

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060719\
 Data File : VL033877.D
 Acq On : 7 Jun 2019 3:59
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 9:18:27 AM

Quant Time: Jun 07 08:52:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 05:42:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	991353	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.27	114	2289227	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.22	117	2193346	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1882418	10.61	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	101954	0.509	ppbv	98
3) Chlorodifluoromethane	3.01	51	63389	0.555	ppbv	100
4) Chloromethane	3.16	50	34898	0.535	ppbv	90
5) Vinyl Chloride	3.29	62	32328	0.486	ppbv	94
6) Bromomethane	3.51	94	21244	0.523	ppbv	90
7) Chloroethane	3.60	64	12743	0.537	ppbv	95
8) Dichlorotetrafluoroethane	3.21	85	90404	0.529	ppbv	98
9) Propene	3.03	41	21453	0.451	ppbv	98
10) Heptane	8.23	43	43266	0.321	ppbv	96
11) Trichlorofluoromethane	3.99	101	108157	0.539	ppbv	86
12) 1,1,2-Trichlorotrifluoroet	4.54	101	75421	0.540	ppbv	96
13) Ethanol	3.64	45	9071m	0.592	ppbv	
14) Bromoethene	3.78	108	25125	0.481	ppbv	95
15) Acetone	3.90	43	83105	0.605	ppbv	100
16) 1,3-Butadiene	3.36	39	27256	0.492	ppbv	96
17) tert-Butyl alcohol	4.36	59	62695	0.549	ppbv	99
18) 1,1-Dichloroethene	4.34	96	30469	0.516	ppbv #	92
19) Isopropyl Alcohol	4.02	45	46801	0.524	ppbv #	93
20) Methylene Chloride	4.40	84	33644	0.631	ppbv	98
21) Allyl Chloride	4.47	41	39107	0.458	ppbv	94
22) trans-1,2-Dichloroethene	4.95	96	32108	0.522	ppbv	92
23) Vinyl Acetate	5.14	43	70787m	0.392	ppbv	
24) 1,1-Dichloroethane	5.08	63	65339	0.472	ppbv	99
25) Ethyl Acetate	5.76	43	106050	0.442	ppbv	99
26) Hexane	5.77	57	48313	0.470	ppbv	93
27) Carbon Disulfide	4.61	76	64196	0.450	ppbv #	81
28) Methyl tert-Butyl Ether	5.11	73	60601	0.356	ppbv	95
29) Chloroform	5.83	83	87491	0.459	ppbv	98
30) Cyclohexane	7.23	84	28374m	0.330	ppbv	
31) cis-1,2-Dichloroethene	5.62	61	36354	0.353	ppbv #	90
32) 1,1,1-Trichloroethane	6.60	97	83887m	0.440	ppbv	
34) 2-Butanone	5.33	43	55624	0.393	ppbv	99
35) Carbon Tetrachloride	7.12	117	86176	0.469	ppbv	98
36) Benzene	6.99	78	72155	0.353	ppbv	96
37) 1,2-Dichloroethane	6.40	62	62326	0.462	ppbv	100
38) Trichloroethene	7.95	130	31042	0.400	ppbv	91
39) 1,2-Dichloropropane	7.72	63	31155m	0.406	ppbv	
40) 1,4-Dioxane	7.97	88	13407m	0.415	ppbv	
41) Tetrahydrofuran	6.16	42	24063m	0.309	ppbv	
42) Bromodichloromethane	7.90	83	77770	0.423	ppbv	92
43) Methyl Methacrylate	8.13	69	22848	0.301	ppbv	88

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

44) 2,2,4-Trimethylpentane	7.98	57	129650	0.372	ppbv	92
45) t-1,3-Dichloropropene	9.40	75	27915m	0.290	ppbv	
46) cis-1,3-Dichloropropene	8.82	75	33158m	0.296	ppbv	
47) 1,1,2-Trichloroethane	9.60	97	37185m	0.423	ppbv	
48) Dibromochloromethane	10.43	129	58653	0.384	ppbv	99
49) Bromoform	13.19	173	48417	0.369	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	73541	0.341	ppbv	91
51) 2-Hexanone	10.27	43	49807m	0.296	ppbv	
52) Tetrachloroethene	11.36	164	28171	0.387	ppbv #	80
53) Toluene	9.93	91	64446	0.290	ppbv	99
54) 1,2-Dibromoethane	10.74	107	50854	0.380	ppbv	89
56) 1,1,1,2-Tetrachloroethane	12.26	131	48737	0.484	ppbv #	1
57) Chlorobenzene	12.28	112	83535	0.468	ppbv	90
58) Ethyl Benzene	12.85	91	85865	0.301	ppbv #	85
59) m/p-Xylene	13.13	91	178247m	0.711	ppbv	
60) o-Xylene	13.83	91	93682	0.367	ppbv	99
61) Styrene	13.67	104	46408	0.273	ppbv	98
62) Isopropylbenzene	14.81	105	131405	0.383	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.81	83	92027	0.493	ppbv	99
64) n-propylbenzene	15.71	120	30503	0.344	ppbv	80
65) tert-Butylbenzene	16.90	119	111882	0.357	ppbv	90
66) Benzyl Chloride	17.14	91	56466m	0.377	ppbv	
67) sec-Butylbenzene	17.44	105	158012	0.360	ppbv	99
69) p-Isopropyltoluene	17.80	119	126335	0.348	ppbv	96
70) n-Butylbenzene	18.70	91	147325m	0.377	ppbv	
71) 2-Chlorotoluene	15.60	91	84365	0.332	ppbv	97
72) 4-Ethyltoluene	15.99	105	94279	0.324	ppbv #	95
73) 1,3,5-Trimethylbenzene	16.14	105	100877	0.354	ppbv	94
74) 1,2,4-Trimethylbenzene	16.90	105	132006	0.425	ppbv #	89
75) 1,3-Dichlorobenzene	17.15	146	95599	0.501	ppbv	98
76) 1,4-Dichlorobenzene	17.29	146	74883	0.414	ppbv	94
77) 1,2-Dichlorobenzene	17.97	146	80722m	0.450	ppbv	
78) Hexachloro-1,3-Butadiene	23.53	225	75276	0.560	ppbv	99
79) Naphthalene	22.39	128	80821	0.290	ppbv	98
80) Naphthalene, 2-methyl-	25.11	142	41745	0.416	ppbv	97
81) 1,2,4-Trichlorobenzene	22.12	180	59654m	0.358	ppbv	

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

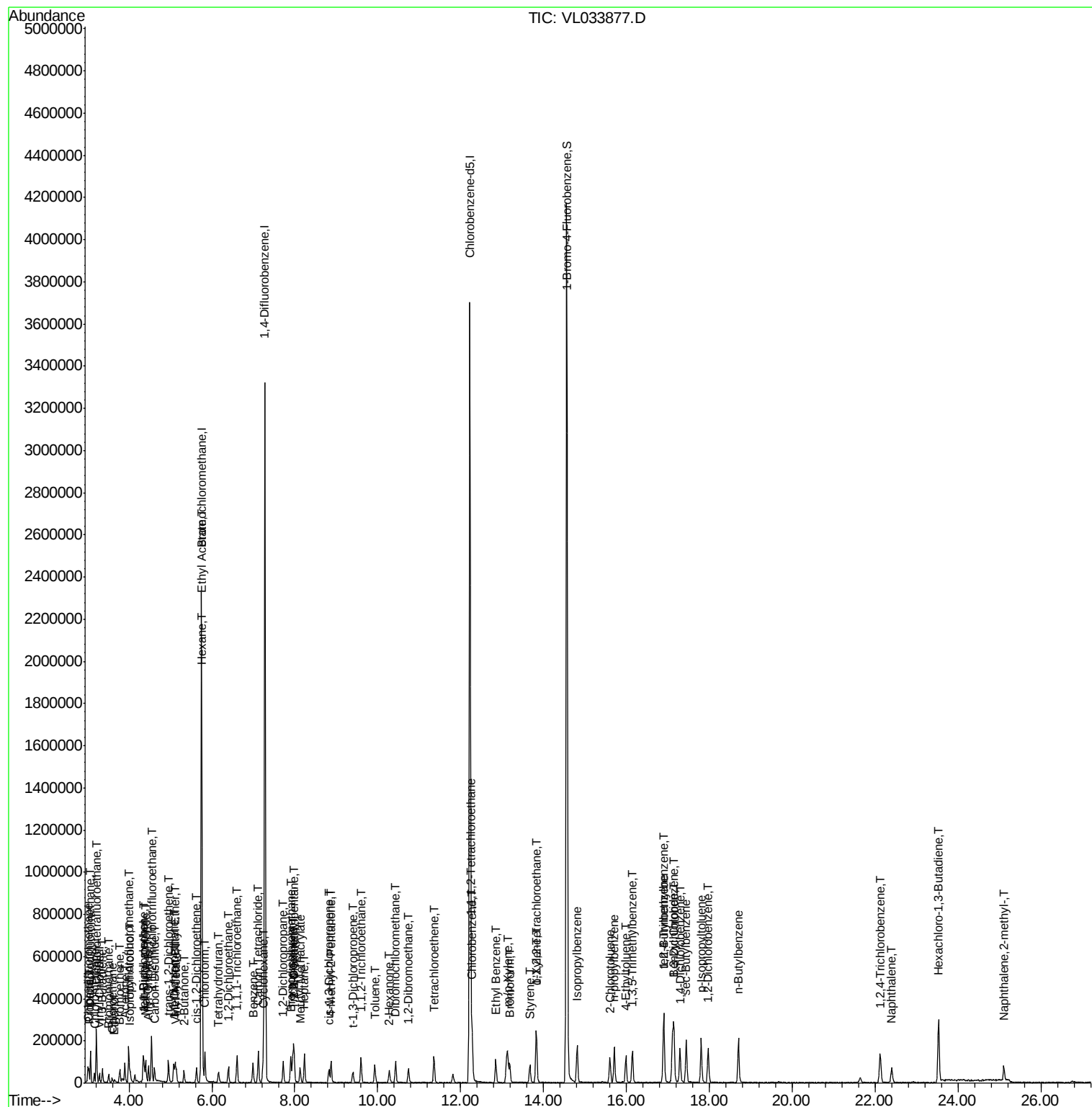
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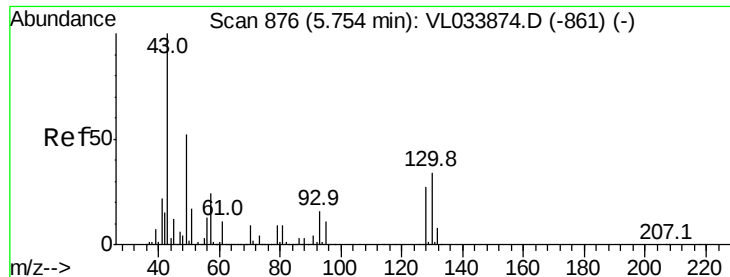
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 874

Delta R.T. -0.01 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 49 Resp: 991353

Ion Ratio Lower Upper

49 100

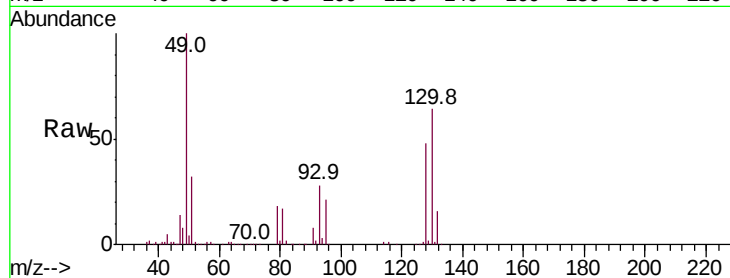
128 49.5 25.5 76.5

130 64.1 32.5 97.4

Manual Integrations
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MMDadoda

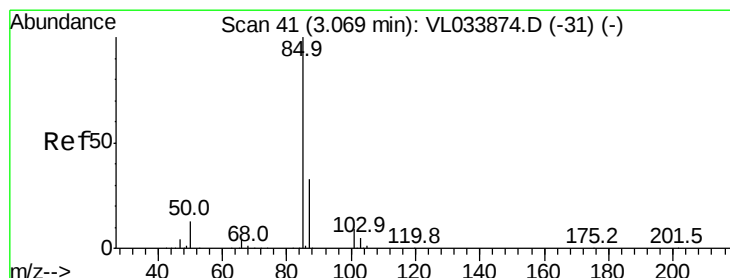
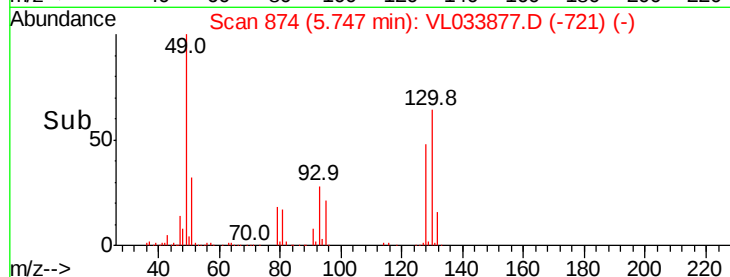
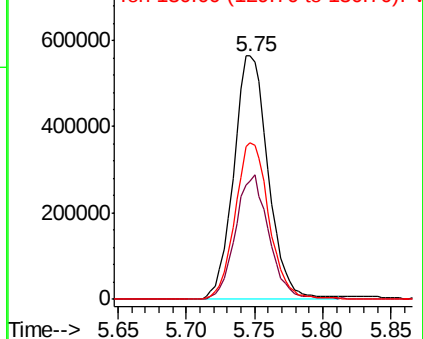
6/11/2019 9:18:27 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.509 ppbv

RT: 3.07 min Scan# 42

Delta R.T. 0.00 min

Lab File: VL033877.D

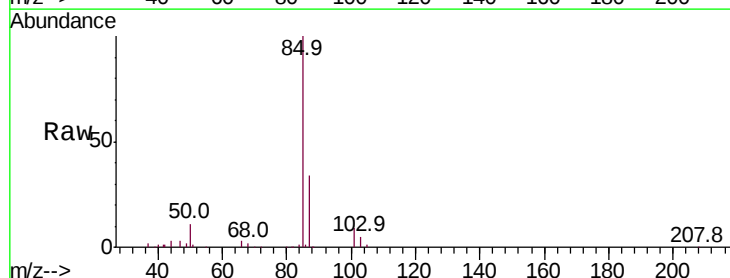
Acq: 7 Jun 2019 3:59

Tgt Ion: 85 Resp: 101954

Ion Ratio Lower Upper

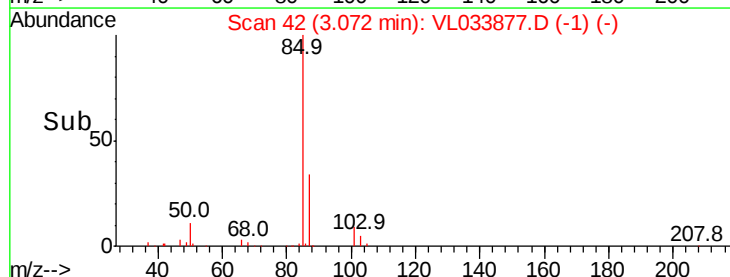
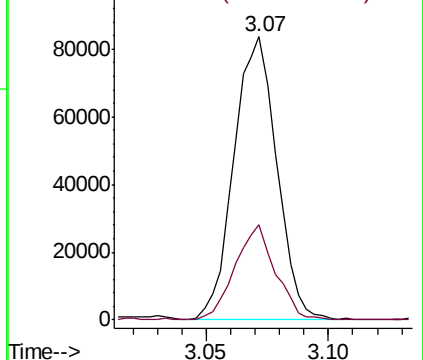
85 100

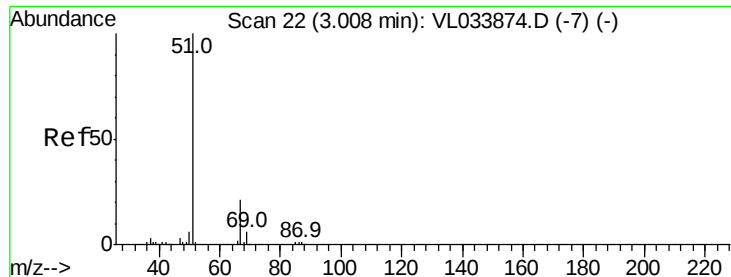
87 34.3 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.555 ppbv

RT: 3.01 min Scan# 22

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 51 Resp: 63389

Ion Ratio Lower Upper

51 100

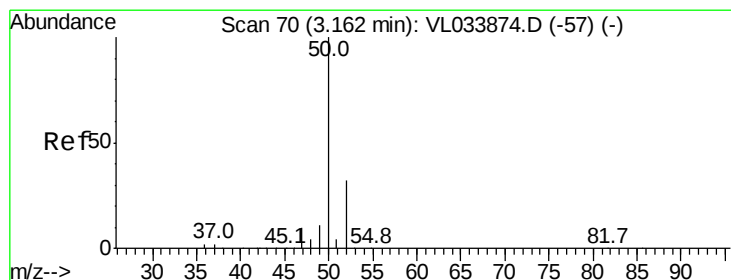
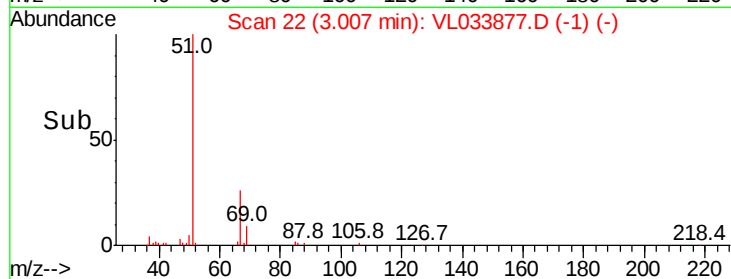
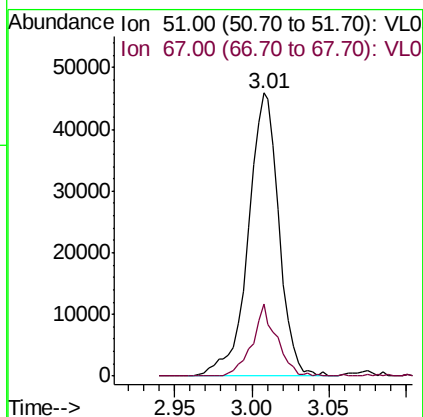
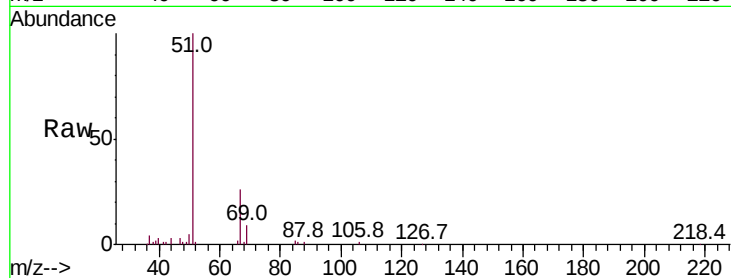
67 20.4 16.4 24.6

Manual Integrations

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#4

Chloromethane

Concen: 0.535 ppbv

RT: 3.16 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL033877.D

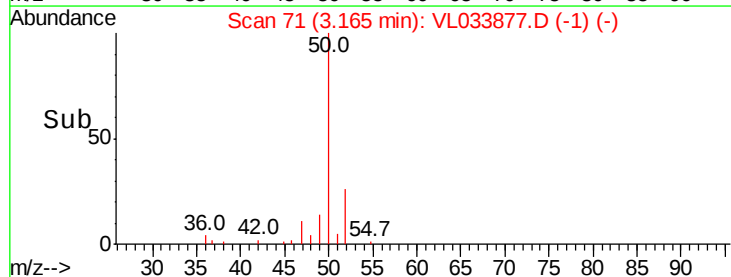
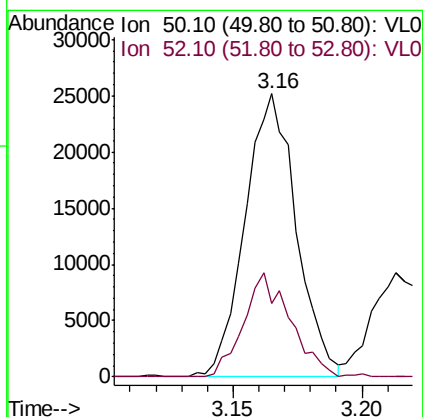
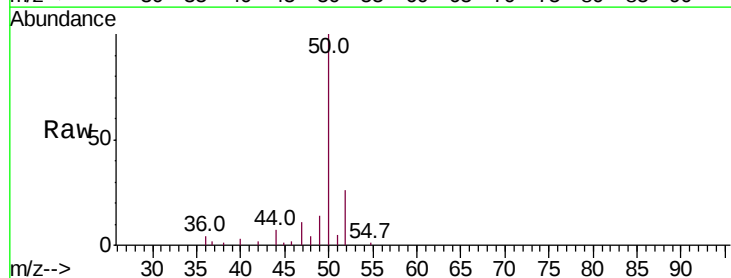
Acq: 7 Jun 2019 3:59

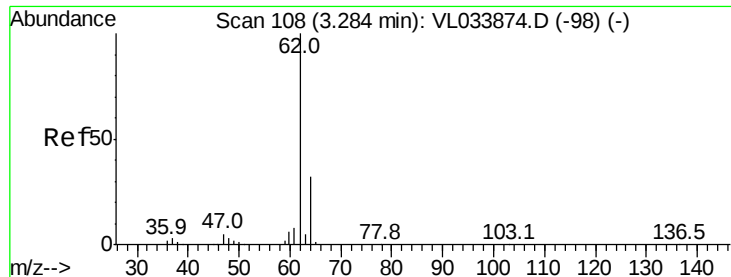
Tgt Ion: 50 Resp: 34898

Ion Ratio Lower Upper

50 100

52 26.0 25.4 38.0





#5

Vinyl Chloride

Concen: 0.486 ppbv

RT: 3.29 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 32328

Ion Ratio Lower Upper

62 100

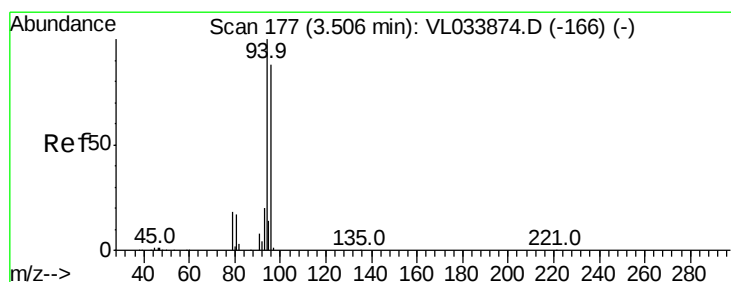
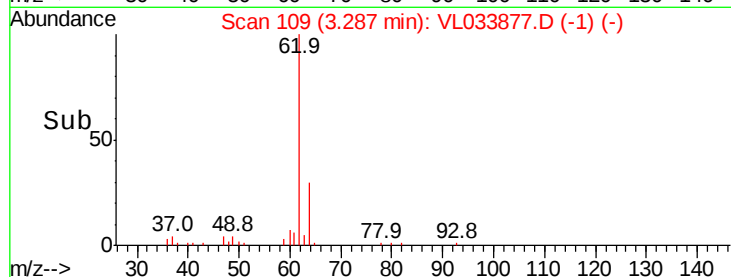
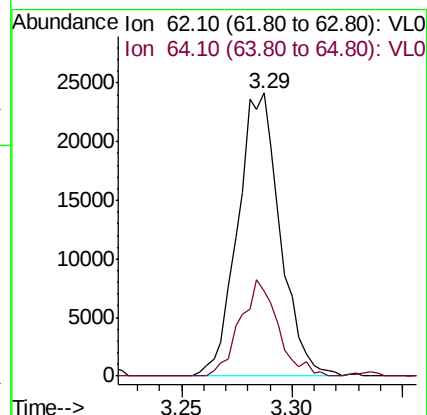
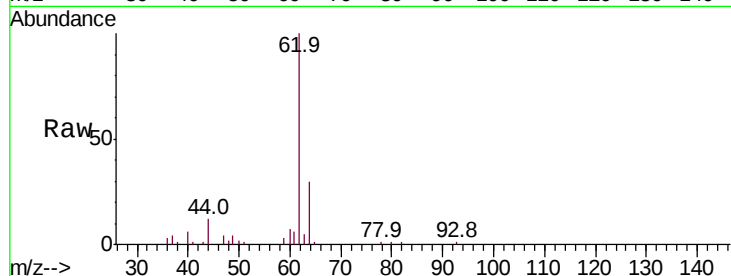
64 28.4 25.2 37.8

Manual Integrations

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#6

Bromomethane

Concen: 0.523 ppbv

RT: 3.51 min Scan# 178

Delta R.T. 0.00 min

Lab File: VL033877.D

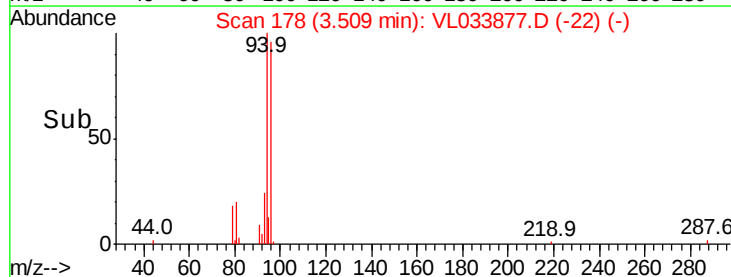
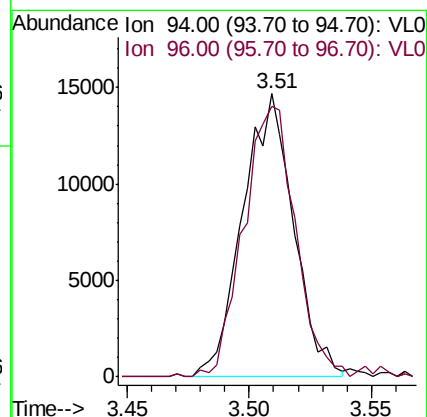
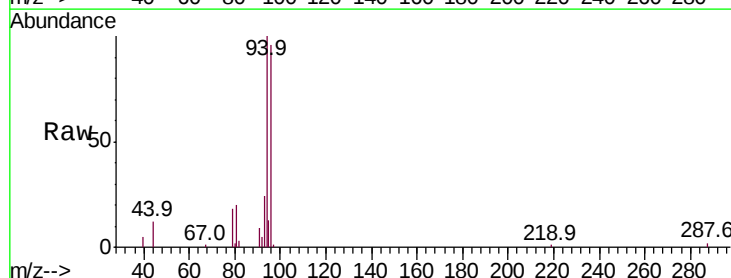
Acq: 7 Jun 2019 3:59

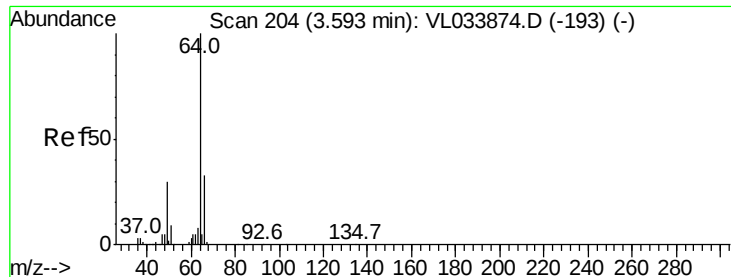
Tgt Ion: 94 Resp: 21244

Ion Ratio Lower Upper

94 100

96 97.0 70.2 105.2





#7

Chloroethane

Concen: 0.537 ppbv

RT: 3.60 min Scan# 205

Delta R.T. 0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 12743

Ion Ratio Lower Upper

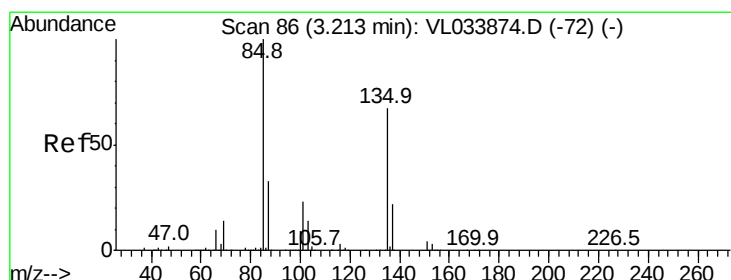
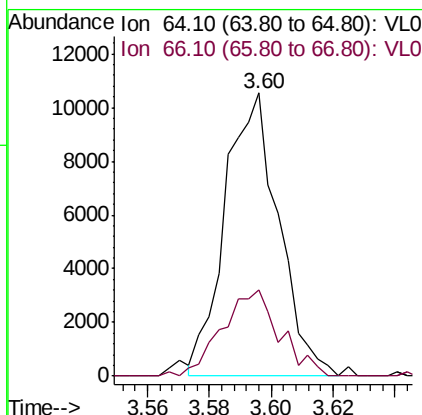
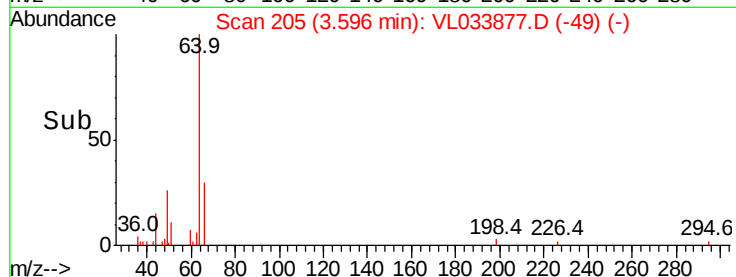
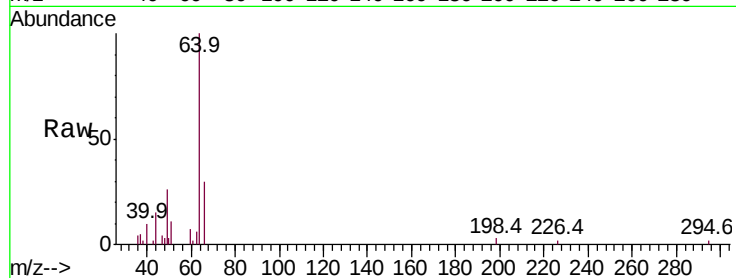
64 100

