

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052919\
 Data File : VL033842.D
 Acq On : 29 May 2019 18:50
 Operator : SY/AP
 Sample : VL0529ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0529ABS01

Manual Integrations
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 5/31/2019 12:45:12 PM

Quant Time: May 30 02:21:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 1
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	713094	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1853817	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	1875751m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1498883	9.86	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	1191683	7.930	ppbv	100
3) Chlorodifluoromethane	3.01	51	880258	10.777	ppbv	98
4) Chloromethane	3.17	50	497473	10.648	ppbv	99
5) Vinyl Chloride	3.29	62	506720	10.647	ppbv	95
6) Bromomethane	3.51	94	316664	10.905	ppbv	99
7) Chloroethane	3.60	64	181856	10.752	ppbv	96
8) Dichlorotetrafluoroethane	3.22	85	1322375	10.915	ppbv	98
9) Propene	3.03	41	369350	10.631	ppbv	99
10) Heptane	8.24	43	1075397	10.931	ppbv	100
11) Trichlorofluoromethane	4.00	101	1584652	11.048	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1060660	10.590	ppbv	99
13) Ethanol	3.65	45	85037	7.573	ppbv	99
14) Bromoethene	3.78	108	420491	11.420	ppbv	98
15) Acetone	3.89	43	967159	9.775	ppbv	99
16) 1,3-Butadiene	3.36	39	451089	11.449	ppbv	100
17) tert-Butyl alcohol	4.35	59	915793	11.447	ppbv	100
18) 1,1-Dichloroethene	4.35	96	463952	10.975	ppbv	97
19) Isopropyl Alcohol	4.02	45	684122	10.724	ppbv #	98
20) Methylene Chloride	4.40	84	395364	10.379	ppbv	100
21) Allyl Chloride	4.47	41	669004	10.841	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	480171	11.081	ppbv	91
23) Vinyl Acetate	5.15	43	1414009	10.839	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1023526	10.321	ppbv	99
25) Ethyl Acetate	5.76	43	1744351	10.036	ppbv	100
26) Hexane	5.77	57	758844	10.156	ppbv	97
27) Carbon Disulfide	4.62	76	1156452	11.282	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1315163	10.797	ppbv	100
29) Chloroform	5.85	83	1504962	10.935	ppbv	99
30) Cyclohexane	7.24	84	705896	11.238	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	785445	10.602	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1396904	10.165	ppbv	99
34) 2-Butanone	5.33	43	1128670	9.822	ppbv	99
35) Carbon Tetrachloride	7.13	117	1613054	10.862	ppbv	99
36) Benzene	7.00	78	1707972	10.128	ppbv	100
37) 1,2-Dichloroethane	6.41	62	1104854	10.157	ppbv	98
38) Trichloroethene	7.96	130	738272	11.798	ppbv	98
39) 1,2-Dichloropropane	7.73	63	658309	10.471	ppbv	98
40) 1,4-Dioxane	7.95	88	265950	10.112	ppbv #	99
41) Tetrahydrofuran	6.14	42	707478	10.989	ppbv	99
42) Bromodichloromethane	7.91	83	1632588	10.963	ppbv	98
43) Methyl Methacrylate	8.13	69	690234	11.122	ppbv	99

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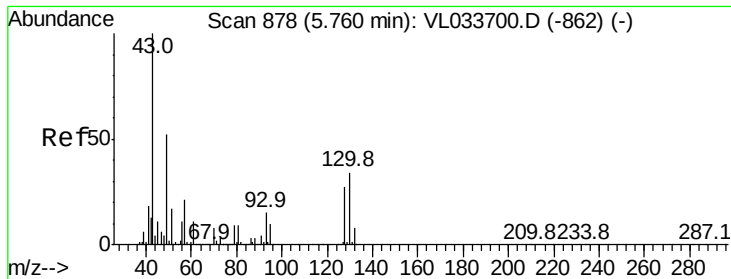
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 1
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	2997175	10.516	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	883048	11.224	ppbv	99
46) cis-1,3-Dichloropropene	8.83	75	1039979	11.289	ppbv	99
47) 1,1,2-Trichloroethane	9.61	97	675051	9.451	ppbv	98
48) Dibromochloromethane	10.44	129	1305443	10.549	ppbv	99
49) Bromoform	13.20	173	1244014	11.947	ppbv	100
50) 4-Methyl-2-Pentanone	8.86	43	1856396	10.503	ppbv	100
51) 2-Hexanone	10.26	43	1484343	10.761	ppbv #	98
52) Tetrachloroethene	11.37	164	628945	10.610	ppbv	96
53) Toluene	9.94	91	1937184	10.651	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1101054	10.102	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.27	131	892420	10.282	ppbv	96
57) Chlorobenzene	12.29	112	1536590	9.952	ppbv	98
58) Ethyl Benzene	12.86	91	2839483	11.431	ppbv	99
59) m/p-Xylene	13.14	91	4848583m	22.330	ppbv	
60) o-Xylene	13.84	91	2371706	10.835	ppbv	100
61) Styrene	13.68	104	1736807	11.785	ppbv	99
62) Isopropylbenzene	14.82	105	3159037	10.717	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	1664796	10.459	ppbv	100
64) n-propylbenzene	15.72	120	823940	10.806	ppbv	96
65) tert-Butylbenzene	16.90	119	3002544	11.156	ppbv	99
66) Benzyl Chloride	17.15	91	1508507	11.768	ppbv	99
67) sec-Butylbenzene	17.45	105	4203409	11.159	ppbv	99
69) p-Isopropyltoluene	17.81	119	3532399	11.345	ppbv	99
70) n-Butylbenzene	18.71	91	3670150	10.992	ppbv	99
71) 2-Chlorotoluene	15.61	91	2421837	11.074	ppbv	100
72) 4-Ethyltoluene	16.00	105	2893925	11.563	ppbv	100
73) 1,3,5-Trimethylbenzene	16.15	105	2761532	11.309	ppbv	99
74) 1,2,4-Trimethylbenzene	16.92	105	2880633	10.840	ppbv	98
75) 1,3-Dichlorobenzene	17.16	146	1665967	10.230	ppbv	100
76) 1,4-Dichlorobenzene	17.30	146	1639511	10.593	ppbv	99
77) 1,2-Dichlorobenzene	17.98	146	1616818	10.566	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	929650	8.036	ppbv	99
79) Naphthalene	22.40	128	2126975	8.617	ppbv	98
80) Naphthalene, 2-methyl-	25.11	142	562396	5.996	ppbv	97
81) 1,2,4-Trichlorobenzene	22.13	180	1254188	8.677	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.00 min

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MSVOA_L

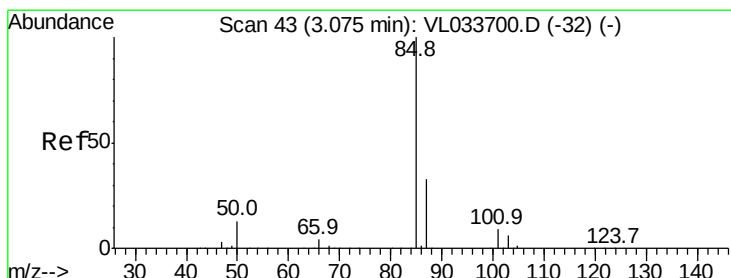
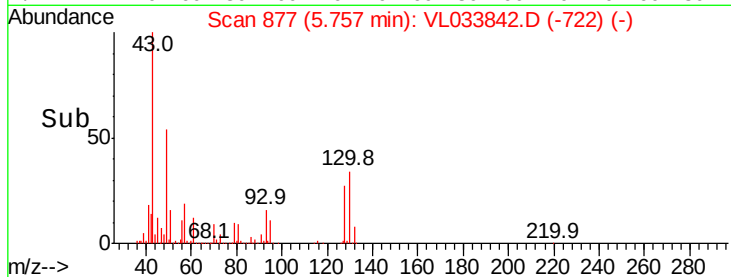
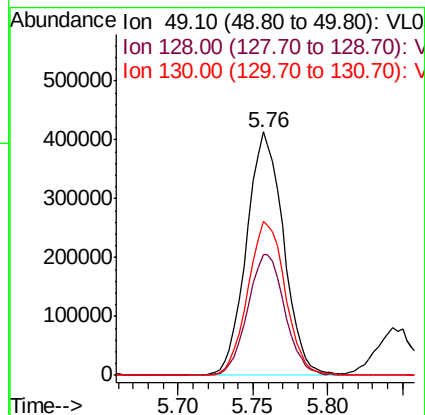
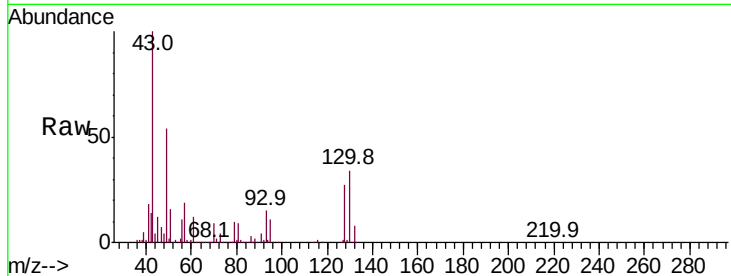
ClientSampled :

VL0529ABS01

Tot Ion	Ratio	Lower	Upper
49	100		
128	50.2	25.2	75.6
130	64.1	32.5	97.5

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#2

Dichlorodifluoromethane

Concen: 7.930 ppbv

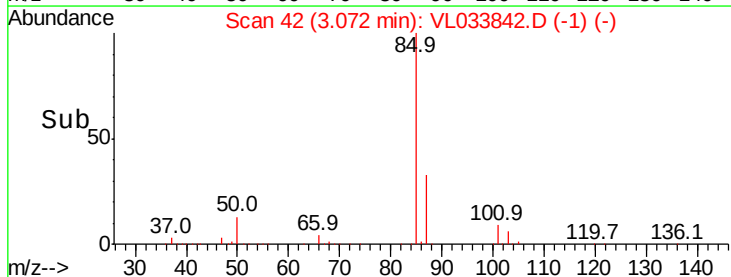
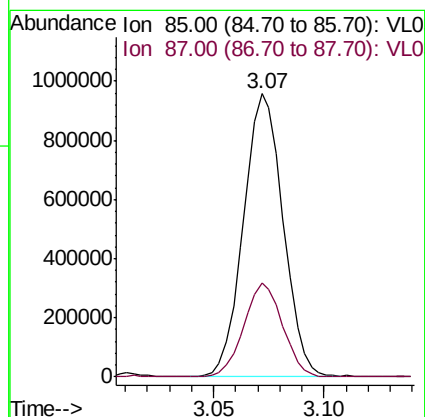
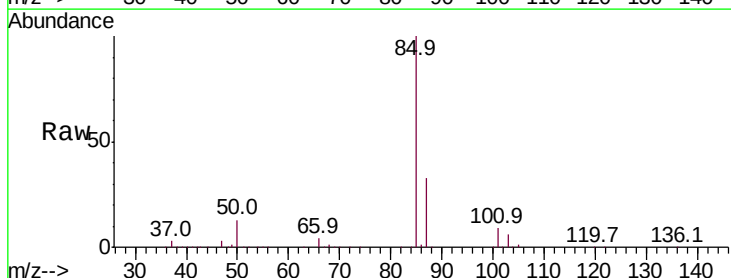
RT: 3.07 min Scan# 42

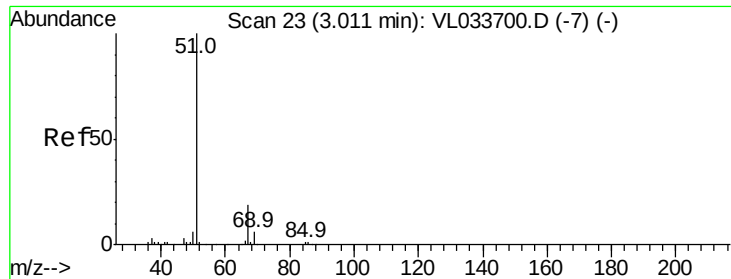
Delta R.T. -0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.0	26.3	39.5





#3

Chlorodifluoromethane

Concen: 10.777 ppbv

RT: 3.01 min Scan# 23

Delta R.T. 0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Tot Ion: 51 Resp: 880258

Ion Ratio Lower Upper

51 100

67 20.3 15.6 23.4

Instrument :

MSVOA_L

ClientSampleId :

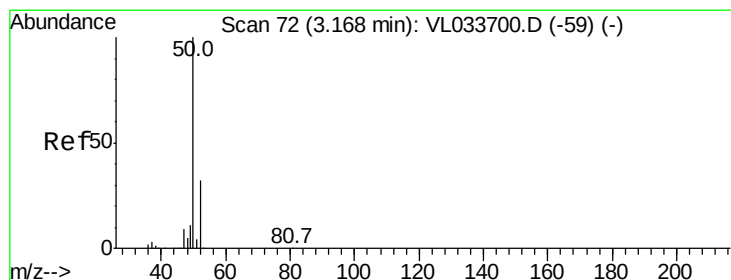
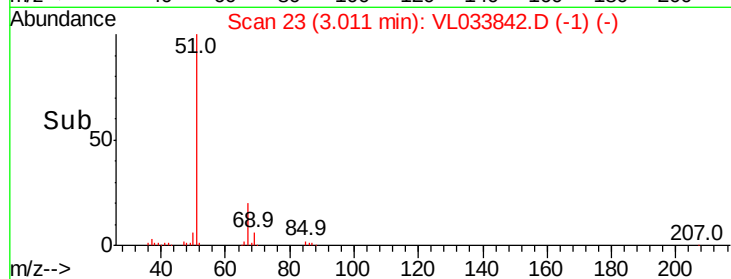
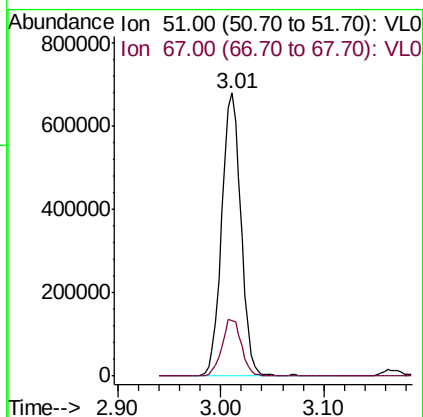
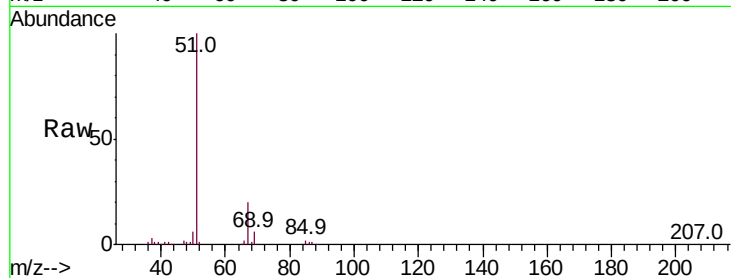
VL0529ABS01

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#4

Chloromethane

Concen: 10.648 ppbv

RT: 3.17 min Scan# 71

Delta R.T. -0.00 min

Lab File: VL033842.D

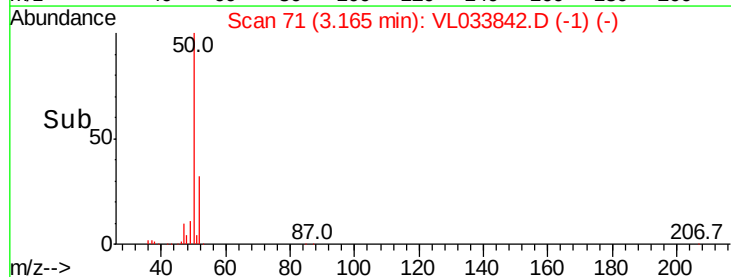
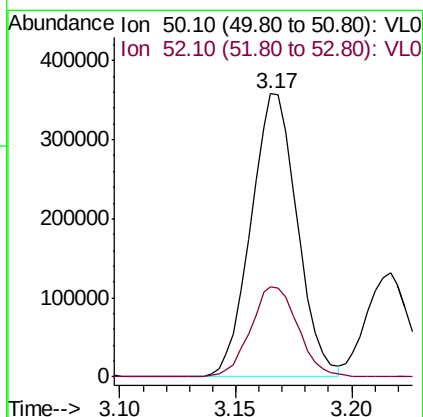
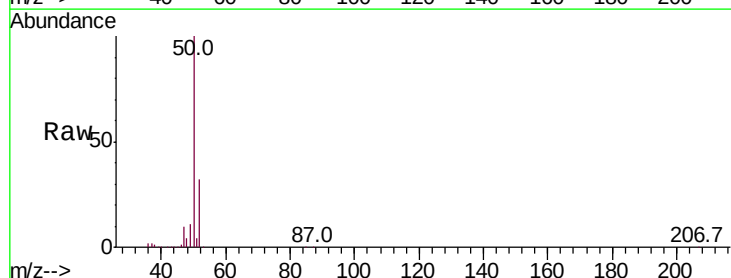
Acq: 29 May 2019 18:50

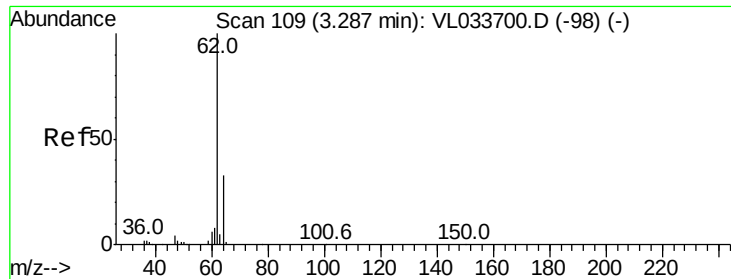
Tgt Ion: 50 Resp: 497473

Ion Ratio Lower Upper

50 100

52 31.7 25.7 38.5





#5

Vinyl Chloride

Concen: 10.647 ppbv

RT: 3.29 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tot Ion: 62 Resp: 506720

Ion Ratio Lower Upper

62 100

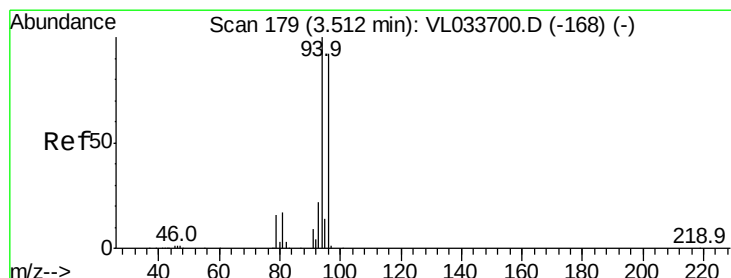
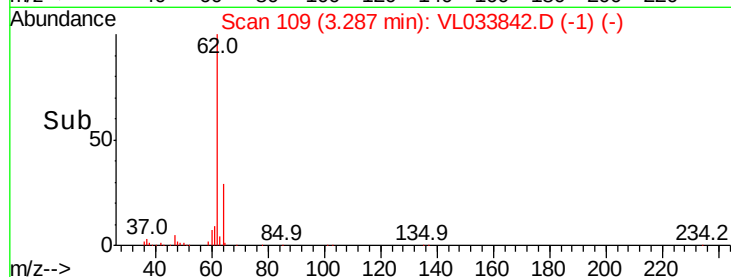
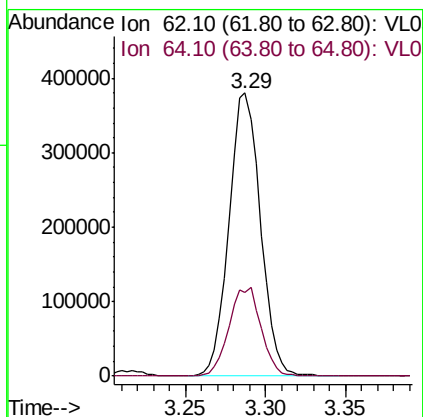
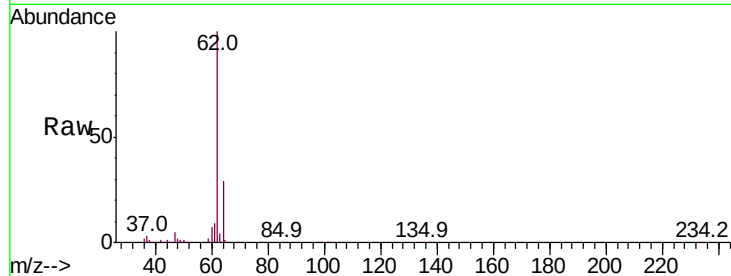
64 30.1 26.4 39.6

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#6

Bromomethane

Concen: 10.905 ppbv

RT: 3.51 min Scan# 178

Delta R.T. -0.00 min

Lab File: VL033842.D

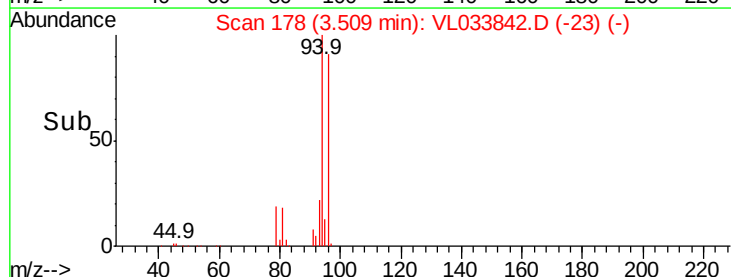
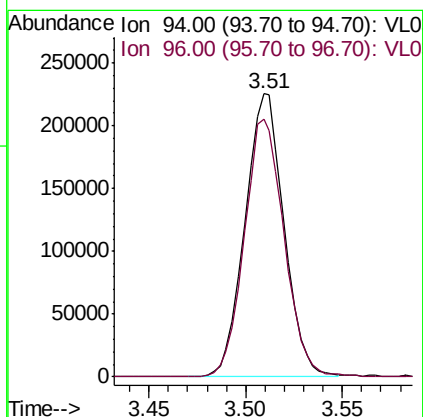
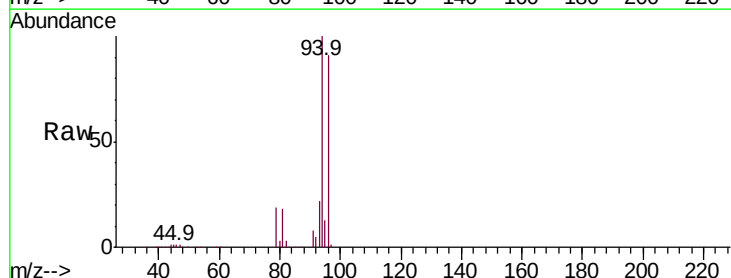
Acq: 29 May 2019 18:50

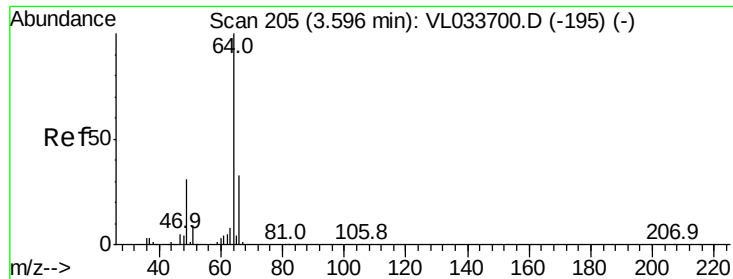
Tgt Ion: 94 Resp: 316664

Ion Ratio Lower Upper

94 100

96 91.1 73.6 110.4





#7

Chloroethane

Concen: 10.752 ppbv

RT: 3.60 min Scan# 205

Delta R.T. 0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tot Ion: 64 Resp: 181856

Ion Ratio Lower Upper

64 100

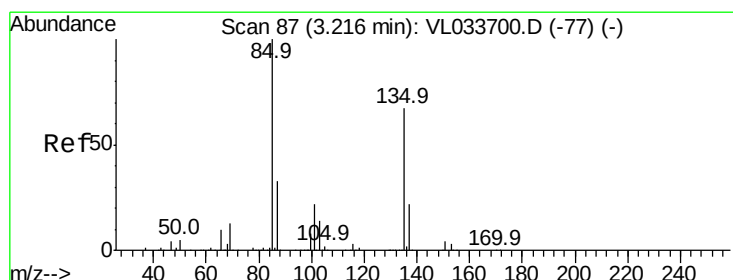
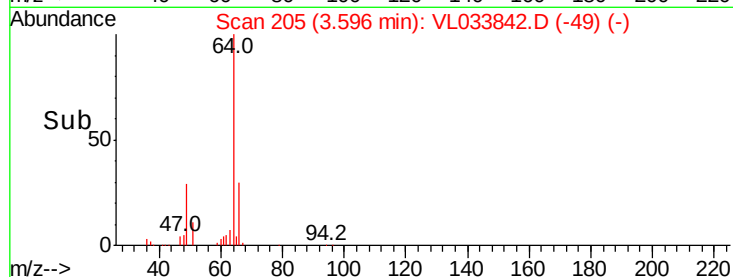
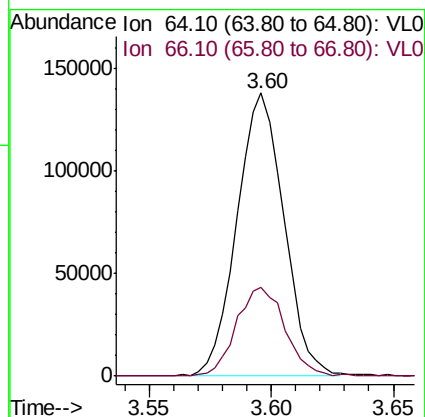
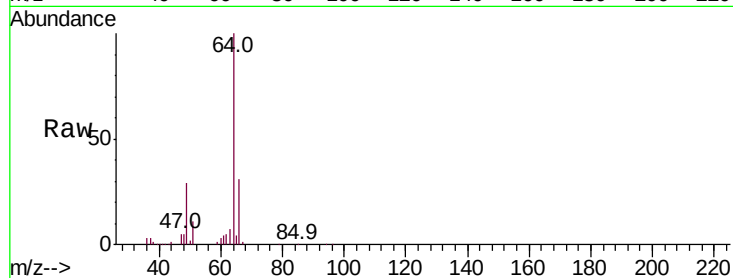
66 31.2 26.6 40.0

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#8

Dichlorotetrafluoroethane

Concen: 10.915 ppbv

RT: 3.22 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL033842.D

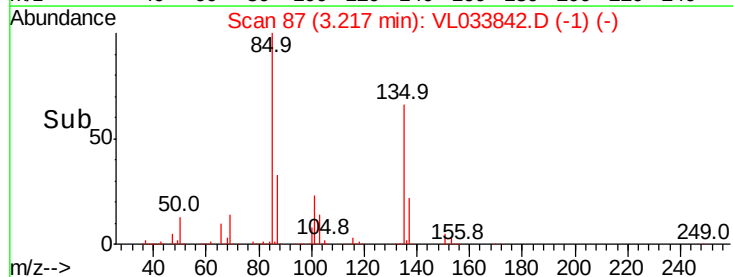
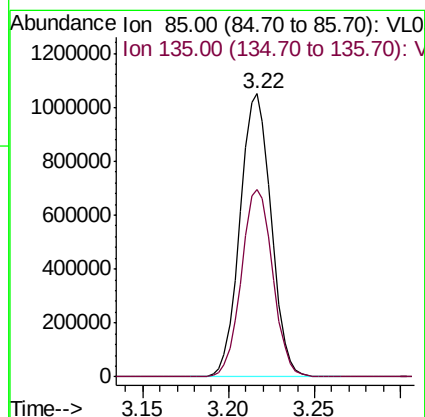
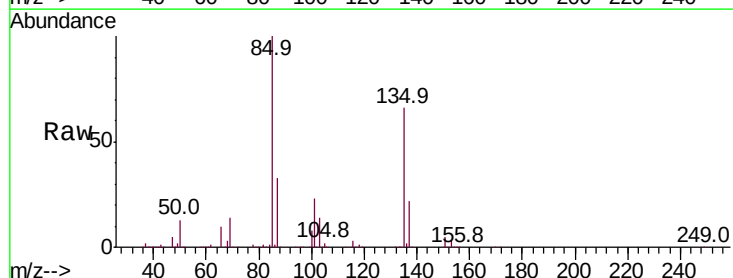
Acq: 29 May 2019 18:50

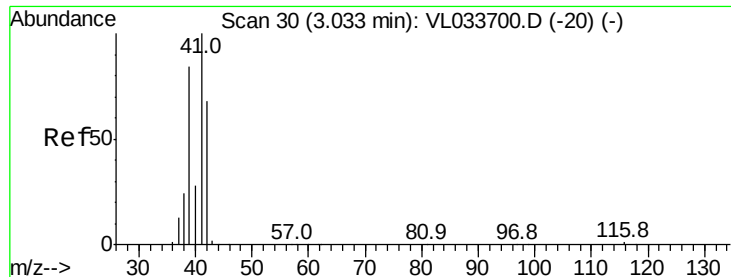
Tgt Ion: 85 Resp: 1322375

Ion Ratio Lower Upper

85 100

135 66.6 54.5 81.7





#9

Propene

Concen: 10.631 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tot Ion: 41 Resp: 369350

