

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051719\
 Data File : VL033701.D
 Acq On : 17 May 2019 2:40
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 12:04:58 PM

Quant Time: May 17 07:56:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 2019
 QLast Update : Fri May 17 07:07:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1144129	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2757053	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2794922	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	2222882	9.70	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	505551	1.933	ppbv	97
3) Chlorodifluoromethane	3.01	51	266249m	1.622	ppbv	
4) Chloromethane	3.17	50	158014	1.850	ppbv	97
5) Vinyl Chloride	3.29	62	151451	1.821	ppbv	100
6) Bromomethane	3.51	94	97153	1.835	ppbv	98
7) Chloroethane	3.60	64	56021	1.851	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	405121	1.849	ppbv	99
9) Propene	3.03	41	117009	1.862	ppbv	98
10) Heptane	8.24	43	322115	2.068	ppbv	98
11) Trichlorofluoromethane	4.00	101	485975	1.930	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	349643	2.059	ppbv	100
13) Ethanol	3.65	45	39784m	2.079	ppbv	
14) Bromoethene	3.79	108	129023	1.969	ppbv	99
15) Acetone	3.90	43	348940	2.037	ppbv	98
16) 1,3-Butadiene	3.36	39	133599	1.859	ppbv	100
17) tert-Butyl alcohol	4.36	59	277637	2.107	ppbv	99
18) 1,1-Dichloroethene	4.35	96	150620	2.060	ppbv	99
19) Isopropyl Alcohol	4.02	45	213815	1.999	ppbv	# 98
20) Methylene Chloride	4.40	84	136486	2.107	ppbv	96
21) Allyl Chloride	4.47	41	218855	2.103	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	154177	2.126	ppbv	99
23) Vinyl Acetate	5.15	43	476530	2.158	ppbv	99
24) 1,1-Dichloroethane	5.08	63	349938	2.098	ppbv	99
25) Ethyl Acetate	5.76	43	589284	2.112	ppbv	100
26) Hexane	5.78	57	256582	2.139	ppbv	97
27) Carbon Disulfide	4.62	76	357661	2.172	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	457197	2.282	ppbv	100
29) Chloroform	5.84	83	443356	2.060	ppbv	94
30) Cyclohexane	7.24	84	210892	2.106	ppbv	86
31) cis-1,2-Dichloroethene	5.63	61	249945	2.120	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	447093	2.019	ppbv	99
34) 2-Butanone	5.33	43	382249	2.161	ppbv	99
35) Carbon Tetrachloride	7.13	117	471667	2.079	ppbv	97
36) Benzene	7.00	78	534913	2.147	ppbv	98
37) 1,2-Dichloroethane	6.41	62	338946	1.952	ppbv	100
38) Trichloroethene	7.96	130	209702	2.307	ppbv	94
39) 1,2-Dichloropropane	7.73	63	192522	2.073	ppbv	93
40) 1,4-Dioxane	7.96	88	81317	2.164	ppbv	# 99
41) Tetrahydrofuran	6.15	42	209753	2.265	ppbv	99
42) Bromodichloromethane	7.91	83	462694	2.073	ppbv	95
43) Methyl Methacrylate	8.13	69	196622	2.103	ppbv	99

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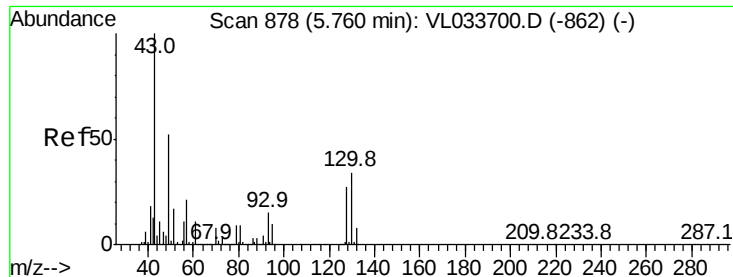
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 2019
 QLast Update : Fri May 17 07:07:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	915005	2.151	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	241386	2.090	ppbv	93
46) cis-1,3-Dichloropropene	8.83	75	289161	2.014	ppbv	93
47) 1,1,2-Trichloroethane	9.61	97	220239	2.065	ppbv	98
48) Dibromochloromethane	10.44	129	376657	2.079	ppbv	99
49) Bromoform	13.20	173	322846	2.083	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	557454	2.078	ppbv	100
51) 2-Hexanone	10.27	43	437135	2.093	ppbv #	98
52) Tetrachloroethene	11.37	164	190569	2.157	ppbv	97
53) Toluene	9.95	91	583064m	2.160	ppbv	
54) 1,2-Dibromoethane	10.75	107	338323	2.101	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.27	131	266880	2.053	ppbv #	1
57) Chlorobenzene	12.30	112	474264	2.047	ppbv	99
58) Ethyl Benzene	12.86	91	793181	2.155	ppbv	99
59) m/p-Xylene	13.15	91	1396290m	4.305	ppbv	
60) o-Xylene	13.84	91	694555	2.122	ppbv	99
61) Styrene	13.68	104	480361	2.198	ppbv	99
62) Isopropylbenzene	14.82	105	934436	2.087	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	495187	2.085	ppbv	98
64) n-propylbenzene	15.72	120	242947m	2.104	ppbv	
65) tert-Butylbenzene	16.90	119	893237	2.175	ppbv	98
66) Benzyl Chloride	17.15	91	396458	2.109	ppbv	100
67) sec-Butylbenzene	17.45	105	1233855	2.158	ppbv	99
69) p-Isopropyltoluene	17.81	119	1036328	2.198	ppbv	99
70) n-Butylbenzene	18.71	91	1103968	2.216	ppbv	99
71) 2-Chlorotoluene	15.61	91	711362	2.153	ppbv	100
72) 4-Ethyltoluene	16.00	105	803125	2.090	ppbv	99
73) 1,3,5-Trimethylbenzene	16.15	105	785424	2.116	ppbv	97
74) 1,2,4-Trimethylbenzene	16.92	105	851815	2.059	ppbv	95
75) 1,3-Dichlorobenzene	17.16	146	518331	2.081	ppbv	99
76) 1,4-Dichlorobenzene	17.30	146	491316	2.079	ppbv	98
77) 1,2-Dichlorobenzene	17.98	146	487518	2.109	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	366482	1.999	ppbv	100
79) Naphthalene	22.41	128	811919	2.148	ppbv	96
80) Naphthalene, 2-methyl-	25.11	142	303145	2.100	ppbv	98
81) 1,2,4-Trichlorobenzene	22.13	180	471848	2.146	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.00 min

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MSVOA_L

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VSTDIC002

Tot Ion: 49 Resp: 1144129

Ion Ratio Lower Upper

49 100

128 50.3 25.2 75.6

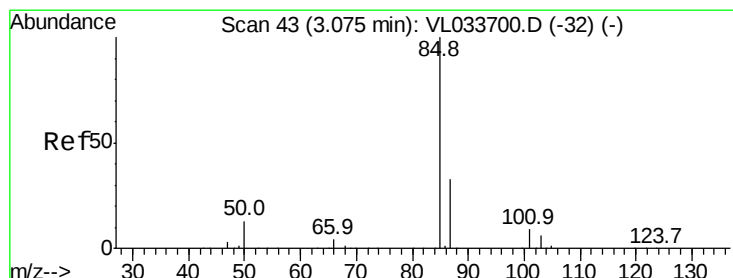
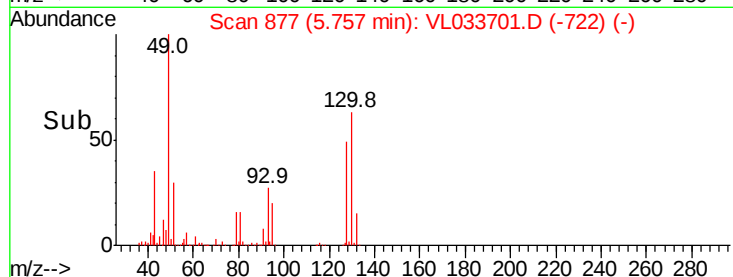
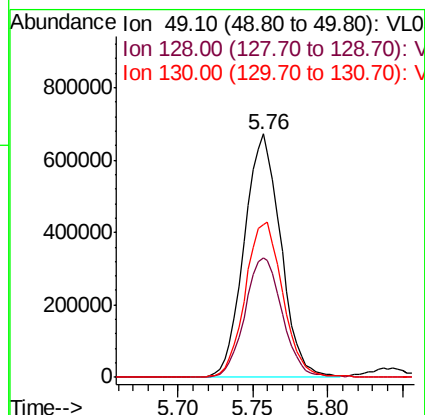
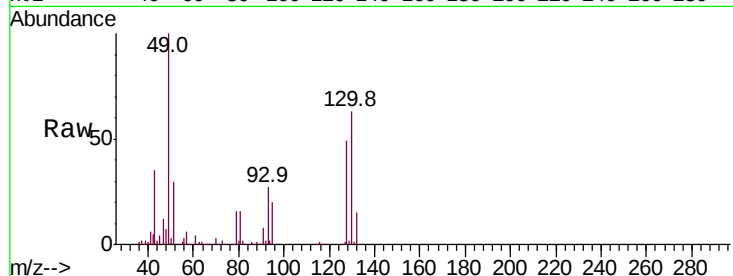
130 65.6 32.5 97.5

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#2

Dichlorodifluoromethane

Concen: 1.933 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.00 min

Lab File: VL033701.D

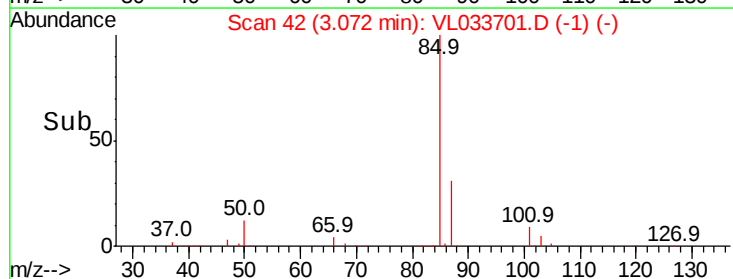
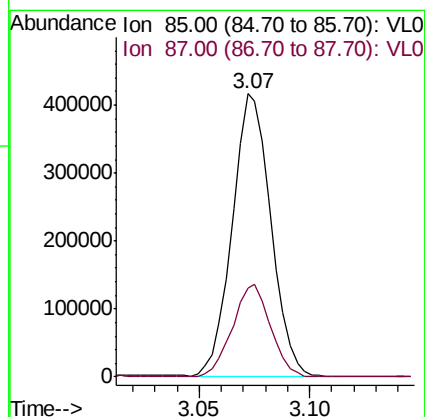
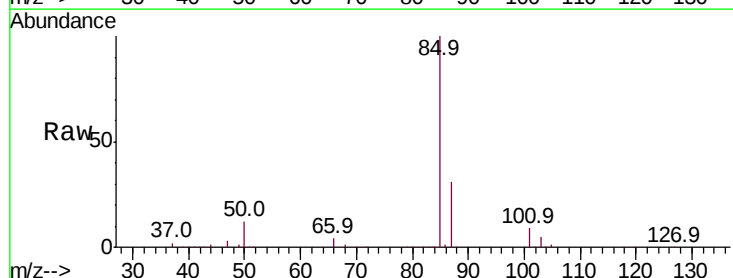
Acq: 17 May 2019 2:40

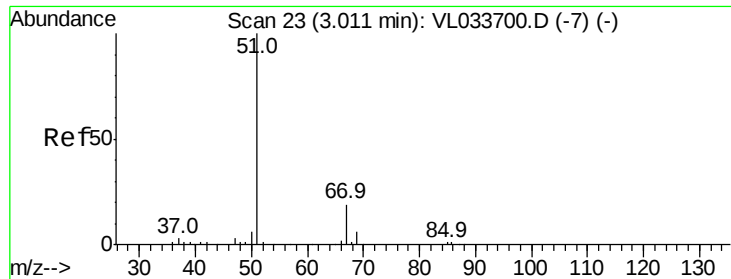
Tgt Ion: 85 Resp: 505551

Ion Ratio Lower Upper

85 100

87 31.2 26.3 39.5





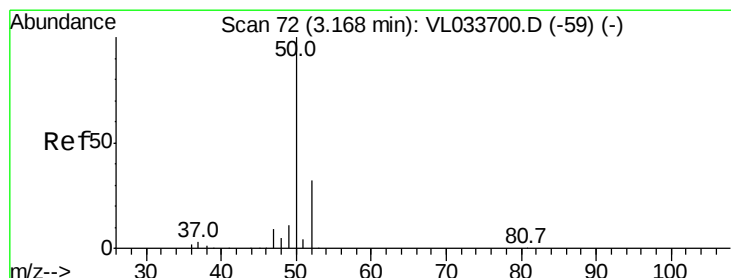
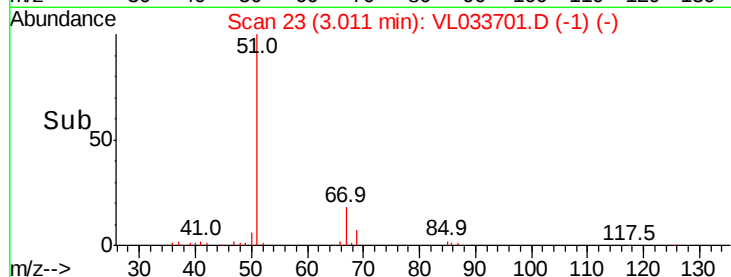
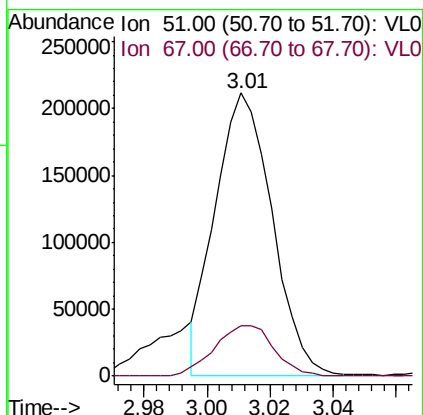
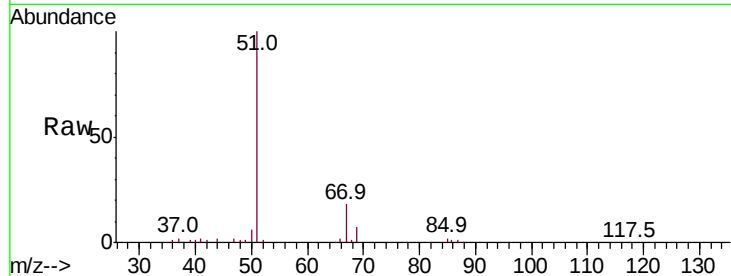
#3
Chlorodifluoromethane
Concen: 1.622 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	51	Resp	266249
Ion Ratio	Lower	Upper	
51	100		
67	19.1	15.6	23.4

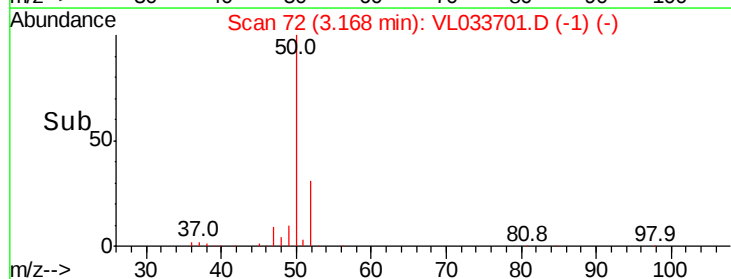
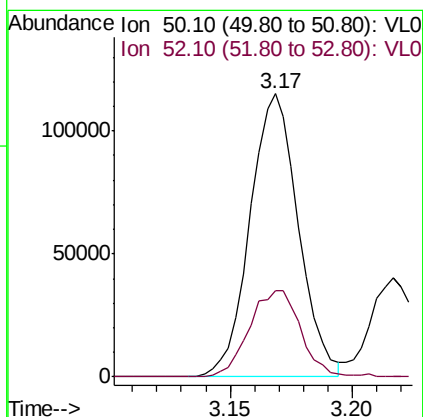
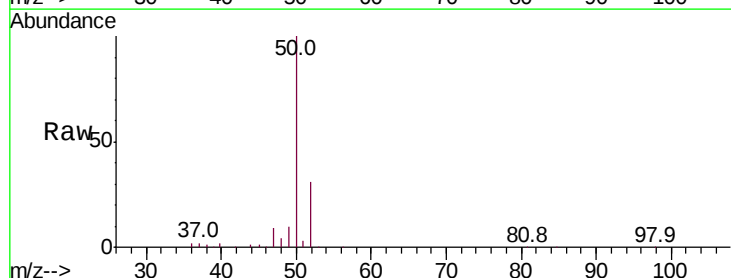
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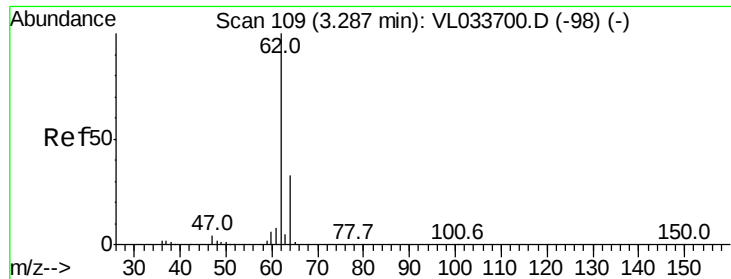
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#4
Chloromethane
Concen: 1.850 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion	50	Resp	158014
Ion Ratio	Lower	Upper	
50	100		
52	30.7	25.7	38.5





#5

Vinyl Chloride

Concen: 1.821 ppbv

RT: 3.29 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL033701.D

Acq: 17 May 2019 2:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 151451

Ion Ratio Lower Upper

62 100

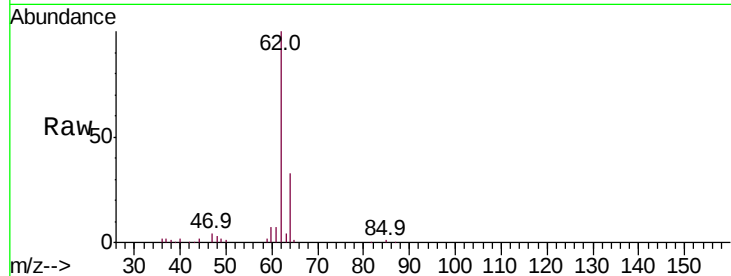
64 33.1 26.4 39.6

Manual Integrations

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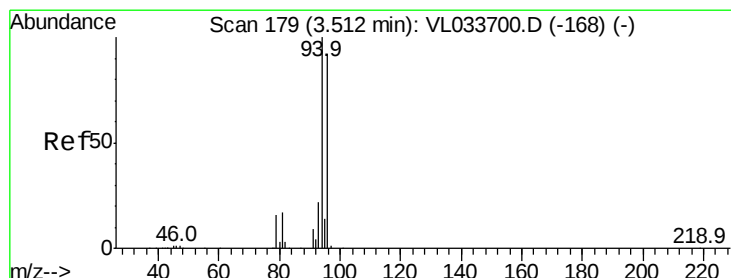
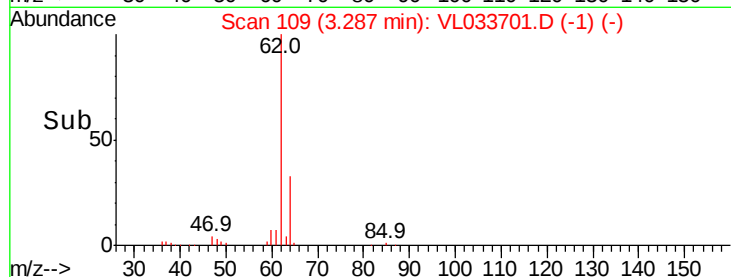
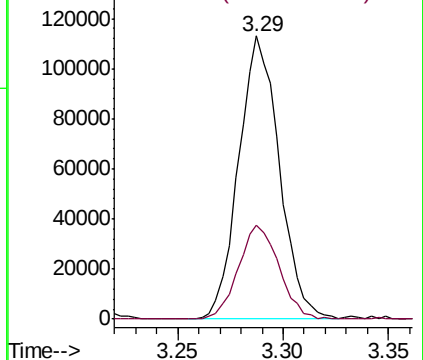
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 1.835 ppbv

RT: 3.51 min Scan# 179

Delta R.T. 0.00 min

Lab File: VL033701.D

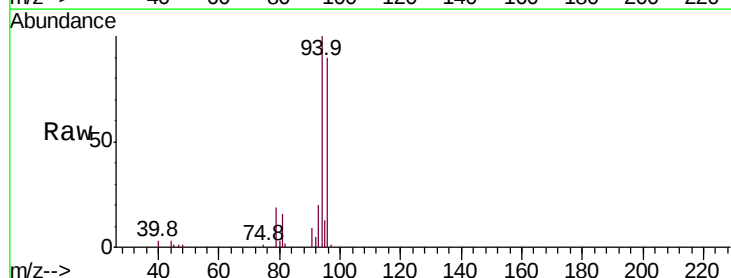
Acq: 17 May 2019 2:40

Tgt Ion: 94 Resp: 97153

Ion Ratio Lower Upper

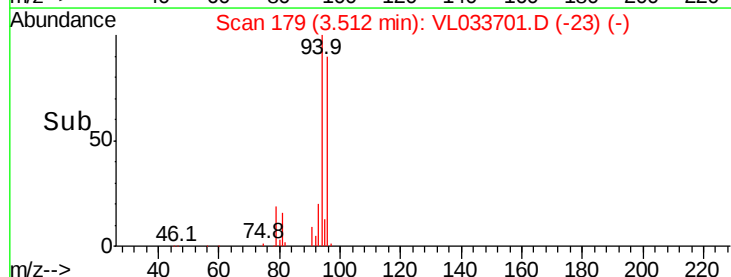
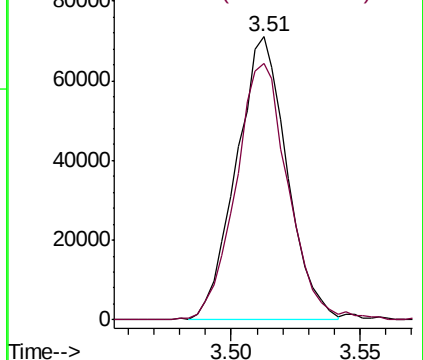
94 100

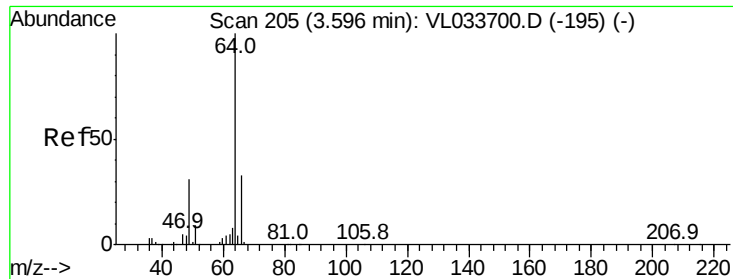
96 90.0 73.6 110.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.851 ppbv

RT: 3.60 min Scan# 206

Delta R.T. 0.00 min

Lab File: VL033701.D

Acq: 17 May 2019 2:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 56021

Ion Ratio Lower Upper

64 100

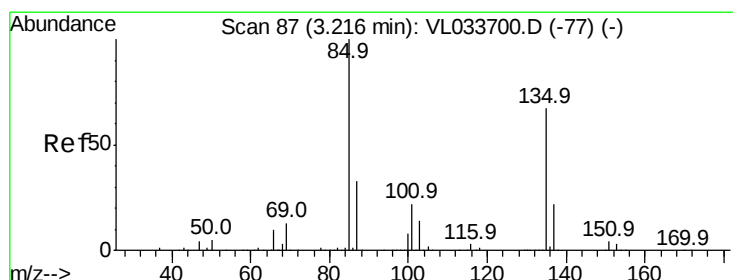
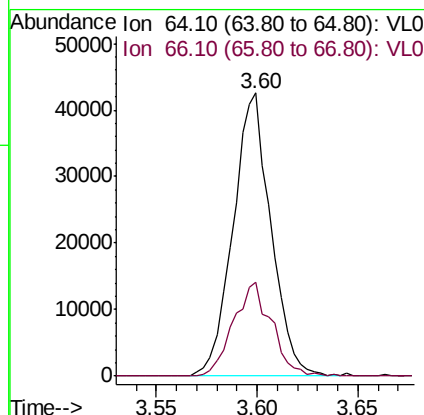
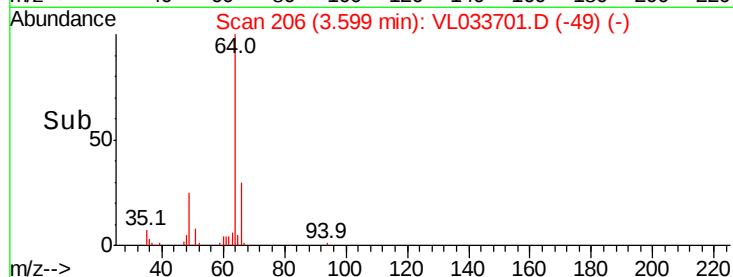
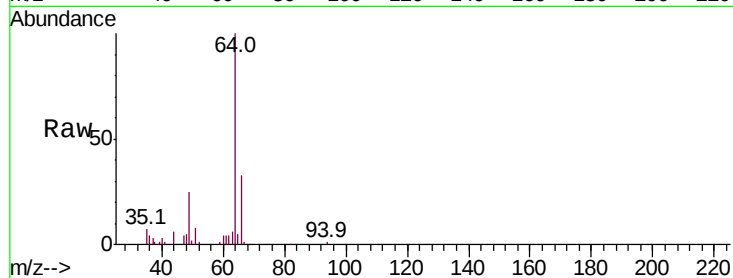
66 33.2 26.6 40.0

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#8

Dichlorotetrafluoroethane

Concen: 1.849 ppbv

RT: 3.22 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL033701.D

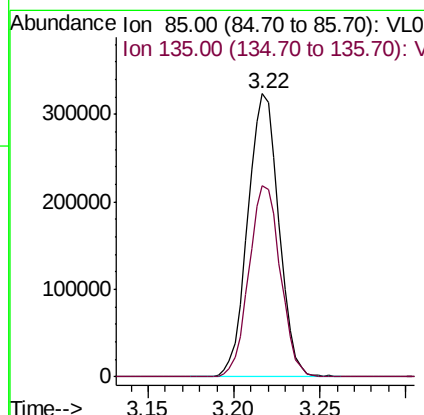
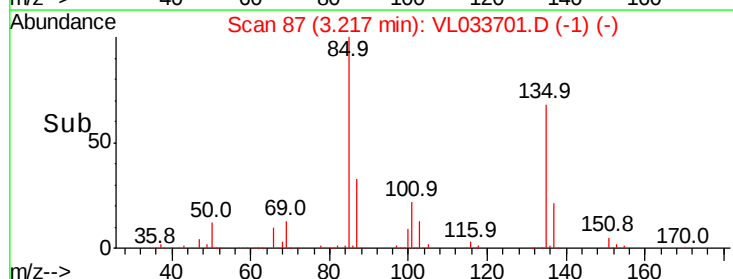
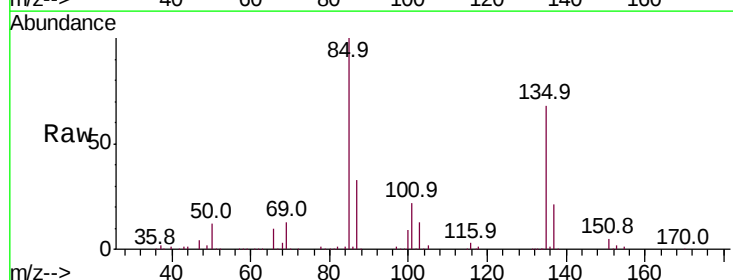
Acq: 17 May 2019 2:40

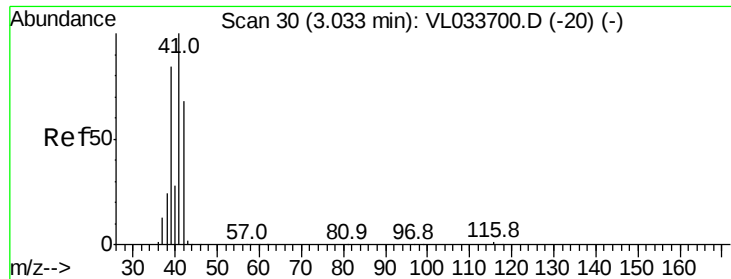
Tgt Ion: 85 Resp: 405121

Ion Ratio Lower Upper

85 100

135 68.5 54.5 81.7





#9

Propene

Concen: 1.862 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033701.D

Acq: 17 May 2019 2:40

Instrument :

