

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052819\
 Data File : VL033838.D
 Acq On : 29 May 2019 14:59
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

apatel
 5/30/2019 3:34:33 PM

Quant Time: May 30 02:04:38 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	804541	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2173217	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2221409m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1676315	9.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.07	85	1366466	8.059	ppbv 98
3) Chlorodifluoromethane	3.01	51	966878	10.492	ppbv 98
4) Chloromethane	3.17	50	592921	11.249	ppbv 100
5) Vinyl Chloride	3.29	62	580948	10.820	ppbv 99
6) Bromomethane	3.51	94	365676	11.162	ppbv 98
7) Chloroethane	3.60	64	210359	11.024	ppbv 96
8) Dichlorotetrafluoroethane	3.22	85	1447640	10.590	ppbv 97
9) Propene	3.03	41	460688	11.753	ppbv 99
10) Heptane	8.24	43	1155509	10.410	ppbv 100
11) Trichlorofluoromethane	4.00	101	1593448	9.847	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1084745	9.599	ppbv 97
13) Ethanol	3.65	45	96536	7.620	ppbv 99
14) Bromoethene	3.78	108	482073	11.604	ppbv 99
15) Acetone	3.90	43	1020624	9.143	ppbv 100
16) 1,3-Butadiene	3.36	39	509131	11.454	ppbv 100
17) tert-Butyl alcohol	4.35	59	1014197	11.236	ppbv 100
18) 1,1-Dichloroethene	4.35	96	495579	10.390	ppbv 97
19) Isopropyl Alcohol	4.02	45	765930	10.642	ppbv 100
20) Methylene Chloride	4.41	84	414143	9.636	ppbv 97
21) Allyl Chloride	4.47	41	717009	10.298	ppbv 98
22) trans-1,2-Dichloroethene	4.96	96	509694	10.425	ppbv 97
23) Vinyl Acetate	5.15	43	1657530	11.262	ppbv 99
24) 1,1-Dichloroethane	5.09	63	1163377	10.398	ppbv 99
25) Ethyl Acetate	5.77	43	1983371	10.115	ppbv 100
26) Hexane	5.78	57	891344	10.574	ppbv 98
27) Carbon Disulfide	4.62	76	1196805	10.348	ppbv 99
28) Methyl tert-Butyl Ether	5.11	73	1574407	11.456	ppbv 100
29) Chloroform	5.85	83	1523086	9.809	ppbv 99
30) Cyclohexane	7.24	84	823480	11.619	ppbv 97
31) cis-1,2-Dichloroethene	5.64	61	901968	10.791	ppbv 95
32) 1,1,1-Trichloroethane	6.62	97	1611705	10.395	ppbv 99
34) 2-Butanone	5.33	43	1315846	9.768	ppbv 98
35) Carbon Tetrachloride	7.13	117	1673634	9.614	ppbv 99
36) Benzene	7.00	78	2043216	10.336	ppbv 98
37) 1,2-Dichloroethane	6.41	62	1125354	8.825	ppbv 98
38) Trichloroethene	7.96	130	769259	10.487	ppbv 99
39) 1,2-Dichloropropane	7.73	63	717280	9.732	ppbv 95
40) 1,4-Dioxane	7.95	88	300516	9.747	ppbv # 93
41) Tetrahydrofuran	6.14	42	774704	10.264	ppbv 98
42) Bromodichloromethane	7.91	83	1652586	9.466	ppbv 97
43) Methyl Methacrylate	8.13	69	751012	10.323	ppbv 98

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Manual Integrations
 APPROVED

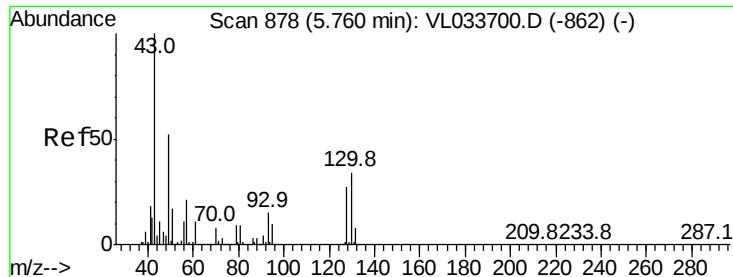
apatel
 5/30/2019 3:34:33 PM

Quant Time: May 30 02:04:38 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
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.98	57	3099303	9.276	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	1059910	11.492	ppbv	98
46) cis-1,3-Dichloropropene	8.83	75	1133592	10.497	ppbv	95
47) 1,1,2-Trichloroethane	9.61	97	806685	9.634	ppbv	98
48) Dibromochloromethane	10.44	129	1395031	9.616	ppbv	99
49) Bromoform	13.20	173	1324443	10.850	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1958235	9.451	ppbv	99
51) 2-Hexanone	10.26	43	1645325	10.175	ppbv #	99
52) Tetrachloroethene	11.37	164	755000	10.865	ppbv	95
53) Toluene	9.94	91	2244445	10.526	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1262112	9.877	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.27	131	974745	9.483	ppbv	97
57) Chlorobenzene	12.30	112	1735829	9.493	ppbv	97
58) Ethyl Benzene	12.86	91	3190282	10.845	ppbv	98
59) m/p-Xylene	13.15	91	5292285m	20.581	ppbv	
60) o-Xylene	13.84	91	2592282	10.000	ppbv	98
61) Styrene	13.68	104	2009487	11.514	ppbv	98
62) Isopropylbenzene	14.82	105	3549095	10.166	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.83	83	1818178	9.645	ppbv	100
64) n-propylbenzene	15.72	120	921189	10.201	ppbv	100
65) tert-Butylbenzene	16.91	119	3111617	9.762	ppbv	99
66) Benzyl Chloride	17.15	91	1569184	10.337	ppbv	99
67) sec-Butylbenzene	17.45	105	4507385	10.104	ppbv	100
69) p-Isopropyltoluene	17.81	119	3768689	10.221	ppbv	99
70) n-Butylbenzene	18.71	91	3837582	9.705	ppbv	100
71) 2-Chlorotoluene	15.61	91	2795363	10.793	ppbv	99
72) 4-Ethyltoluene	15.99	105	3137054	10.584	ppbv	100
73) 1,3,5-Trimethylbenzene	16.15	105	2962235	10.243	ppbv	99
74) 1,2,4-Trimethylbenzene	16.92	105	2973916	9.449	ppbv	96
75) 1,3-Dichlorobenzene	17.16	146	1791067	9.287	ppbv	98
76) 1,4-Dichlorobenzene	17.30	146	1791130	9.772	ppbv	100
77) 1,2-Dichlorobenzene	17.98	146	1738737	9.595	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	1190791	8.691	ppbv	99
79) Naphthalene	22.40	128	2361764	8.079	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	919003	8.274	ppbv	99
81) 1,2,4-Trichlorobenzene	22.13	180	1379209	8.057	ppbv	100

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



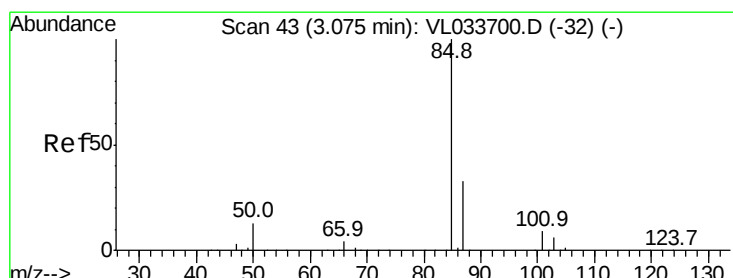
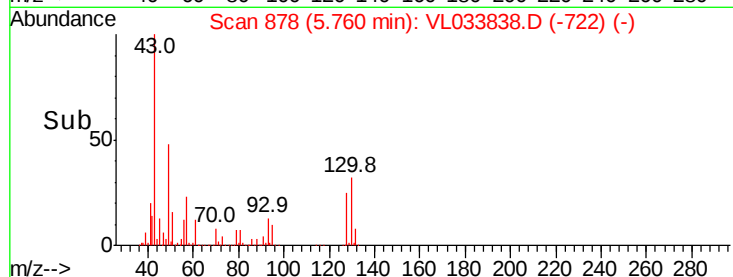
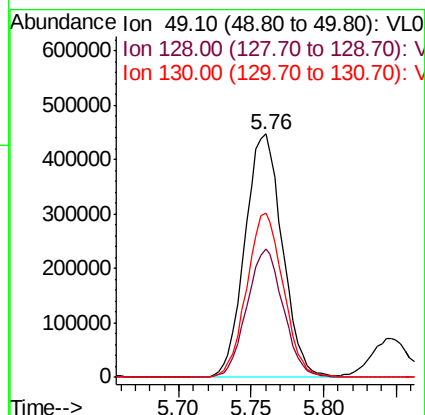
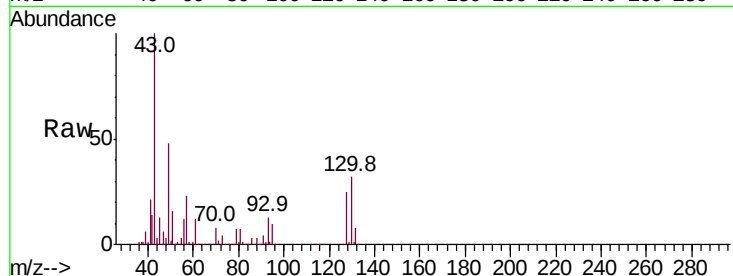
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Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. 0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
49	100		
128	51.4	25.2	75.6
130	66.2	32.5	97.5

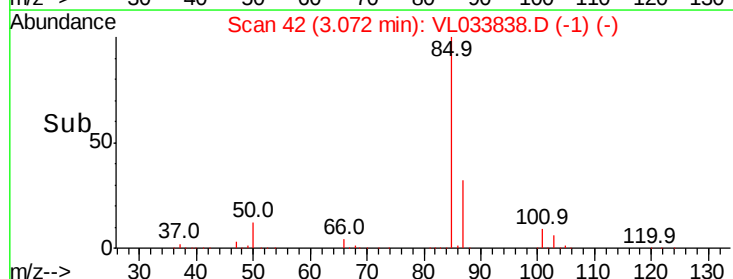
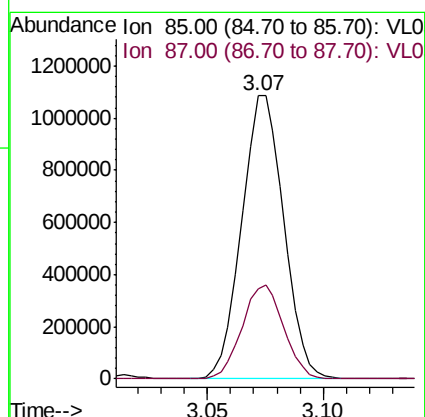
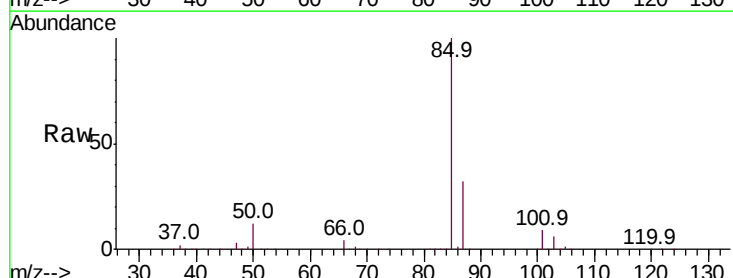
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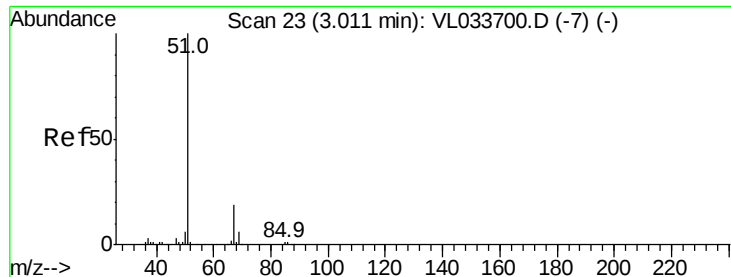
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#2
Dichlorodifluoromethane
Concen: 8.059 ppbv
RT: 3.07 min Scan# 42
Delta R.T. -0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.7	26.3	39.5





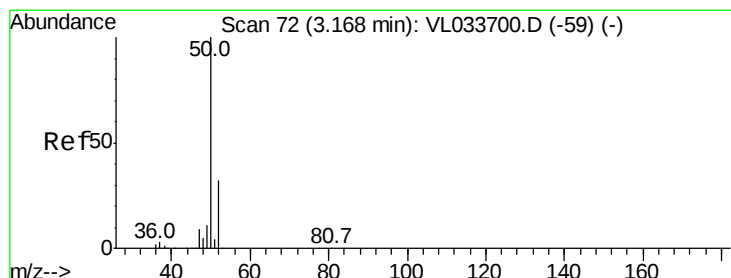
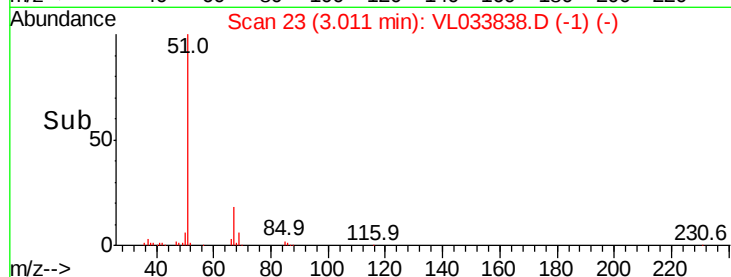
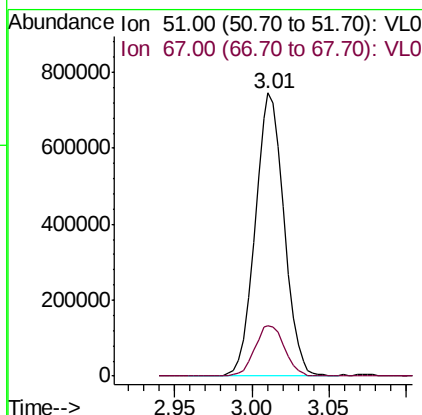
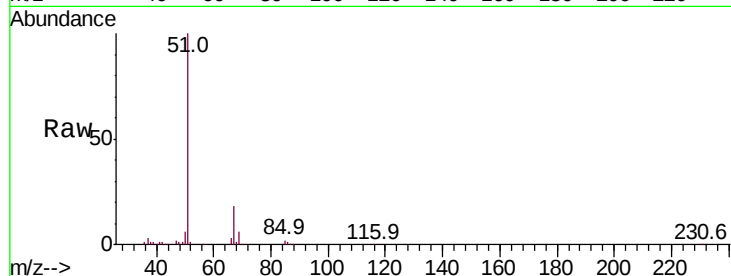
#3
 Chlorodifluoromethane
 Concen: 10.492 ppbv
 RT: 3.01 min Scan# 23
 Delta R.T. 0.00 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

Instrument :
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 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 51 Resp: 966878
 Ion Ratio Lower Upper
 51 100
 67 18.7 15.6 23.4

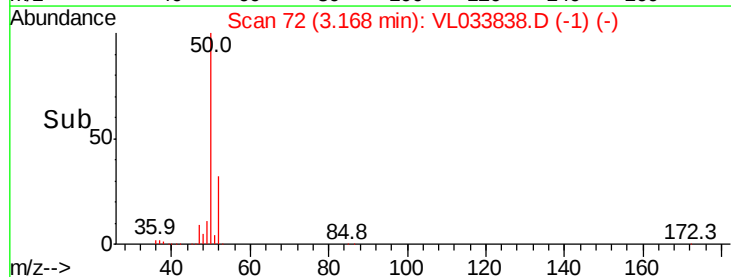
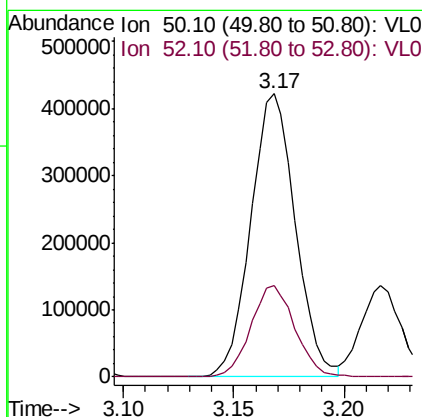
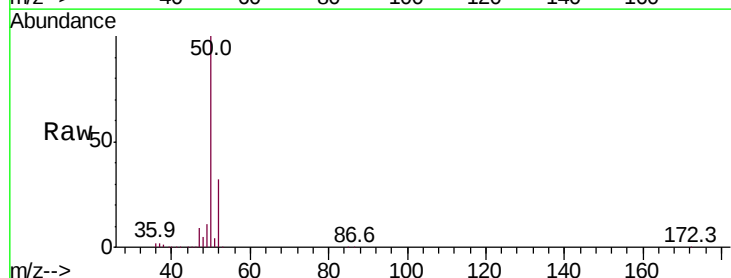
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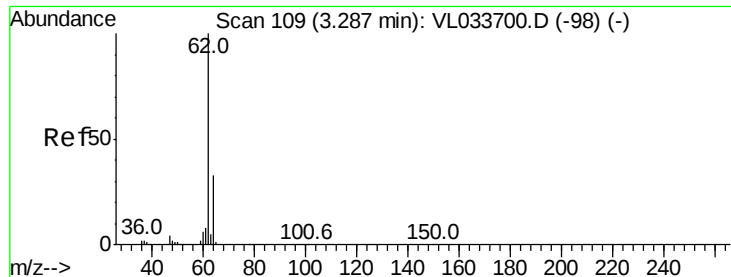
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#4
 Chloromethane
 Concen: 11.249 ppbv
 RT: 3.17 min Scan# 72
 Delta R.T. 0.00 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

Tgt Ion: 50 Resp: 592921
 Ion Ratio Lower Upper
 50 100
 52 32.3 25.7 38.5





#5

Vinyl Chloride

Concen: 10.820 ppbv

RT: 3.29 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 580948

Ion Ratio Lower Upper

62 100

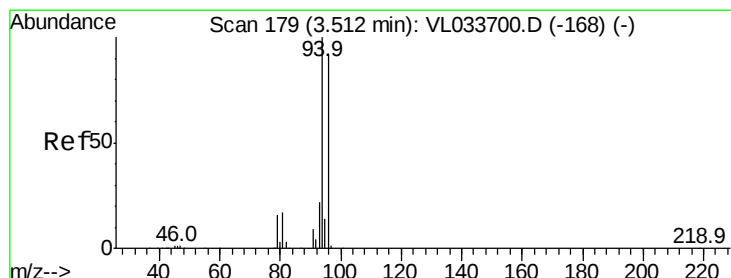
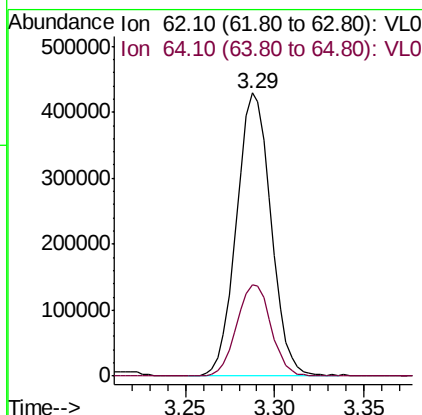
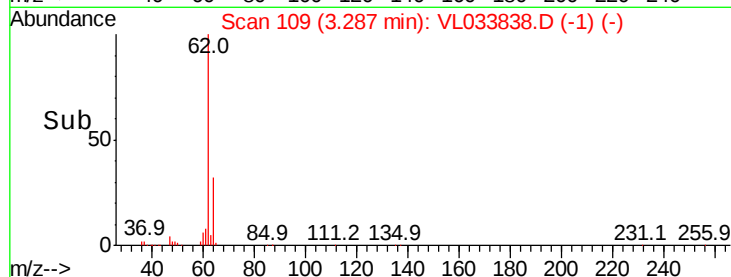
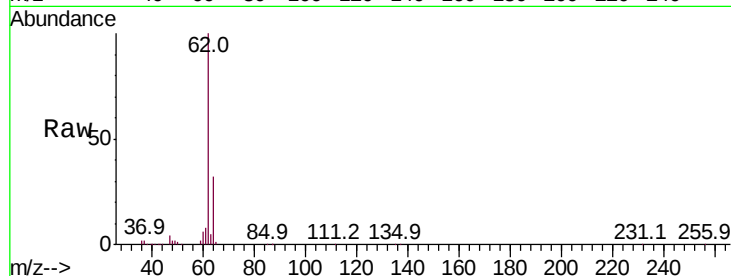
64 32.3 26.4 39.6

Manual Integrations

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#6

Bromomethane

Concen: 11.162 ppbv

RT: 3.51 min Scan# 179

Delta R.T. 0.00 min

Lab File: VL033838.D

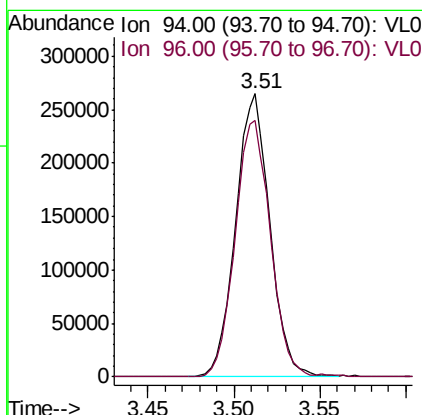
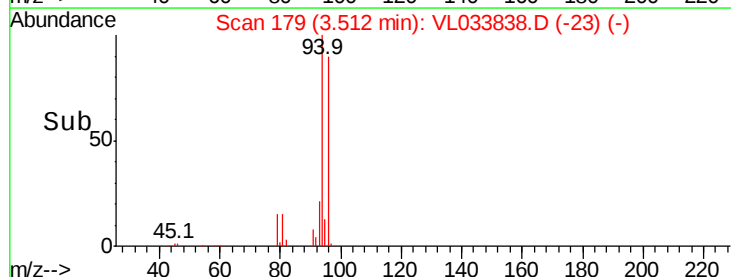
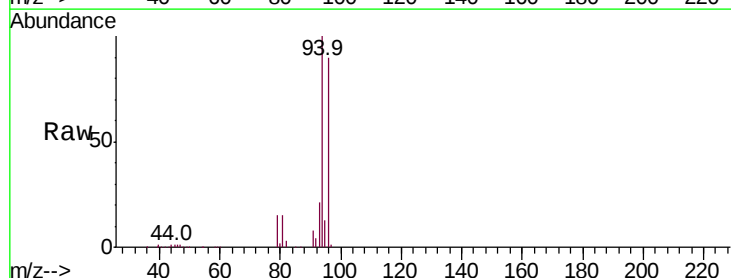
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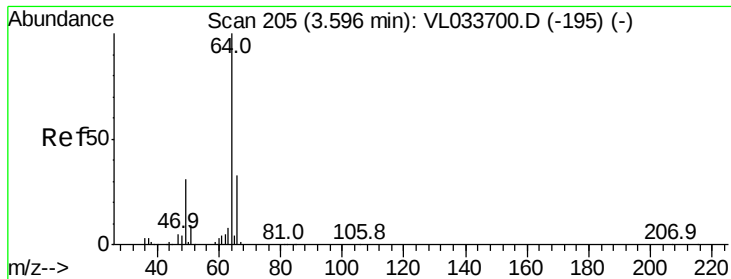
Tgt Ion: 94 Resp: 365676

Ion Ratio Lower Upper

94 100

96 90.3 73.6 110.4





#7

Chloroethane

Concen: 11.024 ppbv

RT: 3.60 min Scan# 205

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 210359

Ion Ratio Lower Upper

64 100

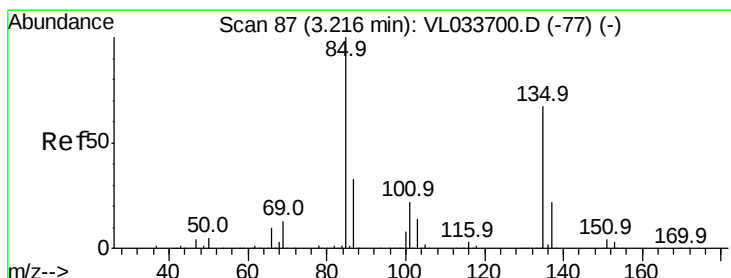
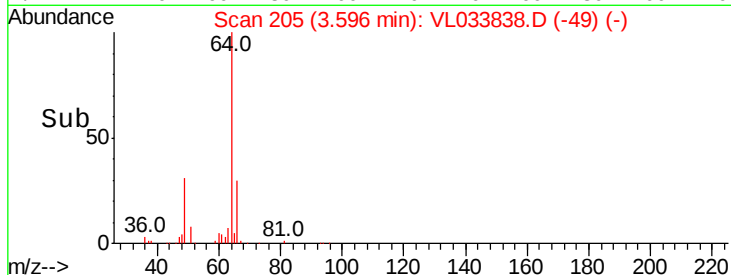
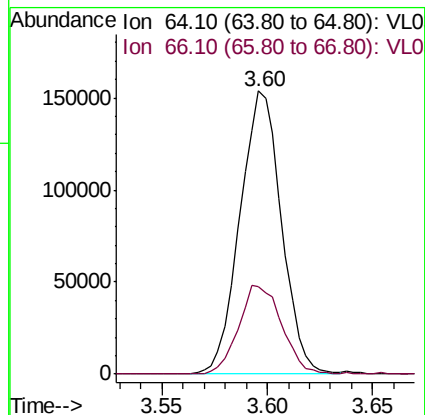
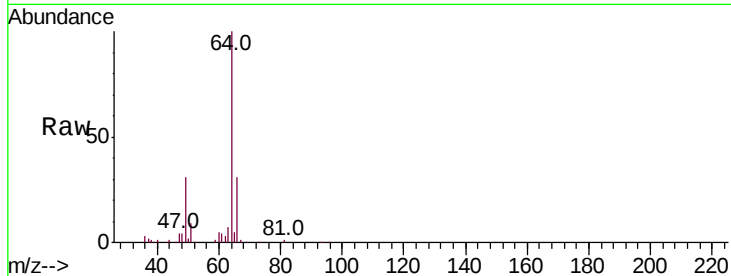
66 30.9 26.6 40.0

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 10.590 ppbv

RT: 3.22 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL033838.D

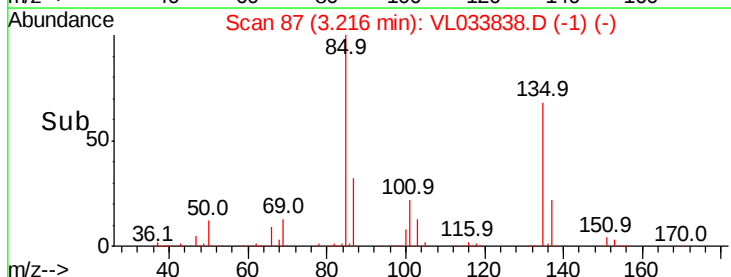
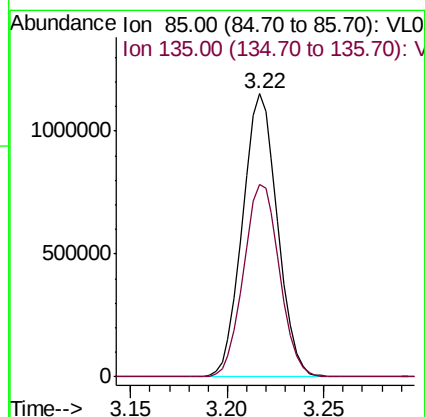
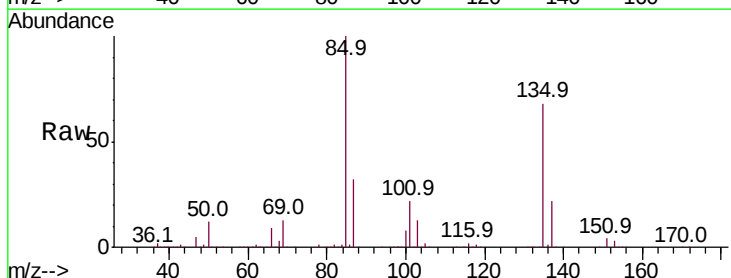
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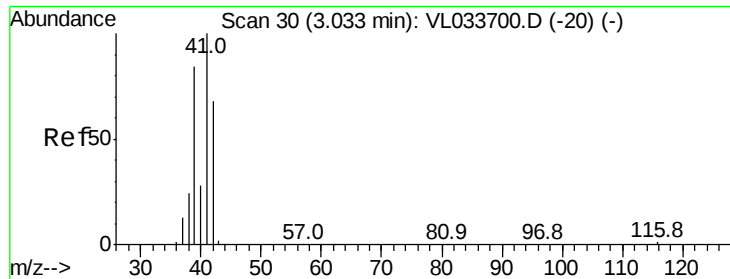
Tgt Ion: 85 Resp: 1447640