Ion Ratio Lower Upper

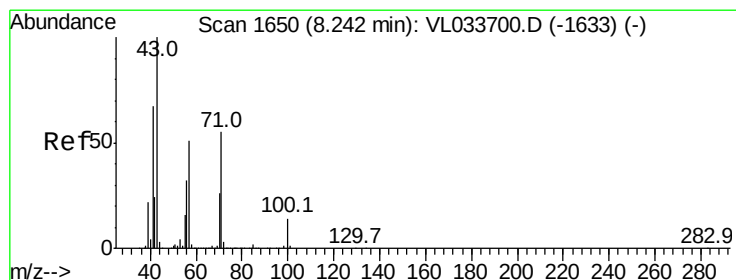
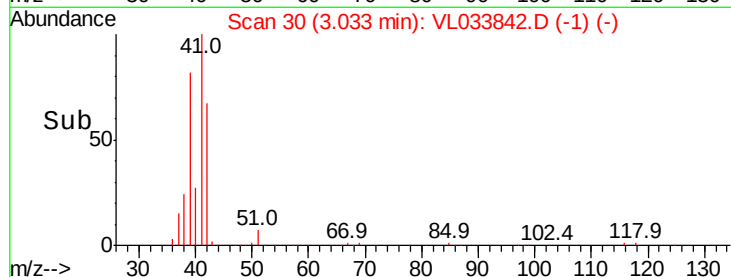
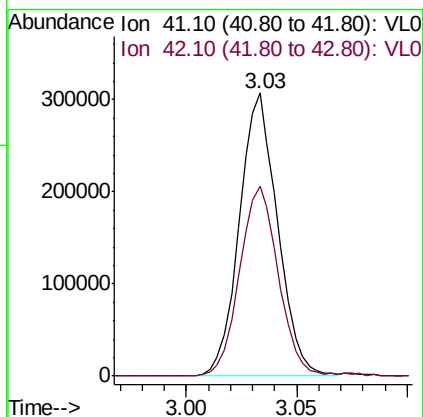
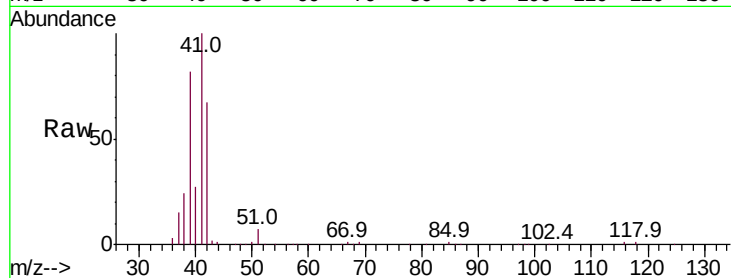
41 100

42 68.9 56.1 84.1

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#10

Heptane

Concen: 10.931 ppbv

RT: 8.24 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VL033842.D

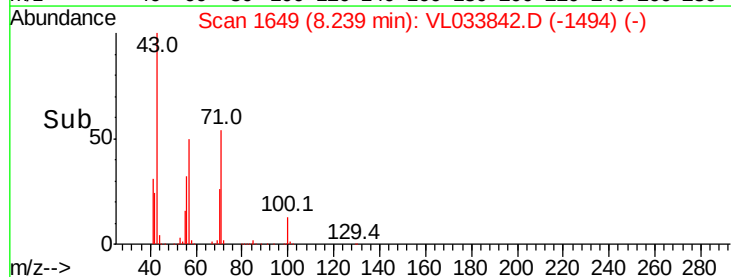
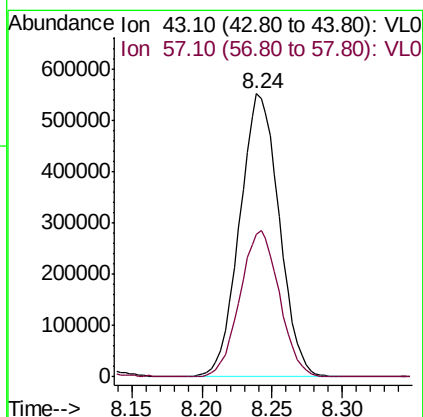
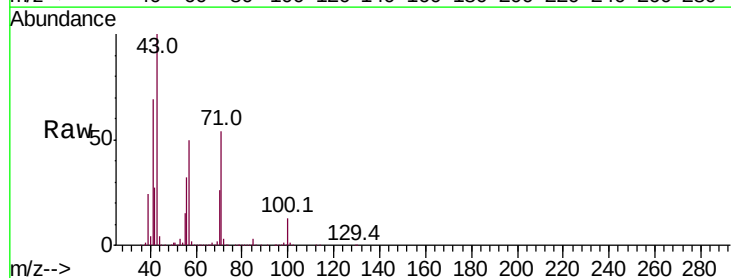
Acq: 29 May 2019 18:50

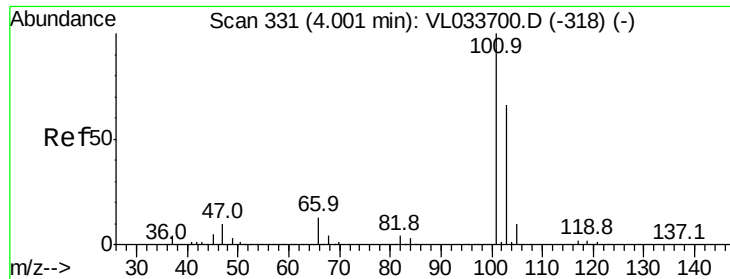
Tgt Ion: 43 Resp: 1075397

Ion Ratio Lower Upper

43 100

57 51.9 41.4 62.0





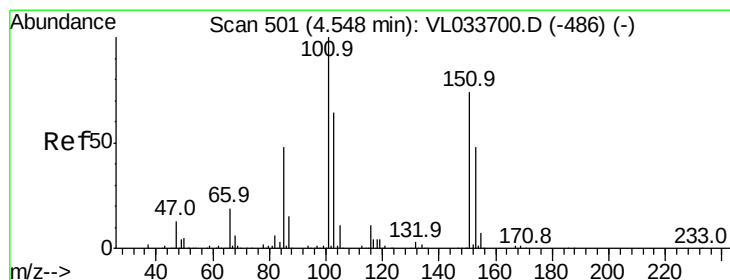
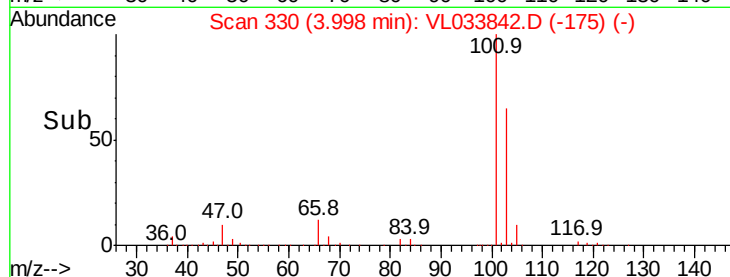
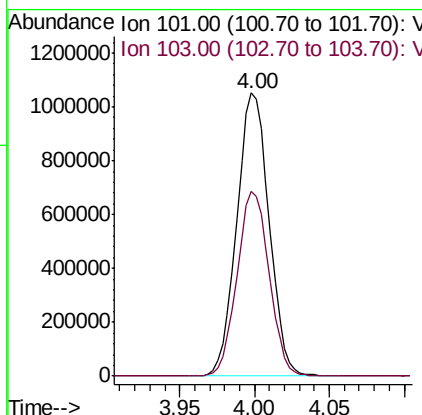
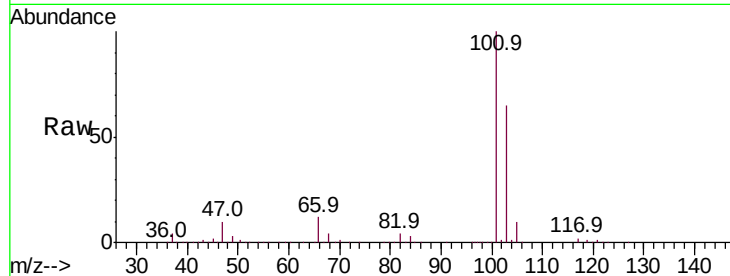
#11
 Trichlorofluoromethane
 Concen: 11.048 ppbv
 RT: 4.00 min Scan# 330
 Delta R.T. -0.00 min
 Lab File: VL033842.D
 Acq: 29 May 2019 18:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0529ABS01

Tot Ion:101 Resp: 1584652
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.6 78.8

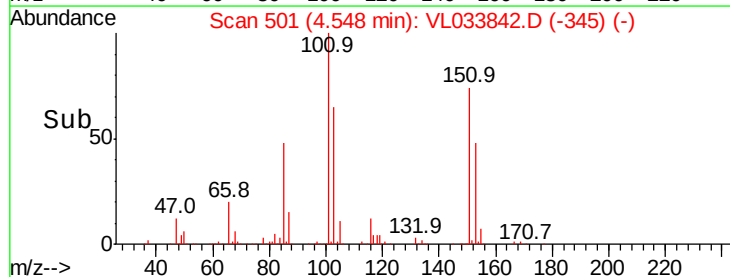
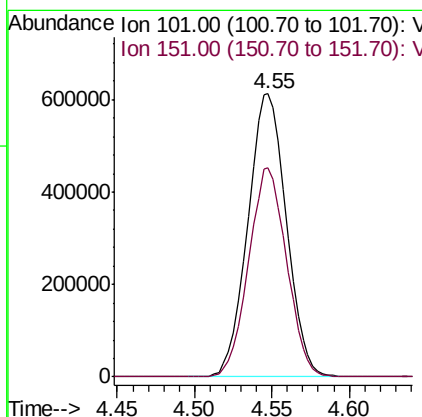
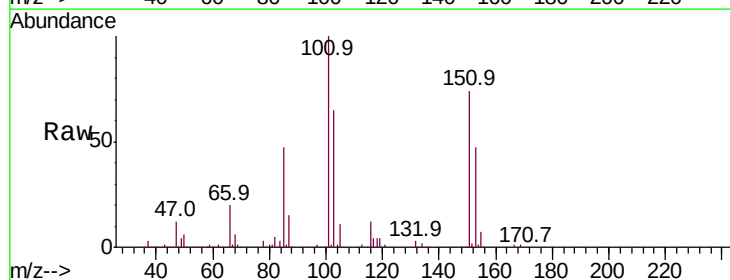
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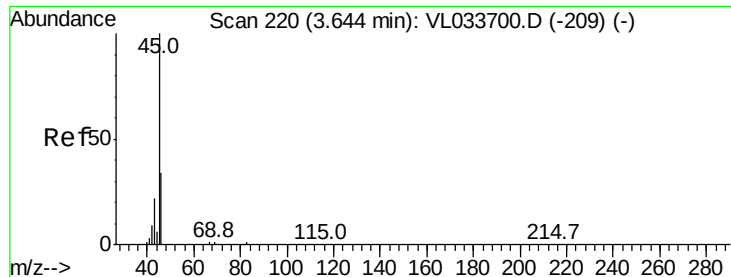
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.590 ppbv
 RT: 4.55 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VL033842.D
 Acq: 29 May 2019 18:50

Tgt Ion:101 Resp: 1060660
 Ion Ratio Lower Upper
 101 100
 151 73.2 58.2 87.4





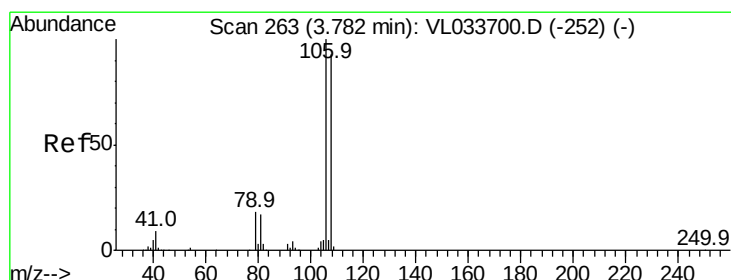
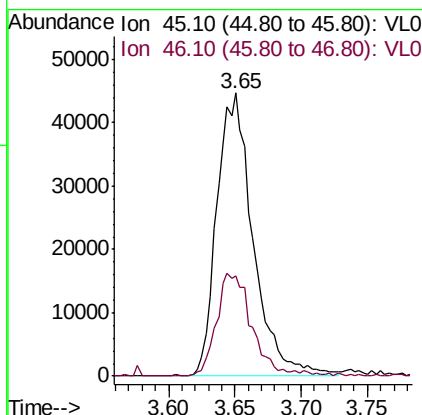
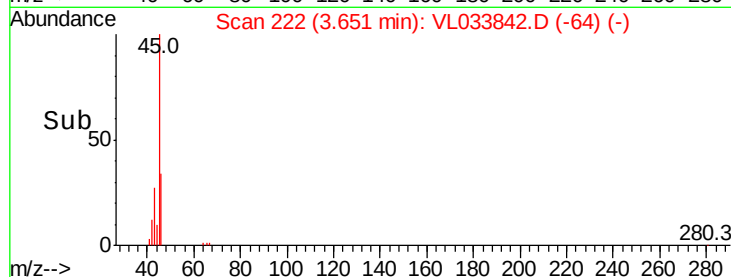
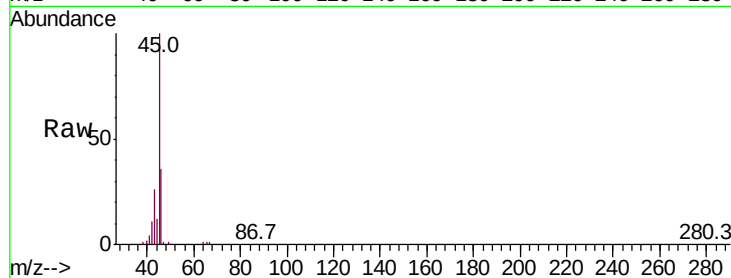
#13
Ethanol
Concen: 7.573 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.01 min
Lab File: VL033842.D
Acq: 29 May 2019 18:50

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.1	14.8	59.0

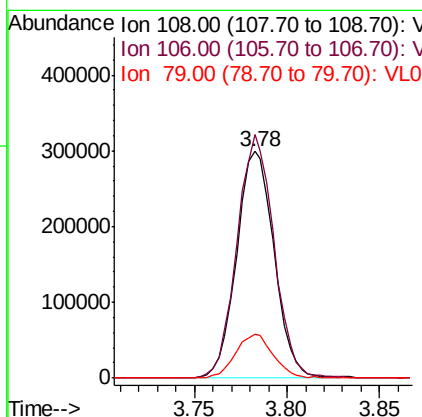
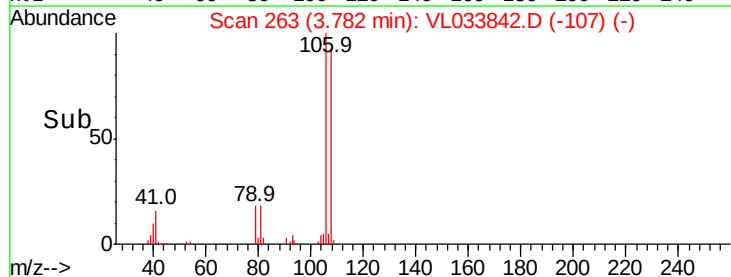
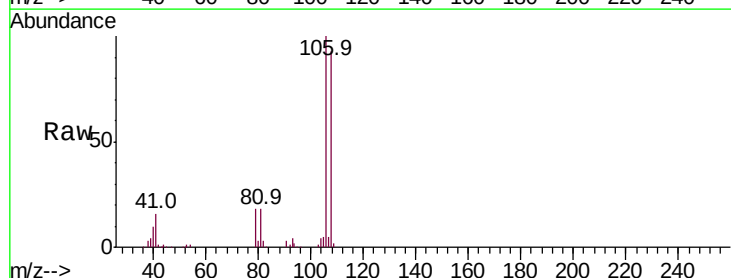
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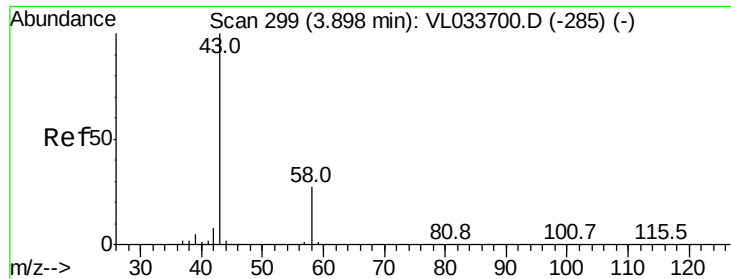
apatel
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#14
Bromoethene
Concen: 11.420 ppbv
RT: 3.78 min Scan# 263
Delta R.T. 0.00 min
Lab File: VL033842.D
Acq: 29 May 2019 18:50

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.3	86.5	129.7
79	19.6	15.1	22.7





#15

Acetone

Concen: 9.775 ppbv

RT: 3.89 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tot Ion: 43 Resp: 967159

Ion Ratio Lower Upper

43 100

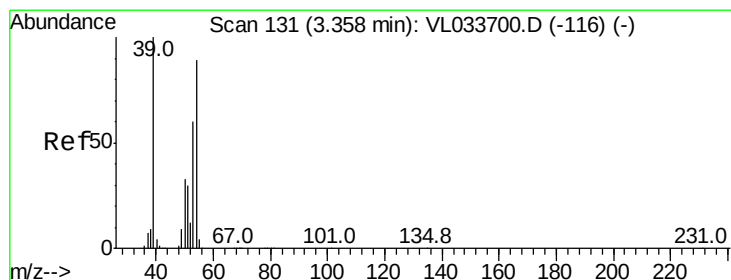
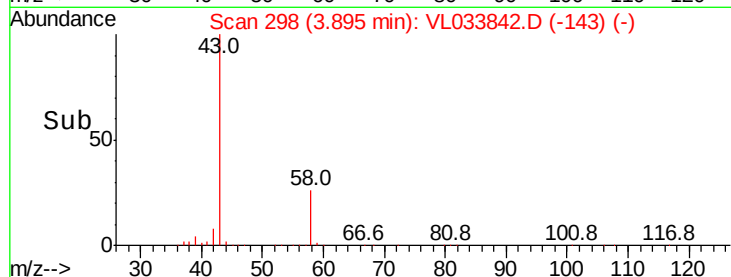
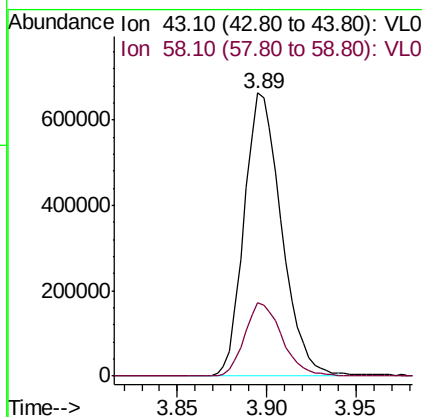
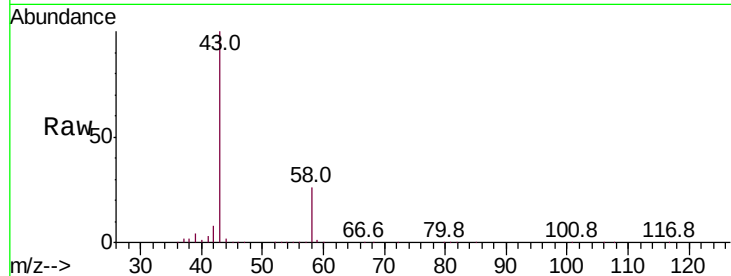
58 26.1 21.3 31.9

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#16

1,3-Butadiene

Concen: 11.449 ppbv

RT: 3.36 min Scan# 131

Delta R.T. 0.00 min

Lab File: VL033842.D

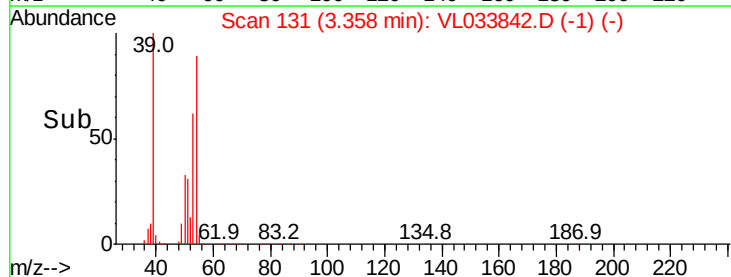
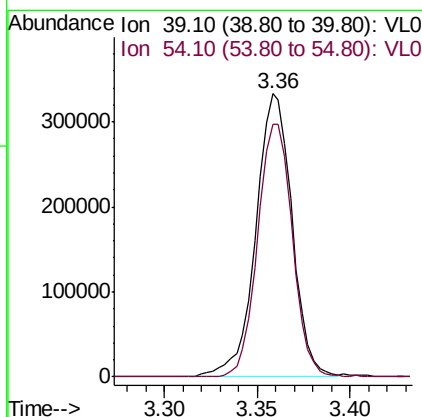
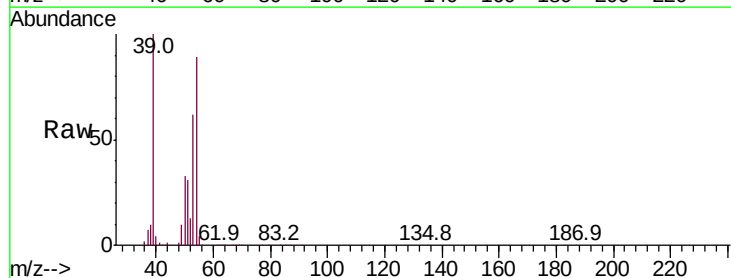
Acq: 29 May 2019 18:50

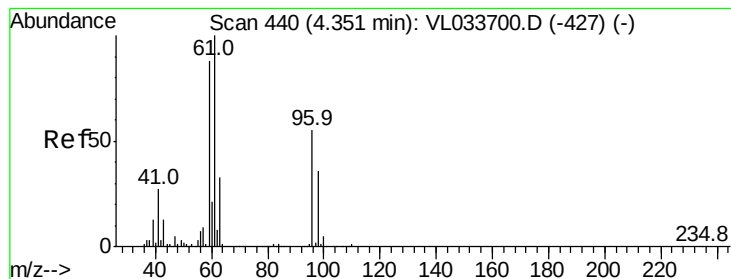
Tgt Ion: 39 Resp: 451089

Ion Ratio Lower Upper

39 100

54 86.3 69.0 103.6





#17

tert-Butyl alcohol

Concen: 11.447 ppbv

RT: 4.35 min Scan# 440

Delta R.T. 0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Tot Ion: 59 Resp: 915793

Ion Ratio Lower Upper

59 100

57 10.5 8.4 12.6

Instrument :

MSVOA_L

ClientSampled :

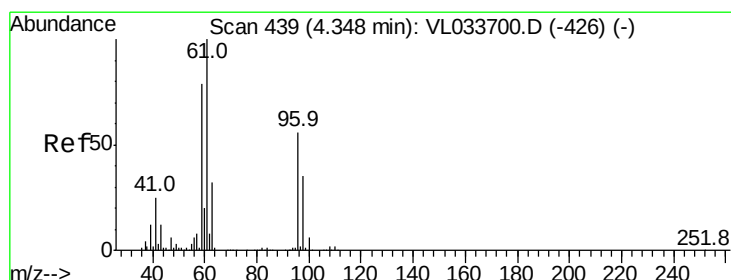
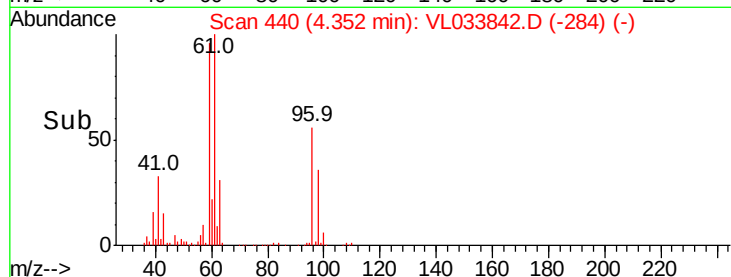
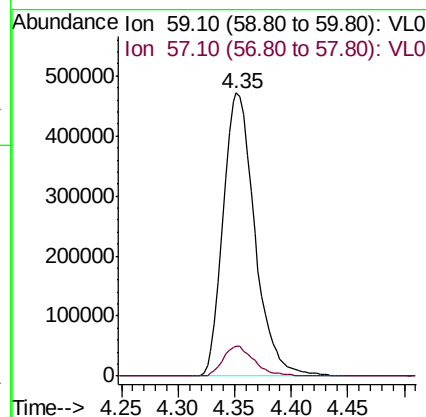
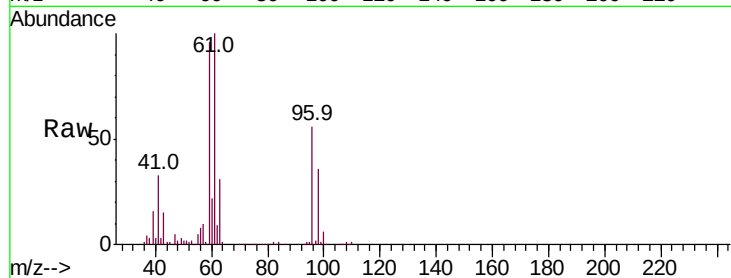
VL0529ABS01

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#18

1,1-Dichloroethene

Concen: 10.975 ppbv

RT: 4.35 min Scan# 438

Delta R.T. -0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

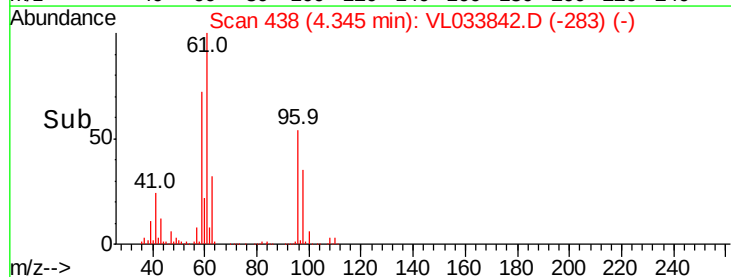
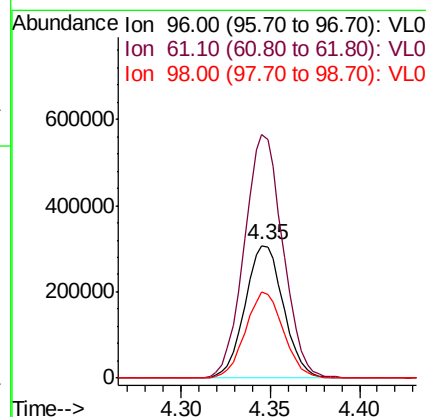
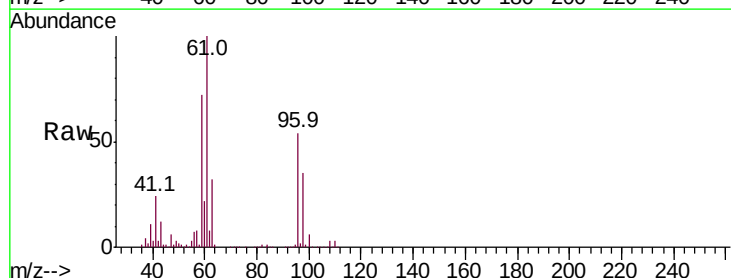
Tgt Ion: 96 Resp: 463952

