

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070219\
 Data File : VL033996.D
 Acq On : 2 Jul 2019 21:56
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL070219

Manual Integrations
 APPROVED

MMDadoda
 7/3/2019 11:03:35 PM

Quant Time: Jul 02 22:24:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 02 2019
 QLast Update : Tue Jul 02 19:31:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.74	49	1134952	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.26	114	2889765	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.21	117	3032097	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.54	95	2332167	9.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	1921194	8.203	ppbv 99
3) Chlorodifluoromethane	3.00	51	1269949	9.061	ppbv 99
4) Chloromethane	3.15	50	709974	8.810	ppbv 94
5) Vinyl Chloride	3.28	62	770326	8.501	ppbv 100
6) Bromomethane	3.50	94	486293	9.100	ppbv 95
7) Chloroethane	3.58	64	298660	9.222	ppbv 99
8) Dichlorotetrafluoroethane	3.20	85	1967936	8.618	ppbv 100
9) Propene	3.02	41	495410	9.609	ppbv 98
10) Heptane	8.22	43	1401196	10.854	ppbv 99
11) Trichlorofluoromethane	3.99	101	2086247	7.921	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.53	101	1593828	8.550	ppbv 99
13) Ethanol	3.63	45	132824	8.293	ppbv 98
14) Bromoethene	3.77	108	651323	9.356	ppbv 99
15) Acetone	3.88	43	1410652	7.393	ppbv 97
16) 1,3-Butadiene	3.35	39	642960	9.542	ppbv 98
17) tert-Butyl alcohol	4.34	59	1494731	9.825	ppbv 99
18) 1,1-Dichloroethene	4.33	96	744417	8.966	ppbv 97
19) Isopropyl Alcohol	4.00	45	1109975	8.666	ppbv 99
20) Methylene Chloride	4.39	84	652793	7.844	ppbv 95
21) Allyl Chloride	4.46	41	1115653	9.377	ppbv 99
22) trans-1,2-Dichloroethene	4.94	96	771027	9.746	ppbv 98
23) Vinyl Acetate	5.13	43	2039378	10.708	ppbv 98
24) 1,1-Dichloroethane	5.07	63	1609631	9.536	ppbv 99
25) Ethyl Acetate	5.74	43	2624363	10.055	ppbv 100
26) Hexane	5.75	57	1223022	10.240	ppbv 97
27) Carbon Disulfide	4.60	76	1933138	9.521	ppbv 100
28) Methyl tert-Butyl Ether	5.09	73	2135352	10.557	ppbv 99
29) Chloroform	5.83	83	2076340	9.251	ppbv 98
30) Cyclohexane	7.22	84	1029600	11.163	ppbv 96
31) cis-1,2-Dichloroethene	5.62	61	1223678	10.605	ppbv 98
32) 1,1,1-Trichloroethane	6.60	97	2038375	8.960	ppbv 99
34) 2-Butanone	5.31	43	1590806	10.402	ppbv 100
35) Carbon Tetrachloride	7.11	117	2167997	9.477	ppbv 100
36) Benzene	6.98	78	2423017	10.716	ppbv 97
37) 1,2-Dichloroethane	6.39	62	1608927	9.659	ppbv 99
38) Trichloroethene	7.93	130	1066754	10.603	ppbv 95
39) 1,2-Dichloropropane	7.71	63	896706	10.665	ppbv 97
40) 1,4-Dioxane	7.93	88	427090m	11.002	ppbv
41) Tetrahydrofuran	6.12	42	857272	11.430	ppbv 99
42) Bromodichloromethane	7.89	83	2263986	10.129	ppbv 100
43) Methyl Methacrylate	8.11	69	1000773	11.665	ppbv 98

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Manual Integrations
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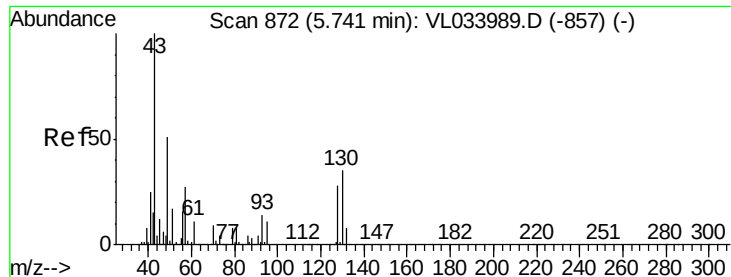
MMDadoda
 7/3/2019 11:03:35 PM

Quant Time: Jul 02 22:24:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 0
 QLast Update : Tue Jul 02 19:31:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.97	57	4140004	10.607	ppbv	99
45) t-1,3-Dichloropropene	9.39	75	1359123	12.115	ppbv	95
46) cis-1,3-Dichloropropene	8.80	75	1474680	11.350	ppbv	96
47) 1,1,2-Trichloroethane	9.59	97	1081475	10.230	ppbv	98
48) Dibromochloromethane	10.42	129	1953507	9.684	ppbv	100
49) Bromoform	13.17	173	1876560	10.889	ppbv	100
50) 4-Methyl-2-Pentanone	8.84	43	2338840	10.306	ppbv	99
51) 2-Hexanone	10.24	43	1983019	10.835	ppbv #	99
52) Tetrachloroethene	11.34	164	1018125	10.462	ppbv	99
53) Toluene	9.92	91	2993381	11.565	ppbv	99
54) 1,2-Dibromoethane	10.73	107	1659236	10.635	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.25	131	1300990	9.600	ppbv	98
57) Chlorobenzene	12.27	112	2334545	9.671	ppbv	97
58) Ethyl Benzene	12.83	91	4101332	11.248	ppbv	100
59) m/p-Xylene	13.12	91	7041869m	21.329	ppbv	
60) o-Xylene	13.82	91	3409815	10.324	ppbv	99
61) Styrene	13.65	104	2608251	11.933	ppbv	99
62) Isopropylbenzene	14.79	105	4473403	8.811	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.81	83	2379830	9.309	ppbv	98
64) n-propylbenzene	15.69	120	1152795	8.756	ppbv	98
65) tert-Butylbenzene	16.88	119	3961829	9.176	ppbv	99
66) Benzyl Chloride	17.13	91	2250303	10.187	ppbv	100
67) sec-Butylbenzene	17.43	105	5625625	9.283	ppbv	100
69) p-Isopropyltoluene	17.79	119	4647382	9.301	ppbv	99
70) n-Butylbenzene	18.68	91	4768635	9.085	ppbv	99
71) 2-Chlorotoluene	15.59	91	3371395	9.073	ppbv	100
72) 4-Ethyltoluene	15.97	105	3945546	9.302	ppbv	98
73) 1,3,5-Trimethylbenzene	16.13	105	3733627	9.461	ppbv	100
74) 1,2,4-Trimethylbenzene	16.89	105	3899523	8.921	ppbv	98
75) 1,3-Dichlorobenzene	17.14	146	2330044	8.392	ppbv	100
76) 1,4-Dichlorobenzene	17.27	146	2330121	8.910	ppbv	98
77) 1,2-Dichlorobenzene	17.96	146	2208902	8.591	ppbv	100
78) Hexachloro-1,3-Butadiene	23.51	225	1668259	7.626	ppbv	98
79) Naphthalene	22.37	128	3591418	9.773	ppbv	97
80) Naphthalene, 2-methyl-	25.08	142	1200622	8.978	ppbv	99
81) 1,2,4-Trichlorobenzene	22.09	180	2157498	9.141	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.74 min Scan# 871

Delta R.T. -0.00 min

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MSVOA_L

ClientSampleId :

ICVVL070219

Tot Ion: 49 Resp: 1134952

Ion Ratio Lower Upper

49 100

128 54.7 27.9 83.6

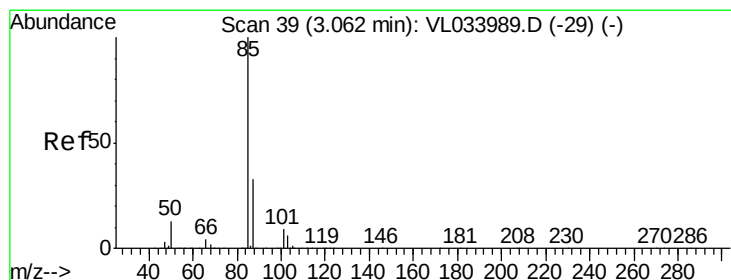
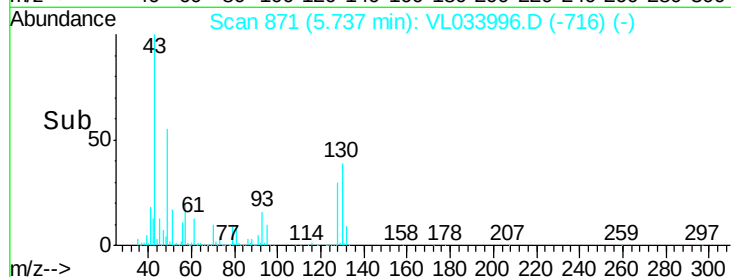
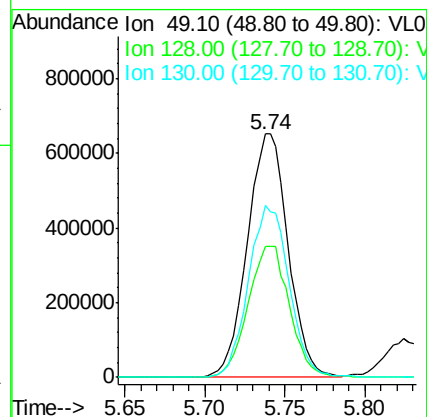
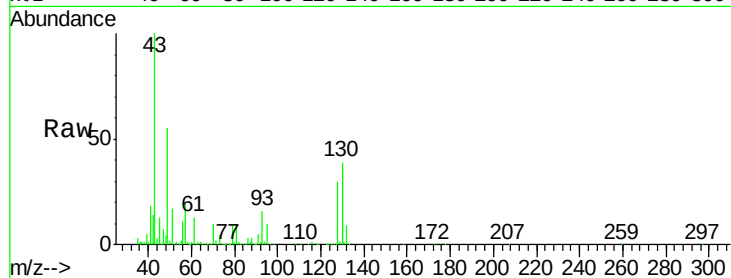
130 70.8 35.8 107.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 8.203 ppbv

RT: 3.06 min Scan# 38

Delta R.T. -0.00 min

Lab File: VL033996.D

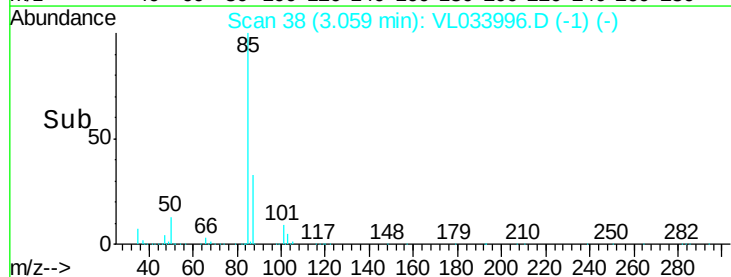
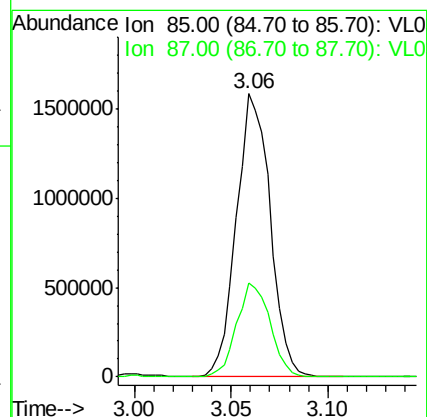
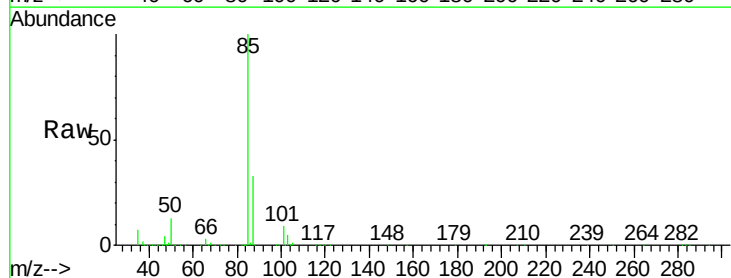
Acq: 2 Jul 2019 21:56

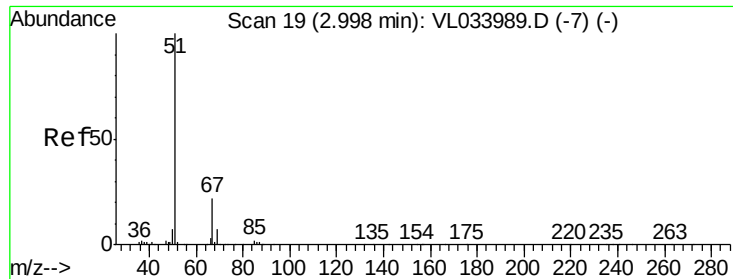
Tgt Ion: 85 Resp: 1921194

Ion Ratio Lower Upper

85 100

87 33.3 26.0 39.0





#3

Chlorodifluoromethane

Concen: 9.061 ppbv

RT: 3.00 min Scan# 20

Delta R.T. 0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070219

Tot Ion: 51 Resp: 1269949

Ion Ratio Lower Upper

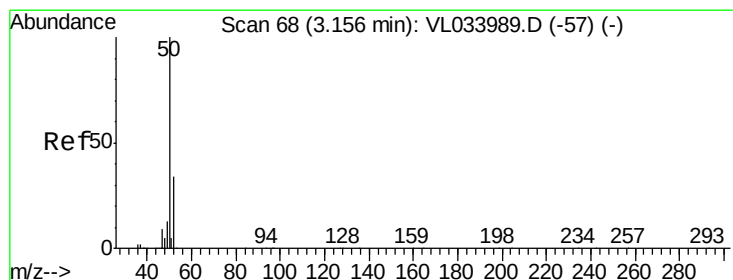
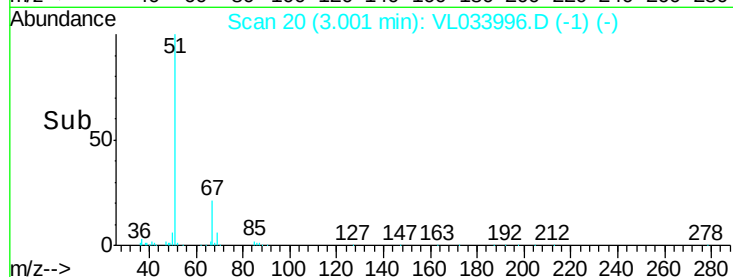
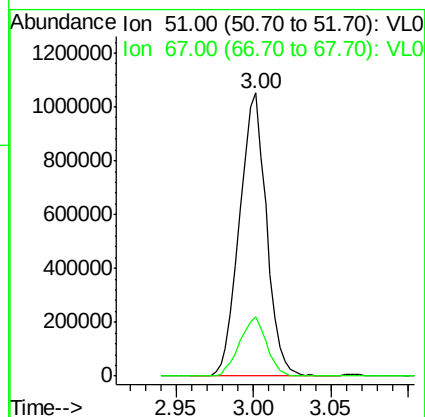
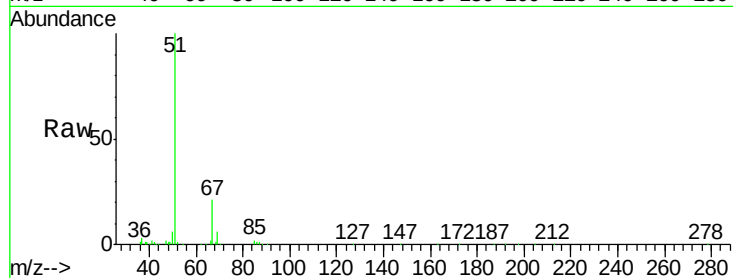
51 100

67 21.0 17.3 25.9

Manual Integrations
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#4

Chloromethane

Concen: 8.810 ppbv

RT: 3.15 min Scan# 67

Delta R.T. -0.00 min

Lab File: VL033996.D

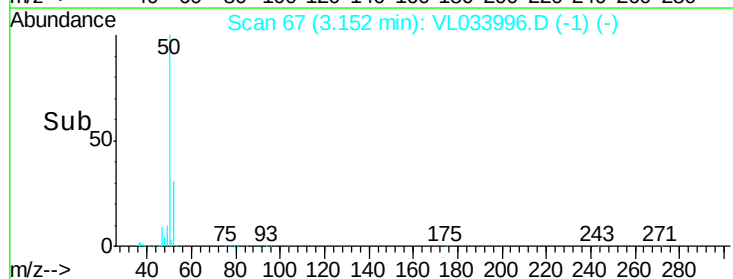
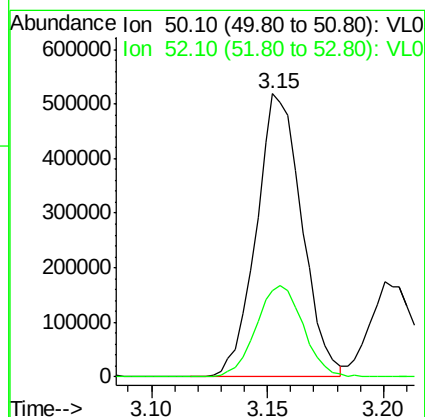
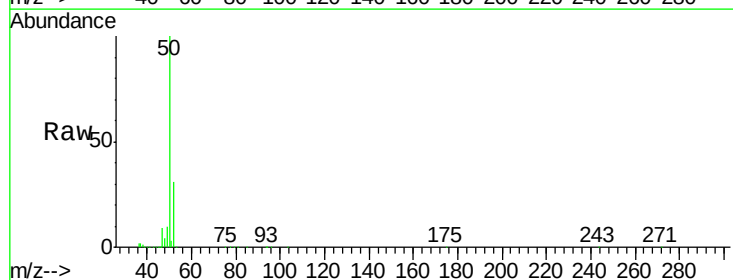
Acq: 2 Jul 2019 21:56

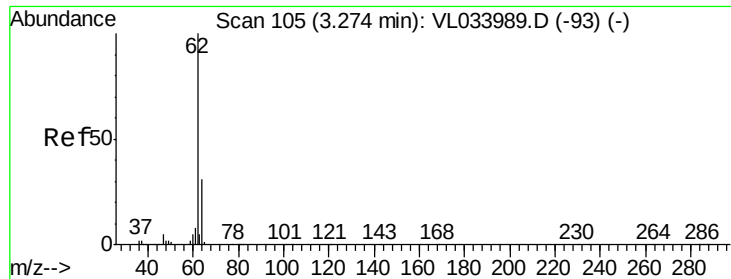
Tgt Ion: 50 Resp: 709974

Ion Ratio Lower Upper

50 100

52 30.7 27.4 41.0





#5

Vinyl Chloride

Concen: 8.501 ppbv

RT: 3.28 min Scan# 106

Delta R.T. 0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070219

Tot Ion: 62 Resp: 770326

Ion Ratio Lower Upper

62 100

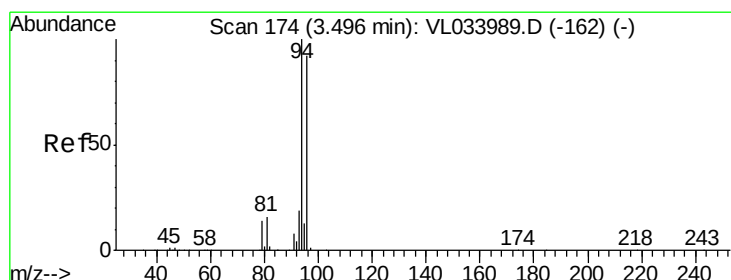
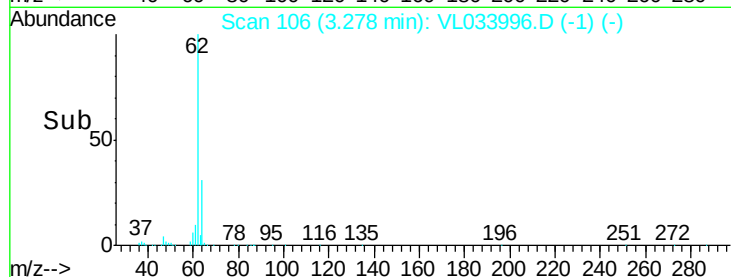
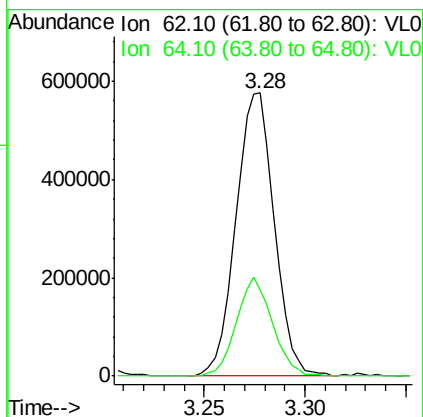
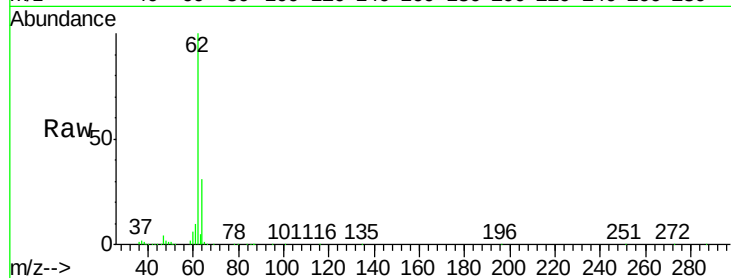
64 30.6 24.4 36.6

Manual Integrations

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#6

Bromomethane

Concen: 9.100 ppbv

RT: 3.50 min Scan# 174

Delta R.T. 0.00 min

Lab File: VL033996.D

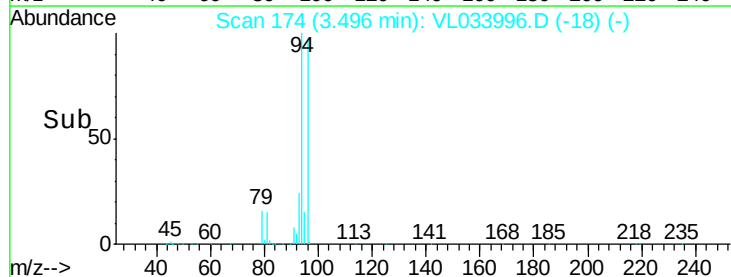
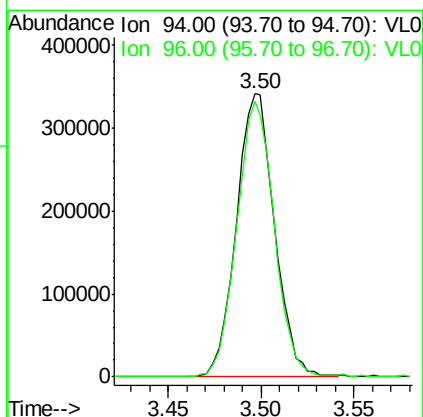
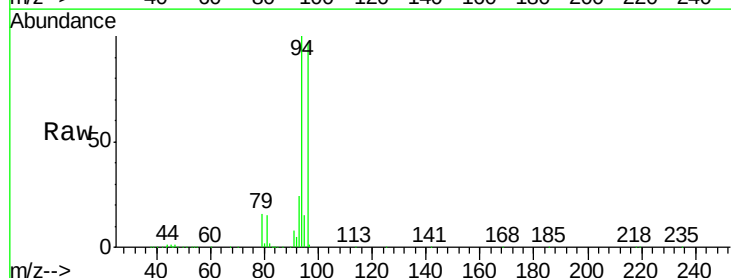
Acq: 2 Jul 2019 21:56

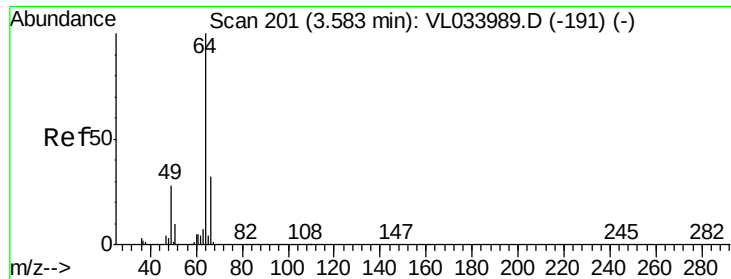
Tgt Ion: 94 Resp: 486293

Ion Ratio Lower Upper

94 100

96 97.1 73.8 110.8





#7

Chloroethane

Concen: 9.222 ppbv

RT: 3.58 min Scan# 200

Delta R.T. -0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070219

Tot Ion: 64 Resp: 298660

Ion Ratio Lower Upper

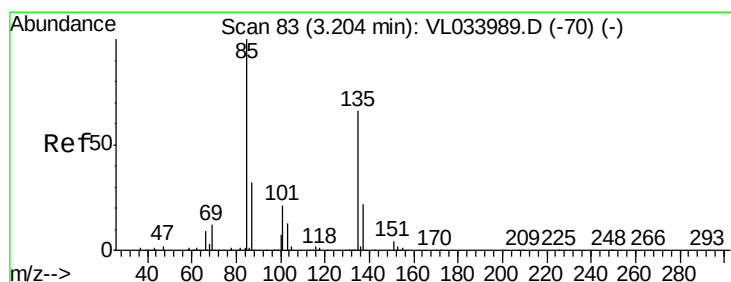
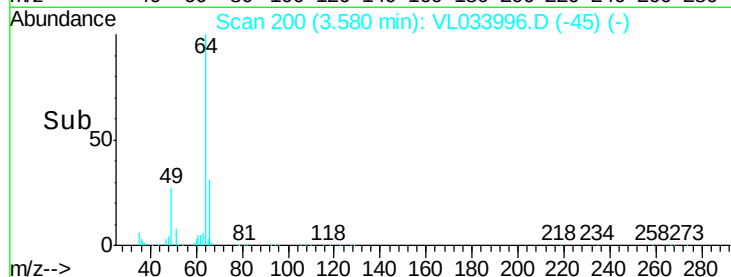
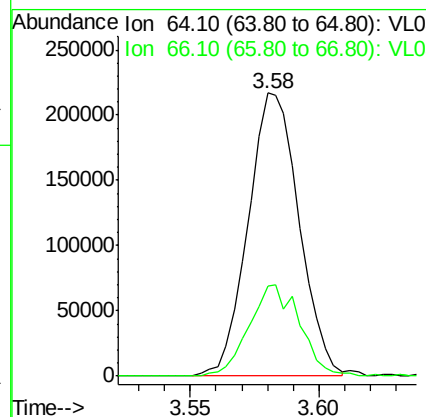
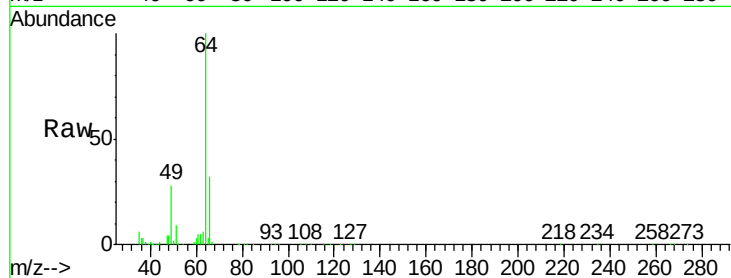
64 100

66 32.0 25.3 37.9

Manual Integrations
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#8

Dichlorotetrafluoroethane

Concen: 8.618 ppbv

RT: 3.20 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL033996.D

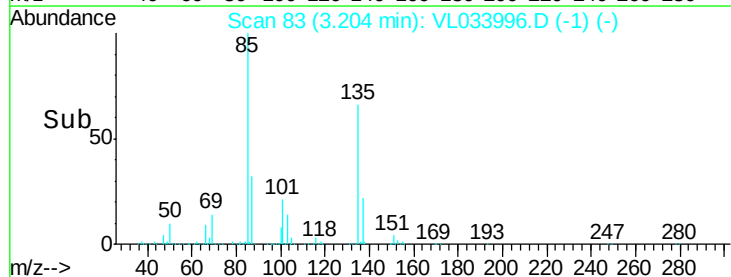
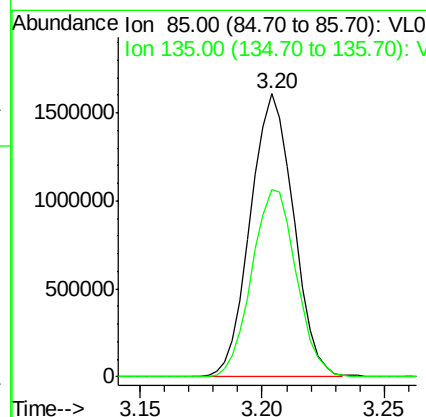
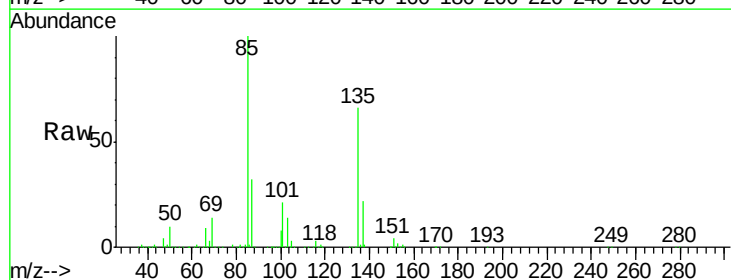
Acq: 2 Jul 2019 21:56