Ion Ratio Lower Upper

85 100

135 70.2 54.5 81.7





#9

Propene

Concen: 11.753 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

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ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 460688

Ion Ratio Lower Upper

41 100

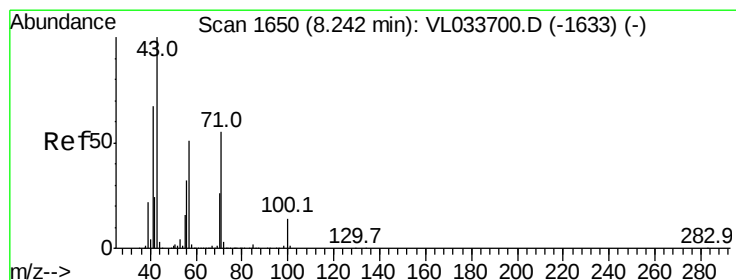
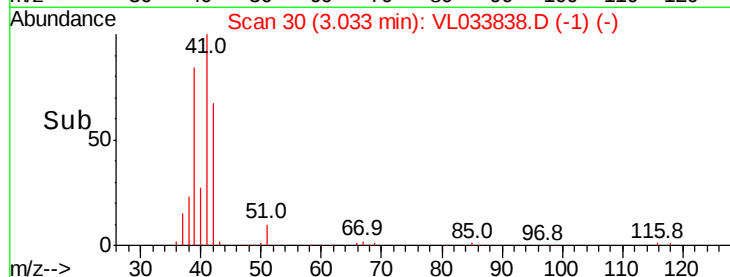
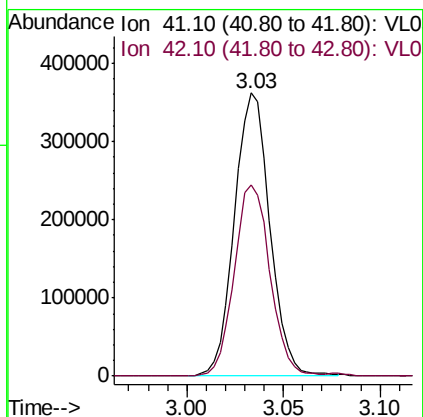
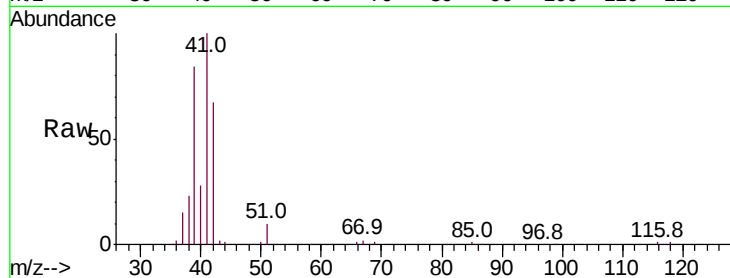
42 68.9 56.1 84.1

Manual Integrations

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#10

Heptane

Concen: 10.410 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VL033838.D

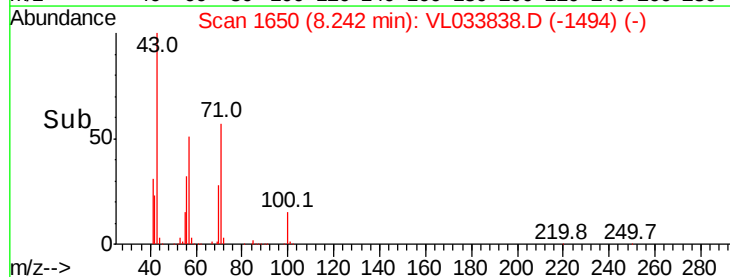
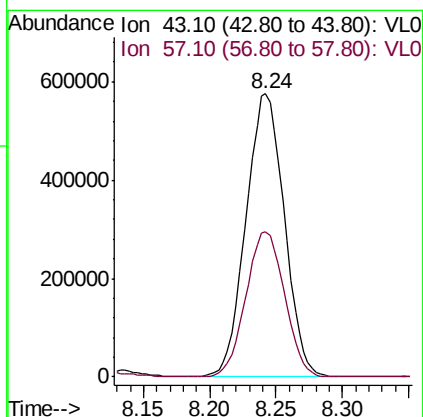
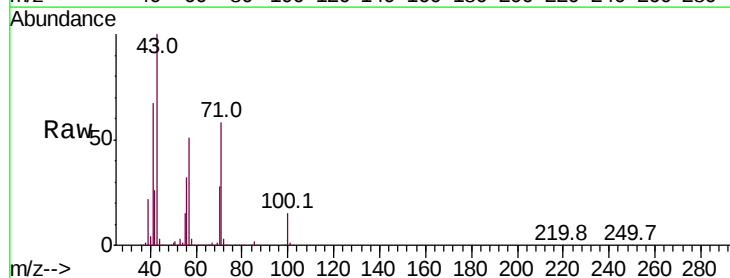
Acq: 29 May 2019 14:59

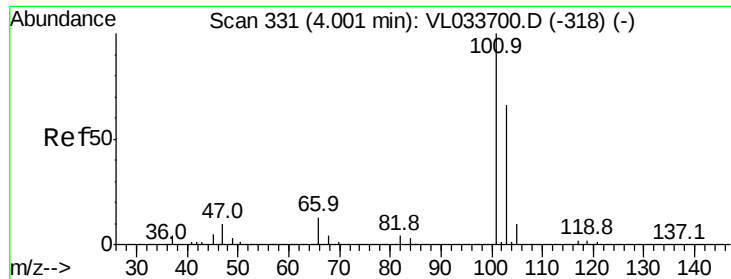
Tgt Ion: 43 Resp: 1155509

Ion Ratio Lower Upper

43 100

57 51.8 41.4 62.0





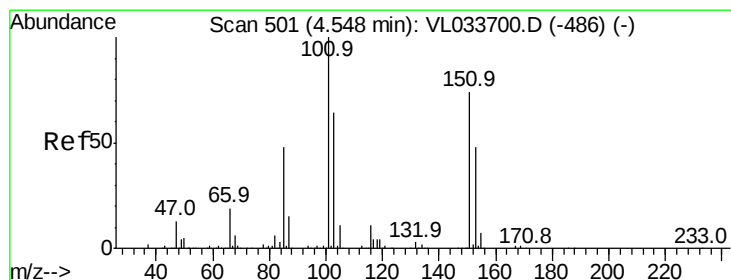
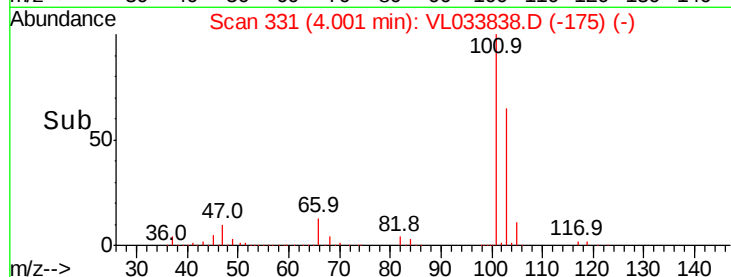
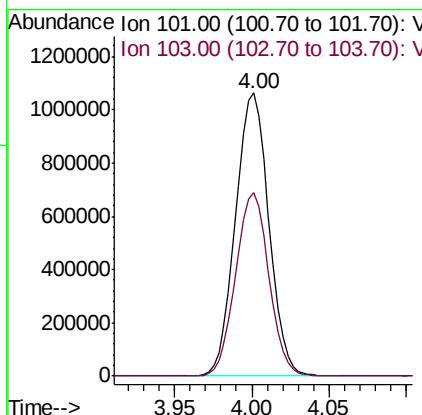
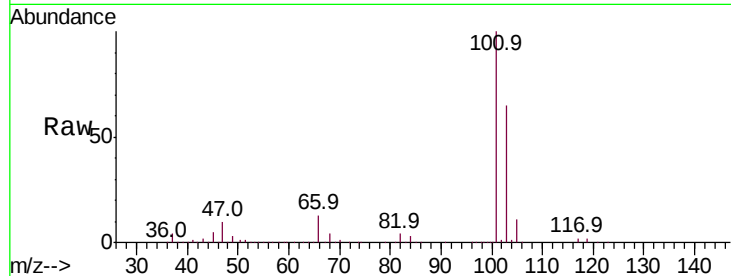
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 Trichlorofluoromethane
 Concen: 9.847 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. 0.00 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1593448
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.6 78.8

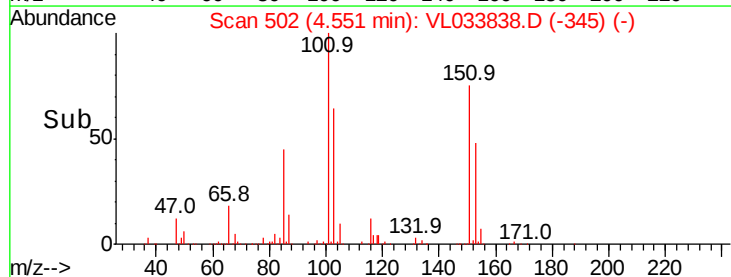
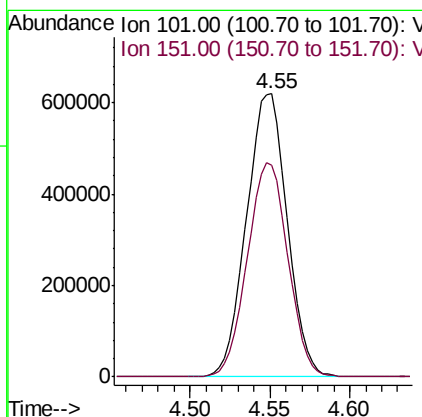
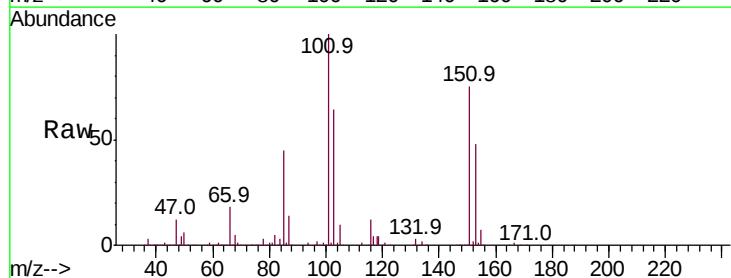
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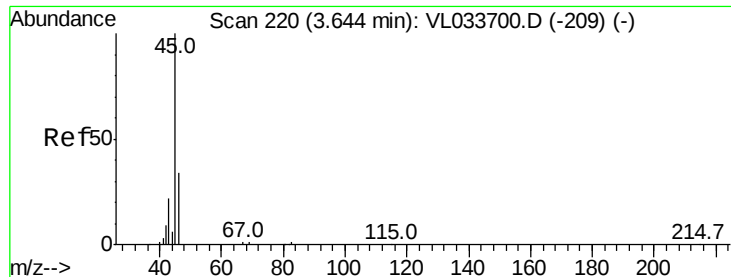
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.599 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

Tgt Ion:101 Resp: 1084745
 Ion Ratio Lower Upper
 101 100
 151 75.6 58.2 87.4





#13

Ethanol

Concen: 7.620 ppbv

RT: 3.65 min Scan# 221

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 96536

Ion Ratio Lower Upper

45 100

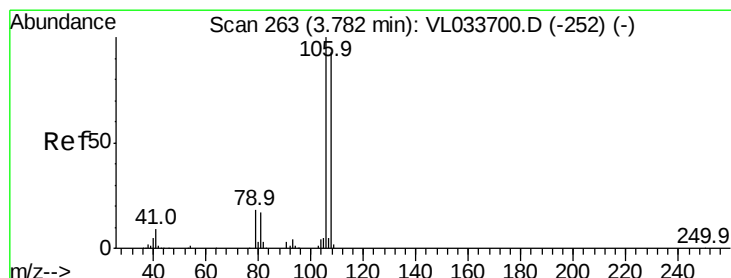
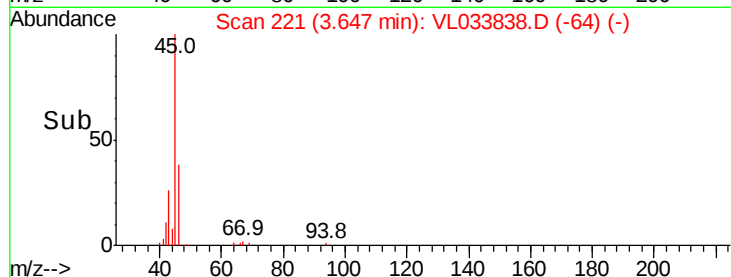
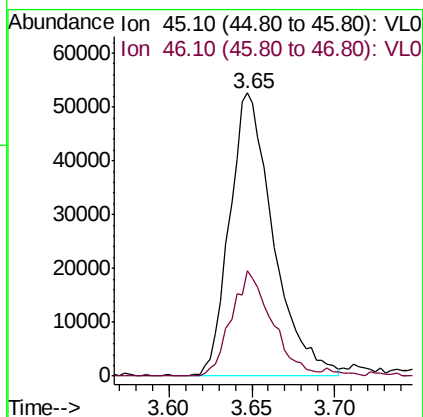
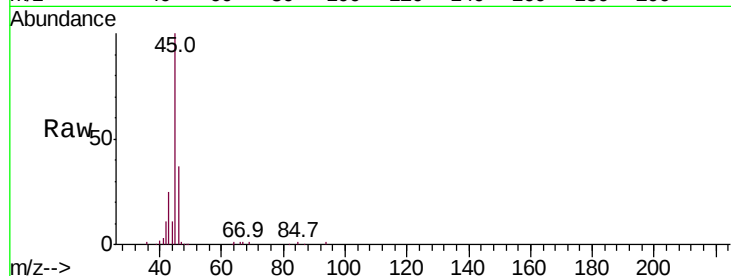
46 36.3 14.8 59.0

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#14

Bromoethene

Concen: 11.604 ppbv

RT: 3.78 min Scan# 263

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

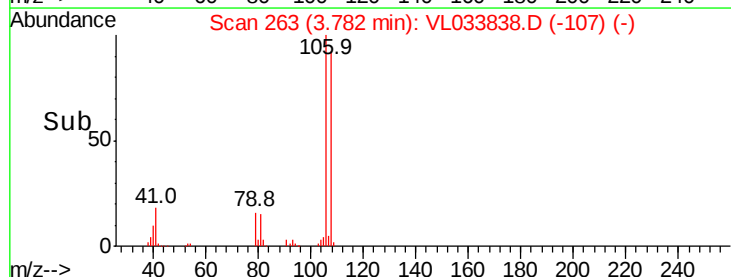
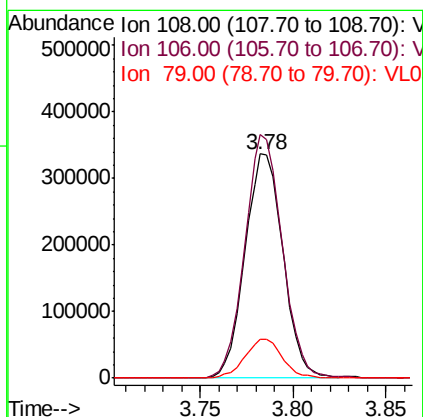
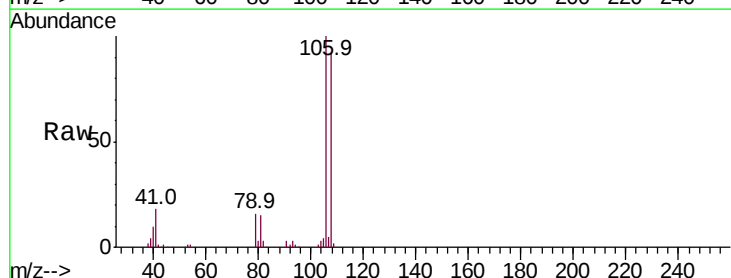
Tgt Ion: 108 Resp: 482073

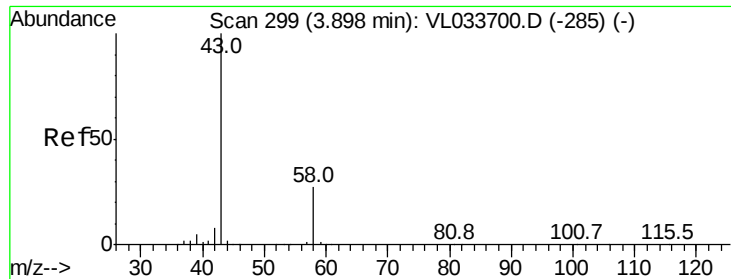
Ion Ratio Lower Upper

108 100

106 107.4 86.5 129.7

79 17.2 15.1 22.7





#15

Acetone

Concen: 9.143 ppbv

RT: 3.90 min Scan# 299

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1020624

Ion Ratio Lower Upper

43 100

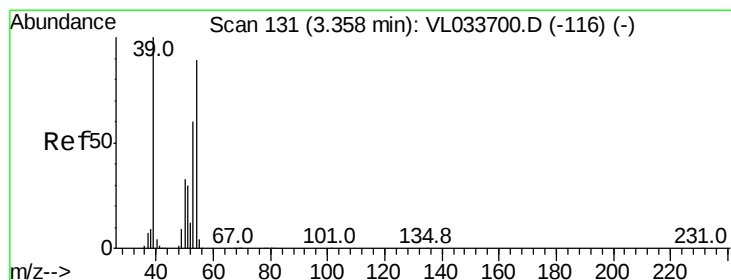
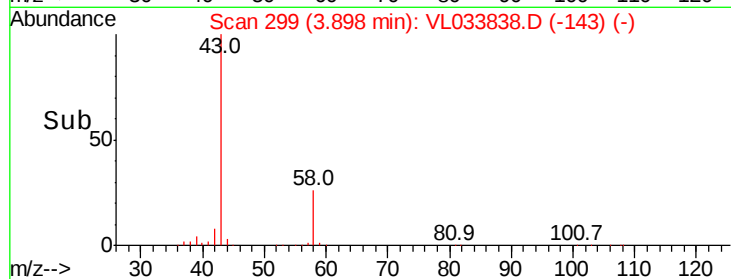
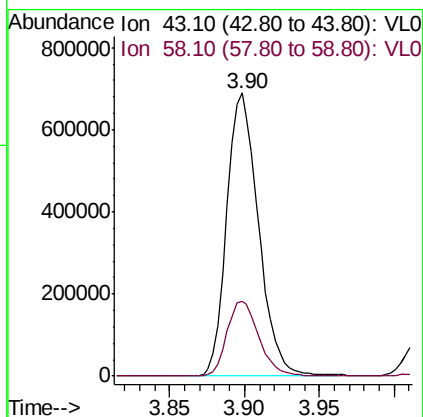
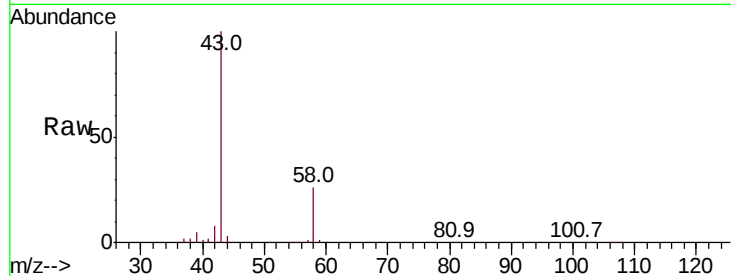
58 26.8 21.3 31.9

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#16

1,3-Butadiene

Concen: 11.454 ppbv

RT: 3.36 min Scan# 132

Delta R.T. 0.00 min

Lab File: VL033838.D

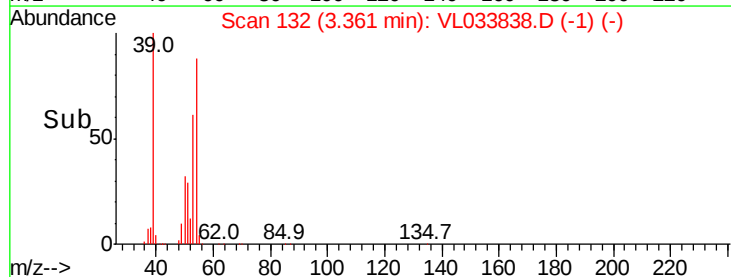
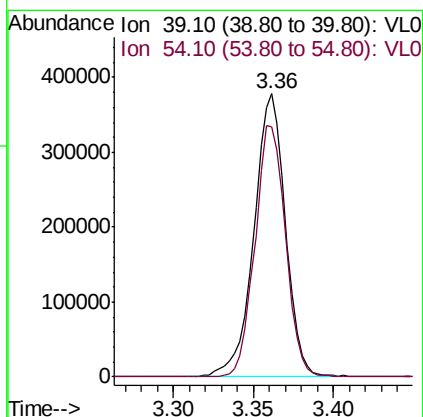
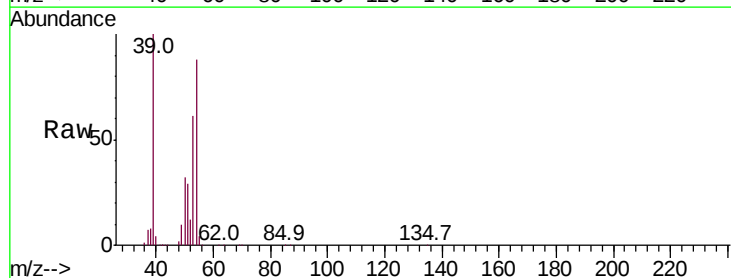
Acq: 29 May 2019 14:59

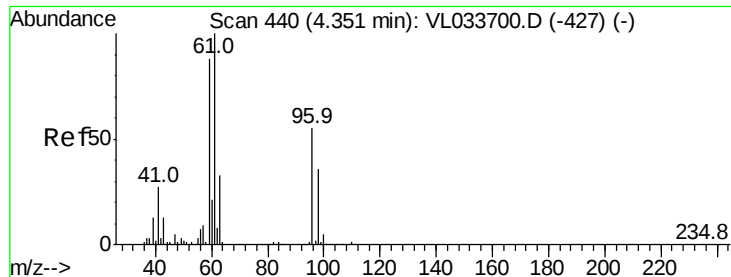
Tgt Ion: 39 Resp: 509131

Ion Ratio Lower Upper

39 100

54 86.5 69.0 103.6





#17

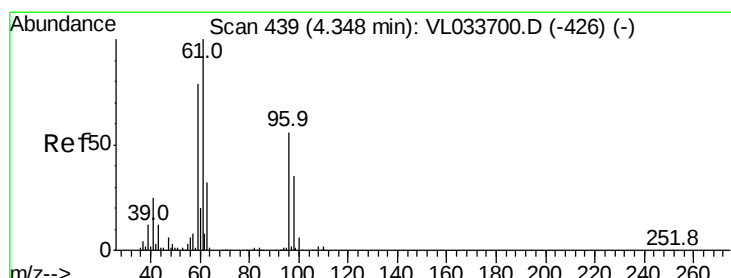
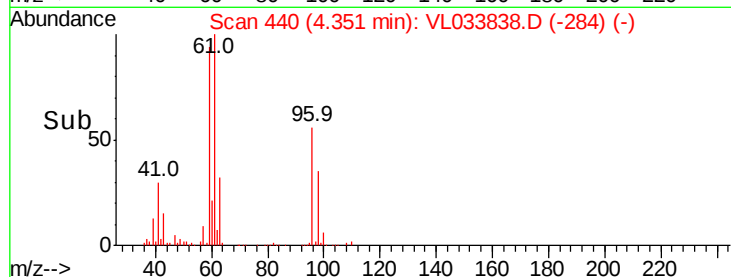
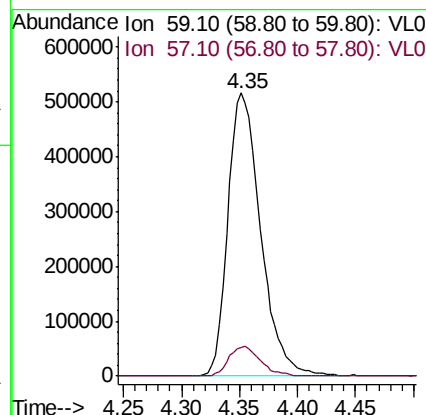
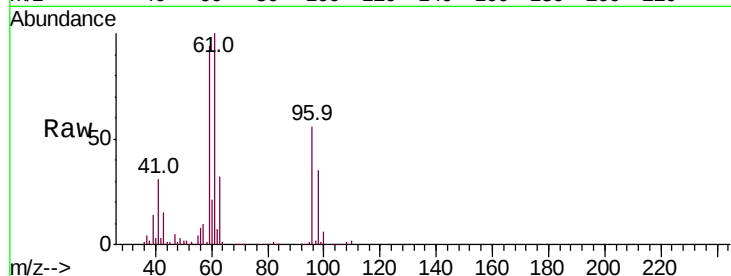
tert-Butyl alcohol
 Concen: 11.236 ppbv
 RT: 4.35 min Scan# 440
 Delta R.T. 0.00 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 59 Resp: 1014197
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.4 12.6

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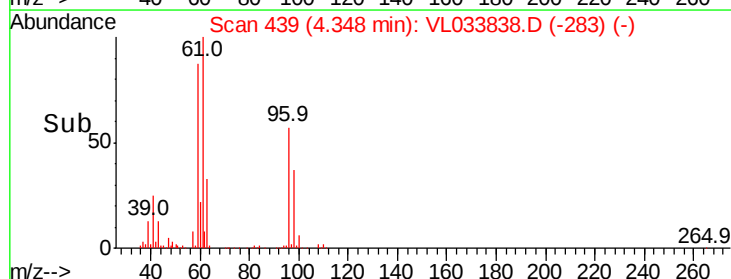
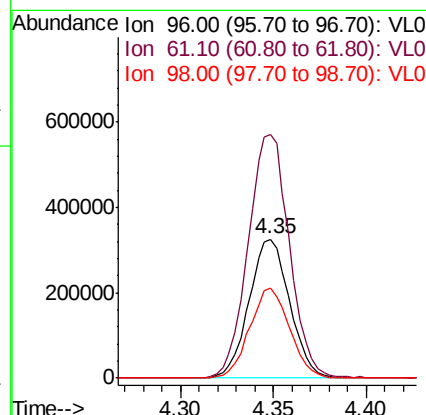
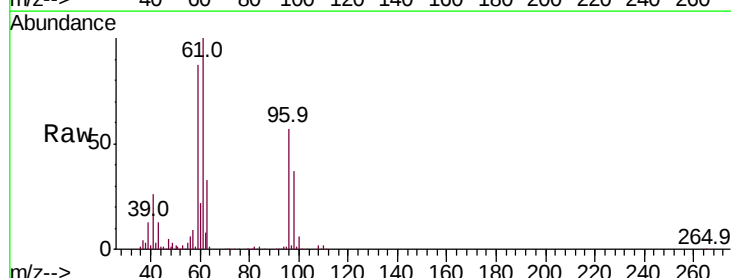
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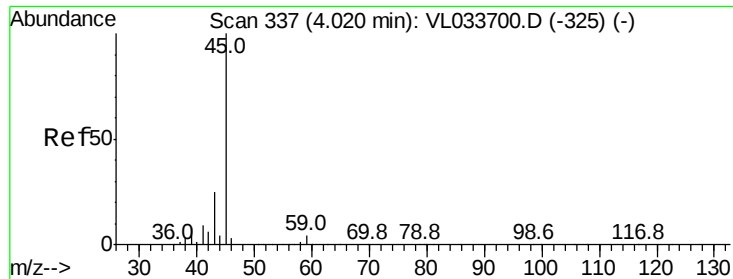


#18

1,1-Dichloroethene
 Concen: 10.390 ppbv
 RT: 4.35 min Scan# 439
 Delta R.T. 0.00 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

Tgt Ion: 96 Resp: 495579
 Ion Ratio Lower Upper
 96 100
 61 175.2 143.1 214.7
 98 64.8 49.5 74.3





