

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050620\
 Data File : VL034939.D
 Acq On : 6 May 2020 12:04
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 2:29:38 PM

Quant Time: May 06 12:51:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 12:36:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1194344	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2756609	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2529657	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2134302	10.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	127299	0.778	ppbv	95
3) Chlorodifluoromethane	2.95	51	76332	0.572	ppbv	96
4) Chloromethane	3.11	50	42884	0.569	ppbv	95
5) Vinyl Chloride	3.22	62	38241	0.528	ppbv #	87
6) Bromomethane	3.45	94	24832	0.588	ppbv	95
7) Chloroethane	3.53	64	14369	0.549	ppbv	98
8) Dichlorotetrafluoroethane	3.15	85	101341	0.597	ppbv	98
9) Propene	2.98	41	31100	0.488	ppbv	99
10) Heptane	8.13	43	68581	0.437	ppbv	98
11) Trichlorofluoromethane	3.93	101	96971	0.557	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	71515	0.587	ppbv	93
13) Ethanol	3.58	45	10266m	0.530	ppbv	
14) Bromoethene	3.71	108	27328	0.520	ppbv #	94
15) Acetone	3.84	43	97080	0.627	ppbv #	88
16) 1,3-Butadiene	3.29	39	37665	0.538	ppbv	94
17) tert-Butyl alcohol	4.28	59	80623m	0.541	ppbv	
18) 1,1-Dichloroethene	4.27	96	28768	0.533	ppbv #	91
19) Isopropyl Alcohol	3.95	45	61063	0.625	ppbv #	91
20) Methylene Chloride	4.32	84	31477	0.643	ppbv	94
21) Allyl Chloride	4.39	41	44645	0.449	ppbv	93
22) trans-1,2-Dichloroethene	4.88	96	25395	0.464	ppbv	100
23) Vinyl Acetate	5.06	43	92646	0.405	ppbv #	98
24) 1,1-Dichloroethane	5.00	63	86542	0.565	ppbv	99
25) Ethyl Acetate	5.67	43	140731	0.510	ppbv	98
26) Hexane	5.68	57	57156	0.481	ppbv	88
27) Carbon Disulfide	4.54	76	66503m	0.493	ppbv	
28) Methyl tert-Butyl Ether	5.02	73	89308m	0.452	ppbv	
29) Chloroform	5.74	83	104814	0.578	ppbv	95
30) Cyclohexane	7.14	84	41287m	0.417	ppbv	
31) cis-1,2-Dichloroethene	5.55	61	55196	0.454	ppbv	93
32) 1,1,1-Trichloroethane	6.51	97	88653	0.502	ppbv	98
34) 2-Butanone	5.24	43	83627	0.457	ppbv	99
35) Carbon Tetrachloride	7.02	117	91846m	0.536	ppbv	
36) Benzene	6.90	78	110494	0.450	ppbv #	91
37) 1,2-Dichloroethane	6.30	62	76043m	0.549	ppbv	
38) Trichloroethene	7.86	130	44121m	0.473	ppbv	
39) 1,2-Dichloropropane	7.63	63	48170m	0.495	ppbv	
40) 1,4-Dioxane	7.88	88	19516m	0.531	ppbv	
41) Tetrahydrofuran	6.06	42	40285	0.406	ppbv	98
42) Bromodichloromethane	7.81	83	98890m	0.524	ppbv	
43) Methyl Methacrylate	8.04	69	42092m	0.407	ppbv	

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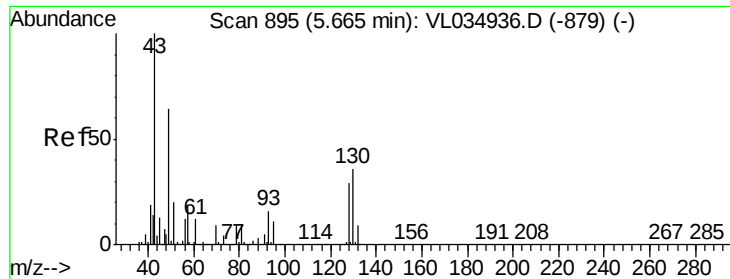
Manual Integrations
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Quant Time: May 06 12:51:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 12:36:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	205277	0.494	ppbv	97
45) t-1,3-Dichloropropene	9.30	75	36482	0.300	ppbv	92
46) cis-1,3-Dichloropropene	8.72	75	45600	0.316	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	49387m	0.494	ppbv	
48) Dibromochloromethane	10.33	129	70072	0.433	ppbv	100
49) Bromoform	13.08	173	58209	0.403	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	115010	0.436	ppbv	93
51) 2-Hexanone	10.17	43	82890m	0.387	ppbv	
52) Tetrachloroethene	11.26	164	39122m	0.402	ppbv	
53) Toluene	9.82	91	101089m	0.356	ppbv	
54) 1,2-Dibromoethane	10.64	107	70389	0.468	ppbv	84
56) 1,1,1,2-Tetrachloroethane	12.16	131	63153m	0.556	ppbv	
57) Chlorobenzene	12.18	112	115429m	0.583	ppbv	
58) Ethyl Benzene	12.75	91	140289	0.410	ppbv	93
59) m/p-Xylene	13.02	91	275352m	0.959	ppbv	
60) o-Xylene	13.73	91	131299	0.469	ppbv	100
61) Styrene	13.57	104	67235m	0.342	ppbv	
62) Isopropylbenzene	14.71	105	208698	0.493	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.72	83	118929m	0.625	ppbv	
64) n-propylbenzene	15.60	120	50993m	0.462	ppbv	
65) tert-Butylbenzene	16.79	119	176390m	0.476	ppbv	
66) Benzyl Chloride	17.04	91	49751m	0.322	ppbv	
67) sec-Butylbenzene	17.34	105	239821	0.467	ppbv	97
69) p-Isopropyltoluene	17.70	119	196444m	0.456	ppbv	
70) n-Butylbenzene	18.60	91	209929m	0.478	ppbv	
71) 2-Chlorotoluene	15.50	91	149150	0.465	ppbv	94
72) 4-Ethyltoluene	15.88	105	136539	0.413	ppbv #	97
73) 1,3,5-Trimethylbenzene	16.04	105	140701	0.454	ppbv #	86
74) 1,2,4-Trimethylbenzene	16.81	105	167626	0.525	ppbv	94
75) 1,3-Dichlorobenzene	17.05	146	109388m	0.568	ppbv	
76) 1,4-Dichlorobenzene	17.18	146	93907	0.489	ppbv	97
77) 1,2-Dichlorobenzene	17.87	146	96400m	0.517	ppbv	
78) Hexachloro-1,3-Butadiene	23.43	225	89149m	0.572	ppbv	
79) Naphthalene	22.28	128	93559m	0.376	ppbv	
80) Naphthalene, 2-methyl-	25.03	142	10692	0.164	ppbv	95
81) 1,2,4-Trichlorobenzene	22.00	180	70997m	0.449	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL034939.D

Acq: 6 May 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 49 Resp: 1194344

Ion Ratio Lower Upper

49 100

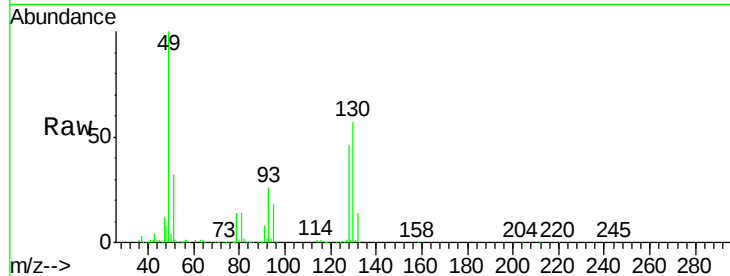
128 45.4 22.1 66.5

130 57.6 29.1 87.3

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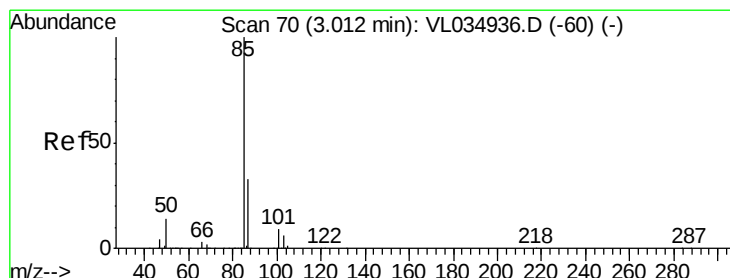
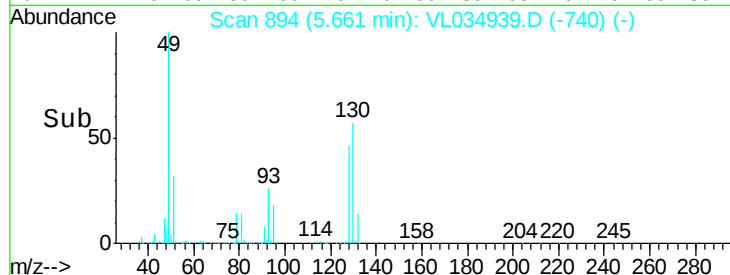
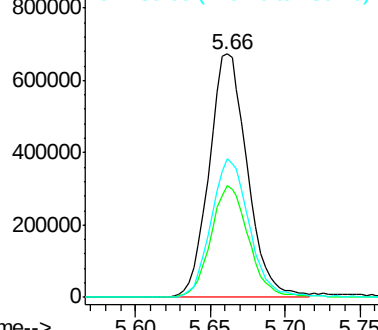
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.778 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL034939.D

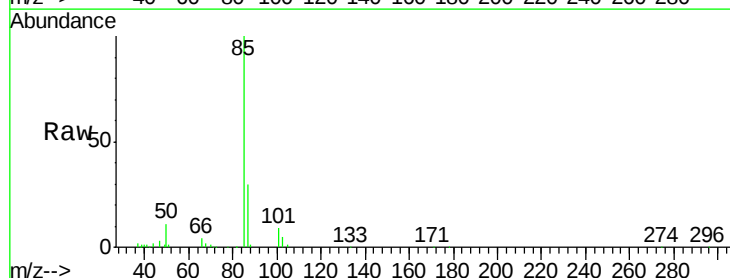
Acq: 6 May 2020 12:04

Tgt Ion: 85 Resp: 127299

Ion Ratio Lower Upper

85 100

87 30.0 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

120000

100000

80000

60000

40000

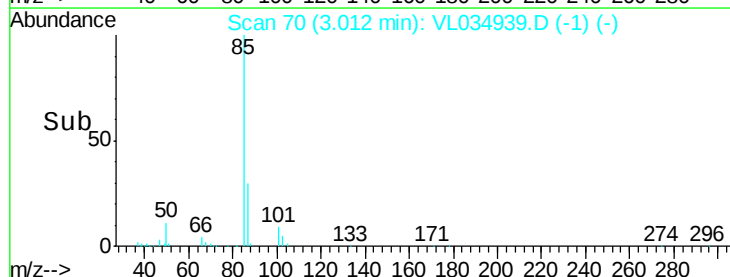
20000

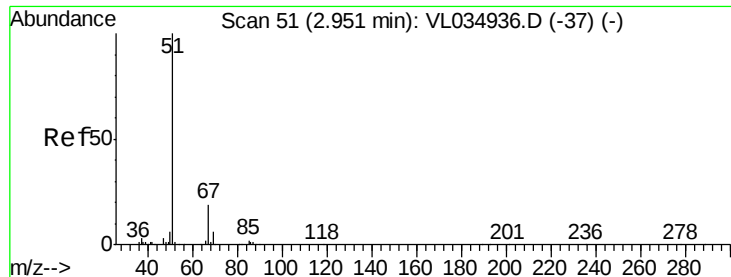
0

3.00

3.05

Time-->





#3

Chlorodifluoromethane

Concen: 0.572 ppbv

RT: 2.95 min Scan# 51

Delta R.T. -0.00 min

Lab File: VL034939.D

Acq: 6 May 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 51 Resp: 76332

Ion Ratio Lower Upper

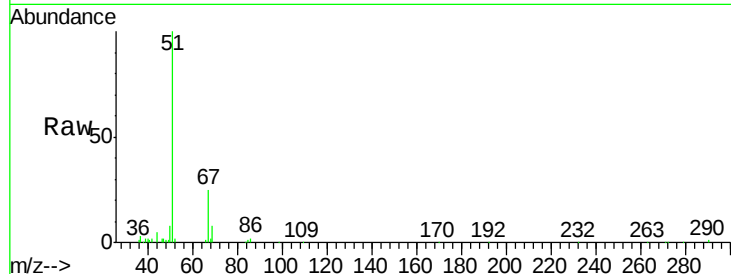
51 100

67 20.7 15.0 22.6

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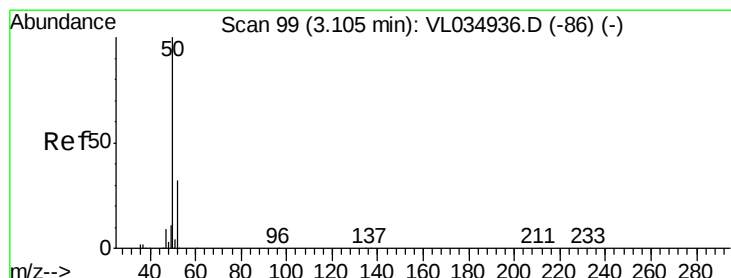
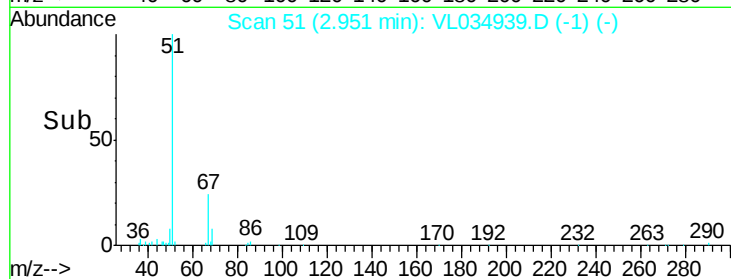
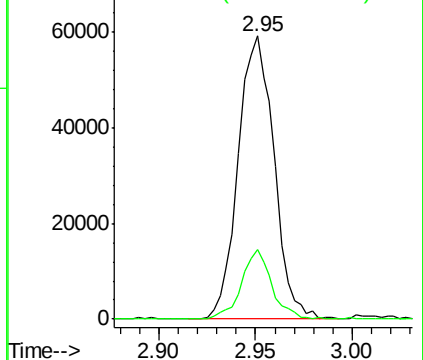
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.569 ppbv

RT: 3.11 min Scan# 99

Delta R.T. -0.00 min

Lab File: VL034939.D

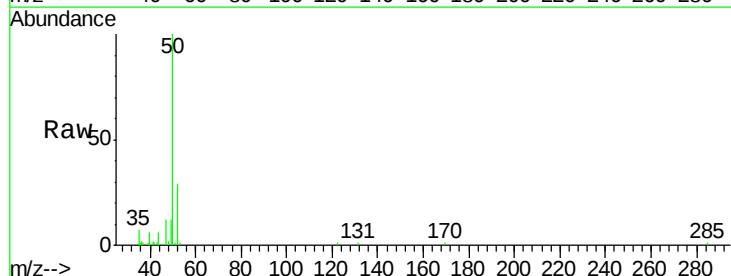
Acq: 6 May 2020 12:04

Tgt Ion: 50 Resp: 42884

Ion Ratio Lower Upper

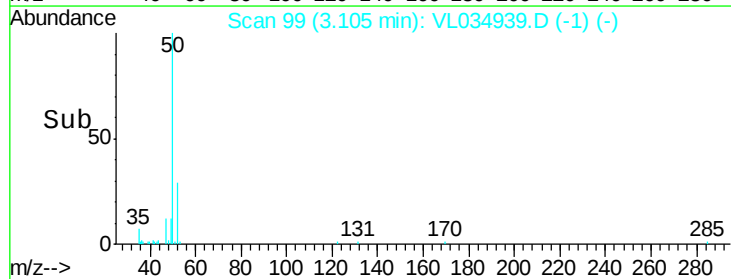
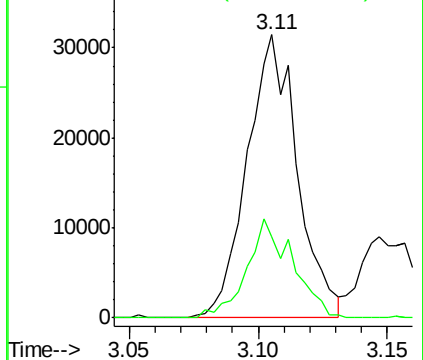
50 100

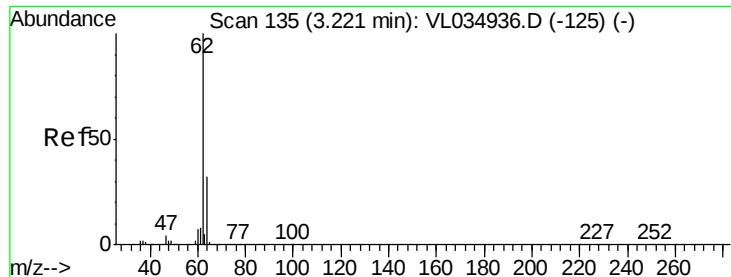
52 28.9 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.528 ppbv

RT: 3.22 min Scan# 135

Delta R.T. -0.00 min

Lab File: VL034939.D

Acq: 6 May 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 38241

Ion Ratio Lower Upper

62 100

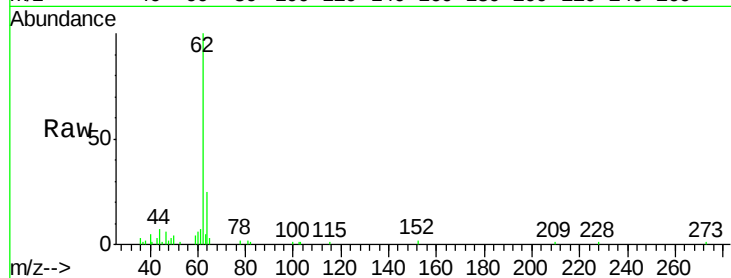
64 25.0 25.7 38.5#

Manual Integrations

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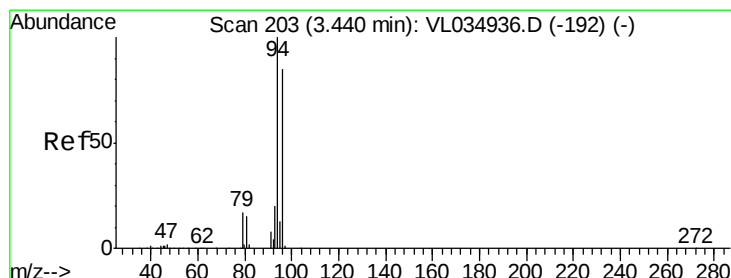
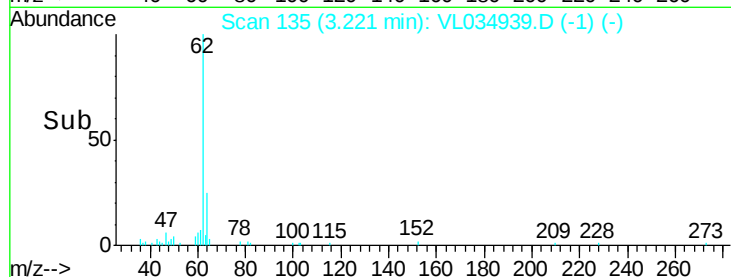
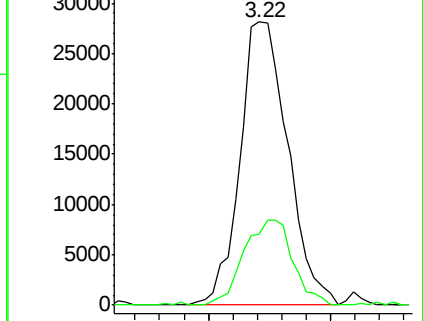
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.588 ppbv

RT: 3.45 min Scan# 205

Delta R.T. 0.01 min

Lab File: VL034939.D

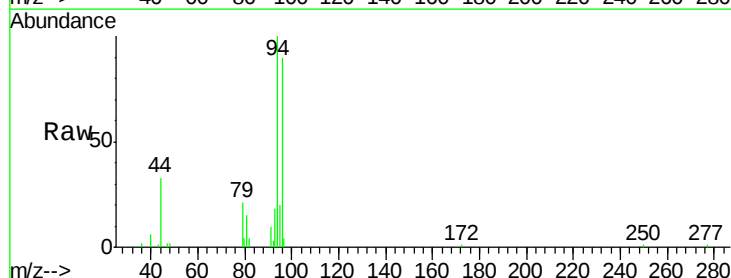
Acq: 6 May 2020 12:04

Tgt Ion: 94 Resp: 24832

Ion Ratio Lower Upper

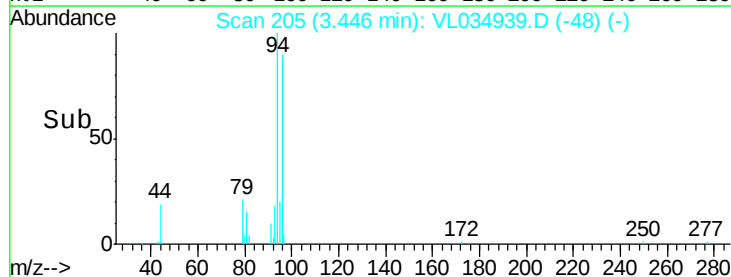
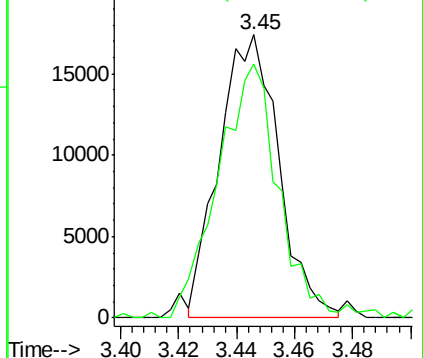
94 100

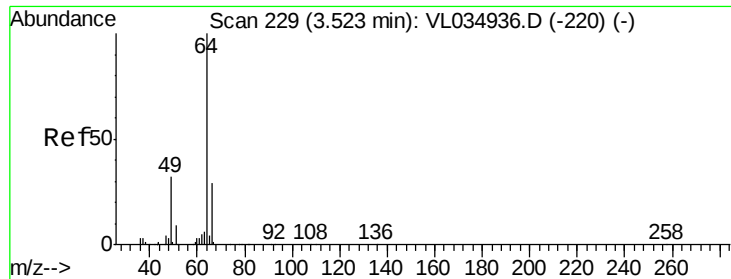
96 89.5 67.9 101.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.549 ppbv

RT: 3.53 min Scan# 231

Delta R.T. 0.01 min

Lab File: VL034939.D

Acq: 6 May 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 14369

Ion Ratio Lower Upper

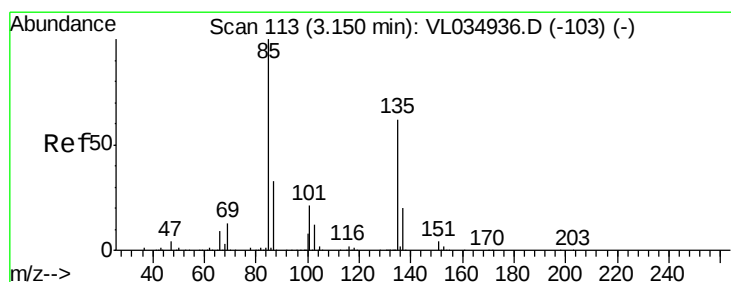
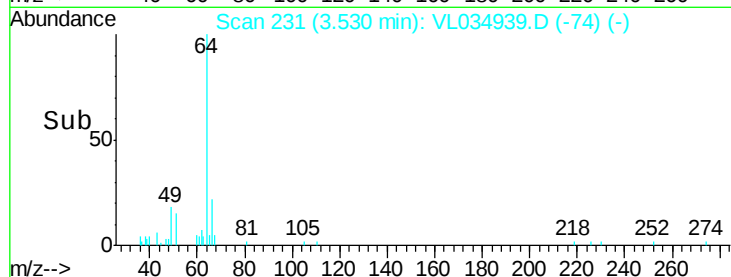
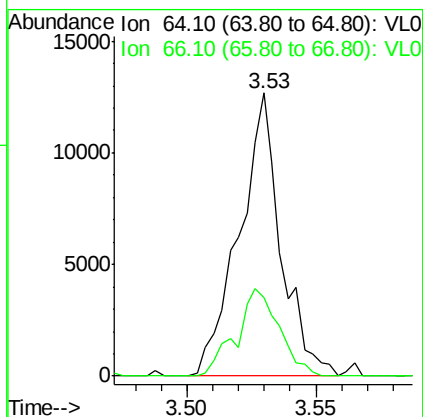
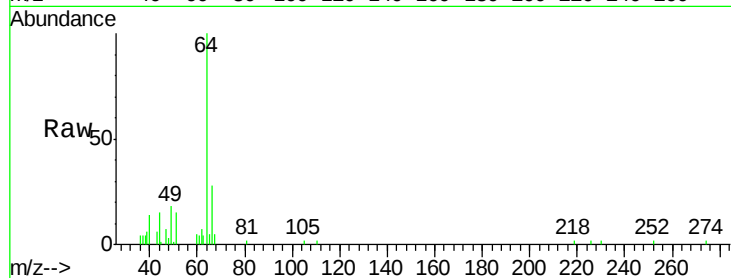
64 100

66 27.9 23.2 34.8

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#8

Dichlorotetrafluoroethane

Concen: 0.597 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.00 min

Lab File: VL034939.D

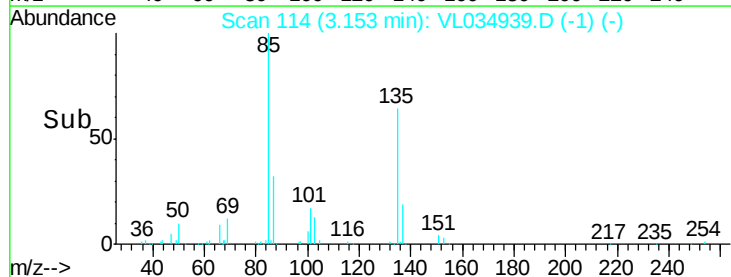
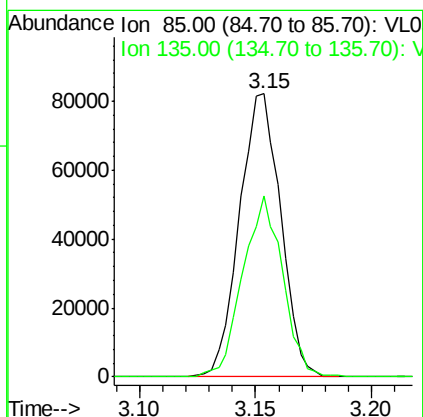
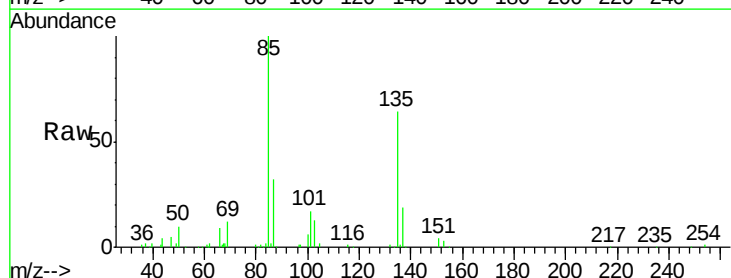
Acq: 6 May 2020 12:04

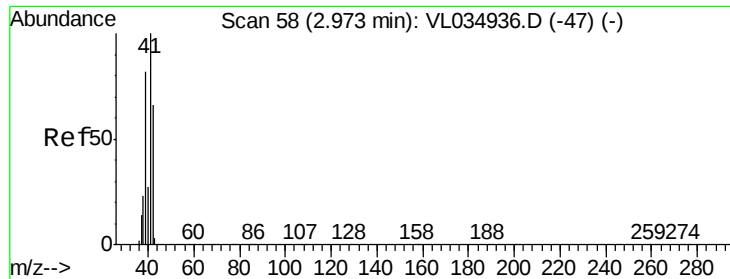
Tgt Ion: 85 Resp: 101341

Ion Ratio Lower Upper

85 100

135 62.0 50.9 76.3





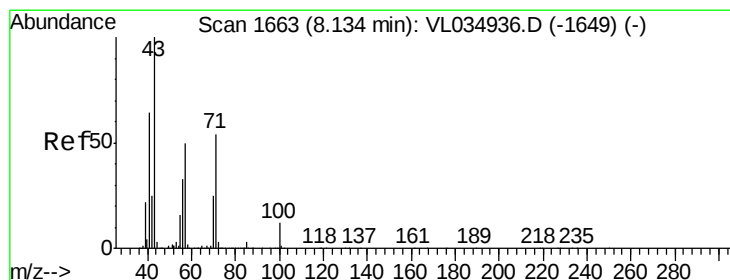
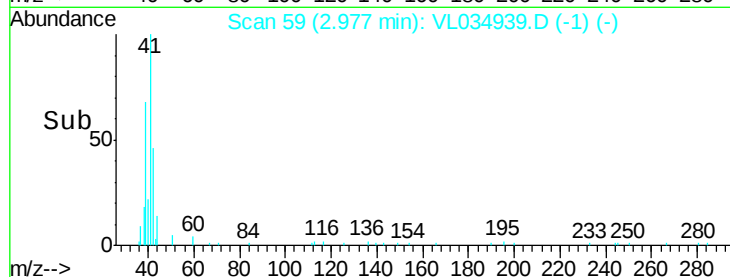
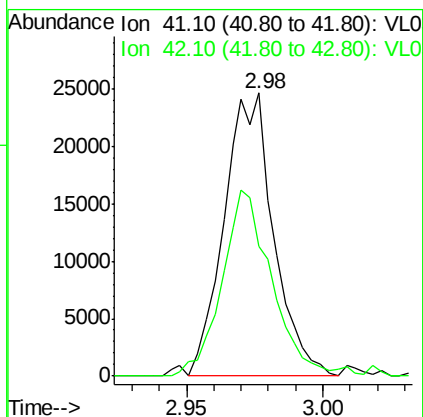
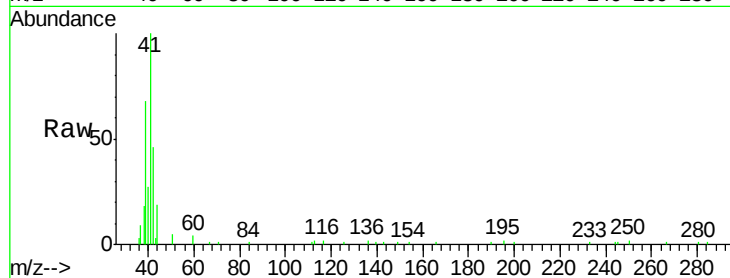
#9
 Propene
 Concen: 0.488 ppbv
 RT: 2.98 min Scan# 59
 Delta R.T. 0.00 min
 Lab File: VL034939.D
 Acq: 6 May 2020 12:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 41 Resp: 31100
 Ion Ratio Lower Upper
 41 100
 42 67.1 54.5 81.7