MSVOA_L

ClientSampled :

VSTDIC002

Tot Ion: 41 Resp: 117009

Ion Ratio Lower Upper

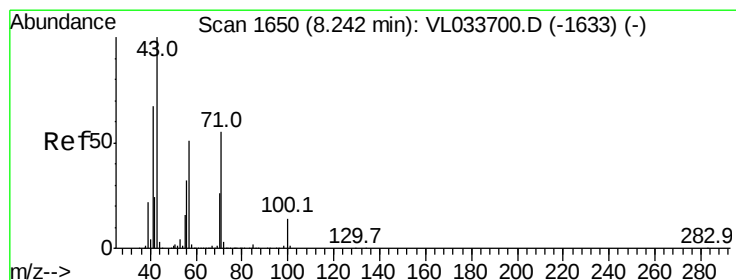
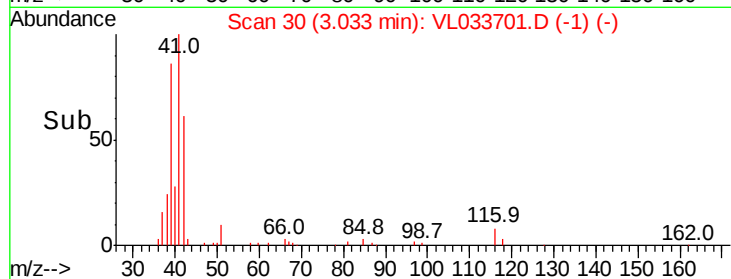
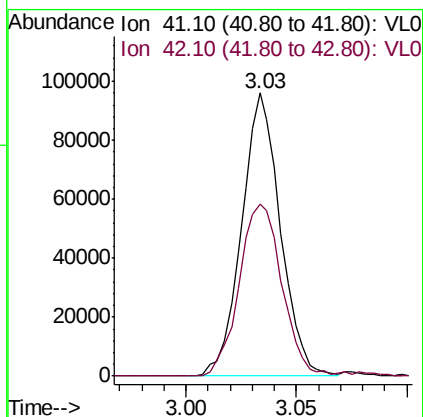
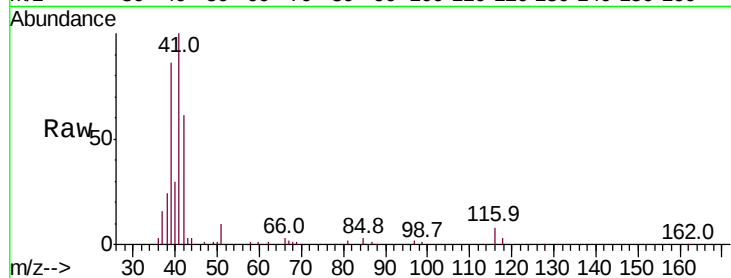
41 100

42 68.7 56.1 84.1

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#10

Heptane

Concen: 2.068 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VL033701.D

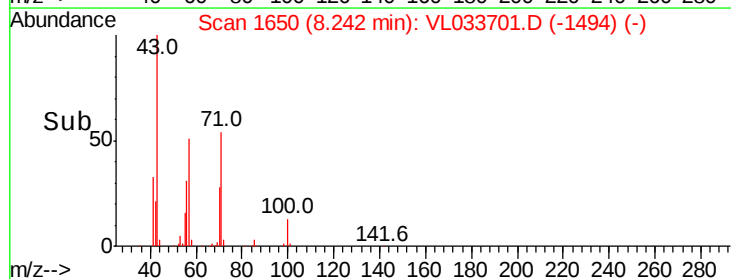
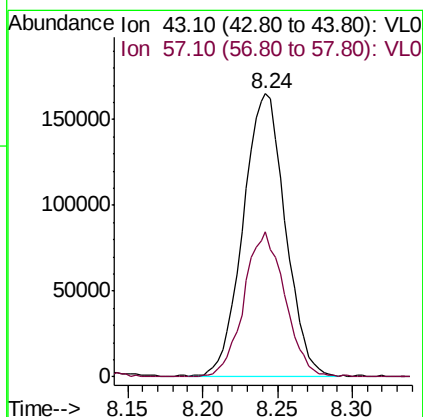
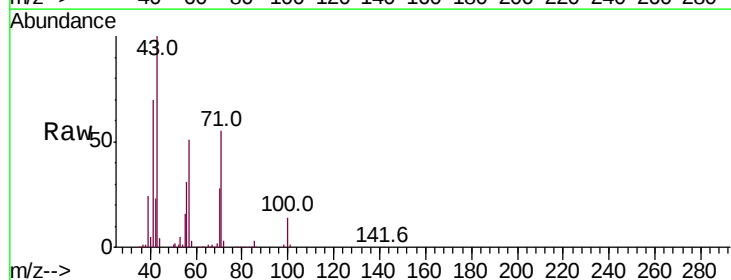
Acq: 17 May 2019 2:40

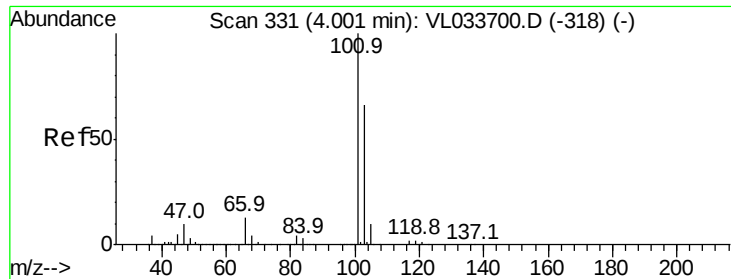
Tgt Ion: 43 Resp: 322115

Ion Ratio Lower Upper

43 100

57 50.1 41.4 62.0





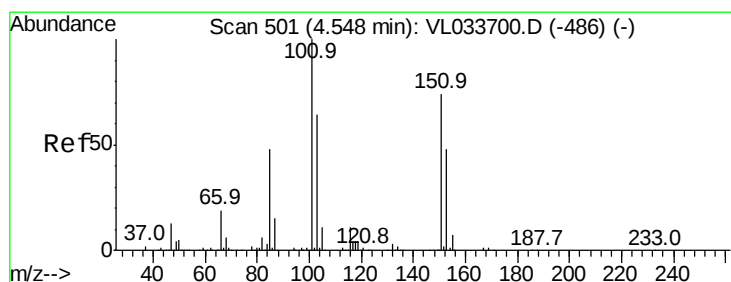
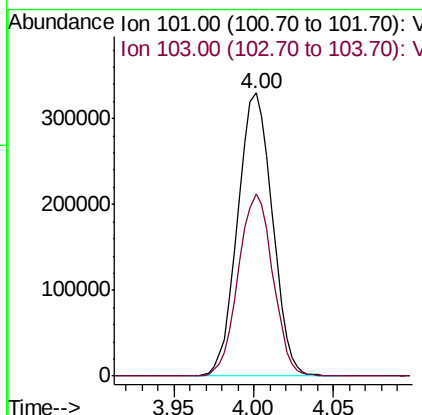
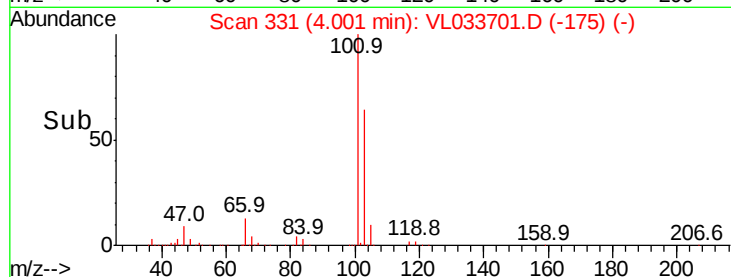
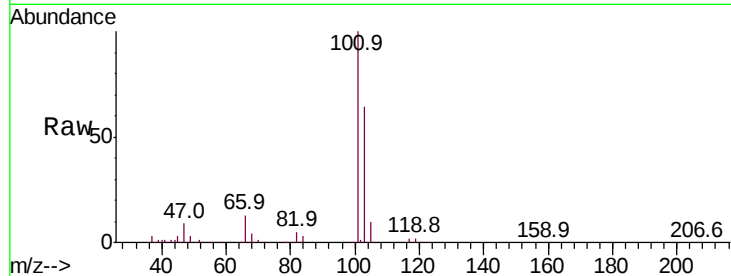
#11
 Trichlorofluoromethane
 Concen: 1.930 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. 0.00 min
 Lab File: VL033701.D
 Acq: 17 May 2019 2:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.6	78.8

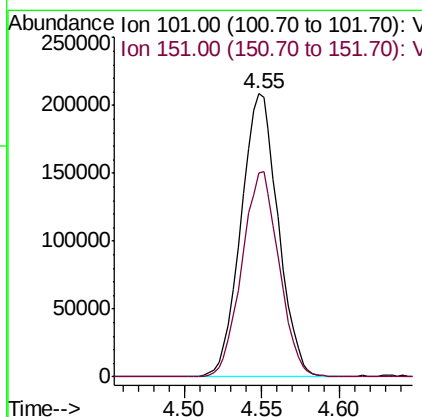
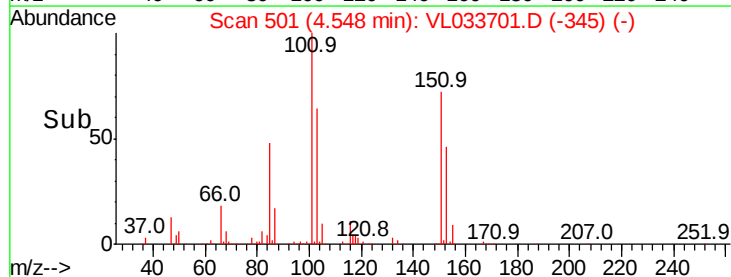
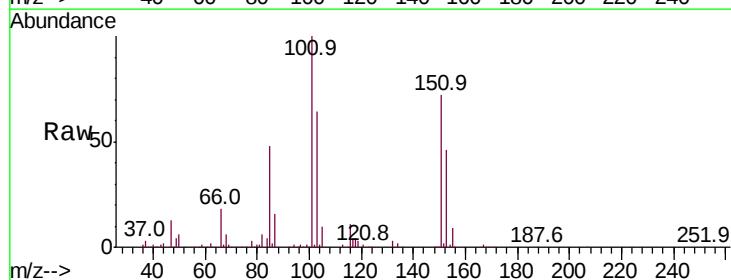
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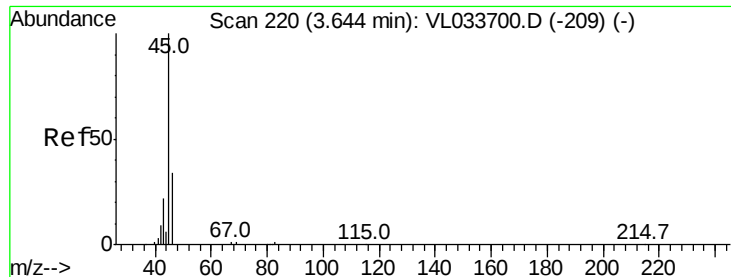
MMDadoda
 5/20/2019 12:04:58 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.059 ppbv
 RT: 4.55 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VL033701.D
 Acq: 17 May 2019 2:40

Tgt Ion	Ratio	Lower	Upper
101	100		
151	72.4	58.2	87.4





#13

Ethanol

Concen: 2.079 ppbv m

RT: 3.65 min Scan# 223

Delta R.T. 0.01 min

Lab File: VL033701.D

Acq: 17 May 2019 2:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 39784

Ion Ratio Lower Upper

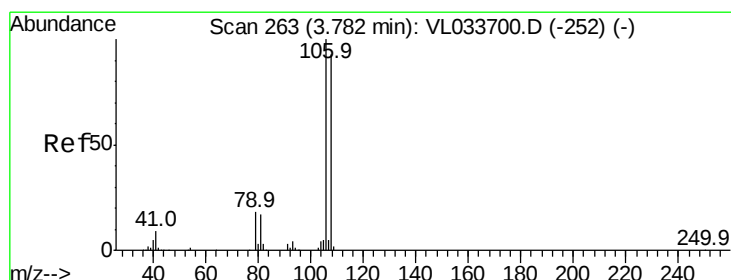
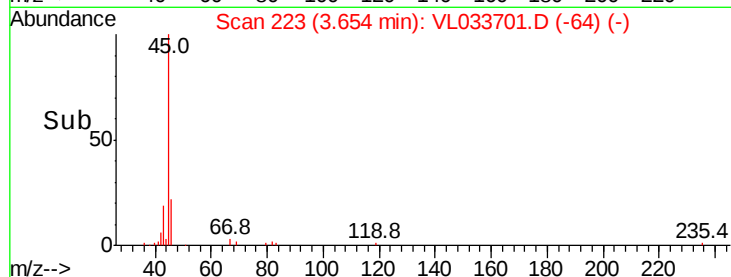
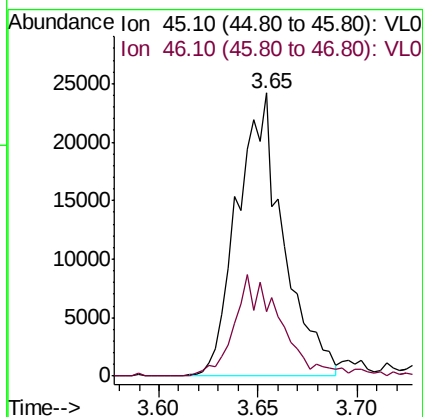
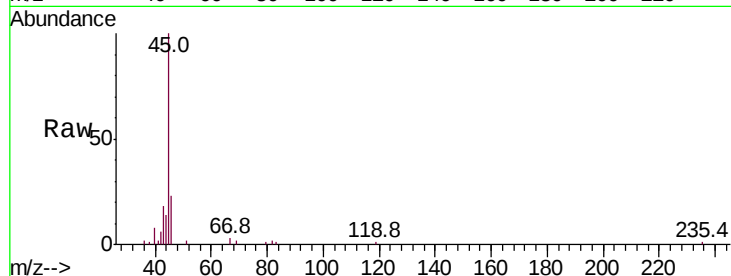
45 100

46 37.0 14.8 59.0

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#14

Bromoethene

Concen: 1.969 ppbv

RT: 3.79 min Scan# 264

Delta R.T. 0.00 min

Lab File: VL033701.D

Acq: 17 May 2019 2:40

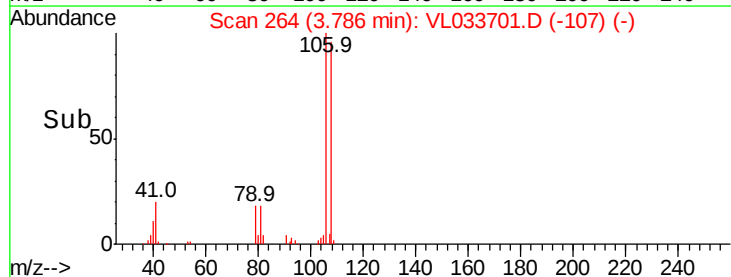
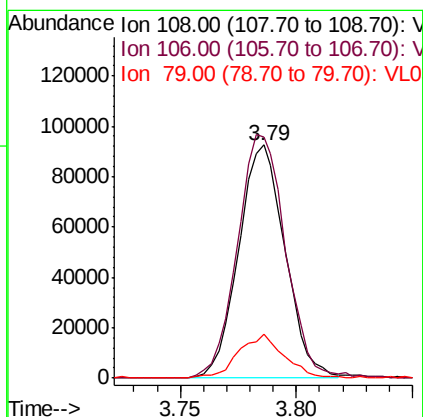
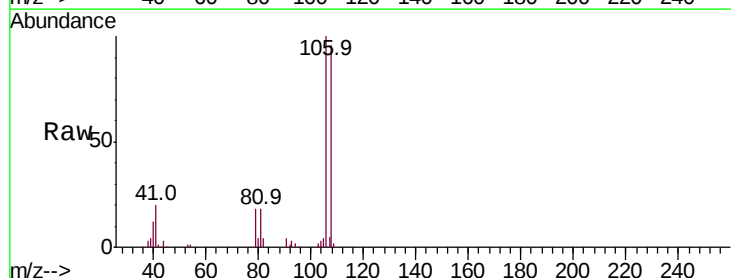
Tgt Ion: 108 Resp: 129023

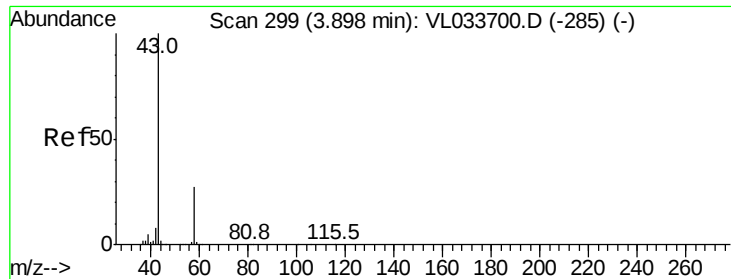
Ion Ratio Lower Upper

108 100

106 108.9 86.5 129.7

79 18.9 15.1 22.7





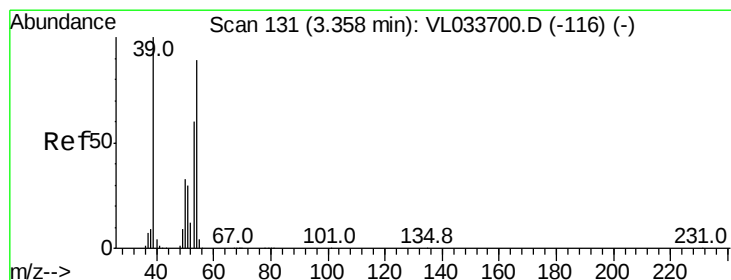
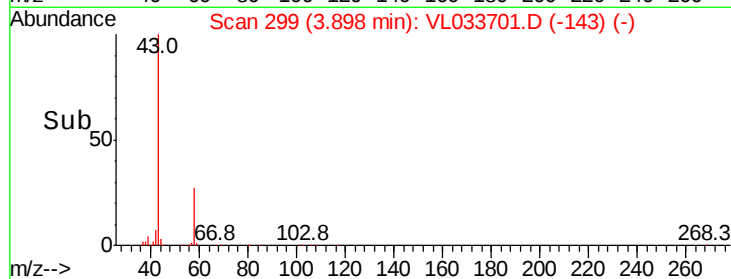
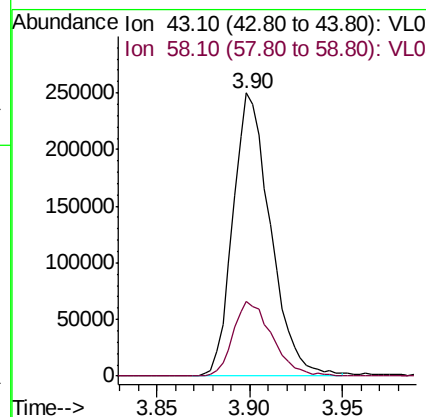
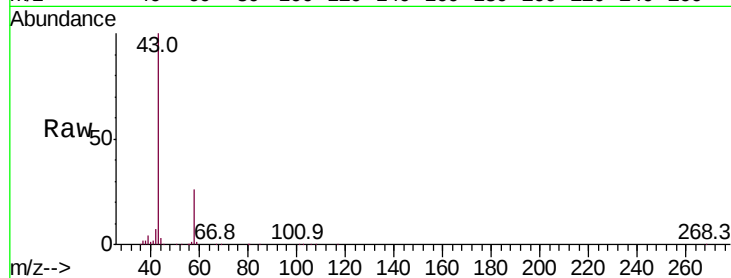
#15
Acetone
Concen: 2.037 ppbv
RT: 3.90 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampled :
VSTDICC002

Tot Ion	43	58	Ratio	100	27.6	Resp	Lower	Upper
43	100							
58		27.6				21.3		31.9

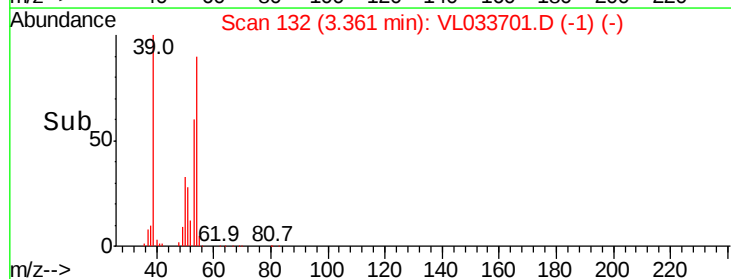
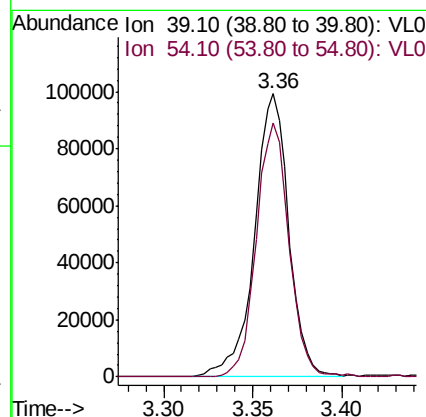
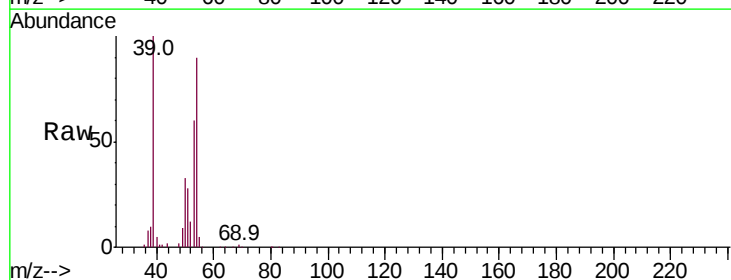
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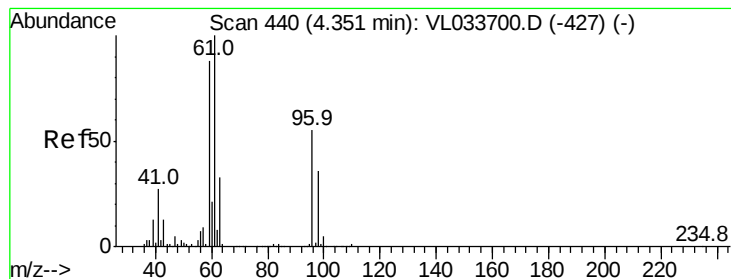
MMDadoda
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#16
1,3-Butadiene
Concen: 1.859 ppbv
RT: 3.36 min Scan# 132
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion	39	54	Ratio	100	85.9	Resp	Lower	Upper
39	100							
54		85.9				69.0		103.6





#17

tert-Butyl alcohol

Concen: 2.107 ppbv

RT: 4.36 min Scan# 442

Delta R.T. 0.01 min

Lab File: VL033701.D

Acq: 17 May 2019 2:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 59 Resp: 277637

Ion Ratio Lower Upper

59 100

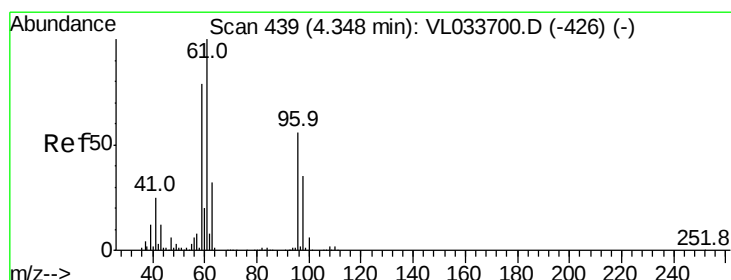
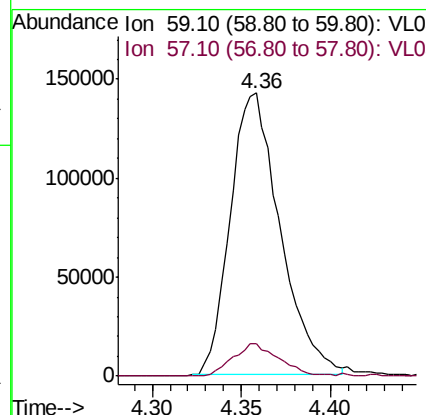
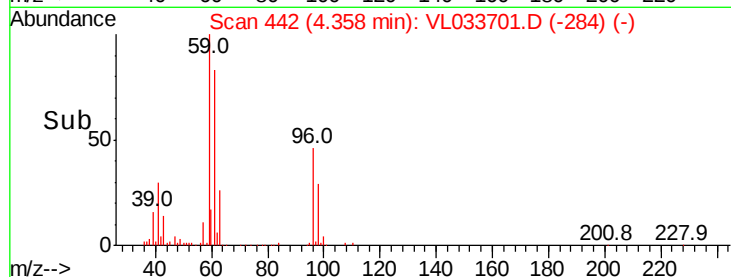
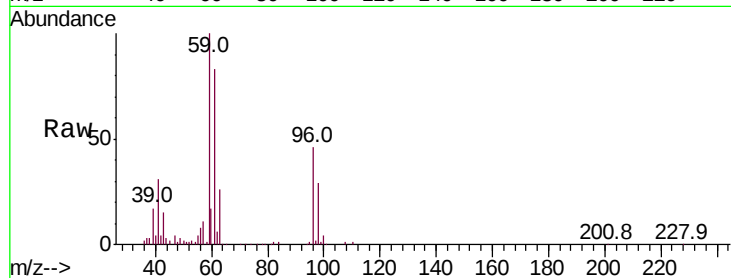
57 11.0 8.4 12.6

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#18

1,1-Dichloroethene

Concen: 2.060 ppbv

RT: 4.35 min Scan# 440

Delta R.T. 0.00 min

Lab File: VL033701.D

Acq: 17 May 2019 2:40

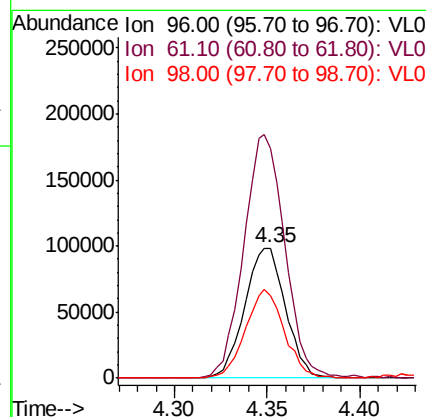
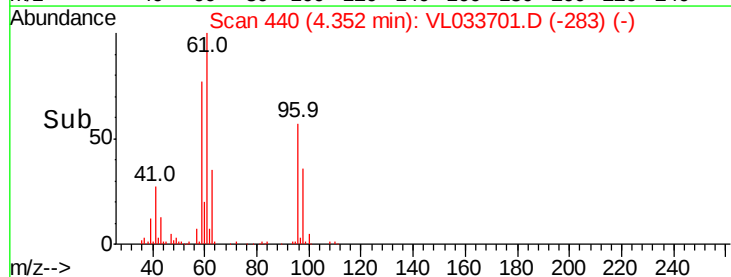
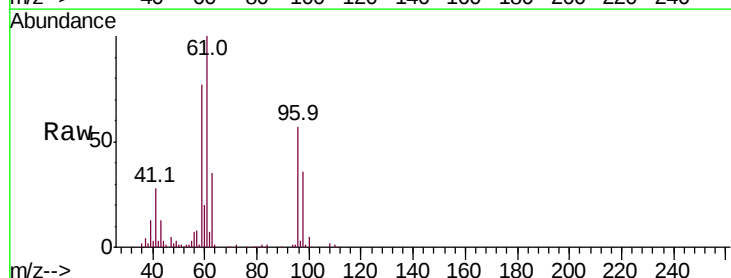
Tgt Ion: 96 Resp: 150620

