

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012819\
 Data File : VL033116.D
 Acq On : 28 Jan 2019 16:59
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

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 1/29/2019 2:36:06 PM

Quant Time: Jan 29 06:09:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL012819AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 29 2019
 QLast Update : Mon Jan 28 16:32:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1100797	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2817633	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3227685	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2682202	10.84	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.07	85	298371	1.456 ppbv	99
3) Chlorodifluoromethane	3.01	51	157454	1.264 ppbv	98
4) Chloromethane	3.17	50	89543	1.255 ppbv	96
5) Vinyl Chloride	3.29	62	88230	1.224 ppbv	93
6) Bromomethane	3.51	94	59083	1.207 ppbv	93
7) Chloroethane	3.60	64	33637	1.193 ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	237674	1.347 ppbv	100
9) Propene	3.03	41	57893	1.244 ppbv	99
10) Heptane	8.24	43	173105	1.306 ppbv	100
11) Trichlorofluoromethane	4.00	101	254416	1.124 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	174759	1.221 ppbv	99
13) Ethanol	3.65	45	25620m	1.380 ppbv	
14) Bromoethene	3.78	108	73300	1.159 ppbv	100
15) Acetone	3.90	43	171856	1.128 ppbv	96
16) 1,3-Butadiene	3.36	39	63836	1.111 ppbv	98
17) tert-Butyl alcohol	4.37	59	37726m	1.169 ppbv	
18) 1,1-Dichloroethene	4.35	96	77398	1.174 ppbv	93
19) Isopropyl Alcohol	4.03	45	115425	1.100 ppbv	# 96
20) Methylene Chloride	4.40	84	81607	1.285 ppbv	97
21) Allyl Chloride	4.47	41	110696	1.172 ppbv	97
22) trans-1,2-Dichloroethene	4.96	96	74996	1.147 ppbv	90
23) Vinyl Acetate	5.15	43	206903	1.067 ppbv	# 97
24) 1,1-Dichloroethane	5.09	63	187117	1.137 ppbv	98
25) Ethyl Acetate	5.77	43	283573	1.101 ppbv	99
26) Hexane	5.78	57	140686	1.160 ppbv	96
27) Carbon Disulfide	4.62	76	172118	1.151 ppbv	96
28) Methyl tert-Butyl Ether	5.12	73	207317	1.095 ppbv	99
29) Chloroform	5.84	83	232403	1.125 ppbv	92
30) Cyclohexane	7.25	84	94271	1.043 ppbv	93
31) cis-1,2-Dichloroethene	5.63	61	119677	1.063 ppbv	# 86
32) 1,1,1-Trichloroethane	6.61	97	318596	1.519 ppbv	99
34) 2-Butanone	5.33	43	171621	1.048 ppbv	99
35) Carbon Tetrachloride	7.13	117	251001	1.037 ppbv	98
36) Benzene	7.00	78	251882	1.091 ppbv	99
37) 1,2-Dichloroethane	6.41	62	216515	1.344 ppbv	99
38) Trichloroethene	7.96	130	122438	1.290 ppbv	95
39) 1,2-Dichloropropane	7.73	63	106866	1.233 ppbv	93
40) 1,4-Dioxane	7.98	88	42378m	1.288 ppbv	
41) Tetrahydrofuran	6.16	42	84355	1.012 ppbv	98
42) Bromodichloromethane	7.91	83	277732	1.255 ppbv	99
43) Methyl Methacrylate	8.14	69	106701m	1.232 ppbv	

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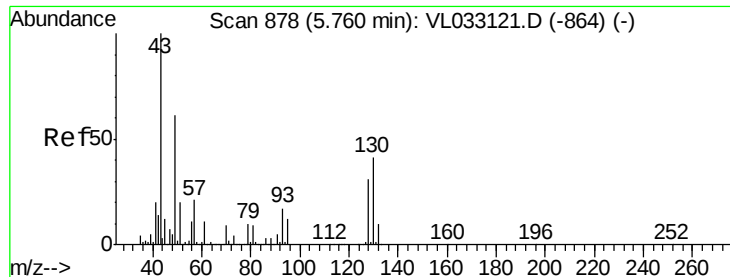
Manual Integrations
 APPROVED

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Quant Time: Jan 29 06:09:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL012819AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 29 2019
 QLast Update : Mon Jan 28 16:32:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	512199	1.310	ppbv	98
45) t-1,3-Dichloropropene	9.41	75	118769	1.102	ppbv	98
46) cis-1,3-Dichloropropene	8.83	75	145380	1.182	ppbv	97
47) 1,1,2-Trichloroethane	9.61	97	136924	1.352	ppbv	93
48) Dibromochloromethane	10.45	129	233680	1.306	ppbv	98
49) Bromoform	13.20	173	200949	1.285	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	276240	1.332	ppbv	96
51) 2-Hexanone	10.29	43	176137	1.173	ppbv #	95
52) Tetrachloroethene	11.37	164	104155	1.277	ppbv	95
53) Toluene	9.95	91	302147	1.222	ppbv	98
54) 1,2-Dibromoethane	10.75	107	188891	1.294	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.27	131	183890m	1.103	ppbv	
57) Chlorobenzene	12.29	112	295005	1.095	ppbv #	96
58) Ethyl Benzene	12.86	91	405778	0.996	ppbv	98
59) m/p-Xylene	13.14	91	798833m	2.119	ppbv	
60) o-Xylene	13.85	91	423351	1.147	ppbv	98
61) Styrene	13.69	104	244054	1.036	ppbv	98
62) Isopropylbenzene	14.82	105	600617	1.144	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.83	83	332513	1.213	ppbv	99
64) n-propylbenzene	15.72	120	140195	1.051	ppbv	91
65) tert-Butylbenzene	16.91	119	515593	1.108	ppbv	94
66) Benzyl Chloride	17.15	91	269938m	1.018	ppbv	
67) sec-Butylbenzene	17.45	105	731974	1.099	ppbv	99
69) p-Isopropyltoluene	17.81	119	591252	1.094	ppbv	98
70) n-Butylbenzene	18.72	91	578858	1.066	ppbv	97
71) 2-Chlorotoluene	15.61	91	362192	0.972	ppbv	100
72) 4-Ethyltoluene	16.00	105	406875	1.003	ppbv	97
73) 1,3,5-Trimethylbenzene	16.16	105	428011	1.070	ppbv	95
74) 1,2,4-Trimethylbenzene	16.92	105	476306	1.075	ppbv	95
75) 1,3-Dichlorobenzene	17.17	146	296321m	1.136	ppbv	
76) 1,4-Dichlorobenzene	17.31	146	254685	1.072	ppbv	98
77) 1,2-Dichlorobenzene	17.99	146	258419	1.100	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	154132	0.854	ppbv	99
79) Naphthalene	22.41	128	232245m	0.622	ppbv	
80) Naphthalene, 2-methyl-	25.12	142	26288	0.232	ppbv	94
81) 1,2,4-Trichlorobenzene	22.14	180	131034m	0.727	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

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 1100797

Ion Ratio Lower Upper

49 100

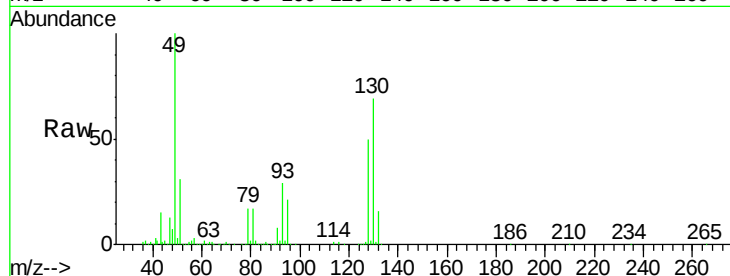
128 52.9 25.9 77.7

130 68.3 32.9 98.7

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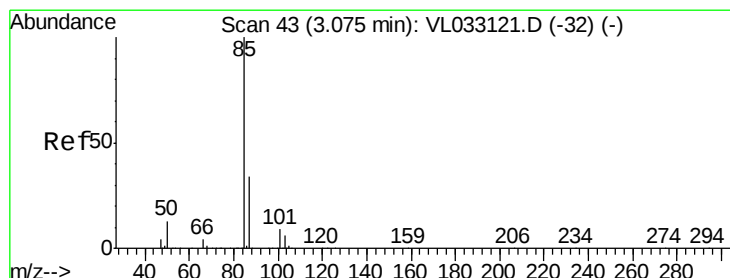
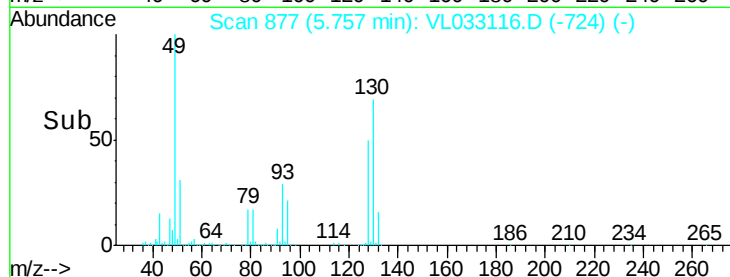
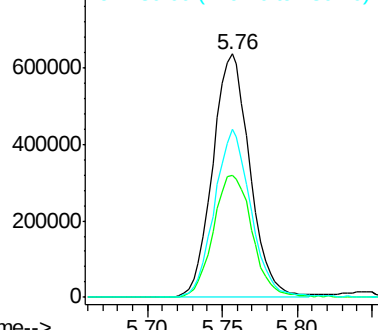
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 1.456 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.00 min

Lab File: VL033116.D

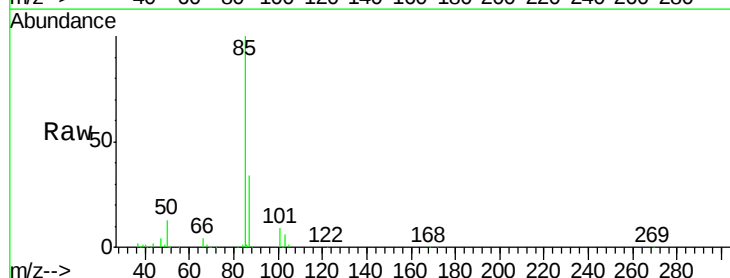
Acq: 28 Jan 2019 16:59

Tgt Ion: 85 Resp: 298371

Ion Ratio Lower Upper

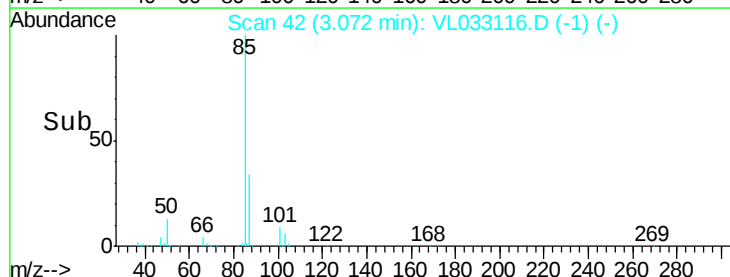
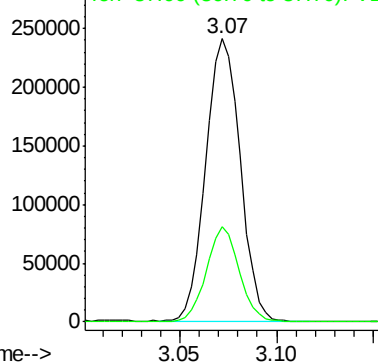
85 100

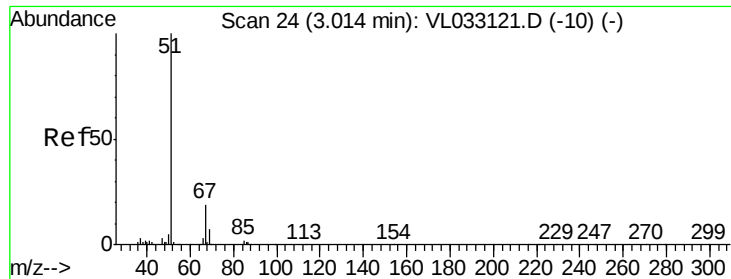
87 33.7 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.264 ppbv

RT: 3.01 min Scan# 23

Delta R.T. -0.00 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 51 Resp: 157454

Ion Ratio Lower Upper

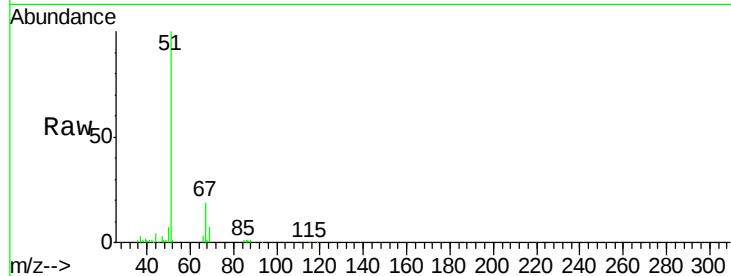
51 100

67 21.0 16.2 24.2

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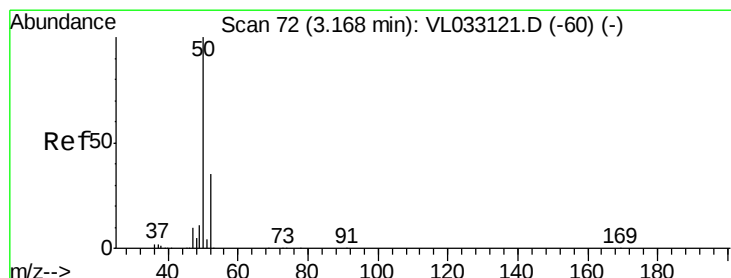
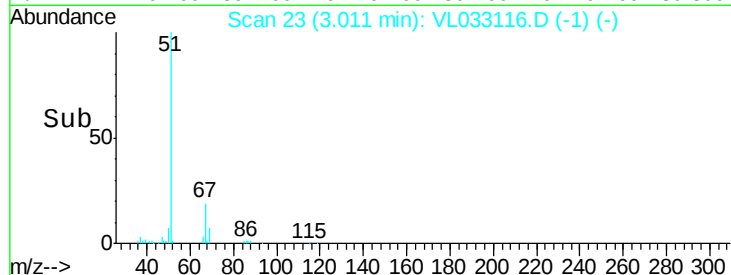
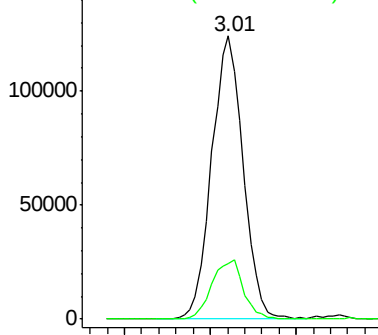
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 1.255 ppbv

RT: 3.17 min Scan# 72

Delta R.T. -0.00 min

Lab File: VL033116.D

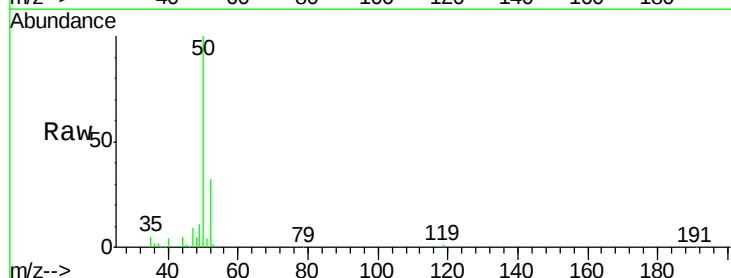
Acq: 28 Jan 2019 16:59

Tgt Ion: 50 Resp: 89543

Ion Ratio Lower Upper

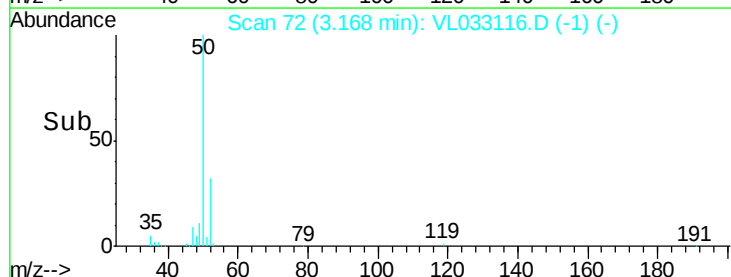
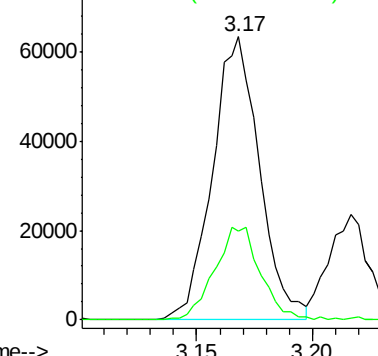
50 100

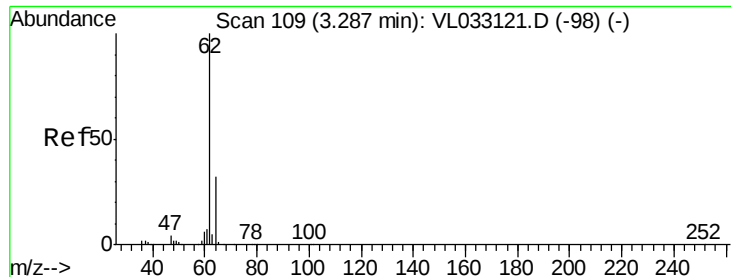
52 31.6 27.0 40.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 1.224 ppbv

RT: 3.29 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 88230

Ion Ratio Lower Upper

62 100

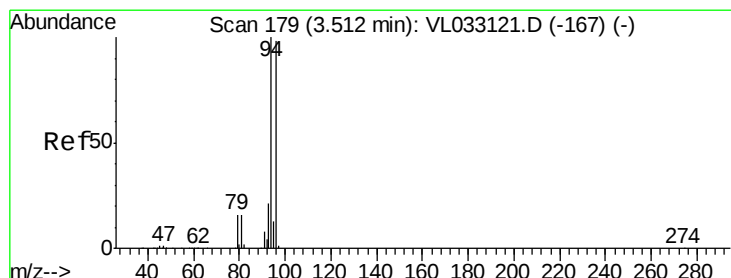
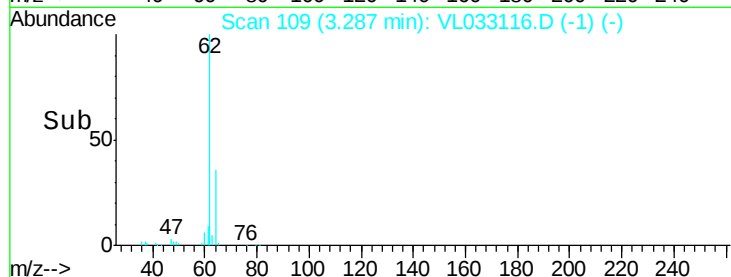
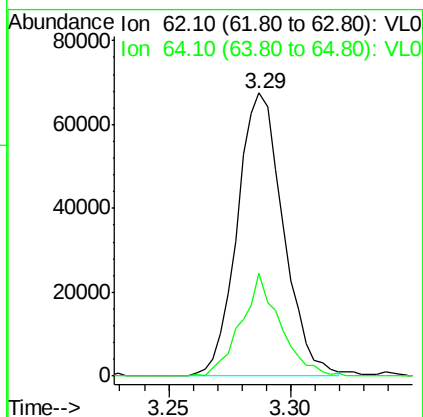
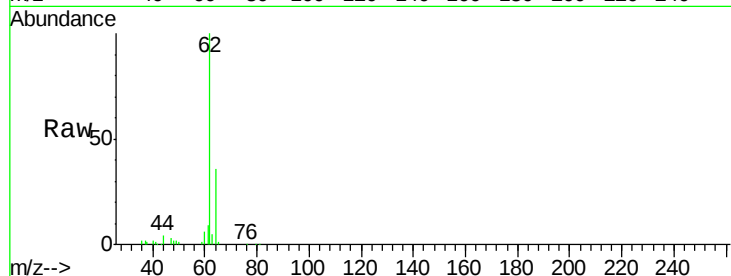
64 36.2 25.7 38.5

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#6

Bromomethane

Concen: 1.207 ppbv

RT: 3.51 min Scan# 178

Delta R.T. -0.00 min

Lab File: VL033116.D

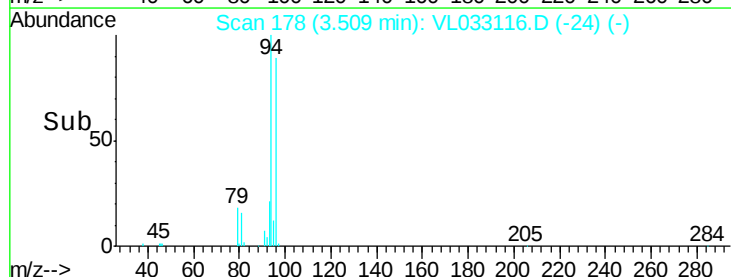
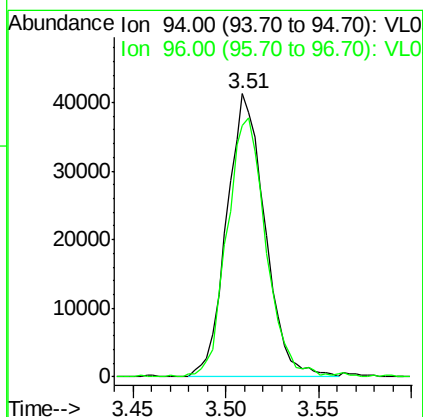
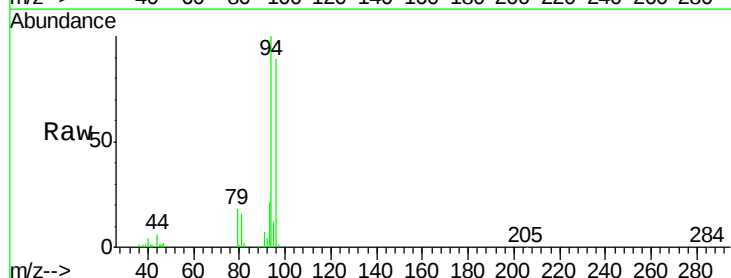
Acq: 28 Jan 2019 16:59

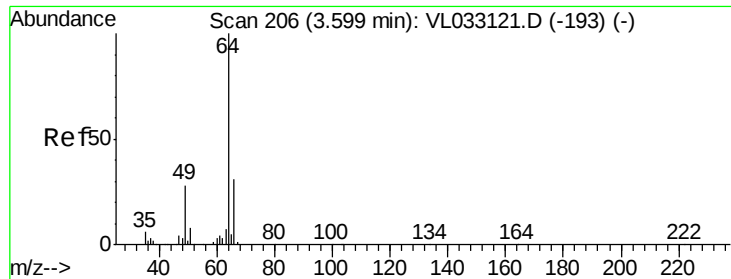
Tgt Ion: 94 Resp: 59083

Ion Ratio Lower Upper

94 100

96 88.0 75.4 113.2





#7

Chloroethane

Concen: 1.193 ppbv

RT: 3.60 min Scan# 205

Delta R.T. -0.00 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 33637

Ion Ratio Lower Upper

64 100

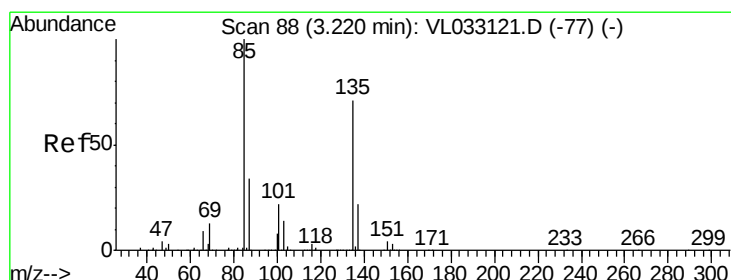
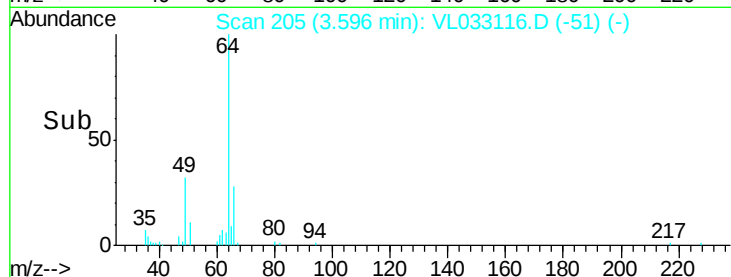
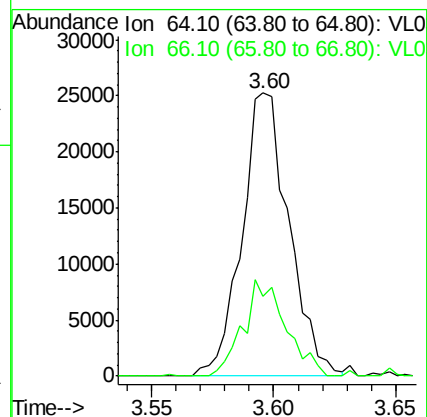
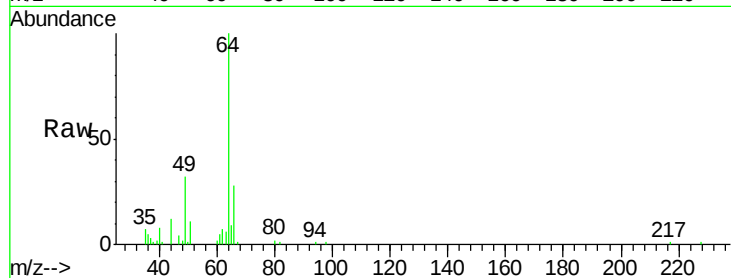
66 28.4 24.0 36.0

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#8

Dichlorotetrafluoroethane

Concen: 1.347 ppbv

RT: 3.22 min Scan# 87

Delta R.T. -0.00 min

Lab File: VL033116.D

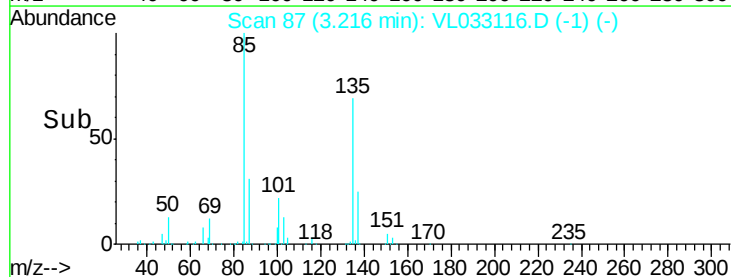
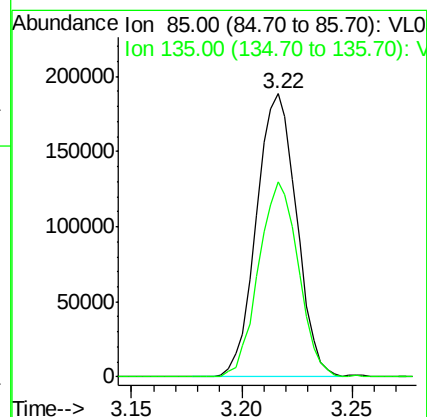
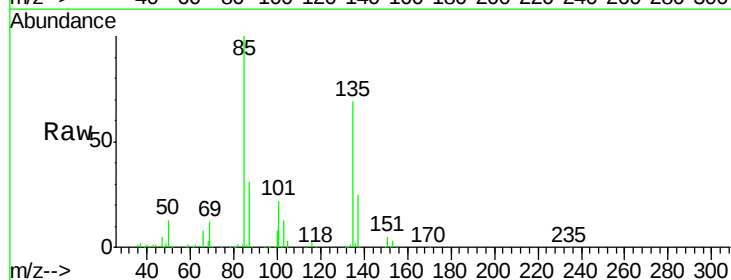
Acq: 28 Jan 2019 16:59

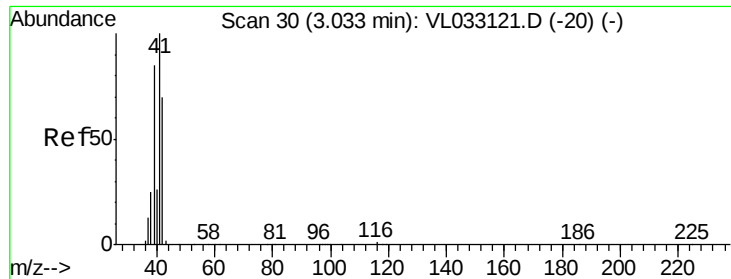
Tgt Ion: 85 Resp: 237674

Ion Ratio Lower Upper

85 100

135 68.5 54.8 82.2





#9

Propene

Concen: 1.244 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.01 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 57893

