

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031319\
 Data File : VL033301.D
 Acq On : 13 Mar 2019 17:49
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 10:41:42 PM

Quant Time: Mar 14 00:02:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 14 00:02:28 2019
 QLast Update : Wed Mar 13 17:31:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	794562	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1823005	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2048235	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.57	95	1573088	9.95	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	179964	1.121	ppbv	97
3) Chlorodifluoromethane	3.01	51	109428	1.038	ppbv	100
4) Chloromethane	3.17	50	59301	1.052	ppbv	100
5) Vinyl Chloride	3.29	62	56474	1.026	ppbv	92
6) Bromomethane	3.52	94	35338	1.051	ppbv	98
7) Chloroethane	3.60	64	20315	1.021	ppbv #	88
8) Dichlorotetrafluoroethane	3.22	85	147623	1.088	ppbv	99
9) Propene	3.03	41	49524	1.031	ppbv	97
10) Heptane	8.25	43	111842	1.033	ppbv	98
11) Trichlorofluoromethane	4.00	101	156207	0.983	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	106364	1.170	ppbv	93
13) Ethanol	3.66	45	18244m	1.245	ppbv	
14) Bromoethene	3.79	108	43103	1.017	ppbv	98
15) Acetone	3.91	43	122934	1.009	ppbv	97
16) 1,3-Butadiene	3.36	39	44332	1.007	ppbv	87
17) tert-Butyl alcohol	4.37	59	22079m	1.350	ppbv	
18) 1,1-Dichloroethene	4.35	96	43614	1.084	ppbv	97
19) Isopropyl Alcohol	4.03	45	71857	0.976	ppbv #	95
20) Methylene Chloride	4.40	84	52282m	1.290	ppbv	
21) Allyl Chloride	4.48	41	64823	1.070	ppbv	94
22) trans-1,2-Dichloroethene	4.96	96	45256	1.055	ppbv	84
23) Vinyl Acetate	5.16	43	158070	1.035	ppbv	98
24) 1,1-Dichloroethane	5.09	63	117826	1.064	ppbv	96
25) Ethyl Acetate	5.77	43	209067	1.113	ppbv	98
26) Hexane	5.78	57	102007	1.157	ppbv	93
27) Carbon Disulfide	4.62	76	95960	1.026	ppbv	96
28) Methyl tert-Butyl Ether	5.12	73	133379	1.066	ppbv	100
29) Chloroform	5.84	83	150544	1.122	ppbv	94
30) Cyclohexane	7.25	84	71990	1.053	ppbv	95
31) cis-1,2-Dichloroethene	5.64	61	90595	1.072	ppbv	97
32) 1,1,1-Trichloroethane	6.61	97	136612	1.045	ppbv	97
34) 2-Butanone	5.33	43	132200	1.097	ppbv	98
35) Carbon Tetrachloride	7.13	117	140304	1.053	ppbv	96
36) Benzene	7.00	78	183124	1.089	ppbv	99
37) 1,2-Dichloroethane	6.41	62	115874	1.149	ppbv	99
38) Trichloroethene	7.96	130	72908m	1.112	ppbv	
39) 1,2-Dichloropropane	7.73	63	67460	1.066	ppbv	88
40) 1,4-Dioxane	7.97	88	24952m	1.048	ppbv	
41) Tetrahydrofuran	6.16	42	71050	1.062	ppbv	99
42) Bromodichloromethane	7.91	83	151172	1.089	ppbv #	95
43) Methyl Methacrylate	8.14	69	68473	1.045	ppbv	94

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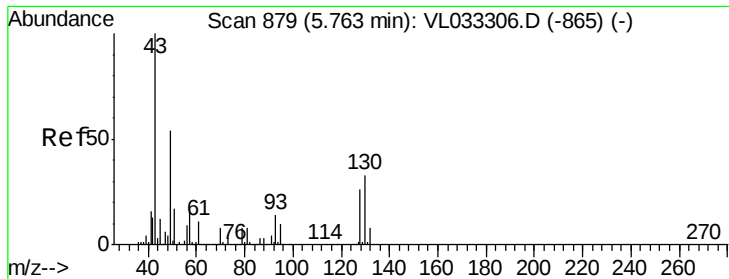
Manual Integrations
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Quant Time: Mar 14 00:02:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar 14 00:02:28 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	321525	1.126	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	74405	0.924	ppbv	95
46) cis-1,3-Dichloropropene	8.83	75	94764	1.004	ppbv	99
47) 1,1,2-Trichloroethane	9.61	97	74920	1.109	ppbv	94
48) Dibromochloromethane	10.45	129	125155	1.130	ppbv	97
49) Bromoform	13.20	173	97994	1.091	ppbv	98
50) 4-Methyl-2-Pentanone	8.88	43	186613	1.085	ppbv	99
51) 2-Hexanone	10.28	43	139087m	1.059	ppbv	
52) Tetrachloroethene	11.37	164	73099	1.186	ppbv	90
53) Toluene	9.94	91	204524	1.055	ppbv	99
54) 1,2-Dibromoethane	10.76	107	122805	1.183	ppbv	92
56) 1,1,1,2-Tetrachloroethane	12.28	131	95024m	1.091	ppbv	
57) Chlorobenzene	12.30	112	177695	1.150	ppbv	97
58) Ethyl Benzene	12.86	91	308845	1.097	ppbv	95
59) m/p-Xylene	13.14	91	526918m	2.239	ppbv	
60) o-Xylene	13.85	91	251951	1.113	ppbv	98
61) Styrene	13.68	104	168201	1.044	ppbv	99
62) Isopropylbenzene	14.82	105	352768	1.119	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	172804	1.139	ppbv	99
64) n-propylbenzene	15.72	120	86993	1.121	ppbv	97
65) tert-Butylbenzene	16.90	119	298210	1.120	ppbv	97
66) Benzyl Chloride	17.15	91	86892m	0.843	ppbv	
67) sec-Butylbenzene	17.46	105	420384	1.110	ppbv	100
69) p-Isopropyltoluene	17.81	119	330100m	1.079	ppbv	
70) n-Butylbenzene	18.71	91	349683	1.064	ppbv	97
71) 2-Chlorotoluene	15.62	91	258577	1.088	ppbv	100
72) 4-Ethyltoluene	16.00	105	254720	1.042	ppbv	96
73) 1,3,5-Trimethylbenzene	16.16	105	236105	1.025	ppbv	100
74) 1,2,4-Trimethylbenzene	16.92	105	246704m	1.052	ppbv	
75) 1,3-Dichlorobenzene	17.17	146	161717m	1.150	ppbv	
76) 1,4-Dichlorobenzene	17.30	146	155128	1.116	ppbv	98
77) 1,2-Dichlorobenzene	17.99	146	155278m	1.109	ppbv	
78) Hexachloro-1,3-Butadiene	23.54	225	119797	1.027	ppbv	99
79) Naphthalene	22.41	128	158673m	0.625	ppbv	
80) Naphthalene,2-methyl-	25.12	142	6760	0.097	ppbv #	85
81) 1,2,4-Trichlorobenzene	22.14	180	101563m	0.760	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033301.D

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Instrument :

MSVOA_L

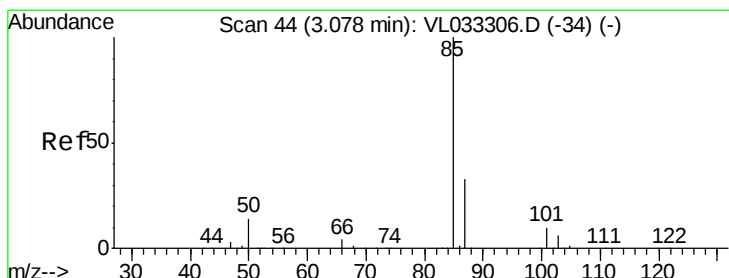
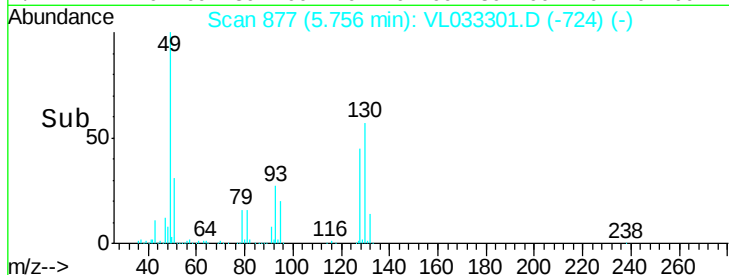
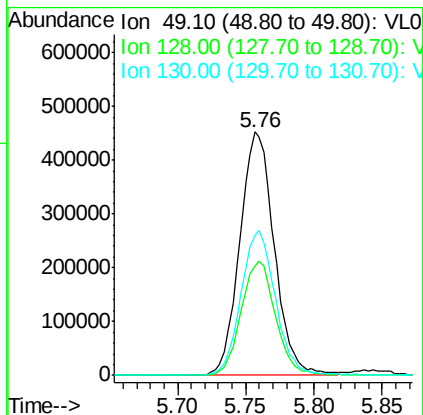
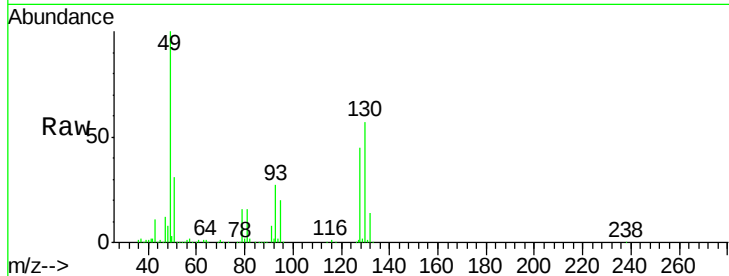
ClientSampleId :

VSTDIC001

Tgt Ion:	49	Resp:	794562
Ion Ratio	Lower	Upper	
49	100		
128	47.0	23.4	70.3
130	59.9	29.9	89.7

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#2

Dichlorodifluoromethane

Concen: 1.121 ppbv

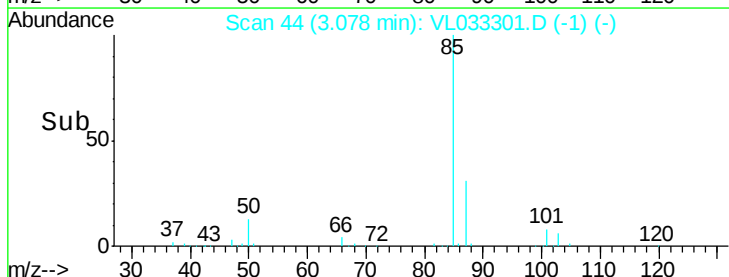
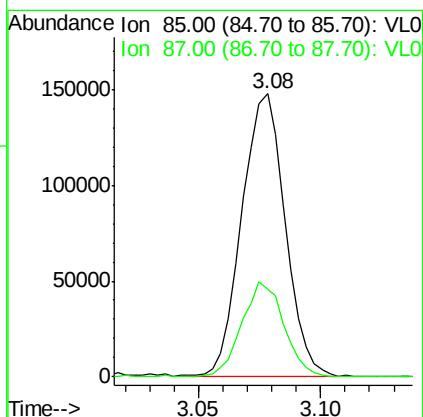
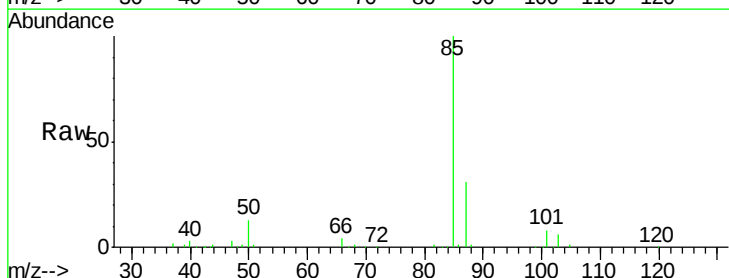
RT: 3.08 min Scan# 44

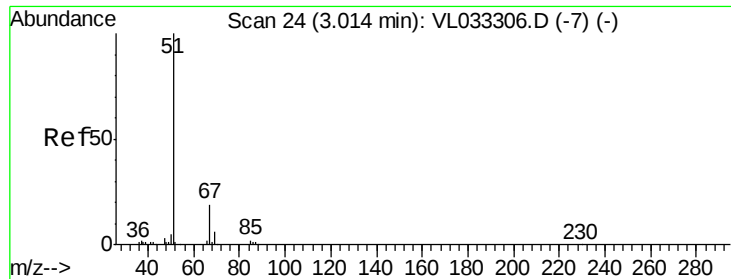
Delta R.T. -0.00 min

Lab File: VL033301.D

Acq: 13 Mar 2019 17:49

Tgt Ion:	85	Resp:	179964
Ion Ratio	Lower	Upper	
85	100		
87	30.9	25.8	38.8





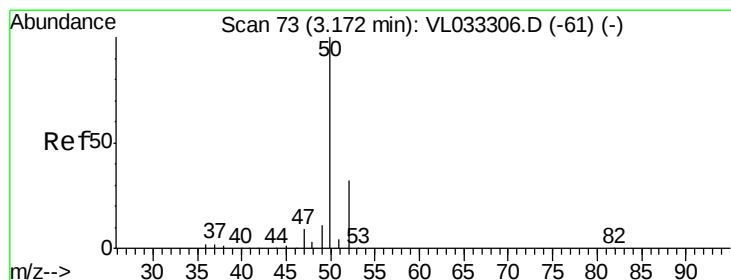
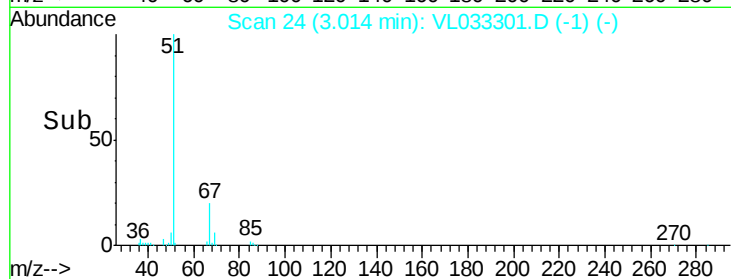
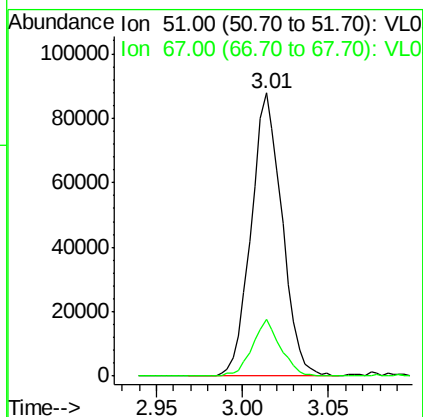
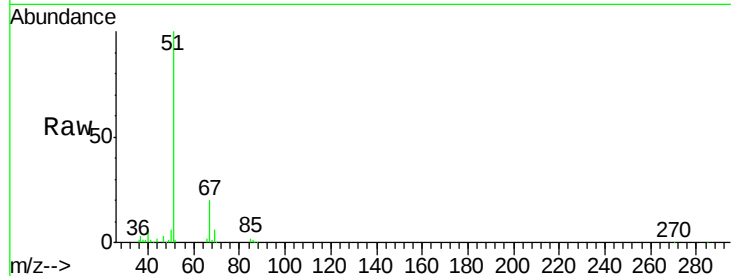
#3
Chlorodifluoromethane
Concen: 1.038 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 51 Resp: 109428
Ion Ratio Lower Upper
51 100
67 18.4 14.9 22.3

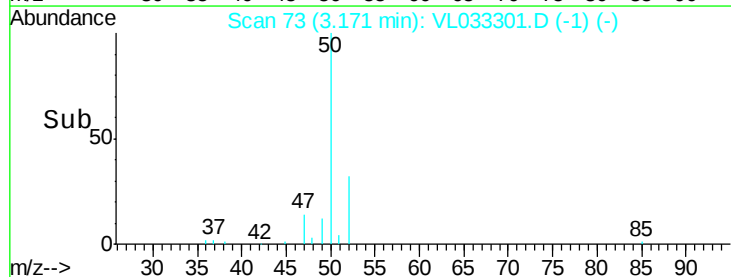
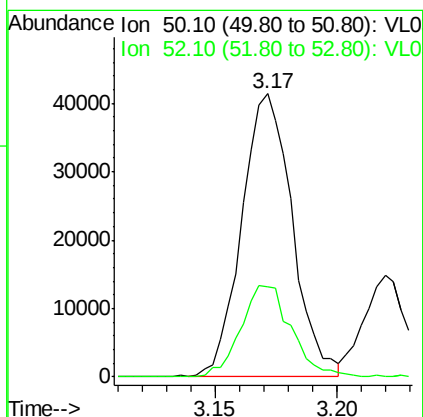
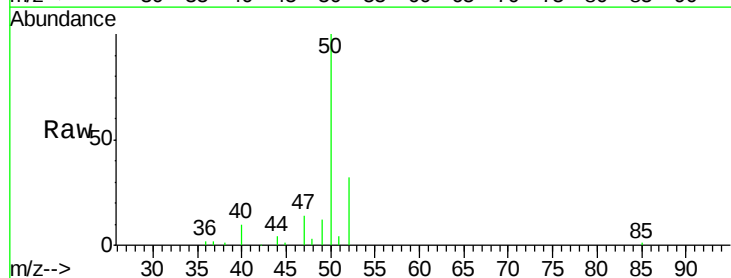
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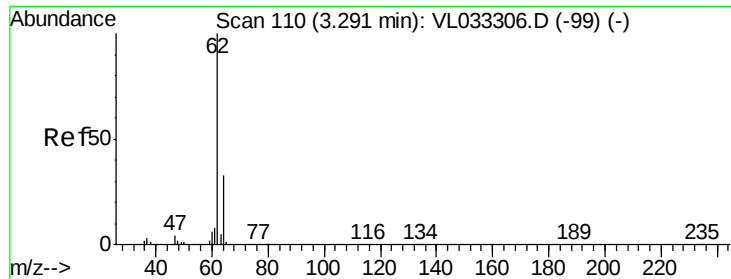
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#4
Chloromethane
Concen: 1.052 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 50 Resp: 59301
Ion Ratio Lower Upper
50 100
52 32.0 25.7 38.5





#5

Vinyl Chloride

Concen: 1.026 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033301.D

Acq: 13 Mar 2019 17:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 62 Resp: 56474

Ion Ratio Lower Upper

62 100

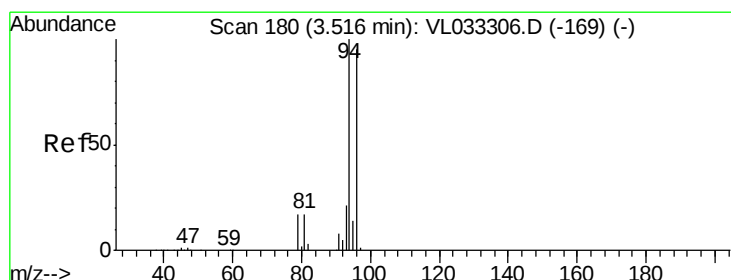
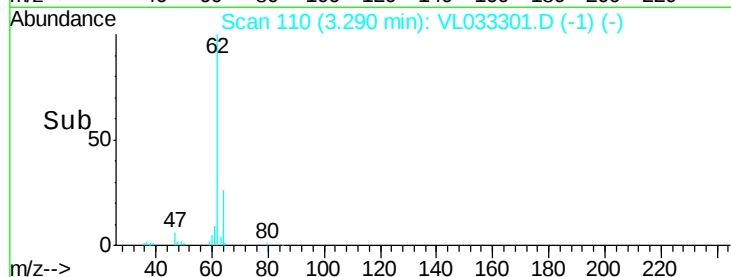
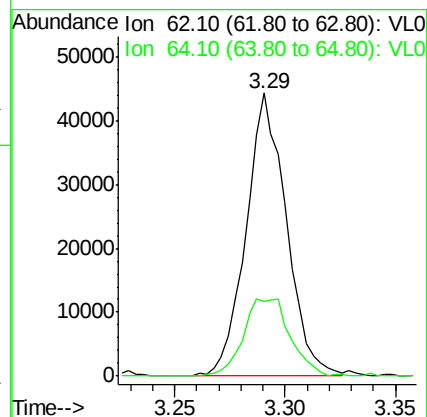
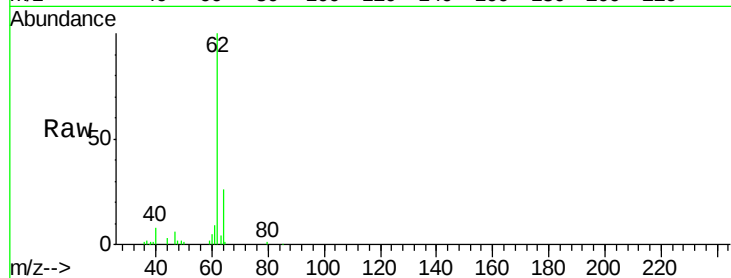
64 27.3 25.5 38.3

Manual Integrations

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#6

Bromomethane

Concen: 1.051 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033301.D

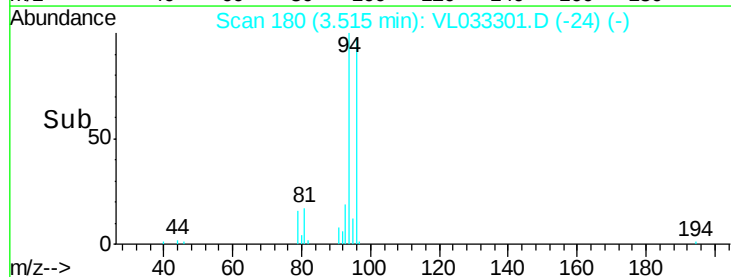
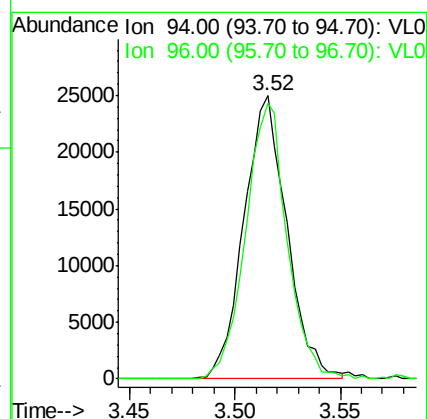
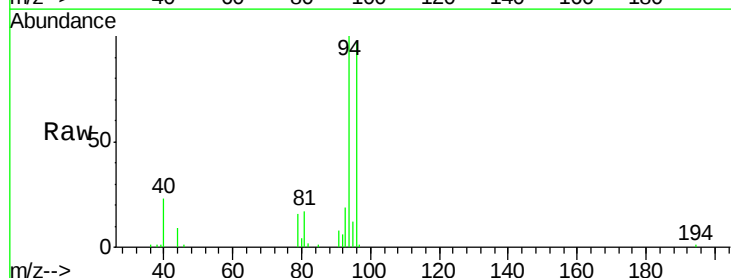
Acq: 13 Mar 2019 17:49

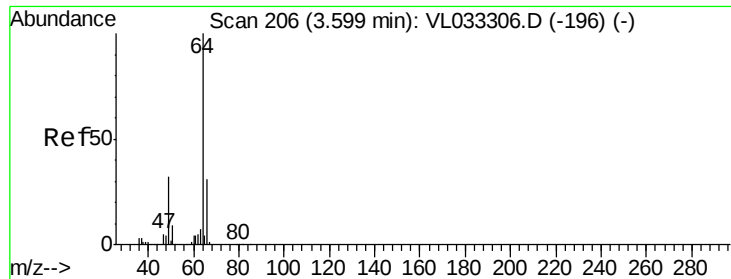
Tgt Ion: 94 Resp: 35338

Ion Ratio Lower Upper

94 100

96 97.3 76.2 114.4





#7

Chloroethane

Concen: 1.021 ppbv

RT: 3.60 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL033301.D

Acq: 13 Mar 2019 17:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 64 Resp: 20315

Ion Ratio Lower Upper

64 100

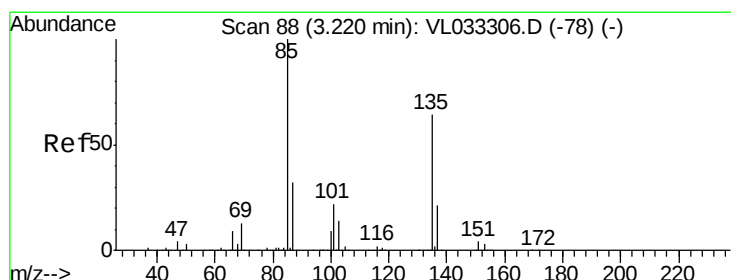
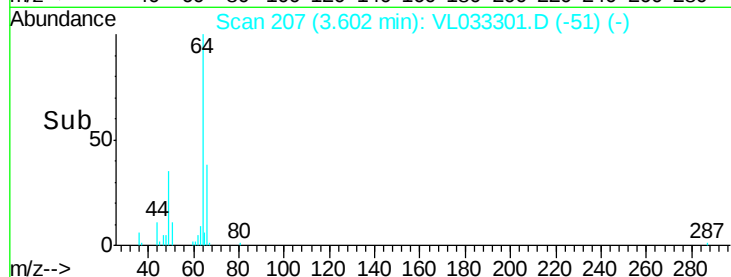
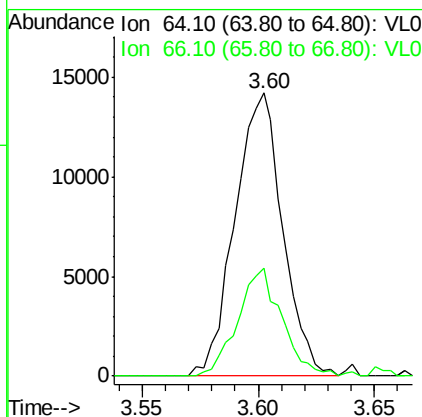
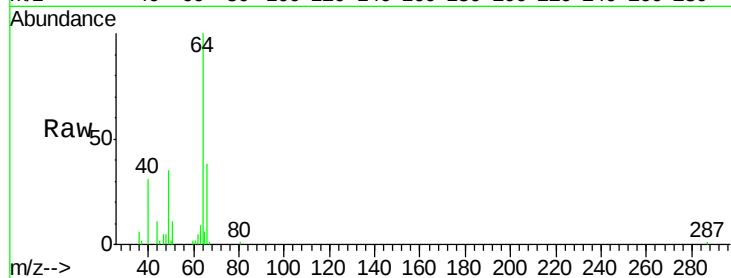
66 38.0 24.9 37.3#

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#8

Dichlorotetrafluoroethane

Concen: 1.088 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033301.D

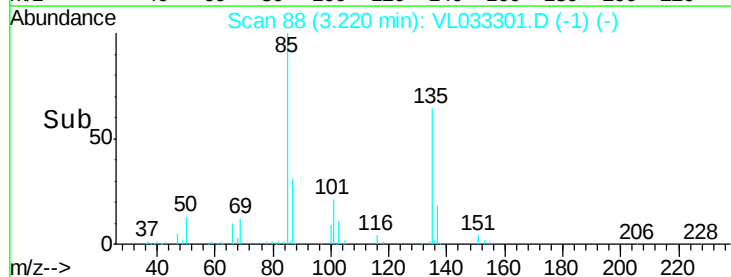
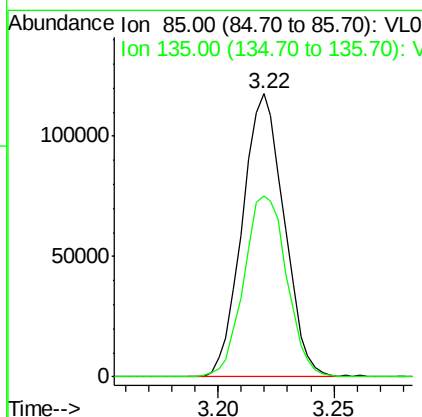
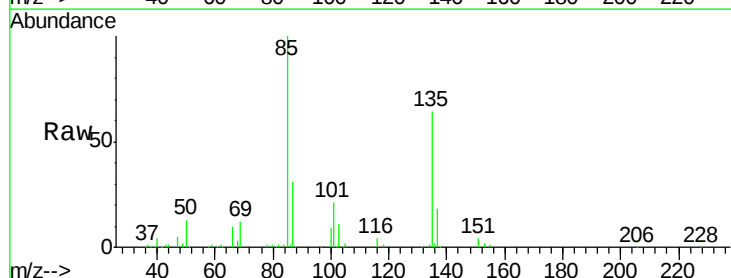
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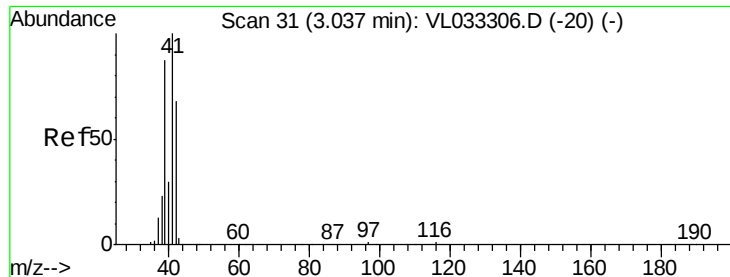
Tgt Ion: 85 Resp: 147623