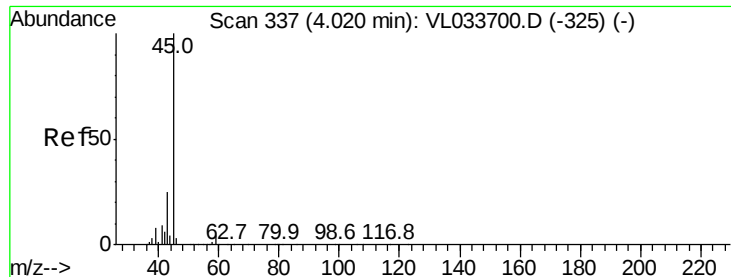
Ion Ratio Lower Upper

96 100

61 176.9 143.1 214.7

98 62.8 49.5 74.3





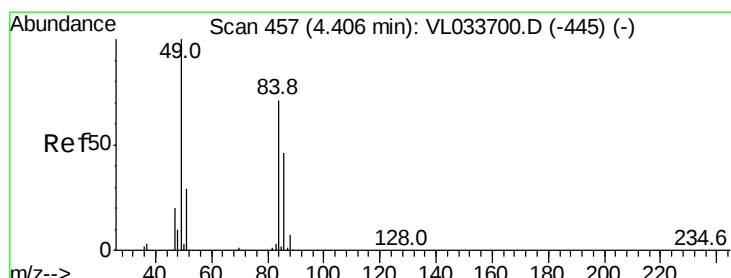
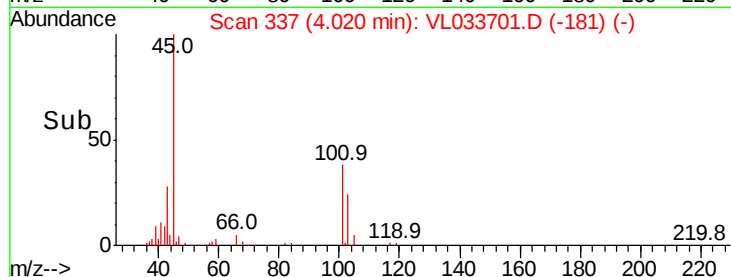
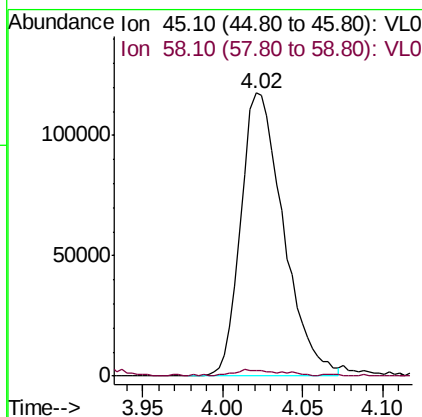
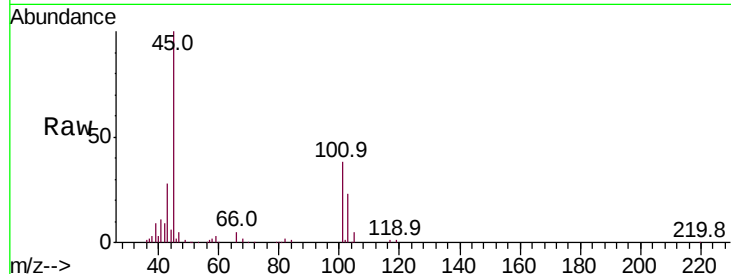
#19
Isopropyl Alcohol
Concen: 1.999 ppbv
RT: 4.02 min Scan# 337
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampled :
VSTDIC002

Tot Ion: 45 Resp: 213815
Ion Ratio Lower Upper
45 100
58 2.7 1.6 2.4#

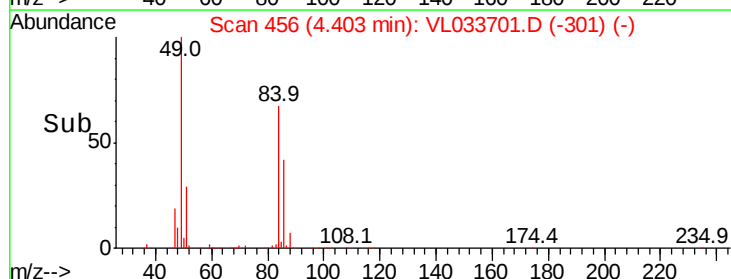
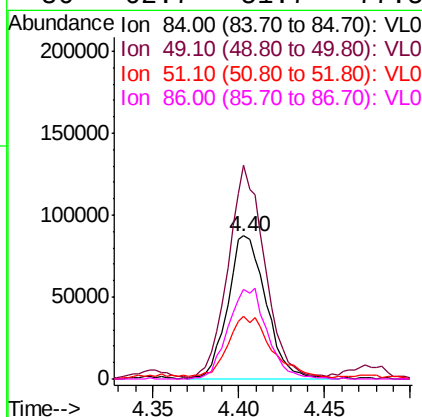
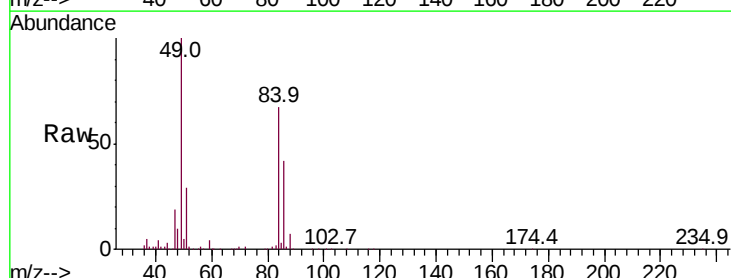
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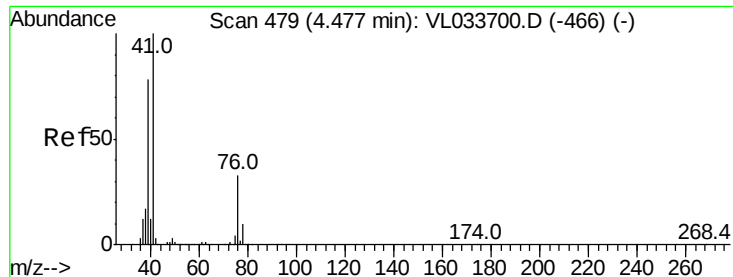
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#20
Methylene Chloride
Concen: 2.107 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 84 Resp: 136486
Ion Ratio Lower Upper
84 100
49 148.3 112.8 169.2
51 42.5 33.4 50.0
86 62.7 51.7 77.5





#21

Allvl Chloride

Concen: 2.103 ppbv

RT: 4.47 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL033701.D

Acq: 17 May 2019 2:40

Instrument :

MSVOA_L

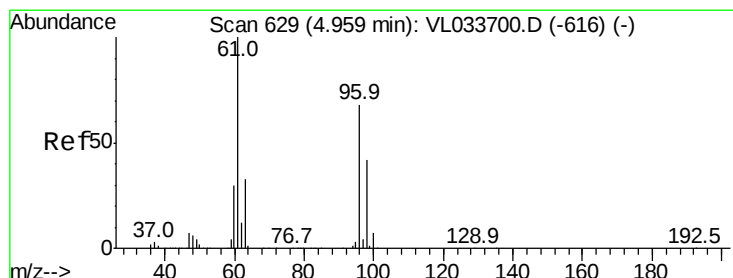
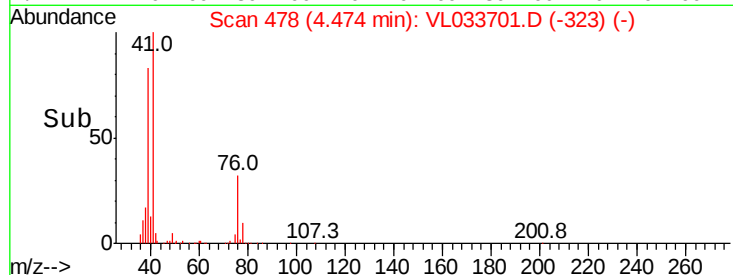
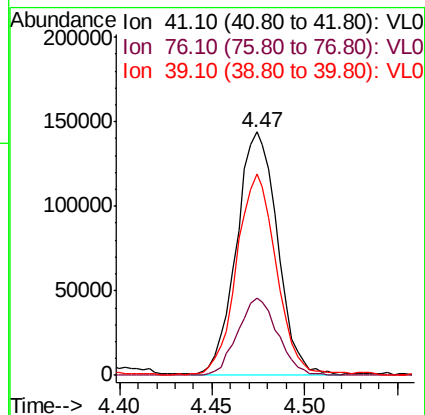
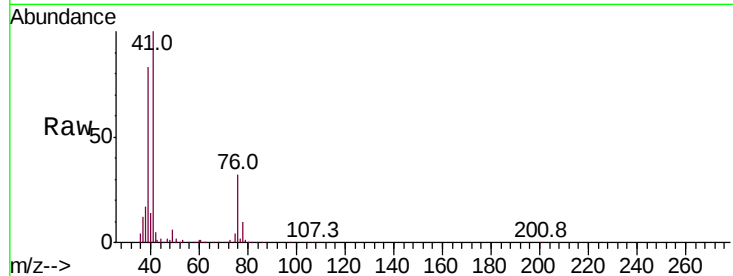
ClientSampleId :

VSTDIC002

Tot Ion:	41	Resp:	218855
Ion Ratio	Lower	Upper	
41	100		
76	31.6	25.9	38.9
39	81.4	64.6	97.0

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#22

trans-1,2-Dichloroethene

Concen: 2.126 ppbv

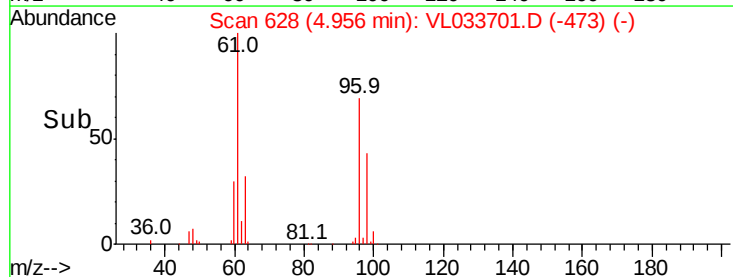
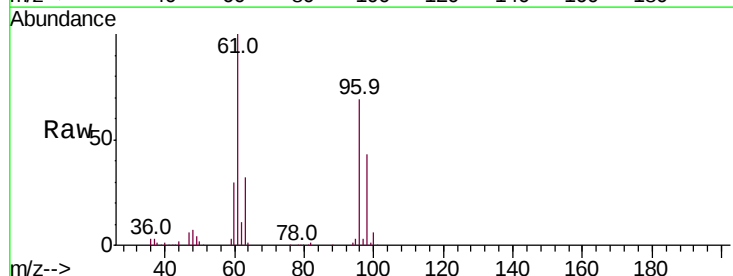
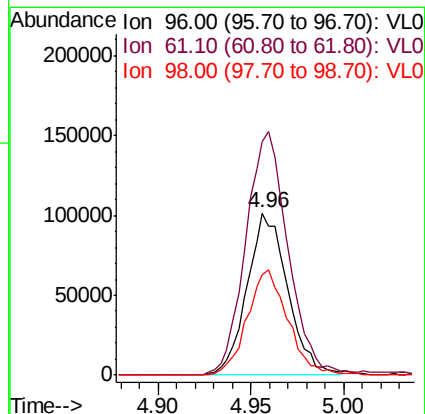
RT: 4.96 min Scan# 628

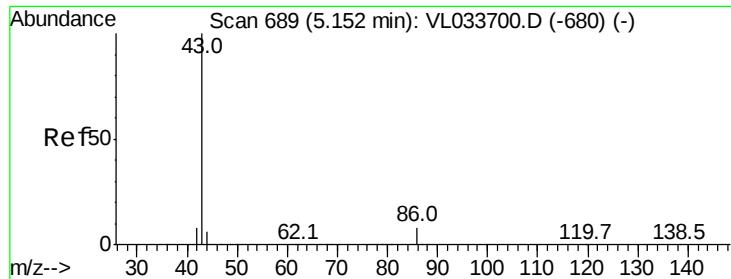
Delta R.T. -0.00 min

Lab File: VL033701.D

Acq: 17 May 2019 2:40

Tgt Ion:	96	Resp:	154177
Ion Ratio	Lower	Upper	
96	100		
61	144.1	116.8	175.2
98	61.6	49.4	74.0





#23

Vinyl Acetate

Concen: 2.158 ppbv

RT: 5.15 min Scan# 688

Delta R.T. -0.00 min

Lab File: VL033701.D

Acq: 17 May 2019 2:40

Instrument :

MSVOA_L

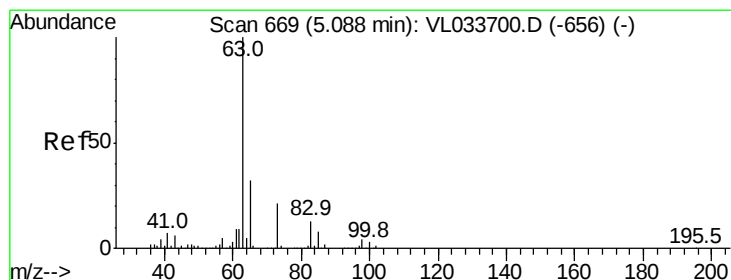
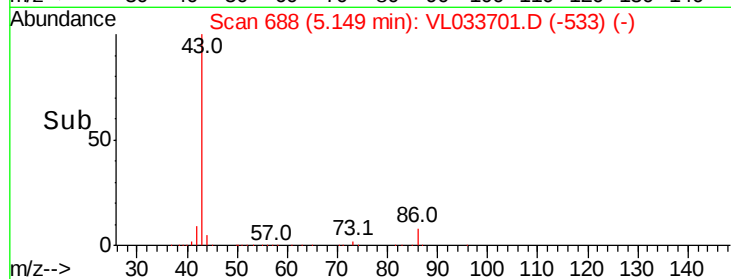
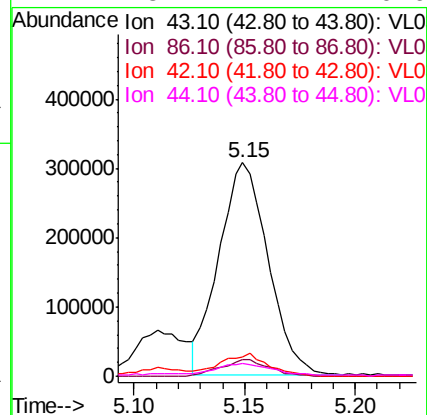
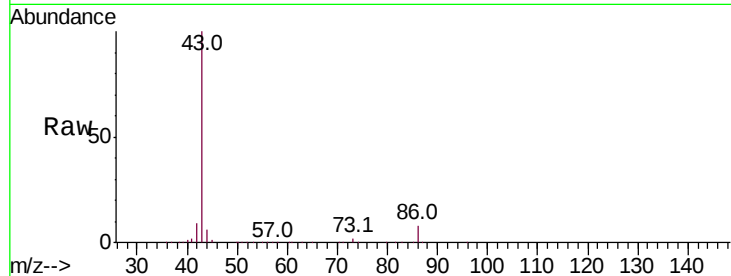
ClientSampleId :

VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
43	100	476530		
86	7.8		6.0	9.0
42	9.1		7.5	11.3
44	5.7		4.4	6.6

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#24

1,1-Dichloroethane

Concen: 2.098 ppbv

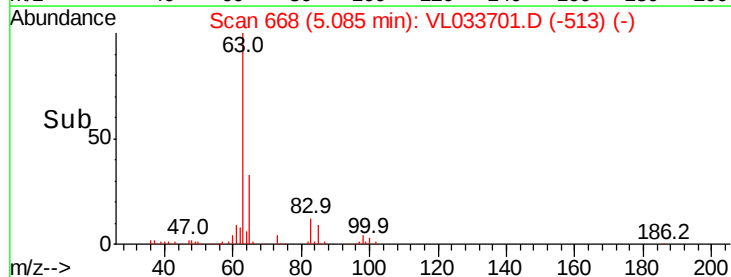
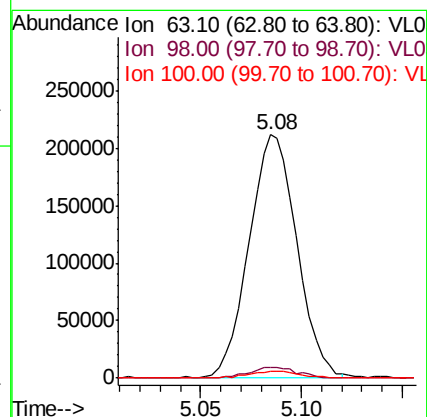
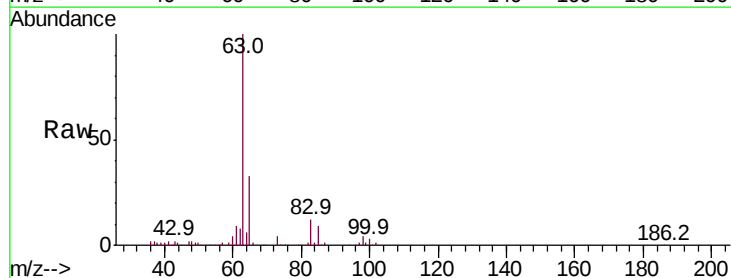
RT: 5.08 min Scan# 668

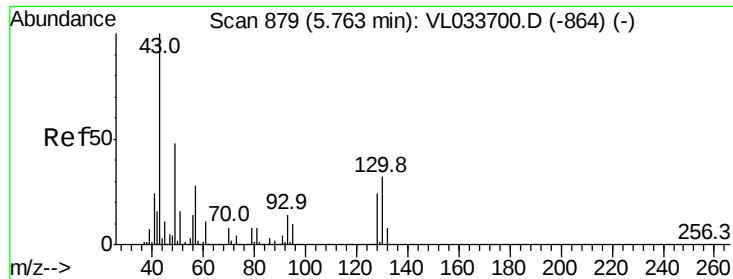
Delta R.T. -0.00 min

Lab File: VL033701.D

Acq: 17 May 2019 2:40

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	349938		
98	4.3		1.8	5.5
100	2.9		1.4	4.2





#25

Ethyl Acetate

Concen: 2.112 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

Lab File: VL033701.D

Acq: 17 May 2019 2:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 589284

Ion Ratio Lower Upper

43 100

45 9.8 7.9 11.9

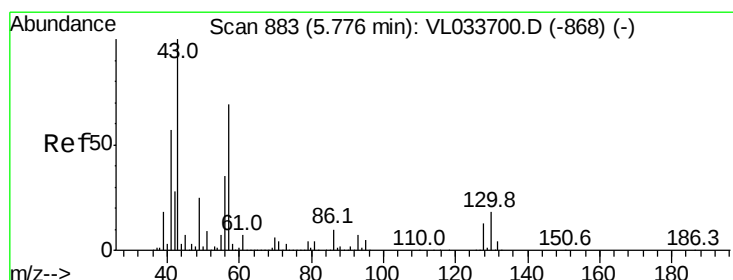
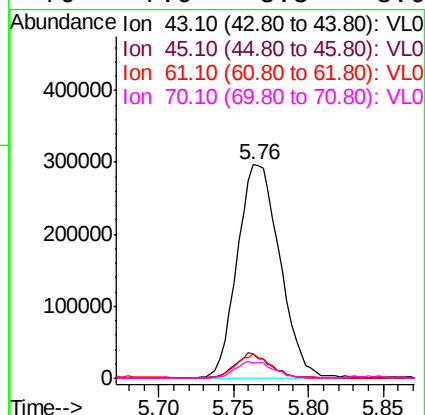
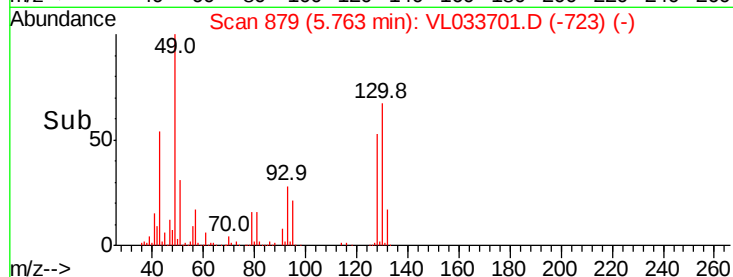
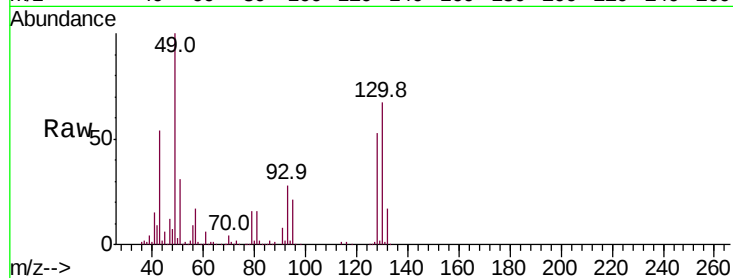
61 9.6 7.7 11.5

70 7.0 5.8 8.6

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#26

Hexane

Concen: 2.139 ppbv

RT: 5.78 min Scan# 883

Delta R.T. 0.00 min

Lab File: VL033701.D

Acq: 17 May 2019 2:40

Tgt Ion: 57 Resp: 256582

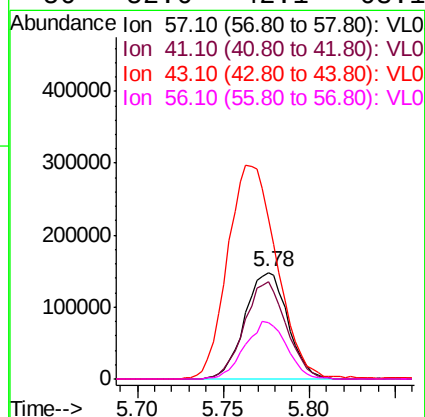
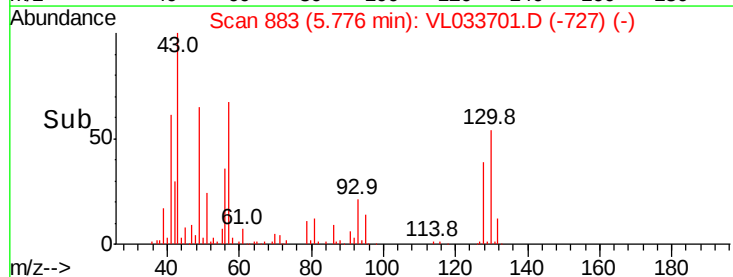
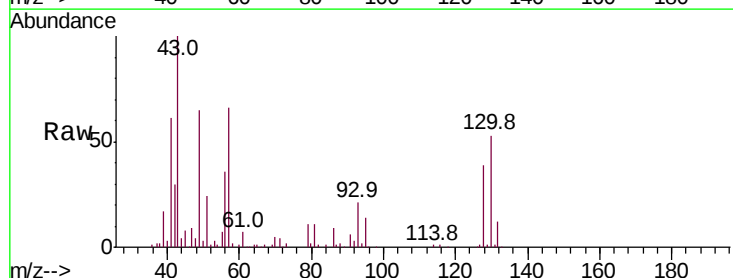
Ion Ratio Lower Upper

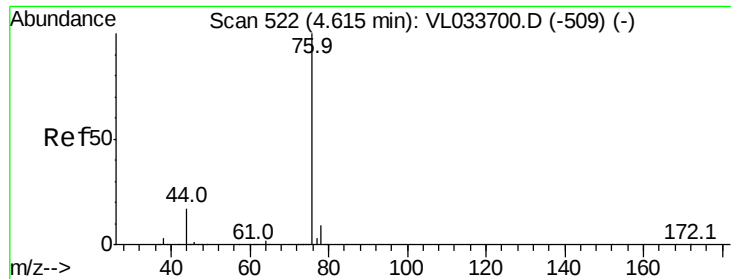
57 100

41 90.2 69.8 104.6

43 232.6 181.8 272.6

56 52.6 42.1 63.1





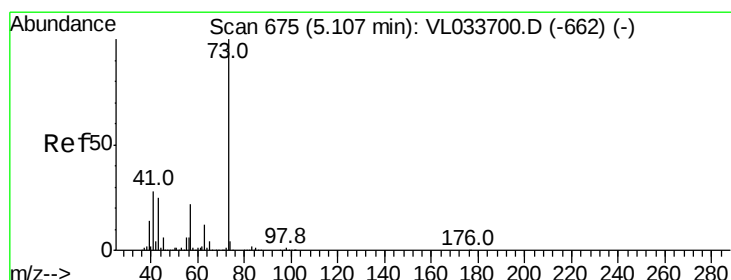
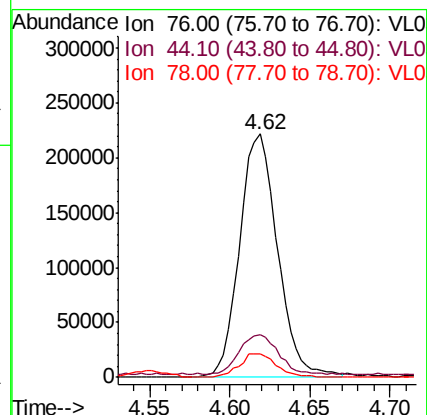
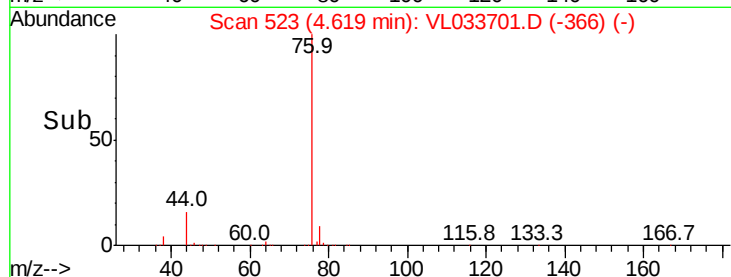
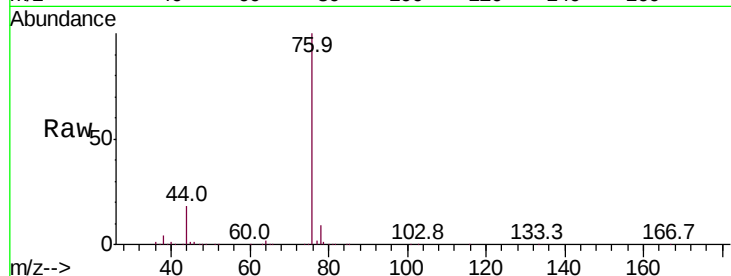
#27
Carbon Disulfide
Concen: 2.172 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
76	100		
44	17.1	13.8	20.8
78	9.8	7.4	11.0

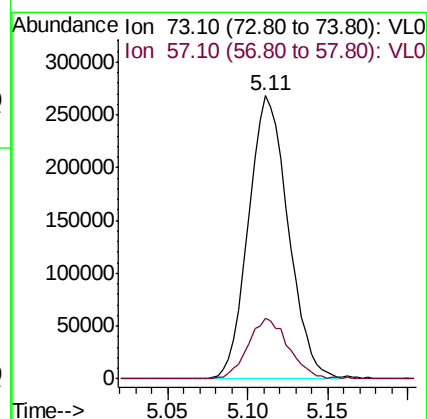
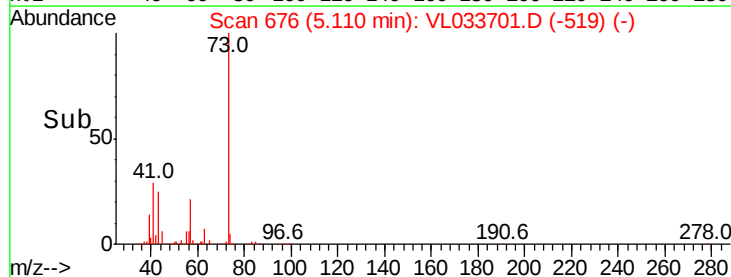
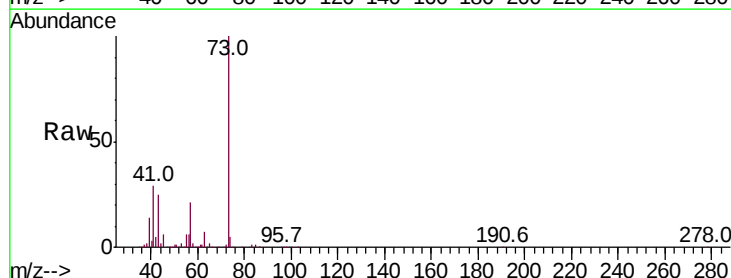
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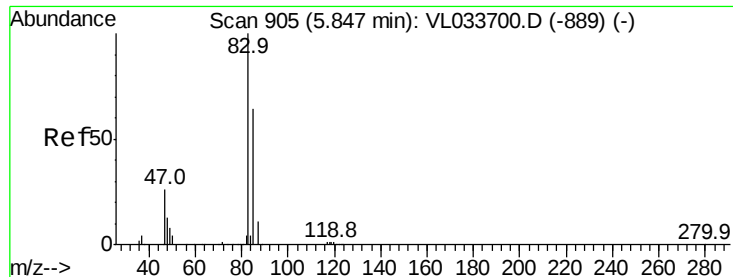
MMDadoda
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#28
Methyl tert-Butyl Ether
Concen: 2.282 ppbv
RT: 5.11 min Scan# 676
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2