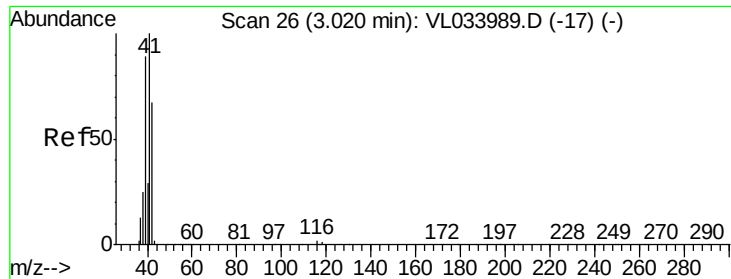
Tgt Ion: 85 Resp: 1967936

Ion Ratio Lower Upper

85 100

135 68.5 55.0 82.4





#9

Propene

Concen: 9.609 ppbv

RT: 3.02 min Scan# 26

Delta R.T. 0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070219

Tot Ion: 41 Resp: 495410

Ion Ratio Lower Upper

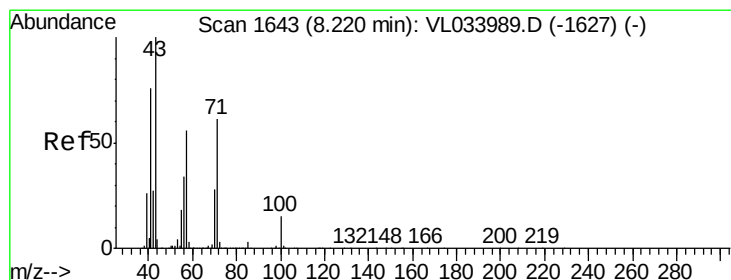
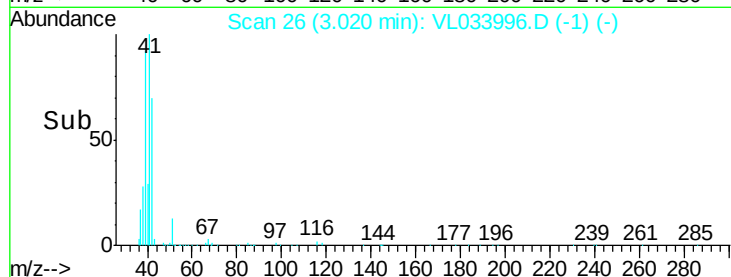
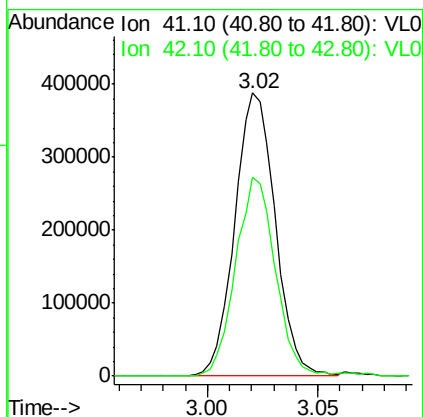
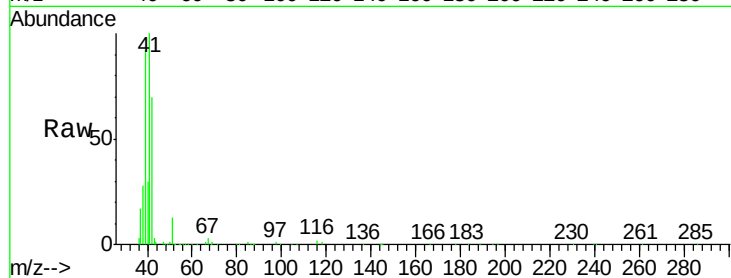
41 100

42 69.7 57.1 85.7

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#10

Heptane

Concen: 10.854 ppbv

RT: 8.22 min Scan# 1642

Delta R.T. -0.00 min

Lab File: VL033996.D

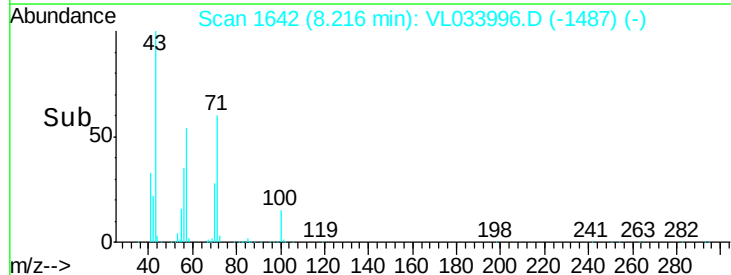
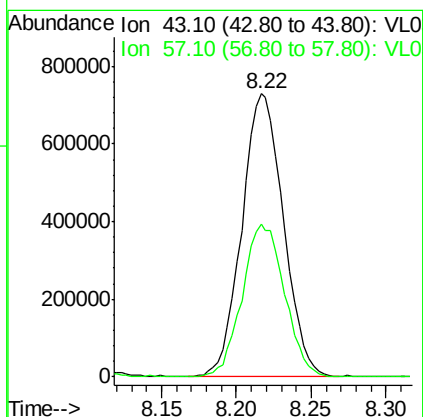
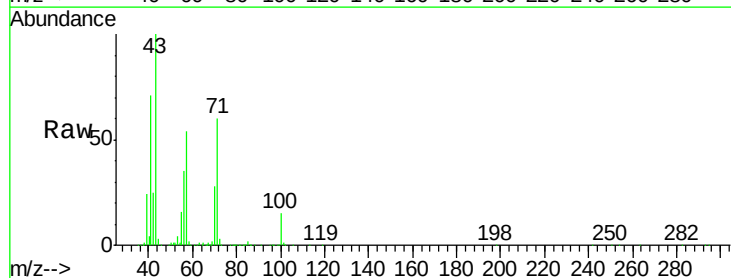
Acq: 2 Jul 2019 21:56

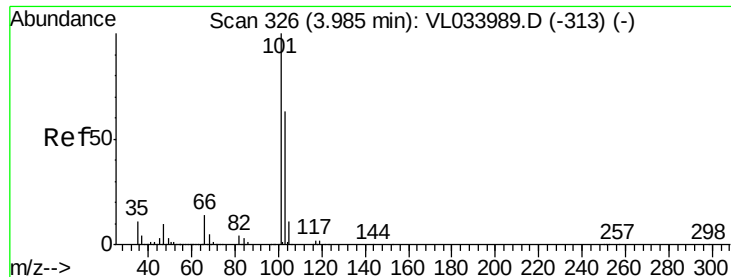
Tgt Ion: 43 Resp: 1401196

Ion Ratio Lower Upper

43 100

57 55.0 44.6 66.8





#11

Trichlorofluoromethane

Concen: 7.921 ppbv

RT: 3.99 min Scan# 326

Delta R.T. 0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070219

Tot Ion:101 Resp: 2086247

Ion Ratio Lower Upper

101 100

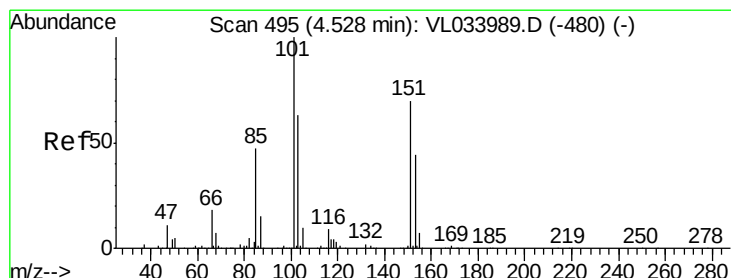
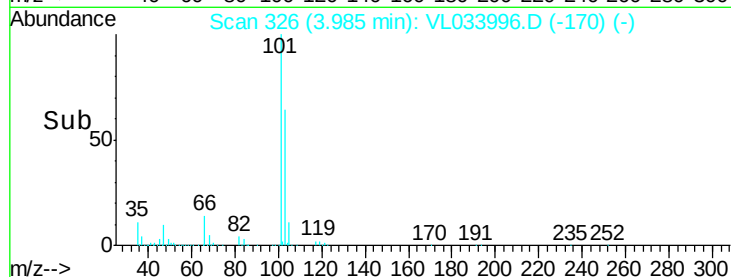
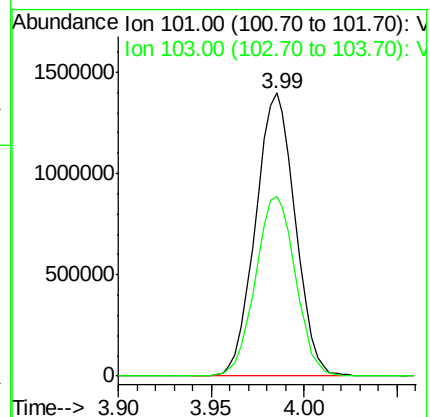
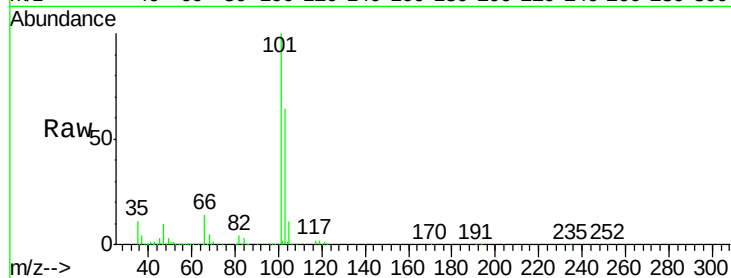
103 63.6 50.8 76.2

Manual Integrations

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.550 ppbv

RT: 4.53 min Scan# 496

Delta R.T. 0.00 min

Lab File: VL033996.D

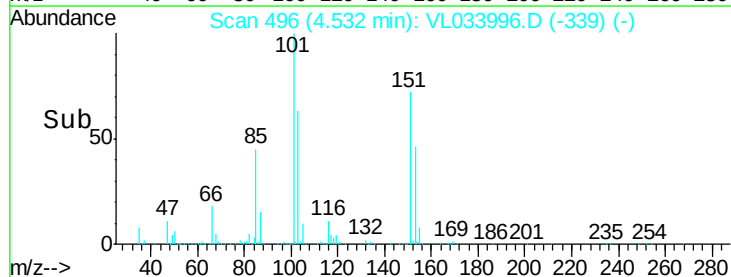
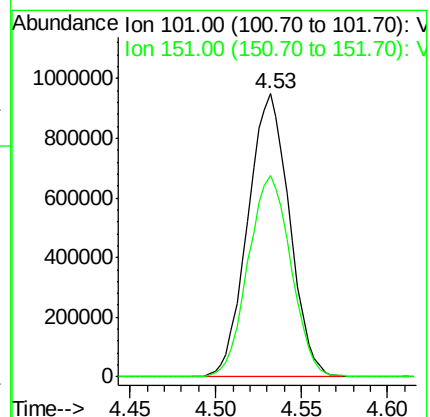
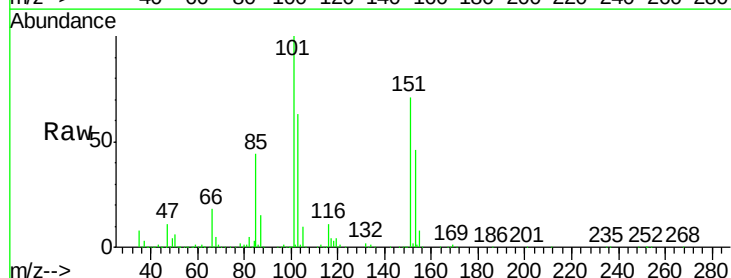
Acq: 2 Jul 2019 21:56

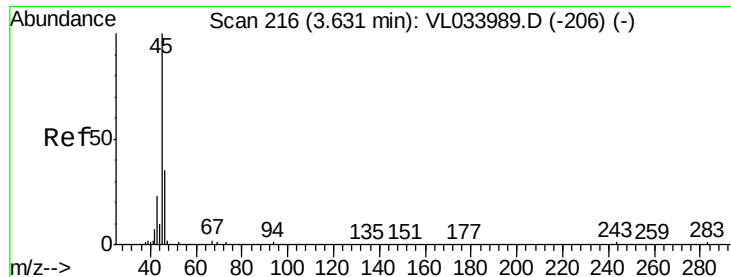
Tgt Ion:101 Resp: 1593828

Ion Ratio Lower Upper

101 100

151 73.2 59.0 88.4





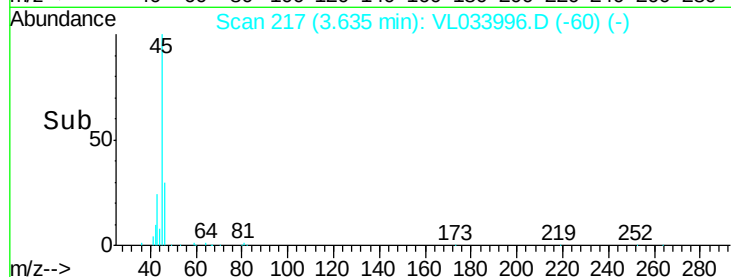
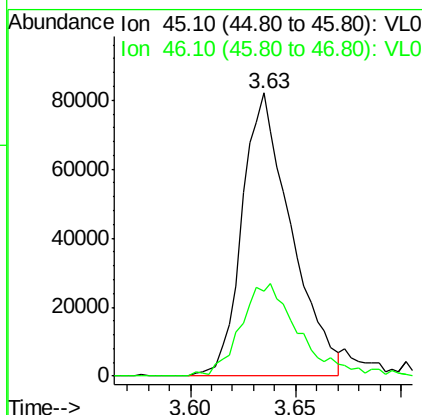
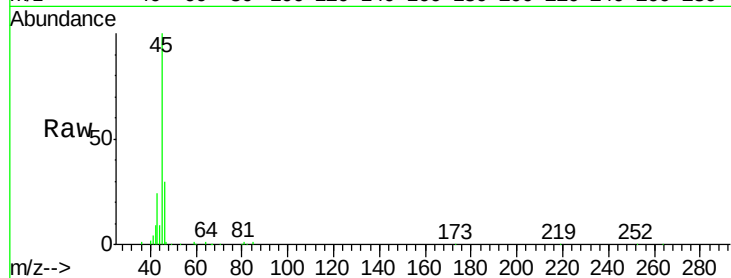
#13
Ethanol
Concen: 8.293 ppbv
RT: 3.63 min Scan# 217
Delta R.T. 0.00 min
Lab File: VL033996.D
Acq: 2 Jul 2019 21:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL070219

Tot Ion	45	46	Ratio	Lower	Upper
132824	100	39.4		16.2	64.6

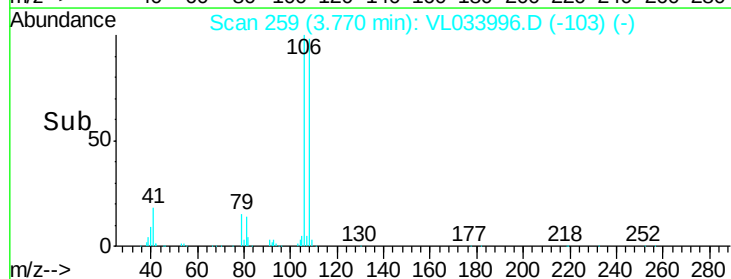
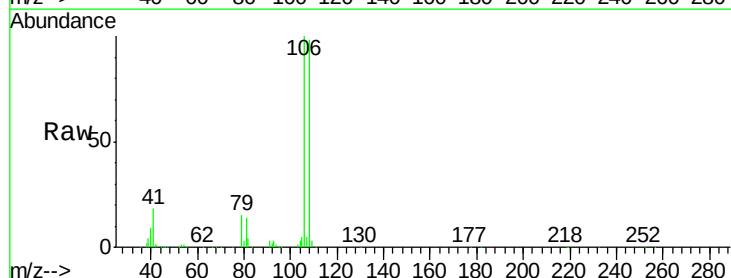
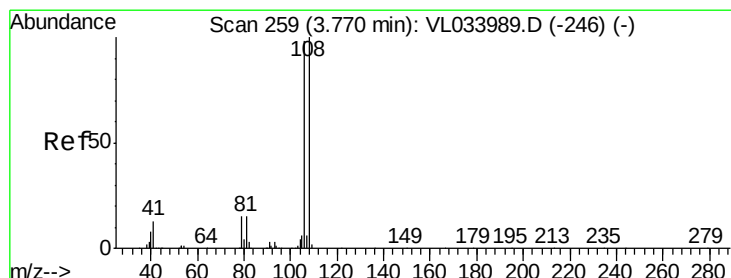
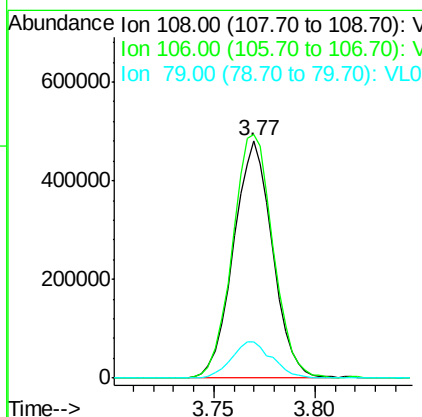
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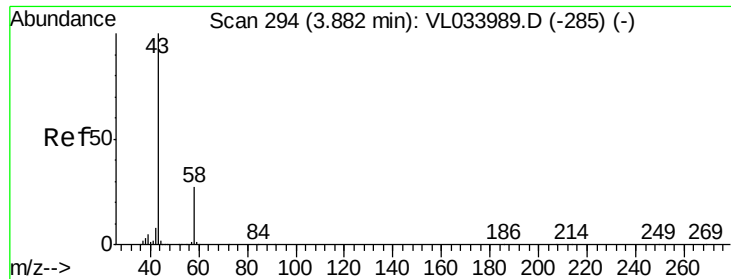
MMDadoda
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#14
Bromoethene
Concen: 9.356 ppbv
RT: 3.77 min Scan# 259
Delta R.T. 0.00 min
Lab File: VL033996.D
Acq: 2 Jul 2019 21:56

Tgt Ion	108	106	79	Ratio	Lower	Upper
651323	100	107.8	16.0		85.6	128.4





#15

Acetone

Concen: 7.393 ppbv

RT: 3.88 min Scan# 294

Delta R.T. 0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070219

Tot Ion: 43 Resp: 1410652

Ion Ratio Lower Upper

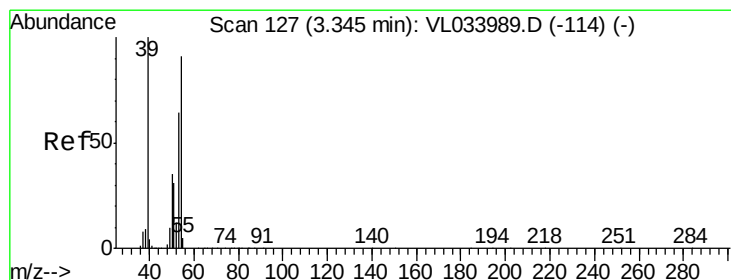
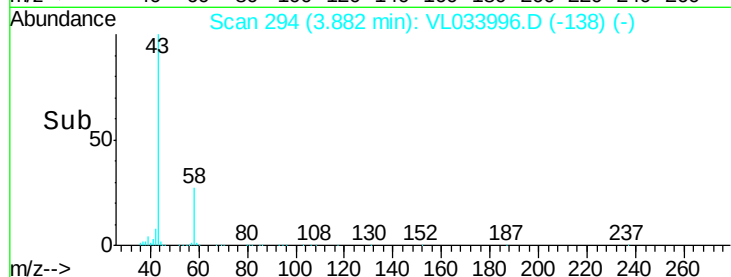
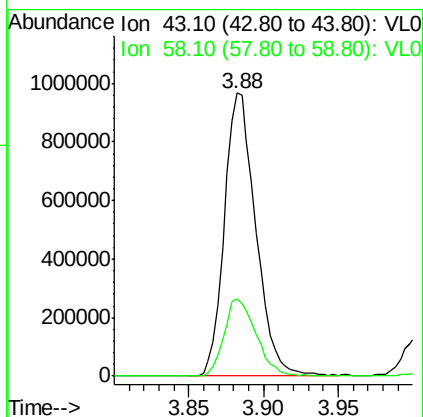
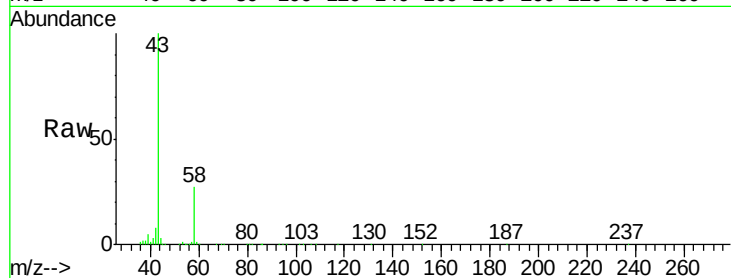
43 100

58 28.0 21.4 32.0

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#16

1,3-Butadiene

Concen: 9.542 ppbv

RT: 3.35 min Scan# 128

Delta R.T. 0.00 min

Lab File: VL033996.D

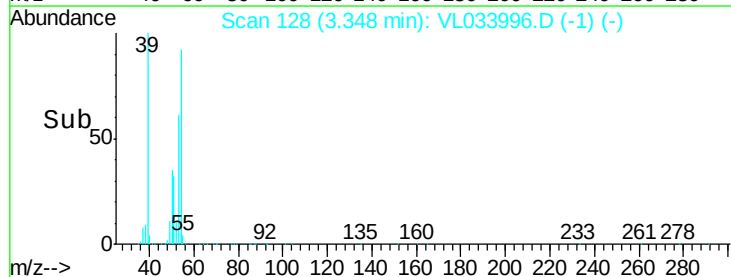
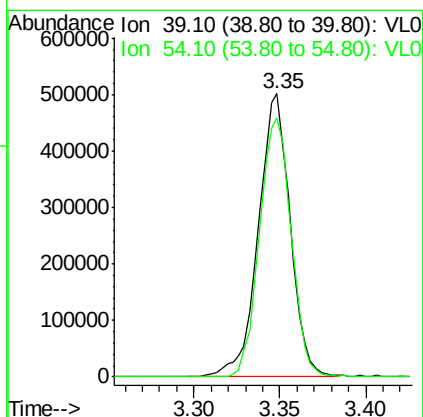
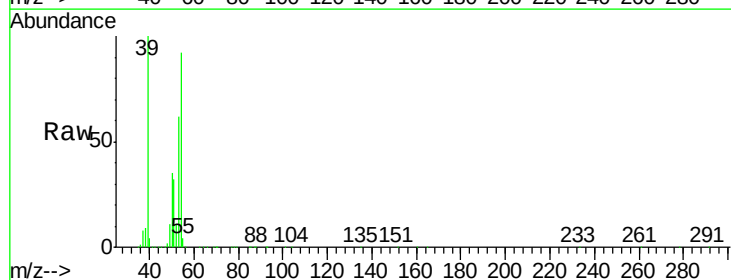
Acq: 2 Jul 2019 21:56

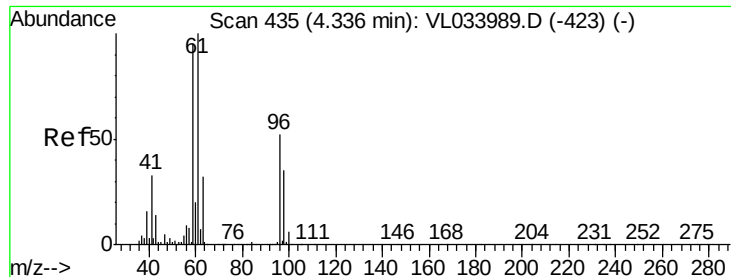
Tgt Ion: 39 Resp: 642960

Ion Ratio Lower Upper

39 100

54 91.2 71.4 107.2





#17

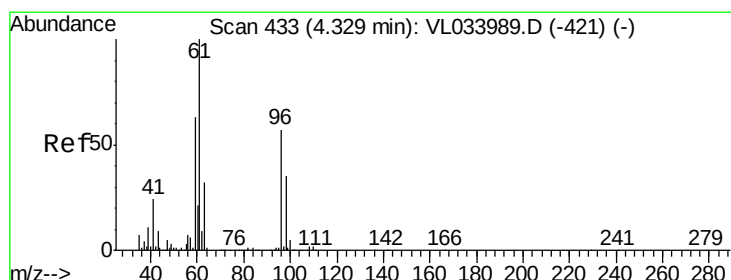
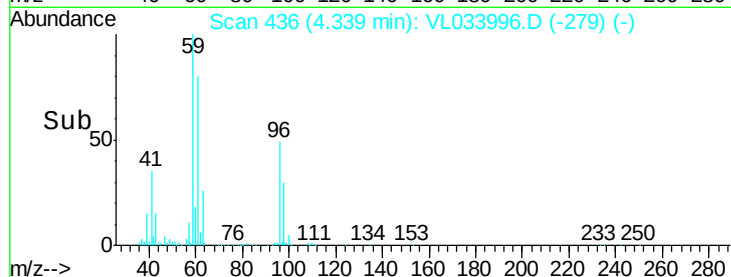
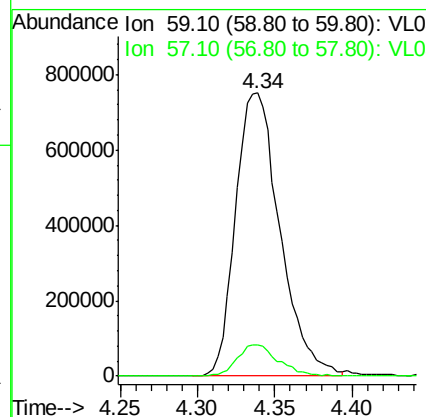
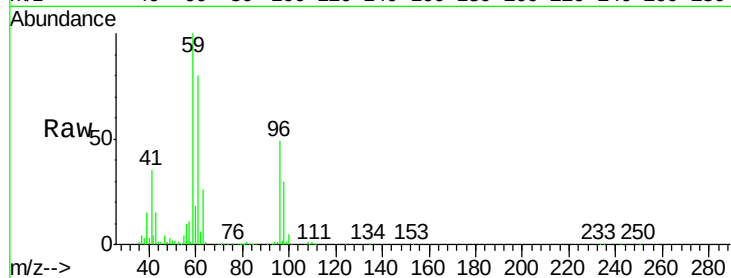
tert-Butyl alcohol
Concen: 9.825 ppbv
RT: 4.34 min Scan# 436
Delta R.T. 0.00 min
Lab File: VL033996.D
Acq: 2 Jul 2019 21:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL070219

Tot Ion: 59 Resp: 1494731
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.2

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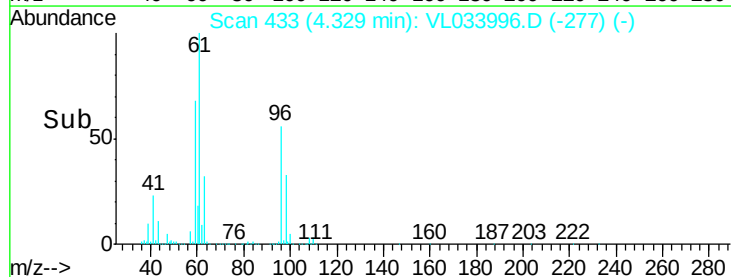
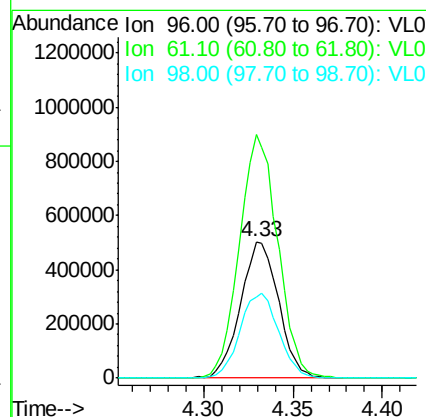
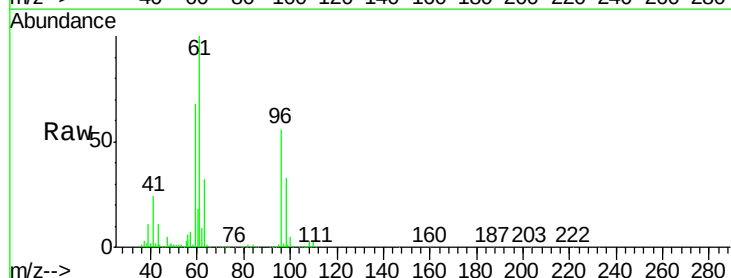
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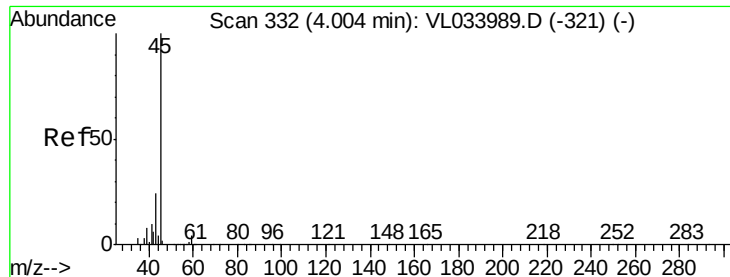


#18

1,1-Dichloroethene
Concen: 8.966 ppbv
RT: 4.33 min Scan# 433
Delta R.T. 0.00 min
Lab File: VL033996.D
Acq: 2 Jul 2019 21:56

Tgt Ion: 96 Resp: 744417
Ion Ratio Lower Upper
96 100
61 178.9 139.4 209.0
98 59.2 49.4 74.0





