

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052819\
 Data File : VL033798.D
 Acq On : 28 May 2019 8:53
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

apatel
 5/29/2019 12:39:49 PM

Quant Time: May 29 08:52:15 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	940532	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2328813	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2367688m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1983300	10.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	1493442	7.535	ppbv	99
3) Chlorodifluoromethane	3.01	51	1003829	9.318	ppbv	100
4) Chloromethane	3.17	50	613087	9.950	ppbv	97
5) Vinyl Chloride	3.29	62	610572	9.727	ppbv	97
6) Bromomethane	3.51	94	381082	9.950	ppbv	97
7) Chloroethane	3.60	64	225346	10.102	ppbv	93
8) Dichlorotetrafluoroethane	3.22	85	1537853	9.624	ppbv	99
9) Propene	3.03	41	474719	10.360	ppbv	98
10) Heptane	8.24	43	1391101	10.720	ppbv	100
11) Trichlorofluoromethane	4.00	101	1736879	9.181	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1187926	8.992	ppbv	98
13) Ethanol	3.65	45	86646	5.850	ppbv	99
14) Bromoethene	3.78	108	508474	10.470	ppbv	97
15) Acetone	3.90	43	1107246	8.485	ppbv	100
16) 1,3-Butadiene	3.36	39	530494	10.209	ppbv	99
17) tert-Butyl alcohol	4.35	59	1043654	9.891	ppbv	100
18) 1,1-Dichloroethene	4.35	96	531778	9.537	ppbv	99
19) Isopropyl Alcohol	4.02	45	739996	8.795	ppbv	100
20) Methylene Chloride	4.40	84	450703	8.970	ppbv	95
21) Allyl Chloride	4.47	41	767489	9.429	ppbv	98
22) trans-1,2-Dichloroethene	4.96	96	548947	9.605	ppbv	97
23) Vinyl Acetate	5.15	43	1785907	10.380	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1261744	9.647	ppbv	99
25) Ethyl Acetate	5.76	43	2141575	9.342	ppbv	100
26) Hexane	5.78	57	957358	9.715	ppbv	99
27) Carbon Disulfide	4.61	76	1326250	9.809	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1702937	10.600	ppbv	99
29) Chloroform	5.84	83	1606486	8.850	ppbv	100
30) Cyclohexane	7.24	84	834743	10.075	ppbv	97
31) cis-1,2-Dichloroethene	5.64	61	973645	9.964	ppbv	93
32) 1,1,1-Trichloroethane	6.61	97	1666243	9.193	ppbv	99
34) 2-Butanone	5.32	43	1423353	9.860	ppbv	99
35) Carbon Tetrachloride	7.13	117	1733596	9.293	ppbv	99
36) Benzene	7.00	78	2039197	9.626	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1213418	8.880	ppbv	99
38) Trichloroethene	7.96	130	813718	10.352	ppbv	98
39) 1,2-Dichloropropane	7.73	63	756599	9.580	ppbv	96
40) 1,4-Dioxane	7.95	88	294475	8.913	ppbv #	96
41) Tetrahydrofuran	6.14	42	795911	9.841	ppbv	98
42) Bromodichloromethane	7.91	83	1759940	9.407	ppbv	96
43) Methyl Methacrylate	8.13	69	906249	11.624	ppbv	98

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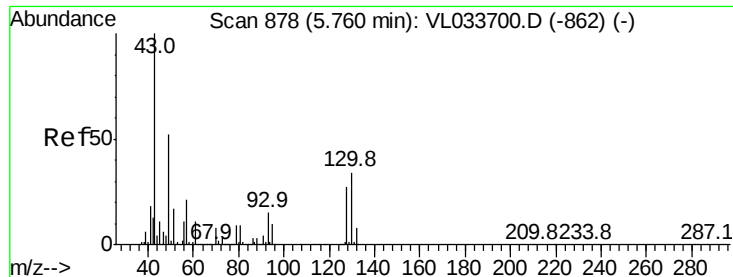
apatel
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 1
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.98	57	3336298	9.319	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	1095428	11.083	ppbv	98
46) cis-1,3-Dichloropropene	8.83	75	1239626	10.711	ppbv	97
47) 1,1,2-Trichloroethane	9.61	97	864295	9.633	ppbv	98
48) Dibromochloromethane	10.45	129	1554084	9.996	ppbv	100
49) Bromoform	13.20	173	1527307	11.676	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	2154659	9.704	ppbv	100
51) 2-Hexanone	10.26	43	1757695	10.143	ppbv #	99
52) Tetrachloroethene	11.37	164	792894	10.648	ppbv	98
53) Toluene	9.94	91	2444300	10.698	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1341406	9.797	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.27	131	1044021	9.529	ppbv	97
57) Chlorobenzene	12.29	112	1840602	9.444	ppbv	98
58) Ethyl Benzene	12.86	91	3599787	11.481	ppbv	99
59) m/p-Xylene	13.15	91	5917729m	21.591	ppbv	
60) o-Xylene	13.84	91	2940687	10.643	ppbv	99
61) Styrene	13.68	104	2273083	12.220	ppbv	99
62) Isopropylbenzene	14.82	105	3895448	10.469	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	2051506	10.210	ppbv	100
64) n-propylbenzene	15.72	120	1034154	10.745	ppbv	98
65) tert-Butylbenzene	16.90	119	3591409	10.572	ppbv	99
66) Benzyl Chloride	17.15	91	1801530	11.134	ppbv	99
67) sec-Butylbenzene	17.45	105	4973911	10.461	ppbv	100
69) p-Isopropyltoluene	17.81	119	4193135	10.669	ppbv	99
70) n-Butylbenzene	18.71	91	4412031	10.469	ppbv	100
71) 2-Chlorotoluene	15.61	91	3031113	10.980	ppbv	99
72) 4-Ethyltoluene	15.99	105	3553704	11.249	ppbv	100
73) 1,3,5-Trimethylbenzene	16.15	105	3314706	10.754	ppbv	95
74) 1,2,4-Trimethylbenzene	16.92	105	3459776	10.314	ppbv	97
75) 1,3-Dichlorobenzene	17.16	146	1997051	9.715	ppbv	99
76) 1,4-Dichlorobenzene	17.30	146	1976625	10.117	ppbv	99
77) 1,2-Dichlorobenzene	17.98	146	1932340	10.004	ppbv	99
78) Hexachloro-1,3-Butadiene	23.53	225	1053752	7.216	ppbv	100
79) Naphthalene	22.41	128	2641436	8.478	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	1016448	8.586	ppbv	99
81) 1,2,4-Trichlorobenzene	22.13	180	1521849	8.341	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.00 min

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MSVOA_L

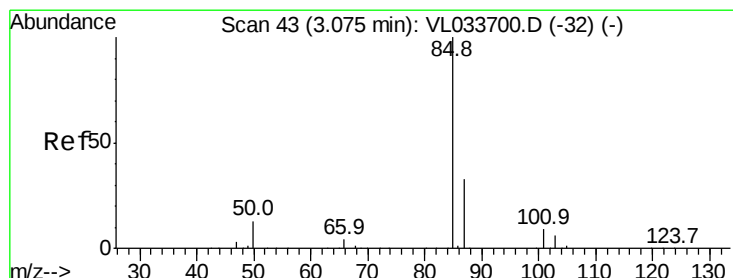
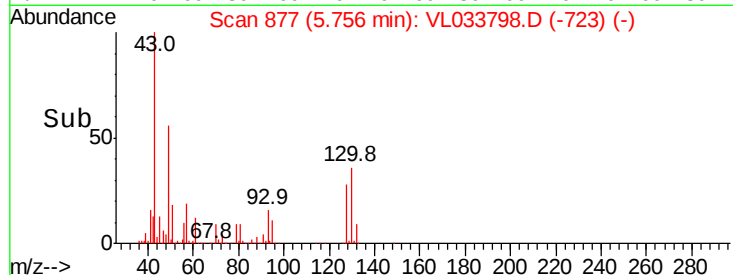
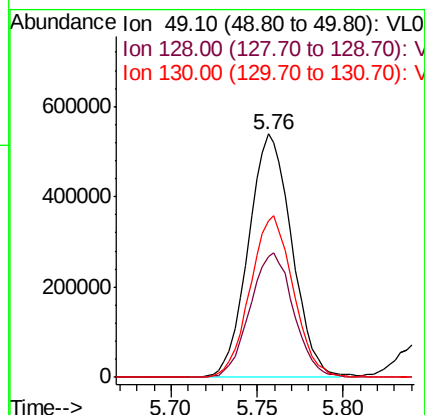
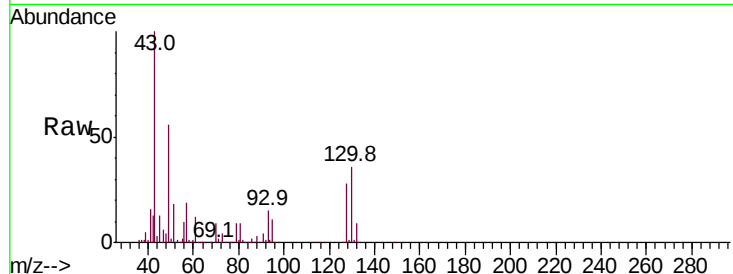
ClientSampleId :

VSTDCCC010

Tot Ion	Ratio	Lower	Upper
49	100		
128	51.5	25.2	75.6
130	66.1	32.5	97.5

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 7.535 ppbv

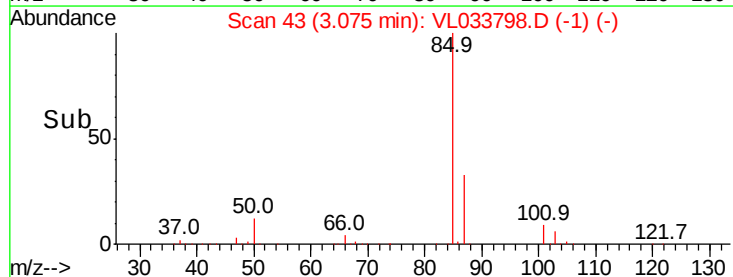
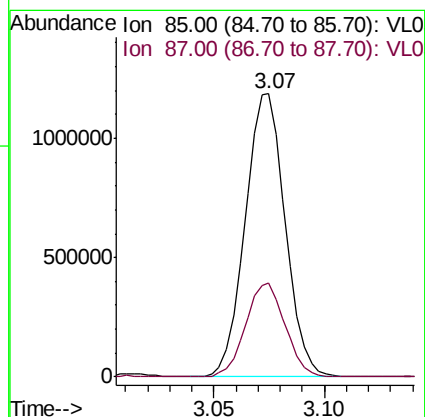
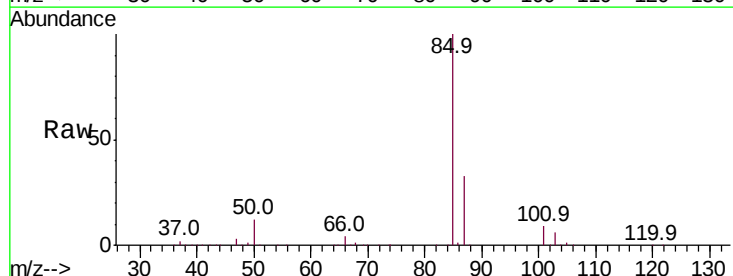
RT: 3.07 min Scan# 43

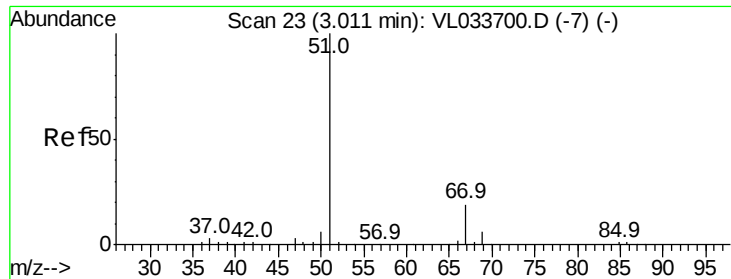
Delta R.T. -0.00 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.2	26.3	39.5





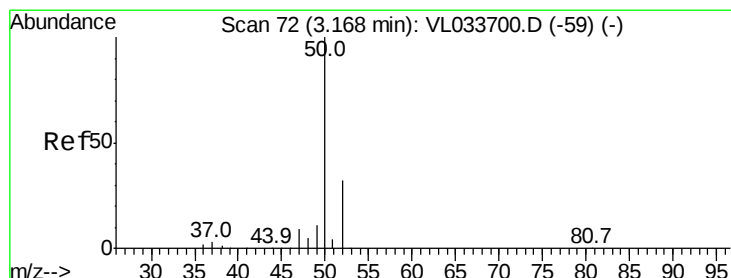
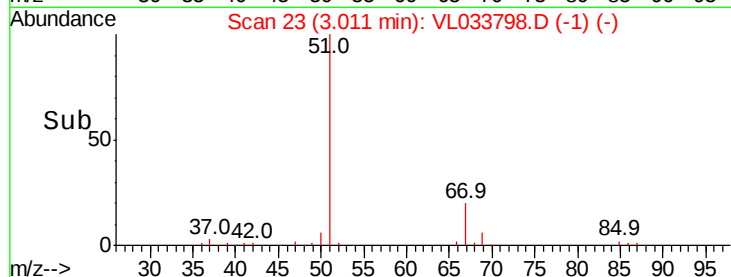
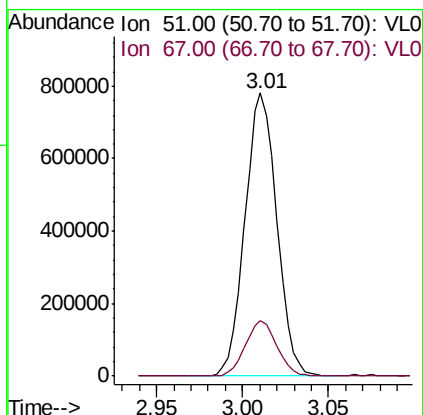
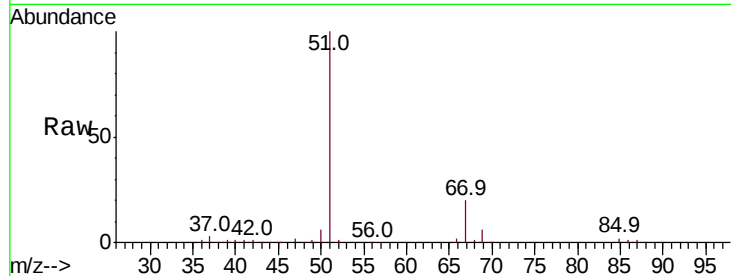
#3
Chlorodifluoromethane
Concen: 9.318 ppbv
RT: 3.01 min Scan# 23
Delta R.T. -0.00 min
Lab File: VL033798.D
Acq: 28 May 2019 8:53

Instrument :
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ClientSampleId :
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Tot Ion: 51 Resp: 1003829
Ion Ratio Lower Upper
51 100
67 19.6 15.6 23.4

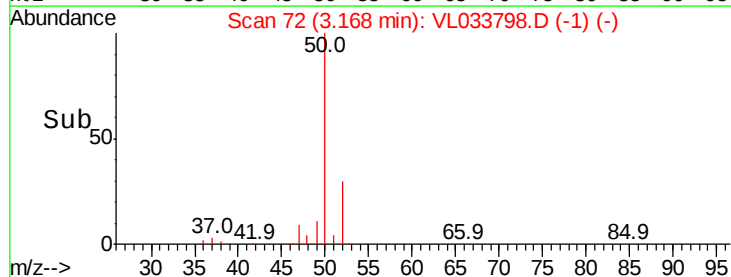
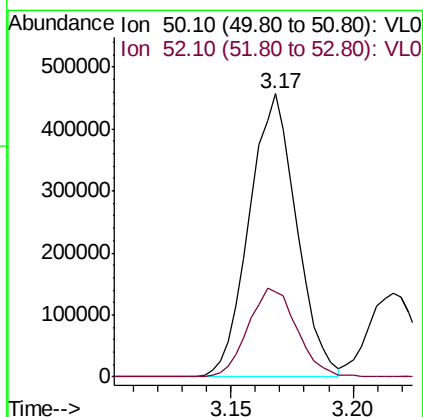
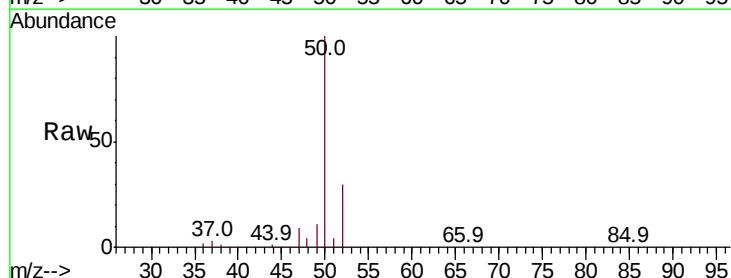
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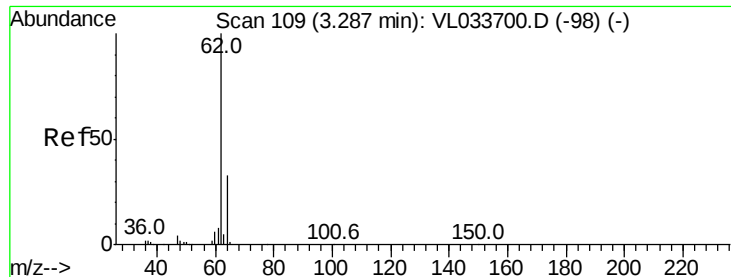
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#4
Chloromethane
Concen: 9.950 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL033798.D
Acq: 28 May 2019 8:53

Tgt Ion: 50 Resp: 613087
Ion Ratio Lower Upper
50 100
52 30.3 25.7 38.5





#5

Vinyl Chloride

Concen: 9.727 ppbv

RT: 3.29 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 610572

Ion Ratio Lower Upper

62 100

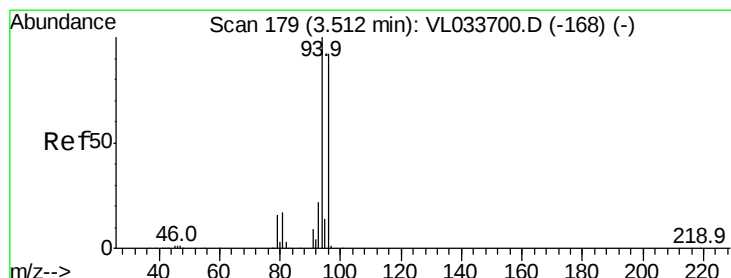
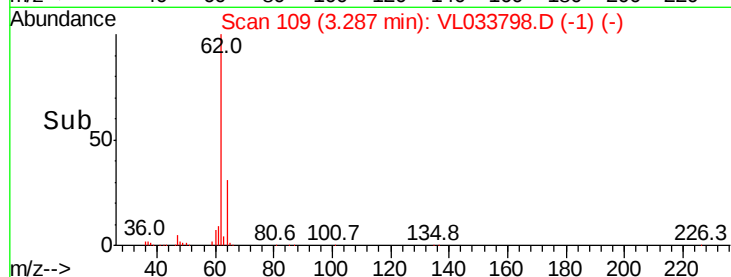
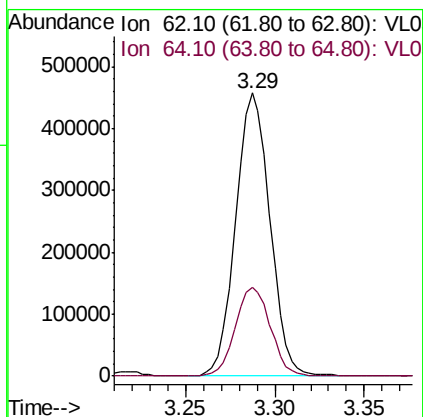
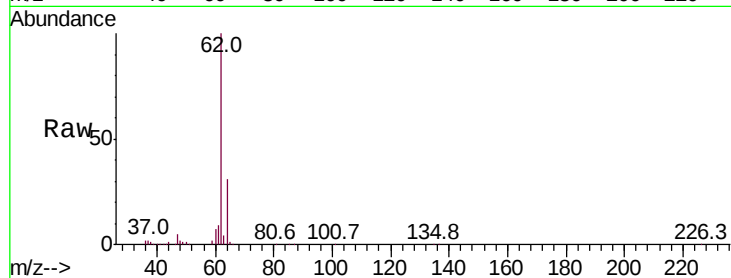
64 31.4 26.4 39.6

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#6

Bromomethane

Concen: 9.950 ppbv

RT: 3.51 min Scan# 178

Delta R.T. -0.00 min

Lab File: VL033798.D

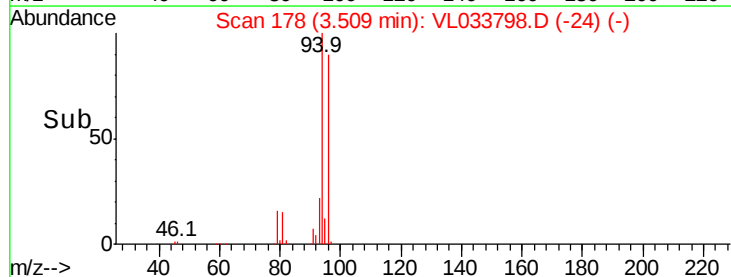
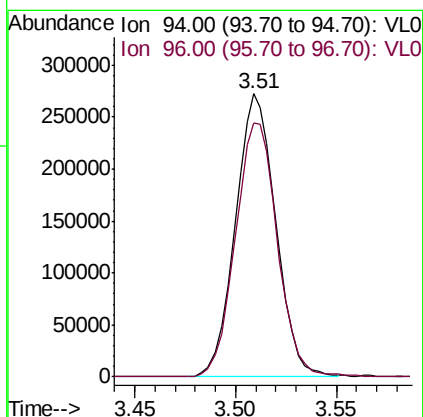
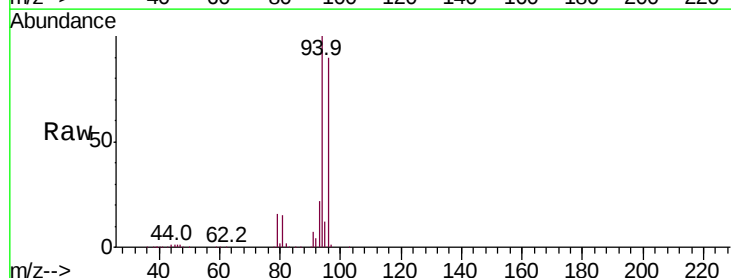
Acq: 28 May 2019 8:53

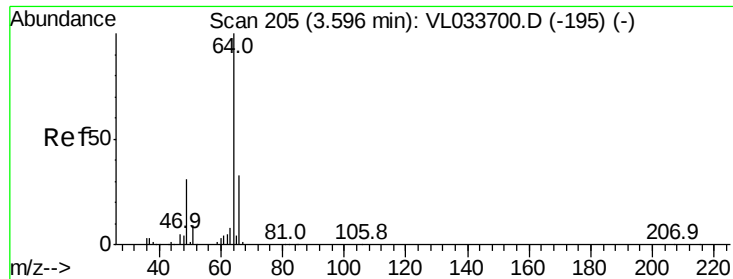
Tgt Ion: 94 Resp: 381082

Ion Ratio Lower Upper

94 100

96 89.5 73.6 110.4





#7

Chloroethane

Concen: 10.102 ppbv

RT: 3.60 min Scan# 205

Delta R.T. -0.00 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 225346

Ion Ratio Lower Upper

64 100

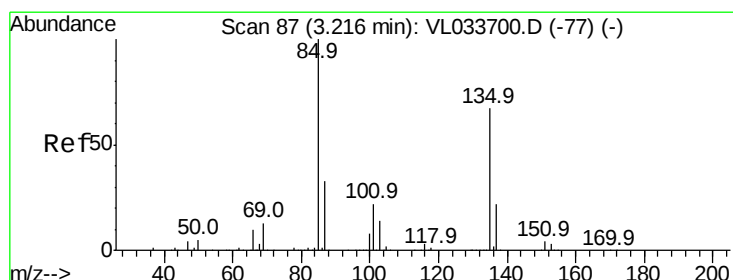
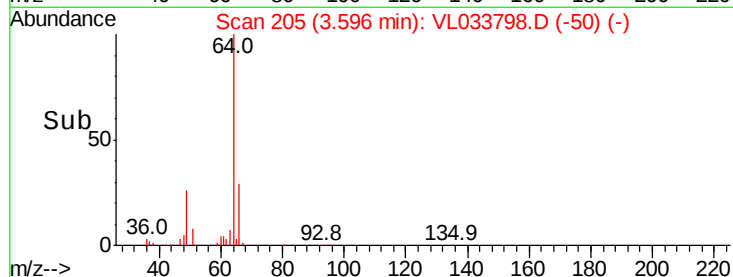
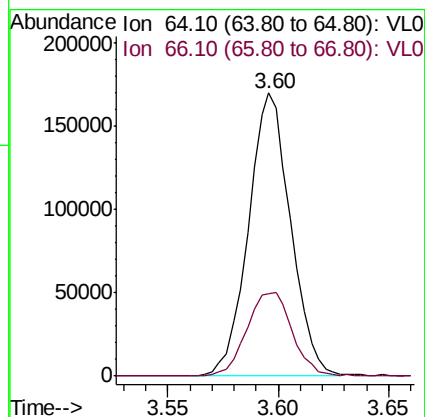
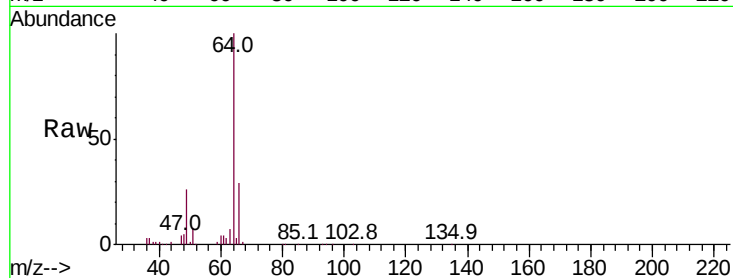
66 29.3 26.6 40.0

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#8

Dichlorotetrafluoroethane

Concen: 9.624 ppbv

RT: 3.22 min Scan# 87

Delta R.T. -0.00 min

Lab File: VL033798.D

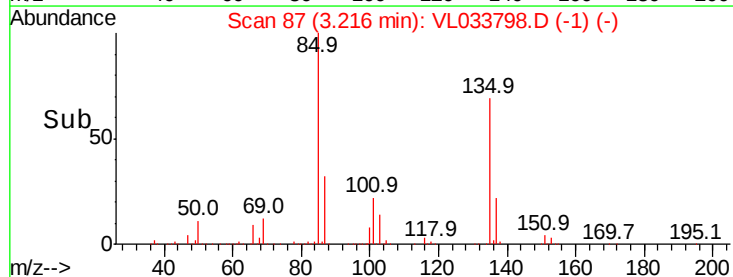
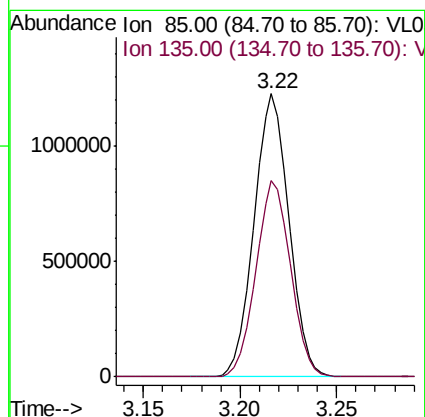
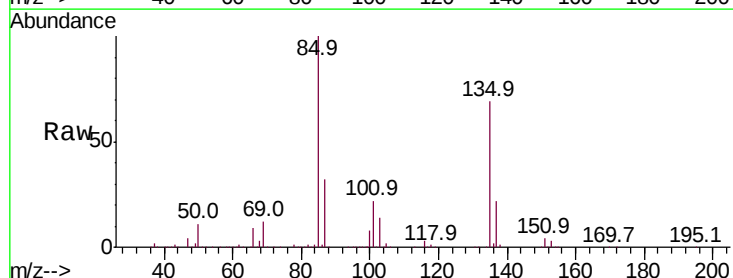
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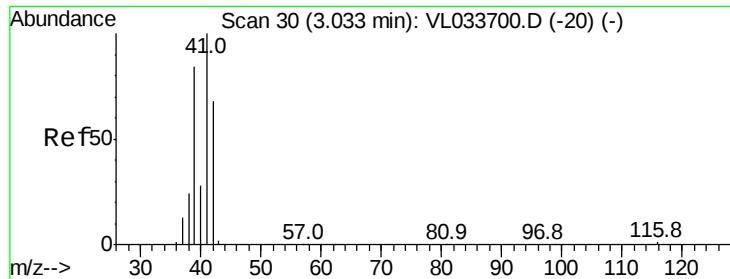
Tgt Ion: 85 Resp: 1537853

