

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020519\
 Data File : VL033171.D
 Acq On : 6 Feb 2019 3:09
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 2/20/2019 12:21:03 PM

Quant Time: Feb 20 05:49:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 20 05:49:09 2019
 QLast Update : Wed Feb 20 05:04:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	945938	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2645657	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2575591	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2045161	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	227672	1.259	ppbv	99
3) Chlorodifluoromethane	3.02	51	136142	1.195	ppbv	100
4) Chloromethane	3.17	50	70098	1.166	ppbv	98
5) Vinyl Chloride	3.29	62	67562	1.075	ppbv	97
6) Bromomethane	3.51	94	41688	1.208	ppbv	99
7) Chloroethane	3.60	64	24452	1.191	ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	173825	1.229	ppbv	98
9) Propene	3.04	41	66486	1.208	ppbv	97
10) Heptane	8.25	43	197588	1.187	ppbv	98
11) Trichlorofluoromethane	4.00	101	175240	1.197	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	122193	1.204	ppbv	98
13) Ethanol	3.65	45	27556	1.502	ppbv	99
14) Bromoethene	3.79	108	52608	1.202	ppbv	97
15) Acetone	3.91	43	134807	1.265	ppbv	98
16) 1,3-Butadiene	3.36	39	63896	1.263	ppbv	92
17) tert-Butyl alcohol	4.37	59	25981m	1.279	ppbv	
18) 1,1-Dichloroethene	4.35	96	52036	1.146	ppbv	89
19) Isopropyl Alcohol	4.03	45	96293	1.332	ppbv #	97
20) Methylene Chloride	4.41	84	52392	1.236	ppbv	98
21) Allyl Chloride	4.48	41	80996	1.151	ppbv	97
22) trans-1,2-Dichloroethene	4.96	96	51525	1.168	ppbv	91
23) Vinyl Acetate	5.16	43	209326	1.133	ppbv	97
24) 1,1-Dichloroethane	5.09	63	156697	1.199	ppbv	98
25) Ethyl Acetate	5.77	43	271496	1.133	ppbv	99
26) Hexane	5.78	57	128815	1.145	ppbv	96
27) Carbon Disulfide	4.62	76	114984	1.116	ppbv #	91
28) Methyl tert-Butyl Ether	5.12	73	185864	1.209	ppbv	99
29) Chloroform	5.85	83	191539	1.111	ppbv	96
30) Cyclohexane	7.25	84	127881	1.225	ppbv	96
31) cis-1,2-Dichloroethene	5.64	61	123189	1.094	ppbv	97
32) 1,1,1-Trichloroethane	6.62	97	208390	1.098	ppbv	98
34) 2-Butanone	5.34	43	186406	1.111	ppbv	100
35) Carbon Tetrachloride	7.13	117	211399	1.046	ppbv	98
36) Benzene	7.00	78	310274	1.157	ppbv	96
37) 1,2-Dichloroethane	6.41	62	170415	1.147	ppbv	99
38) Trichloroethene	7.96	130	112945	0.984	ppbv	88
39) 1,2-Dichloropropane	7.73	63	119030	1.124	ppbv	90
40) 1,4-Dioxane	7.98	88	48163m	1.251	ppbv	
41) Tetrahydrofuran	6.16	42	123712m	1.191	ppbv	
42) Bromodichloromethane	7.92	83	237085	1.101	ppbv #	98
43) Methyl Methacrylate	8.14	69	116694	1.084	ppbv	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	515933	1.135	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	114692	0.959	ppbv	92
46) cis-1,3-Dichloropropene	8.84	75	160147	1.051	ppbv	98
47) 1,1,2-Trichloroethane	9.61	97	120574m	1.097	ppbv	
48) Dibromochloromethane	10.46	129	189089	1.093	ppbv	100
49) Bromoform	13.20	173	158581m	1.065	ppbv	
50) 4-Methyl-2-Pentanone	8.88	43	300809	1.118	ppbv	100
51) 2-Hexanone	10.29	43	232111	1.094	ppbv #	100
52) Tetrachloroethene	11.37	164	107330m	1.042	ppbv	
53) Toluene	9.95	91	357378	1.126	ppbv	100
54) 1,2-Dibromoethane	10.76	107	193609	1.123	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.28	131	133726	1.115	ppbv #	1
57) Chlorobenzene	12.30	112	266564	1.169	ppbv	95
58) Ethyl Benzene	12.87	91	504262	1.193	ppbv	97
59) m/p-Xylene	13.15	91	845195m	2.403	ppbv	
60) o-Xylene	13.85	91	417244	1.217	ppbv	98
61) Styrene	13.69	104	306862	1.185	ppbv	99
62) Isopropylbenzene	14.83	105	581631	1.202	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	288239	1.075	ppbv	98
64) n-propylbenzene	15.73	120	149453	1.215	ppbv	95
65) tert-Butylbenzene	16.91	119	517113	1.227	ppbv	97
66) Benzyl Chloride	17.16	91	128796	0.855	ppbv	98
67) sec-Butylbenzene	17.46	105	761145	1.244	ppbv	98
69) p-Isopropyltoluene	17.82	119	639657	1.256	ppbv	99
70) n-Butylbenzene	18.72	91	711116	1.294	ppbv	98
71) 2-Chlorotoluene	15.62	91	459186	1.208	ppbv	99
72) 4-Ethyltoluene	16.00	105	478154	1.209	ppbv	98
73) 1,3,5-Trimethylbenzene	16.16	105	450021	1.190	ppbv	93
74) 1,2,4-Trimethylbenzene	16.93	105	482223	1.229	ppbv	94
75) 1,3-Dichlorobenzene	17.17	146	273190	1.207	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	264092	1.178	ppbv	98
77) 1,2-Dichlorobenzene	17.99	146	272687	1.219	ppbv	97
78) Hexachloro-1,3-Butadiene	23.55	225	133223	1.198	ppbv	98
79) Naphthalene	22.42	128	511631	1.213	ppbv	98
80) Naphthalene,2-methyl-	25.12	142	248957	1.167	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	263343	1.229	ppbv	100

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

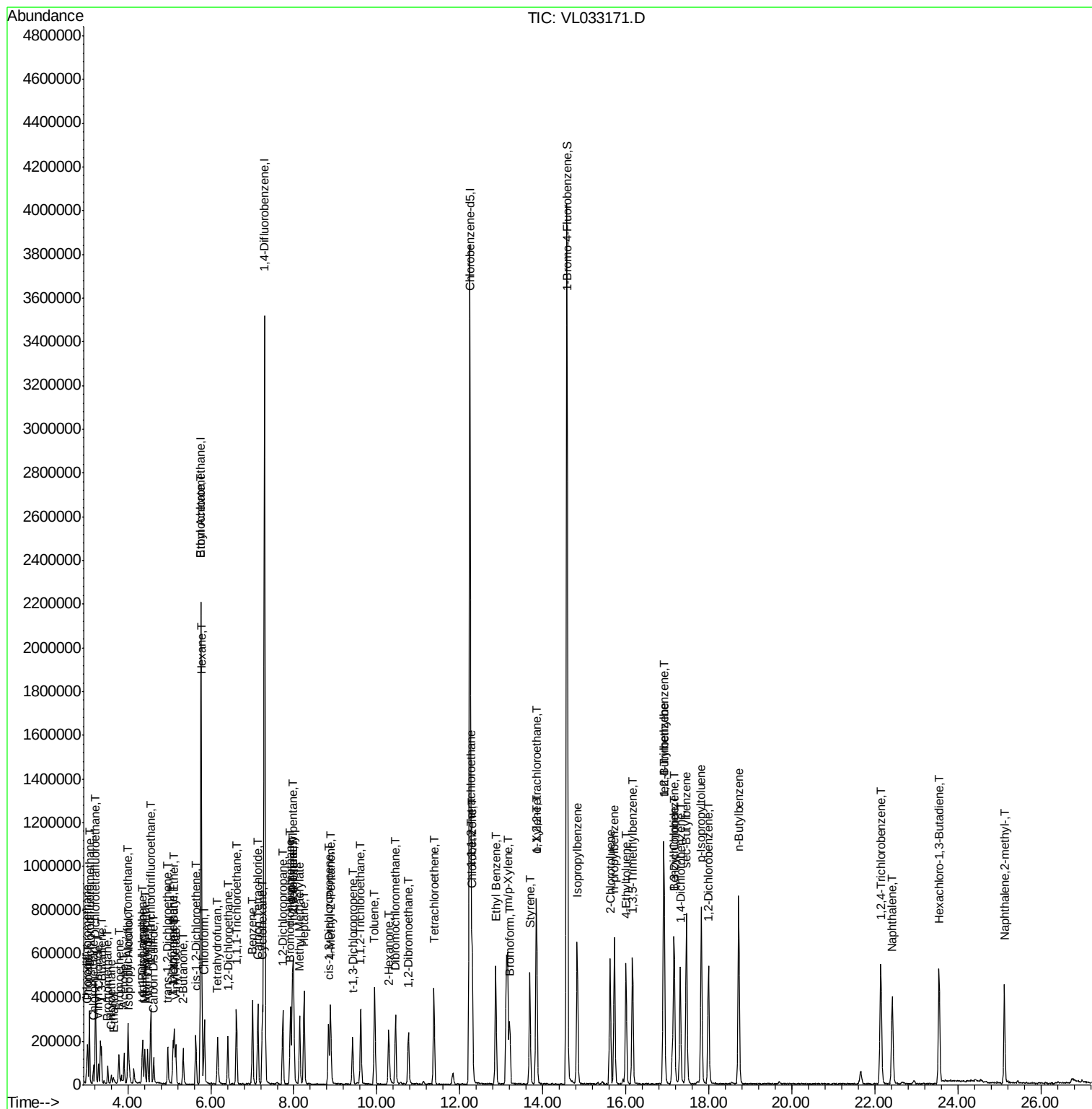
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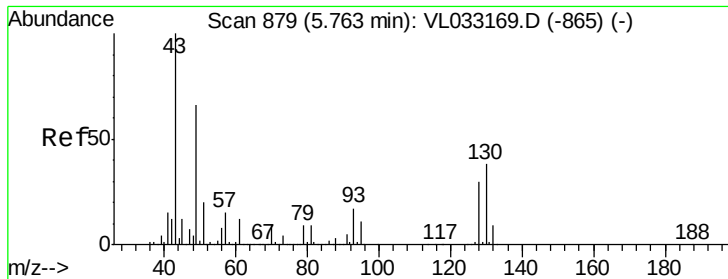
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033171.D

Acq: 6 Feb 2019 3:09

Instrument :

MSVOA_L

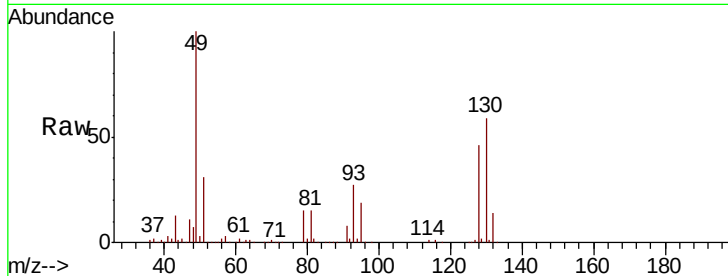
ClientSampleId :

VSTDIC001

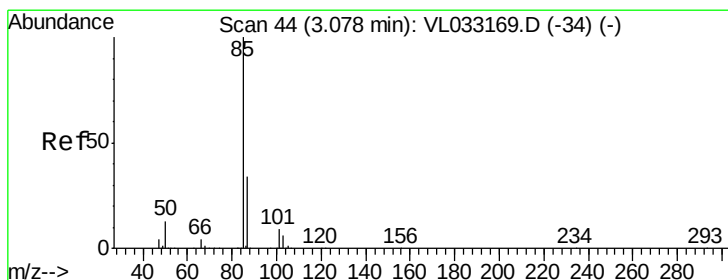
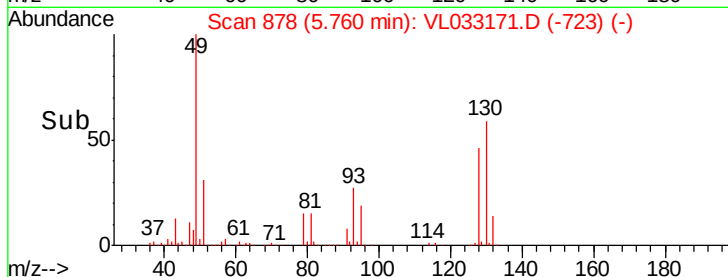
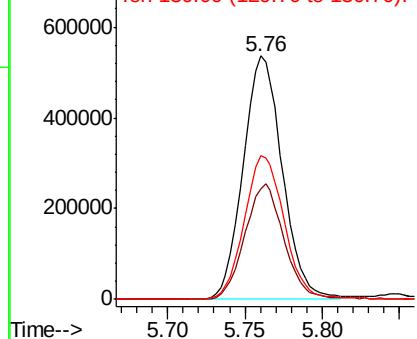
Tgt Ion:	49	Resp:	945938
Ion Ratio	Lower	Upper	
49	100		
128	47.8	23.6	71.0
130	60.8	30.3	91.0

Manual Integrations
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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: 1.259 ppbv

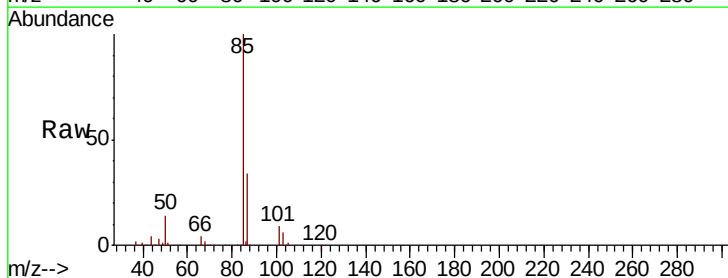
RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

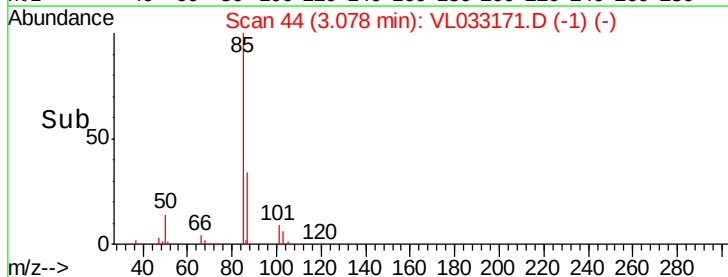
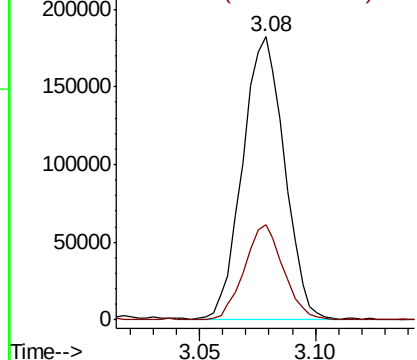
Lab File: VL033171.D

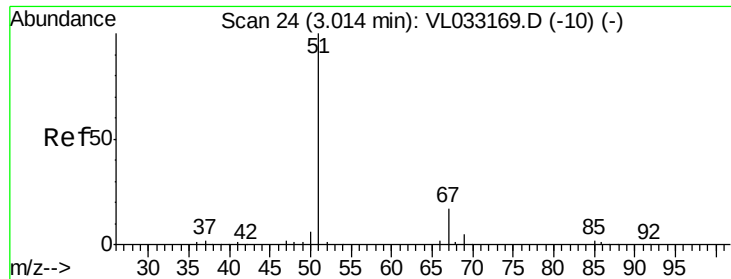
Acq: 6 Feb 2019 3:09

Tgt Ion:	85	Resp:	227672
Ion Ratio	Lower	Upper	
85	100		
87	33.5	27.4	41.2



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.195 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL033171.D

Acq: 6 Feb 2019 3:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 51 Resp: 136142

Ion Ratio Lower Upper

51 100

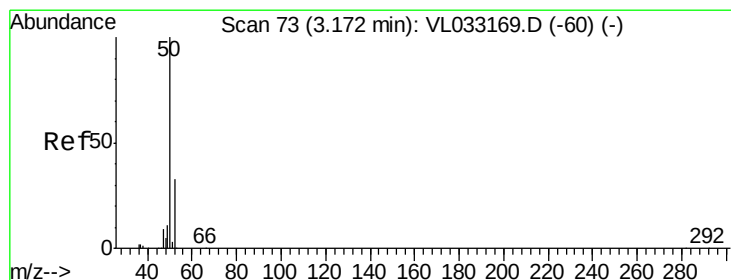
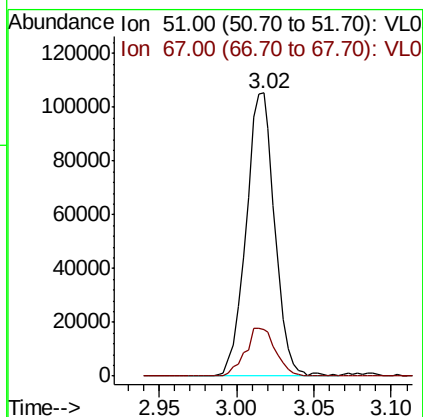
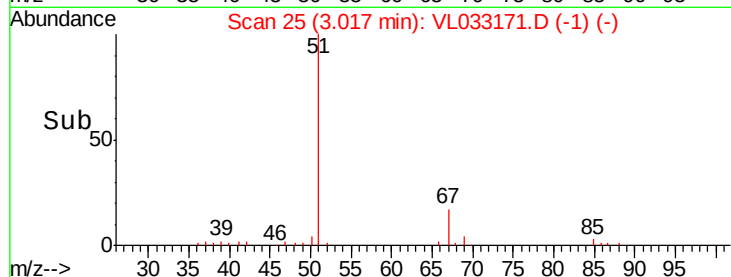
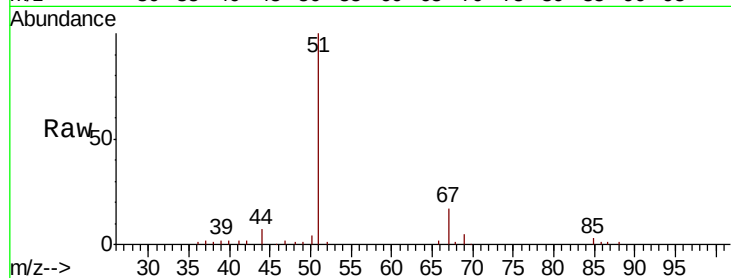
67 17.7 14.0 21.0

Manual Integrations

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#4

Chloromethane

Concen: 1.166 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033171.D

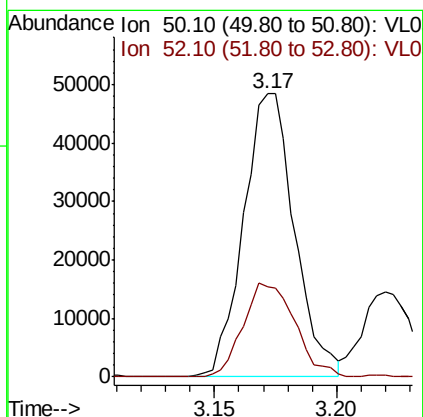
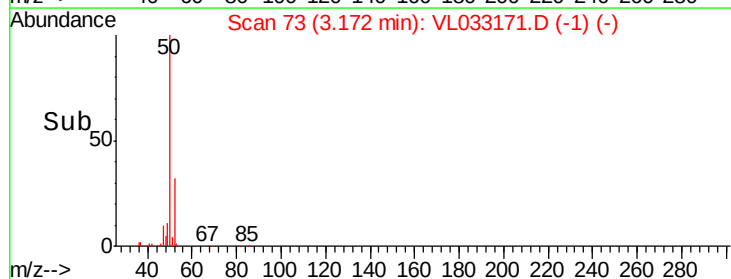
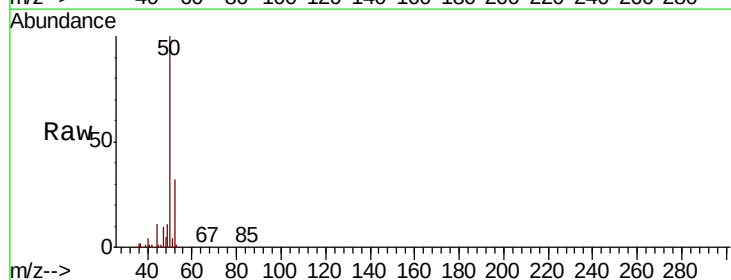
Acq: 6 Feb 2019 3:09

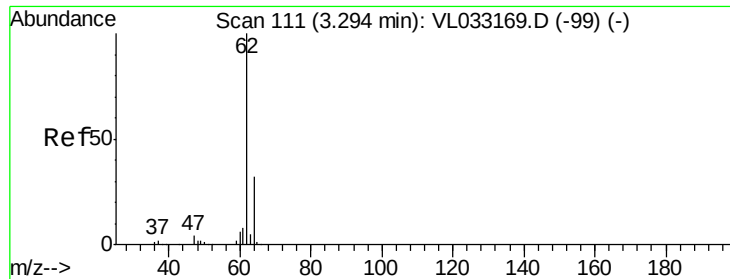
Tgt Ion: 50 Resp: 70098

Ion Ratio Lower Upper

50 100

52 31.7 26.5 39.7





#5

Vinyl Chloride

Concen: 1.075 ppbv

RT: 3.29 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL033171.D

Acq: 6 Feb 2019 3:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 62 Resp: 67562

Ion Ratio Lower Upper

62 100

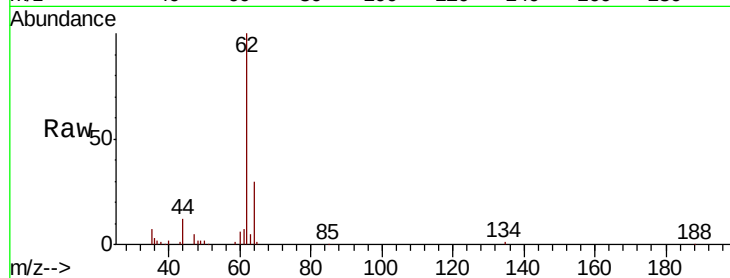
64 30.1 25.6 38.4

Manual Integrations

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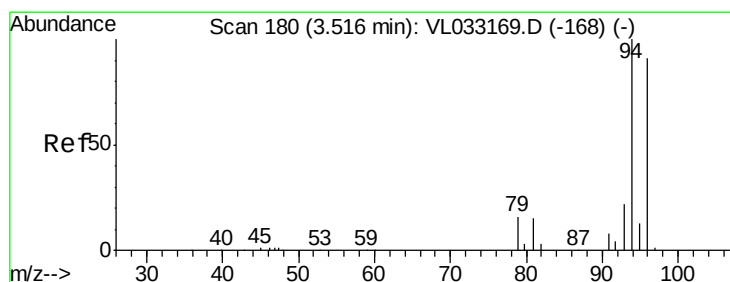
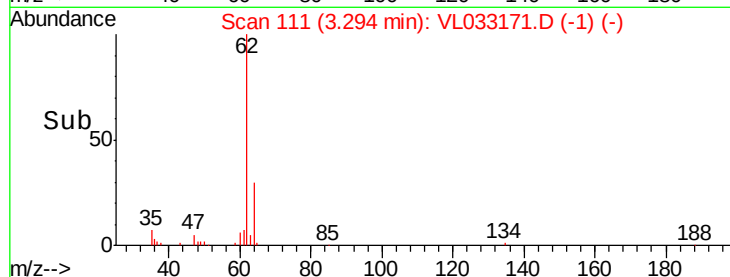
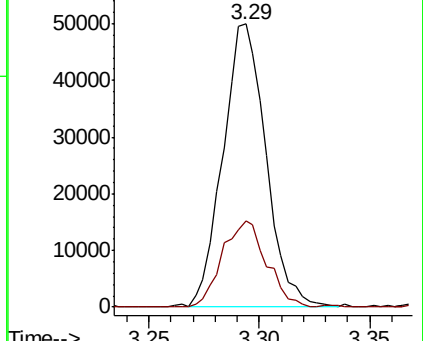
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 1.208 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033171.D

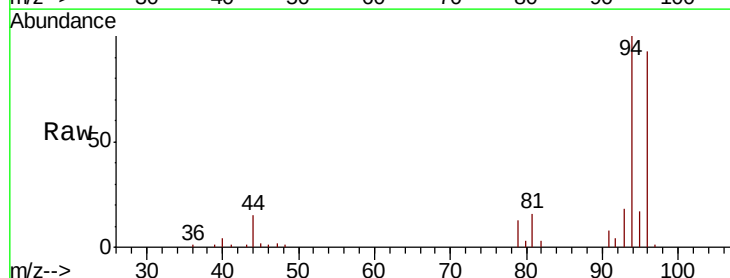
Acq: 6 Feb 2019 3:09

Tgt Ion: 94 Resp: 41688

Ion Ratio Lower Upper

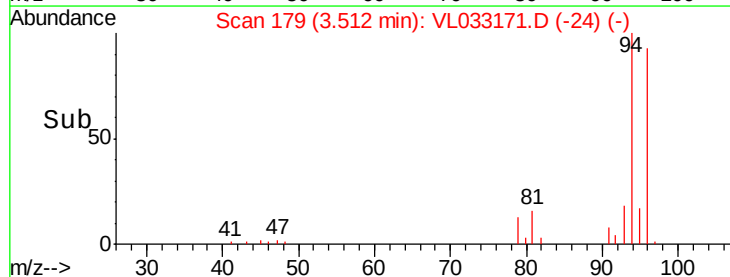
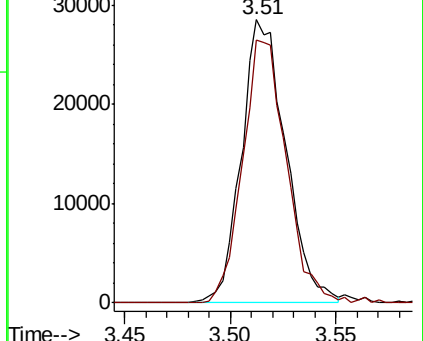
94 100

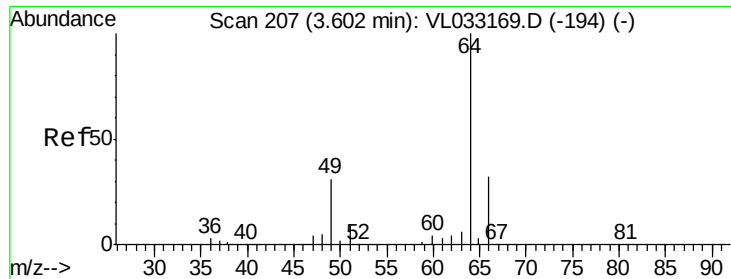
96 92.7 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.191 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033171.D

Acq: 6 Feb 2019 3:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 64 Resp: 24452

Ion Ratio Lower Upper

64 100

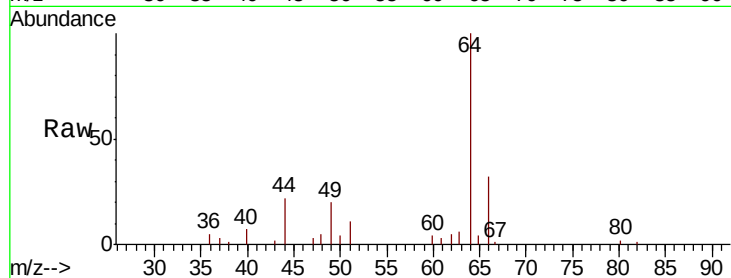
66 31.0 26.0 39.0

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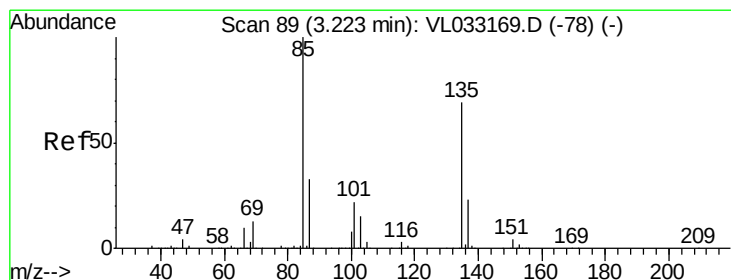
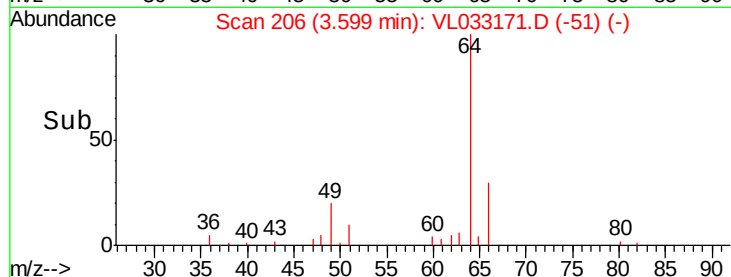
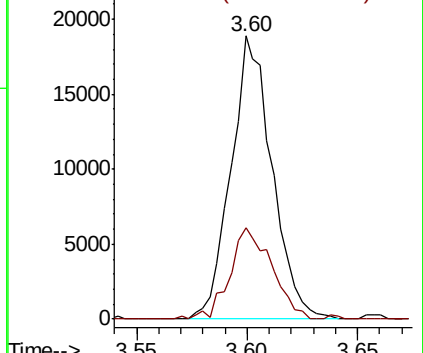
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 1.229 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL033171.D

