

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052919\
 Data File : VL033872.D
 Acq On : 30 May 2019 16:00
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

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 5/31/2019 2:51:10 PM

Quant Time: May 31 08:20:40 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	740031	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1673647	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	1790907m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1437007	9.90	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.07	85	1314937	8.431	ppbv 97
3) Chlorodifluoromethane	3.01	51	1010914	11.926	ppbv 98
4) Chloromethane	3.16	50	583944	12.044	ppbv 99
5) Vinyl Chloride	3.29	62	584695	11.839	ppbv 99
6) Bromomethane	3.51	94	370755	12.303	ppbv 99
7) Chloroethane	3.60	64	219597	12.511	ppbv 93
8) Dichlorotetrafluoroethane	3.22	85	1543324	12.274	ppbv 99
9) Propene	3.03	41	429977	11.926	ppbv 98
10) Heptane	8.24	43	1103921	10.812	ppbv 100
11) Trichlorofluoromethane	4.00	101	1821451	12.237	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1237214	11.903	ppbv 99
13) Ethanol	3.64	45	99867	8.570	ppbv 100
14) Bromoethene	3.78	108	487644	12.761	ppbv 99
15) Acetone	3.89	43	1129878	11.004	ppbv 99
16) 1,3-Butadiene	3.36	39	522848	12.787	ppbv 100
17) tert-Butyl alcohol	4.35	59	1102191	13.275	ppbv 99
18) 1,1-Dichloroethene	4.34	96	539131	12.289	ppbv 99
19) Isopropyl Alcohol	4.02	45	825657	12.472	ppbv 100
20) Methylene Chloride	4.40	84	458191	11.590	ppbv 98
21) Allyl Chloride	4.47	41	775756	12.113	ppbv 100
22) trans-1,2-Dichloroethene	4.96	96	551095	12.255	ppbv 93
23) Vinyl Acetate	5.15	43	1601582	11.830	ppbv 99
24) 1,1-Dichloroethane	5.09	63	1157707	11.250	ppbv 99
25) Ethyl Acetate	5.76	43	2000973	11.094	ppbv 100
26) Hexane	5.77	57	871661	11.241	ppbv 97
27) Carbon Disulfide	4.62	76	1355345	12.741	ppbv 100
28) Methyl tert-Butyl Ether	5.11	73	1514869	11.984	ppbv 100
29) Chloroform	5.84	83	1524259	10.672	ppbv 99
30) Cyclohexane	7.24	84	710616	10.901	ppbv 98
31) cis-1,2-Dichloroethene	5.63	61	890627	11.584	ppbv 96
32) 1,1,1-Trichloroethane	6.61	97	1606828	11.267	ppbv 99
34) 2-Butanone	5.32	43	1267031	12.213	ppbv 99
35) Carbon Tetrachloride	7.13	117	1711829	12.768	ppbv 99
36) Benzene	7.00	78	1743225	11.450	ppbv 99
37) 1,2-Dichloroethane	6.41	62	1190358	12.121	ppbv 99
38) Trichloroethene	7.96	130	739637	13.093	ppbv 99
39) 1,2-Dichloropropane	7.73	63	657269	11.580	ppbv 98
40) 1,4-Dioxane	7.95	88	280248	11.803	ppbv # 99
41) Tetrahydrofuran	6.14	42	684913	11.783	ppbv 99
42) Bromodichloromethane	7.91	83	1651209	12.281	ppbv 99
43) Methyl Methacrylate	8.13	69	708084	12.638	ppbv 99

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Manual Integrations
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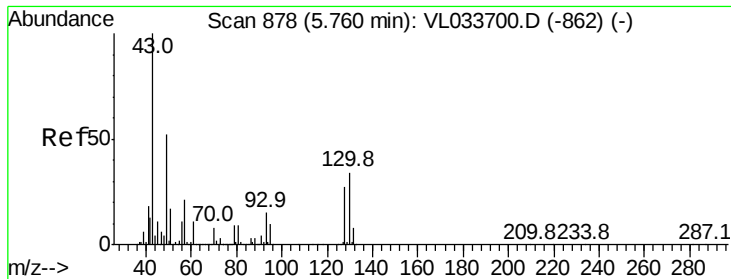
apatel
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 1
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.98	57	3025363	11.758	ppbv	98
45) t-1,3-Dichloropropene	9.41	75	971226	13.673	ppbv	99
46) cis-1,3-Dichloropropene	8.83	75	1093449	13.147	ppbv	99
47) 1,1,2-Trichloroethane	9.61	97	752588	11.671	ppbv	98
48) Dibromochloromethane	10.44	129	1435380	12.847	ppbv	100
49) Bromoform	13.20	173	1283661	13.655	ppbv	99
50) 4-Methyl-2-Pentanone	8.86	43	1938515	12.149	ppbv	99
51) 2-Hexanone	10.26	43	1592839	12.790	ppbv #	98
52) Tetrachloroethene	11.36	164	682838	12.759	ppbv	99
53) Toluene	9.94	91	2079144	12.662	ppbv	100
54) 1,2-Dibromoethane	10.75	107	1189822	12.091	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.27	131	973401	11.746	ppbv	97
57) Chlorobenzene	12.29	112	1662151	11.275	ppbv	99
58) Ethyl Benzene	12.86	91	2910684	12.273	ppbv	100
59) m/p-Xylene	13.14	91	4956661m	23.909	ppbv	
60) o-Xylene	13.84	91	2518417	12.050	ppbv	100
61) Styrene	13.68	104	1813458	12.888	ppbv	99
62) Isopropylbenzene	14.82	105	3340702	11.870	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	1768751	11.638	ppbv	99
64) n-propylbenzene	15.71	120	889081	12.213	ppbv	99
65) tert-Butylbenzene	16.90	119	3181397	12.381	ppbv	98
66) Benzyl Chloride	17.15	91	1634817	13.358	ppbv	100
67) sec-Butylbenzene	17.45	105	4402463	12.241	ppbv	99
69) p-Isopropyltoluene	17.81	119	3695295	12.431	ppbv	99
70) n-Butylbenzene	18.71	91	3844030	12.058	ppbv	100
71) 2-Chlorotoluene	15.61	91	2563001	12.274	ppbv	100
72) 4-Ethyltoluene	15.99	105	3015392	12.619	ppbv	99
73) 1,3,5-Trimethylbenzene	16.15	105	2893544	12.411	ppbv	98
74) 1,2,4-Trimethylbenzene	16.92	105	3063674	12.075	ppbv	98
75) 1,3-Dichlorobenzene	17.16	146	1770576	11.388	ppbv	100
76) 1,4-Dichlorobenzene	17.30	146	1739320	11.770	ppbv	100
77) 1,2-Dichlorobenzene	17.98	146	1680027	11.499	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	1185305	10.731	ppbv	99
79) Naphthalene	22.40	128	2184917	9.271	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	821861	9.178	ppbv	99
81) 1,2,4-Trichlorobenzene	22.12	180	1295808	9.390	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. 0.00 min

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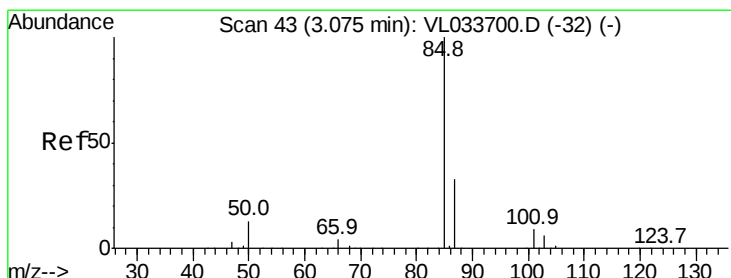
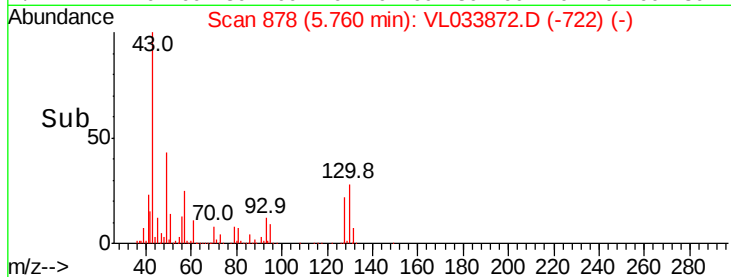
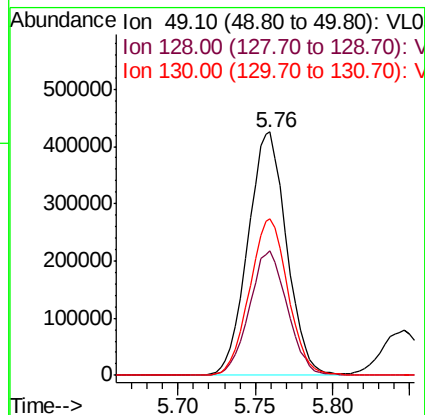
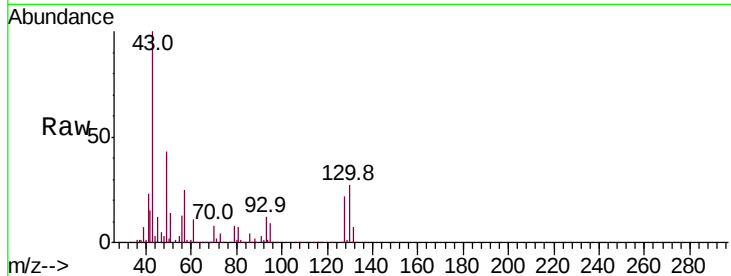
ClientSampleId :

VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
49	100		
128	50.4	25.2	75.6
130	64.1	32.5	97.5

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#2

Dichlorodifluoromethane

Concen: 8.431 ppbv

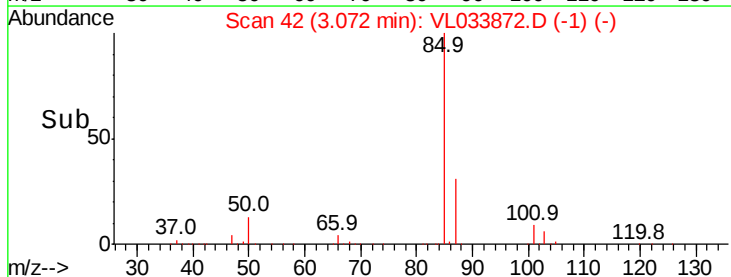
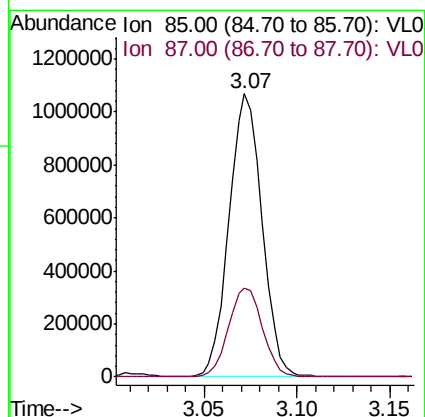
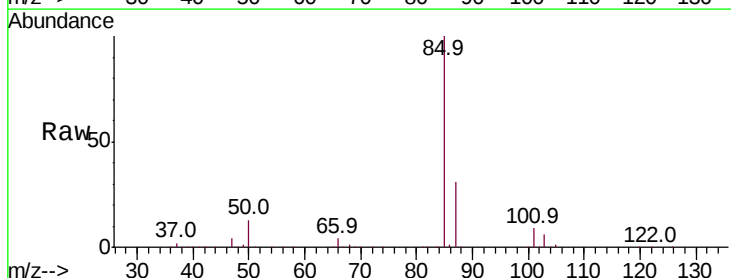
RT: 3.07 min Scan# 42

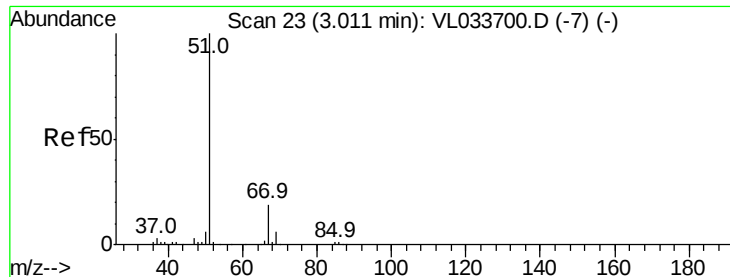
Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.2	26.3	39.5





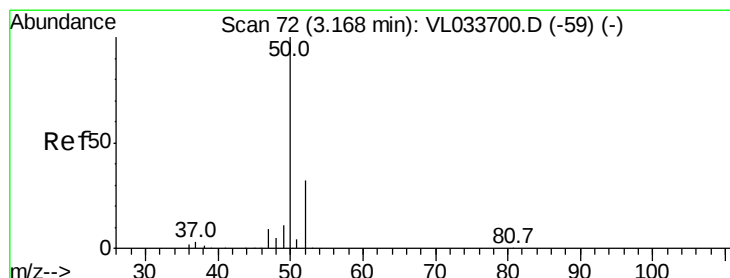
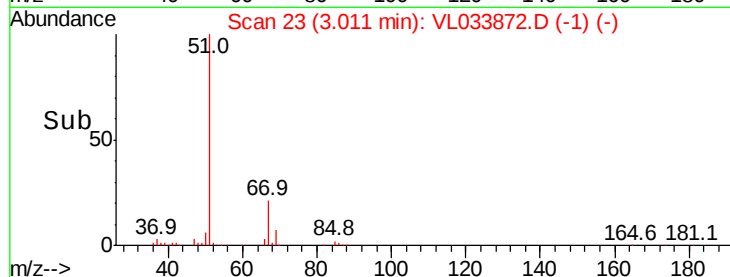
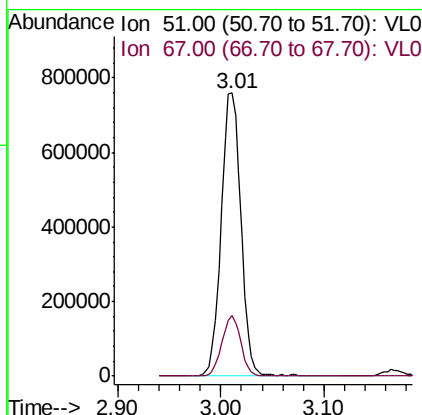
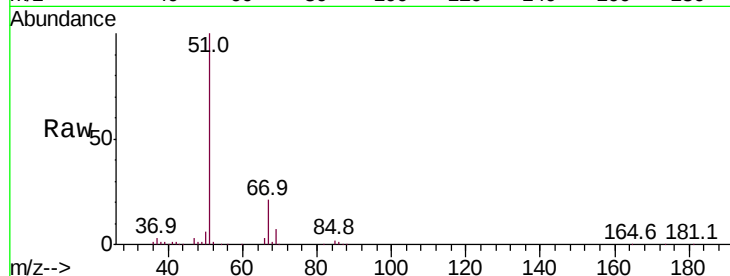
#3
Chlorodifluoromethane
Concen: 11.926 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Instrument :
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VSTDCCC010EC

Tot Ion: 51 Resp: 1010914
Ion Ratio Lower Upper
51 100
67 20.6 15.6 23.4

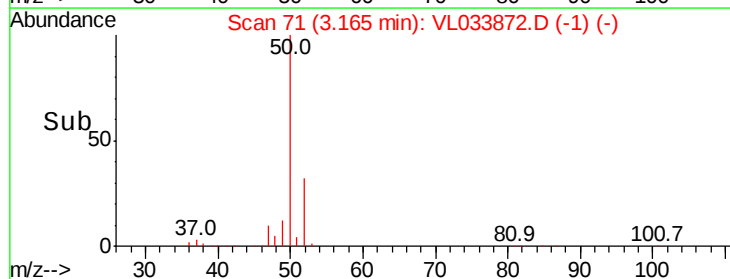
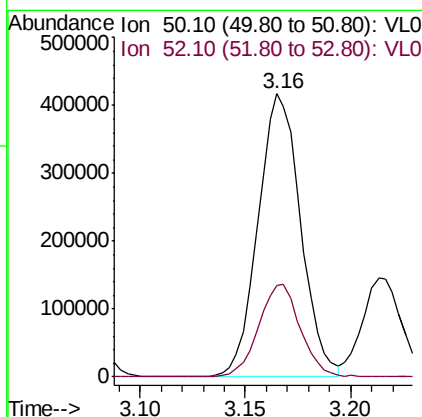
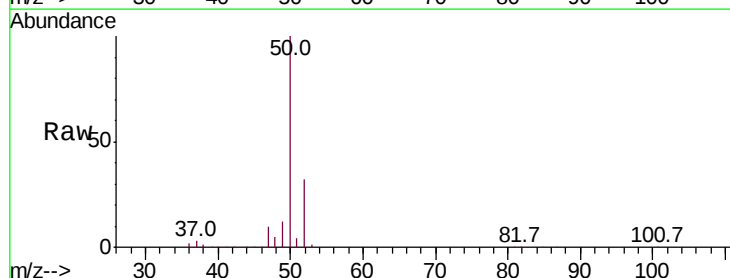
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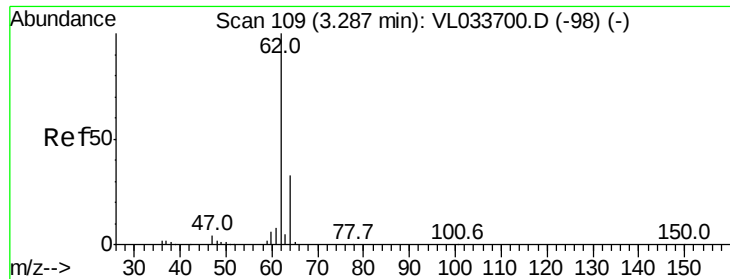
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#4
Chloromethane
Concen: 12.044 ppbv
RT: 3.16 min Scan# 71
Delta R.T. -0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Tgt Ion: 50 Resp: 583944
Ion Ratio Lower Upper
50 100
52 32.5 25.7 38.5





#5

Vinyl Chloride

Concen: 11.839 ppbv

RT: 3.29 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleID :

VSTDCCC010EC

Tot Ion: 62 Resp: 584695

Ion Ratio Lower Upper

62 100

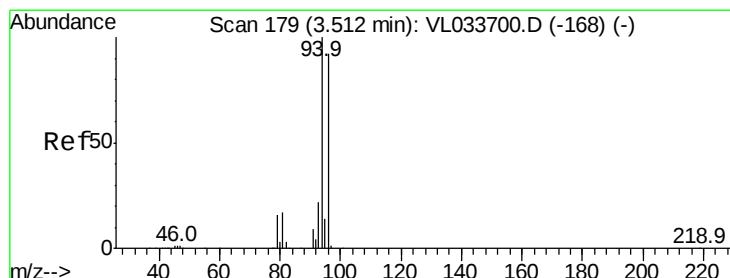
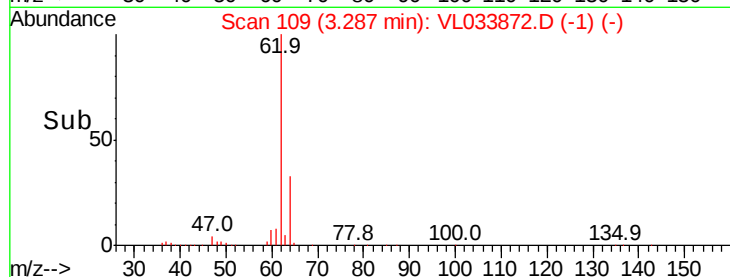
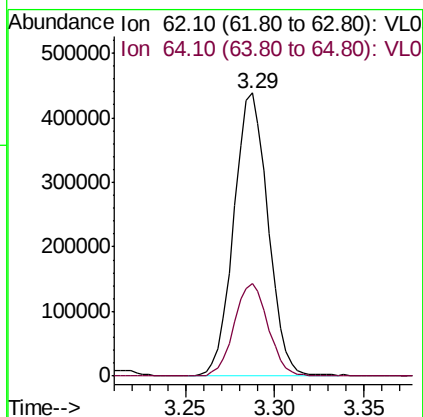
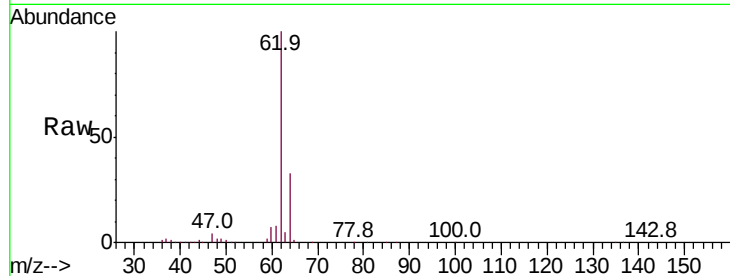
64 32.6 26.4 39.6

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#6

Bromomethane

Concen: 12.303 ppbv

RT: 3.51 min Scan# 178

Delta R.T. -0.00 min

Lab File: VL033872.D

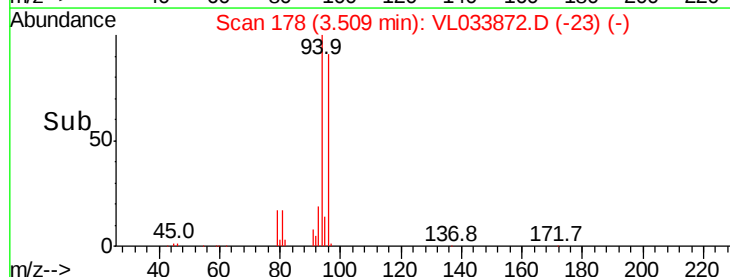
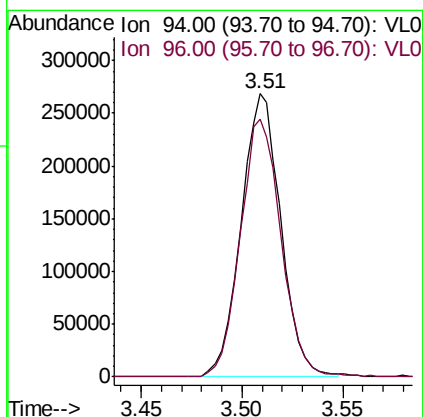
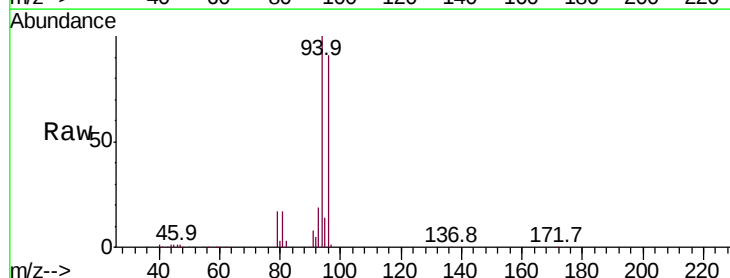
Acq: 30 May 2019 16:00

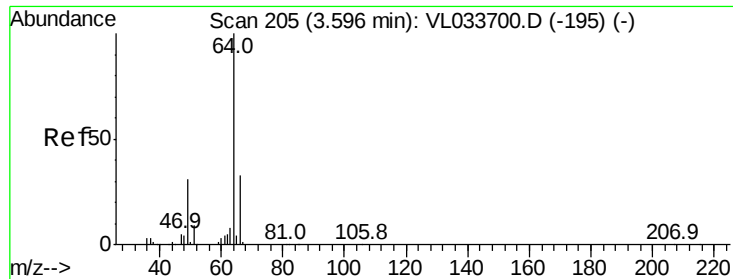
Tgt Ion: 94 Resp: 370755

Ion Ratio Lower Upper

94 100

96 91.0 73.6 110.4





#7

Chloroethane

Concen: 12.511 ppbv

RT: 3.60 min Scan# 205

Delta R.T. 0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 219597

Ion Ratio Lower Upper

64 100

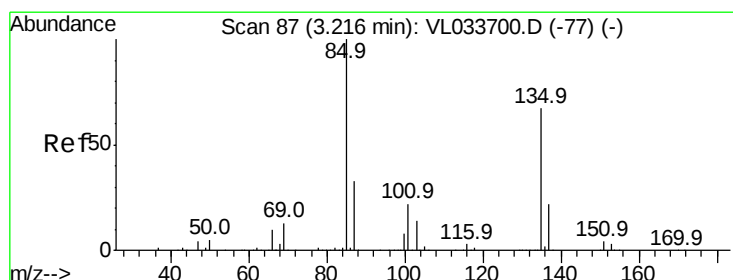
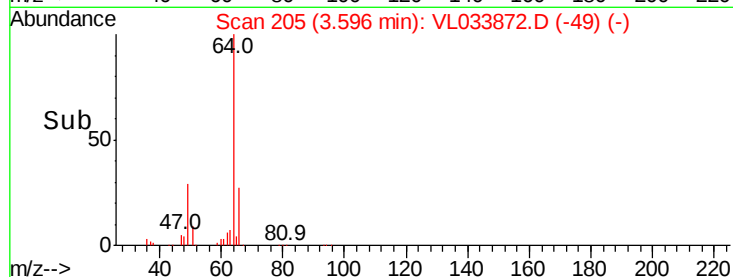
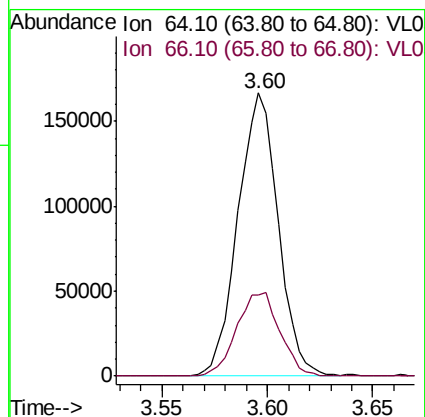
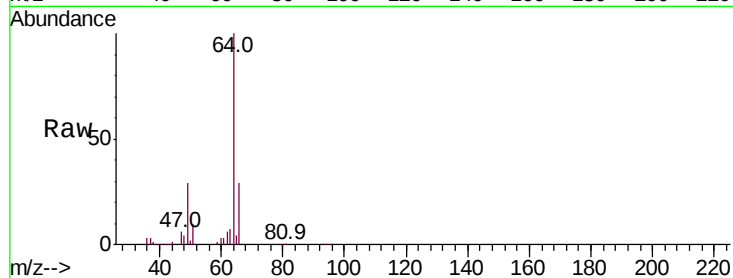
66 29.1 26.6 40.0

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#8

Dichlorotetrafluoroethane

Concen: 12.274 ppbv

RT: 3.22 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL033872.D

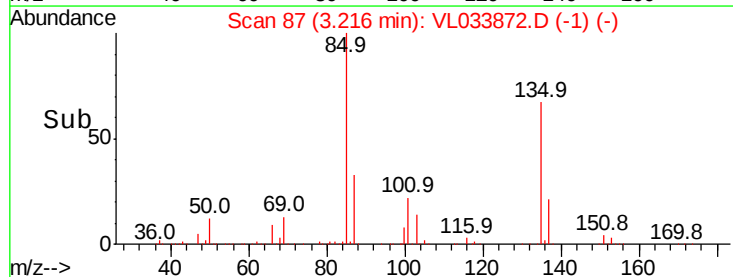
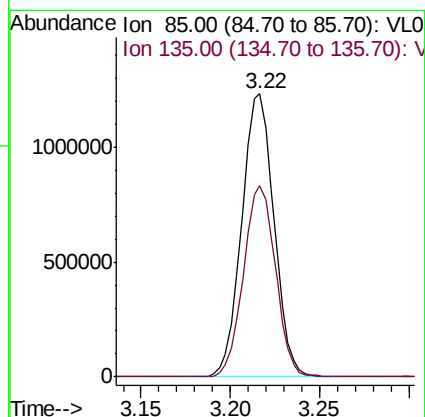
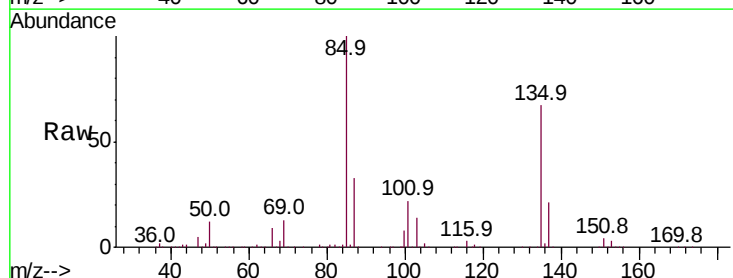
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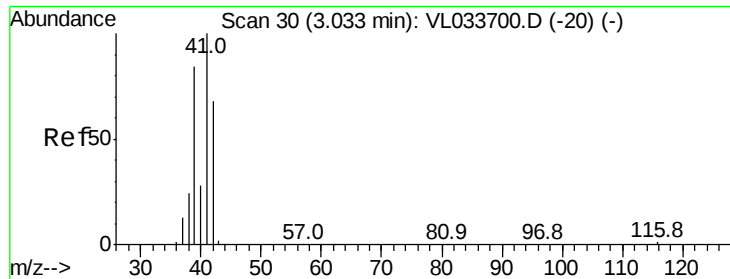
Tgt Ion: 85 Resp: 1543324