Ion Ratio Lower Upper

41 100

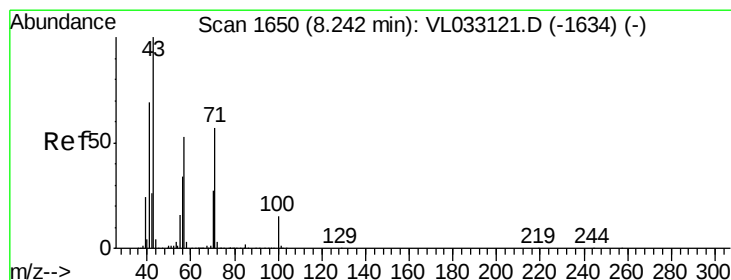
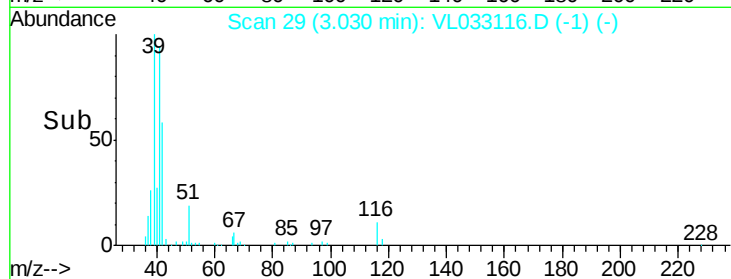
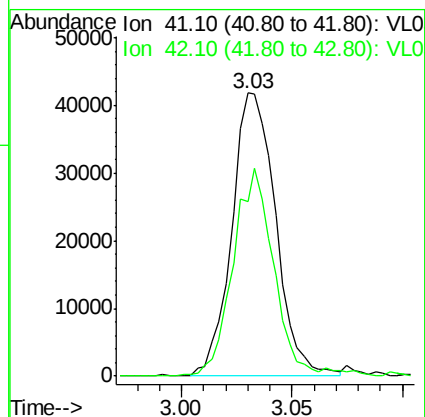
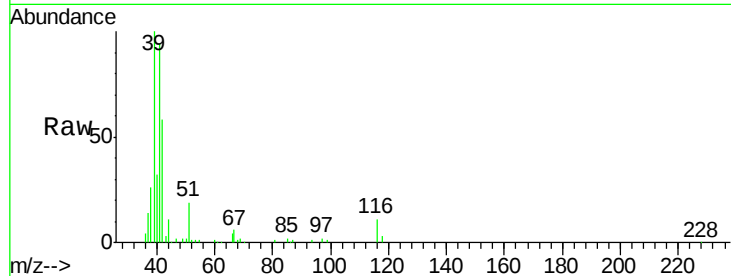
42 68.7 54.6 82.0

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#10

Heptane

Concen: 1.306 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VL033116.D

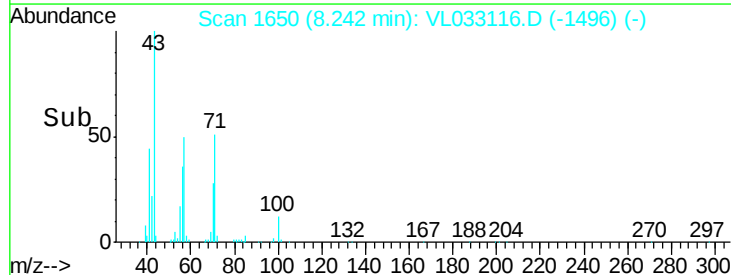
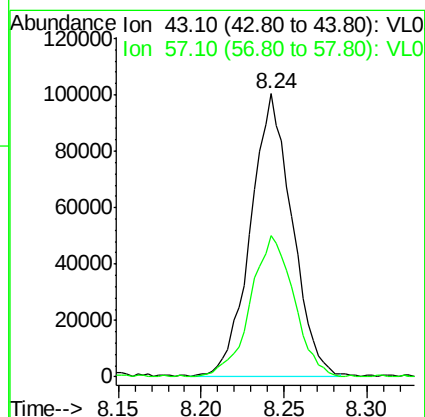
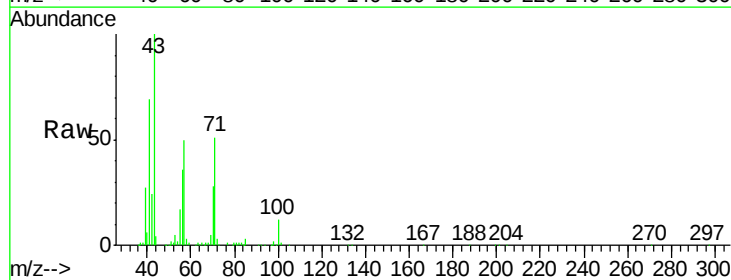
Acq: 28 Jan 2019 16:59

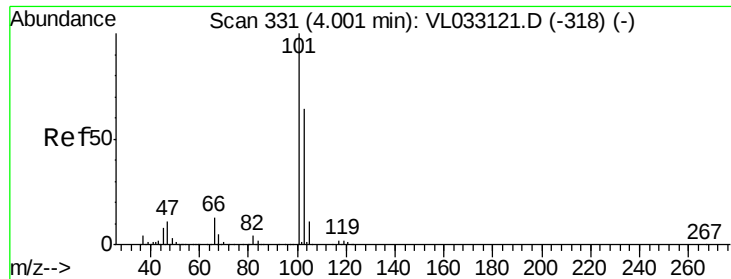
Tgt Ion: 43 Resp: 173105

Ion Ratio Lower Upper

43 100

57 52.7 42.2 63.2





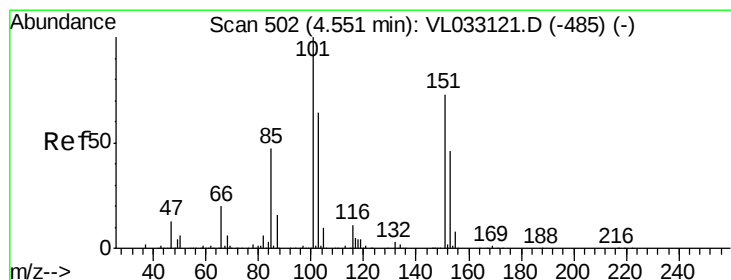
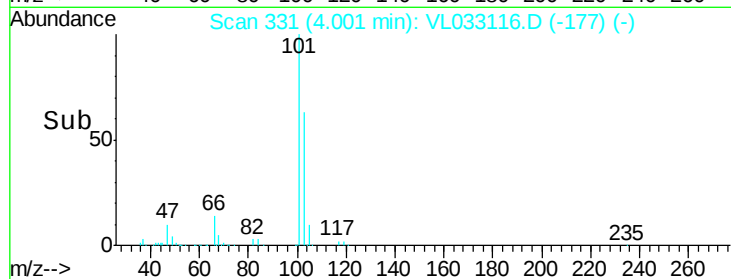
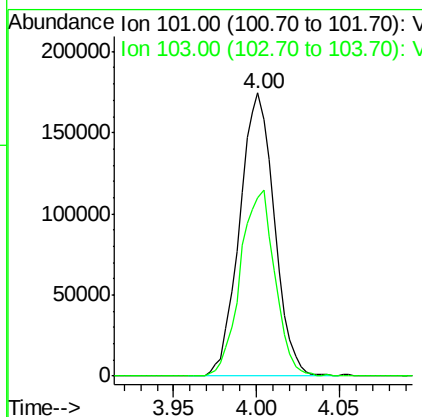
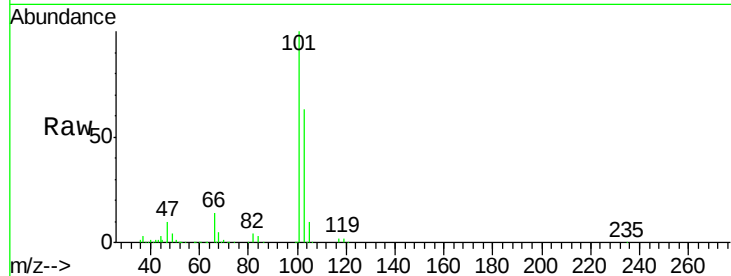
#11
 Trichlorofluoromethane
 Concen: 1.124 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. -0.00 min
 Lab File: VL033116.D
 Acq: 28 Jan 2019 16:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	49.4	74.0

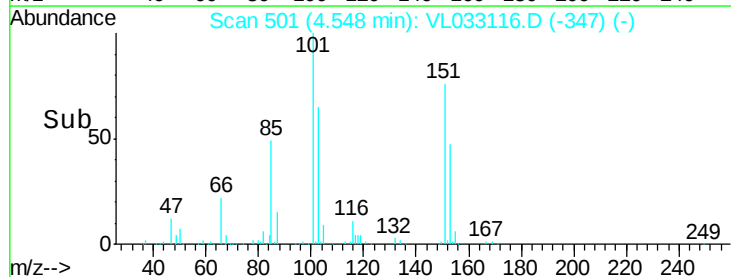
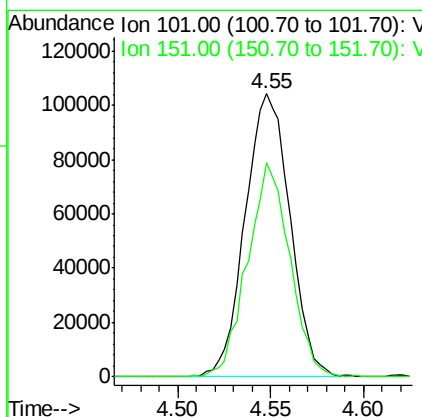
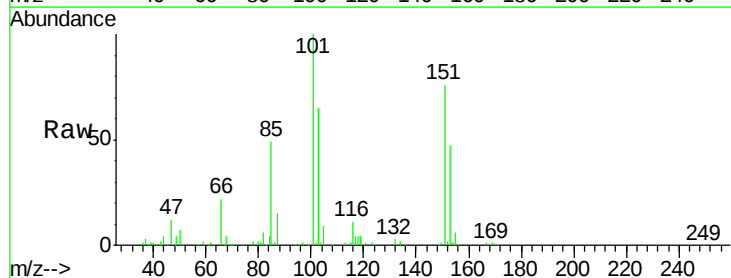
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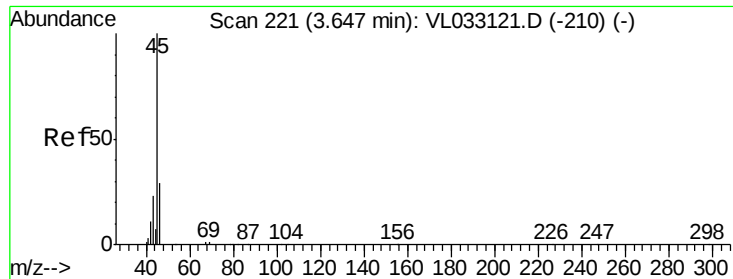
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.221 ppbv
 RT: 4.55 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VL033116.D
 Acq: 28 Jan 2019 16:59

Tgt Ion	Ratio	Lower	Upper
101	100		
151	71.4	57.9	86.9





#13

Ethanol

Concen: 1.380 ppbv m

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 25620

Ion Ratio Lower Upper

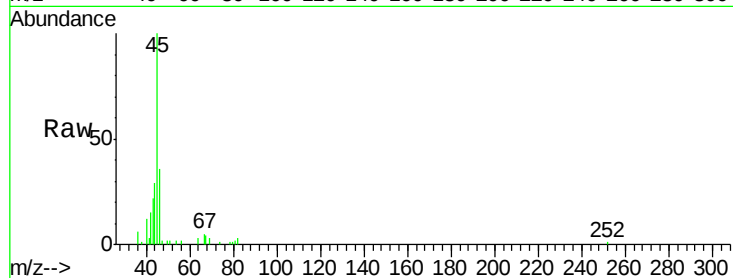
45 100

46 38.0 15.0 60.2

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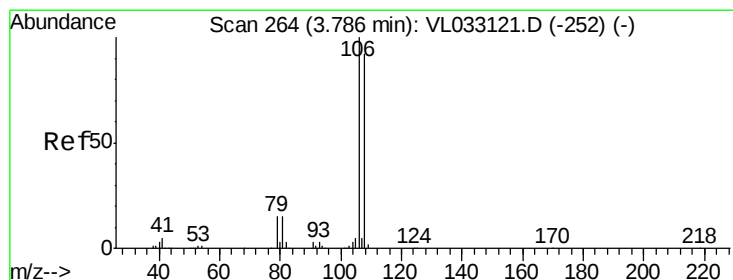
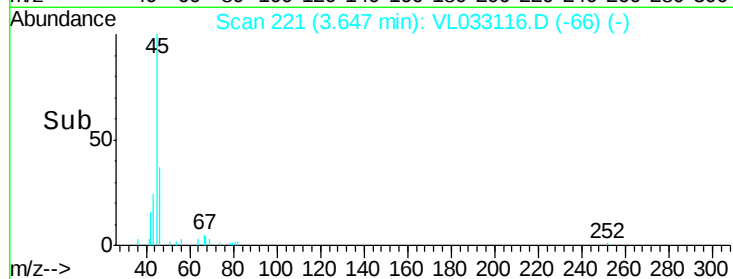
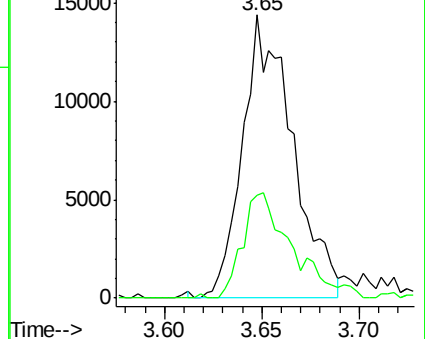
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 1.159 ppbv

RT: 3.78 min Scan# 263

Delta R.T. -0.00 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

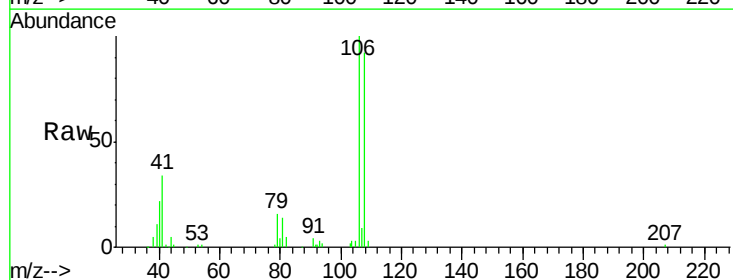
Tgt Ion: 108 Resp: 73300

Ion Ratio Lower Upper

108 100

106 106.7 85.5 128.3

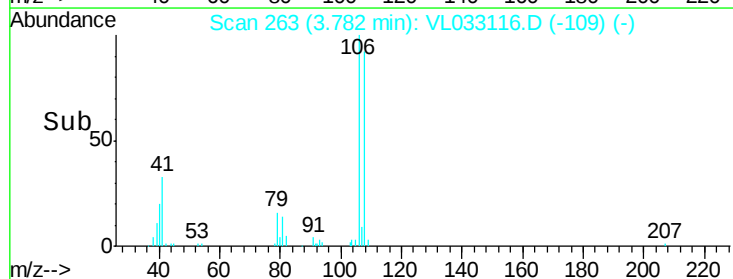
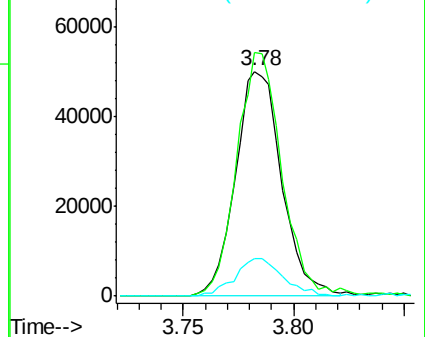
79 17.6 13.8 20.6

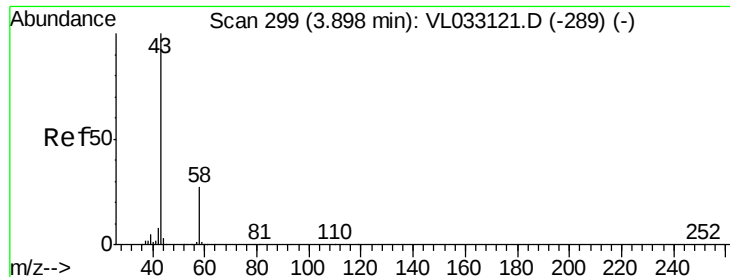


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 1.128 ppbv

RT: 3.90 min Scan# 301

Delta R.T. 0.01 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 171856

Ion Ratio Lower Upper

43 100

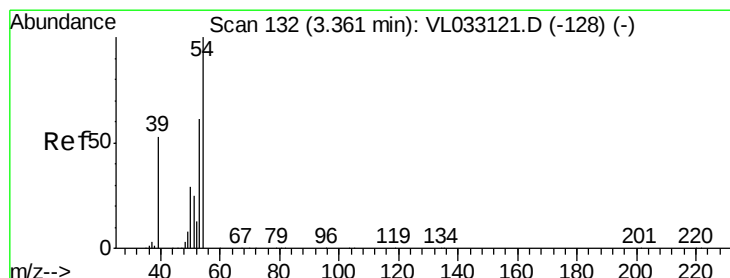
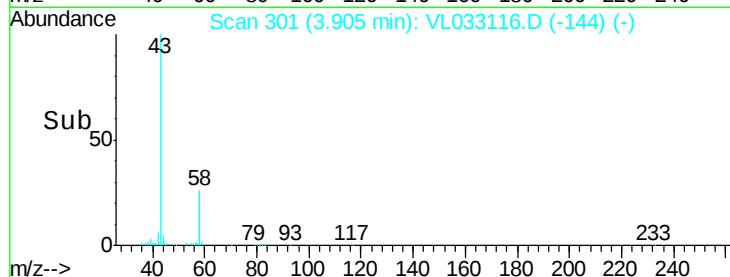
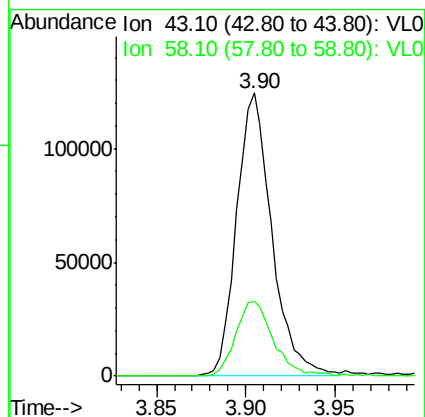
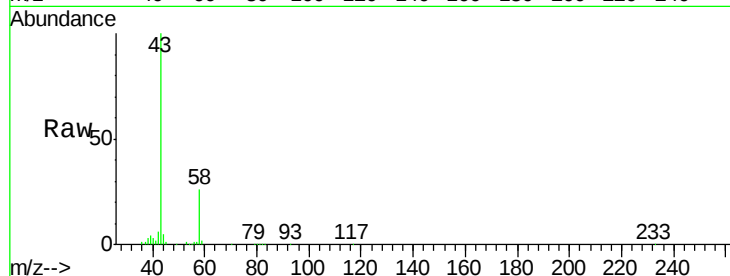
58 28.6 21.1 31.7

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#16

1,3-Butadiene

Concen: 1.111 ppbv

RT: 3.36 min Scan# 131

Delta R.T. -0.00 min

Lab File: VL033116.D

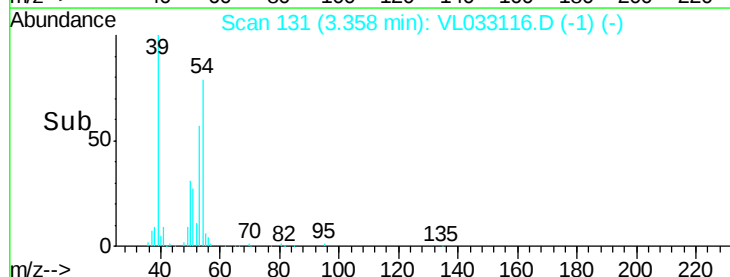
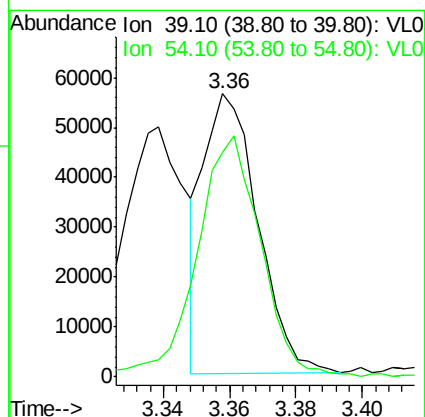
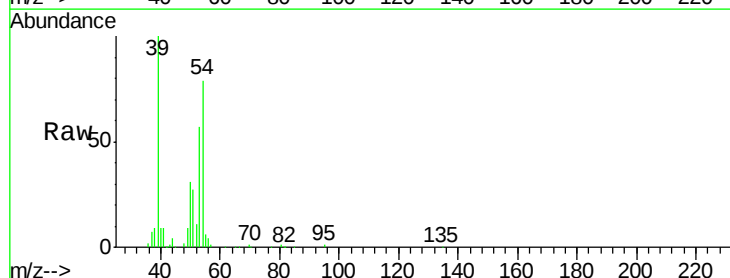
Acq: 28 Jan 2019 16:59

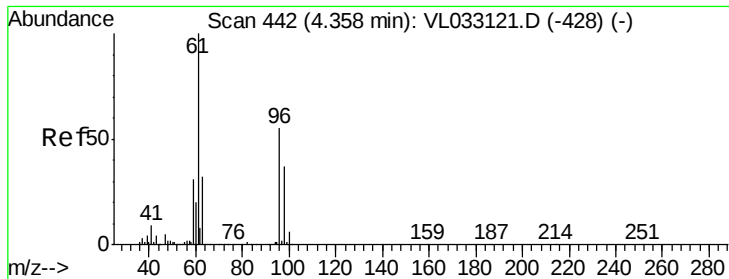
Tgt Ion: 39 Resp: 63836

Ion Ratio Lower Upper

39 100

54 102.2 80.0 120.0





#17

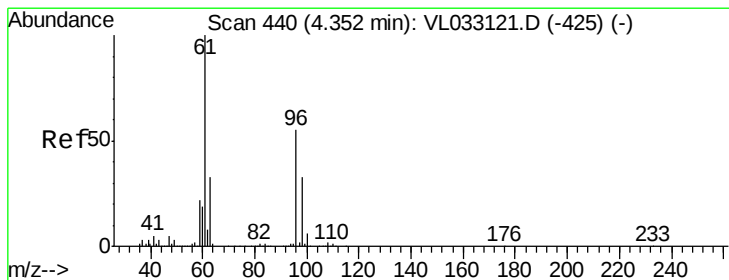
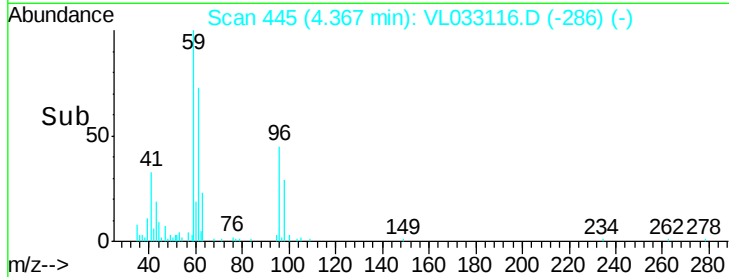
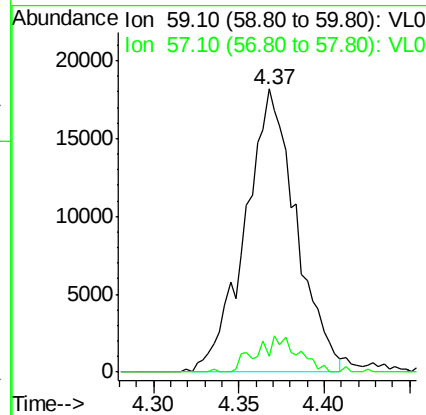
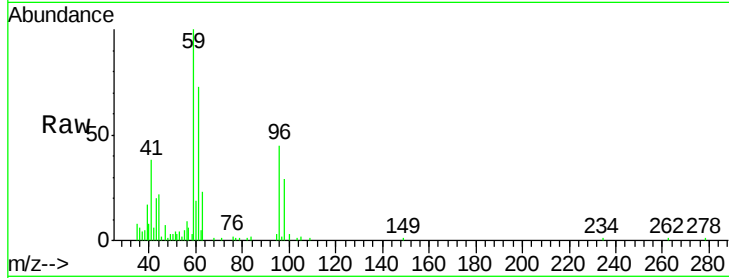
tert-Butyl alcohol
Concen: 1.169 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.01 min
Lab File: VL033116.D
Acq: 28 Jan 2019 16:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 59 Resp: 37726
Ion Ratio Lower Upper
59 100
57 1.1 7.4 11.2#

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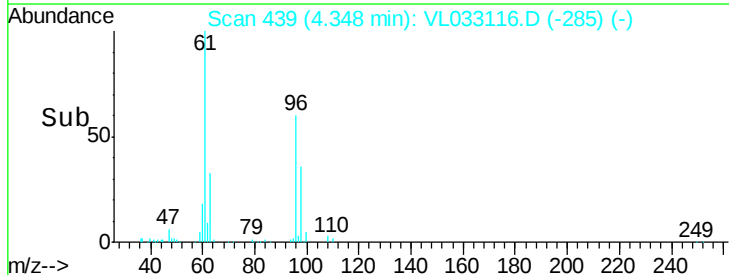
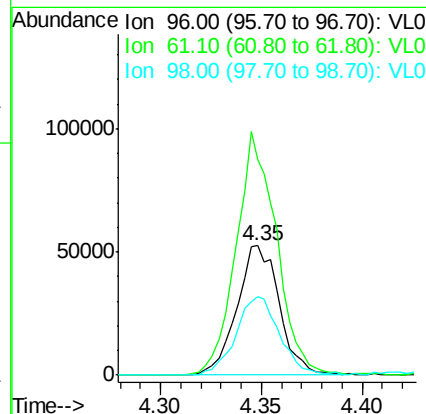
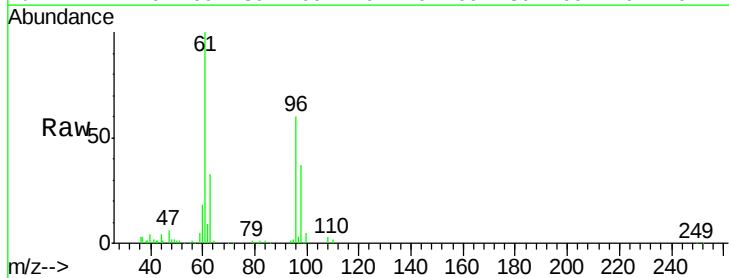
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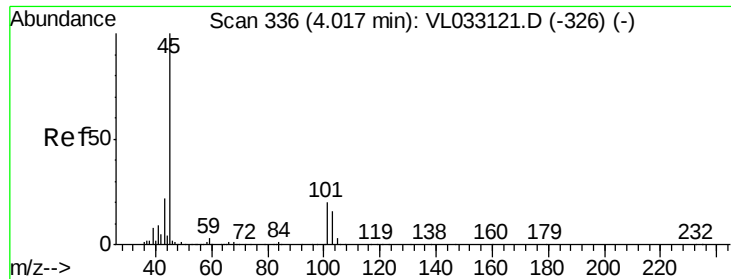


#18

1,1-Dichloroethene
Concen: 1.174 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.00 min
Lab File: VL033116.D
Acq: 28 Jan 2019 16:59

Tgt Ion: 96 Resp: 77398
Ion Ratio Lower Upper
96 100
61 166.1 142.6 213.8
98 61.0 51.4 77.0





#19

Isopropyl Alcohol

Concen: 1.100 ppbv

RT: 4.03 min Scan# 339

Delta R.T. 0.01 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 115425

Ion Ratio Lower Upper

45 100

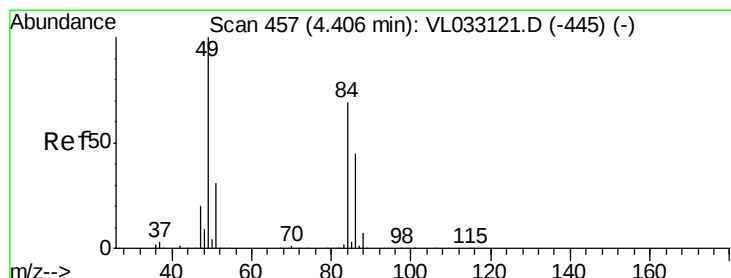
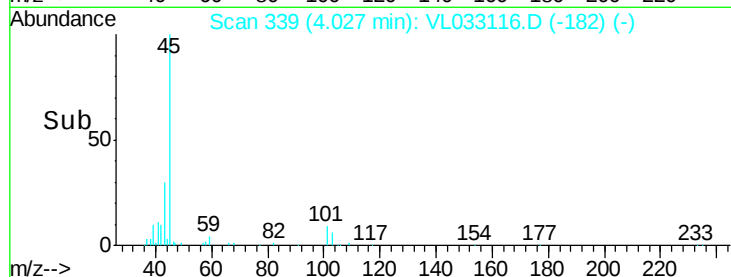
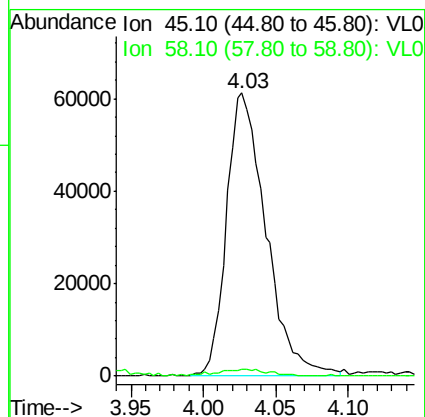
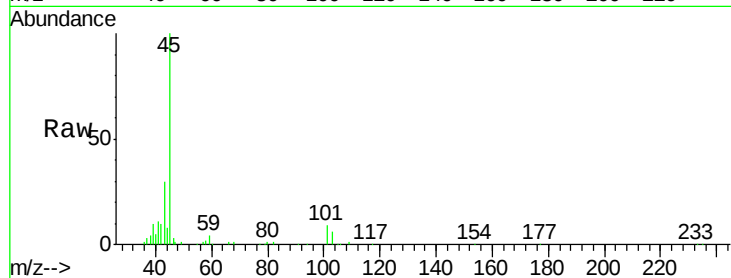
58 3.4 1.4 2.2#