#19

Isopropyl Alcohol

Concen: 10.642 ppbv

RT: 4.02 min Scan# 337

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 765930

Ion Ratio Lower Upper

45 100

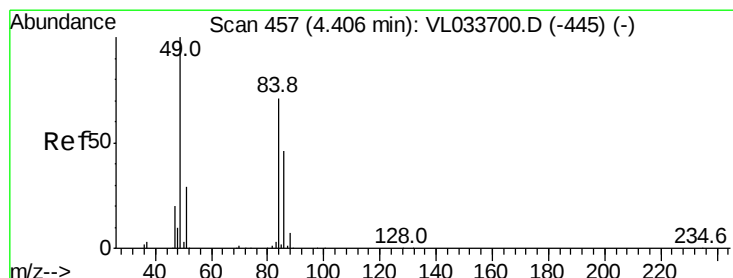
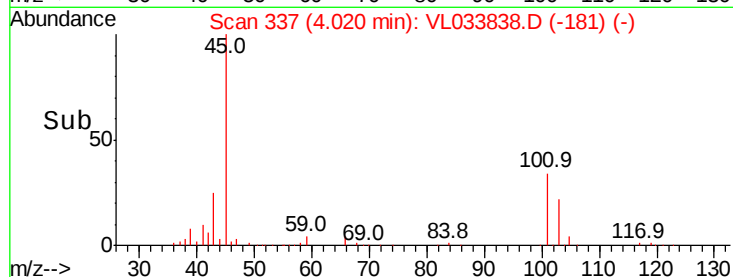
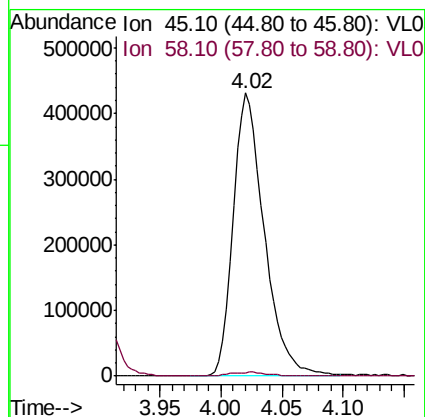
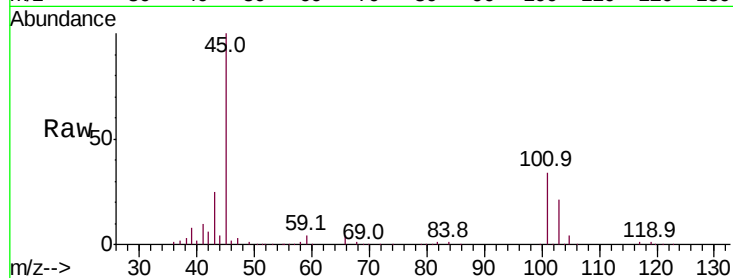
58 2.0 1.6 2.4

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#20

Methylene Chloride

Concen: 9.636 ppbv

RT: 4.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Tgt Ion: 84 Resp: 414143

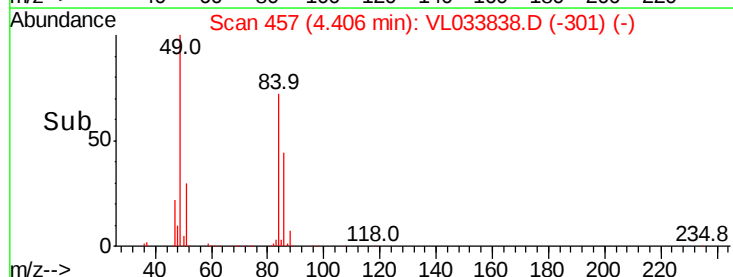
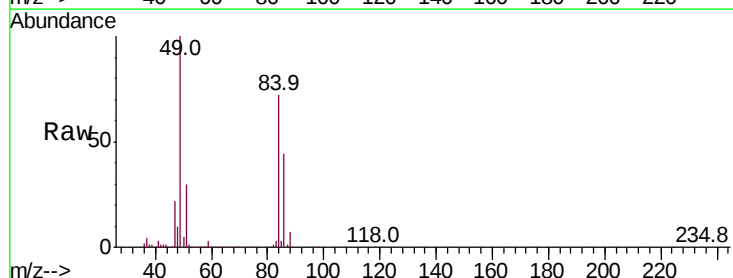
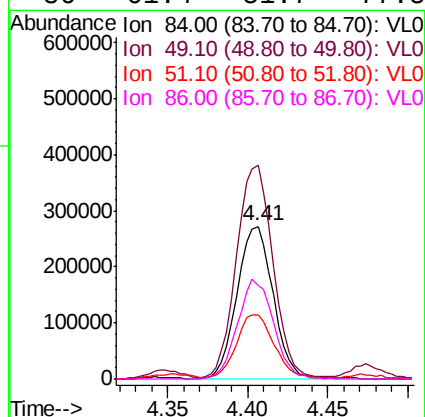
Ion Ratio Lower Upper

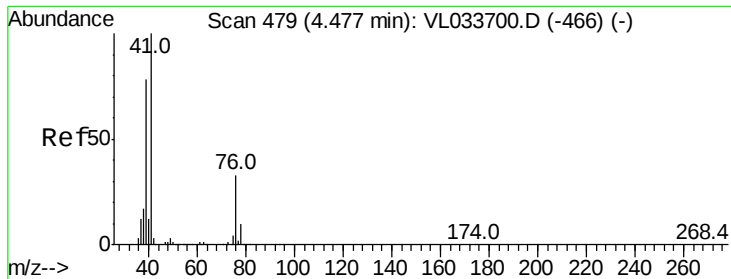
84 100

49 138.3 112.8 169.2

51 41.0 33.4 50.0

86 61.4 51.7 77.5





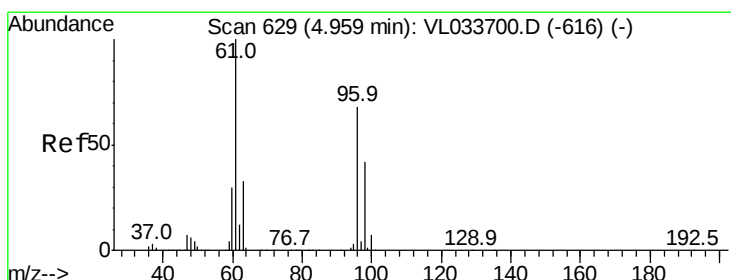
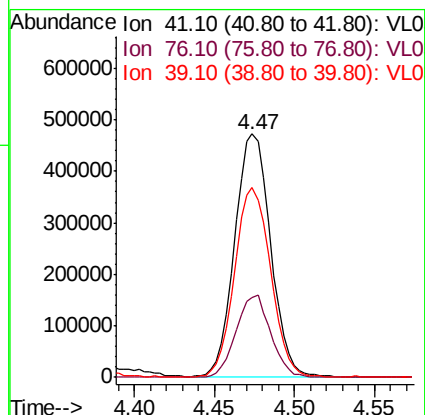
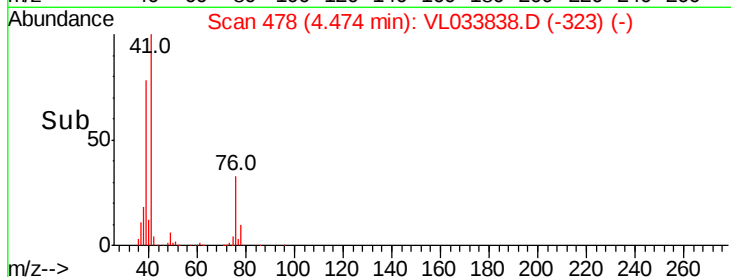
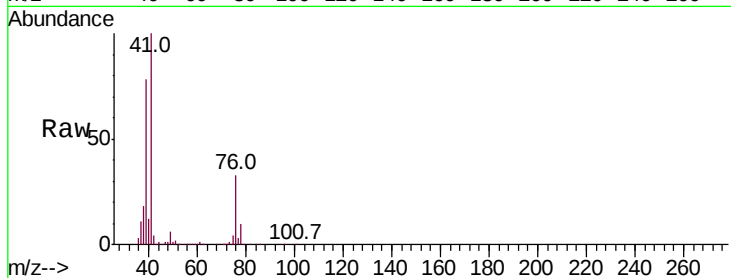
#21
Allvl Chloride
Concen: 10.298 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	32.7	25.9	38.9
39	78.8	64.6	97.0

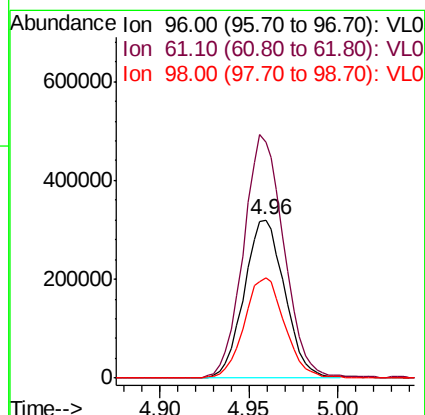
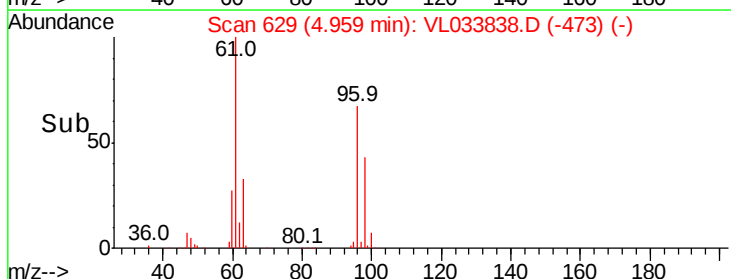
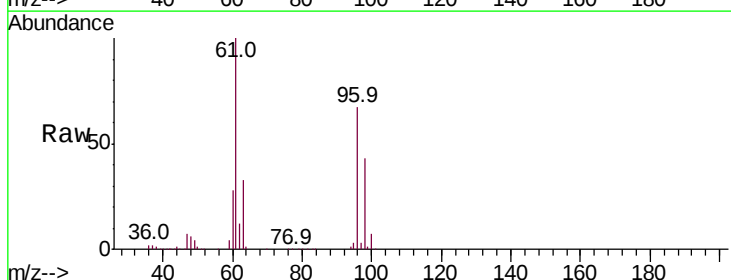
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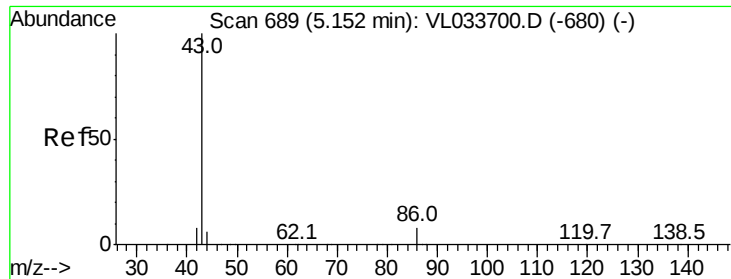
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#22
trans-1,2-Dichloroethene
Concen: 10.425 ppbv
RT: 4.96 min Scan# 629
Delta R.T. 0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.6	116.8	175.2
98	63.8	49.4	74.0





#23

Vinyl Acetate

Concen: 11.262 ppbv

RT: 5.15 min Scan# 689

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1657530

Ion Ratio Lower Upper

43 100

86 7.8 6.0 9.0

42 10.1 7.5 11.3

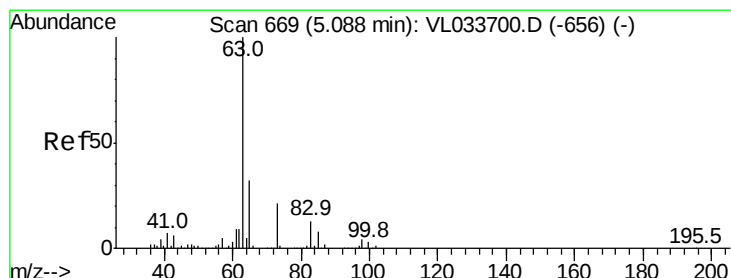
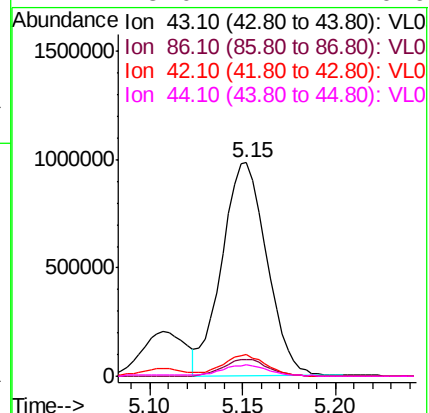
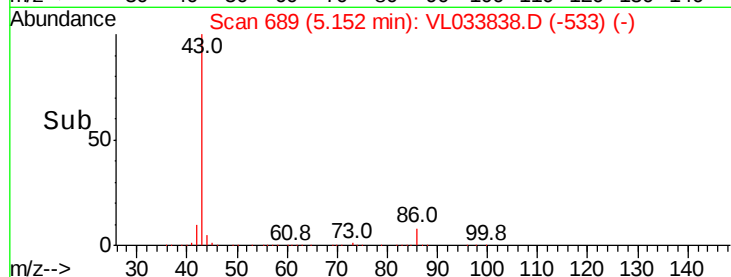
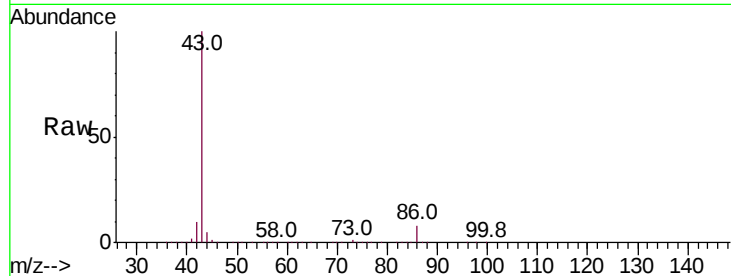
44 5.0 4.4 6.6

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#24

1,1-Dichloroethane

Concen: 10.398 ppbv

RT: 5.09 min Scan# 669

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

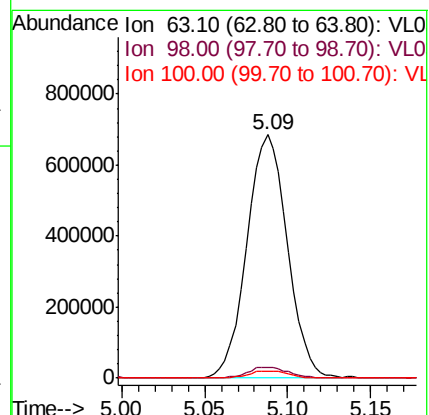
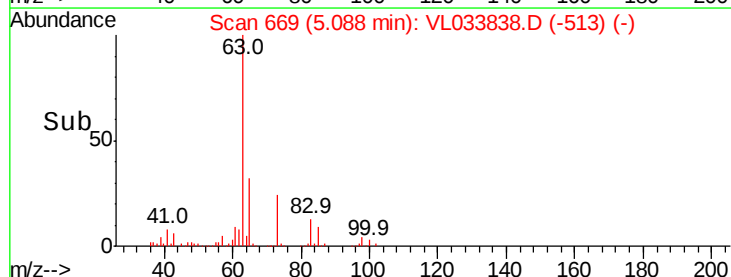
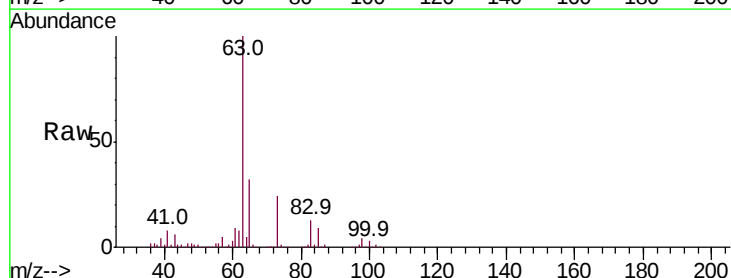
Tgt Ion: 63 Resp: 1163377

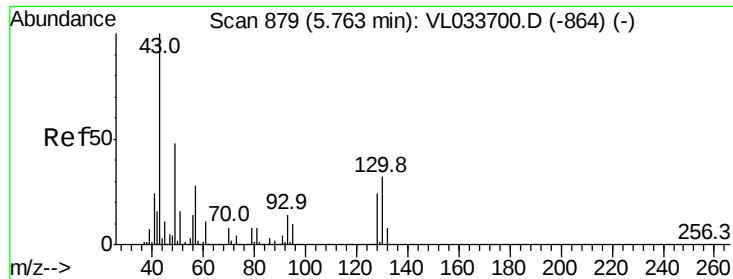
Ion Ratio Lower Upper

63 100

98 4.4 1.8 5.5

100 2.9 1.4 4.2





#25

Ethyl Acetate

Concen: 10.115 ppbv

RT: 5.77 min Scan# 880

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1983371

Ion Ratio Lower Upper

43 100

45 10.0 7.9 11.9

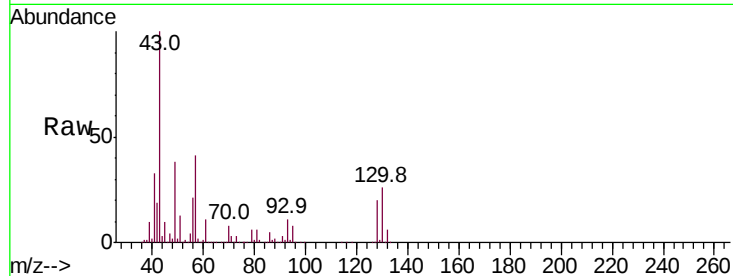
61 9.8 7.7 11.5

70 7.4 5.8 8.6

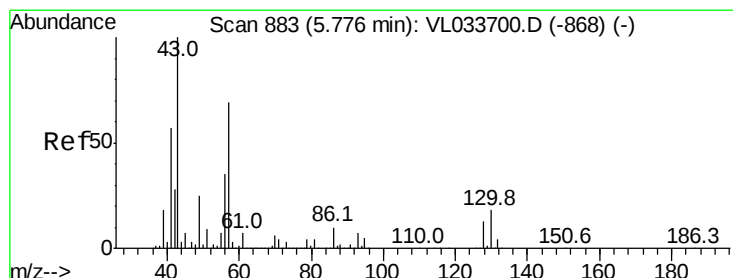
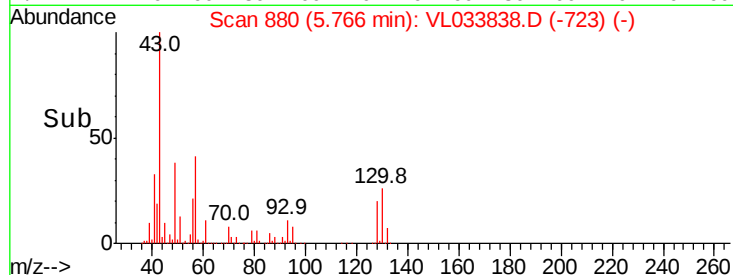
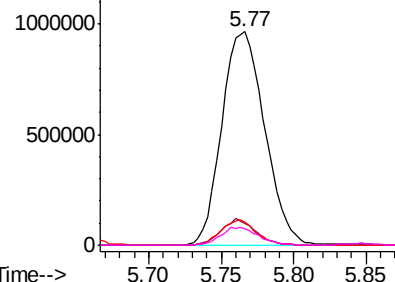
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Abundance Ion 43.10 (42.80 to 43.80): VL0
1500000
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 10.574 ppbv

RT: 5.78 min Scan# 883

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Tgt Ion: 57 Resp: 891344

Ion Ratio Lower Upper

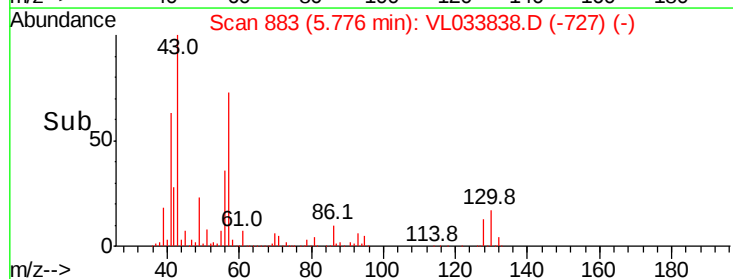
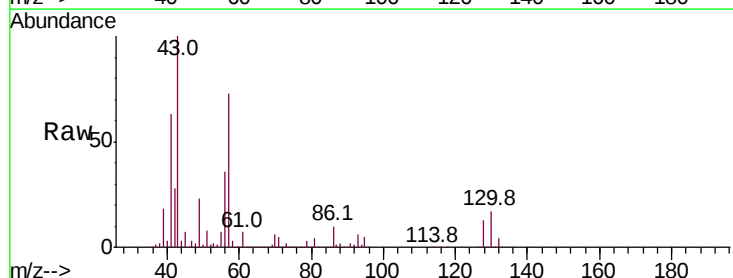
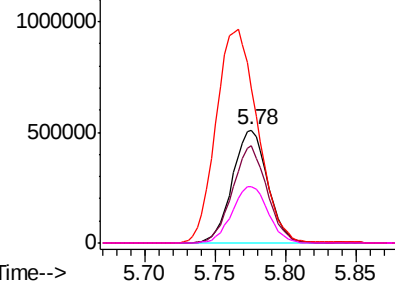
57 100

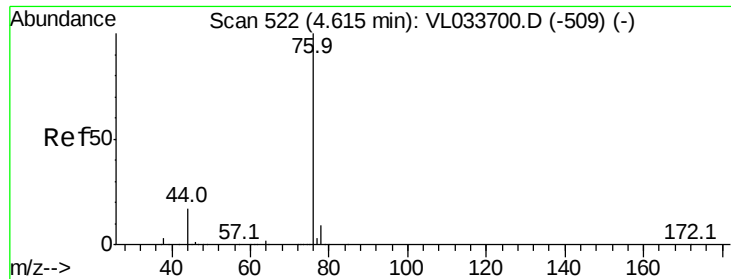
41 84.8 69.8 104.6

43 223.9 181.8 272.6

56 51.3 42.1 63.1

Abundance Ion 57.10 (56.80 to 57.80): VL0
1500000
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: 10.348 ppbv

RT: 4.62 min Scan# 522

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1196805

Ion Ratio Lower Upper

76 100

44 17.0 13.8 20.8

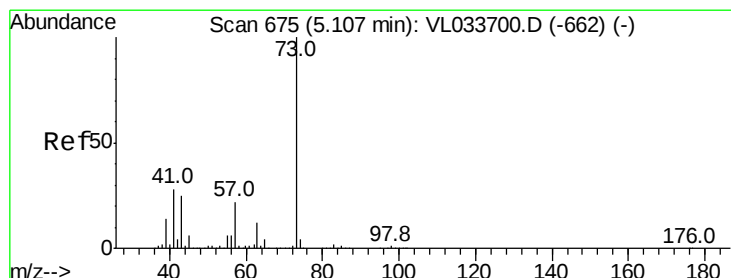
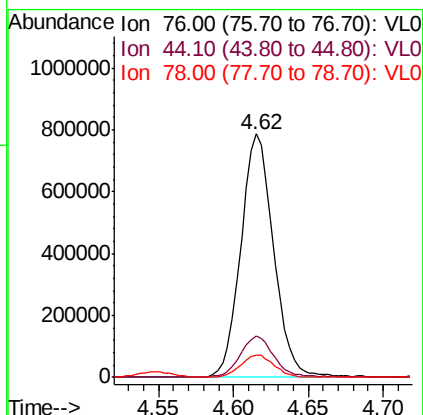
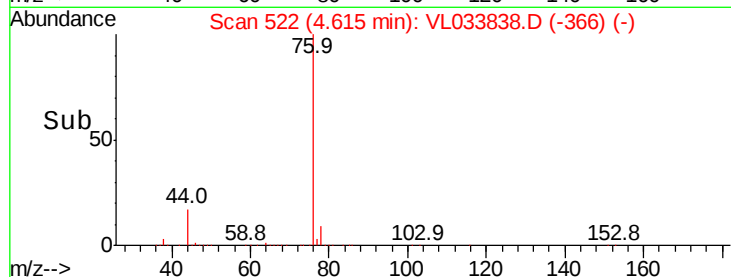
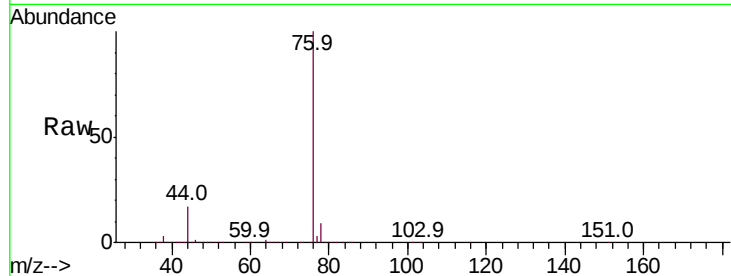
78 9.3 7.4 11.0

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#28

Methyl tert-Butyl Ether

Concen: 11.456 ppbv

RT: 5.11 min Scan# 675

Delta R.T. 0.00 min

Lab File: VL033838.D

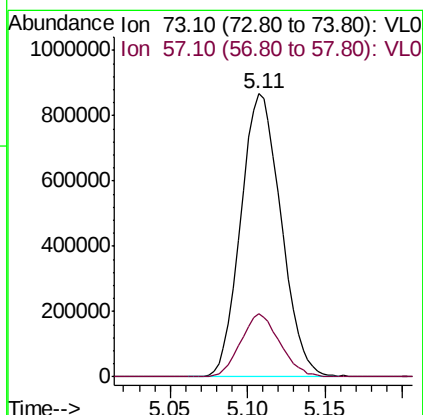
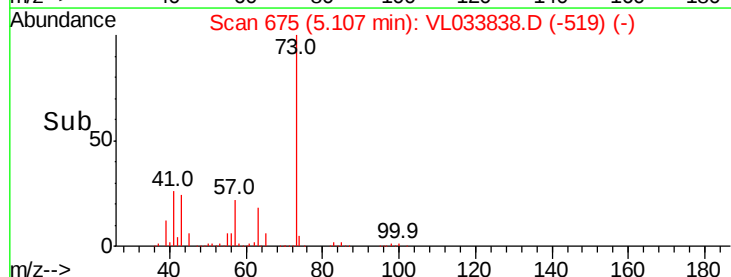
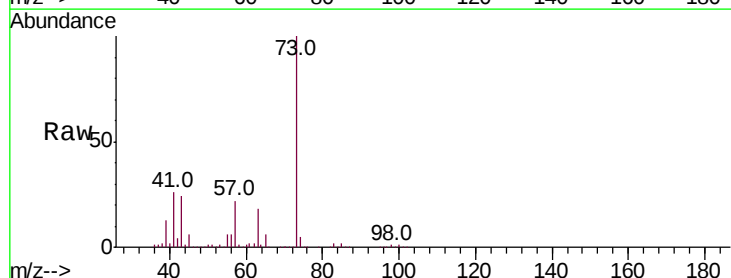
Acq: 29 May 2019 14:59

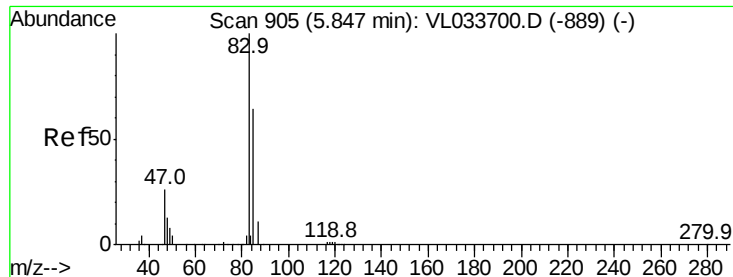
Tgt Ion: 73 Resp: 1574407

Ion Ratio Lower Upper

73 100

57 21.7 17.4 26.2





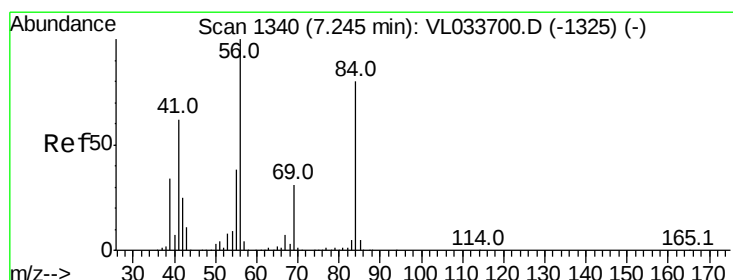
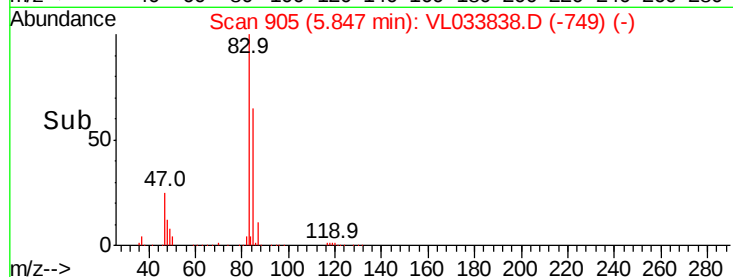
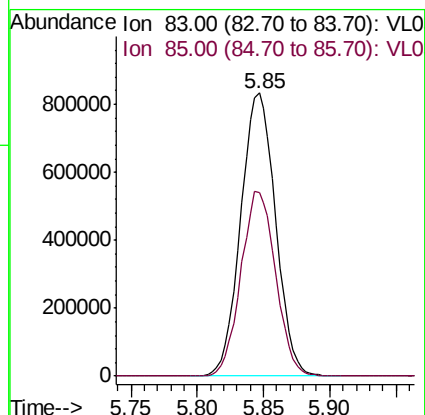
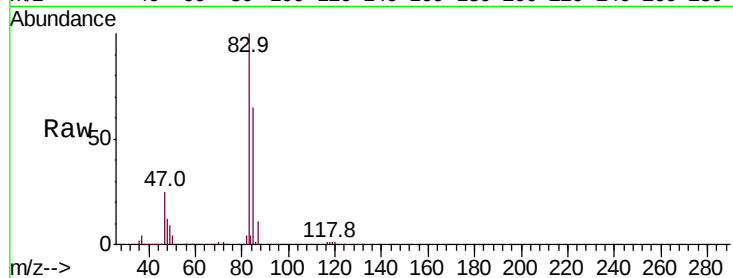
#29
Chloroform
Concen: 9.809 ppbv
RT: 5.85 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1523086
Ion Ratio Lower Upper
83 100
85 64.8 51.5 77.3

