

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050119\
 Data File : VL033616.D
 Acq On : 1 May 2019 13:13
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 5/4/2019 7:17:24 AM

Quant Time: May 02 05:06:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050119AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 02 05:06:44 2019
 QLast Update : Thu May 02 04:03:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	1141177	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2671082	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2792278	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2273617	10.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	209887	1.220	ppbv	97
3) Chlorodifluoromethane	3.00	51	146089m	1.000	ppbv	
4) Chloromethane	3.16	50	79071	1.064	ppbv	95
5) Vinyl Chloride	3.28	62	75987	0.975	ppbv	95
6) Bromomethane	3.51	94	47893	1.044	ppbv	96
7) Chloroethane	3.59	64	27941	1.075	ppbv	89
8) Dichlorotetrafluoroethane	3.21	85	209298	1.119	ppbv	97
9) Propene	3.02	41	58061	1.486	ppbv	88
10) Heptane	8.24	43	144199	0.998	ppbv	98
11) Trichlorofluoromethane	4.00	101	219832	1.075	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.54	101	147114	1.049	ppbv	98
13) Ethanol	3.64	45	23120m	1.305	ppbv	
14) Bromoethene	3.78	108	58769	1.021	ppbv #	96
15) Acetone	3.89	43	153310	1.103	ppbv	99
16) 1,3-Butadiene	3.35	39	65700	1.051	ppbv	96
17) tert-Butyl alcohol	4.35	59	129382	1.079	ppbv	100
18) 1,1-Dichloroethene	4.34	96	65283	1.072	ppbv	95
19) Isopropyl Alcohol	4.01	45	109746	1.151	ppbv #	96
20) Methylene Chloride	4.40	84	58020	1.072	ppbv	95
21) Allyl Chloride	4.47	41	88874	1.017	ppbv	99
22) trans-1,2-Dichloroethene	4.95	96	62826	1.053	ppbv	85
23) Vinyl Acetate	5.14	43	205041	0.992	ppbv #	98
24) 1,1-Dichloroethane	5.08	63	160784	1.045	ppbv	100
25) Ethyl Acetate	5.76	43	277231	1.051	ppbv	99
26) Hexane	5.77	57	113667	1.024	ppbv	92
27) Carbon Disulfide	4.62	76	130182	0.968	ppbv #	91
28) Methyl tert-Butyl Ether	5.11	73	190299	1.016	ppbv	100
29) Chloroform	5.84	83	214370	1.053	ppbv	97
30) Cyclohexane	7.24	84	91385	0.949	ppbv	96
31) cis-1,2-Dichloroethene	5.63	61	109705	0.979	ppbv	95
32) 1,1,1-Trichloroethane	6.61	97	227589	1.068	ppbv	99
34) 2-Butanone	5.32	43	165118	1.007	ppbv	98
35) Carbon Tetrachloride	7.12	117	218137	1.031	ppbv	92
36) Benzene	7.00	78	229225	1.007	ppbv	95
37) 1,2-Dichloroethane	6.40	62	161546	1.068	ppbv	99
38) Trichloroethene	7.95	130	93162	1.022	ppbv	95
39) 1,2-Dichloropropane	7.72	63	91712	1.069	ppbv	95
40) 1,4-Dioxane	7.97	88	31916	0.916	ppbv #	1
41) Tetrahydrofuran	6.15	42	90901	1.038	ppbv	98
42) Bromodichloromethane	7.90	83	207505	1.014	ppbv	100
43) Methyl Methacrylate	8.13	69	84250	0.978	ppbv	97

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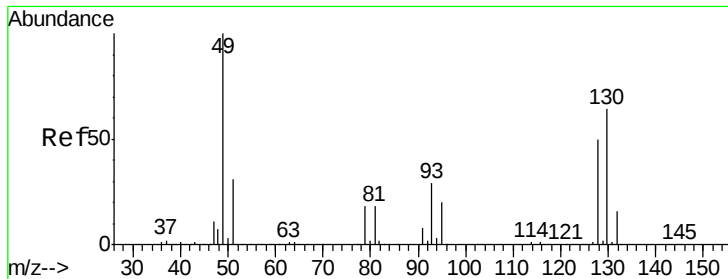
Manual Integrations
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 5/4/2019 7:17:24 AM

Quant Time: May 02 05:06:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050119AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 02 05:06:44 2019
 QLast Update : Thu May 02 04:03:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	421133	1.062	ppbv	97
45) t-1,3-Dichloropropene	9.41	75	99330	0.868	ppbv	92
46) cis-1,3-Dichloropropene	8.82	75	118283	0.916	ppbv	93
47) 1,1,2-Trichloroethane	9.61	97	105308m	0.941	ppbv	
48) Dibromochloromethane	10.43	129	166341m	0.878	ppbv	
49) Bromoform	13.19	173	133888	0.922	ppbv	98
50) 4-Methyl-2-Pentanone	8.87	43	263778	1.027	ppbv	98
51) 2-Hexanone	10.27	43	199401	0.884	ppbv #	94
52) Tetrachloroethene	11.37	164	93742m	1.071	ppbv	
53) Toluene	9.94	91	255622	0.890	ppbv	97
54) 1,2-Dibromoethane	10.75	107	155171	1.008	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.27	131	128600	1.055	ppbv #	1
57) Chlorobenzene	12.29	112	235792	1.086	ppbv	96
58) Ethyl Benzene	12.86	91	353112	1.087	ppbv	94
59) m/p-Xylene	13.13	91	623421m	2.219	ppbv	
60) o-Xylene	13.84	91	315664	1.118	ppbv	98
61) Styrene	13.67	104	205940	1.066	ppbv	97
62) Isopropylbenzene	14.81	105	416979	1.105	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.82	83	246001	1.113	ppbv	99
64) n-propylbenzene	15.71	120	108705	1.111	ppbv	89
65) tert-Butylbenzene	16.89	119	387362m	1.098	ppbv	
66) Benzyl Chloride	17.15	91	148616	0.927	ppbv	99
67) sec-Butylbenzene	17.45	105	536113	1.082	ppbv	99
69) p-Isopropyltoluene	17.80	119	440413	1.068	ppbv	98
70) n-Butylbenzene	18.70	91	481310	1.073	ppbv	98
71) 2-Chlorotoluene	15.61	91	309466	1.096	ppbv	99
72) 4-Ethyltoluene	15.99	105	358285	1.114	ppbv #	98
73) 1,3,5-Trimethylbenzene	16.15	105	350448	1.108	ppbv	98
74) 1,2,4-Trimethylbenzene	16.91	105	392360m	1.113	ppbv	
75) 1,3-Dichlorobenzene	17.15	146	245238	1.118	ppbv	98
76) 1,4-Dichlorobenzene	17.29	146	222354	1.062	ppbv	98
77) 1,2-Dichlorobenzene	17.97	146	218519	1.069	ppbv	99
78) Hexachloro-1,3-Butadiene	23.53	225	174277	1.118	ppbv	98
79) Naphthalene	22.40	128	340414	1.045	ppbv	97
80) Naphthalene, 2-methyl-	25.11	142	124171	0.879	ppbv	99
81) 1,2,4-Trichlorobenzene	22.13	180	207206m	1.098	ppbv	

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



#1

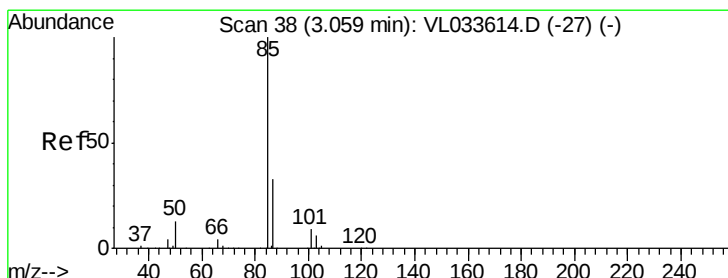
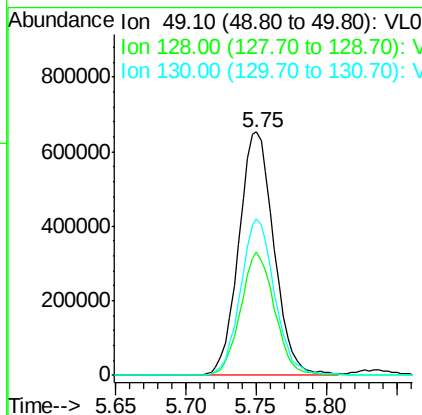
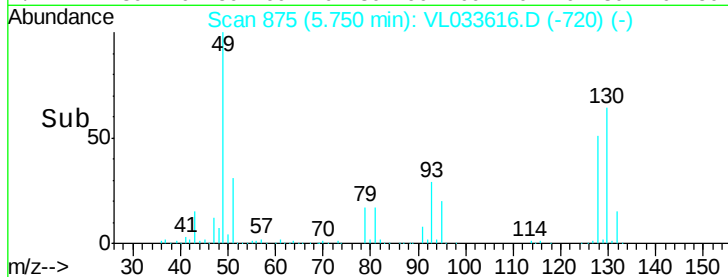
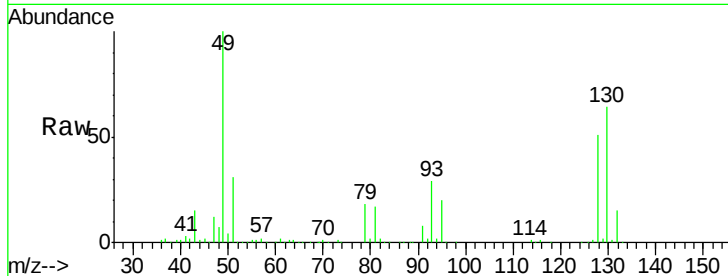
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.75 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: VL033616.D
 Acq: 1 May 2019 13:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:	49	Resp:	1141177
Ion	Ratio	Lower	Upper
49	100		
128	49.2	25.0	75.0
130	62.7	31.9	95.9

Manual Integrations
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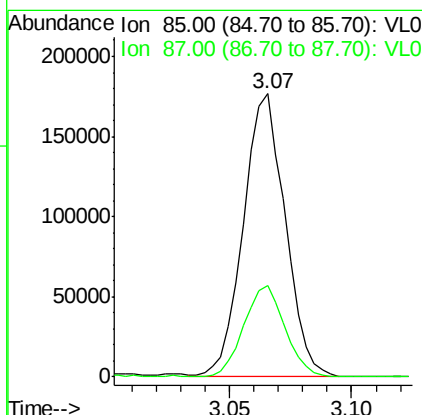
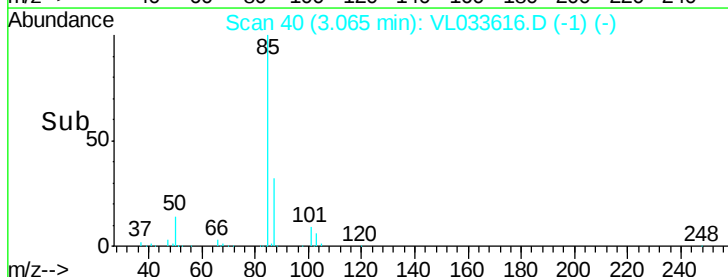
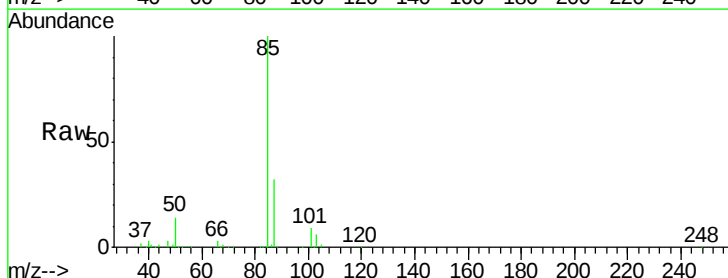
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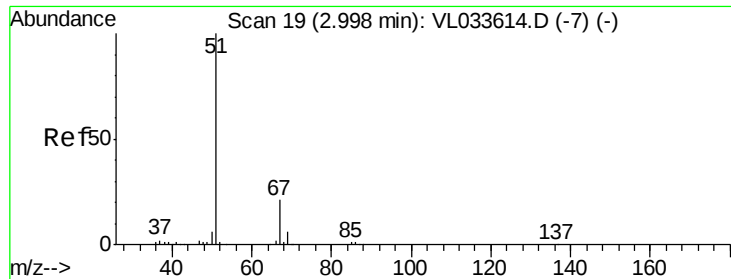


#2

Dichlorodifluoromethane
 Concen: 1.220 ppbv
 RT: 3.07 min Scan# 40
 Delta R.T. 0.01 min
 Lab File: VL033616.D
 Acq: 1 May 2019 13:13

Tgt Ion:	85	Resp:	209887
Ion	Ratio	Lower	Upper
85	100		
87	31.9	26.8	40.2





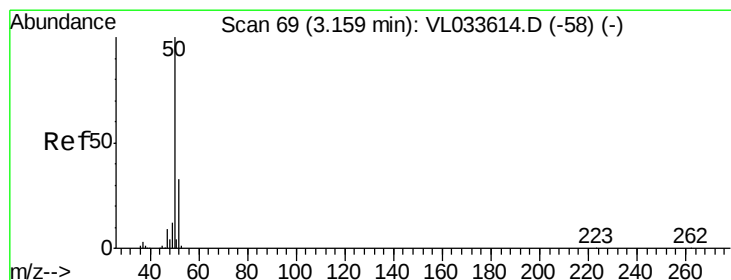
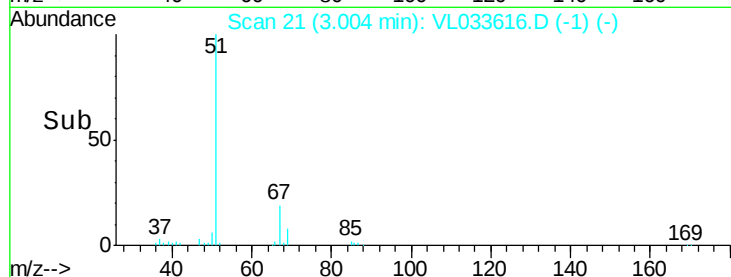
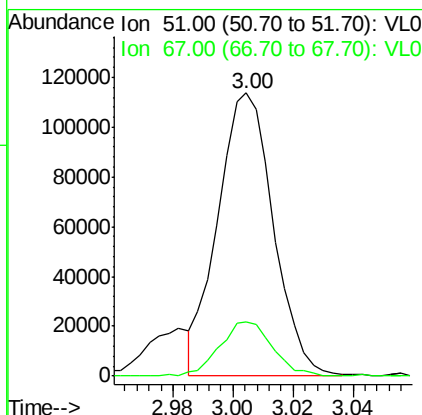
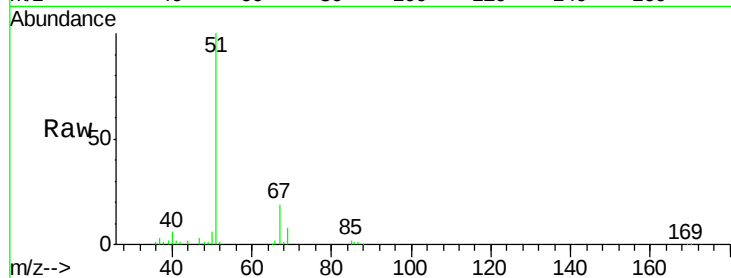
#3
Chlorodifluoromethane
Concen: 1.000 ppbv
RT: 3.00 min Scan# 21
Delta R.T. 0.01 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 51 Resp: 146089
Ion Ratio Lower Upper
51 100
67 18.5 15.6 23.4

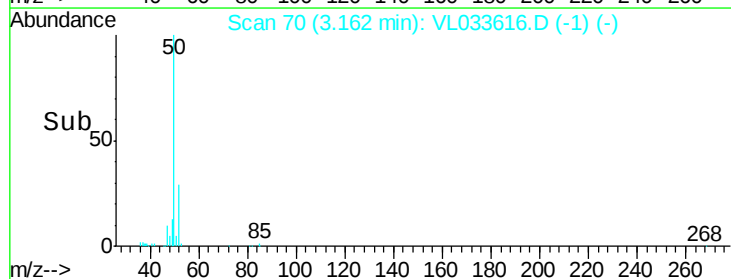
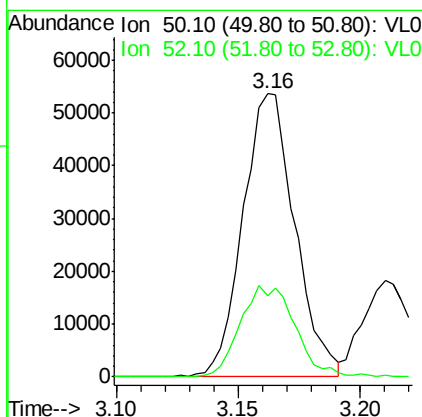
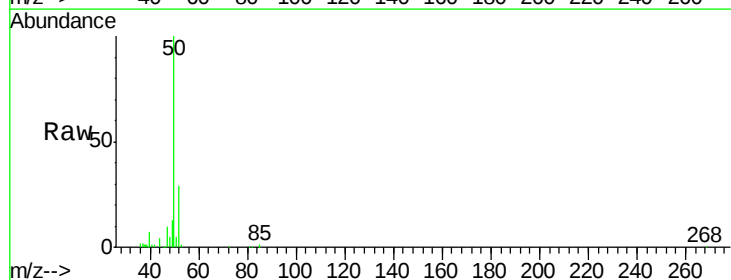
Manual Integrations
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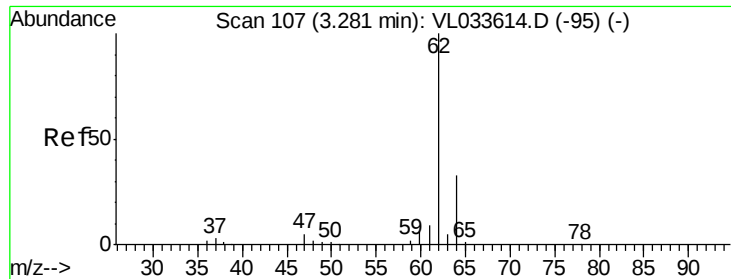
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#4
Chloromethane
Concen: 1.064 ppbv
RT: 3.16 min Scan# 70
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 50 Resp: 79071
Ion Ratio Lower Upper
50 100
52 29.7 26.0 39.0





#5

Vinyl Chloride

Concen: 0.975 ppbv

RT: 3.28 min Scan# 108

Delta R.T. 0.00 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 75987

Ion Ratio Lower Upper

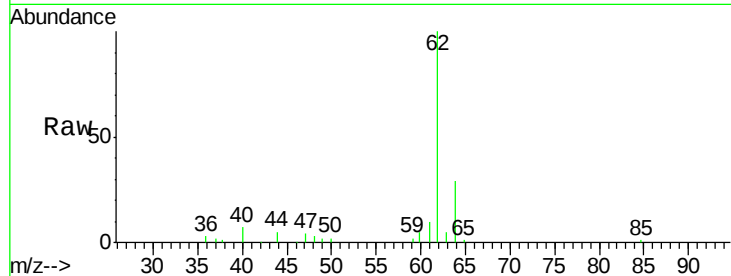
62 100

64 30.2 26.2 39.4

Manual Integrations
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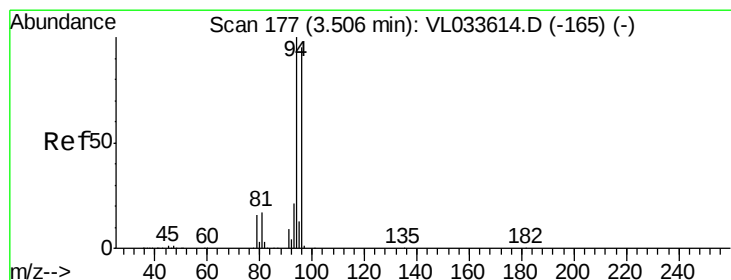
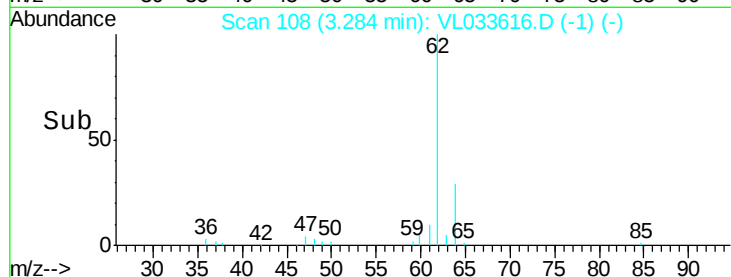
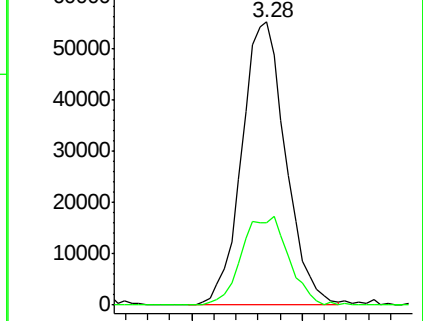
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 1.044 ppbv

RT: 3.51 min Scan# 177

Delta R.T. 0.00 min

Lab File: VL033616.D

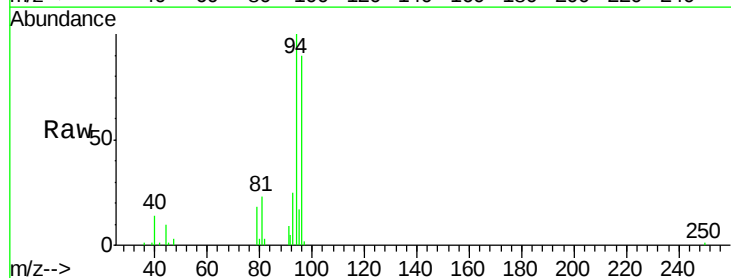
Acq: 1 May 2019 13:13

Tgt Ion: 94 Resp: 47893

Ion Ratio Lower Upper

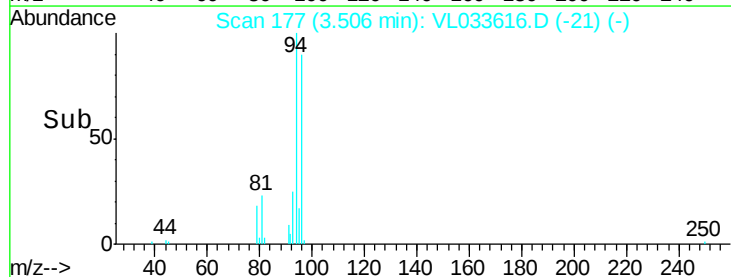
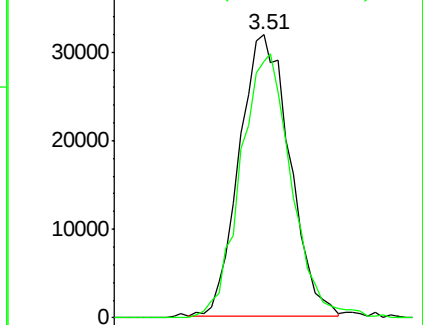
94 100

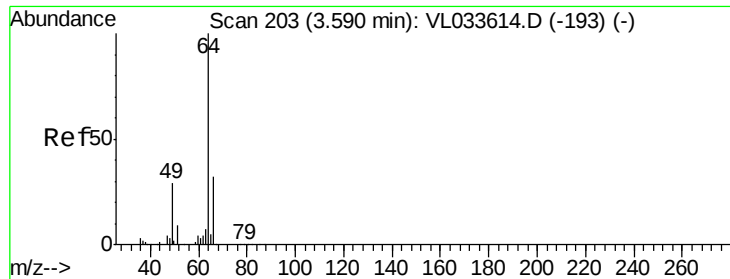
96 91.0 75.7 113.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.075 ppbv

RT: 3.59 min Scan# 204

Delta R.T. 0.00 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 27941

Ion Ratio Lower Upper

64 100

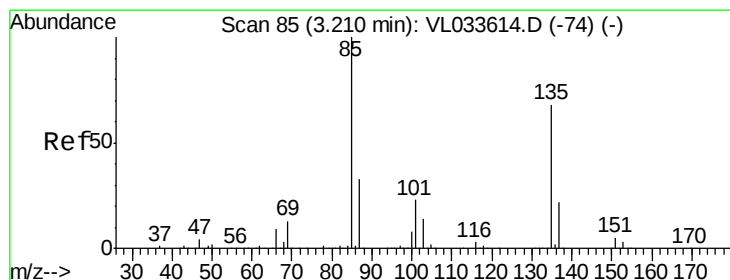
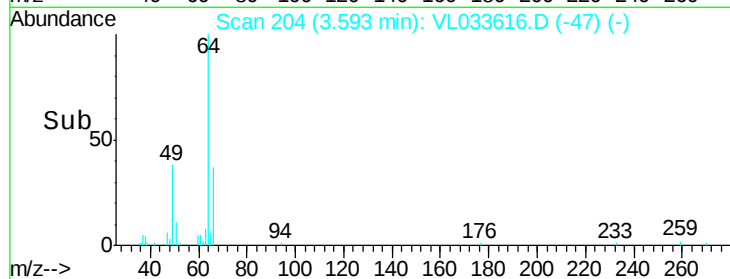
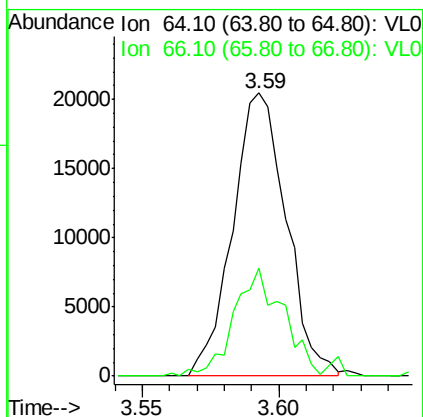
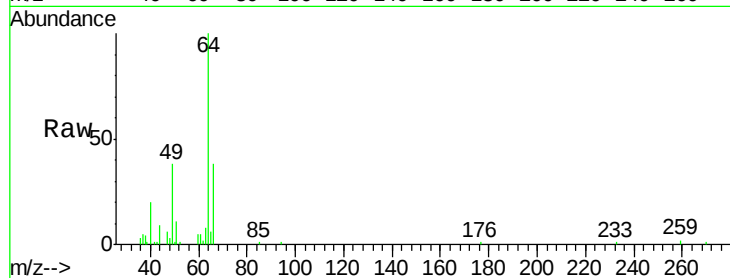
66 38.1 25.4 38.2

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#8

Dichlorotetrafluoroethane

Concen: 1.119 ppbv

RT: 3.21 min Scan# 85

Delta R.T. 0.00 min

Lab File: VL033616.D

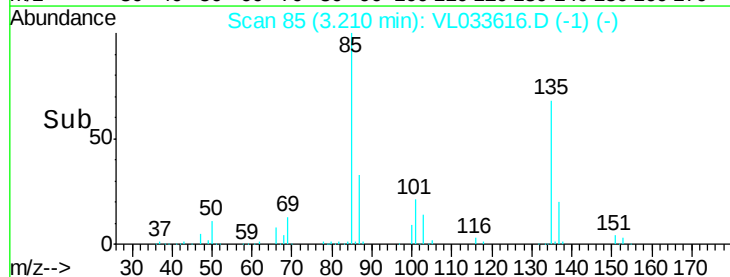
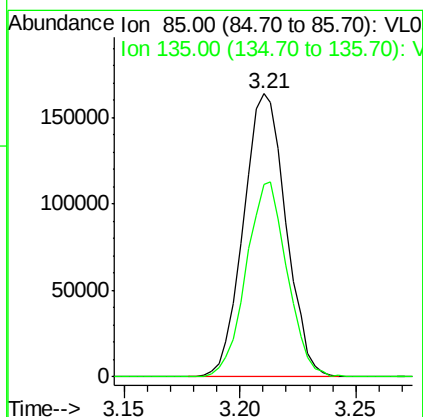
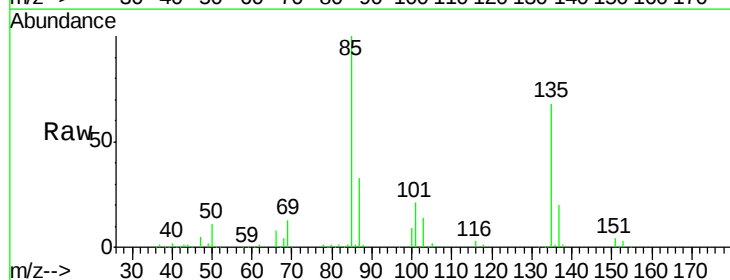
Acq: 1 May 2019 13:13