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#20

Methylene Chloride

Concen: 1.285 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.01 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Tgt Ion: 84 Resp: 81607

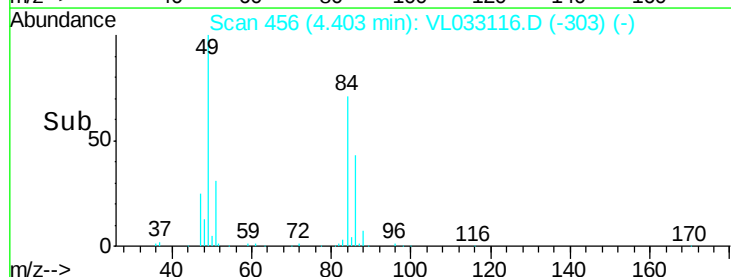
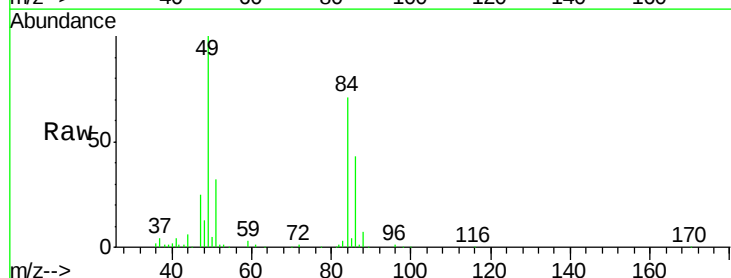
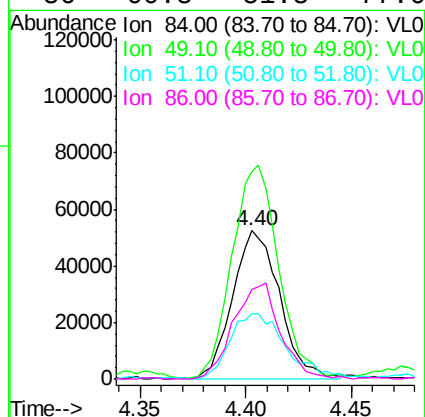
Ion Ratio Lower Upper

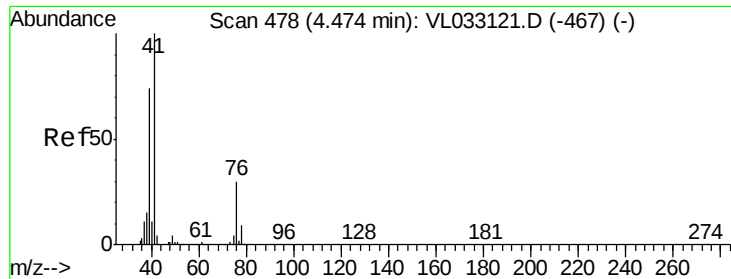
84 100

49 139.0 113.8 170.6

51 44.2 34.5 51.7

86 60.8 51.8 77.6





#21

Allvl Chloride

Concen: 1.172 ppbv

RT: 4.47 min Scan# 477

Delta R.T. -0.01 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Instrument :

MSVOA_L

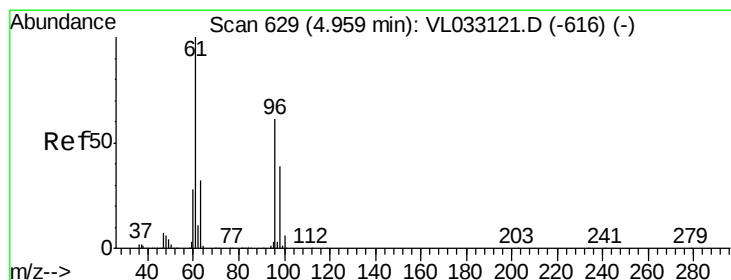
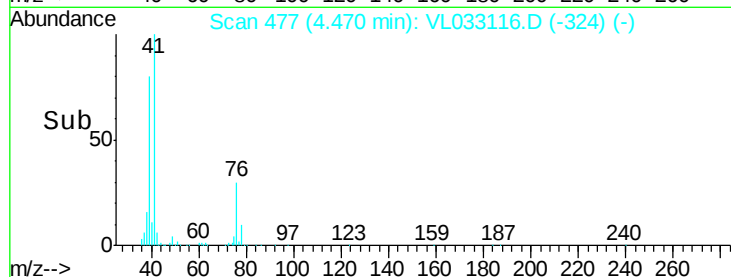
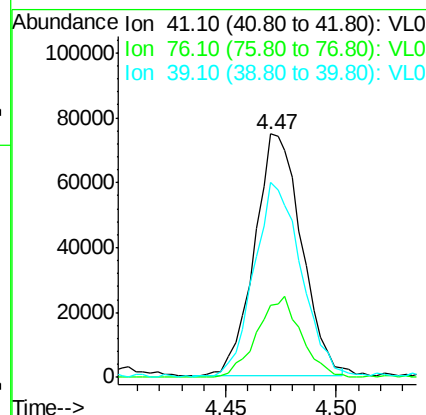
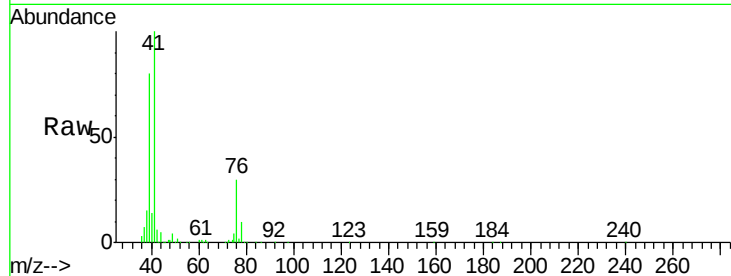
ClientSampleId :

VSTDIC001

Tot Ion:	41	Resp:	110696
Ion	Ratio	Lower	Upper
41	100		
76	31.7	24.6	37.0
39	82.6	63.3	94.9

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#22

trans-1,2-Dichloroethene

Concen: 1.147 ppbv

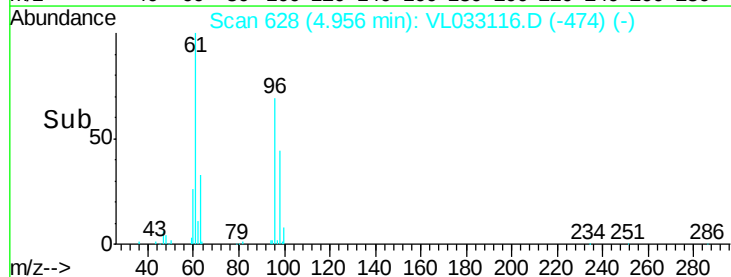
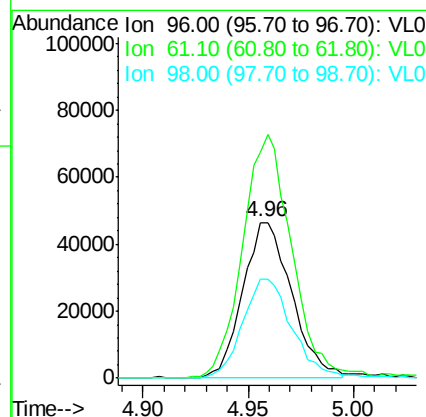
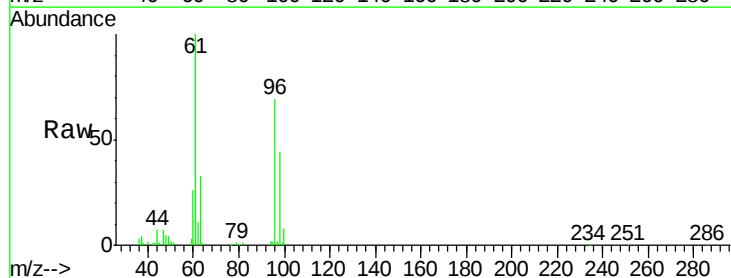
RT: 4.96 min Scan# 628

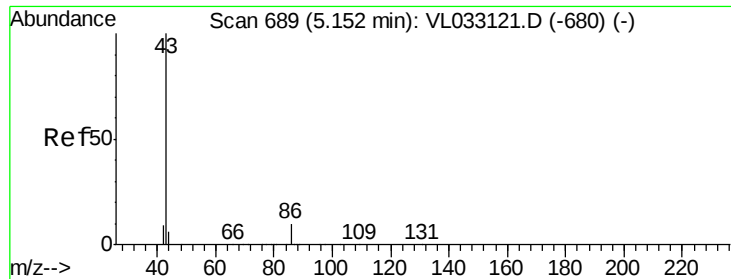
Delta R.T. -0.00 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Tgt Ion:	96	Resp:	74996
Ion	Ratio	Lower	Upper
96	100		
61	143.8	127.6	191.4
98	63.8	48.6	73.0





#23

Vinyl Acetate

Concen: 1.067 ppbv

RT: 5.15 min Scan# 688

Delta R.T. -0.00 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Instrument :

MSVOA_L

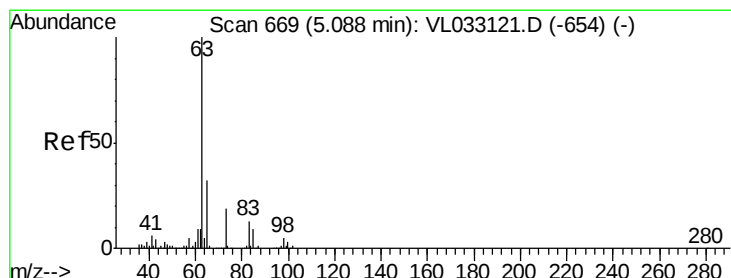
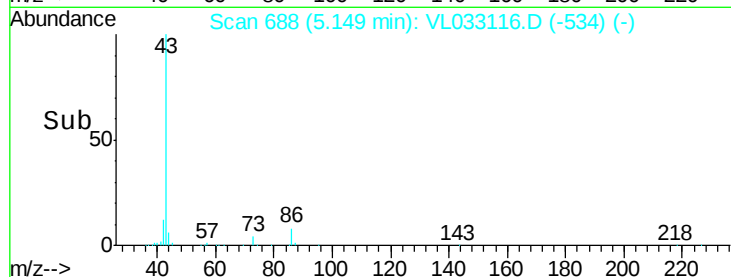
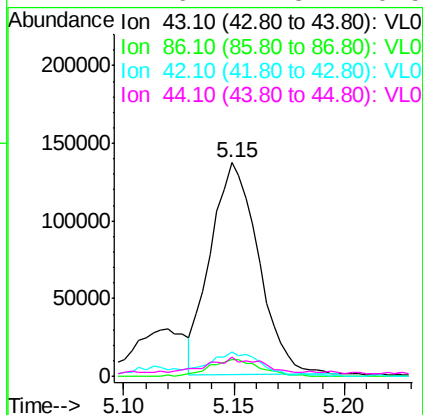
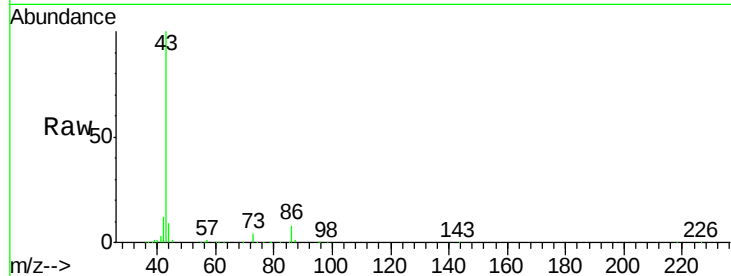
ClientSampleId :

VSTDIC001

Tot Ion	43	Resp	206903
Ion Ratio	Lower	Upper	
43	100		
86	7.9	6.7	10.1
42	11.4	8.1	12.1
44	7.6	4.3	6.5#

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#24

1,1-Dichloroethane

Concen: 1.137 ppbv

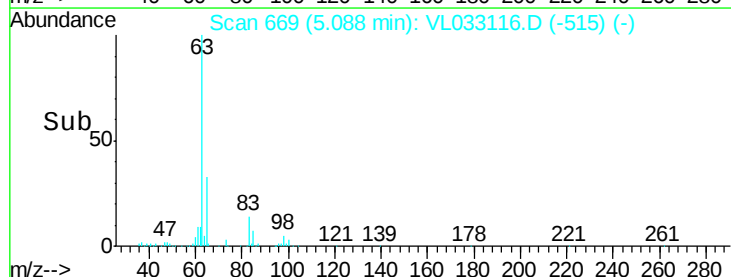
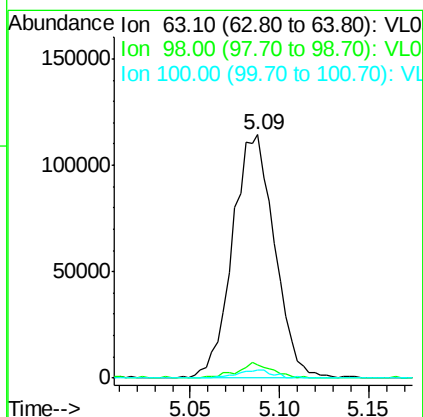
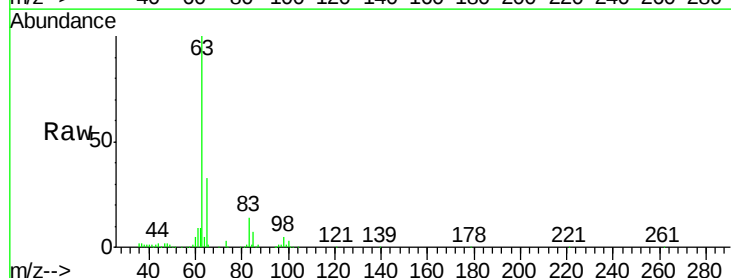
RT: 5.09 min Scan# 669

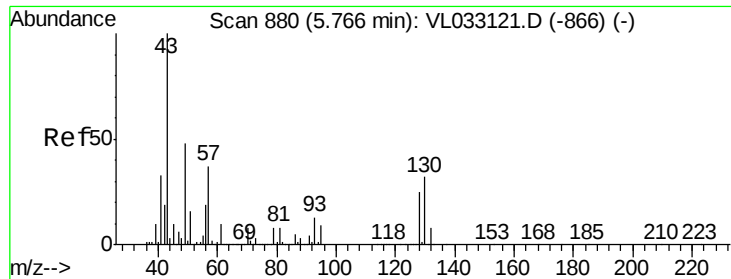
Delta R.T. -0.00 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Tgt Ion	63	Resp	187117
Ion Ratio	Lower	Upper	
63	100		
98	5.4	2.5	7.4
100	3.4	1.4	4.2





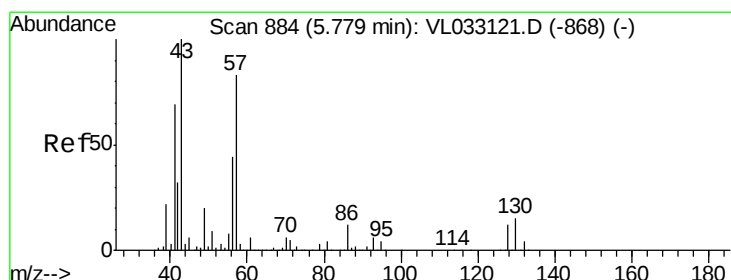
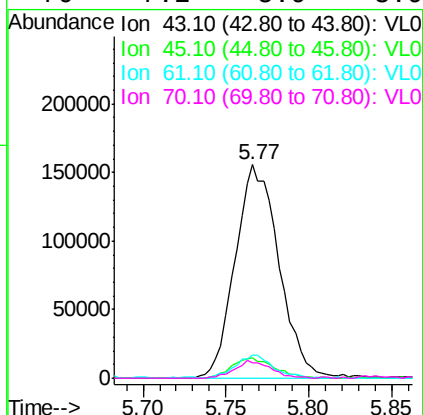
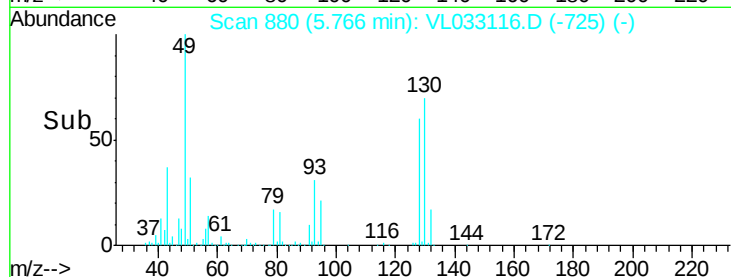
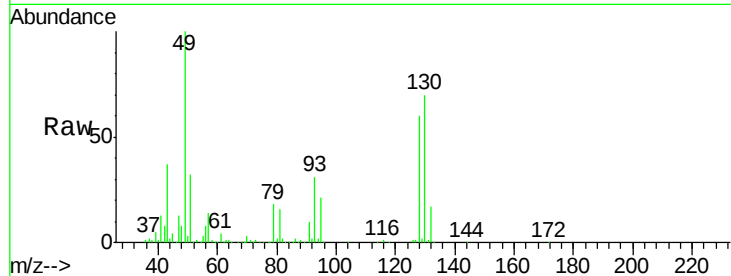
#25
Ethyl Acetate
Concen: 1.101 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033116.D
Acq: 28 Jan 2019 16:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		283573		
45	9.2	8.0	12.0		
61	10.0	7.6	11.4		
70	7.2	5.9	8.9		

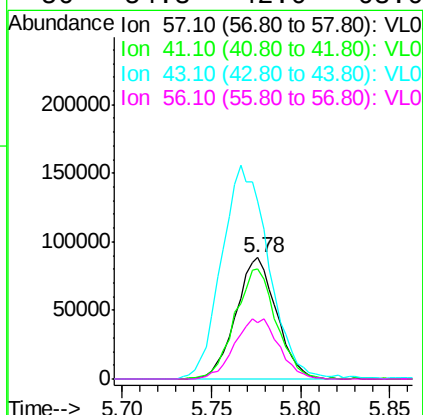
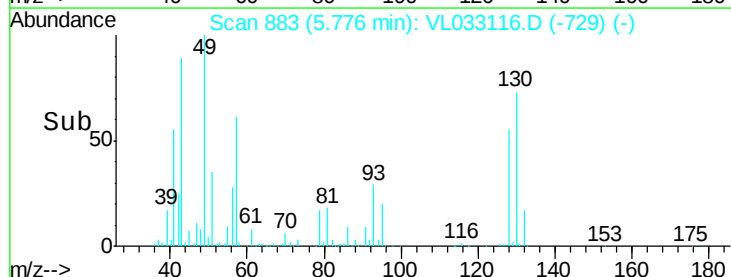
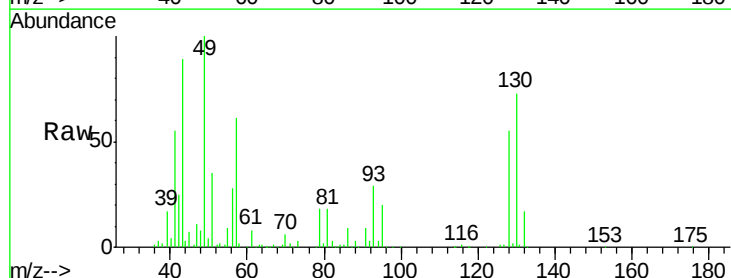
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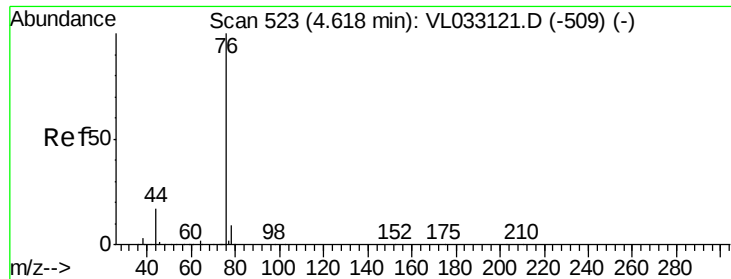
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#26
Hexane
Concen: 1.160 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033116.D
Acq: 28 Jan 2019 16:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100		140686		
41	93.1	69.9	104.9		
43	205.5	169.0	253.4		
56	54.3	42.0	63.0		





#27

Carbon Disulfide

Concen: 1.151 ppbv

RT: 4.62 min Scan# 523

Delta R.T. -0.00 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Instrument :

MSVOA_L

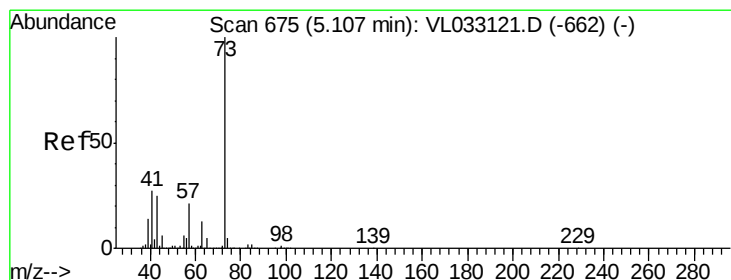
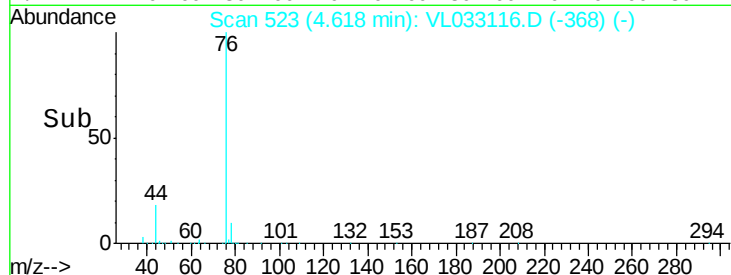
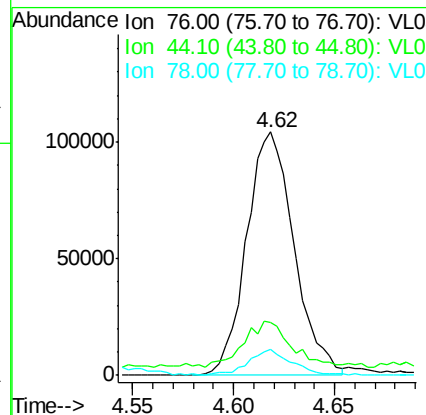
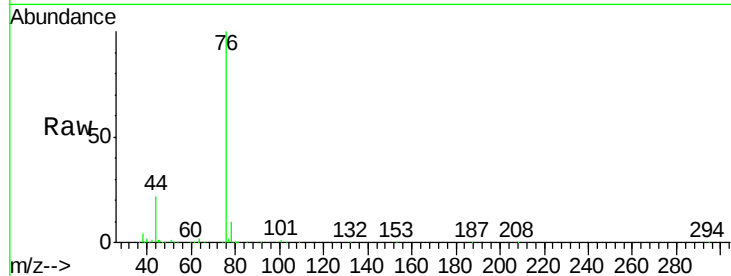
ClientSampleId :

VSTDIC001

Tot Ion:	76	Resp:	172118
Ion Ratio	Lower	Upper	
76	100		
44	20.8	15.0	22.4
78	10.0	7.6	11.4

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 1.095 ppbv

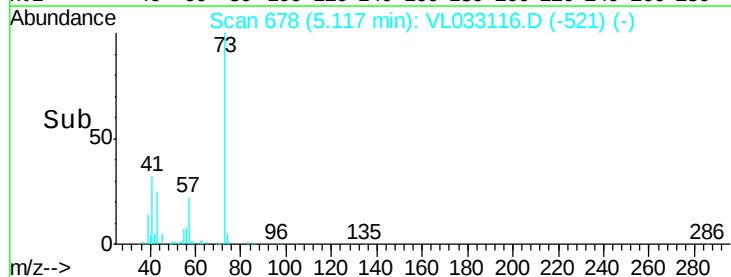
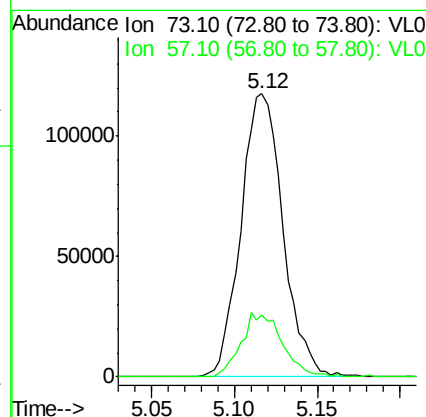
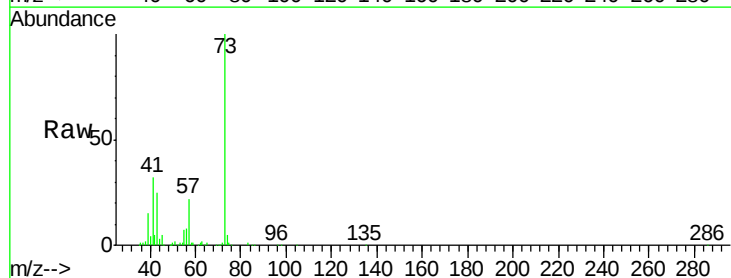
RT: 5.12 min Scan# 678

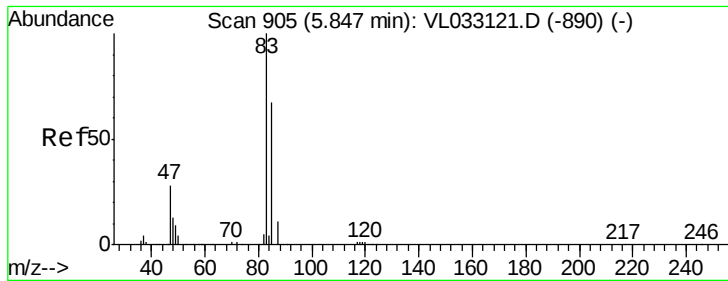
Delta R.T. 0.01 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Tgt Ion:	73	Resp:	207317
Ion Ratio	Lower	Upper	
73	100		
57	22.2	17.6	26.4





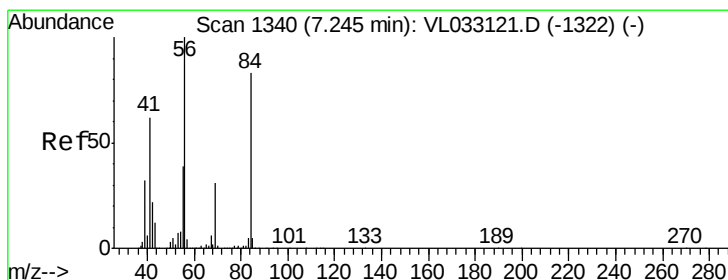
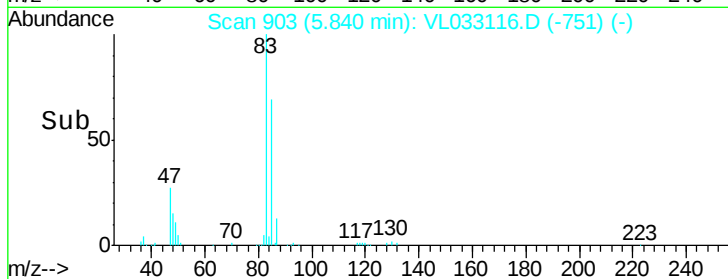
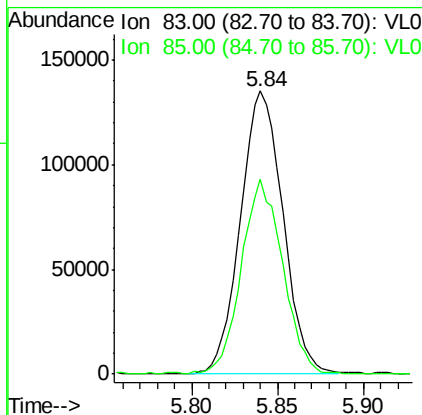
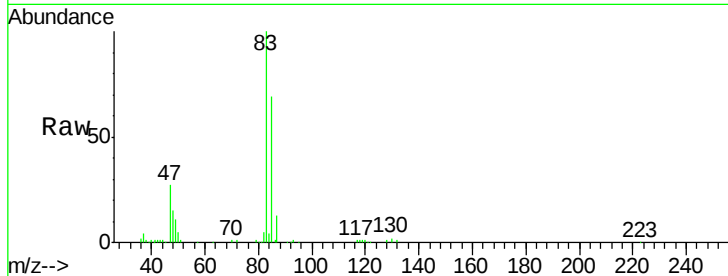
#29
Chloroform
Concen: 1.125 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033116.D
Acq: 28 Jan 2019 16:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	232403
Ion Ratio	Lower	Upper	
83	100		
85	69.1	50.4	75.6

