

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052919\
 Data File : VL033840.D
 Acq On : 29 May 2019 16:31
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
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 5/31/2019 12:45:08 PM

Quant Time: May 30 02:18:04 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	756427	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1877870	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2016520m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1544668	9.45	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	1193166	7.485	ppbv	100
3) Chlorodifluoromethane	3.01	51	948792	10.950	ppbv	100
4) Chloromethane	3.17	50	546127	11.020	ppbv	96
5) Vinyl Chloride	3.29	62	552229	10.939	ppbv	99
6) Bromomethane	3.51	94	340384	11.050	ppbv	100
7) Chloroethane	3.60	64	204506	11.399	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1406888	10.947	ppbv	99
9) Propene	3.03	41	416995	11.315	ppbv	99
10) Heptane	8.24	43	1061613	10.172	ppbv	100
11) Trichlorofluoromethane	4.00	101	1605461	10.552	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1096289	10.318	ppbv	98
13) Ethanol	3.64	45	94548	7.937	ppbv	100
14) Bromoethene	3.78	108	453875	11.620	ppbv	99
15) Acetone	3.89	43	994406	9.475	ppbv	100
16) 1,3-Butadiene	3.36	39	488812	11.696	ppbv	99
17) tert-Butyl alcohol	4.35	59	1010033	11.902	ppbv	100
18) 1,1-Dichloroethene	4.35	96	481392	10.735	ppbv	97
19) Isopropyl Alcohol	4.02	45	756925	11.186	ppbv	99
20) Methylene Chloride	4.40	84	411721	10.189	ppbv	97
21) Allyl Chloride	4.47	41	704432	10.761	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	501830	10.917	ppbv	96
23) Vinyl Acetate	5.15	43	1569074	11.339	ppbv	98
24) 1,1-Dichloroethane	5.09	63	1102787	10.484	ppbv	99
25) Ethyl Acetate	5.76	43	1883108	10.214	ppbv	100
26) Hexane	5.77	57	826618	10.429	ppbv	99
27) Carbon Disulfide	4.61	76	1197720	11.015	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1465114	11.339	ppbv	99
29) Chloroform	5.84	83	1442416	9.880	ppbv	98
30) Cyclohexane	7.24	84	709110	10.642	ppbv	99
31) cis-1,2-Dichloroethene	5.63	61	855012	10.880	ppbv	97
32) 1,1,1-Trichloroethane	6.61	97	1542234	10.580	ppbv	100
34) 2-Butanone	5.32	43	1238565	10.641	ppbv	99
35) Carbon Tetrachloride	7.13	117	1615079	10.737	ppbv	98
36) Benzene	7.00	78	1820442	10.657	ppbv	100
37) 1,2-Dichloroethane	6.41	62	1110867	10.081	ppbv	100
38) Trichloroethene	7.95	130	704989	11.122	ppbv	97
39) 1,2-Dichloropropane	7.73	63	659787	10.360	ppbv	99
40) 1,4-Dioxane	7.95	88	260721	9.786	ppbv #	100
41) Tetrahydrofuran	6.14	42	707359	10.846	ppbv	100
42) Bromodichloromethane	7.91	83	1566011	10.381	ppbv	99
43) Methyl Methacrylate	8.13	69	688898	10.958	ppbv	99

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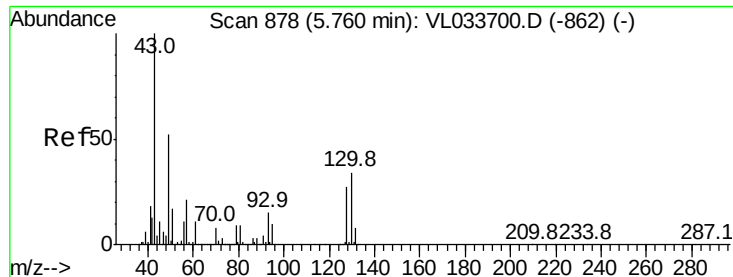
Manual Integrations
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Quant Time: May 30 02:18:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 1
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	2931465	10.154	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	924625	11.602	ppbv	100
46) cis-1,3-Dichloropropene	8.83	75	1052091	11.274	ppbv	96
47) 1,1,2-Trichloroethane	9.61	97	716827	9.908	ppbv	96
48) Dibromochloromethane	10.45	129	1333759	10.639	ppbv	99
49) Bromoform	13.20	173	1242708	11.781	ppbv	100
50) 4-Methyl-2-Pentanone	8.86	43	1857867	10.377	ppbv	99
51) 2-Hexanone	10.26	43	1543261	11.044	ppbv #	99
52) Tetrachloroethene	11.37	164	681479	11.349	ppbv	98
53) Toluene	9.94	91	2028670	11.011	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1147633	10.394	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.27	131	910287	9.755	ppbv	98
57) Chlorobenzene	12.30	112	1611538	9.709	ppbv	100
58) Ethyl Benzene	12.86	91	2930297	10.973	ppbv	100
59) m/p-Xylene	13.14	91	4853967m	20.794	ppbv	
60) o-Xylene	13.84	91	2427656	10.317	ppbv	99
61) Styrene	13.68	104	1816697	11.467	ppbv	100
62) Isopropylbenzene	14.82	105	3254040	10.268	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	1706114	9.970	ppbv	99
64) n-propylbenzene	15.72	120	850342	10.374	ppbv	98
65) tert-Butylbenzene	16.90	119	2936295	10.148	ppbv	100
66) Benzyl Chloride	17.15	91	1470852	10.673	ppbv	100
67) sec-Butylbenzene	17.45	105	4087688	10.094	ppbv	99
69) p-Isopropyltoluene	17.81	119	3472483	10.374	ppbv	99
70) n-Butylbenzene	18.71	91	3639655	10.140	ppbv	99
71) 2-Chlorotoluene	15.61	91	2458207	10.455	ppbv	100
72) 4-Ethyltoluene	15.99	105	2918284	10.847	ppbv	100
73) 1,3,5-Trimethylbenzene	16.15	105	2781086	10.594	ppbv	100
74) 1,2,4-Trimethylbenzene	16.92	105	2821165	9.875	ppbv	96
75) 1,3-Dichlorobenzene	17.16	146	1626084	9.288	ppbv	100
76) 1,4-Dichlorobenzene	17.30	146	1615892	9.711	ppbv	100
77) 1,2-Dichlorobenzene	17.98	146	1601204	9.734	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	916484	7.369	ppbv	99
79) Naphthalene	22.40	128	2214262	8.344	ppbv	98
80) Naphthalene, 2-methyl-	25.11	142	801276	7.947	ppbv	99
81) 1,2,4-Trichlorobenzene	22.13	180	1295352	8.336	ppbv	99

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



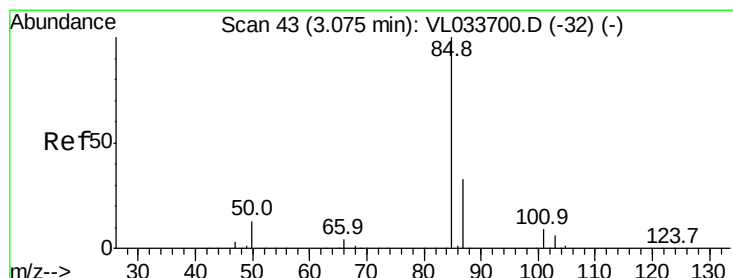
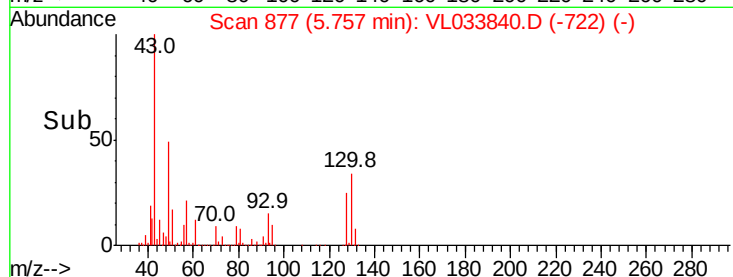
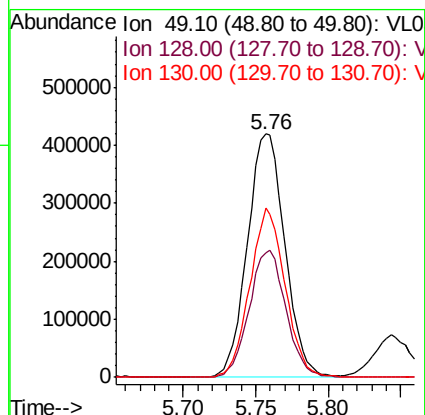
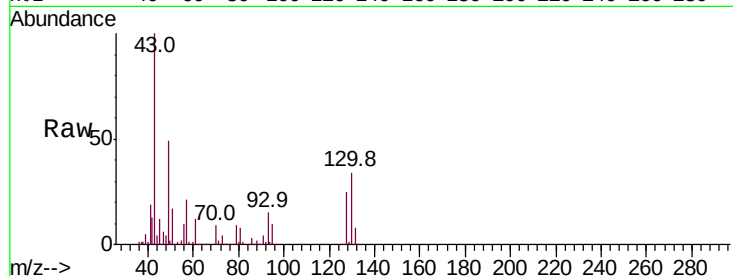
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Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampled :
VSTDCCC010

Tot Ion: 49 Resp: 756427
Ion Ratio Lower Upper
49 100
128 51.2 25.2 75.6
130 65.4 32.5 97.5

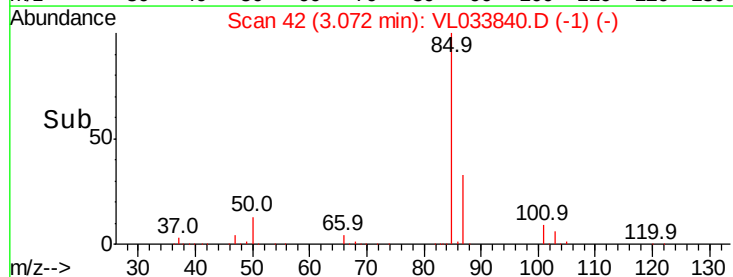
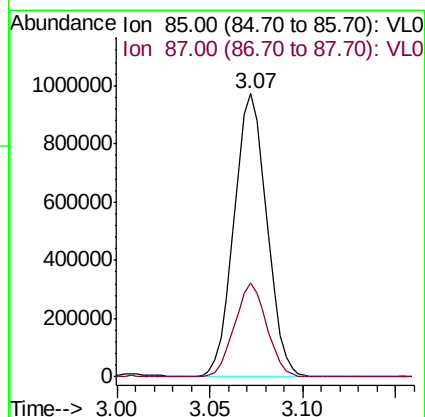
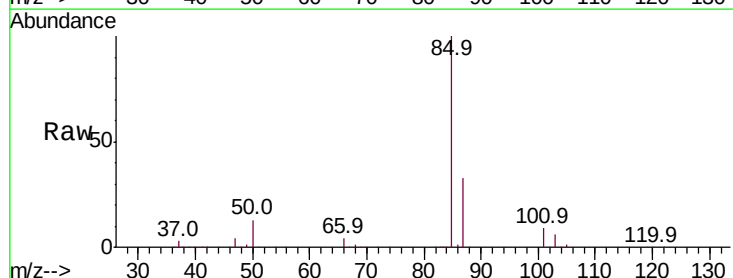
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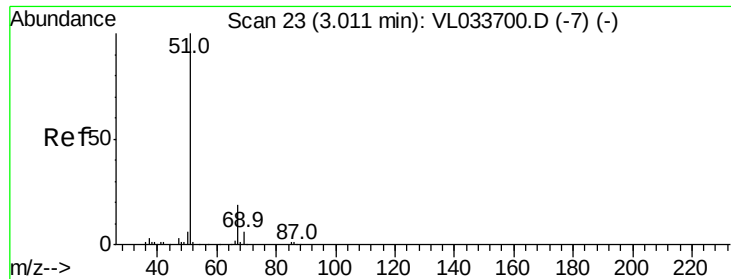
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#2
Dichlorodifluoromethane
Concen: 7.485 ppbv
RT: 3.07 min Scan# 42
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 85 Resp: 1193166
Ion Ratio Lower Upper
85 100
87 33.0 26.3 39.5





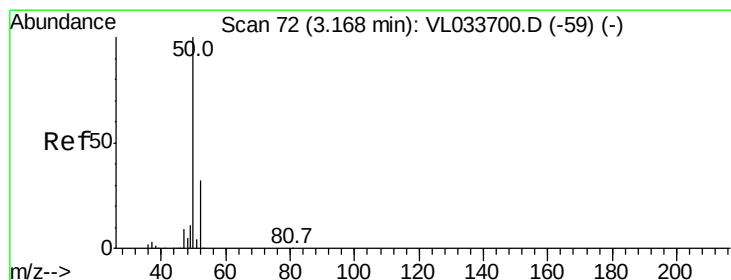
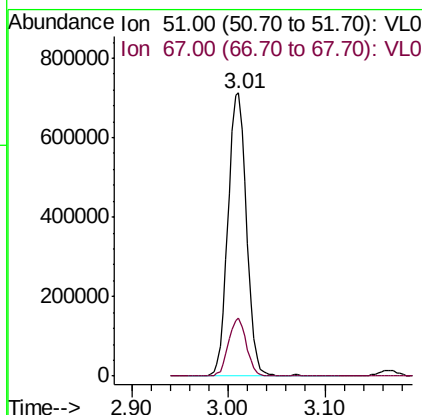
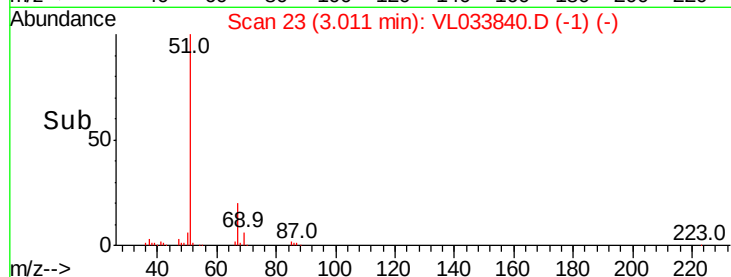
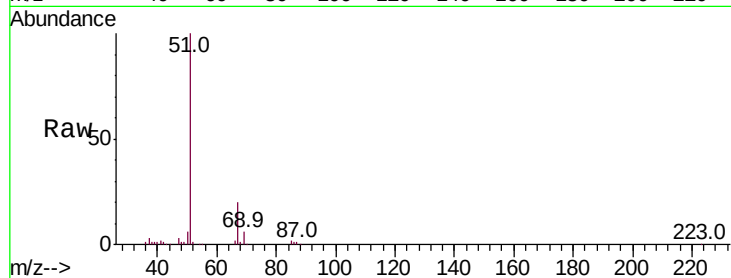
#3
 Chlorodifluoromethane
 Concen: 10.950 ppbv
 RT: 3.01 min Scan# 23
 Delta R.T. 0.00 min
 Lab File: VL033840.D
 Acq: 29 May 2019 16:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 51 Resp: 948792
 Ion Ratio Lower Upper
 51 100
 67 19.7 15.6 23.4

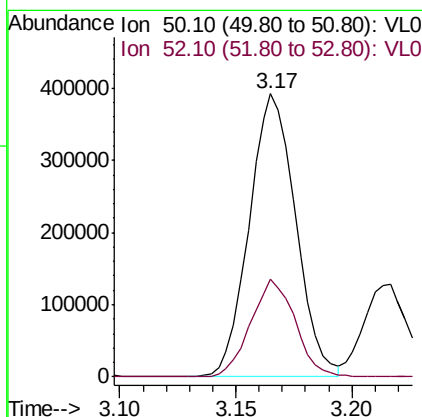
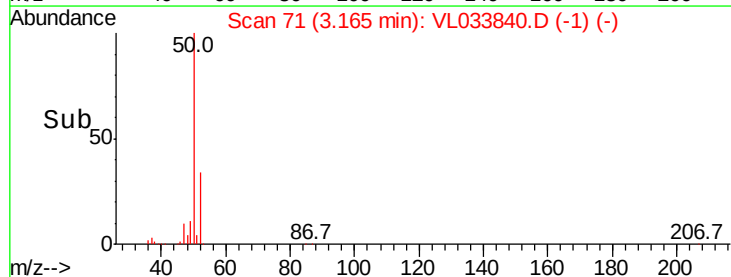
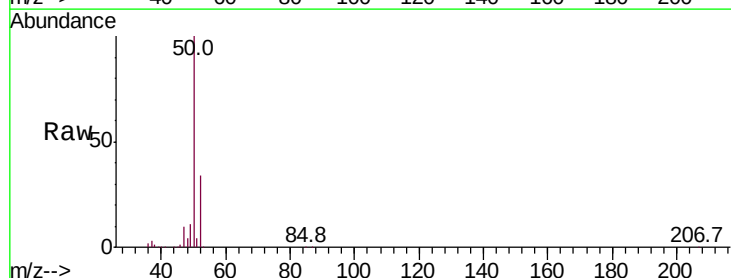
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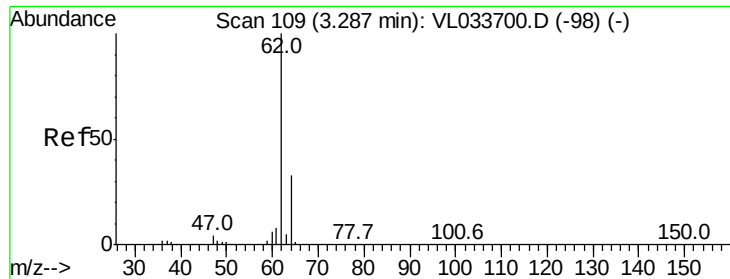
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#4
 Chloromethane
 Concen: 11.020 ppbv
 RT: 3.17 min Scan# 71
 Delta R.T. -0.00 min
 Lab File: VL033840.D
 Acq: 29 May 2019 16:31

Tgt Ion: 50 Resp: 546127
 Ion Ratio Lower Upper
 50 100
 52 34.5 25.7 38.5





#5

Vinyl Chloride

Concen: 10.939 ppbv

RT: 3.29 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 552229

Ion Ratio Lower Upper

62 100

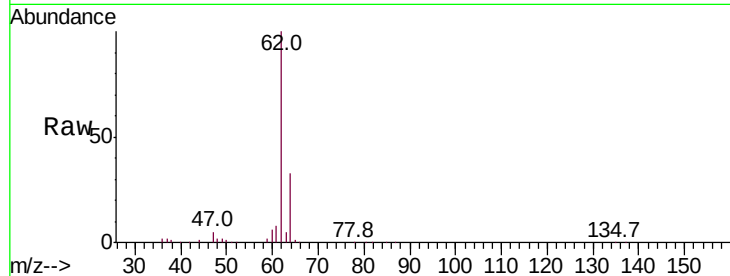
64 33.4 26.4 39.6

Manual Integrations

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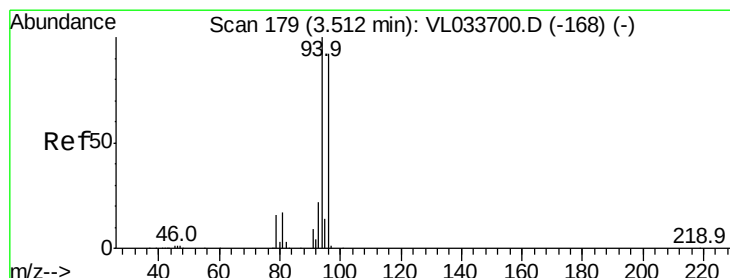
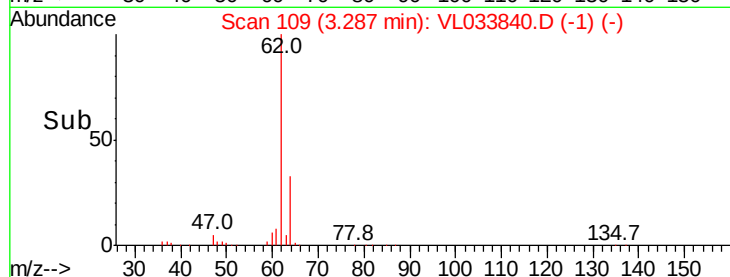
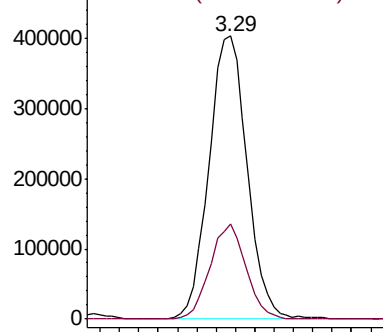
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 11.050 ppbv

RT: 3.51 min Scan# 178

Delta R.T. -0.00 min

Lab File: VL033840.D

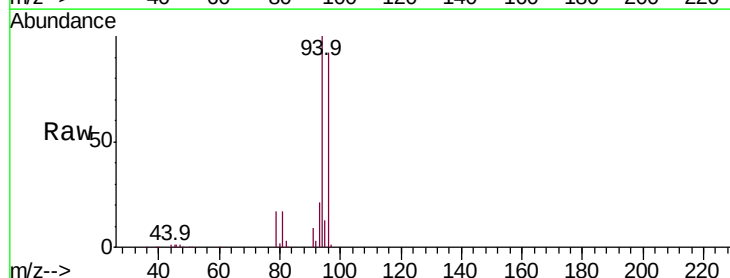
Acq: 29 May 2019 16:31

Tgt Ion: 94 Resp: 340384

Ion Ratio Lower Upper

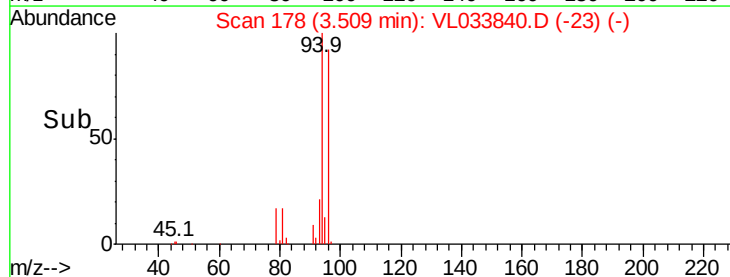
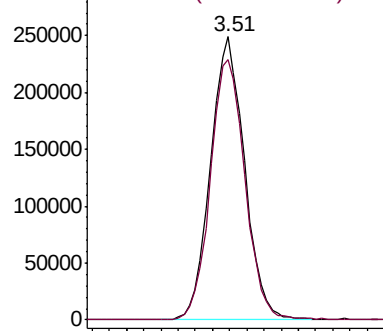
94 100

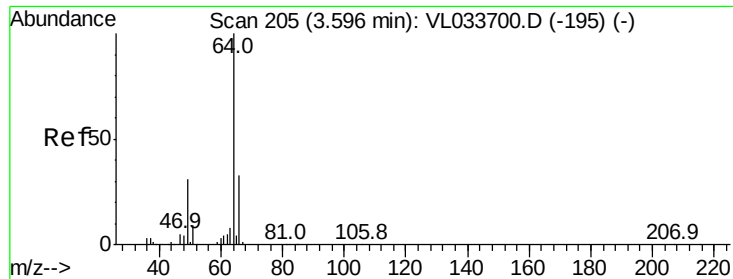
96 92.2 73.6 110.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 11.399 ppbv

RT: 3.60 min Scan# 205

Delta R.T. 0.00 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 204506

Ion Ratio Lower Upper

64 100

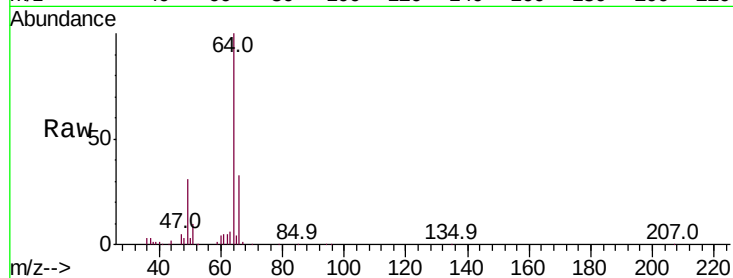
66 32.9 26.6 40.0

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.60

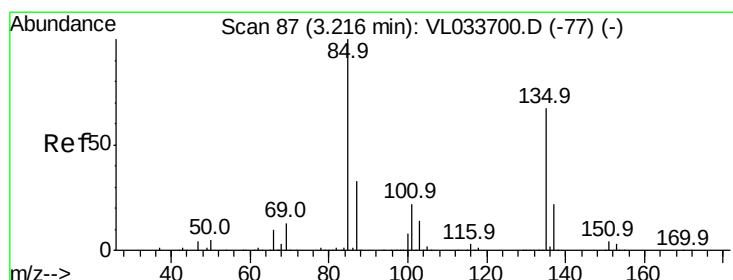
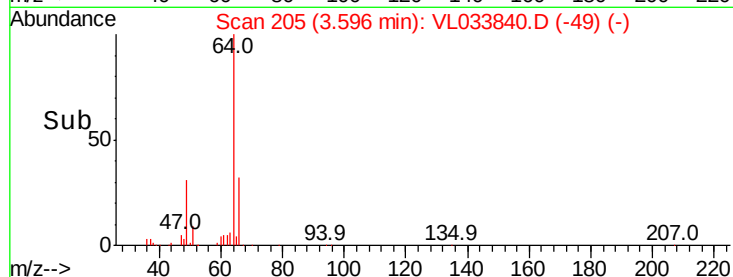
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.947 ppbv

RT: 3.22 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL033840.D

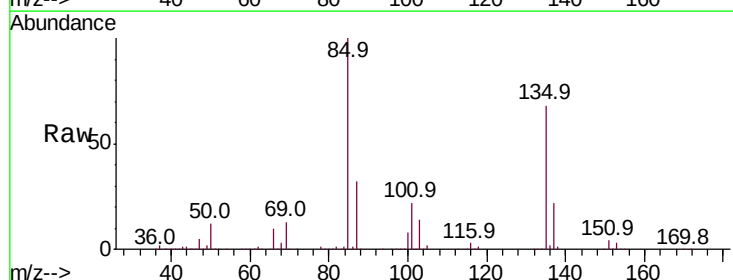
Acq: 29 May 2019 16:31

Tgt Ion: 85 Resp: 1406888

Ion Ratio Lower Upper

85 100

135 67.5 54.5 81.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.22

1200000

1000000

800000

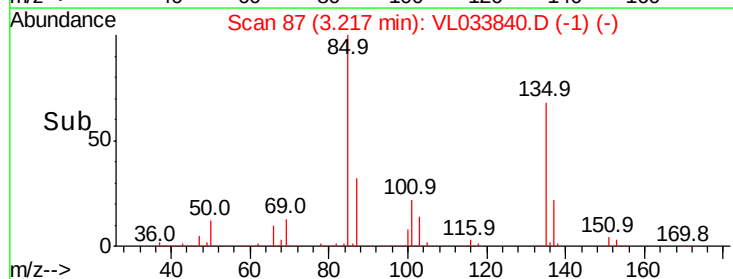
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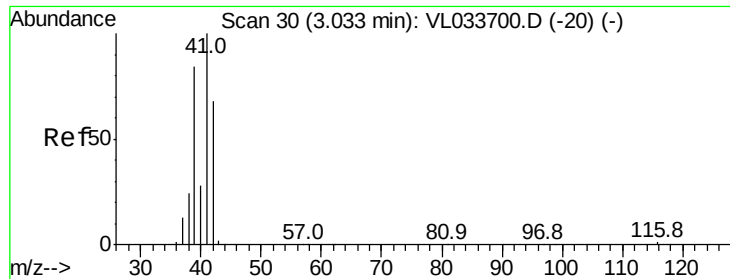
400000

200000

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Time-->





#9

Propene

Concen: 11.315 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.00 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 416995