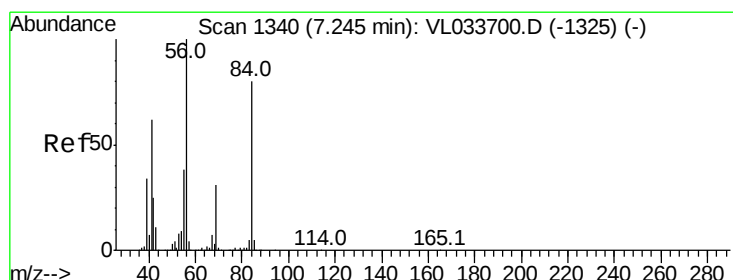
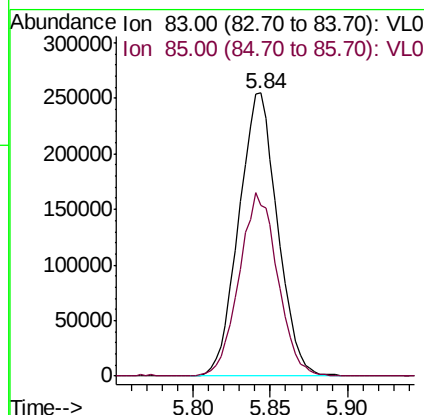
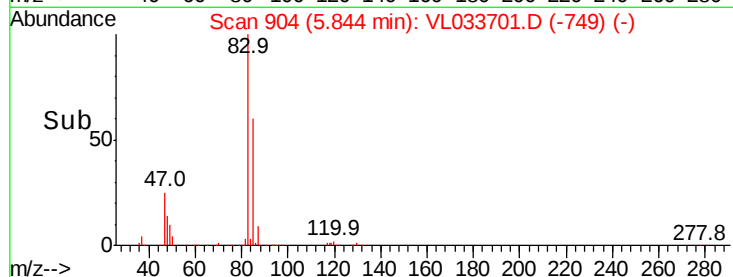
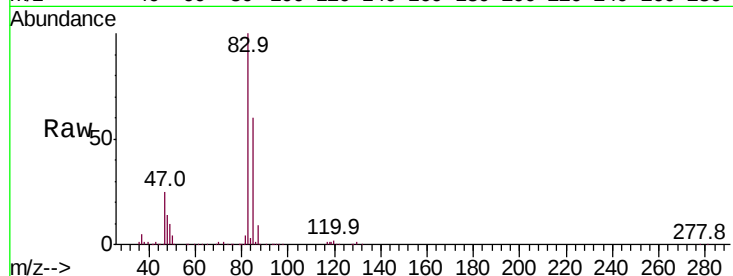
#29
Chloroform
Concen: 2.060 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 83 Resp: 443356
Ion Ratio Lower Upper
83 100
85 60.1 51.5 77.3

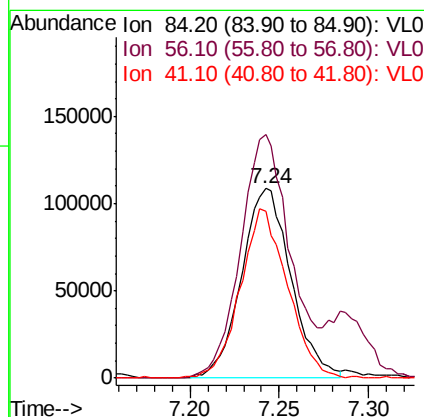
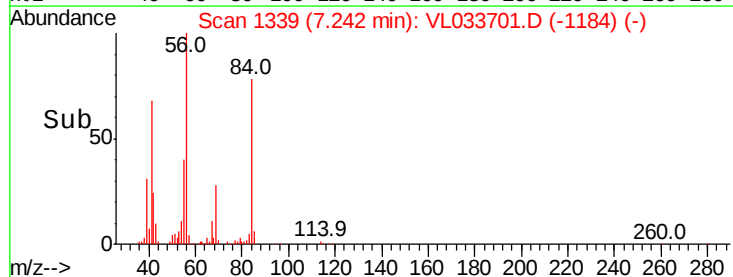
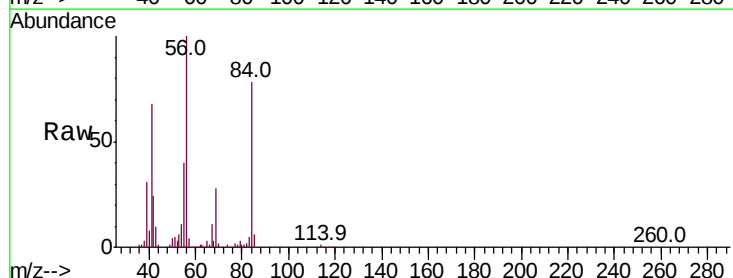
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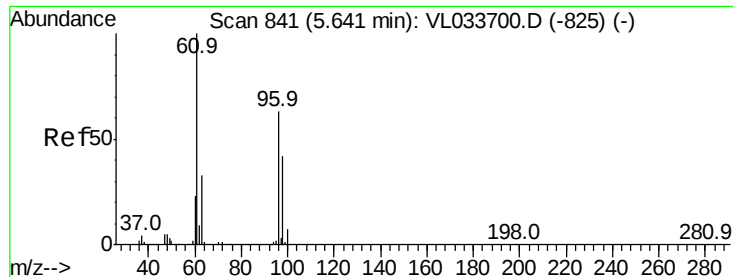
MMDadoda
5/20/2019 12:04:58 PM



#30
Cyclohexane
Concen: 2.106 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 84 Resp: 210892
Ion Ratio Lower Upper
84 100
56 158.8 107.7 161.5
41 85.4 66.0 99.0





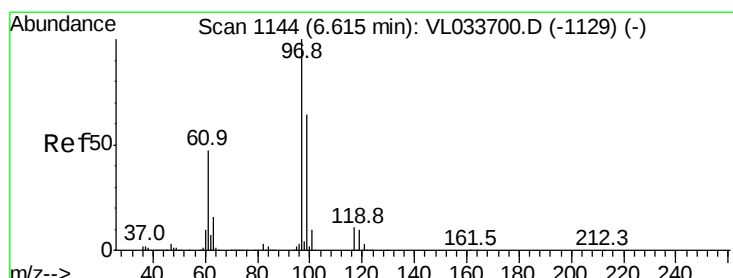
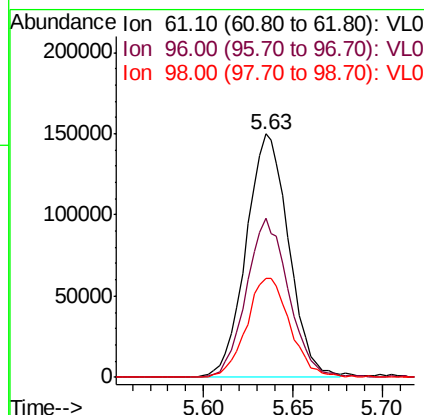
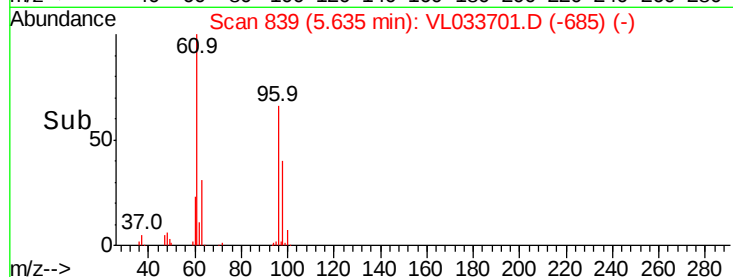
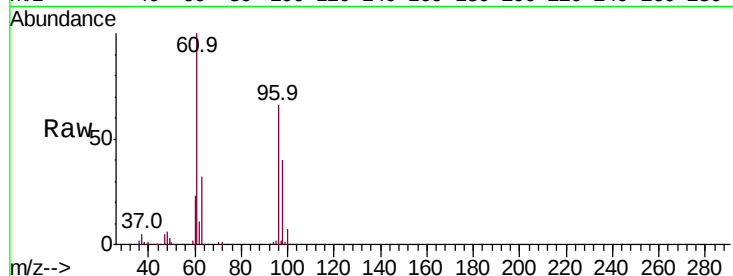
#31
 cis-1,2-Dichloroethene
 Concen: 2.120 ppbv
 RT: 5.63 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: VL033701.D
 Acq: 17 May 2019 2:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
61	100	249945		
96	65.6		50.8	76.2
98	40.4		33.3	49.9

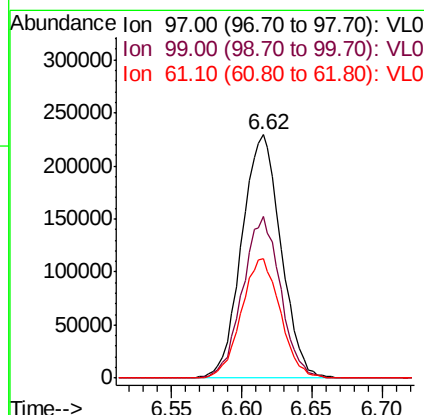
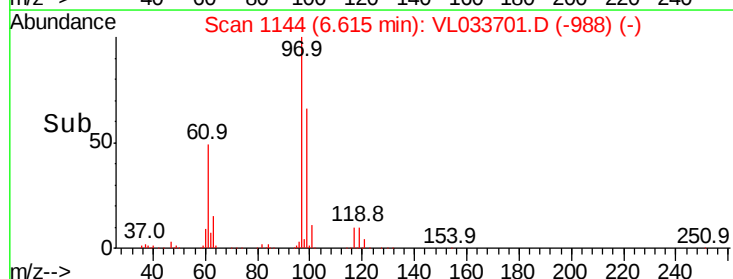
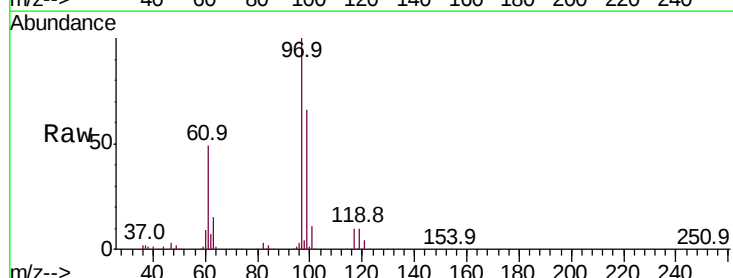
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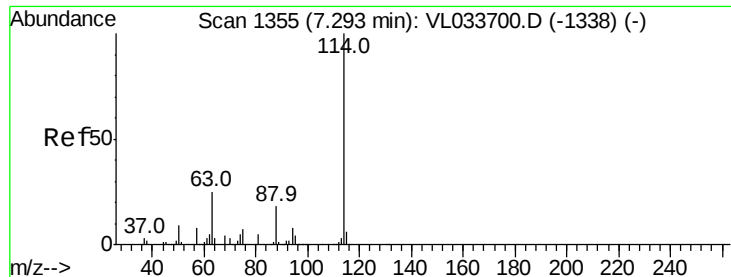
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#32
 1,1,1-Trichloroethane
 Concen: 2.019 ppbv
 RT: 6.62 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VL033701.D
 Acq: 17 May 2019 2:40

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	447093		
99	64.3		51.5	77.3
61	48.8		37.8	56.8





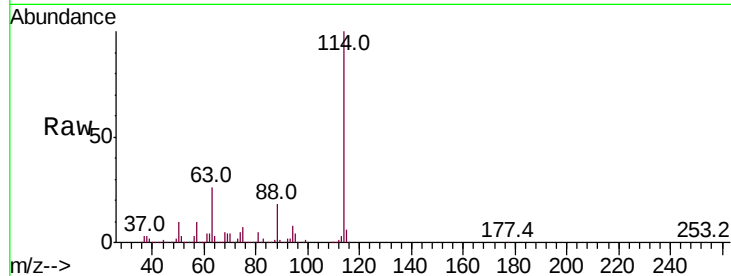
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033701.D
 Acq: 17 May 2019 2:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

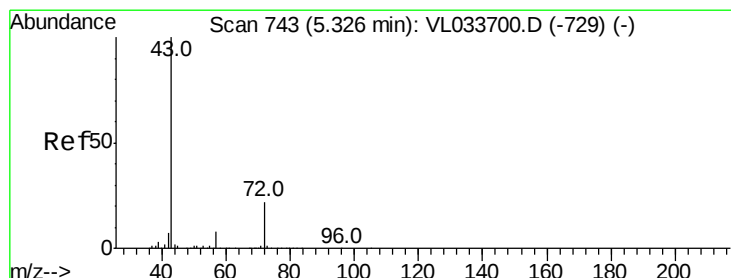
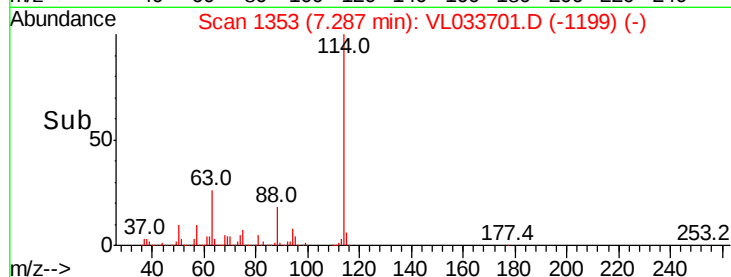
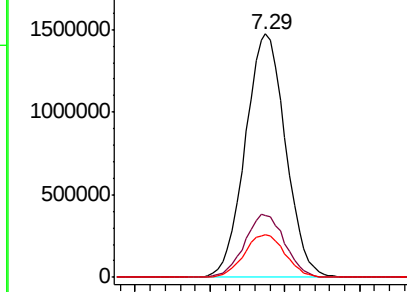
Tot Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.9	31.3
88	17.8	14.3	21.5

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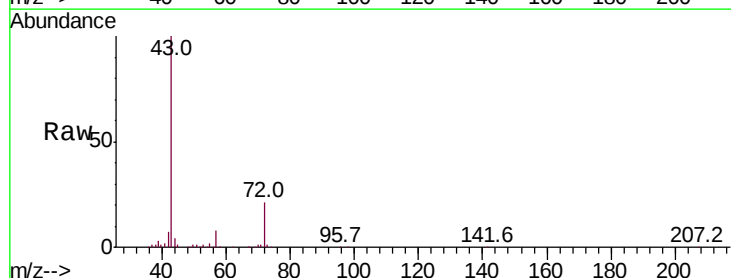


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

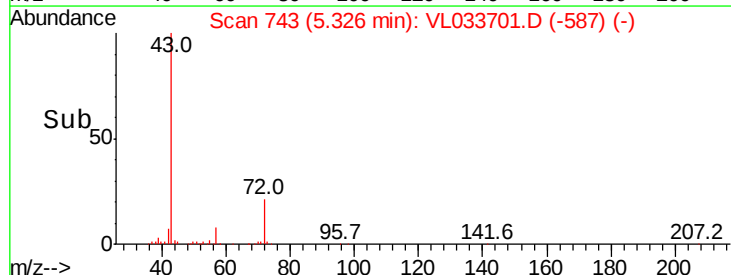
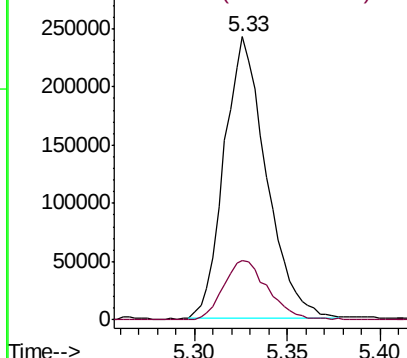


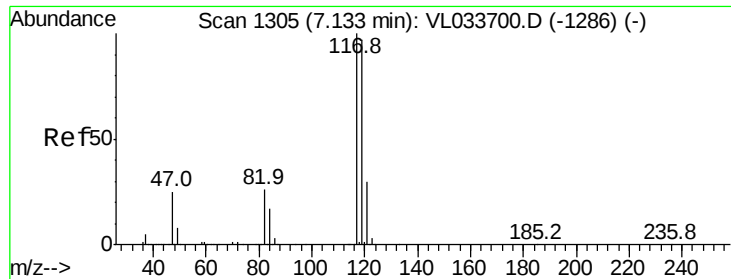
#34
 2-Butanone
 Concen: 2.161 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. 0.00 min
 Lab File: VL033701.D
 Acq: 17 May 2019 2:40

Tgt 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: 2.079 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VL033701.D

Acq: 17 May 2019 2:40

Instrument :

MSVOA_L

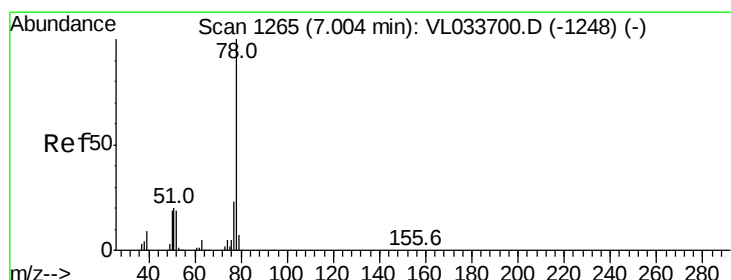
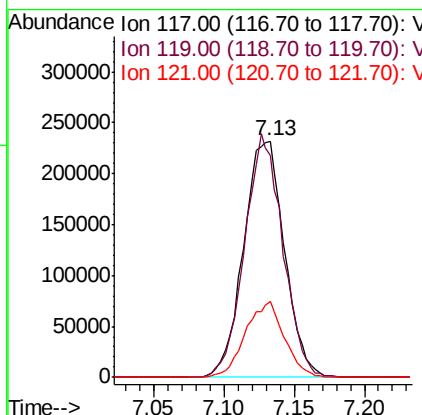
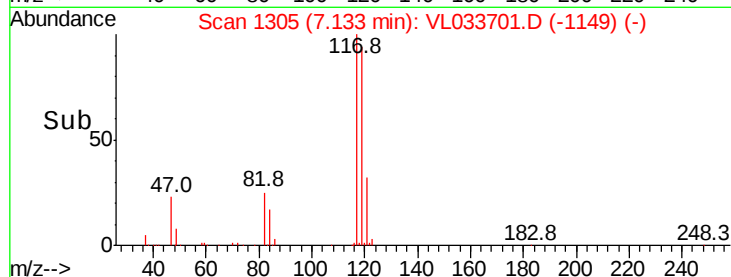
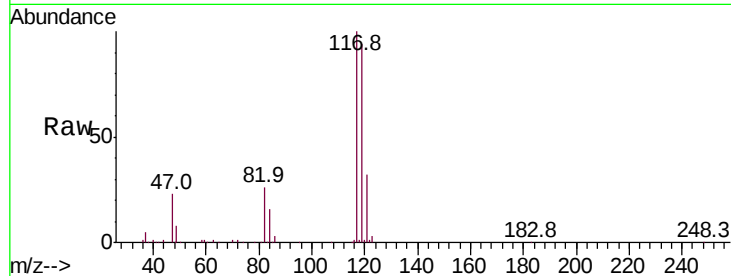
ClientSampleId :

VSTDIC002

Tot Ion:	117	Resp:	471667
Ion Ratio	Lower	Upper	
117	100		
119	94.2	77.2	115.8
121	32.1	24.1	36.1

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#36

Benzene

Concen: 2.147 ppbv

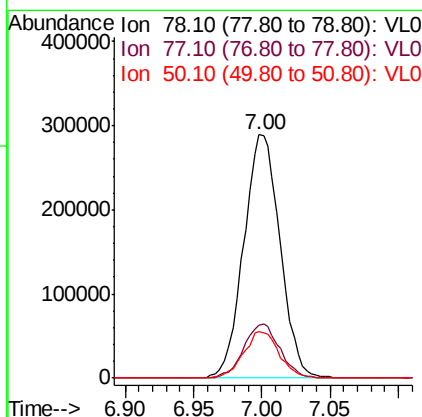
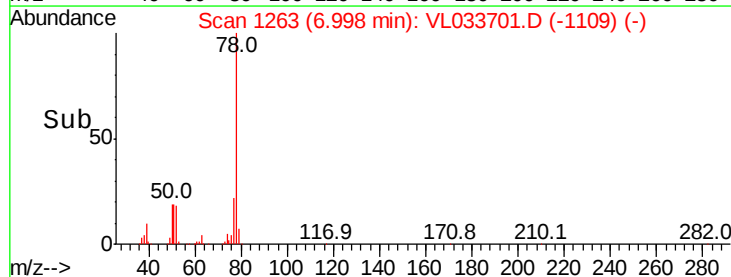
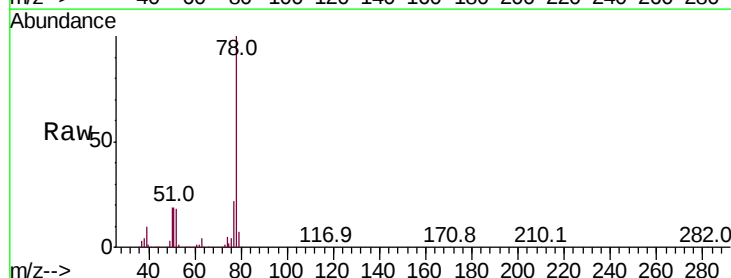
RT: 7.00 min Scan# 1263

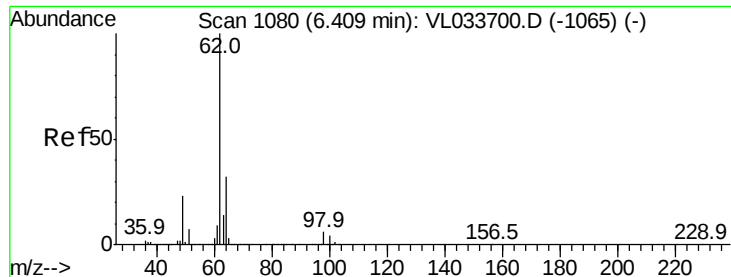
Delta R.T. -0.01 min

Lab File: VL033701.D

Acq: 17 May 2019 2:40

Tgt Ion:	78	Resp:	534913
Ion Ratio	Lower	Upper	
78	100		
77	21.8	18.4	27.6
50	19.1	15.5	23.3





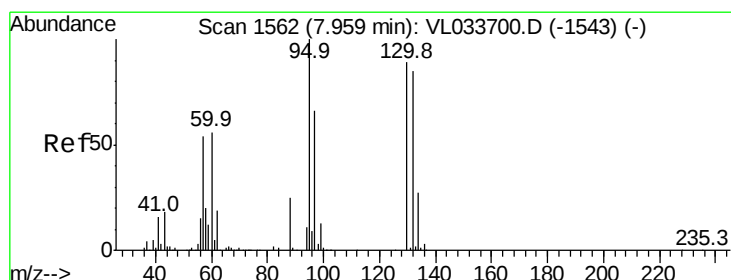
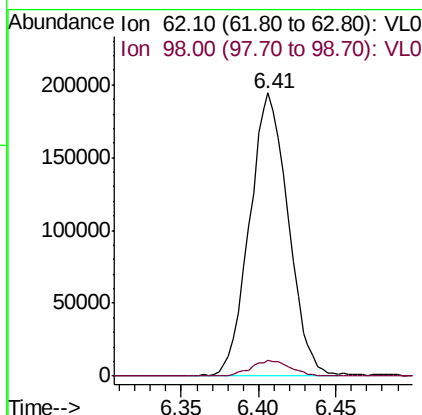
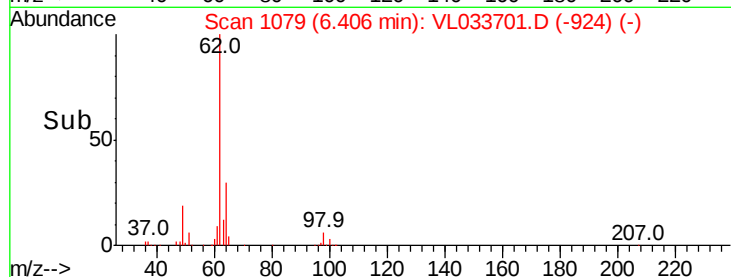
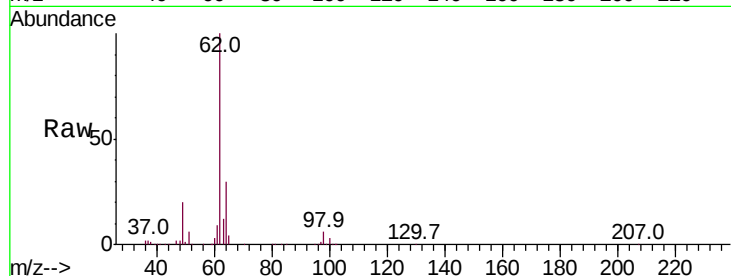
#37
 1,2-Dichloroethane
 Concen: 1.952 ppbv
 RT: 6.41 min Scan# 1079
 Delta R.T. -0.00 min
 Lab File: VL033701.D
 Acq: 17 May 2019 2:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
62	100	338946		
98	5.6	4.5	6.7	

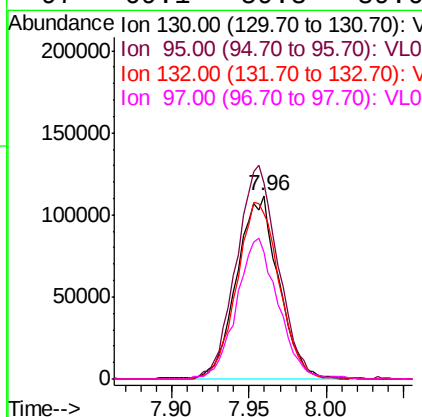
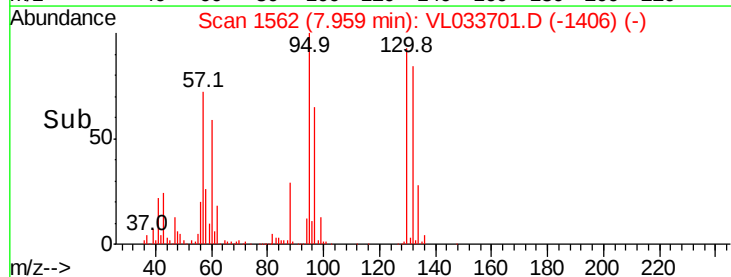
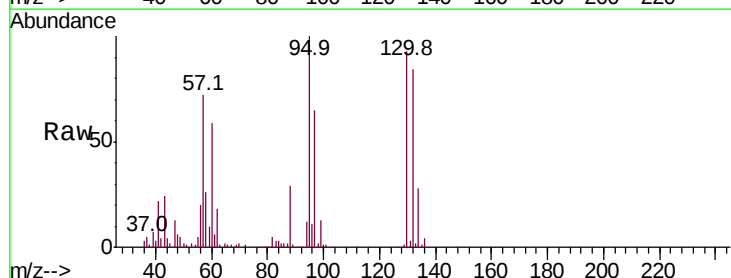
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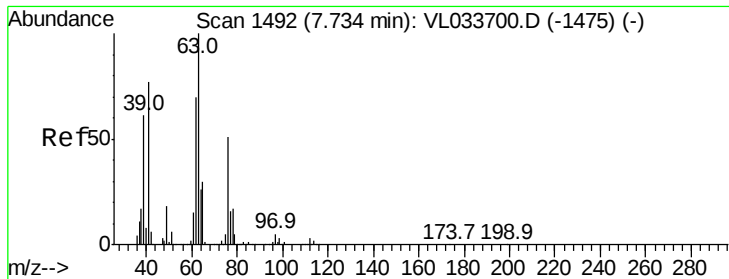
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#38
 Trichloroethene
 Concen: 2.307 ppbv
 RT: 7.96 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: VL033701.D
 Acq: 17 May 2019 2:40

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	209702		
95	106.8	90.2	135.4	
132	89.5	76.4	114.6	
97	69.1	59.8	89.6	