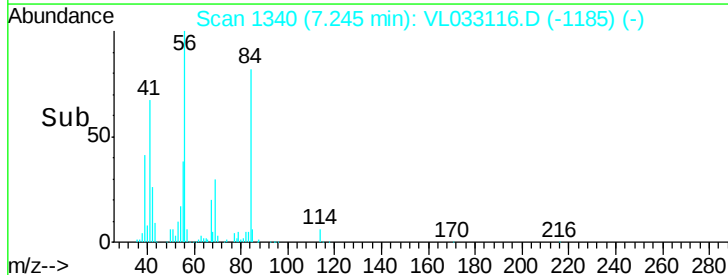
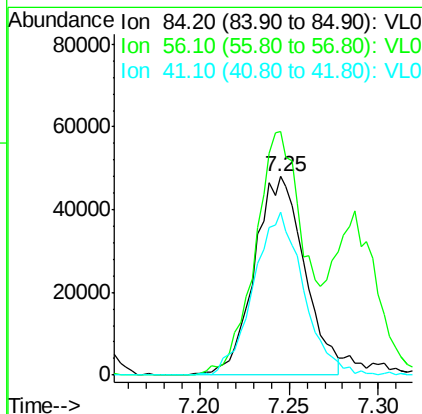
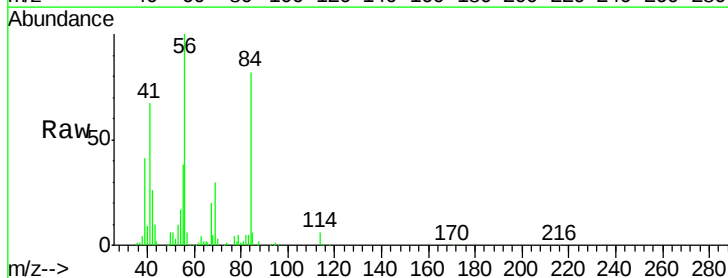
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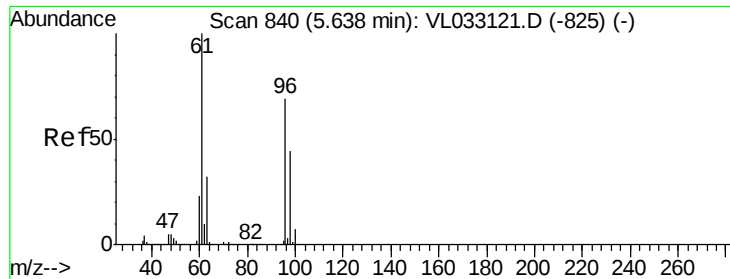
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#30
Cyclohexane
Concen: 1.043 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VL033116.D
Acq: 28 Jan 2019 16:59

Tgt Ion	84	Resp	94271
Ion Ratio	Lower	Upper	
84	100		
56	118.2	102.4	153.6
41	82.7	62.7	94.1





#31

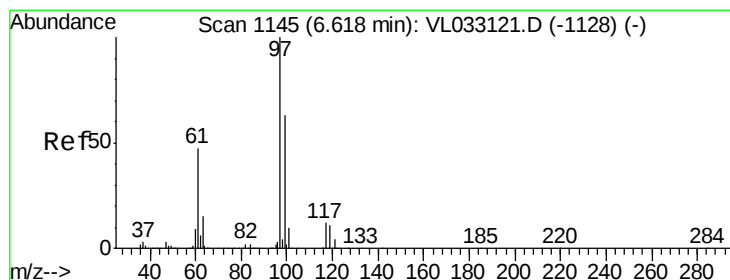
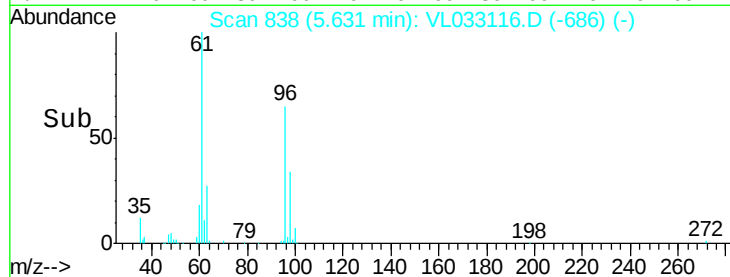
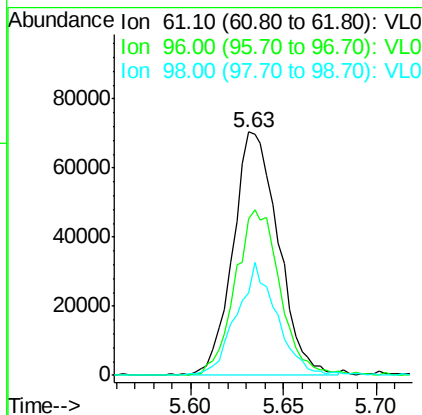
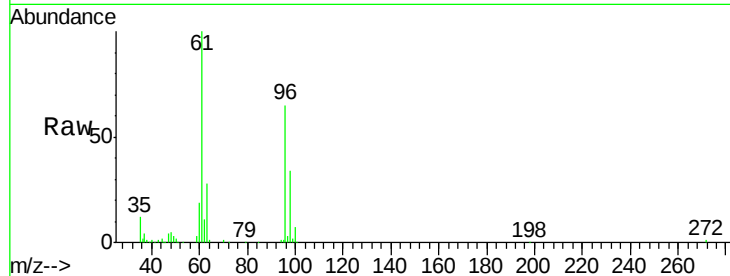
cis-1,2-Dichloroethene
 Concen: 1.063 ppbv
 RT: 5.63 min Scan# 838
 Delta R.T. -0.01 min
 Lab File: VL033116.D
 Acq: 28 Jan 2019 16:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
61	100	119677		
96	64.1		57.6	86.4
98	32.7		37.0	55.4

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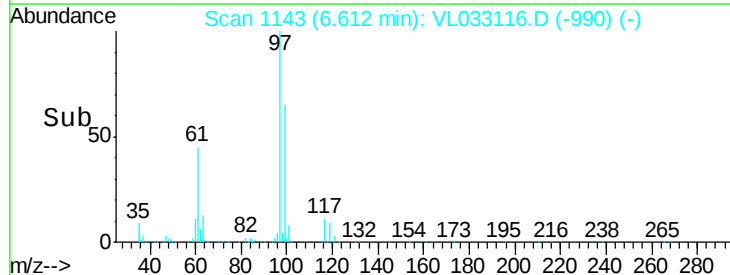
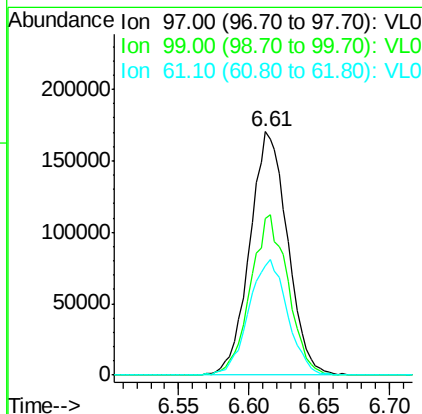
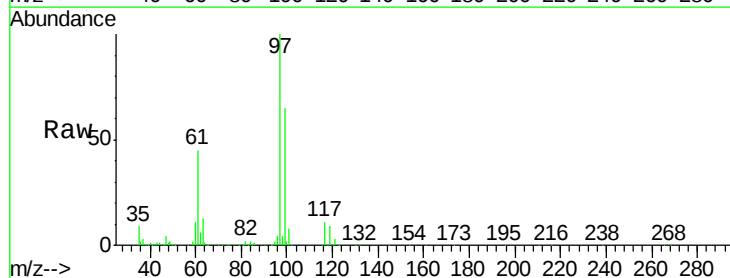
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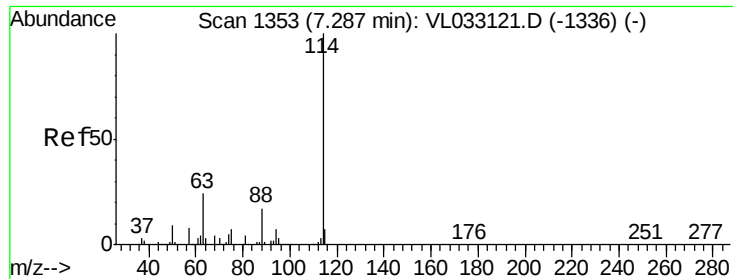


#32

1,1,1-Trichloroethane
 Concen: 1.519 ppbv
 RT: 6.61 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VL033116.D
 Acq: 28 Jan 2019 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	318596		
99	65.5		51.7	77.5
61	48.8		38.6	57.8





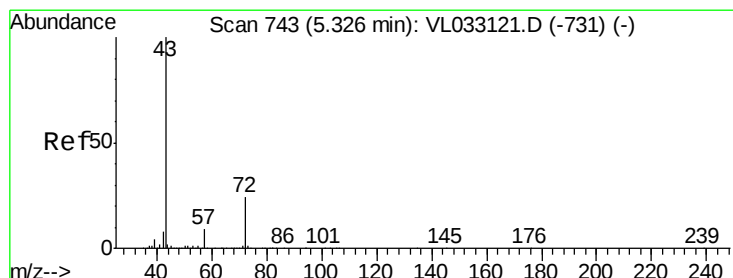
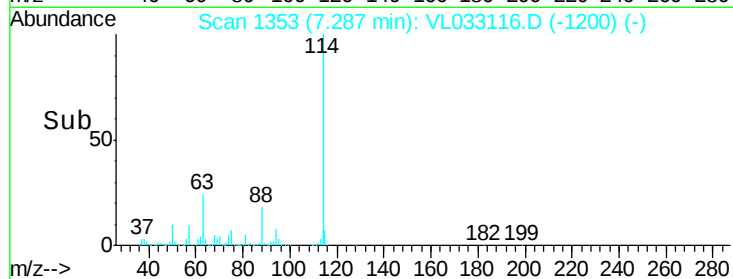
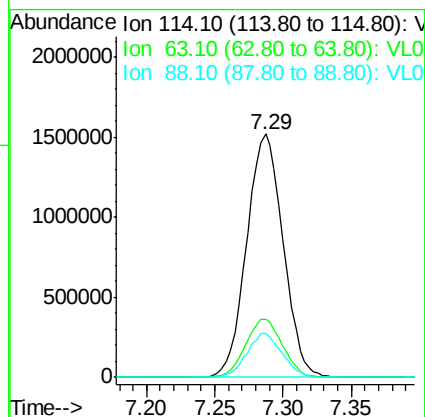
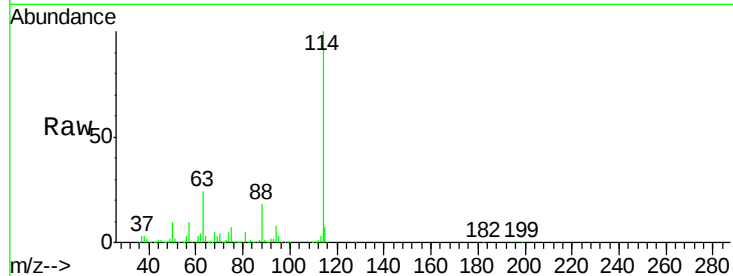
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033116.D
 Acq: 28 Jan 2019 16:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:114 Resp: 2817633
 Ion Ratio Lower Upper
 114 100
 63 24.4 19.8 29.8
 88 17.7 14.2 21.2

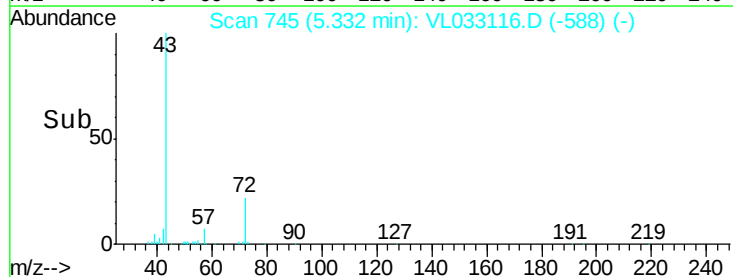
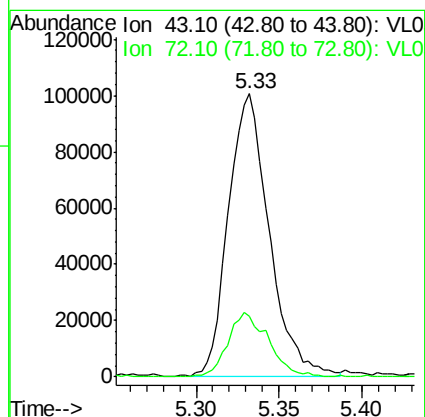
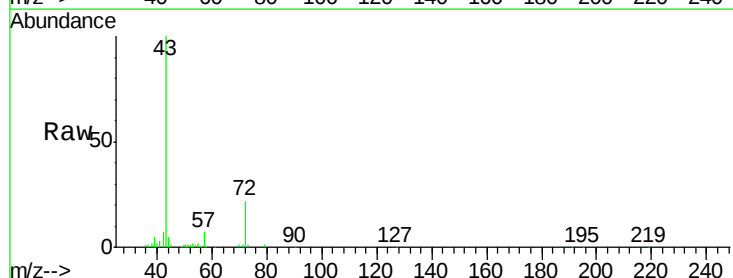
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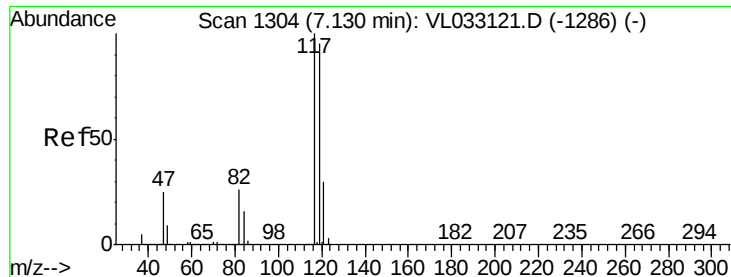
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#34
 2-Butanone
 Concen: 1.048 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. 0.01 min
 Lab File: VL033116.D
 Acq: 28 Jan 2019 16:59

Tgt Ion: 43 Resp: 171621
 Ion Ratio Lower Upper
 43 100
 72 23.0 18.7 28.1





#35

Carbon Tetrachloride

Concen: 1.037 ppbv

RT: 7.13 min Scan# 1303

Delta R.T. -0.01 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Instrument :

MSVOA_L

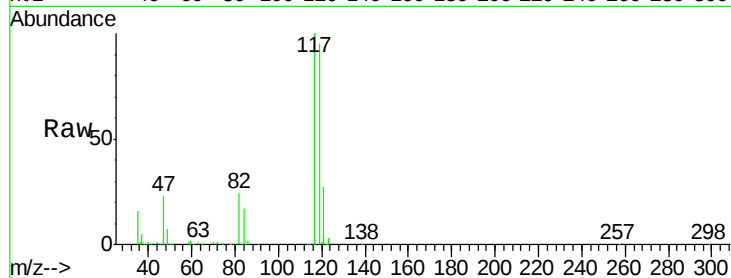
ClientSampleId :

VSTDIC001

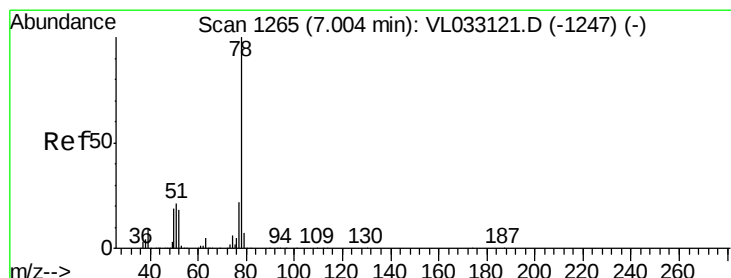
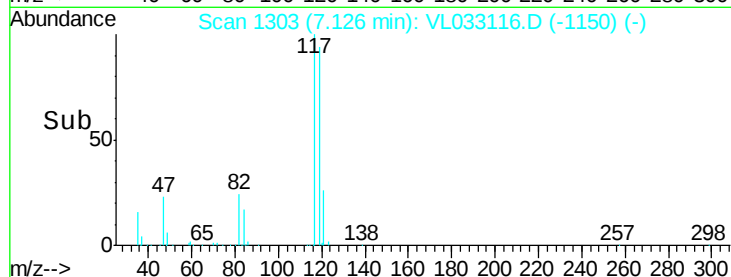
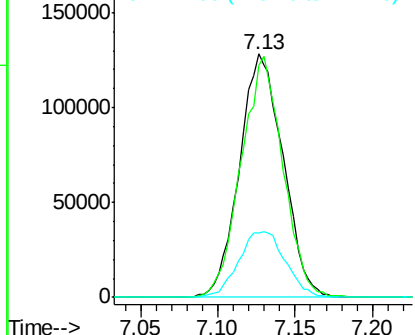
Tot Ion:	117	Resp:	251001
Ion Ratio	Lower	Upper	
117	100		
119	95.3	75.8	113.6
121	26.7	24.6	36.8

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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: 1.091 ppbv

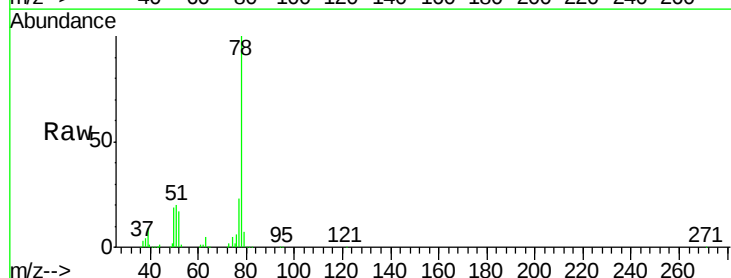
RT: 7.00 min Scan# 1264

Delta R.T. -0.00 min

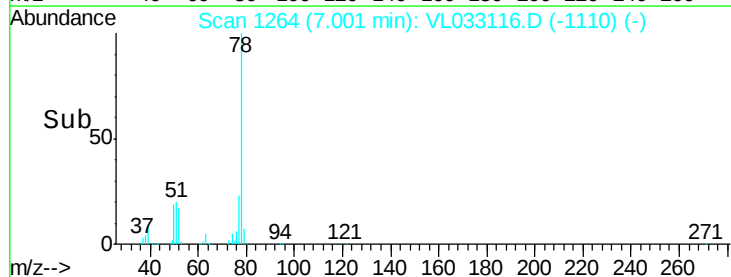
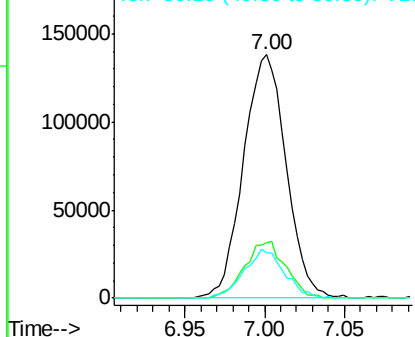
Lab File: VL033116.D

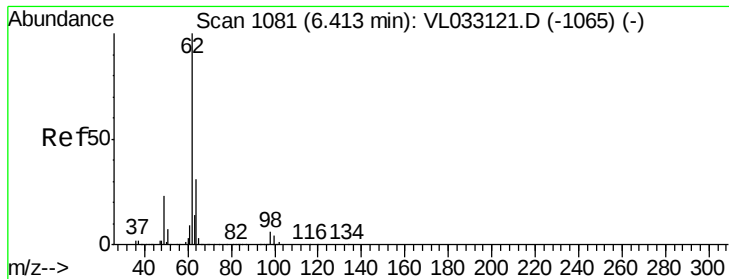
Acq: 28 Jan 2019 16:59

Tgt Ion:	78	Resp:	251882
Ion Ratio	Lower	Upper	
78	100		
77	22.6	18.5	27.7
50	18.6	15.4	23.2



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





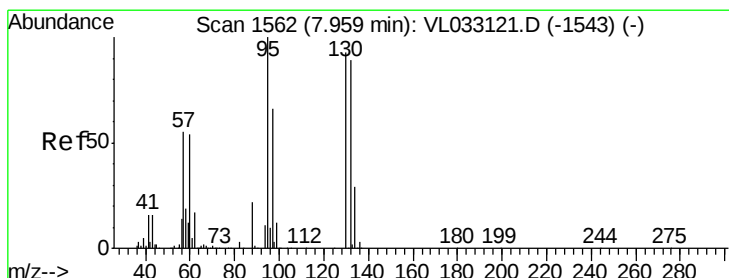
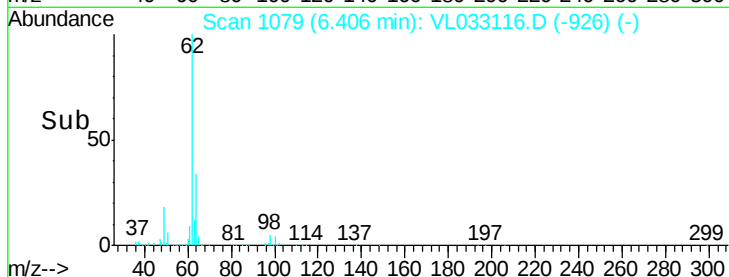
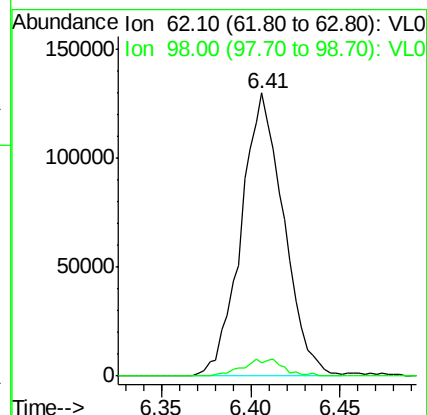
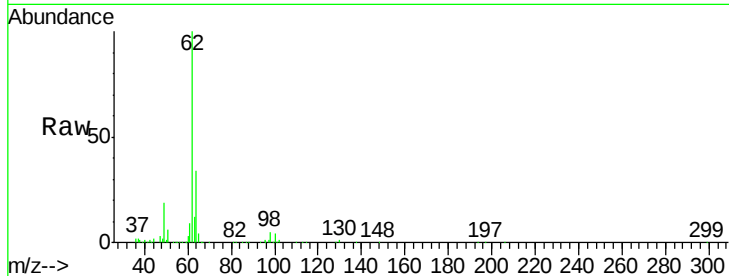
#37
 1,2-Dichloroethane
 Concen: 1.344 ppbv
 RT: 6.41 min Scan# 1079
 Delta R.T. -0.01 min
 Lab File: VL033116.D
 Acq: 28 Jan 2019 16:59

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Upper
62	100		
98	6.0	4.6	7.0

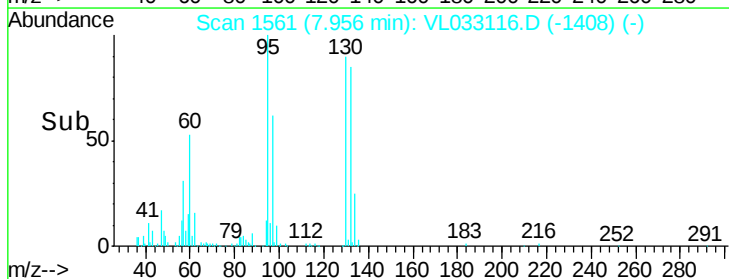
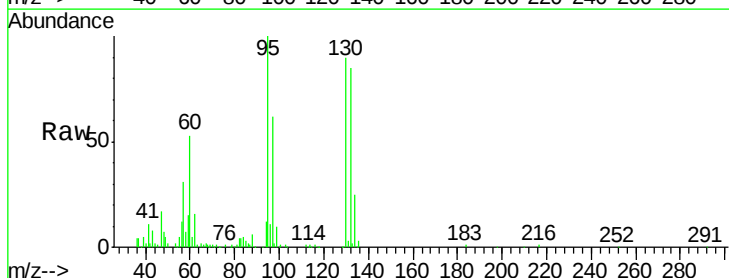
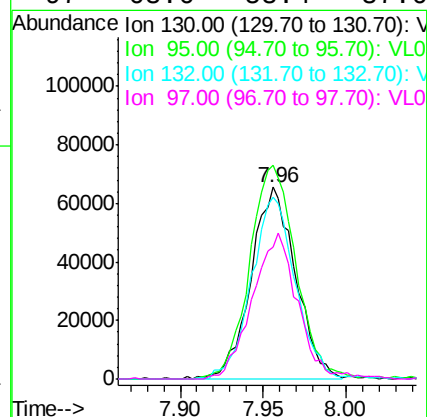
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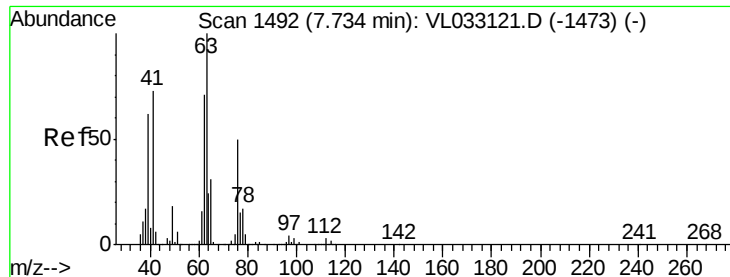
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#38
 Trichloroethene
 Concen: 1.290 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: VL033116.D
 Acq: 28 Jan 2019 16:59

Tgt Ion	Ratio	Resp Lower	Upper
130	100		
95	111.5	94.0	141.0
132	94.8	79.7	119.5
97	68.6	58.4	87.6





#39

1,2-Dichloropropane

Concen: 1.233 ppbv

RT: 7.73 min Scan# 1491

Delta R.T. -0.01 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Instrument :

MSVOA_L

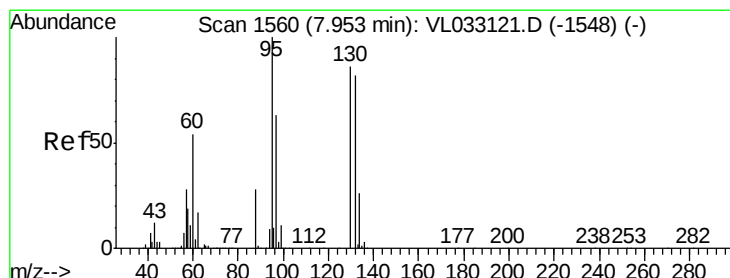
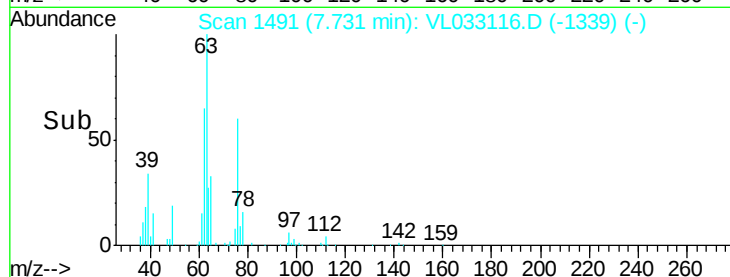
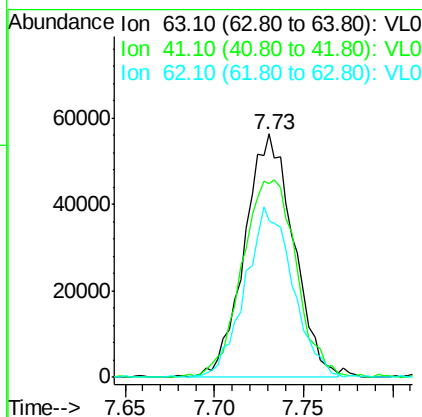
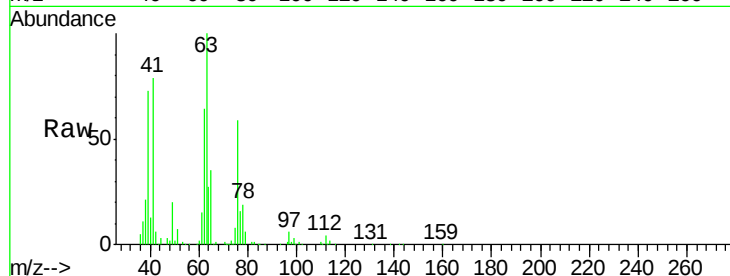
ClientSampleId :