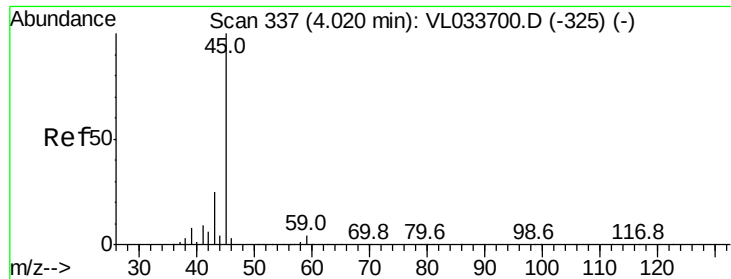
Ion Ratio Lower Upper

96 100

61 183.6 143.1 214.7

98 64.9 49.5 74.3





#19

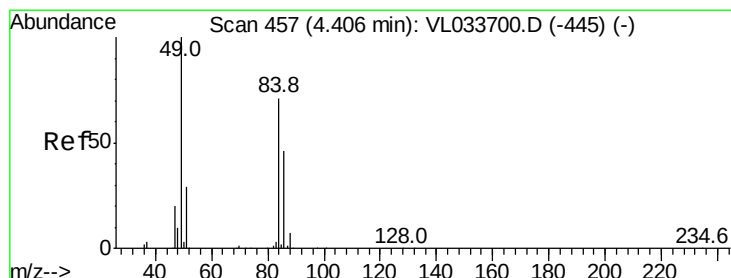
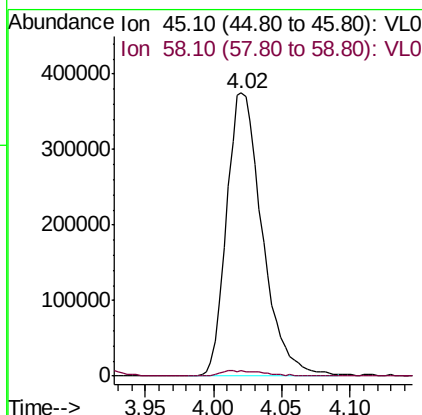
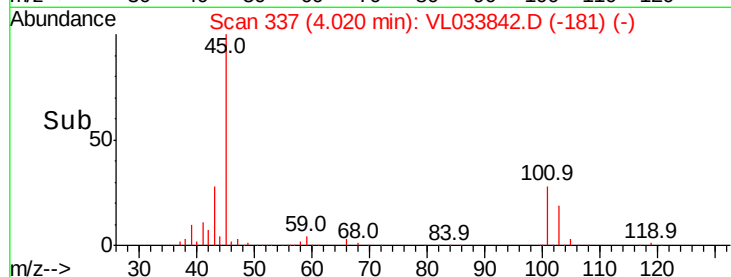
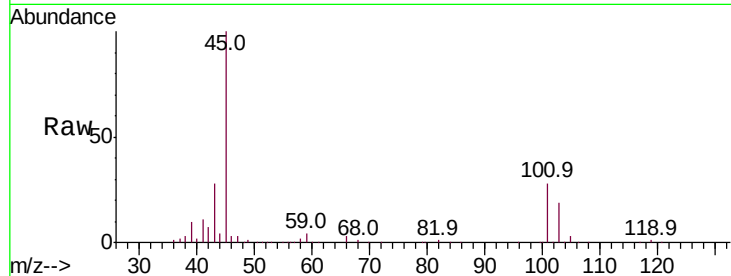
Isopropyl Alcohol
 Concen: 10.724 ppbv
 RT: 4.02 min Scan# 337
 Delta R.T. 0.00 min
 Lab File: VL033842.D
 Acq: 29 May 2019 18:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0529ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.7	1.6	2.4#

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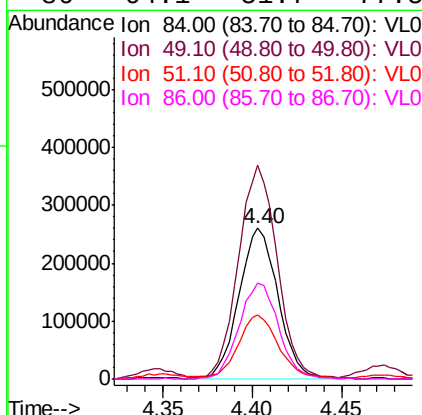
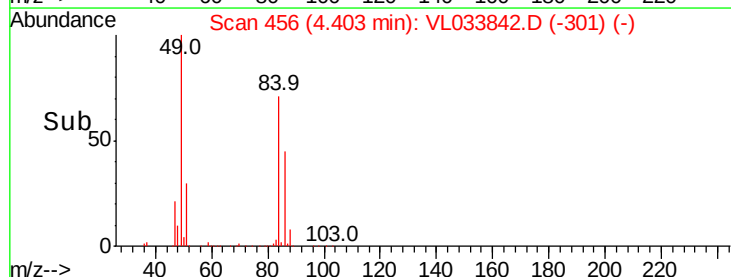
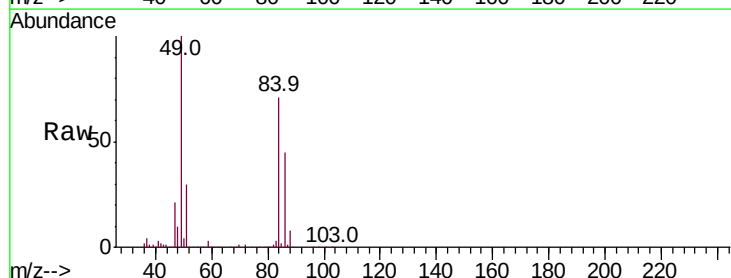
apatel
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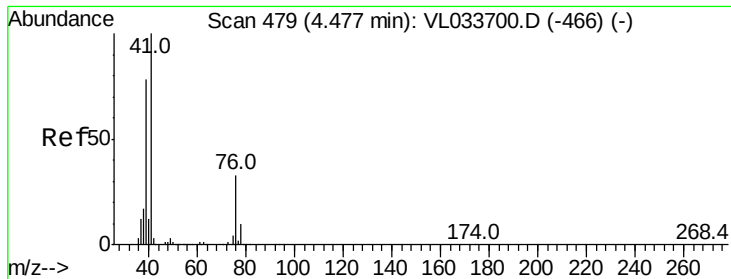


#20

Methylene Chloride
 Concen: 10.379 ppbv
 RT: 4.40 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: VL033842.D
 Acq: 29 May 2019 18:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.9	112.8	169.2
51	42.0	33.4	50.0
86	64.1	51.7	77.5





#21

Allvl Chloride

Concen: 10.841 ppbv

RT: 4.47 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Instrument :

MSVOA_L

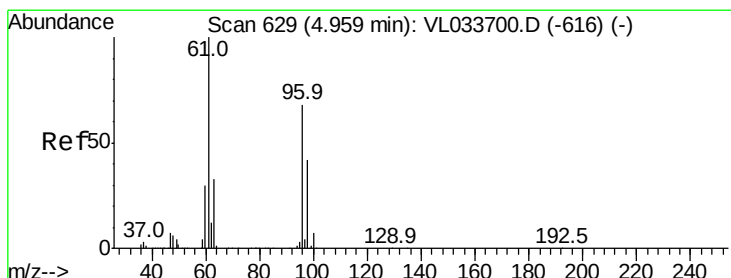
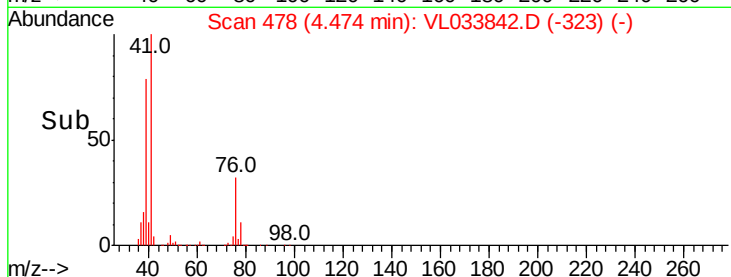
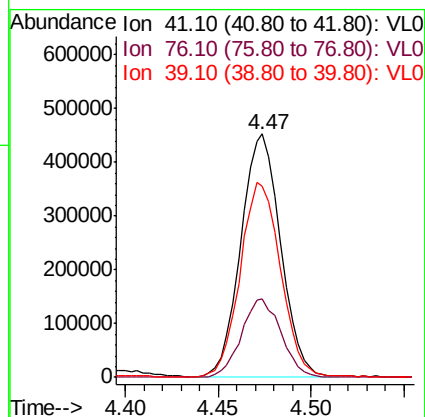
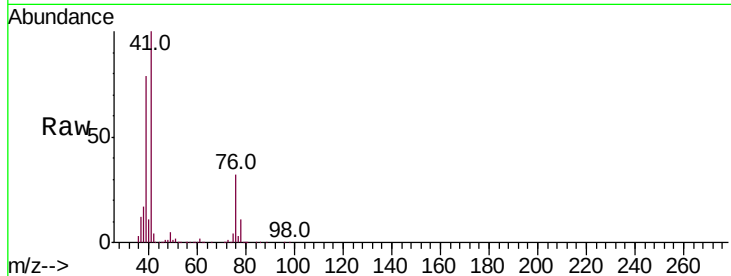
ClientSampleId :

VL0529ABS01

Tot Ion:	41	Resp:	669004
Ion Ratio	Lower	Upper	
41	100		
76	32.4	25.9	38.9
39	82.2	64.6	97.0

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#22

trans-1,2-Dichloroethene

Concen: 11.081 ppbv

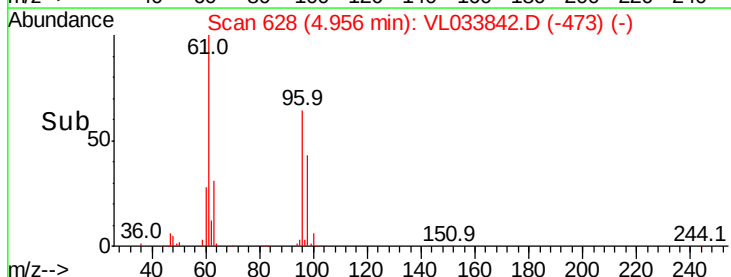
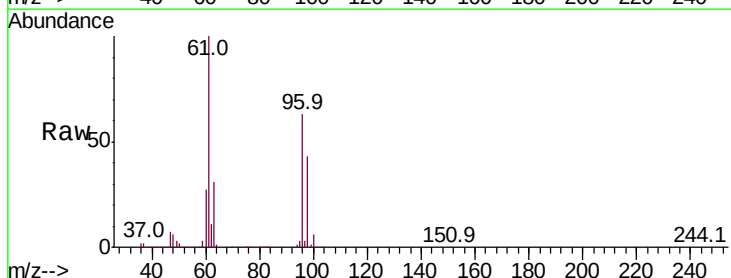
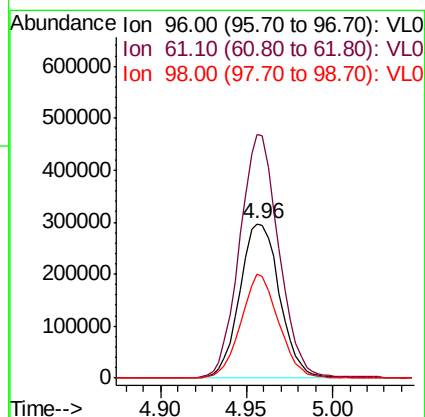
RT: 4.96 min Scan# 628

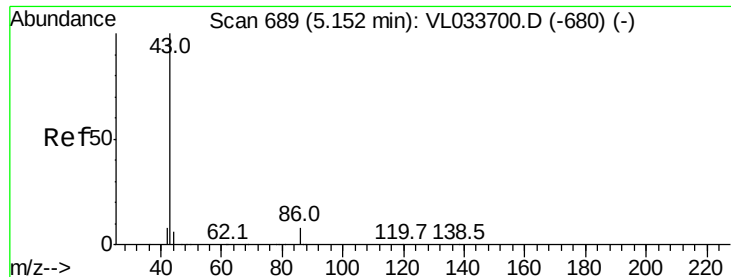
Delta R.T. -0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Tgt Ion:	96	Resp:	480171
Ion Ratio	Lower	Upper	
96	100		
61	158.0	116.8	175.2
98	67.5	49.4	74.0





#23

Vinyl Acetate

Concen: 10.839 ppbv

RT: 5.15 min Scan# 688

Delta R.T. -0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tot Ion: 43 Resp: 1414009

Ion Ratio Lower Upper

43 100

86 7.3 6.0 9.0

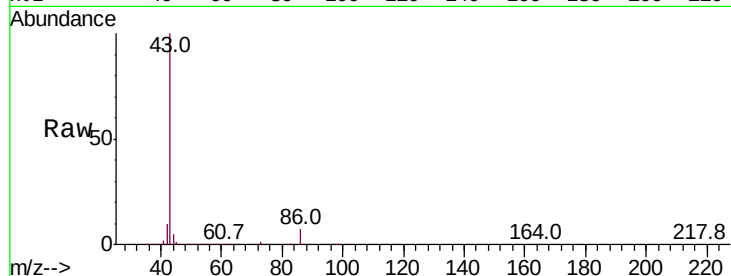
42 10.2 7.5 11.3

44 5.1 4.4 6.6

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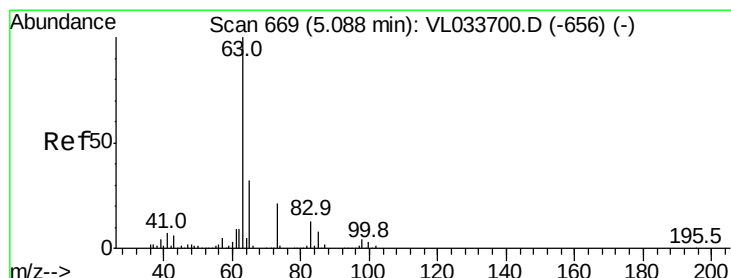
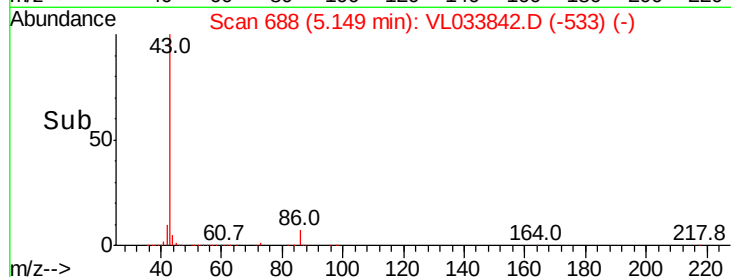
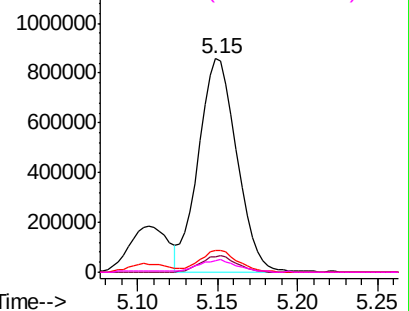


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.321 ppbv

RT: 5.09 min Scan# 669

Delta R.T. 0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

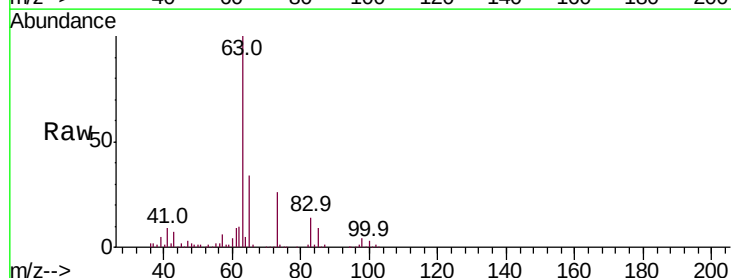
Tgt Ion: 63 Resp: 1023526

Ion Ratio Lower Upper

63 100

98 4.2 1.8 5.5

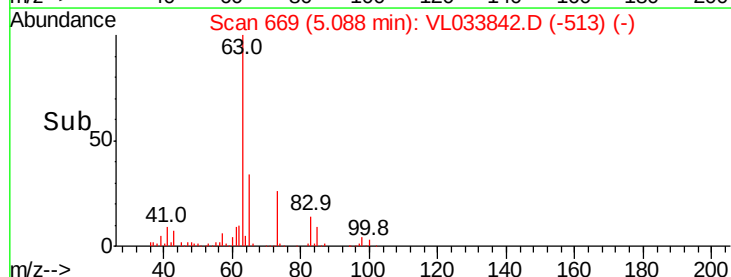
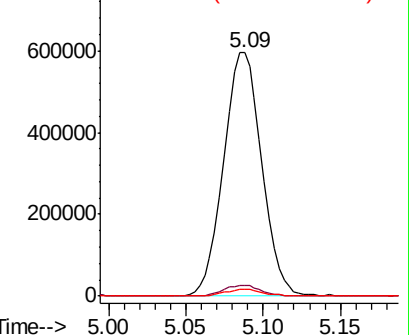
100 2.6 1.4 4.2

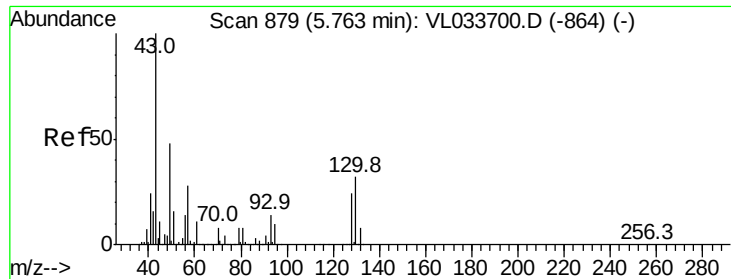


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 10.036 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tot Ion: 43 Resp: 1744351

Ion Ratio Lower Upper

43 100

45 9.8 7.9 11.9

61 9.8 7.7 11.5

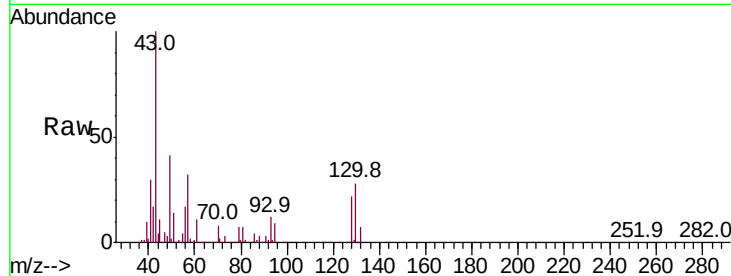
70 7.2 5.8 8.6

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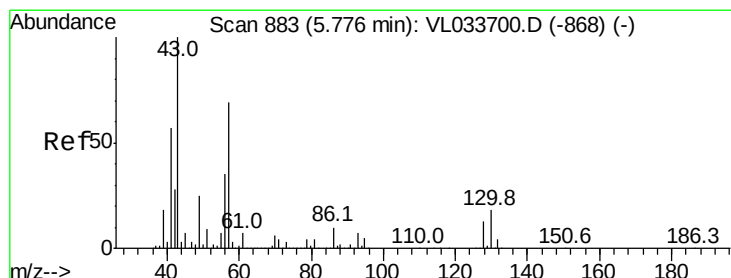
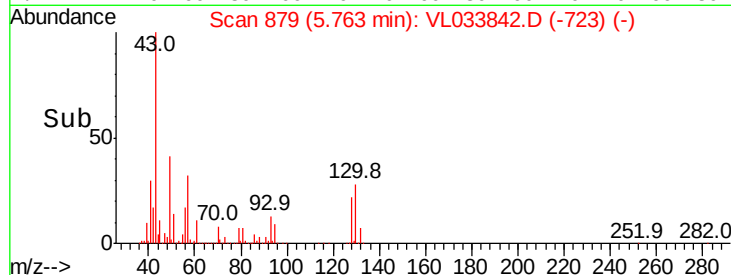
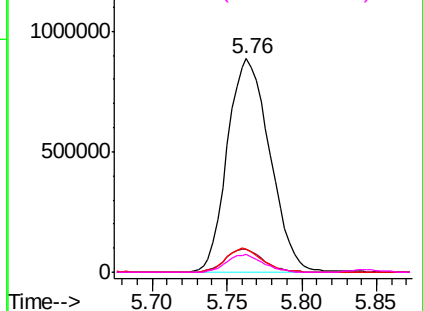
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 10.156 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Tgt Ion: 57 Resp: 758844

Ion Ratio Lower Upper

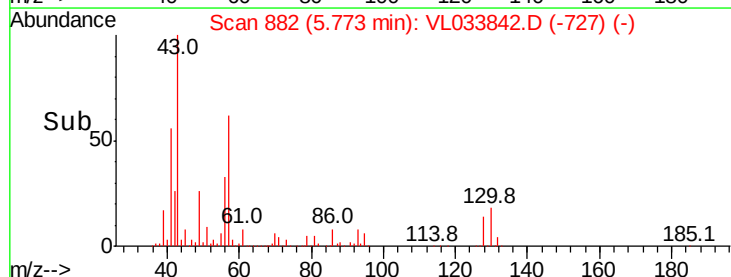
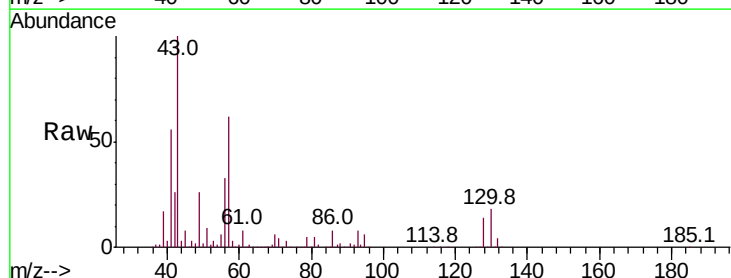
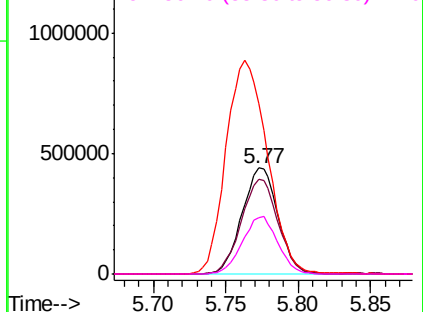
57 100

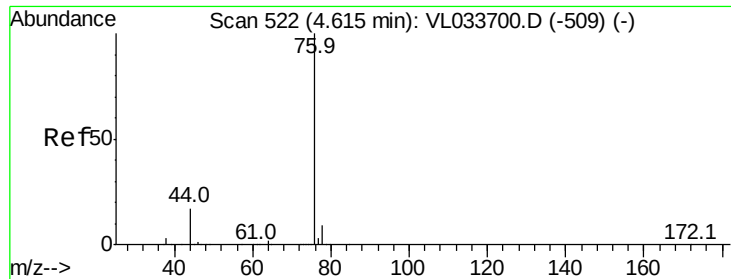
41 91.7 69.8 104.6

43 231.2 181.8 272.6

56 53.6 42.1 63.1

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: 11.282 ppbv

RT: 4.62 min Scan# 522

Delta R.T. 0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tot Ion: 76 Resp: 1156452

Ion Ratio Lower Upper

76 100

44 17.4 13.8 20.8

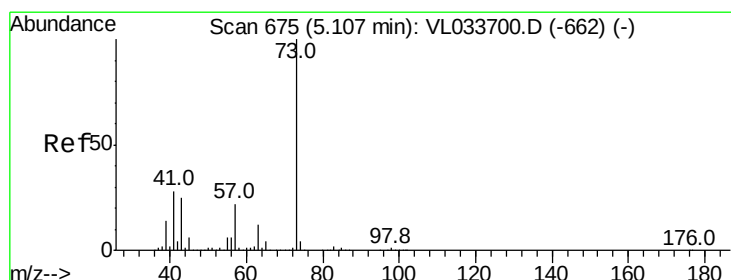
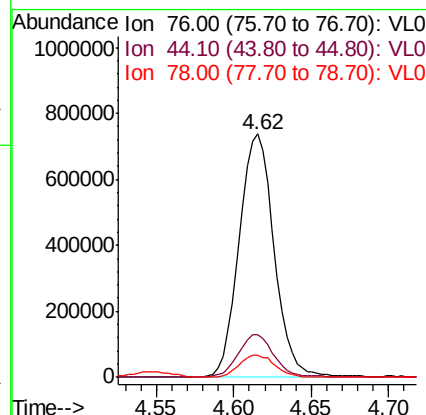
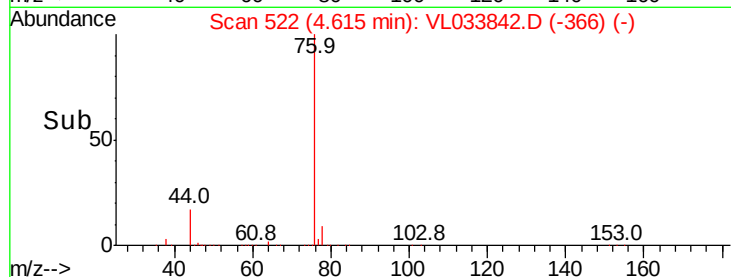
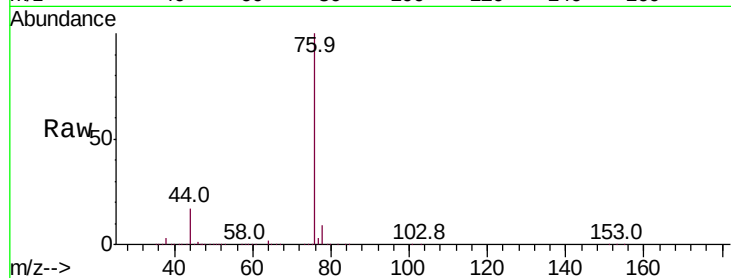
78 9.3 7.4 11.0

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#28

Methyl tert-Butyl Ether

Concen: 10.797 ppbv

RT: 5.11 min Scan# 675

Delta R.T. 0.00 min

Lab File: VL033842.D

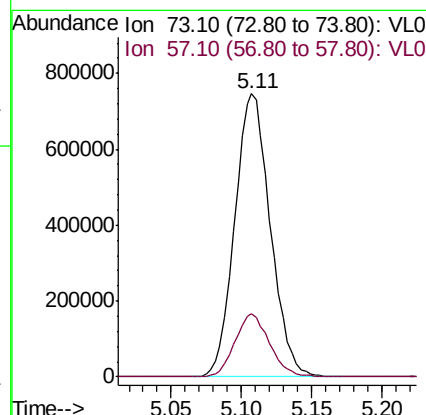
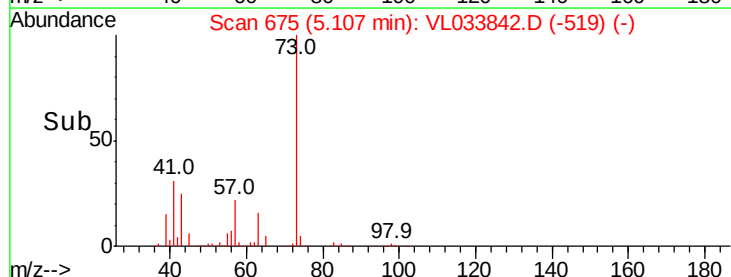
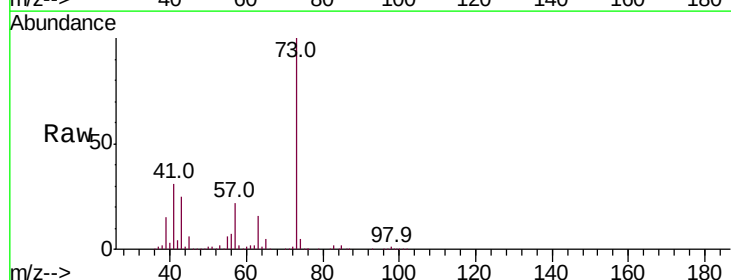
Acq: 29 May 2019 18:50

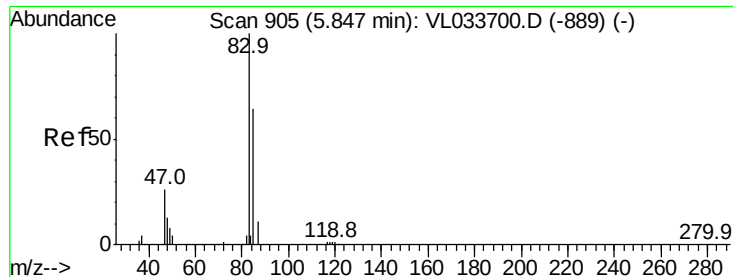
Tgt Ion: 73 Resp: 1315163

Ion Ratio Lower Upper

73 100

57 21.8 17.4 26.2





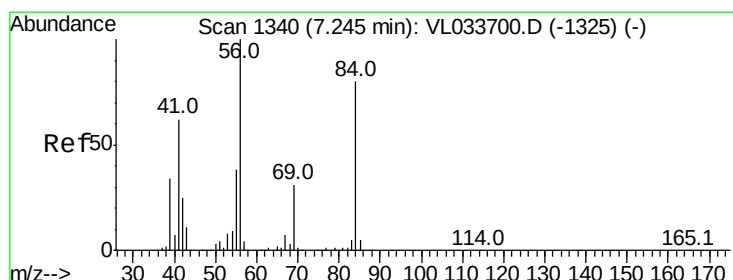
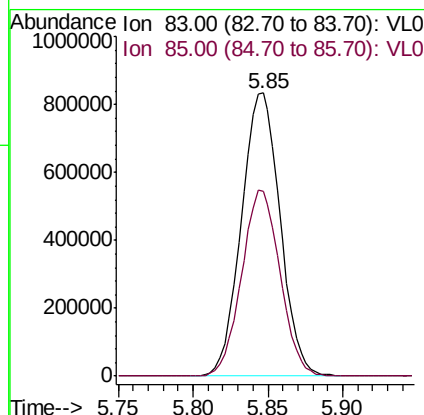
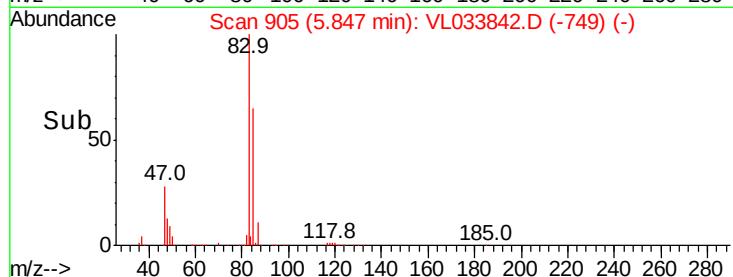
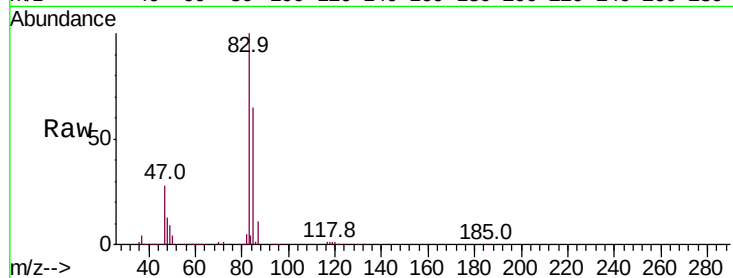
#29
Chloroform
Concen: 10.935 ppbv
RT: 5.85 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL033842.D
Acq: 29 May 2019 18:50