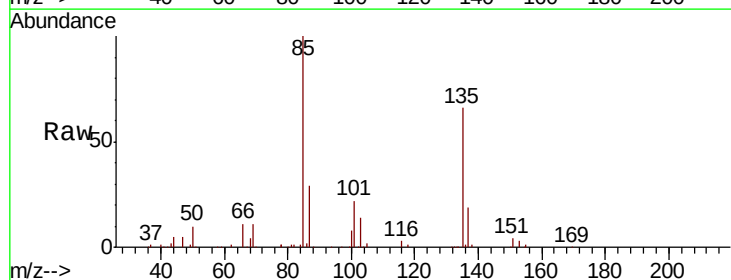
Acq: 6 Feb 2019 3:09

Tgt Ion: 85 Resp: 173825

Ion Ratio Lower Upper

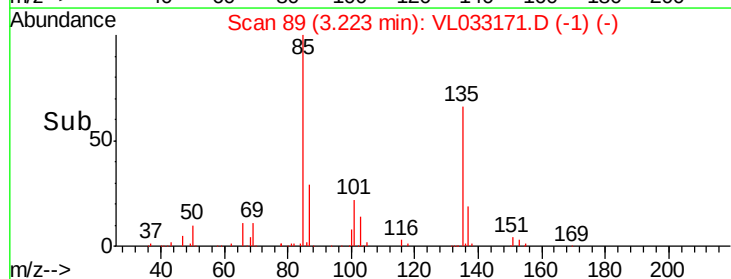
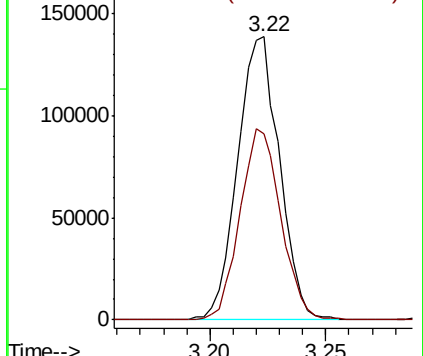
85 100

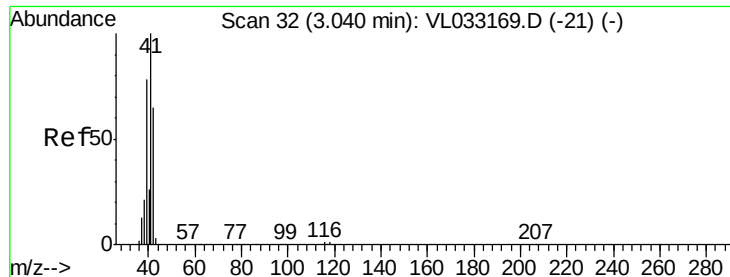
135 66.1 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 1.208 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.00 min

Lab File: VL033171.D

Acq: 6 Feb 2019 3:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 41 Resp: 66486

Ion Ratio Lower Upper

41 100

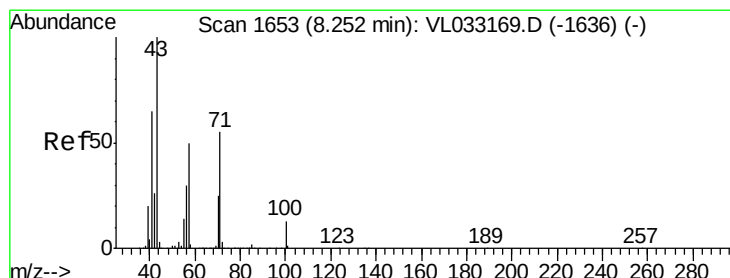
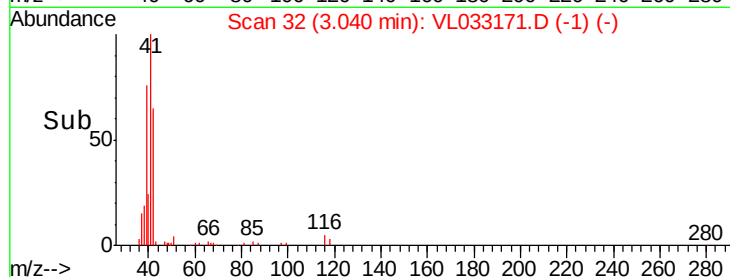
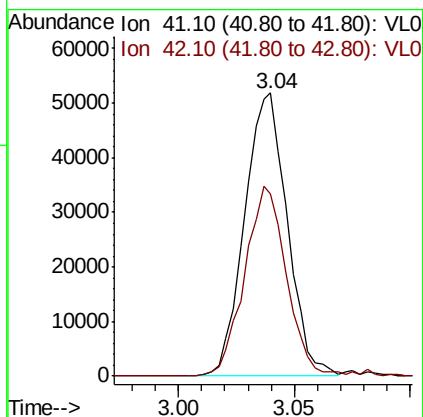
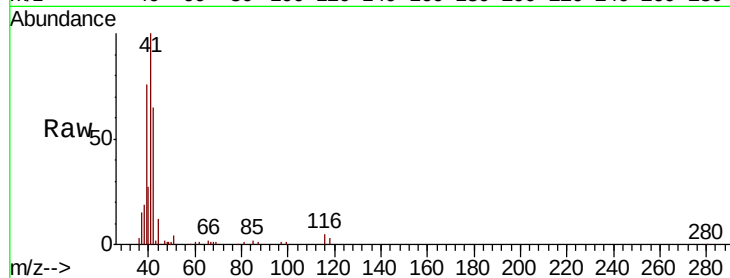
42 66.6 55.0 82.6

Manual Integrations

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#10

Heptane

Concen: 1.187 ppbv

RT: 8.25 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VL033171.D

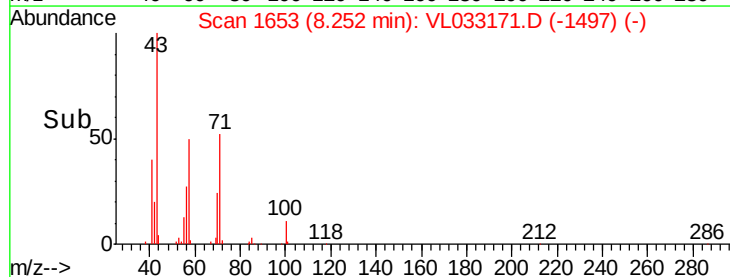
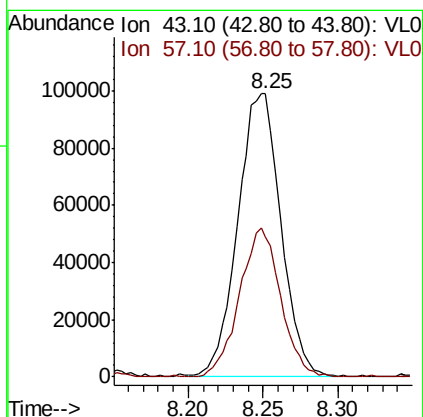
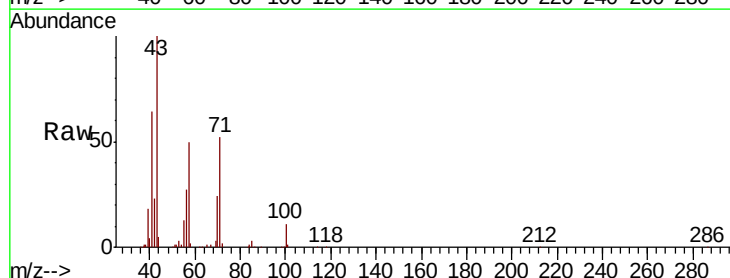
Acq: 6 Feb 2019 3:09

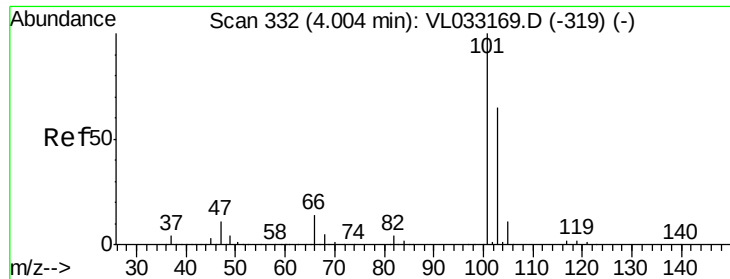
Tgt Ion: 43 Resp: 197588

Ion Ratio Lower Upper

43 100

57 50.5 39.5 59.3





#11

Trichlorofluoromethane

Concen: 1.197 ppbv

RT: 4.00 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL033171.D

Acq: 6 Feb 2019 3:09

Instrument :

MSVOA_L

ClientSampled :

VSTDIC001

Tgt Ion:101 Resp: 175240

Ion Ratio Lower Upper

101 100

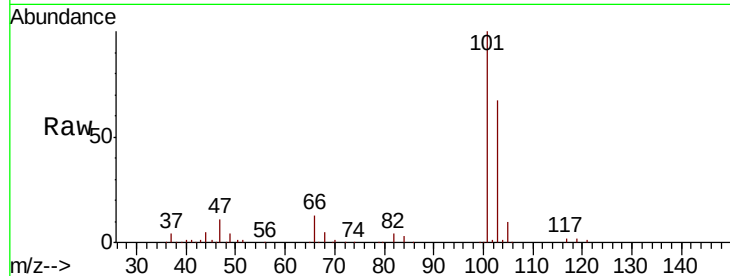
103 66.6 51.7 77.5

Manual Integrations

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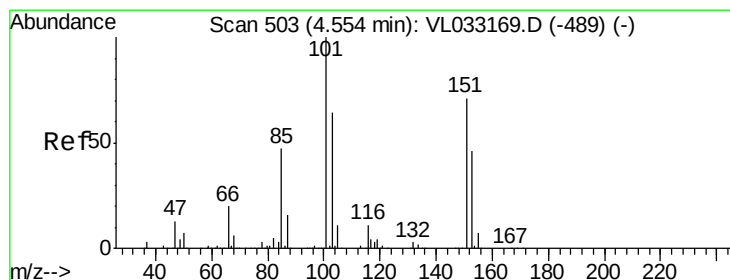
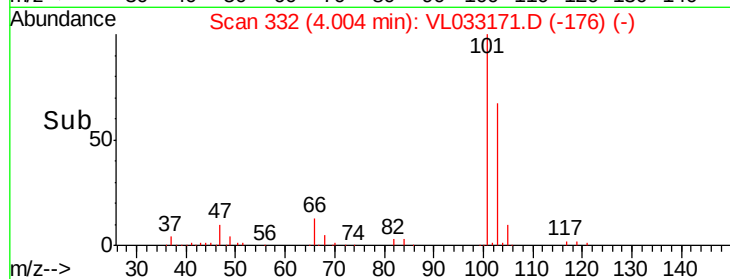
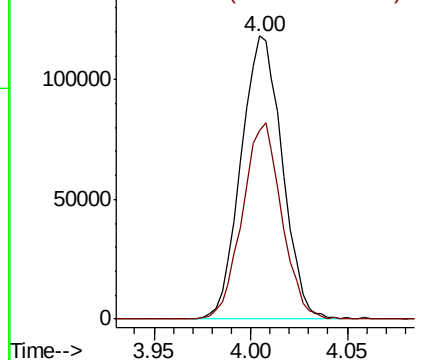
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.204 ppbv

RT: 4.55 min Scan# 503

Delta R.T. 0.00 min

Lab File: VL033171.D

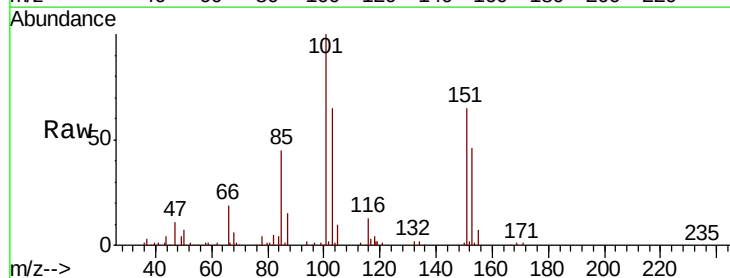
Acq: 6 Feb 2019 3:09

Tgt Ion:101 Resp: 122193

Ion Ratio Lower Upper

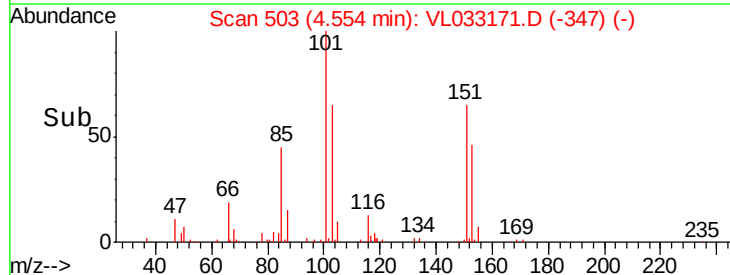
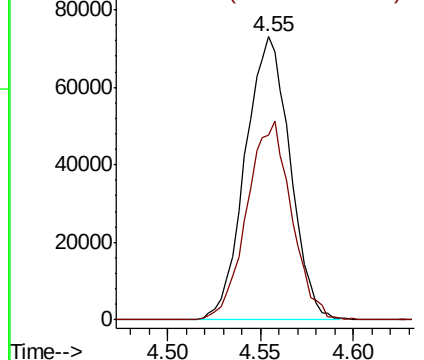
101 100

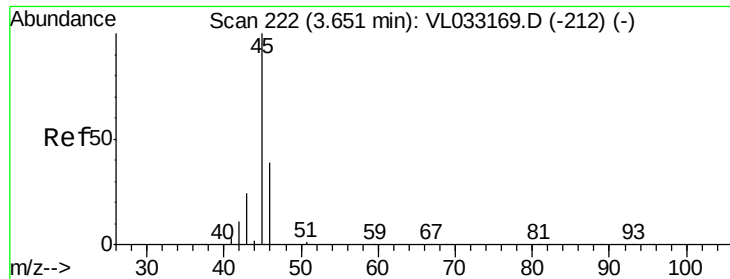
151 70.0 57.4 86.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 1.502 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.00 min

Lab File: VL033171.D

Acq: 6 Feb 2019 3:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 45 Resp: 27556

Ion Ratio Lower Upper

45 100

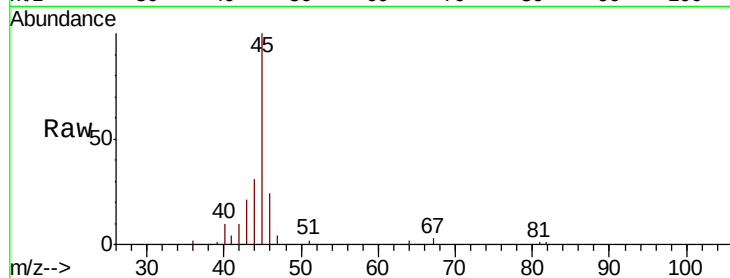
46 38.4 15.0 60.2

Manual Integrations

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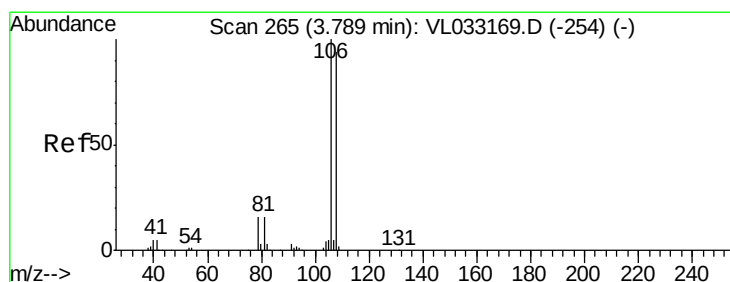
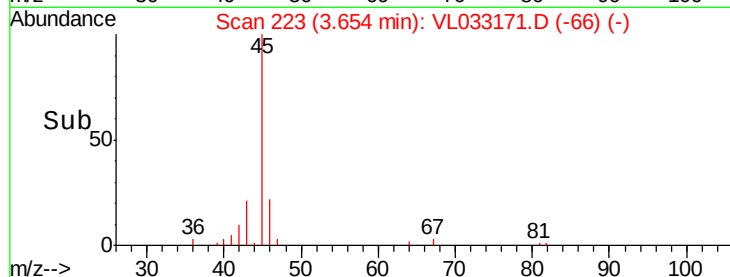
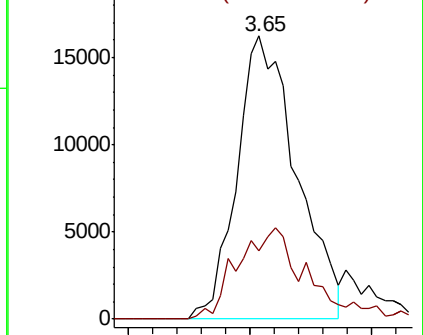
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 1.202 ppbv

RT: 3.79 min Scan# 265

Delta R.T. 0.00 min

Lab File: VL033171.D

Acq: 6 Feb 2019 3:09

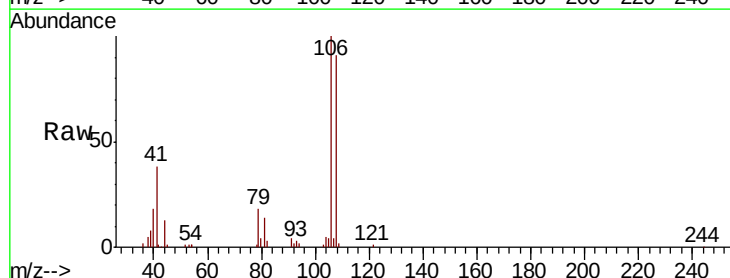
Tgt Ion: 108 Resp: 52608

Ion Ratio Lower Upper

108 100

106 103.9 86.0 129.0

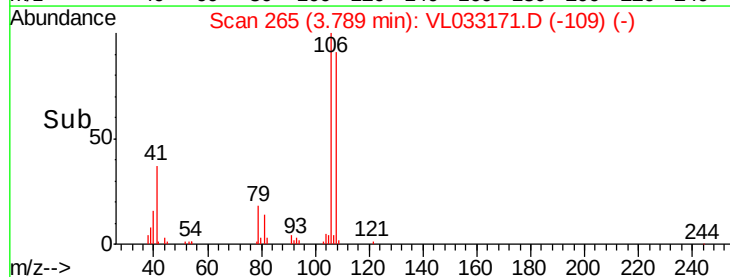
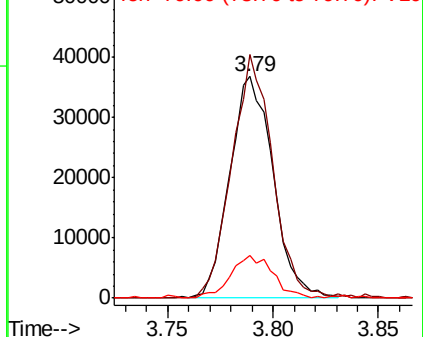
79 19.8 14.5 21.7

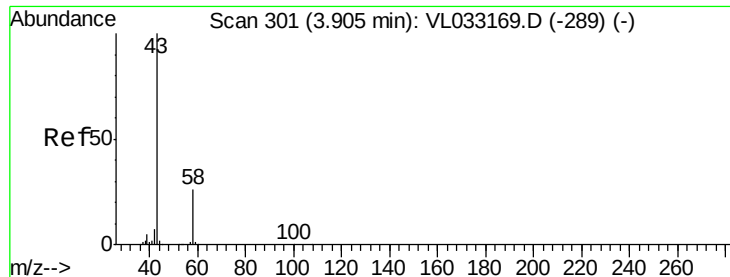


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 1.265 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.00 min

Lab File: VL033171.D

Acq: 6 Feb 2019 3:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 134807

Ion Ratio Lower Upper

43 100

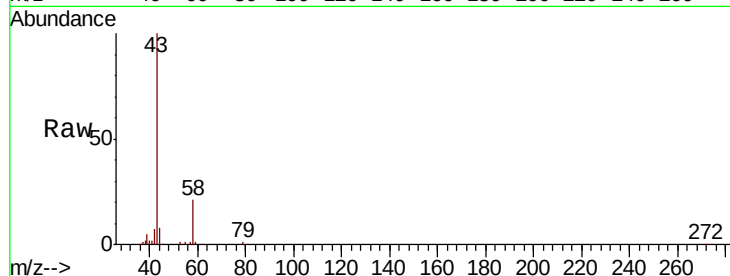
58 25.4 21.1 31.7

Manual Integrations

APPROVED

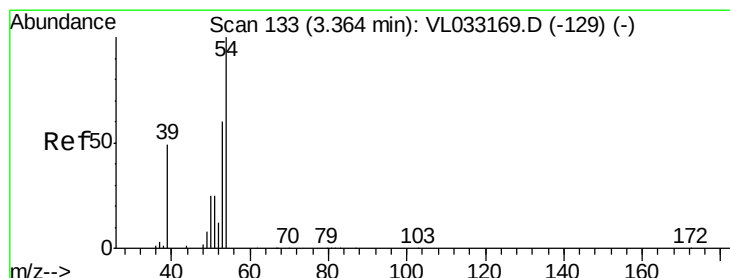
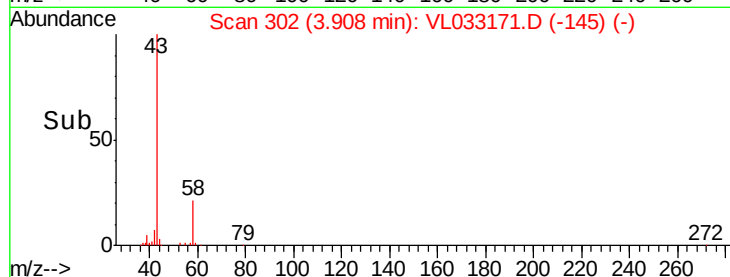
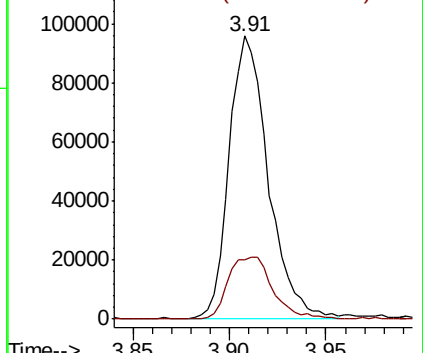
MMDadoda

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 1.263 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL033171.D

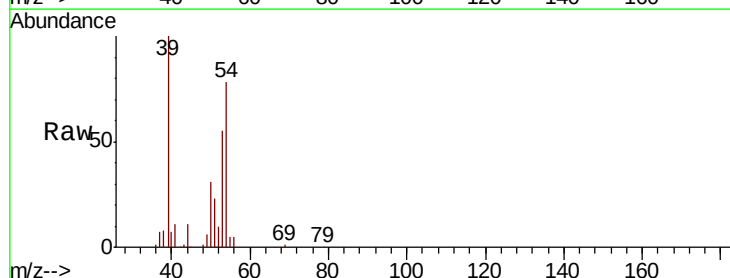
Acq: 6 Feb 2019 3:09

Tgt Ion: 39 Resp: 63896

Ion Ratio Lower Upper

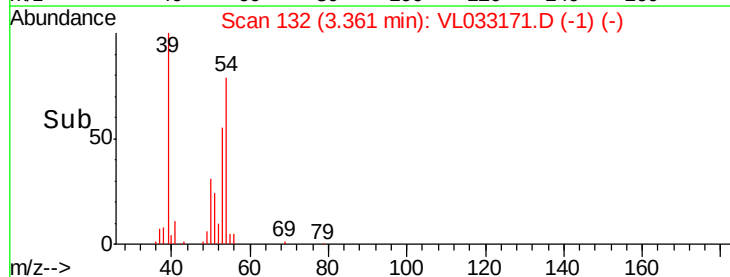
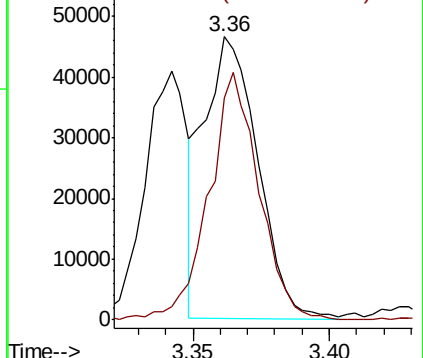
39 100

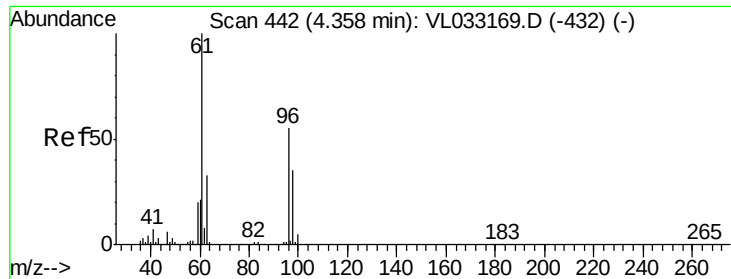
54 81.7 71.3 106.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 1.279 ppbv m

RT: 4.37 min Scan# 446

Delta R.T. 0.01 min

Lab File: VL033171.D

Acq: 6 Feb 2019 3:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 59 Resp: 25981

Ion Ratio Lower Upper

59 100

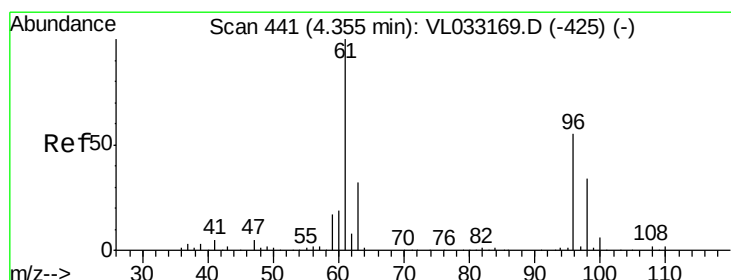
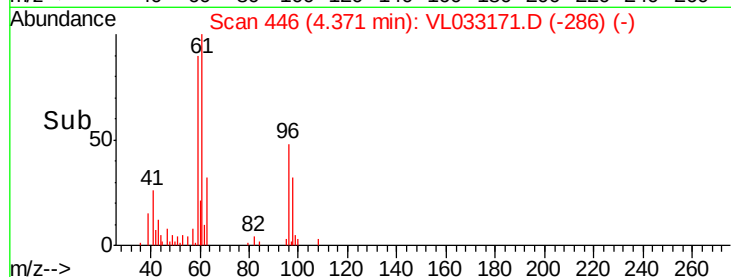
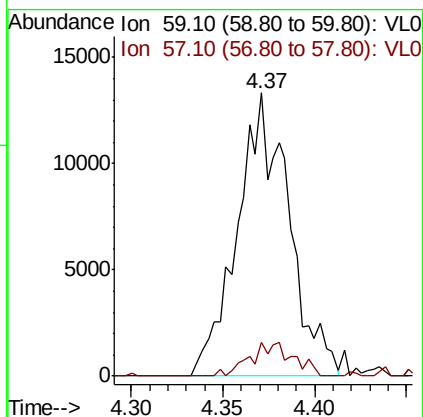
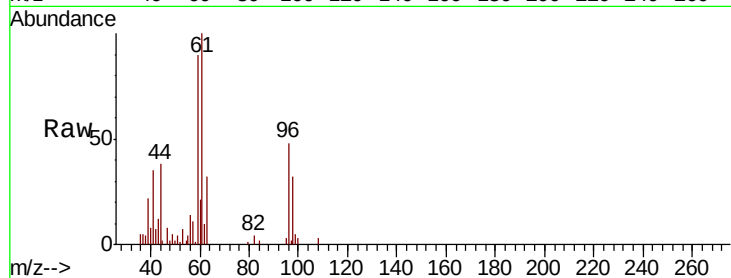
57 0.0 7.6 11.4#

Manual Integrations

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#18

1,1-Dichloroethene

Concen: 1.146 ppbv

RT: 4.35 min Scan# 440

Delta R.T. -0.00 min

Lab File: VL033171.D

Acq: 6 Feb 2019 3:09

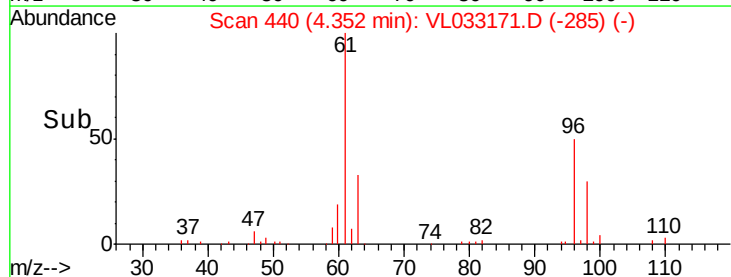
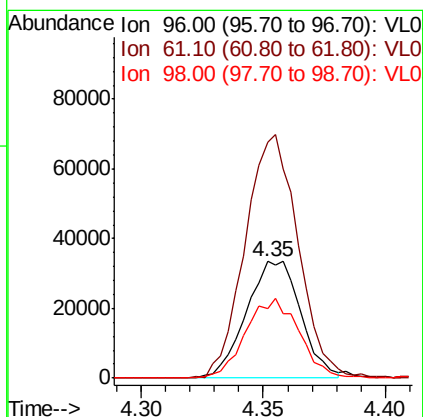
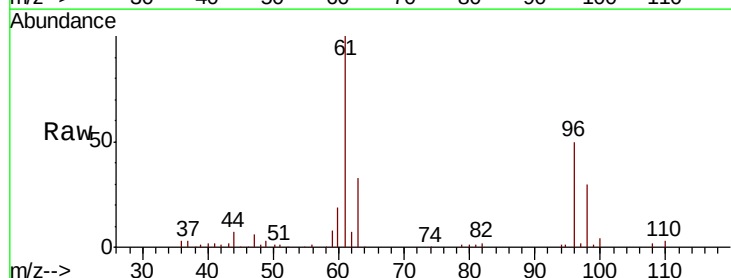
Tgt Ion: 96 Resp: 52036