Ion Ratio Lower Upper

85 100

135 65.4 52.9 79.3





#9

Propene

Concen: 1.031 ppbv

RT: 3.03 min Scan# 30

Delta R.T. -0.00 min

Lab File: VL033301.D

Acq: 13 Mar 2019 17:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 41 Resp: 49524

Ion Ratio Lower Upper

41 100

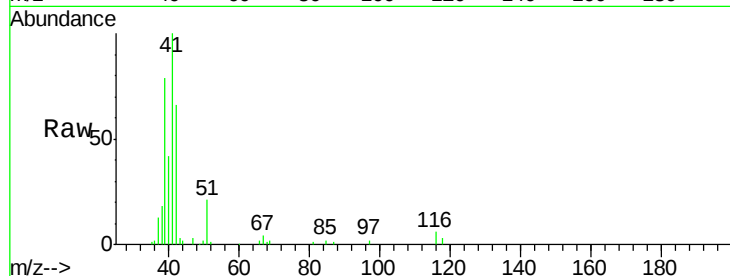
42 65.8 54.4 81.6

Manual Integrations

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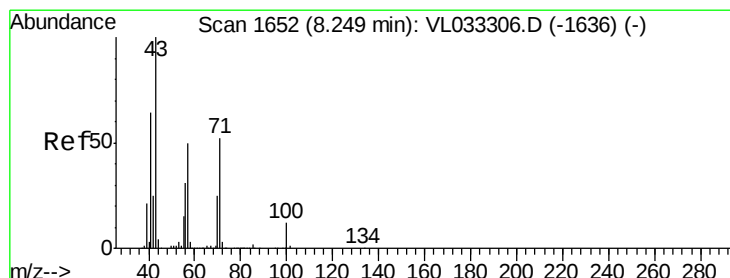
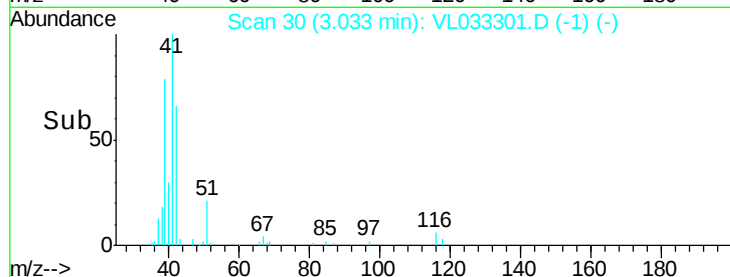
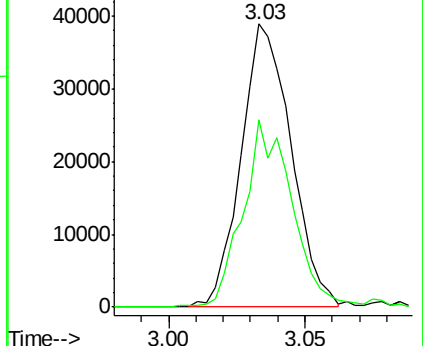
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 1.033 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.00 min

Lab File: VL033301.D

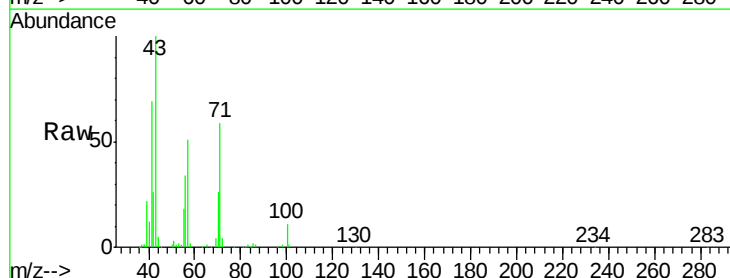
Acq: 13 Mar 2019 17:49

Tgt Ion: 43 Resp: 111842

Ion Ratio Lower Upper

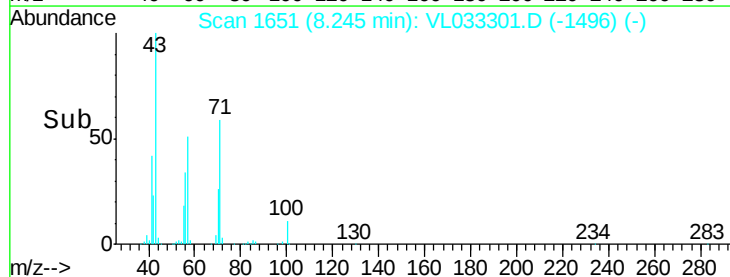
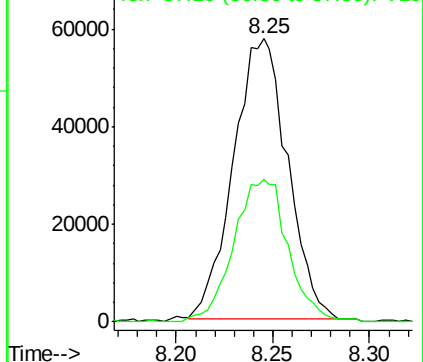
43 100

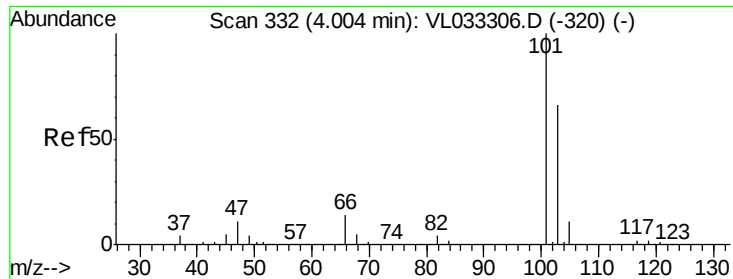
57 51.0 39.6 59.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





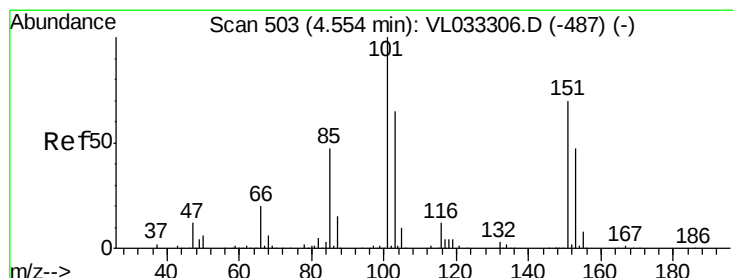
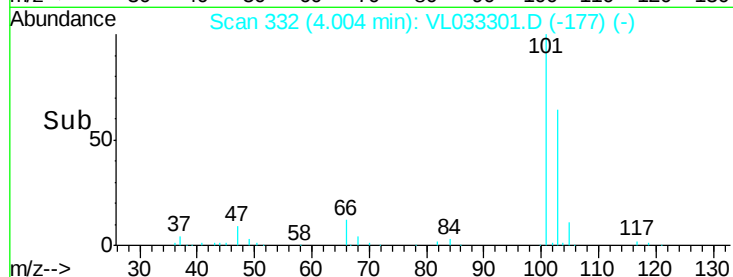
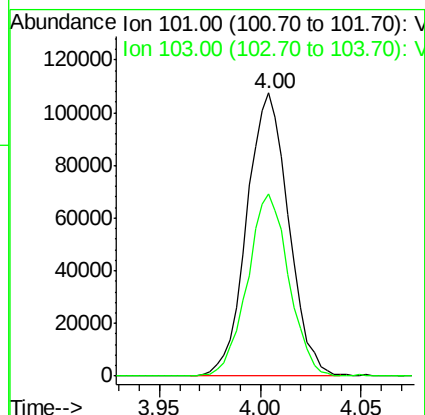
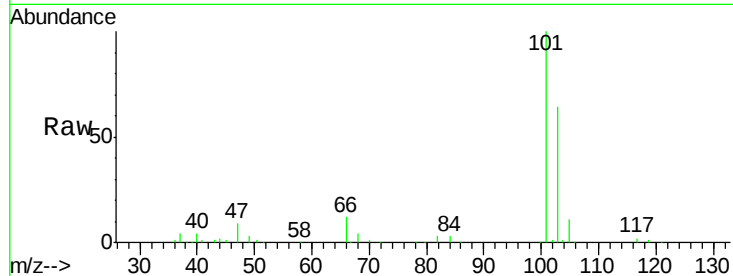
#11
 Trichlorofluoromethane
 Concen: 0.983 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. -0.00 min
 Lab File: VL033301.D
 Acq: 13 Mar 2019 17:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion:101 Resp: 156207
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.5 78.7

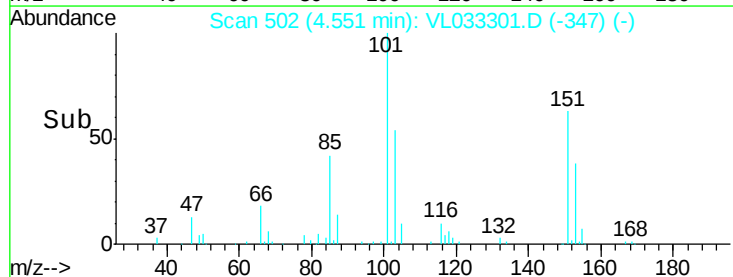
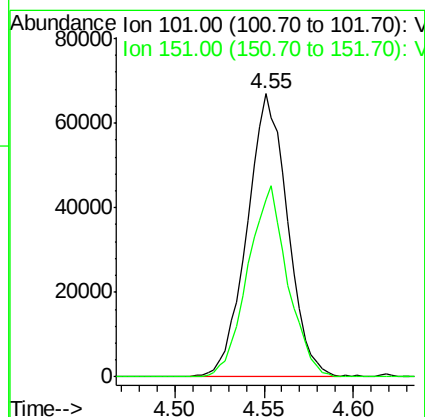
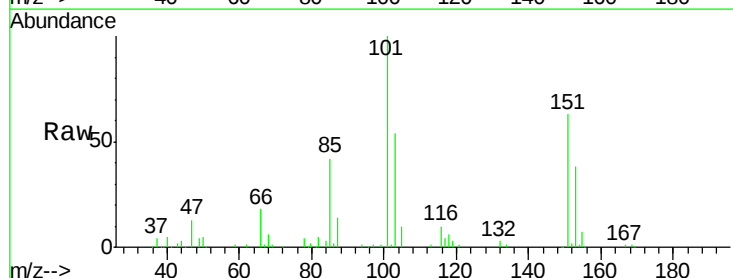
Manual Integrations
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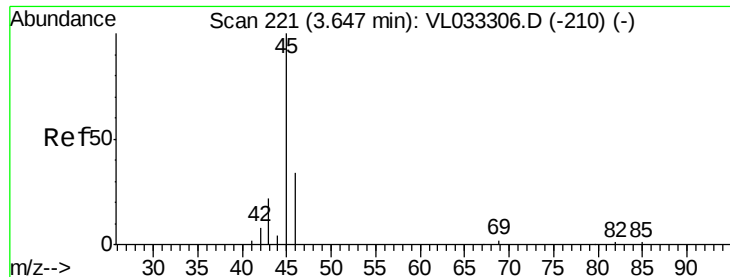
MMDadoda
 3/15/2019 10:41:42 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.170 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033301.D
 Acq: 13 Mar 2019 17:49

Tgt Ion:101 Resp: 106364
 Ion Ratio Lower Upper
 101 100
 151 66.1 57.2 85.8





#13

Ethanol

Concen: 1.245 ppbv m

RT: 3.66 min Scan# 224

Delta R.T. 0.01 min

Lab File: VL033301.D

Acq: 13 Mar 2019 17:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 45 Resp: 18244

Ion Ratio Lower Upper

45 100

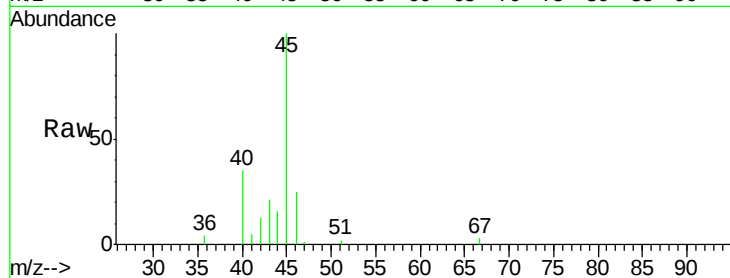
46 34.0 14.9 59.5

Manual Integrations

APPROVED

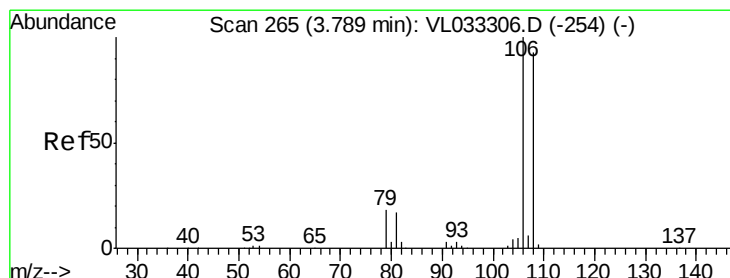
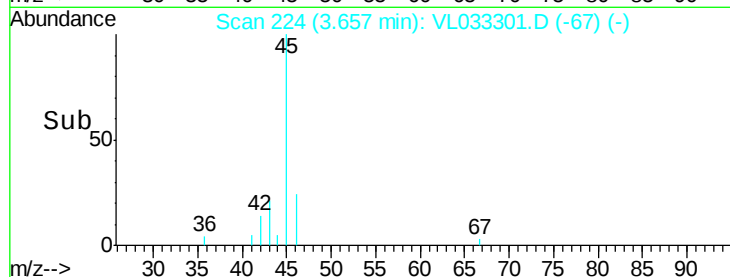
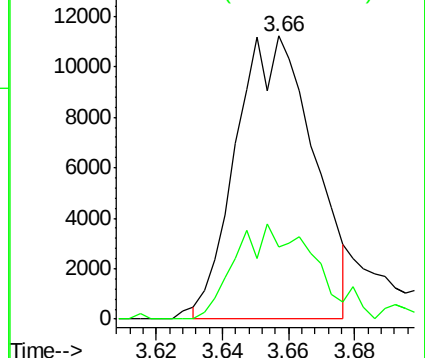
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 1.017 ppbv

RT: 3.79 min Scan# 265

Delta R.T. 0.00 min

Lab File: VL033301.D

Acq: 13 Mar 2019 17:49

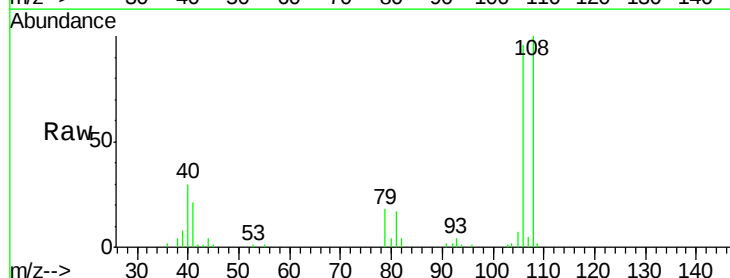
Tgt Ion: 108 Resp: 43103

Ion Ratio Lower Upper

108 100

106 104.9 85.1 127.7

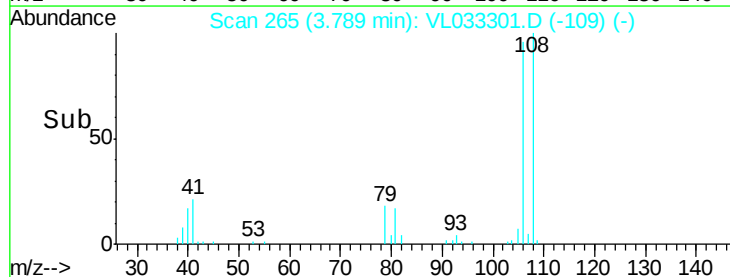
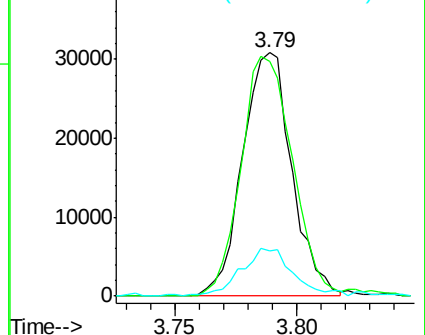
79 21.6 15.0 22.6

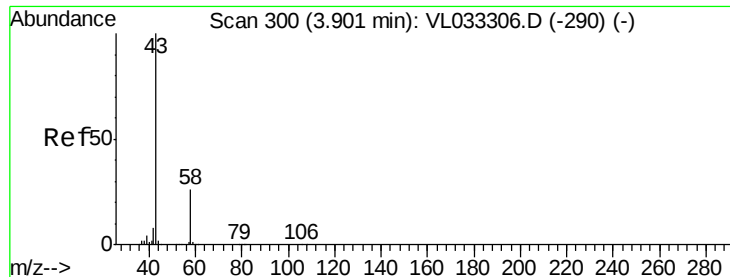


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 1.009 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.01 min

Lab File: VL033301.D

Acq: 13 Mar 2019 17:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 122934

Ion Ratio Lower Upper

43 100

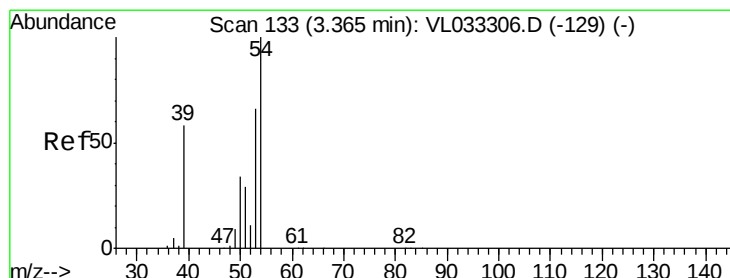
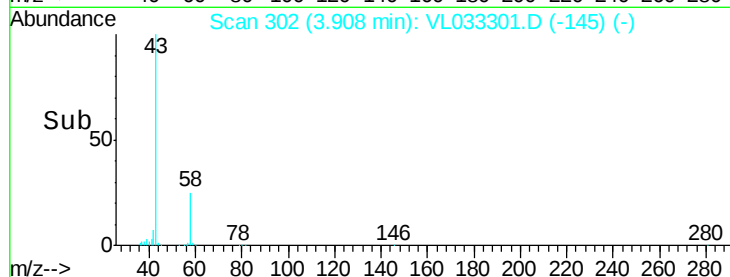
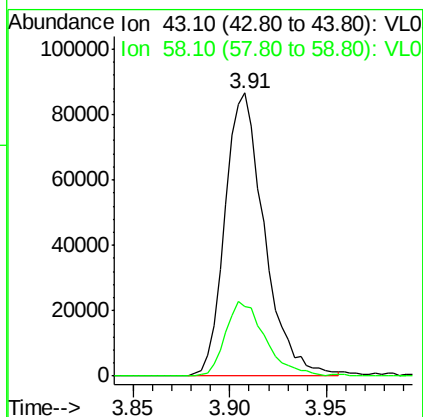
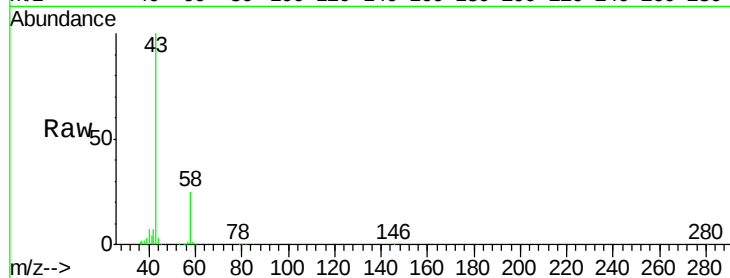
58 27.1 20.6 31.0

Manual Integrations

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#16

1,3-Butadiene

Concen: 1.007 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL033301.D

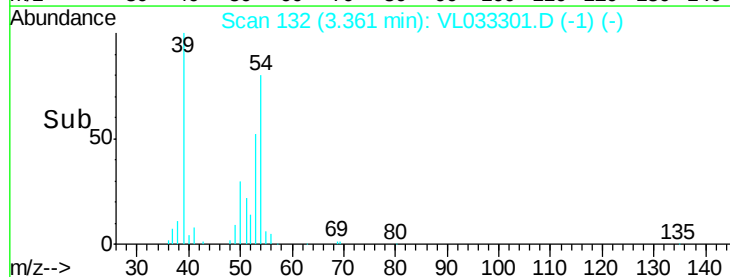
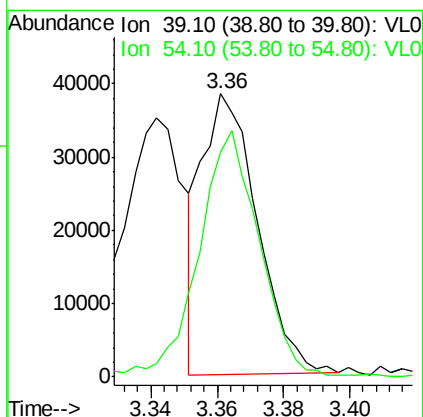
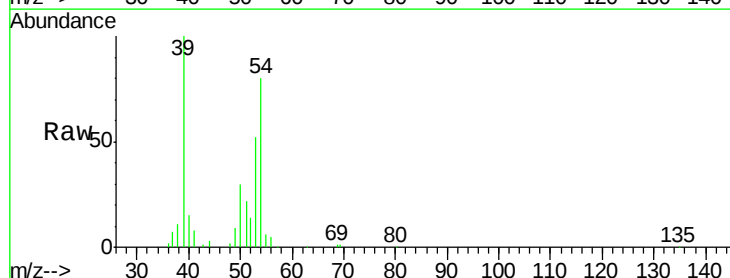
Acq: 13 Mar 2019 17:49

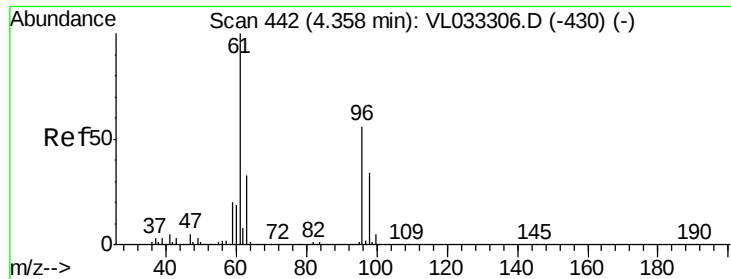
Tgt Ion: 39 Resp: 44332

Ion Ratio Lower Upper

39 100

54 97.0 68.4 102.6





#17

tert-Butyl alcohol

Concen: 1.350 ppbv m

RT: 4.37 min Scan# 445

Delta R.T. 0.01 min

Lab File: VL033301.D

Acq: 13 Mar 2019 17:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 59 Resp: 22079

Ion Ratio Lower Upper

59 100

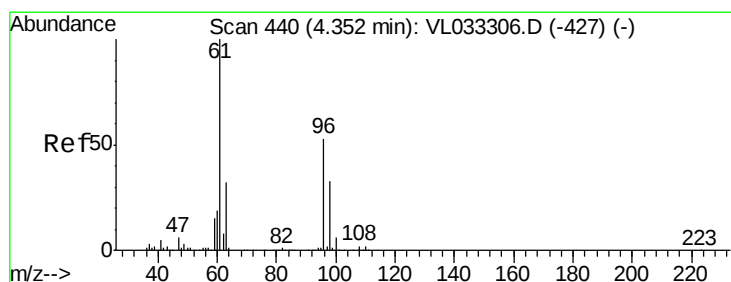
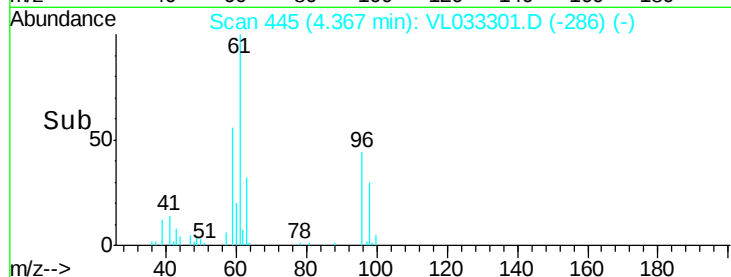
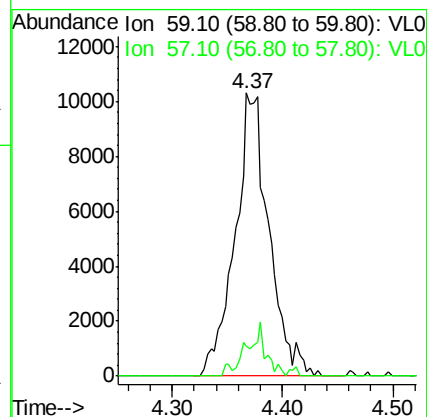
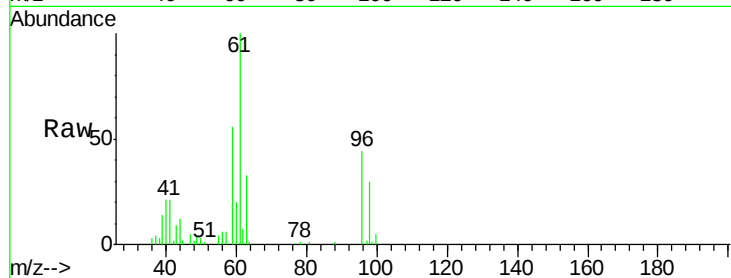
57 0.0 7.4 11.2#

Manual Integrations

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#18

1,1-Dichloroethene

Concen: 1.084 ppbv

RT: 4.35 min Scan# 439

Delta R.T. -0.00 min

Lab File: VL033301.D

Acq: 13 Mar 2019 17:49

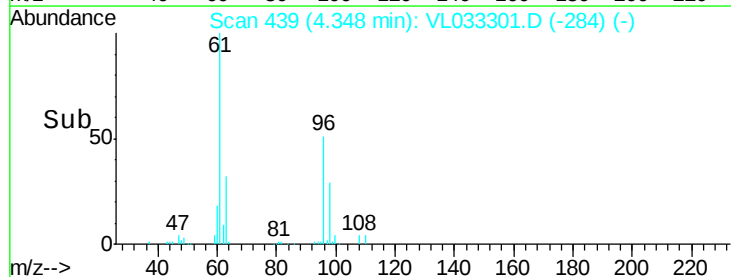
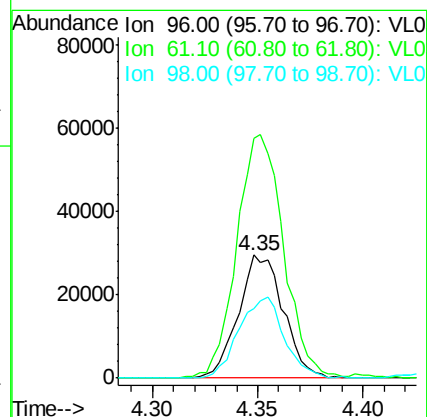
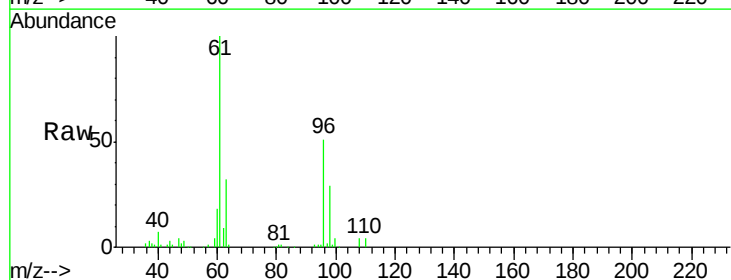
Tgt Ion: 96 Resp: 43614

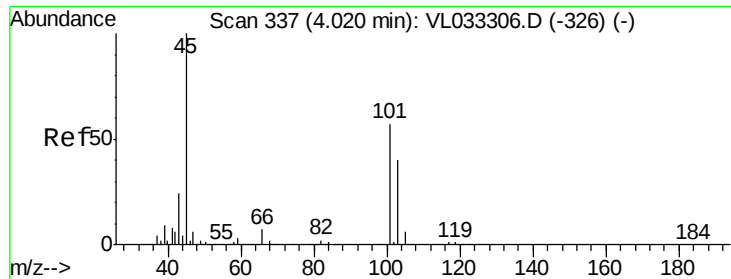
Ion Ratio Lower Upper

96 100

61 193.6 152.3 228.5

98 56.7 48.6 72.8





#19

Isopropyl Alcohol

Concen: 0.976 ppbv

RT: 4.03 min Scan# 340

Delta R.T. 0.01 min

Lab File: VL033301.D

Acq: 13 Mar 2019 17:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 45 Resp: 71857