Ion Ratio Lower Upper

85 100

135 69.1 54.5 81.7





#9

Propene

Concen: 10.360 ppbv

RT: 3.03 min Scan# 30

Delta R.T. -0.00 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 474719

Ion Ratio Lower Upper

41 100

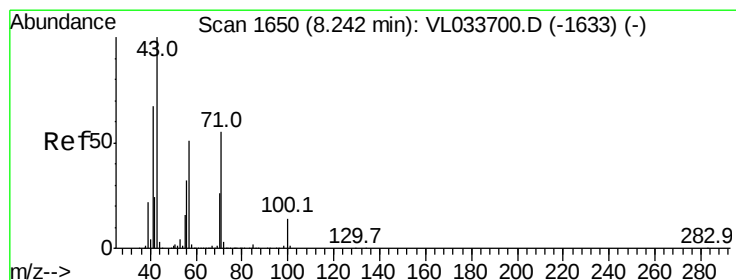
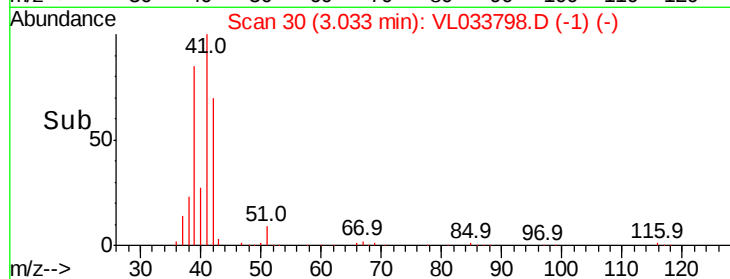
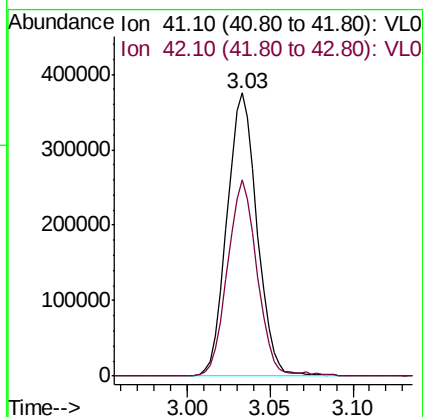
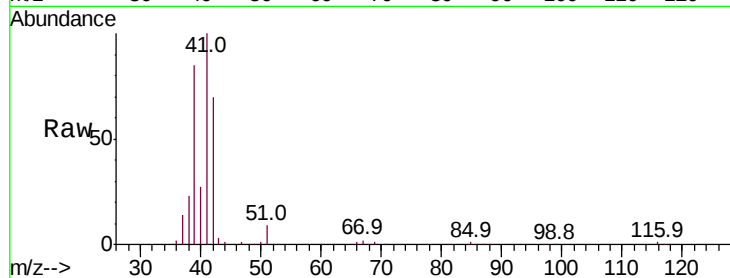
42 68.9 56.1 84.1

Manual Integrations

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#10

Heptane

Concen: 10.720 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VL033798.D

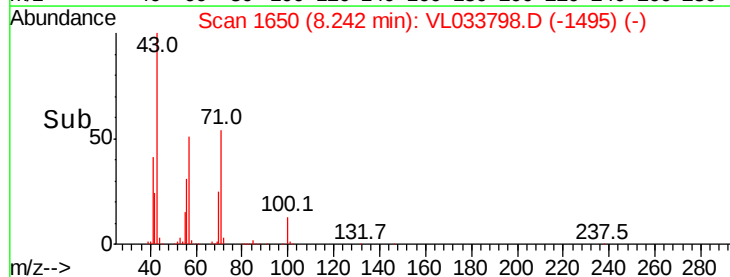
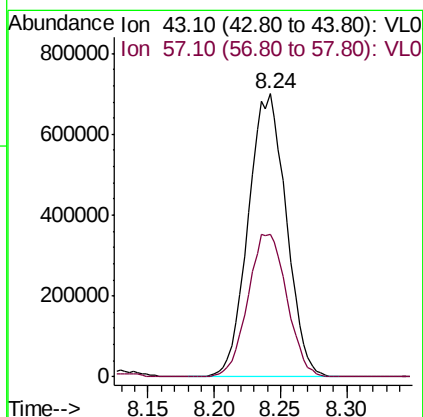
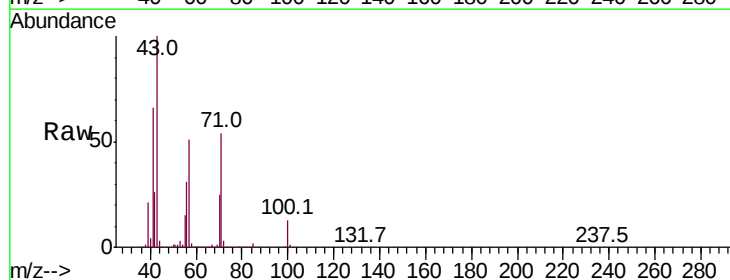
Acq: 28 May 2019 8:53

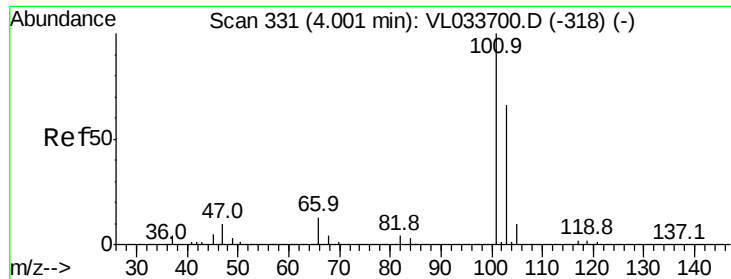
Tgt Ion: 43 Resp: 1391101

Ion Ratio Lower Upper

43 100

57 51.6 41.4 62.0





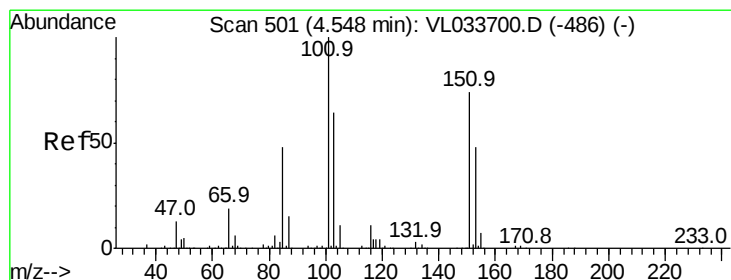
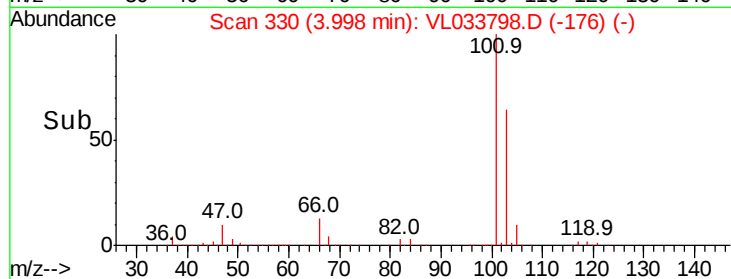
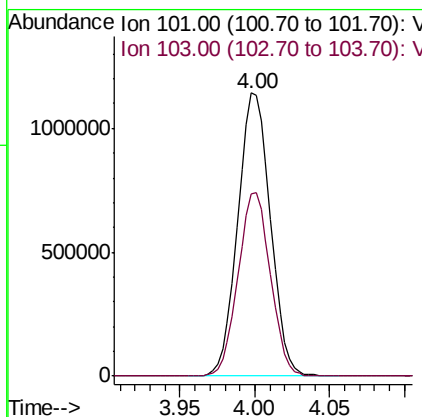
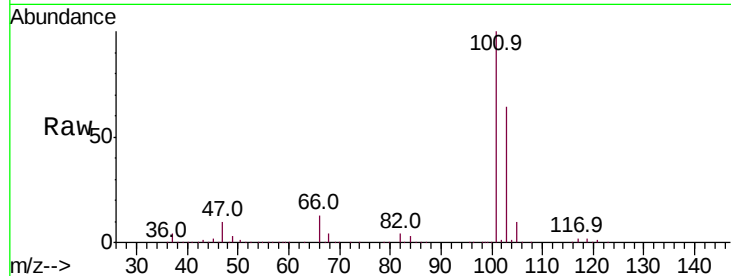
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 Trichlorofluoromethane
 Concen: 9.181 ppbv
 RT: 4.00 min Scan# 330
 Delta R.T. -0.00 min
 Lab File: VL033798.D
 Acq: 28 May 2019 8:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1736879
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.6 78.8

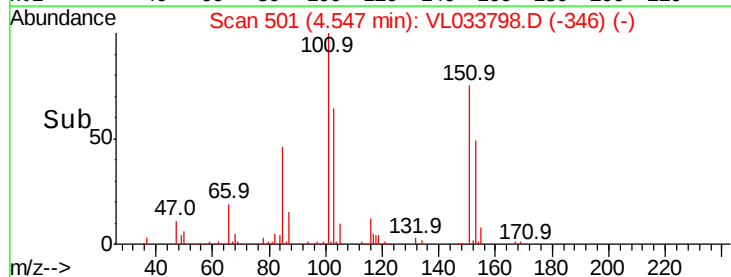
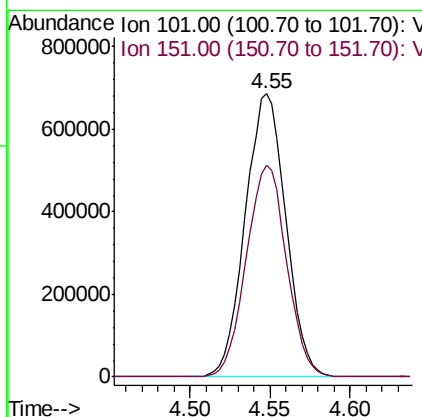
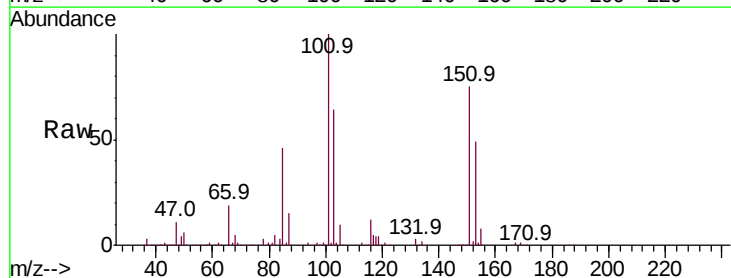
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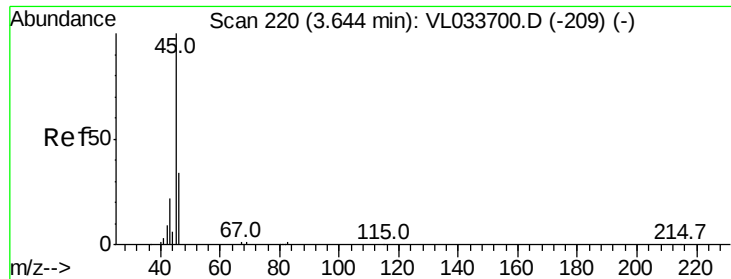
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.992 ppbv
 RT: 4.55 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VL033798.D
 Acq: 28 May 2019 8:53

Tgt Ion:101 Resp: 1187926
 Ion Ratio Lower Upper
 101 100
 151 74.5 58.2 87.4





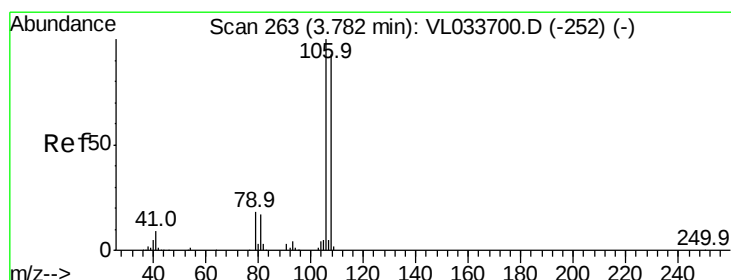
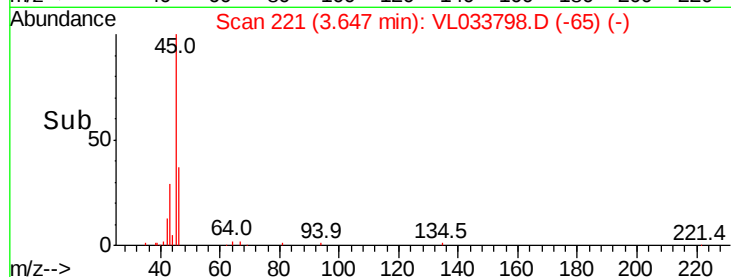
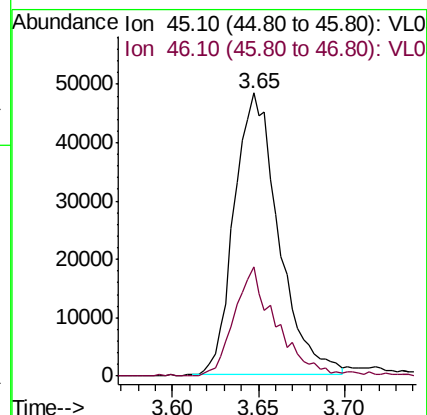
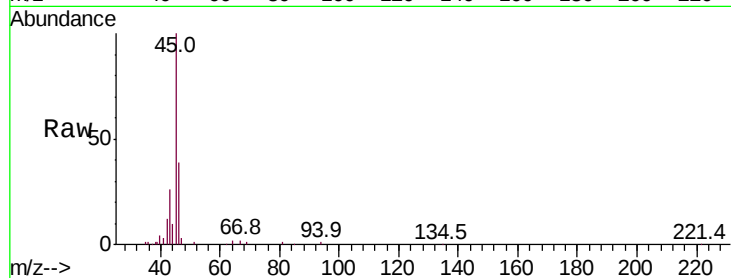
#13
Ethanol
Concen: 5.850 ppbv
RT: 3.65 min Scan# 221
Delta R.T. 0.00 min
Lab File: VL033798.D
Acq: 28 May 2019 8:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 86646
Ion Ratio Lower Upper
45 100
46 37.6 14.8 59.0

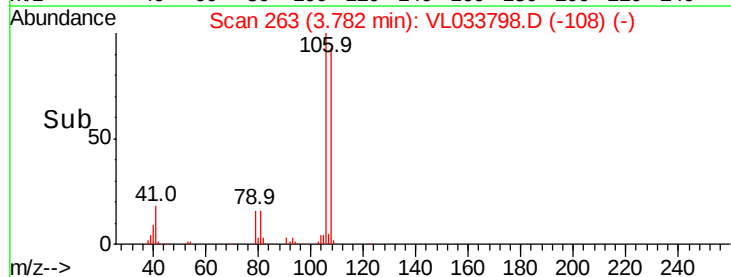
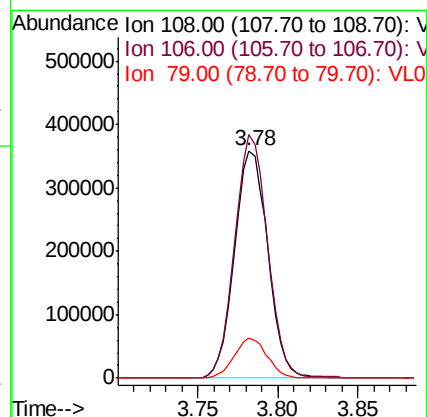
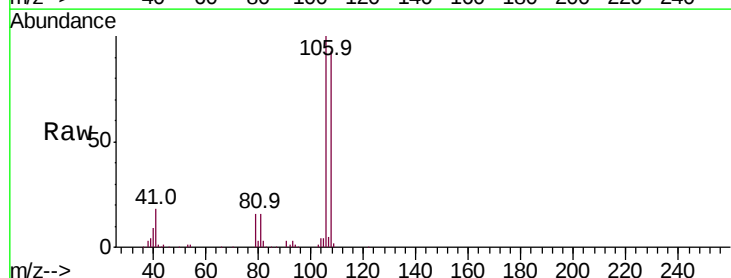
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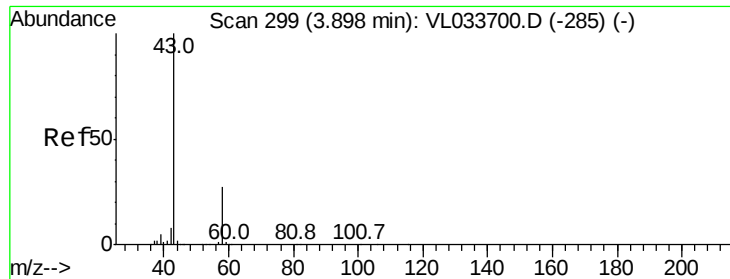
apatel
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#14
Bromoethene
Concen: 10.470 ppbv
RT: 3.78 min Scan# 263
Delta R.T. -0.00 min
Lab File: VL033798.D
Acq: 28 May 2019 8:53

Tgt Ion: 108 Resp: 508474
Ion Ratio Lower Upper
108 100
106 105.5 86.5 129.7
79 17.7 15.1 22.7





#15

Acetone

Concen: 8.485 ppbv

RT: 3.90 min Scan# 299

Delta R.T. -0.00 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1107246

Ion Ratio Lower Upper

43 100

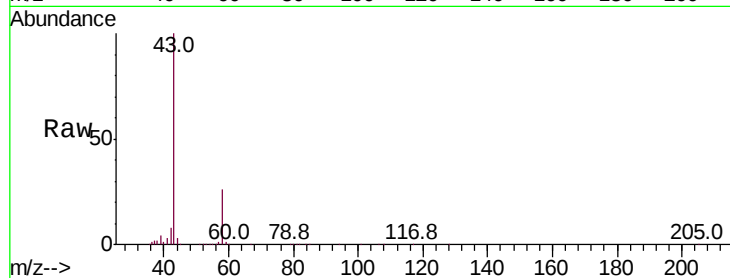
58 26.7 21.3 31.9

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.90

800000

600000

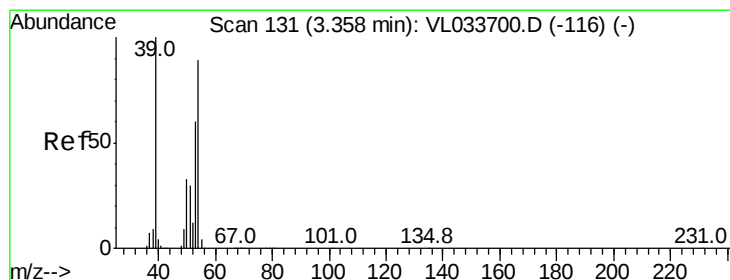
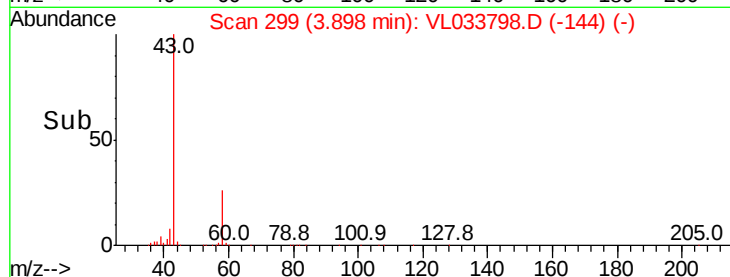
400000

200000

0

3.85 3.90 3.95

Time-->



#16

1,3-Butadiene

Concen: 10.209 ppbv

RT: 3.36 min Scan# 132

Delta R.T. 0.00 min

Lab File: VL033798.D

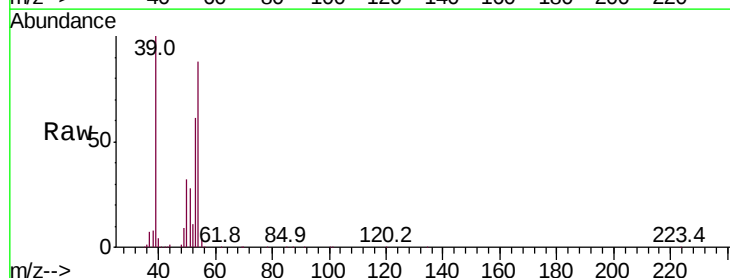
Acq: 28 May 2019 8:53

Tgt Ion: 39 Resp: 530494

Ion Ratio Lower Upper

39 100

54 87.0 69.0 103.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.36

400000

300000

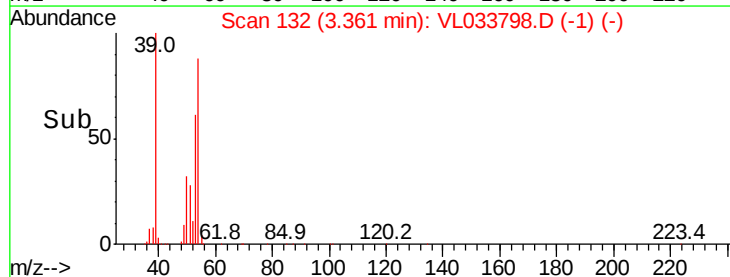
200000

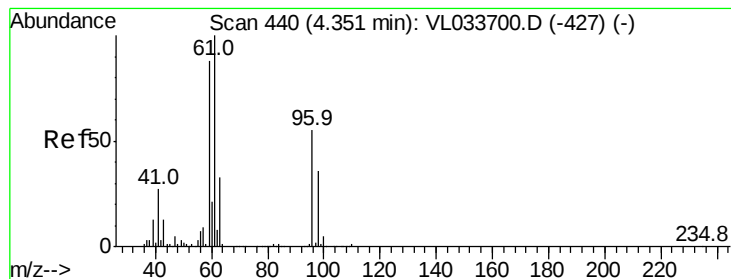
100000

0

3.30 3.35 3.40

Time-->





#17

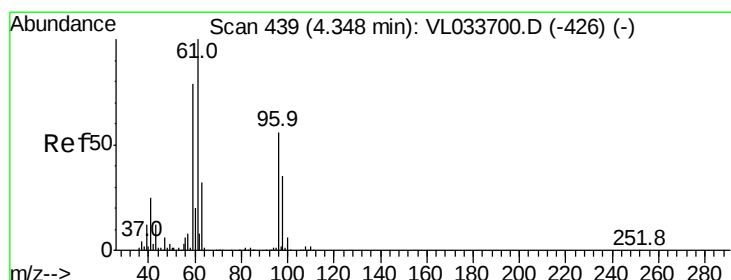
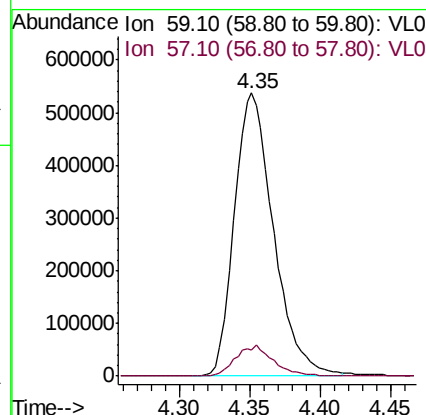
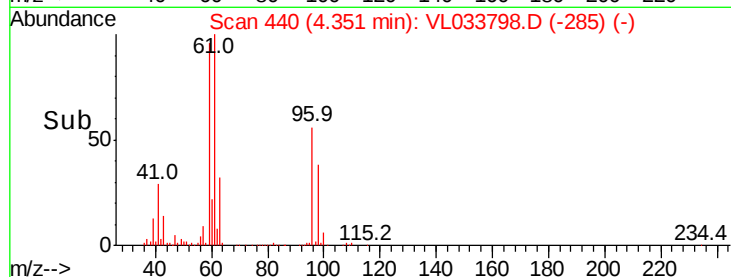
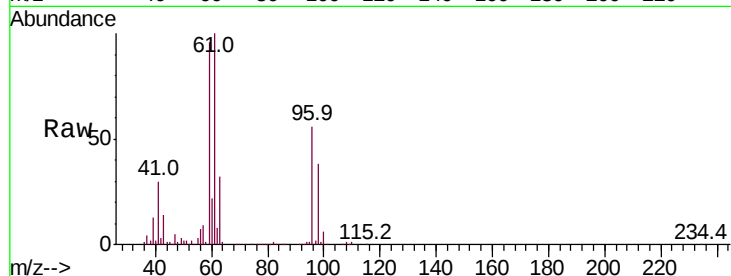
tert-Butyl alcohol
Concen: 9.891 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033798.D
Acq: 28 May 2019 8:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1043654
Ion Ratio Lower Upper
59 100
57 10.6 8.4 12.6

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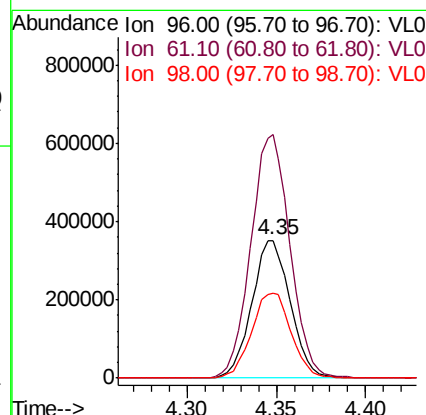
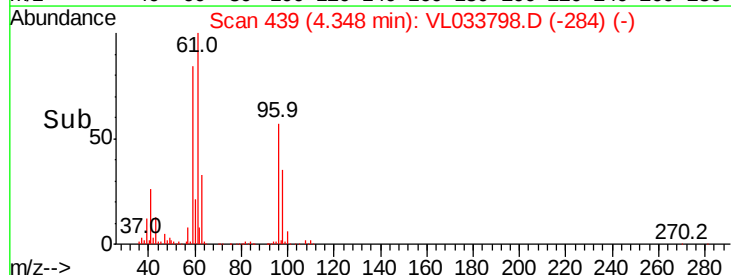
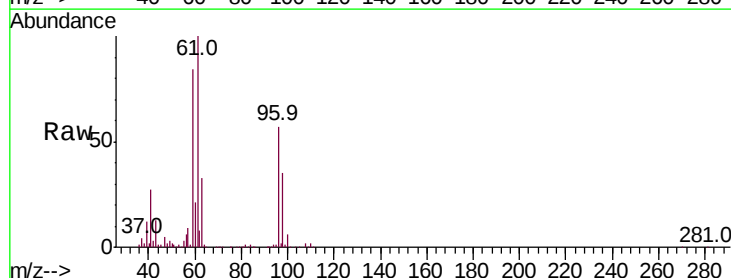
apatel
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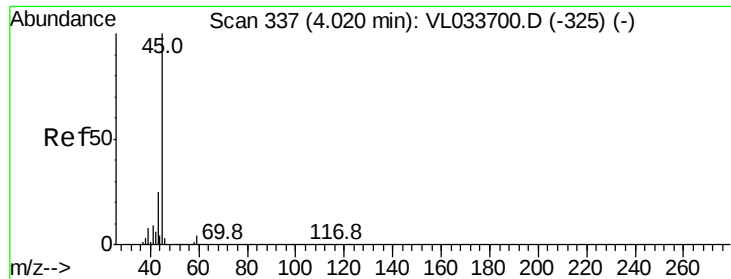


