

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030819\
 Data File : VL033258.D
 Acq On : 8 Mar 2019 14:04
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 10:10:11 AM

Quant Time: Mar 08 17:23:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030819AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 08 17:23:23 2019
 QLast Update : Fri Mar 08 16:12:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	966416	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2158596	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2499069	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1964279	10.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	198561	1.454	ppbv	100
3) Chlorodifluoromethane	3.02	51	115467	1.044	ppbv	99
4) Chloromethane	3.17	50	62007	1.089	ppbv	98
5) Vinyl Chloride	3.29	62	60151	0.942	ppbv	93
6) Bromomethane	3.52	94	36406	0.997	ppbv	93
7) Chloroethane	3.60	64	22419	1.051	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	152613	1.131	ppbv	98
9) Propene	3.04	41	49871	1.012	ppbv	98
10) Heptane	8.25	43	127845	0.953	ppbv	99
11) Trichlorofluoromethane	4.00	101	171047	1.067	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.55	101	112962	1.087	ppbv	98
13) Ethanol	3.66	45	17386m	1.180	ppbv	
14) Bromoethene	3.79	108	44094	1.007	ppbv	99
15) Acetone	3.91	43	129109	1.038	ppbv	99
16) 1,3-Butadiene	3.36	39	47491	0.956	ppbv	87
17) tert-Butyl alcohol	4.38	59	19916m	0.983	ppbv	
18) 1,1-Dichloroethene	4.35	96	47502	1.027	ppbv	90
19) Isopropyl Alcohol	4.04	45	77635m	1.050	ppbv	
20) Methylene Chloride	4.41	84	53276	1.130	ppbv	92
21) Allyl Chloride	4.48	41	72954	1.051	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	47402	1.004	ppbv	95
23) Vinyl Acetate	5.15	43	167223	0.912	ppbv	99
24) 1,1-Dichloroethane	5.09	63	125654	0.961	ppbv	98
25) Ethyl Acetate	5.77	43	231858	1.017	ppbv	99
26) Hexane	5.78	57	111906	1.050	ppbv	94
27) Carbon Disulfide	4.62	76	99701	0.970	ppbv	94
28) Methyl tert-Butyl Ether	5.12	73	137858	0.938	ppbv	97
29) Chloroform	5.85	83	159168	0.960	ppbv	94
30) Cyclohexane	7.24	84	76335	0.957	ppbv	97
31) cis-1,2-Dichloroethene	5.64	61	96409	0.937	ppbv #	94
32) 1,1,1-Trichloroethane	6.62	97	148315	0.922	ppbv	96
34) 2-Butanone	5.34	43	142371	0.952	ppbv	99
35) Carbon Tetrachloride	7.13	117	158987	0.974	ppbv	91
36) Benzene	7.00	78	194859	0.962	ppbv	95
37) 1,2-Dichloroethane	6.41	62	125346	0.994	ppbv	99
38) Trichloroethene	7.96	130	75674	0.989	ppbv	93
39) 1,2-Dichloropropane	7.73	63	75534	0.955	ppbv	97
40) 1,4-Dioxane	7.98	88	29592m	1.008	ppbv	
41) Tetrahydrofuran	6.17	42	76475	0.931	ppbv	98
42) Bromodichloromethane	7.91	83	163305	0.916	ppbv #	96
43) Methyl Methacrylate	8.14	69	75234	0.918	ppbv	98

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

44) 2,2,4-Trimethylpentane	7.99	57	354553	0.990	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	83924	0.846	ppbv	99
46) cis-1,3-Dichloropropene	8.83	75	101735	0.860	ppbv	95
47) 1,1,2-Trichloroethane	9.61	97	82808	0.973	ppbv #	82
48) Dibromochloromethane	10.44	129	127634	0.926	ppbv	100
49) Bromoform	13.20	173	113611m	1.032	ppbv	
50) 4-Methyl-2-Pentanone	8.88	43	207663	0.939	ppbv	96
51) 2-Hexanone	10.28	43	148617	0.898	ppbv #	99
52) Tetrachloroethene	11.37	164	82968	1.099	ppbv	93
53) Toluene	9.95	91	217553	0.929	ppbv	99
54) 1,2-Dibromoethane	10.75	107	141343	1.093	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.27	131	107928	0.995	ppbv #	1
57) Chlorobenzene	12.30	112	199816	1.027	ppbv	91
58) Ethyl Benzene	12.86	91	342445	0.991	ppbv	97
59) m/p-Xylene	13.12	91	595066m	2.020	ppbv	
60) o-Xylene	13.84	91	285219	1.016	ppbv	98
61) Styrene	13.68	104	186603	0.945	ppbv	98
62) Isopropylbenzene	14.82	105	398605	1.018	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.83	83	192699	0.964	ppbv	99
64) n-propylbenzene	15.71	120	94013m	0.969	ppbv	
65) tert-Butylbenzene	16.91	119	326029m	0.975	ppbv	
66) Benzyl Chloride	17.15	91	97024m	0.750	ppbv	
67) sec-Butylbenzene	17.45	105	466291	0.978	ppbv	99
69) p-Isopropyltoluene	17.81	119	372413	0.966	ppbv	98
70) n-Butylbenzene	18.71	91	402137	0.953	ppbv	99
71) 2-Chlorotoluene	15.61	91	295748	0.988	ppbv	99
72) 4-Ethyltoluene	15.99	105	304634m	0.993	ppbv	
73) 1,3,5-Trimethylbenzene	16.16	105	279845	0.950	ppbv	95
74) 1,2,4-Trimethylbenzene	16.92	105	305156	0.985	ppbv	95
75) 1,3-Dichlorobenzene	17.16	146	181532	1.002	ppbv	99
76) 1,4-Dichlorobenzene	17.30	146	172851	0.963	ppbv	99
77) 1,2-Dichlorobenzene	17.98	146	171770	0.977	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	135471	1.089	ppbv	98
79) Naphthalene	22.41	128	258805	0.683	ppbv	96
80) Naphthalene, 2-methyl-	25.11	142	19929	0.176	ppbv	94
81) 1,2,4-Trichlorobenzene	22.14	180	147565m	0.776	ppbv	

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

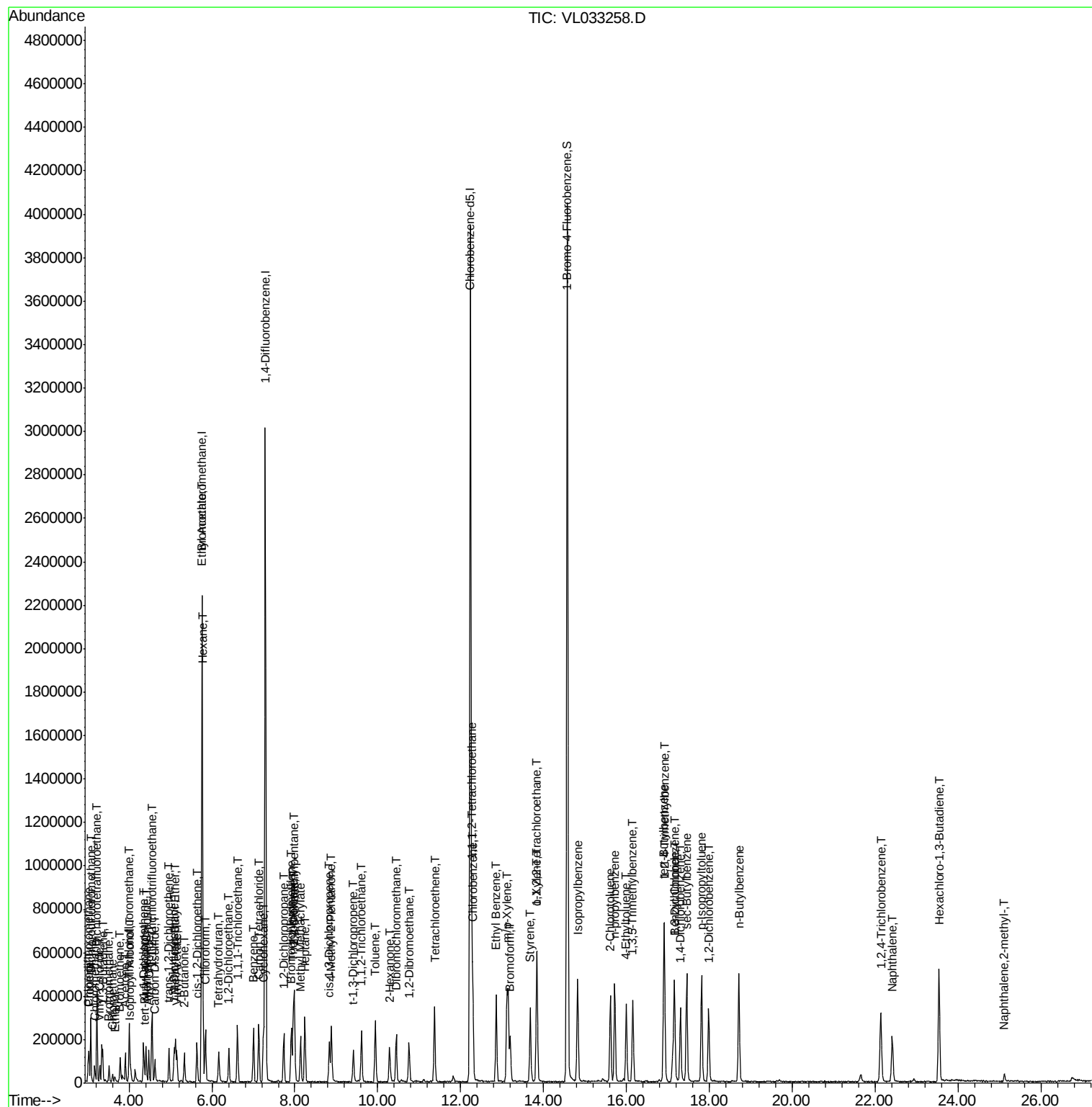
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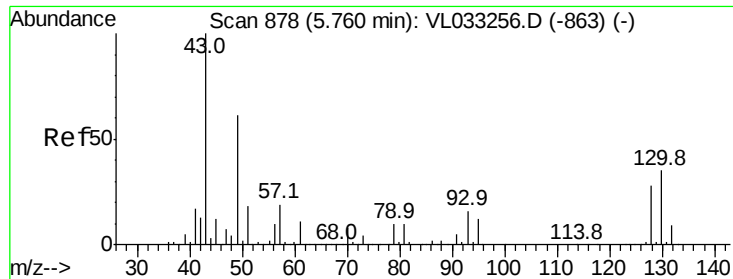
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

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QLast Update : Fri Mar 08 16:12:14 2019
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. 0.00 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Instrument :

MSVOA_L

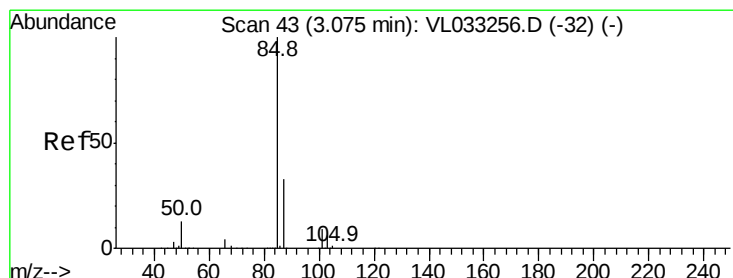
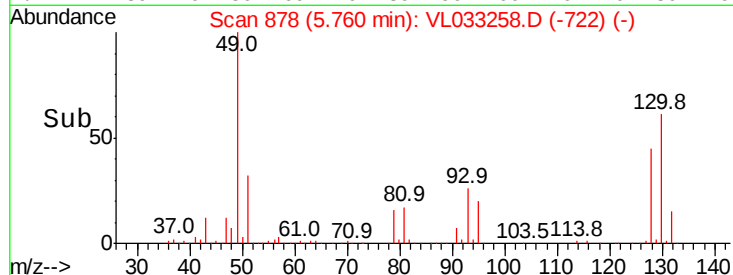
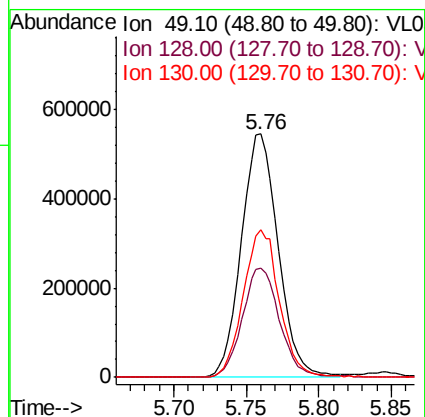
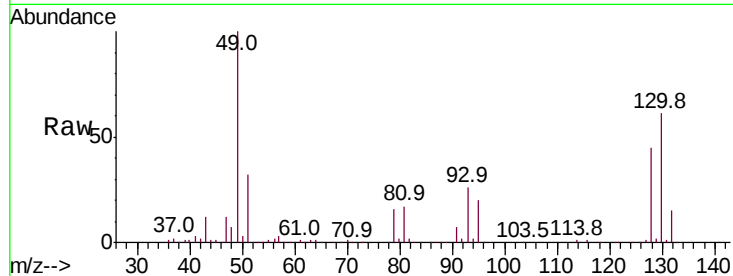
ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 966416
 Ion Ratio Lower Upper
 49 100
 128 45.8 22.5 67.5
 130 60.0 29.1 87.4

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 1.454 ppbv

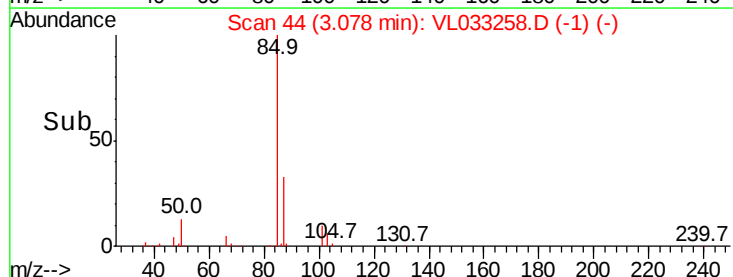
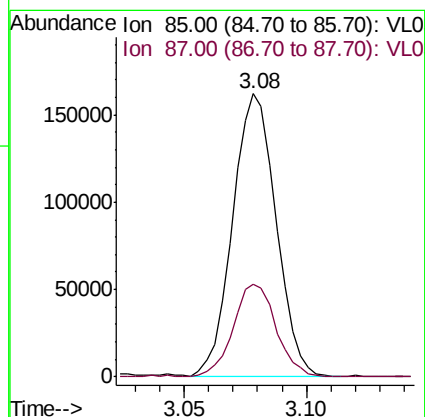
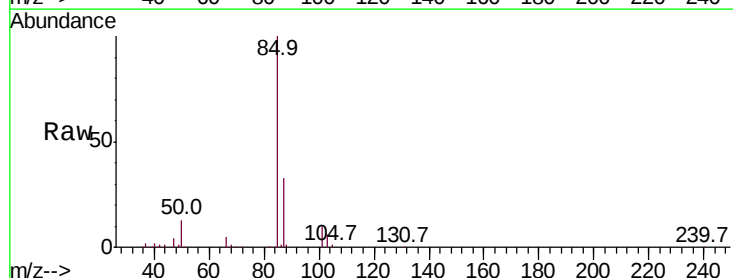
RT: 3.08 min Scan# 44

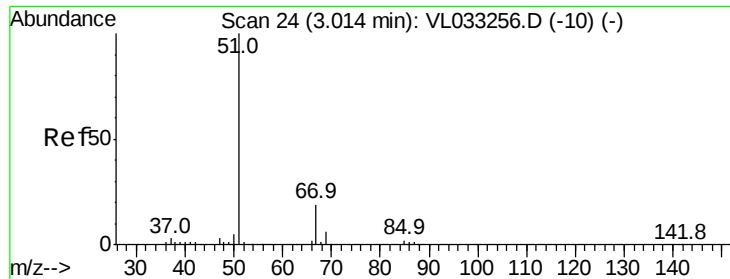
Delta R.T. 0.00 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Tgt Ion: 85 Resp: 198561
 Ion Ratio Lower Upper
 85 100
 87 32.8 26.2 39.4





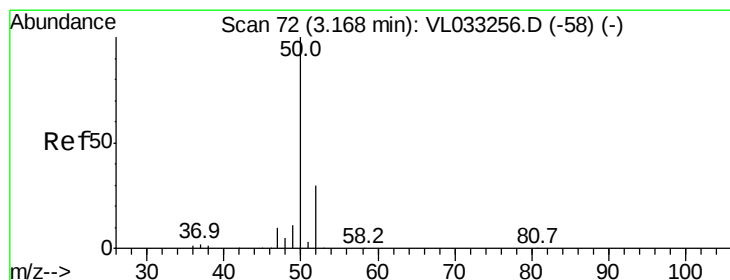
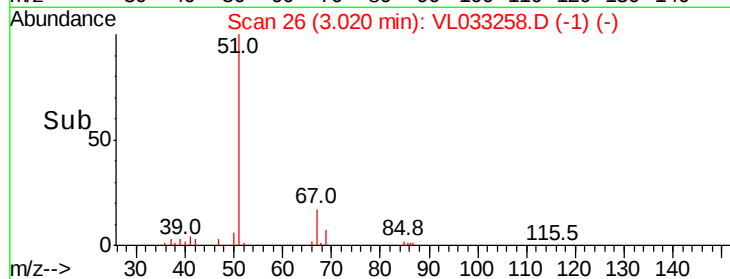
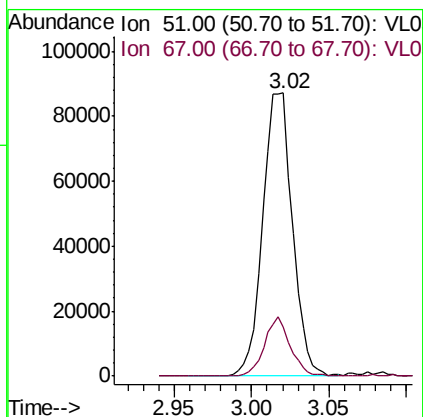
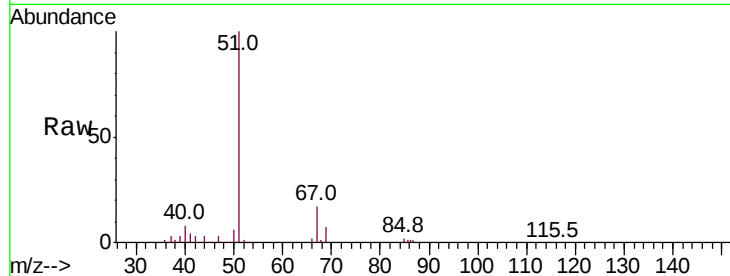
#3
Chlorodifluoromethane
Concen: 1.044 ppbv
RT: 3.02 min Scan# 26
Delta R.T. 0.01 min
Lab File: VL033258.D
Acq: 8 Mar 2019 14:04

Instrument :
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ClientSampleId :
VSTDIC001

Tot Ion	51	Resp	115467
Ion Ratio	100	Lower	Upper
67	18.3	15.0	22.6

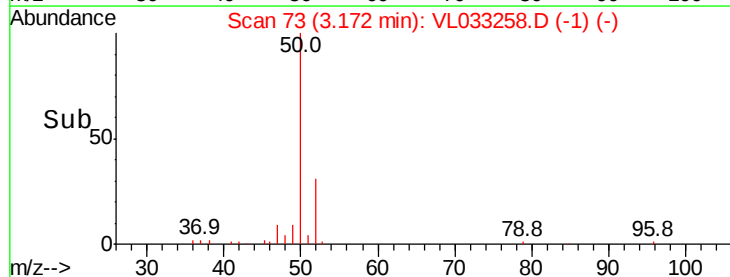
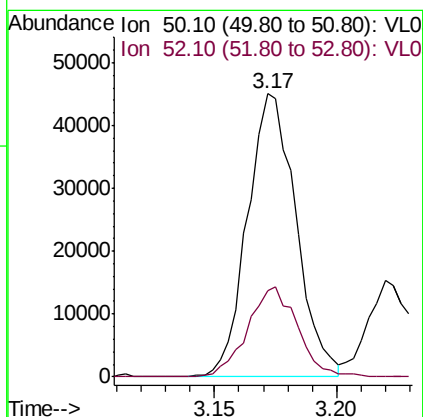
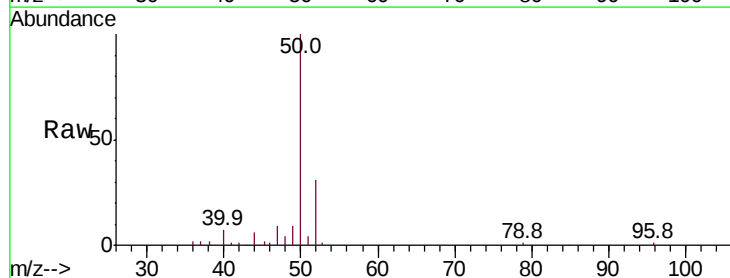
Manual Integrations
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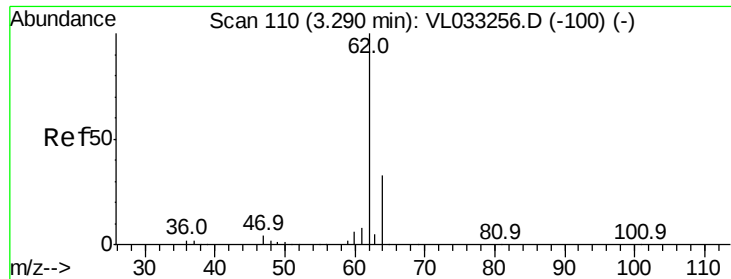
MMDadoda
3/11/2019 10:10:11 AM



#4
Chloromethane
Concen: 1.089 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033258.D
Acq: 8 Mar 2019 14:04

Tgt Ion	50	Resp	62007
Ion Ratio	100	Lower	Upper
52	31.1	24.2	36.2





#5

Vinyl Chloride

Concen: 0.942 ppbv

RT: 3.29 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 60151

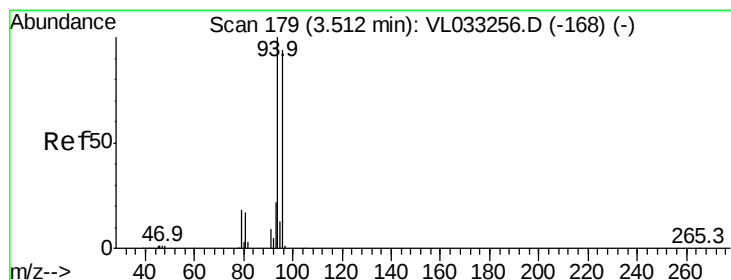
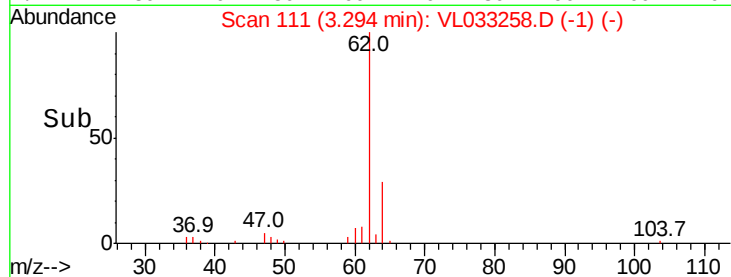
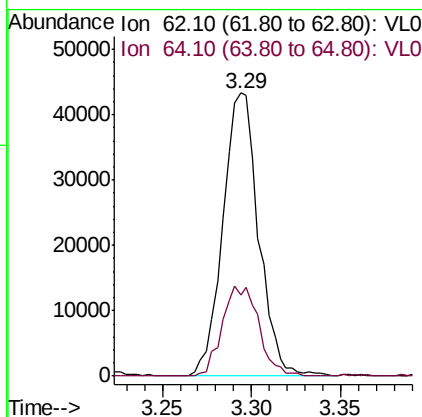
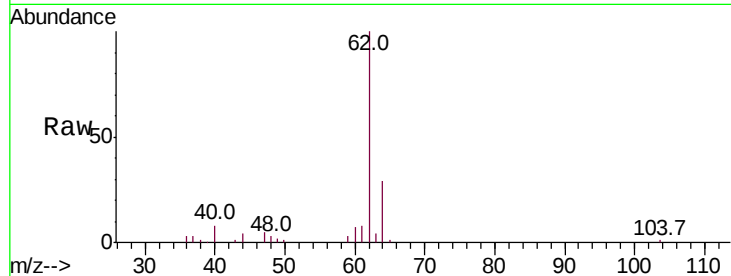
Ion Ratio Lower Upper

62 100

64 28.8 26.4 39.6

Manual Integrations
APPROVED

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3/11/2019 10:10:11 AM



#6

Bromomethane

Concen: 0.997 ppbv

RT: 3.52 min Scan# 181

Delta R.T. 0.01 min

Lab File: VL033258.D

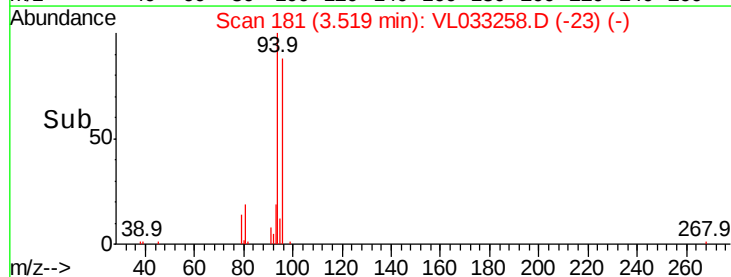
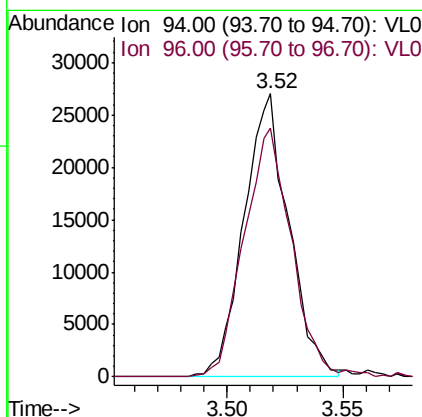
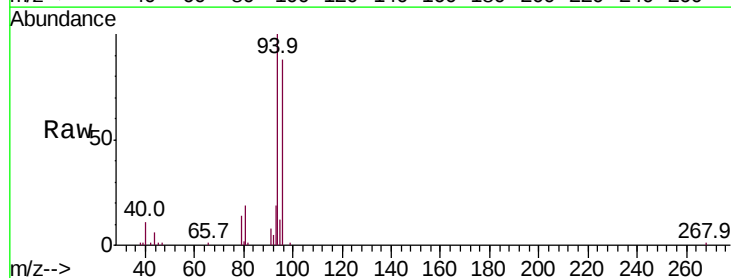
Acq: 8 Mar 2019 14:04

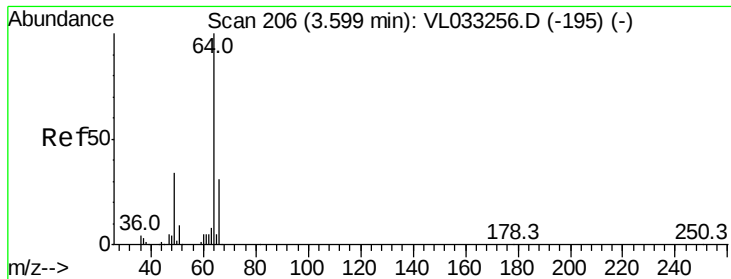
Tgt Ion: 94 Resp: 36406

Ion Ratio Lower Upper

94 100

96 87.8 75.3 112.9





#7

Chloroethane

Concen: 1.051 ppbv

RT: 3.60 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 22419

Ion Ratio Lower Upper

64 100

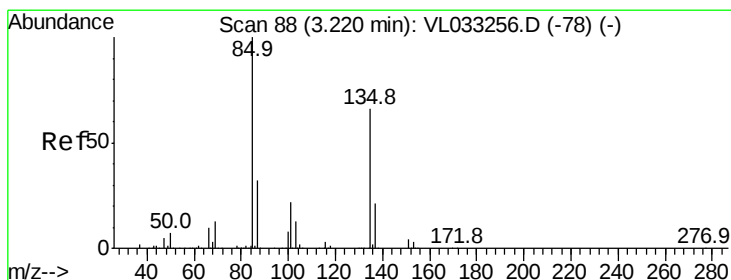
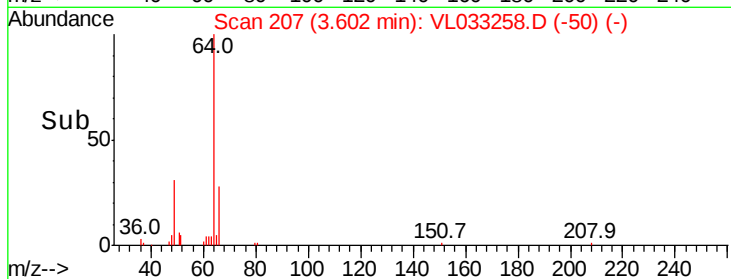
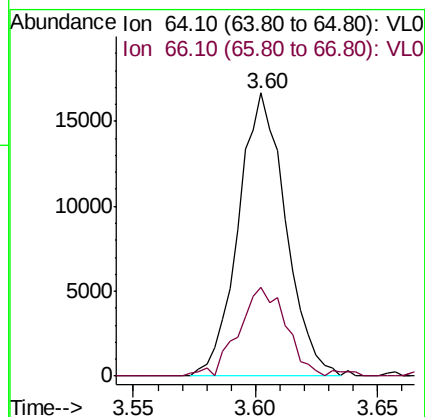
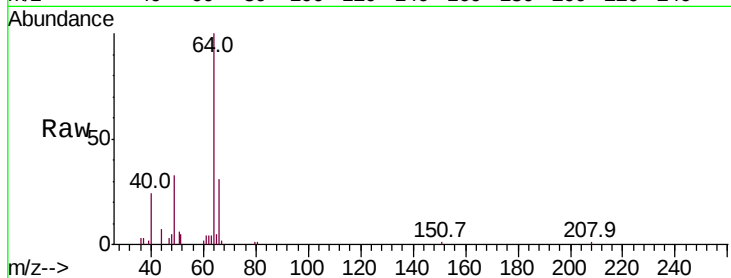
66 31.4 25.2 37.8