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tot Ion: 83 Resp: 1504962
Ion Ratio Lower Upper
83 100
85 65.3 51.5 77.3

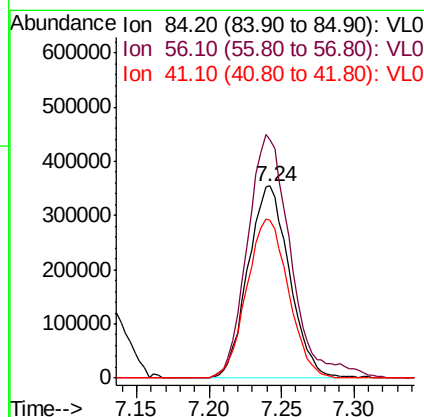
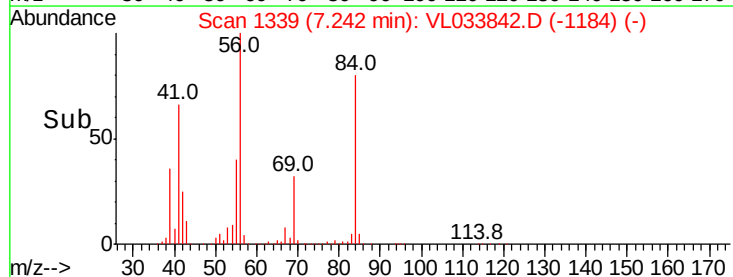
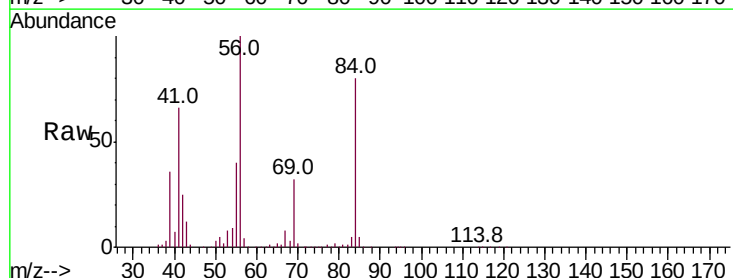
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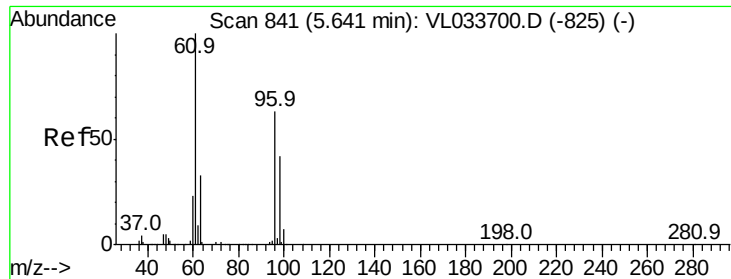
apatel
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#30
Cyclohexane
Concen: 11.238 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033842.D
Acq: 29 May 2019 18:50

Tgt Ion: 84 Resp: 705896
Ion Ratio Lower Upper
84 100
56 132.8 107.7 161.5
41 83.7 66.0 99.0





#31

cis-1,2-Dichloroethene

Concen: 10.602 ppbv

RT: 5.64 min Scan# 840

Delta R.T. -0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Instrument :

MSVOA_L

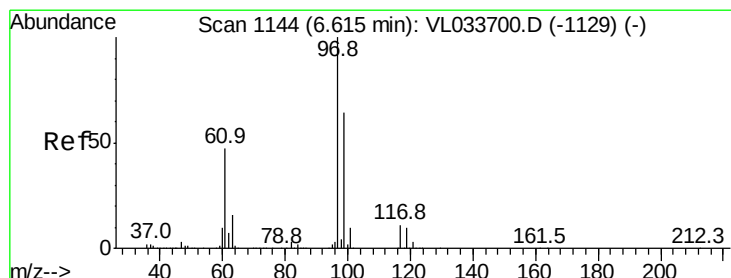
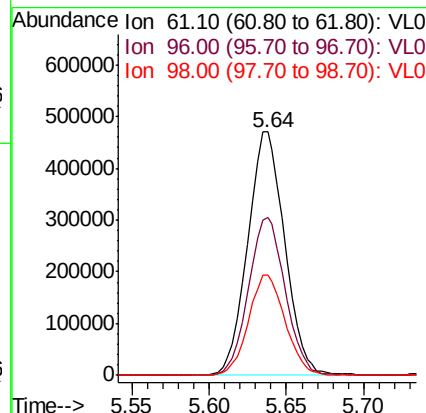
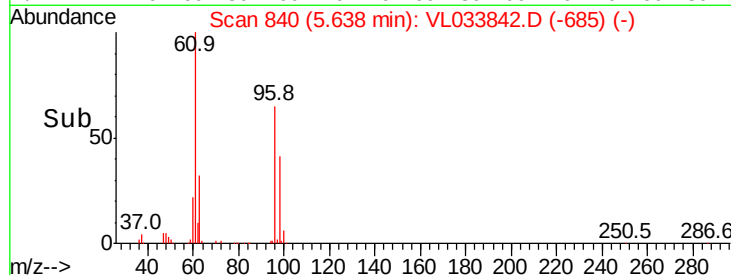
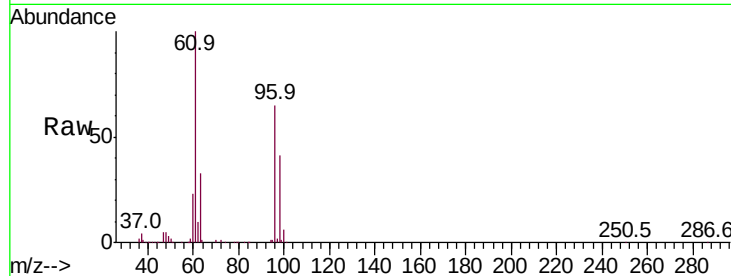
ClientSampleId :

VL0529ABS01

Tot Ion:	61	Resp:	785445
Ion Ratio	Lower	Upper	
61	100		
96	65.0	50.8	76.2
98	41.2	33.3	49.9

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#32

1,1,1-Trichloroethane

Concen: 10.165 ppbv

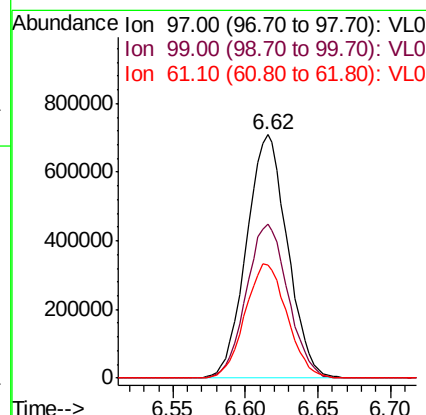
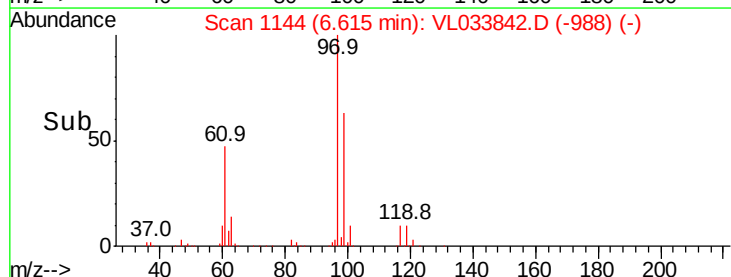
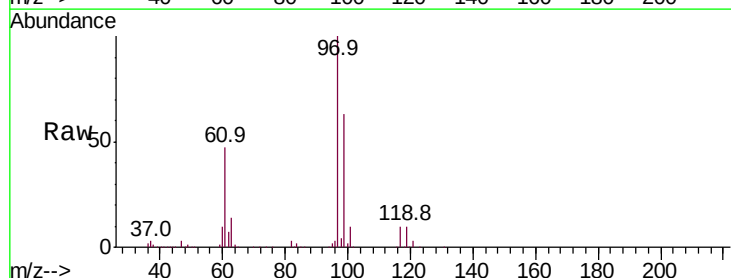
RT: 6.62 min Scan# 1144

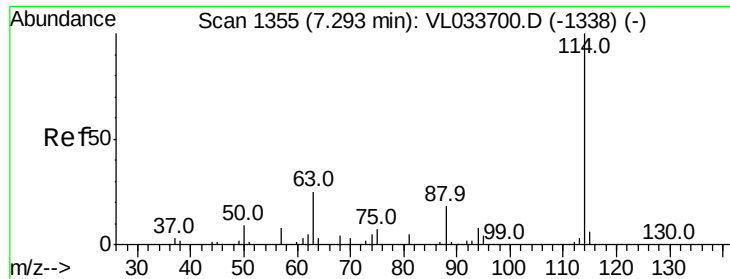
Delta R.T. 0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Tgt Ion:	97	Resp:	1396904
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.5	77.3
61	48.1	37.8	56.8





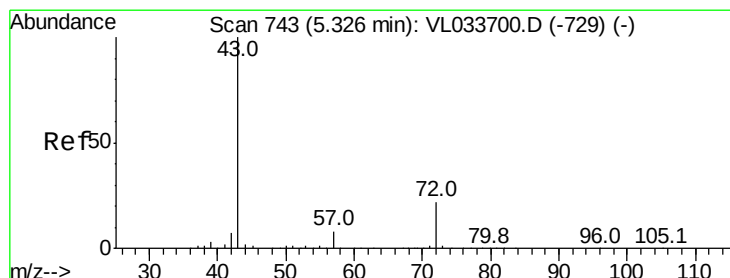
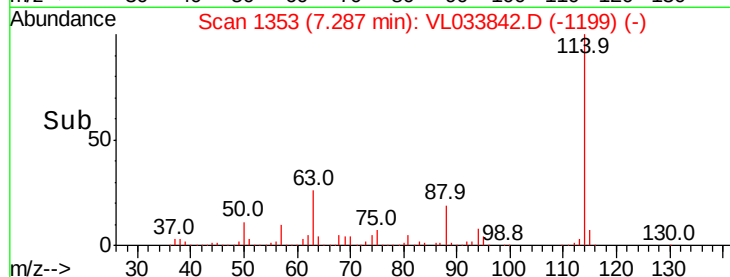
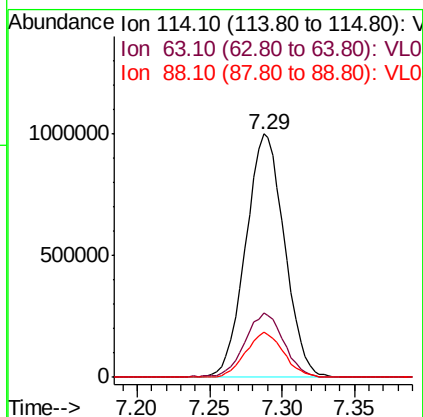
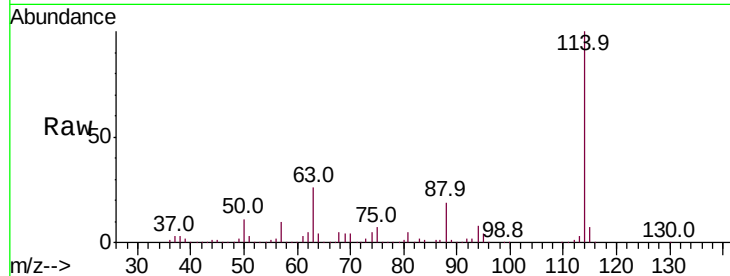
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033842.D
 Acq: 29 May 2019 18:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0529ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.7	20.9	31.3
88	18.1	14.3	21.5

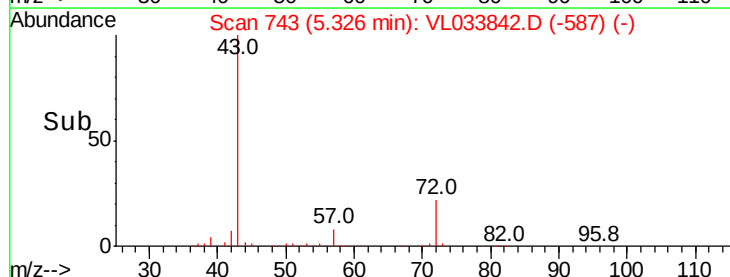
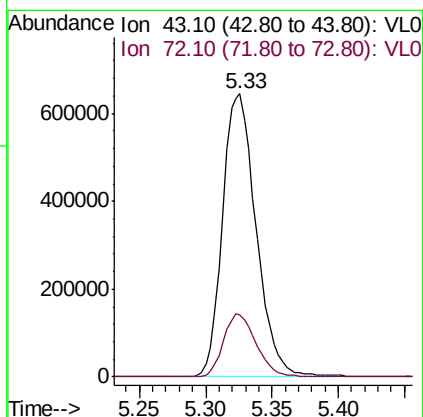
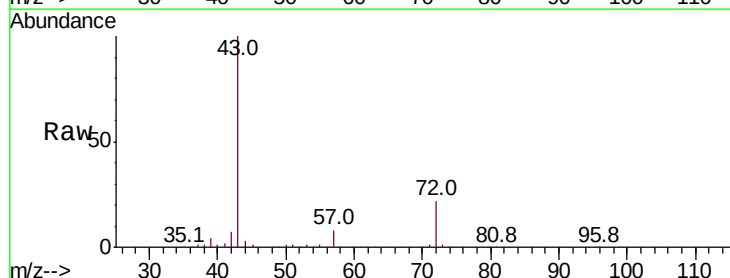
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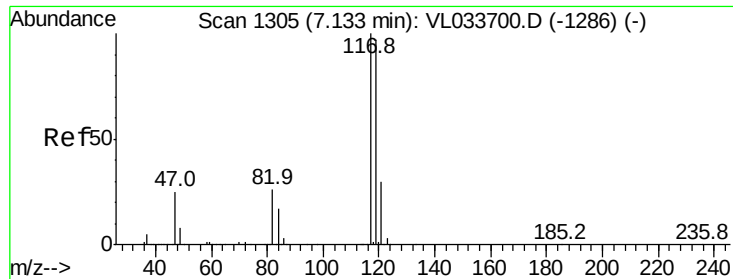
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#34
 2-Butanone
 Concen: 9.822 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. 0.00 min
 Lab File: VL033842.D
 Acq: 29 May 2019 18:50

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.9	17.8	26.6





#35

Carbon Tetrachloride

Concen: 10.862 ppbv

RT: 7.13 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tot Ion:117 Resp: 1613054

Ion Ratio Lower Upper

117 100

119 95.7 77.2 115.8

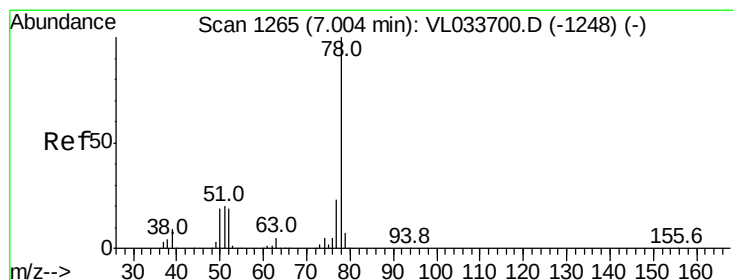
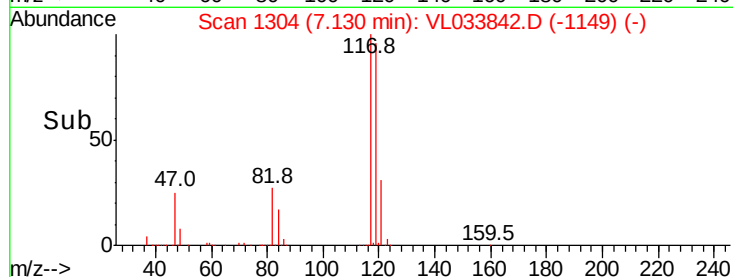
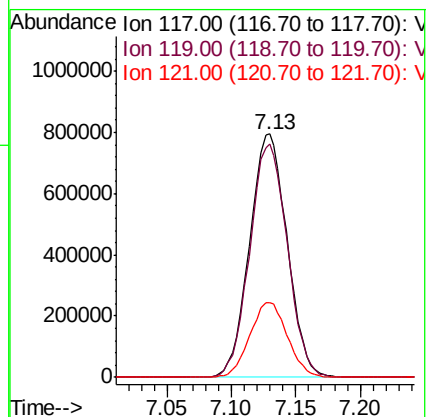
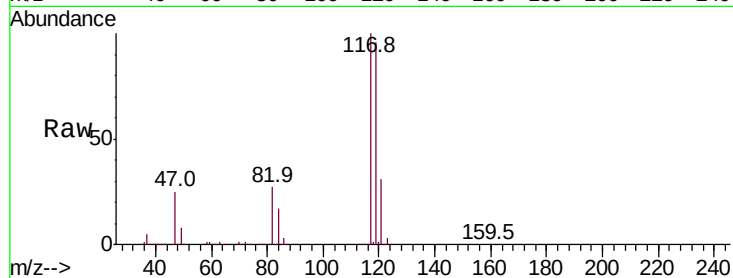
121 30.8 24.1 36.1

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#36

Benzene

Concen: 10.128 ppbv

RT: 7.00 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

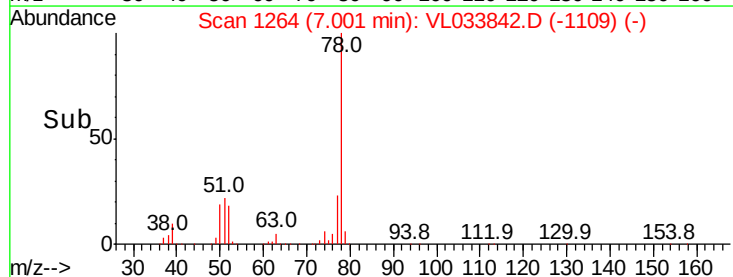
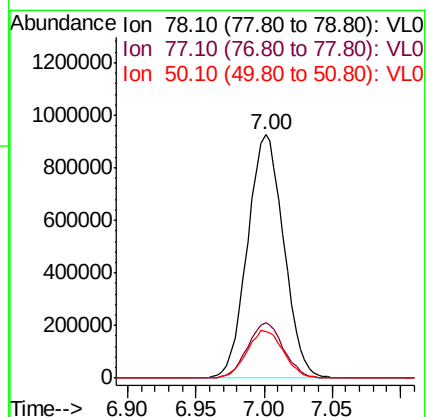
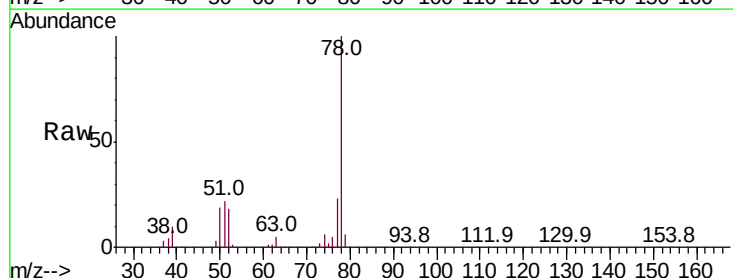
Tgt Ion: 78 Resp: 1707972

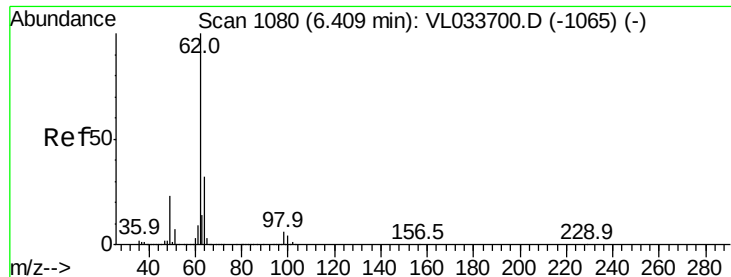
Ion Ratio Lower Upper

78 100

77 22.9 18.4 27.6

50 19.2 15.5 23.3





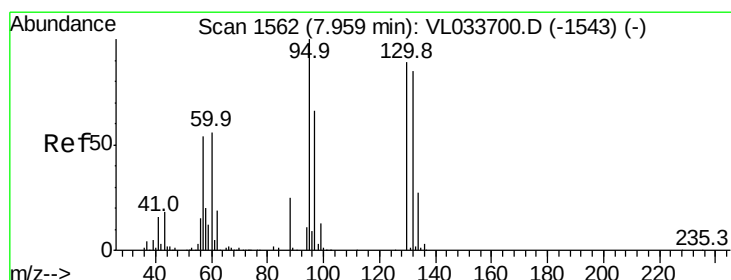
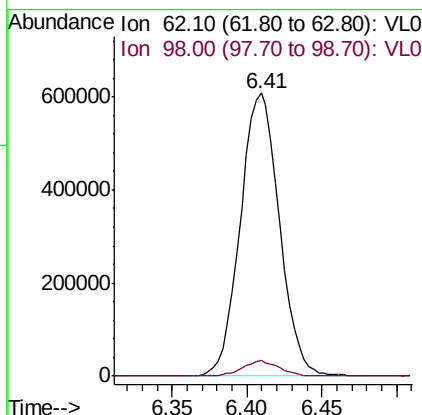
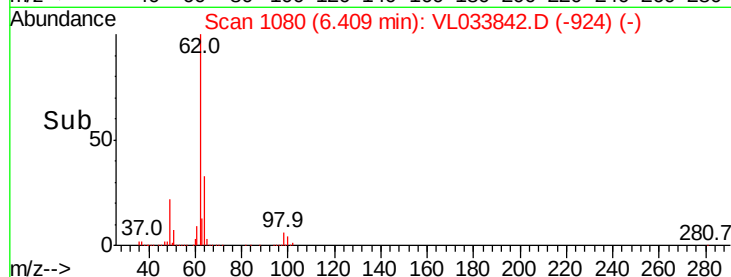
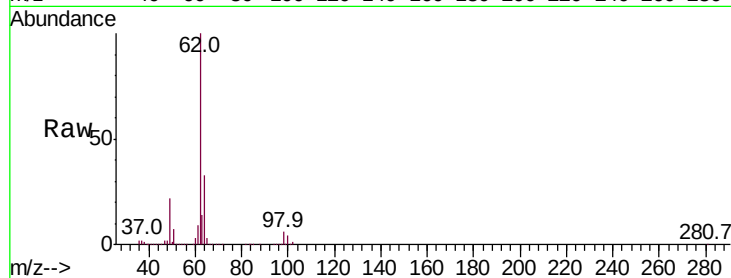
#37
 1,2-Dichloroethane
 Concen: 10.157 ppbv
 RT: 6.41 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VL033842.D
 Acq: 29 May 2019 18:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0529ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.0	4.5	6.7

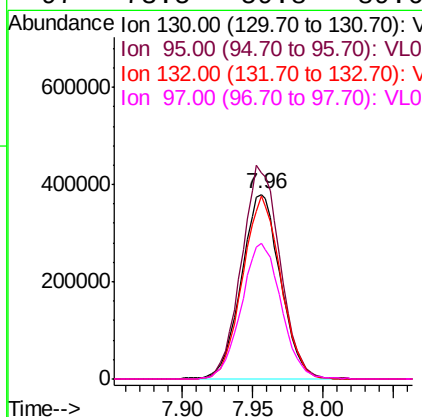
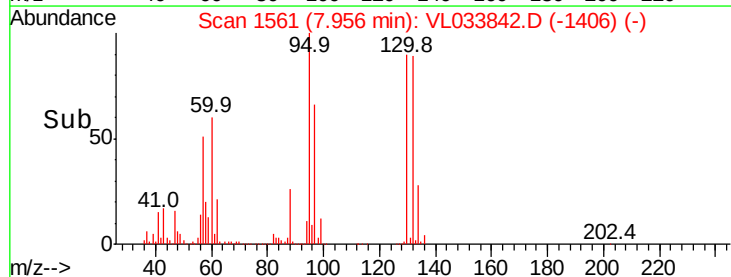
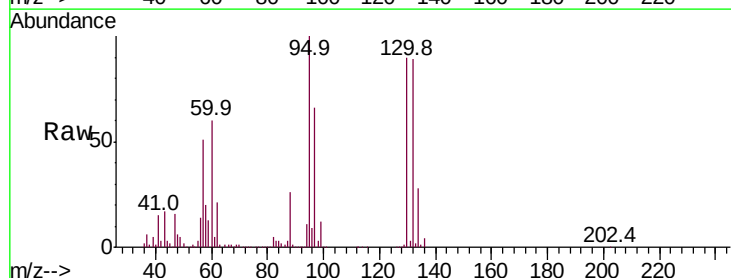
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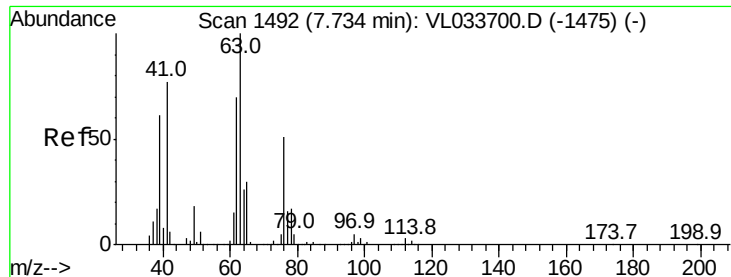
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#38
 Trichloroethene
 Concen: 11.798 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. -0.00 min
 Lab File: VL033842.D
 Acq: 29 May 2019 18:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	111.6	90.2	135.4
132	99.5	76.4	114.6
97	73.5	59.8	89.6





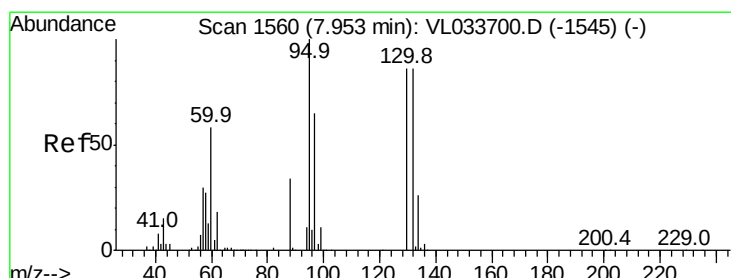
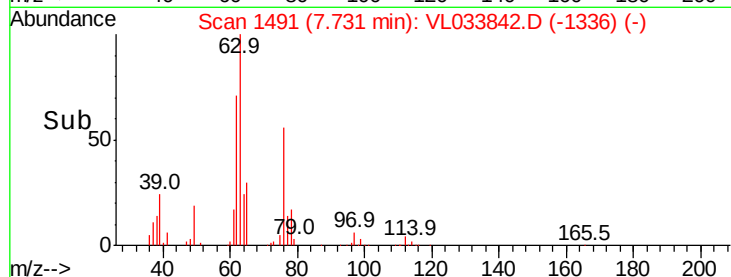
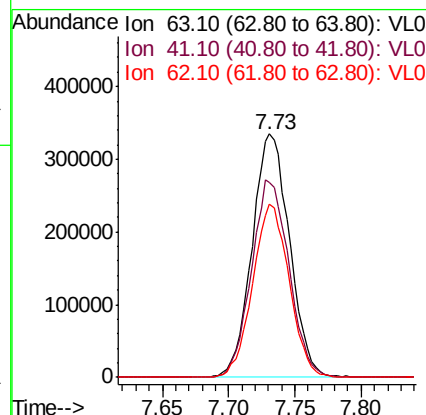
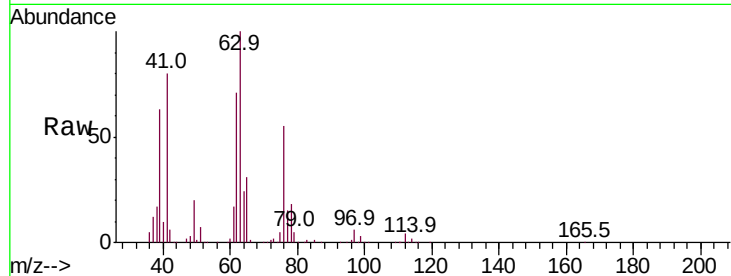
#39
 1,2-Dichloropropane
 Concen: 10.471 ppbv
 RT: 7.73 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VL033842.D
 Acq: 29 May 2019 18:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0529ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	80.0	61.5	92.3
62	71.1	56.2	84.4