66 30.3 26.7 40.1

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#8

Dichlorotetrafluoroethane

Concen: 0.529 ppbv

RT: 3.21 min Scan# 85

Delta R.T. -0.00 min

Lab File: VL033877.D

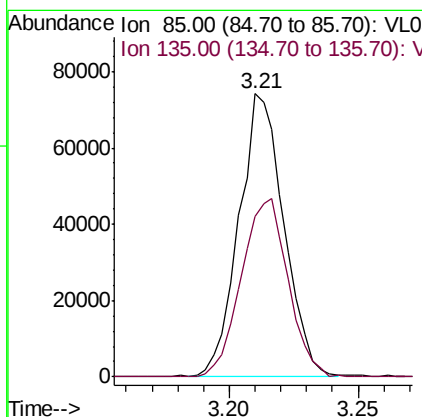
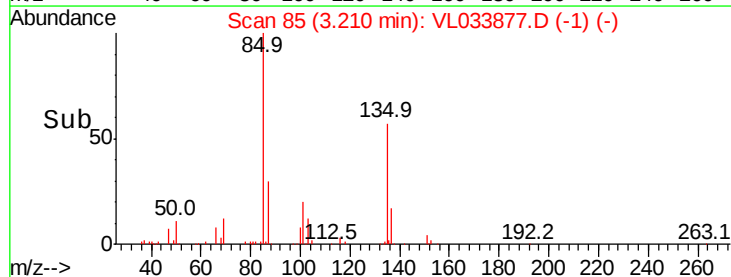
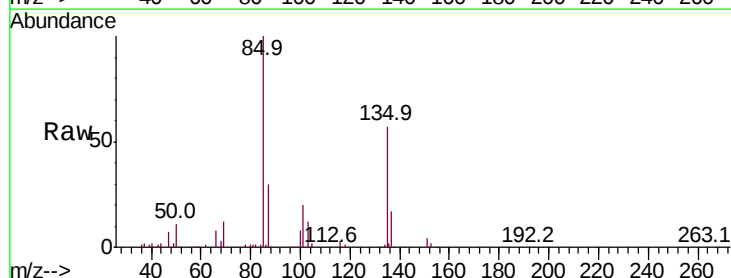
Acq: 7 Jun 2019 3:59

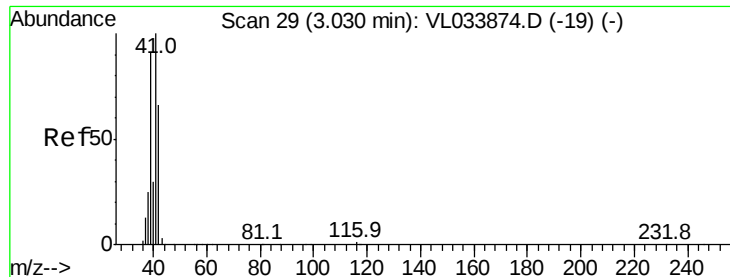
Tgt Ion: 85 Resp: 90404

Ion Ratio Lower Upper

85 100

135 65.7 53.7 80.5





#9

Propene

Concen: 0.451 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 21453

Ion Ratio Lower Upper

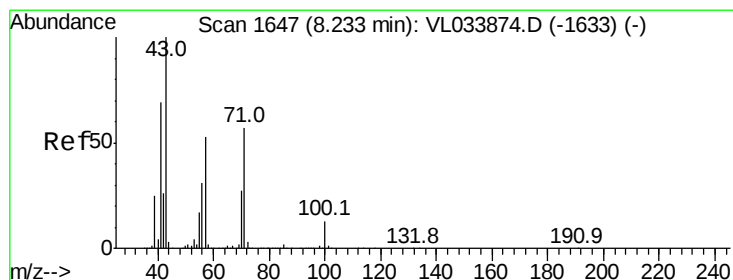
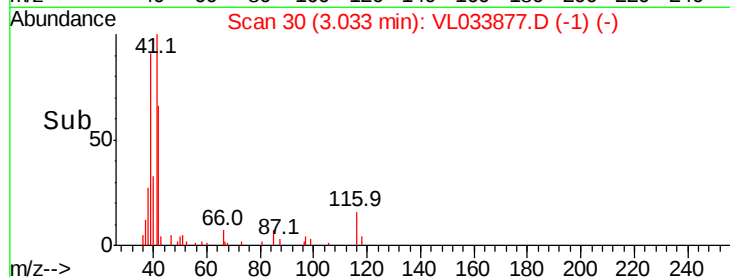
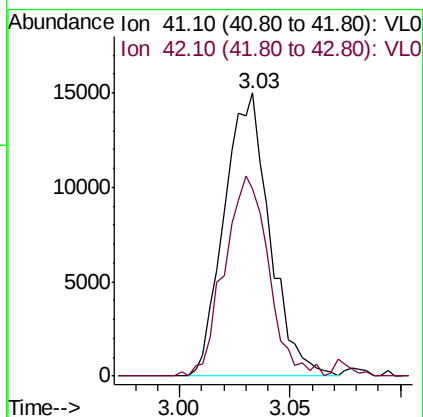
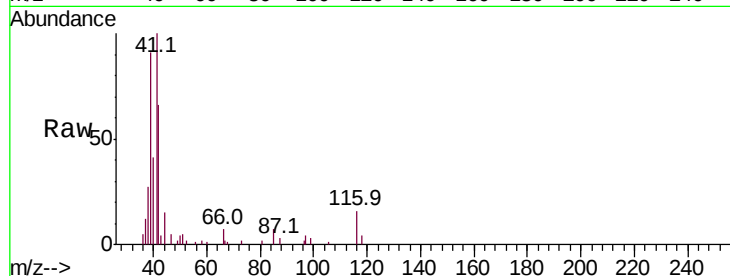
41 100

42 68.7 56.3 84.5

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#10

Heptane

Concen: 0.321 ppbv

RT: 8.23 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VL033877.D

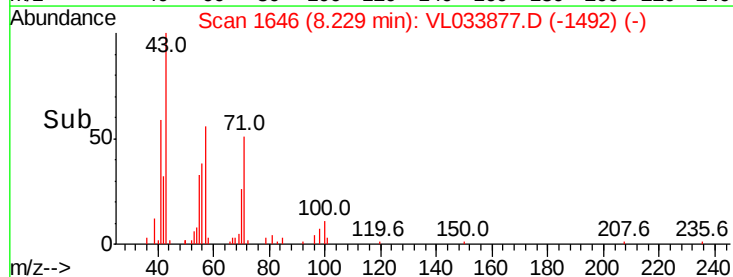
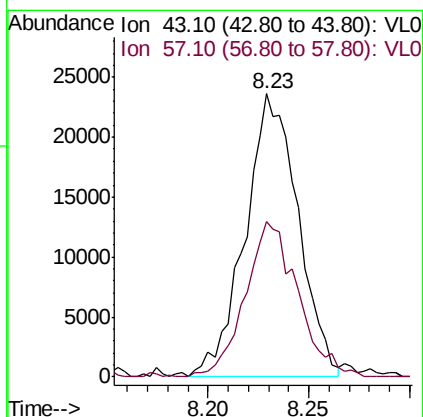
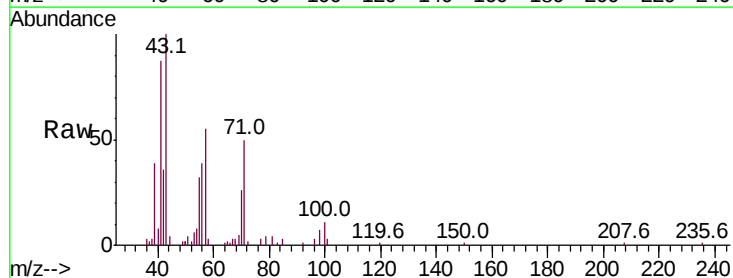
Acq: 7 Jun 2019 3:59

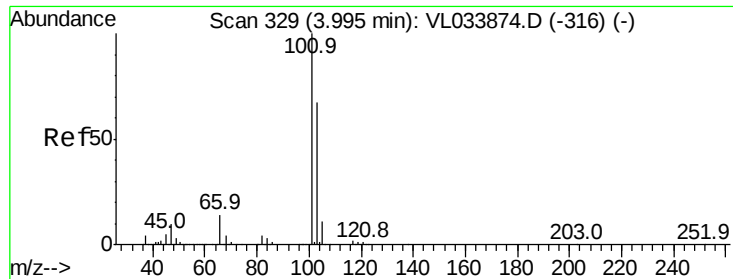
Tgt Ion: 43 Resp: 43266

Ion Ratio Lower Upper

43 100

57 54.6 41.7 62.5





#11

Trichlorofluoromethane

Concen: 0.539 ppbv

RT: 3.99 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:101 Resp: 108157

Ion Ratio Lower Upper

101 100

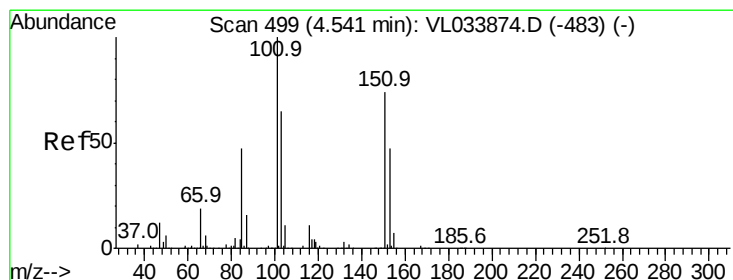
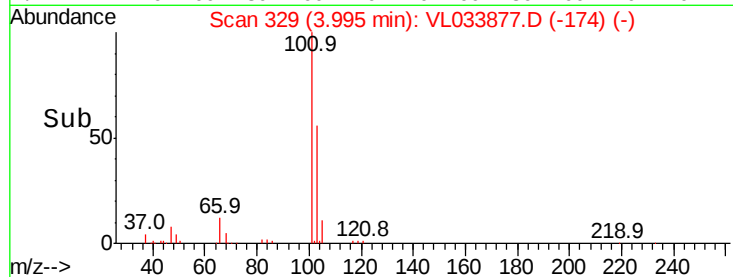
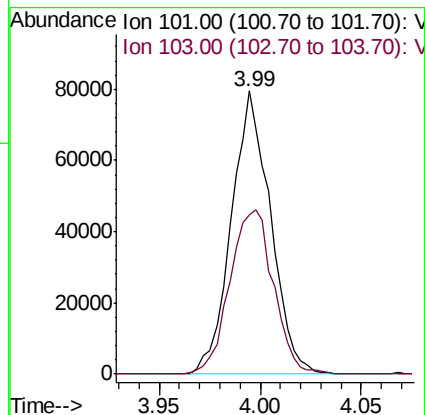
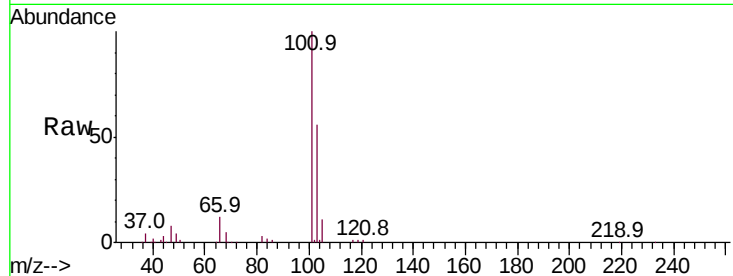
103 56.2 53.6 80.4

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.540 ppbv

RT: 4.54 min Scan# 500

Delta R.T. 0.00 min

Lab File: VL033877.D

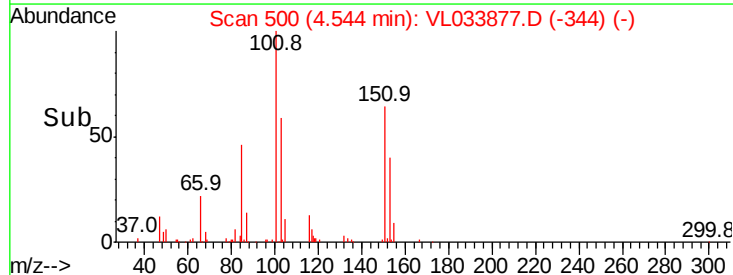
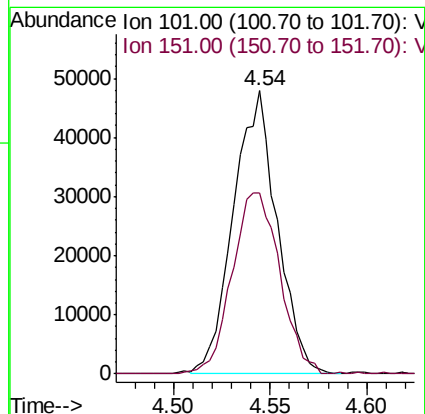
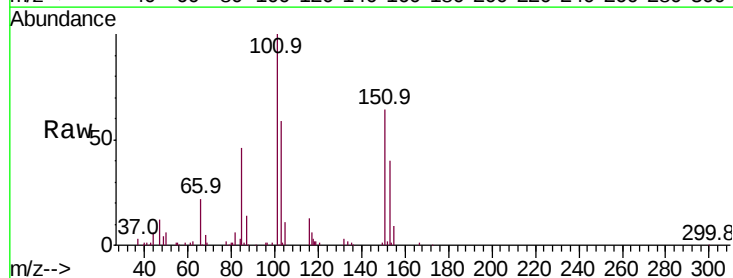
Acq: 7 Jun 2019 3:59

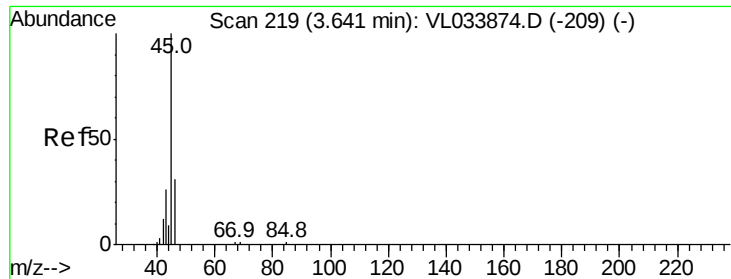
Tgt Ion:101 Resp: 75421

Ion Ratio Lower Upper

101 100

151 70.0 58.6 87.8





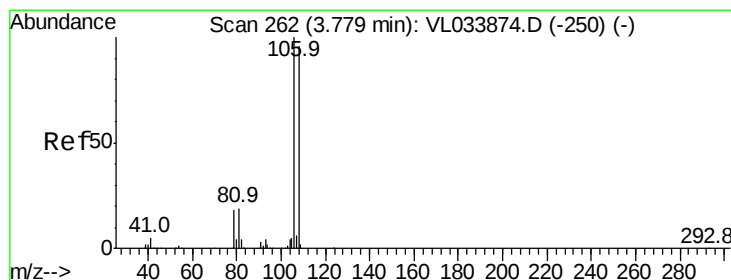
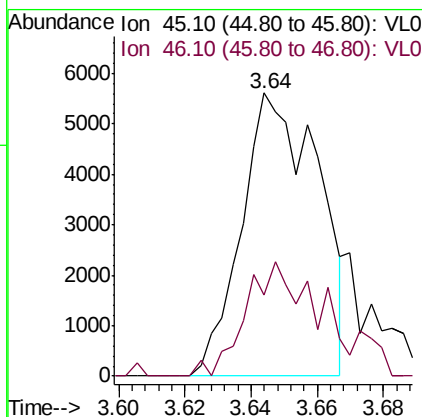
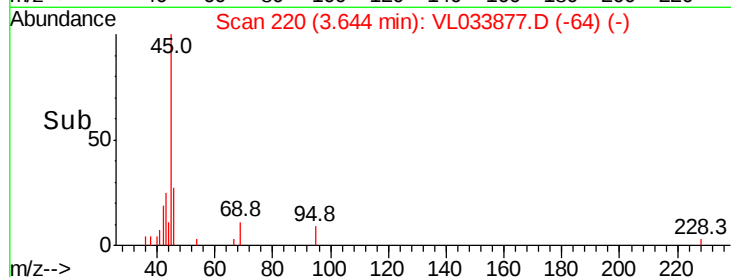
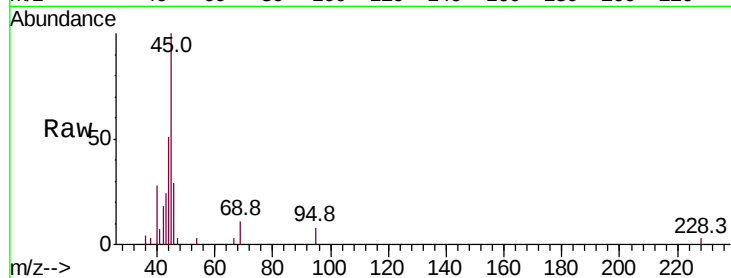
#13
Ethanol
Concen: 0.592 ppbv m
RT: 3.64 min Scan# 220
Delta R.T. 0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 45 Resp: 9071
Ion Ratio Lower Upper
45 100
46 42.5 15.3 61.1

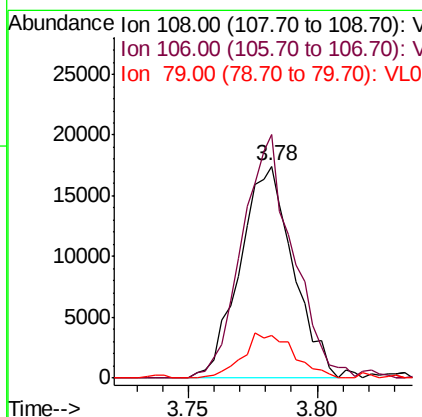
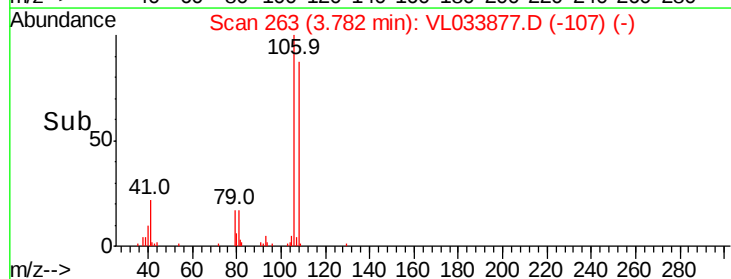
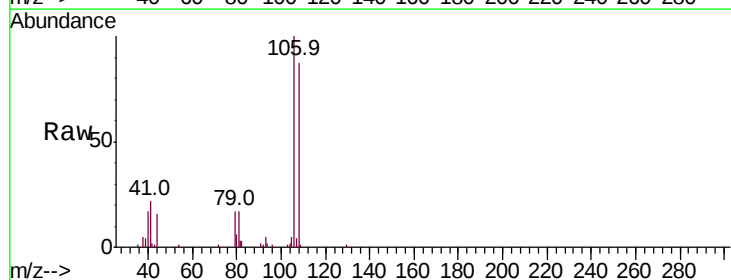
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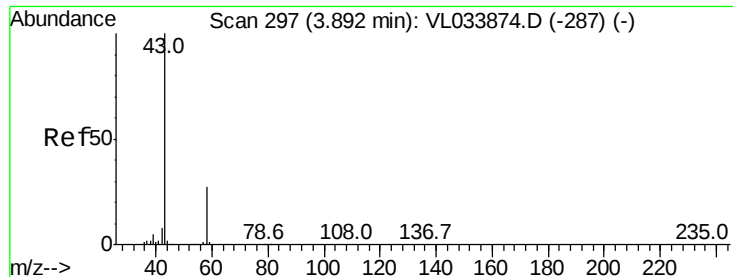
MMDadoda
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#14
Bromoethene
Concen: 0.481 ppbv
RT: 3.78 min Scan# 263
Delta R.T. 0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Tgt Ion: 108 Resp: 25125
Ion Ratio Lower Upper
108 100
106 111.3 84.9 127.3
79 21.4 15.4 23.0





#15

Acetone

Concen: 0.605 ppbv

RT: 3.90 min Scan# 299

Delta R.T. 0.01 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 83105

Ion Ratio Lower Upper

43 100

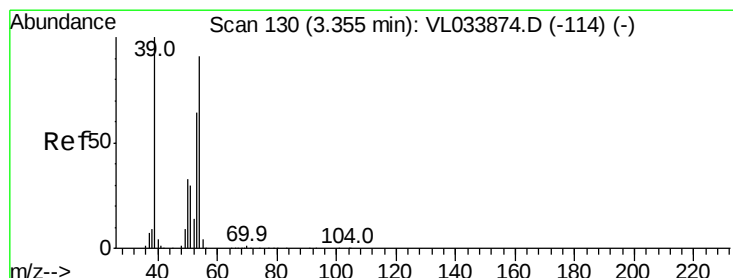
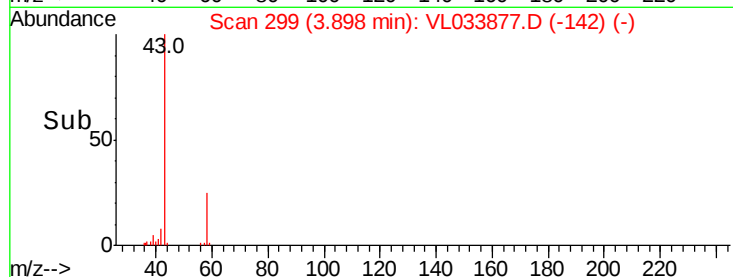
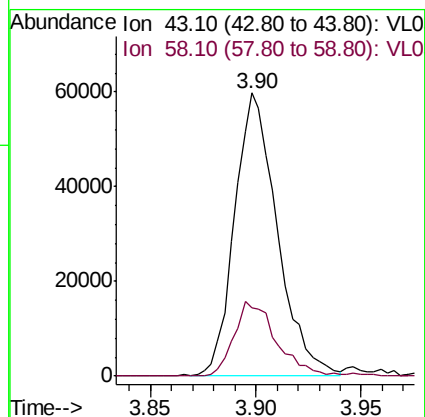
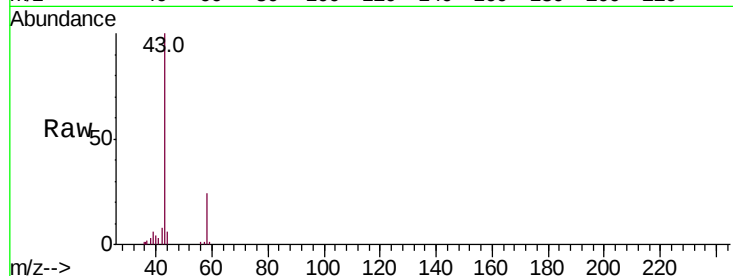
58 26.7 21.3 31.9

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#16

1,3-Butadiene

Concen: 0.492 ppbv

RT: 3.36 min Scan# 131

Delta R.T. 0.00 min

Lab File: VL033877.D

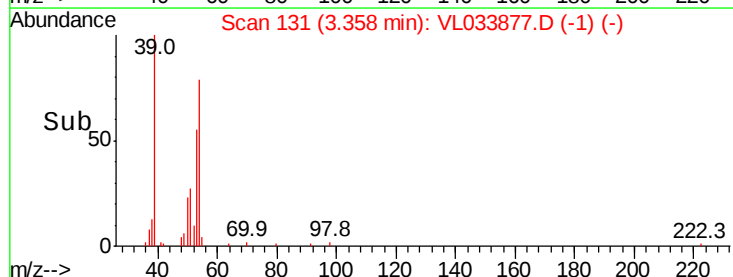
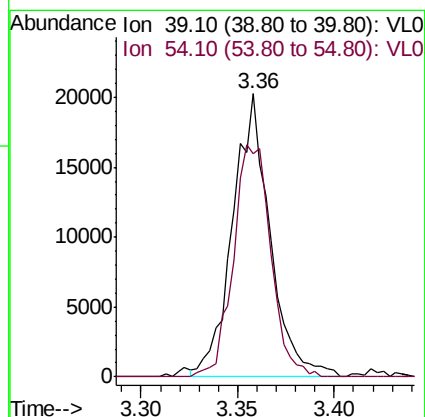
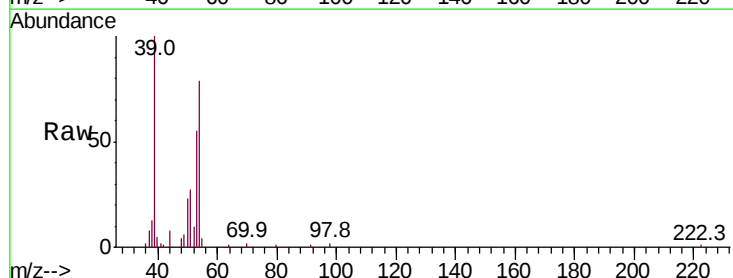
Acq: 7 Jun 2019 3:59

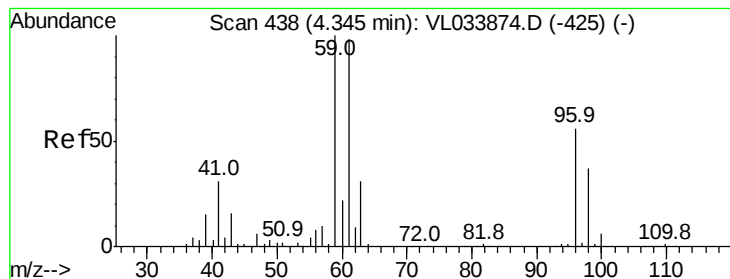
Tgt Ion: 39 Resp: 27256

Ion Ratio Lower Upper

39 100

54 81.8 68.6 103.0





#17

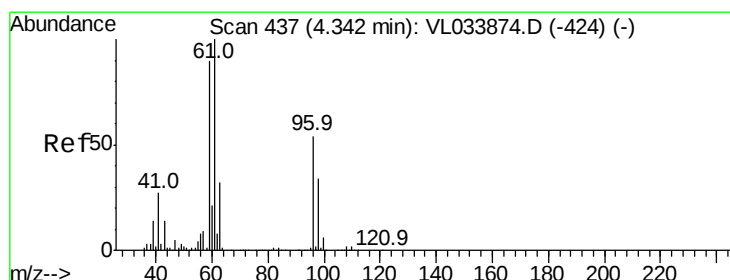
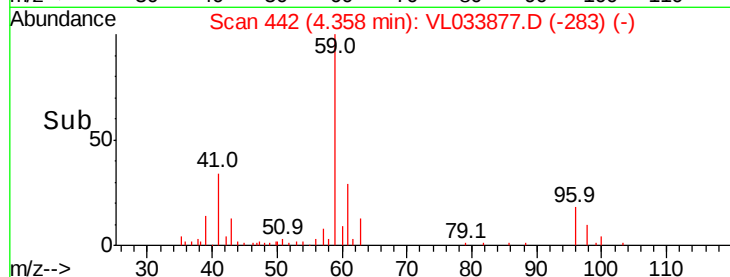
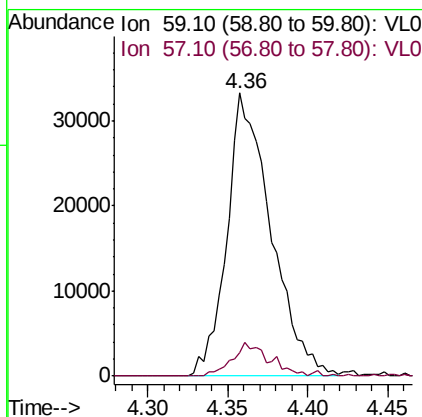
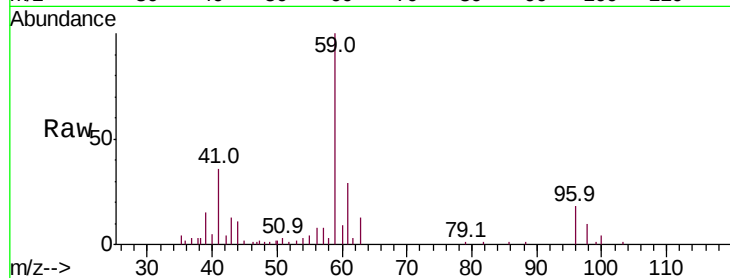
tert-Butyl alcohol
Concen: 0.549 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.01 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.4	12.6