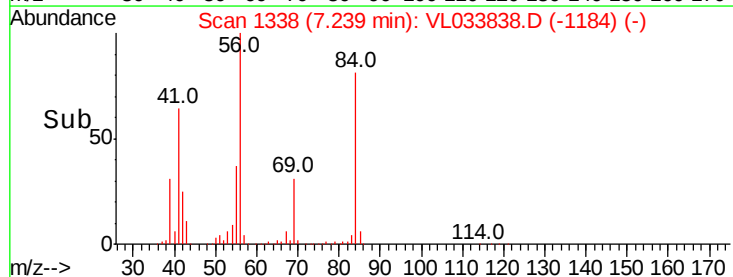
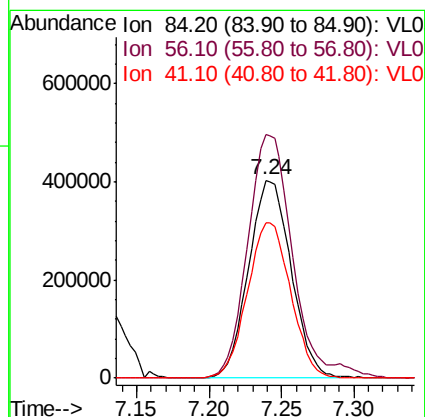
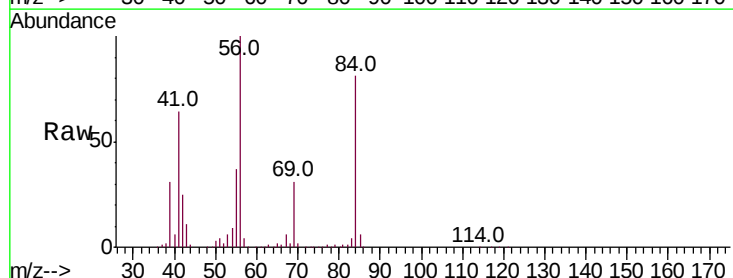
Manual Integrations
APPROVED

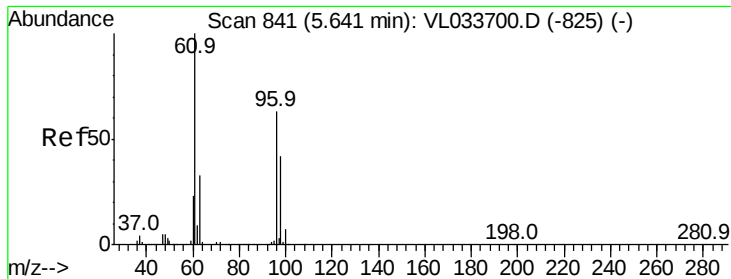
apatel
5/30/2019 3:34:33 PM



#30
Cyclohexane
Concen: 11.619 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Tgt Ion: 84 Resp: 823480
Ion Ratio Lower Upper
84 100
56 130.5 107.7 161.5
41 79.6 66.0 99.0





#31

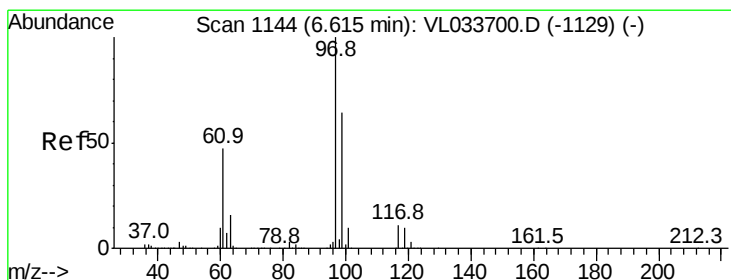
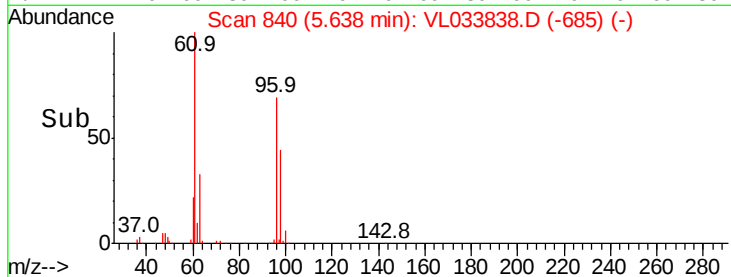
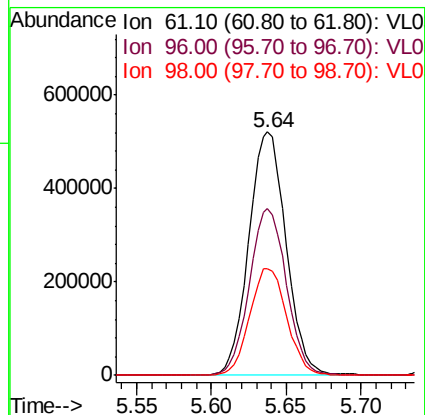
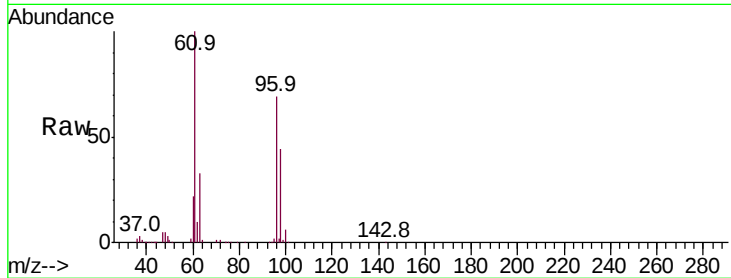
cis-1,2-Dichloroethene
Concen: 10.791 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
61	100	901968		
96	68.8		50.8	76.2
98	43.7		33.3	49.9

Manual Integrations
APPROVED

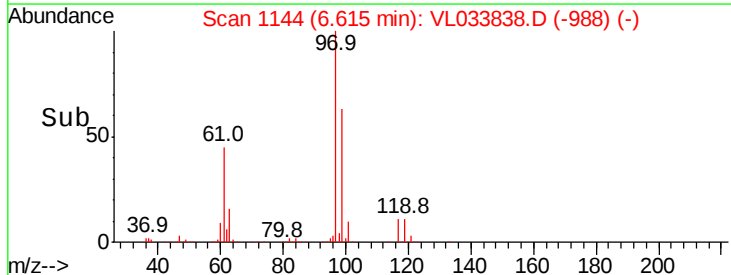
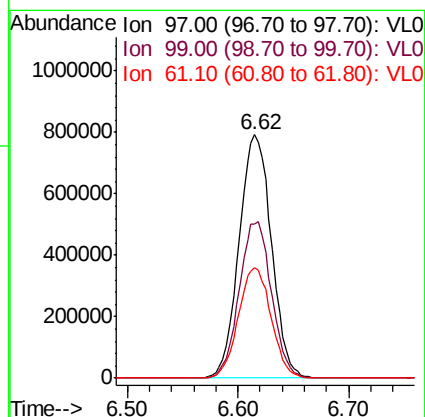
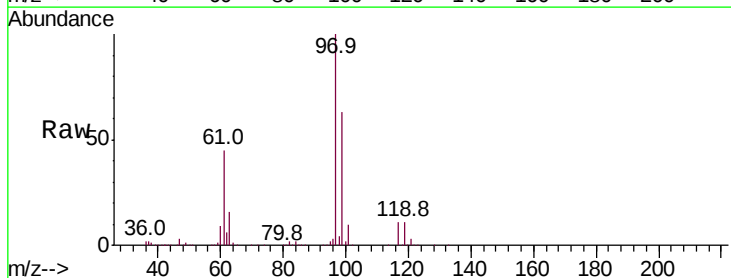
apatel
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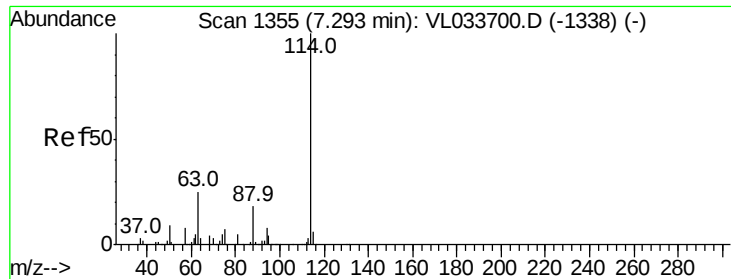


#32

1,1,1-Trichloroethane
Concen: 10.395 ppbv
RT: 6.62 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	1611705		
99	64.2		51.5	77.3
61	46.0		37.8	56.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1354

Delta R.T. -0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:114 Resp: 2173217

Ion Ratio Lower Upper

114 100

63 24.7 20.9 31.3

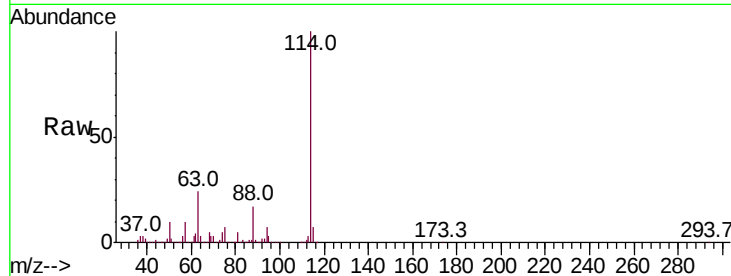
88 17.4 14.3 21.5

Manual Integrations

APPROVED

apatel

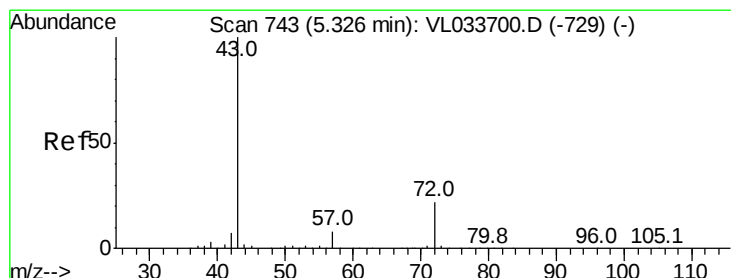
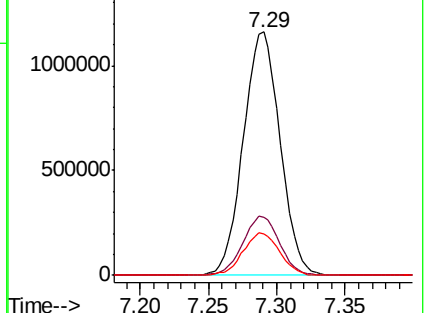
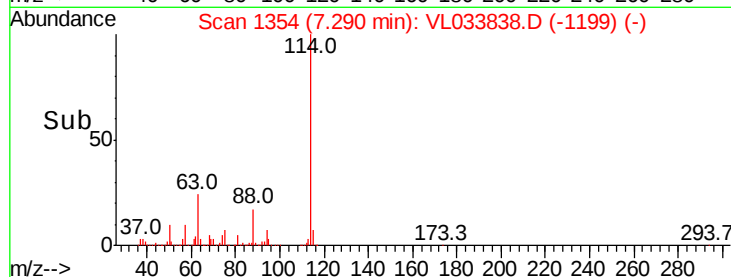
5/30/2019 3:34:33 PM



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: 9.768 ppbv

RT: 5.33 min Scan# 743

Delta R.T. 0.00 min

Lab File: VL033838.D

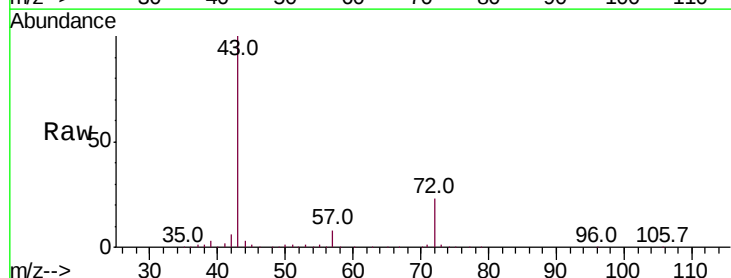
Acq: 29 May 2019 14:59

Tgt Ion: 43 Resp: 1315846

Ion Ratio Lower Upper

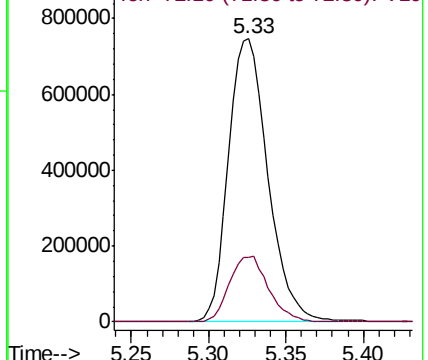
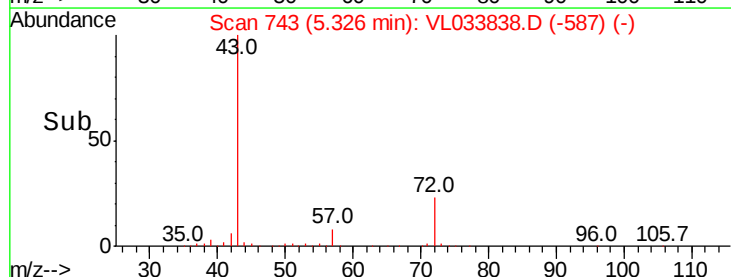
43 100

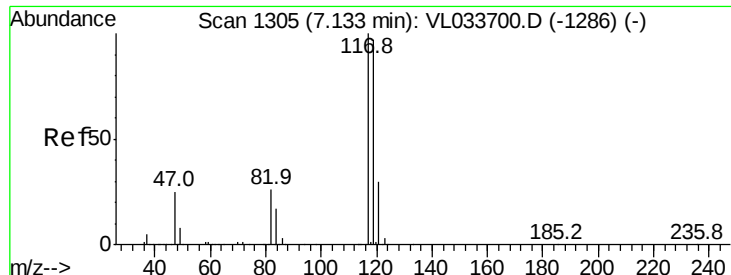
72 23.3 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





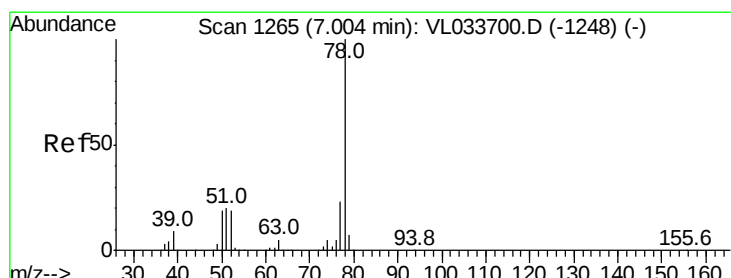
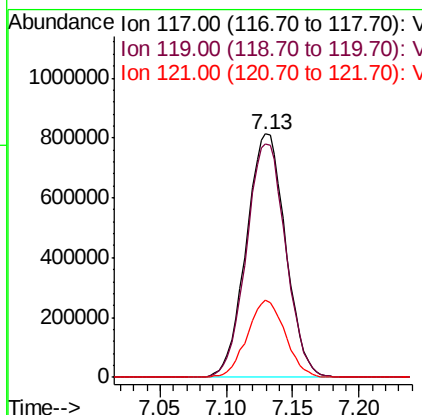
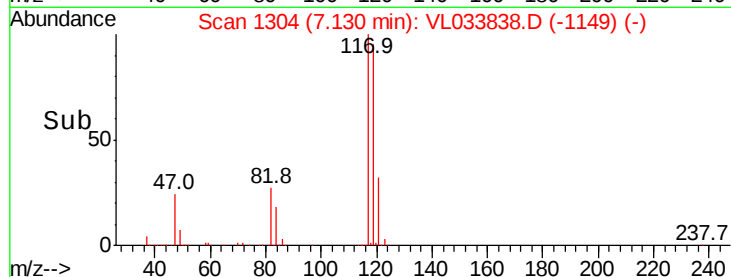
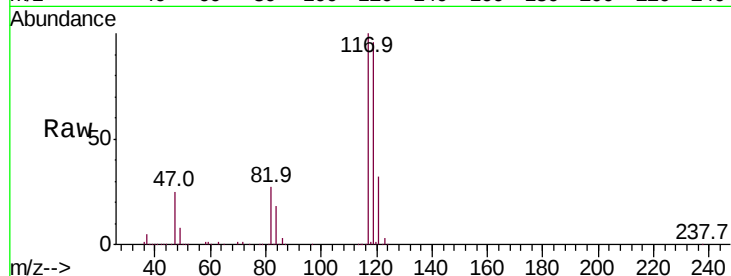
#35
Carbon Tetrachloride
Concen: 9.614 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 1673634
Ion Ratio Lower Upper
117 100
119 95.6 77.2 115.8
121 31.8 24.1 36.1

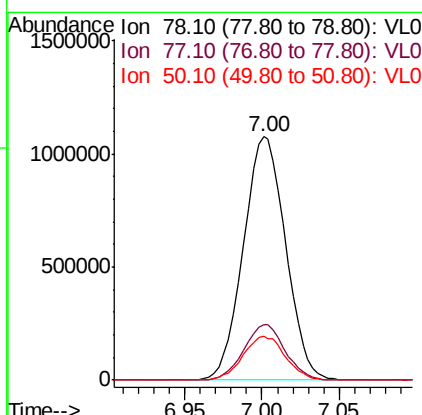
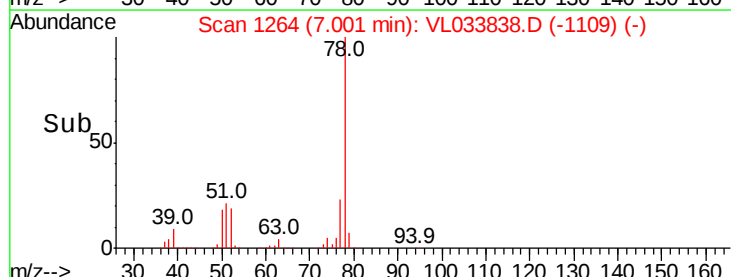
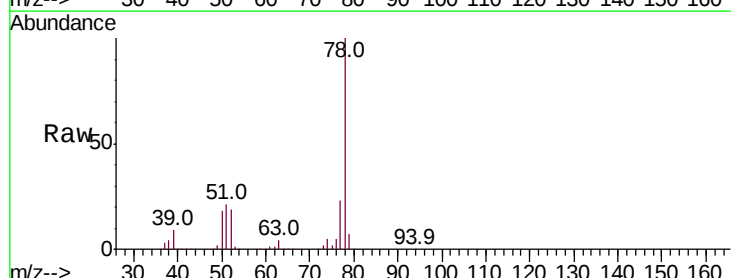
Manual Integrations
APPROVED

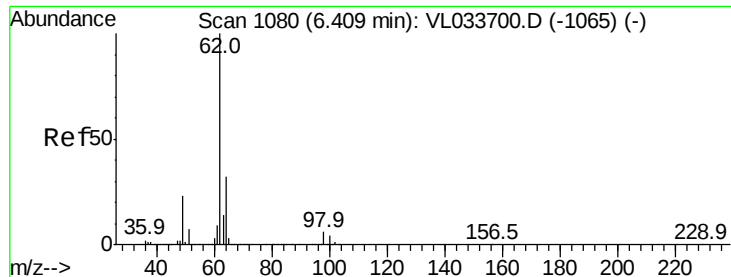
apatel
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#36
Benzene
Concen: 10.336 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Tgt Ion: 78 Resp: 2043216
Ion Ratio Lower Upper
78 100
77 22.5 18.4 27.6
50 18.1 15.5 23.3





#37

1,2-Dichloroethane

Concen: 8.825 ppbv

RT: 6.41 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 1125354

Ion Ratio Lower Upper

62 100

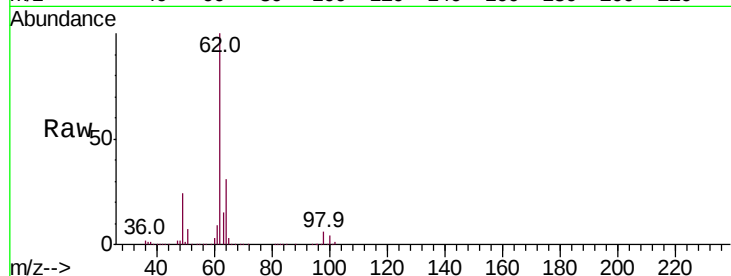
98 6.4 4.5 6.7

Manual Integrations

APPROVED

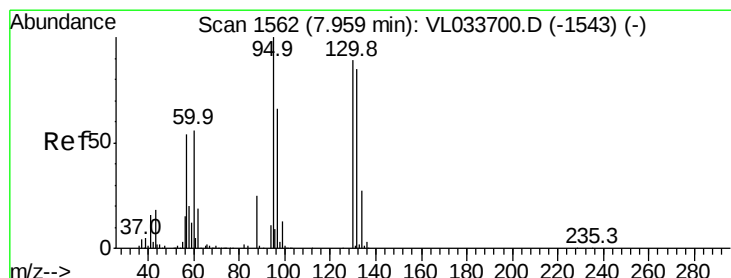
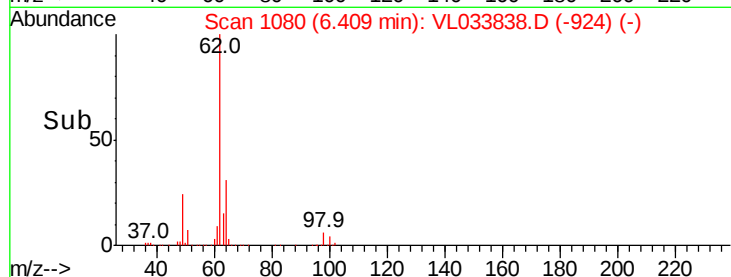
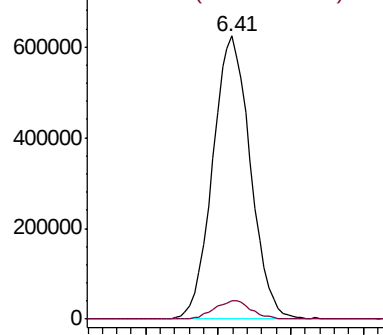
apatel

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 10.487 ppbv

RT: 7.96 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Tgt Ion:130 Resp: 769259

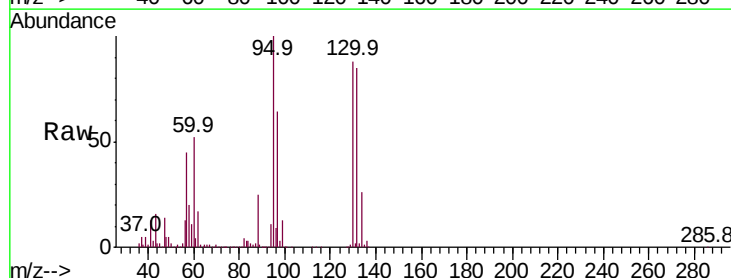
Ion Ratio Lower Upper

130 100

95 114.0 90.2 135.4

132 97.1 76.4 114.6

97 73.5 59.8 89.6

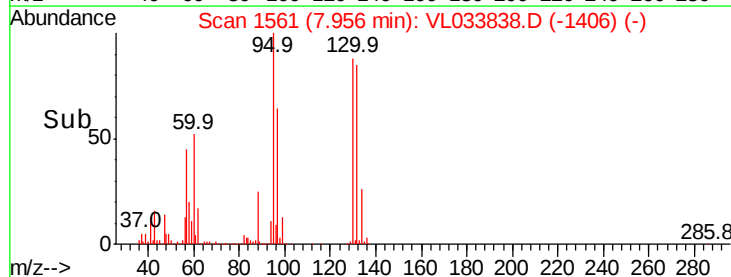
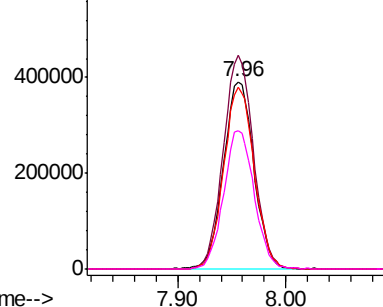


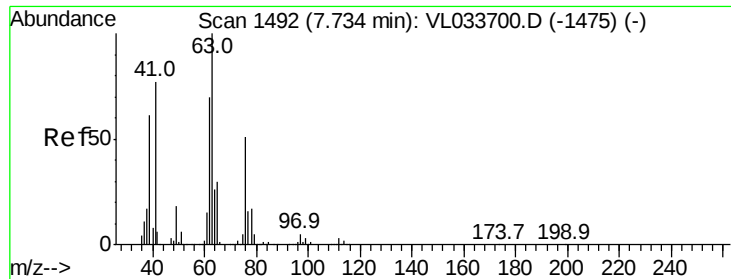
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





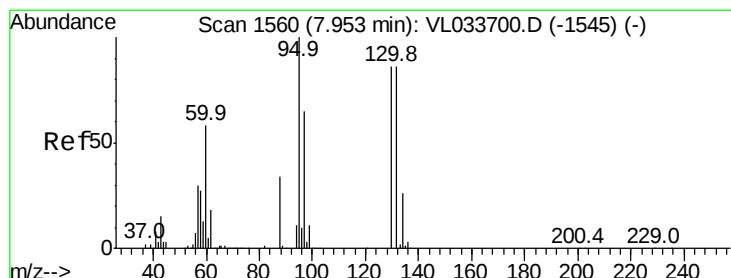
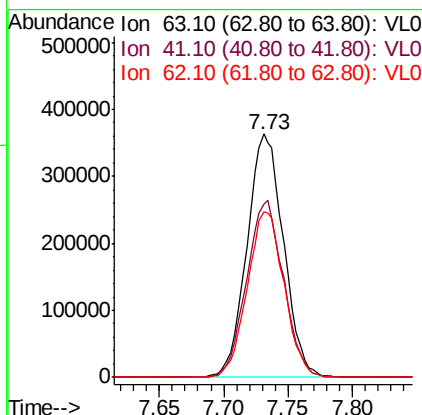
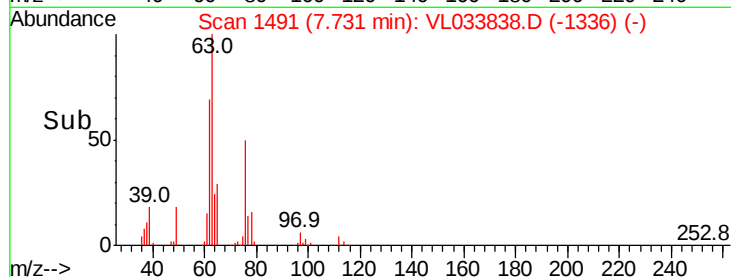
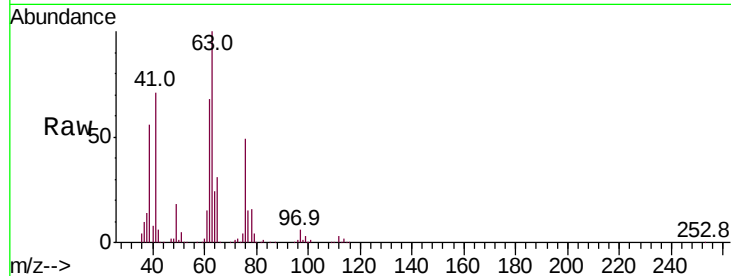
#39
 1,2-Dichloropropane
 Concen: 9.732 ppbv
 RT: 7.73 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	71.2	61.5	92.3
62	68.3	56.2	84.4