Ion Ratio Lower Upper

85 100

135 67.3 54.5 81.7





#9

Propene

Concen: 11.926 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

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ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 429977

Ion Ratio Lower Upper

41 100

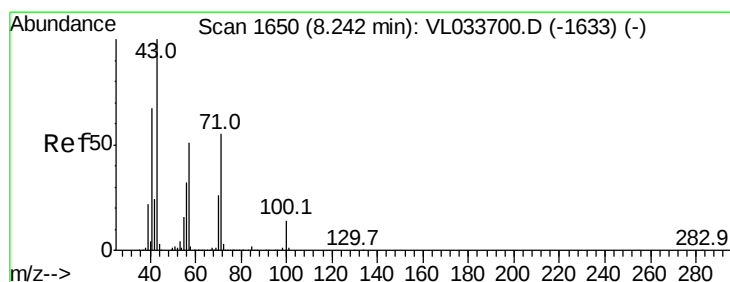
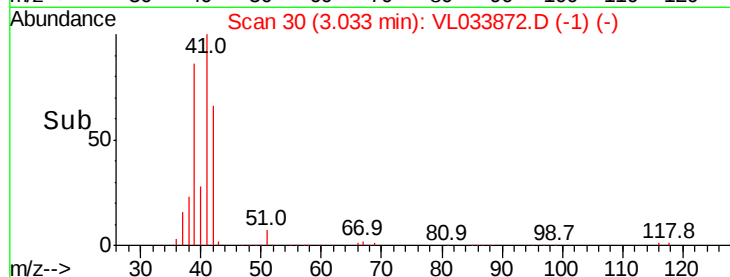
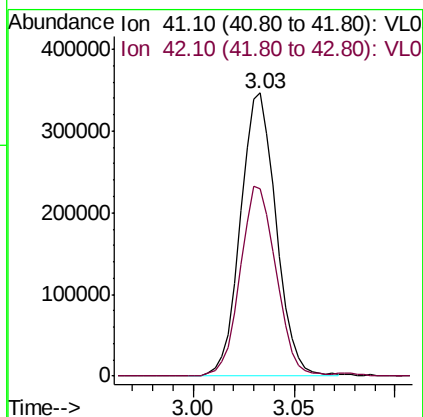
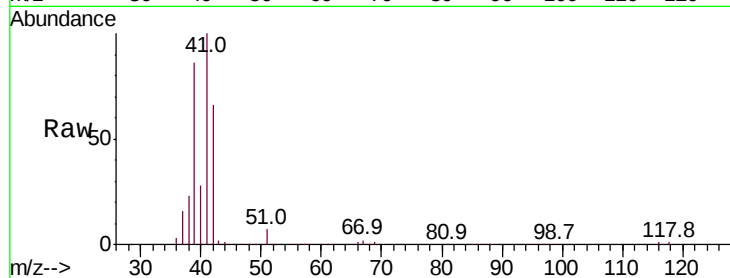
42 68.6 56.1 84.1

Manual Integrations

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#10

Heptane

Concen: 10.812 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VL033872.D

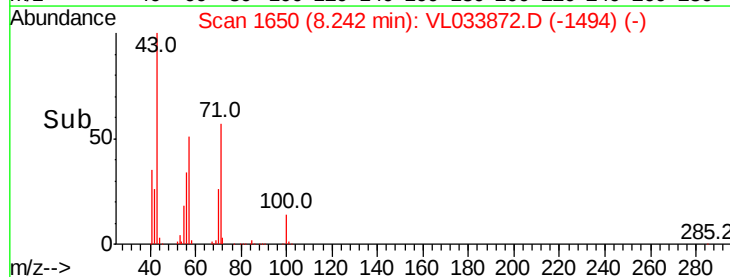
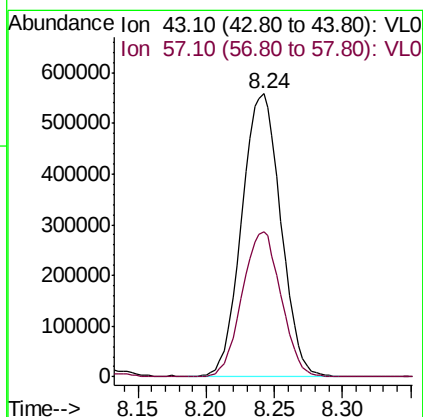
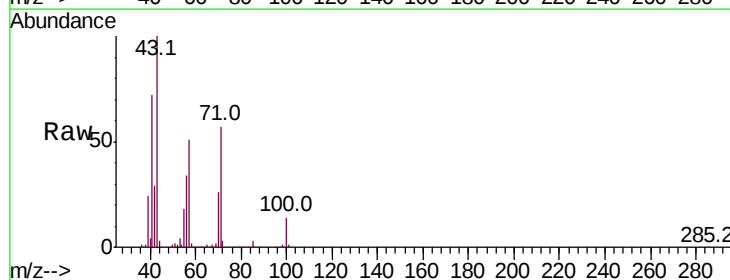
Acq: 30 May 2019 16:00

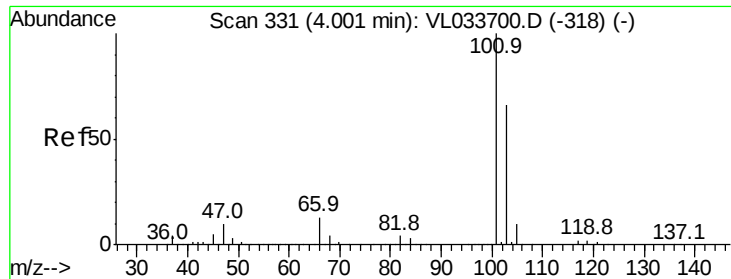
Tgt Ion: 43 Resp: 1103921

Ion Ratio Lower Upper

43 100

57 51.5 41.4 62.0





#11

Trichlorofluoromethane

Concen: 12.237 ppbv

RT: 4.00 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

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ClientSampleId :

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Tot Ion:101 Resp: 1821451

Ion Ratio Lower Upper

101 100

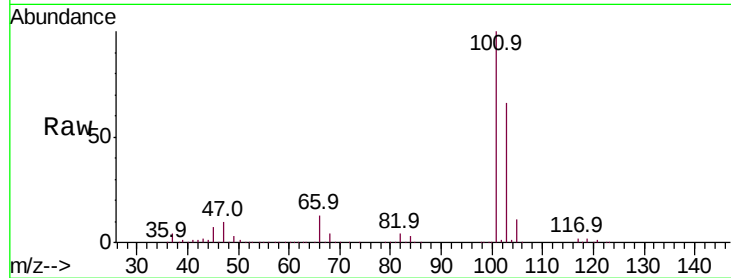
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Manual Integrations

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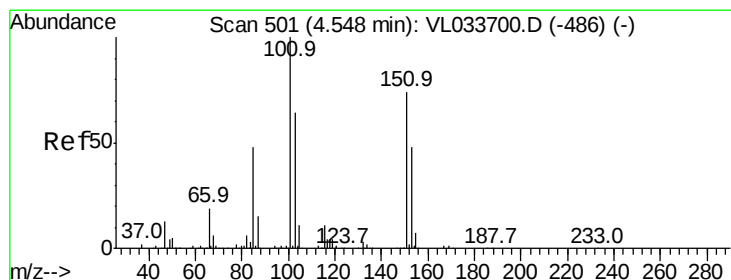
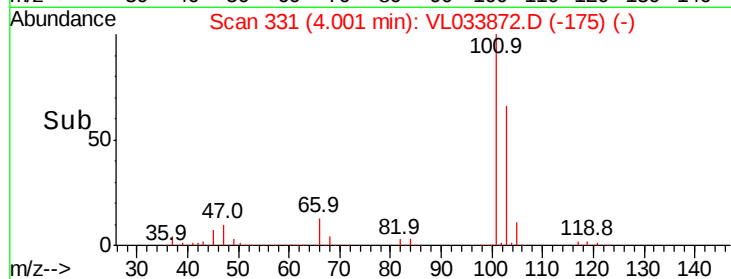
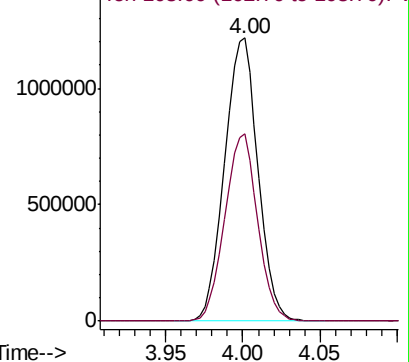
apatel

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 11.903 ppbv

RT: 4.55 min Scan# 501

Delta R.T. 0.00 min

Lab File: VL033872.D

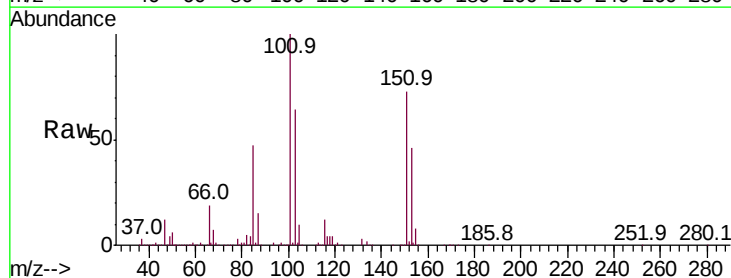
Acq: 30 May 2019 16:00

Tgt Ion:101 Resp: 1237214

Ion Ratio Lower Upper

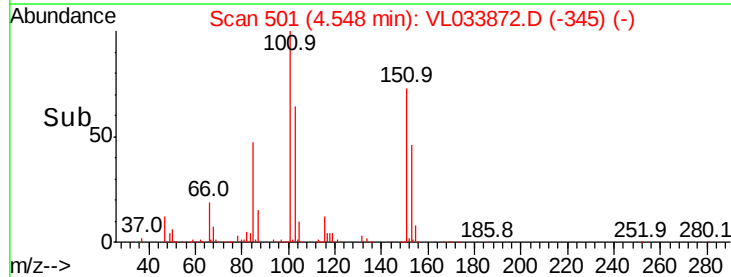
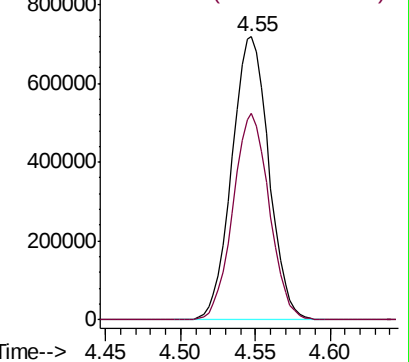
101 100

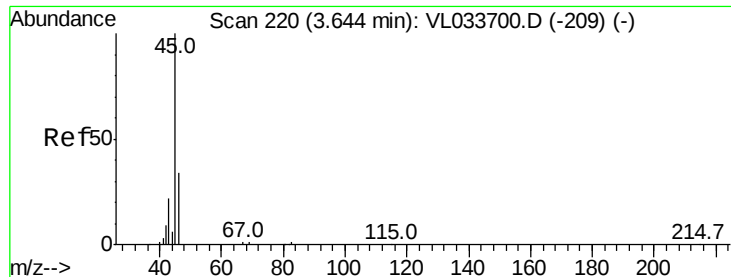
151 71.6 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





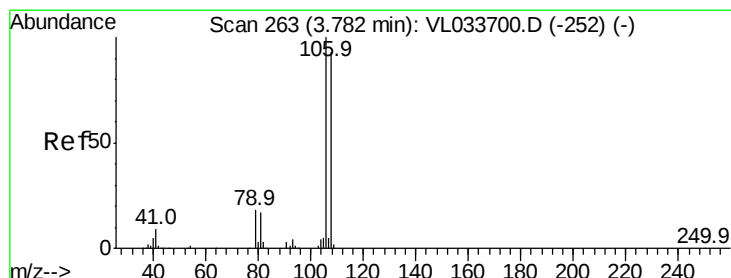
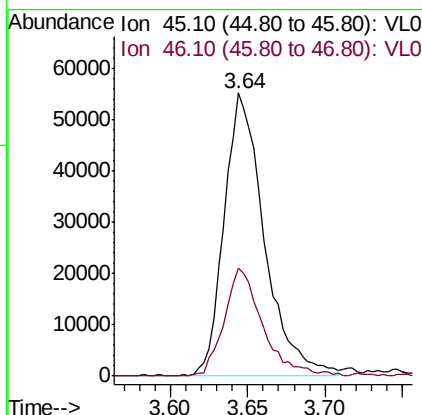
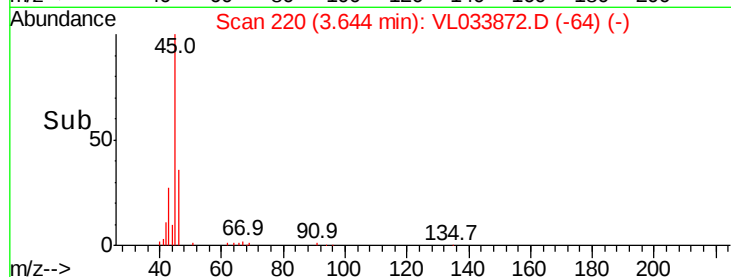
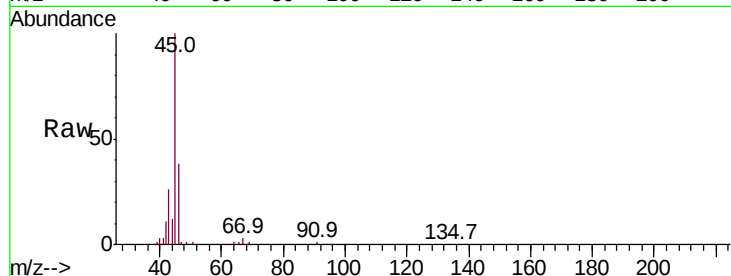
#13
Ethanol
Concen: 8.570 ppbv
RT: 3.64 min Scan# 220
Delta R.T. 0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.9	14.8	59.0

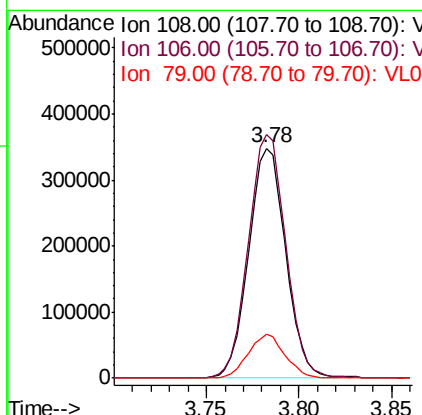
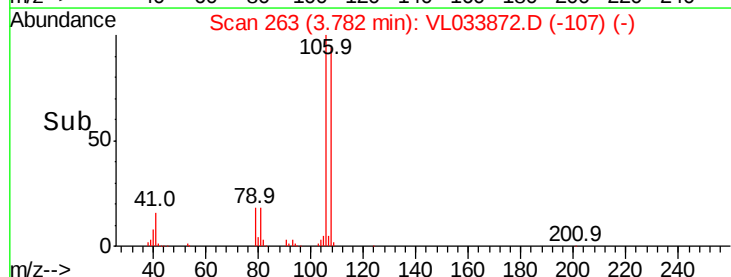
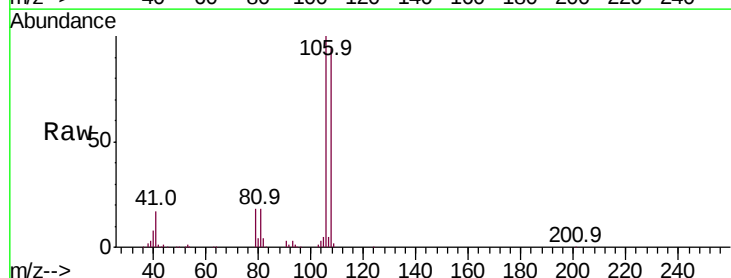
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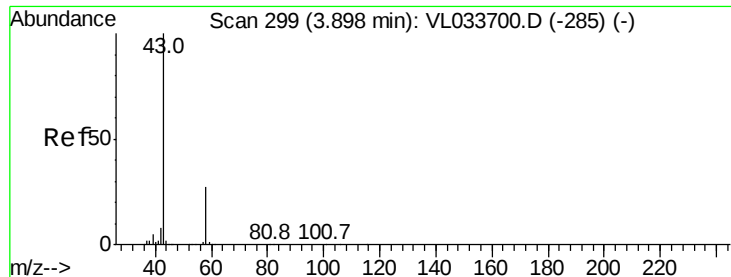
apatel
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#14
Bromoethene
Concen: 12.761 ppbv
RT: 3.78 min Scan# 263
Delta R.T. 0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Tgt Ion	Ratio	Lower	Upper
108	100		
106	107.5	86.5	129.7
79	19.3	15.1	22.7





#15

Acetone

Concen: 11.004 ppbv

RT: 3.89 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1129878

Ion Ratio Lower Upper

43 100

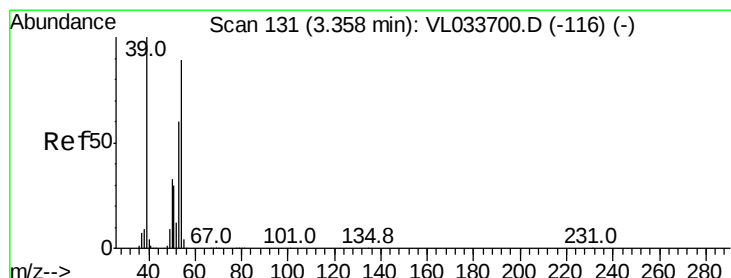
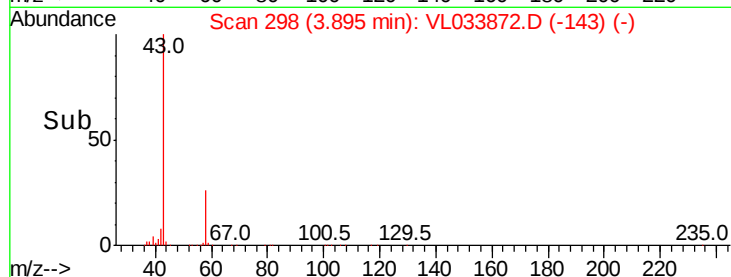
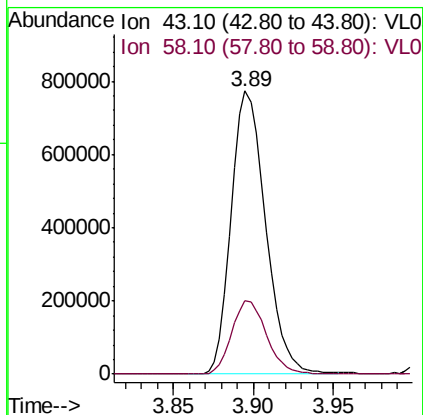
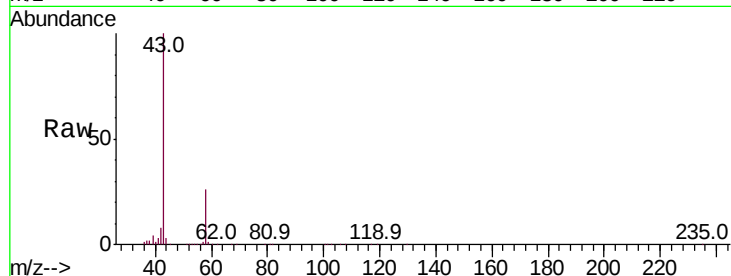
58 26.3 21.3 31.9

Manual Integrations

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#16

1,3-Butadiene

Concen: 12.787 ppbv

RT: 3.36 min Scan# 131

Delta R.T. 0.00 min

Lab File: VL033872.D

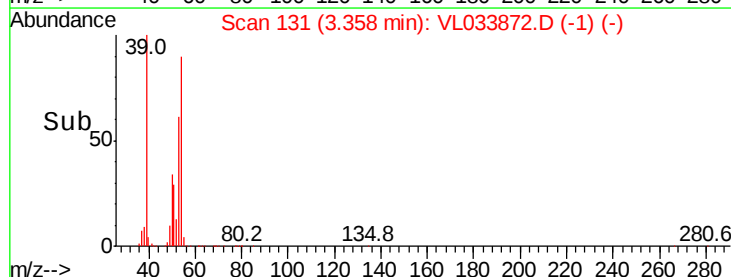
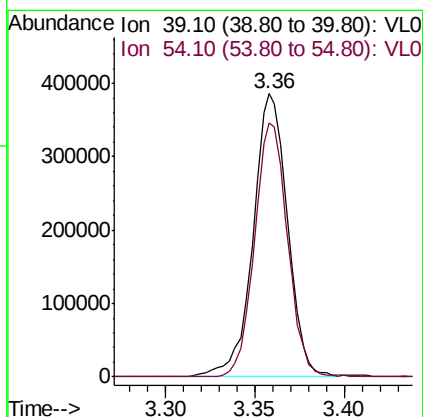
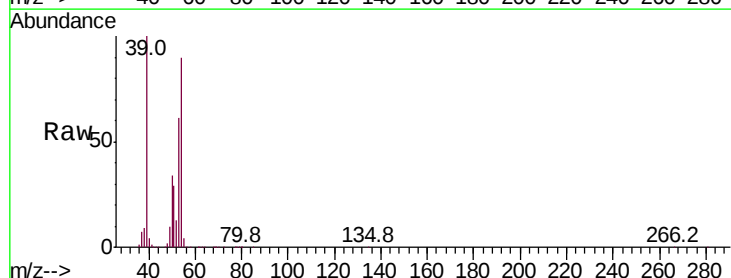
Acq: 30 May 2019 16:00

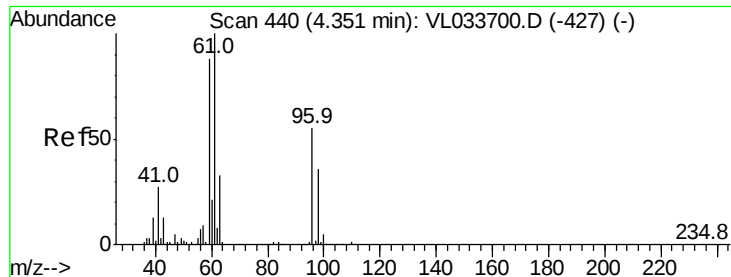
Tgt Ion: 39 Resp: 522848

Ion Ratio Lower Upper

39 100

54 86.3 69.0 103.6





#17

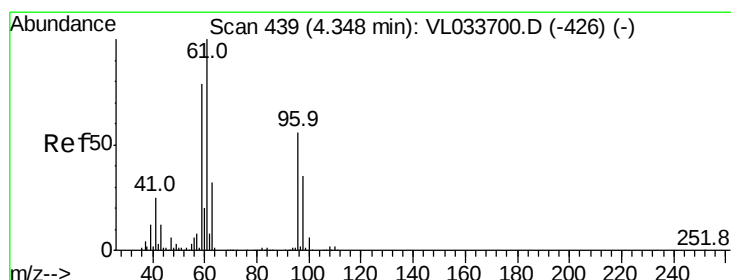
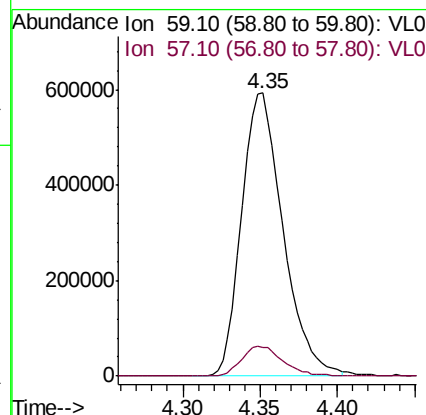
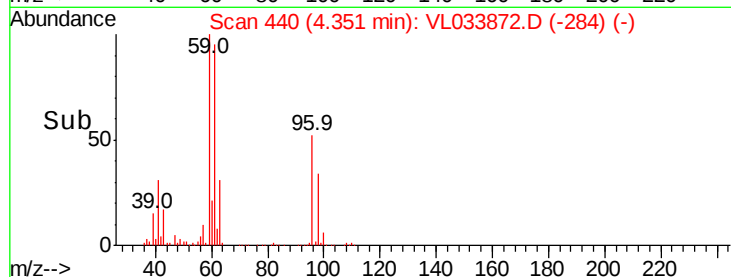
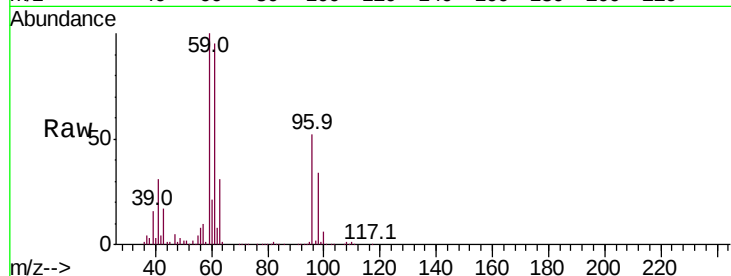
tert-Butyl alcohol
Concen: 13.275 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1102191
Ion Ratio Lower Upper
59 100
57 10.7 8.4 12.6

Manual Integrations
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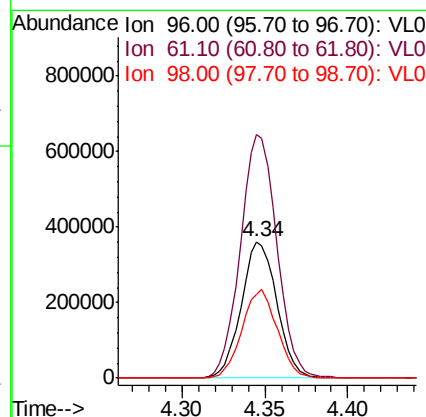
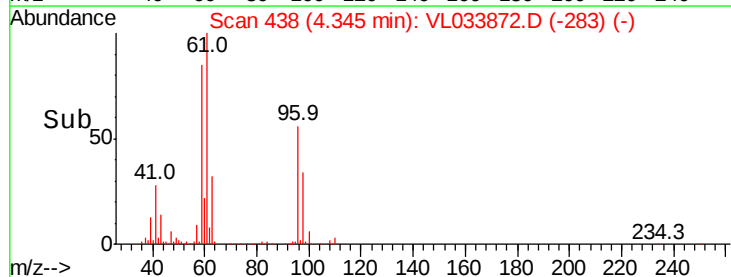
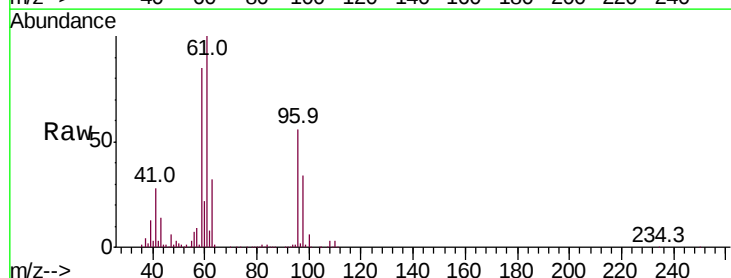
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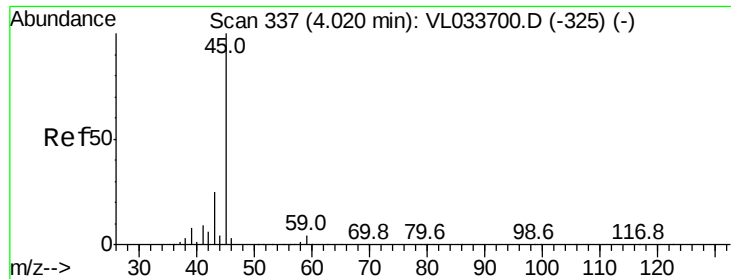


#18

1,1-Dichloroethene
Concen: 12.289 ppbv
RT: 4.34 min Scan# 438
Delta R.T. -0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Tgt Ion: 96 Resp: 539131
Ion Ratio Lower Upper
96 100
61 178.5 143.1 214.7
98 60.9 49.5 74.3





