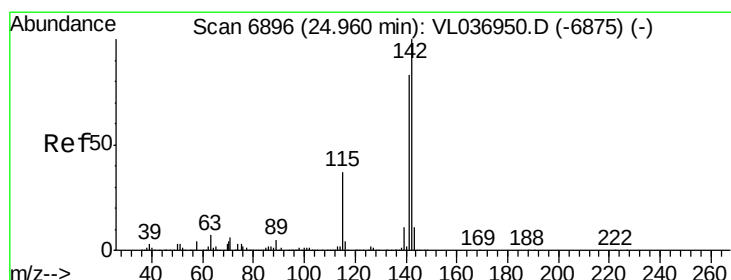
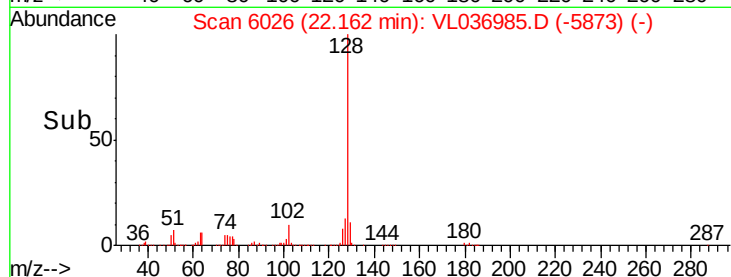
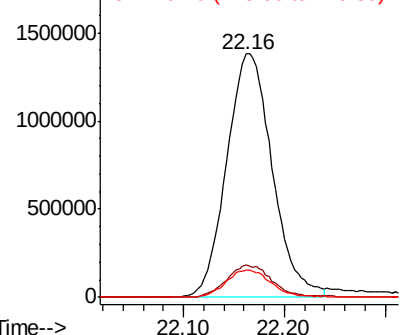
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.3	9.0	13.6

Manual Integrations
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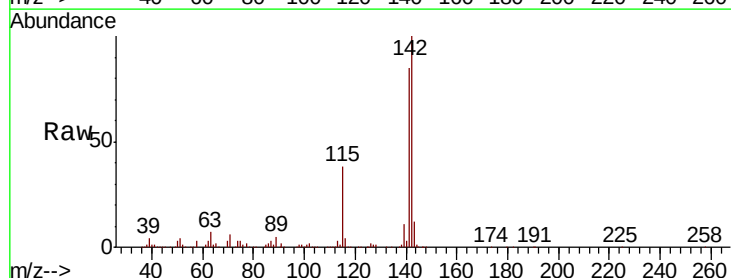


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

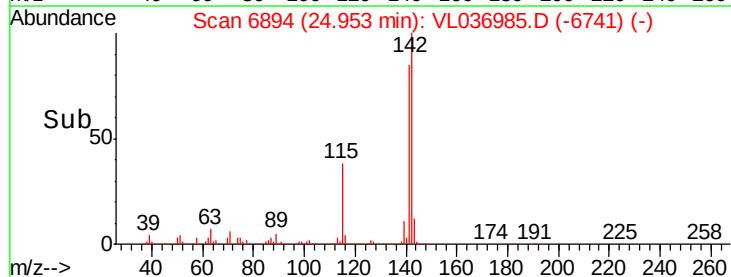
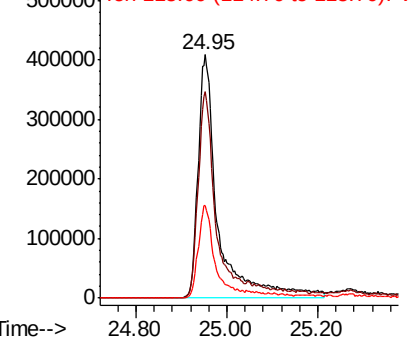


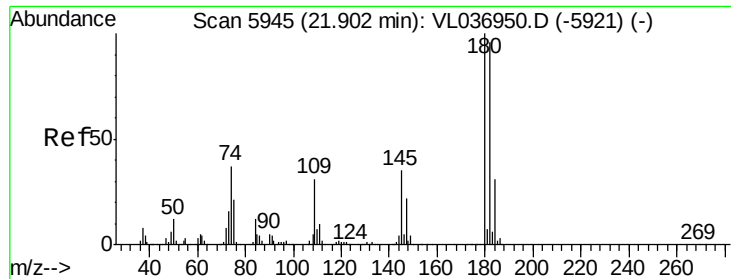
#80
Naphthalene, 2-methyl-
Concen: 14.914 ppbv
RT: 24.95 min Scan# 6894
Delta R.T. -0.01 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	80.6	69.3	103.9
115	35.4	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: 10.434 ppbv
 RT: 21.90 min Scan# 5943
 Delta R.T. -0.01 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.6	81.7	122.5
184	31.2	24.9	37.3

Manual Integrations
 APPROVED

MMDadoda
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