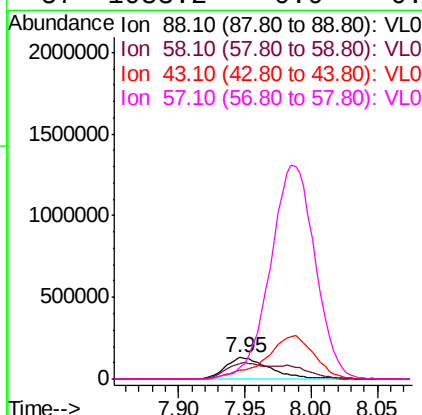
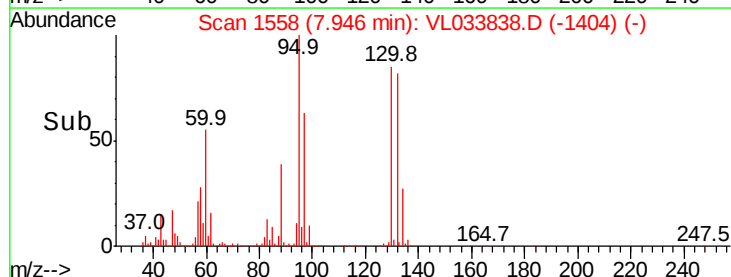
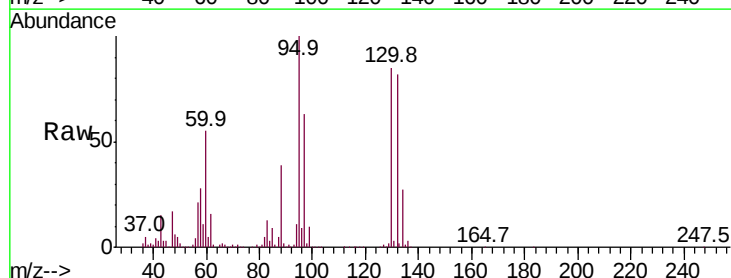
Manual Integrations
 APPROVED

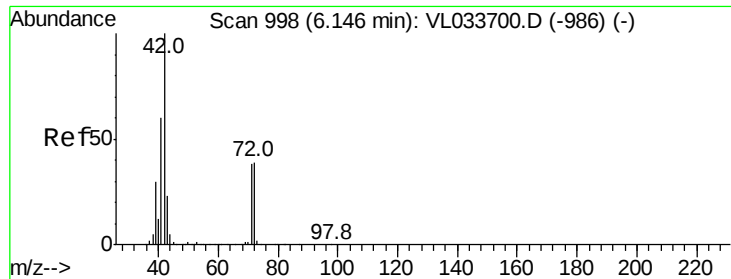
apatel
 5/30/2019 3:34:33 PM



#40
 1,4-Dioxane
 Concen: 9.747 ppbv
 RT: 7.95 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

Tgt Ion	Ratio	Lower	Upper
88	100		
58	119.1	101.8	152.6
43	230.0	0.0	0.0#
57	1033.2	0.0	0.0#





#41

Tetrahydrofuran

Concen: 10.264 ppbv

RT: 6.14 min Scan# 997

Delta R.T. -0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

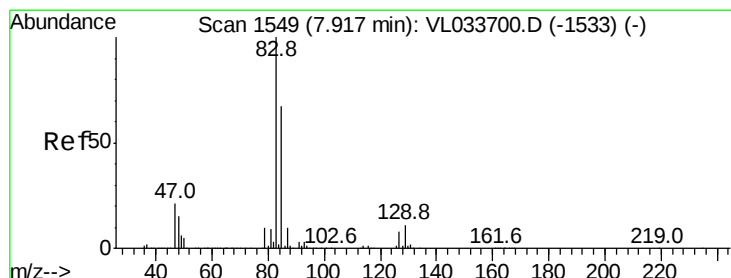
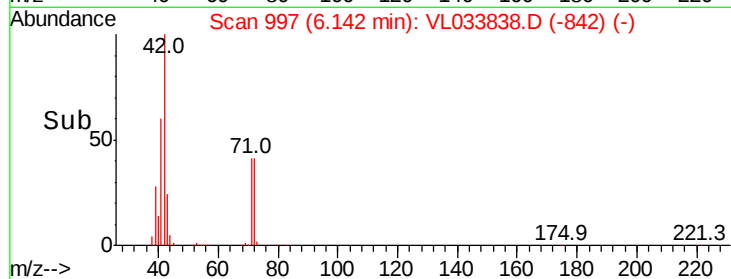
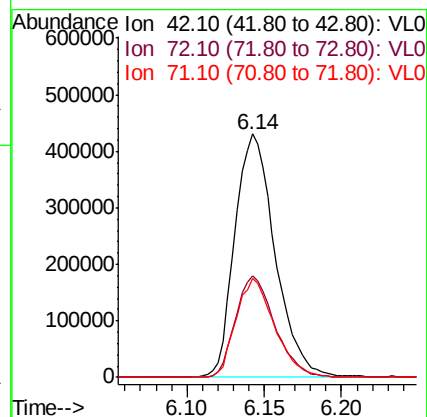
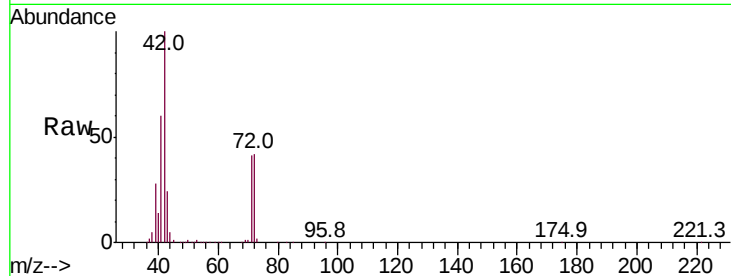
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	774704
Ion Ratio	Lower	Upper	
42	100		
72	41.1	32.0	48.0
71	39.3	30.4	45.6

Manual Integrations
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#42

Bromodichloromethane

Concen: 9.466 ppbv

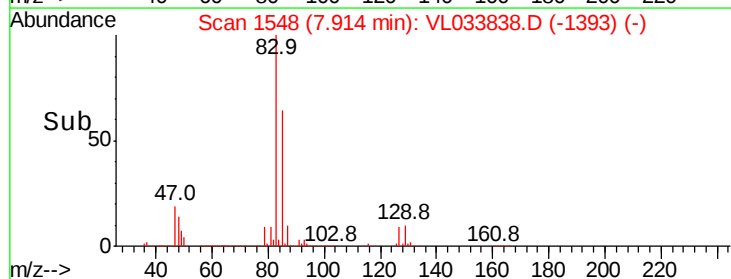
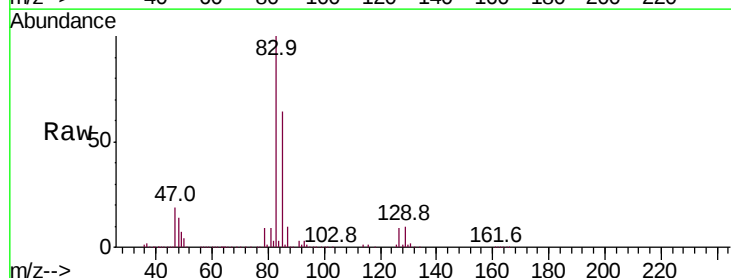
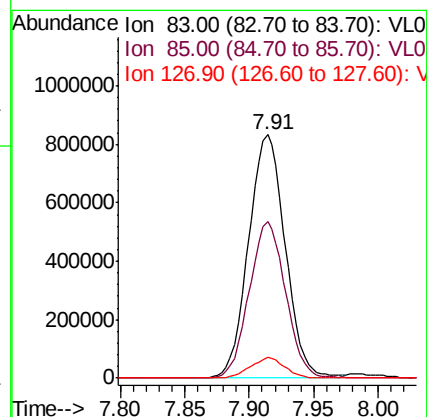
RT: 7.91 min Scan# 1548

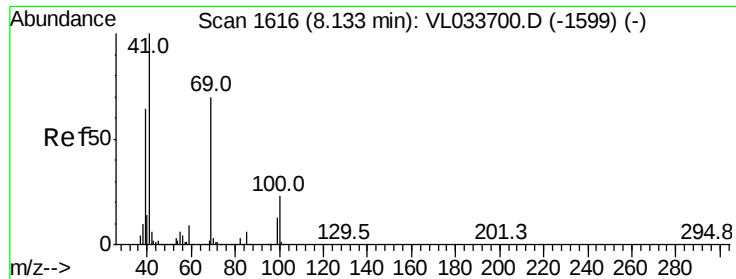
Delta R.T. -0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Tgt Ion:	83	Resp:	1652586
Ion Ratio	Lower	Upper	
83	100		
85	64.3	53.3	79.9
127	8.7	6.5	9.7





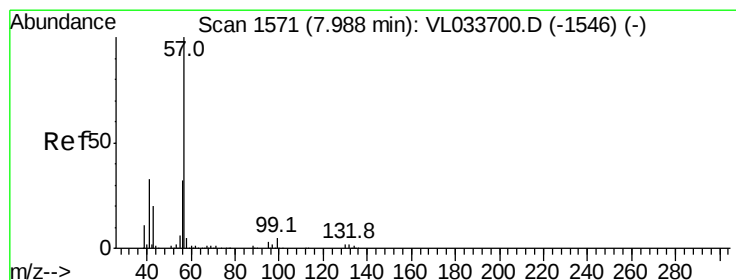
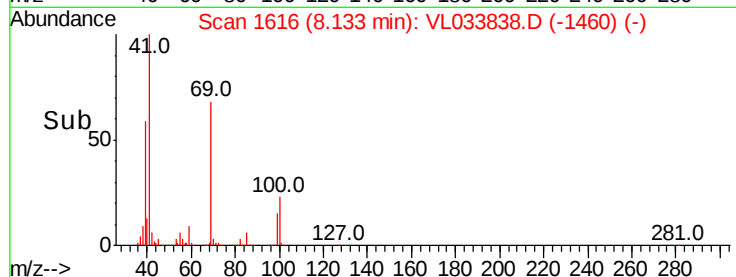
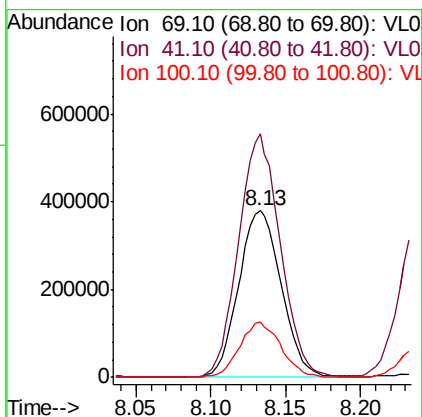
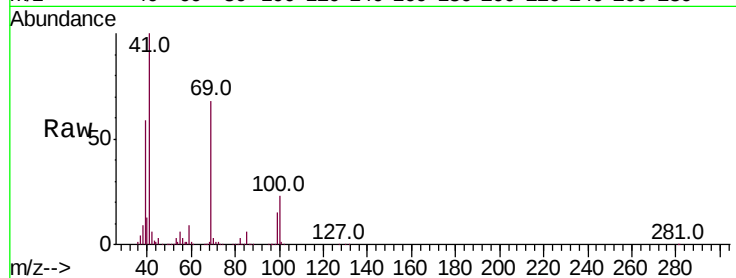
#43
Methvl Methacrylate
Concen: 10.323 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
69	100		
41	143.5	116.3	174.5
100	32.3	25.3	37.9

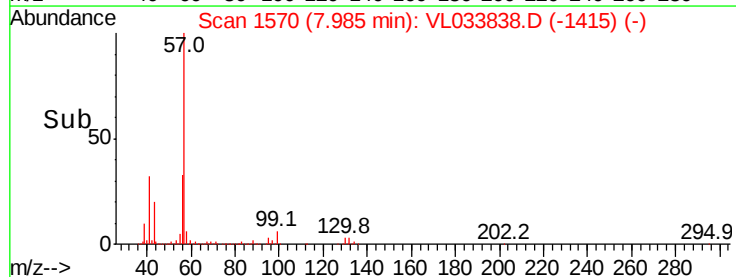
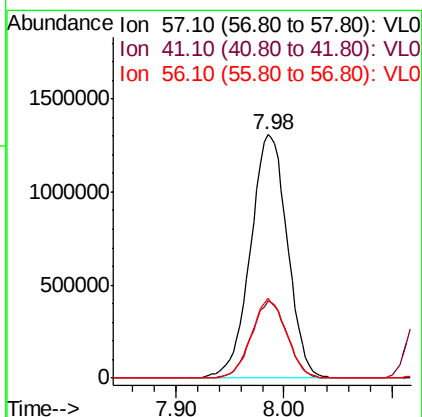
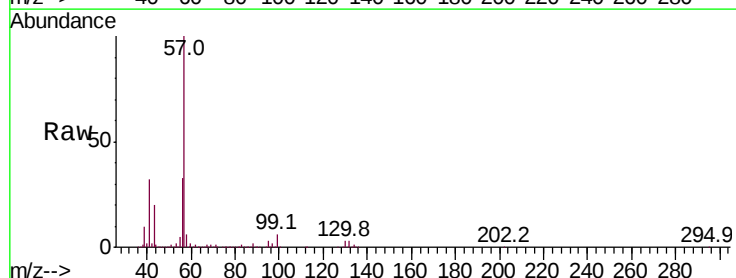
Manual Integrations
APPROVED

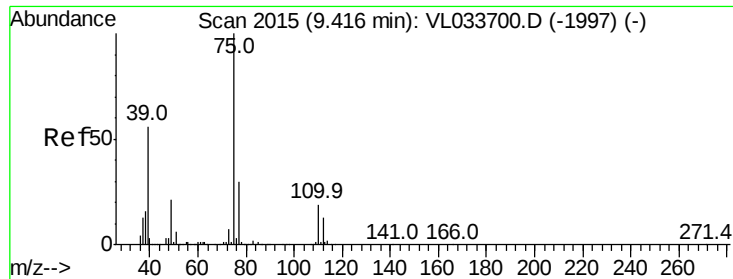
apatel
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#44
2,2,4-Trimethylpentane
Concen: 9.276 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Tgt Ion	Ratio	Lower	Upper
57	100		
41	30.8	25.4	38.0
56	31.1	24.7	37.1





#45

t-1,3-Dichloropropene

Concen: 11.492 ppbv

RT: 9.41 min Scan# 2013

Delta R.T. -0.01 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 1059910

Ion Ratio Lower Upper

75 100

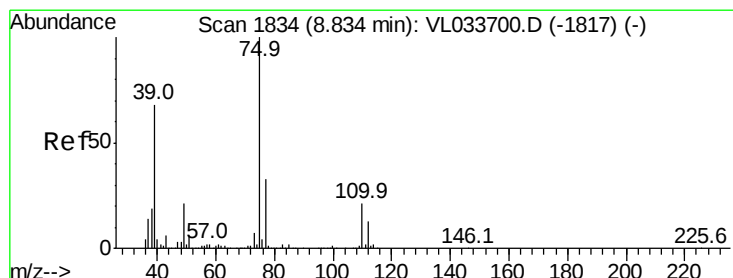
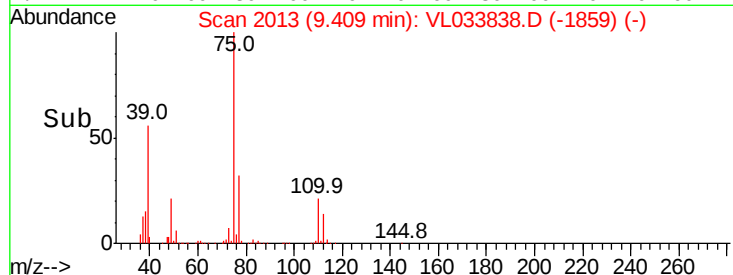
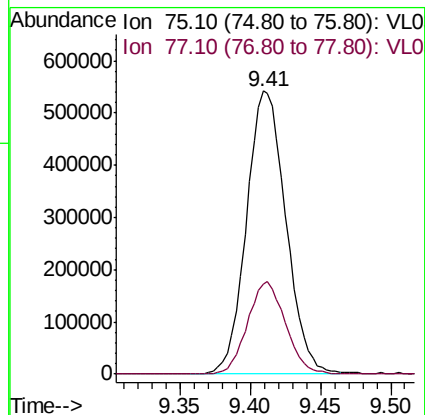
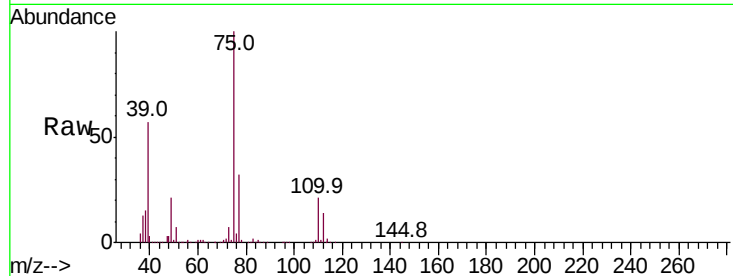
77 31.8 24.4 36.6

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#46

cis-1,3-Dichloropropene

Concen: 10.497 ppbv

RT: 8.83 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

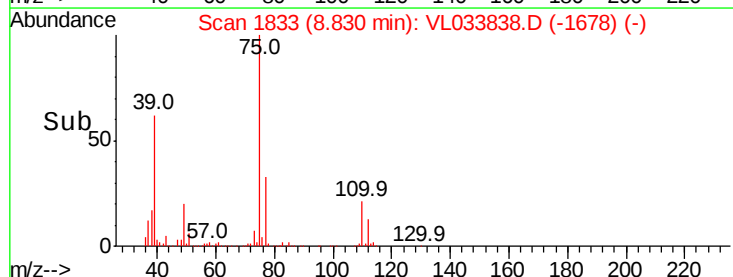
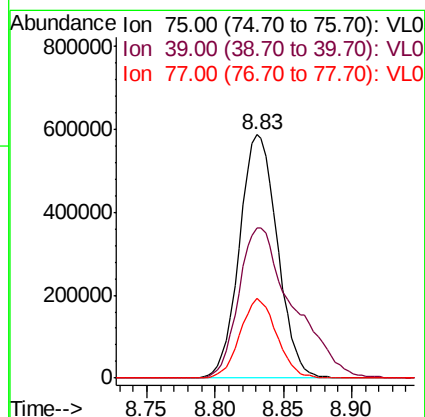
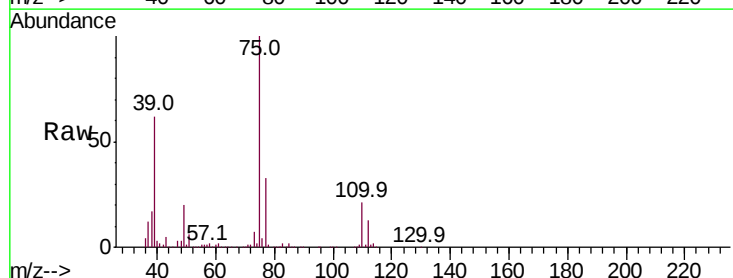
Tgt Ion: 75 Resp: 1133592

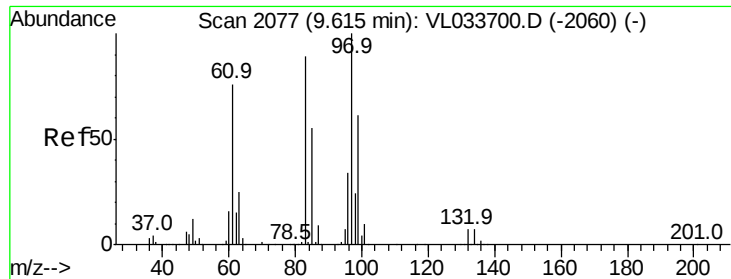
Ion Ratio Lower Upper

75 100

39 61.8 54.4 81.6

77 32.7 26.6 39.8





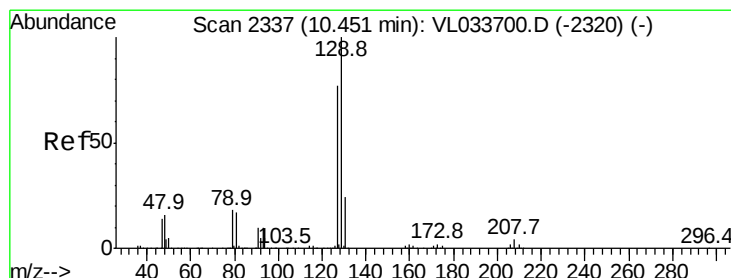
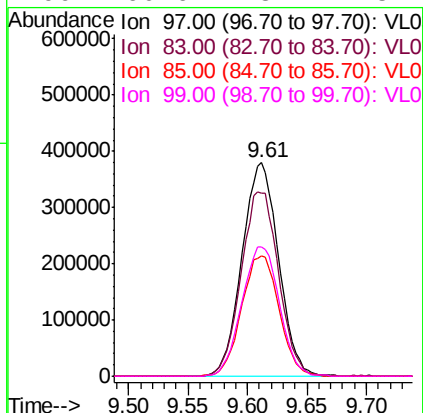
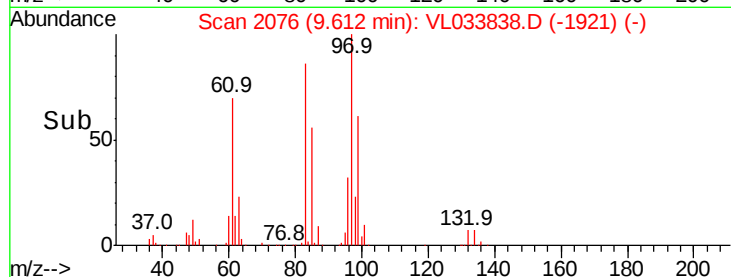
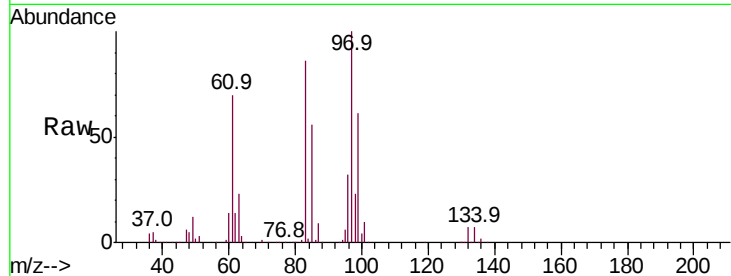
#47
 1,1,2-Trichloroethane
 Concen: 9.634 ppbv
 RT: 9.61 min Scan# 2076
 Delta R.T. -0.00 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.8	106.2
85	56.3	43.7	65.5
99	60.6	48.7	73.1

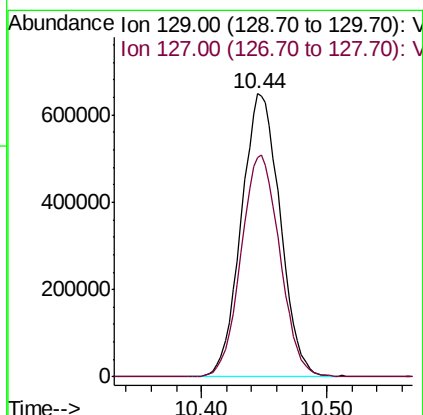
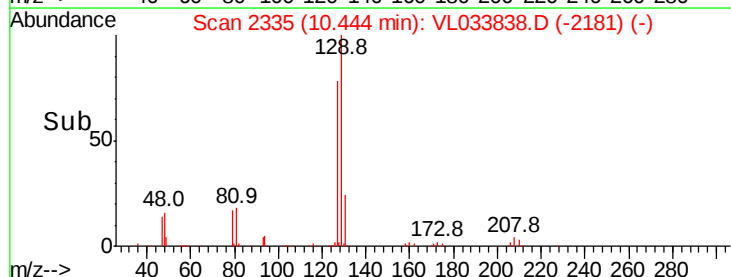
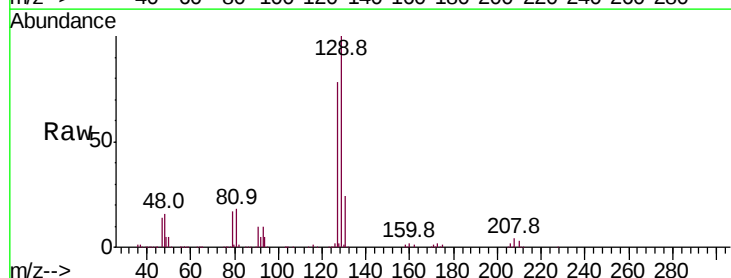
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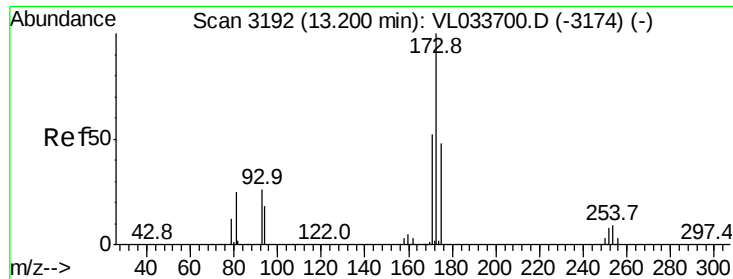
apatel
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#48
 Dibromochloromethane
 Concen: 9.616 ppbv
 RT: 10.44 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.6	116.0





#49

Bromoform

Concen: 10.850 ppbv

RT: 13.20 min Scan# 3192

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1324443

Ion Ratio Lower Upper

173 100

175 49.2 38.6 58.0

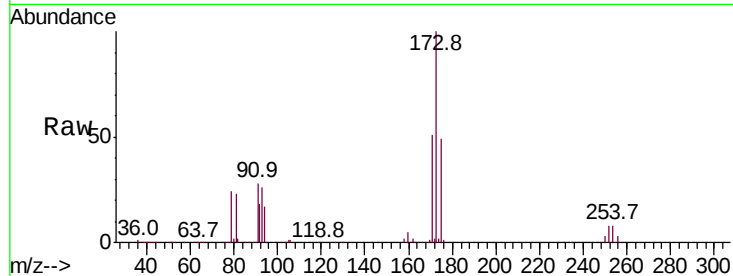
171 51.9 41.5 62.3

Manual Integrations

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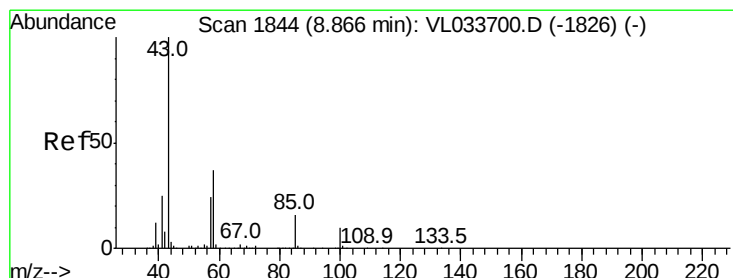
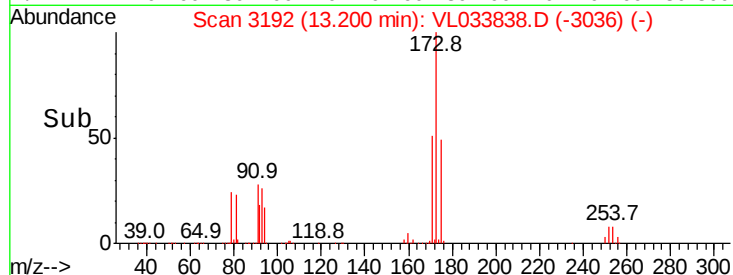
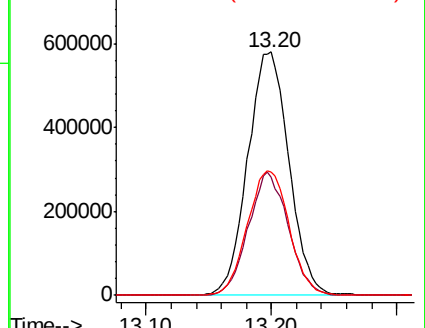
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.451 ppbv