#18

1,1-Dichloroethene
Concen: 9.537 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.00 min
Lab File: VL033798.D
Acq: 28 May 2019 8:53

Tgt Ion: 96 Resp: 531778
Ion Ratio Lower Upper
96 100
61 176.8 143.1 214.7
98 62.1 49.5 74.3





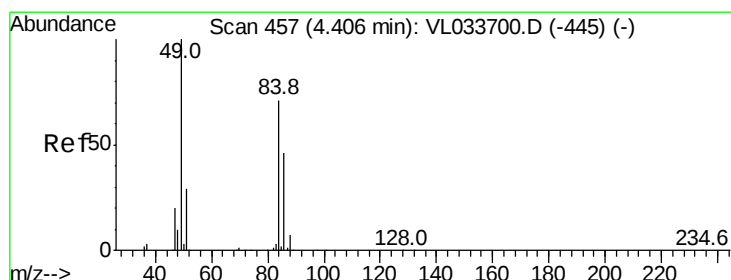
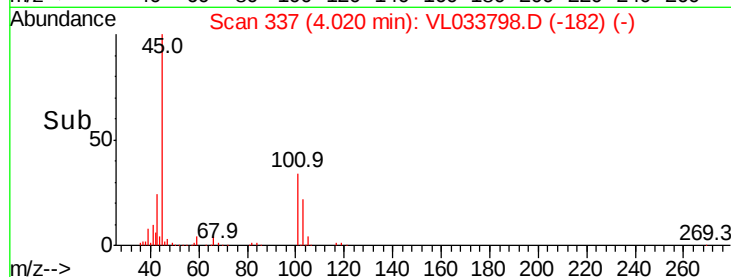
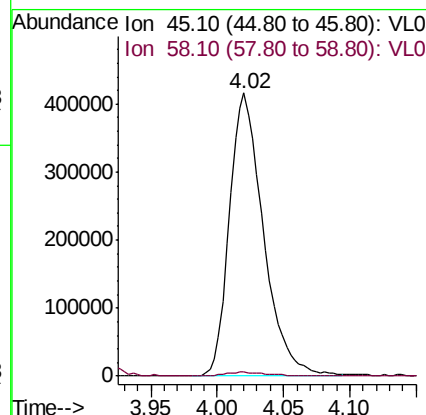
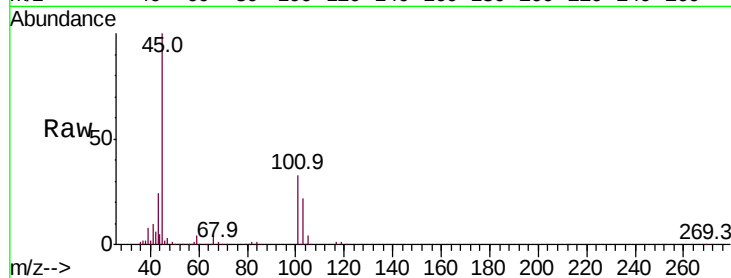
#19
Isopropyl Alcohol
Concen: 8.795 ppbv
RT: 4.02 min Scan# 337
Delta R.T. -0.00 min
Lab File: VL033798.D
Acq: 28 May 2019 8:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 739996
Ion Ratio Lower Upper
45 100
58 1.9 1.6 2.4

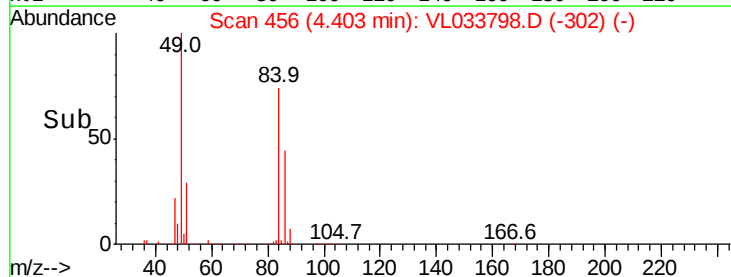
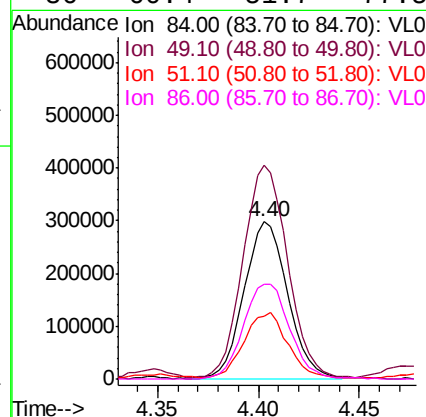
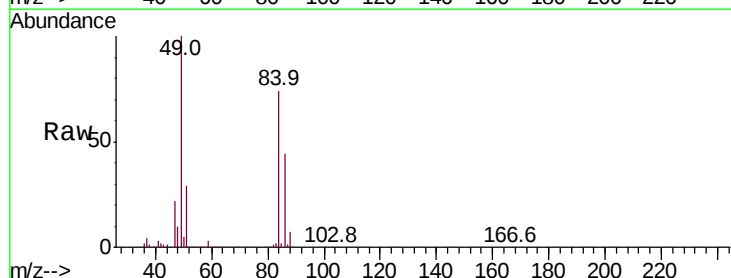
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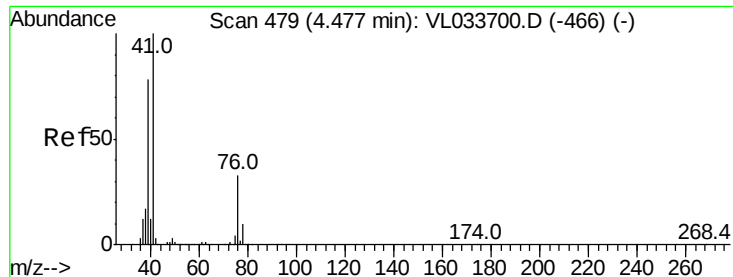
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#20
Methylene Chloride
Concen: 8.970 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033798.D
Acq: 28 May 2019 8:53

Tgt Ion: 84 Resp: 450703
Ion Ratio Lower Upper
84 100
49 135.1 112.8 169.2
51 38.6 33.4 50.0
86 60.4 51.7 77.5





#21

Allvl Chloride

Concen: 9.429 ppbv

RT: 4.47 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Instrument :

MSVOA_L

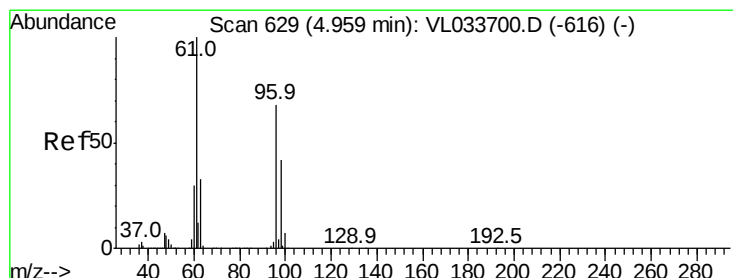
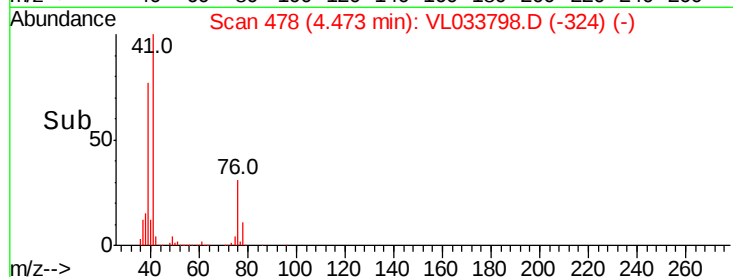
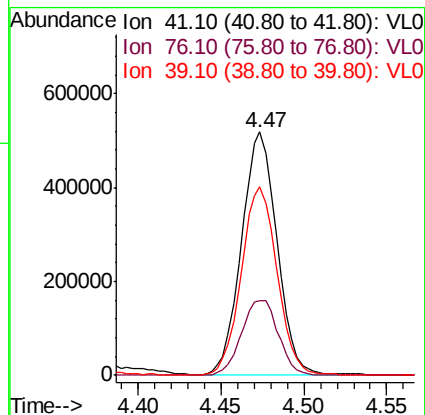
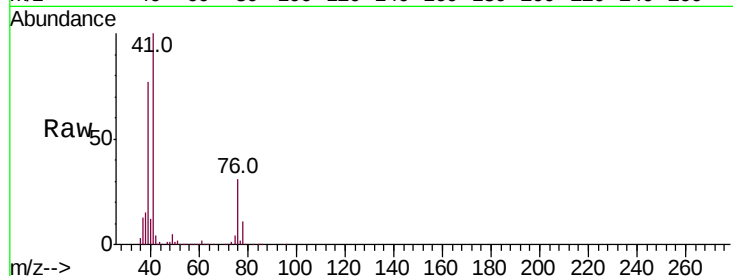
ClientSampleId :

VSTDCCC010

Tot Ion:	41	Resp:	767489
Ion Ratio	Lower	Upper	
41	100		
76	32.5	25.9	38.9
39	78.7	64.6	97.0

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#22

trans-1,2-Dichloroethene

Concen: 9.605 ppbv

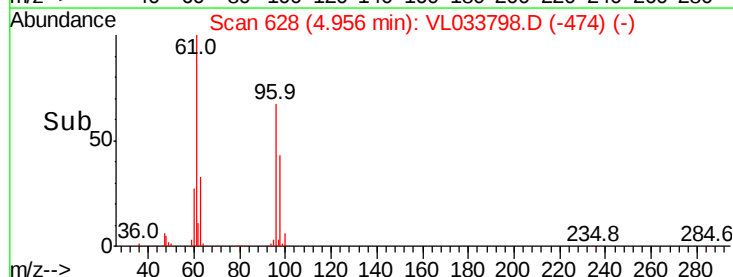
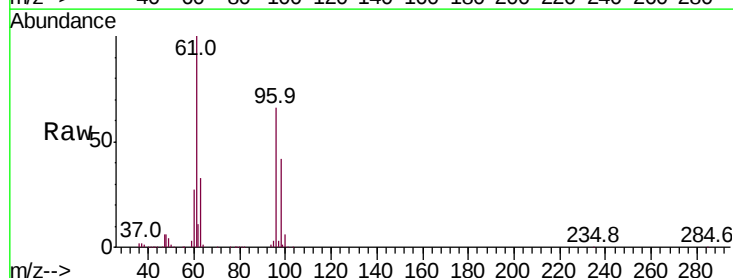
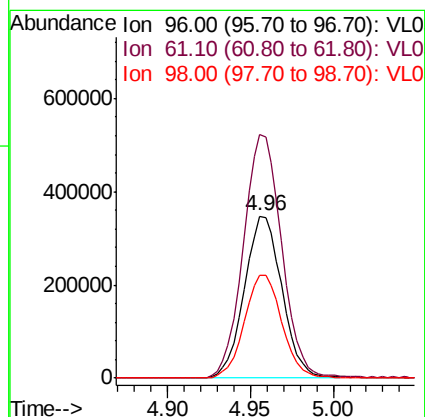
RT: 4.96 min Scan# 628

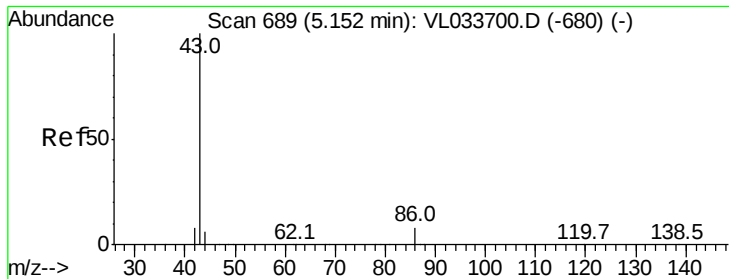
Delta R.T. -0.00 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Tgt Ion:	96	Resp:	548947
Ion Ratio	Lower	Upper	
96	100		
61	150.4	116.8	175.2
98	63.8	49.4	74.0





#23

Vinyl Acetate

Concen: 10.380 ppbv

RT: 5.15 min Scan# 689

Delta R.T. -0.00 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1785907

Ion Ratio Lower Upper

43 100

86 7.8 6.0 9.0

42 9.7 7.5 11.3

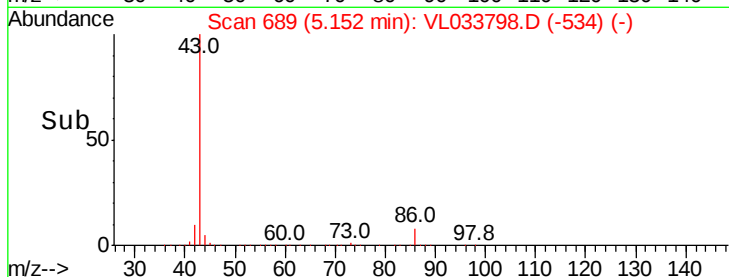
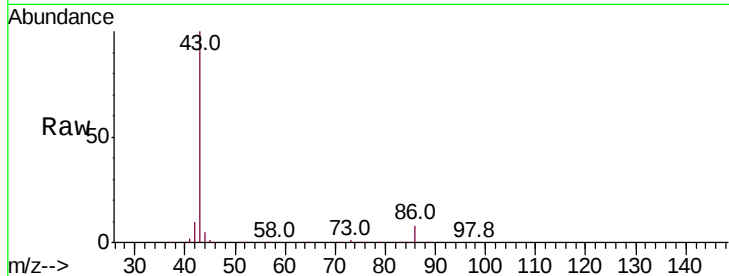
44 5.0 4.4 6.6

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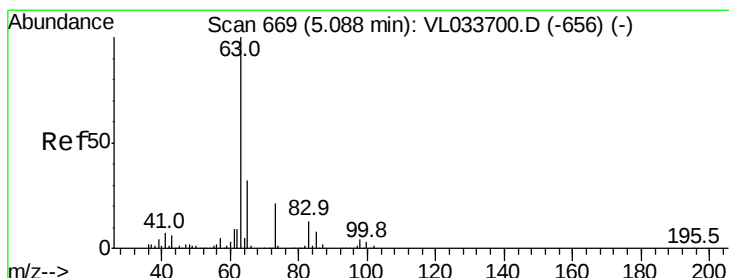
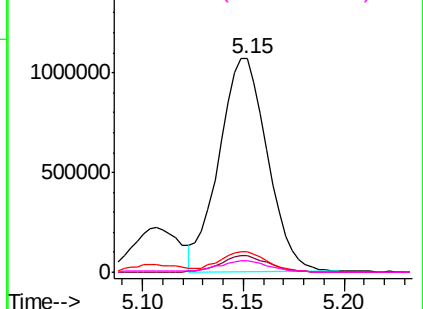


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.647 ppbv

RT: 5.09 min Scan# 669

Delta R.T. -0.00 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

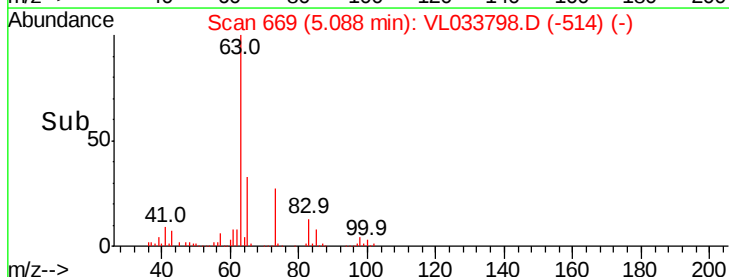
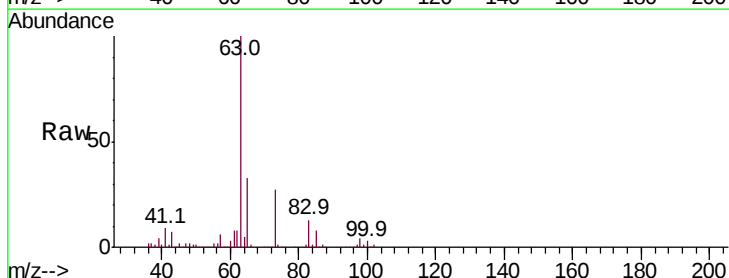
Tgt Ion: 63 Resp: 1261744

Ion Ratio Lower Upper

63 100

98 4.3 1.8 5.5

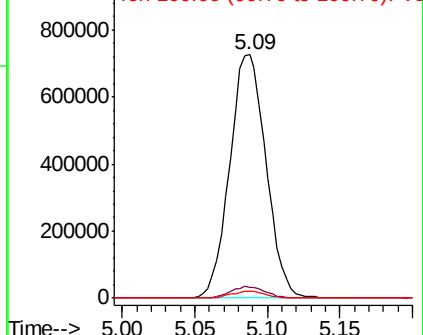
100 2.9 1.4 4.2

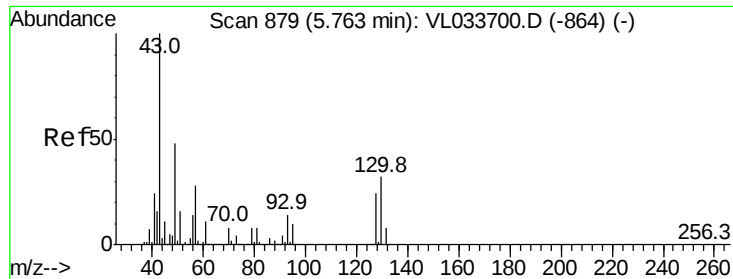


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.342 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2141575

Ion Ratio Lower Upper

43 100

45 10.1 7.9 11.9

61 9.7 7.7 11.5

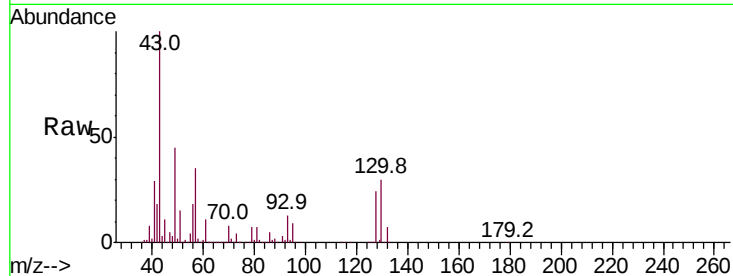
70 7.4 5.8 8.6

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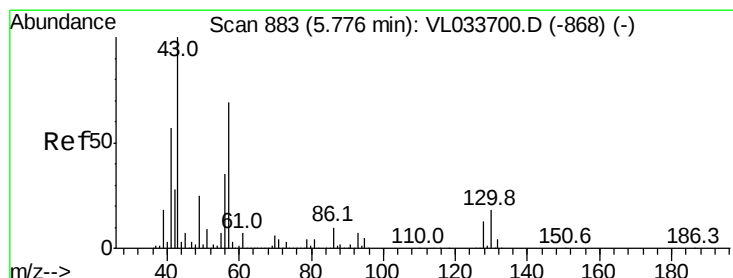
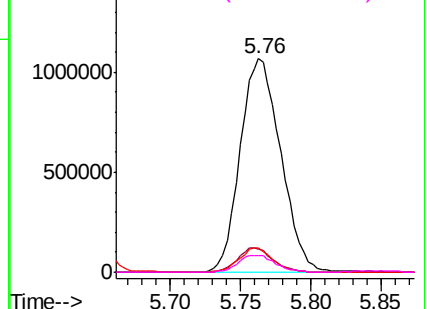
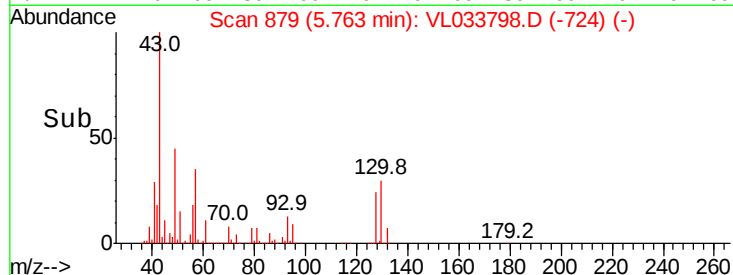
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.715 ppbv

RT: 5.78 min Scan# 883

Delta R.T. -0.00 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Tgt Ion: 57 Resp: 957358

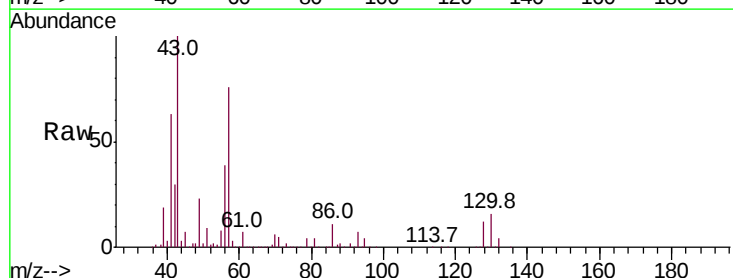
Ion Ratio Lower Upper

57 100

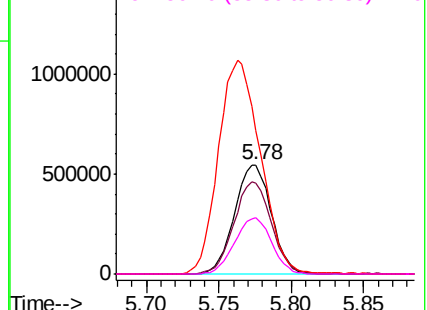
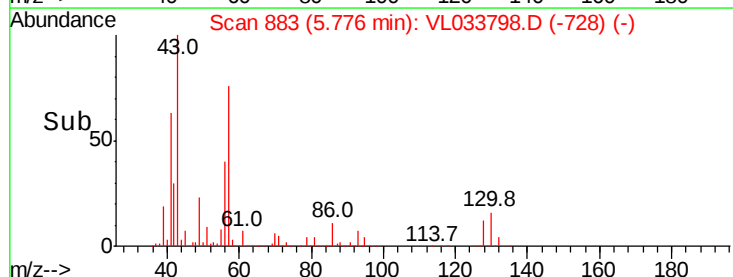
41 86.1 69.8 104.6

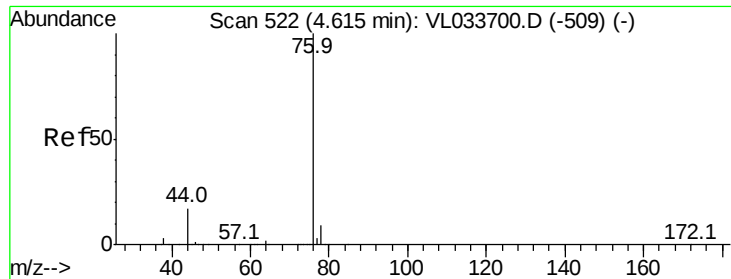
43 225.0 181.8 272.6

56 52.3 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: 9.809 ppbv

RT: 4.61 min Scan# 522

Delta R.T. -0.00 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1326250

Ion Ratio Lower Upper

76 100

44 17.1 13.8 20.8

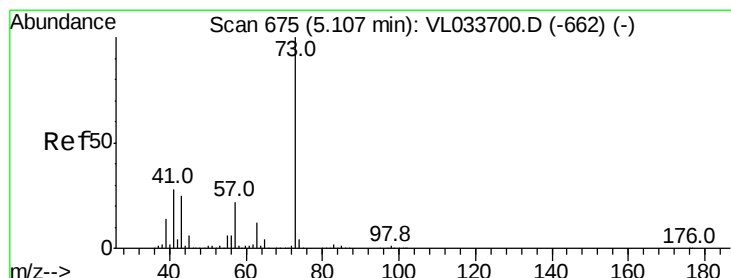
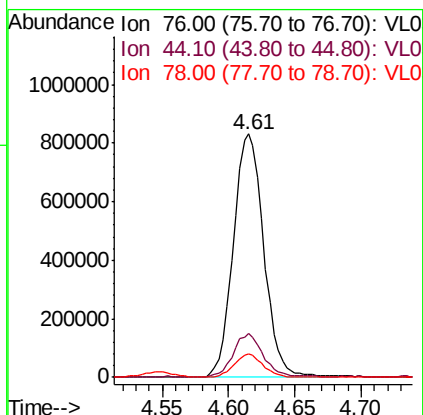
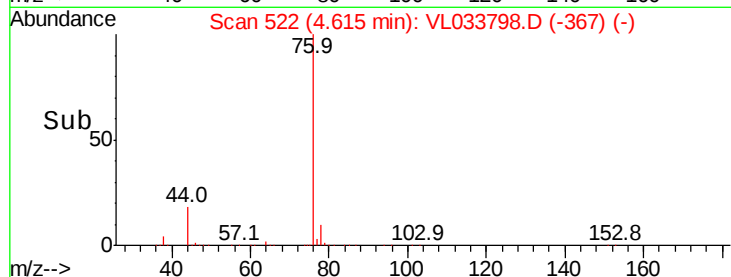
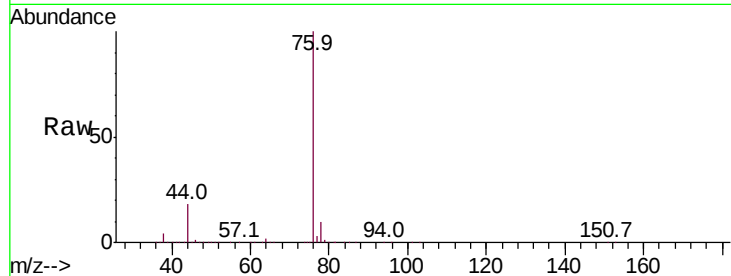
78 9.3 7.4 11.0

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#28

Methyl tert-Butyl Ether

Concen: 10.600 ppbv

RT: 5.11 min Scan# 675

Delta R.T. -0.00 min

Lab File: VL033798.D

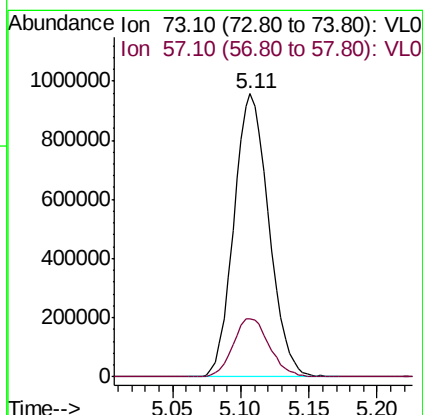
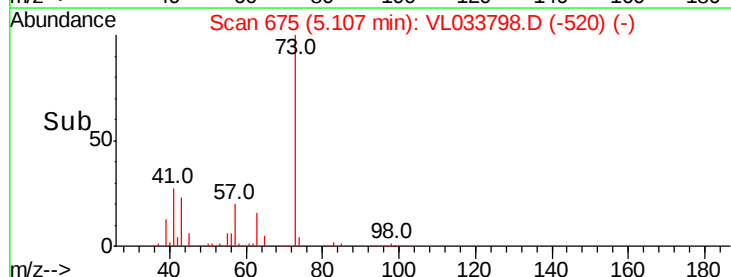
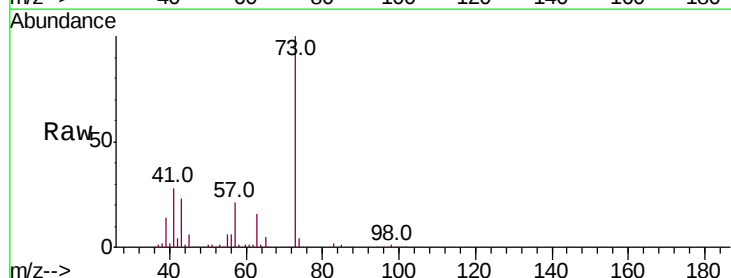
Acq: 28 May 2019 8:53