Manual Integrations

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3/11/2019 10:10:11 AM



#8

Dichlorotetrafluoroethane

Concen: 1.131 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL033258.D

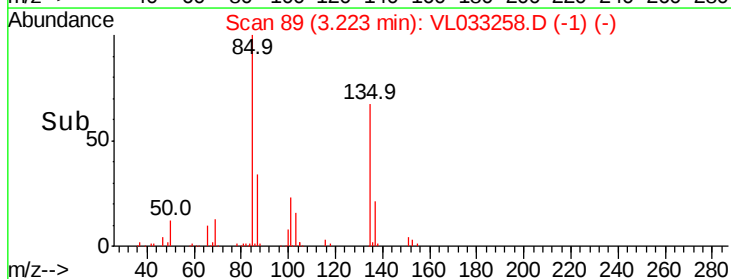
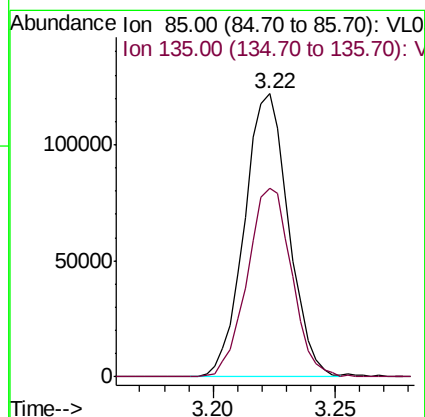
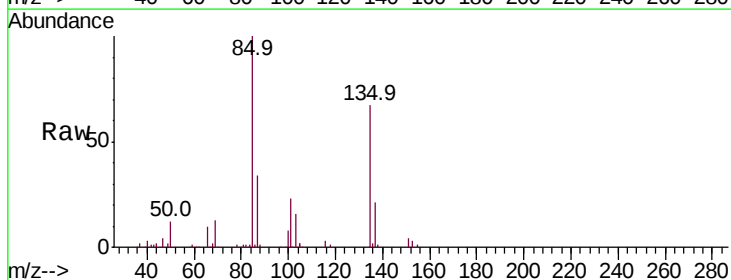
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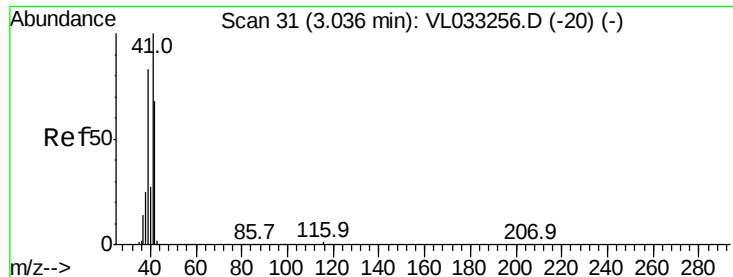
Tgt Ion: 85 Resp: 152613

Ion Ratio Lower Upper

85 100

135 67.2 52.3 78.5





#9

Propene

Concen: 1.012 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.00 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 49871

Ion Ratio Lower Upper

41 100

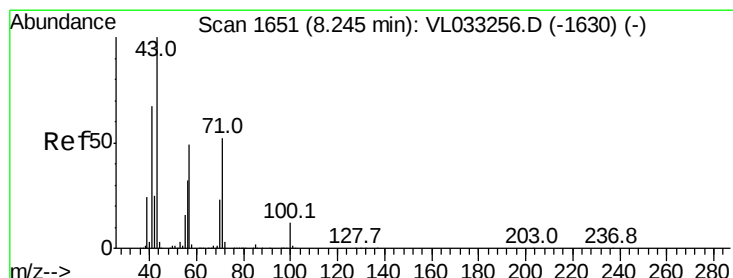
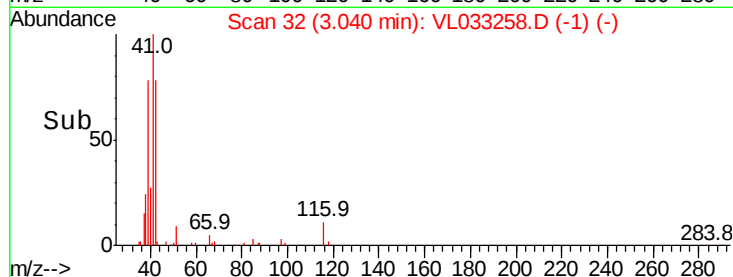
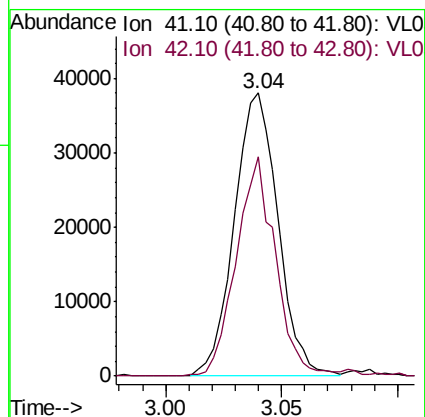
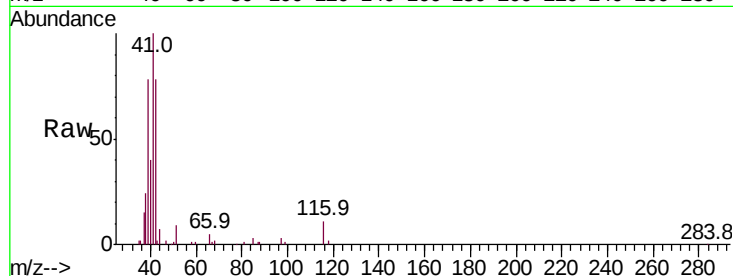
42 70.7 55.2 82.8

Manual Integrations

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#10

Heptane

Concen: 0.953 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. 0.00 min

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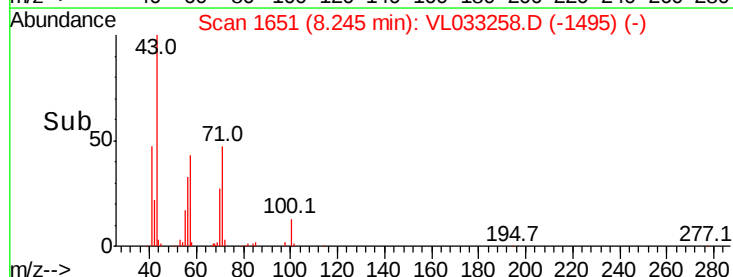
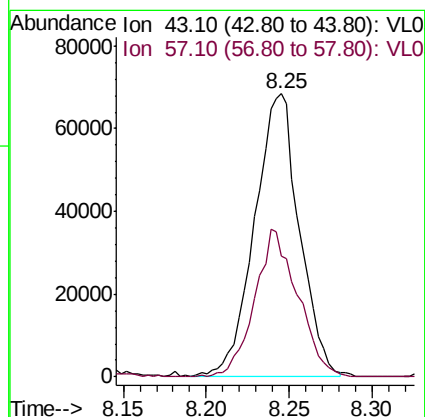
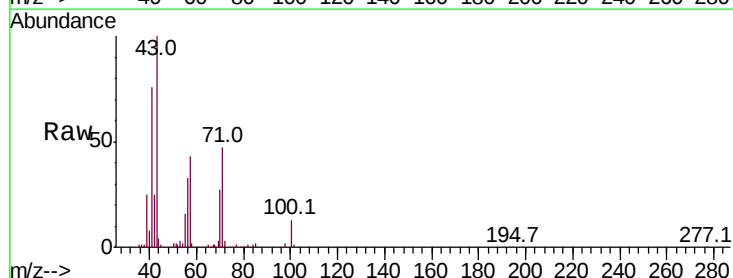
Acq: 8 Mar 2019 14:04

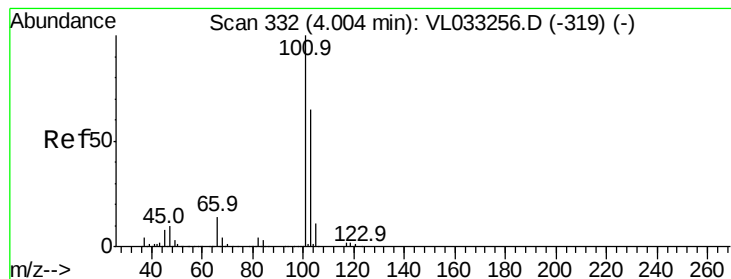
Tgt Ion: 43 Resp: 127845

Ion Ratio Lower Upper

43 100

57 50.6 40.0 60.0





#11

Trichlorofluoromethane

Concen: 1.067 ppbv

RT: 4.00 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:101 Resp: 171047

Ion Ratio Lower Upper

101 100

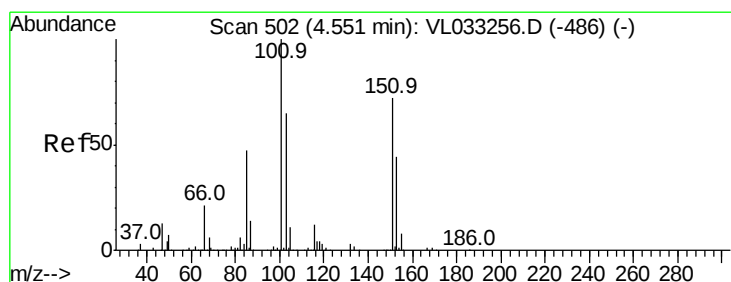
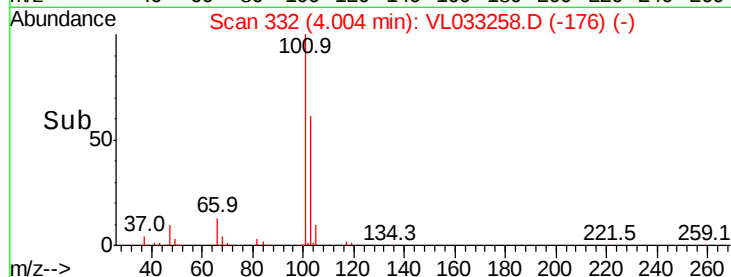
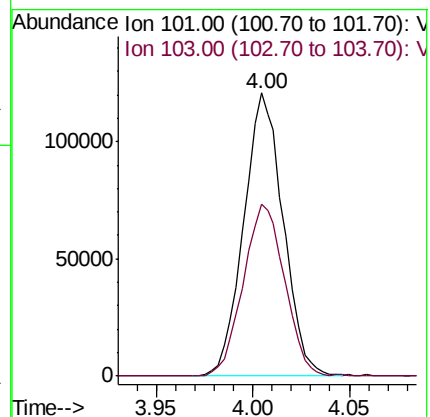
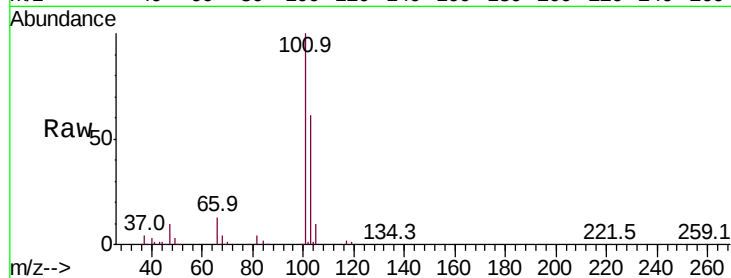
103 60.9 51.9 77.9

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.087 ppbv

RT: 4.55 min Scan# 502

Delta R.T. 0.00 min

Lab File: VL033258.D

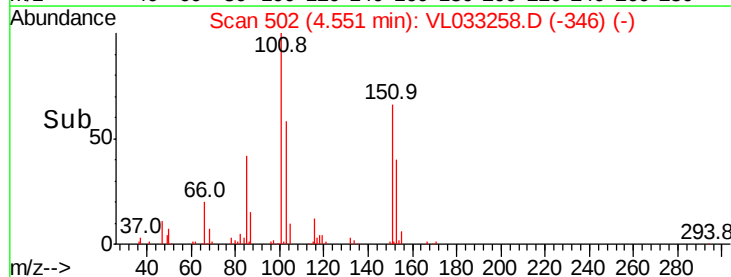
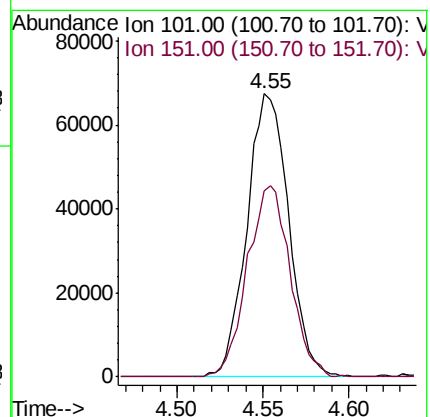
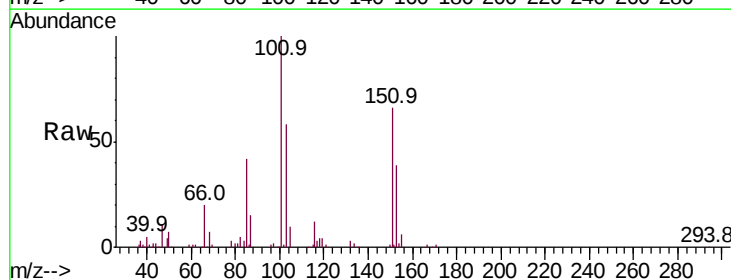
Acq: 8 Mar 2019 14:04

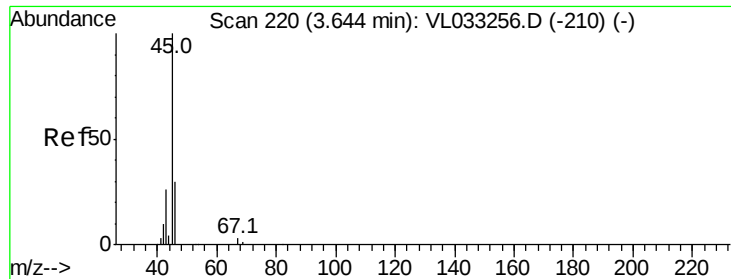
Tgt Ion:101 Resp: 112962

Ion Ratio Lower Upper

101 100

151 69.4 57.2 85.8





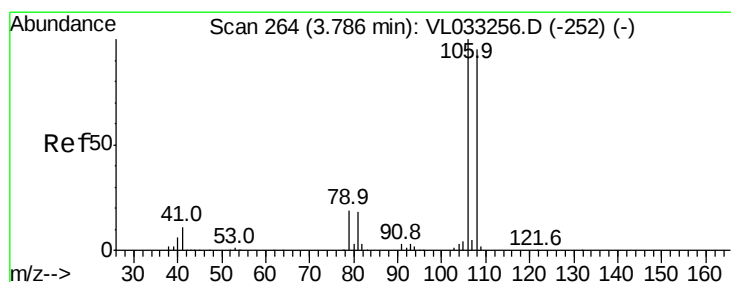
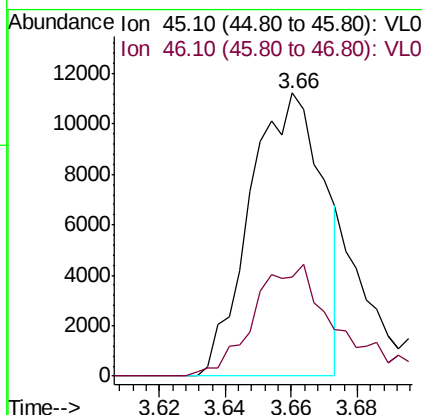
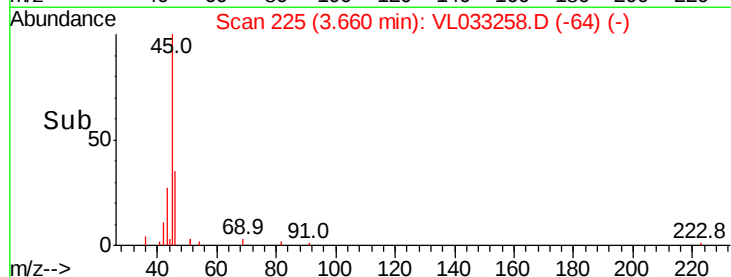
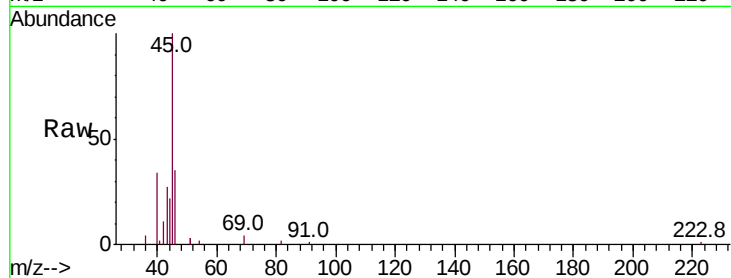
#13
Ethanol
Concen: 1.180 ppbv m
RT: 3.66 min Scan# 225
Delta R.T. 0.02 min
Lab File: VL033258.D
Acq: 8 Mar 2019 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 45 Resp: 17386
Ion Ratio Lower Upper
45 100
46 0.0 14.9 59.7#

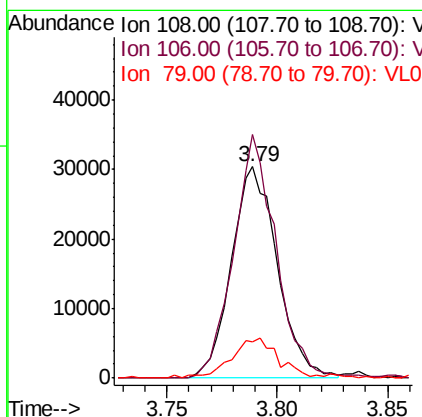
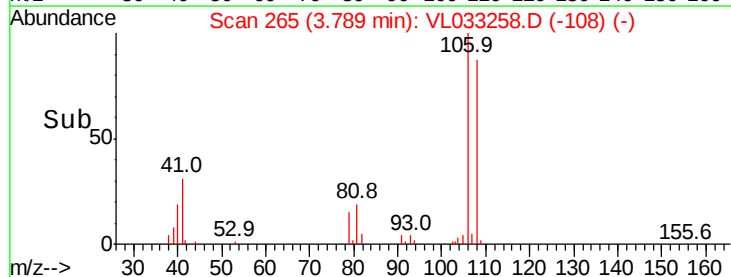
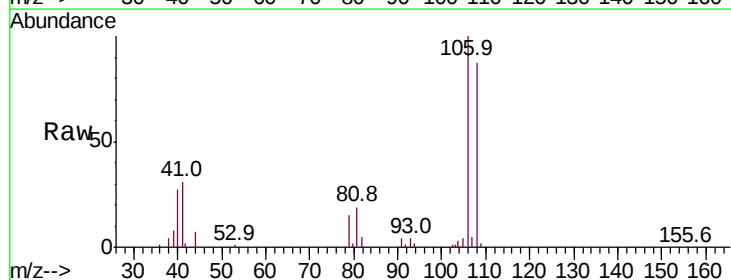
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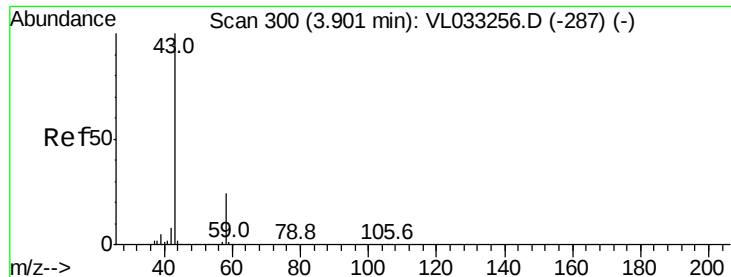
MMDadoda
3/11/2019 10:10:11 AM



#14
Bromoethene
Concen: 1.007 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033258.D
Acq: 8 Mar 2019 14:04

Tgt Ion: 108 Resp: 44094
Ion Ratio Lower Upper
108 100
106 107.1 86.9 130.3
79 20.2 15.8 23.6





#15

Acetone

Concen: 1.038 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.01 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 129109

Ion Ratio Lower Upper

43 100

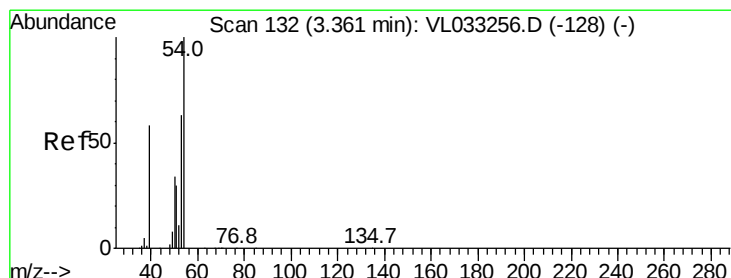
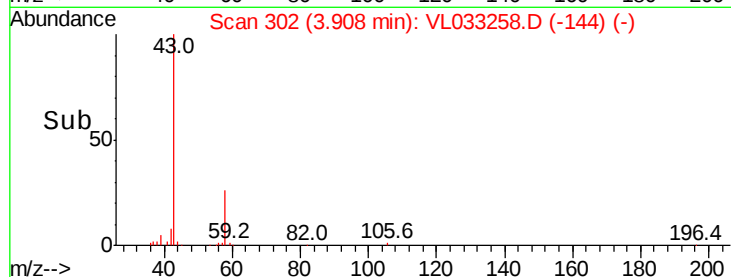
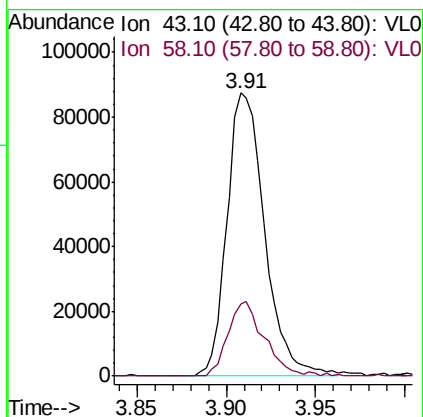
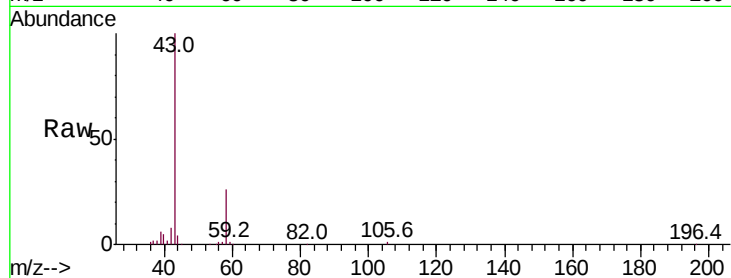
58 25.5 20.2 30.2

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#16

1,3-Butadiene

Concen: 0.956 ppbv

RT: 3.36 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL033258.D

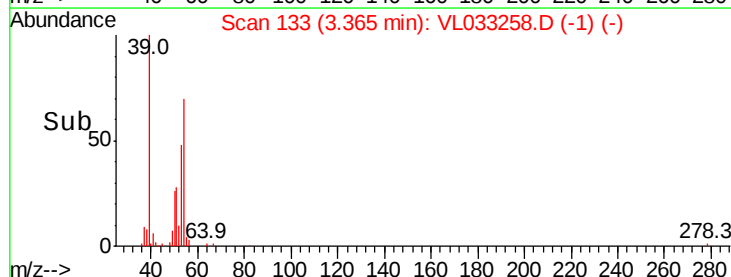
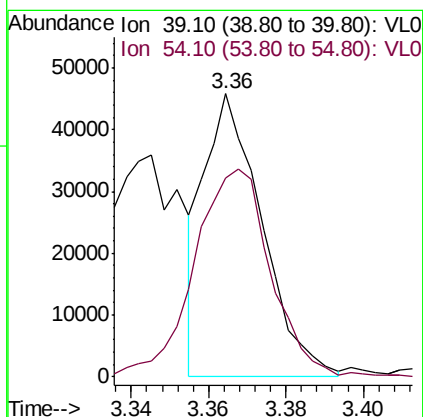
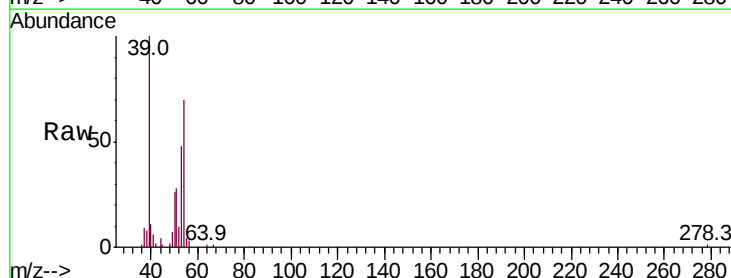
Acq: 8 Mar 2019 14:04

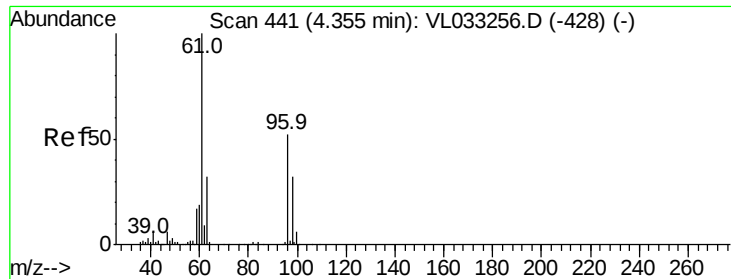
Tgt Ion: 39 Resp: 47491

Ion Ratio Lower Upper

39 100

54 98.1 68.6 103.0





#17

tert-Butyl alcohol

Concen: 0.983 ppbv

RT: 4.38 min Scan# 449

Delta R.T. 0.03 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 59 Resp: 19916

Ion Ratio Lower Upper

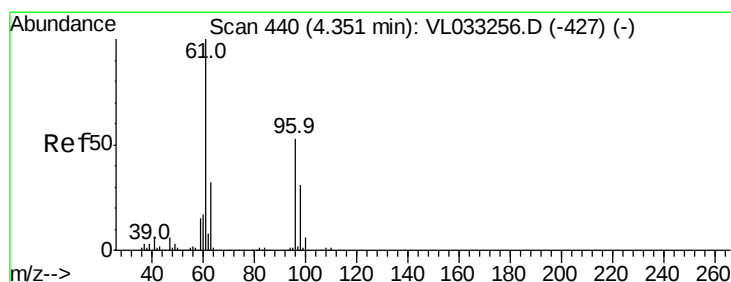
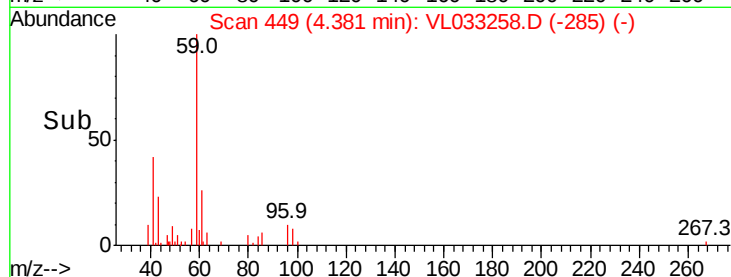
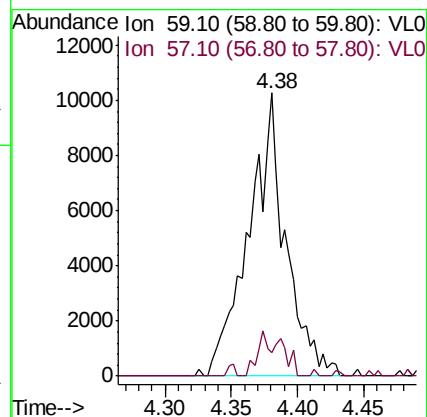
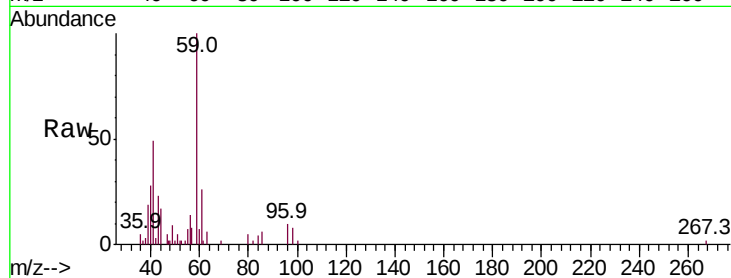
59 100

57 11.3 7.2 10.8#

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#18

1,1-Dichloroethene

Concen: 1.027 ppbv

RT: 4.35 min Scan# 440

Delta R.T. 0.00 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

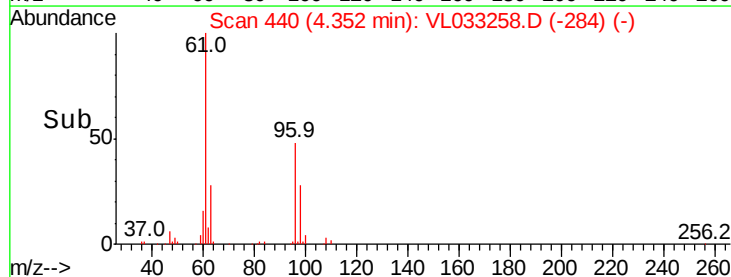
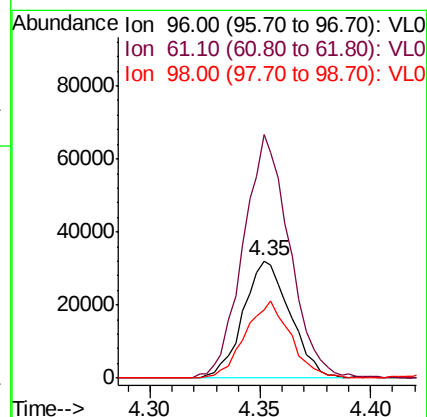
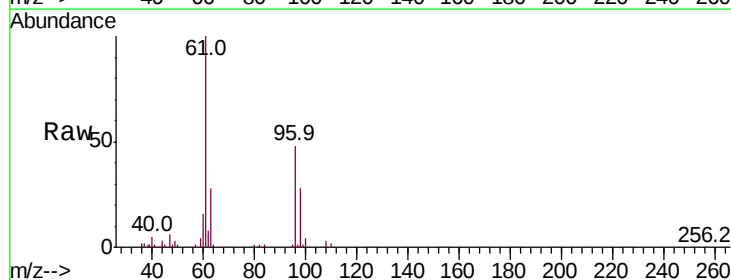
Tgt Ion: 96 Resp: 47502

