

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031519\
 Data File : VL033335.D
 Acq On : 15 Mar 2019 17:41
 Operator : SY/AP
 Sample : VL0315ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0315ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 10:02:31 AM

Quant Time: Mar 16 04:06:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 16 04:06:56 2019
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	807082	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	1834021	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2306157	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	1604565	9.39	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.90%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	1043237	7.350	ppbv	100
3) Chlorodifluoromethane	3.01	51	894851	9.660	ppbv	98
4) Chloromethane	3.17	50	464042	9.251	ppbv	96
5) Vinyl Chloride	3.29	62	471760	9.117	ppbv	96
6) Bromomethane	3.52	94	307558	9.999	ppbv	95
7) Chloroethane	3.60	64	182219	10.077	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1161326	9.611	ppbv	98
9) Propene	3.04	41	388956	9.406	ppbv	100
10) Heptane	8.25	43	1028212	10.025	ppbv	100
11) Trichlorofluoromethane	4.01	101	1362065	9.638	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.56	101	870983	9.289	ppbv	98
13) Ethanol	3.65	45	89786	4.554	ppbv	97
14) Bromoethene	3.79	108	383499	9.812	ppbv	100
15) Acetone	3.90	43	881445	7.026	ppbv	100
16) 1,3-Butadiene	3.36	39	378055	9.278	ppbv	96
17) tert-Butyl alcohol	4.36	59	166210	9.414	ppbv	100
18) 1,1-Dichloroethene	4.35	96	399517	9.318	ppbv	99
19) Isopropyl Alcohol	4.03	45	561446	9.408	ppbv	100
20) Methylene Chloride	4.41	84	332386	8.123	ppbv	99
21) Allyl Chloride	4.48	41	608100	9.992	ppbv	100
22) trans-1,2-Dichloroethene	4.97	96	416173	10.016	ppbv	97
23) Vinyl Acetate	5.16	43	1440076	9.920	ppbv	100
24) 1,1-Dichloroethane	5.10	63	1008218	9.617	ppbv	99
25) Ethyl Acetate	5.77	43	1727833	9.474	ppbv	100
26) Hexane	5.79	57	772780	9.478	ppbv	99
27) Carbon Disulfide	4.62	76	995248	10.603	ppbv	100
28) Methyl tert-Butyl Ether	5.12	73	1180560	9.749	ppbv	98
29) Chloroform	5.85	83	1293740	9.691	ppbv	100
30) Cyclohexane	7.25	84	635757	9.726	ppbv	99
31) cis-1,2-Dichloroethene	5.65	61	807948	9.911	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1279660	9.763	ppbv	100
34) 2-Butanone	5.33	43	1130111	9.383	ppbv	98
35) Carbon Tetrachloride	7.14	117	1354523	10.476	ppbv	98
36) Benzene	7.01	78	1606728	9.789	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1015426	9.784	ppbv	99
38) Trichloroethene	7.97	130	613200	9.873	ppbv	99
39) 1,2-Dichloropropane	7.74	63	612547	9.965	ppbv	100
40) 1,4-Dioxane	7.96	88	207950	9.607	ppbv	97
41) Tetrahydrofuran	6.15	42	656811	10.219	ppbv	100
42) Bromodichloromethane	7.92	83	1437520	10.331	ppbv	97
43) Methyl Methacrylate	8.14	69	662714	10.370	ppbv	99

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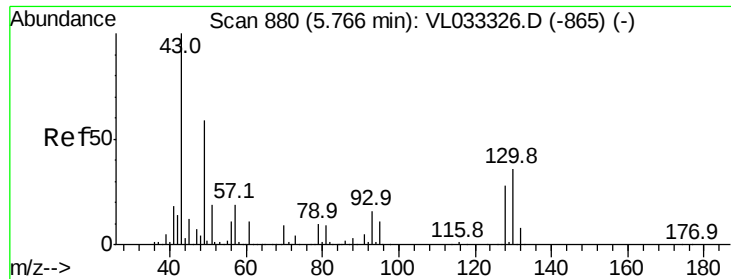
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 16 04:06:56 2019
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	2712960	9.979	ppbv	100
45) t-1,3-Dichloropropene	9.43	75	911579	11.553	ppbv	99
46) cis-1,3-Dichloropropene	8.85	75	1025280	11.035	ppbv	96
47) 1,1,2-Trichloroethane	9.62	97	670956	9.880	ppbv	95
48) Dibromochloromethane	10.46	129	1226355	10.767	ppbv	99
49) Bromoform	13.21	173	1239338	11.471	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	1691016	9.939	ppbv	100
51) 2-Hexanone	10.28	43	1338106	10.195	ppbv #	100
52) Tetrachloroethene	11.38	164	689799	10.088	ppbv	97
53) Toluene	9.96	91	1927058	10.333	ppbv	99
54) 1,2-Dibromoethane	10.77	107	1218062	10.610	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.29	131	976073	9.461	ppbv #	93
57) Chlorobenzene	12.31	112	1625056	8.897	ppbv	99
58) Ethyl Benzene	12.87	91	3076527	9.430	ppbv	99
59) m/p-Xylene	13.16	91	5171523m	18.446	ppbv	
60) o-Xylene	13.86	91	2557654	9.351	ppbv	100
61) Styrene	13.70	104	1895460	9.898	ppbv	99
62) Isopropylbenzene	14.84	105	3545642	9.324	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.85	83	1756813	8.885	ppbv	100
64) n-propylbenzene	15.73	120	899895	9.352	ppbv	98
65) tert-Butylbenzene	16.92	119	3208056	9.371	ppbv	99
66) Benzyl Chloride	17.17	91	1739134	12.293	ppbv	100
67) sec-Butylbenzene	17.47	105	4555104	9.390	ppbv	100
69) p-Isopropyltoluene	17.83	119	3764391	9.498	ppbv	99
70) n-Butylbenzene	18.73	91	3994831	9.453	ppbv	100
71) 2-Chlorotoluene	15.63	91	2762976	9.334	ppbv	100
72) 4-Ethyltoluene	16.01	105	2961476	9.534	ppbv	100
73) 1,3,5-Trimethylbenzene	16.17	105	2827926	9.346	ppbv	97
74) 1,2,4-Trimethylbenzene	16.94	105	2944466	9.188	ppbv	98
75) 1,3-Dichlorobenzene	17.17	146	1693275	8.965	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	1689388	9.238	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	1652671	9.239	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	864721	8.062	ppbv	99
79) Naphthalene	22.42	128	2895654	9.376	ppbv	99
80) Naphthalene, 2-methyl-	25.12	142	1487051	10.155	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	1447387	9.191	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

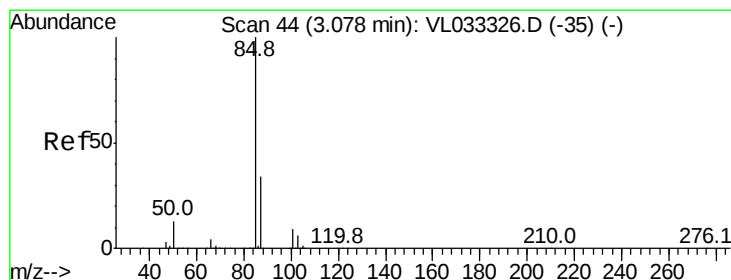
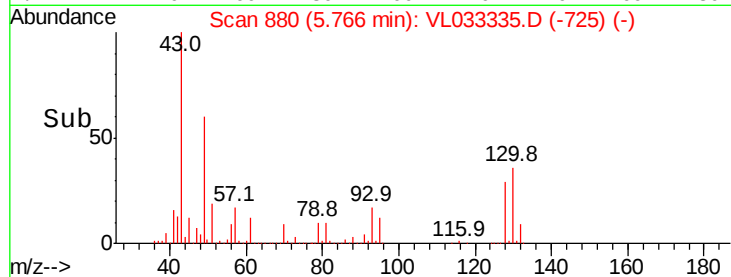
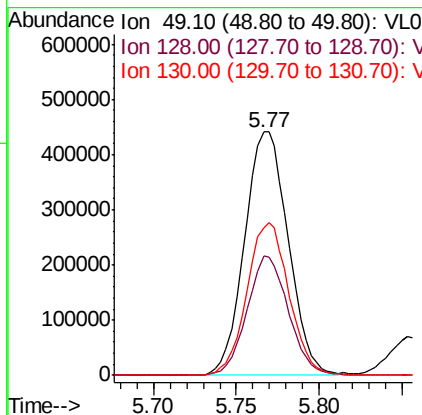
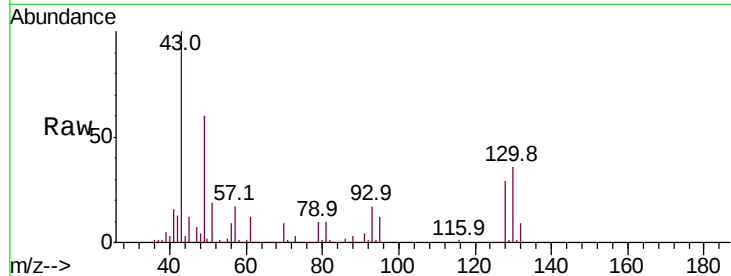
ClientSampleId :

VL0315ABS01

Tot Ion:	49	Resp:	807082
Ion	Ratio	Lower	Upper
49	100		
128	46.7	23.5	70.6
130	60.8	30.1	90.3

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#2

Dichlorodifluoromethane

Concen: 7.350 ppbv

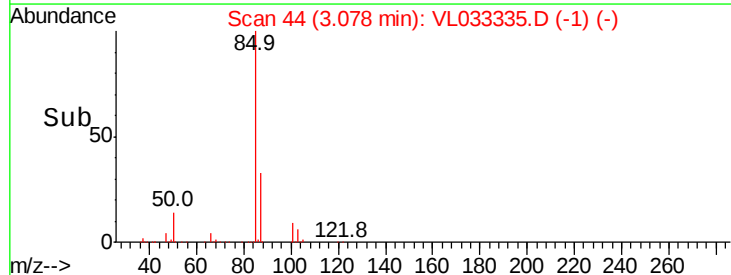
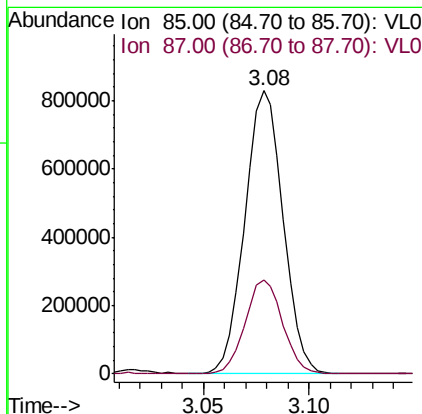
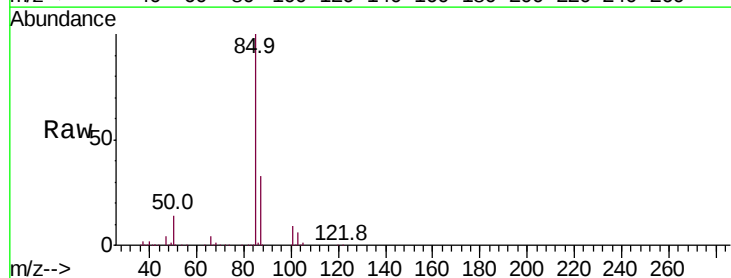
RT: 3.08 min Scan# 44

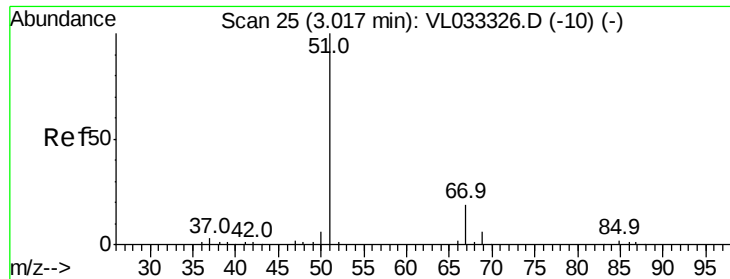
Delta R.T. -0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Tgt Ion:	85	Resp:	1043237
Ion	Ratio	Lower	Upper
85	100		
87	33.5	26.9	40.3





#3

Chlorodifluoromethane

Concen: 9.660 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

ClientSampleId :

VL0315ABS01

Tot Ion: 51 Resp: 894851

Ion Ratio Lower Upper

51 100

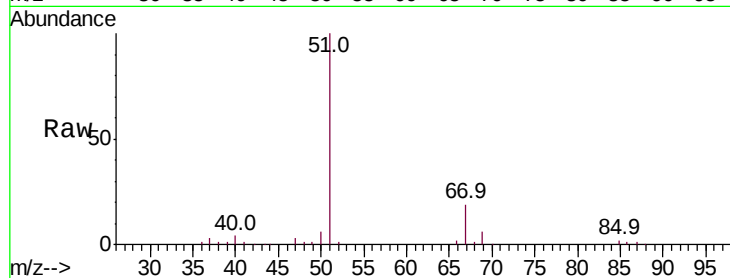
67 19.4 14.9 22.3

Manual Integrations

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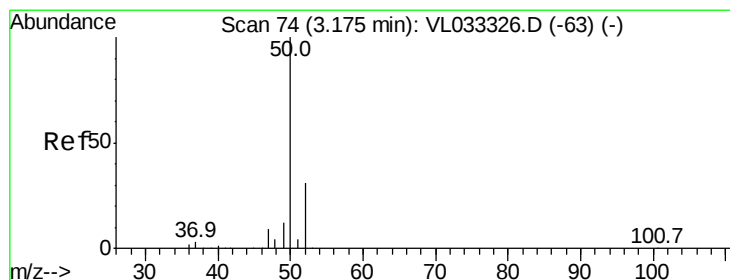
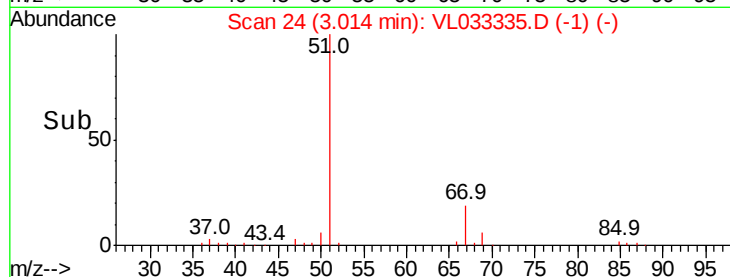
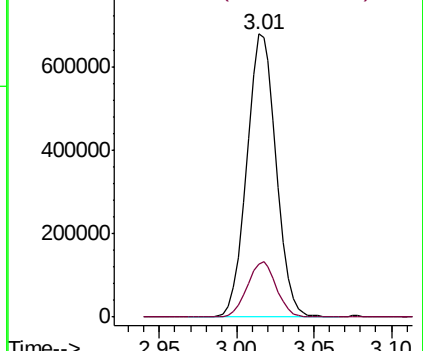
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.251 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL033335.D

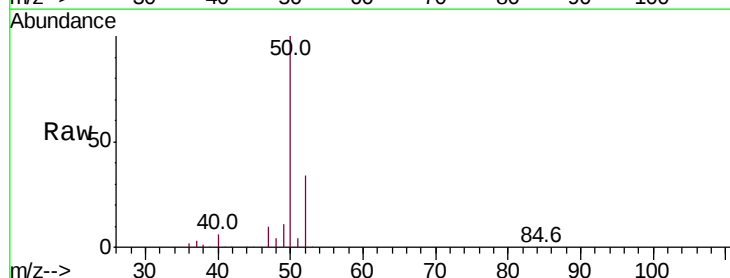
Acq: 15 Mar 2019 17:41

Tgt Ion: 50 Resp: 464042

Ion Ratio Lower Upper

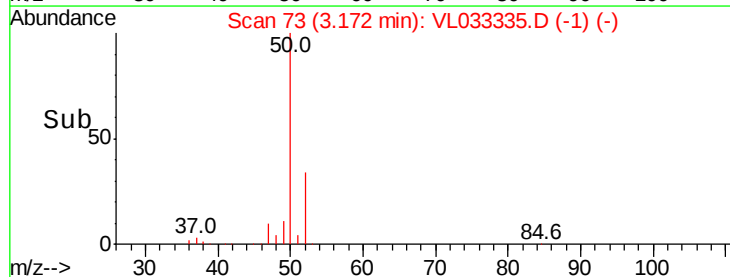
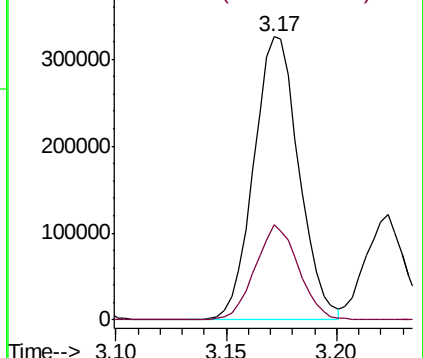
50 100

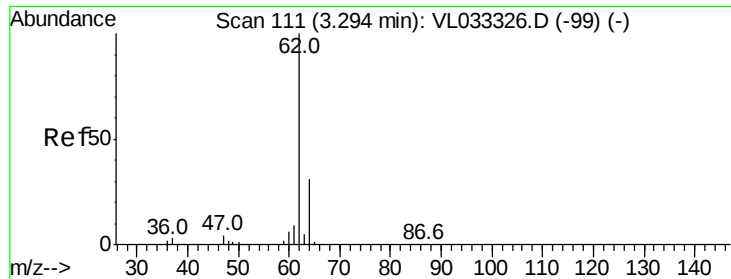
52 33.8 25.0 37.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.117 ppbv

RT: 3.29 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

ClientSampleId :

VL0315ABS01

Tot Ion: 62 Resp: 471760

Ion Ratio Lower Upper

62 100

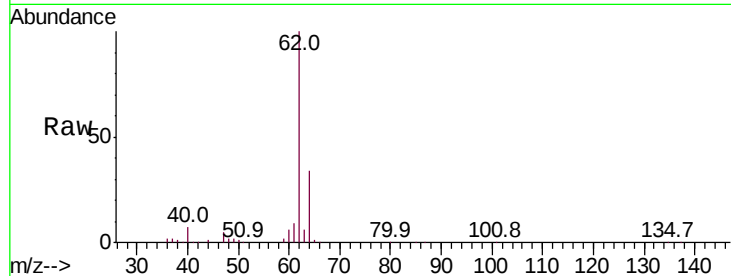
64 33.5 25.0 37.6

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

400000

300000

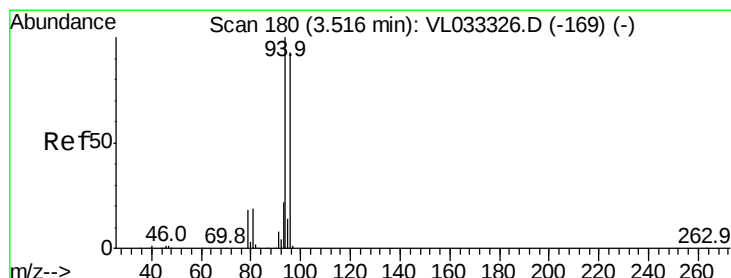
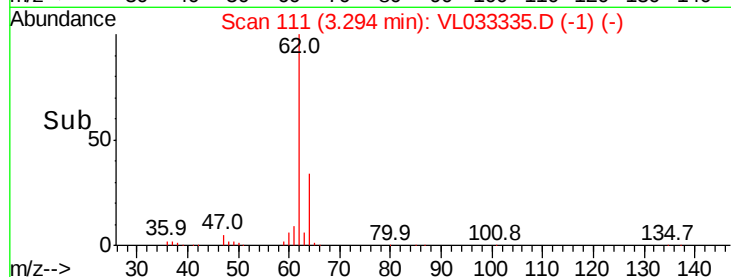
200000

100000

0

3.25 3.30 3.35

Time-->



#6

Bromomethane

Concen: 9.999 ppbv

RT: 3.52 min Scan# 181

Delta R.T. 0.00 min

Lab File: VL033335.D

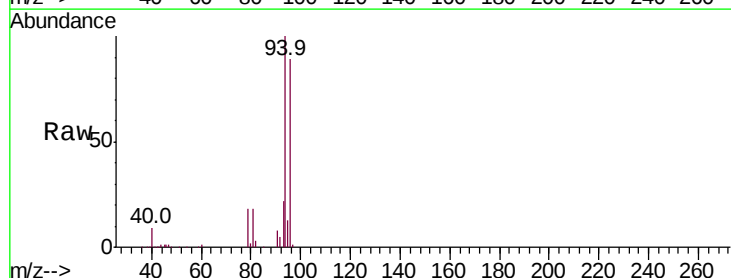
Acq: 15 Mar 2019 17:41

Tgt Ion: 94 Resp: 307558

Ion Ratio Lower Upper

94 100

96 88.4 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

250000

200000

150000

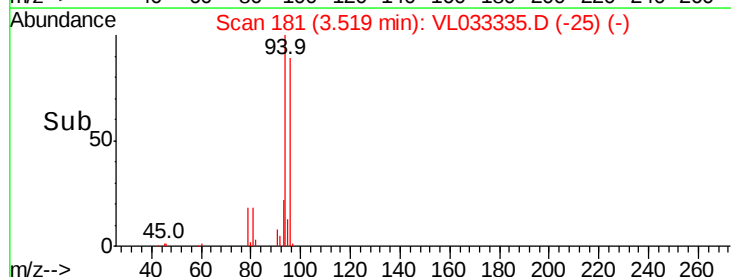
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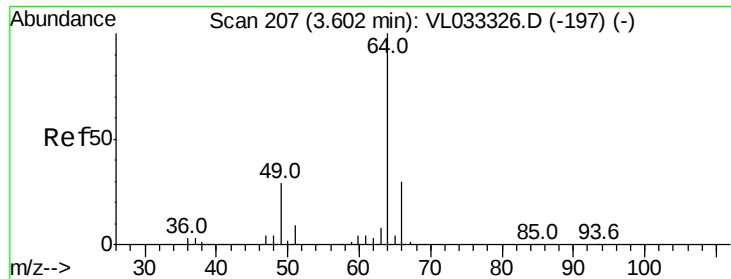
50000

0

3.45 3.50 3.55

Time-->





#7

Chloroethane

Concen: 10.077 ppbv

RT: 3.60 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

ClientSampleId :

VL0315ABS01

Tot Ion: 64 Resp: 182219

Ion Ratio Lower Upper

64 100

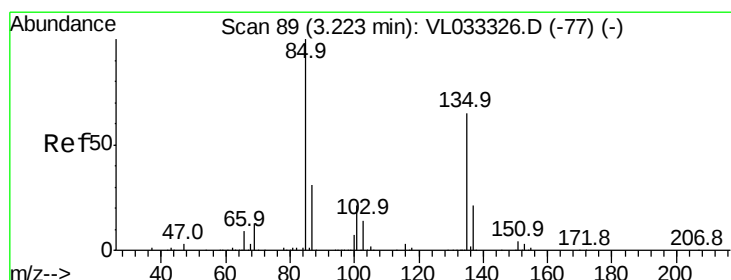
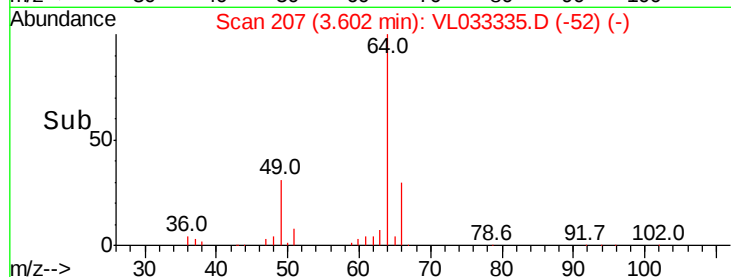
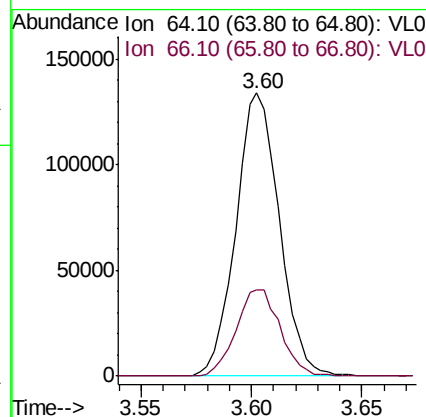
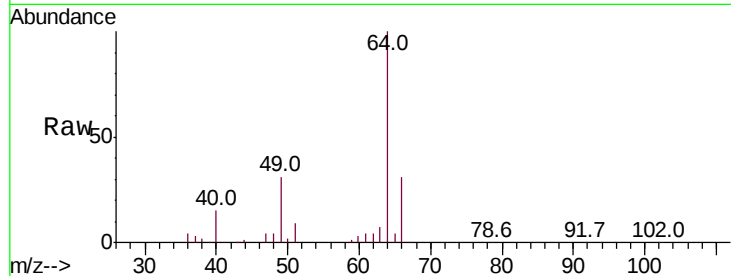
66 30.5 24.0 36.0

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#8

Dichlorotetrafluoroethane

Concen: 9.611 ppbv

RT: 3.22 min Scan# 89

Delta R.T. -0.00 min

Lab File: VL033335.D

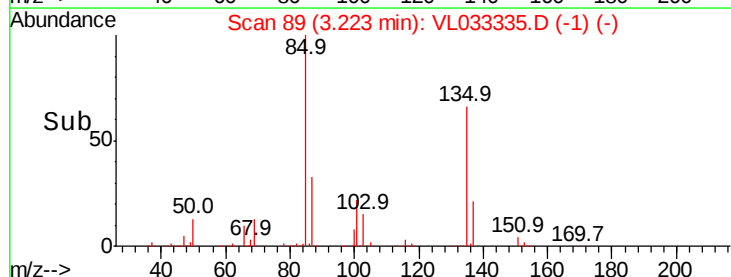
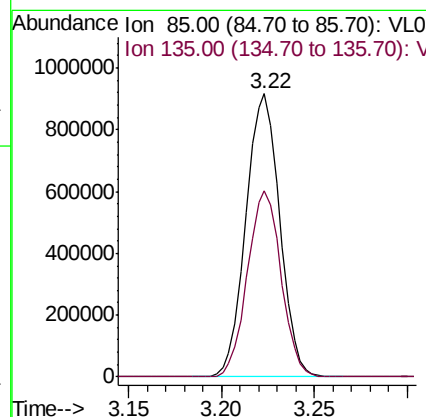
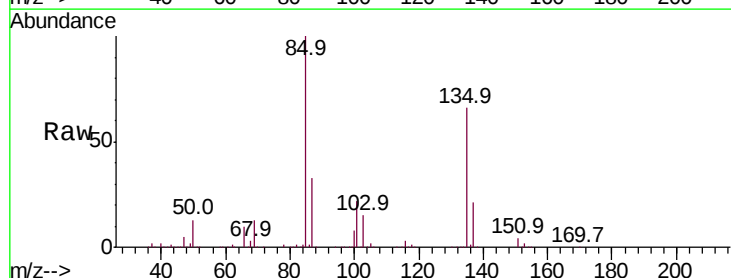
Acq: 15 Mar 2019 17:41

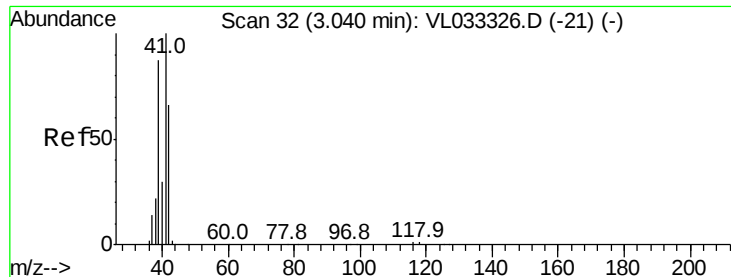
Tgt Ion: 85 Resp: 1161326

Ion Ratio Lower Upper

85 100

135 65.5 53.4 80.2





#9

Propene

Concen: 9.406 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

ClientSampleId :