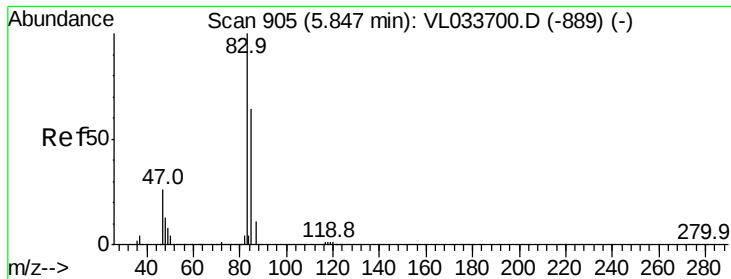
Tgt Ion: 73 Resp: 1702937

Ion Ratio Lower Upper

73 100

57 21.5 17.4 26.2





#29

Chloroform

Concen: 8.850 ppbv

RT: 5.84 min Scan# 904

Delta R.T. -0.00 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 1606486

Ion Ratio Lower Upper

83 100

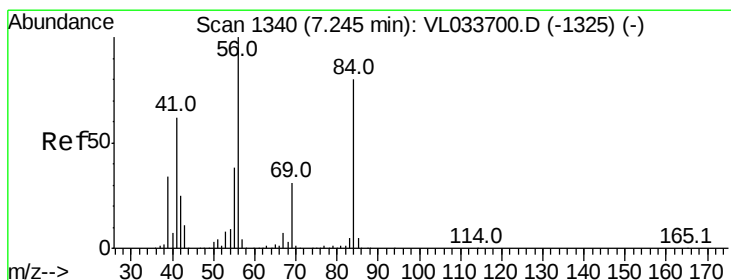
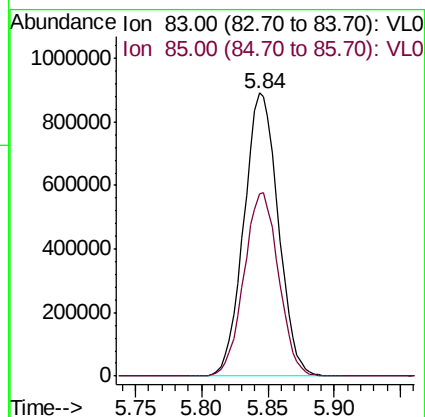
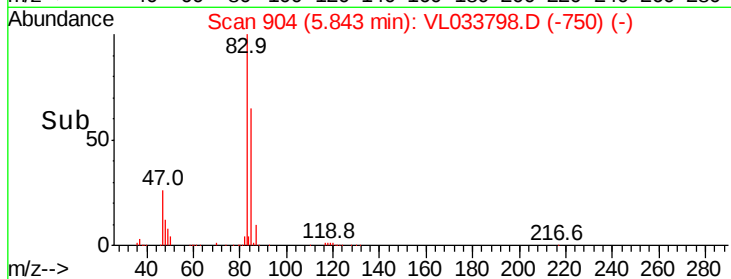
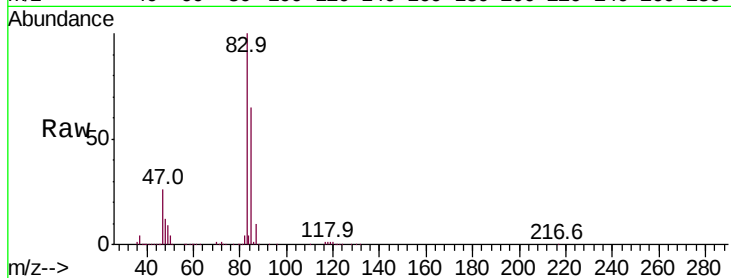
85 64.5 51.5 77.3

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#30

Cyclohexane

Concen: 10.075 ppbv

RT: 7.24 min Scan# 1338

Delta R.T. -0.01 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

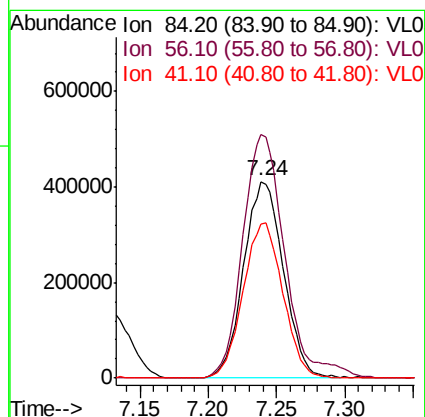
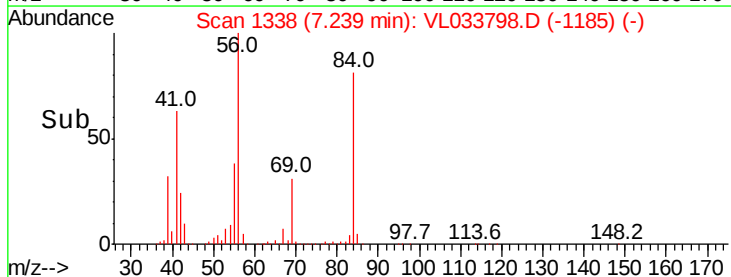
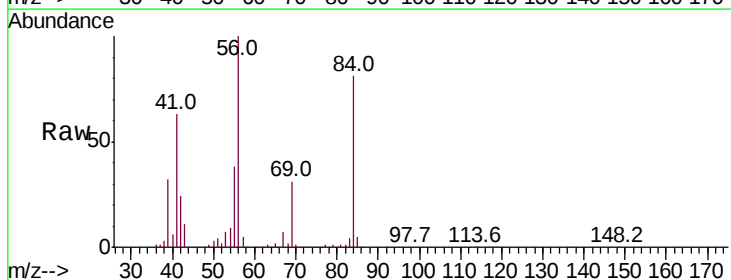
Tgt Ion: 84 Resp: 834743

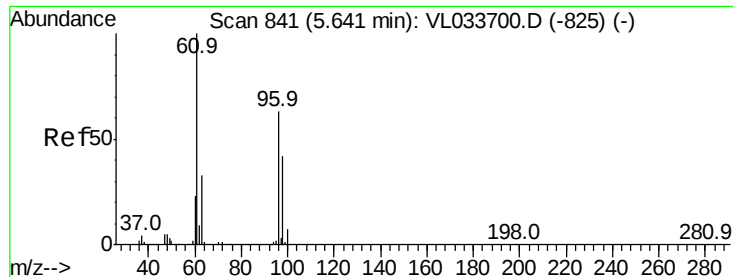
Ion Ratio Lower Upper

84 100

56 131.3 107.7 161.5

41 79.1 66.0 99.0





#31

cis-1,2-Dichloroethene

Concen: 9.964 ppbv

RT: 5.64 min Scan# 840

Delta R.T. -0.00 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Instrument :

MSVOA_L

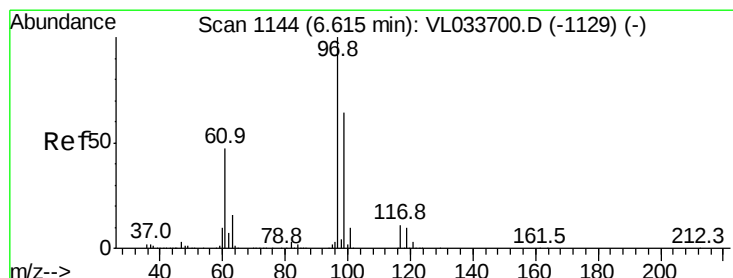
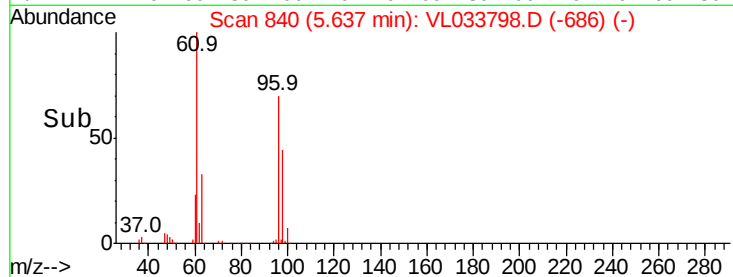
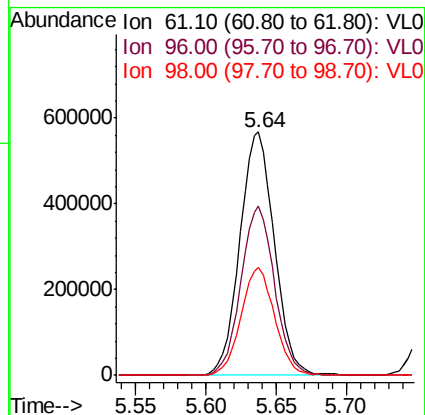
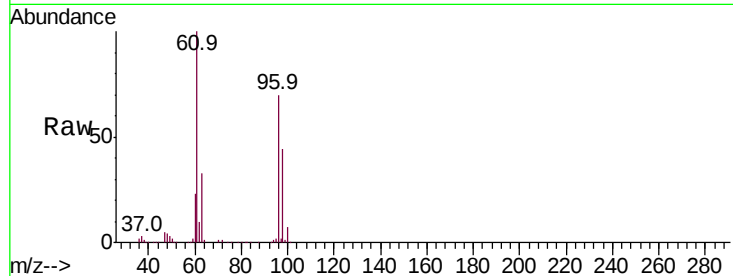
ClientSampleId :

VSTDCCC010

Tot Ion:	61	Resp:	973645
Ion Ratio	Lower	Upper	
61	100		
96	69.7	50.8	76.2
98	44.3	33.3	49.9

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#32

1,1,1-Trichloroethane

Concen: 9.193 ppbv

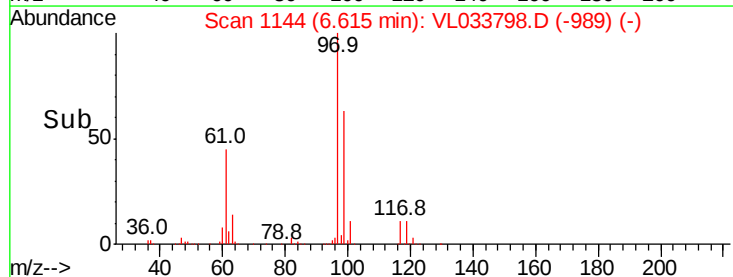
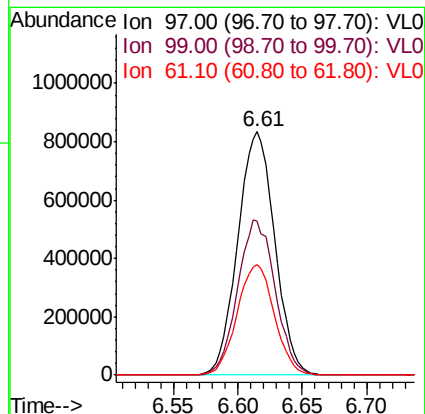
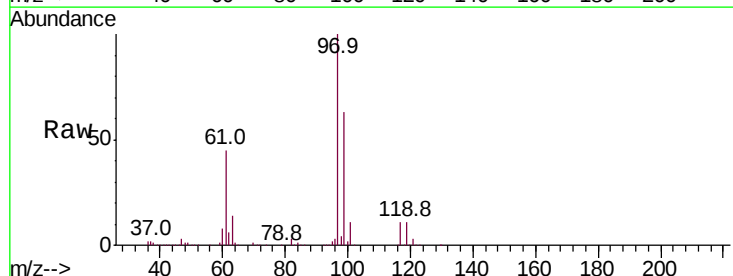
RT: 6.61 min Scan# 1144

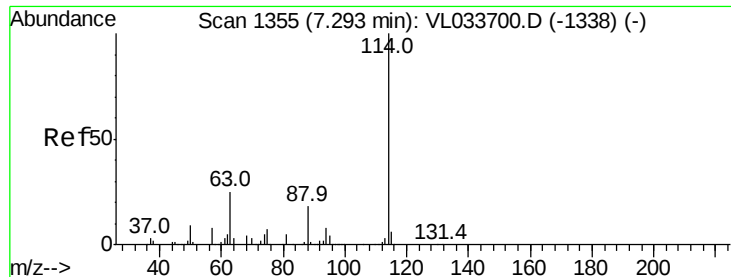
Delta R.T. -0.00 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Tgt Ion:	97	Resp:	1666243
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.5	77.3
61	45.9	37.8	56.8





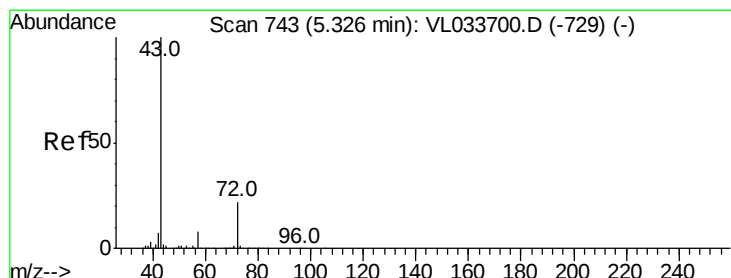
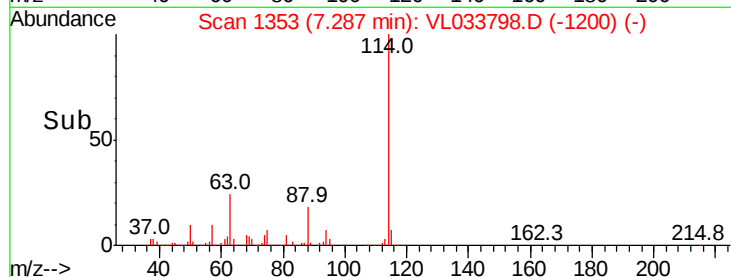
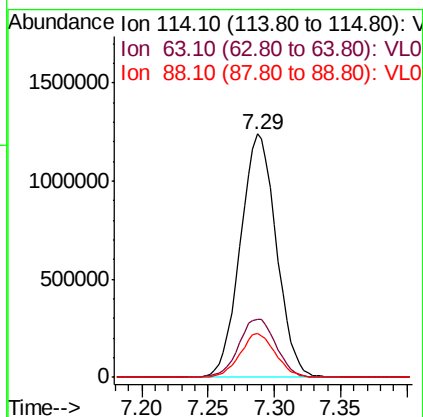
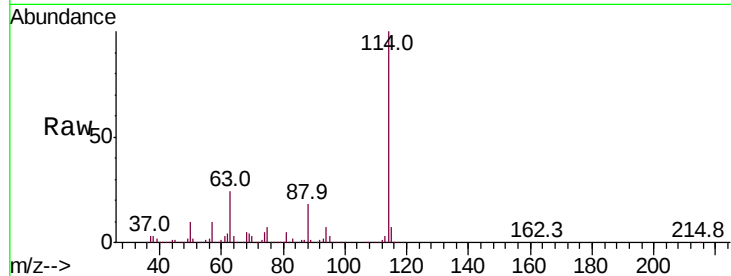
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033798.D
 Acq: 28 May 2019 8:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.2	20.9	31.3
88	17.6	14.3	21.5

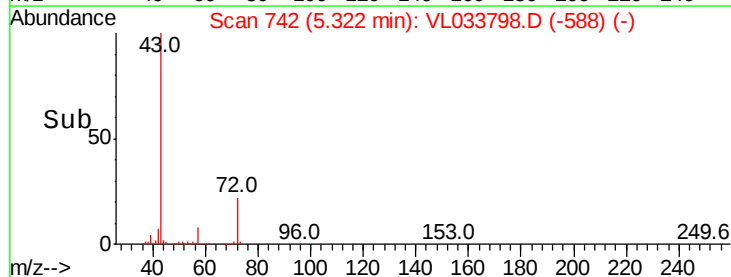
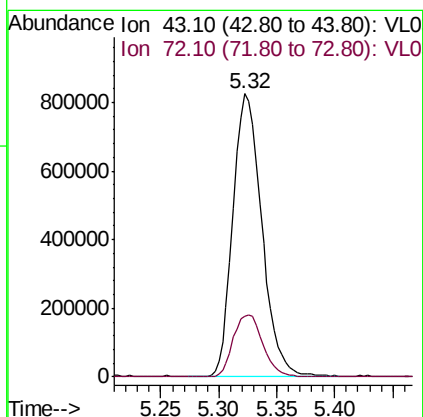
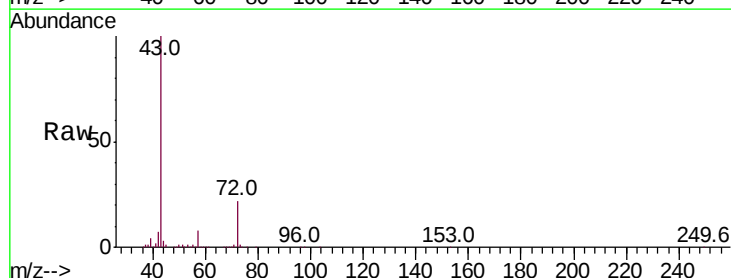
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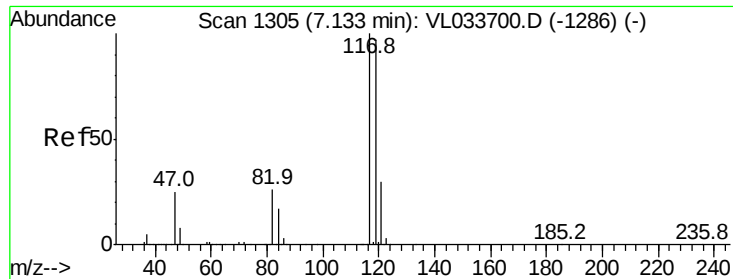
apatel
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#34
 2-Butanone
 Concen: 9.860 ppbv
 RT: 5.32 min Scan# 742
 Delta R.T. -0.00 min
 Lab File: VL033798.D
 Acq: 28 May 2019 8:53

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.8	17.8	26.6





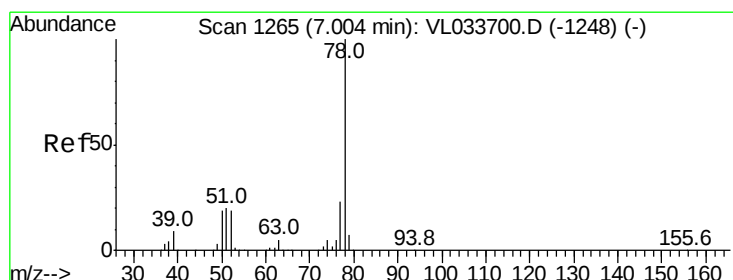
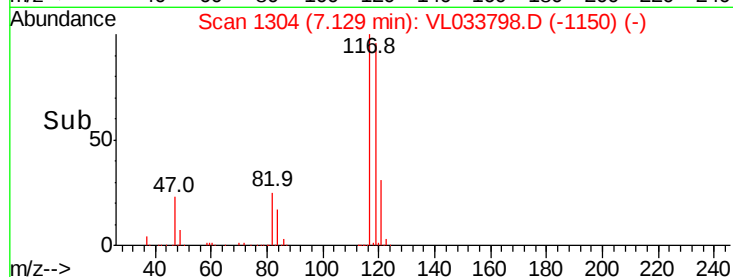
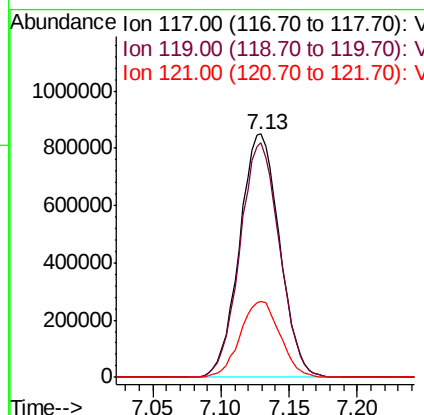
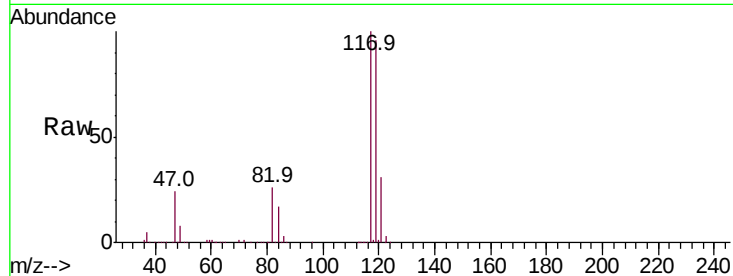
#35
Carbon Tetrachloride
Concen: 9.293 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VL033798.D
Acq: 28 May 2019 8:53

Instrument :
MSVOA_L
ClientSampled :
VSTDCCC010

Tot Ion:117 Resp: 1733596
Ion Ratio Lower Upper
117 100
119 96.3 77.2 115.8
121 31.2 24.1 36.1

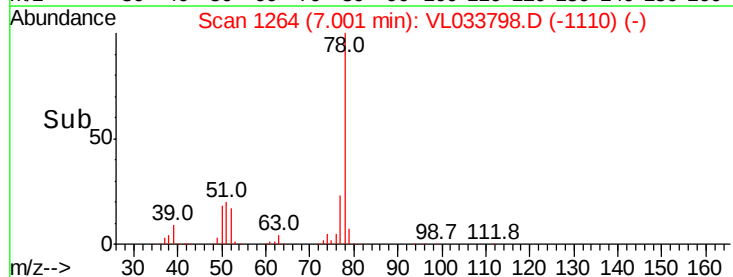
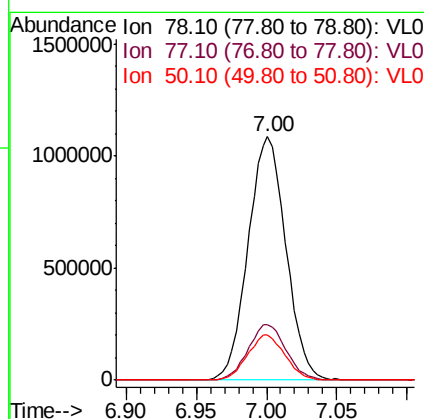
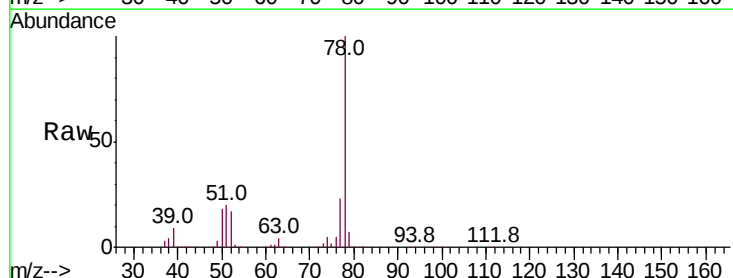
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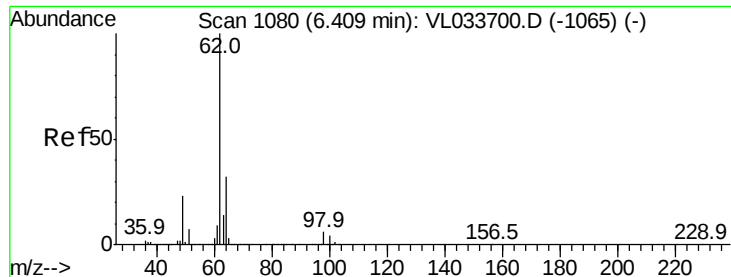
apatel
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#36
Benzene
Concen: 9.626 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033798.D
Acq: 28 May 2019 8:53

Tgt Ion: 78 Resp: 2039197
Ion Ratio Lower Upper
78 100
77 22.6 18.4 27.6
50 18.3 15.5 23.3





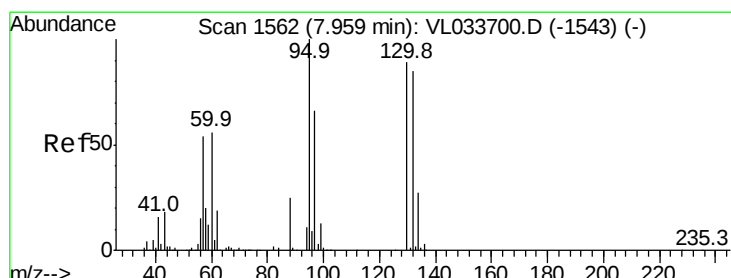
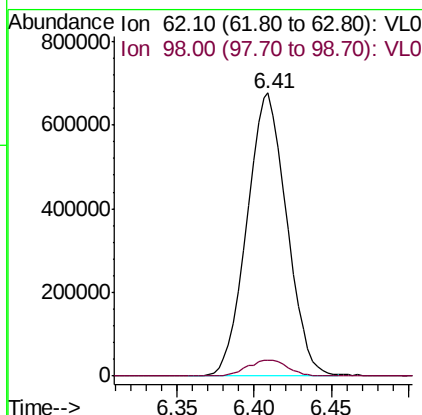
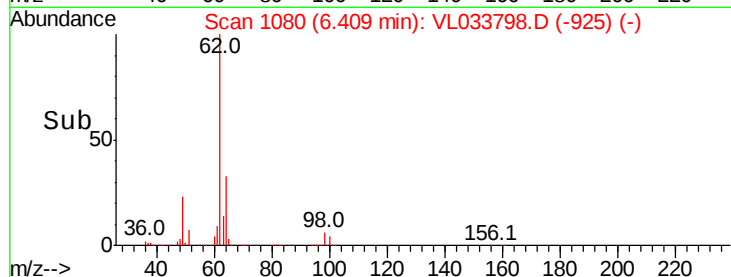
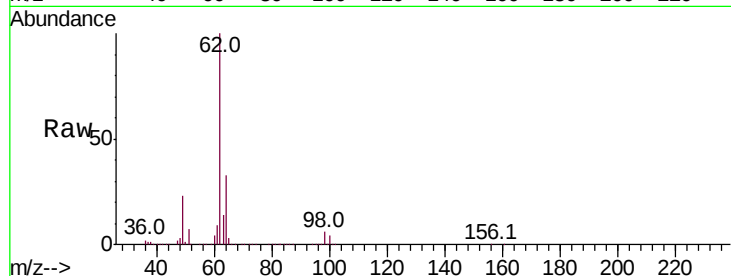
#37
 1,2-Dichloroethane
 Concen: 8.880 ppbv
 RT: 6.41 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VL033798.D
 Acq: 28 May 2019 8:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.9	4.5	6.7