Ion Ratio Lower Upper

41 100

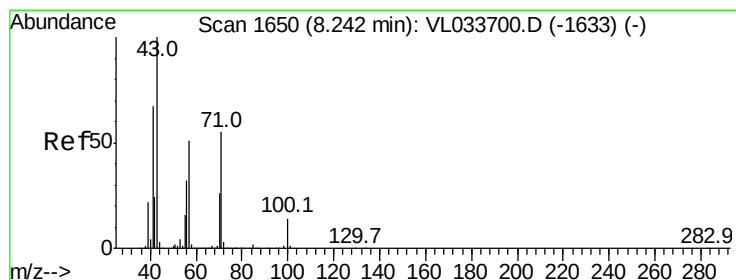
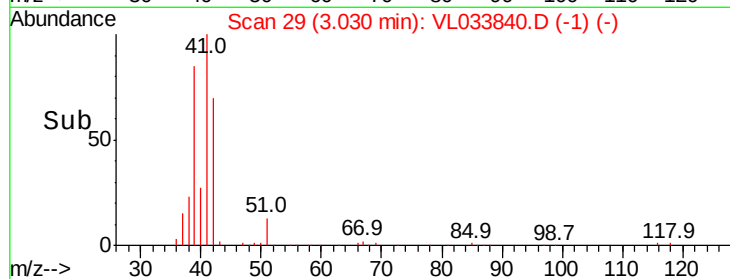
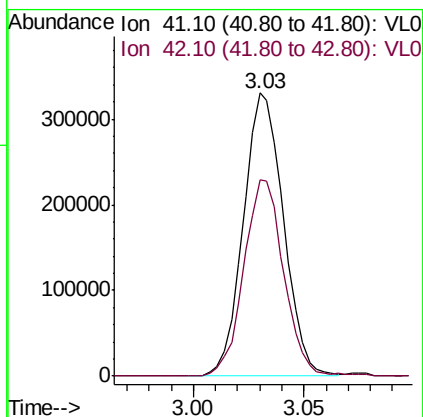
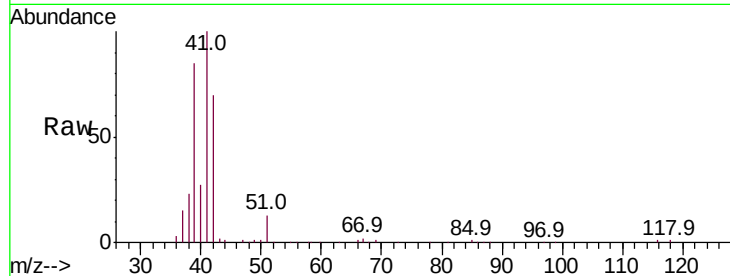
42 69.5 56.1 84.1

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#10

Heptane

Concen: 10.172 ppbv

RT: 8.24 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VL033840.D

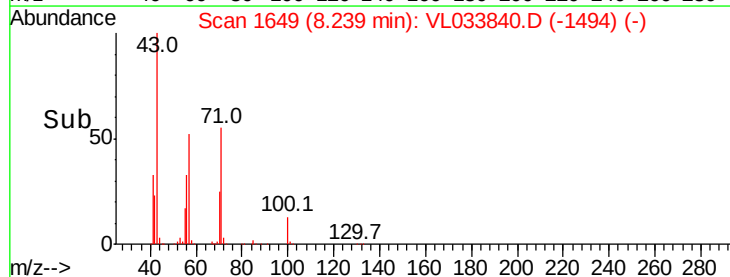
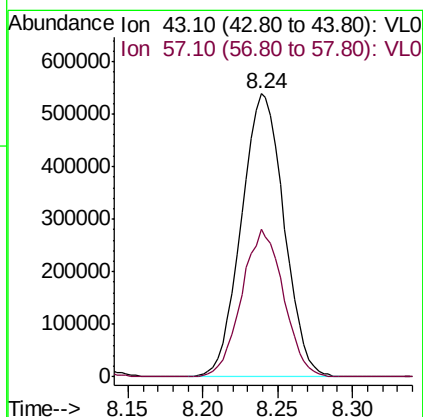
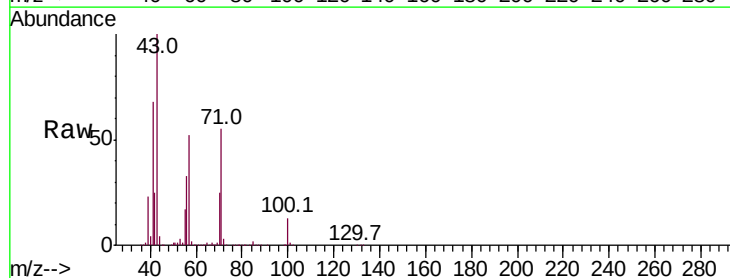
Acq: 29 May 2019 16:31

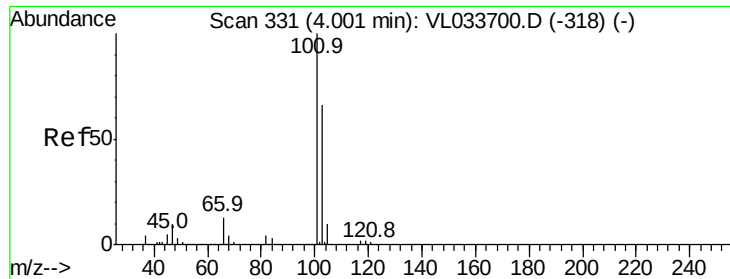
Tgt Ion: 43 Resp: 1061613

Ion Ratio Lower Upper

43 100

57 51.5 41.4 62.0





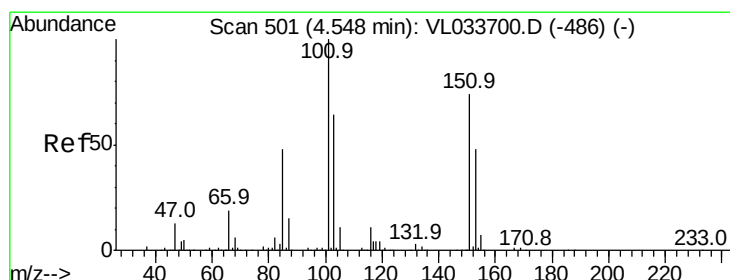
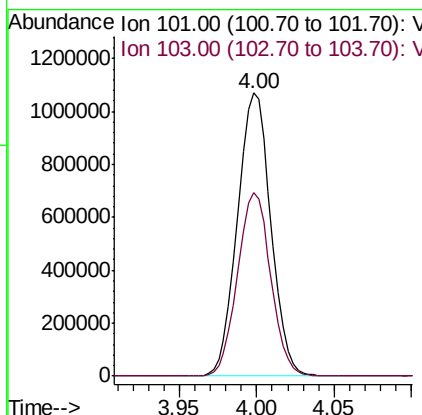
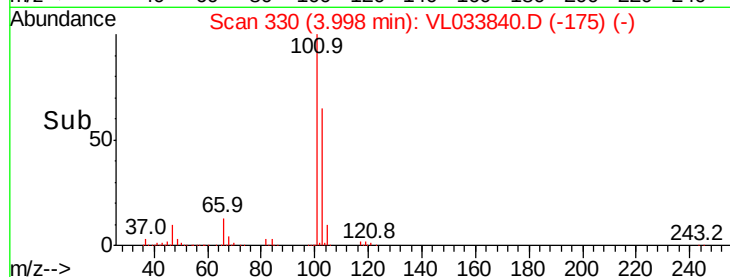
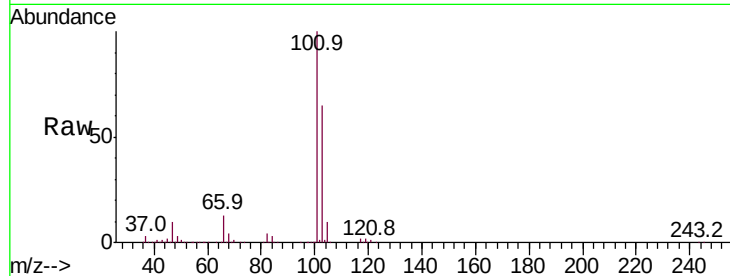
#11
 Trichlorofluoromethane
 Concen: 10.552 ppbv
 RT: 4.00 min Scan# 330
 Delta R.T. -0.00 min
 Lab File: VL033840.D
 Acq: 29 May 2019 16:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1605461
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.6 78.8

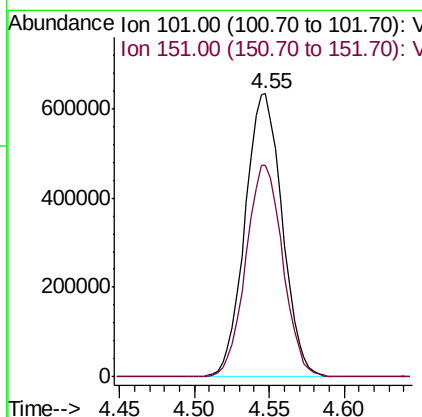
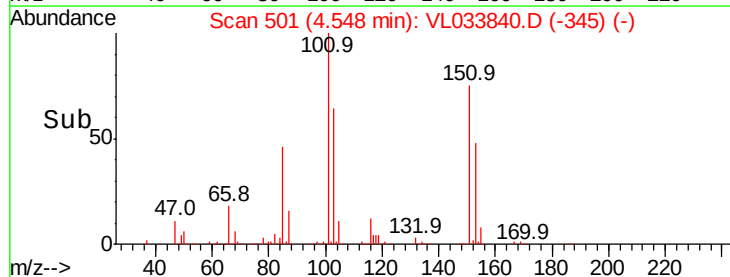
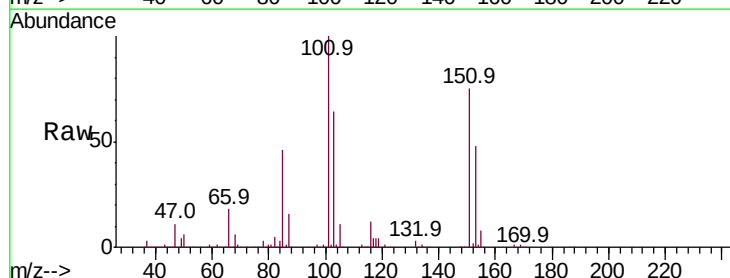
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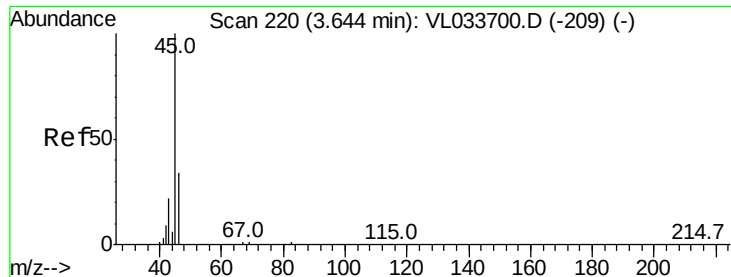
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.318 ppbv
 RT: 4.55 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VL033840.D
 Acq: 29 May 2019 16:31

Tgt Ion:101 Resp: 1096289
 Ion Ratio Lower Upper
 101 100
 151 74.3 58.2 87.4





#13

Ethanol

Concen: 7.937 ppbv

RT: 3.64 min Scan# 220

Delta R.T. 0.00 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 94548

Ion Ratio Lower Upper

45 100

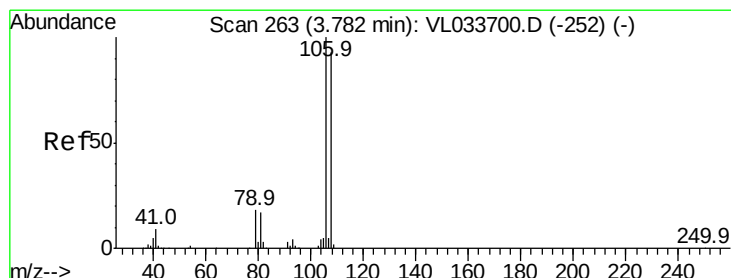
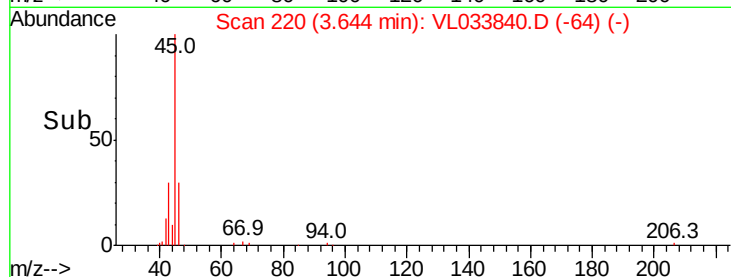
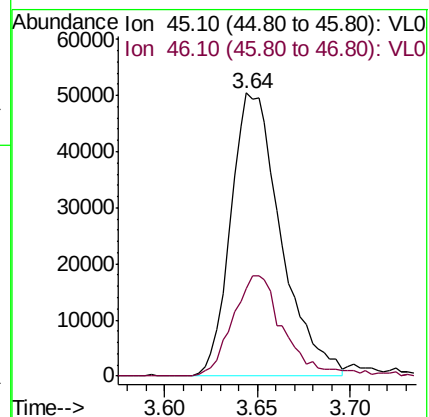
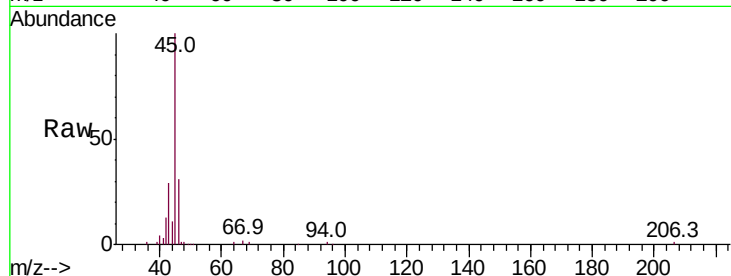
46 36.7 14.8 59.0

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#14

Bromoethene

Concen: 11.620 ppbv

RT: 3.78 min Scan# 263

Delta R.T. 0.00 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

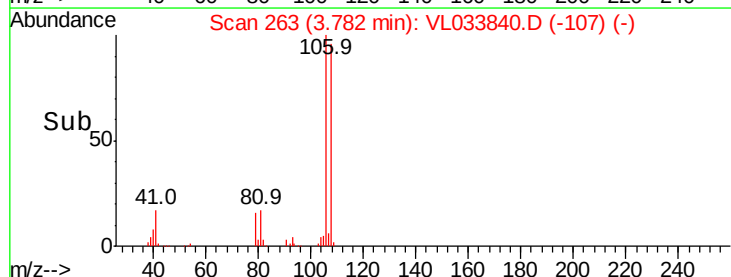
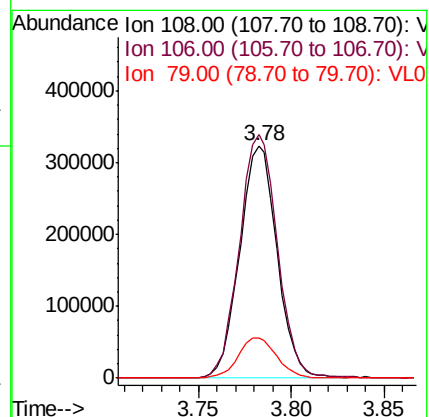
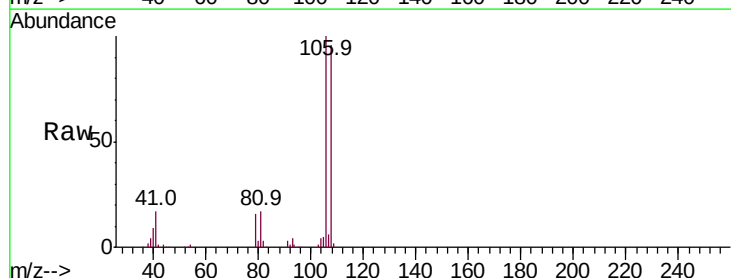
Tgt Ion: 108 Resp: 453875

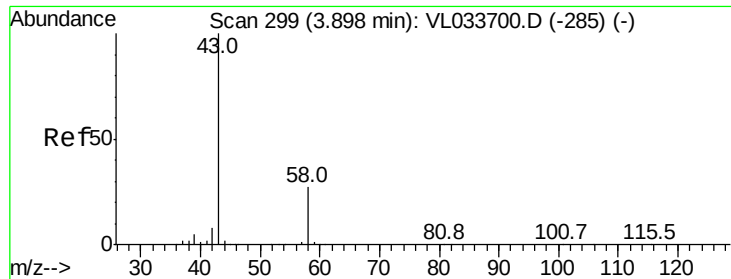
Ion Ratio Lower Upper

108 100

106 106.8 86.5 129.7

79 18.1 15.1 22.7





#15

Acetone

Concen: 9.475 ppbv

RT: 3.89 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 994406

Ion Ratio Lower Upper

43 100

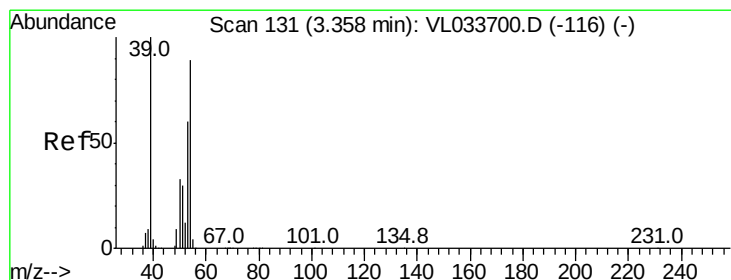
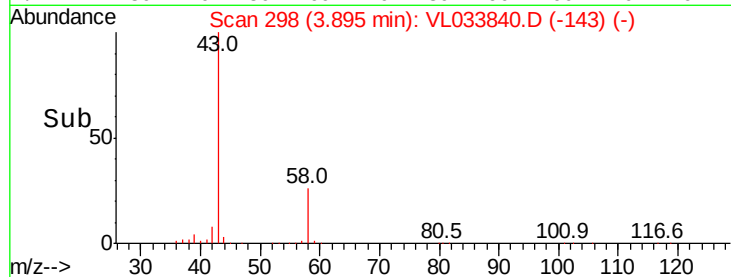
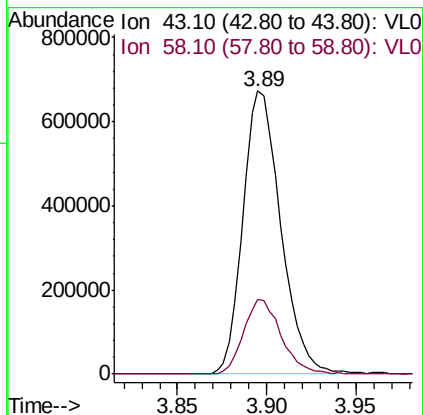
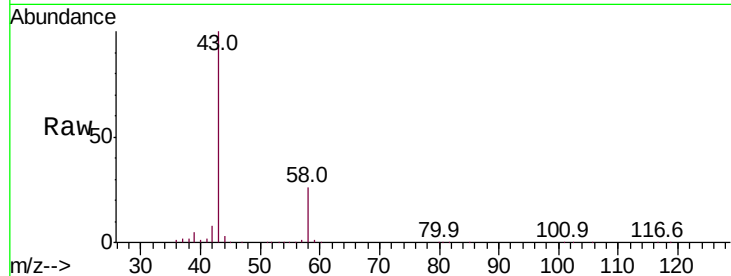
58 26.4 21.3 31.9

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#16

1,3-Butadiene

Concen: 11.696 ppbv

RT: 3.36 min Scan# 131

Delta R.T. 0.00 min

Lab File: VL033840.D

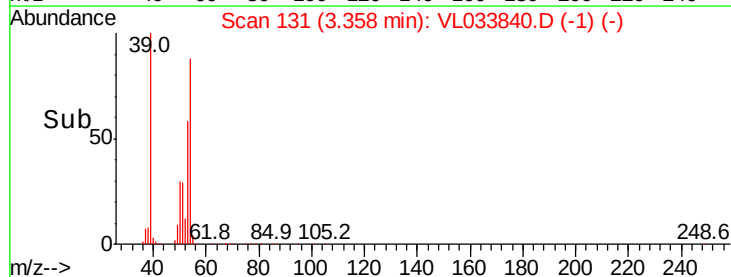
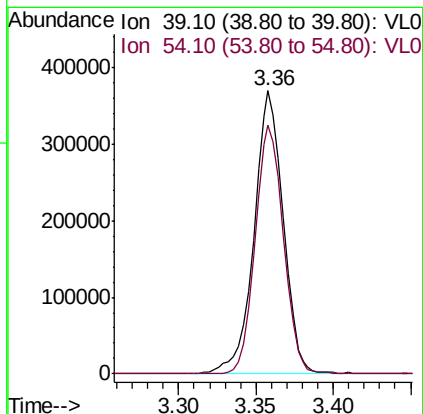
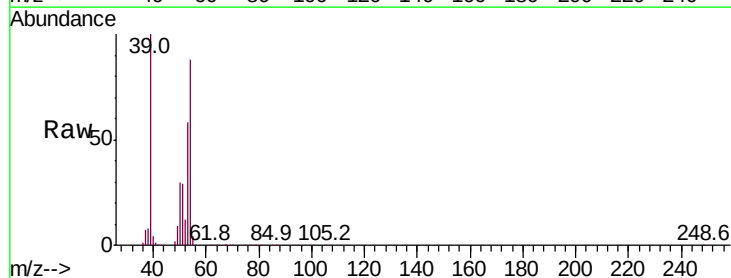
Acq: 29 May 2019 16:31

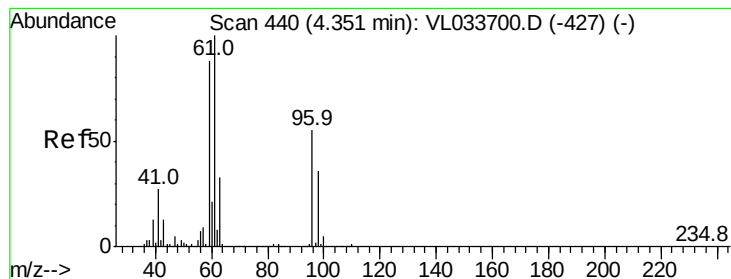
Tgt Ion: 39 Resp: 488812

Ion Ratio Lower Upper

39 100

54 85.3 69.0 103.6





#17

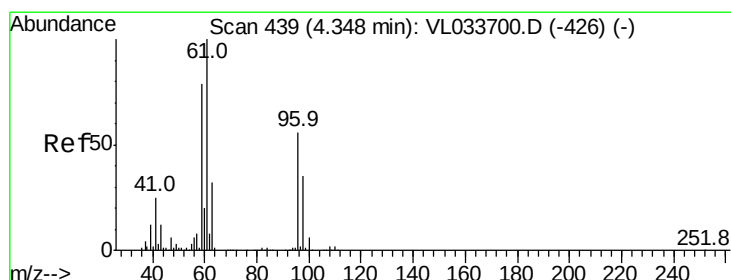
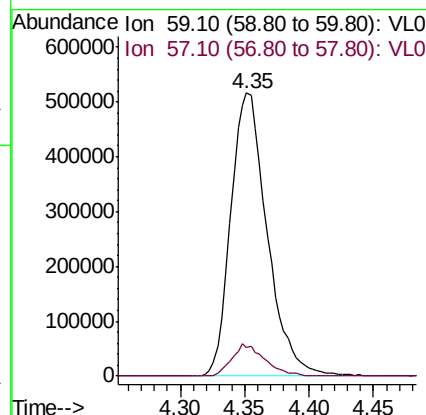
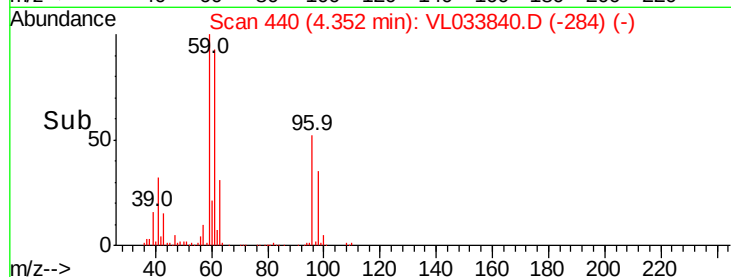
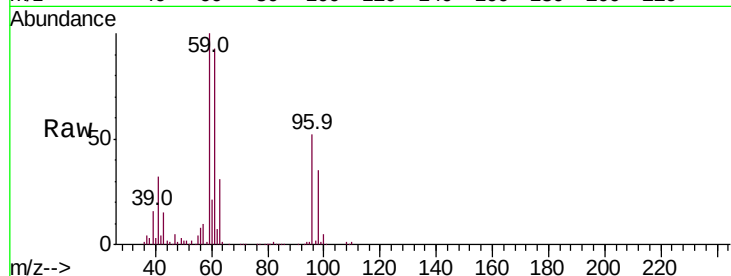
tert-Butyl alcohol
Concen: 11.902 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampled :
VSTDCCC010

Tot Ion: 59 Resp: 1010033
Ion Ratio Lower Upper
59 100
57 10.4 8.4 12.6

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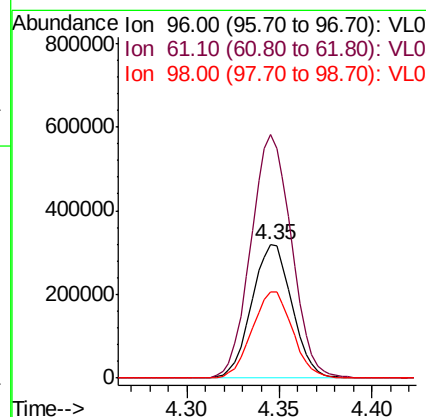
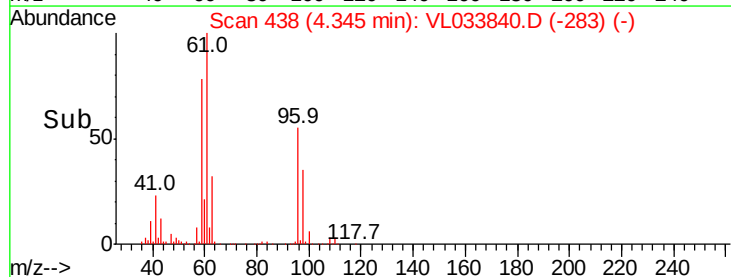
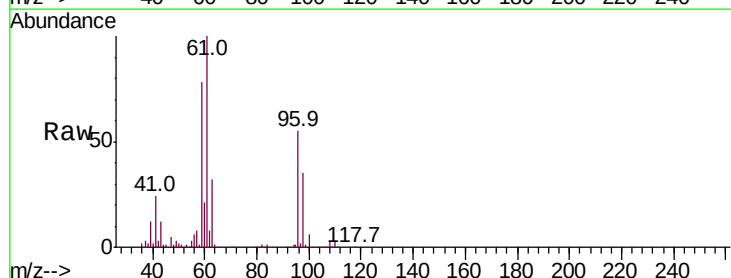
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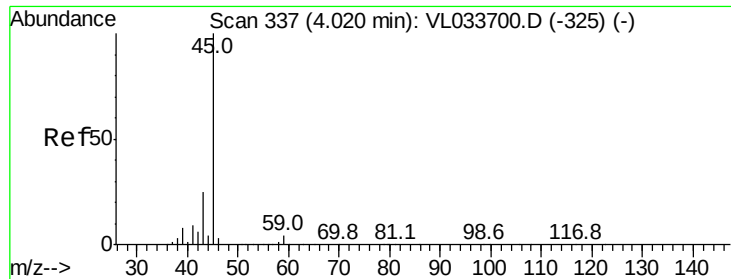


#18

1,1-Dichloroethene
Concen: 10.735 ppbv
RT: 4.35 min Scan# 438
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 96 Resp: 481392
Ion Ratio Lower Upper
96 100
61 182.9 143.1 214.7
98 64.5 49.5 74.3