RT: 8.87 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VL033838.D

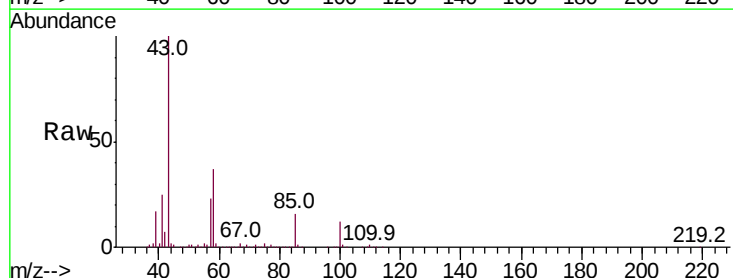
Acq: 29 May 2019 14:59

Tgt Ion: 43 Resp: 1958235

Ion Ratio Lower Upper

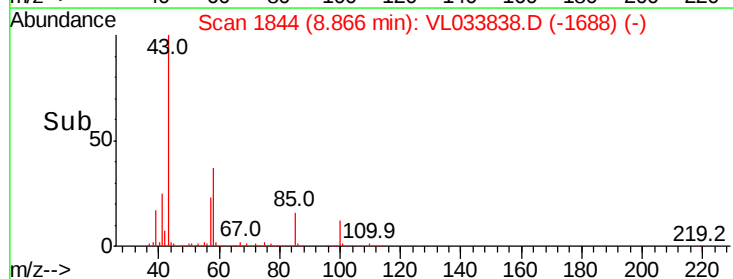
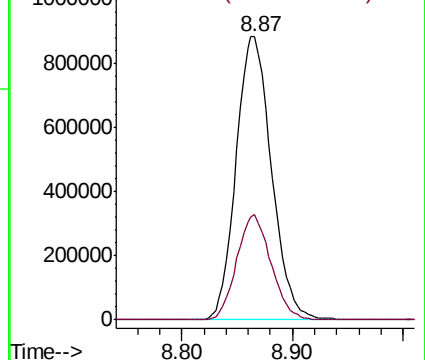
43 100

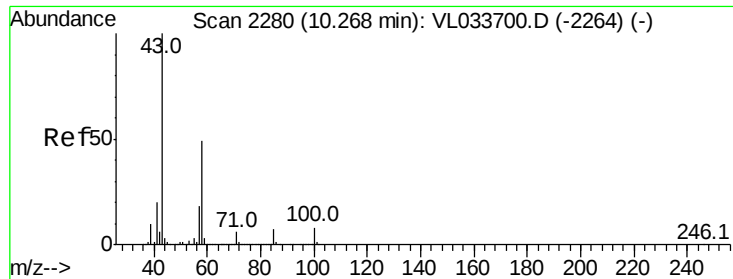
58 36.2 28.6 43.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





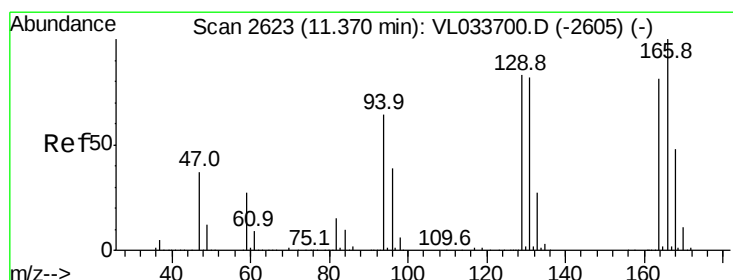
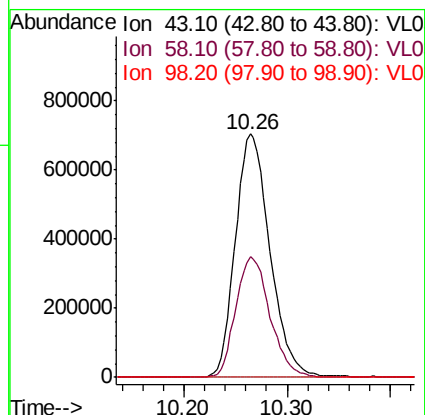
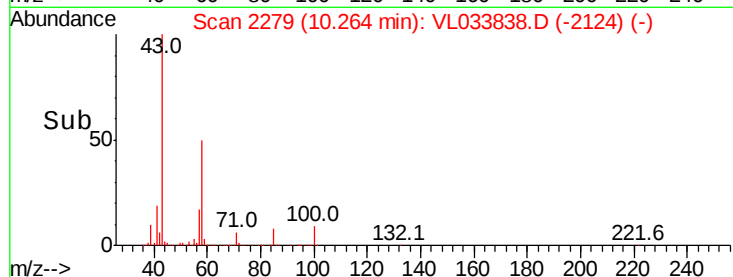
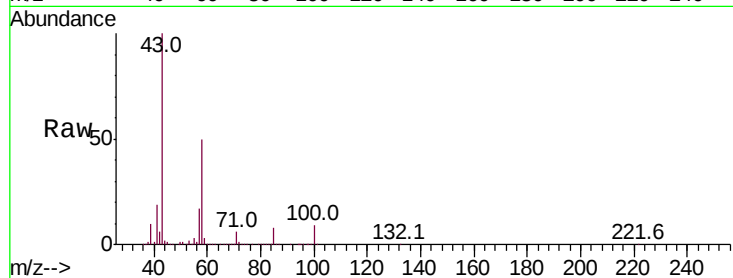
#51
2-Hexanone
Concen: 10.175 ppbv
RT: 10.26 min Scan# 2279
Delta R.T. -0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1645325
Ion Ratio Lower Upper
43 100
58 49.0 38.7 58.1
98 0.1 0.2 0.4#

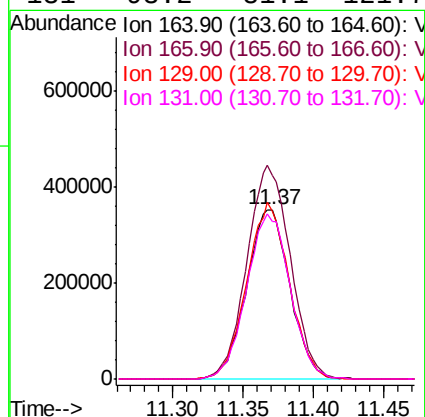
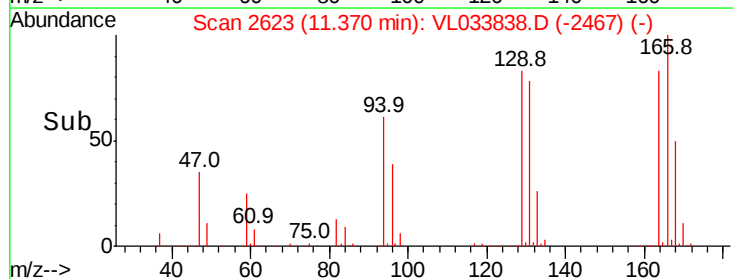
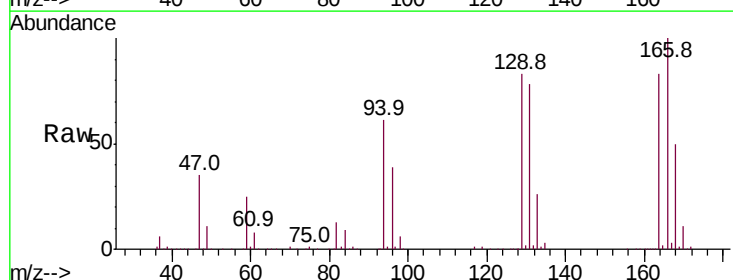
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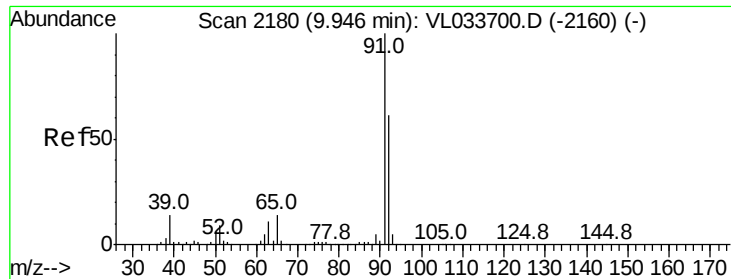
apatel
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#52
Tetrachloroethene
Concen: 10.865 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. 0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Tgt Ion: 164 Resp: 755000
Ion Ratio Lower Upper
164 100
166 120.3 98.9 148.3
129 99.2 81.8 122.6
131 93.2 81.1 121.7





#53

Toluene

Concen: 10.526 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2244445

Ion Ratio Lower Upper

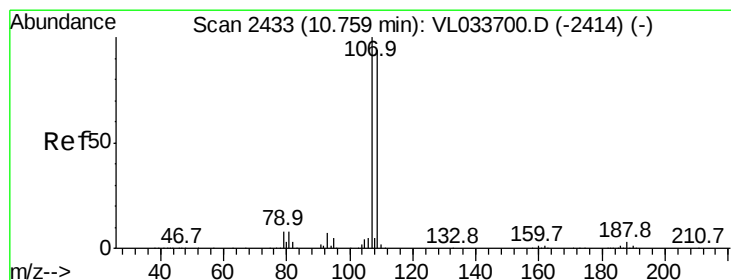
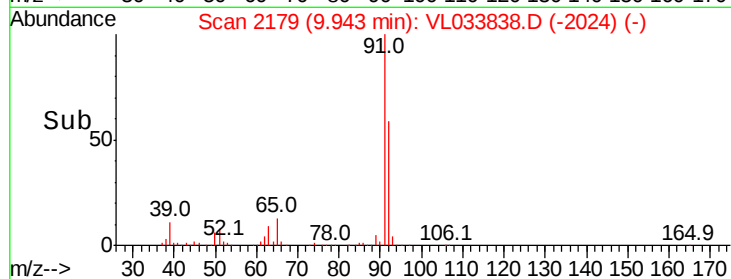
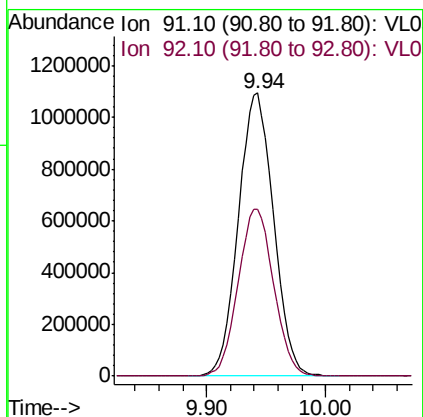
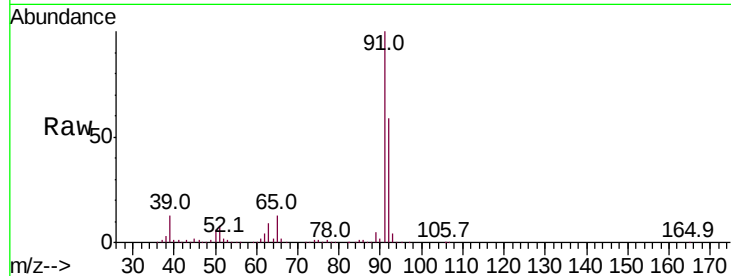
91 100

92 59.5 47.6 71.4

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#54

1,2-Dibromoethane

Concen: 9.877 ppbv

RT: 10.76 min Scan# 2432

Delta R.T. -0.00 min

Lab File: VL033838.D

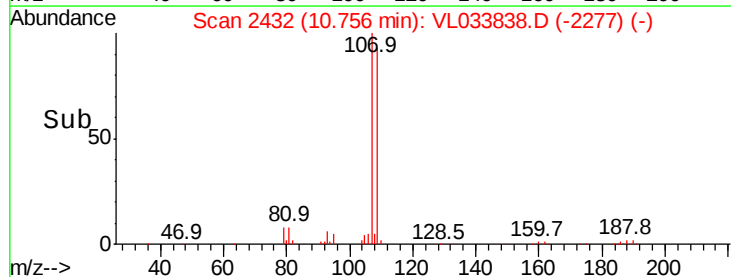
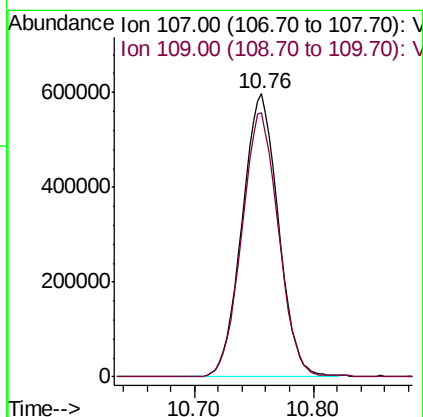
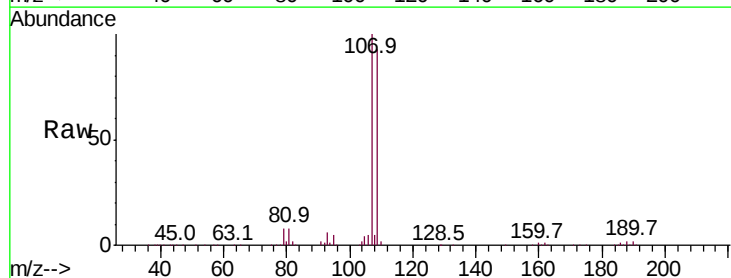
Acq: 29 May 2019 14:59

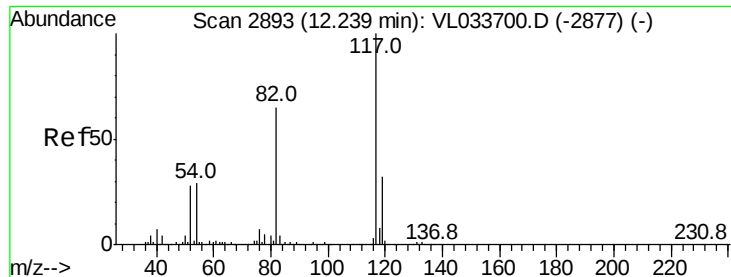
Tgt Ion:107 Resp: 1262112

Ion Ratio Lower Upper

107 100

109 93.2 75.2 112.8





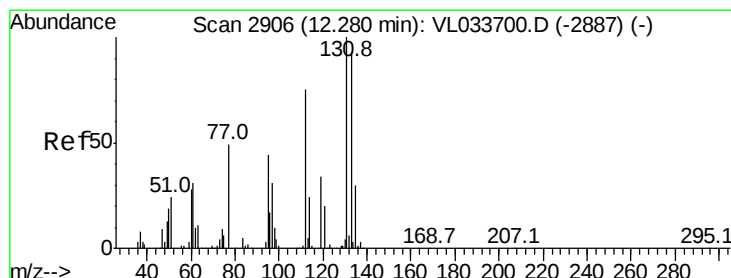
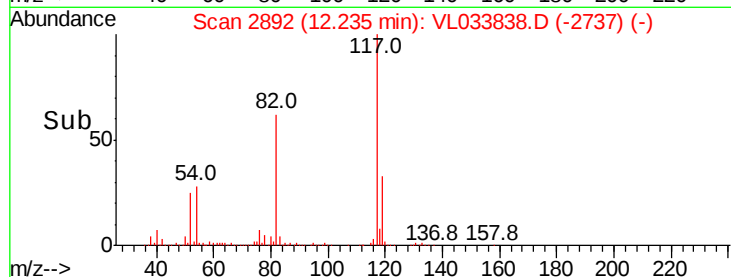
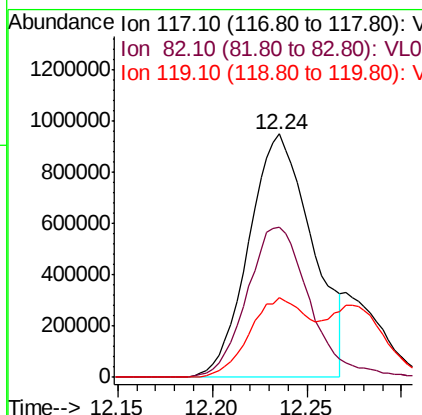
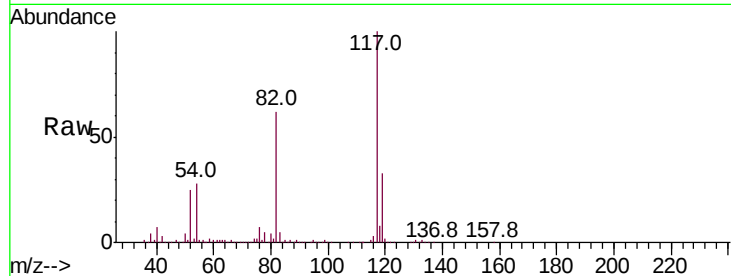
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 2221409
Ion Ratio Lower Upper
117 100
82 61.4 49.4 74.0
119 29.9 24.9 37.3

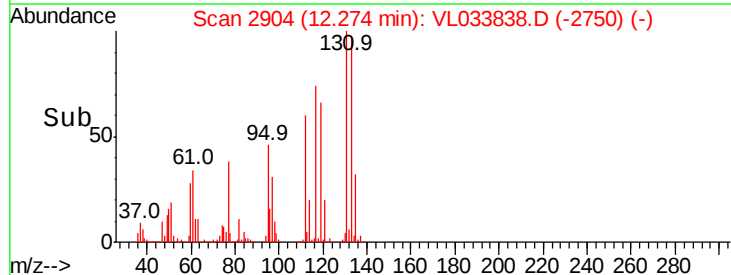
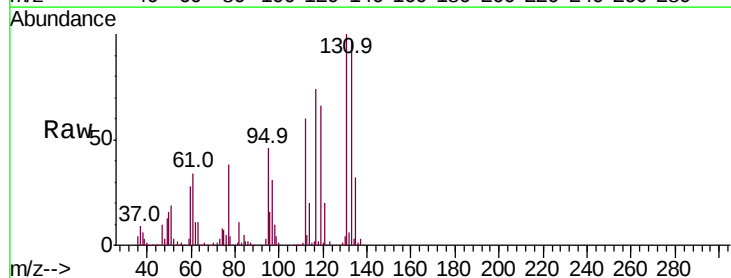
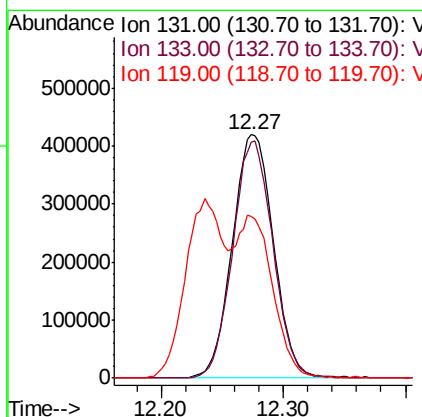
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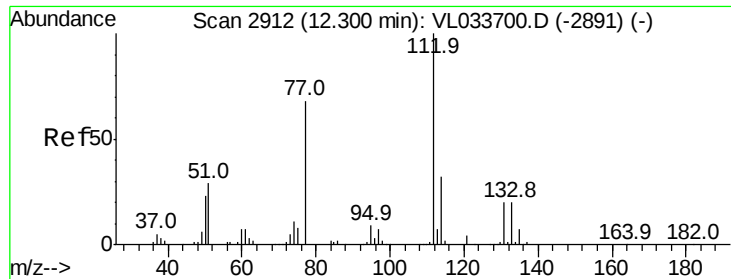
apatel
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.483 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Tgt Ion:131 Resp: 974745
Ion Ratio Lower Upper
131 100
133 96.0 76.6 114.8
119 66.7 49.0 73.4





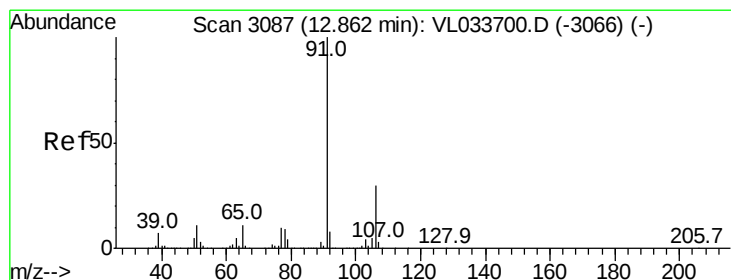
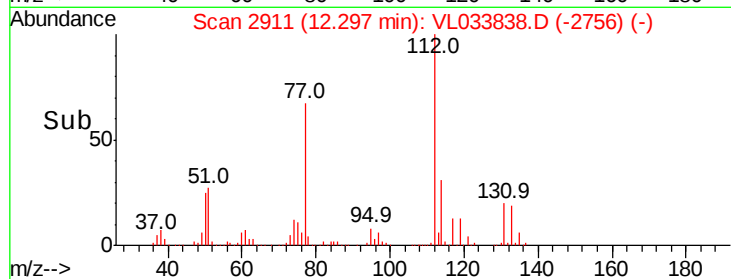
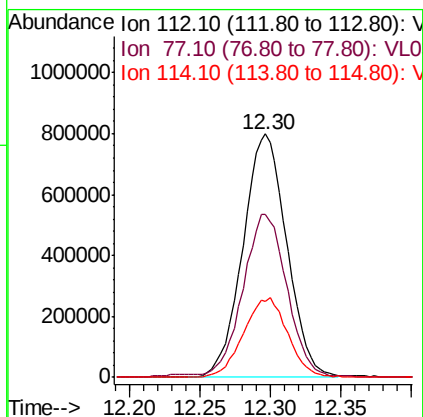
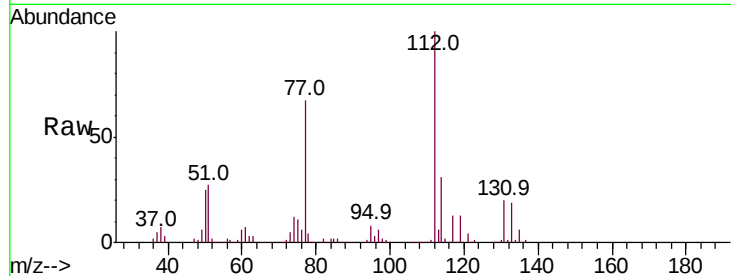
#57
Chlorobenzene
Concen: 9.493 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
77	66.4	55.4	83.0
114	31.3	29.3	35.8

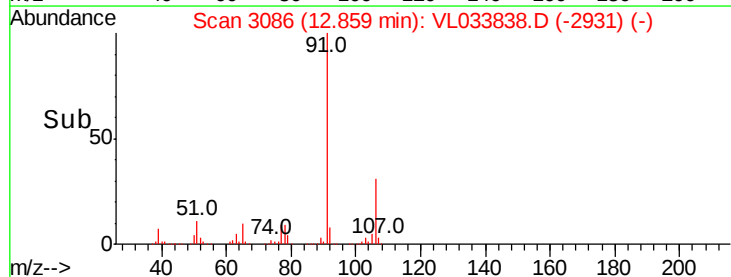
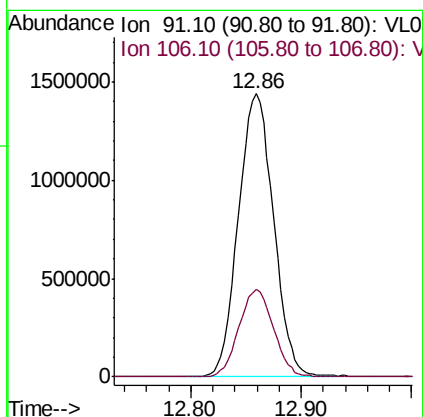
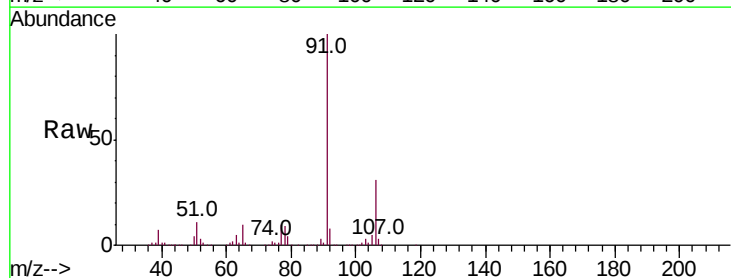
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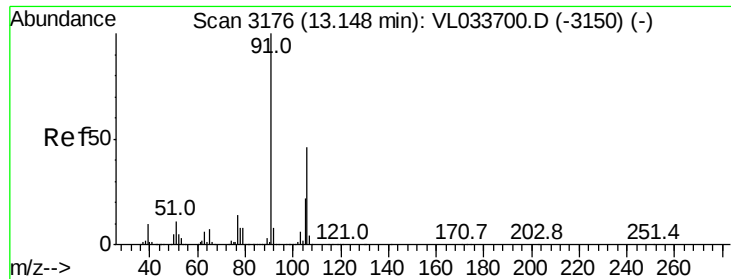
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#58
Ethyl Benzene
Concen: 10.845 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.9	35.9





#59

m/p-Xylene

Concen: 20.581 ppbv m

RT: 13.15 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 5292285

Ion Ratio Lower Upper

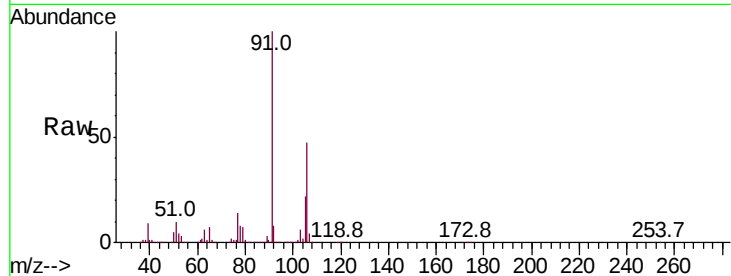
91 100

106 46.0 35.8 53.6

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Abundance Ion 91.10 (90.80 to 91.80): VL0

1500000 Ion 106.10 (105.80 to 106.80): V

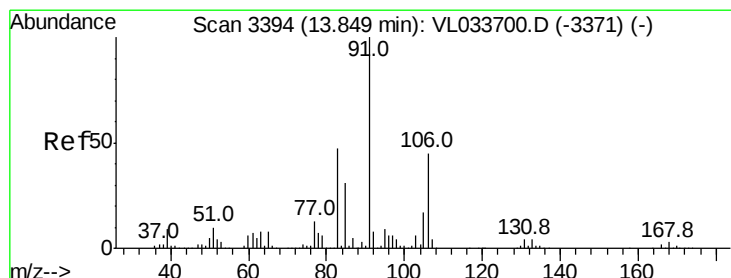
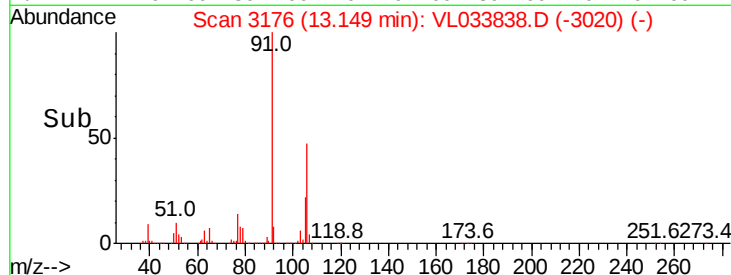
13.15