VSTDIC001

Tot Ion:	63	Resp:	106866
Ion Ratio	Lower	Upper	
63	100		
41	78.5	57.8	86.8
62	63.8	54.6	82.0

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#40

1,4-Dioxane

Concen: 1.288 ppbv m

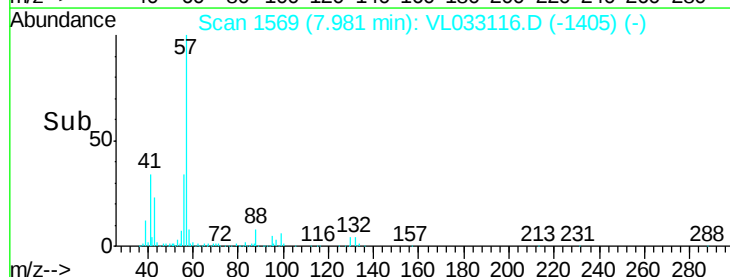
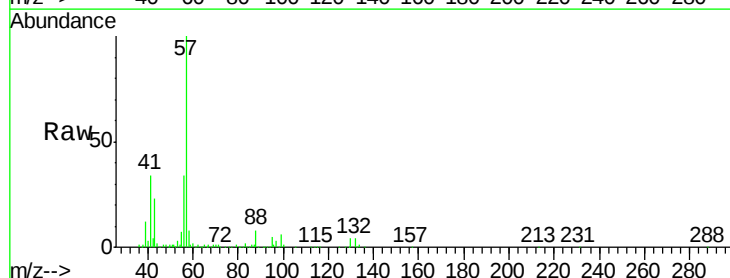
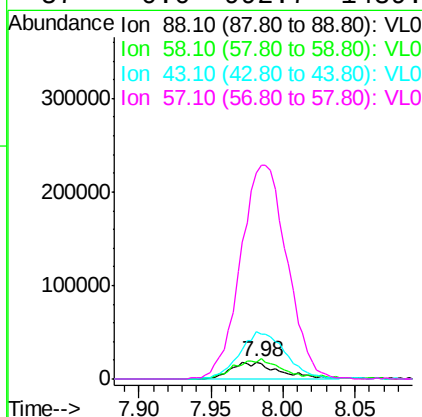
RT: 7.98 min Scan# 1569

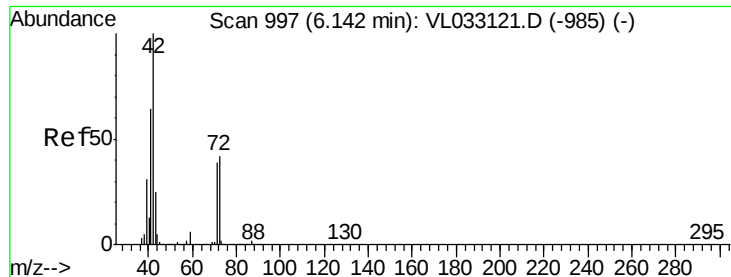
Delta R.T. 0.03 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Tgt Ion:	88	Resp:	42378
Ion Ratio	Lower	Upper	
88	100		
58	0.0	103.5	155.3#
43	0.0	217.8	326.8#
57	0.0	992.7	1489.1#





#41

Tetrahydrofuran

Concen: 1.012 ppbv

RT: 6.16 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Instrument :

MSVOA_L

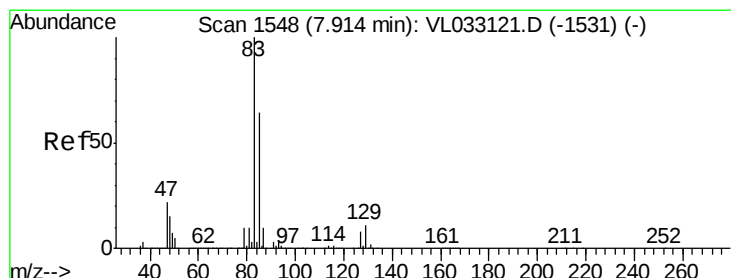
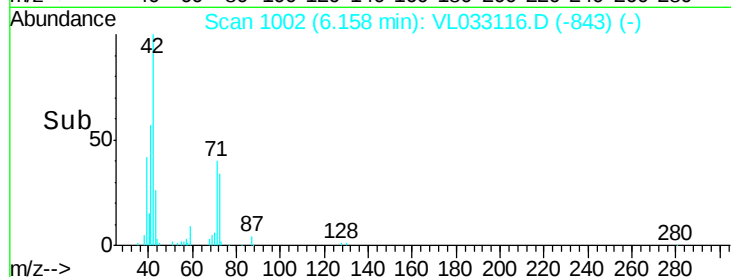
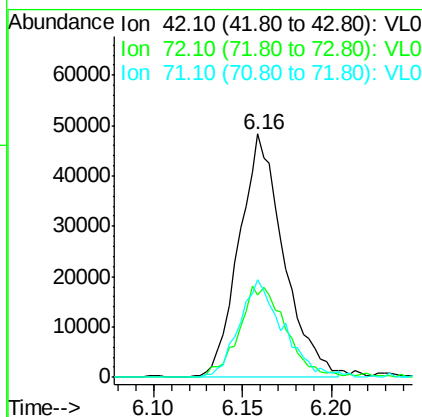
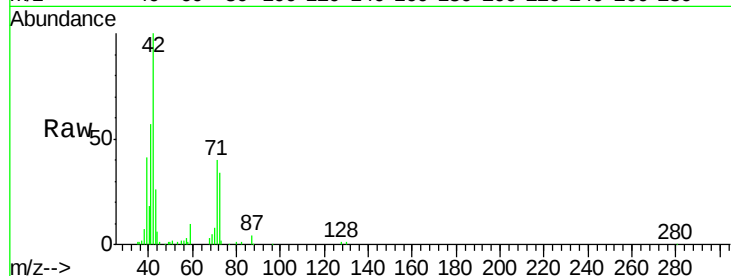
ClientSampleId :

VSTDIC001

Tot Ion:	42	Resp:	84355
Ion	Ratio	Lower	Upper
42	100		
72	40.2	33.8	50.8
71	39.5	31.6	47.4

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#42

Bromodichloromethane

Concen: 1.255 ppbv

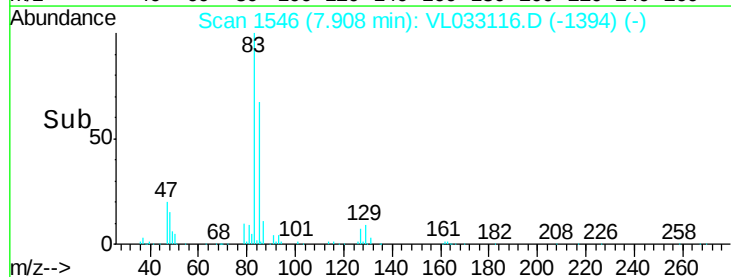
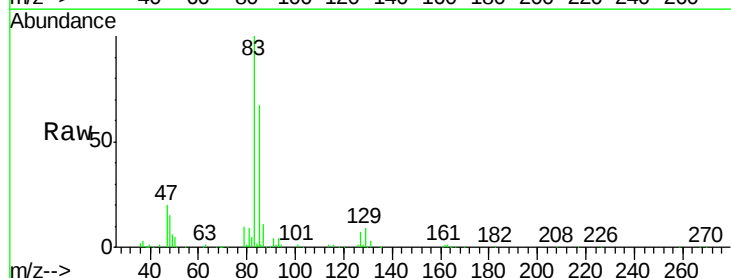
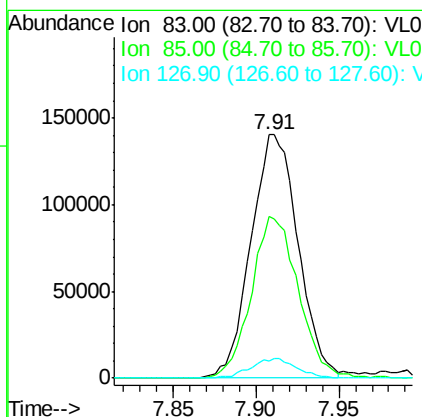
RT: 7.91 min Scan# 1546

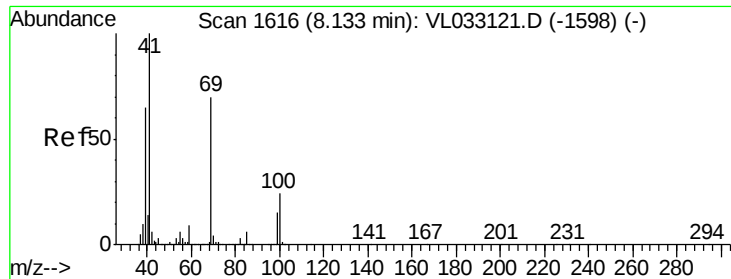
Delta R.T. -0.01 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Tgt Ion:	83	Resp:	277732
Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.9	79.3
127	7.1	6.7	10.1





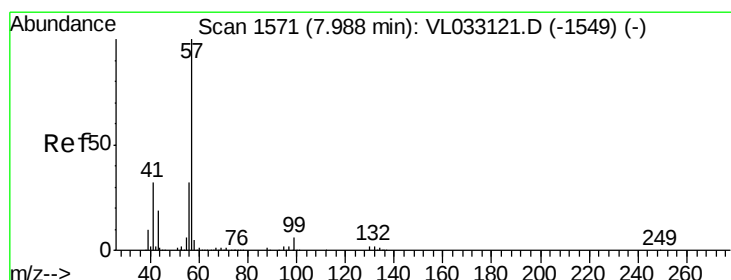
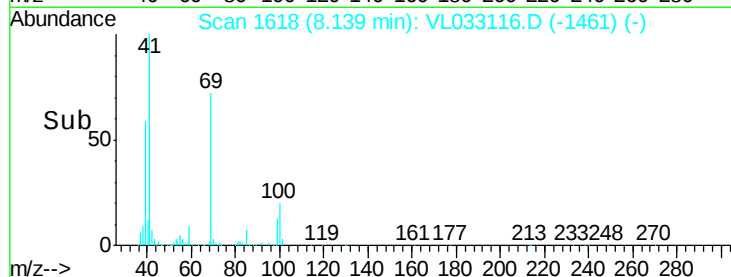
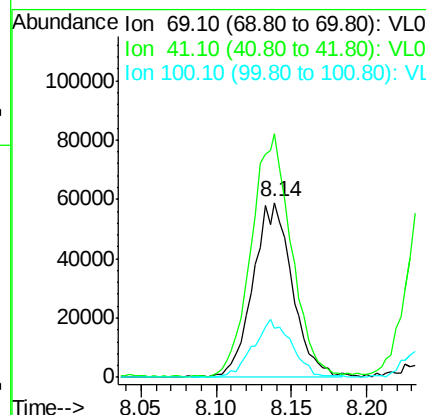
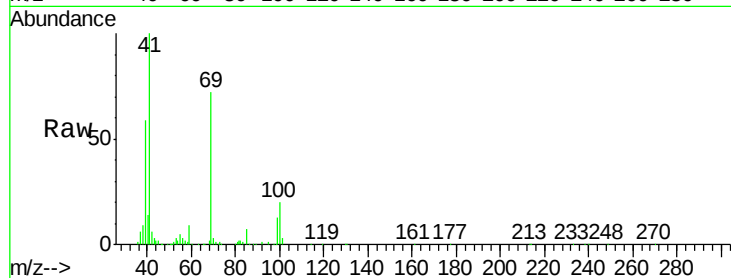
#43
Methvl Methacrilate
Concen: 1.232 ppbv m
RT: 8.14 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VL033116.D
Acq: 28 Jan 2019 16:59

Instrument :
MSVOA_L
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
69	100		
41	0.0	113.9	170.9#
100	0.0	26.2	39.4#

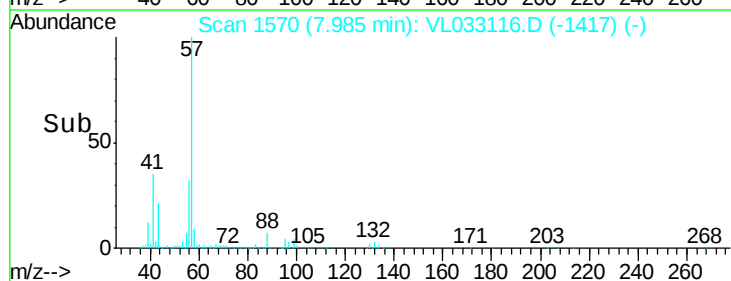
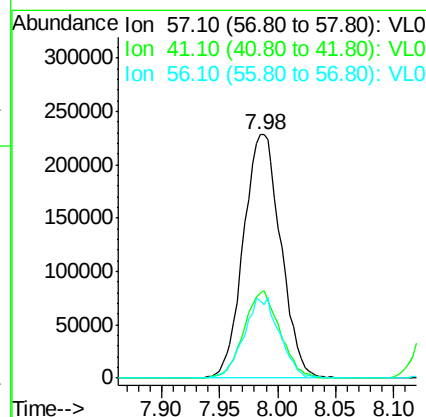
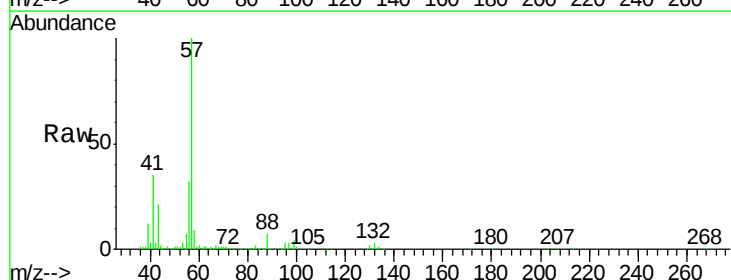
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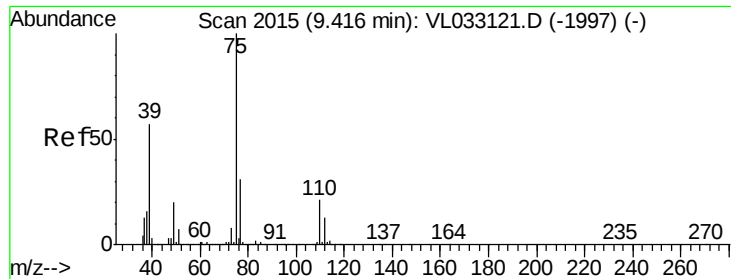
apatel
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#44
2,2,4-Trimethylpentane
Concen: 1.310 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VL033116.D
Acq: 28 Jan 2019 16:59

Tgt Ion	Ratio	Lower	Upper
57	100		
41	34.6	26.1	39.1
56	31.6	25.0	37.4





#45

t-1,3-Dichloropropene

Concen: 1.102 ppbv

RT: 9.41 min Scan# 2014

Delta R.T. -0.00 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 118769

Ion Ratio Lower Upper

75 100

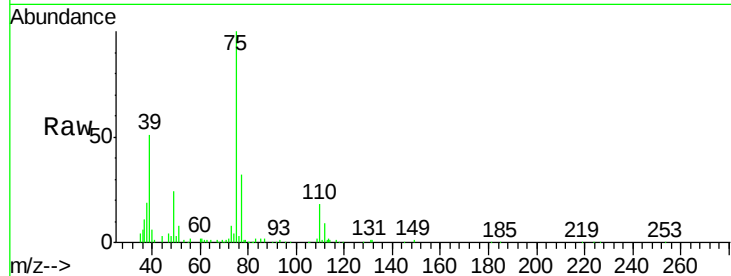
77 32.3 24.9 37.3

Manual Integrations

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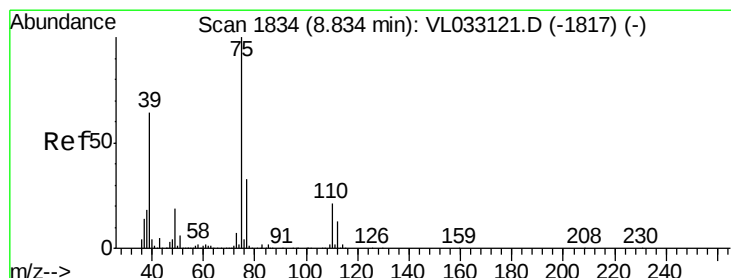
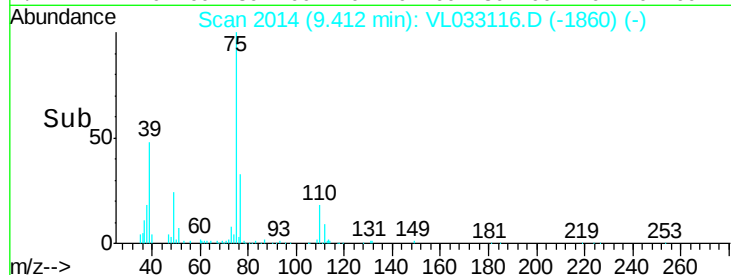
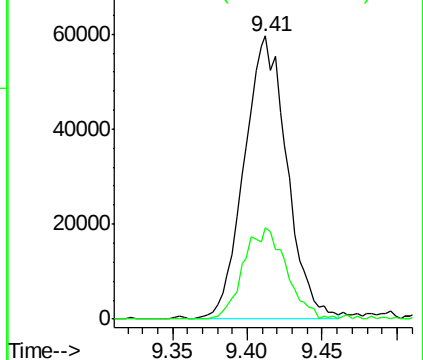
apatel

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 1.182 ppbv

RT: 8.83 min Scan# 1834

Delta R.T. -0.00 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

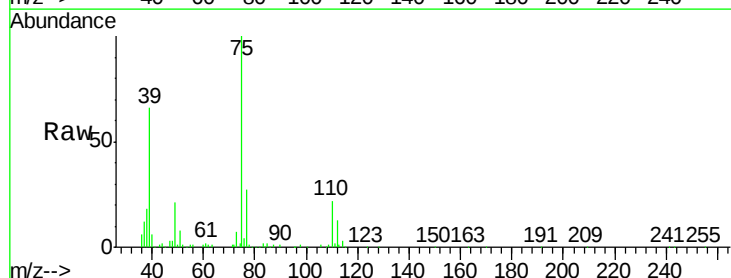
Tgt Ion: 75 Resp: 145380

Ion Ratio Lower Upper

75 100

39 65.3 52.0 78.0

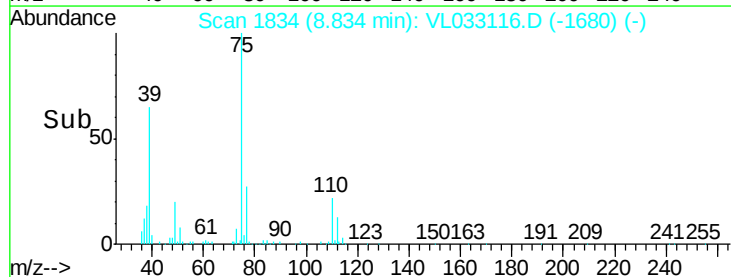
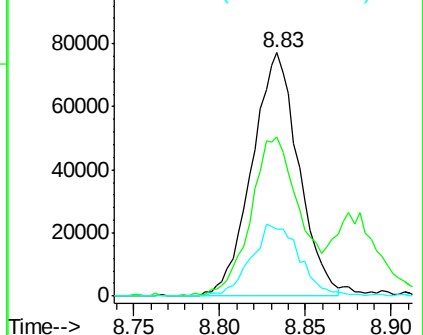
77 27.5 25.5 38.3

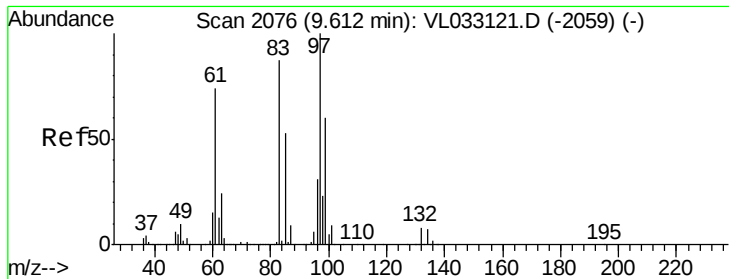


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





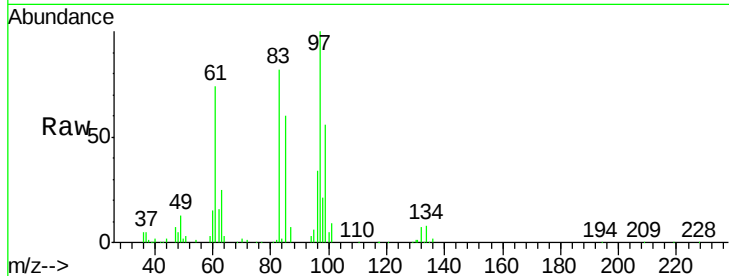
#47
 1,1,2-Trichloroethane
 Concen: 1.352 ppbv
 RT: 9.61 min Scan# 2076
 Delta R.T. -0.00 min
 Lab File: VL033116.D
 Acq: 28 Jan 2019 16:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

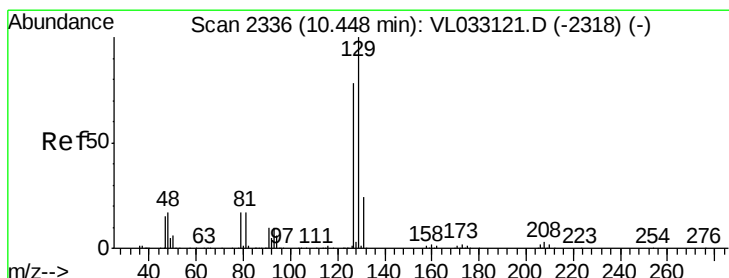
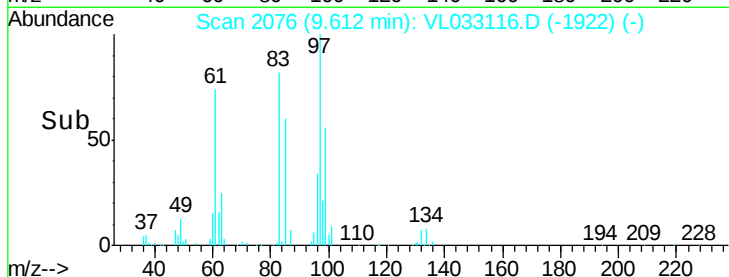
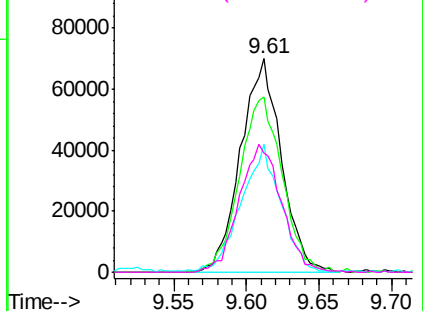
Tot Ion:	97	Resp:	136924
Ion	Ratio	Lower	Upper
97	100		
83	82.0	71.4	107.2
85	60.0	47.2	70.8
99	55.5	50.3	75.5

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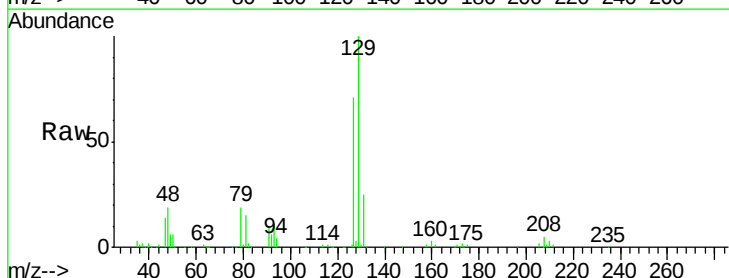


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

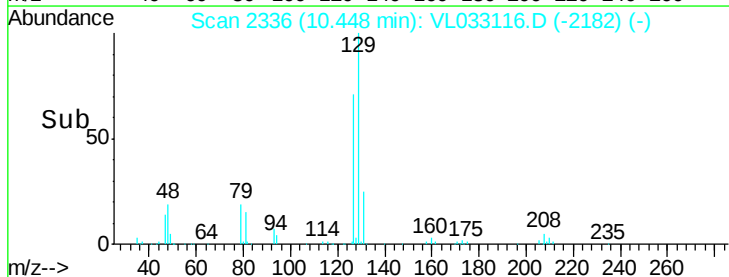
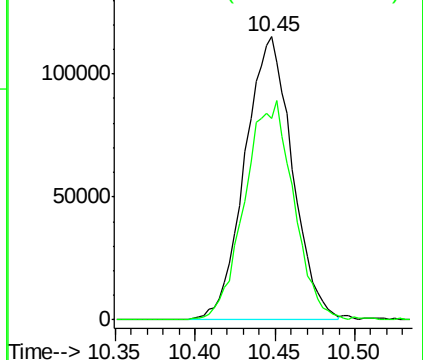


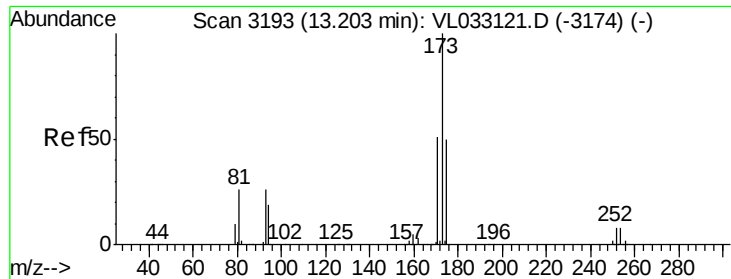
#48
 Dibromochloromethane
 Concen: 1.306 ppbv
 RT: 10.45 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: VL033116.D
 Acq: 28 Jan 2019 16:59

Tgt Ion:	129	Resp:	233680
Ion	Ratio	Lower	Upper
129	100		
127	80.2	39.3	117.9



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





#49

Bromoform

Concen: 1.285 ppbv

RT: 13.20 min Scan# 3192

Delta R.T. -0.00 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Instrument :

MSVOA_L

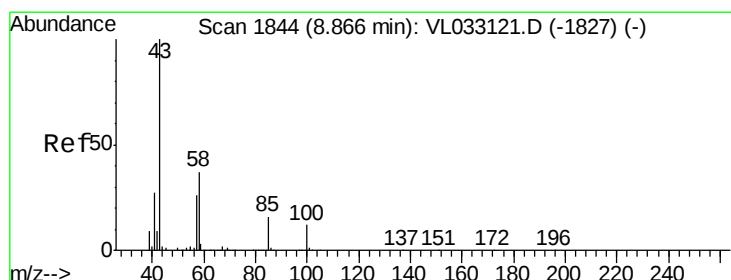
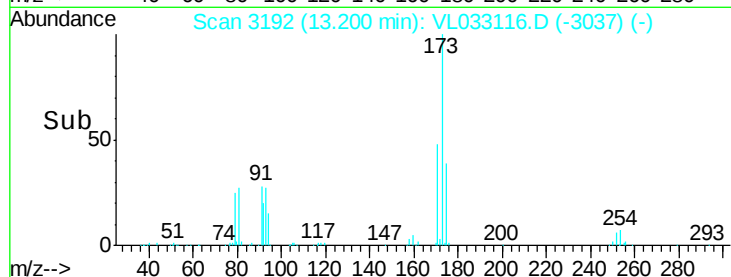
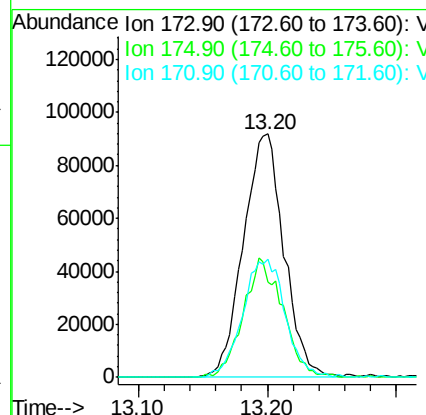
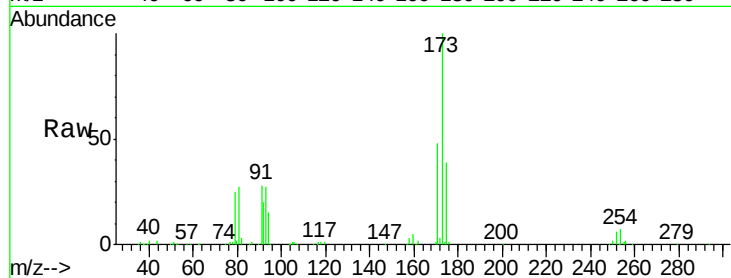
ClientSampleId :

VSTDIC001

Tot Ion:	173	Resp:	200949
Ion Ratio	Lower	Upper	
173	100		
175	47.9	38.9	58.3
171	51.0	41.8	62.6