#19

Isopropyl Alcohol

Concen: 11.186 ppbv

RT: 4.02 min Scan# 337

Delta R.T. 0.00 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 756925

Ion Ratio Lower Upper

45 100

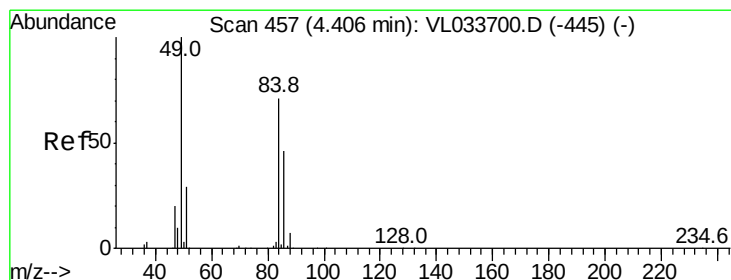
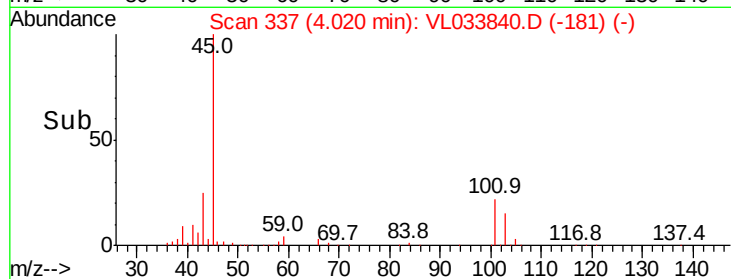
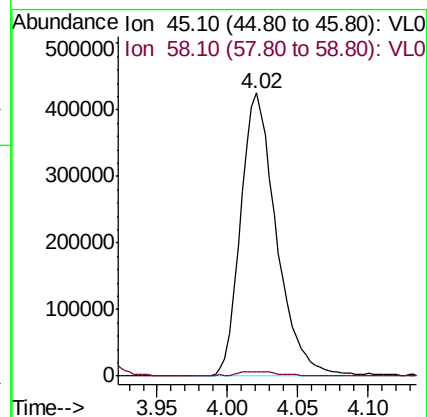
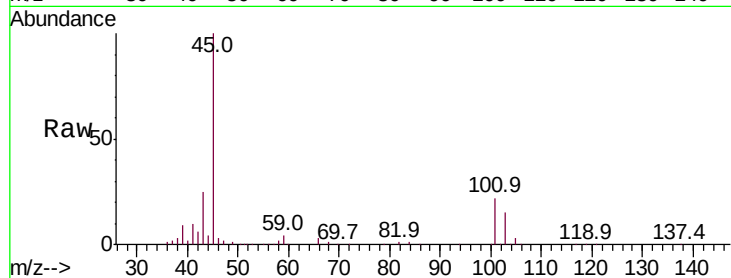
58 2.2 1.6 2.4

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#20

Methylene Chloride

Concen: 10.189 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.00 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Tgt Ion: 84 Resp: 411721

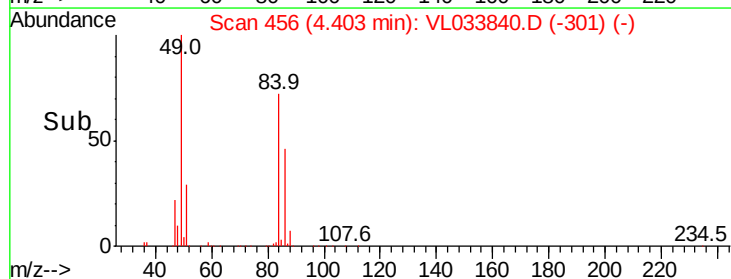
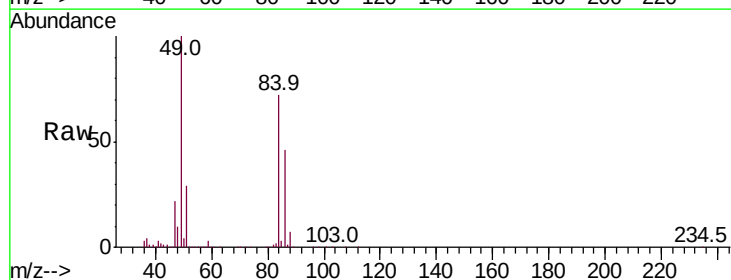
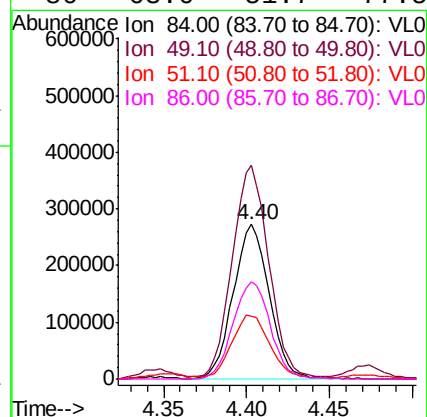
Ion Ratio Lower Upper

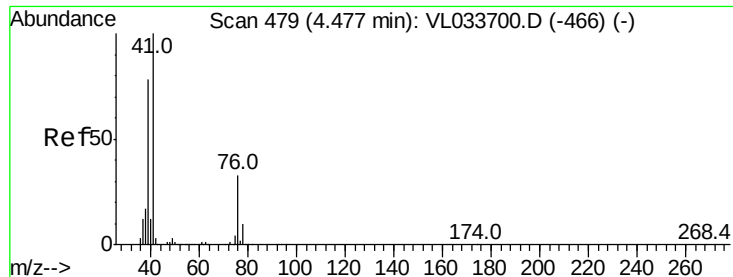
84 100

49 136.7 112.8 169.2

51 39.2 33.4 50.0

86 63.0 51.7 77.5





#21

Allvl Chloride

Concen: 10.761 ppbv

RT: 4.47 min Scan# 477

Delta R.T. -0.01 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Instrument :

MSVOA_L

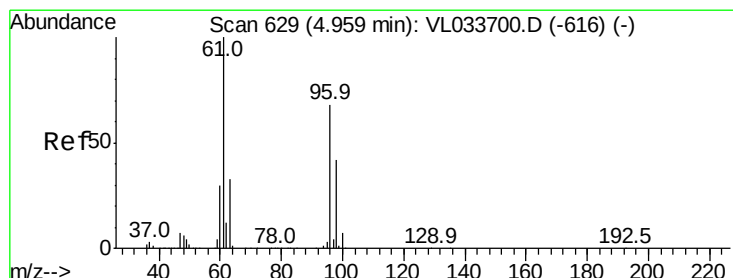
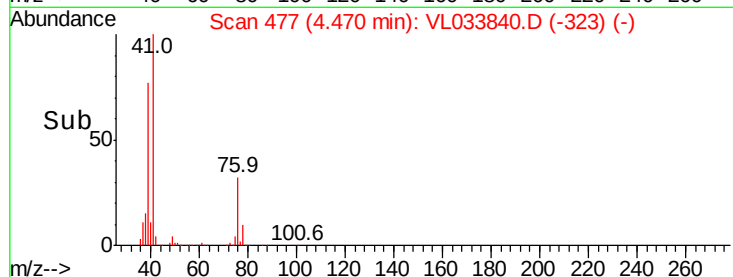
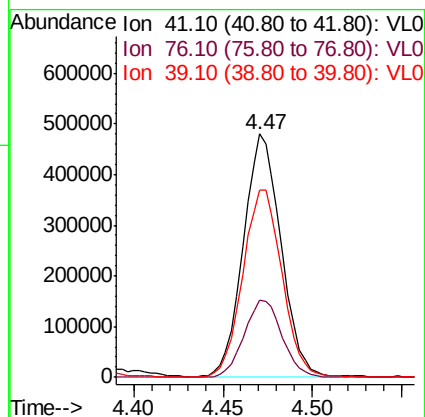
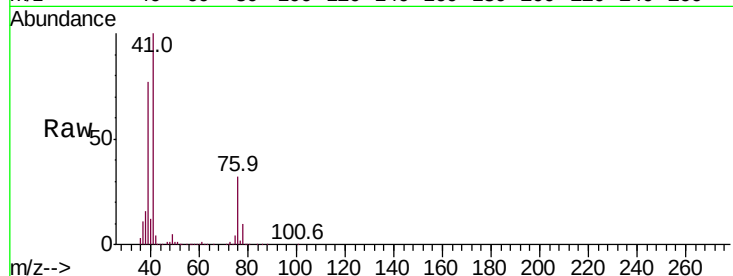
ClientSampleId :

VSTDCCC010

Tot Ion:	41	Resp:	704432
Ion Ratio	Lower	Upper	
41	100		
76	32.2	25.9	38.9
39	80.8	64.6	97.0

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 10.917 ppbv

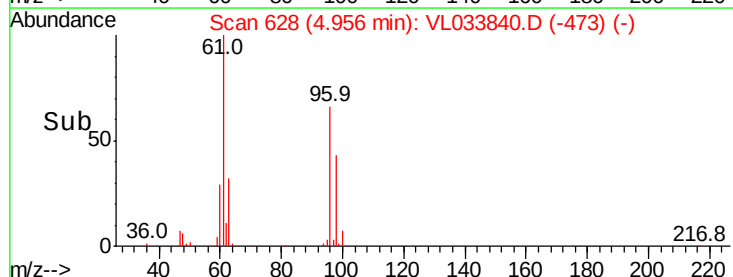
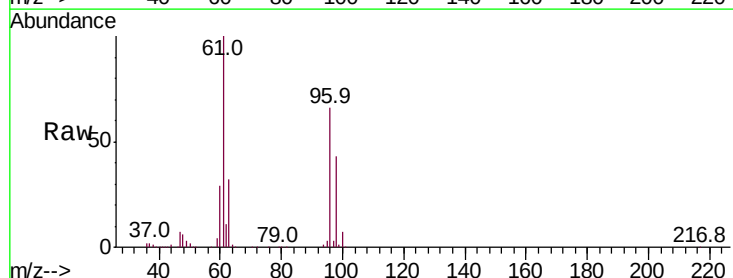
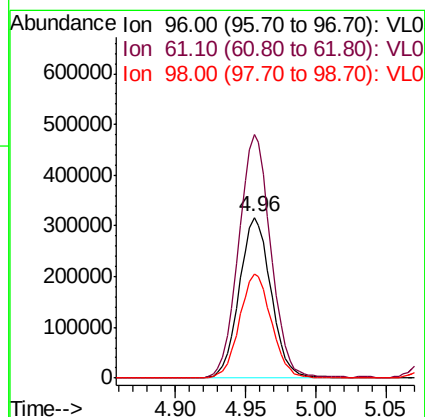
RT: 4.96 min Scan# 628

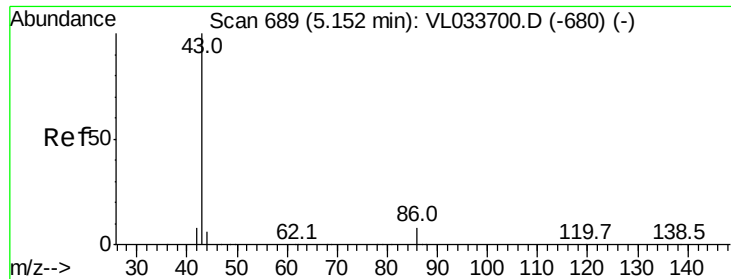
Delta R.T. -0.00 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Tgt Ion:	96	Resp:	501830
Ion Ratio	Lower	Upper	
96	100		
61	151.4	116.8	175.2
98	65.0	49.4	74.0





#23

Vinyl Acetate

Concen: 11.339 ppbv

RT: 5.15 min Scan# 688

Delta R.T. -0.00 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1569074

Ion Ratio Lower Upper

43 100

86 8.3 6.0 9.0

42 10.3 7.5 11.3

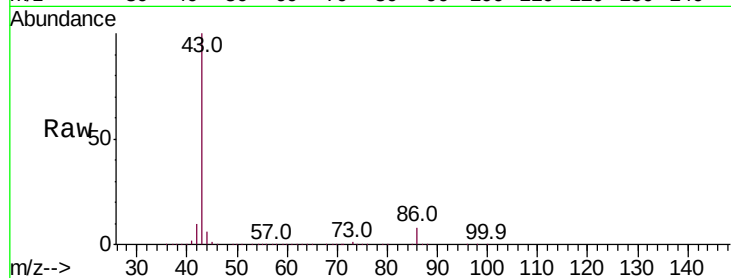
44 5.5 4.4 6.6

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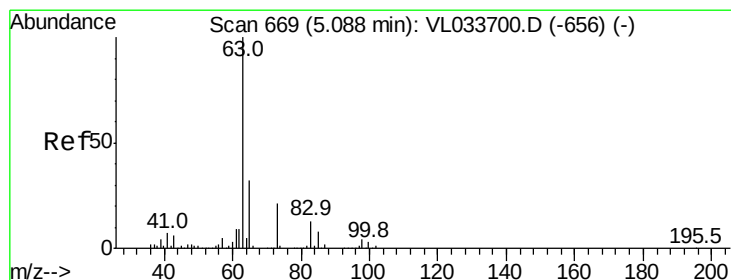
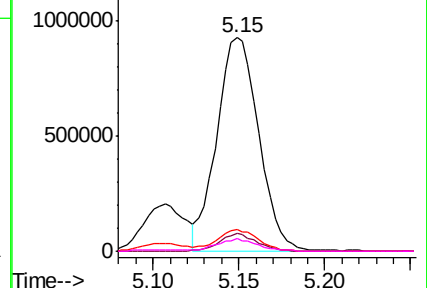
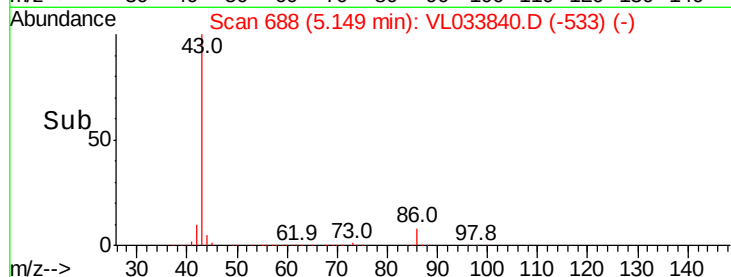


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.484 ppbv

RT: 5.09 min Scan# 669

Delta R.T. 0.00 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

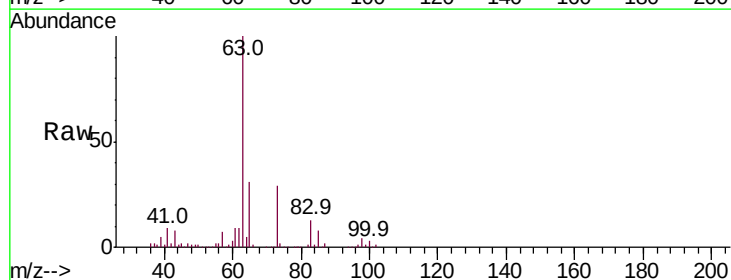
Tgt Ion: 63 Resp: 1102787

Ion Ratio Lower Upper

63 100

98 4.2 1.8 5.5

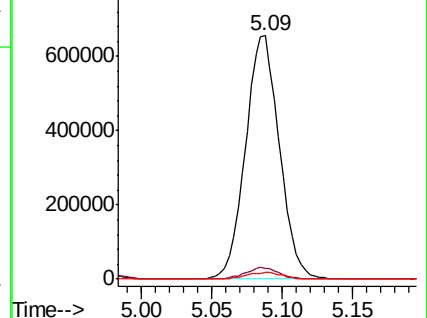
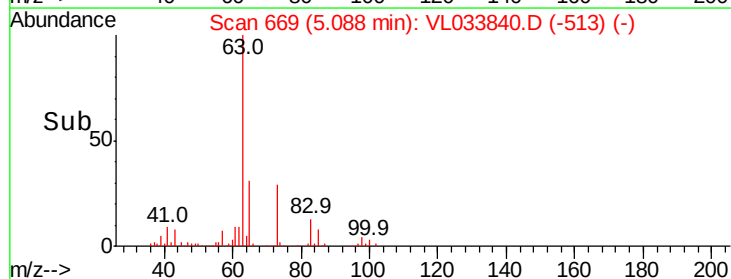
100 2.9 1.4 4.2

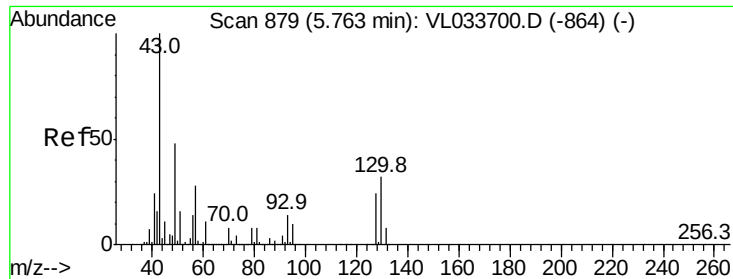


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 10.214 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Instrument :

MSVOA_L

ClientSampled :

VSTDCCC010

Tot Ion: 43 Resp: 1883108

Ion Ratio Lower Upper

43 100

45 10.2 7.9 11.9

61 9.7 7.7 11.5

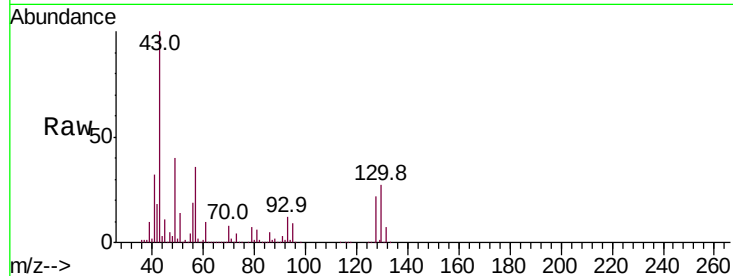
70 7.2 5.8 8.6

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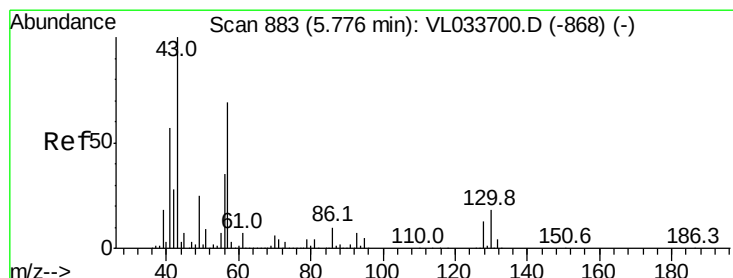
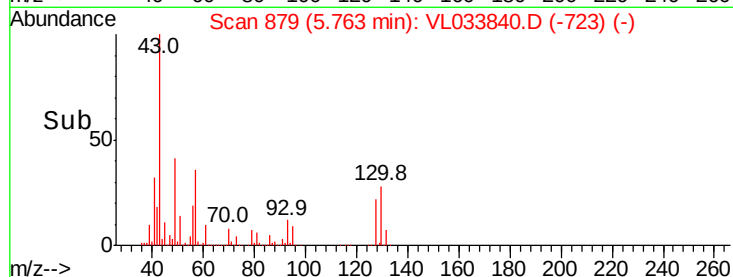
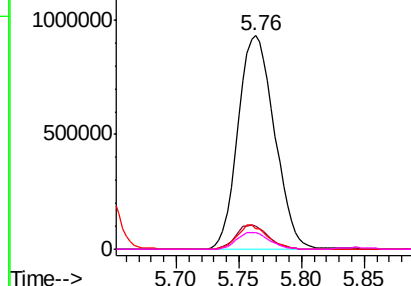
Abundance

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: 10.429 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.00 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Tgt Ion: 57 Resp: 826618

Ion Ratio Lower Upper

57 100

41 87.6 69.8 104.6

43 228.7 181.8 272.6

56 52.5 42.1 63.1

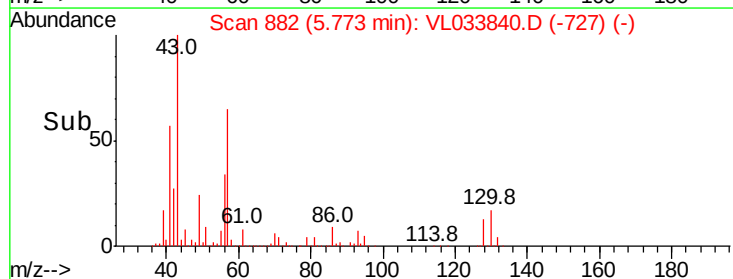
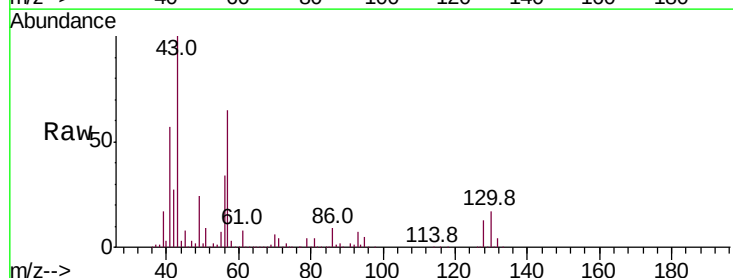
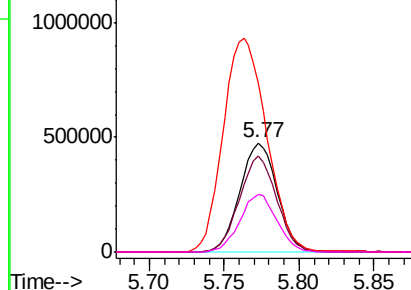
Abundance

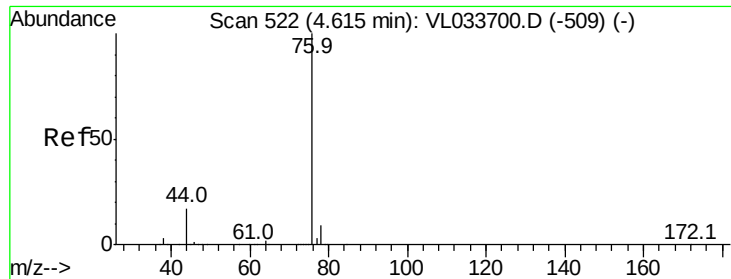
Ion 57.10 (56.80 to 57.80): VL0

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





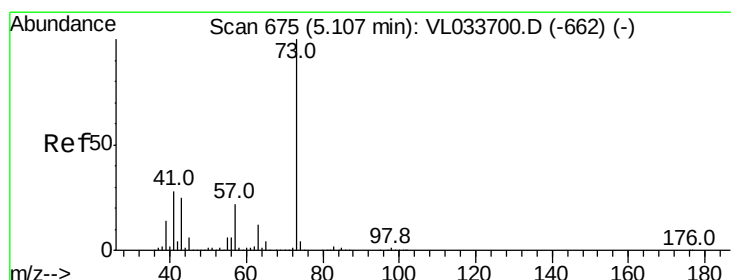
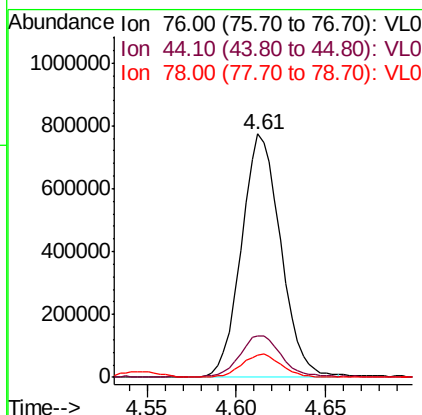
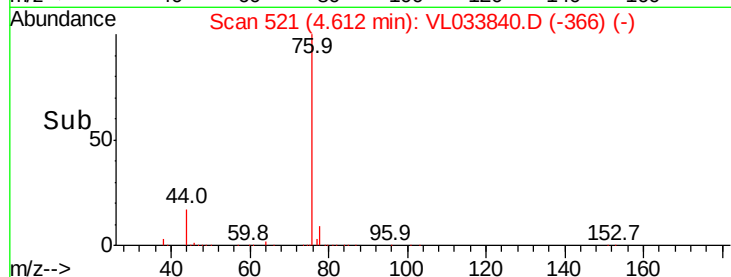
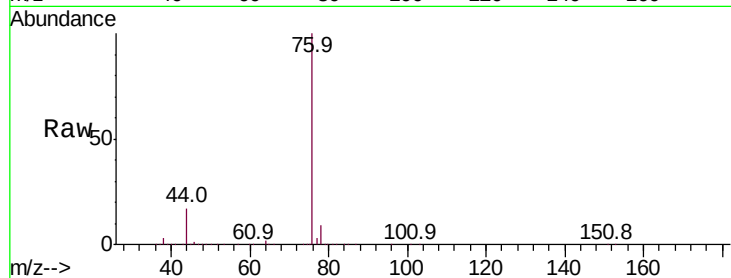
#27
Carbon Disulfide
Concen: 11.015 ppbv
RT: 4.61 min Scan# 521
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 76 Resp: 1197720
Ion Ratio Lower Upper
76 100
44 17.9 13.8 20.8
78 9.5 7.4 11.0

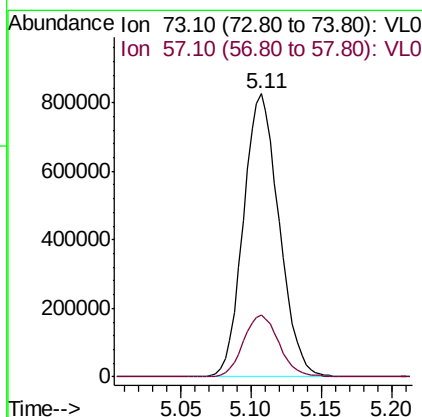
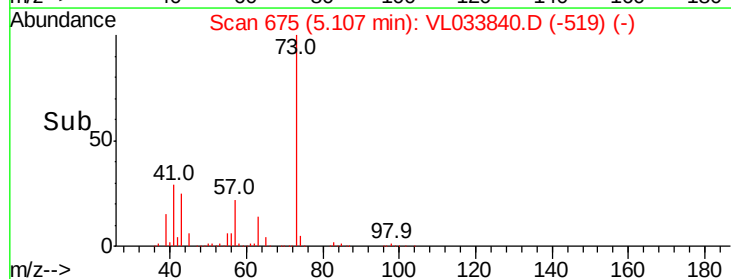
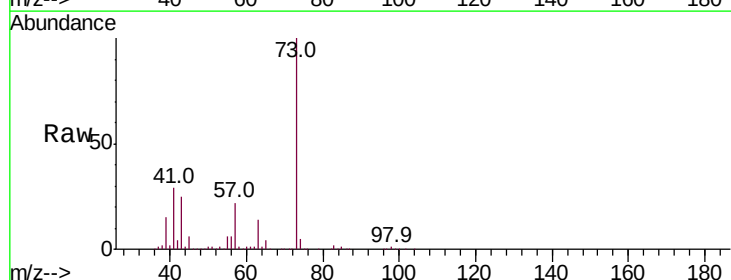
Manual Integrations
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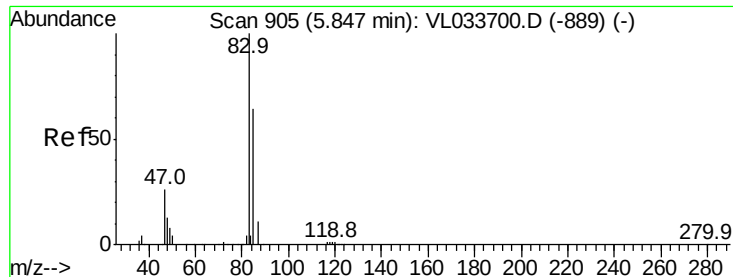
apatel
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#28
Methyl tert-Butyl Ether
Concen: 11.339 ppbv
RT: 5.11 min Scan# 675
Delta R.T. 0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 73 Resp: 1465114
Ion Ratio Lower Upper
73 100
57 22.1 17.4 26.2