#19

Isopropyl Alcohol

Concen: 8.666 ppbv

RT: 4.00 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070219

Tot Ion: 45 Resp: 1109975

Ion Ratio Lower Upper

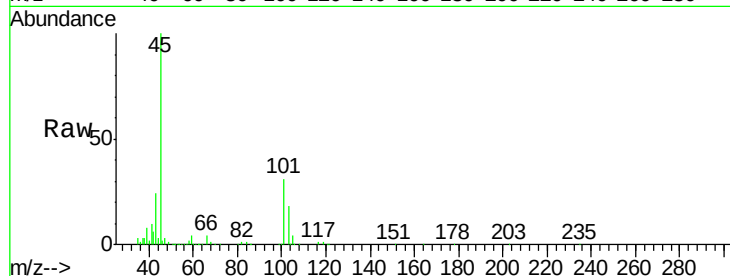
45 100

58 1.8 1.7 2.5

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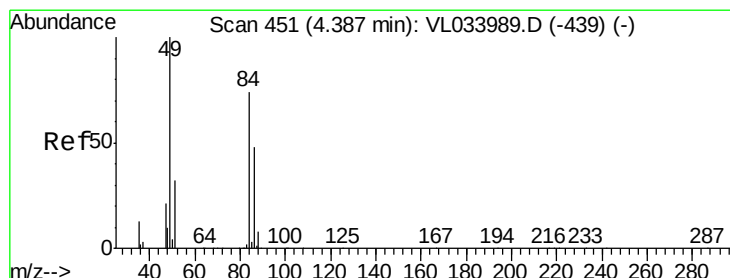
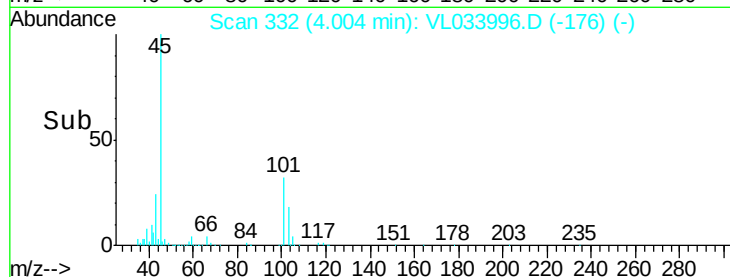
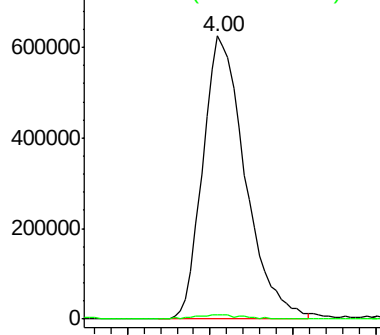
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 7.844 ppbv

RT: 4.39 min Scan# 451

Delta R.T. 0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

Tgt Ion: 84 Resp: 652793

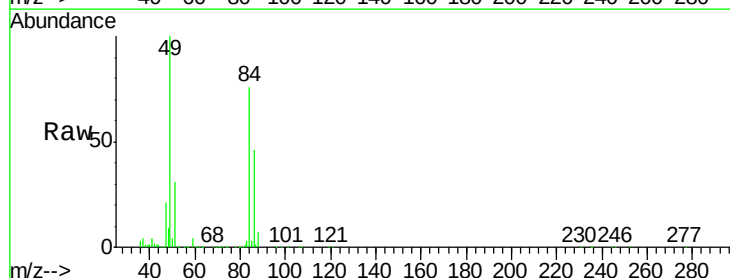
Ion Ratio Lower Upper

84 100

49 129.9 107.6 161.4

51 39.6 35.0 52.6

86 59.7 52.1 78.1

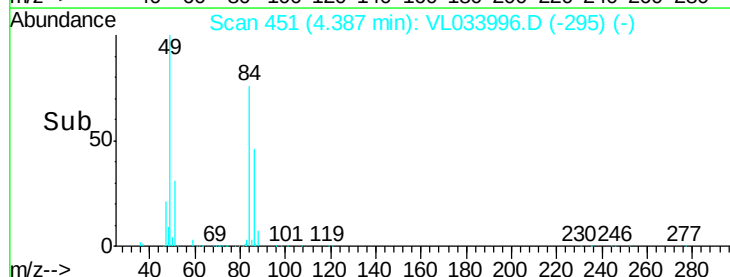
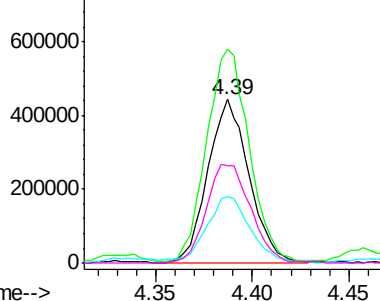


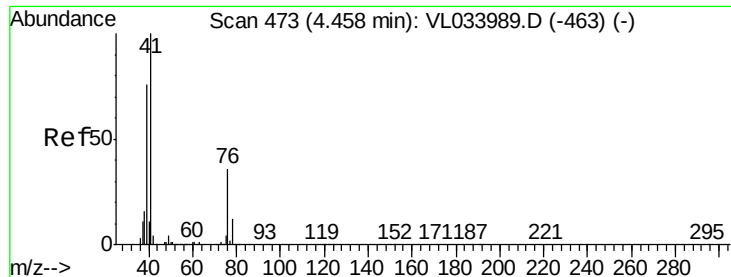
Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 9.377 ppbv

RT: 4.46 min Scan# 473

Delta R.T. 0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

Instrument :

MSVOA_L

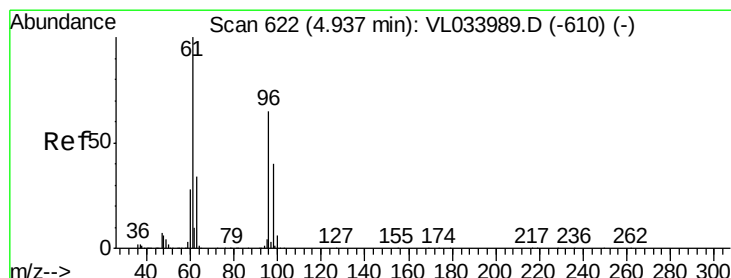
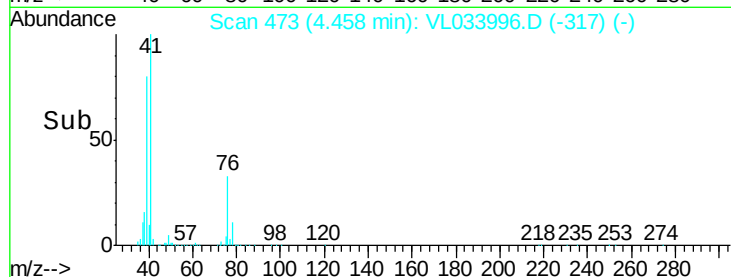
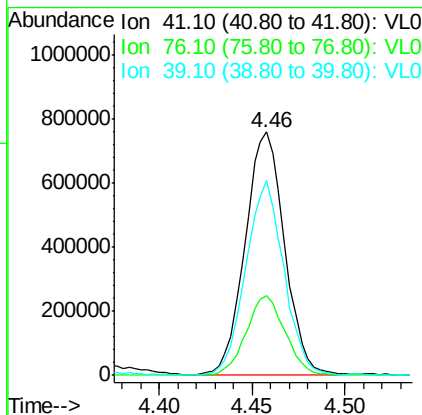
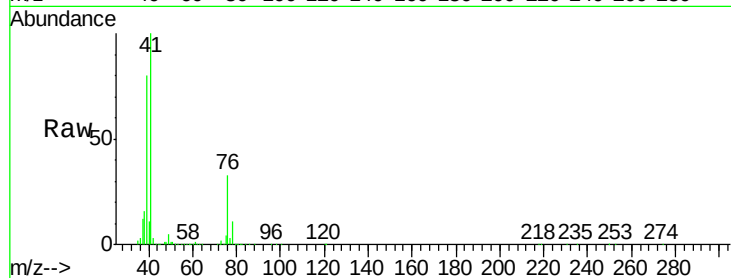
ClientSampleId :

ICVVL070219

Tot Ion:	41	Resp:	1115653
Ion	Ratio	Lower	Upper
41	100		
76	32.7	26.8	40.2
39	78.2	63.1	94.7

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#22

trans-1,2-Dichloroethene

Concen: 9.746 ppbv

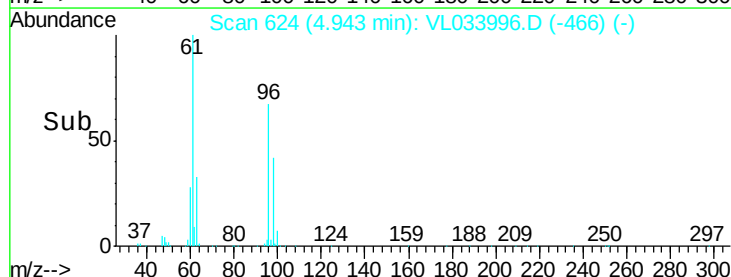
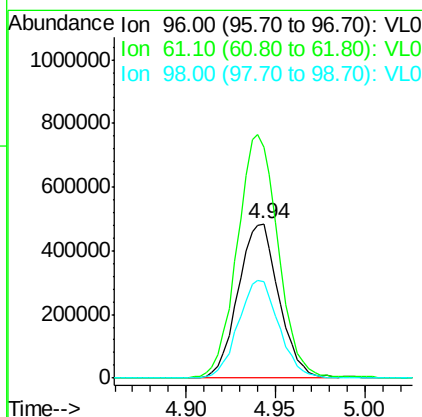
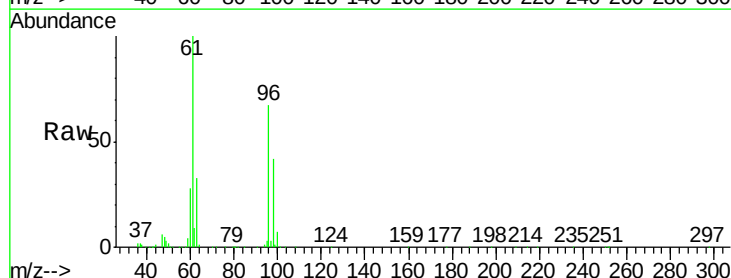
RT: 4.94 min Scan# 624

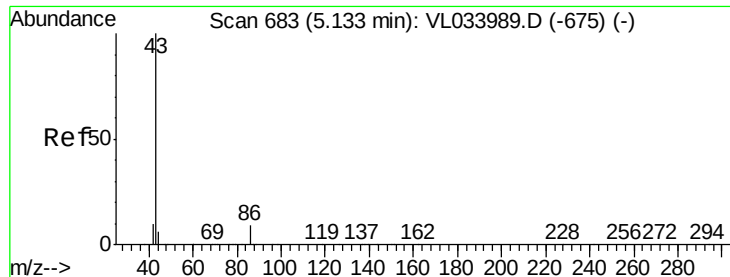
Delta R.T. 0.01 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

Tgt Ion:	96	Resp:	771027
Ion	Ratio	Lower	Upper
96	100		
61	149.6	122.9	184.3
98	62.3	49.6	74.4





#23

Vinyl Acetate

Concen: 10.708 ppbv

RT: 5.13 min Scan# 683

Delta R.T. 0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070219

Tot Ion: 43 Resp: 2039378

Ion	Ratio	Lower	Upper
43	100		
86	9.1	6.6	9.8
42	10.8	8.3	12.5
44	5.2	4.3	6.5

43 100

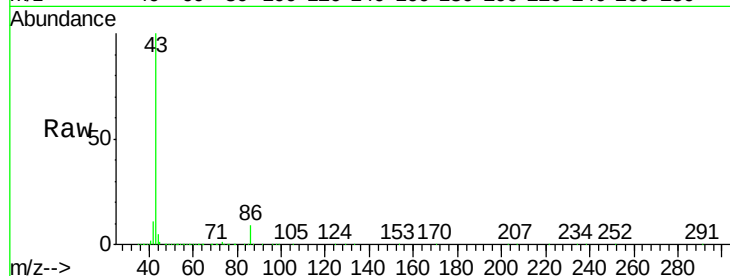
86 9.1 6.6 9.8

42 10.8 8.3 12.5

44 5.2 4.3 6.5

Manual Integrations
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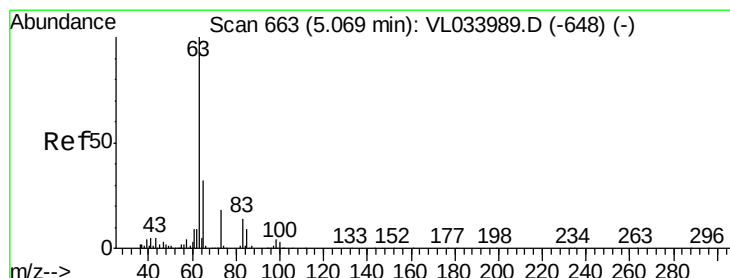
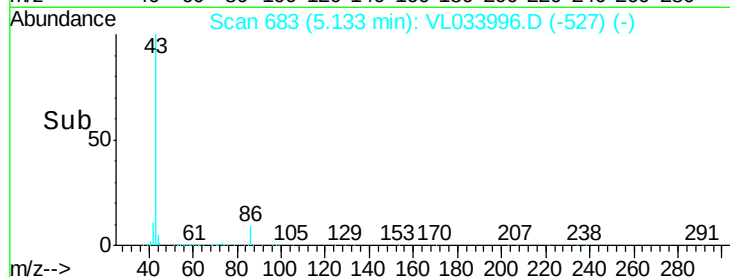
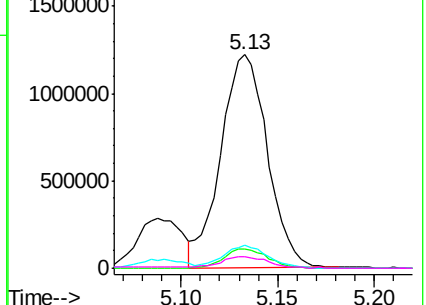


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.536 ppbv

RT: 5.07 min Scan# 663

Delta R.T. 0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

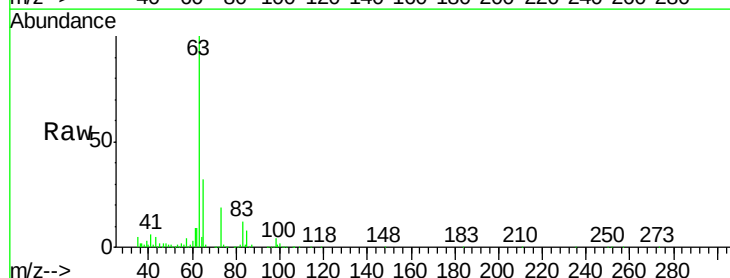
Tgt Ion: 63 Resp: 1609631

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.2	6.6
100	2.4	1.4	4.2

63 100

98 4.5 2.2 6.6

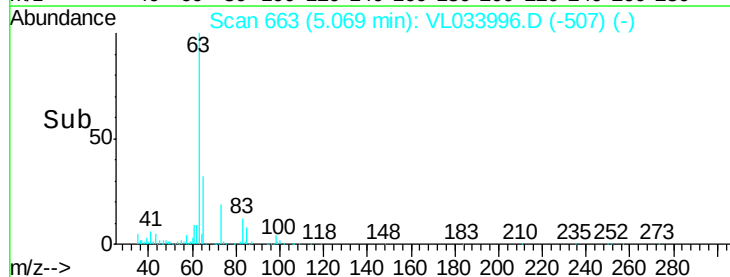
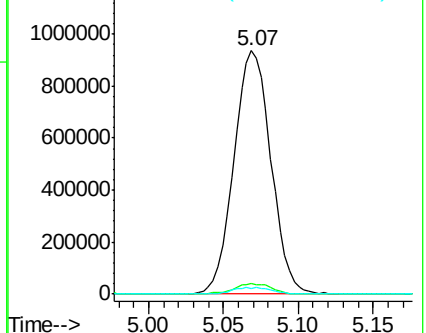
100 2.4 1.4 4.2

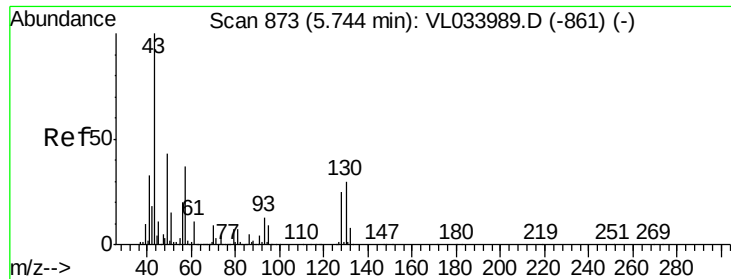


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





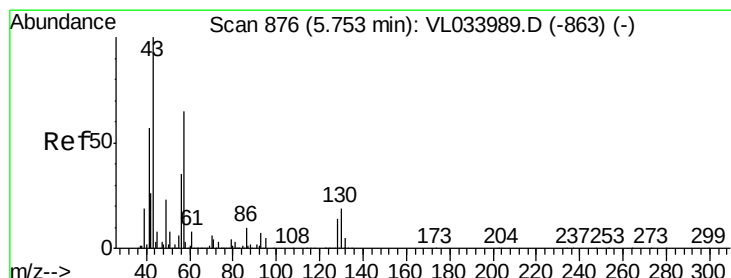
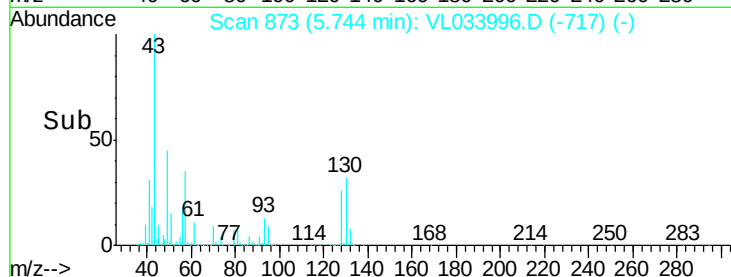
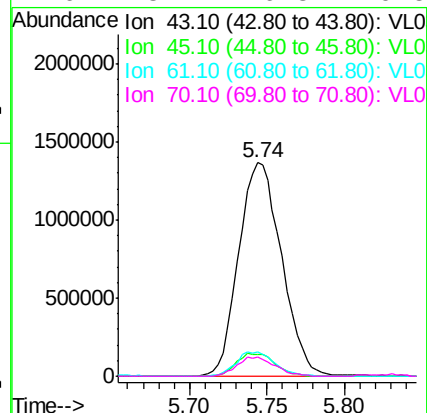
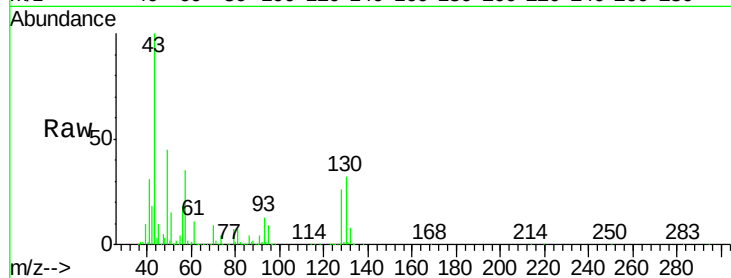
#25
Ethyl Acetate
Concen: 10.055 ppbv
RT: 5.74 min Scan# 873
Delta R.T. 0.00 min
Lab File: VL033996.D
Acq: 2 Jul 2019 21:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL070219

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.0	8.1	12.1	
61	10.3	8.1	12.1	
70	8.1	6.3	9.5	

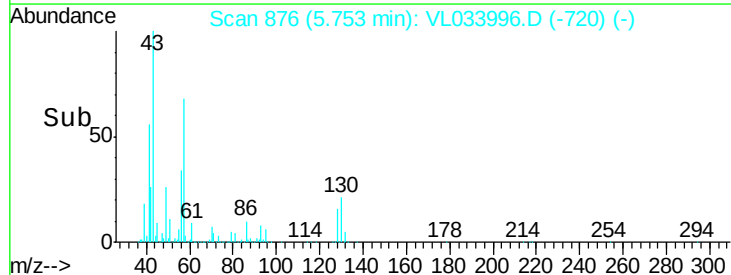
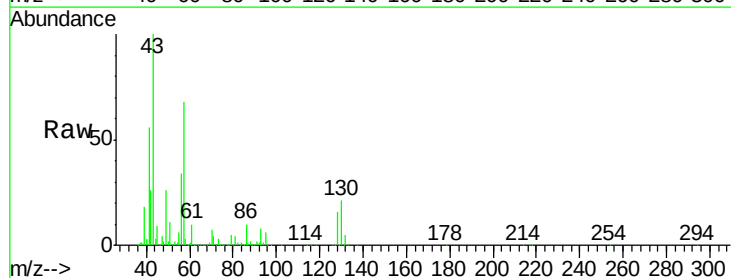
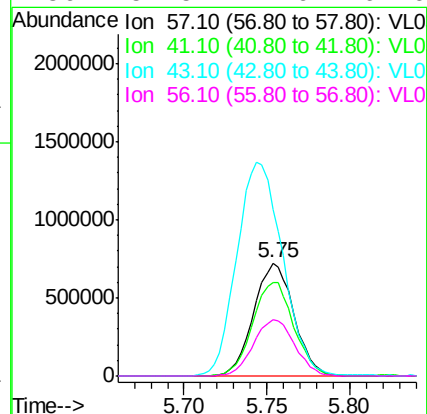
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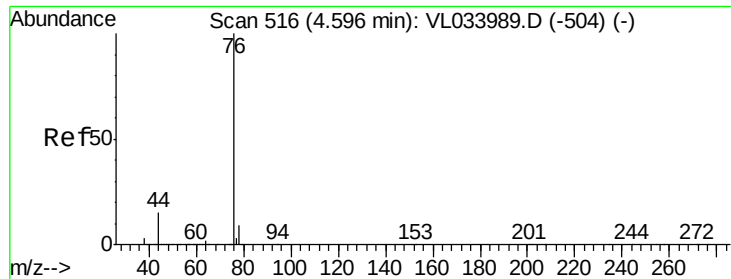
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#26
Hexane
Concen: 10.240 ppbv
RT: 5.75 min Scan# 876
Delta R.T. 0.00 min
Lab File: VL033996.D
Acq: 2 Jul 2019 21:56

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	85.3	70.6	105.8	
43	215.8	177.6	266.4	
56	51.5	42.6	64.0	





#27

Carbon Disulfide

Concen: 9.521 ppbv

RT: 4.60 min Scan# 517

Delta R.T. 0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

Instrument :

MSVOA_L

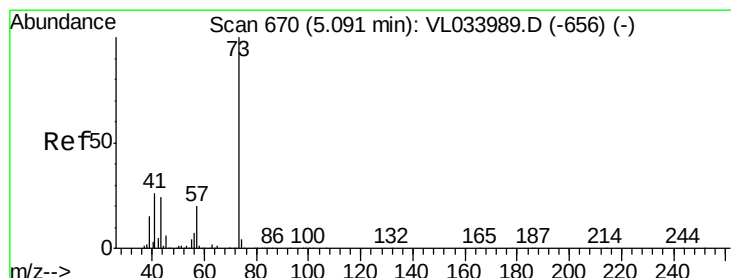
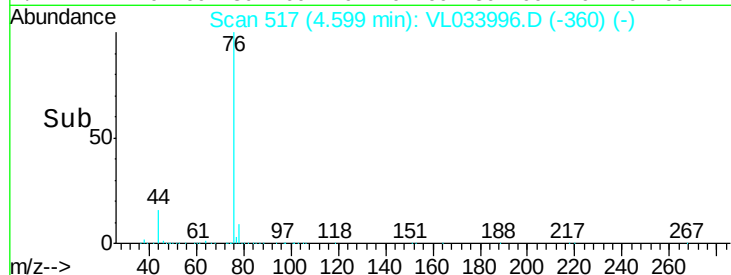
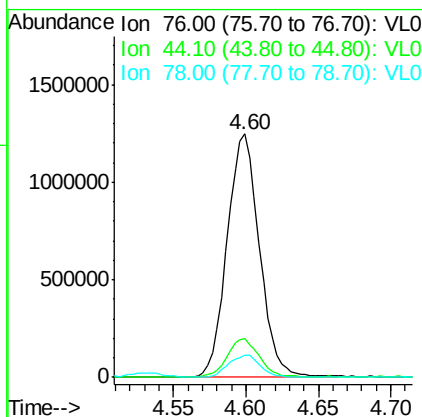
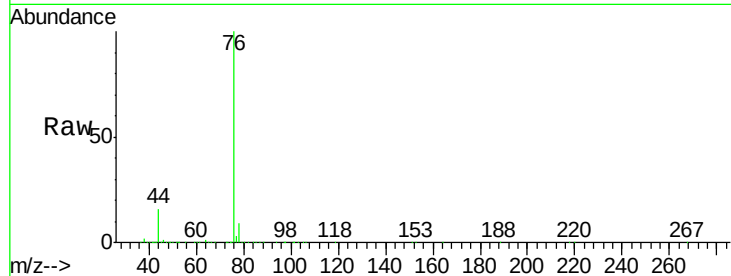
ClientSampleId :

ICVVL070219

Tot Ion:	76	Resp:	1933138
Ion	Ratio	Lower	Upper
76	100		
44	15.5	12.6	18.8
78	8.9	7.2	10.8

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#28

Methyl tert-Butyl Ether

Concen: 10.557 ppbv

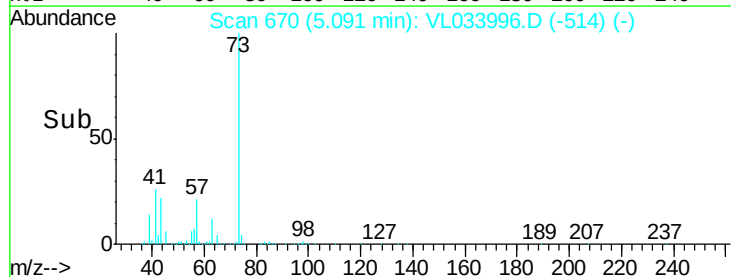
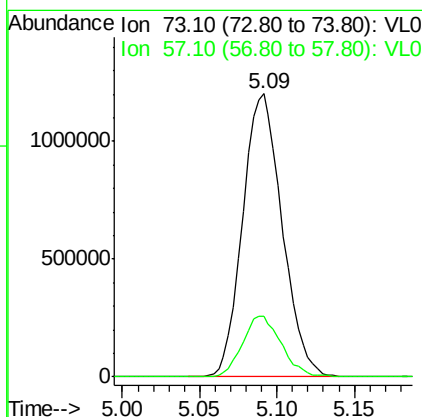
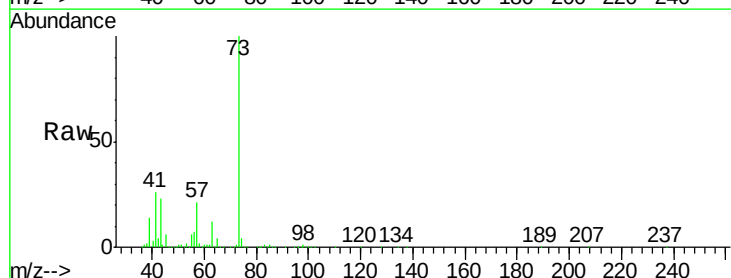
RT: 5.09 min Scan# 670

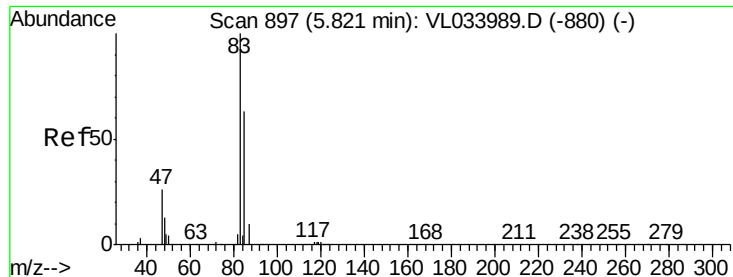
Delta R.T. 0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