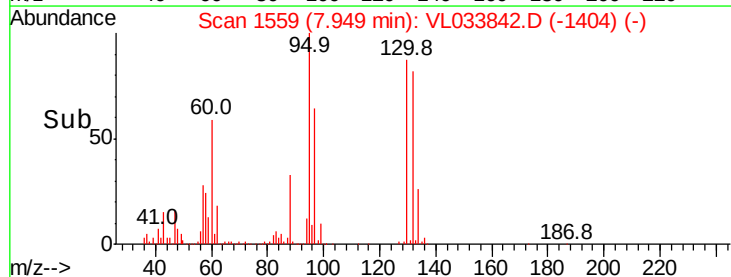
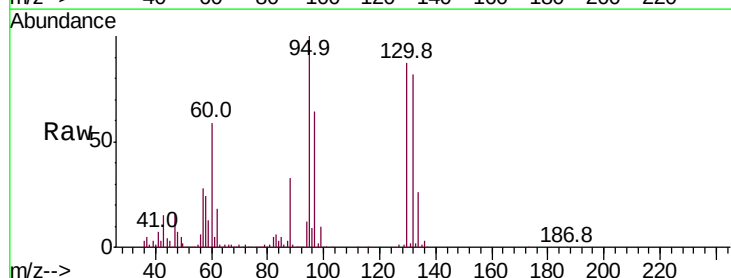
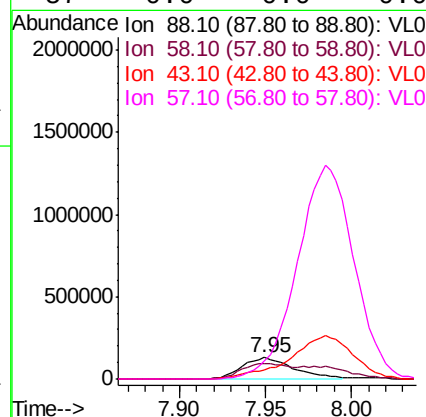
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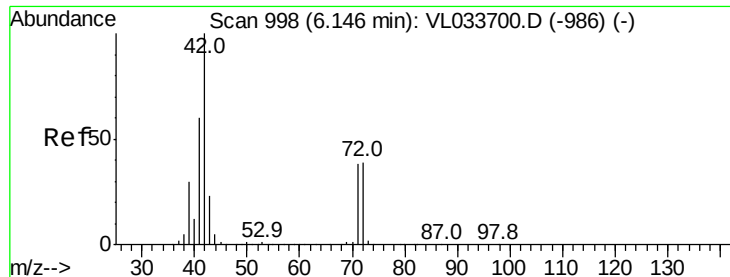
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#40
 1,4-Dioxane
 Concen: 10.112 ppbv
 RT: 7.95 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VL033842.D
 Acq: 29 May 2019 18:50

Tgt Ion	Ratio	Lower	Upper
88	100		
58	128.5	101.8	152.6
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 10.989 ppbv

RT: 6.14 min Scan# 997

Delta R.T. -0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Instrument :

MSVOA_L

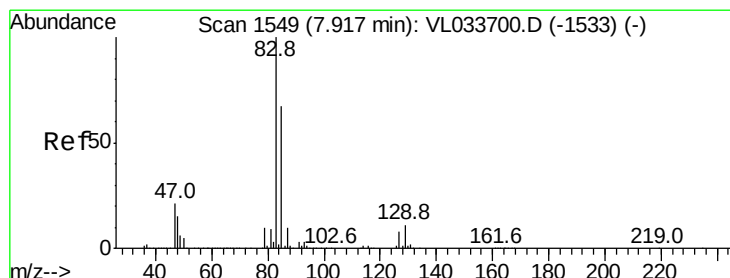
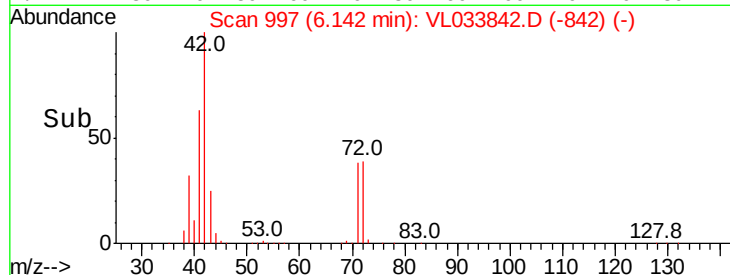
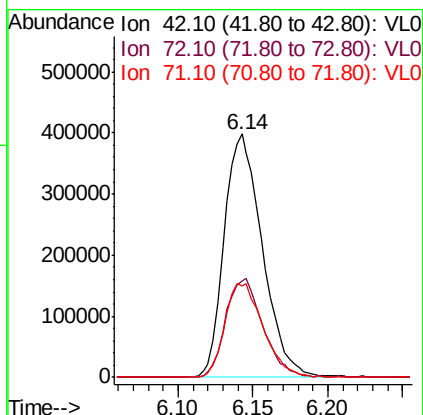
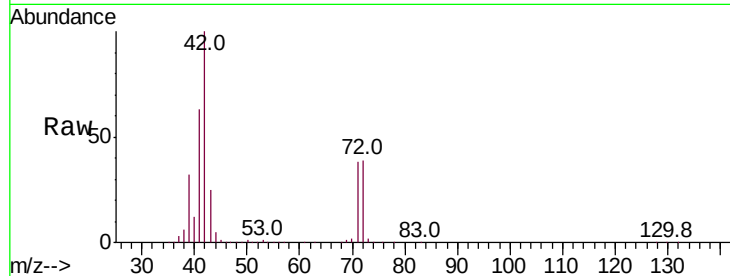
ClientSampled :

VL0529ABS01

Tot Ion:	42	Resp:	707478
Ion Ratio	Lower	Upper	
42	100		
72	39.9	32.0	48.0
71	39.1	30.4	45.6

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#42

Bromodichloromethane

Concen: 10.963 ppbv

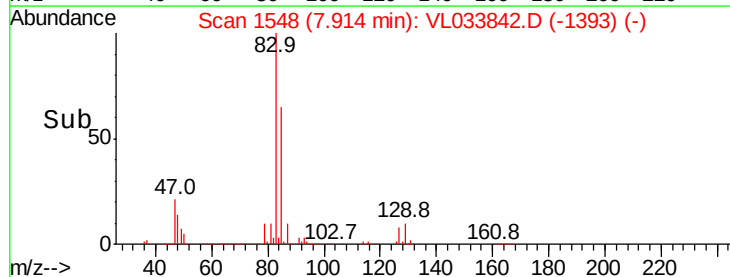
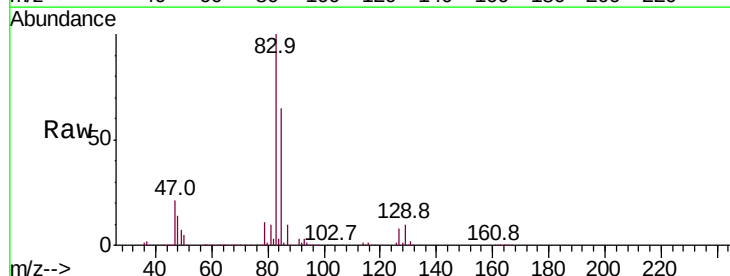
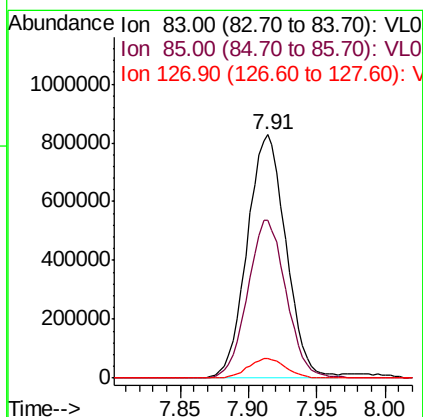
RT: 7.91 min Scan# 1548

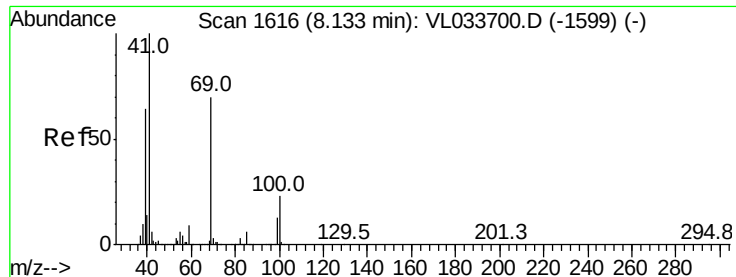
Delta R.T. -0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Tgt Ion:	83	Resp:	1632588
Ion Ratio	Lower	Upper	
83	100		
85	64.6	53.3	79.9
127	7.9	6.5	9.7





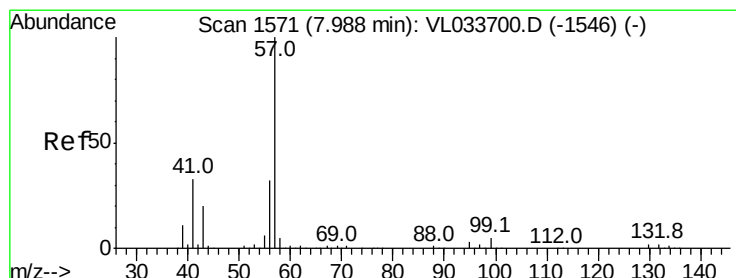
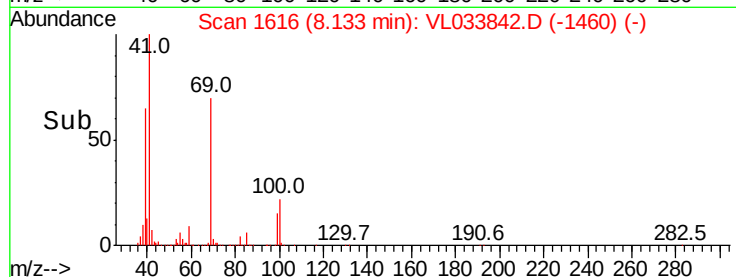
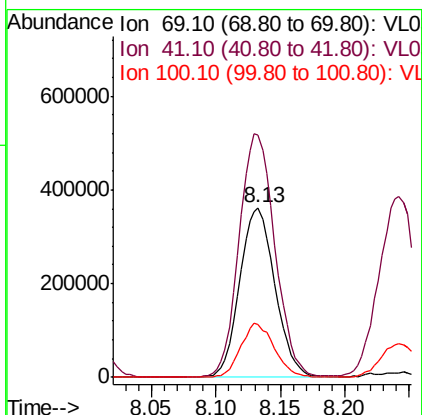
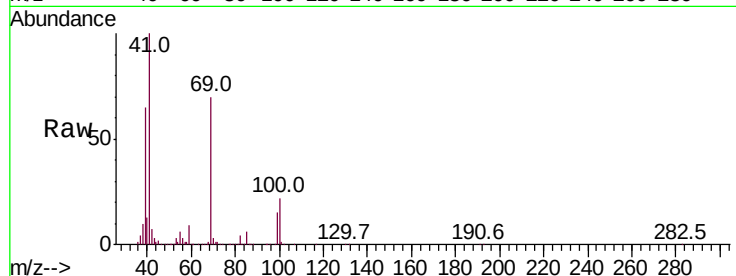
#43
Methyl Methacrylate
Concen: 11.122 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VL033842.D
Acq: 29 May 2019 18:50

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	146.0	116.3	174.5
100	30.4	25.3	37.9

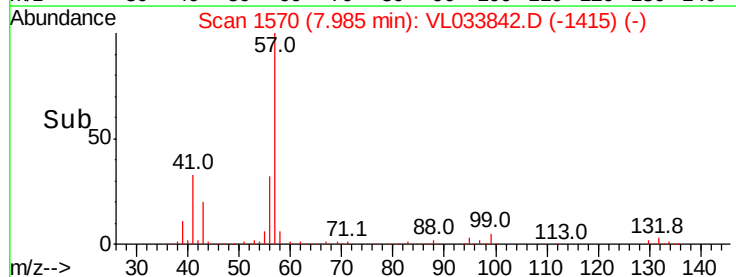
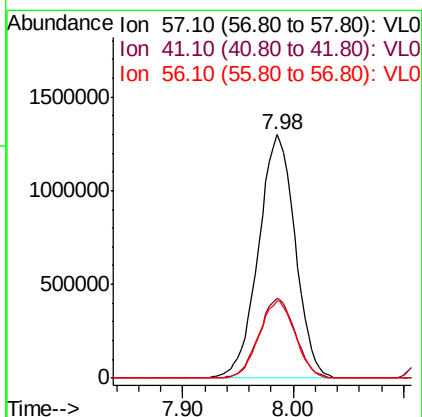
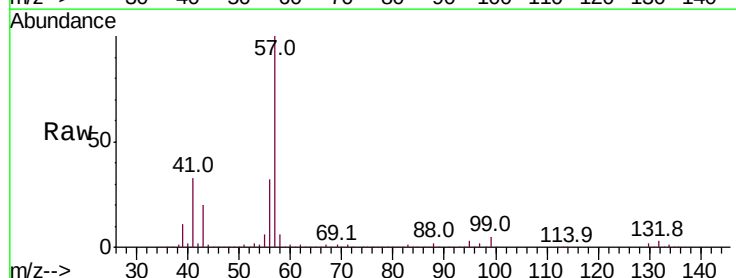
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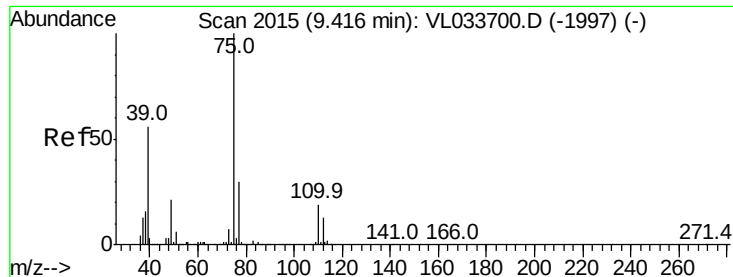
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#44
2,2,4-Trimethylpentane
Concen: 10.516 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL033842.D
Acq: 29 May 2019 18:50

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.7	25.4	38.0
56	31.2	24.7	37.1





#45

t-1,3-Dichloropropene

Concen: 11.224 ppbv

RT: 9.41 min Scan# 2013

Delta R.T. -0.01 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Instrument :

MSVOA_L

ClientSampleID :

VL0529ABS01

Tot Ion: 75 Resp: 883048

Ion Ratio Lower Upper

75 100

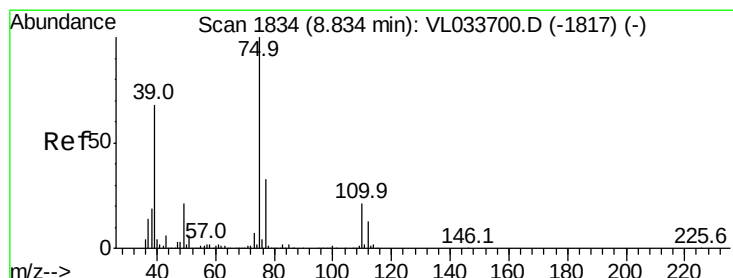
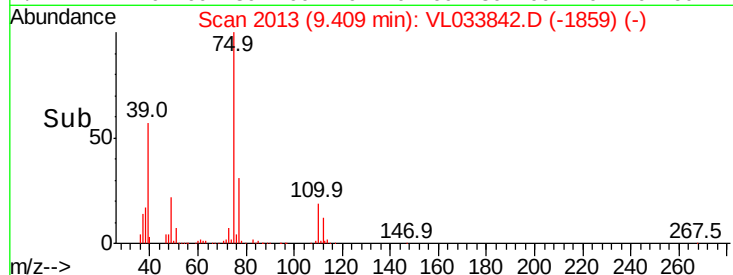
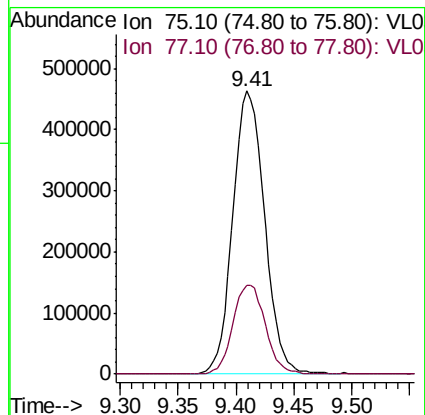
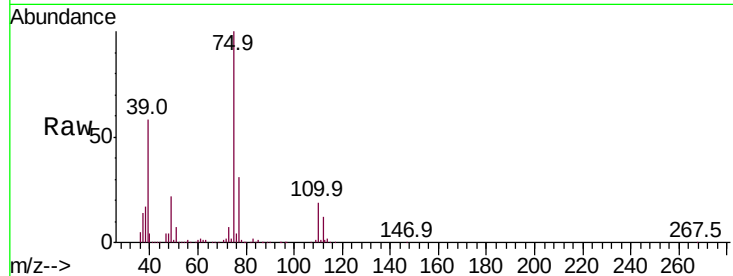
77 31.3 24.4 36.6

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#46

cis-1,3-Dichloropropene

Concen: 11.289 ppbv

RT: 8.83 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

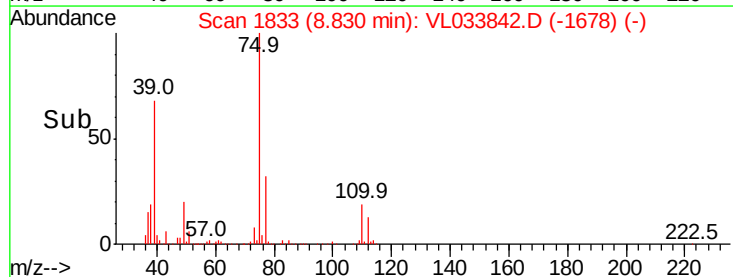
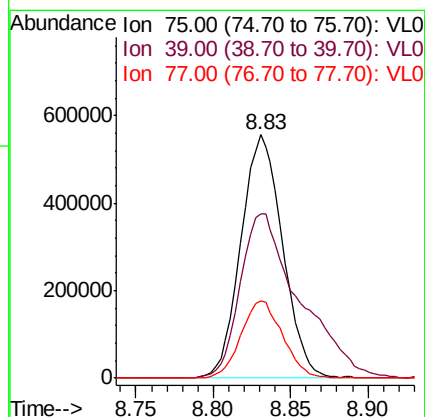
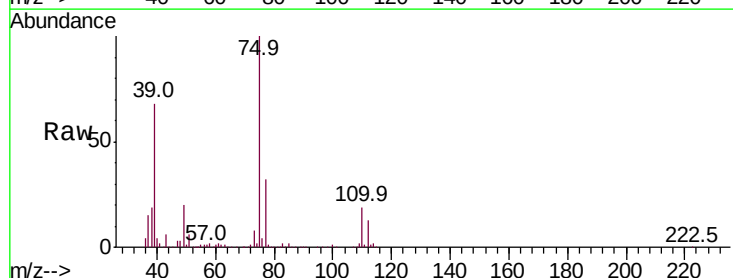
Tgt Ion: 75 Resp: 1039979

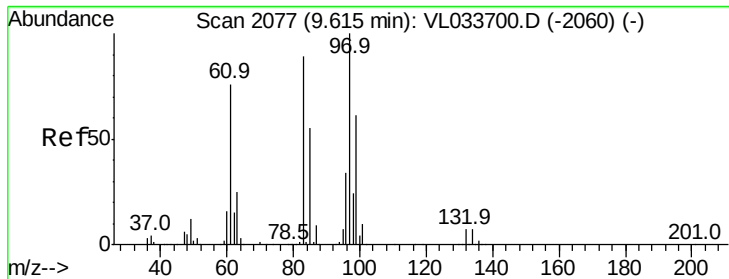
Ion Ratio Lower Upper

75 100

39 67.6 54.4 81.6

77 31.9 26.6 39.8





#47

1,1,2-Trichloroethane

Concen: 9.451 ppbv

RT: 9.61 min Scan# 2076

Delta R.T. -0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Instrument :

MSVOA_L

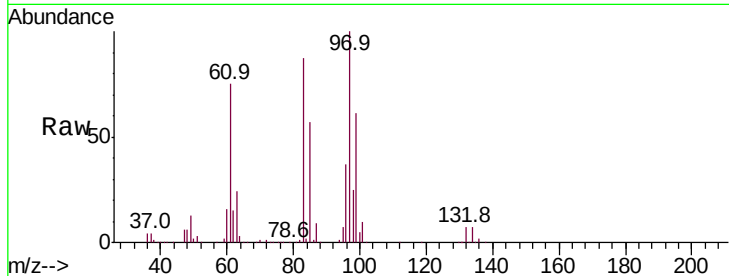
ClientSampleId :

VL0529ABS01

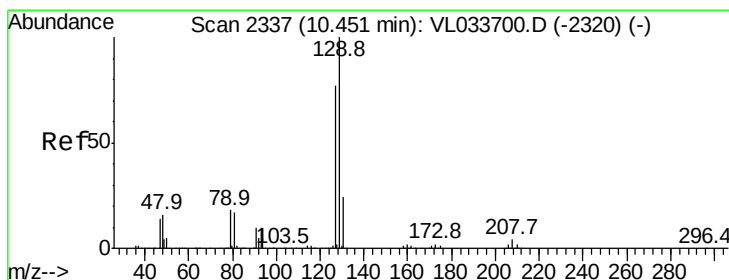
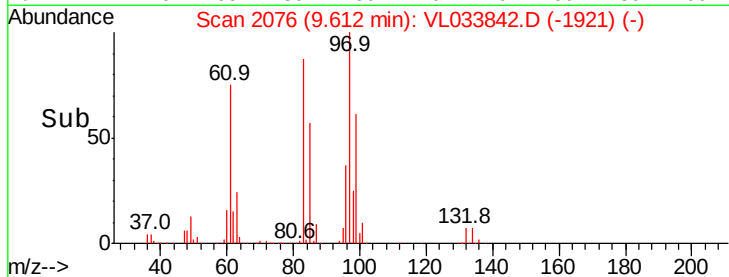
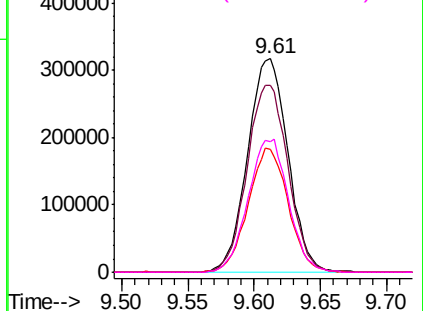
Tot Ion:	97	Resp:	675051
Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.8	106.2
85	57.4	43.7	65.5
99	61.4	48.7	73.1

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



#48

Dibromochloromethane

Concen: 10.549 ppbv

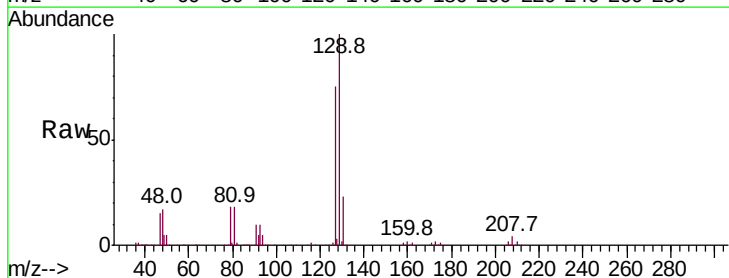
RT: 10.44 min Scan# 2335

Delta R.T. -0.01 min

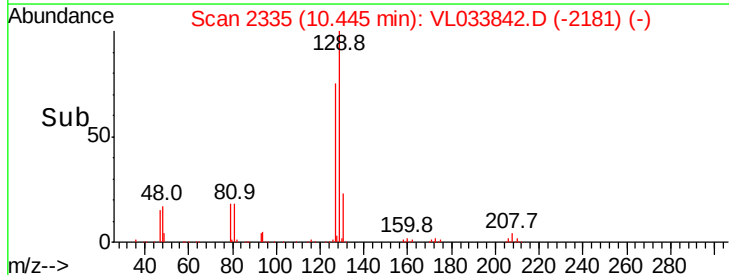
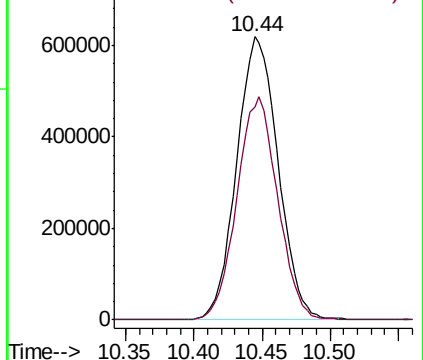
Lab File: VL033842.D

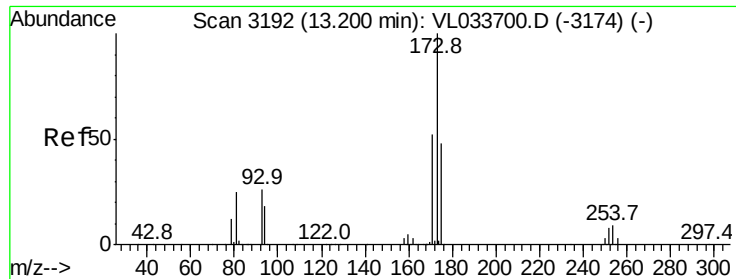
Acq: 29 May 2019 18:50

Tgt Ion:	129	Resp:	1305443
Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.6	116.0



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





#49

Bromoform

Concen: 11.947 ppbv

RT: 13.20 min Scan# 3191

Delta R.T. -0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tot Ion:173 Resp: 1244014

Ion Ratio Lower Upper

173 100

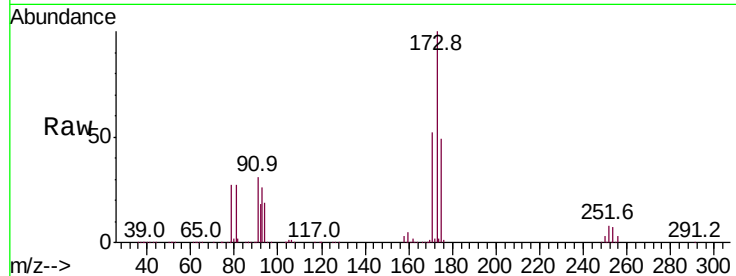
175 48.4 38.6 58.0

171 51.8 41.5 62.3

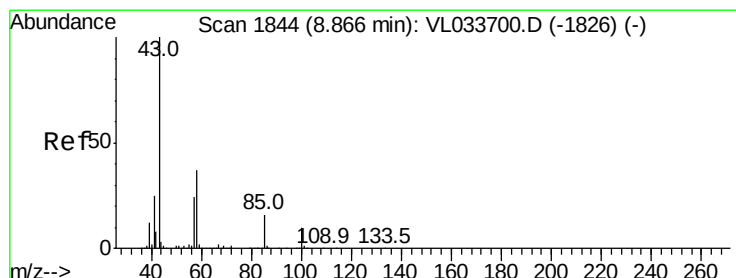
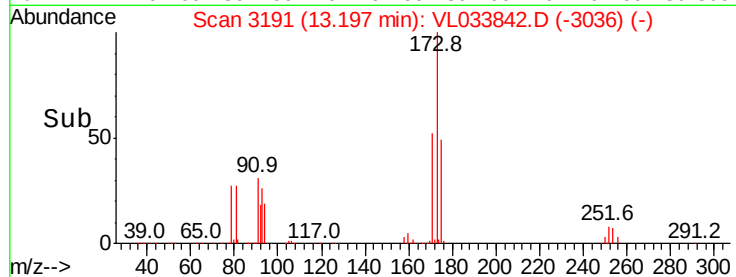
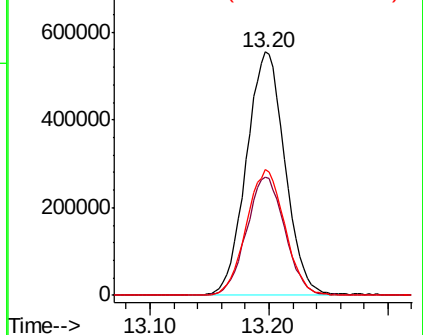
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.503 ppbv

RT: 8.86 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VL033842.D

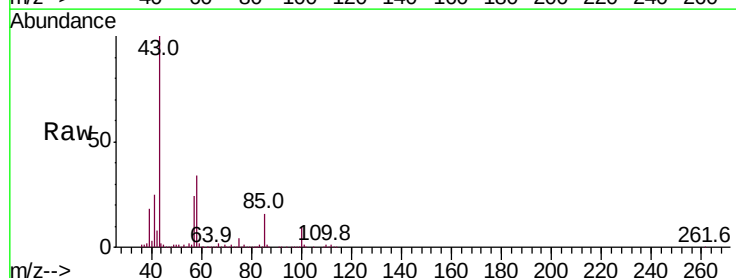
Acq: 29 May 2019 18:50

Tgt Ion: 43 Resp: 1856396

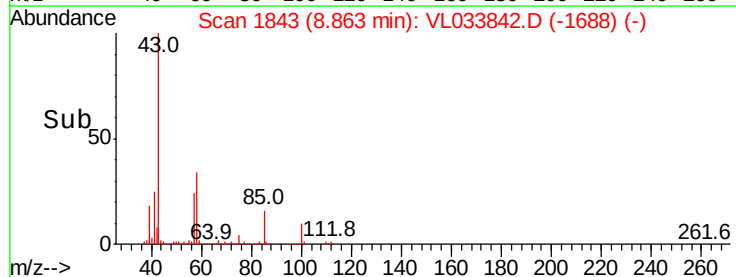
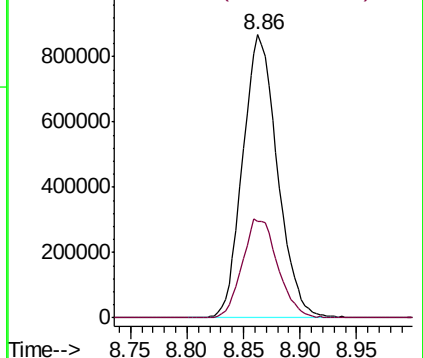
Ion Ratio Lower Upper