#19

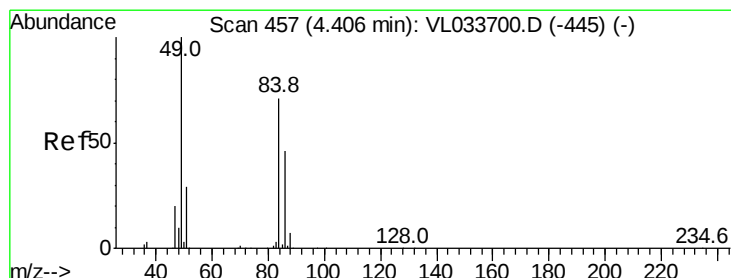
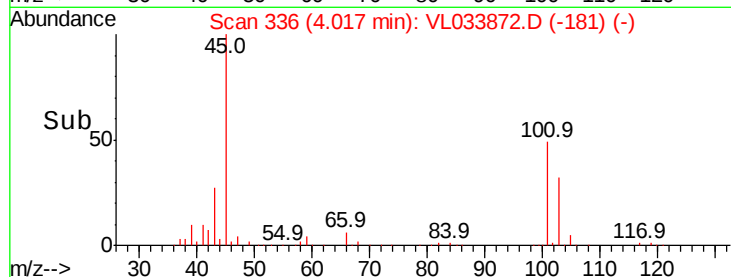
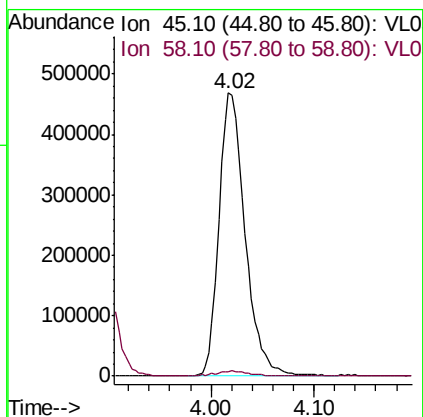
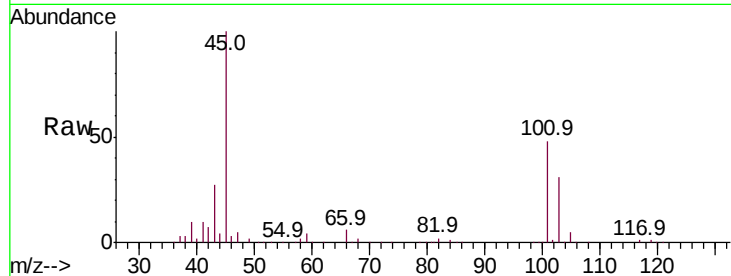
Isopropyl Alcohol
 Concen: 12.472 ppbv
 RT: 4.02 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VL033872.D
 Acq: 30 May 2019 16:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.1	1.6	2.4

Manual Integrations
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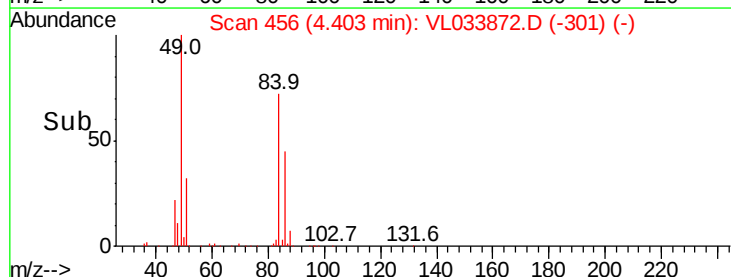
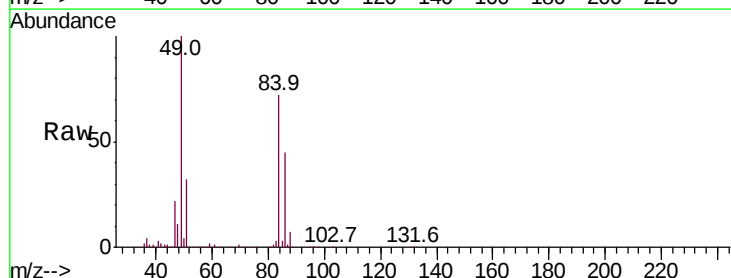
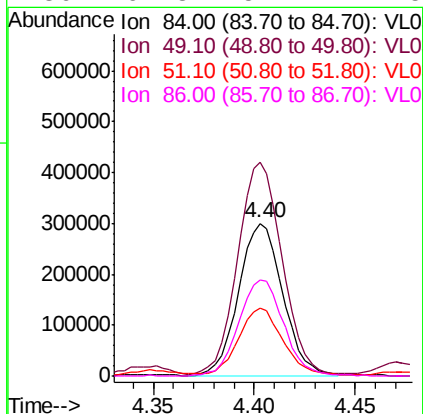
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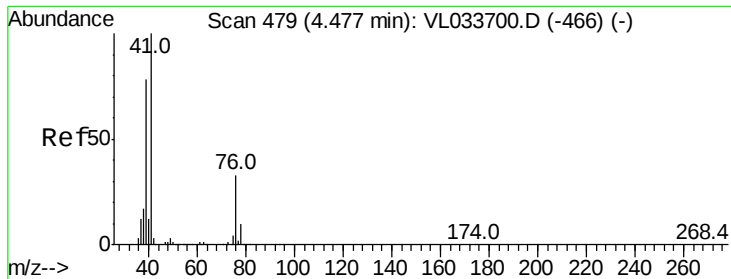


#20

Methylene Chloride
 Concen: 11.590 ppbv
 RT: 4.40 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: VL033872.D
 Acq: 30 May 2019 16:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.3	112.8	169.2
51	43.2	33.4	50.0
86	62.8	51.7	77.5





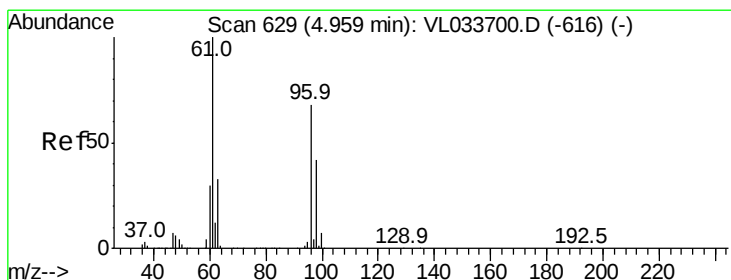
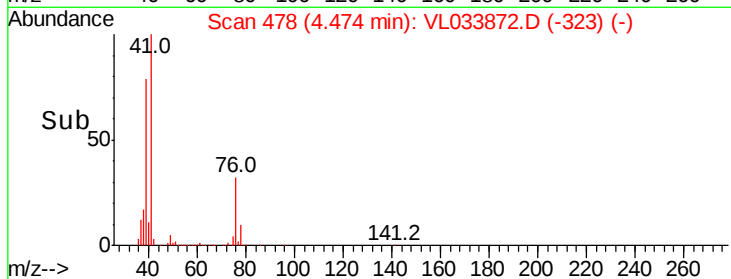
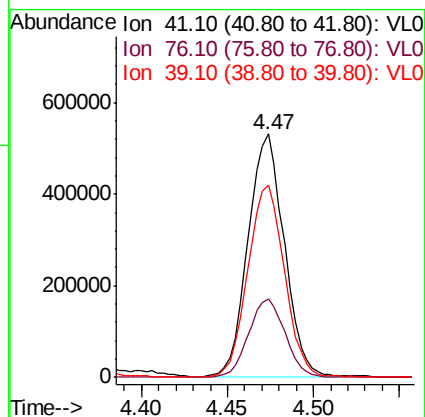
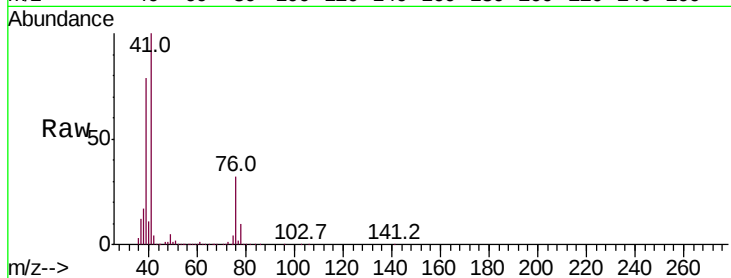
#21
Allvl Chloride
Concen: 12.113 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	32.6	25.9	38.9
39	80.3	64.6	97.0

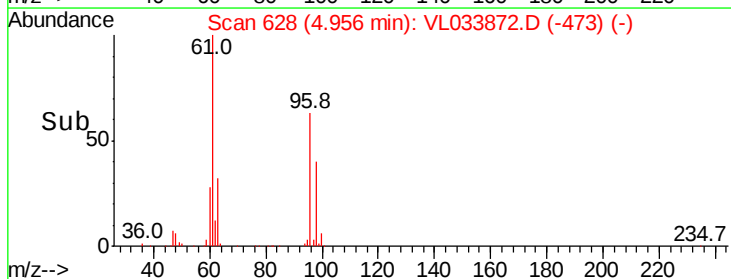
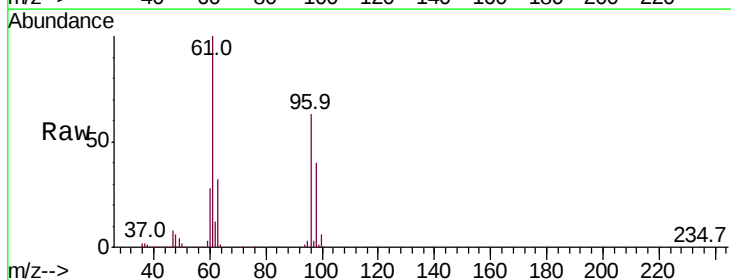
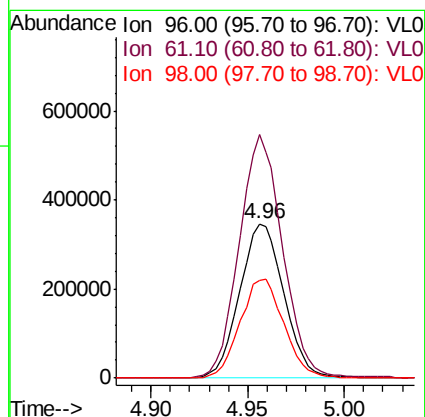
Manual Integrations
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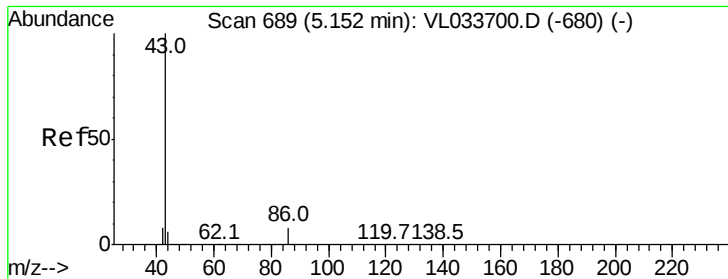
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#22
trans-1,2-Dichloroethene
Concen: 12.255 ppbv
RT: 4.96 min Scan# 628
Delta R.T. -0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.8	116.8	175.2
98	63.2	49.4	74.0





#23

Vinyl Acetate

Concen: 11.830 ppbv

RT: 5.15 min Scan# 688

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1601582

Ion Ratio Lower Upper

43 100

86 7.4 6.0 9.0

42 10.1 7.5 11.3

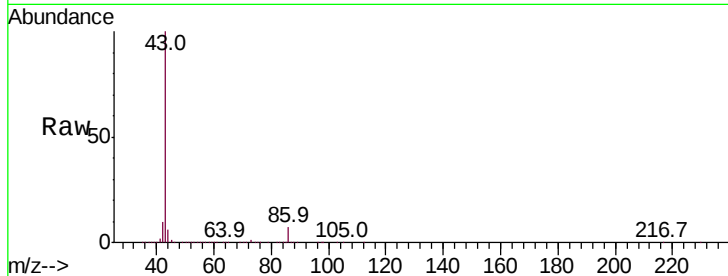
44 5.6 4.4 6.6

Manual Integrations

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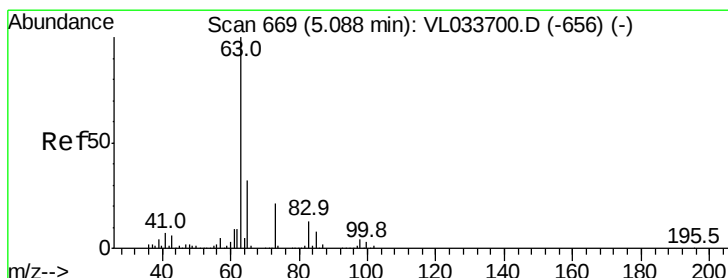
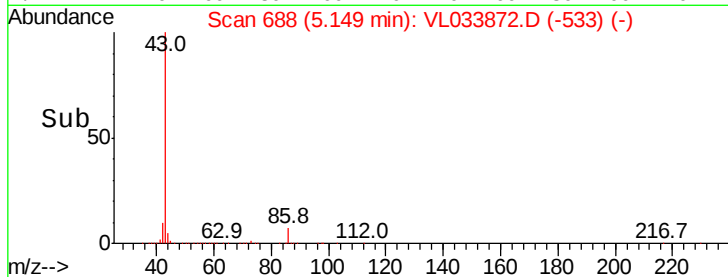
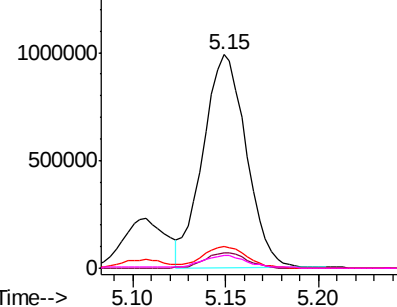


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 11.250 ppbv

RT: 5.09 min Scan# 669

Delta R.T. 0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

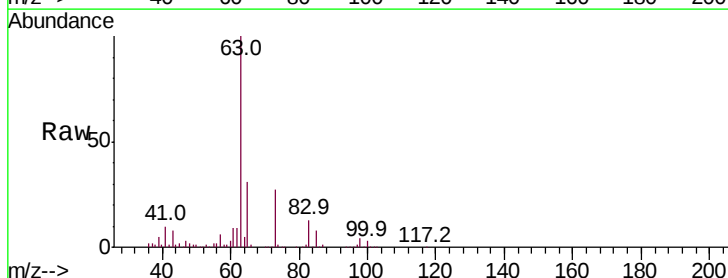
Tgt Ion: 63 Resp: 1157707

Ion Ratio Lower Upper

63 100

98 3.9 1.8 5.5

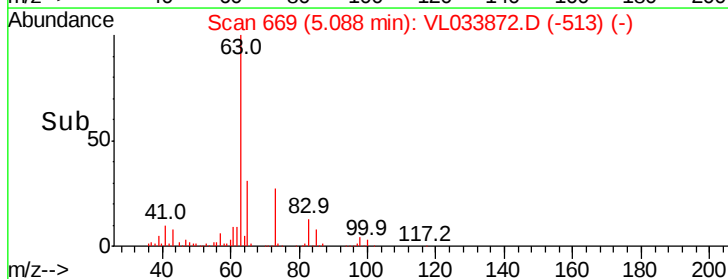
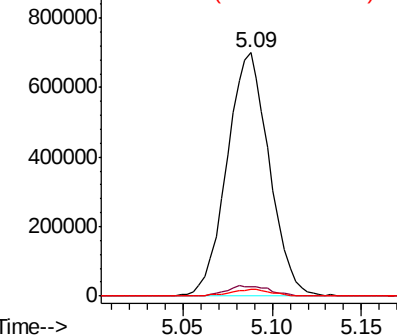
100 2.6 1.4 4.2

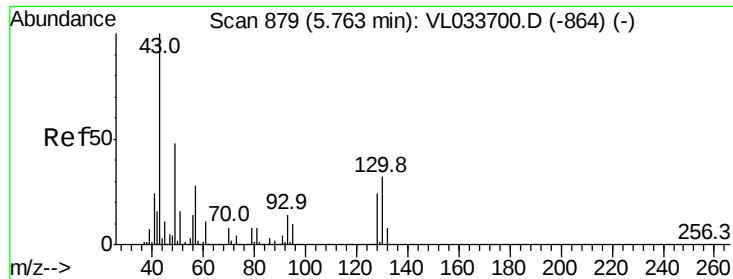


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 11.094 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2000973

Ion Ratio Lower Upper

43 100

45 10.0 7.9 11.9

61 9.5 7.7 11.5

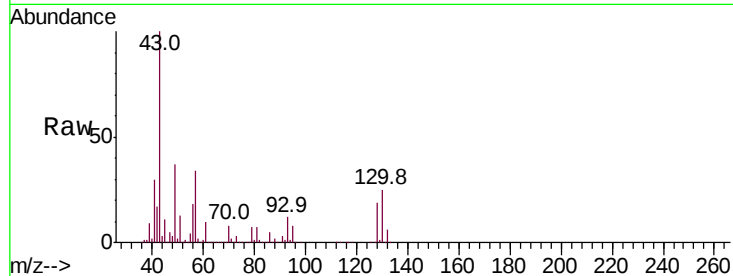
70 7.1 5.8 8.6

Manual Integrations

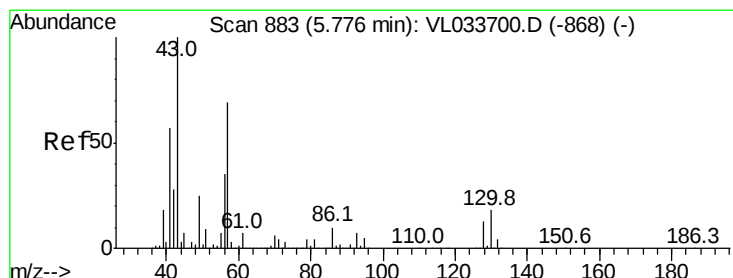
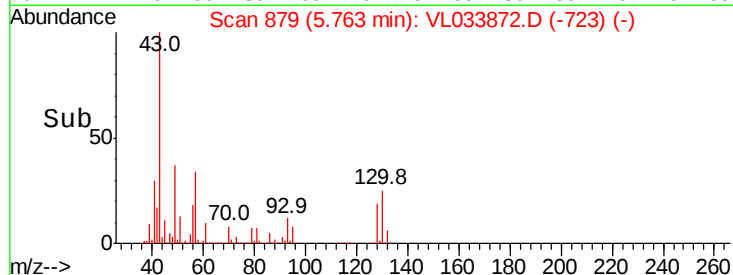
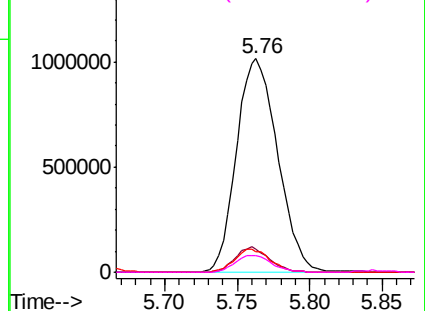
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 11.241 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Tgt Ion: 57 Resp: 871661

Ion Ratio Lower Upper

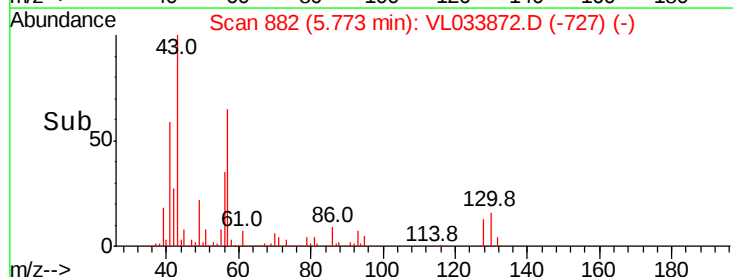
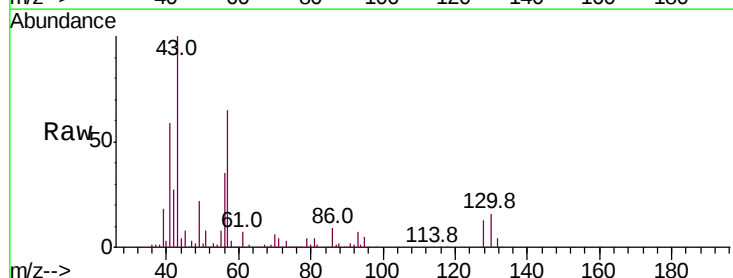
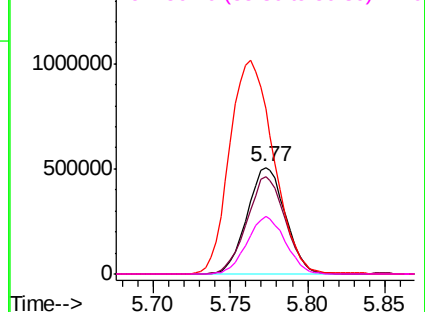
57 100

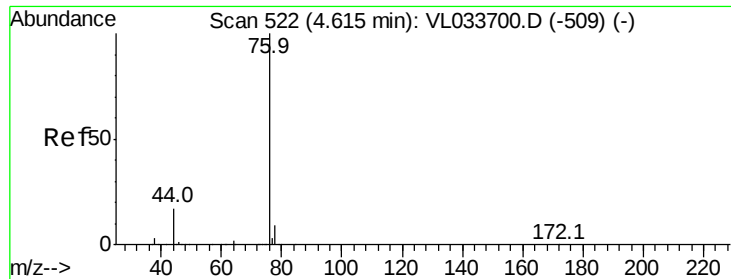
41 91.9 69.8 104.6

43 230.8 181.8 272.6

56 53.8 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





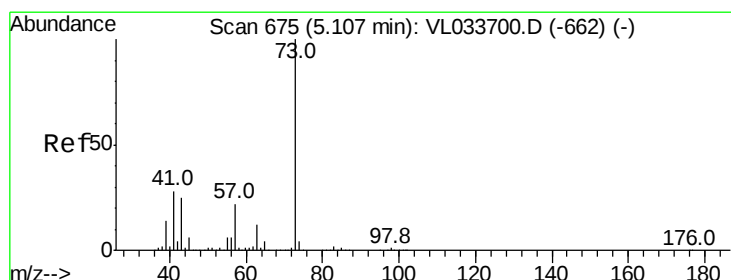
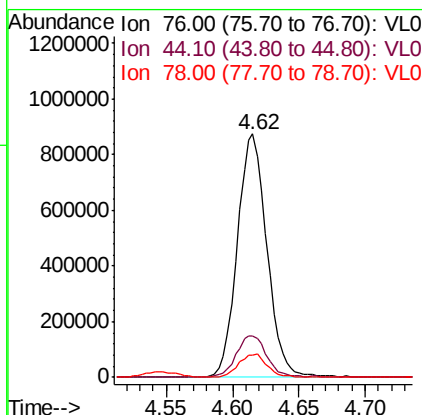
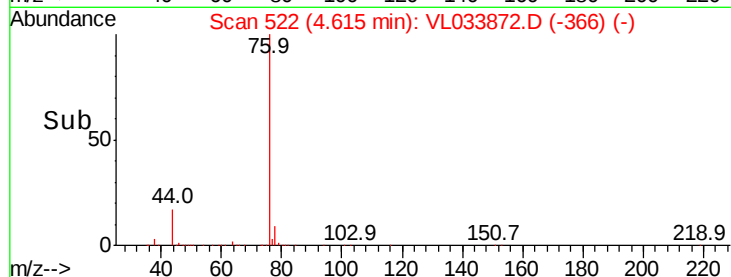
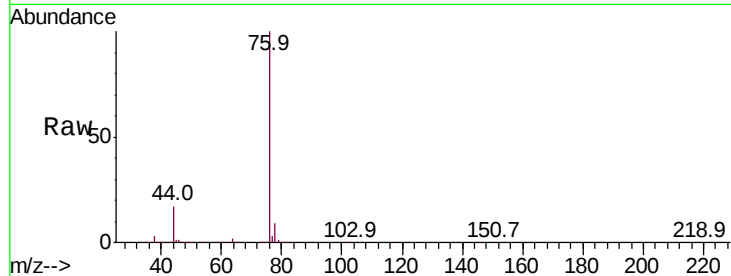
#27
Carbon Disulfide
Concen: 12.741 ppbv
RT: 4.62 min Scan# 522
Delta R.T. 0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 76 Resp: 1355345
Ion Ratio Lower Upper
76 100
44 17.5 13.8 20.8
78 9.2 7.4 11.0

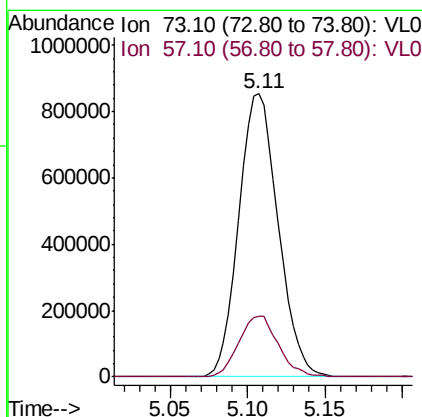
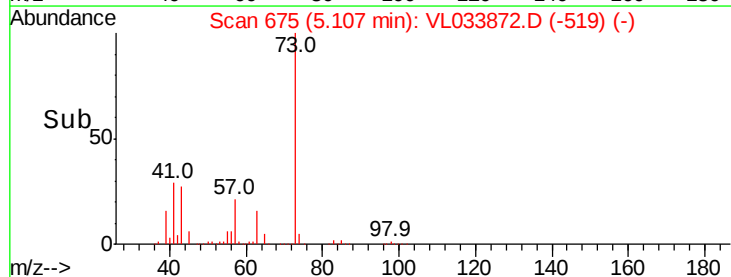
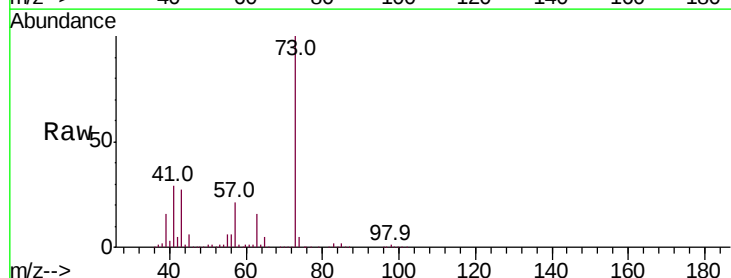
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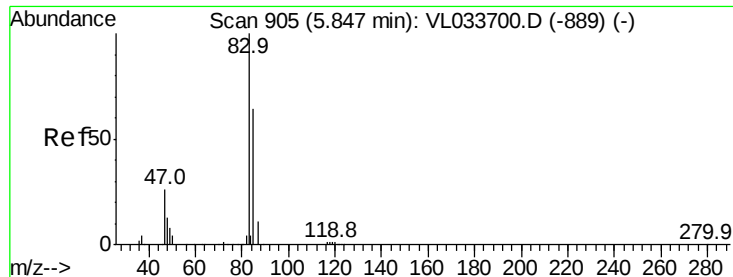
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#28
Methyl tert-Butyl Ether
Concen: 11.984 ppbv
RT: 5.11 min Scan# 675
Delta R.T. 0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Tgt Ion: 73 Resp: 1514869
Ion Ratio Lower Upper
73 100
57 21.7 17.4 26.2





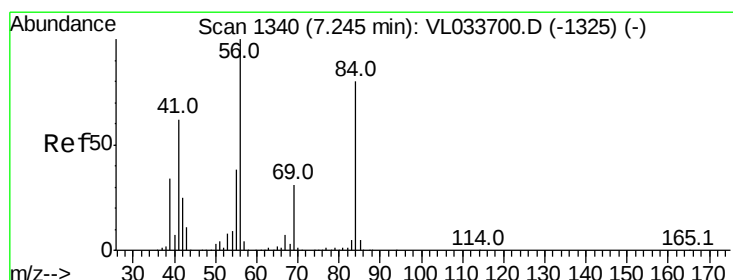
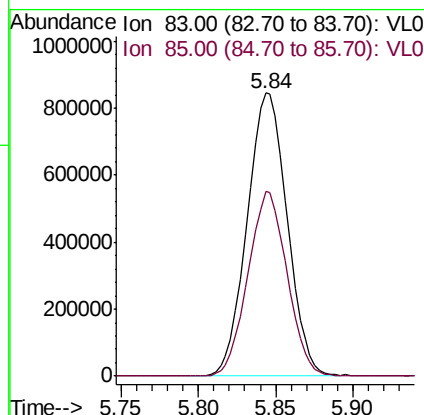
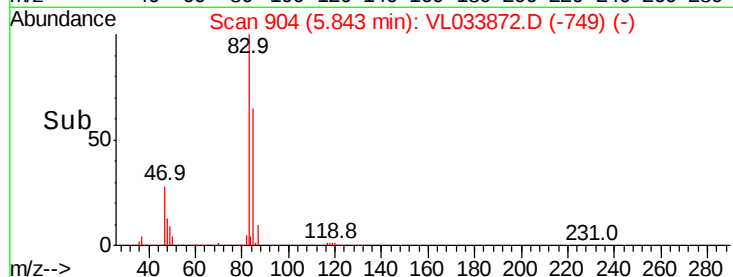
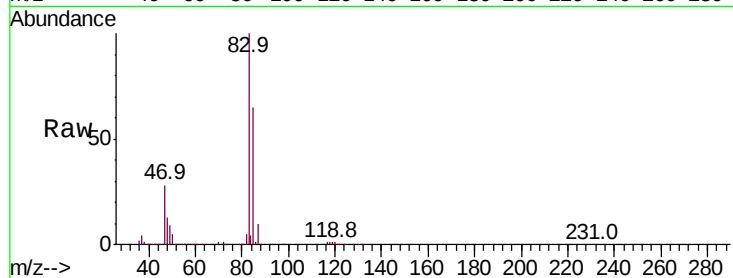
#29
Chloroform
Concen: 10.672 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1524259
Ion Ratio Lower Upper
83 100
85 65.0 51.5 77.3