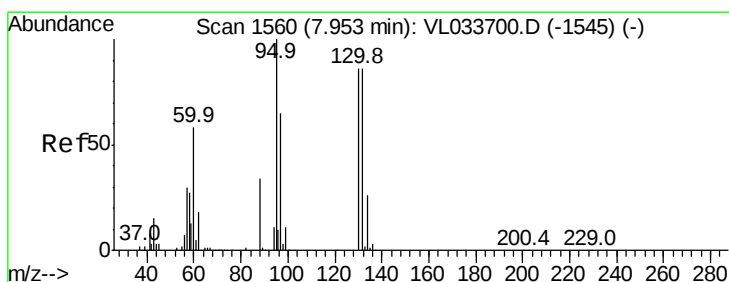
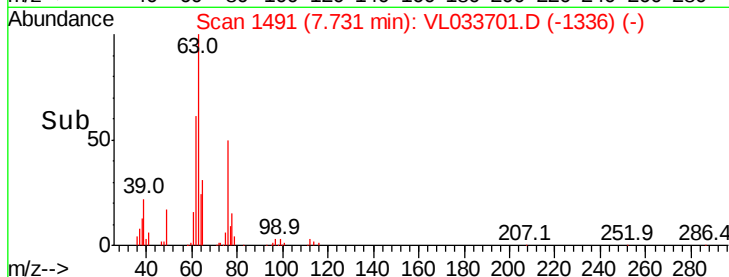
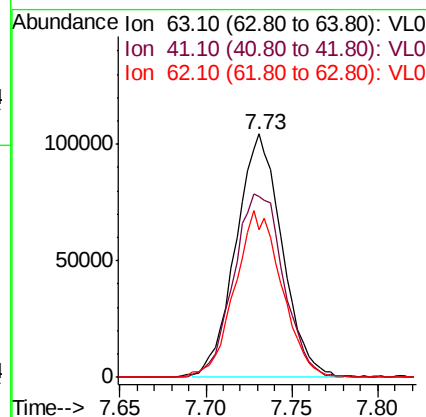
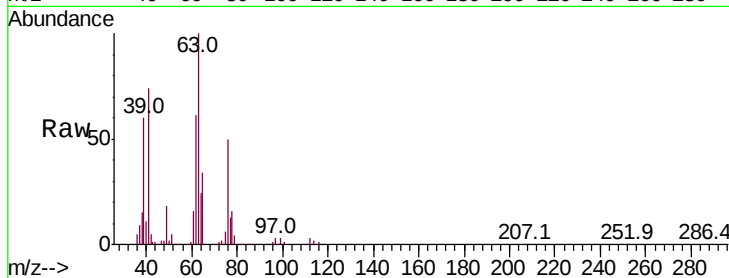
#39
 1,2-Dichloropropane
 Concen: 2.073 ppbv
 RT: 7.73 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VL033701.D
 Acq: 17 May 2019 2:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
63	100		
41	74.0	61.5	92.3
62	60.6	56.2	84.4

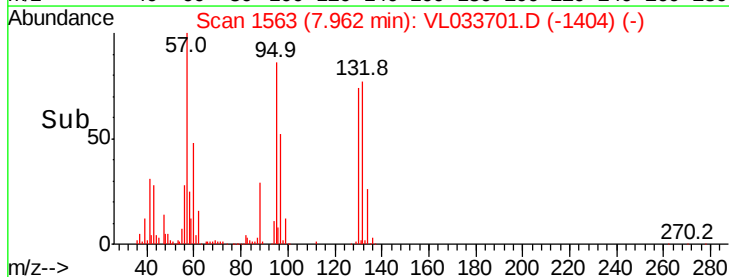
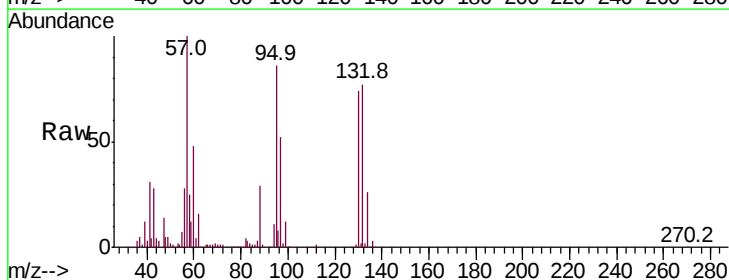
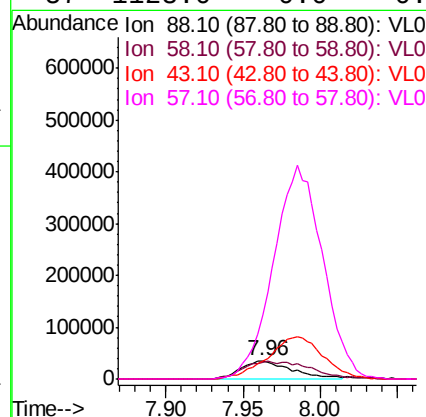
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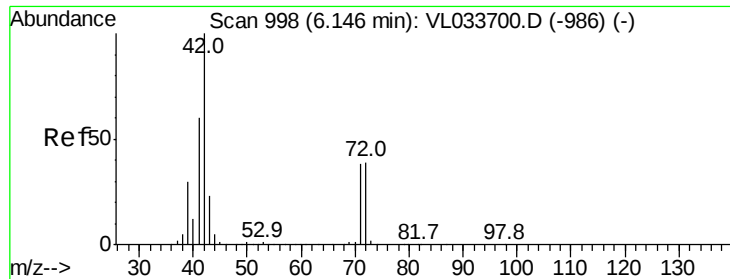
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#40
 1,4-Dioxane
 Concen: 2.164 ppbv
 RT: 7.96 min Scan# 1563
 Delta R.T. 0.01 min
 Lab File: VL033701.D
 Acq: 17 May 2019 2:40

Tgt Ion	Ratio	Lower	Upper
88	100		
58	128.8	101.8	152.6
43	252.7	0.0	0.0#
57	1128.0	0.0	0.0#





#41

Tetrahydrofuran

Concen: 2.265 ppbv

RT: 6.15 min Scan# 999

Delta R.T. 0.00 min

Lab File: VL033701.D

Acq: 17 May 2019 2:40

Instrument :

MSVOA_L

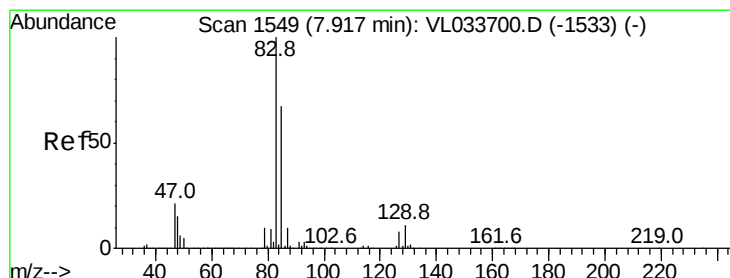
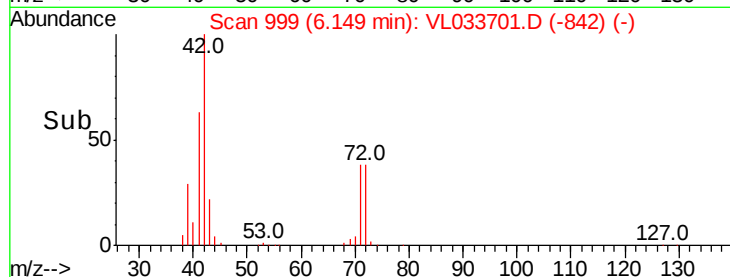
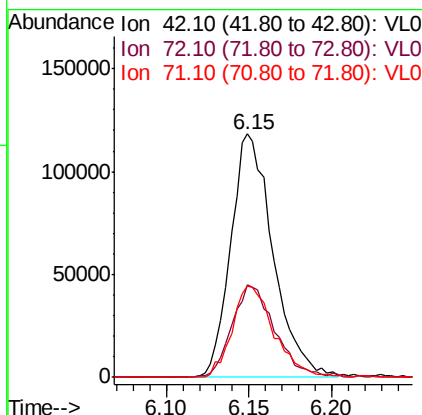
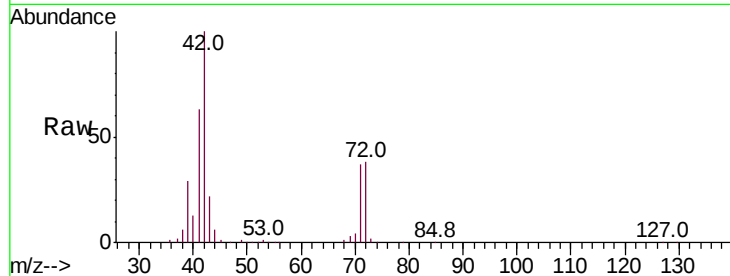
ClientSampleId :

VSTDIC002

Tot Ion:	42	Resp:	209753
Ion Ratio	Lower	Upper	
42	100		
72	39.0	32.0	48.0
71	37.5	30.4	45.6

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#42

Bromodichloromethane

Concen: 2.073 ppbv

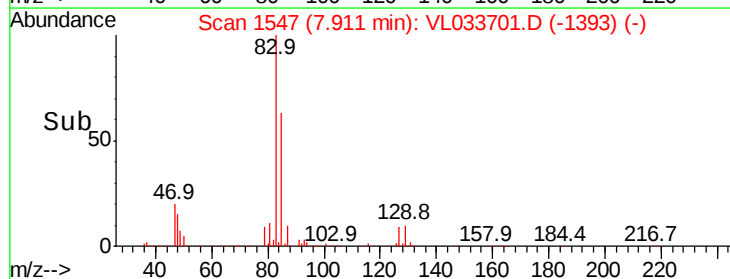
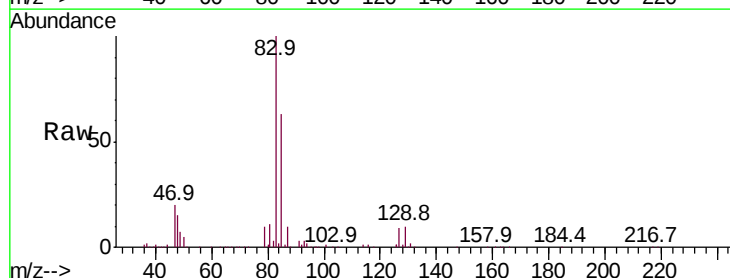
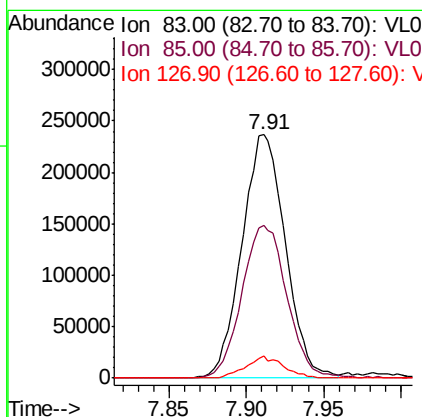
RT: 7.91 min Scan# 1547

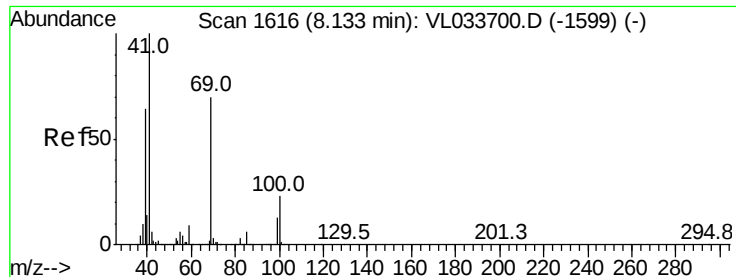
Delta R.T. -0.01 min

Lab File: VL033701.D

Acq: 17 May 2019 2:40

Tgt Ion:	83	Resp:	462694
Ion Ratio	Lower	Upper	
83	100		
85	62.6	53.3	79.9
127	8.9	6.5	9.7





#43

Methyl Methacrylate

Concen: 2.103 ppbv

RT: 8.13 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VL033701.D

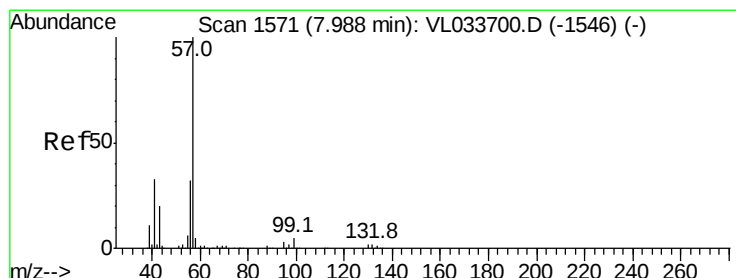
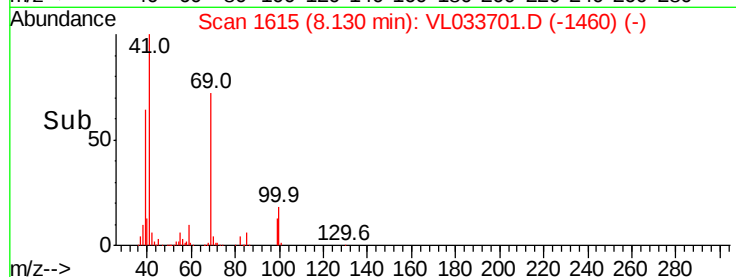
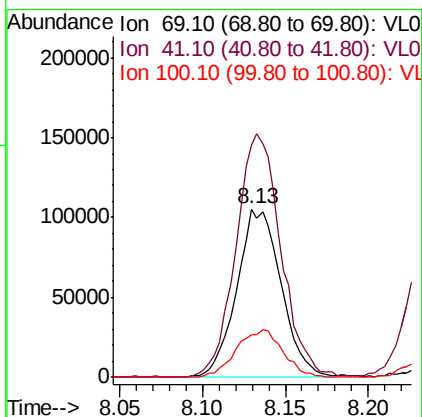
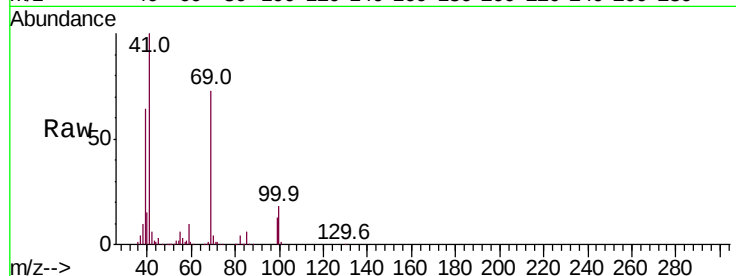
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
69	100		
41	146.3	116.3	174.5
100	30.0	25.3	37.9

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 2.151 ppbv

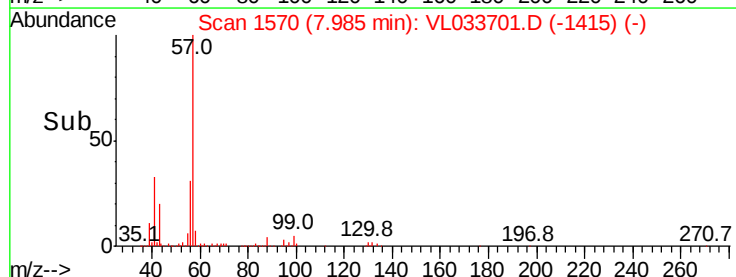
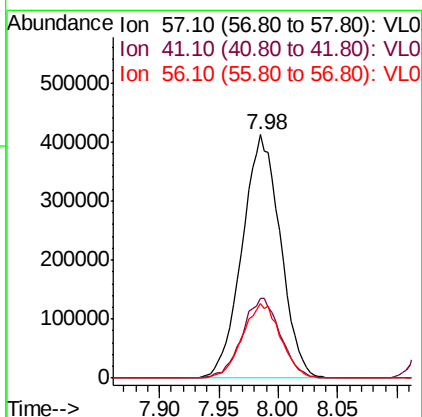
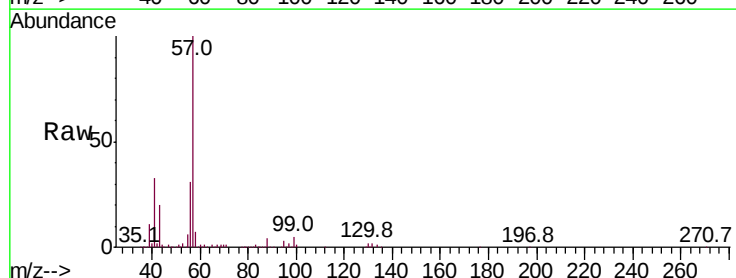
RT: 7.98 min Scan# 1570

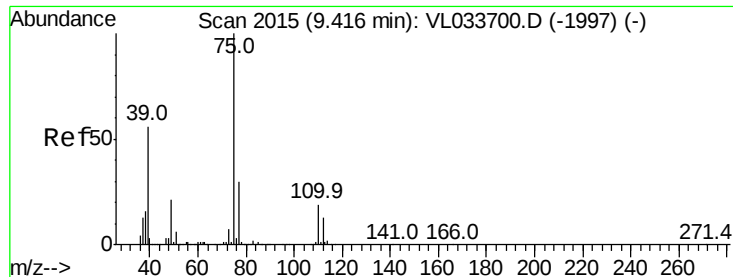
Delta R.T. -0.00 min

Lab File: VL033701.D

Acq: 17 May 2019 2:40

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.9	25.4	38.0
56	30.7	24.7	37.1





#45

t-1,3-Dichloropropene

Concen: 2.090 ppbv

RT: 9.41 min Scan# 2013

Delta R.T. -0.01 min

Lab File: VL033701.D

Acq: 17 May 2019 2:40

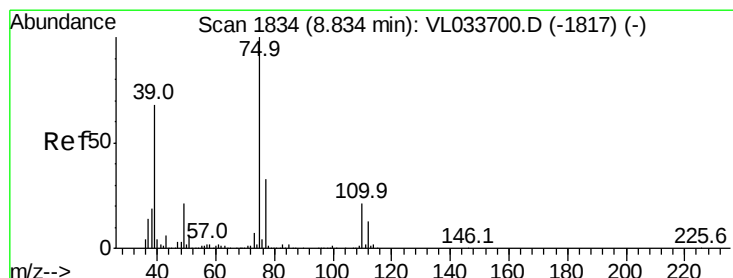
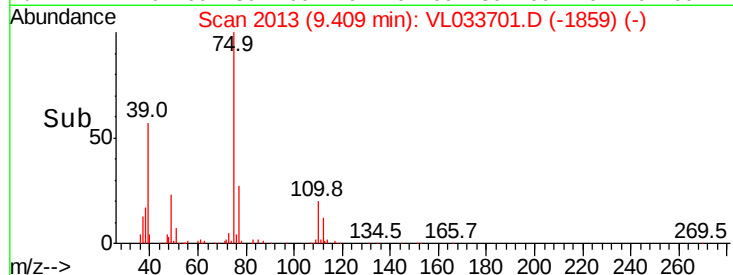
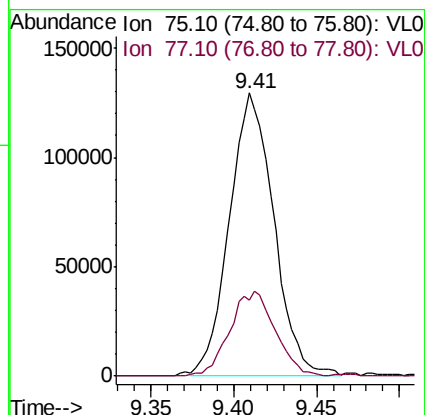
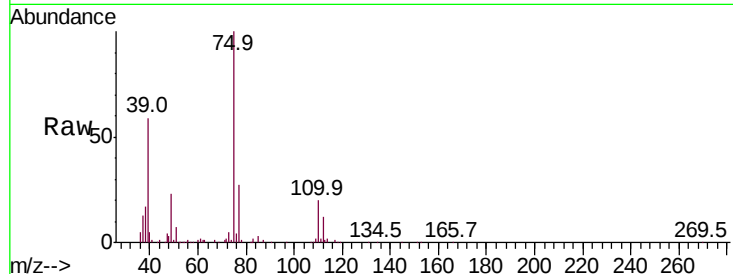
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 75 Resp: 241386

Ion	Ratio	Lower	Upper
75	100		
77	26.9	24.4	36.6

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#46

cis-1,3-Dichloropropene

Concen: 2.014 ppbv

RT: 8.83 min Scan# 1832

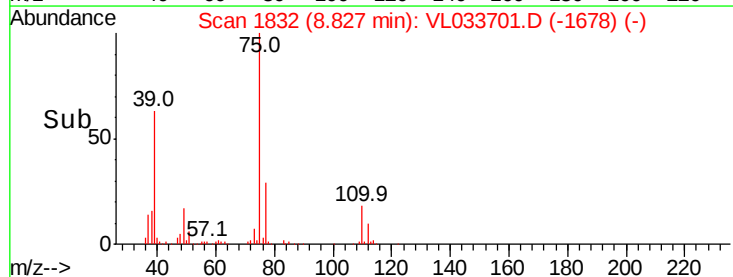
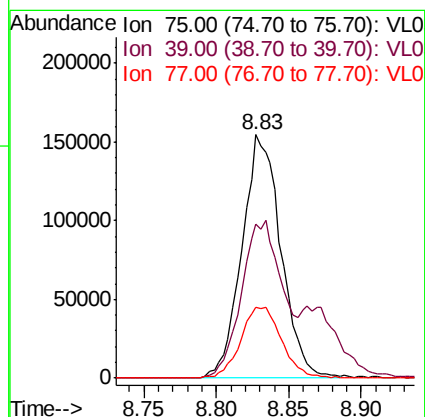
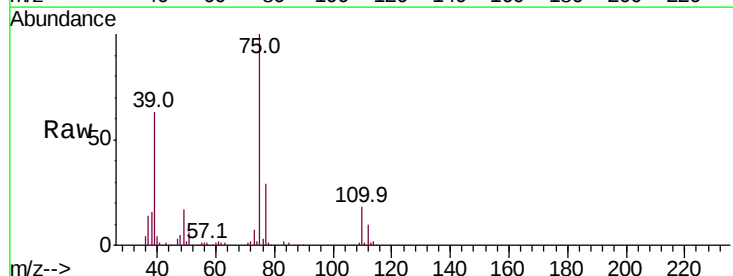
Delta R.T. -0.01 min

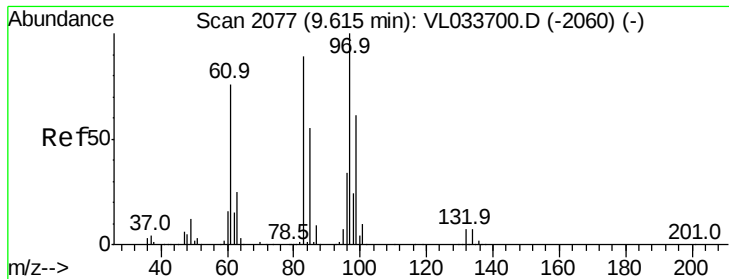
Lab File: VL033701.D

Acq: 17 May 2019 2:40

Tgt Ion: 75 Resp: 289161

Ion	Ratio	Lower	Upper
75	100		
39	62.9	54.4	81.6
77	28.9	26.6	39.8





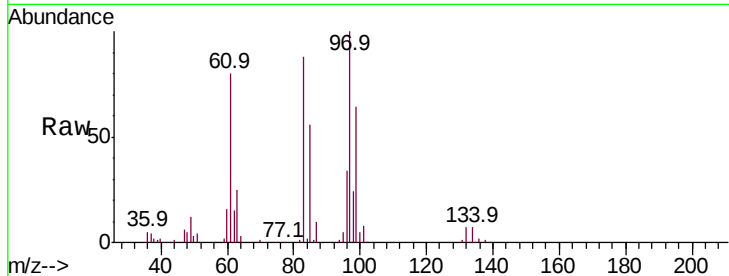
#47
 1,1,2-Trichloroethane
 Concen: 2.065 ppbv
 RT: 9.61 min Scan# 2075
 Delta R.T. -0.01 min
 Lab File: VL033701.D
 Acq: 17 May 2019 2:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

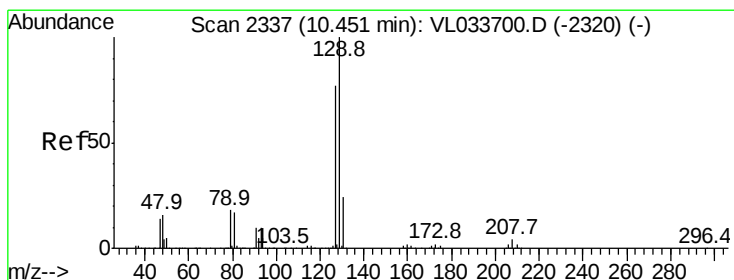
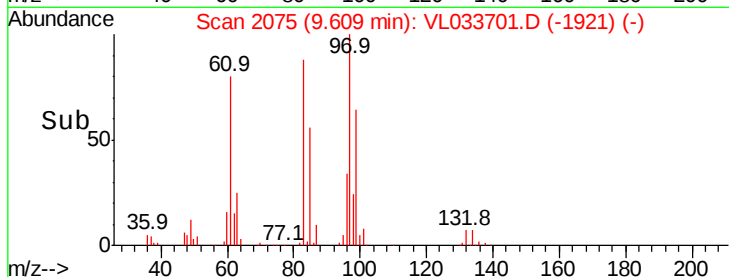
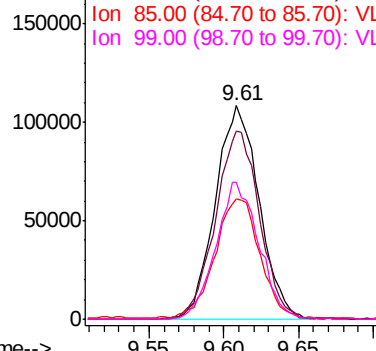
Tot Ion	97	Resp	220239
Ion	Ratio	Lower	Upper
97	100		
83	88.2	70.8	106.2
85	55.4	43.7	65.5
99	64.4	48.7	73.1

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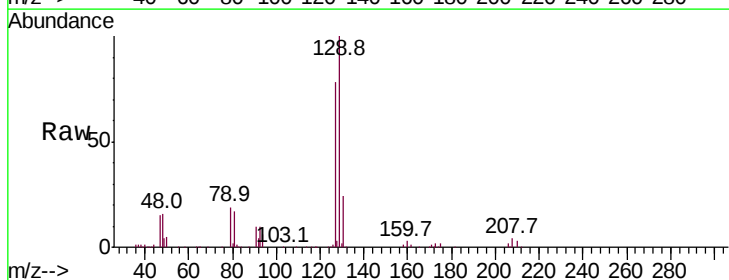


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

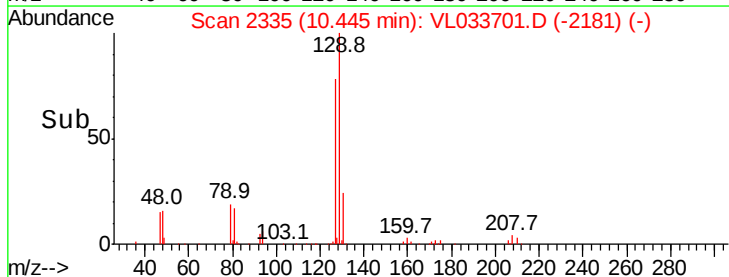
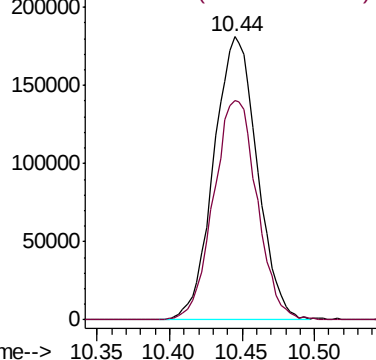


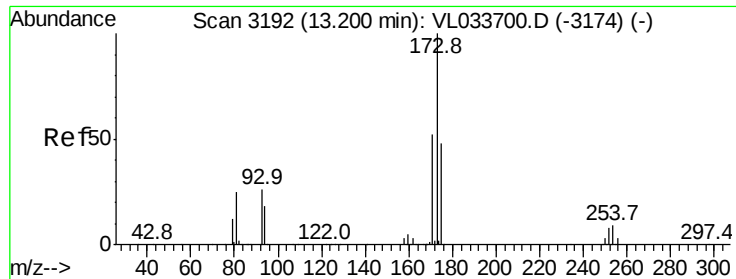
#48
 Dibromochloromethane
 Concen: 2.079 ppbv
 RT: 10.44 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: VL033701.D
 Acq: 17 May 2019 2:40

Tgt Ion	129	Resp	376657
Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.6	116.0