VL0315ABS01

Tot Ion: 41 Resp: 388956

Ion Ratio Lower Upper

41 100

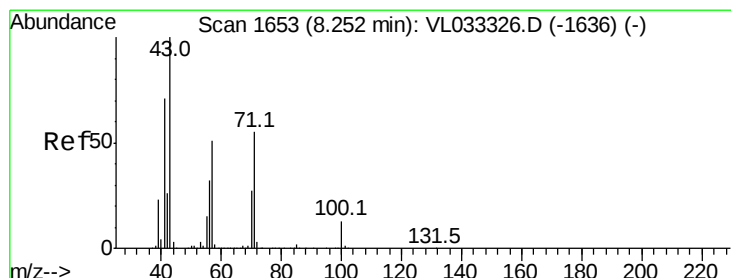
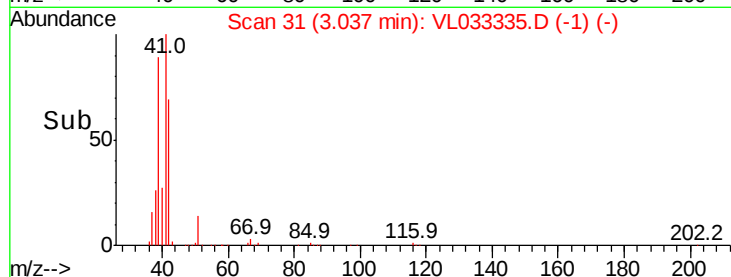
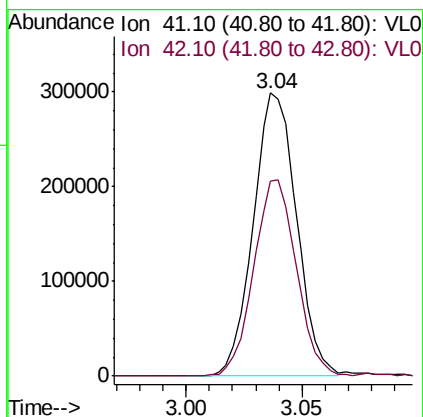
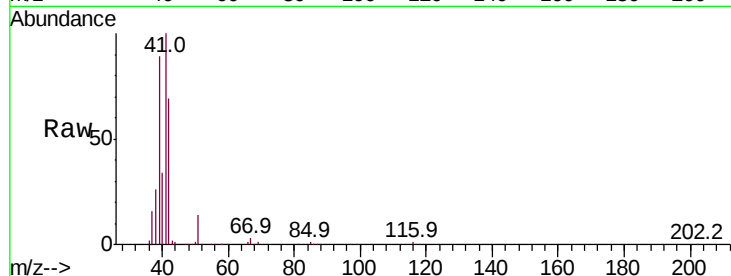
42 69.2 55.2 82.8

Manual Integrations

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#10

Heptane

Concen: 10.025 ppbv

RT: 8.25 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VL033335.D

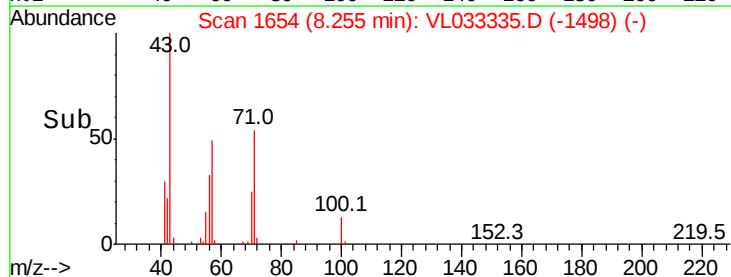
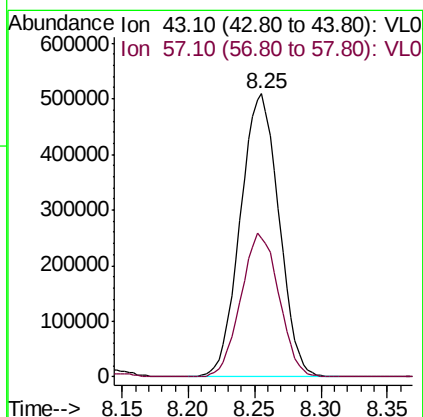
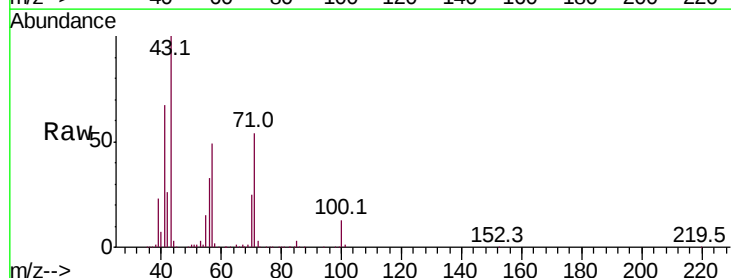
Acq: 15 Mar 2019 17:41

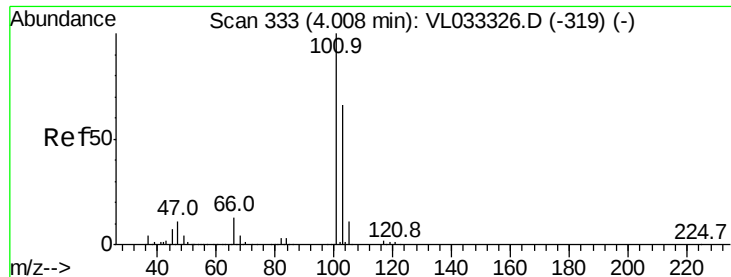
Tgt Ion: 43 Resp: 1028212

Ion Ratio Lower Upper

43 100

57 50.2 40.4 60.6





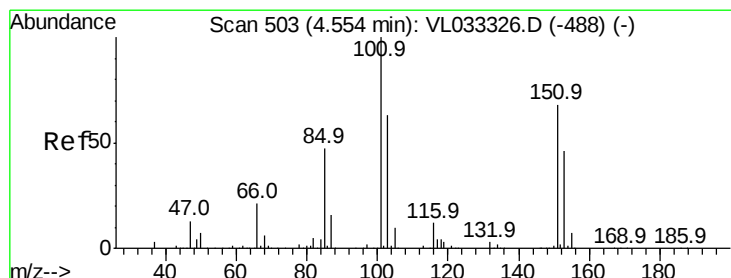
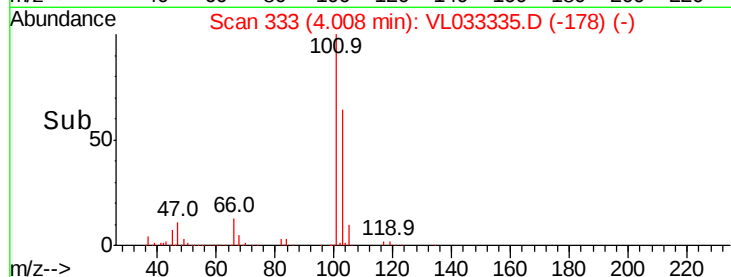
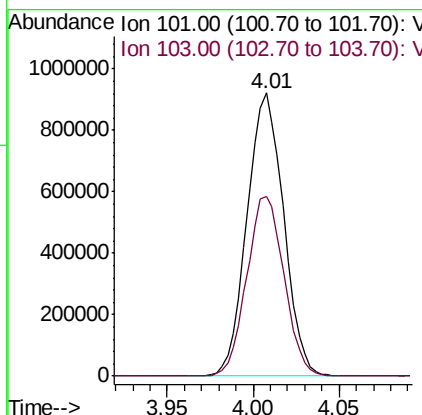
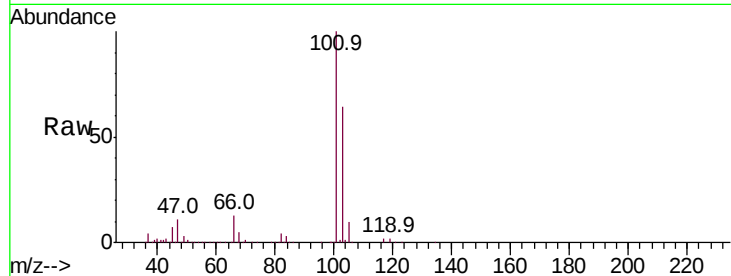
#11
 Trichlorofluoromethane
 Concen: 9.638 ppbv
 RT: 4.01 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0315ABS01

Tot Ion:101 Resp: 1362065
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.9 79.3

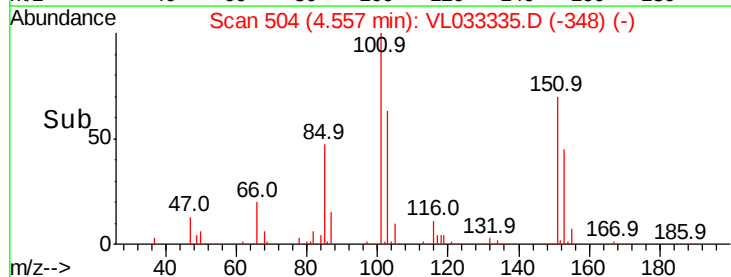
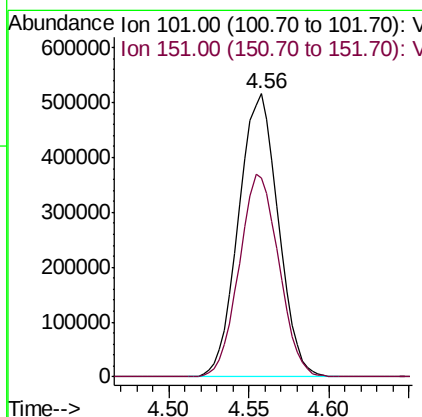
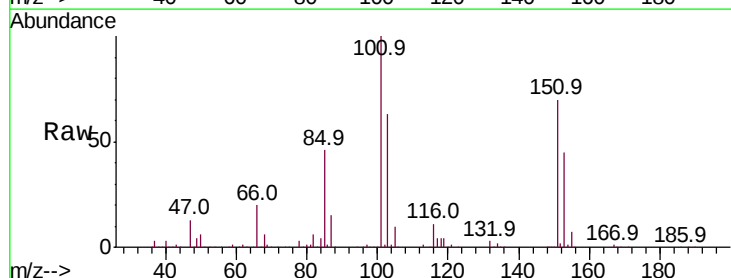
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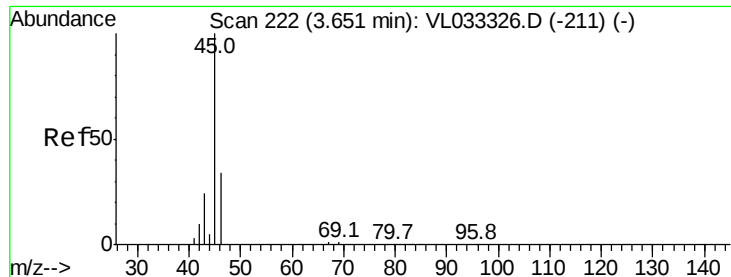
MMDadoda
 3/19/2019 10:02:31 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.289 ppbv
 RT: 4.56 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

Tgt Ion:101 Resp: 870983
 Ion Ratio Lower Upper
 101 100
 151 71.9 56.3 84.5





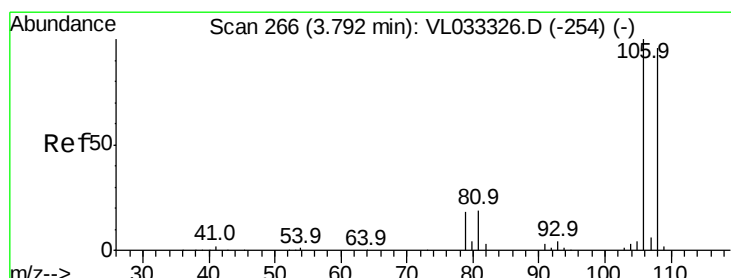
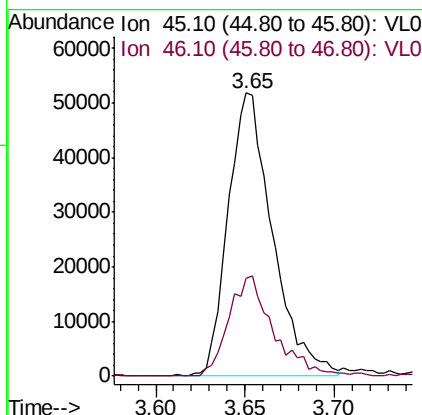
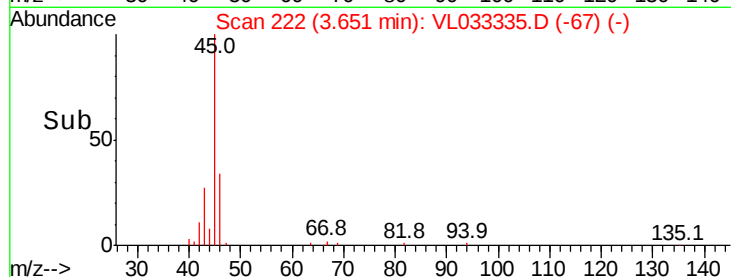
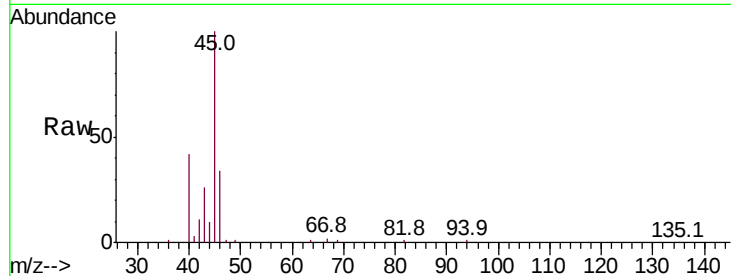
#13
Ethanol
Concen: 4.554 ppbv
RT: 3.65 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Instrument :
MSVOA_L
ClientSampleId :
VL0315ABS01

Tot Ion: 45 Resp: 89786
Ion Ratio Lower Upper
45 100
46 35.7 14.9 59.7

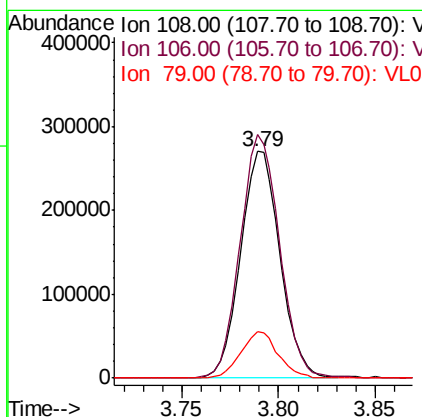
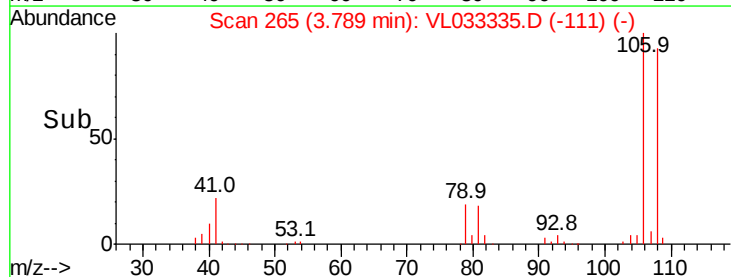
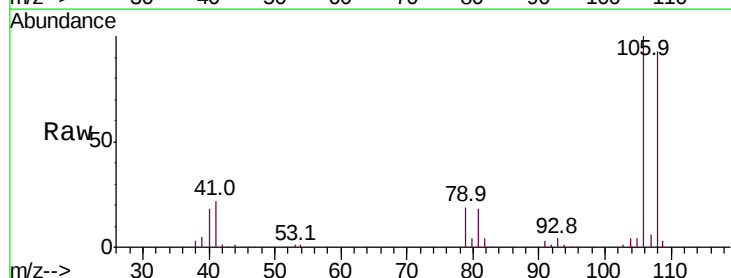
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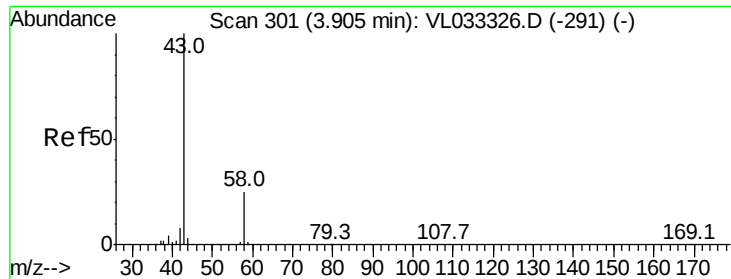
MMDadoda
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#14
Bromoethene
Concen: 9.812 ppbv
RT: 3.79 min Scan# 265
Delta R.T. -0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Tgt Ion: 108 Resp: 383499
Ion Ratio Lower Upper
108 100
106 107.9 86.2 129.2
79 19.7 15.4 23.2





#15

Acetone

Concen: 7.026 ppbv

RT: 3.90 min Scan# 301

Delta R.T. -0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

ClientSampleId :

VL0315ABS01

Tot Ion: 43 Resp: 881445

Ion Ratio Lower Upper

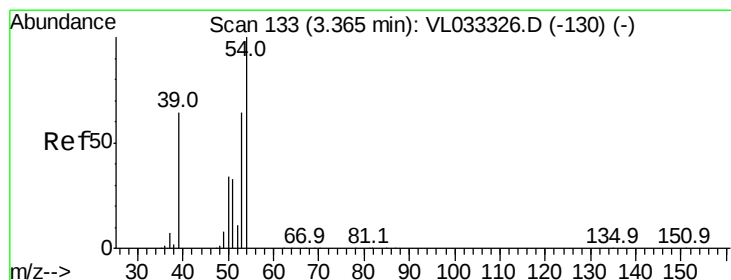
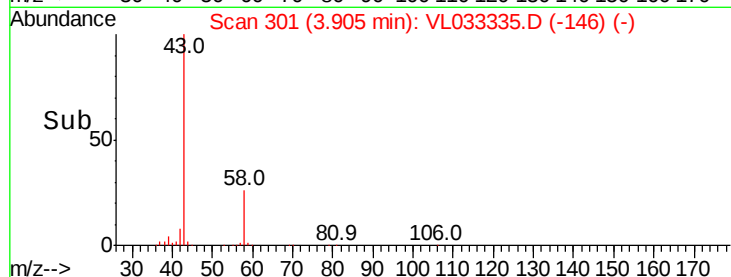
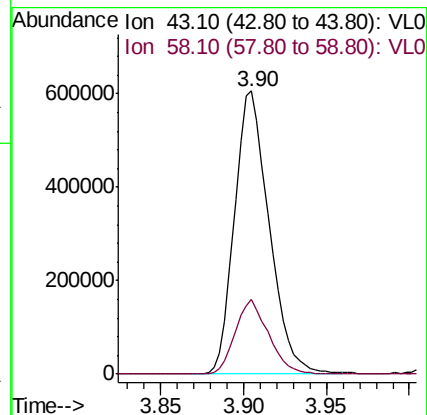
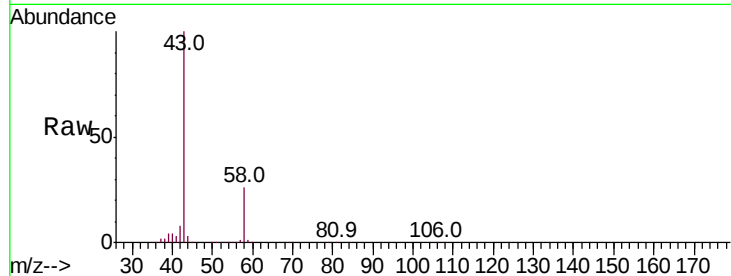
43 100

58 25.7 20.4 30.6

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#16

1,3-Butadiene

Concen: 9.278 ppbv

RT: 3.36 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL033335.D

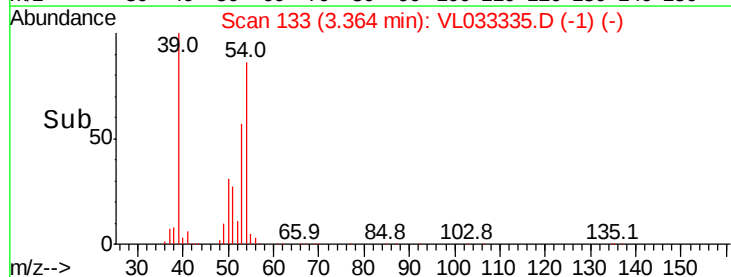
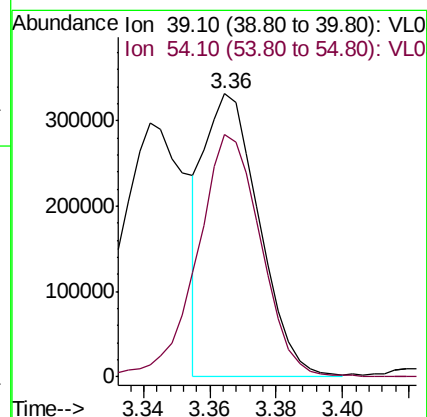
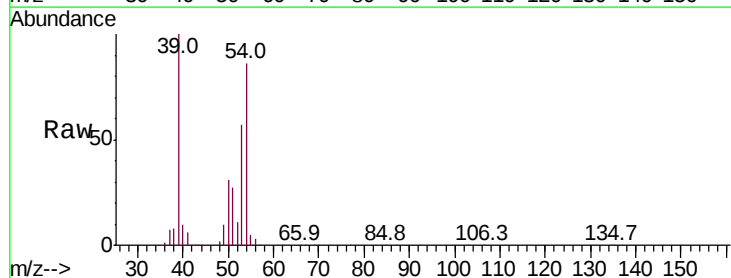
Acq: 15 Mar 2019 17:41

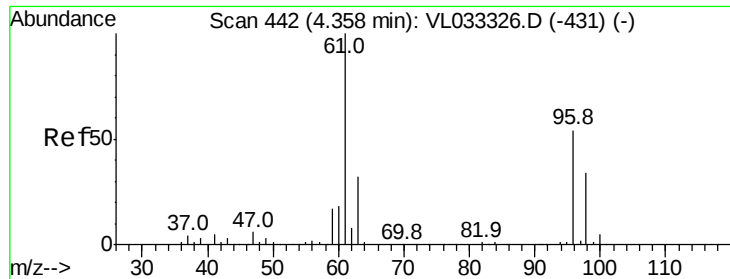
Tgt Ion: 39 Resp: 378055

Ion Ratio Lower Upper

39 100

54 100.4 76.8 115.2





#17

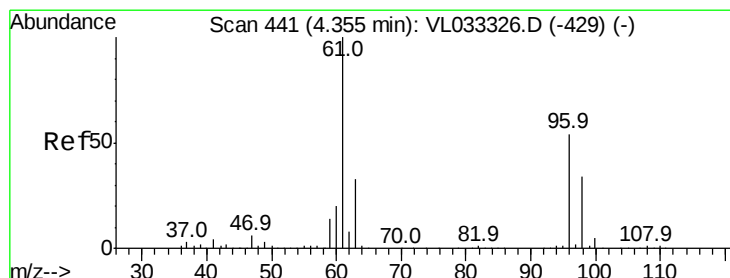
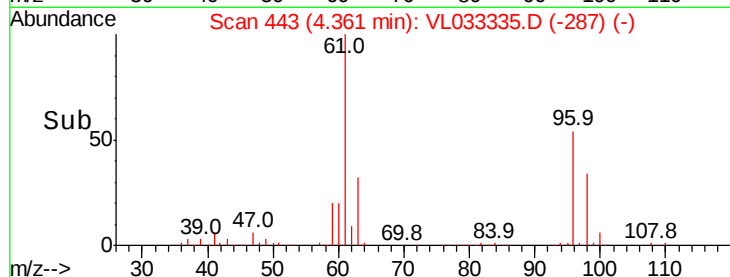
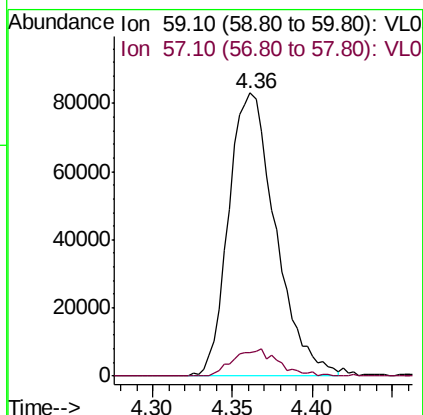
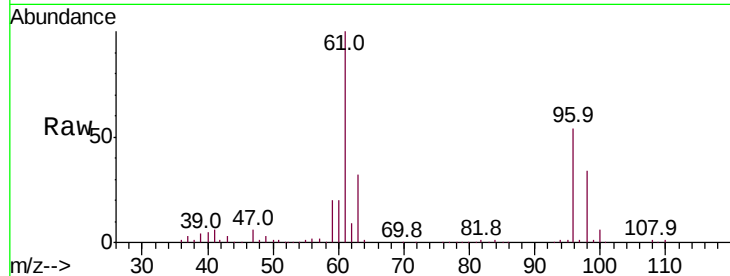
tert-Butyl alcohol
Concen: 9.414 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Instrument :
MSVOA_L
ClientSampleId :
VL0315ABS01

Tot Ion: 59 Resp: 166210
Ion Ratio Lower Upper
59 100
57 9.4 7.7 11.5

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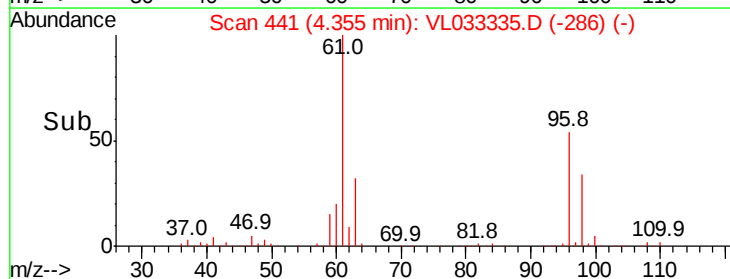
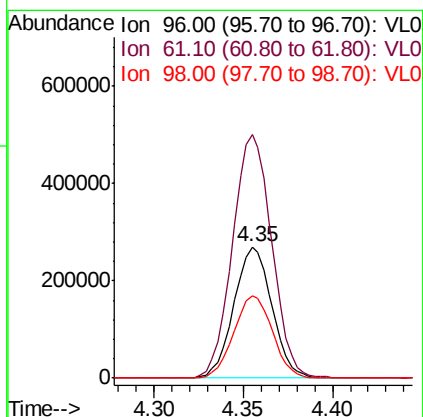
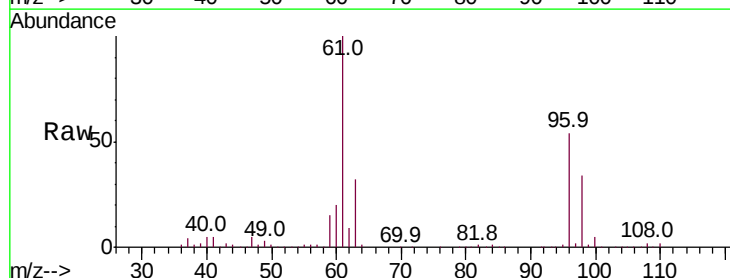
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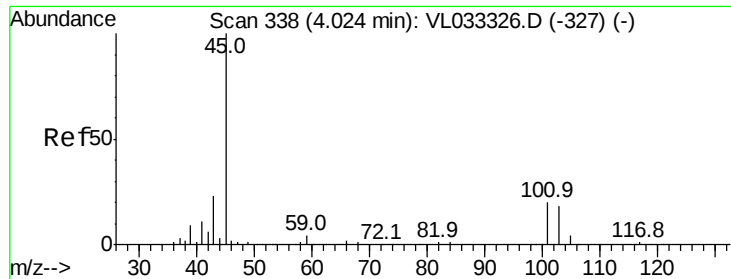


#18

1,1-Dichloroethene
Concen: 9.318 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Tgt Ion: 96 Resp: 399517
Ion Ratio Lower Upper
96 100
61 184.6 148.6 222.8
98 63.0 50.3 75.5





#19

Isopropyl Alcohol

Concen: 9.408 ppbv

RT: 4.03 min Scan# 339

Delta R.T. 0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Tot Ion: 45 Resp: 561446

Ion Ratio Lower Upper

45 100

58 2.0 1.5 2.3

Instrument :

MSVOA_L

ClientSampleId :