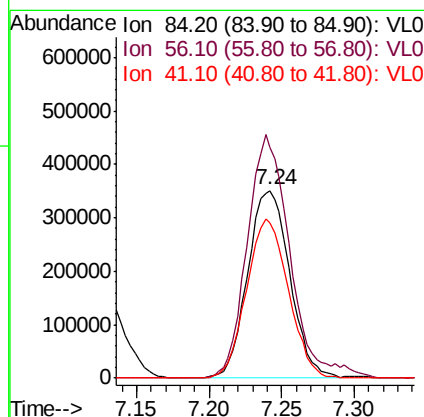
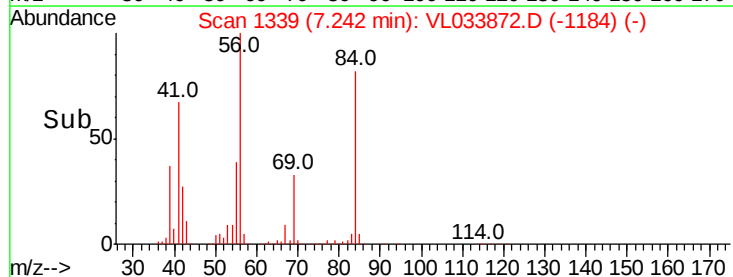
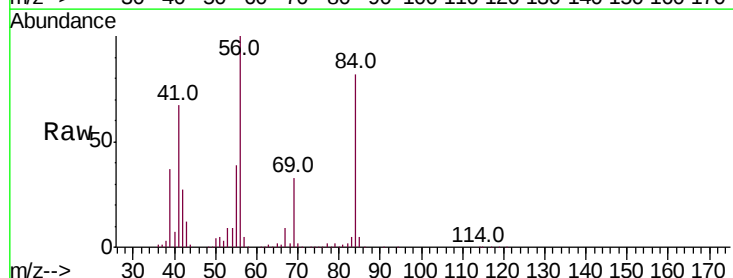
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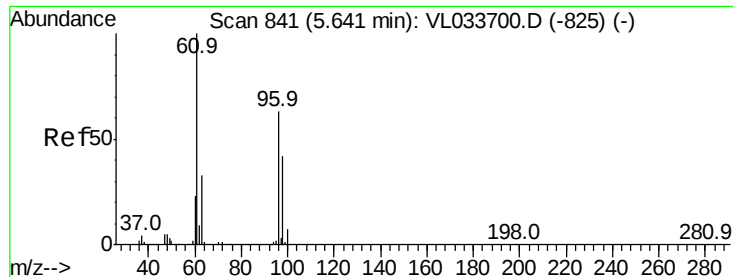
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#30
Cyclohexane
Concen: 10.901 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Tgt Ion: 84 Resp: 710616
Ion Ratio Lower Upper
84 100
56 131.6 107.7 161.5
41 84.4 66.0 99.0





#31

cis-1,2-Dichloroethene

Concen: 11.584 ppbv

RT: 5.63 min Scan# 839

Delta R.T. -0.01 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

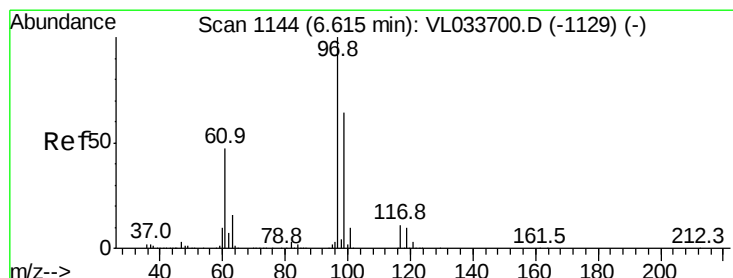
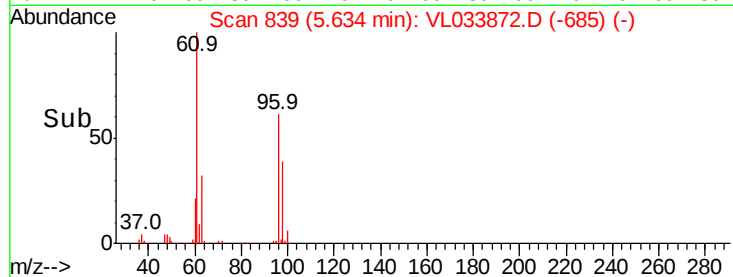
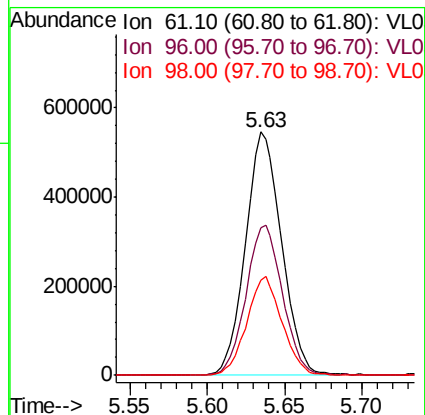
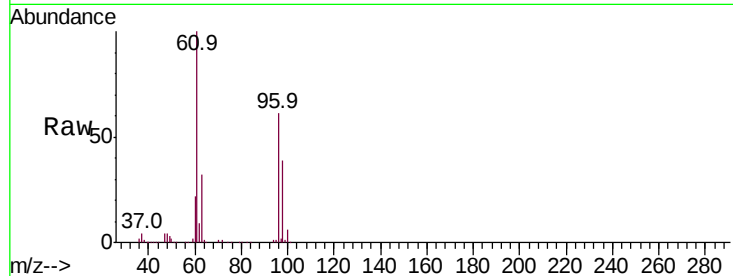
ClientSampleId :

VSTDCCC010EC

Tot Ion:	61	Resp:	890627
Ion Ratio	Lower	Upper	
61	100		
96	60.7	50.8	76.2
98	39.0	33.3	49.9

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#32

1,1,1-Trichloroethane

Concen: 11.267 ppbv

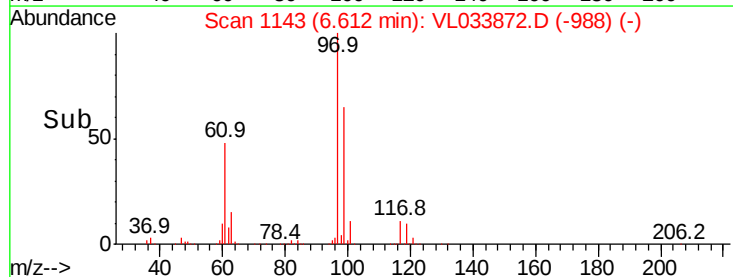
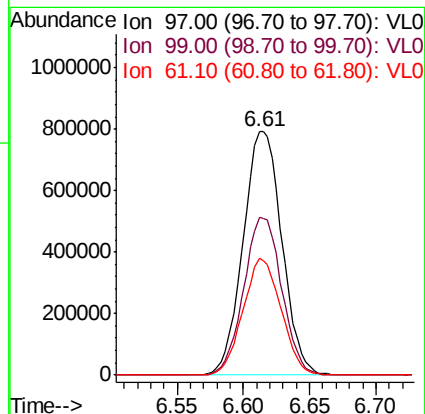
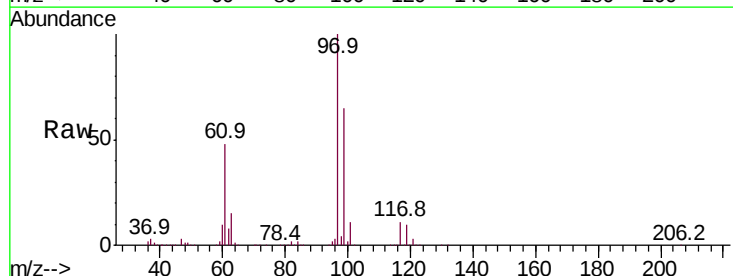
RT: 6.61 min Scan# 1143

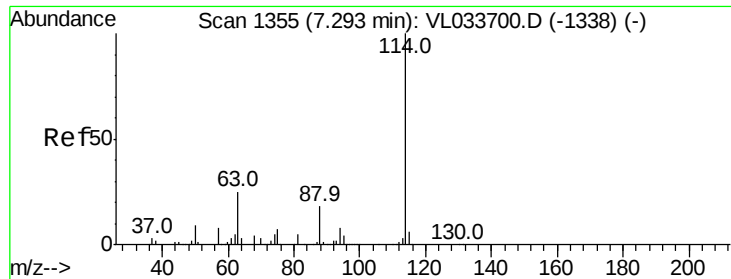
Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Tgt Ion:	97	Resp:	1606828
Ion Ratio	Lower	Upper	
97	100		
99	63.7	51.5	77.3
61	47.2	37.8	56.8





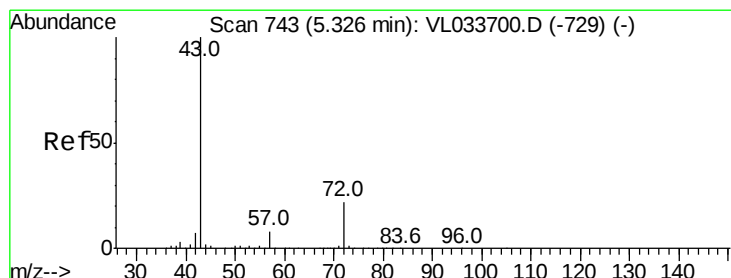
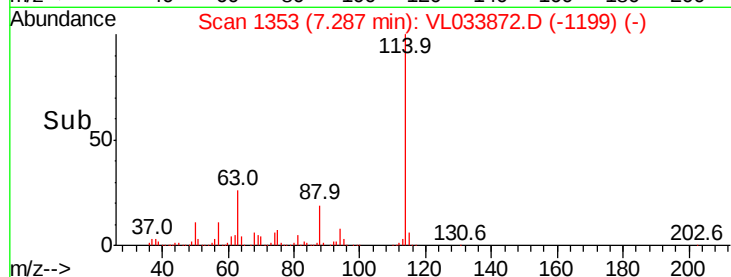
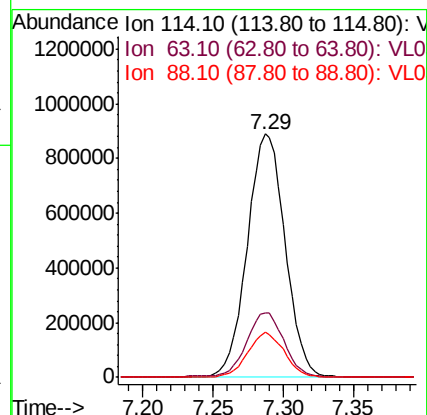
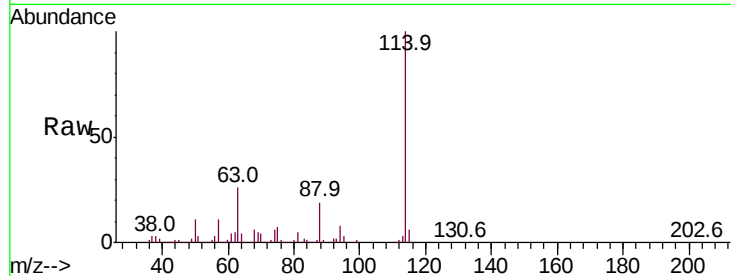
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033872.D
 Acq: 30 May 2019 16:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.9	20.9	31.3
88	17.8	14.3	21.5

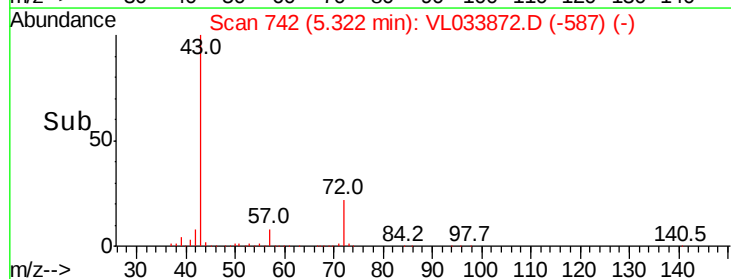
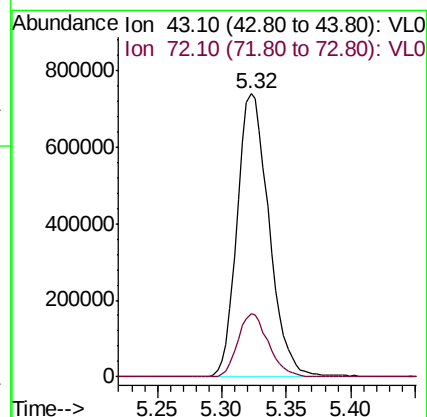
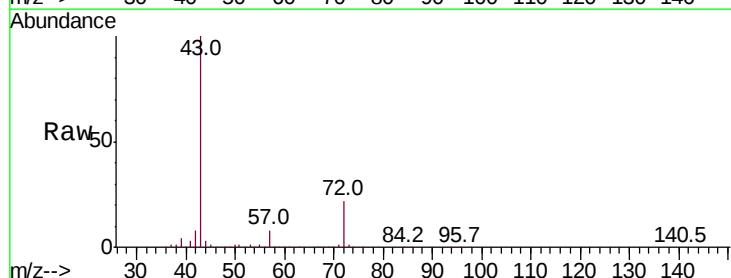
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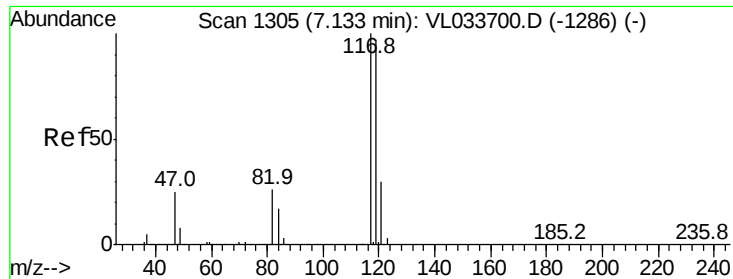
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#34
 2-Butanone
 Concen: 12.213 ppbv
 RT: 5.32 min Scan# 742
 Delta R.T. -0.00 min
 Lab File: VL033872.D
 Acq: 30 May 2019 16:00

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.8	26.6





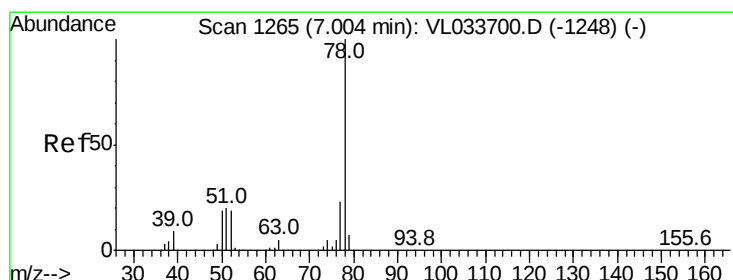
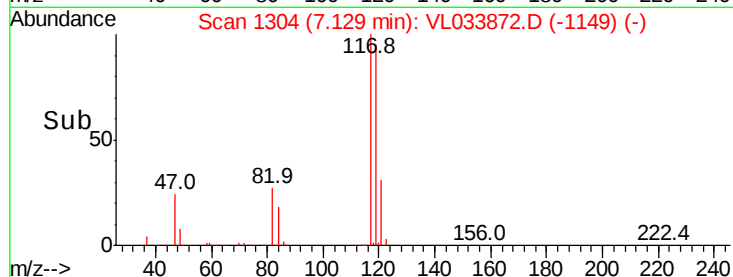
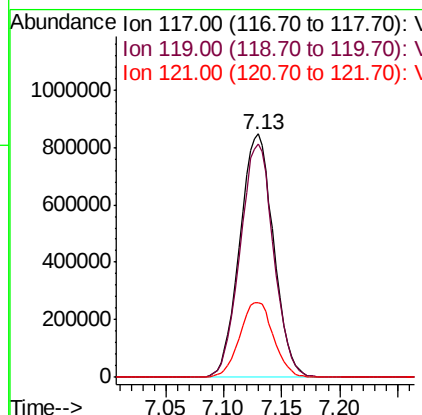
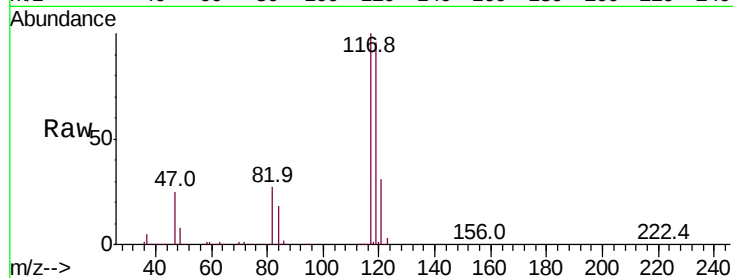
#35
Carbon Tetrachloride
Concen: 12.768 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 1711829
Ion Ratio Lower Upper
117 100
119 95.6 77.2 115.8
121 30.6 24.1 36.1

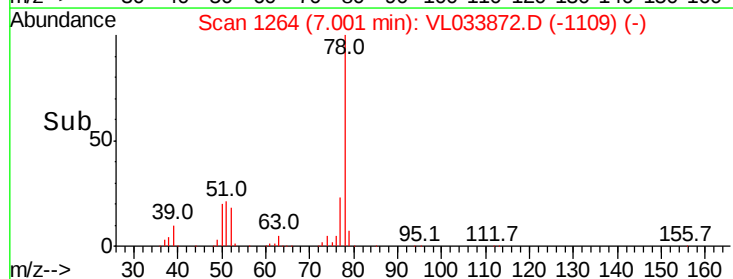
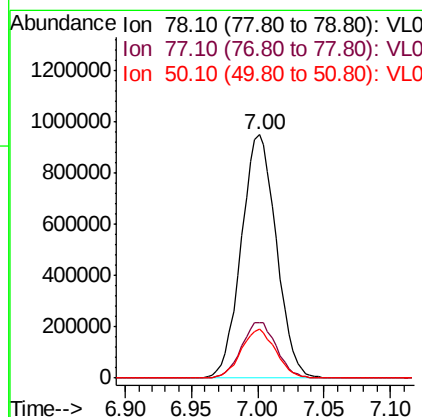
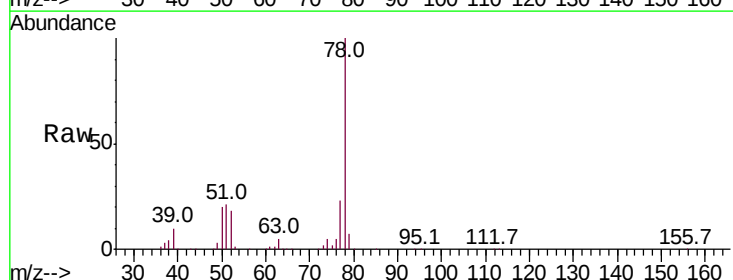
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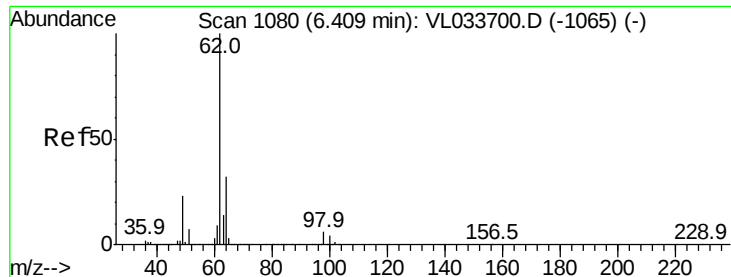
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#36
Benzene
Concen: 11.450 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Tgt Ion: 78 Resp: 1743225
Ion Ratio Lower Upper
78 100
77 22.6 18.4 27.6
50 20.0 15.5 23.3





#37

1,2-Dichloroethane

Concen: 12.121 ppbv

RT: 6.41 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 1190358

Ion Ratio Lower Upper

62 100

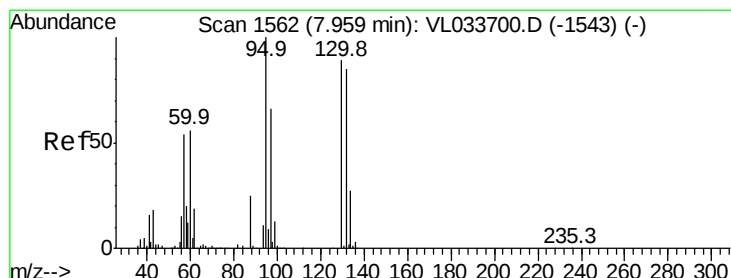
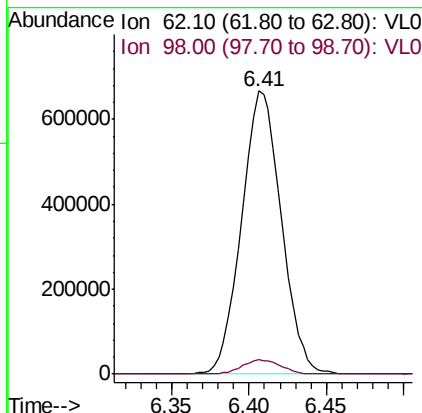
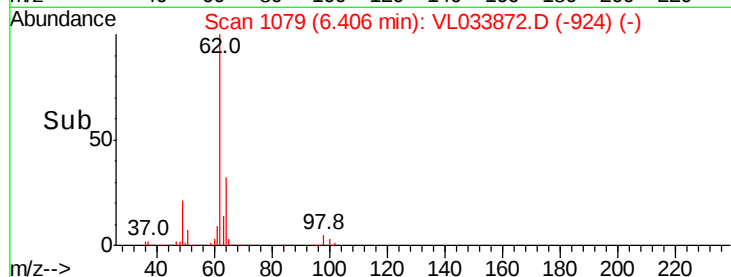
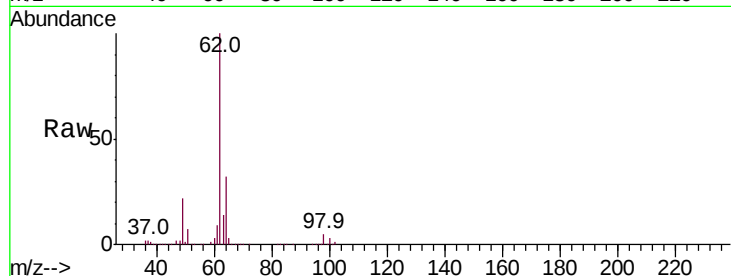
98 5.1 4.5 6.7

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#38

Trichloroethene

Concen: 13.093 ppbv

RT: 7.96 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Tgt Ion: 130 Resp: 739637

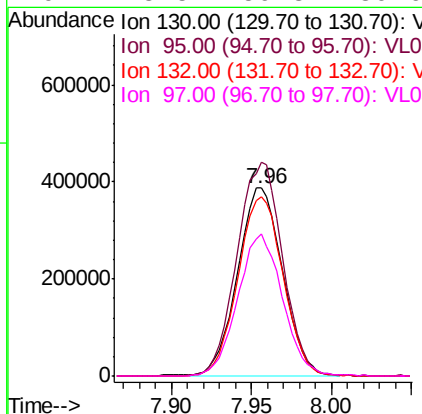
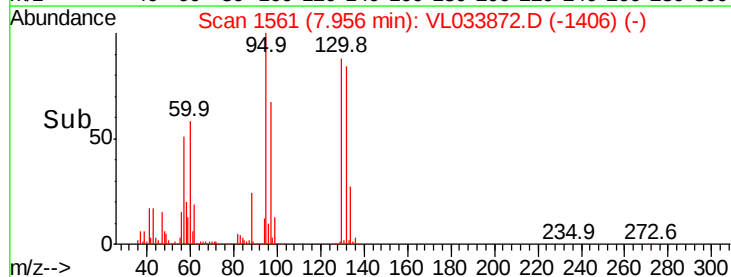
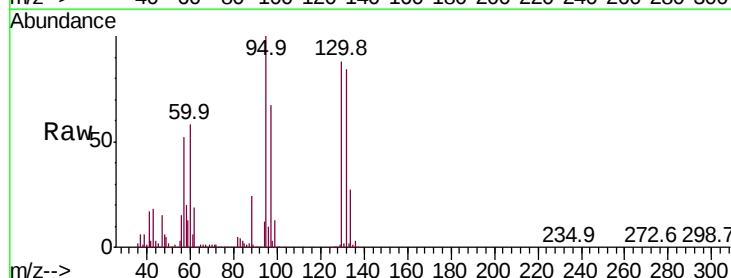
Ion Ratio Lower Upper

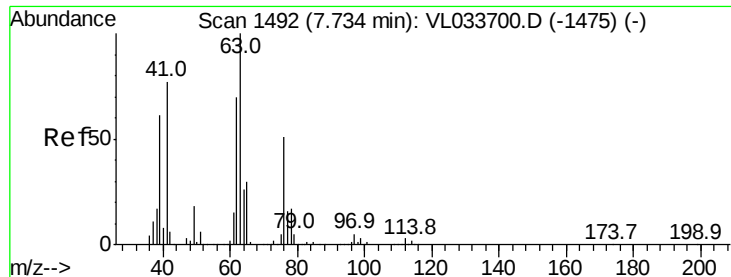
130 100

95 113.4 90.2 135.4

132 95.3 76.4 114.6

97 75.5 59.8 89.6





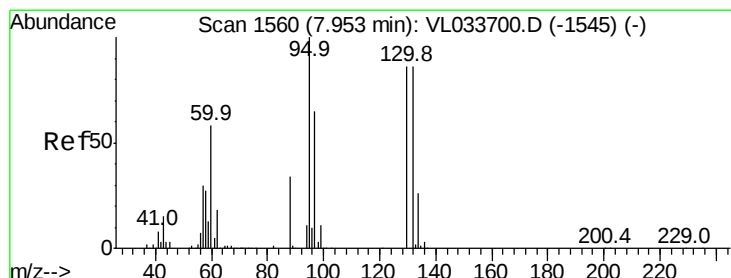
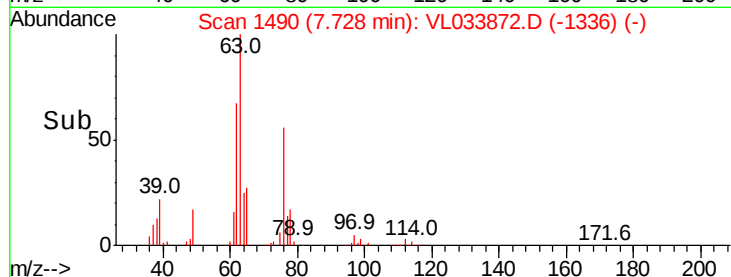
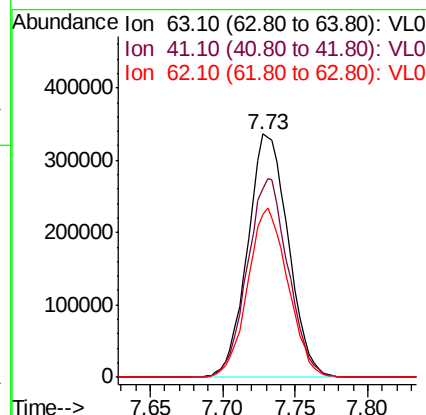
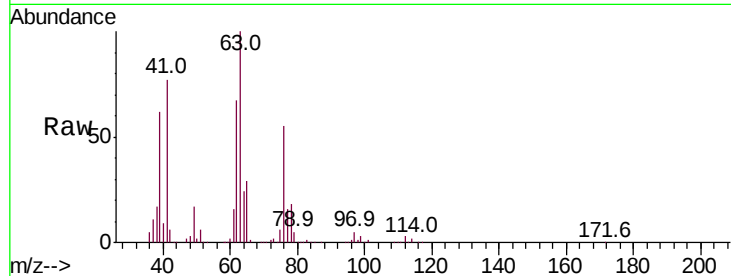
#39
 1,2-Dichloropropane
 Concen: 11.580 ppbv
 RT: 7.73 min Scan# 1490
 Delta R.T. -0.01 min
 Lab File: VL033872.D
 Acq: 30 May 2019 16:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	77.4	61.5	92.3
62	66.7	56.2	84.4