Ion Ratio Lower Upper

45 100

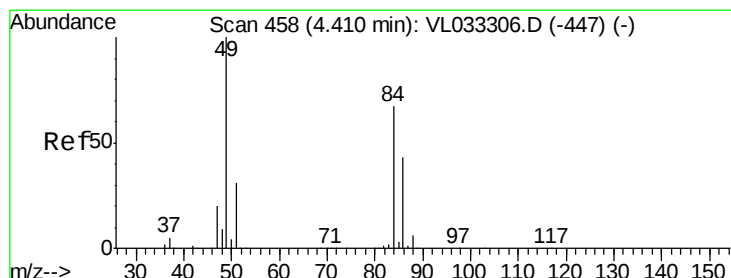
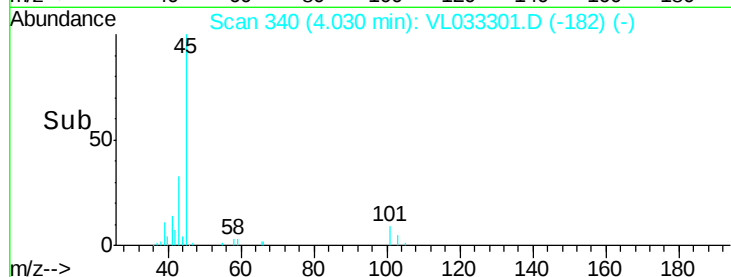
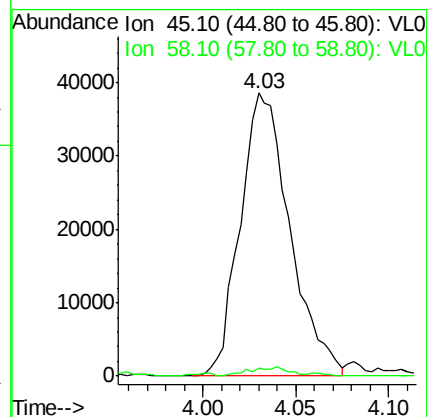
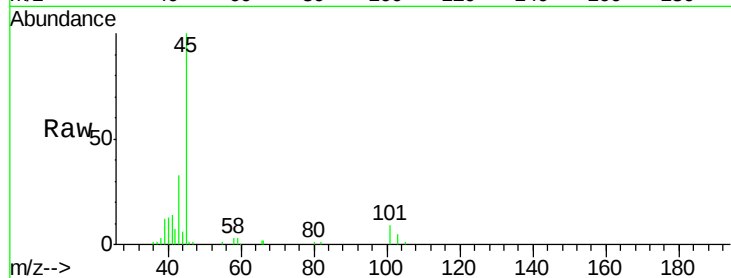
58 3.4 1.4 2.0#

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#20

Methylene Chloride

Concen: 1.290 ppbv m

RT: 4.40 min Scan# 456

Delta R.T. -0.01 min

Lab File: VL033301.D

Acq: 13 Mar 2019 17:49

Tgt Ion: 84 Resp: 52282

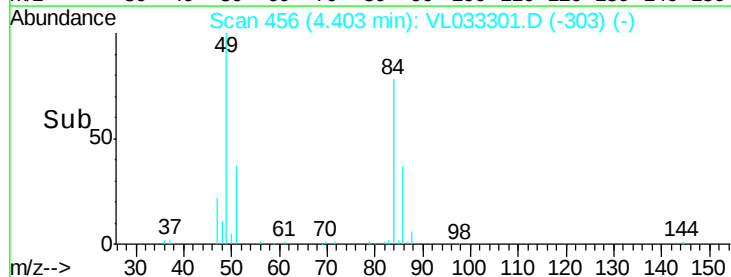
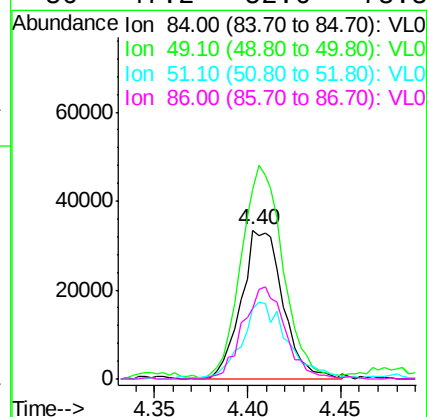
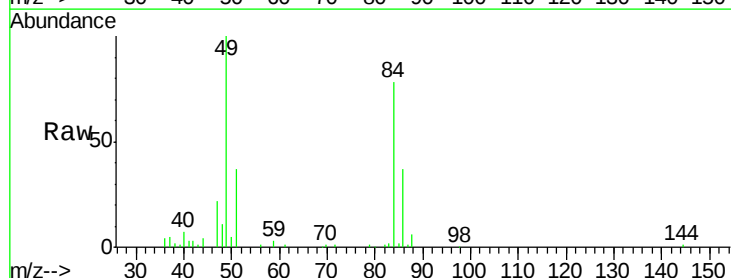
Ion Ratio Lower Upper

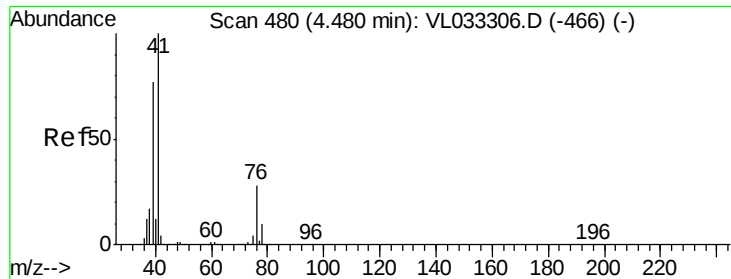
84 100

49 127.9 115.4 173.2

51 47.3 35.7 53.5

86 47.2 52.6 78.8#





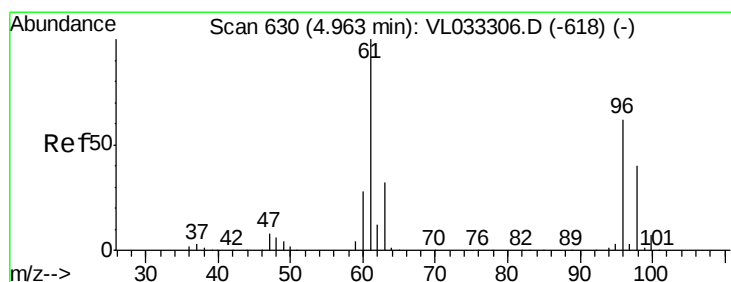
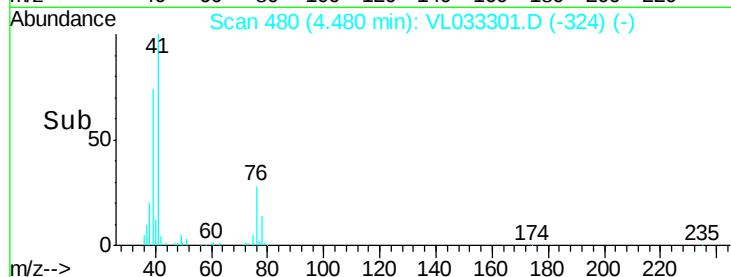
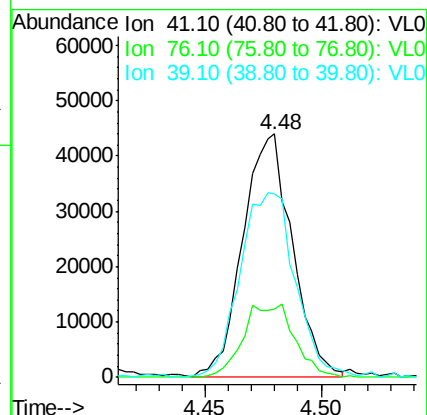
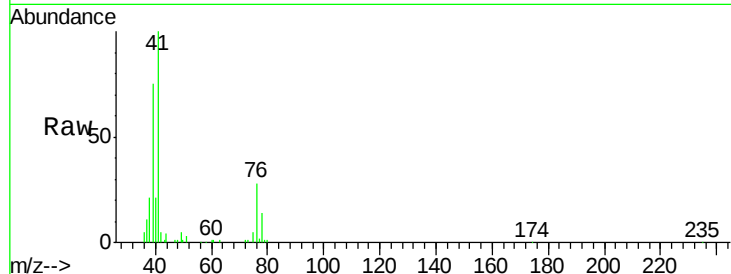
#21
 Allyl Chloride
 Concen: 1.070 ppbv
 RT: 4.48 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: VL033301.D
 Acq: 13 Mar 2019 17:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
41	100		
76	31.1	24.3	36.5
39	86.9	64.4	96.6

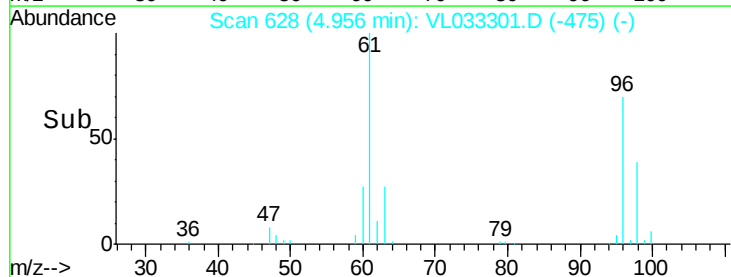
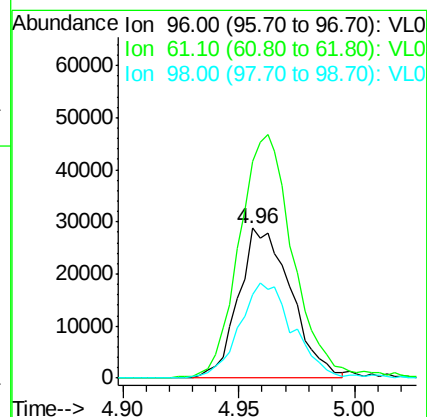
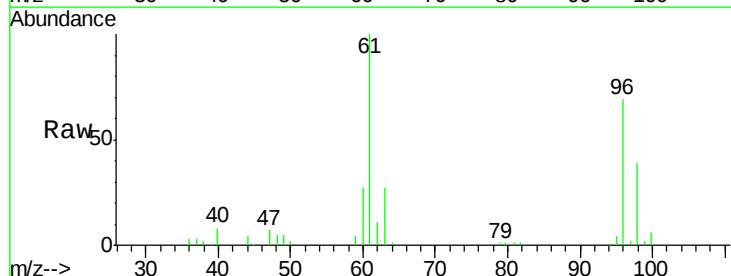
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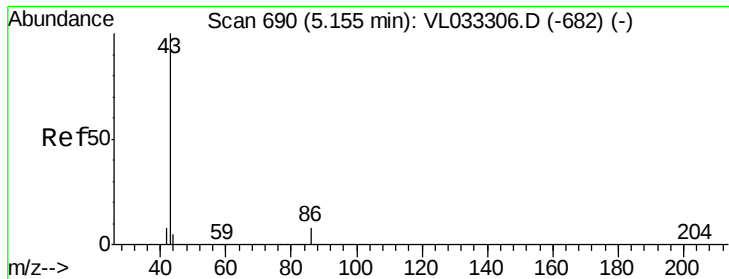
MMDadoda
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#22
 trans-1,2-Dichloroethene
 Concen: 1.055 ppbv
 RT: 4.96 min Scan# 628
 Delta R.T. -0.01 min
 Lab File: VL033301.D
 Acq: 13 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.3	132.7	199.1
98	54.8	52.4	78.6





#23

Vinyl Acetate

Concen: 1.035 ppbv

RT: 5.16 min Scan# 690

Delta R.T. -0.00 min

Lab File: VL033301.D

Acq: 13 Mar 2019 17:49

Instrument :

MSVOA_L

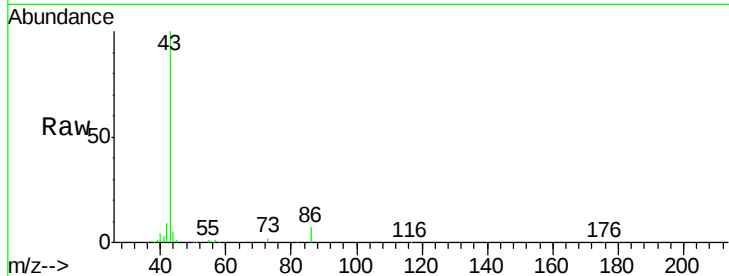
ClientSampleId :

VSTDIC001

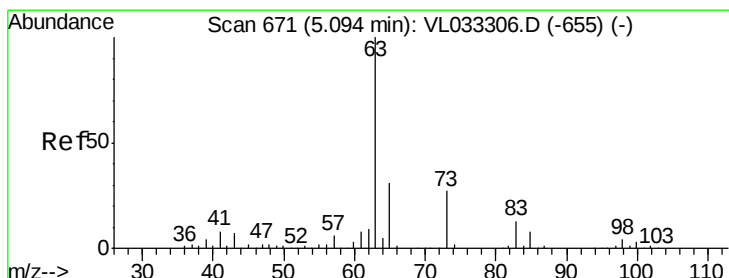
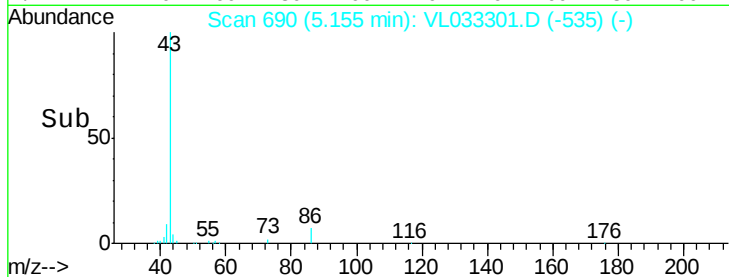
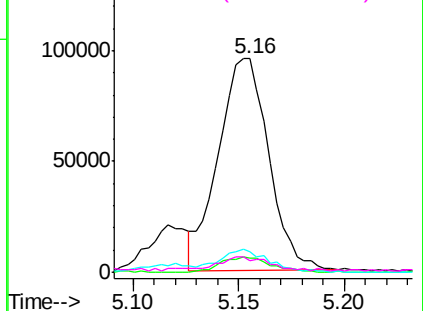
Tgt Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.8	8.8
42	8.8	7.8	11.8
44	4.6	4.1	6.1

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 1.064 ppbv

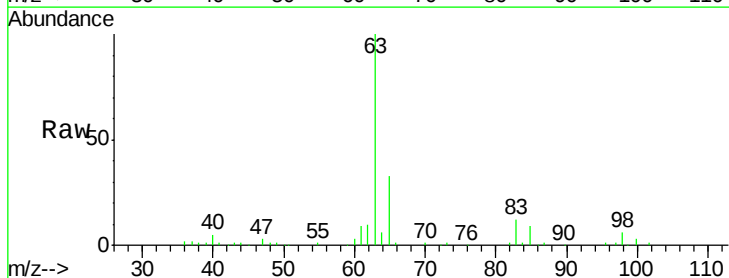
RT: 5.09 min Scan# 669

Delta R.T. -0.00 min

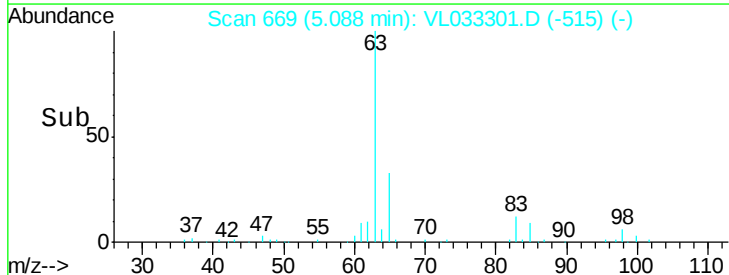
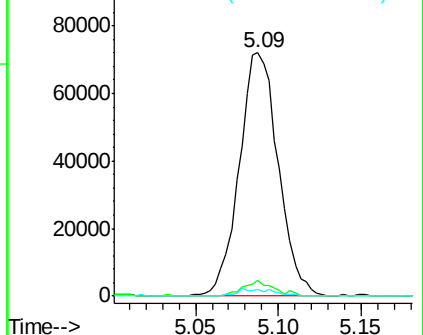
Lab File: VL033301.D

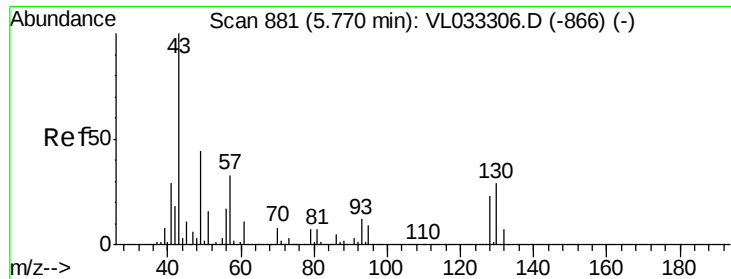
Acq: 13 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.4	2.3	6.8
100	2.8	1.3	3.8



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 1.113 ppbv

RT: 5.77 min Scan# 882

Delta R.T. 0.01 min

Lab File: VL033301.D

Acq: 13 Mar 2019 17:49

Instrument :

MSVOA_L

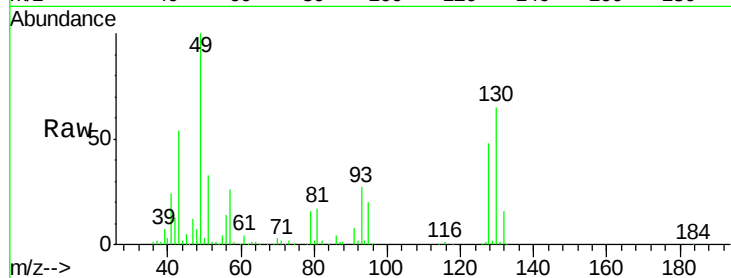
ClientSampleId :

VSTDIC001

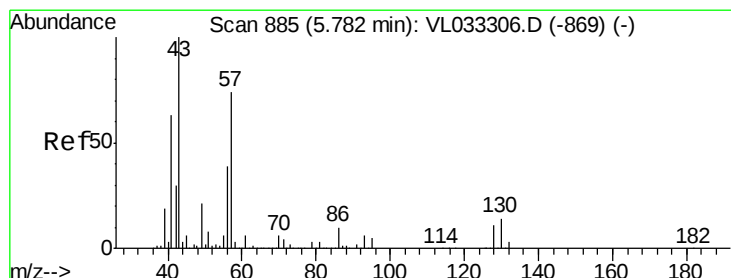
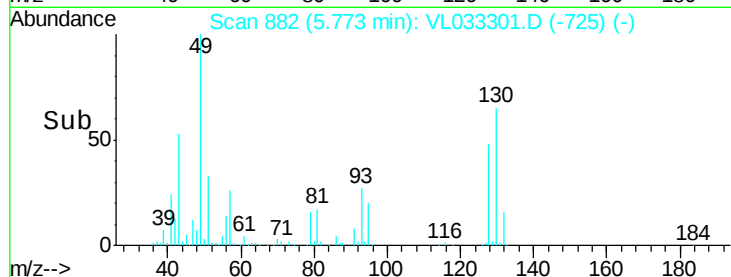
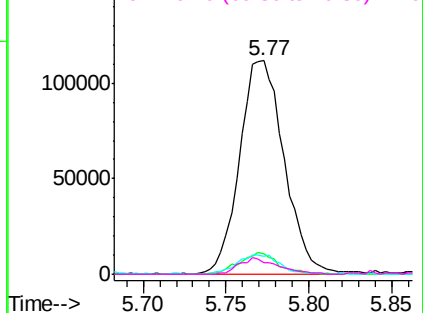
Tgt Ion	Ratio	Lower	Upper
43	100		
45	9.0	8.0	12.0
61	9.1	7.5	11.3
70	6.8	5.7	8.5

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 1.157 ppbv

RT: 5.78 min Scan# 883

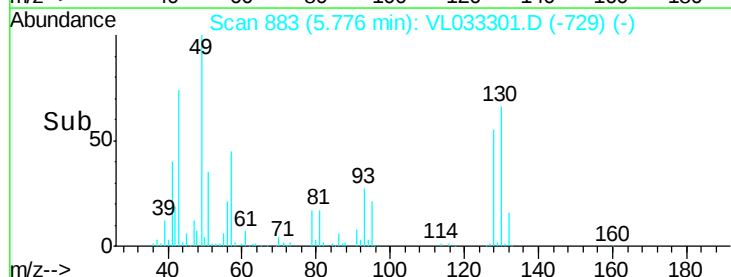
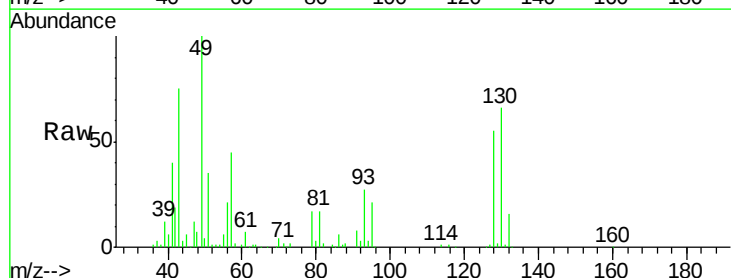
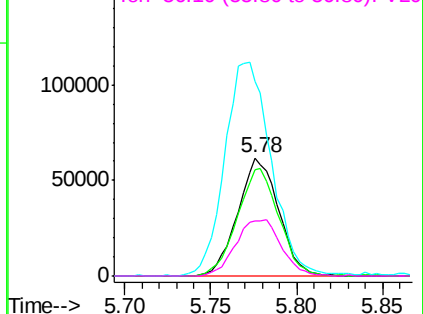
Delta R.T. -0.00 min

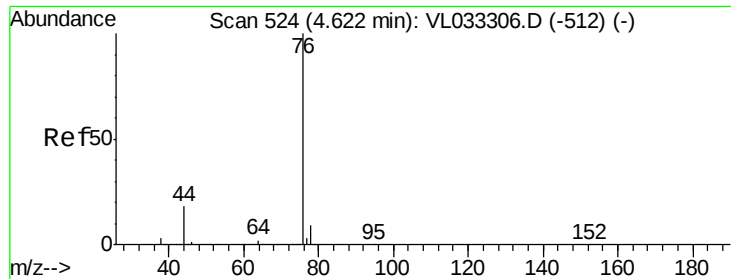
Lab File: VL033301.D

Acq: 13 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
57	100		
41	93.0	71.6	107.4
43	207.3	179.2	268.8
56	52.9	42.2	63.2

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: 1.026 ppbv

RT: 4.62 min Scan# 523

Delta R.T. -0.00 min

Lab File: VL033301.D

Acq: 13 Mar 2019 17:49

Instrument :

MSVOA_L

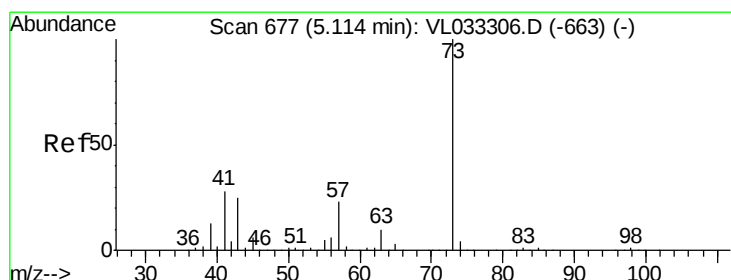
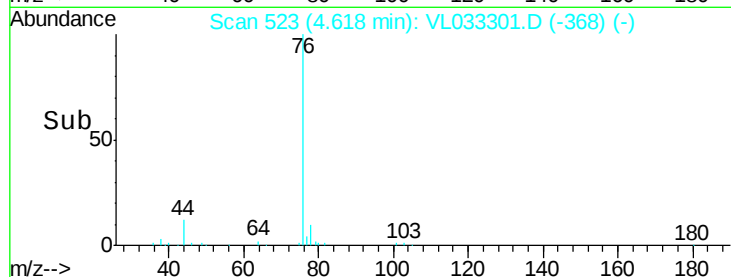
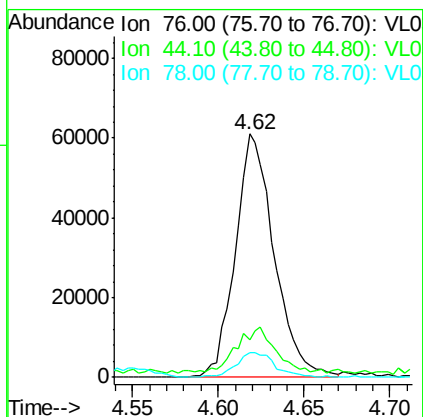
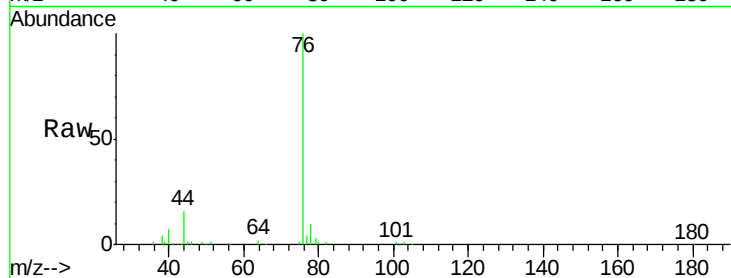
ClientSampleId :

VSTDIC001

Tgt Ion:	76	Resp:	95960
Ion	Ratio	Lower	Upper
76	100		
44	20.2	14.7	22.1
78	10.5	7.3	10.9

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 1.066 ppbv

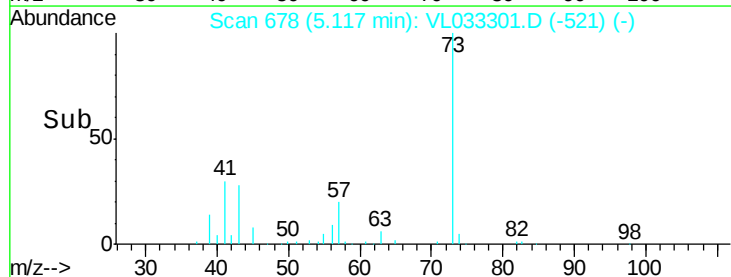
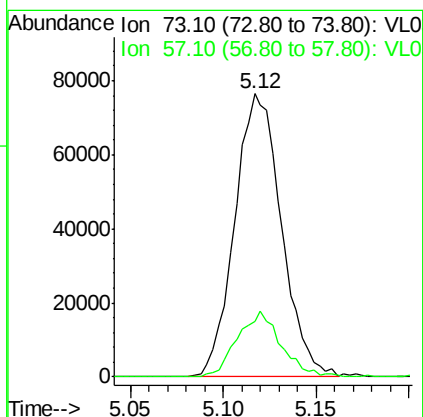
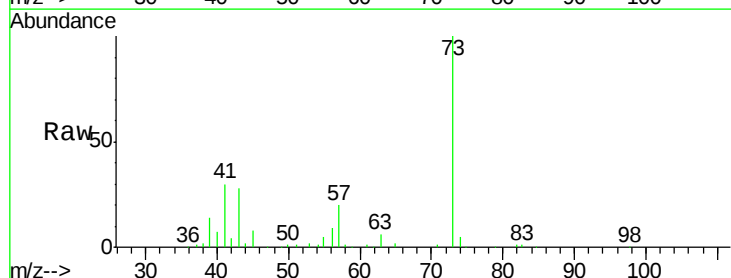
RT: 5.12 min Scan# 678

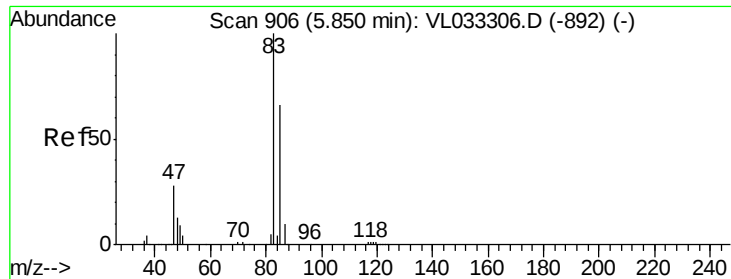
Delta R.T. 0.01 min

Lab File: VL033301.D

Acq: 13 Mar 2019 17:49

Tgt Ion:	73	Resp:	133379
Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.0





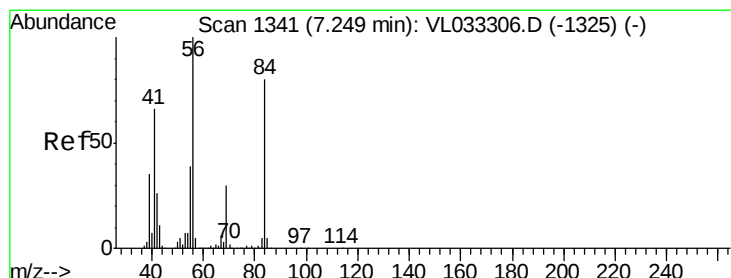
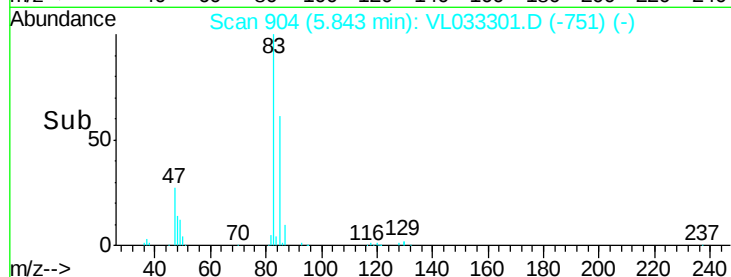
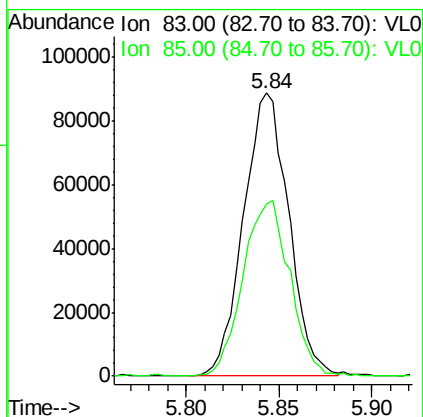
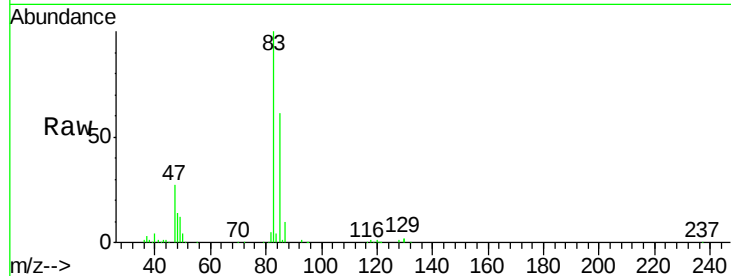
#29
Chloroform
Concen: 1.122 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 83 Resp: 150544
Ion Ratio Lower Upper
83 100
85 60.6 52.2 78.4