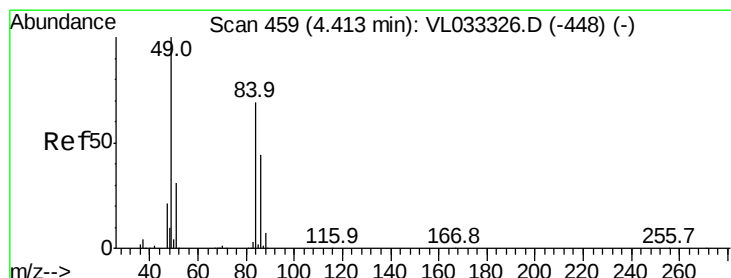
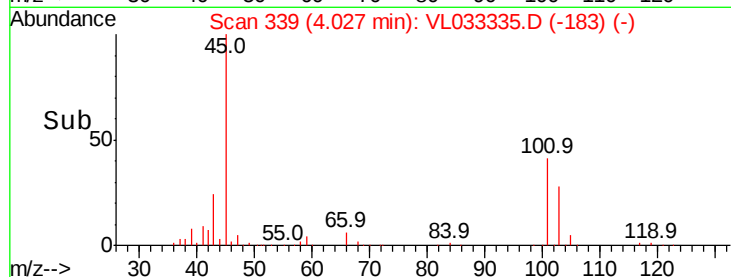
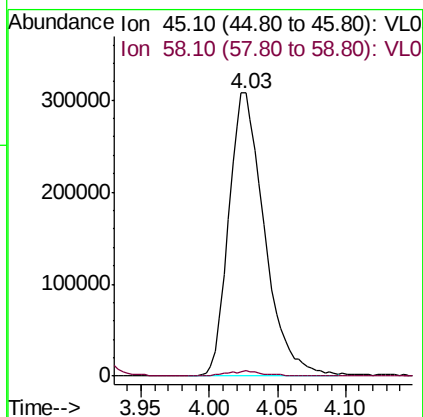
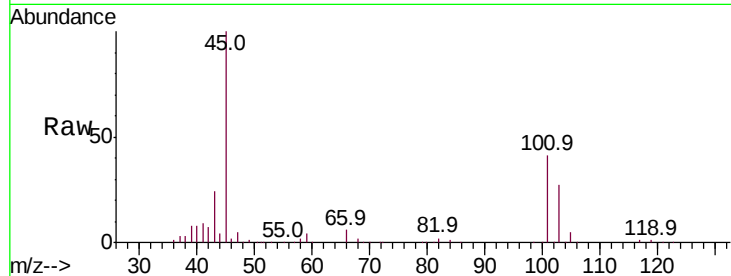
VL0315ABS01

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#20

Methylene Chloride

Concen: 8.123 ppbv

RT: 4.41 min Scan# 459

Delta R.T. -0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Tgt Ion: 84 Resp: 332386

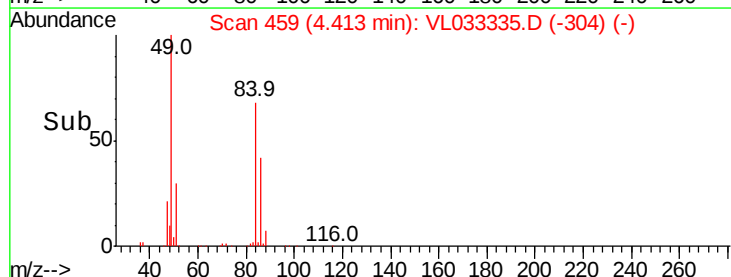
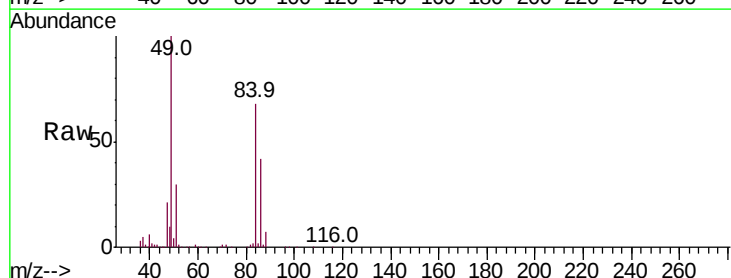
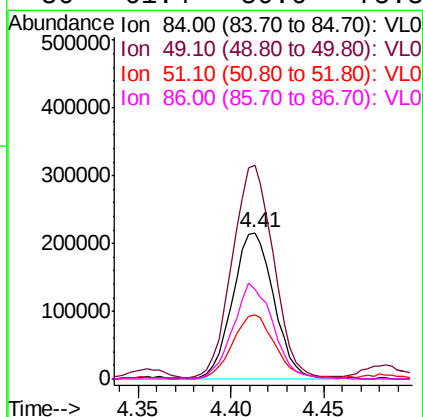
Ion Ratio Lower Upper

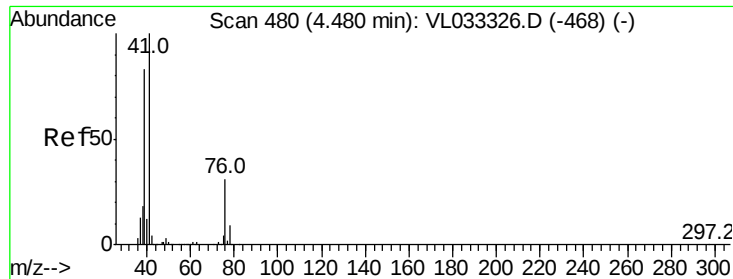
84 100

49 145.1 115.4 173.0

51 43.7 35.8 53.6

86 61.4 50.6 75.8





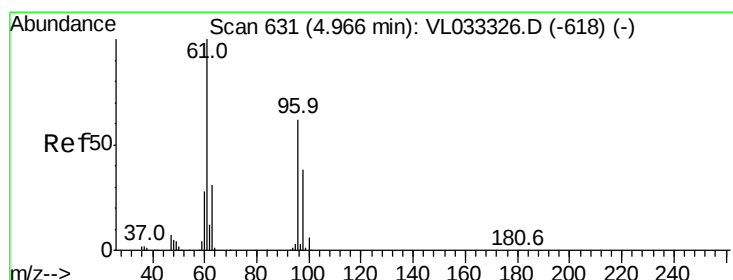
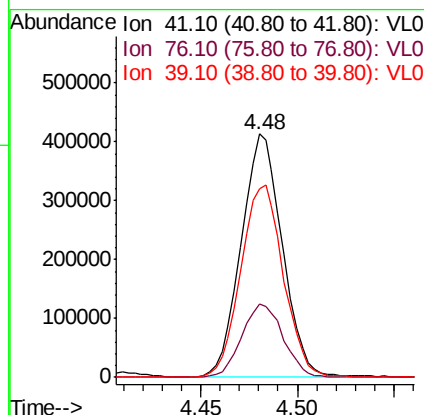
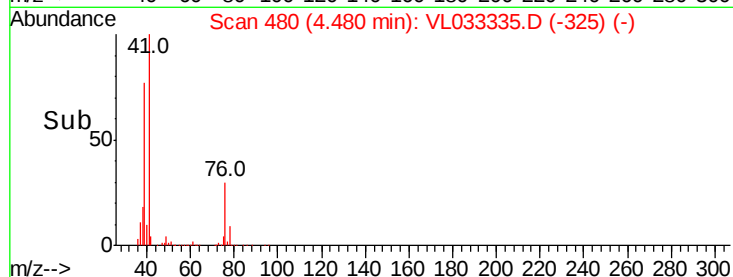
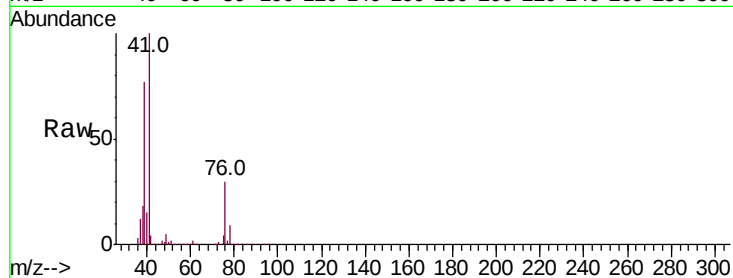
#21
Allvl Chloride
Concen: 9.992 ppbv
RT: 4.48 min Scan# 480
Delta R.T. -0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Instrument :
MSVOA_L
ClientSampleId :
VL0315ABS01

Tot Ion	Ratio	Resp	Lower	Upper
41	100	608100		
76	30.7	25.0	37.4	
39	82.5	65.9	98.9	

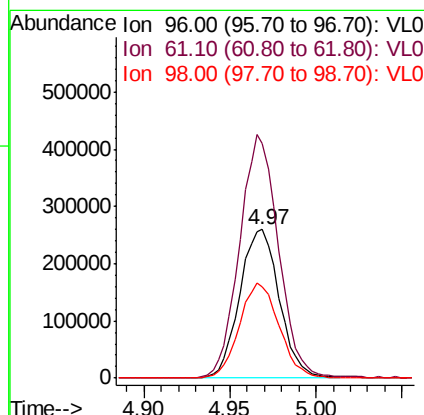
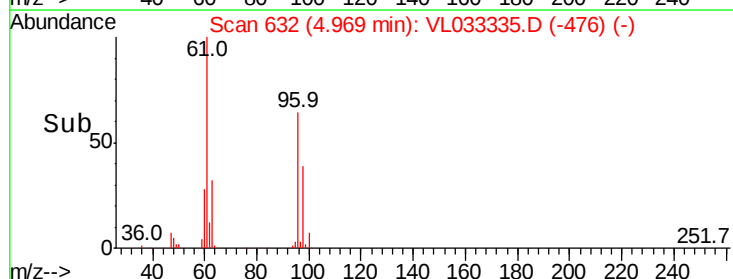
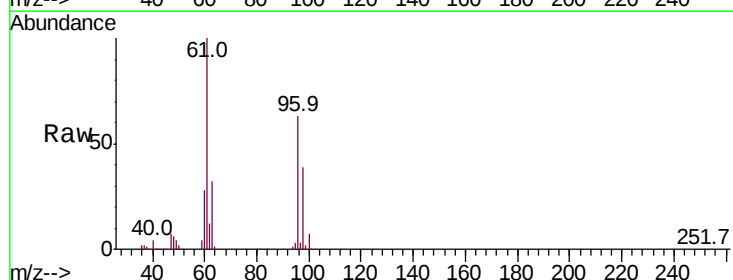
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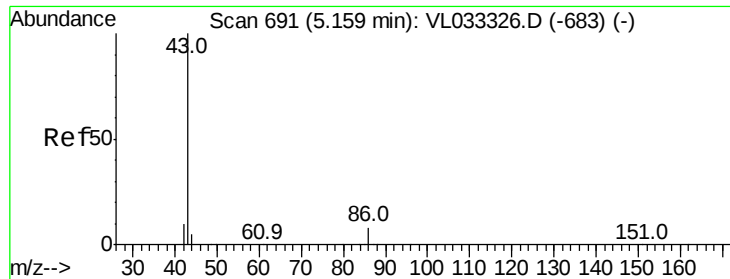
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#22
trans-1,2-Dichloroethene
Concen: 10.016 ppbv
RT: 4.97 min Scan# 632
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	416173		
61	157.9	130.0	195.0	
98	61.3	50.0	75.0	





#23
 Vinyl Acetate
 Concen: 9.920 ppbv
 RT: 5.16 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

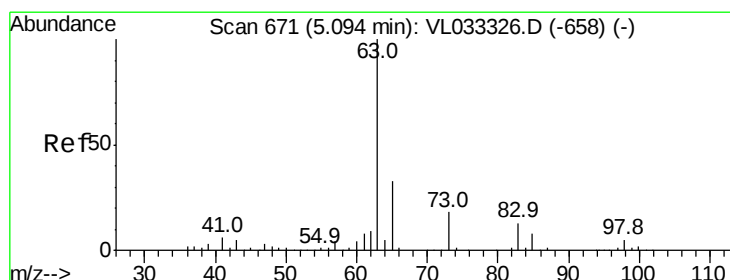
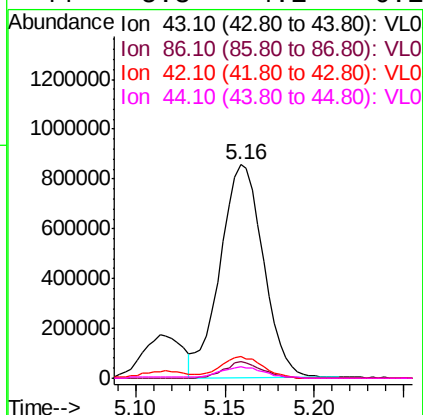
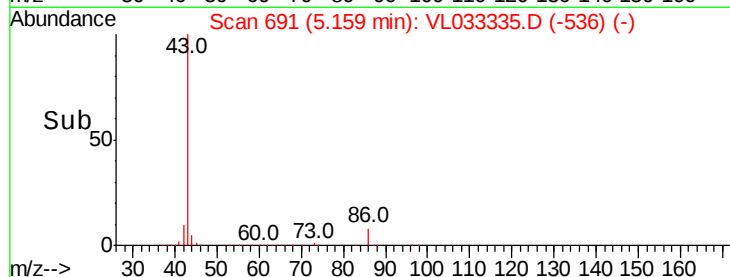
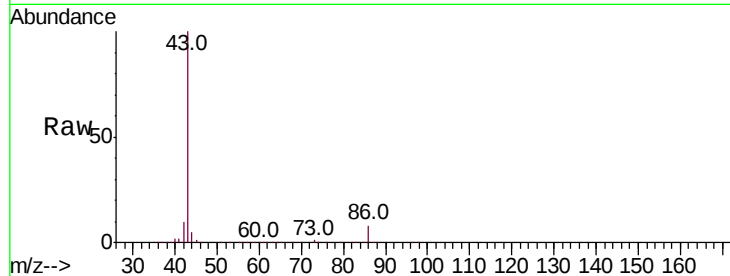
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0315ABS01

Tot Ion: 43 Resp: 1440076

Ion	Ratio	Lower	Upper
43	100		
86	7.5	6.2	9.2
42	10.2	8.1	12.1
44	5.3	4.1	6.1

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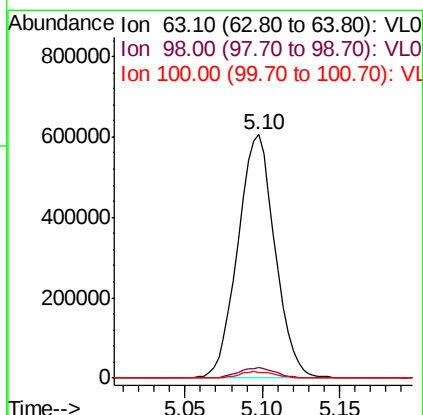
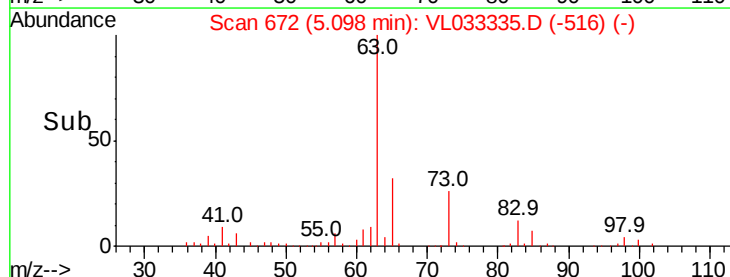
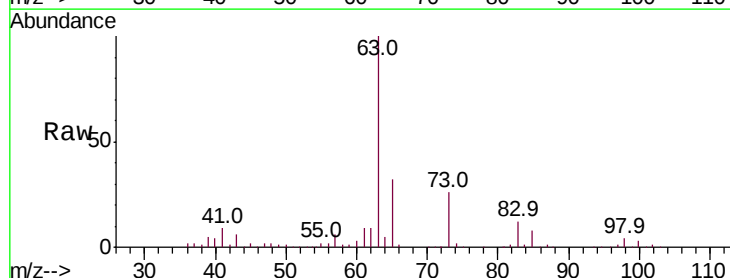
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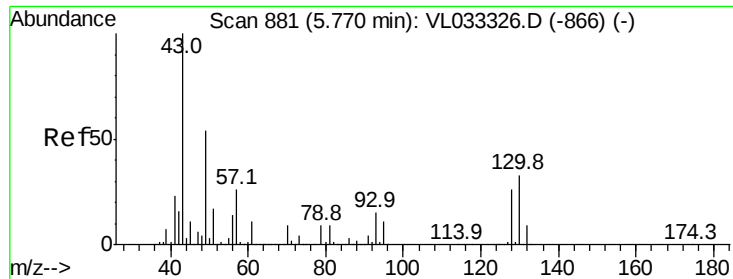


#24
 1,1-Dichloroethane
 Concen: 9.617 ppbv
 RT: 5.10 min Scan# 672
 Delta R.T. 0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

Tgt Ion: 63 Resp: 1008218

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.4	7.1
100	2.5	1.3	3.8





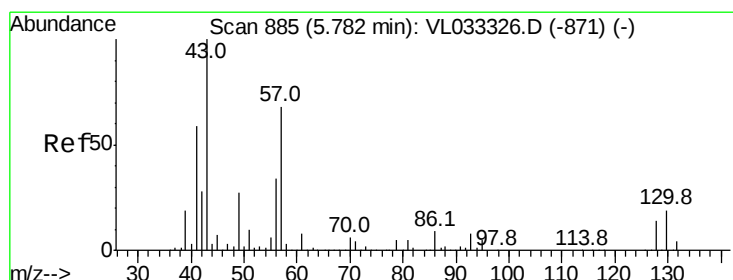
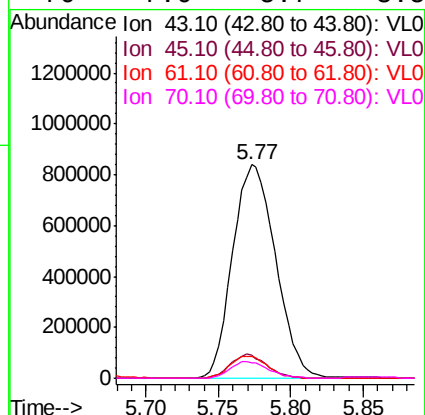
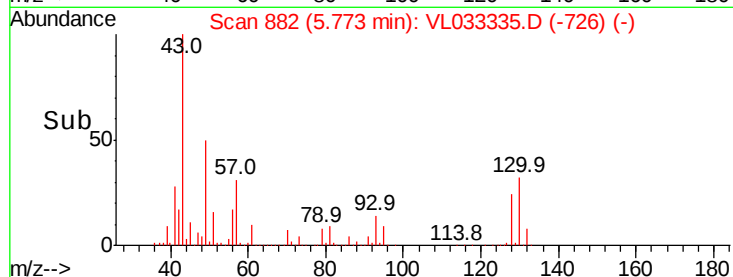
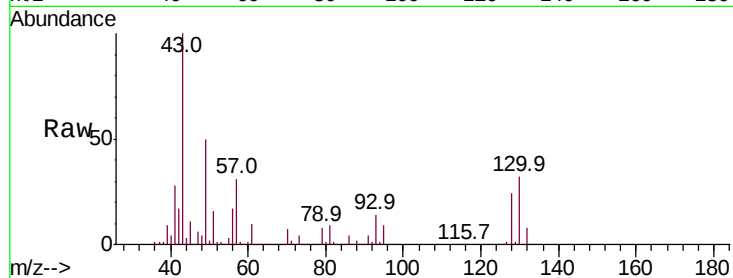
#25
Ethyl Acetate
Concen: 9.474 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Instrument :
MSVOA_L
ClientSampleId :
VL0315ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.9	11.9
61	9.4	7.4	11.2
70	7.0	5.7	8.5

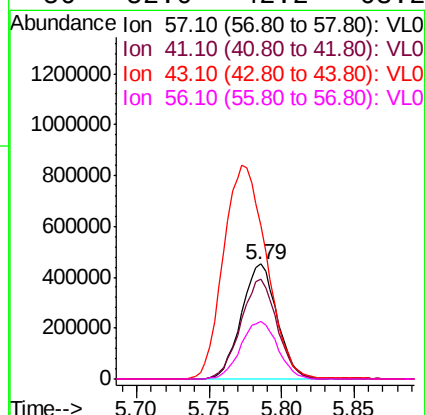
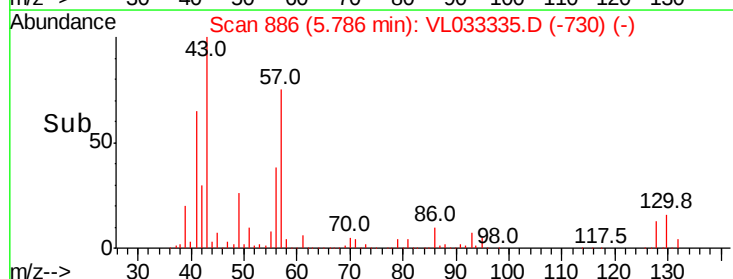
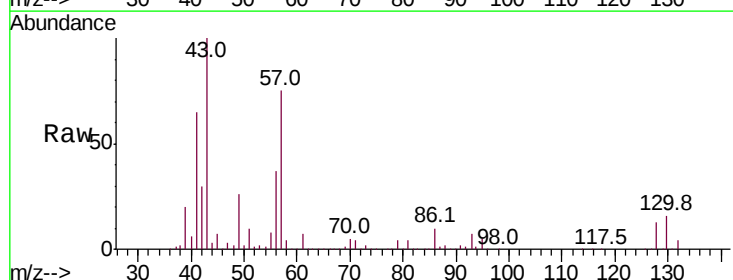
Manual Integrations
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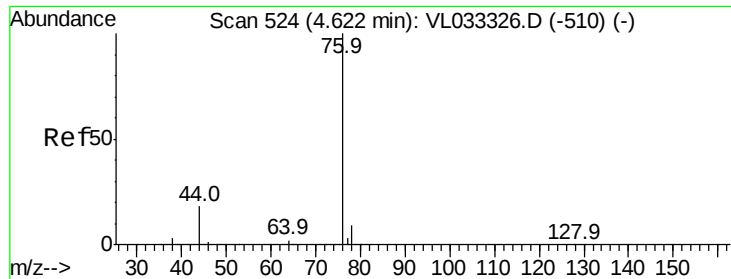
MMDadoda
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#26
Hexane
Concen: 9.478 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Tgt Ion	Ratio	Lower	Upper
57	100		
41	88.5	70.5	105.7
43	224.7	181.8	272.8
56	52.0	42.2	63.2





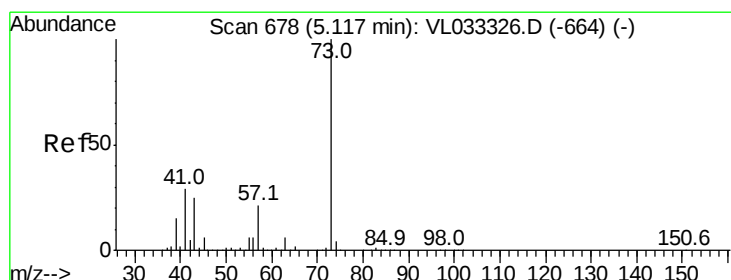
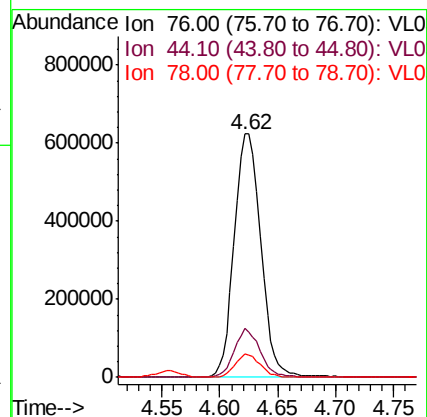
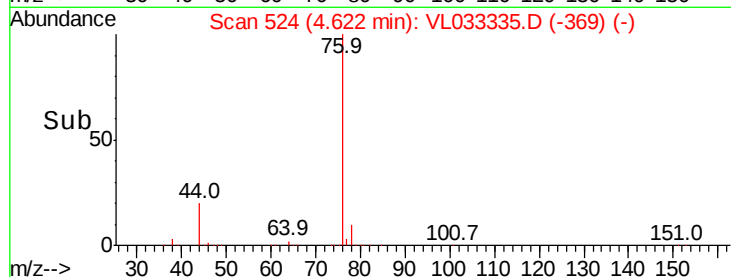
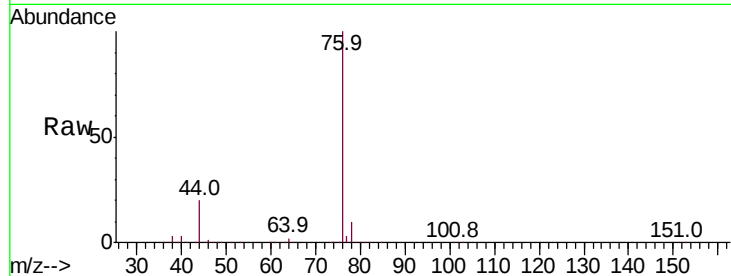
#27
Carbon Disulfide
Concen: 10.603 ppbv
RT: 4.62 min Scan# 524
Delta R.T. -0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Instrument :
MSVOA_L
ClientSampleId :
VL0315ABS01

Tot Ion	Ratio	Lower	Upper
76	100		
44	19.3	15.2	22.8
78	9.0	7.2	10.8

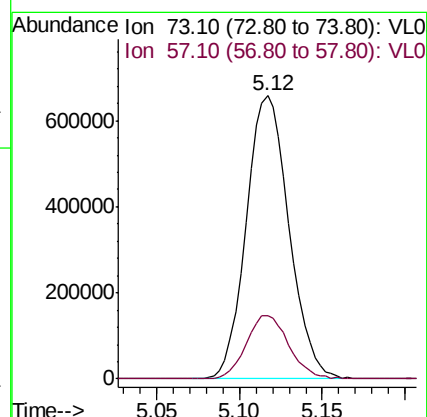
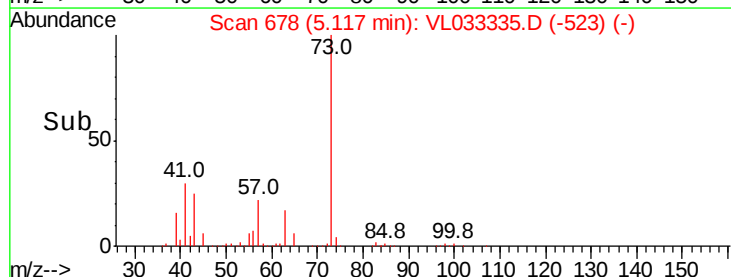
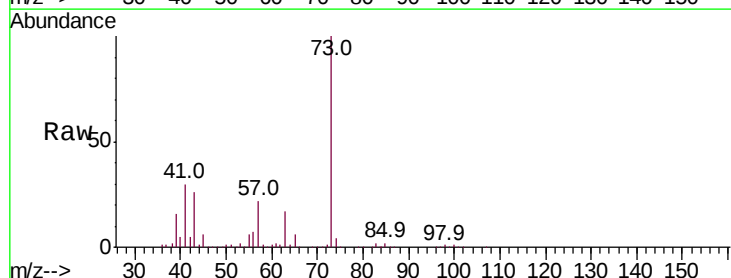
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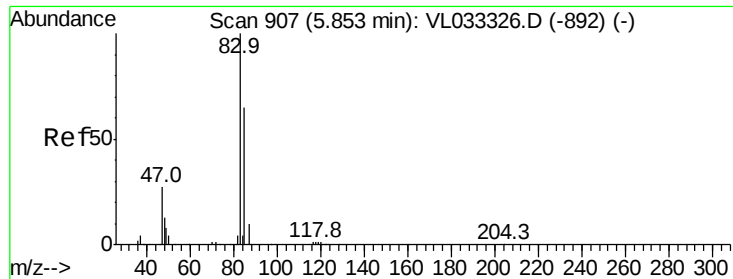
MMDadoda
3/19/2019 10:02:31 AM



#28
Methyl tert-Butyl Ether
Concen: 9.749 ppbv
RT: 5.12 min Scan# 678
Delta R.T. -0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.4	26.0