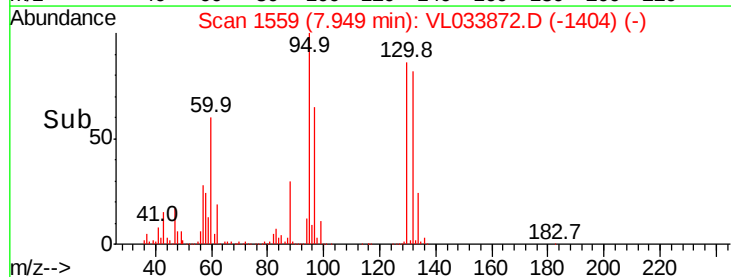
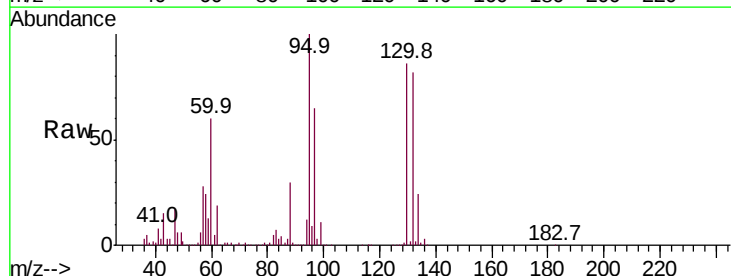
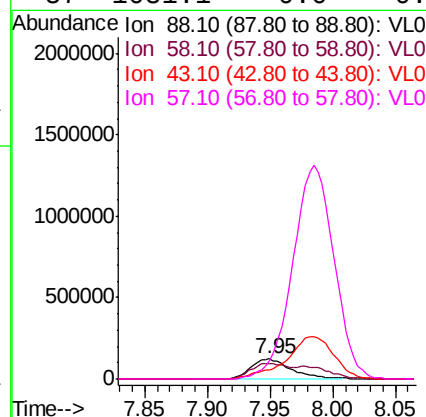
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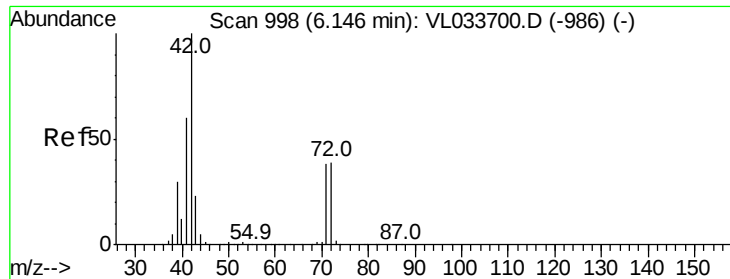
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#40
 1,4-Dioxane
 Concen: 11.803 ppbv
 RT: 7.95 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VL033872.D
 Acq: 30 May 2019 16:00

Tgt Ion	Ratio	Lower	Upper
88	100		
58	125.8	101.8	152.6
43	246.6	0.0	0.0#
57	1081.1	0.0	0.0#





#41

Tetrahydrofuran

Concen: 11.783 ppbv

RT: 6.14 min Scan# 997

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

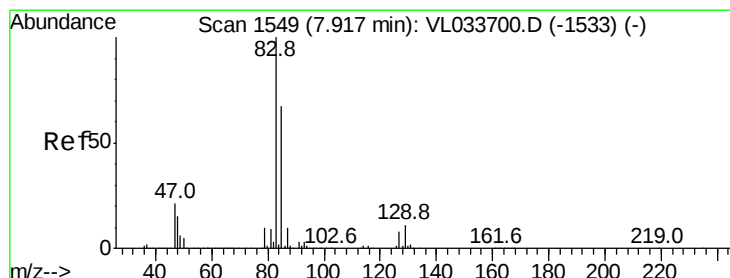
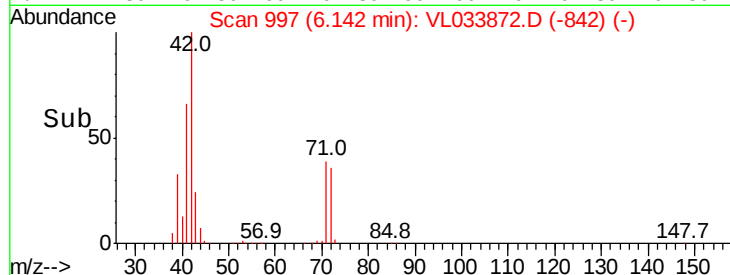
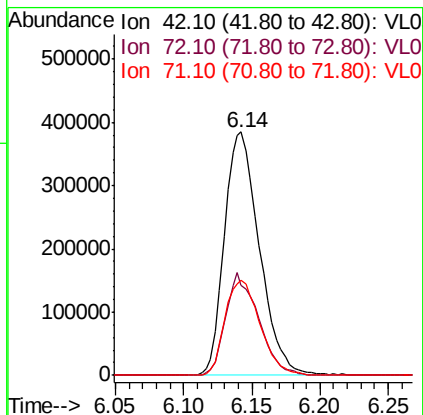
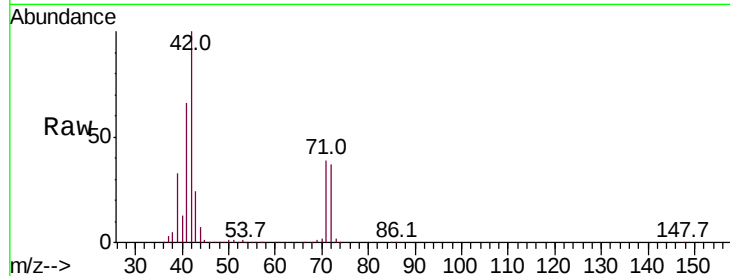
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	684913
Ion Ratio	Lower	Upper	
42	100		
72	39.7	32.0	48.0
71	39.4	30.4	45.6

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#42

Bromodichloromethane

Concen: 12.281 ppbv

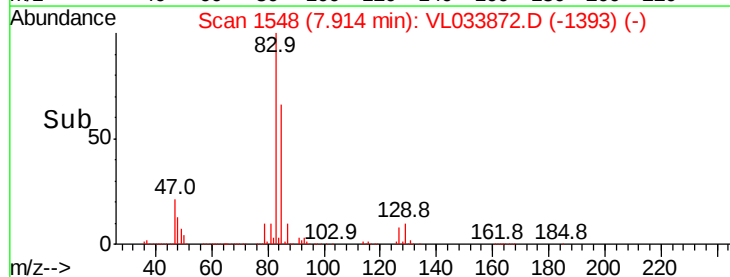
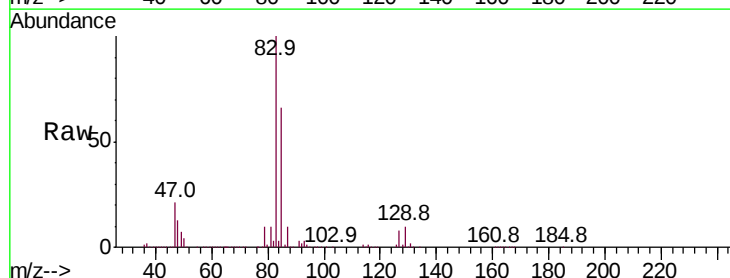
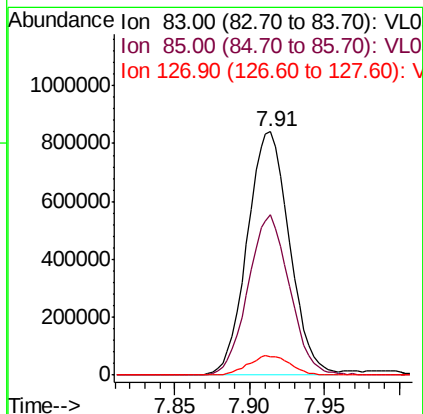
RT: 7.91 min Scan# 1548

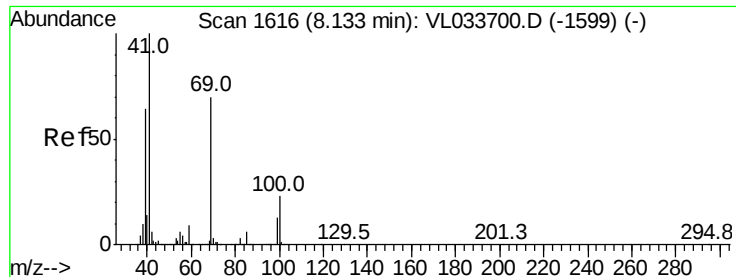
Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Tgt Ion:	83	Resp:	1651209
Ion Ratio	Lower	Upper	
83	100		
85	65.8	53.3	79.9
127	7.8	6.5	9.7





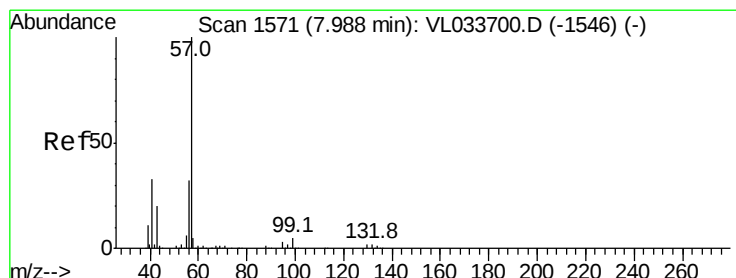
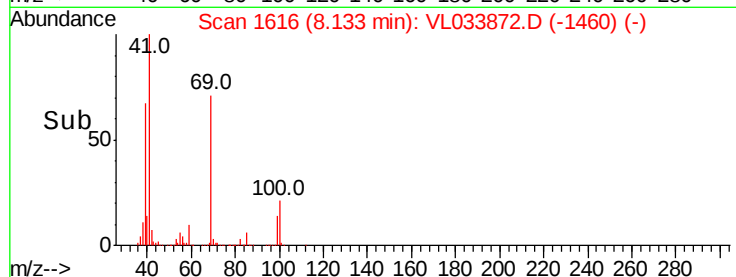
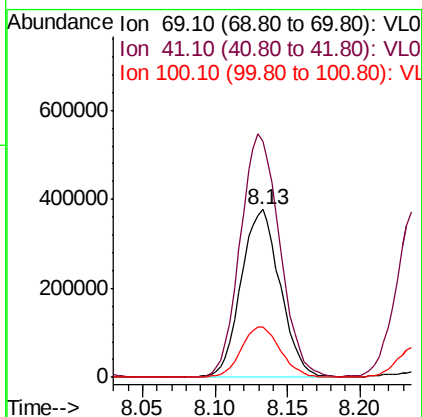
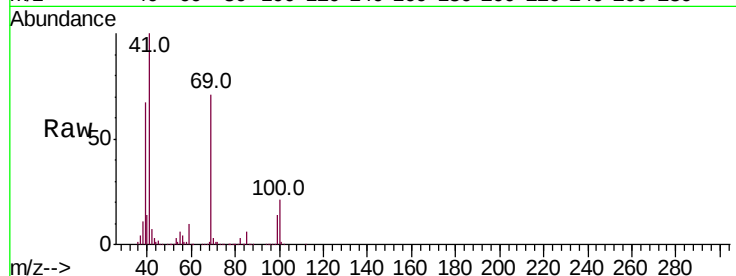
#43
Methyl Methacrylate
Concen: 12.638 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
69	100		
41	146.4	116.3	174.5
100	30.0	25.3	37.9

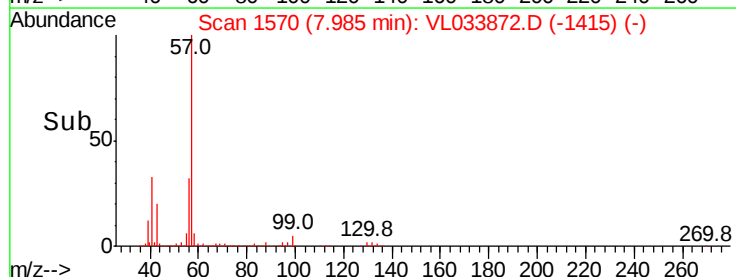
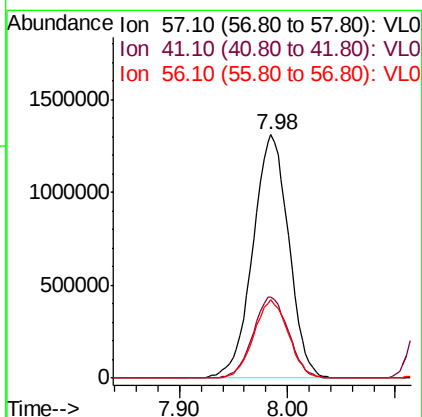
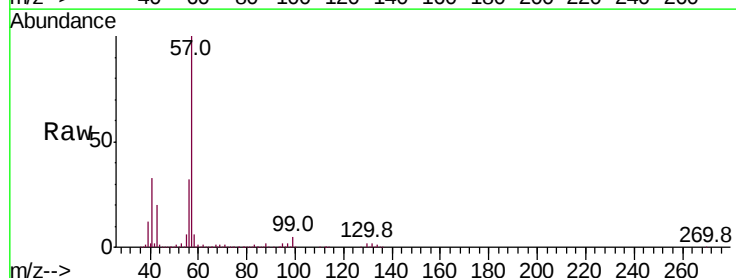
Manual Integrations
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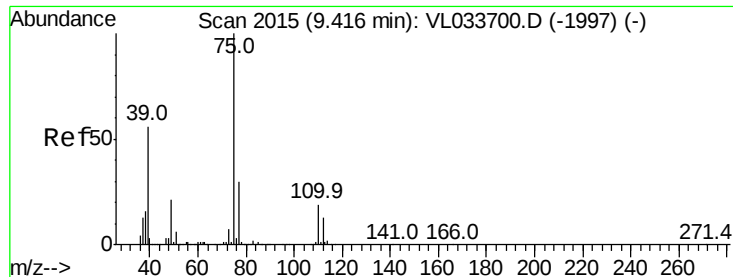
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#44
2,2,4-Trimethylpentane
Concen: 11.758 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Tgt Ion	Ratio	Lower	Upper
57	100		
41	33.3	25.4	38.0
56	31.1	24.7	37.1





#45

t-1,3-Dichloropropene

Concen: 13.673 ppbv

RT: 9.41 min Scan# 2014

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 971226

Ion Ratio Lower Upper

75 100

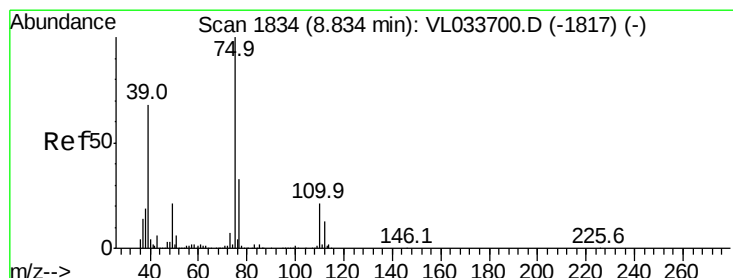
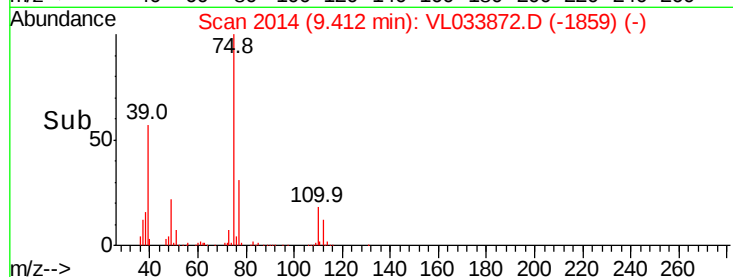
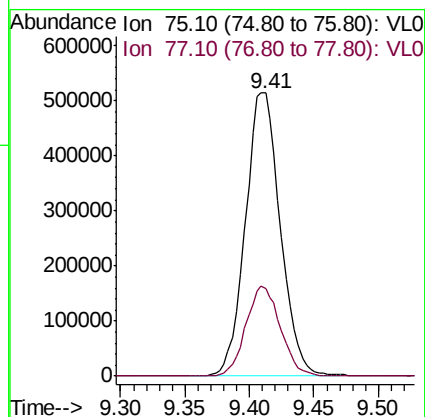
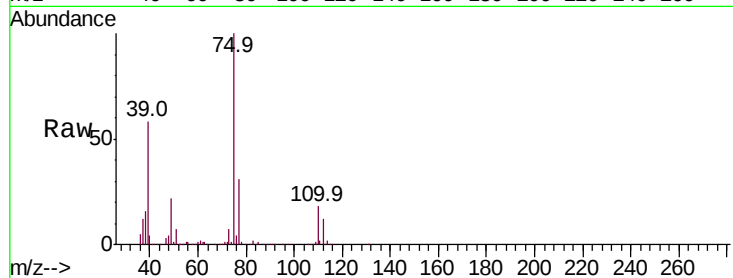
77 30.9 24.4 36.6

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#46

cis-1,3-Dichloropropene

Concen: 13.147 ppbv

RT: 8.83 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

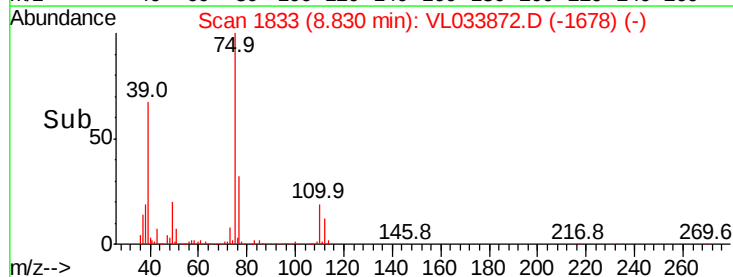
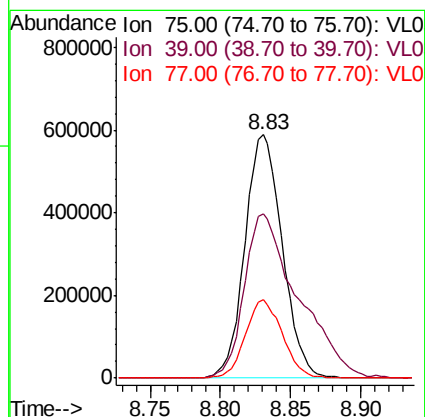
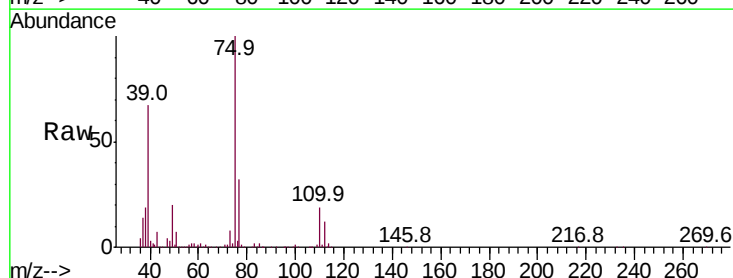
Tgt Ion: 75 Resp: 1093449

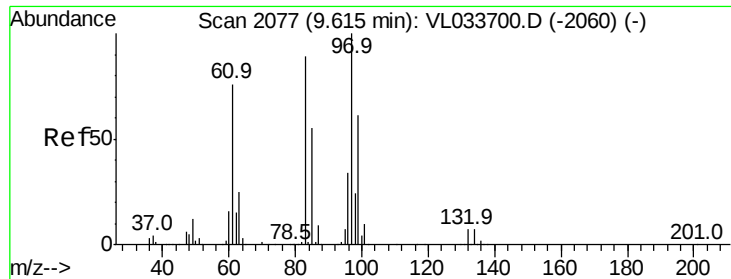
Ion Ratio Lower Upper

75 100

39 67.4 54.4 81.6

77 32.0 26.6 39.8





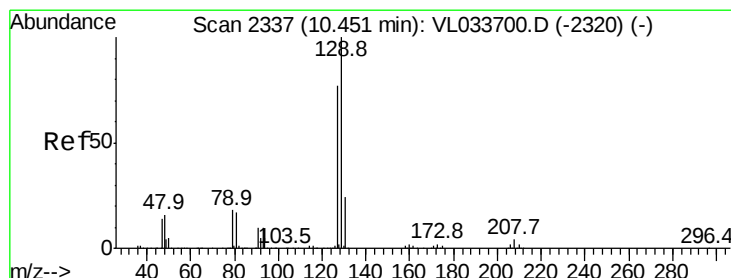
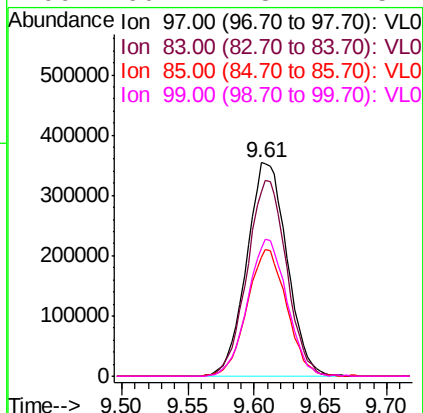
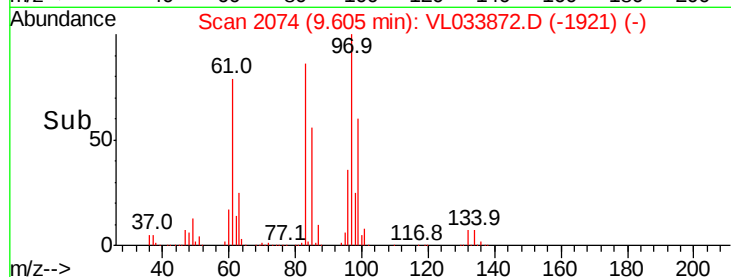
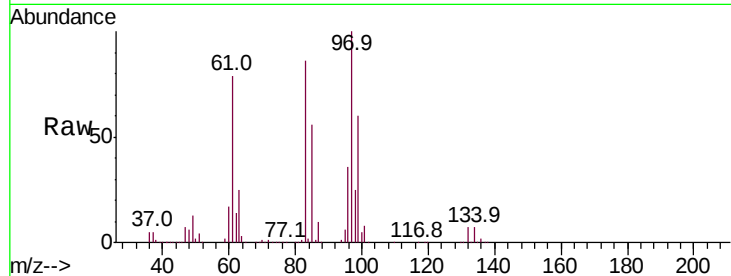
#47
 1,1,2-Trichloroethane
 Concen: 11.671 ppbv
 RT: 9.61 min Scan# 2074
 Delta R.T. -0.01 min
 Lab File: VL033872.D
 Acq: 30 May 2019 16:00

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Tot Ion	97	Resp	752588
Ion	Ratio	Lower	Upper
97	100		
83	85.9	70.8	106.2
85	55.7	43.7	65.5
99	60.1	48.7	73.1

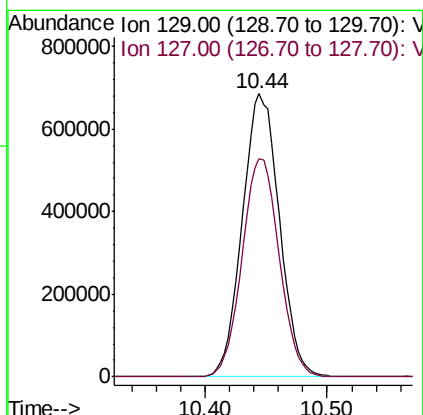
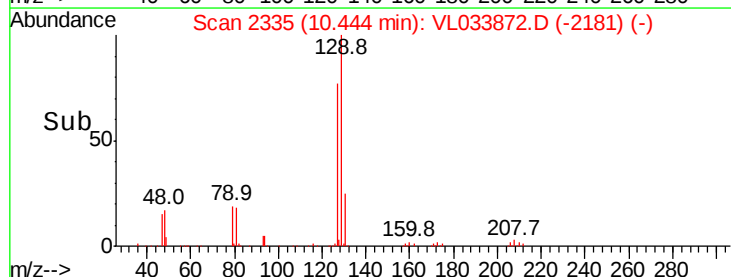
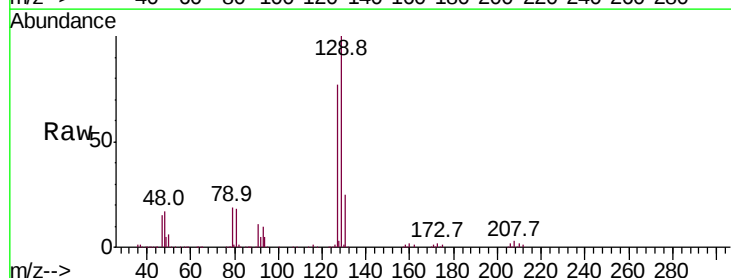
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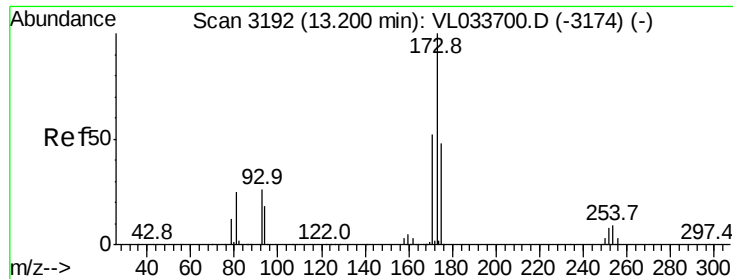
apatel
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#48
 Dibromochloromethane
 Concen: 12.847 ppbv
 RT: 10.44 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: VL033872.D
 Acq: 30 May 2019 16:00

Tgt Ion	129	Resp	1435380
Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.6	116.0





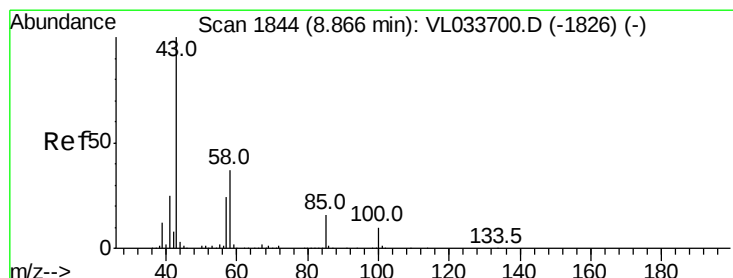
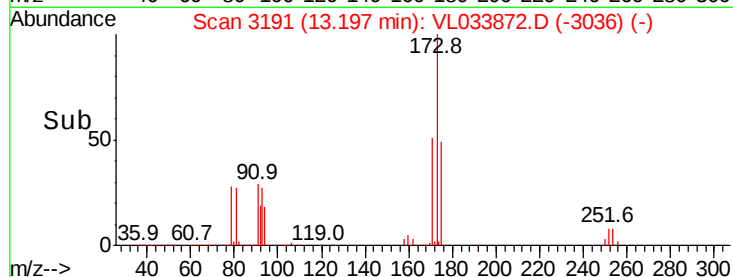
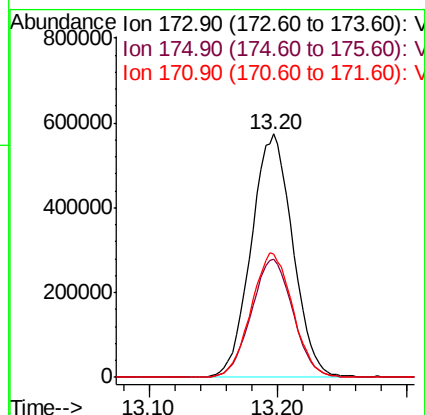
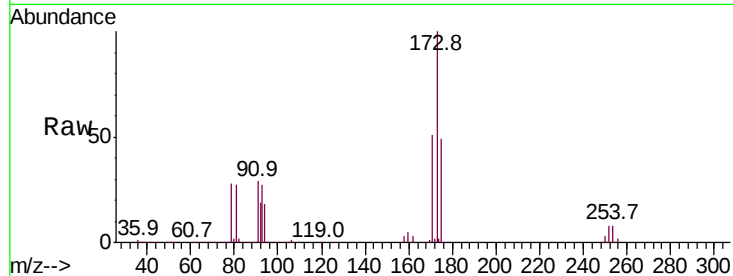
#49
Bromoform
Concen: 13.655 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. -0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	38.6	58.0
171	51.4	41.5	62.3