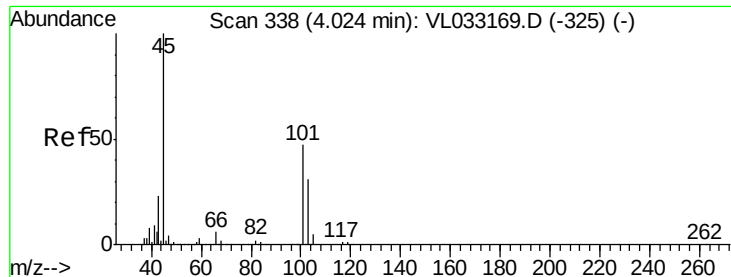
Ion Ratio Lower Upper

96 100

61 201.0 145.0 217.6

98 59.8 50.0 75.0





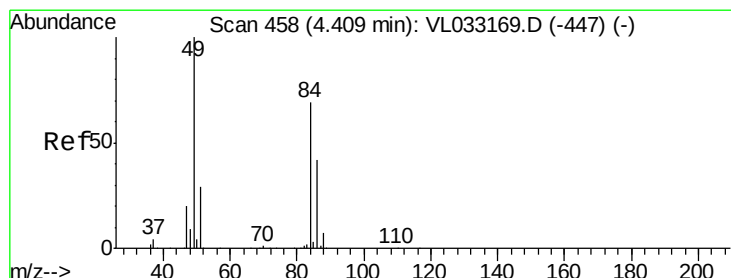
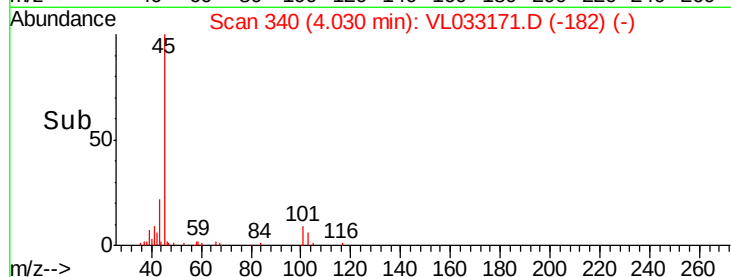
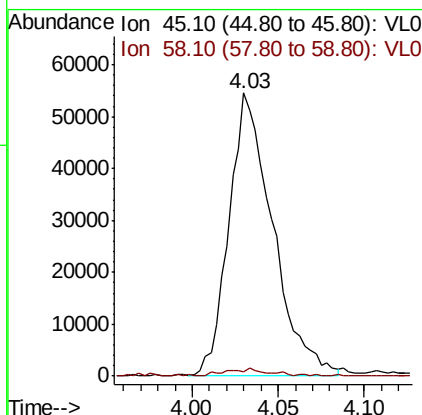
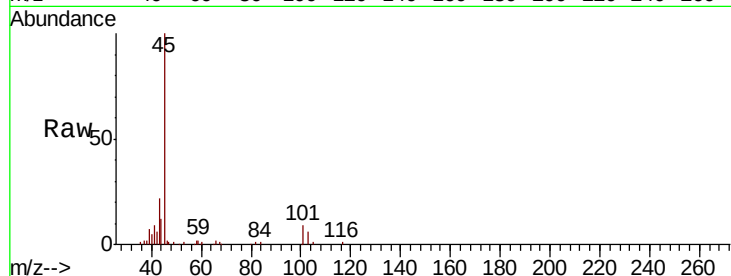
#19
Isopropyl Alcohol
Concen: 1.332 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 45 Resp: 96293
Ion Ratio Lower Upper
45 100
58 2.9 1.5 2.3#

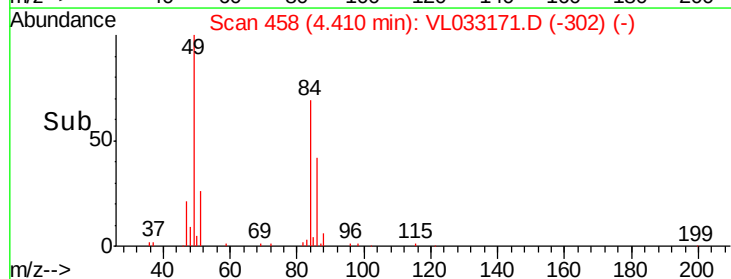
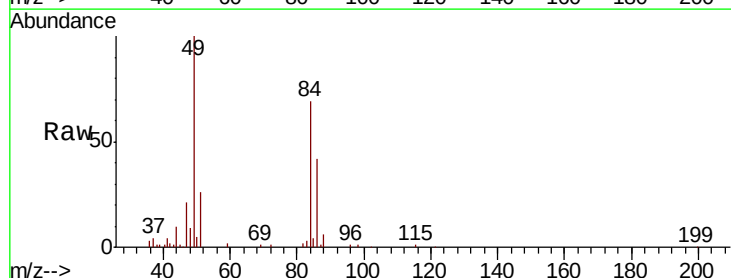
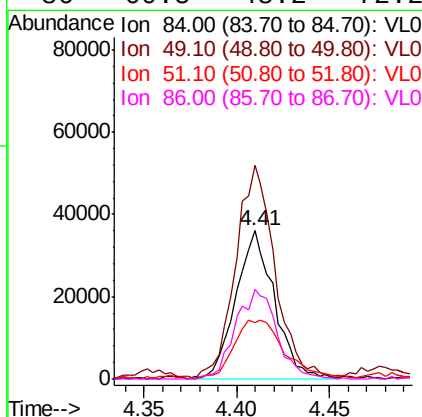
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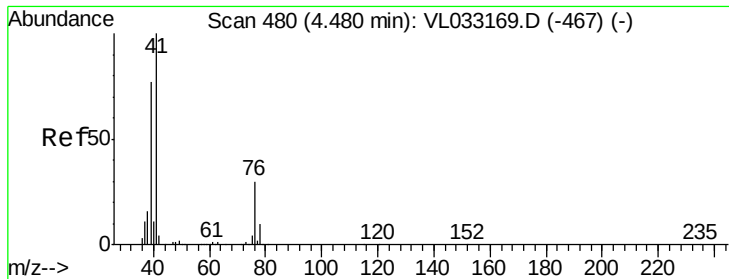
MMDadoda
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#20
Methylene Chloride
Concen: 1.236 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 84 Resp: 52392
Ion Ratio Lower Upper
84 100
49 142.9 115.8 173.8
51 36.7 33.0 49.6
86 60.5 48.2 72.2





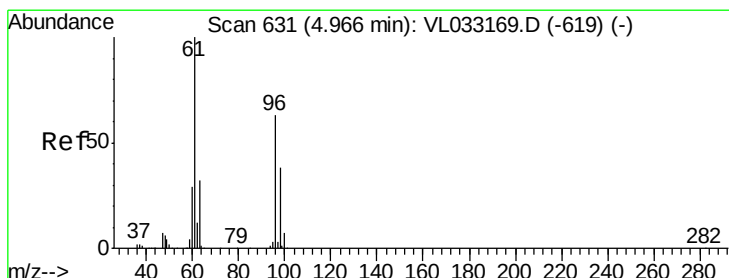
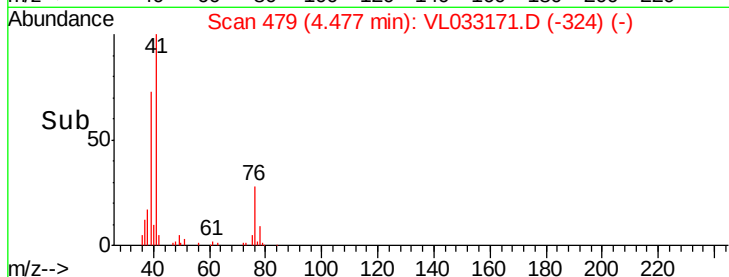
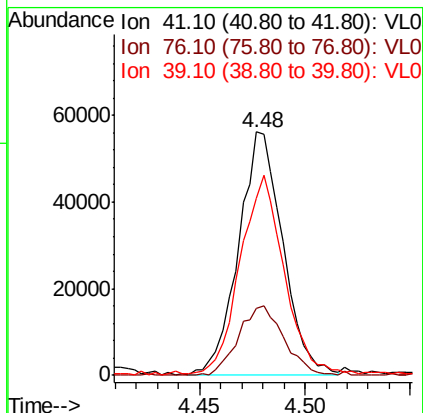
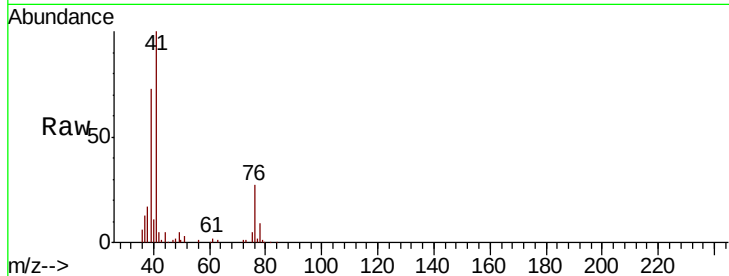
#21
 Allyl Chloride
 Concen: 1.151 ppbv
 RT: 4.48 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: VL033171.D
 Acq: 6 Feb 2019 3:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion:	41	Resp:	80996
Ion	Ratio	Lower	Upper
41	100		
76	30.1	24.5	36.7
39	83.7	64.1	96.1

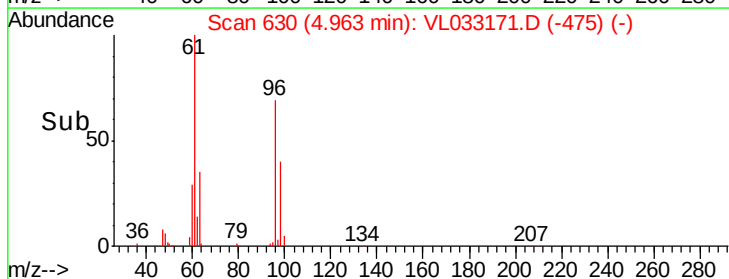
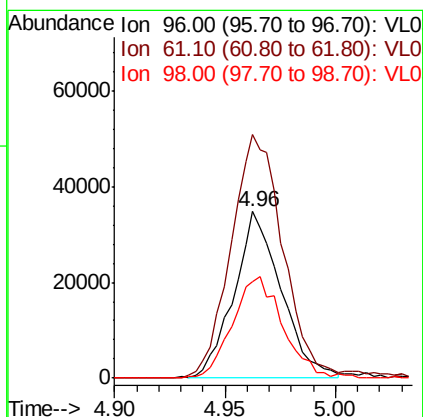
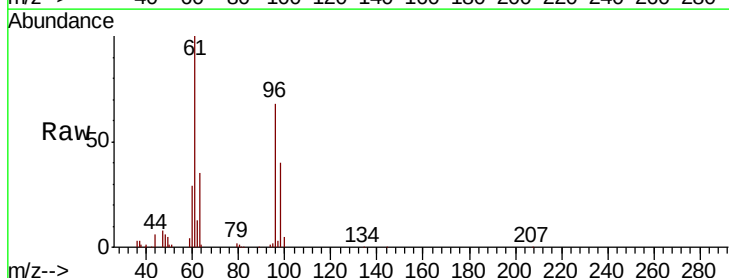
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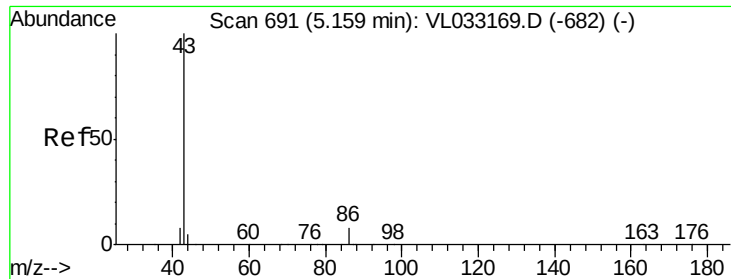
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#22
 trans-1,2-Dichloroethene
 Concen: 1.168 ppbv
 RT: 4.96 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VL033171.D
 Acq: 6 Feb 2019 3:09

Tgt Ion:	96	Resp:	51525
Ion	Ratio	Lower	Upper
96	100		
61	144.7	126.4	189.6
98	56.9	48.4	72.6





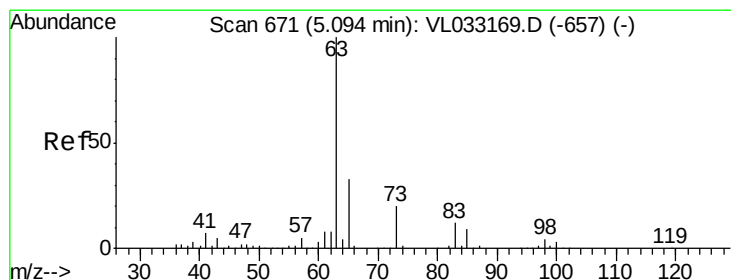
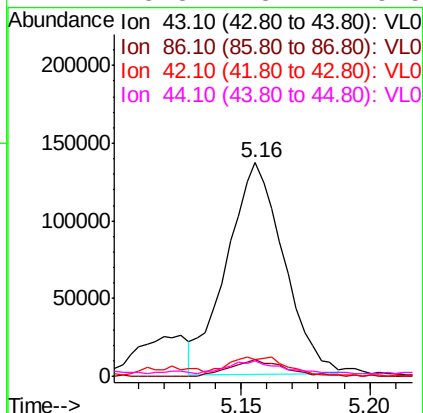
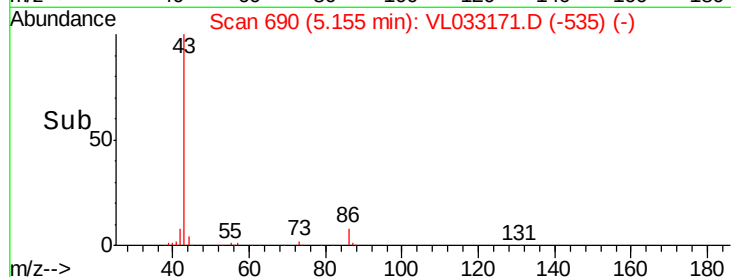
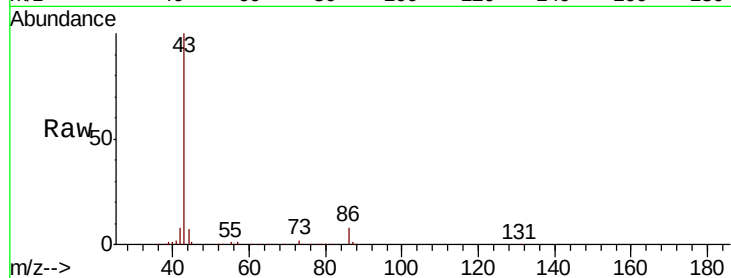
#23
 Vinyl Acetate
 Concen: 1.133 ppbv
 RT: 5.16 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VL033171.D
 Acq: 6 Feb 2019 3:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	209326		
86	8.1		5.8	8.8
42	7.5		7.4	11.0
44	5.3		3.7	5.5

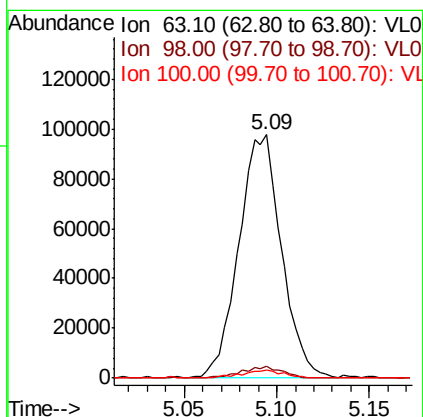
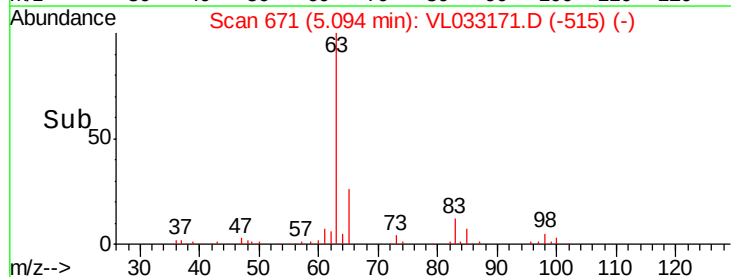
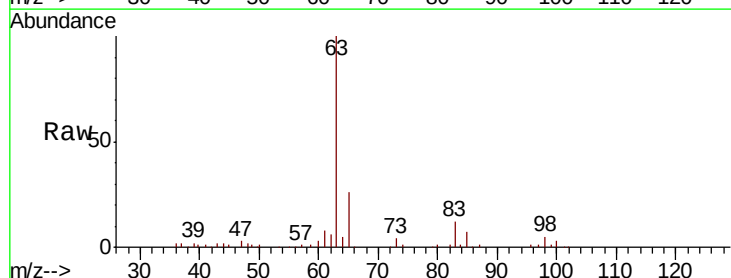
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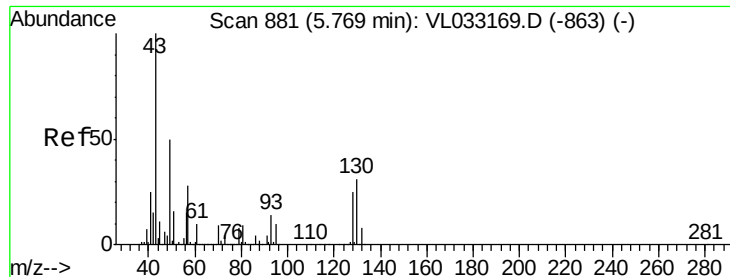
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 2/20/2019 12:21:03 PM



#24
 1,1-Dichloroethane
 Concen: 1.199 ppbv
 RT: 5.09 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VL033171.D
 Acq: 6 Feb 2019 3:09

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	156697		
98	5.0		2.1	6.5
100	3.2		1.4	4.2





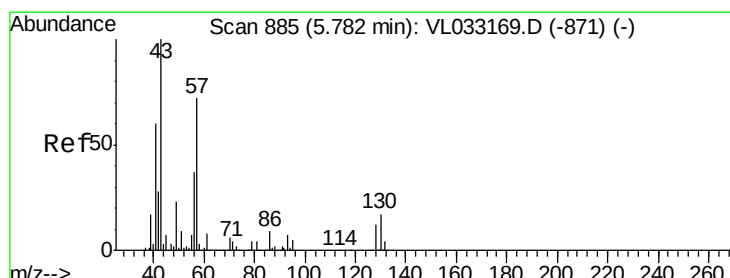
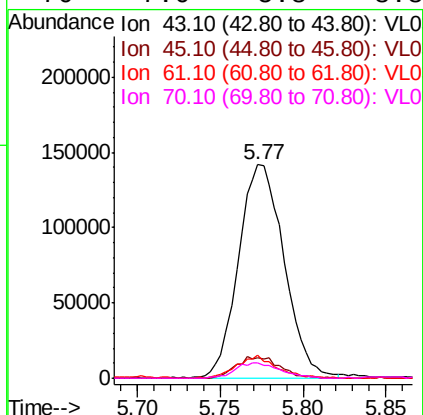
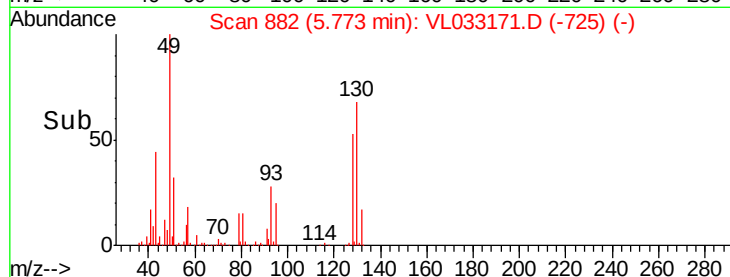
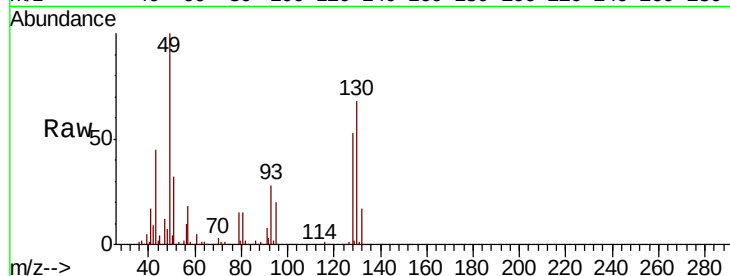
#25
Ethyl Acetate
Concen: 1.133 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.9	11.9
61	9.3	7.5	11.3
70	7.0	5.8	8.8

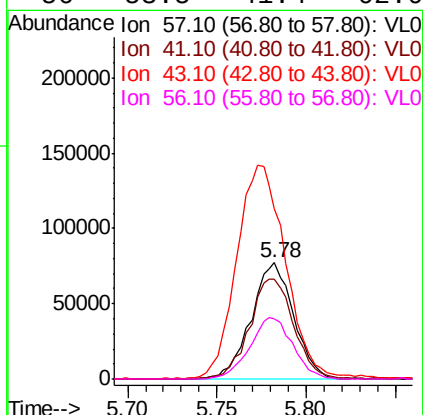
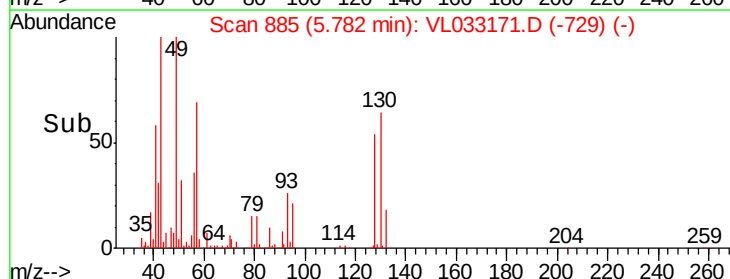
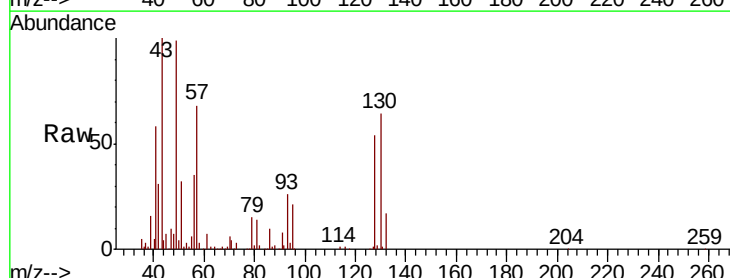
Manual Integrations
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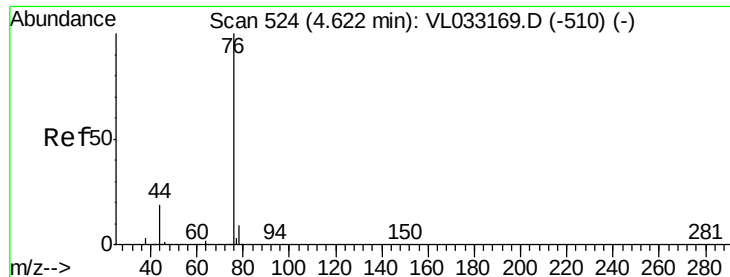
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#26
Hexane
Concen: 1.145 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion	Ratio	Lower	Upper
57	100		
41	89.8	69.4	104.2
43	212.6	176.7	265.1
56	53.5	41.4	62.0





#27

Carbon Disulfide

Concen: 1.116 ppbv

RT: 4.62 min Scan# 525

Delta R.T. 0.00 min

Lab File: VL033171.D

Acq: 6 Feb 2019 3:09

Instrument :

MSVOA_L

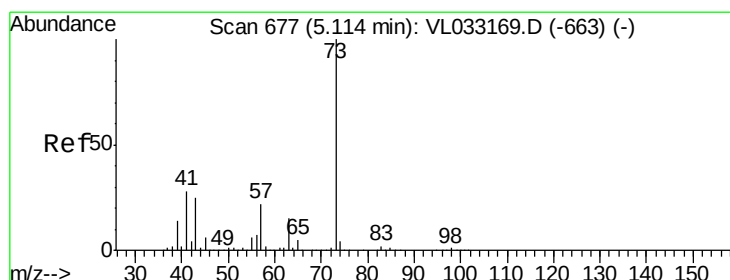
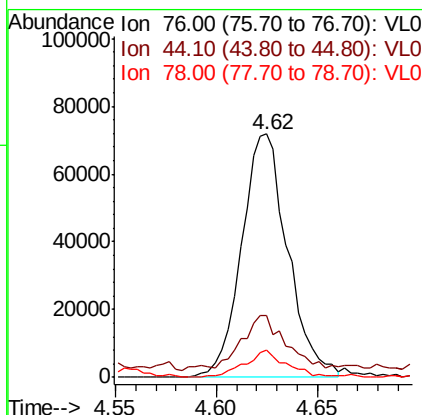
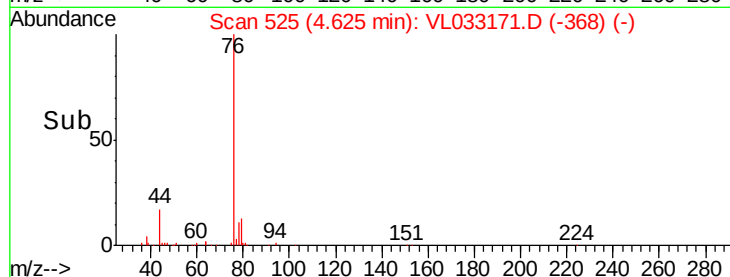
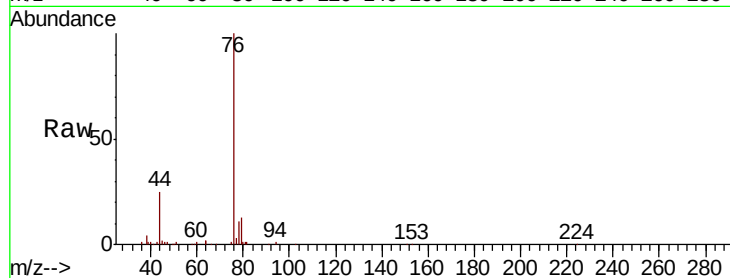
ClientSampleId :

VSTDIC001

Tgt Ion:	76	Resp:	114984
Ion Ratio	Lower	Upper	
76	100		
44	24.1	15.0	22.4#
78	10.4	7.4	11.0

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#28

Methyl tert-Butyl Ether

Concen: 1.209 ppbv

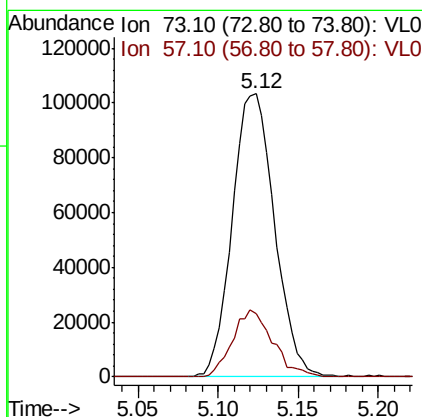
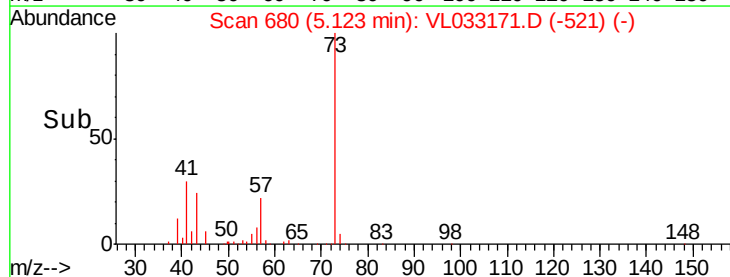
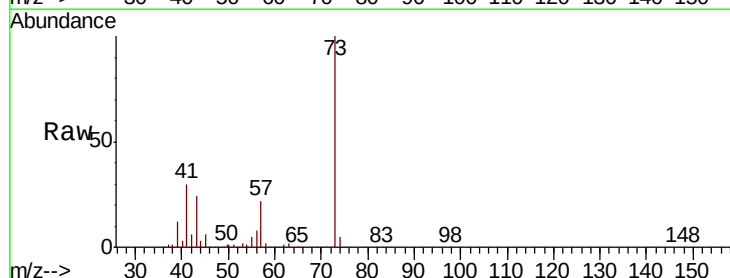
RT: 5.12 min Scan# 680