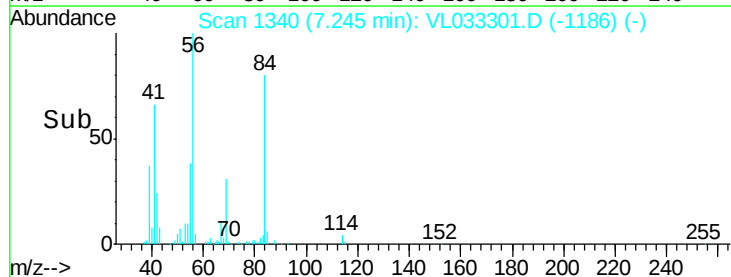
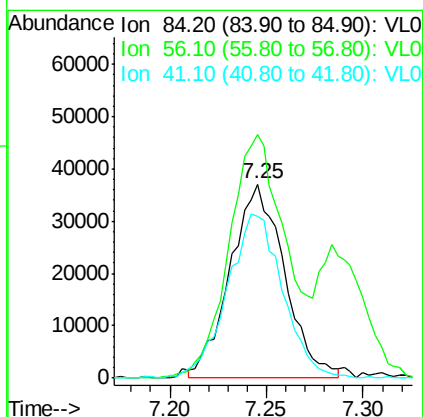
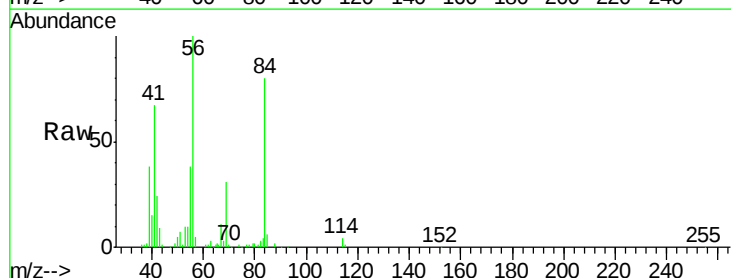
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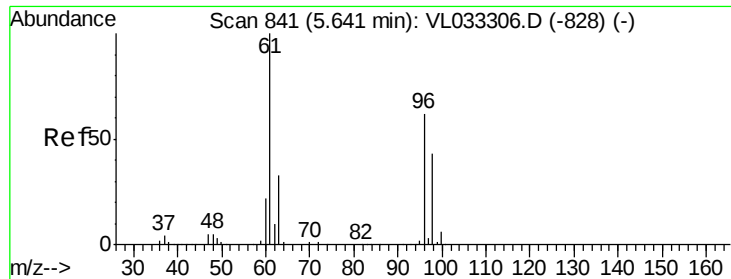
MMDadoda
3/15/2019 10:41:42 PM



#30
Cyclohexane
Concen: 1.053 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 84 Resp: 71990
Ion Ratio Lower Upper
84 100
56 129.8 109.8 164.8
41 86.8 68.1 102.1





#31

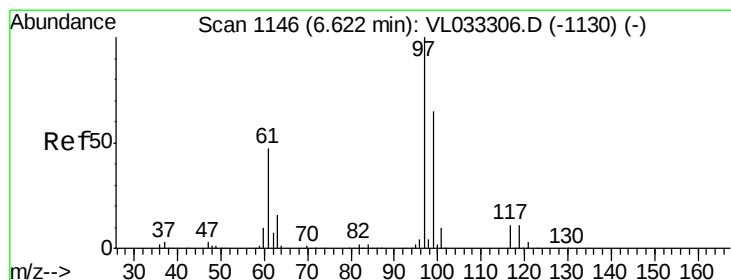
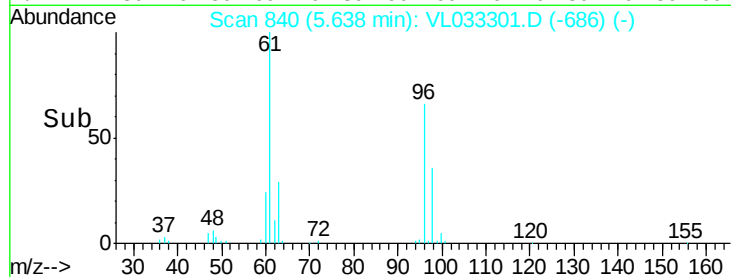
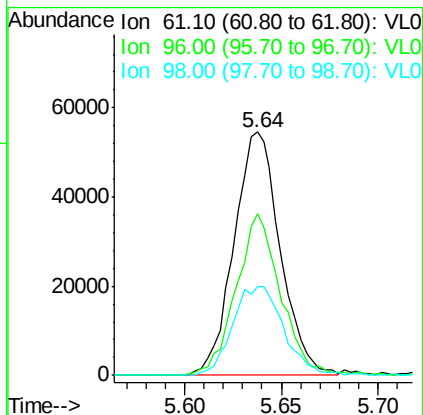
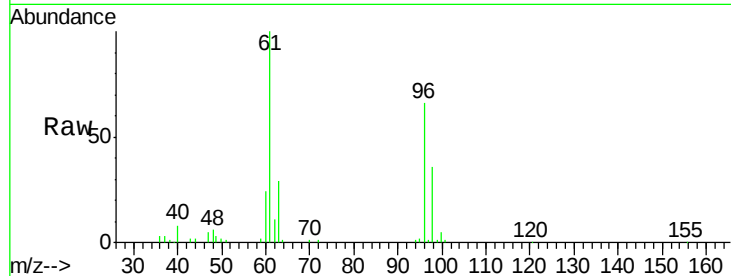
cis-1,2-Dichloroethene
Concen: 1.072 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
61	100		
96	65.7	51.8	77.6
98	36.3	32.3	48.5

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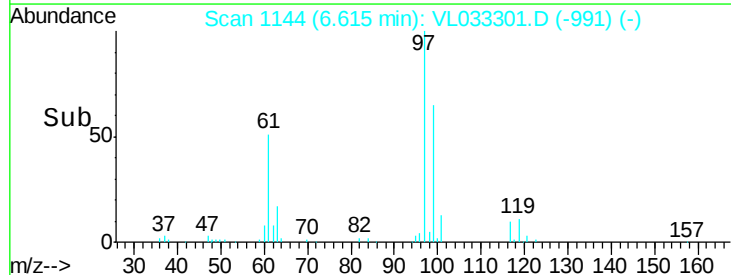
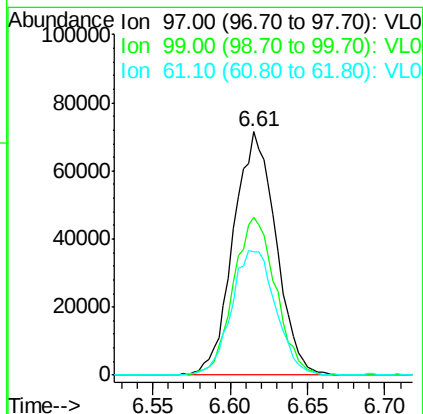
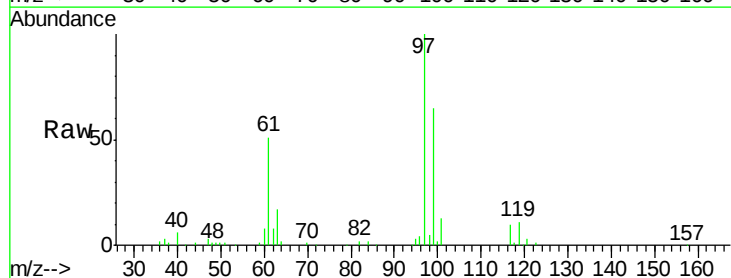
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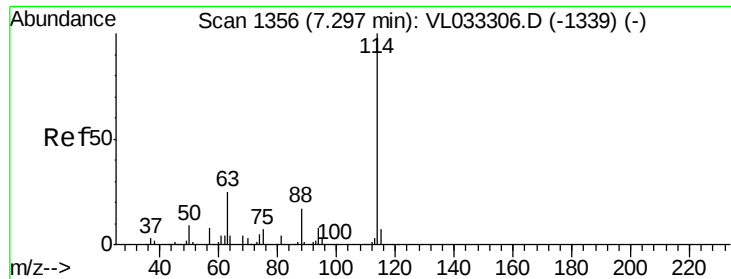


#32

1,1,1-Trichloroethane
Concen: 1.045 ppbv
RT: 6.61 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	53.2	39.4	59.2





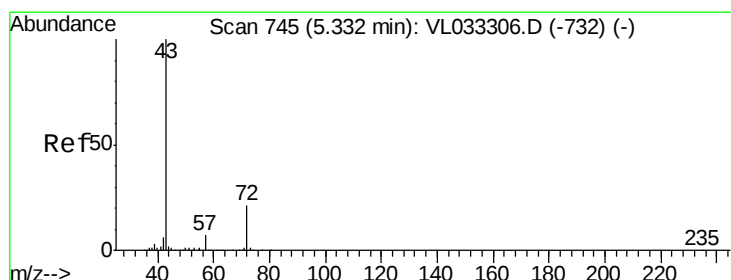
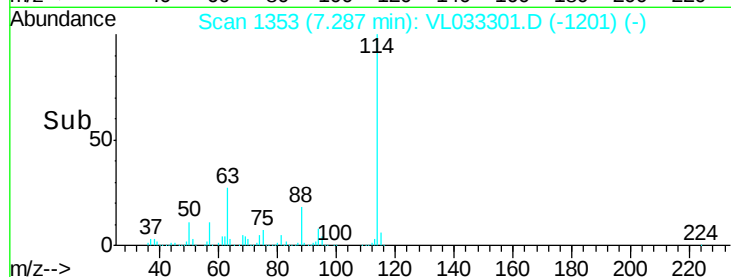
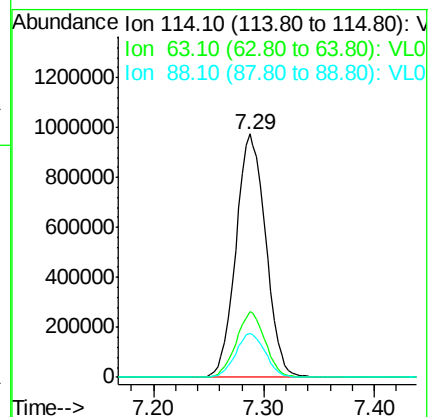
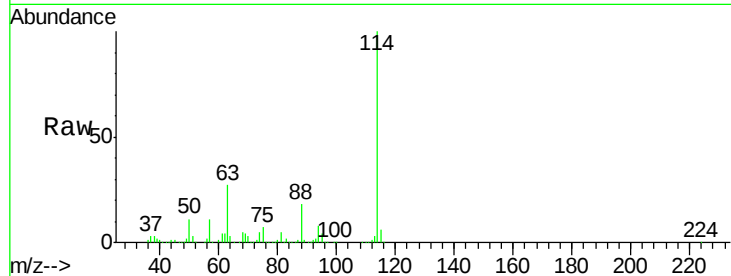
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033301.D
 Acq: 13 Mar 2019 17:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 114 Resp: 1823005
 Ion Ratio Lower Upper
 114 100
 63 26.2 21.3 31.9
 88 17.9 14.5 21.7

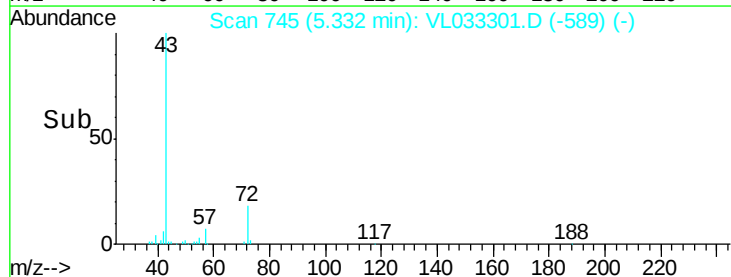
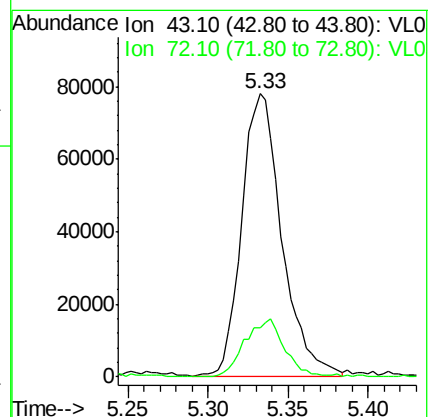
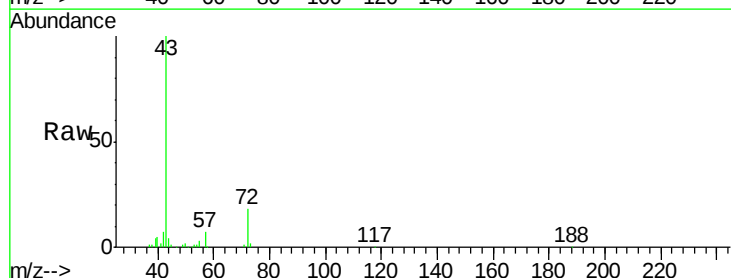
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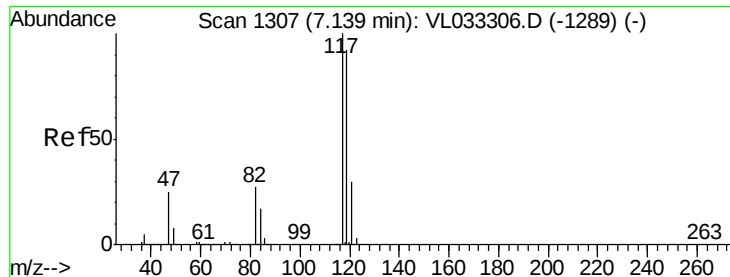
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#34
 2-Butanone
 Concen: 1.097 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VL033301.D
 Acq: 13 Mar 2019 17:49

Tgt Ion: 43 Resp: 132200
 Ion Ratio Lower Upper
 43 100
 72 20.5 17.2 25.8





#35

Carbon Tetrachloride

Concen: 1.053 ppbv

RT: 7.13 min Scan# 1304

Delta R.T. -0.01 min

Lab File: VL033301.D

Acq: 13 Mar 2019 17:49

Instrument :

MSVOA_L

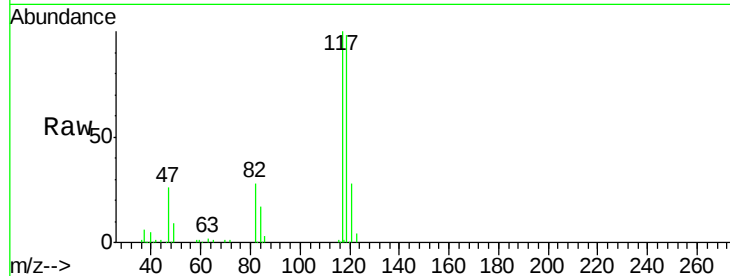
ClientSampleId :

VSTDIC001

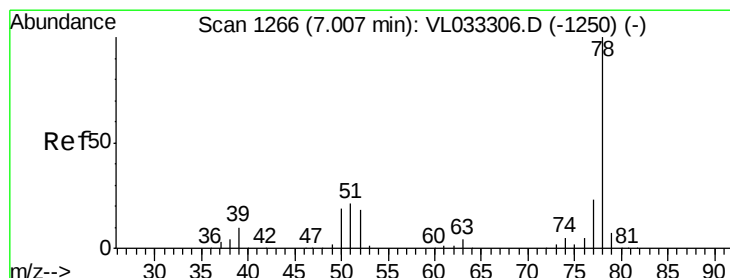
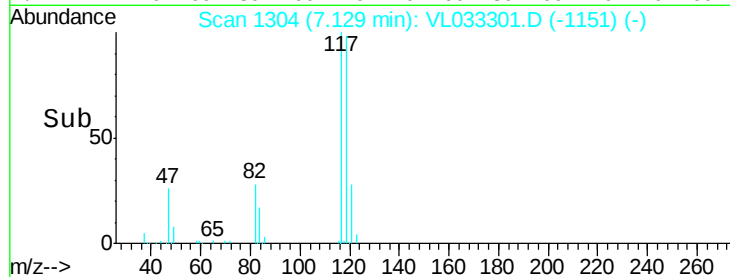
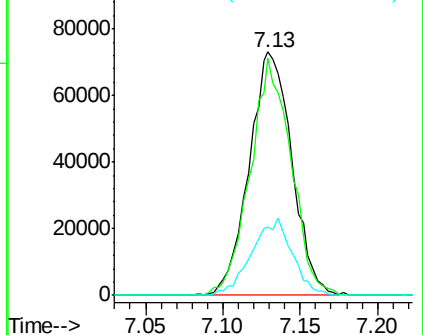
Tgt Ion:	117	Resp:	140304
Ion Ratio	Lower	Upper	
117	100		
119	97.6	75.9	113.9
121	27.8	25.2	37.8

Manual Integrations
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 1.089 ppbv

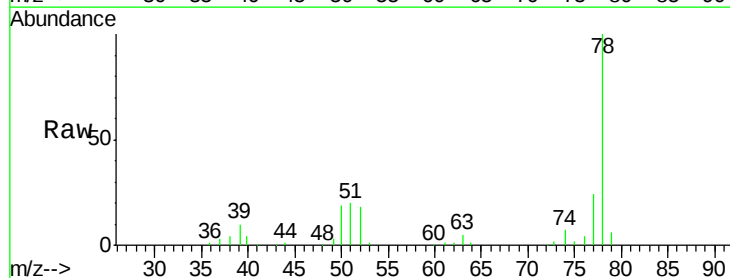
RT: 7.00 min Scan# 1265

Delta R.T. -0.00 min

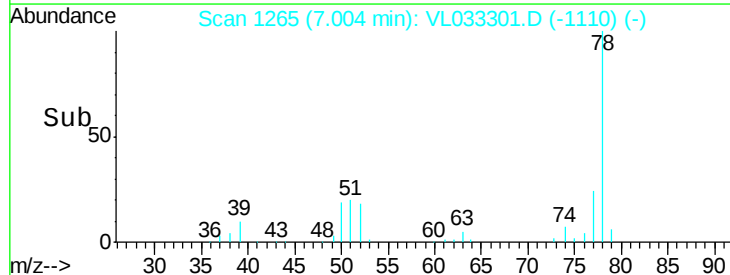
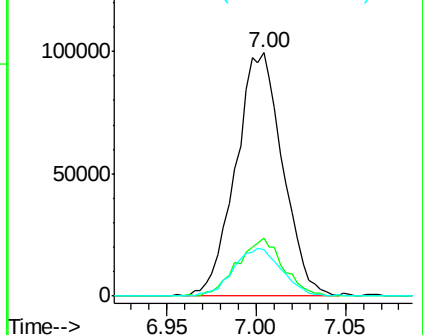
Lab File: VL033301.D

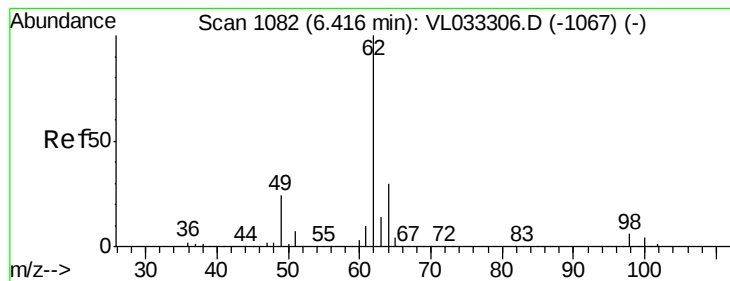
Acq: 13 Mar 2019 17:49

Tgt Ion:	78	Resp:	183124
Ion Ratio	Lower	Upper	
78	100		
77	23.8	18.6	28.0
50	19.1	15.2	22.8



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 1.149 ppbv

RT: 6.41 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VL033301.D

Acq: 13 Mar 2019 17:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 62 Resp: 115874

Ion Ratio Lower Upper

62 100

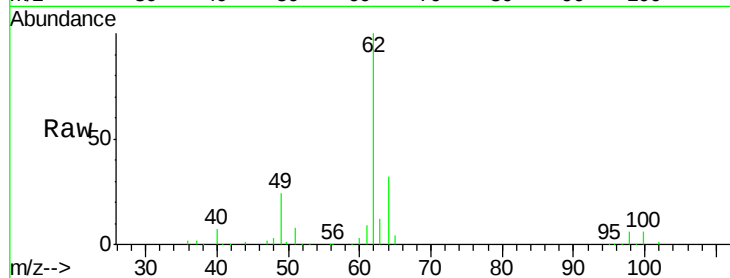
98 6.0 4.4 6.6

Manual Integrations

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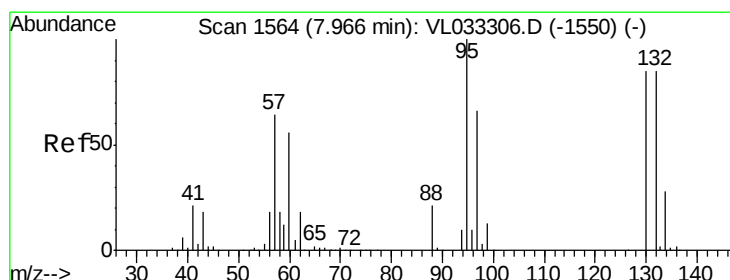
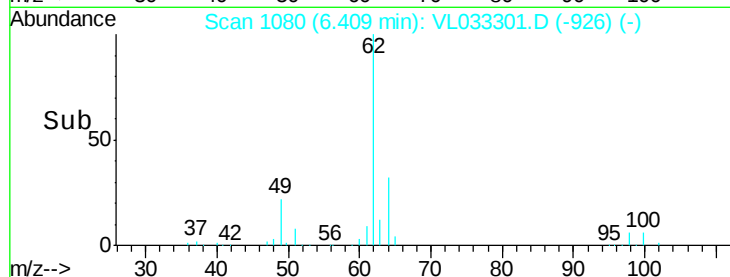
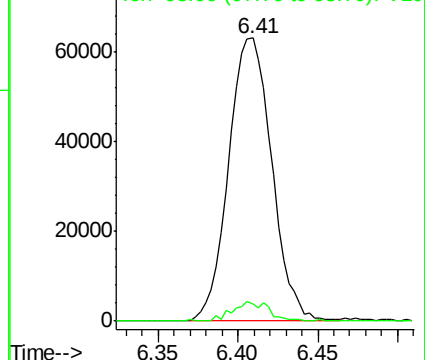
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 1.112 ppbv m

RT: 7.96 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VL033301.D

Acq: 13 Mar 2019 17:49

Tgt Ion: 130 Resp: 72908

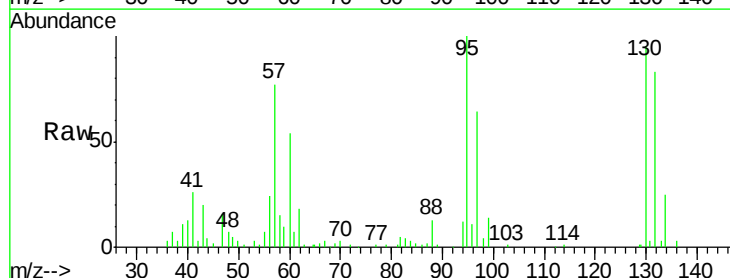
Ion Ratio Lower Upper

130 100

95 105.2 95.2 142.8

132 87.0 72.5 108.7

97 67.8 60.1 90.1

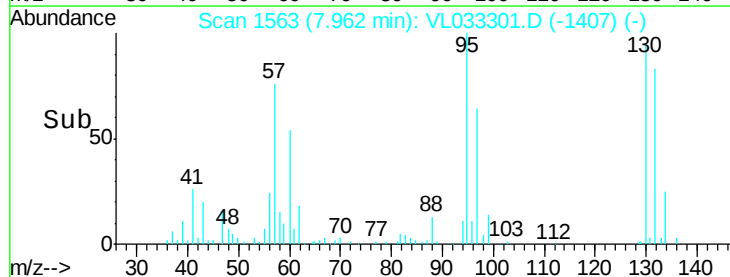
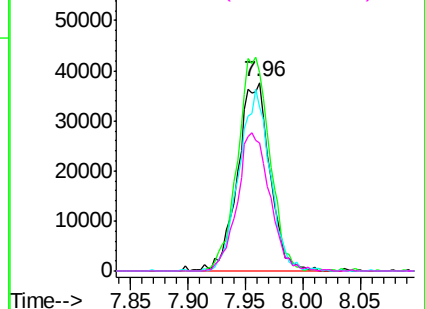


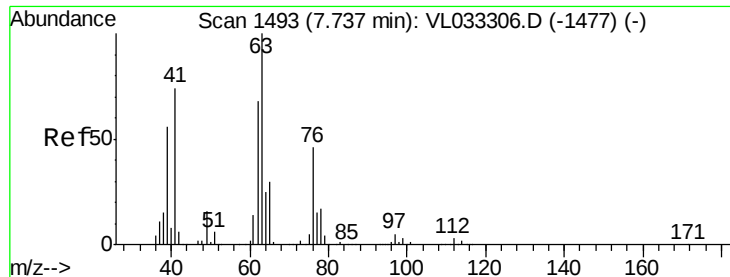
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





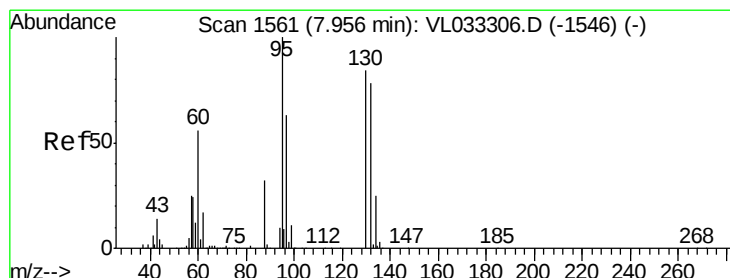
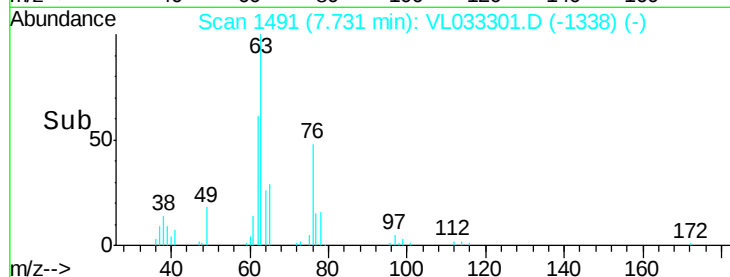
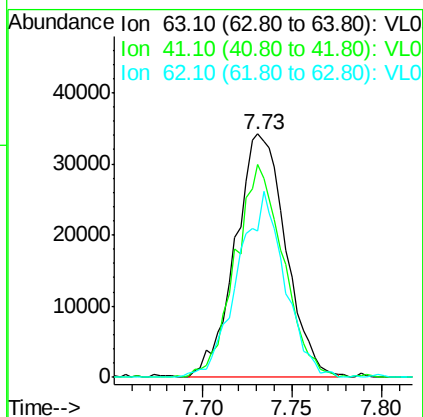
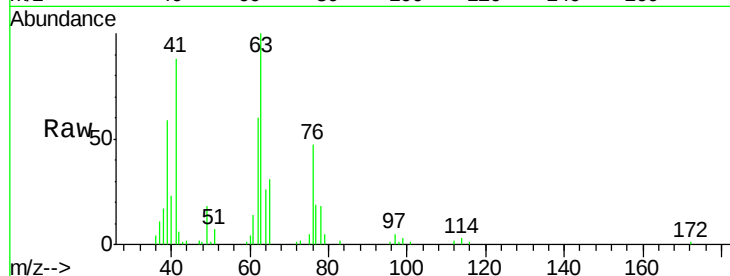
#39
 1,2-Dichloropropane
 Concen: 1.066 ppbv
 RT: 7.73 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: VL033301.D
 Acq: 13 Mar 2019 17:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
63	100		
41	87.5	59.0	88.4
62	60.2	53.0	79.4