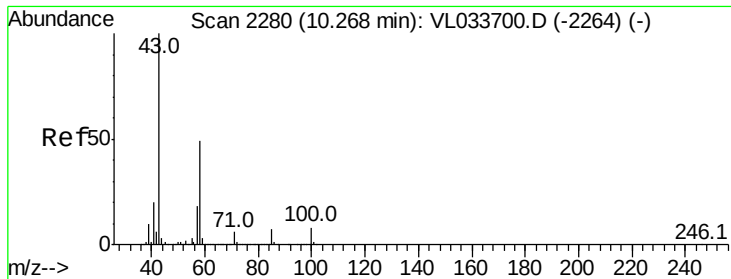
43 100

58 35.7 28.6 43.0



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





#51

2-Hexanone

Concen: 10.761 ppbv

RT: 10.26 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tot Ion: 43 Resp: 1484343

Ion Ratio Lower Upper

43 100

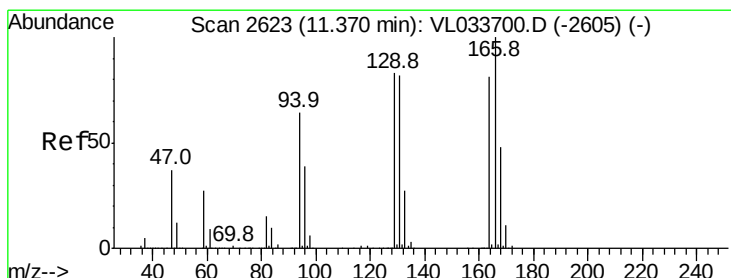
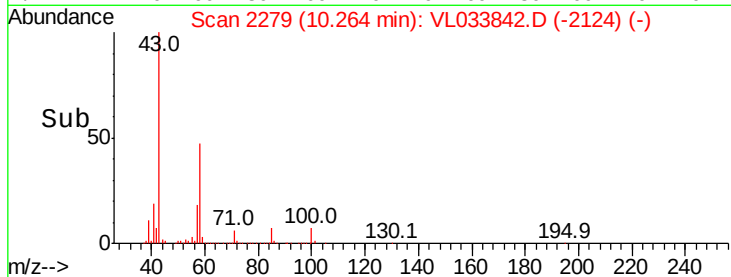
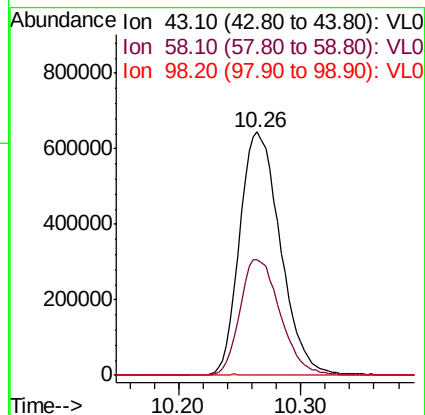
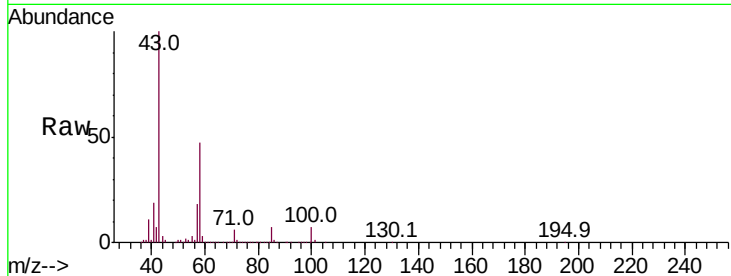
58 47.3 38.7 58.1

98 0.5 0.2 0.4#

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#52

Tetrachloroethene

Concen: 10.610 ppbv

RT: 11.37 min Scan# 2622

Delta R.T. -0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Tgt Ion: 164 Resp: 628945

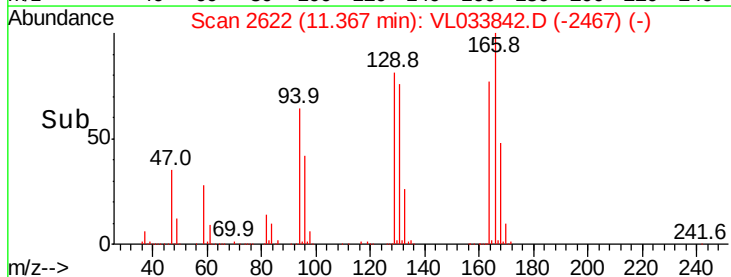
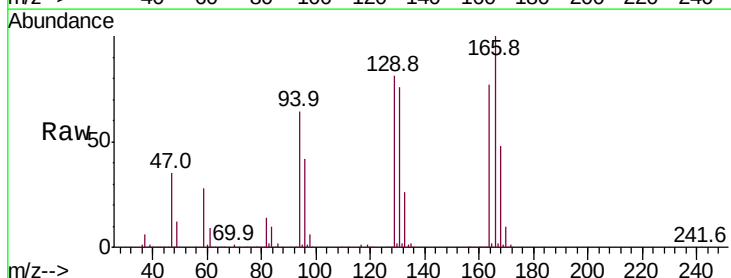
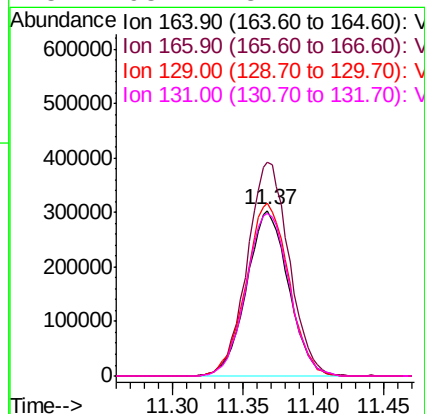
Ion Ratio Lower Upper

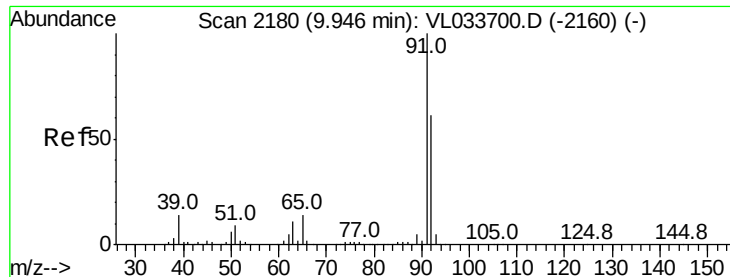
164 100

166 129.1 98.9 148.3

129 104.5 81.8 122.6

131 98.2 81.1 121.7





#53

Toluene

Concen: 10.651 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tot Ion: 91 Resp: 1937184

Ion Ratio Lower Upper

91 100

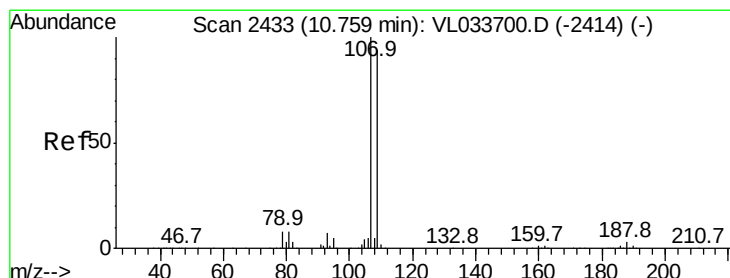
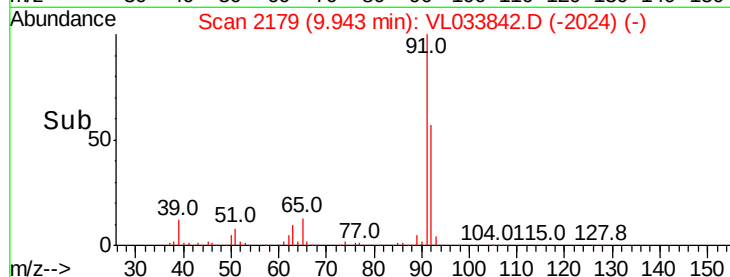
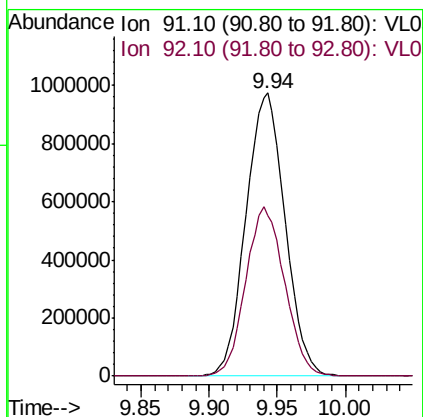
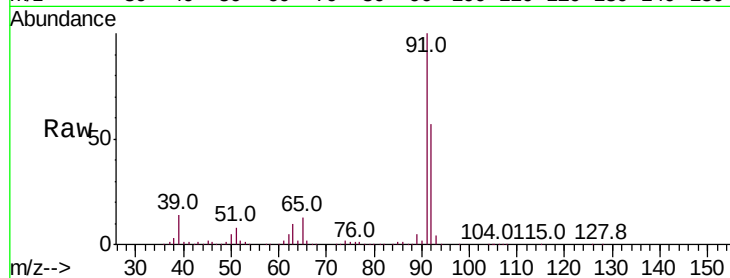
92 59.6 47.6 71.4

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#54

1,2-Dibromoethane

Concen: 10.102 ppbv

RT: 10.76 min Scan# 2432

Delta R.T. -0.00 min

Lab File: VL033842.D

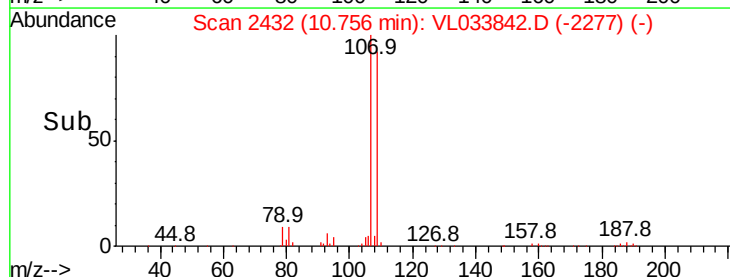
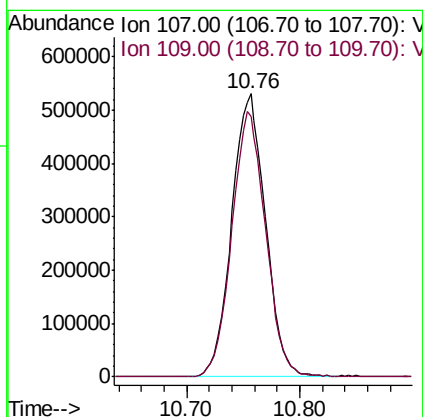
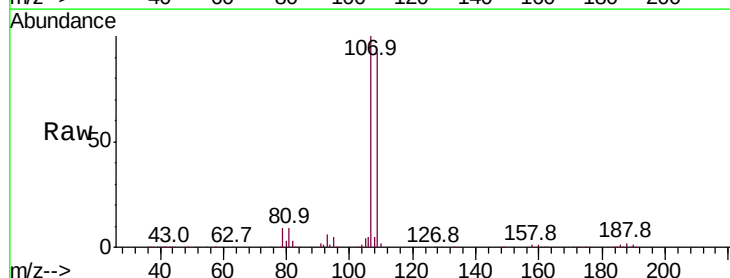
Acq: 29 May 2019 18:50

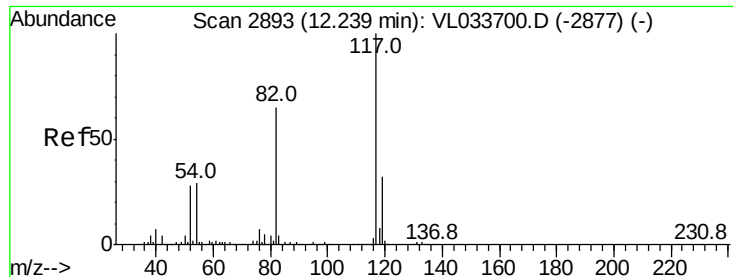
Tgt Ion: 107 Resp: 1101054

Ion Ratio Lower Upper

107 100

109 91.9 75.2 112.8





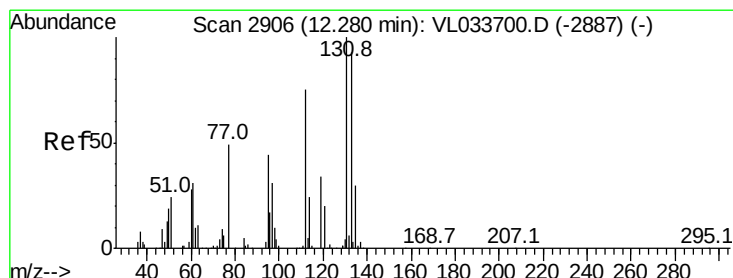
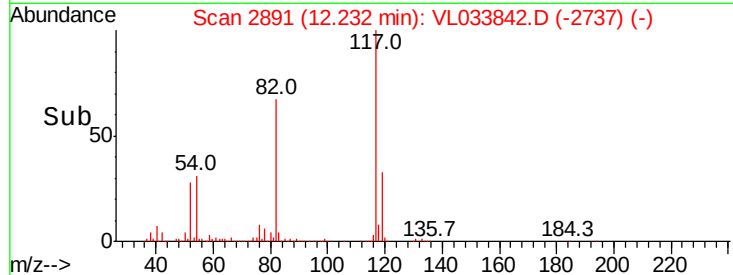
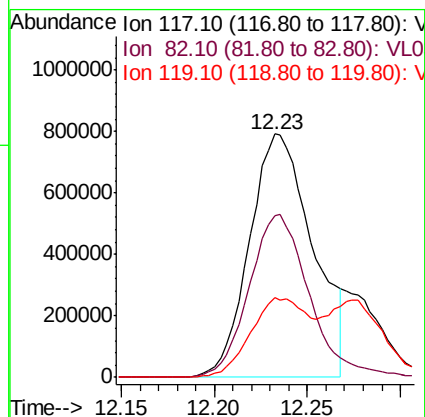
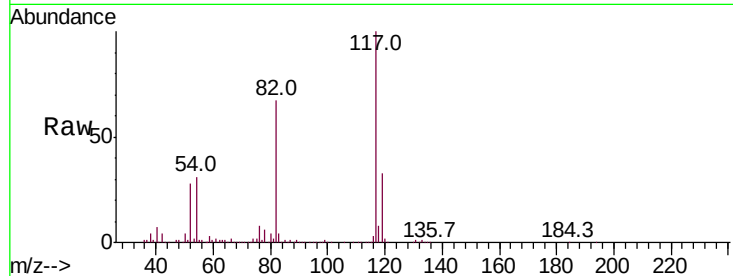
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033842.D
Acq: 29 May 2019 18:50

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.1	49.4	74.0
119	32.1	24.9	37.3

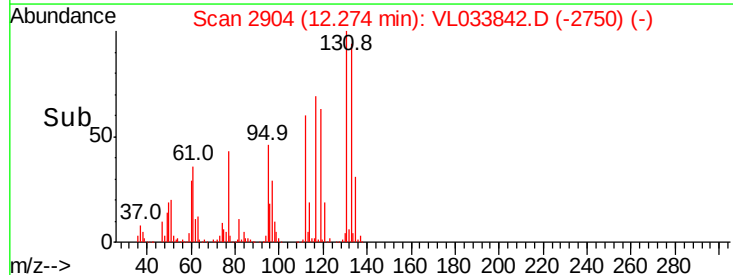
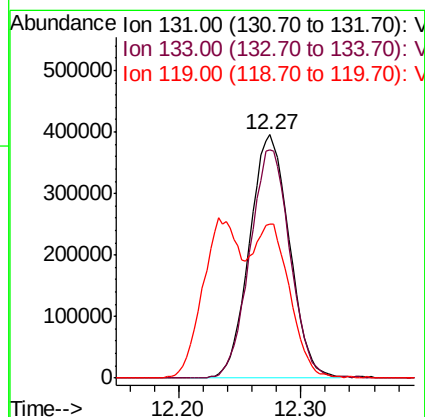
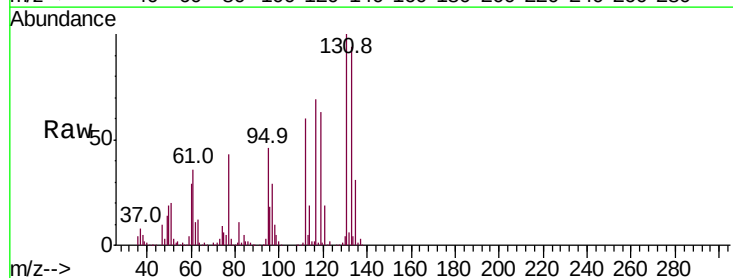
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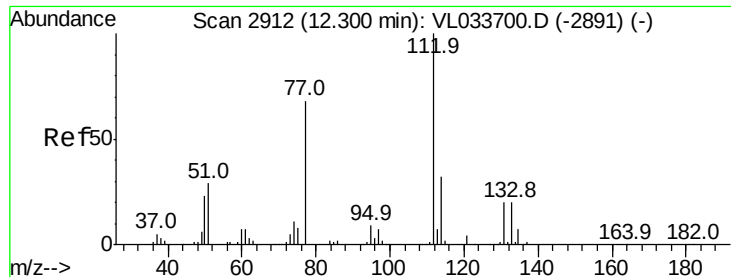
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.282 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033842.D
Acq: 29 May 2019 18:50

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	76.6	114.8
119	54.8	49.0	73.4





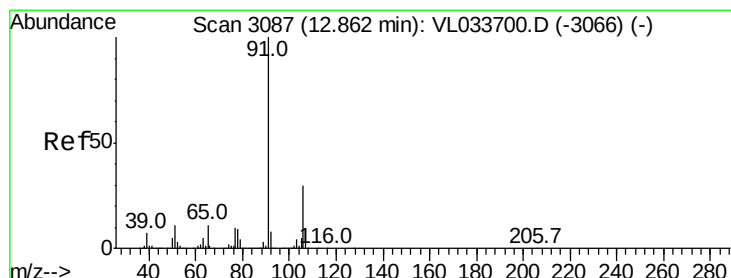
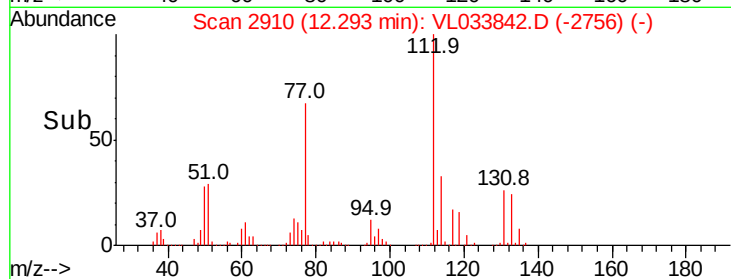
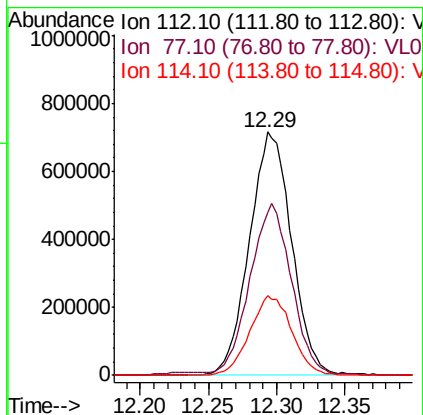
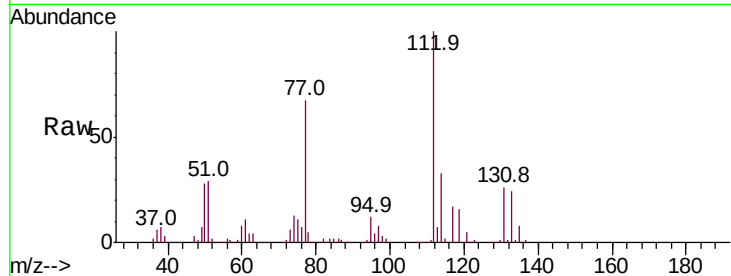
#57
Chlorobenzene
Concen: 9.952 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL033842.D
Acq: 29 May 2019 18:50

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	66.4	55.4	83.0
114	32.6	29.3	35.8

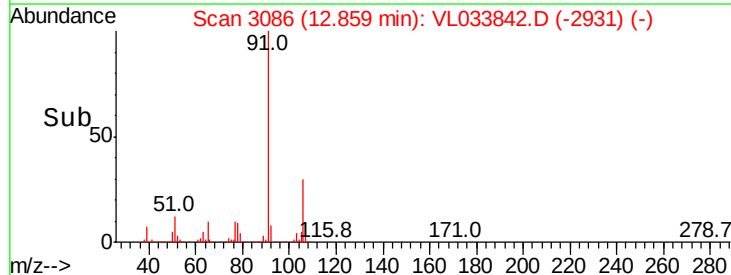
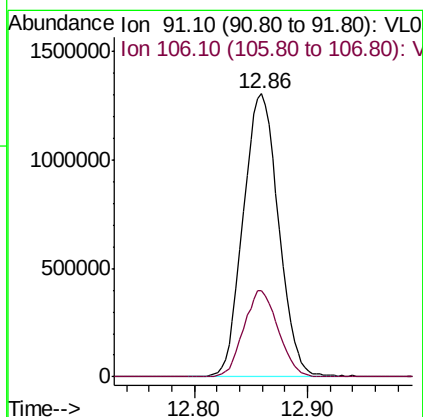
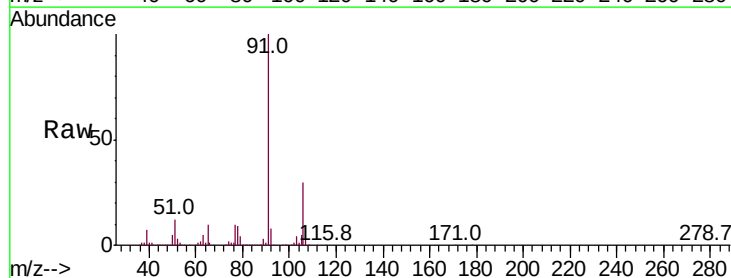
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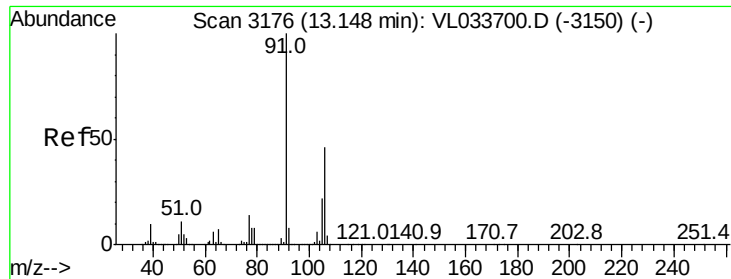
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#58
Ethyl Benzene
Concen: 11.431 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033842.D
Acq: 29 May 2019 18:50

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.9	35.9





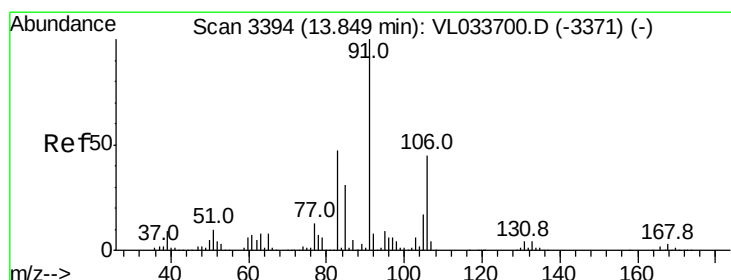
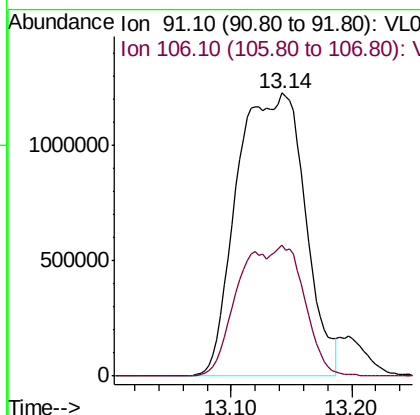
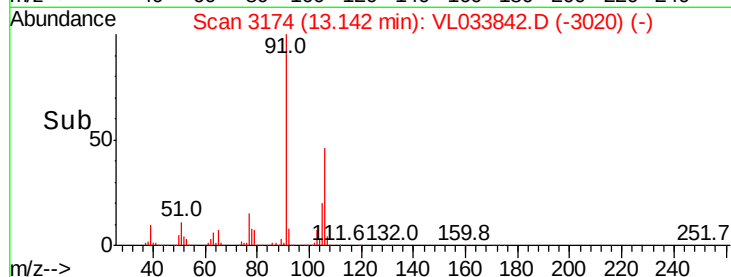
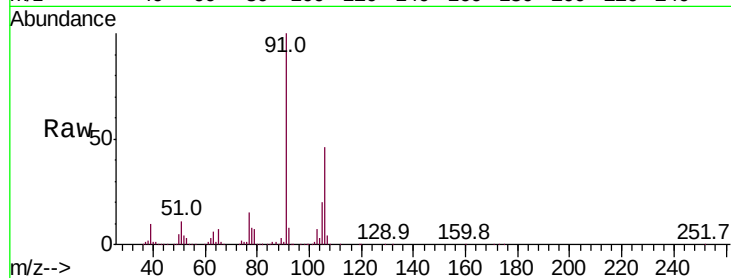
#59
m/p-Xylene
Concen: 22.330 ppbv m
RT: 13.14 min Scan# 3174
Delta R.T. -0.01 min
Lab File: VL033842.D
Acq: 29 May 2019 18:50

Instrument :
MSVOA_L
ClientSampled :
VL0529ABS01

Tot Ion: 91 Resp: 4848583
Ion Ratio Lower Upper
91 100
106 44.9 35.8 53.6

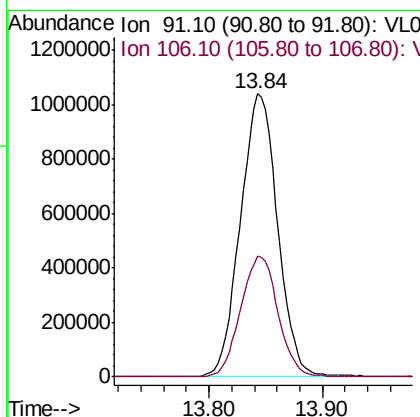
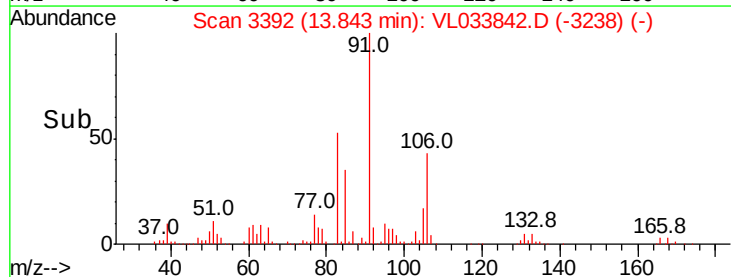
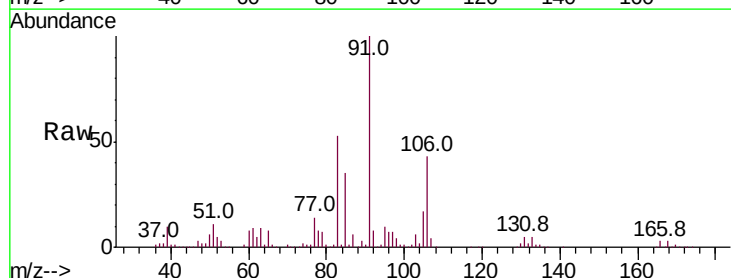
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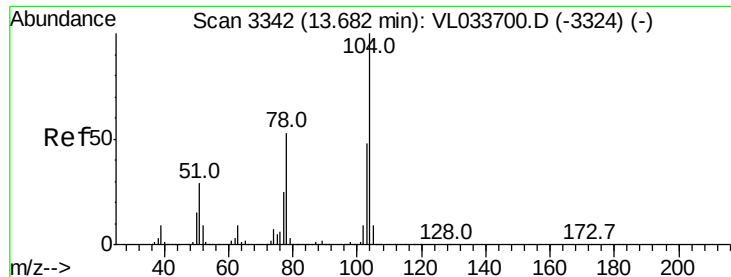
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#60
o-Xylene
Concen: 10.835 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033842.D
Acq: 29 May 2019 18:50