Tgt Ion:	73	Resp:	2135352
Ion	Ratio	Lower	Upper
73	100		
57	21.4	16.9	25.3





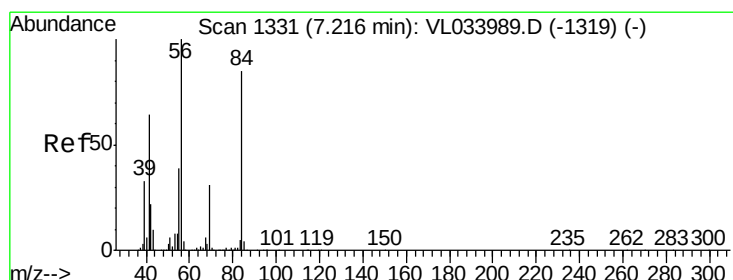
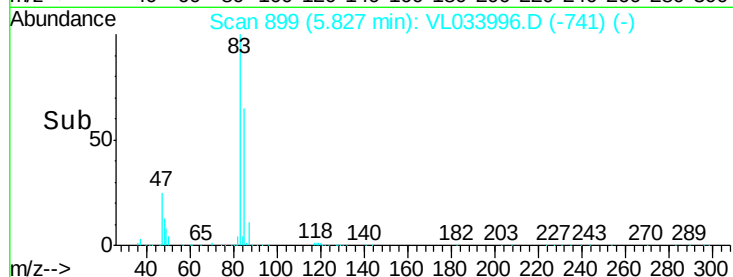
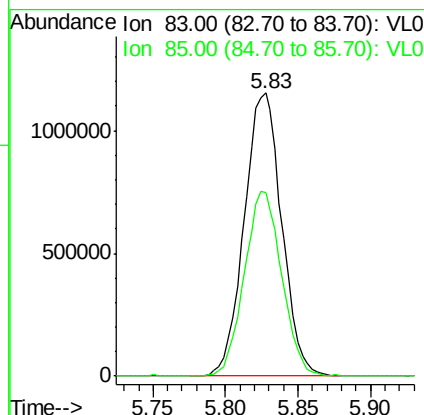
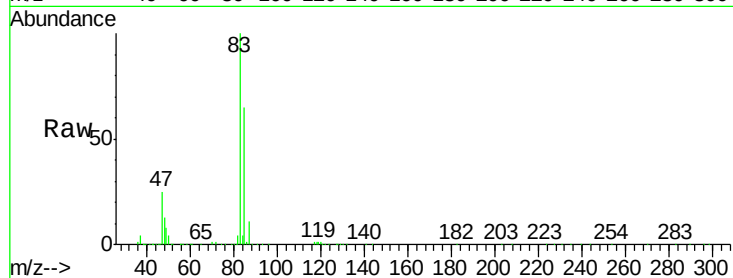
#29
Chloroform
Concen: 9.251 ppbv
RT: 5.83 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL033996.D
Acq: 2 Jul 2019 21:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL070219

Tot Ion: 83 Resp: 2076340
Ion Ratio Lower Upper
83 100
85 64.7 50.6 75.8

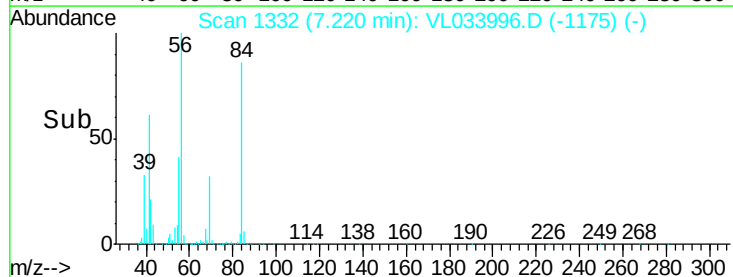
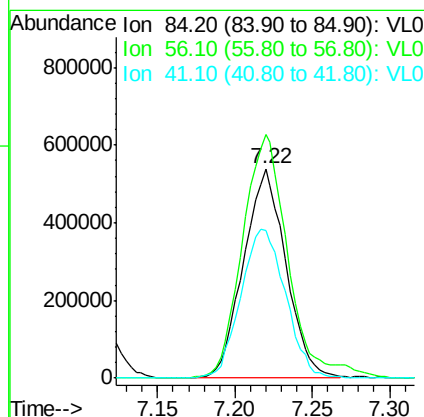
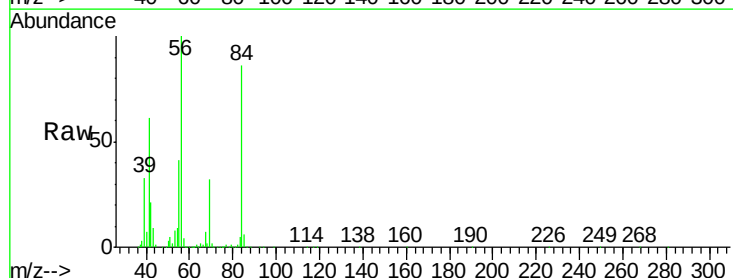
Manual Integrations
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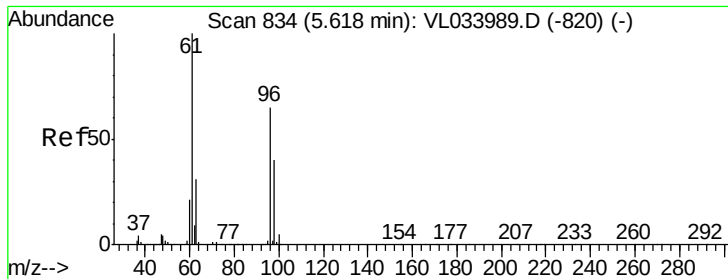
MMDadoda
7/3/2019 11:03:35 PM



#30
Cyclohexane
Concen: 11.163 ppbv
RT: 7.22 min Scan# 1332
Delta R.T. 0.00 min
Lab File: VL033996.D
Acq: 2 Jul 2019 21:56

Tgt Ion: 84 Resp: 1029600
Ion Ratio Lower Upper
84 100
56 125.0 103.7 155.5
41 74.7 62.6 94.0





#31

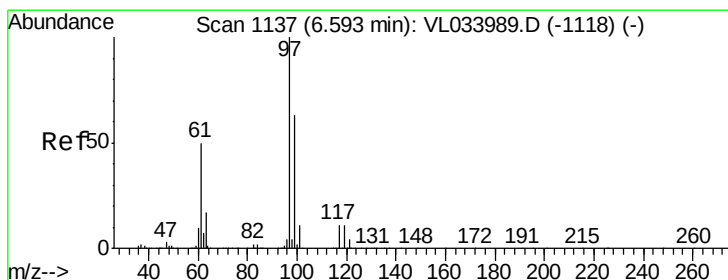
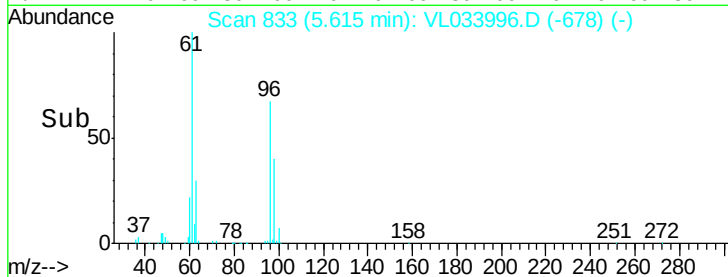
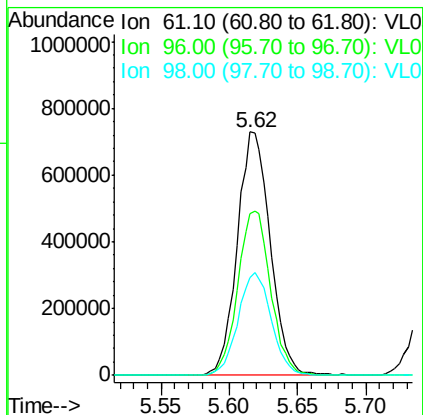
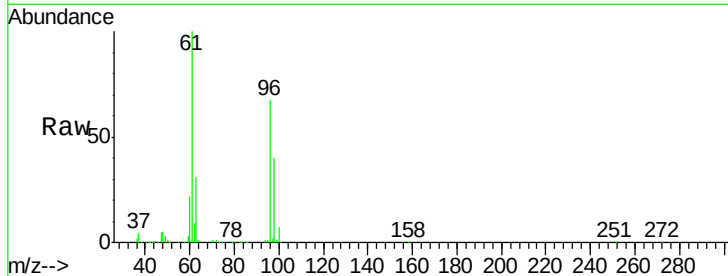
cis-1,2-Dichloroethene
Concen: 10.605 ppbv
RT: 5.62 min Scan# 833
Delta R.T. -0.00 min
Lab File: VL033996.D
Acq: 2 Jul 2019 21:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL070219

Tot Ion	Ratio	Lower	Upper
61	100		
96	66.6	51.8	77.6
98	40.3	32.1	48.1

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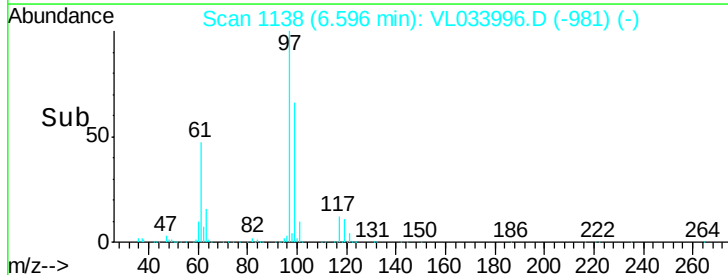
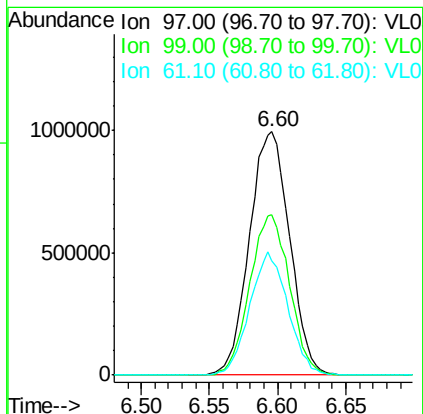
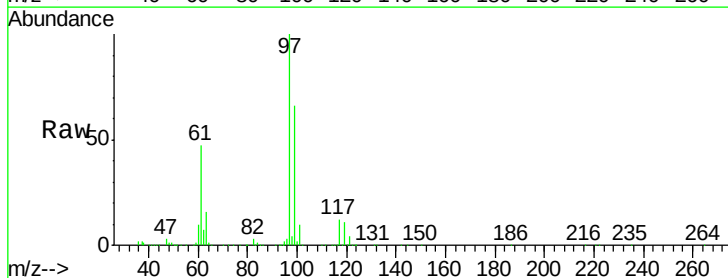
MMDadoda
7/3/2019 11:03:35 PM

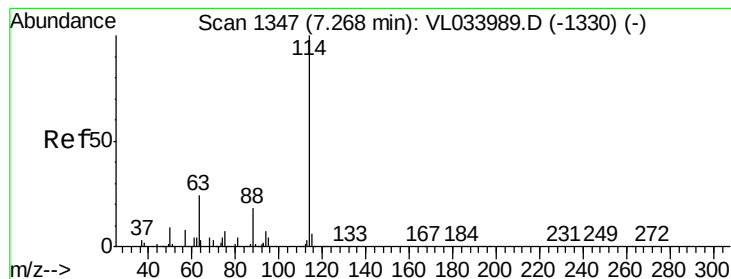


#32

1,1,1-Trichloroethane
Concen: 8.960 ppbv
RT: 6.60 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VL033996.D
Acq: 2 Jul 2019 21:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.9	77.9
61	48.1	39.8	59.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.26 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070219

Tot Ion:114 Resp: 2889765

Ion Ratio Lower Upper

114 100

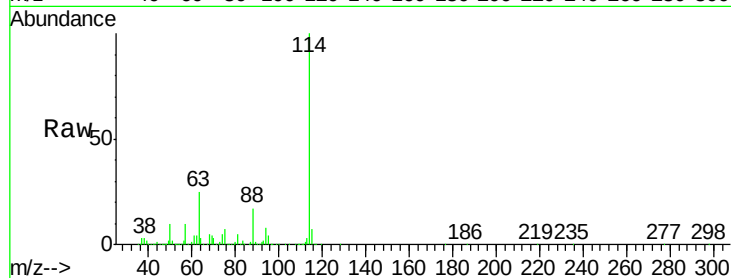
63 25.1 20.2 30.2

88 17.8 14.1 21.1

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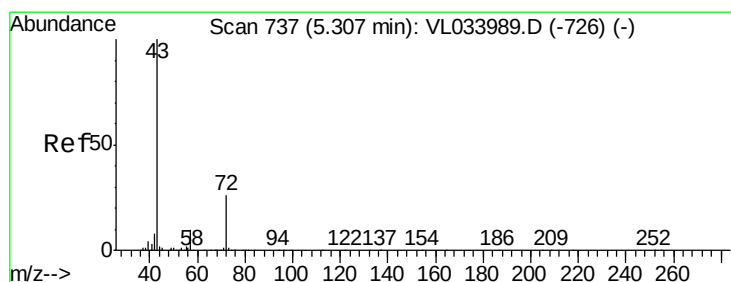
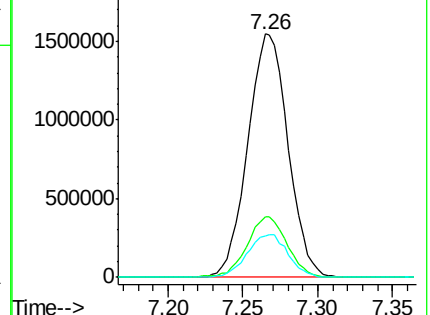
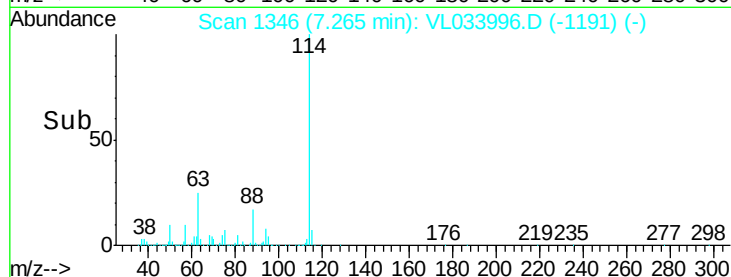
7/3/2019 11:03:35 PM



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 10.402 ppbv

RT: 5.31 min Scan# 737

Delta R.T. 0.00 min

Lab File: VL033996.D

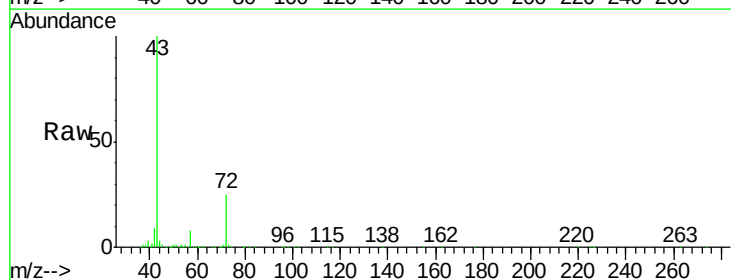
Acq: 2 Jul 2019 21:56

Tgt Ion: 43 Resp: 1590806

Ion Ratio Lower Upper

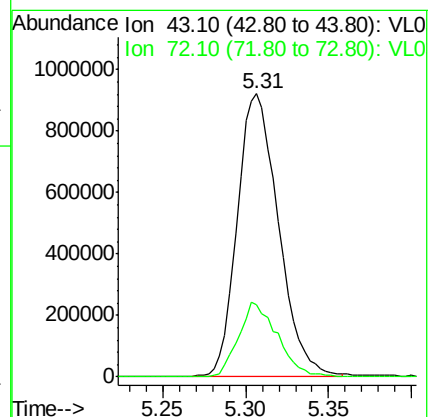
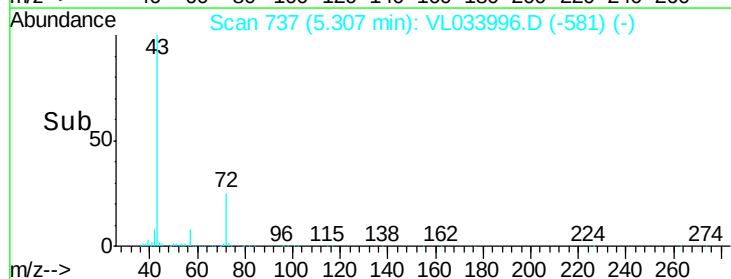
43 100

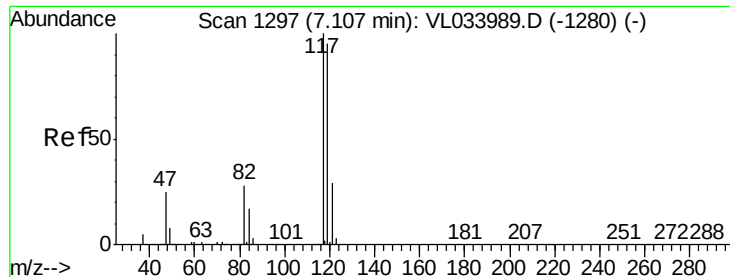
72 25.0 19.9 29.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.477 ppbv

RT: 7.11 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

Instrument :

MSVOA_L

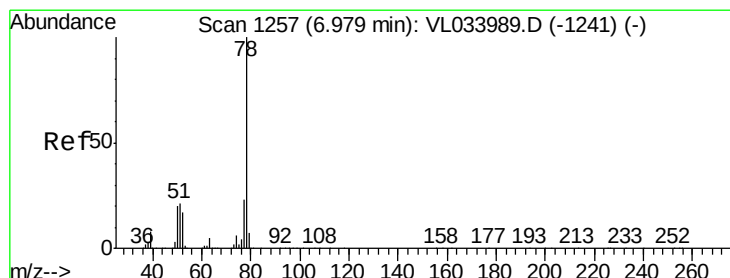
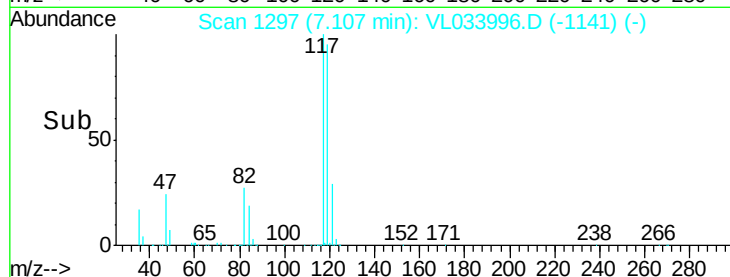
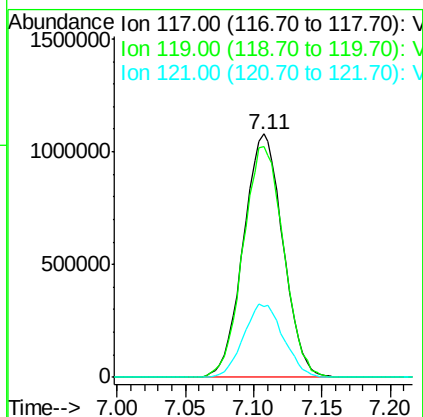
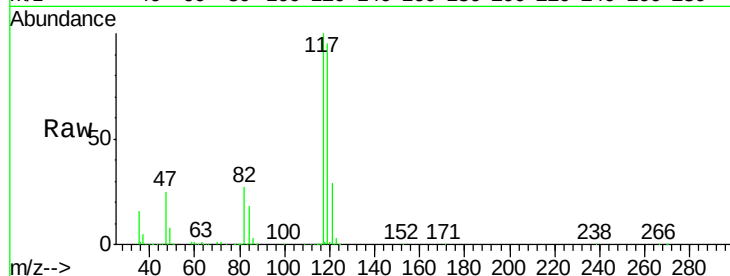
ClientSampleId :

ICVVL070219

Tot Ion:	117	Resp:	2167997
Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.8	113.6
121	29.2	23.4	35.2

Manual Integrations
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#36

Benzene

Concen: 10.716 ppbv

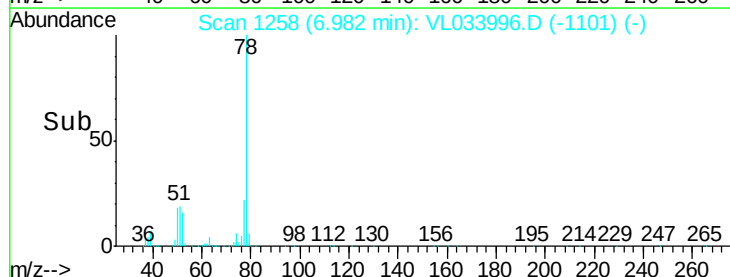
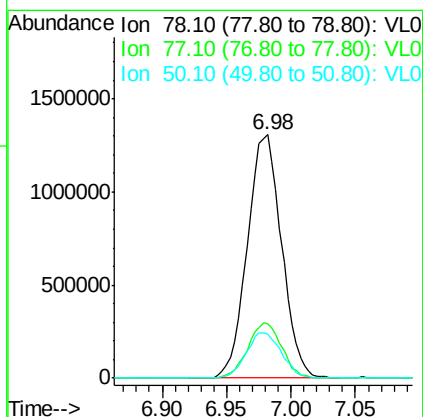
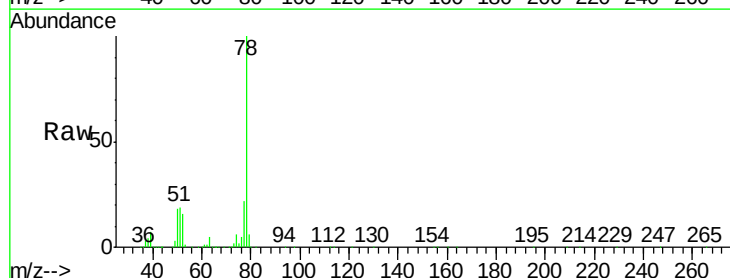
RT: 6.98 min Scan# 1258

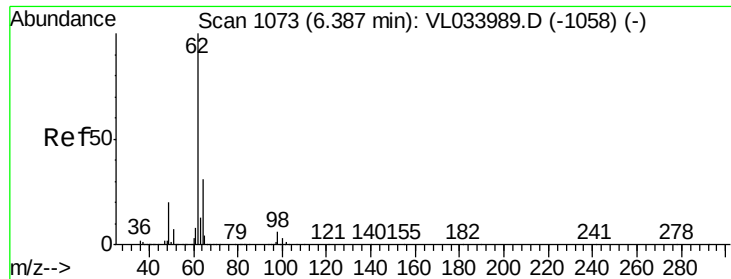
Delta R.T. 0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

Tgt Ion:	78	Resp:	2423017
Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.7	28.1
50	18.3	16.2	24.2





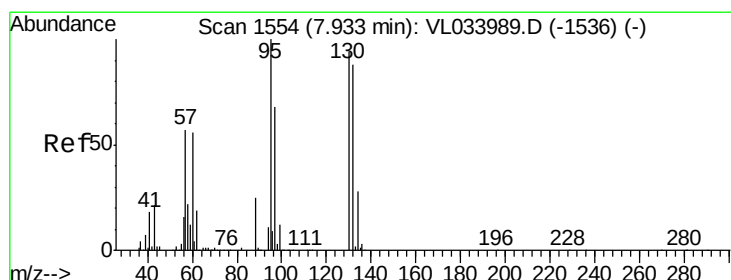
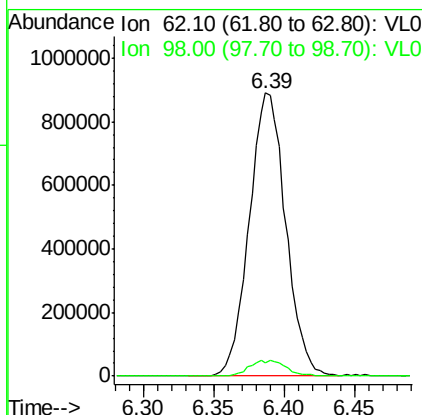
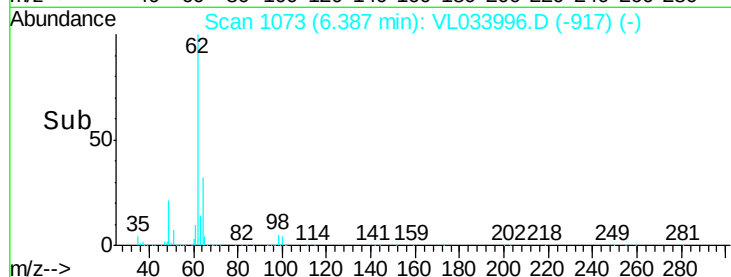
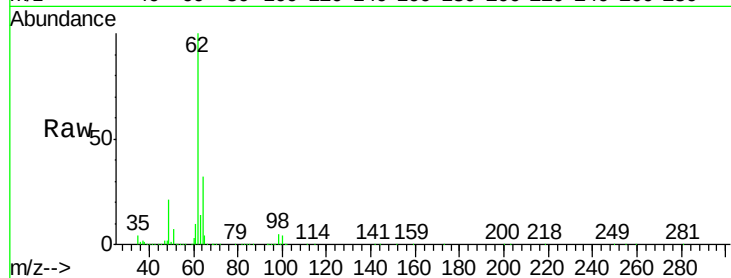
#37
1,2-Dichloroethane
Concen: 9.659 ppbv
RT: 6.39 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VL033996.D
Acq: 2 Jul 2019 21:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL070219

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.7	4.4	6.6

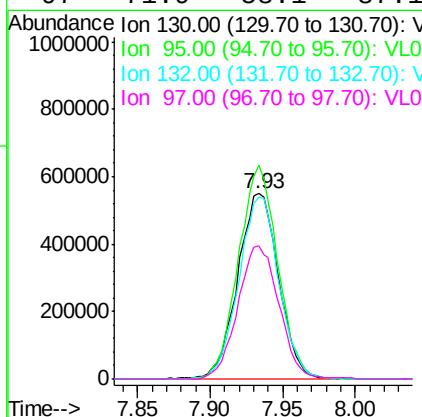
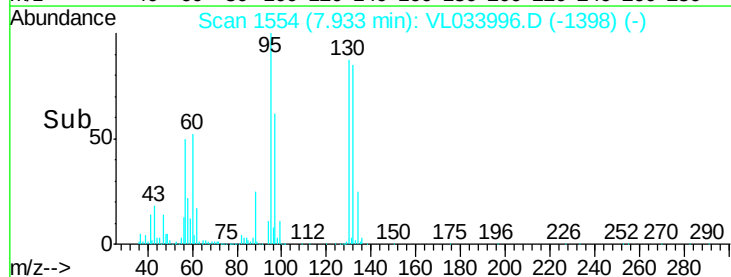
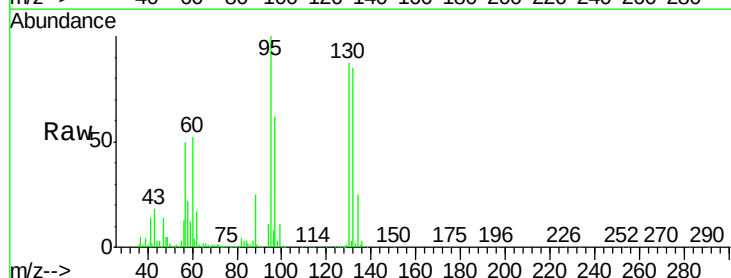
Manual Integrations
APPROVED

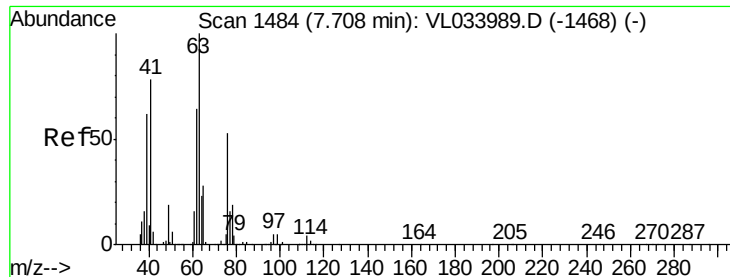
MMDadoda
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#38
Trichloroethene
Concen: 10.603 ppbv
RT: 7.93 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VL033996.D
Acq: 2 Jul 2019 21:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	115.5	85.5	128.3
132	98.4	75.1	112.7
97	71.9	58.1	87.1





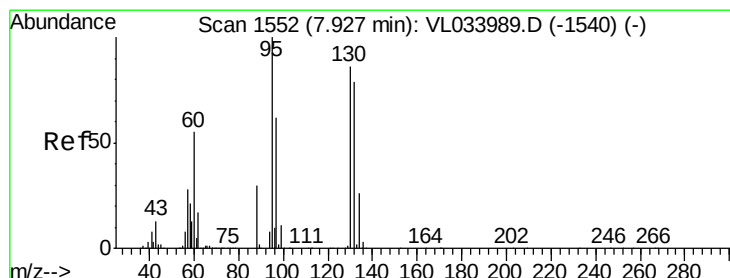
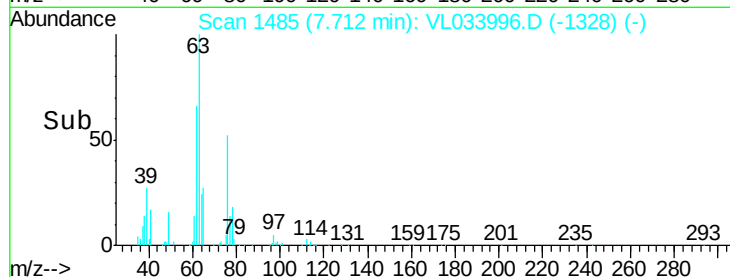
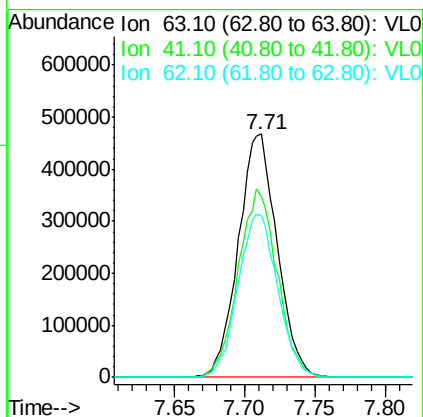
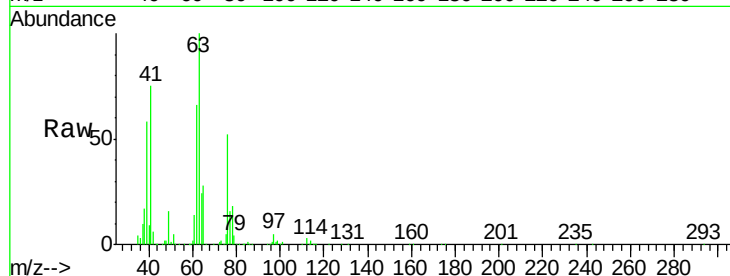
#39
 1,2-Dichloropropane
 Concen: 10.665 ppbv
 RT: 7.71 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VL033996.D
 Acq: 2 Jul 2019 21:56