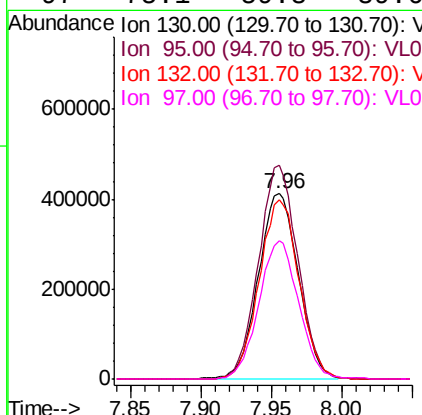
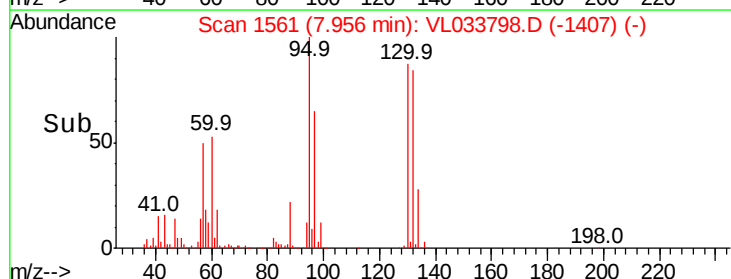
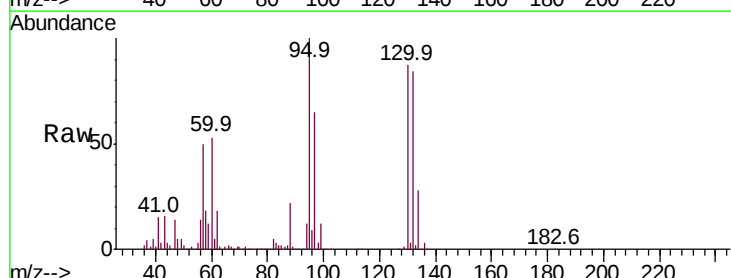
Manual Integrations
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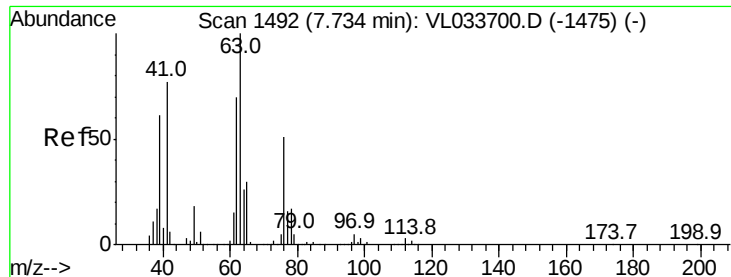
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#38
 Trichloroethene
 Concen: 10.352 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. -0.00 min
 Lab File: VL033798.D
 Acq: 28 May 2019 8:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	115.4	90.2	135.4
132	96.9	76.4	114.6
97	75.1	59.8	89.6





#39

1,2-Dichloropropane

Concen: 9.580 ppbv

RT: 7.73 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Instrument :

MSVOA_L

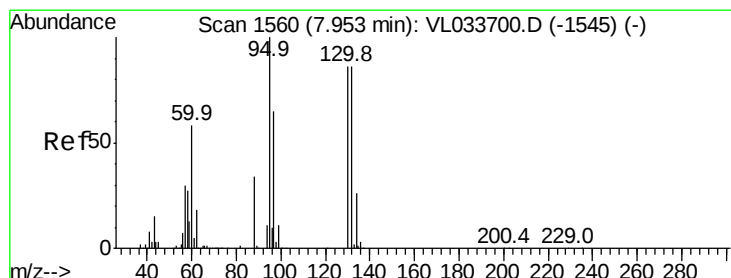
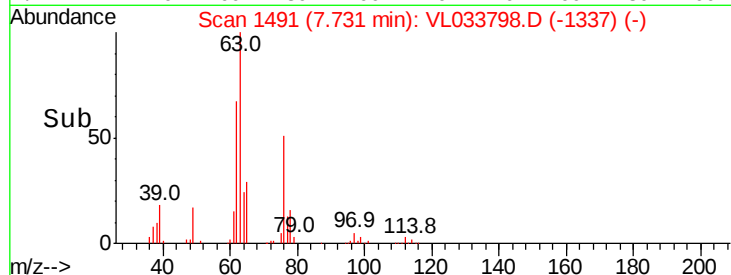
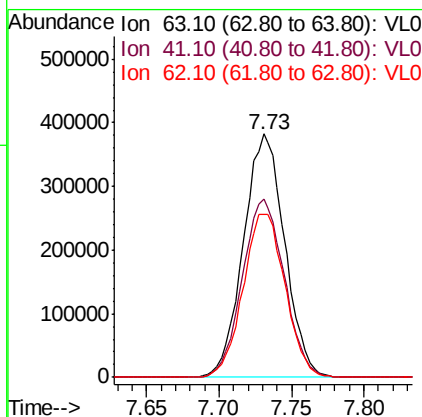
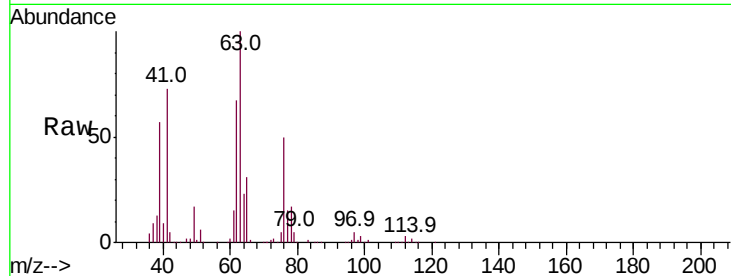
ClientSampleId :

VSTDCCC010

Tot Ion:	63	Resp:	756599
Ion Ratio	Lower	Upper	
63	100		
41	73.4	61.5	92.3
62	67.0	56.2	84.4

Manual Integrations
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#40

1,4-Dioxane

Concen: 8.913 ppbv

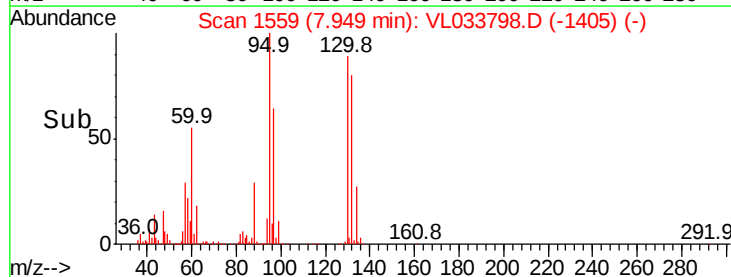
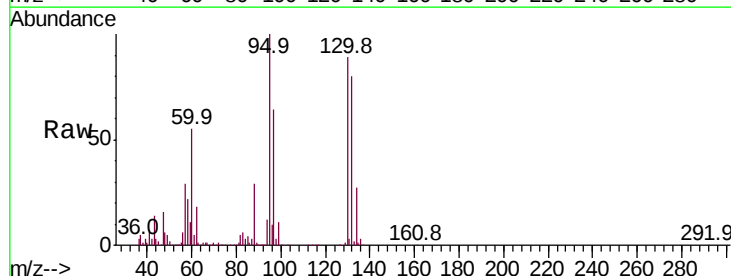
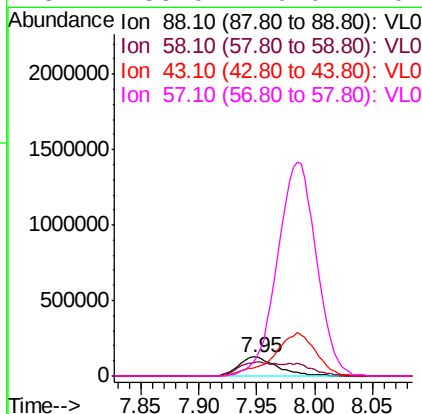
RT: 7.95 min Scan# 1559

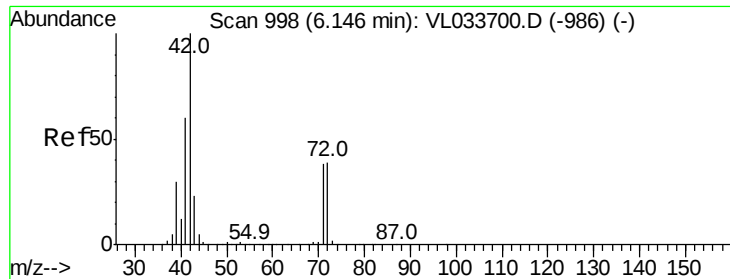
Delta R.T. -0.00 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Tgt Ion:	88	Resp:	294475
Ion Ratio	Lower	Upper	
88	100		
58	122.7	101.8	152.6
43	245.6	0.0	0.0#
57	1133.9	0.0	0.0#





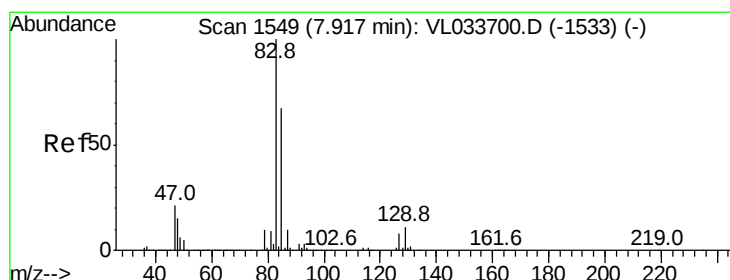
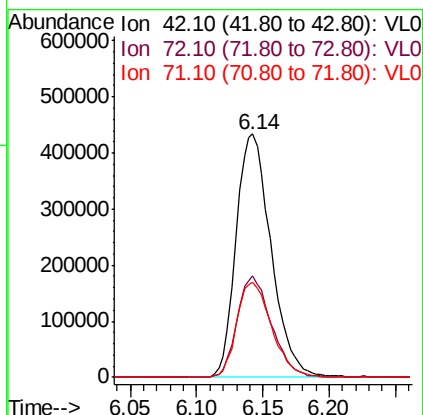
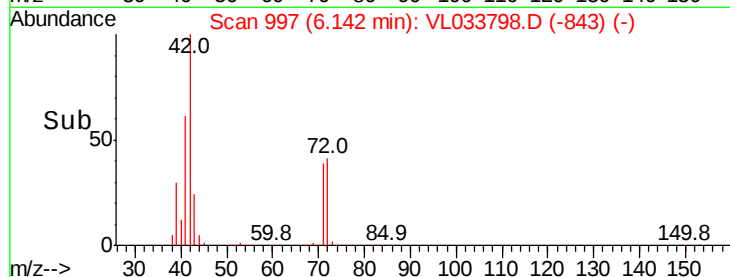
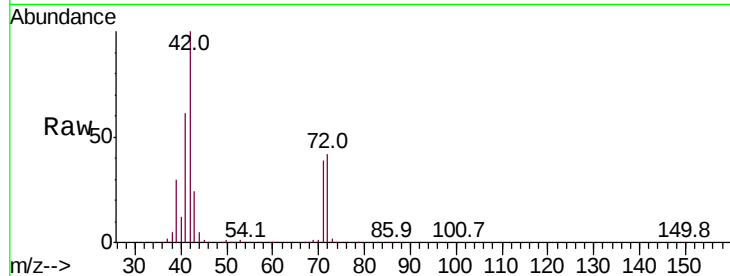
#41
Tetrahydrofuran
Concen: 9.841 ppbv
RT: 6.14 min Scan# 997
Delta R.T. -0.00 min
Lab File: VL033798.D
Acq: 28 May 2019 8:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Resp Lower	Upper
42	100		
72	40.9	32.0	48.0
71	39.1	30.4	45.6

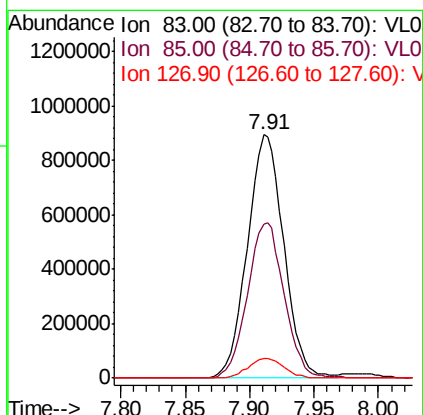
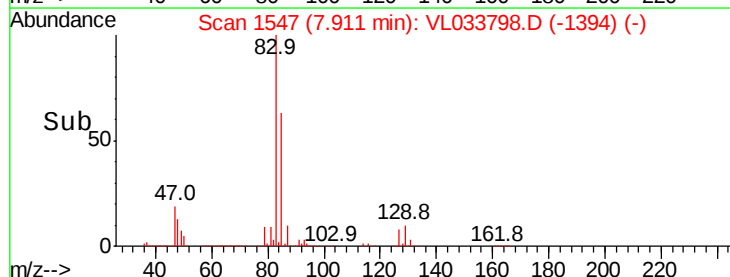
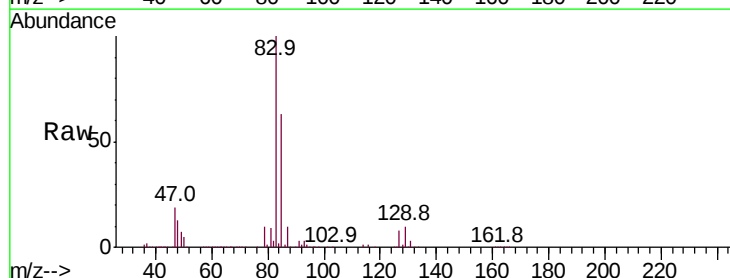
Manual Integrations
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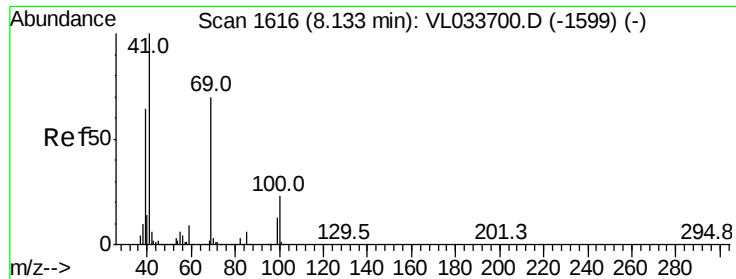
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#42
Bromodichloromethane
Concen: 9.407 ppbv
RT: 7.91 min Scan# 1547
Delta R.T. -0.01 min
Lab File: VL033798.D
Acq: 28 May 2019 8:53

Tgt Ion	Ratio	Resp Lower	Upper
83	100		
85	63.2	53.3	79.9
127	7.8	6.5	9.7





#43

Methyl Methacrylate

Concen: 11.624 ppbv

RT: 8.13 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VL033798.D

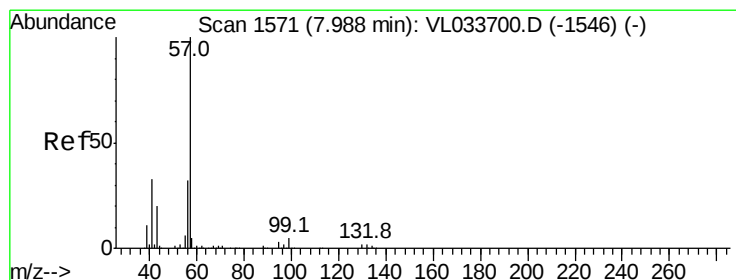
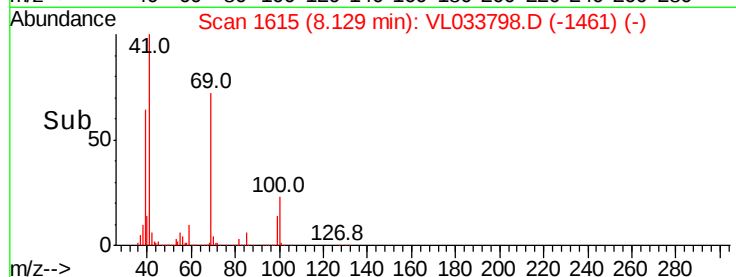
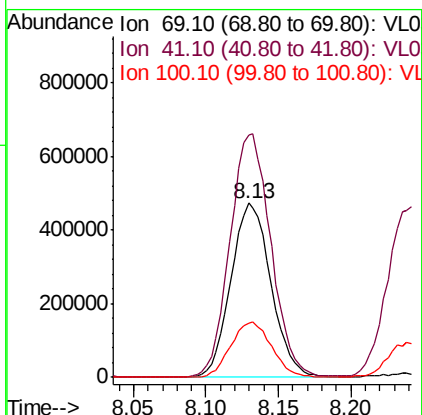
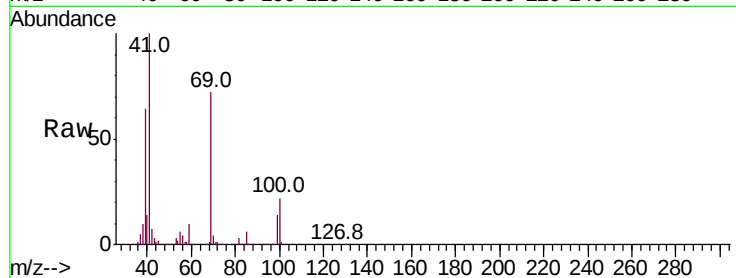
Acq: 28 May 2019 8:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
69	100		
41	143.1	116.3	174.5
100	32.6	25.3	37.9

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#44

2,2,4-Trimethylpentane

Concen: 9.319 ppbv

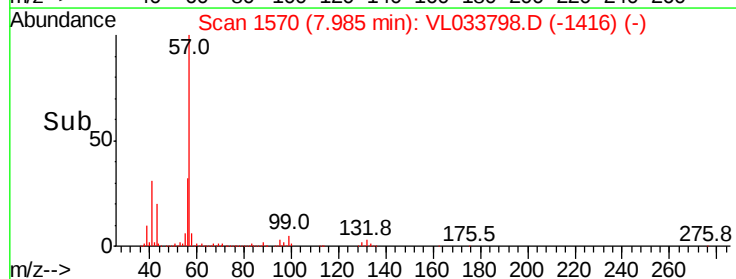
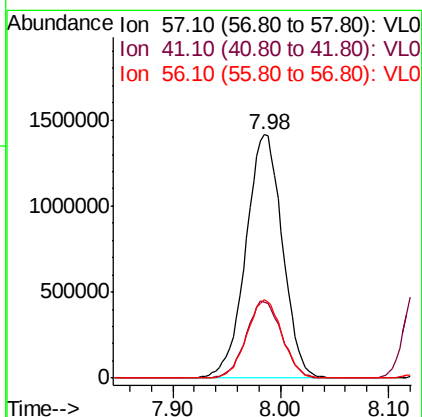
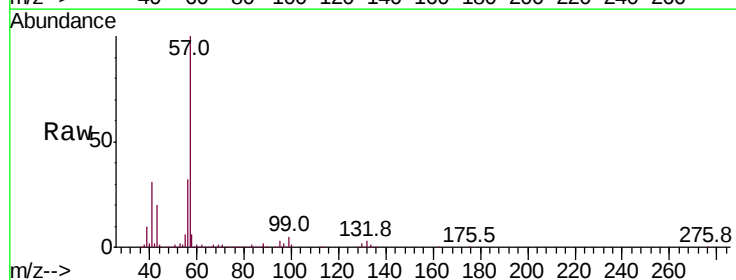
RT: 7.98 min Scan# 1570

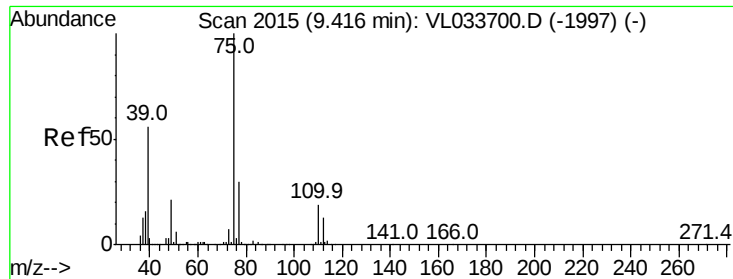
Delta R.T. -0.00 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Tgt Ion	Ratio	Lower	Upper
57	100		
41	31.0	25.4	38.0
56	31.0	24.7	37.1





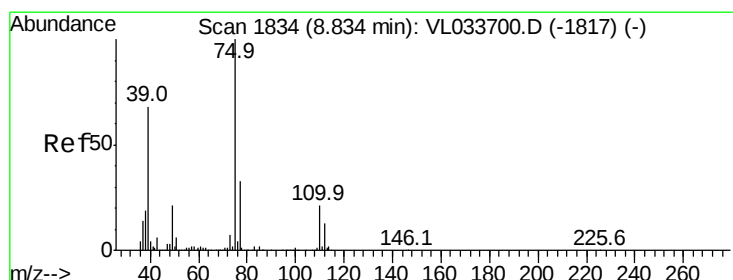
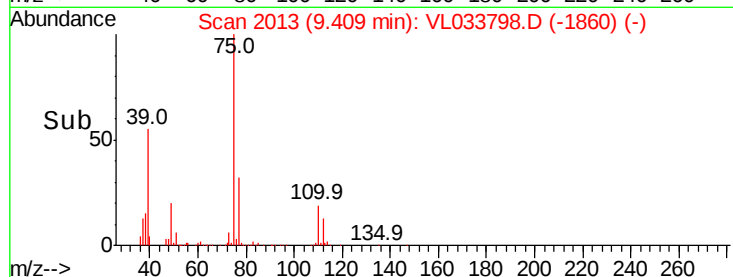
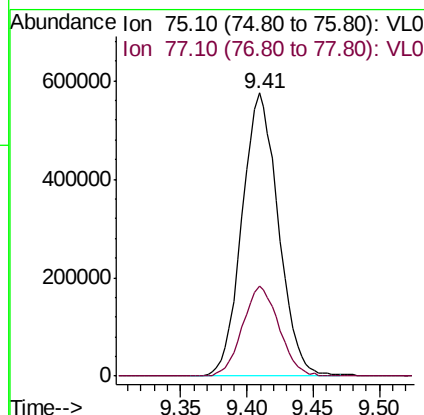
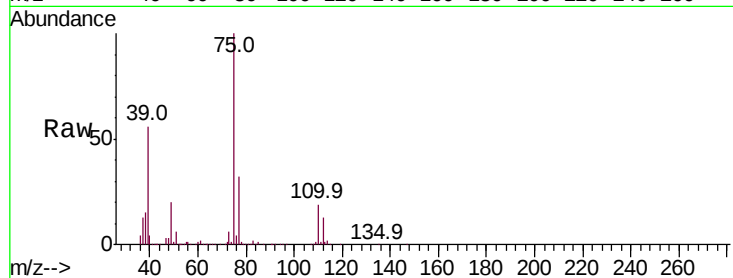
#45
t-1,3-Dichloropropene
Concen: 11.083 ppbv
RT: 9.41 min Scan# 2013
Delta R.T. -0.01 min
Lab File: VL033798.D
Acq: 28 May 2019 8:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1095428
Ion Ratio Lower Upper
75 100
77 31.8 24.4 36.6

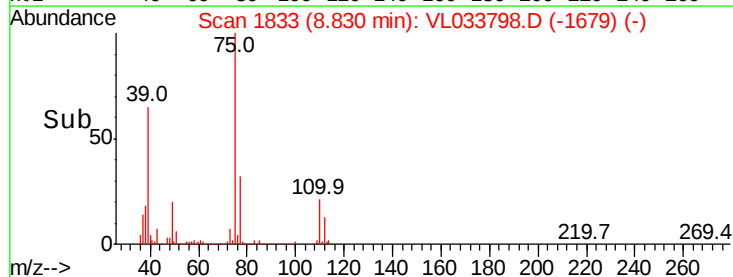
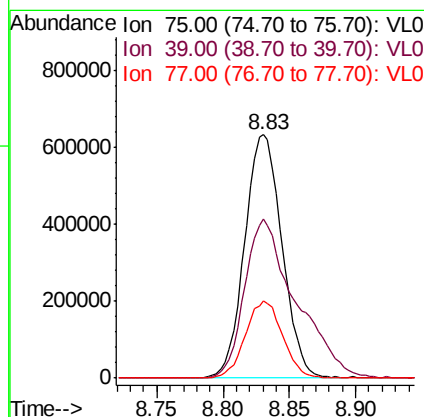
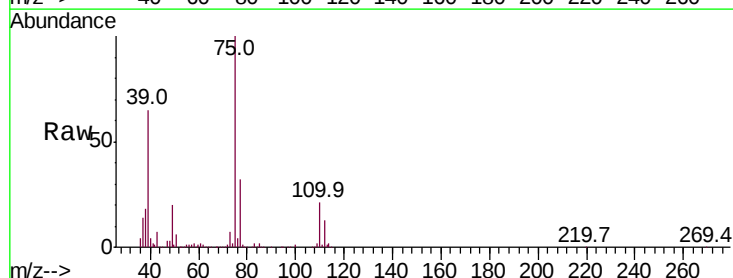
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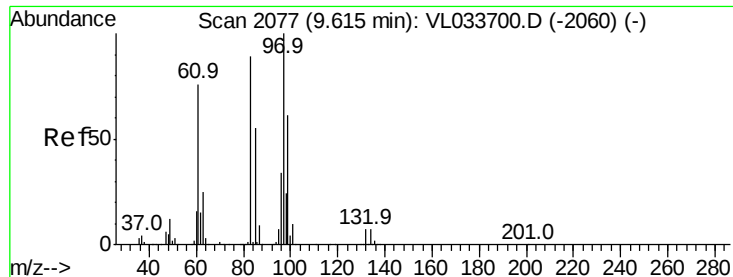
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#46
cis-1,3-Dichloropropene
Concen: 10.711 ppbv
RT: 8.83 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VL033798.D
Acq: 28 May 2019 8:53

Tgt Ion: 75 Resp: 1239626
Ion Ratio Lower Upper
75 100
39 65.4 54.4 81.6
77 31.9 26.6 39.8





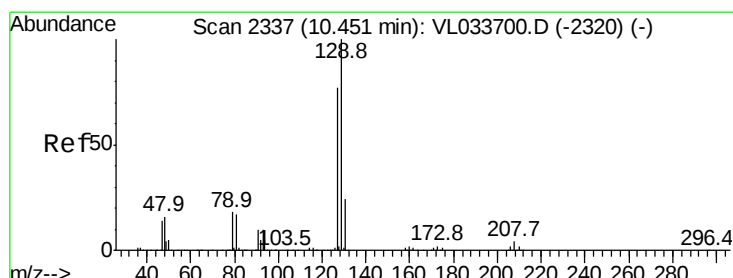
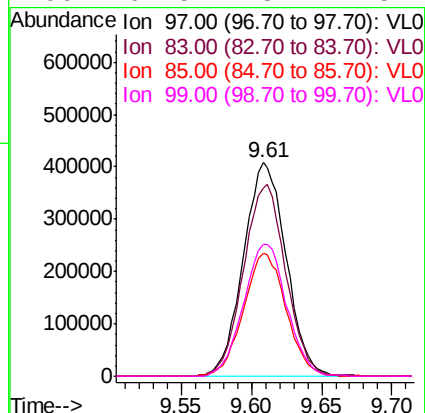
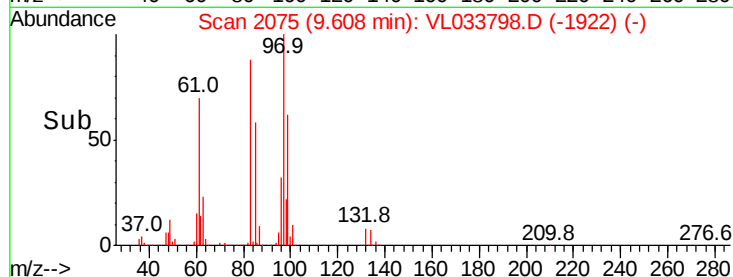
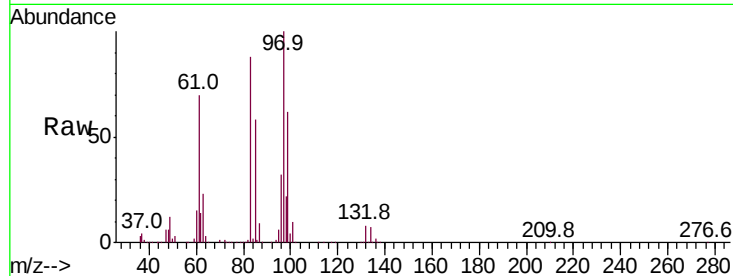
#47
 1,1,2-Trichloroethane
 Concen: 9.633 ppbv
 RT: 9.61 min Scan# 2075
 Delta R.T. -0.01 min
 Lab File: VL033798.D
 Acq: 28 May 2019 8:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	97	Resp	864295
Ion Ratio	Lower	Upper	
97	100		
83	87.8	70.8	106.2
85	57.7	43.7	65.5
99	61.5	48.7	73.1