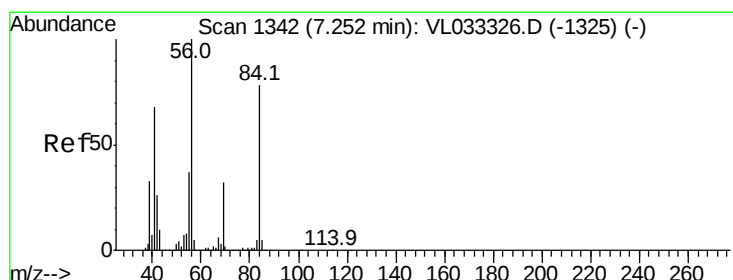
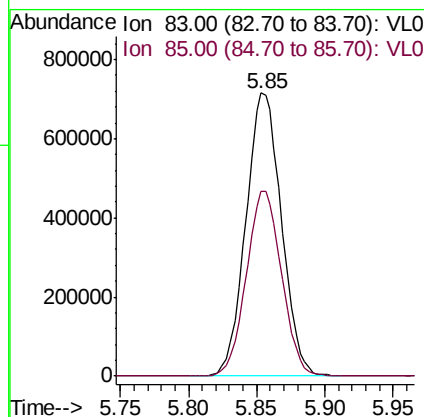
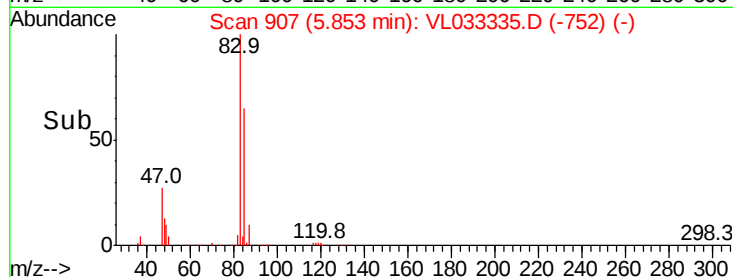
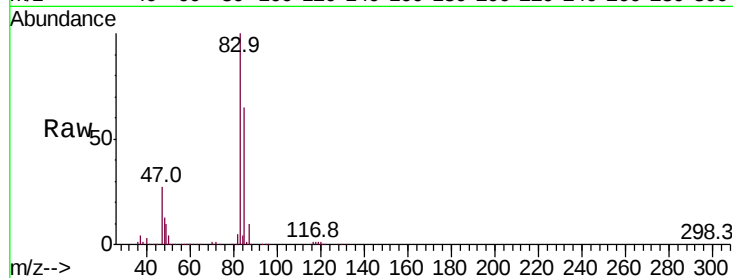
#29
Chloroform
Concen: 9.691 ppbv
RT: 5.85 min Scan# 907
Delta R.T. -0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Instrument :
MSVOA_L
ClientSampleId :
VL0315ABS01

Tot Ion: 83 Resp: 1293740
Ion Ratio Lower Upper
83 100
85 65.1 52.0 78.0

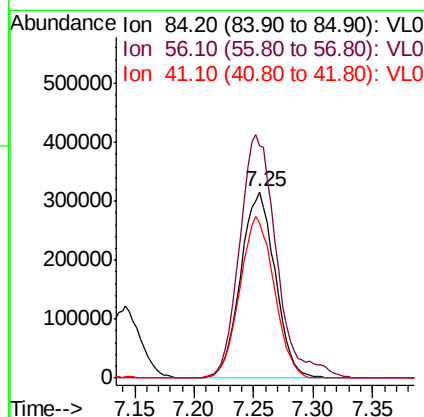
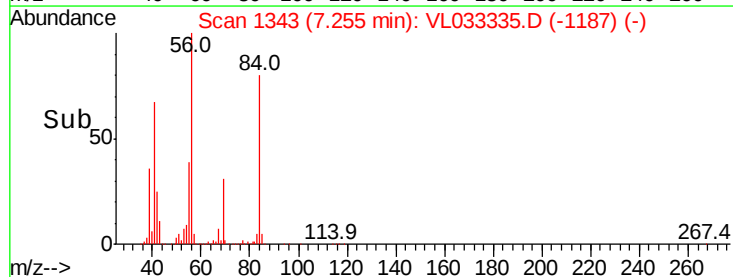
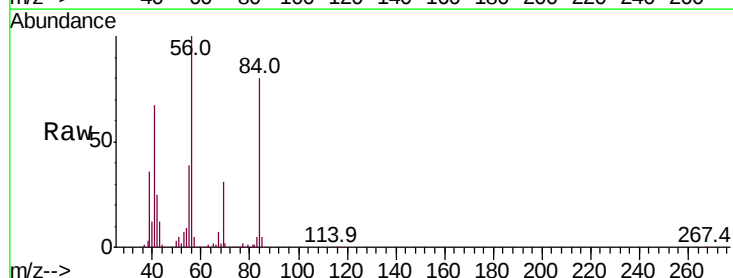
Manual Integrations
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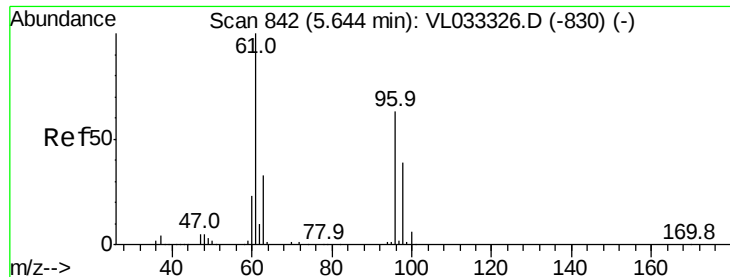
MMDadoda
3/19/2019 10:02:31 AM



#30
Cyclohexane
Concen: 9.726 ppbv
RT: 7.25 min Scan# 1343
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Tgt Ion: 84 Resp: 635757
Ion Ratio Lower Upper
84 100
56 140.2 111.3 166.9
41 86.7 69.6 104.4





#31

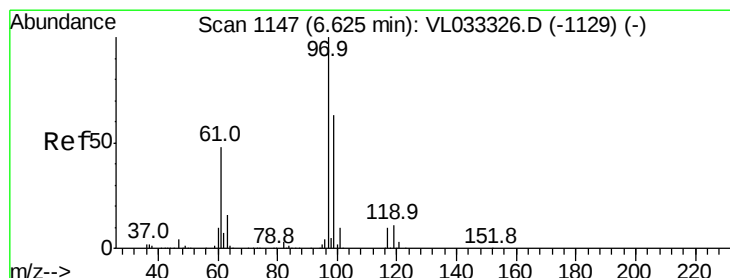
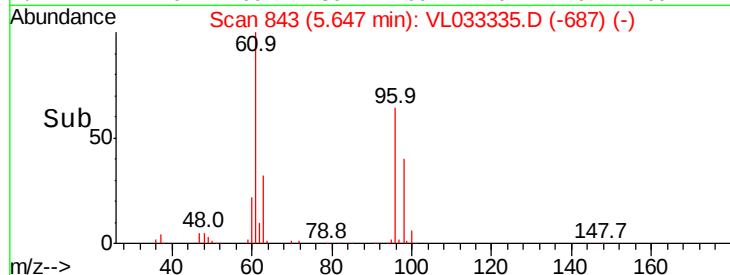
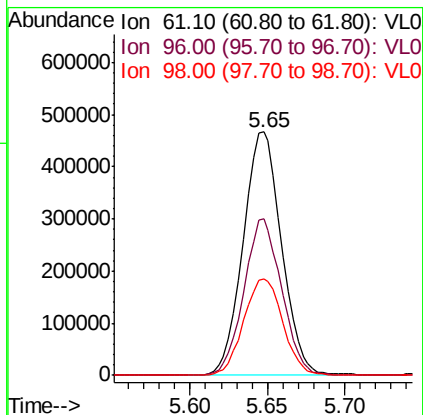
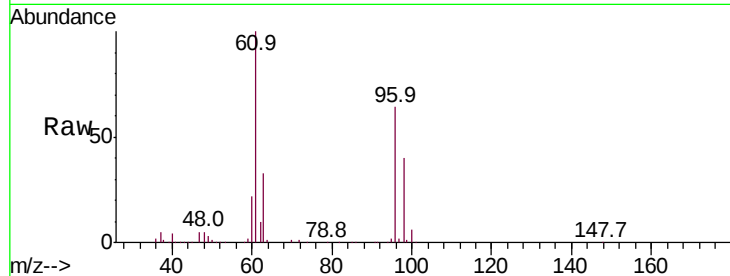
cis-1,2-Dichloroethene
Concen: 9.911 ppbv
RT: 5.65 min Scan# 843
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Instrument :
MSVOA_L
ClientSampleId :
VL0315ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.1	50.3	75.5
98	39.8	31.5	47.3

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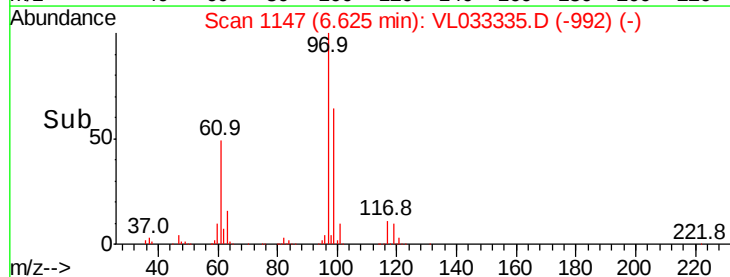
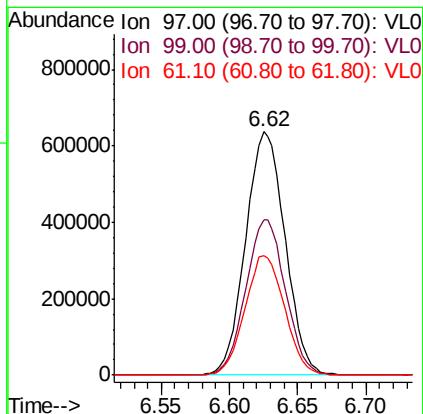
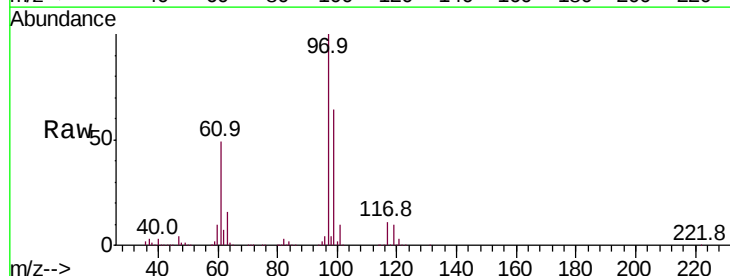
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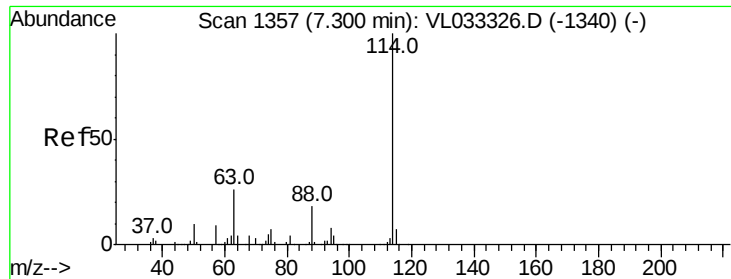


#32

1,1,1-Trichloroethane
Concen: 9.763 ppbv
RT: 6.62 min Scan# 1147
Delta R.T. -0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.6
61	49.5	39.3	58.9





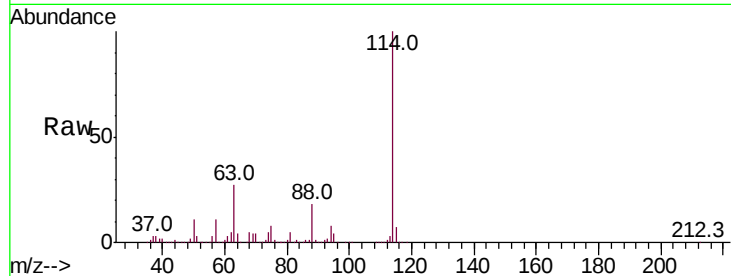
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0315ABS01

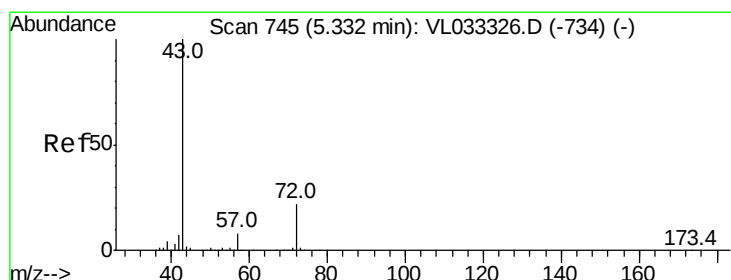
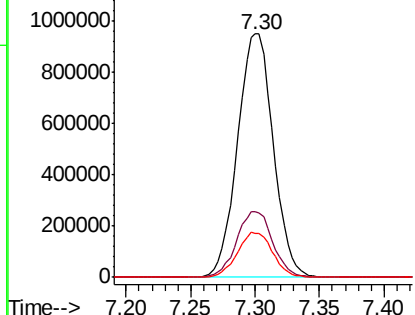
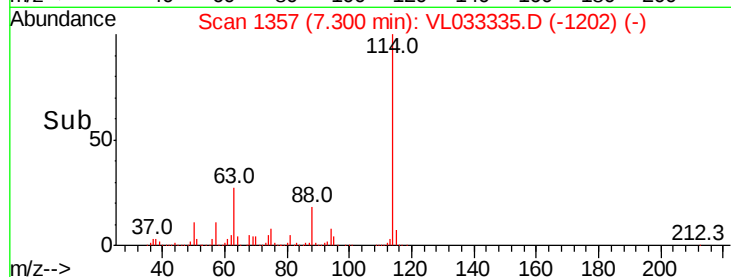
Tot Ion	Ratio	Lower	Upper
114	100		
63	27.6	21.4	32.2
88	18.3	14.5	21.7

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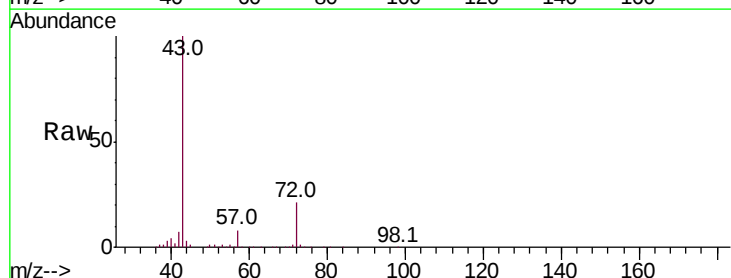


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

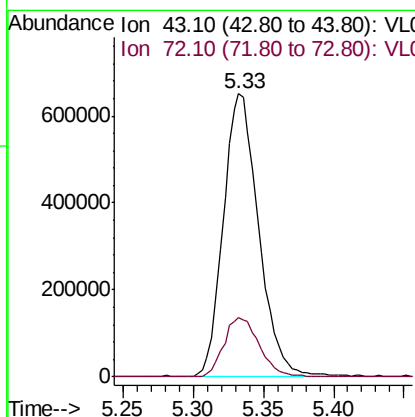
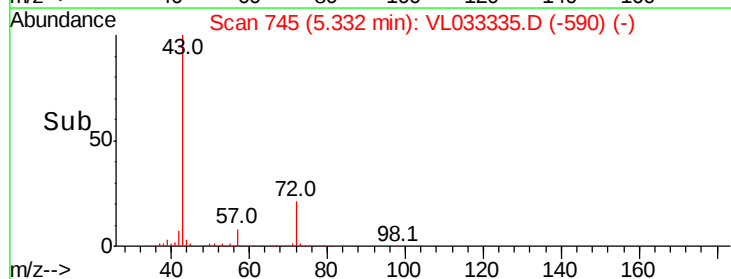


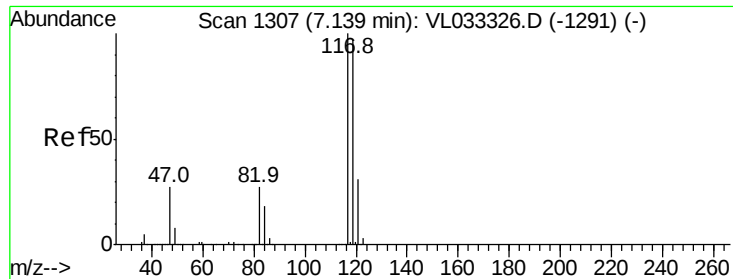
#34
 2-Butanone
 Concen: 9.383 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.3	17.7	26.5



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





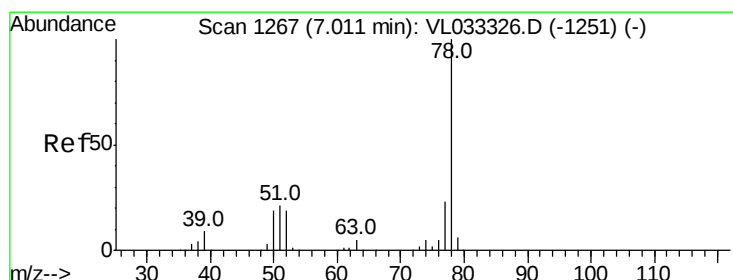
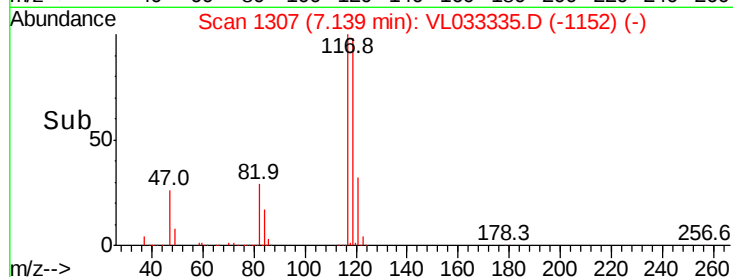
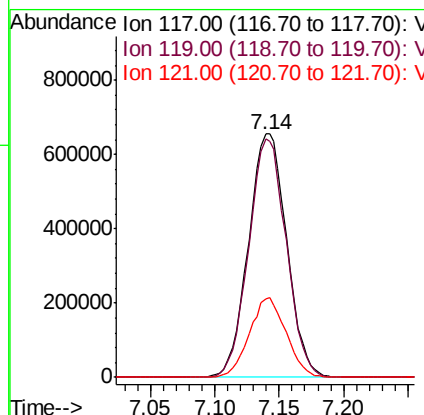
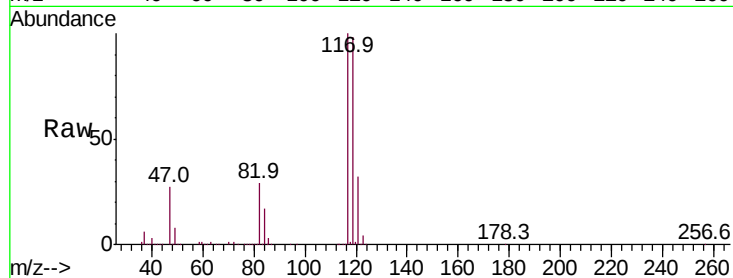
#35
Carbon Tetrachloride
Concen: 10.476 ppbv
RT: 7.14 min Scan# 1307
Delta R.T. -0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Instrument :
MSVOA_L
ClientSampleId :
VL0315ABS01

Tot Ion:117 Resp: 1354523
Ion Ratio Lower Upper
117 100
119 98.2 77.4 116.0
121 32.2 24.9 37.3

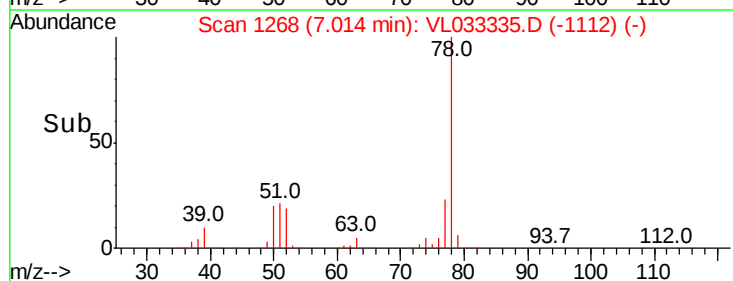
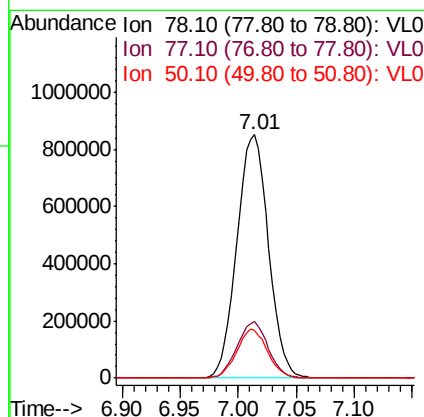
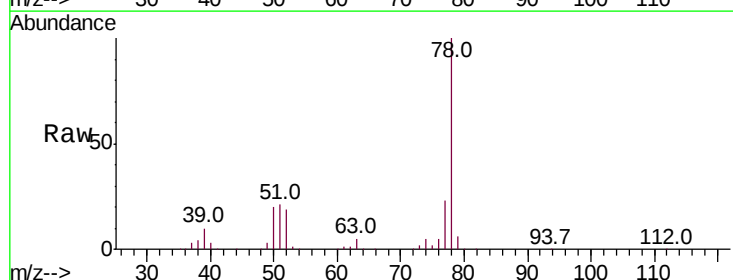
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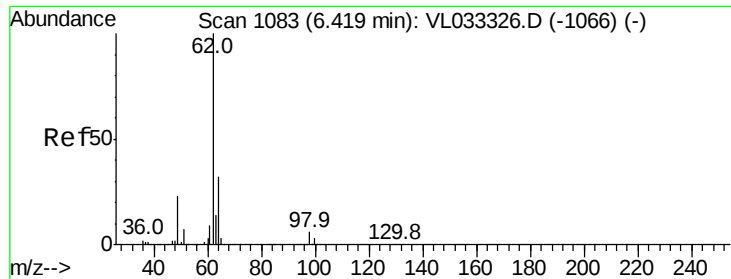
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#36
Benzene
Concen: 9.789 ppbv
RT: 7.01 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Tgt Ion: 78 Resp: 1606728
Ion Ratio Lower Upper
78 100
77 23.2 18.1 27.1
50 19.5 15.2 22.8





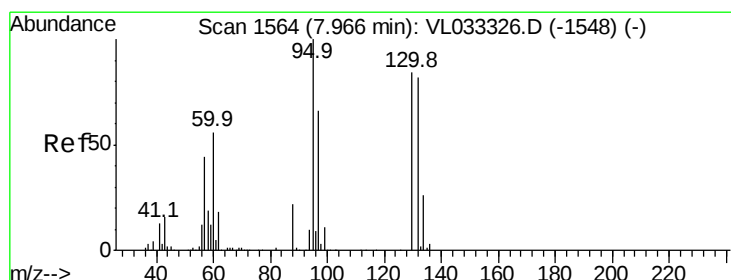
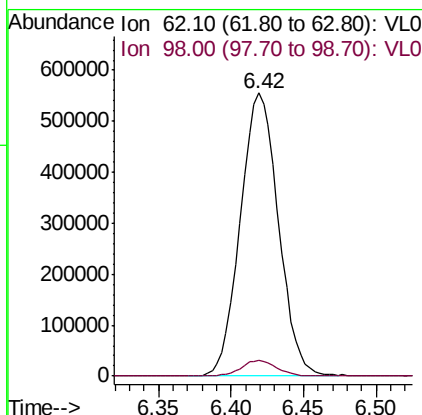
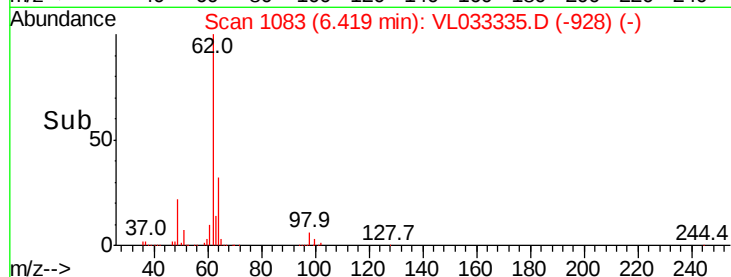
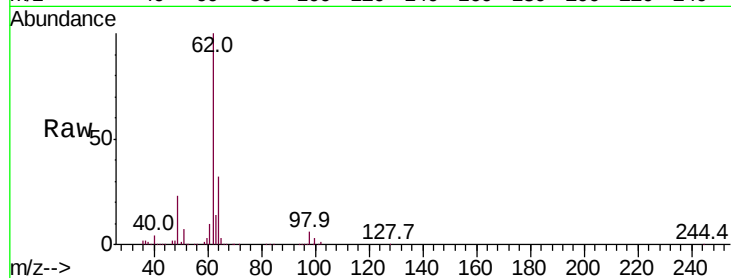
#37
1,2-Dichloroethane
Concen: 9.784 ppbv
RT: 6.42 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Instrument :
MSVOA_L
ClientSampleId :
VL0315ABS01

Tot Ion: 62 Resp: 1015426
Ion Ratio Lower Upper
62 100
98 5.3 4.5 6.7

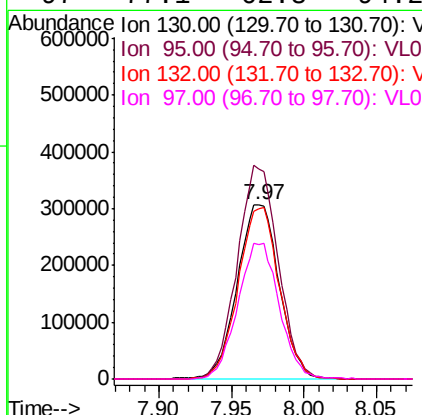
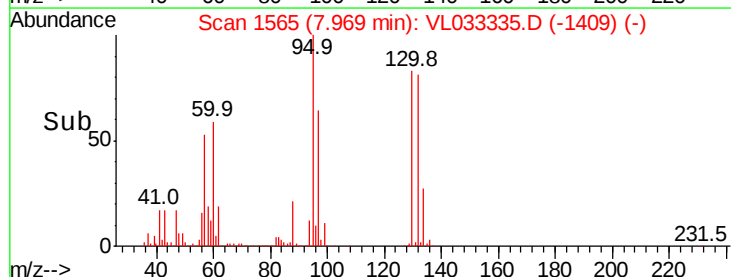
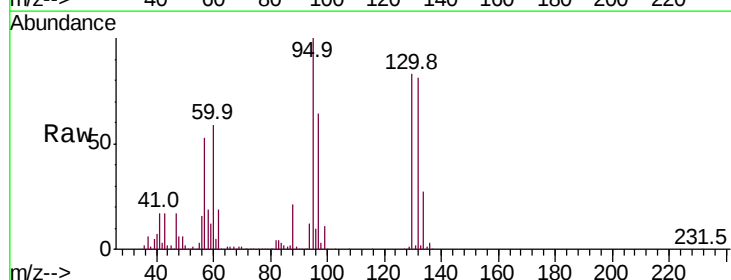
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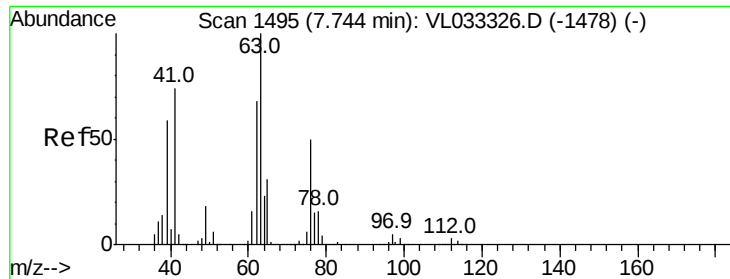
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#38
Trichloroethene
Concen: 9.873 ppbv
RT: 7.97 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Tgt Ion:130 Resp: 613200
Ion Ratio Lower Upper
130 100
95 120.6 95.2 142.8
132 97.3 77.7 116.5
97 77.1 62.8 94.2





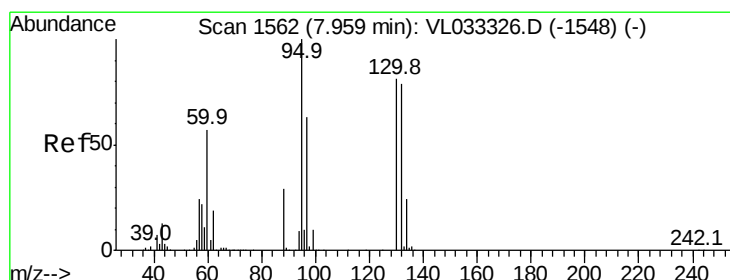
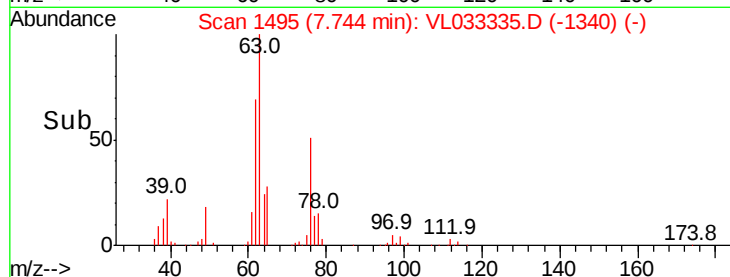
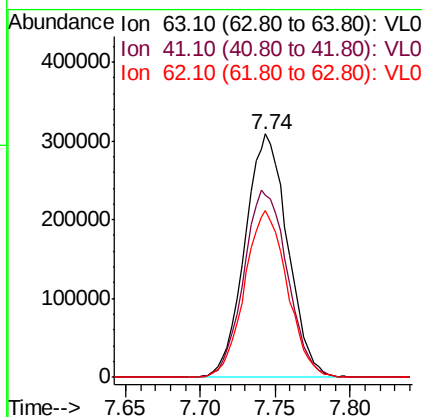
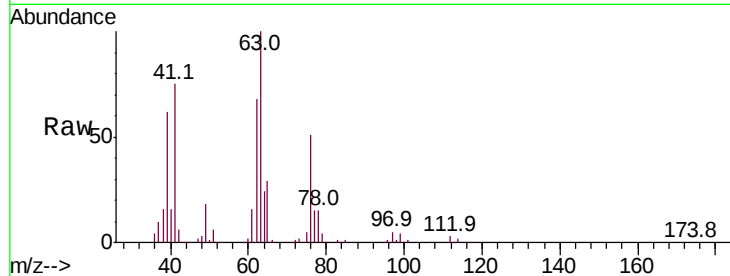
#39
 1,2-Dichloropropane
 Concen: 9.965 ppbv
 RT: 7.74 min Scan# 1495
 Delta R.T. -0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0315ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	74.6	59.5	89.3
62	68.4	54.7	82.1