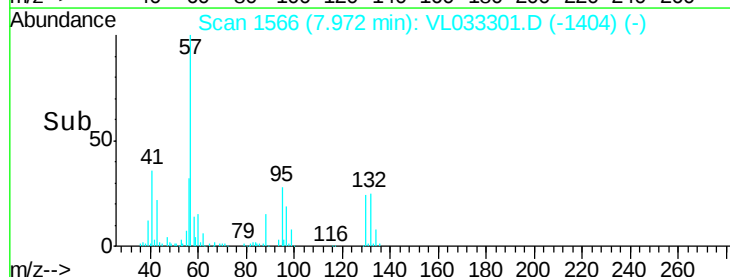
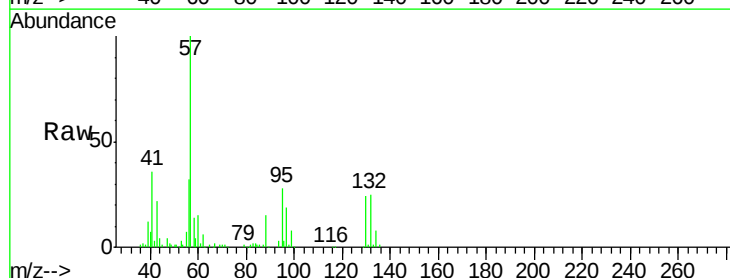
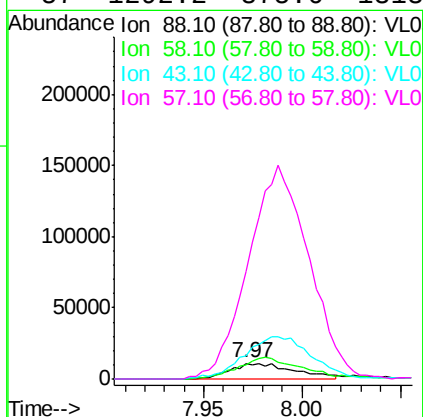
Manual Integrations
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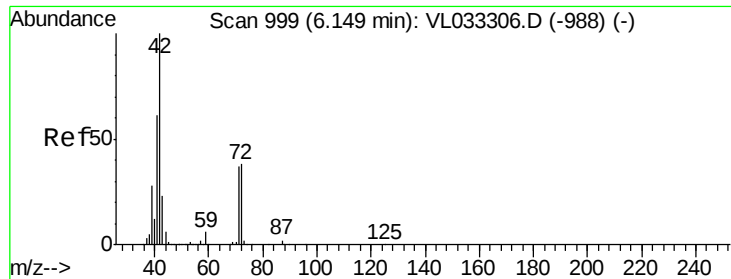
MMDadoda
 3/15/2019 10:41:42 PM



#40
 1,4-Dioxane
 Concen: 1.048 ppbv m
 RT: 7.97 min Scan# 1566
 Delta R.T. 0.02 min
 Lab File: VL033301.D
 Acq: 13 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
88	100		
58	147.9	97.7	146.5#
43	291.3	199.4	299.2
57	1292.2	875.6	1313.4





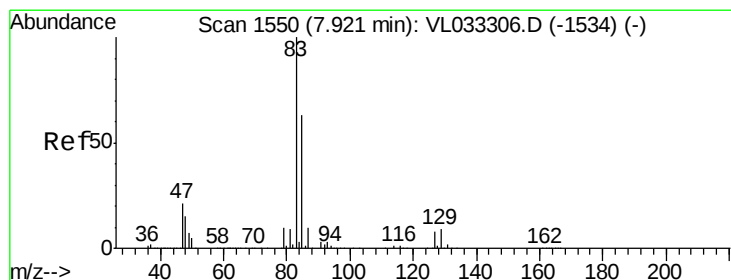
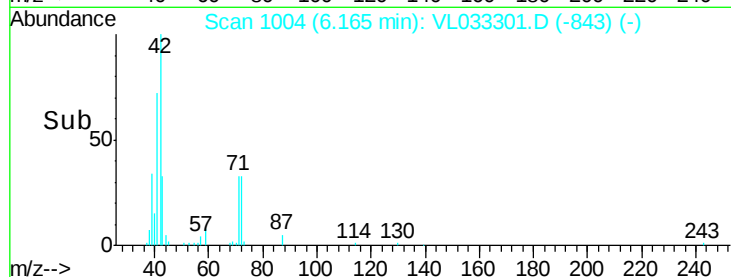
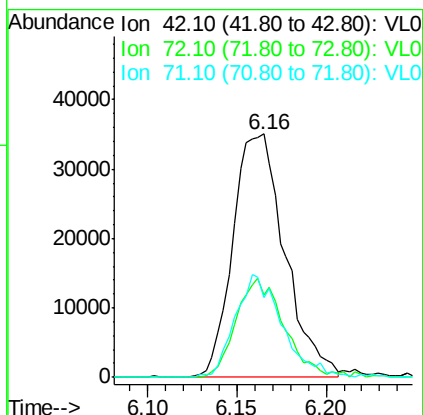
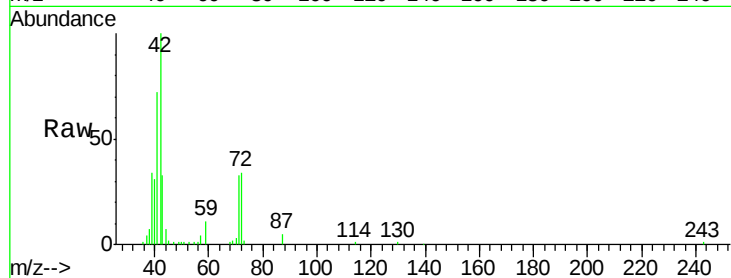
#41
Tetrahydrofuran
Concen: 1.062 ppbv
RT: 6.16 min Scan# 1004
Delta R.T. 0.02 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.2	30.8	46.2
71	38.0	30.0	45.0

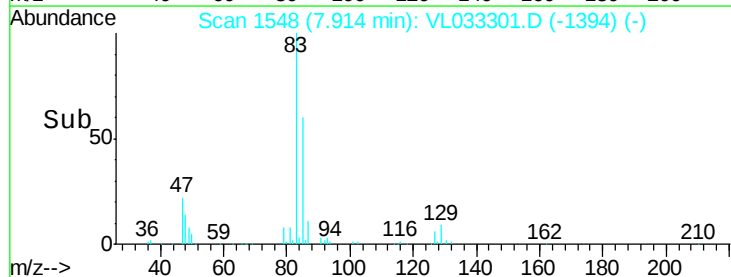
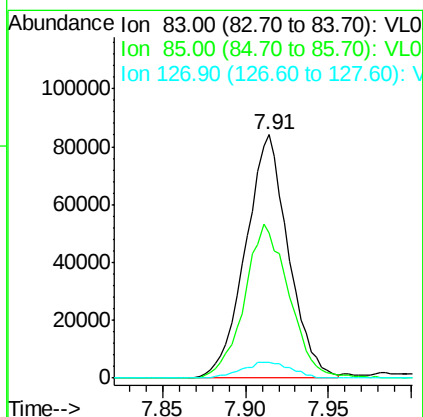
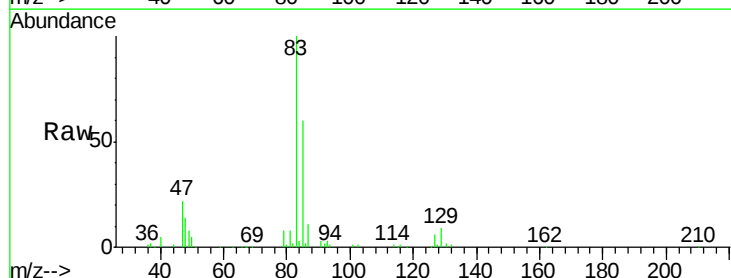
Manual Integrations
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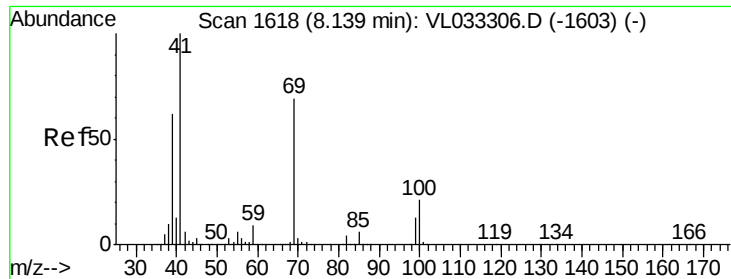
MMDadoda
3/15/2019 10:41:42 PM



#42
Bromodichloromethane
Concen: 1.089 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.6	51.0	76.4
127	6.3	6.6	10.0





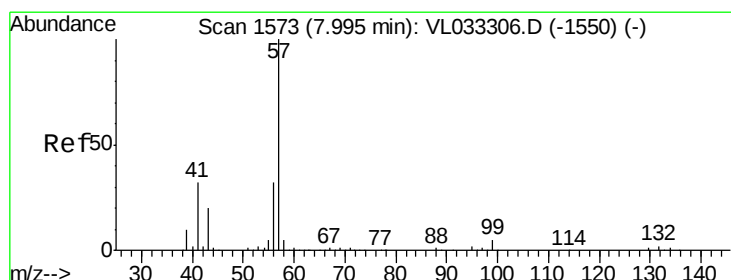
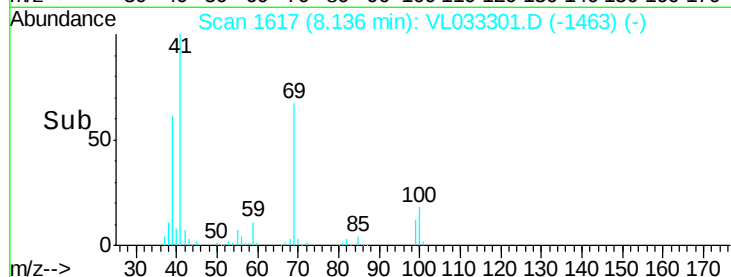
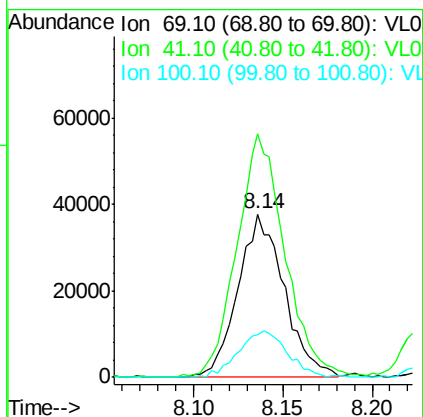
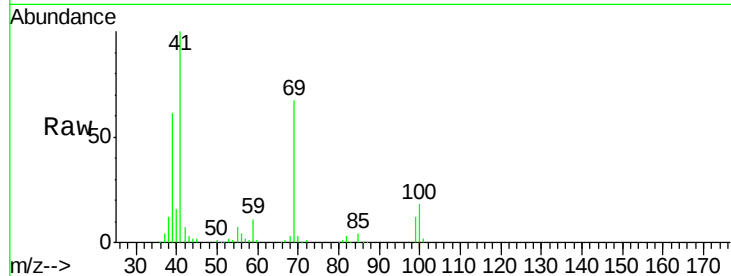
#43
Methyl Methacrylate
Concen: 1.045 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
69	100		
41	155.1	117.0	175.4
100	30.4	24.3	36.5

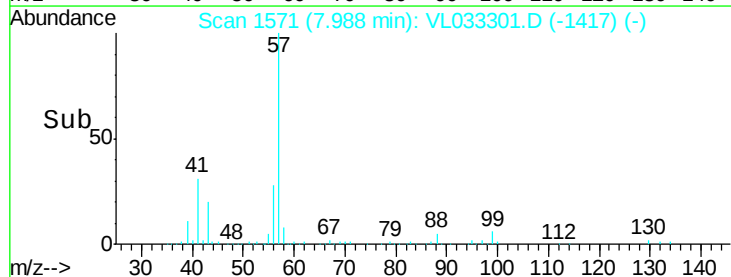
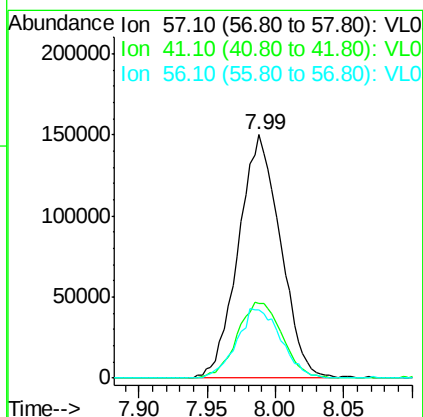
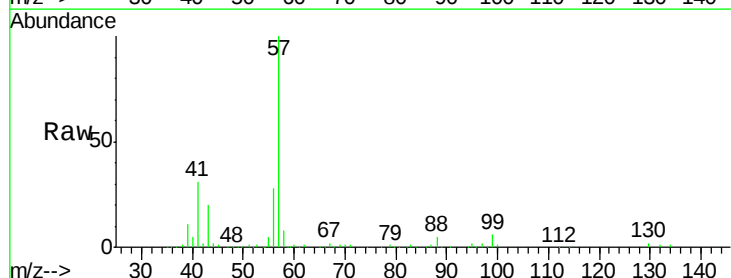
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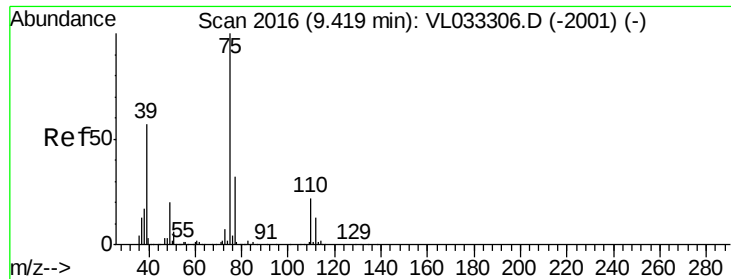
MMDadoda
3/15/2019 10:41:42 PM



#44
2,2,4-Trimethylpentane
Concen: 1.126 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
57	100		
41	33.1	25.9	38.9
56	30.0	24.6	36.8





#45

t-1,3-Dichloropropene

Concen: 0.924 ppbv

RT: 9.42 min Scan# 2015

Delta R.T. -0.00 min

Lab File: VL033301.D

Acq: 13 Mar 2019 17:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 75 Resp: 74405

Ion Ratio Lower Upper

75 100

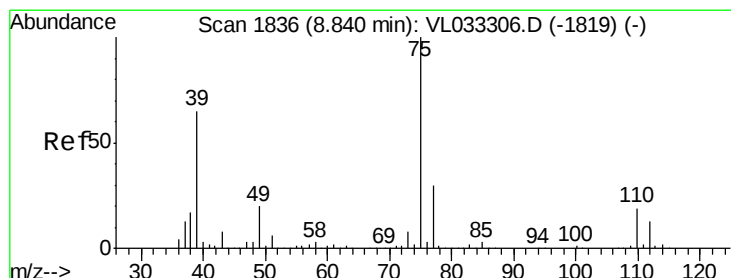
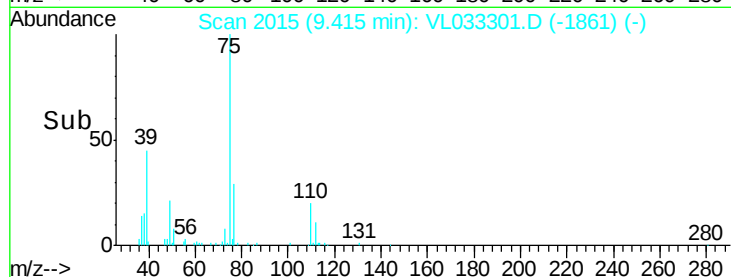
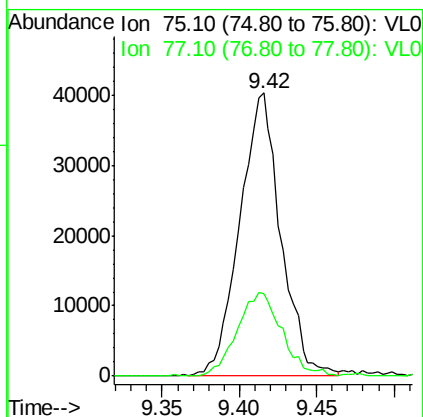
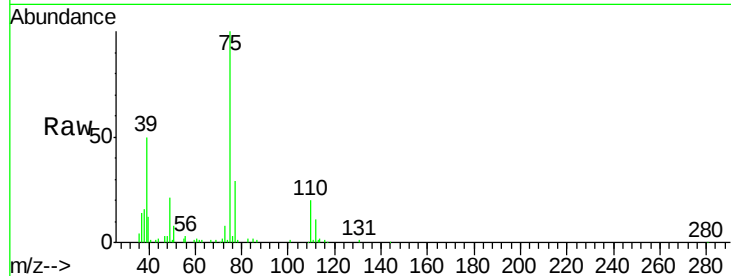
77 29.0 25.3 37.9

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#46

cis-1,3-Dichloropropene

Concen: 1.004 ppbv

RT: 8.83 min Scan# 1834

Delta R.T. -0.00 min

Lab File: VL033301.D

Acq: 13 Mar 2019 17:49

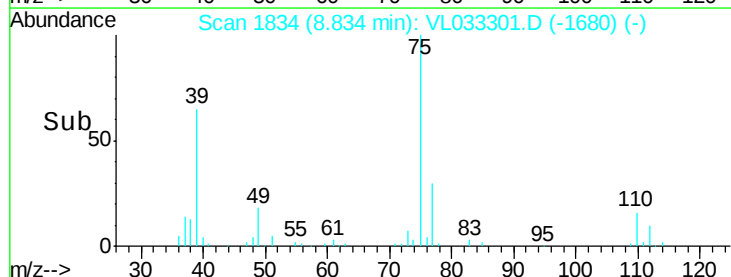
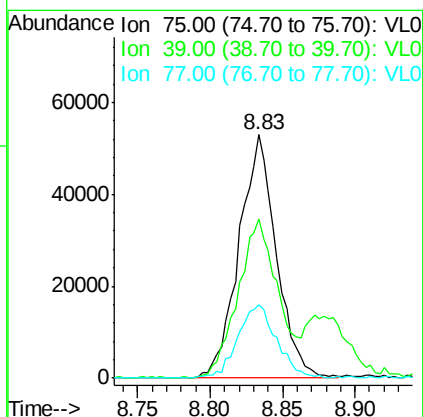
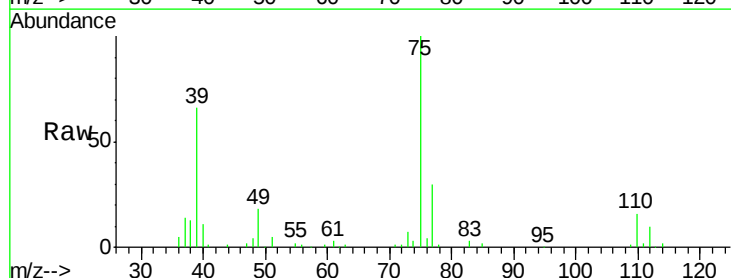
Tgt Ion: 75 Resp: 94764

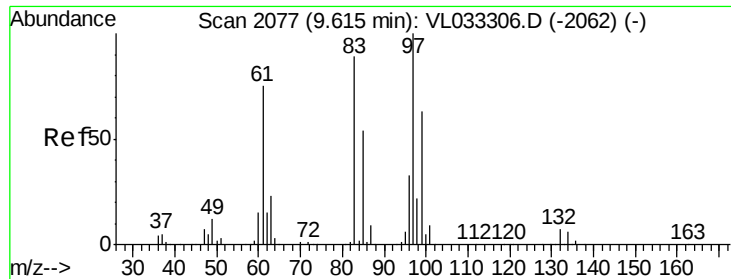
Ion Ratio Lower Upper

75 100

39 65.5 53.4 80.2

77 30.0 23.7 35.5





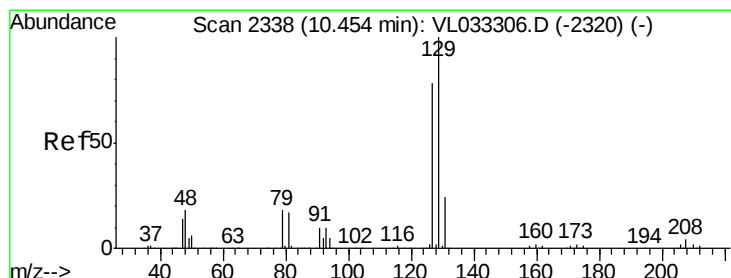
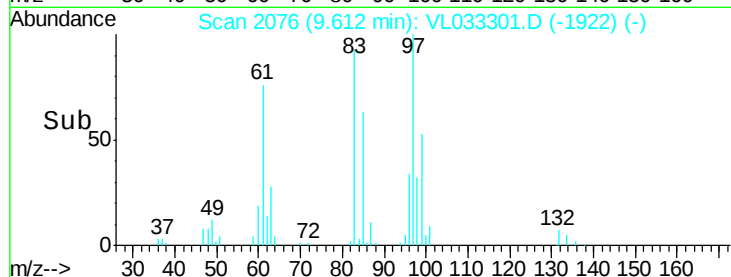
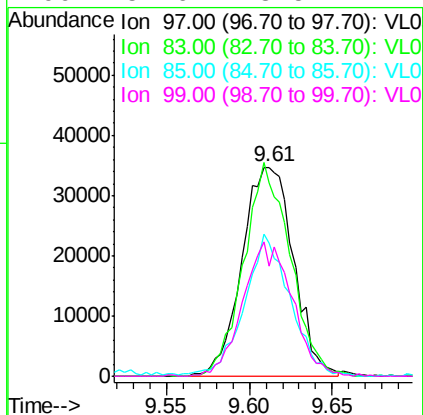
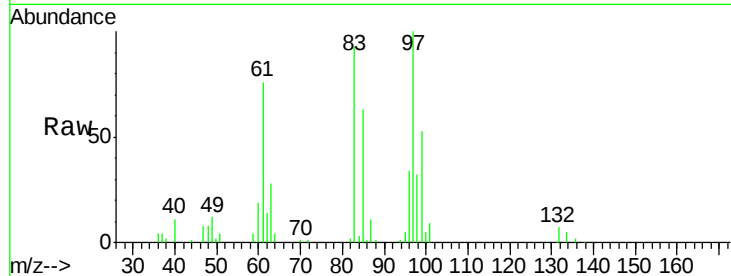
#47
 1,1,2-Trichloroethane
 Concen: 1.109 ppbv
 RT: 9.61 min Scan# 2076
 Delta R.T. -0.00 min
 Lab File: VL033301.D
 Acq: 13 Mar 2019 17:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
97	100		
83	92.6	72.7	109.1
85	62.0	45.6	68.4
99	52.6	48.5	72.7

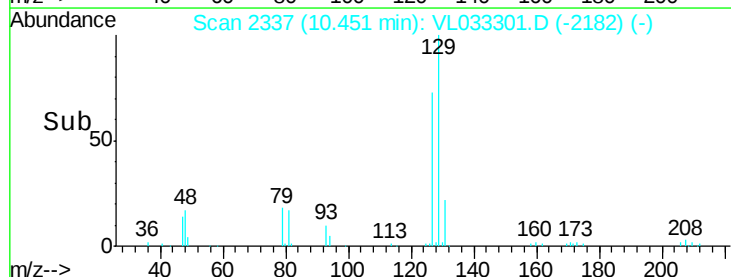
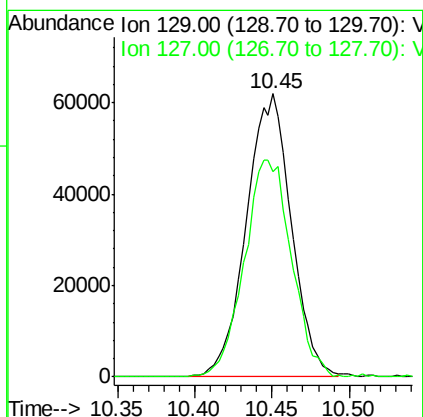
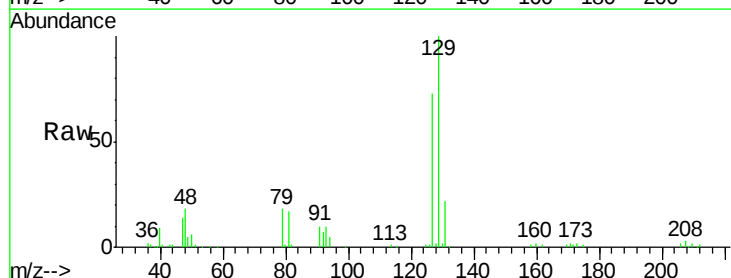
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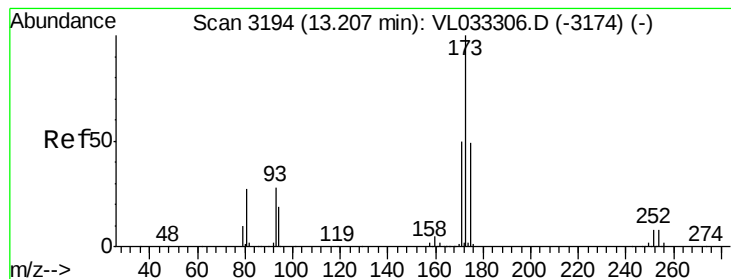
MMDadoda
 3/15/2019 10:41:42 PM



#48
 Dibromochloromethane
 Concen: 1.130 ppbv
 RT: 10.45 min Scan# 2337
 Delta R.T. -0.00 min
 Lab File: VL033301.D
 Acq: 13 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.4	39.0	117.0





#49

Bromoform

Concen: 1.091 ppbv

RT: 13.20 min Scan# 3192

Delta R.T. -0.00 min

Lab File: VL033301.D

Acq: 13 Mar 2019 17:49

Instrument :

MSVOA_L

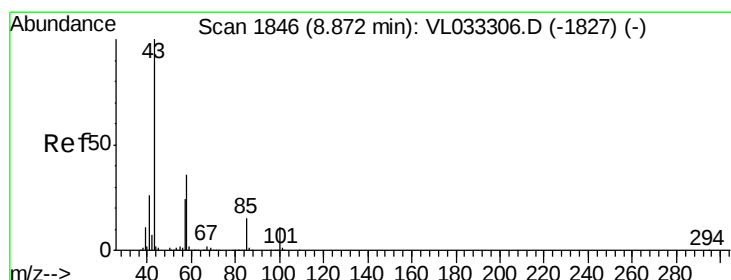
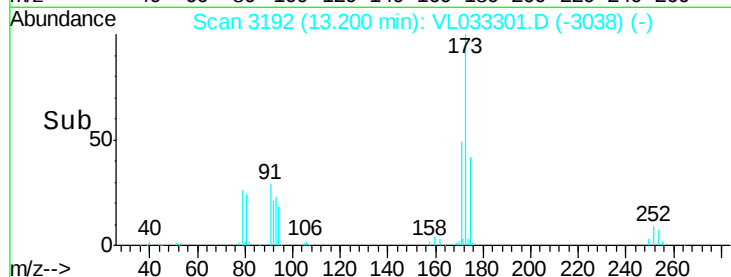
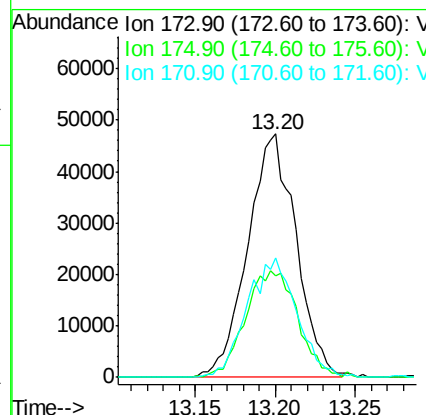
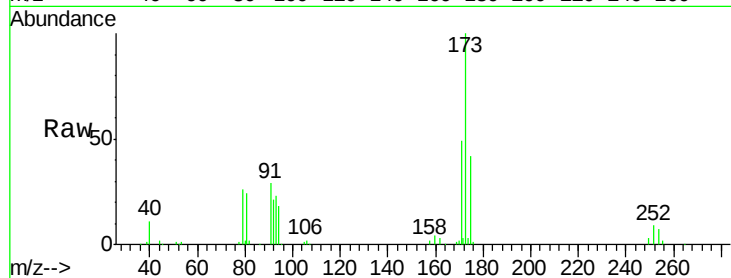
ClientSampleId :