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL070219

Tot Ion:	63	Resp:	896706
Ion	Ratio	Lower	Upper
63	100		
41	74.4	62.3	93.5
62	66.2	51.4	77.2

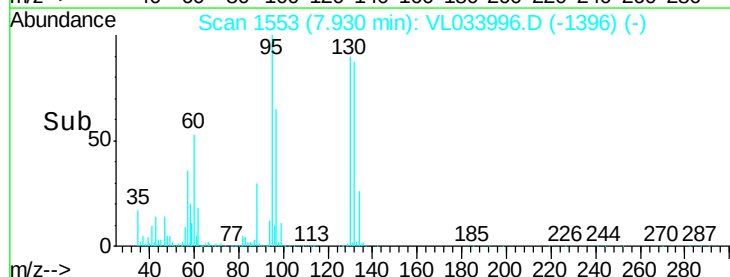
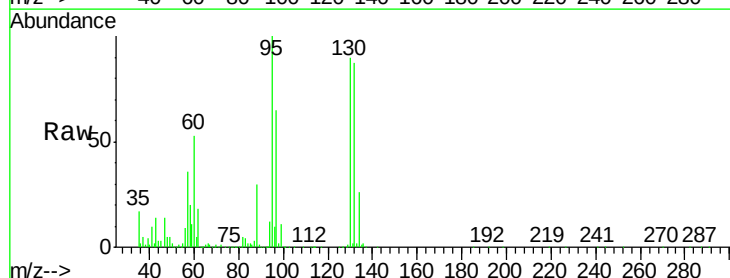
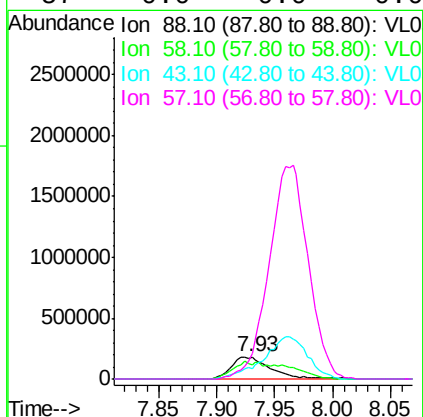
Manual Integrations
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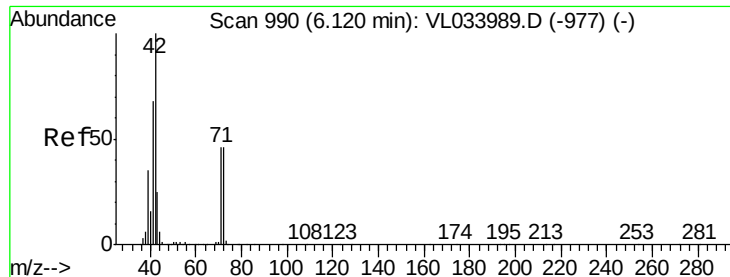
MMDadoda
 7/3/2019 11:03:35 PM



#40
 1,4-Dioxane
 Concen: 11.002 ppbv m
 RT: 7.93 min Scan# 1553
 Delta R.T. 0.00 min
 Lab File: VL033996.D
 Acq: 2 Jul 2019 21:56

Tgt Ion:	88	Resp:	427090
Ion	Ratio	Lower	Upper
88	100		
58	115.5	99.1	148.7
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 11.430 ppbv

RT: 6.12 min Scan# 991

Delta R.T. 0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

Instrument :

MSVOA_L

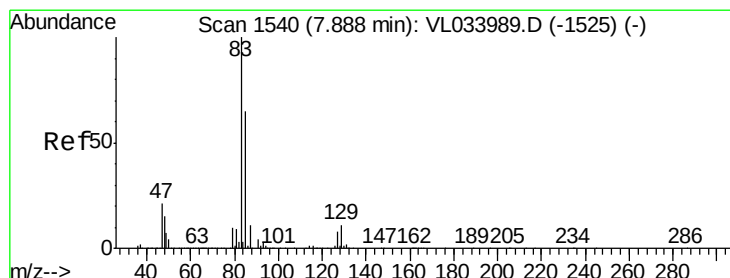
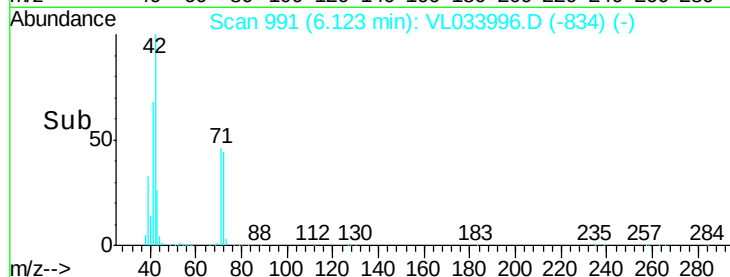
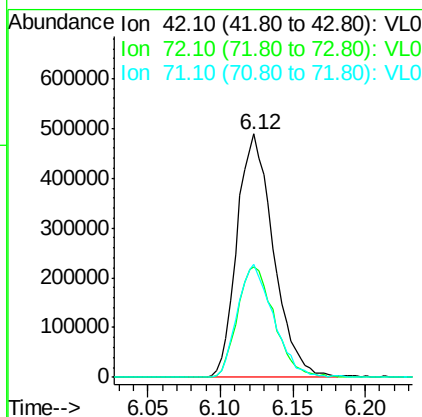
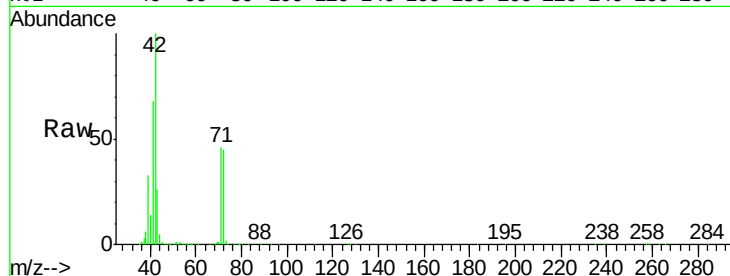
ClientSampleId :

ICVVL070219

Tot Ion:	42	Resp:	857272
Ion Ratio		Lower	Upper
42	100		
72	45.9	37.3	55.9
71	46.0	36.2	54.2

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.129 ppbv

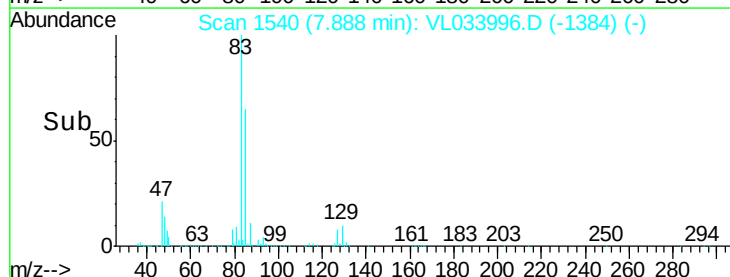
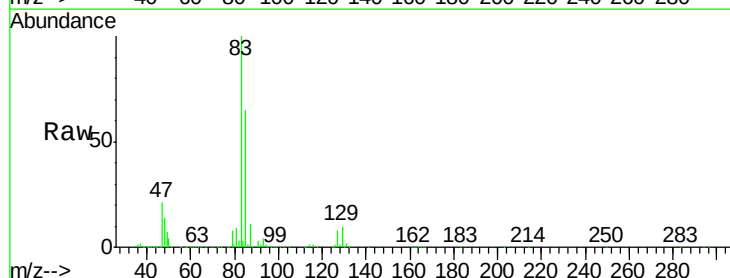
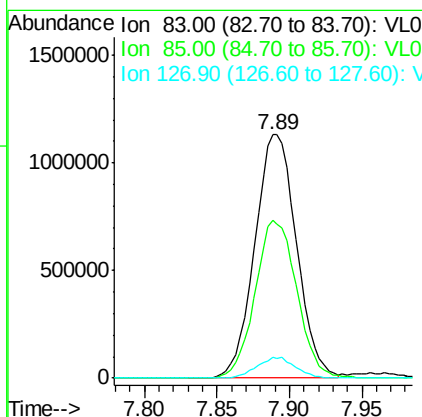
RT: 7.89 min Scan# 1540

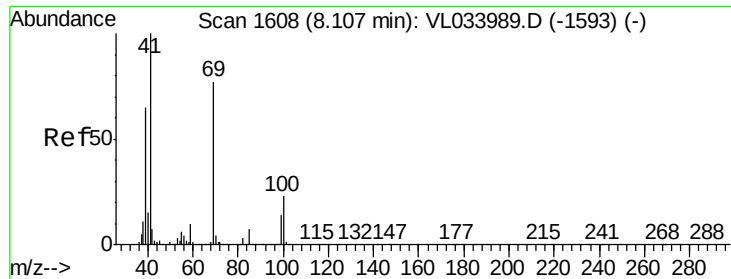
Delta R.T. 0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

Tgt Ion:	83	Resp:	2263986
Ion Ratio		Lower	Upper
83	100		
85	65.0	51.8	77.8
127	8.4	6.5	9.7





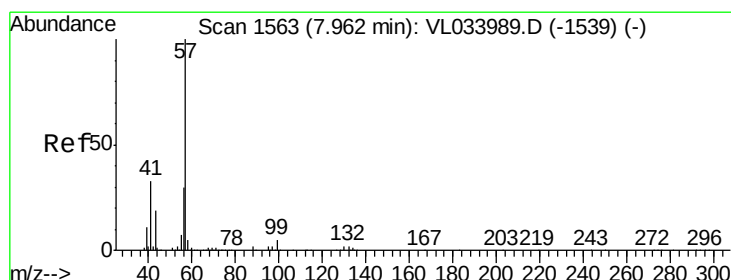
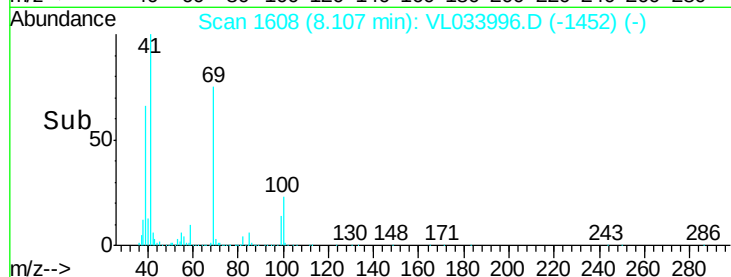
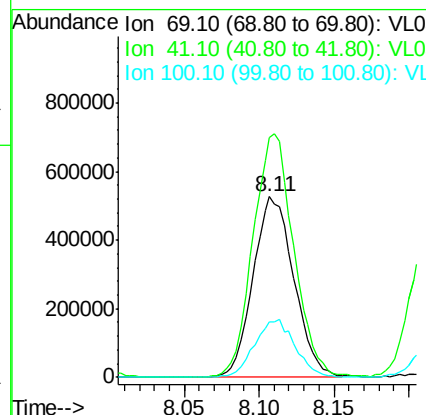
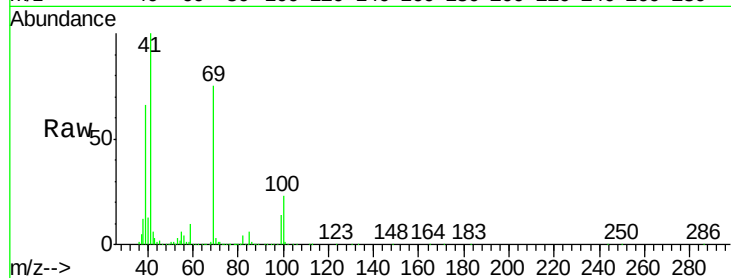
#43
Methyl Methacrylate
Concen: 11.665 ppbv
RT: 8.11 min Scan# 1608
Delta R.T. 0.00 min
Lab File: VL033996.D
Acq: 2 Jul 2019 21:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL070219

Tot Ion: 69 Resp: 1000773
Ion Ratio Lower Upper
69 100
41 134.3 109.1 163.7
100 31.9 25.3 37.9

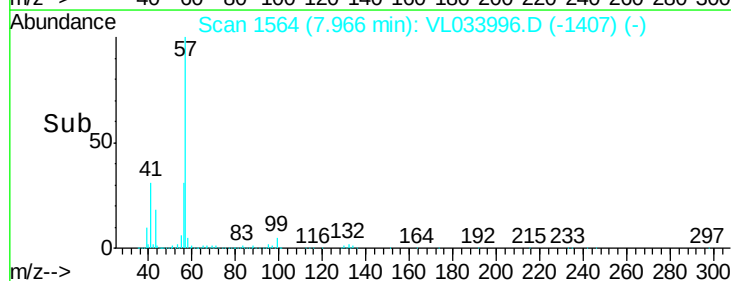
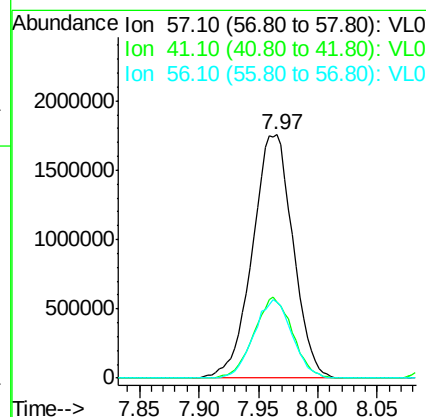
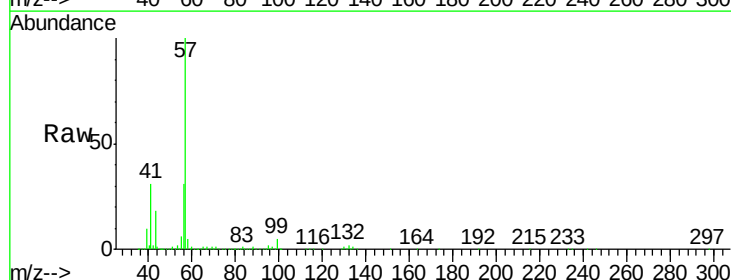
Manual Integrations
APPROVED

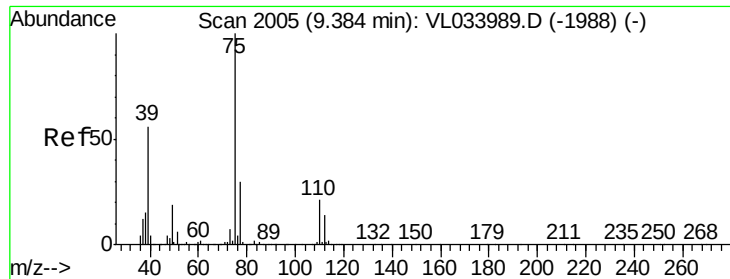
MMDadoda
7/3/2019 11:03:35 PM



#44
2,2,4-Trimethylpentane
Concen: 10.607 ppbv
RT: 7.97 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VL033996.D
Acq: 2 Jul 2019 21:56

Tgt Ion: 57 Resp: 4140004
Ion Ratio Lower Upper
57 100
41 31.8 26.1 39.1
56 30.6 24.4 36.6





#45

t-1,3-Dichloropropene

Concen: 12.115 ppbv

RT: 9.39 min Scan# 2006

Delta R.T. 0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070219

Tot Ion: 75 Resp: 1359123

Ion Ratio Lower Upper

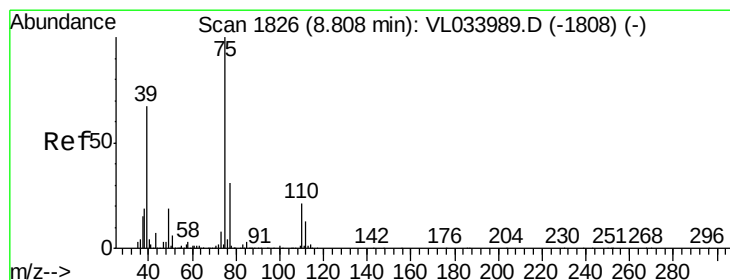
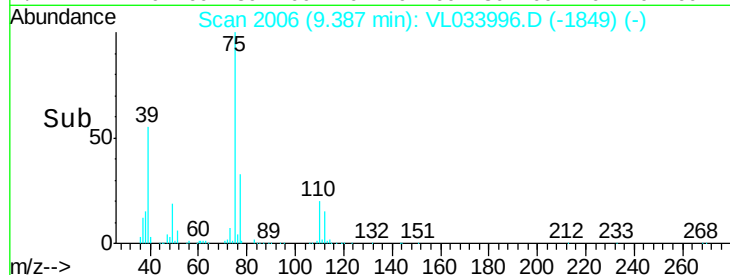
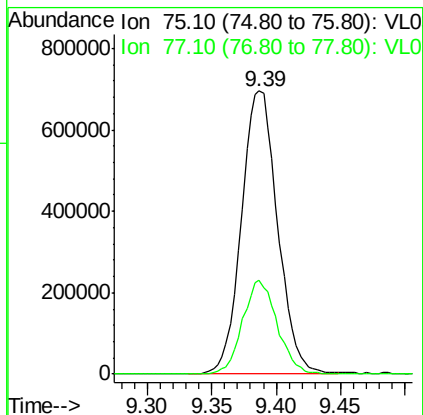
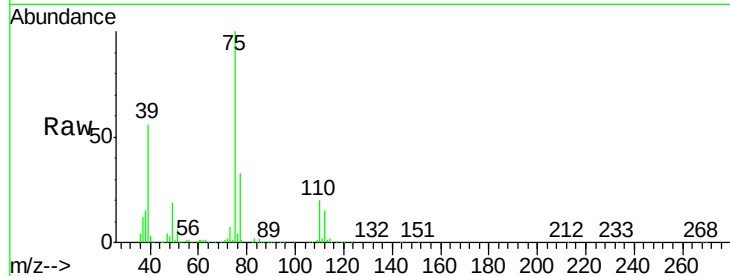
75 100

77 33.3 24.3 36.5

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#46

cis-1,3-Dichloropropene

Concen: 11.350 ppbv

RT: 8.80 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

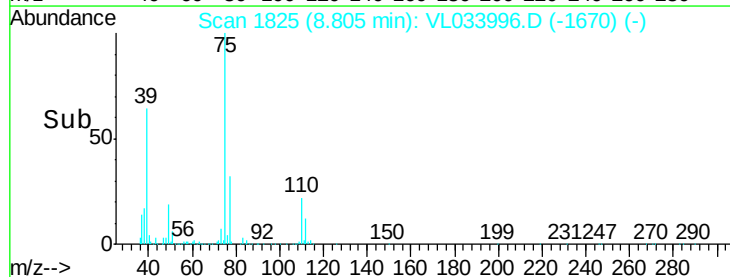
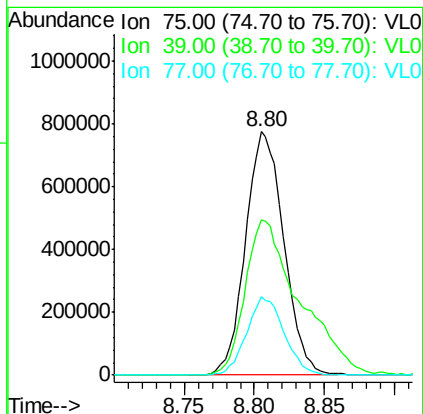
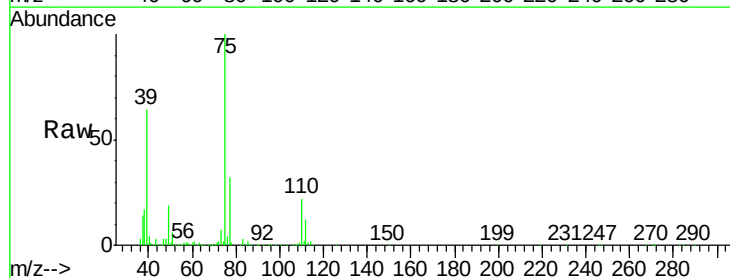
Tgt Ion: 75 Resp: 1474680

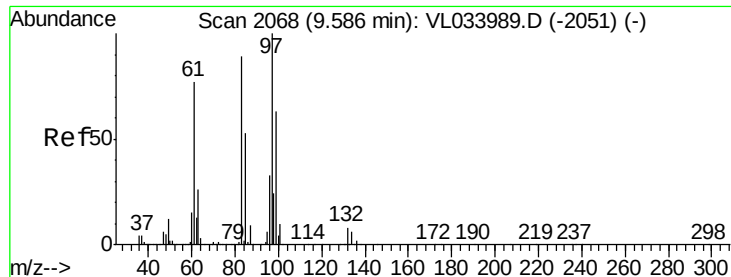
Ion Ratio Lower Upper

75 100

39 63.9 53.8 80.6

77 32.2 24.5 36.7





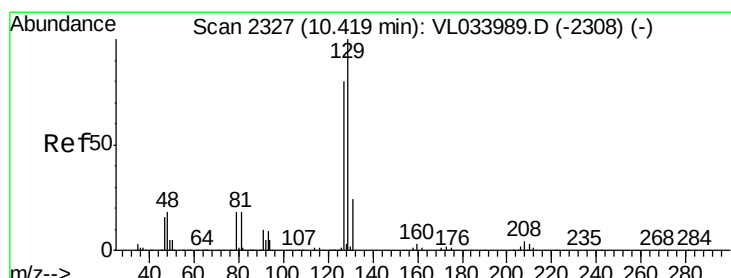
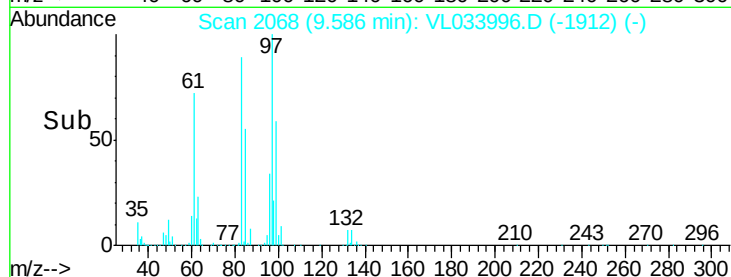
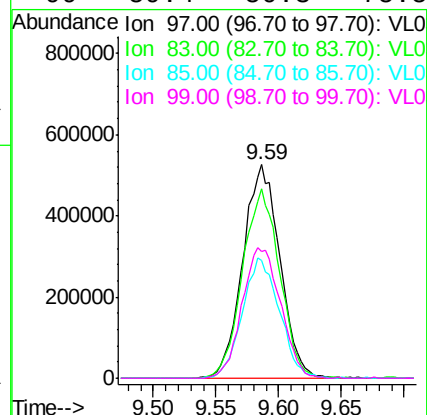
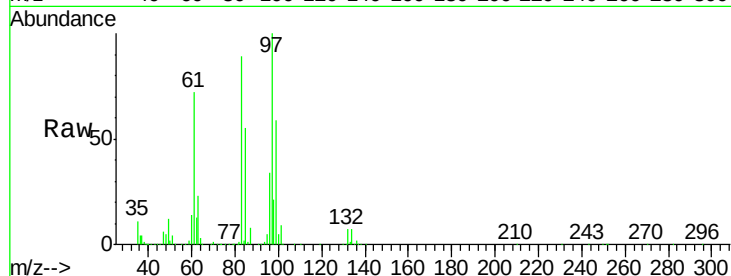
#47
 1,1,2-Trichloroethane
 Concen: 10.230 ppbv
 RT: 9.59 min Scan# 2068
 Delta R.T. 0.00 min
 Lab File: VL033996.D
 Acq: 2 Jul 2019 21:56

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL070219

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.1	106.7
85	54.9	42.6	64.0
99	59.4	50.3	75.5

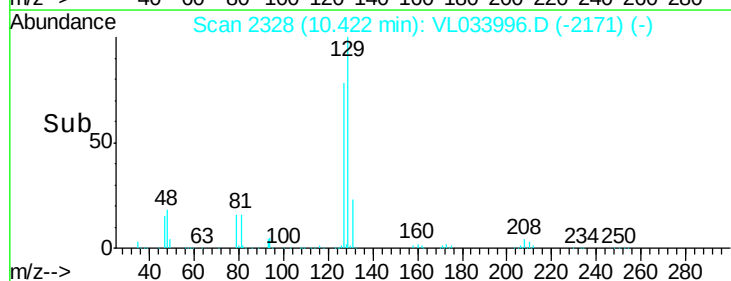
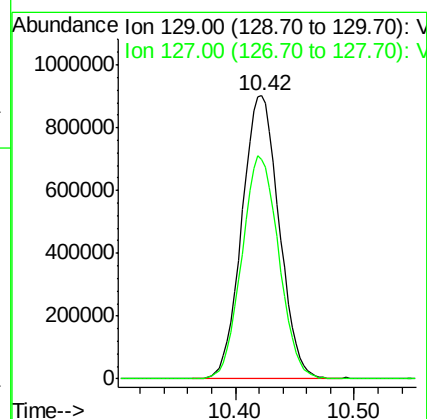
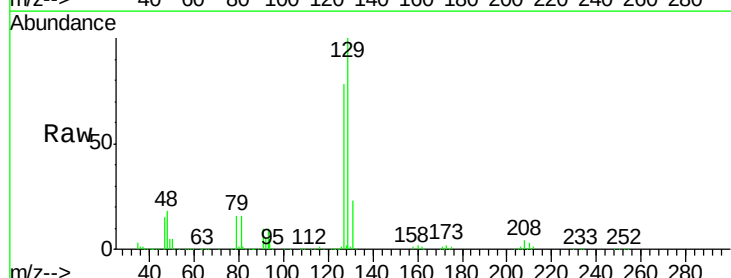
Manual Integrations
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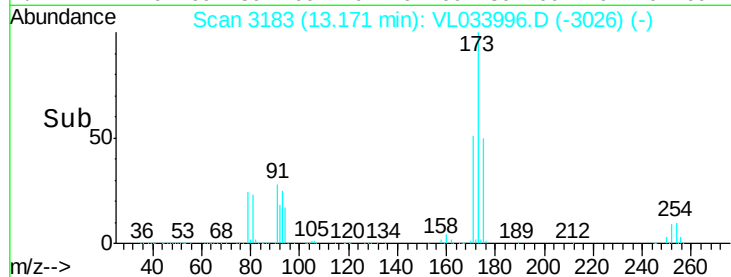
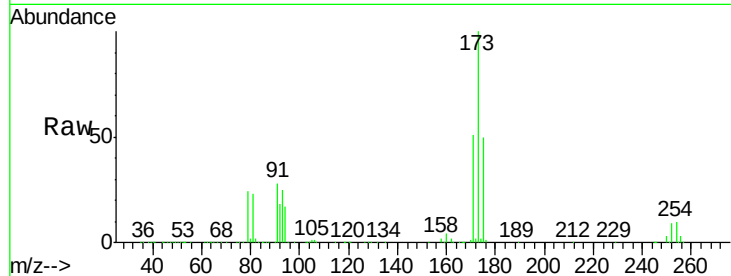
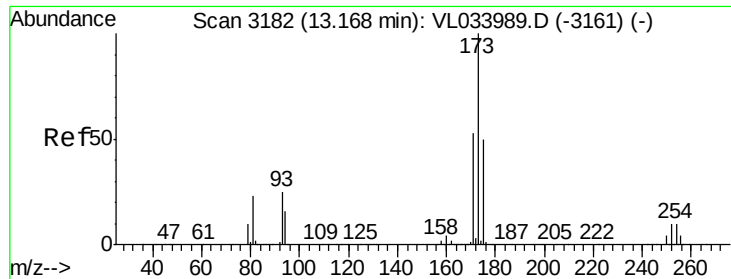
MMDadoda
 7/3/2019 11:03:35 PM



#48
 Dibromochloromethane
 Concen: 9.684 ppbv
 RT: 10.42 min Scan# 2328
 Delta R.T. 0.00 min
 Lab File: VL033996.D
 Acq: 2 Jul 2019 21:56

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.1	117.3





#49

Bromoform

Concen: 10.889 ppbv

RT: 13.17 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

Tot Ion:173 Resp: 1876560

Ion Ratio Lower Upper

173 100

175 49.7 39.3 58.9

171 51.7 41.4 62.0

Instrument :