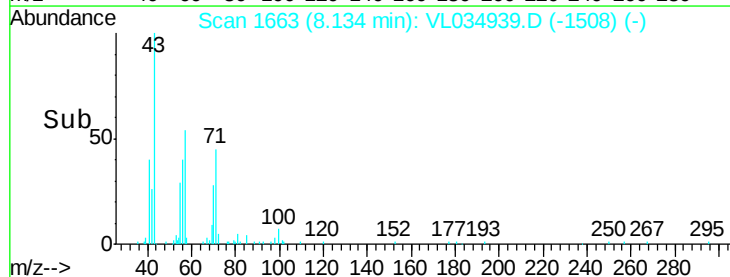
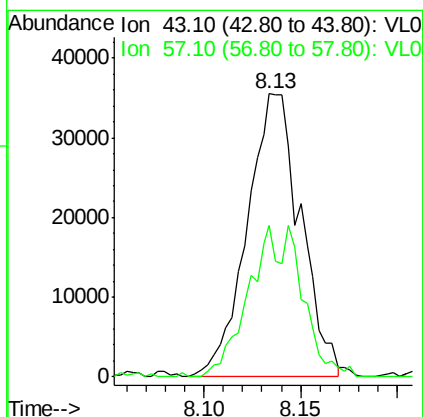
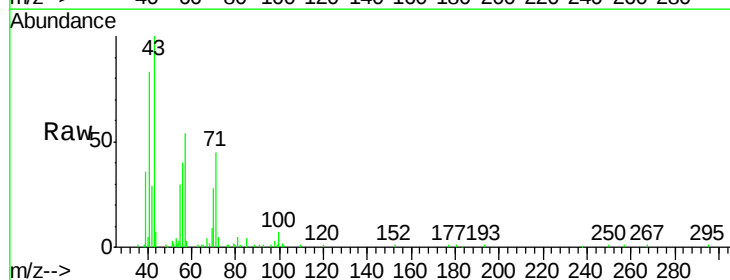
Manual Integrations
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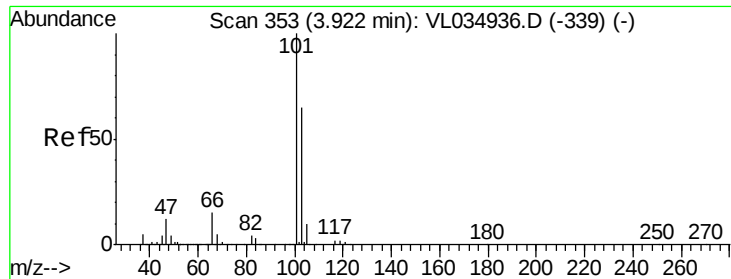
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#10
 Heptane
 Concen: 0.437 ppbv
 RT: 8.13 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VL034939.D
 Acq: 6 May 2020 12:04

Tgt Ion: 43 Resp: 68581
 Ion Ratio Lower Upper
 43 100
 57 52.7 41.1 61.7





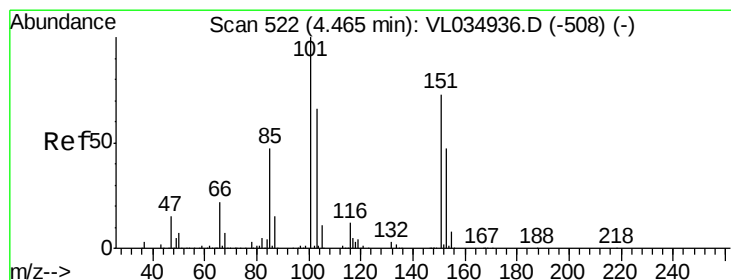
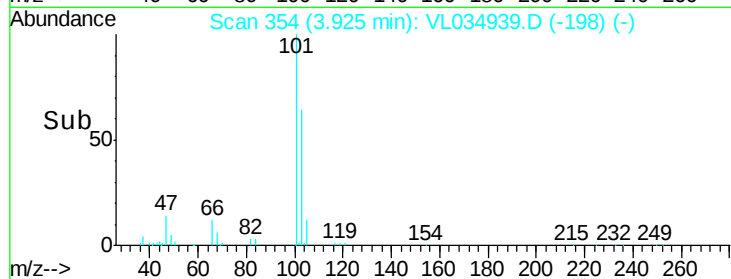
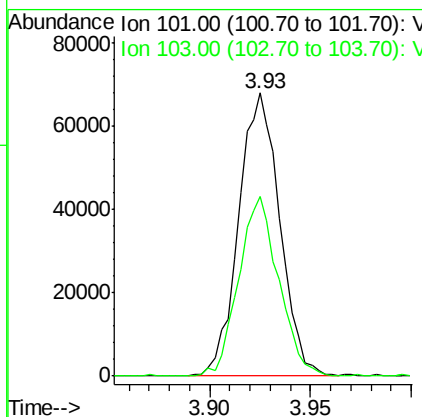
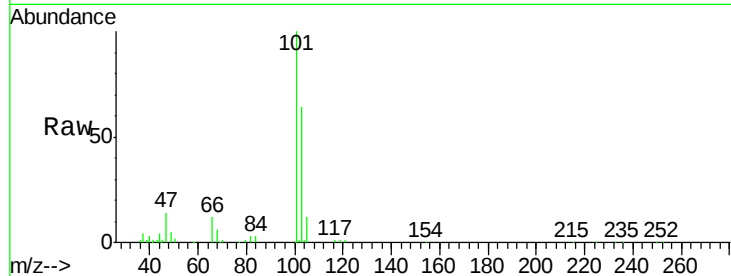
#11
 Trichlorofluoromethane
 Concen: 0.557 ppbv
 RT: 3.93 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VL034939.D
 Acq: 6 May 2020 12:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.9	77.9

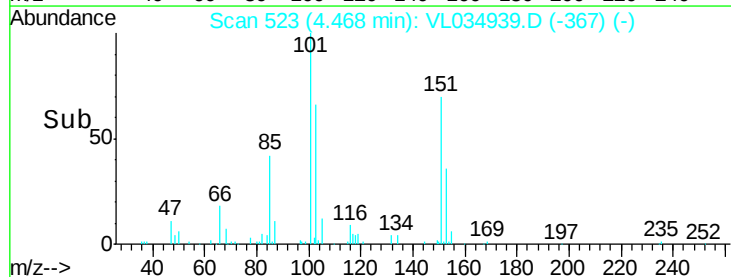
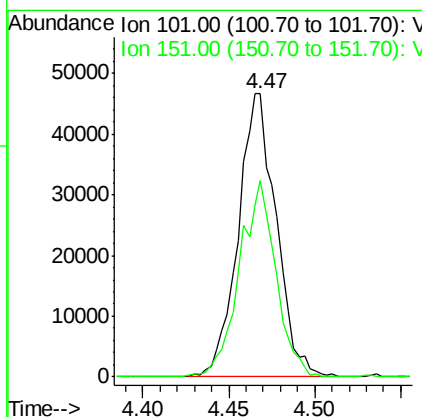
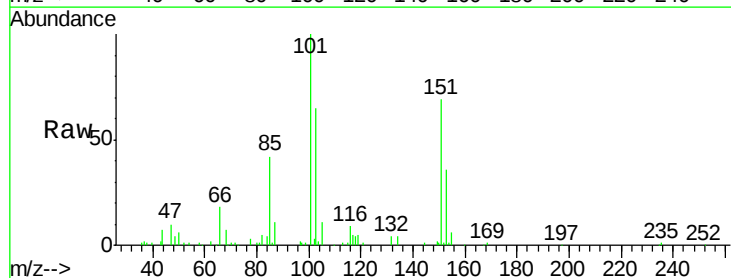
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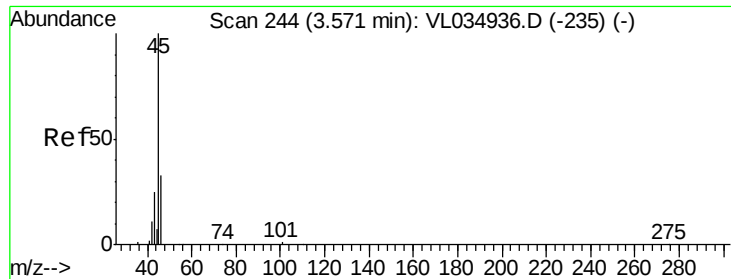
MMDadoda
 5/7/2020 2:29:38 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.587 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: VL034939.D
 Acq: 6 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
101	100		
151	66.4	57.6	86.4





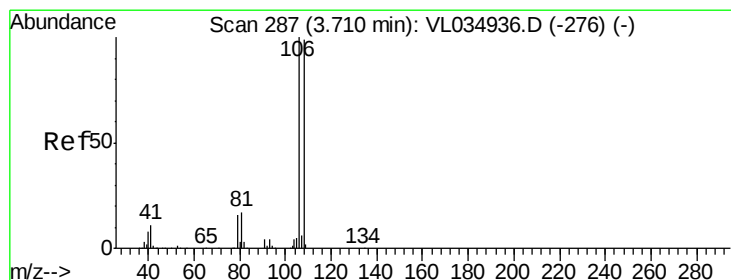
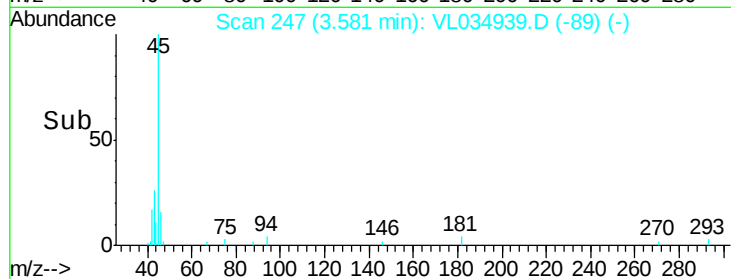
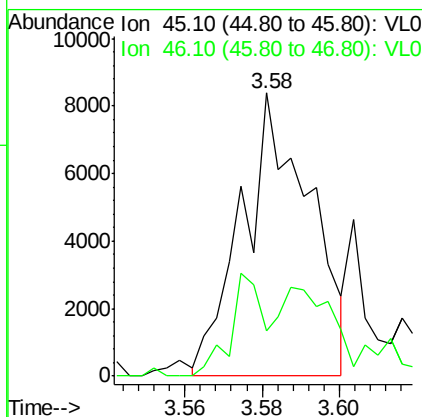
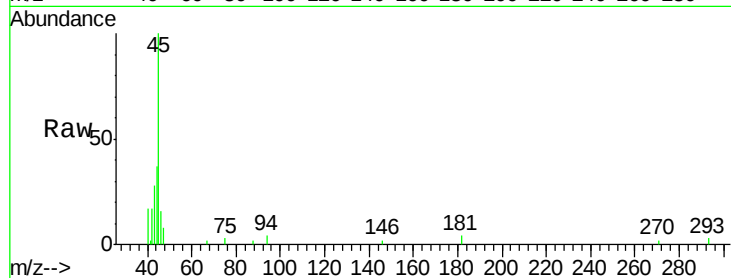
#13
Ethanol
Concen: 0.530 ppbv m
RT: 3.58 min Scan# 247
Delta R.T. 0.01 min
Lab File: VL034939.D
Acq: 6 May 2020 12:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	45	Resp	10266
Ion Ratio	100	Lower	Upper
46	49.9	14.3	57.3

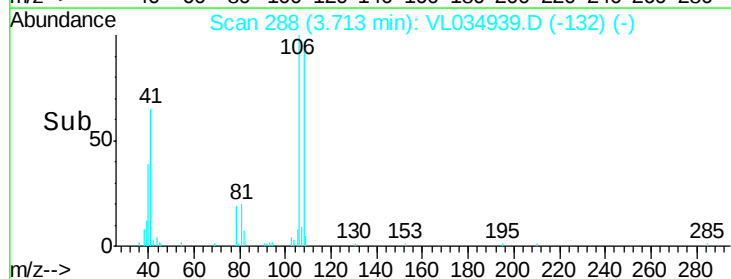
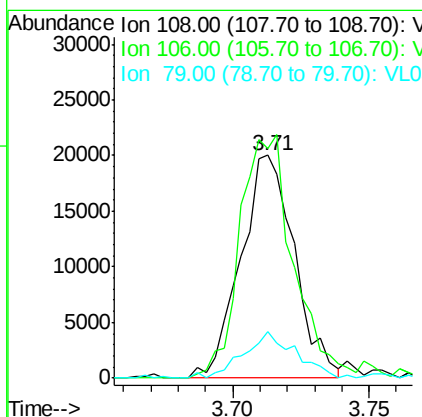
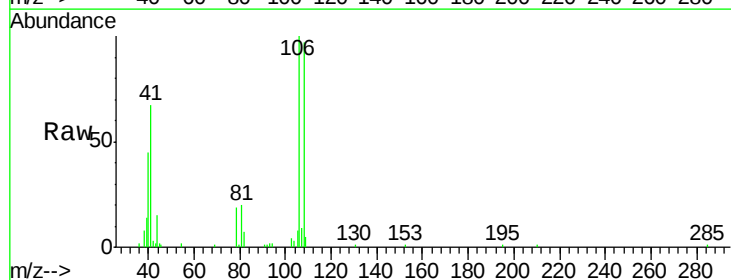
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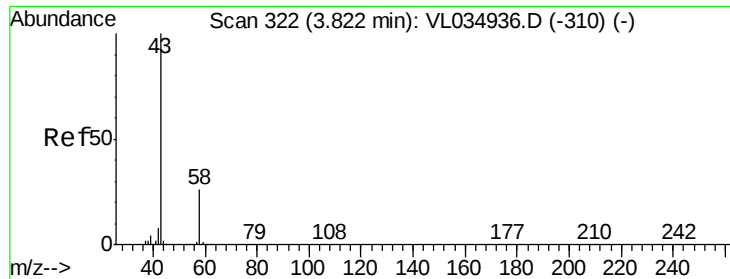
MMDadoda
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#14
Bromoethene
Concen: 0.520 ppbv
RT: 3.71 min Scan# 288
Delta R.T. 0.00 min
Lab File: VL034939.D
Acq: 6 May 2020 12:04

Tgt Ion	108	Resp	27328
Ion Ratio	100	Lower	Upper
106	112.0	84.9	127.3
79	21.3	14.1	21.1#





#15

Acetone

Concen: 0.627 ppbv

RT: 3.84 min Scan# 326

Delta R.T. 0.01 min

Lab File: VL034939.D

Acq: 6 May 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 97080

Ion Ratio Lower Upper

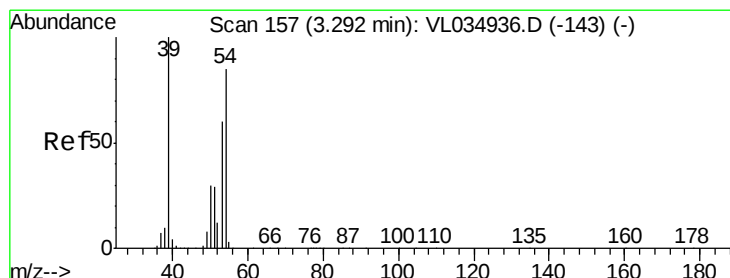
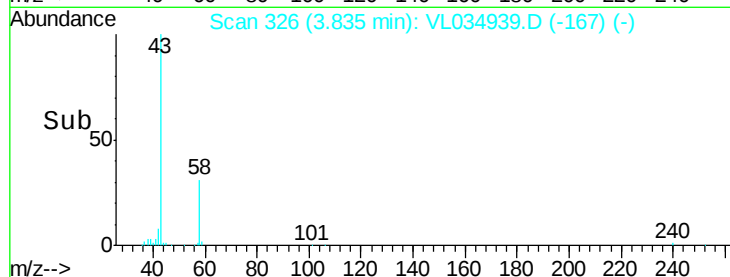
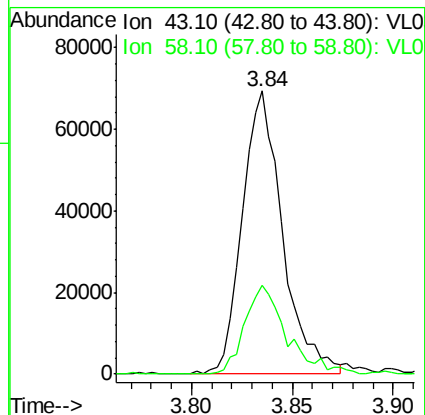
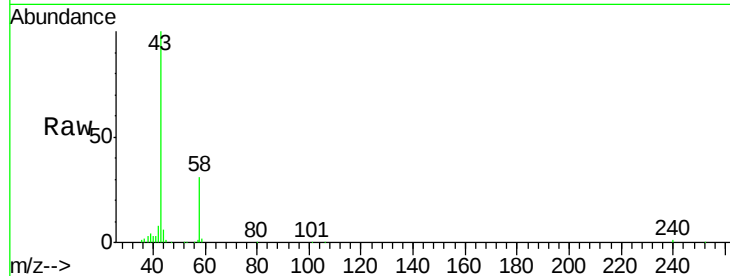
43 100

58 33.2 21.7 32.5#

Manual Integrations
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5/7/2020 2:29:38 PM



#16

1,3-Butadiene

Concen: 0.538 ppbv

RT: 3.29 min Scan# 158

Delta R.T. 0.00 min

Lab File: VL034939.D

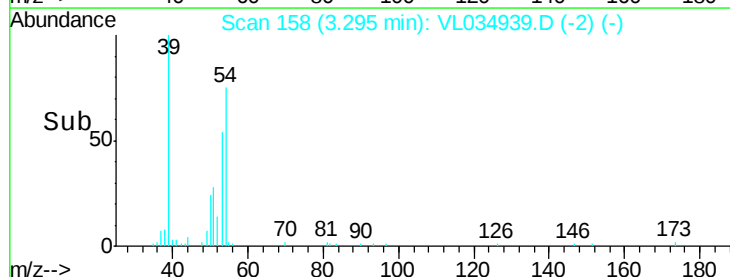
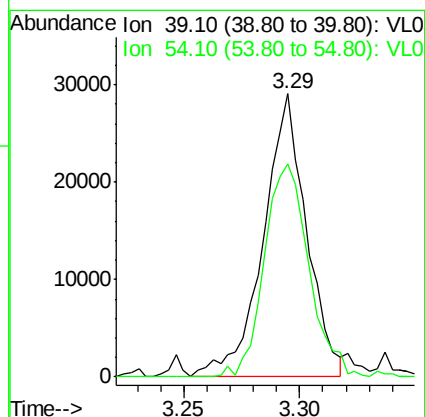
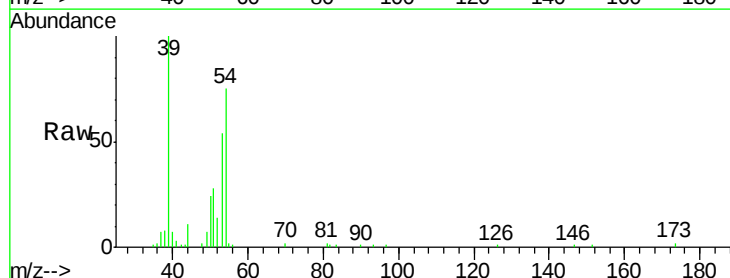
Acq: 6 May 2020 12:04

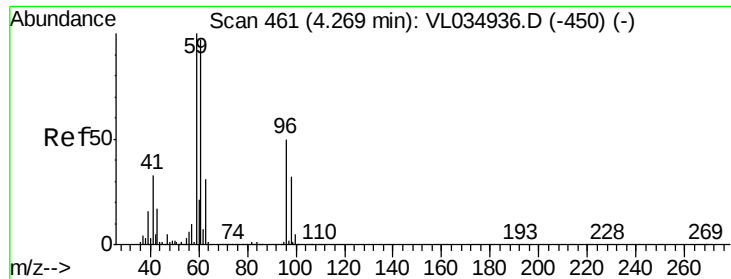
Tgt Ion: 39 Resp: 37665

Ion Ratio Lower Upper

39 100

54 77.5 66.6 100.0





#17

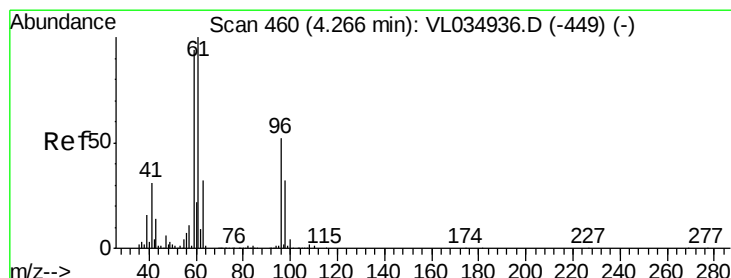
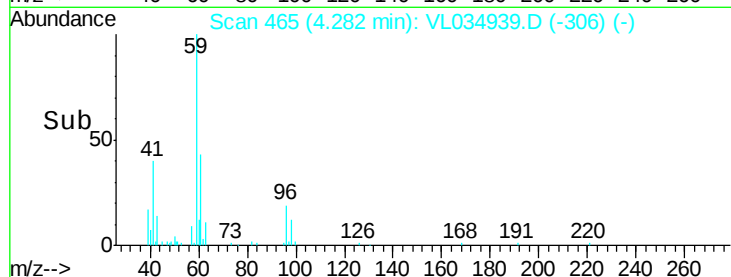
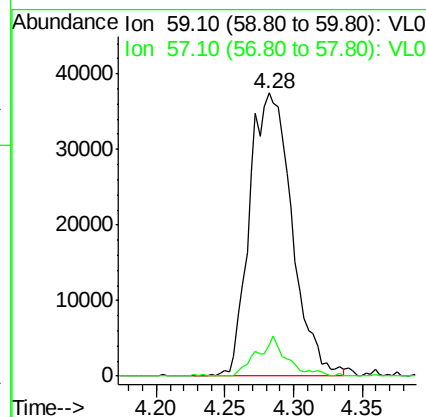
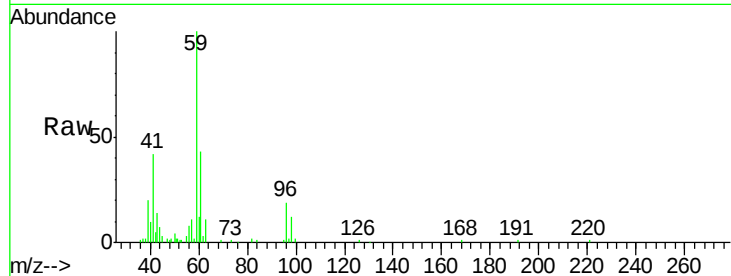
tert-Butyl alcohol
Concen: 0.541 ppbv m
RT: 4.28 min Scan# 465
Delta R.T. 0.01 min
Lab File: VL034939.D
Acq: 6 May 2020 12:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	59	Resp	80623
Ion Ratio	100	Lower	Upper
57	0.0	8.7	13.1#

Manual Integrations
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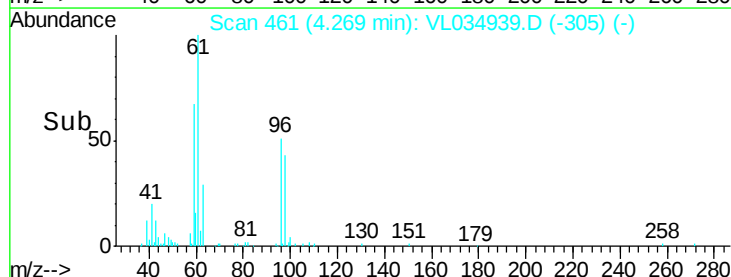
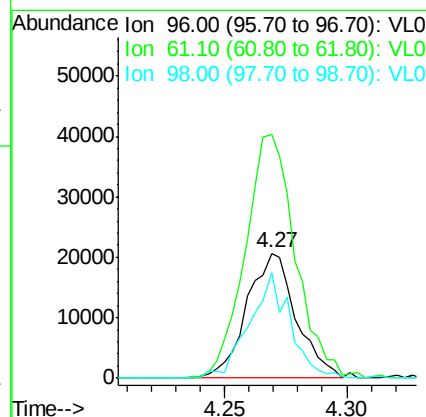
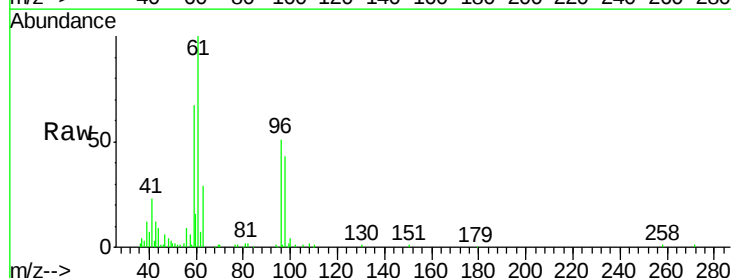
MMDadoda
5/7/2020 2:29:38 PM

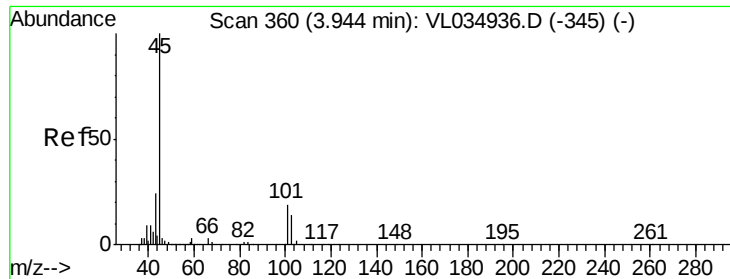


#18

1,1-Dichloroethene
Concen: 0.533 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL034939.D
Acq: 6 May 2020 12:04

Tgt Ion	96	Resp	28768
Ion Ratio	100	Lower	Upper
61	194.0	152.4	228.6
98	84.4	48.8	73.2#





#19

Isopropyl Alcohol

Concen: 0.625 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.00 min

Lab File: VL034939.D

Acq: 6 May 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 61063

Ion Ratio Lower Upper

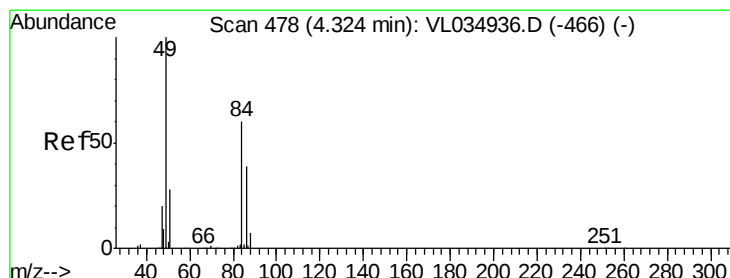
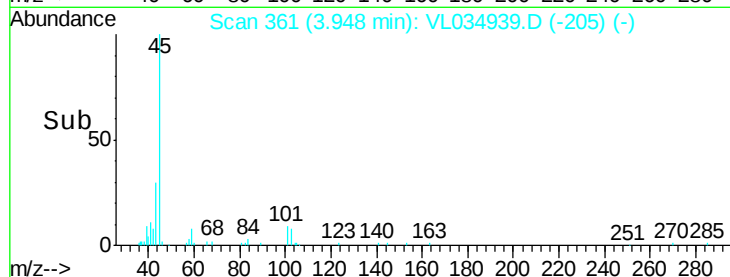
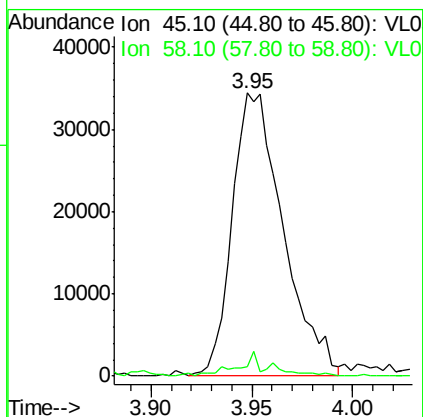
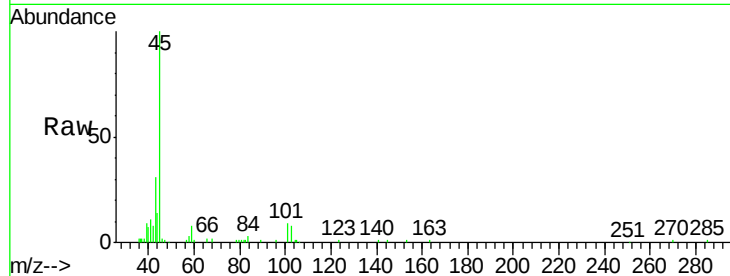
45 100