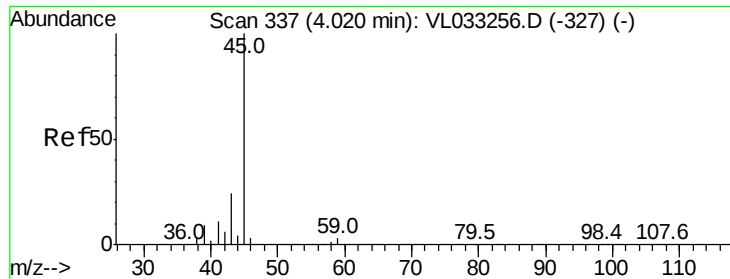
Ion Ratio Lower Upper

96 100

61 207.0 150.6 226.0

98 58.6 47.0 70.4





#19

Isopropyl Alcohol

Concen: 1.050 ppbv m

RT: 4.04 min Scan# 343

Delta R.T. 0.02 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 77635

Ion Ratio Lower Upper

45 100

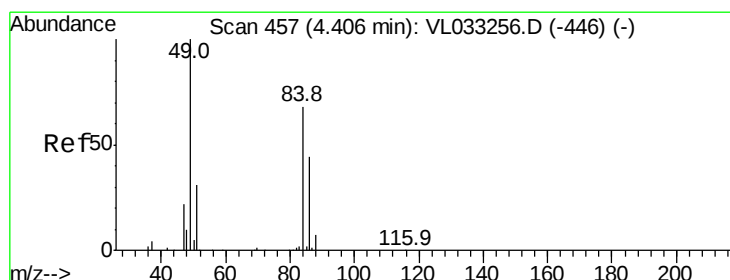
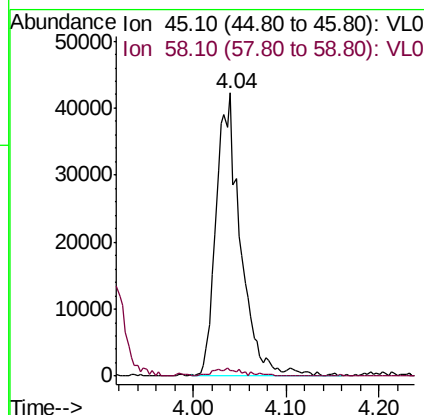
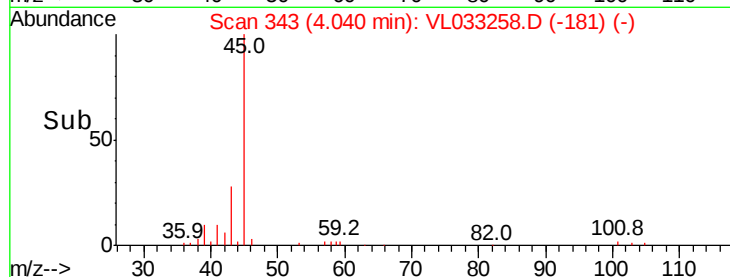
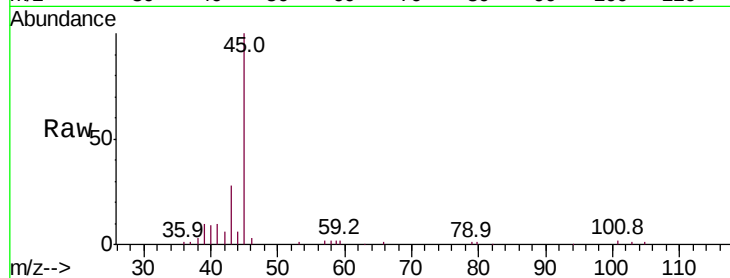
58 3.6 1.5 2.3#

Manual Integrations

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3/11/2019 10:10:11 AM



#20

Methylene Chloride

Concen: 1.130 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Tgt Ion: 84 Resp: 53276

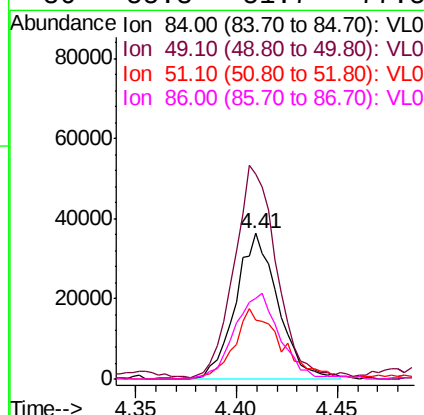
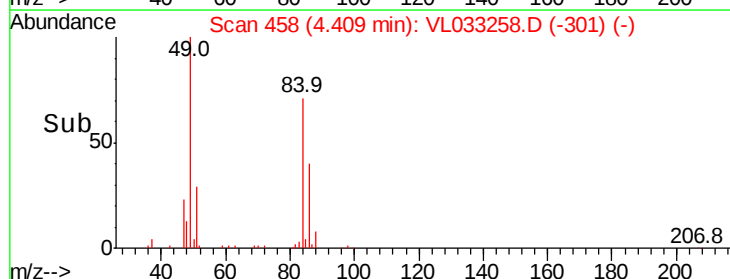
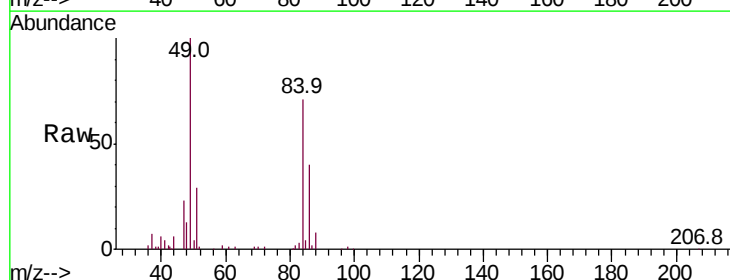
Ion Ratio Lower Upper

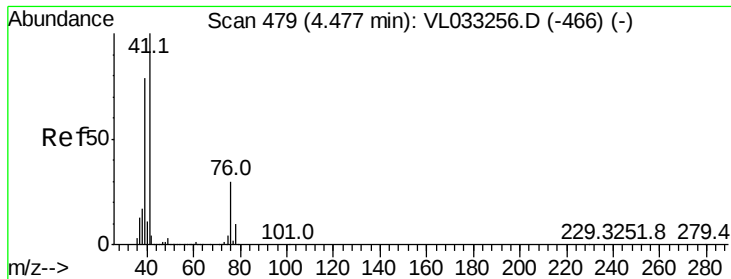
84 100

49 139.4 117.8 176.6

51 39.9 36.9 55.3

86 55.3 51.7 77.5





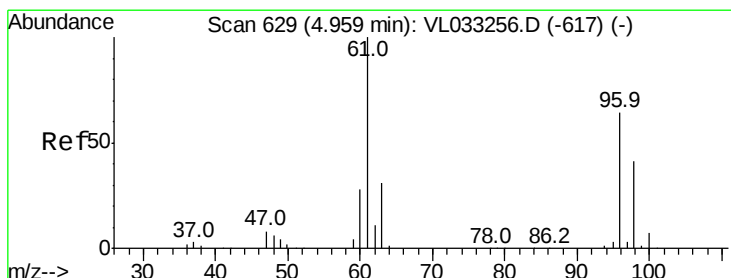
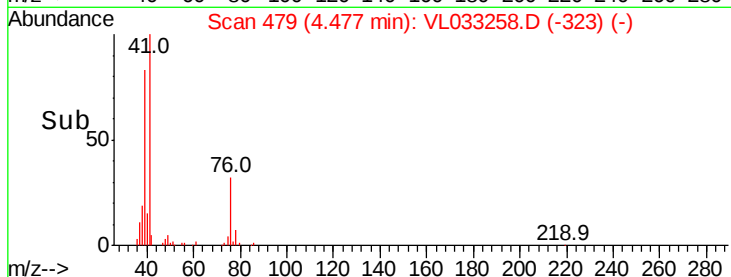
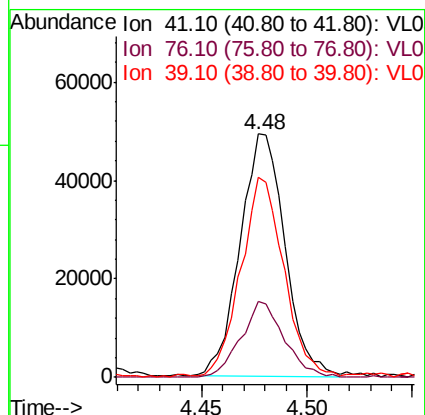
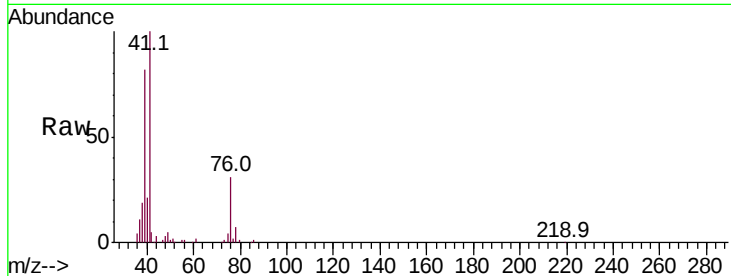
#21
Allvl Chloride
Concen: 1.051 ppbv
RT: 4.48 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL033258.D
Acq: 8 Mar 2019 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.0	24.5	36.7
39	80.4	65.3	97.9

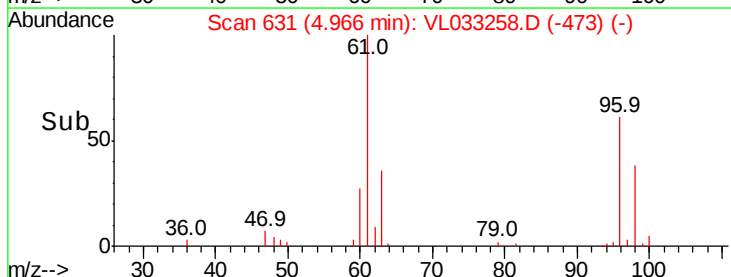
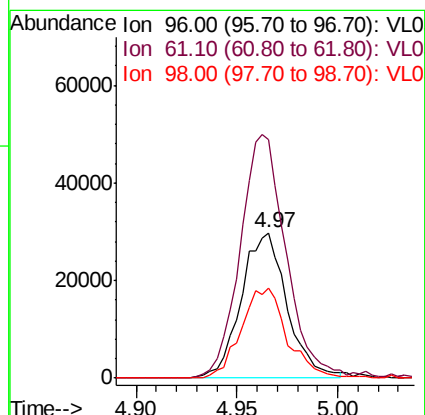
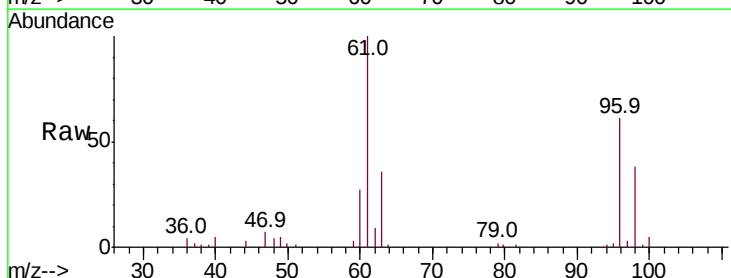
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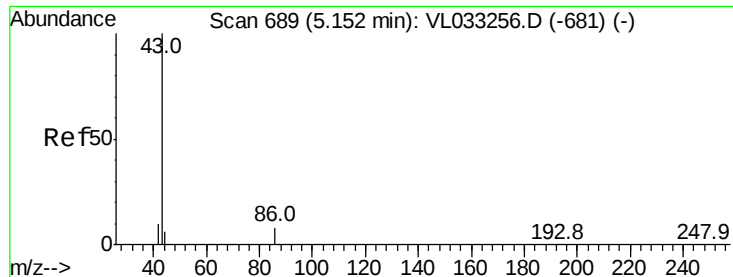
MMDadoda
3/11/2019 10:10:11 AM



#22
trans-1,2-Dichloroethene
Concen: 1.004 ppbv
RT: 4.97 min Scan# 631
Delta R.T. 0.01 min
Lab File: VL033258.D
Acq: 8 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.8	125.7	188.5
98	61.6	52.1	78.1





#23

Vinyl Acetate

Concen: 0.912 ppbv

RT: 5.15 min Scan# 689

Delta R.T. 0.00 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Instrument :

MSVOA_L

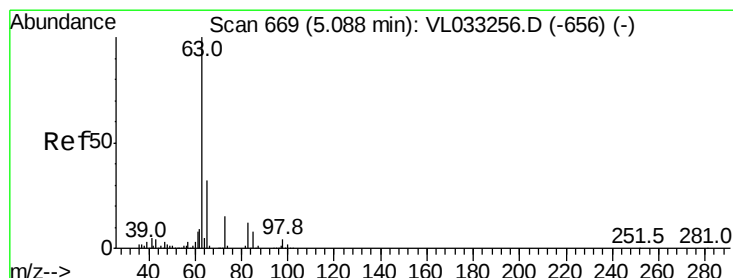
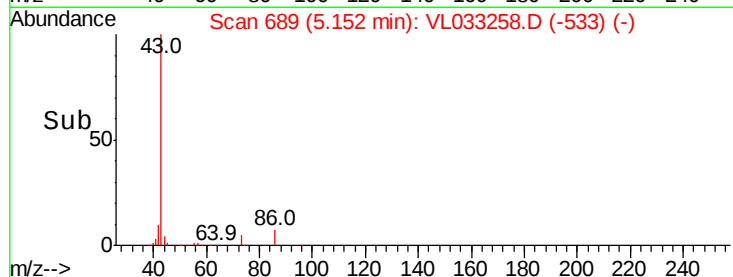
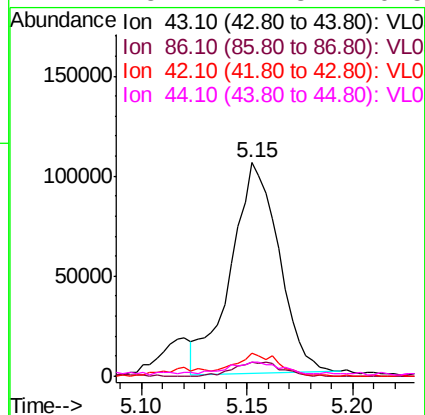
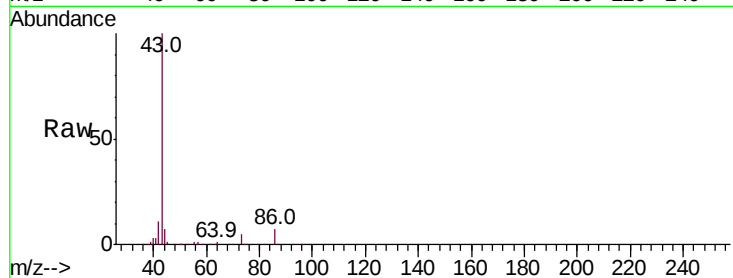
ClientSampleId :

VSTDIC001

Tot Ion	43	Resp	167223
Ion Ratio	Lower	Upper	
43	100		
86	6.7	5.6	8.4
42	10.7	8.1	12.1
44	5.2	4.3	6.5

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MMDadoda
3/11/2019 10:10:11 AM



#24

1,1-Dichloroethane

Concen: 0.961 ppbv

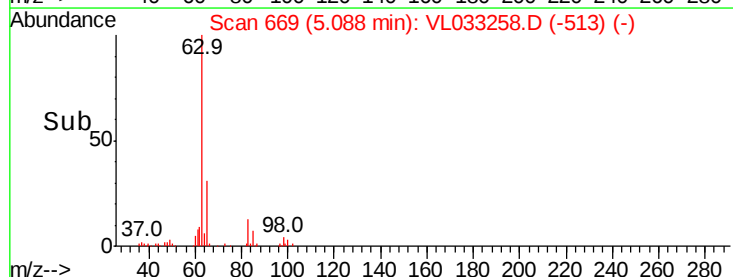
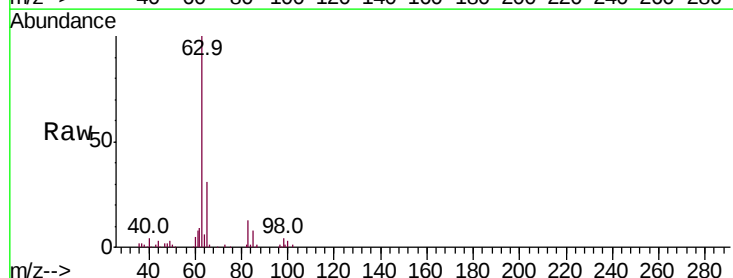
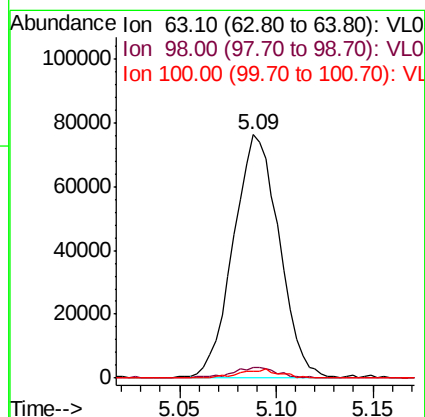
RT: 5.09 min Scan# 669

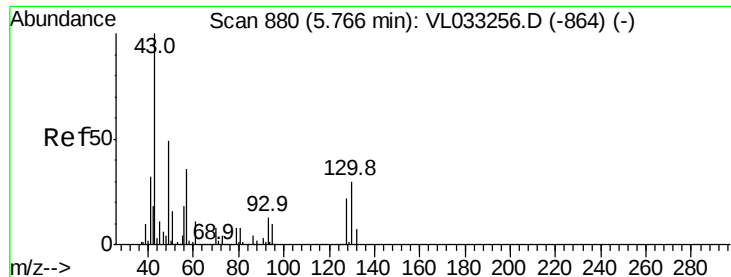
Delta R.T. 0.00 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Tgt Ion	63	Resp	125654
Ion Ratio	Lower	Upper	
63	100		
98	5.0	2.1	6.2
100	3.0	1.3	3.8





#25

Ethyl Acetate

Concen: 1.017 ppbv

RT: 5.77 min Scan# 882

Delta R.T. 0.01 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	9.4	7.8	11.8		
61	9.3	7.4	11.0		
70	6.5	5.4	8.2		

Instrument :

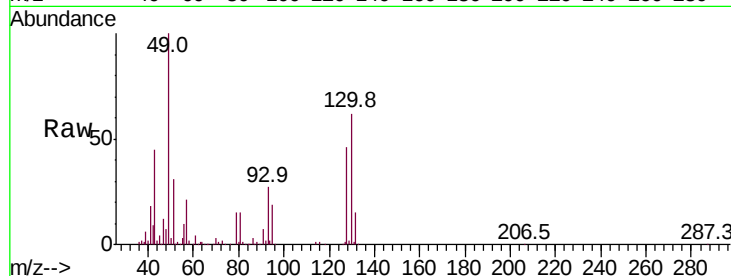
MSVOA_L

ClientSampleId :

VSTDIC001

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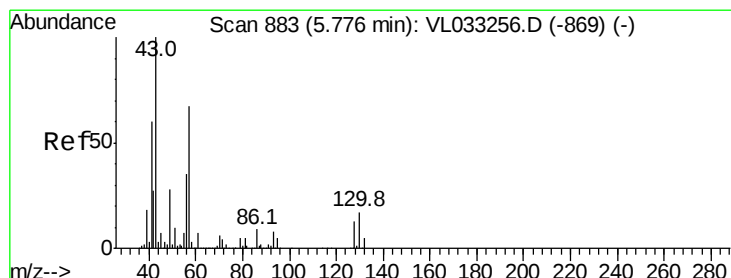
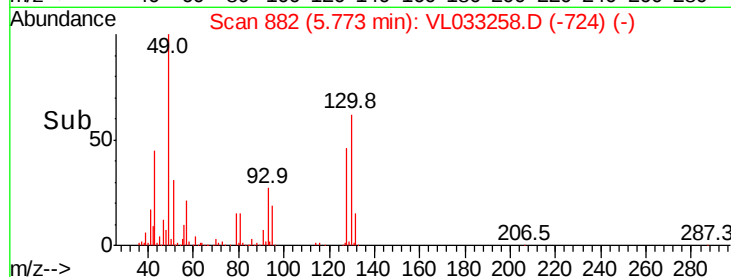
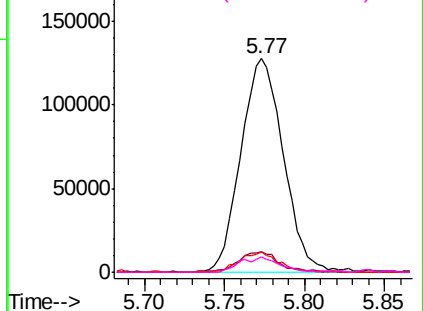
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 1.050 ppbv

RT: 5.78 min Scan# 884

Delta R.T. 0.00 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	92.1	72.2	108.4		
43	210.5	179.0	268.4		
56	54.8	41.8	62.8		

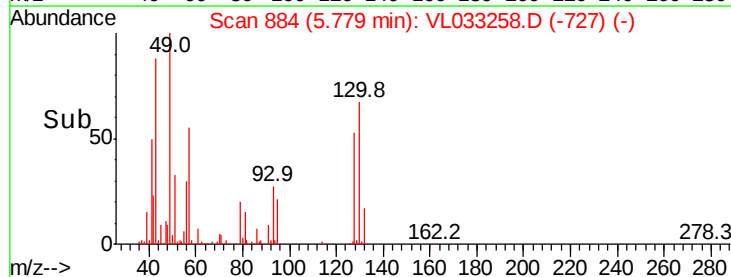
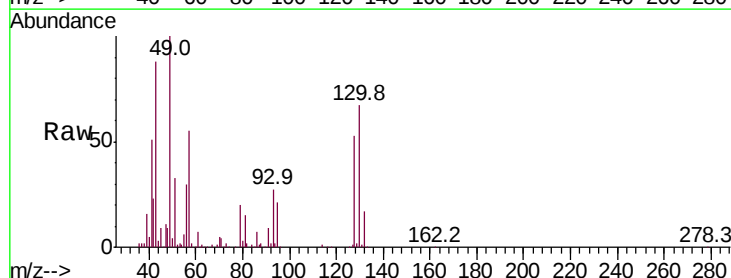
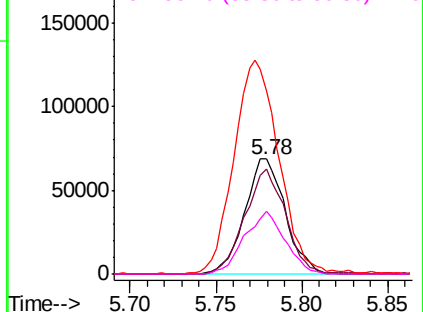
Abundance

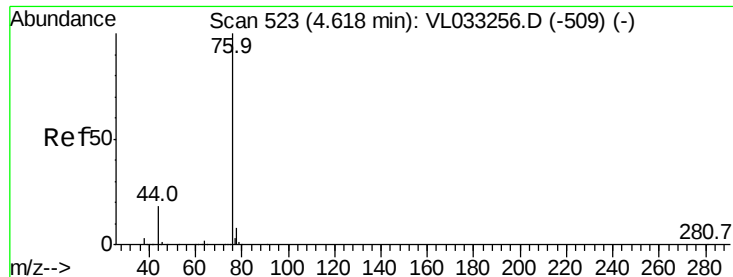
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.970 ppbv

RT: 4.62 min Scan# 524

Delta R.T. 0.00 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Instrument :

MSVOA_L

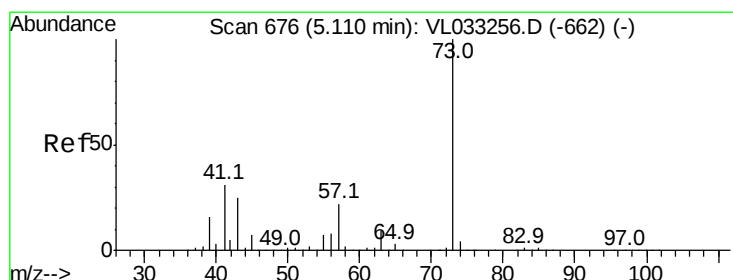
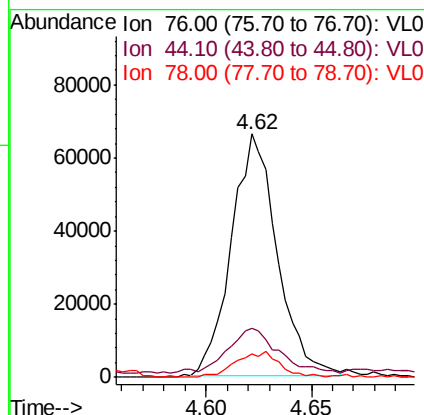
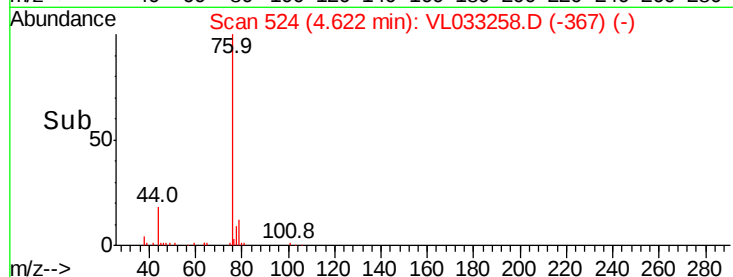
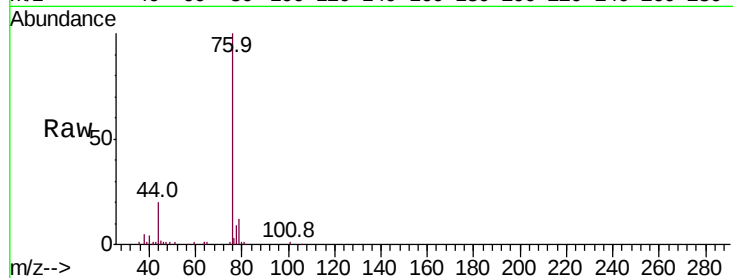
ClientSampleId :

VSTDIC001

Tot Ion:	76	Resp:	99701
Ion	Ratio	Lower	Upper
76	100		
44	21.9	14.8	22.2
78	10.3	7.2	10.8

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#28

Methyl tert-Butyl Ether

Concen: 0.938 ppbv

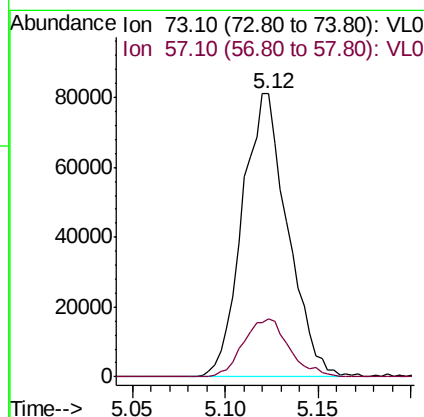
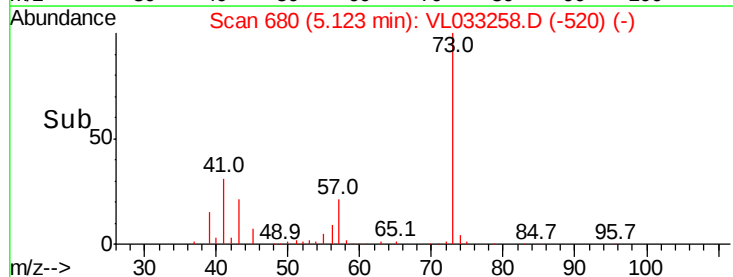
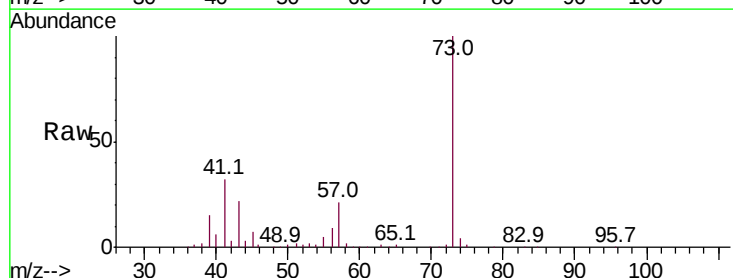
RT: 5.12 min Scan# 680

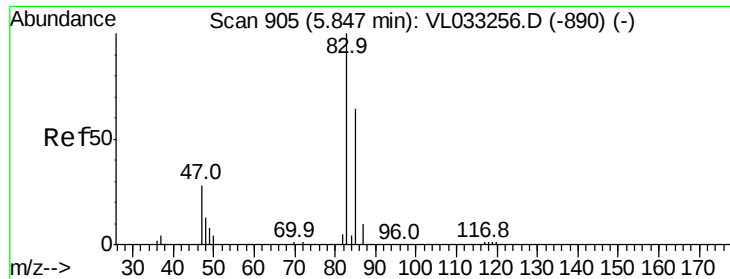
Delta R.T. 0.01 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Tgt Ion:	73	Resp:	137858
Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.7	26.5