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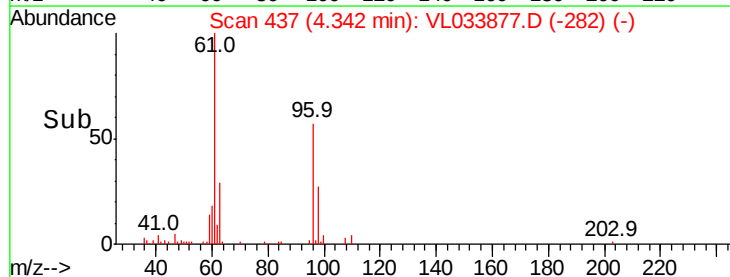
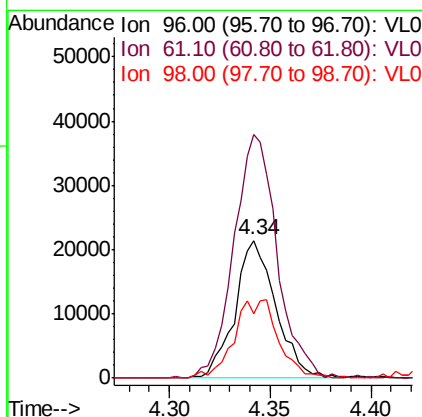
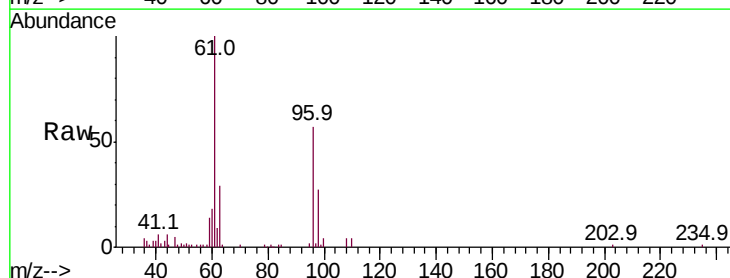
MMDadoda
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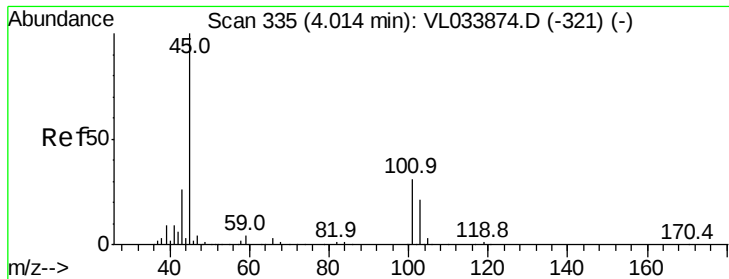


#18

1,1-Dichloroethene
Concen: 0.516 ppbv
RT: 4.34 min Scan# 437
Delta R.T. -0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.0	147.0	220.6
98	48.1	49.4	74.0#





#19

Isopropyl Alcohol

Concen: 0.524 ppbv

RT: 4.02 min Scan# 338

Delta R.T. 0.01 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 46801

Ion Ratio Lower Upper

45 100

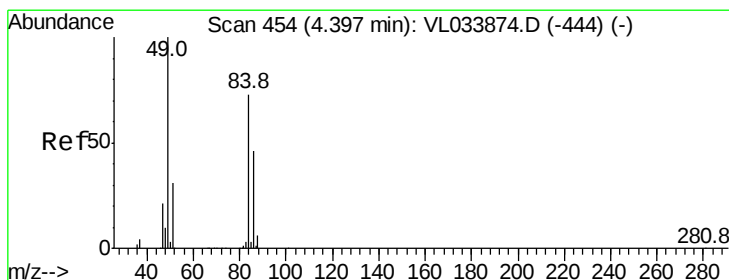
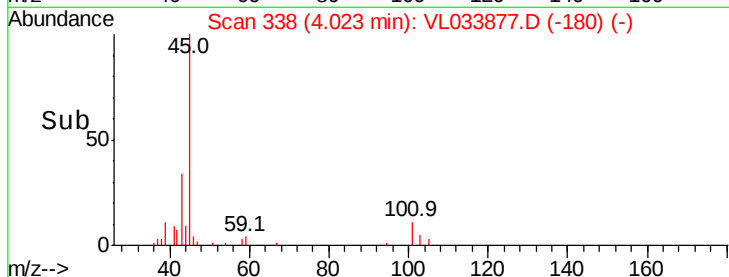
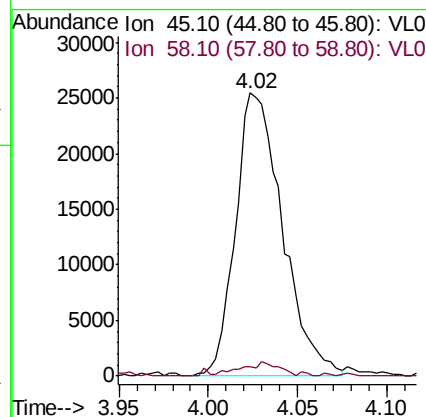
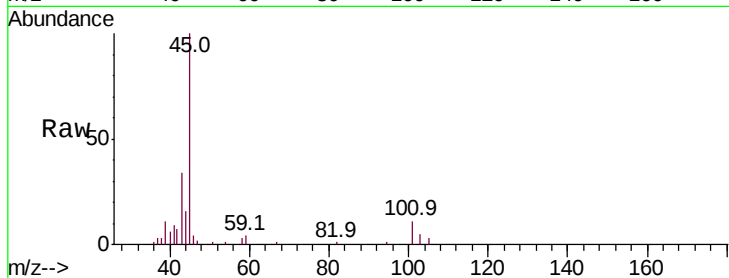
58 4.7 1.8 2.6#

Manual Integrations

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#20

Methylene Chloride

Concen: 0.631 ppbv

RT: 4.40 min Scan# 455

Delta R.T. 0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Tgt Ion: 84 Resp: 33644

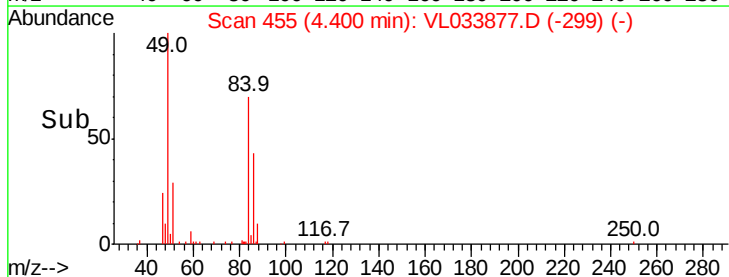
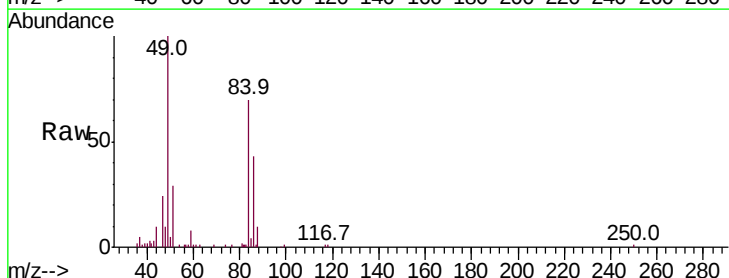
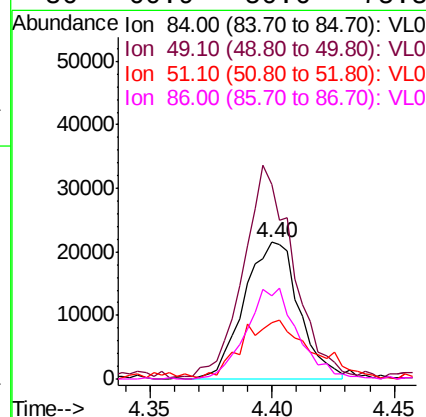
Ion Ratio Lower Upper

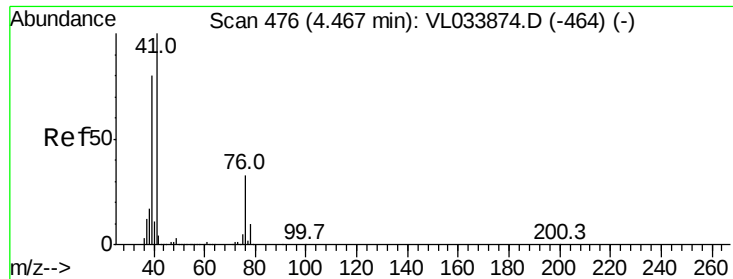
84 100

49 137.2 110.0 165.0

51 39.2 34.6 51.8

86 60.9 50.6 75.8





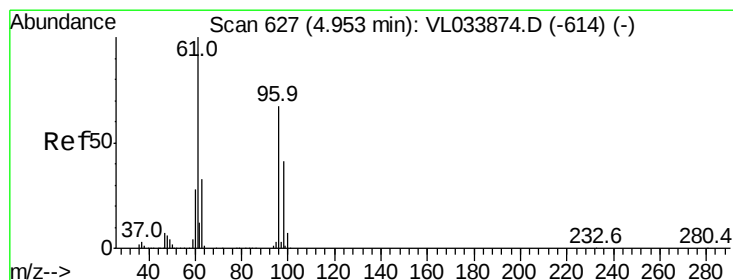
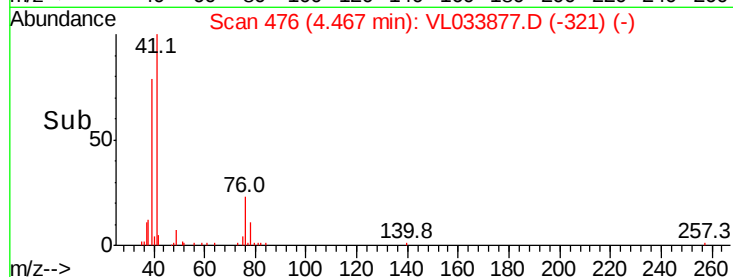
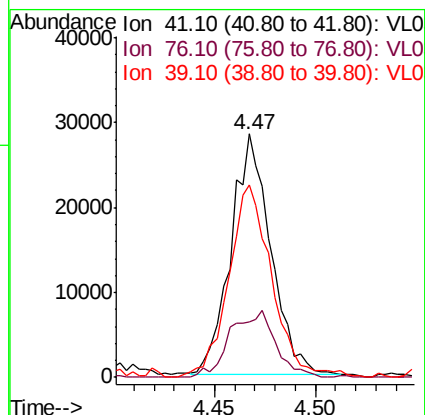
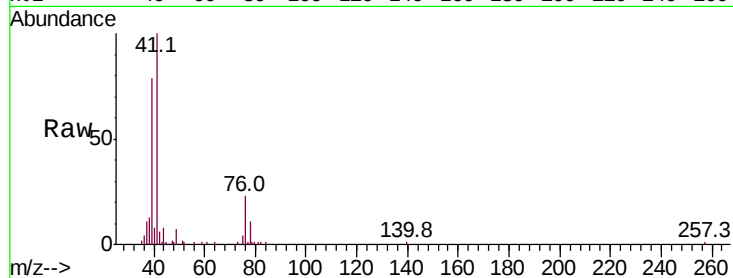
#21
Allvl Chloride
Concen: 0.458 ppbv
RT: 4.47 min Scan# 476
Delta R.T. -0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
76	31.7	26.6	39.8
39	87.5	65.2	97.8

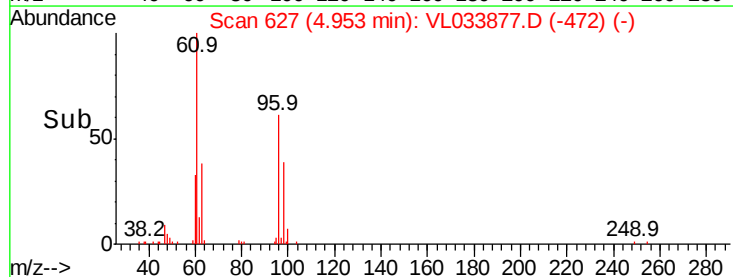
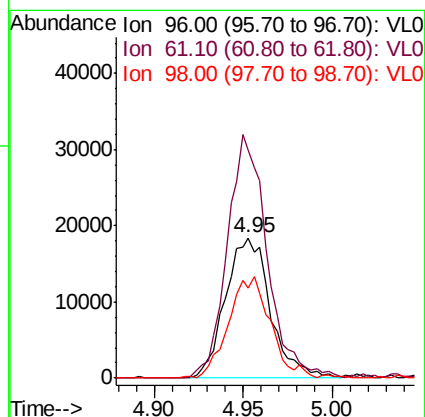
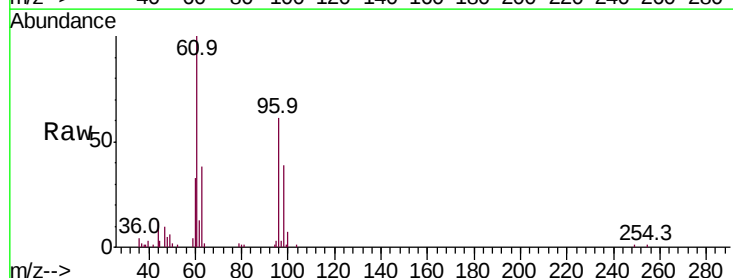
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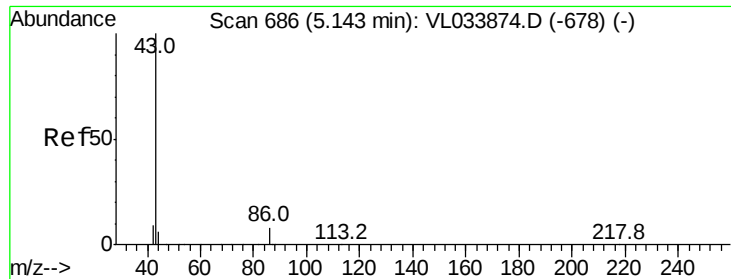
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#22
trans-1,2-Dichloroethene
Concen: 0.522 ppbv
RT: 4.95 min Scan# 627
Delta R.T. -0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.9	119.0	178.6
98	63.2	48.3	72.5





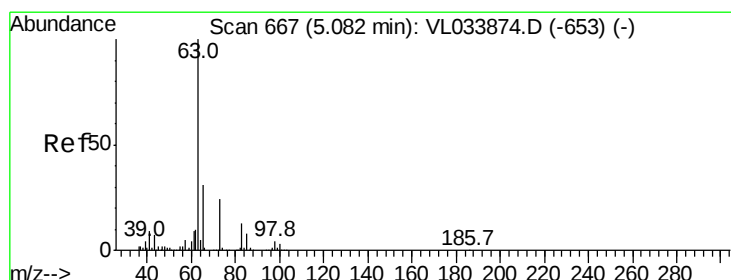
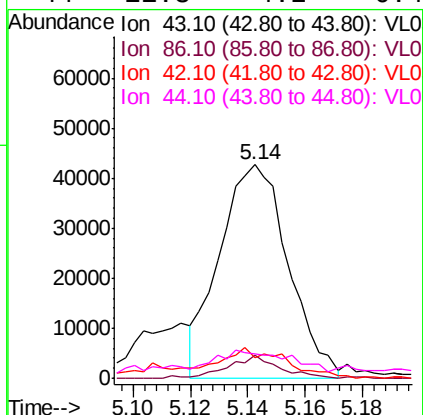
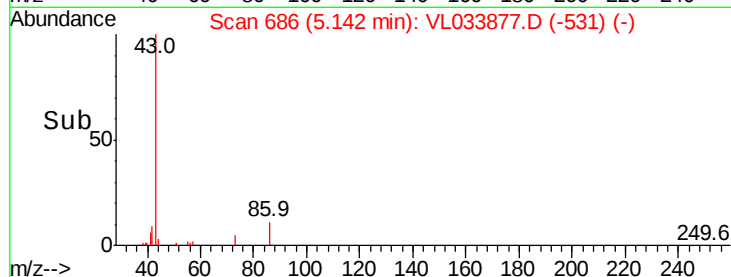
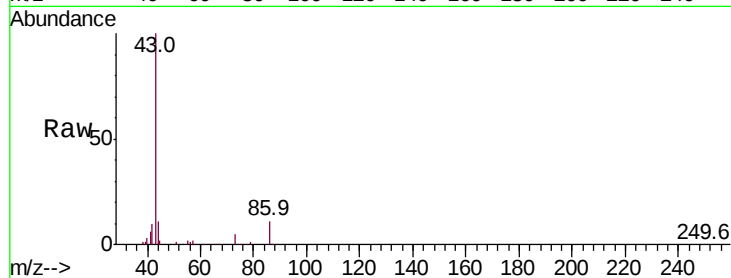
#23
 Vinyl Acetate
 Concen: 0.392 ppbv m
 RT: 5.14 min Scan# 686
 Delta R.T. -0.00 min
 Lab File: VL033877.D
 Acq: 7 Jun 2019 3:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
86	11.1	5.8	8.8#	
42	9.8	7.8	11.8	
44	11.3	4.2	6.4#	

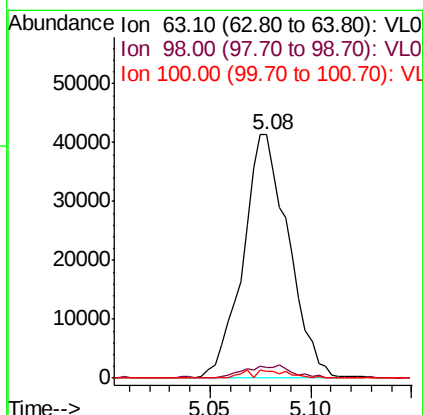
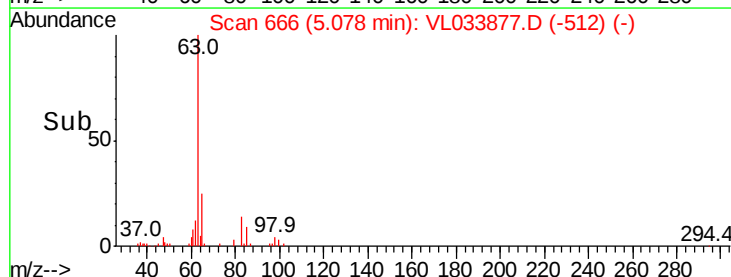
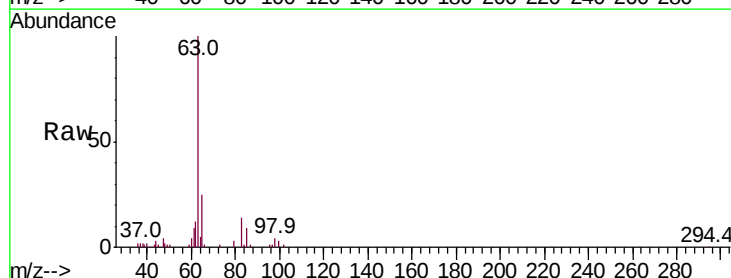
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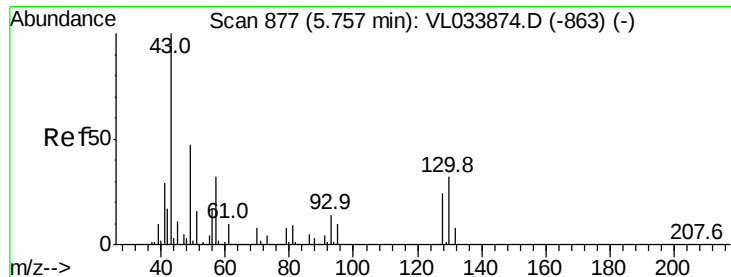
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#24
 1,1-Dichloroethane
 Concen: 0.472 ppbv
 RT: 5.08 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VL033877.D
 Acq: 7 Jun 2019 3:59

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	4.2	2.2	6.6	
100	2.7	1.3	3.8	





#25

Ethyl Acetate

Concen: 0.442 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.01 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 106050

Ion Ratio Lower Upper

43 100

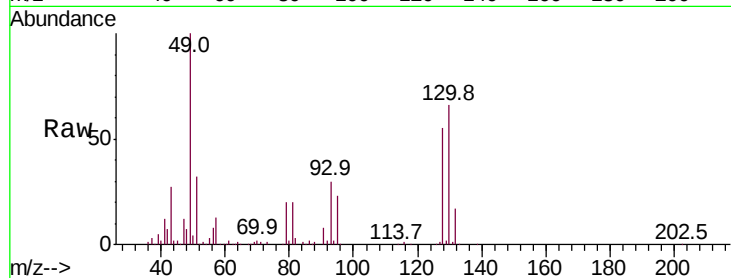
45 10.0 7.9 11.9

61 9.7 7.8 11.6

70 6.8 5.8 8.6

Manual Integrations
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MMDadoda
6/11/2019 9:18:27 AM

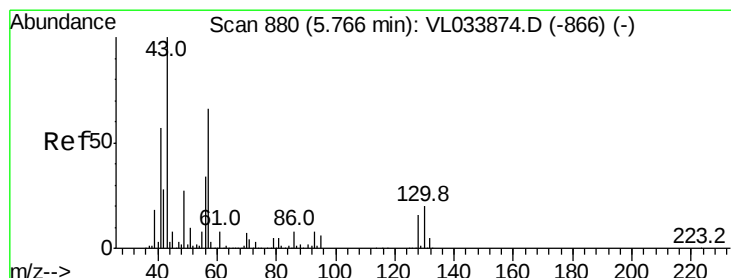
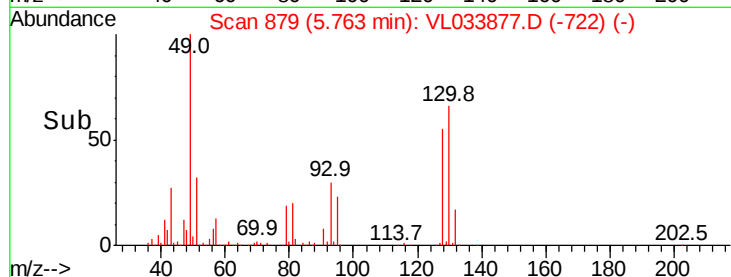
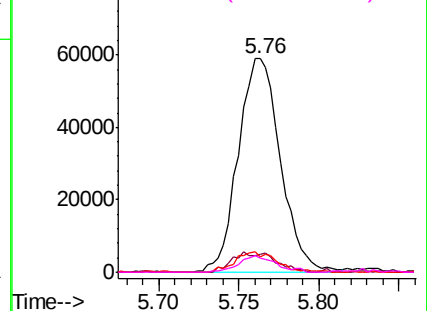


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.470 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Tgt Ion: 57 Resp: 48313

Ion Ratio Lower Upper

57 100

41 101.3 71.4 107.2

43 222.7 183.7 275.5

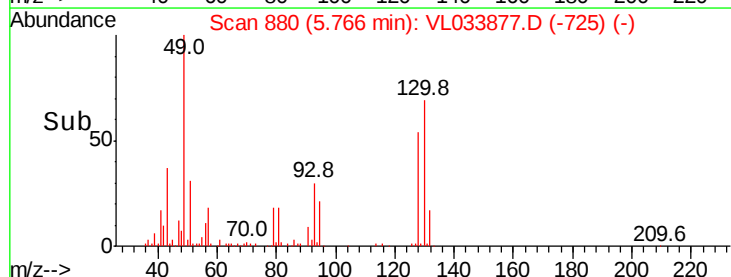
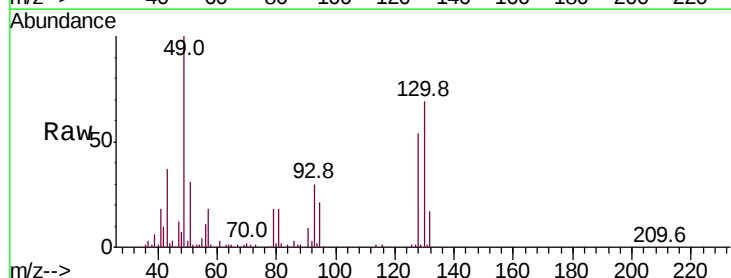
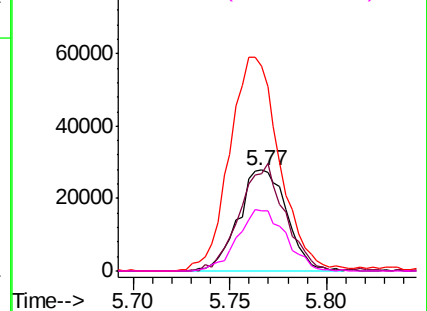
56 60.6 42.7 64.1

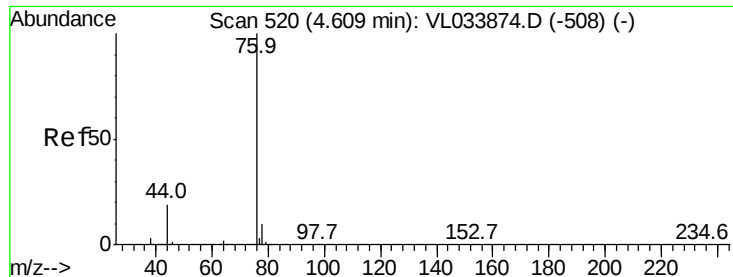
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.450 ppbv

RT: 4.61 min Scan# 521

Delta R.T. 0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

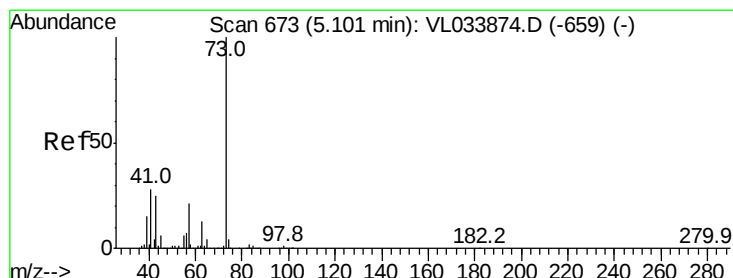
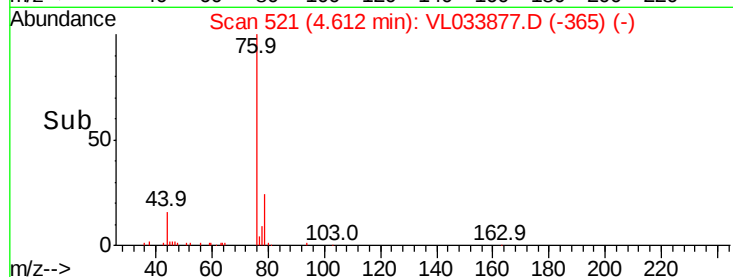
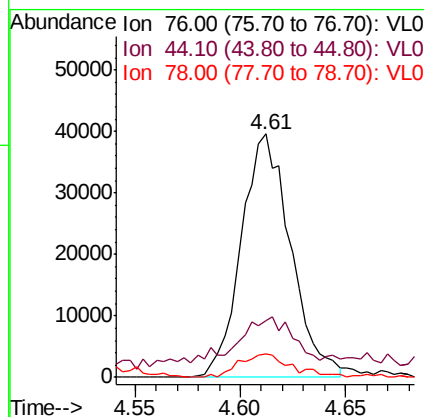
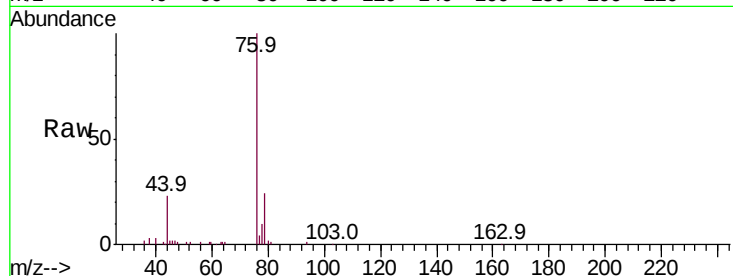
ClientSampleId :

VSTDIC0.5

Tot Ion:	76	Resp:	64196
Ion Ratio	Lower	Upper	
76	100		
44	29.6	14.4	21.6#
78	10.9	7.5	11.3

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#28

Methyl tert-Butyl Ether

Concen: 0.356 ppbv

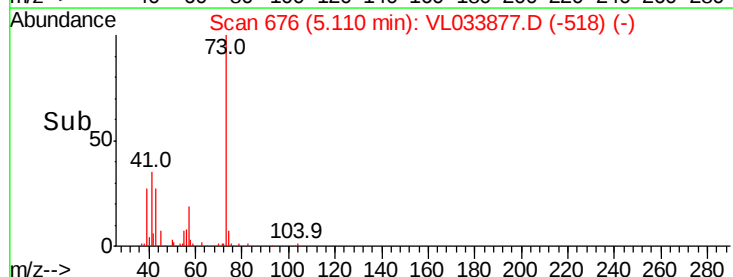
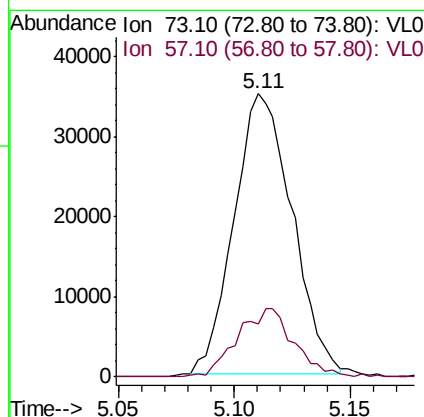
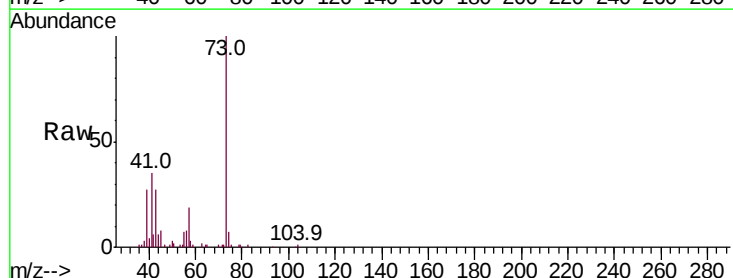
RT: 5.11 min Scan# 676