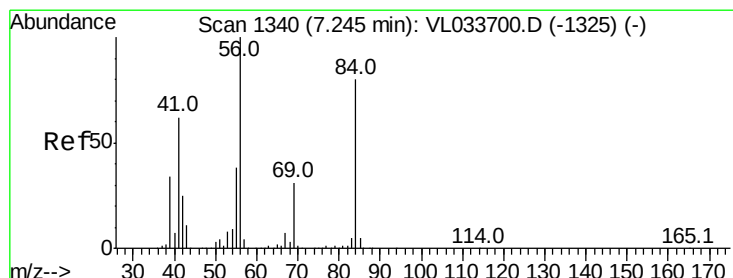
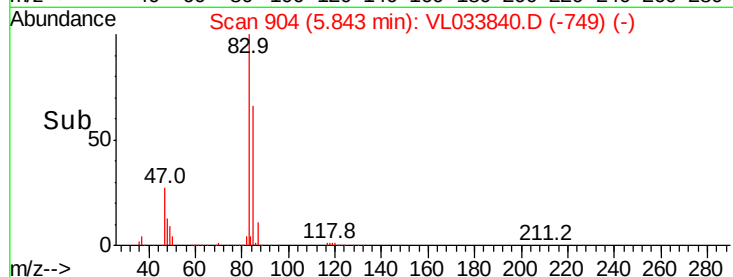
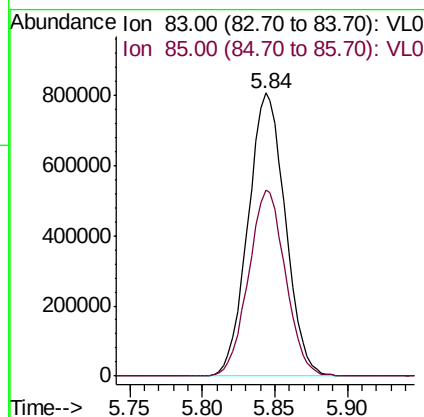
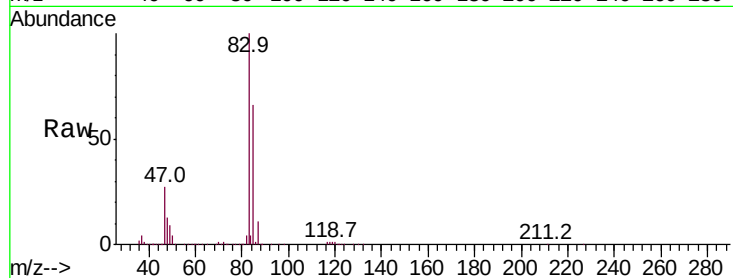
#29
Chloroform
Concen: 9.880 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 1442416
Ion Ratio Lower Upper
83 100
85 65.8 51.5 77.3

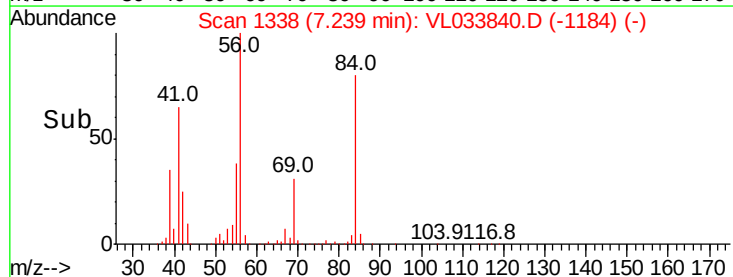
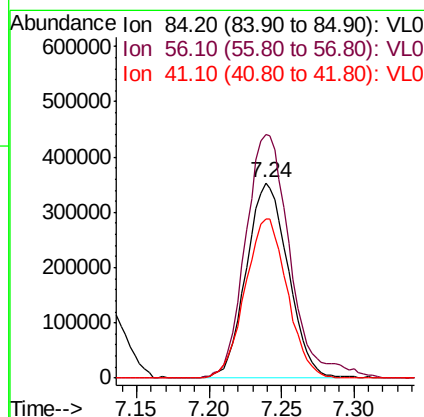
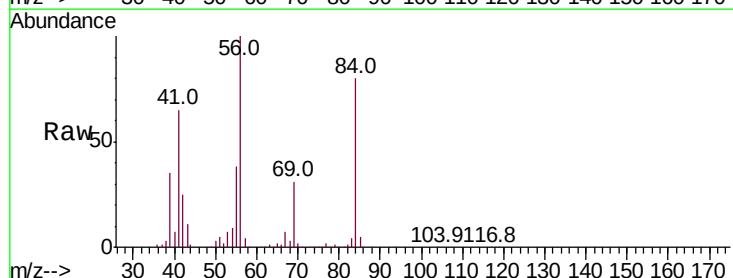
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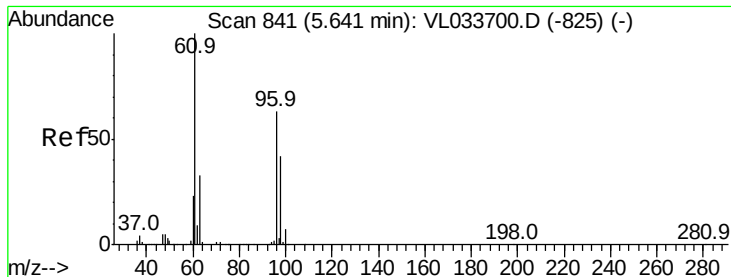
apatel
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#30
Cyclohexane
Concen: 10.642 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 84 Resp: 709110
Ion Ratio Lower Upper
84 100
56 133.5 107.7 161.5
41 82.2 66.0 99.0





#31

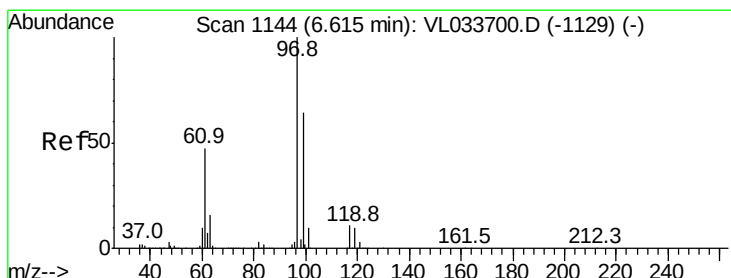
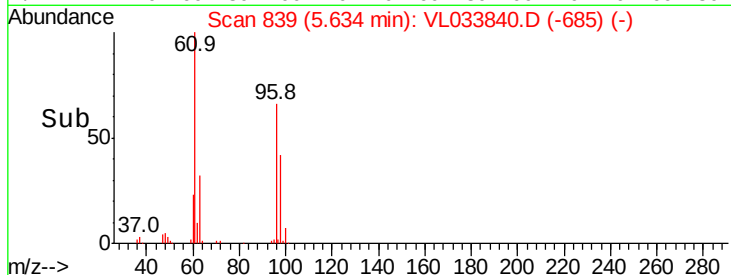
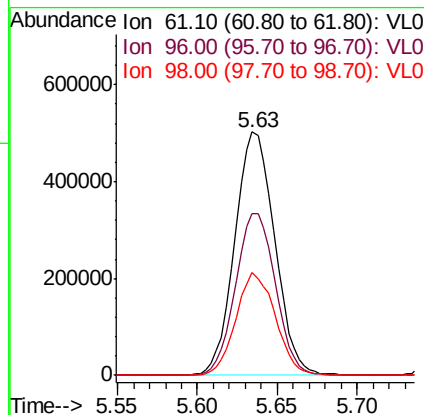
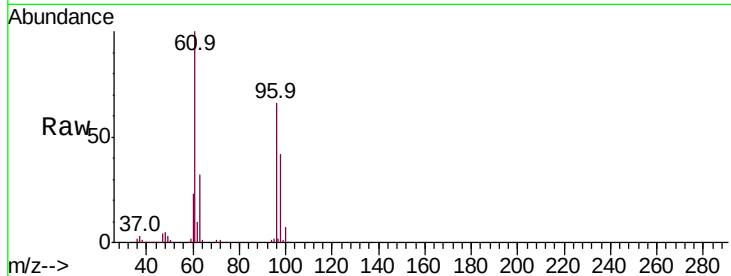
cis-1,2-Dichloroethene
Concen: 10.880 ppbv
RT: 5.63 min Scan# 839
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Resp	Lower	Upper
61	100	855012		
96	66.5		50.8	76.2
98	42.2		33.3	49.9

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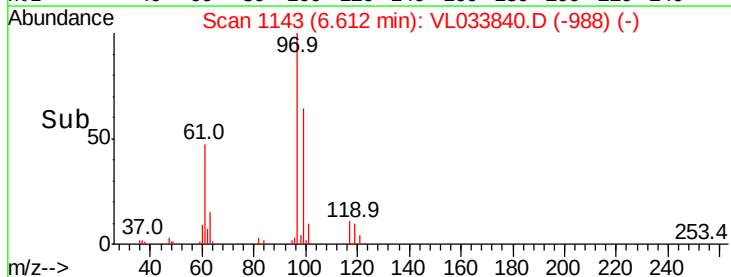
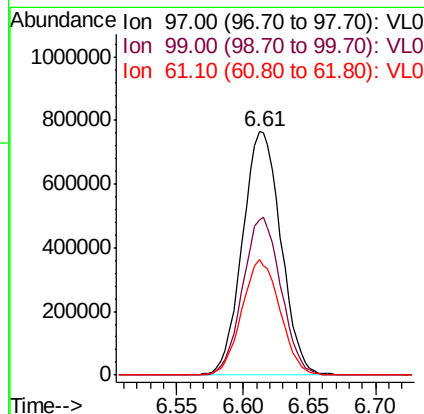
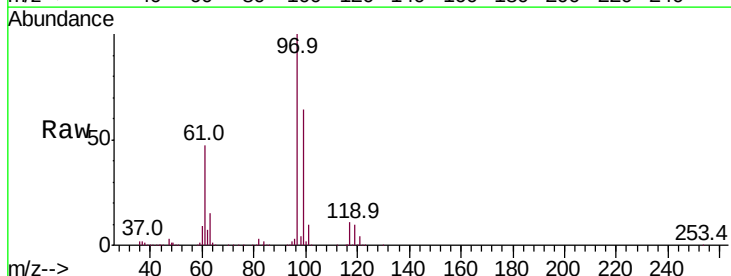
apatel
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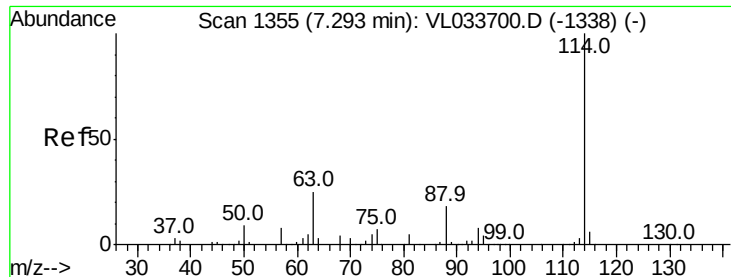


#32

1,1,1-Trichloroethane
Concen: 10.580 ppbv
RT: 6.61 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	1542234		
99	64.4		51.5	77.3
61	47.2		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: VL033840.D

Acq: 29 May 2019 16:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:114 Resp: 1877870

Ion Ratio Lower Upper

114 100

63 26.1 20.9 31.3

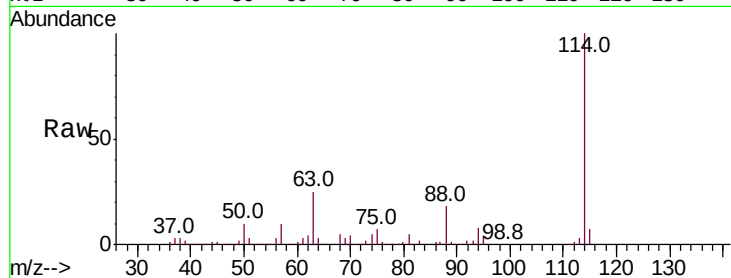
88 18.0 14.3 21.5

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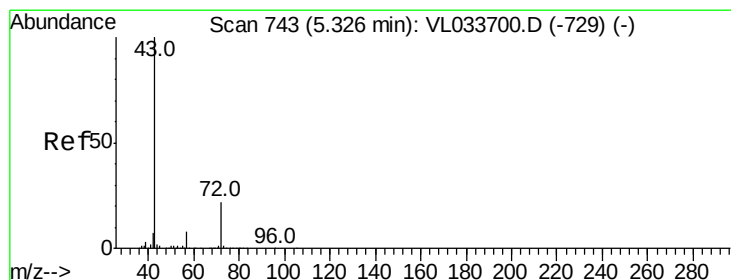
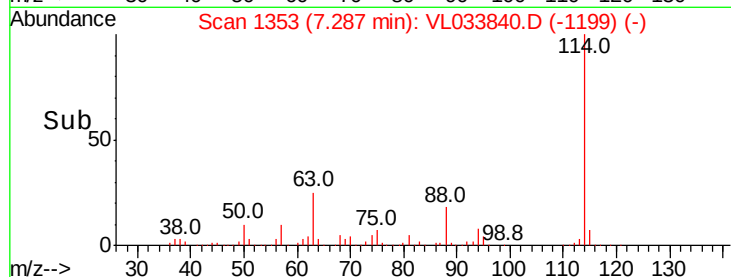
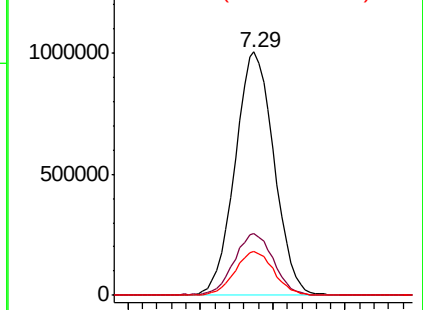
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 10.641 ppbv

RT: 5.32 min Scan# 742

Delta R.T. -0.00 min

Lab File: VL033840.D

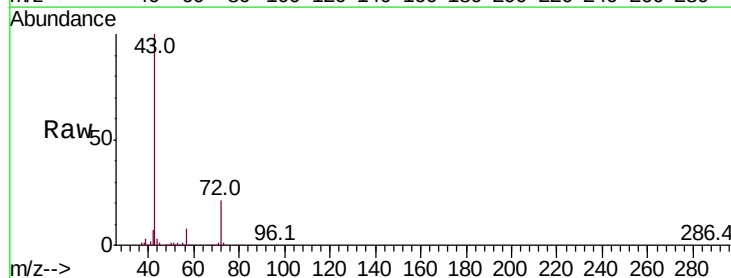
Acq: 29 May 2019 16:31

Tgt Ion: 43 Resp: 1238565

Ion Ratio Lower Upper

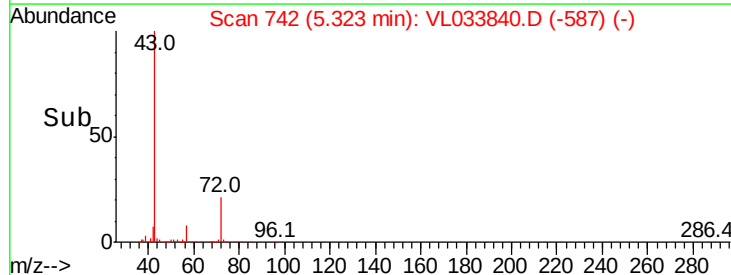
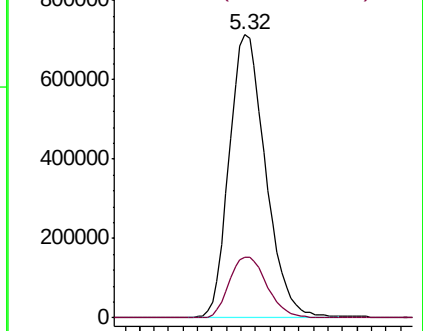
43 100

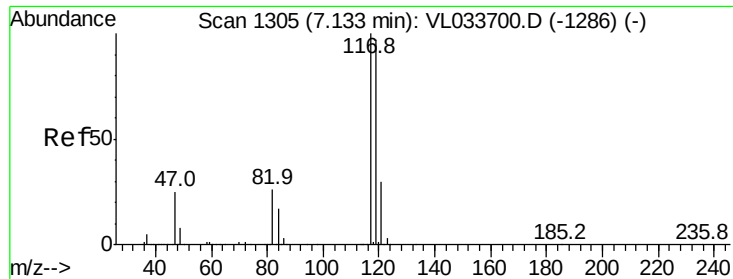
72 22.5 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.737 ppbv

RT: 7.13 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 1615079

Ion Ratio Lower Upper

117 100

119 94.4 77.2 115.8

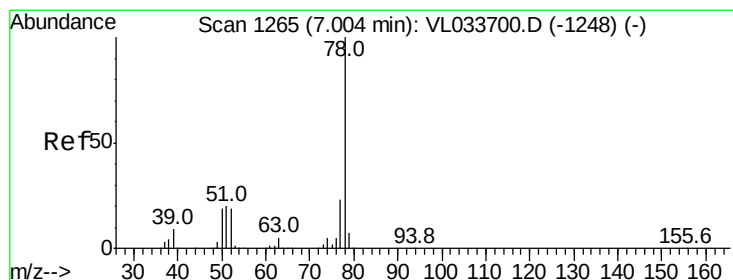
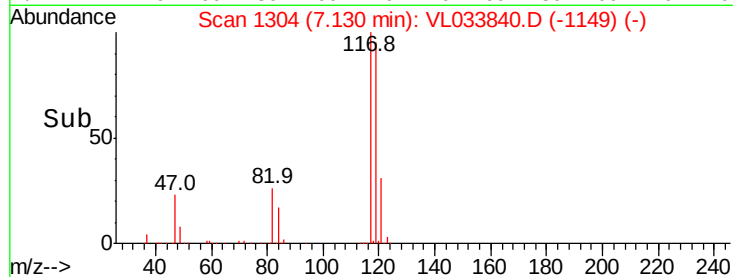
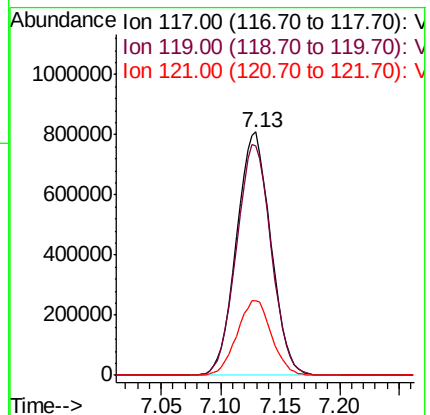
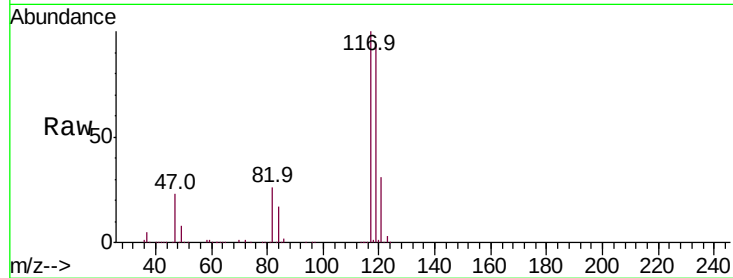
121 30.6 24.1 36.1

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#36

Benzene

Concen: 10.657 ppbv

RT: 7.00 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

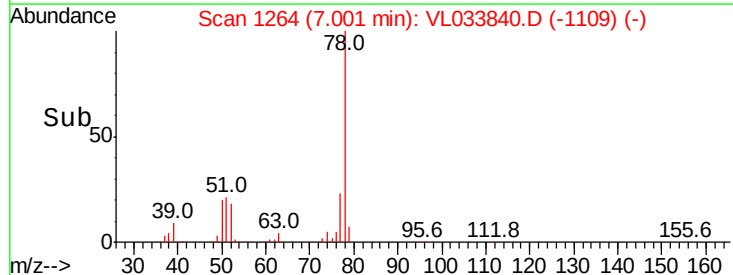
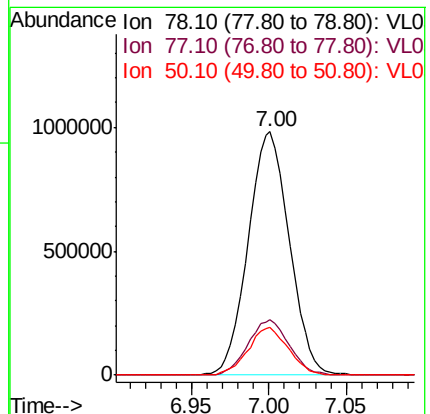
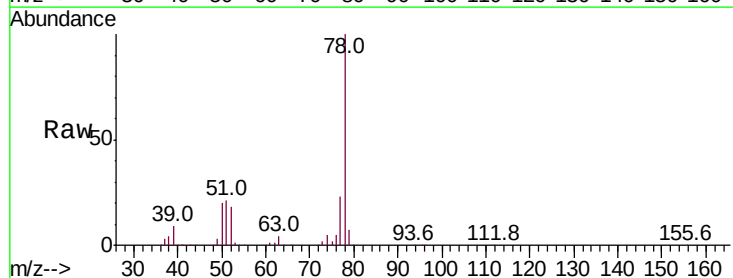
Tgt Ion: 78 Resp: 1820442

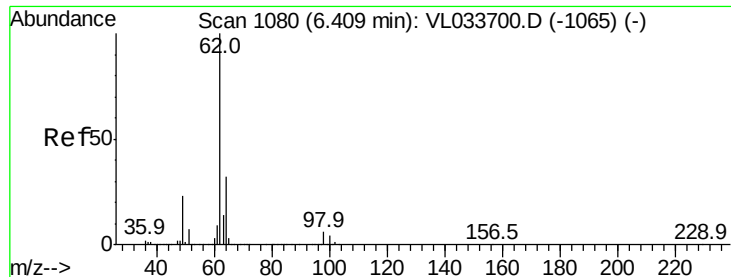
Ion Ratio Lower Upper

78 100

77 22.9 18.4 27.6

50 19.7 15.5 23.3





#37

1,2-Dichloroethane

Concen: 10.081 ppbv

RT: 6.41 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 1110867

Ion Ratio Lower Upper

62 100

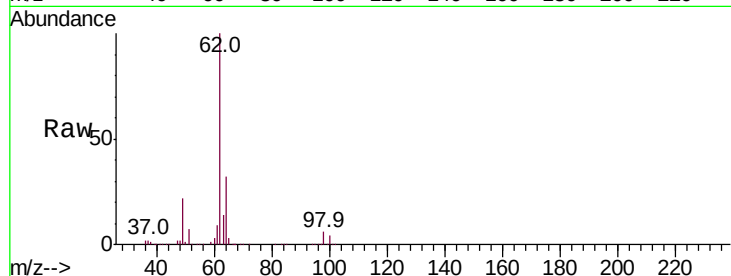
98 5.5 4.5 6.7

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

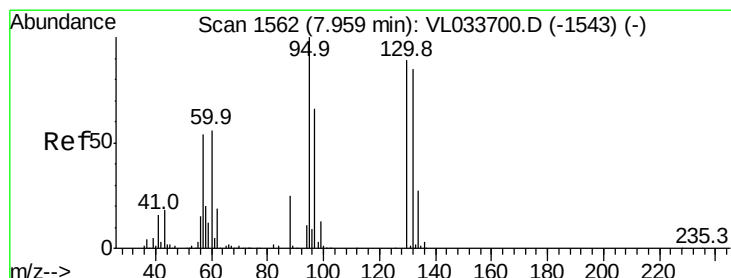
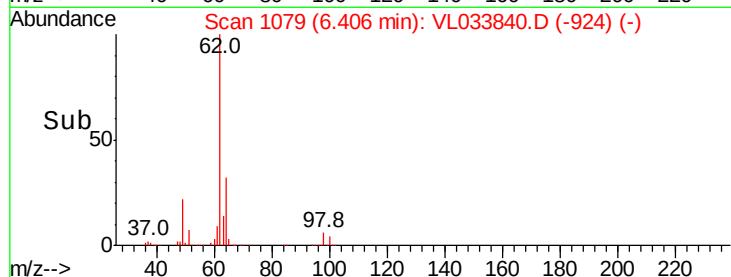
600000

400000

200000

0

Time--> 6.30 6.35 6.40 6.45 6.50



#38

Trichloroethene

Concen: 11.122 ppbv

RT: 7.95 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Tgt Ion:130 Resp: 704989

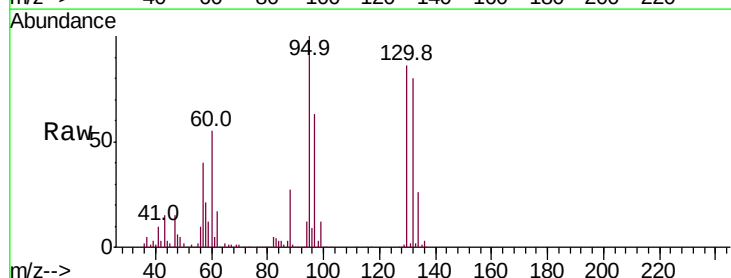
Ion Ratio Lower Upper

130 100

95 116.1 90.2 135.4

132 92.6 76.4 114.6

97 73.2 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

600000

500000

400000

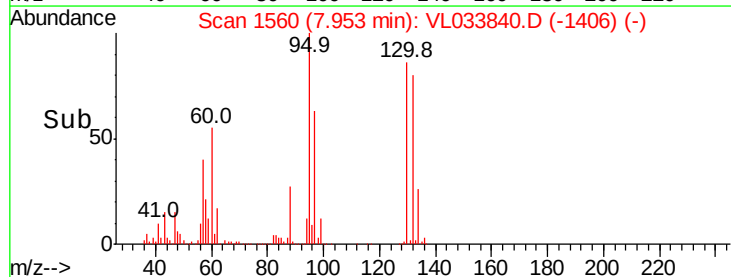
300000

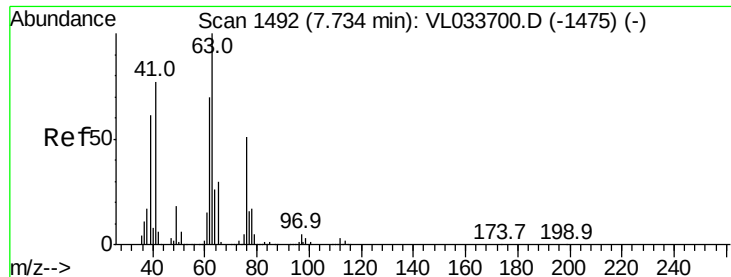
200000

100000

0

Time--> 7.90 7.95 8.00





#39

1,2-Dichloropropane

Concen: 10.360 ppbv

RT: 7.73 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Instrument :

MSVOA_L

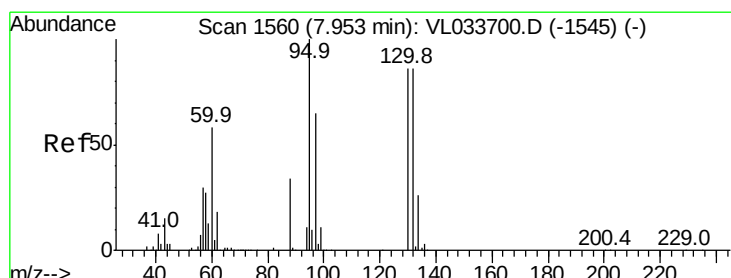
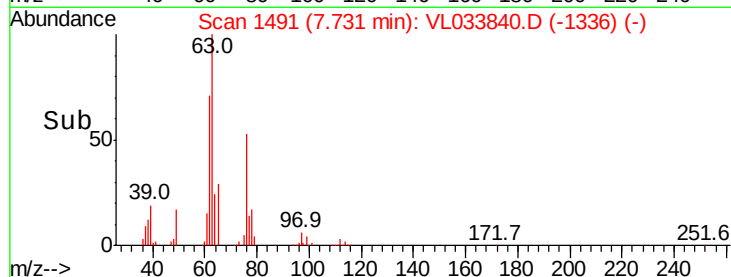
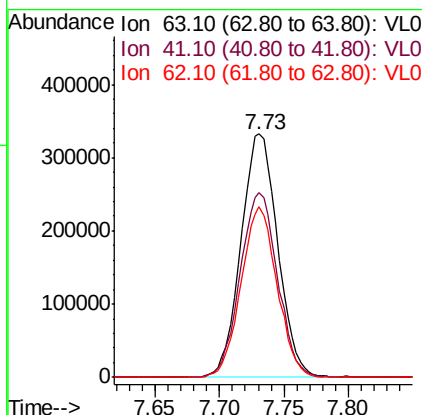
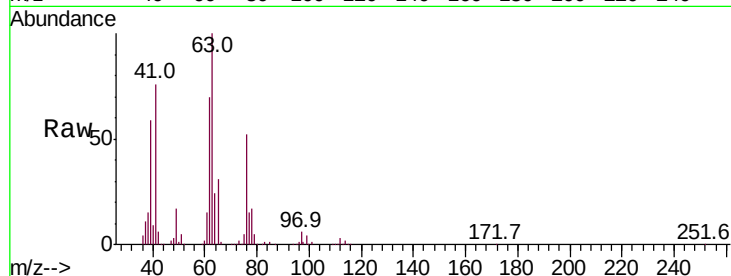
ClientSampleId :