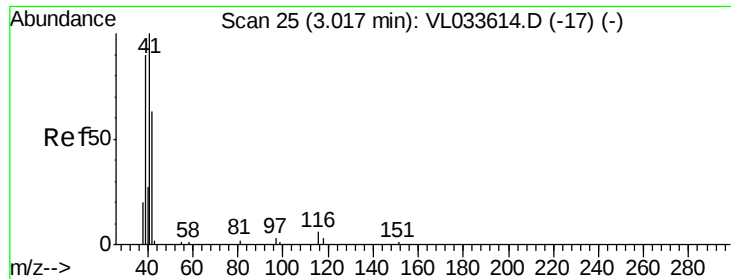
Tgt Ion: 85 Resp: 209298

Ion Ratio Lower Upper

85 100

135 66.4 55.0 82.6





#9

Propene

Concen: 1.486 ppbv

RT: 3.02 min Scan# 27

Delta R.T. 0.01 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 58061

Ion Ratio Lower Upper

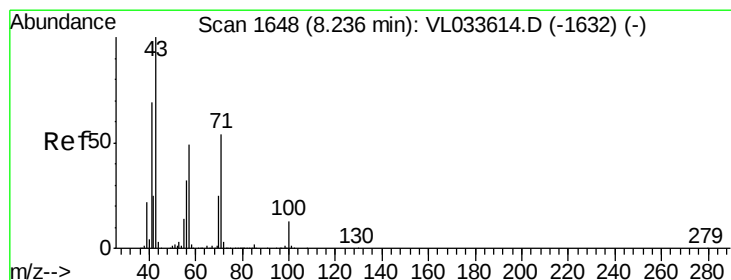
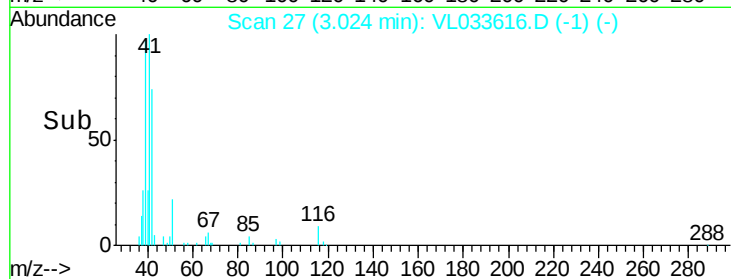
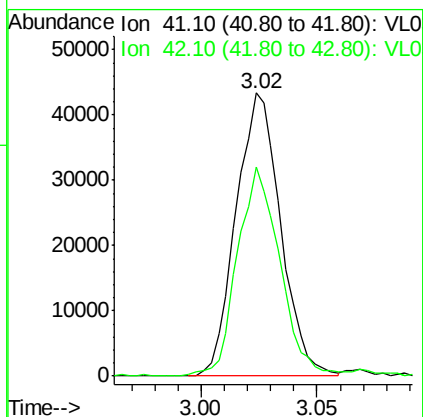
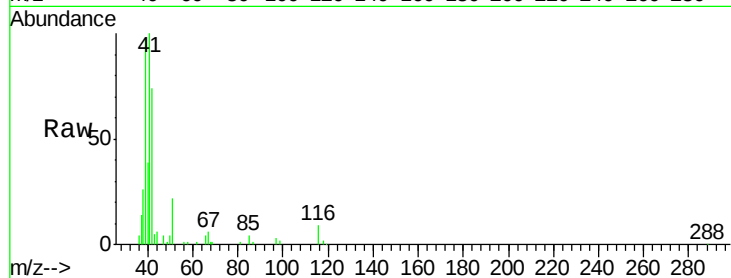
41 100

42 71.7 66.0 99.0

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#10

Heptane

Concen: 0.998 ppbv

RT: 8.24 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VL033616.D

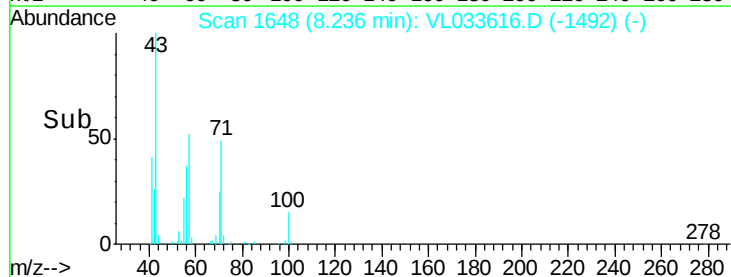
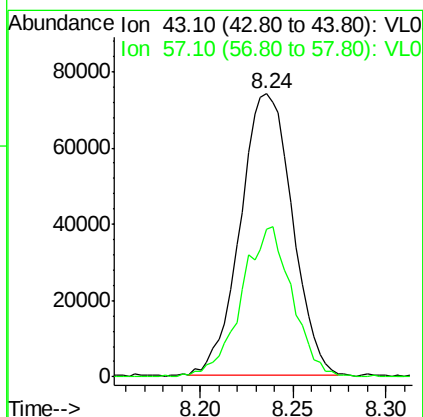
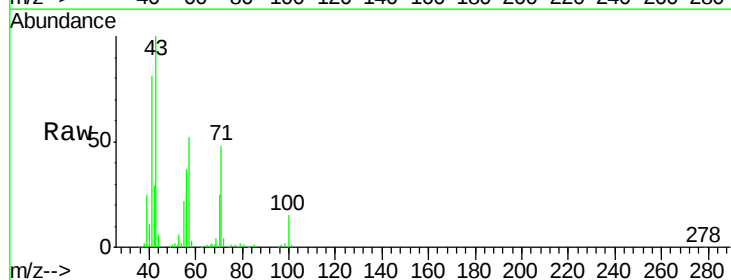
Acq: 1 May 2019 13:13

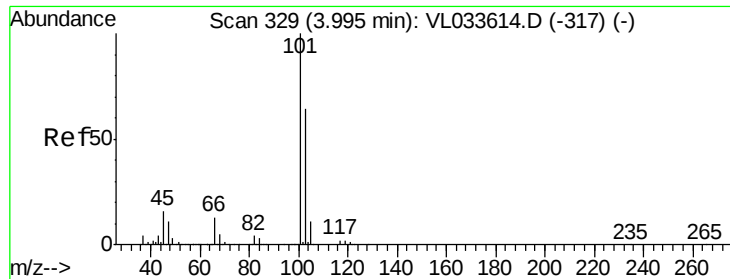
Tgt Ion: 43 Resp: 144199

Ion Ratio Lower Upper

43 100

57 51.8 40.3 60.5





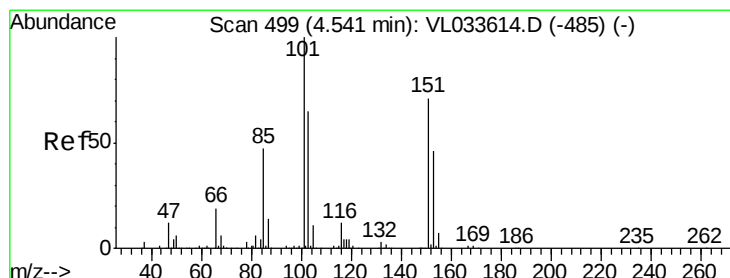
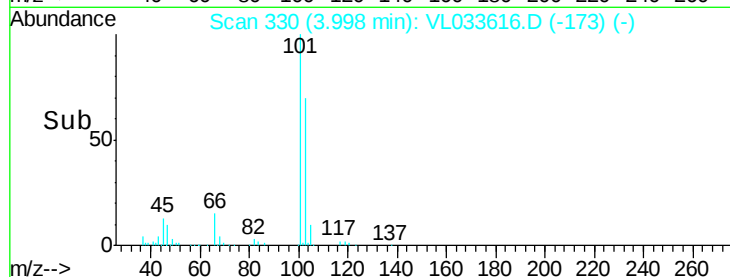
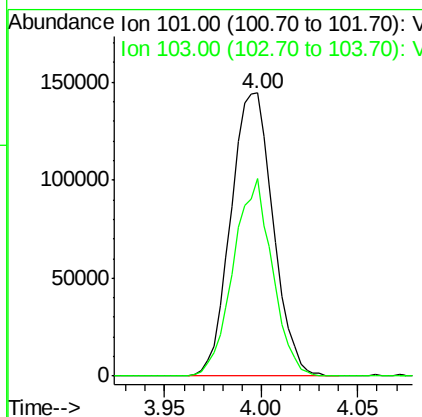
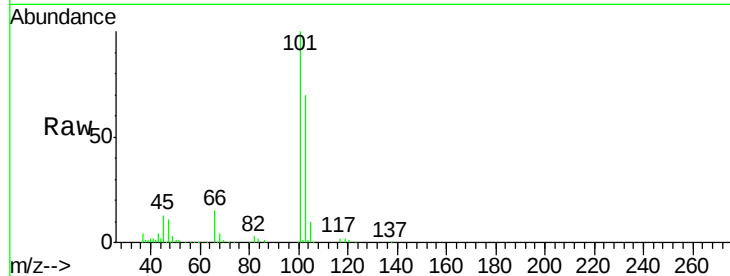
#11
 Trichlorofluoromethane
 Concen: 1.075 ppbv
 RT: 4.00 min Scan# 330
 Delta R.T. 0.00 min
 Lab File: VL033616.D
 Acq: 1 May 2019 13:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.8	51.2	76.8

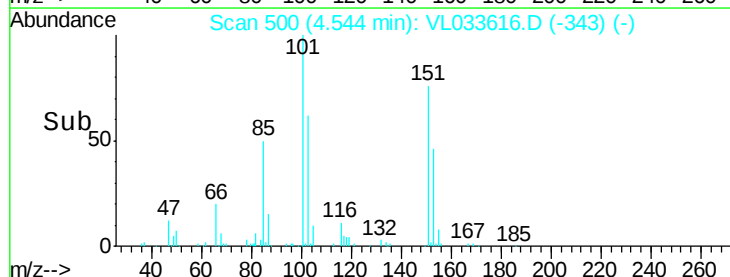
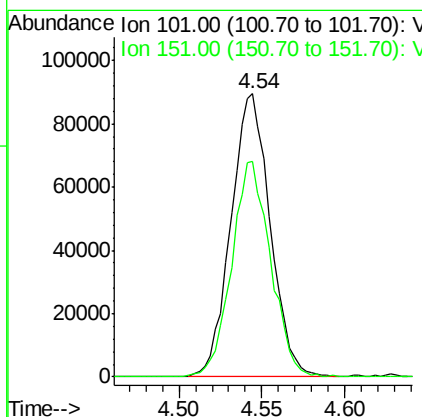
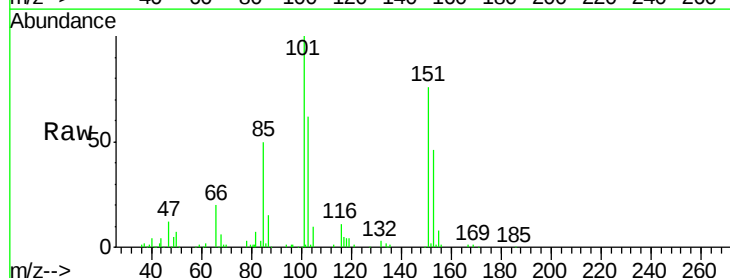
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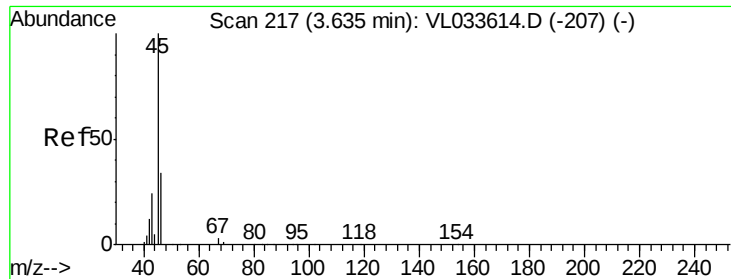
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.049 ppbv
 RT: 4.54 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VL033616.D
 Acq: 1 May 2019 13:13

Tgt Ion	Ratio	Lower	Upper
101	100		
151	75.5	59.2	88.8





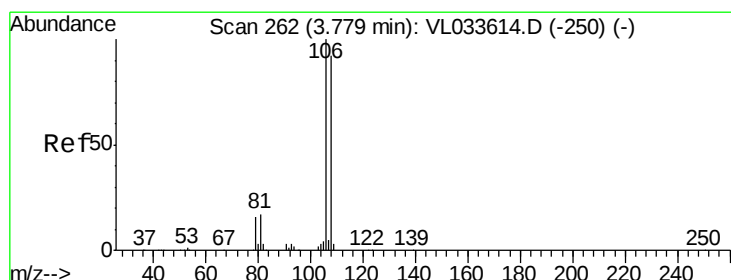
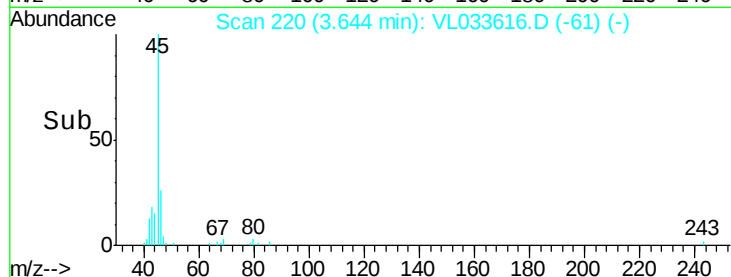
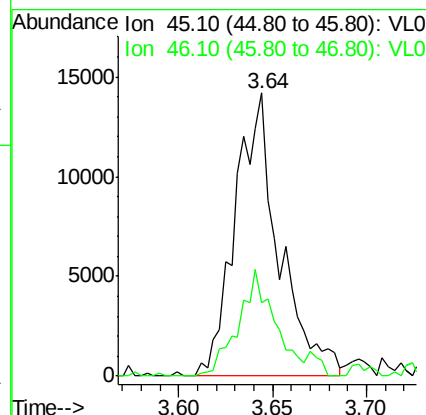
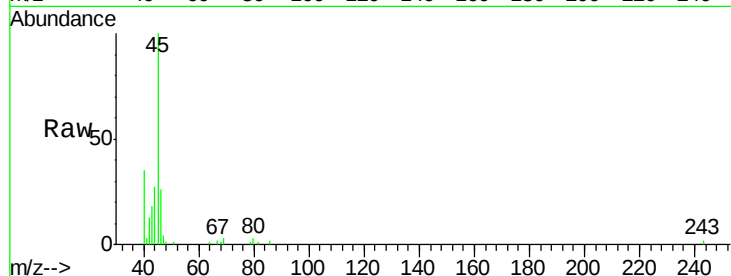
#13
Ethanol
Concen: 1.305 ppbv m
RT: 3.64 min Scan# 220
Delta R.T. 0.01 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.6	58.2#

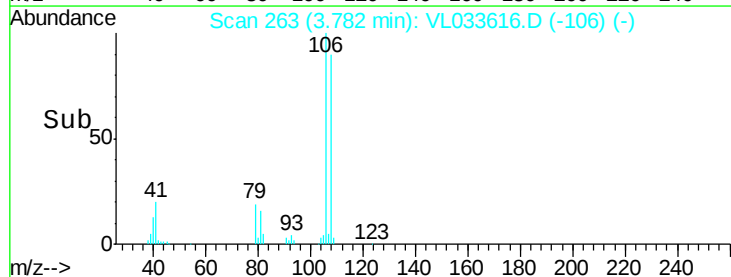
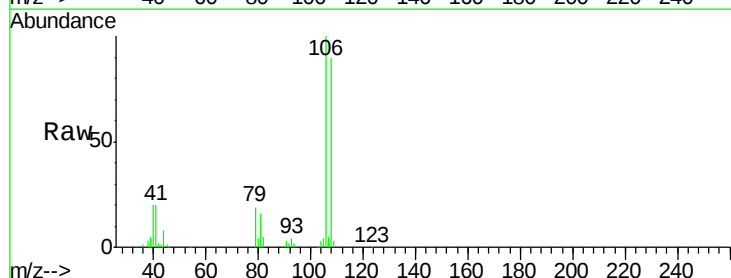
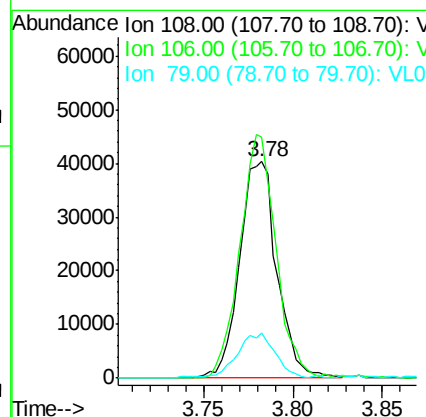
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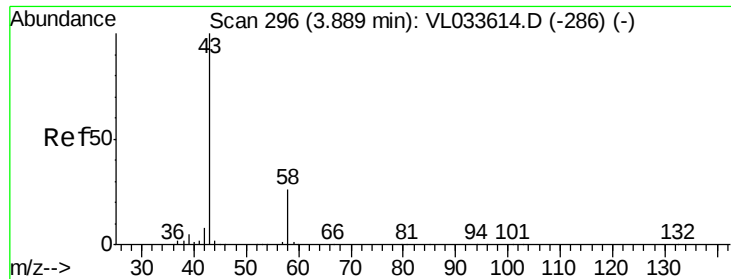
MMDadoda
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#14
Bromoethene
Concen: 1.021 ppbv
RT: 3.78 min Scan# 263
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion	Ratio	Lower	Upper
108	100		
106	109.5	84.6	127.0
79	21.6	14.4	21.6#





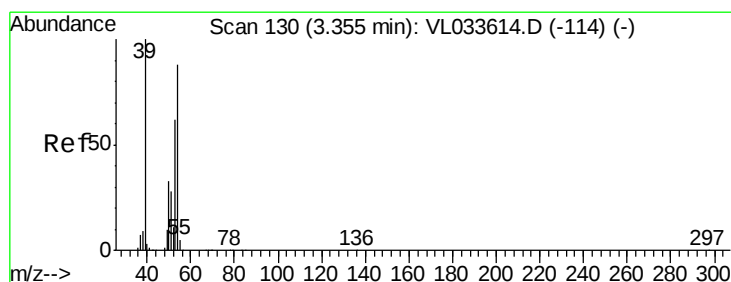
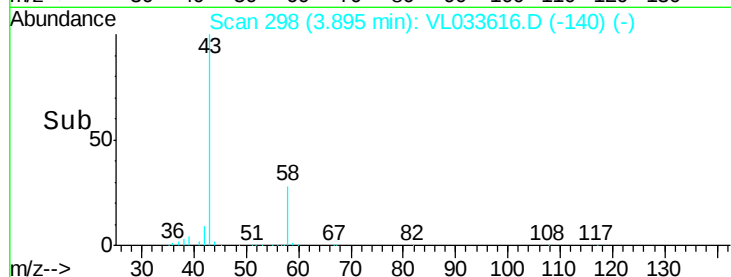
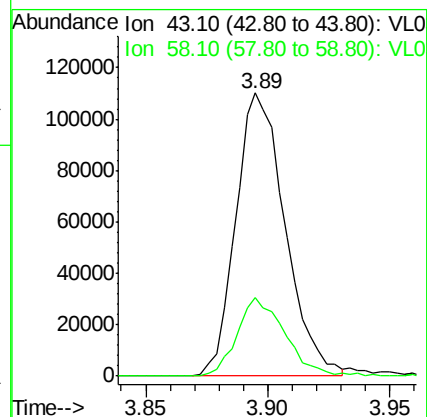
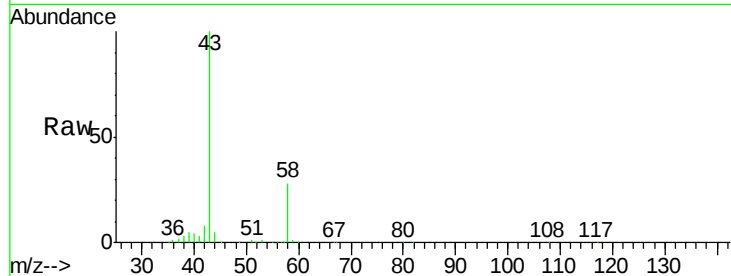
#15
Acetone
Concen: 1.103 ppbv
RT: 3.89 min Scan# 298
Delta R.T. 0.01 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 153310
Ion Ratio Lower Upper
43 100
58 27.2 21.2 31.8

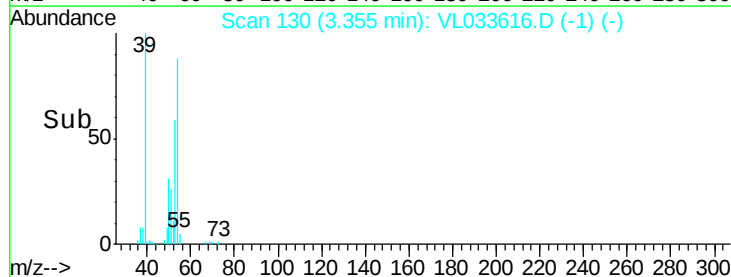
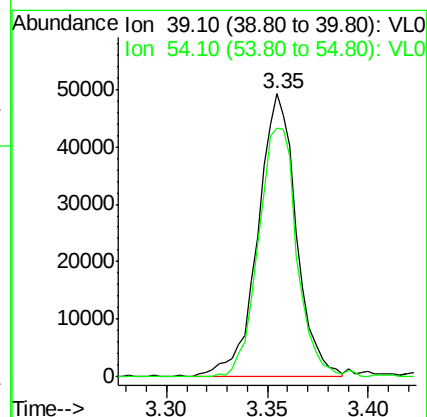
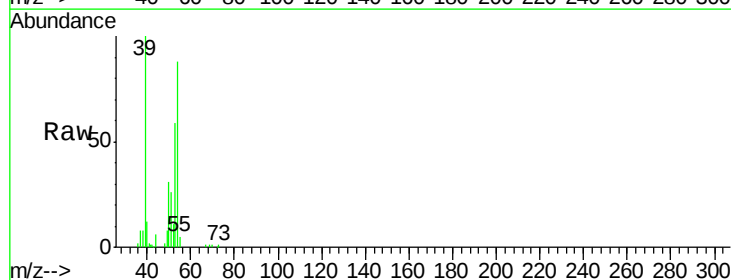
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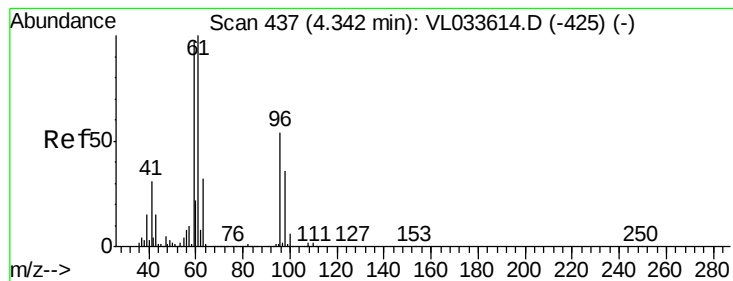
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#16
1,3-Butadiene
Concen: 1.051 ppbv
RT: 3.35 min Scan# 130
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 39 Resp: 65700
Ion Ratio Lower Upper
39 100
54 88.7 68.4 102.6





#17

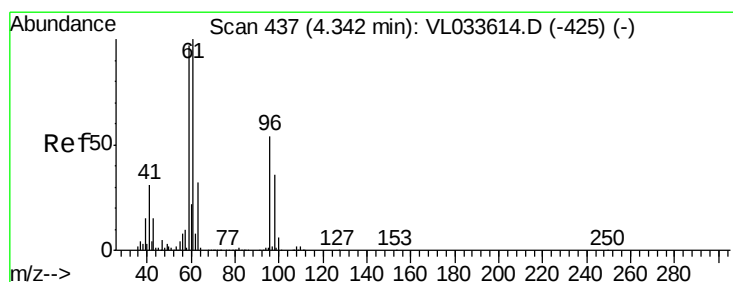
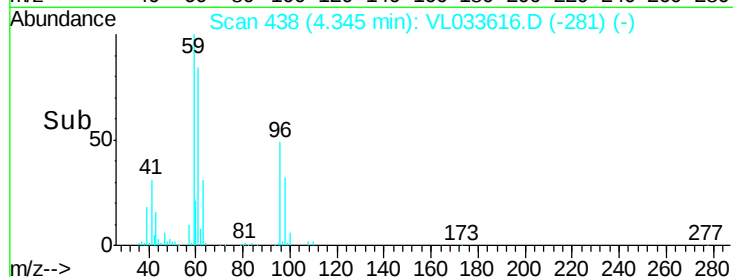
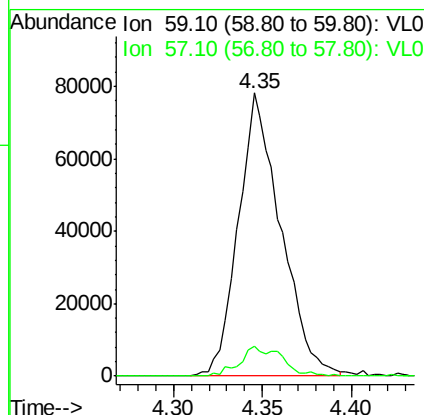
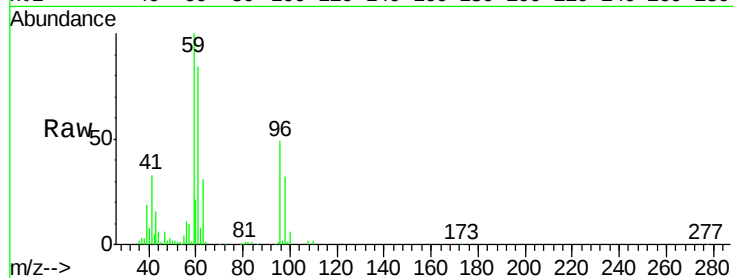
tert-Butyl alcohol
Concen: 1.079 ppbv
RT: 4.35 min Scan# 438
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	59	Resp	129382
Ion Ratio	59	100	
Lower	57	10.5	8.4
Upper			12.6

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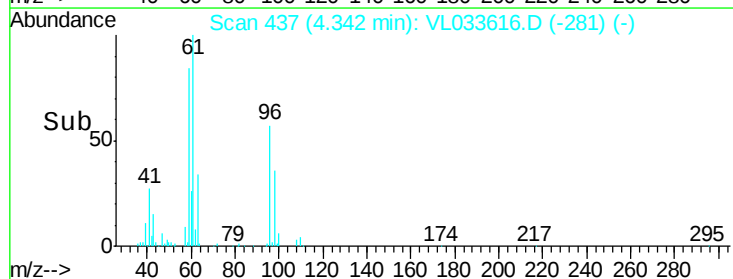
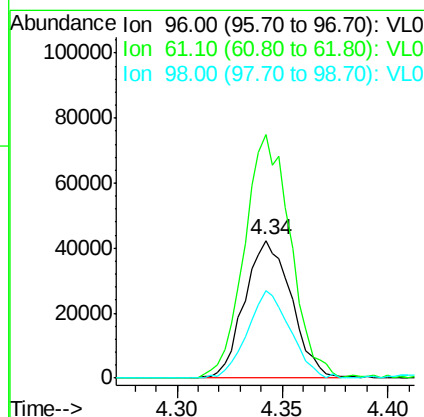
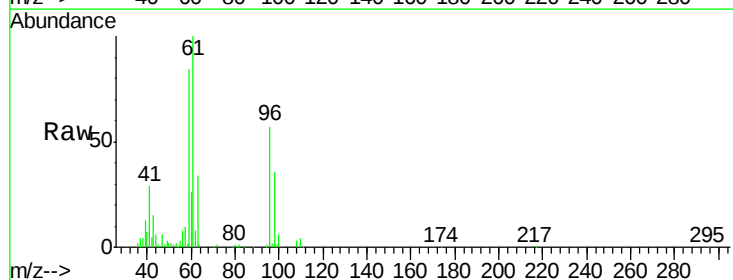
MMDadoda
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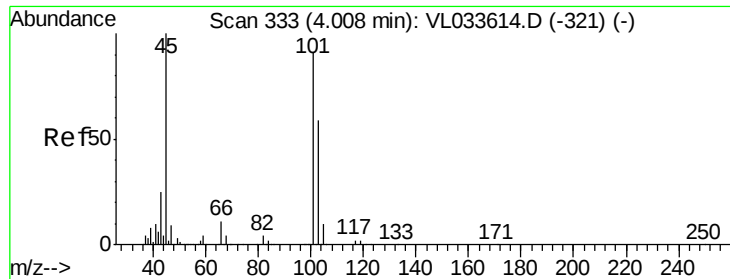


#18

1,1-Dichloroethene
Concen: 1.072 ppbv
RT: 4.34 min Scan# 437
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion	96	Resp	65283
Ion Ratio	96	100	
Lower	61	176.8	147.3
Upper	98	63.5	53.6
			80.4