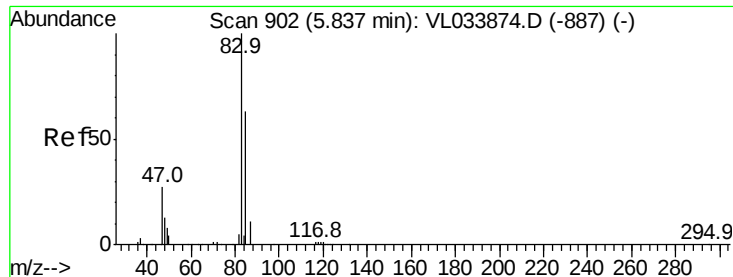
Delta R.T. 0.01 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Tgt Ion:	73	Resp:	60601
Ion Ratio	Lower	Upper	
73	100		
57	24.0	17.2	25.8





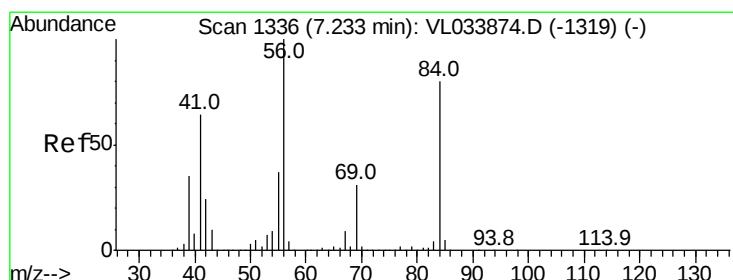
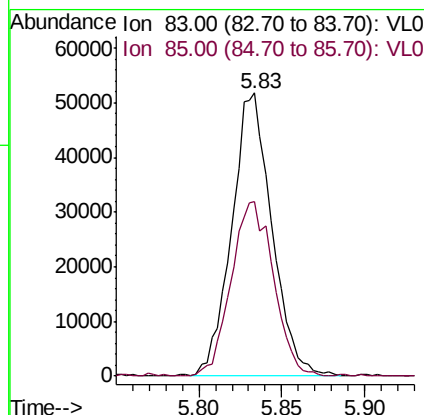
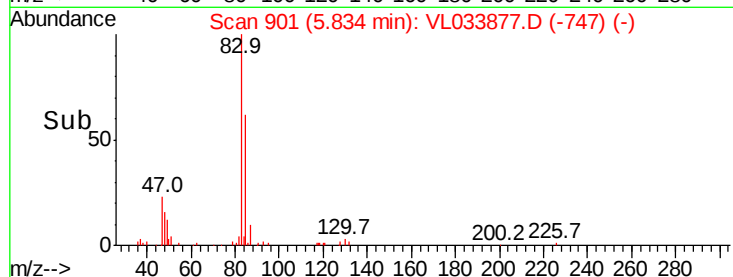
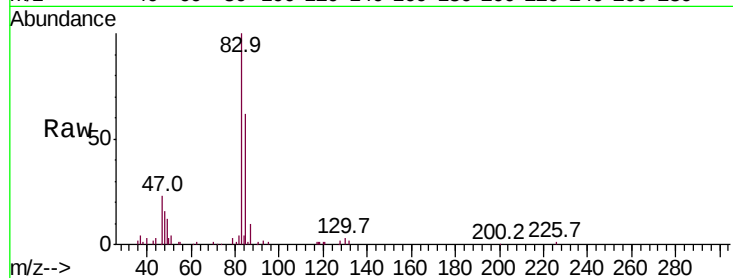
#29
Chloroform
Concen: 0.459 ppbv
RT: 5.83 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 83 Resp: 87491
Ion Ratio Lower Upper
83 100
85 61.6 50.5 75.7

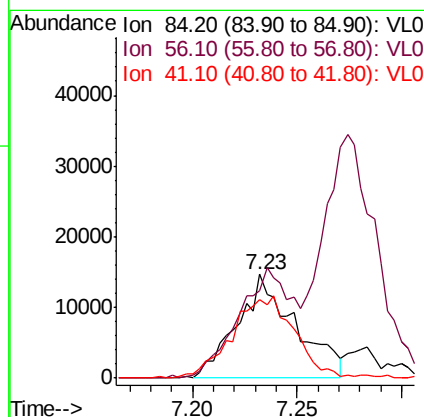
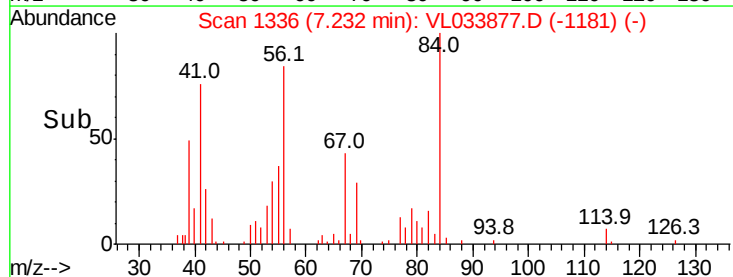
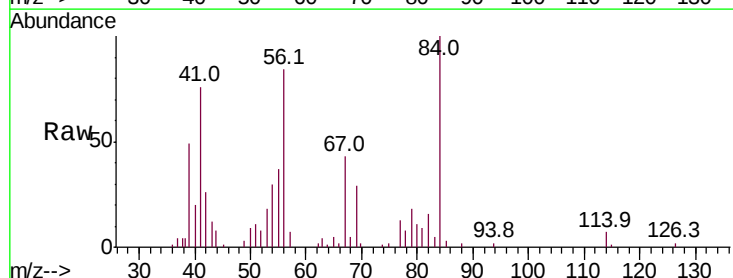
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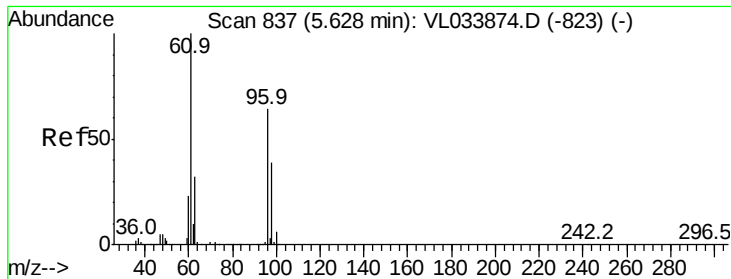
MMDadoda
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#30
Cyclohexane
Concen: 0.330 ppbv m
RT: 7.23 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Tgt Ion: 84 Resp: 28374
Ion Ratio Lower Upper
84 100
56 0.0 105.8 158.8#
41 85.8 65.7 98.5





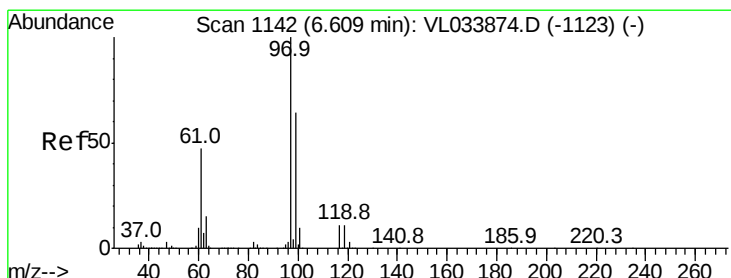
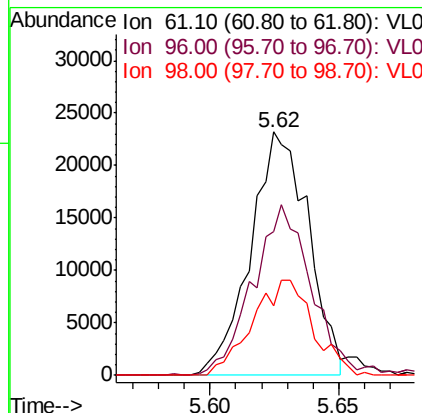
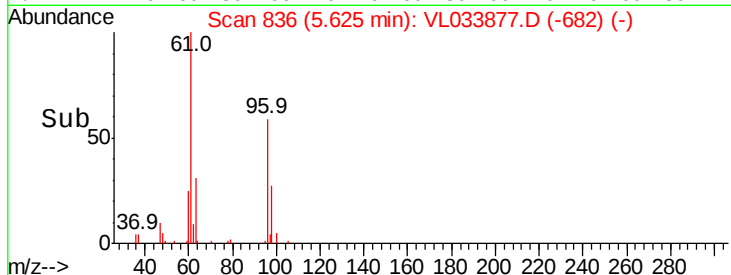
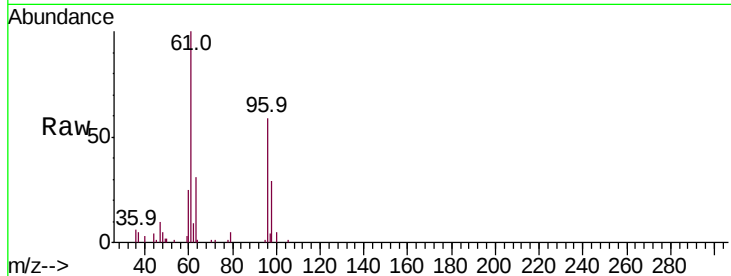
#31
 cis-1,2-Dichloroethene
 Concen: 0.353 ppbv
 RT: 5.62 min Scan# 836
 Delta R.T. -0.00 min
 Lab File: VL033877.D
 Acq: 7 Jun 2019 3:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
61	100		
96	58.8	50.9	76.3
98	28.6	31.4	47.2#

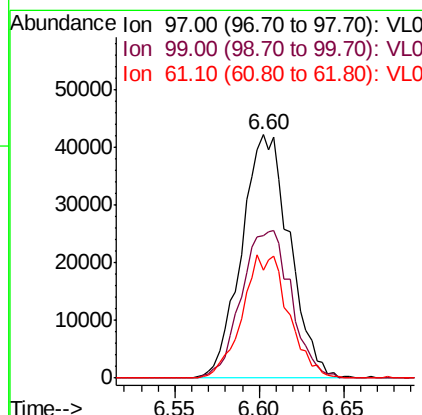
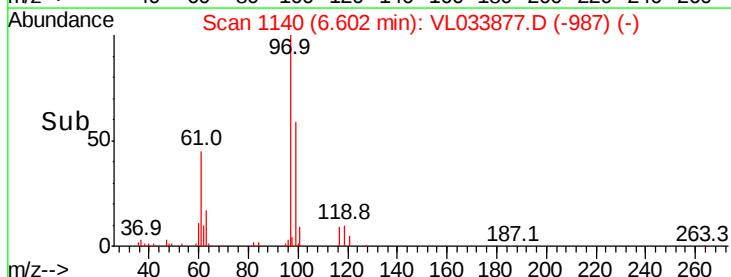
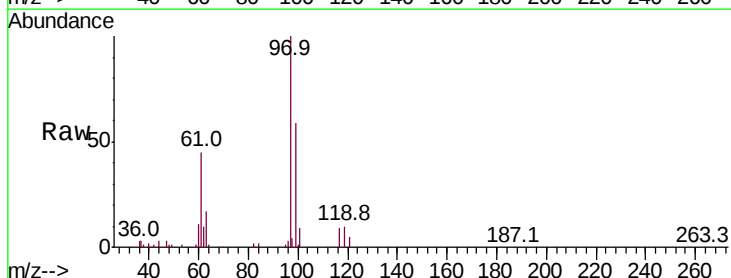
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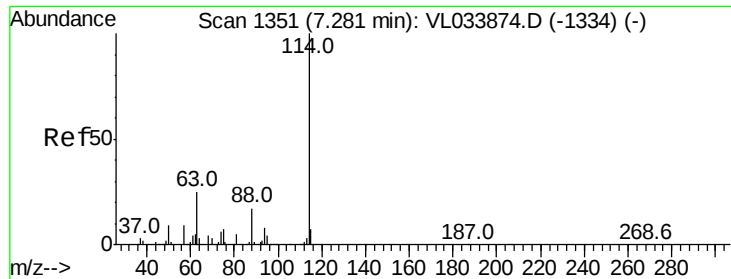
MMDadoda
 6/11/2019 9:18:27 AM



#32
 1,1,1-Trichloroethane
 Concen: 0.440 ppbv m
 RT: 6.60 min Scan# 1140
 Delta R.T. -0.01 min
 Lab File: VL033877.D
 Acq: 7 Jun 2019 3:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.7	77.5#
61	48.4	37.7	56.5





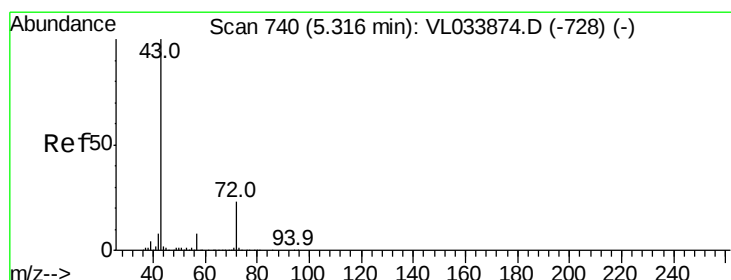
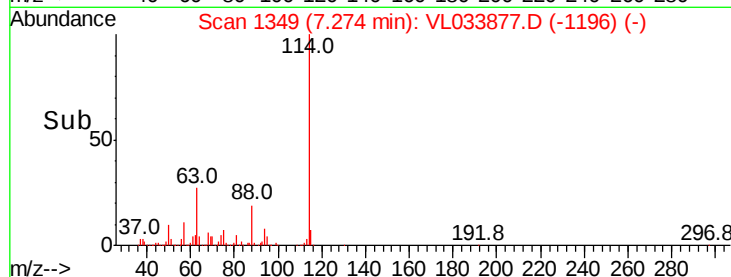
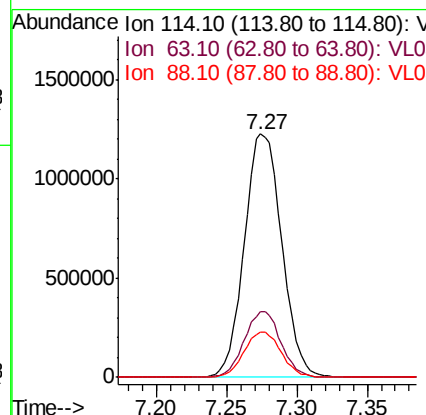
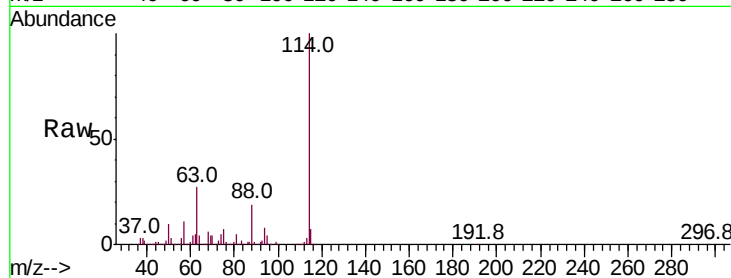
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.27 min Scan# 1349
 Delta R.T. -0.01 min
 Lab File: VL033877.D
 Acq: 7 Jun 2019 3:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.5	21.1	31.7
88	18.4	14.2	21.4

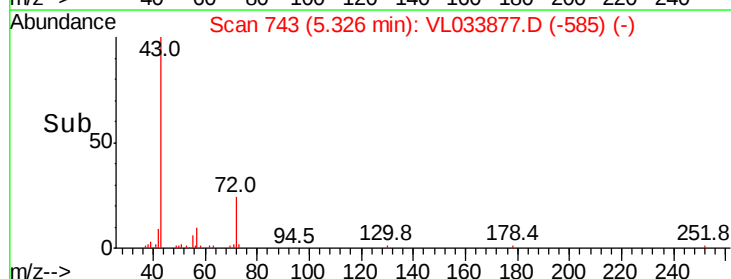
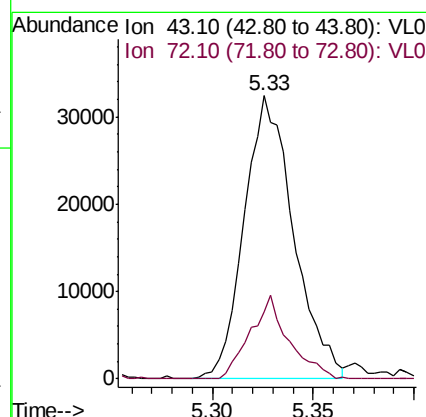
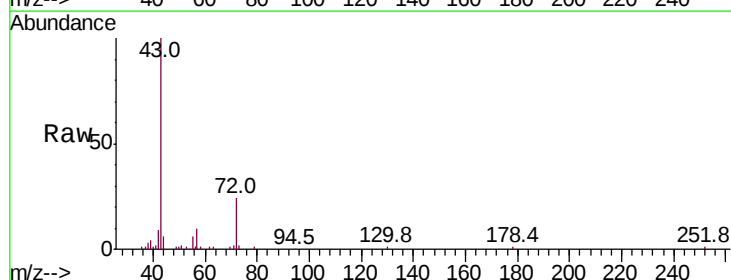
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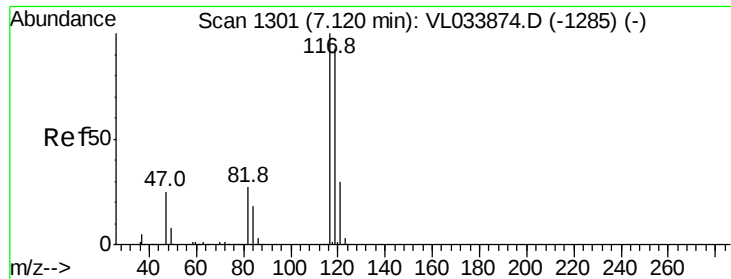
MMDadoda
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#34
 2-Butanone
 Concen: 0.393 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. 0.01 min
 Lab File: VL033877.D
 Acq: 7 Jun 2019 3:59

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.1	17.9	26.9





#35

Carbon Tetrachloride

Concen: 0.469 ppbv

RT: 7.12 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

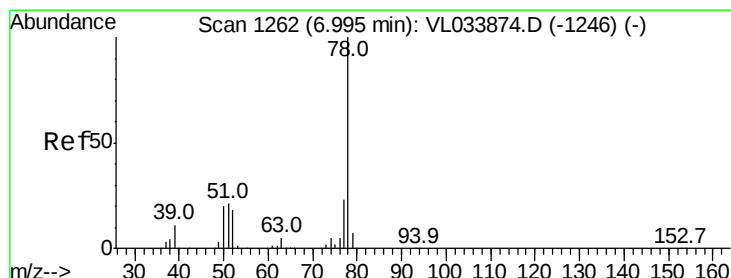
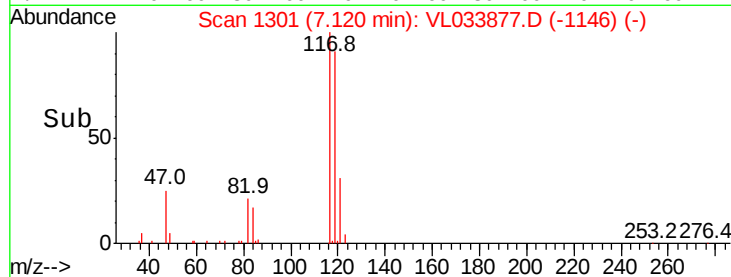
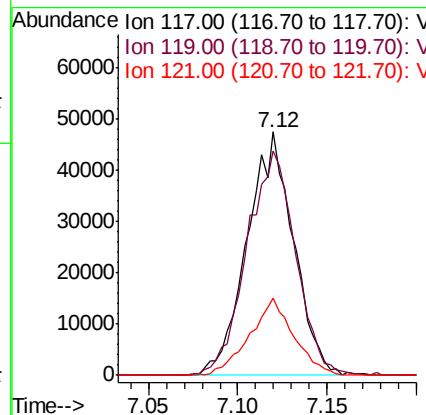
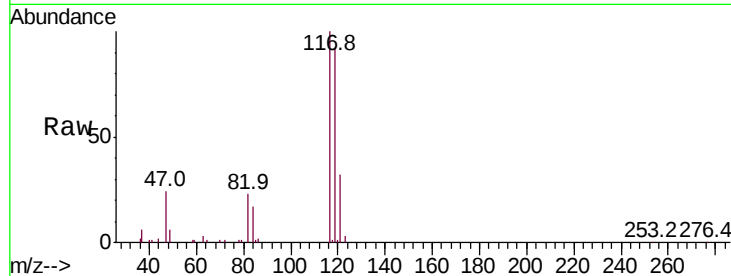
ClientSampleId :

VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
119	91.2	74.6	111.8
121	31.4	24.0	36.0

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#36

Benzene

Concen: 0.353 ppbv

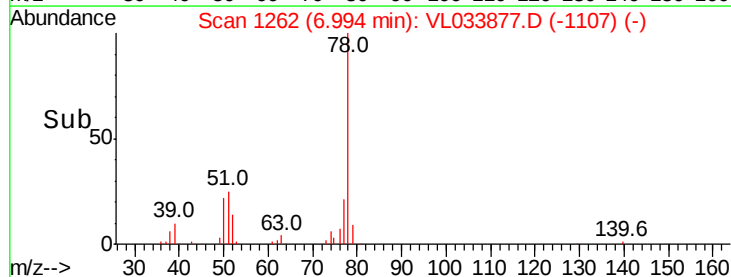
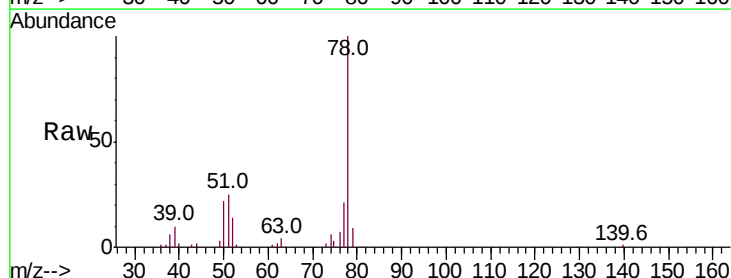
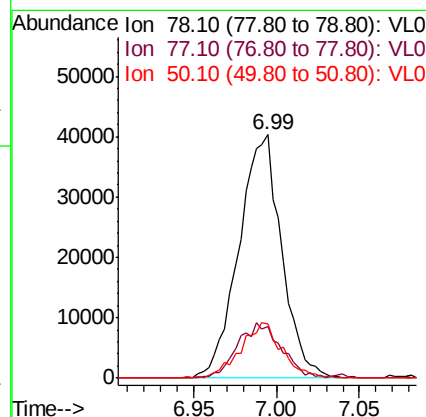
RT: 6.99 min Scan# 1262

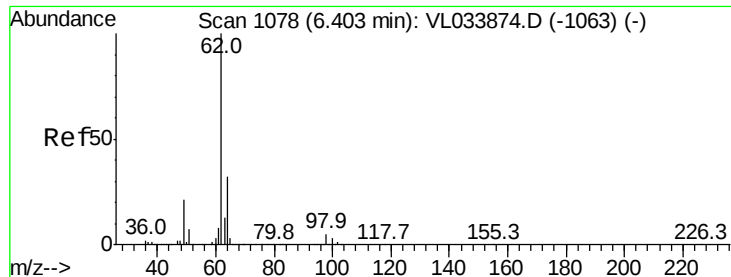
Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.1	18.2	27.2
50	22.1	15.9	23.9





#37

1,2-Dichloroethane

Concen: 0.462 ppbv

RT: 6.40 min Scan# 1076

Delta R.T. -0.01 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 62326

Ion Ratio Lower Upper

62 100

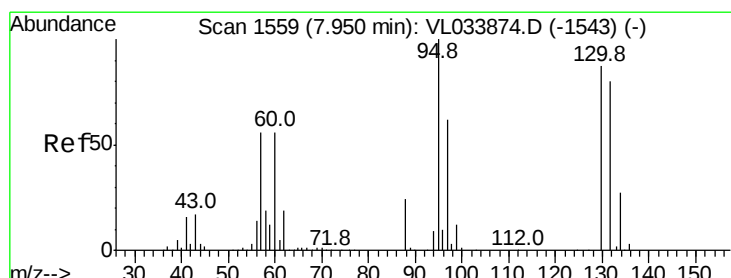
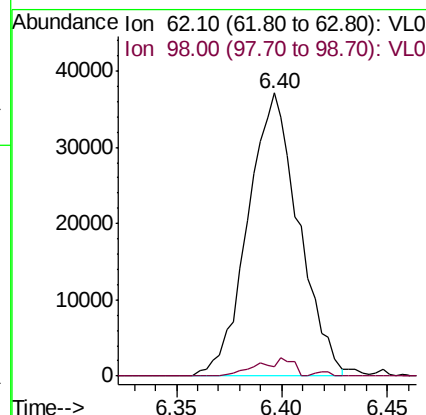
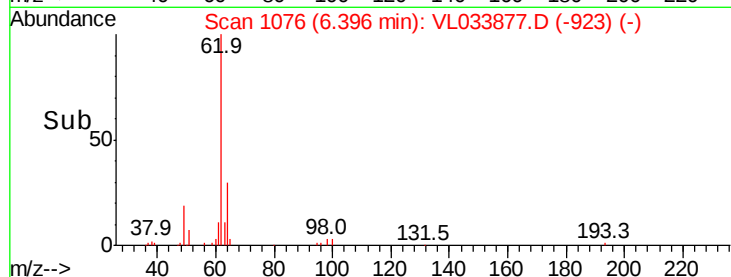
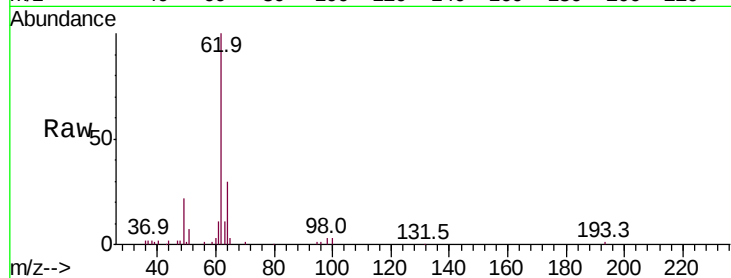
98 4.9 4.0 6.0

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#38

Trichloroethene

Concen: 0.400 ppbv

RT: 7.95 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Tgt Ion: 130 Resp: 31042

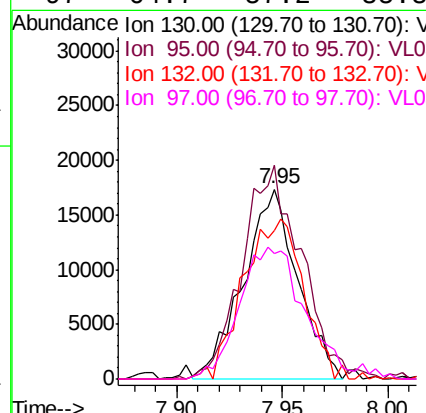
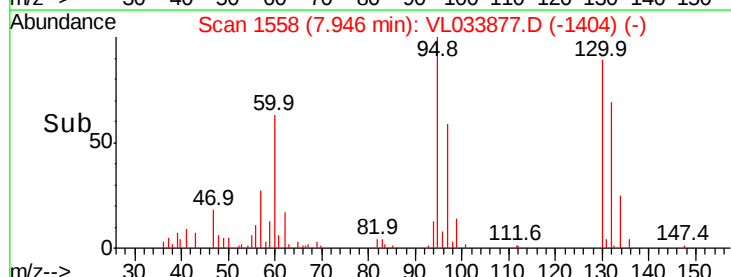
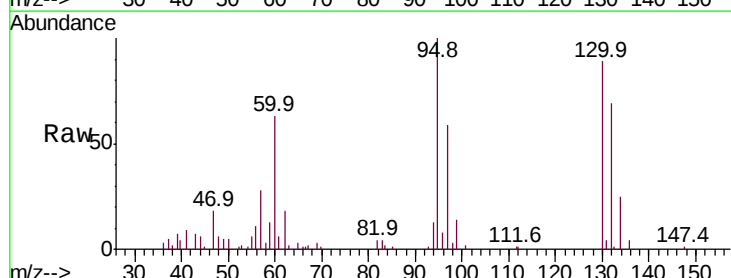
Ion Ratio Lower Upper