VSTDIC001

Tgt Ion:173 Resp: 97994
 Ion Ratio Lower Upper
 173 100
 175 47.7 38.6 58.0
 171 50.3 42.0 63.0

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#50

4-Methyl-2-Pentanone

Concen: 1.085 ppbv

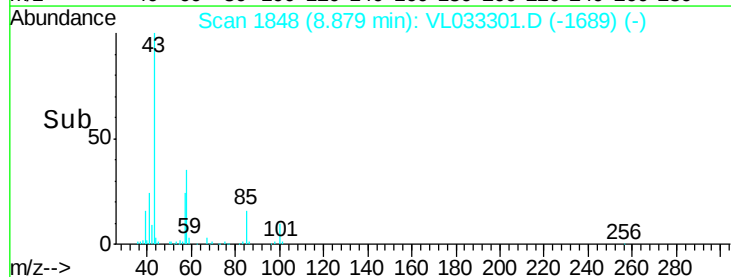
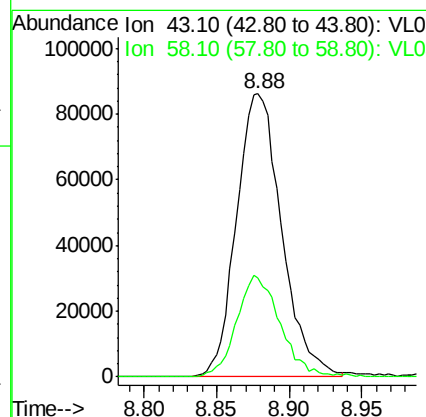
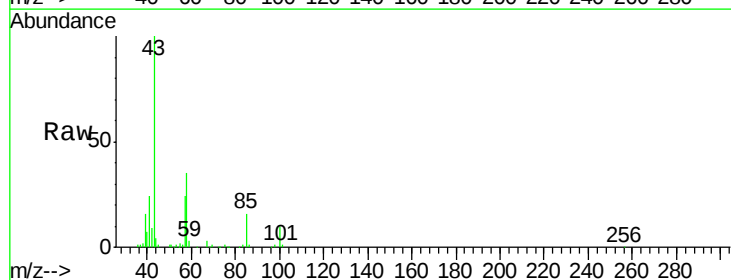
RT: 8.88 min Scan# 1848

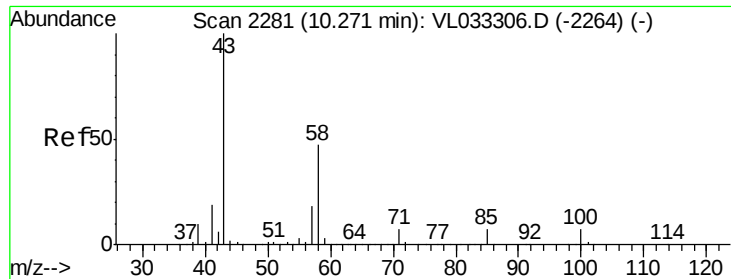
Delta R.T. 0.01 min

Lab File: VL033301.D

Acq: 13 Mar 2019 17:49

Tgt Ion: 43 Resp: 186613
 Ion Ratio Lower Upper
 43 100
 58 34.7 28.2 42.2





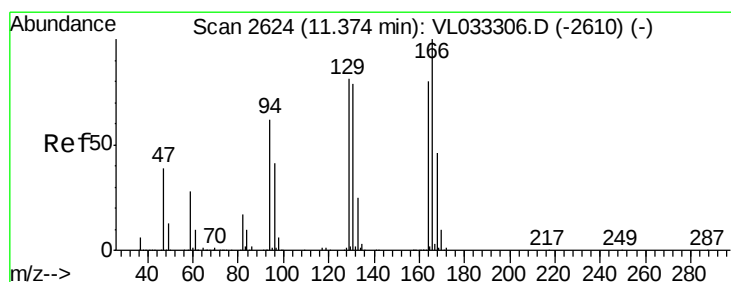
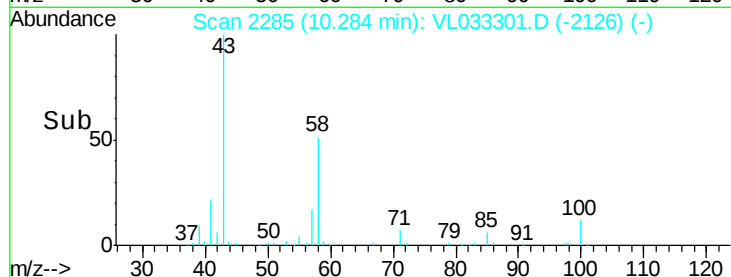
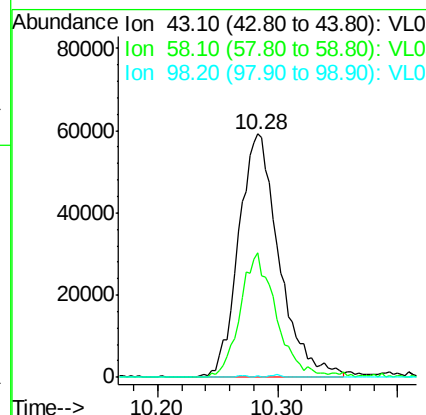
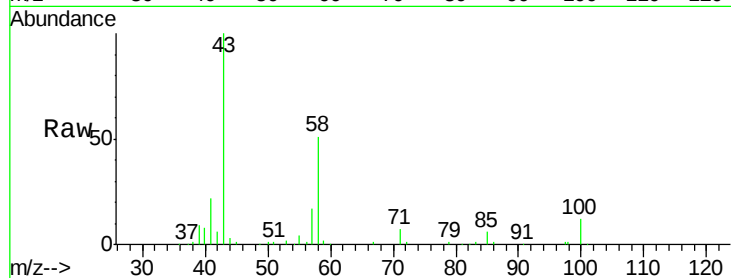
#51
2-Hexanone
Concen: 1.059 ppbv m
RT: 10.28 min Scan# 2285
Delta R.T. 0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
43	100		
58	46.4	38.4	57.6
98	0.3	0.2	0.2#

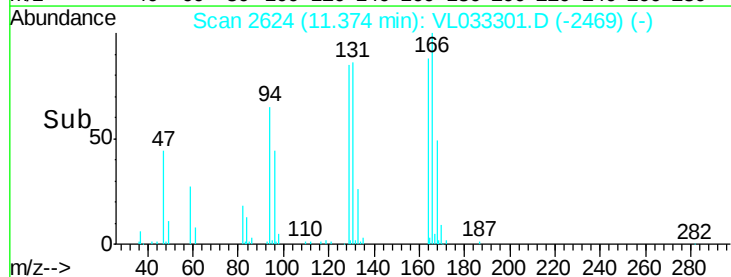
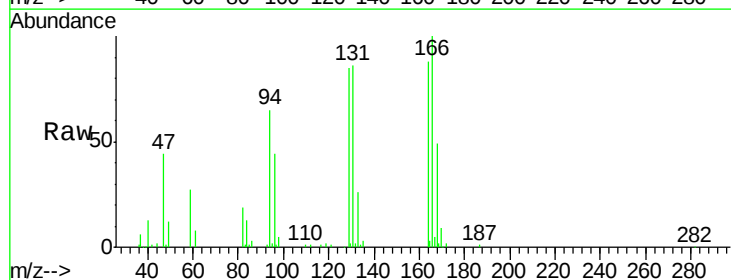
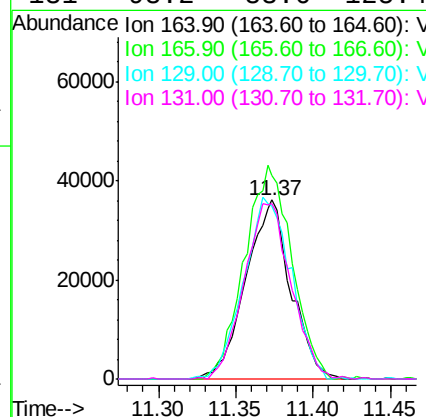
Manual Integrations
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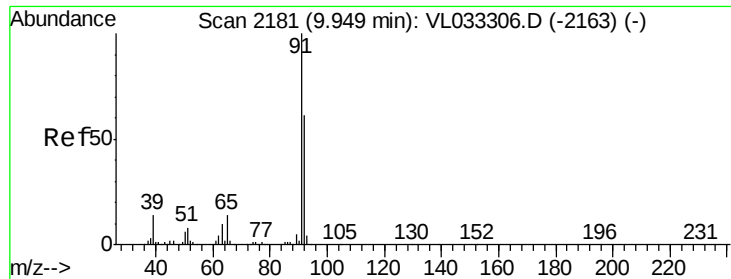
MMDadoda
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#52
Tetrachloroethene
Concen: 1.186 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	113.9	103.2	154.8
129	96.1	85.8	128.8
131	98.2	83.6	125.4





#53

Toluene

Concen: 1.055 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033301.D

Acq: 13 Mar 2019 17:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 204524

Ion Ratio Lower Upper

91 100

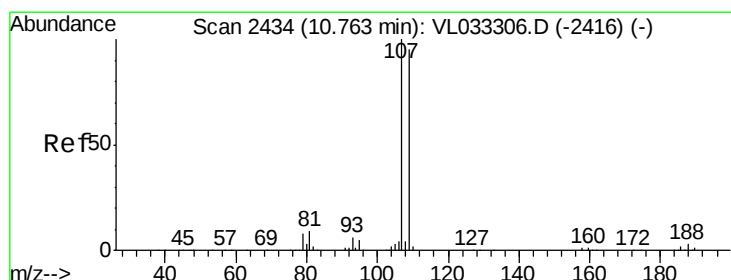
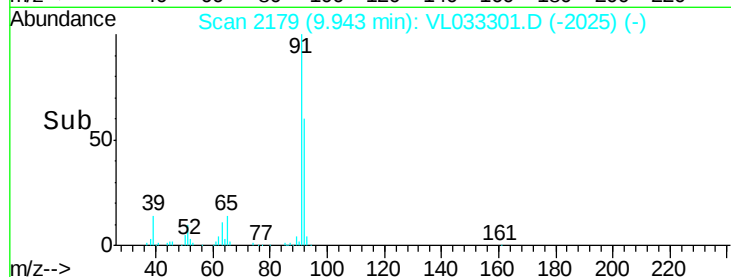
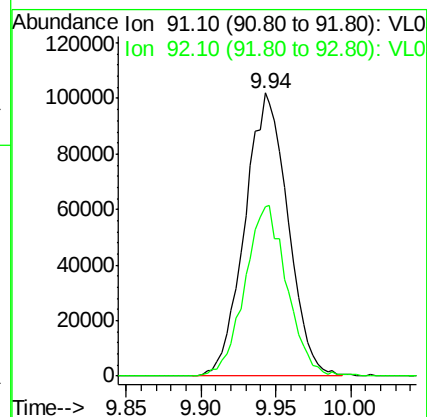
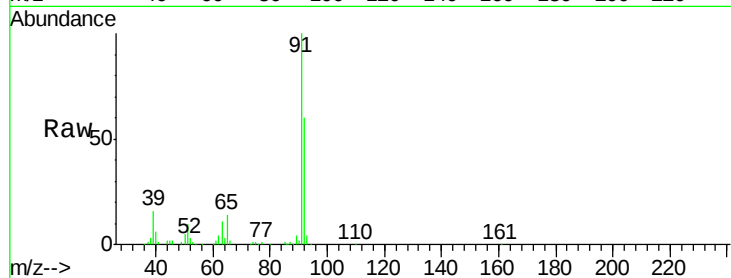
92 58.9 47.4 71.2

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#54

1,2-Dibromoethane

Concen: 1.183 ppbv

RT: 10.76 min Scan# 2432

Delta R.T. -0.00 min

Lab File: VL033301.D

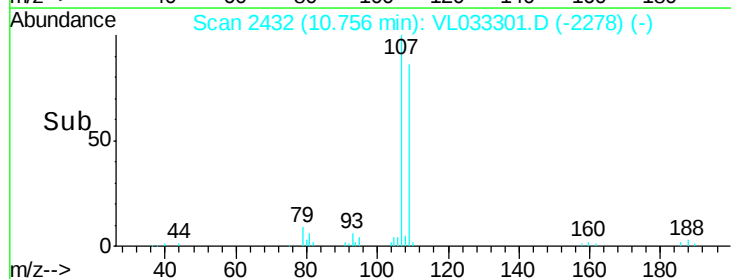
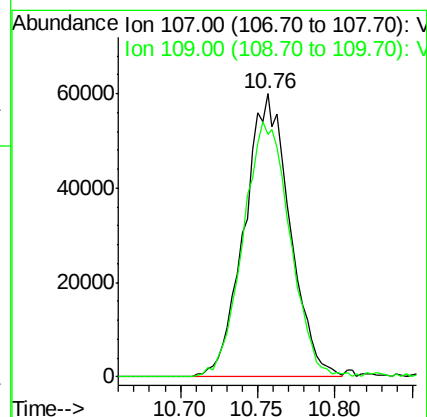
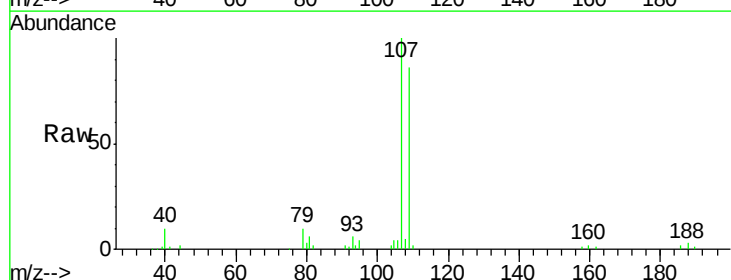
Acq: 13 Mar 2019 17:49

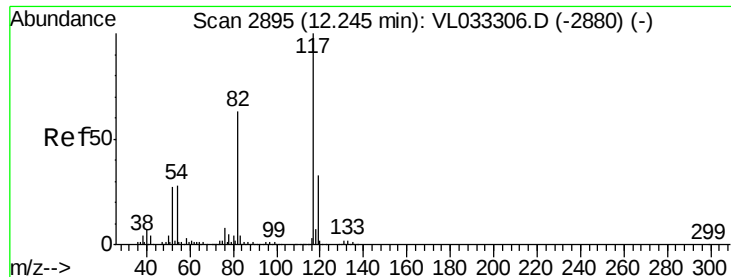
Tgt Ion: 107 Resp: 122805

Ion Ratio Lower Upper

107 100

109 85.3 74.3 111.5





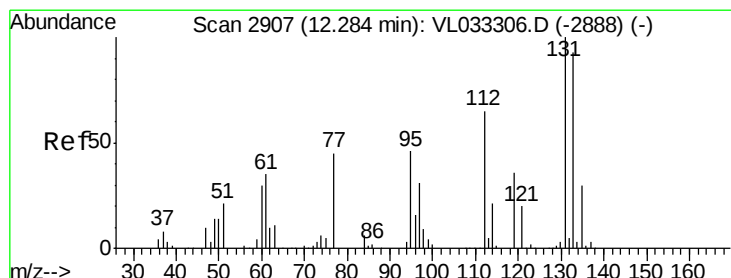
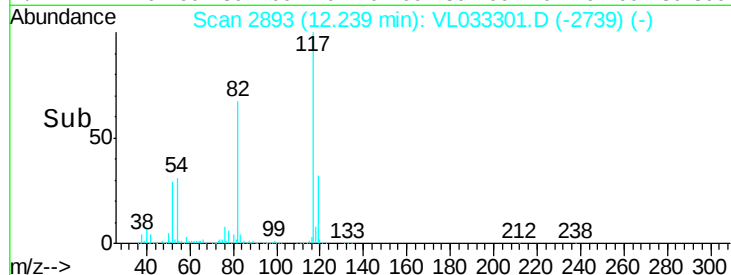
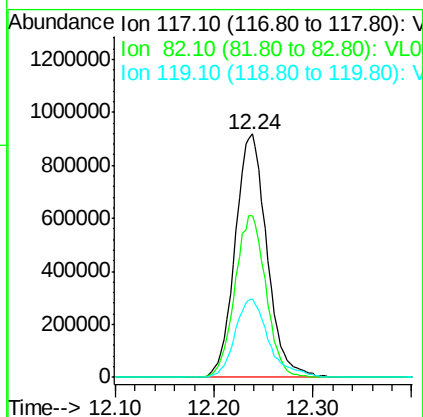
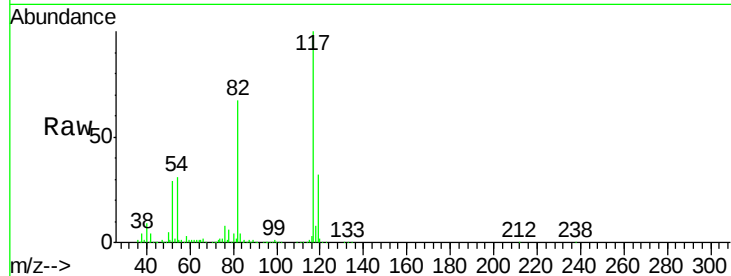
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:117 Resp: 2048235
Ion Ratio Lower Upper
117 100
82 65.1 51.3 76.9
119 34.1 27.0 40.4

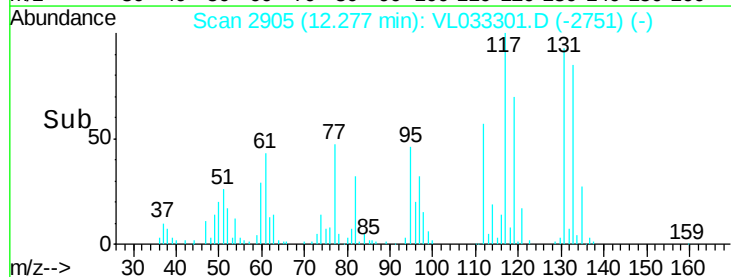
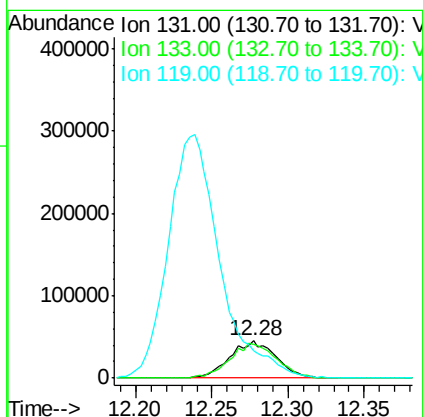
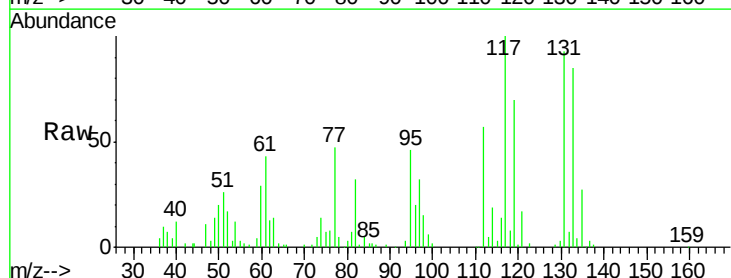
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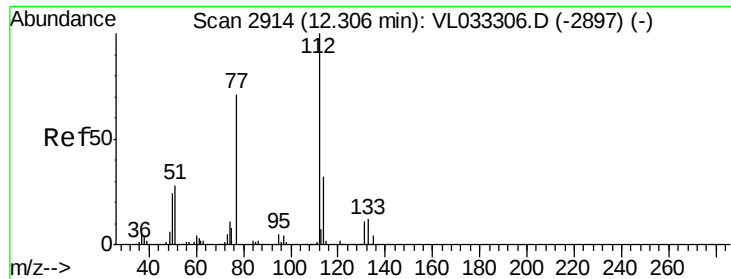
MMDadoda
3/15/2019 10:41:42 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 1.091 ppbv m
RT: 12.28 min Scan# 2905
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion:131 Resp: 95024
Ion Ratio Lower Upper
131 100
133 95.1 75.3 112.9
119 0.0 45.0 67.4#





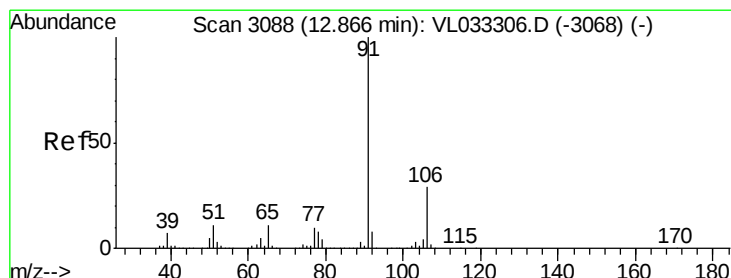
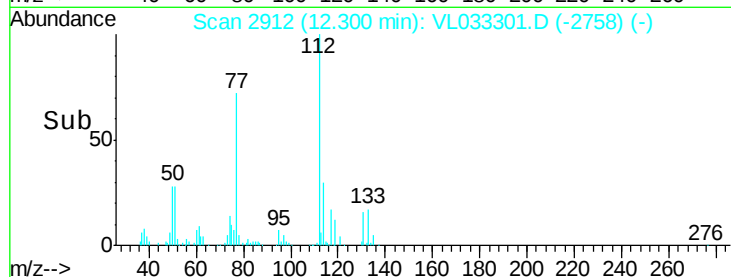
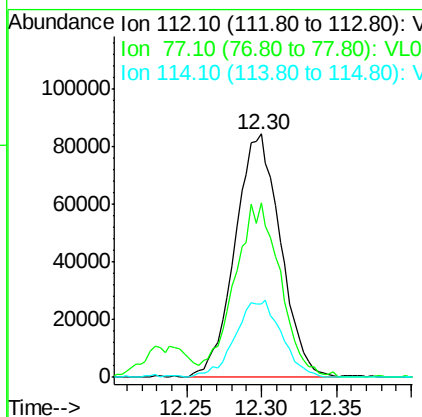
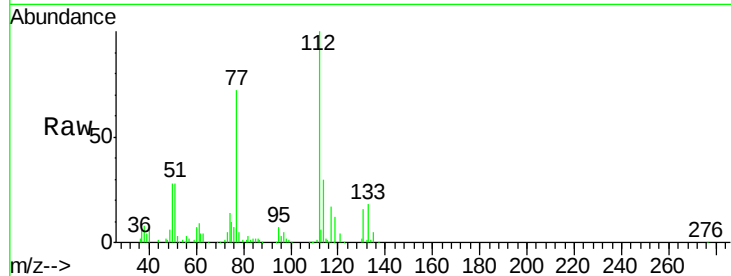
#57
Chlorobenzene
Concen: 1.150 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	177695		
77	71.6	54.7	82.1	
114	32.4	29.6	36.2	

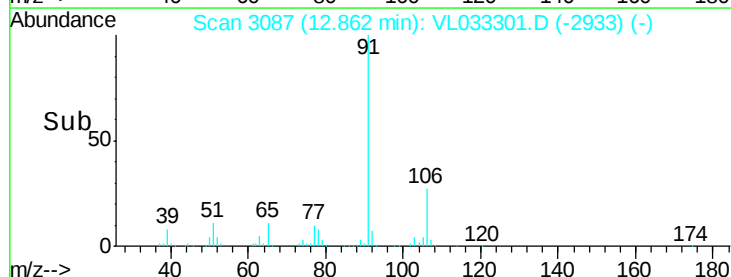
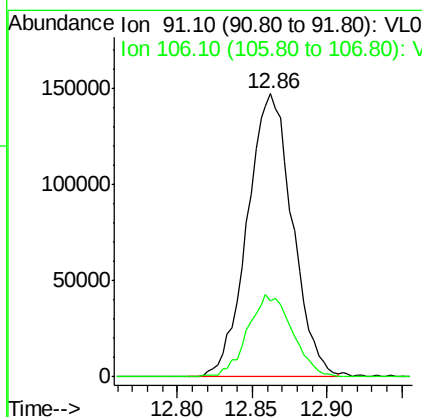
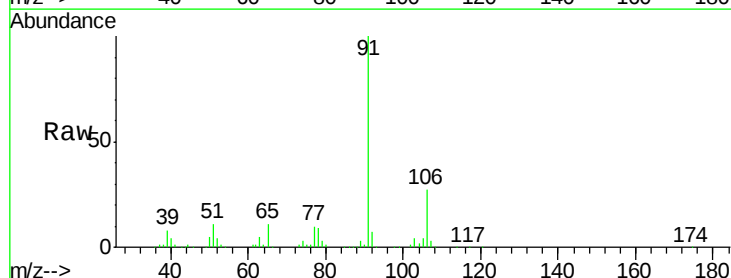
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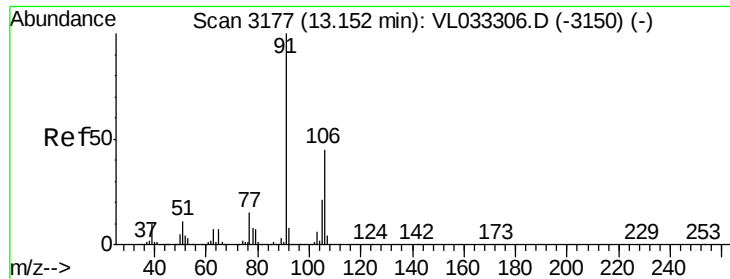
MMDadoda
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#58
Ethyl Benzene
Concen: 1.097 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	308845		
106	27.0	23.8	35.6	





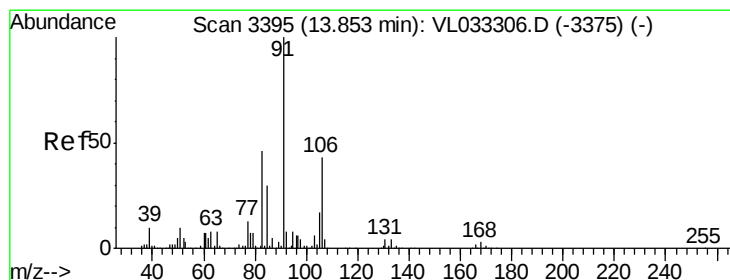
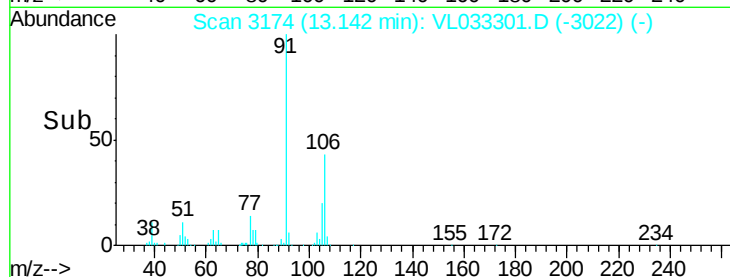
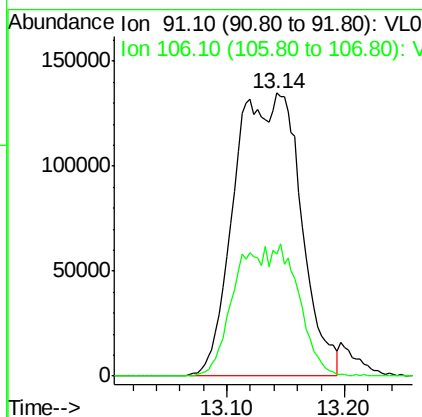
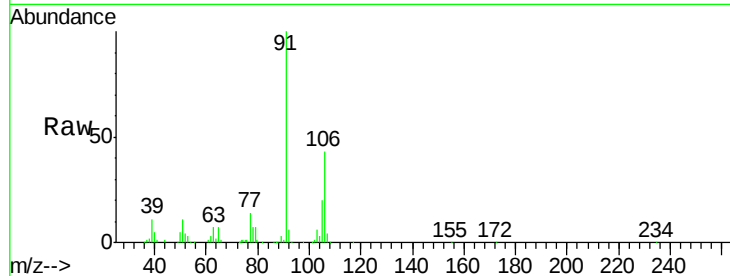
#59
m/p-Xylene
Concen: 2.239 ppbv m
RT: 13.14 min Scan# 3174
Delta R.T. -0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 526918
Ion Ratio Lower Upper
91 100
106 44.1 0.0 0.0#