58 5.2 1.7 2.5#

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5/7/2020 2:29:38 PM



#20

Methylene Chloride

Concen: 0.643 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL034939.D

Acq: 6 May 2020 12:04

Tgt Ion: 84 Resp: 31477

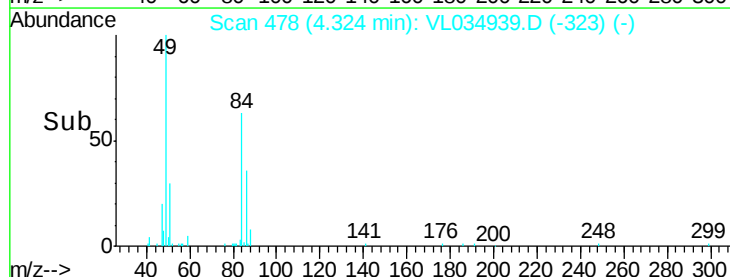
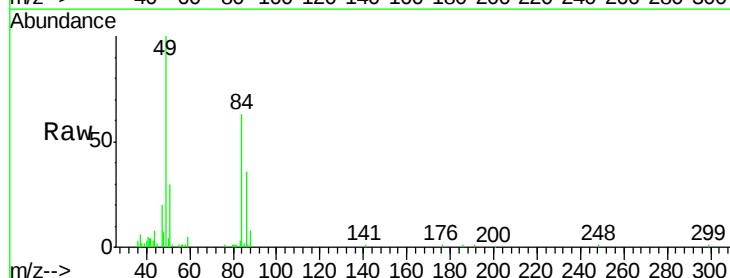
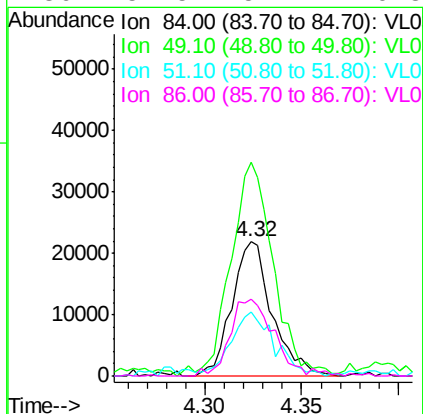
Ion Ratio Lower Upper

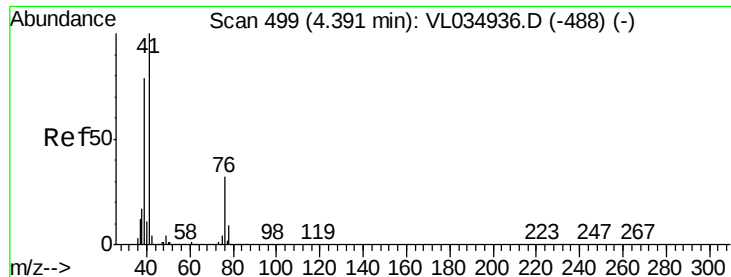
84 100

49 157.3 132.5 198.7

51 47.2 38.4 57.6

86 57.5 51.2 76.8





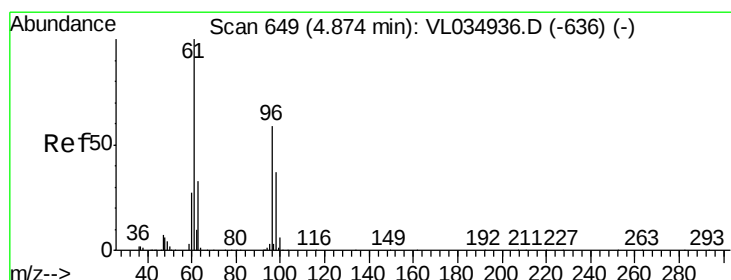
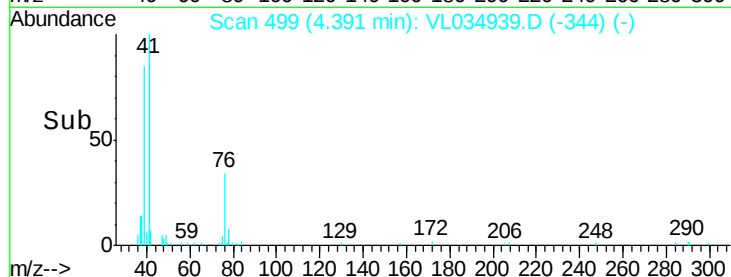
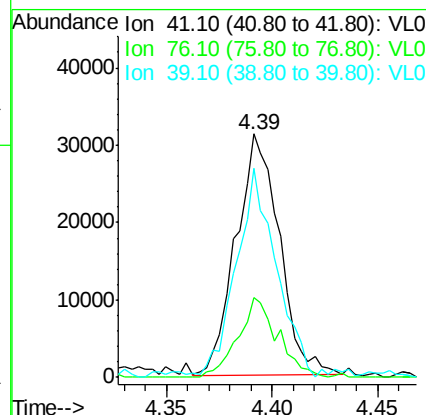
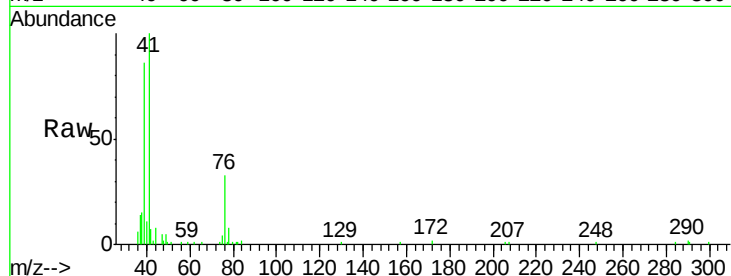
#21
Allvl Chloride
Concen: 0.449 ppbv
RT: 4.39 min Scan# 499
Delta R.T. -0.00 min
Lab File: VL034939.D
Acq: 6 May 2020 12:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion:	41	Resp:	44645
Ion Ratio	Lower	Upper	
41	100		
76	30.5	23.6	35.4
39	85.4	61.9	92.9

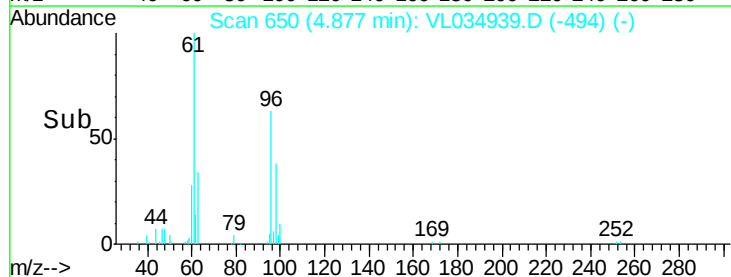
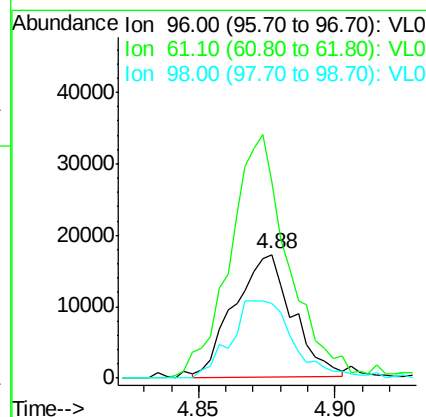
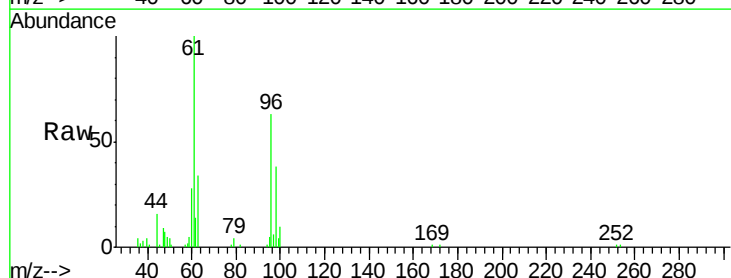
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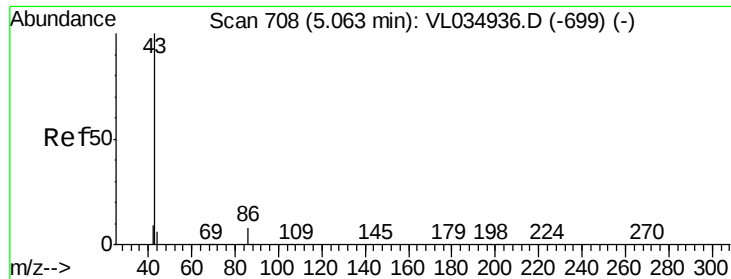
MMDadoda
5/7/2020 2:29:38 PM



#22
trans-1,2-Dichloroethene
Concen: 0.464 ppbv
RT: 4.88 min Scan# 650
Delta R.T. 0.00 min
Lab File: VL034939.D
Acq: 6 May 2020 12:04

Tgt Ion:	96	Resp:	25395
Ion Ratio	Lower	Upper	
96	100		
61	169.0	135.3	202.9
98	62.6	50.4	75.6





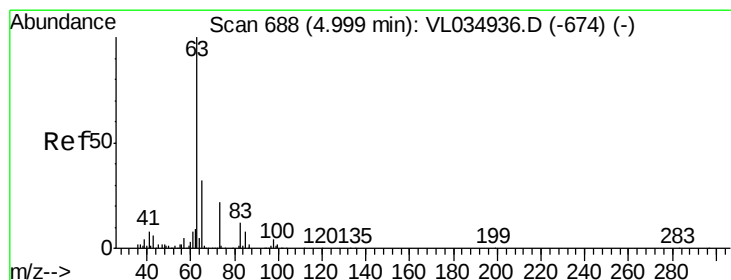
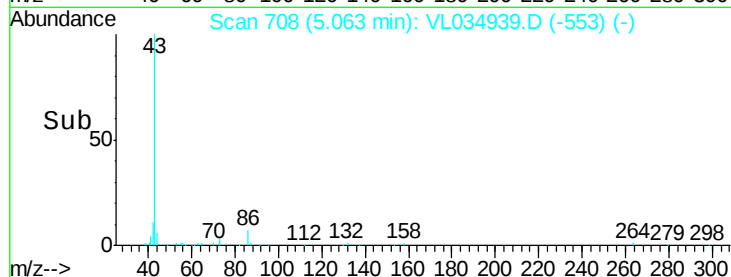
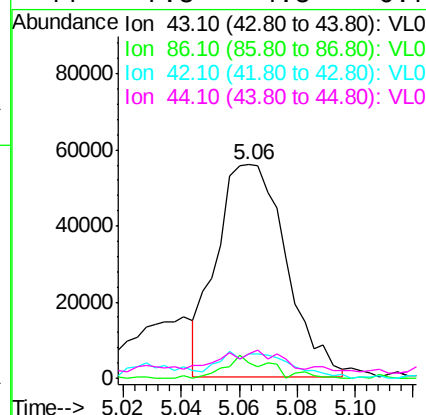
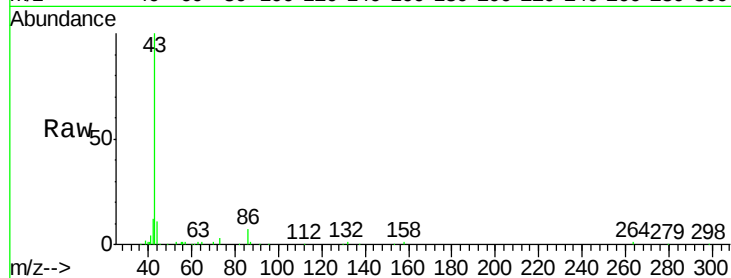
#23
 Vinyl Acetate
 Concen: 0.405 ppbv
 RT: 5.06 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VL034939.D
 Acq: 6 May 2020 12:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		92646		
86	7.3		5.5	8.3	
42	9.9		8.0	12.0	
44	7.8		4.5	6.7#	

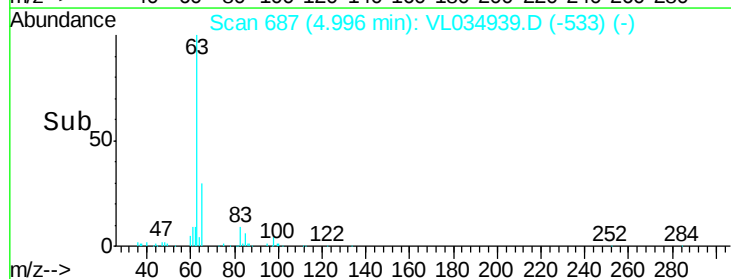
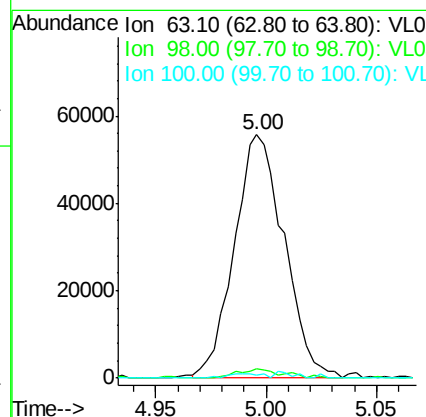
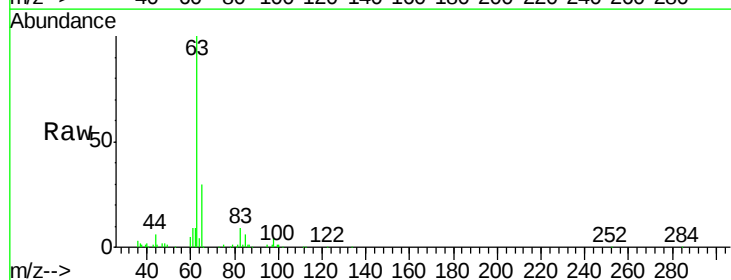
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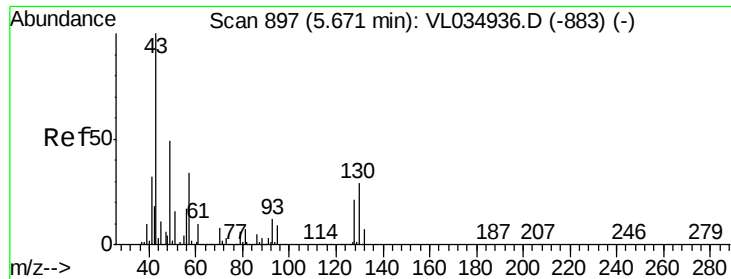
MMDadoda
 5/7/2020 2:29:38 PM



#24
 1,1-Dichloroethane
 Concen: 0.565 ppbv
 RT: 5.00 min Scan# 687
 Delta R.T. -0.00 min
 Lab File: VL034939.D
 Acq: 6 May 2020 12:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		86542		
98	4.1		2.0	6.0	
100	1.2		1.1	3.5	





#25

Ethyl Acetate

Concen: 0.510 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

Lab File: VL034939.D

Acq: 6 May 2020 12:04

Instrument :

MSVOA_L

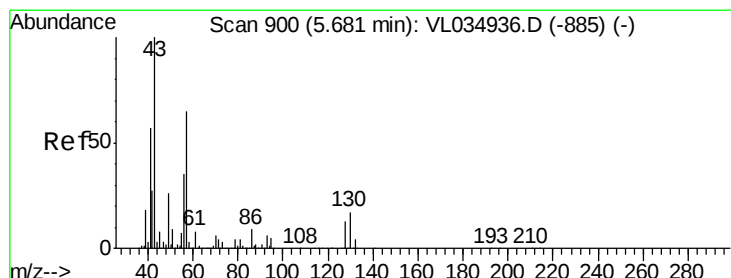
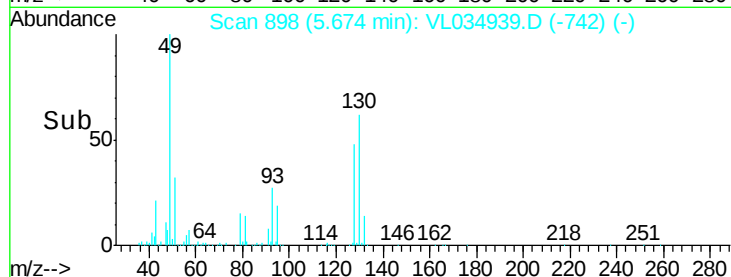
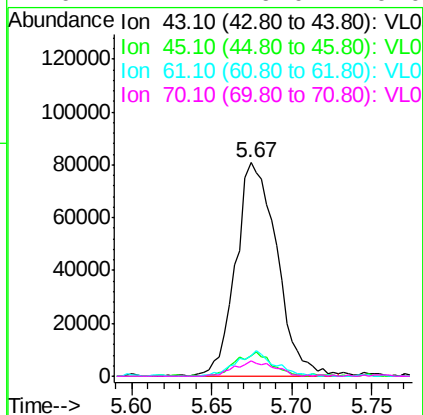
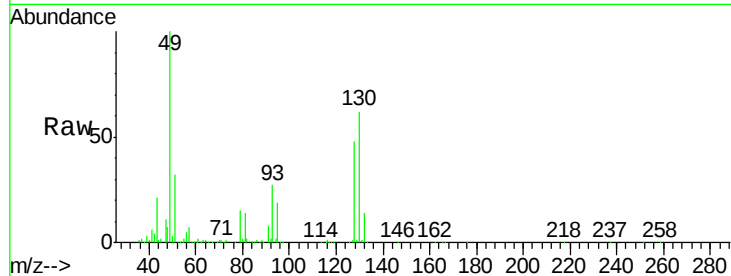
ClientSampleId :

VSTDIC0.5

Tot Ion	43	Resp	140731
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.1	12.1
61	10.9	7.8	11.8
70	7.4	6.0	9.0

Manual Integrations
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#26

Hexane

Concen: 0.481 ppbv

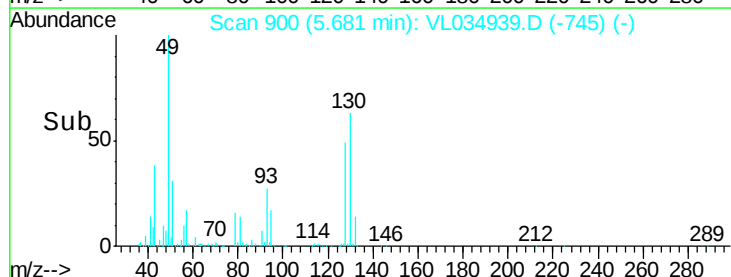
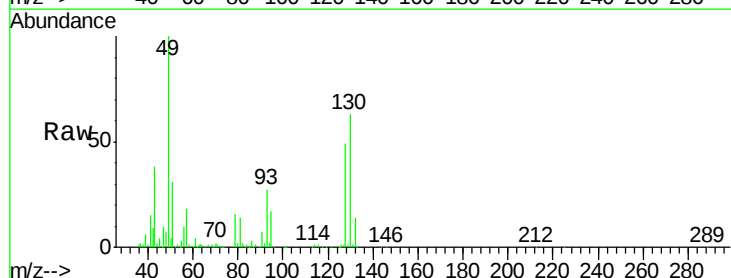
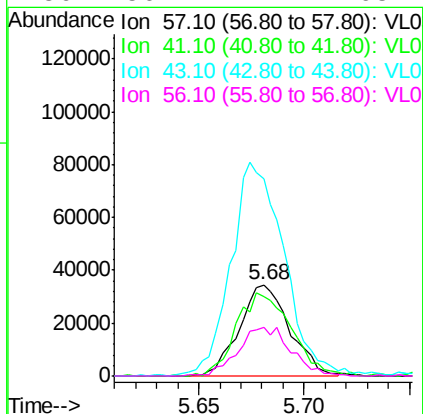
RT: 5.68 min Scan# 900

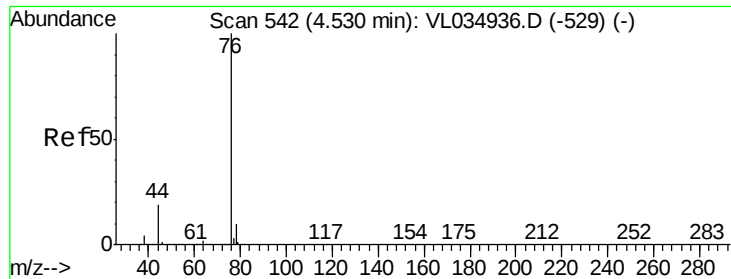
Delta R.T. -0.00 min

Lab File: VL034939.D

Acq: 6 May 2020 12:04

Tgt Ion	57	Resp	57156
Ion	Ratio	Lower	Upper
57	100		
41	99.8	72.7	109.1
43	251.9	182.1	273.1
56	56.1	42.2	63.2





#27

Carbon Disulfide

Concen: 0.493 ppbv m

RT: 4.54 min Scan# 544

Delta R.T. 0.01 min

Lab File: VL034939.D

Acq: 6 May 2020 12:04

Instrument :

MSVOA_L

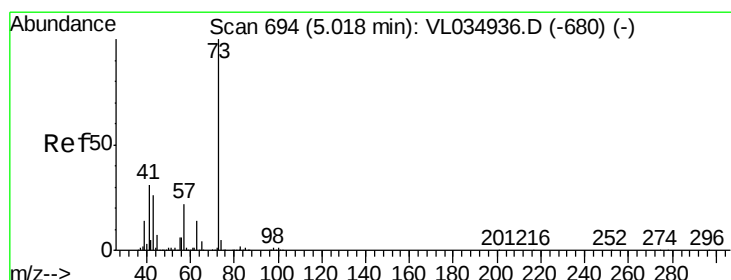
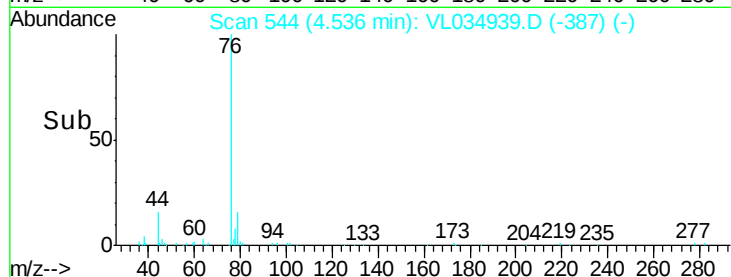
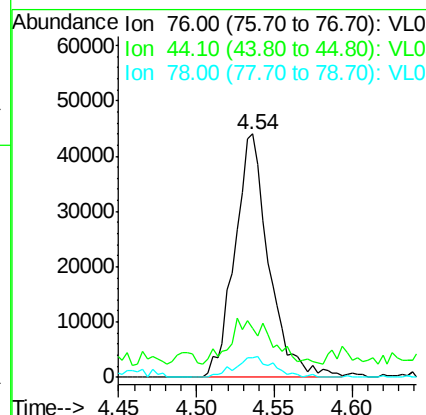
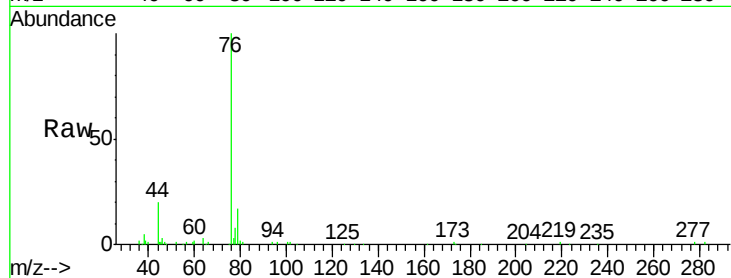
ClientSampleId :

VSTDIC0.5

Tot Ion:	76	Resp:	66503
Ion Ratio	Lower	Upper	
76	100		
44	29.7	15.2	22.8#
78	9.5	7.7	11.5

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#28

Methyl tert-Butyl Ether

Concen: 0.452 ppbv m

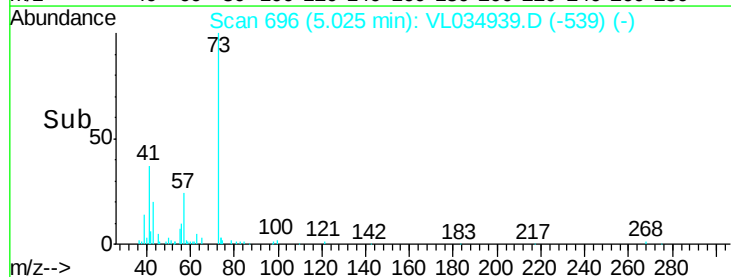
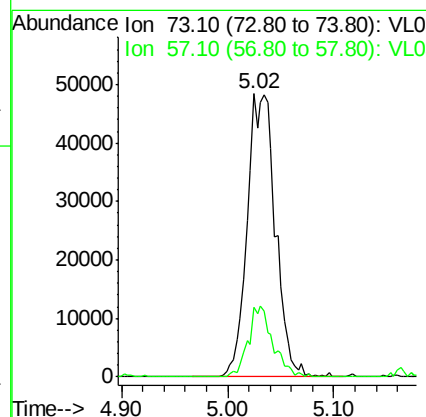
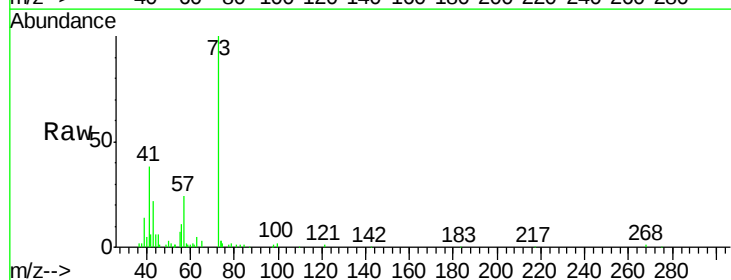
RT: 5.02 min Scan# 696

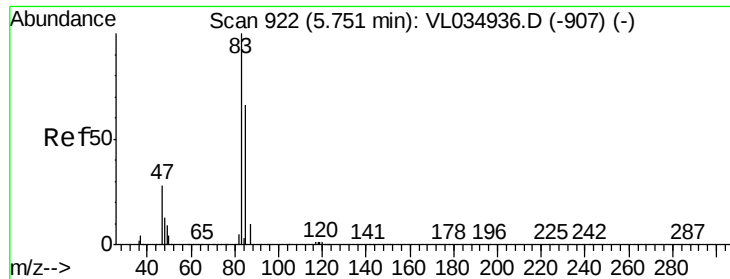
Delta R.T. 0.01 min

Lab File: VL034939.D

Acq: 6 May 2020 12:04

Tgt Ion:	73	Resp:	89308
Ion Ratio	Lower	Upper	
73	100		
57	0.0	18.3	27.5#





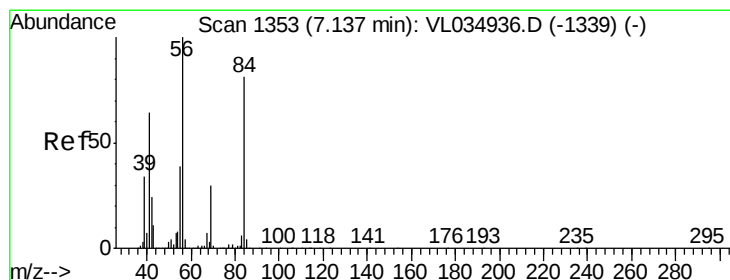
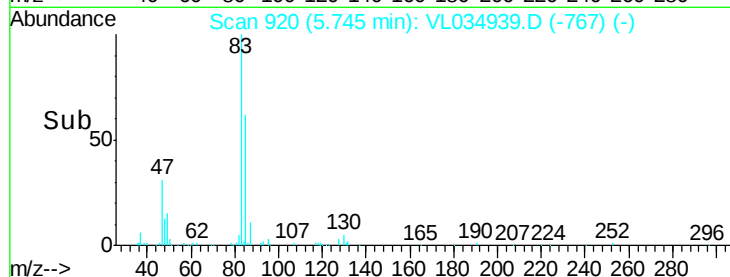
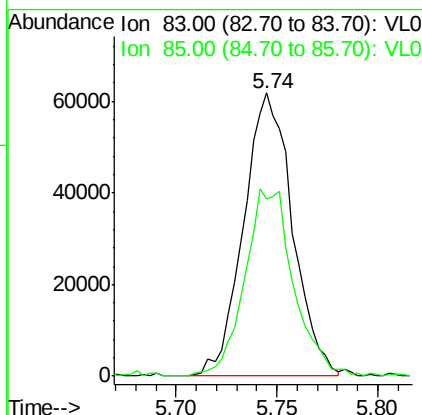
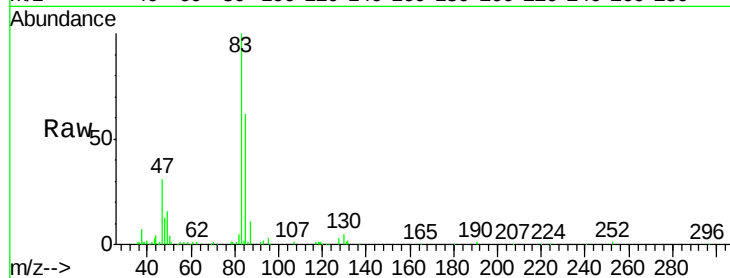
#29
Chloroform
Concen: 0.578 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.01 min
Lab File: VL034939.D
Acq: 6 May 2020 12:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	83	Resp	104814
Ion Ratio	Lower	Upper	
83	100		
85	62.4	53.0	79.6