Tgt Ion: 91 Resp: 2371706
Ion Ratio Lower Upper
91 100
106 43.1 21.6 64.8





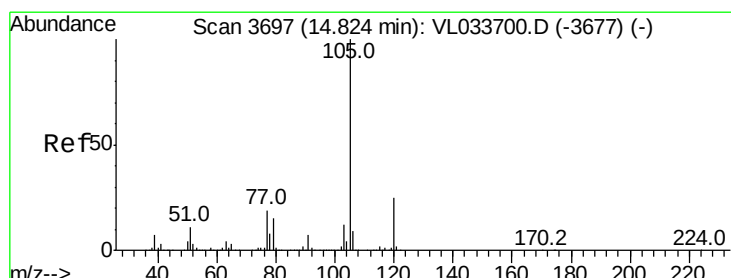
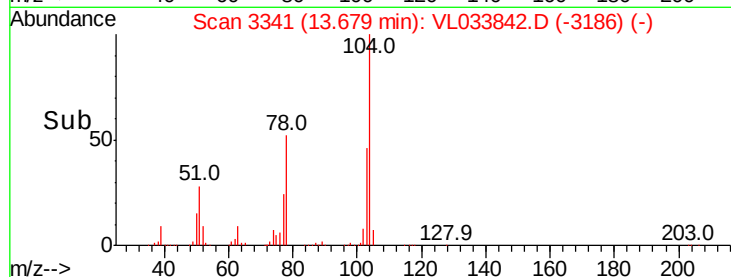
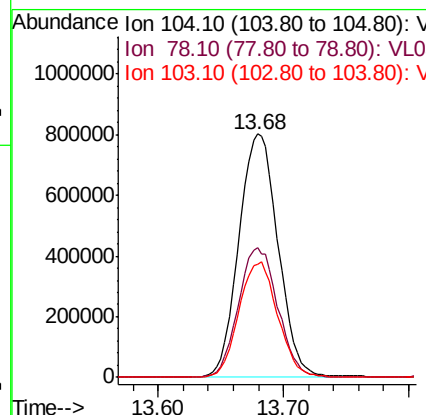
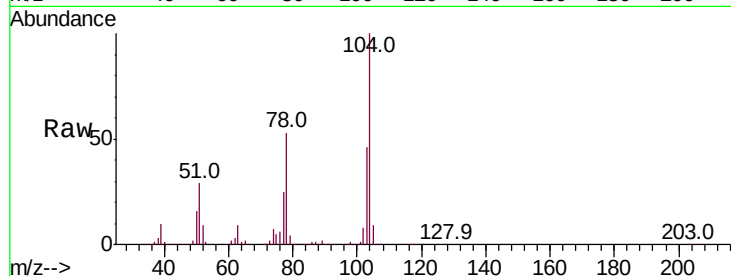
#61
Stvrene
Concen: 11.785 ppbv
RT: 13.68 min Scan# 3341
Delta R.T. -0.00 min
Lab File: VL033842.D
Acq: 29 May 2019 18:50

Instrument :
MSVOA_L
ClientSampled :
VL0529ABS01

Tot Ion:104 Resp: 1736807
Ion Ratio Lower Upper
104 100
78 54.2 42.6 64.0
103 47.3 37.8 56.6

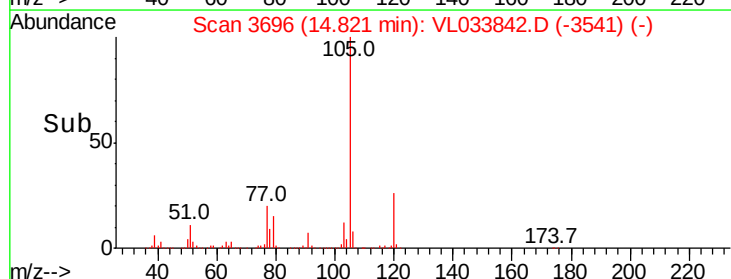
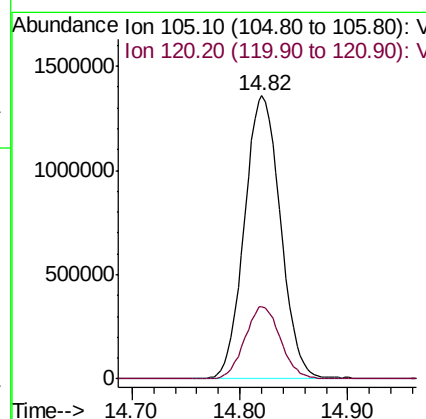
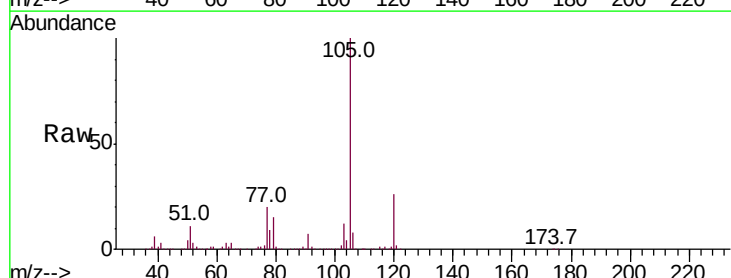
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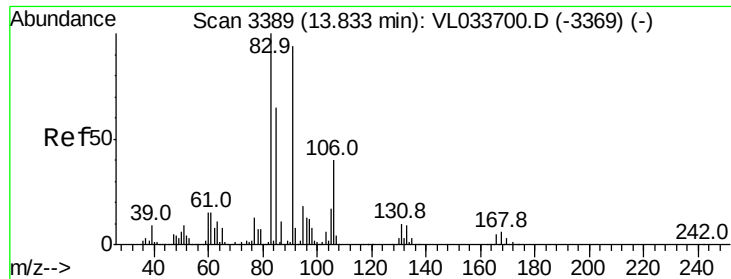
apatel
5/31/2019 12:45:12 PM



#62
Isopropylbenzene
Concen: 10.717 ppbv
RT: 14.82 min Scan# 3696
Delta R.T. -0.00 min
Lab File: VL033842.D
Acq: 29 May 2019 18:50

Tgt Ion:105 Resp: 3159037
Ion Ratio Lower Upper
105 100
120 25.3 20.1 30.1





#63

1,1,2,2-Tetrachloroethane

Concen: 10.459 ppbv

RT: 13.83 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tot Ion: 83 Resp: 1664796

Ion Ratio Lower Upper

83 100

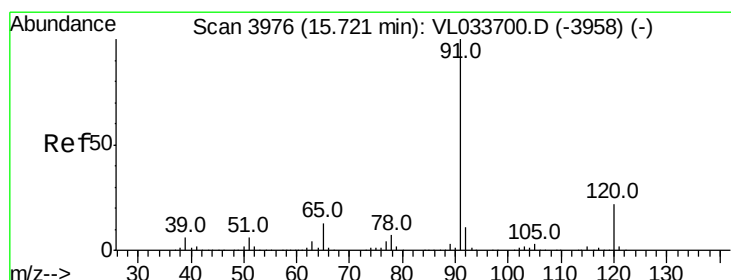
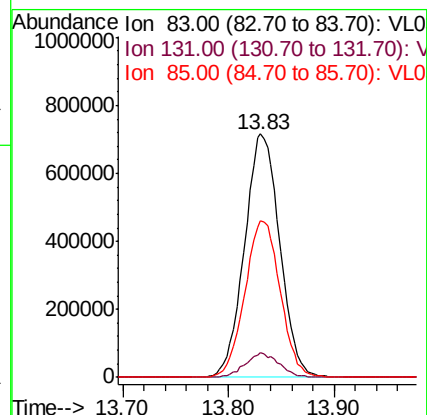
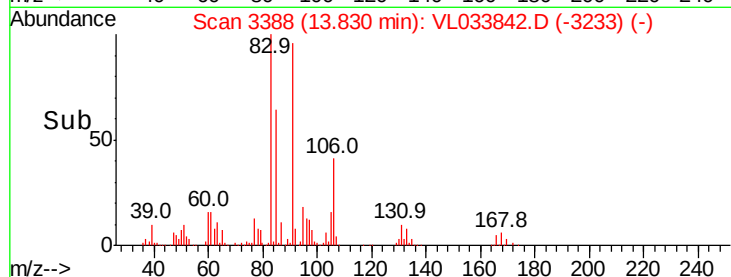
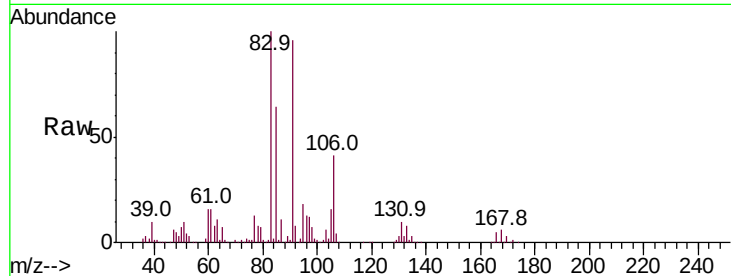
131 9.6 4.8 14.3

85 64.7 32.3 96.9

Manual Integrations
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#64

n-propylbenzene

Concen: 10.806 ppbv

RT: 15.72 min Scan# 3976

Delta R.T. 0.00 min

Lab File: VL033842.D

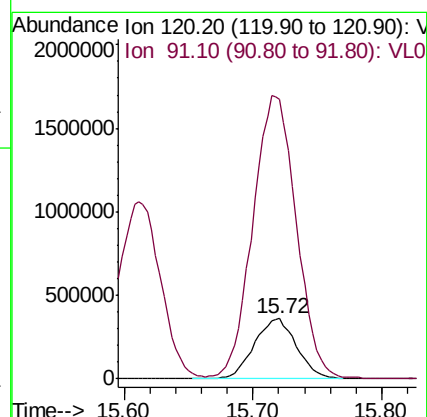
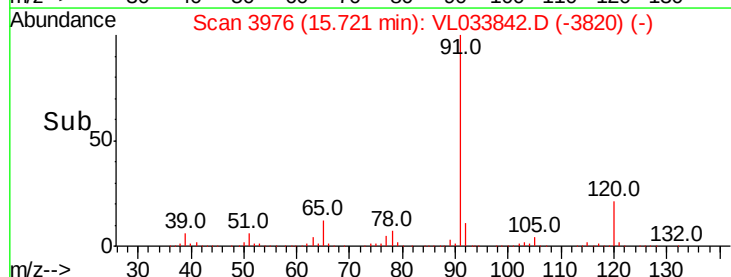
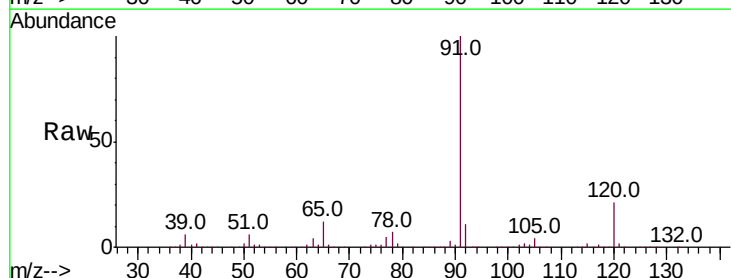
Acq: 29 May 2019 18:50

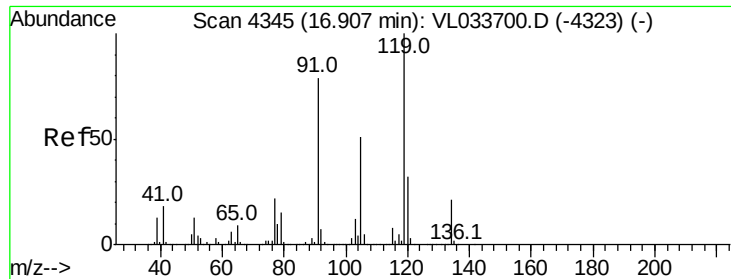
Tgt Ion:120 Resp: 823940

Ion Ratio Lower Upper

120 100

91 484.9 379.1 568.7





#65

tert-Butylbenzene

Concen: 11.156 ppbv

RT: 16.90 min Scan# 4343

Delta R.T. -0.01 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tot Ion:119 Resp: 3002544

Ion Ratio Lower Upper

119 100

91 82.3 65.3 97.9

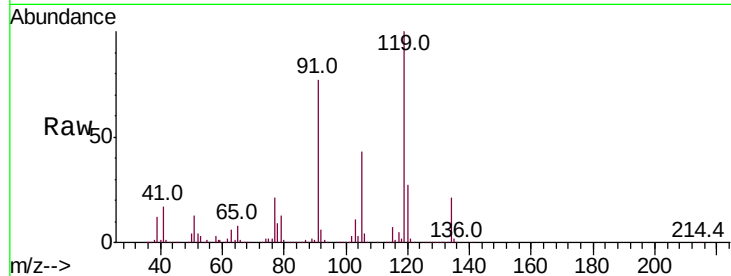
134 19.4 15.7 23.5

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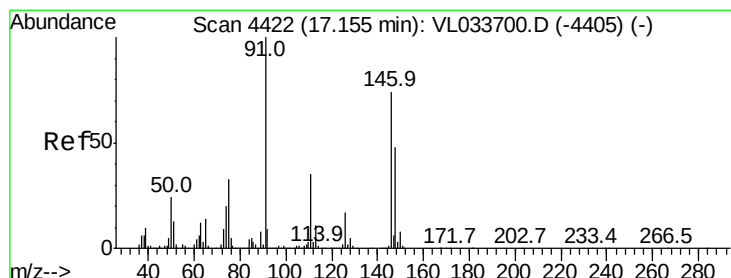
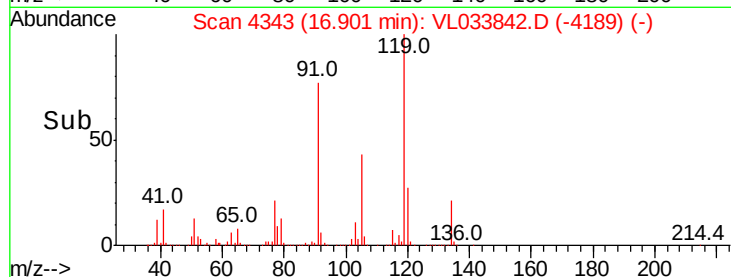
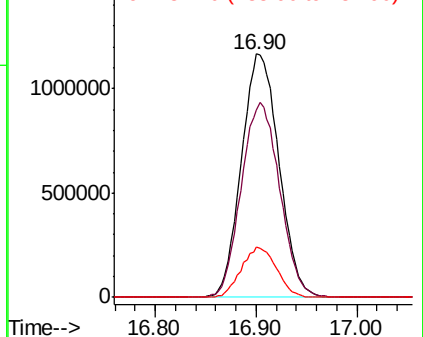
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.768 ppbv

RT: 17.15 min Scan# 4421

Delta R.T. -0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

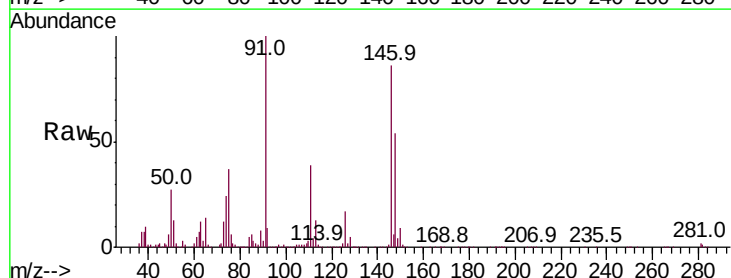
Tgt Ion: 91 Resp: 1508507

Ion Ratio Lower Upper

91 100

126 16.6 13.5 20.3

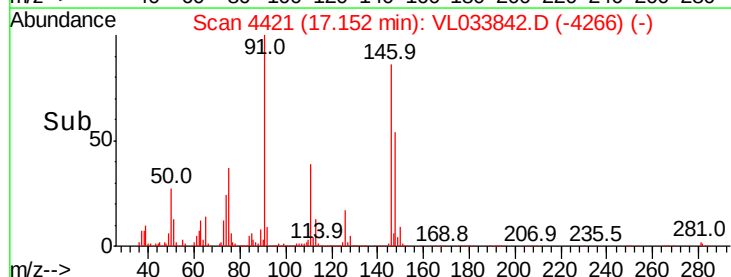
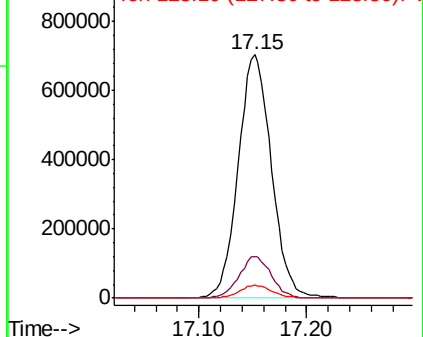
128 5.3 4.3 6.5

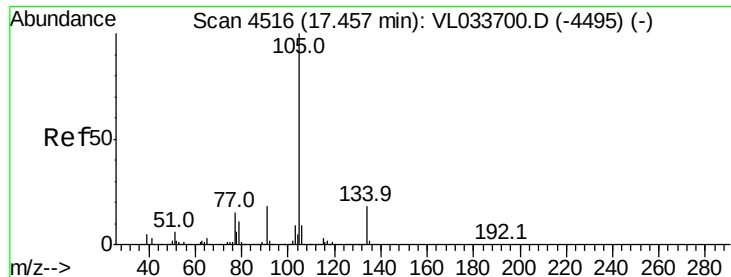


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 11.159 ppbv

RT: 17.45 min Scan# 4515

Delta R.T. -0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tot Ion:105 Resp: 4203409

Ion Ratio Lower Upper

105 100

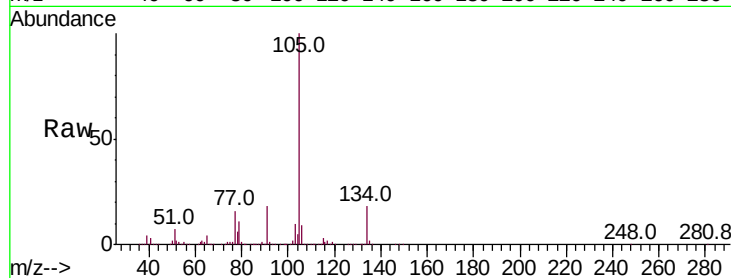
134 18.0 14.6 22.0

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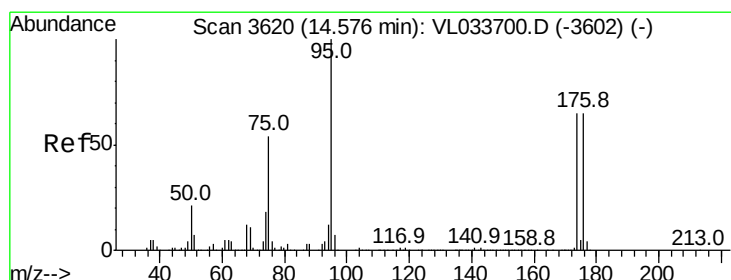
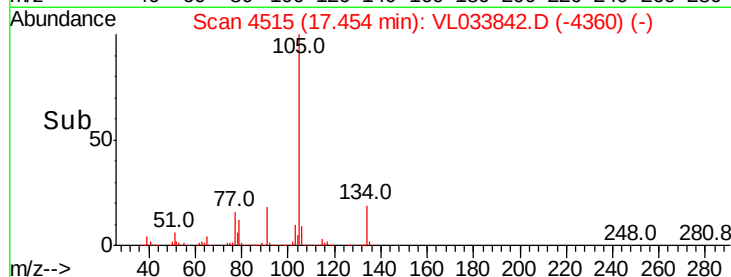
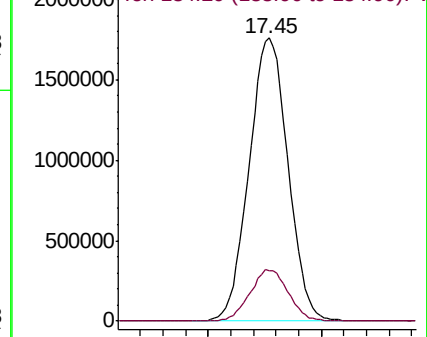
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.857 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

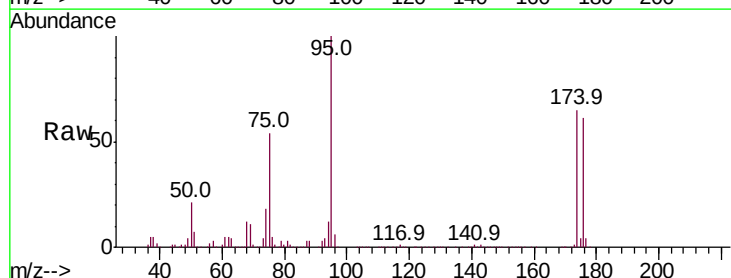
Tgt Ion: 95 Resp: 1498883

Ion Ratio Lower Upper

95 100

174 66.7 53.9 80.9

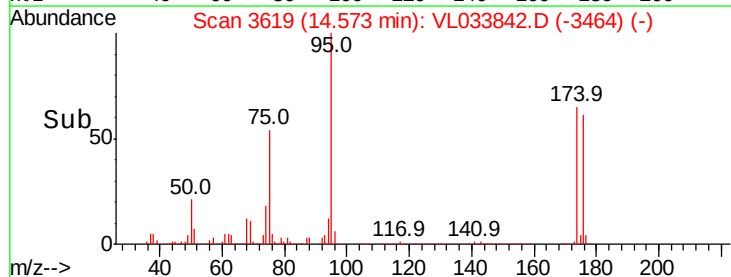
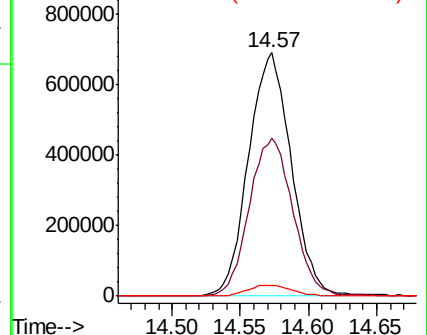
175 4.8 3.8 5.8

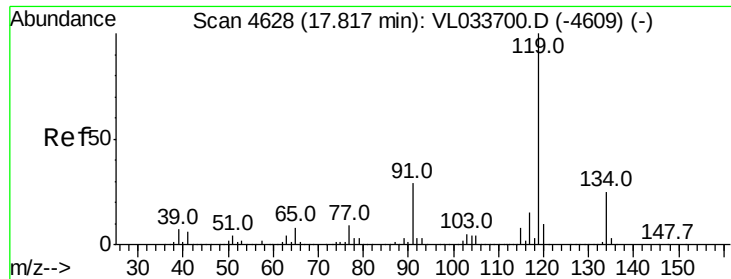


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





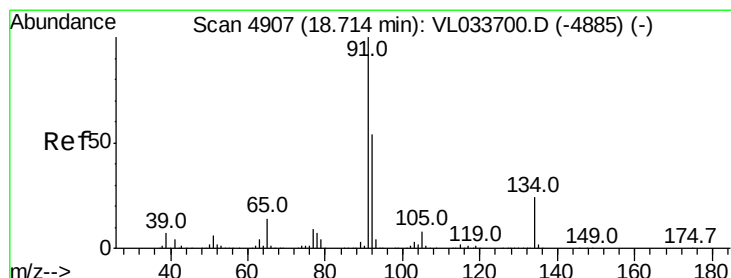
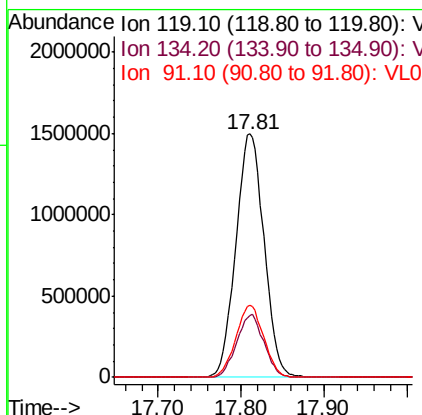
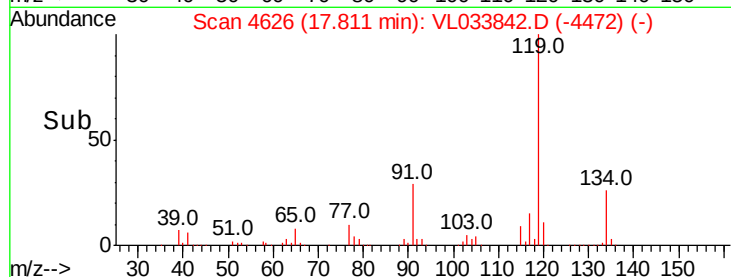
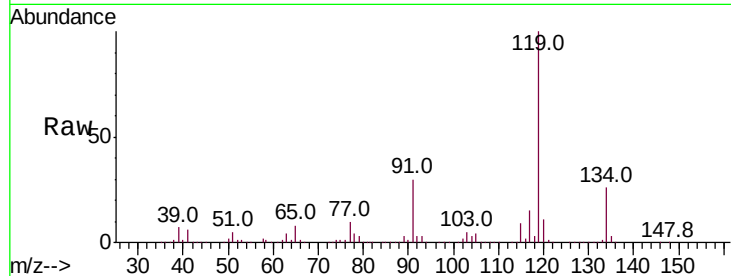
#69
 p-Isopropyltoluene
 Concen: 11.345 ppbv
 RT: 17.81 min Scan# 4626
 Delta R.T. -0.01 min
 Lab File: VL033842.D
 Acq: 29 May 2019 18:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0529ABS01

Tot Ion: 119 Resp: 3532399
 Ion Ratio Lower Upper
 119 100
 134 25.1 20.3 30.5
 91 29.5 23.1 34.7

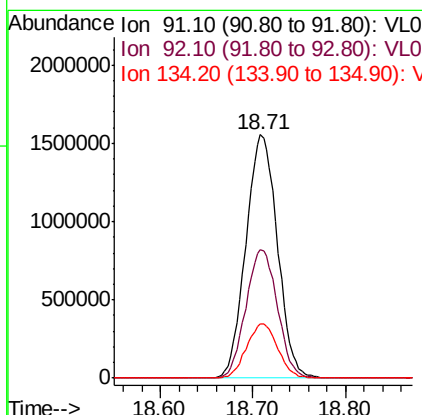
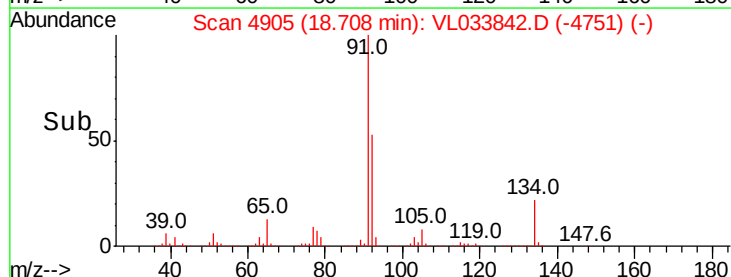
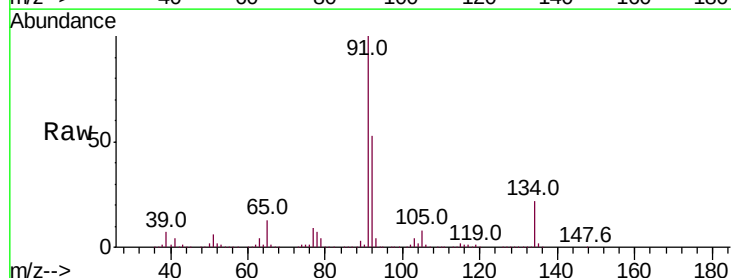
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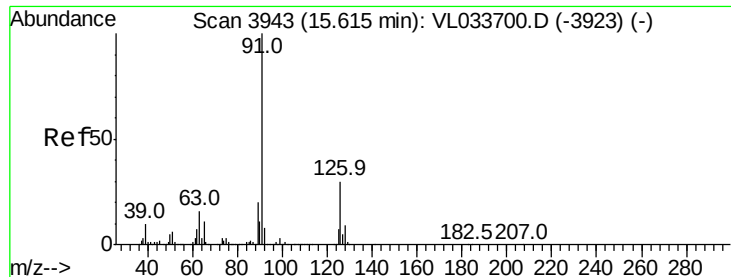
apatel
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#70
 n-Butylbenzene
 Concen: 10.992 ppbv
 RT: 18.71 min Scan# 4905
 Delta R.T. -0.01 min
 Lab File: VL033842.D
 Acq: 29 May 2019 18:50

Tgt Ion: 91 Resp: 3670150
 Ion Ratio Lower Upper
 91 100
 92 52.9 42.6 63.8
 134 22.0 18.1 27.1