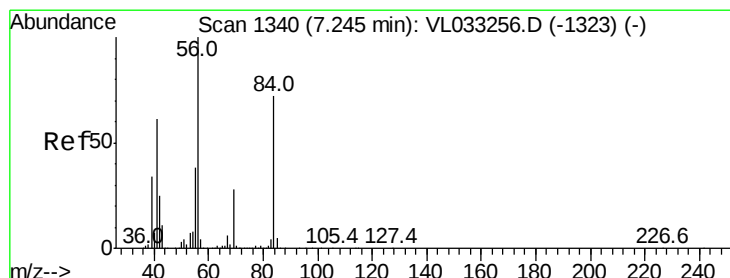
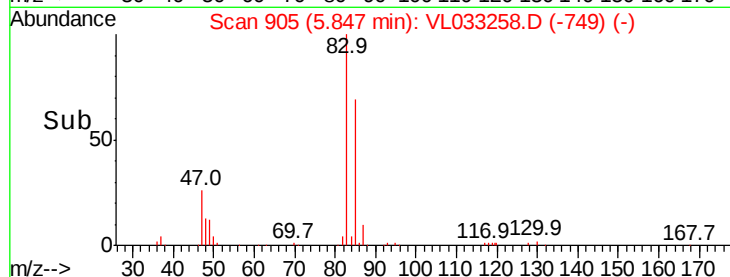
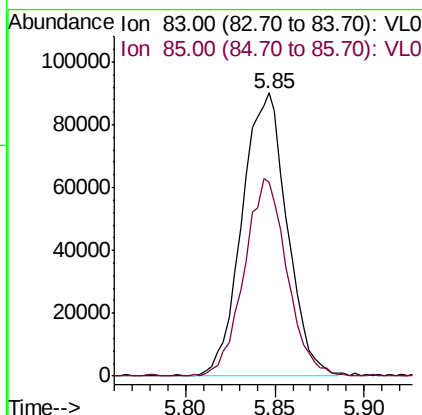
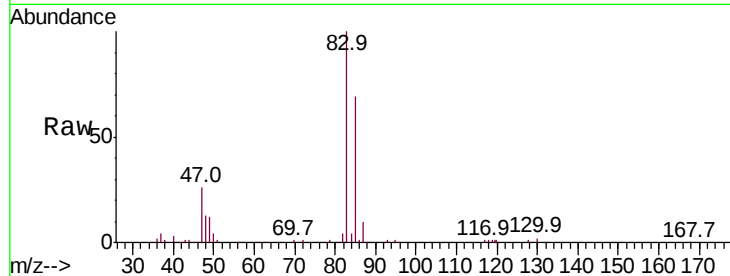
#29
Chloroform
Concen: 0.960 ppbv
RT: 5.85 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL033258.D
Acq: 8 Mar 2019 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 83 Resp: 159168
Ion Ratio Lower Upper
83 100
85 68.5 51.0 76.6

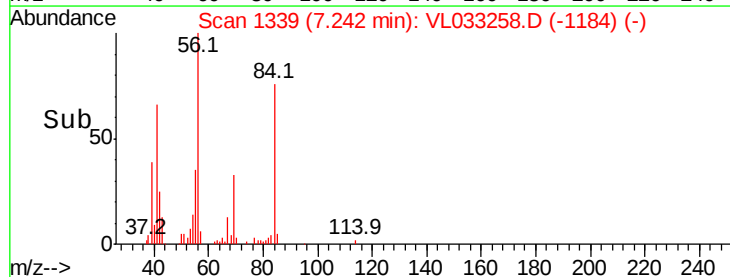
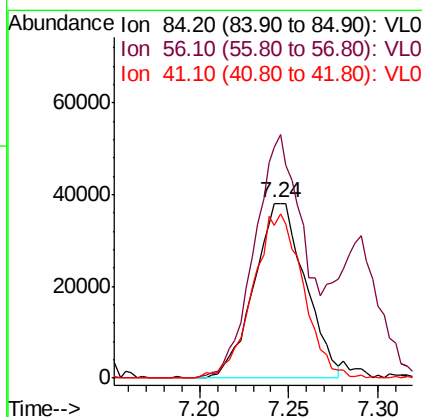
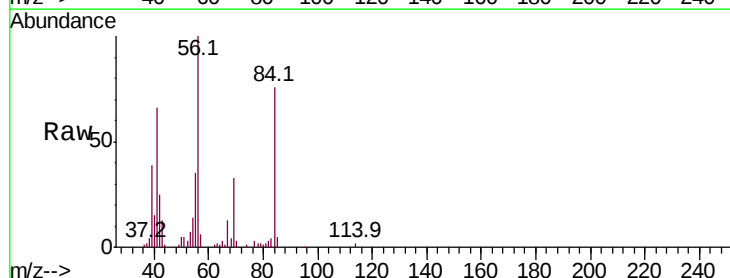
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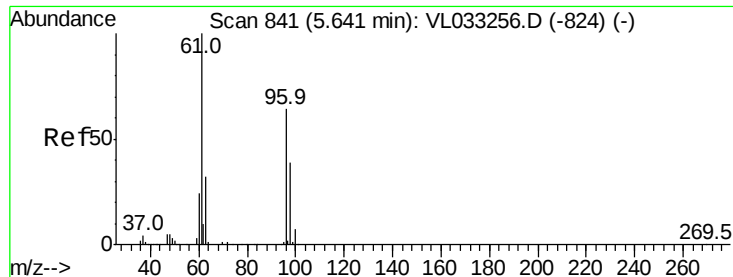
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#30
Cyclohexane
Concen: 0.957 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033258.D
Acq: 8 Mar 2019 14:04

Tgt Ion: 84 Resp: 76335
Ion Ratio Lower Upper
84 100
56 143.3 113.4 170.2
41 92.5 70.2 105.4





#31

cis-1,2-Dichloroethene

Concen: 0.937 ppbv

RT: 5.64 min Scan# 840

Delta R.T. -0.00 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Instrument :

MSVOA_L

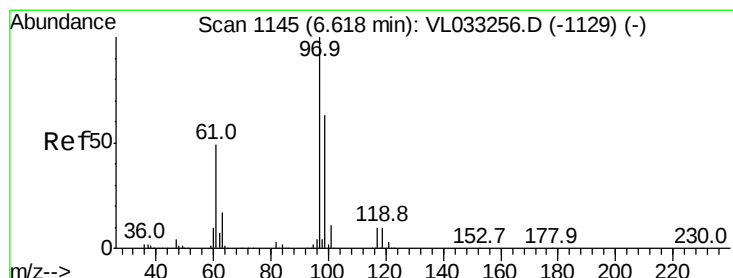
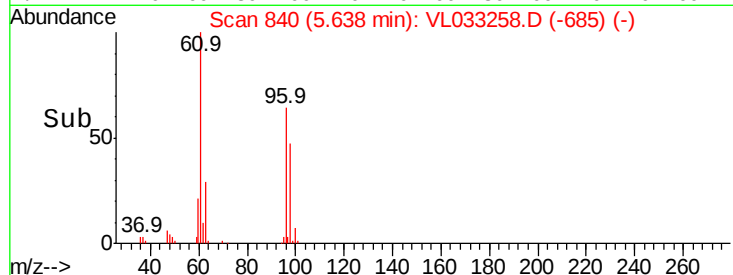
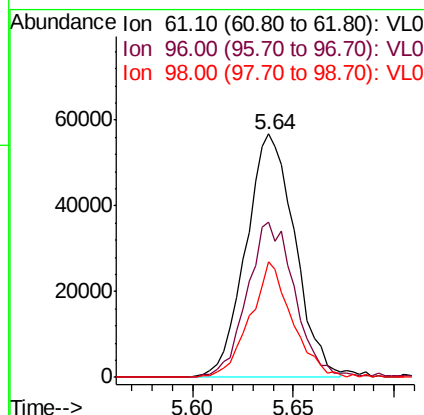
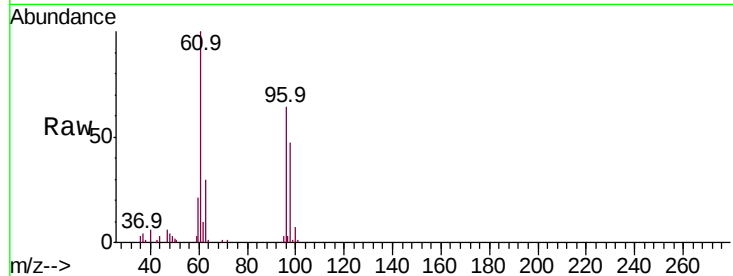
ClientSampleId :

VSTDIC001

Tot Ion:	61	Resp:	96409
Ion Ratio	Lower	Upper	
61	100		
96	63.9	51.2	76.8
98	47.4	30.8	46.2#

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#32

1,1,1-Trichloroethane

Concen: 0.922 ppbv

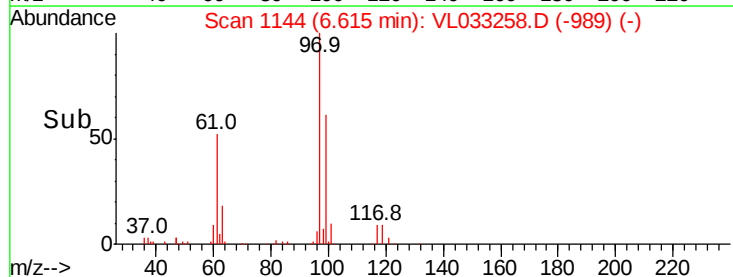
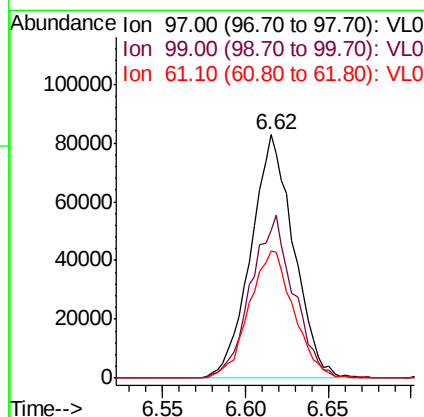
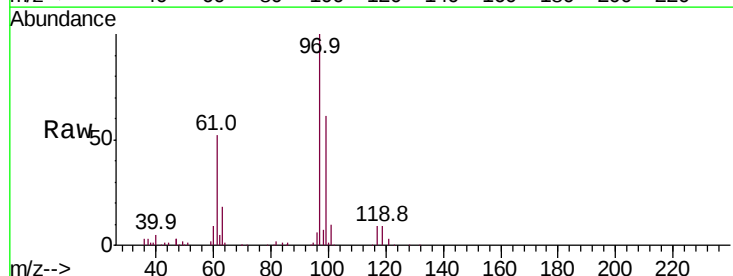
RT: 6.62 min Scan# 1144

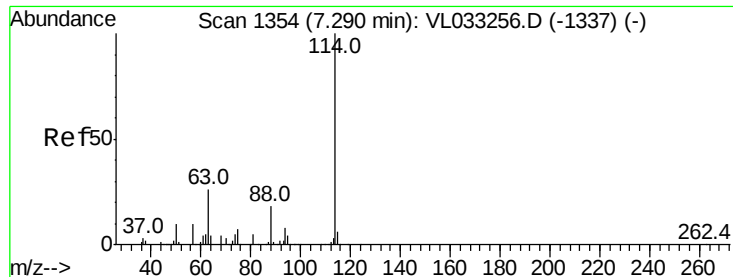
Delta R.T. -0.00 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Tgt Ion:	97	Resp:	148315
Ion Ratio	Lower	Upper	
97	100		
99	67.0	51.6	77.4
61	54.6	40.8	61.2





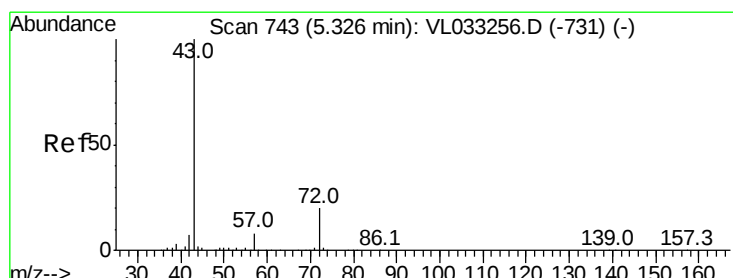
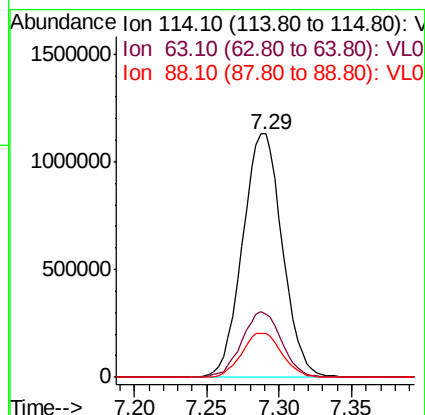
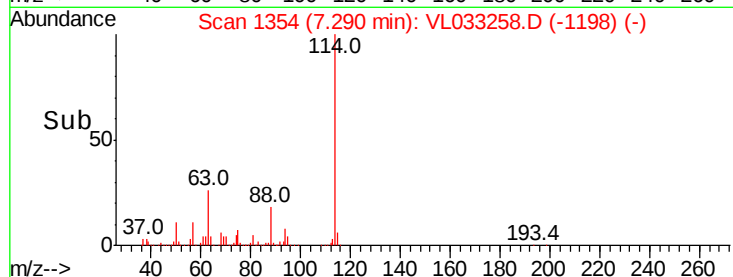
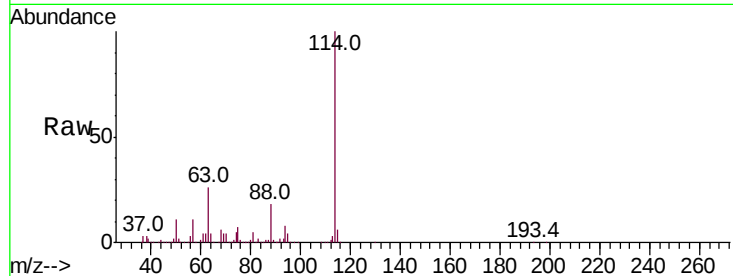
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. 0.00 min
 Lab File: VL033258.D
 Acq: 8 Mar 2019 14:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.1	22.2	33.2
88	18.3	14.6	22.0

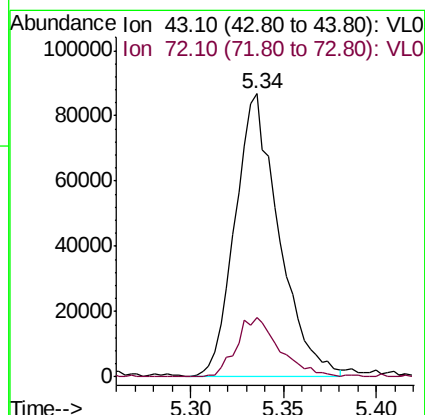
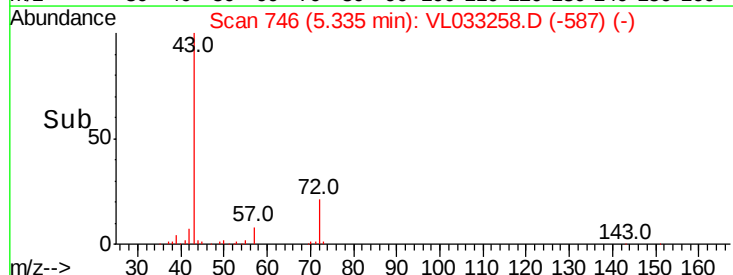
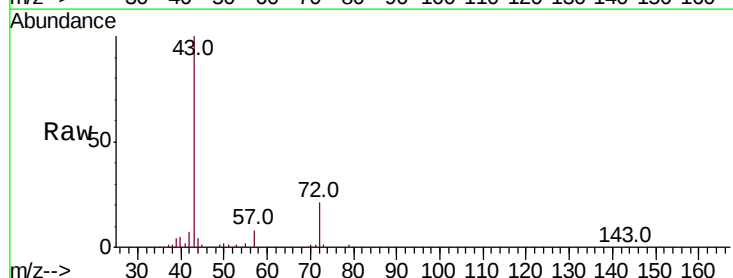
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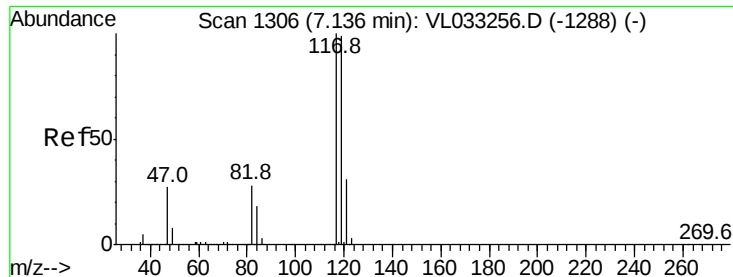
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#34
 2-Butanone
 Concen: 0.952 ppbv
 RT: 5.34 min Scan# 746
 Delta R.T. 0.01 min
 Lab File: VL033258.D
 Acq: 8 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.8	16.9	25.3





#35

Carbon Tetrachloride

Concen: 0.974 ppbv

RT: 7.13 min Scan# 1303

Delta R.T. -0.01 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Instrument :

MSVOA_L

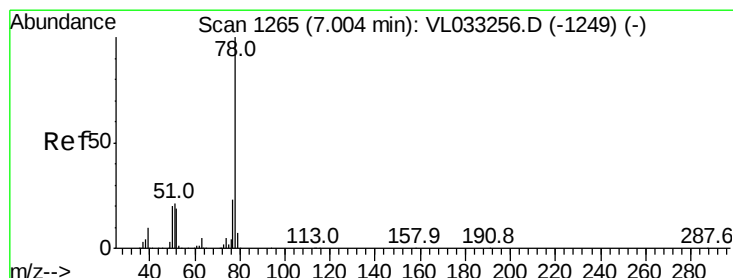
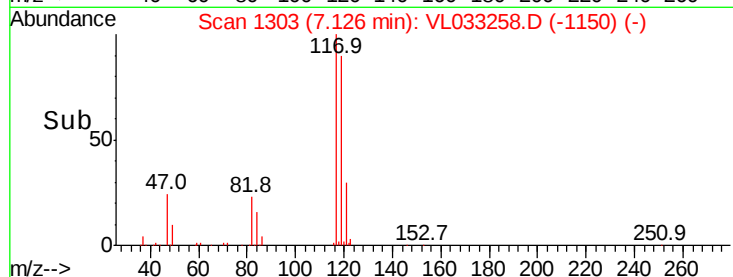
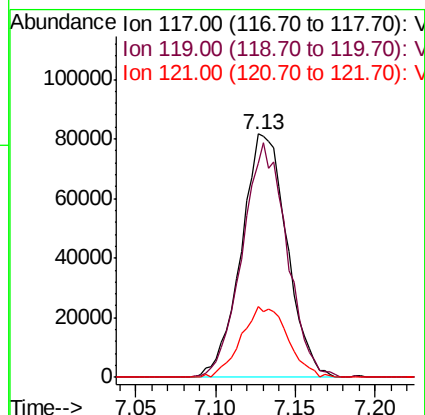
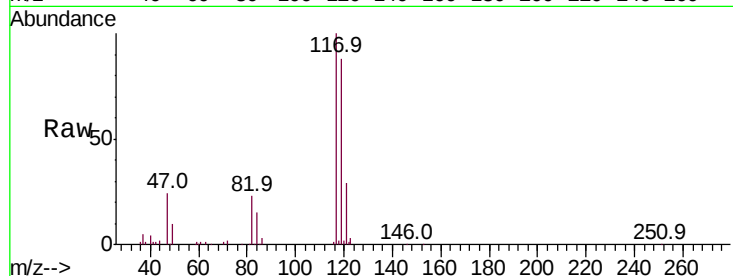
ClientSampleId :

VSTDIC001

Tot Ion:	117	Resp:	158987
Ion Ratio	Lower	Upper	
117	100		
119	88.2	79.0	118.6
121	29.3	24.7	37.1

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#36

Benzene

Concen: 0.962 ppbv

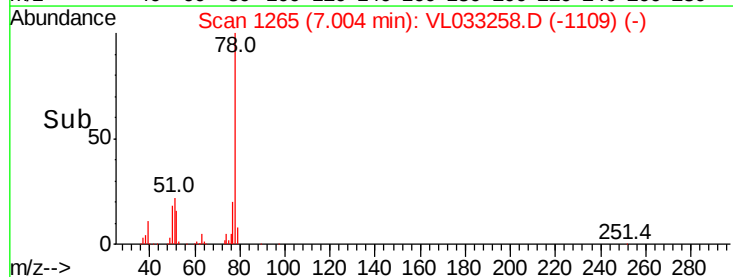
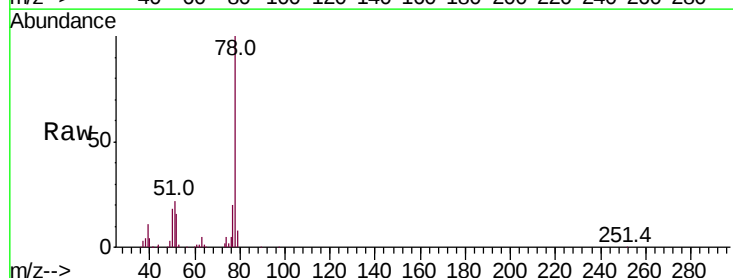
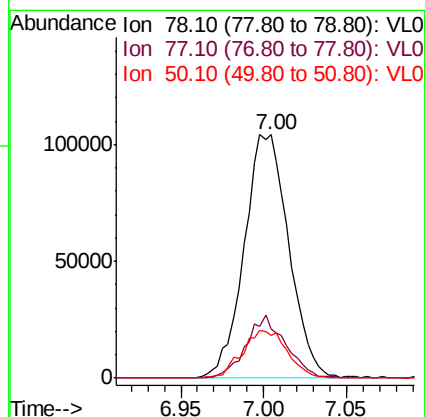
RT: 7.00 min Scan# 1265

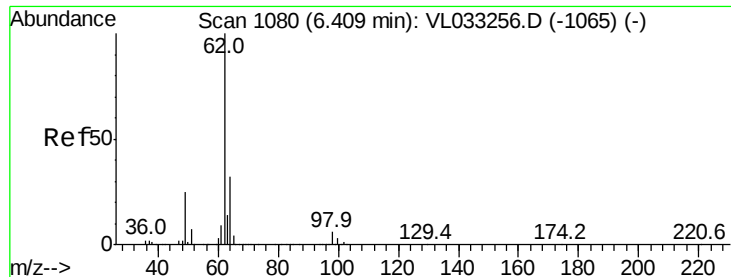
Delta R.T. 0.00 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Tgt Ion:	78	Resp:	194859
Ion Ratio	Lower	Upper	
78	100		
77	20.2	18.2	27.2
50	17.6	16.2	24.2





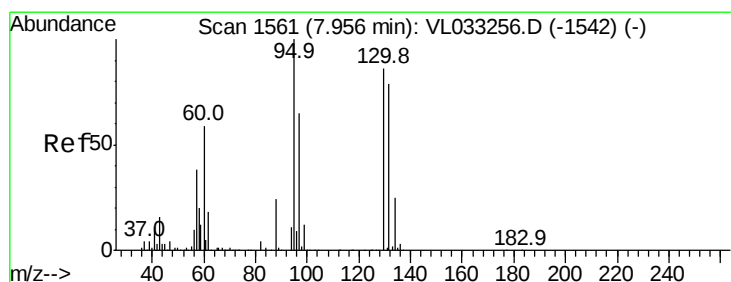
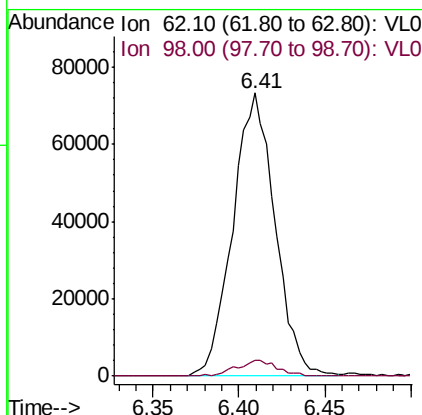
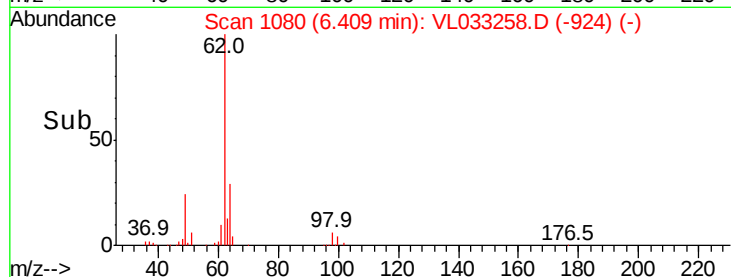
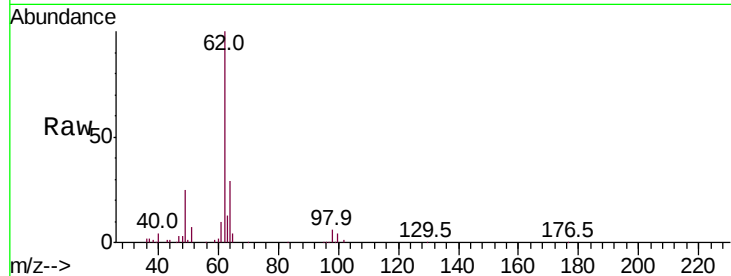
#37
 1,2-Dichloroethane
 Concen: 0.994 ppbv
 RT: 6.41 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VL033258.D
 Acq: 8 Mar 2019 14:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	125346		
98	5.3	4.5	6.7	

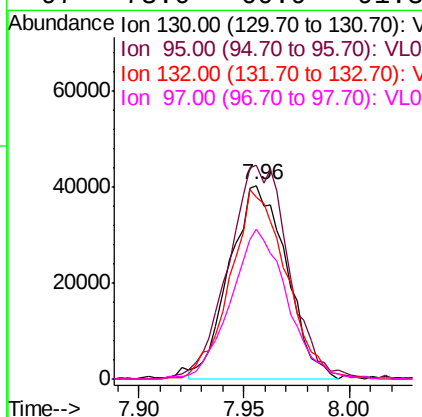
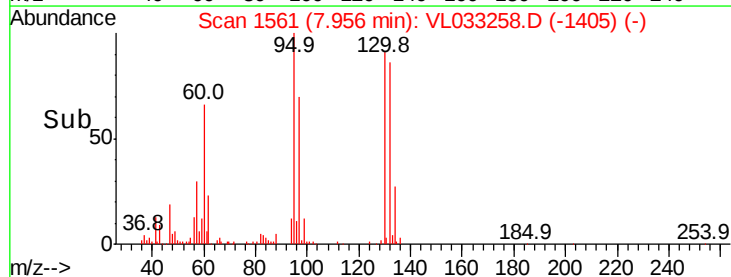
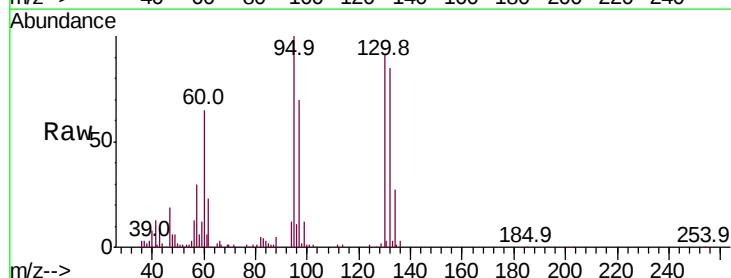
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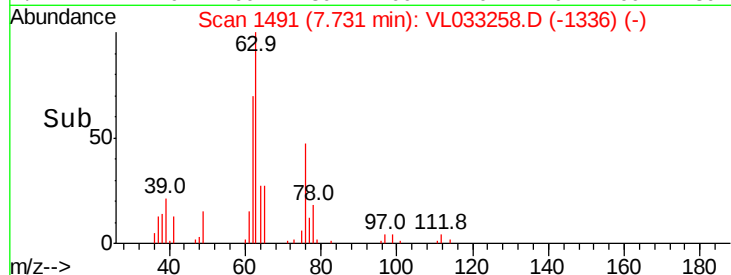
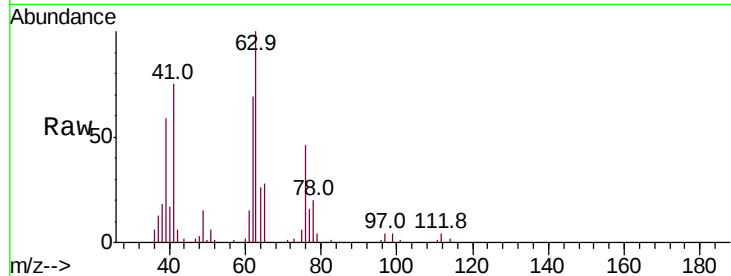
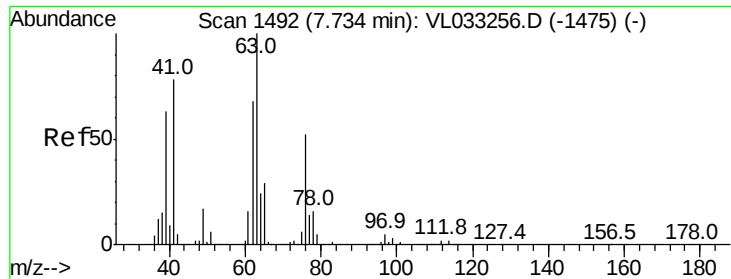
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#38
 Trichloroethene
 Concen: 0.989 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. 0.00 min
 Lab File: VL033258.D
 Acq: 8 Mar 2019 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	75674		
95	102.8	93.4	140.0	
132	88.7	74.0	111.0	
97	73.0	60.9	91.3	