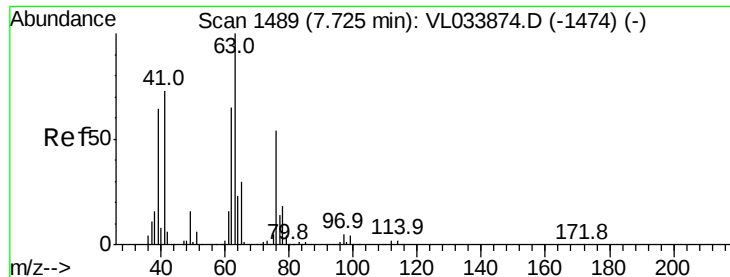
130 100

95 110.9 92.0 138.0

132 77.0 73.8 110.8

97 64.7 57.2 85.8





#39

1,2-Dichloropropane

Concen: 0.406 ppbv m

RT: 7.72 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

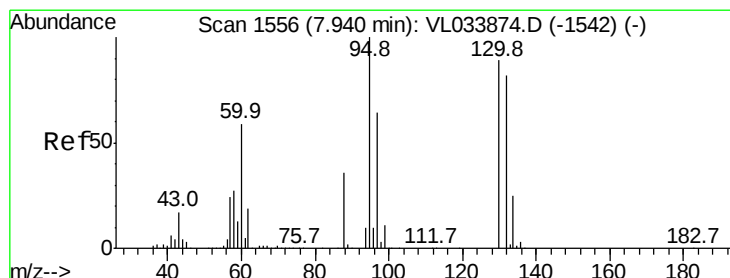
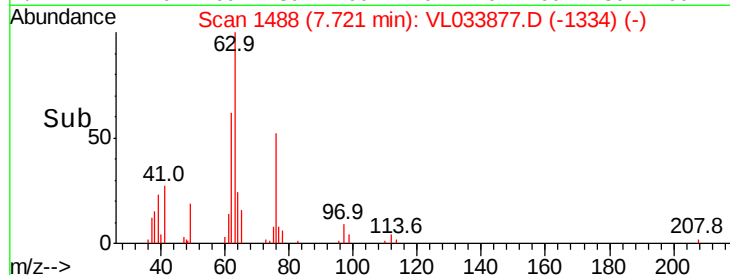
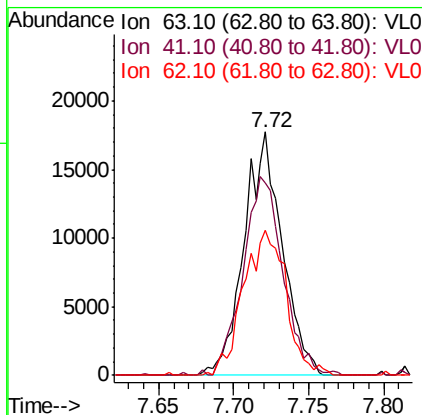
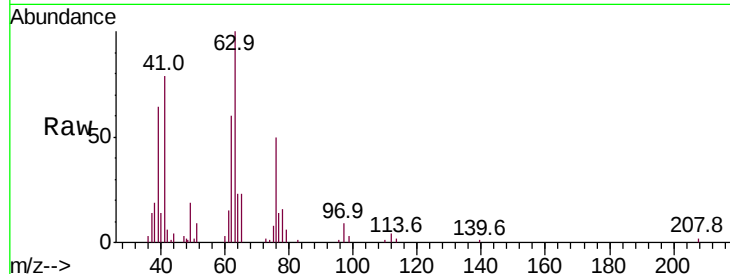
ClientSampleId :

VSTDIC0.5

Tot Ion:	63	Resp:	31155
Ion	Ratio	Lower	Upper
63	100		
41	78.9	58.7	88.1
62	59.5	51.9	77.9

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#40

1,4-Dioxane

Concen: 0.415 ppbv m

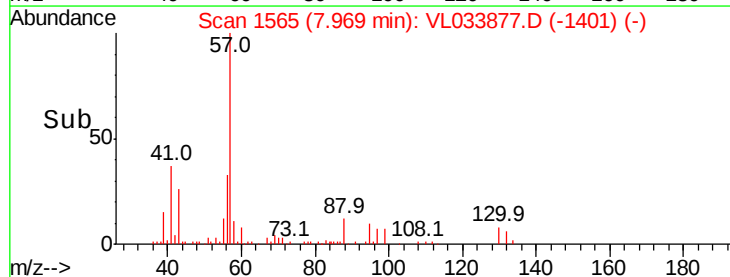
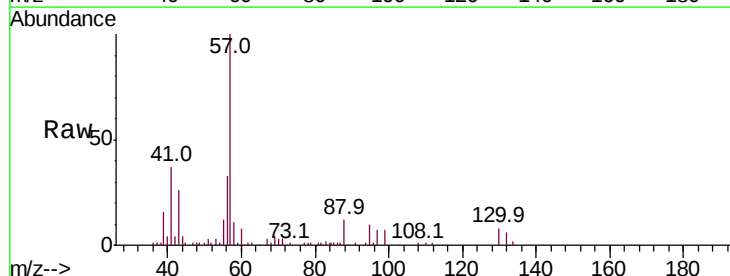
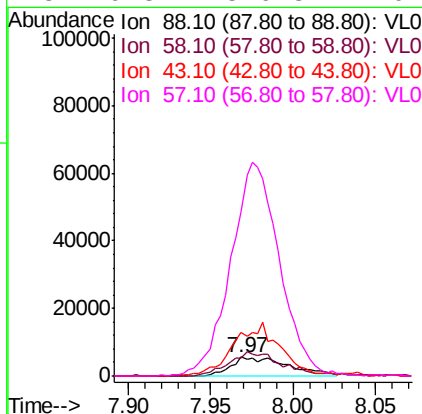
RT: 7.97 min Scan# 1565

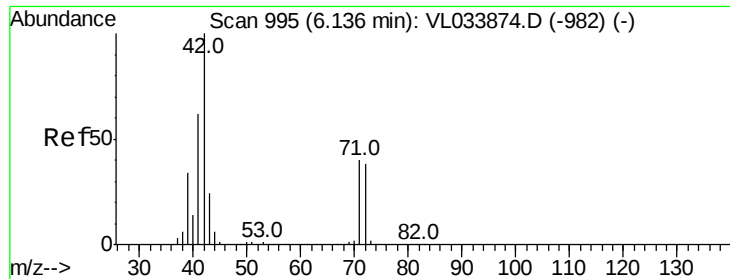
Delta R.T. 0.03 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Tgt Ion:	88	Resp:	13407
Ion	Ratio	Lower	Upper
88	100		
58	126.0	100.0	150.0
43	0.0	184.7	277.1#
57	978.1	826.8	1240.2





#41

Tetrahydrofuran

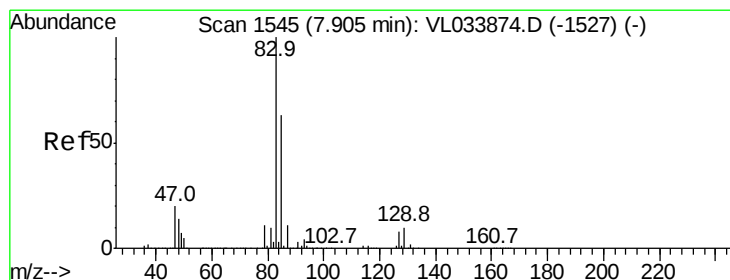
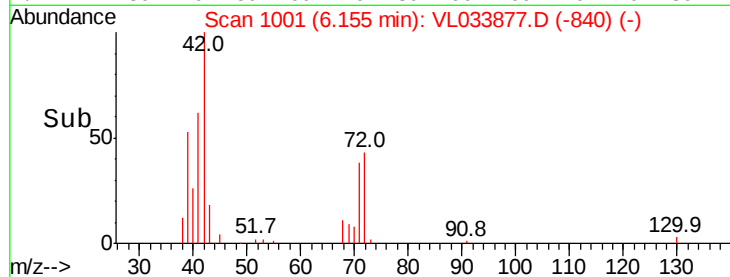
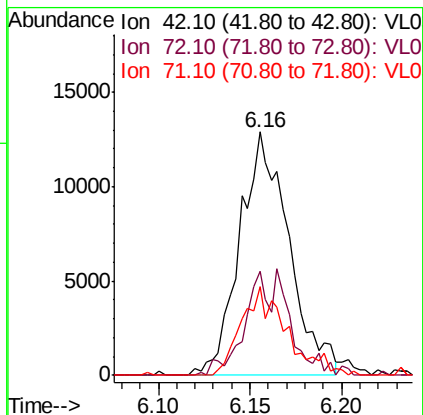
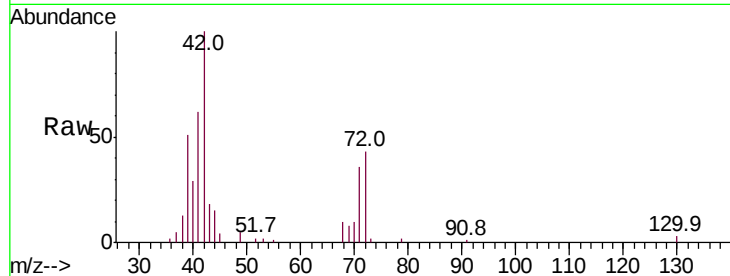
Concen: 0.309 ppbv m
RT: 6.16 min Scan# 1001
Delta R.T. 0.02 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.2	48.4#
71	0.0	31.7	47.5#

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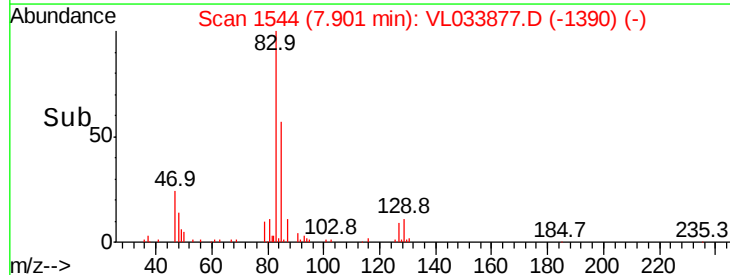
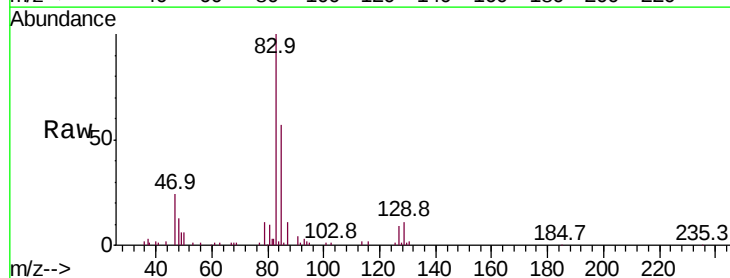
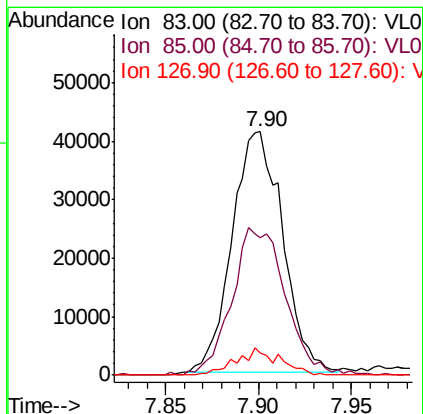


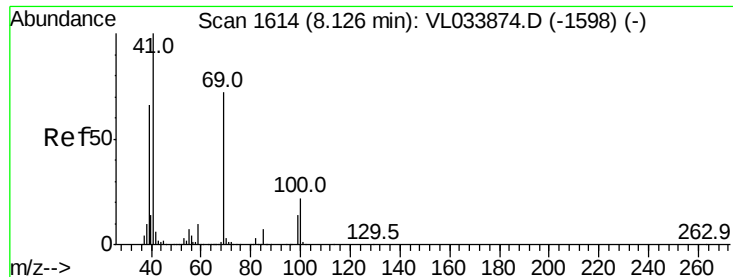
#42

Bromodichloromethane

Concen: 0.423 ppbv
RT: 7.90 min Scan# 1544
Delta R.T. -0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	55.7	50.2	75.2
127	9.4	6.5	9.7





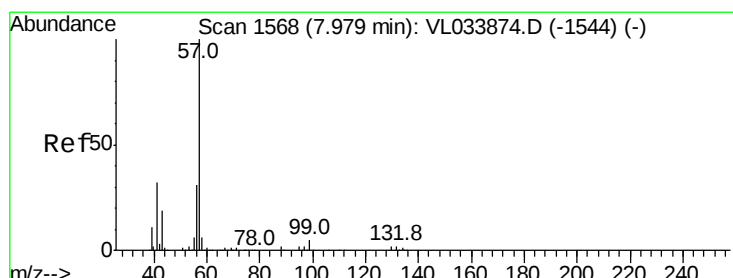
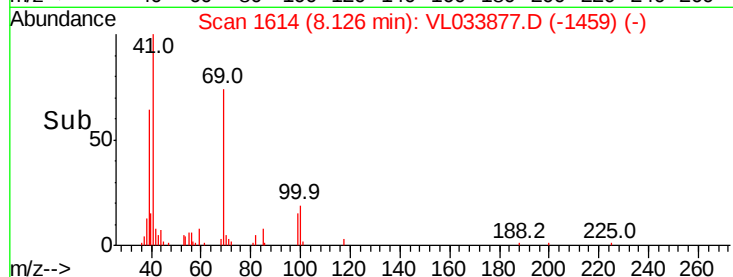
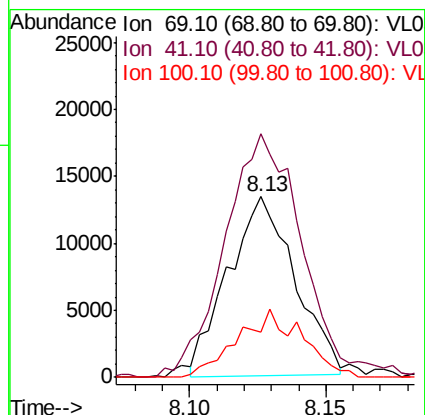
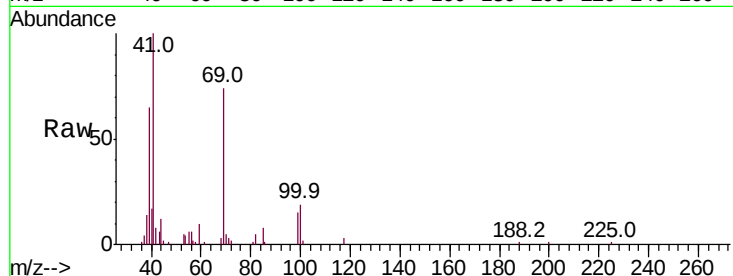
#43
Methvl Methacrilate
Concen: 0.301 ppbv
RT: 8.13 min Scan# 1614
Delta R.T. -0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
69	100		
41	157.6	114.3	171.5
100	36.5	24.8	37.2

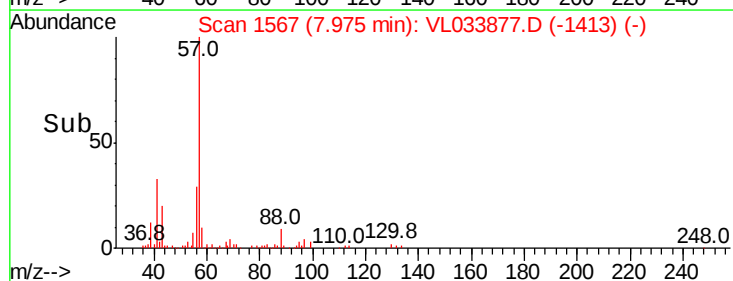
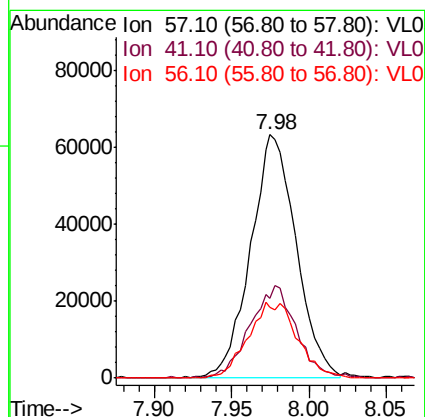
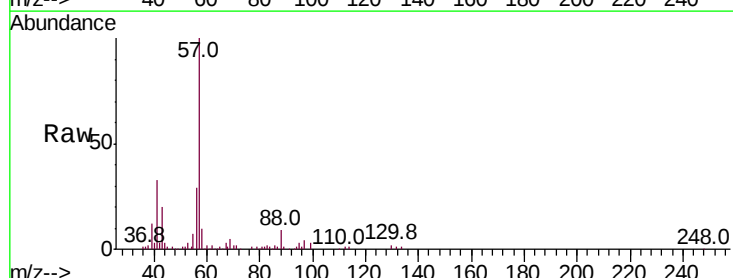
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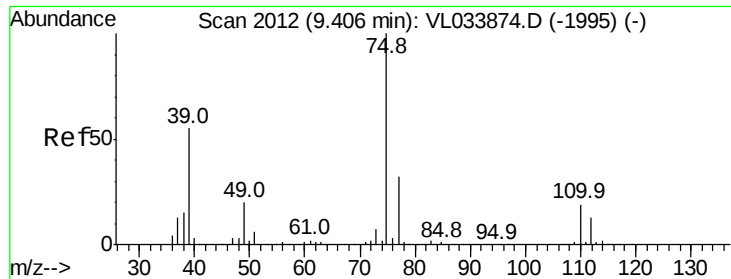
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 0.372 ppbv
RT: 7.98 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Tgt Ion	Ratio	Lower	Upper
57	100		
41	38.8	26.1	39.1
56	33.5	24.6	36.8





#45

t-1,3-Dichloropropene

Concen: 0.290 ppbv m

RT: 9.40 min Scan# 2009

Delta R.T. -0.01 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 75 Resp: 27915

Ion Ratio Lower Upper

75 100

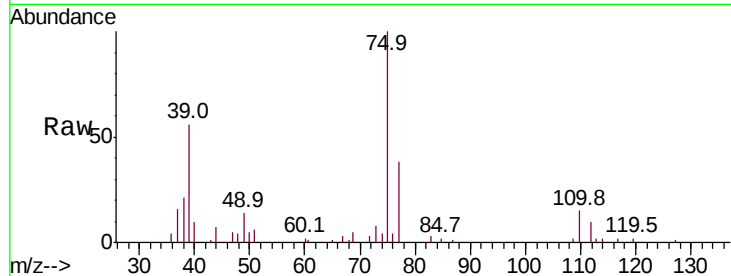
77 37.5 25.4 38.2

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

15000

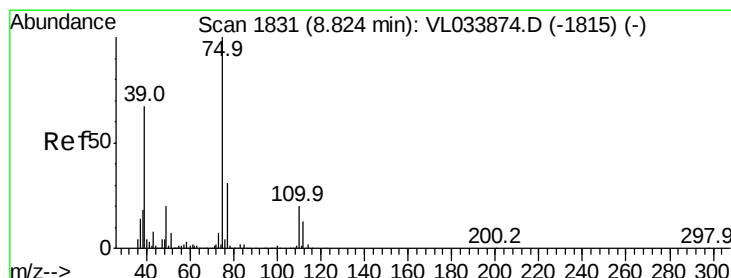
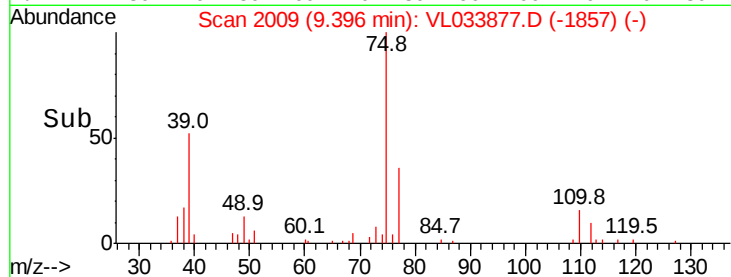
10000

5000

0

9.35 9.40 9.45

Time-->



#46

cis-1,3-Dichloropropene

Concen: 0.296 ppbv m

RT: 8.82 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

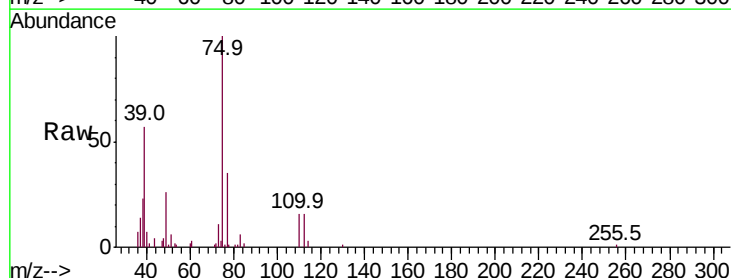
Tgt Ion: 75 Resp: 33158

Ion Ratio Lower Upper

75 100

39 57.0 53.8 80.8

77 34.8 24.6 36.8



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

25000

20000

15000

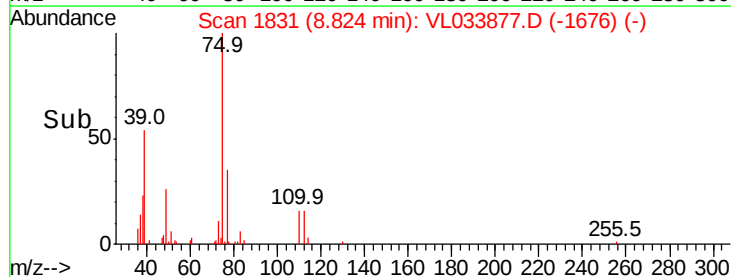
10000

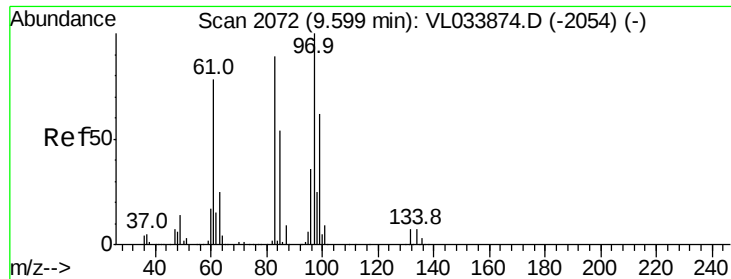
5000

0

8.75 8.80 8.85

Time-->





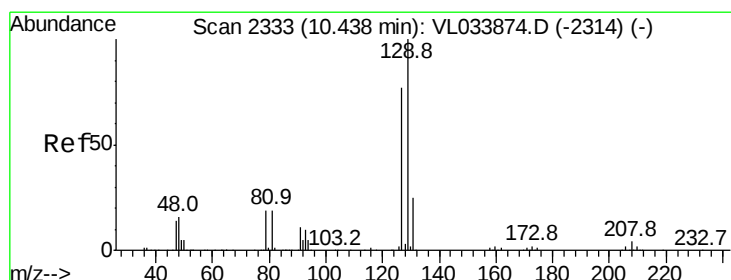
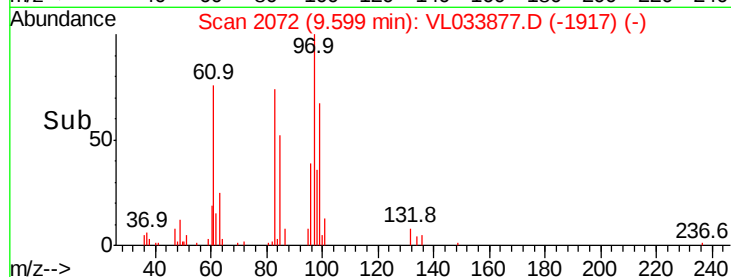
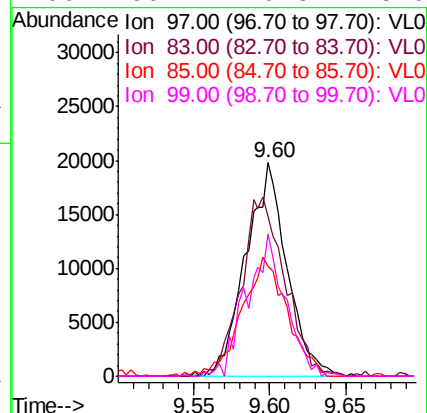
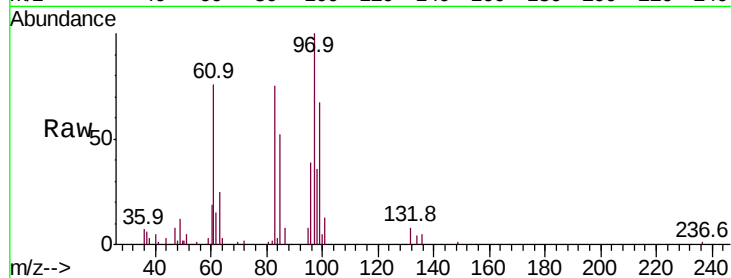
#47
 1,1,2-Trichloroethane
 Concen: 0.423 ppbv m
 RT: 9.60 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VL033877.D
 Acq: 7 Jun 2019 3:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
97	100		
83	74.7	70.9	106.3
85	51.7	43.0	64.6
99	66.7	49.3	73.9

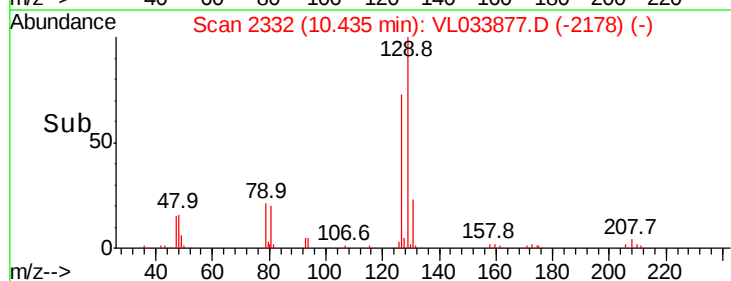
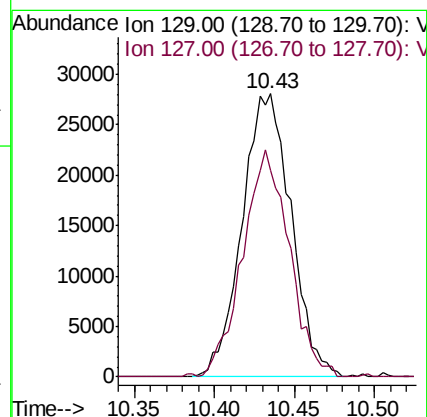
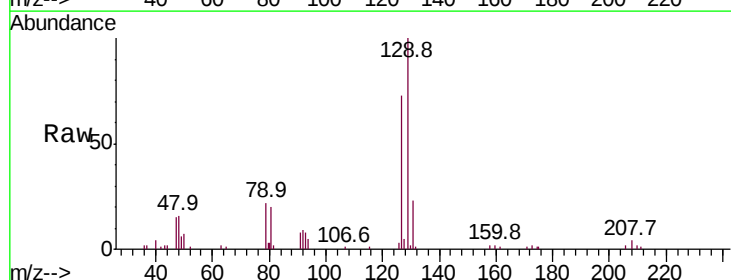
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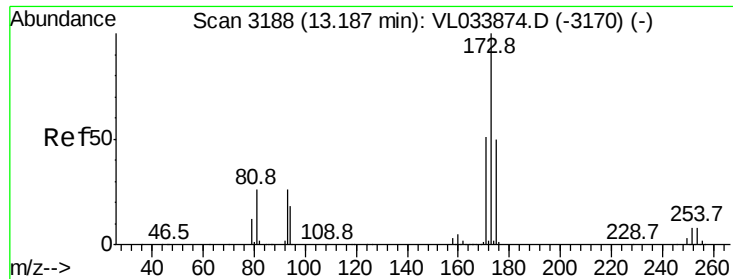
MMDadoda
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#48
 Dibromochloromethane
 Concen: 0.384 ppbv
 RT: 10.43 min Scan# 2332
 Delta R.T. -0.00 min
 Lab File: VL033877.D
 Acq: 7 Jun 2019 3:59

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.6	115.7





#49

Bromoform

Concen: 0.369 ppbv

RT: 13.19 min Scan# 3188

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

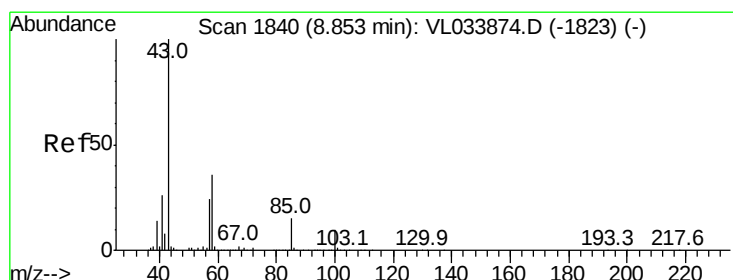
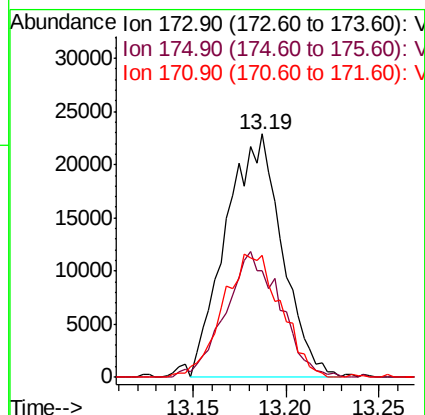
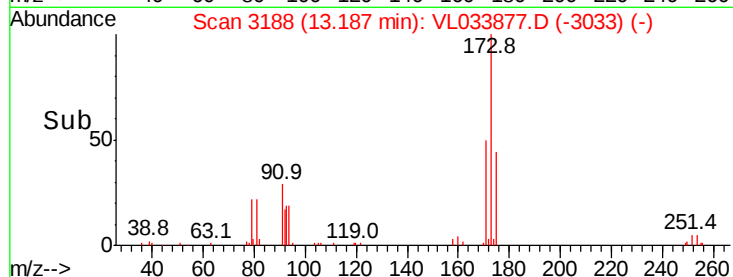
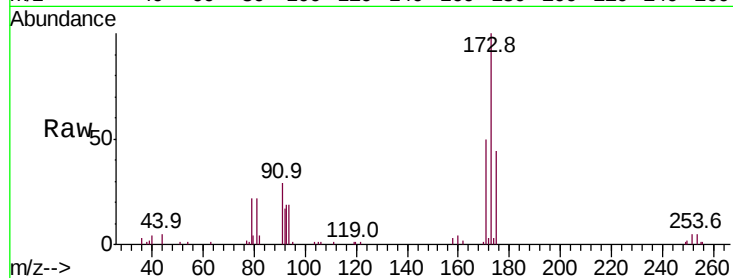
ClientSampleId :