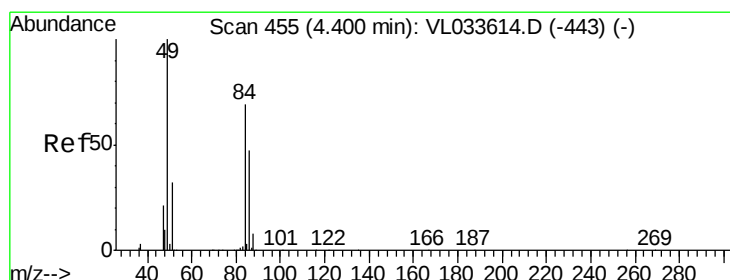
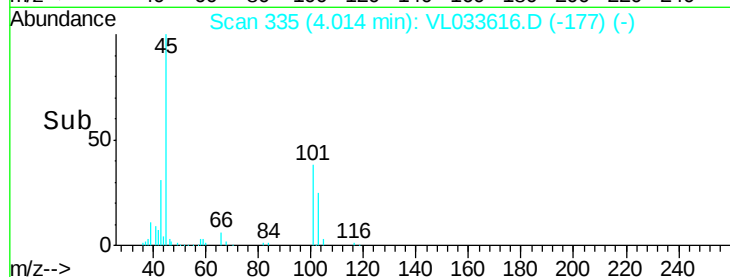
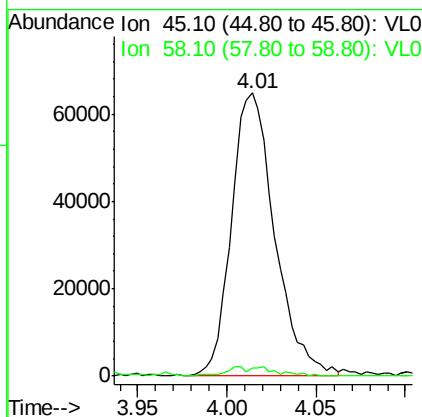
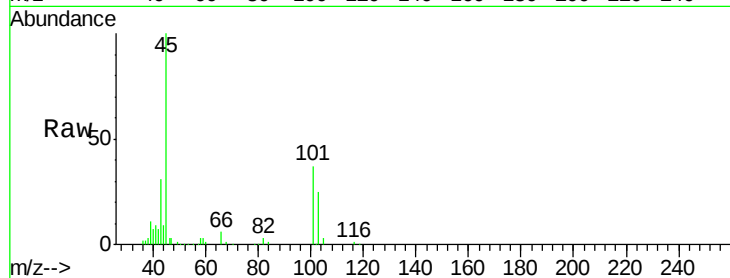
#19
Isopropyl Alcohol
Concen: 1.151 ppbv
RT: 4.01 min Scan# 335
Delta R.T. 0.01 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 45 Resp: 109746
Ion Ratio Lower Upper
45 100
58 3.6 1.8 2.6#

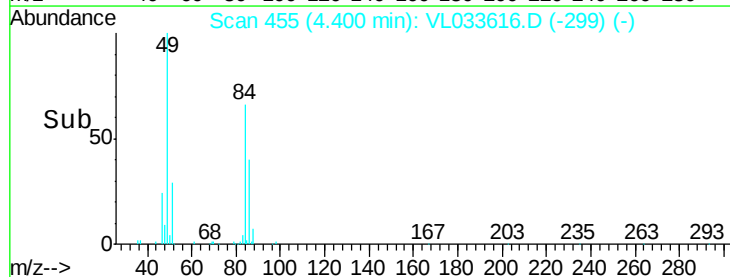
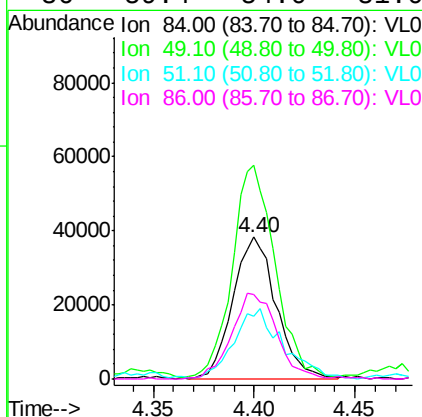
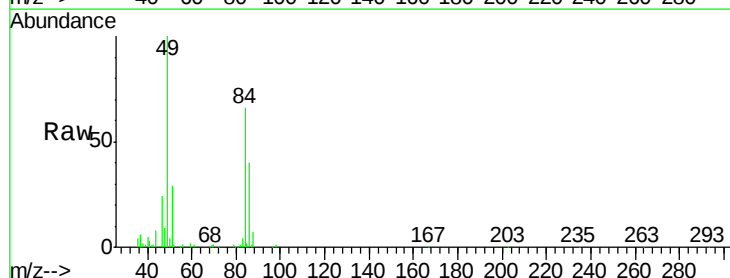
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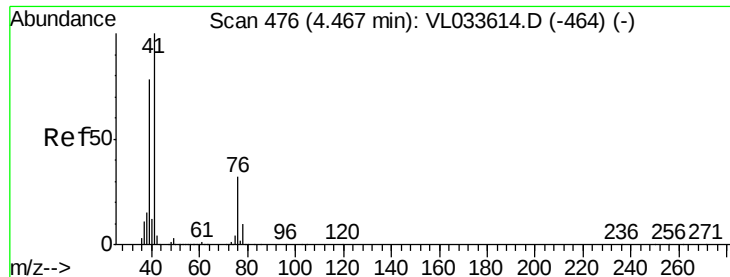
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#20
Methylene Chloride
Concen: 1.072 ppbv
RT: 4.40 min Scan# 455
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 84 Resp: 58020
Ion Ratio Lower Upper
84 100
49 148.8 116.2 174.2
51 43.0 37.0 55.6
86 59.4 54.0 81.0





#21

Allvl Chloride

Concen: 1.017 ppbv

RT: 4.47 min Scan# 477

Delta R.T. 0.00 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Instrument :

MSVOA_L

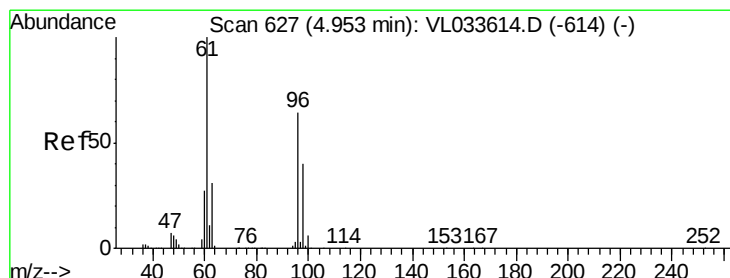
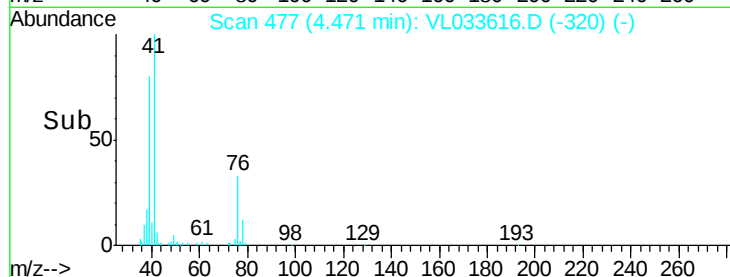
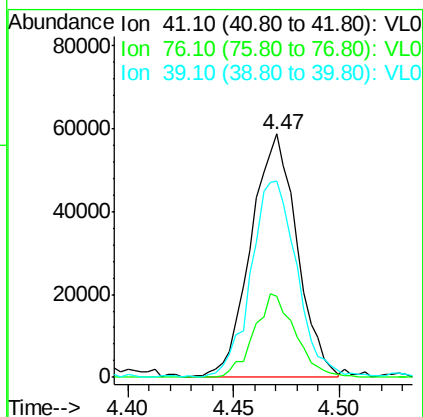
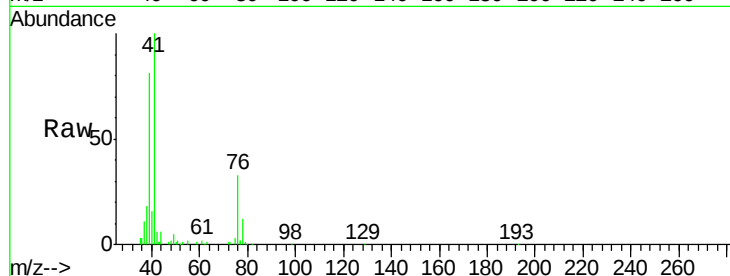
ClientSampleId :

VSTDIC001

Tot Ion:	41	Resp:	88874
Ion Ratio	Lower	Upper	
41	100		
76	31.1	25.0	37.6
39	81.6	64.6	96.8

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#22

trans-1,2-Dichloroethene

Concen: 1.053 ppbv

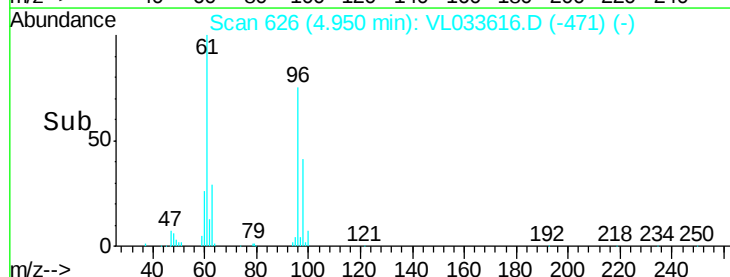
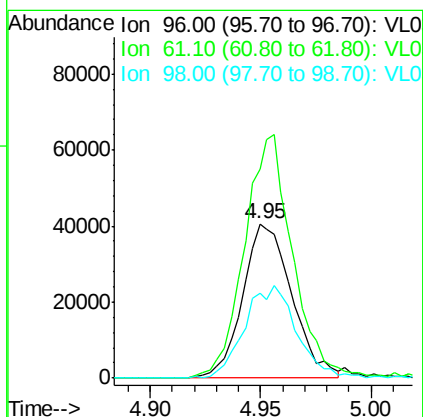
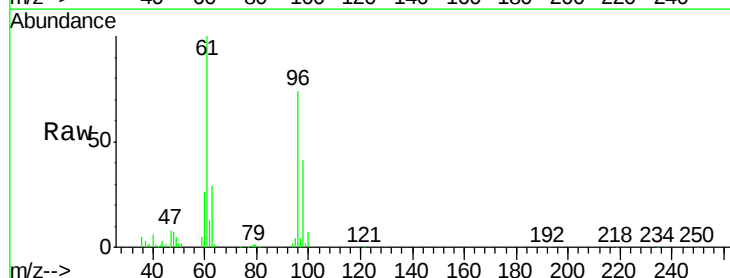
RT: 4.95 min Scan# 626

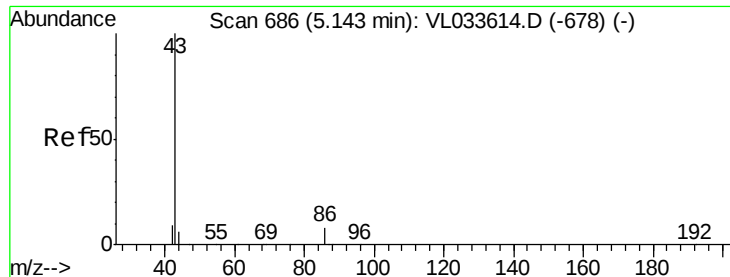
Delta R.T. -0.00 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Tgt Ion:	96	Resp:	62826
Ion Ratio	Lower	Upper	
96	100		
61	135.0	124.9	187.3
98	55.1	50.5	75.7





#23

Vinyl Acetate

Concen: 0.992 ppbv

RT: 5.14 min Scan# 686

Delta R.T. 0.00 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Instrument :

MSVOA_L

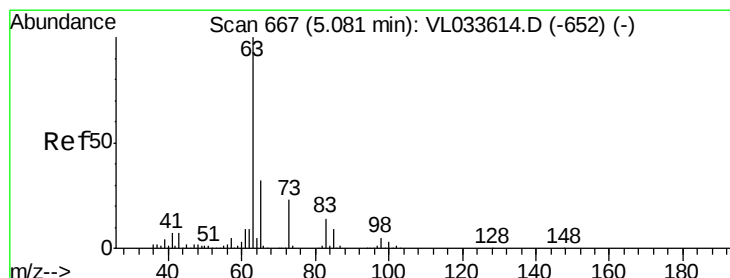
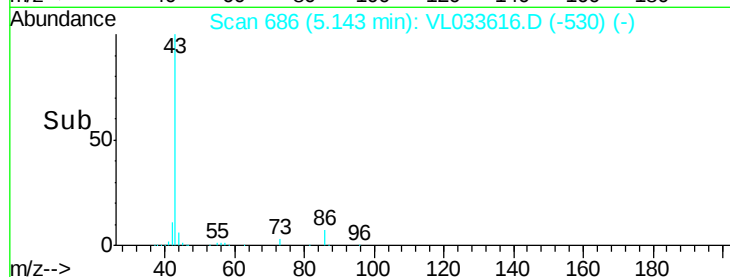
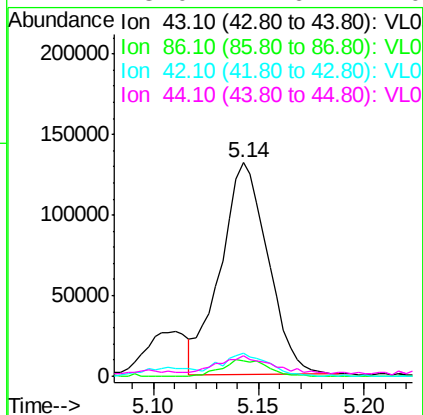
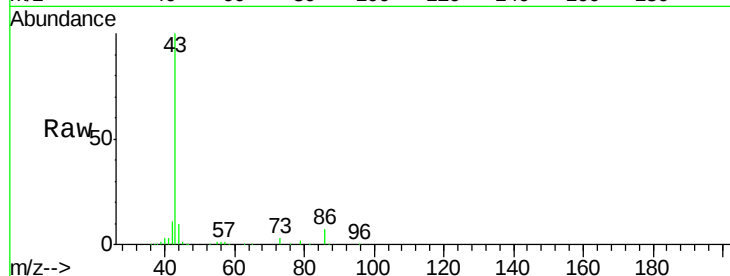
ClientSampleId :

VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		205041		
86	7.4		5.8	8.8	
42	10.5		7.8	11.8	
44	8.0		4.6	7.0	

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#24

1,1-Dichloroethane

Concen: 1.045 ppbv

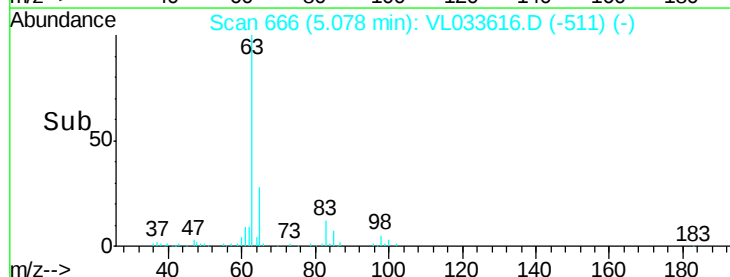
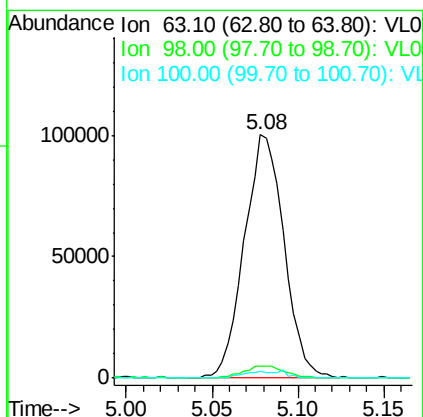
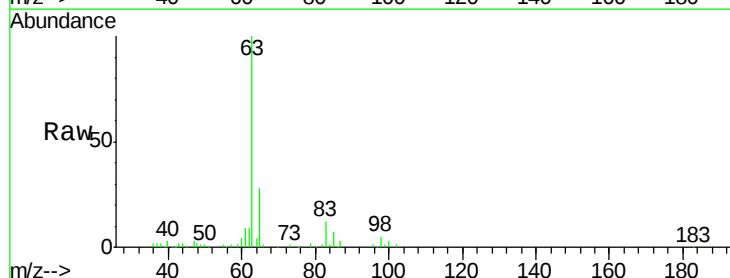
RT: 5.08 min Scan# 666

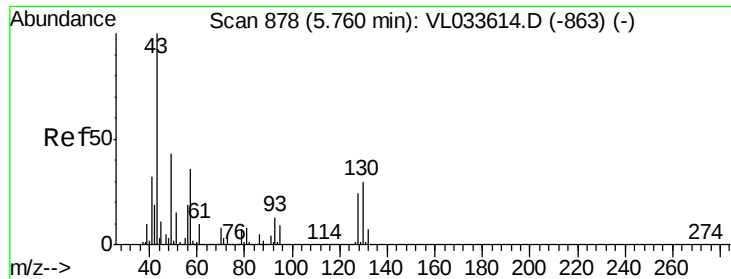
Delta R.T. -0.00 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		160784		
98	4.6		2.4	7.2	
100	2.7		1.4	4.0	





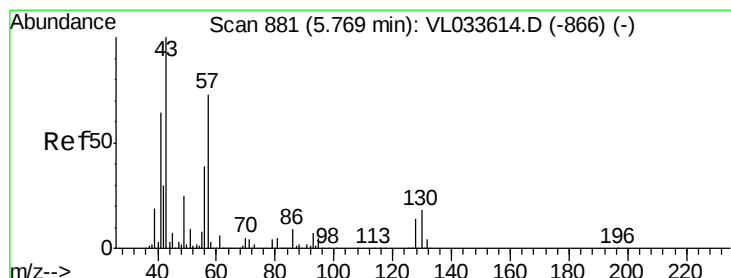
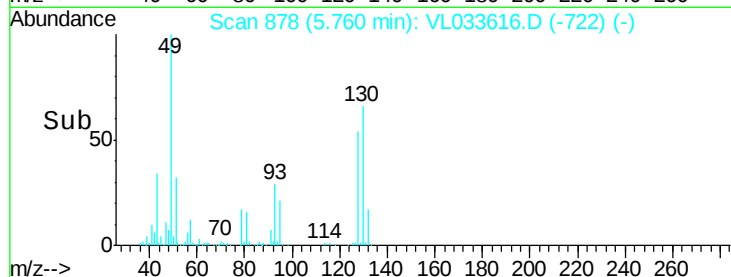
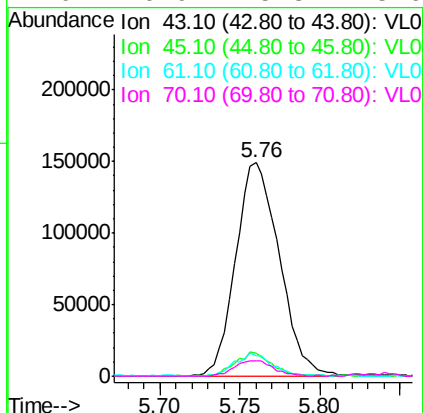
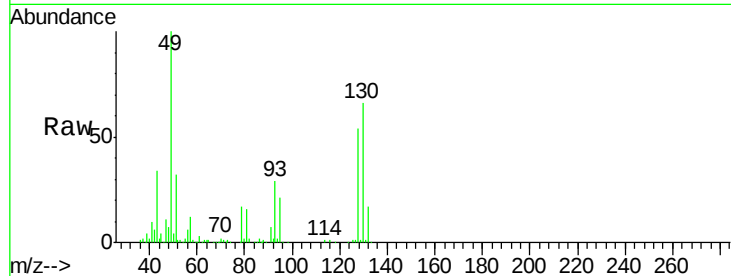
#25
Ethyl Acetate
Concen: 1.051 ppbv
RT: 5.76 min Scan# 878
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		277231		
45	9.9	8.1	12.1		
61	9.5	7.5	11.3		
70	6.9	5.8	8.6		

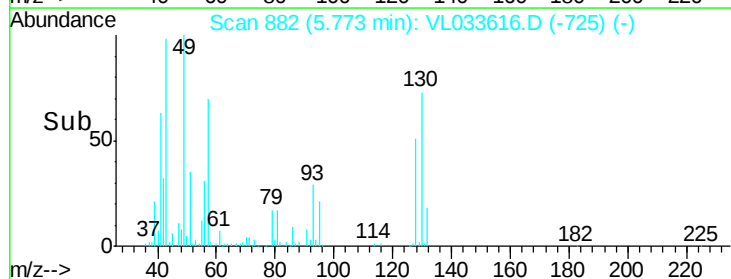
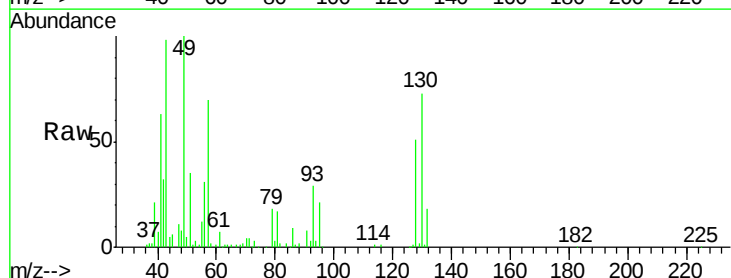
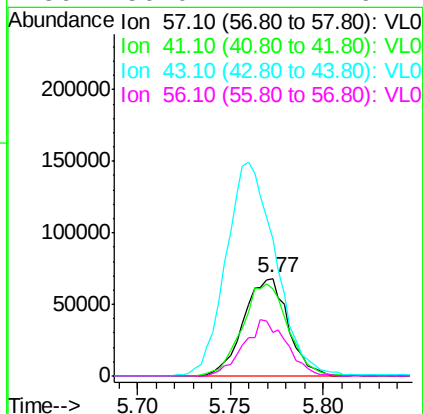
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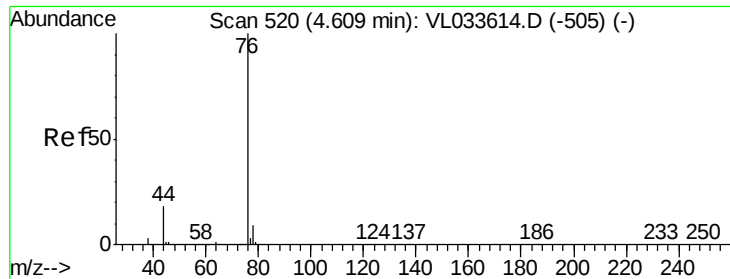
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#26
Hexane
Concen: 1.024 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100		113667		
41	99.0	70.6	106.0		
43	244.6	186.0	279.0		
56	56.0	42.7	64.1		





#27

Carbon Disulfide

Concen: 0.968 ppbv

RT: 4.62 min Scan# 522

Delta R.T. 0.01 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Instrument :

MSVOA_L

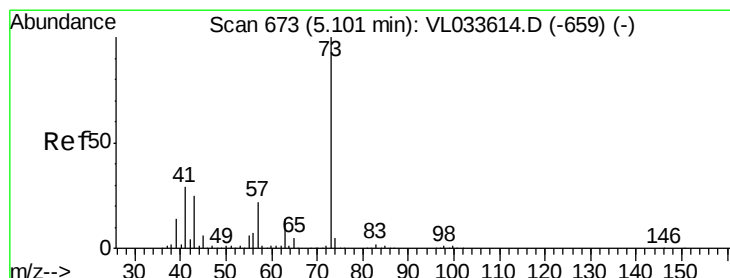
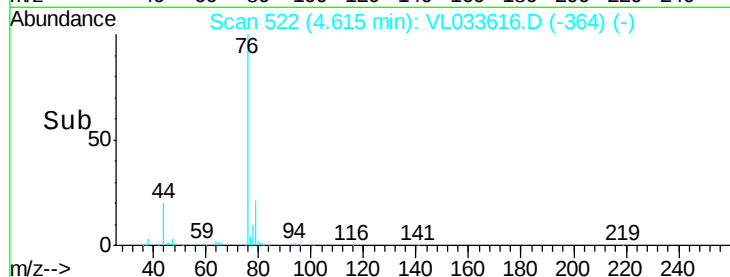
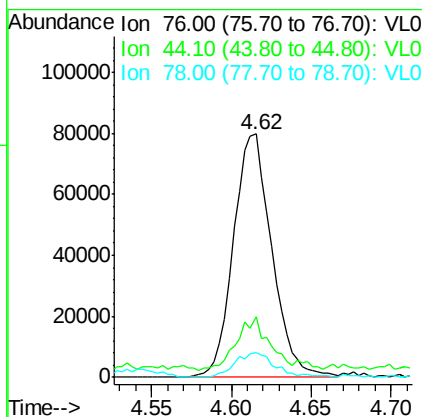
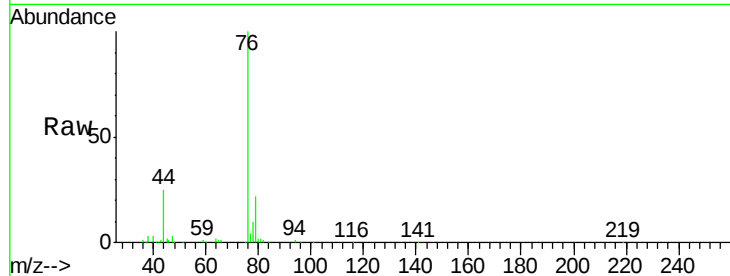
ClientSampleId :

VSTDIC001

Tot Ion:	76	Resp:	130182
Ion Ratio	Lower	Upper	
76	100		
44	23.2	14.3	21.5#
78	10.7	7.5	11.3

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#28

Methyl tert-Butyl Ether

Concen: 1.016 ppbv

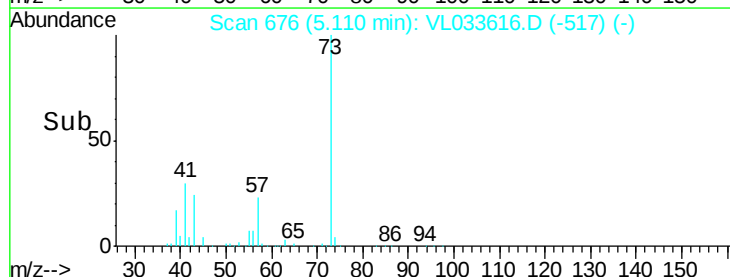
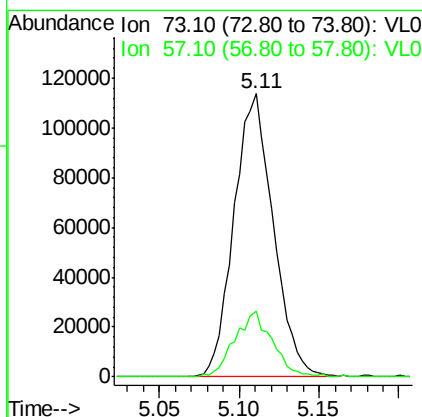
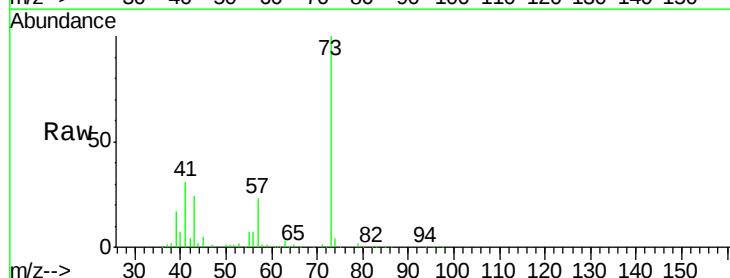
RT: 5.11 min Scan# 676

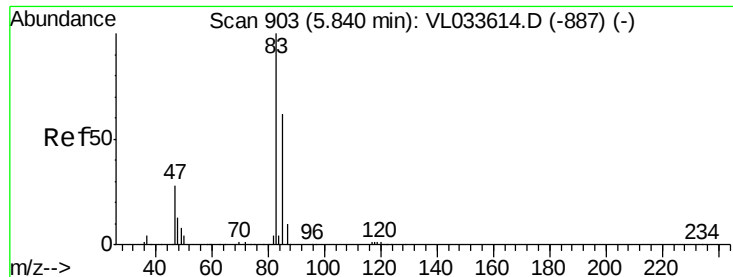
Delta R.T. 0.01 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Tgt Ion:	73	Resp:	190299
Ion Ratio	Lower	Upper	
73	100		
57	22.2	17.8	26.8