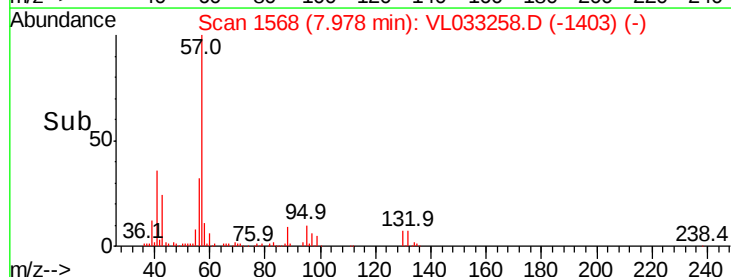
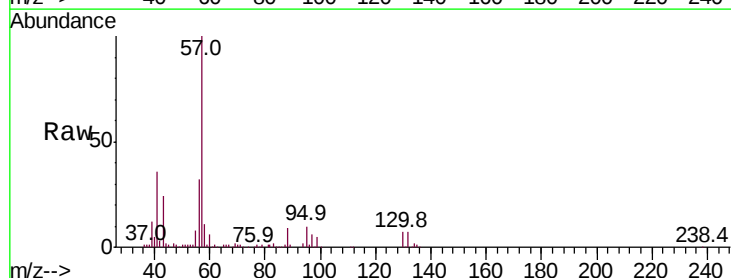
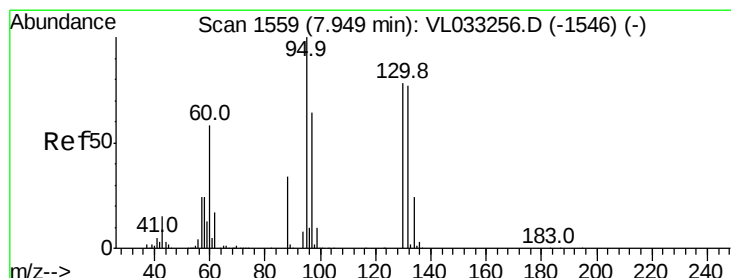
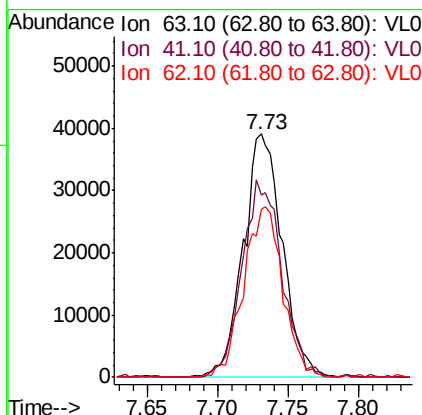
#39
1,2-Dichloropropane
Concen: 0.955 ppbv
RT: 7.73 min Scan# 1491
Delta R.T. -0.00 min
Lab File: VL033258.D
Acq: 8 Mar 2019 14:04

Tot Ion	Ratio	Lower	Upper
63	100		
41	74.7	62.6	94.0
62	69.1	54.6	81.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

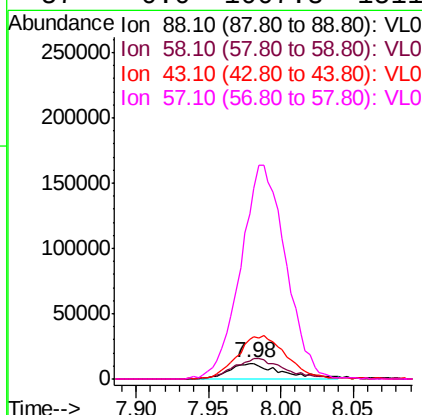
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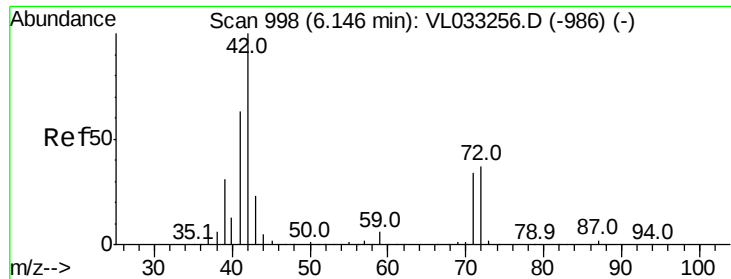
MMDadoda
3/11/2019 10:10:11 AM



#40
1,4-Dioxane
Concen: 1.008 ppbv m
RT: 7.98 min Scan# 1568
Delta R.T. 0.03 min
Lab File: VL033258.D
Acq: 8 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	108.4	162.6#
43	0.0	232.3	348.5#
57	0.0	1007.8	1511.8#





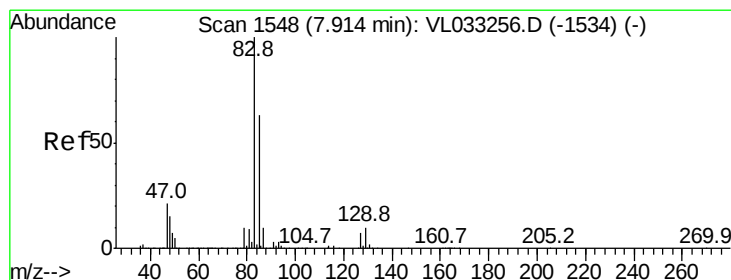
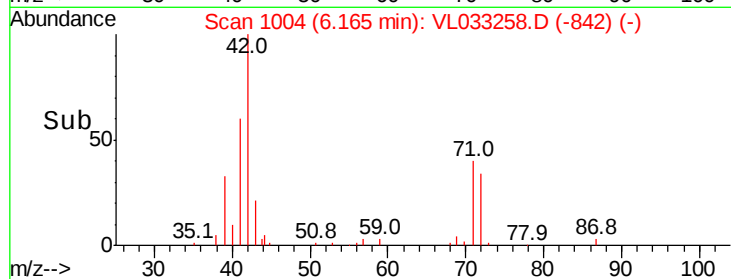
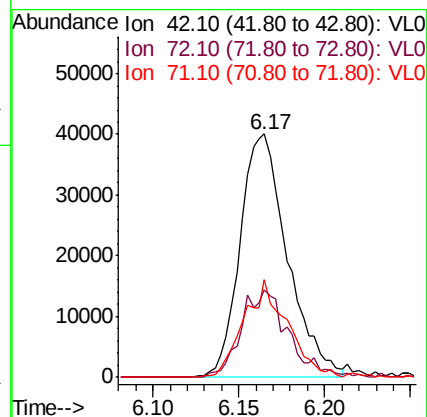
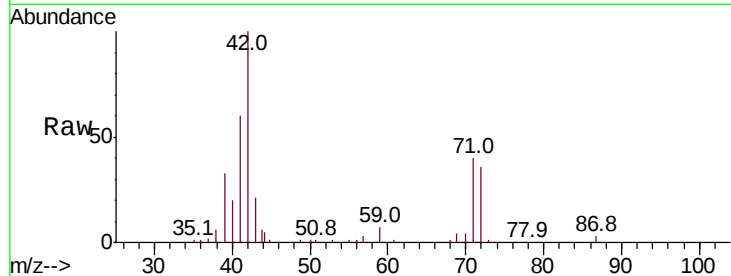
#41
Tetrahydrofuran
Concen: 0.931 ppbv
RT: 6.17 min Scan# 1004
Delta R.T. 0.02 min
Lab File: VL033258.D
Acq: 8 Mar 2019 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	30.2	45.2
71	37.7	29.0	43.6

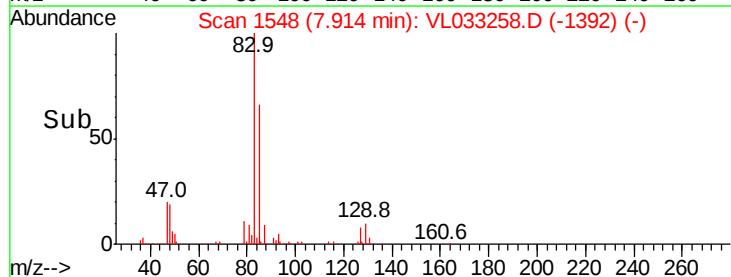
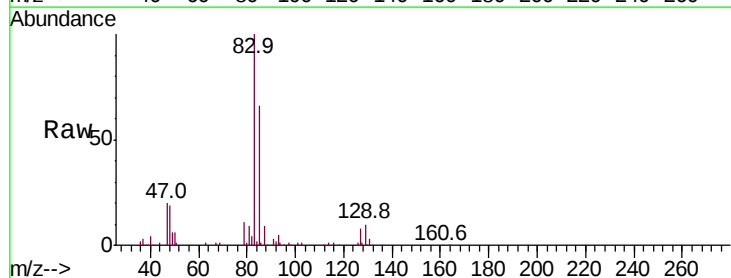
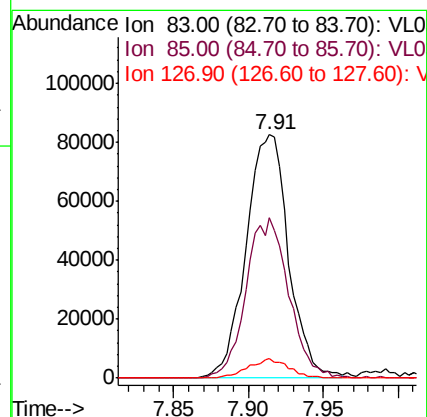
Manual Integrations
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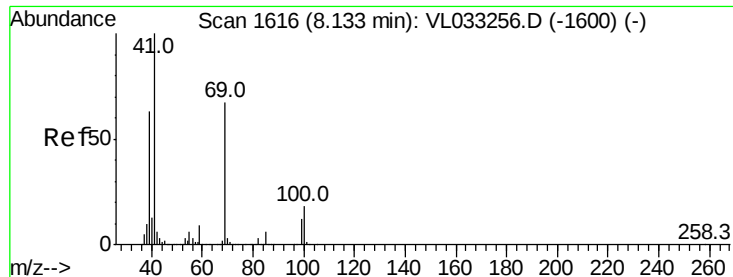
MMDadoda
3/11/2019 10:10:11 AM



#42
Bromodichloromethane
Concen: 0.916 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. 0.00 min
Lab File: VL033258.D
Acq: 8 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.1	75.1
127	9.1	5.9	8.9#





#43

Methyl Methacrylate

Concen: 0.918 ppbv

RT: 8.14 min Scan# 1617

Delta R.T. 0.00 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

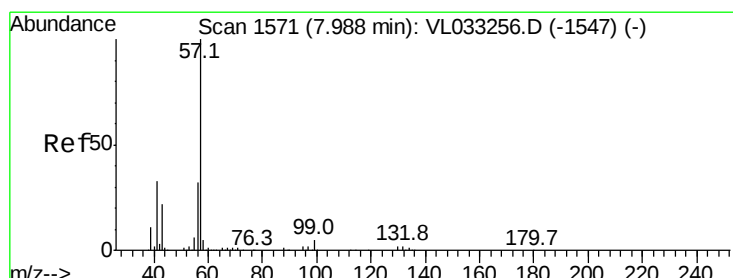
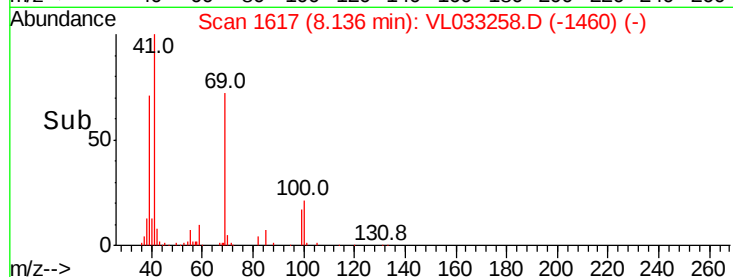
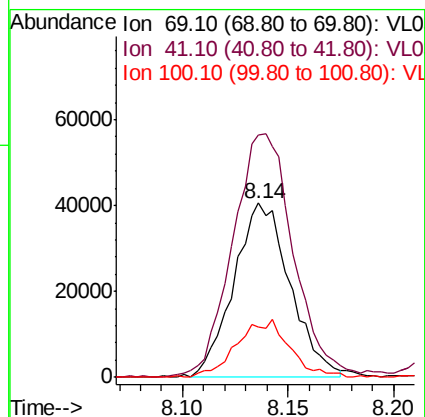
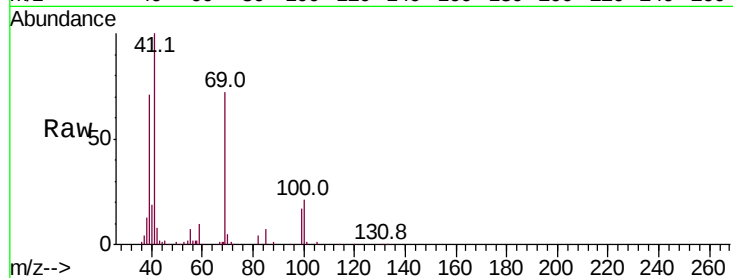
Instrument :
MSVOA_L

ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
69	100		
41	152.7	120.3	180.5
100	31.6	23.5	35.3

Manual Integrations
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3/11/2019 10:10:11 AM



#44

2,2,4-Trimethylpentane

Concen: 0.990 ppbv

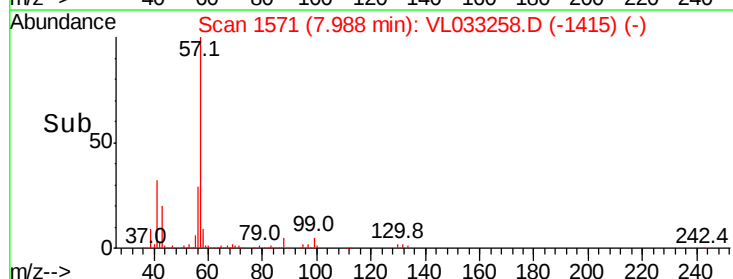
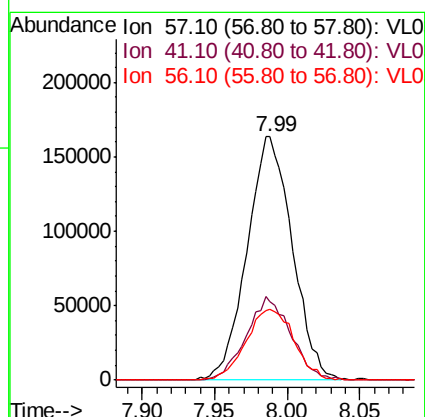
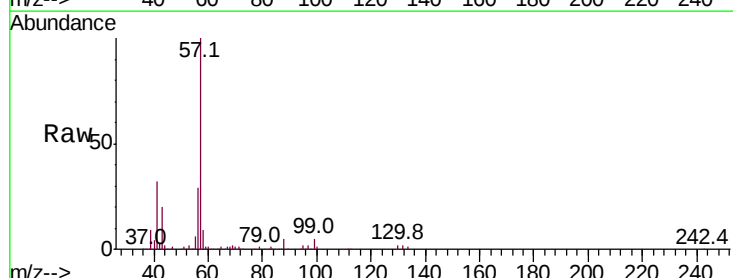
RT: 7.99 min Scan# 1571

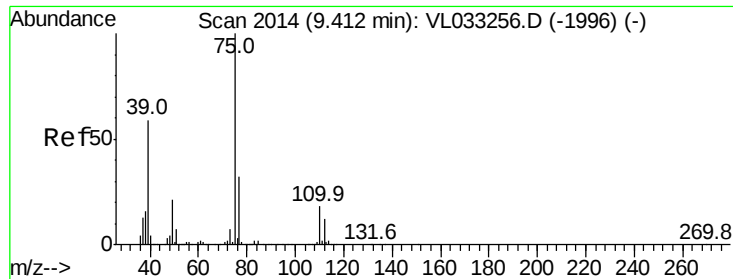
Delta R.T. 0.00 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
57	100		
41	33.8	26.4	39.6
56	31.1	25.1	37.7





#45

t-1,3-Dichloropropene

Concen: 0.846 ppbv

RT: 9.41 min Scan# 2014

Delta R.T. 0.00 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 83924

Ion Ratio Lower Upper

75 100

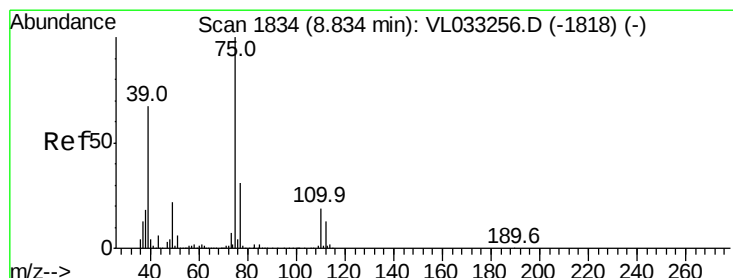
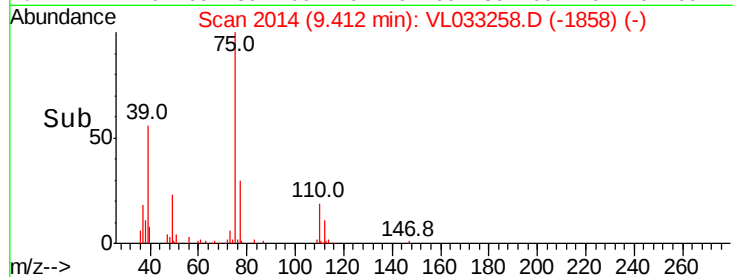
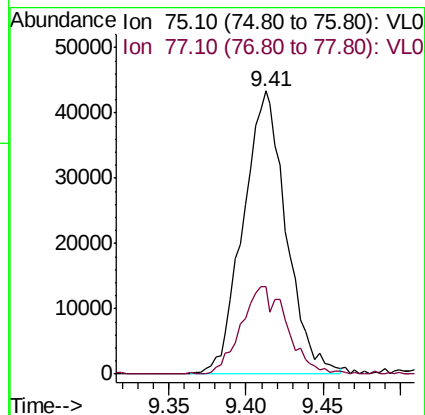
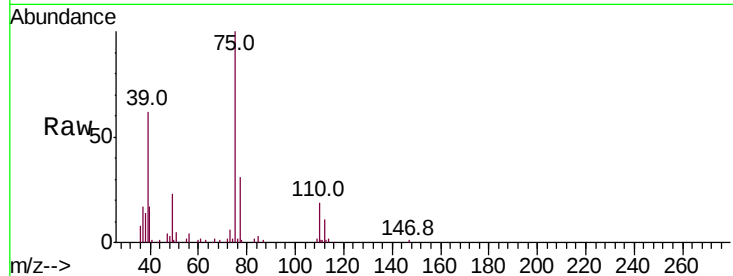
77 31.0 25.4 38.0

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3/11/2019 10:10:11 AM



#46

cis-1,3-Dichloropropene

Concen: 0.860 ppbv

RT: 8.83 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

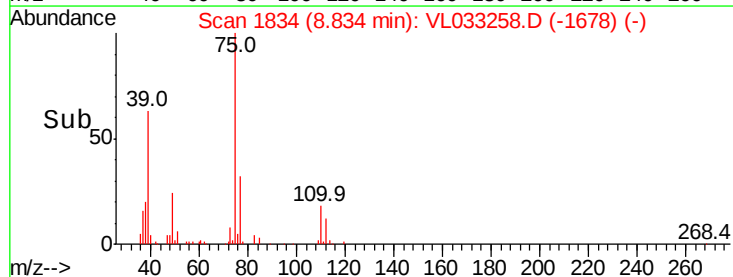
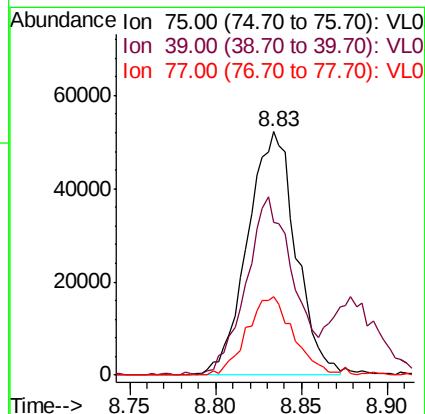
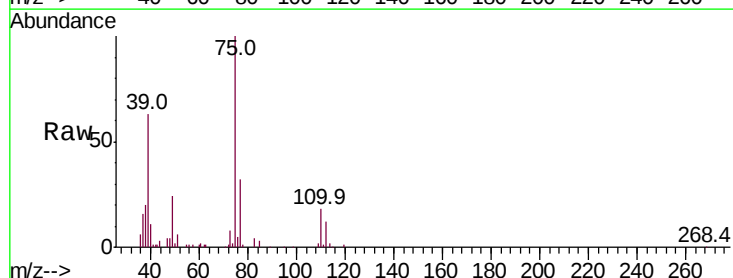
Tgt Ion: 75 Resp: 101735

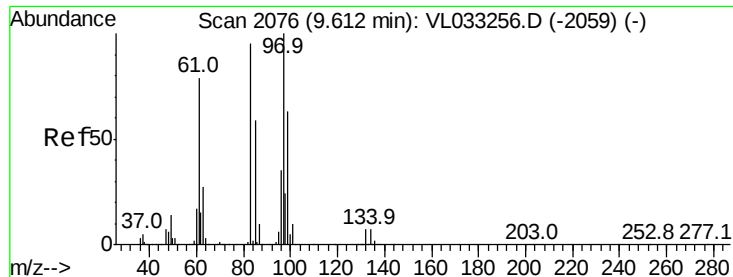
Ion Ratio Lower Upper

75 100

39 62.4 53.8 80.6

77 32.2 25.0 37.6





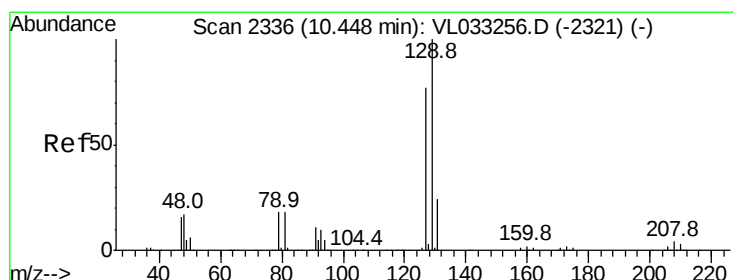
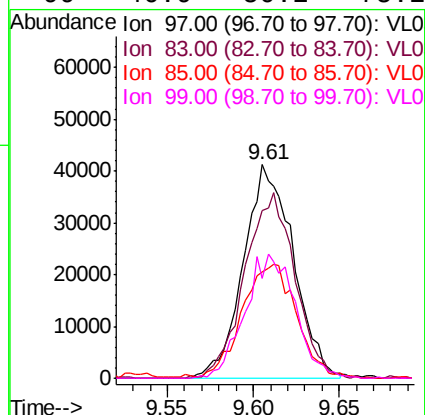
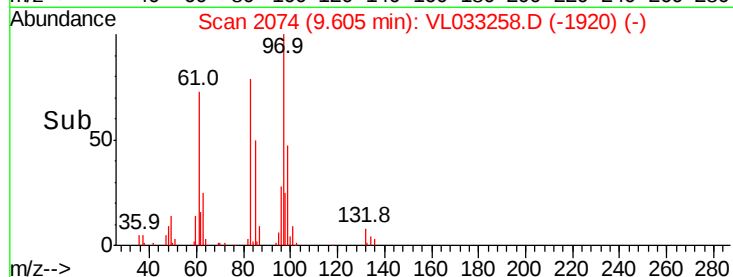
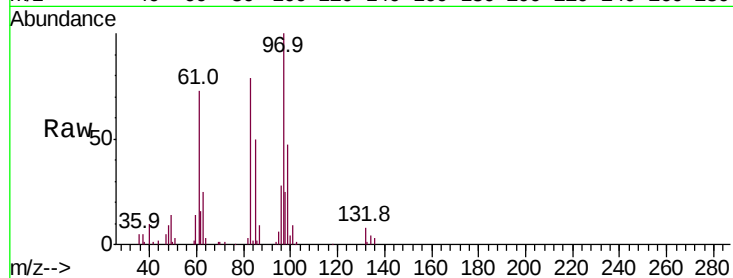
#47
 1,1,2-Trichloroethane
 Concen: 0.973 ppbv
 RT: 9.61 min Scan# 2074
 Delta R.T. -0.01 min
 Lab File: VL033258.D
 Acq: 8 Mar 2019 14:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
97	100		
83	77.5	75.8	113.8
85	48.6	47.5	71.3
99	46.9	50.2	75.2#

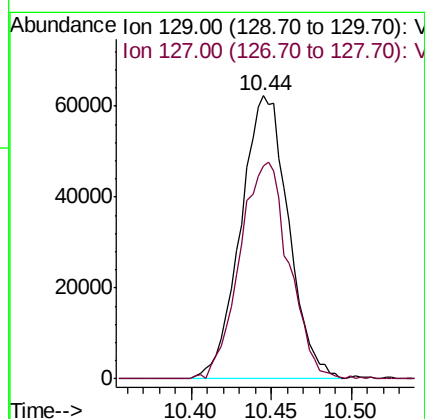
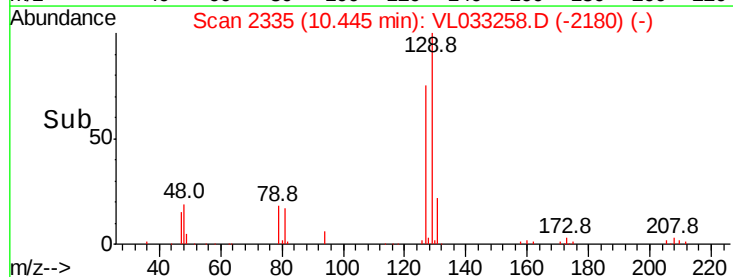
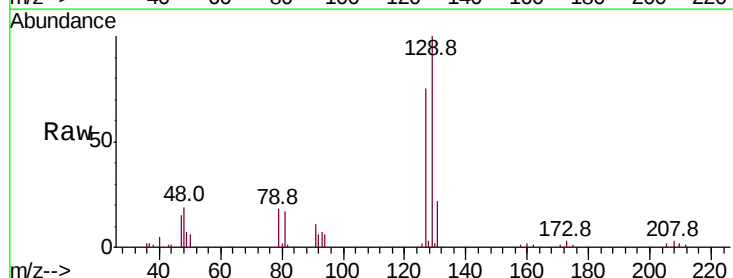
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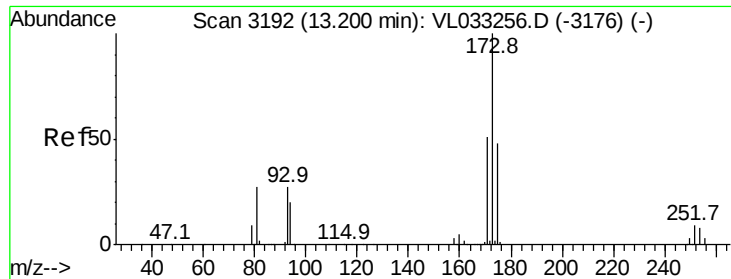
MMDadoda
 3/11/2019 10:10:11 AM



#48
 Dibromochloromethane
 Concen: 0.926 ppbv
 RT: 10.44 min Scan# 2335
 Delta R.T. -0.00 min
 Lab File: VL033258.D
 Acq: 8 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.4	118.2





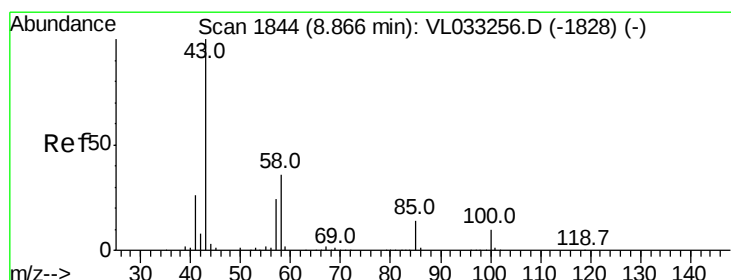
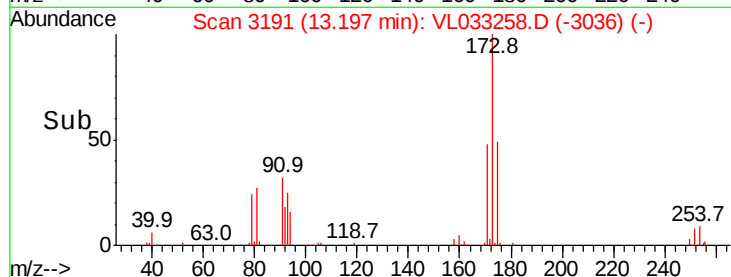
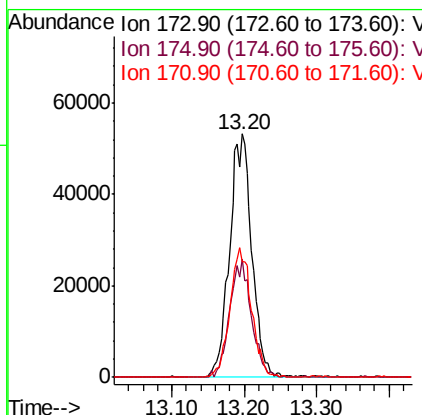
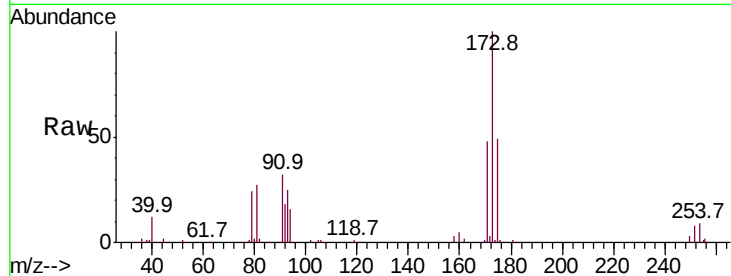
#49
Bromoform
Concen: 1.032 ppbv m
RT: 13.20 min Scan# 3191
Delta R.T. -0.00 min
Lab File: VL033258.D
Acq: 8 Mar 2019 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.1	38.8	58.2
171	51.5	41.5	62.3