1000000

500000

0

Time--> 13.00 13.10 13.20



#60

o-Xylene

Concen: 10.000 ppbv

RT: 13.84 min Scan# 3392

Delta R.T. -0.01 min

Lab File: VL033838.D

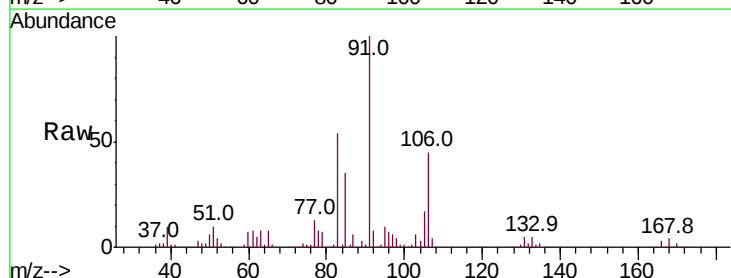
Acq: 29 May 2019 14:59

Tgt Ion: 91 Resp: 2592282

Ion Ratio Lower Upper

91 100

106 44.4 21.6 64.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

1200000 Ion 106.10 (105.80 to 106.80): V

13.84

1000000

800000

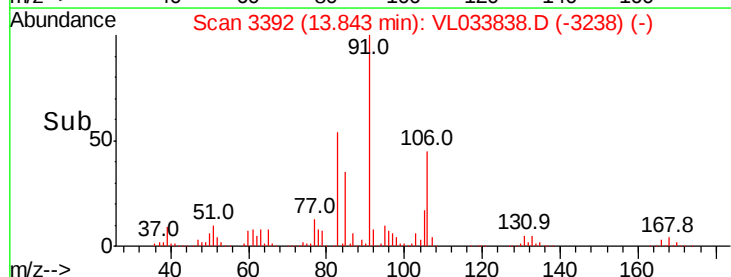
600000

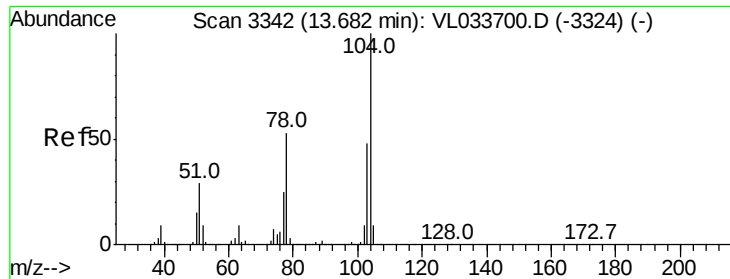
400000

200000

0

Time--> 13.80 13.90





#61

Stvrene

Concen: 11.514 ppbv

RT: 13.68 min Scan# 3341

Delta R.T. -0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 2009487

Ion Ratio Lower Upper

104 100

78 50.9 42.6 64.0

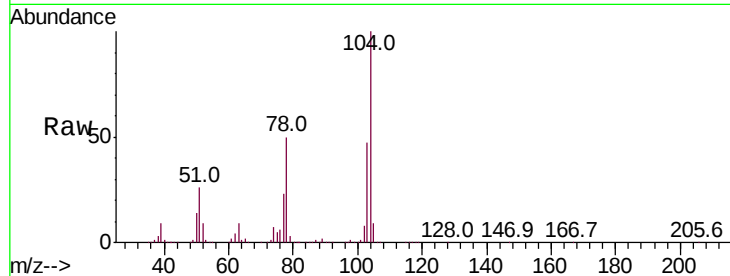
103 47.0 37.8 56.6

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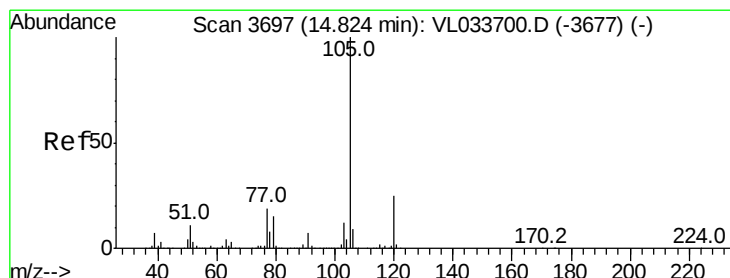
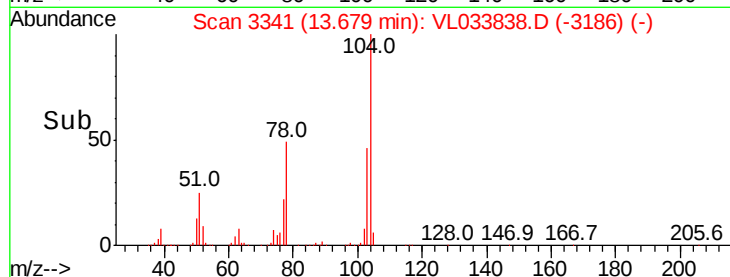
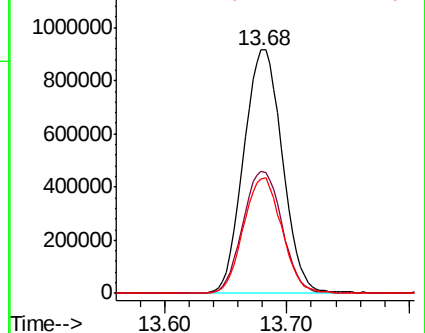
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.166 ppbv

RT: 14.82 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VL033838.D

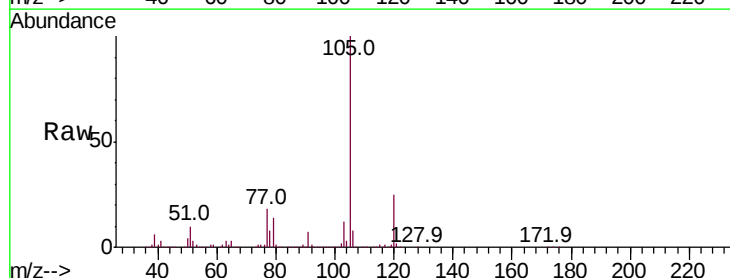
Acq: 29 May 2019 14:59

Tgt Ion:105 Resp: 3549095

Ion Ratio Lower Upper

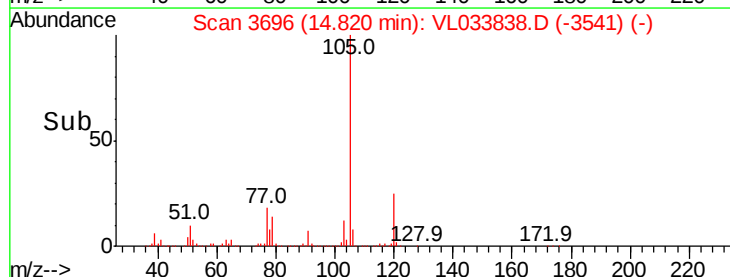
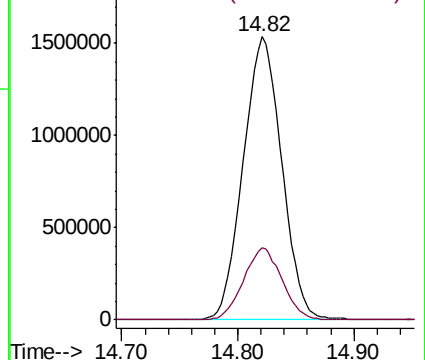
105 100

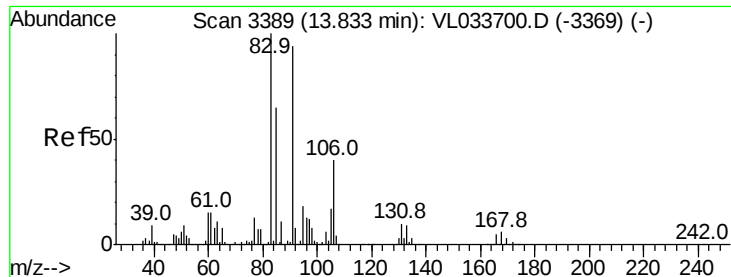
120 25.4 20.1 30.1



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: 9.645 ppbv

RT: 13.83 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleID :

VSTDCCC010EC

Tot Ion: 83 Resp: 1818178

Ion Ratio Lower Upper

83 100

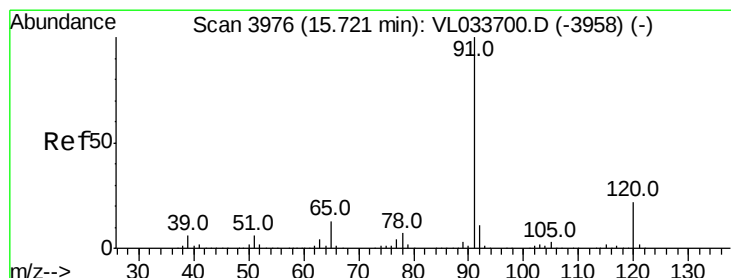
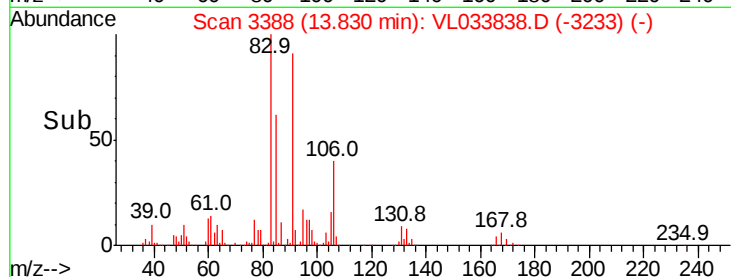
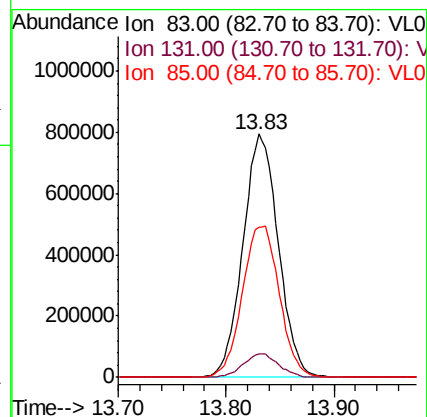
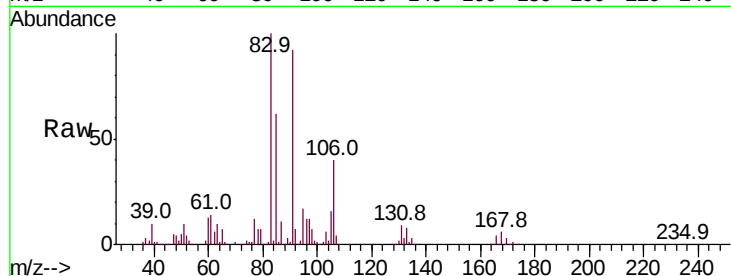
131 9.7 4.8 14.3

85 65.0 32.3 96.9

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#64

n-propylbenzene

Concen: 10.201 ppbv

RT: 15.72 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VL033838.D

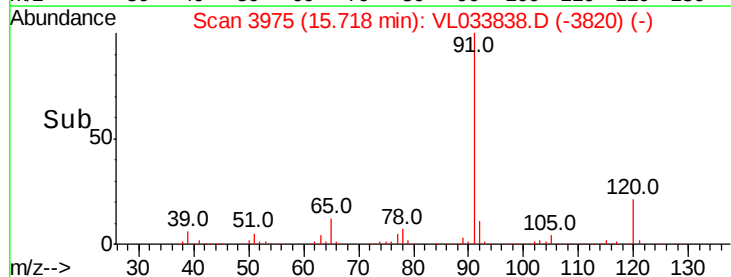
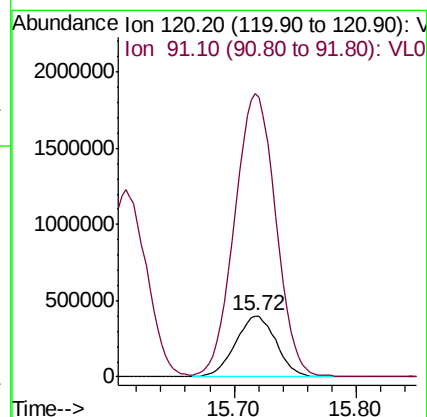
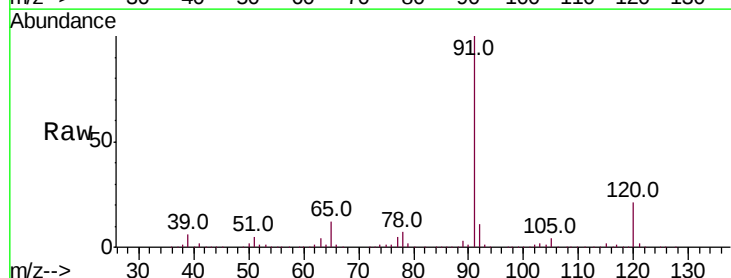
Acq: 29 May 2019 14:59

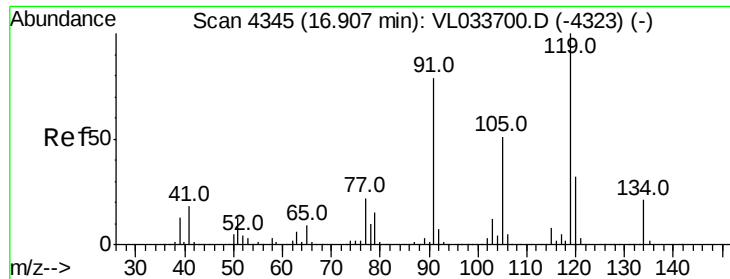
Tgt Ion:120 Resp: 921189

Ion Ratio Lower Upper

120 100

91 474.7 379.1 568.7





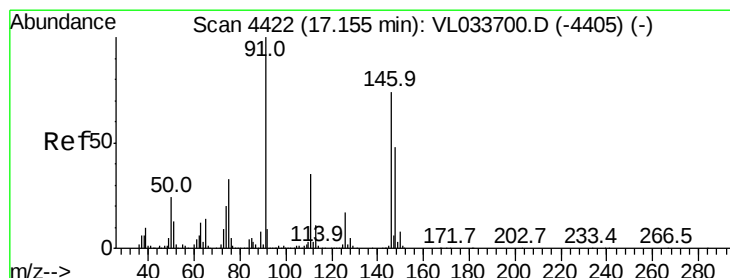
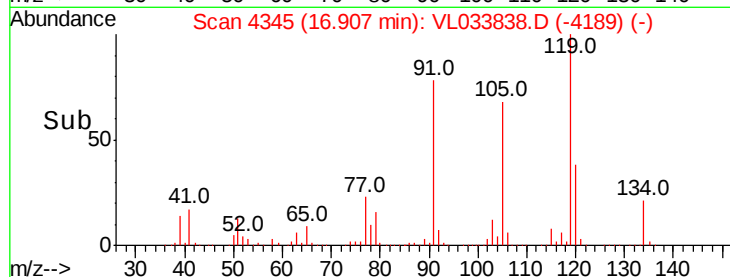
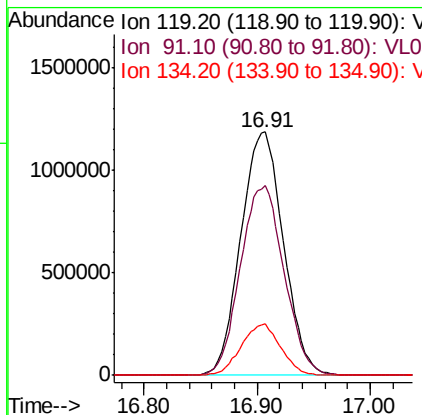
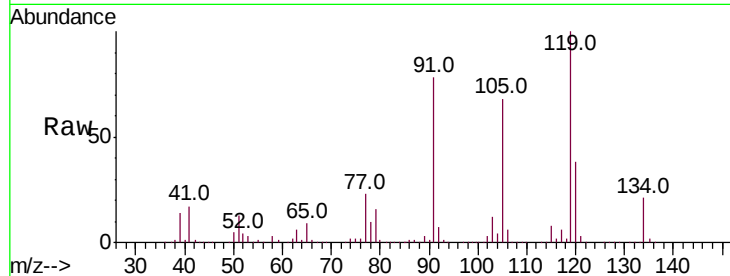
#65
tert-Butylbenzene
Concen: 9.762 ppbv
RT: 16.91 min Scan# 4345
Delta R.T. 0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:119 Resp: 3111617
Ion Ratio Lower Upper
119 100
91 80.0 65.3 97.9
134 19.5 15.7 23.5

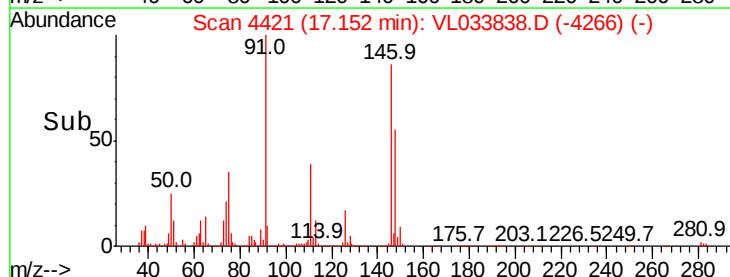
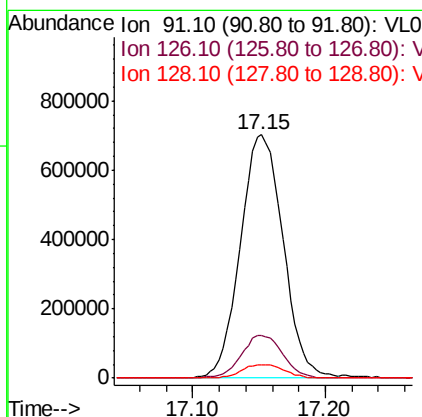
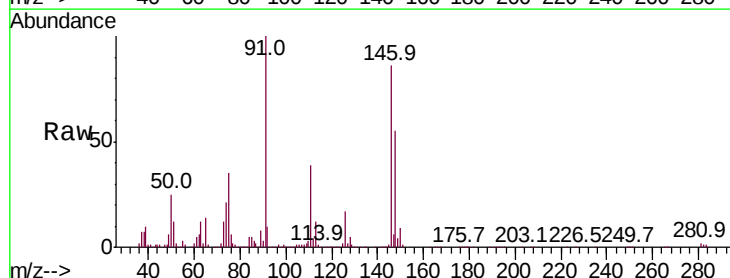
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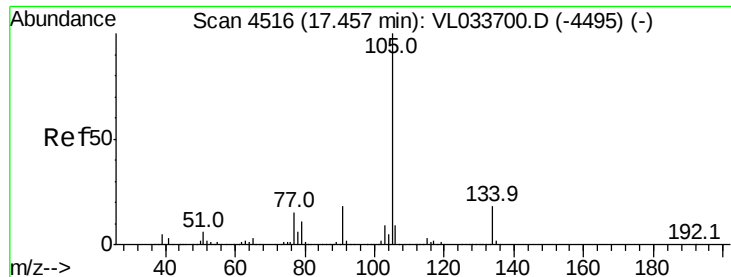
apatel
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#66
Benzyl Chloride
Concen: 10.337 ppbv
RT: 17.15 min Scan# 4421
Delta R.T. -0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Tgt Ion: 91 Resp: 1569184
Ion Ratio Lower Upper
91 100
126 17.2 13.5 20.3
128 5.5 4.3 6.5





#67

sec-Butylbenzene

Concen: 10.104 ppbv

RT: 17.45 min Scan# 4515

Delta R.T. -0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 4507385

Ion Ratio Lower Upper

105 100

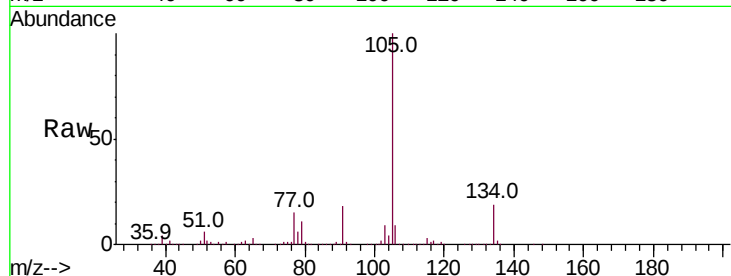
134 18.1 14.6 22.0

Manual Integrations

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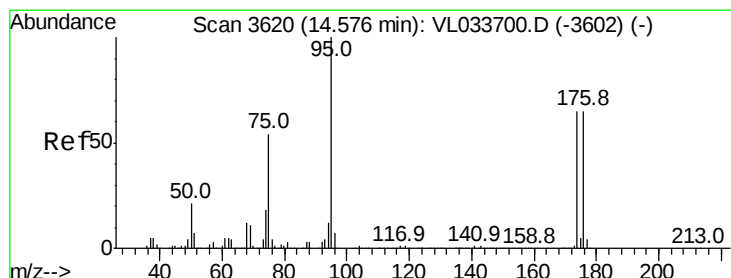
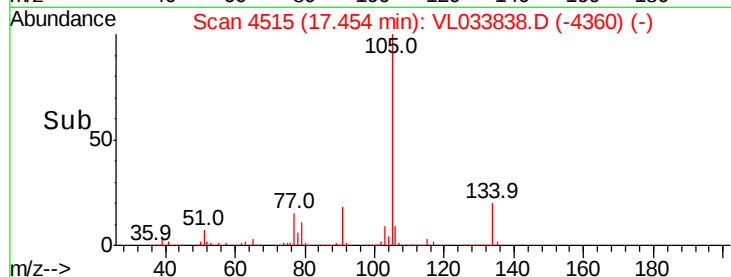
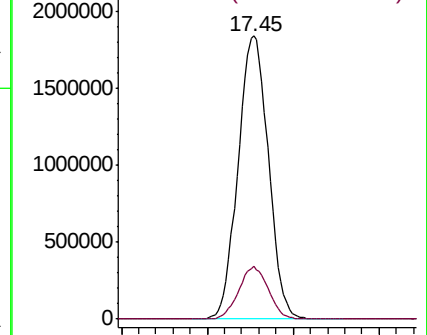
apatel

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.308 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

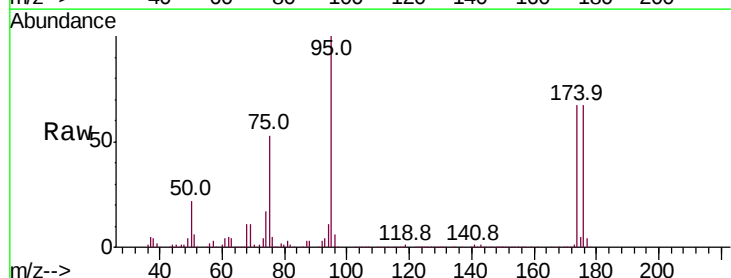
Tgt Ion: 95 Resp: 1676315

Ion Ratio Lower Upper

95 100

174 69.0 53.9 80.9

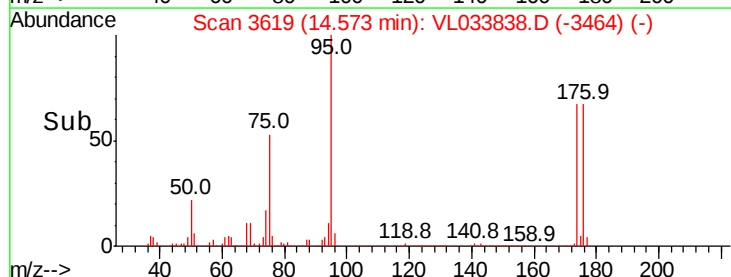
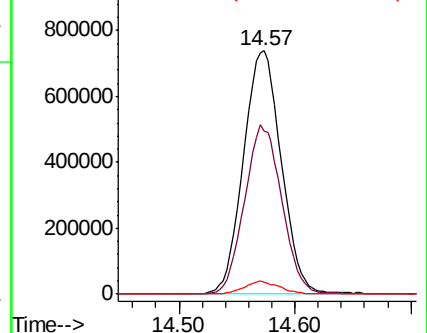
175 5.0 3.8 5.8

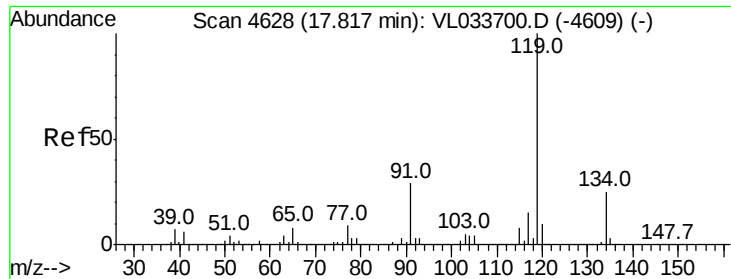


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





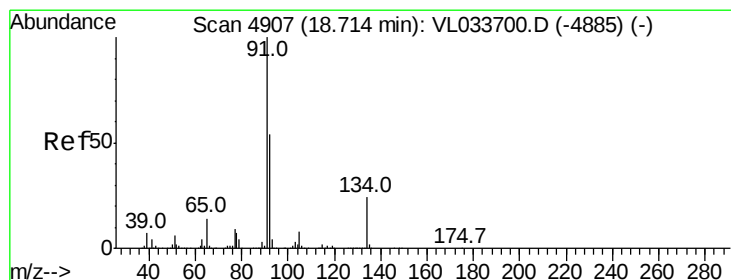
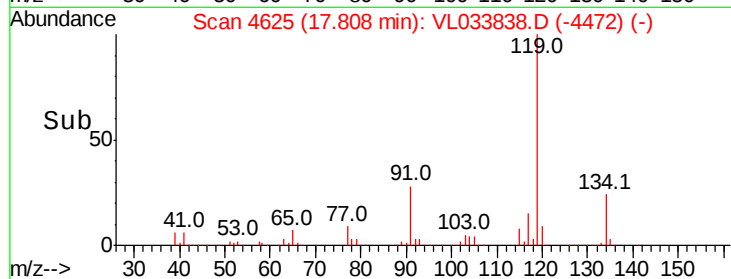
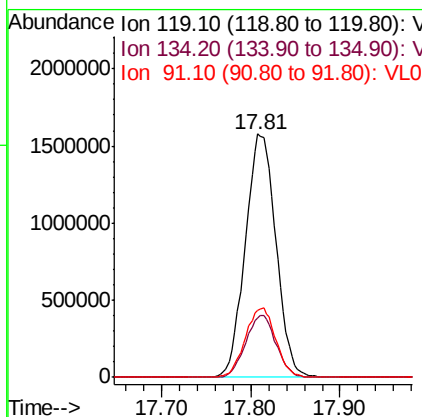
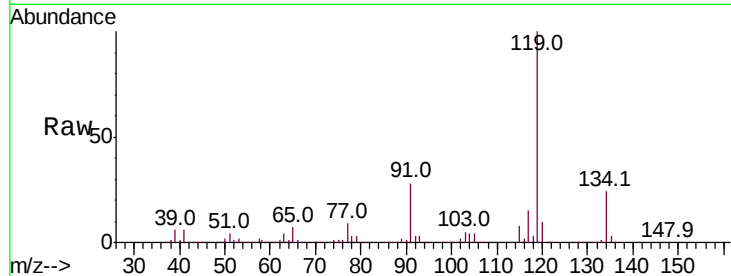
#69
 p-Isopropyltoluene
 Concen: 10.221 ppbv
 RT: 17.81 min Scan# 4625
 Delta R.T. -0.01 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.3	30.5
91	28.3	23.1	34.7

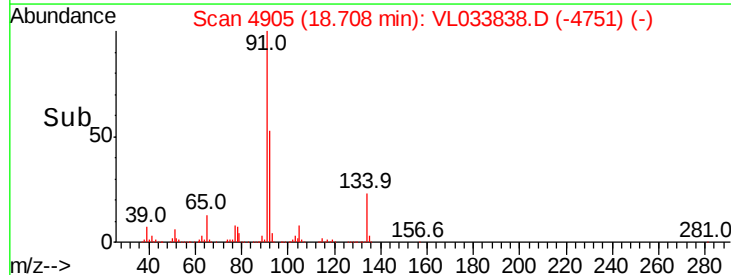
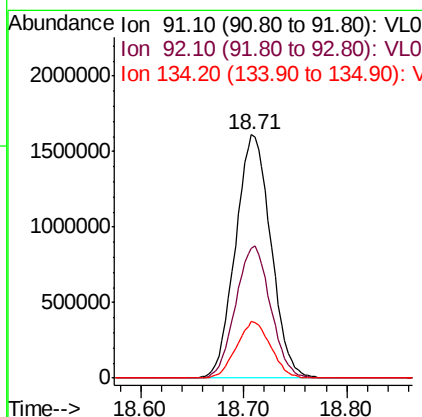
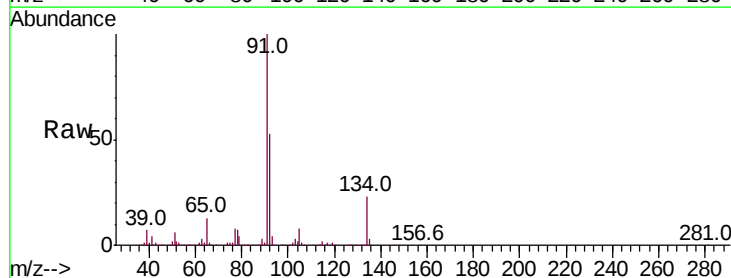
Manual Integrations
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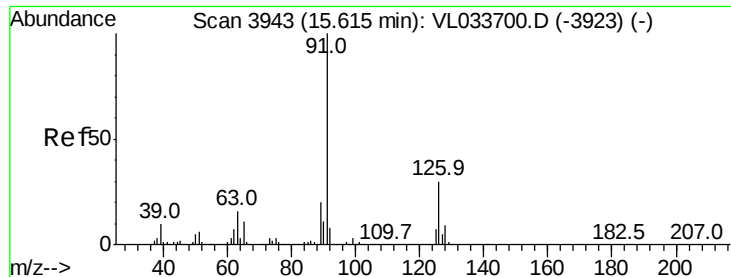
apatel
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#70
 n-Butylbenzene
 Concen: 9.705 ppbv
 RT: 18.71 min Scan# 4905
 Delta R.T. -0.01 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.7	42.6	63.8
134	22.6	18.1	27.1