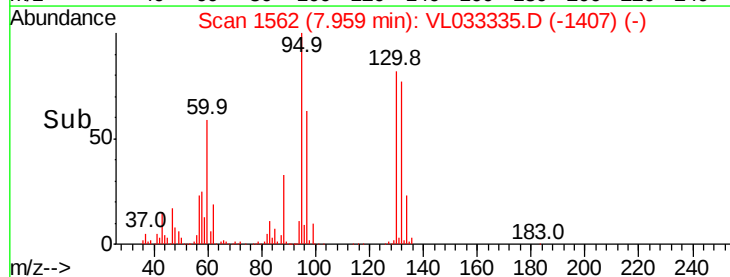
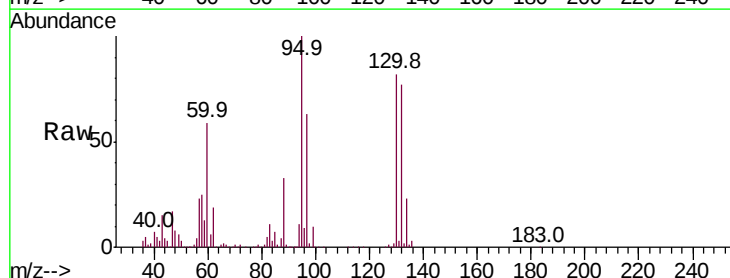
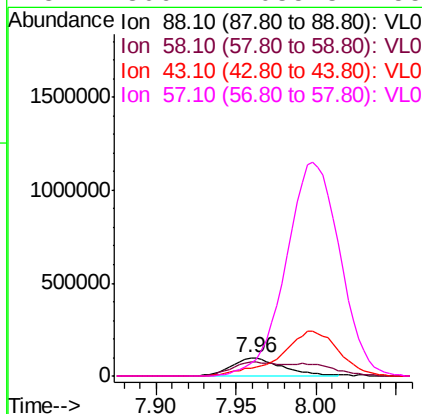
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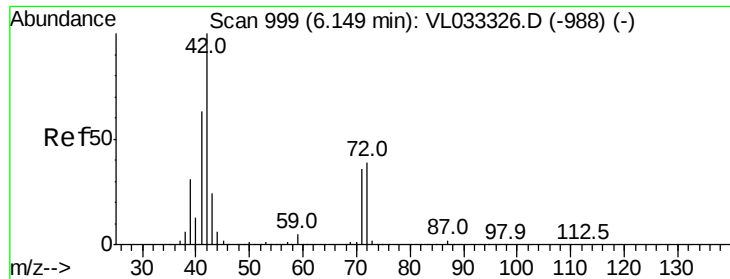
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#40
 1,4-Dioxane
 Concen: 9.607 ppbv
 RT: 7.96 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

Tgt Ion	Ratio	Lower	Upper
88	100		
58	138.5	107.9	161.9
43	294.7	230.8	346.2
57	1306.4	1035.3	1552.9





#41

Tetrahydrofuran

Concen: 10.219 ppbv

RT: 6.15 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

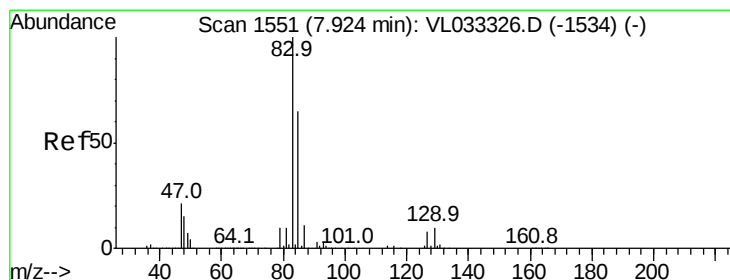
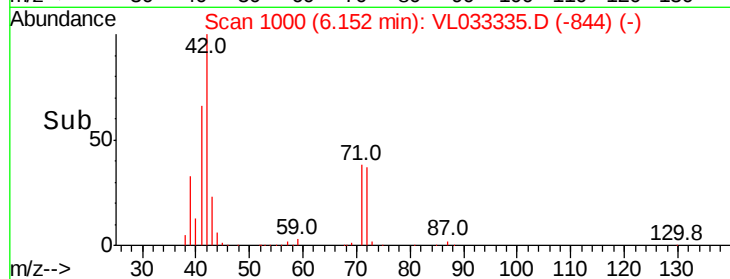
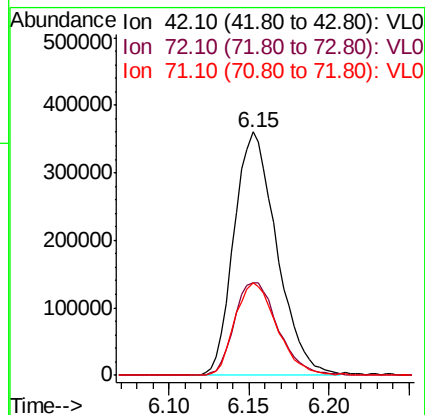
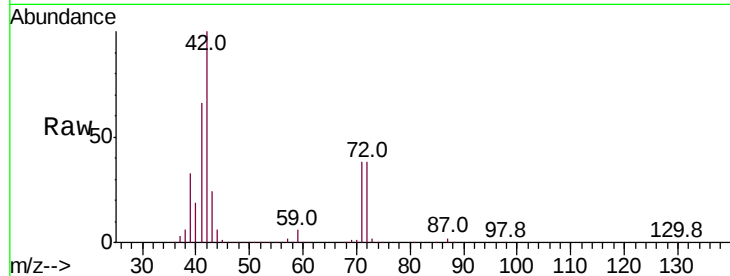
ClientSampleId :

VL0315ABS01

Tot Ion:	42	Resp:	656811
Ion Ratio	Lower	Upper	
42	100		
72	39.3	31.6	47.4
71	37.7	29.9	44.9

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#42

Bromodichloromethane

Concen: 10.331 ppbv

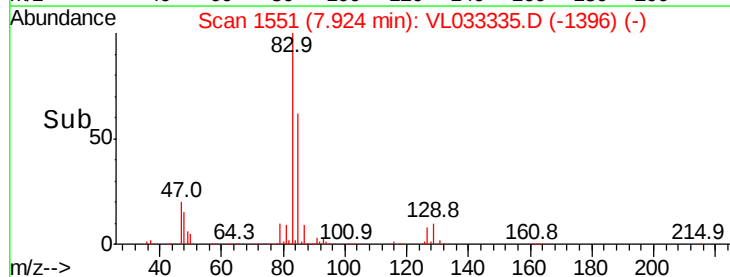
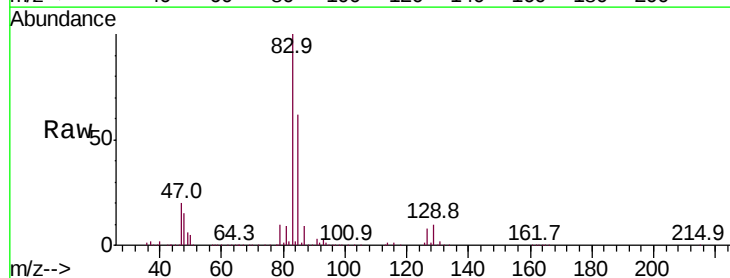
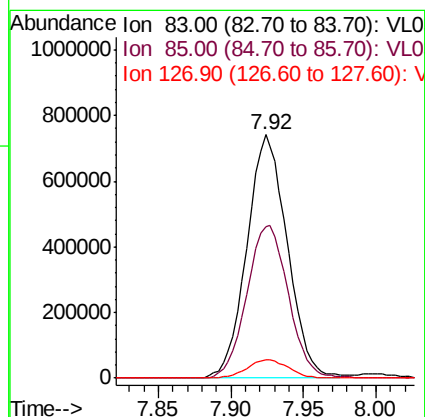
RT: 7.92 min Scan# 1551

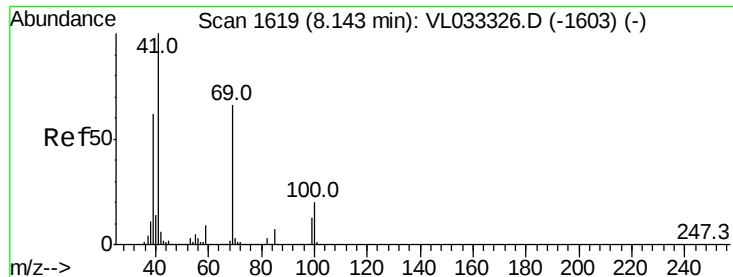
Delta R.T. -0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Tgt Ion:	83	Resp:	1437520
Ion Ratio	Lower	Upper	
83	100		
85	62.0	51.8	77.6
127	7.5	6.2	9.2





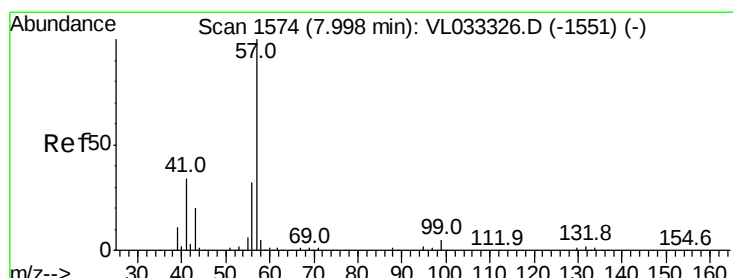
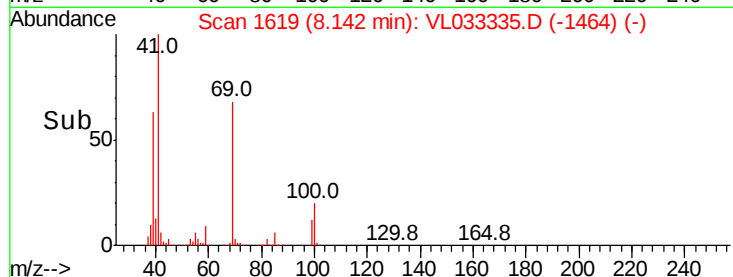
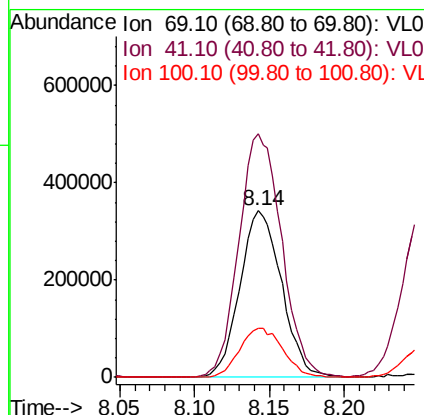
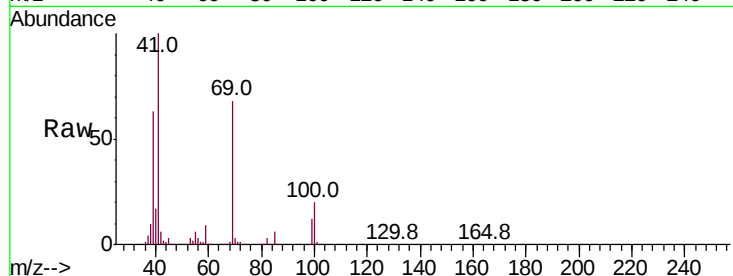
#43
Methyl Methacrylate
Concen: 10.370 ppbv
RT: 8.14 min Scan# 1619
Delta R.T. -0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Instrument :
MSVOA_L
ClientSampleId :
VL0315ABS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	150.3	119.5	179.3
100	30.9	24.4	36.6

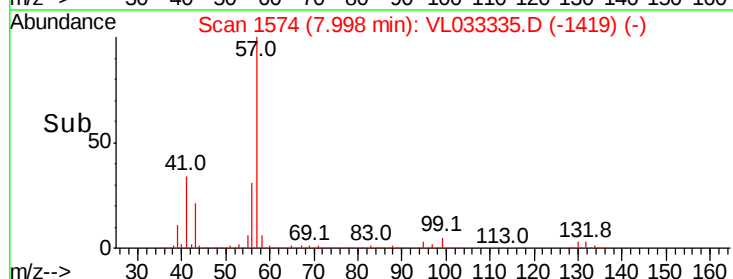
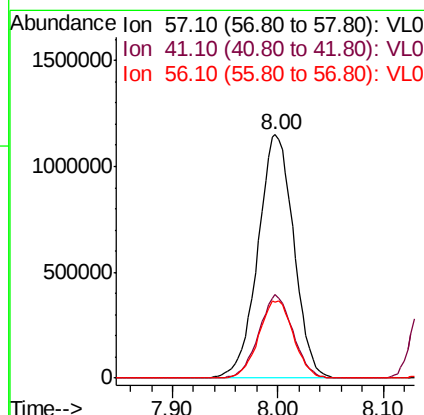
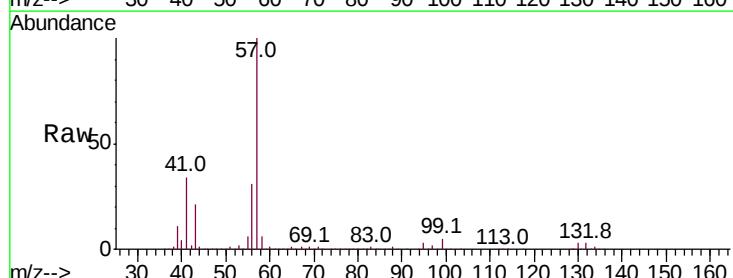
Manual Integrations
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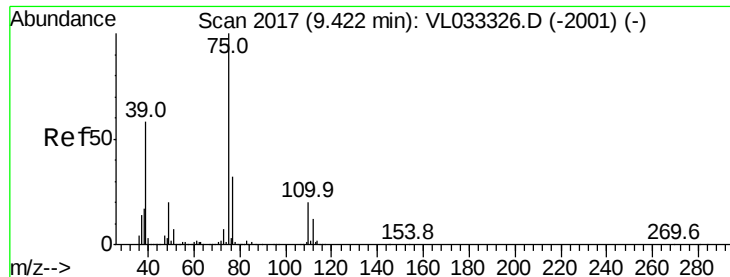
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#44
2,2,4-Trimethylpentane
Concen: 9.979 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.7	26.0	39.0
56	30.9	24.6	36.8





#45

t-1,3-Dichloropropene

Concen: 11.553 ppbv

RT: 9.43 min Scan# 2018

Delta R.T. 0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

ClientSampleId :

VL0315ABS01

Tot Ion: 75 Resp: 911579

Ion Ratio Lower Upper

75 100

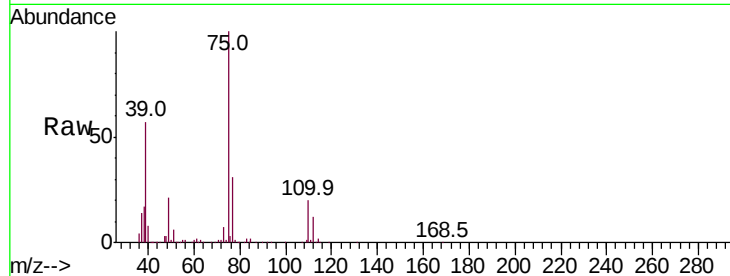
77 31.3 25.5 38.3

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.43

500000

400000

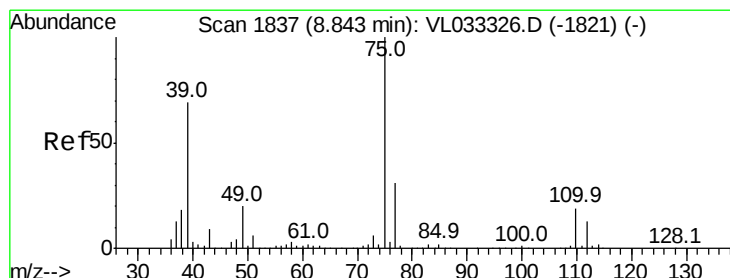
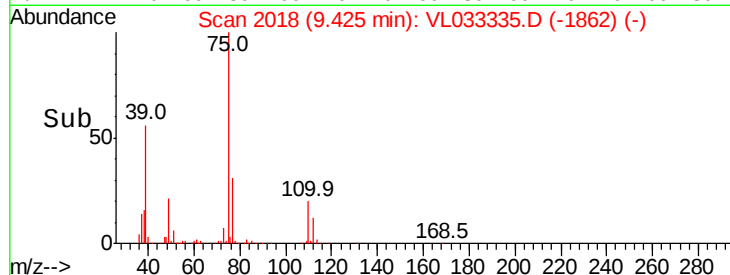
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.035 ppbv

RT: 8.85 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

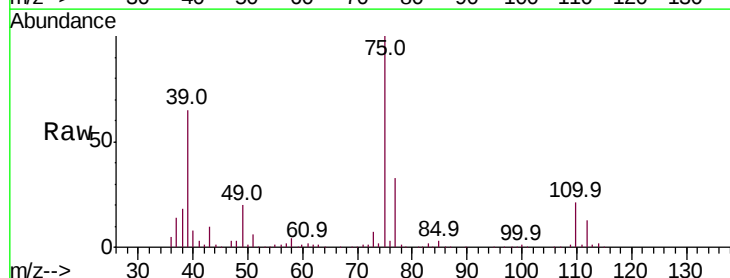
Tgt Ion: 75 Resp: 1025280

Ion Ratio Lower Upper

75 100

39 65.4 55.0 82.6

77 32.7 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.85

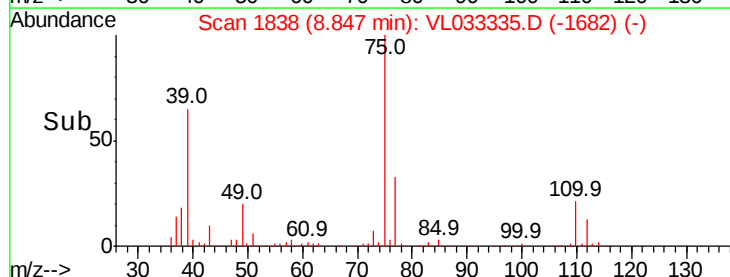
600000

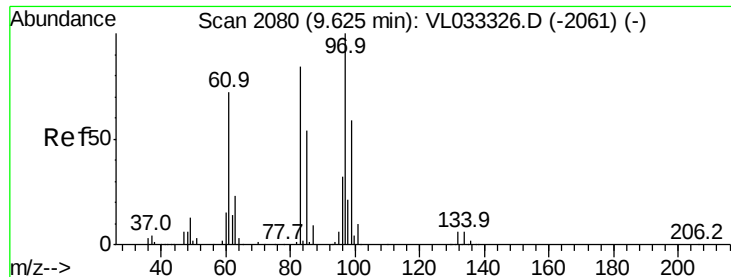
400000

200000

0

Time-->





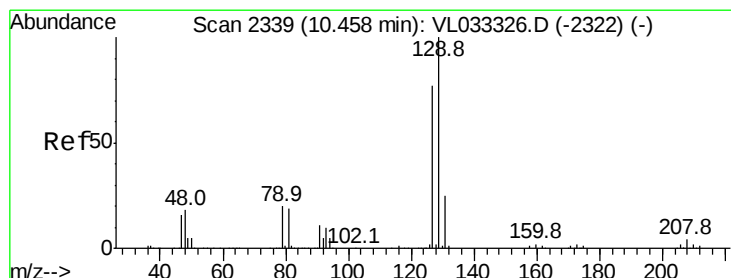
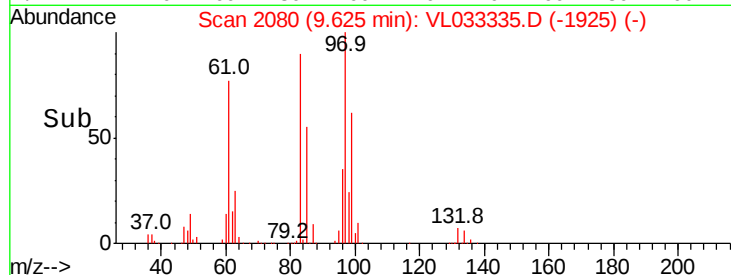
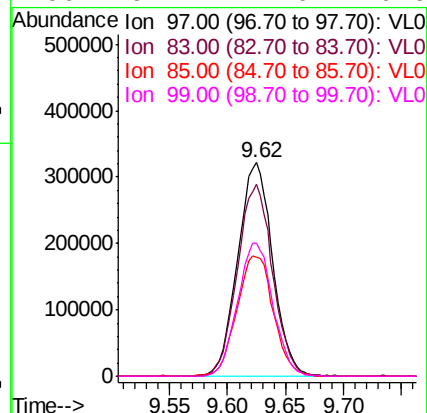
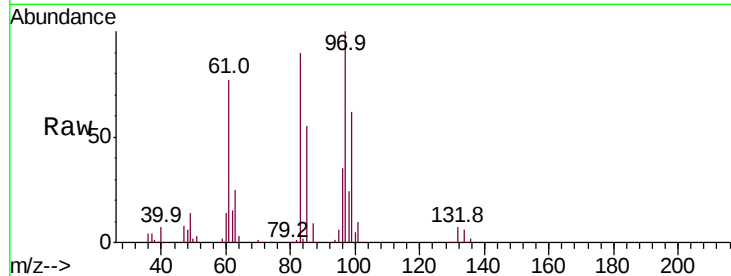
#47
 1,1,2-Trichloroethane
 Concen: 9.880 ppbv
 RT: 9.62 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0315ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.9	67.4	101.0
85	55.3	43.0	64.4
99	62.4	47.0	70.6

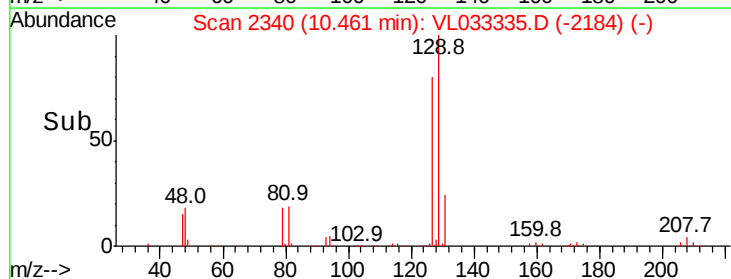
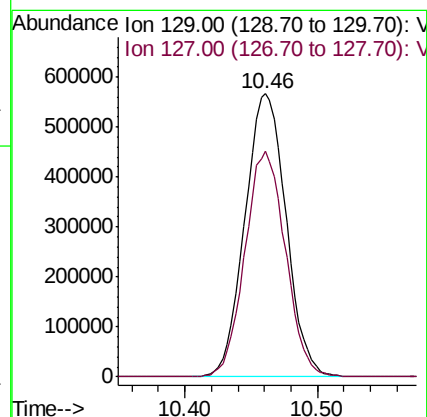
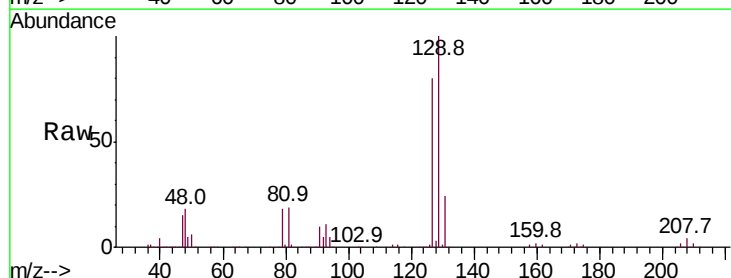
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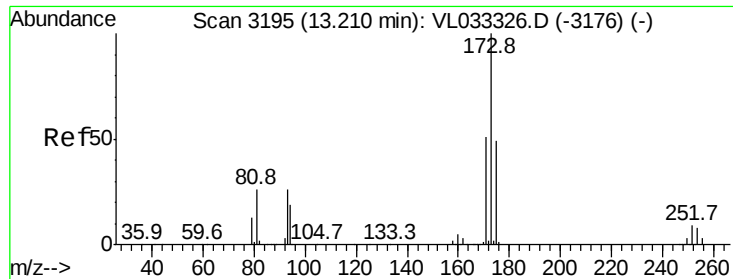
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#48
 Dibromochloromethane
 Concen: 10.767 ppbv
 RT: 10.46 min Scan# 2340
 Delta R.T. 0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.9	116.6





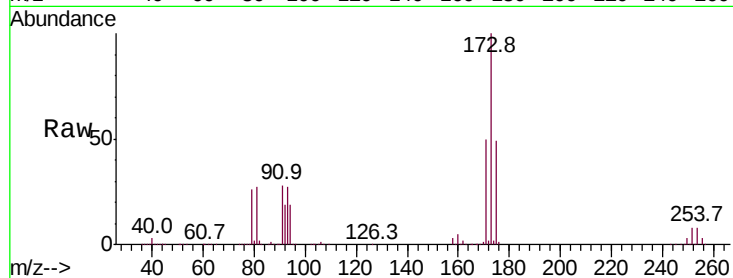
#49
Bromoform
Concen: 11.471 ppbv
RT: 13.21 min Scan# 3196
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Instrument :
MSVOA_L
ClientSampleId :
VL0315ABS01

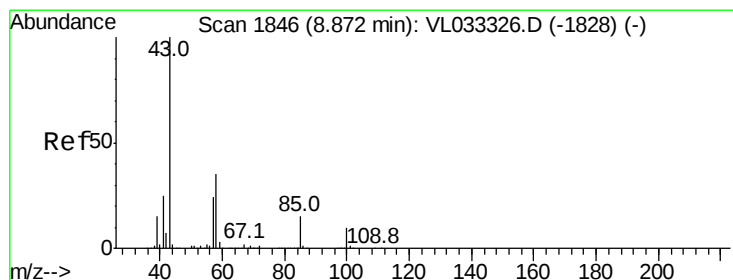
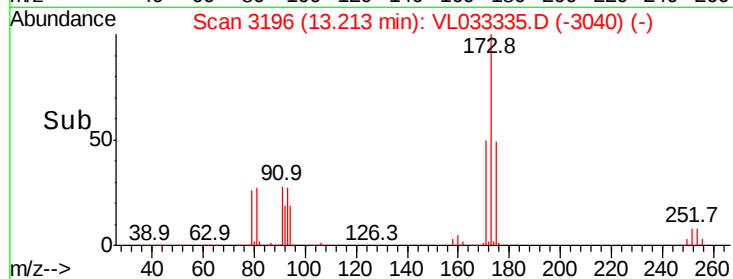
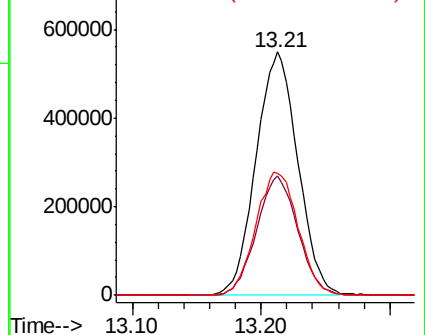
Tot Ion:173 Resp: 1239338
Ion Ratio Lower Upper
173 100
175 48.6 39.0 58.6
171 51.7 41.7 62.5

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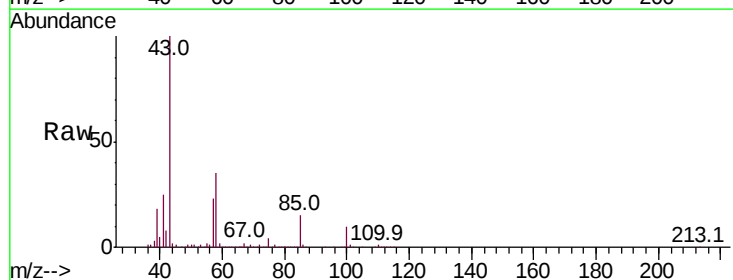