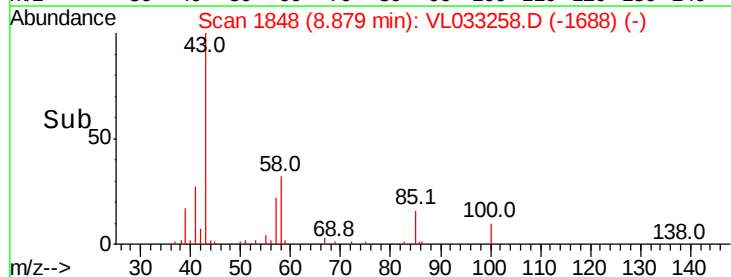
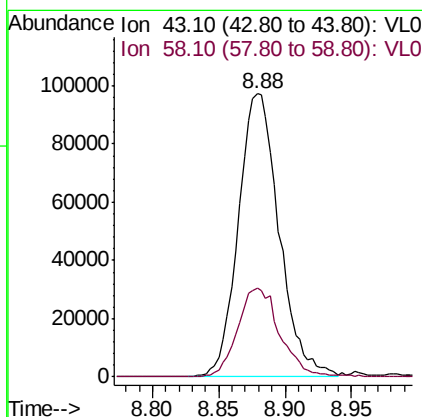
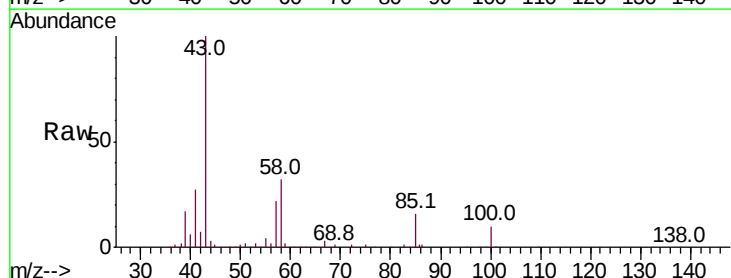
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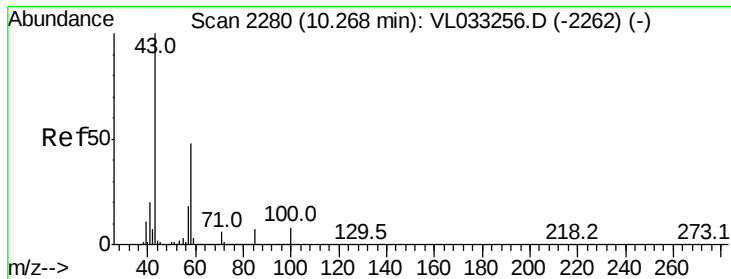
MMDadoda
3/11/2019 10:10:11 AM



#50
4-Methyl-2-Pentanone
Concen: 0.939 ppbv
RT: 8.88 min Scan# 1848
Delta R.T. 0.01 min
Lab File: VL033258.D
Acq: 8 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.7	28.1	42.1





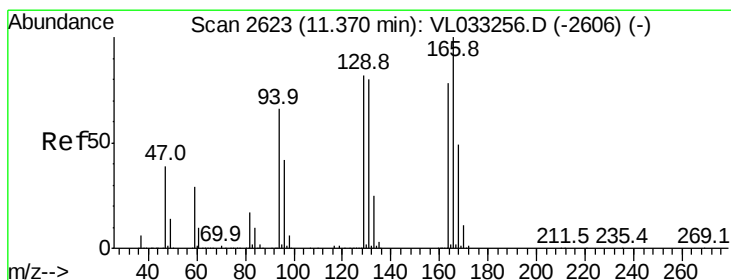
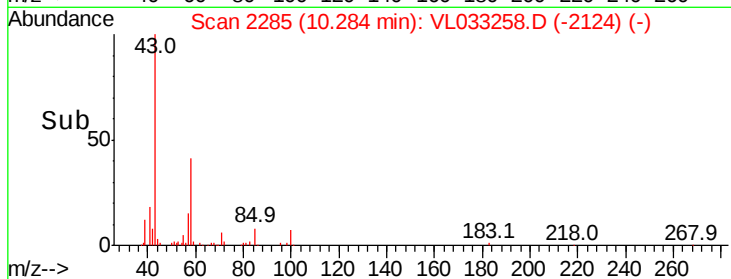
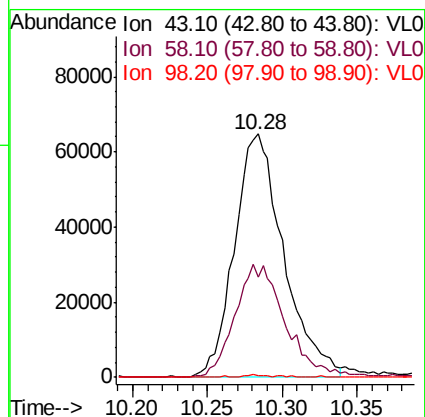
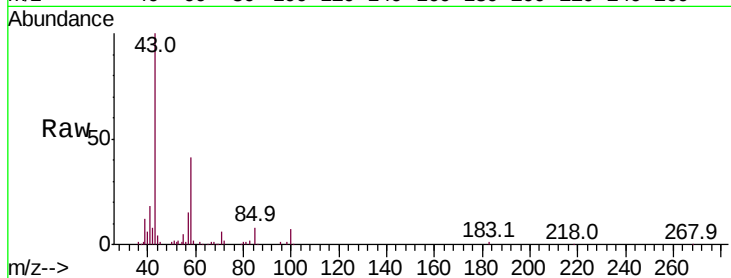
#51
2-Hexanone
Concen: 0.898 ppbv
RT: 10.28 min Scan# 2285
Delta R.T. 0.02 min
Lab File: VL033258.D
Acq: 8 Mar 2019 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.2	38.1	57.1
98	0.7	0.2	0.4

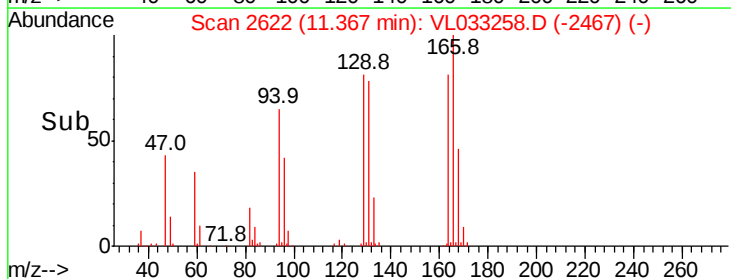
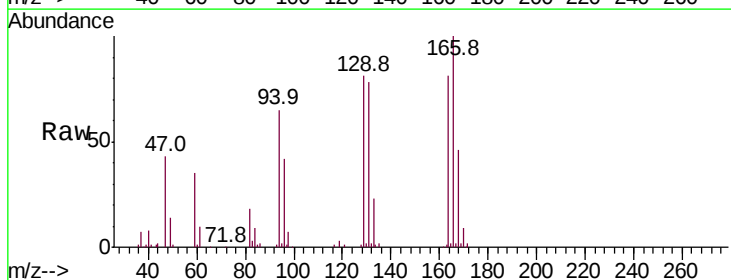
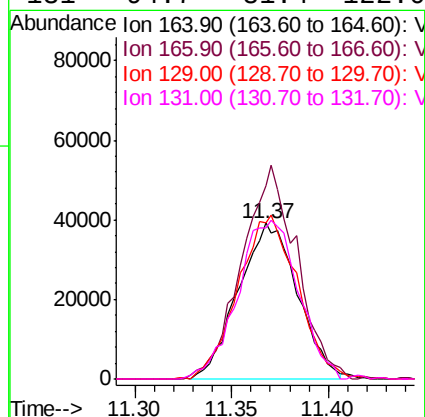
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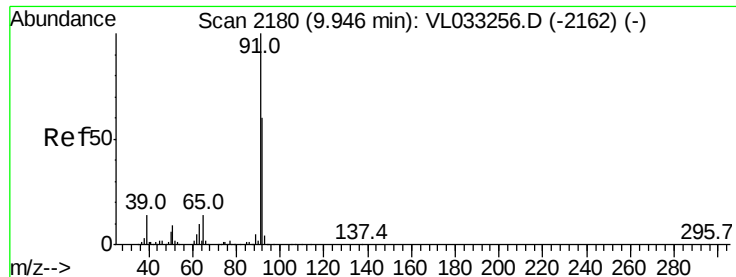
MMDadoda
3/11/2019 10:10:11 AM



#52
Tetrachloroethene
Concen: 1.099 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.00 min
Lab File: VL033258.D
Acq: 8 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.0	102.0	153.0
129	97.8	83.2	124.8
131	94.7	81.4	122.0





#53

Toluene

Concen: 0.929 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. 0.00 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 217553

Ion Ratio Lower Upper

91 100

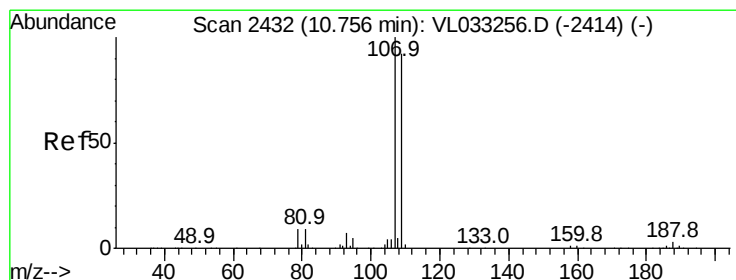
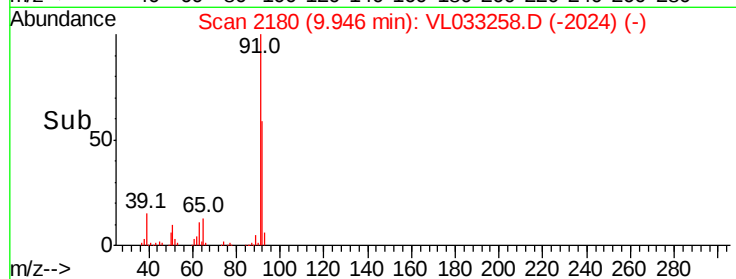
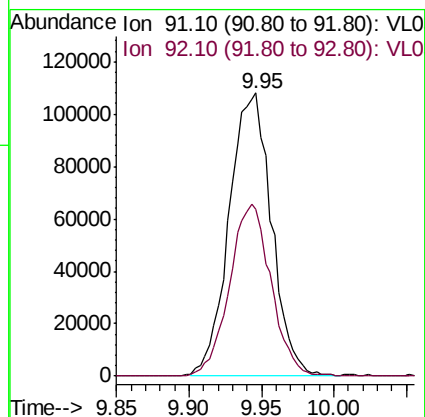
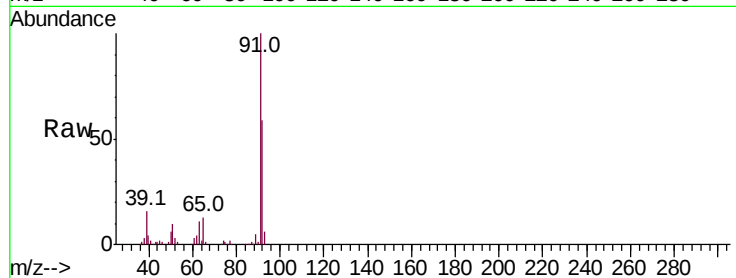
92 60.0 47.7 71.5

Manual Integrations

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3/11/2019 10:10:11 AM



#54

1,2-Dibromoethane

Concen: 1.093 ppbv

RT: 10.75 min Scan# 2431

Delta R.T. -0.00 min

Lab File: VL033258.D

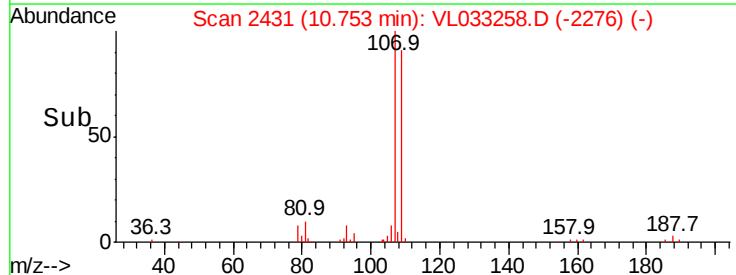
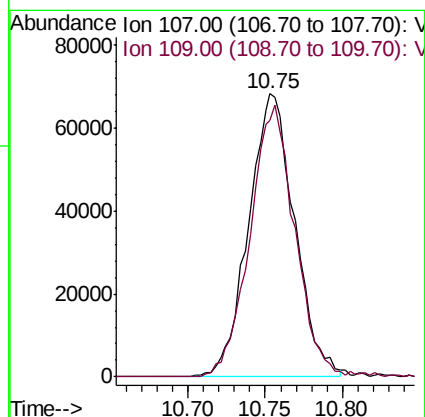
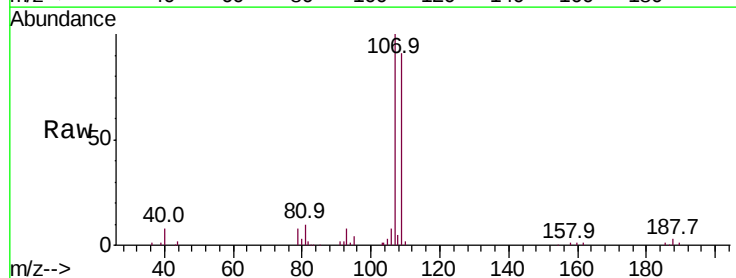
Acq: 8 Mar 2019 14:04

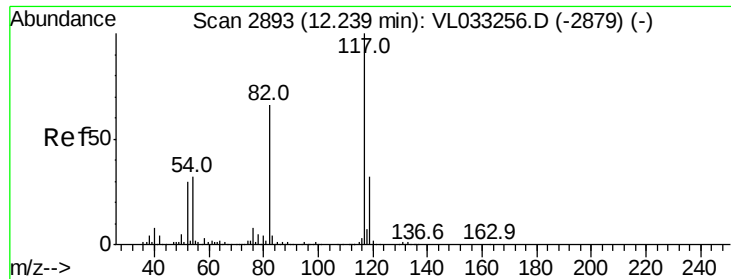
Tgt Ion: 107 Resp: 141343

Ion Ratio Lower Upper

107 100

109 90.8 73.9 110.9





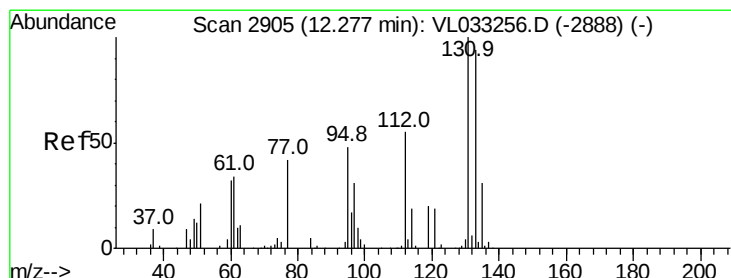
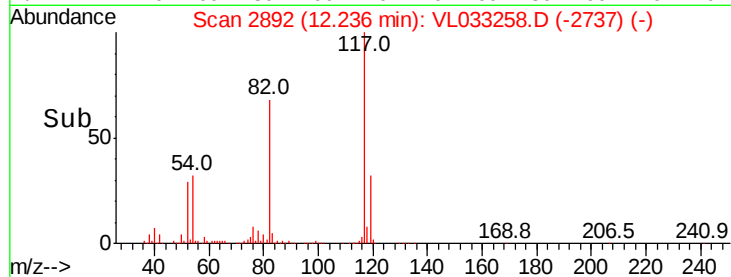
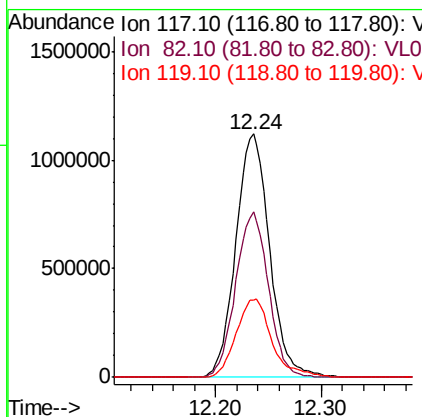
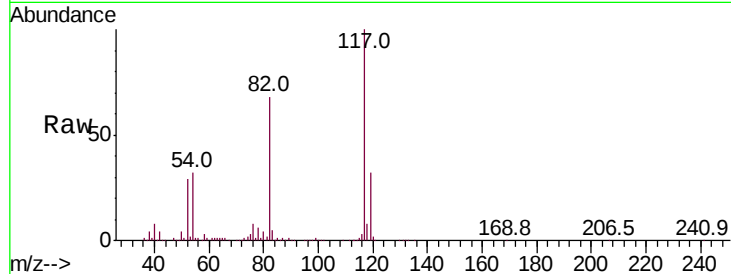
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033258.D
Acq: 8 Mar 2019 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 2499069
Ion Ratio Lower Upper
117 100
82 66.0 52.2 78.4
119 34.1 43.4 65.2#

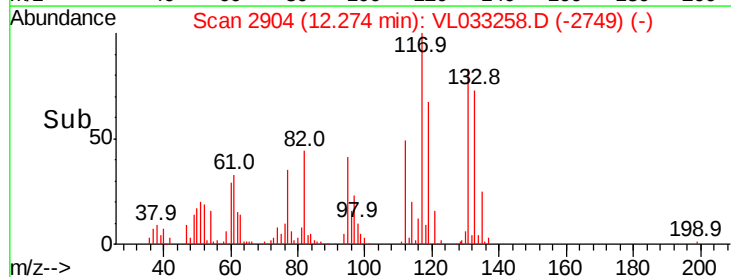
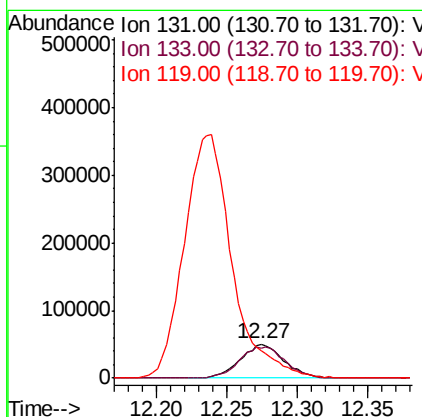
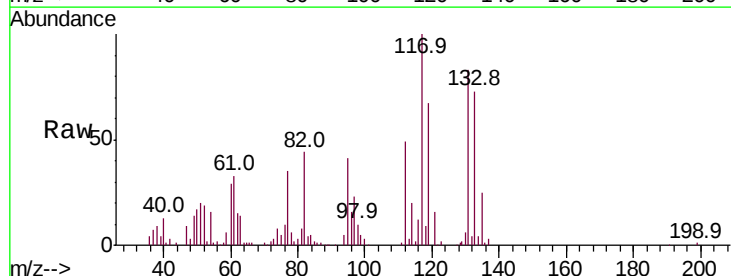
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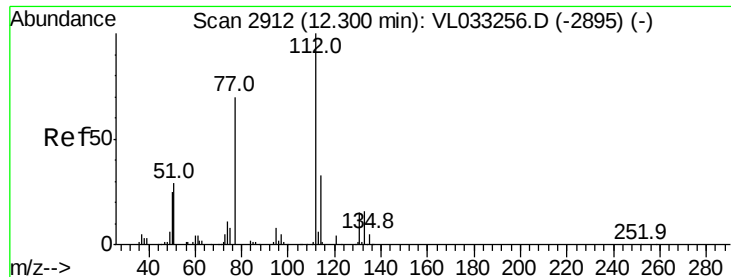
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.995 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.00 min
Lab File: VL033258.D
Acq: 8 Mar 2019 14:04

Tgt Ion:131 Resp: 107928
Ion Ratio Lower Upper
131 100
133 96.8 76.3 114.5
119 787.6 109.2 163.8#





#57

Chlorobenzene

Concen: 1.027 ppbv

RT: 12.30 min Scan# 2911

Delta R.T. -0.00 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Instrument :

MSVOA_L

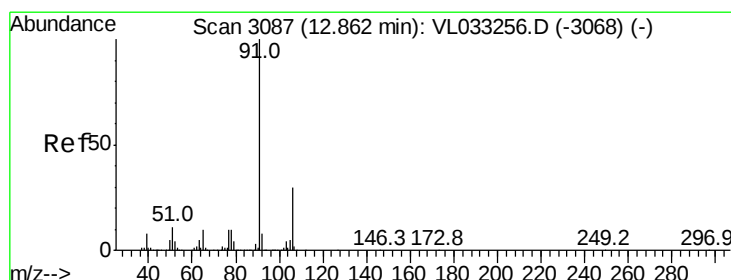
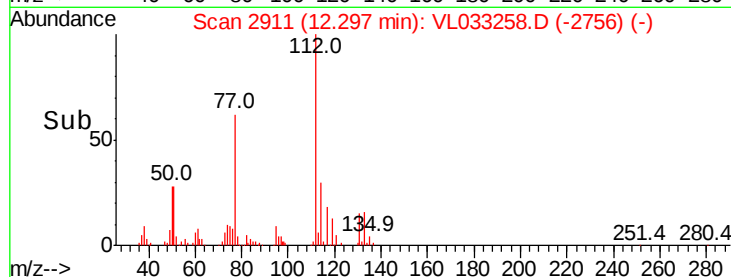
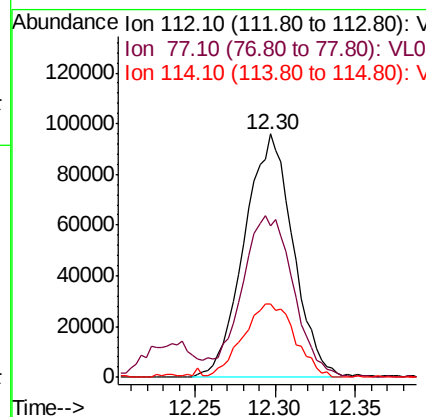
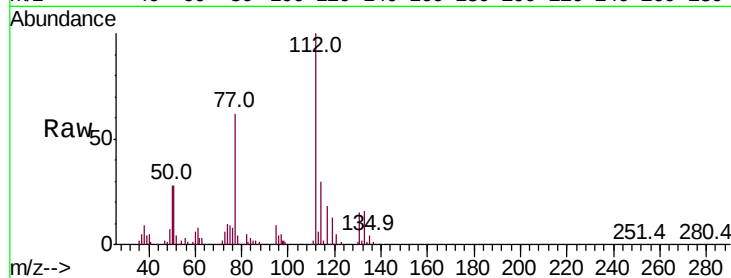
ClientSampleId :

VSTDIC001

Tot Ion:	112	Resp:	199816
Ion Ratio	Lower	Upper	
112	100		
77	62.0	56.8	85.2
114	30.1	29.5	36.1

Manual Integrations
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3/11/2019 10:10:11 AM



#58

Ethyl Benzene

Concen: 0.991 ppbv

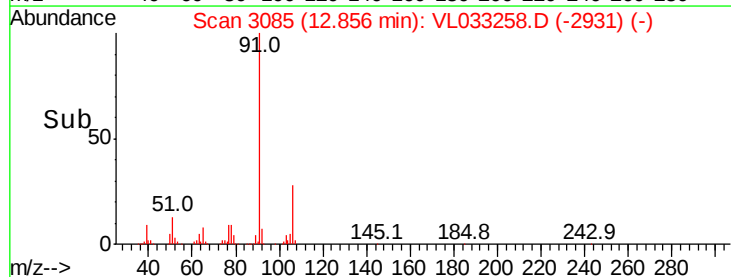
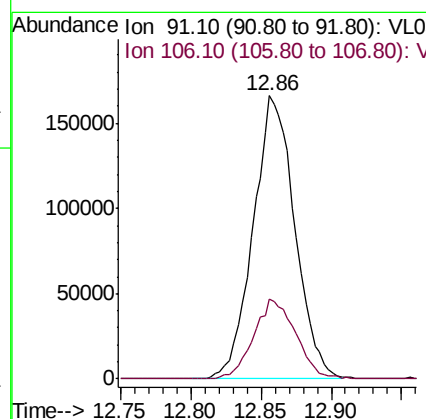
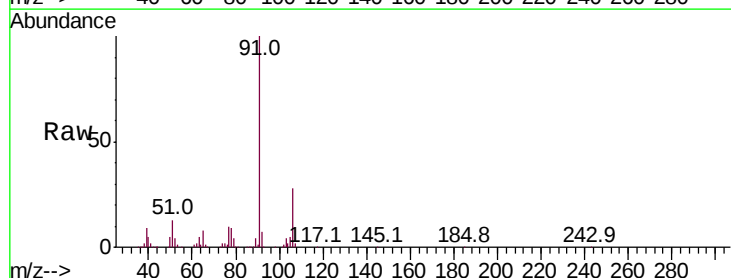
RT: 12.86 min Scan# 3085

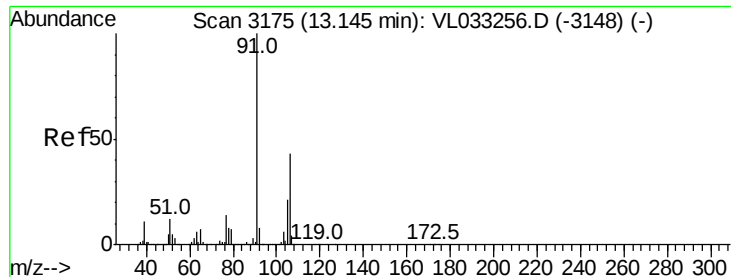
Delta R.T. -0.01 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Tgt Ion:	91	Resp:	342445
Ion Ratio	Lower	Upper	
91	100		
106	28.2	23.7	35.5





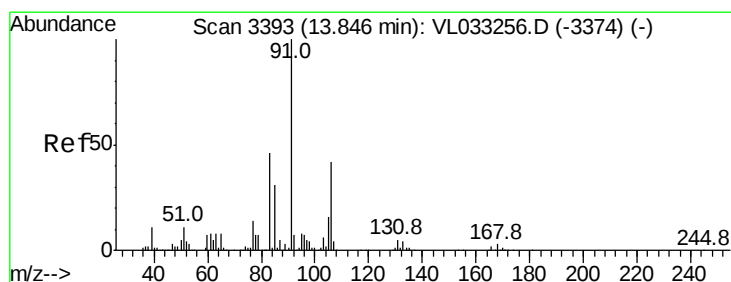
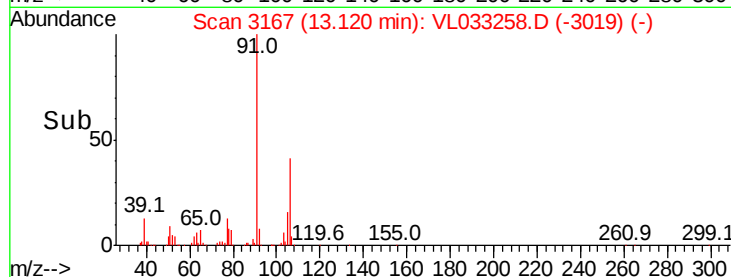
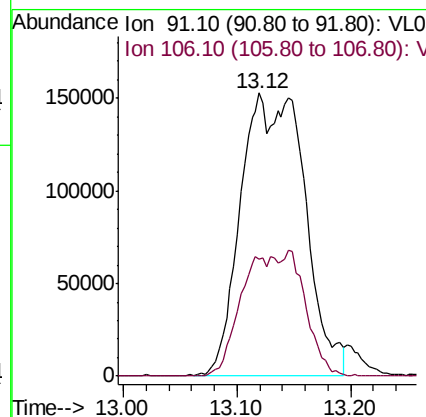
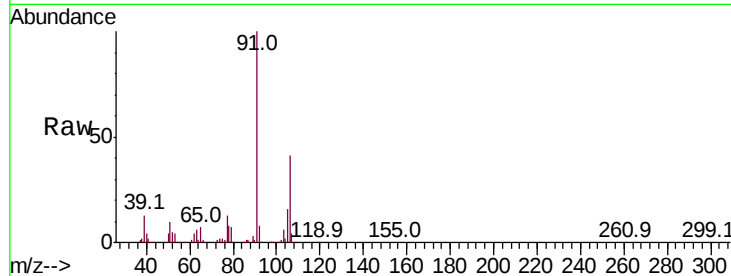
#59
m/p-Xylene
Concen: 2.020 ppbv m
RT: 13.12 min Scan# 3167
Delta R.T. -0.03 min
Lab File: VL033258.D
Acq: 8 Mar 2019 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 595066
Ion Ratio Lower Upper
91 100
106 42.8 35.0 52.4