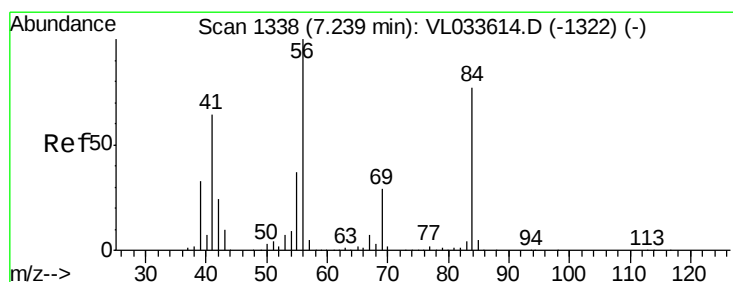
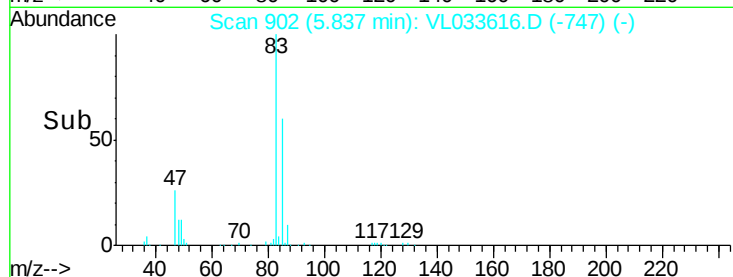
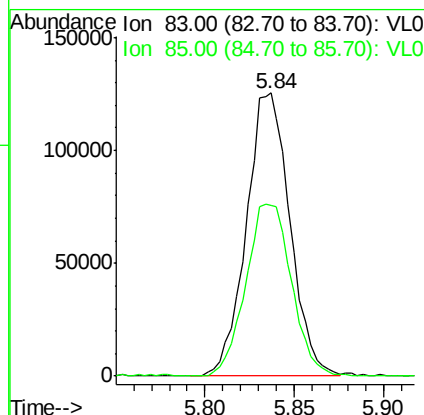
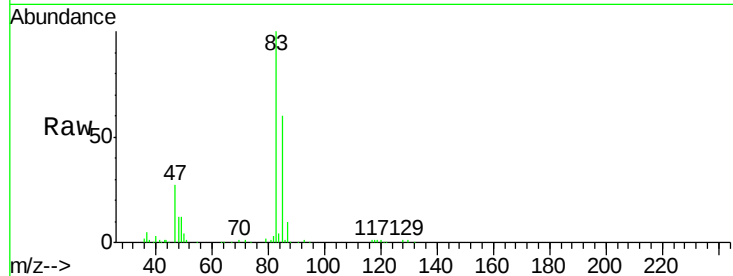
#29
Chloroform
Concen: 1.053 ppbv
RT: 5.84 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	214370
Ion Ratio	100	Lower	Upper
83	100		
85	60.2	49.9	74.9

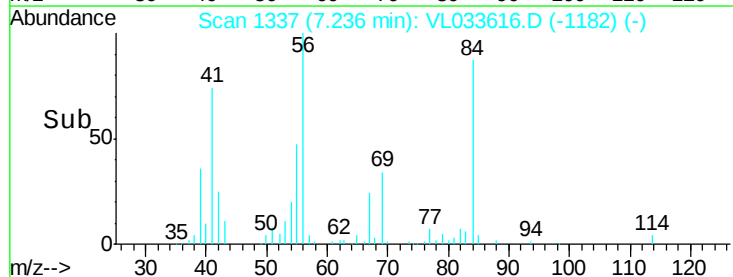
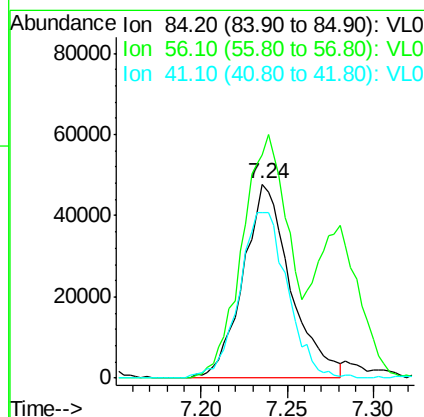
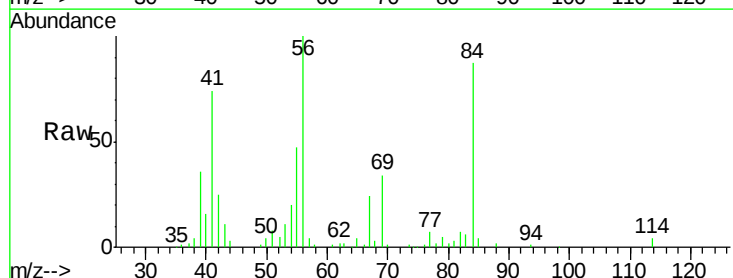
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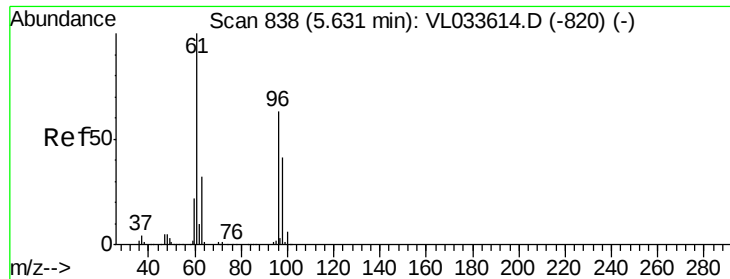
MMDadoda
5/4/2019 7:17:24 AM



#30
Cyclohexane
Concen: 0.949 ppbv
RT: 7.24 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion	84	Resp	91385
Ion Ratio	100	Lower	Upper
84	100		
56	130.7	108.4	162.6
41	86.9	67.0	100.4





#31

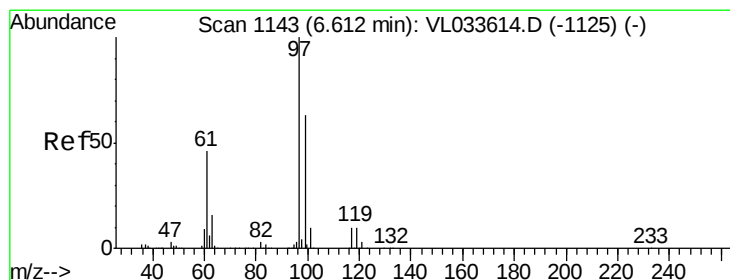
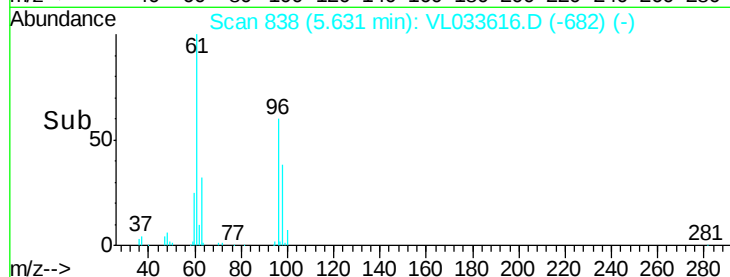
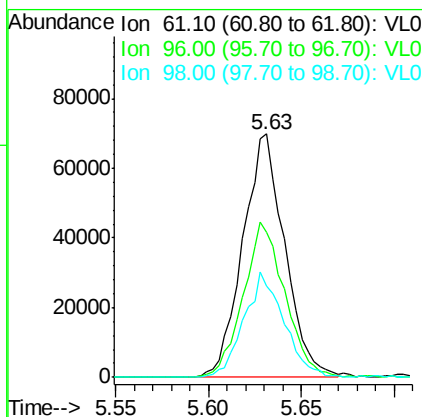
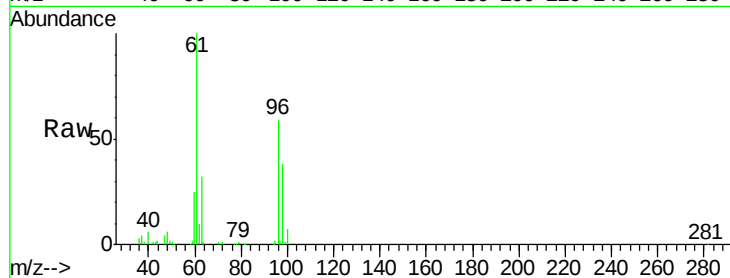
cis-1,2-Dichloroethene
 Concen: 0.979 ppbv
 RT: 5.63 min Scan# 838
 Delta R.T. 0.00 min
 Lab File: VL033616.D
 Acq: 1 May 2019 13:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
61	100		
96	59.3	50.6	76.0
98	38.3	32.8	49.2

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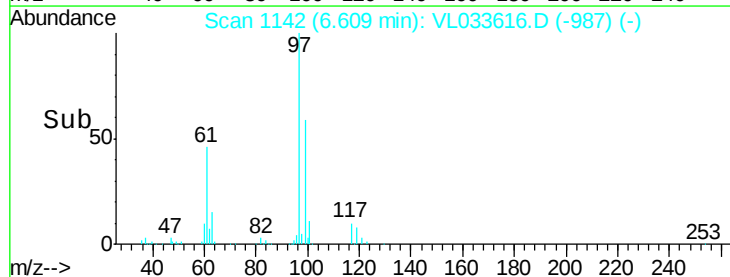
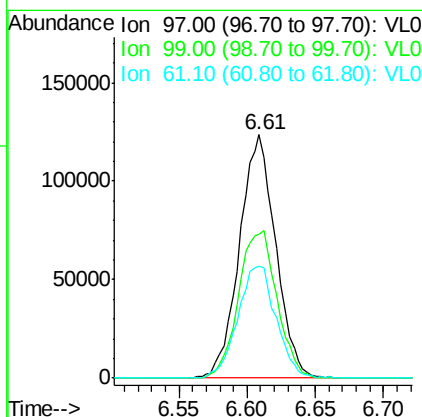
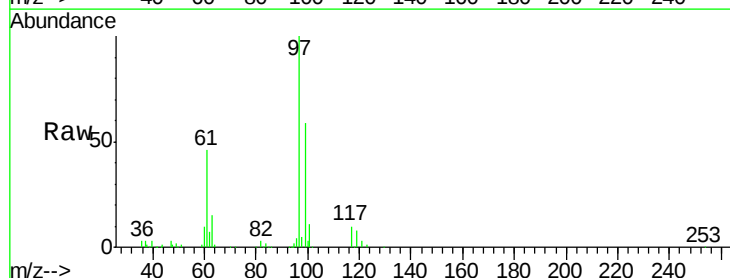
MMDadoda
 5/4/2019 7:17:24 AM

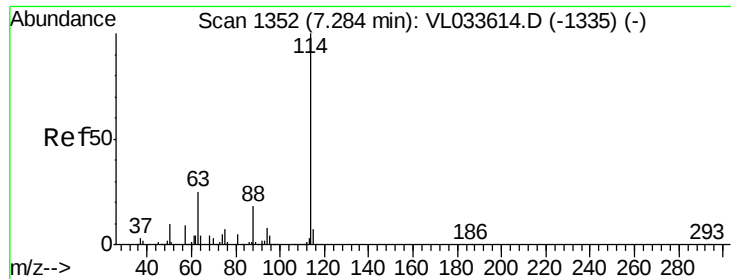


#32

1,1,1-Trichloroethane
 Concen: 1.068 ppbv
 RT: 6.61 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VL033616.D
 Acq: 1 May 2019 13:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.9	77.9
61	49.0	38.2	57.2





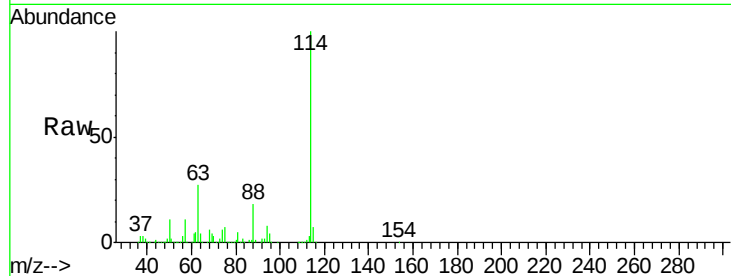
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1351
 Delta R.T. -0.00 min
 Lab File: VL033616.D
 Acq: 1 May 2019 13:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

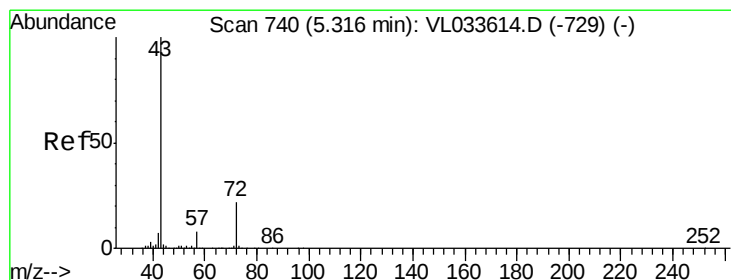
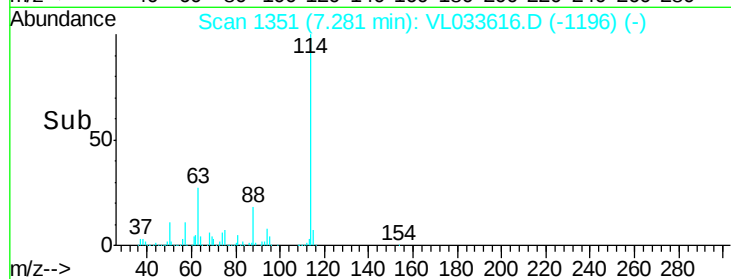
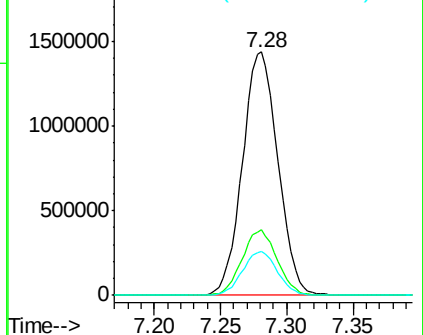
Tot Ion	Ratio	Lower	Upper
114	100		
63	26.7	21.1	31.7
88	17.8	14.2	21.4

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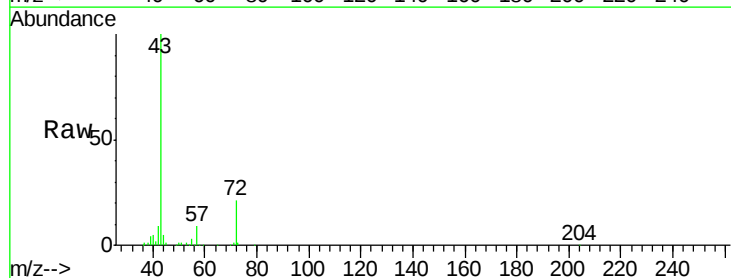


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

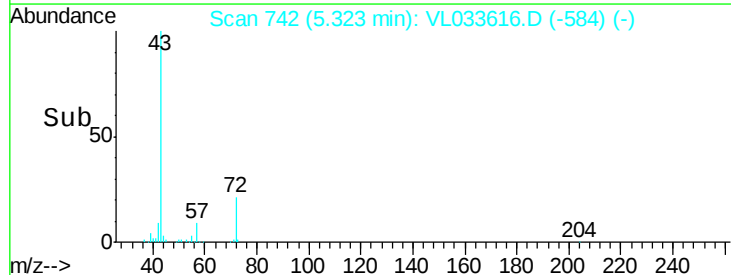
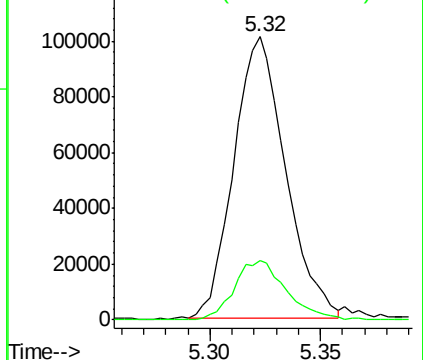


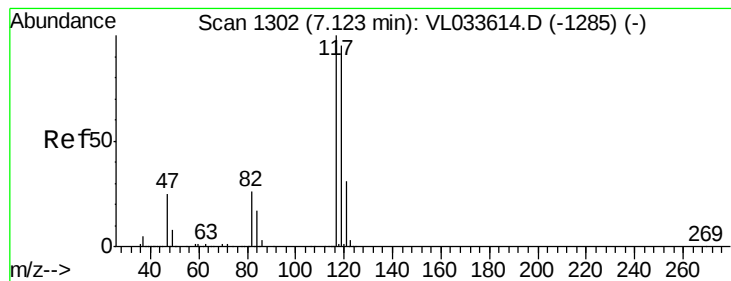
#34
 2-Butanone
 Concen: 1.007 ppbv
 RT: 5.32 min Scan# 742
 Delta R.T. 0.01 min
 Lab File: VL033616.D
 Acq: 1 May 2019 13:13

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.2	17.8	26.8



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





#35

Carbon Tetrachloride

Concen: 1.031 ppbv

RT: 7.12 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Instrument :

MSVOA_L

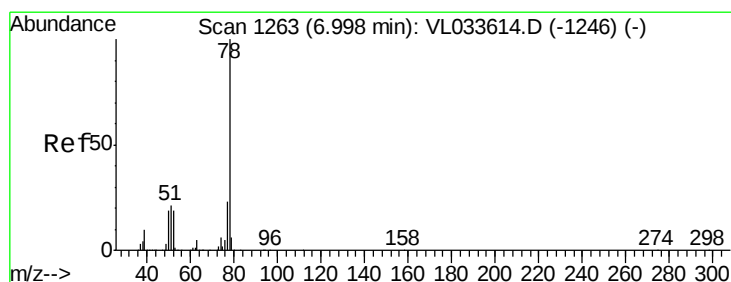
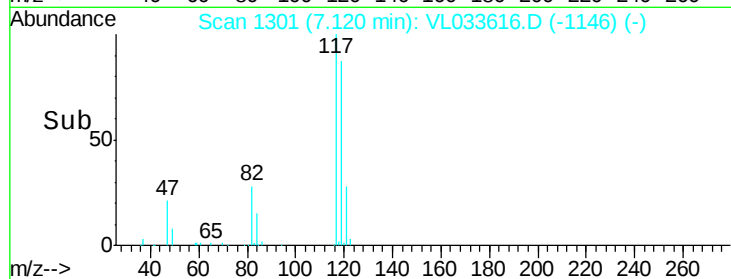
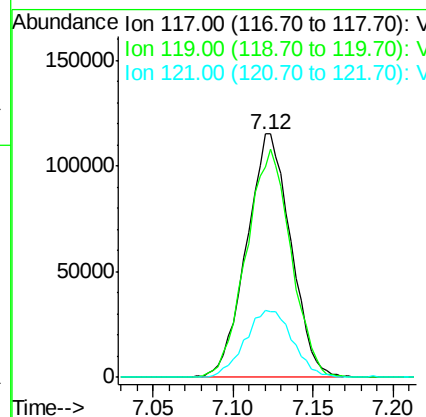
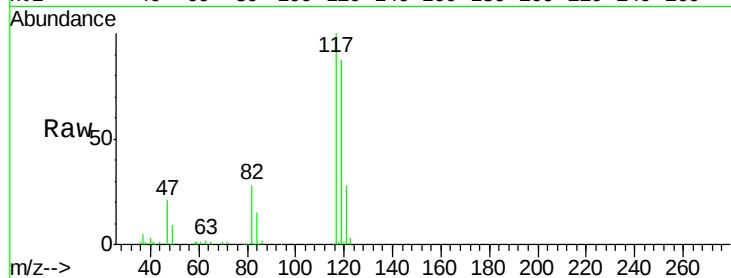
ClientSampleId :

VSTDIC001

Tot Ion:	117	Resp:	218137
Ion Ratio	Lower	Upper	
117	100		
119	86.6	76.2	114.4
121	27.6	24.9	37.3

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#36

Benzene

Concen: 1.007 ppbv

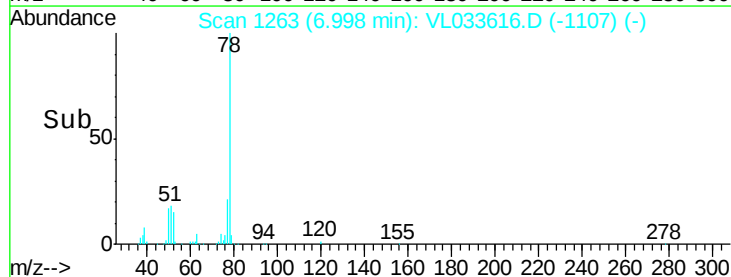
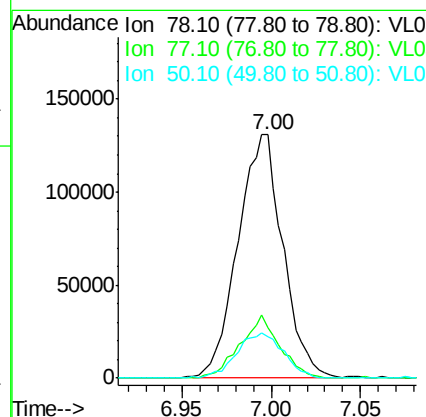
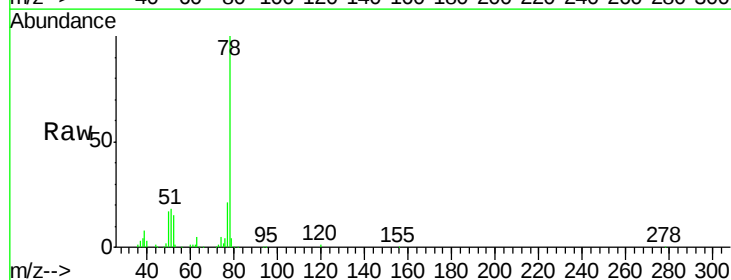
RT: 7.00 min Scan# 1263

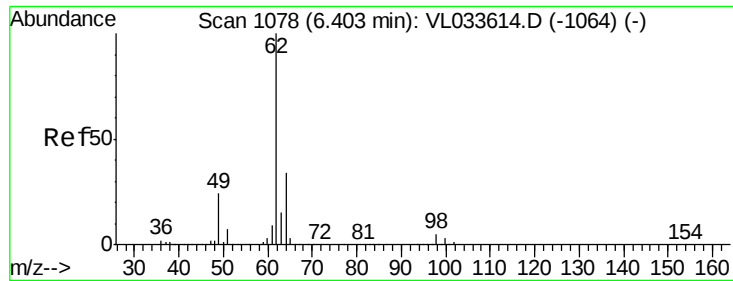
Delta R.T. 0.00 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Tgt Ion:	78	Resp:	229225
Ion Ratio	Lower	Upper	
78	100		
77	20.4	18.1	27.1
50	16.7	15.1	22.7





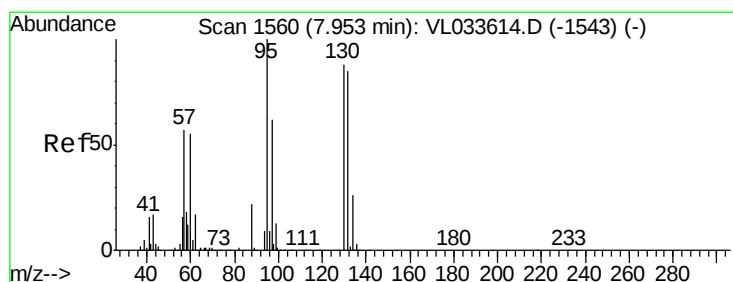
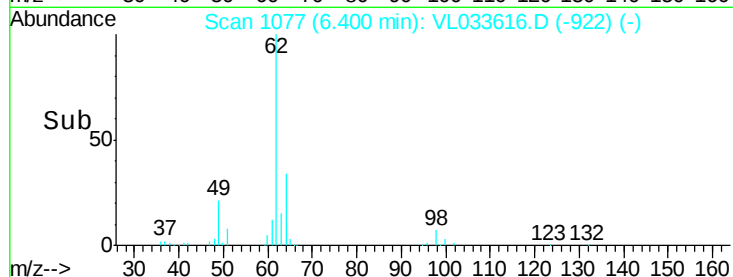
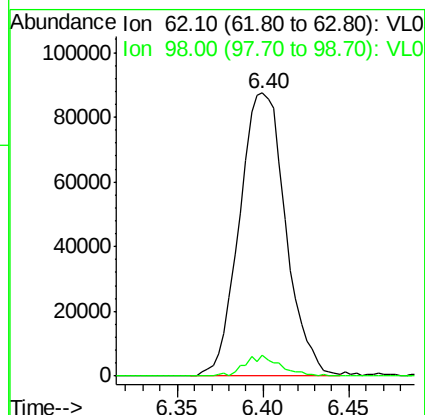
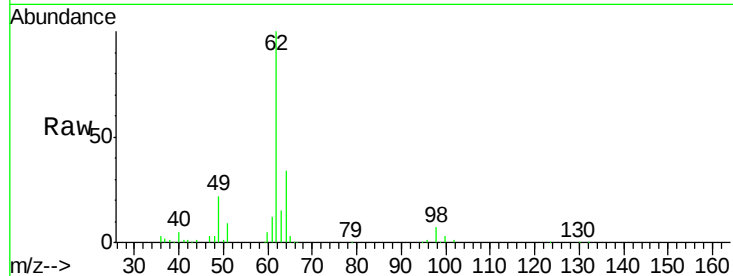
#37
 1,2-Dichloroethane
 Concen: 1.068 ppbv
 RT: 6.40 min Scan# 1077
 Delta R.T. -0.00 min
 Lab File: VL033616.D
 Acq: 1 May 2019 13:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.7	4.4	6.6

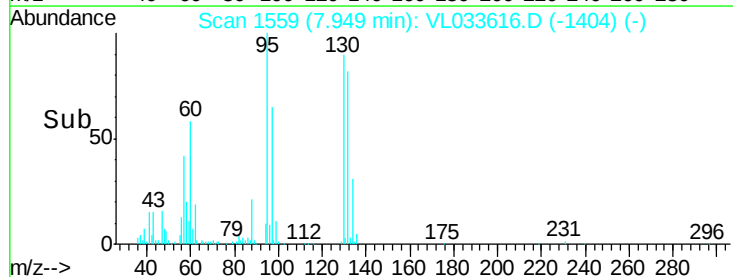
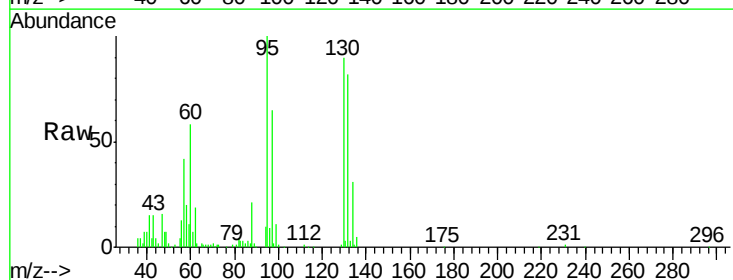
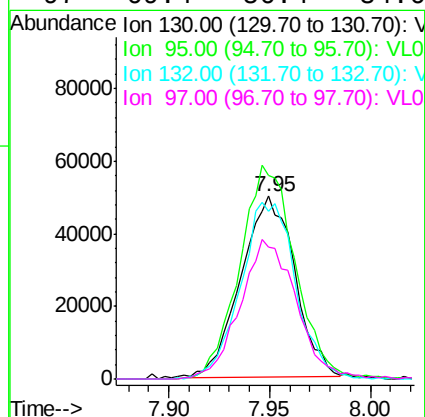
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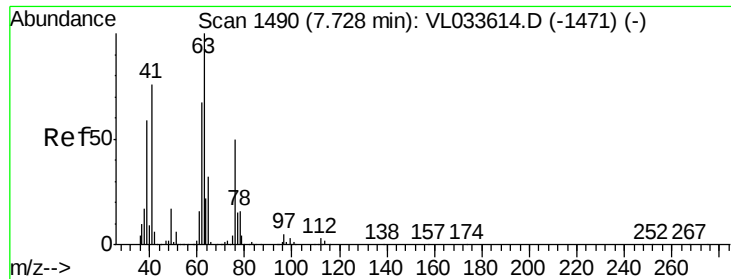
MMDadoda
 5/4/2019 7:17:24 AM



#38
 Trichloroethene
 Concen: 1.022 ppbv
 RT: 7.95 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VL033616.D
 Acq: 1 May 2019 13:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.2	91.2	136.8
132	91.1	77.8	116.8
97	69.4	56.4	84.6