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#50

4-Methyl-2-Pentanone

Concen: 1.332 ppbv

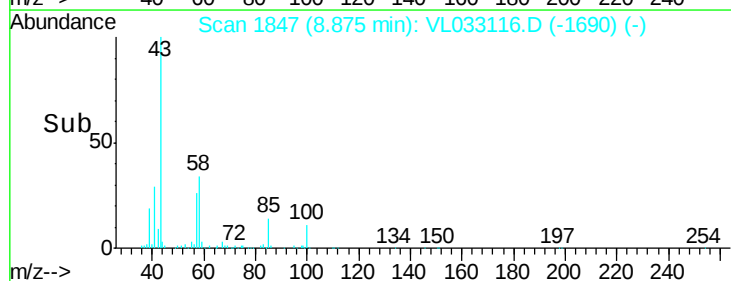
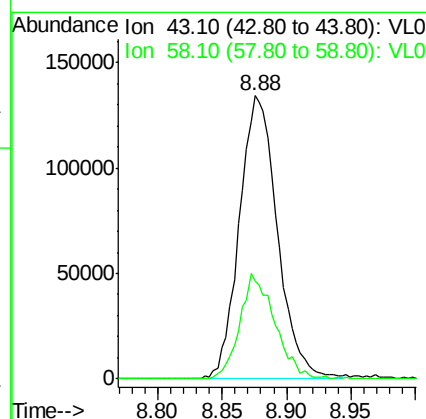
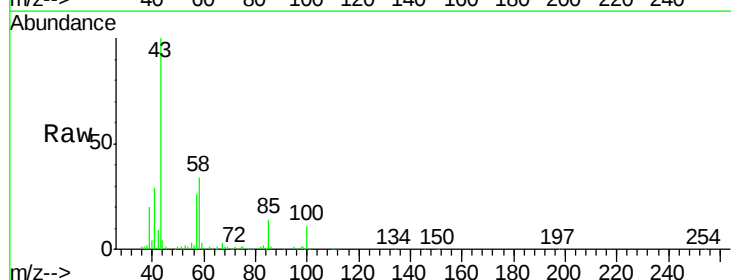
RT: 8.88 min Scan# 1847

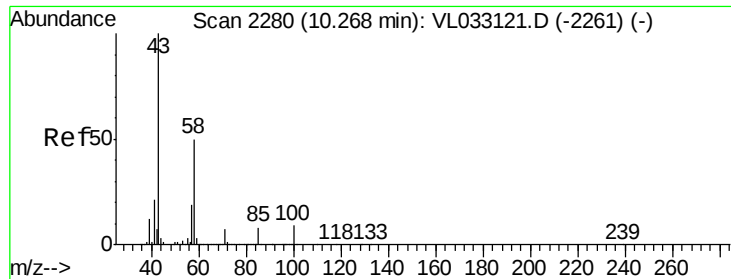
Delta R.T. 0.01 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Tgt Ion:	43	Resp:	276240
Ion Ratio	Lower	Upper	
43	100		
58	34.5	29.4	44.0





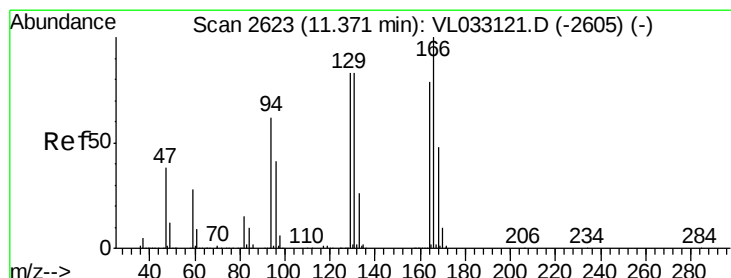
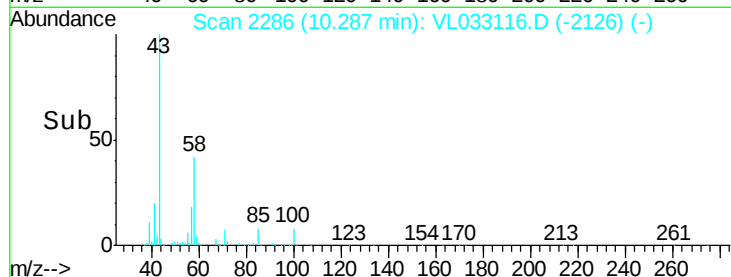
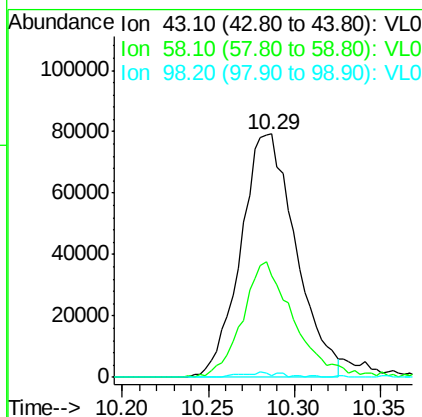
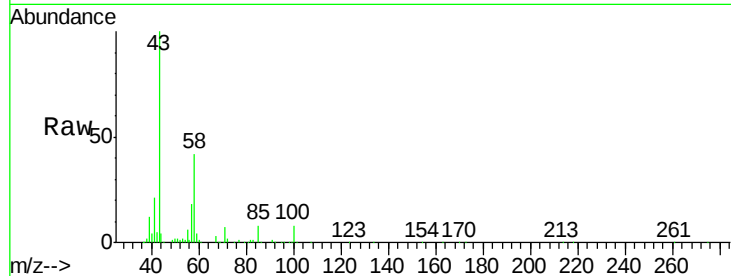
#51
 2-Hexanone
 Concen: 1.173 ppbv
 RT: 10.29 min Scan# 2286
 Delta R.T. 0.02 min
 Lab File: VL033116.D
 Acq: 28 Jan 2019 16:59

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.7	39.5	59.3
98	1.7	0.3	0.5

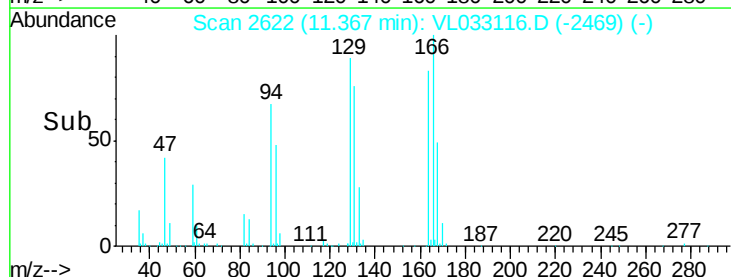
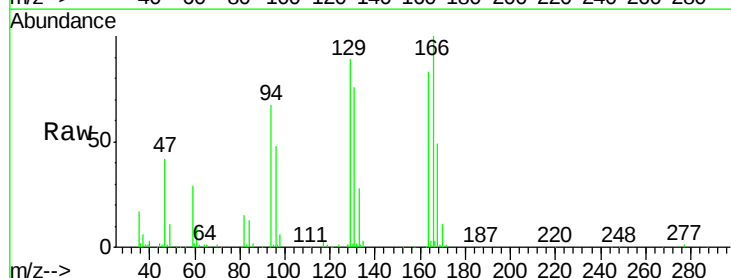
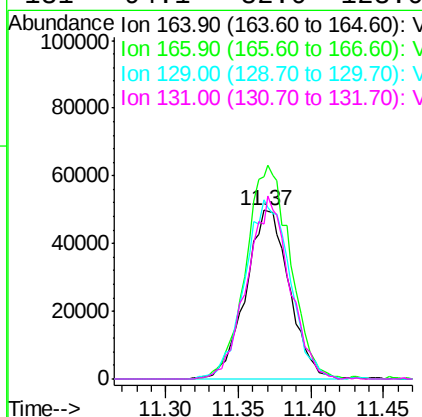
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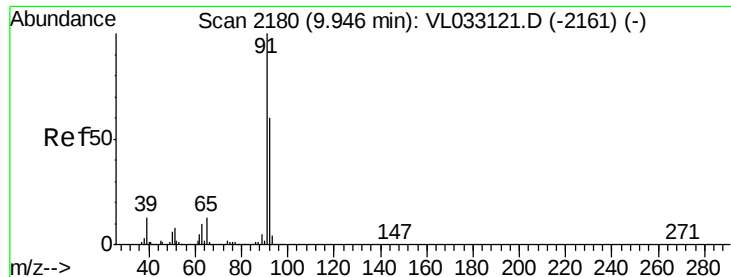
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#52
 Tetrachloroethene
 Concen: 1.277 ppbv
 RT: 11.37 min Scan# 2622
 Delta R.T. -0.01 min
 Lab File: VL033116.D
 Acq: 28 Jan 2019 16:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.9	101.3	151.9
129	106.5	83.3	124.9
131	94.1	82.0	123.0





#53

Toluene

Concen: 1.222 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.00 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 302147

Ion Ratio Lower Upper

91 100

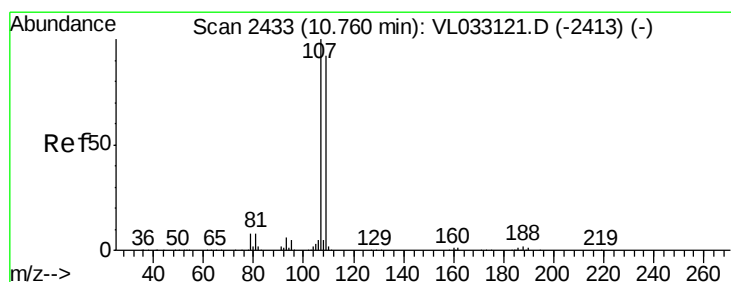
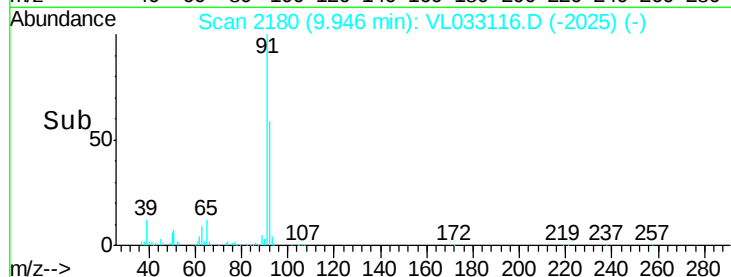
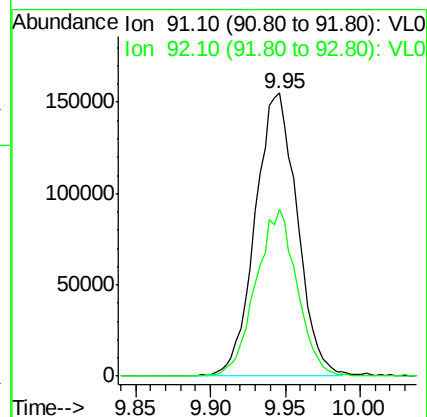
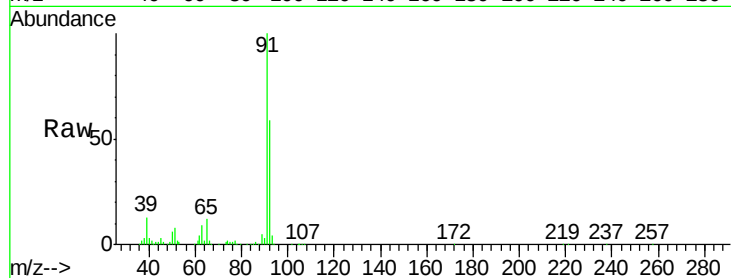
92 58.2 47.9 71.9

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#54

1,2-Dibromoethane

Concen: 1.294 ppbv

RT: 10.75 min Scan# 2431

Delta R.T. -0.01 min

Lab File: VL033116.D

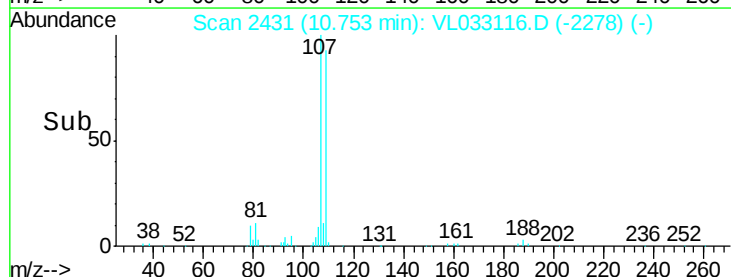
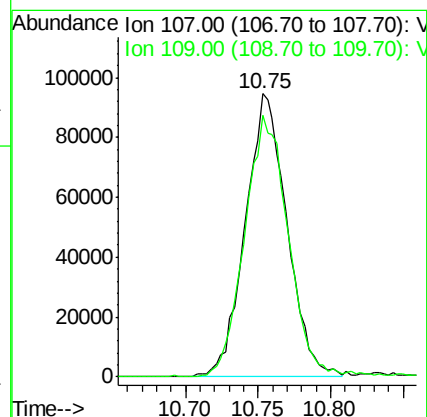
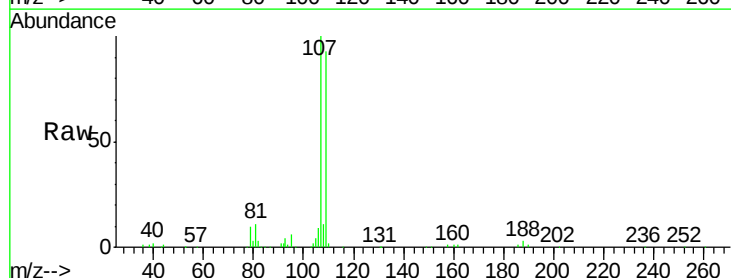
Acq: 28 Jan 2019 16:59

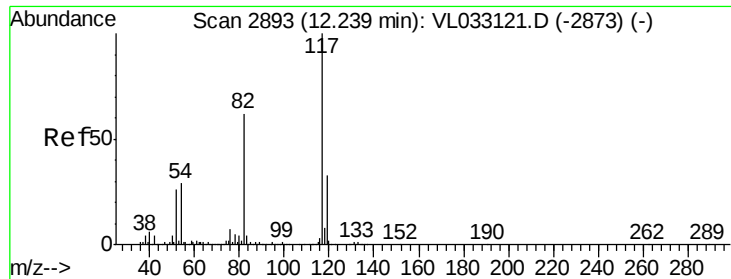
Tgt Ion: 107 Resp: 188891

Ion Ratio Lower Upper

107 100

109 92.5 75.8 113.6





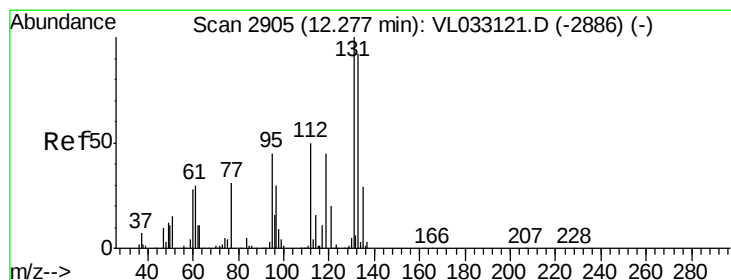
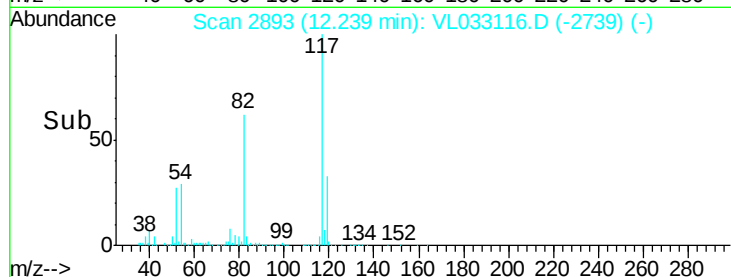
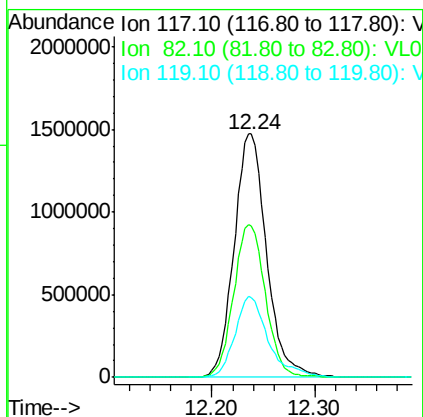
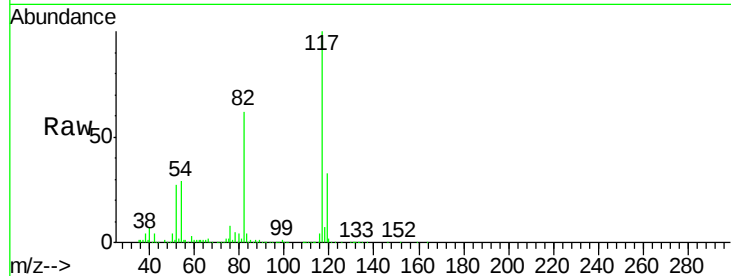
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033116.D
Acq: 28 Jan 2019 16:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.7	48.3	72.5
119	34.5	25.9	38.9

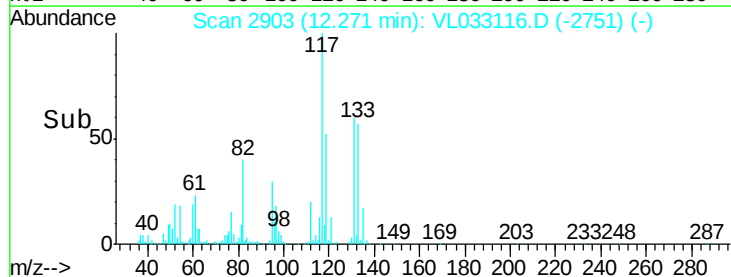
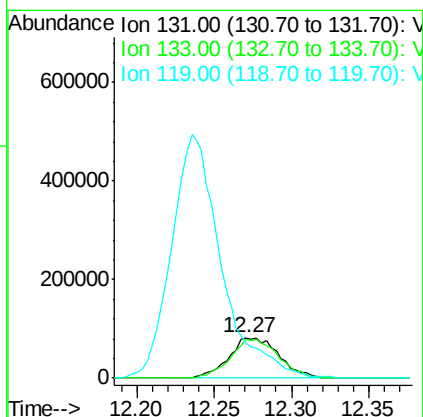
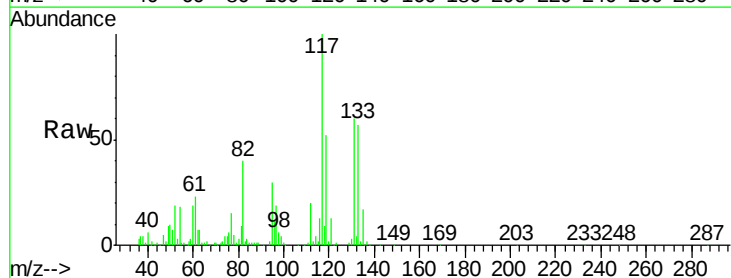
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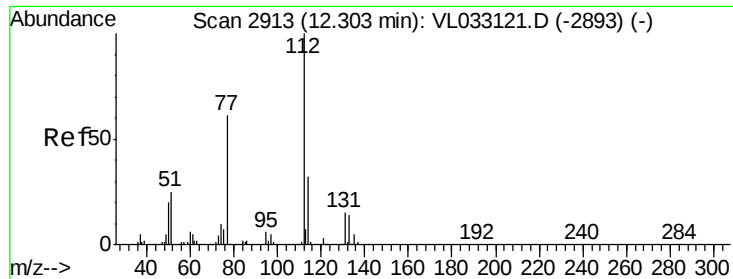
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#56
1,1,1,2-Tetrachloroethane
Concen: 1.103 ppbv m
RT: 12.27 min Scan# 2903
Delta R.T. -0.01 min
Lab File: VL033116.D
Acq: 28 Jan 2019 16:59

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.7	76.6	115.0
119	0.0	44.6	66.8#





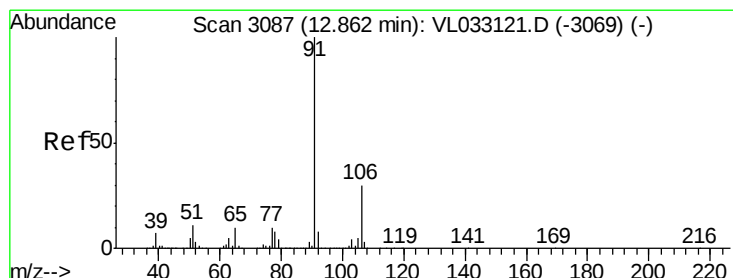
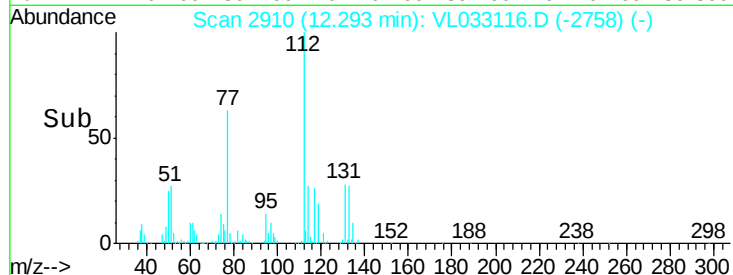
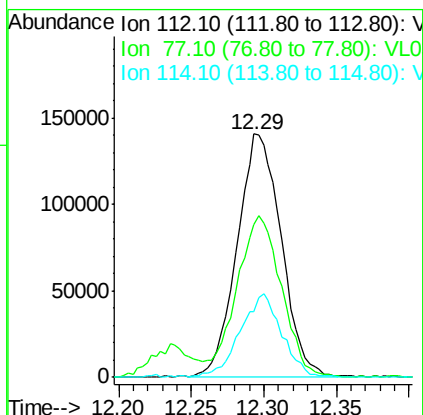
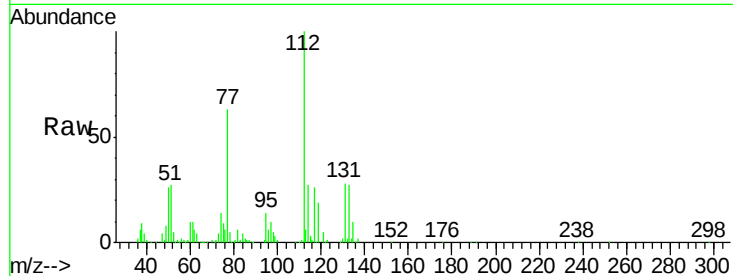
#57
Chlorobenzene
Concen: 1.095 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL033116.D
Acq: 28 Jan 2019 16:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
112	100		
77	62.2	51.6	77.4
114	26.9	27.9	34.1#

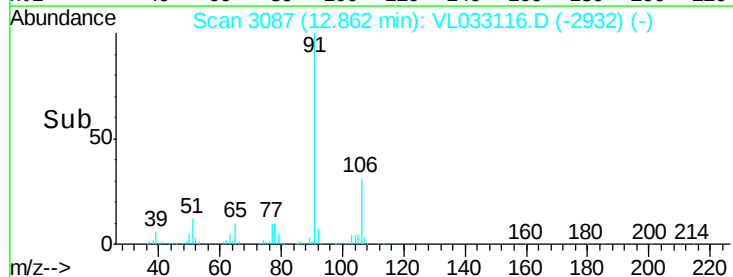
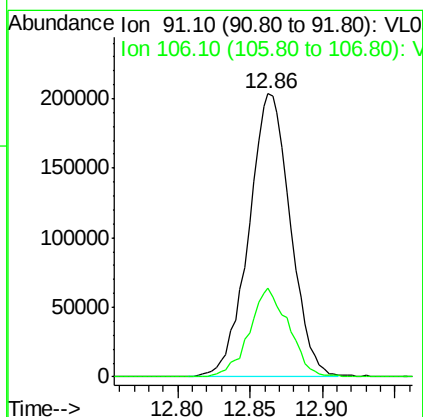
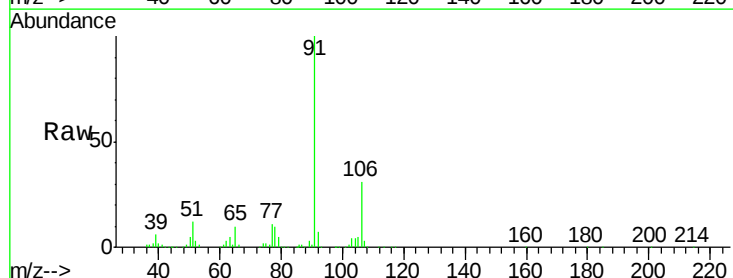
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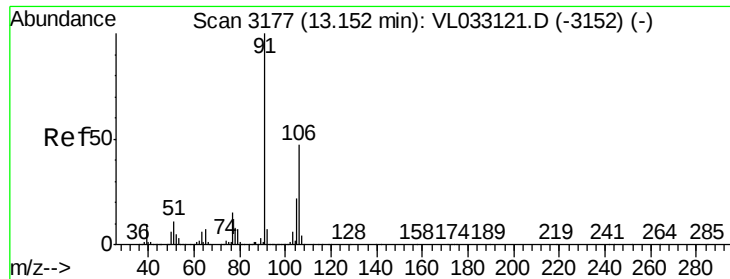
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#58
Ethyl Benzene
Concen: 0.996 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VL033116.D
Acq: 28 Jan 2019 16:59

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.5	24.4	36.6





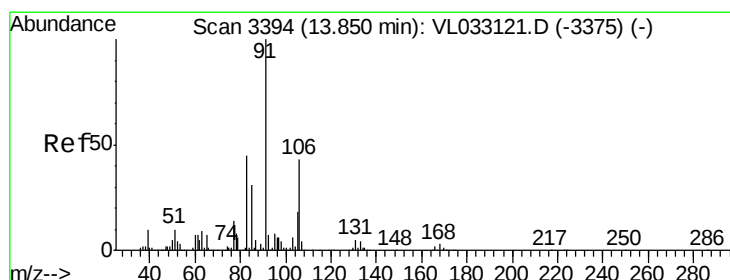
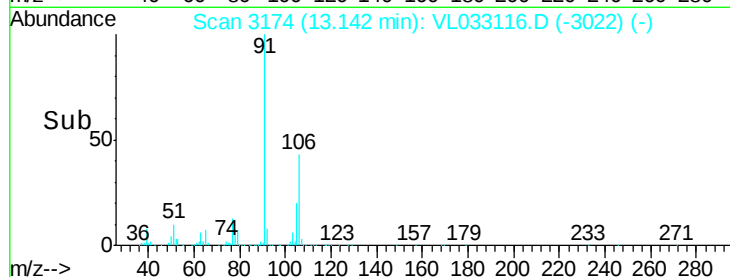
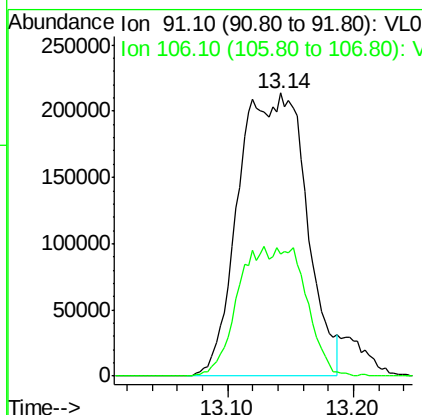
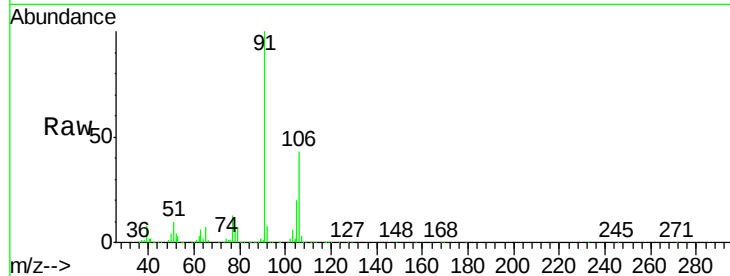
#59
m/p-Xylene
Concen: 2.119 ppbv m
RT: 13.14 min Scan# 3174
Delta R.T. -0.01 min
Lab File: VL033116.D
Acq: 28 Jan 2019 16:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