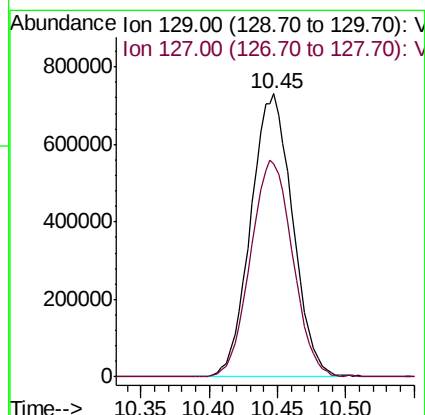
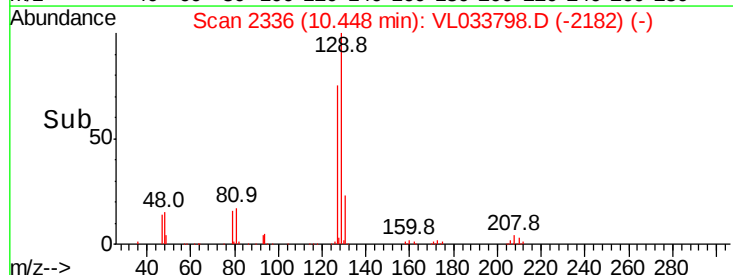
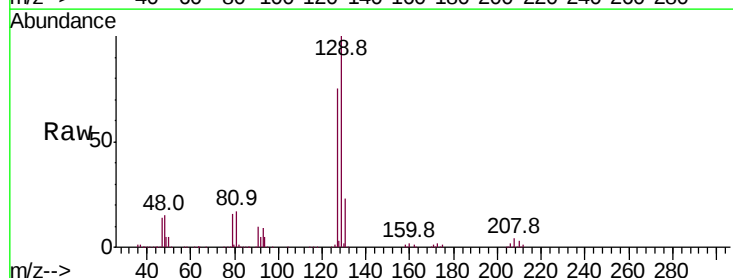
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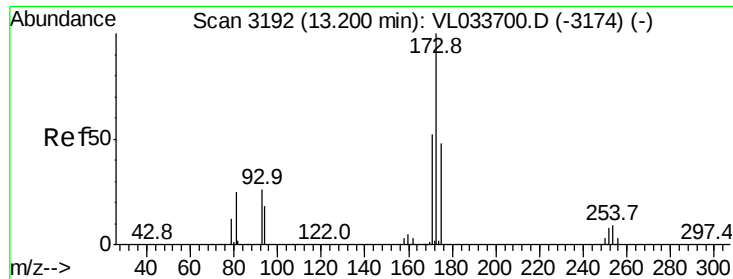
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#48
 Dibromochloromethane
 Concen: 9.996 ppbv
 RT: 10.45 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: VL033798.D
 Acq: 28 May 2019 8:53

Tgt Ion	129	Resp	1554084
Ion Ratio	Lower	Upper	
129	100		
127	77.5	38.6	116.0





#49

Bromoform

Concen: 11.676 ppbv

RT: 13.20 min Scan# 3192

Delta R.T. -0.00 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 1527307

Ion Ratio Lower Upper

173 100

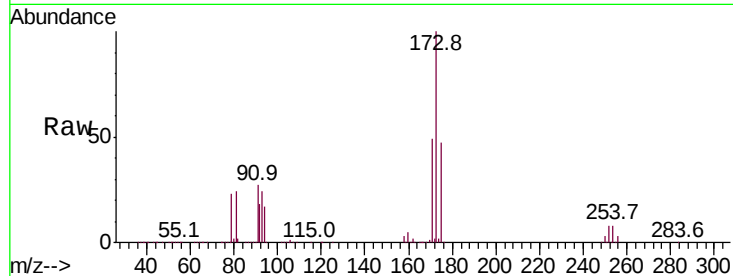
175 48.7 38.6 58.0

171 51.9 41.5 62.3

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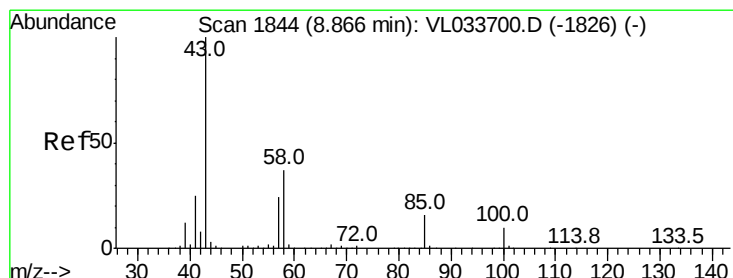
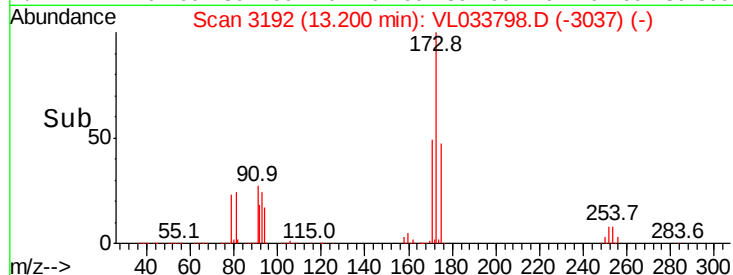
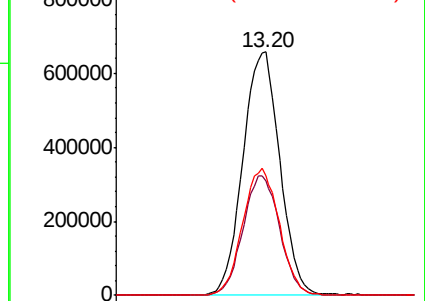
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.704 ppbv

RT: 8.87 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VL033798.D

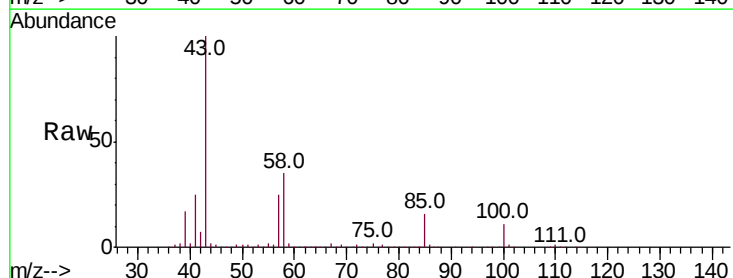
Acq: 28 May 2019 8:53

Tgt Ion: 43 Resp: 2154659

Ion Ratio Lower Upper

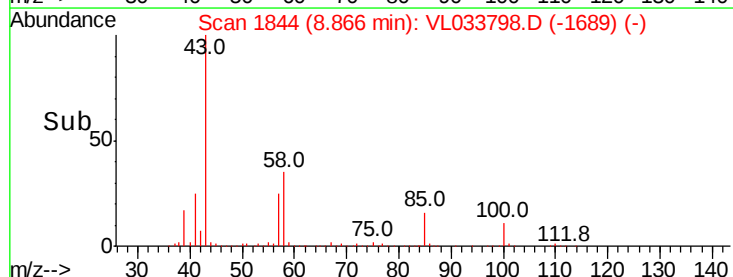
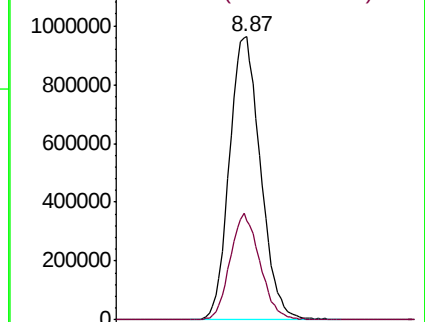
43 100

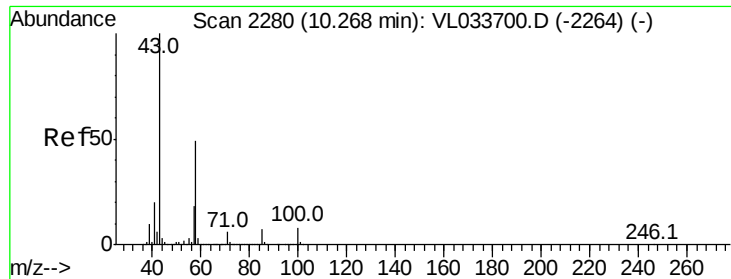
58 36.1 28.6 43.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.143 ppbv

RT: 10.26 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1757695

Ion Ratio Lower Upper

43 100

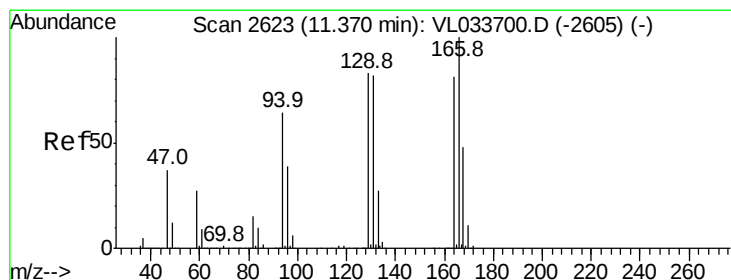
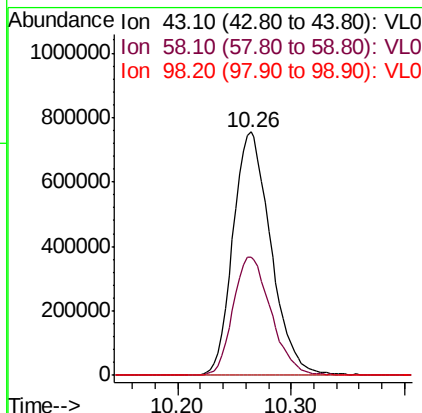
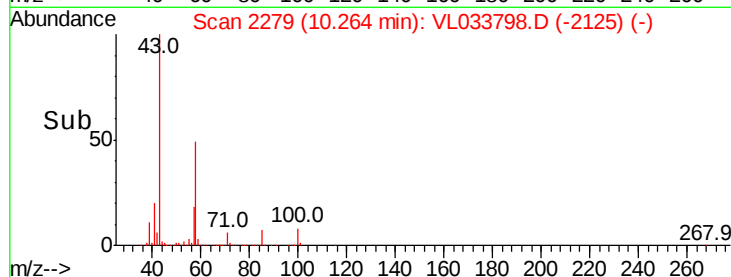
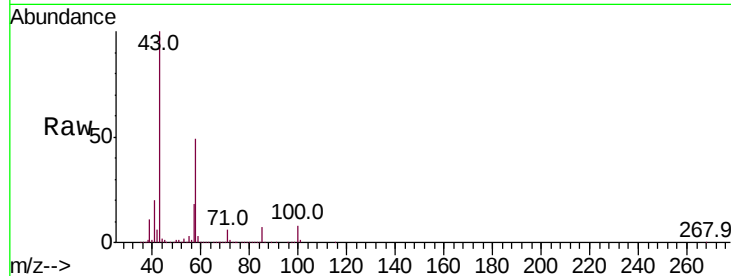
58 49.0 38.7 58.1

98 0.2 0.2 0.4#

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#52

Tetrachloroethene

Concen: 10.648 ppbv

RT: 11.37 min Scan# 2622

Delta R.T. -0.00 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Tgt Ion: 164 Resp: 792894

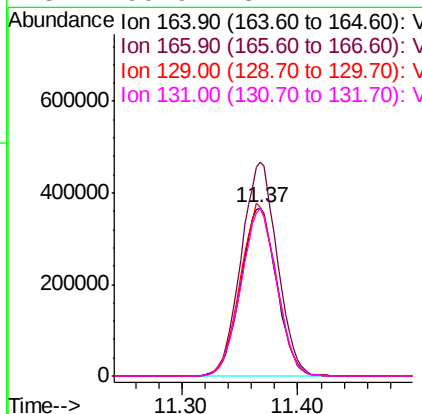
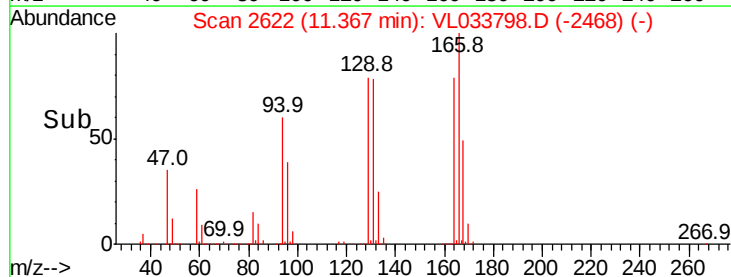
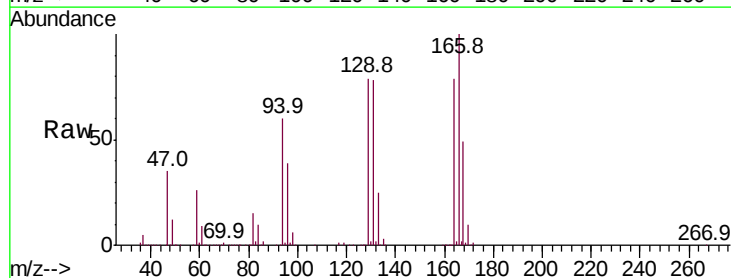
Ion Ratio Lower Upper

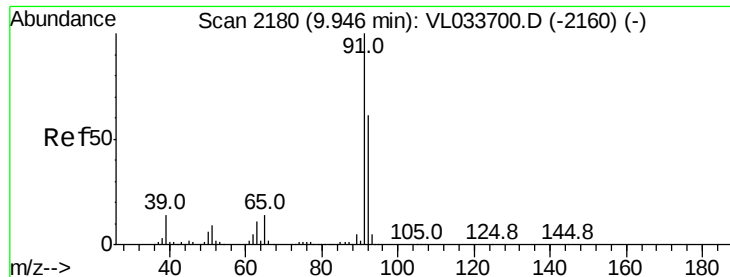
164 100

166 127.4 98.9 148.3

129 100.8 81.8 122.6

131 99.9 81.1 121.7





#53

Toluene

Concen: 10.698 ppbv

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2444300

Ion Ratio Lower Upper

91 100

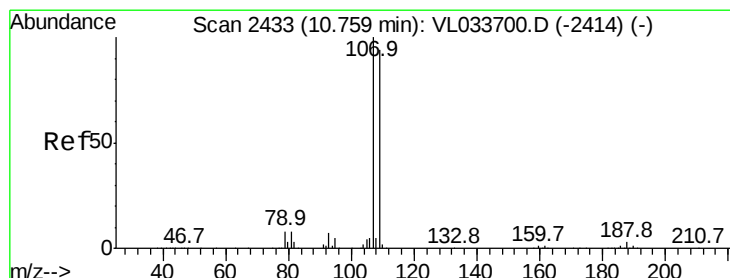
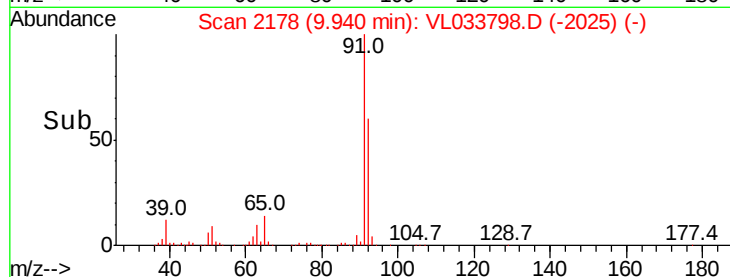
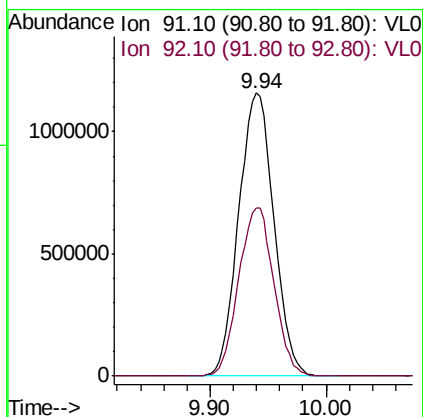
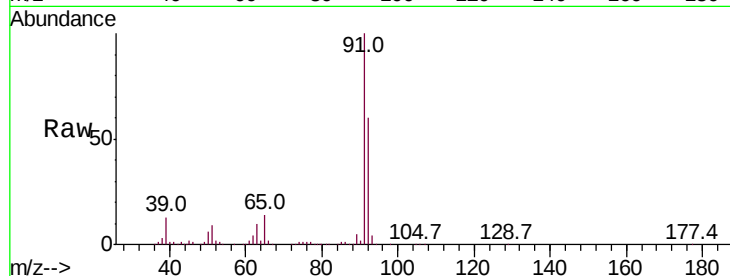
92 59.6 47.6 71.4

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#54

1,2-Dibromoethane

Concen: 9.797 ppbv

RT: 10.76 min Scan# 2432

Delta R.T. -0.00 min

Lab File: VL033798.D

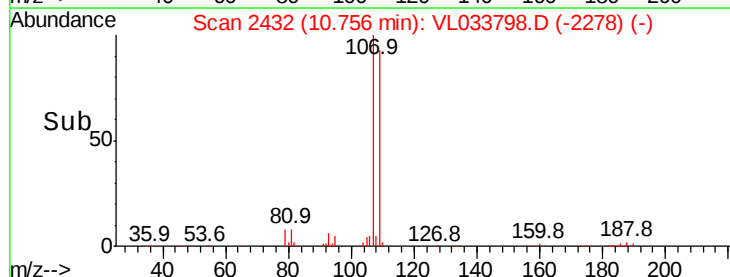
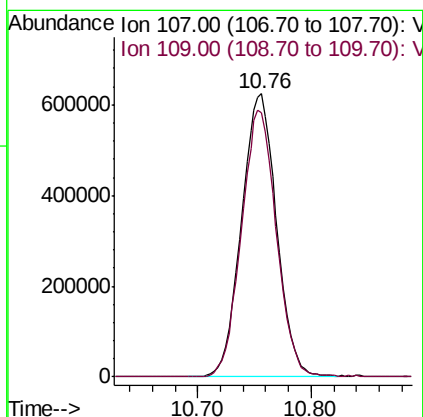
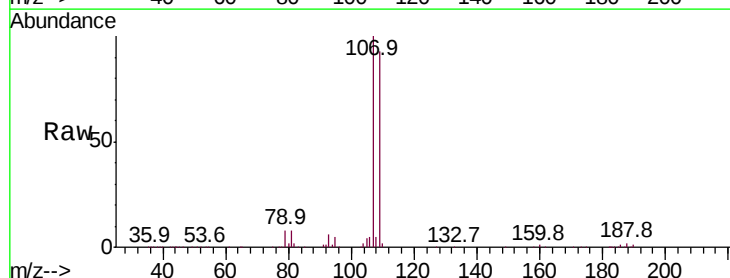
Acq: 28 May 2019 8:53

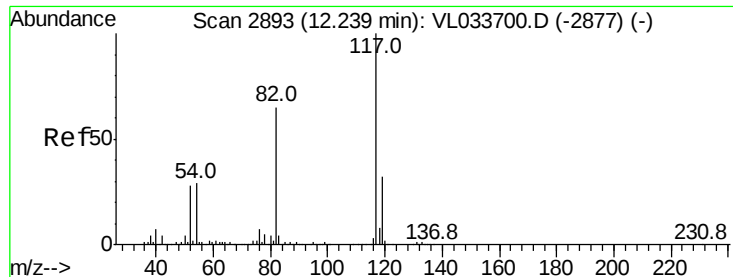
Tgt Ion:107 Resp: 1341406

Ion Ratio Lower Upper

107 100

109 93.1 75.2 112.8





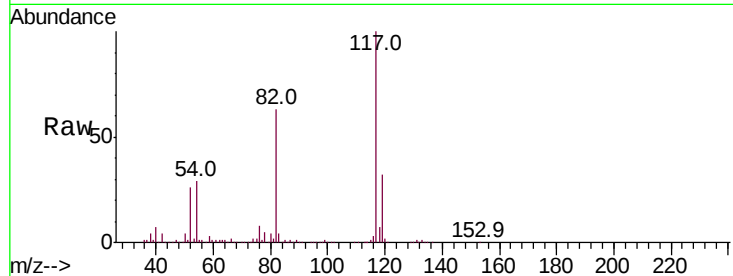
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033798.D
Acq: 28 May 2019 8:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

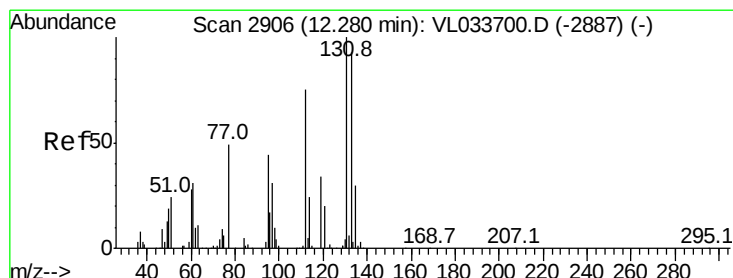
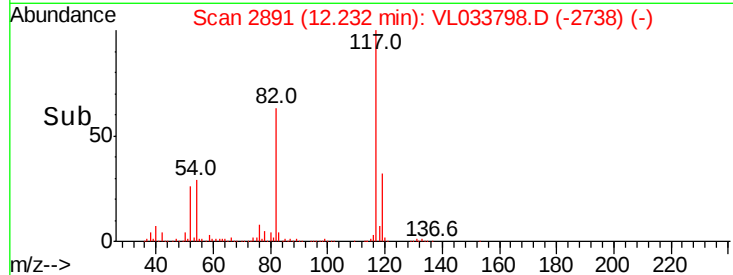
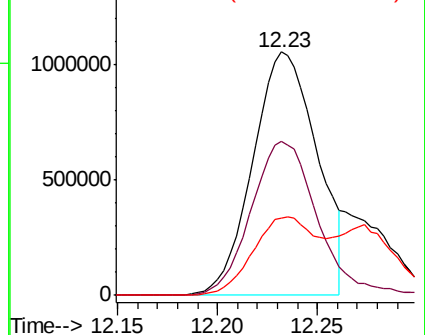
Tot Ion	Ratio	Lower	Upper
117	100		
82	65.5	49.4	74.0
119	34.3	24.9	37.3

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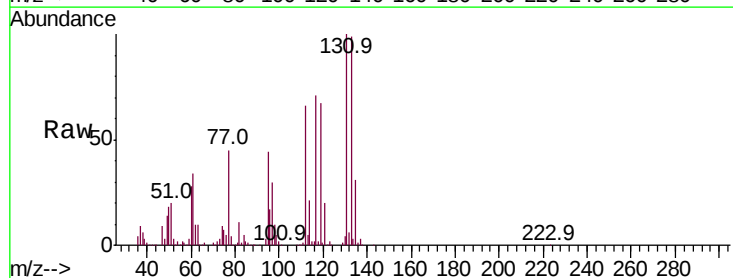


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

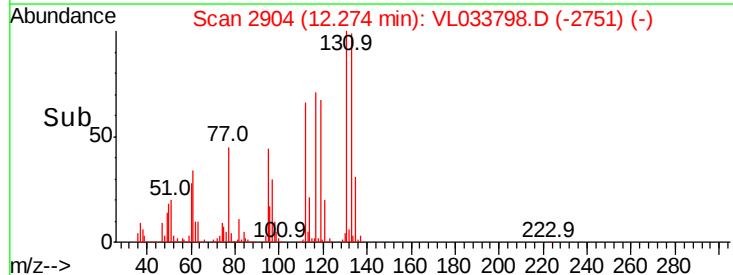
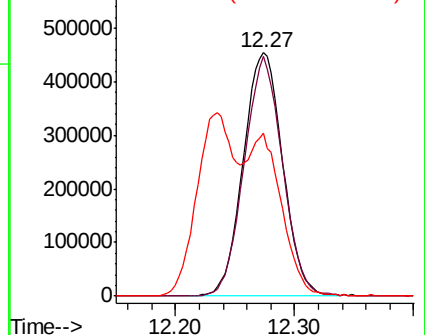


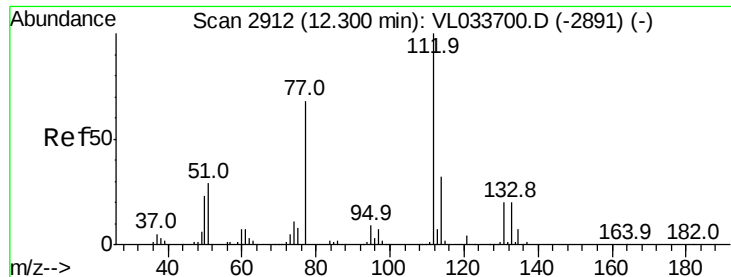
#56
1,1,1,2-Tetrachloroethane
Concen: 9.529 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033798.D
Acq: 28 May 2019 8:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	76.6	114.8
119	54.8	49.0	73.4



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





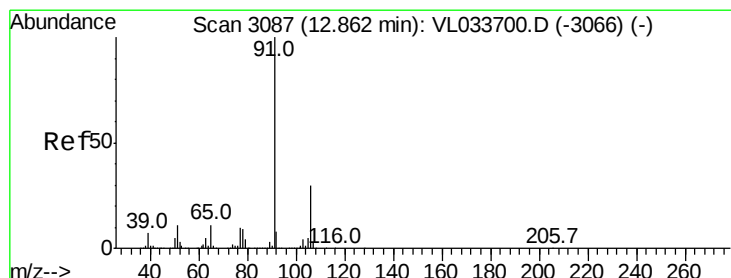
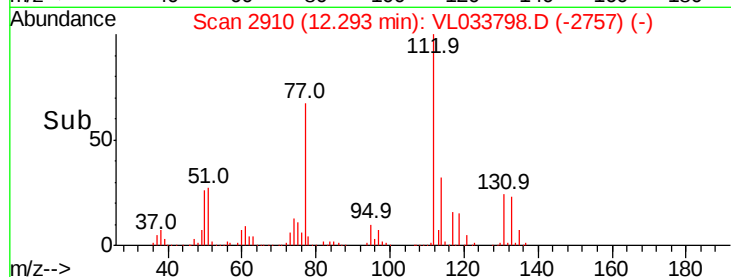
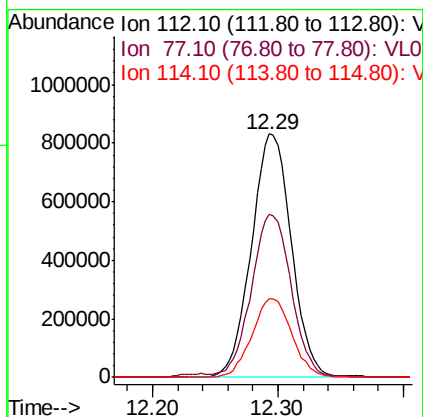
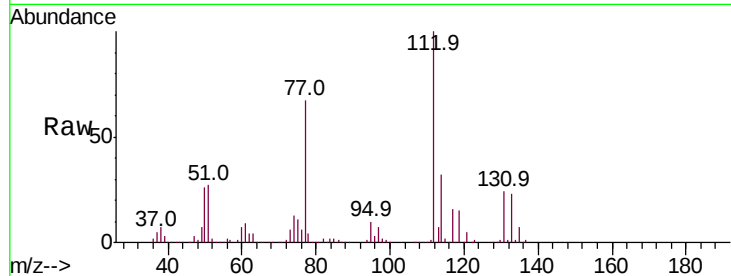
#57
Chlorobenzene
Concen: 9.444 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL033798.D
Acq: 28 May 2019 8:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	66.6	55.4	83.0
114	32.2	29.3	35.8