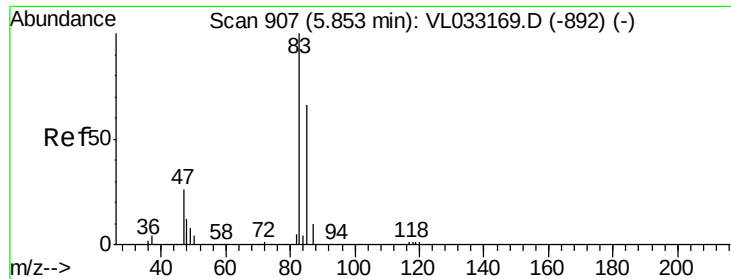
Delta R.T. 0.01 min

Lab File: VL033171.D

Acq: 6 Feb 2019 3:09

Tgt Ion:	73	Resp:	185864
Ion Ratio	Lower	Upper	
73	100		
57	22.8	17.9	26.9





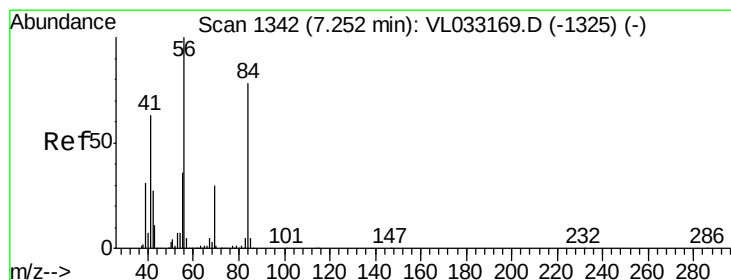
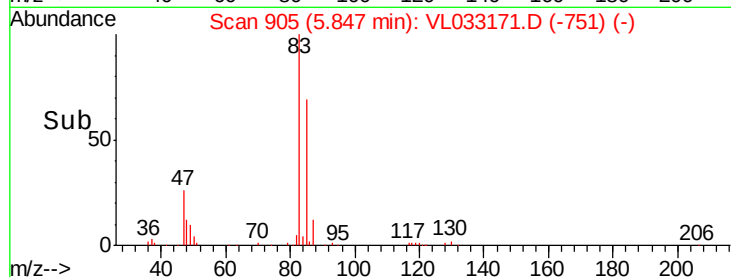
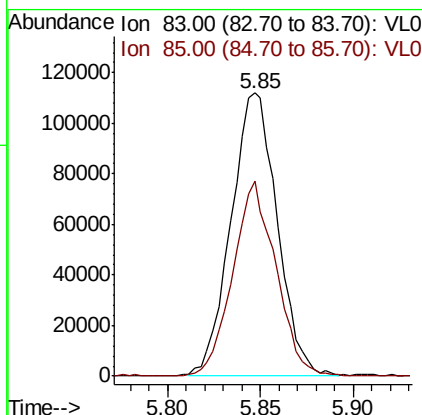
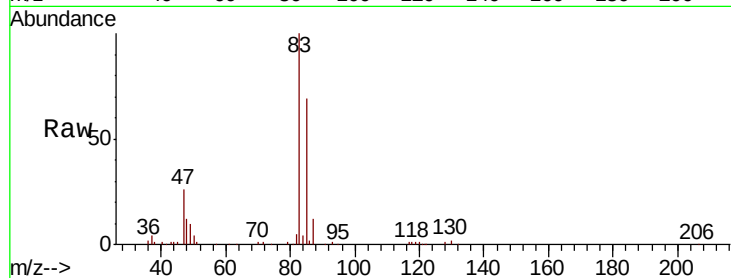
#29
Chloroform
Concen: 1.111 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 83 Resp: 191539
Ion Ratio Lower Upper
83 100
85 68.5 52.6 78.8

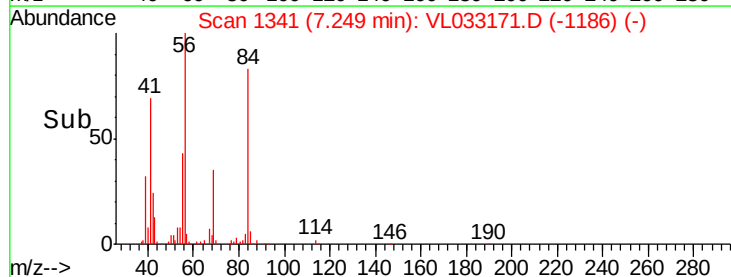
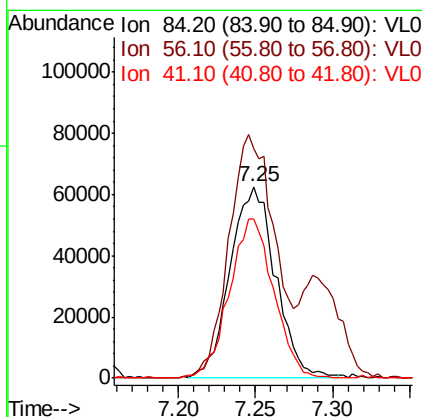
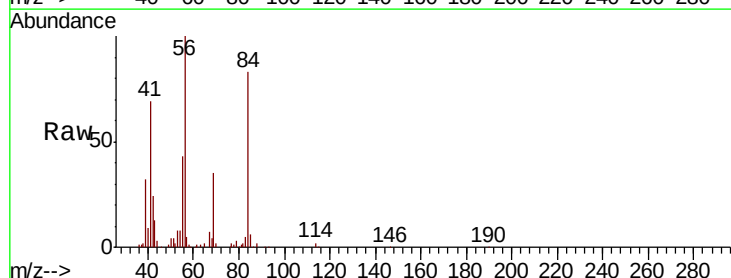
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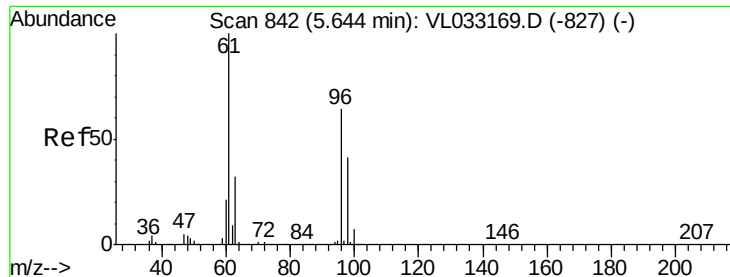
MMDadoda
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#30
Cyclohexane
Concen: 1.225 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 84 Resp: 127881
Ion Ratio Lower Upper
84 100
56 131.8 109.5 164.3
41 81.2 66.6 100.0





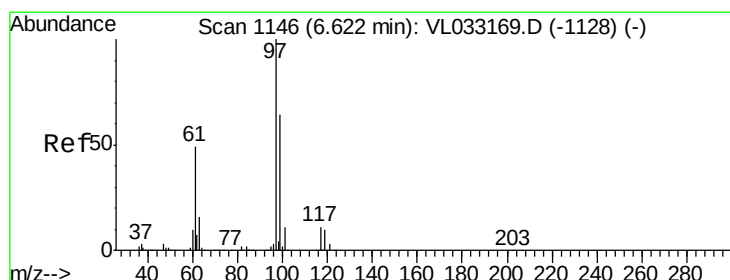
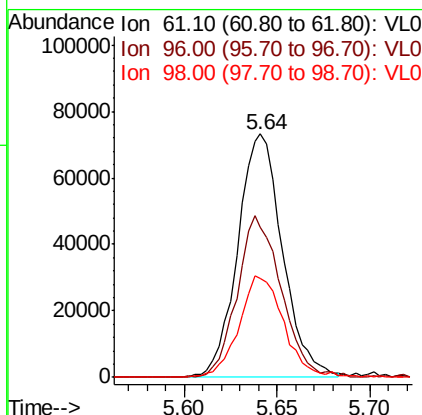
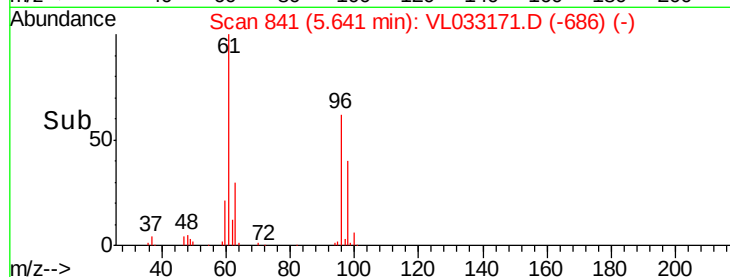
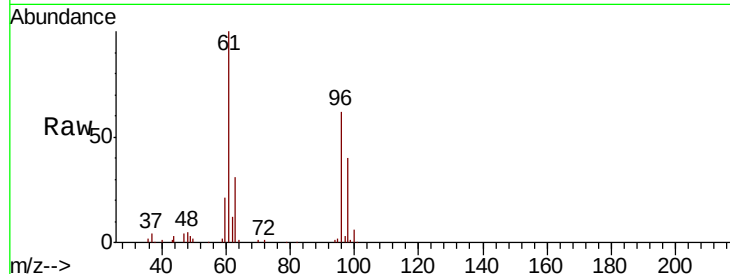
#31
 cis-1,2-Dichloroethene
 Concen: 1.094 ppbv
 RT: 5.64 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: VL033171.D
 Acq: 6 Feb 2019 3:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Resp Lower	Upper
61	100		
96	61.0	51.2	76.8
98	40.5	32.8	49.2

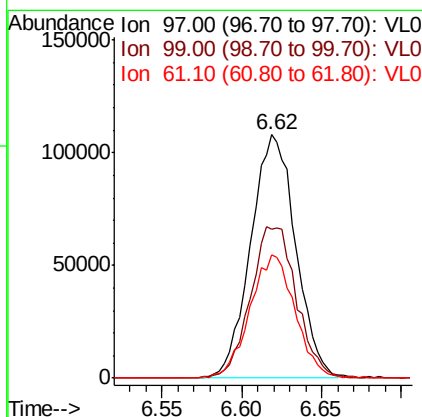
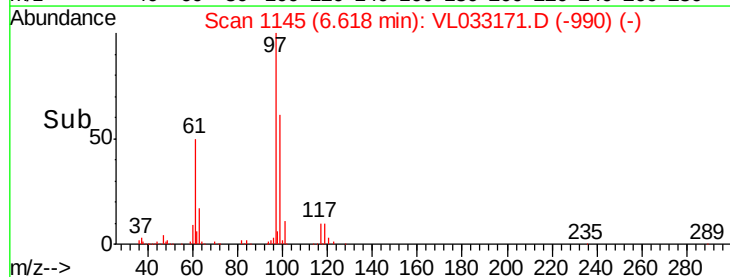
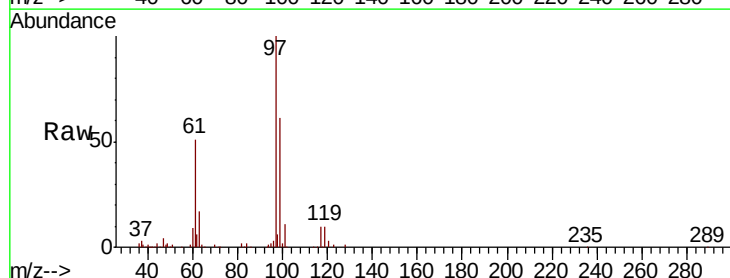
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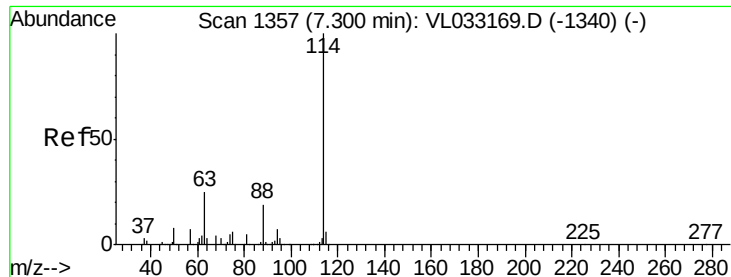
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 1.098 ppbv
 RT: 6.62 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VL033171.D
 Acq: 6 Feb 2019 3:09

Tgt Ion	Ratio	Resp Lower	Upper
97	100		
99	63.6	51.4	77.2
61	50.7	38.8	58.2





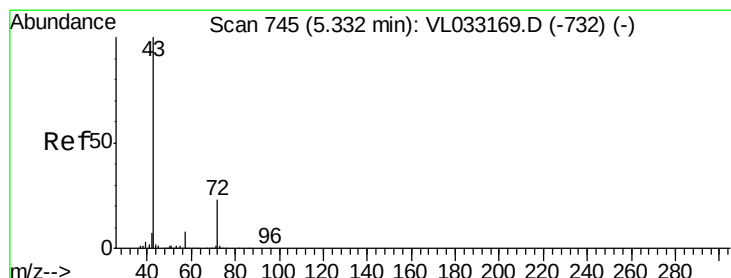
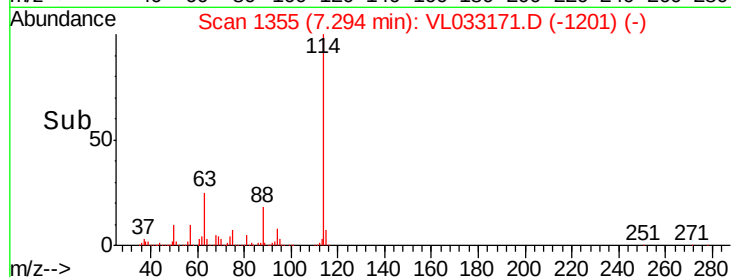
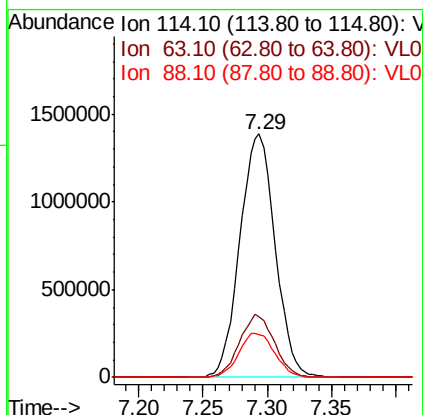
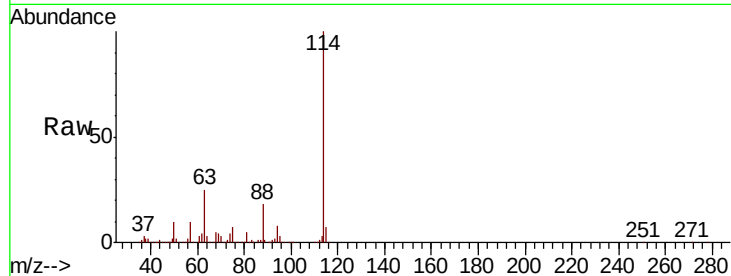
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL033171.D
 Acq: 6 Feb 2019 3:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 114 Resp: 2645657
 Ion Ratio Lower Upper
 114 100
 63 25.5 20.8 31.2
 88 18.3 14.6 22.0

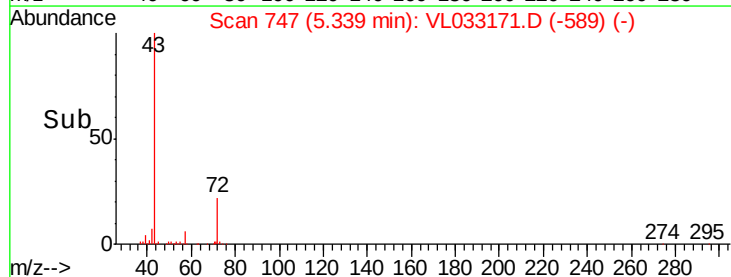
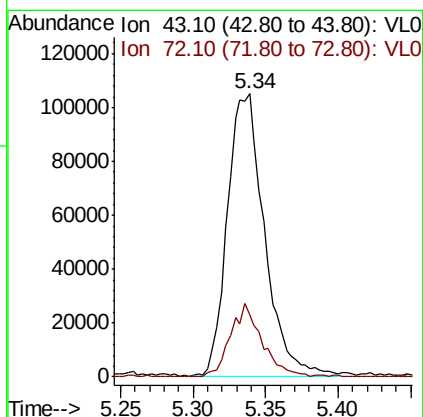
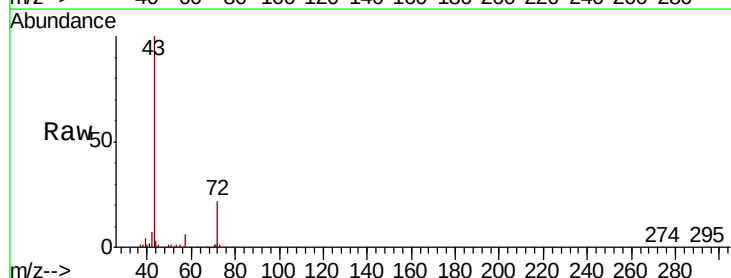
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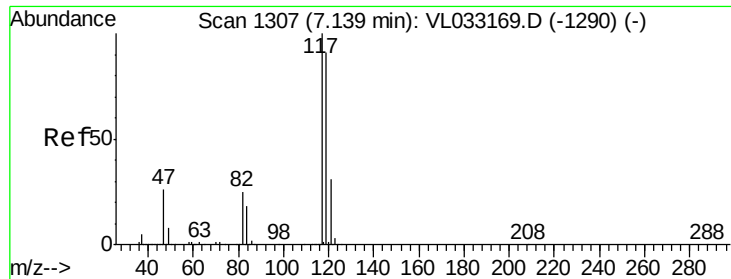
MMDadoda
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#34
 2-Butanone
 Concen: 1.111 ppbv
 RT: 5.34 min Scan# 747
 Delta R.T. 0.01 min
 Lab File: VL033171.D
 Acq: 6 Feb 2019 3:09

Tgt Ion: 43 Resp: 186406
 Ion Ratio Lower Upper
 43 100
 72 22.4 17.8 26.6





#35

Carbon Tetrachloride

Concen: 1.046 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. -0.01 min

Lab File: VL033171.D

Acq: 6 Feb 2019 3:09

Instrument :

MSVOA_L

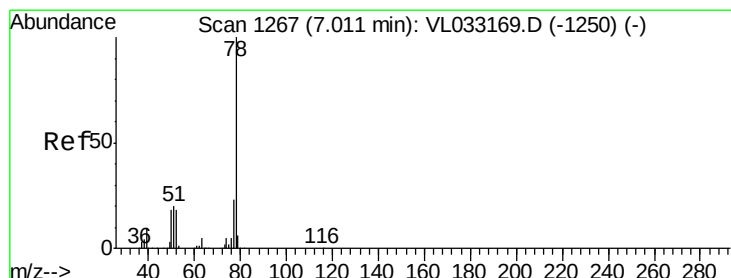
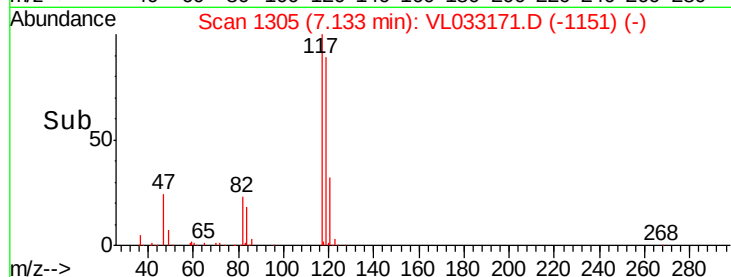
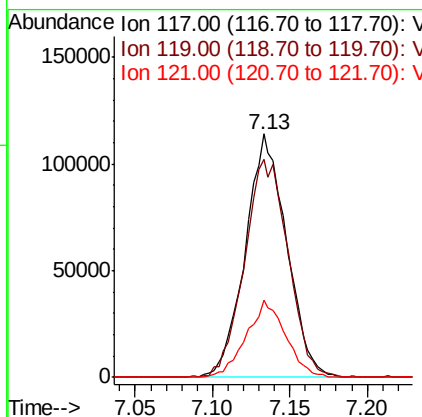
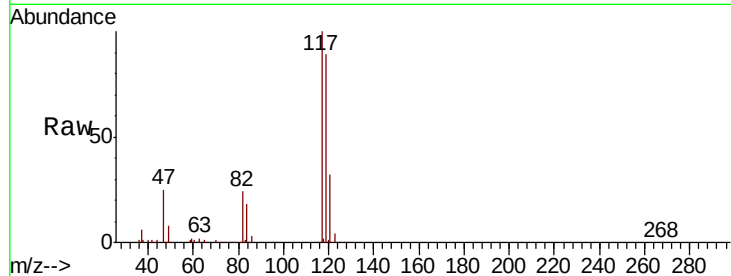
ClientSampleId :

VSTDIC001

Tgt Ion:	117	Resp:	211399
Ion Ratio	Lower	Upper	
117	100		
119	89.2	73.0	109.6
121	31.6	25.1	37.7

Manual Integrations
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#36

Benzene

Concen: 1.157 ppbv

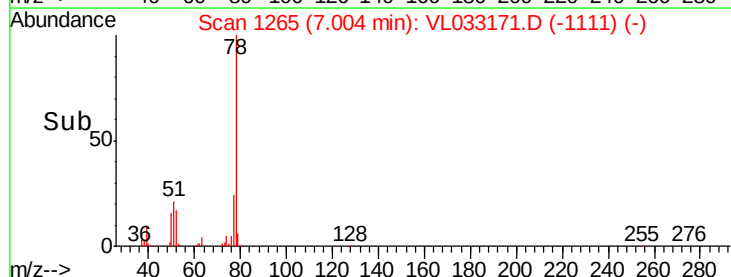
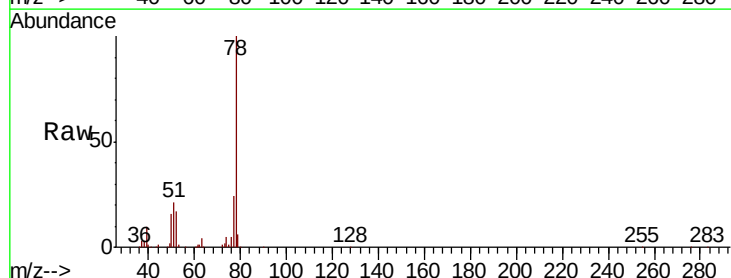
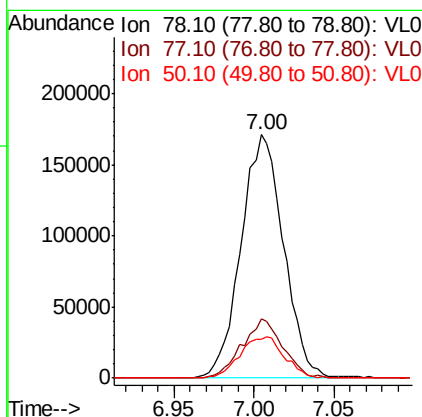
RT: 7.00 min Scan# 1265

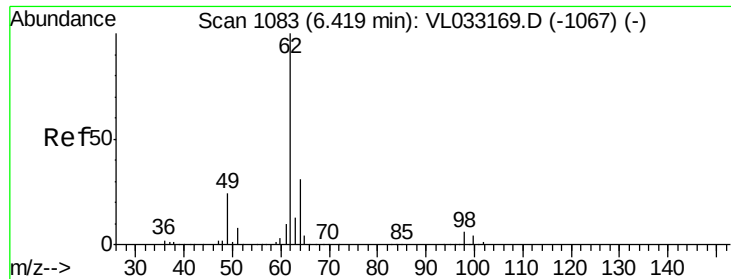
Delta R.T. -0.01 min

Lab File: VL033171.D

Acq: 6 Feb 2019 3:09

Tgt Ion:	78	Resp:	310274
Ion Ratio	Lower	Upper	
78	100		
77	24.1	18.0	27.0
50	16.1	14.2	21.2





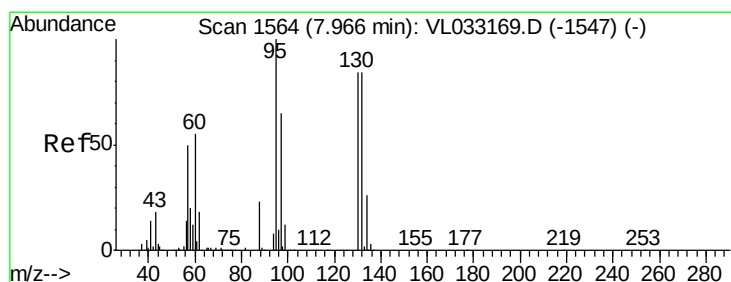
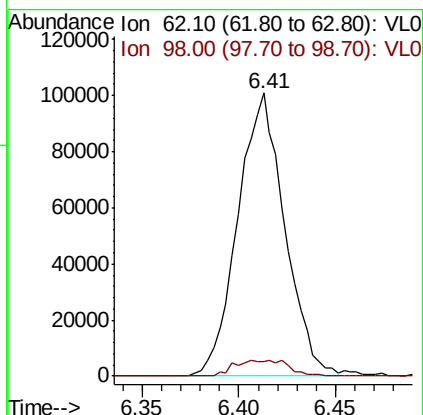
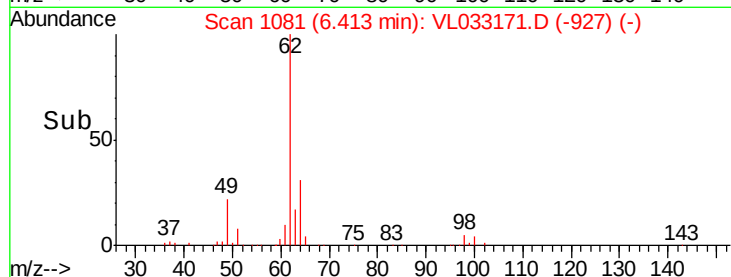
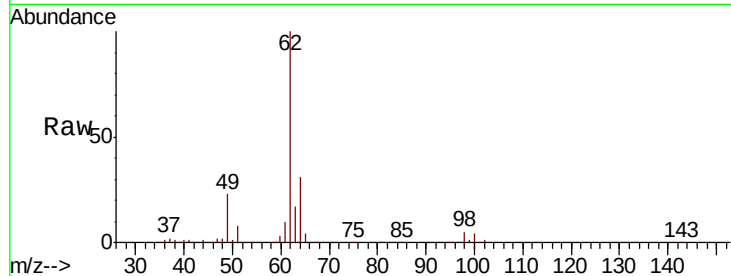
#37
 1,2-Dichloroethane
 Concen: 1.147 ppbv
 RT: 6.41 min Scan# 1081
 Delta R.T. -0.01 min
 Lab File: VL033171.D
 Acq: 6 Feb 2019 3:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.4	4.7	7.1

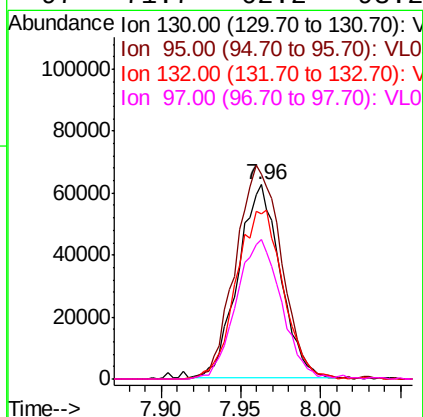
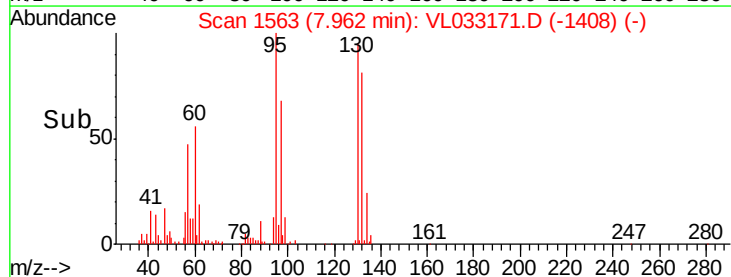
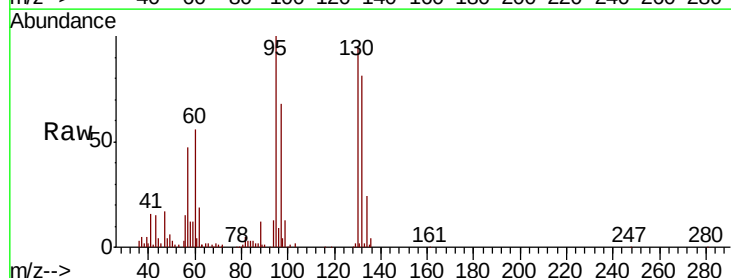
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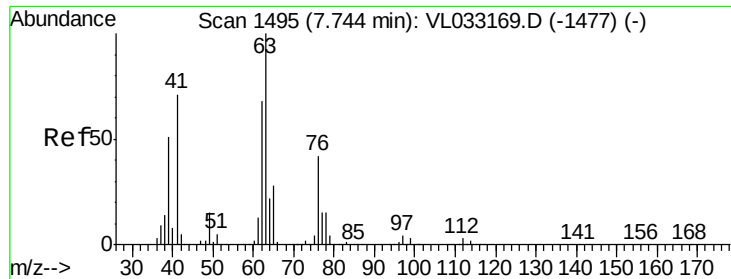
MMDadoda
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#38
 Trichloroethene
 Concen: 0.984 ppbv
 RT: 7.96 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VL033171.D
 Acq: 6 Feb 2019 3:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.8	95.5	143.3
132	85.4	80.0	120.0
97	71.7	62.2	93.2