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

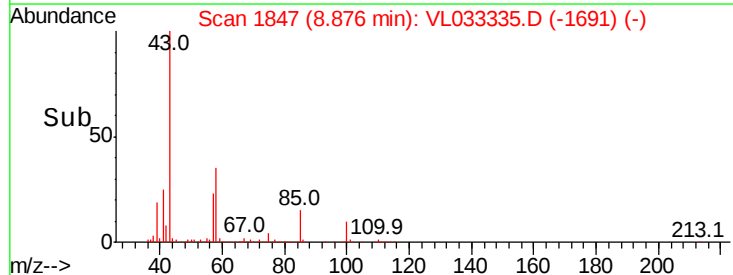
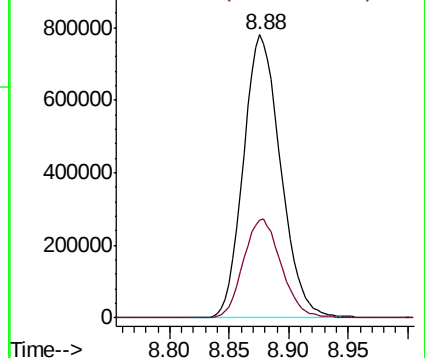


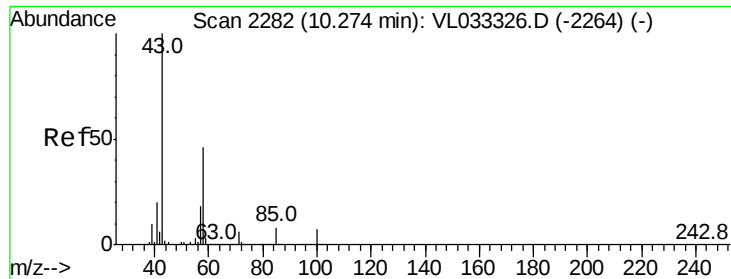
#50
4-Methyl-2-Pentanone
Concen: 9.939 ppbv
RT: 8.88 min Scan# 1847
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Tgt Ion: 43 Resp: 1691016
Ion Ratio Lower Upper
43 100
58 35.5 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.195 ppbv

RT: 10.28 min Scan# 2284

Delta R.T. 0.01 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

ClientSampleId :

VL0315ABS01

Tot Ion: 43 Resp: 1338106

Ion Ratio Lower Upper

43 100

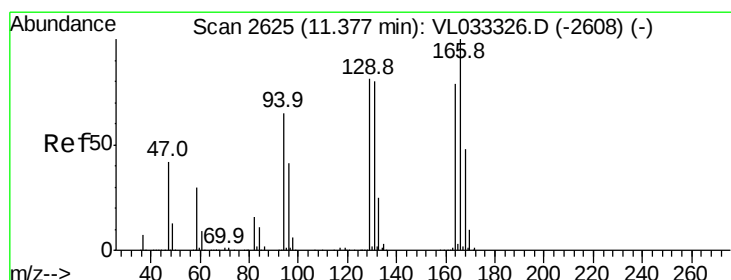
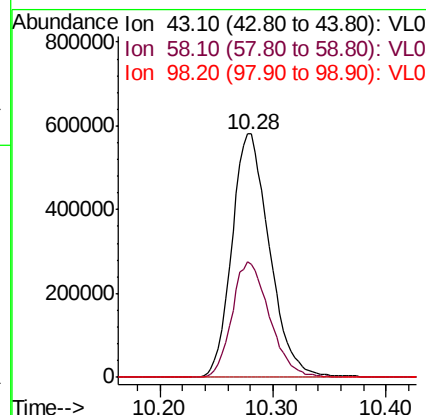
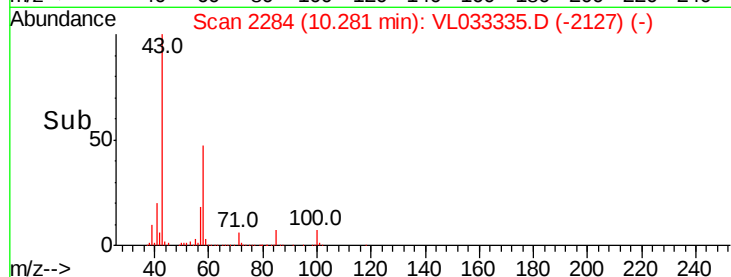
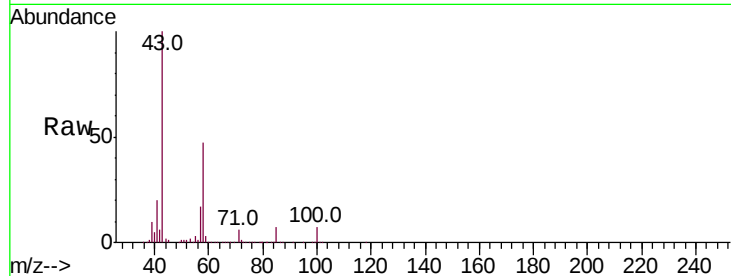
58 47.6 38.0 57.0

98 0.3 0.1 0.1#

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#52

Tetrachloroethene

Concen: 10.088 ppbv

RT: 11.38 min Scan# 2627

Delta R.T. 0.01 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Tgt Ion: 164 Resp: 689799

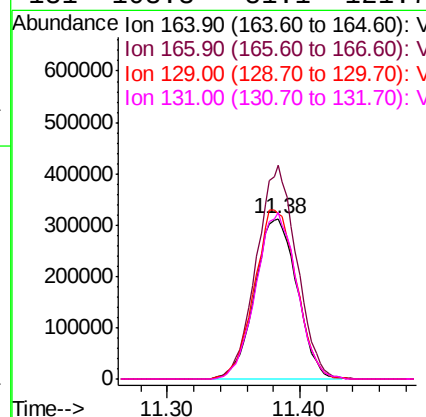
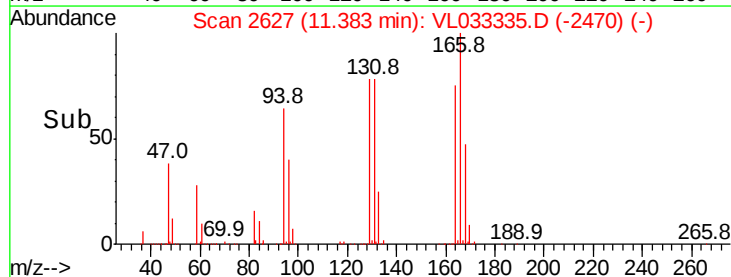
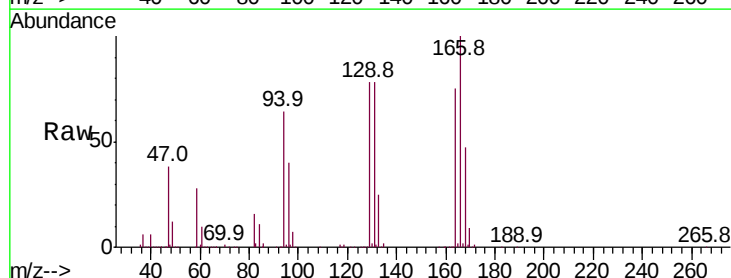
Ion Ratio Lower Upper

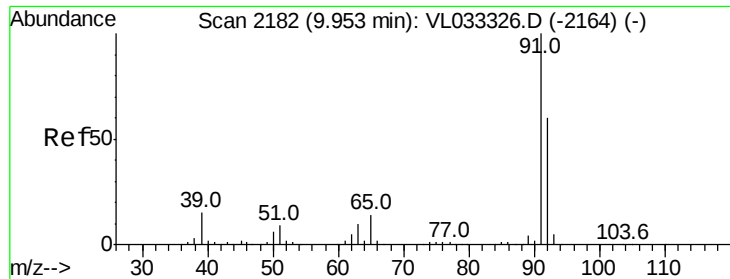
164 100

166 133.0 101.5 152.3

129 103.2 82.2 123.2

131 103.3 81.1 121.7





#53

Toluene

Concen: 10.333 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. 0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

ClientSampleId :

VL0315ABS01

Tot Ion: 91 Resp: 1927058

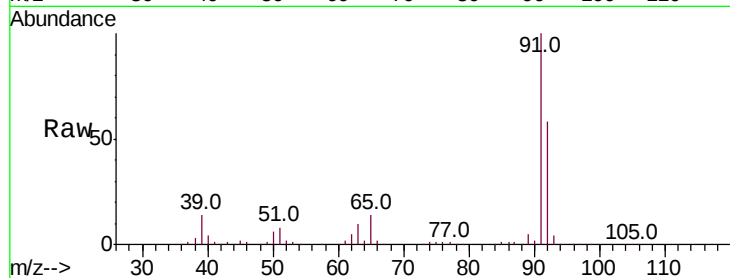
Ion Ratio Lower Upper

91 100

92 59.6 47.4 71.0

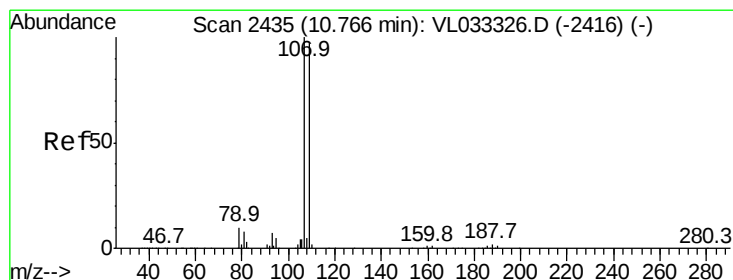
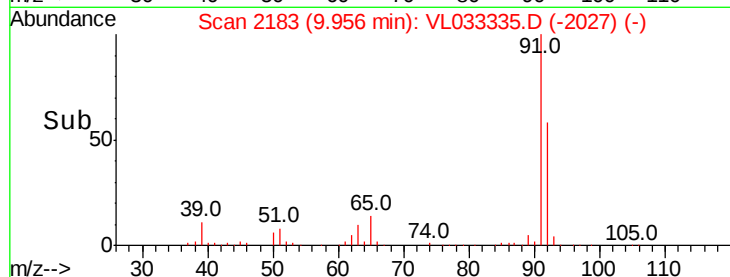
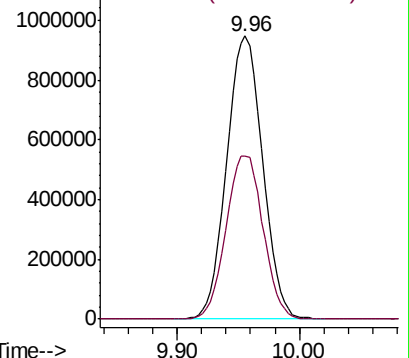
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.610 ppbv

RT: 10.77 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VL033335.D

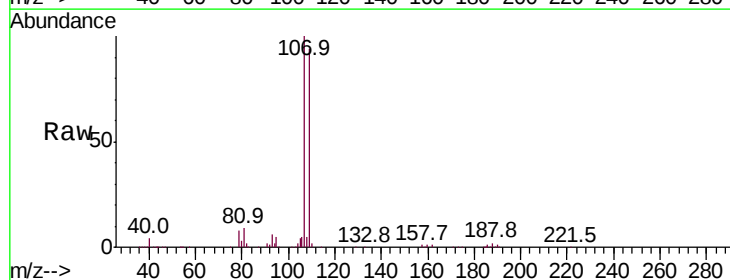
Acq: 15 Mar 2019 17:41

Tgt Ion: 107 Resp: 1218062

Ion Ratio Lower Upper

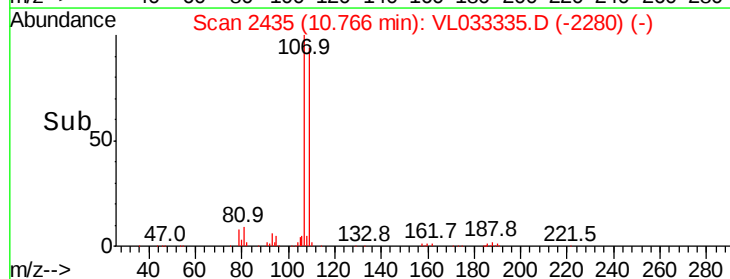
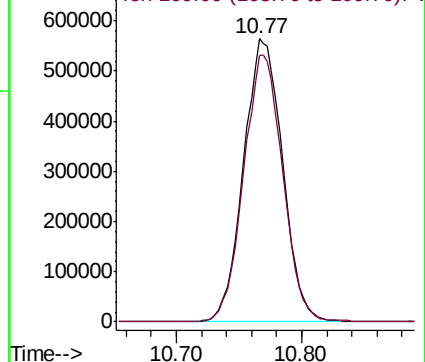
107 100

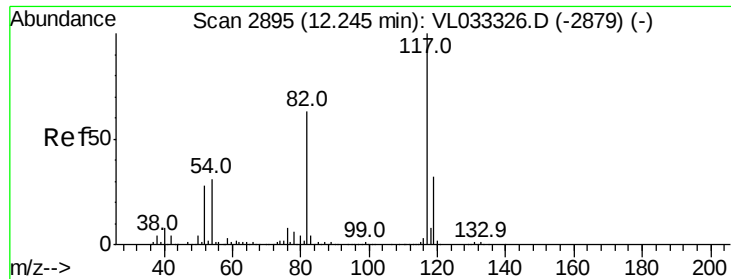
109 94.2 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





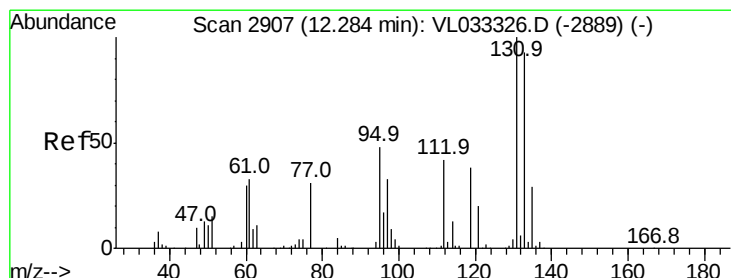
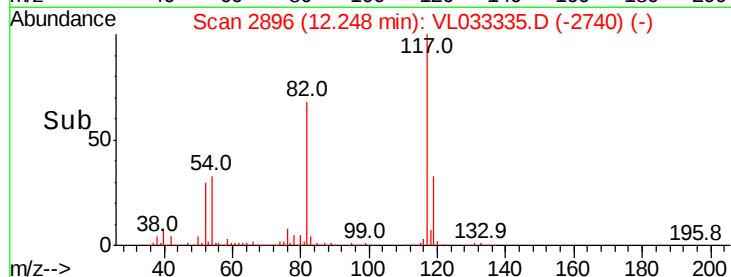
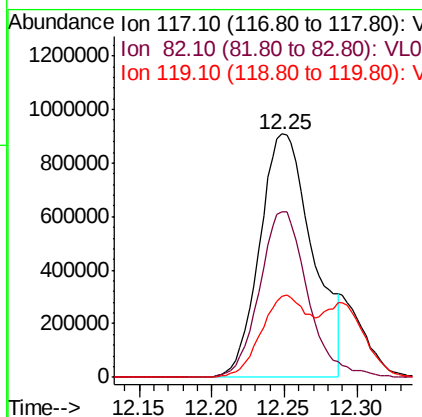
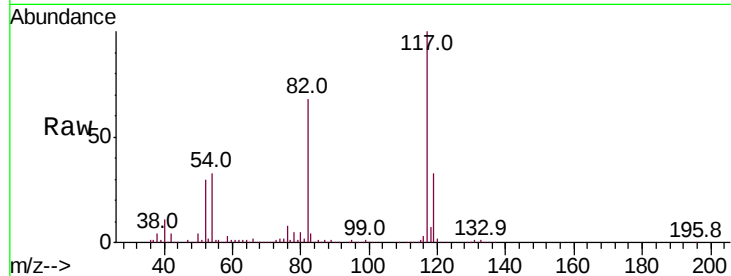
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Instrument :
MSVOA_L
ClientSampleId :
VL0315ABS01

Tot Ion:117 Resp: 2306157
Ion Ratio Lower Upper
117 100
82 62.1 53.4 80.2
119 31.8 27.3 40.9

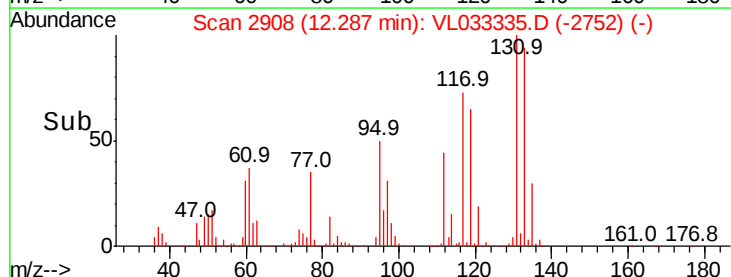
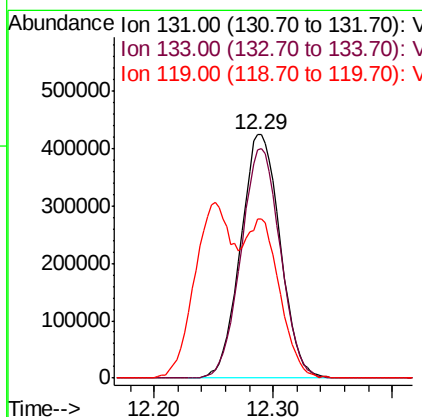
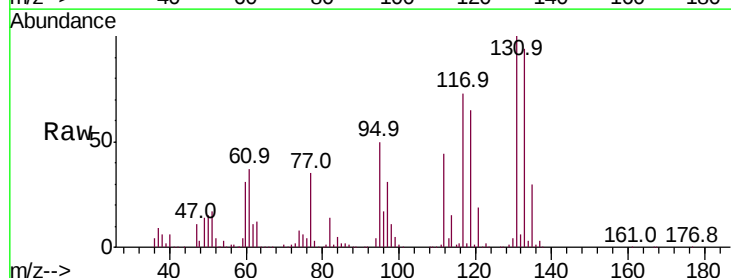
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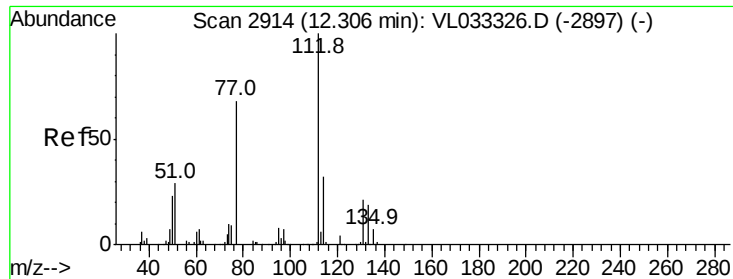
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.461 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Tgt Ion:131 Resp: 976073
Ion Ratio Lower Upper
131 100
133 94.0 76.7 115.1
119 62.8 40.3 60.5#





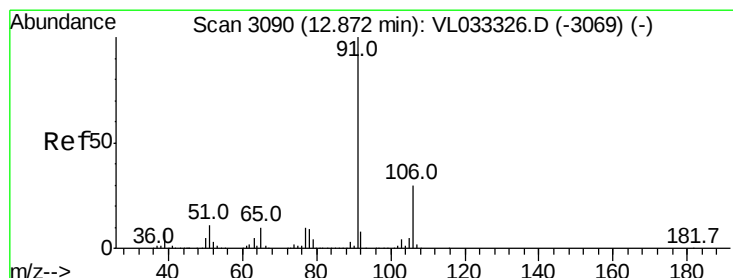
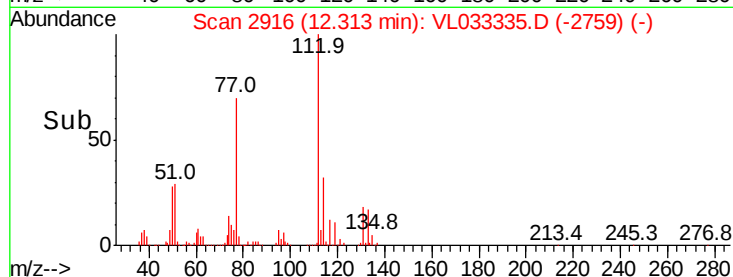
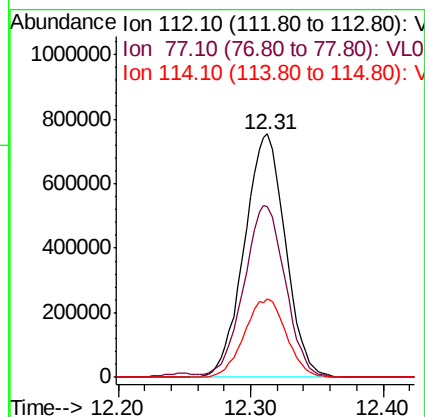
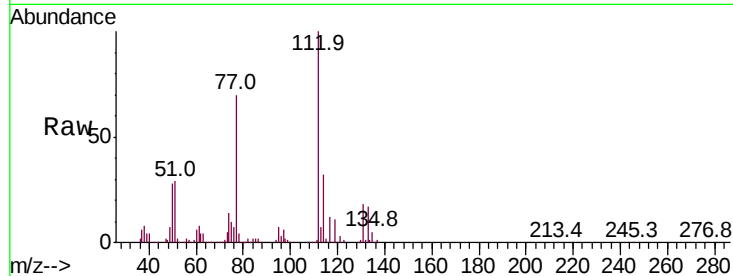
#57
Chlorobenzene
Concen: 8.897 ppbv
RT: 12.31 min Scan# 2916
Delta R.T. 0.01 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Instrument :
MSVOA_L
ClientSampleId :
VL0315ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	70.0	55.8	83.6
114	32.2	28.6	35.0

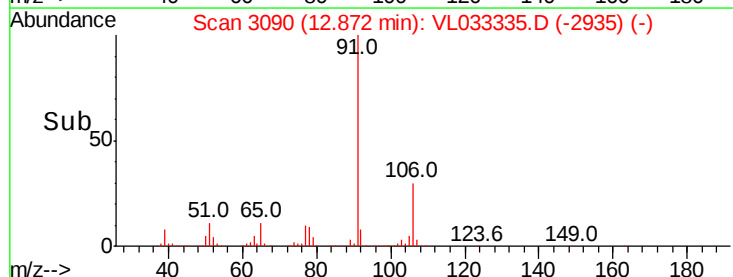
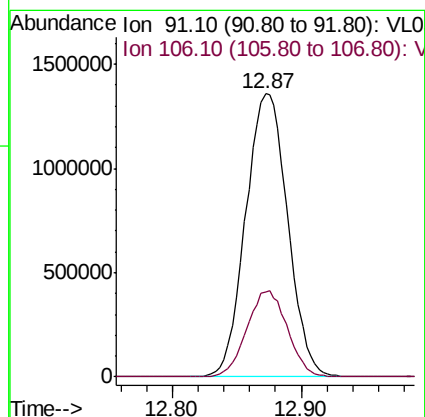
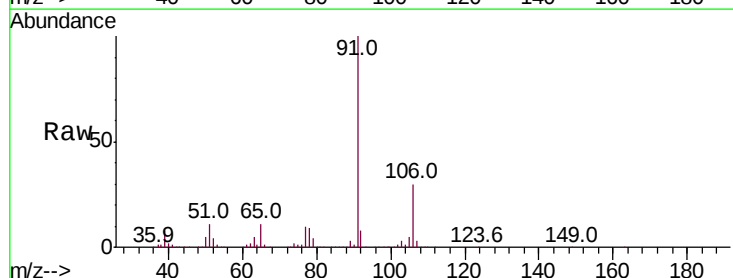
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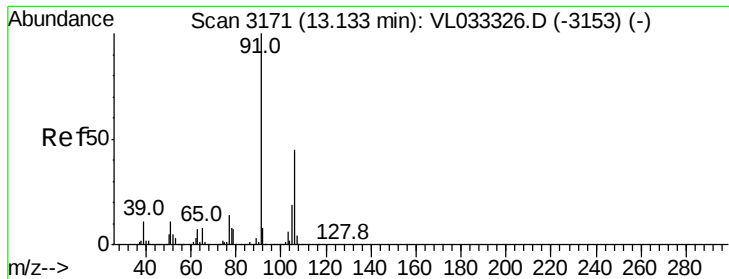
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#58
Ethyl Benzene
Concen: 9.430 ppbv
RT: 12.87 min Scan# 3090
Delta R.T. -0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.2	36.2





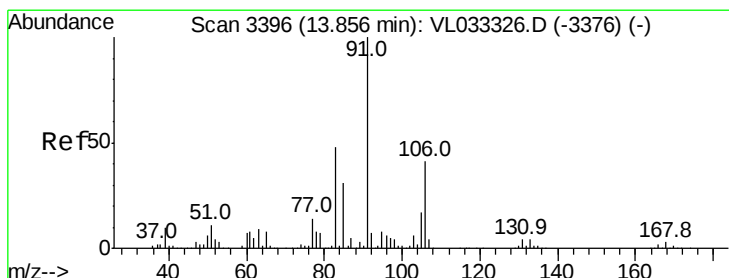
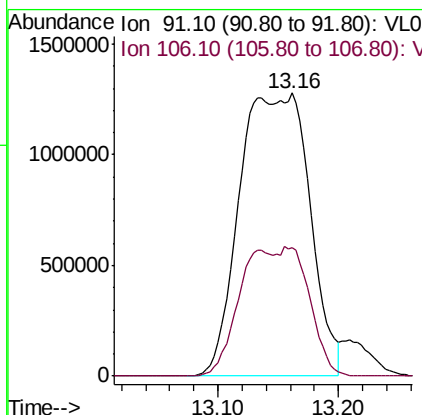
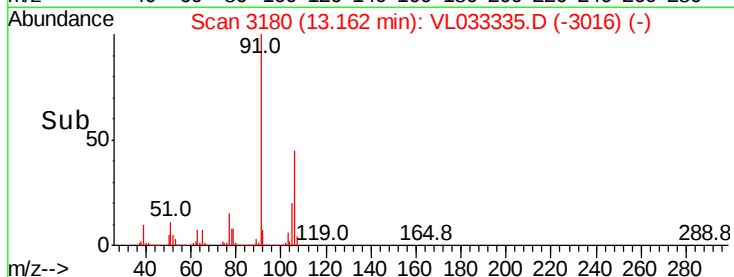
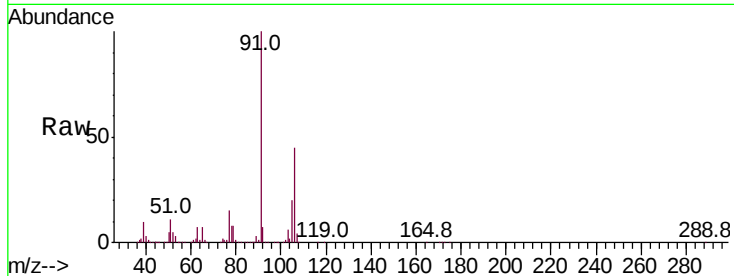
#59
m/p-Xylene
Concen: 18.446 ppbv m
RT: 13.16 min Scan# 3180
Delta R.T. 0.03 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Instrument :
MSVOA_L
ClientSampleId :
VL0315ABS01

Tot Ion: 91 Resp: 5171523
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

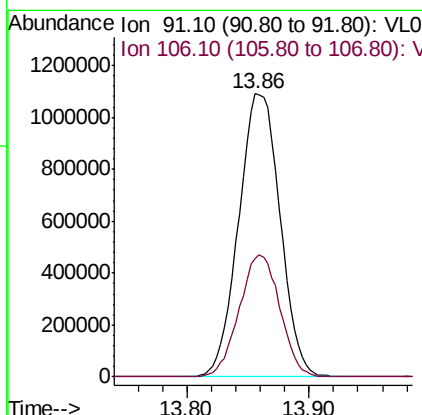
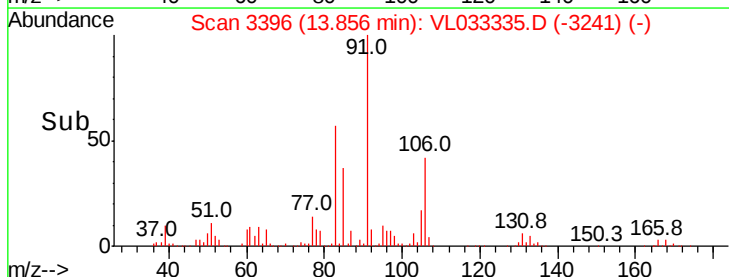
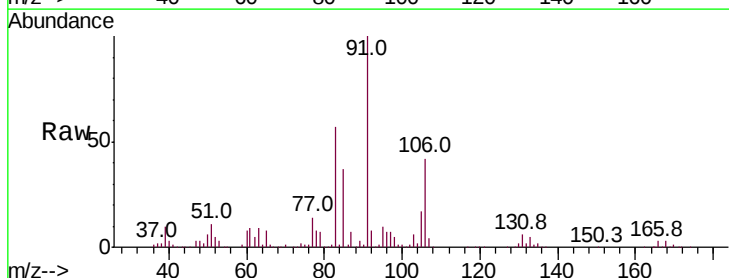
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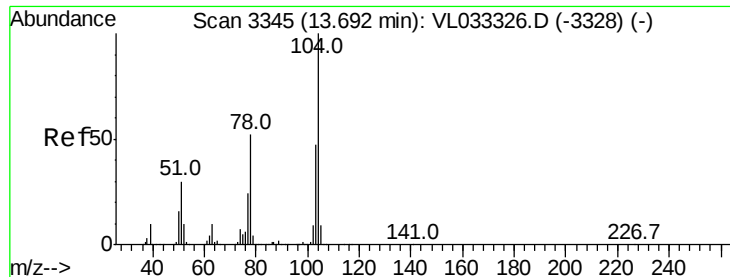
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#60
o-Xylene
Concen: 9.351 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Tgt Ion: 91 Resp: 2557654
Ion Ratio Lower Upper
91 100
106 42.6 21.3 63.9