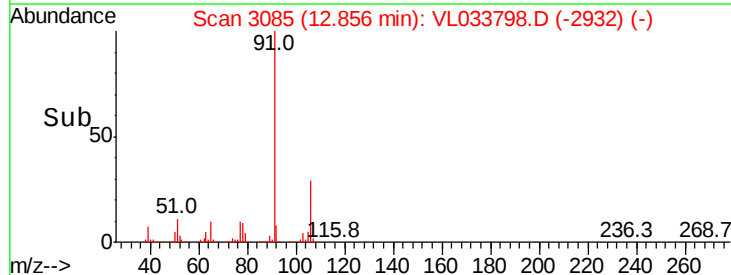
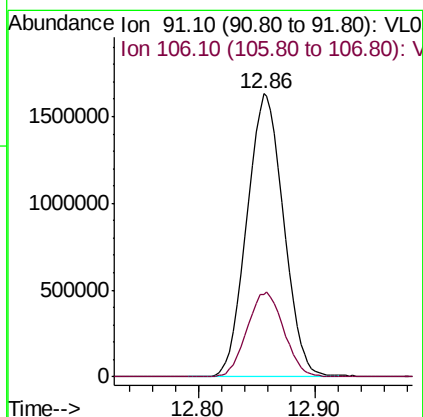
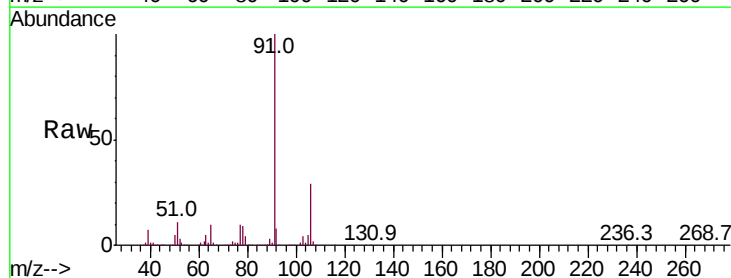
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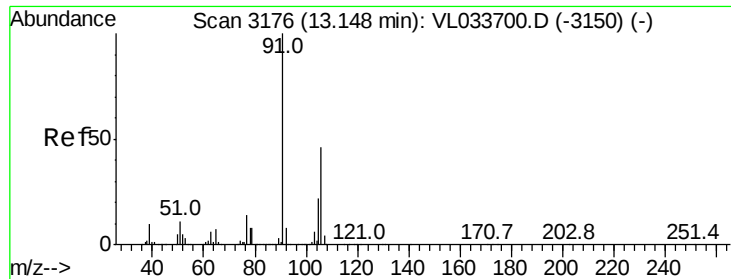
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#58
Ethyl Benzene
Concen: 11.481 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033798.D
Acq: 28 May 2019 8:53

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.2	23.9	35.9





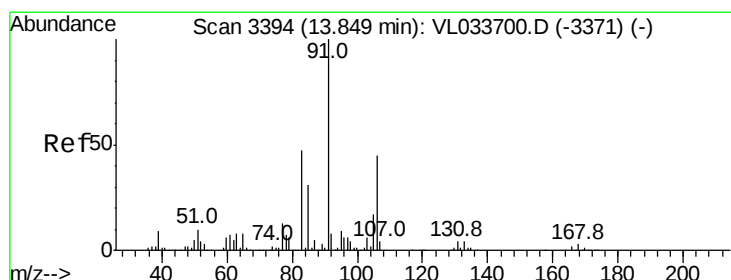
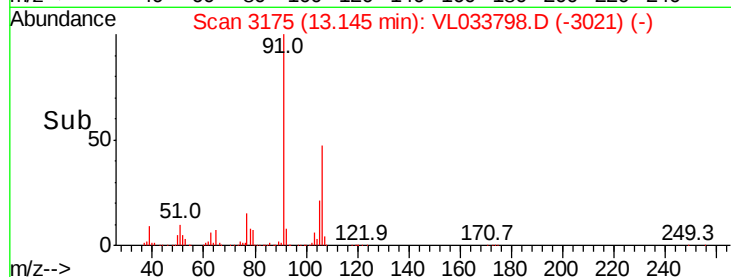
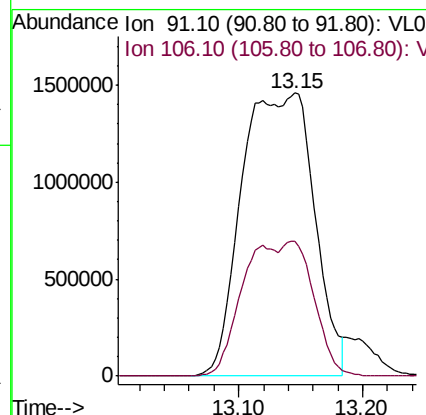
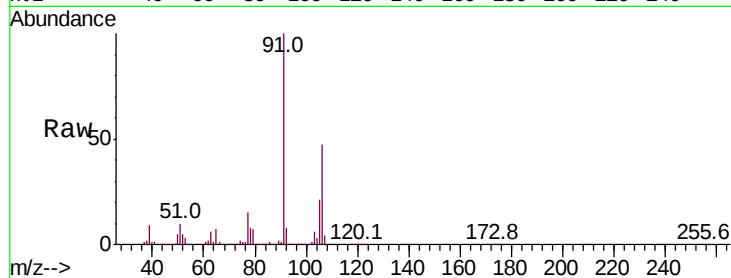
#59
m/p-Xylene
Concen: 21.591 ppbv m
RT: 13.15 min Scan# 3175
Delta R.T. -0.00 min
Lab File: VL033798.D
Acq: 28 May 2019 8:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 5917729
Ion Ratio Lower Upper
91 100
106 46.2 35.8 53.6

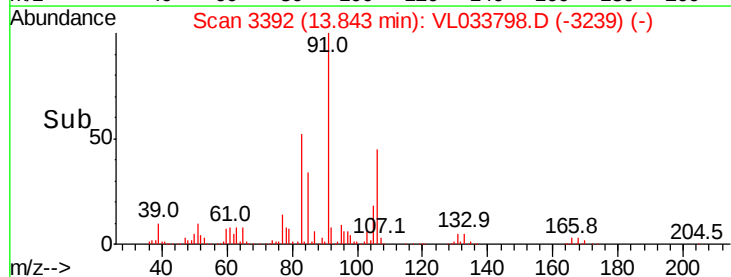
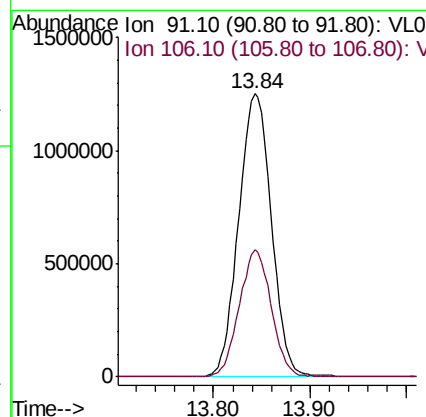
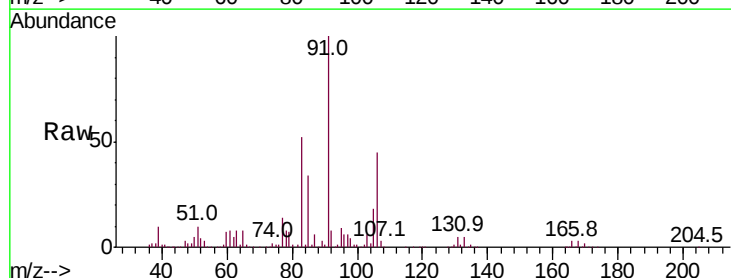
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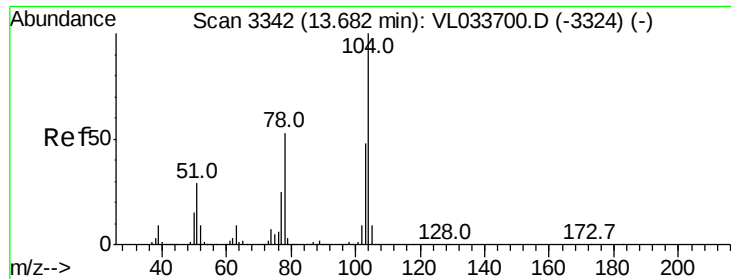
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#60
o-Xylene
Concen: 10.643 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033798.D
Acq: 28 May 2019 8:53

Tgt Ion: 91 Resp: 2940687
Ion Ratio Lower Upper
91 100
106 44.1 21.6 64.8





#61

Stvrene

Concen: 12.220 ppbv

RT: 13.68 min Scan# 3341

Delta R.T. -0.00 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:104 Resp: 2273083

Ion Ratio Lower Upper

104 100

78 51.7 42.6 64.0

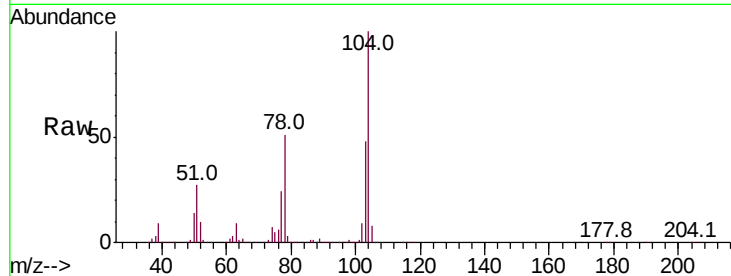
103 47.0 37.8 56.6

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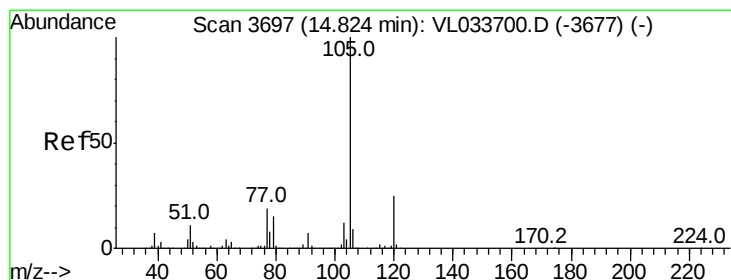
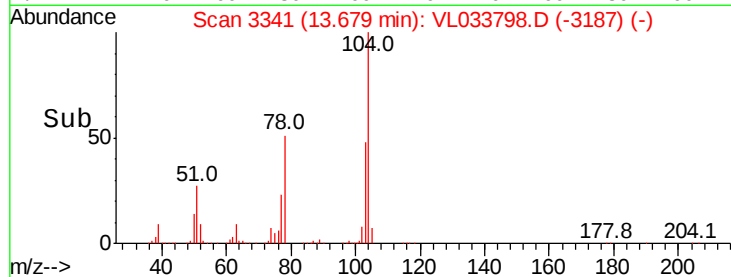
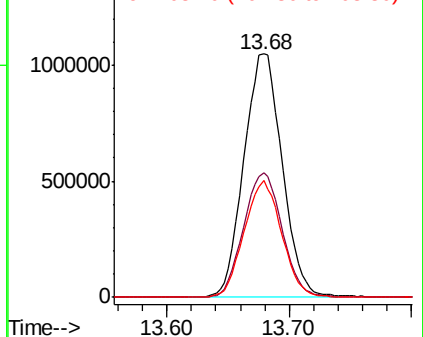
5/29/2019 12:39:49 PM



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: 10.469 ppbv

RT: 14.82 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VL033798.D

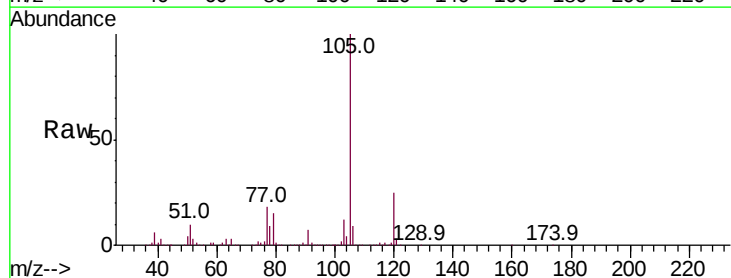
Acq: 28 May 2019 8:53

Tgt Ion:105 Resp: 3895448

Ion Ratio Lower Upper

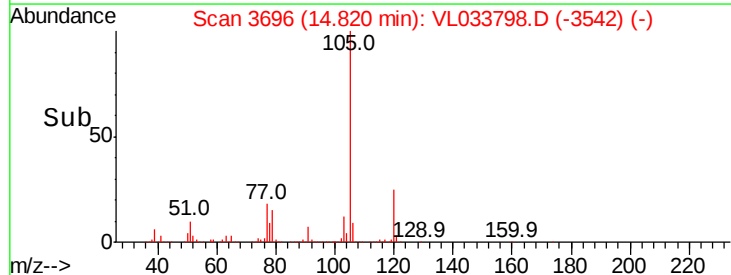
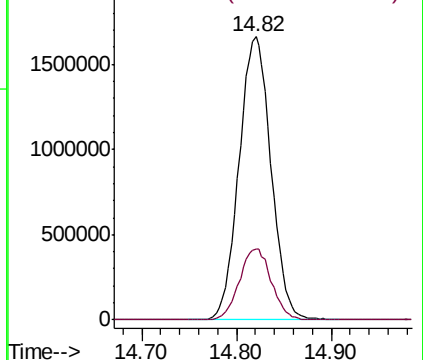
105 100

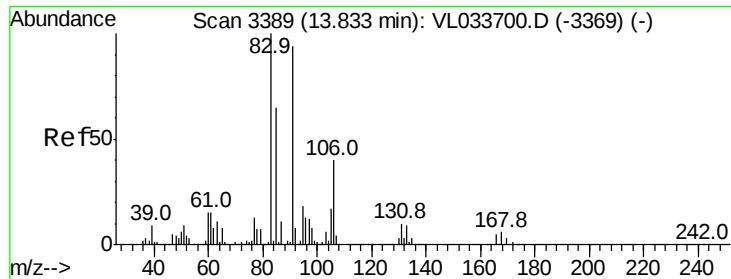
120 25.3 20.1 30.1



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: 10.210 ppbv

RT: 13.83 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 2051506

Ion Ratio Lower Upper

83 100

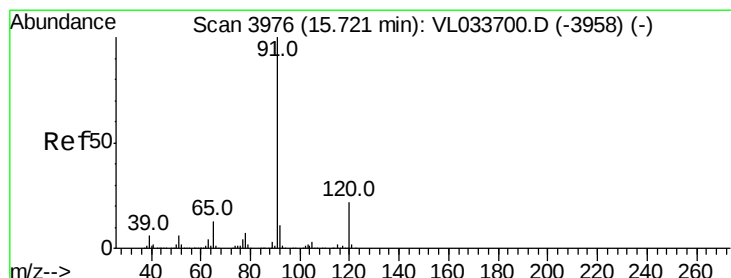
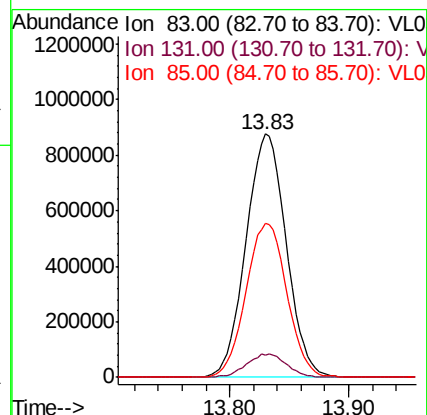
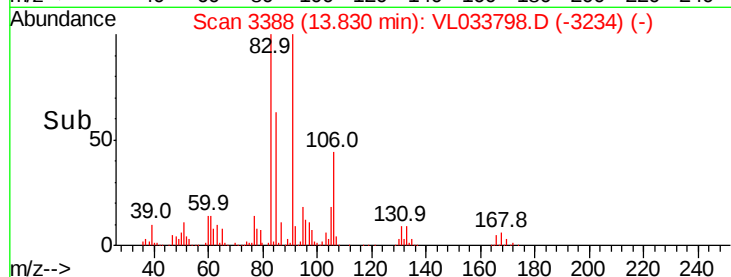
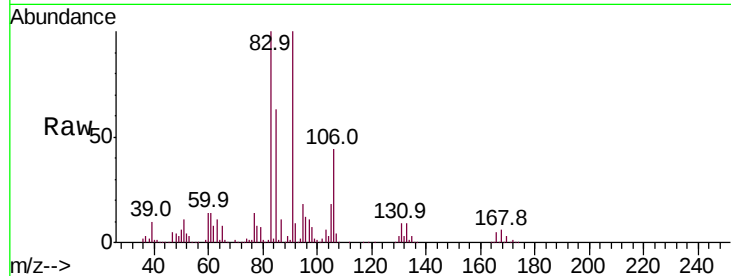
131 9.6 4.8 14.3

85 64.4 32.3 96.9

Manual Integrations
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#64

n-propylbenzene

Concen: 10.745 ppbv

RT: 15.72 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VL033798.D

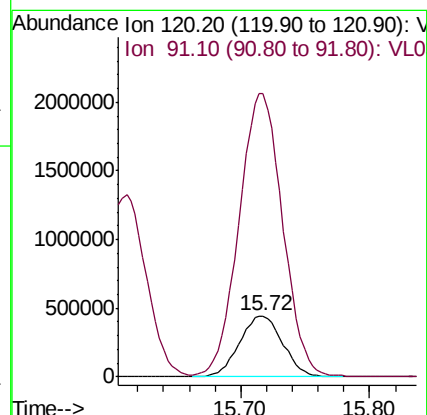
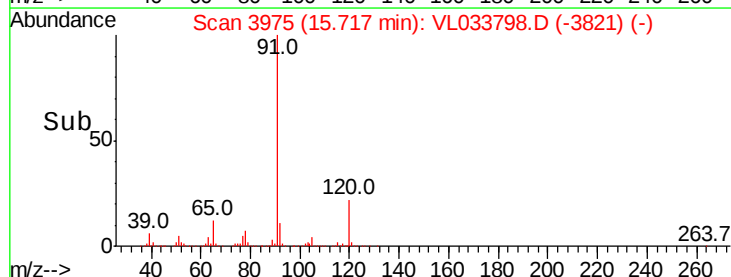
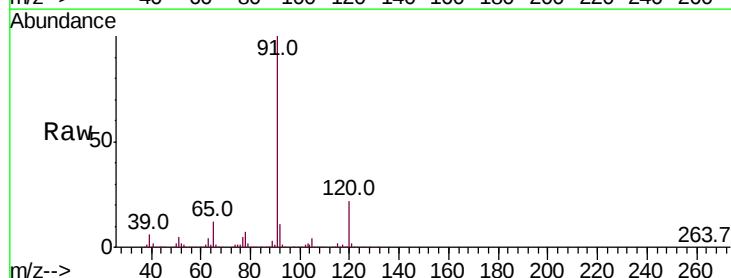
Acq: 28 May 2019 8:53

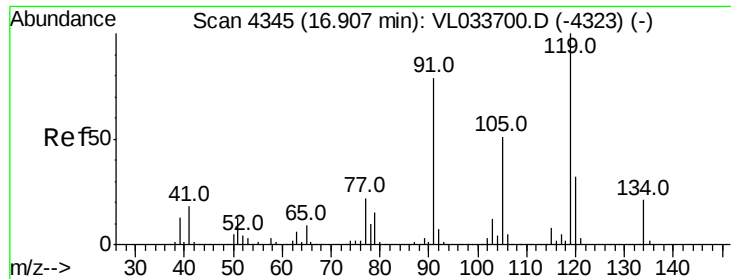
Tgt Ion: 120 Resp: 1034154

Ion Ratio Lower Upper

120 100

91 469.3 379.1 568.7





#65

tert-Butylbenzene

Concen: 10.572 ppbv

RT: 16.90 min Scan# 4343

Delta R.T. -0.01 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 3591409

Ion Ratio Lower Upper

119 100

91 81.0 65.3 97.9

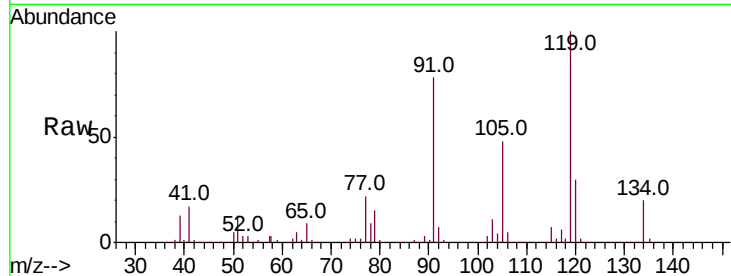
134 19.5 15.7 23.5

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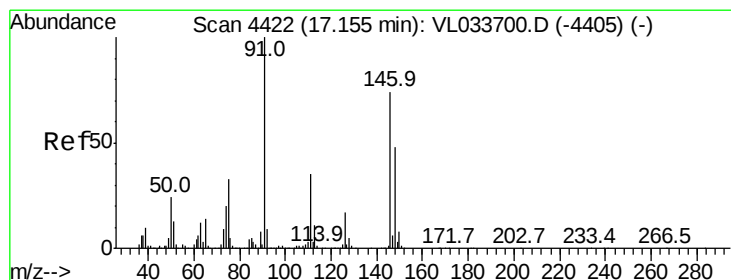
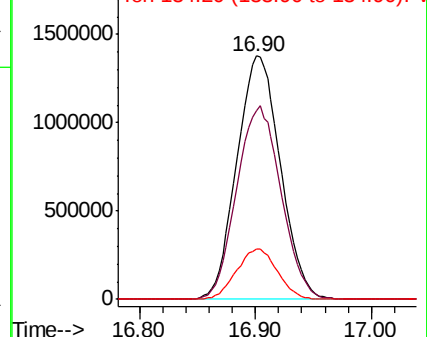
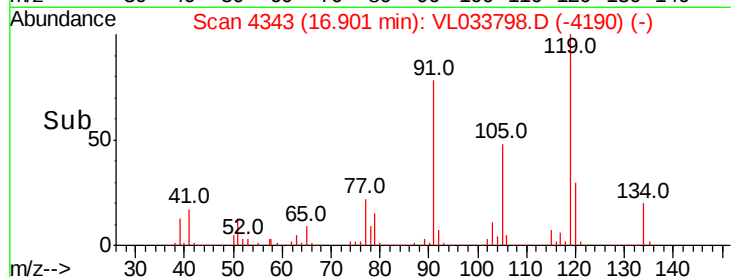
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.134 ppbv

RT: 17.15 min Scan# 4421

Delta R.T. -0.00 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

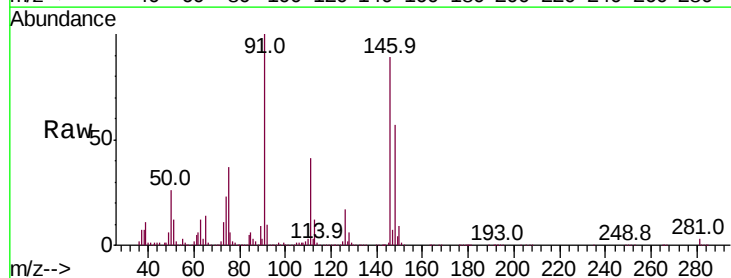
Tgt Ion: 91 Resp: 1801530

Ion Ratio Lower Upper

91 100

126 17.2 13.5 20.3

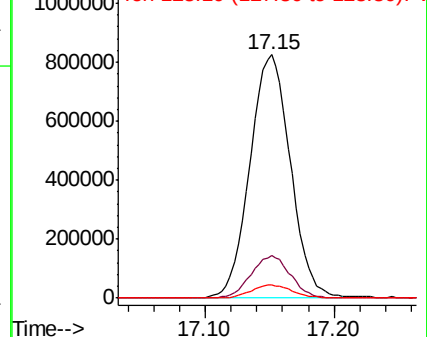
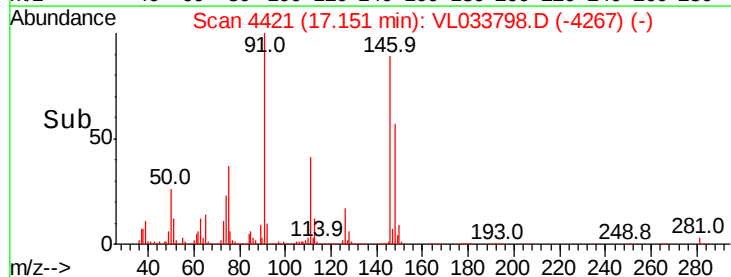
128 5.5 4.3 6.5

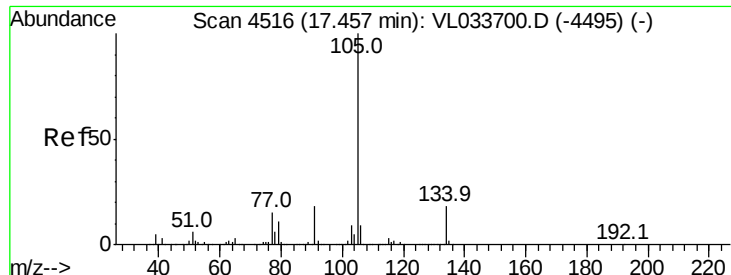


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.461 ppbv

RT: 17.45 min Scan# 4514

Delta R.T. -0.01 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 4973911

Ion Ratio Lower Upper

105 100

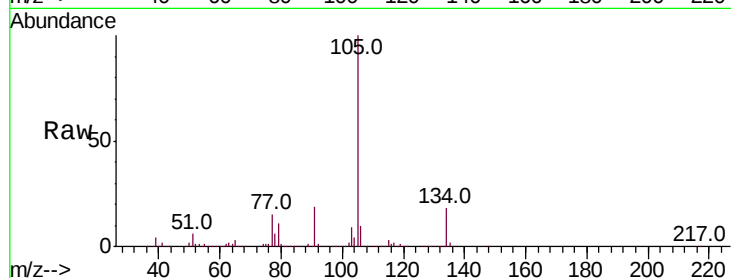
134 18.2 14.6 22.0

Manual Integrations

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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

2000000

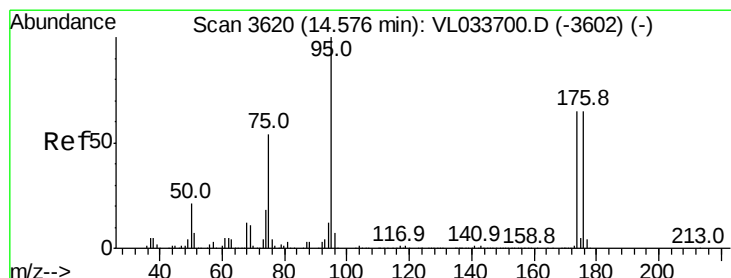
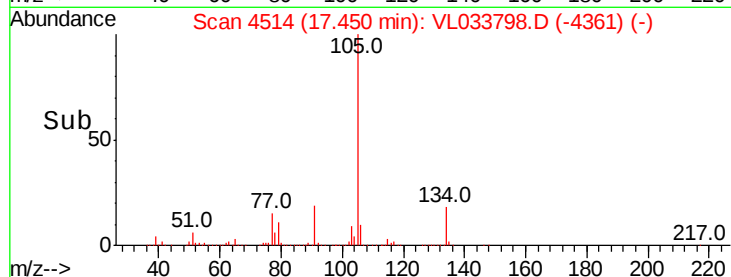
1500000

1000000

500000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.333 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