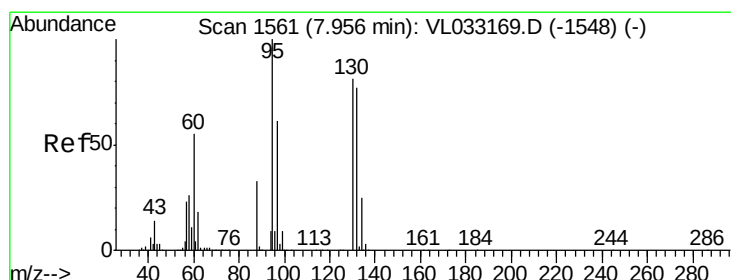
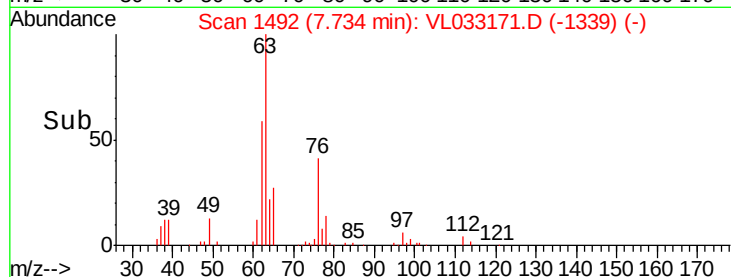
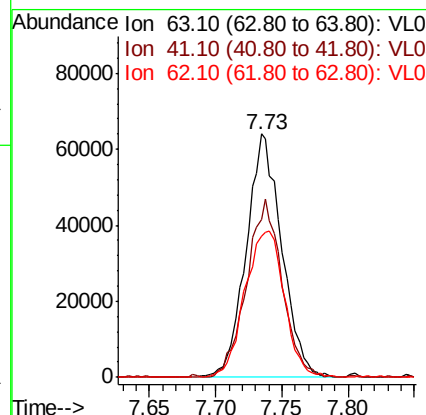
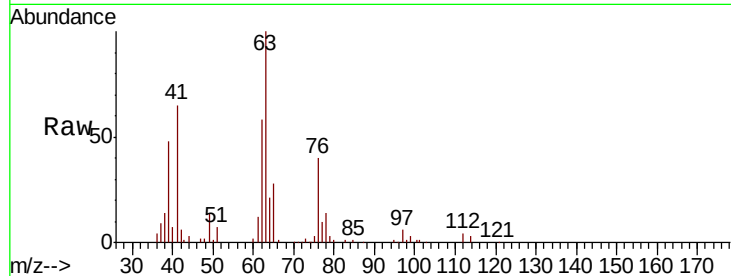
#39
 1,2-Dichloropropane
 Concen: 1.124 ppbv
 RT: 7.73 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: VL033171.D
 Acq: 6 Feb 2019 3:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
63	100		
41	64.3	56.4	84.6
62	58.1	54.2	81.4

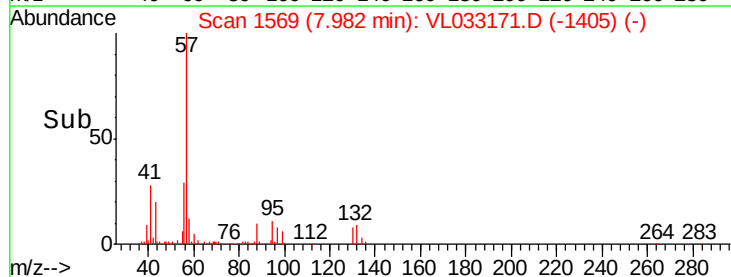
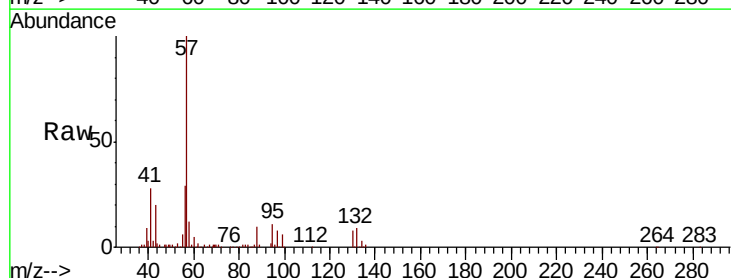
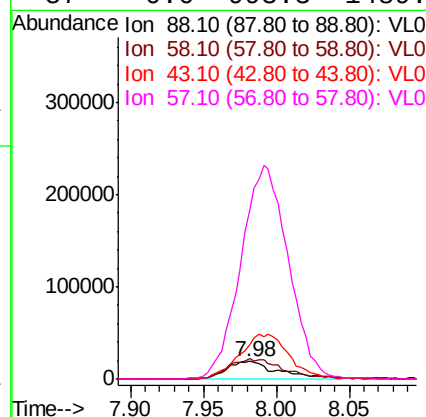
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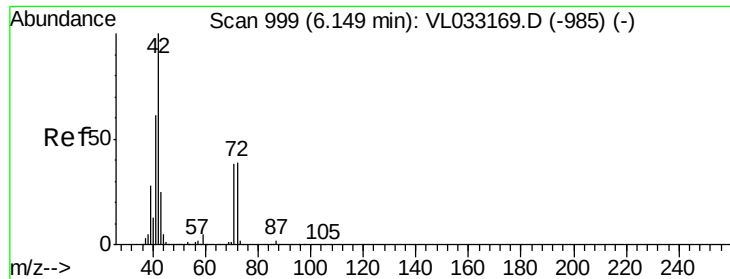
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#40
 1,4-Dioxane
 Concen: 1.251 ppbv m
 RT: 7.98 min Scan# 1569
 Delta R.T. 0.03 min
 Lab File: VL033171.D
 Acq: 6 Feb 2019 3:09

Tgt Ion	Ratio	Lower	Upper
88	100		
58	123.4	106.4	159.6
43	0.0	219.6	329.4#
57	0.0	993.3	1489.9#





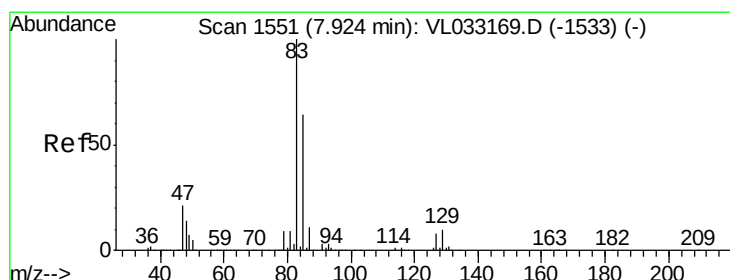
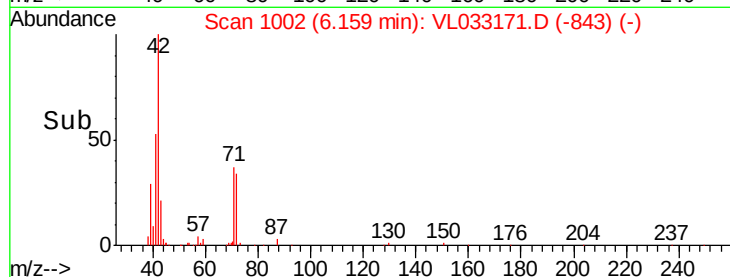
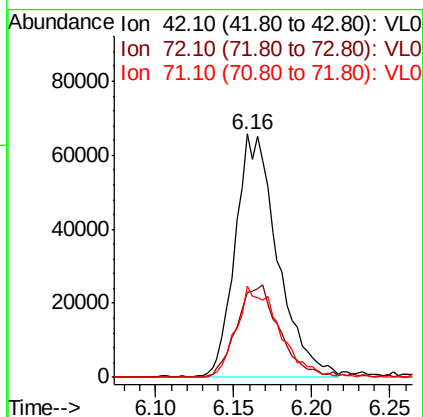
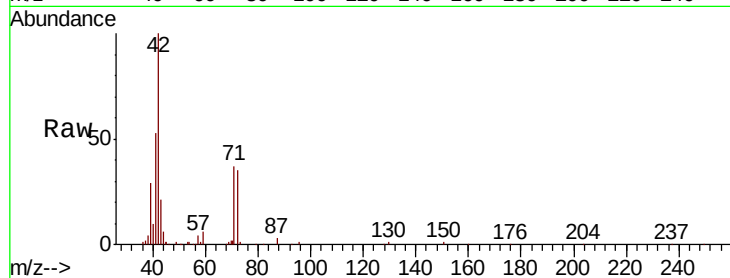
#41
Tetrahydrofuran
Concen: 1.191 ppbv m
RT: 6.16 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.2#
71	38.2	30.2	45.2

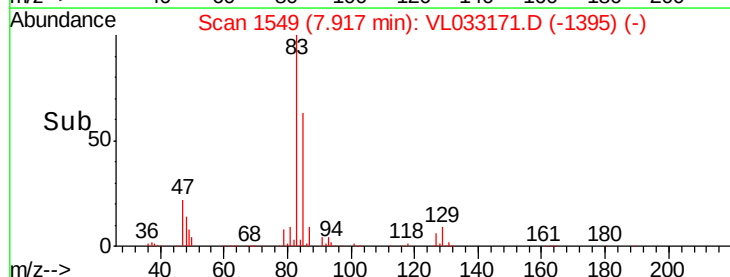
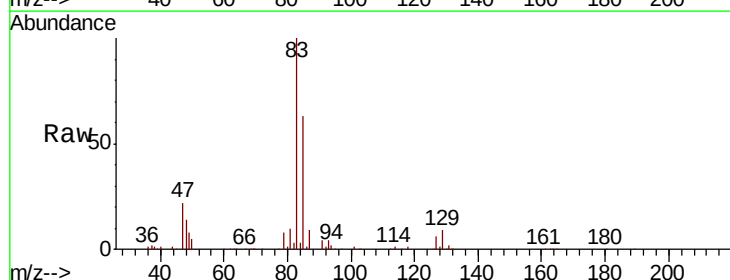
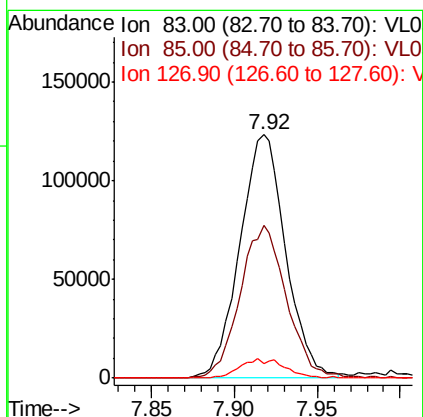
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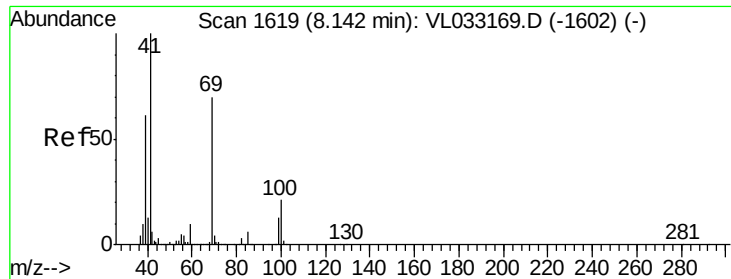
MMDadoda
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#42
Bromodichloromethane
Concen: 1.101 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.1	76.7
127	6.0	6.4	9.6#





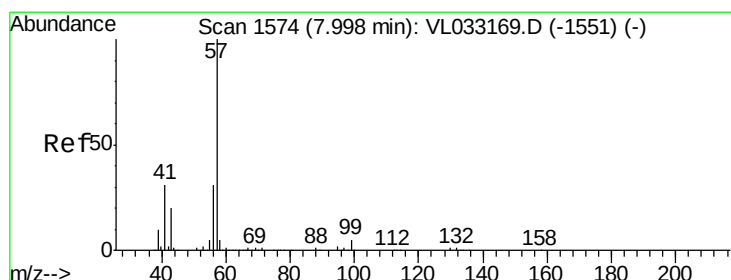
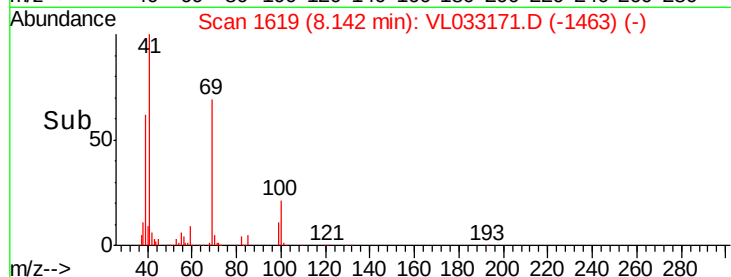
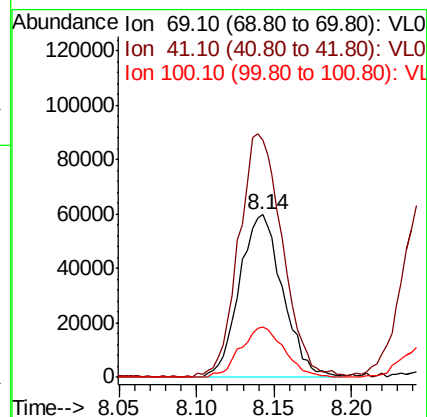
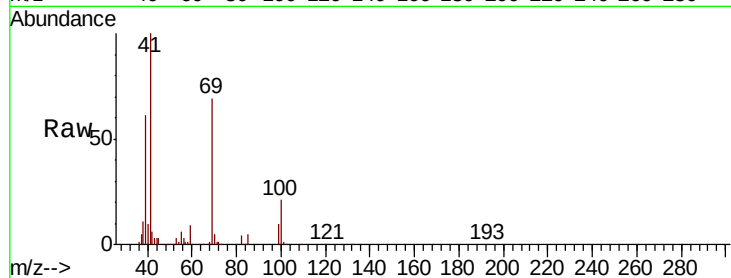
#43
Methyl Methacrylate
Concen: 1.084 ppbv
RT: 8.14 min Scan# 1619
Delta R.T. 0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
69	100		
41	148.9	117.1	175.7
100	31.5	25.0	37.6

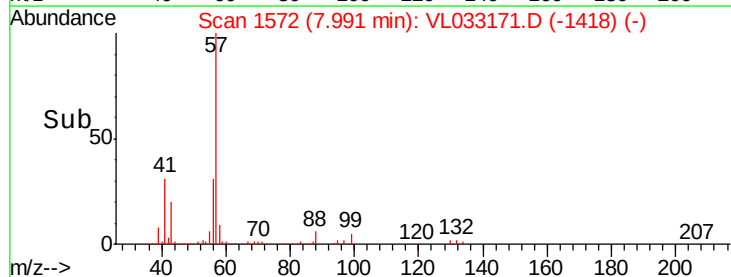
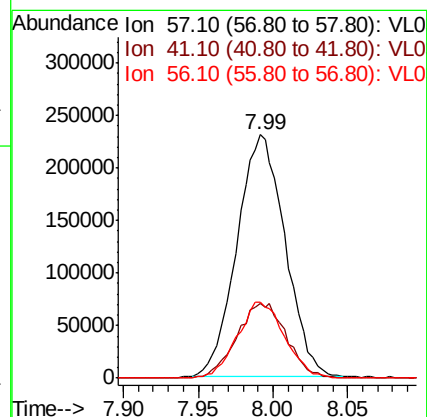
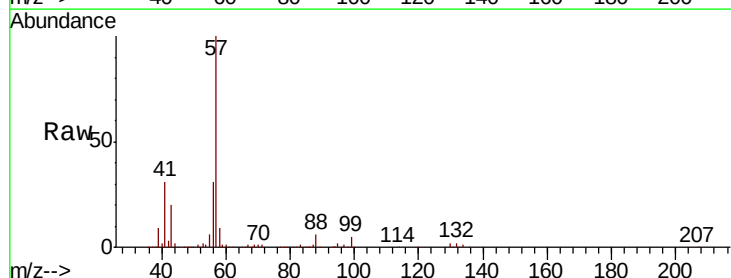
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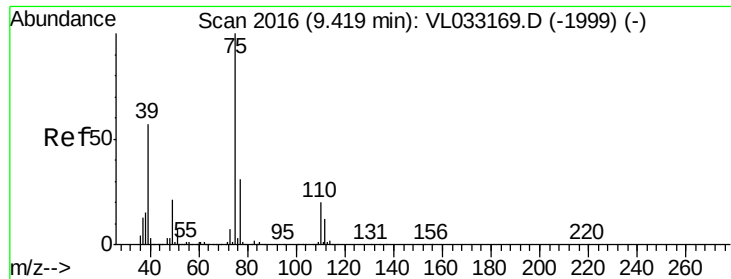
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 1.135 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion	Ratio	Lower	Upper
57	100		
41	31.9	25.2	37.8
56	31.0	24.5	36.7





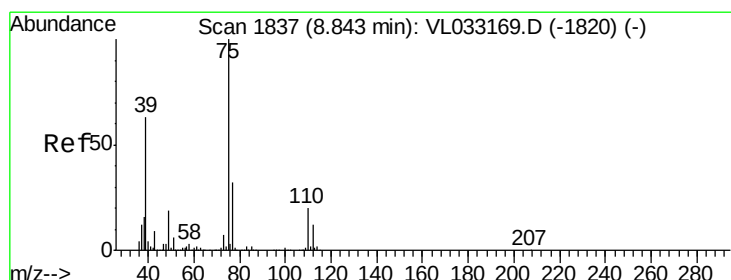
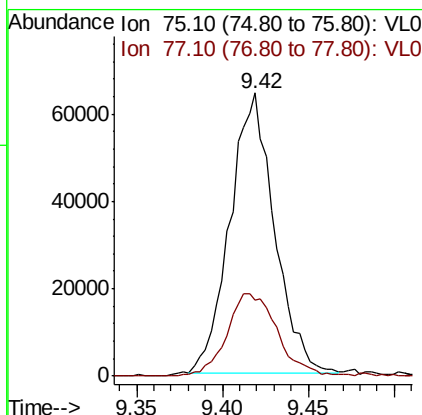
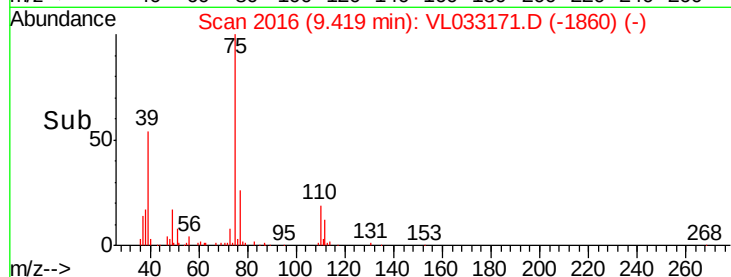
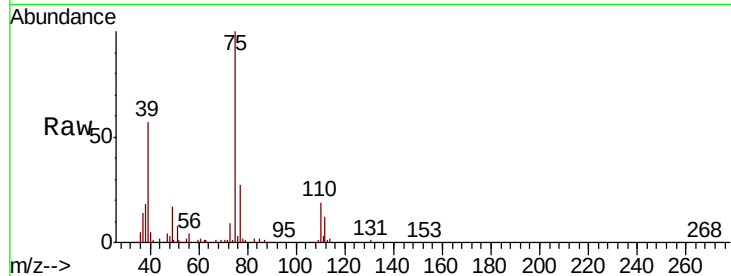
#45
 t-1,3-Dichloropropene
 Concen: 0.959 ppbv
 RT: 9.42 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VL033171.D
 Acq: 6 Feb 2019 3:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 75 Resp: 114692
 Ion Ratio Lower Upper
 75 100
 77 27.0 25.0 37.4

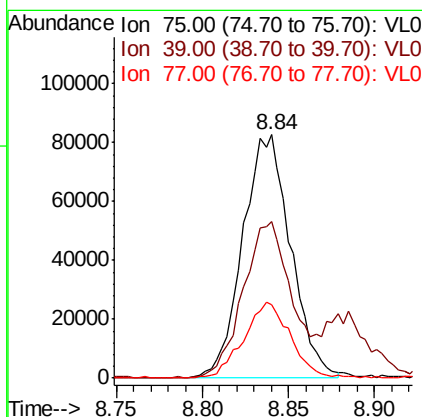
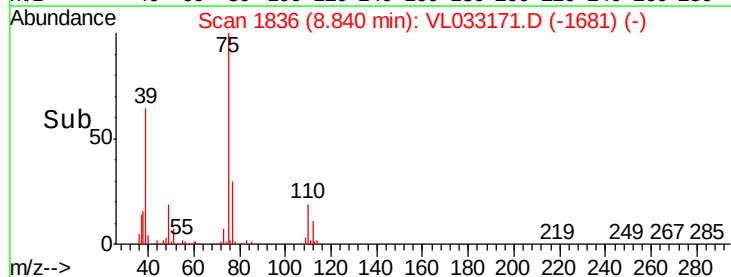
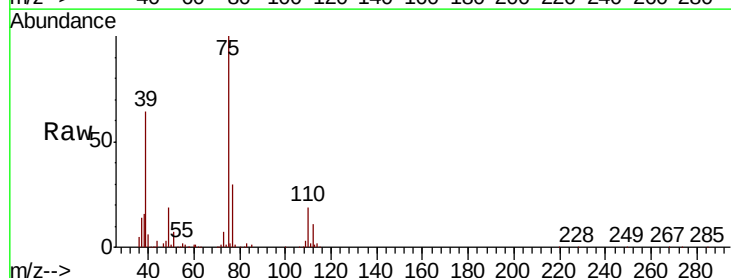
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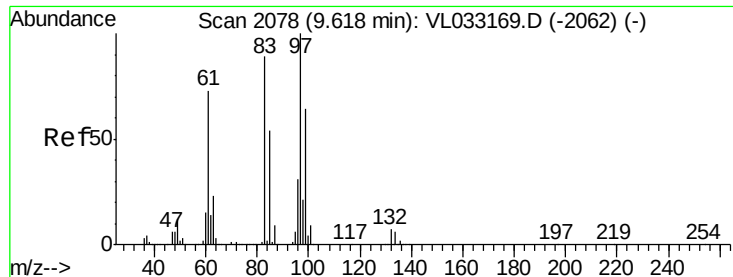
MMDadoda
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#46
 cis-1,3-Dichloropropene
 Concen: 1.051 ppbv
 RT: 8.84 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VL033171.D
 Acq: 6 Feb 2019 3:09

Tgt Ion: 75 Resp: 160147
 Ion Ratio Lower Upper
 75 100
 39 64.1 50.1 75.1
 77 30.2 25.4 38.2





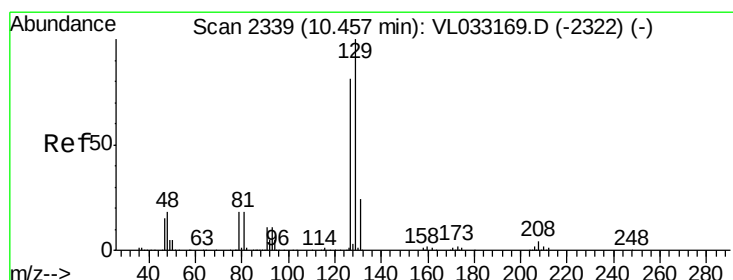
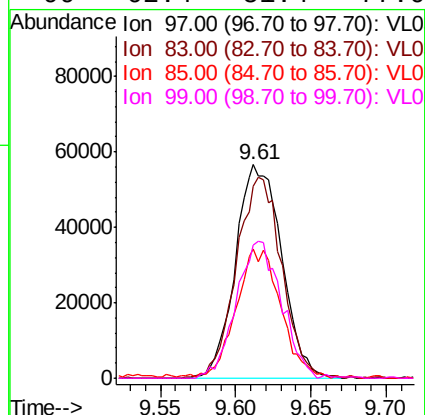
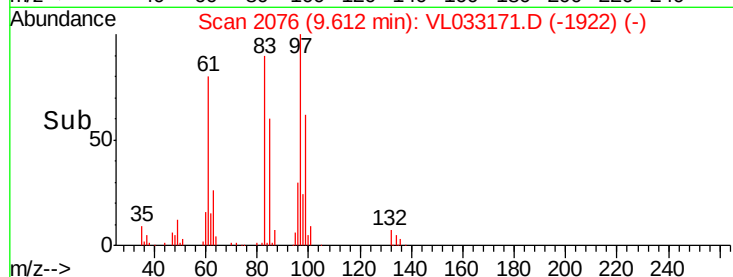
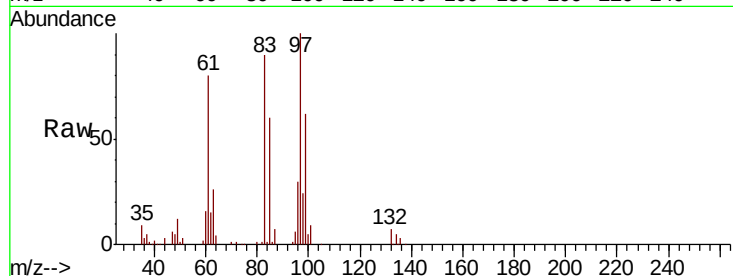
#47
 1,1,2-Trichloroethane
 Concen: 1.097 ppbv m
 RT: 9.61 min Scan# 2076
 Delta R.T. -0.01 min
 Lab File: VL033171.D
 Acq: 6 Feb 2019 3:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.9	71.4	107.2
85	60.3	43.5	65.3
99	62.4	51.4	77.0

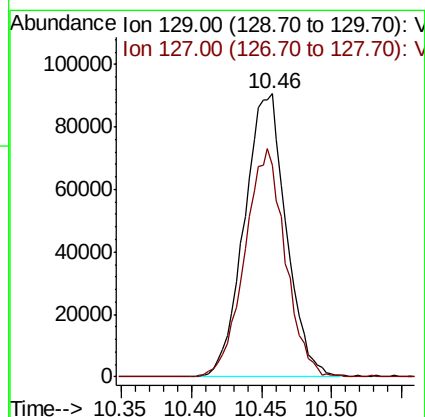
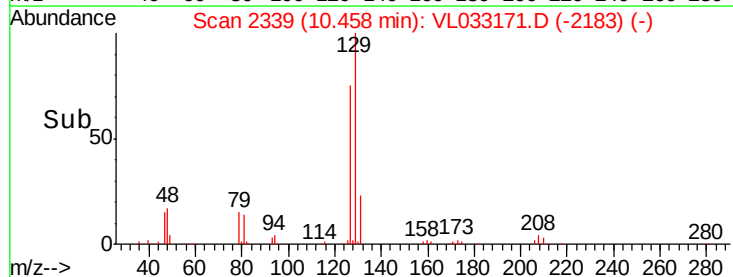
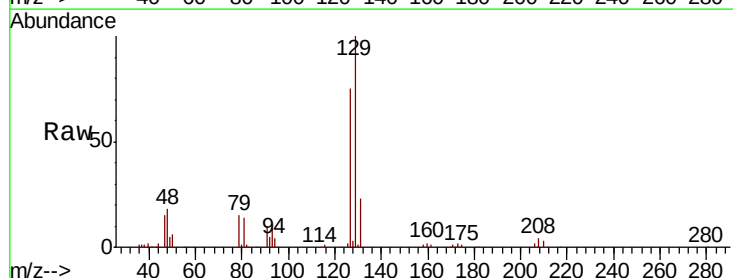
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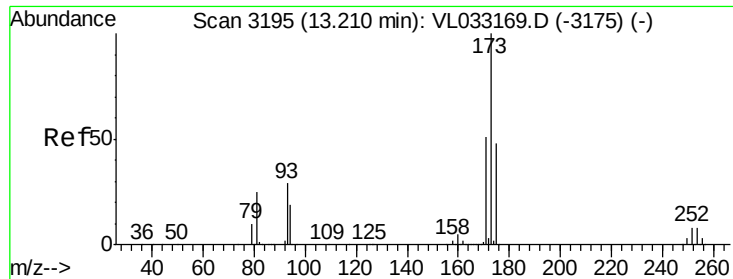
MMDadoda
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#48
 Dibromochloromethane
 Concen: 1.093 ppbv
 RT: 10.46 min Scan# 2339
 Delta R.T. 0.00 min
 Lab File: VL033171.D
 Acq: 6 Feb 2019 3:09

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.1	117.3





#49

Bromoform

Concen: 1.065 ppbv m

RT: 13.20 min Scan# 3193

Delta R.T. -0.01 min

Lab File: VL033171.D

Acq: 6 Feb 2019 3:09

Instrument :

MSVOA_L

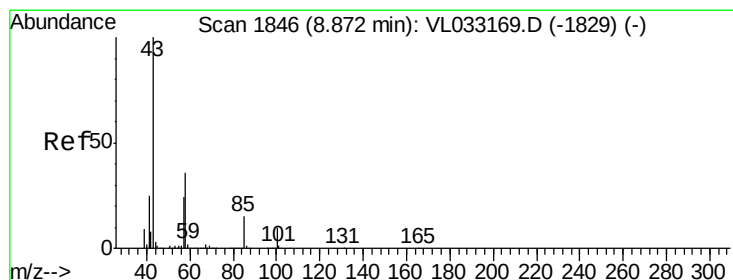
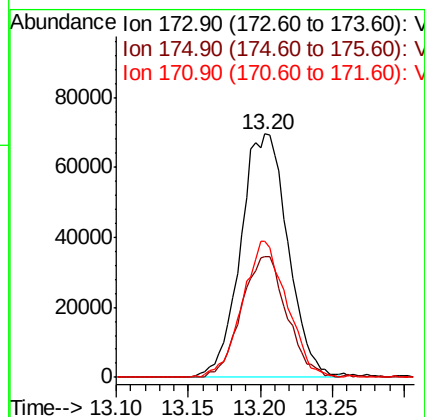
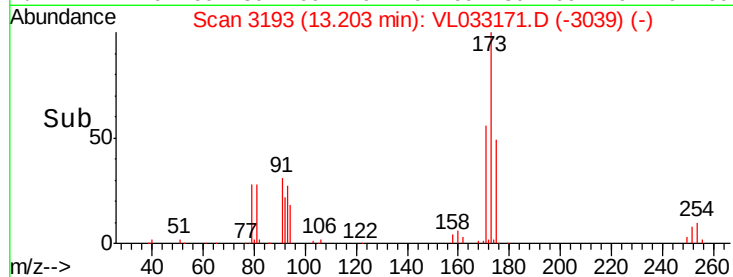
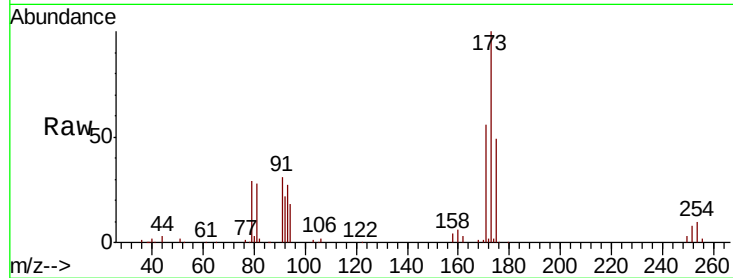
ClientSampleId :