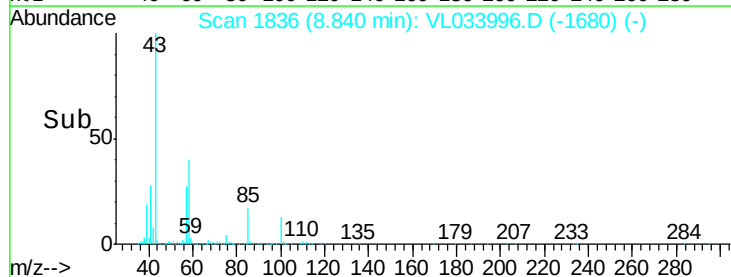
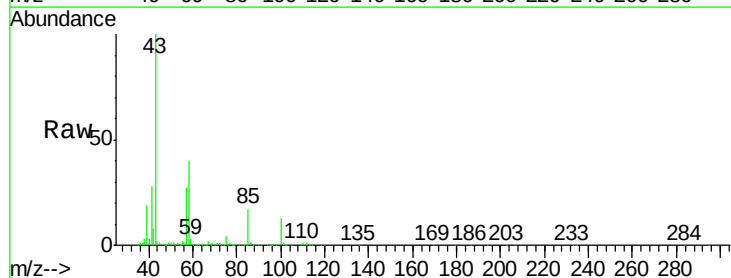
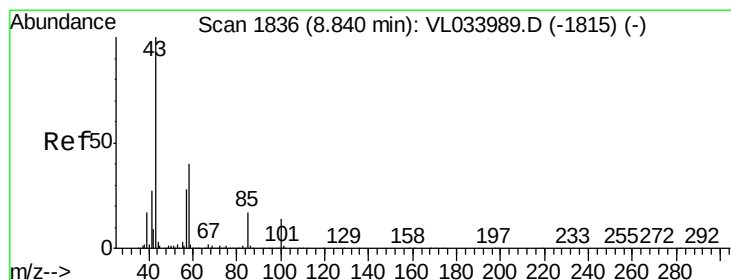
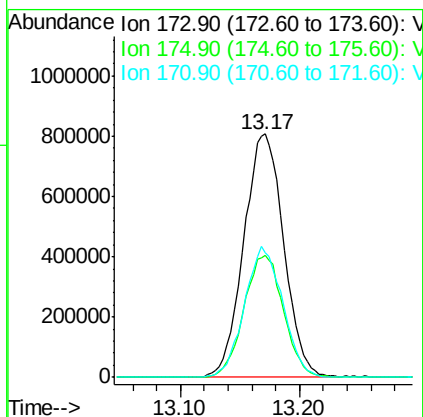
MSVOA_L

ClientSampleId :

ICVVL070219

Manual Integrations
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#50

4-Methyl-2-Pentanone

Concen: 10.306 ppbv

RT: 8.84 min Scan# 1836

Delta R.T. 0.00 min

Lab File: VL033996.D

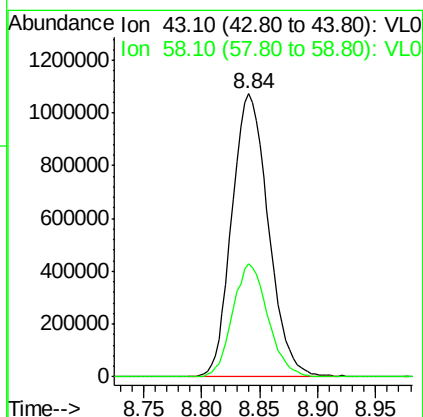
Acq: 2 Jul 2019 21:56

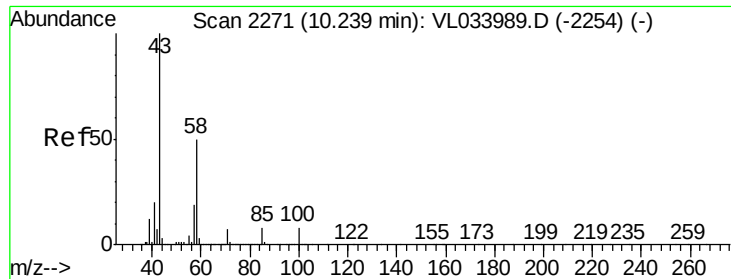
Tgt Ion: 43 Resp: 2338840

Ion Ratio Lower Upper

43 100

58 38.7 30.3 45.5





#51

2-Hexanone

Concen: 10.835 ppbv

RT: 10.24 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070219

Tot Ion: 43 Resp: 1983019

Ion Ratio Lower Upper

43 100

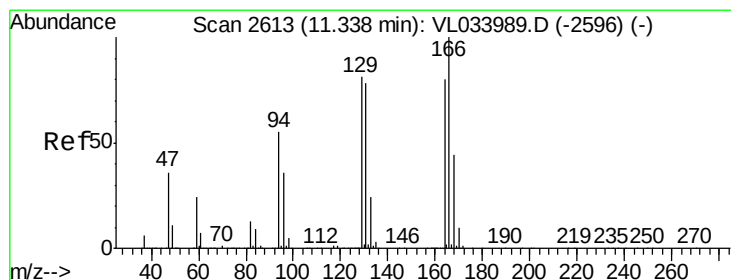
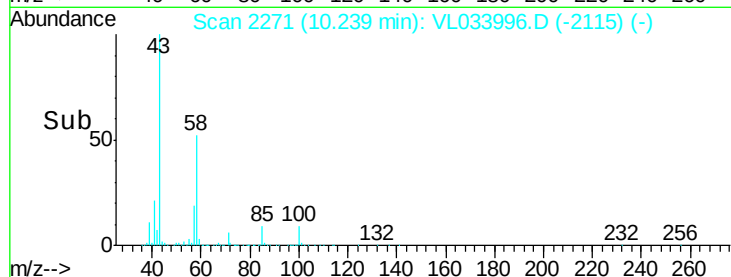
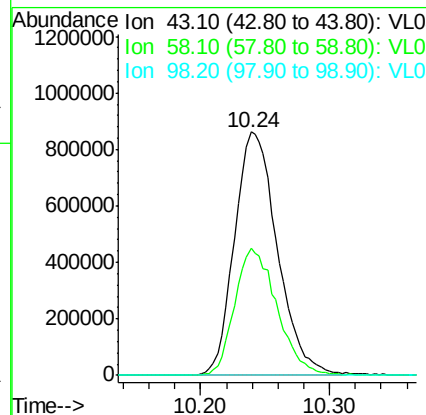
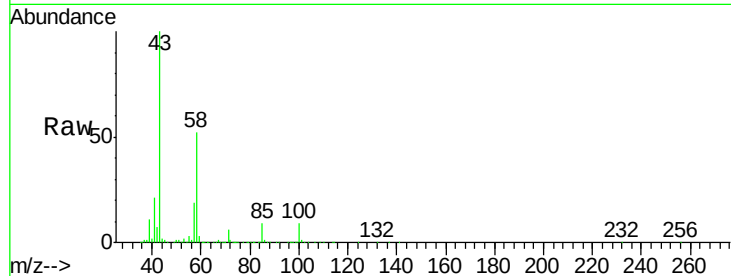
58 51.8 41.0 61.4

98 0.4 0.2 0.2#

Manual Integrations
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#52

Tetrachloroethene

Concen: 10.462 ppbv

RT: 11.34 min Scan# 2614

Delta R.T. 0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

Tgt Ion: 164 Resp: 1018125

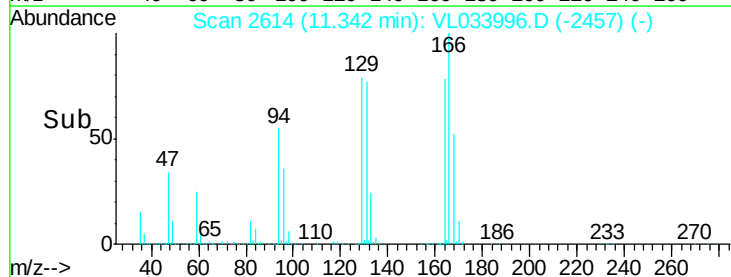
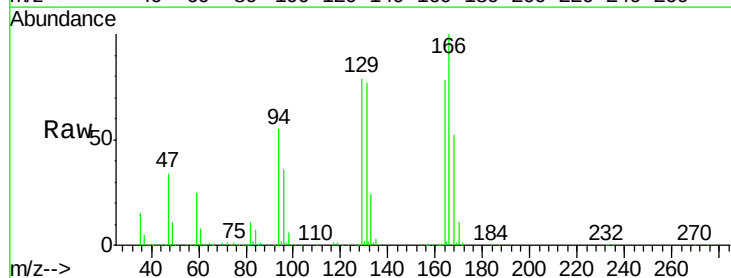
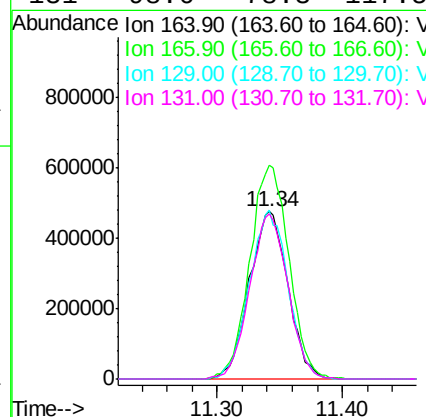
Ion Ratio Lower Upper

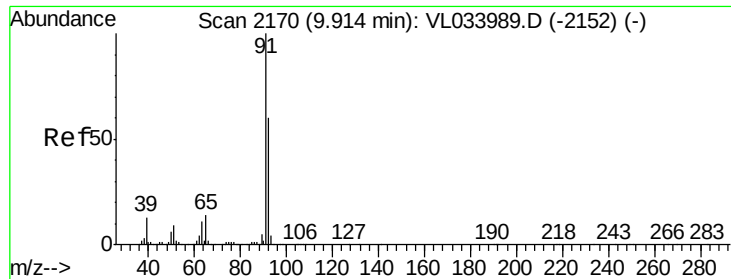
164 100

166 127.7 100.2 150.2

129 101.2 81.0 121.6

131 98.6 78.3 117.5





#53

Toluene

Concen: 11.565 ppbv

RT: 9.92 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070219

Tot Ion: 91 Resp: 2993381

Ion Ratio Lower Upper

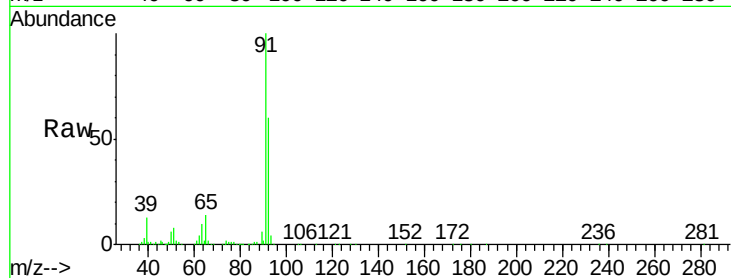
91 100

92 59.0 47.7 71.5

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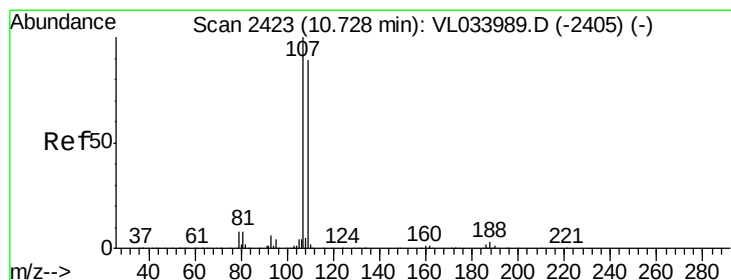
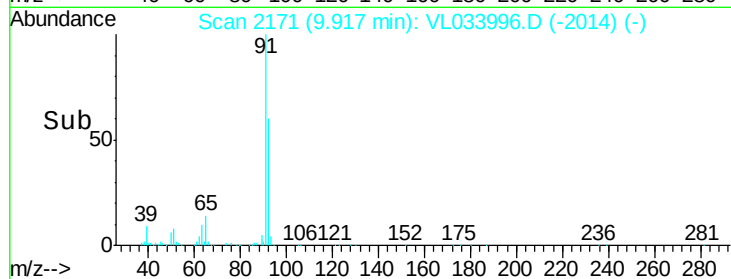
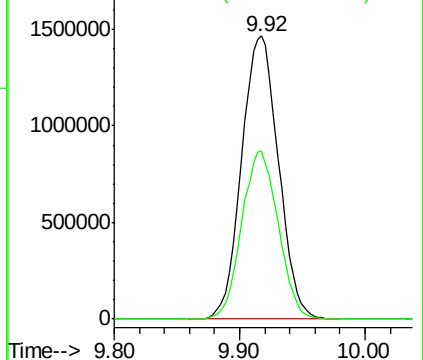
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.635 ppbv

RT: 10.73 min Scan# 2424

Delta R.T. 0.00 min

Lab File: VL033996.D

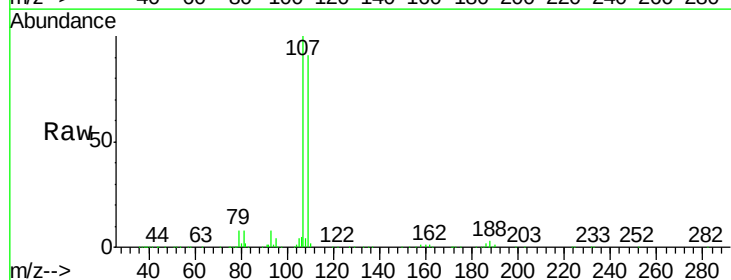
Acq: 2 Jul 2019 21:56

Tgt Ion: 107 Resp: 1659236

Ion Ratio Lower Upper

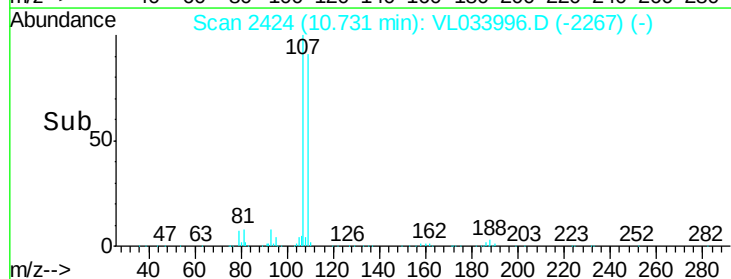
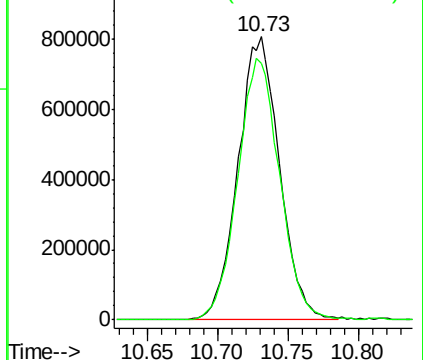
107 100

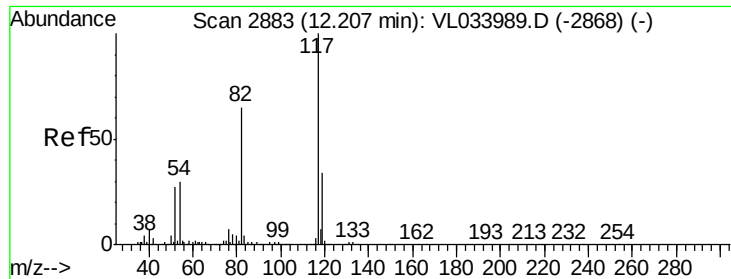
109 90.7 71.5 107.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





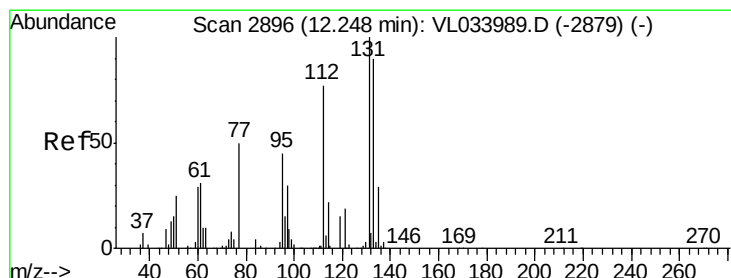
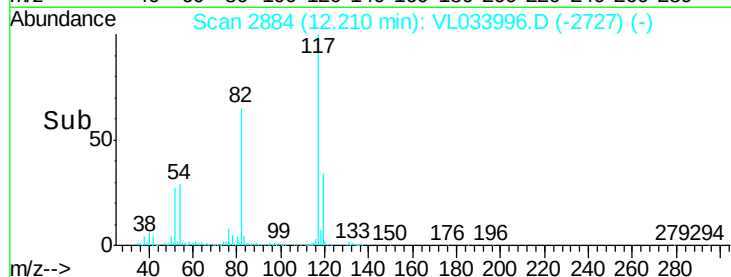
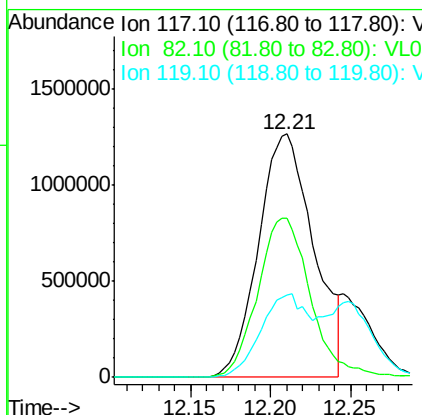
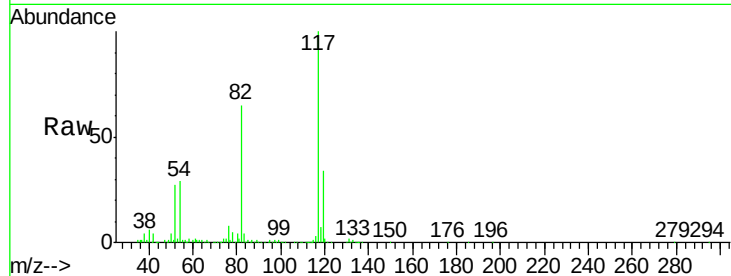
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.21 min Scan# 2884
Delta R.T. 0.00 min
Lab File: VL033996.D
Acq: 2 Jul 2019 21:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL070219

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.7	50.8	76.2
119	32.8	24.0	36.0

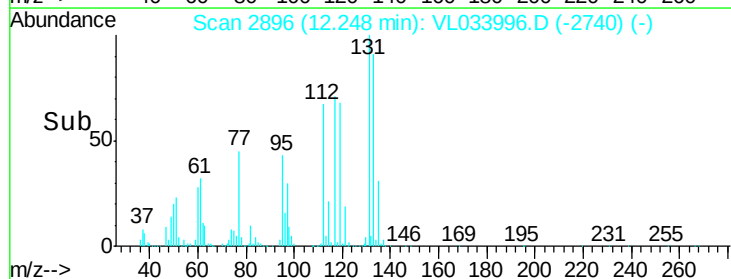
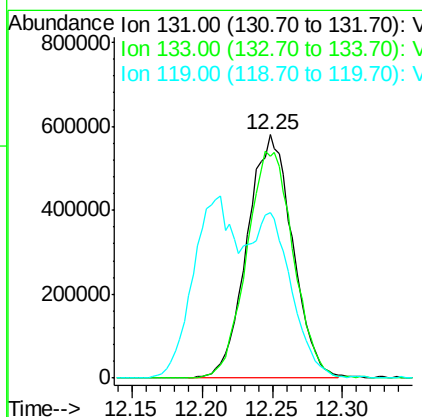
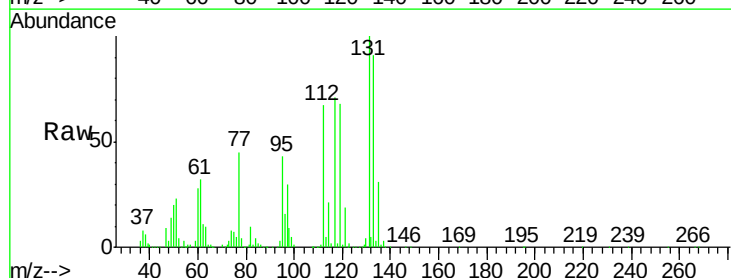
Manual Integrations
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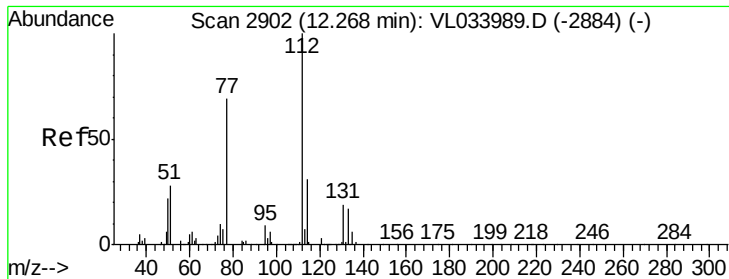
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.600 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VL033996.D
Acq: 2 Jul 2019 21:56

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	76.2	114.2
119	56.9	43.1	64.7





#57

Chlorobenzene

Concen: 9.671 ppbv

RT: 12.27 min Scan# 2903

Delta R.T. 0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

Instrument :

MSVOA_L

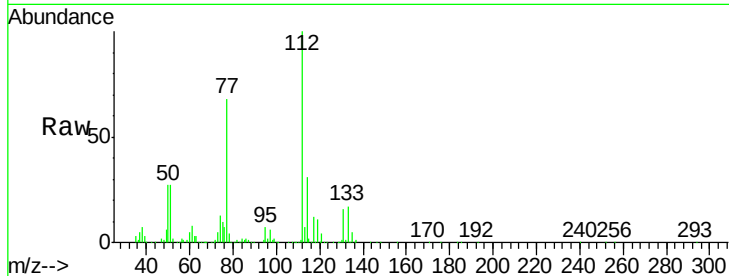
ClientSampleId :

ICVVL070219

Tot Ion	Ratio	Lower	Upper
112	100		
77	67.2	55.9	83.9
114	31.4	27.6	33.8

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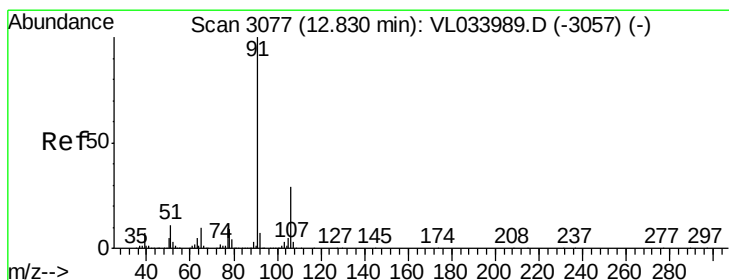
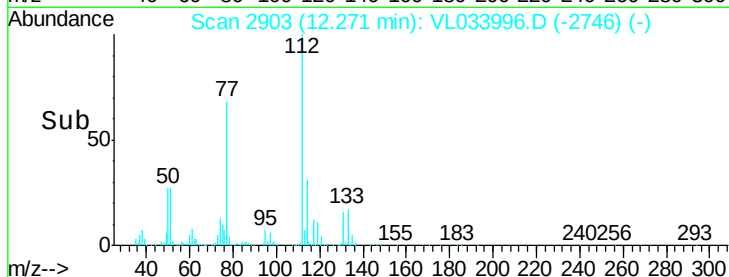
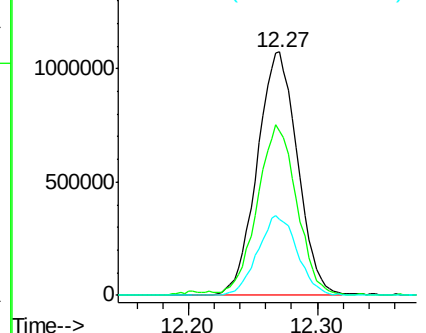
MMDadoda
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 11.248 ppbv

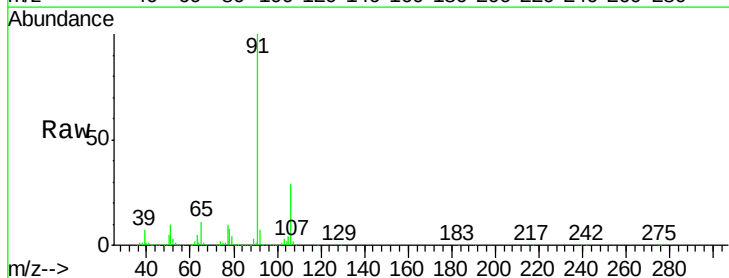
RT: 12.83 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VL033996.D

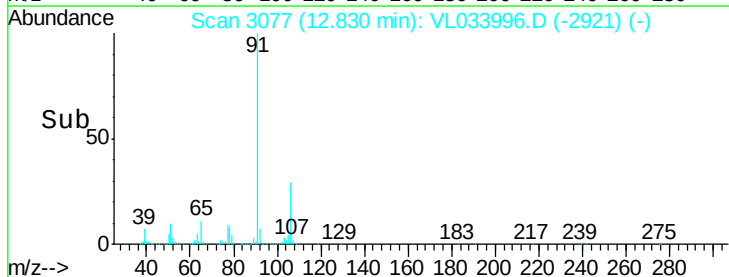
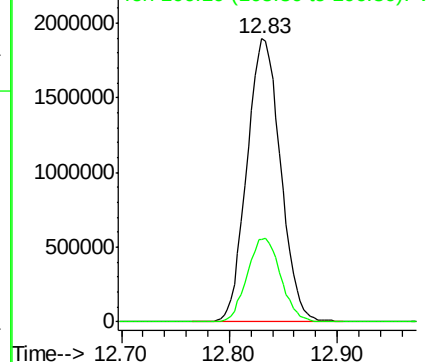
Acq: 2 Jul 2019 21:56

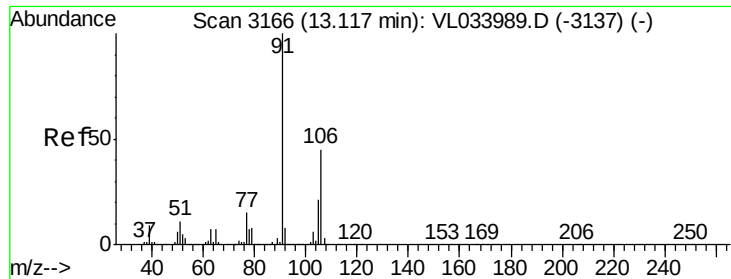
Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.2	23.3	34.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





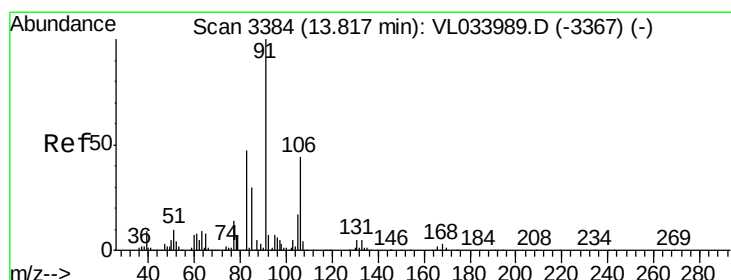
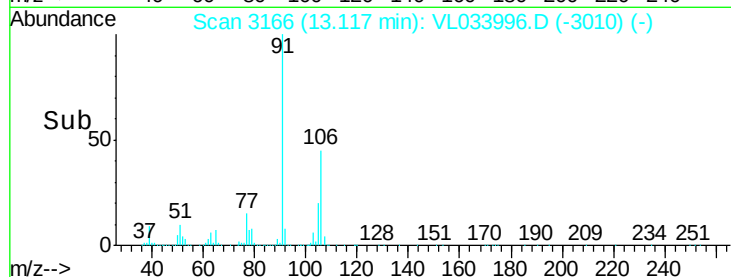
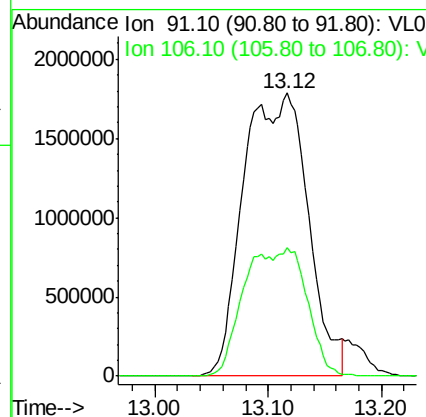
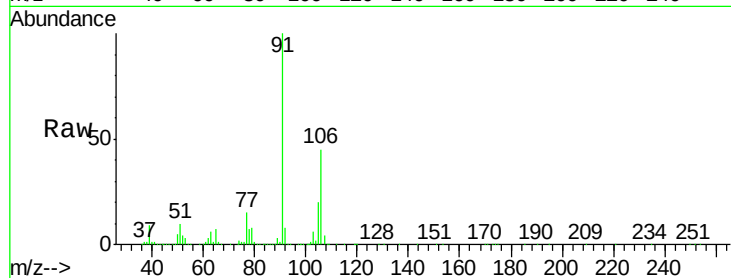
#59
m/p-Xylene
Concen: 21.329 ppbv m
RT: 13.12 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VL033996.D
Acq: 2 Jul 2019 21:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL070219

Tot Ion: 91 Resp: 7041869
Ion Ratio Lower Upper
91 100
106 44.3 35.7 53.5

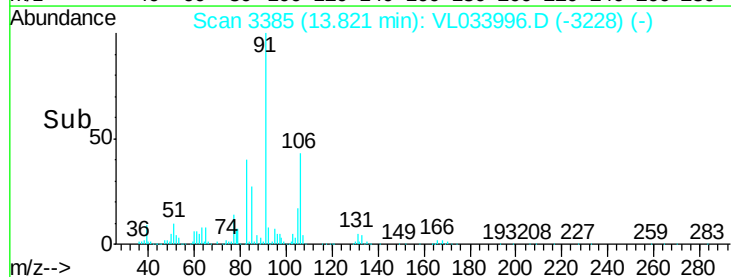
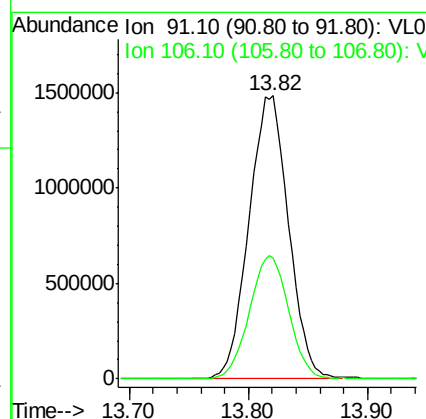
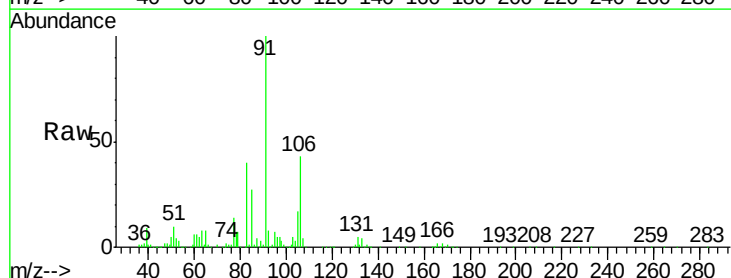
Manual Integrations
APPROVED