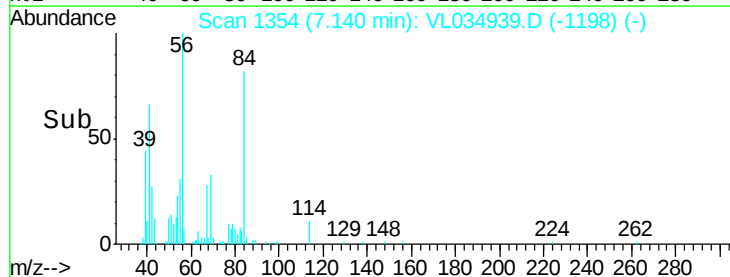
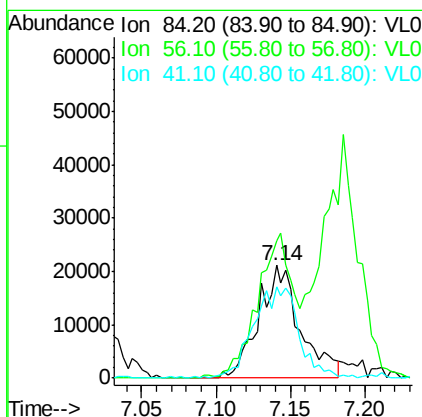
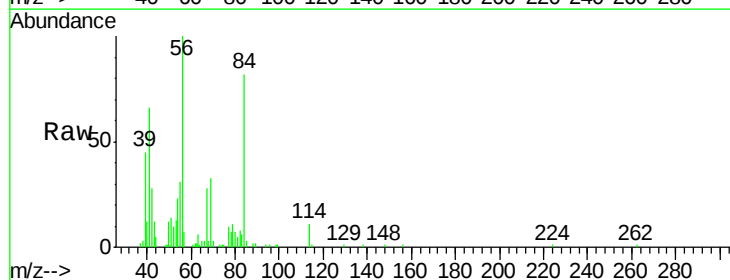
Manual Integrations
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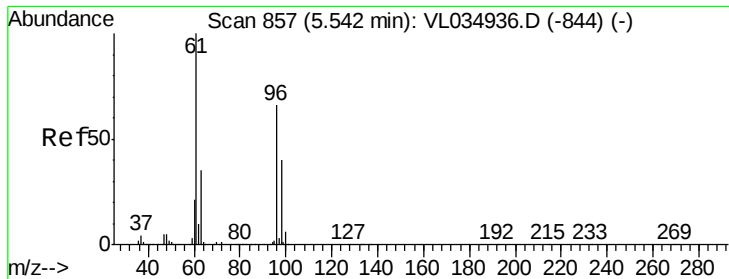
MMDadoda
5/7/2020 2:29:38 PM



#30
Cyclohexane
Concen: 0.417 ppbv m
RT: 7.14 min Scan# 1354
Delta R.T. 0.00 min
Lab File: VL034939.D
Acq: 6 May 2020 12:04

Tgt Ion	84	Resp	41287
Ion Ratio	Lower	Upper	
84	100		
56	0.0	111.4	167.2#
41	0.0	66.7	100.1#





#31

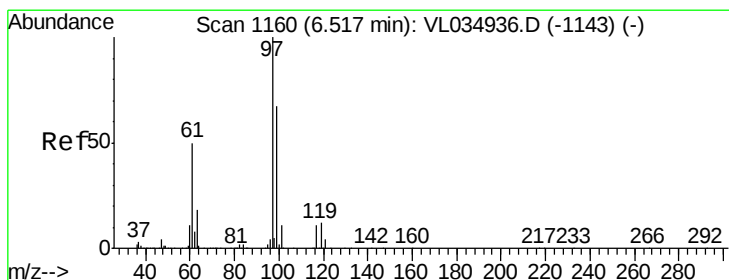
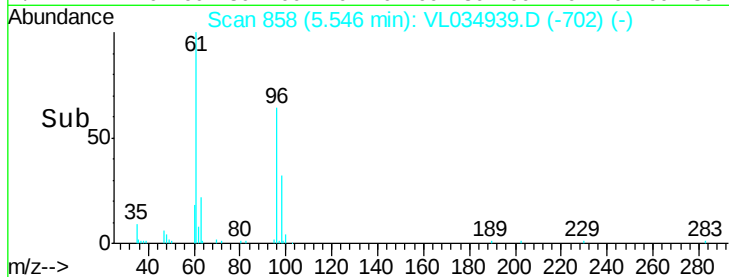
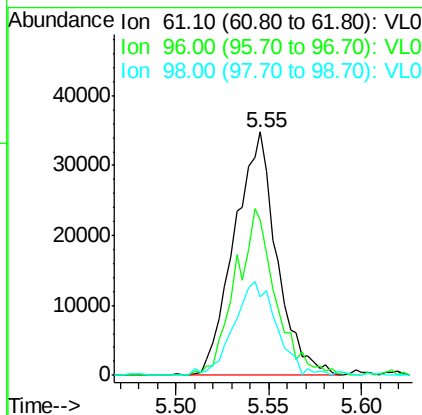
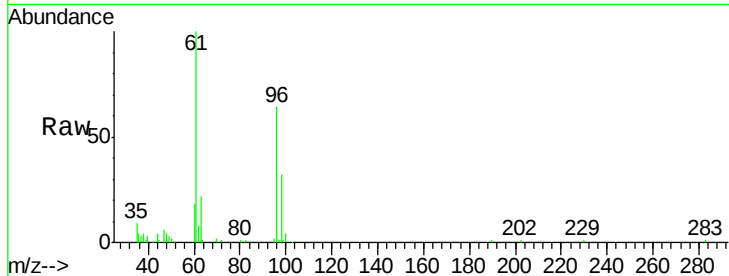
cis-1,2-Dichloroethene
 Concen: 0.454 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VL034939.D
 Acq: 6 May 2020 12:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
61	100		55196		
96	64.0	53.0	79.6		
98	32.2	32.2	48.2		

Manual Integrations
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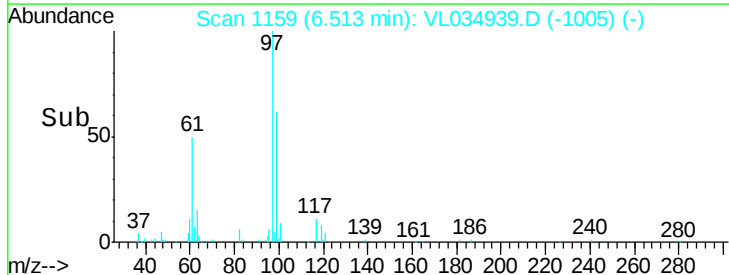
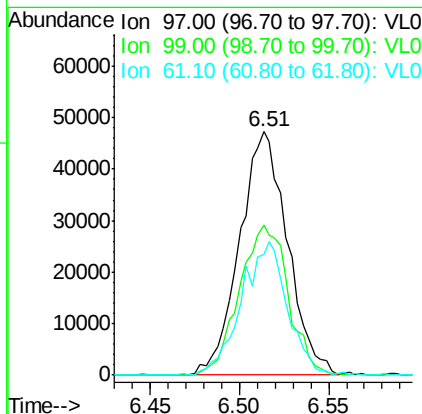
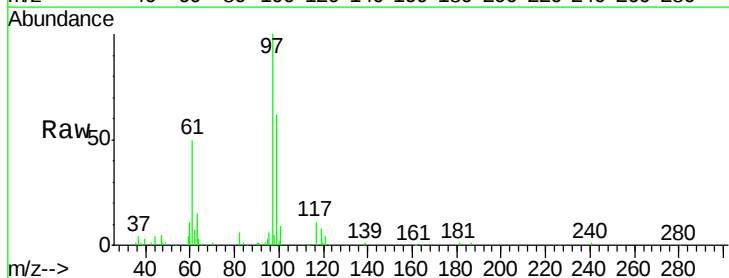
MMDadoda
 5/7/2020 2:29:38 PM

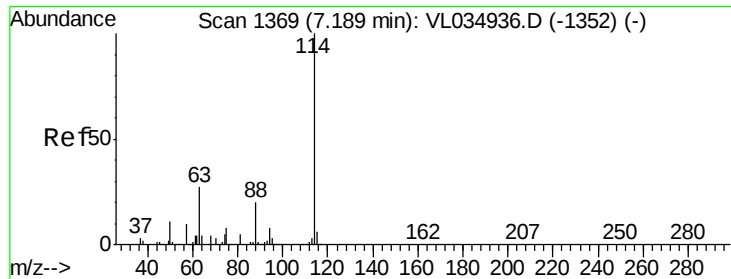


#32

1,1,1-Trichloroethane
 Concen: 0.502 ppbv
 RT: 6.51 min Scan# 1159
 Delta R.T. -0.00 min
 Lab File: VL034939.D
 Acq: 6 May 2020 12:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		88653		
99	62.8	52.1	78.1		
61	53.0	41.8	62.8		





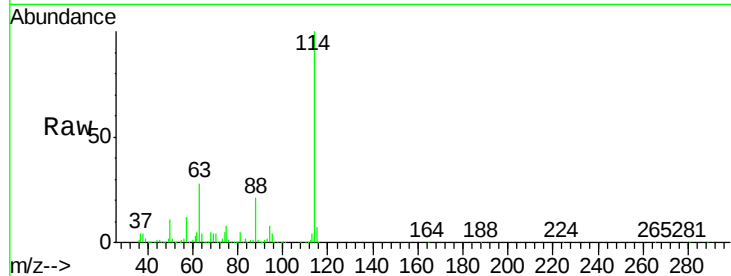
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: VL034939.D
 Acq: 6 May 2020 12:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

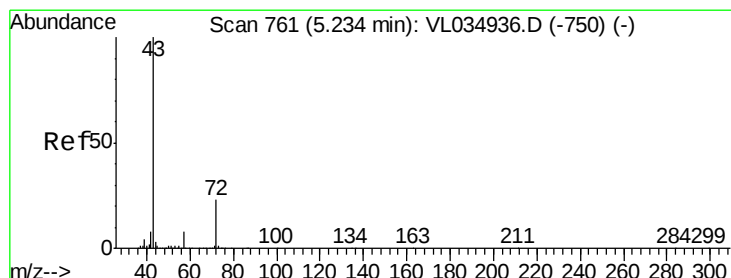
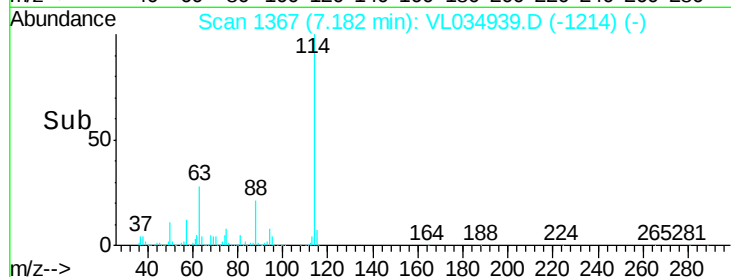
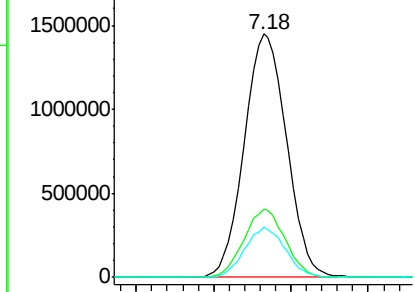
Tot Ion	Ratio	Lower	Upper
114	100		
63	27.4	22.2	33.4
88	19.8	15.5	23.3

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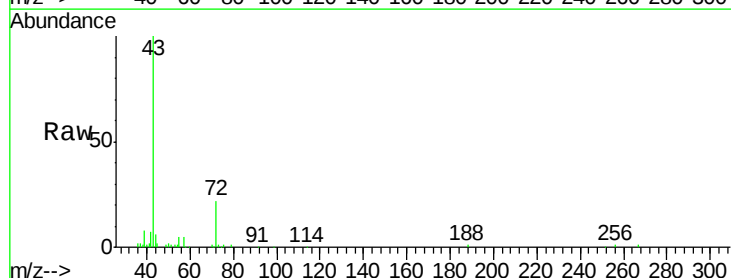


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

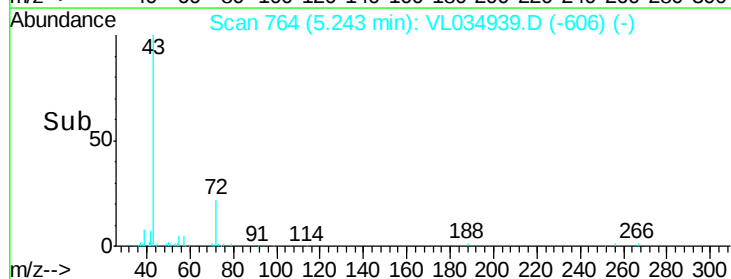
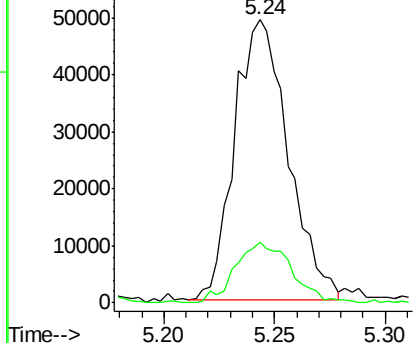


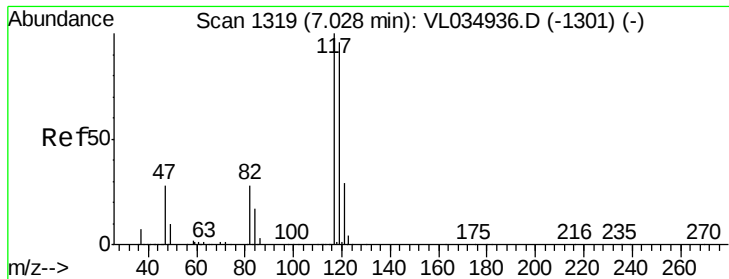
#34
 2-Butanone
 Concen: 0.457 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VL034939.D
 Acq: 6 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.9	18.0	27.0



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





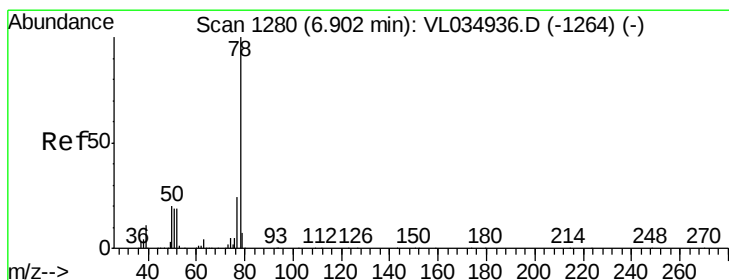
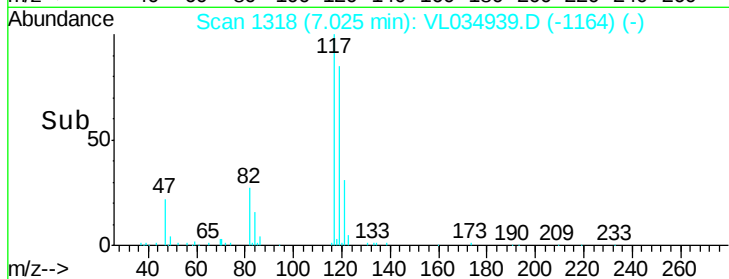
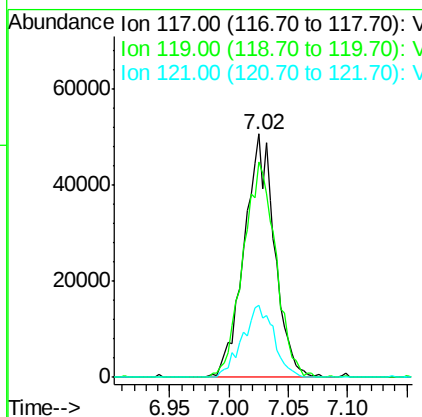
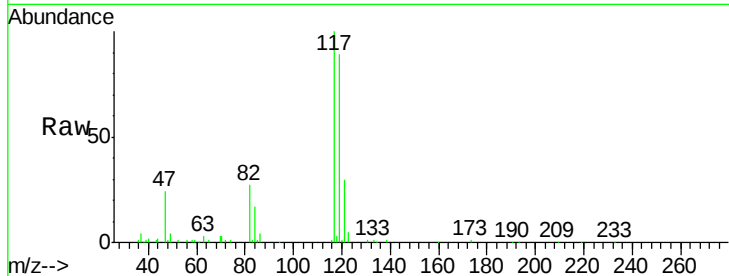
#35
Carbon Tetrachloride
Concen: 0.536 ppbv m
RT: 7.02 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VL034939.D
Acq: 6 May 2020 12:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
119	88.6	77.0	115.6
121	29.7	23.0	34.6

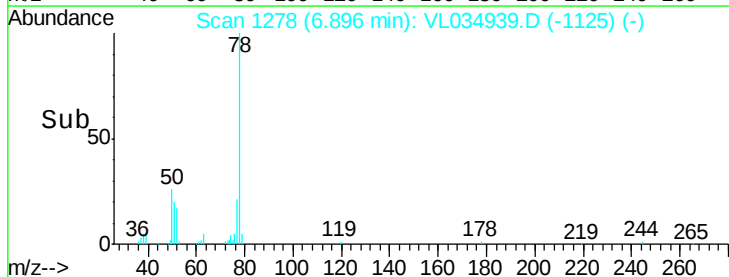
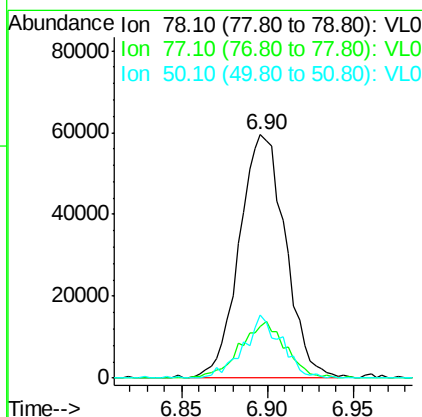
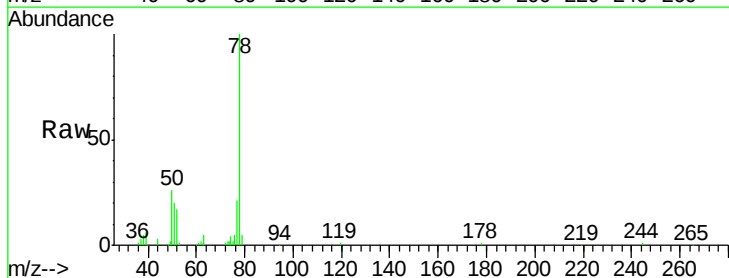
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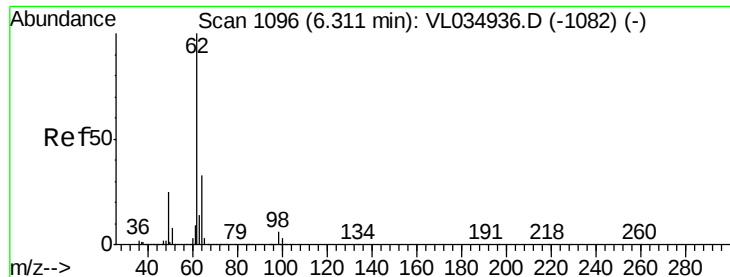
MMDadoda
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#36
Benzene
Concen: 0.450 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. -0.01 min
Lab File: VL034939.D
Acq: 6 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.9	19.0	28.6
50	25.7	15.8	23.8#





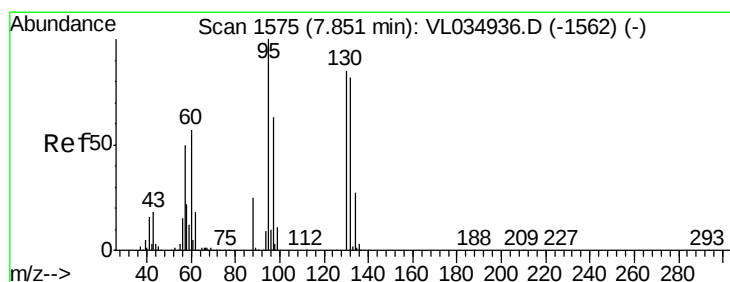
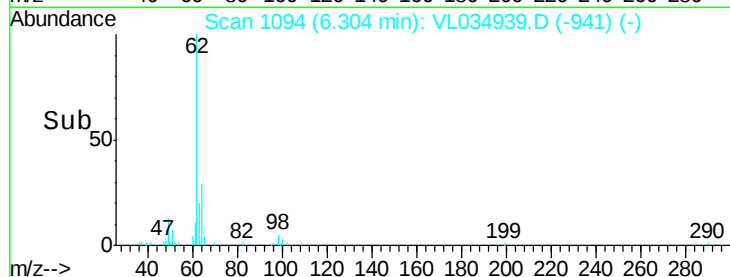
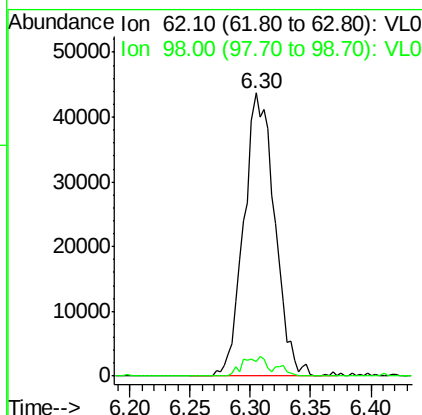
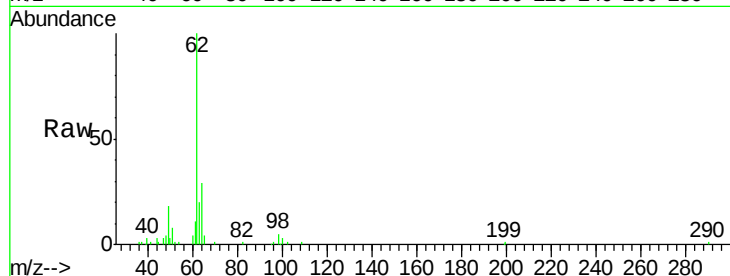
#37
 1,2-Dichloroethane
 Concen: 0.549 ppbv m
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.01 min
 Lab File: VL034939.D
 Acq: 6 May 2020 12:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
62	100		
98	0.0	4.8	7.2#

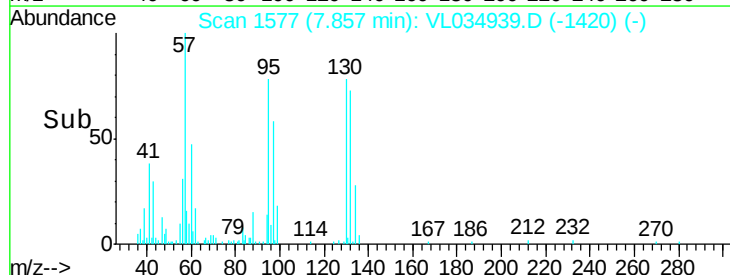
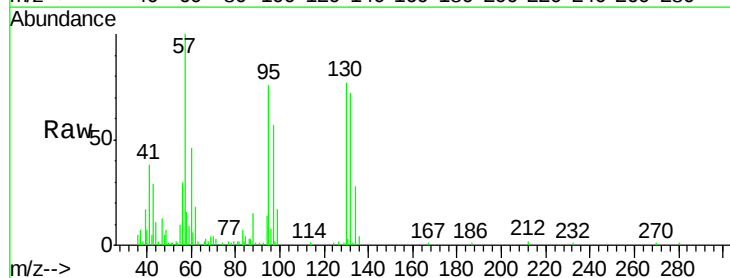
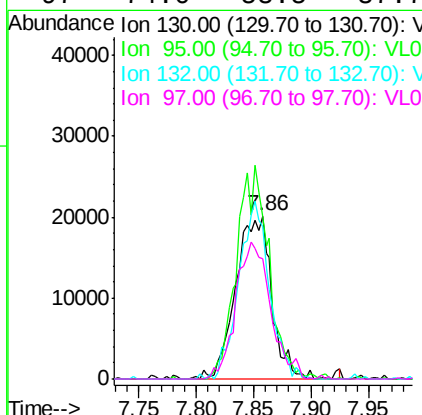
Manual Integrations
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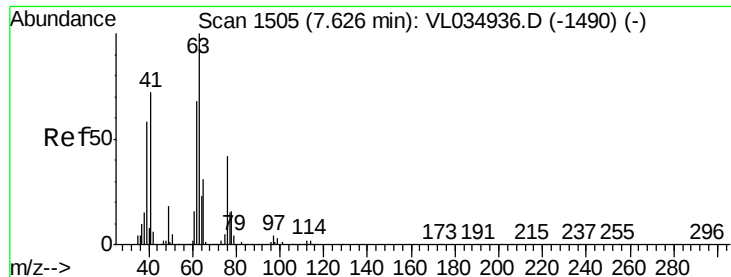
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#38
 Trichloroethene
 Concen: 0.473 ppbv m
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VL034939.D
 Acq: 6 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.8	93.4	140.0
132	93.8	76.4	114.6
97	74.0	58.5	87.7





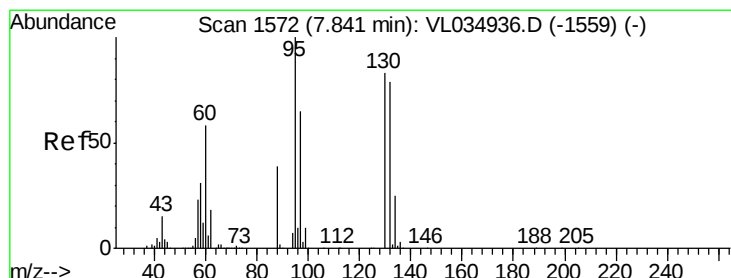
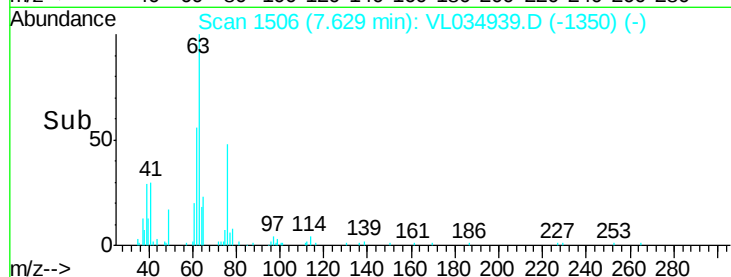
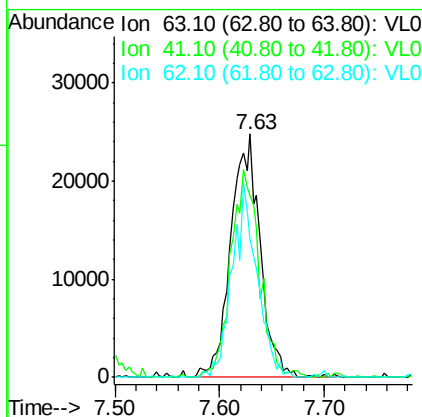
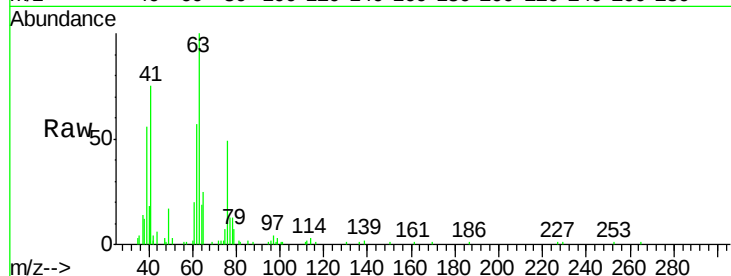
#39
 1,2-Dichloropropane
 Concen: 0.495 ppbv m
 RT: 7.63 min Scan# 1506
 Delta R.T. 0.00 min
 Lab File: VL034939.D
 Acq: 6 May 2020 12:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
63	100		
41	75.1	57.8	86.8
62	57.1	54.2	81.2