VSTDIC001

Tgt Ion:	173	Resp:	158581
Ion Ratio	Lower	Upper	
173	100		
175	0.0	38.6	58.0#
171	0.0	41.6	62.4#

Manual Integrations
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#50

4-Methyl-2-Pentanone

Concen: 1.118 ppbv

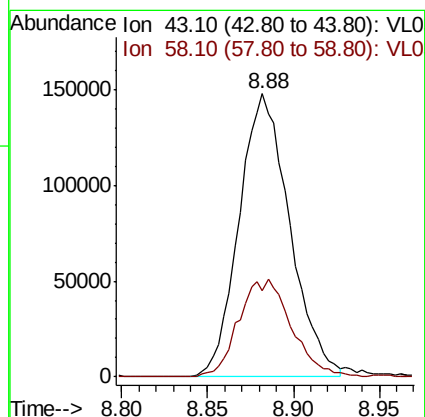
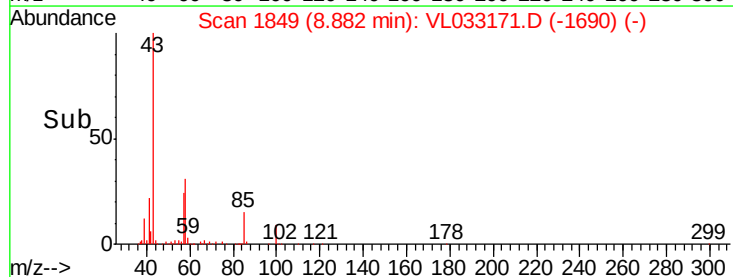
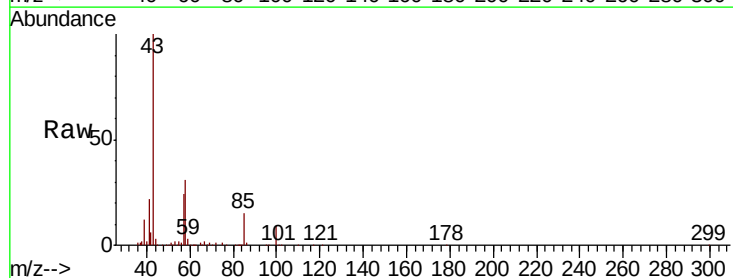
RT: 8.88 min Scan# 1849

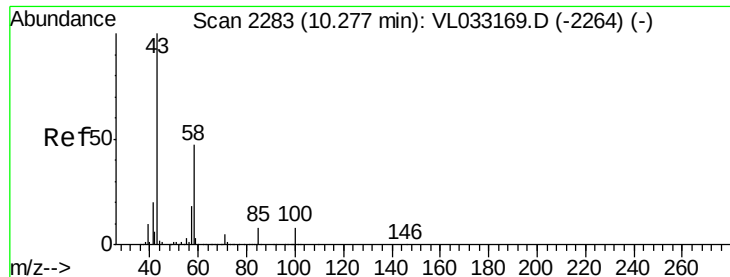
Delta R.T. 0.01 min

Lab File: VL033171.D

Acq: 6 Feb 2019 3:09

Tgt Ion:	43	Resp:	300809
Ion Ratio	Lower	Upper	
43	100		
58	36.2	29.0	43.6





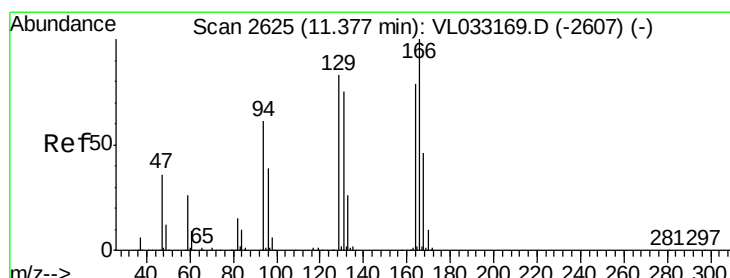
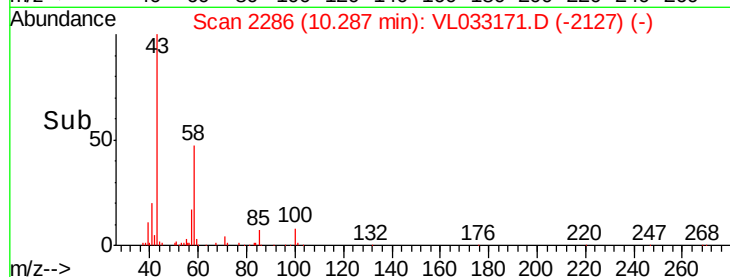
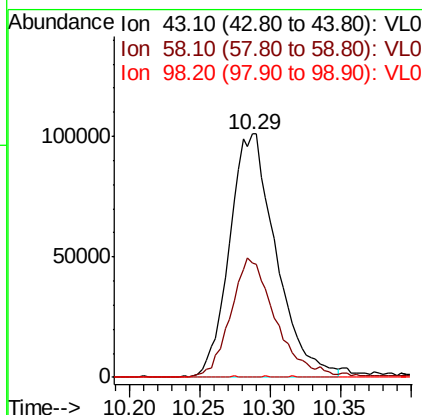
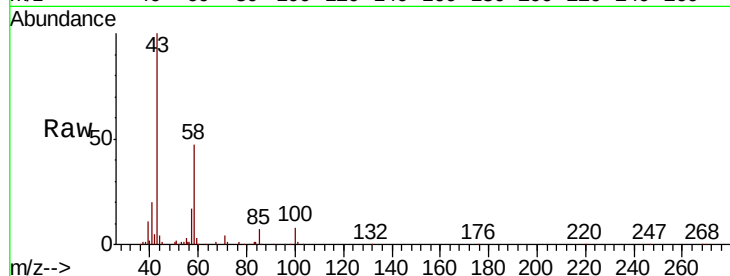
#51
2-Hexanone
Concen: 1.094 ppbv
RT: 10.29 min Scan# 2286
Delta R.T. 0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampled :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
43	100		
58	48.7	39.0	58.6
98	0.2	0.1	0.1#

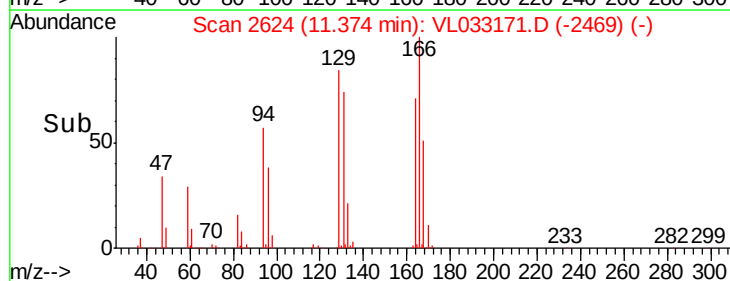
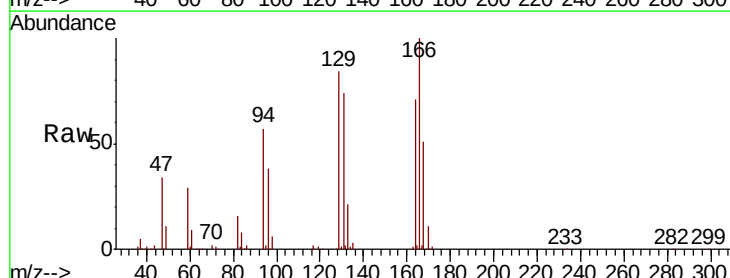
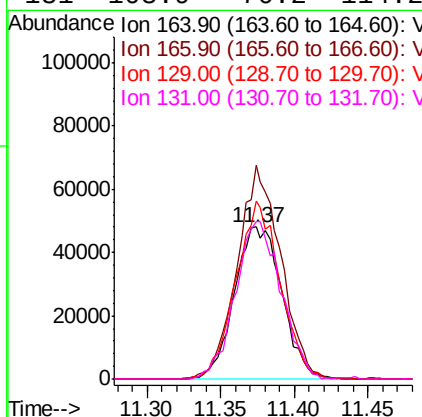
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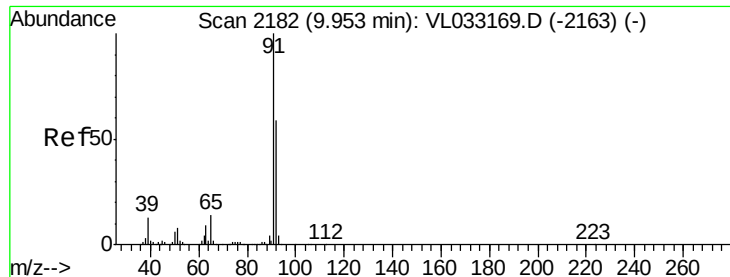
MMDadoda
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#52
Tetrachloroethene
Concen: 1.042 ppbv m
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	140.5	100.9	151.3
129	117.4	83.9	125.9
131	103.9	76.2	114.2





#53

Toluene

Concen: 1.126 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. -0.00 min

Lab File: VL033171.D

Acq: 6 Feb 2019 3:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 357378

Ion Ratio Lower Upper

91 100

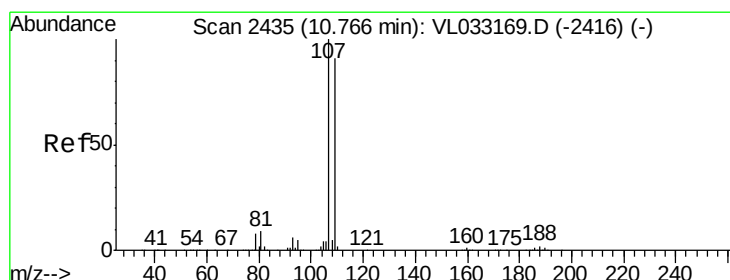
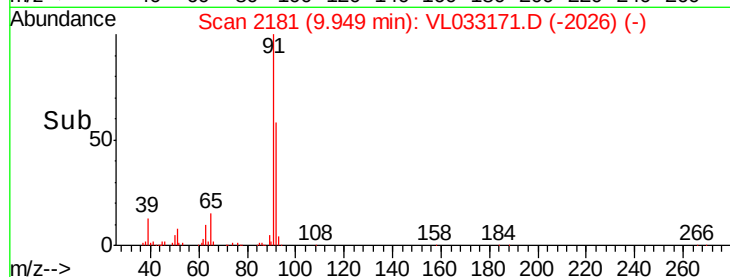
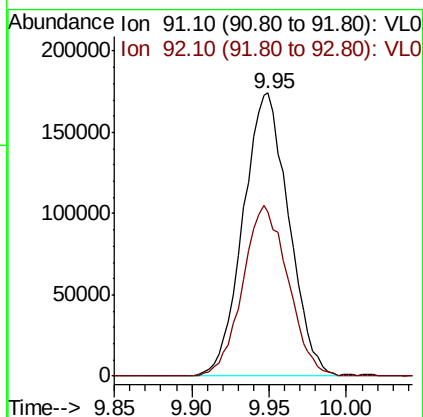
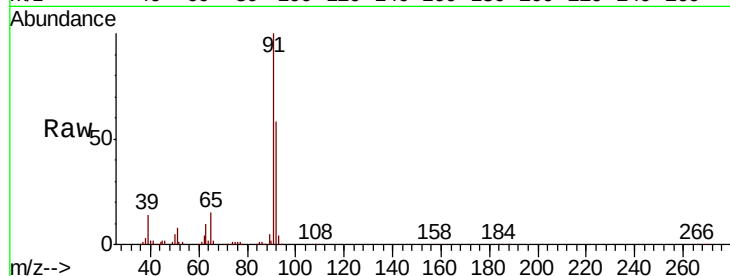
92 60.1 48.0 72.0

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#54

1,2-Dibromoethane

Concen: 1.123 ppbv

RT: 10.76 min Scan# 2433

Delta R.T. -0.01 min

Lab File: VL033171.D

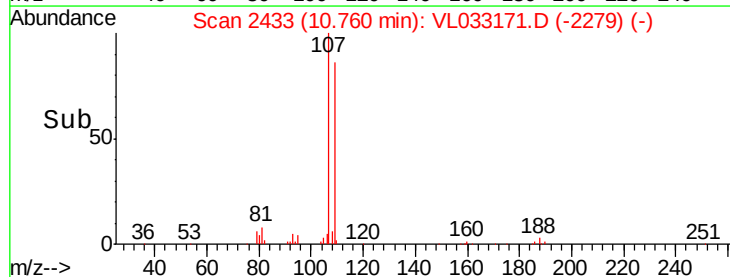
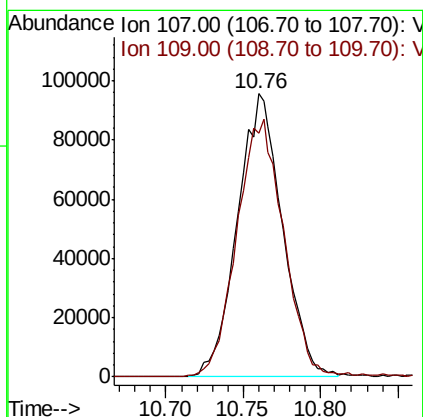
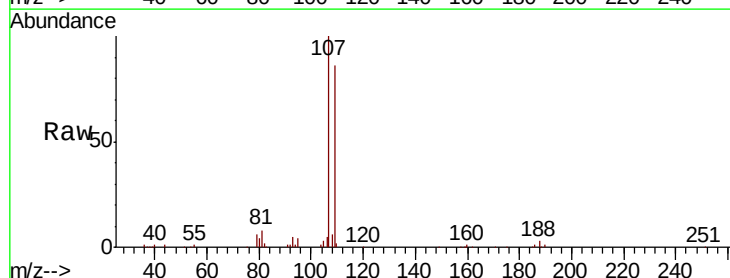
Acq: 6 Feb 2019 3:09

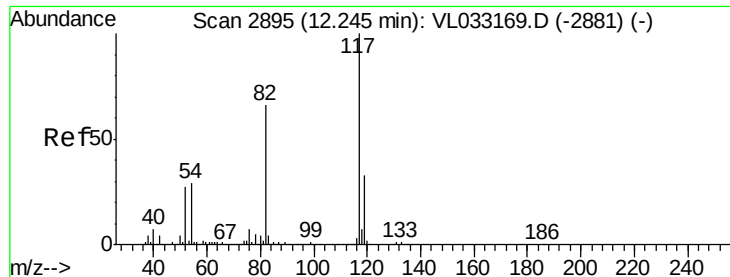
Tgt Ion: 107 Resp: 193609

Ion Ratio Lower Upper

107 100

109 85.6 73.2 109.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VL033171.D

Acq: 6 Feb 2019 3:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:117 Resp: 2575591

Ion Ratio Lower Upper

117 100

82 63.3 53.8 80.8

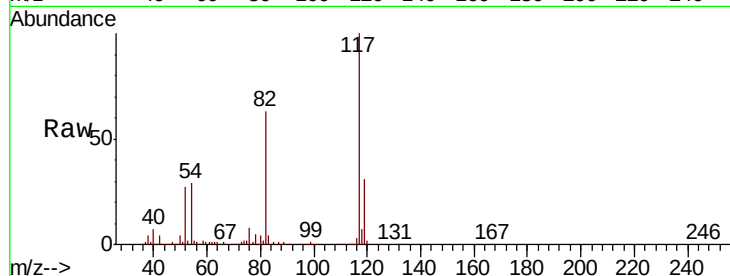
119 34.8 46.9 70.3#

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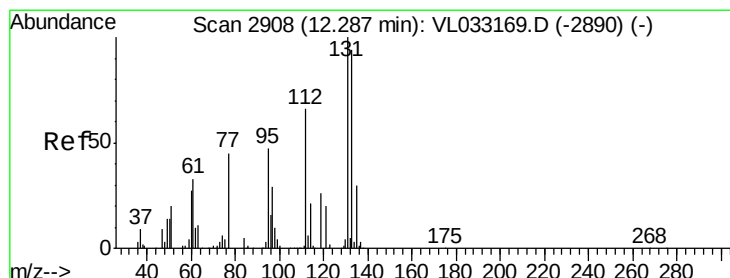
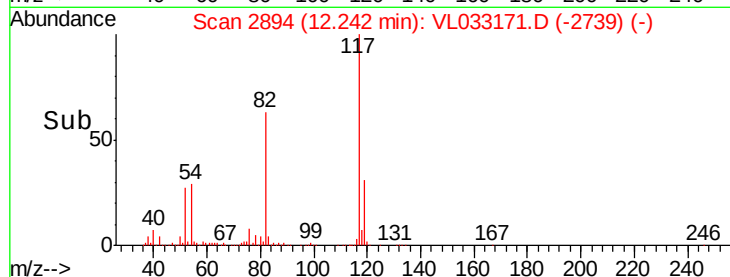
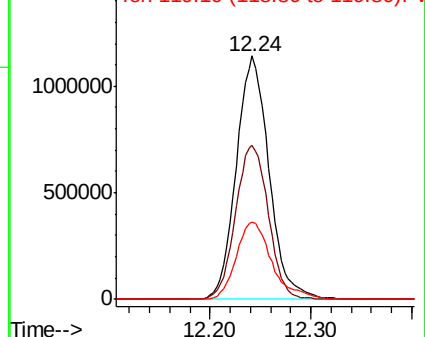


Abundance

Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 1.115 ppbv

RT: 12.28 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VL033171.D

Acq: 6 Feb 2019 3:09

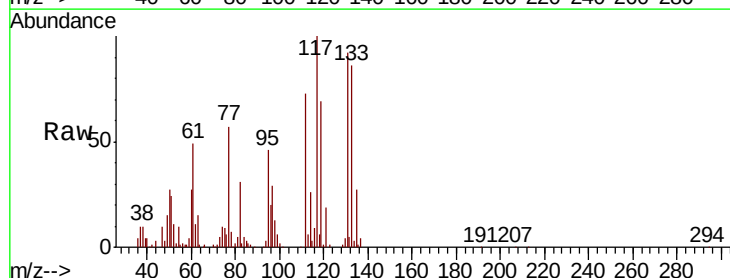
Tgt Ion:131 Resp: 133726

Ion Ratio Lower Upper

131 100

133 97.1 75.8 113.6

119 670.4 48.1 72.1#

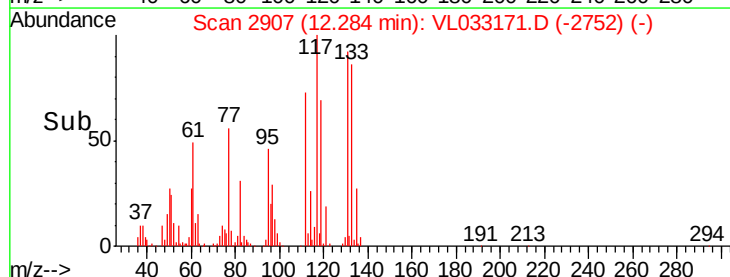
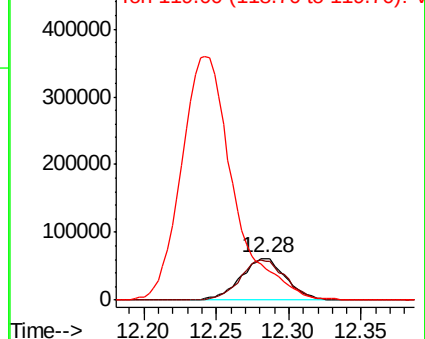


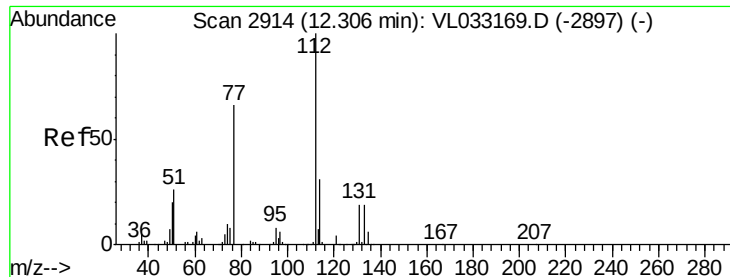
Abundance

Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 1.169 ppbv

RT: 12.30 min Scan# 2912

Delta R.T. -0.01 min

Lab File: VL033171.D

Acq: 6 Feb 2019 3:09

Instrument :

MSVOA_L

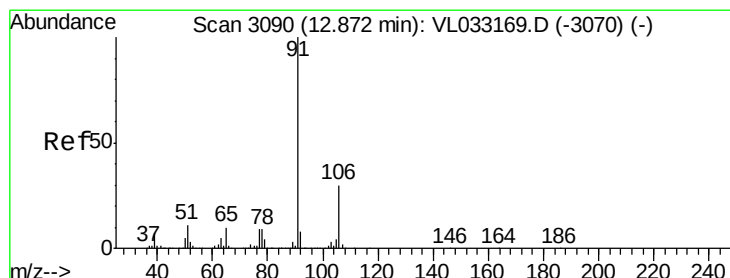
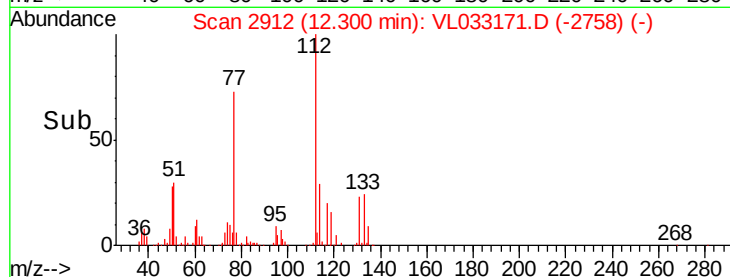
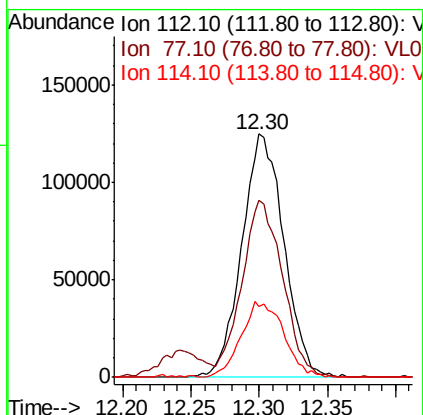
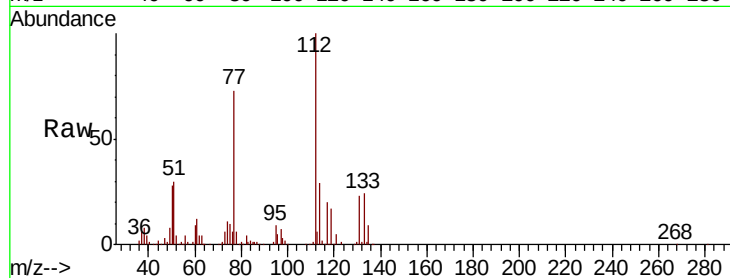
ClientSampleId :

VSTDIC001

Tgt Ion:	112	Resp:	266564
Ion Ratio	Lower	Upper	
112	100		
77	72.3	54.0	81.0
114	29.0	27.9	34.1

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#58

Ethyl Benzene

Concen: 1.193 ppbv

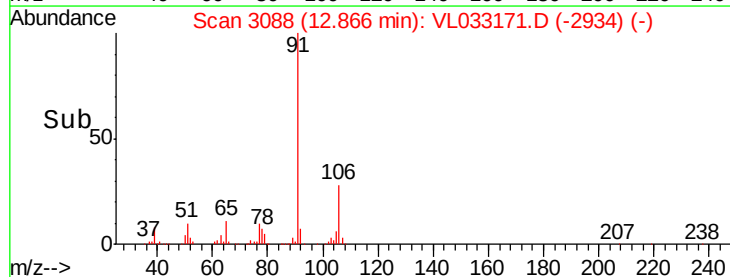
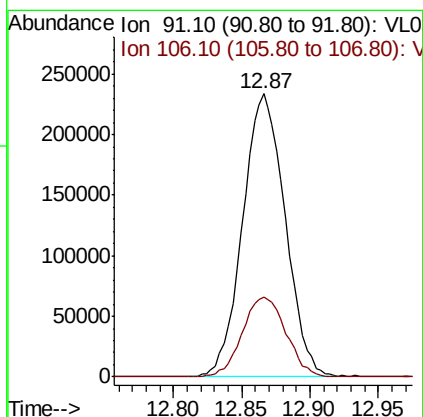
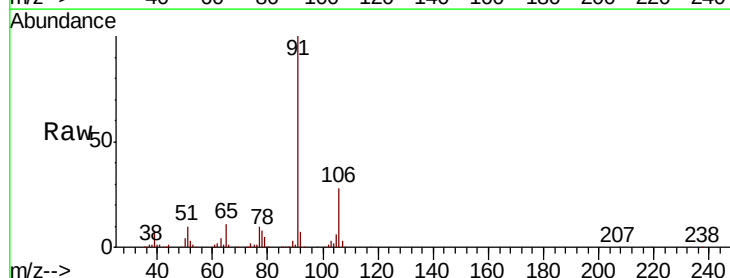
RT: 12.87 min Scan# 3088

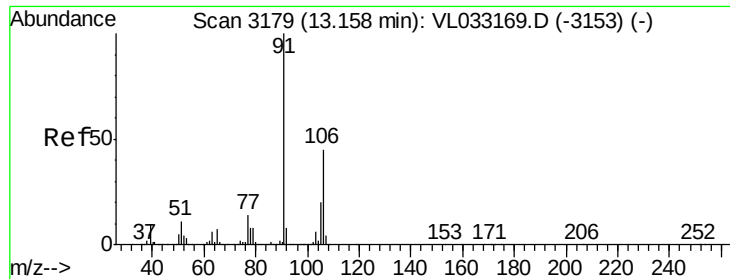
Delta R.T. -0.01 min

Lab File: VL033171.D

Acq: 6 Feb 2019 3:09

Tgt Ion:	91	Resp:	504262
Ion Ratio	Lower	Upper	
91	100		
106	28.2	23.8	35.8





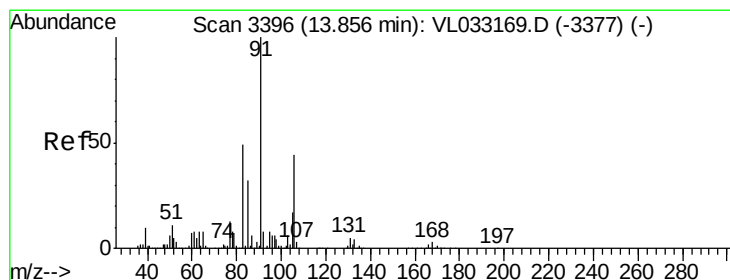
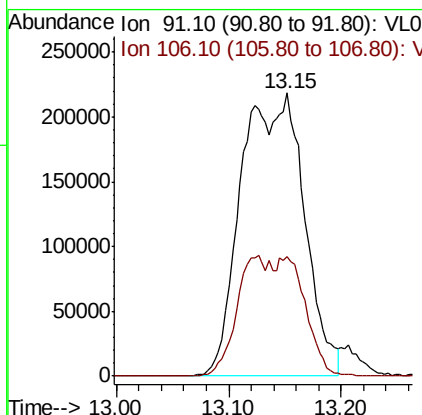
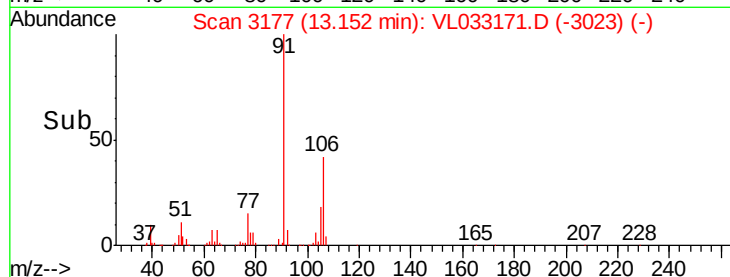
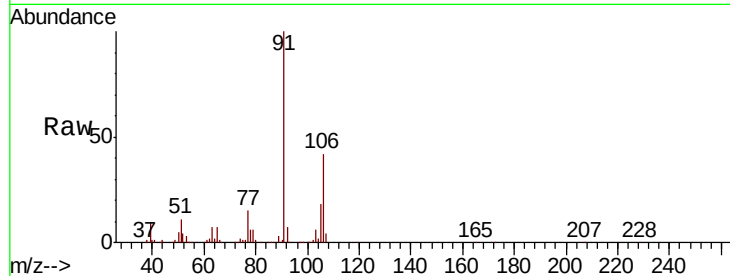
#59
m/p-Xylene
Concen: 2.403 ppbv m
RT: 13.15 min Scan# 3177
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampled :
VSTDIC001