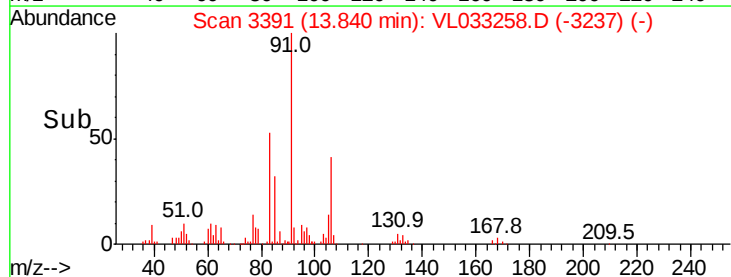
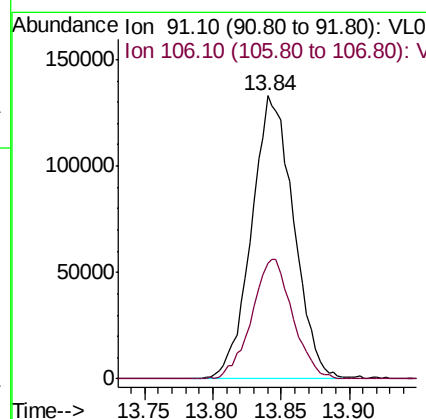
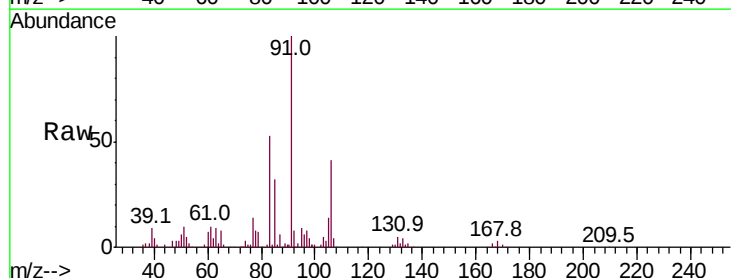
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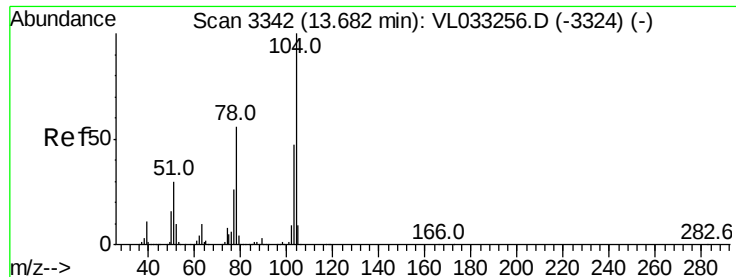
MMDadoda
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#60
o-Xylene
Concen: 1.016 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033258.D
Acq: 8 Mar 2019 14:04

Tgt Ion: 91 Resp: 285219
Ion Ratio Lower Upper
91 100
106 41.1 21.1 63.4





#61

Stvrene

Concen: 0.945 ppbv

RT: 13.68 min Scan# 3340

Delta R.T. -0.01 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Instrument :

MSVOA_L

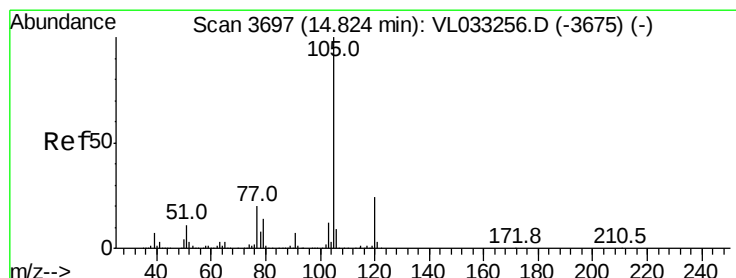
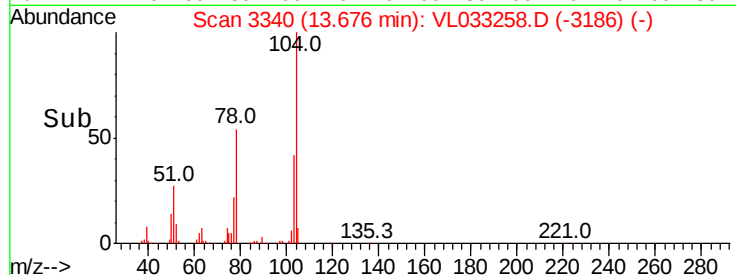
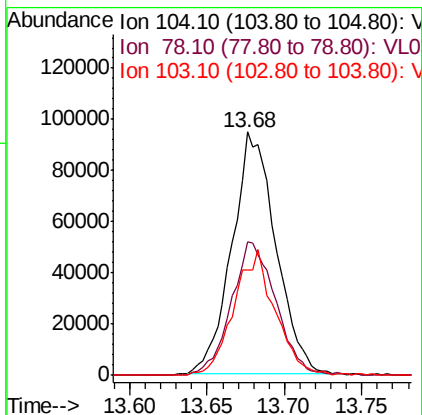
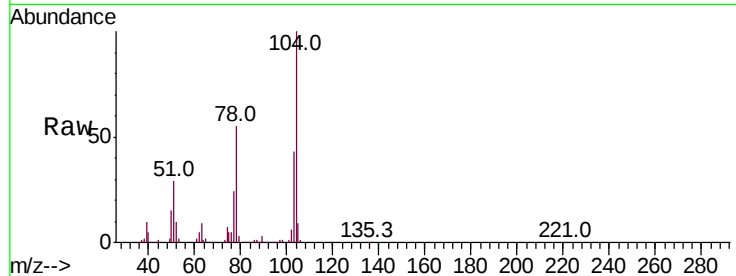
ClientSampleId :

VSTDIC001

Tot Ion:	104	Resp:	186603
Ion Ratio	Lower	Upper	
104	100		
78	56.2	43.9	65.9
103	48.8	38.3	57.5

Manual Integrations
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#62

Isopropylbenzene

Concen: 1.018 ppbv

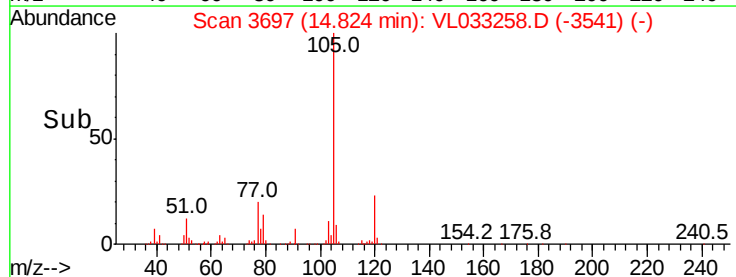
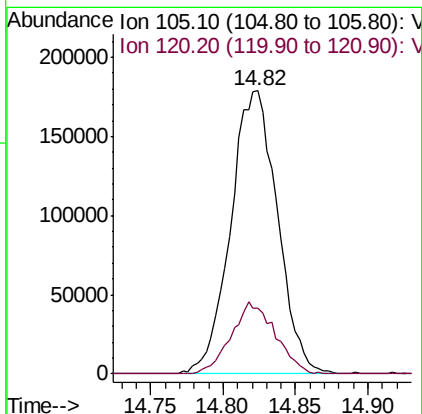
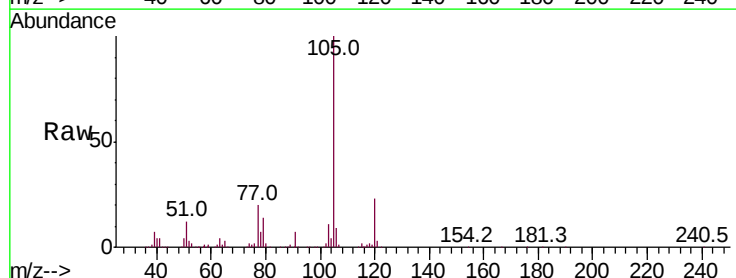
RT: 14.82 min Scan# 3697

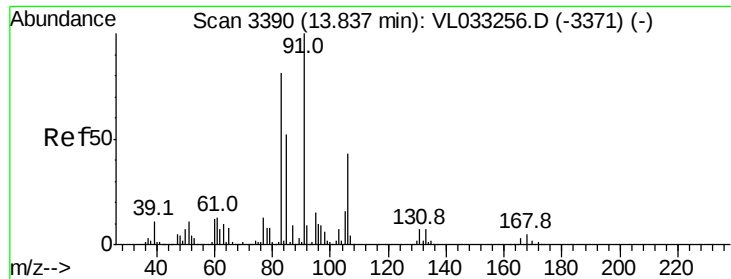
Delta R.T. 0.00 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Tgt Ion:	105	Resp:	398605
Ion Ratio	Lower	Upper	
105	100		
120	24.1	19.7	29.5





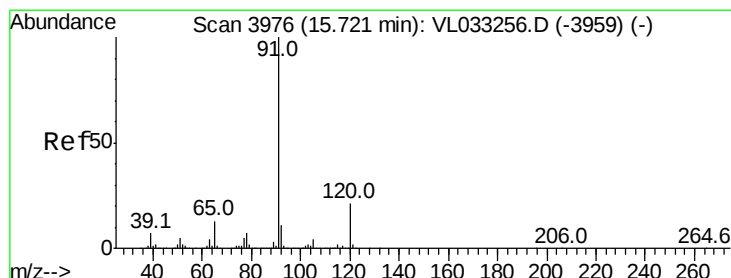
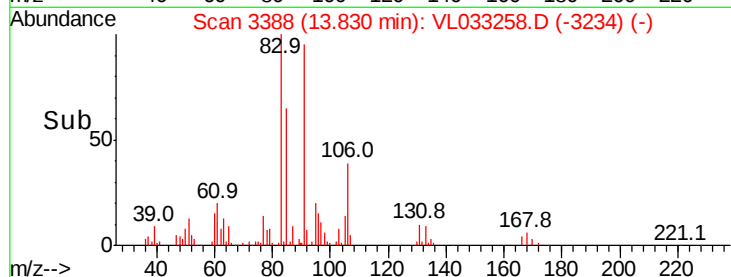
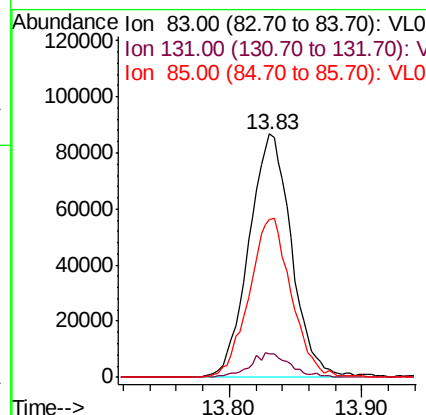
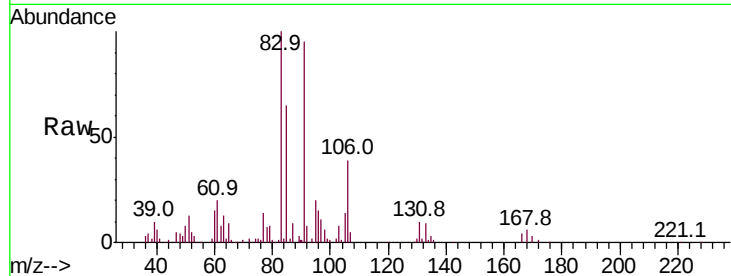
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.964 ppbv
 RT: 13.83 min Scan# 3388
 Delta R.T. -0.01 min
 Lab File: VL033258.D
 Acq: 8 Mar 2019 14:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	83	Resp	192699
Ion Ratio	100	Lower	Upper
83	100		
131	9.6	4.7	14.0
85	65.1	32.4	97.0

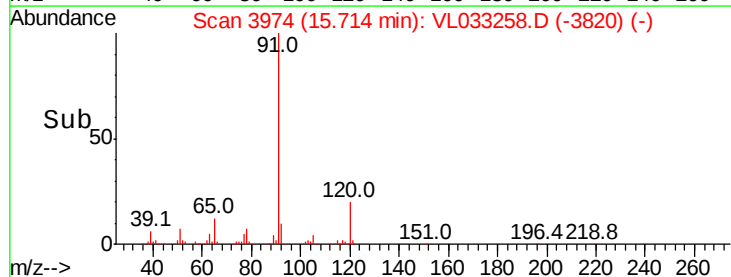
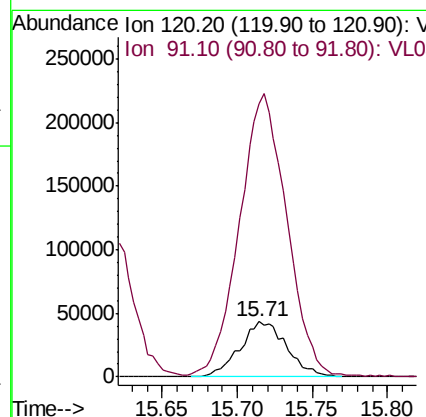
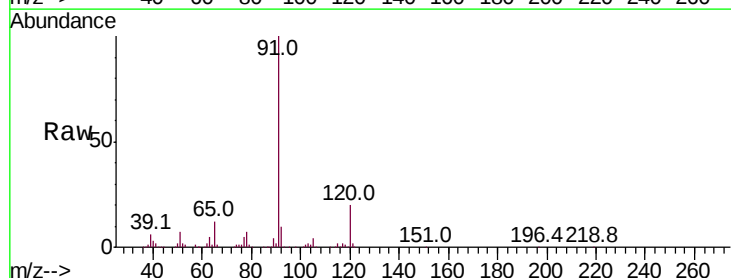
Manual Integrations
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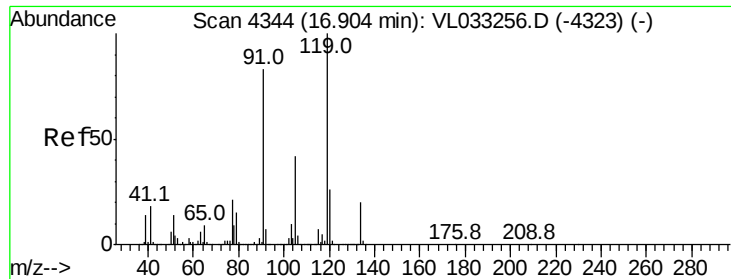
MMDadoda
 3/11/2019 10:10:11 AM



#64
 n-propylbenzene
 Concen: 0.969 ppbv m
 RT: 15.71 min Scan# 3974
 Delta R.T. -0.01 min
 Lab File: VL033258.D
 Acq: 8 Mar 2019 14:04

Tgt Ion	120	Resp	94013
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
120	100		
91	315.3	392.8	589.2#





#65

tert-Butylbenzene

Concen: 0.975 ppbv m

RT: 16.91 min Scan# 4345

Delta R.T. 0.00 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Instrument :

MSVOA_L

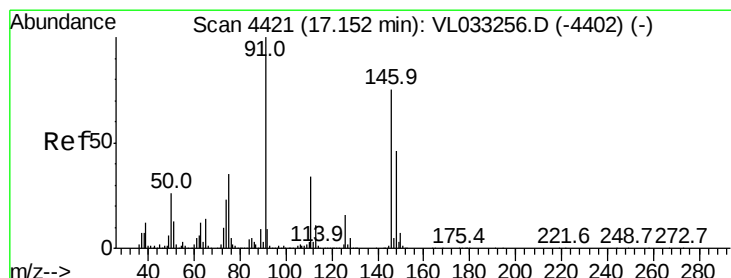
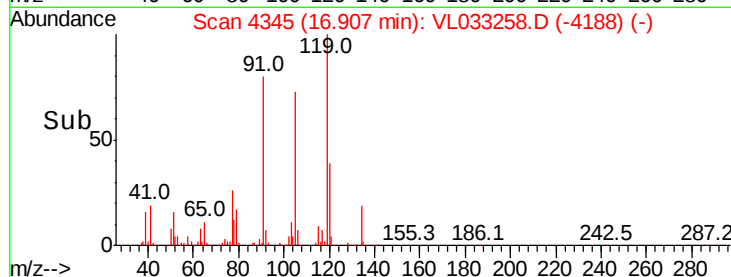
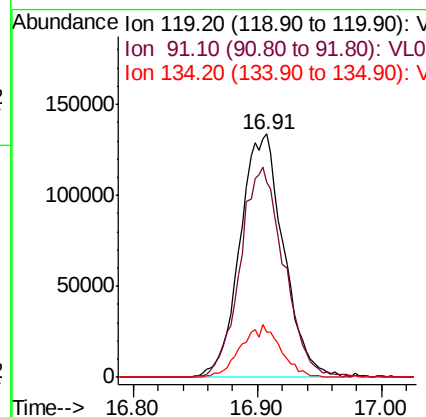
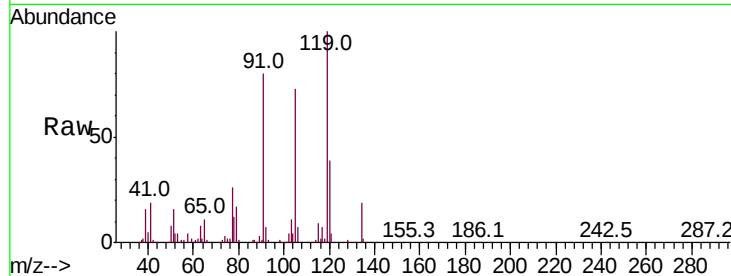
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	0.0	67.3	100.9#
134	0.0	15.5	23.3#

Manual Integrations
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3/11/2019 10:10:11 AM



#66

Benzyl Chloride

Concen: 0.750 ppbv m

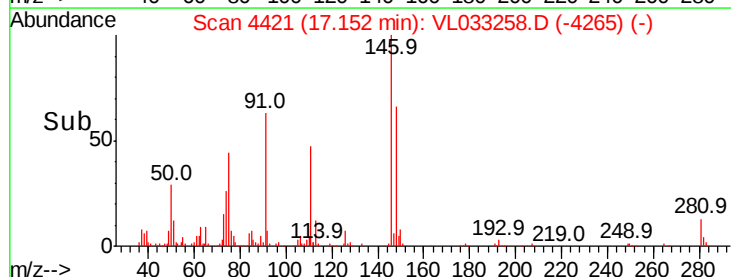
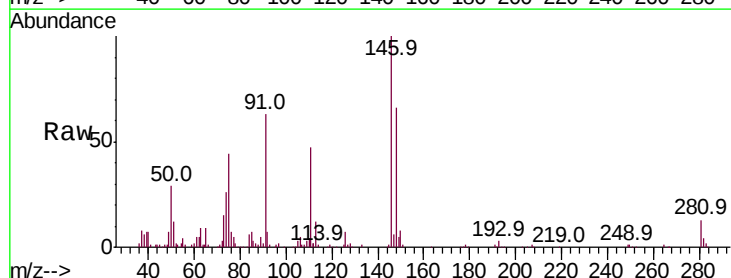
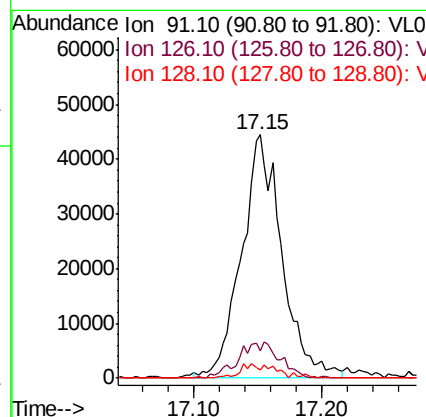
RT: 17.15 min Scan# 4421

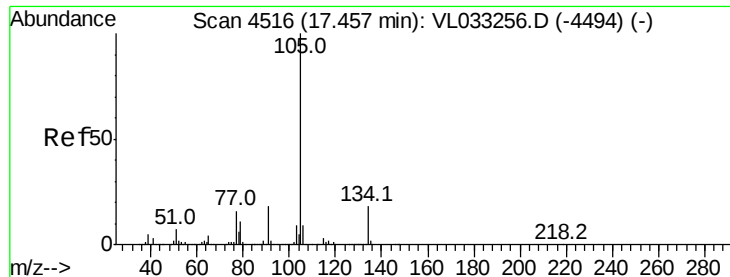
Delta R.T. 0.00 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	15.4	13.0	19.6
128	5.3	4.2	6.2





#67

sec-Butylbenzene

Concen: 0.978 ppbv

RT: 17.45 min Scan# 4515

Delta R.T. -0.00 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 105 Resp: 466291

Ion Ratio Lower Upper

105 100

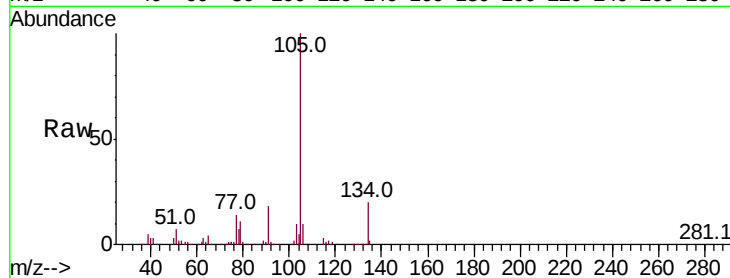
134 18.1 14.0 21.0

Manual Integrations

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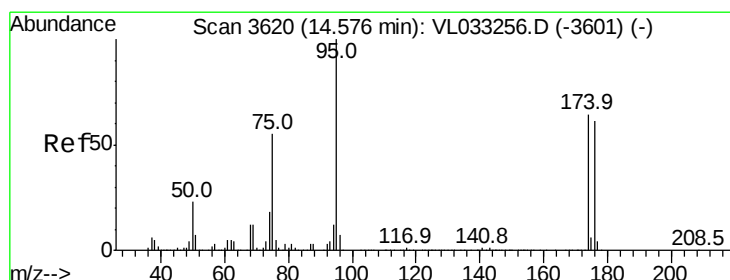
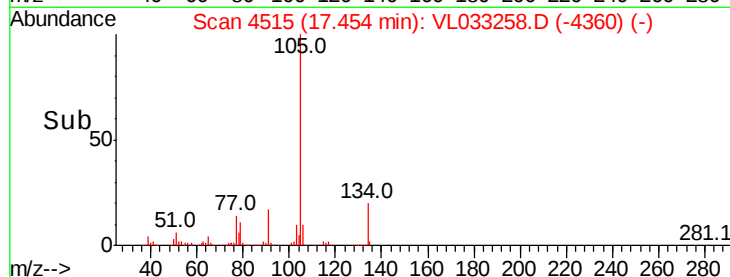
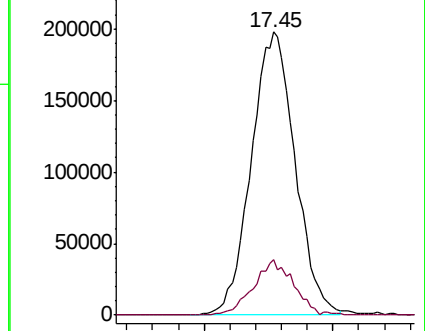
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.358 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

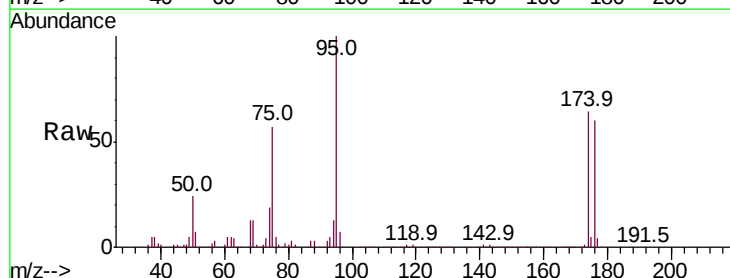
Tgt Ion: 95 Resp: 1964279

Ion Ratio Lower Upper

95 100

174 63.9 51.7 77.5

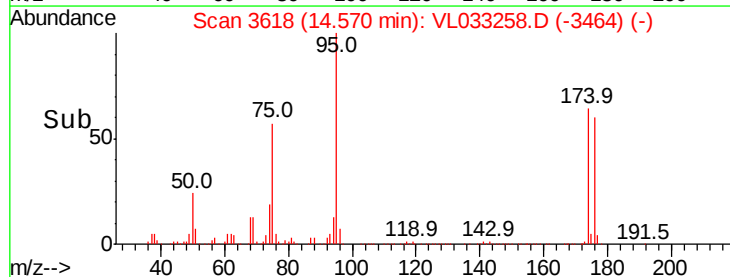
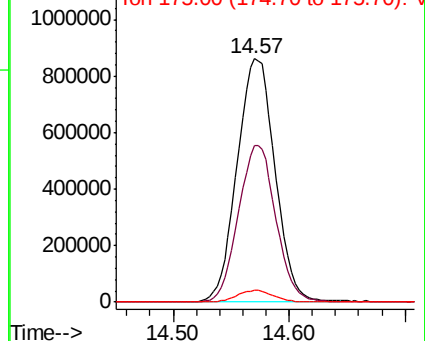
175 4.7 3.8 5.8

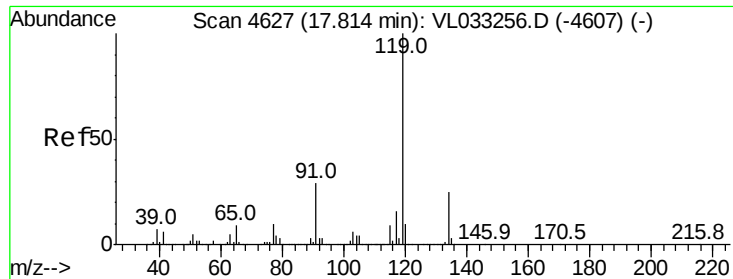


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





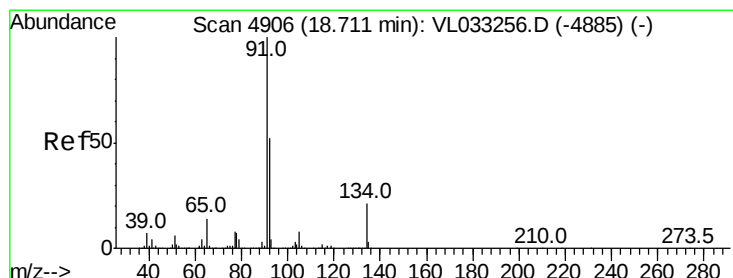
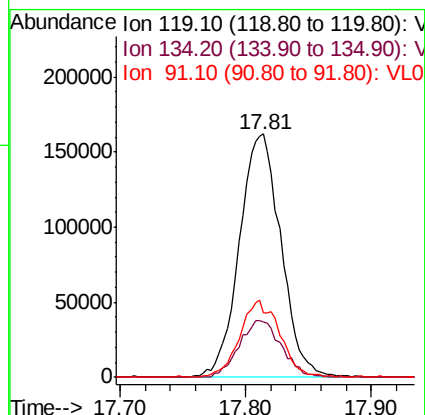
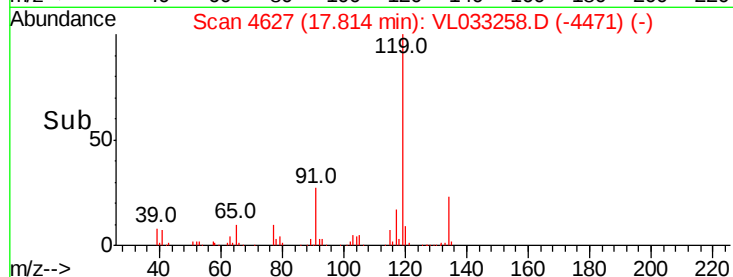
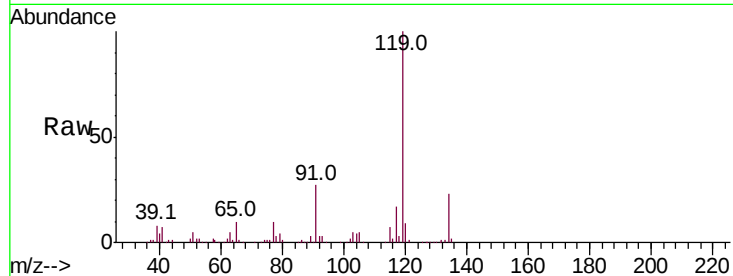
#69
p-Isopropyltoluene
Concen: 0.966 ppbv
RT: 17.81 min Scan# 4627
Delta R.T. 0.00 min
Lab File: VL033258.D
Acq: 8 Mar 2019 14:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion:	119	Resp:	372413
Ion Ratio	Lower	Upper	
119	100		
134	23.8	19.8	29.8
91	30.8	23.9	35.9

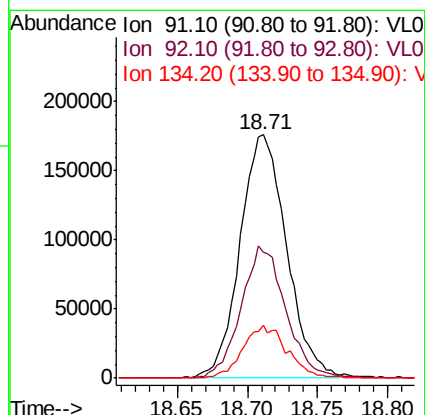
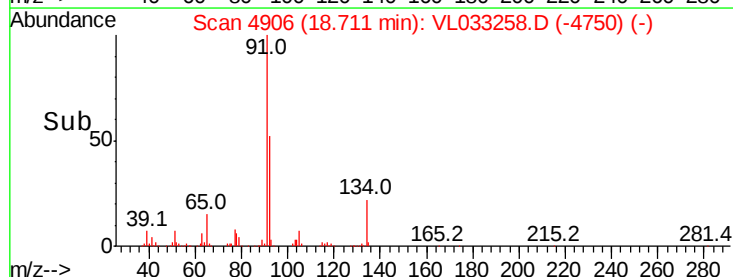
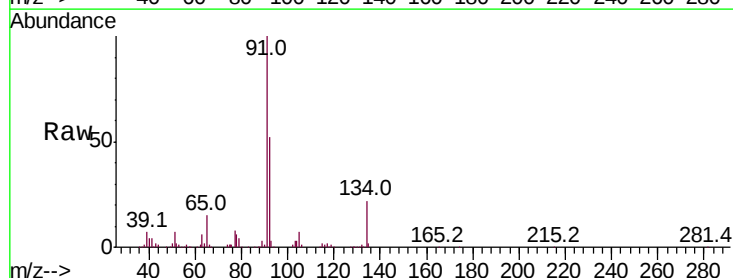
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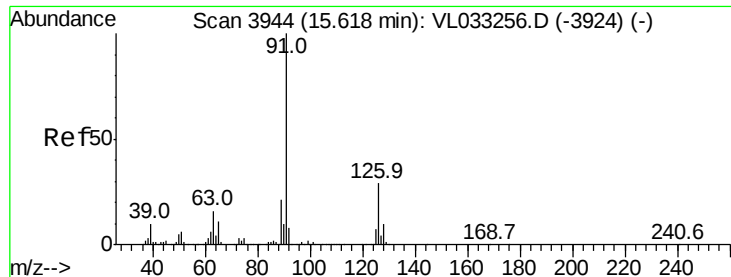
MMDadoda
3/11/2019 10:10:11 AM