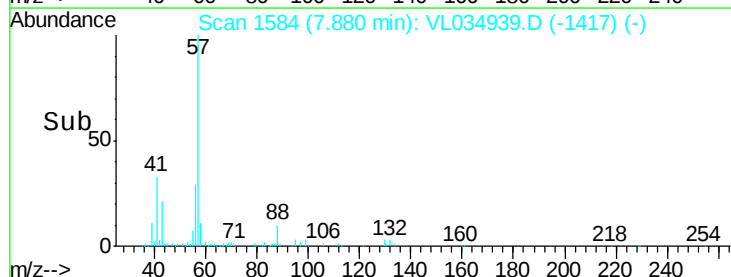
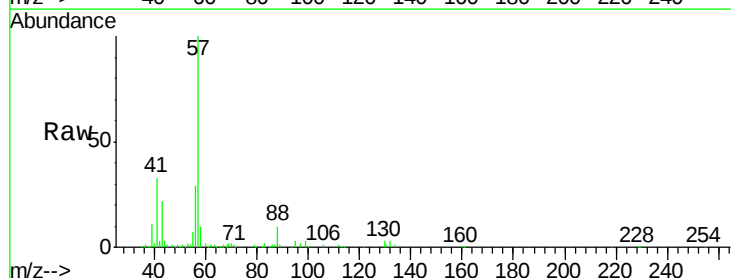
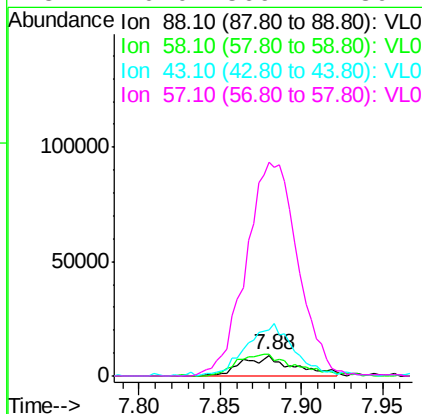
Manual Integrations
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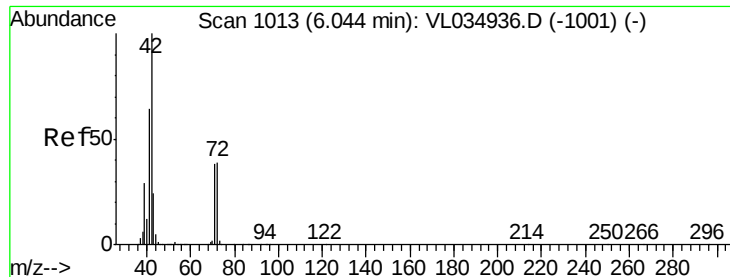
MMDadoda
 5/7/2020 2:29:38 PM



#40
 1,4-Dioxane
 Concen: 0.531 ppbv m
 RT: 7.88 min Scan# 1584
 Delta R.T. 0.04 min
 Lab File: VL034939.D
 Acq: 6 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	105.1	157.7#
43	0.0	202.6	303.8#
57	0.0	869.4	1304.0#





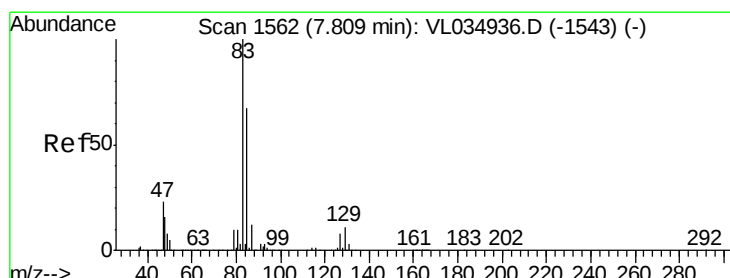
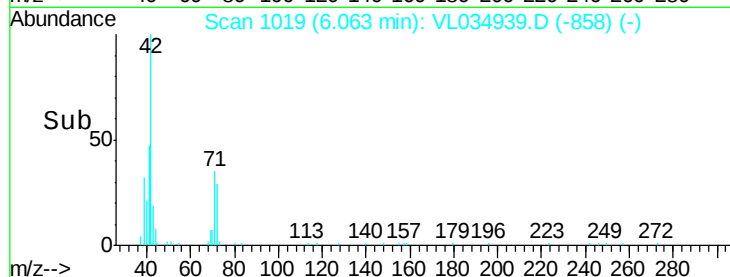
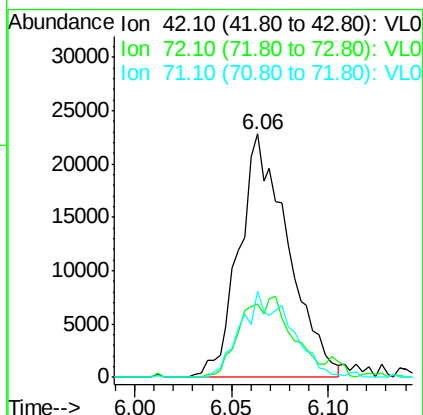
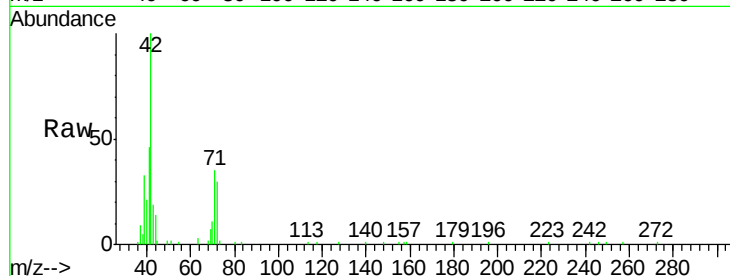
#41
Tetrahydrofuran
Concen: 0.406 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. 0.02 min
Lab File: VL034939.D
Acq: 6 May 2020 12:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.7	31.4	47.0
71	35.9	29.8	44.8

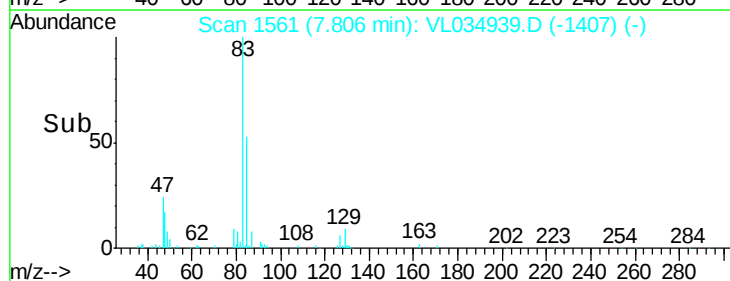
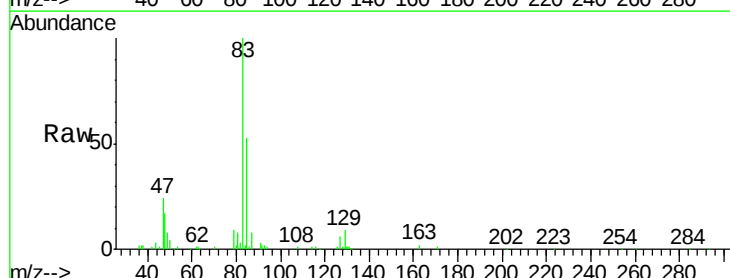
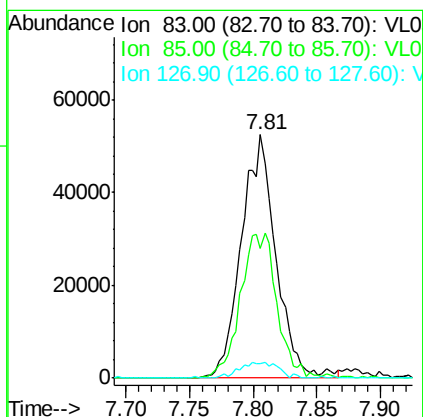
Manual Integrations
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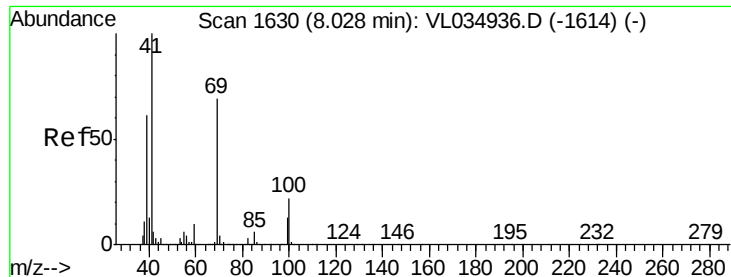
MMDadoda
5/7/2020 2:29:38 PM



#42
Bromodichloromethane
Concen: 0.524 ppbv m
RT: 7.81 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VL034939.D
Acq: 6 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	53.1	53.4	80.0#
127	6.0	6.1	9.1#





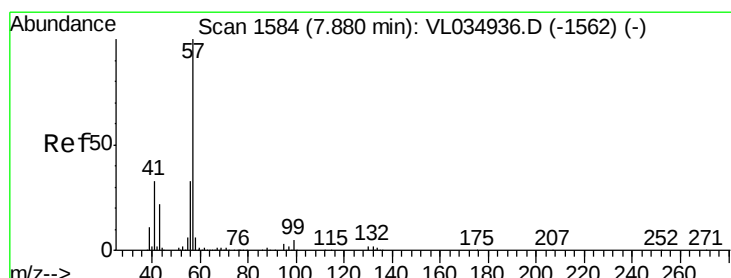
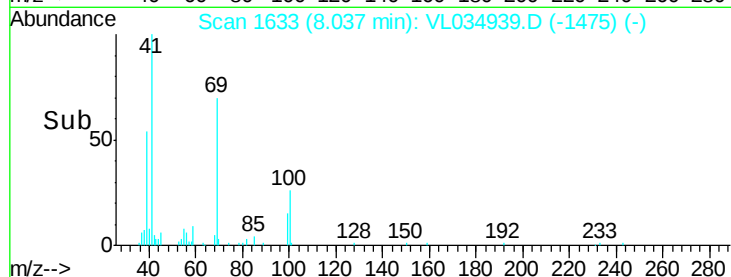
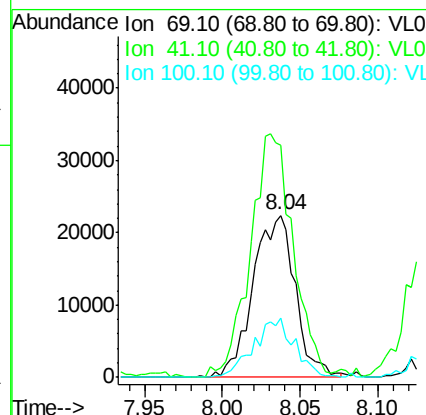
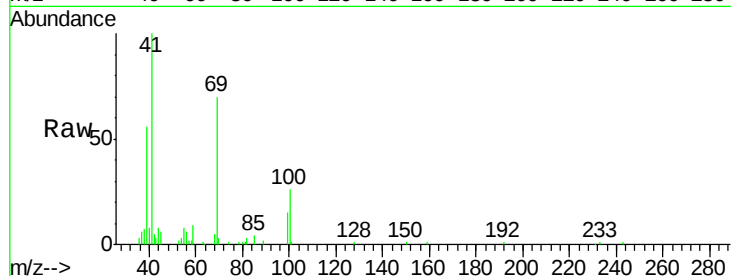
#43
Methvl Methacrvlate
Concen: 0.407 ppbv m
RT: 8.04 min Scan# 1633
Delta R.T. 0.01 min
Lab File: VL034939.D
Acq: 6 May 2020 12:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	154.5	119.8	179.6	
100	0.0	25.0	37.6	

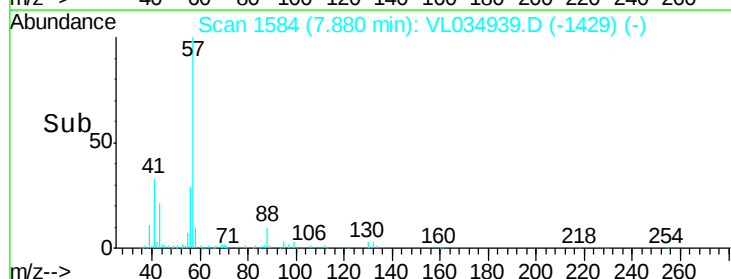
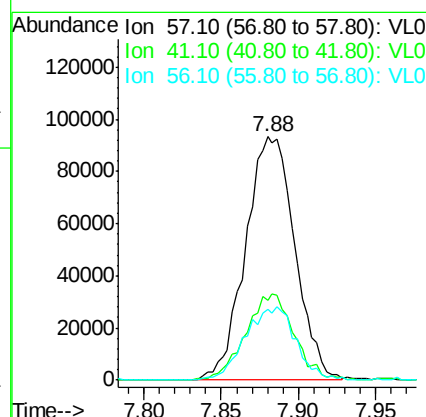
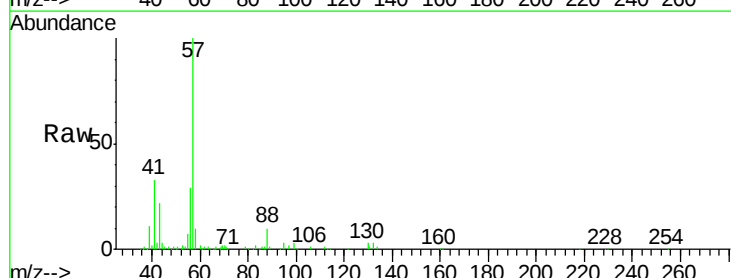
Manual Integrations
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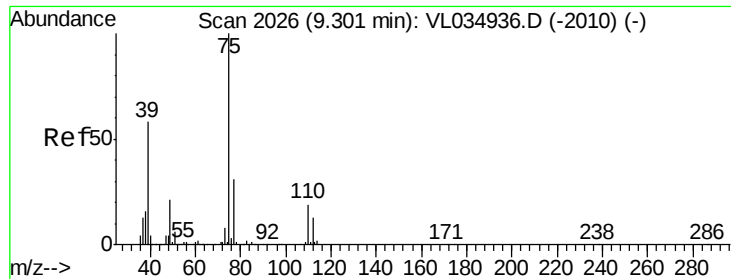
MMDadoda
5/7/2020 2:29:38 PM



#44
2,2,4-Trimethylpentane
Concen: 0.494 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VL034939.D
Acq: 6 May 2020 12:04

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	35.2	26.4	39.6	
56	31.0	25.5	38.3	





#45

t-1,3-Dichloropropene

Concen: 0.300 ppbv

RT: 9.30 min Scan# 2026

Delta R.T. -0.00 min

Lab File: VL034939.D

Acq: 6 May 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 75 Resp: 36482

Ion Ratio Lower Upper

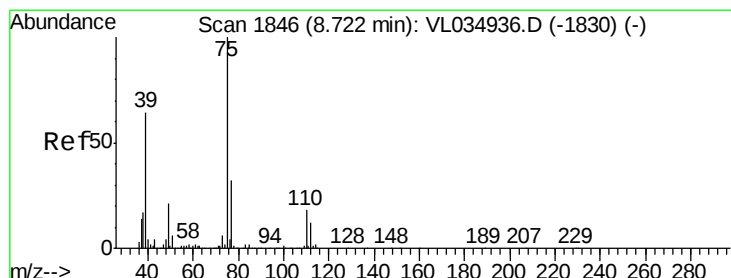
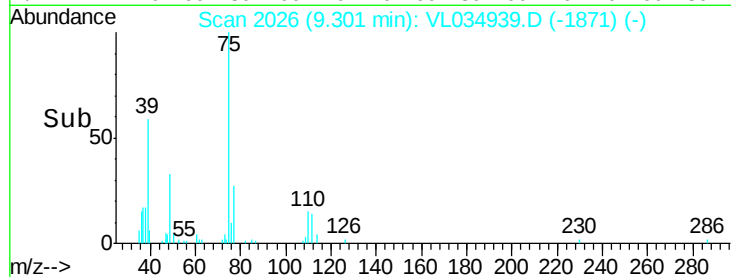
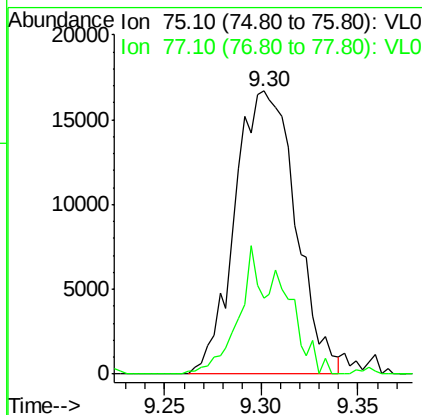
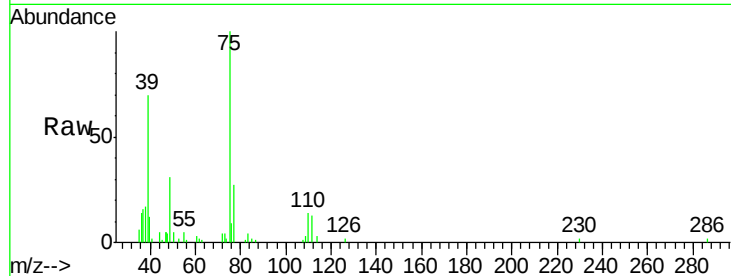
75 100

77 26.9 24.9 37.3

Manual Integrations
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5/7/2020 2:29:38 PM



#46

cis-1,3-Dichloropropene

Concen: 0.316 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. -0.00 min

Lab File: VL034939.D

Acq: 6 May 2020 12:04

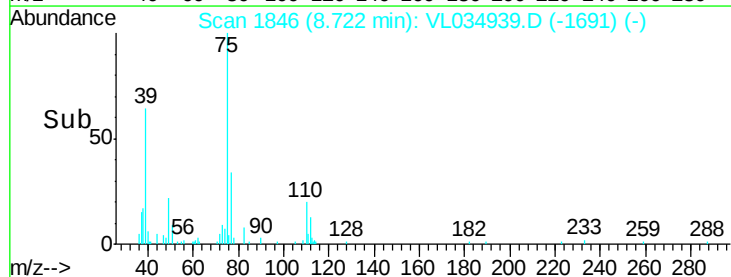
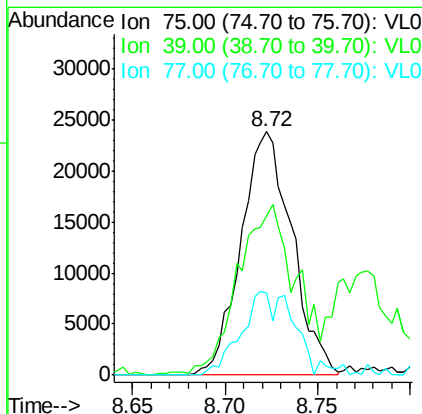
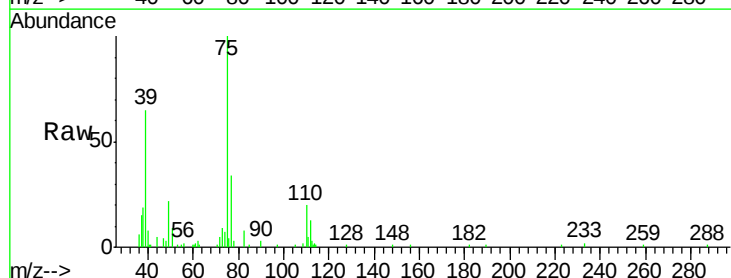
Tgt Ion: 75 Resp: 45600

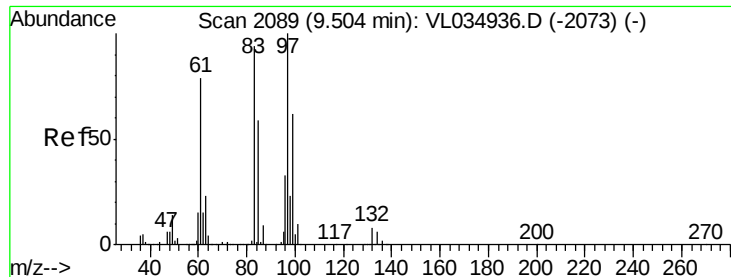
Ion Ratio Lower Upper

75 100

39 64.5 51.5 77.3

77 34.0 25.5 38.3





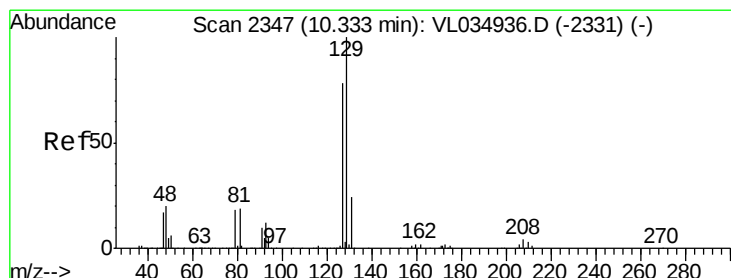
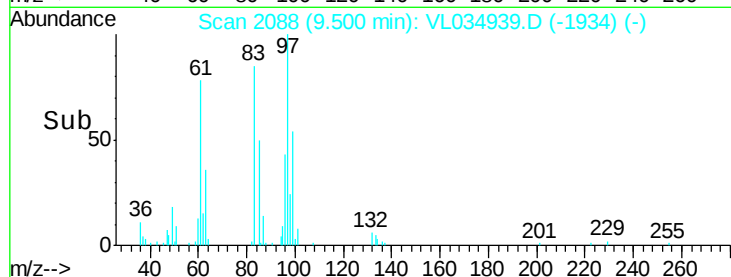
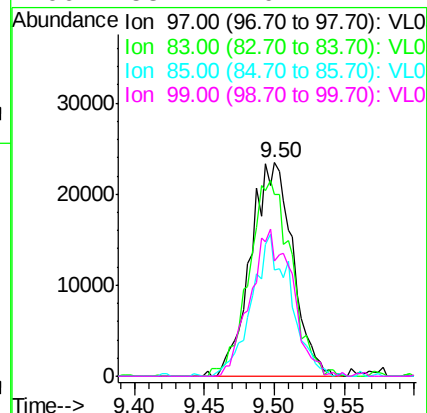
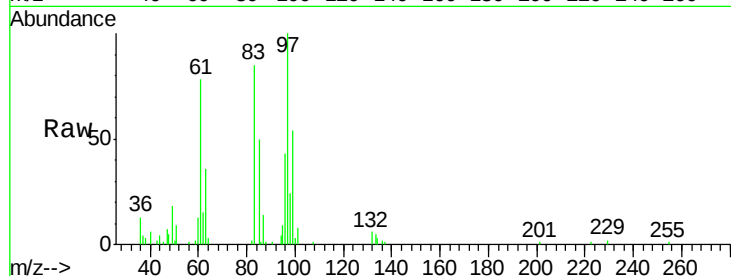
#47
 1,1,2-Trichloroethane
 Concen: 0.494 ppbv m
 RT: 9.50 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VL034939.D
 Acq: 6 May 2020 12:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	97	Resp	49387
Ion	Ratio	Lower	Upper
97	100		
83	84.8	75.6	113.4
85	49.5	47.0	70.6
99	53.7	49.4	74.2

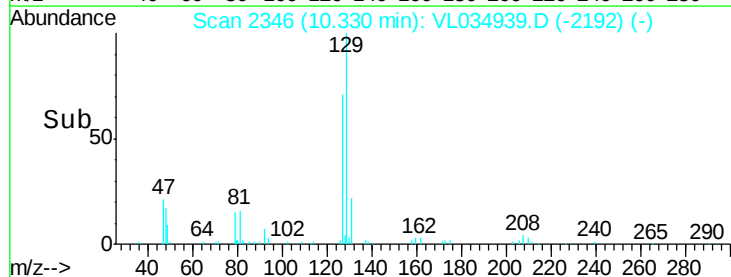
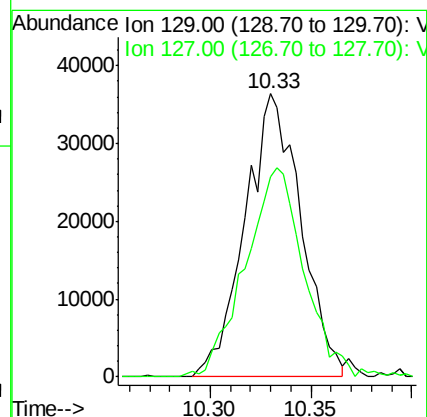
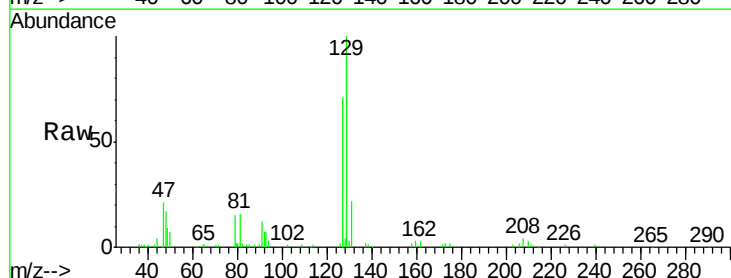
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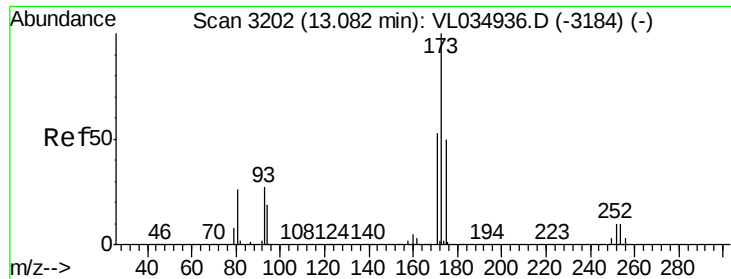
MMDadoda
 5/7/2020 2:29:38 PM



#48
 Dibromochloromethane
 Concen: 0.433 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. -0.00 min
 Lab File: VL034939.D
 Acq: 6 May 2020 12:04

Tgt Ion	129	Resp	70072
Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.1	117.2





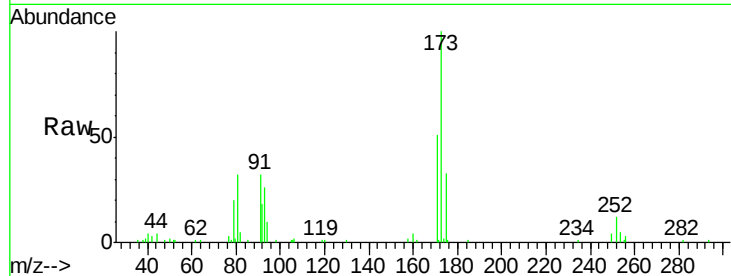
#49
Bromoform
Concen: 0.403 ppbv
RT: 13.08 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VL034939.D
Acq: 6 May 2020 12:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

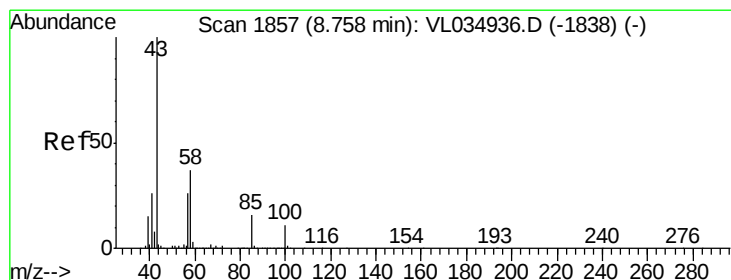
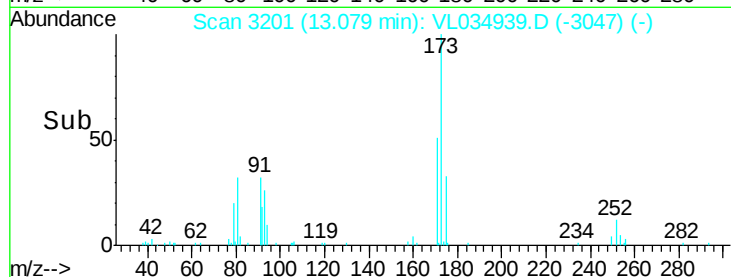
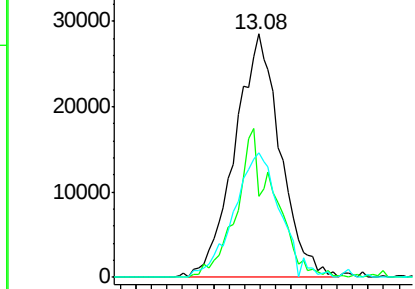
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.6	39.0	58.6
171	51.9	41.4	62.2

Manual Integrations
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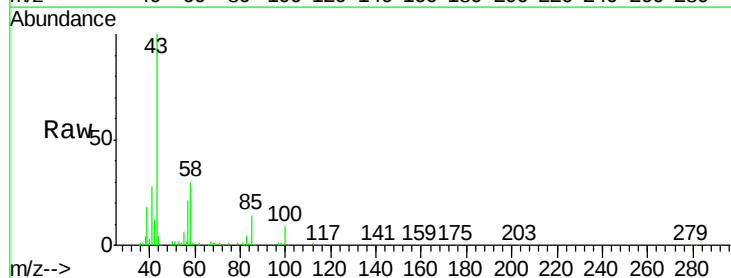


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

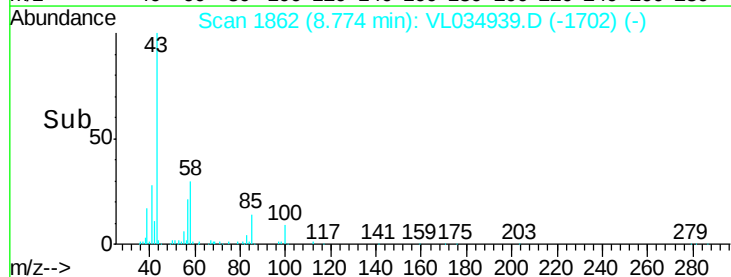
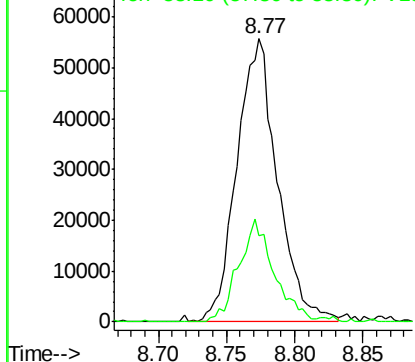