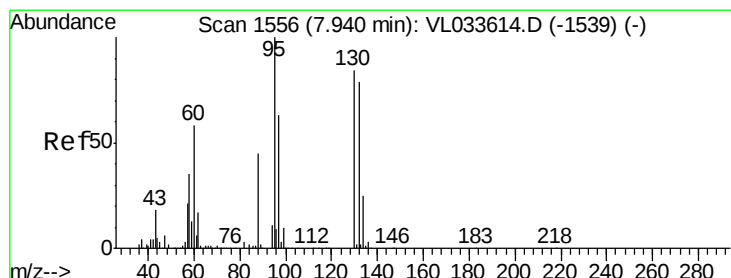
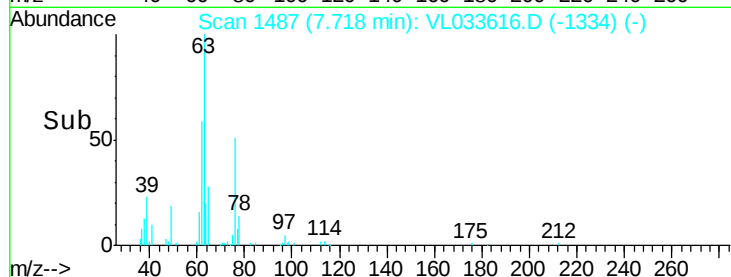
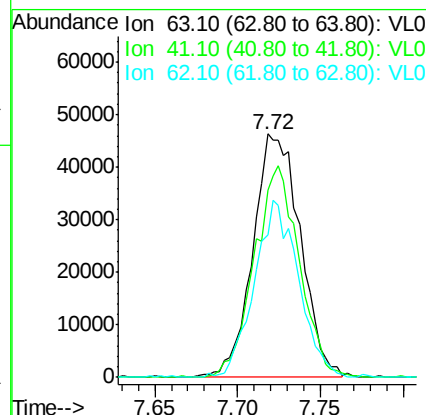
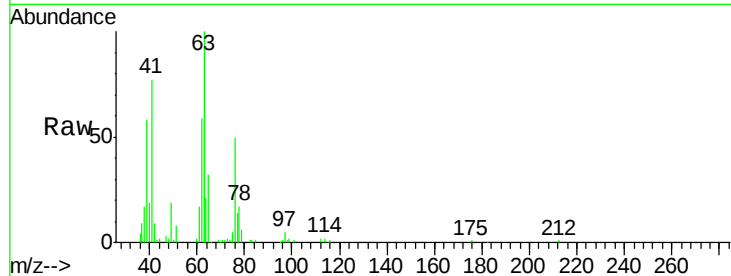
#39
 1,2-Dichloropropane
 Concen: 1.069 ppbv
 RT: 7.72 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: VL033616.D
 Acq: 1 May 2019 13:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
41	76.9	60.9	91.3
62	58.6	53.3	79.9

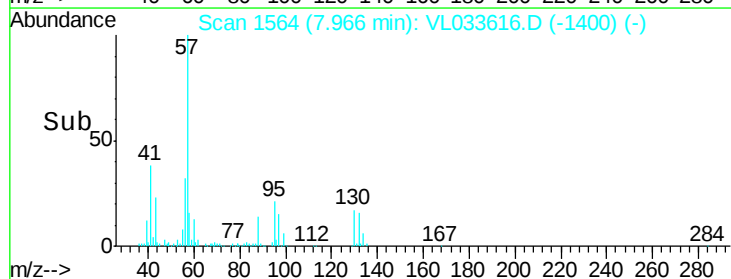
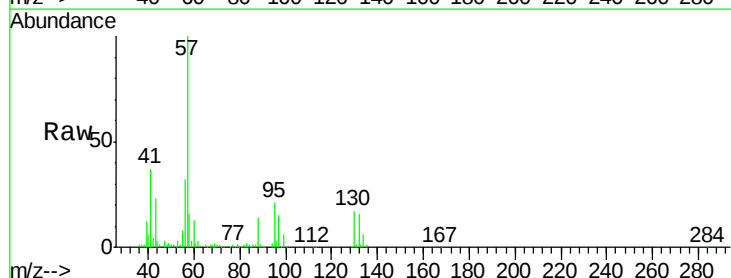
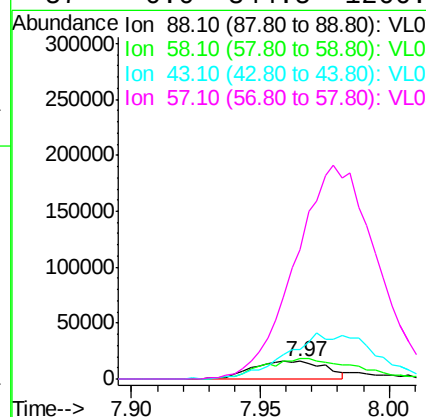
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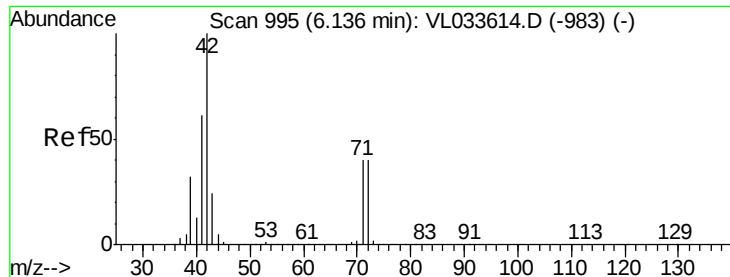
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#40
 1,4-Dioxane
 Concen: 0.916 ppbv
 RT: 7.97 min Scan# 1564
 Delta R.T. 0.03 min
 Lab File: VL033616.D
 Acq: 1 May 2019 13:13

Tgt Ion	Ratio	Lower	Upper
88	100		
58	153.0	98.4	147.6#
43	312.7	190.7	286.1#
57	0.0	844.5	1266.7#





#41

Tetrahydrofuran

Concen: 1.038 ppbv

RT: 6.15 min Scan# 1000

Delta R.T. 0.02 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Instrument :

MSVOA_L

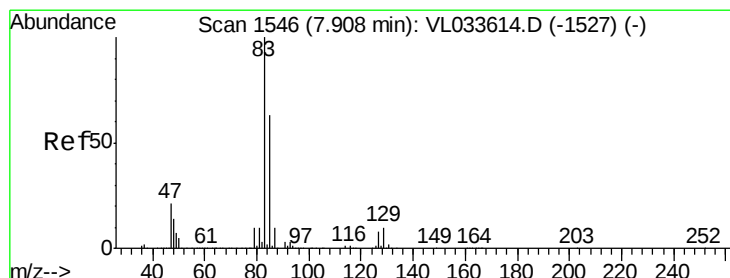
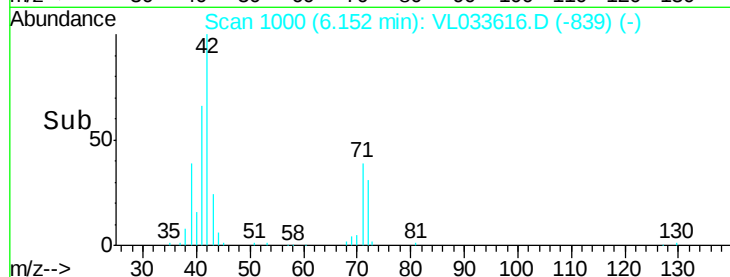
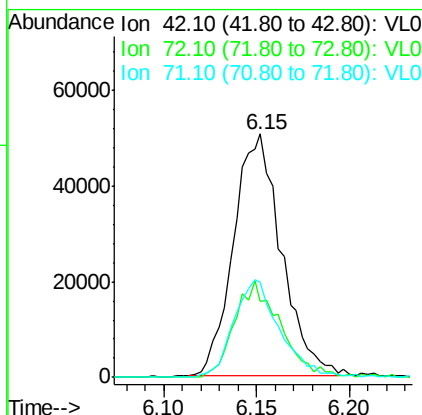
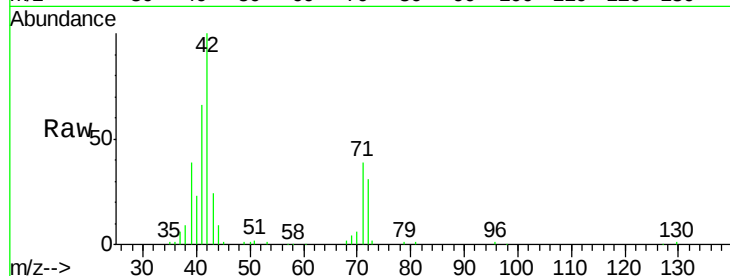
ClientSampleId :

VSTDIC001

Tot Ion:	42	Resp:	90901
Ion Ratio	Lower	Upper	
42	100		
72	38.1	31.8	47.6
71	39.1	31.0	46.4

Manual Integrations
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#42

Bromodichloromethane

Concen: 1.014 ppbv

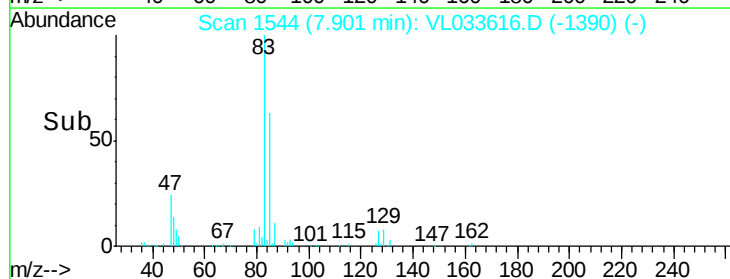
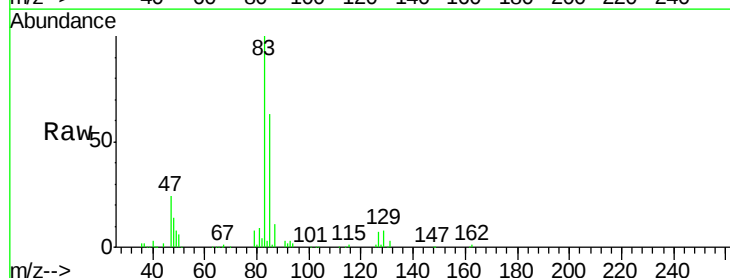
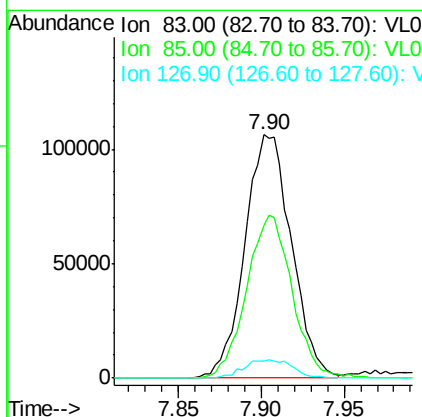
RT: 7.90 min Scan# 1544

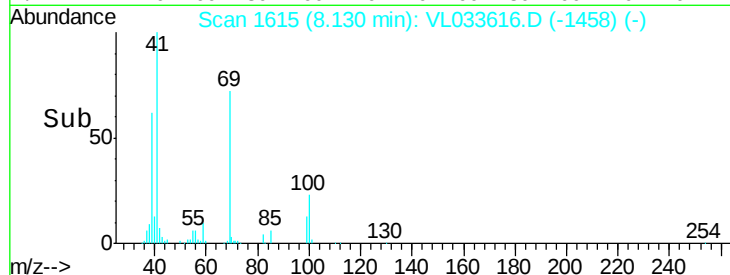
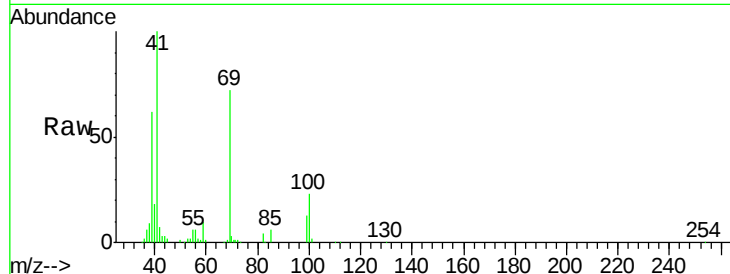
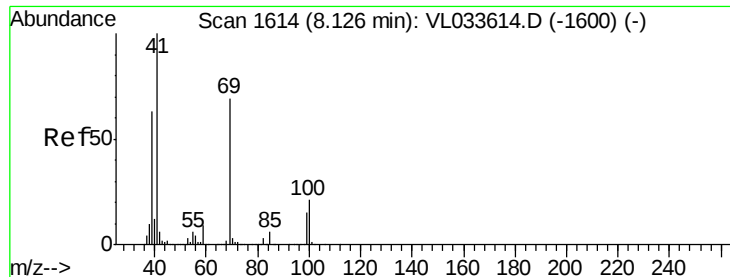
Delta R.T. -0.01 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Tgt Ion:	83	Resp:	207505
Ion Ratio	Lower	Upper	
83	100		
85	62.7	50.2	75.4
127	6.8	6.5	9.7





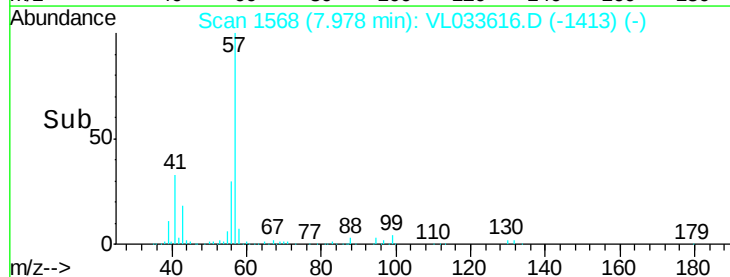
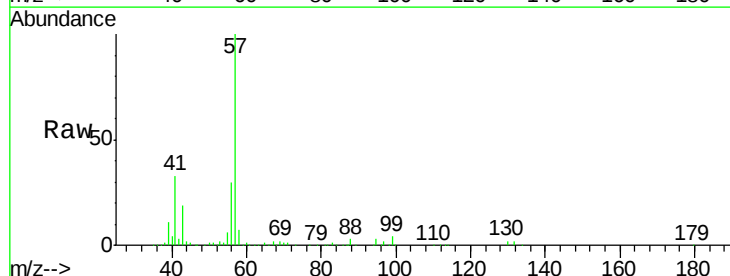
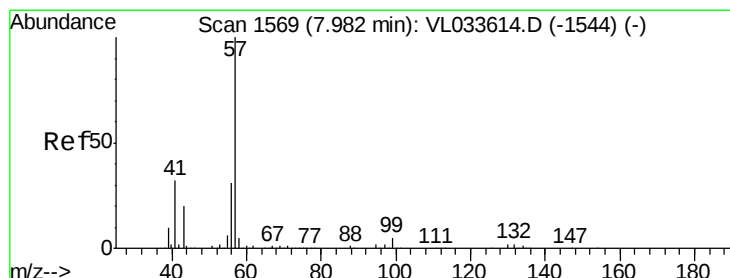
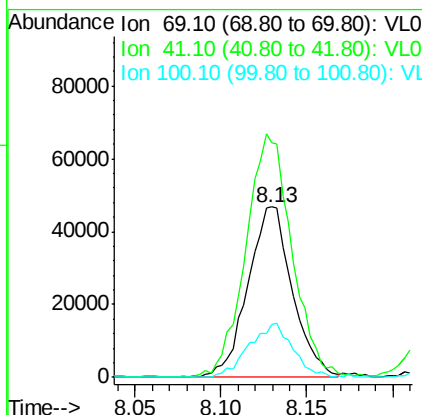
#43
Methvl Methacrylate
Concen: 0.978 ppbv
RT: 8.13 min Scan# 1615
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tot Ion	Ratio	Lower	Upper
69	100		
41	148.1	115.0	172.4
100	31.5	24.7	37.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

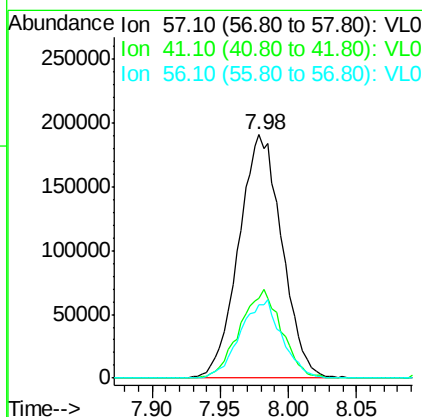
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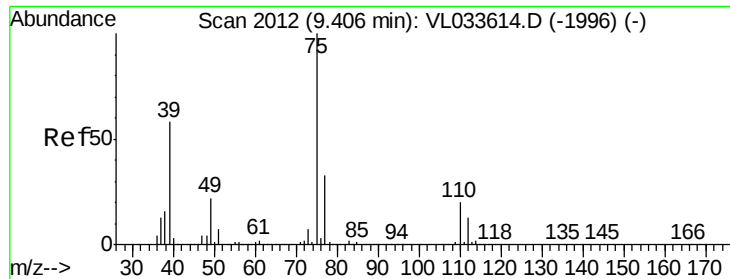
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 1.062 ppbv
RT: 7.98 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.3	25.4	38.2
56	31.0	24.6	37.0





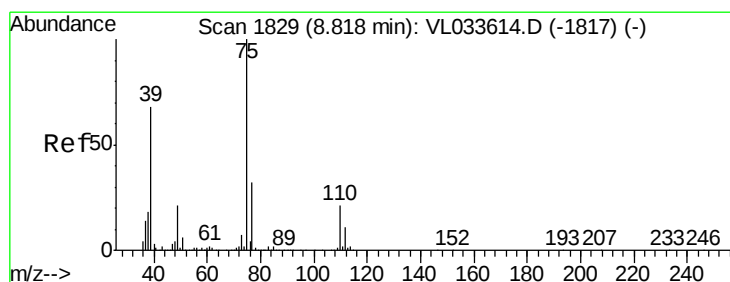
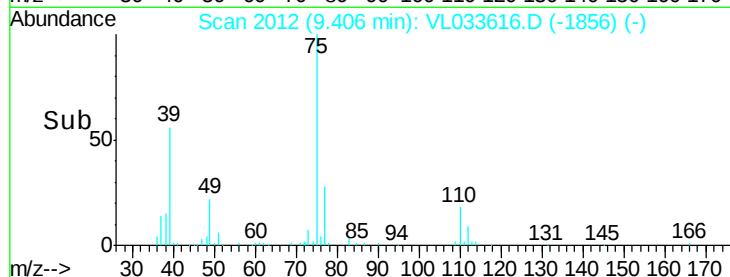
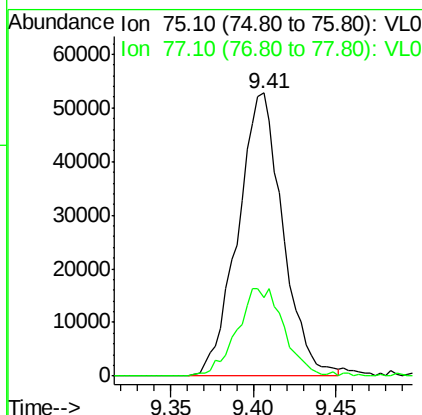
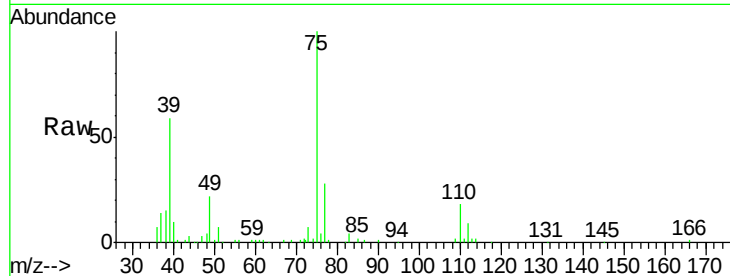
#45
t-1,3-Dichloropropene
Concen: 0.868 ppbv
RT: 9.41 min Scan# 2012
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 75 Resp: 99330
Ion Ratio Lower Upper
75 100
77 28.0 26.0 39.0

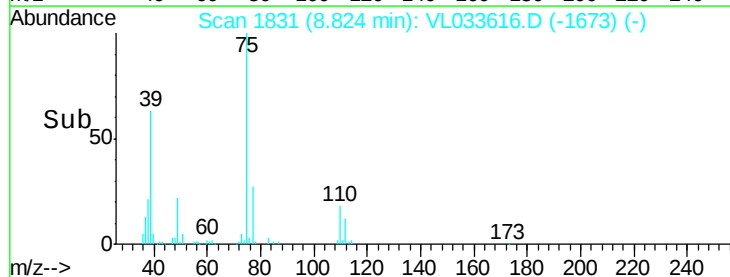
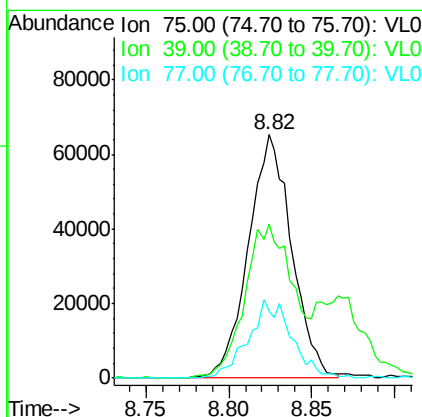
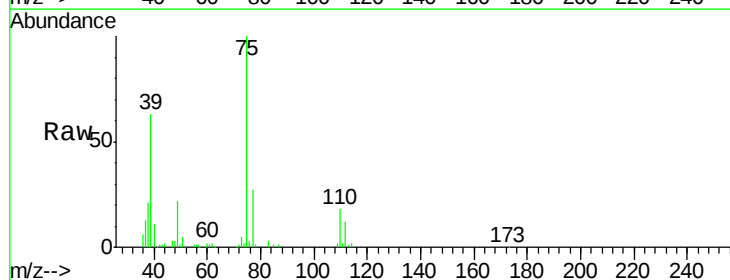
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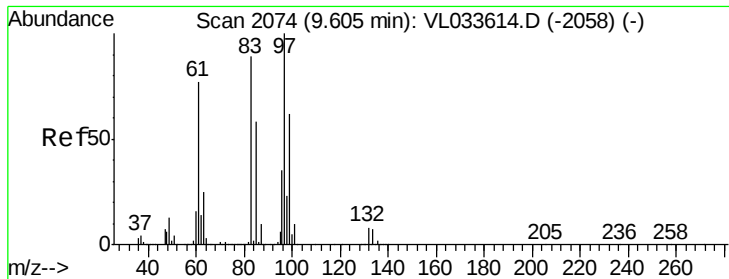
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#46
cis-1,3-Dichloropropene
Concen: 0.916 ppbv
RT: 8.82 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 75 Resp: 118283
Ion Ratio Lower Upper
75 100
39 63.1 54.6 82.0
77 27.4 25.7 38.5





#47

1,1,2-Trichloroethane

Concen: 0.941 ppbv m

RT: 9.61 min Scan# 2075

Delta R.T. 0.00 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Instrument :

MSVOA_L

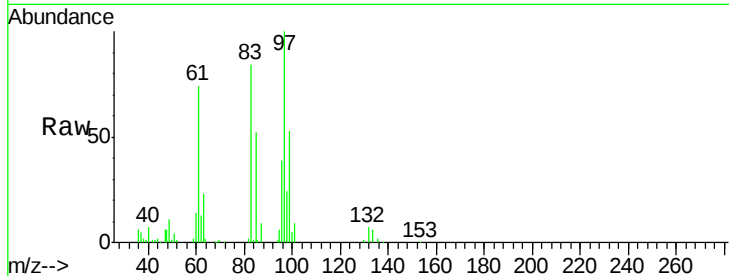
ClientSampleId :

VSTDIC001

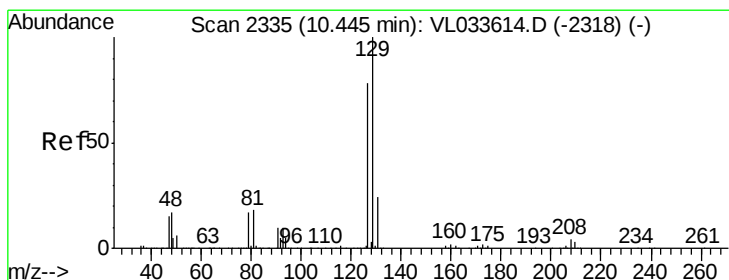
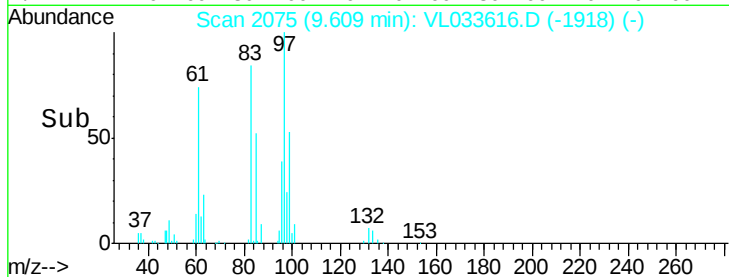
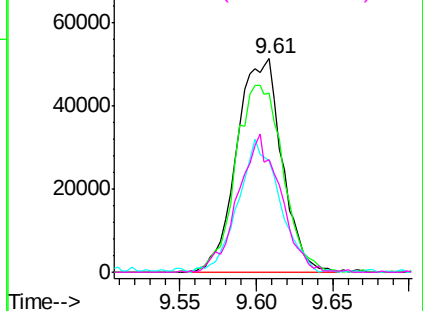
Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	83.7	71.4	107.0	
85	51.9	46.0	69.0	
99	52.9	49.6	74.4	

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Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 0.878 ppbv m

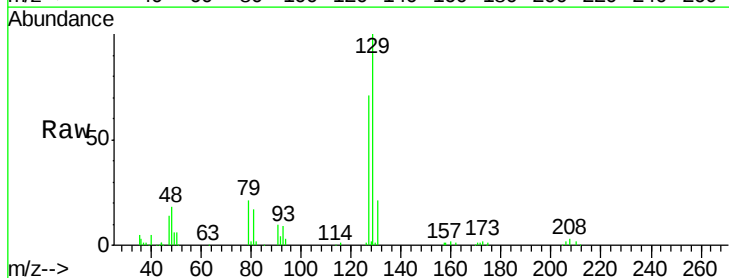
RT: 10.43 min Scan# 2332

Delta R.T. -0.01 min

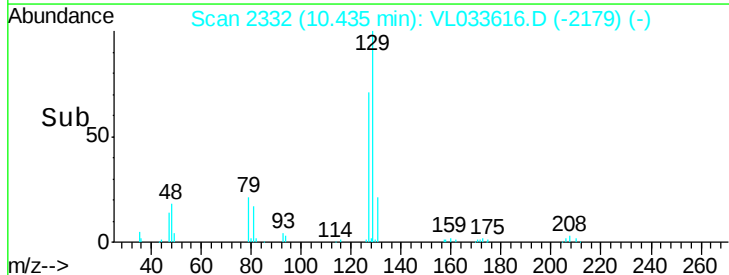
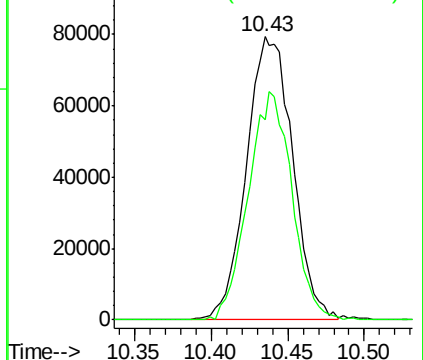
Lab File: VL033616.D

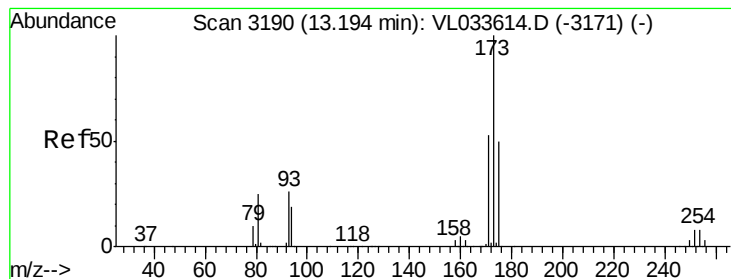
Acq: 1 May 2019 13:13

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	76.2	39.2	117.6	



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.922 ppbv

RT: 13.19 min Scan# 3189

Delta R.T. -0.00 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:173 Resp: 133888

Ion Ratio Lower Upper

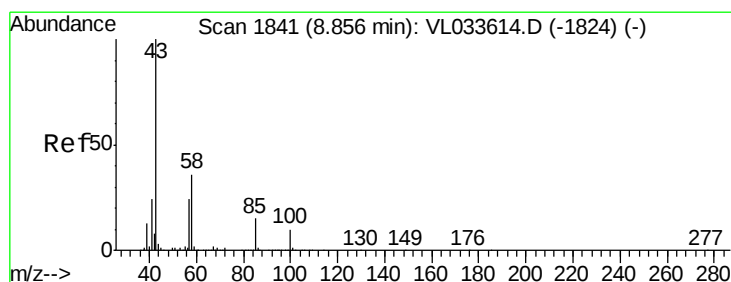
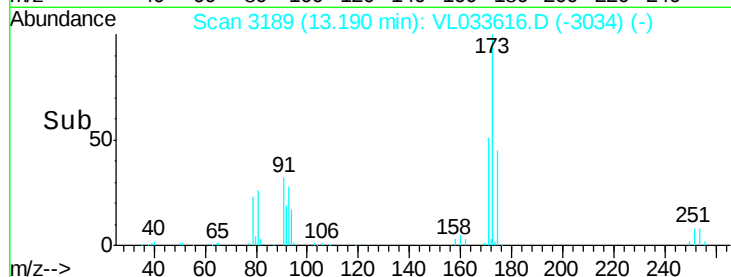
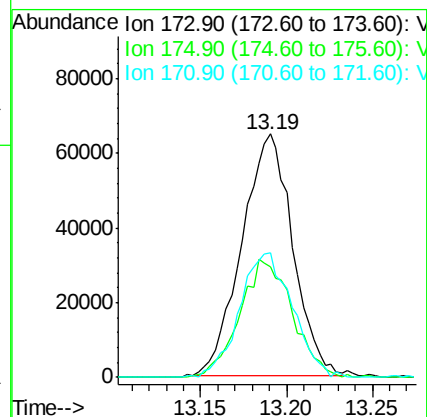
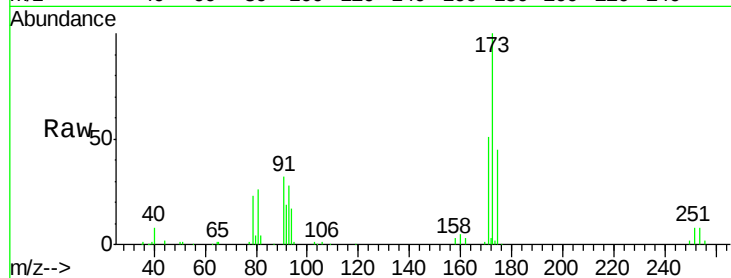
173 100