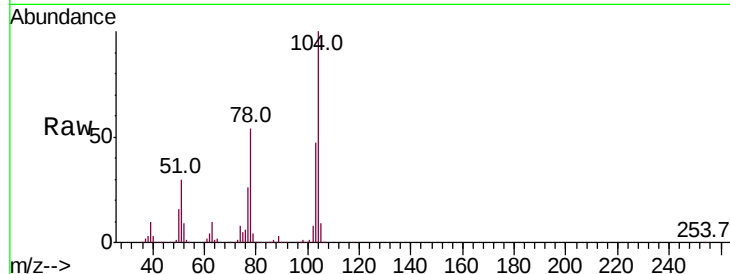
#61
Stvrene
Concen: 9.898 ppbv
RT: 13.70 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Instrument :
MSVOA_L
ClientSampleId :
VL0315ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.1	42.7	64.1
103	47.4	38.0	57.0

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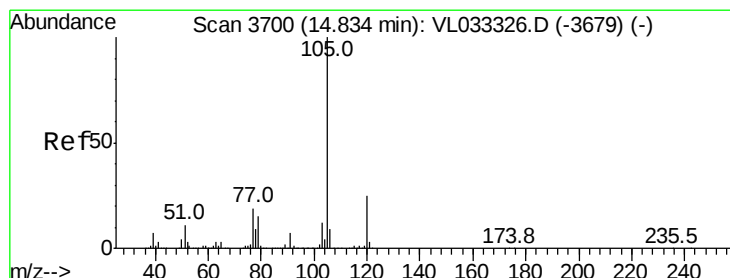
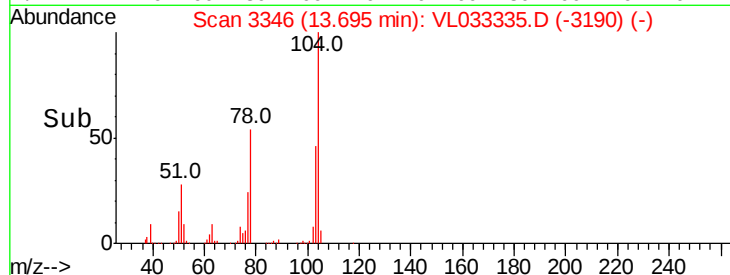
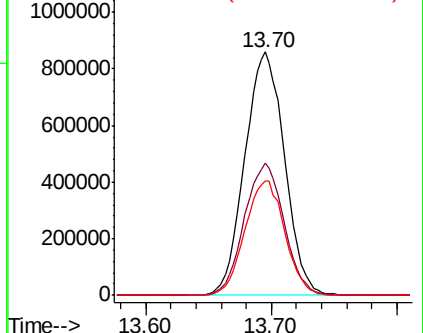


Abundance

Ion 104.10 (103.80 to 104.80): V

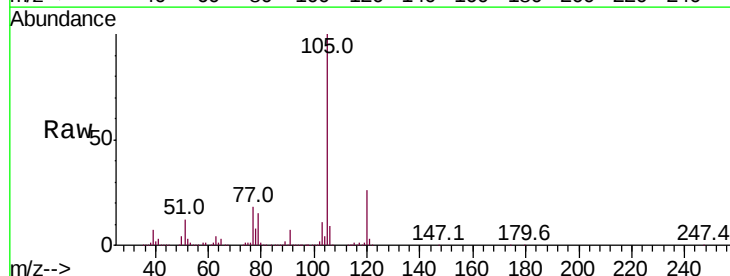
Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62
Isopropylbenzene
Concen: 9.324 ppbv
RT: 14.84 min Scan# 3701
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

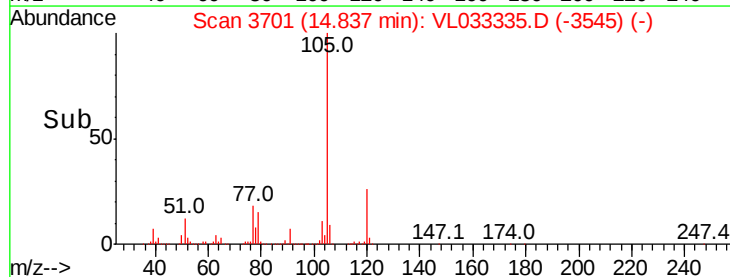
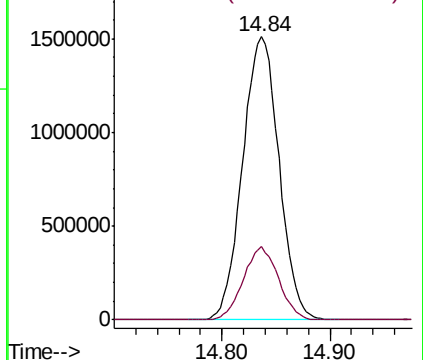
Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.1	19.9	29.9

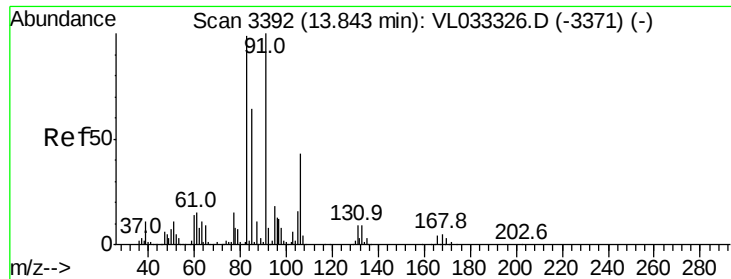


Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





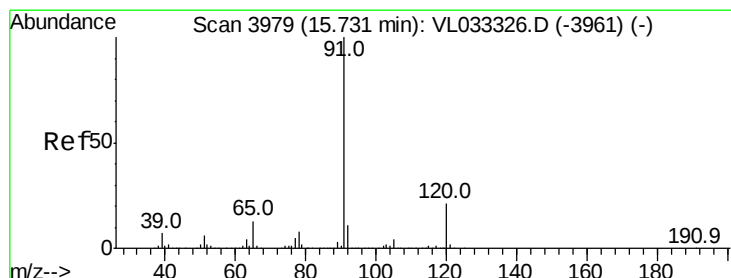
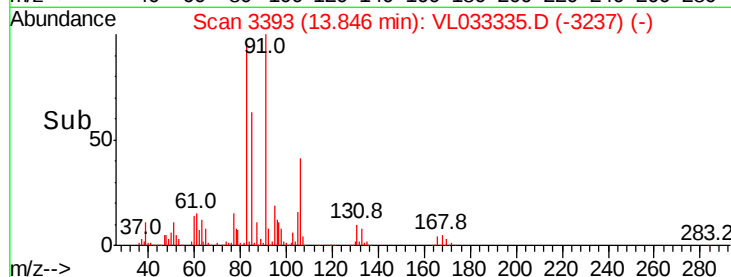
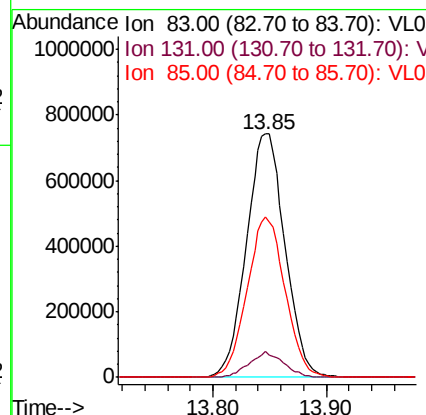
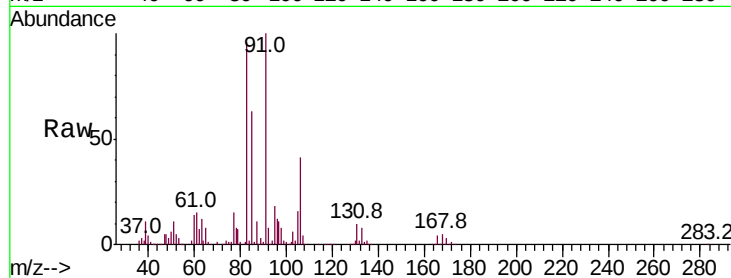
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.885 ppbv
 RT: 13.85 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0315ABS01

Tot Ion	83	Resp	1756813
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.7	14.0
85	65.0	32.5	97.4

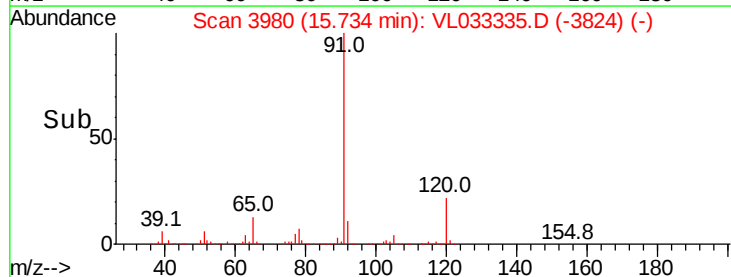
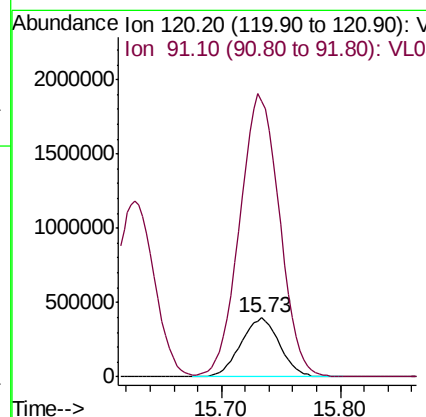
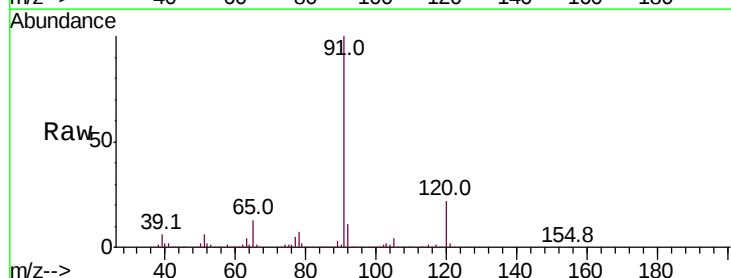
Manual Integrations
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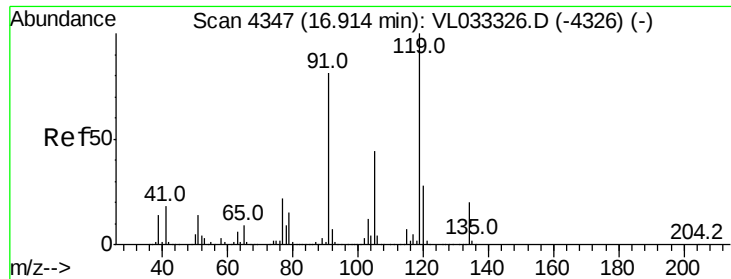
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 3/19/2019 10:02:31 AM



#64
 n-propylbenzene
 Concen: 9.352 ppbv
 RT: 15.73 min Scan# 3980
 Delta R.T. 0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

Tgt Ion	120	Resp	899895
Ion Ratio	Lower	Upper	
120	100		
91	491.8	389.8	584.6





#65

tert-Butylbenzene

Concen: 9.371 ppbv

RT: 16.92 min Scan# 4349

Delta R.T. 0.01 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

ClientSampleId :

VL0315ABS01

Tot Ion:119 Resp: 3208056

Ion Ratio Lower Upper

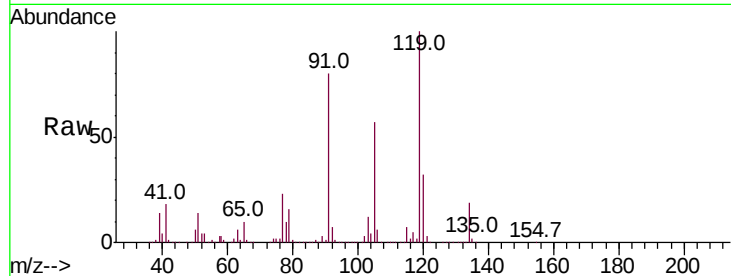
119 100

91 83.1 67.2 100.8

134 19.0 15.4 23.2

Manual Integrations
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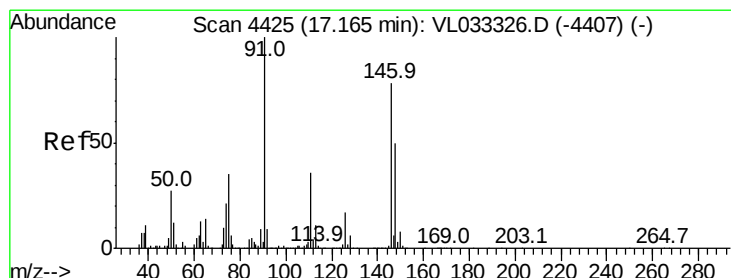
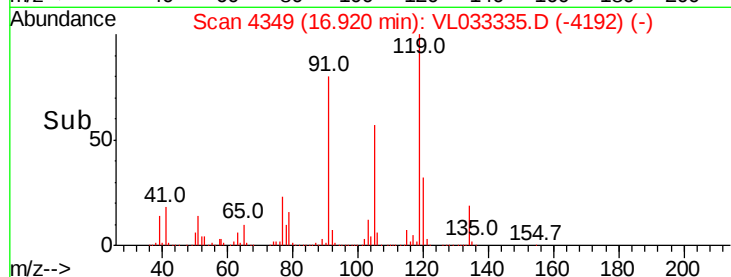
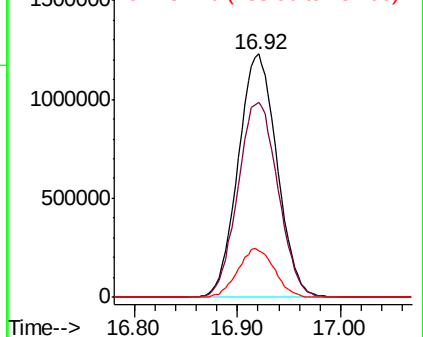
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3/19/2019 10:02:31 AM



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 12.293 ppbv

RT: 17.17 min Scan# 4426

Delta R.T. 0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

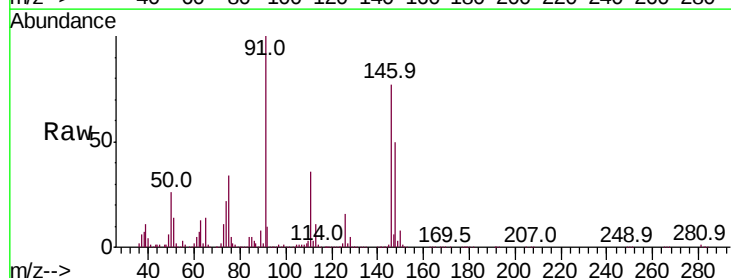
Tgt Ion: 91 Resp: 1739134

Ion Ratio Lower Upper

91 100

126 16.4 13.2 19.8

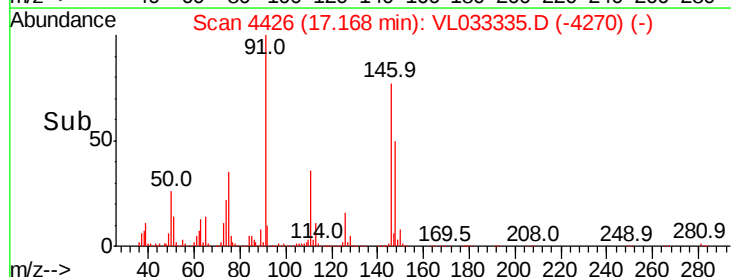
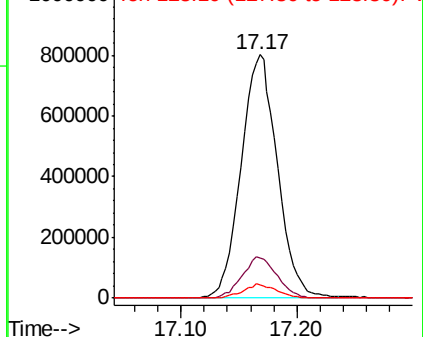
128 5.3 4.2 6.4

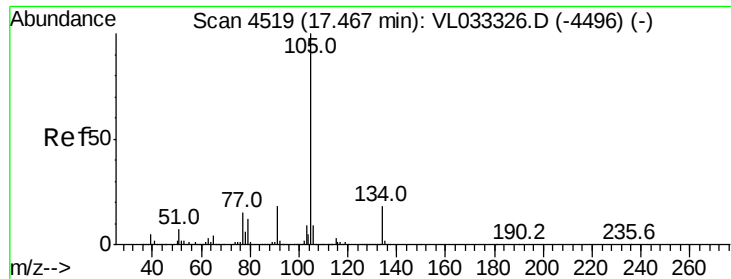


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.390 ppbv

RT: 17.47 min Scan# 4519

Delta R.T. -0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

ClientSampleId :

VL0315ABS01

Tot Ion:105 Resp: 4555104

Ion Ratio Lower Upper

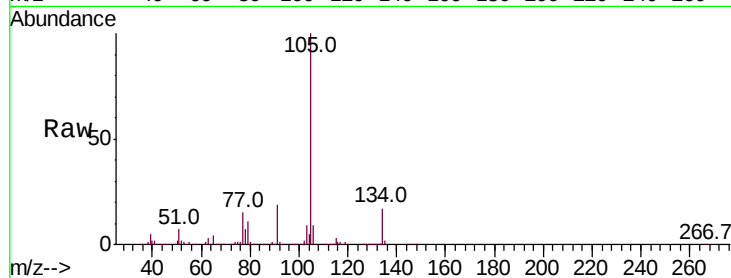
105 100

134 17.8 14.2 21.4

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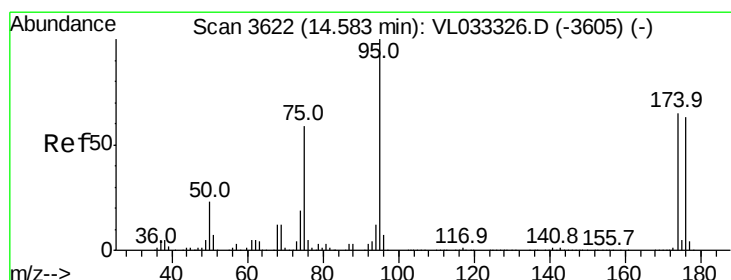
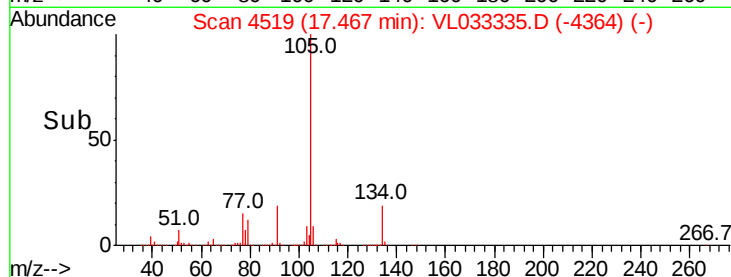
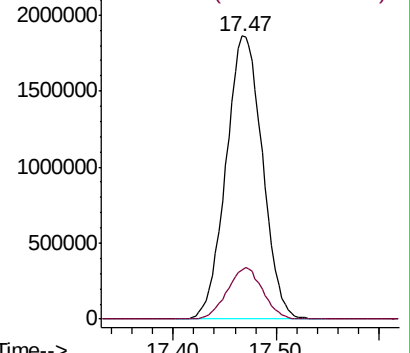
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.390 ppbv

RT: 14.59 min Scan# 3624

Delta R.T. 0.01 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

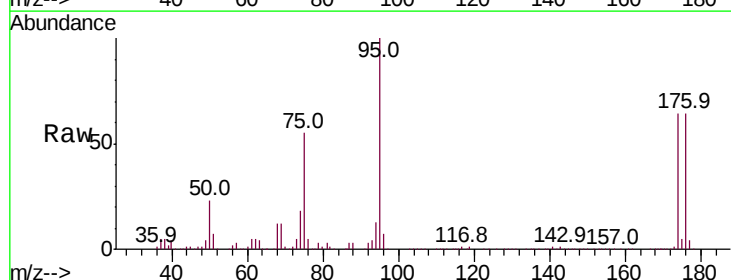
Tgt Ion: 95 Resp: 1604565

Ion Ratio Lower Upper

95 100

174 64.7 51.5 77.3

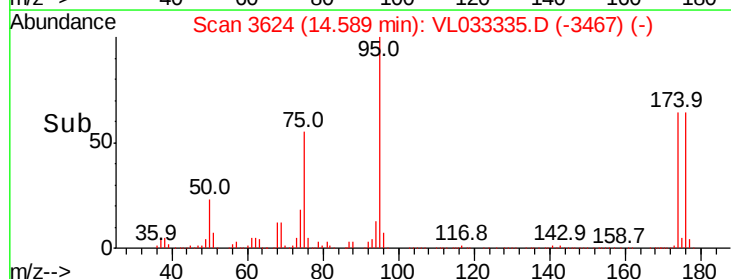
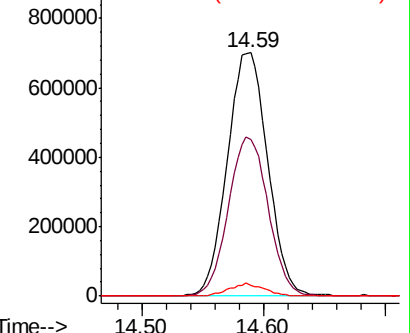
175 4.6 3.8 5.6

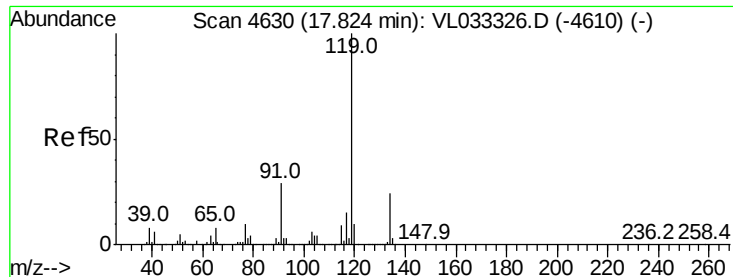


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





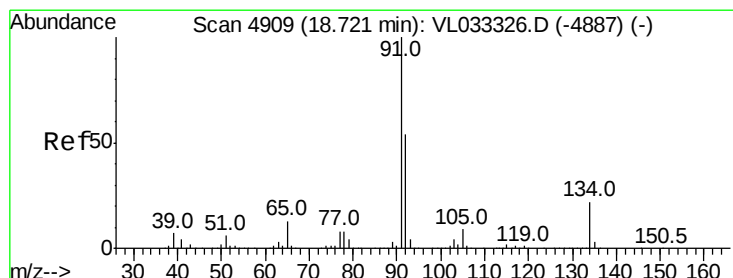
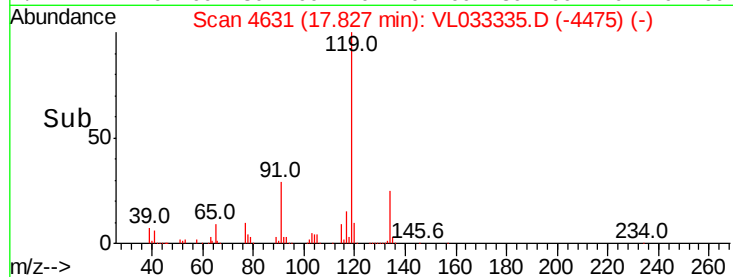
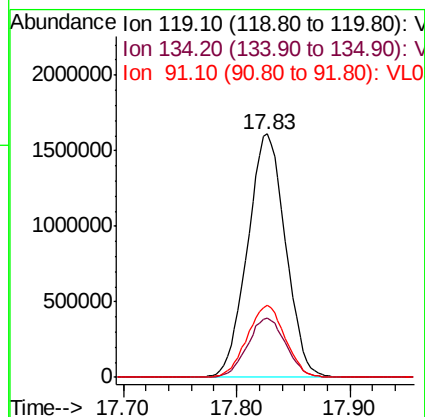
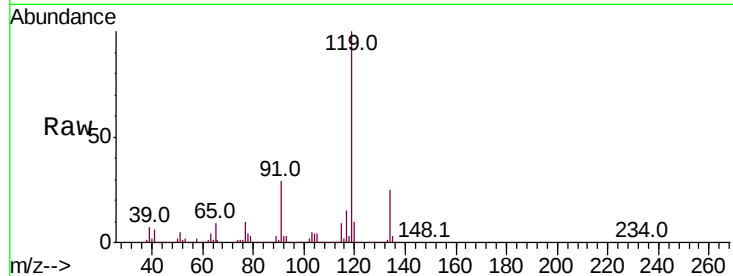
#69
p-Isopropyltoluene
Concen: 9.498 ppbv
RT: 17.83 min Scan# 4631
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Instrument :
MSVOA_L
ClientSampleId :
VL0315ABS01

Tot Ion: 119 Resp: 3764391
Ion Ratio Lower Upper
119 100
134 24.6 19.8 29.6
91 29.7 23.4 35.2

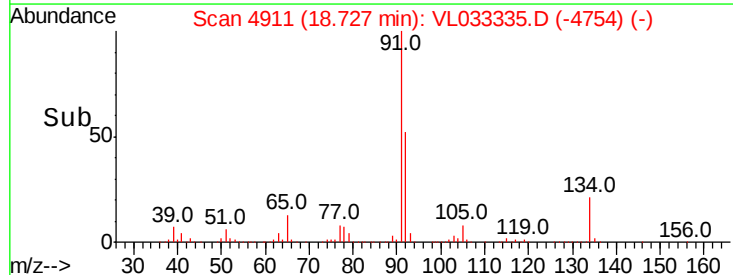
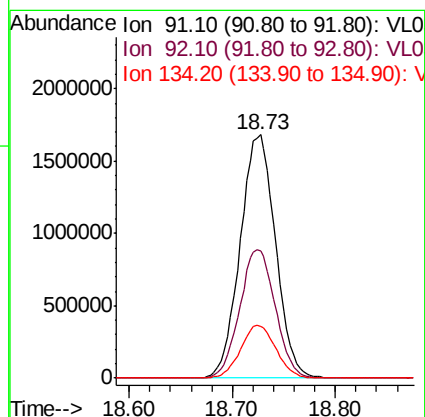
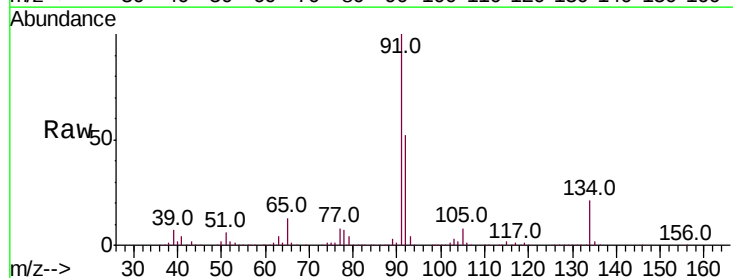
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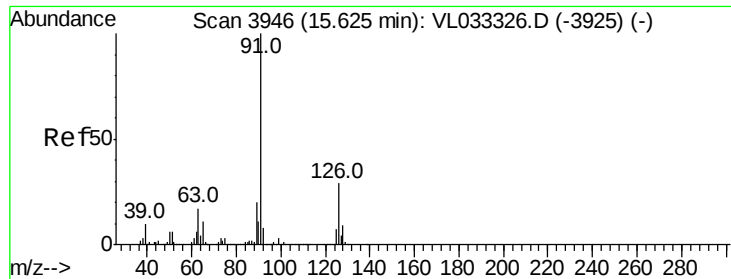
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#70
n-Butylbenzene
Concen: 9.453 ppbv
RT: 18.73 min Scan# 4911
Delta R.T. 0.01 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Tgt Ion: 91 Resp: 3994831
Ion Ratio Lower Upper
91 100
92 53.3 42.8 64.2
134 21.8 17.4 26.0