#71

2-Chlorotoluene

Concen: 11.074 ppbv

RT: 15.61 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tot Ion: 91 Resp: 2421837

Ion Ratio Lower Upper

91 100

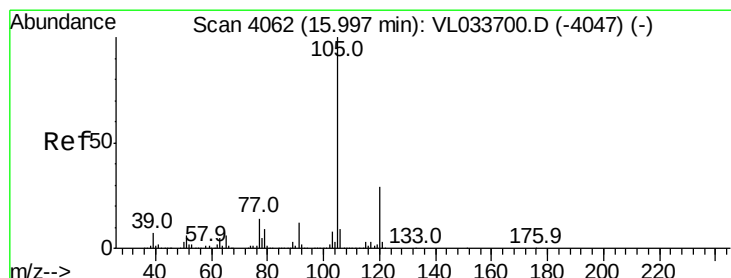
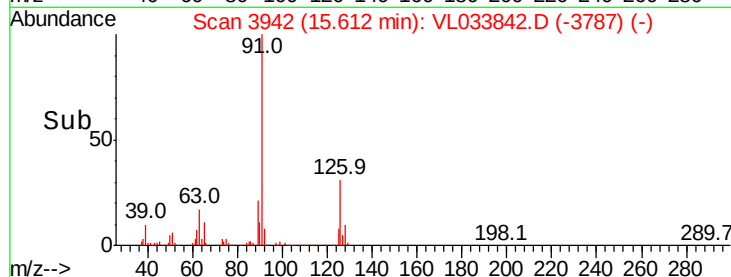
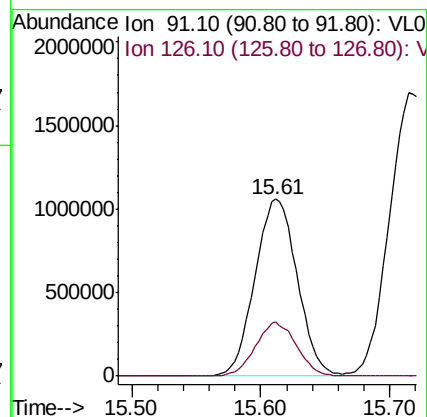
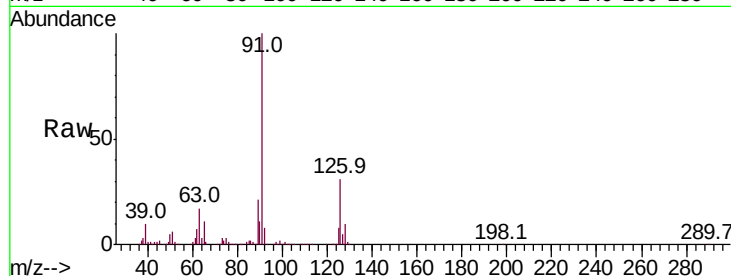
126 29.8 12.0 47.8

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#72

4-Ethyltoluene

Concen: 11.563 ppbv

RT: 16.00 min Scan# 4062

Delta R.T. 0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Tgt Ion:105 Resp: 2893925

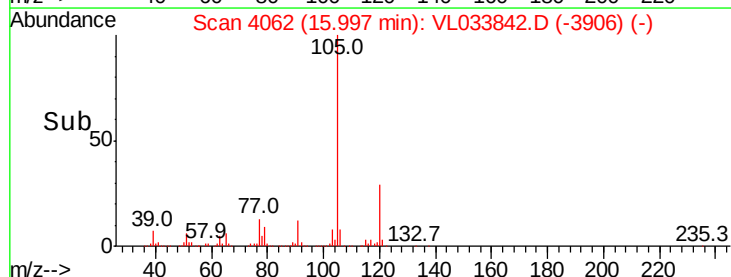
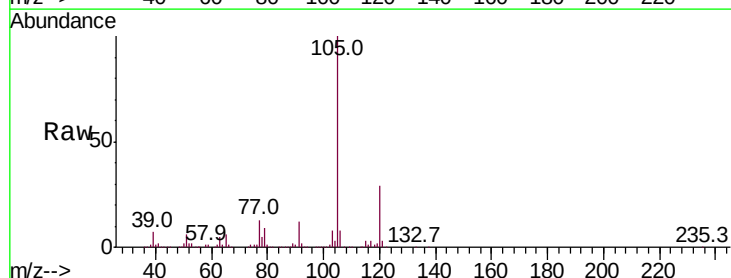
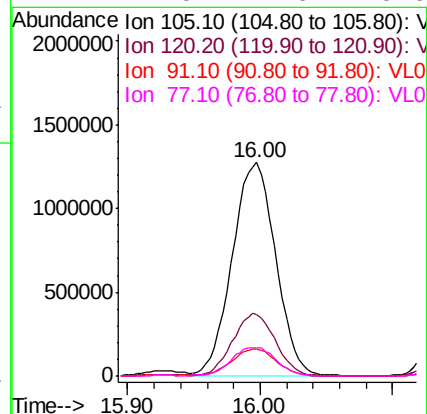
Ion Ratio Lower Upper

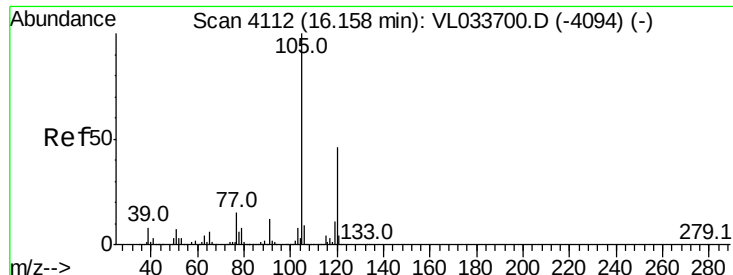
105 100

120 29.0 23.1 34.7

91 13.1 10.4 15.6

77 14.0 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 11.309 ppbv

RT: 16.15 min Scan# 4110

Delta R.T. -0.01 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Instrument :

MSVOA_L

ClientSampled :

VL0529ABS01

Tot Ion:105 Resp: 2761532

Ion Ratio Lower Upper

105 100

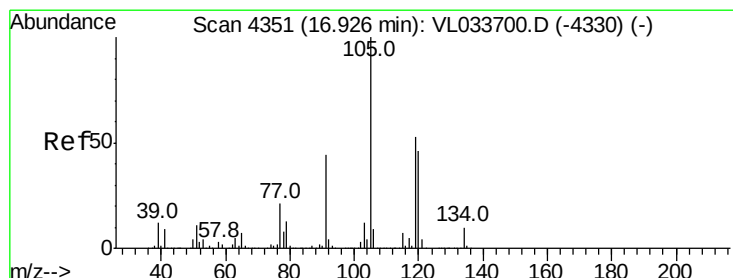
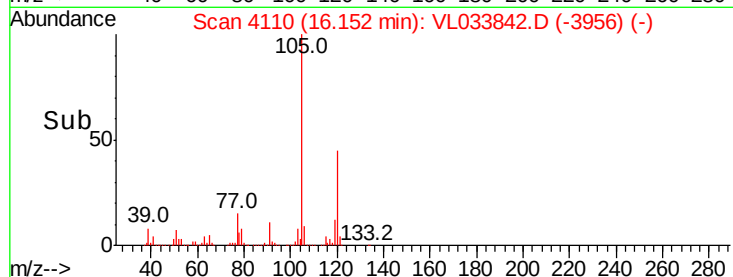
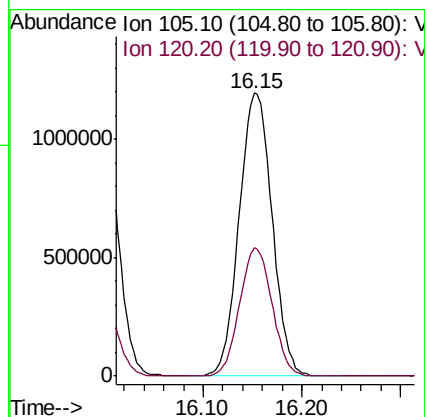
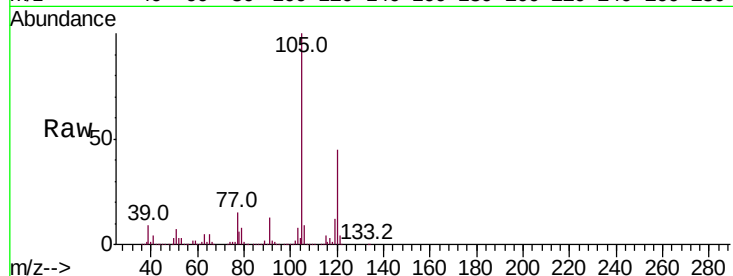
120 45.3 37.0 55.4

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#74

1,2,4-Trimethylbenzene

Concen: 10.840 ppbv

RT: 16.92 min Scan# 4350

Delta R.T. -0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Tgt Ion:105 Resp: 2880633

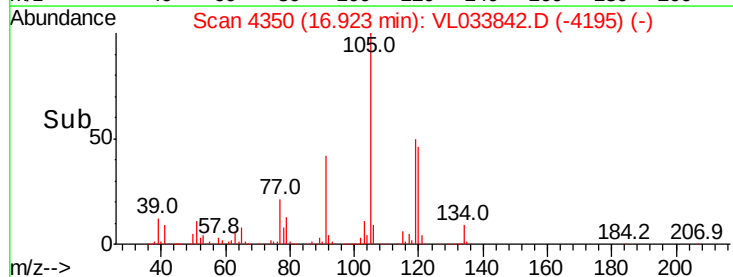
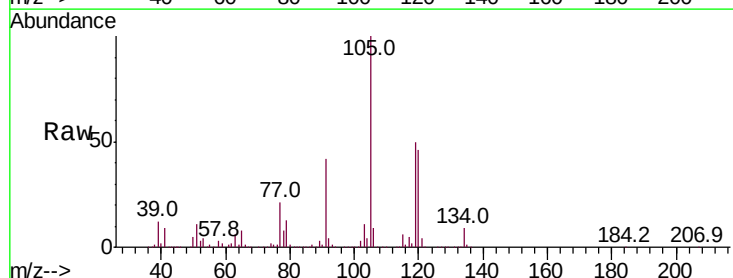
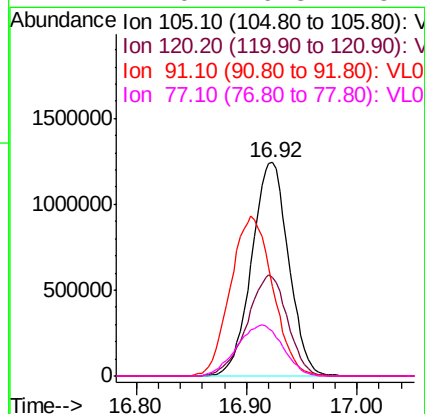
Ion Ratio Lower Upper

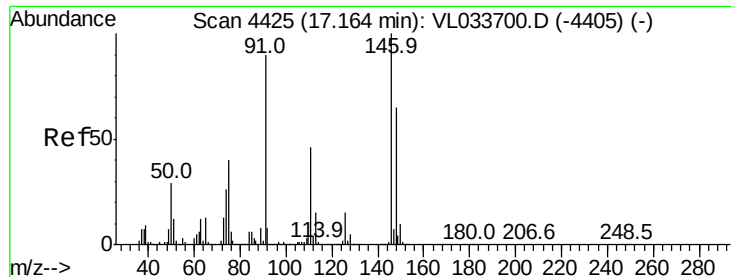
105 100

120 46.3 36.8 55.2

91 42.0 35.4 53.0

77 21.0 16.8 25.2





#75

1,3-Dichlorobenzene

Concen: 10.230 ppbv

RT: 17.16 min Scan# 4424

Delta R.T. -0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Instrument :

MSVOA_L

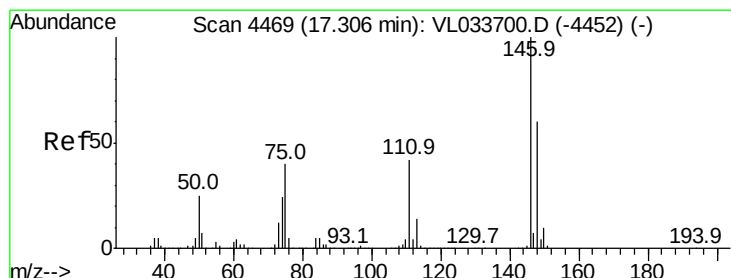
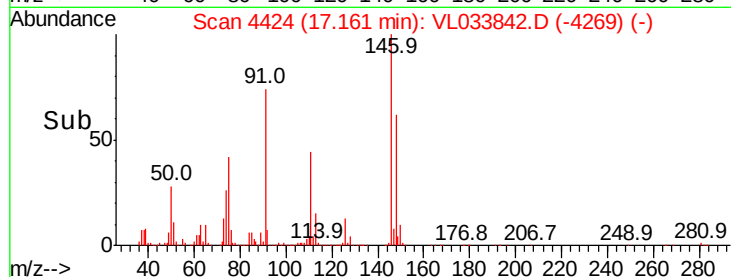
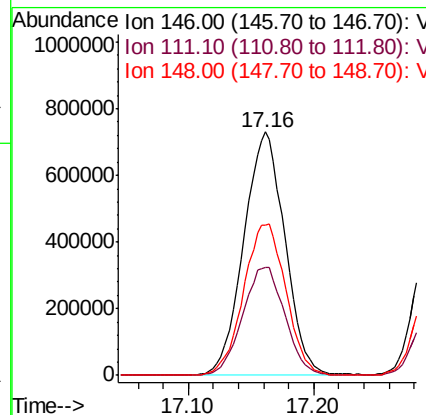
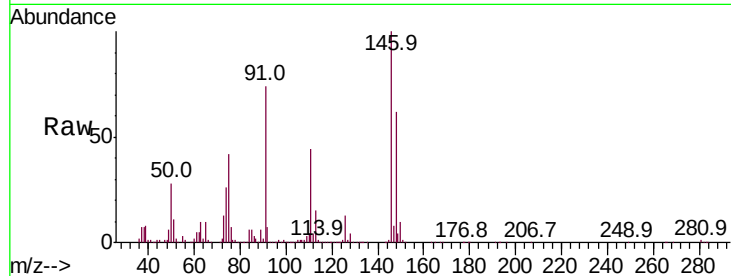
ClientSampleId :

VL0529ABS01

Tot Ion:	146	Resp:	1665967
Ion	Ratio	Lower	Upper
146	100		
111	45.8	22.9	68.8
148	64.2	32.0	96.2

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#76

1,4-Dichlorobenzene

Concen: 10.593 ppbv

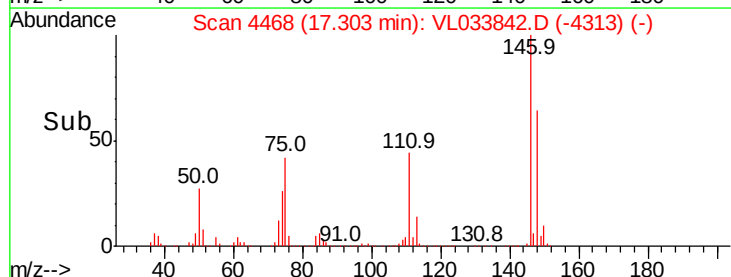
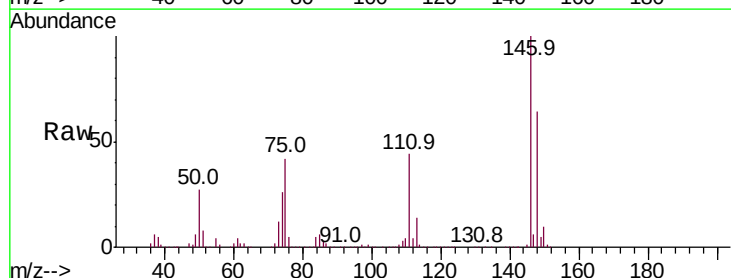
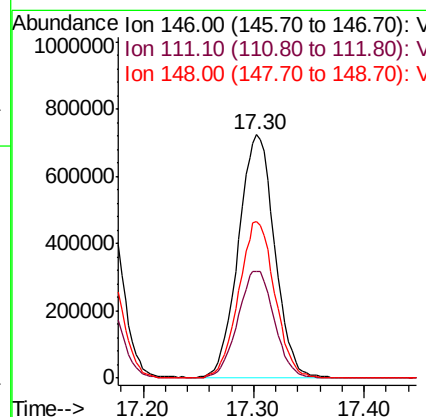
RT: 17.30 min Scan# 4468

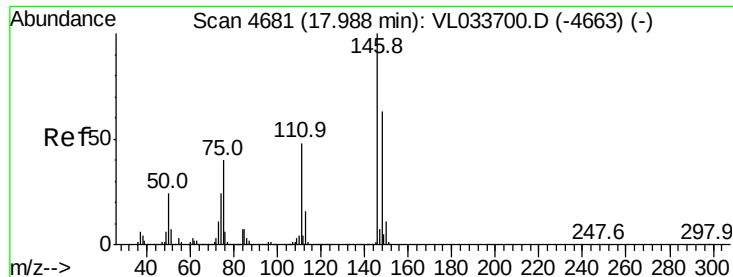
Delta R.T. -0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Tgt Ion:	146	Resp:	1639511
Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.9	65.8
148	64.3	32.1	96.3





#77

1,2-Dichlorobenzene

Concen: 10.566 ppbv

RT: 17.98 min Scan# 4679

Delta R.T. -0.01 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Instrument :

MSVOA_L

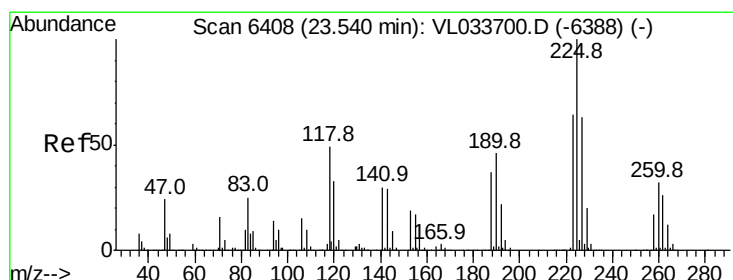
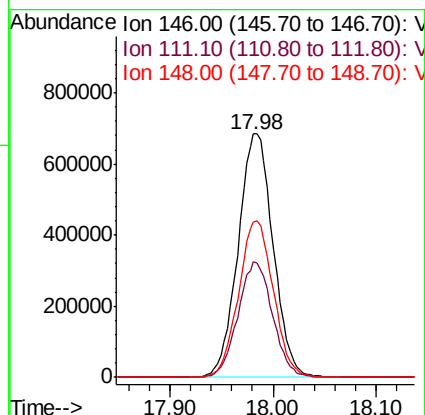
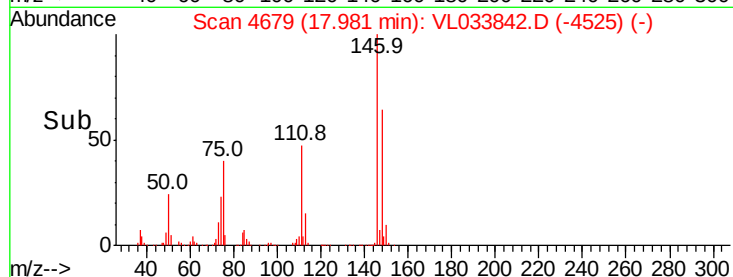
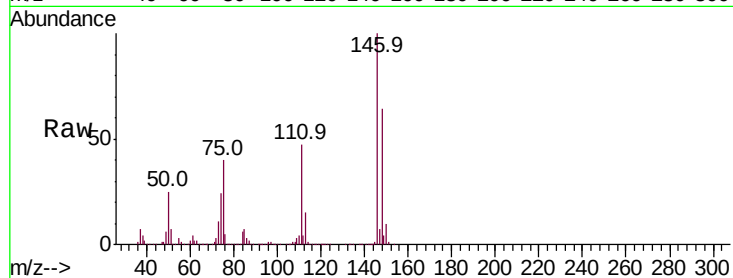
ClientSampleId :

VL0529ABS01

Tot Ion:	146	Resp:	1616818
Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.5	70.5
148	63.9	32.1	96.3

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#78

Hexachloro-1,3-Butadiene

Concen: 8.036 ppbv

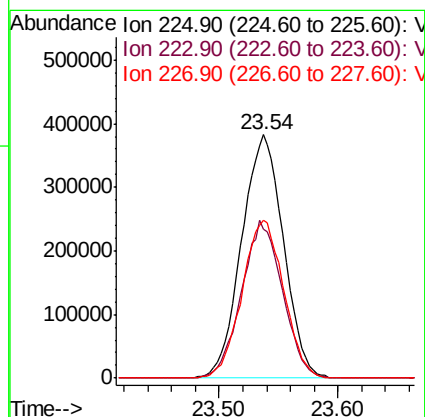
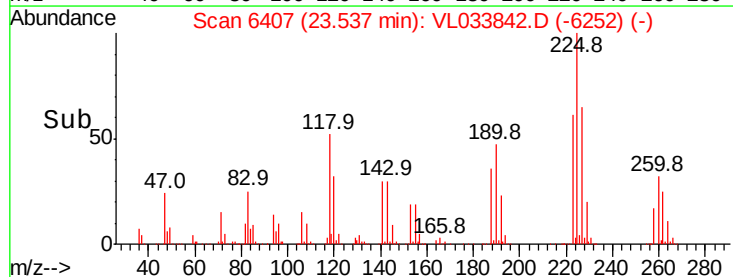
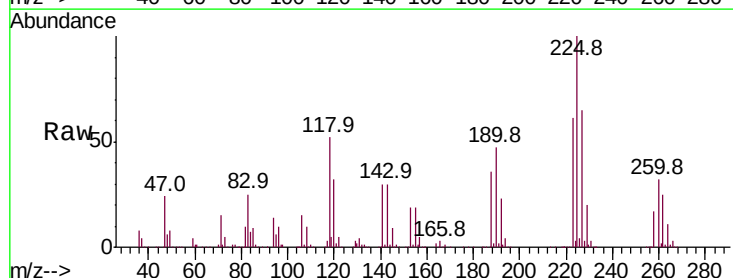
RT: 23.54 min Scan# 6407

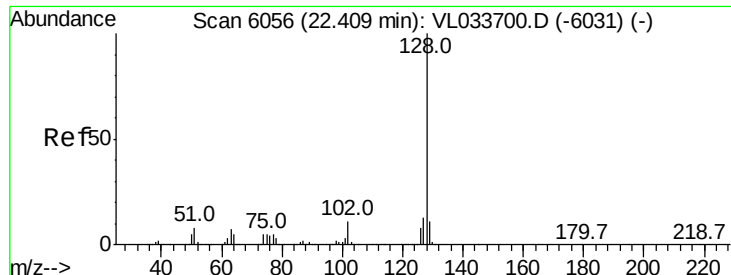
Delta R.T. -0.00 min

Lab File: VL033842.D

Acq: 29 May 2019 18:50

Tgt Ion:	225	Resp:	929650
Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.2	75.4
227	64.7	50.7	76.1





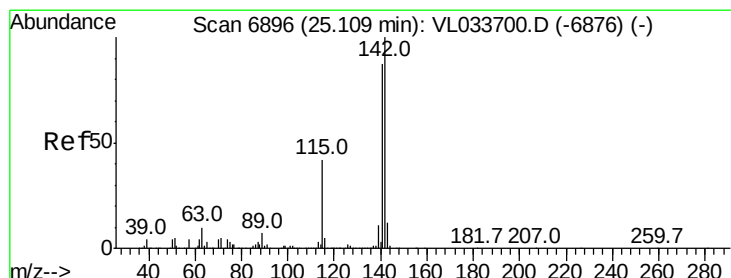
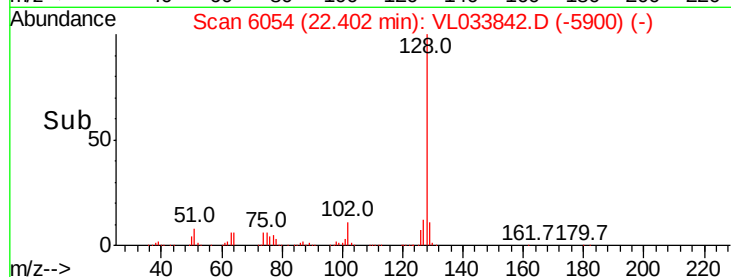
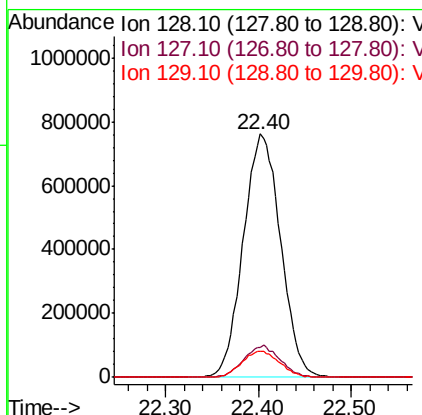
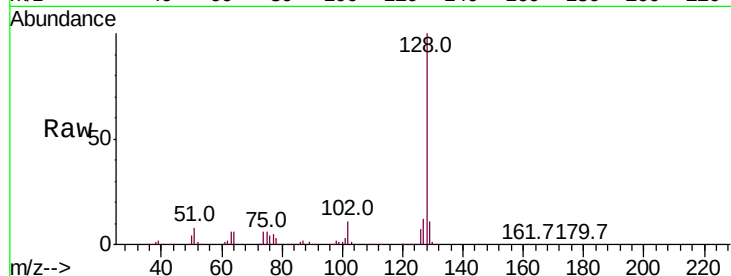
#79
Naphthalene
Concen: 8.617 ppbv
RT: 22.40 min Scan# 6054
Delta R.T. -0.01 min
Lab File: VL033842.D
Acq: 29 May 2019 18:50

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.6	16.0
129	10.5	8.9	13.3

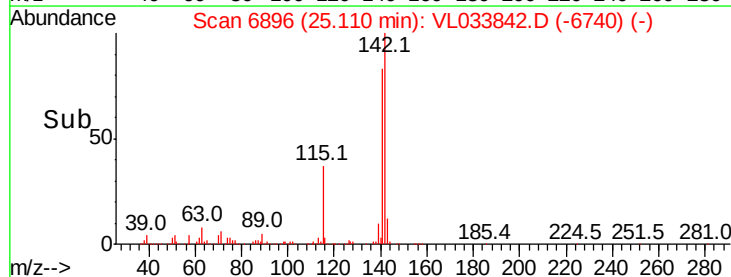
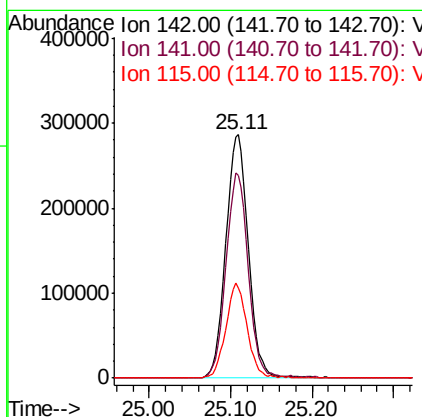
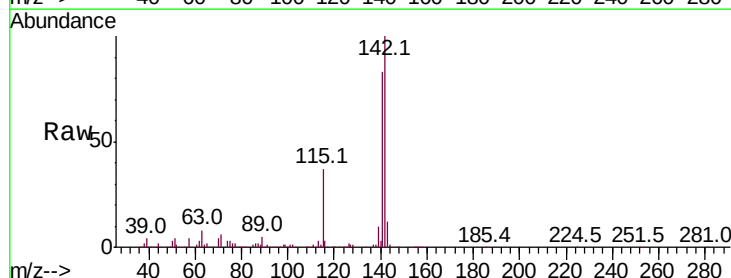
Manual Integrations
APPROVED

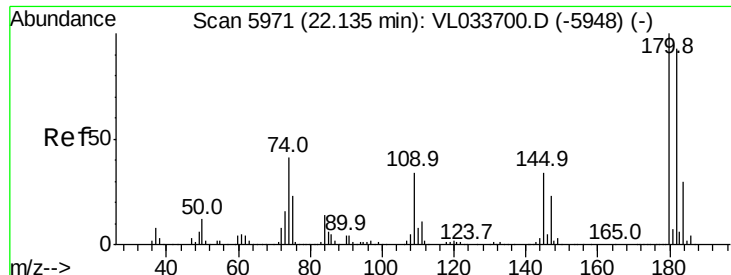
apatel
5/31/2019 12:45:12 PM



#80
Naphthalene, 2-methyl-
Concen: 5.996 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. 0.00 min
Lab File: VL033842.D
Acq: 29 May 2019 18:50

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.8	67.2	100.8
115	36.9	34.1	51.1





#81
 1,2,4-Trichlorobenzene
 Concen: 8.677 ppbv
 RT: 22.13 min Scan# 5969
 Delta R.T. -0.01 min
 Lab File: VL033842.D
 Acq: 29 May 2019 18:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0529ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.1	114.1
184	30.4	24.6	37.0

Manual Integrations
 APPROVED

apatel
 5/31/2019 12:45:12 PM