175 50.3 39.0 58.6

171 53.3 41.6 62.4

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#50

4-Methyl-2-Pentanone

Concen: 1.027 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VL033616.D

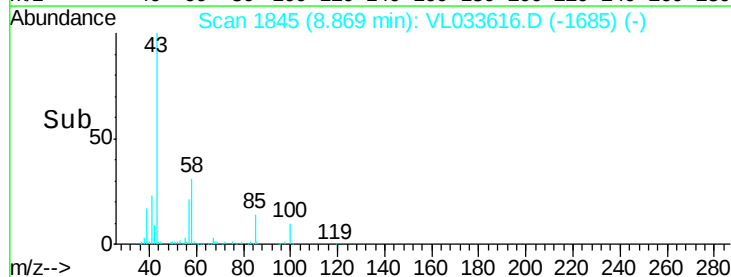
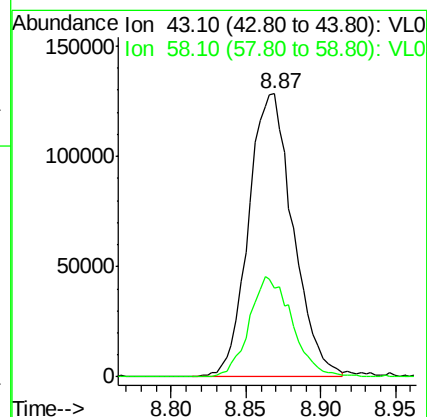
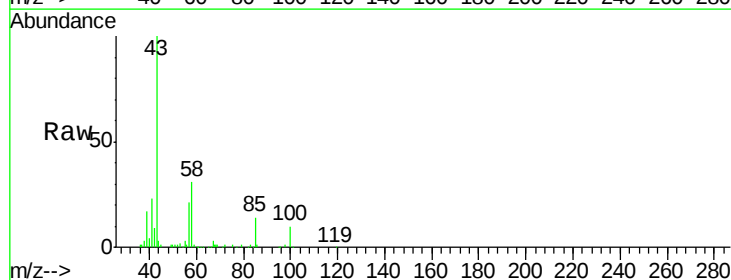
Acq: 1 May 2019 13:13

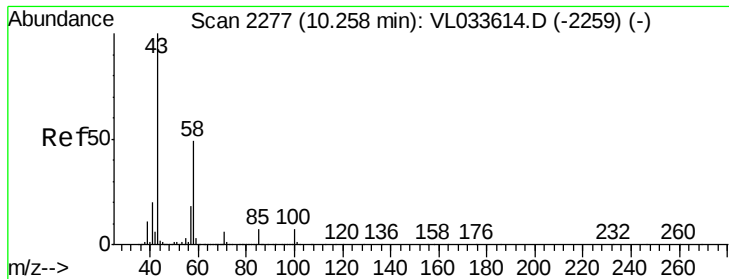
Tgt Ion: 43 Resp: 263778

Ion Ratio Lower Upper

43 100

58 34.4 28.6 42.8





#51

2-Hexanone

Concen: 0.884 ppbv

RT: 10.27 min Scan# 2280

Delta R.T. 0.01 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Instrument :

MSVOA_L

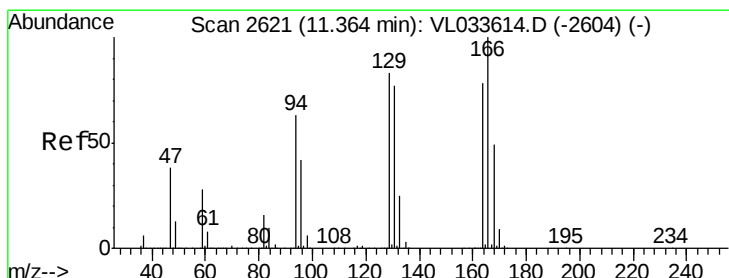
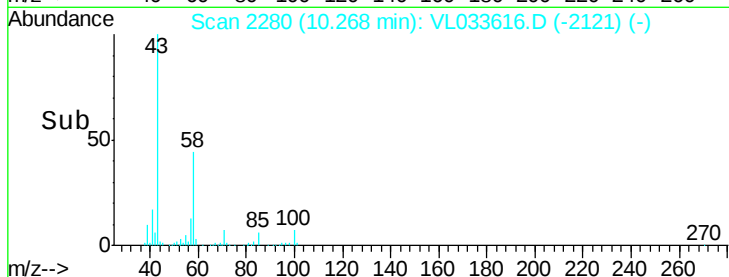
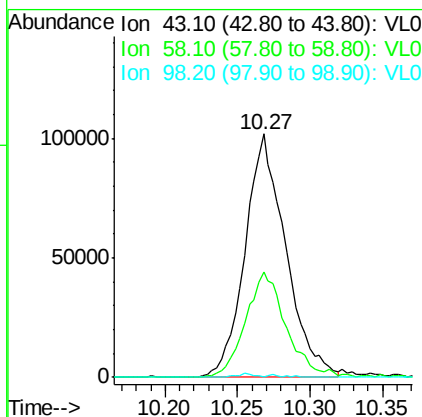
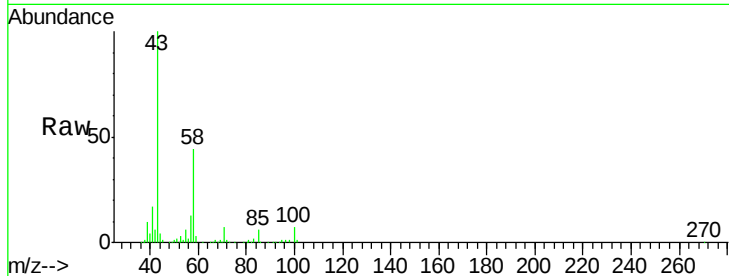
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	199401
Ion Ratio		Lower	Upper
43	100		
58	44.2	38.5	57.7
98	1.1	0.3	0.5#

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#52

Tetrachloroethene

Concen: 1.071 ppbv m

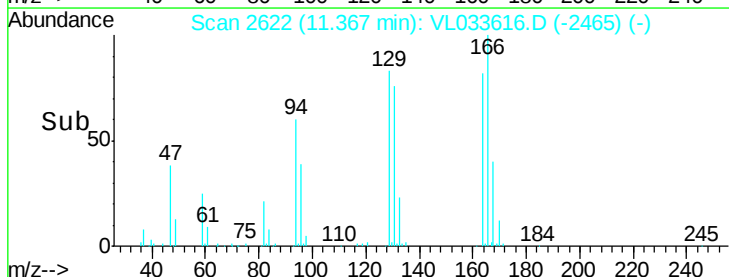
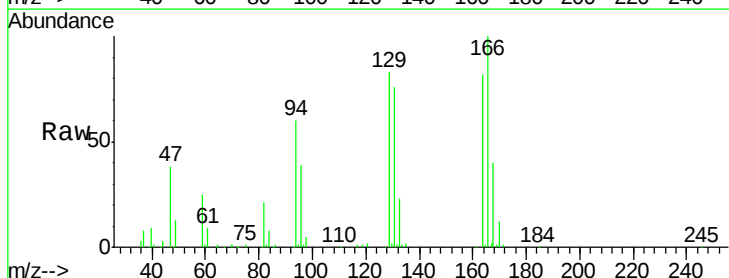
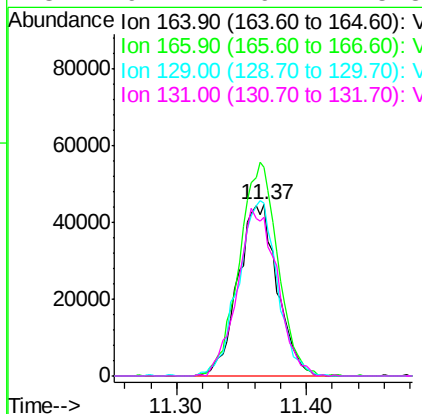
RT: 11.37 min Scan# 2622

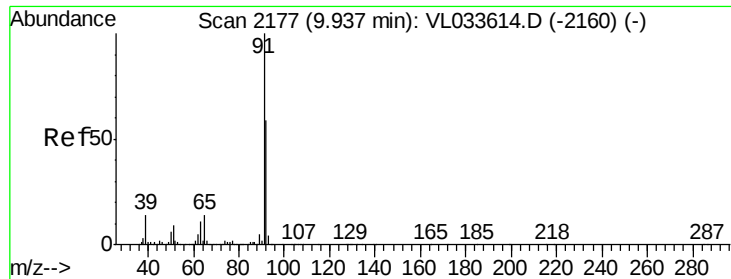
Delta R.T. 0.00 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Tgt Ion:	164	Resp:	93742
Ion Ratio		Lower	Upper
164	100		
166	122.0	102.2	153.4
129	100.7	84.4	126.6
131	92.7	79.2	118.8





#53

Toluene

Concen: 0.890 ppbv

RT: 9.94 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 255622

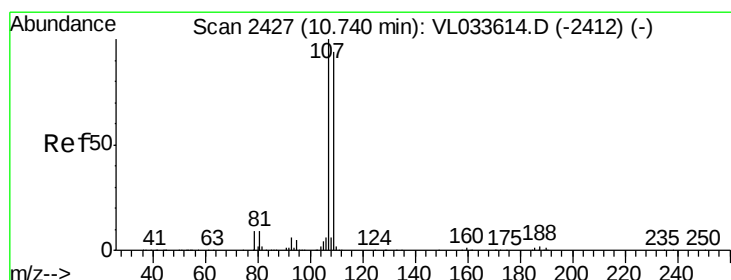
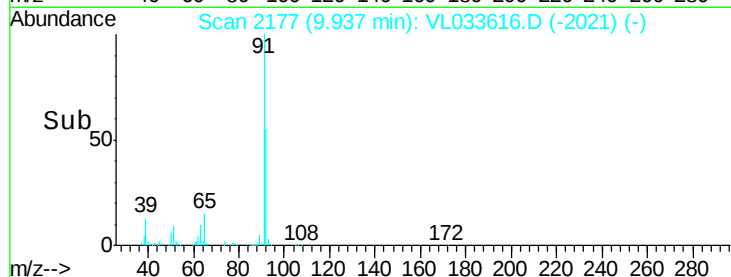
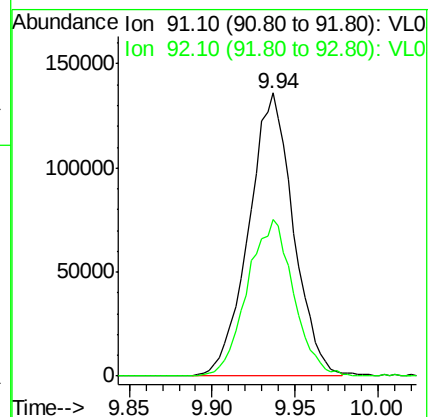
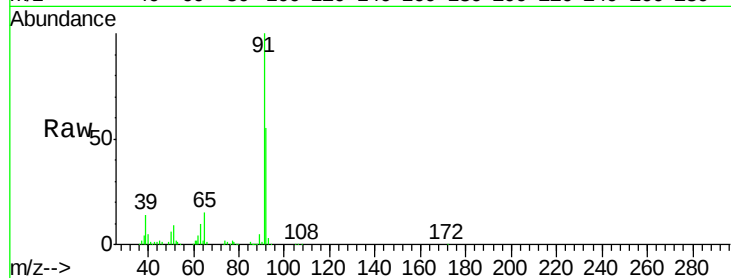
Ion Ratio Lower Upper

91 100

92 57.3 47.8 71.6

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#54

1,2-Dibromoethane

Concen: 1.008 ppbv

RT: 10.75 min Scan# 2430

Delta R.T. 0.01 min

Lab File: VL033616.D

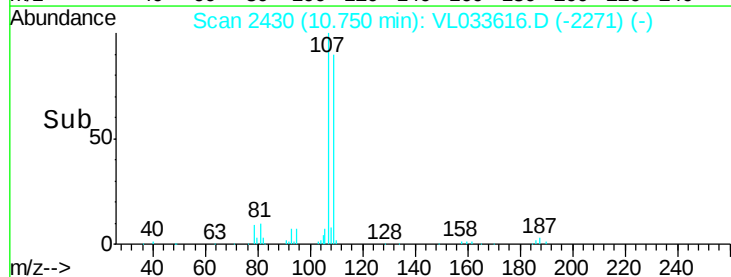
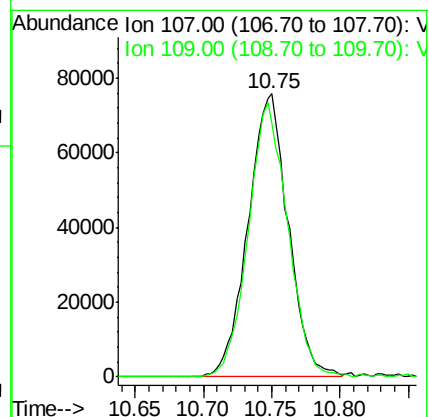
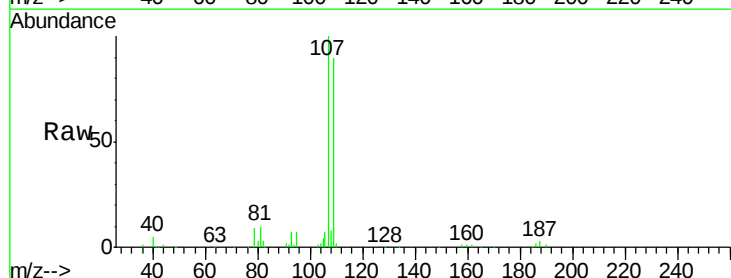
Acq: 1 May 2019 13:13

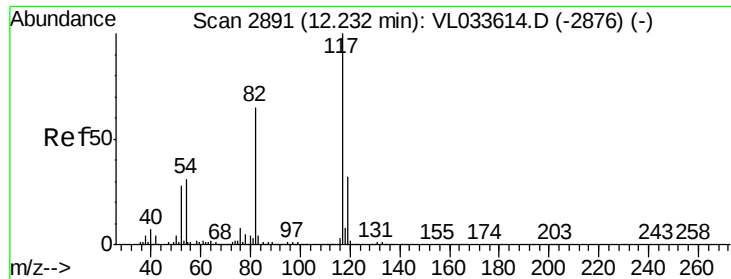
Tgt Ion: 107 Resp: 155171

Ion Ratio Lower Upper

107 100

109 91.3 75.1 112.7





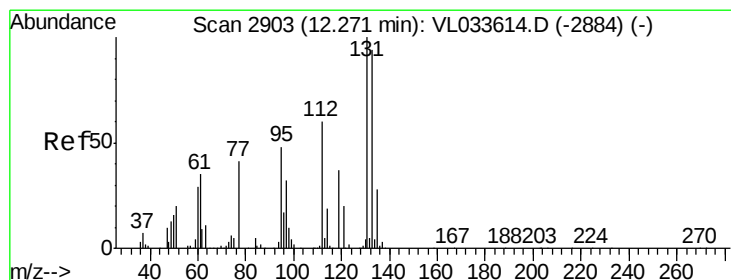
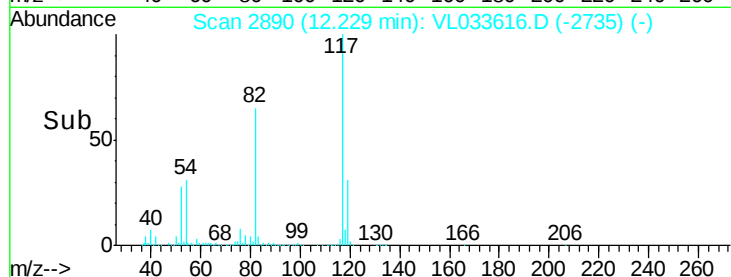
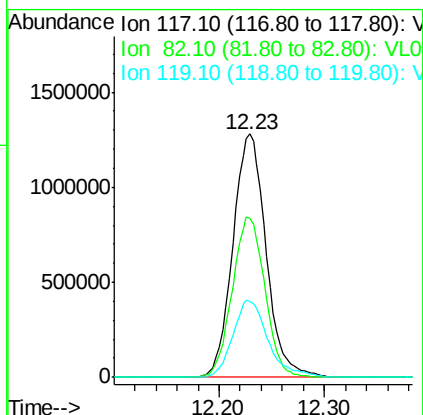
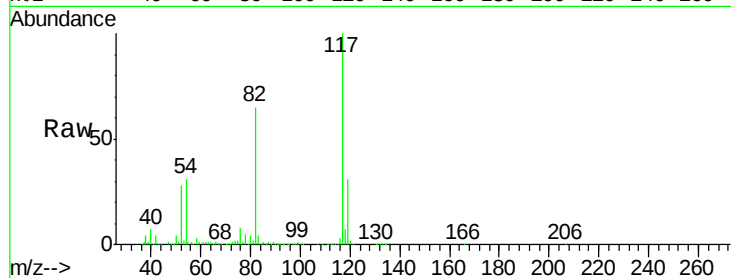
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.0	52.6	78.8
119	33.9	28.3	42.5

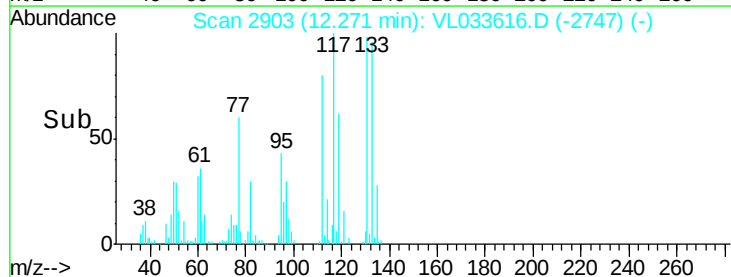
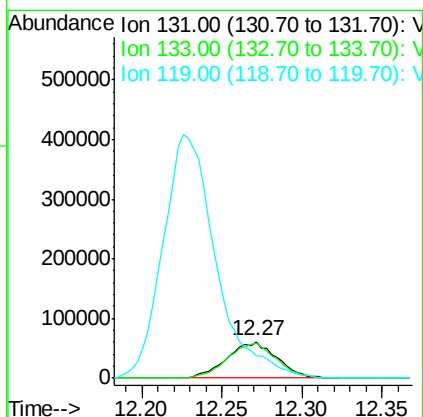
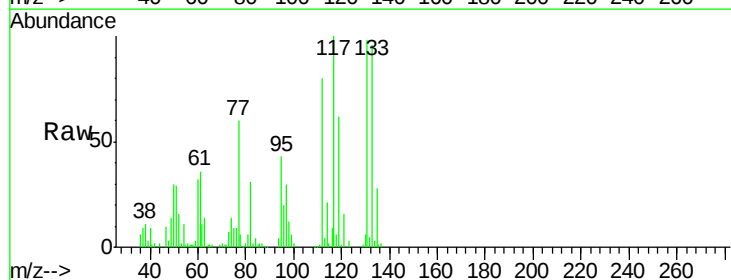
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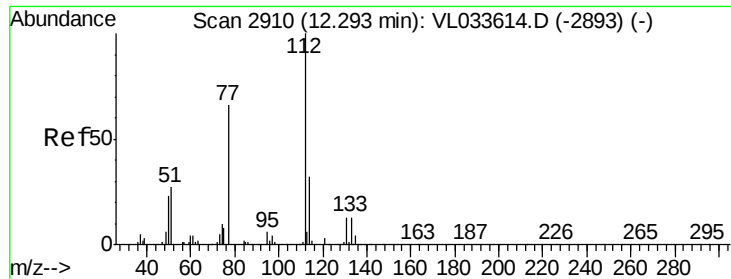
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#56
1,1,1,2-Tetrachloroethane
Concen: 1.055 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	76.4	114.6
119	736.3	40.9	61.3#





#57

Chlorobenzene

Concen: 1.086 ppbv

RT: 12.29 min Scan# 2909

Delta R.T. -0.00 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Instrument :

MSVOA_L

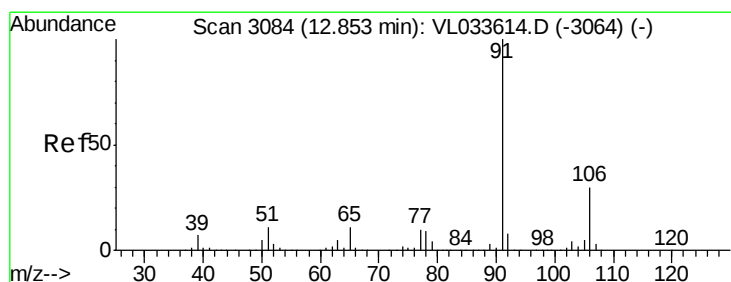
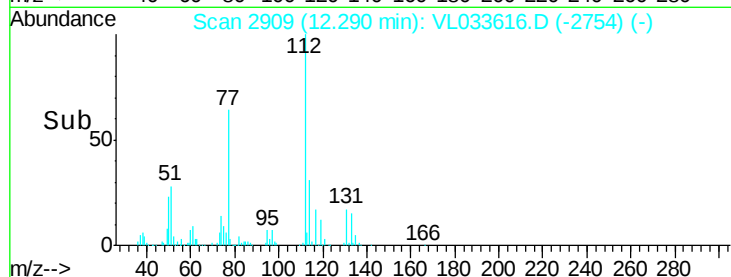
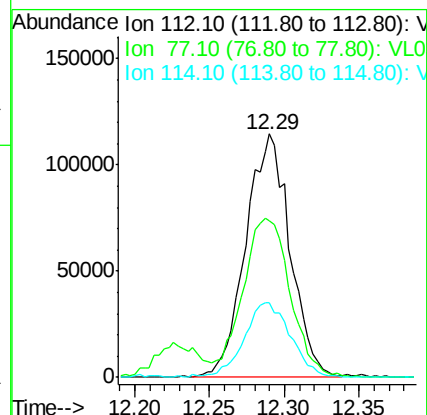
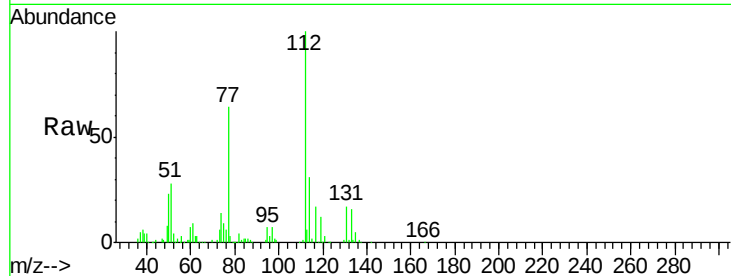
ClientSampleId :

VSTDIC001

Tot Ion:	112	Resp:	235792
Ion Ratio	Lower	Upper	
112	100		
77	63.3	53.6	80.4
114	30.4	29.1	35.5

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#58

Ethyl Benzene

Concen: 1.087 ppbv

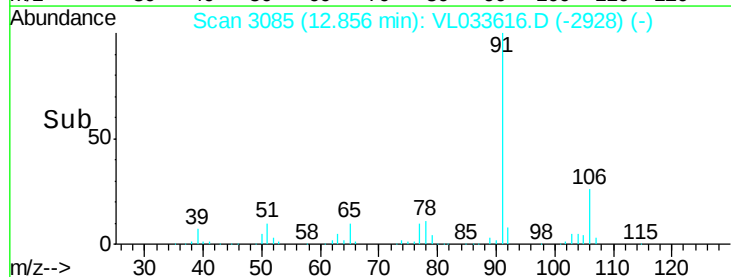
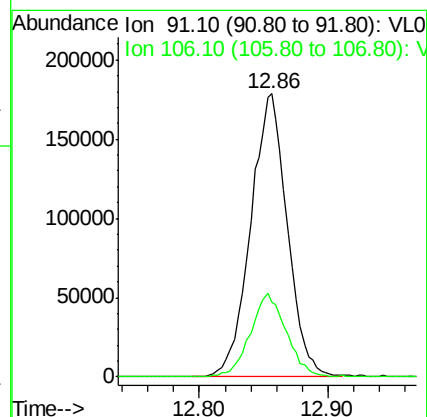
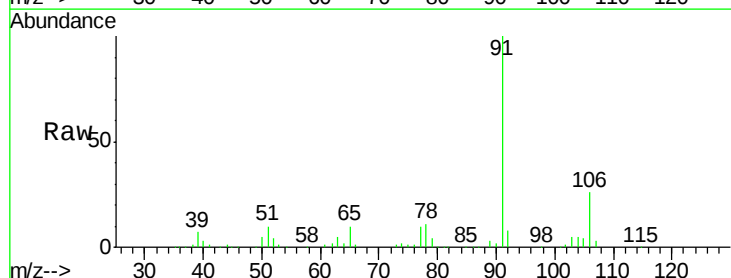
RT: 12.86 min Scan# 3085

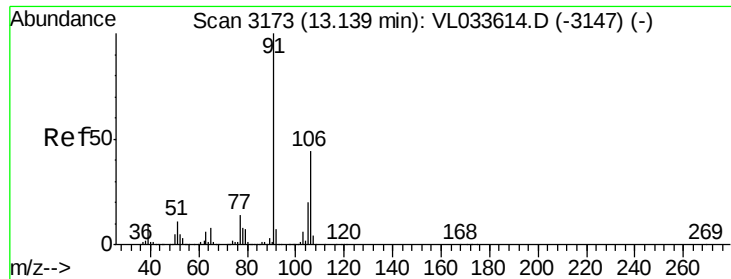
Delta R.T. 0.00 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Tgt Ion:	91	Resp:	353112
Ion Ratio	Lower	Upper	
91	100		
106	26.2	23.6	35.4





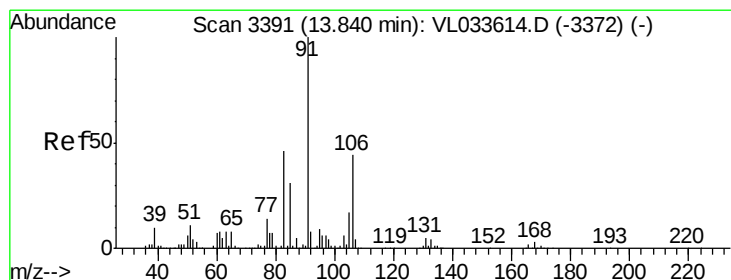
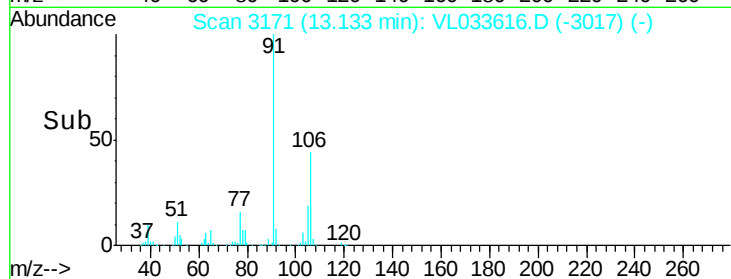
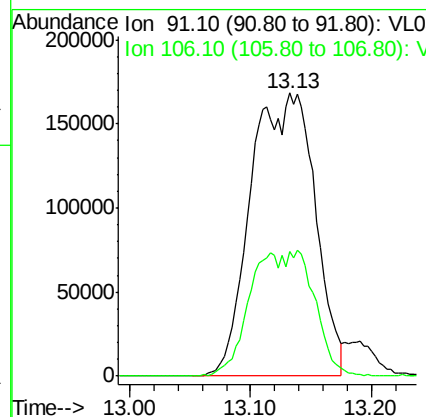
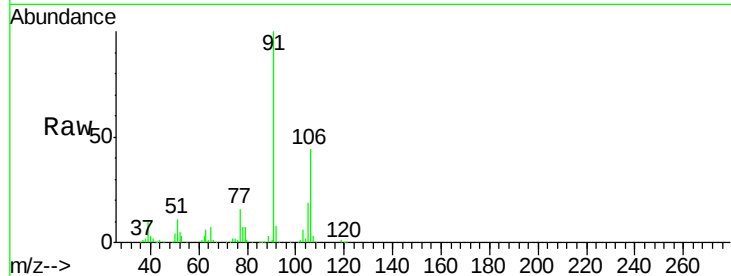
#59
m/p-Xylene
Concen: 2.219 ppbv m
RT: 13.13 min Scan# 3171
Delta R.T. -0.01 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