VSTDCCC010

Tot Ion:	63	Resp:	659787
Ion Ratio	Lower	Upper	
63	100		
41	76.0	61.5	92.3
62	70.0	56.2	84.4

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#40

1,4-Dioxane

Concen: 9.786 ppbv

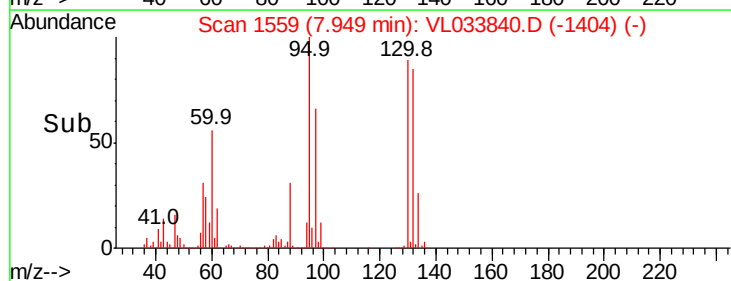
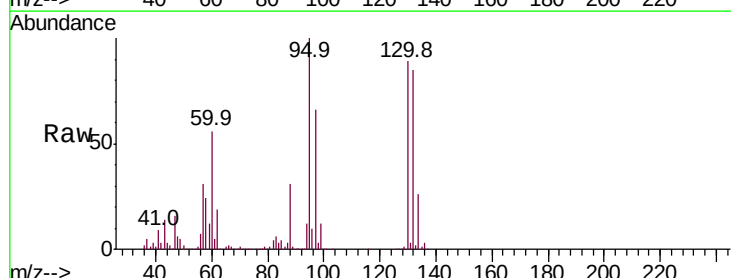
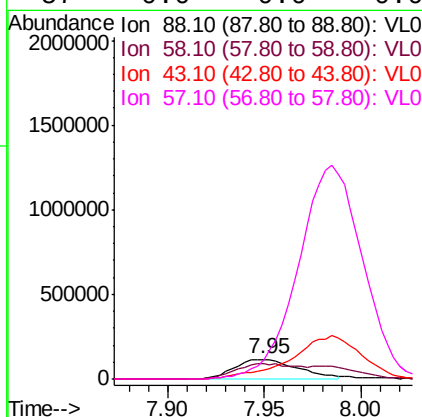
RT: 7.95 min Scan# 1559

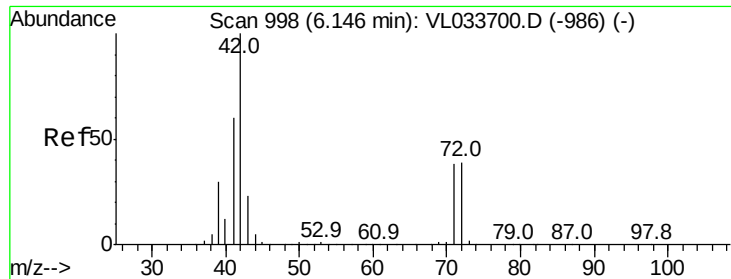
Delta R.T. -0.00 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Tgt Ion:	88	Resp:	260721
Ion Ratio	Lower	Upper	
88	100		
58	127.6	101.8	152.6
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 10.846 ppbv

RT: 6.14 min Scan# 996

Delta R.T. -0.01 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Instrument :

MSVOA_L

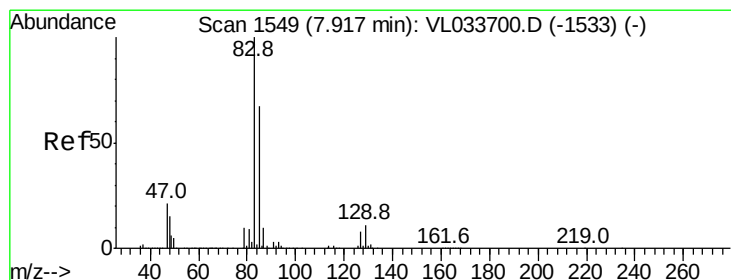
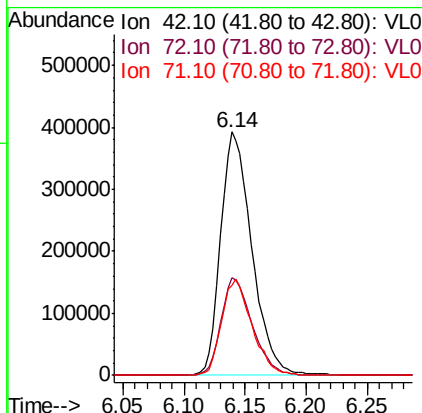
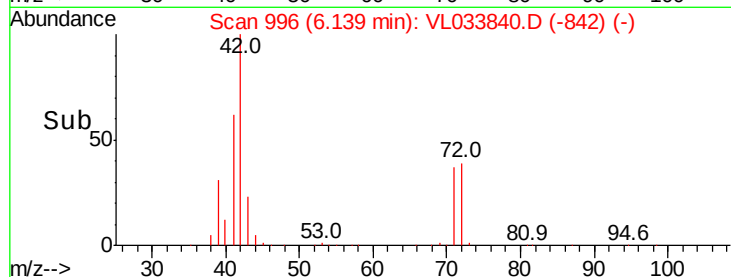
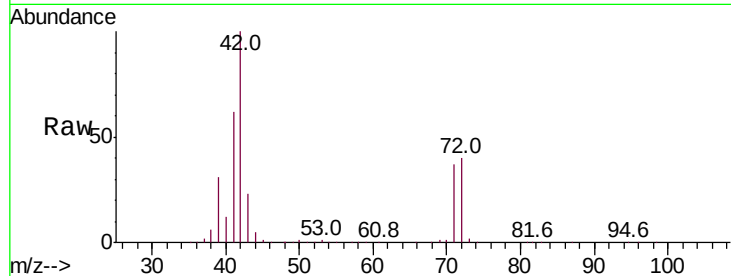
ClientSampled :

VSTDCCC010

Tot Ion:	42	Resp:	707359
Ion Ratio	Lower	Upper	
42	100		
72	39.9	32.0	48.0
71	38.5	30.4	45.6

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.381 ppbv

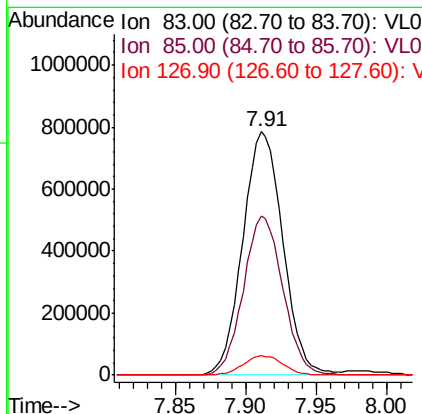
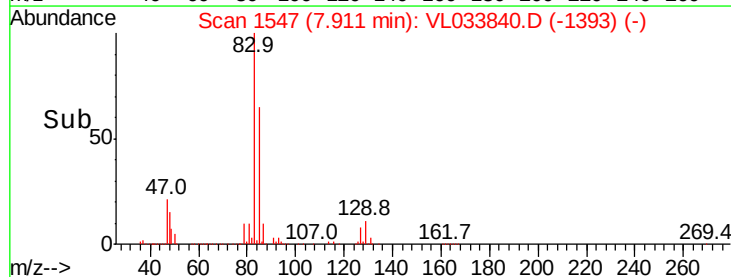
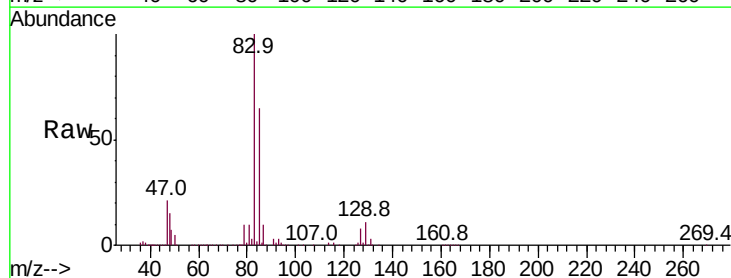
RT: 7.91 min Scan# 1547

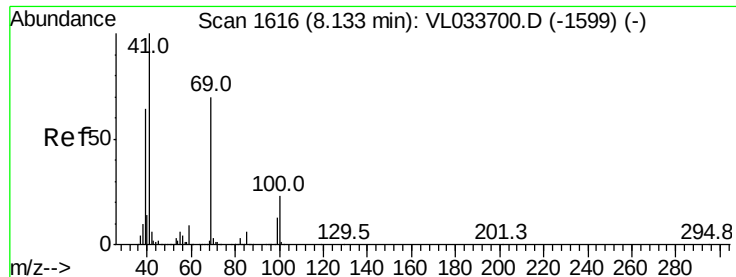
Delta R.T. -0.01 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Tgt Ion:	83	Resp:	1566011
Ion Ratio	Lower	Upper	
83	100		
85	65.3	53.3	79.9
127	8.1	6.5	9.7





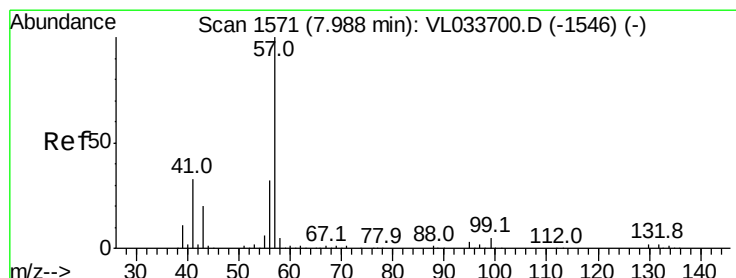
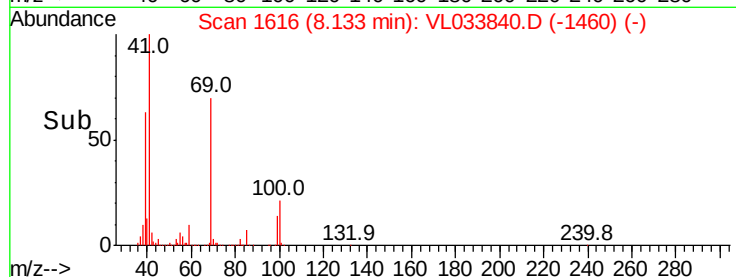
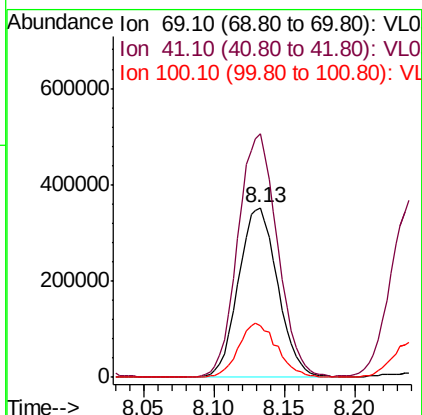
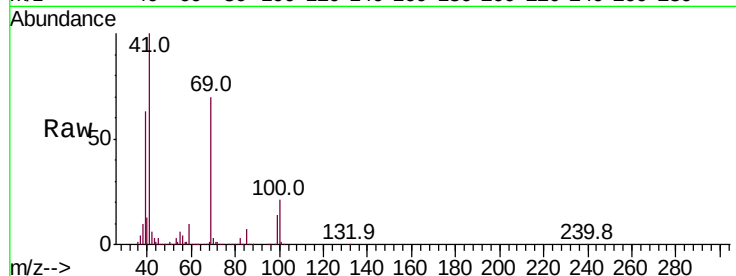
#43
Methyl Methacrylate
Concen: 10.958 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
69	100		
41	144.5	116.3	174.5
100	31.3	25.3	37.9

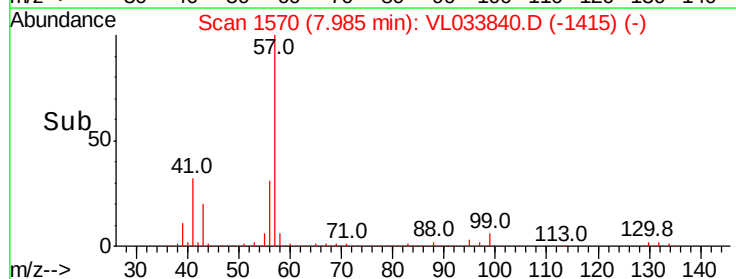
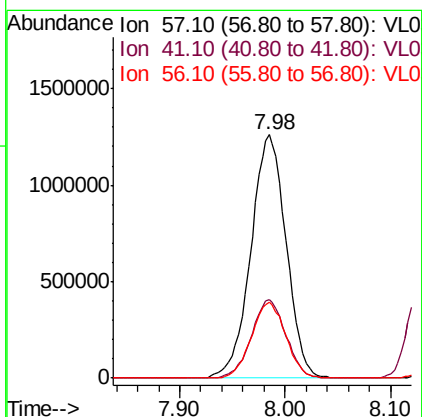
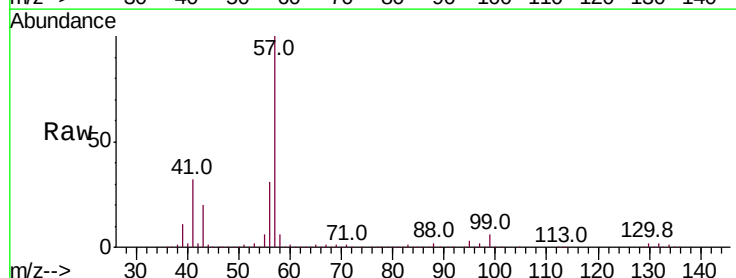
Manual Integrations
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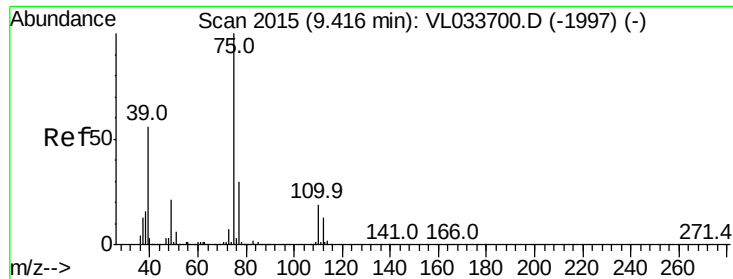
apatel
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#44
2,2,4-Trimethylpentane
Concen: 10.154 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion	Ratio	Lower	Upper
57	100		
41	31.5	25.4	38.0
56	30.5	24.7	37.1





#45

t-1,3-Dichloropropene

Concen: 11.602 ppbv

RT: 9.41 min Scan# 2013

Delta R.T. -0.01 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Instrument :

MSVOA_L

ClientSampled :

VSTDCCC010

Tot Ion: 75 Resp: 924625

Ion Ratio Lower Upper

75 100

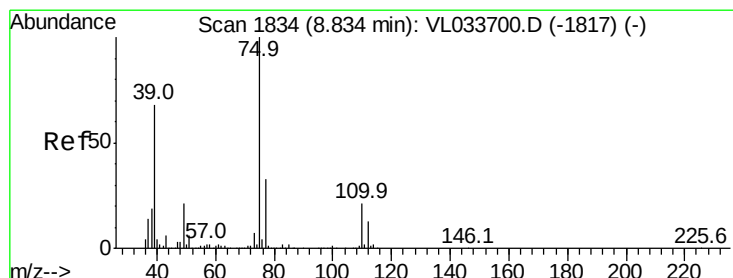
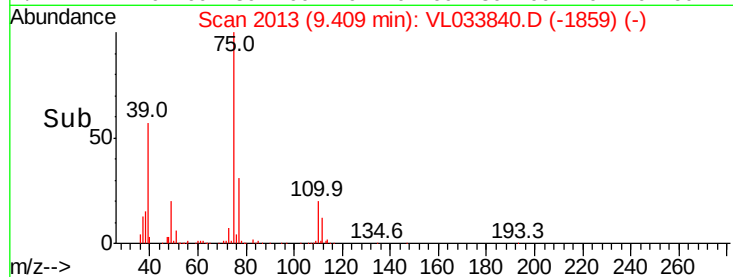
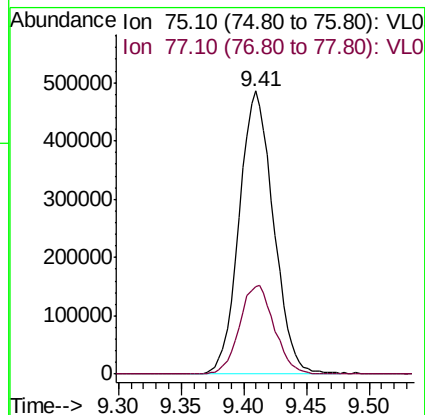
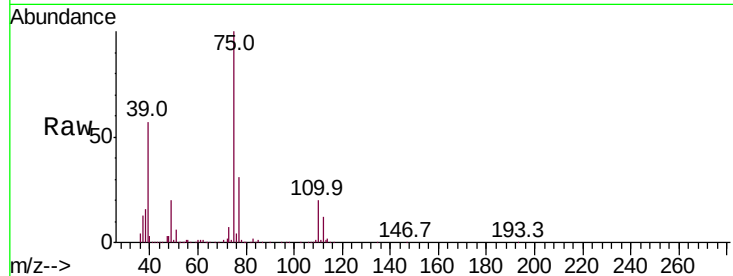
77 30.7 24.4 36.6

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#46

cis-1,3-Dichloropropene

Concen: 11.274 ppbv

RT: 8.83 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

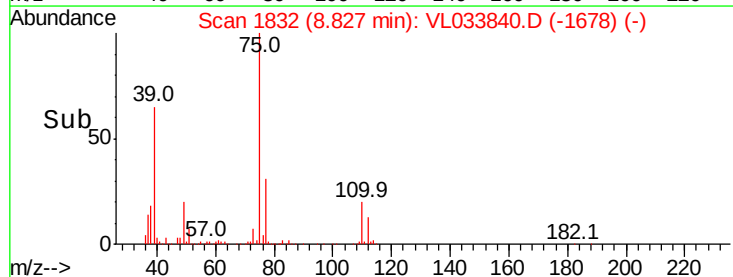
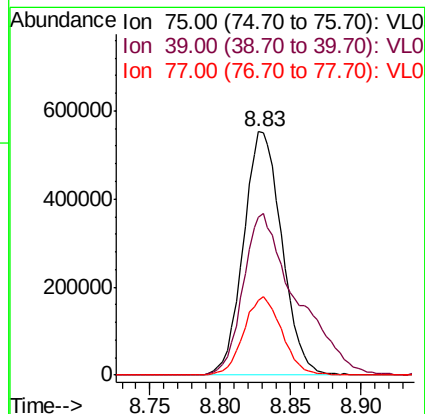
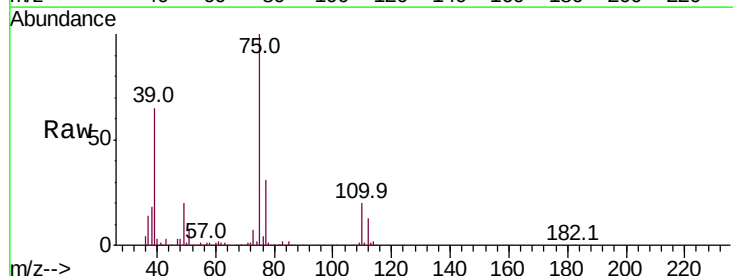
Tgt Ion: 75 Resp: 1052091

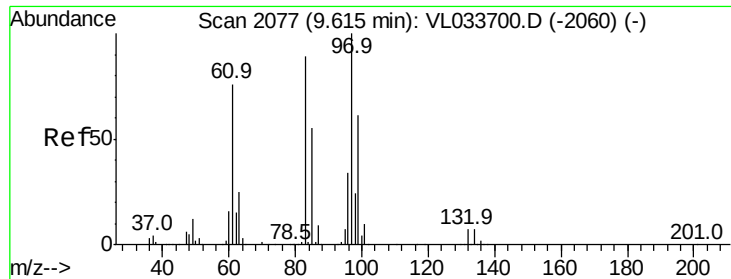
Ion Ratio Lower Upper

75 100

39 64.9 54.4 81.6

77 30.8 26.6 39.8





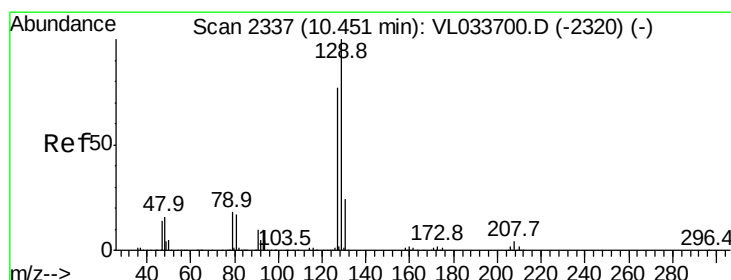
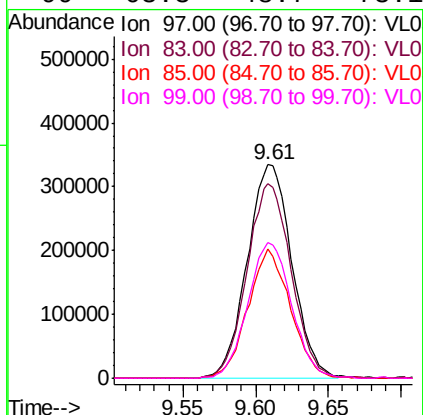
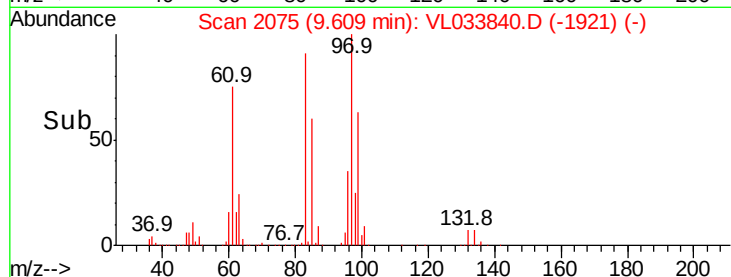
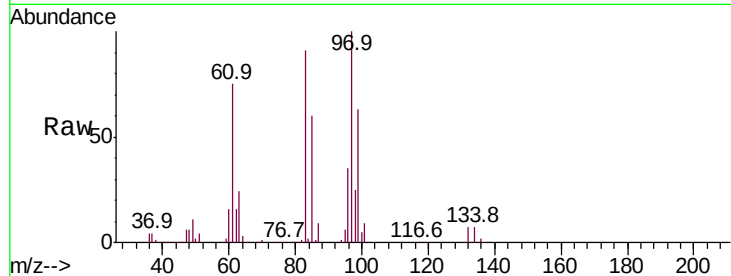
#47
 1,1,2-Trichloroethane
 Concen: 9.908 ppbv
 RT: 9.61 min Scan# 2075
 Delta R.T. -0.01 min
 Lab File: VL033840.D
 Acq: 29 May 2019 16:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	97	Resp	716827
Ion	Ratio	Lower	Upper
97	100		
83	90.8	70.8	106.2
85	60.3	43.7	65.5
99	63.3	48.7	73.1

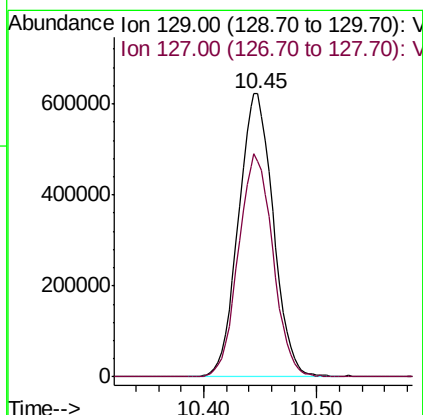
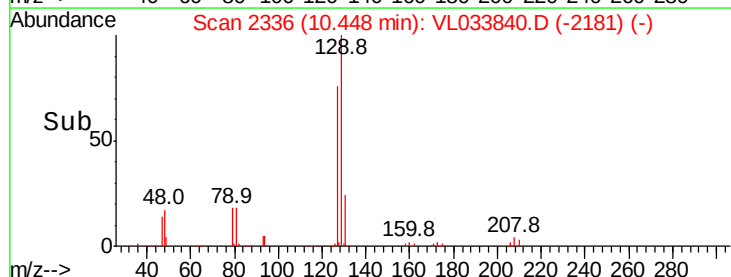
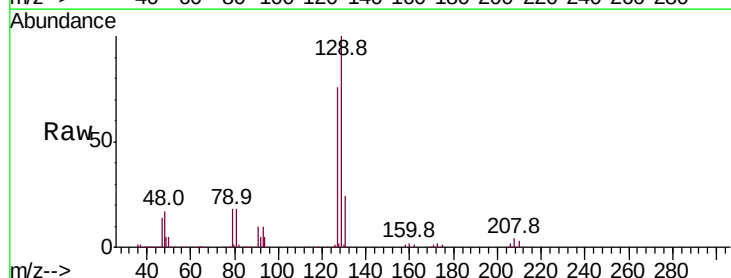
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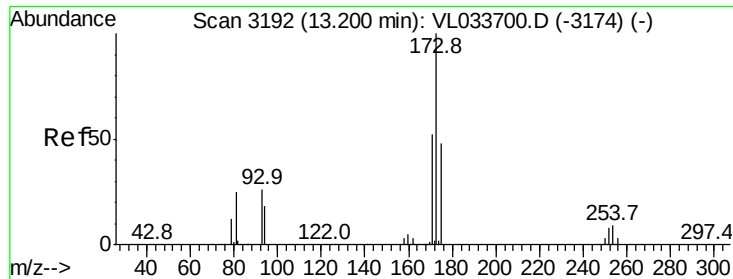
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#48
 Dibromochloromethane
 Concen: 10.639 ppbv
 RT: 10.45 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: VL033840.D
 Acq: 29 May 2019 16:31

Tgt Ion	129	Resp	1333759
Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.6	116.0





#49

Bromoform

Concen: 11.781 ppbv

RT: 13.20 min Scan# 3191

Delta R.T. -0.00 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 1242708

Ion Ratio Lower Upper

173 100

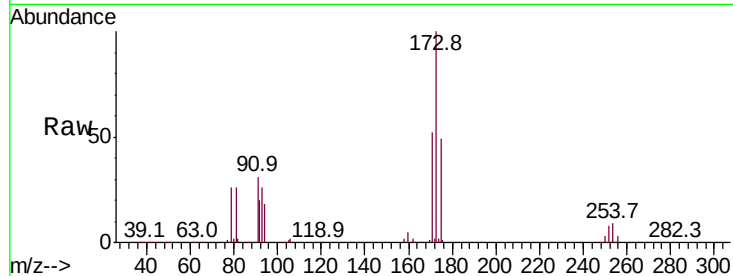
175 48.7 38.6 58.0

171 51.7 41.5 62.3

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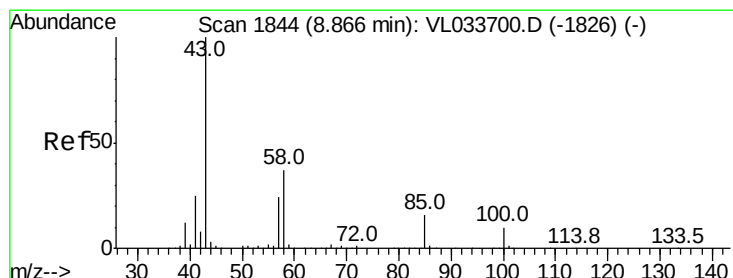
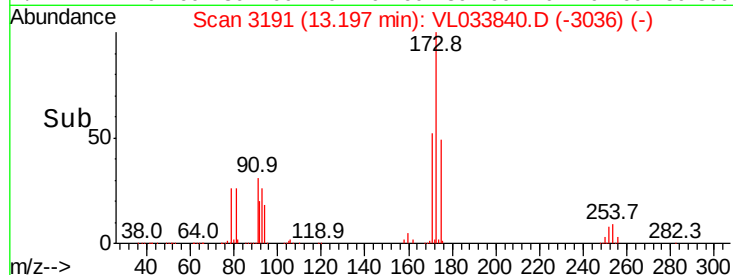
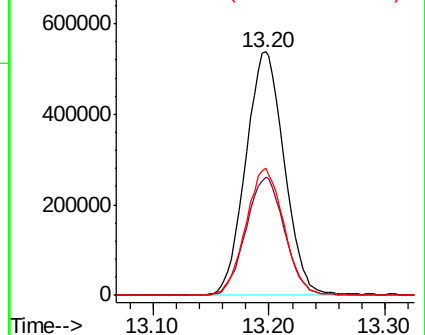
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.377 ppbv