#71

2-Chlorotoluene

Concen: 10.793 ppbv

RT: 15.61 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2795363

Ion Ratio Lower Upper

91 100

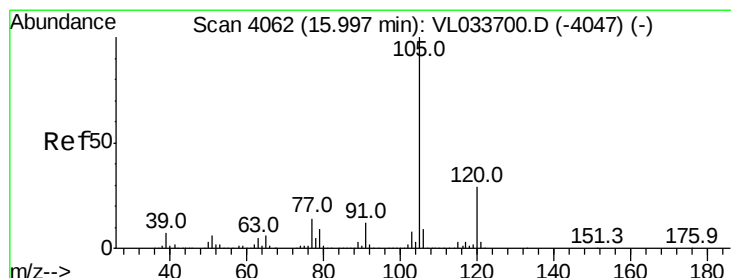
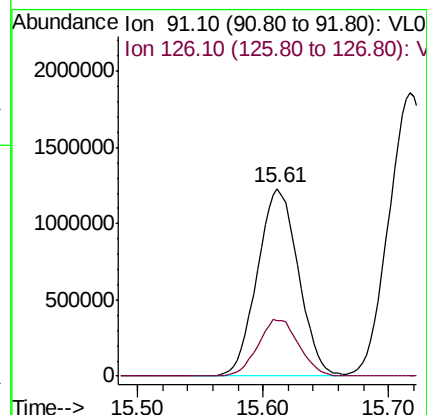
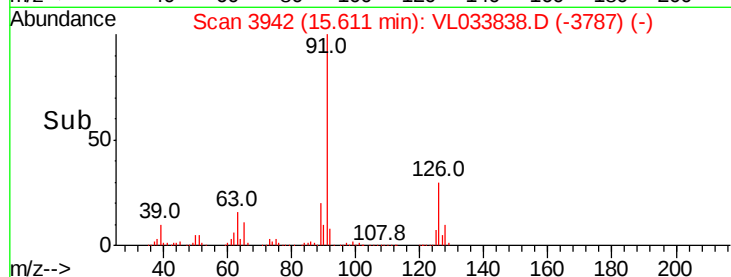
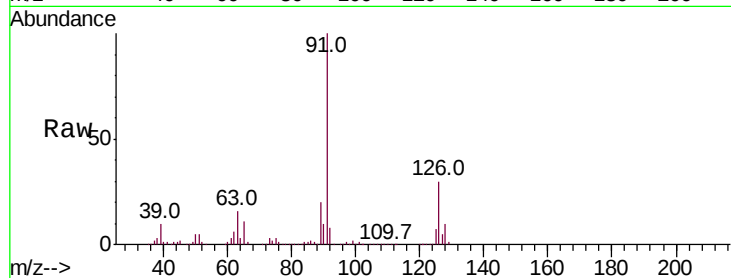
126 30.3 12.0 47.8

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#72

4-Ethyltoluene

Concen: 10.584 ppbv

RT: 15.99 min Scan# 4061

Delta R.T. -0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Tgt Ion:105 Resp: 3137054

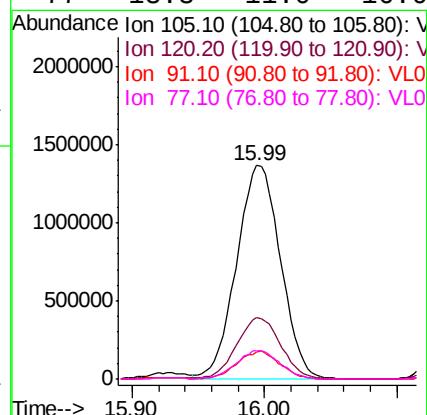
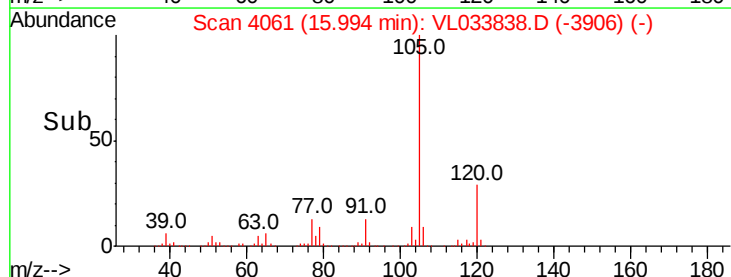
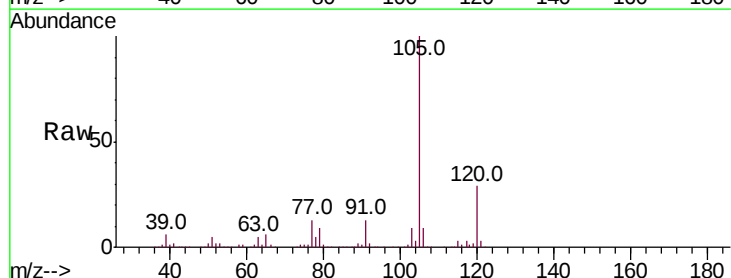
Ion Ratio Lower Upper

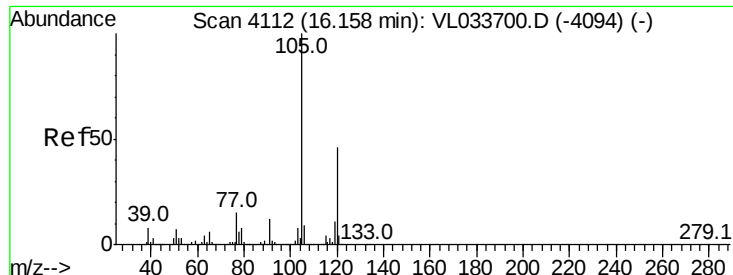
105 100

120 28.9 23.1 34.7

91 12.7 10.4 15.6

77 13.3 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 10.243 ppbv

RT: 16.15 min Scan# 4111

Delta R.T. -0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 2962235

Ion Ratio Lower Upper

105 100

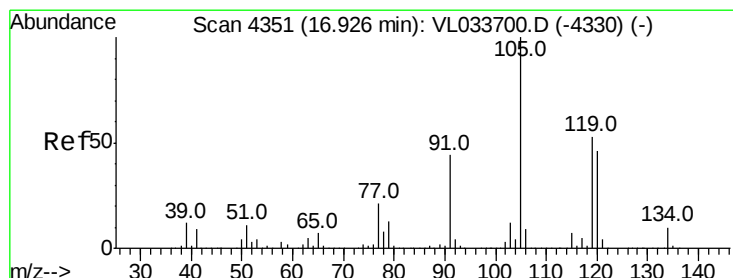
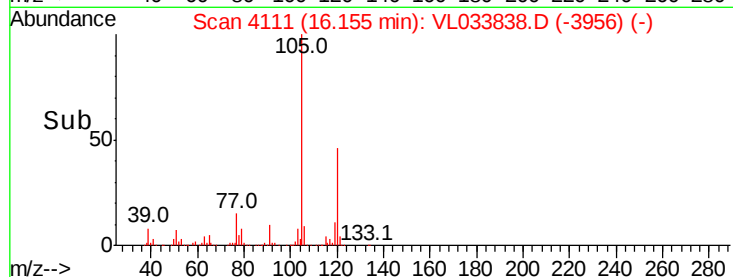
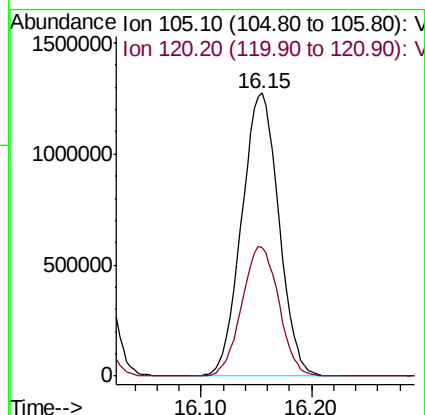
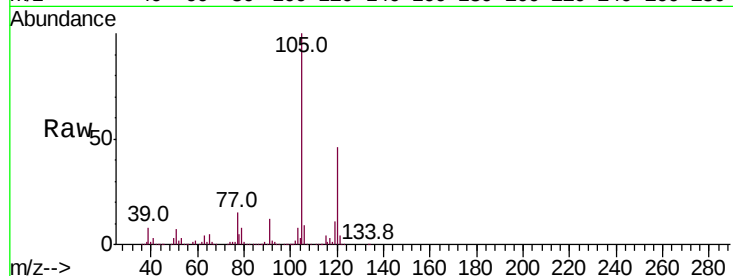
120 45.6 37.0 55.4

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#74

1,2,4-Trimethylbenzene

Concen: 9.449 ppbv

RT: 16.92 min Scan# 4349

Delta R.T. -0.01 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Tgt Ion:105 Resp: 2973916

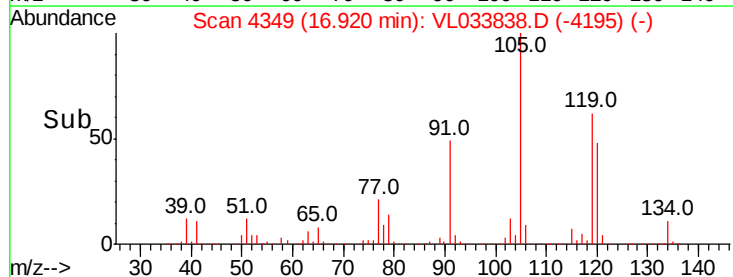
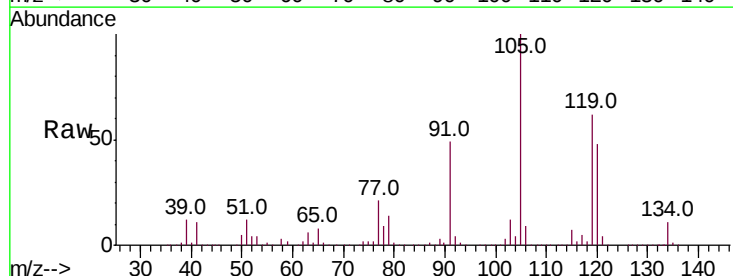
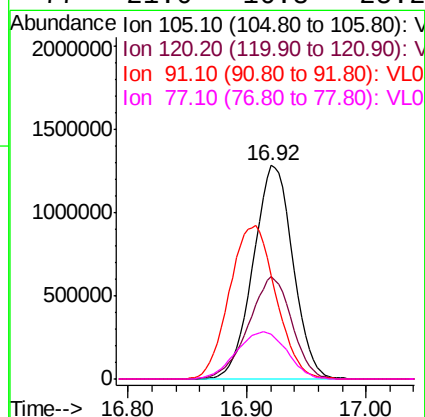
Ion Ratio Lower Upper

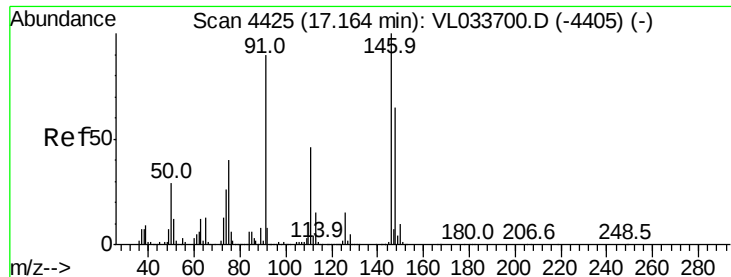
105 100

120 48.2 36.8 55.2

91 48.5 35.4 53.0

77 21.0 16.8 25.2





#75

1,3-Dichlorobenzene

Concen: 9.287 ppbv

RT: 17.16 min Scan# 4424

Delta R.T. -0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 1791067

Ion Ratio Lower Upper

146 100

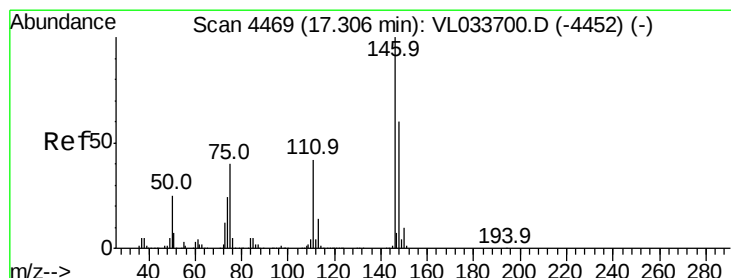
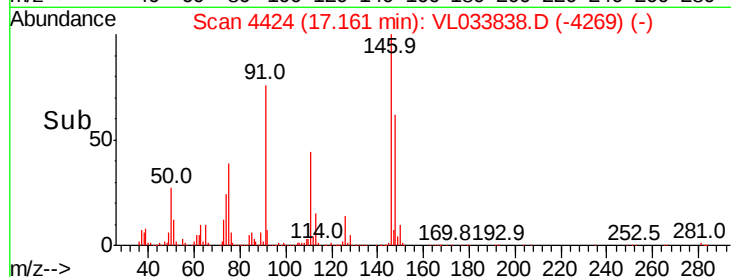
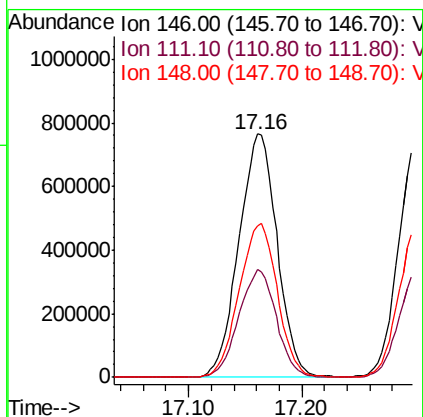
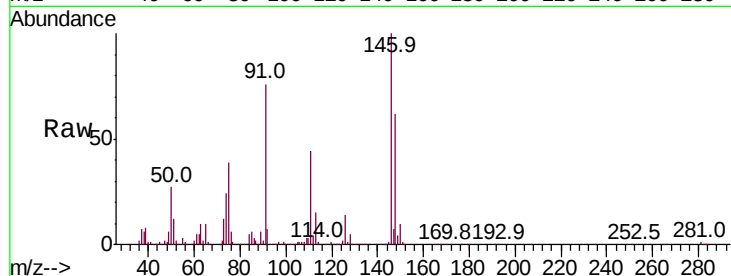
111 43.7 22.9 68.8

148 63.5 32.0 96.2

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#76

1,4-Dichlorobenzene

Concen: 9.772 ppbv

RT: 17.30 min Scan# 4467

Delta R.T. -0.01 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

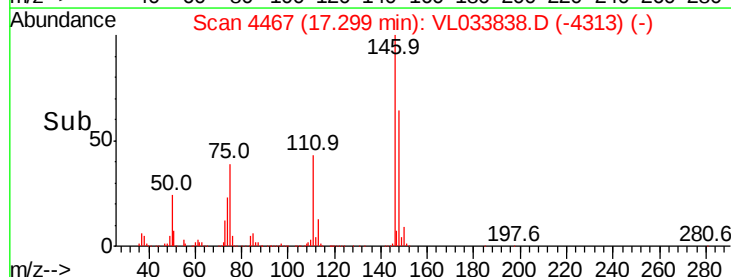
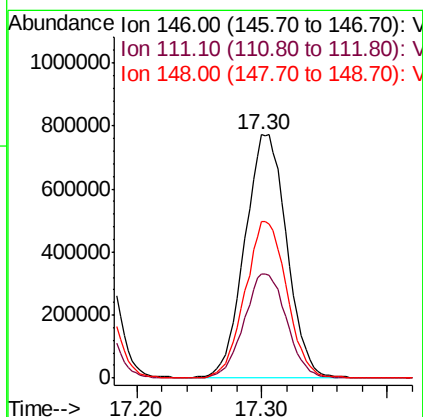
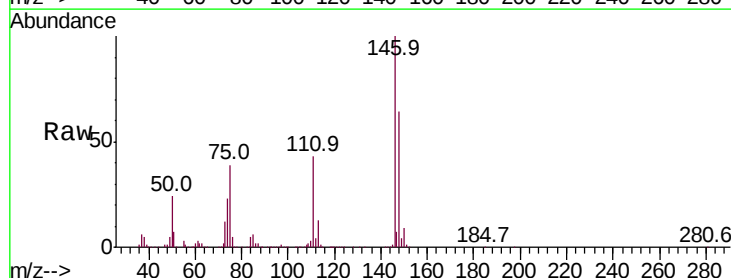
Tgt Ion:146 Resp: 1791130

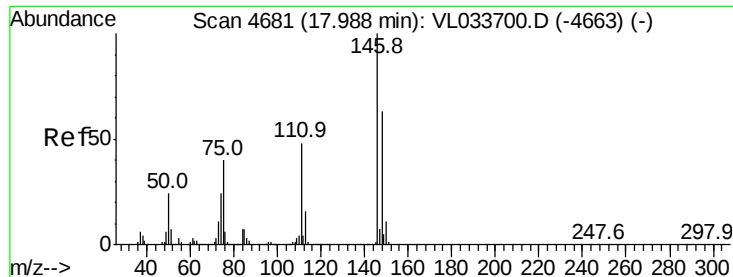
Ion Ratio Lower Upper

146 100

111 43.4 21.9 65.8

148 64.3 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 9.595 ppbv

RT: 17.98 min Scan# 4679

Delta R.T. -0.01 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

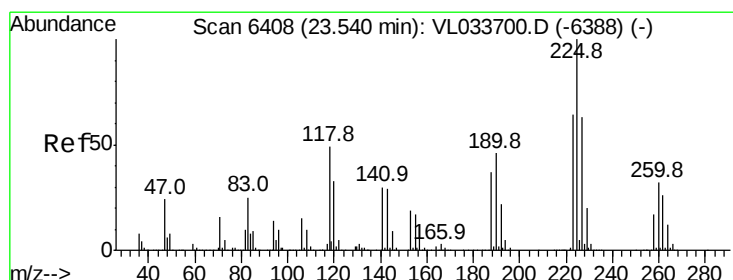
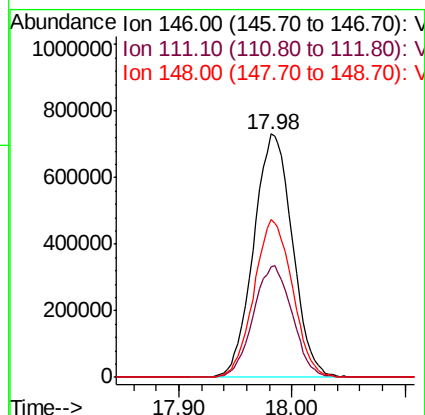
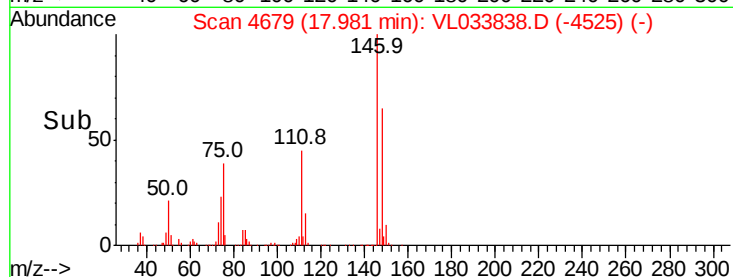
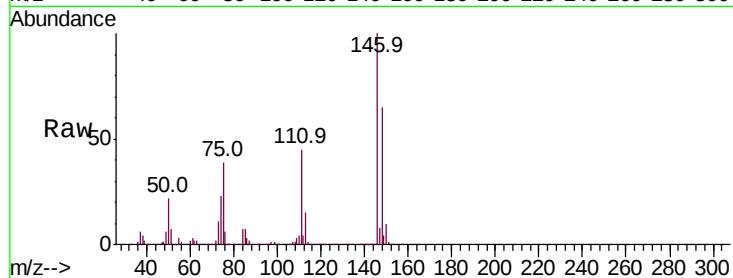
ClientSampleId :

VSTDCCC010EC

Tot Ion:	146	Resp:	1738737
Ion	Ratio	Lower	Upper
146	100		
111	46.0	23.5	70.5
148	64.5	32.1	96.3

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#78

Hexachloro-1,3-Butadiene

Concen: 8.691 ppbv

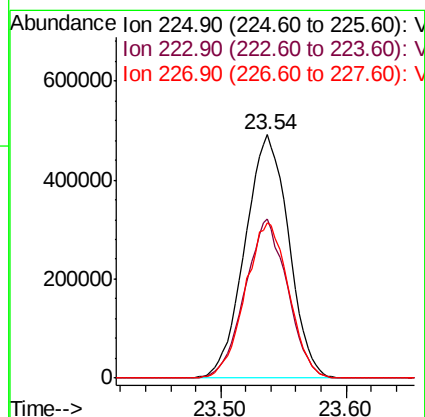
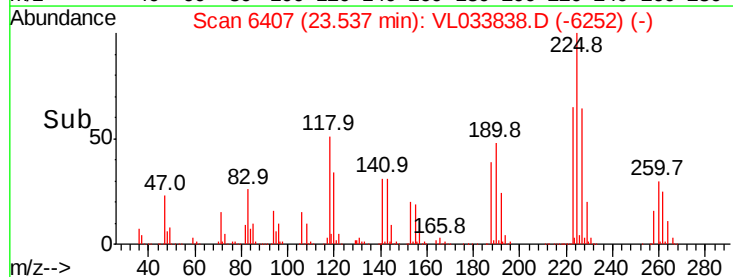
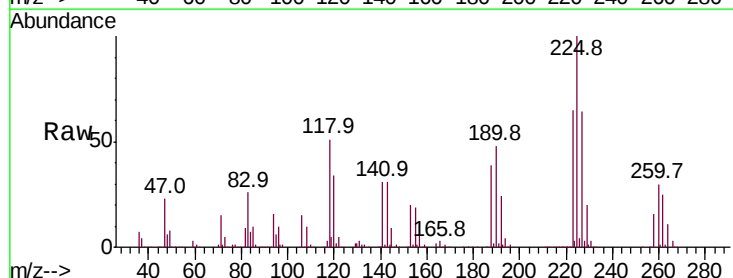
RT: 23.54 min Scan# 6407

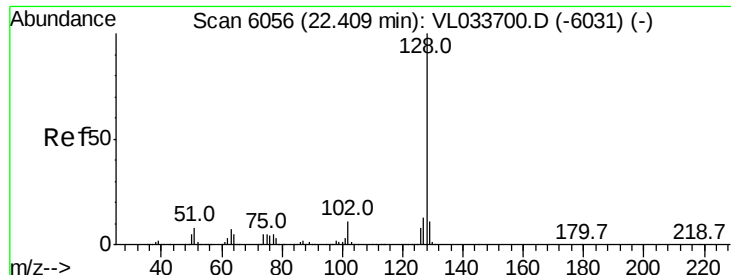
Delta R.T. -0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Tgt Ion:	225	Resp:	1190791
Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.2	75.4
227	63.6	50.7	76.1





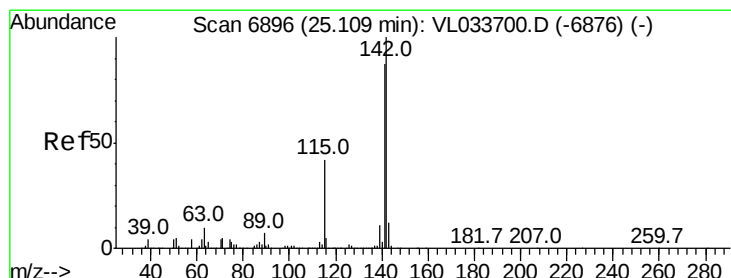
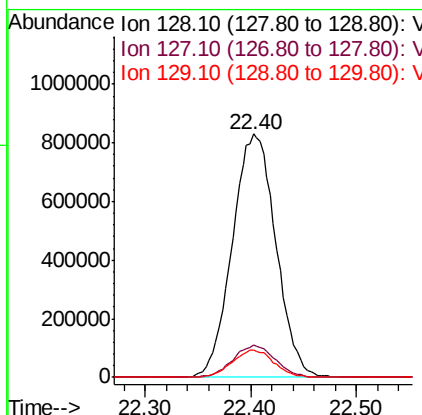
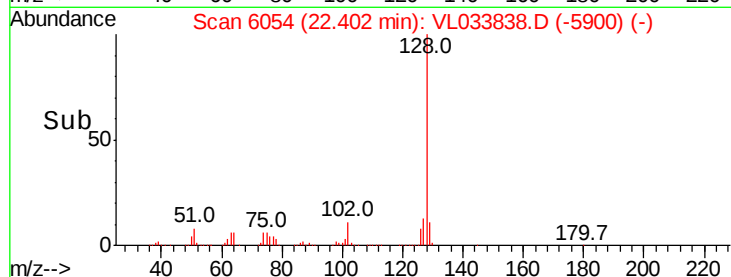
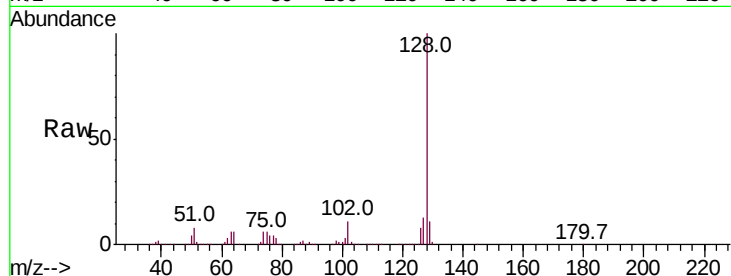
#79
Naphthalene
Concen: 8.079 ppbv
RT: 22.40 min Scan# 6054
Delta R.T. -0.01 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:128 Resp: 2361764
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 11.3 8.9 13.3

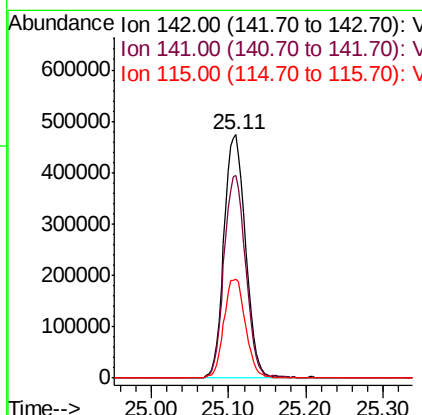
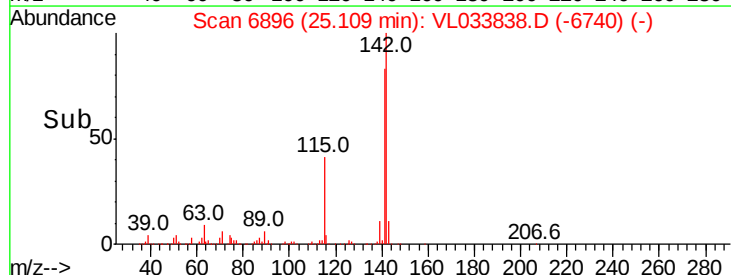
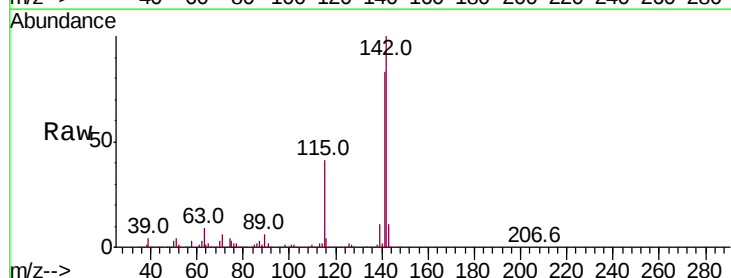
Manual Integrations
APPROVED

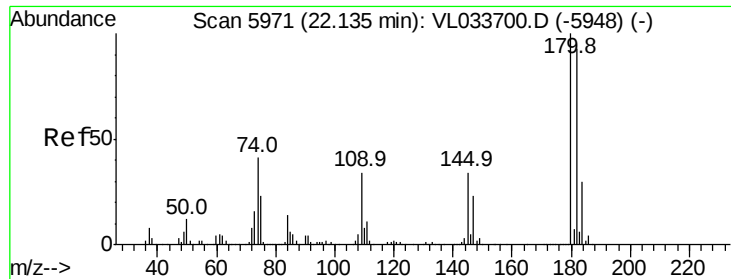
apatel
5/30/2019 3:34:33 PM



#80
Naphthalene, 2-methyl-
Concen: 8.274 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. 0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Tgt Ion:142 Resp: 919003
Ion Ratio Lower Upper
142 100
141 83.7 67.2 100.8
115 40.6 34.1 51.1





#81
 1,2,4-Trichlorobenzene
 Concen: 8.057 ppbv
 RT: 22.13 min Scan# 5969
 Delta R.T. -0.01 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

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
 5/30/2019 3:34:33 PM