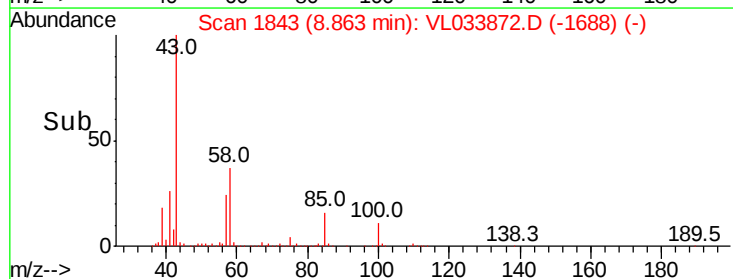
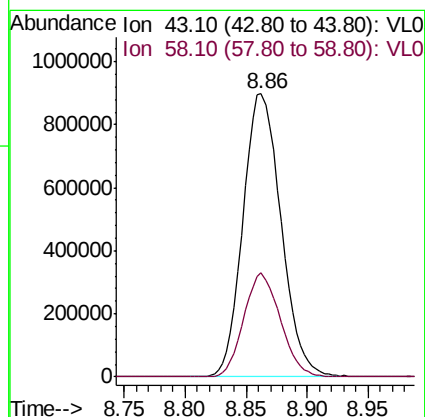
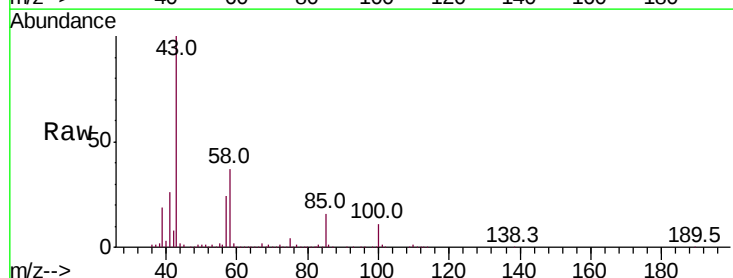
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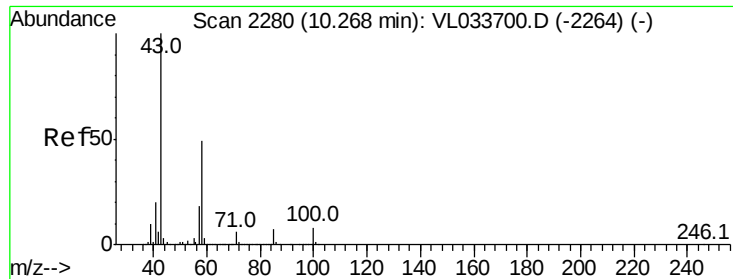
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#50
4-Methyl-2-Pentanone
Concen: 12.149 ppbv
RT: 8.86 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.3	28.6	43.0





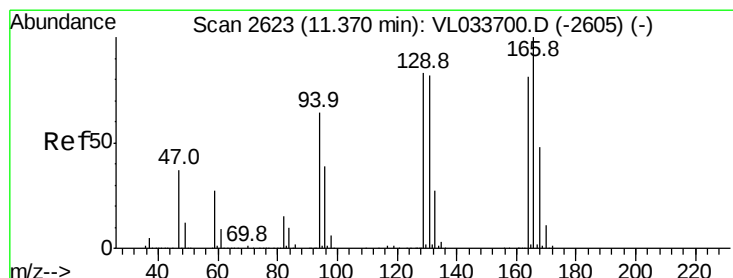
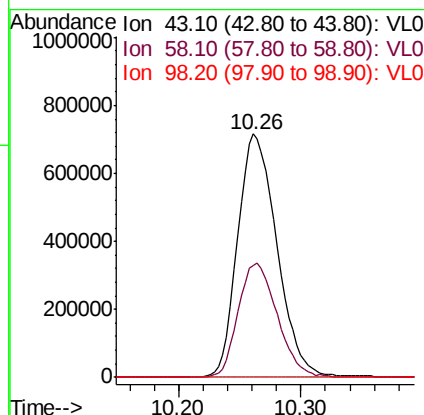
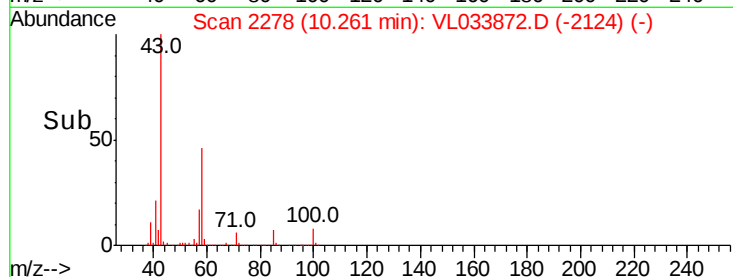
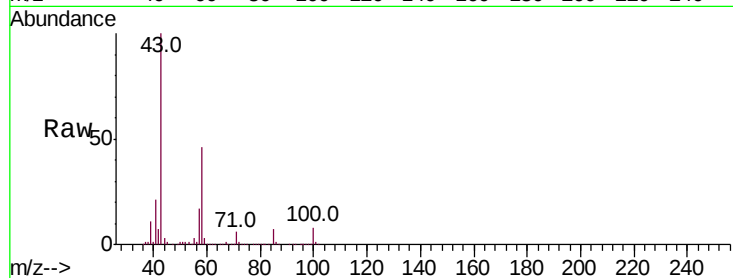
#51
2-Hexanone
Concen: 12.790 ppbv
RT: 10.26 min Scan# 2278
Delta R.T. -0.01 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1592839
Ion Ratio Lower Upper
43 100
58 46.9 38.7 58.1
98 0.5 0.2 0.4#

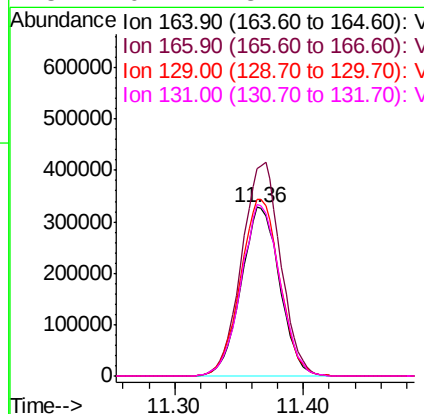
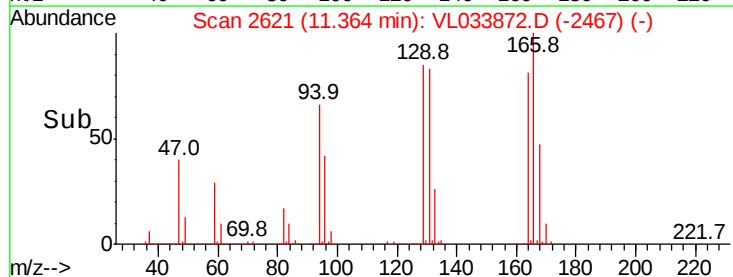
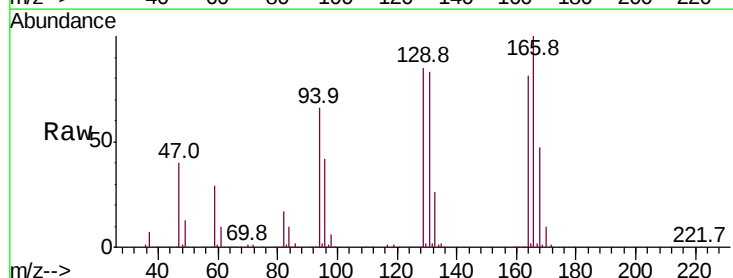
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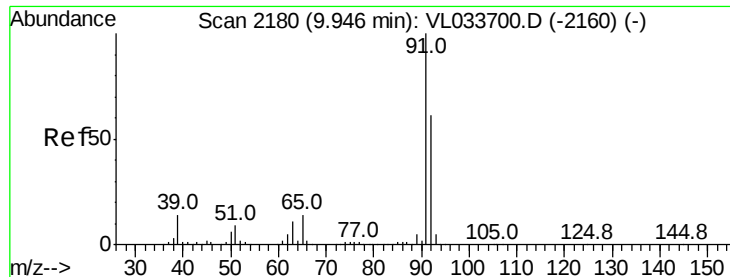
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#52
Tetrachloroethene
Concen: 12.759 ppbv
RT: 11.36 min Scan# 2621
Delta R.T. -0.01 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Tgt Ion: 164 Resp: 682838
Ion Ratio Lower Upper
164 100
166 122.7 98.9 148.3
129 104.4 81.8 122.6
131 101.7 81.1 121.7





#53

Toluene

Concen: 12.662 ppbv

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2079144

Ion Ratio Lower Upper

91 100

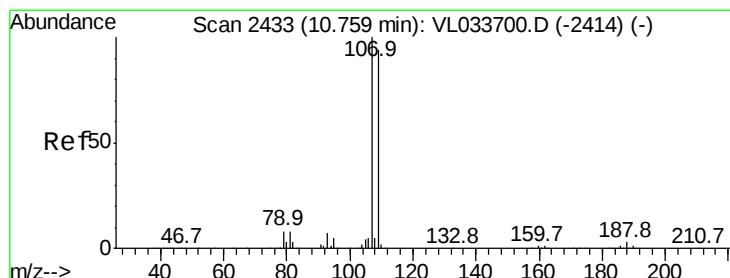
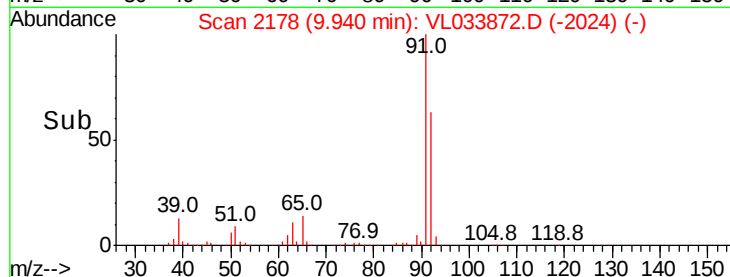
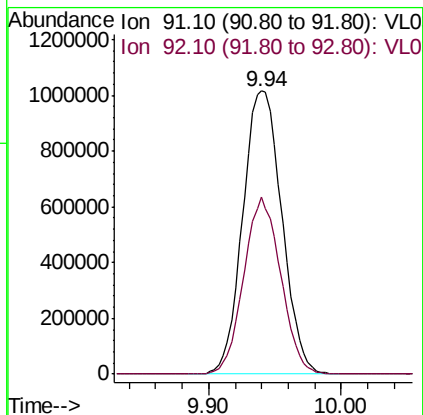
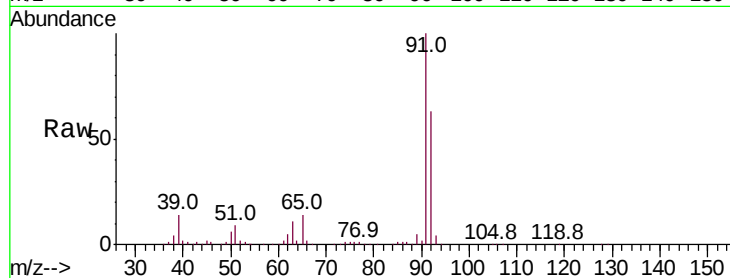
92 59.3 47.6 71.4

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#54

1,2-Dibromoethane

Concen: 12.091 ppbv

RT: 10.75 min Scan# 2431

Delta R.T. -0.01 min

Lab File: VL033872.D

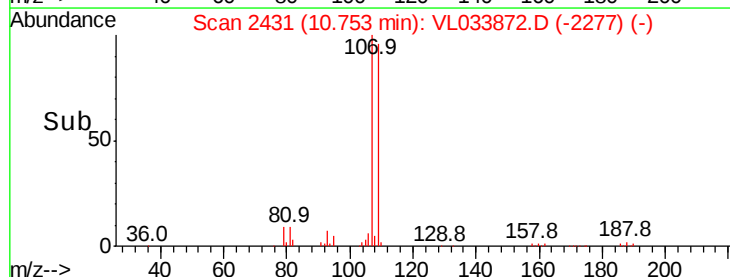
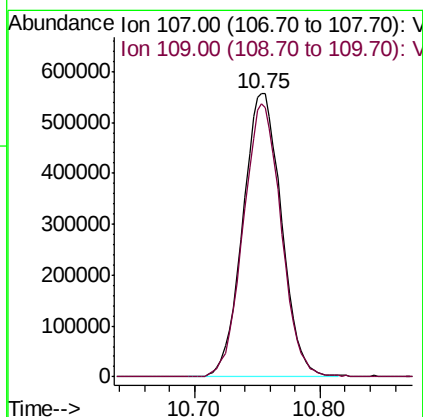
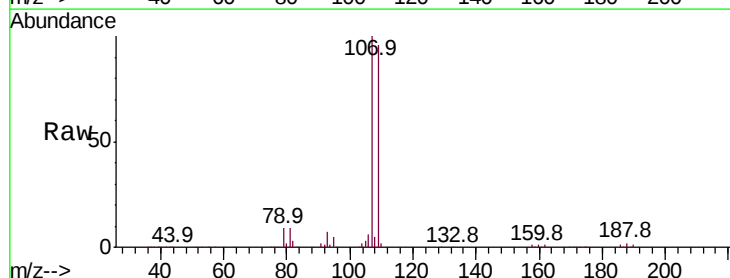
Acq: 30 May 2019 16:00

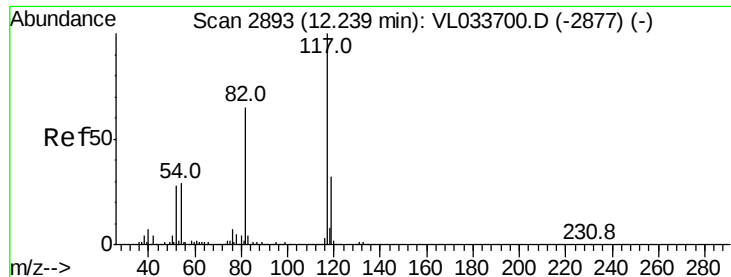
Tgt Ion: 107 Resp: 1189822

Ion Ratio Lower Upper

107 100

109 96.4 75.2 112.8





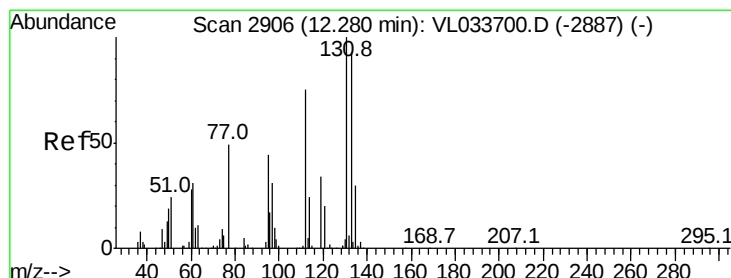
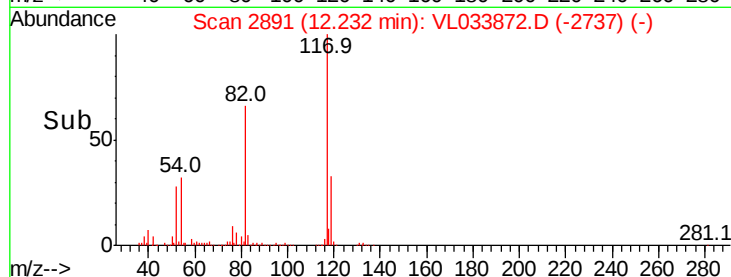
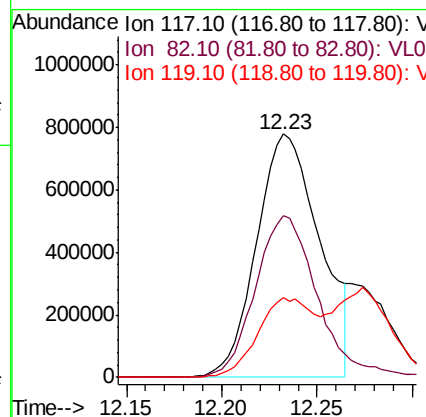
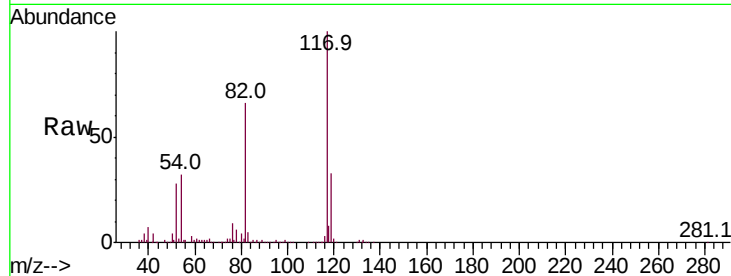
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.6	49.4	74.0
119	27.2	24.9	37.3

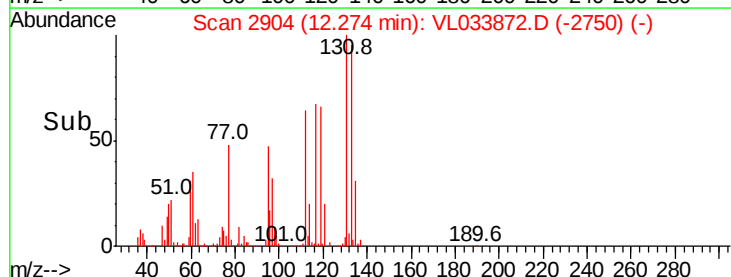
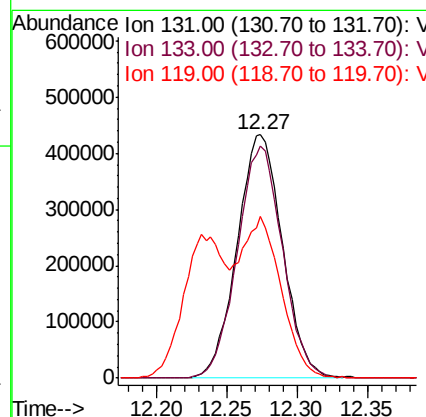
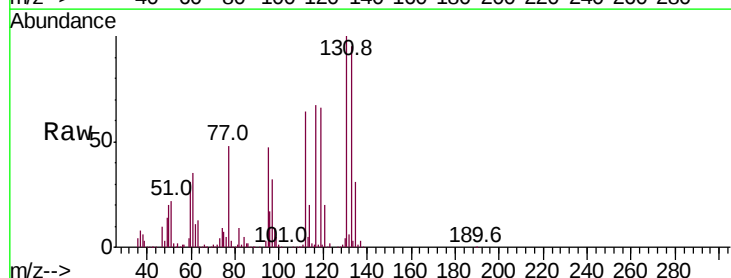
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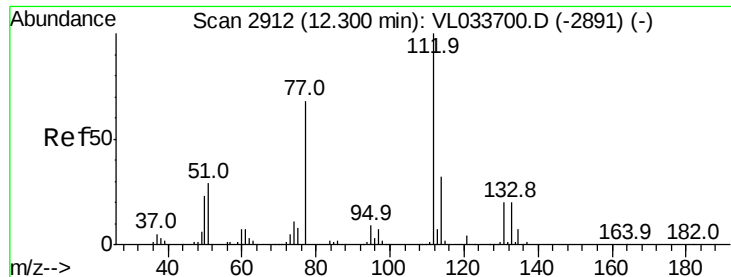
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#56
1,1,1,2-Tetrachloroethane
Concen: 11.746 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	76.6	114.8
119	65.7	49.0	73.4





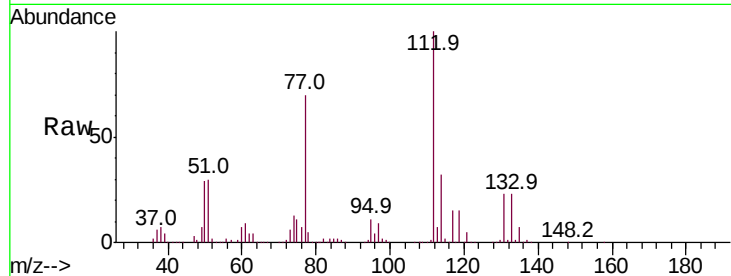
#57
Chlorobenzene
Concen: 11.275 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
77	69.3	55.4	83.0
114	31.5	29.3	35.8

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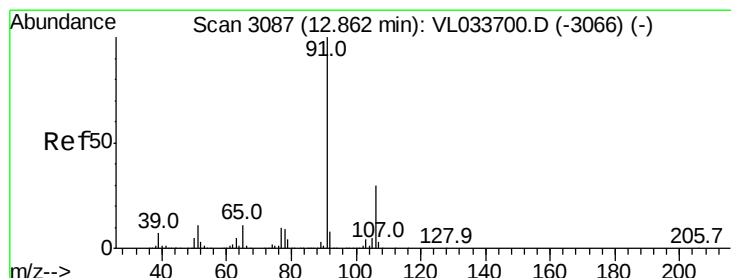
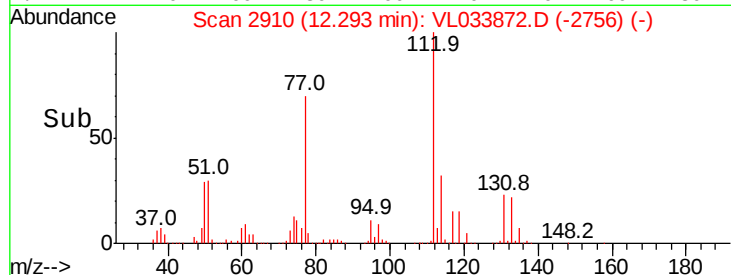
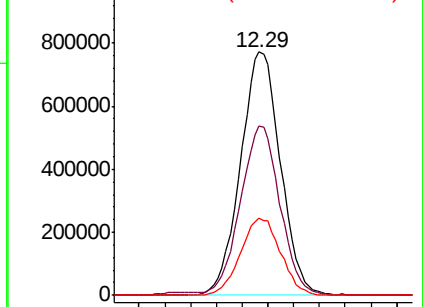


Abundance

Ion 112.10 (111.80 to 112.80): V

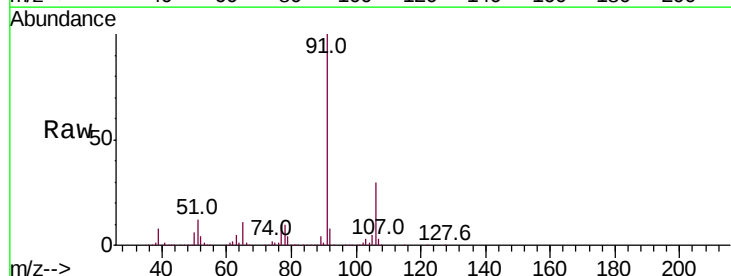
Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58
Ethyl Benzene
Concen: 12.273 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

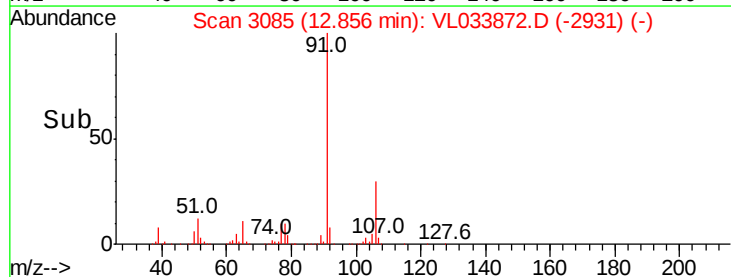
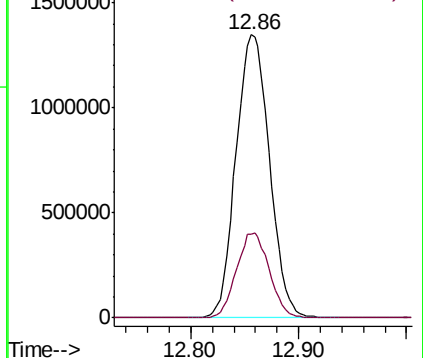
Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.9	35.9

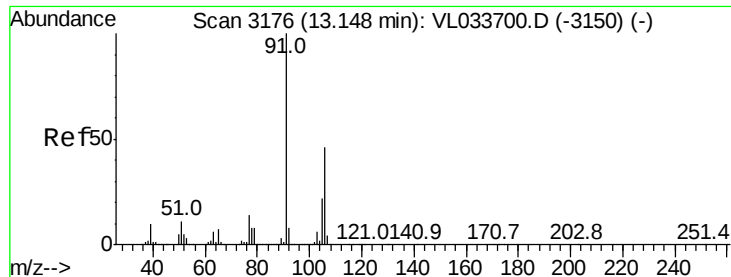


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





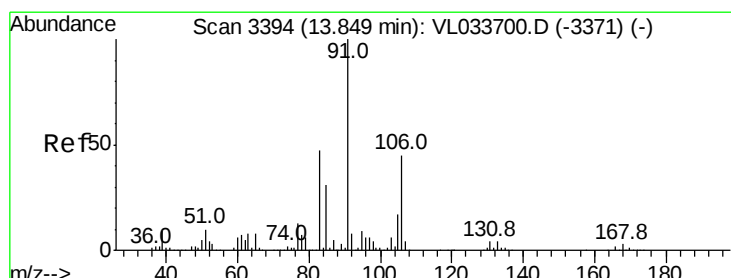
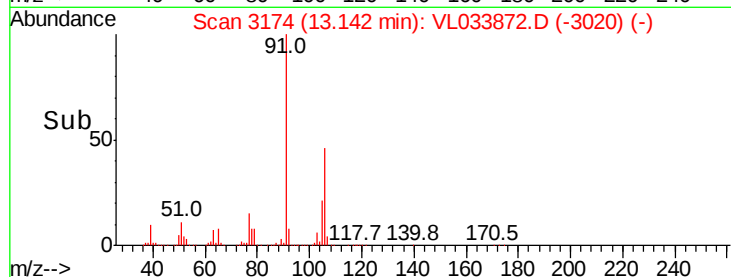
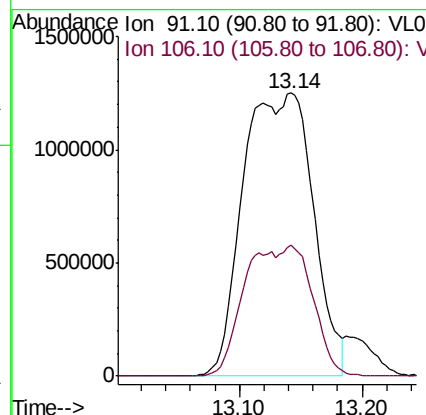
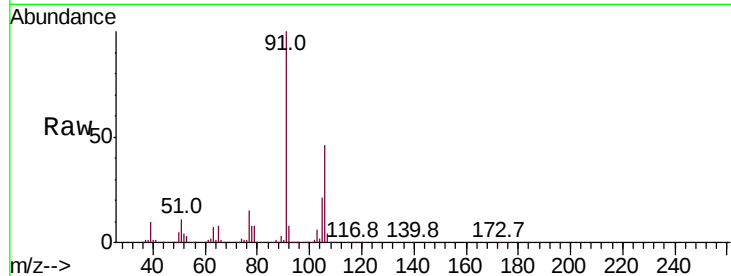
#59
m/p-Xylene
Concen: 23.909 ppbv m
RT: 13.14 min Scan# 3174
Delta R.T. -0.01 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 4956661
Ion Ratio Lower Upper
91 100
106 44.8 35.8 53.6