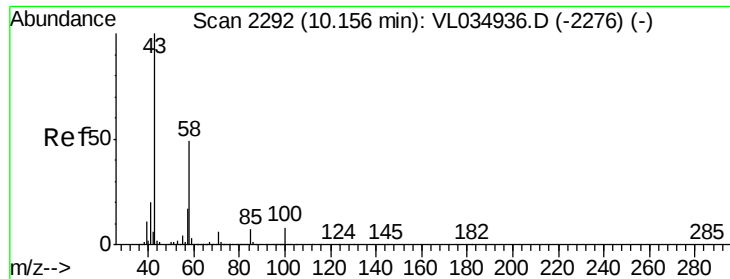
#50
4-Methyl-2-Pentanone
Concen: 0.436 ppbv
RT: 8.77 min Scan# 1862
Delta R.T. 0.02 min
Lab File: VL034939.D
Acq: 6 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.3	29.1	43.7



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





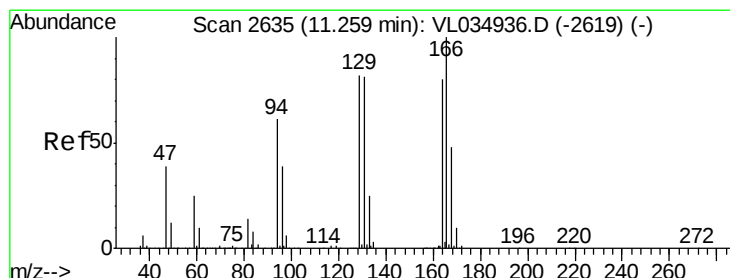
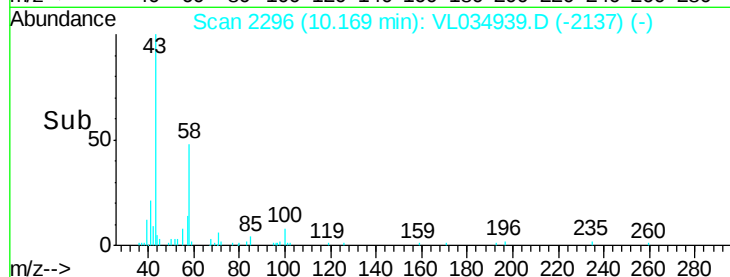
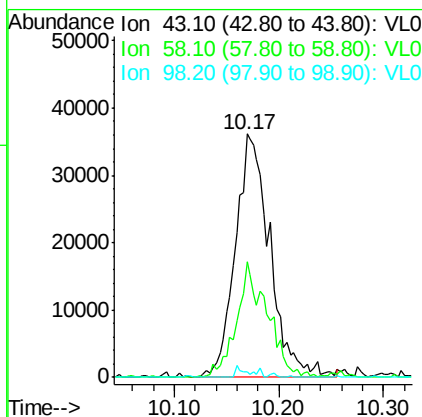
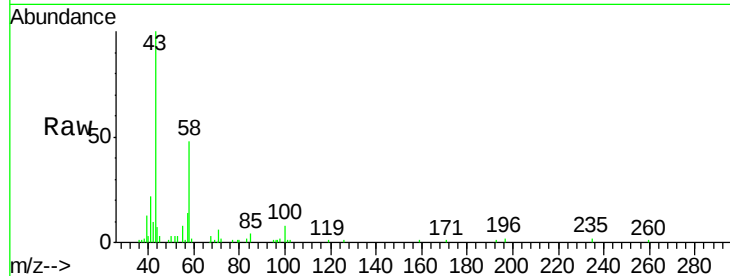
#51
2-Hexanone
Concen: 0.387 ppbv m
RT: 10.17 min Scan# 2296
Delta R.T. 0.01 min
Lab File: VL034939.D
Acq: 6 May 2020 12:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.5	39.1	58.7
98	2.1	0.3	0.5#

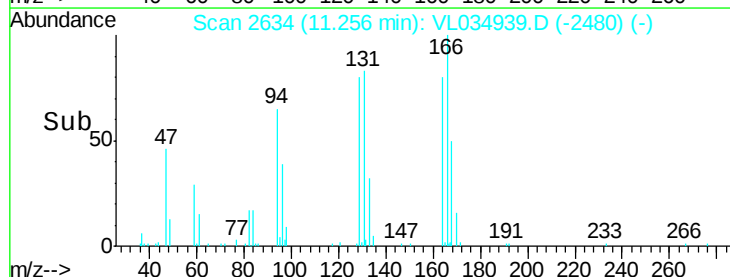
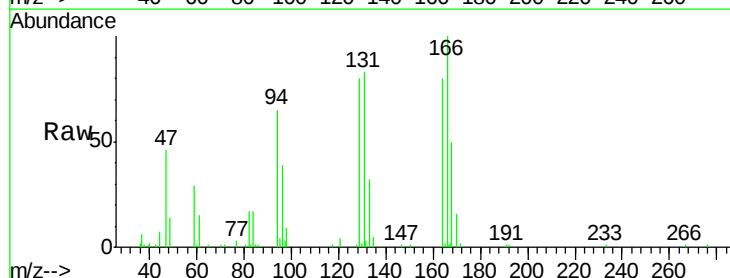
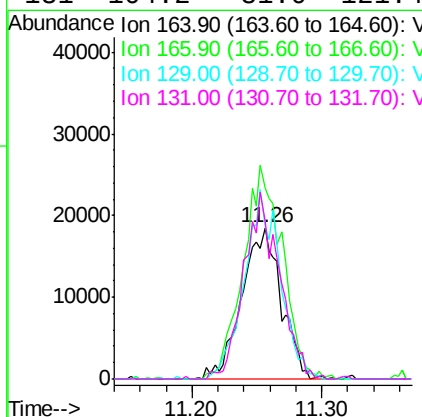
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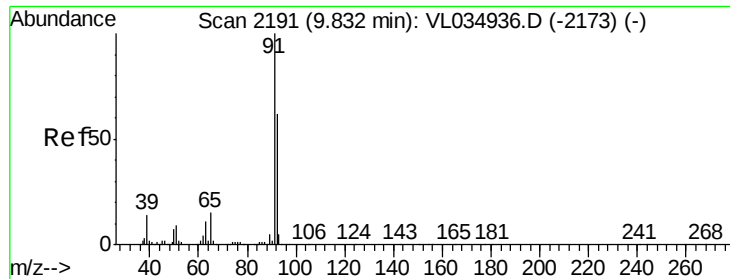
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#52
Tetrachloroethene
Concen: 0.402 ppbv m
RT: 11.26 min Scan# 2634
Delta R.T. -0.00 min
Lab File: VL034939.D
Acq: 6 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	100.7	151.1
129	100.3	83.0	124.4
131	104.2	81.0	121.4





#53

Toluene

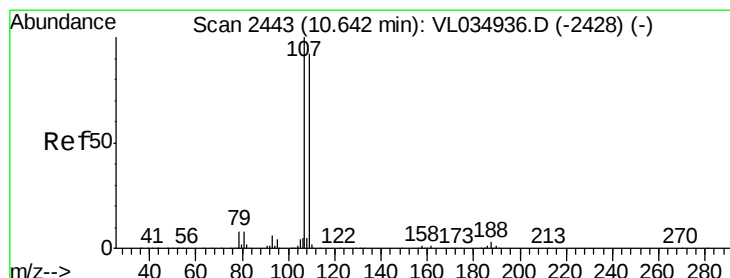
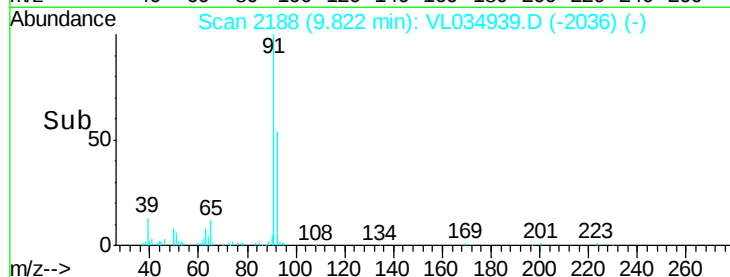
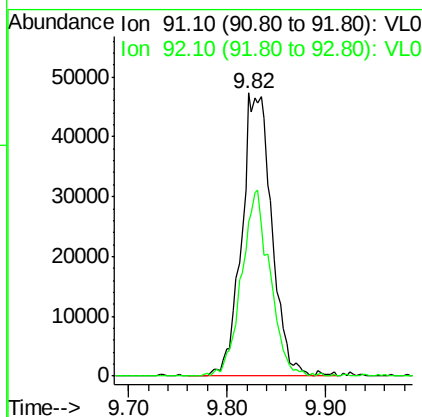
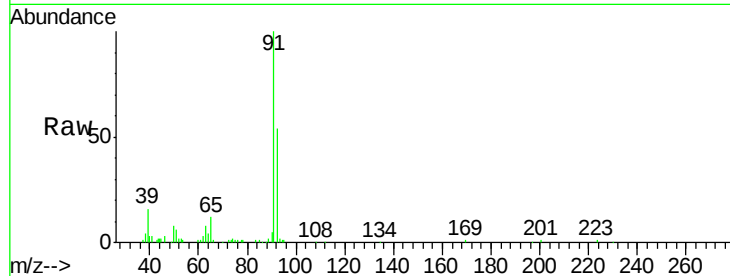
Concen: 0.356 ppbv m
RT: 9.82 min Scan# 2188
Delta R.T. -0.01 min
Lab File: VL034939.D
Acq: 6 May 2020 12:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.6	73.0#

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5/7/2020 2:29:38 PM

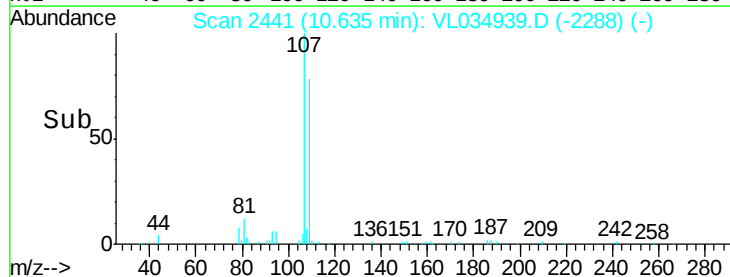
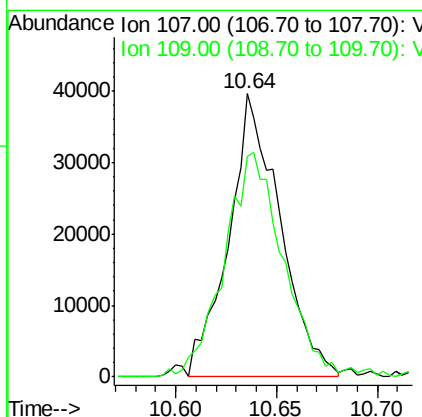
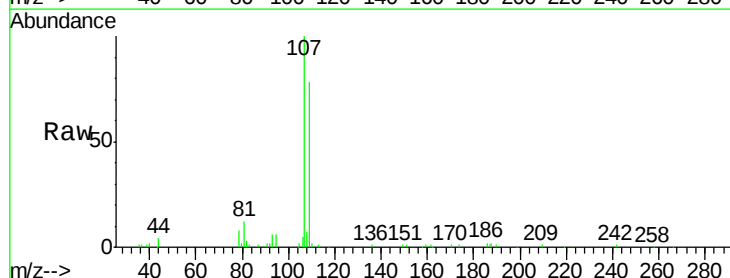


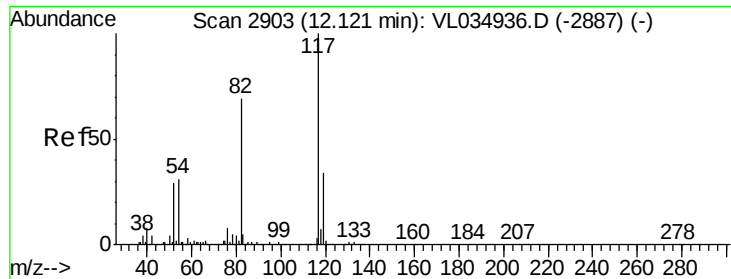
#54

1,2-Dibromoethane

Concen: 0.468 ppbv
RT: 10.64 min Scan# 2441
Delta R.T. -0.01 min
Lab File: VL034939.D
Acq: 6 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
107	100		
109	76.7	73.2	109.8





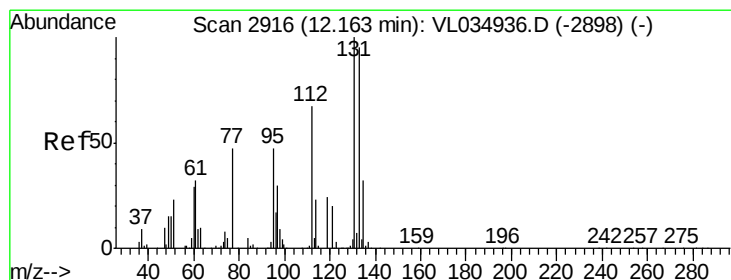
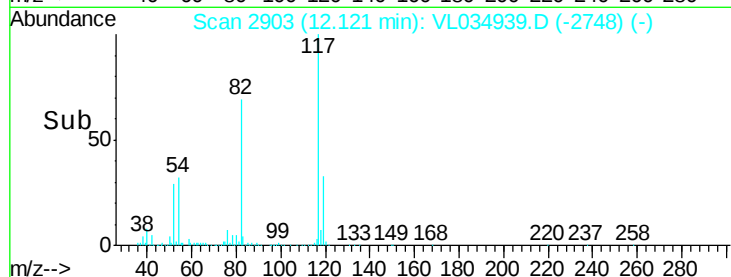
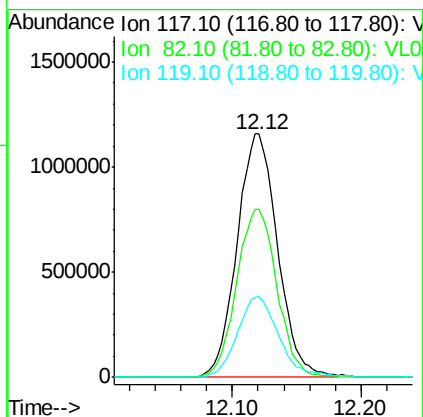
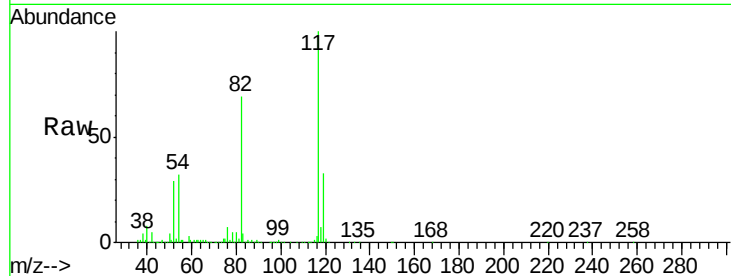
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. -0.00 min
Lab File: VL034939.D
Acq: 6 May 2020 12:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.1	53.1	79.7
119	34.0	26.7	40.1

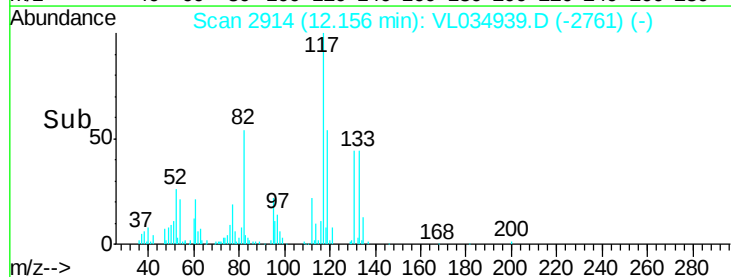
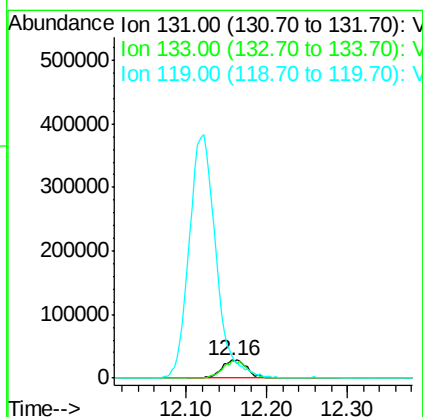
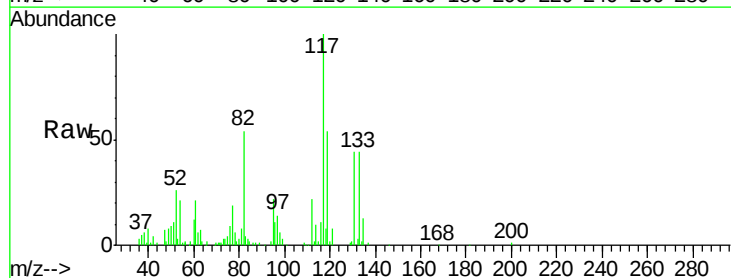
Manual Integrations
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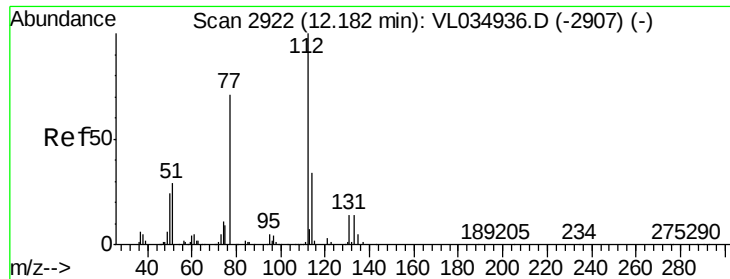
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.556 ppbv m
RT: 12.16 min Scan# 2914
Delta R.T. -0.01 min
Lab File: VL034939.D
Acq: 6 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
131	100		
133	0.0	77.7	116.5#
119	0.0	49.8	74.6#





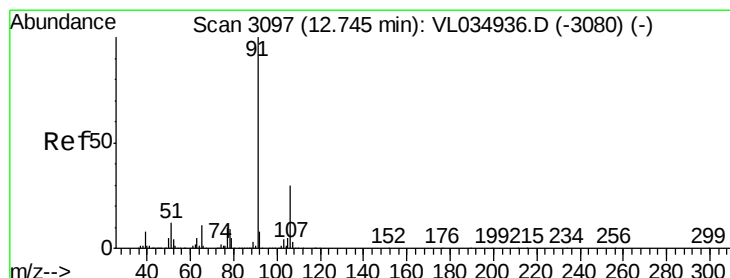
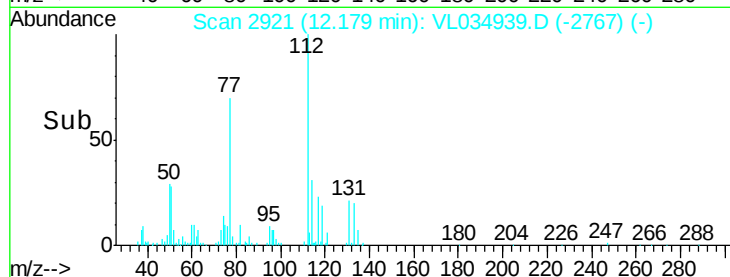
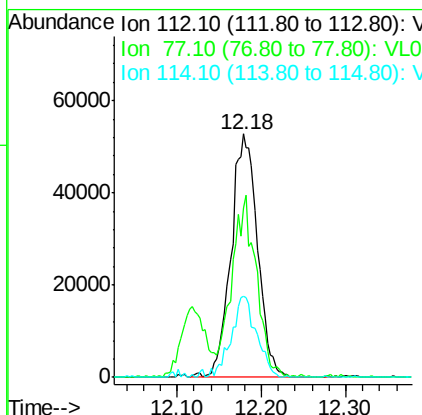
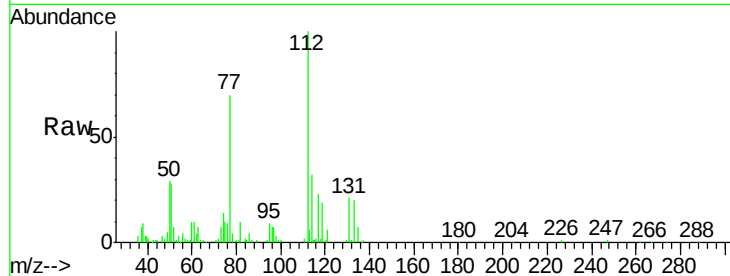
#57
Chlorobenzene
Concen: 0.583 ppbv m
RT: 12.18 min Scan# 2921
Delta R.T. -0.00 min
Lab File: VL034939.D
Acq: 6 May 2020 12:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
112	100		
77	69.6	57.0	85.6
114	32.2	30.8	37.6

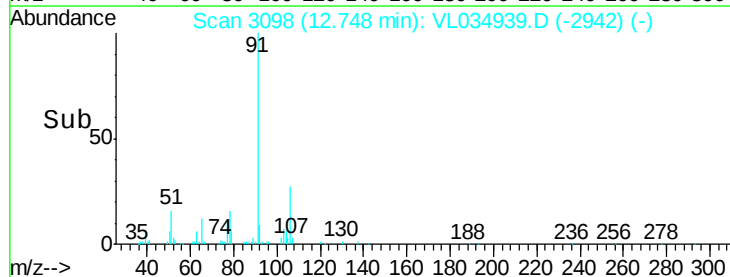
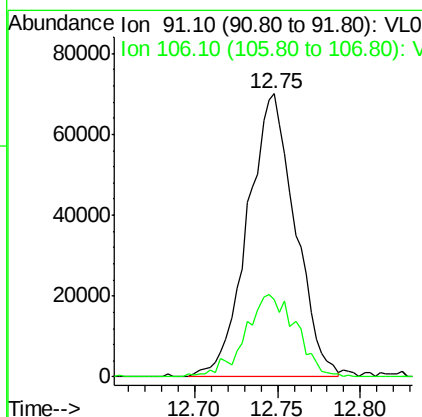
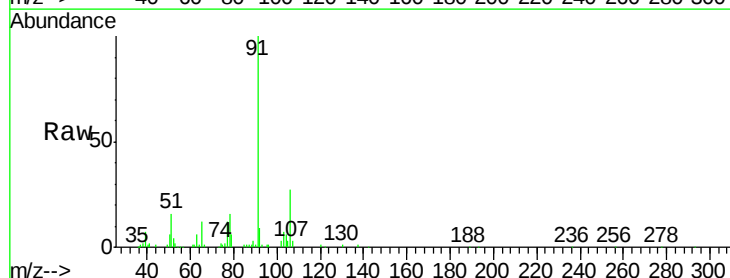
Manual Integrations
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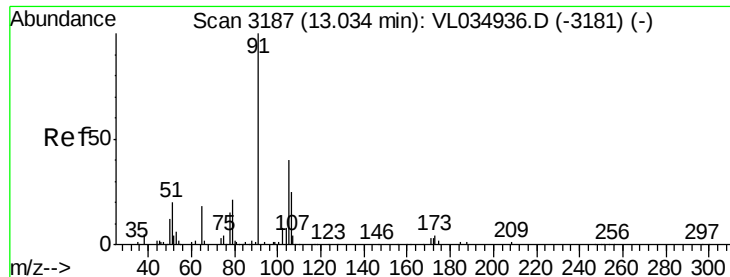
MMDadoda
5/7/2020 2:29:38 PM



#58
Ethyl Benzene
Concen: 0.410 ppbv
RT: 12.75 min Scan# 3098
Delta R.T. 0.00 min
Lab File: VL034939.D
Acq: 6 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
91	100		
106	26.3	24.2	36.4





#59

m/p-Xylene

Concen: 0.959 ppbv m

RT: 13.02 min Scan# 3184

Delta R.T. -0.01 min

Lab File: VL034939.D

Acq: 6 May 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 275352

Ion Ratio Lower Upper

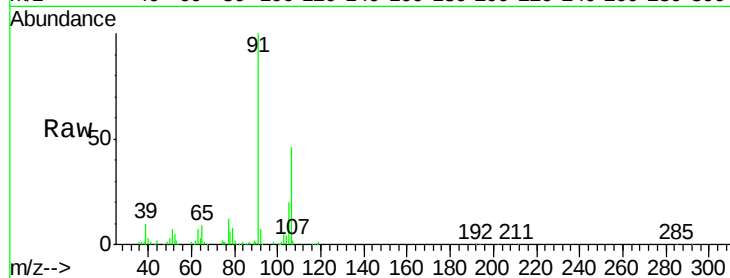
91 100

106 0.0 66.0 99.0#

Manual Integrations
APPROVED

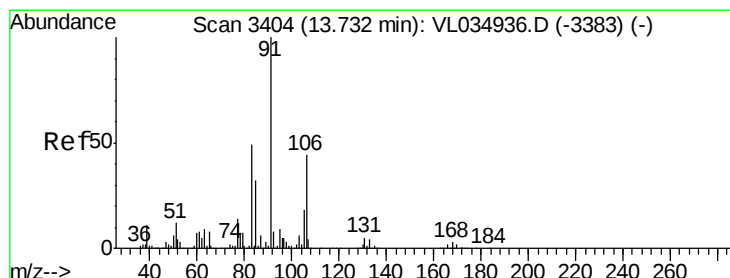
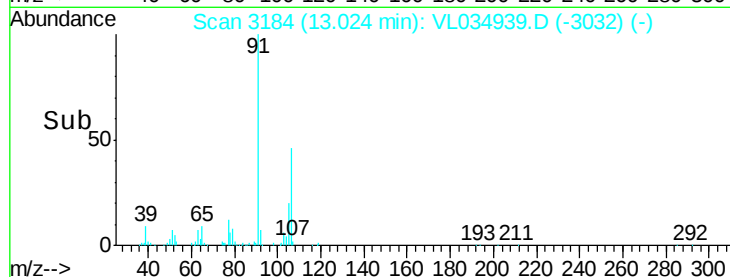
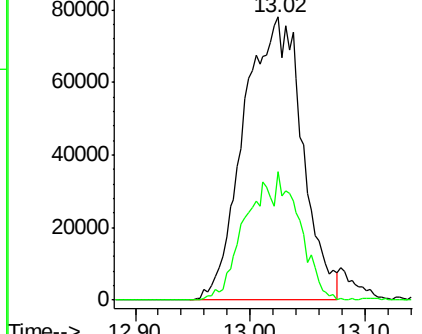
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.469 ppbv

RT: 13.73 min Scan# 3403

Delta R.T. -0.00 min

Lab File: VL034939.D

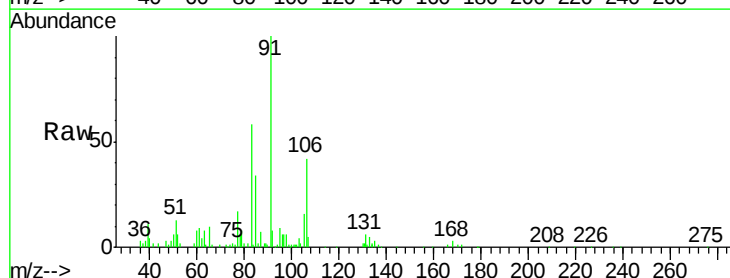
Acq: 6 May 2020 12:04

Tgt Ion: 91 Resp: 131299

Ion Ratio Lower Upper

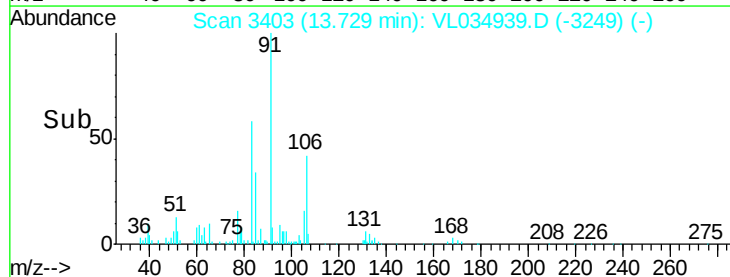
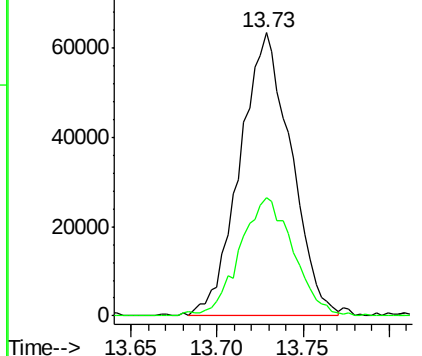
91 100

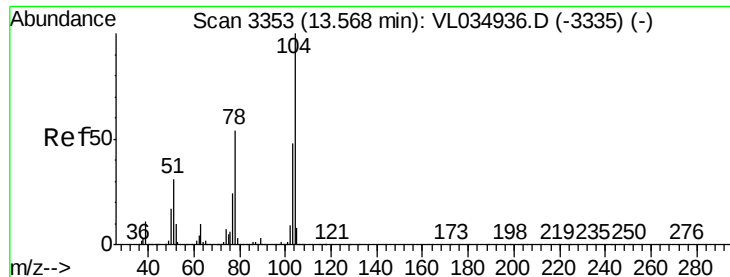
106 43.8 21.9 65.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