Tgt Ion: 91 Resp: 845195
Ion Ratio Lower Upper
91 100
106 0.0 36.6 55.0#

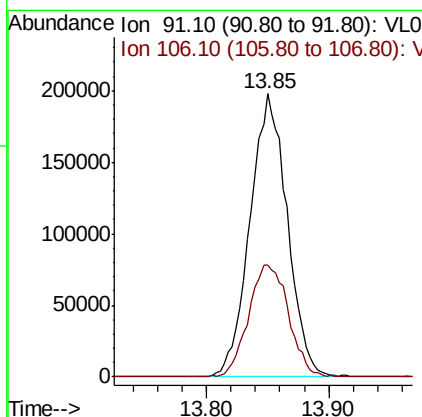
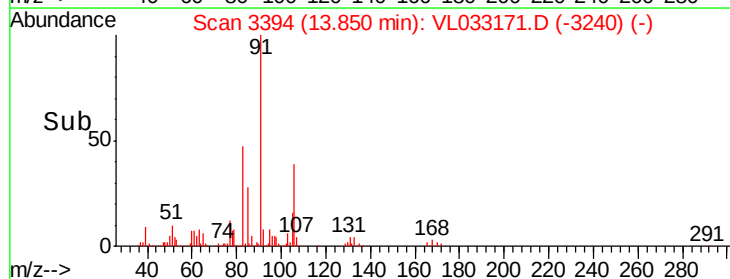
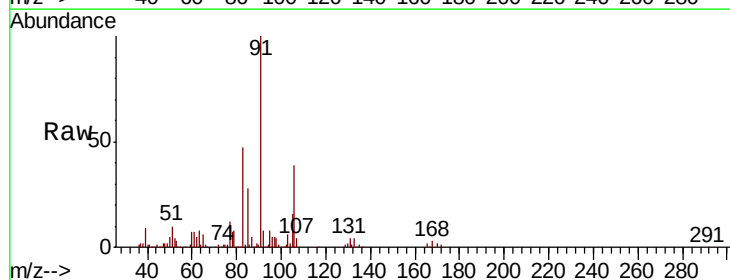
Manual Integrations
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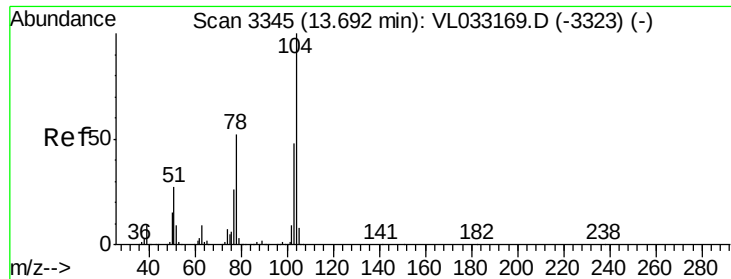
MMDadoda
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#60
o-Xylene
Concen: 1.217 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 91 Resp: 417244
Ion Ratio Lower Upper
91 100
106 42.4 21.8 65.3





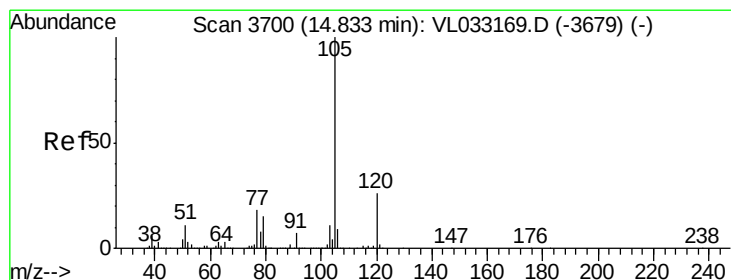
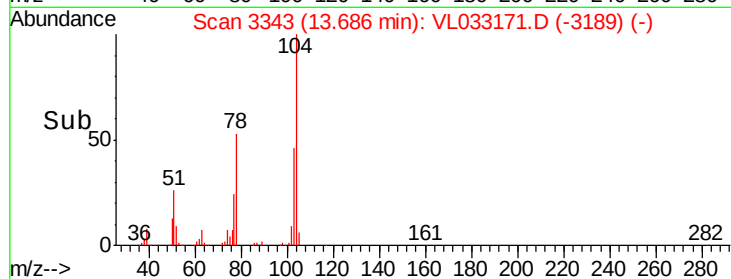
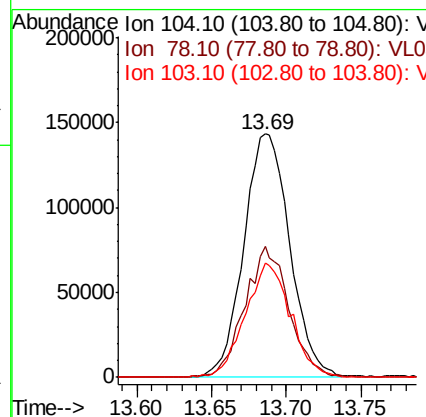
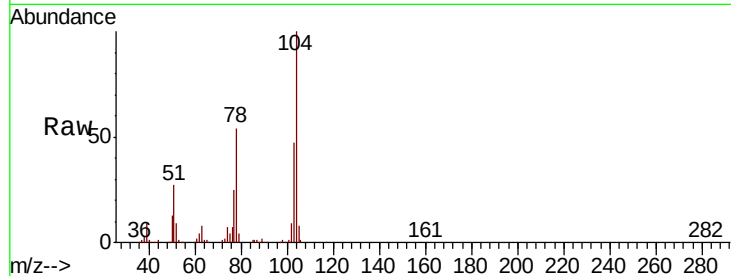
#61
Styrene
Concen: 1.185 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	306862		
78	51.8	41.9	62.9	
103	46.3	37.9	56.9	

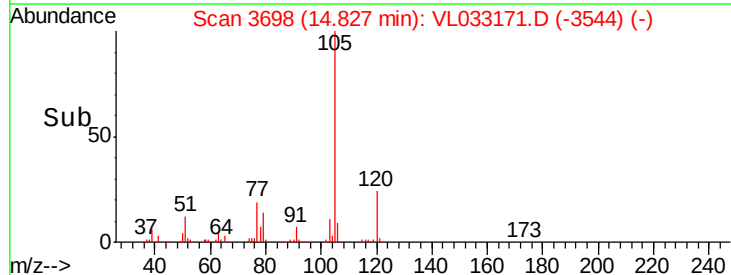
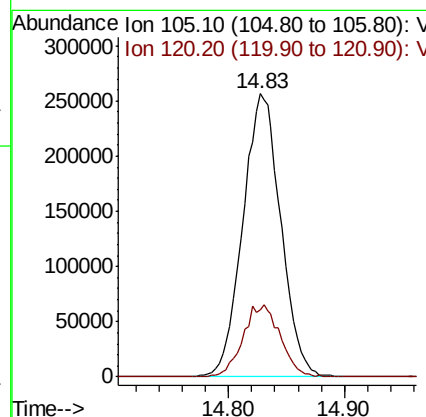
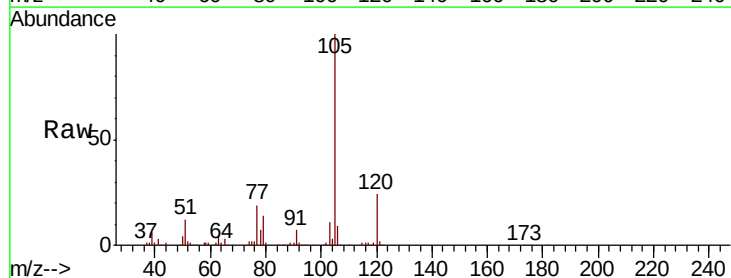
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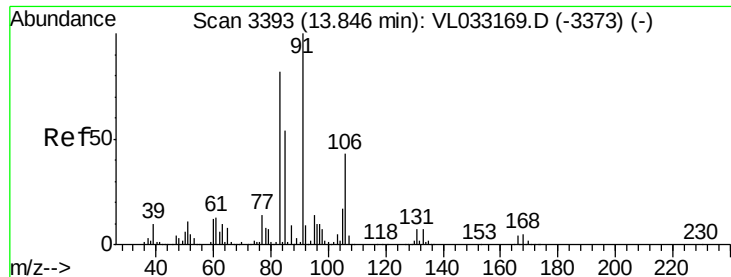
MMDadoda
2/20/2019 12:21:03 PM



#62
Isopropylbenzene
Concen: 1.202 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	581631		
120	24.9	20.3	30.5	





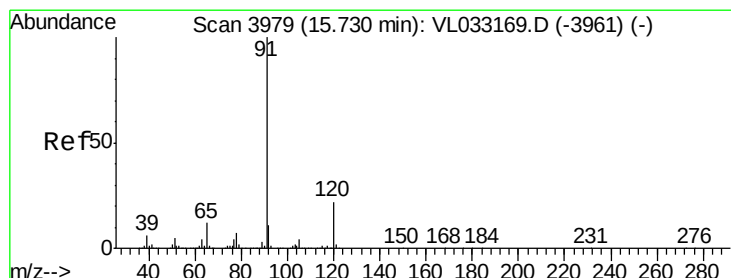
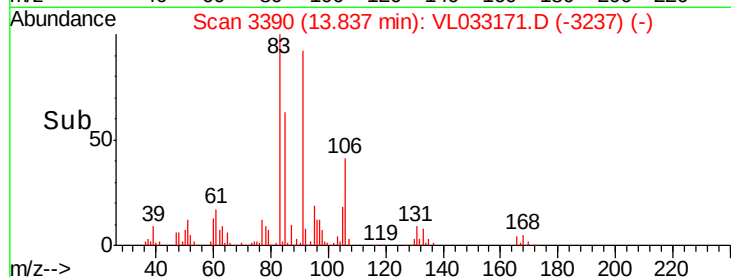
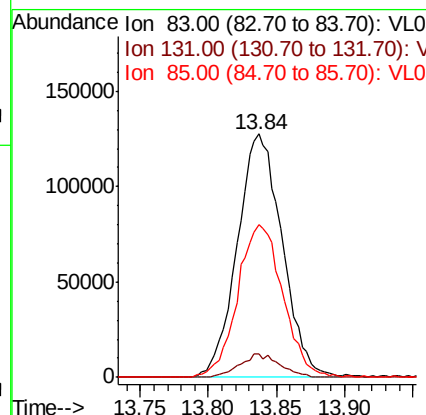
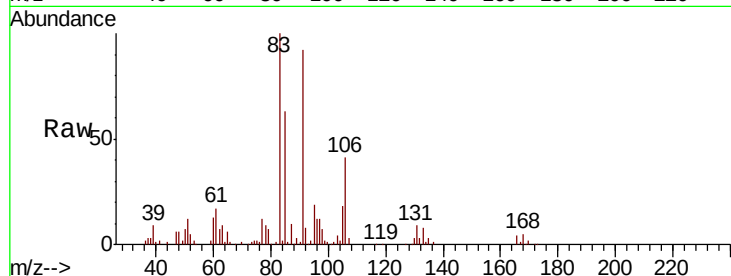
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.075 ppbv
 RT: 13.84 min Scan# 3390
 Delta R.T. -0.01 min
 Lab File: VL033171.D
 Acq: 6 Feb 2019 3:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
131	8.9	4.8	14.3
85	64.0	32.8	98.3

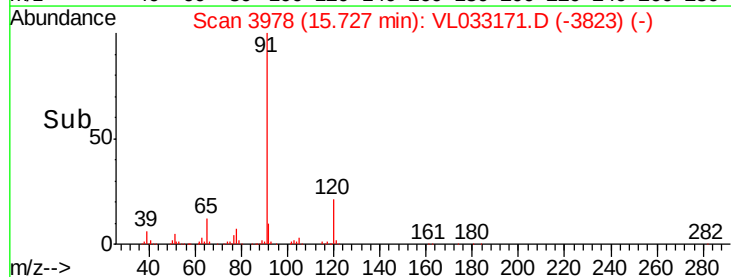
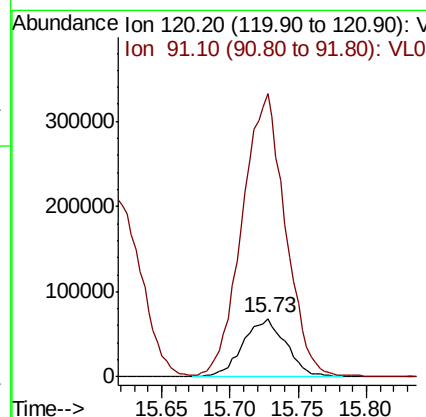
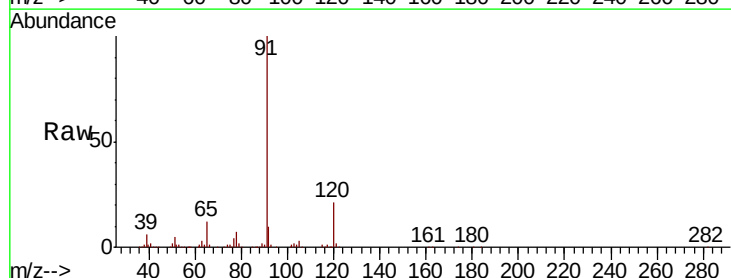
Manual Integrations
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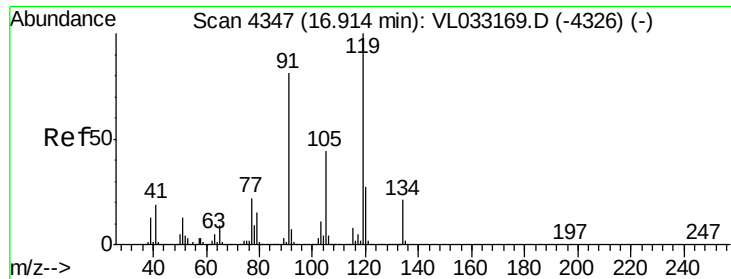
MMDadoda
 2/20/2019 12:21:03 PM



#64
 n-propylbenzene
 Concen: 1.215 ppbv
 RT: 15.73 min Scan# 3978
 Delta R.T. -0.00 min
 Lab File: VL033171.D
 Acq: 6 Feb 2019 3:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
120	100		
91	492.4	383.9	575.9





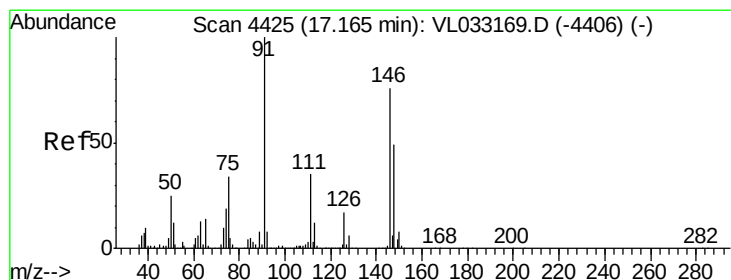
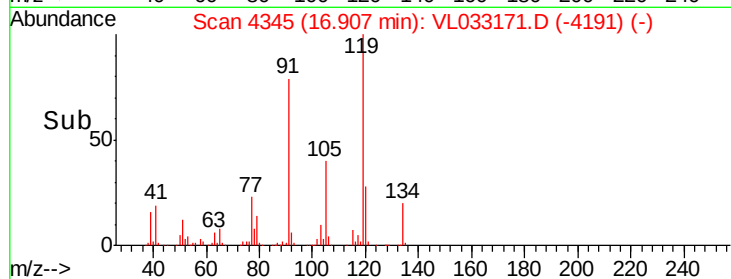
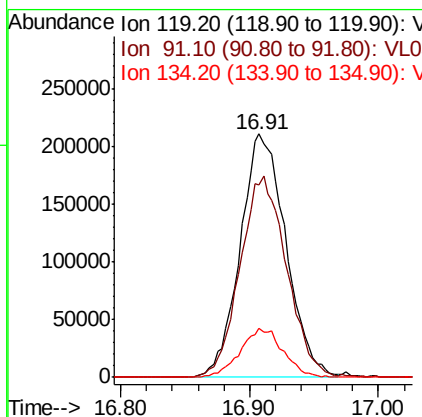
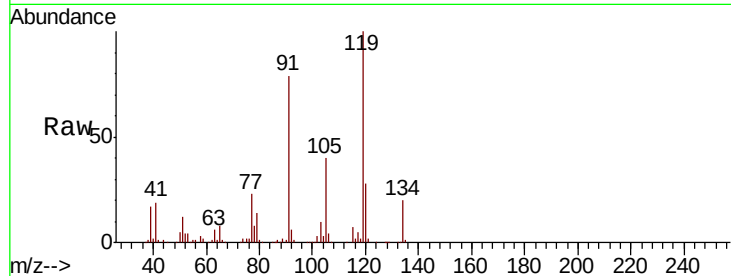
#65
 tert-Butylbenzene
 Concen: 1.227 ppbv
 RT: 16.91 min Scan# 4345
 Delta R.T. -0.01 min
 Lab File: VL033171.D
 Acq: 6 Feb 2019 3:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Resp Lower	Resp Upper
119	100		
91	84.9	65.6	98.4
134	19.2	15.8	23.8

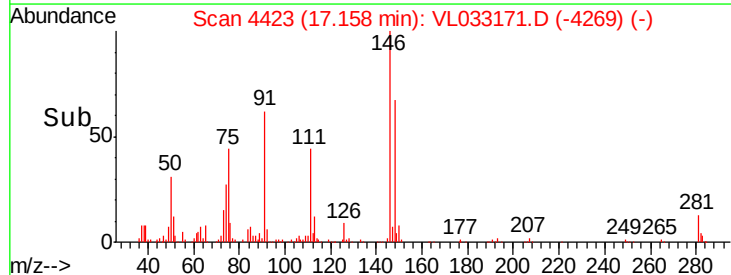
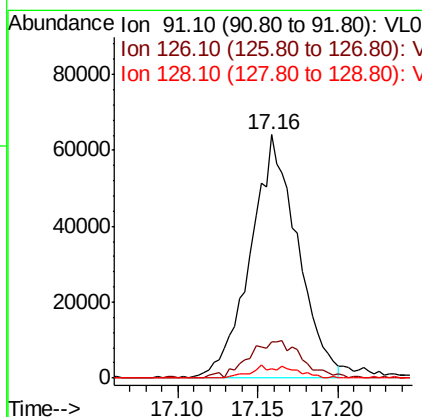
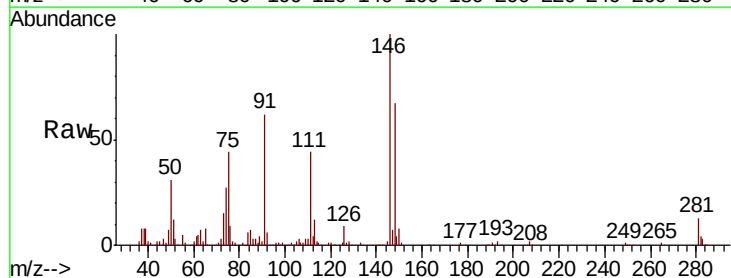
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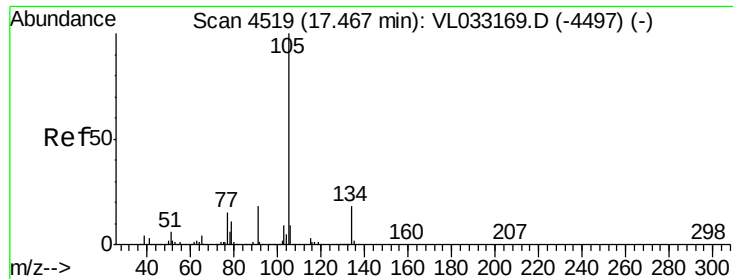
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#66
 Benzyl Chloride
 Concen: 0.855 ppbv
 RT: 17.16 min Scan# 4423
 Delta R.T. -0.01 min
 Lab File: VL033171.D
 Acq: 6 Feb 2019 3:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
91	100		
126	18.1	13.8	20.6
128	4.8	4.5	6.7





#67

sec-Butylbenzene

Concen: 1.244 ppbv

RT: 17.46 min Scan# 4517

Delta R.T. -0.01 min

Lab File: VL033171.D

Acq: 6 Feb 2019 3:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 105 Resp: 761145

Ion Ratio Lower Upper

105 100

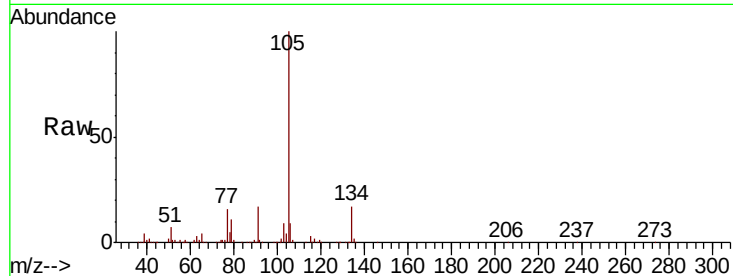
134 17.5 14.6 22.0

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

17.46

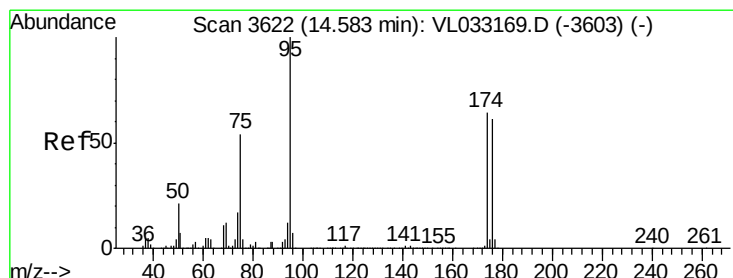
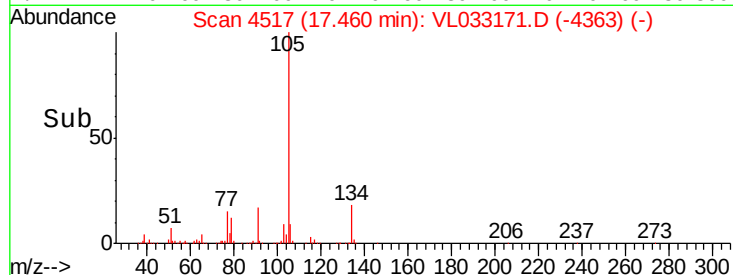
300000

200000

100000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.188 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. -0.01 min

Lab File: VL033171.D

Acq: 6 Feb 2019 3:09

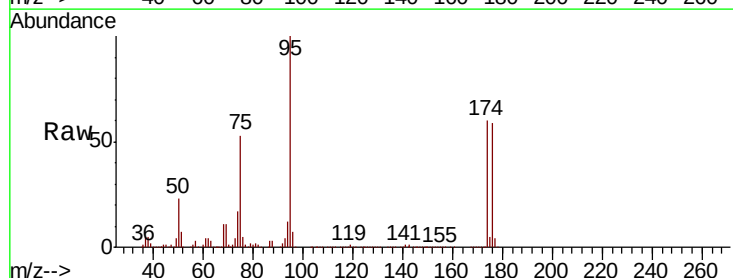
Tgt Ion: 95 Resp: 2045161

Ion Ratio Lower Upper

95 100

174 63.8 51.1 76.7

175 4.8 3.8 5.6



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

14.58

1200000

1000000

800000

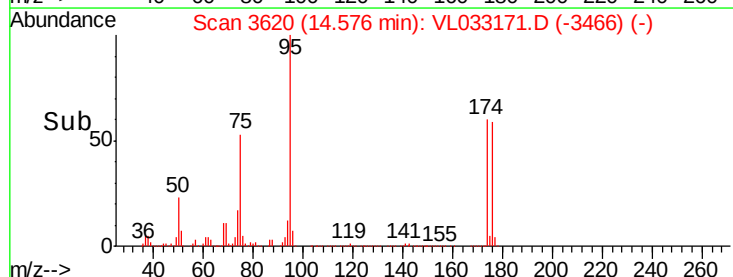
600000

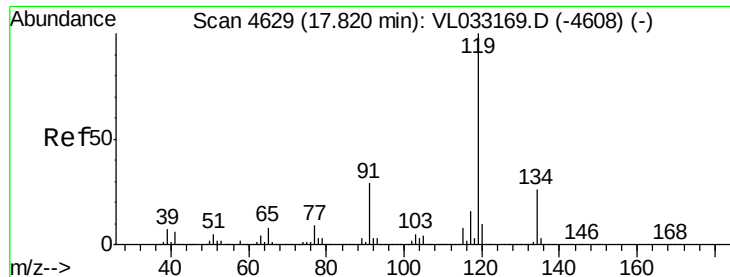
400000

200000

0

Time-->





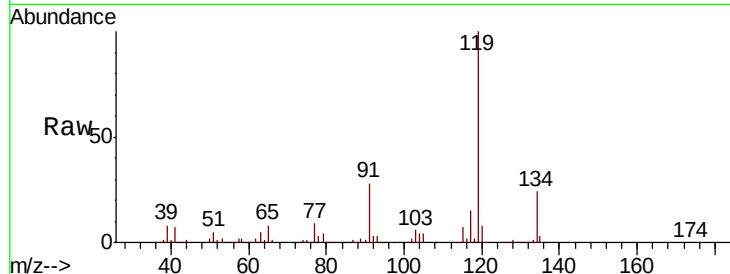
#69
 p-Isopropyltoluene
 Concen: 1.256 ppbv
 RT: 17.82 min Scan# 4628
 Delta R.T. -0.00 min
 Lab File: VL033171.D
 Acq: 6 Feb 2019 3:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

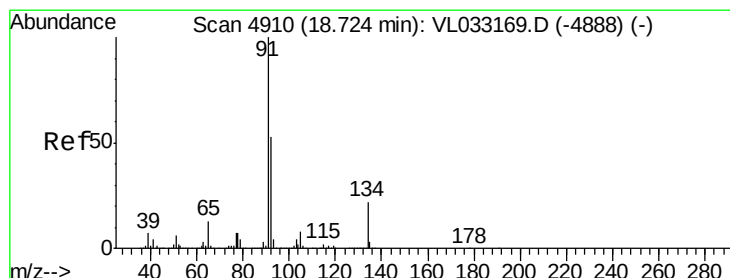
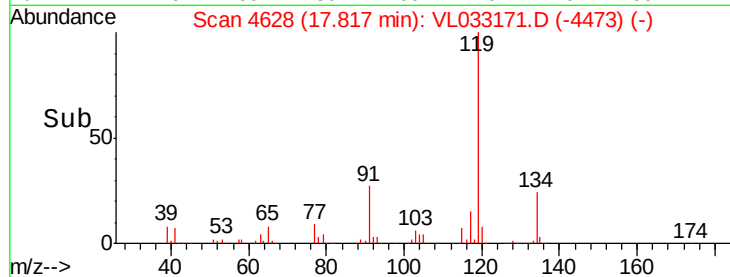
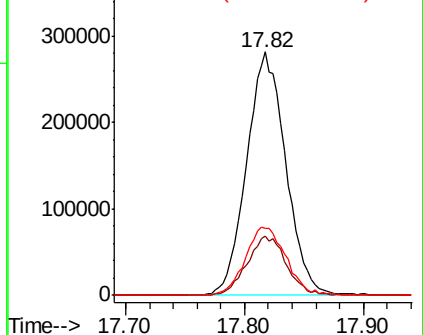
Tgt Ion	Ratio	Resp	Lower	Upper
119	100	639657		
134	24.4	20.4	30.6	
91	29.5	23.4	35.0	

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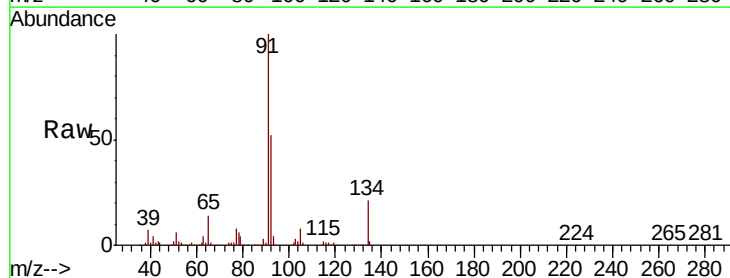


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

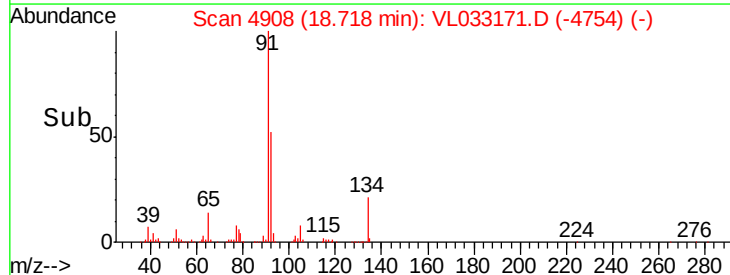
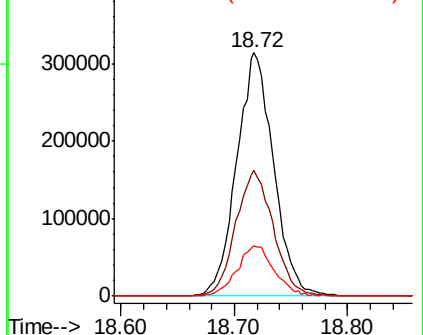