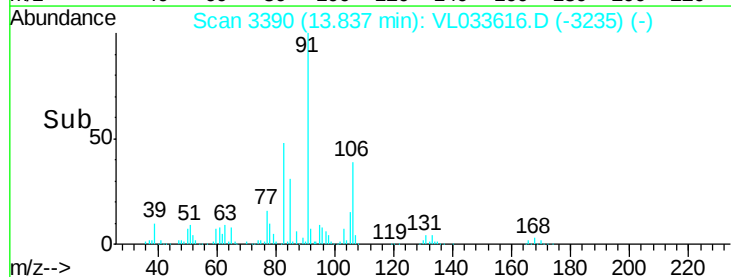
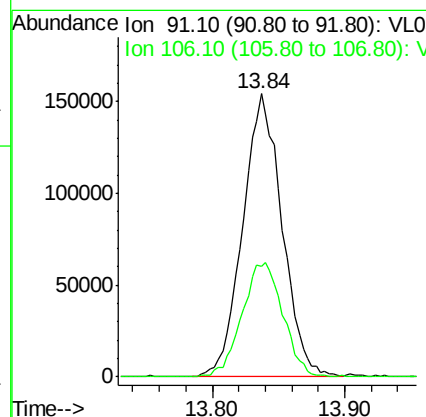
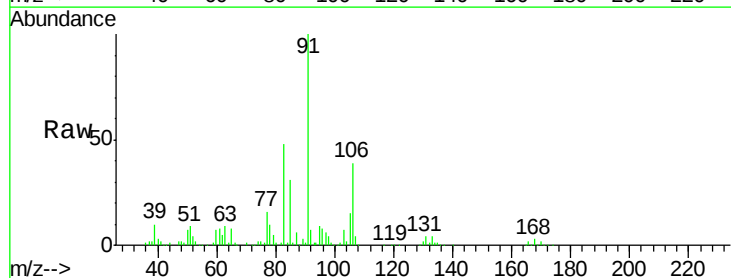
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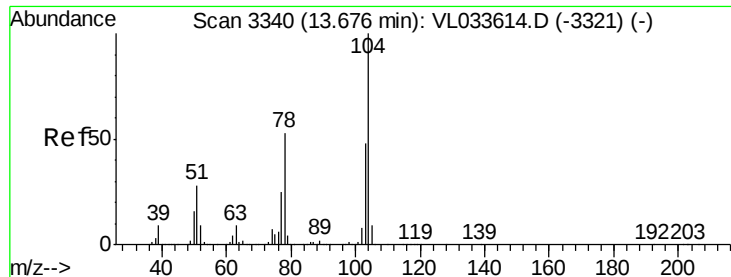
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#60
o-Xylene
Concen: 1.118 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion	Ratio	Lower	Upper
91	100		
106	42.5	21.8	65.4





#61

Stvrene

Concen: 1.066 ppbv

RT: 13.67 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Instrument :

MSVOA_L

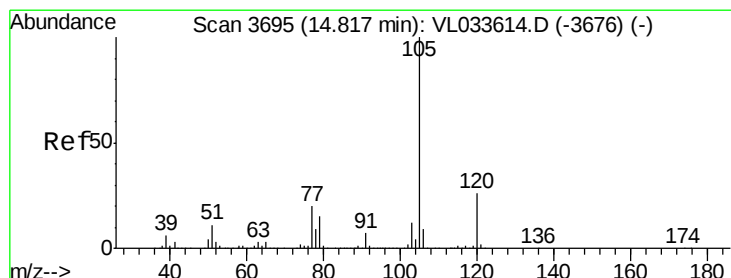
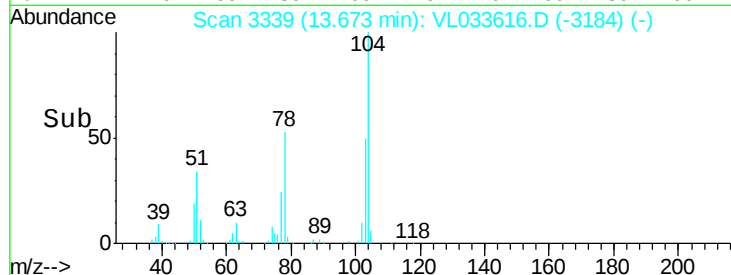
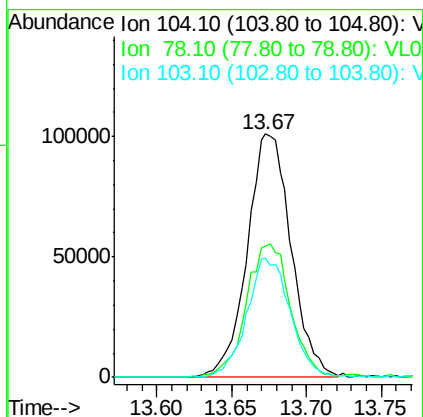
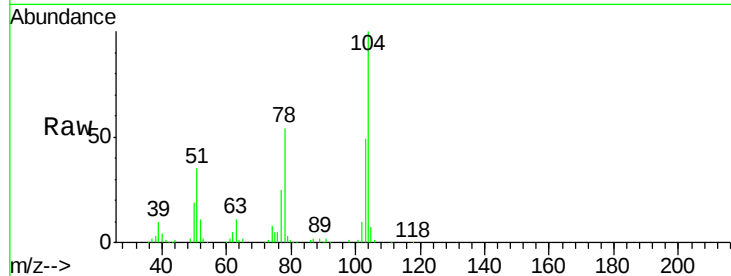
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
104	100	205940		
78	56.2		42.7	64.1
103	48.9		37.8	56.6

Manual Integrations
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#62

Isopropylbenzene

Concen: 1.105 ppbv

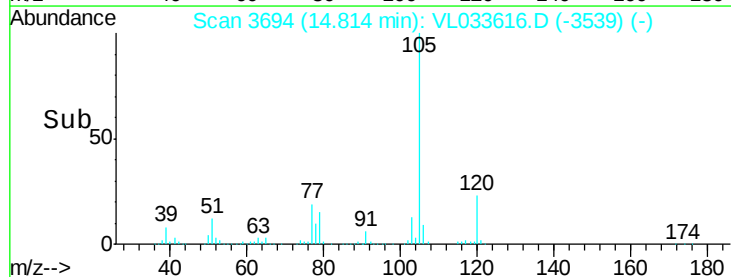
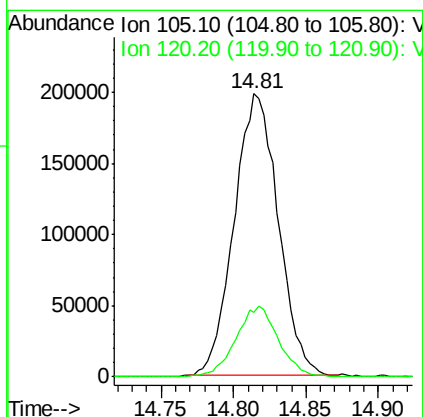
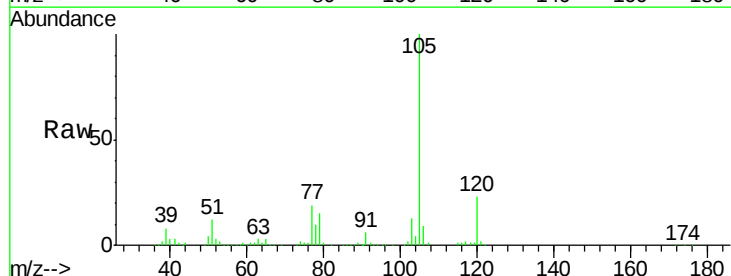
RT: 14.81 min Scan# 3694

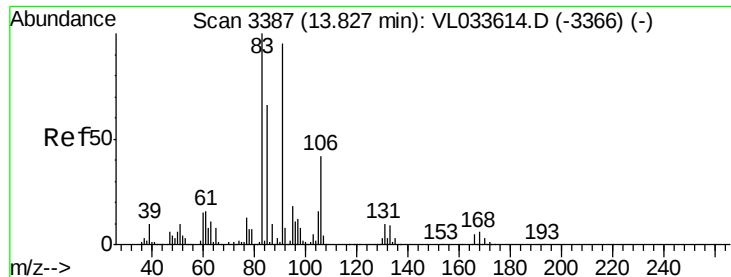
Delta R.T. -0.00 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	416979		
120	24.6		20.3	30.5





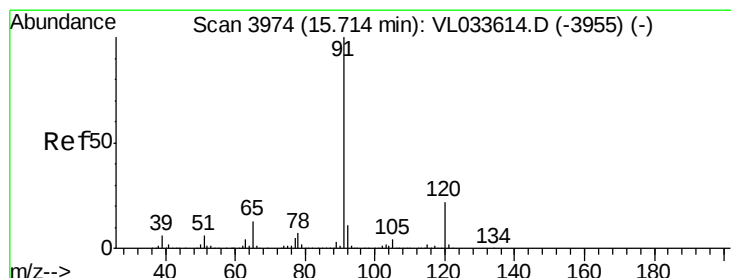
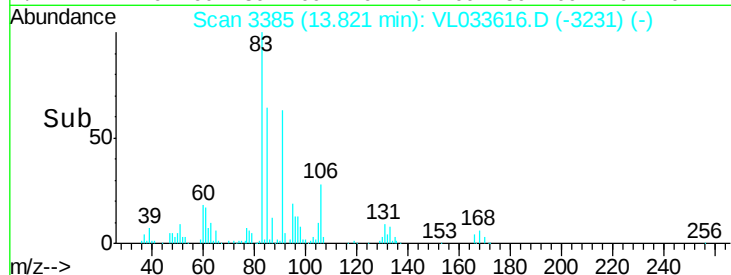
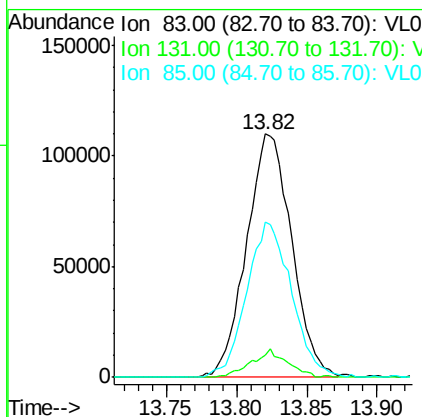
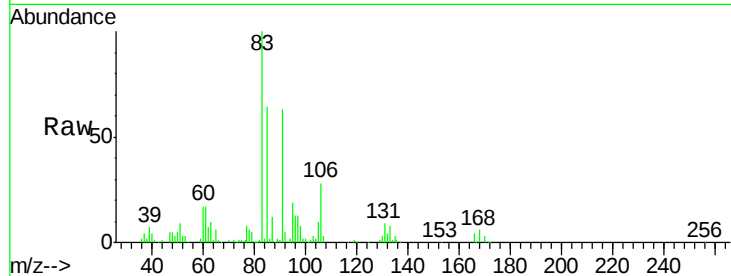
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.113 ppbv
 RT: 13.82 min Scan# 3385
 Delta R.T. -0.01 min
 Lab File: VL033616.D
 Acq: 1 May 2019 13:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.8	14.4
85	63.5	32.3	96.8

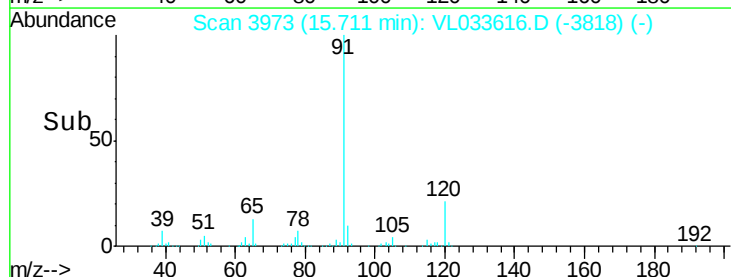
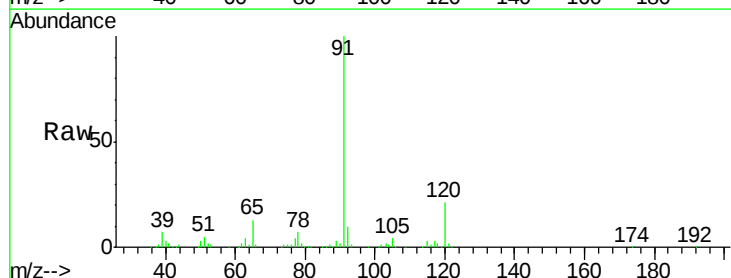
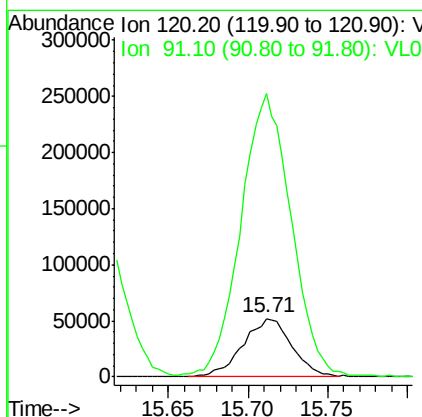
Manual Integrations
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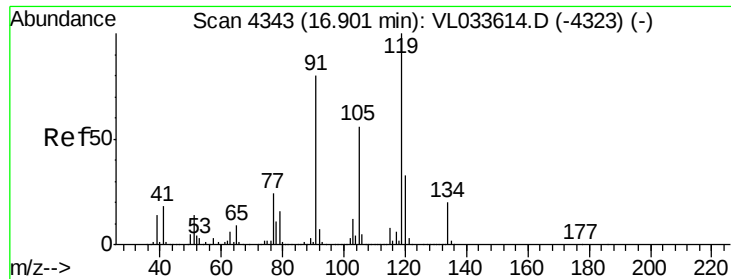
MMDadoda
 5/4/2019 7:17:24 AM



#64
 n-propylbenzene
 Concen: 1.111 ppbv
 RT: 15.71 min Scan# 3973
 Delta R.T. -0.00 min
 Lab File: VL033616.D
 Acq: 1 May 2019 13:13

Tgt Ion	Ratio	Lower	Upper
120	100		
91	503.4	380.2	570.2





#65

tert-Butylbenzene

Concen: 1.098 ppbv m

RT: 16.89 min Scan# 4341

Delta R.T. -0.01 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Instrument :

MSVOA_L

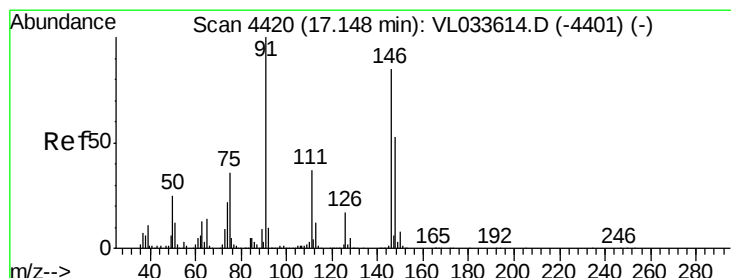
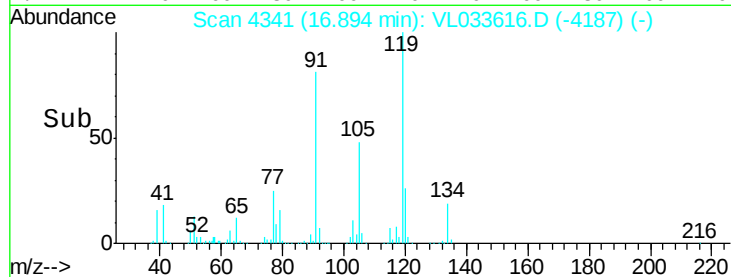
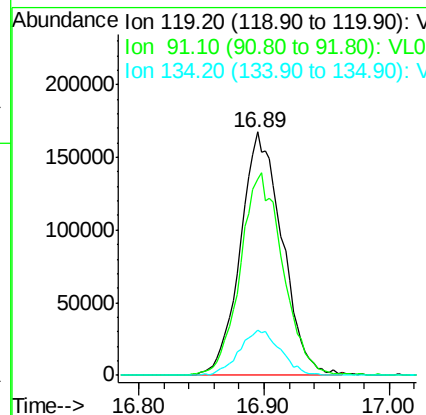
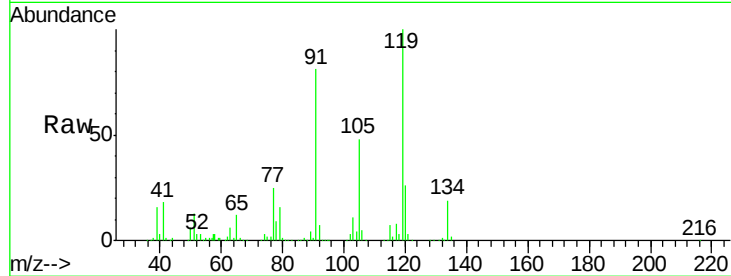
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	387362		
91	0.0	66.1	99.1#	
134	18.4	15.6	23.4	

Manual Integrations
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#66

Benzyl Chloride

Concen: 0.927 ppbv

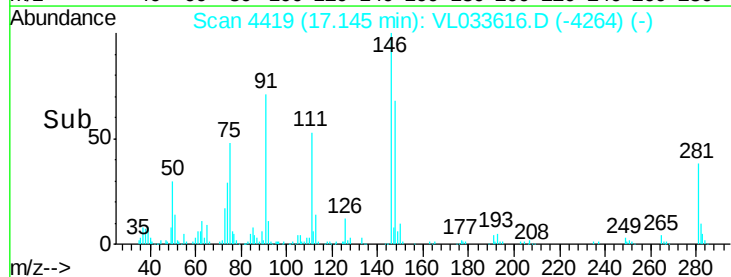
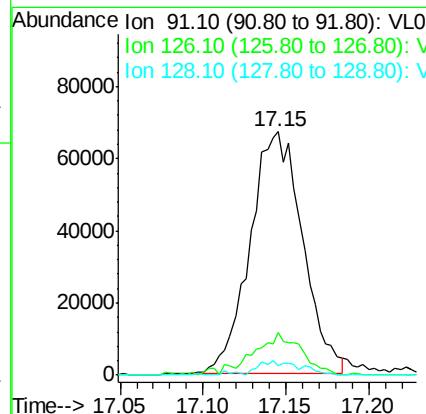
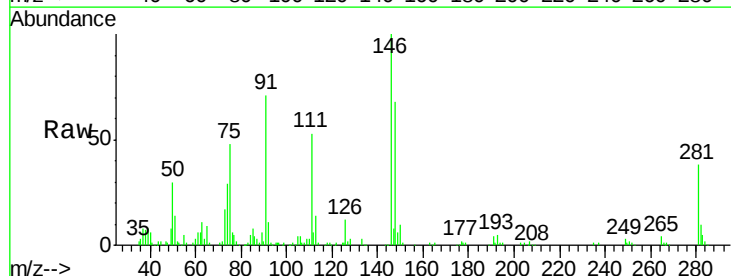
RT: 17.15 min Scan# 4419

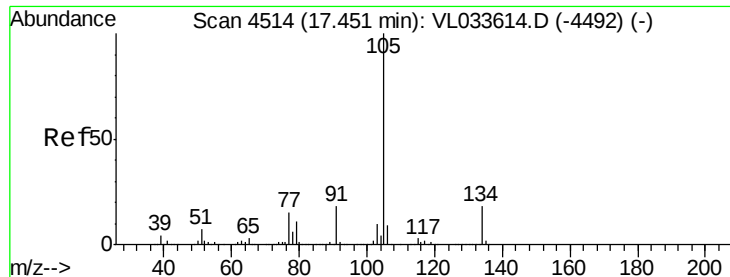
Delta R.T. -0.00 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	148616		
126	16.6	13.4	20.2	
128	5.1	4.3	6.5	





#67

sec-Butylbenzene

Concen: 1.082 ppbv

RT: 17.45 min Scan# 4513

Delta R.T. -0.00 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 536113

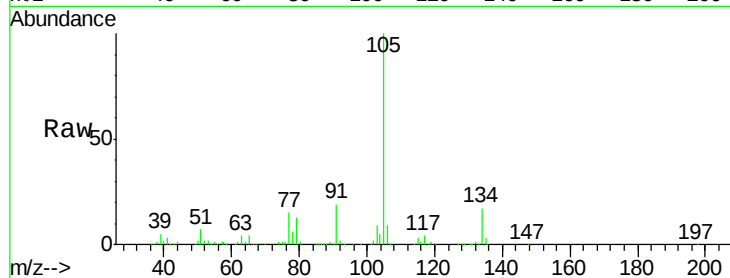
Ion Ratio Lower Upper

105 100

134 18.6 14.6 21.8

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

17.45

250000

200000

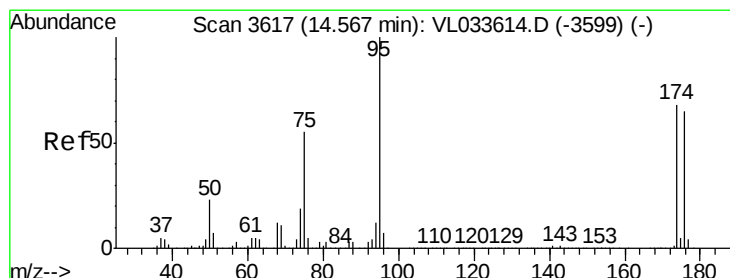
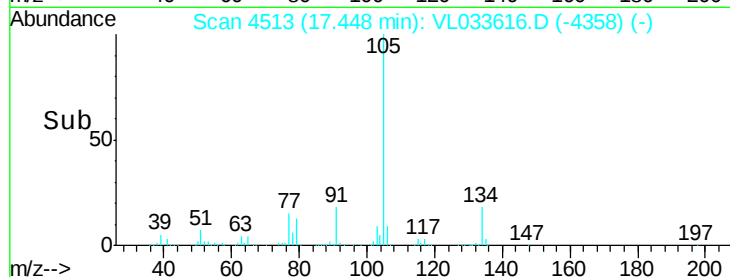
150000

100000

50000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.617 ppbv

RT: 14.57 min Scan# 3617

Delta R.T. 0.00 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

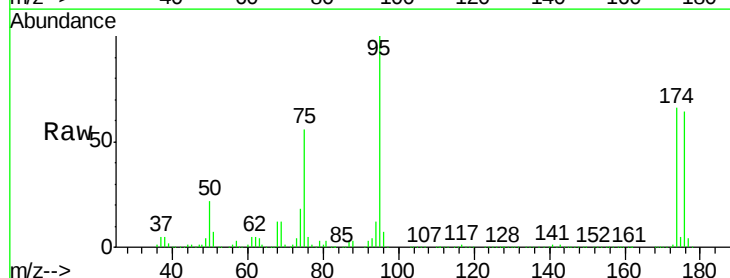
Tgt Ion: 95 Resp: 2273617

Ion Ratio Lower Upper

95 100

174 67.3 53.9 80.9

175 4.9 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

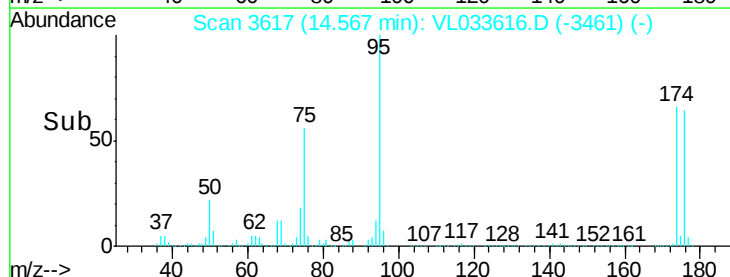
14.57

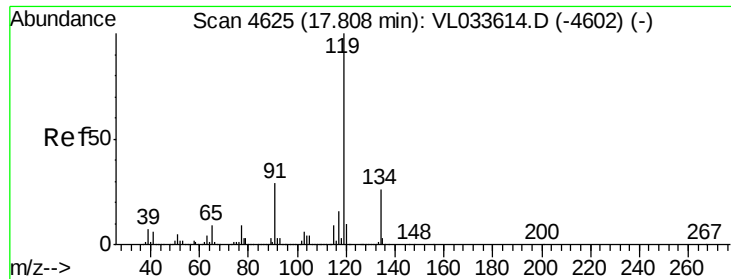
1000000

500000

0

Time-->





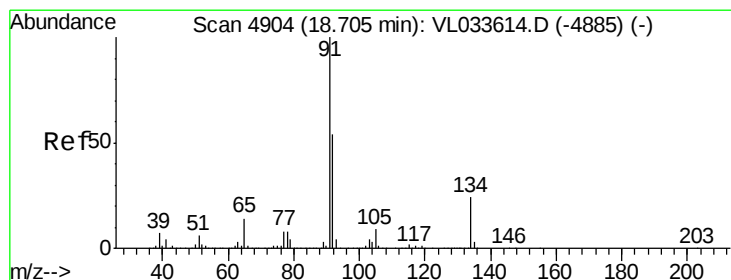
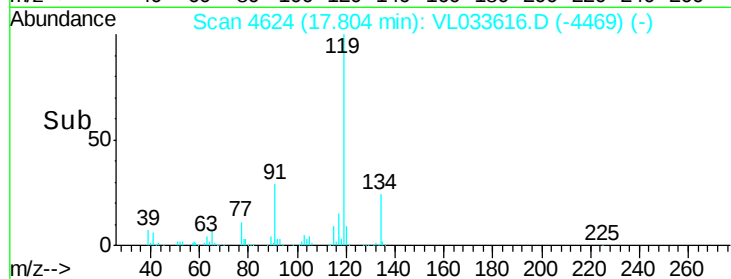
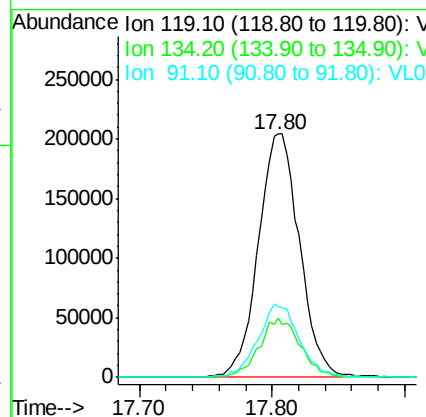
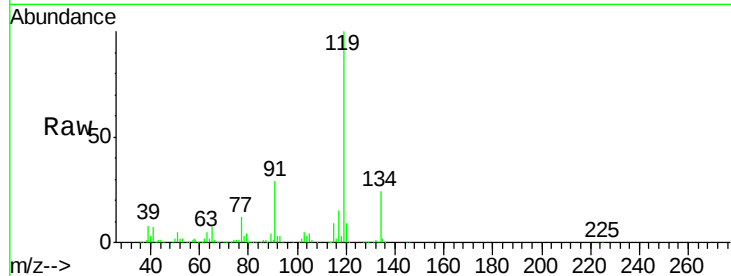
#69
 p-Isopropyltoluene
 Concen: 1.068 ppbv
 RT: 17.80 min Scan# 4624
 Delta R.T. -0.00 min
 Lab File: VL033616.D
 Acq: 1 May 2019 13:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:	119	Resp:	440413
Ion Ratio		Lower	Upper
119	100		
134	24.3	20.2	30.2
91	30.8	23.3	34.9

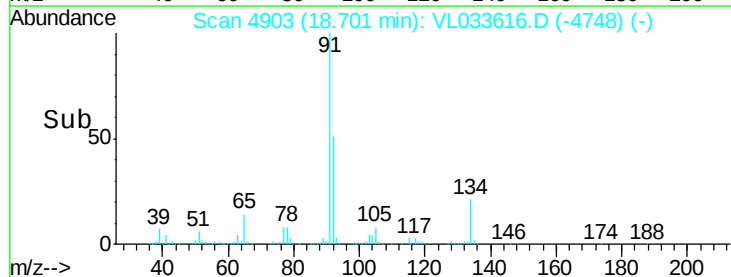
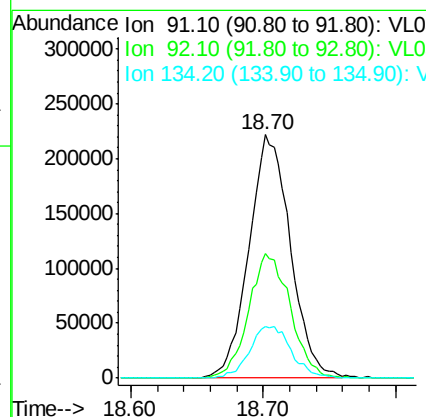
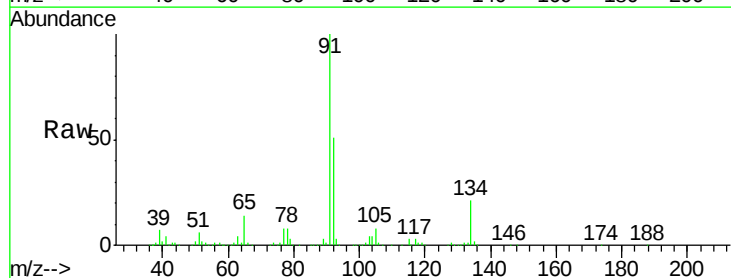
Manual Integrations
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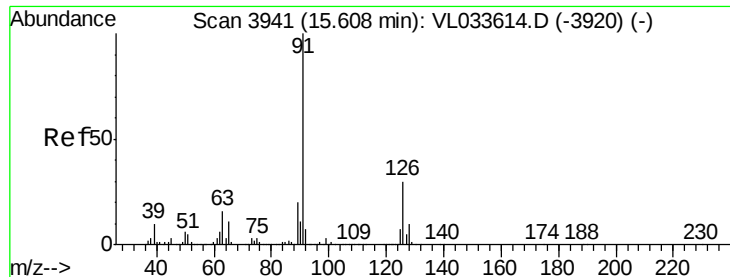
MMDadoda
 5/4/2019 7:17:24 AM