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





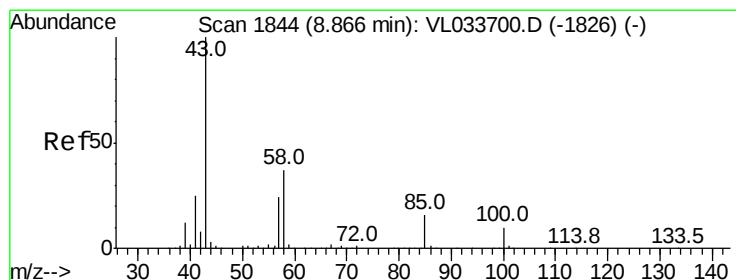
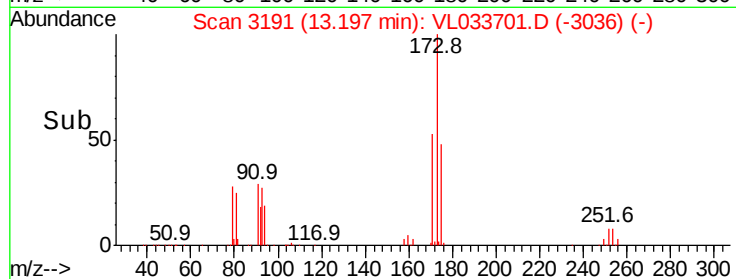
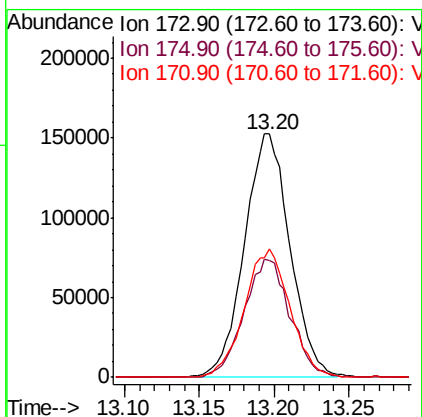
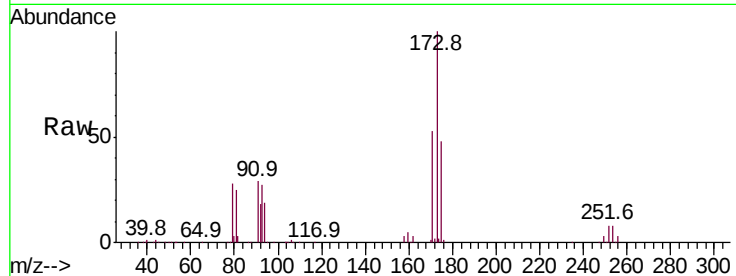
#49
Bromoform
Concen: 2.083 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	38.6	58.0
171	52.6	41.5	62.3

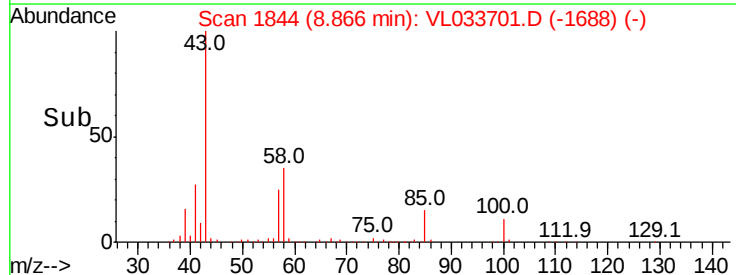
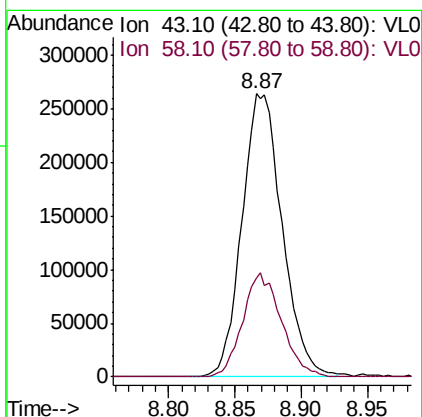
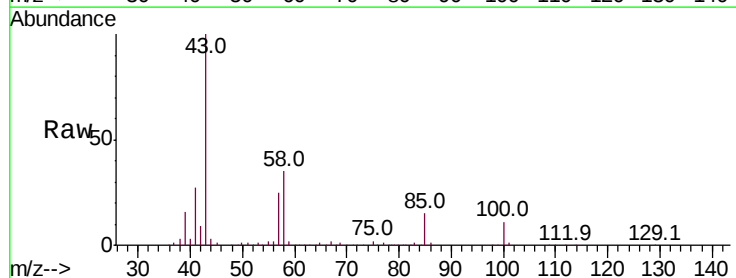
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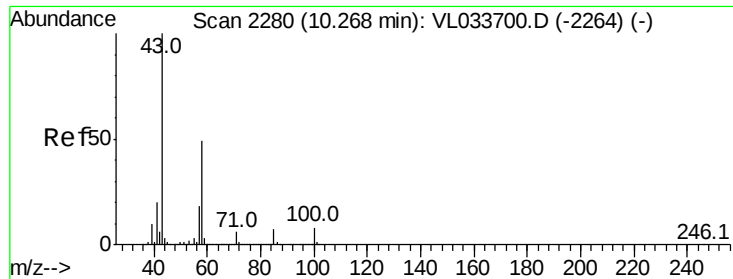
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#50
4-Methyl-2-Pentanone
Concen: 2.078 ppbv
RT: 8.87 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.7	28.6	43.0





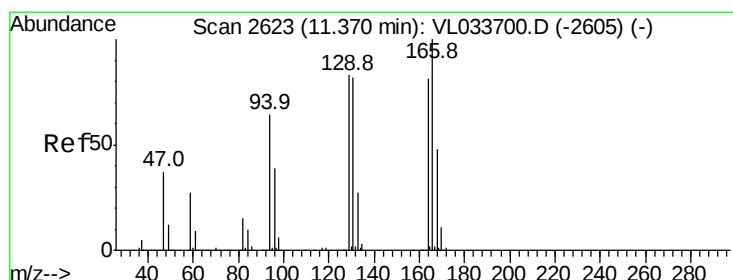
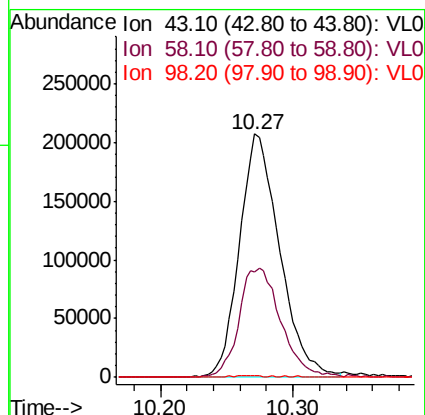
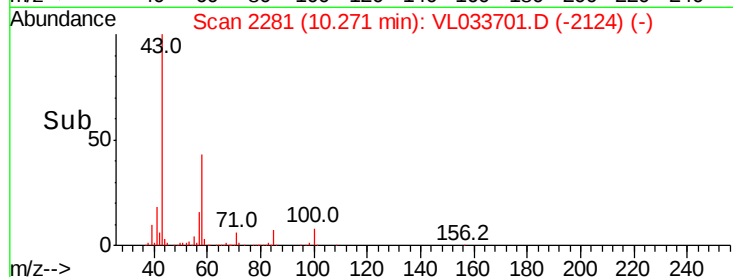
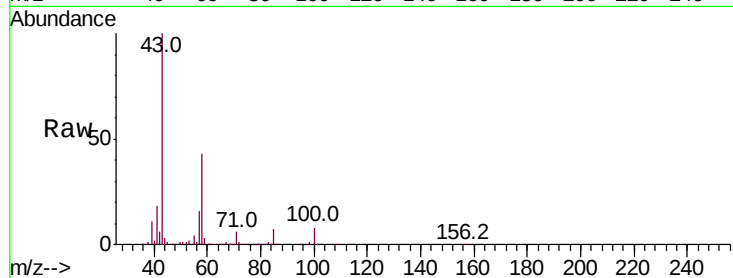
#51
2-Hexanone
Concen: 2.093 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 43 Resp: 437135
Ion Ratio Lower Upper
43 100
58 46.9 38.7 58.1
98 0.7 0.2 0.4#

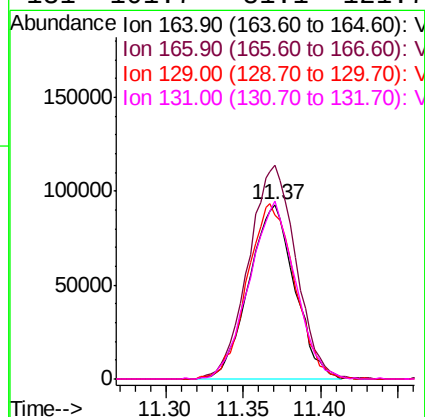
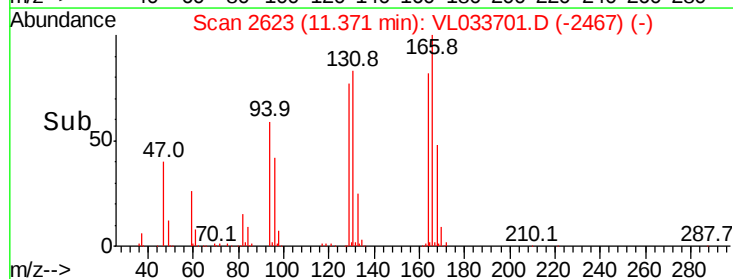
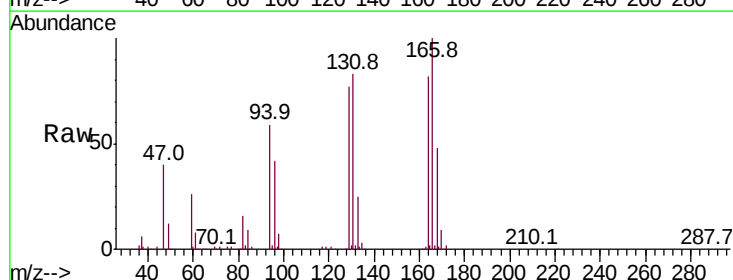
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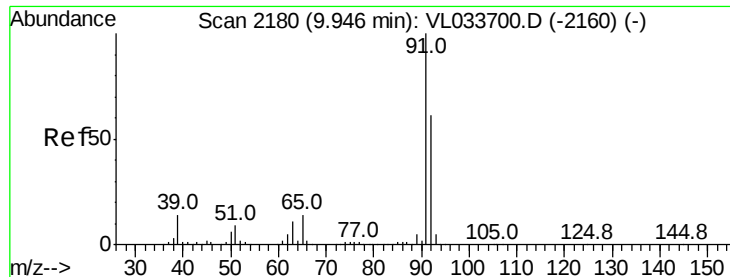
MMDadoda
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#52
Tetrachloroethene
Concen: 2.157 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 164 Resp: 190569
Ion Ratio Lower Upper
164 100
166 122.0 98.9 148.3
129 93.7 81.8 122.6
131 101.7 81.1 121.7





#53

Toluene

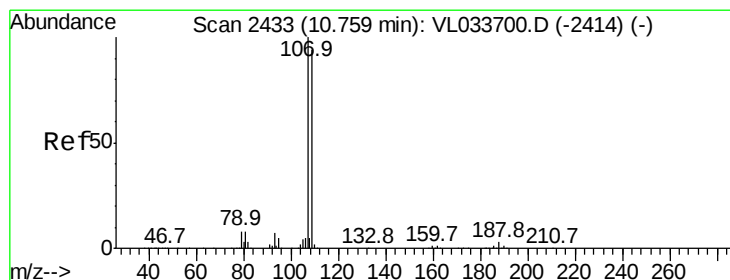
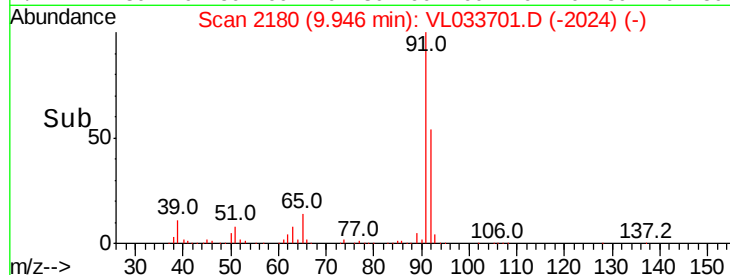
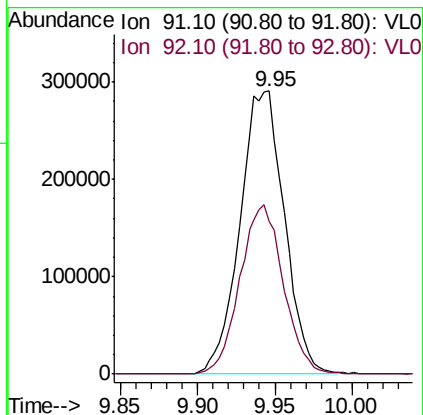
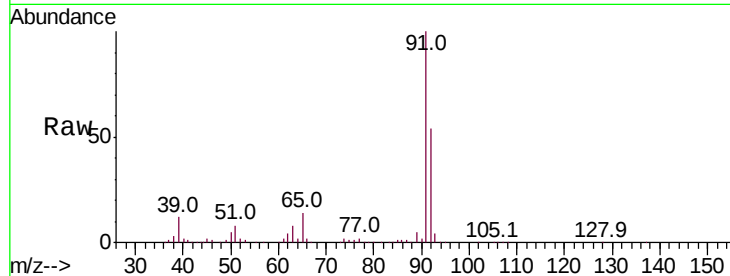
Concen: 2.160 ppbv m
RT: 9.95 min Scan# 2180
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.6	71.4#

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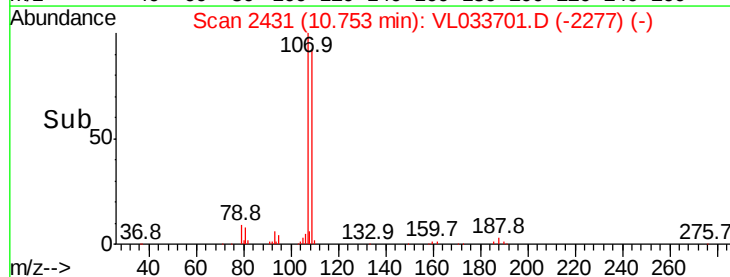
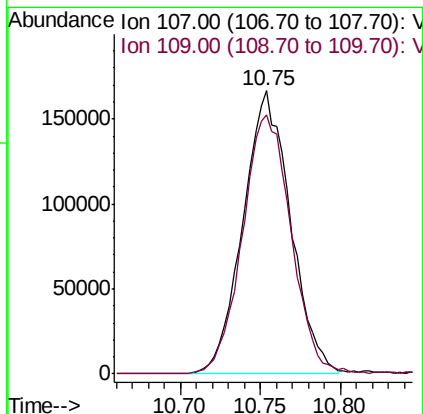
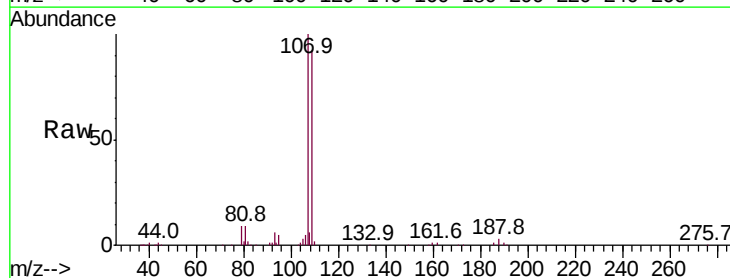


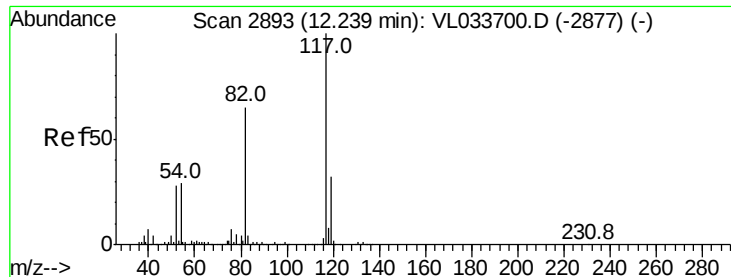
#54

1,2-Dibromoethane

Concen: 2.101 ppbv
RT: 10.75 min Scan# 2431
Delta R.T. -0.01 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.5	75.2	112.8





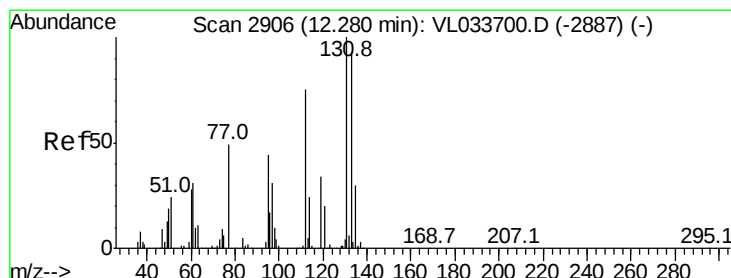
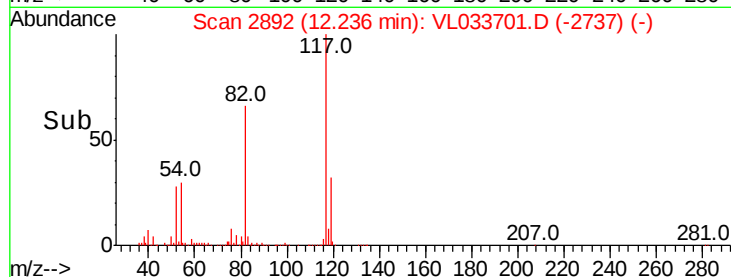
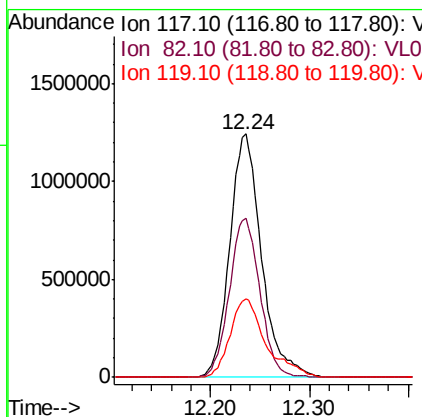
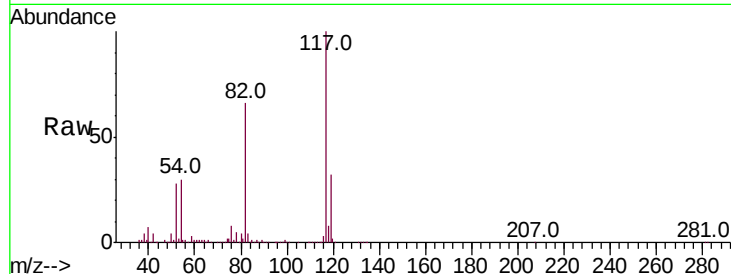
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.0	49.4	74.0
119	36.4	24.9	37.3

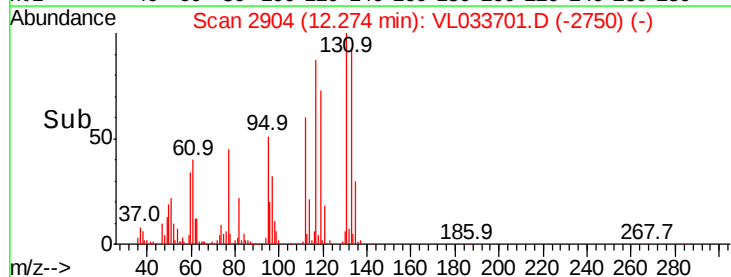
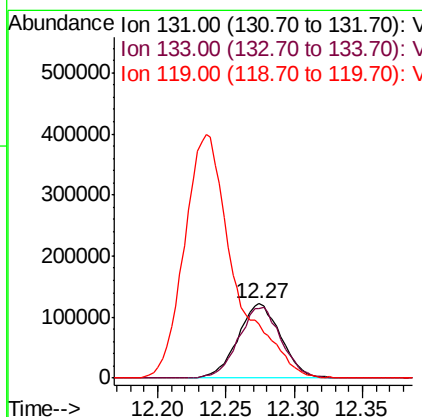
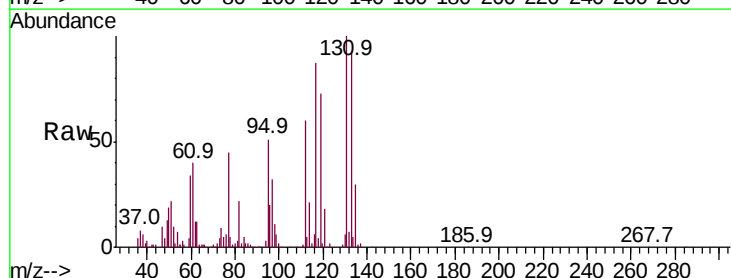
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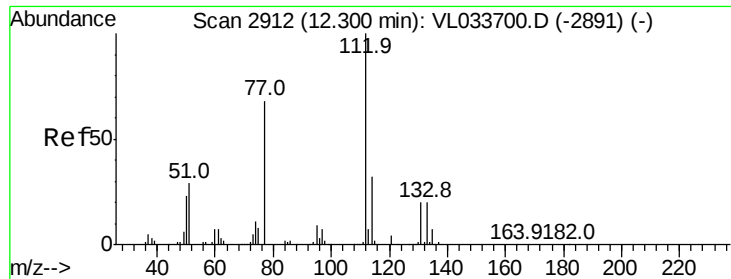
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#56
1,1,1,2-Tetrachloroethane
Concen: 2.053 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	76.6	114.8
119	380.4	49.0	73.4#





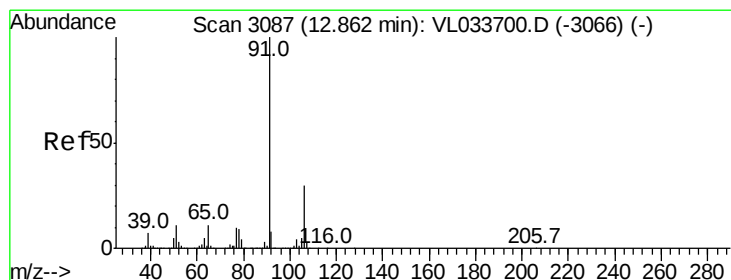
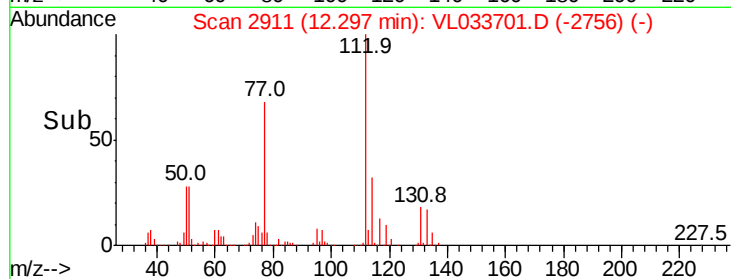
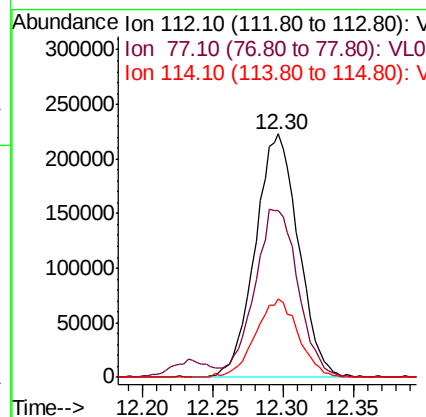
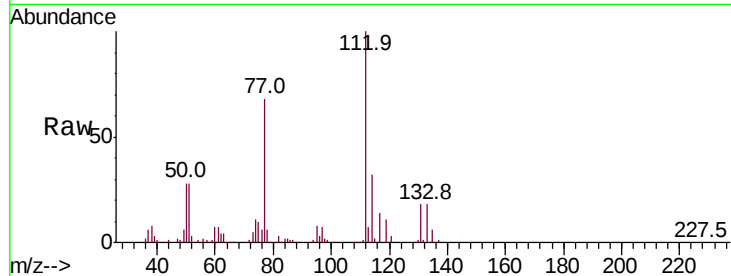
#57
Chlorobenzene
Concen: 2.047 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
112	100	474264		
77	68.0	55.4	83.0	
114	31.8	29.3	35.8	

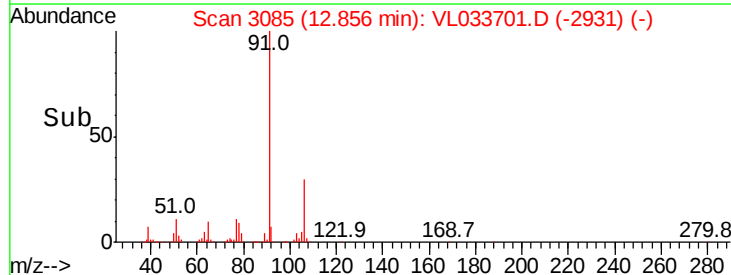
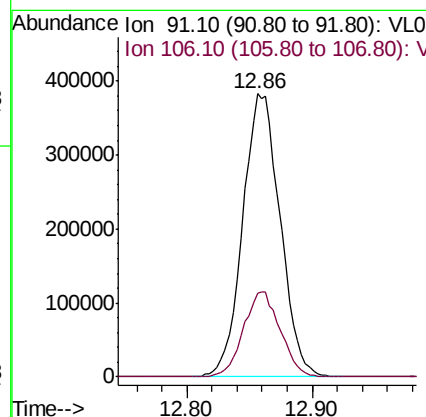
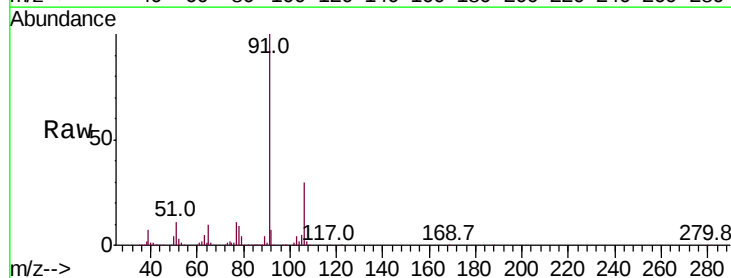
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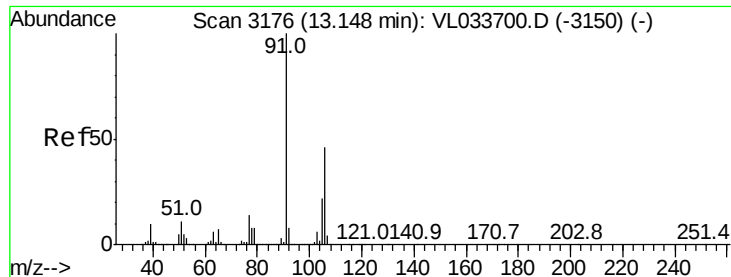
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#58
Ethyl Benzene
Concen: 2.155 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	793181		
106	29.6	23.9	35.9	





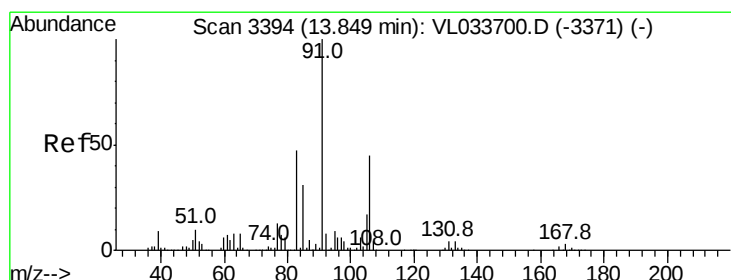
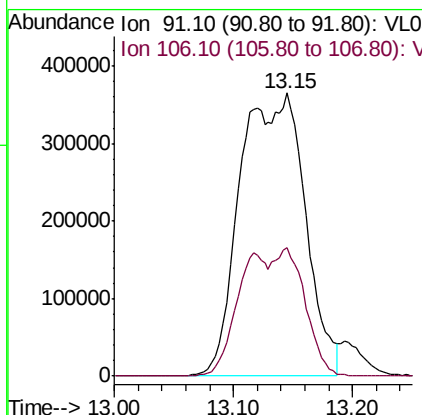
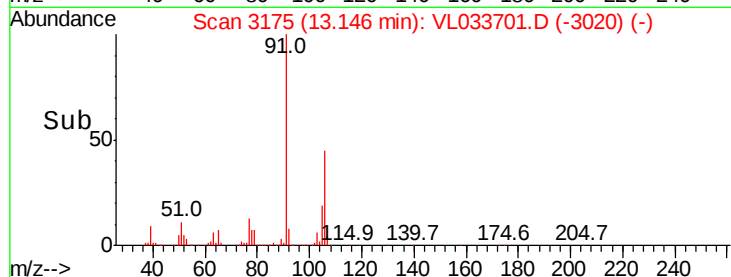
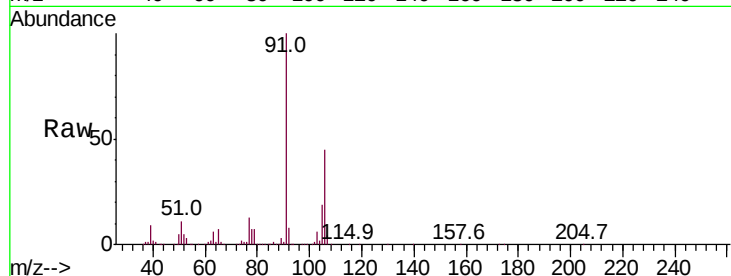
#59
m/p-Xylene
Concen: 4.305 ppbv m
RT: 13.15 min Scan# 3175
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 1396290
Ion Ratio Lower Upper
91 100
106 44.1 35.8 53.6