VSTDIC0.5

Tot Ion:	173	Resp:	48417
Ion Ratio	Lower	Upper	
173	100		
175	50.1	39.6	59.4
171	52.4	41.8	62.8

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#50

4-Methyl-2-Pentanone

Concen: 0.341 ppbv

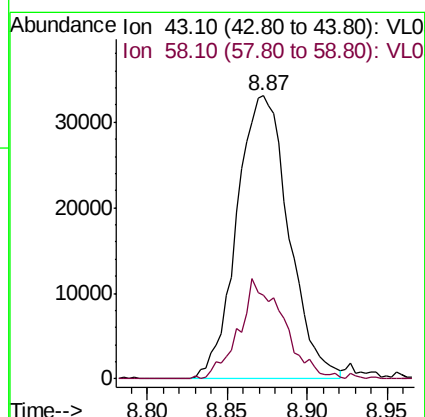
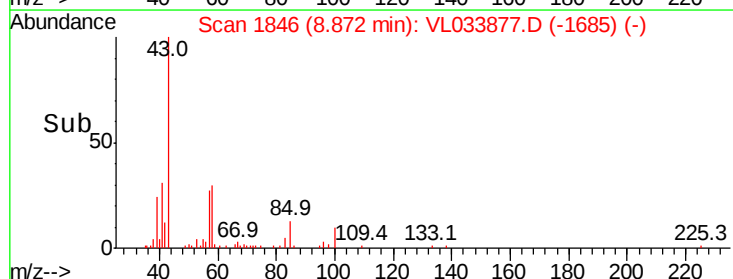
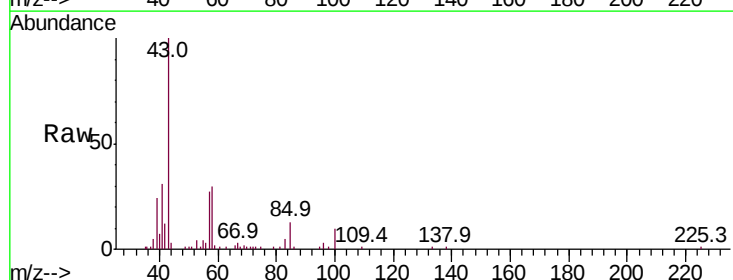
RT: 8.87 min Scan# 1846

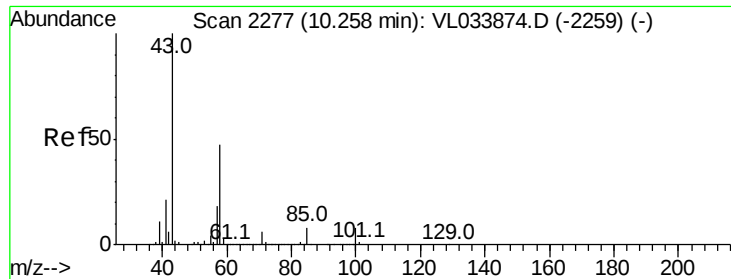
Delta R.T. 0.02 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Tgt Ion:	43	Resp:	73541
Ion Ratio	Lower	Upper	
43	100		
58	30.7	28.6	42.8





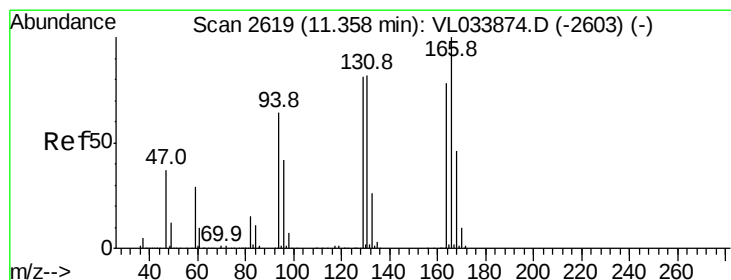
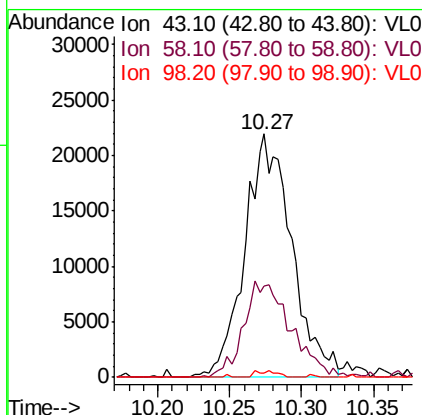
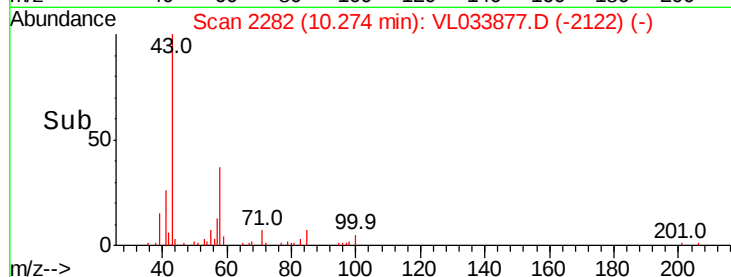
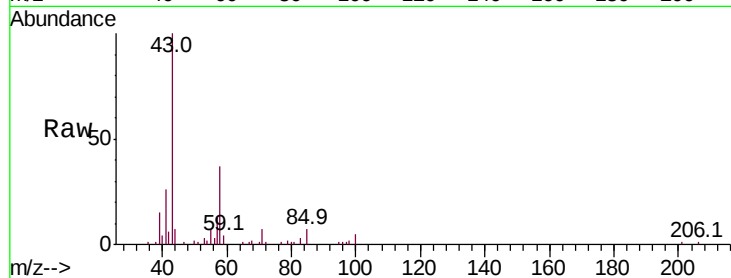
#51
2-Hexanone
Concen: 0.296 ppbv m
RT: 10.27 min Scan# 2282
Delta R.T. 0.02 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.2	57.4#
98	0.0	0.2	0.2#

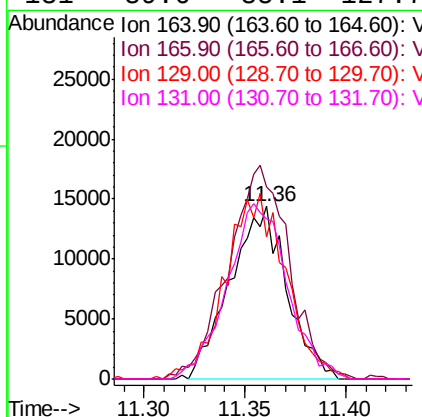
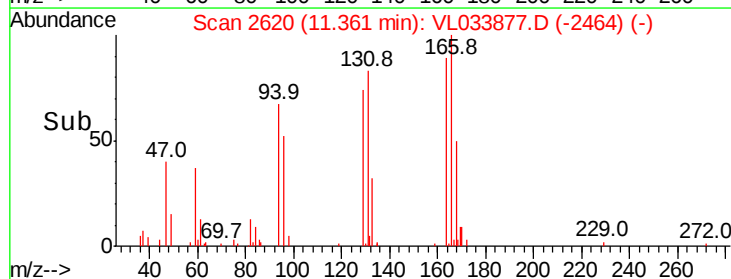
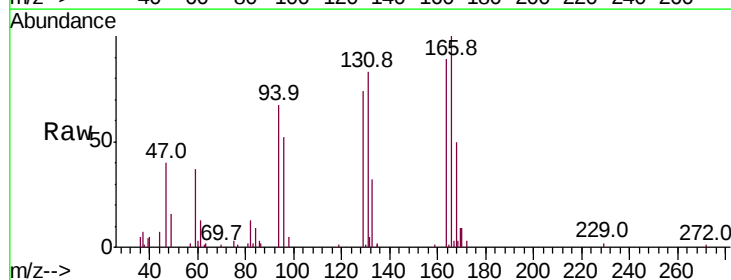
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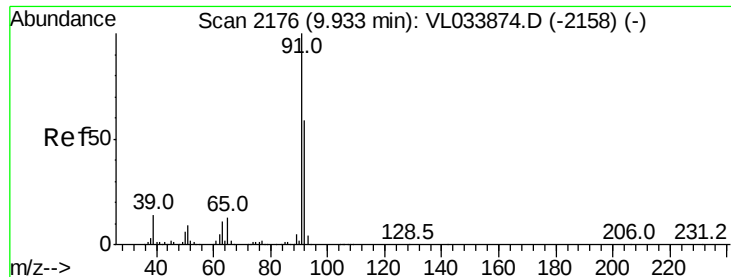
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#52
Tetrachloroethene
Concen: 0.387 ppbv
RT: 11.36 min Scan# 2620
Delta R.T. 0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	108.9	103.1	154.7
129	78.2	83.9	125.9#
131	89.6	85.1	127.7





#53

Toluene

Concen: 0.290 ppbv

RT: 9.93 min Scan# 2175

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 64446

Ion Ratio Lower Upper

91 100

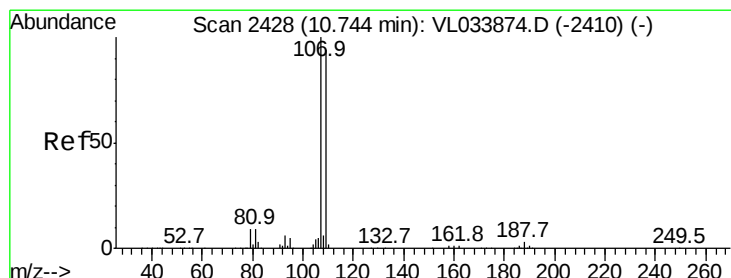
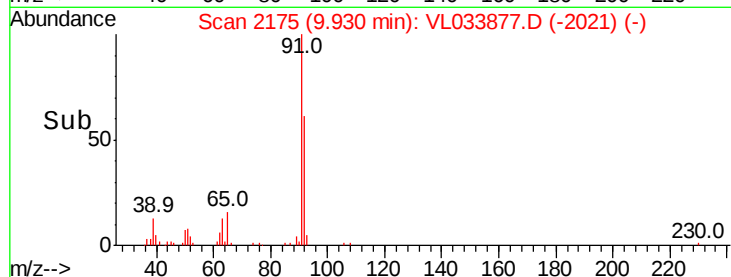
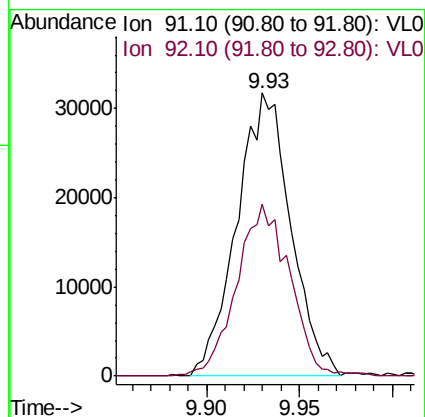
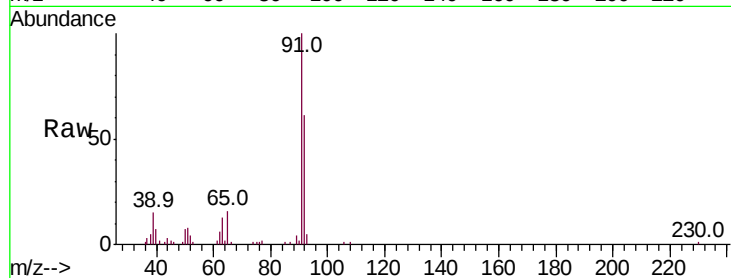
92 59.5 47.0 70.6

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#54

1,2-Dibromoethane

Concen: 0.380 ppbv

RT: 10.74 min Scan# 2428

Delta R.T. -0.00 min

Lab File: VL033877.D

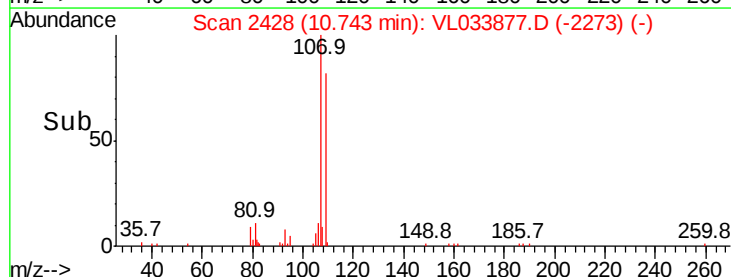
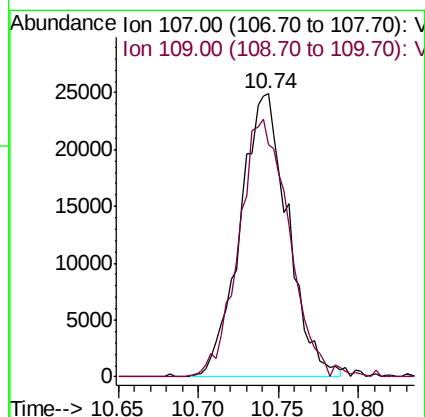
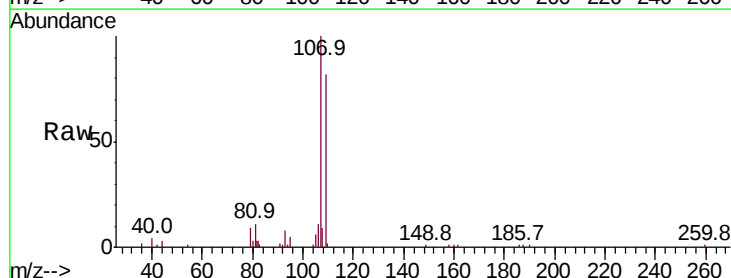
Acq: 7 Jun 2019 3:59

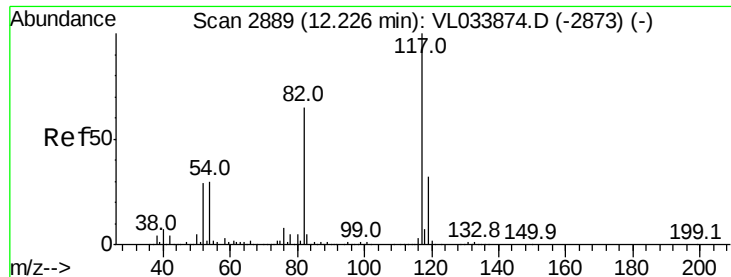
Tgt Ion: 107 Resp: 50854

Ion Ratio Lower Upper

107 100

109 83.0 74.9 112.3





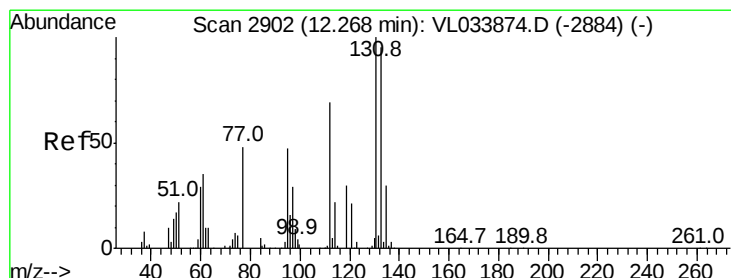
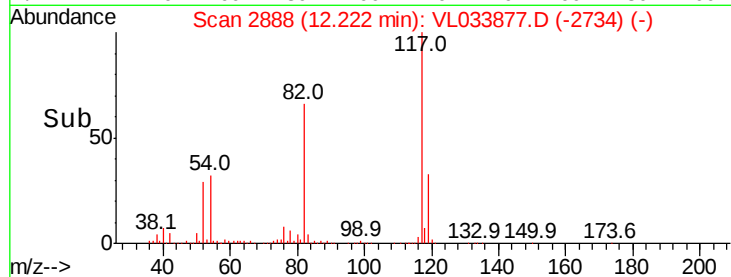
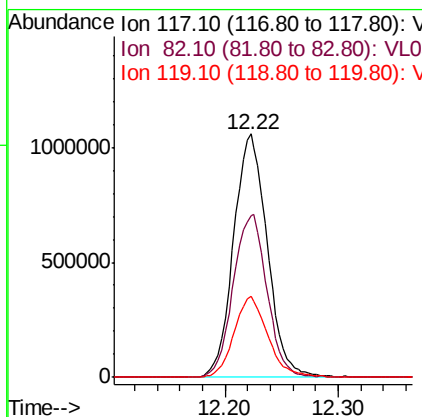
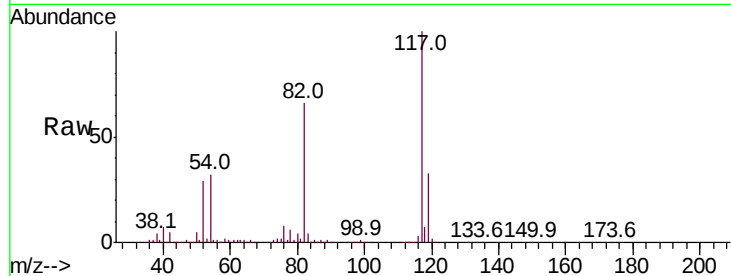
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.22 min Scan# 2888
Delta R.T. -0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.2	50.2	75.2
119	33.5	24.8	37.2

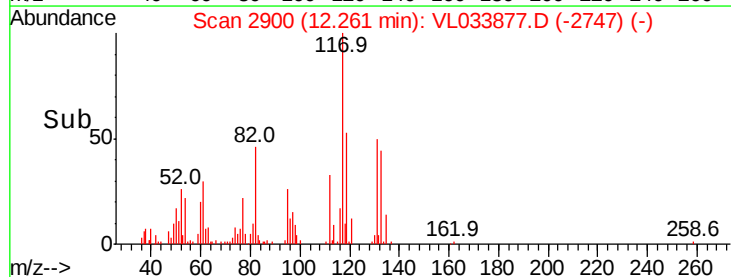
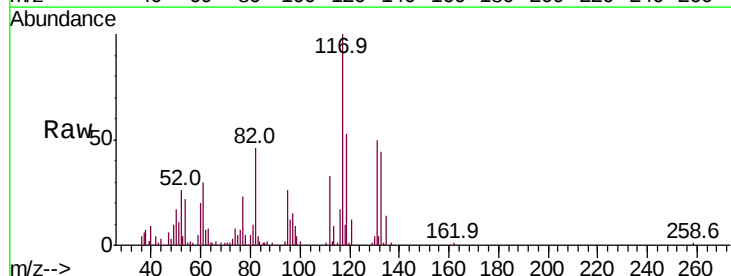
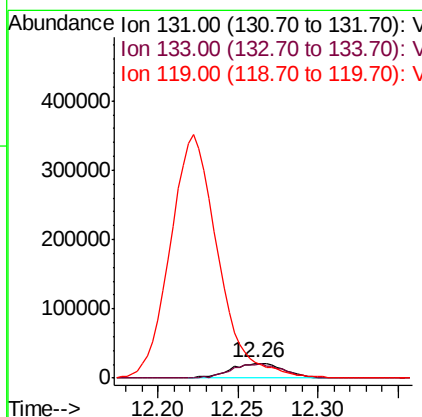
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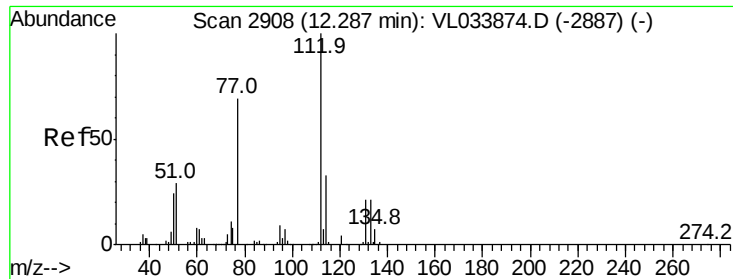
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.484 ppbv
RT: 12.26 min Scan# 2900
Delta R.T. -0.01 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.3	76.5	114.7
119	1507.2	42.6	64.0#





#57

Chlorobenzene

Concen: 0.468 ppbv

RT: 12.28 min Scan# 2906

Delta R.T. -0.01 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

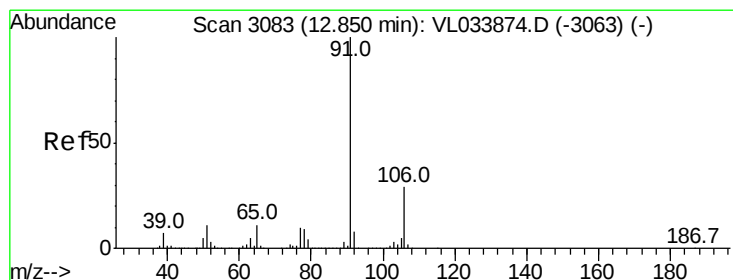
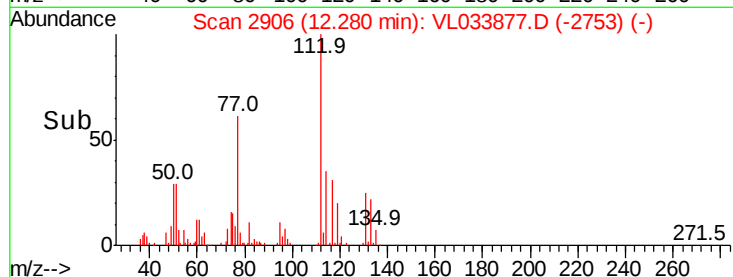
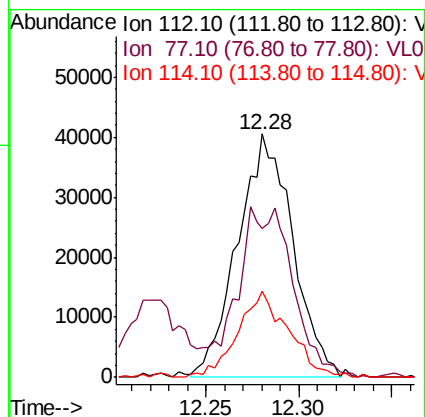
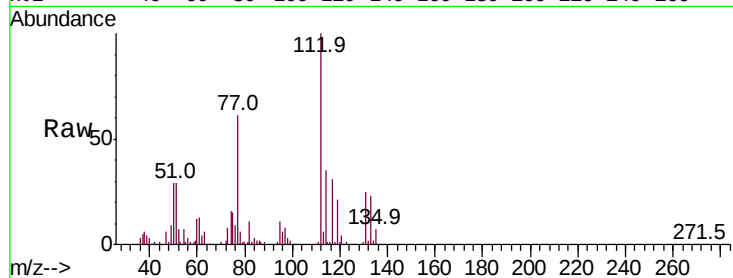
ClientSampleId :

VSTDIC0.5

Tot Ion:	112	Resp:	83535
Ion Ratio	Lower	Upper	
112	100		
77	58.9	55.8	83.6
114	35.5	29.8	36.4

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#58

Ethyl Benzene

Concen: 0.301 ppbv

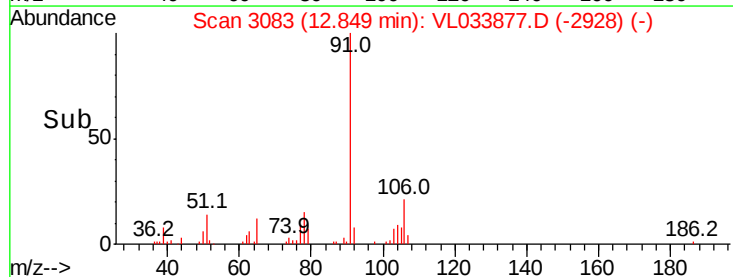
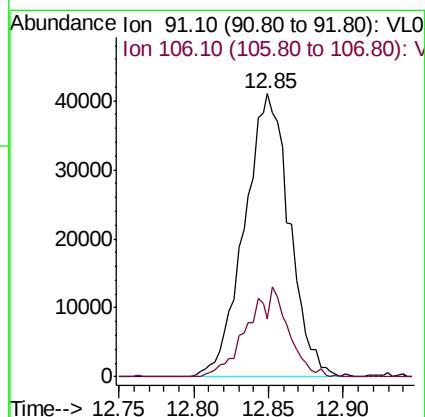
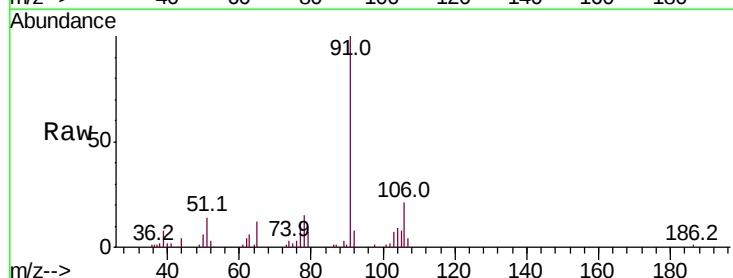
RT: 12.85 min Scan# 3083

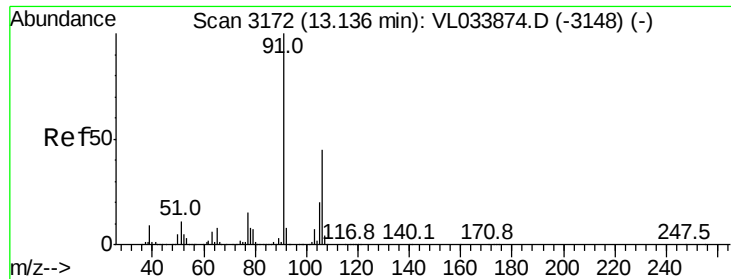
Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Tgt Ion:	91	Resp:	85865
Ion Ratio	Lower	Upper	
91	100		
106	20.7	23.0	34.6#





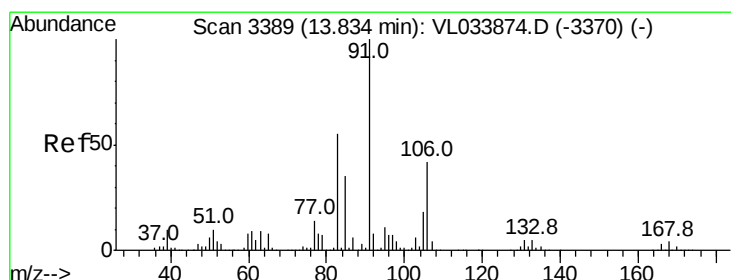
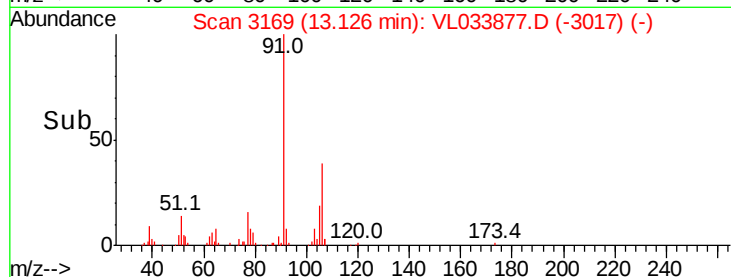
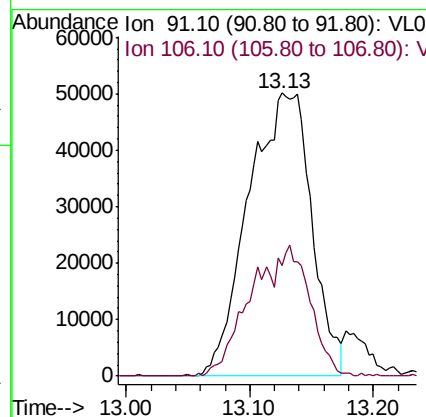
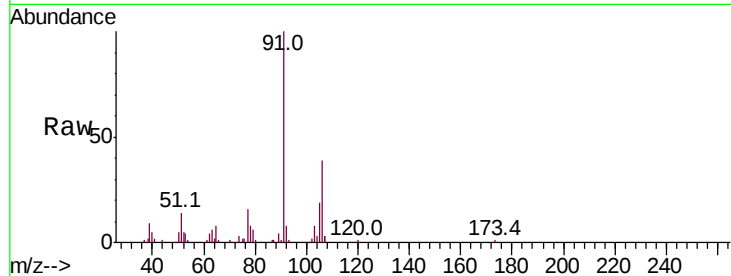
#59
m/p-Xylene
Concen: 0.711 ppbv m
RT: 13.13 min Scan# 3169
Delta R.T. -0.01 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
91	100		
106	43.1	35.8	53.8