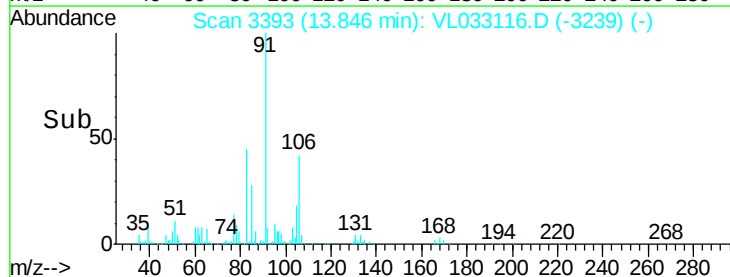
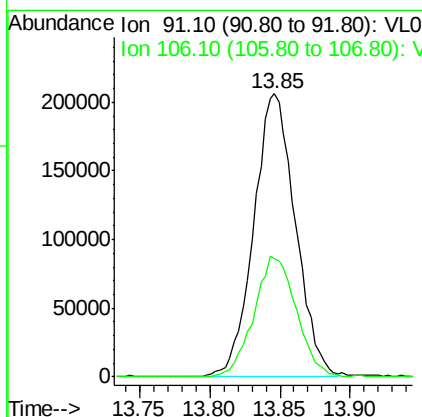
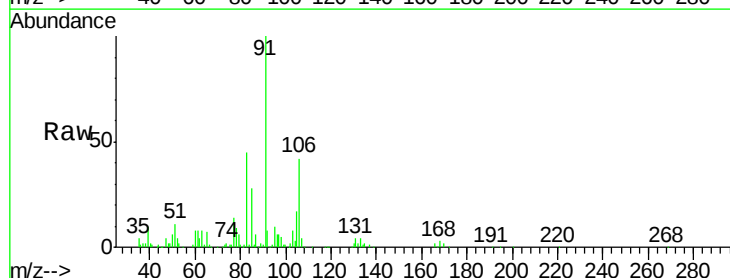
Manual Integrations
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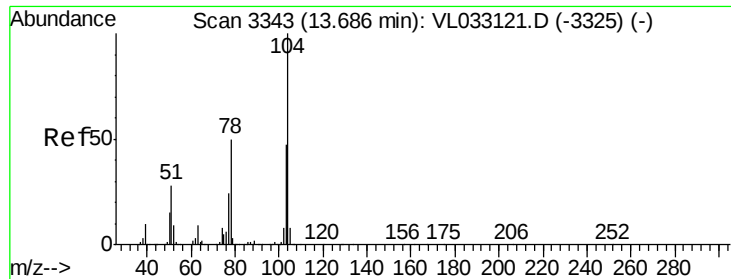
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#60
o-Xylene
Concen: 1.147 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.00 min
Lab File: VL033116.D
Acq: 28 Jan 2019 16:59

Tgt Ion	Ratio	Lower	Upper
91	100		
106	43.8	22.6	67.8





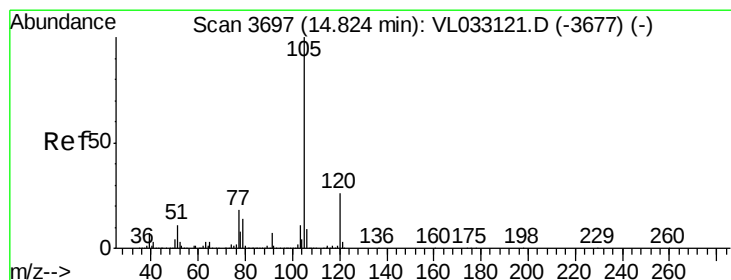
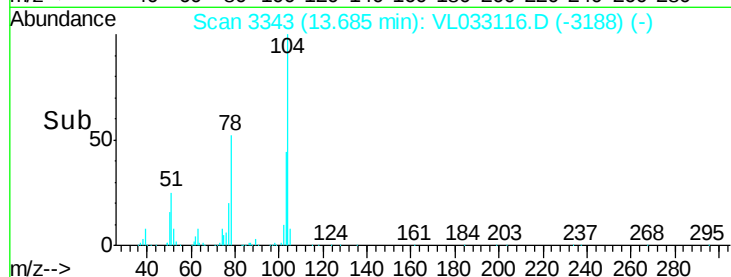
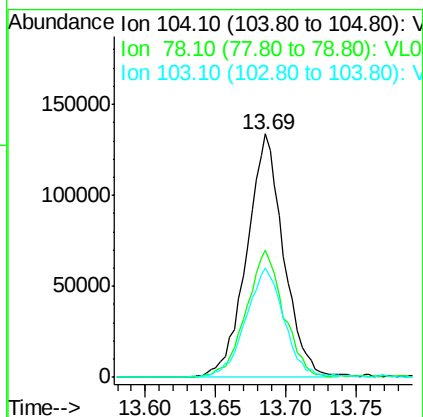
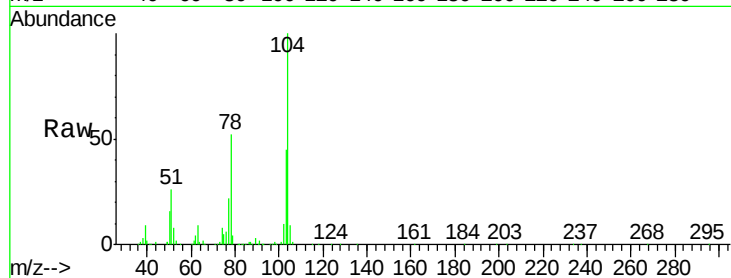
#61
Stvrene
Concen: 1.036 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VL033116.D
Acq: 28 Jan 2019 16:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.7	41.4	62.0
103	47.1	37.8	56.6

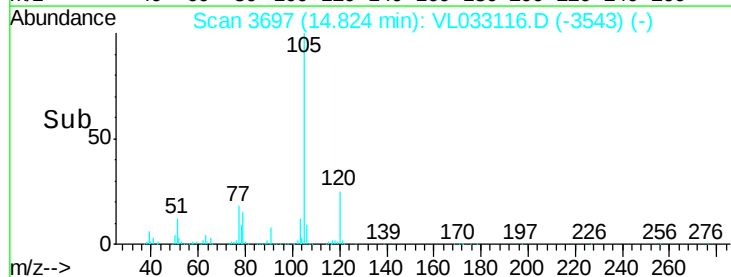
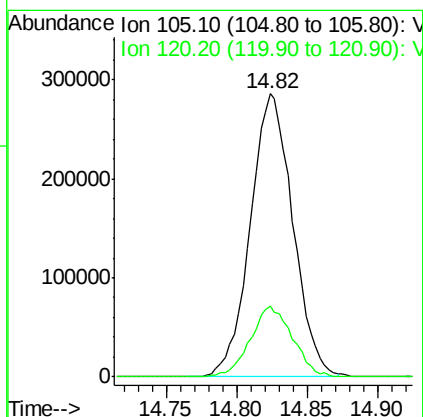
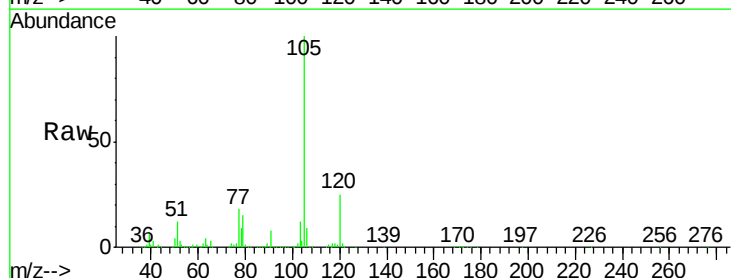
Manual Integrations
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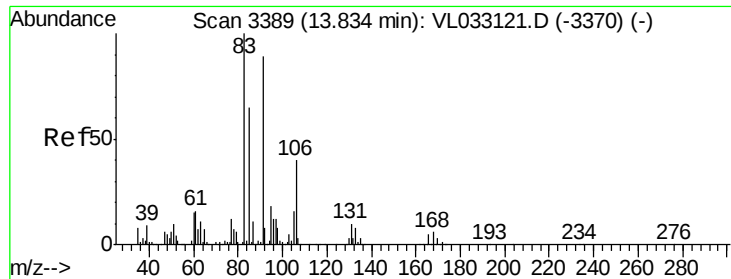
apatel
1/29/2019 2:36:06 PM



#62
Isopropylbenzene
Concen: 1.144 ppbv
RT: 14.82 min Scan# 3697
Delta R.T. -0.00 min
Lab File: VL033116.D
Acq: 28 Jan 2019 16:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.0	20.4	30.6





#63

1,1,2,2-Tetrachloroethane

Concen: 1.213 ppbv

RT: 13.83 min Scan# 3388

Delta R.T. -0.01 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Instrument :

MSVOA_L

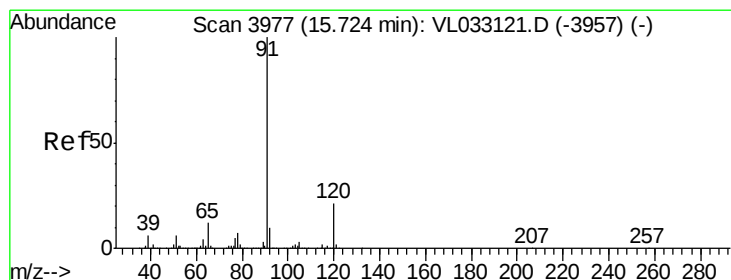
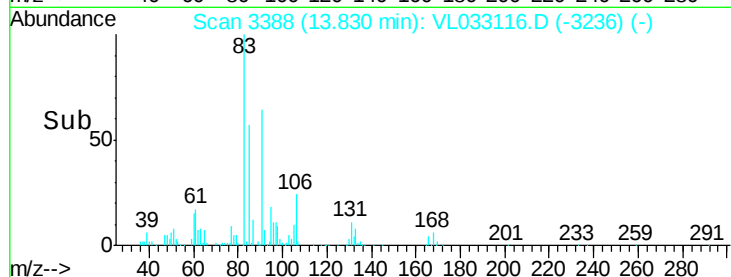
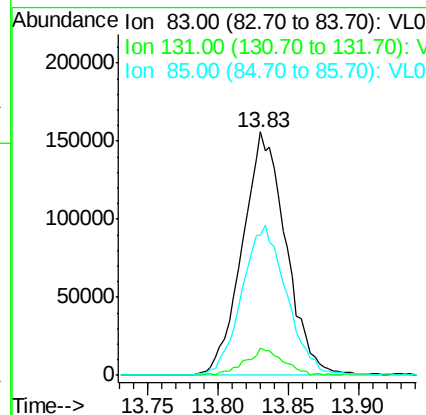
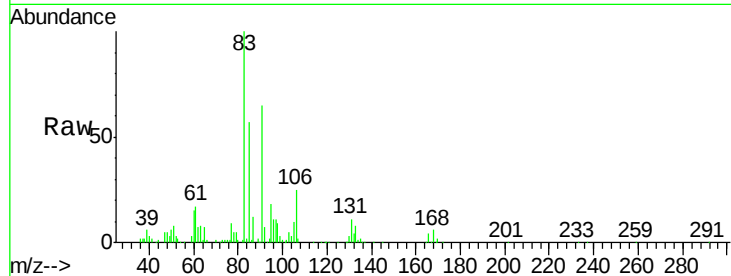
ClientSampleId :

VSTDIC001

Tot Ion:	83	Resp:	332513
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.6
85	64.5	32.5	97.4

Manual Integrations
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#64

n-propylbenzene

Concen: 1.051 ppbv

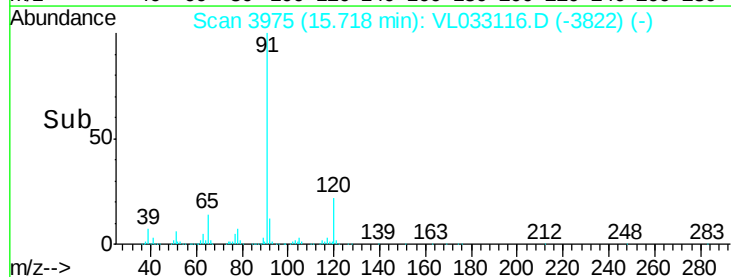
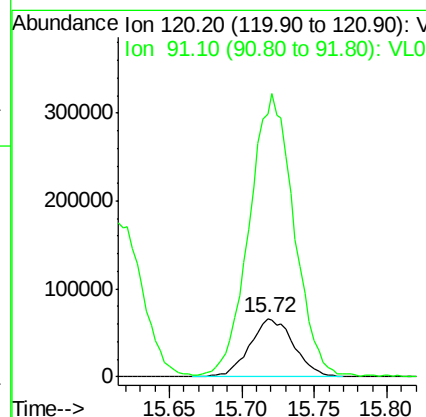
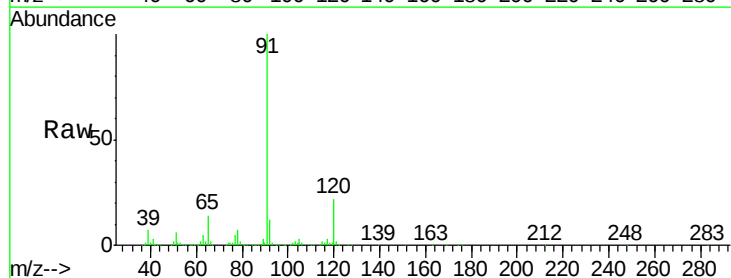
RT: 15.72 min Scan# 3975

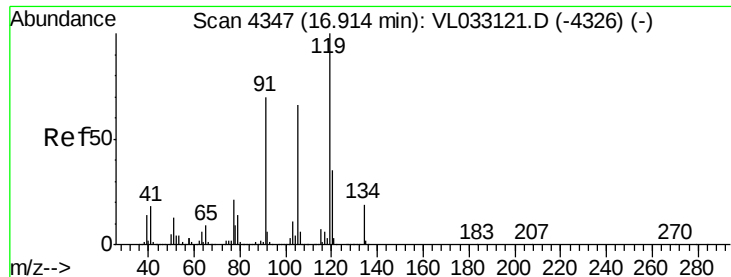
Delta R.T. -0.01 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Tgt Ion:	120	Resp:	140195
Ion Ratio	Lower	Upper	
120	100		
91	492.3	375.7	563.5





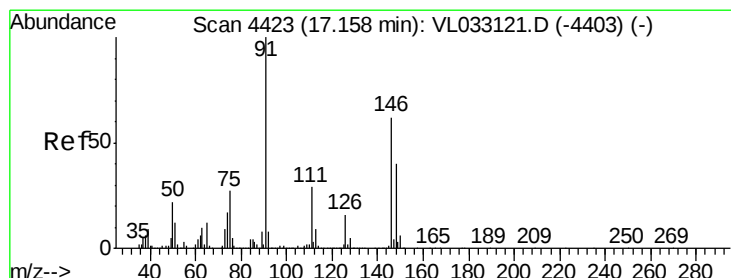
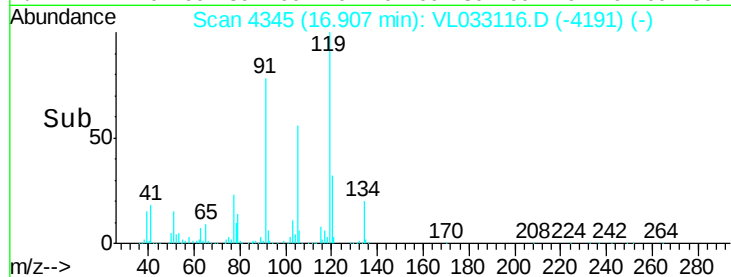
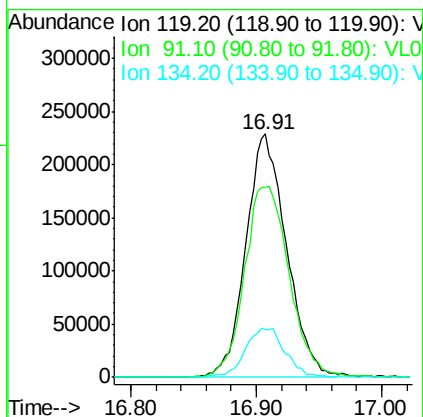
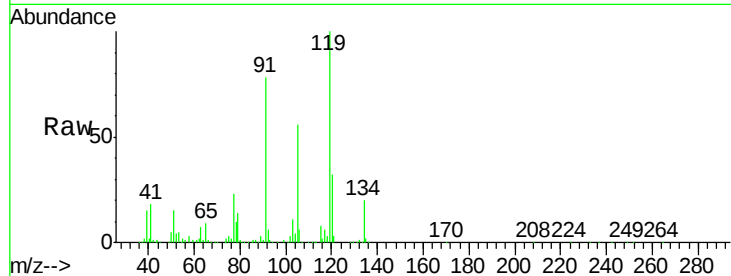
#65
tert-Butylbenzene
Concen: 1.108 ppbv
RT: 16.91 min Scan# 4345
Delta R.T. -0.00 min
Lab File: VL033116.D
Acq: 28 Jan 2019 16:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	515593		
91	86.7	64.5	96.7	
134	19.9	15.7	23.5	

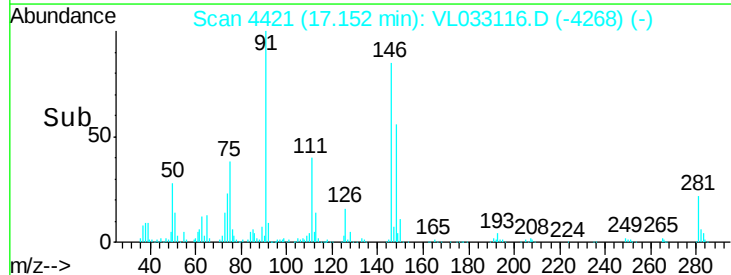
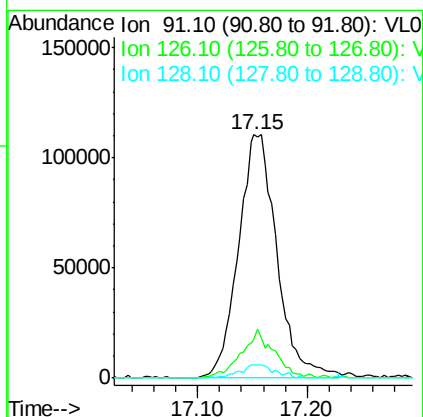
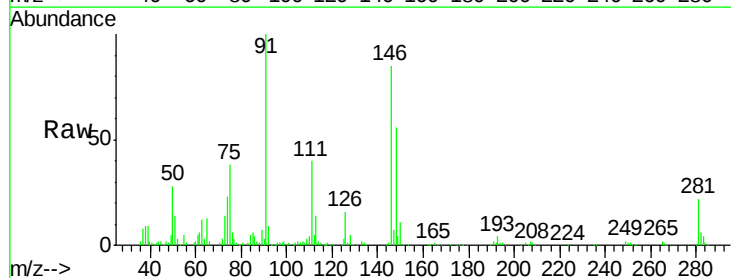
Manual Integrations
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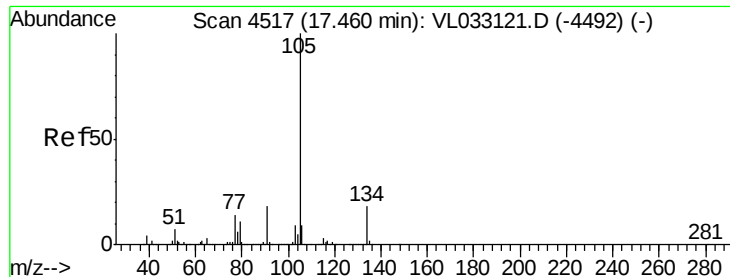
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#66
Benzyl Chloride
Concen: 1.018 ppbv m
RT: 17.15 min Scan# 4421
Delta R.T. -0.01 min
Lab File: VL033116.D
Acq: 28 Jan 2019 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	269938		
126	0.0	14.3	21.5#	
128	5.1	4.6	7.0	





#67

sec-Butylbenzene

Concen: 1.099 ppbv

RT: 17.45 min Scan# 4515

Delta R.T. -0.01 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 105 Resp: 731974

Ion Ratio Lower Upper

105 100

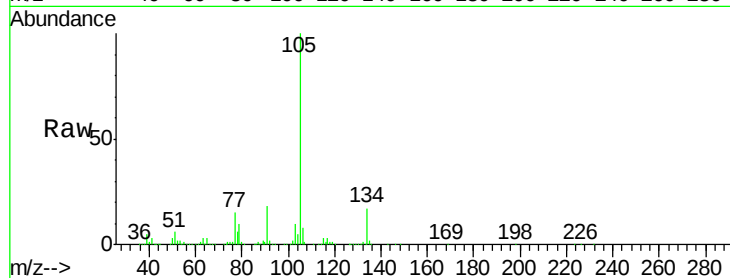
134 18.0 14.8 22.2

Manual Integrations

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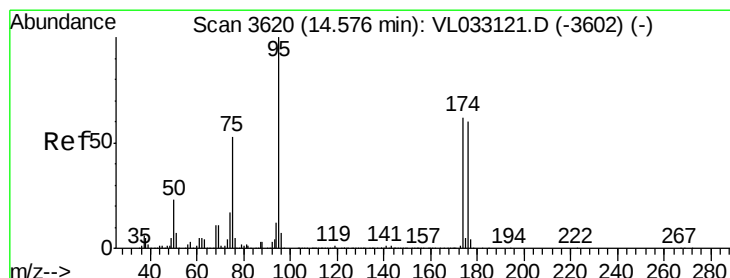
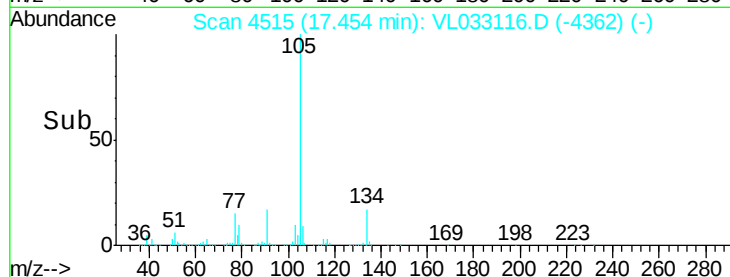
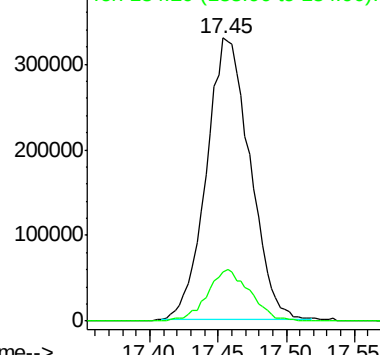
apatel

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.841 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.00 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

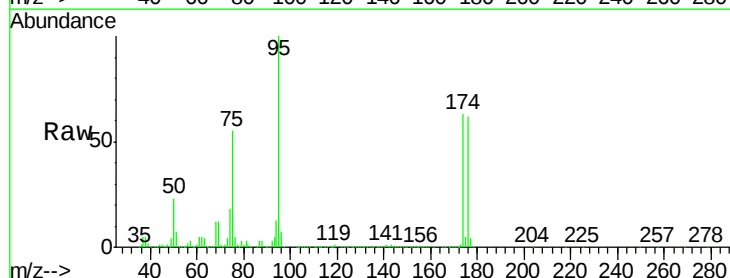
Tgt Ion: 95 Resp: 2682202

Ion Ratio Lower Upper

95 100

174 64.7 51.4 77.2

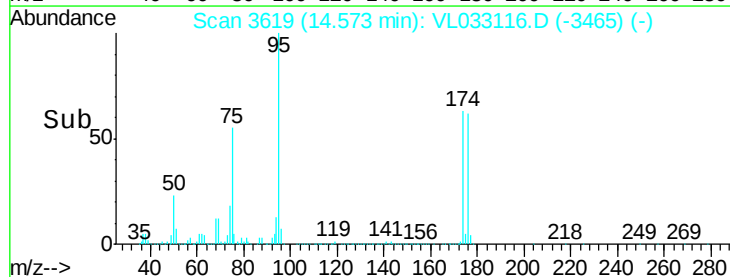
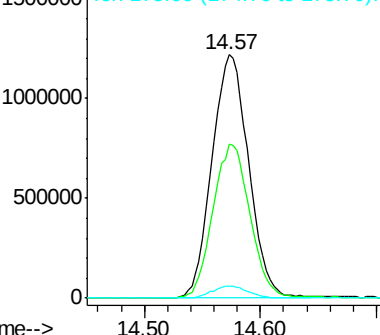
175 4.8 4.0 6.0

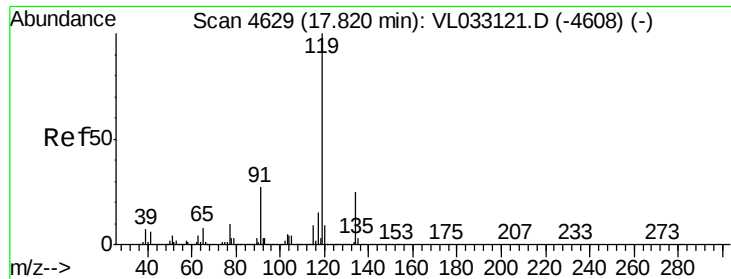


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





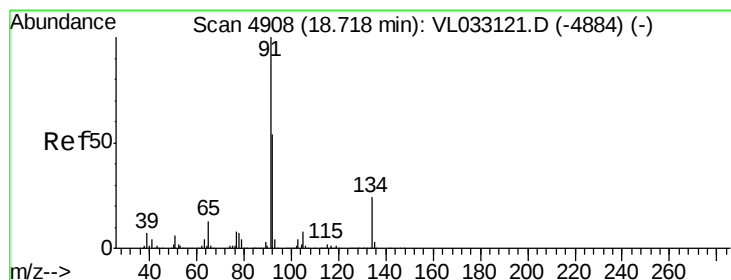
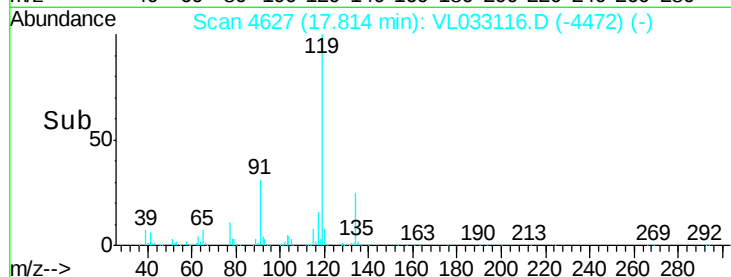
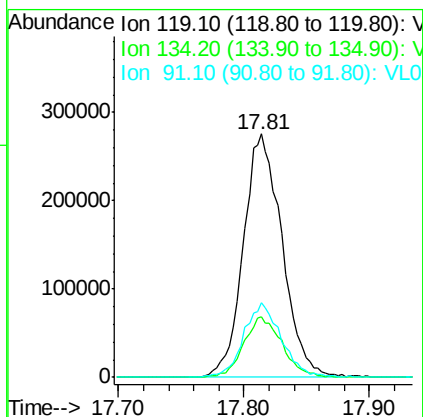
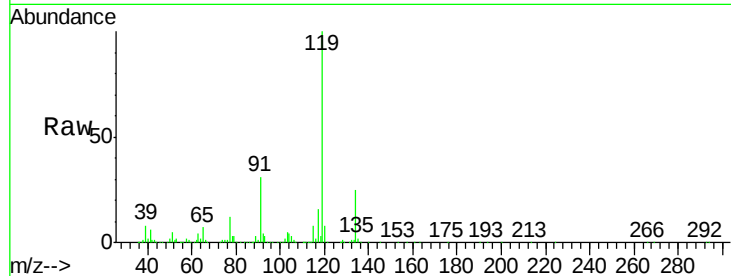
#69
 p-Isopropyltoluene
 Concen: 1.094 ppbv
 RT: 17.81 min Scan# 4627
 Delta R.T. -0.00 min
 Lab File: VL033116.D
 Acq: 28 Jan 2019 16:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	591252		
134	24.8	20.4	30.6	
91	29.8	22.8	34.2	

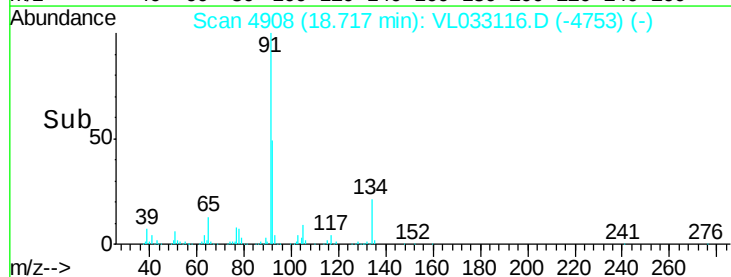
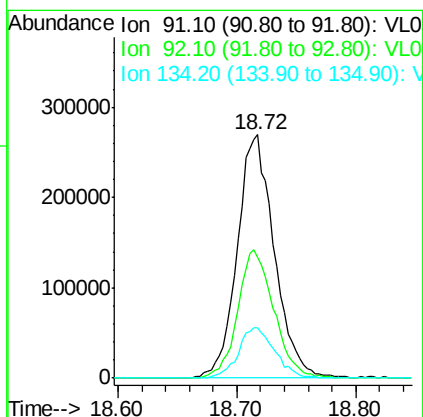
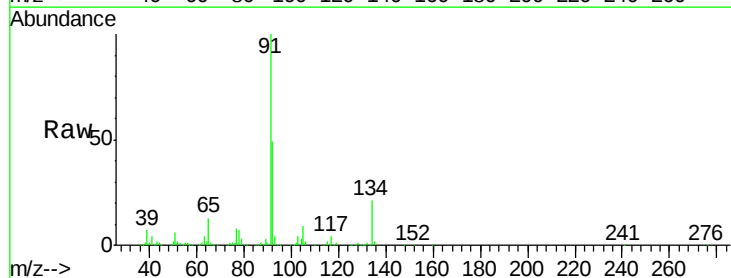
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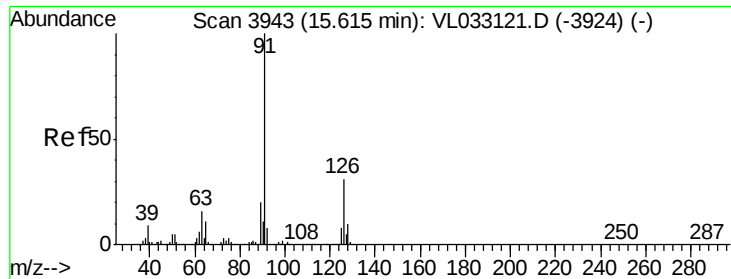
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#70
 n-Butylbenzene
 Concen: 1.066 ppbv
 RT: 18.72 min Scan# 4908
 Delta R.T. -0.00 min
 Lab File: VL033116.D
 Acq: 28 Jan 2019 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	578858		
92	51.7	43.0	64.6	
134	20.7	18.4	27.6	