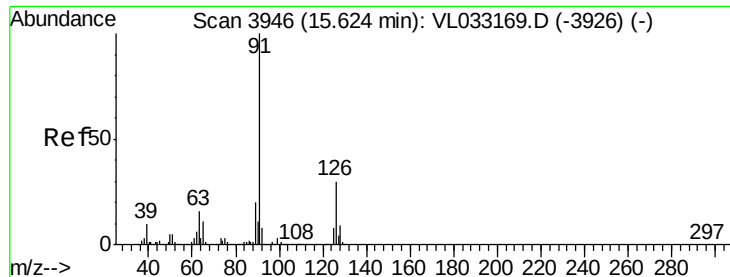
#70
 n-Butylbenzene
 Concen: 1.294 ppbv
 RT: 18.72 min Scan# 4908
 Delta R.T. -0.01 min
 Lab File: VL033171.D
 Acq: 6 Feb 2019 3:09

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	711116		
92	52.7	43.0	64.4	
134	21.0	17.5	26.3	



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





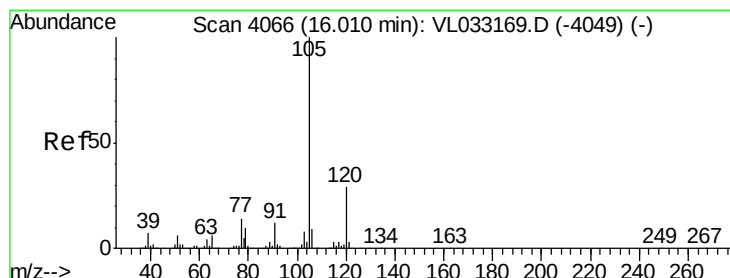
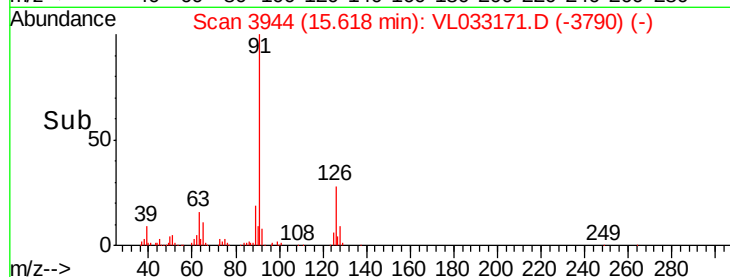
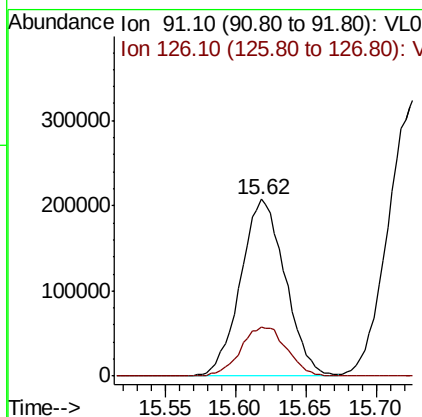
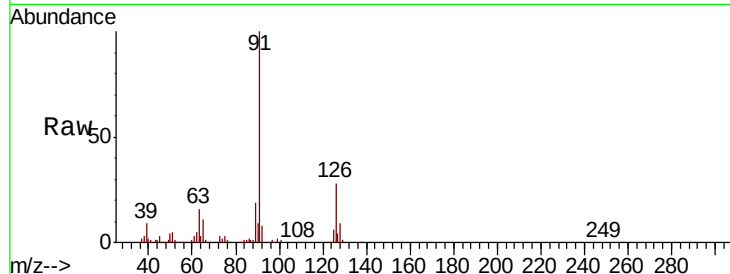
#71
2-Chlorotoluene
Concen: 1.208 ppbv
RT: 15.62 min Scan# 3944
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 459186
Ion Ratio Lower Upper
91 100
126 28.9 11.8 47.4

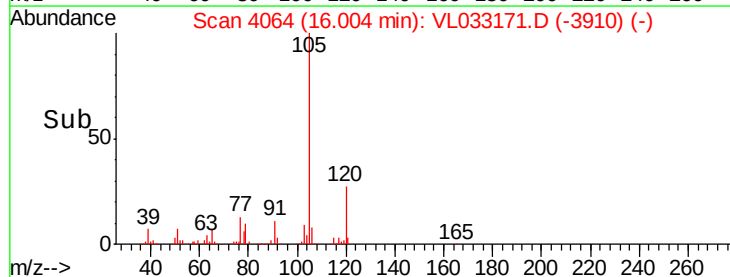
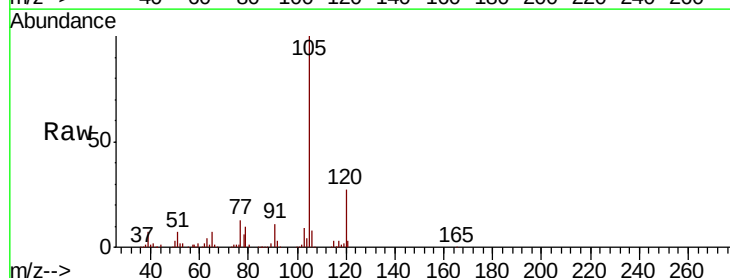
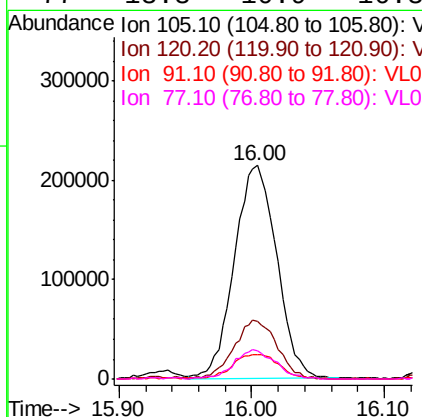
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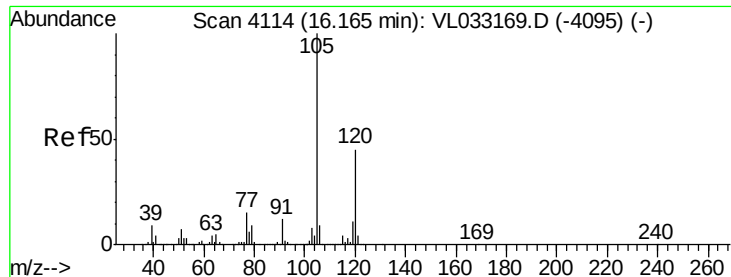
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#72
4-Ethyltoluene
Concen: 1.209 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 105 Resp: 478154
Ion Ratio Lower Upper
105 100
120 27.9 23.1 34.7
91 13.7 9.8 14.6
77 13.3 10.9 16.3





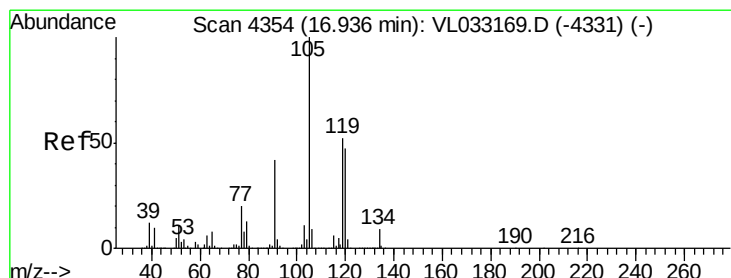
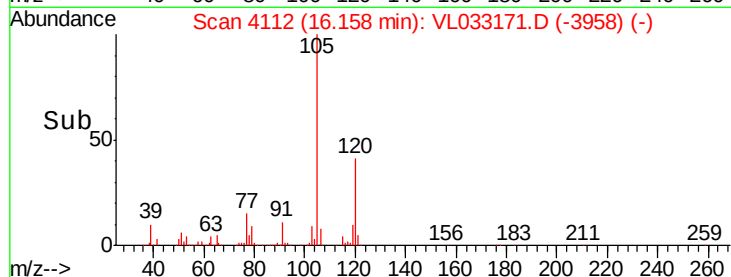
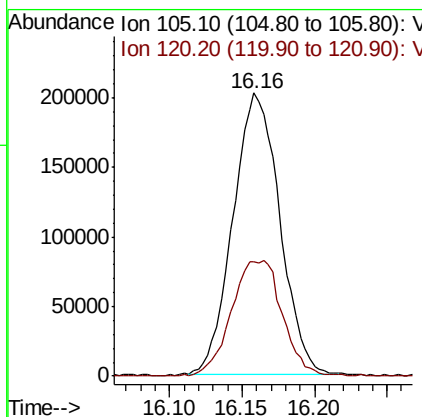
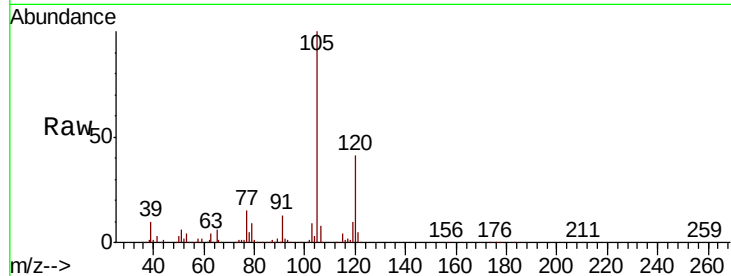
#73
 1,3,5-Trimethylbenzene
 Concen: 1.190 ppbv
 RT: 16.16 min Scan# 4112
 Delta R.T. -0.01 min
 Lab File: VL033171.D
 Acq: 6 Feb 2019 3:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion:105 Resp: 450021
 Ion Ratio Lower Upper
 105 100
 120 40.6 36.2 54.4

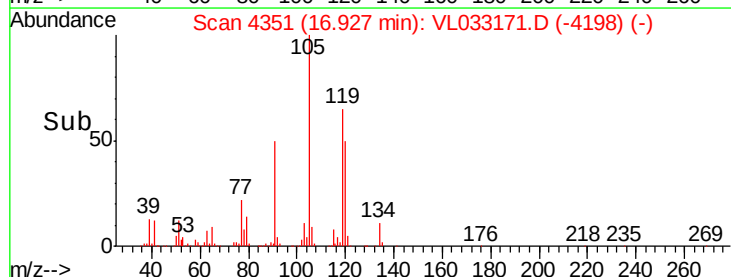
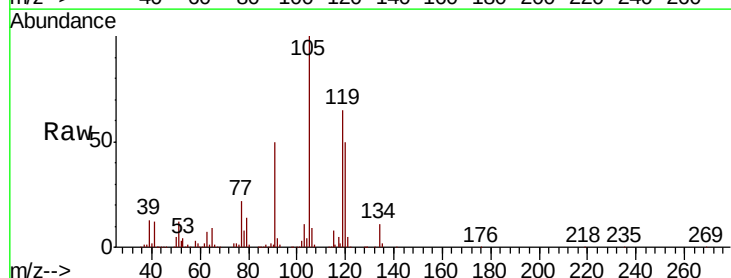
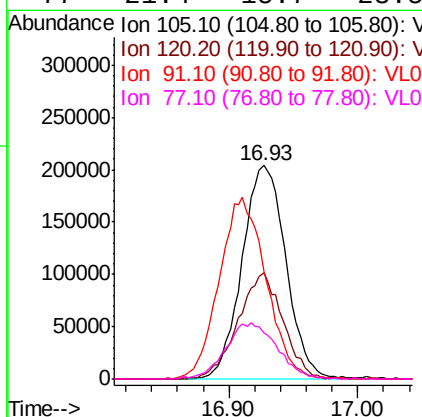
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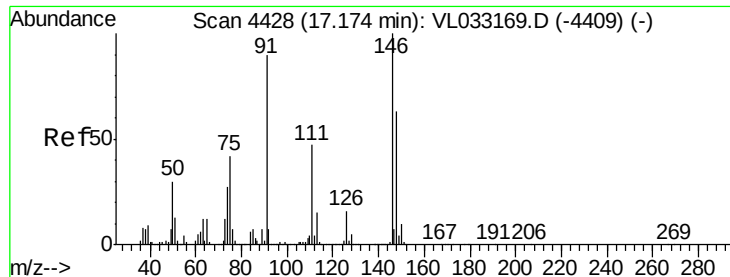
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#74
 1,2,4-Trimethylbenzene
 Concen: 1.229 ppbv
 RT: 16.93 min Scan# 4351
 Delta R.T. -0.01 min
 Lab File: VL033171.D
 Acq: 6 Feb 2019 3:09

Tgt Ion:105 Resp: 482223
 Ion Ratio Lower Upper
 105 100
 120 49.3 37.9 56.9
 91 49.9 34.0 51.0
 77 21.4 15.7 23.5





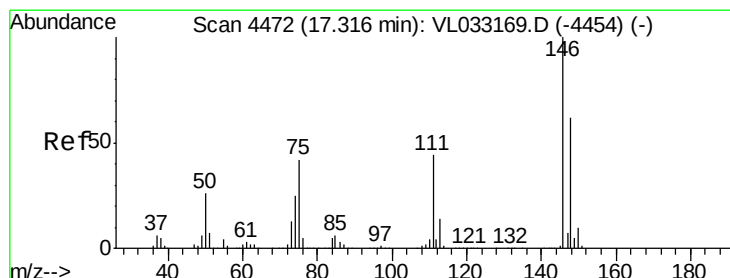
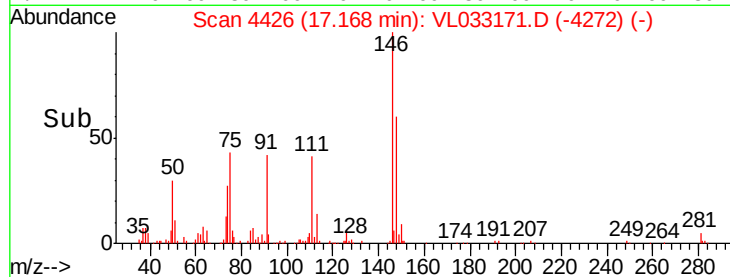
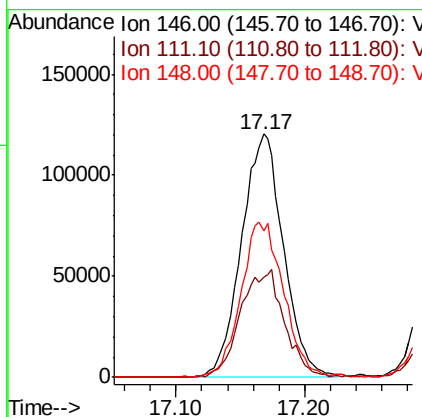
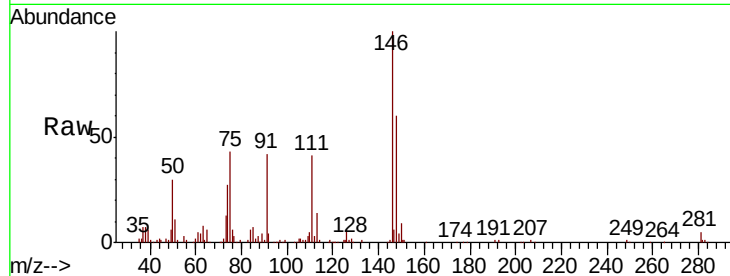
#75
 1,3-Dichlorobenzene
 Concen: 1.207 ppbv
 RT: 17.17 min Scan# 4426
 Delta R.T. -0.01 min
 Lab File: VL033171.D
 Acq: 6 Feb 2019 3:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.0	23.2	69.6
148	65.2	31.8	95.4

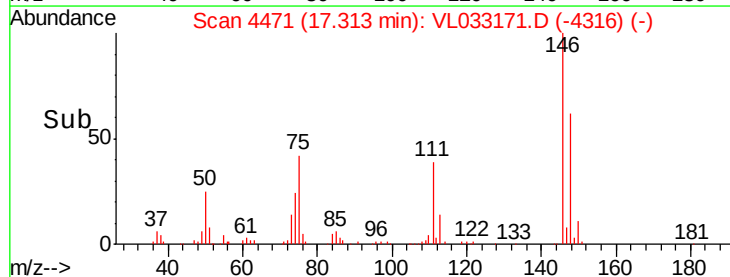
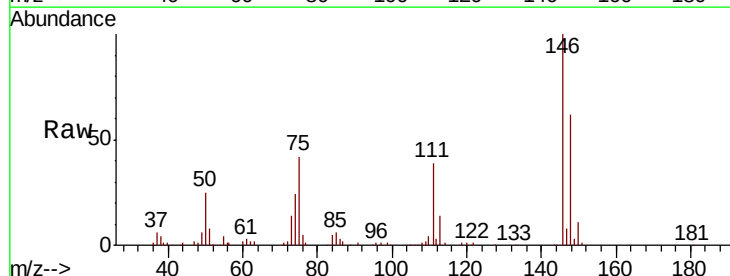
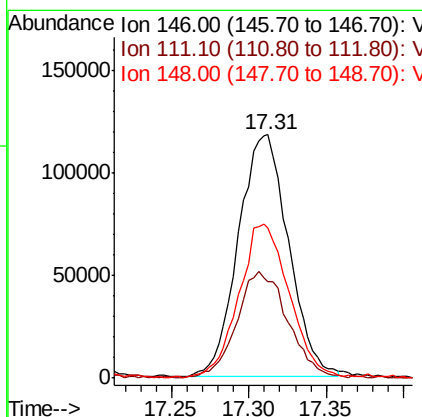
Manual Integrations
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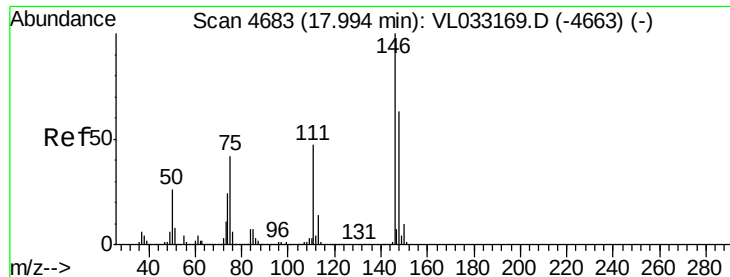
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#76
 1,4-Dichlorobenzene
 Concen: 1.178 ppbv
 RT: 17.31 min Scan# 4471
 Delta R.T. -0.00 min
 Lab File: VL033171.D
 Acq: 6 Feb 2019 3:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.3	66.9
148	64.9	32.0	96.0





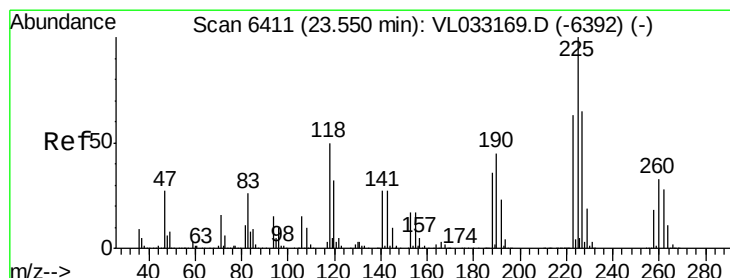
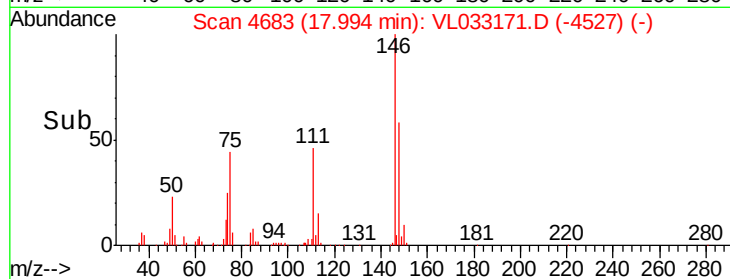
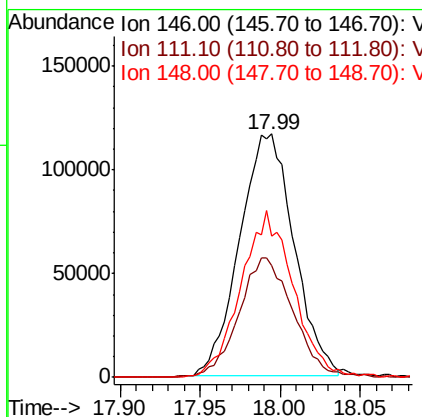
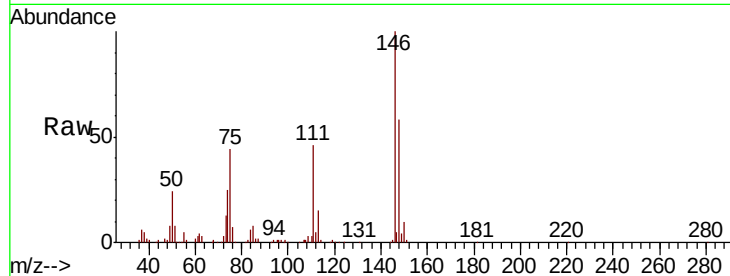
#77
 1,2-Dichlorobenzene
 Concen: 1.219 ppbv
 RT: 17.99 min Scan# 4683
 Delta R.T. 0.00 min
 Lab File: VL033171.D
 Acq: 6 Feb 2019 3:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	272687		
111	49.5	23.5	70.6	
148	66.3	31.9	95.7	

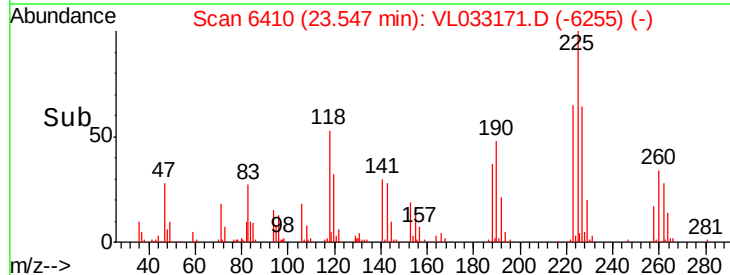
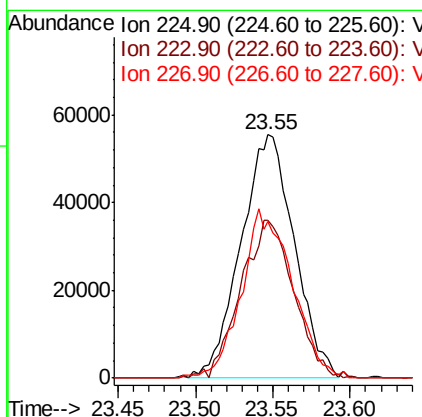
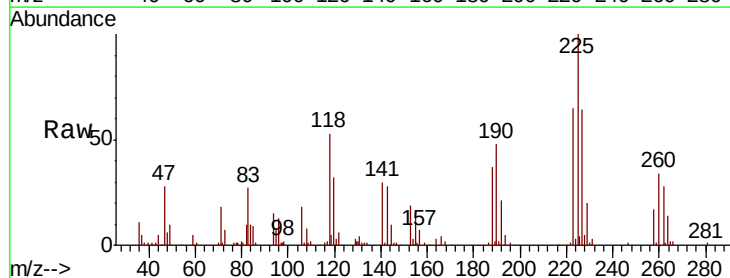
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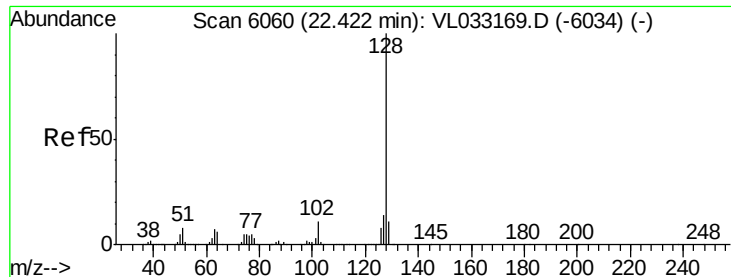
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#78
 Hexachloro-1,3-Butadiene
 Concen: 1.198 ppbv
 RT: 23.55 min Scan# 6410
 Delta R.T. -0.00 min
 Lab File: VL033171.D
 Acq: 6 Feb 2019 3:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	133223		
223	64.6	50.6	75.8	
227	66.0	51.4	77.2	





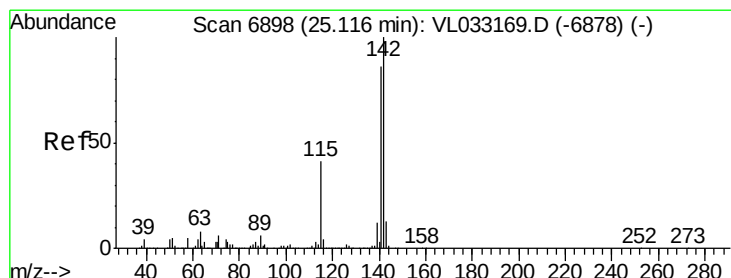
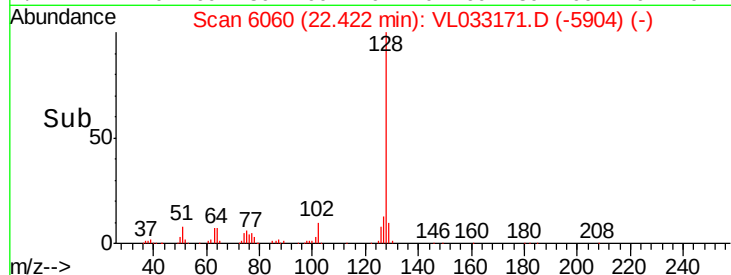
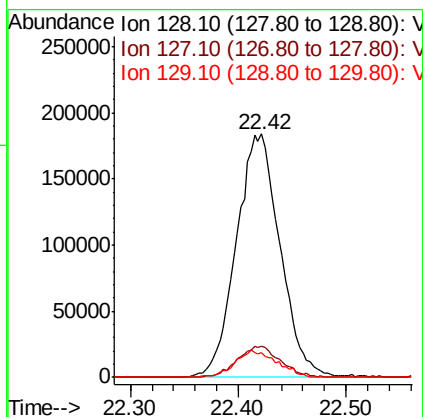
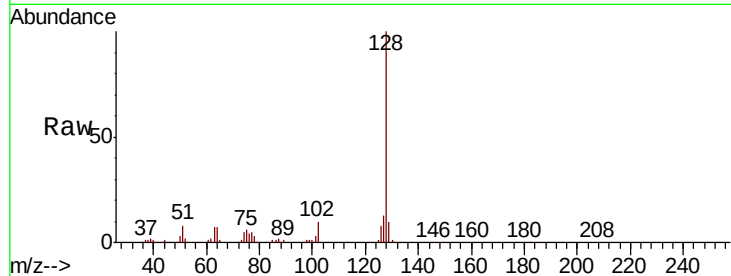
#79
Naphthalene
Concen: 1.213 ppbv
RT: 22.42 min Scan# 6060
Delta R.T. 0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	11.0	16.4
129	10.3	8.6	12.8

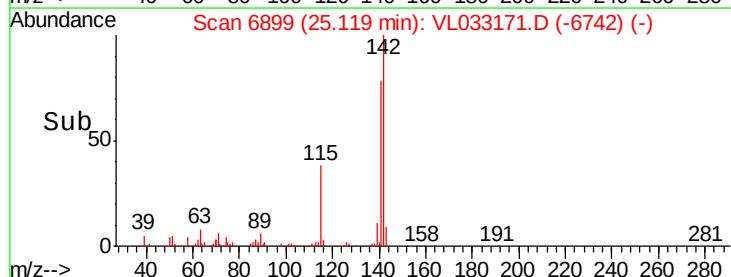
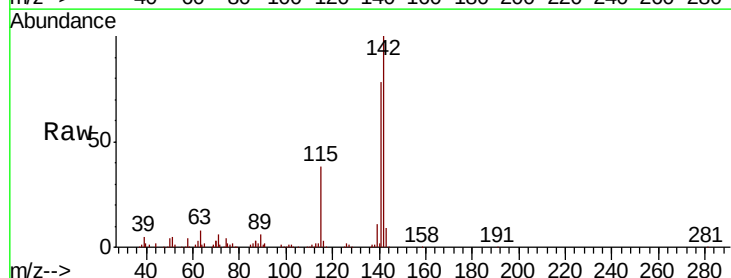
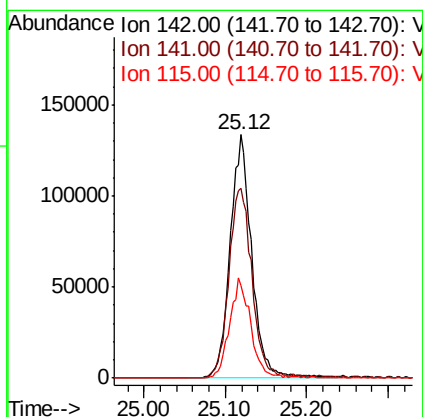
Manual Integrations
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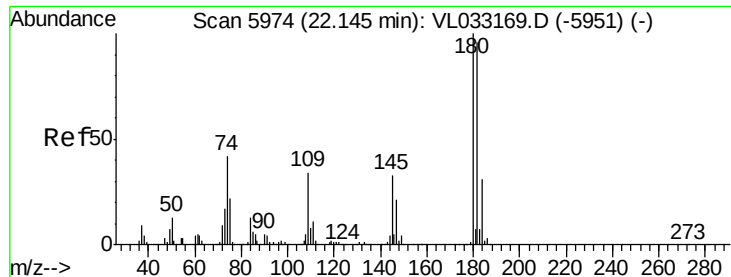
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#80
Naphthalene, 2-methyl-
Concen: 1.167 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. 0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.2	67.7	101.5
115	40.4	32.7	49.1





#81
 1,2,4-Trichlorobenzene
 Concen: 1.229 ppbv
 RT: 22.14 min Scan# 5972
 Delta R.T. -0.01 min
 Lab File: VL033171.D
 Acq: 6 Feb 2019 3:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	263343		
182	95.0	75.8	113.8	
184	30.1	24.3	36.5	

Manual Integrations
 APPROVED

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