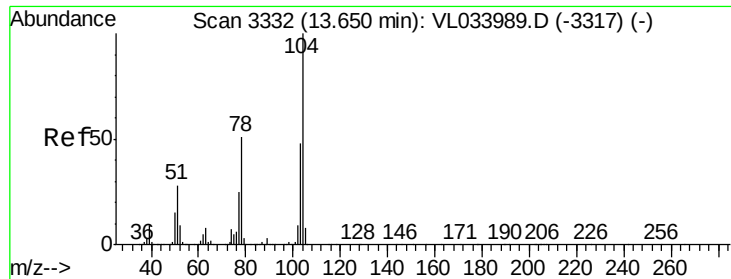
MMDadoda
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#60
o-Xylene
Concen: 10.324 ppbv
RT: 13.82 min Scan# 3385
Delta R.T. 0.00 min
Lab File: VL033996.D
Acq: 2 Jul 2019 21:56

Tgt Ion: 91 Resp: 3409815
Ion Ratio Lower Upper
91 100
106 43.4 21.9 65.7





#61

Stvrene

Concen: 11.933 ppbv

RT: 13.65 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070219

Tot Ion:104 Resp: 2608251

Ion Ratio Lower Upper

104 100

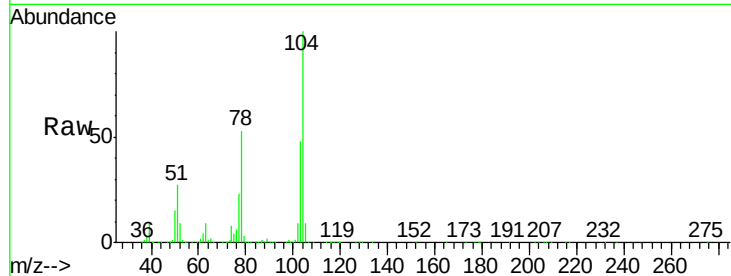
78 53.9 43.9 65.9

103 47.5 38.1 57.1

Manual Integrations
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V

1500000

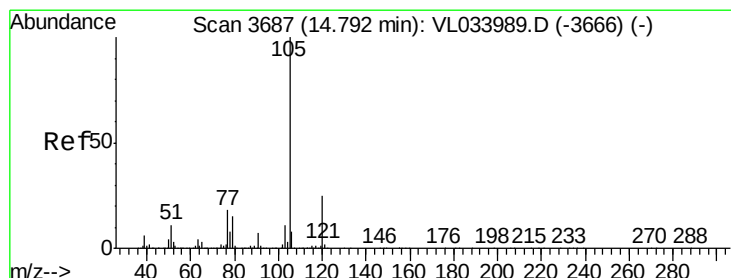
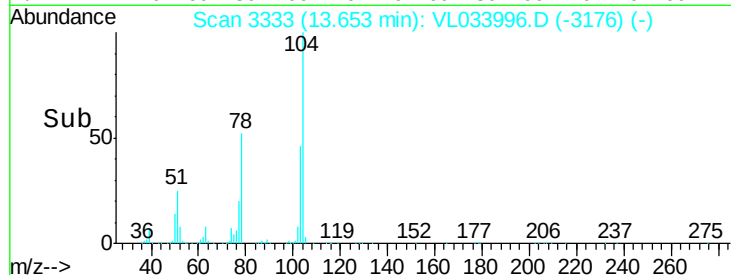
1000000

500000

0

13.65

Time-->



#62

Isopropylbenzene

Concen: 8.811 ppbv

RT: 14.79 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VL033996.D

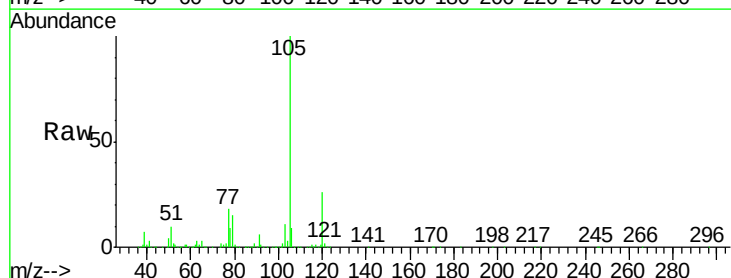
Acq: 2 Jul 2019 21:56

Tgt Ion:105 Resp: 4473403

Ion Ratio Lower Upper

105 100

120 24.9 20.4 30.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

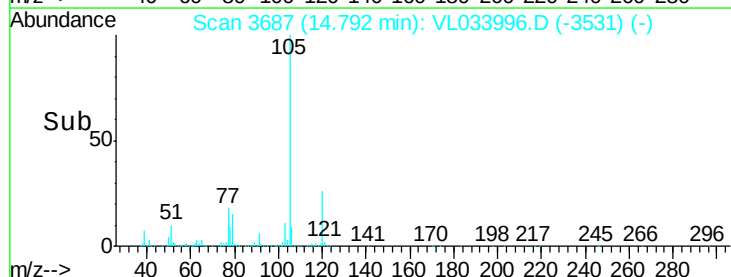
1000000

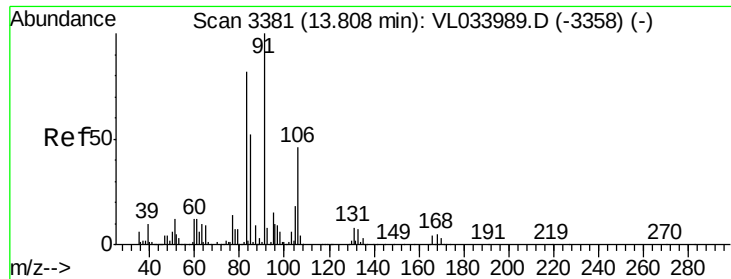
500000

0

14.79

Time-->





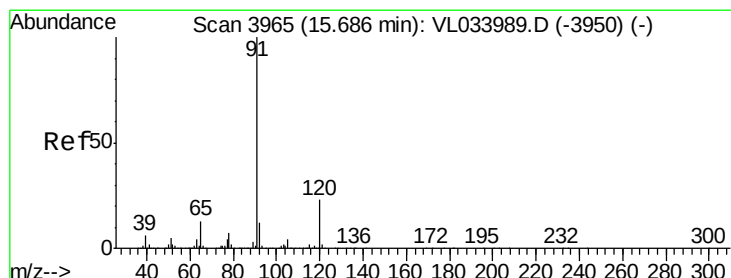
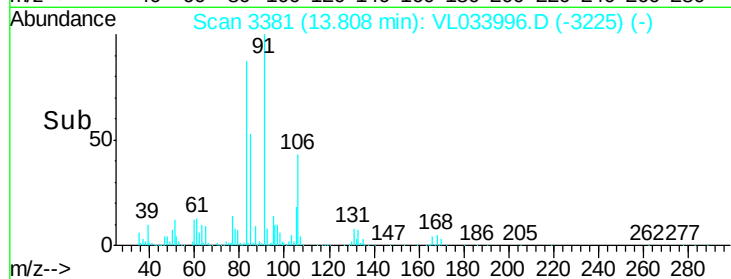
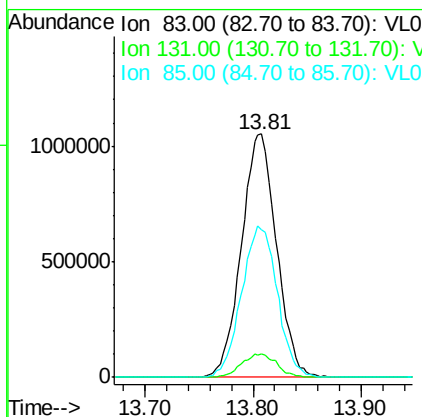
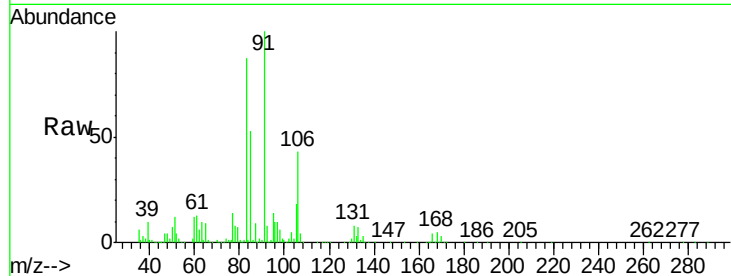
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.309 ppbv
 RT: 13.81 min Scan# 3381
 Delta R.T. 0.00 min
 Lab File: VL033996.D
 Acq: 2 Jul 2019 21:56

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL070219

Tot Ion	83	Resp	2379830
Ion Ratio	100	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	63.7	32.8	98.3

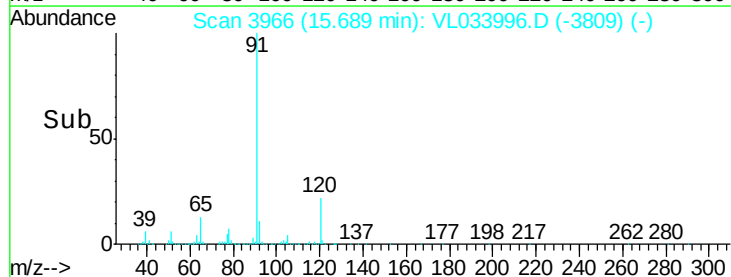
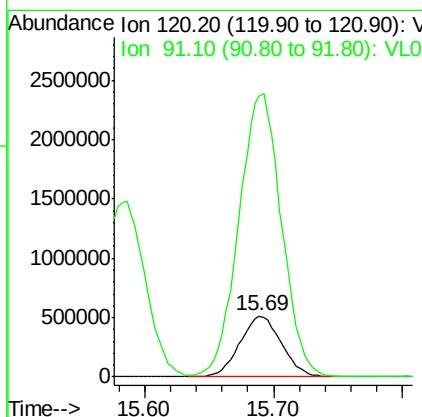
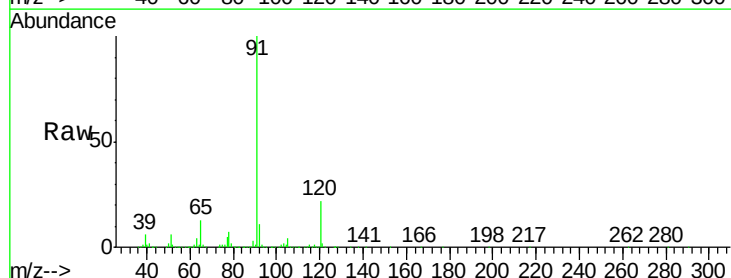
Manual Integrations
 APPROVED

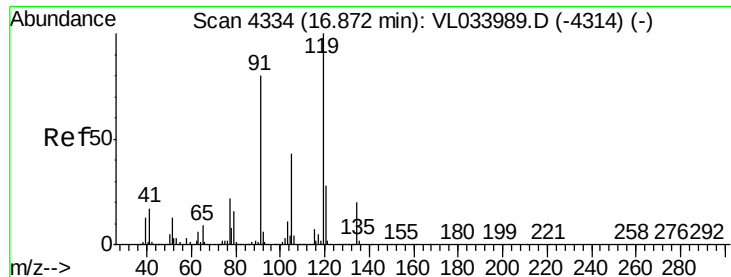
MMDadoda
 7/3/2019 11:03:35 PM



#64
 n-propylbenzene
 Concen: 8.756 ppbv
 RT: 15.69 min Scan# 3966
 Delta R.T. 0.00 min
 Lab File: VL033996.D
 Acq: 2 Jul 2019 21:56

Tgt Ion	120	Resp	1152795
Ion Ratio	100	Lower	Upper
120	100		
91	477.5	386.6	579.8





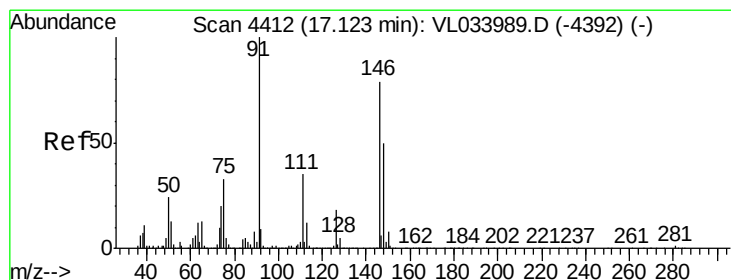
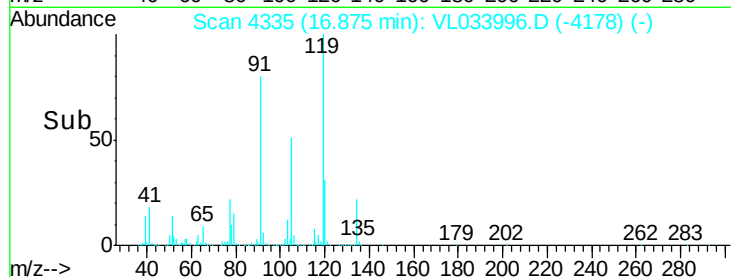
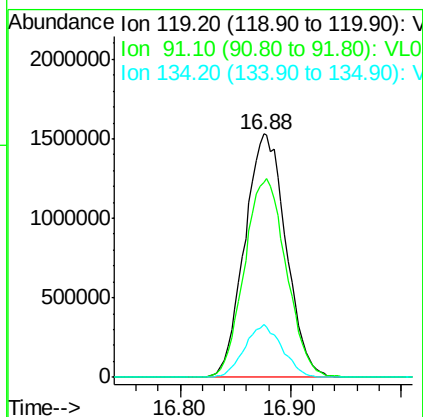
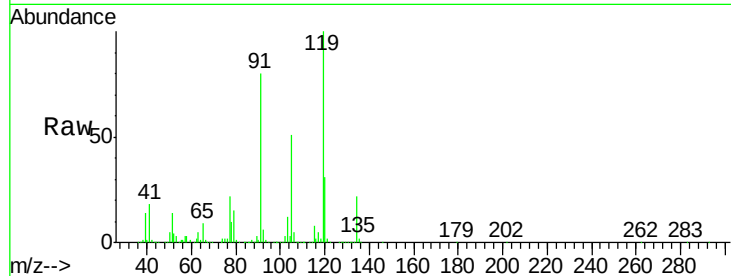
#65
tert-Butylbenzene
Concen: 9.176 ppbv
RT: 16.88 min Scan# 4335
Delta R.T. 0.00 min
Lab File: VL033996.D
Acq: 2 Jul 2019 21:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL070219

Tot Ion:119 Resp: 3961829
Ion Ratio Lower Upper
119 100
91 83.1 67.0 100.6
134 19.9 15.8 23.6

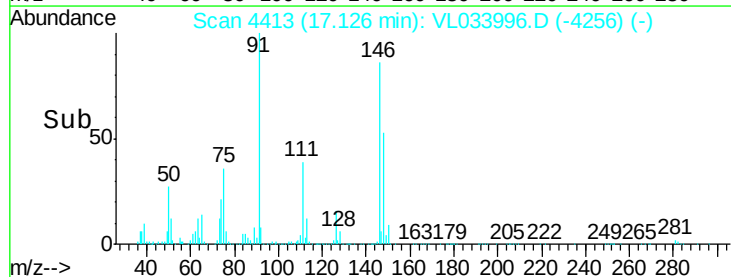
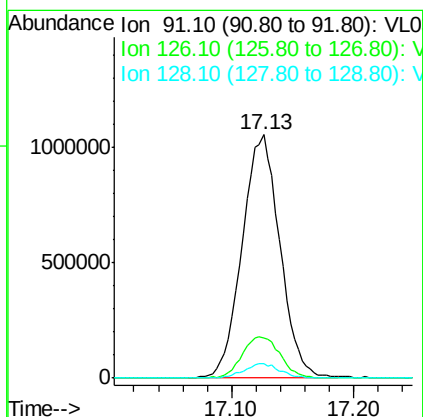
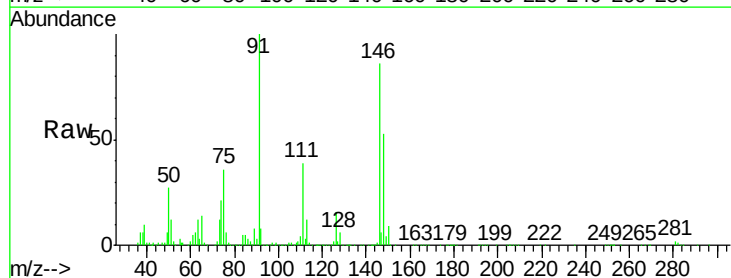
Manual Integrations
APPROVED

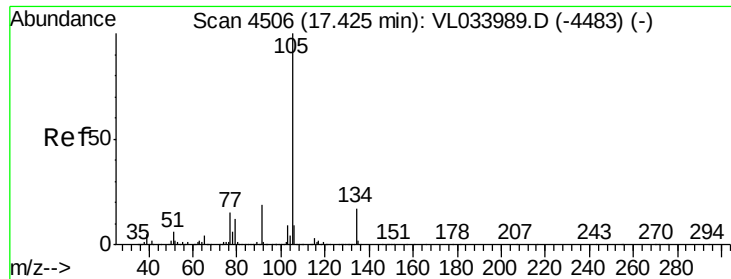
MMDadoda
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#66
Benzyl Chloride
Concen: 10.187 ppbv
RT: 17.13 min Scan# 4413
Delta R.T. 0.00 min
Lab File: VL033996.D
Acq: 2 Jul 2019 21:56

Tgt Ion: 91 Resp: 2250303
Ion Ratio Lower Upper
91 100
126 17.2 13.9 20.9
128 5.6 4.6 7.0





#67

sec-Butylbenzene

Concen: 9.283 ppbv

RT: 17.43 min Scan# 4507

Delta R.T. 0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070219

Tot Ion:105 Resp: 5625625

Ion Ratio Lower Upper

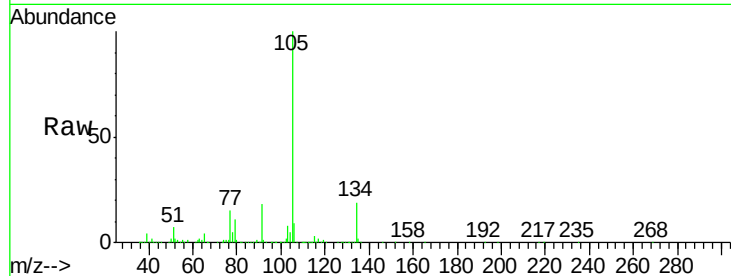
105 100

134 18.4 14.7 22.1

Manual Integrations
APPROVED

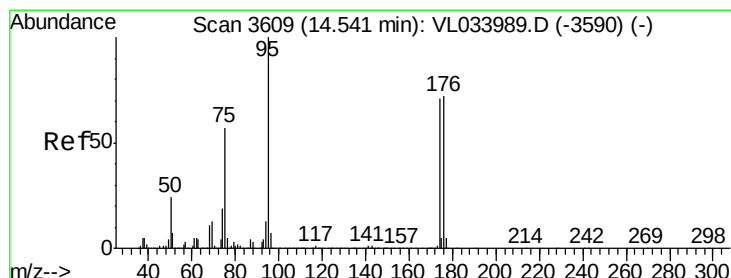
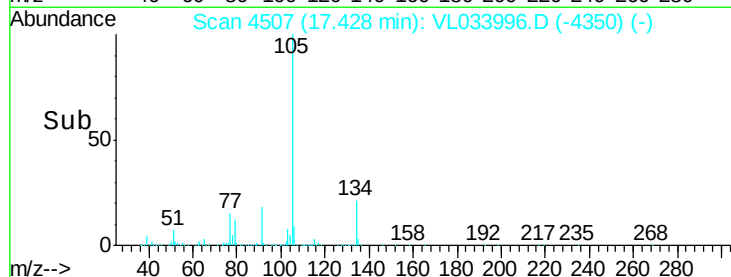
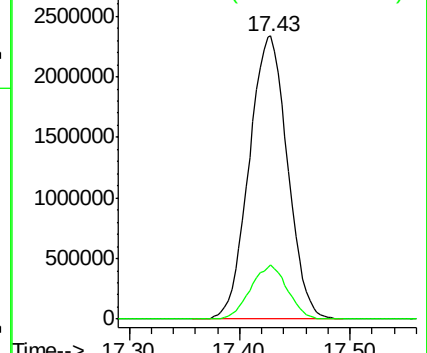
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.018 ppbv

RT: 14.54 min Scan# 3610

Delta R.T. 0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

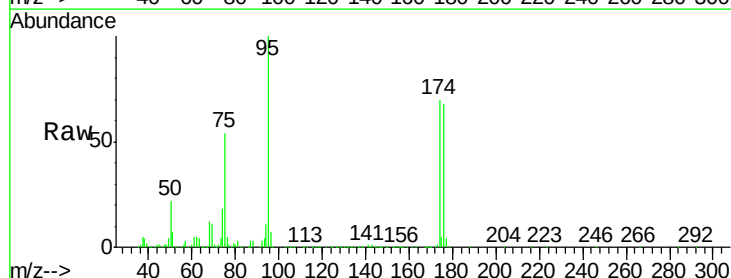
Tgt Ion: 95 Resp: 2332167

Ion Ratio Lower Upper

95 100

174 73.1 60.5 90.7

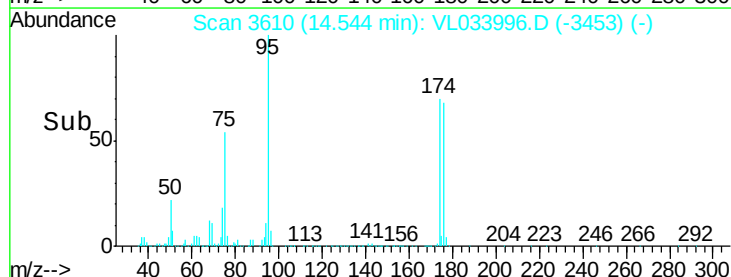
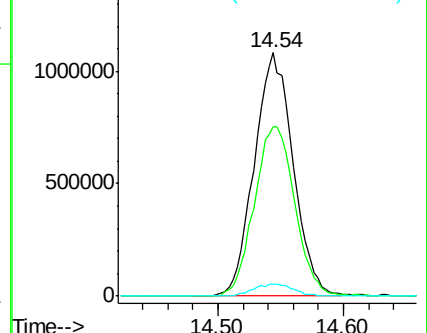
175 5.1 4.0 6.0

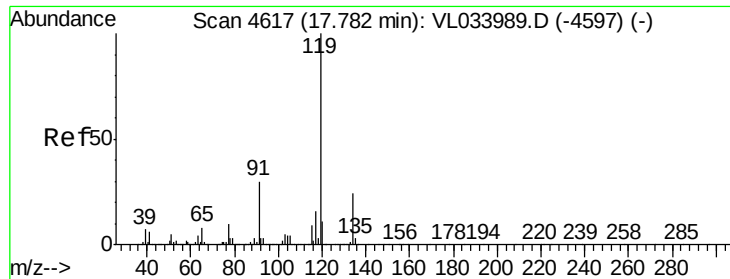


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





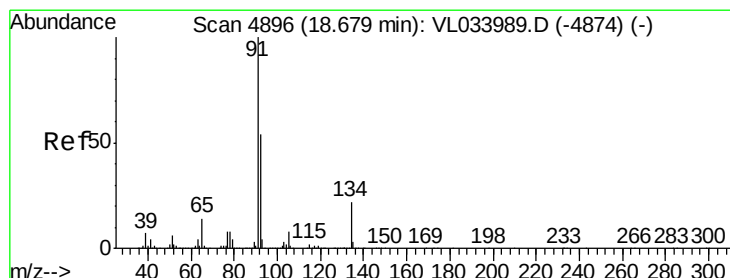
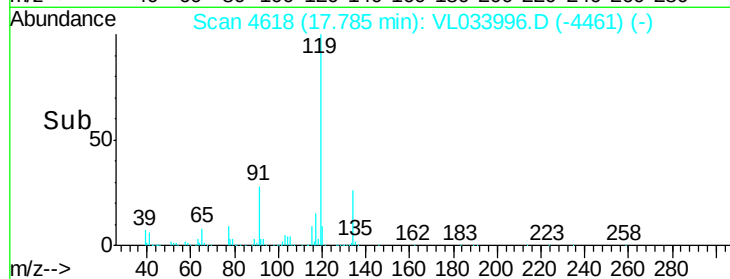
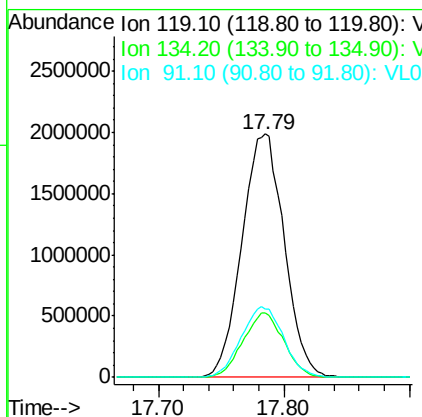
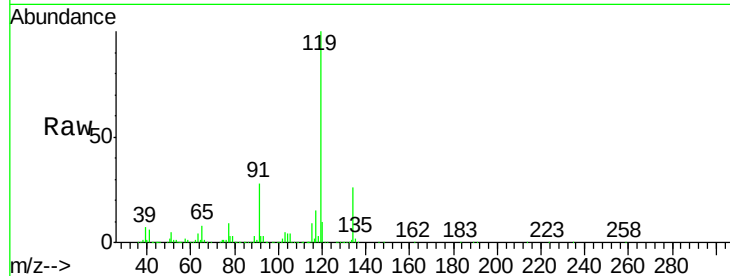
#69
 p-Isopropyltoluene
 Concen: 9.301 ppbv
 RT: 17.79 min Scan# 4618
 Delta R.T. 0.00 min
 Lab File: VL033996.D
 Acq: 2 Jul 2019 21:56

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL070219

Tot Ion: 119 Resp: 4647382
 Ion Ratio Lower Upper
 119 100
 134 25.6 20.1 30.1
 91 29.1 23.6 35.4

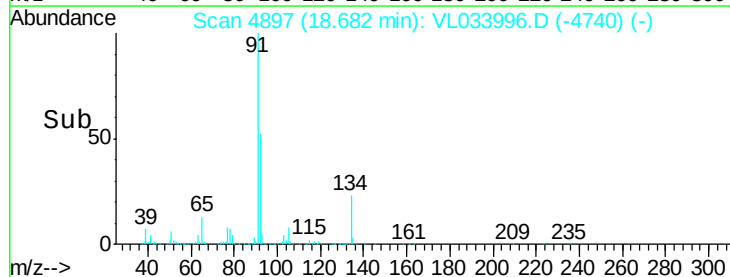
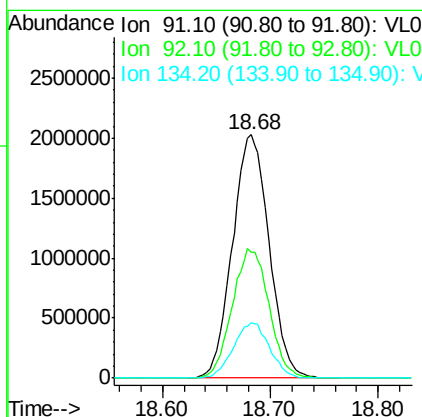
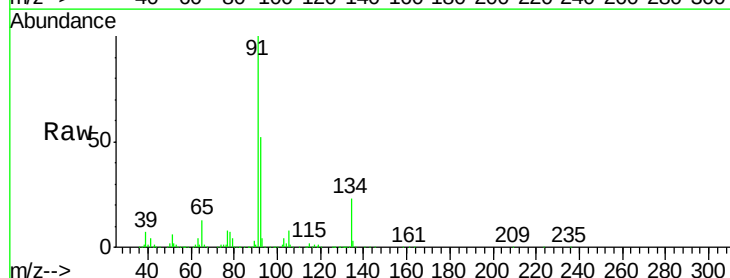
Manual Integrations
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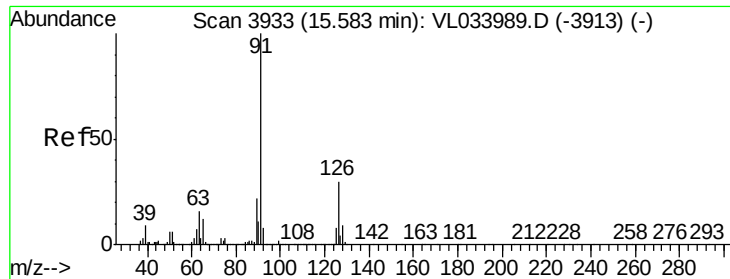
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#70
 n-Butylbenzene
 Concen: 9.085 ppbv
 RT: 18.68 min Scan# 4897
 Delta R.T. 0.00 min
 Lab File: VL033996.D
 Acq: 2 Jul 2019 21:56

Tgt Ion: 91 Resp: 4768635
 Ion Ratio Lower Upper
 91 100
 92 53.6 42.0 63.0
 134 22.7 17.9 26.9