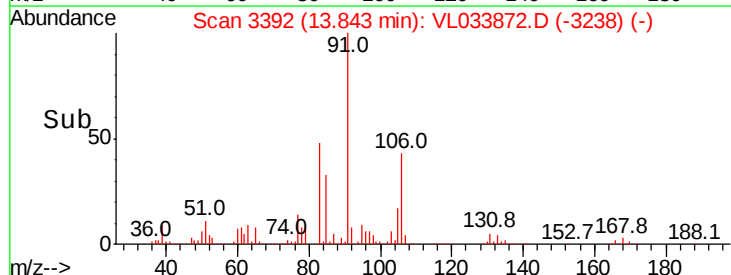
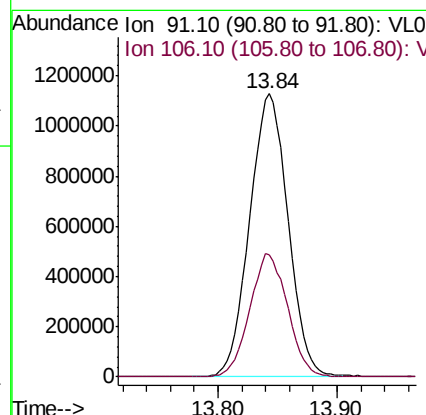
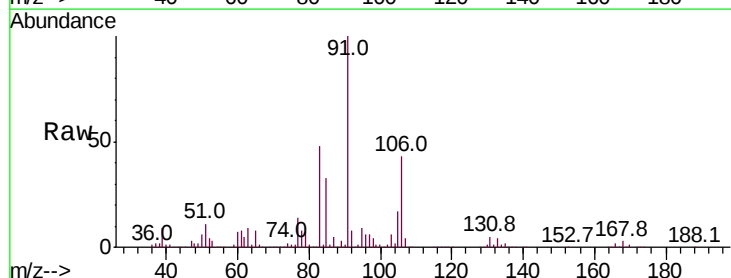
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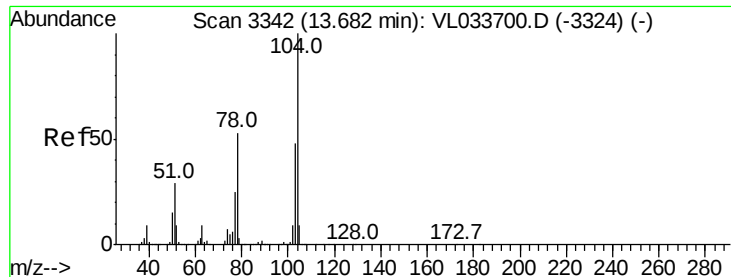
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#60
o-Xylene
Concen: 12.050 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Tgt Ion: 91 Resp: 2518417
Ion Ratio Lower Upper
91 100
106 43.1 21.6 64.8





#61

Stvrene

Concen: 12.888 ppbv

RT: 13.68 min Scan# 3341

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 1813458

Ion Ratio Lower Upper

104 100

78 55.0 42.6 64.0

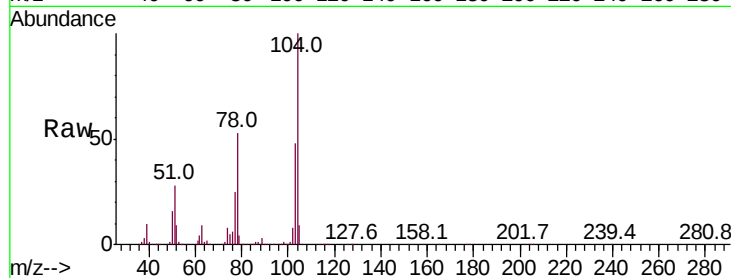
103 47.3 37.8 56.6

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apatel

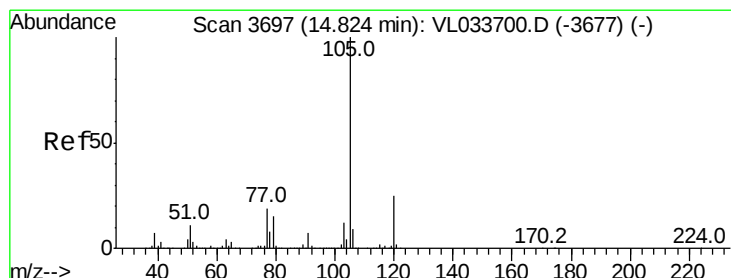
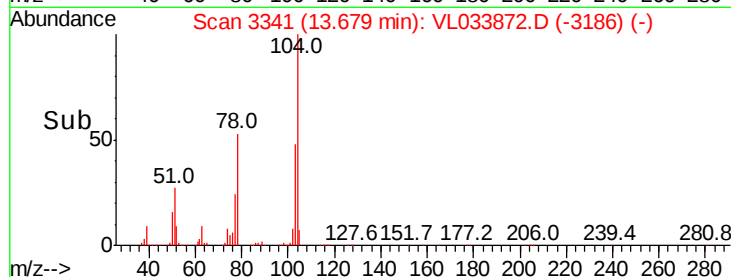
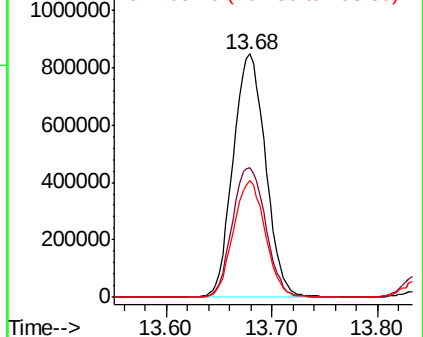
5/31/2019 2:51:10 PM



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: 11.870 ppbv

RT: 14.82 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VL033872.D

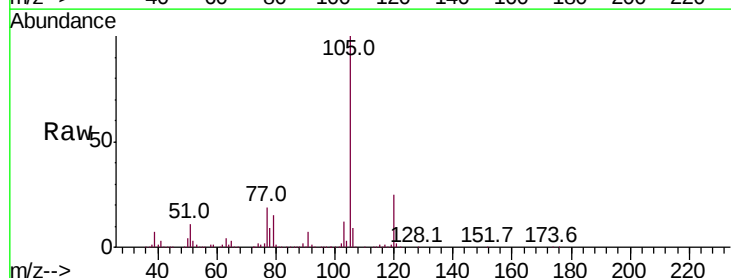
Acq: 30 May 2019 16:00

Tgt Ion:105 Resp: 3340702

Ion Ratio Lower Upper

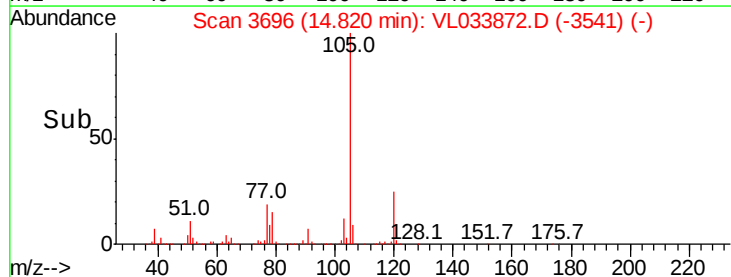
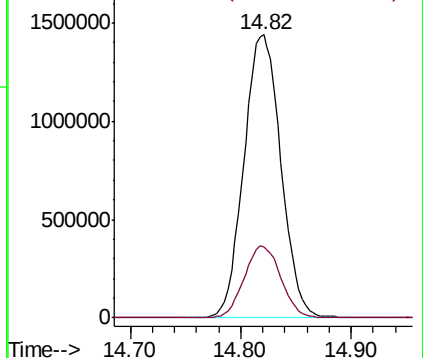
105 100

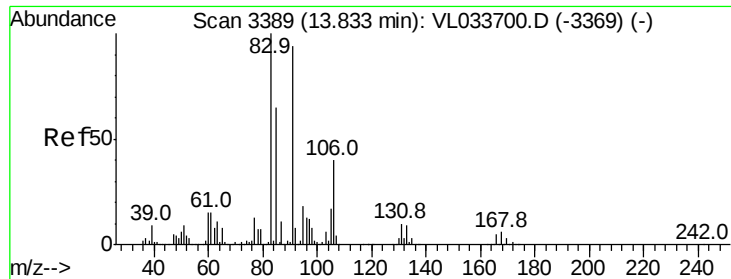
120 25.2 20.1 30.1



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: 11.638 ppbv

RT: 13.83 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 1768751

Ion Ratio Lower Upper

83 100

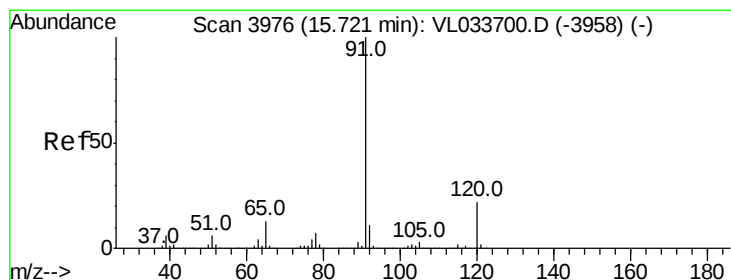
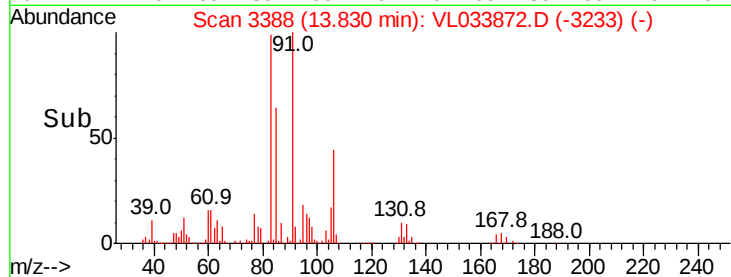
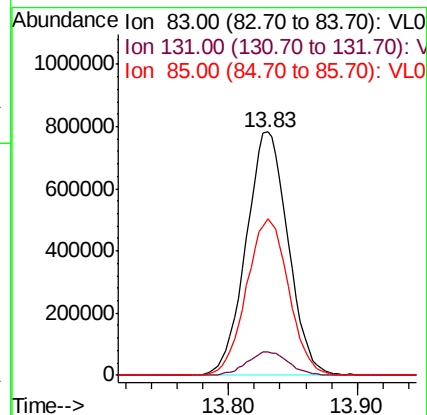
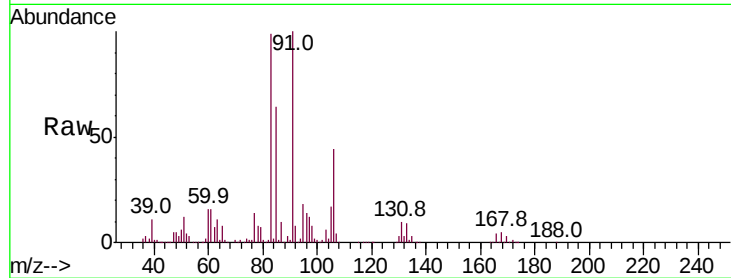
131 9.7 4.8 14.3

85 65.1 32.3 96.9

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#64

n-propylbenzene

Concen: 12.213 ppbv

RT: 15.71 min Scan# 3974

Delta R.T. -0.01 min

Lab File: VL033872.D

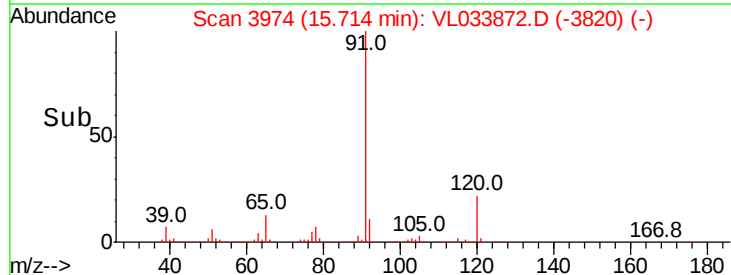
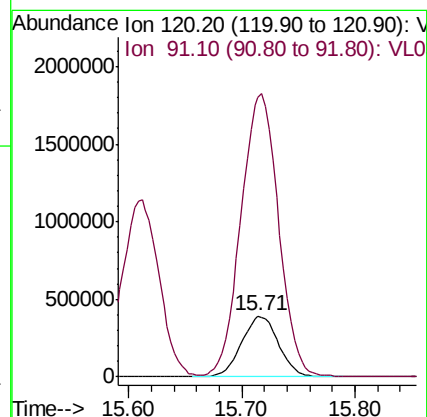
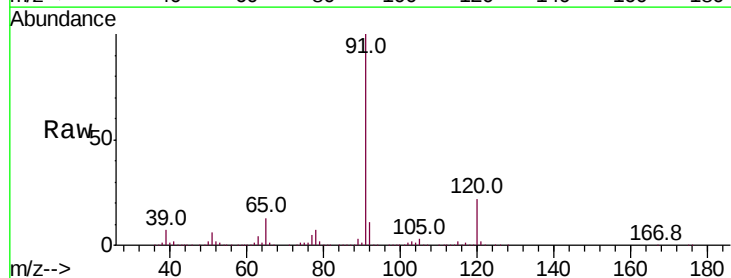
Acq: 30 May 2019 16:00

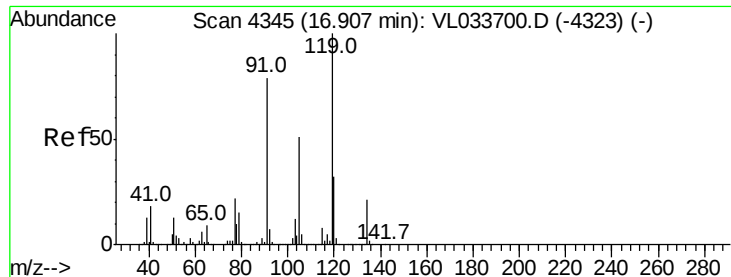
Tgt Ion:120 Resp: 889081

Ion Ratio Lower Upper

120 100

91 476.3 379.1 568.7





#65

tert-Butylbenzene

Concen: 12.381 ppbv

RT: 16.90 min Scan# 4344

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 3181397

Ion Ratio Lower Upper

119 100

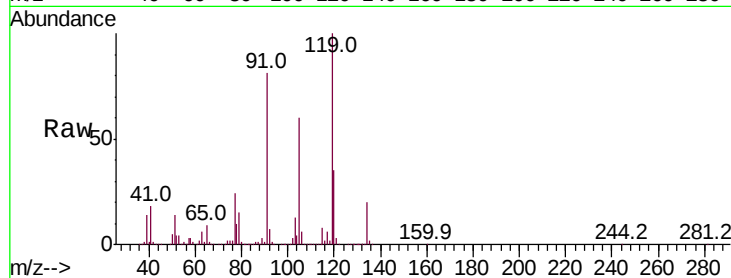
91 83.6 65.3 97.9

134 19.4 15.7 23.5

Manual Integrations
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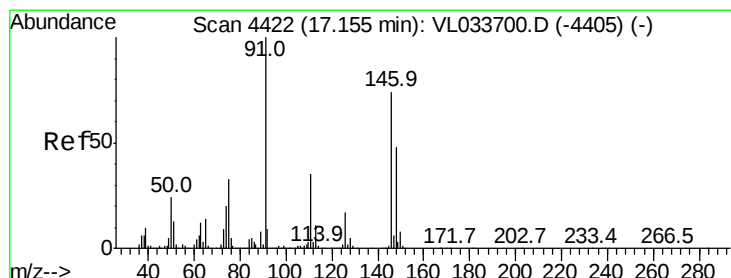
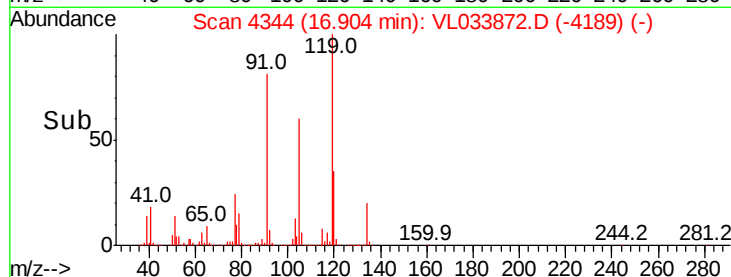
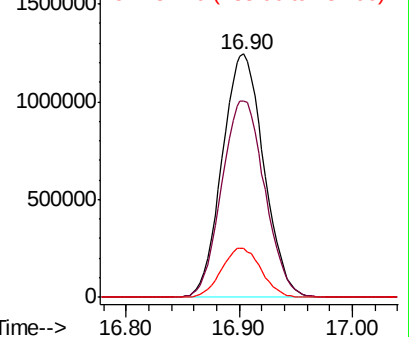
5/31/2019 2:51:10 PM



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 13.358 ppbv

RT: 17.15 min Scan# 4420

Delta R.T. -0.01 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

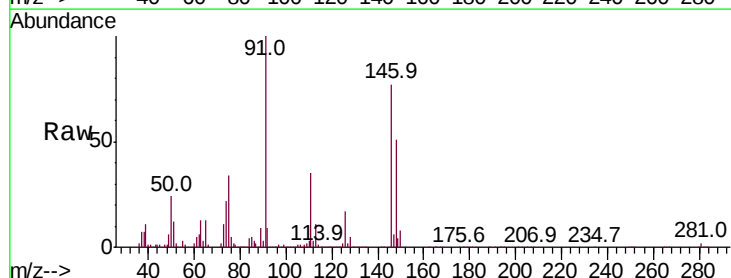
Tgt Ion: 91 Resp: 1634817

Ion Ratio Lower Upper

91 100

126 17.0 13.5 20.3

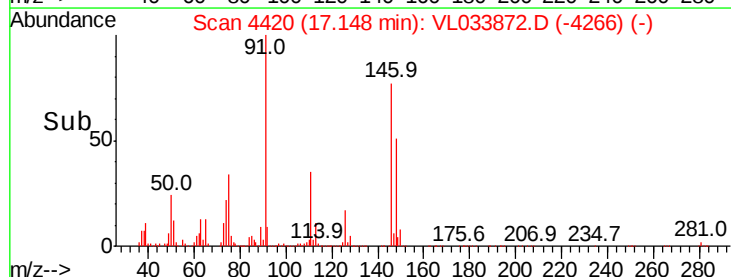
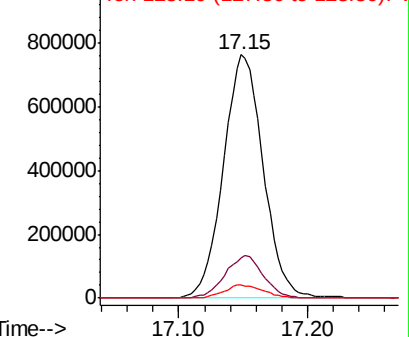
128 5.4 4.3 6.5

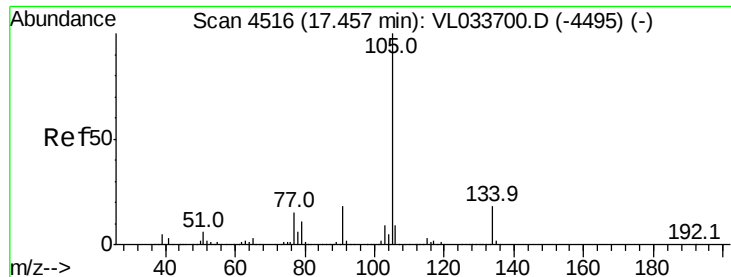


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 12.241 ppbv

RT: 17.45 min Scan# 4514

Delta R.T. -0.01 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 4402463

Ion Ratio Lower Upper

105 100

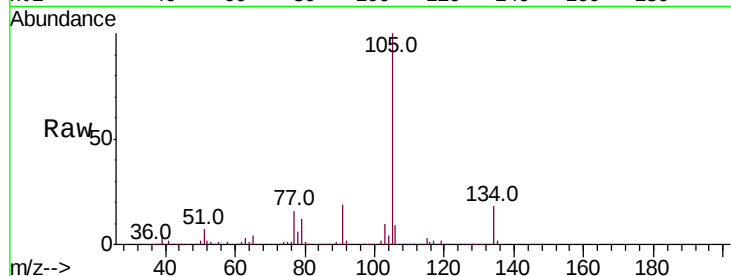
134 18.0 14.6 22.0

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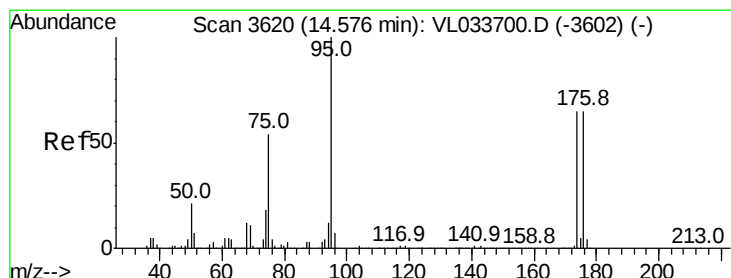
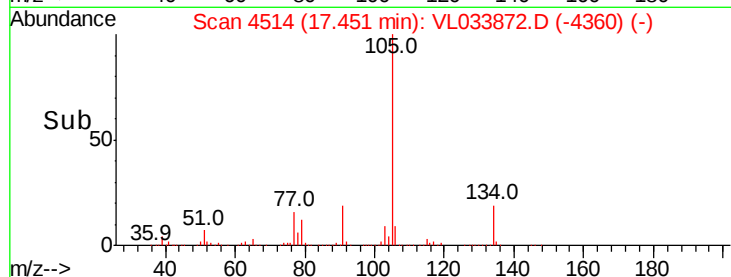
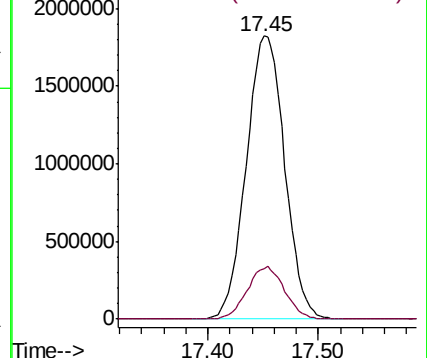
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.898 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

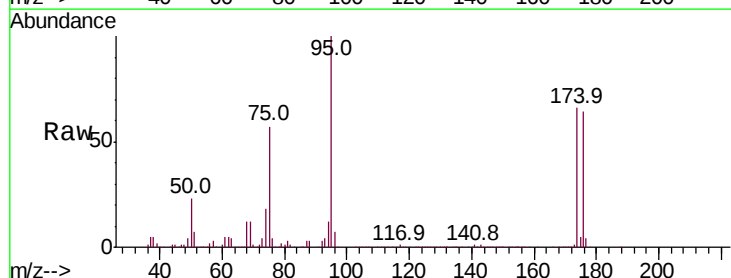
Tgt Ion: 95 Resp: 1437007

Ion Ratio Lower Upper

95 100

174 65.8 53.9 80.9

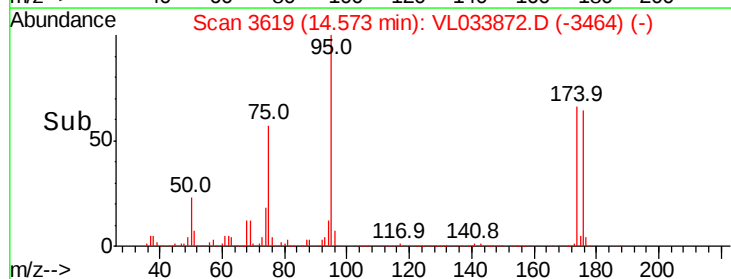
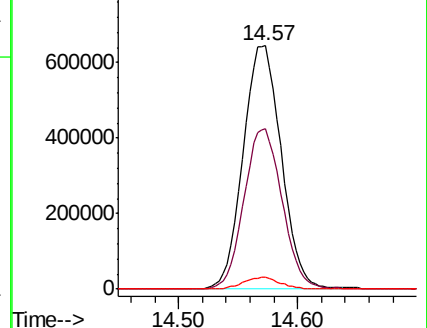
175 4.8 3.8 5.8

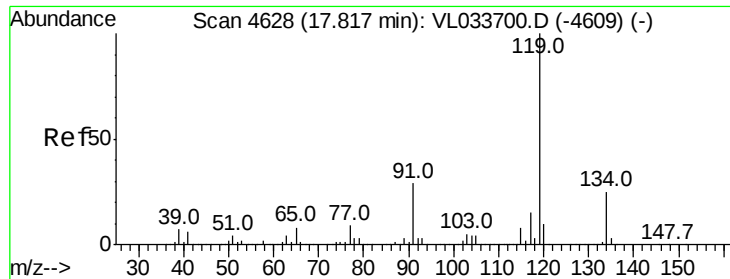


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





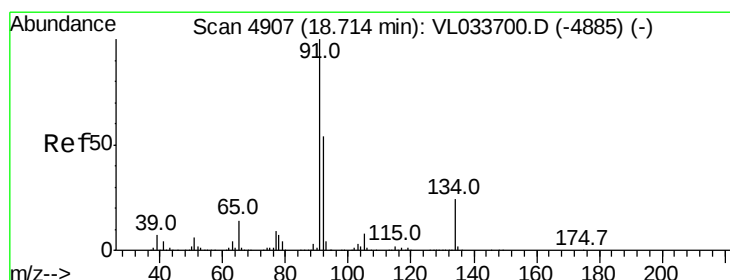
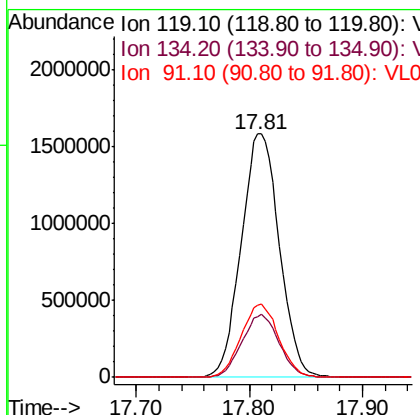
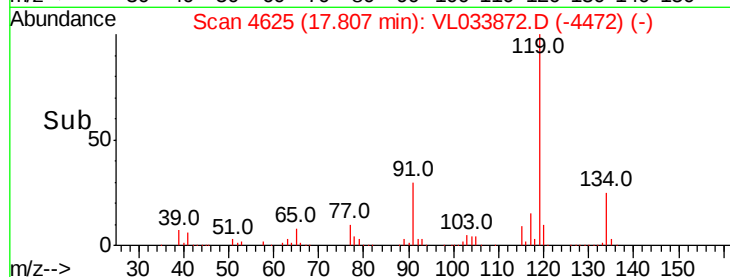
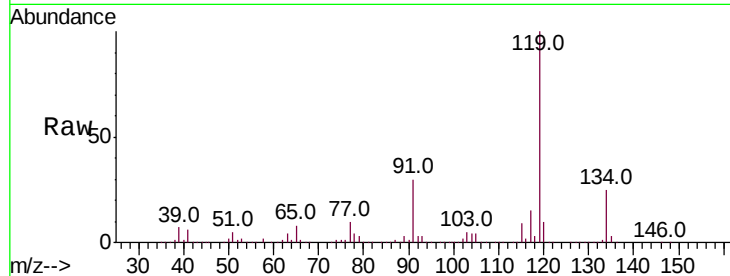
#69
 p-Isopropyltoluene
 Concen: 12.431 ppbv
 RT: 17.81 min Scan# 4625
 Delta R.T. -0.01 min
 Lab File: VL033872.D
 Acq: 30 May 2019 16:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.3	30.5
91	29.7	23.1	34.7

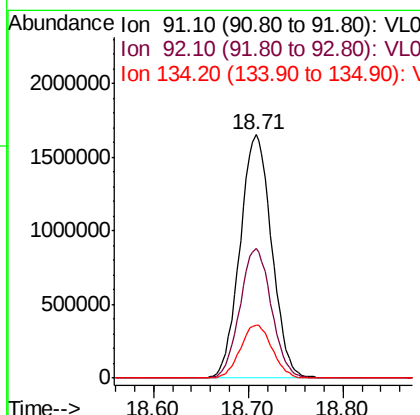
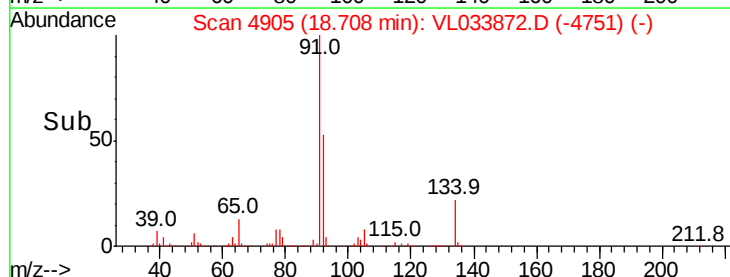
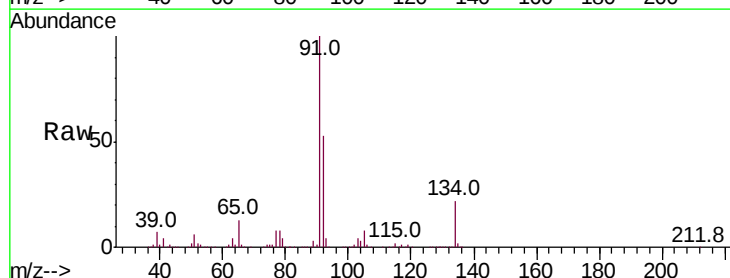
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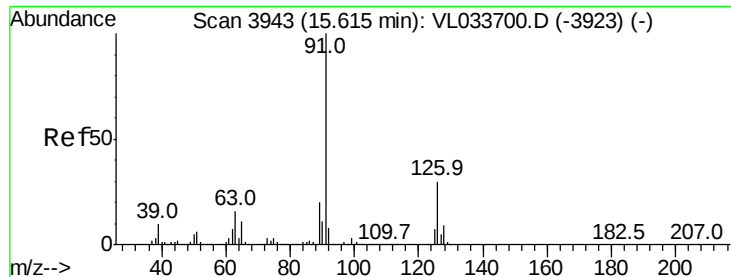
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#70
 n-Butylbenzene
 Concen: 12.058 ppbv
 RT: 18.71 min Scan# 4905
 Delta R.T. -0.01 min
 Lab File: VL033872.D
 Acq: 30 May 2019 16:00