#70
 n-Butylbenzene
 Concen: 1.073 ppbv
 RT: 18.70 min Scan# 4903
 Delta R.T. -0.00 min
 Lab File: VL033616.D
 Acq: 1 May 2019 13:13

Tgt Ion:	91	Resp:	481310
Ion Ratio		Lower	Upper
91	100		
92	51.8	42.6	64.0
134	21.6	18.0	27.0





#71

2-Chlorotoluene

Concen: 1.096 ppbv

RT: 15.61 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 309466

Ion Ratio Lower Upper

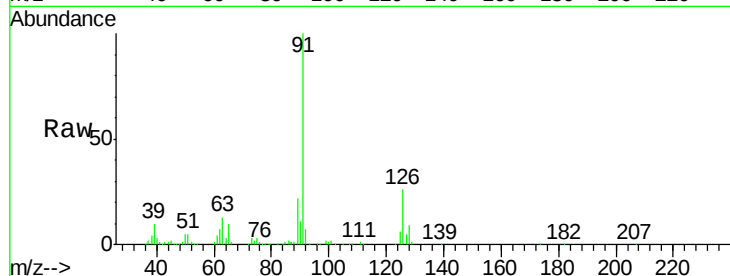
91 100

126 29.4 11.9 47.7

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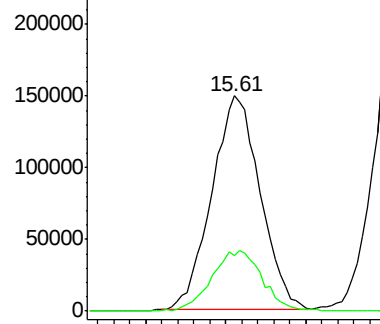
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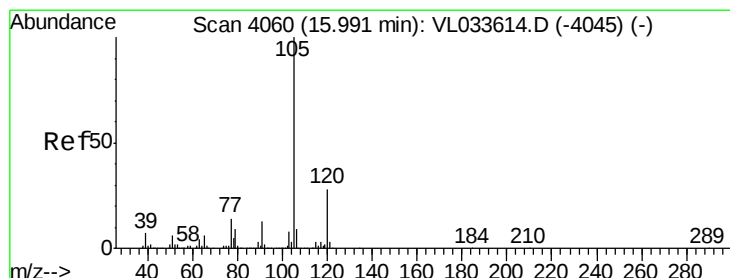
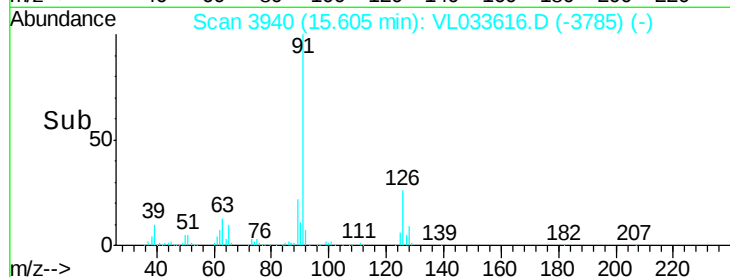


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



Time-->



#72

4-Ethyltoluene

Concen: 1.114 ppbv

RT: 15.99 min Scan# 4060

Delta R.T. 0.00 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Tgt Ion:105 Resp: 358285

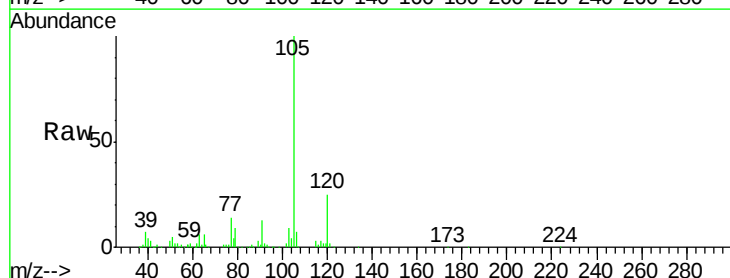
Ion Ratio Lower Upper

105 100

120 28.9 23.2 34.8

91 15.8 10.3 15.5#

77 14.1 11.0 16.6

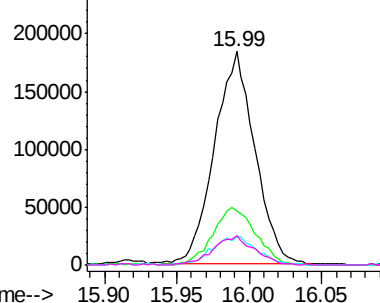


Abundance Ion 105.10 (104.80 to 105.80): V

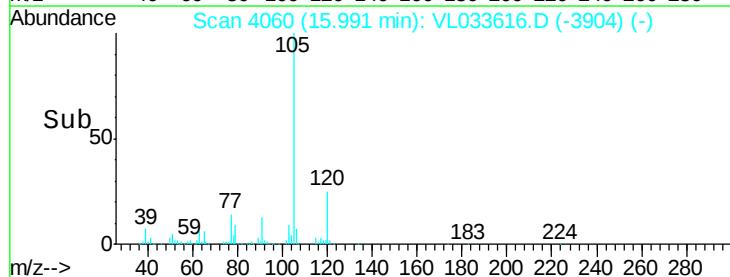
Ion 120.20 (119.90 to 120.90): V

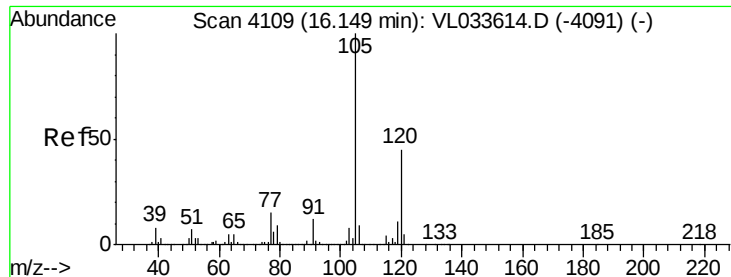
Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



Time-->





#73

1,3,5-Trimethylbenzene

Concen: 1.108 ppbv

RT: 16.15 min Scan# 4109

Delta R.T. 0.00 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 350448

Ion Ratio Lower Upper

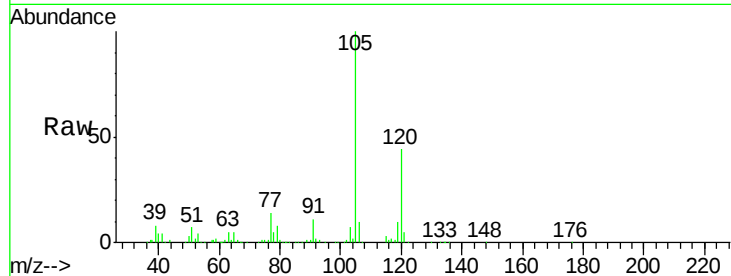
105 100

120 43.8 36.2 54.2

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

200000

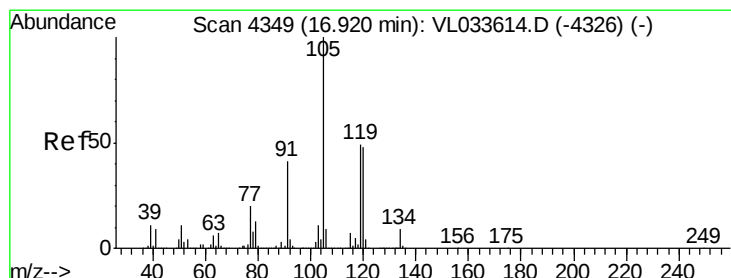
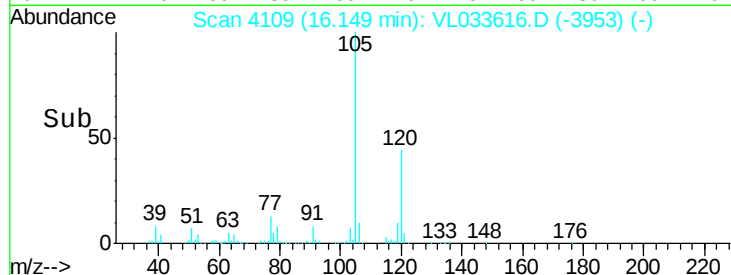
150000

100000

50000

0

Time--> 16.05 16.10 16.15 16.20



#74

1,2,4-Trimethylbenzene

Concen: 1.113 ppbv m

RT: 16.91 min Scan# 4345

Delta R.T. -0.01 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Tgt Ion:105 Resp: 392360

Ion Ratio Lower Upper

105 100

120 46.4 38.4 57.6

91 68.4 33.0 49.4#

77 24.7 16.2 24.2#

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

250000

200000

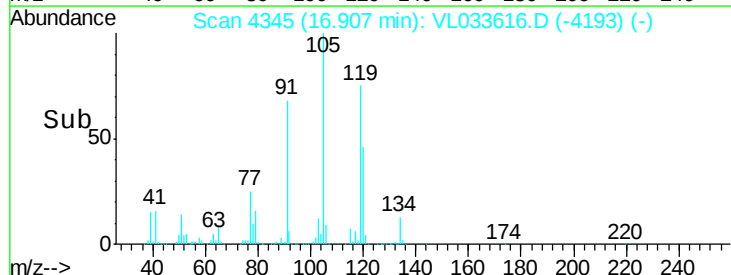
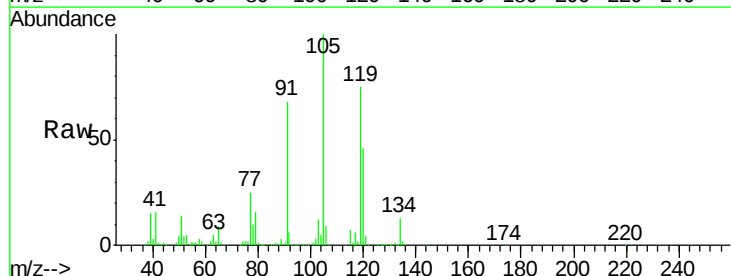
150000

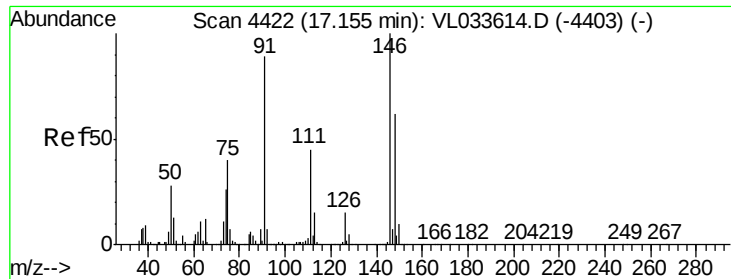
100000

50000

0

Time--> 16.80 16.90 17.00





#75

1,3-Dichlorobenzene

Concen: 1.118 ppbv

RT: 17.15 min Scan# 4421

Delta R.T. -0.00 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Instrument :

MSVOA_L

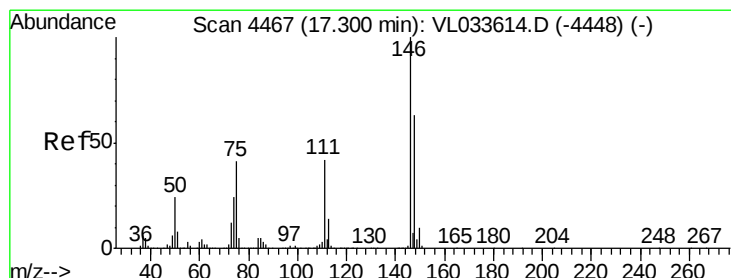
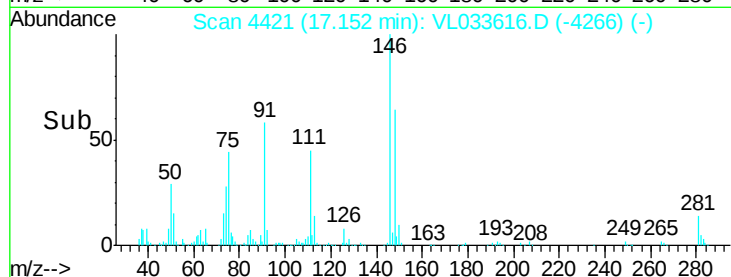
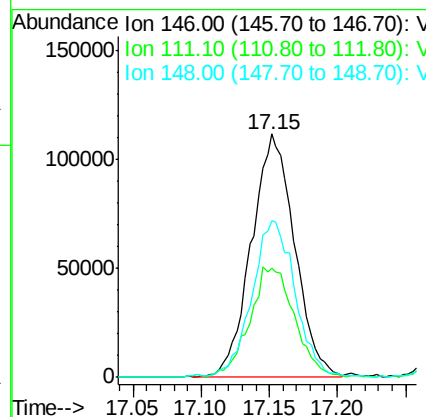
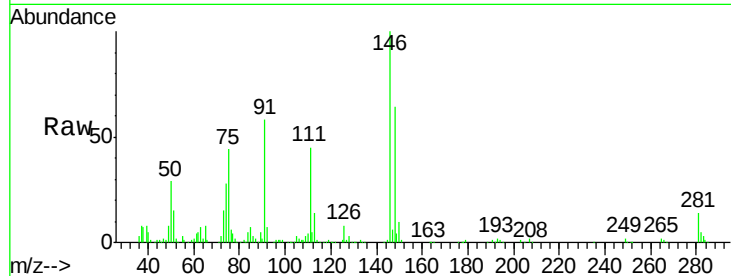
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	245238
Ion Ratio	Lower	Upper	
146	100		
111	47.5	22.4	67.2
148	64.9	32.0	96.0

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 1.062 ppbv

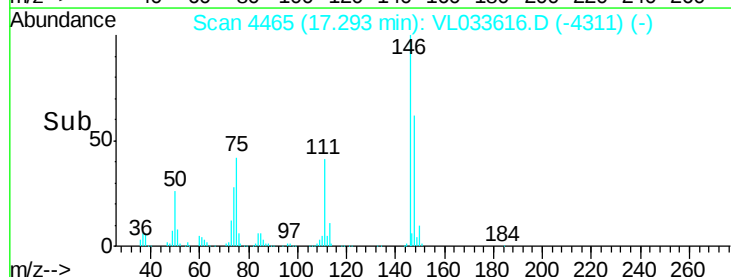
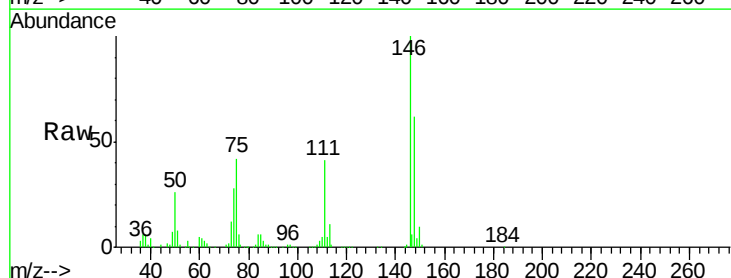
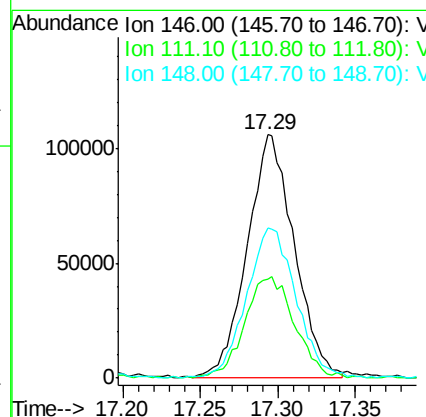
RT: 17.29 min Scan# 4465

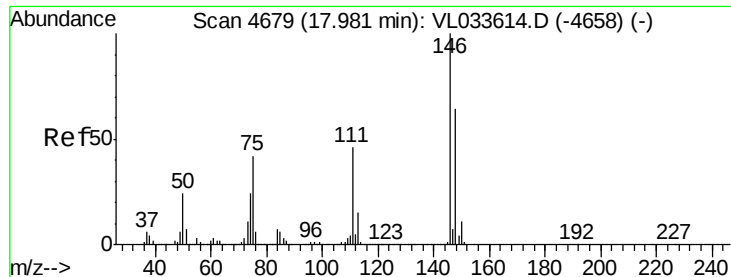
Delta R.T. -0.01 min

Lab File: VL033616.D

Acq: 1 May 2019 13:13

Tgt Ion:	146	Resp:	222354
Ion Ratio	Lower	Upper	
146	100		
111	45.2	21.6	65.0
148	65.8	32.3	96.9





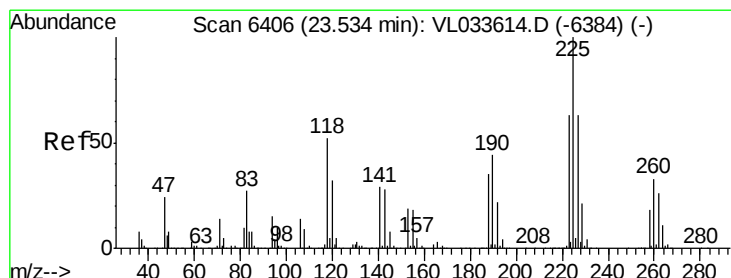
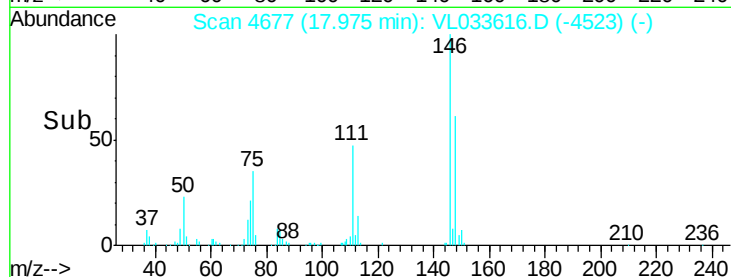
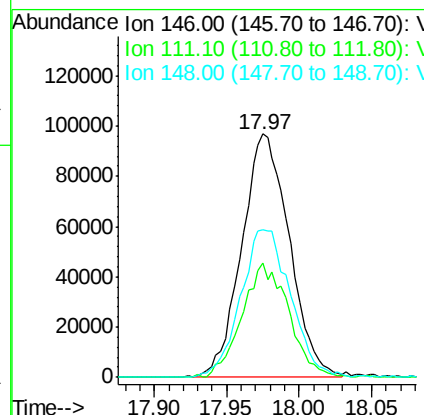
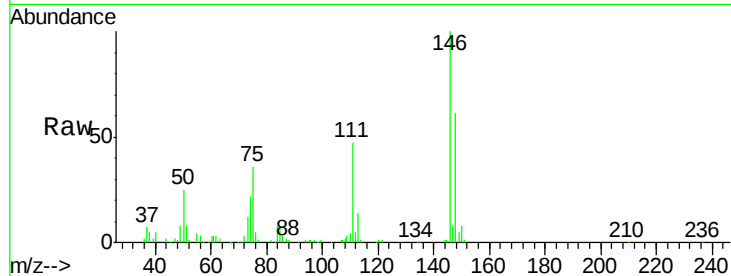
#77
 1,2-Dichlorobenzene
 Concen: 1.069 ppbv
 RT: 17.97 min Scan# 4677
 Delta R.T. -0.01 min
 Lab File: VL033616.D
 Acq: 1 May 2019 13:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.3	69.9
148	64.9	32.2	96.6

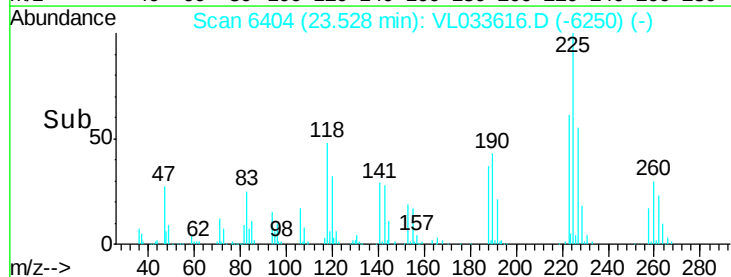
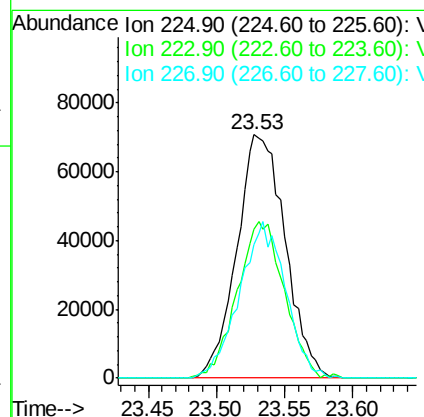
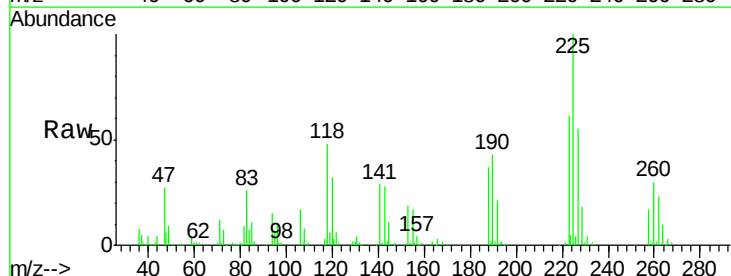
Manual Integrations
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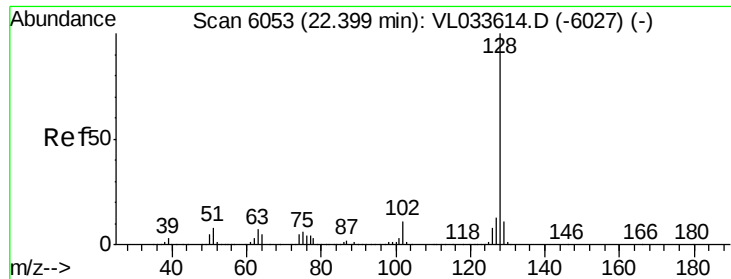
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#78
 Hexachloro-1,3-Butadiene
 Concen: 1.118 ppbv
 RT: 23.53 min Scan# 6404
 Delta R.T. -0.01 min
 Lab File: VL033616.D
 Acq: 1 May 2019 13:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.4	75.6
227	61.1	50.7	76.1





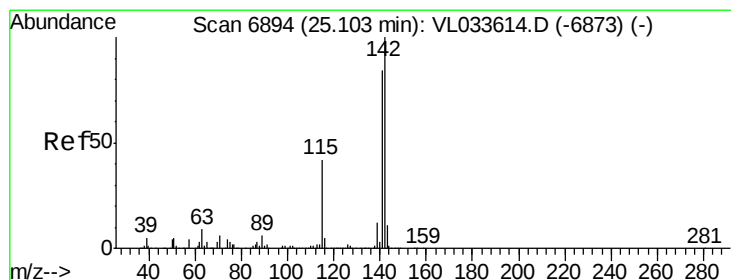
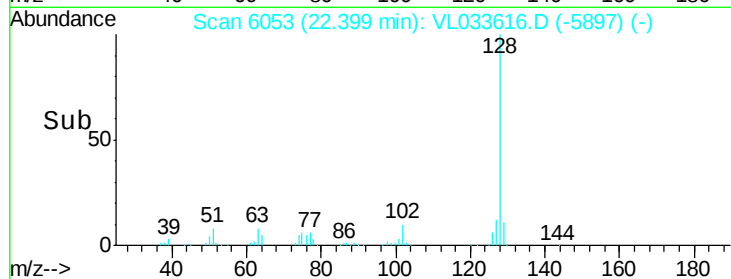
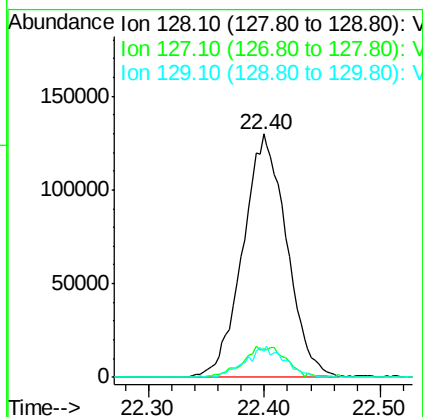
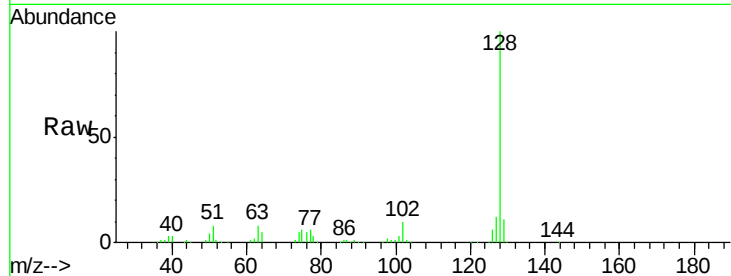
#79
Naphthalene
Concen: 1.045 ppbv
RT: 22.40 min Scan# 6053
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
128	100	340414		
127	11.5	10.6	16.0	
129	11.1	8.6	13.0	

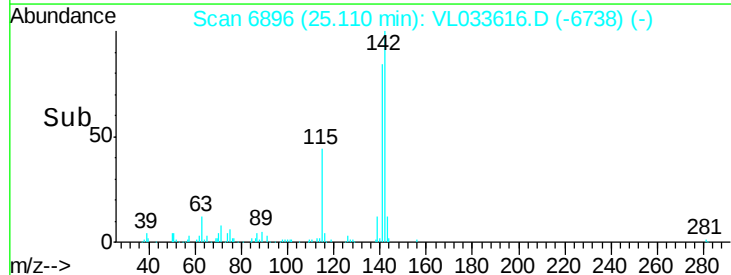
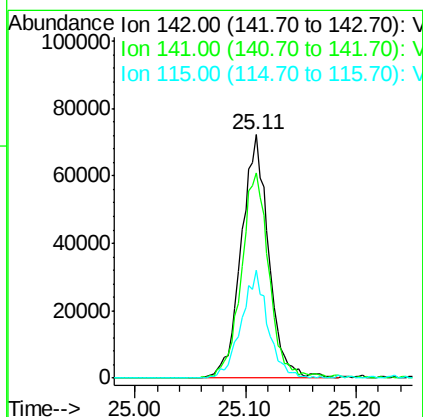
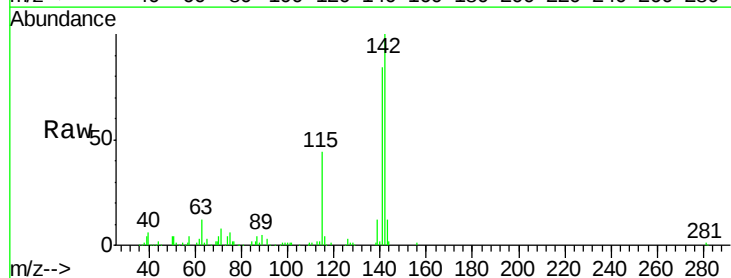
Manual Integrations
APPROVED

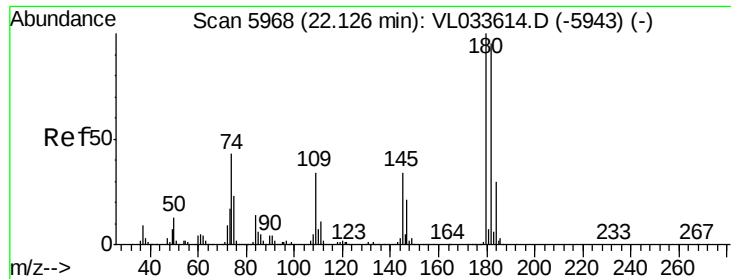
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#80
Naphthalene, 2-methyl-
Concen: 0.879 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. 0.01 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	124171		
141	85.1	67.3	100.9	
115	42.8	33.8	50.8	





#81
 1,2,4-Trichlorobenzene
 Concen: 1.098 ppbv m
 RT: 22.13 min Scan# 5968
 Delta R.T. 0.00 min
 Lab File: VL033616.D
 Acq: 1 May 2019 13:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.7	76.2	114.2
184	30.6	24.5	36.7

Manual Integrations
 APPROVED

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