#71

2-Chlorotoluene

Concen: 0.972 ppbv

RT: 15.61 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 362192

Ion Ratio Lower Upper

91 100

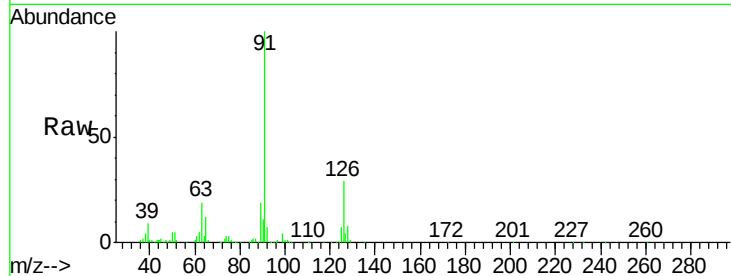
126 31.0 12.4 49.8

Manual Integrations

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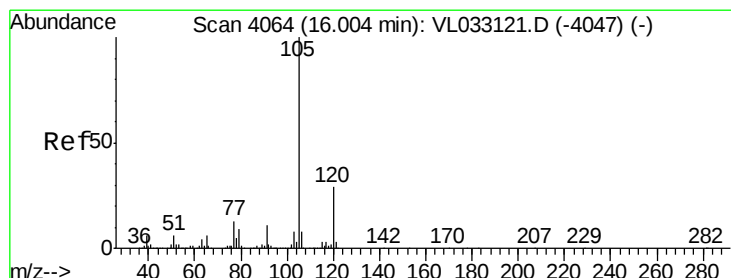
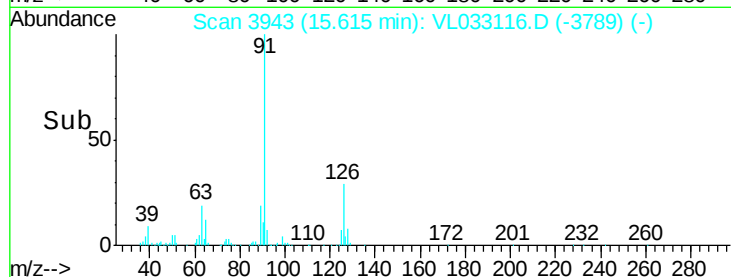
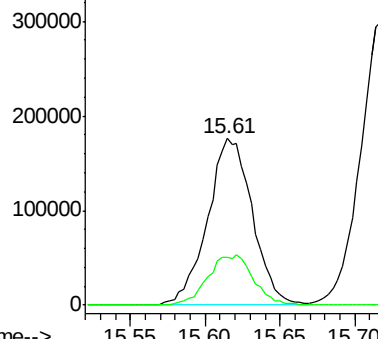
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 1.003 ppbv

RT: 16.00 min Scan# 4062

Delta R.T. -0.01 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Tgt Ion: 105 Resp: 406875

Ion Ratio Lower Upper

105 100

120 28.6 23.5 35.3

91 14.9 10.3 15.5

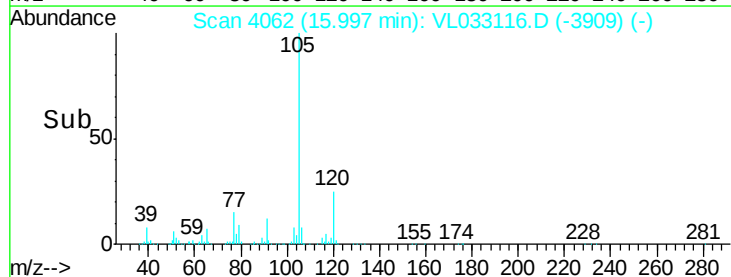
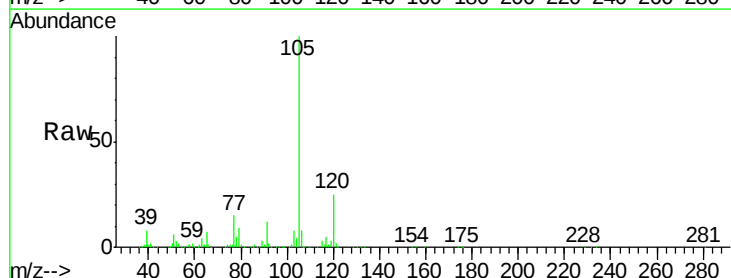
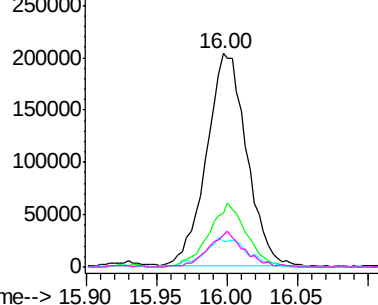
77 14.8 11.0 16.4

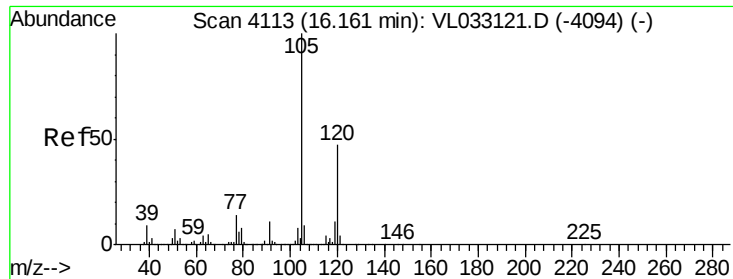
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 1.070 ppbv

RT: 16.16 min Scan# 4112

Delta R.T. -0.00 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 428011

Ion Ratio Lower Upper

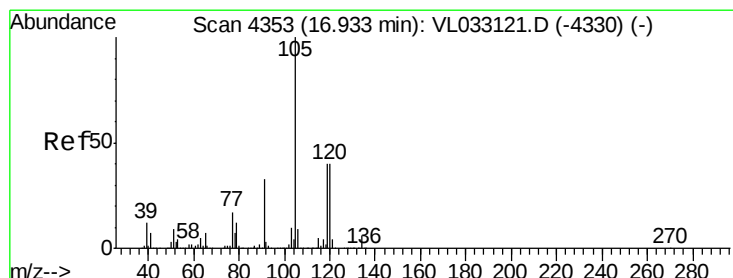
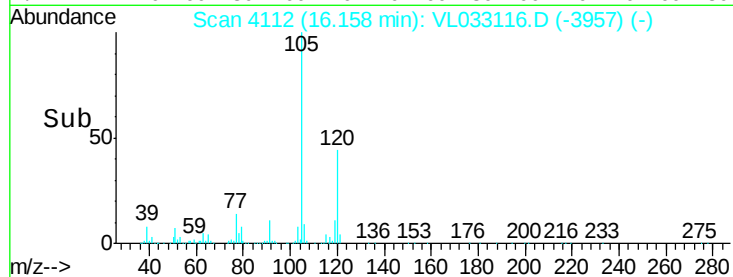
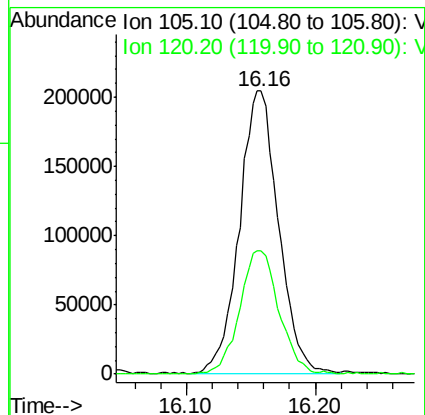
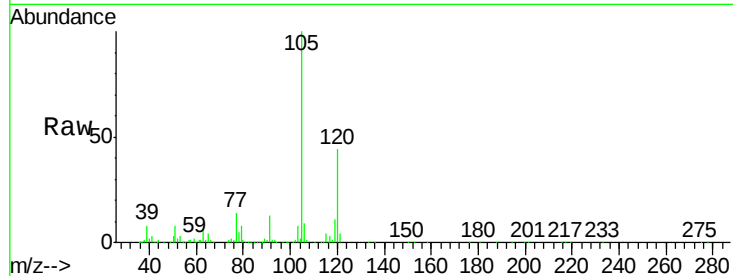
105 100

120 43.7 37.5 56.3

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#74

1,2,4-Trimethylbenzene

Concen: 1.075 ppbv

RT: 16.92 min Scan# 4350

Delta R.T. -0.00 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Tgt Ion:105 Resp: 476306

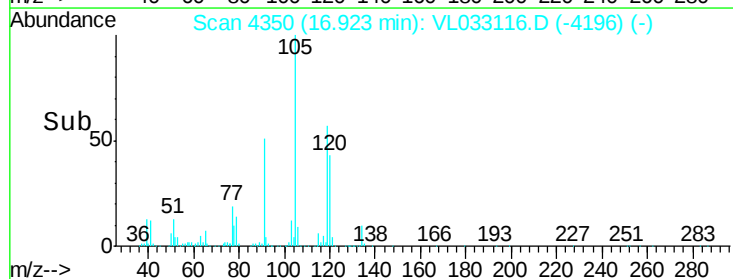
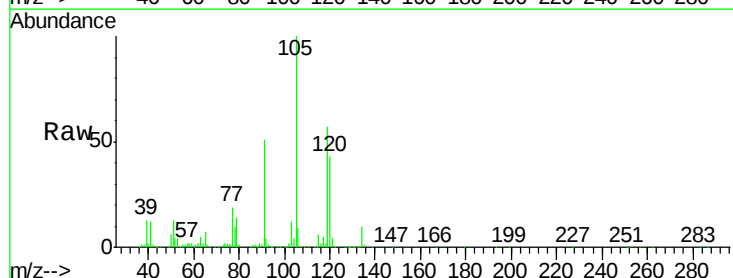
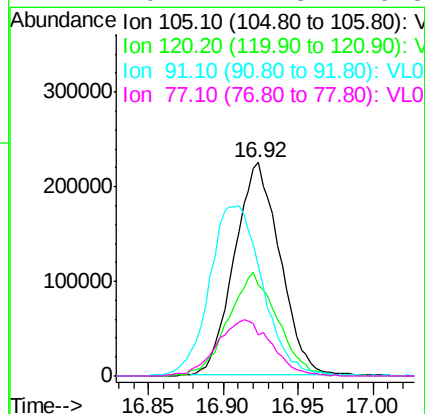
Ion Ratio Lower Upper

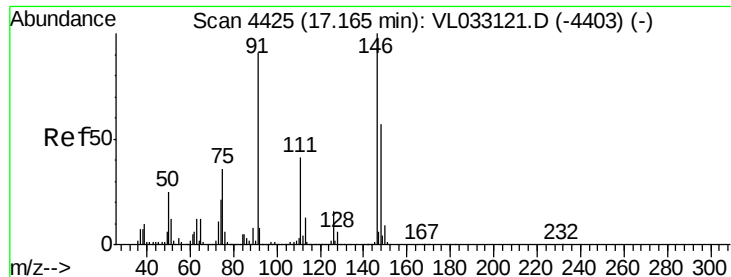
105 100

120 42.3 37.9 56.9

91 51.0 39.8 59.8

77 19.1 17.8 26.8





#75

1,3-Dichlorobenzene

Concen: 1.136 ppbv m

RT: 17.17 min Scan# 4426

Delta R.T. -0.00 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Instrument :

MSVOA_L

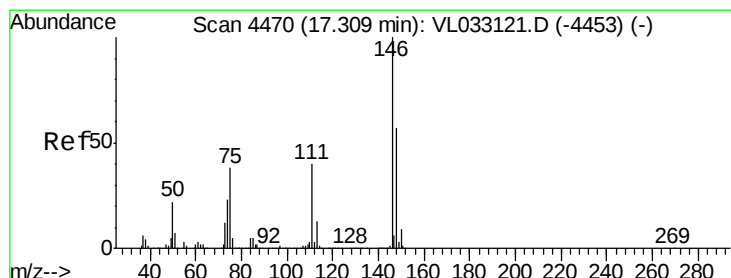
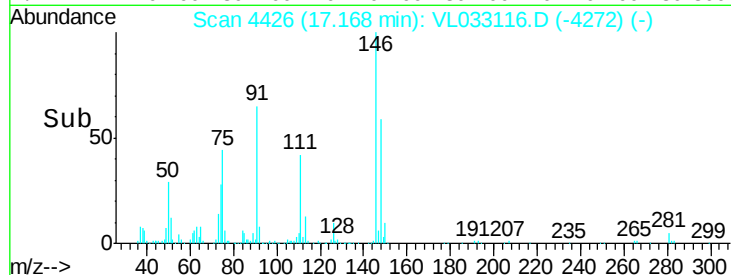
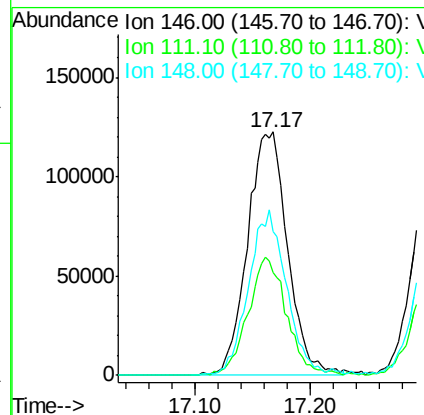
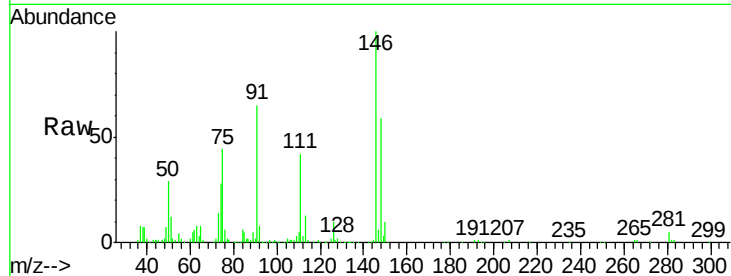
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.4	70.0#
148	64.9	32.1	96.3

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 1.072 ppbv

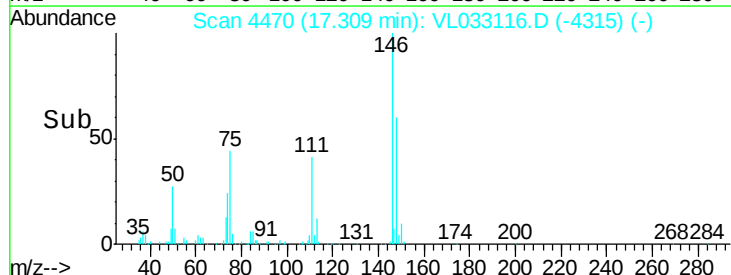
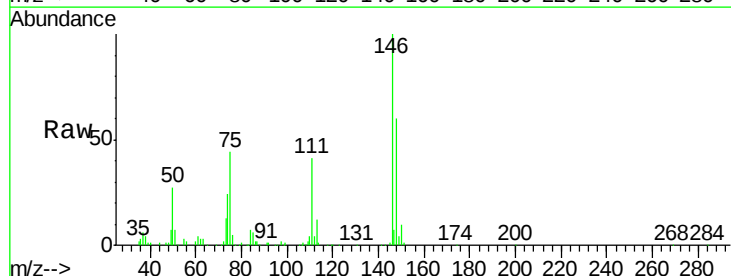
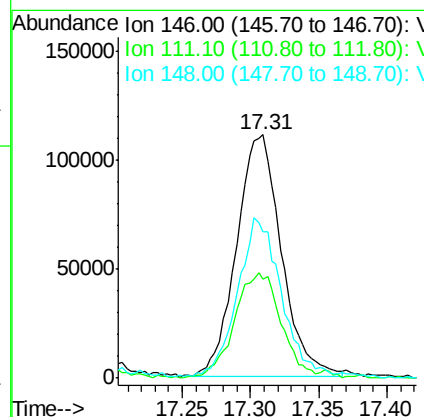
RT: 17.31 min Scan# 4470

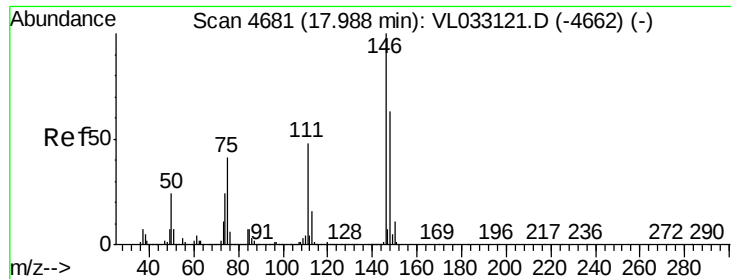
Delta R.T. -0.00 min

Lab File: VL033116.D

Acq: 28 Jan 2019 16:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.5	22.7	68.0
148	66.2	32.1	96.3





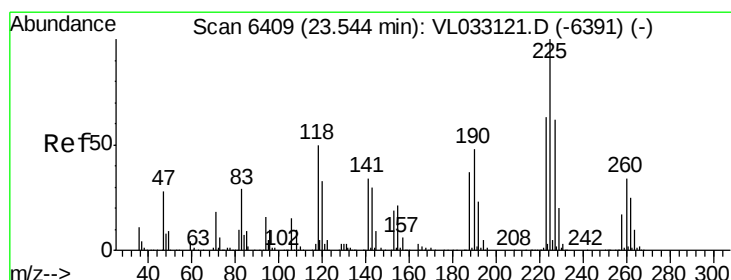
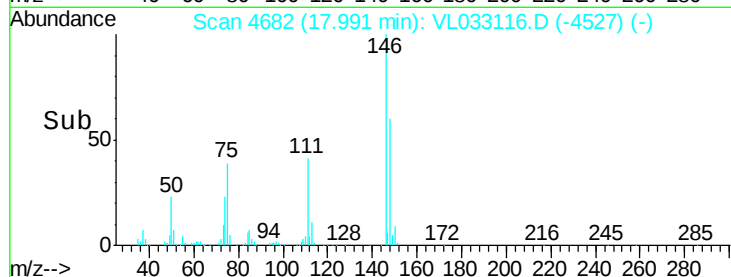
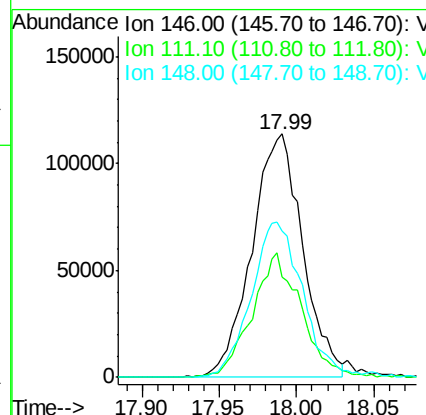
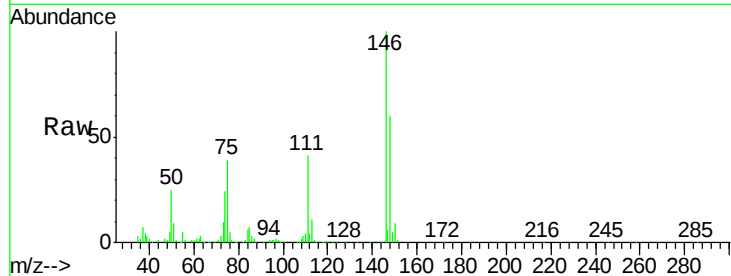
#77
 1,2-Dichlorobenzene
 Concen: 1.100 ppbv
 RT: 17.99 min Scan# 4682
 Delta R.T. -0.00 min
 Lab File: VL033116.D
 Acq: 28 Jan 2019 16:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.0	24.4	73.2
148	65.6	32.6	97.7

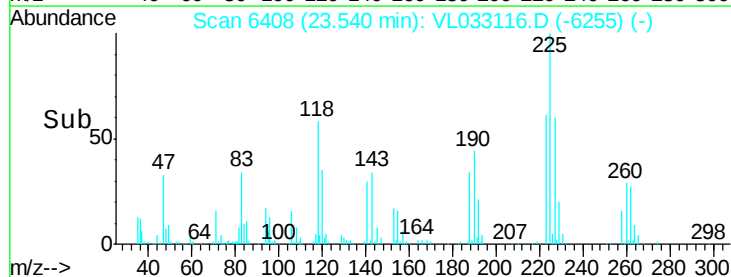
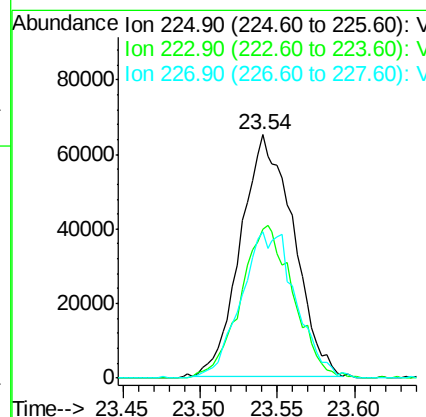
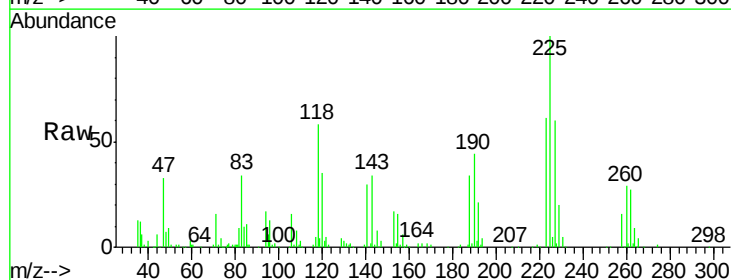
Manual Integrations
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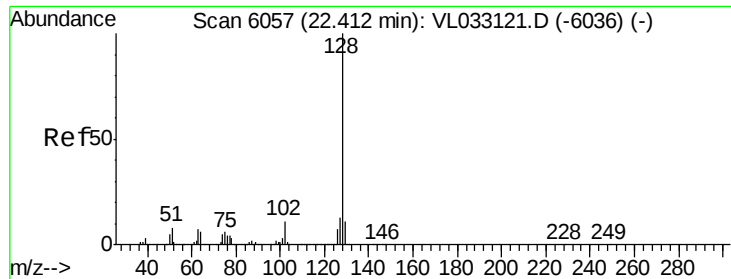
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.854 ppbv
 RT: 23.54 min Scan# 6408
 Delta R.T. -0.01 min
 Lab File: VL033116.D
 Acq: 28 Jan 2019 16:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.5	75.7
227	62.9	51.0	76.4





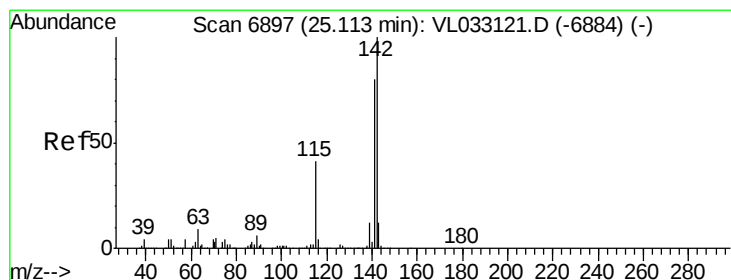
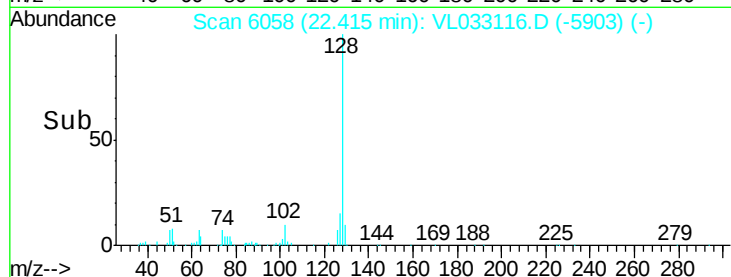
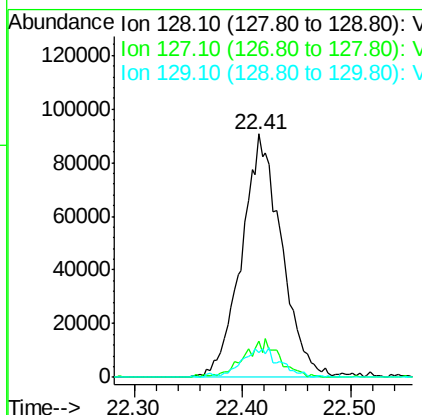
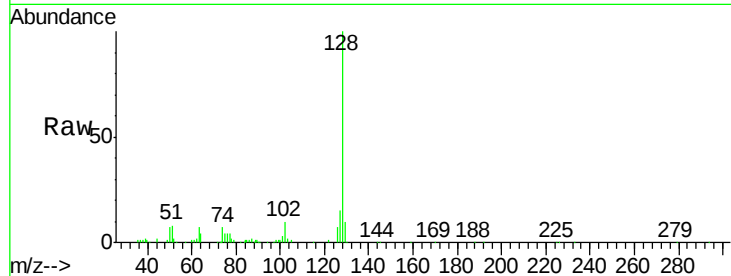
#79
Naphthalene
Concen: 0.622 ppbv m
RT: 22.41 min Scan# 6058
Delta R.T. -0.00 min
Lab File: VL033116.D
Acq: 28 Jan 2019 16:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.1	10.6	15.8
129	10.0	9.2	13.8

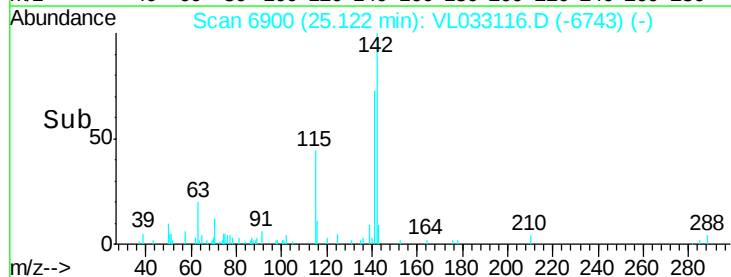
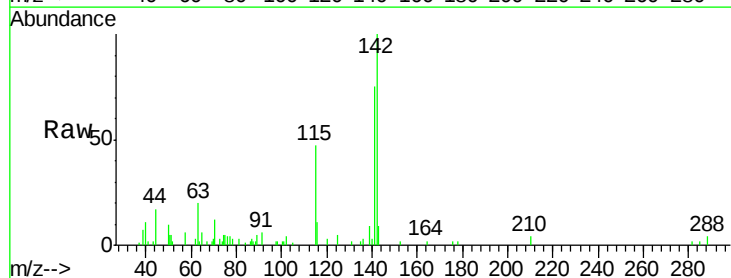
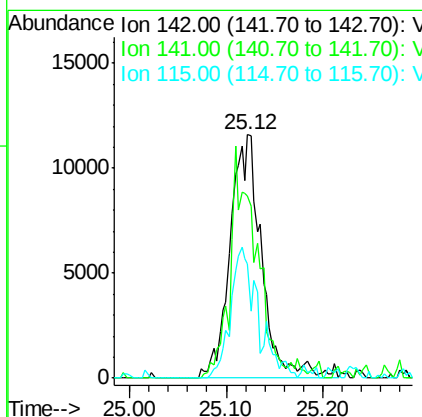
Manual Integrations
APPROVED

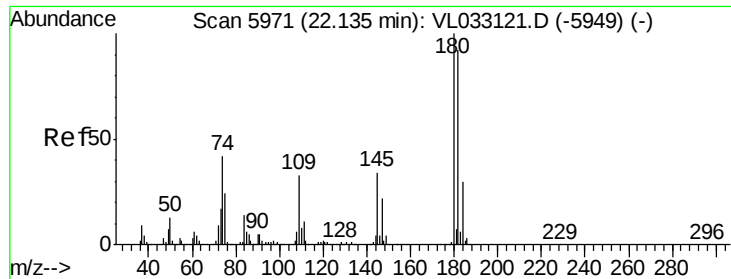
apatel
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#80
Naphthalene, 2-methyl-
Concen: 0.232 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.01 min
Lab File: VL033116.D
Acq: 28 Jan 2019 16:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	80.1	67.4	101.2
115	48.6	34.9	52.3





#81
 1,2,4-Trichlorobenzene
 Concen: 0.727 ppbv m
 RT: 22.14 min Scan# 5974
 Delta R.T. 0.01 min
 Lab File: VL033116.D
 Acq: 28 Jan 2019 16:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.7	76.5	114.7	
184	0.0	24.2	36.4	

Manual Integrations
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