RT: 8.86 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VL033840.D

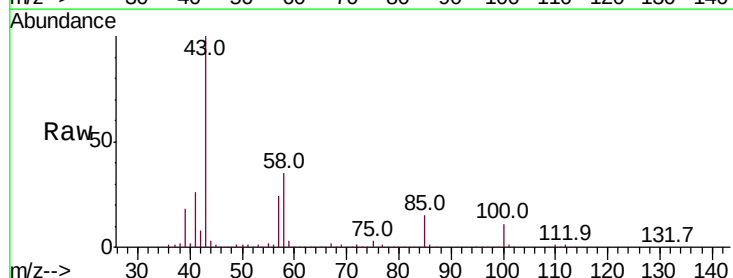
Acq: 29 May 2019 16:31

Tgt Ion: 43 Resp: 1857867

Ion Ratio Lower Upper

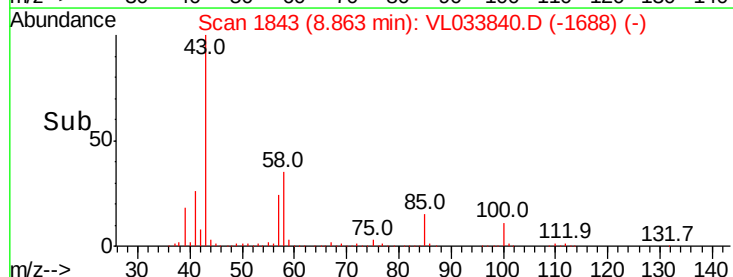
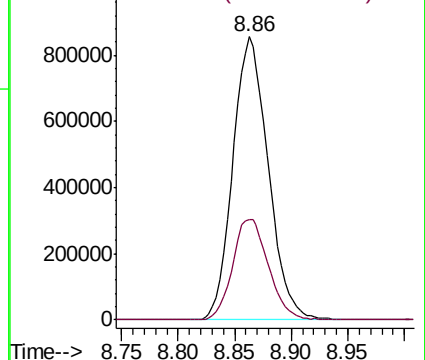
43 100

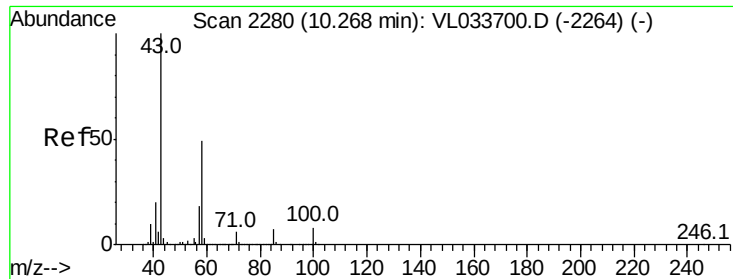
58 36.2 28.6 43.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.044 ppbv

RT: 10.26 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1543261

Ion Ratio Lower Upper

43 100

58 47.7 38.7 58.1

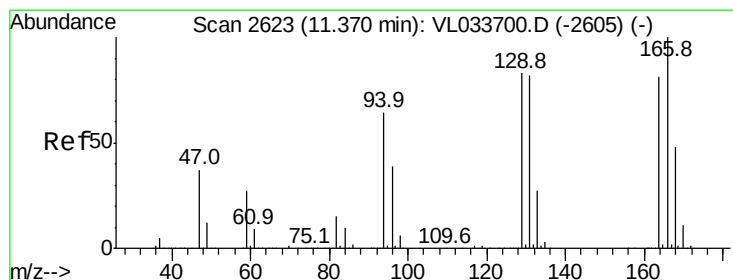
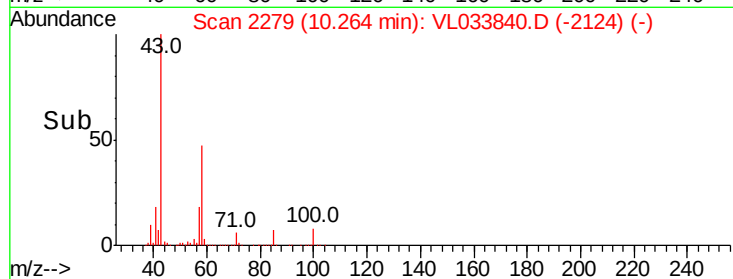
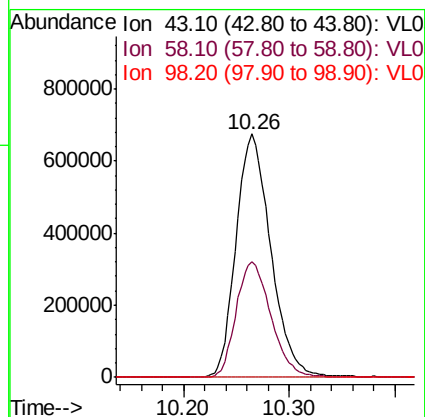
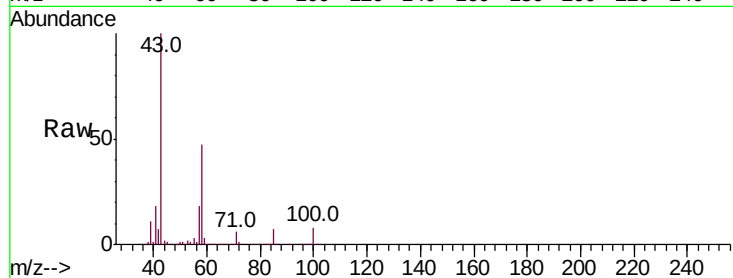
98 0.2 0.2 0.4#

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#52

Tetrachloroethene

Concen: 11.349 ppbv

RT: 11.37 min Scan# 2622

Delta R.T. -0.00 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Tgt Ion: 164 Resp: 681479

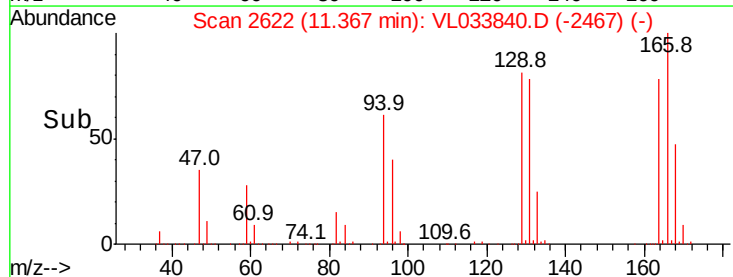
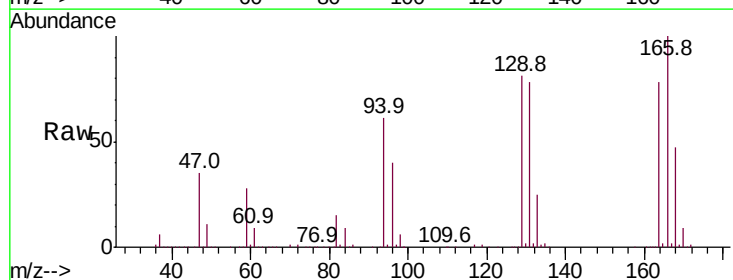
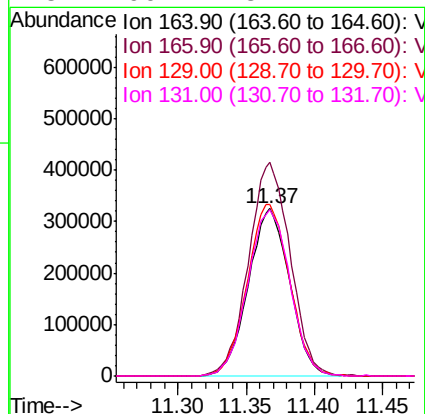
Ion Ratio Lower Upper

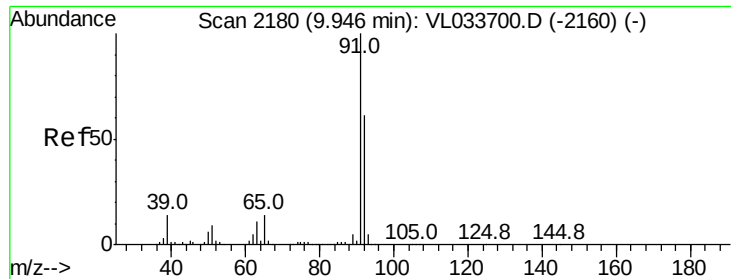
164 100

166 127.5 98.9 148.3

129 102.8 81.8 122.6

131 99.2 81.1 121.7





#53

Toluene

Concen: 11.011 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2028670

Ion Ratio Lower Upper

91 100

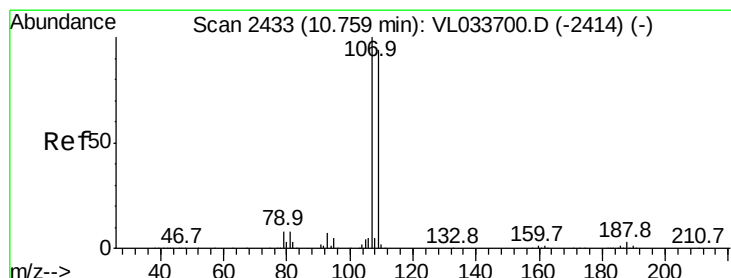
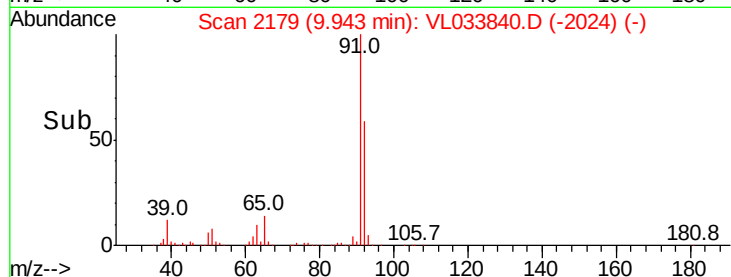
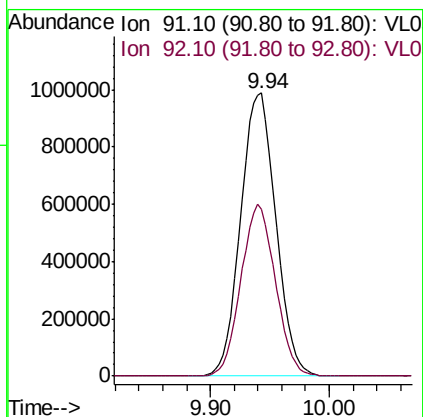
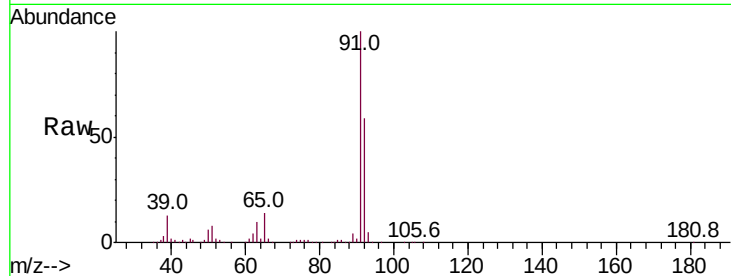
92 59.4 47.6 71.4

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#54

1,2-Dibromoethane

Concen: 10.394 ppbv

RT: 10.76 min Scan# 2432

Delta R.T. -0.00 min

Lab File: VL033840.D

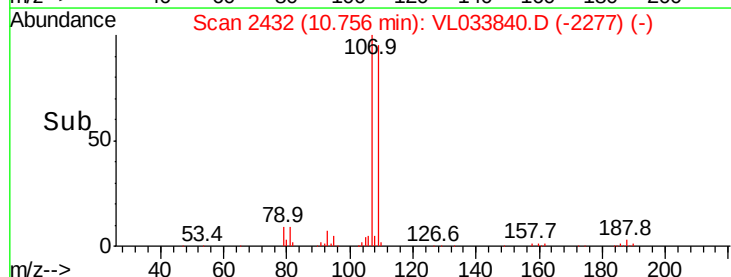
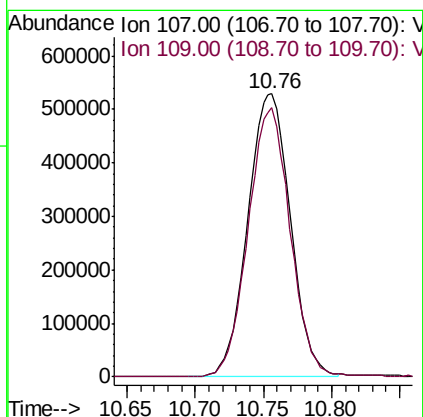
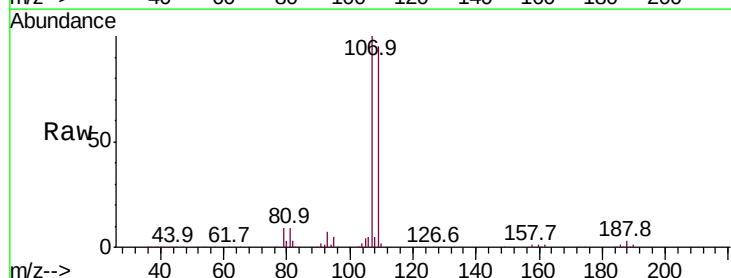
Acq: 29 May 2019 16:31

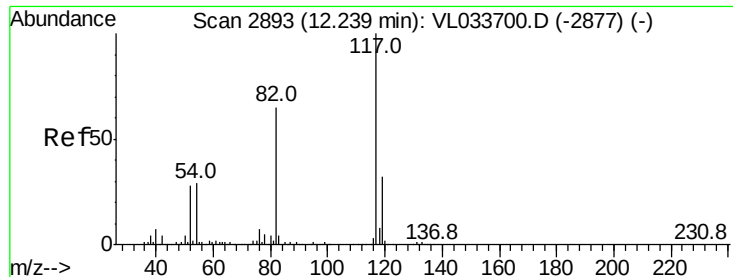
Tgt Ion: 107 Resp: 1147633

Ion Ratio Lower Upper

107 100

109 94.9 75.2 112.8





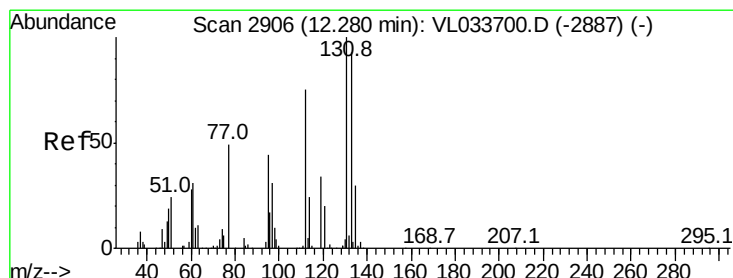
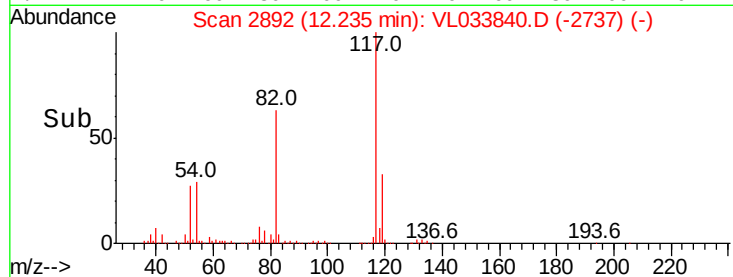
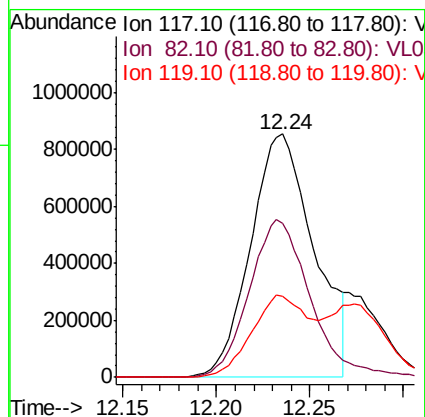
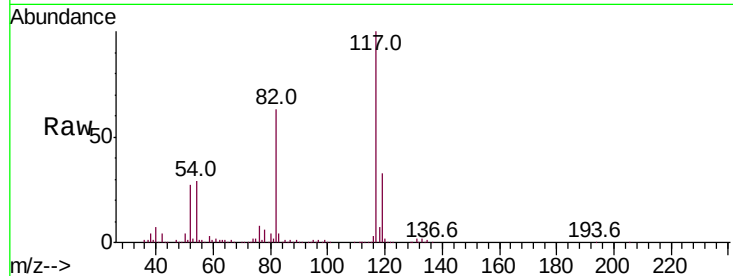
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 2016520
Ion Ratio Lower Upper
117 100
82 63.0 49.4 74.0
119 32.6 24.9 37.3

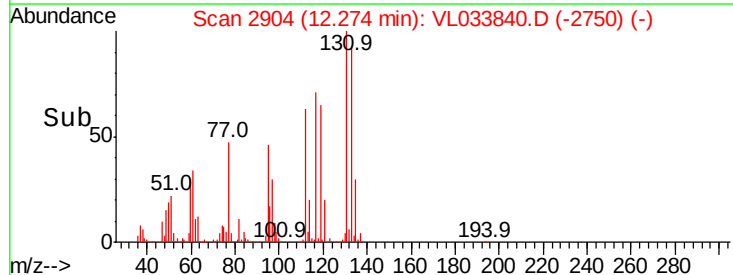
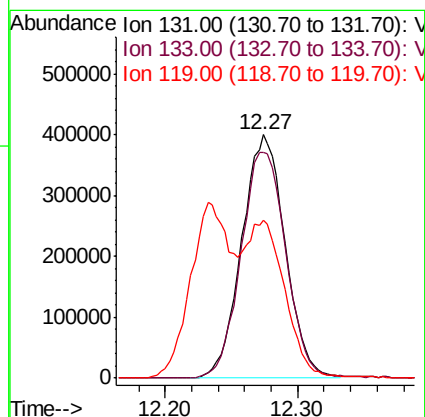
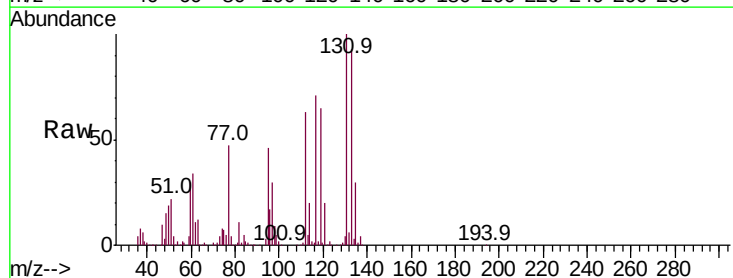
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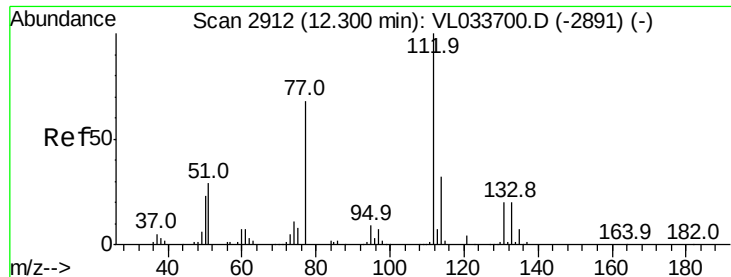
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.755 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion:131 Resp: 910287
Ion Ratio Lower Upper
131 100
133 96.8 76.6 114.8
119 64.5 49.0 73.4





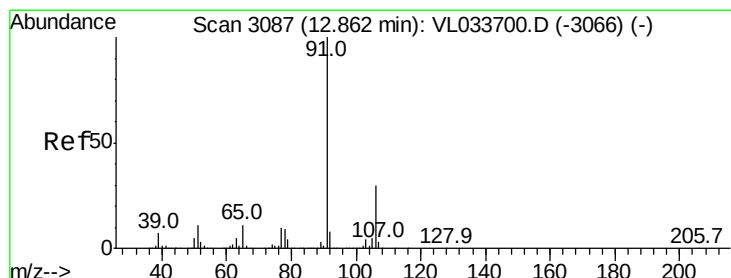
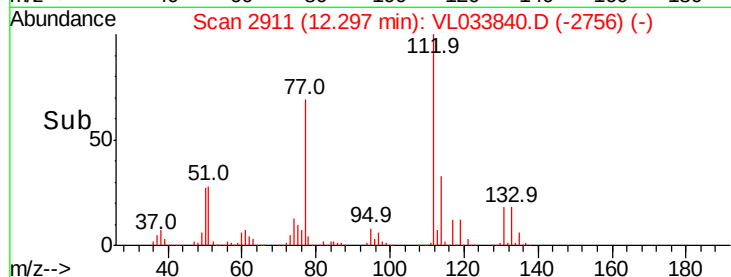
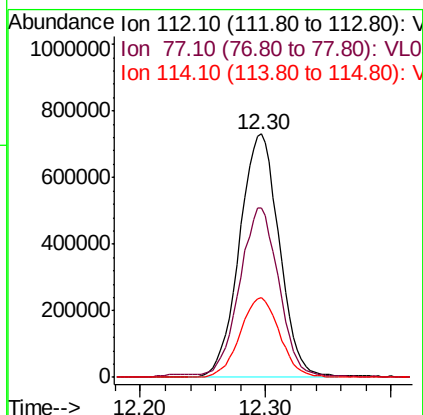
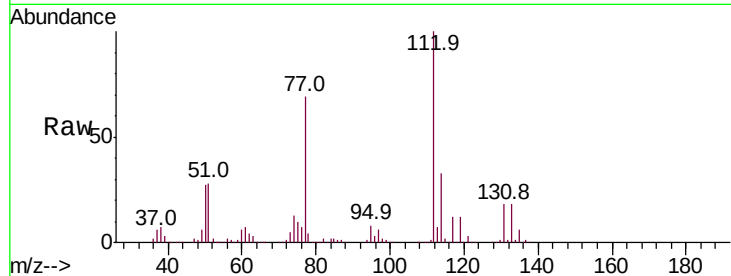
#57
Chlorobenzene
Concen: 9.709 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	68.7	55.4	83.0
114	32.5	29.3	35.8

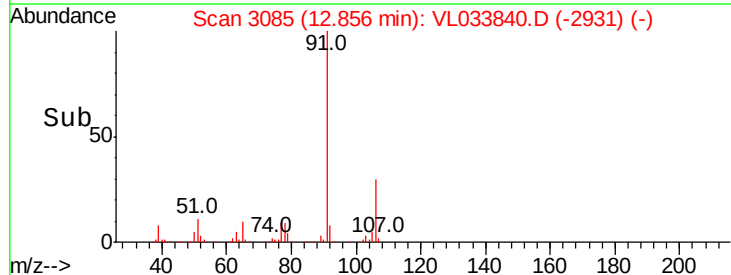
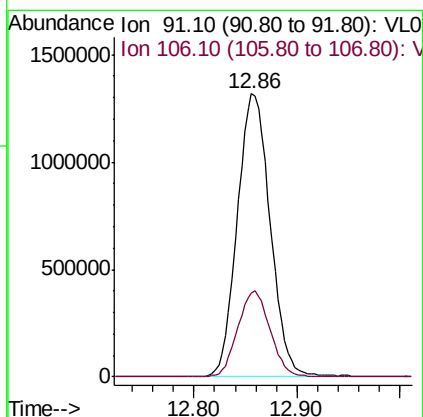
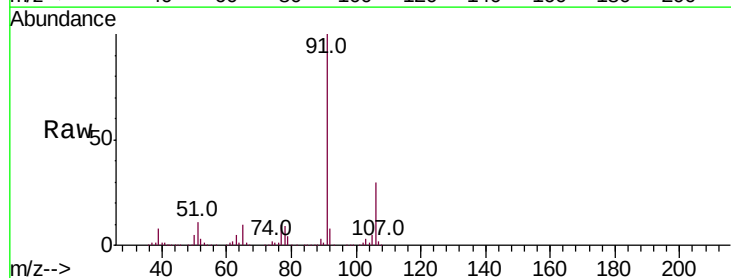
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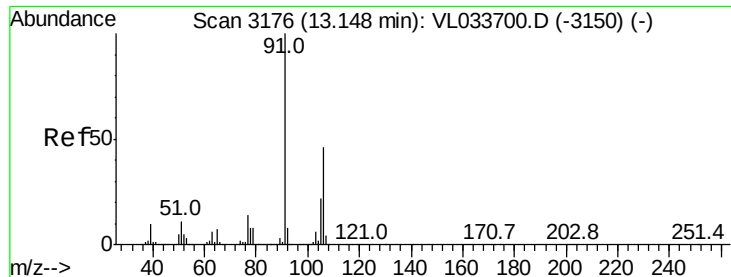
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#58
Ethyl Benzene
Concen: 10.973 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.9	35.9





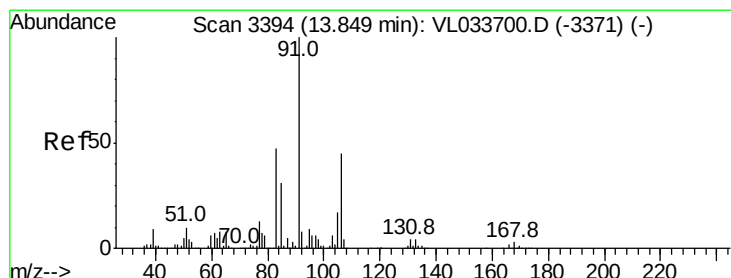
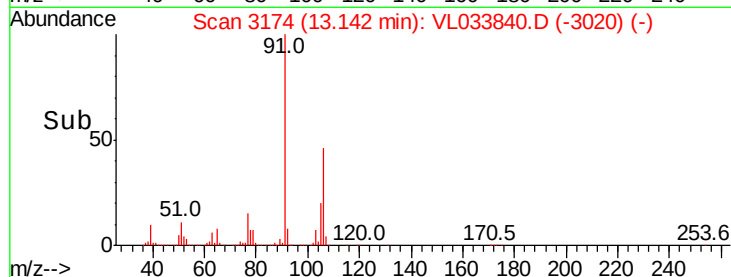
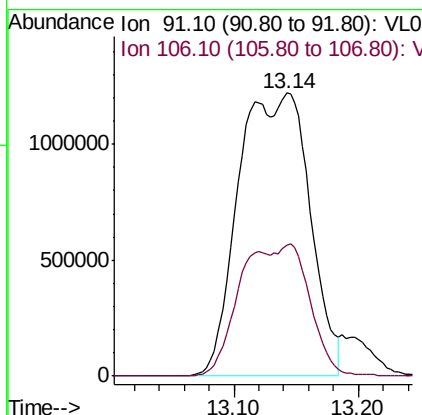
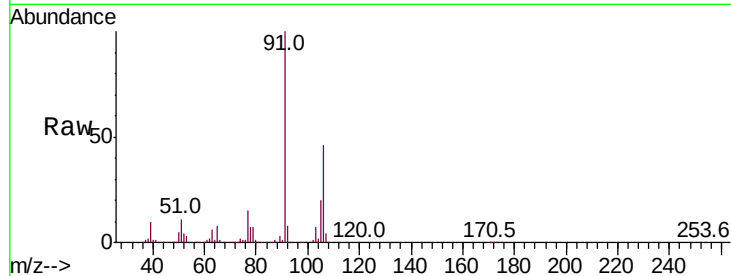
#59
m/p-Xylene
Concen: 20.794 ppbv m
RT: 13.14 min Scan# 3174
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 4853967
Ion Ratio Lower Upper
91 100
106 45.8 35.8 53.6