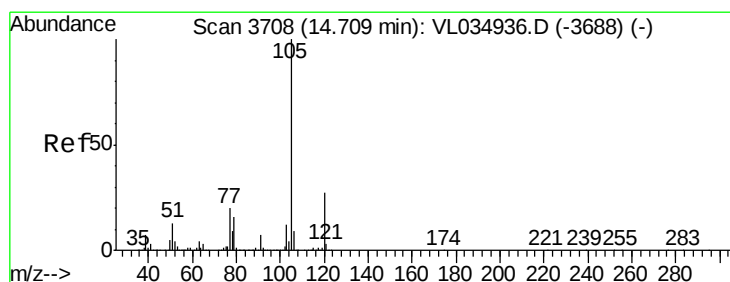
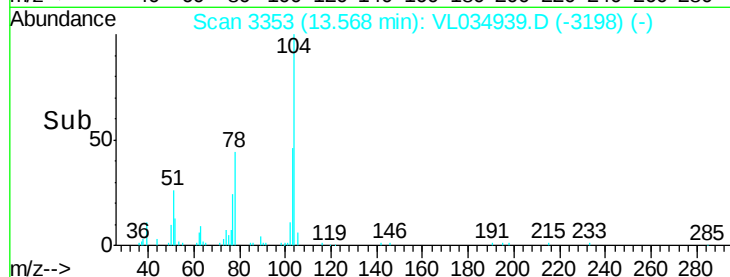
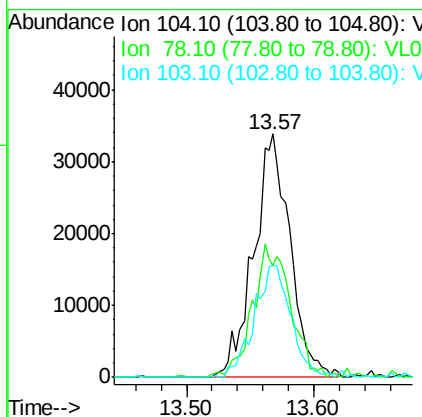
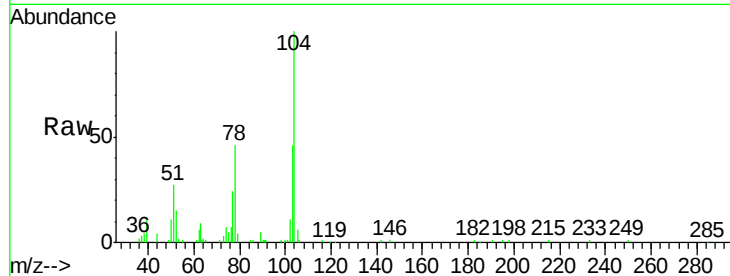
#61
Stvrene
Concen: 0.342 ppbv m
RT: 13.57 min Scan# 3353
Delta R.T. -0.00 min
Lab File: VL034939.D
Acq: 6 May 2020 12:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
104	100		
78	56.5	43.7	65.5
103	47.0	38.8	58.2

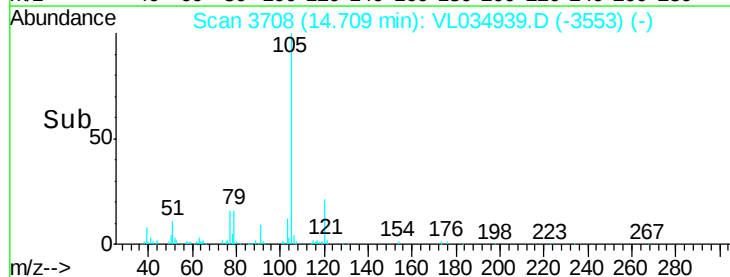
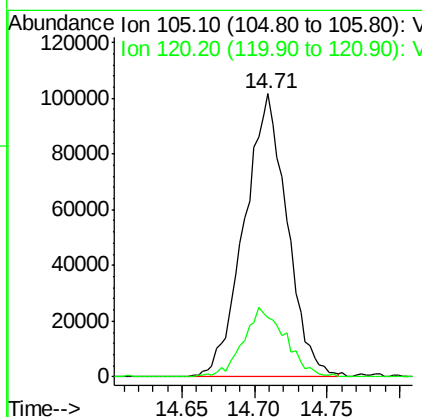
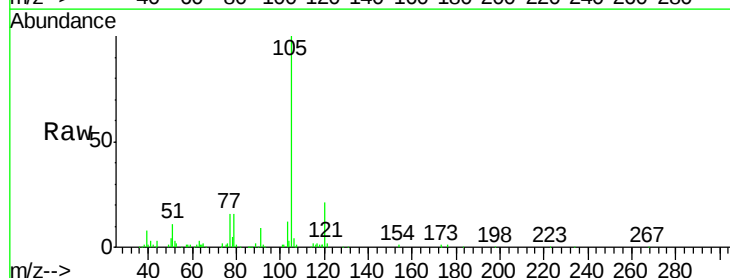
Manual Integrations
APPROVED

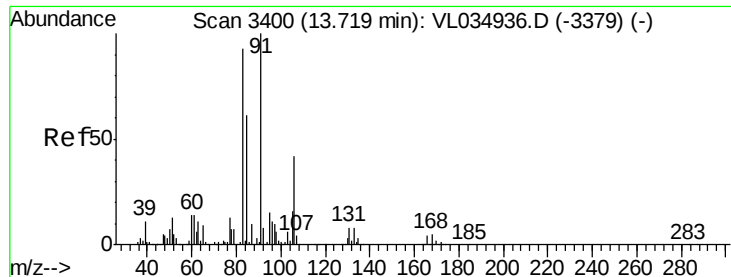
MMDadoda
5/7/2020 2:29:38 PM



#62
Isopropylbenzene
Concen: 0.493 ppbv
RT: 14.71 min Scan# 3708
Delta R.T. -0.00 min
Lab File: VL034939.D
Acq: 6 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.2	20.6	31.0





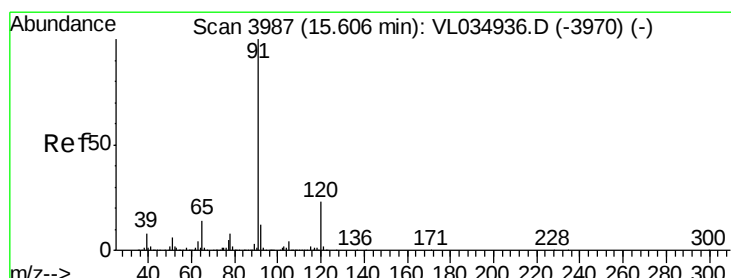
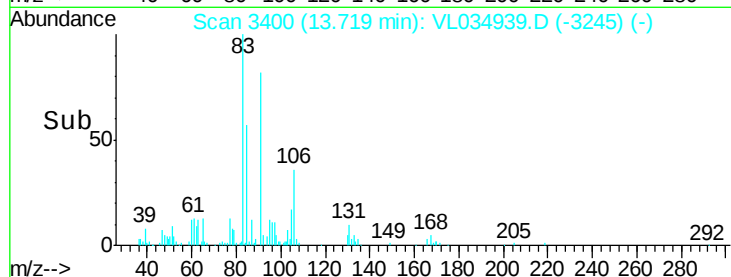
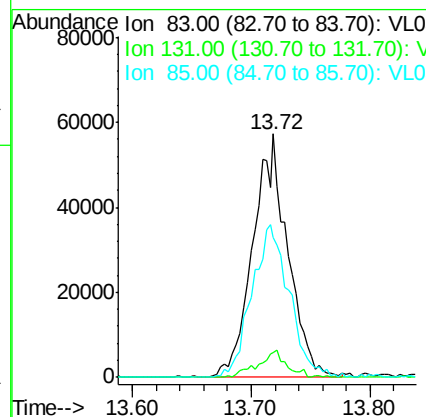
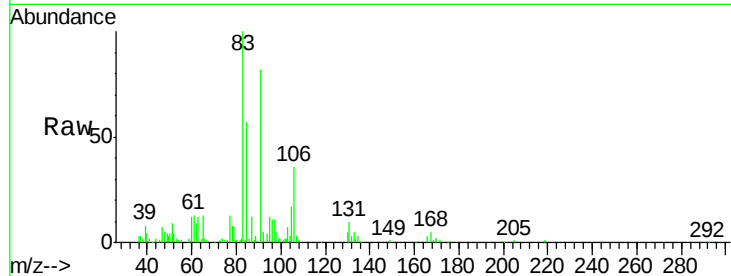
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.625 ppbv m
 RT: 13.72 min Scan# 3400
 Delta R.T. -0.00 min
 Lab File: VL034939.D
 Acq: 6 May 2020 12:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	83	Resp	118929
Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.7	14.0
85	67.8	32.5	97.4

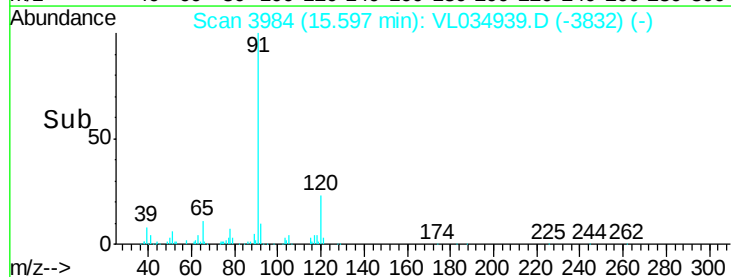
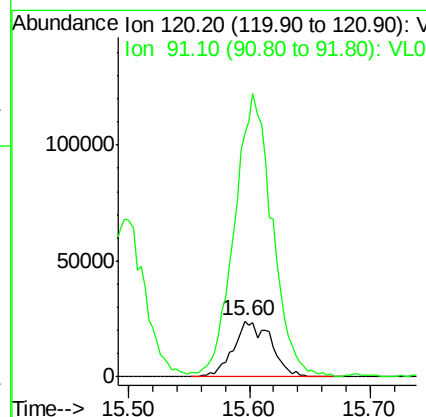
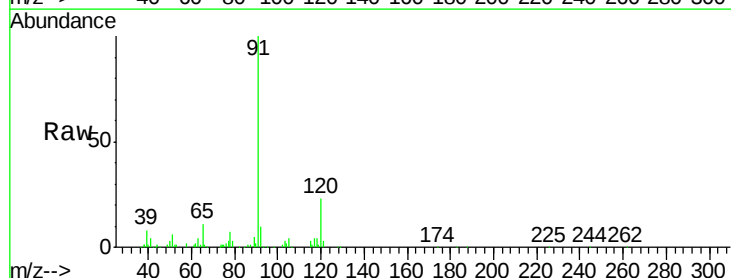
Manual Integrations
 APPROVED

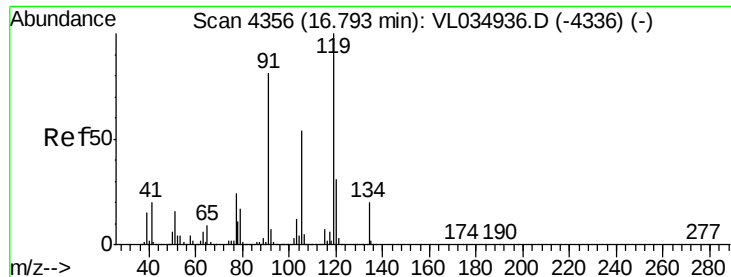
MMDadoda
 5/7/2020 2:29:38 PM



#64
 n-propylbenzene
 Concen: 0.462 ppbv m
 RT: 15.60 min Scan# 3984
 Delta R.T. -0.01 min
 Lab File: VL034939.D
 Acq: 6 May 2020 12:04

Tgt Ion	120	Resp	50993
Ion	Ratio	Lower	Upper
120	100		
91	509.1	373.5	560.3





#65

tert-Butylbenzene

Concen: 0.476 ppbv m

RT: 16.79 min Scan# 4356

Delta R.T. -0.00 min

Lab File: VL034939.D

Acq: 6 May 2020 12:04

Instrument :

MSVOA_L

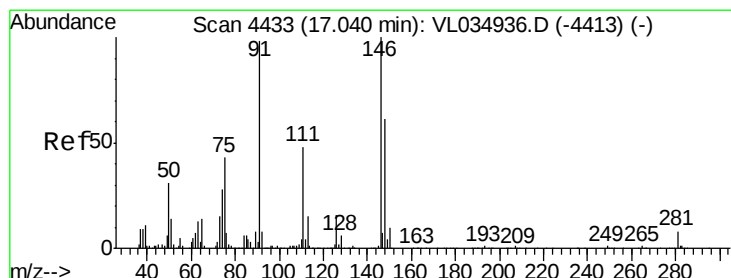
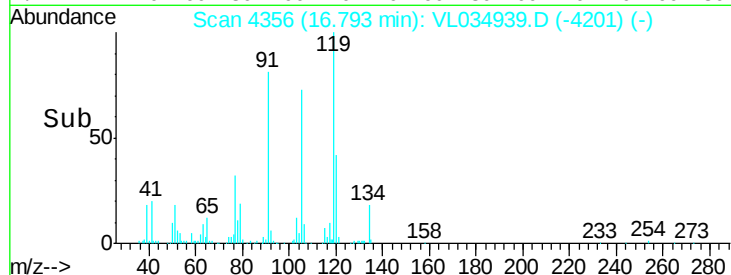
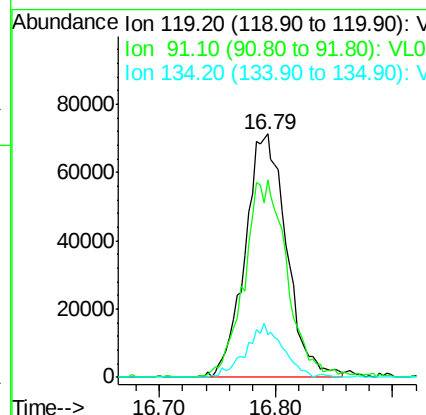
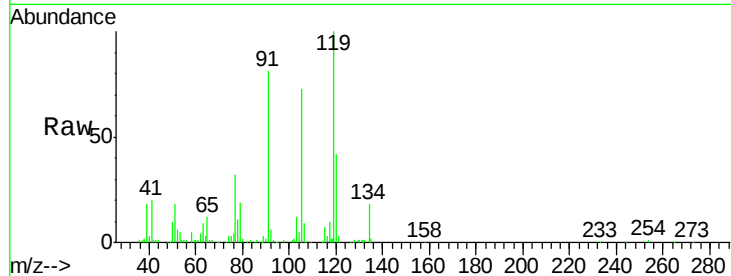
ClientSampleId :

VSTDIC0.5

Tot Ion:	119	Resp:	176390
Ion Ratio	Lower	Upper	
119	100		
91	84.3	67.5	101.3
134	19.7	16.1	24.1

Manual Integrations
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#66

Benzyl Chloride

Concen: 0.322 ppbv m

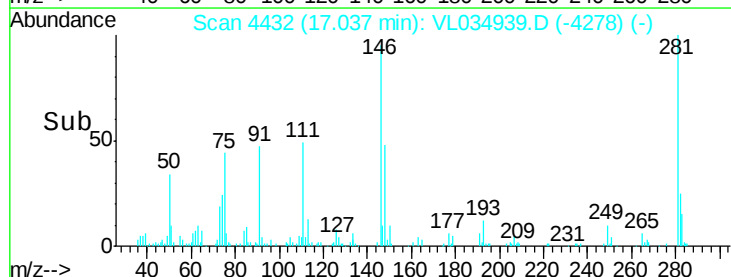
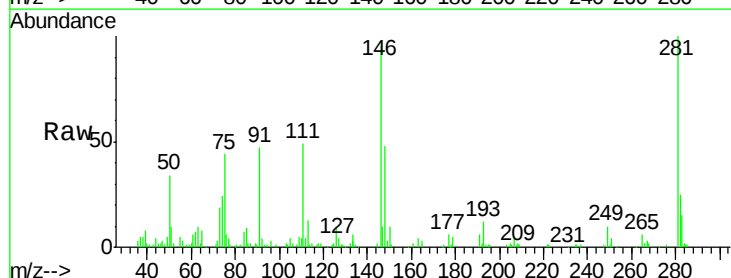
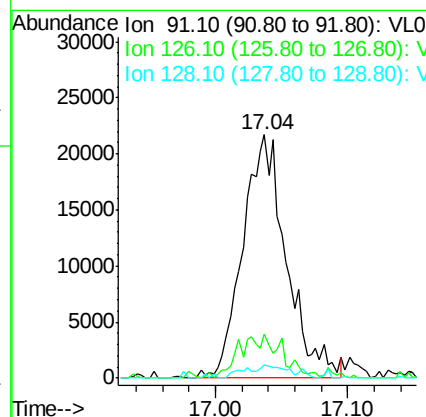
RT: 17.04 min Scan# 4432

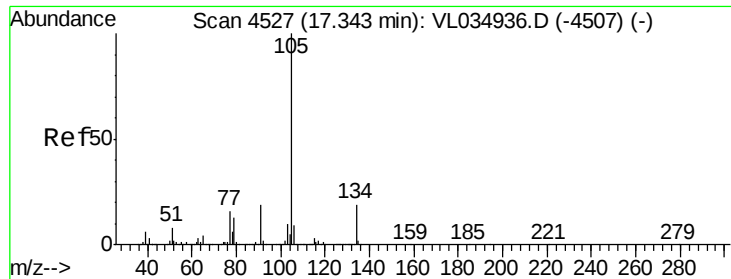
Delta R.T. -0.00 min

Lab File: VL034939.D

Acq: 6 May 2020 12:04

Tgt Ion:	91	Resp:	49751
Ion Ratio	Lower	Upper	
91	100		
126	18.3	13.8	20.6
128	6.4	4.3	6.5





#67

sec-Butylbenzene

Concen: 0.467 ppbv

RT: 17.34 min Scan# 4526

Delta R.T. -0.00 min

Lab File: VL034939.D

Acq: 6 May 2020 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 105 Resp: 239821

Ion Ratio Lower Upper

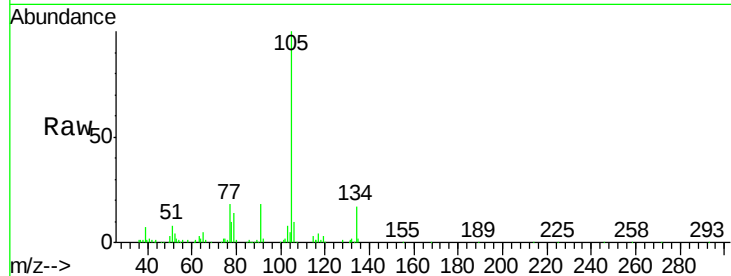
105 100

134 17.3 14.8 22.2

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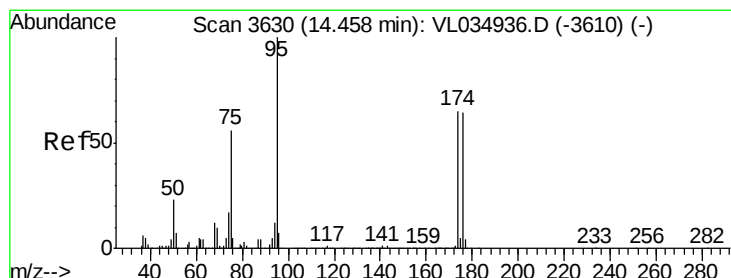
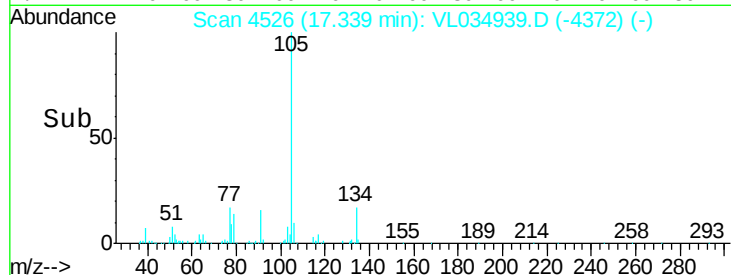
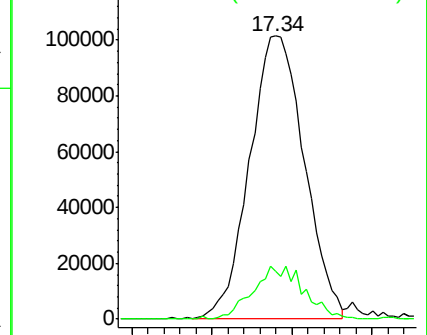
MMDadoda

5/7/2020 2:29:38 PM



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: 10.819 ppbv

RT: 14.46 min Scan# 3630

Delta R.T. -0.00 min

Lab File: VL034939.D

Acq: 6 May 2020 12:04

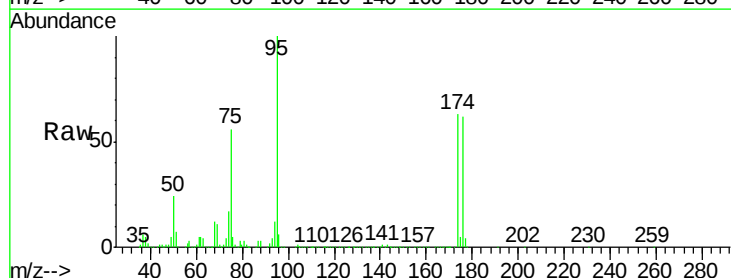
Tgt Ion: 95 Resp: 2134302

Ion Ratio Lower Upper

95 100

174 64.1 51.5 77.3

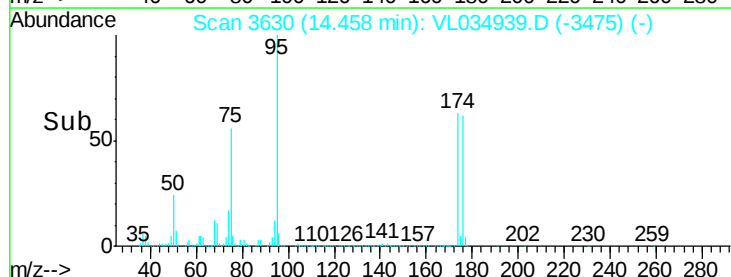
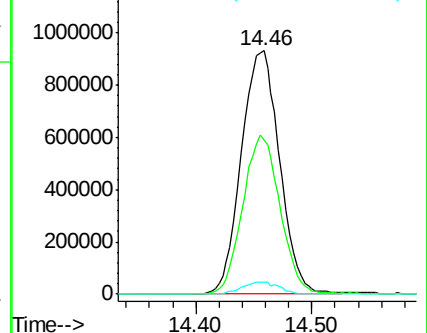
175 4.8 3.8 5.8

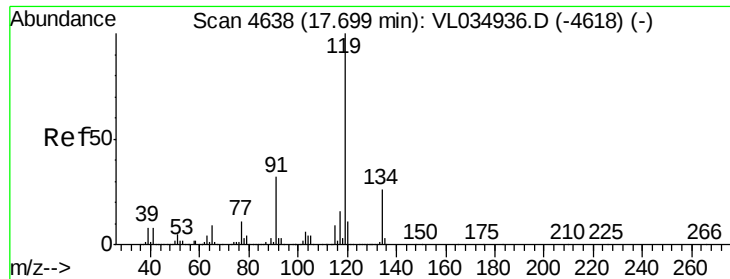


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





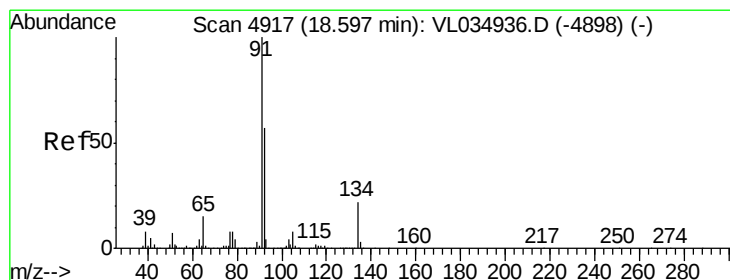
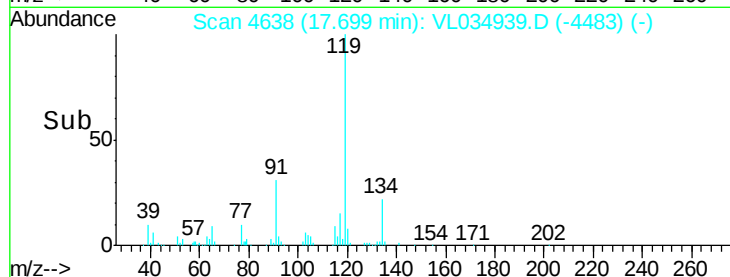
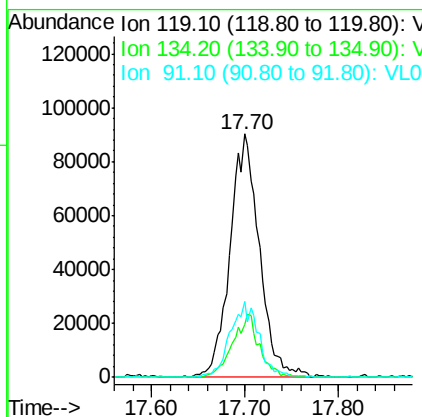
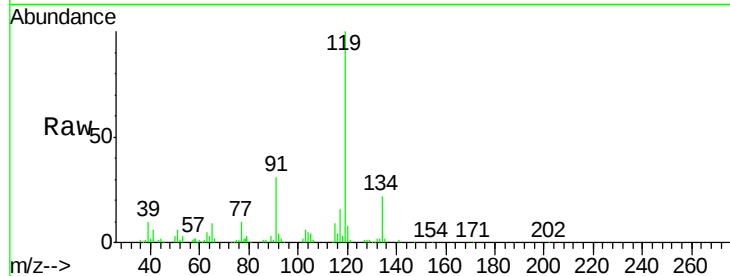
#69
 p-Isopropyltoluene
 Concen: 0.456 ppbv m
 RT: 17.70 min Scan# 4638
 Delta R.T. -0.00 min
 Lab File: VL034939.D
 Acq: 6 May 2020 12:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	119	Resp:	196444
Ion Ratio	Lower	Upper	
119	100		
134	23.7	20.3	30.5
91	30.6	24.6	36.8

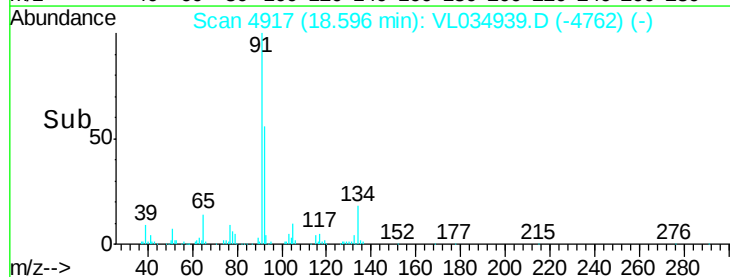
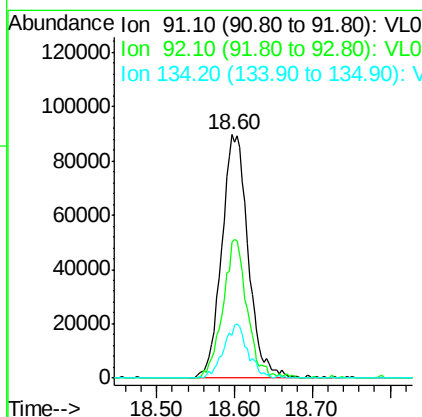
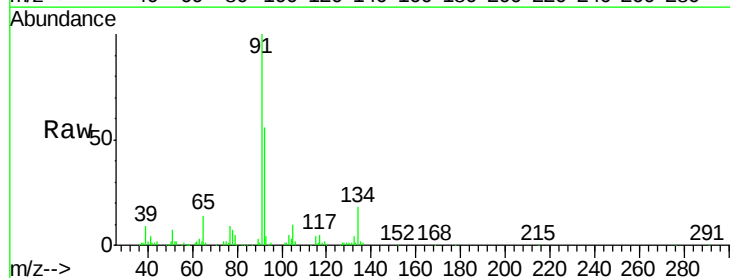
Manual Integrations
 APPROVED

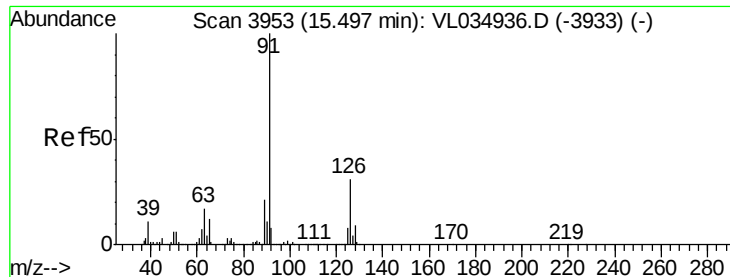
MMDadoda
 5/7/2020 2:29:38 PM



#70
 n-Butylbenzene
 Concen: 0.478 ppbv m
 RT: 18.60 min Scan# 4917
 Delta R.T. -0.00 min
 Lab File: VL034939.D
 Acq: 6 May 2020 12:04

Tgt Ion:	91	Resp:	209929
Ion Ratio	Lower	Upper	
91	100		
92	0.0	44.4	66.6#
134	0.0	18.0	27.0#





#71

2-Chlorotoluene

Concen: 0.465 ppbv

RT: 15.50 min Scan# 3953

Delta R.T. -0.00 min

Lab File: VL034939.D

Acq: 6 May 2020 12:04

Instrument :

MSVOA_L

ClientSampled :