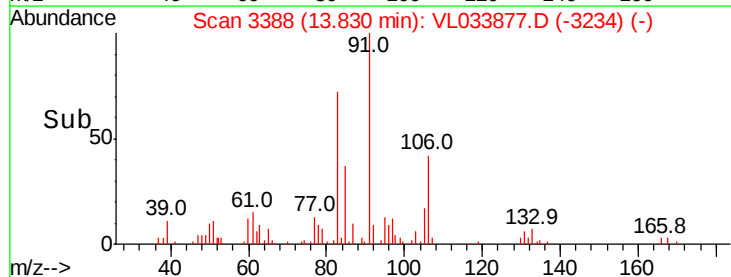
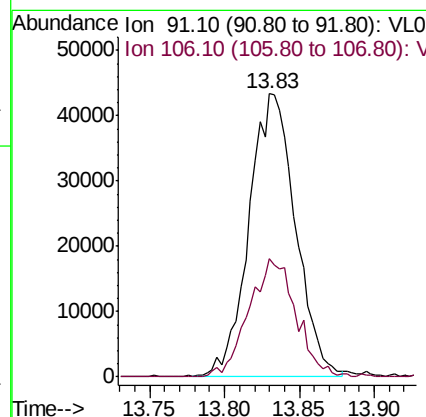
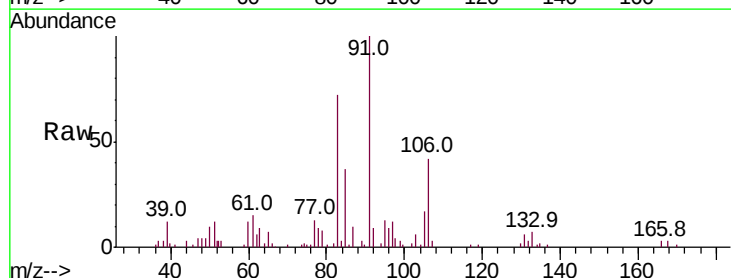
Manual Integrations
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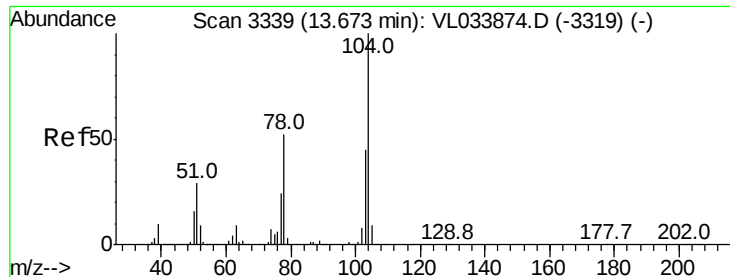
MMDadoda
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#60
o-Xylene
Concen: 0.367 ppbv
RT: 13.83 min Scan# 3388
Delta R.T. -0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Tgt Ion	Ratio	Lower	Upper
91	100		
106	42.5	21.7	65.1





#61

Stvrene

Concen: 0.273 ppbv

RT: 13.67 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

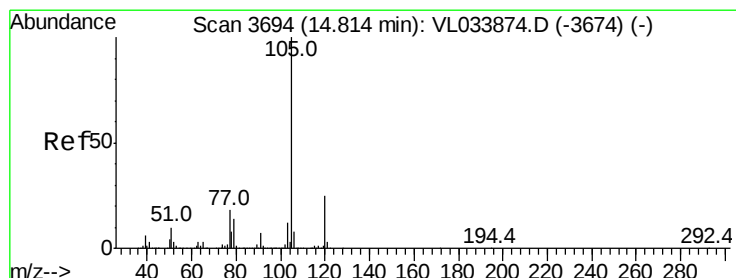
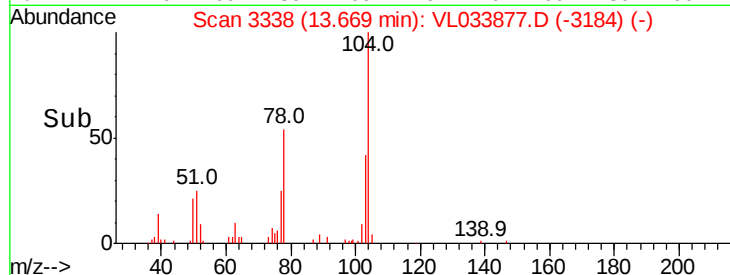
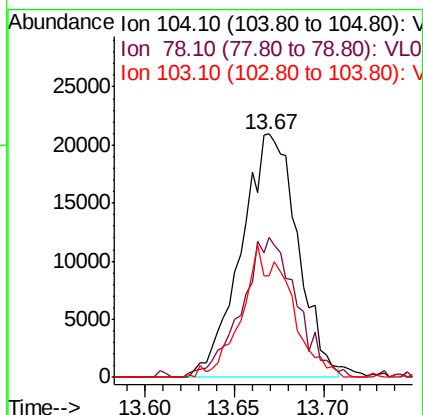
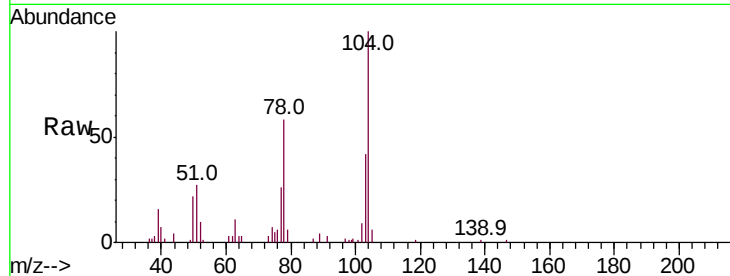
ClientSampleId :

VSTDIC0.5

Tot Ion:	104	Resp:	46408
Ion Ratio	Lower	Upper	
104	100		
78	56.6	43.4	65.0
103	47.0	37.6	56.4

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MMDadoda
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#62

Isopropylbenzene

Concen: 0.383 ppbv

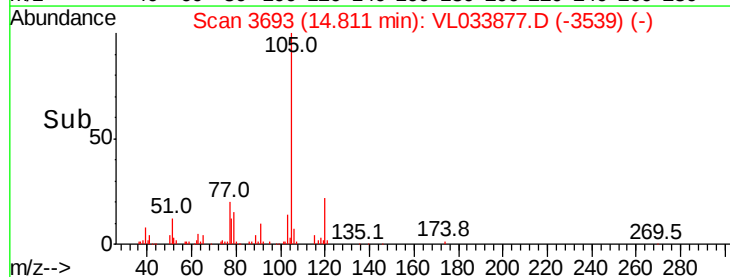
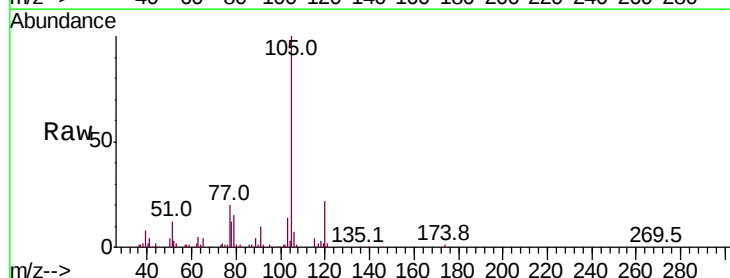
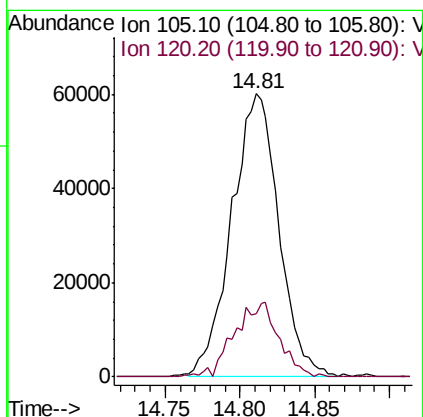
RT: 14.81 min Scan# 3693

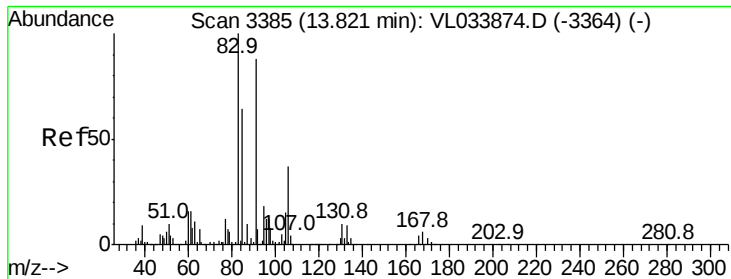
Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Tgt Ion:	105	Resp:	131405
Ion Ratio	Lower	Upper	
105	100		
120	25.0	20.3	30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 0.493 ppbv

RT: 13.81 min Scan# 3383

Delta R.T. -0.01 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

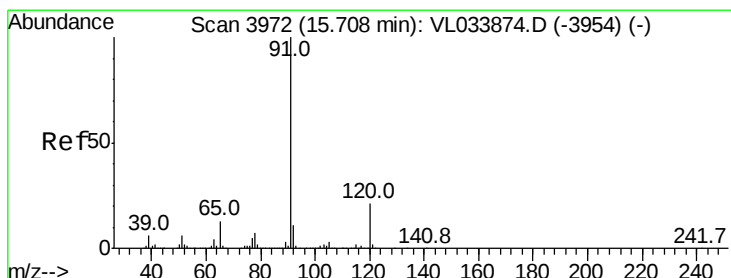
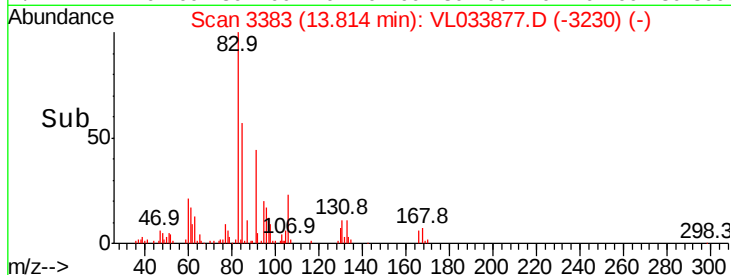
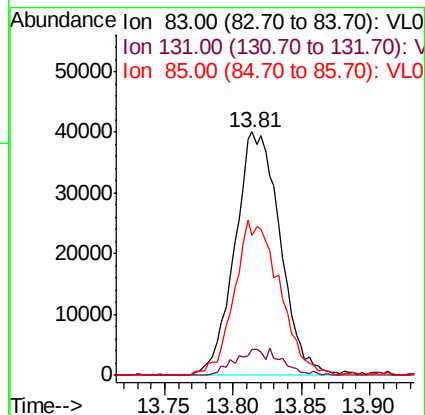
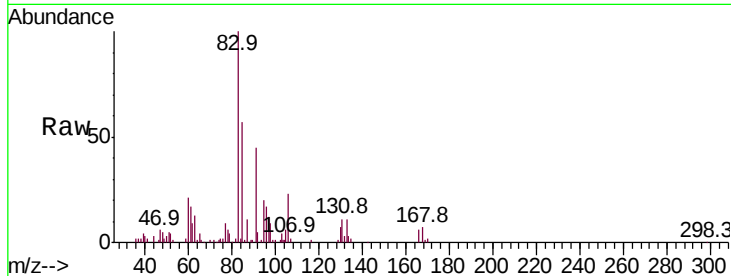
ClientSampleId :

VSTDIC0.5

Tot Ion:	83	Resp:	92027
Ion Ratio	Lower	Upper	
83	100		
131	11.0	4.8	14.4
85	64.1	32.1	96.3

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#64

n-propylbenzene

Concen: 0.344 ppbv

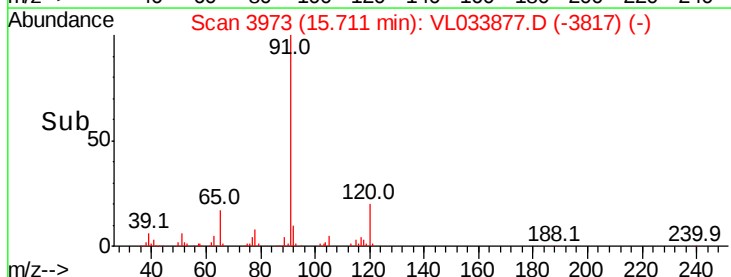
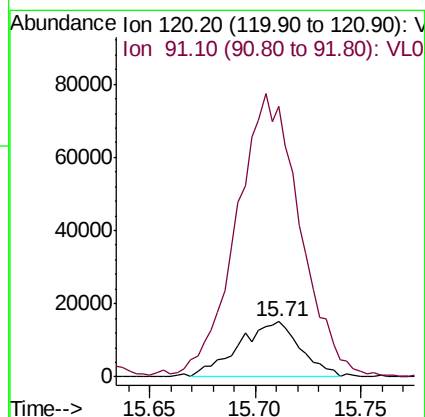
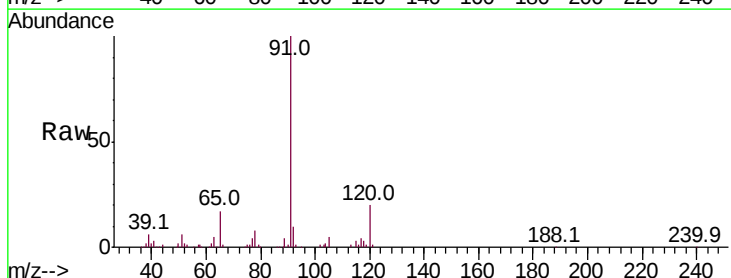
RT: 15.71 min Scan# 3973

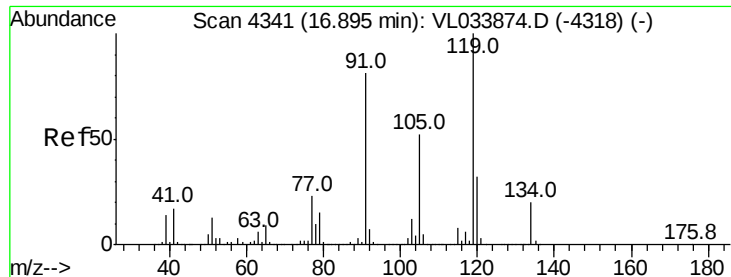
Delta R.T. 0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Tgt Ion:	120	Resp:	30503
Ion Ratio	Lower	Upper	
120	100		
91	536.6	387.0	580.6





#65

tert-Butylbenzene

Concen: 0.357 ppbv

RT: 16.90 min Scan# 4342

Delta R.T. 0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

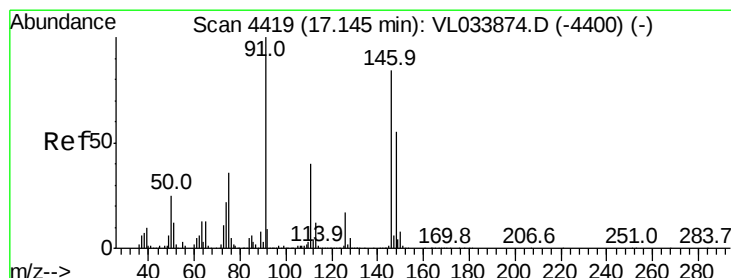
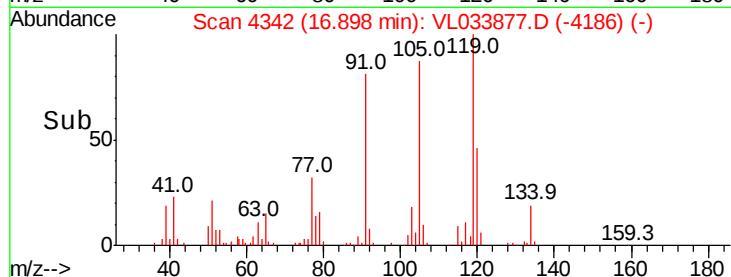
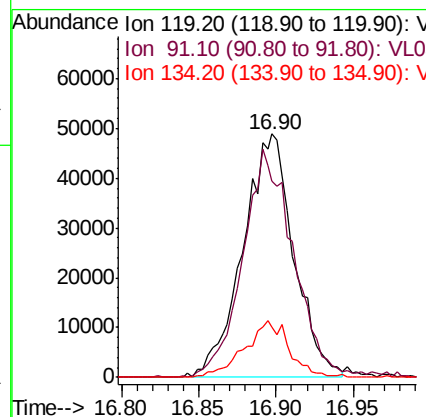
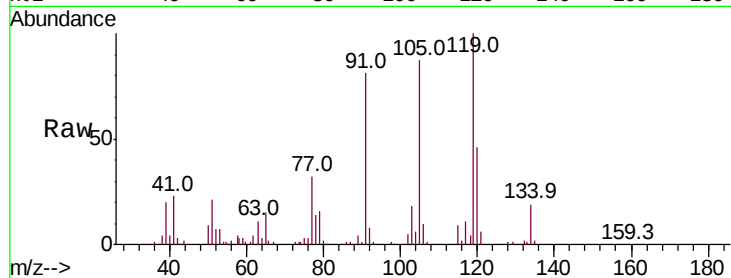
ClientSampleId :

VSTDIC0.5

Tot Ion:	119	Resp:	111882
Ion Ratio	Lower	Upper	
119	100		
91	94.0	66.6	100.0
134	20.5	15.5	23.3

Manual Integrations
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#66

Benzyl Chloride

Concen: 0.377 ppbv m

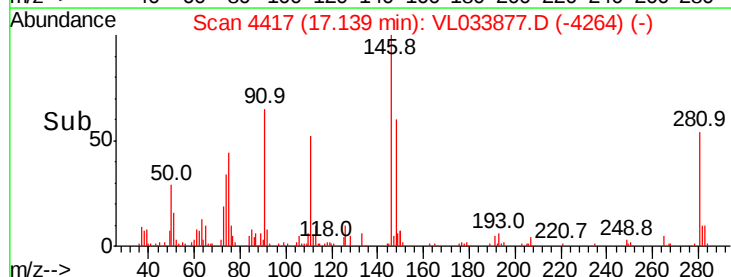
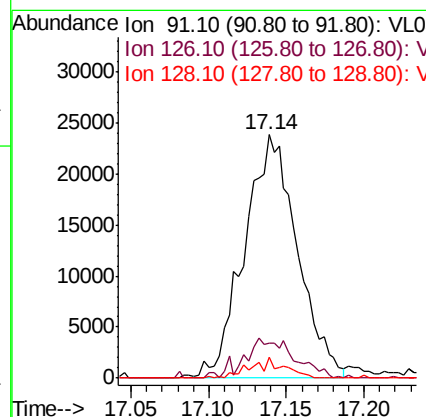
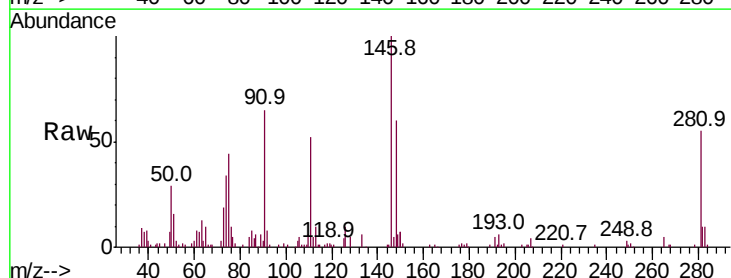
RT: 17.14 min Scan# 4417

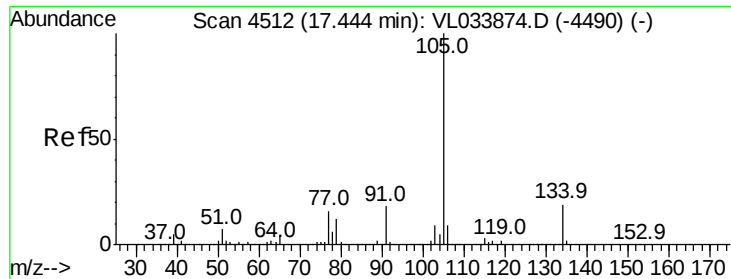
Delta R.T. -0.01 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Tgt Ion:	91	Resp:	56466
Ion Ratio	Lower	Upper	
91	100		
126	15.5	13.8	20.6
128	5.3	4.4	6.6





#67

sec-Butylbenzene

Concen: 0.360 ppbv

RT: 17.44 min Scan# 4512

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 105 Resp: 158012

Ion Ratio Lower Upper

105 100

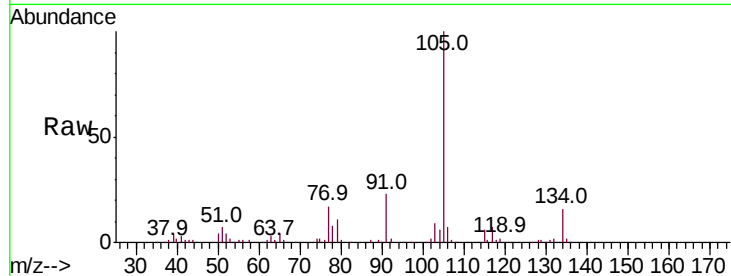
134 18.0 14.6 22.0

Manual Integrations

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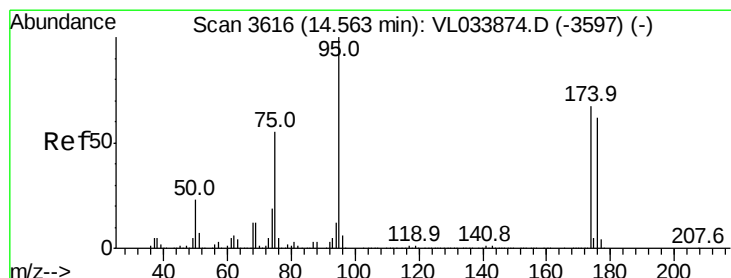
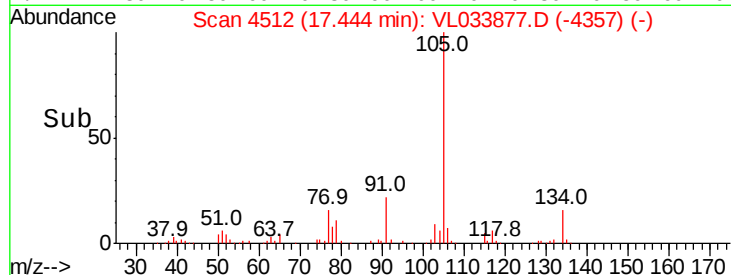
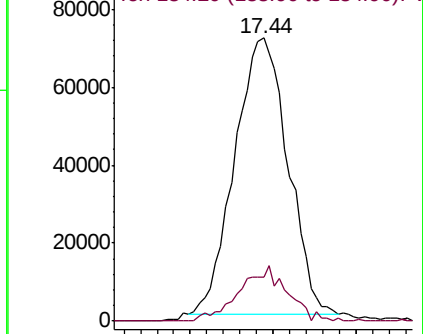
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.608 ppbv

RT: 14.56 min Scan# 3615

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

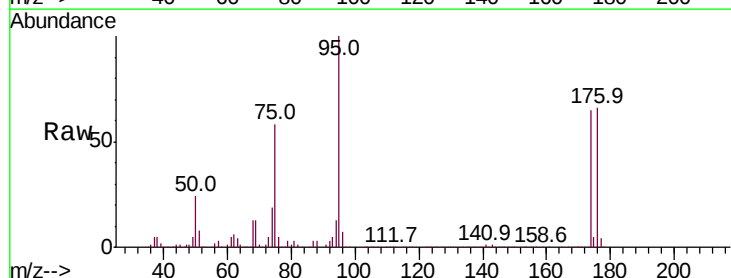
Tgt Ion: 95 Resp: 1882418

Ion Ratio Lower Upper

95 100

174 66.1 54.0 81.0

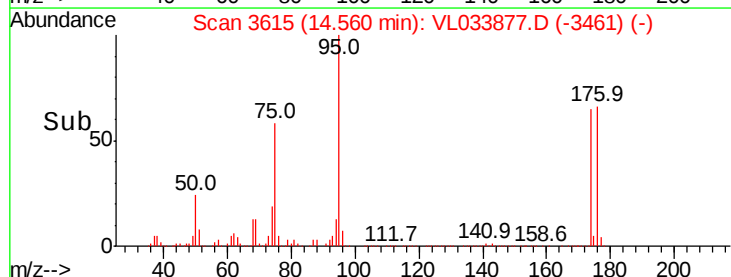
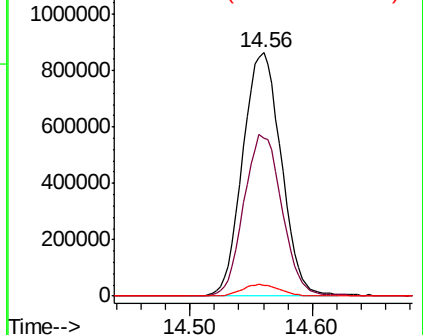
175 4.7 3.8 5.8

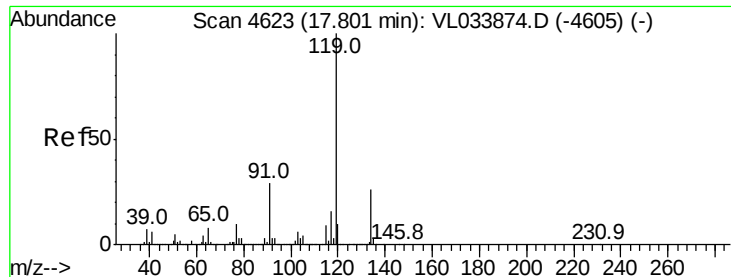


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





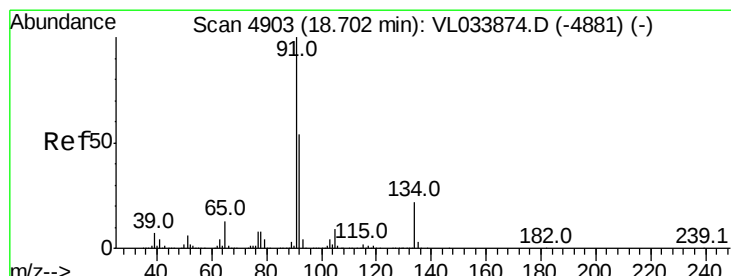
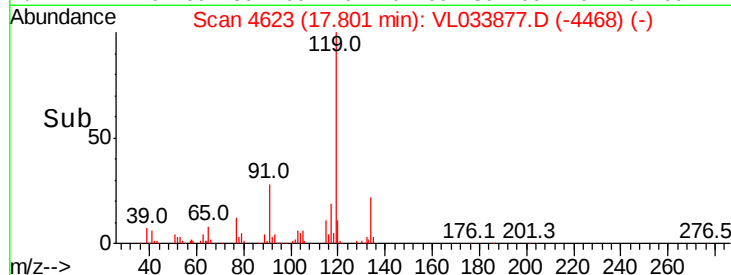
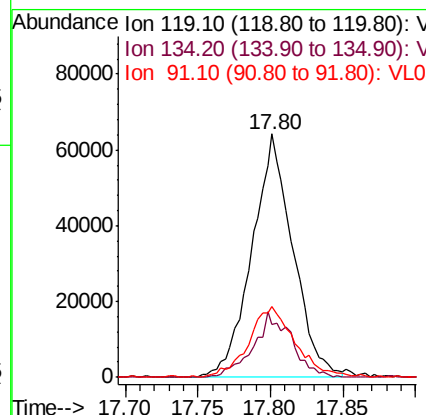
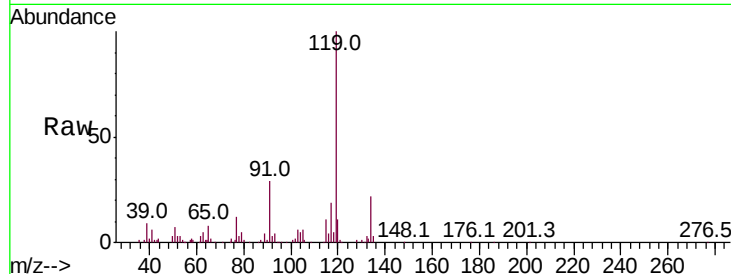
#69
 p-Isopropyltoluene
 Concen: 0.348 ppbv
 RT: 17.80 min Scan# 4623
 Delta R.T. -0.00 min
 Lab File: VL033877.D
 Acq: 7 Jun 2019 3:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	126335		
134	24.9	20.3	30.5	
91	33.3	23.8	35.6	

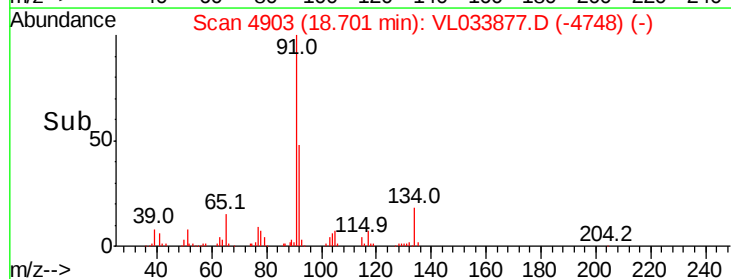
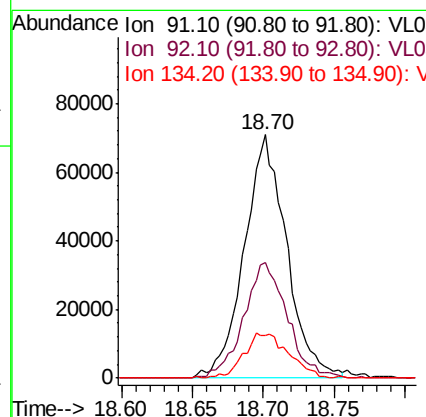
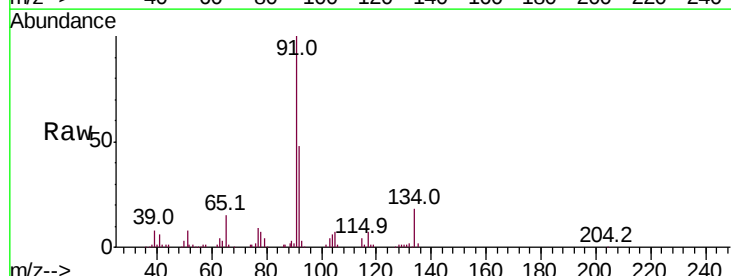
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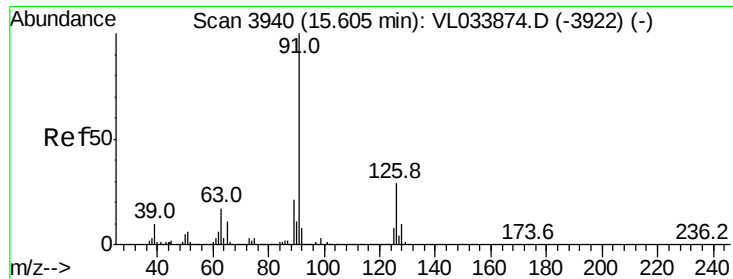
MMDadoda
 6/11/2019 9:18:27 AM