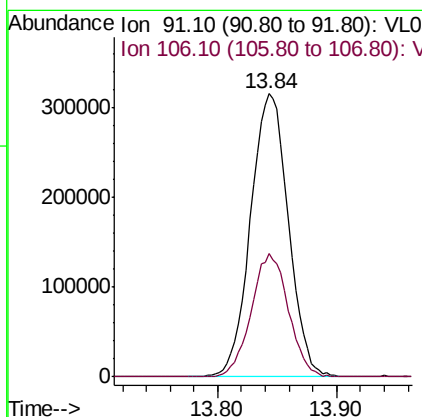
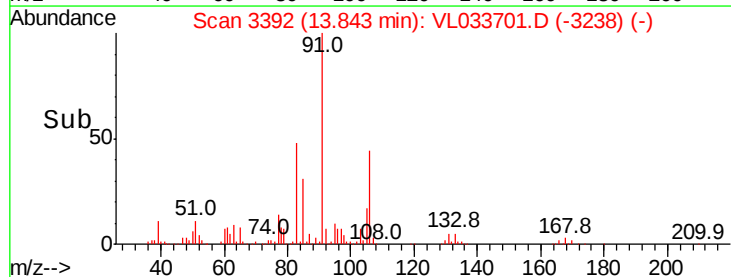
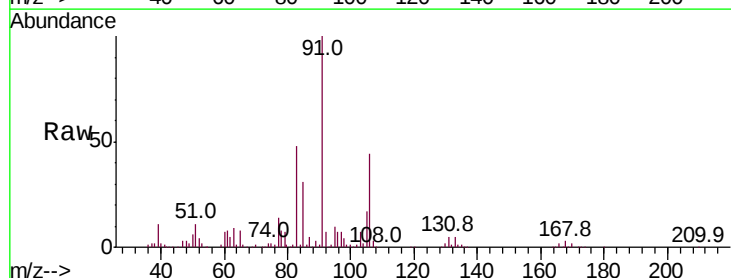
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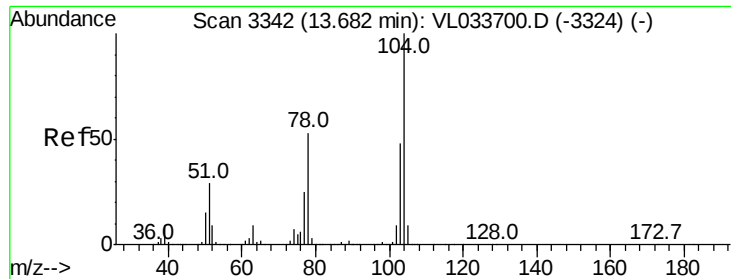
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#60
o-Xylene
Concen: 2.122 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 91 Resp: 694555
Ion Ratio Lower Upper
91 100
106 42.8 21.6 64.8





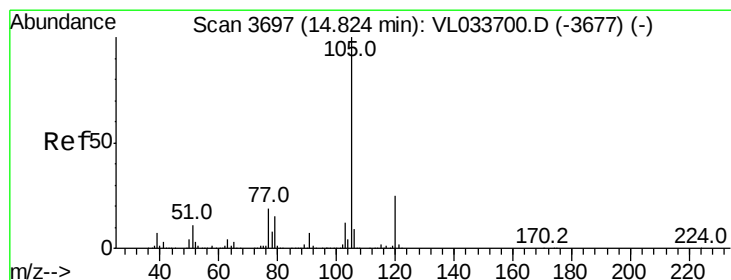
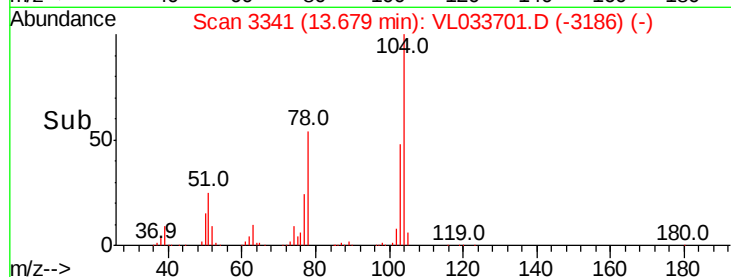
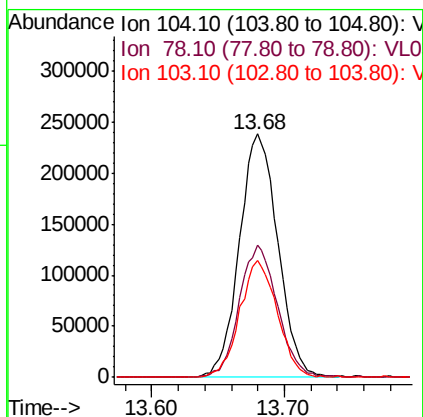
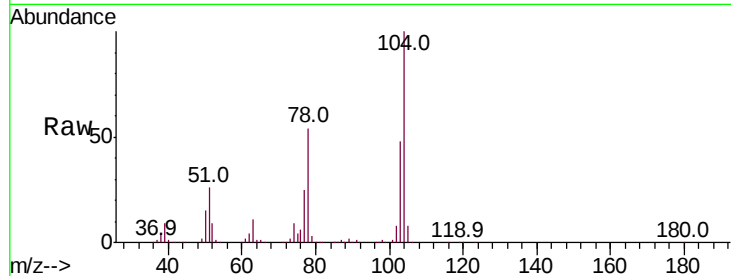
#61
Stvrene
Concen: 2.198 ppbv
RT: 13.68 min Scan# 3341
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.1	42.6	64.0
103	47.0	37.8	56.6

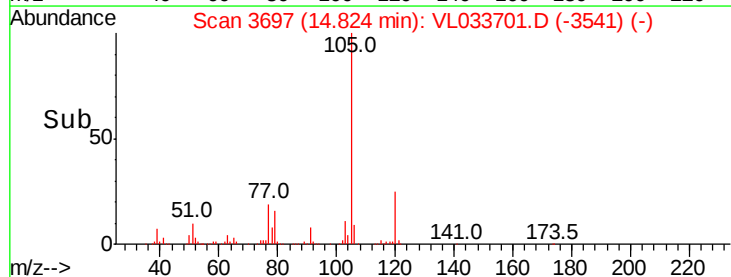
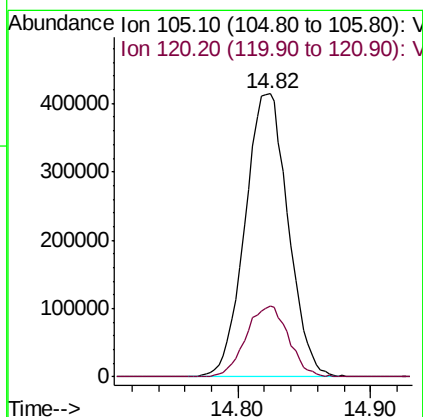
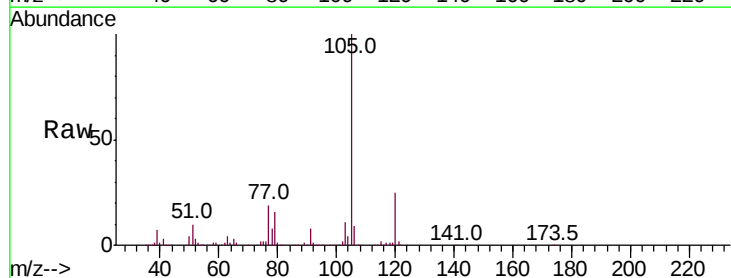
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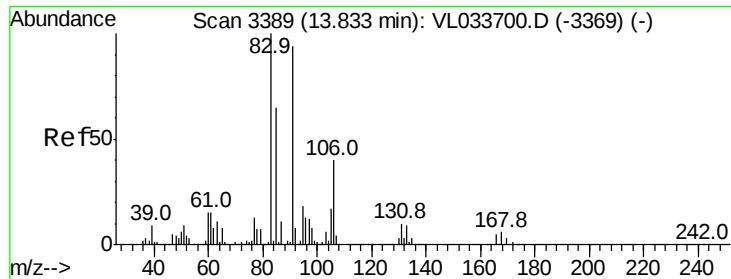
MMDadoda
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#62
Isopropylbenzene
Concen: 2.087 ppbv
RT: 14.82 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.9	20.1	30.1





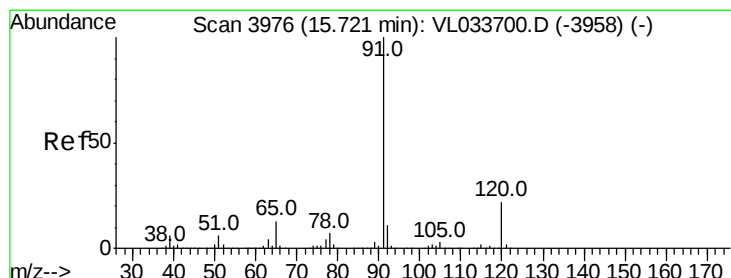
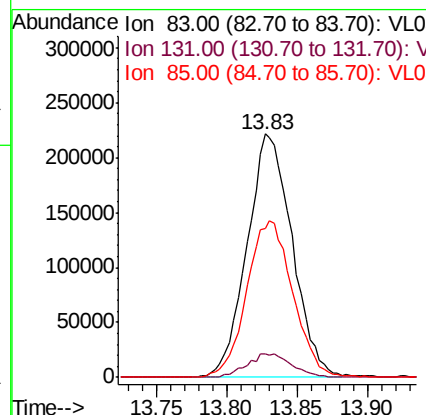
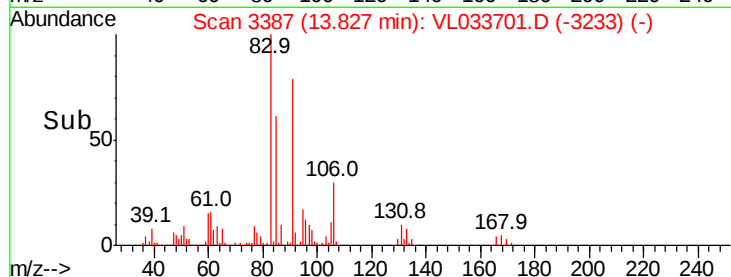
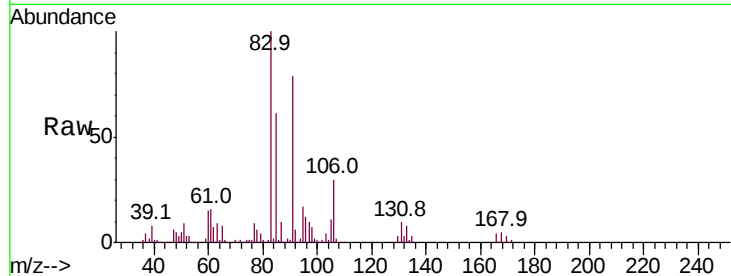
#63
 1,1,2,2-Tetrachloroethane
 Concen: 2.085 ppbv
 RT: 13.83 min Scan# 3387
 Delta R.T. -0.01 min
 Lab File: VL033701.D
 Acq: 17 May 2019 2:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
83	100	495187		
131	9.6	4.8	14.3	
85	66.1	32.3	96.9	

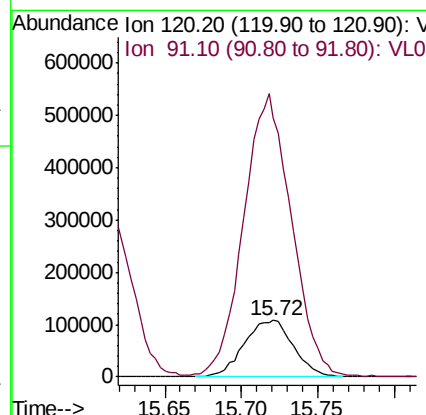
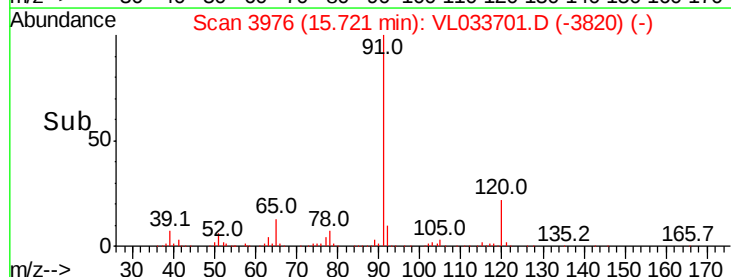
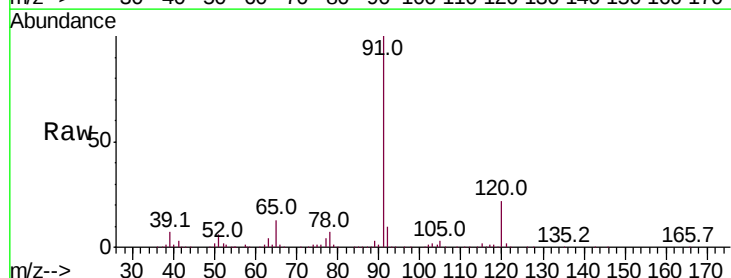
Manual Integrations
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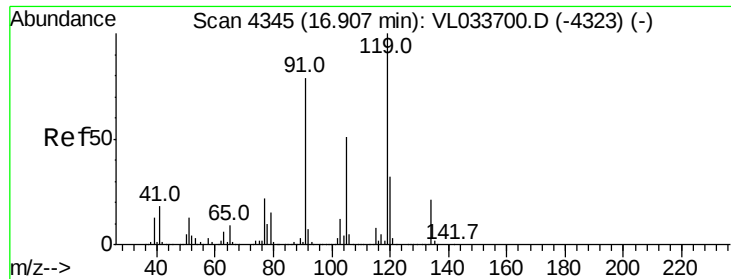
MMDadoda
 5/20/2019 12:04:58 PM



#64
 n-propylbenzene
 Concen: 2.104 ppbv m
 RT: 15.72 min Scan# 3976
 Delta R.T. 0.00 min
 Lab File: VL033701.D
 Acq: 17 May 2019 2:40

Tgt Ion	Ratio	Resp	Lower	Upper
120	100	242947		
91	486.7	379.1	568.7	





#65

tert-Butylbenzene

Concen: 2.175 ppbv

RT: 16.90 min Scan# 4344

Delta R.T. -0.00 min

Lab File: VL033701.D

Acq: 17 May 2019 2:40

Instrument :

MSVOA_L

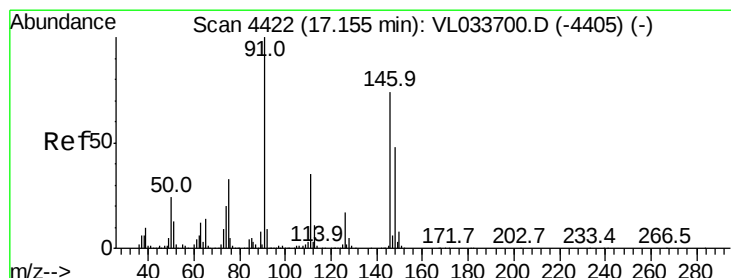
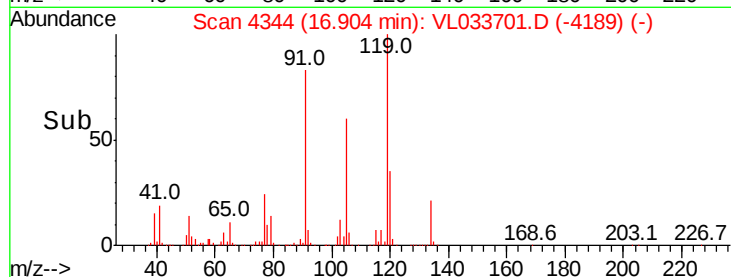
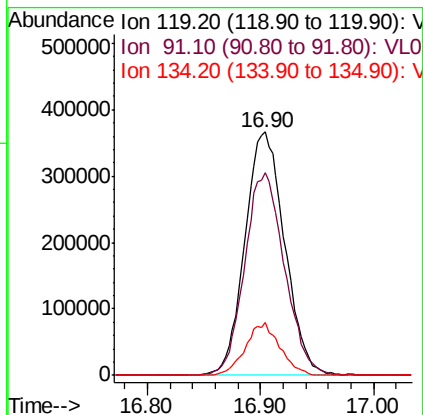
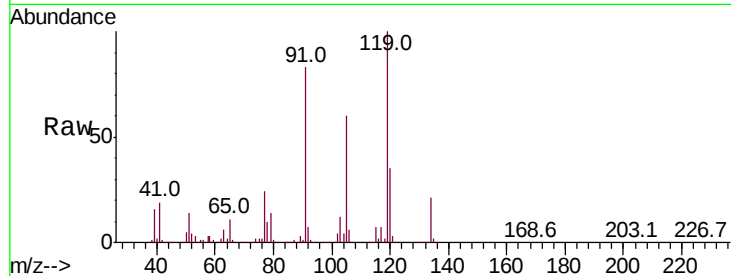
ClientSampleId :

VSTDIC002

Tot Ion:	119	Resp:	893237
Ion Ratio	Lower	Upper	
119	100		
91	84.0	65.3	97.9
134	18.8	15.7	23.5

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#66

Benzyl Chloride

Concen: 2.109 ppbv

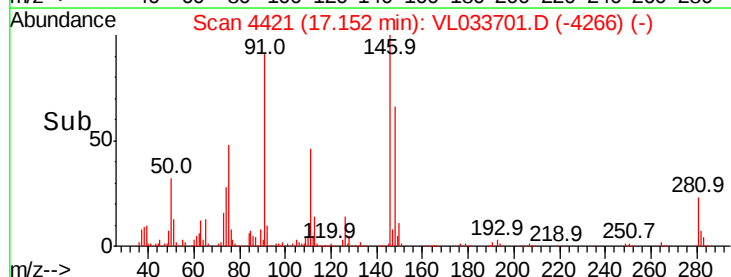
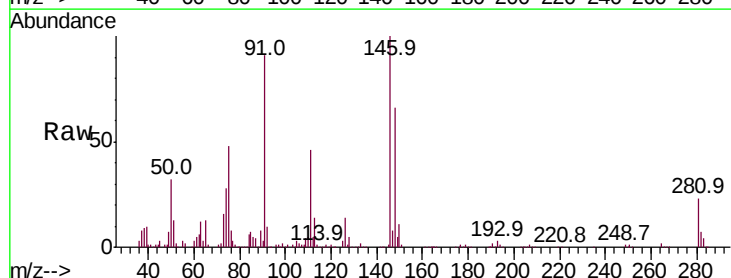
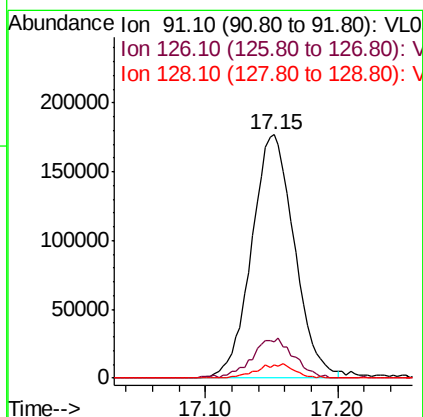
RT: 17.15 min Scan# 4421

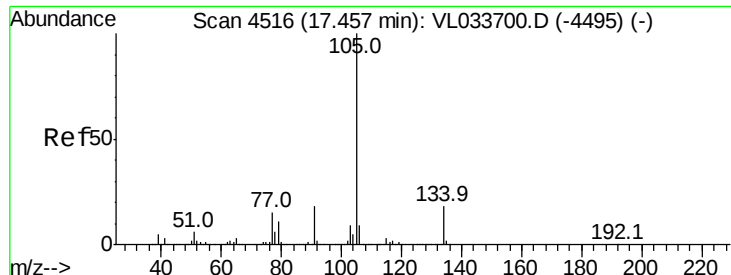
Delta R.T. -0.00 min

Lab File: VL033701.D

Acq: 17 May 2019 2:40

Tgt Ion:	91	Resp:	396458
Ion Ratio	Lower	Upper	
91	100		
126	16.7	13.5	20.3
128	5.3	4.3	6.5





#67

sec-Butylbenzene

Concen: 2.158 ppbv

RT: 17.45 min Scan# 4515

Delta R.T. -0.00 min

Lab File: VL033701.D

Acq: 17 May 2019 2:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 105 Resp: 1233855

Ion Ratio Lower Upper

105 100

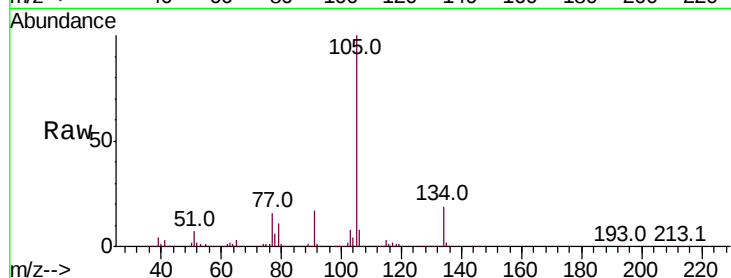
134 18.0 14.6 22.0

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.45

600000

500000

400000

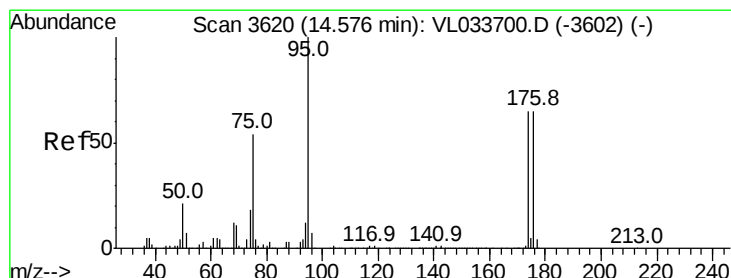
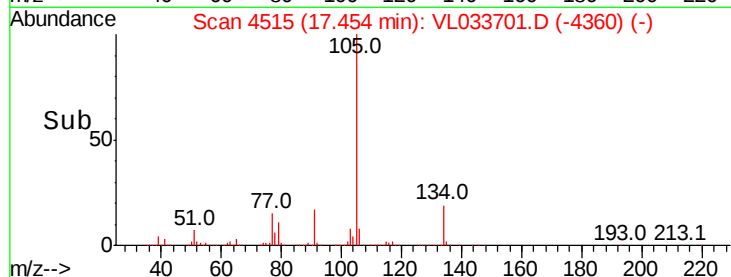
300000

200000

100000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.702 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.00 min

Lab File: VL033701.D

Acq: 17 May 2019 2:40

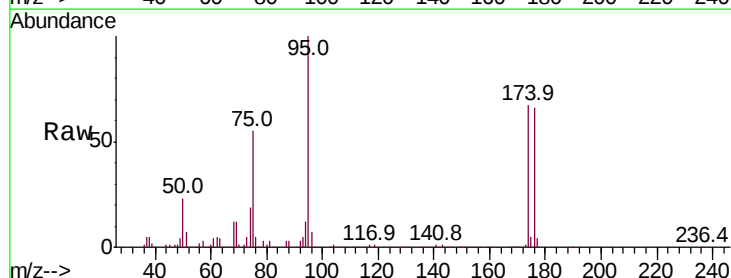
Tgt Ion: 95 Resp: 2222882

Ion Ratio Lower Upper

95 100

174 67.1 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

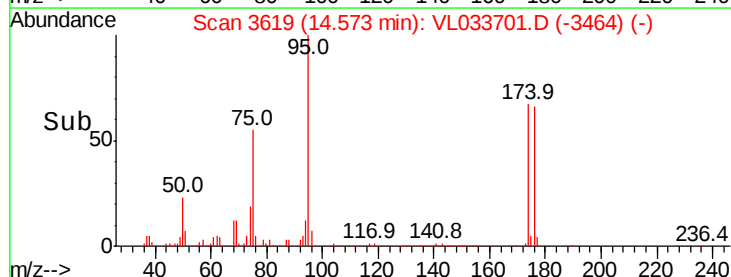
14.57

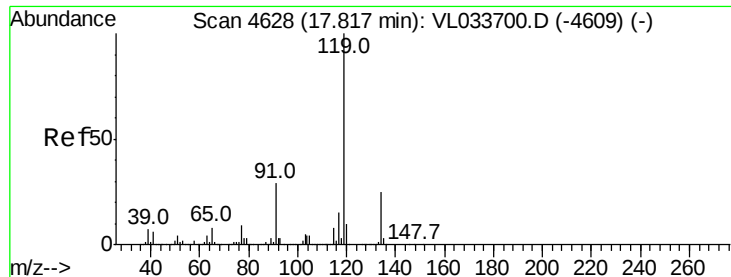
1000000

500000

0

Time-->





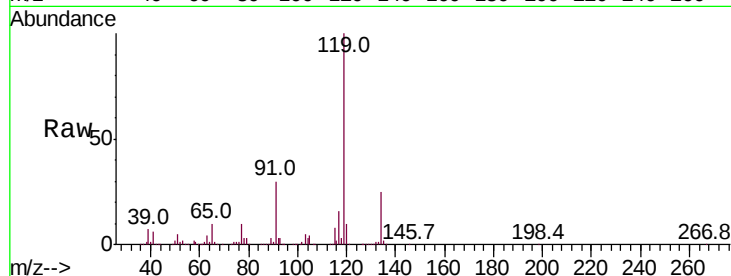
#69
p-Isopropyltoluene
Concen: 2.198 ppbv
RT: 17.81 min Scan# 4626
Delta R.T. -0.01 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.3	30.5
91	29.4	23.1	34.7

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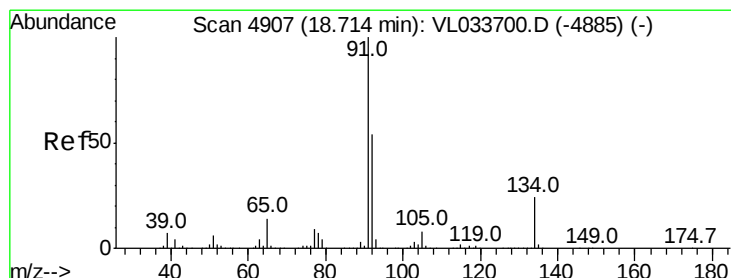
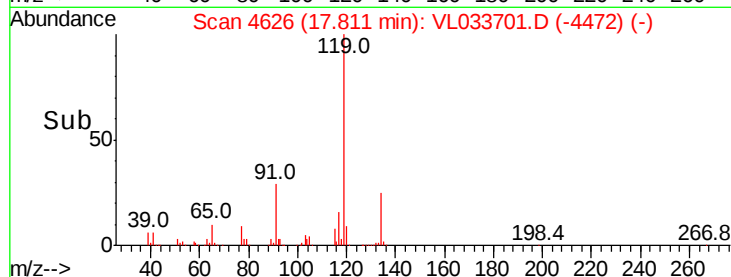
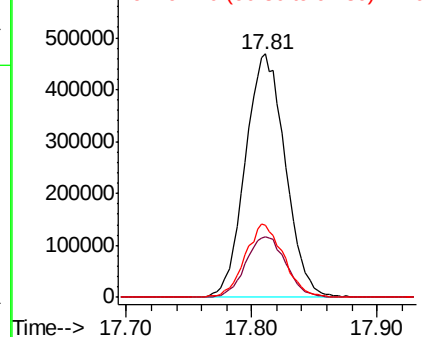


Abundance

Ion 119.10 (118.80 to 119.80): V

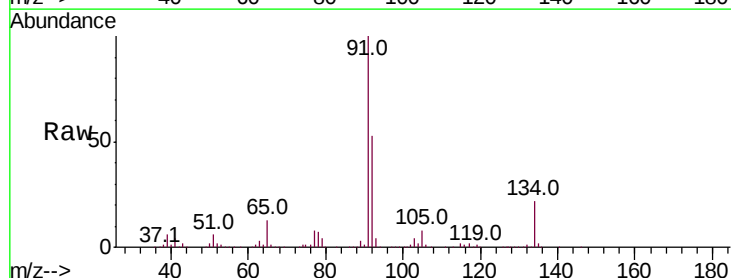
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70
n-Butylbenzene
Concen: 2.216 ppbv
RT: 18.71 min Scan# 4906
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.1	42.6	63.8
134	21.6	18.1	27.1

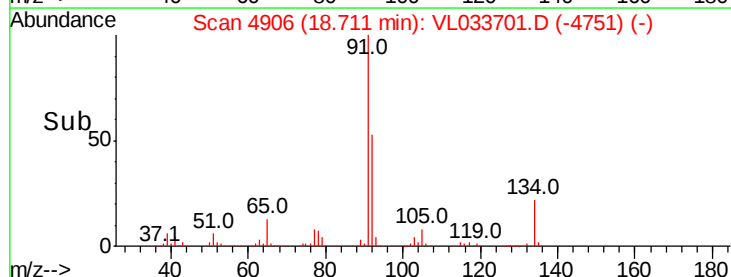
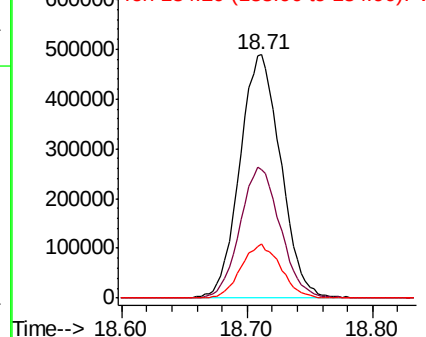