VSTDIC0.5

Tot Ion: 91 Resp: 149150

Ion Ratio Lower Upper

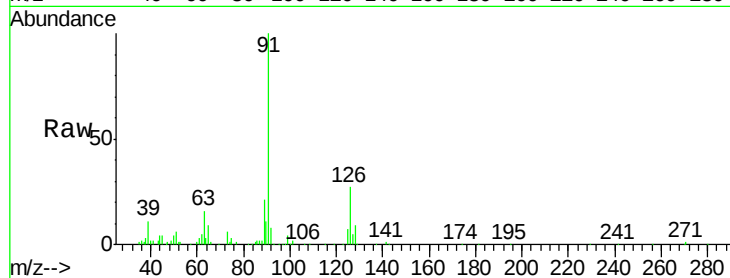
91 100

126 26.9 12.0 47.8

Manual Integrations
APPROVED

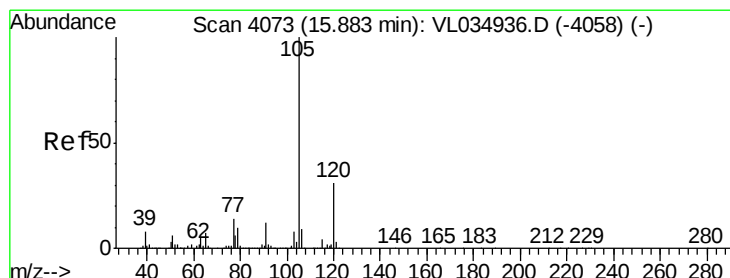
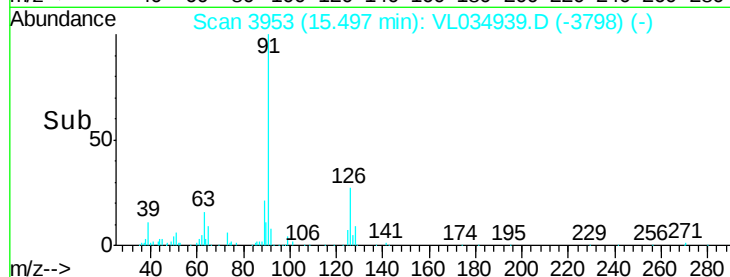
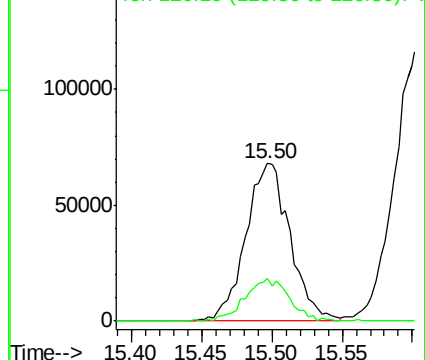
MMDadoda

5/7/2020 2:29:38 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.413 ppbv

RT: 15.88 min Scan# 4073

Delta R.T. -0.00 min

Lab File: VL034939.D

Acq: 6 May 2020 12:04

Tgt Ion: 105 Resp: 136539

Ion Ratio Lower Upper

105 100

120 28.7 23.8 35.8

91 16.3 10.6 15.8#

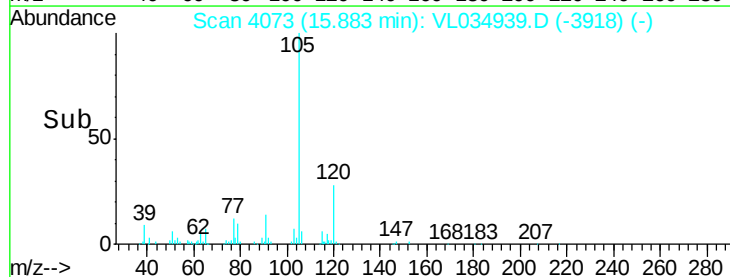
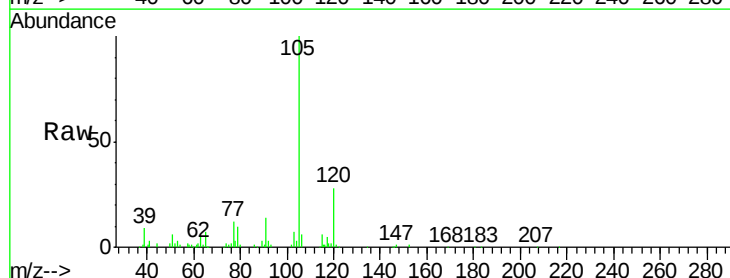
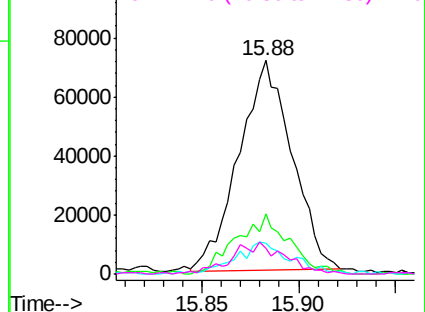
77 15.1 11.6 17.4

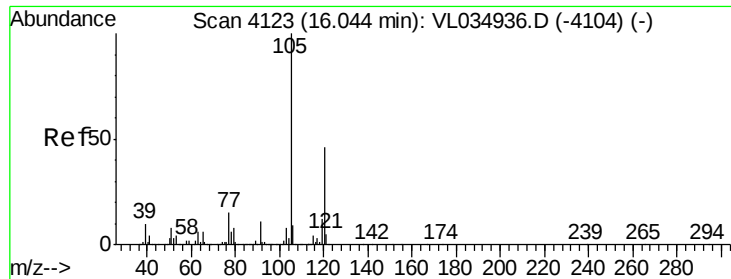
Abundance Ion 105.10 (104.80 to 105.80): V

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





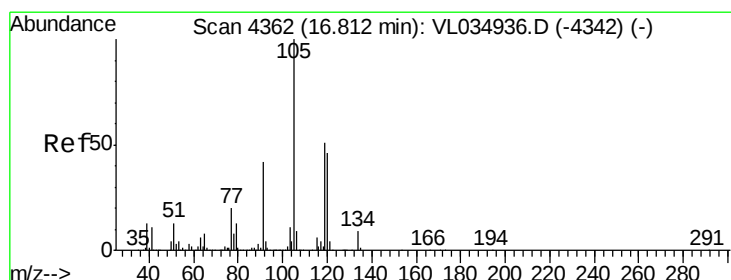
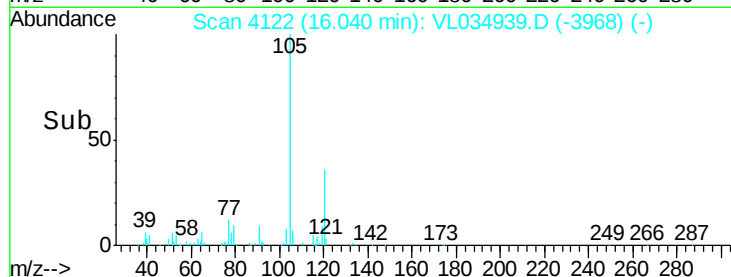
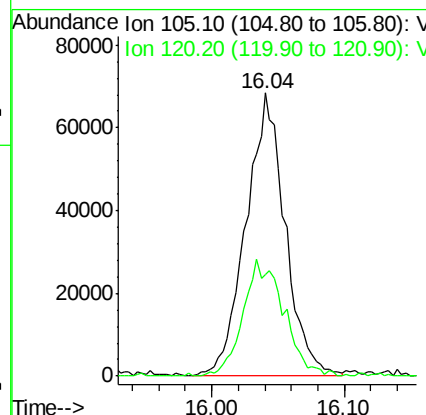
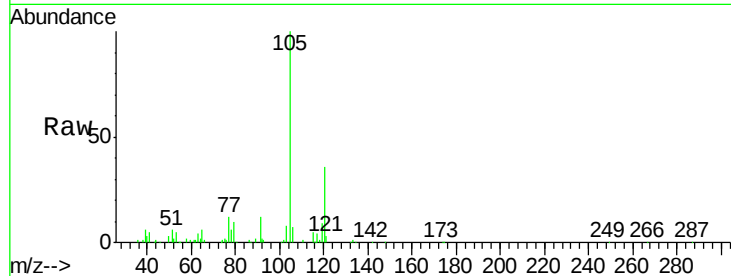
#73
 1,3,5-Trimethylbenzene
 Concen: 0.454 ppbv
 RT: 16.04 min Scan# 4122
 Delta R.T. -0.00 min
 Lab File: VL034939.D
 Acq: 6 May 2020 12:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
105	100		
120	36.1	36.4	54.6#

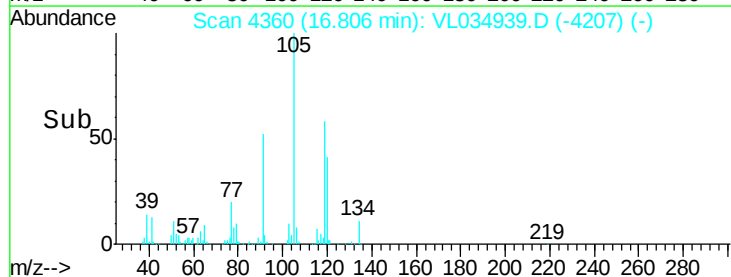
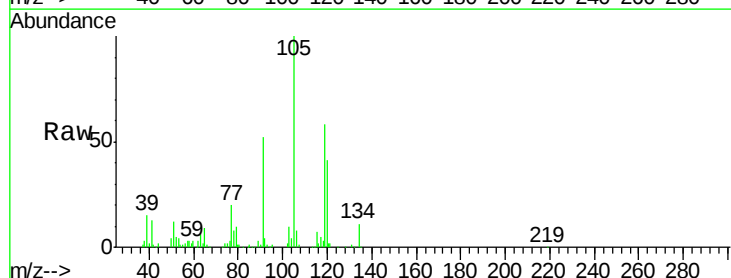
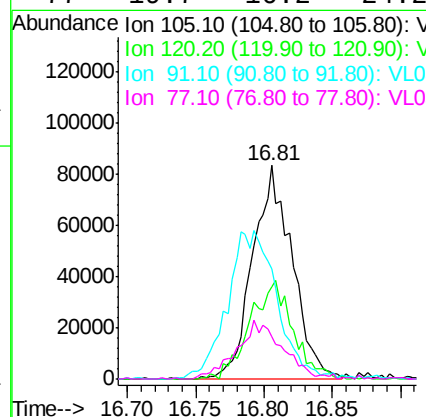
Manual Integrations
 APPROVED

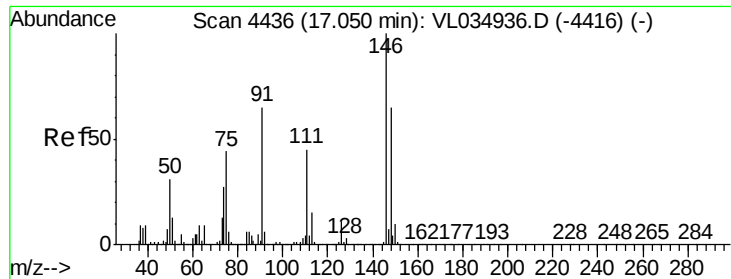
MMDadoda
 5/7/2020 2:29:38 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.525 ppbv
 RT: 16.81 min Scan# 4360
 Delta R.T. -0.01 min
 Lab File: VL034939.D
 Acq: 6 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.9	36.8	55.2
91	49.8	35.4	53.0
77	19.7	16.2	24.2





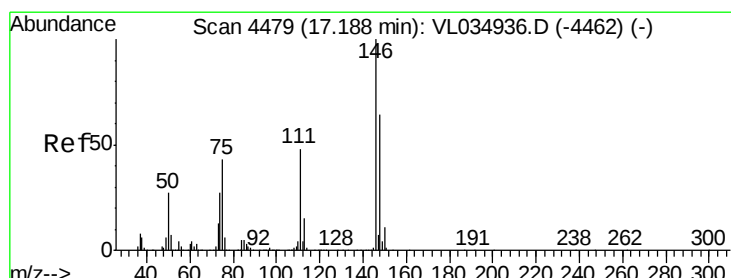
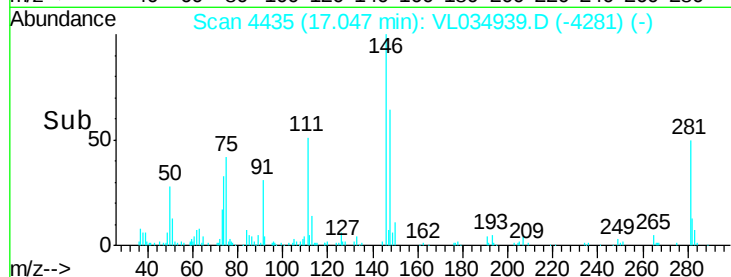
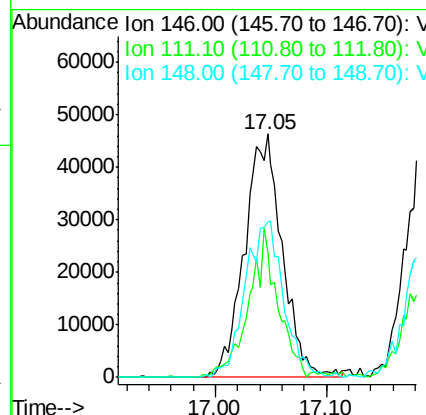
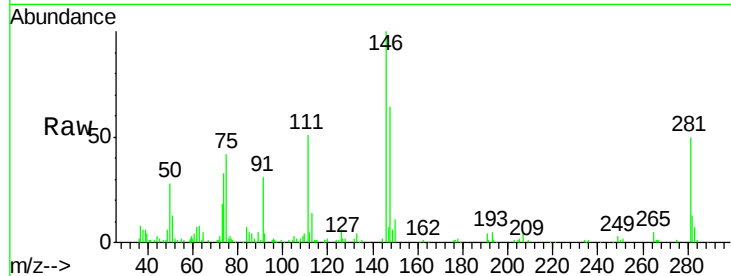
#75
 1,3-Dichlorobenzene
 Concen: 0.568 ppbv m
 RT: 17.05 min Scan# 4435
 Delta R.T. -0.00 min
 Lab File: VL034939.D
 Acq: 6 May 2020 12:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.6	24.0	72.0
148	65.5	32.6	97.7

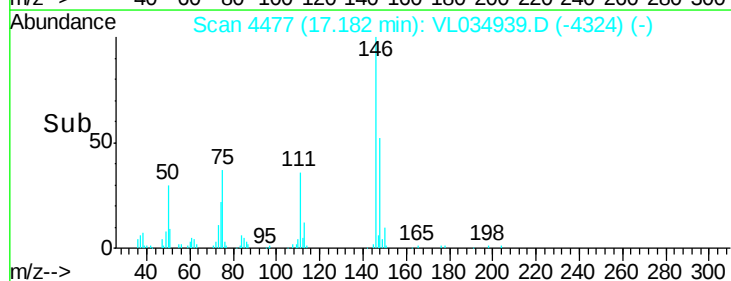
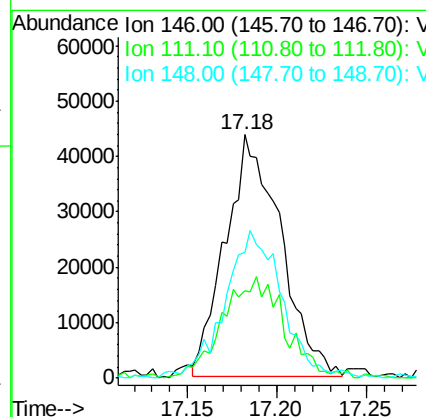
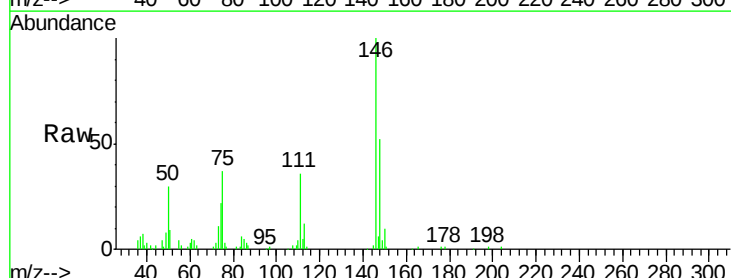
Manual Integrations
 APPROVED

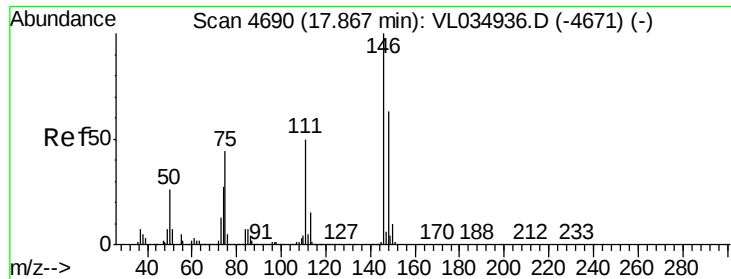
MMDadoda
 5/7/2020 2:29:38 PM



#76
 1,4-Dichlorobenzene
 Concen: 0.489 ppbv
 RT: 17.18 min Scan# 4477
 Delta R.T. -0.01 min
 Lab File: VL034939.D
 Acq: 6 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.0	23.7	71.1
148	62.1	32.6	97.8





#77

1,2-Dichlorobenzene

Concen: 0.517 ppbv m

RT: 17.87 min Scan# 4690

Delta R.T. -0.00 min

Lab File: VL034939.D

Acq: 6 May 2020 12:04

Instrument :

MSVOA_L

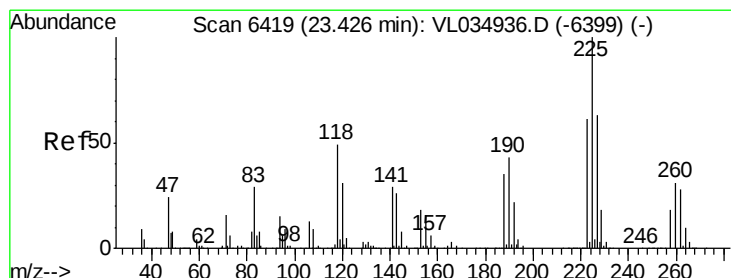
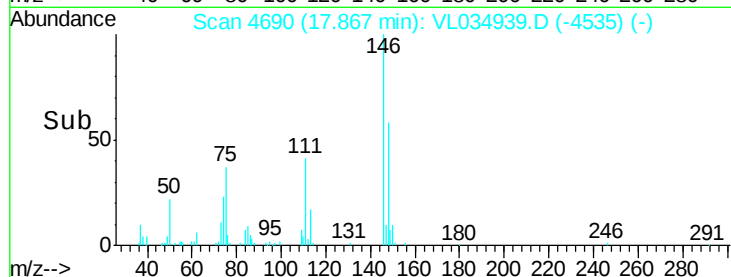
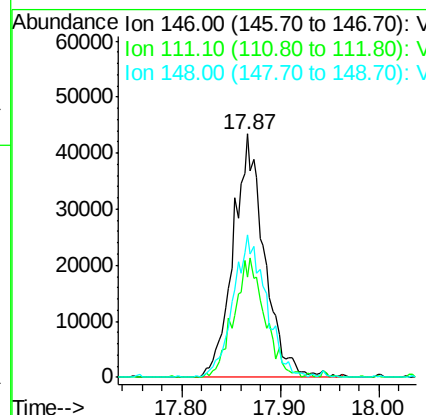
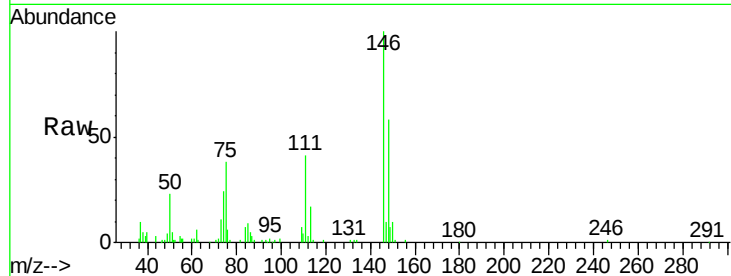
ClientSampleId :

VSTDIC0.5

Tot Ion:	146	Resp:	96400
Ion Ratio	Lower	Upper	
146	100		
111	0.0	24.5	73.5#
148	61.8	31.7	95.1

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#78

Hexachloro-1,3-Butadiene

Concen: 0.572 ppbv m

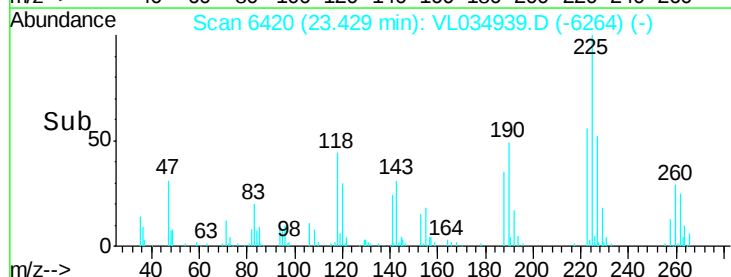
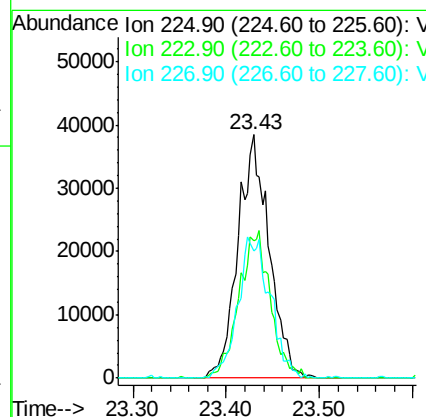
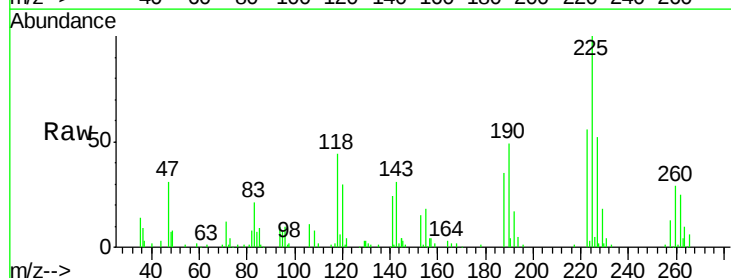
RT: 23.43 min Scan# 6420

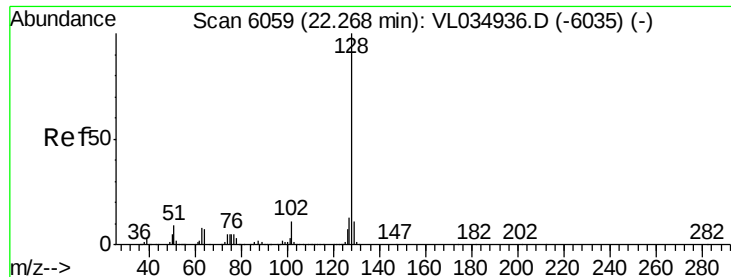
Delta R.T. 0.00 min

Lab File: VL034939.D

Acq: 6 May 2020 12:04

Tgt Ion:	225	Resp:	89149
Ion Ratio	Lower	Upper	
225	100		
223	60.7	49.8	74.8
227	60.1	51.8	77.6





#79

Naphthalene

Concen: 0.376 ppbv m

RT: 22.28 min Scan# 6062

Delta R.T. 0.01 min

Lab File: VL034939.D

Acq: 6 May 2020 12:04

Instrument :

MSVOA_L

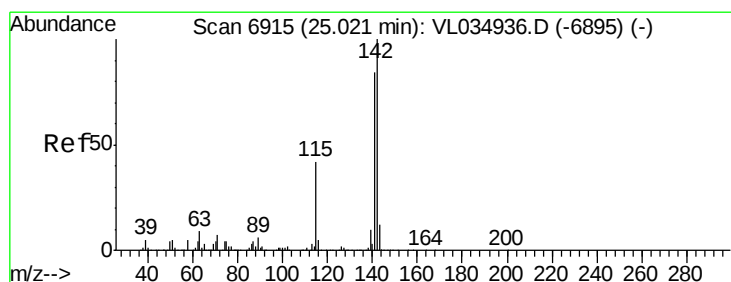
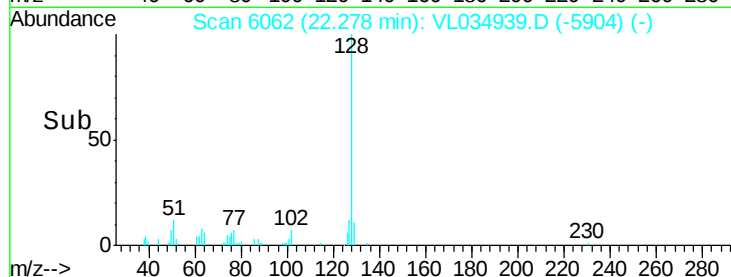
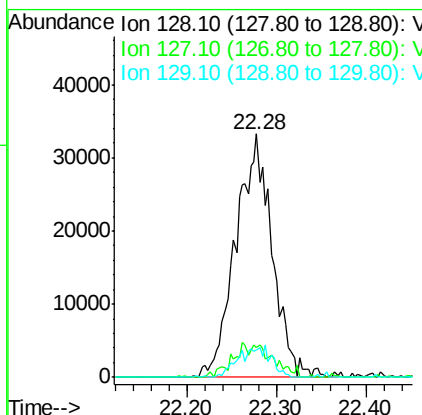
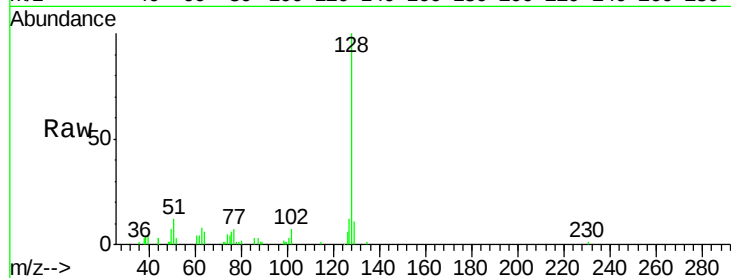
ClientSampleId :

VSTDIC0.5

Tot Ion:	128	Resp:	93559
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.5	15.7
129	11.2	9.0	13.4

Manual Integrations
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#80

Naphthalene, 2-methyl-

Concen: 0.164 ppbv

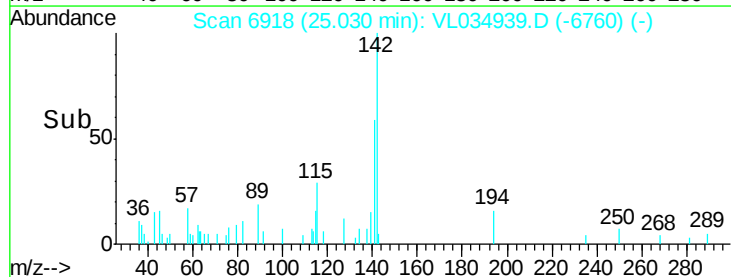
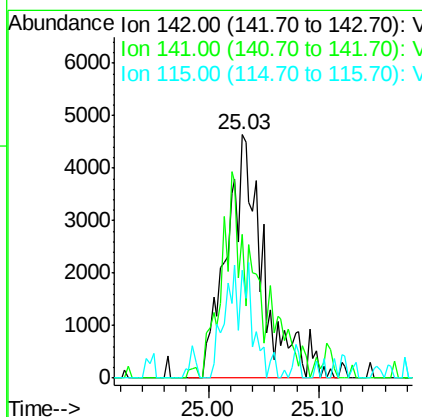
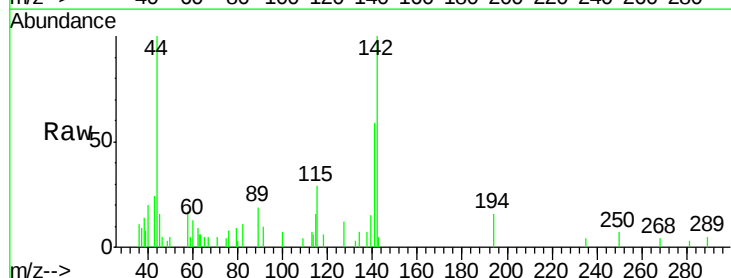
RT: 25.03 min Scan# 6918

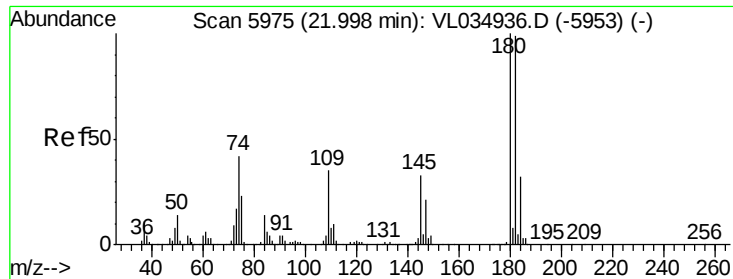
Delta R.T. 0.01 min

Lab File: VL034939.D

Acq: 6 May 2020 12:04

Tgt Ion:	142	Resp:	10692
Ion Ratio	Lower	Upper	
142	100		
141	83.5	68.6	102.8
115	36.4	33.9	50.9





#81
 1,2,4-Trichlorobenzene
 Concen: 0.449 ppbv m
 RT: 22.00 min Scan# 5977
 Delta R.T. 0.01 min
 Lab File: VL034939.D
 Acq: 6 May 2020 12:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	77.5	116.3
184	0.0	24.8	37.2

Manual Integrations
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