#70
 n-Butylbenzene
 Concen: 0.377 ppbv m
 RT: 18.70 min Scan# 4903
 Delta R.T. -0.00 min
 Lab File: VL033877.D
 Acq: 7 Jun 2019 3:59

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	147325		
92	48.9	42.5	63.7	
134	19.9	17.8	26.6	





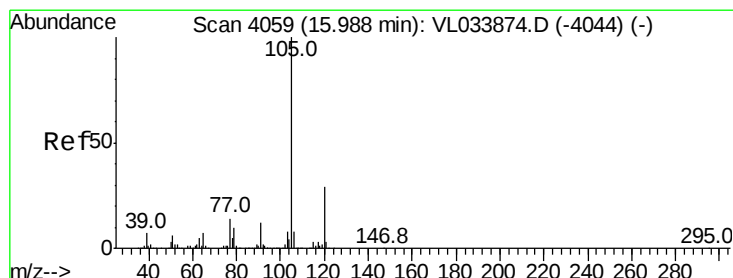
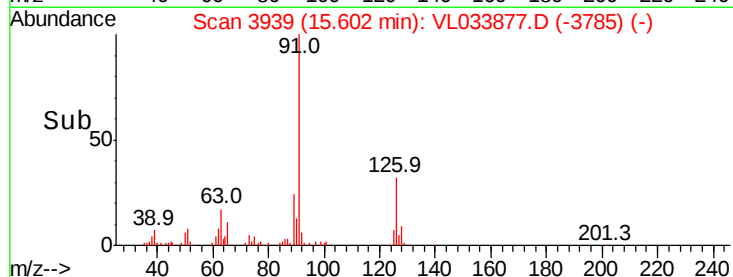
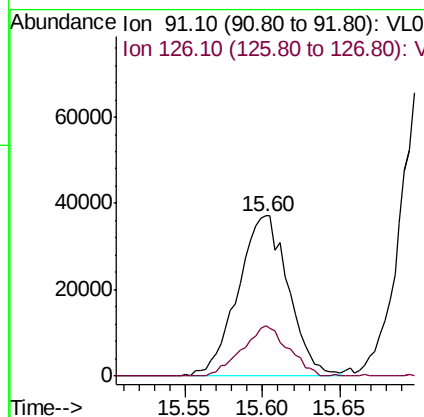
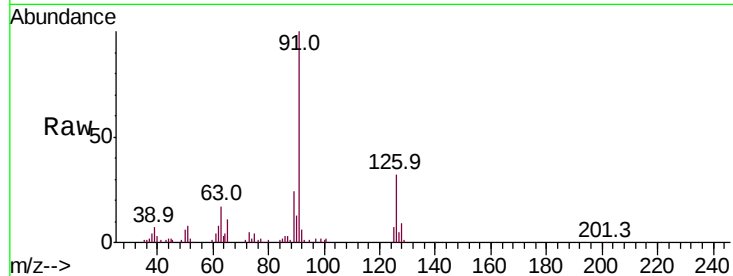
#71
 2-Chlorotoluene
 Concen: 0.332 ppbv
 RT: 15.60 min Scan# 3939
 Delta R.T. -0.00 min
 Lab File: VL033877.D
 Acq: 7 Jun 2019 3:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
91	100		
126	28.6	12.0	48.2

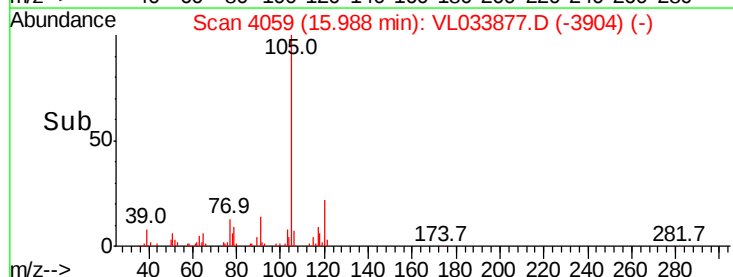
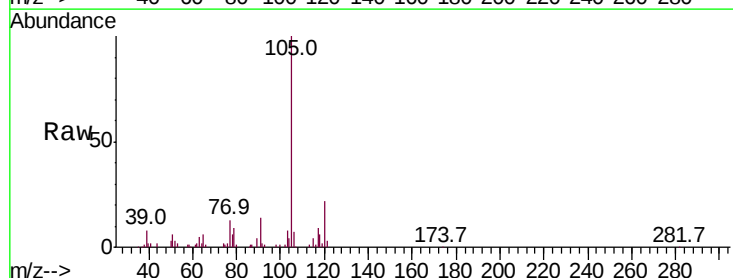
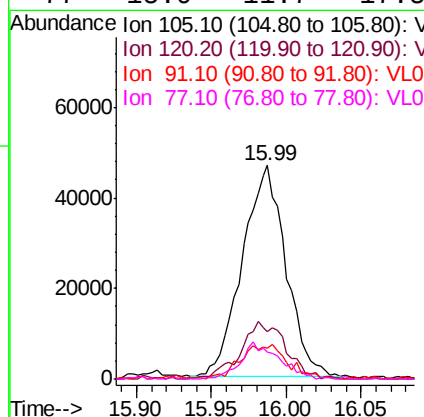
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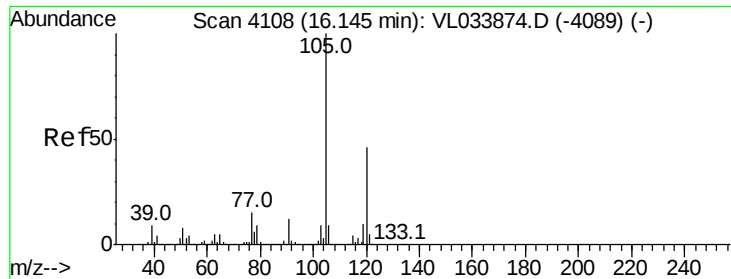
MMDadoda
 6/11/2019 9:18:27 AM



#72
 4-Ethyltoluene
 Concen: 0.324 ppbv
 RT: 15.99 min Scan# 4059
 Delta R.T. -0.00 min
 Lab File: VL033877.D
 Acq: 7 Jun 2019 3:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.3	23.5	35.3
91	17.6	10.4	15.6#
77	15.9	11.7	17.5





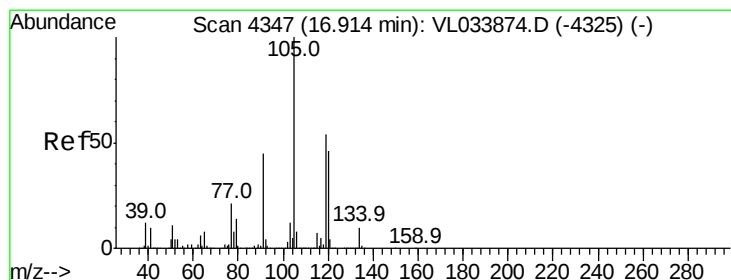
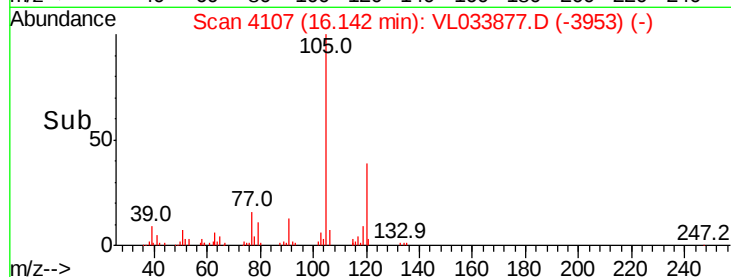
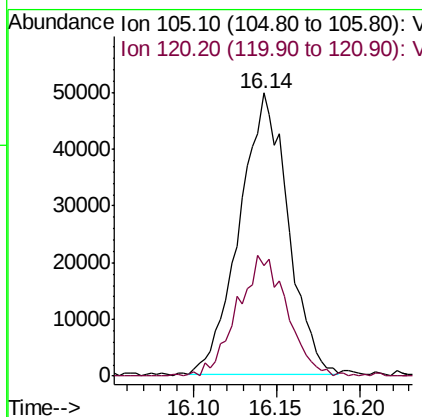
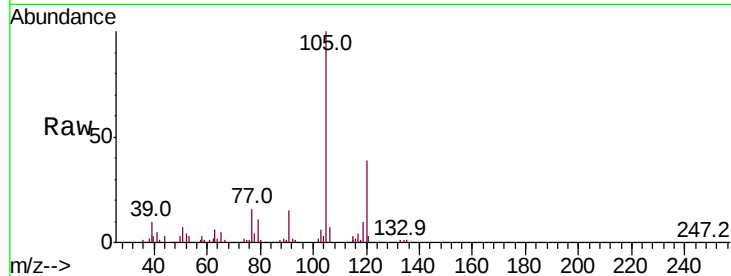
#73
 1,3,5-Trimethylbenzene
 Concen: 0.354 ppbv
 RT: 16.14 min Scan# 4107
 Delta R.T. -0.00 min
 Lab File: VL033877.D
 Acq: 7 Jun 2019 3:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
105	100		
120	42.1	37.1	55.7

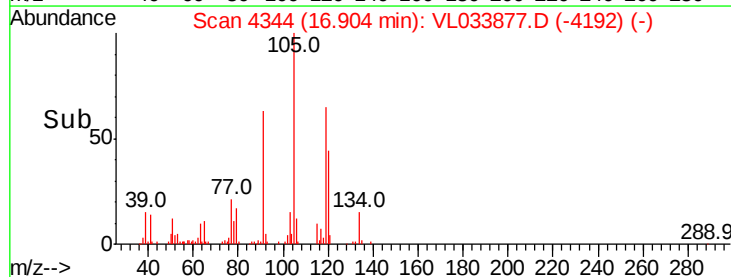
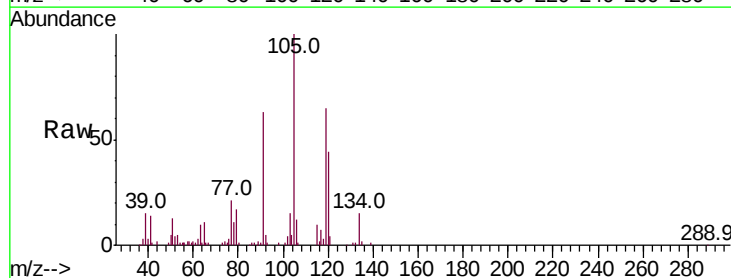
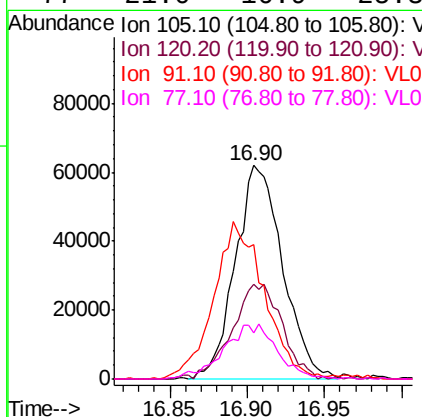
Manual Integrations
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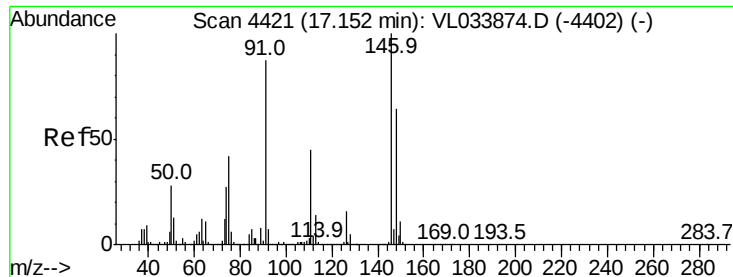
MMDadoda
 6/11/2019 9:18:27 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.425 ppbv
 RT: 16.90 min Scan# 4344
 Delta R.T. -0.01 min
 Lab File: VL033877.D
 Acq: 7 Jun 2019 3:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	36.7	55.1
91	62.1	35.8	53.8#
77	21.0	16.9	25.3





#75

1,3-Dichlorobenzene

Concen: 0.501 ppbv

RT: 17.15 min Scan# 4420

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

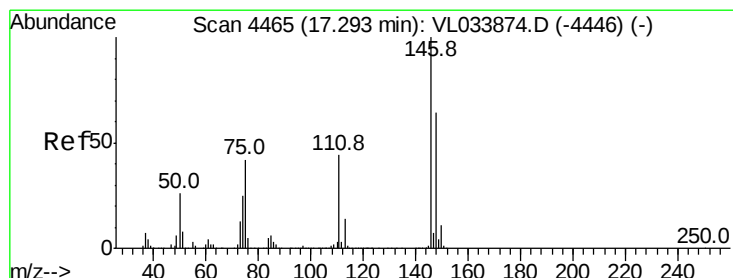
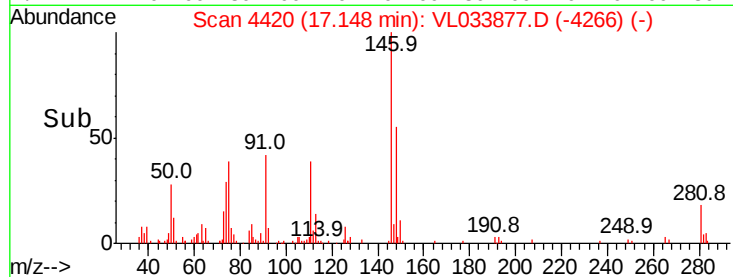
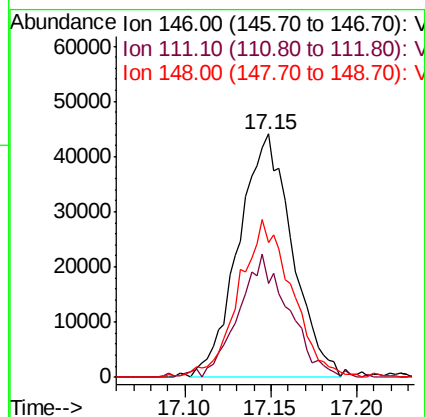
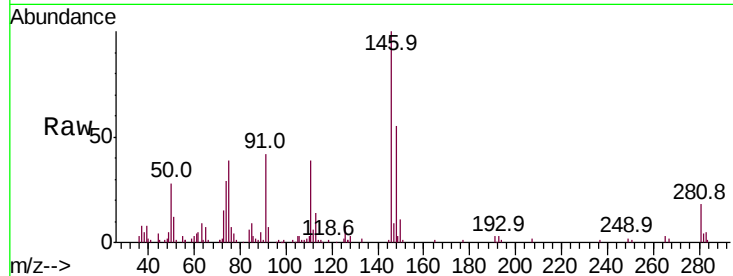
ClientSampleId :

VSTDIC0.5

Tot Ion:	146	Resp:	95599
Ion Ratio	Lower	Upper	
146	100		
111	48.0	22.8	68.3
148	64.7	32.2	96.6

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 0.414 ppbv

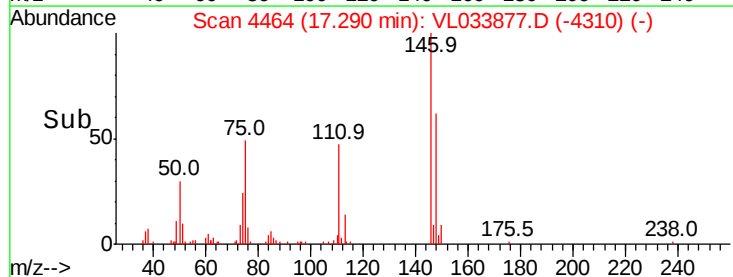
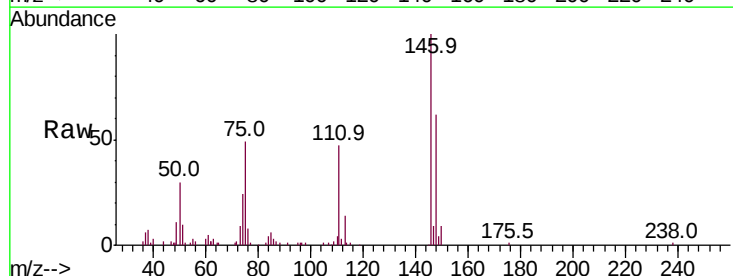
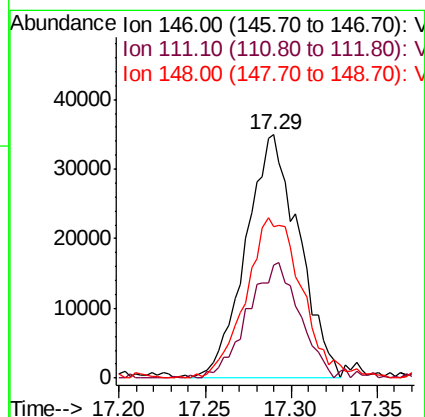
RT: 17.29 min Scan# 4464

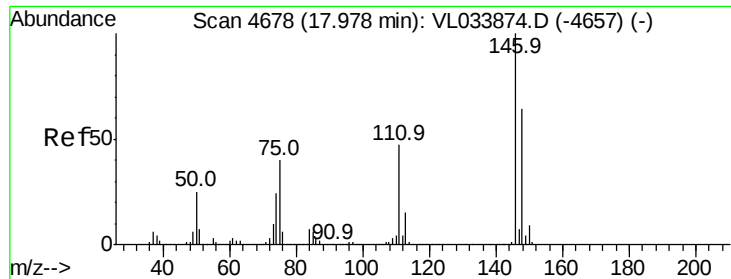
Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Tgt Ion:	146	Resp:	74883
Ion Ratio	Lower	Upper	
146	100		
111	47.9	22.1	66.5
148	70.3	32.4	97.0





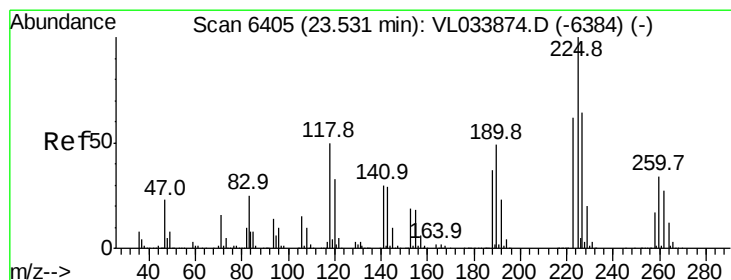
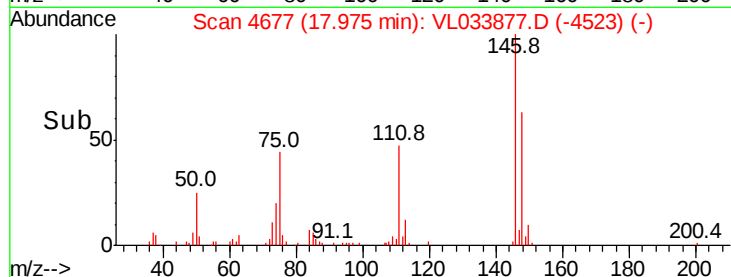
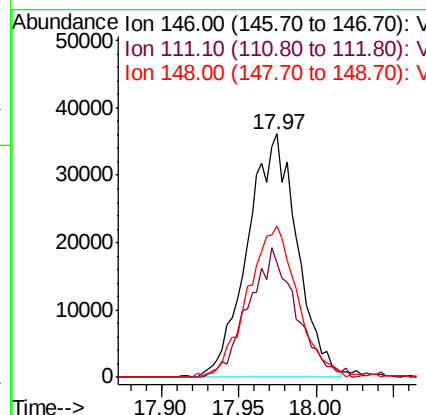
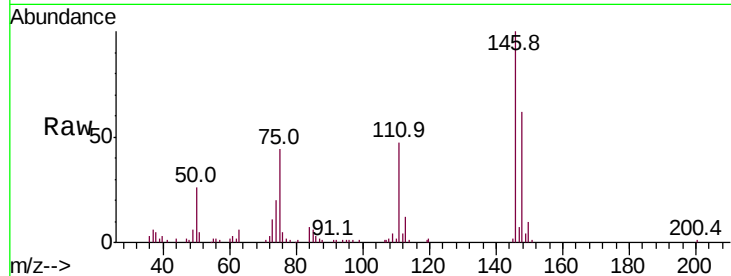
#77
 1,2-Dichlorobenzene
 Concen: 0.450 ppbv m
 RT: 17.97 min Scan# 4677
 Delta R.T. -0.00 min
 Lab File: VL033877.D
 Acq: 7 Jun 2019 3:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.8	23.4	70.0
148	63.1	31.8	95.4

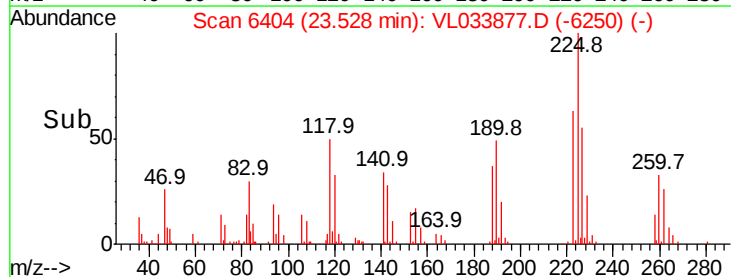
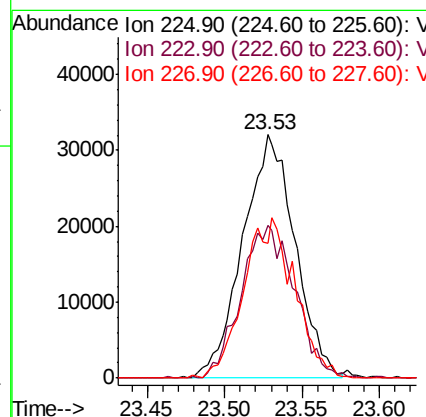
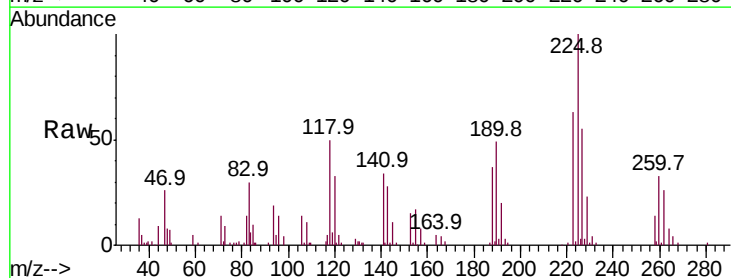
Manual Integrations
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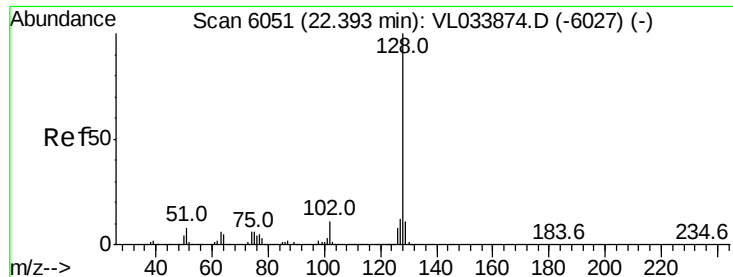
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.560 ppbv
 RT: 23.53 min Scan# 6404
 Delta R.T. -0.00 min
 Lab File: VL033877.D
 Acq: 7 Jun 2019 3:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	50.8	76.2
227	64.2	51.8	77.6





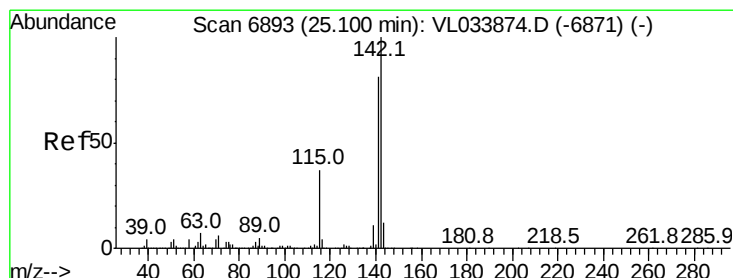
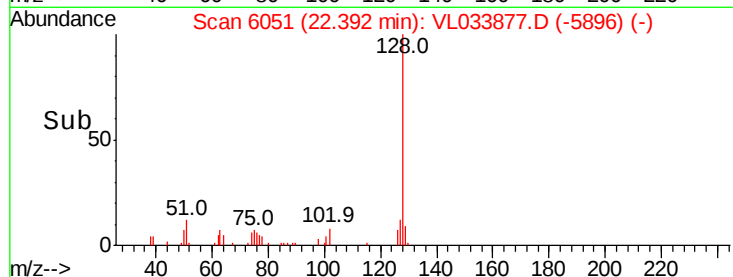
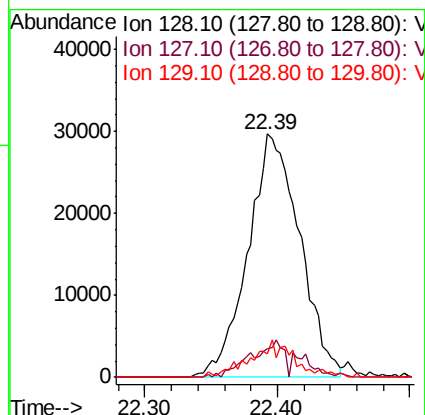
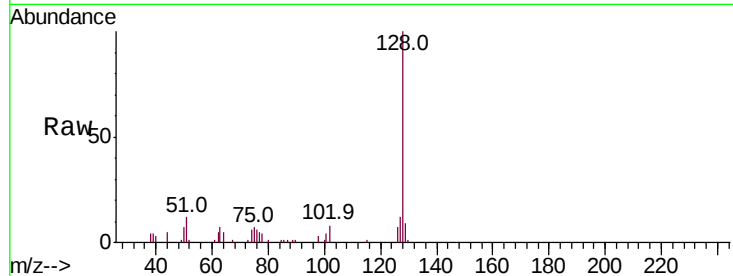
#79
Naphthalene
Concen: 0.290 ppbv
RT: 22.39 min Scan# 6051
Delta R.T. -0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
128	100	80821		
127	12.0		9.7	14.5
129	9.5		8.6	12.8

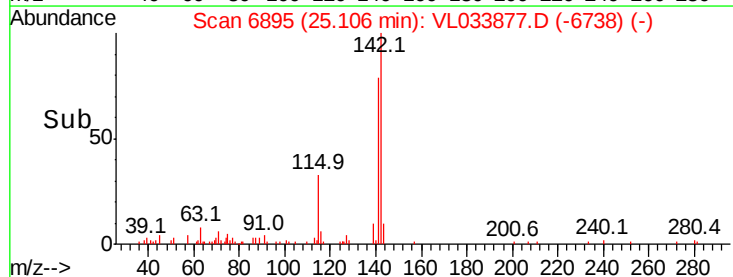
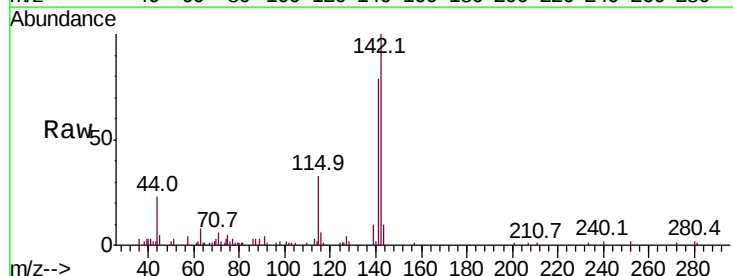
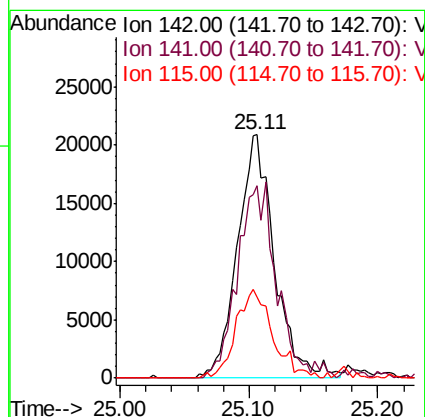
Manual Integrations
APPROVED

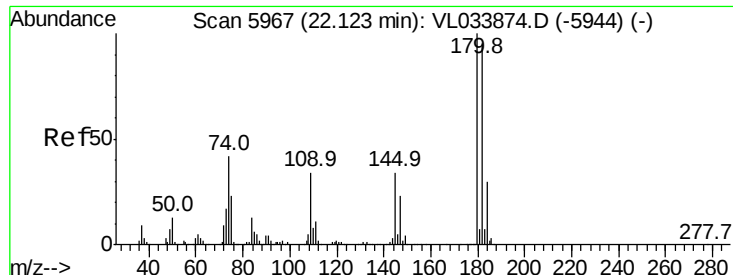
MMDadoda
6/11/2019 9:18:27 AM



#80
Naphthalene, 2-methyl-
Concen: 0.416 ppbv
RT: 25.11 min Scan# 6895
Delta R.T. 0.01 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	41745		
141	84.4		65.7	98.5
115	38.3		28.9	43.3





#81
 1,2,4-Trichlorobenzene
 Concen: 0.358 ppbv m
 RT: 22.12 min Scan# 5966
 Delta R.T. -0.00 min
 Lab File: VL033877.D
 Acq: 7 Jun 2019 3:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	0.0	76.9	115.3#
184	0.0	24.5	36.7#

Manual Integrations
 APPROVED

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 6/11/2019 9:18:27 AM