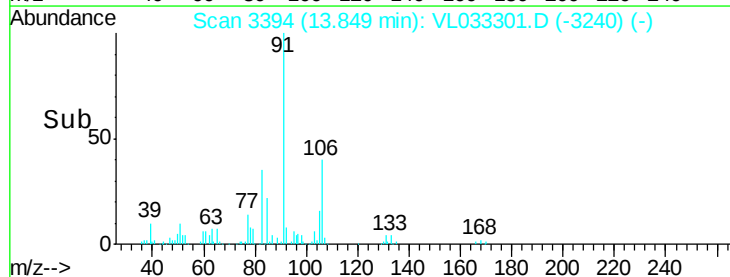
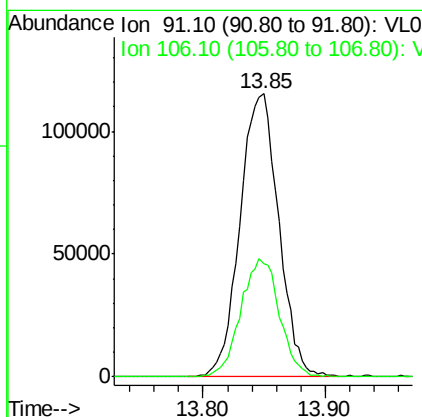
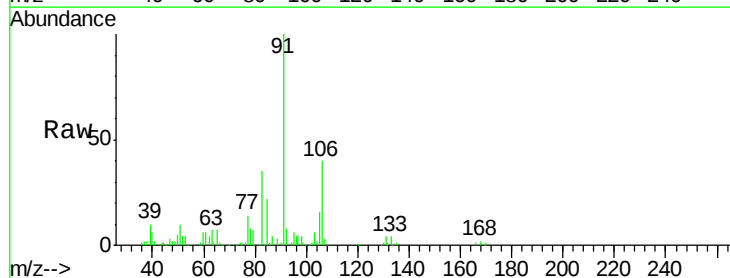
Manual Integrations
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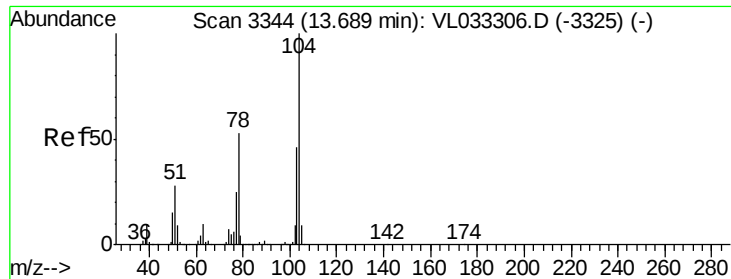
MMDadoda
3/15/2019 10:41:42 PM



#60
o-Xylene
Concen: 1.113 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 91 Resp: 251951
Ion Ratio Lower Upper
91 100
106 41.8 21.4 64.3





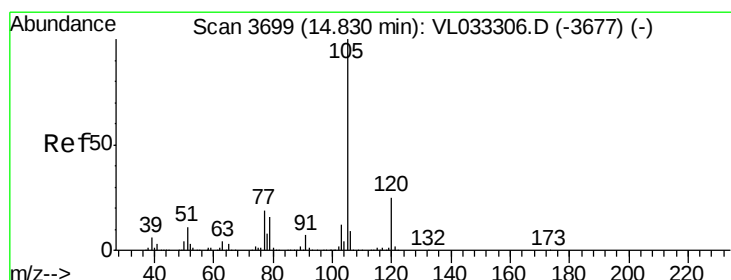
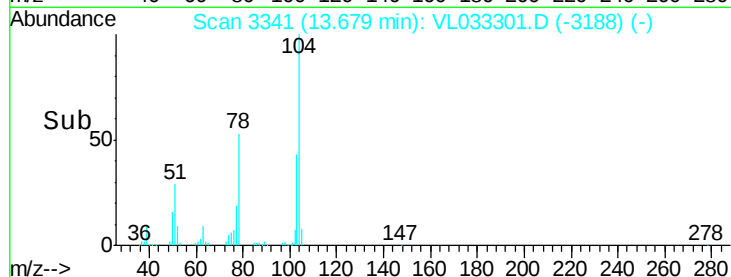
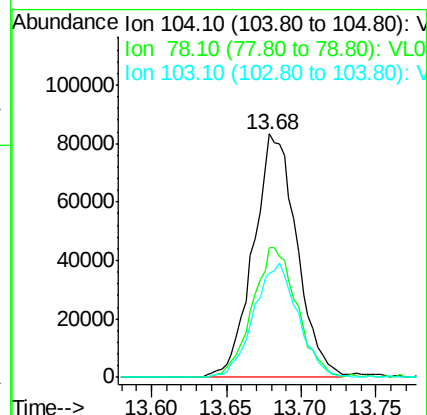
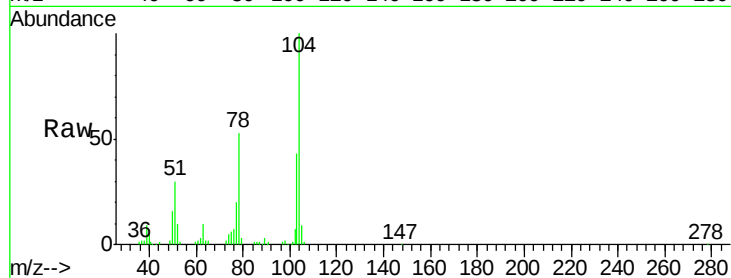
#61
Styrene
Concen: 1.044 ppbv
RT: 13.68 min Scan# 3341
Delta R.T. -0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	168201		
78	54.8	43.3	64.9	
103	47.6	38.2	57.2	

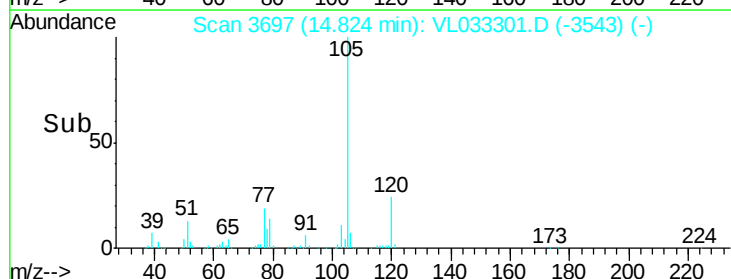
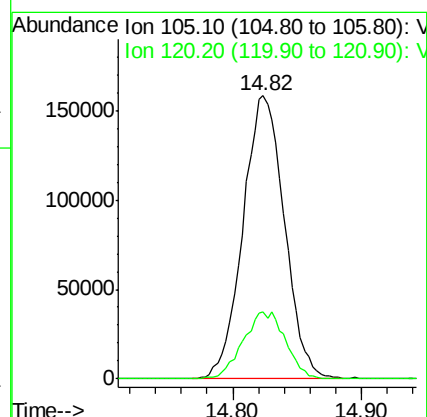
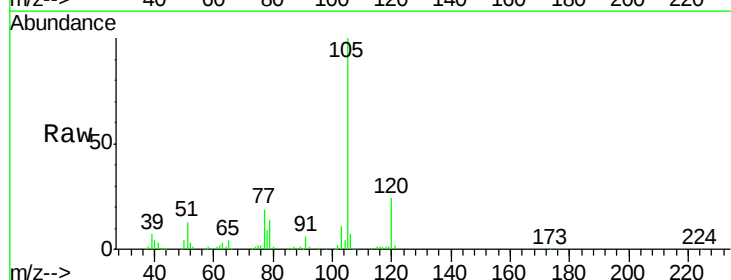
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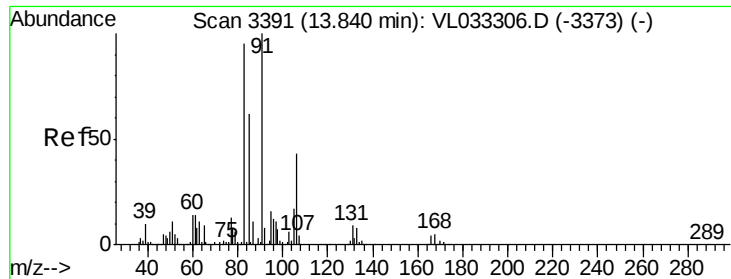
MMDadoda
3/15/2019 10:41:42 PM



#62
Isopropylbenzene
Concen: 1.119 ppbv
RT: 14.82 min Scan# 3697
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	352768		
120	24.5	19.9	29.9	





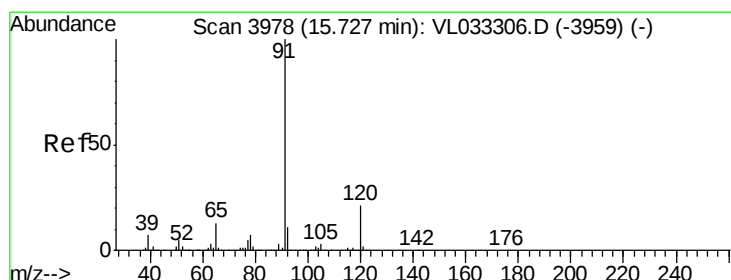
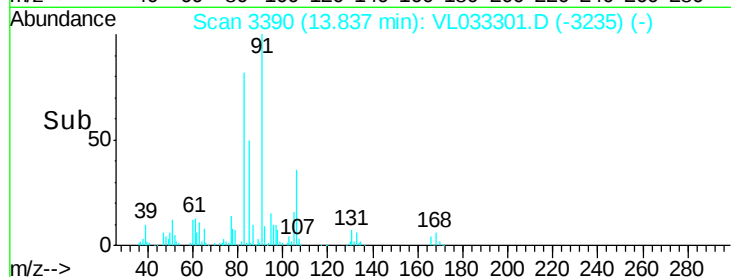
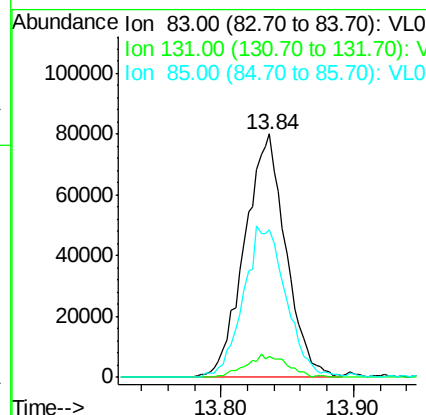
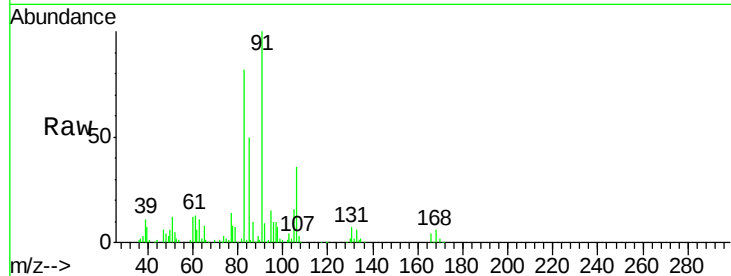
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.139 ppbv
 RT: 13.84 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VL033301.D
 Acq: 13 Mar 2019 17:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.6	13.8
85	64.4	32.5	97.4

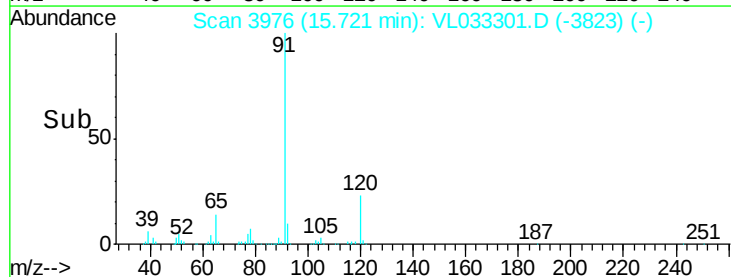
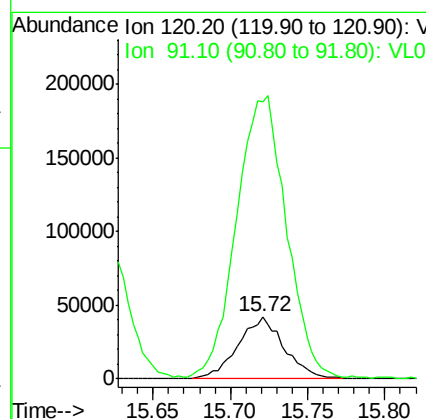
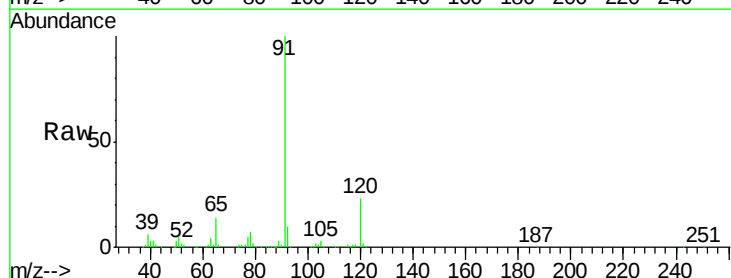
Manual Integrations
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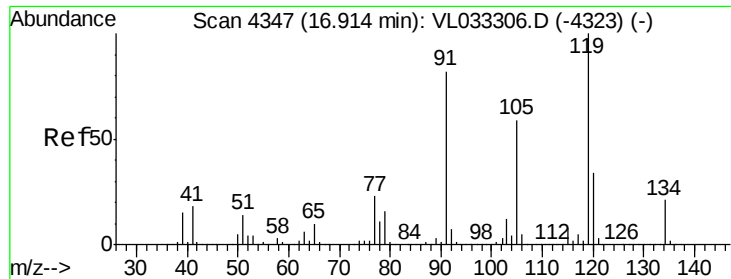
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#64
 n-propylbenzene
 Concen: 1.121 ppbv
 RT: 15.72 min Scan# 3976
 Delta R.T. -0.01 min
 Lab File: VL033301.D
 Acq: 13 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
120	100		
91	500.3	393.7	590.5





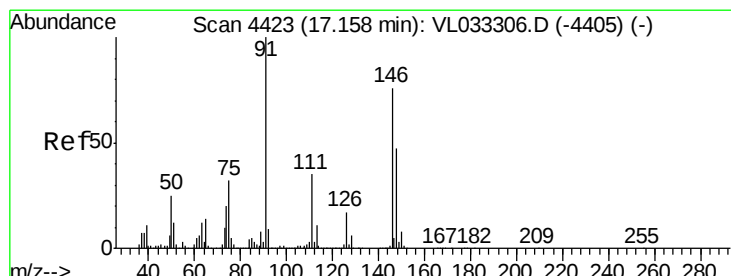
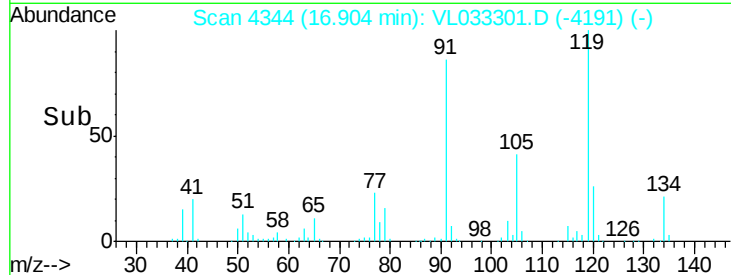
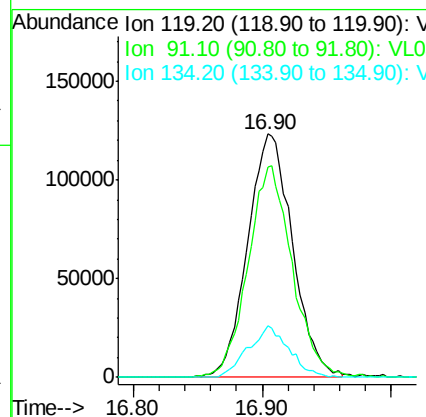
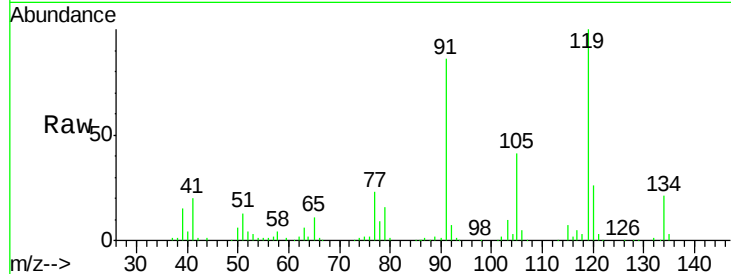
#65
 tert-Butylbenzene
 Concen: 1.120 ppbv
 RT: 16.90 min Scan# 4344
 Delta R.T. -0.01 min
 Lab File: VL033301.D
 Acq: 13 Mar 2019 17:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Resp Lower	Resp Upper
119	100		
91	86.0	66.4	99.6
134	19.2	15.4	23.2

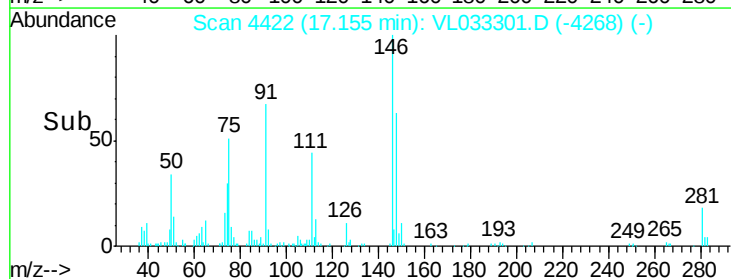
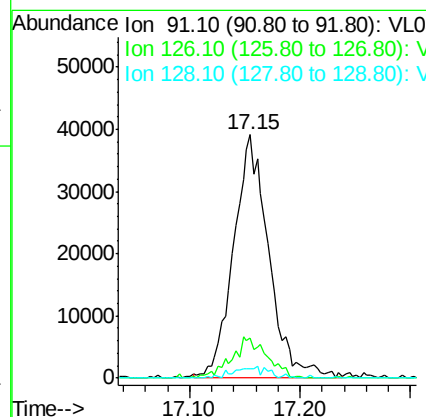
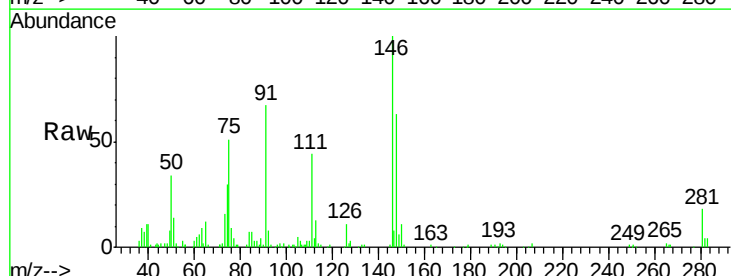
Manual Integrations
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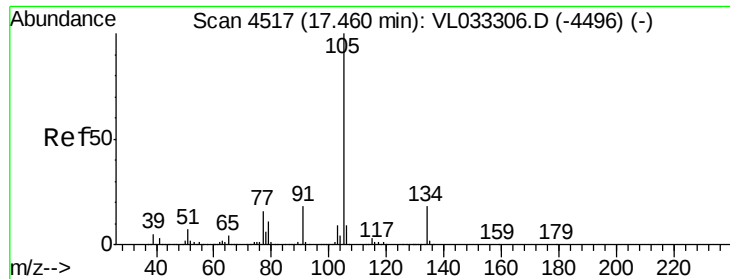
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#66
 Benzyl Chloride
 Concen: 0.843 ppbv m
 RT: 17.15 min Scan# 4422
 Delta R.T. -0.00 min
 Lab File: VL033301.D
 Acq: 13 Mar 2019 17:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
91	100		
126	17.0	12.9	19.3
128	4.7	4.2	6.2





#67

sec-Butylbenzene

Concen: 1.110 ppbv

RT: 17.46 min Scan# 4516

Delta R.T. -0.00 min

Lab File: VL033301.D

Acq: 13 Mar 2019 17:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 105 Resp: 420384

Ion Ratio Lower Upper

105 100

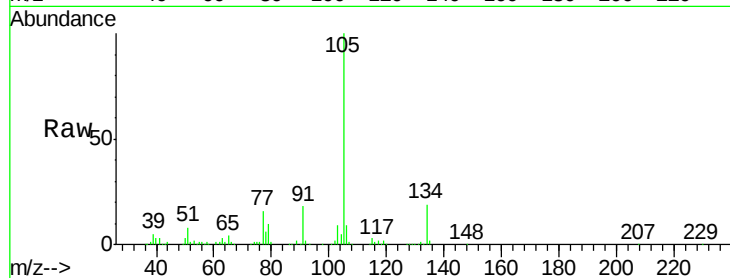
134 17.6 14.2 21.2

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

200000

17.46

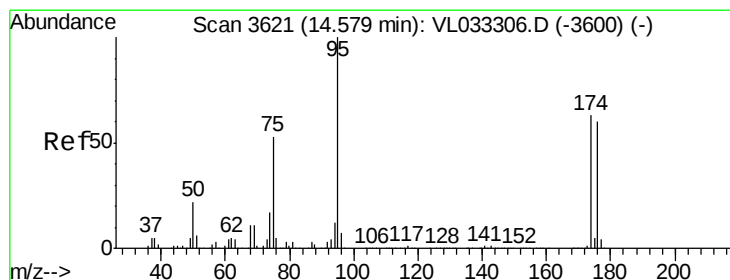
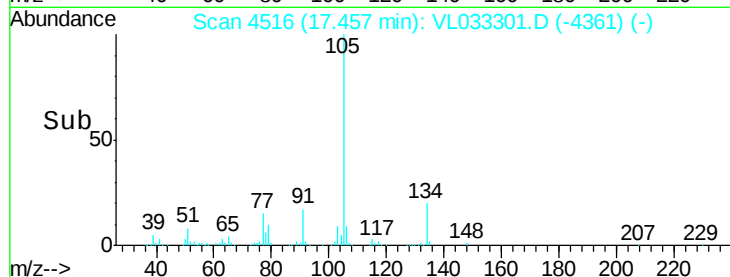
150000

100000

50000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.945 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.01 min

Lab File: VL033301.D

Acq: 13 Mar 2019 17:49

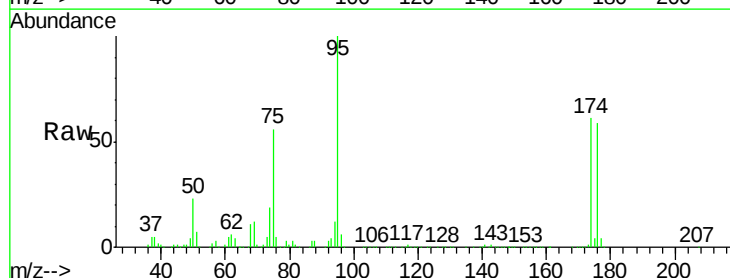
Tgt Ion: 95 Resp: 1573088

Ion Ratio Lower Upper

95 100

174 64.3 51.9 77.9

175 4.7 3.9 5.9



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

1000000

800000

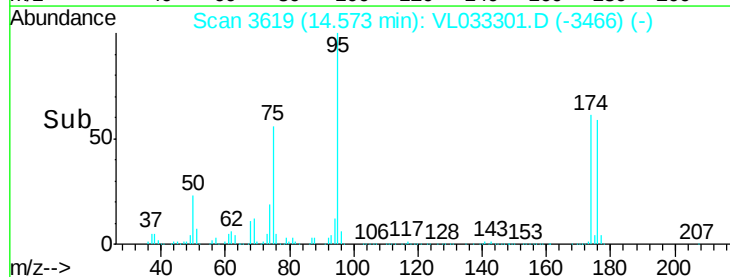
600000

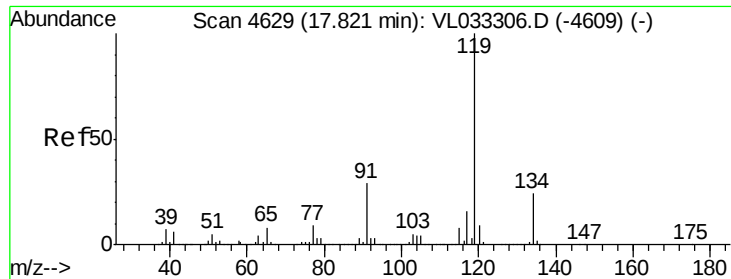
400000

200000

0

Time-->





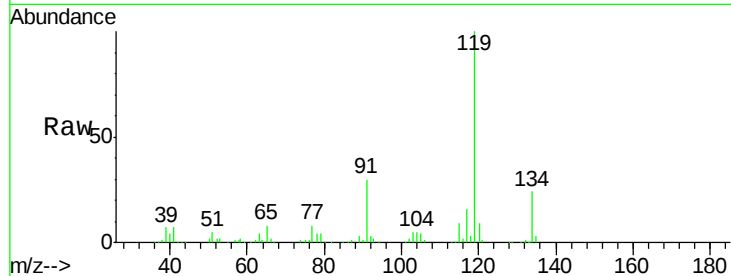
#69
p-Isopropyltoluene
Concen: 1.079 ppbv m
RT: 17.81 min Scan# 4626
Delta R.T. -0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

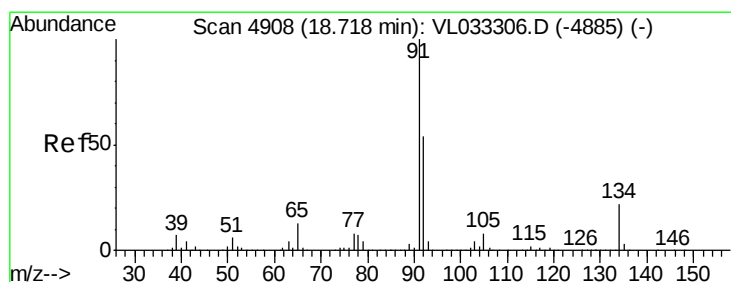
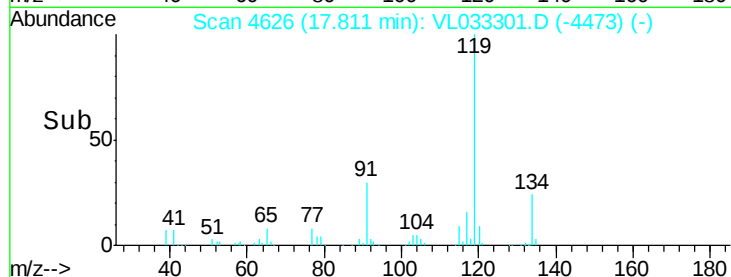
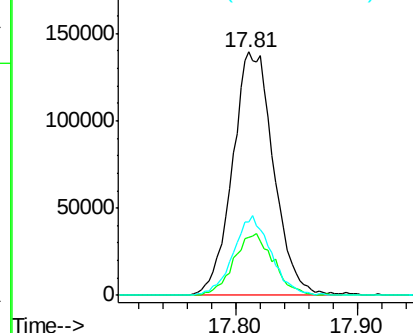
Tgt Ion	Ratio	Resp	Lower	Upper
119	100	330100		
134	0.0	19.8	29.6#	
91	0.0	23.8	35.8#	

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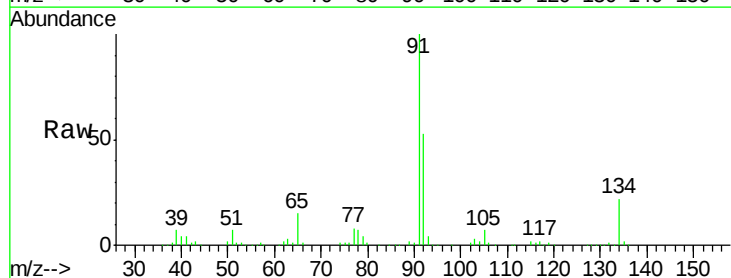


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

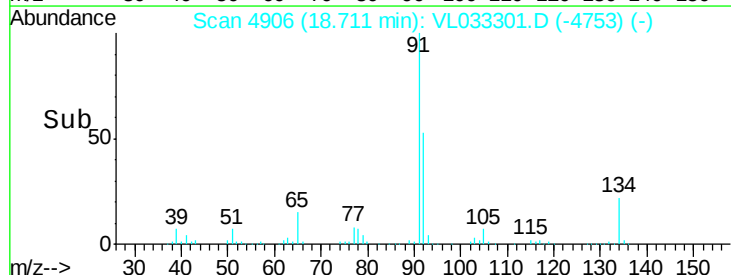
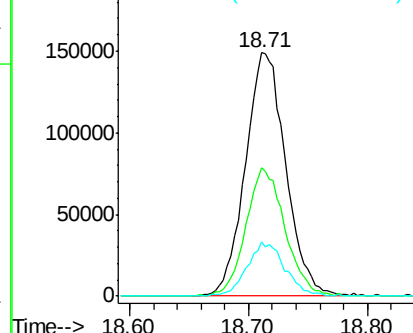


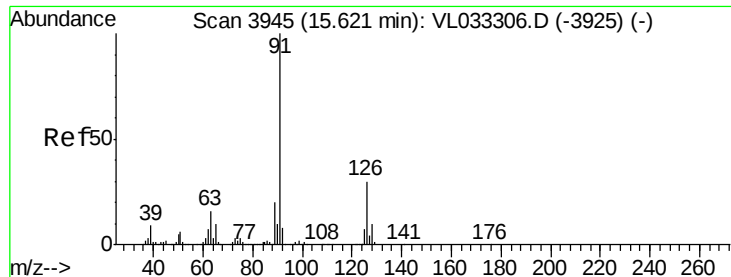
#70
n-Butylbenzene
Concen: 1.064 ppbv
RT: 18.71 min Scan# 4906
Delta R.T. -0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	349683		
92	51.2	42.6	63.8	
134	20.7	17.4	26.0	