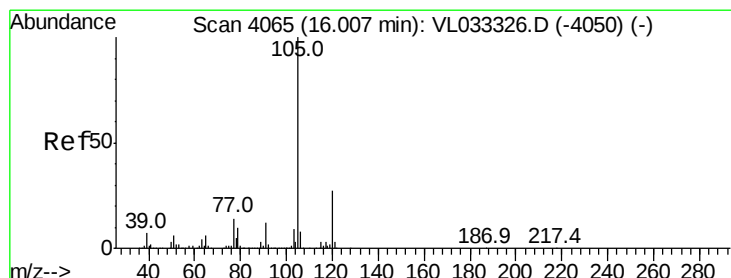
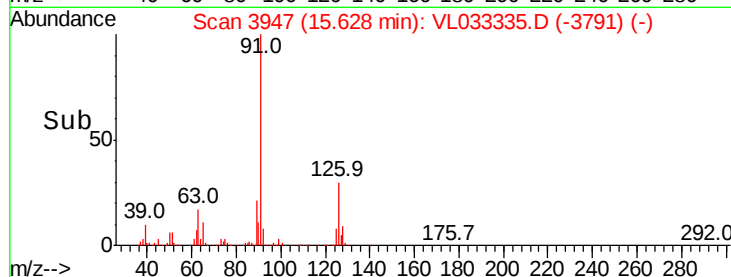
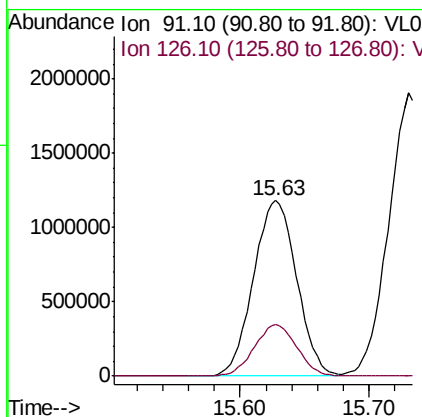
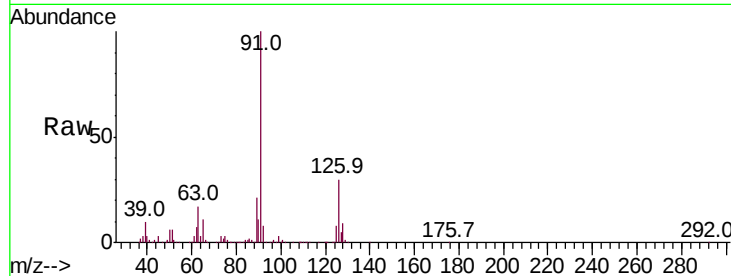
#71
2-Chlorotoluene
Concen: 9.334 ppbv
RT: 15.63 min Scan# 3947
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Instrument :
MSVOA_L
ClientSampleId :
VL0315ABS01

Tot Ion: 91 Resp: 2762976
Ion Ratio Lower Upper
91 100
126 29.0 11.6 46.6

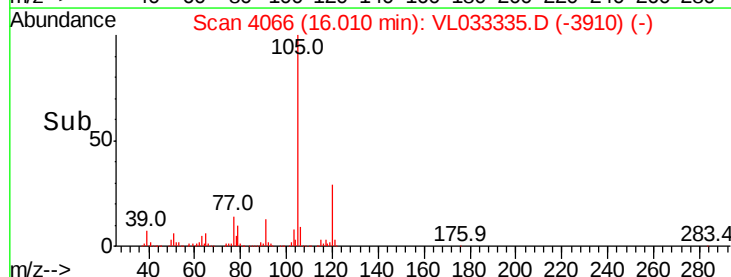
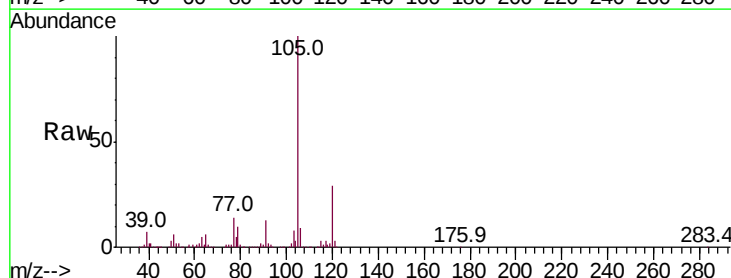
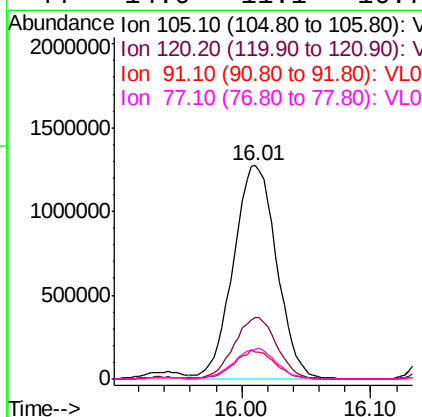
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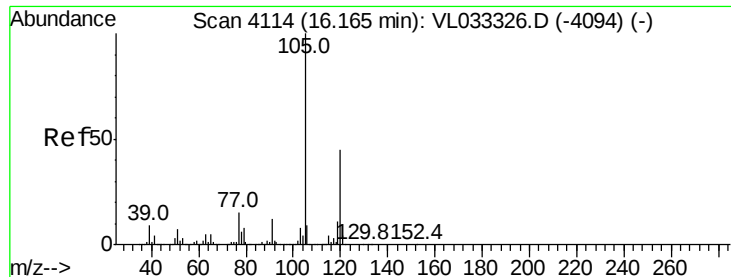
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#72
4-Ethyltoluene
Concen: 9.534 ppbv
RT: 16.01 min Scan# 4066
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Tgt Ion:105 Resp: 2961476
Ion Ratio Lower Upper
105 100
120 28.5 22.9 34.3
91 12.8 10.2 15.2
77 14.0 11.1 16.7





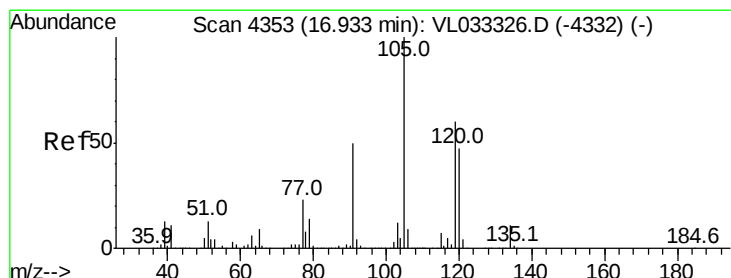
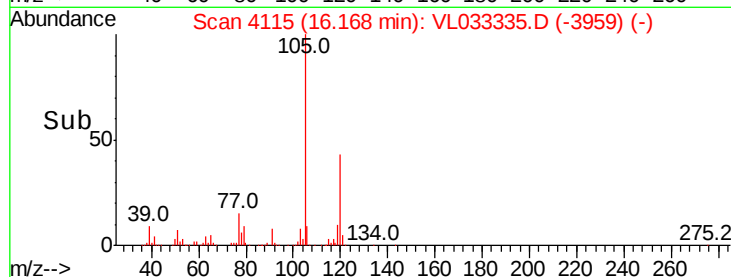
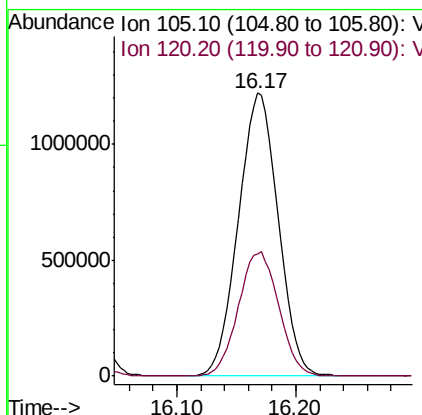
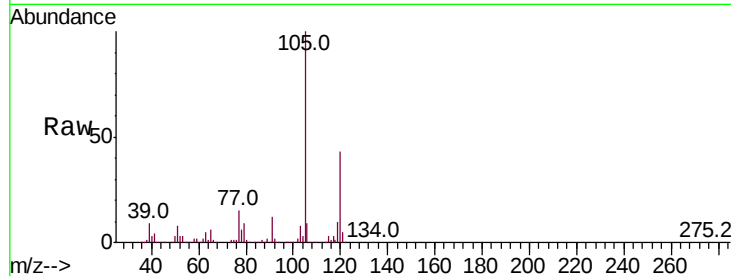
#73
 1,3,5-Trimethylbenzene
 Concen: 9.346 ppbv
 RT: 16.17 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0315ABS01

Tot Ion:105 Resp: 2827926
 Ion Ratio Lower Upper
 105 100
 120 43.2 36.2 54.4

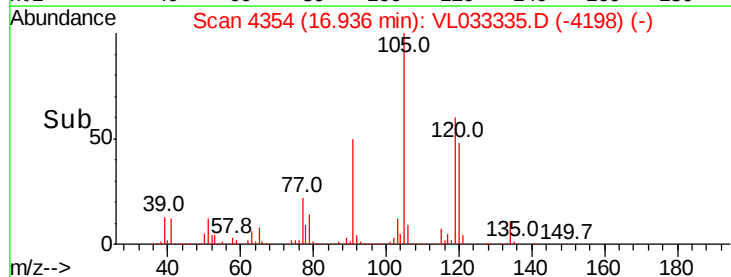
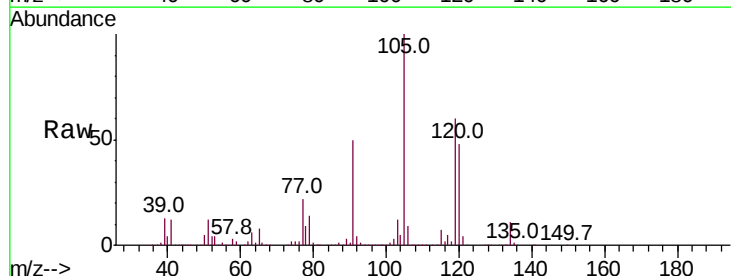
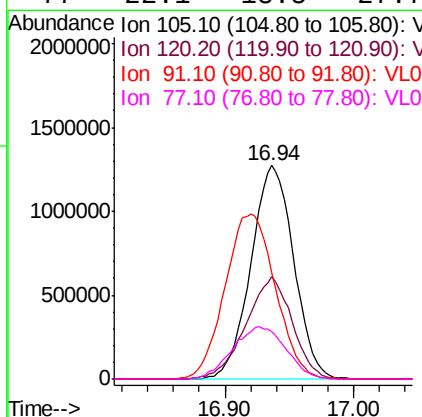
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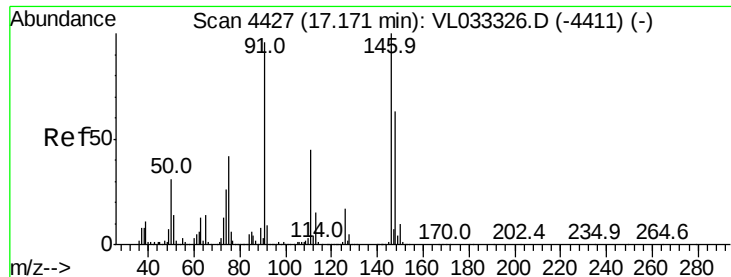
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.188 ppbv
 RT: 16.94 min Scan# 4354
 Delta R.T. 0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

Tgt Ion:105 Resp: 2944466
 Ion Ratio Lower Upper
 105 100
 120 47.7 37.4 56.2
 91 49.5 41.0 61.4
 77 22.1 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 8.965 ppbv

RT: 17.17 min Scan# 4428

Delta R.T. 0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

ClientSampleId :

VL0315ABS01

Tot Ion:146 Resp: 1693275

Ion Ratio Lower Upper

146 100

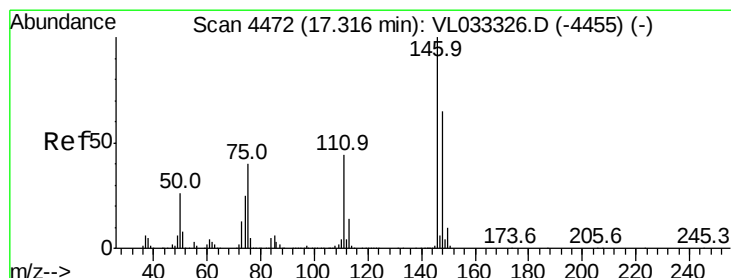
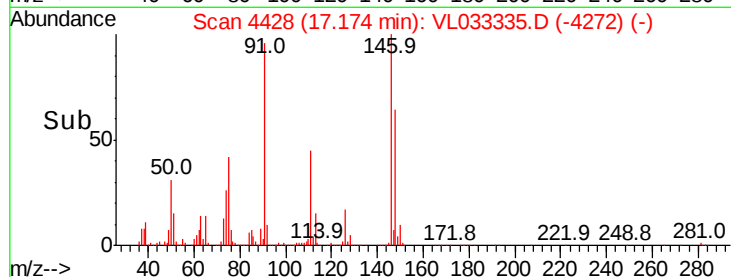
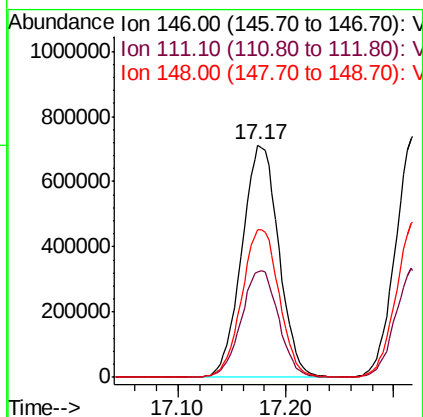
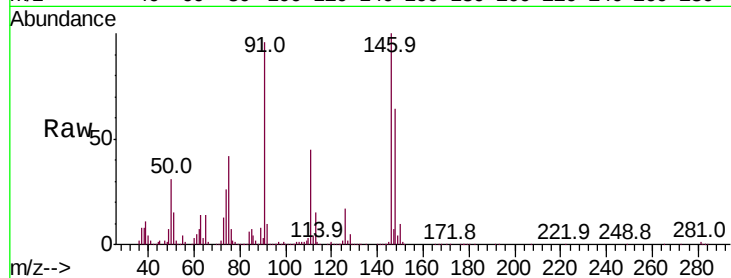
111 46.2 22.8 68.3

148 64.5 31.9 95.7

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 9.238 ppbv

RT: 17.32 min Scan# 4473

Delta R.T. 0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

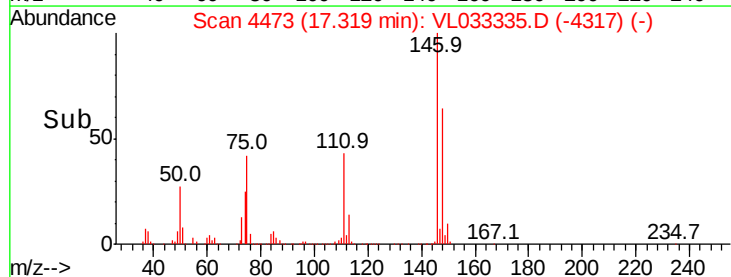
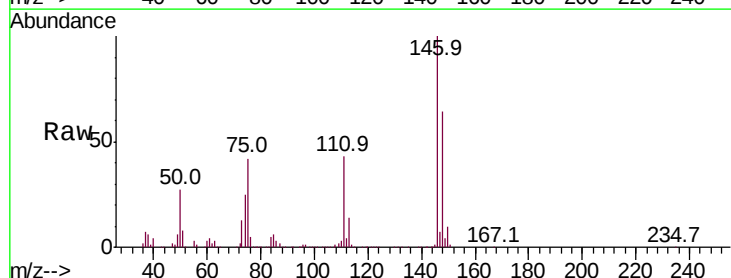
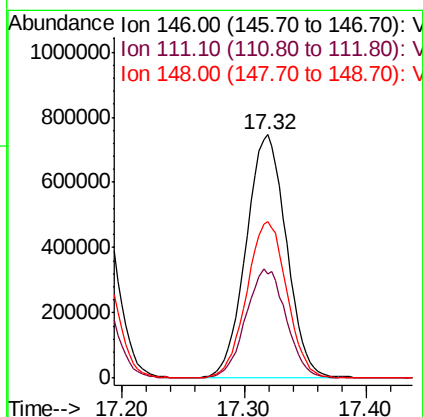
Tgt Ion:146 Resp: 1689388

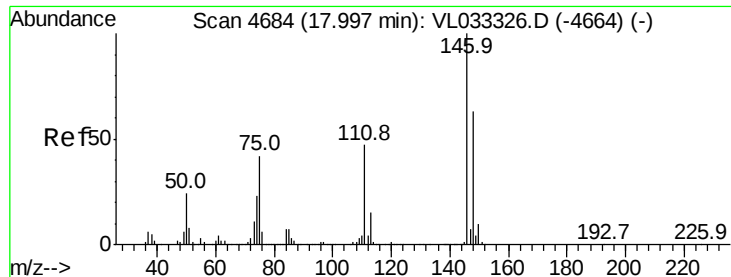
Ion Ratio Lower Upper

146 100

111 45.3 21.9 65.7

148 64.7 32.1 96.5





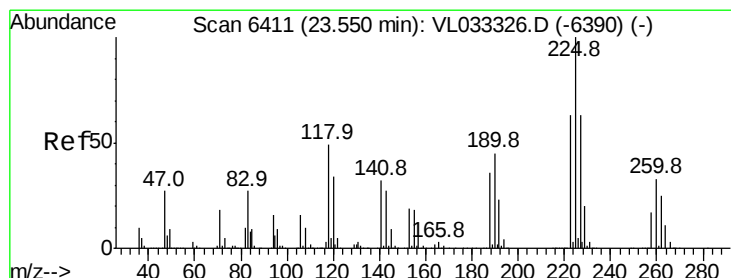
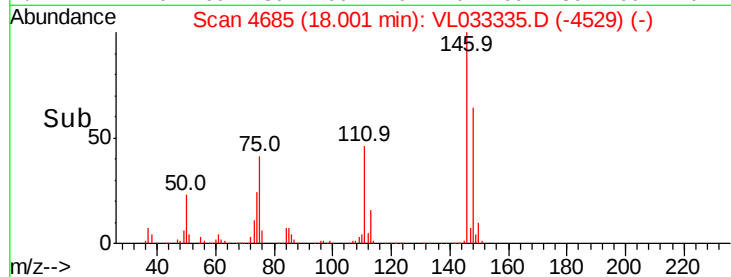
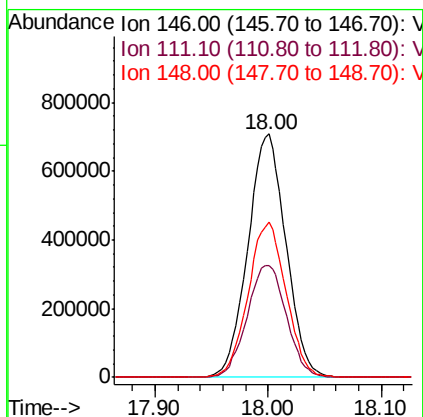
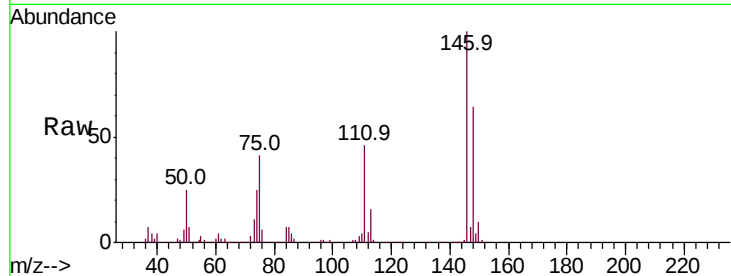
#77
 1,2-Dichlorobenzene
 Concen: 9.239 ppbv
 RT: 18.00 min Scan# 4685
 Delta R.T. 0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0315ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.6	23.5	70.6
148	63.7	31.9	95.9

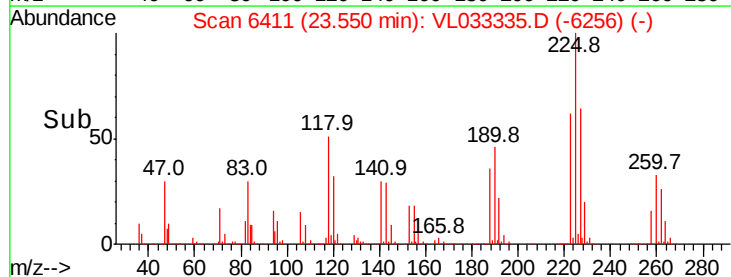
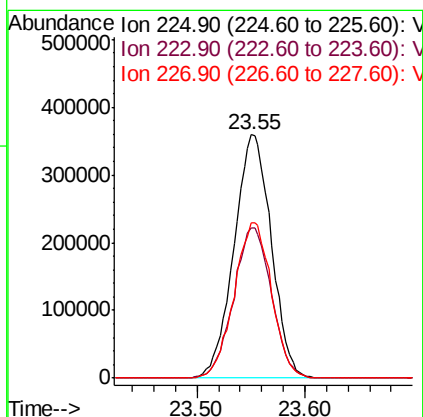
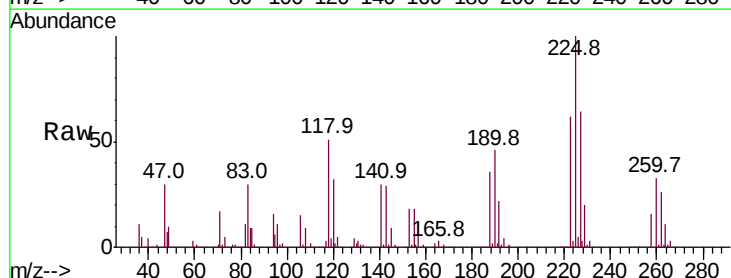
Manual Integrations
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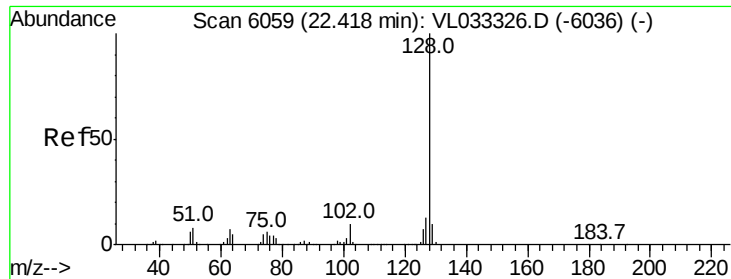
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.062 ppbv
 RT: 23.55 min Scan# 6411
 Delta R.T. -0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.4	75.6
227	64.1	50.5	75.7





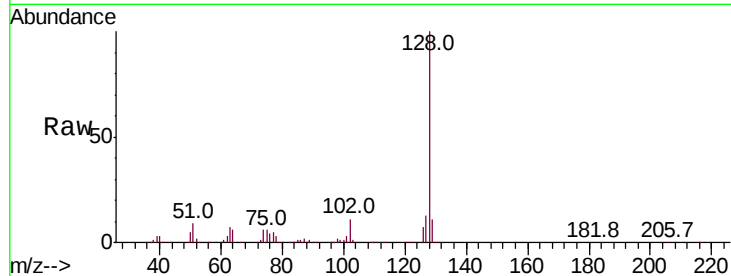
#79
Naphthalene
Concen: 9.376 ppbv
RT: 22.42 min Scan# 6060
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Instrument :
MSVOA_L
ClientSampled :
VL0315ABS01

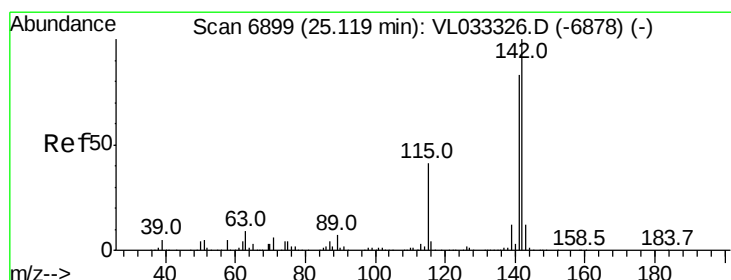
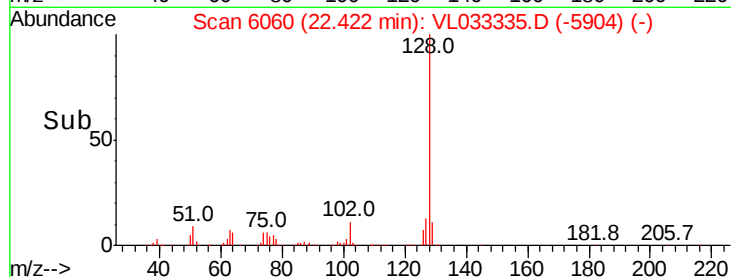
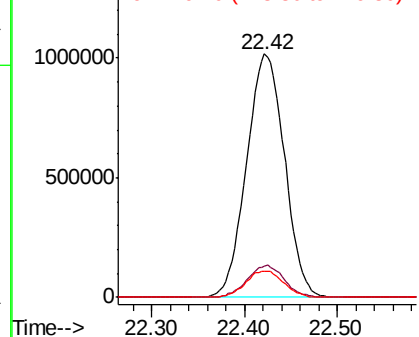
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.1	15.1
129	10.7	8.2	12.2

Manual Integrations
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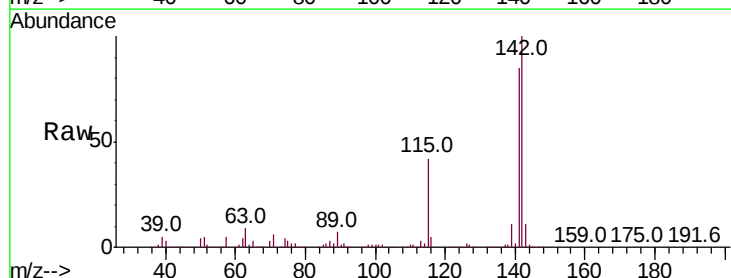


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

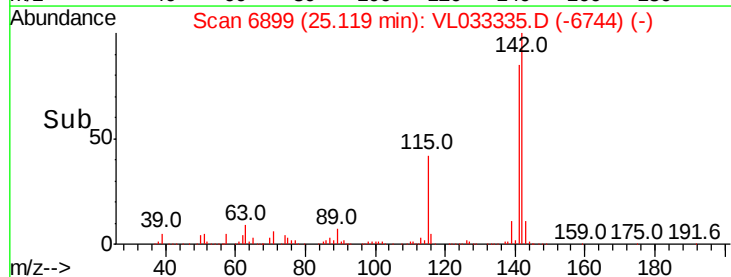
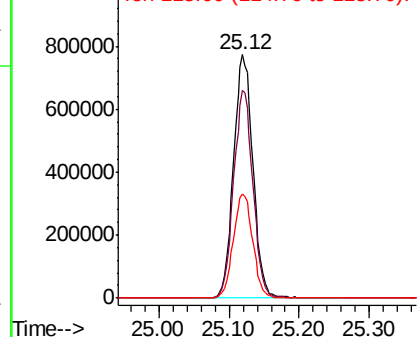


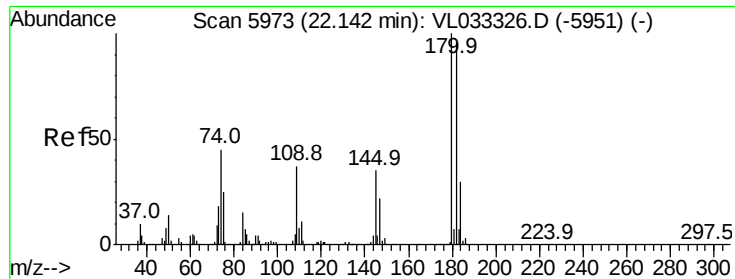
#80
Naphthalene, 2-methyl-
Concen: 10.155 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. -0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.0	67.1	100.7
115	43.3	33.8	50.6



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.191 ppbv
 RT: 22.15 min Scan# 5974
 Delta R.T. 0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0315ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.1	114.1
184	30.5	24.6	37.0

Manual Integrations
 APPROVED

MMDadoda
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