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.1	42.6	63.8
134	22.0	18.1	27.1





#71

2-Chlorotoluene

Concen: 12.274 ppbv

RT: 15.61 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2563001

Ion Ratio Lower Upper

91 100

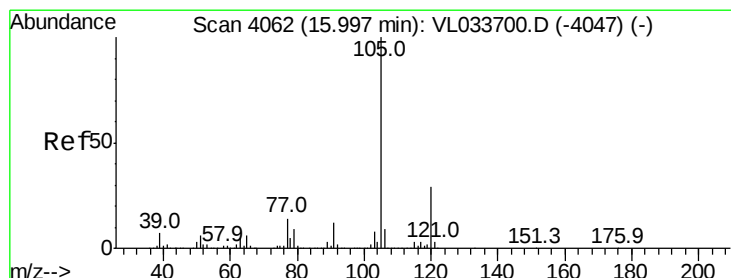
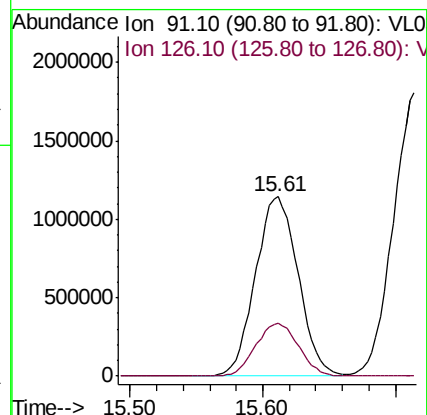
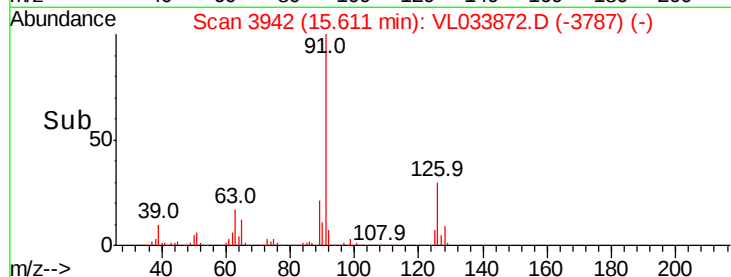
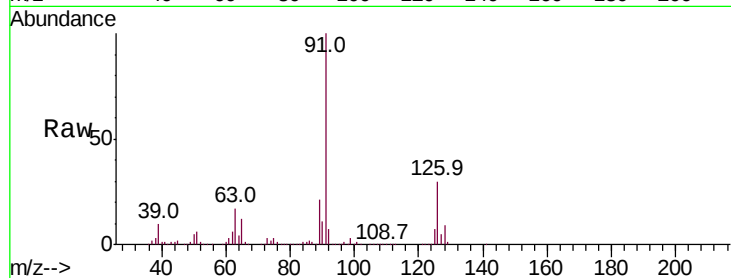
126 29.7 12.0 47.8

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#72

4-Ethyltoluene

Concen: 12.619 ppbv

RT: 15.99 min Scan# 4061

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Tgt Ion:105 Resp: 3015392

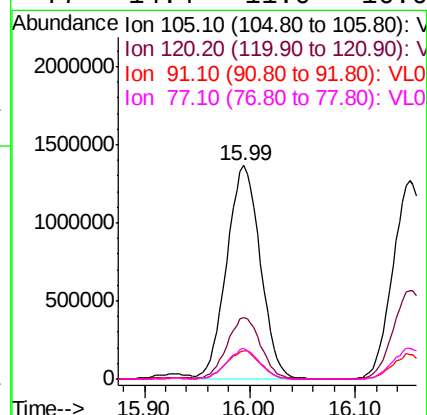
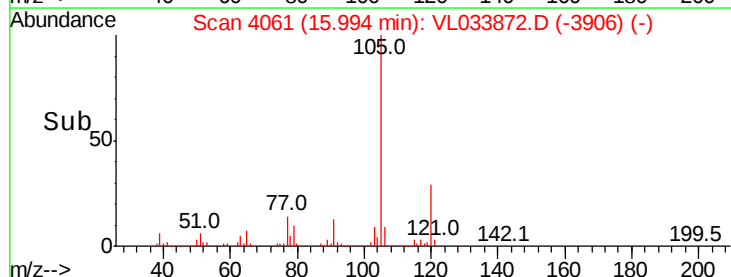
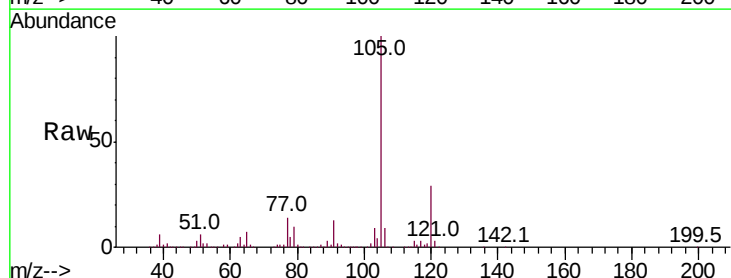
Ion Ratio Lower Upper

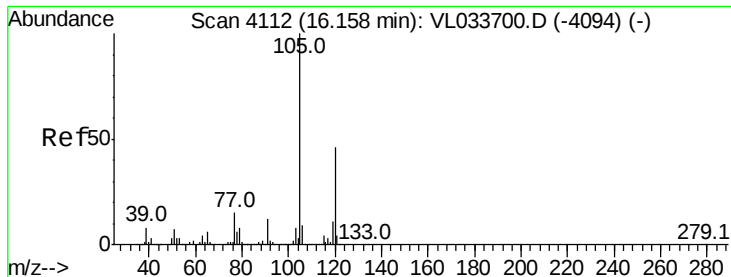
105 100

120 28.8 23.1 34.7

91 13.3 10.4 15.6

77 14.4 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 12.411 ppbv

RT: 16.15 min Scan# 4110

Delta R.T. -0.01 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 2893544

Ion Ratio Lower Upper

105 100

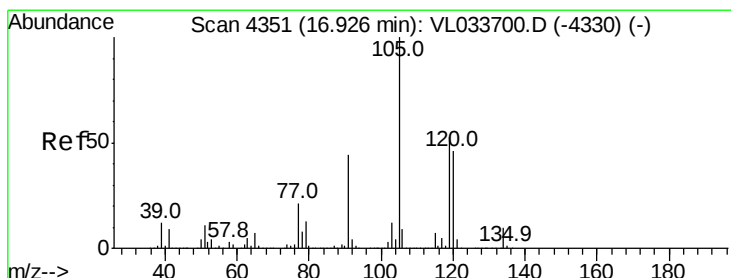
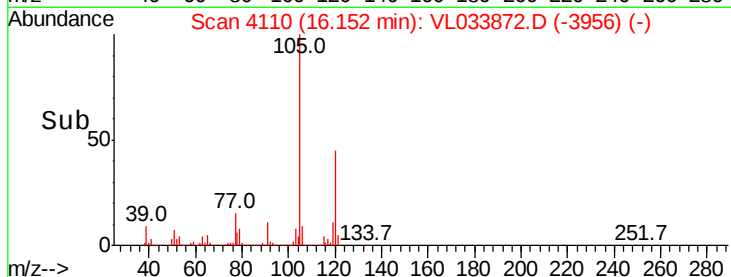
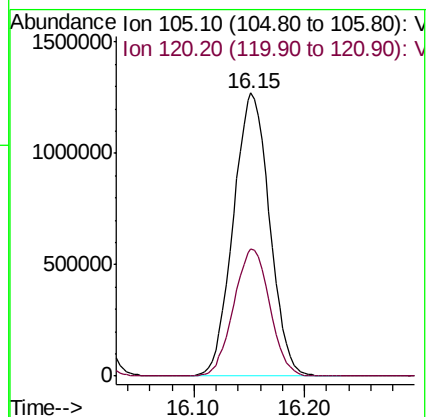
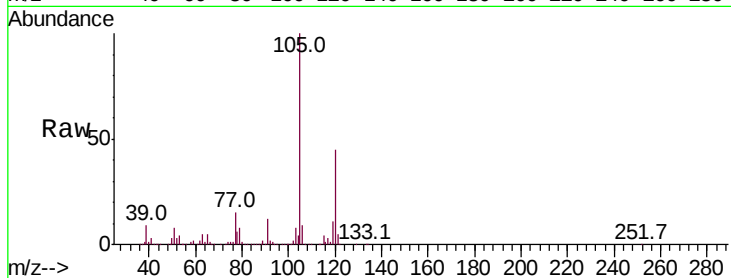
120 44.7 37.0 55.4

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#74

1,2,4-Trimethylbenzene

Concen: 12.075 ppbv

RT: 16.92 min Scan# 4349

Delta R.T. -0.01 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Tgt Ion:105 Resp: 3063674

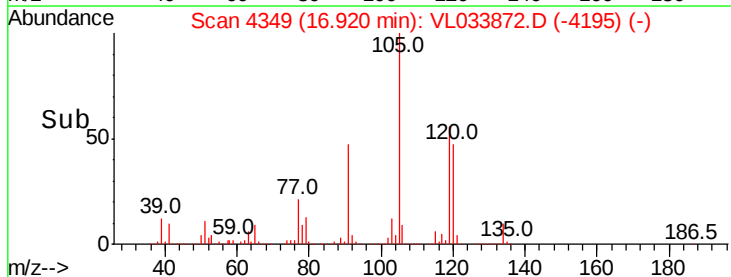
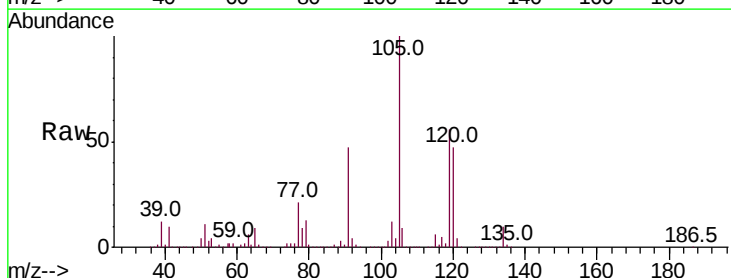
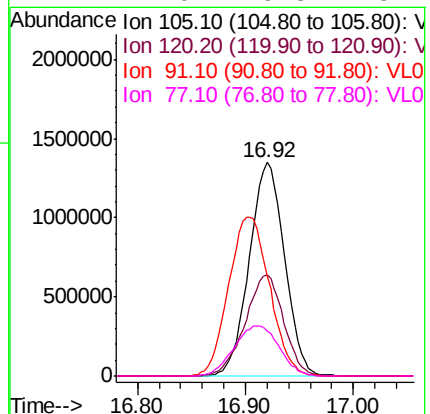
Ion Ratio Lower Upper

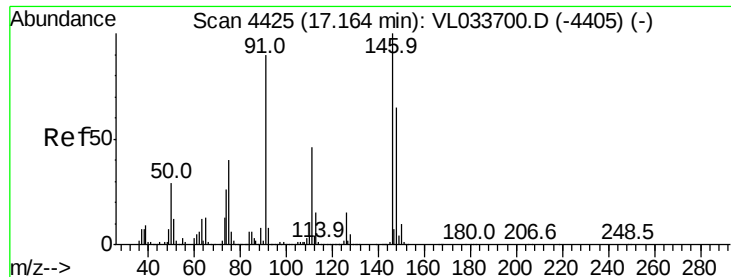
105 100

120 47.1 36.8 55.2

91 46.5 35.4 53.0

77 21.0 16.8 25.2





#75

1,3-Dichlorobenzene

Concen: 11.388 ppbv

RT: 17.16 min Scan# 4424

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 1770576

Ion Ratio Lower Upper

146 100

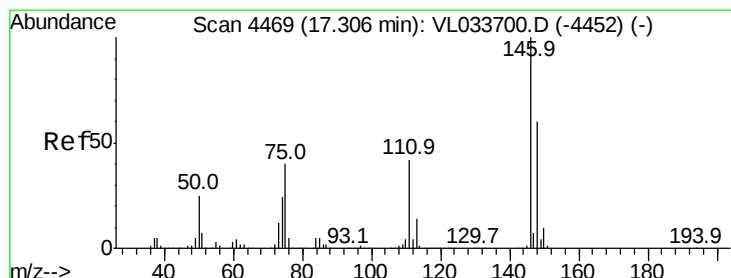
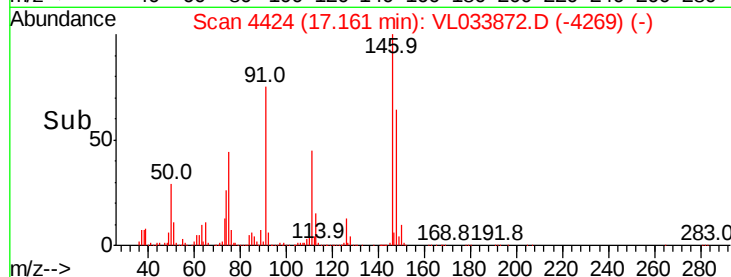
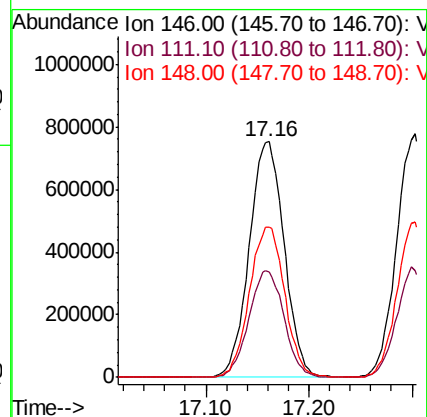
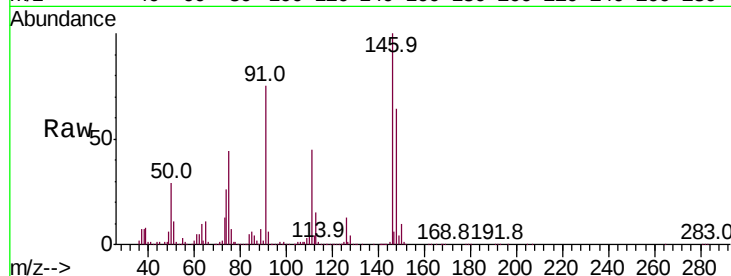
111 45.6 22.9 68.8

148 64.3 32.0 96.2

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 11.770 ppbv

RT: 17.30 min Scan# 4468

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

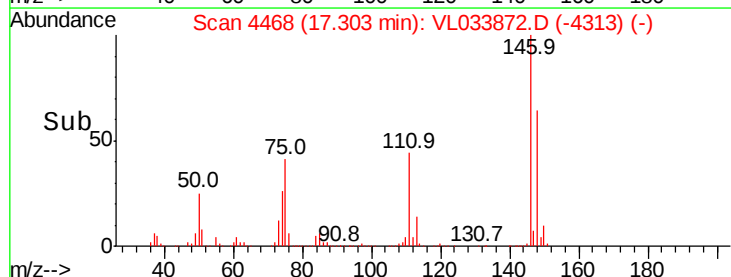
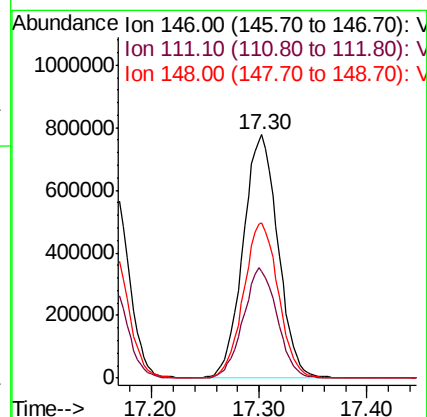
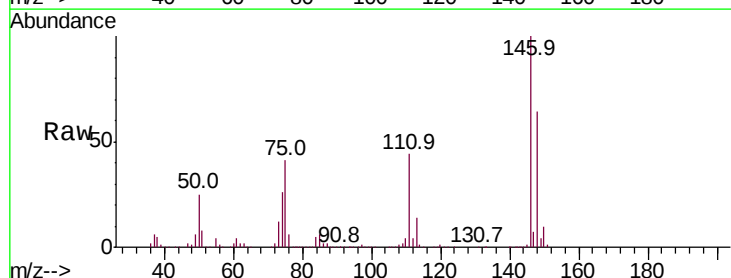
Tgt Ion:146 Resp: 1739320

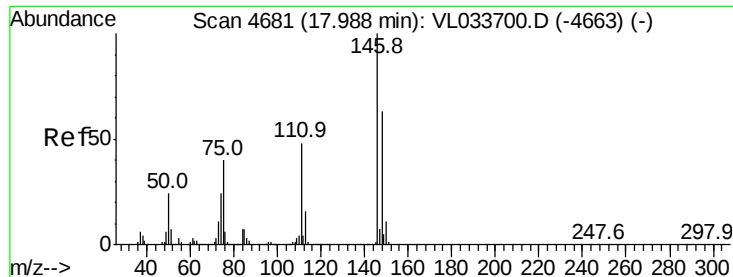
Ion Ratio Lower Upper

146 100

111 44.5 21.9 65.8

148 64.1 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 11.499 ppbv

RT: 17.98 min Scan# 4679

Delta R.T. -0.01 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 1680027

Ion Ratio Lower Upper

146 100

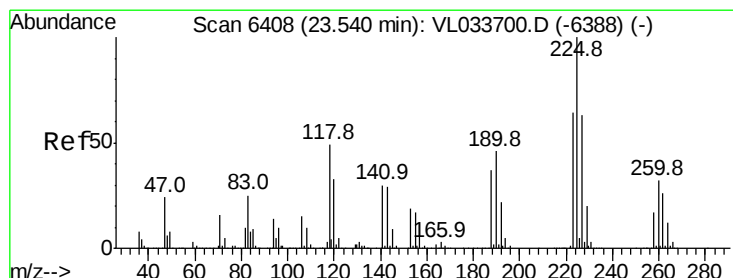
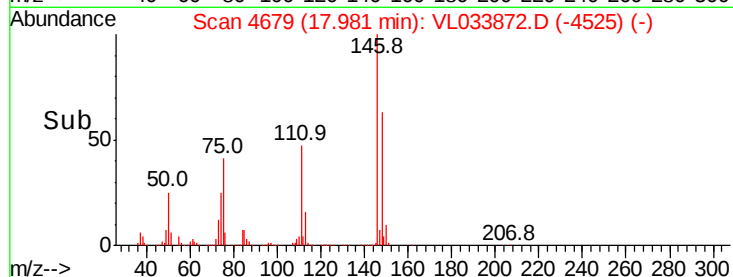
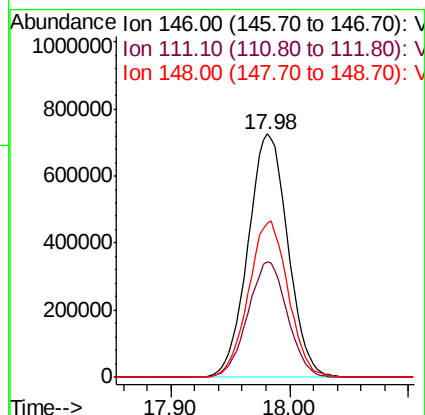
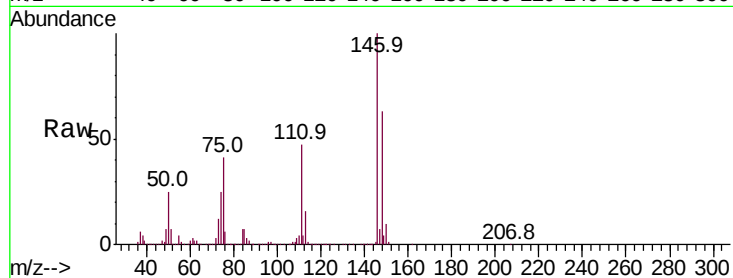
111 47.3 23.5 70.5

148 64.1 32.1 96.3

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#78

Hexachloro-1,3-Butadiene

Concen: 10.731 ppbv

RT: 23.54 min Scan# 6407

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

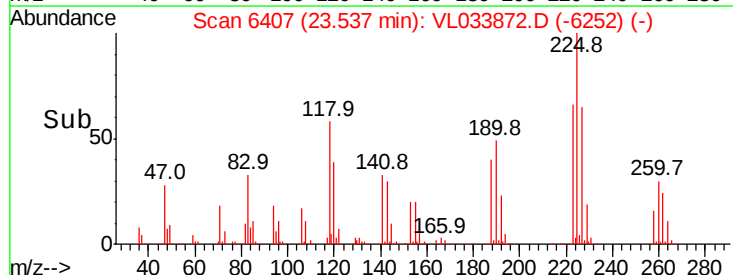
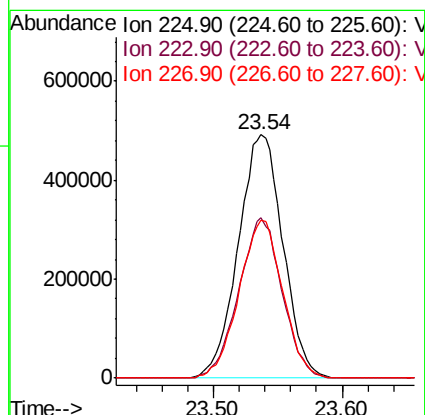
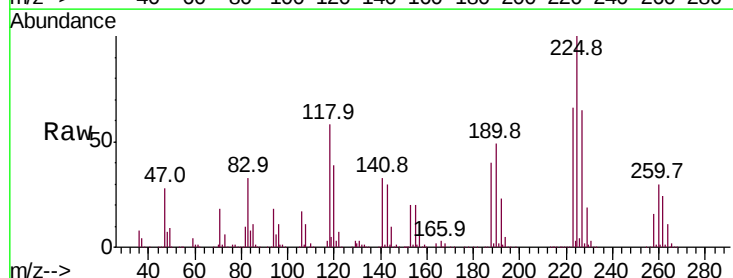
Tgt Ion:225 Resp: 1185305

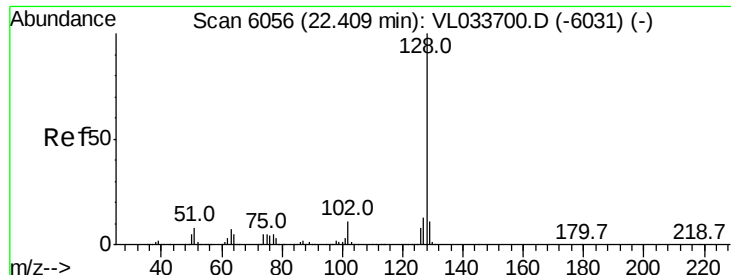
Ion Ratio Lower Upper

225 100

223 63.7 50.2 75.4

227 63.3 50.7 76.1





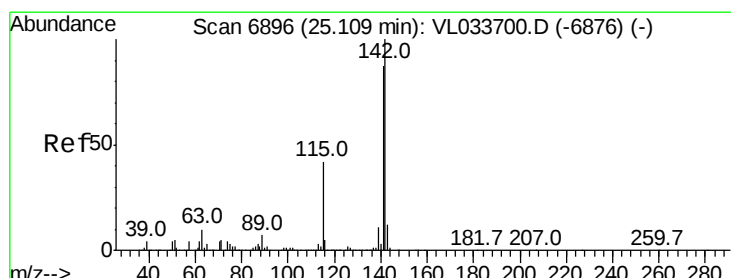
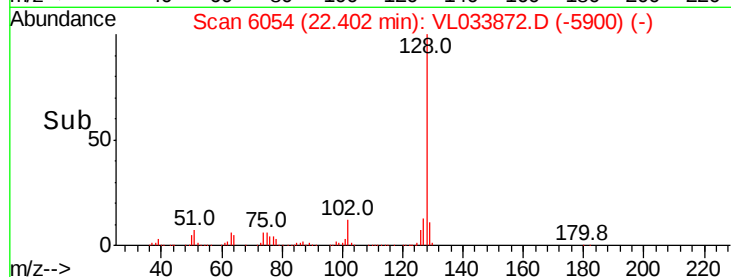
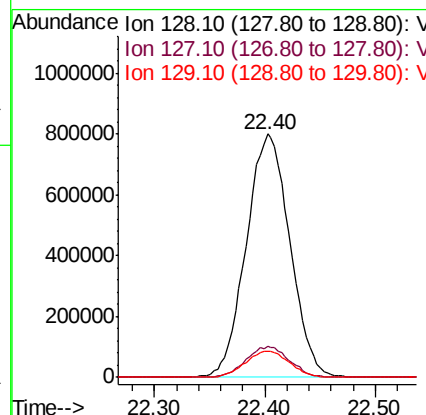
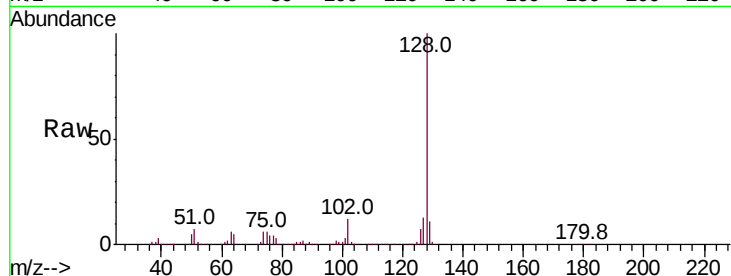
#79
Naphthalene
Concen: 9.271 ppbv
RT: 22.40 min Scan# 6054
Delta R.T. -0.01 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.5	8.9	13.3

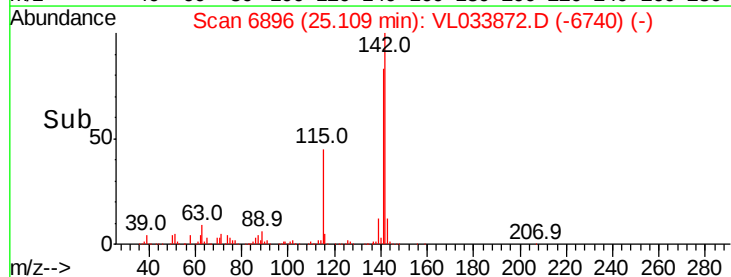
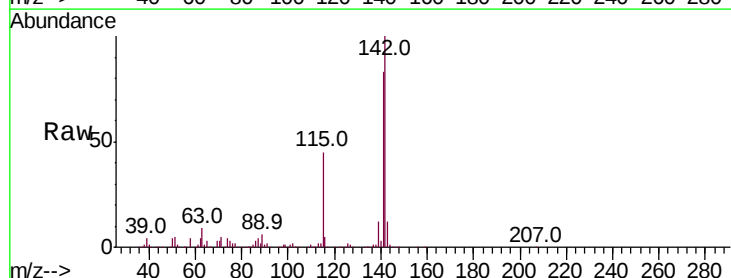
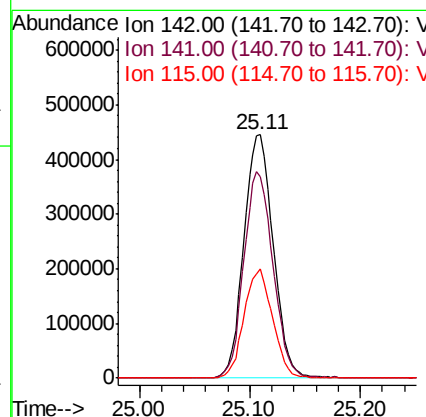
Manual Integrations
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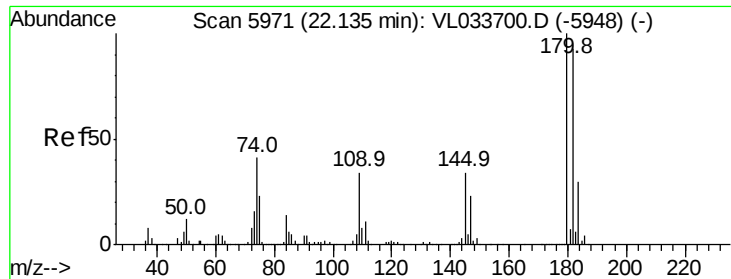
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#80
Naphthalene, 2-methyl-
Concen: 9.178 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. 0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.9	67.2	100.8
115	43.6	34.1	51.1





#81
 1,2,4-Trichlorobenzene
 Concen: 9.390 ppbv
 RT: 22.12 min Scan# 5967
 Delta R.T. -0.01 min
 Lab File: VL033872.D
 Acq: 30 May 2019 16:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.1	114.1
184	30.9	24.6	37.0

Manual Integrations
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