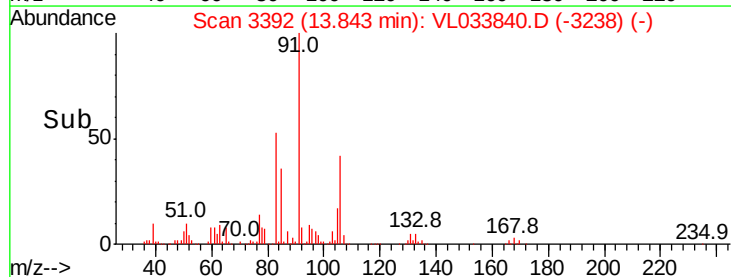
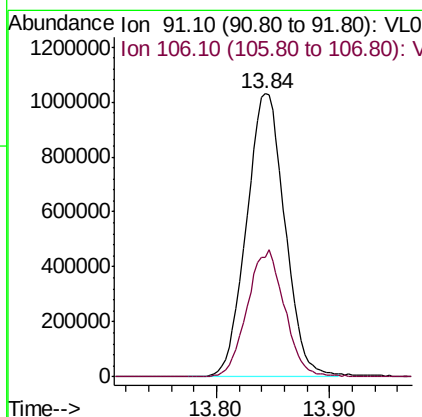
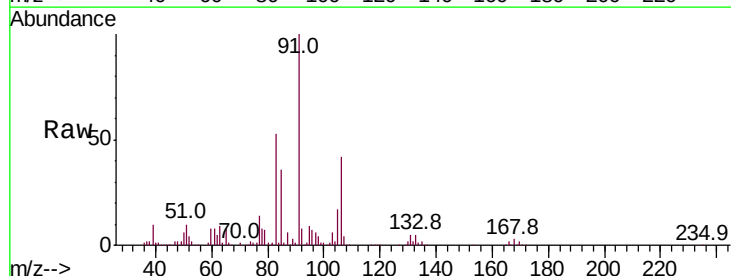
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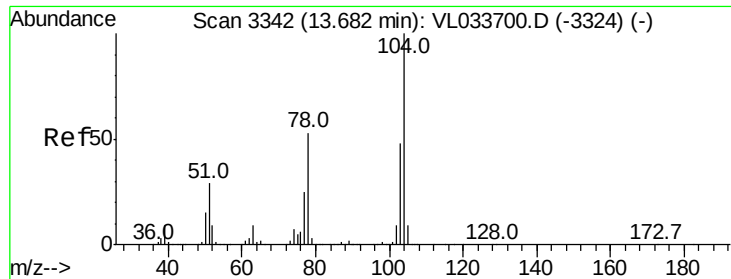
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#60
o-Xylene
Concen: 10.317 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 91 Resp: 2427656
Ion Ratio Lower Upper
91 100
106 44.0 21.6 64.8





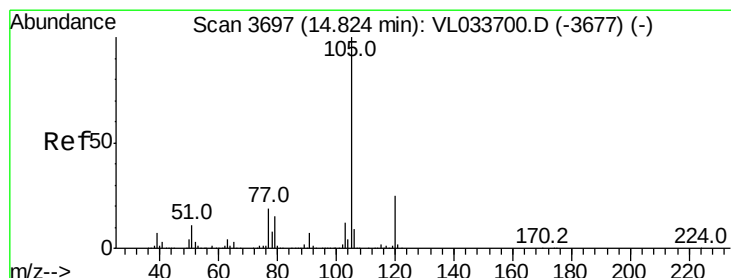
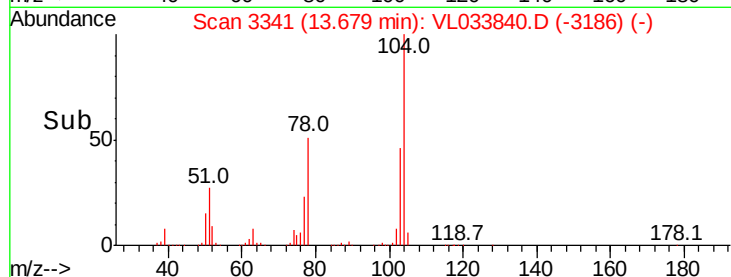
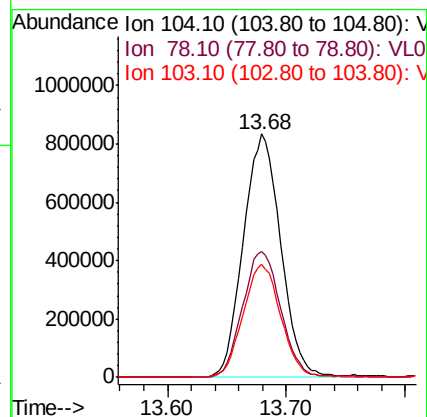
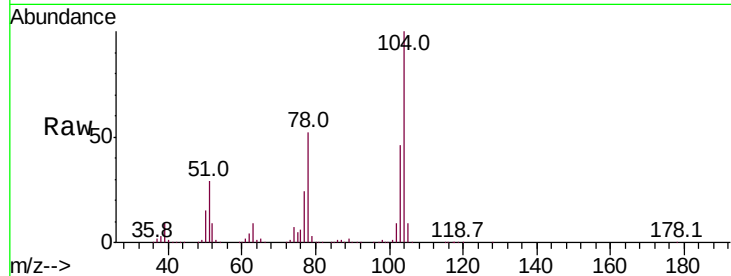
#61
Stvrene
Concen: 11.467 ppbv
RT: 13.68 min Scan# 3341
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:104 Resp: 1816697
Ion Ratio Lower Upper
104 100
78 53.1 42.6 64.0
103 46.9 37.8 56.6

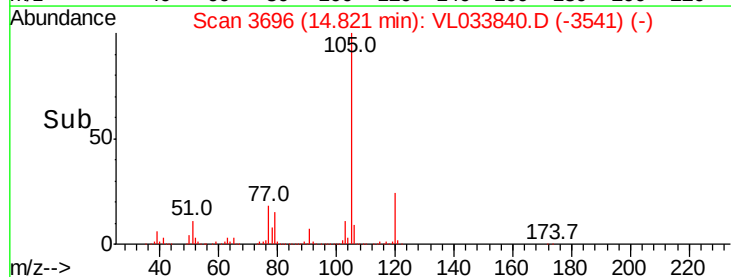
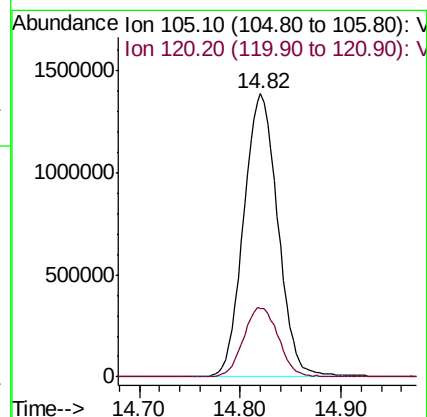
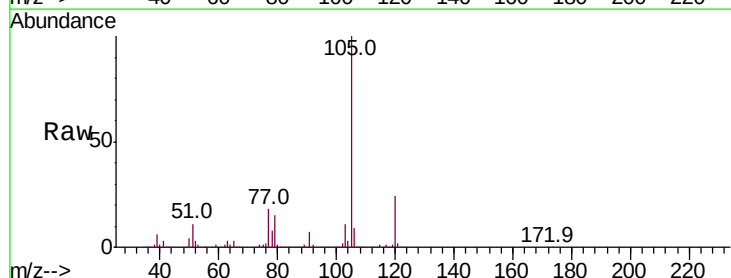
Manual Integrations
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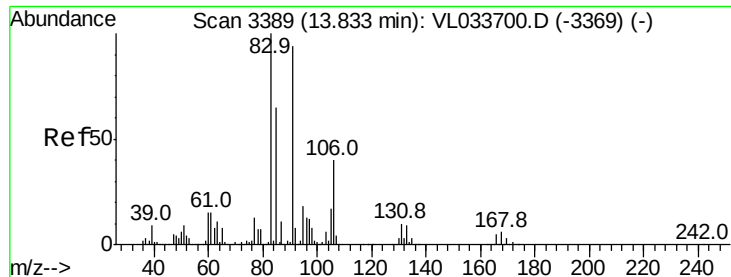
apatel
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#62
Isopropylbenzene
Concen: 10.268 ppbv
RT: 14.82 min Scan# 3696
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion:105 Resp: 3254040
Ion Ratio Lower Upper
105 100
120 25.3 20.1 30.1





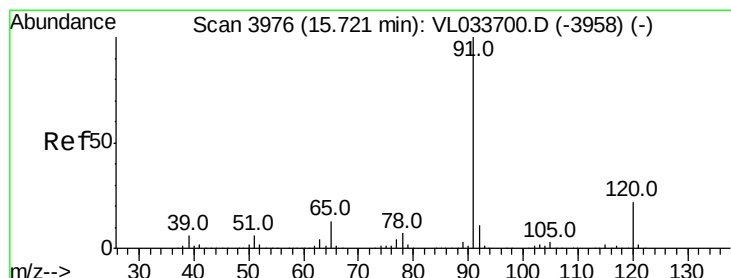
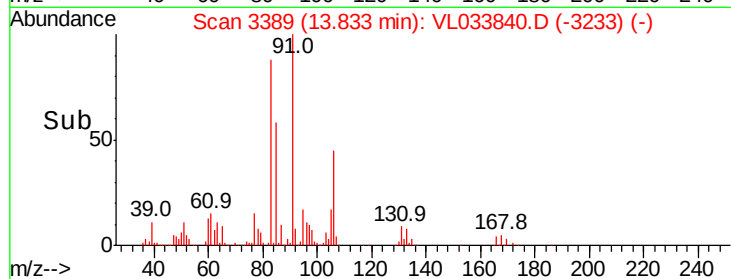
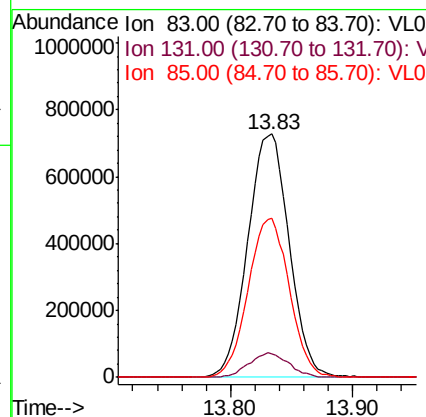
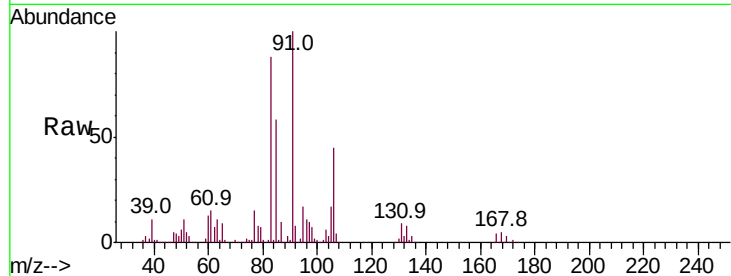
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.970 ppbv
 RT: 13.83 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VL033840.D
 Acq: 29 May 2019 16:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	83	Resp	1706114
Ion Ratio	100	Lower	Upper
83	100		
131	9.7	4.8	14.3
85	65.2	32.3	96.9

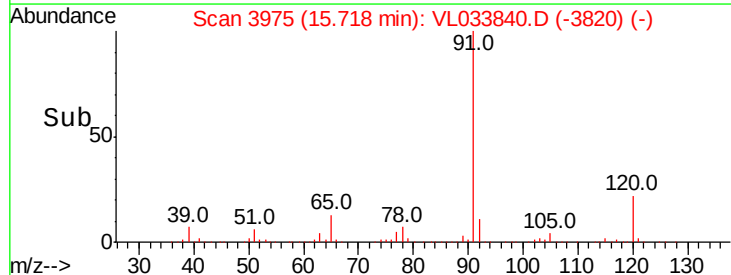
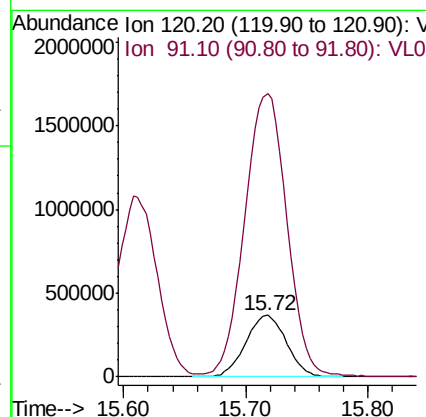
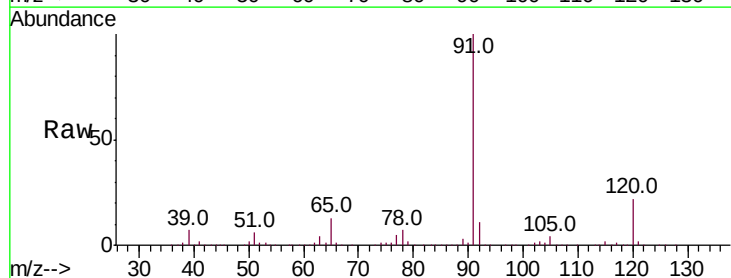
Manual Integrations
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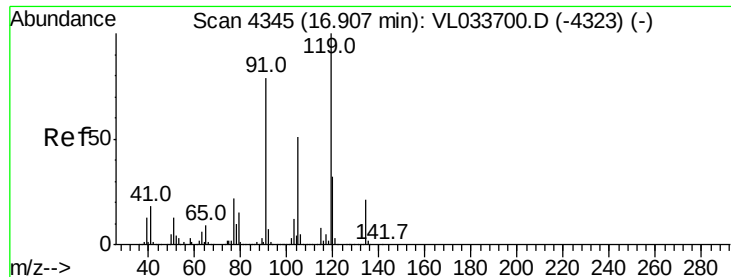
apatel
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#64
 n-propylbenzene
 Concen: 10.374 ppbv
 RT: 15.72 min Scan# 3975
 Delta R.T. -0.00 min
 Lab File: VL033840.D
 Acq: 29 May 2019 16:31

Tgt Ion	120	Resp	850342
Ion Ratio	100	Lower	Upper
120	100		
91	479.0	379.1	568.7





#65

tert-Butylbenzene

Concen: 10.148 ppbv

RT: 16.90 min Scan# 4344

Delta R.T. -0.00 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 2936295

Ion Ratio Lower Upper

119 100

91 81.7 65.3 97.9

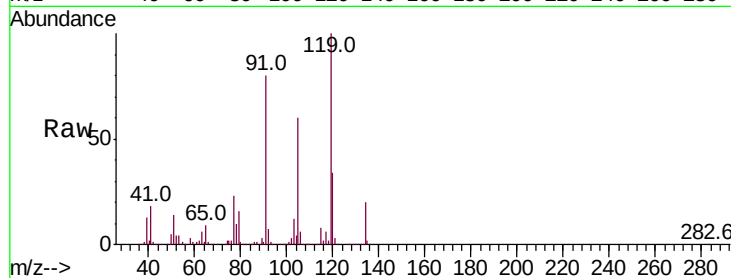
134 19.4 15.7 23.5

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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

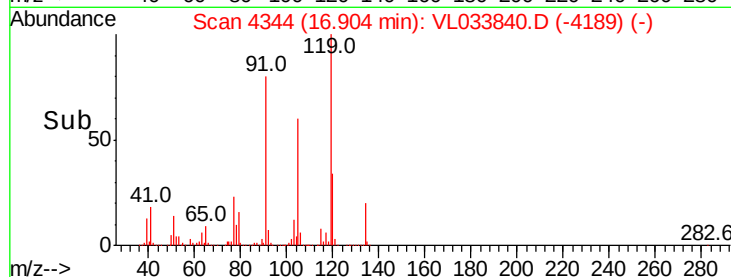
1500000

1000000

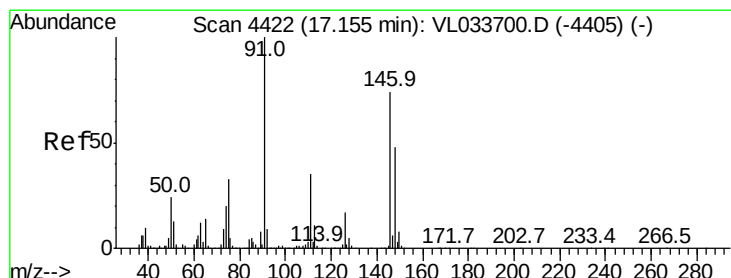
500000

0

16.80 16.90 17.00



Time-->



#66

Benzyl Chloride

Concen: 10.673 ppbv

RT: 17.15 min Scan# 4420

Delta R.T. -0.01 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

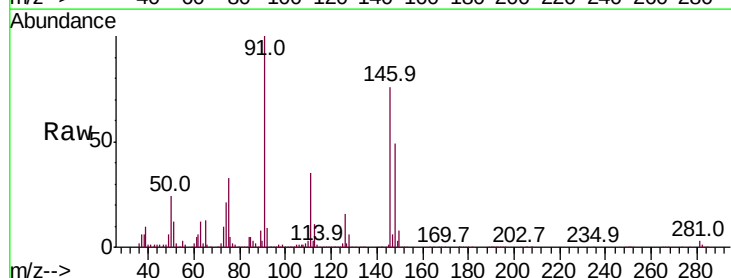
Tgt Ion: 91 Resp: 1470852

Ion Ratio Lower Upper

91 100

126 16.8 13.5 20.3

128 5.4 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

800000

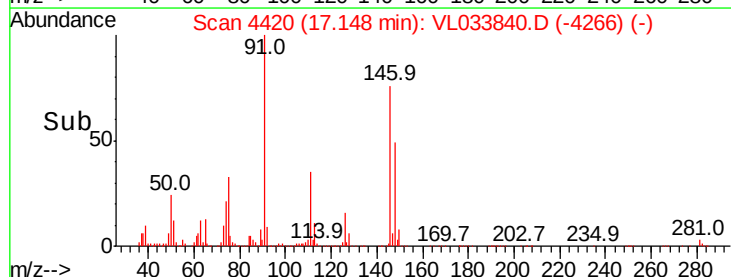
600000

400000

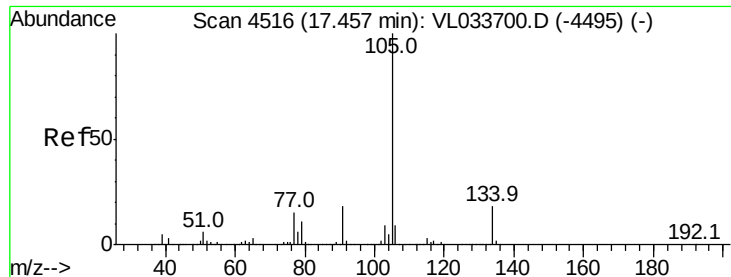
200000

0

17.10 17.15 17.20



Time-->



#67

sec-Butylbenzene

Concen: 10.094 ppbv

RT: 17.45 min Scan# 4515

Delta R.T. -0.00 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 4087688

Ion Ratio Lower Upper

105 100

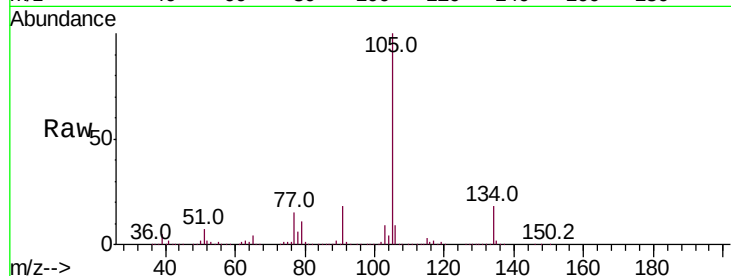
134 18.0 14.6 22.0

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2000000

1500000

1000000

500000

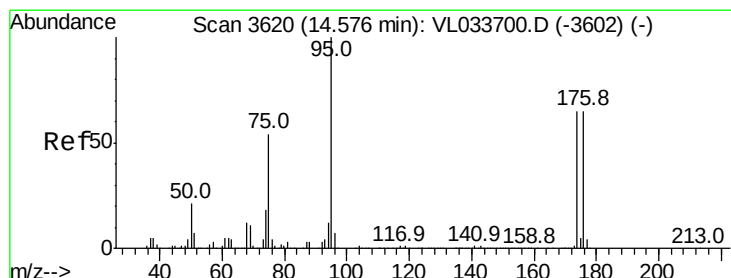
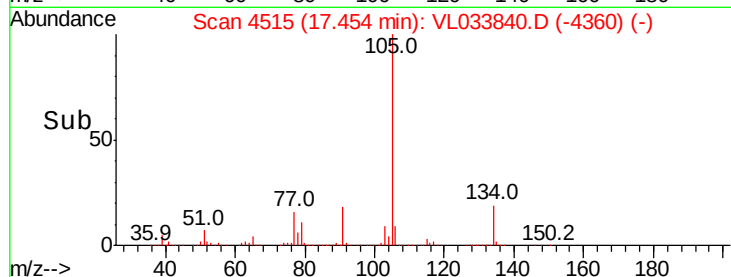
0

17.45

17.40

17.50

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.449 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

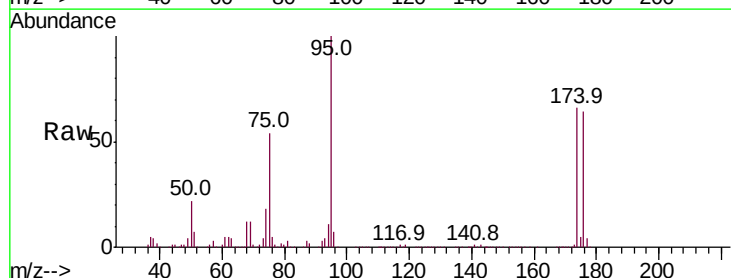
Tgt Ion: 95 Resp: 1544668

Ion Ratio Lower Upper

95 100

174 68.2 53.9 80.9

175 4.9 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

800000

600000

400000

200000

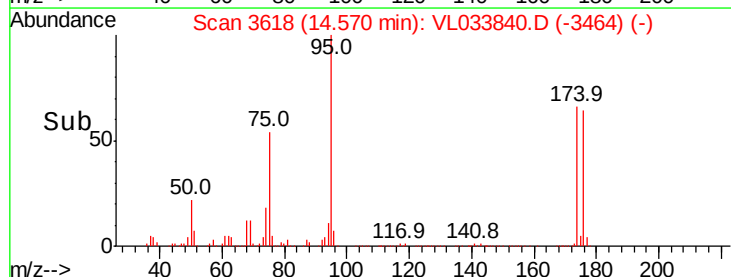
0

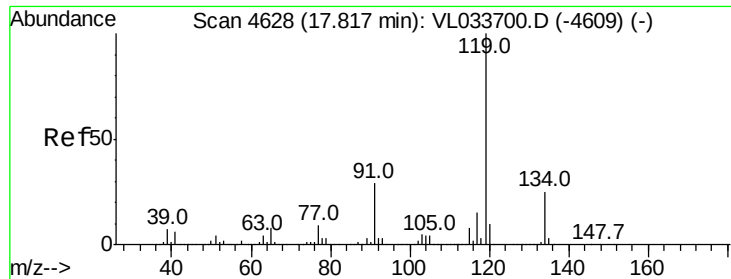
14.57

14.50

14.60

Time-->





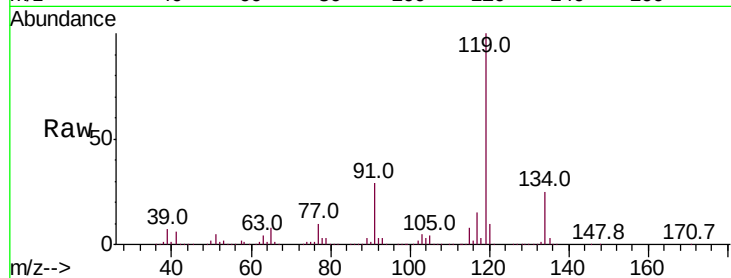
#69
 p-Isopropyltoluene
 Concen: 10.374 ppbv
 RT: 17.81 min Scan# 4626
 Delta R.T. -0.01 min
 Lab File: VL033840.D
 Acq: 29 May 2019 16:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

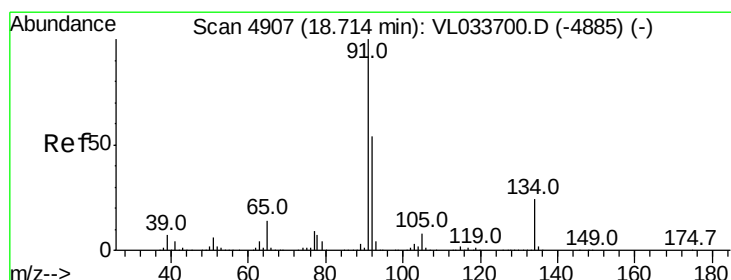
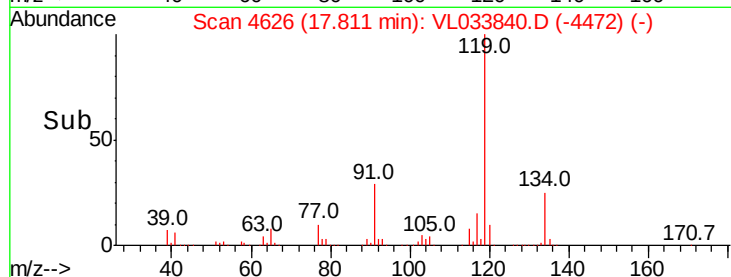
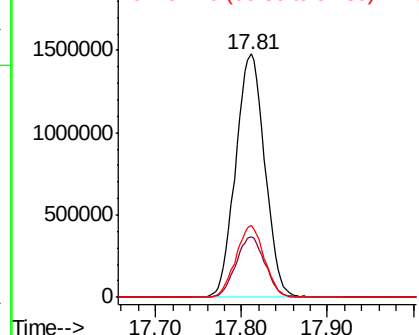
Tot Ion	Ratio	Lower	Upper
119	100		
134	24.9	20.3	30.5
91	29.0	23.1	34.7

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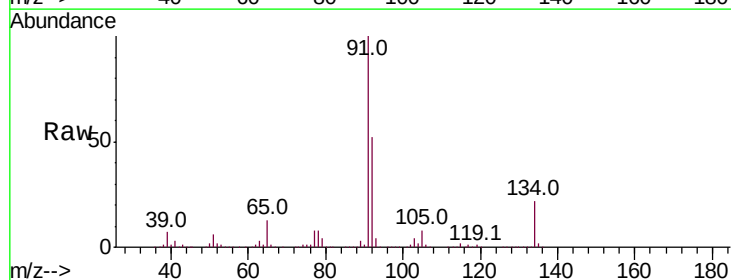


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

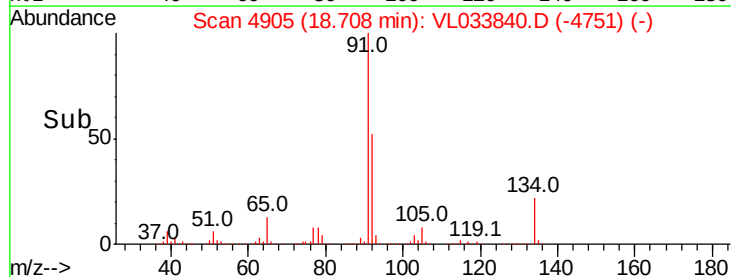
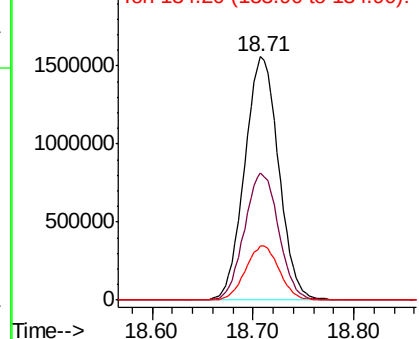