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V





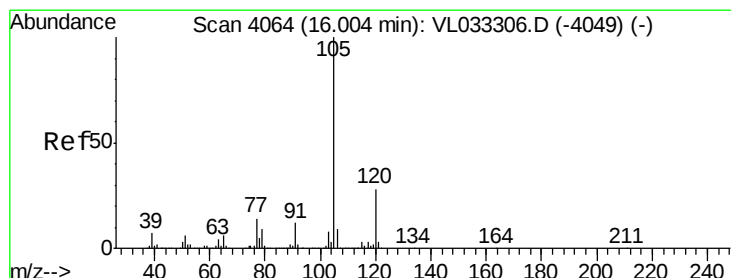
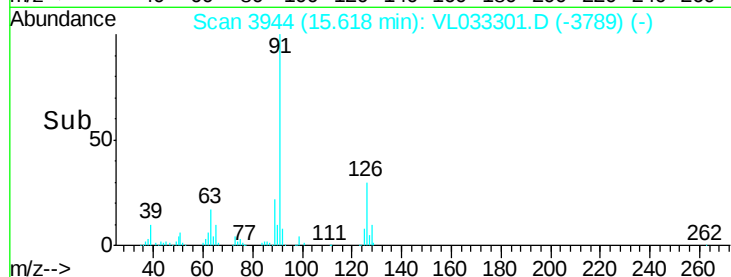
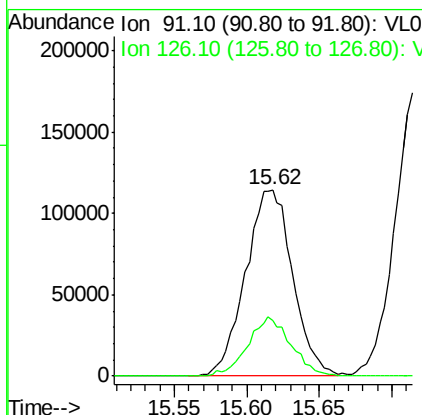
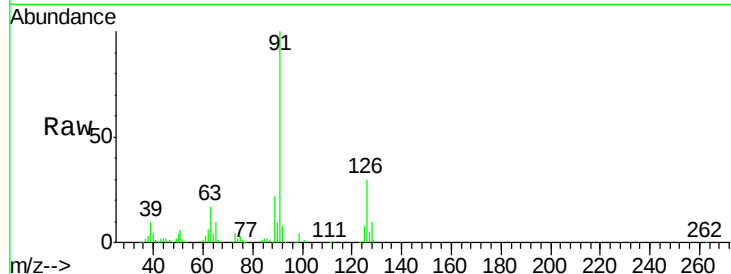
#71
 2-Chlorotoluene
 Concen: 1.088 ppbv
 RT: 15.62 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VL033301.D
 Acq: 13 Mar 2019 17:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 91 Resp: 258577
 Ion Ratio Lower Upper
 91 100
 126 29.2 11.8 47.0

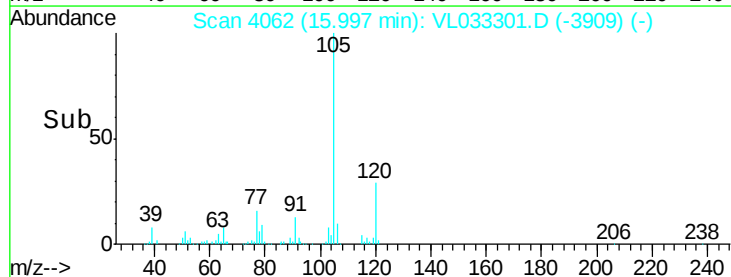
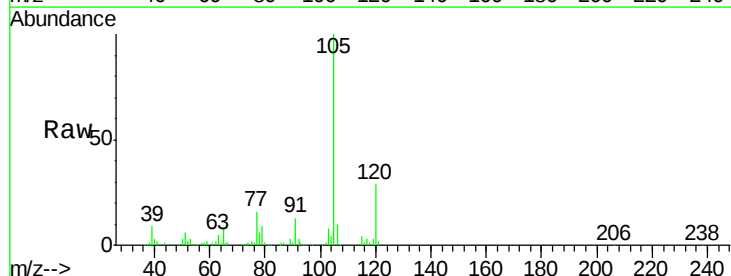
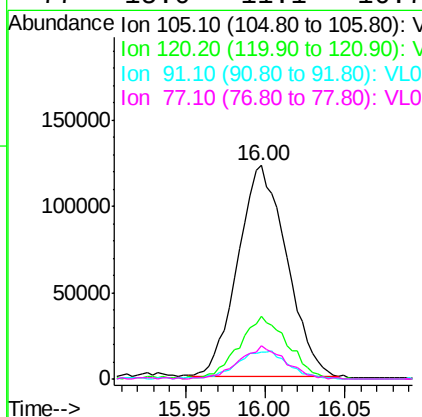
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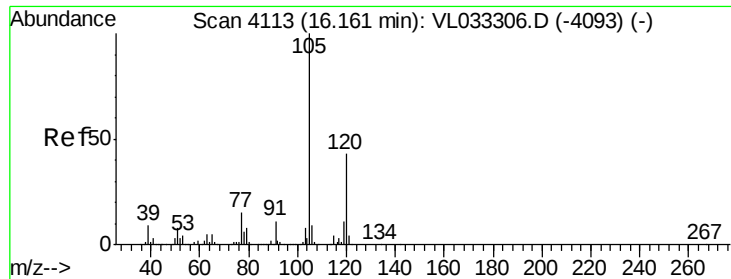
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#72
 4-Ethyltoluene
 Concen: 1.042 ppbv
 RT: 16.00 min Scan# 4062
 Delta R.T. -0.01 min
 Lab File: VL033301.D
 Acq: 13 Mar 2019 17:49

Tgt Ion: 105 Resp: 254720
 Ion Ratio Lower Upper
 105 100
 120 30.8 22.7 34.1
 91 14.2 10.3 15.5
 77 15.0 11.1 16.7





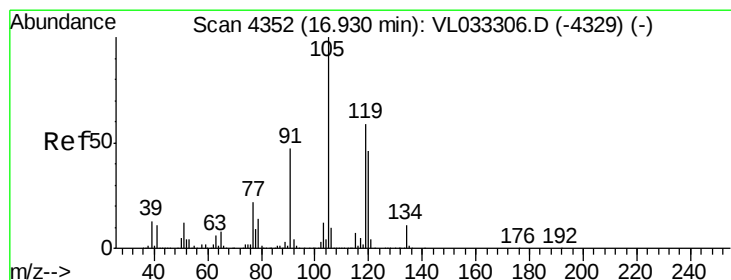
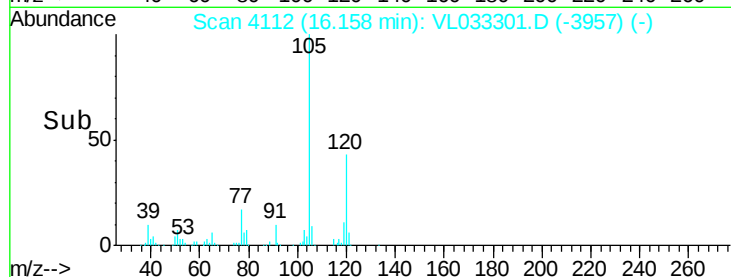
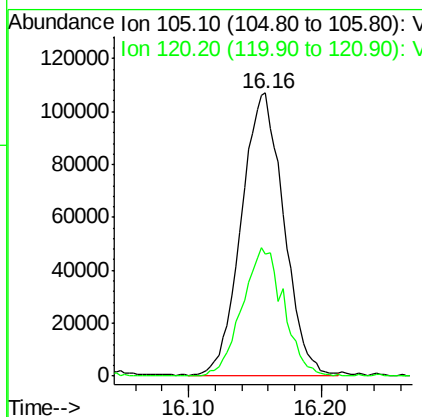
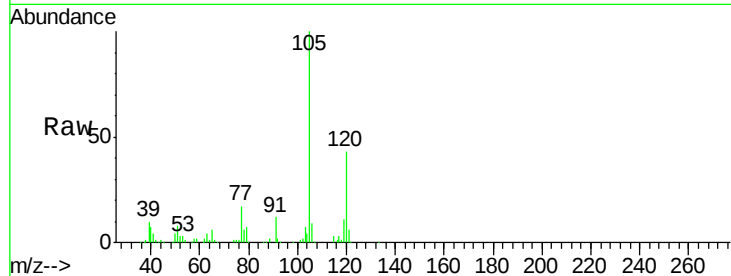
#73
 1,3,5-Trimethylbenzene
 Concen: 1.025 ppbv
 RT: 16.16 min Scan# 4112
 Delta R.T. -0.00 min
 Lab File: VL033301.D
 Acq: 13 Mar 2019 17:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	236105		
120	43.2	34.6	52.0	

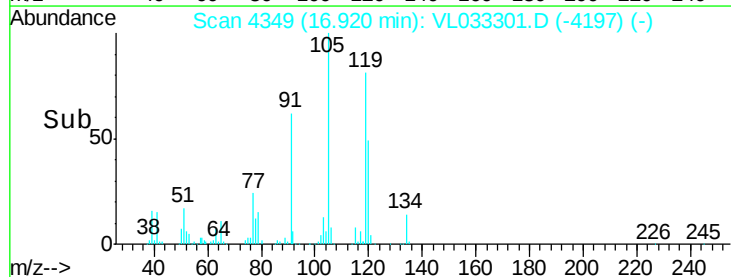
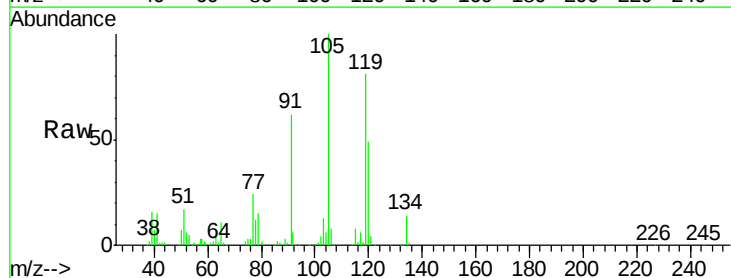
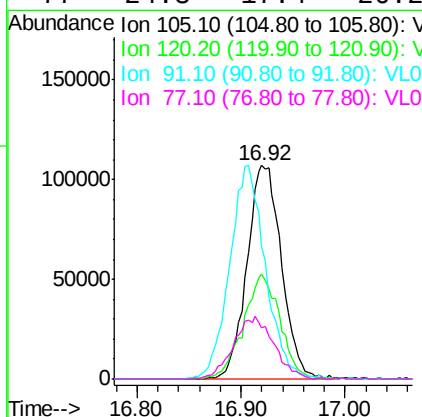
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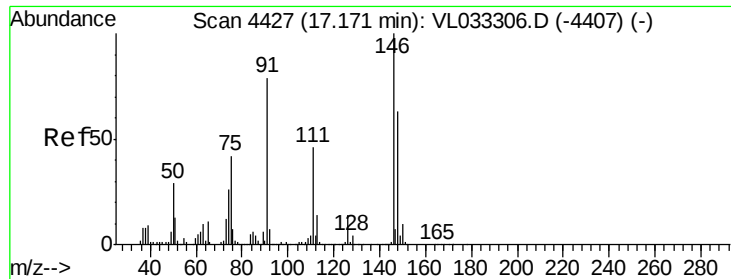
MMDadoda
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#74
 1,2,4-Trimethylbenzene
 Concen: 1.052 ppbv m
 RT: 16.92 min Scan# 4349
 Delta R.T. -0.01 min
 Lab File: VL033301.D
 Acq: 13 Mar 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	246704		
120	49.4	35.2	52.8	
91	62.3	34.0	51.0#	
77	24.3	17.4	26.2	





#75

1,3-Dichlorobenzene

Concen: 1.150 ppbv m

RT: 17.17 min Scan# 4426

Delta R.T. -0.00 min

Lab File: VL033301.D

Acq: 13 Mar 2019 17:49

Instrument :

MSVOA_L

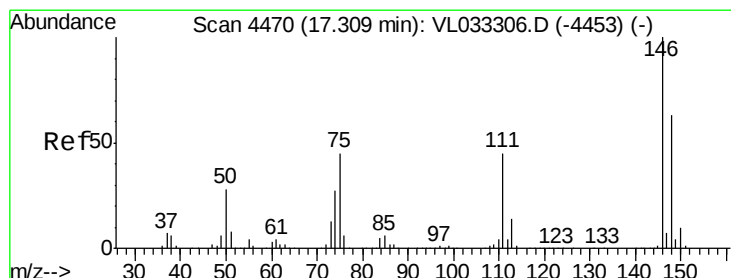
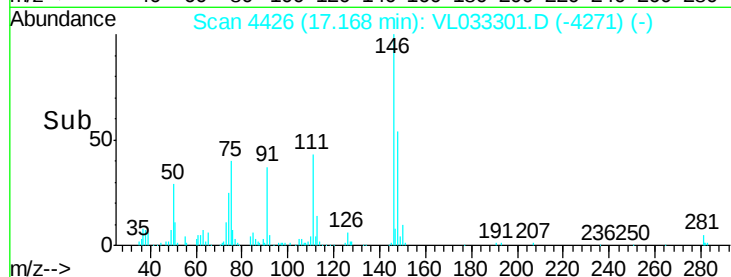
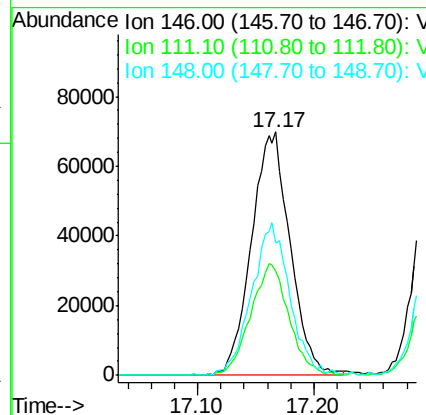
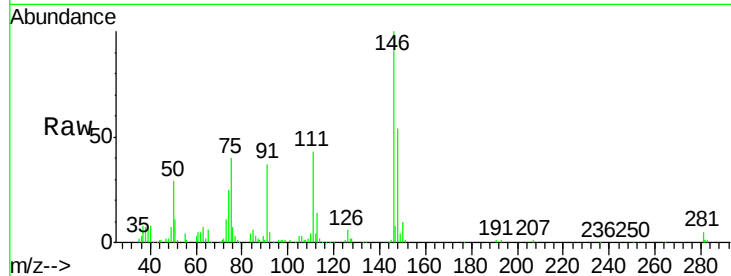
ClientSampleId :

VSTDIC001

Tgt Ion:146 Resp: 161717
 Ion Ratio Lower Upper
 146 100
 111 45.9 22.9 68.7
 148 0.0 32.4 97.0#

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#76

1,4-Dichlorobenzene

Concen: 1.116 ppbv

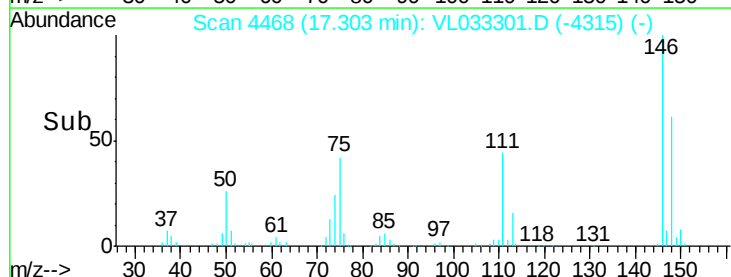
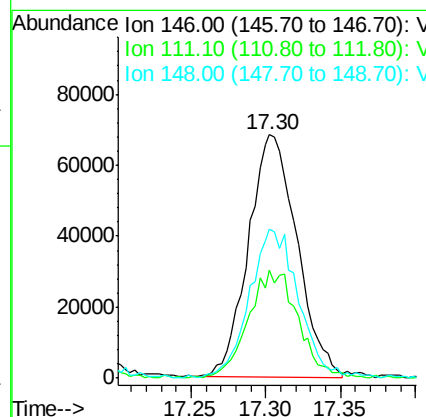
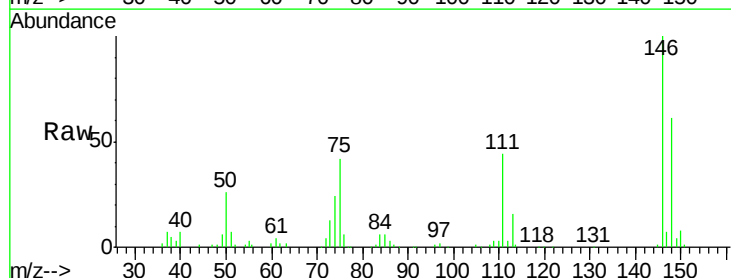
RT: 17.30 min Scan# 4468

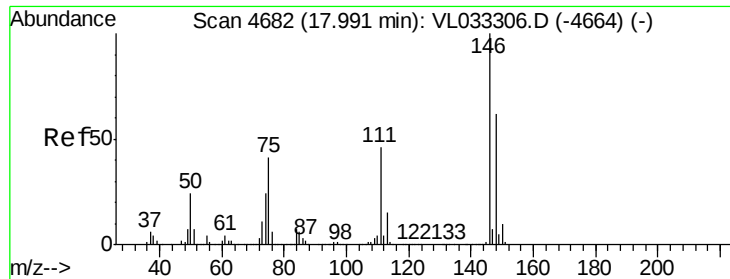
Delta R.T. -0.01 min

Lab File: VL033301.D

Acq: 13 Mar 2019 17:49

Tgt Ion:146 Resp: 155128
 Ion Ratio Lower Upper
 146 100
 111 45.7 21.9 65.5
 148 62.8 31.8 95.4





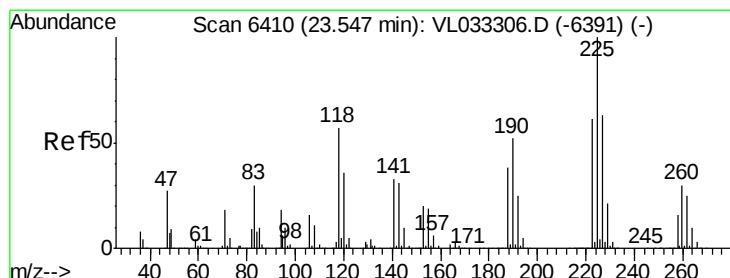
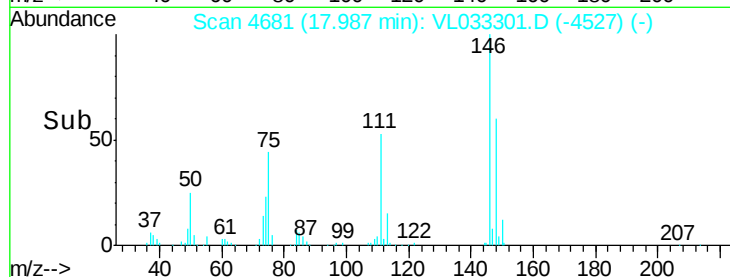
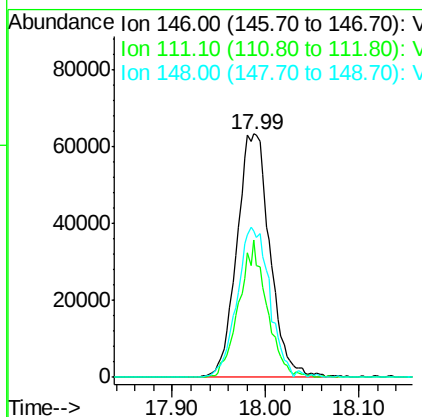
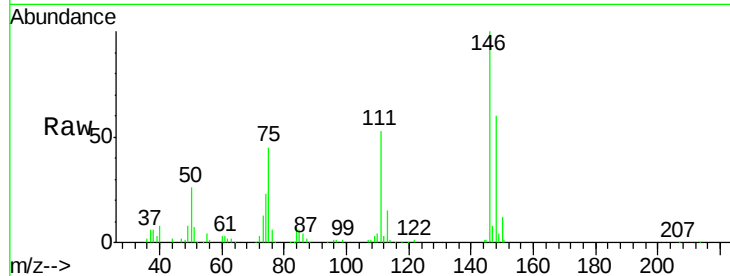
#77
 1,2-Dichlorobenzene
 Concen: 1.109 ppbv m
 RT: 17.99 min Scan# 4681
 Delta R.T. -0.00 min
 Lab File: VL033301.D
 Acq: 13 Mar 2019 17:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.7	23.2	69.6
148	0.0	32.0	96.0

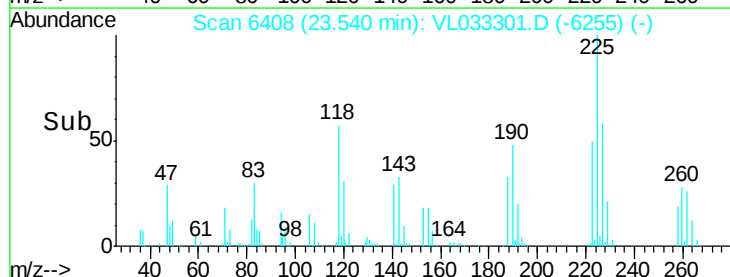
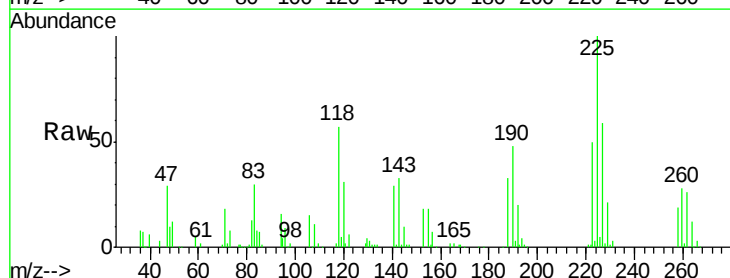
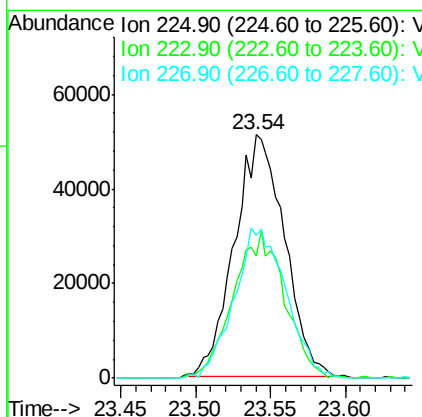
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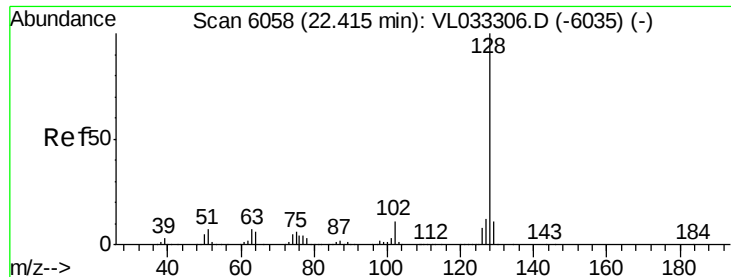
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#78
 Hexachloro-1,3-Butadiene
 Concen: 1.027 ppbv
 RT: 23.54 min Scan# 6408
 Delta R.T. -0.01 min
 Lab File: VL033301.D
 Acq: 13 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.3	75.5
227	63.8	51.2	76.8





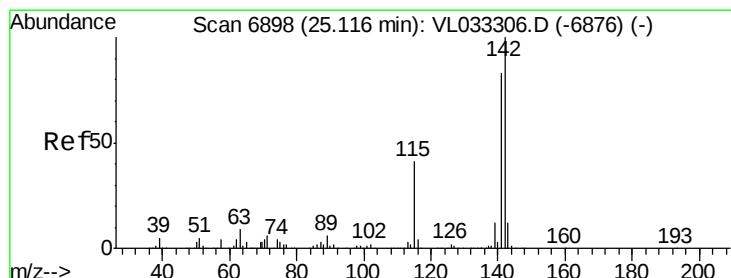
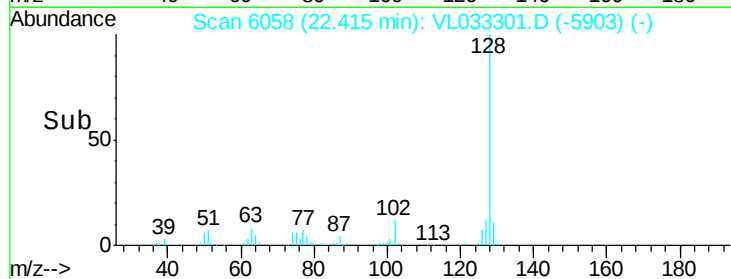
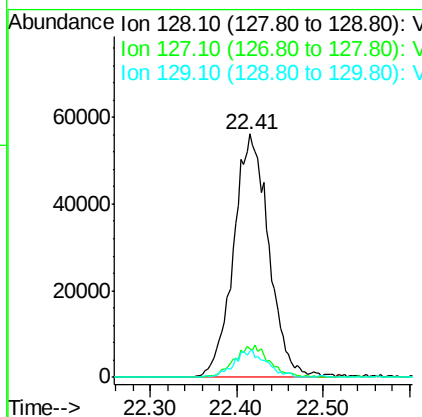
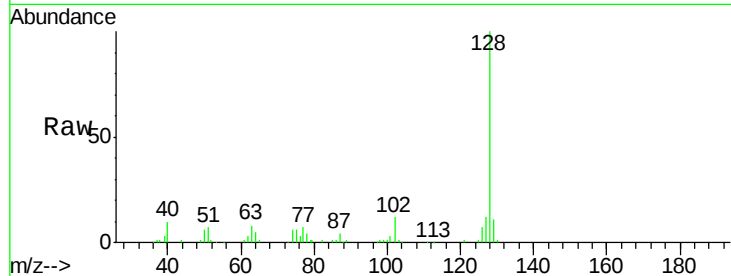
#79
Naphthalene
Concen: 0.625 ppbv m
RT: 22.41 min Scan# 6058
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	158673		
127	11.7	10.8	16.2	
129	10.8	8.9	13.3	

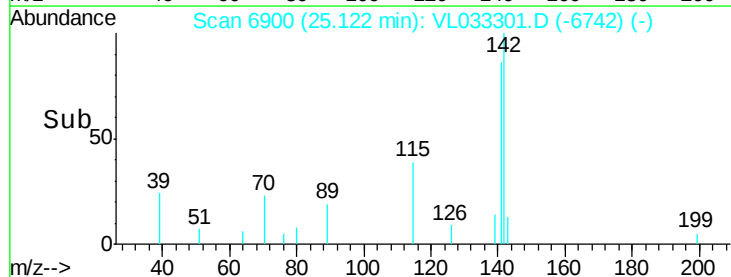
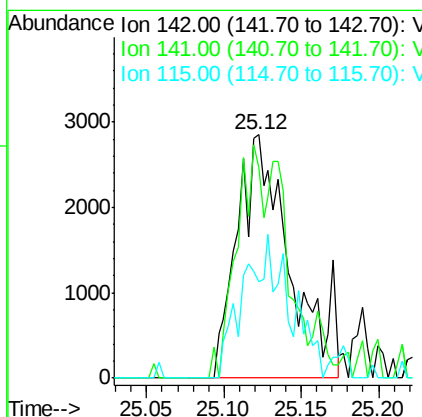
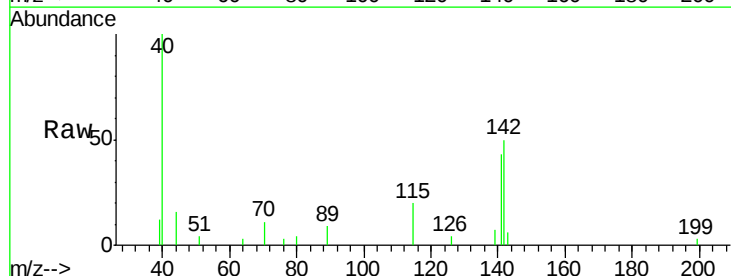
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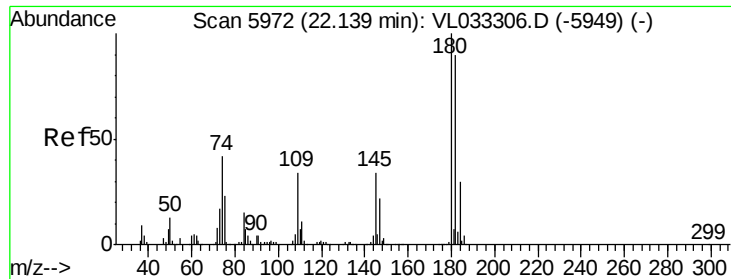
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#80
Naphthalene, 2-methyl-
Concen: 0.097 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	6760		
141	94.7	67.2	100.8	
115	54.8	33.6	50.4	





#81
 1,2,4-Trichlorobenzene
 Concen: 0.760 ppbv m
 RT: 22.14 min Scan# 5972
 Delta R.T. -0.00 min
 Lab File: VL033301.D
 Acq: 13 Mar 2019 17:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	101563		
182	95.5	76.4	114.6	
184	29.7	24.6	36.8	

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