#70
n-Butylbenzene
Concen: 0.953 ppbv
RT: 18.71 min Scan# 4906
Delta R.T. 0.00 min
Lab File: VL033258.D
Acq: 8 Mar 2019 14:04

Tgt Ion:	91	Resp:	402137
Ion Ratio	Lower	Upper	
91	100		
92	52.8	42.6	63.8
134	20.9	17.3	25.9





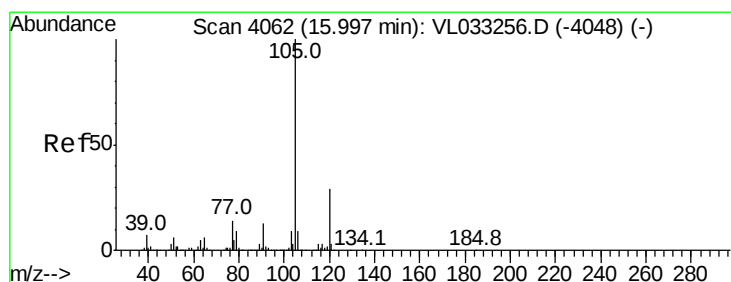
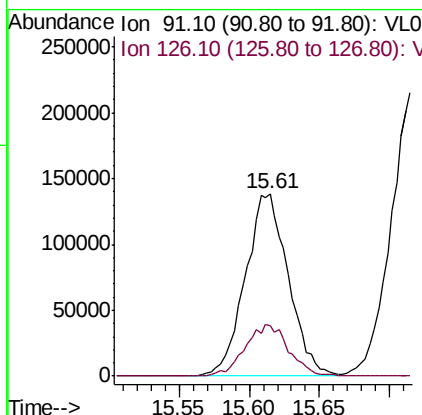
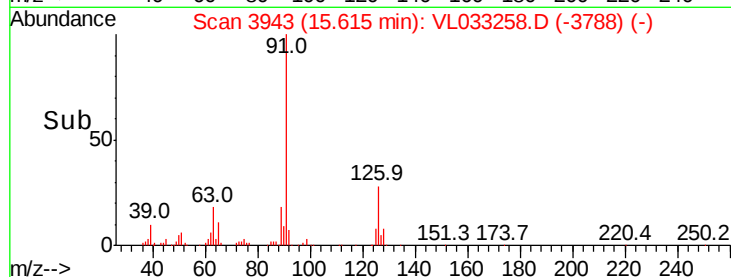
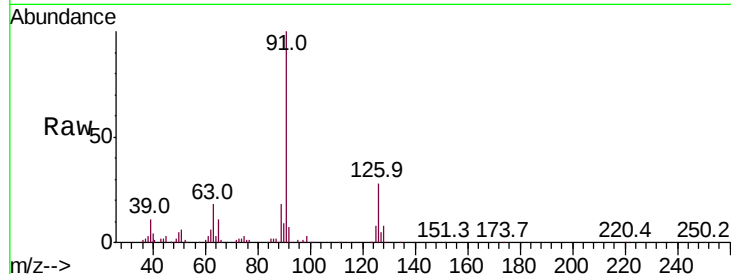
#71
 2-Chlorotoluene
 Concen: 0.988 ppbv
 RT: 15.61 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VL033258.D
 Acq: 8 Mar 2019 14:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion: 91 Resp: 295748
 Ion Ratio Lower Upper
 91 100
 126 28.7 11.7 46.9

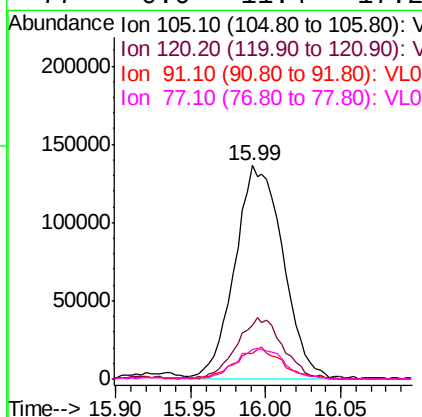
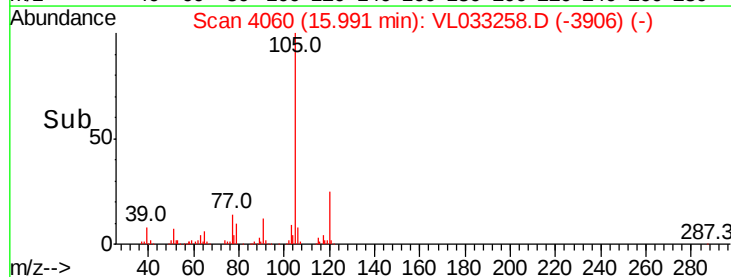
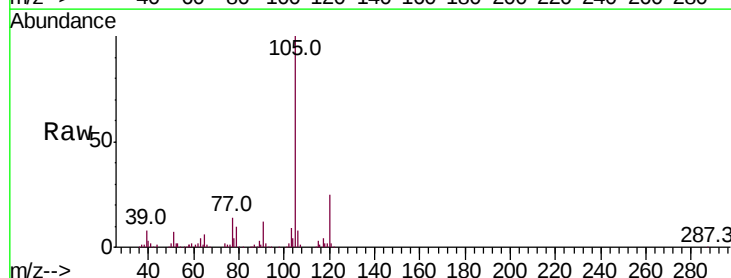
Manual Integrations
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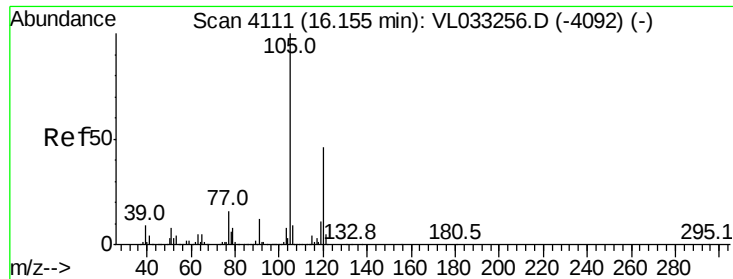
MMDadoda
 3/11/2019 10:10:11 AM



#72
 4-Ethyltoluene
 Concen: 0.993 ppbv m
 RT: 15.99 min Scan# 4060
 Delta R.T. -0.01 min
 Lab File: VL033258.D
 Acq: 8 Mar 2019 14:04

Tgt Ion: 105 Resp: 304634
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.9 34.3#
 91 0.0 10.4 15.6#
 77 0.0 11.4 17.2#





#73

1,3,5-Trimethylbenzene

Concen: 0.950 ppbv

RT: 16.16 min Scan# 4111

Delta R.T. 0.00 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 279845

Ion Ratio Lower Upper

105 100

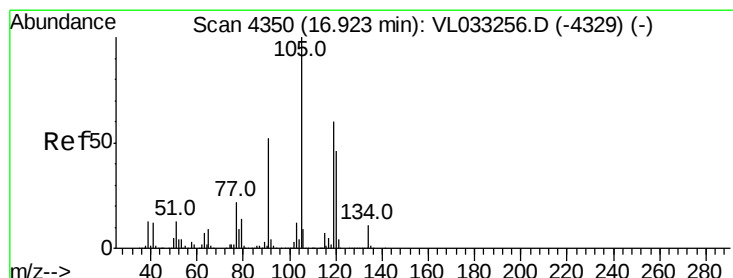
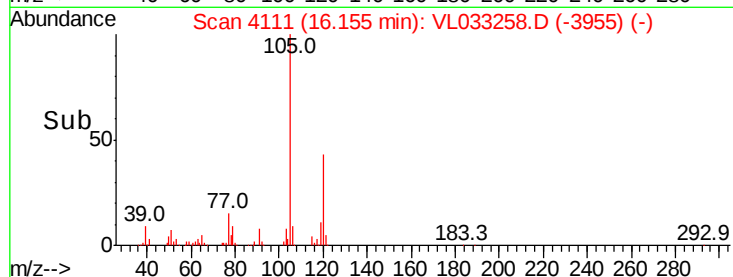
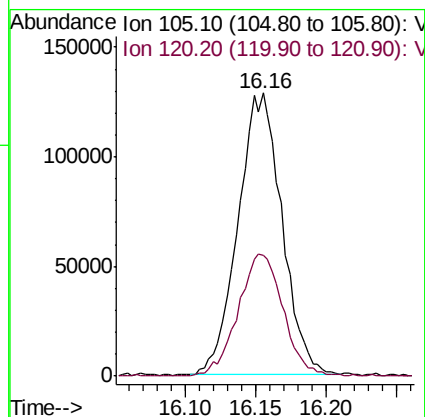
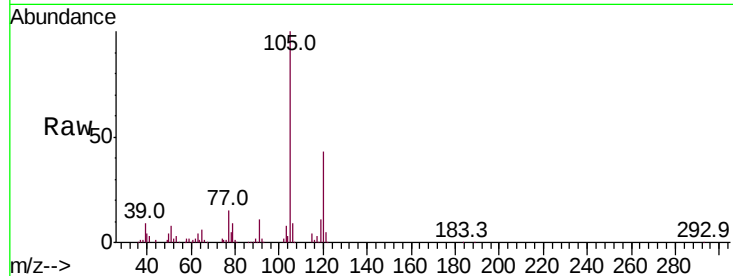
120 42.5 36.6 55.0

Manual Integrations

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#74

1,2,4-Trimethylbenzene

Concen: 0.985 ppbv

RT: 16.92 min Scan# 4349

Delta R.T. -0.00 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Tgt Ion:105 Resp: 305156

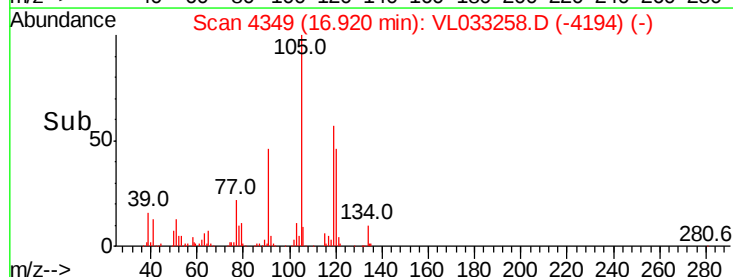
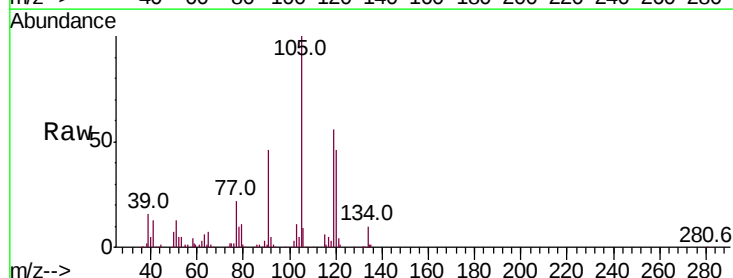
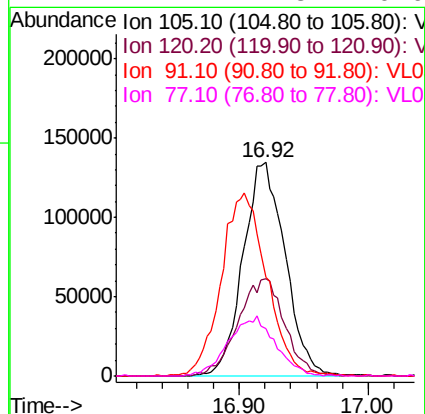
Ion Ratio Lower Upper

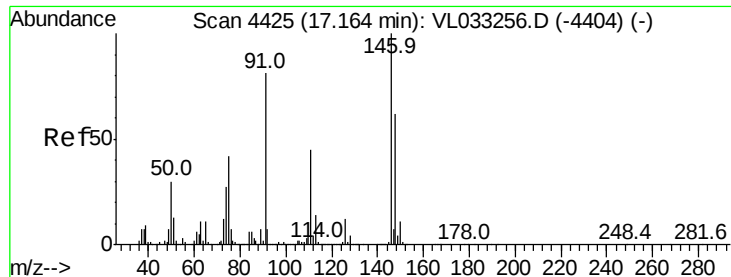
105 100

120 45.8 36.7 55.1

91 45.5 42.1 63.1

77 21.7 17.8 26.6





#75

1,3-Dichlorobenzene

Concen: 1.002 ppbv

RT: 17.16 min Scan# 4423

Delta R.T. -0.01 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Instrument :

MSVOA_L

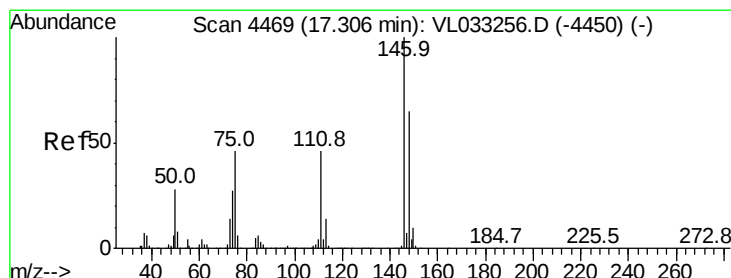
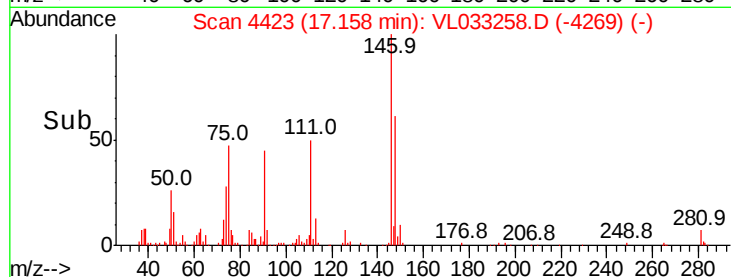
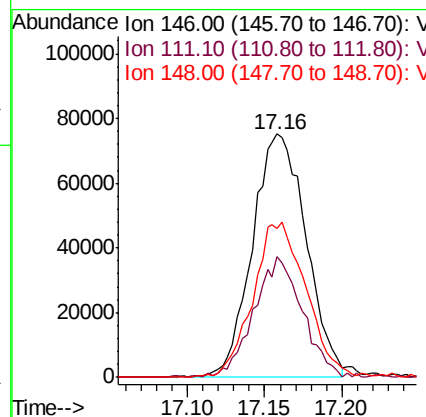
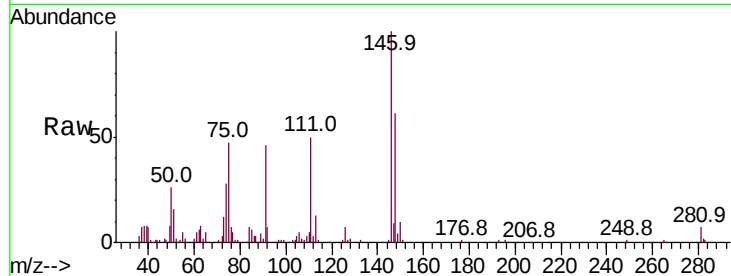
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	181532
Ion Ratio	Lower	Upper	
146	100		
111	45.4	22.9	68.7
148	63.9	31.6	94.7

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 0.963 ppbv

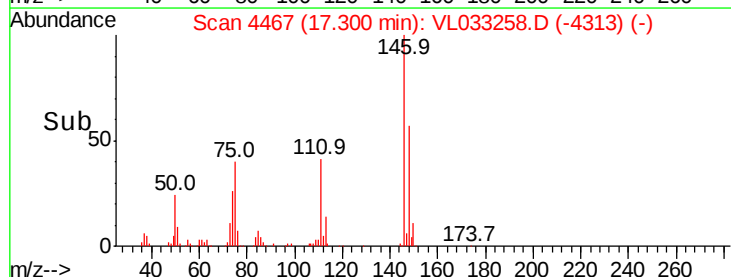
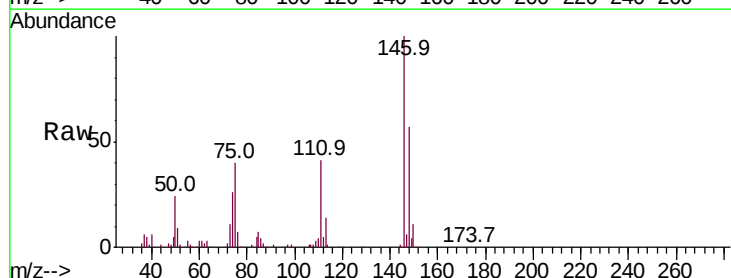
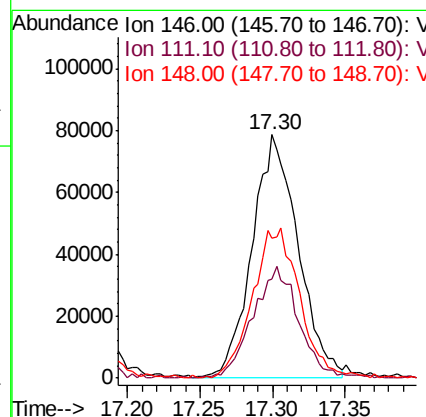
RT: 17.30 min Scan# 4467

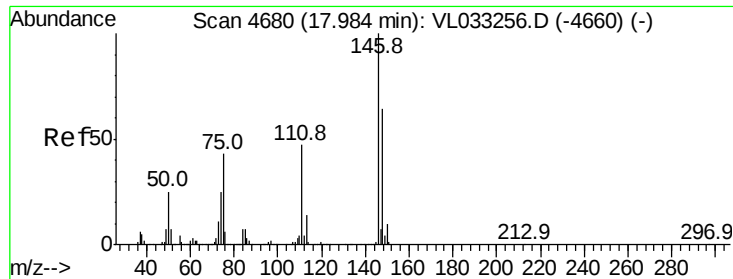
Delta R.T. -0.01 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Tgt Ion:	146	Resp:	172851
Ion Ratio	Lower	Upper	
146	100		
111	46.4	22.6	67.7
148	64.1	32.3	96.9





#77

1,2-Dichlorobenzene

Concen: 0.977 ppbv

RT: 17.98 min Scan# 4679

Delta R.T. -0.00 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Instrument :

MSVOA_L

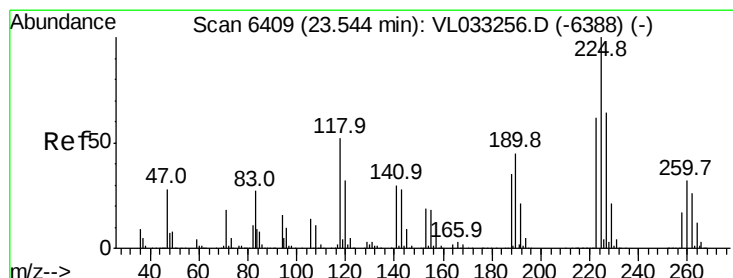
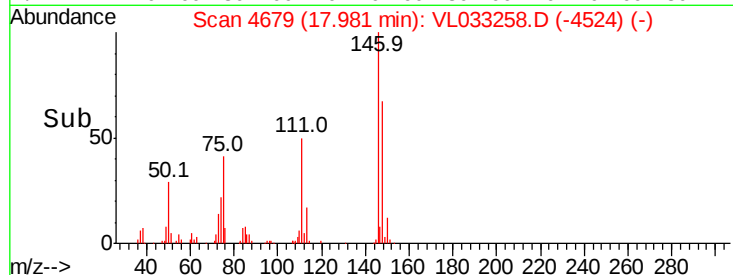
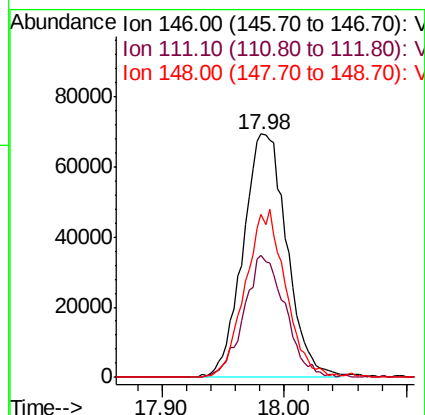
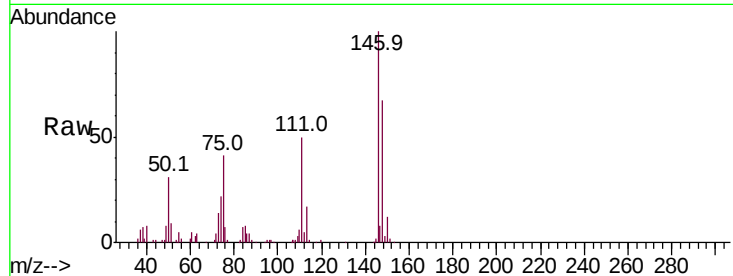
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	171770
Ion Ratio	Lower	Upper	
146	100		
111	47.5	23.8	71.2
148	63.8	32.0	96.2

Manual Integrations
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#78

Hexachloro-1,3-Butadiene

Concen: 1.089 ppbv

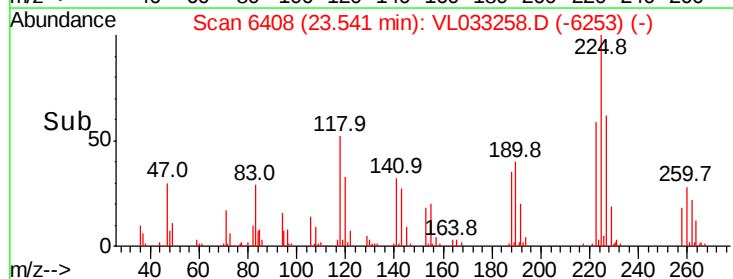
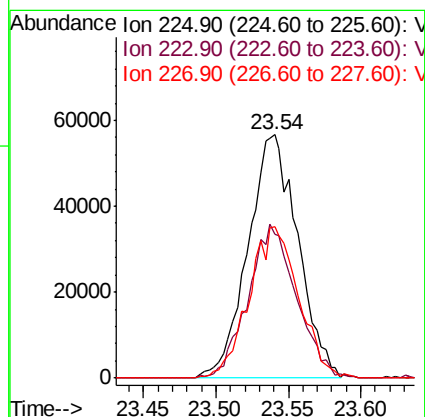
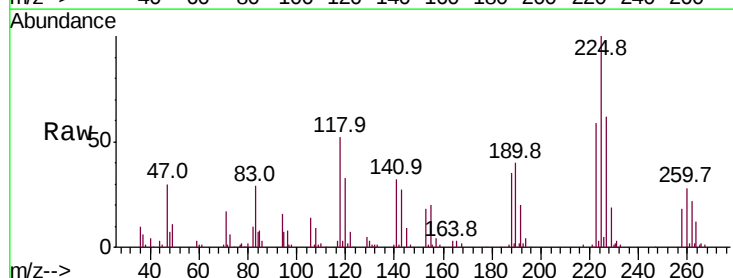
RT: 23.54 min Scan# 6408

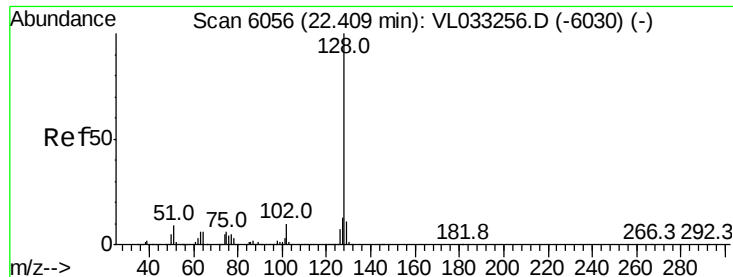
Delta R.T. -0.00 min

Lab File: VL033258.D

Acq: 8 Mar 2019 14:04

Tgt Ion:	225	Resp:	135471
Ion Ratio	Lower	Upper	
225	100		
223	61.1	50.4	75.6
227	62.2	51.4	77.0





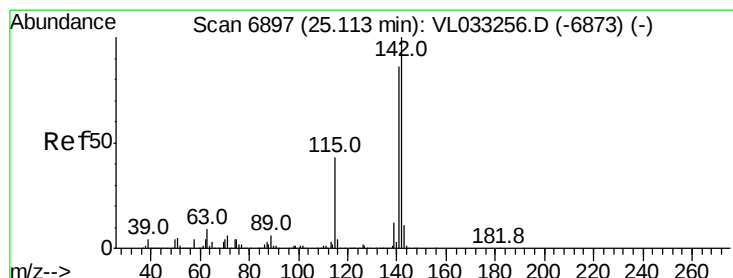
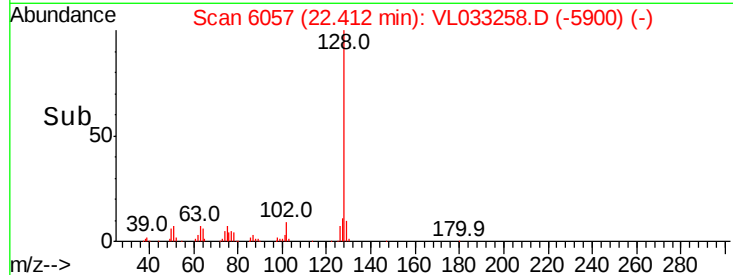
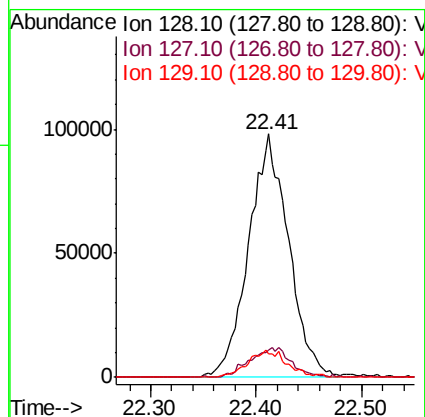
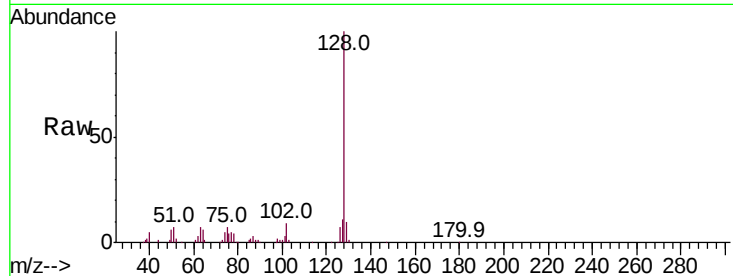
#79
Naphthalene
Concen: 0.683 ppbv
RT: 22.41 min Scan# 6057
Delta R.T. 0.00 min
Lab File: VL033258.D
Acq: 8 Mar 2019 14:04

Instrument :
MSVOA_L
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
128	100	258805		
127	11.0		10.3	15.5
129	9.8		8.6	13.0

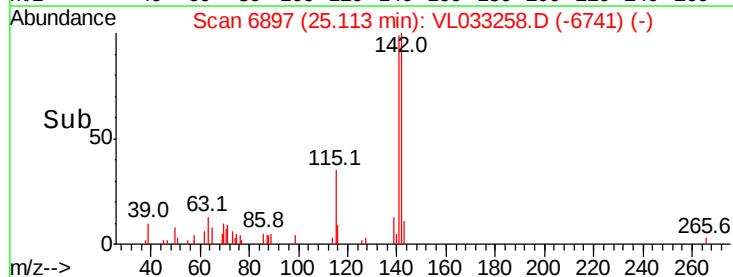
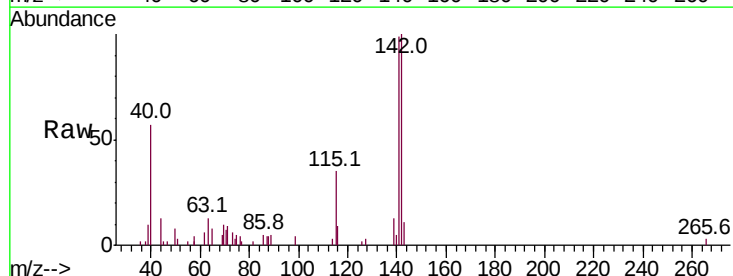
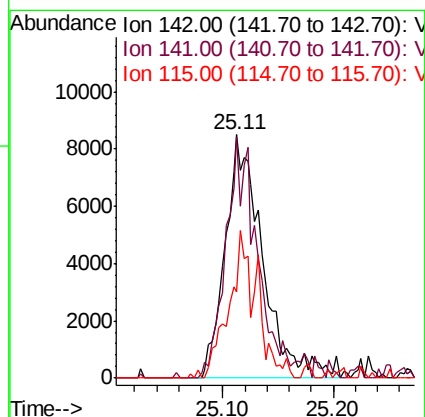
Manual Integrations
APPROVED

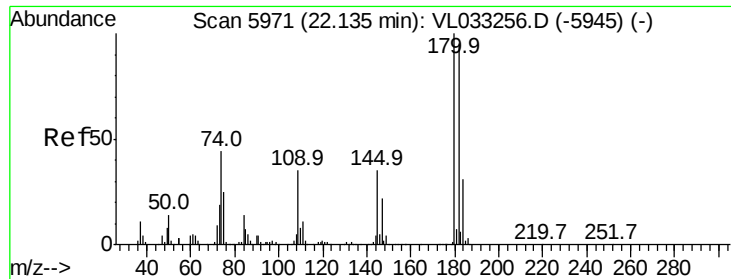
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3/11/2019 10:10:11 AM



#80
Naphthalene, 2-methyl-
Concen: 0.176 ppbv
RT: 25.11 min Scan# 6897
Delta R.T. 0.00 min
Lab File: VL033258.D
Acq: 8 Mar 2019 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	19929		
141	89.4		67.6	101.4
115	47.5		33.9	50.9





#81
 1,2,4-Trichlorobenzene
 Concen: 0.776 ppbv m
 RT: 22.14 min Scan# 5971
 Delta R.T. 0.00 min
 Lab File: VL033258.D
 Acq: 8 Mar 2019 14:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
180	100	147565		
182	0.0	76.3	114.5#	
184	31.5	24.6	36.8	

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 10:10:11 AM