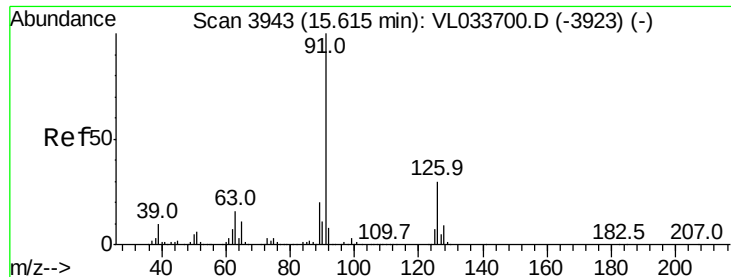
#70
 n-Butylbenzene
 Concen: 10.140 ppbv
 RT: 18.71 min Scan# 4905
 Delta R.T. -0.01 min
 Lab File: VL033840.D
 Acq: 29 May 2019 16:31

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	42.6	63.8
134	22.1	18.1	27.1



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 10.455 ppbv

RT: 15.61 min Scan# 3941

Delta R.T. -0.01 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2458207

Ion Ratio Lower Upper

91 100

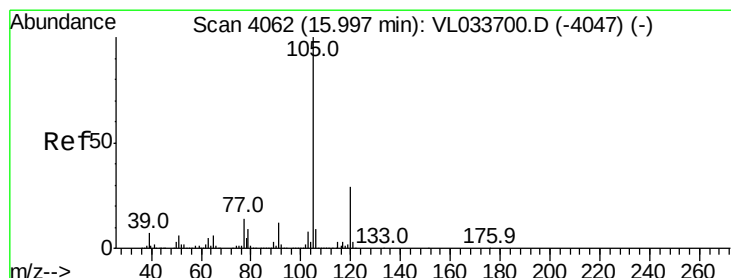
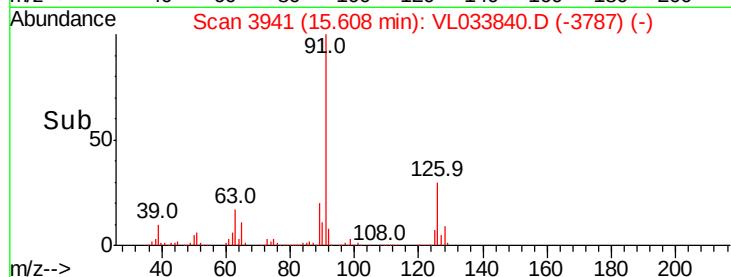
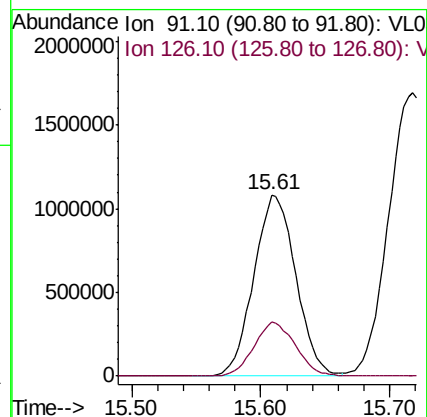
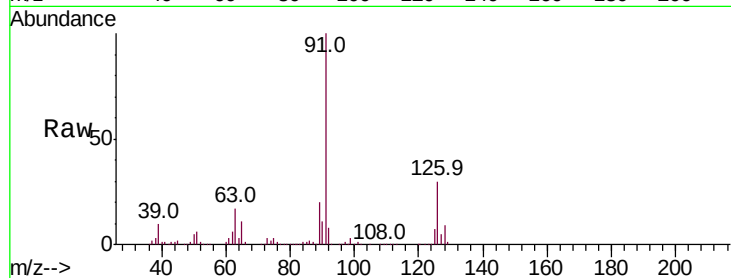
126 29.8 12.0 47.8

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#72

4-Ethyltoluene

Concen: 10.847 ppbv

RT: 15.99 min Scan# 4061

Delta R.T. -0.00 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Tgt Ion:105 Resp: 2918284

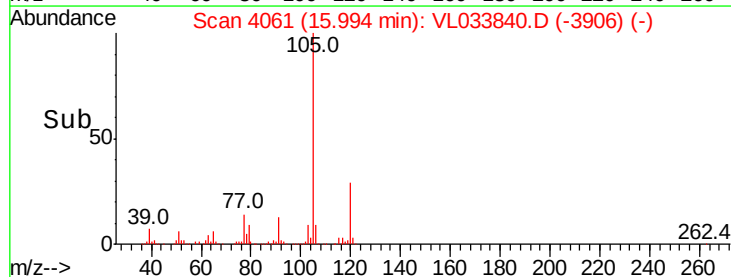
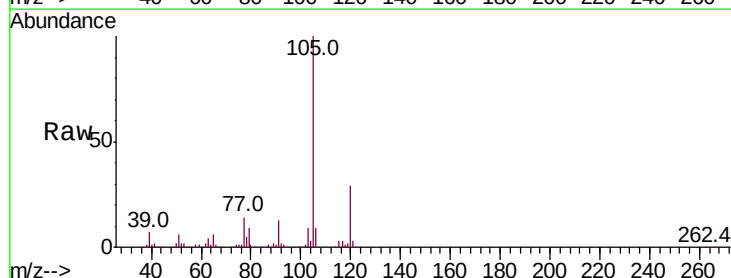
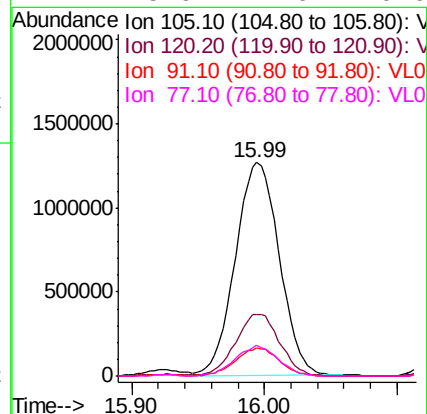
Ion Ratio Lower Upper

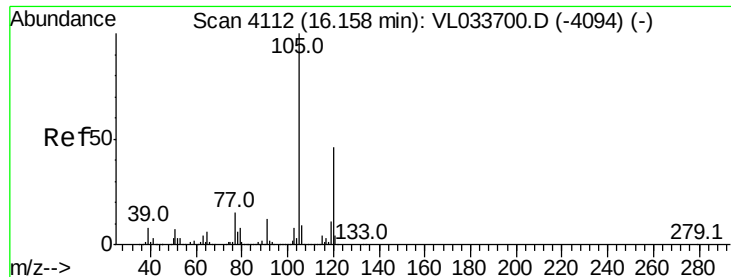
105 100

120 29.1 23.1 34.7

91 13.1 10.4 15.6

77 13.9 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 10.594 ppbv

RT: 16.15 min Scan# 4110

Delta R.T. -0.01 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 2781086

Ion Ratio Lower Upper

105 100

120 46.2

37.0

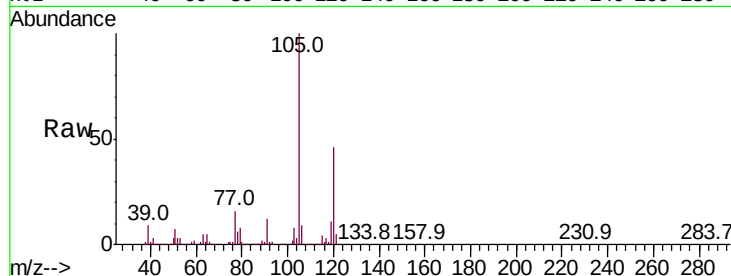
55.4

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.15

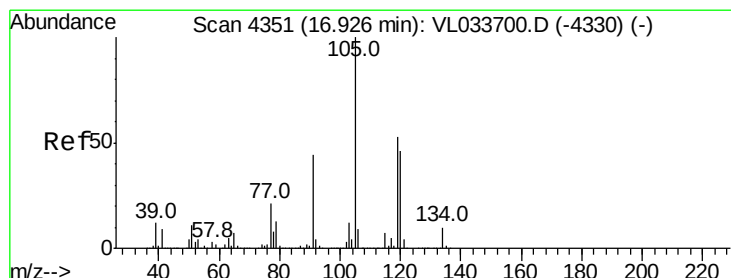
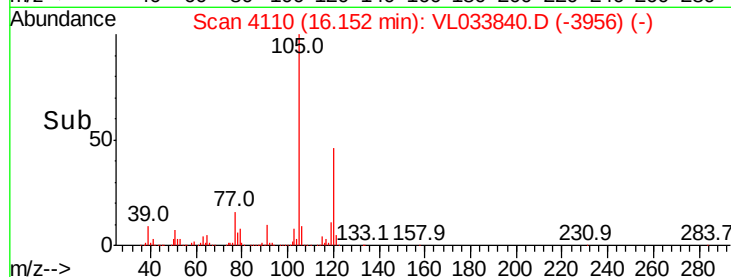
1000000

500000

0

16.10 16.20

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.875 ppbv

RT: 16.92 min Scan# 4349

Delta R.T. -0.01 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Tgt Ion:105 Resp: 2821165

Ion Ratio Lower Upper

105 100

120 47.3

36.8

55.2

91 48.5

35.4

53.0

77 20.3

16.8

25.2

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

1500000

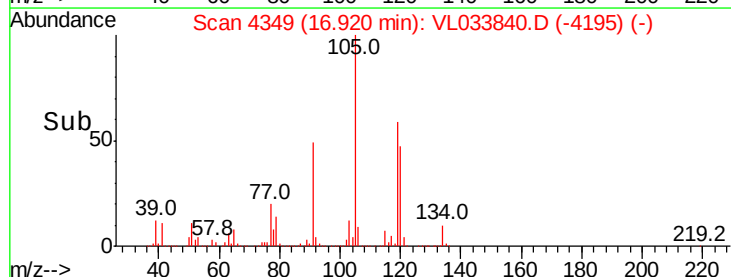
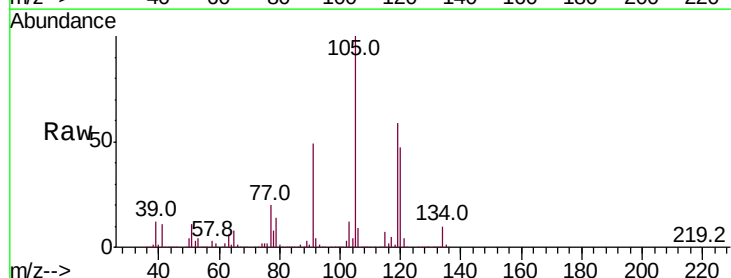
1000000

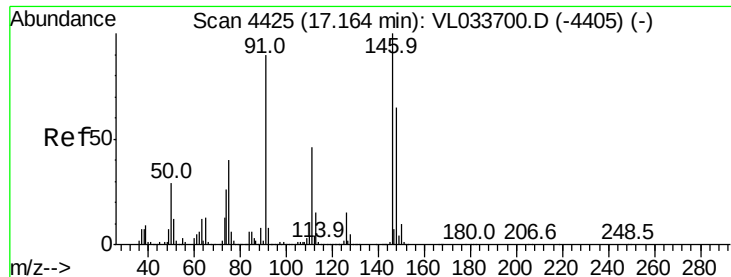
500000

0

16.80 16.90 17.00

Time-->





#75

1,3-Dichlorobenzene

Concen: 9.288 ppbv

RT: 17.16 min Scan# 4424

Delta R.T. -0.00 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 1626084

Ion Ratio Lower Upper

146 100

111 45.4 22.9 68.8

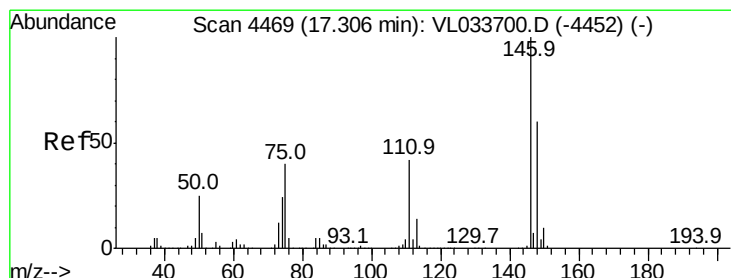
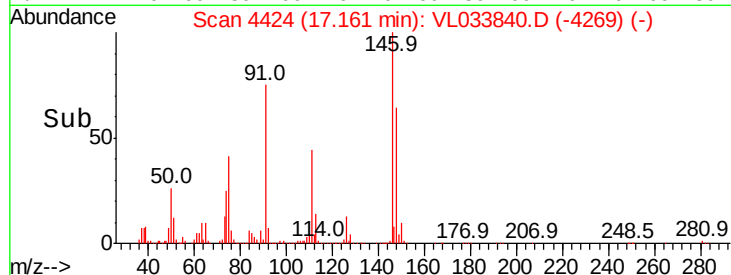
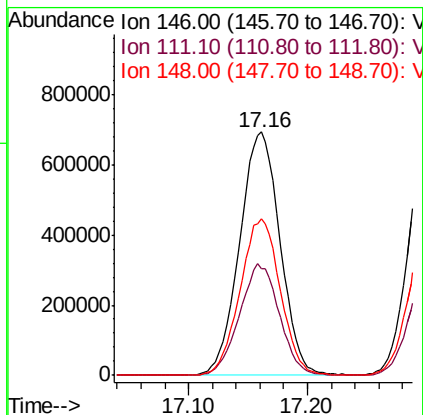
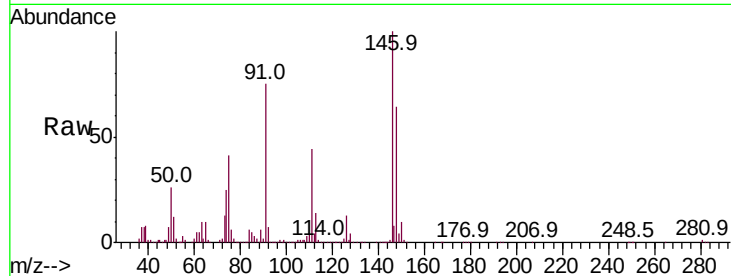
148 64.2 32.0 96.2

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#76

1,4-Dichlorobenzene

Concen: 9.711 ppbv

RT: 17.30 min Scan# 4468

Delta R.T. -0.00 min

Lab File: VL033840.D

Acq: 29 May 2019 16:31

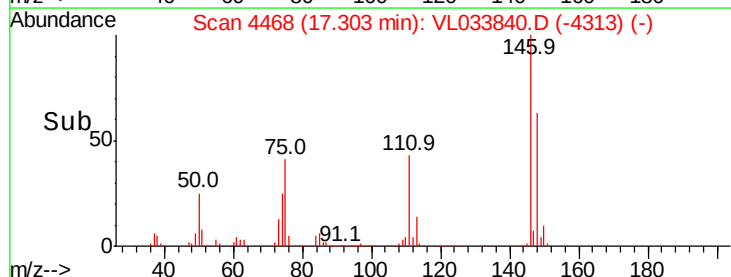
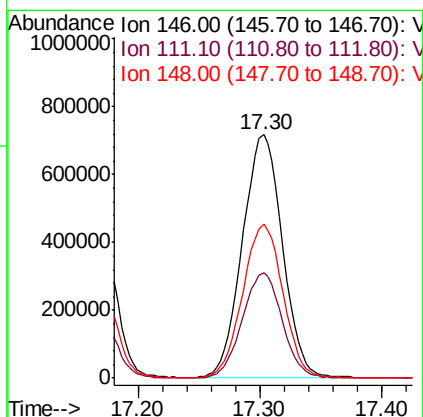
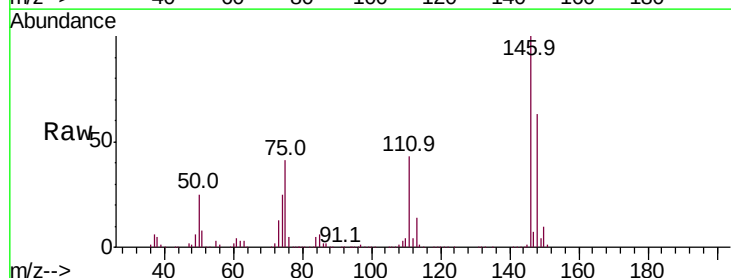
Tgt Ion:146 Resp: 1615892

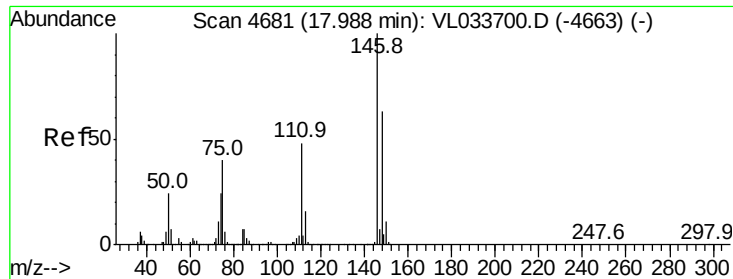
Ion Ratio Lower Upper

146 100

111 43.6 21.9 65.8

148 64.4 32.1 96.3





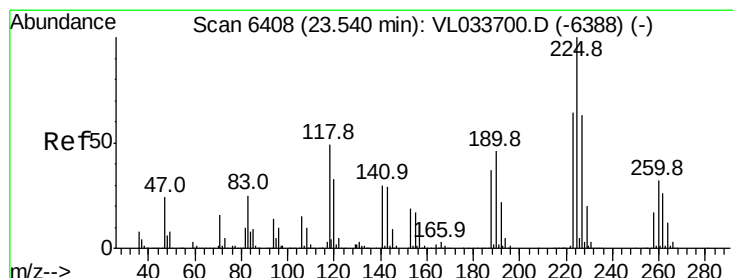
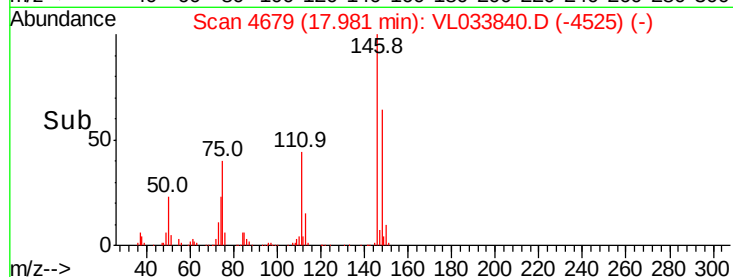
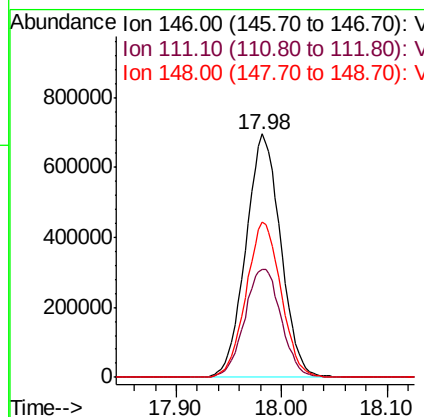
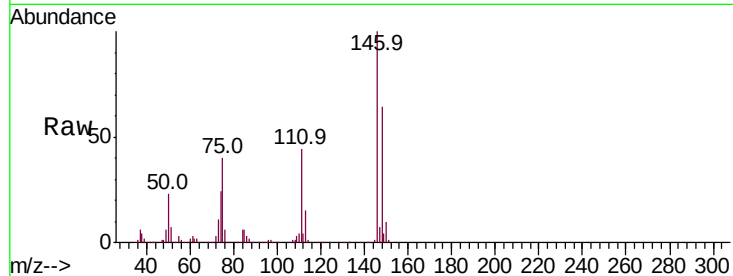
#77
 1,2-Dichlorobenzene
 Concen: 9.734 ppbv
 RT: 17.98 min Scan# 4679
 Delta R.T. -0.01 min
 Lab File: VL033840.D
 Acq: 29 May 2019 16:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.6	23.5	70.5
148	64.2	32.1	96.3

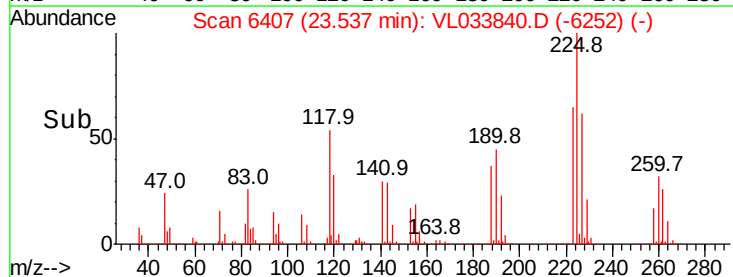
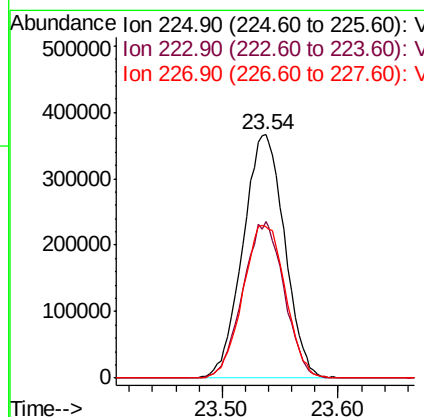
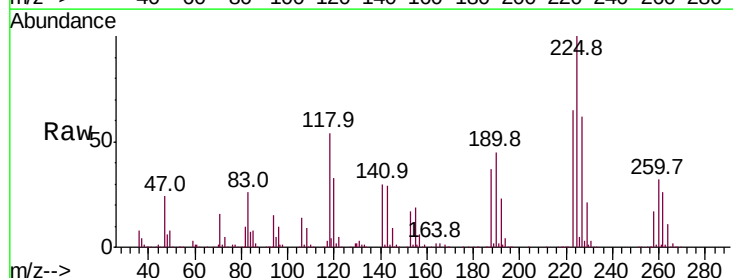
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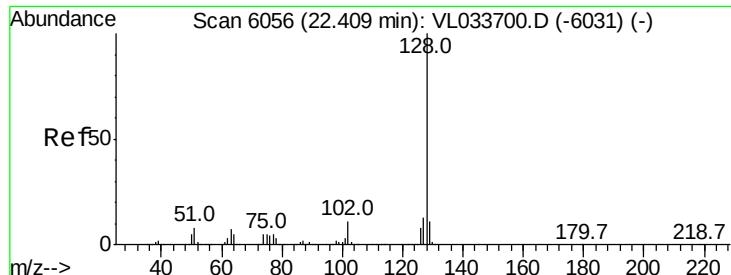
apatel
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.369 ppbv
 RT: 23.54 min Scan# 6407
 Delta R.T. -0.00 min
 Lab File: VL033840.D
 Acq: 29 May 2019 16:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.2	75.4
227	64.1	50.7	76.1





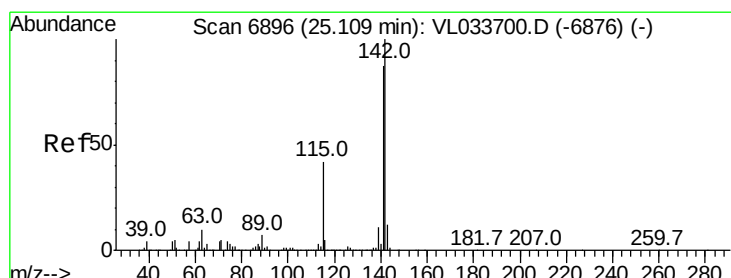
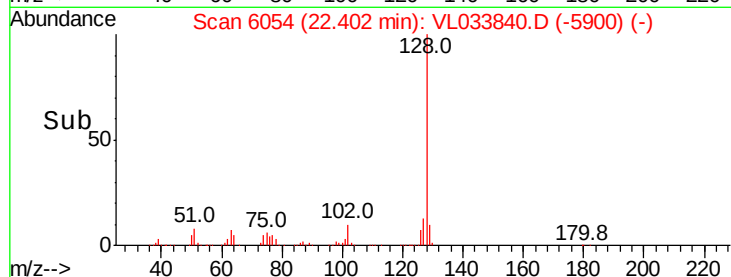
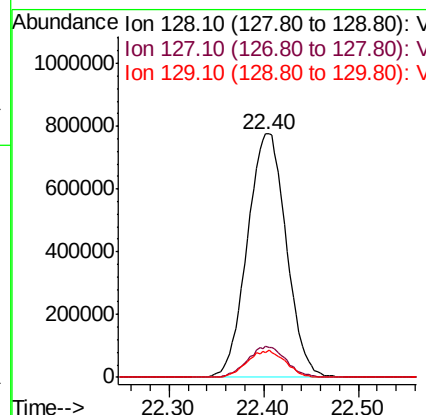
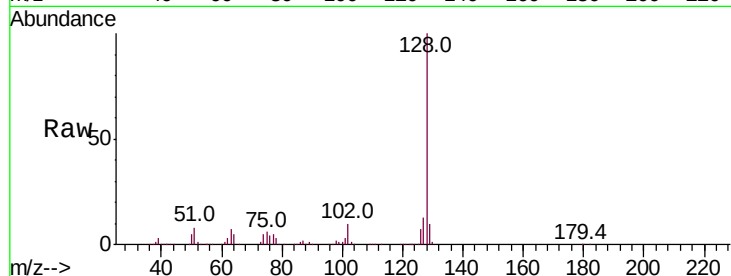
#79
Naphthalene
Concen: 8.344 ppbv
RT: 22.40 min Scan# 6054
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.3	8.9	13.3

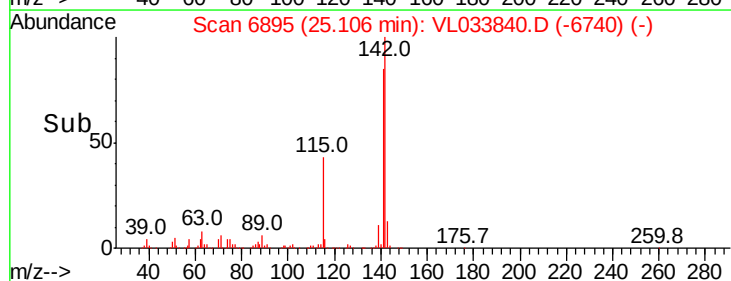
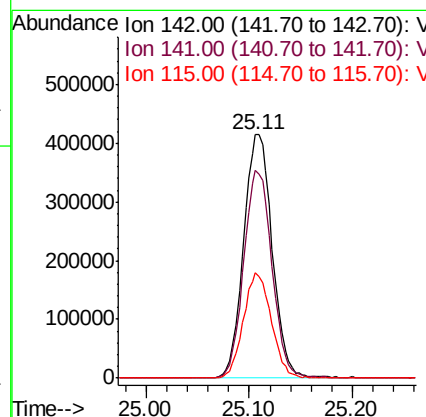
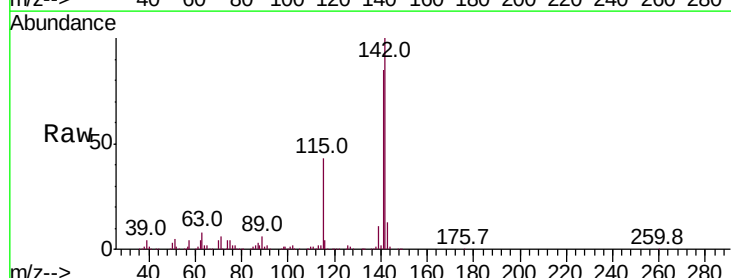
Manual Integrations
APPROVED

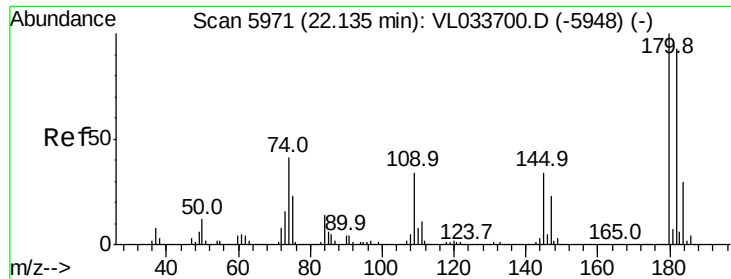
apatel
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#80
Naphthalene, 2-methyl-
Concen: 7.947 ppbv
RT: 25.11 min Scan# 6895
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.9	67.2	100.8
115	42.0	34.1	51.1





#81
 1,2,4-Trichlorobenzene
 Concen: 8.336 ppbv
 RT: 22.13 min Scan# 5968
 Delta R.T. -0.01 min
 Lab File: VL033840.D
 Acq: 29 May 2019 16:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.1	114.1
184	30.6	24.6	37.0

Manual Integrations
 APPROVED

apatel
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