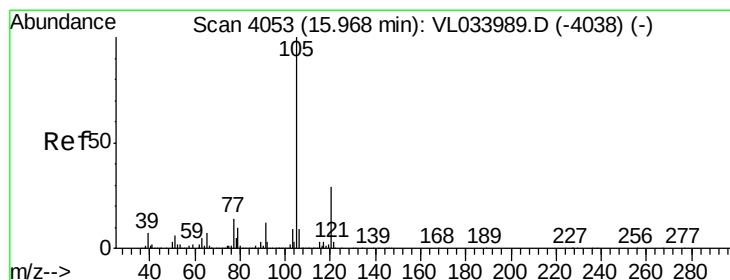
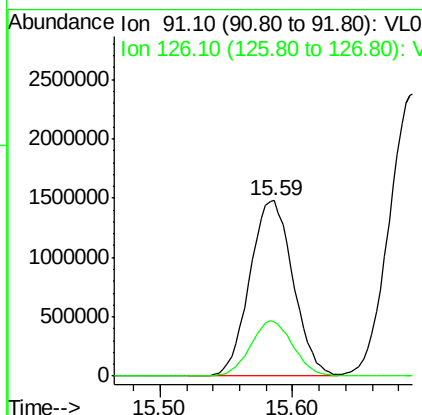
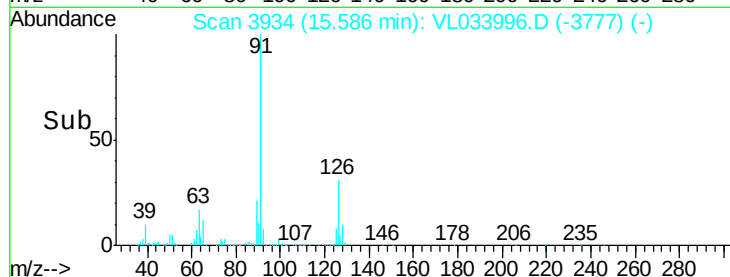
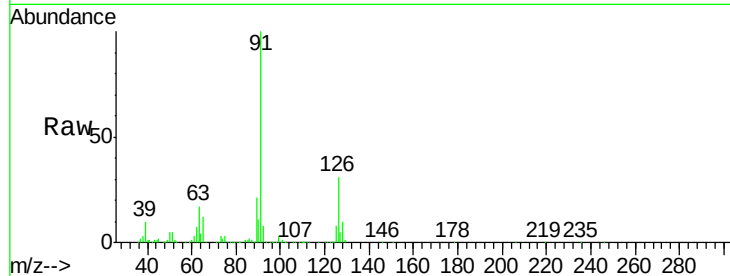
#71
2-Chlorotoluene
Concen: 9.073 ppbv
RT: 15.59 min Scan# 3934
Delta R.T. 0.00 min
Lab File: VL033996.D
Acq: 2 Jul 2019 21:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL070219

Tot Ion: 91 Resp: 3371395
Ion Ratio Lower Upper
91 100
126 30.9 12.3 49.3

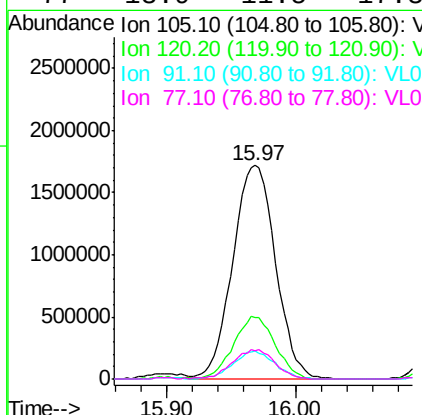
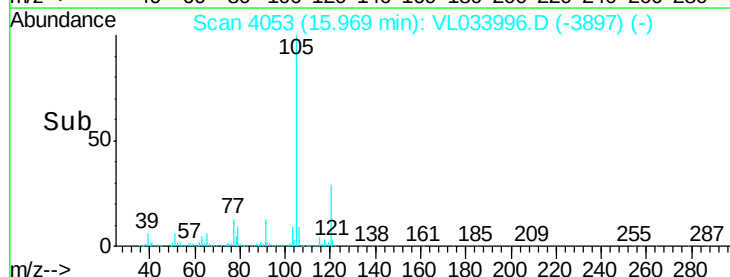
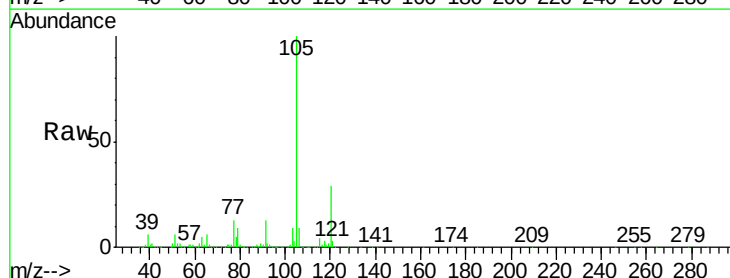
Manual Integrations
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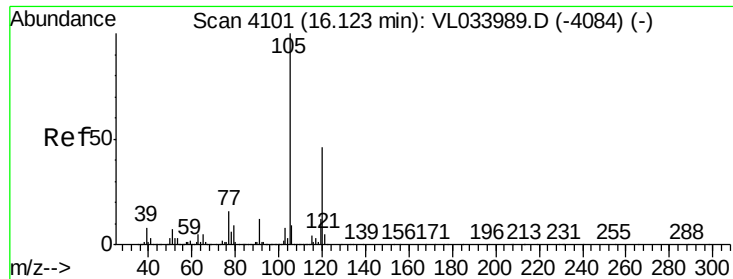
MMDadoda
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#72
4-Ethyltoluene
Concen: 9.302 ppbv
RT: 15.97 min Scan# 4053
Delta R.T. 0.00 min
Lab File: VL033996.D
Acq: 2 Jul 2019 21:56

Tgt Ion: 105 Resp: 3945546
Ion Ratio Lower Upper
105 100
120 28.7 24.1 36.1
91 12.7 10.6 16.0
77 13.9 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 9.461 ppbv

RT: 16.13 min Scan# 4102

Delta R.T. 0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070219

Tot Ion:105 Resp: 3733627

Ion Ratio Lower Upper

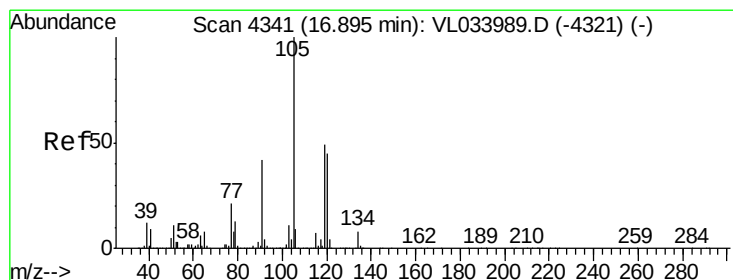
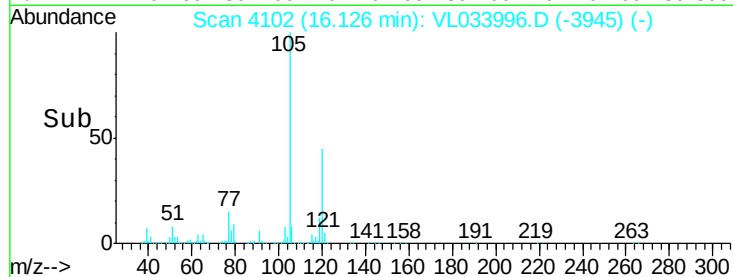
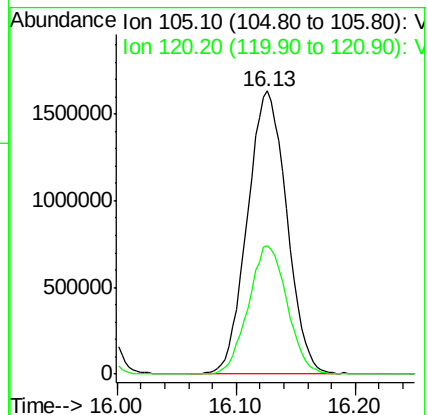
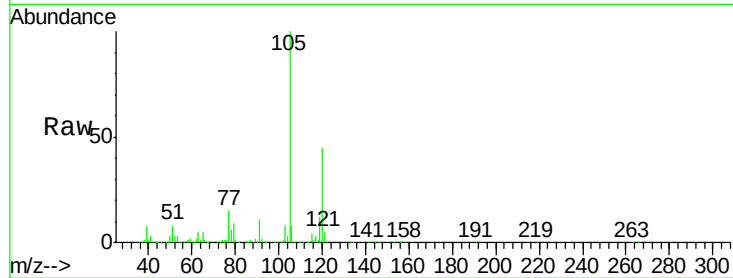
105 100

120 45.2 36.4 54.6

Manual Integrations
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#74

1,2,4-Trimethylbenzene

Concen: 8.921 ppbv

RT: 16.89 min Scan# 4341

Delta R.T. 0.00 min

Lab File: VL033996.D

Acq: 2 Jul 2019 21:56

Tgt Ion:105 Resp: 3899523

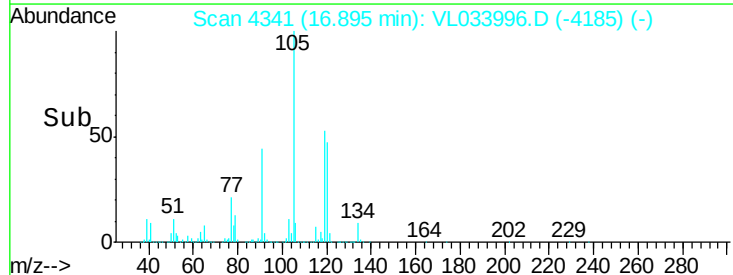
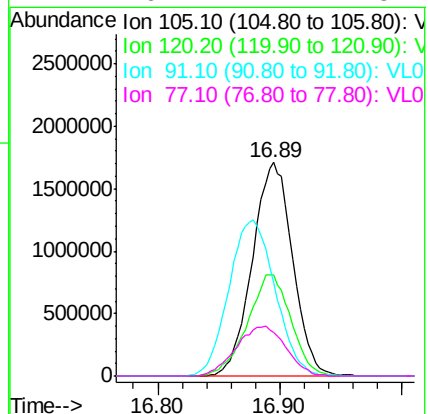
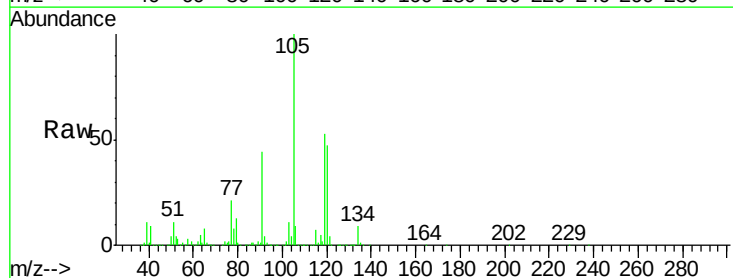
Ion Ratio Lower Upper

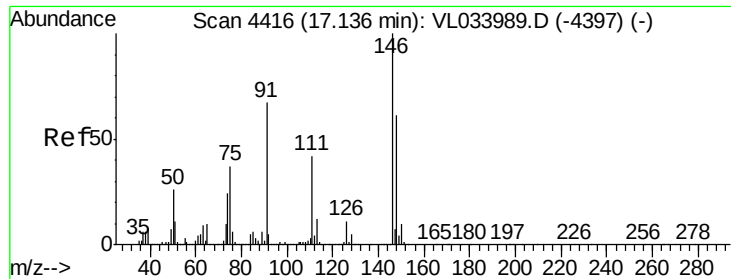
105 100

120 47.1 36.2 54.2

91 43.6 34.3 51.5

77 20.4 17.1 25.7





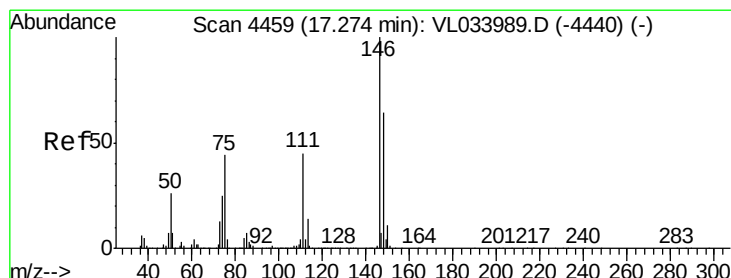
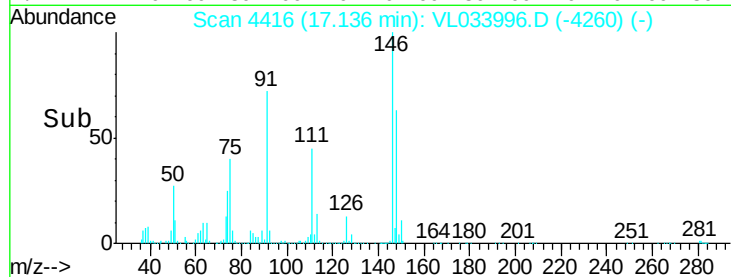
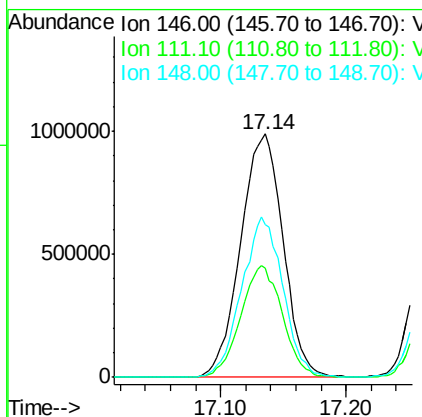
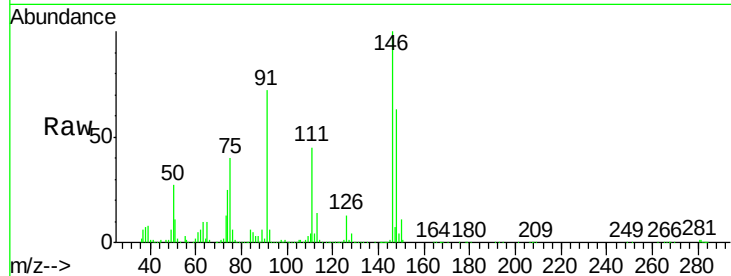
#75
 1,3-Dichlorobenzene
 Concen: 8.392 ppbv
 RT: 17.14 min Scan# 4416
 Delta R.T. 0.00 min
 Lab File: VL033996.D
 Acq: 2 Jul 2019 21:56

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL070219

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.3	66.9
148	64.1	32.0	96.2

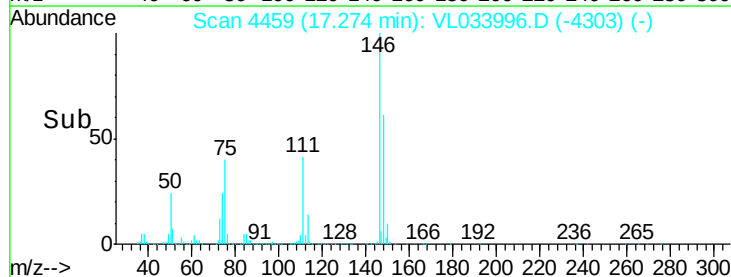
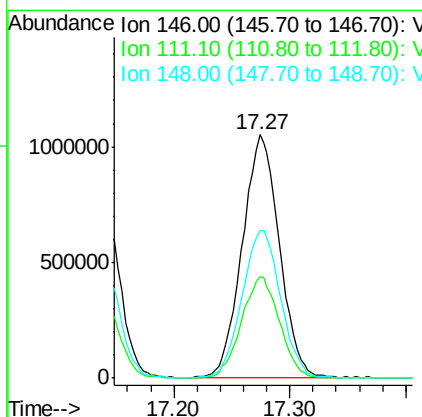
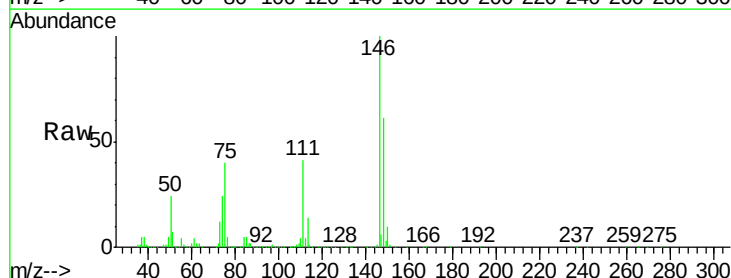
Manual Integrations
 APPROVED

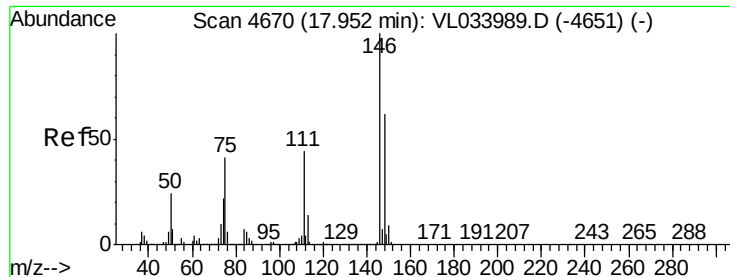
MMDadoda
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#76
 1,4-Dichlorobenzene
 Concen: 8.910 ppbv
 RT: 17.27 min Scan# 4459
 Delta R.T. 0.00 min
 Lab File: VL033996.D
 Acq: 2 Jul 2019 21:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.9	65.5
148	63.3	32.5	97.5





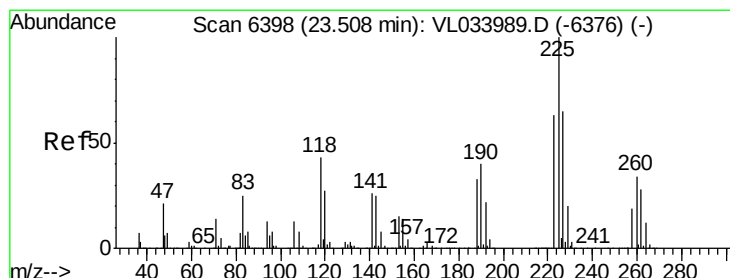
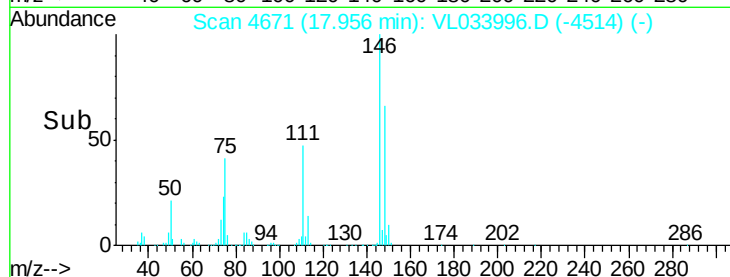
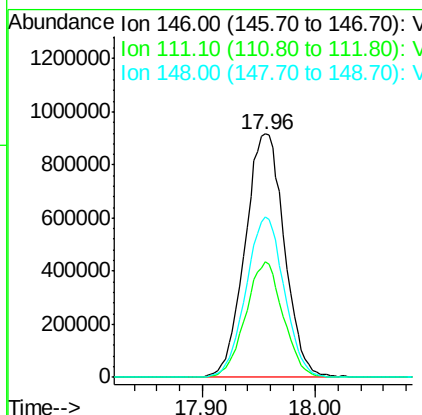
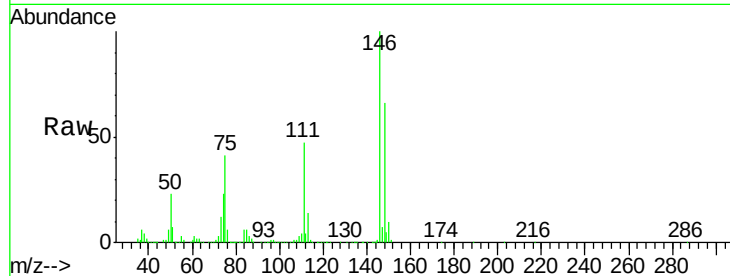
#77
 1,2-Dichlorobenzene
 Concen: 8.591 ppbv
 RT: 17.96 min Scan# 4671
 Delta R.T. 0.00 min
 Lab File: VL033996.D
 Acq: 2 Jul 2019 21:56

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL070219

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	22.7	68.1
148	64.4	32.1	96.3

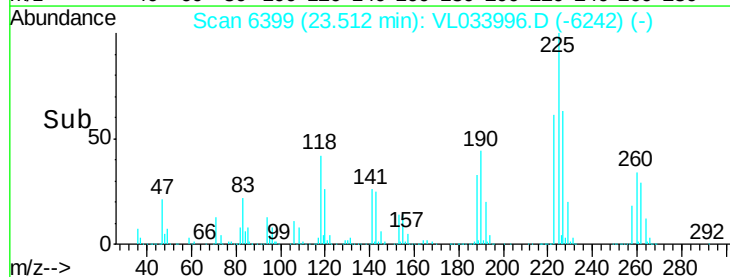
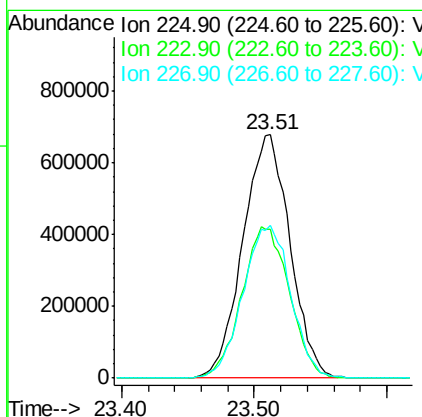
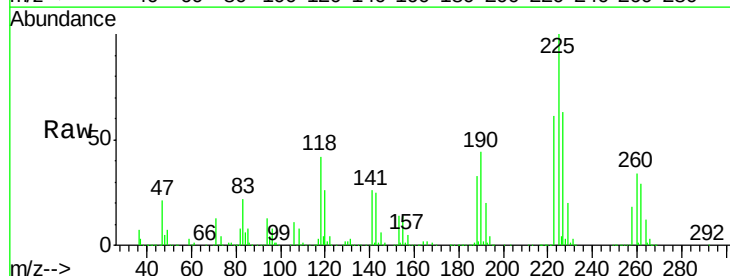
Manual Integrations
 APPROVED

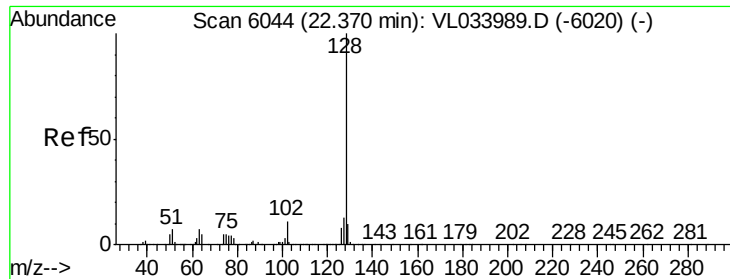
MMDadoda
 7/3/2019 11:03:35 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.626 ppbv
 RT: 23.51 min Scan# 6399
 Delta R.T. 0.00 min
 Lab File: VL033996.D
 Acq: 2 Jul 2019 21:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	51.5	77.3
227	63.9	52.1	78.1





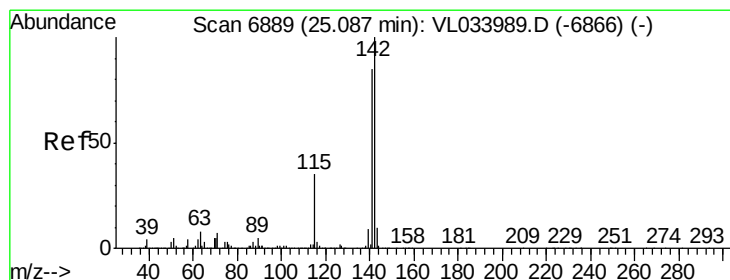
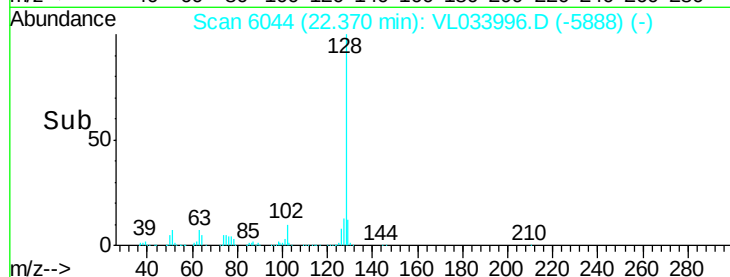
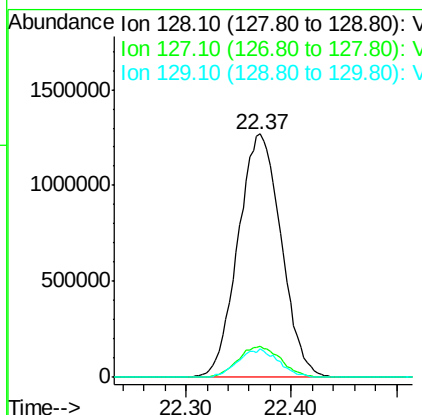
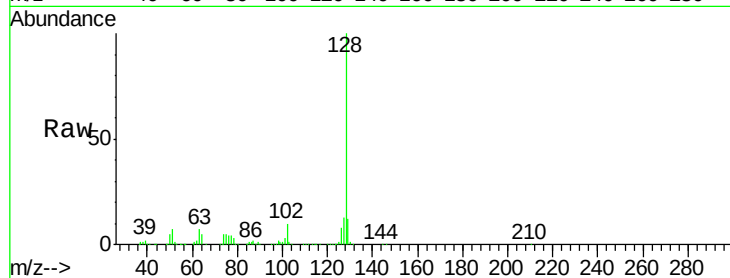
#79
Naphthalene
Concen: 9.773 ppbv
RT: 22.37 min Scan# 6044
Delta R.T. 0.00 min
Lab File: VL033996.D
Acq: 2 Jul 2019 21:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL070219

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	15.8
129	11.9	8.3	12.5

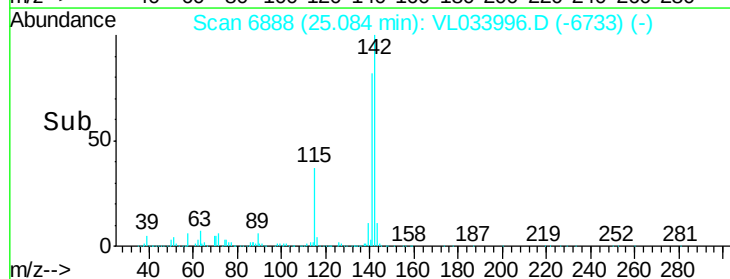
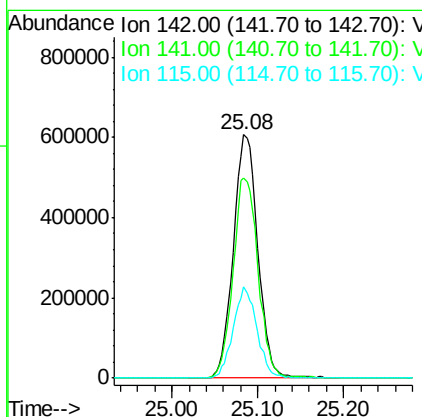
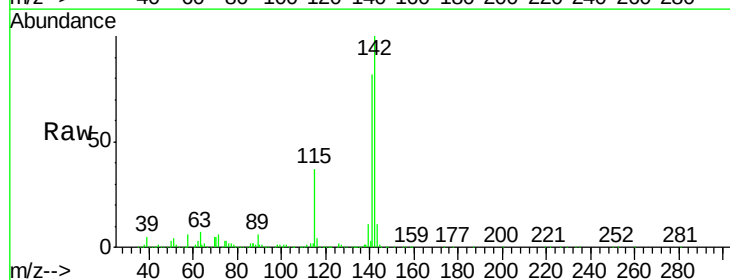
Manual Integrations
APPROVED

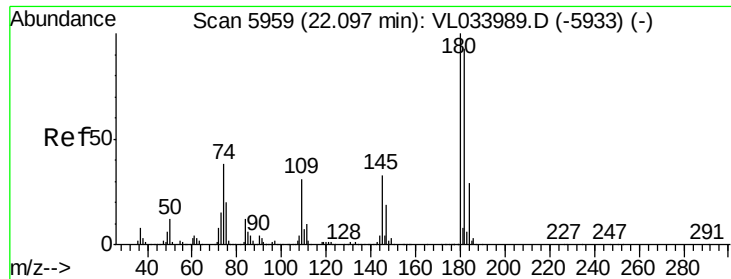
MMDadoda
7/3/2019 11:03:35 PM



#80
Naphthalene, 2-methyl-
Concen: 8.978 ppbv
RT: 25.08 min Scan# 6888
Delta R.T. -0.00 min
Lab File: VL033996.D
Acq: 2 Jul 2019 21:56

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.1	68.2	102.2
115	36.2	29.9	44.9





#81
 1,2,4-Trichlorobenzene
 Concen: 9.141 ppbv
 RT: 22.09 min Scan# 5958
 Delta R.T. -0.00 min
 Lab File: VL033996.D
 Acq: 2 Jul 2019 21:56

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL070219

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.6	114.8
184	30.9	24.6	36.8

Manual Integrations
 APPROVED

MMDadoda
 7/3/2019 11:03:35 PM