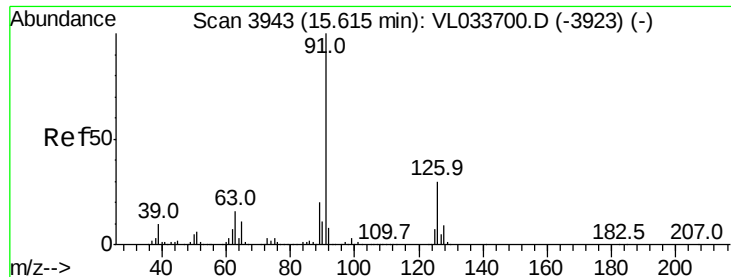
Abundance

Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 2.153 ppbv

RT: 15.61 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VL033701.D

Acq: 17 May 2019 2:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 711362

Ion Ratio Lower Upper

91 100

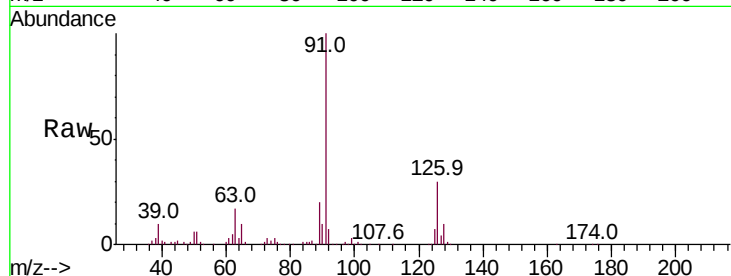
126 29.7 12.0 47.8

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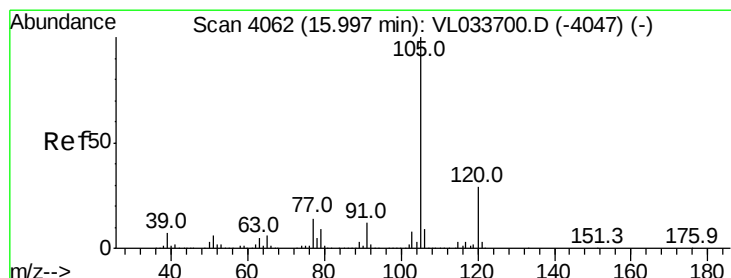
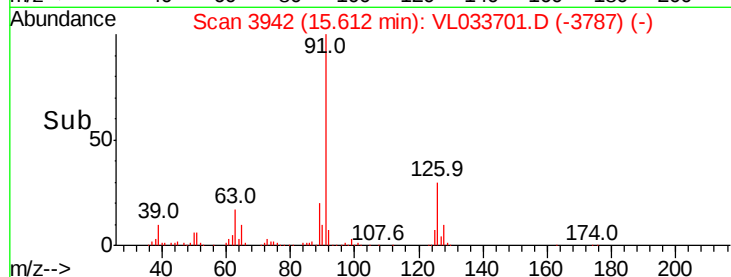
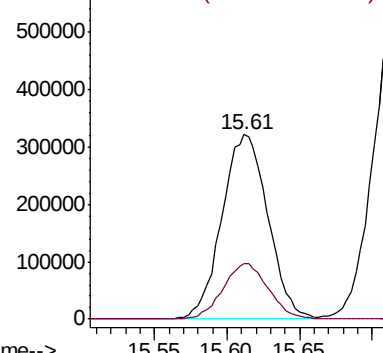
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 2.090 ppbv

RT: 16.00 min Scan# 4062

Delta R.T. 0.00 min

Lab File: VL033701.D

Acq: 17 May 2019 2:40

Tgt Ion:105 Resp: 803125

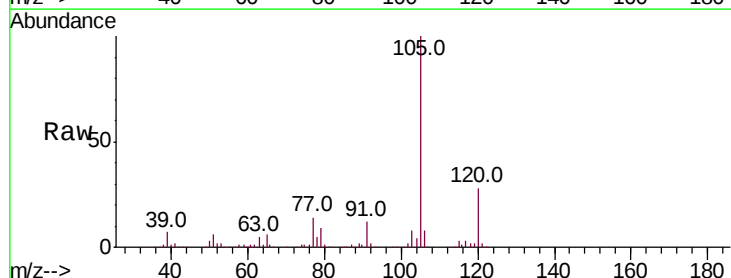
Ion Ratio Lower Upper

105 100

120 29.3 23.1 34.7

91 13.6 10.4 15.6

77 14.9 11.0 16.6

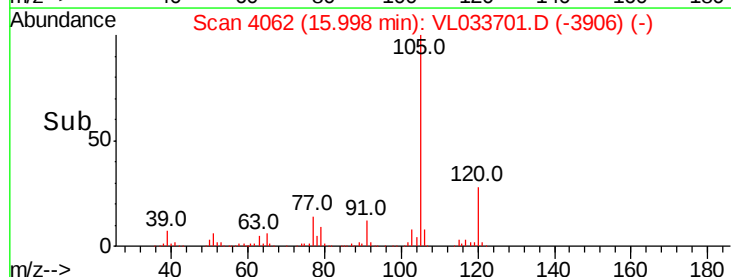
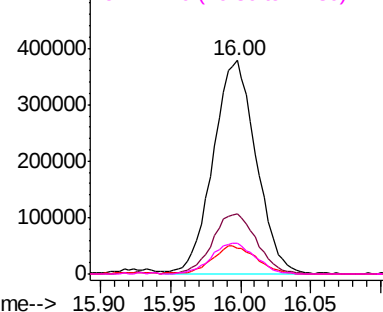


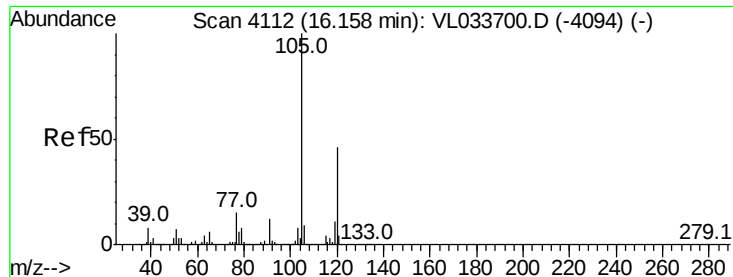
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 2.116 ppbv

RT: 16.15 min Scan# 4110

Delta R.T. -0.01 min

Lab File: VL033701.D

Acq: 17 May 2019 2:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 785424

Ion Ratio Lower Upper

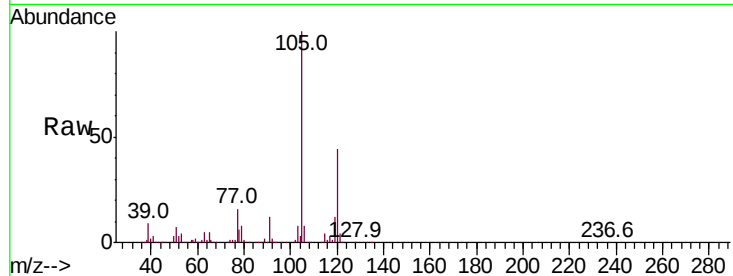
105 100

120 44.1 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

400000

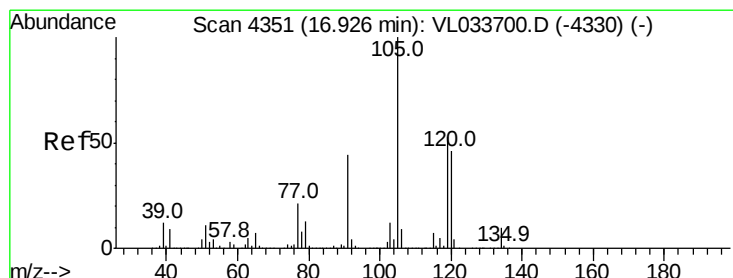
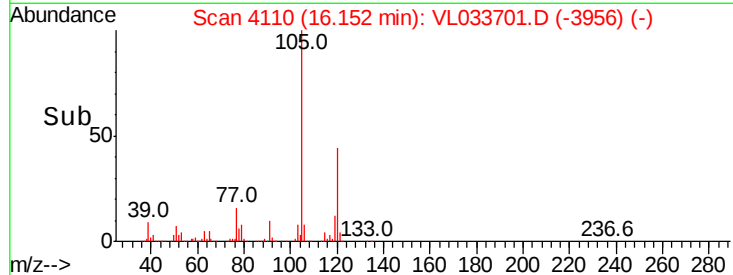
300000

200000

100000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 2.059 ppbv

RT: 16.92 min Scan# 4350

Delta R.T. -0.00 min

Lab File: VL033701.D

Acq: 17 May 2019 2:40

Tgt Ion:105 Resp: 851815

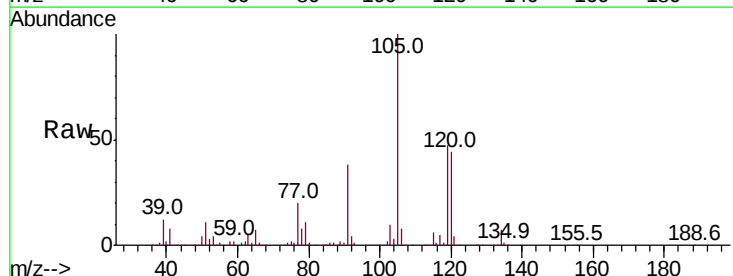
Ion Ratio Lower Upper

105 100

120 47.2 36.8 55.2

91 37.3 35.4 53.0

77 20.0 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): VLO

Ion 77.10 (76.80 to 77.80): VLO

600000

500000

400000

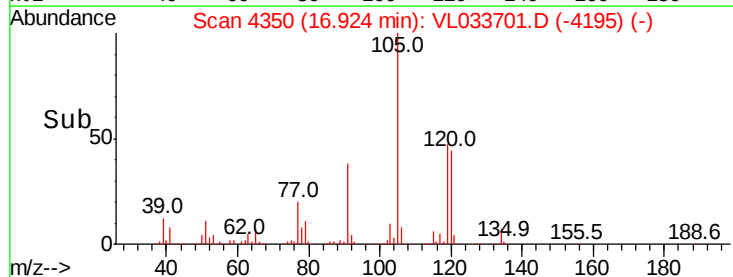
300000

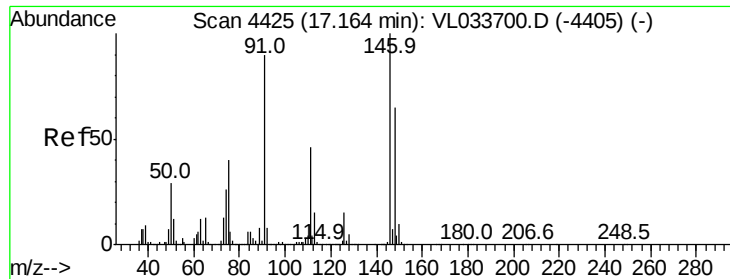
200000

100000

0

Time-->





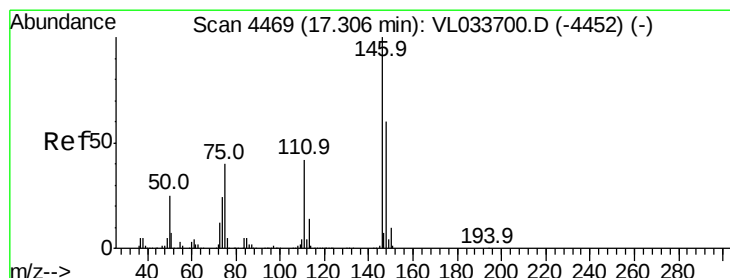
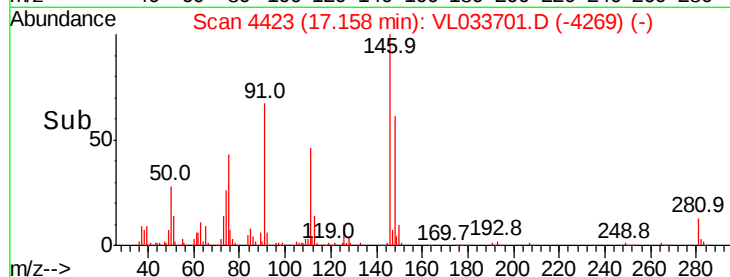
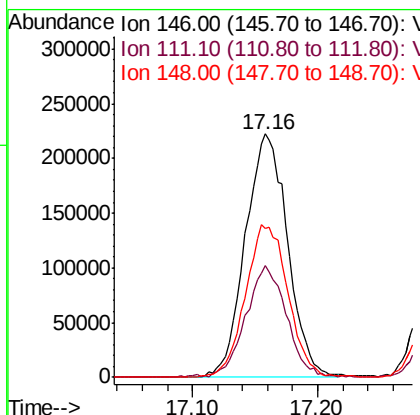
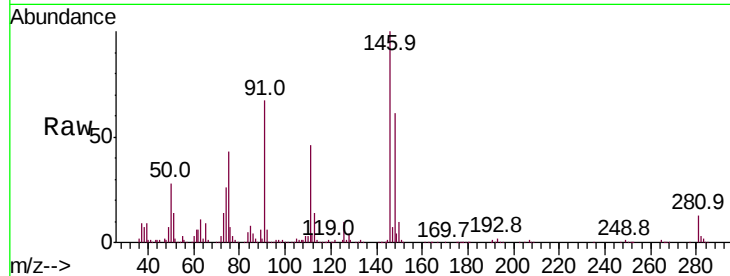
#75
 1,3-Dichlorobenzene
 Concen: 2.081 ppbv
 RT: 17.16 min Scan# 4423
 Delta R.T. -0.01 min
 Lab File: VL033701.D
 Acq: 17 May 2019 2:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.9	68.8
148	63.7	32.0	96.2

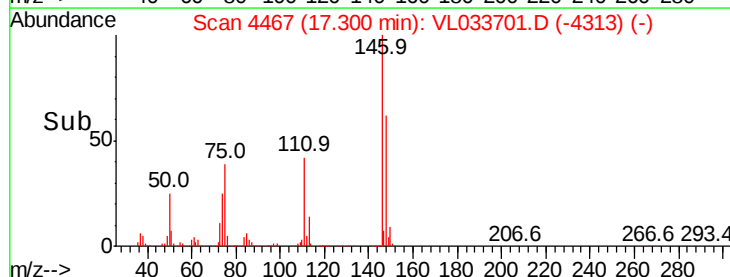
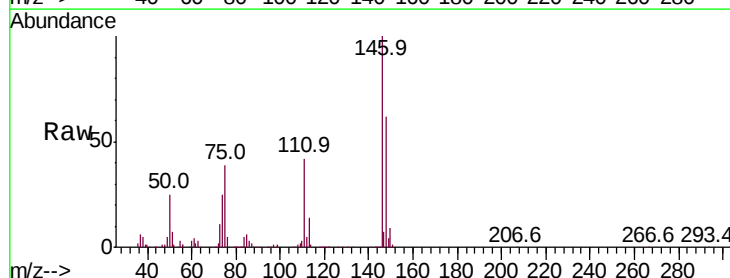
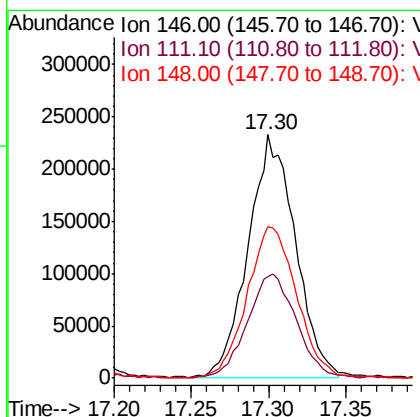
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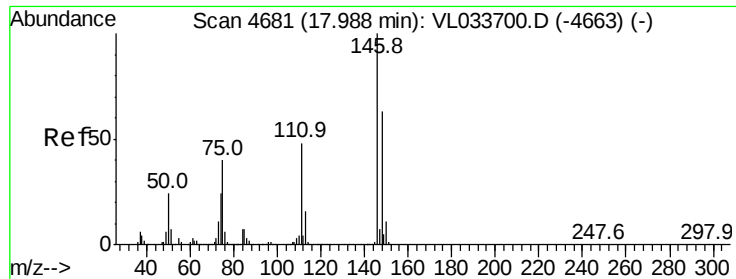
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#76
 1,4-Dichlorobenzene
 Concen: 2.079 ppbv
 RT: 17.30 min Scan# 4467
 Delta R.T. -0.01 min
 Lab File: VL033701.D
 Acq: 17 May 2019 2:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.9	65.8
148	66.6	32.1	96.3





#77

1,2-Dichlorobenzene

Concen: 2.109 ppbv

RT: 17.98 min Scan# 4680

Delta R.T. -0.00 min

Lab File: VL033701.D

Acq: 17 May 2019 2:40

Instrument :

MSVOA_L

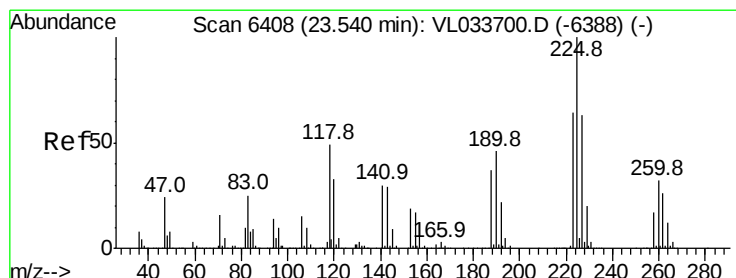
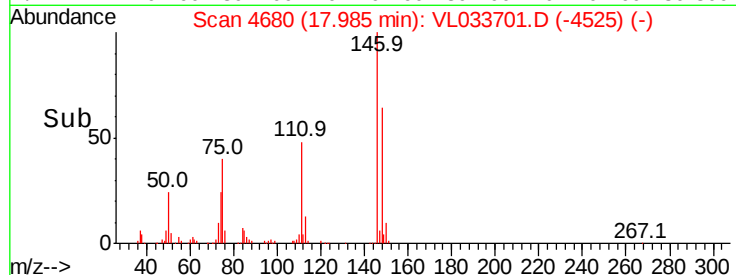
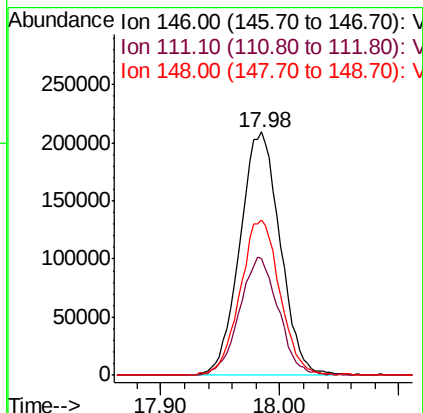
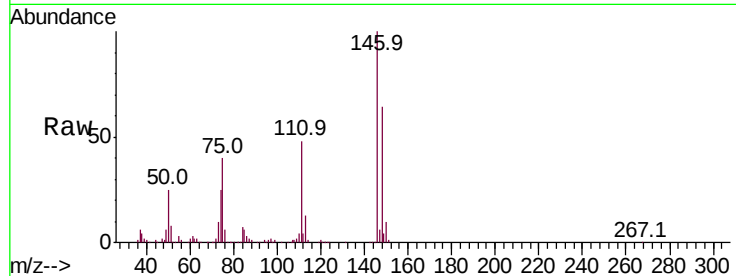
ClientSampleId :

VSTDIC002

Tot Ion:	146	Resp:	487518
Ion Ratio	Lower	Upper	
146	100		
111	47.2	23.5	70.5
148	63.6	32.1	96.3

Manual Integrations
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#78

Hexachloro-1,3-Butadiene

Concen: 1.999 ppbv

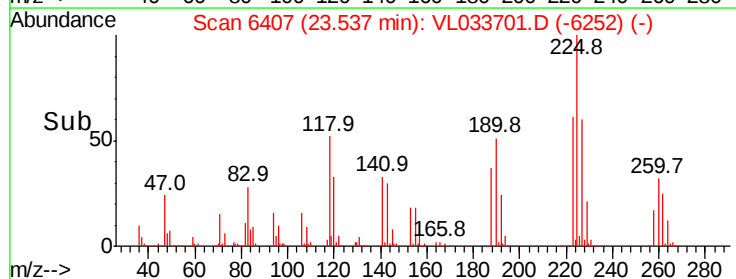
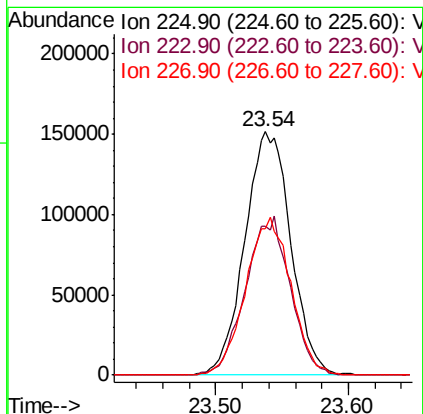
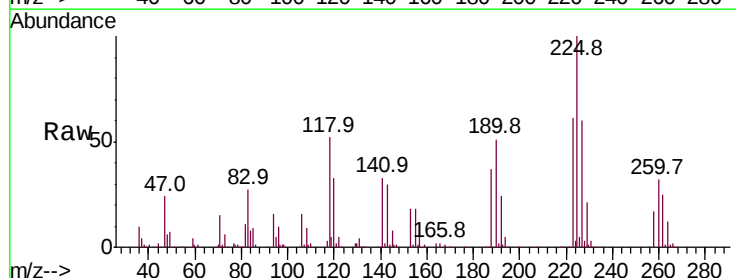
RT: 23.54 min Scan# 6407

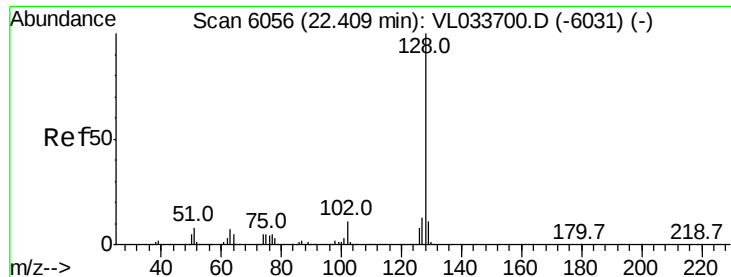
Delta R.T. -0.00 min

Lab File: VL033701.D

Acq: 17 May 2019 2:40

Tgt Ion:	225	Resp:	366482
Ion Ratio	Lower	Upper	
225	100		
223	63.2	50.2	75.4
227	63.7	50.7	76.1





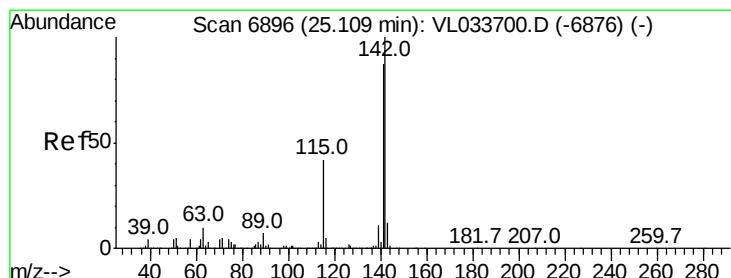
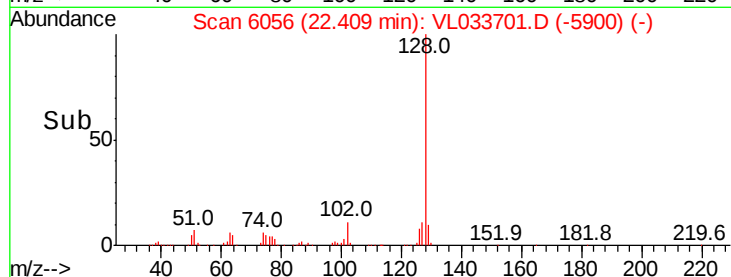
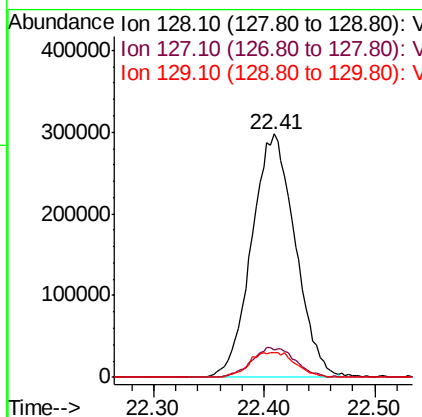
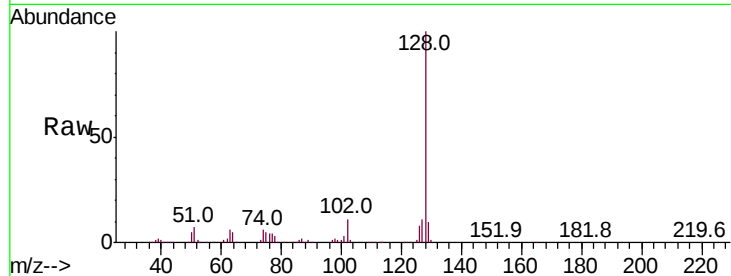
#79
Naphthalene
Concen: 2.148 ppbv
RT: 22.41 min Scan# 6056
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
128	100	811919		
127	11.3		10.6	16.0
129	10.3		8.9	13.3

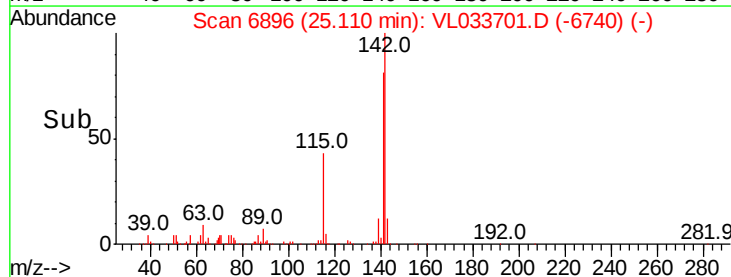
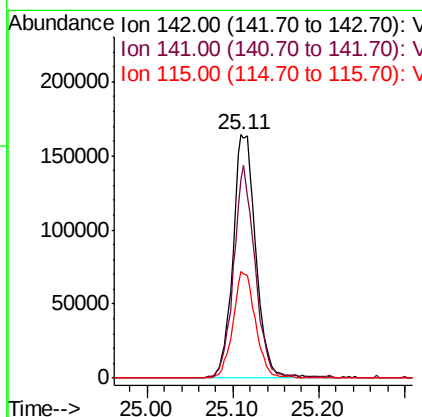
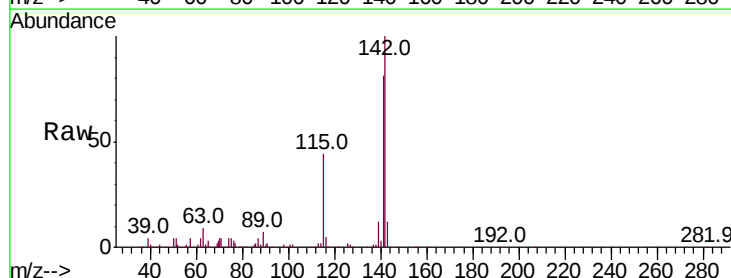
Manual Integrations
APPROVED

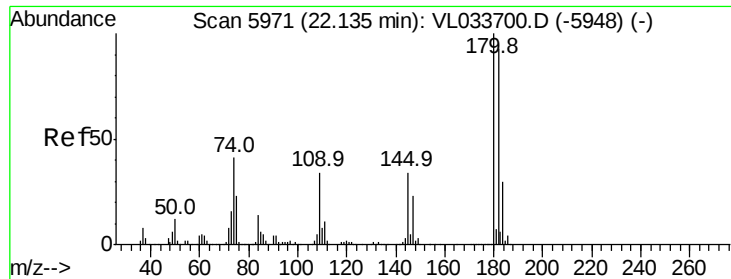
MMDadoda
5/20/2019 12:04:58 PM



#80
Naphthalene, 2-methyl-
Concen: 2.100 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	303145		
141	81.5		67.2	100.8
115	43.0		34.1	51.1





#81
 1,2,4-Trichlorobenzene
 Concen: 2.146 ppbv
 RT: 22.13 min Scan# 5969
 Delta R.T. -0.01 min
 Lab File: VL033701.D
 Acq: 17 May 2019 2:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.1	114.1
184	30.2	24.6	37.0

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 12:04:58 PM