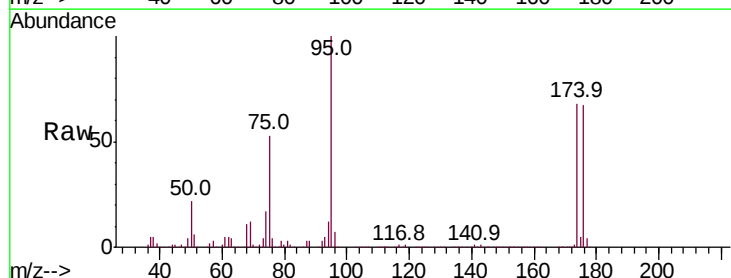
Tgt Ion: 95 Resp: 1983300

Ion Ratio Lower Upper

95 100

174 68.7 53.9 80.9

175 4.9 3.8 5.8



Abundance Ion 95.10 (94.80 to 95.80): VLO

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1200000

1000000

800000

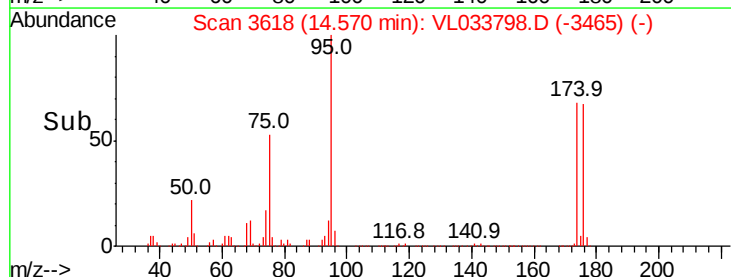
600000

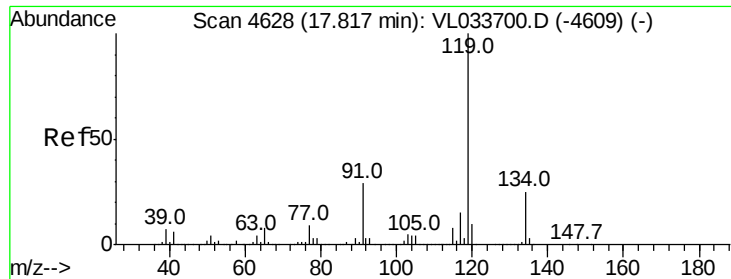
400000

200000

0

Time-->





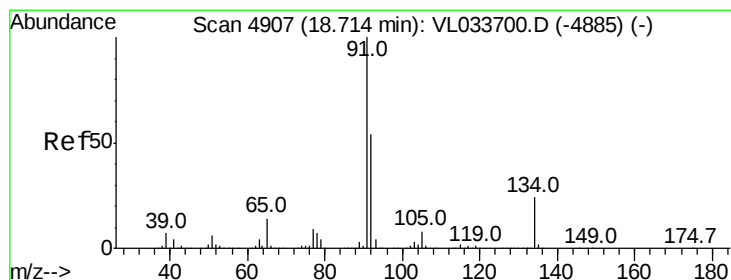
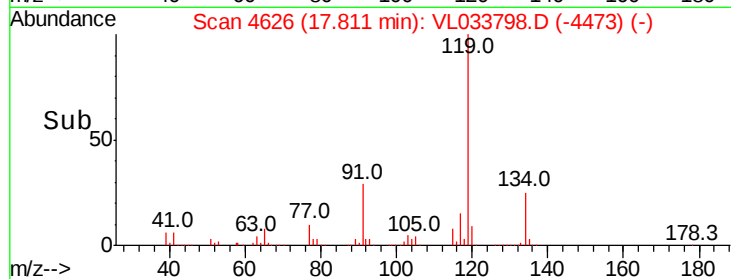
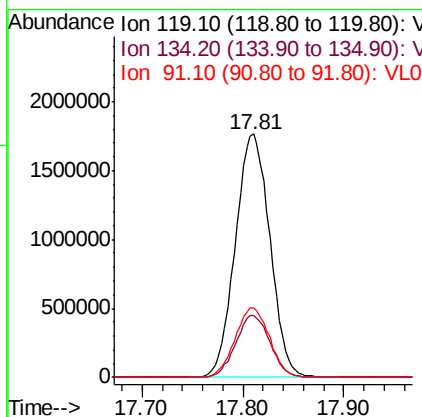
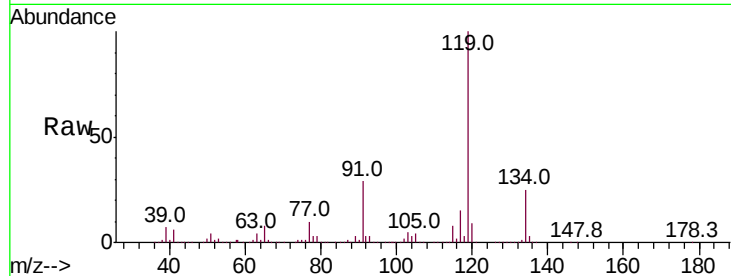
#69
 p-Isopropyltoluene
 Concen: 10.669 ppbv
 RT: 17.81 min Scan# 4626
 Delta R.T. -0.01 min
 Lab File: VL033798.D
 Acq: 28 May 2019 8:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.3	30.5
91	28.6	23.1	34.7

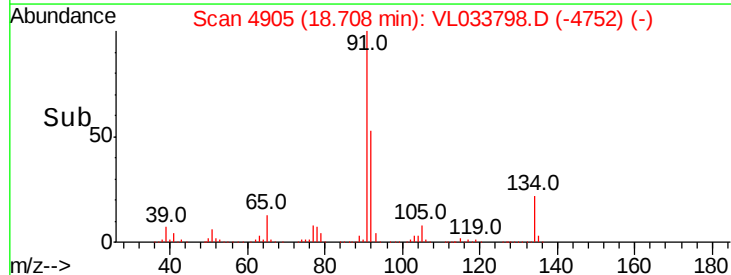
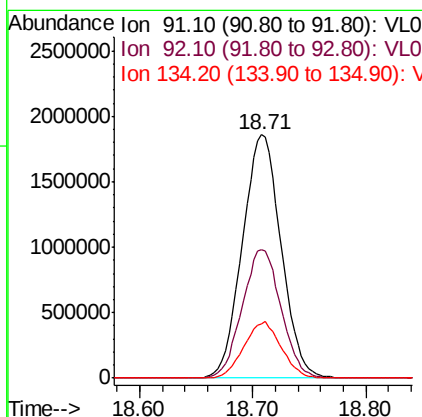
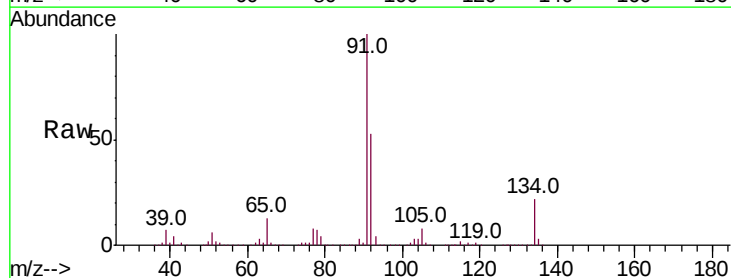
Manual Integrations
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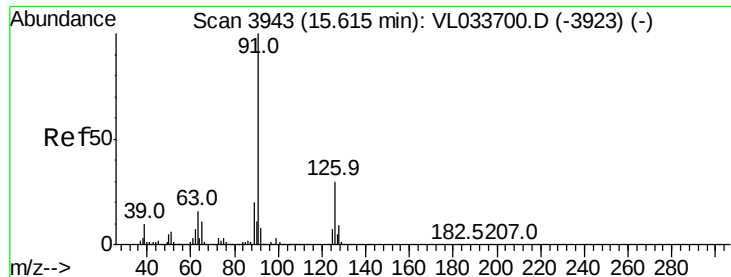
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#70
 n-Butylbenzene
 Concen: 10.469 ppbv
 RT: 18.71 min Scan# 4905
 Delta R.T. -0.01 min
 Lab File: VL033798.D
 Acq: 28 May 2019 8:53

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.1	42.6	63.8
134	22.3	18.1	27.1





#71

2-Chlorotoluene

Concen: 10.980 ppbv

RT: 15.61 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3031113

Ion Ratio Lower Upper

91 100

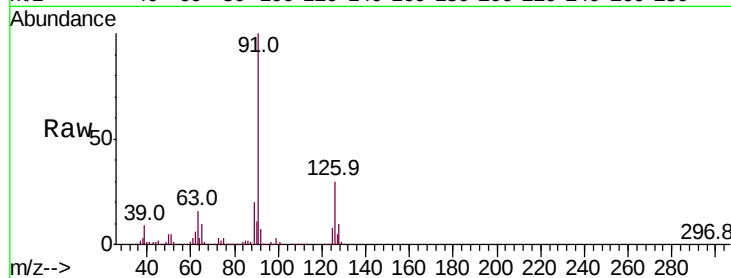
126 30.2 12.0 47.8

Manual Integrations

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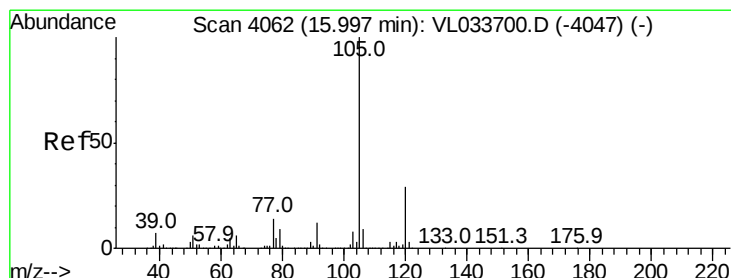
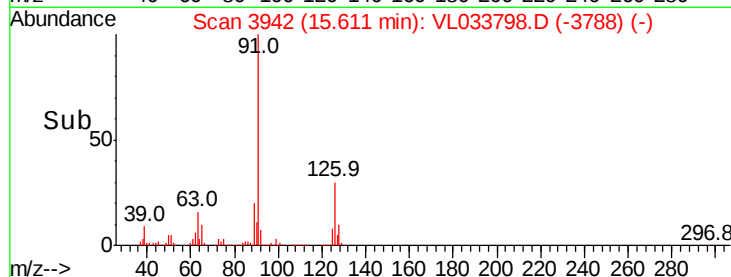
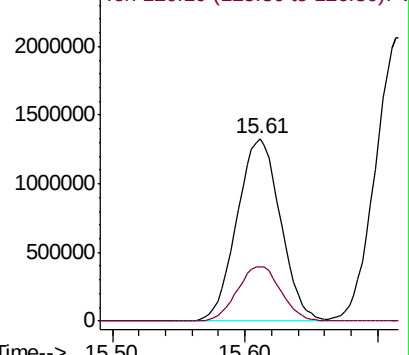
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 11.249 ppbv

RT: 15.99 min Scan# 4061

Delta R.T. -0.00 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Tgt Ion:105 Resp: 3553704

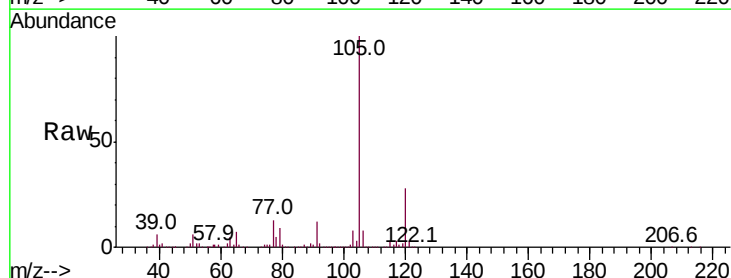
Ion Ratio Lower Upper

105 100

120 28.8 23.1 34.7

91 12.6 10.4 15.6

77 13.6 11.0 16.6

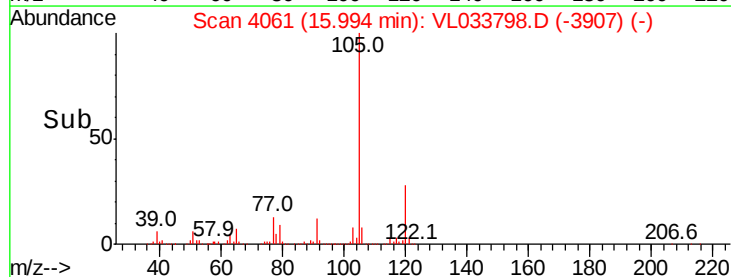
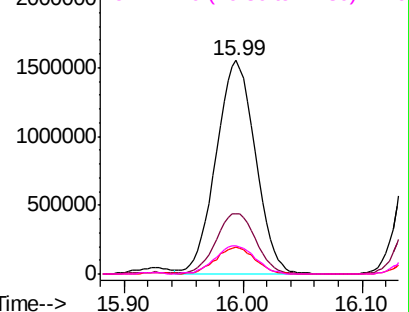


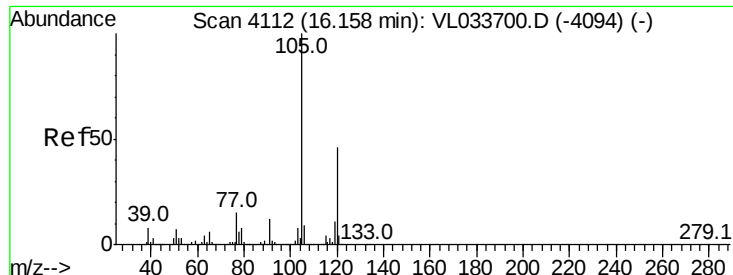
Abundance Ion 105.10 (104.80 to 105.80): V

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: 10.754 ppbv

RT: 16.15 min Scan# 4111

Delta R.T. -0.00 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 3314706

Ion Ratio Lower Upper

105 100

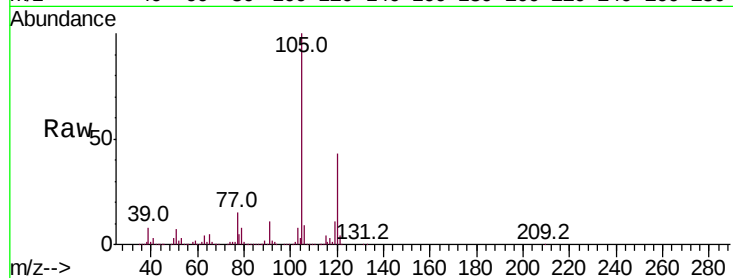
120 43.2 37.0 55.4

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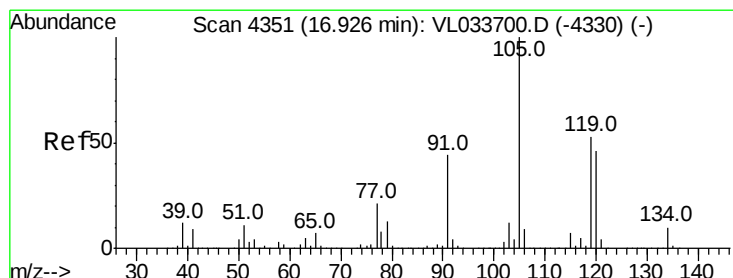
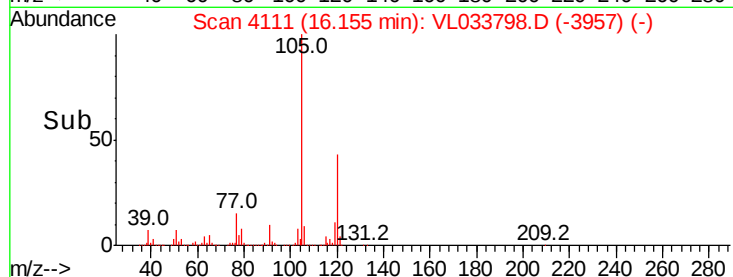
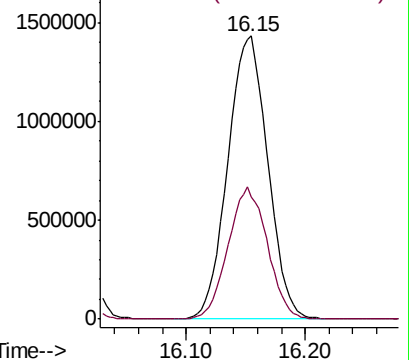
apatel

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 10.314 ppbv

RT: 16.92 min Scan# 4349

Delta R.T. -0.01 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Tgt Ion:105 Resp: 3459776

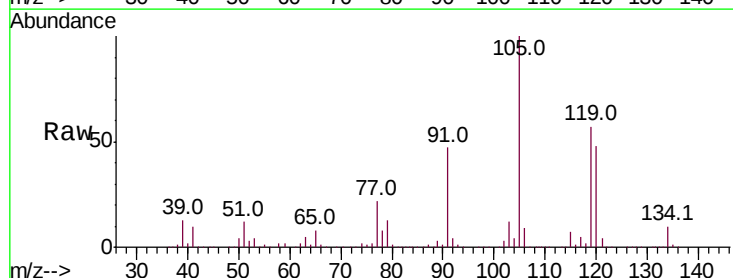
Ion Ratio Lower Upper

105 100

120 47.6 36.8 55.2

91 47.3 35.4 53.0

77 21.5 16.8 25.2

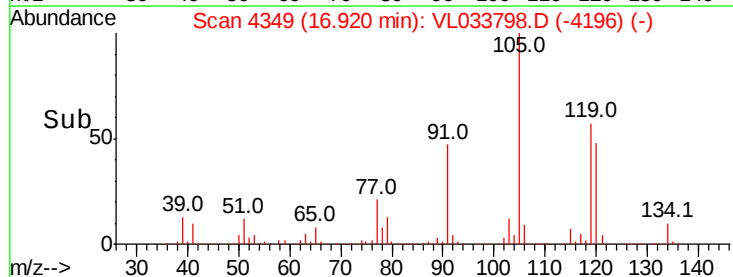
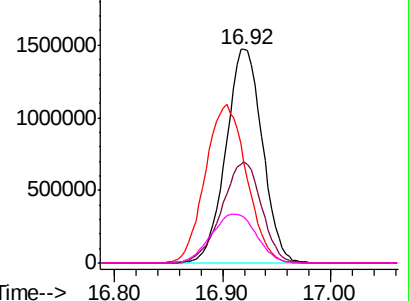


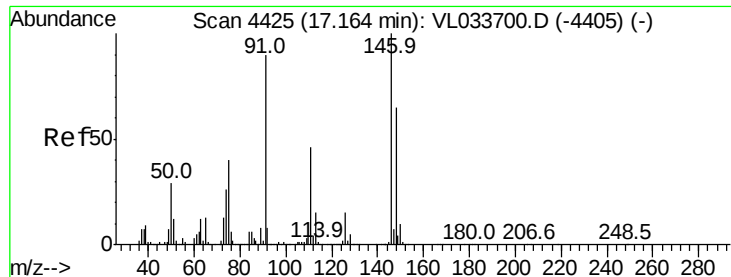
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 9.715 ppbv

RT: 17.16 min Scan# 4424

Delta R.T. -0.00 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Instrument :

MSVOA_L

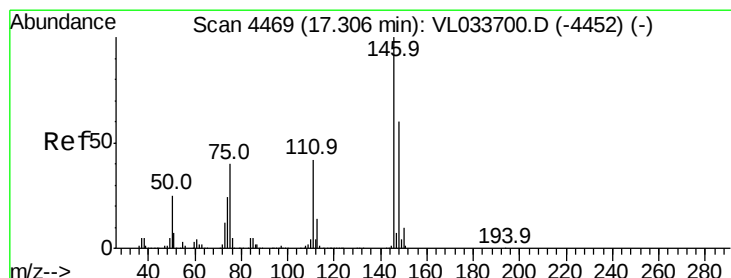
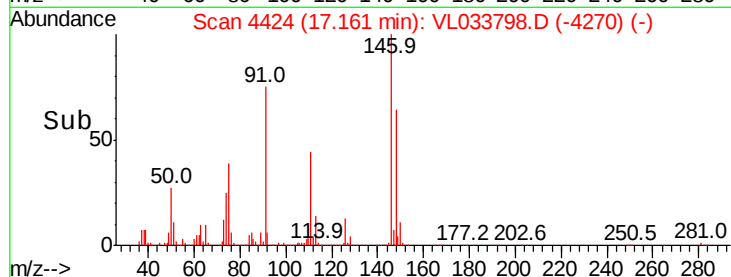
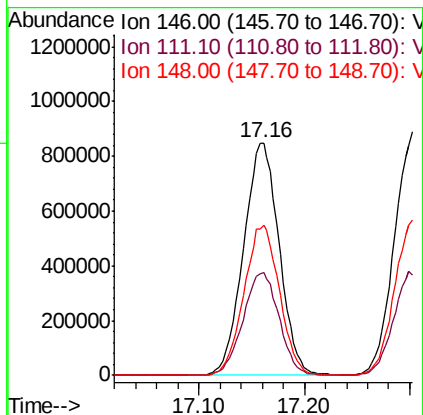
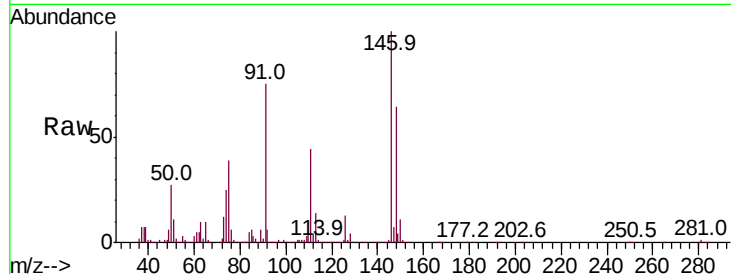
ClientSampleId :

VSTDCCC010

Tot Ion:	146	Resp:	1997051
Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.9	68.8
148	64.4	32.0	96.2

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 10.117 ppbv

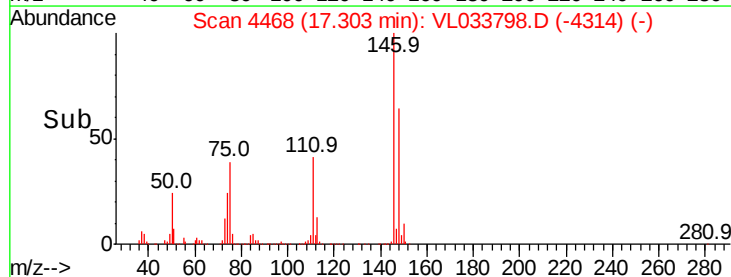
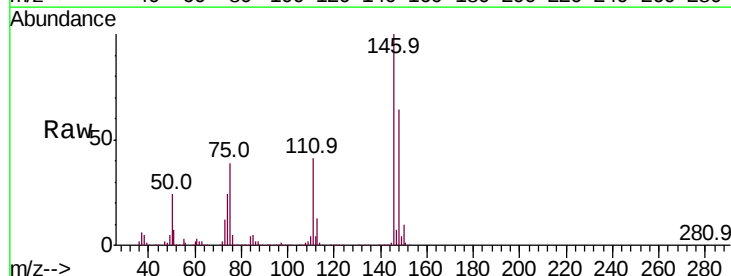
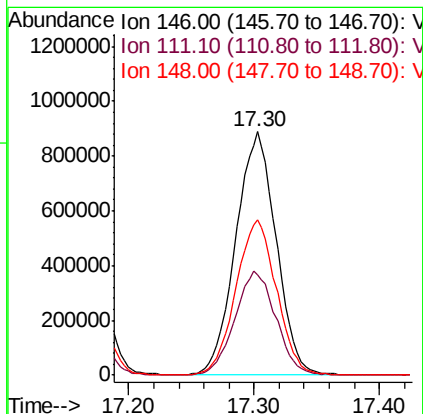
RT: 17.30 min Scan# 4468

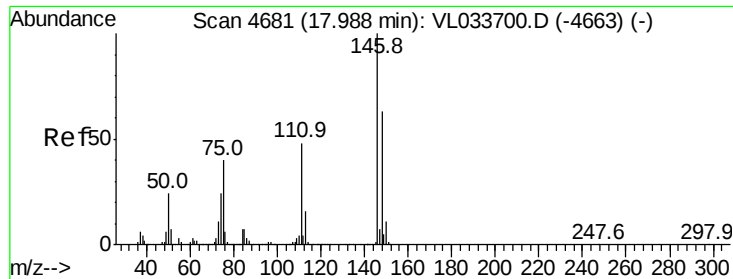
Delta R.T. -0.00 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Tgt Ion:	146	Resp:	1976625
Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.9	65.8
148	64.6	32.1	96.3





#77

1,2-Dichlorobenzene

Concen: 10.004 ppbv

RT: 17.98 min Scan# 4679

Delta R.T. -0.01 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Instrument :

MSVOA_L

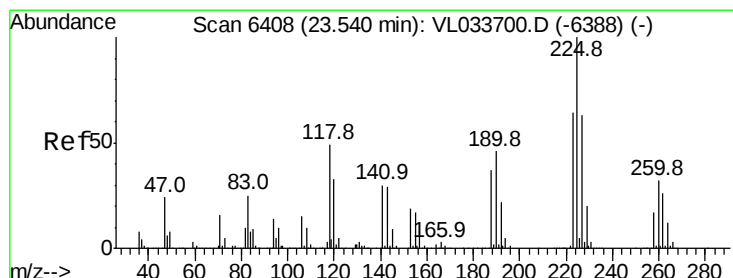
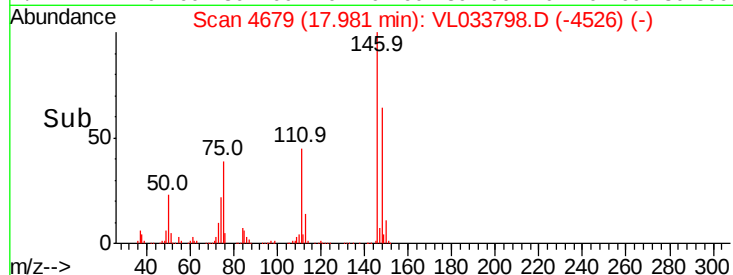
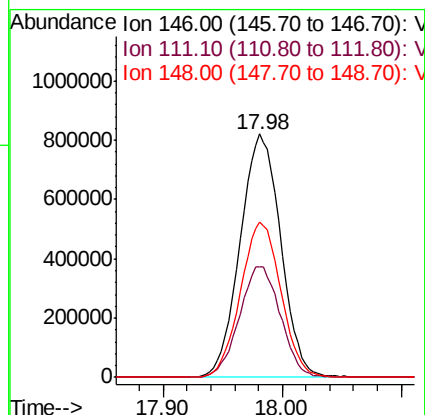
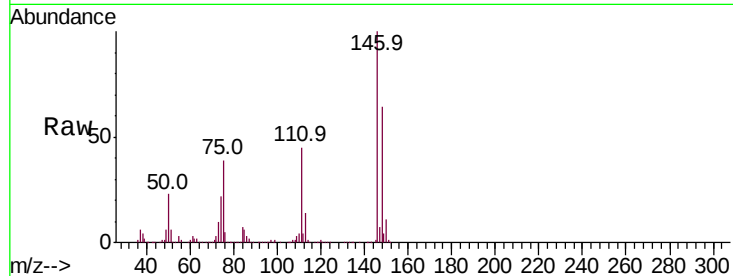
ClientSampleId :

VSTDCCC010

Tot Ion:	146	Resp:	1932340
Ion	Ratio	Lower	Upper
146	100		
111	46.3	23.5	70.5
148	63.9	32.1	96.3

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#78

Hexachloro-1,3-Butadiene

Concen: 7.216 ppbv

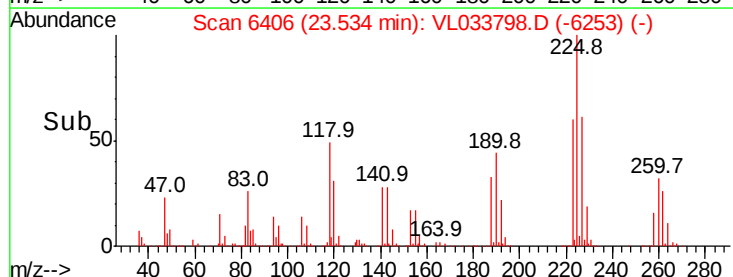
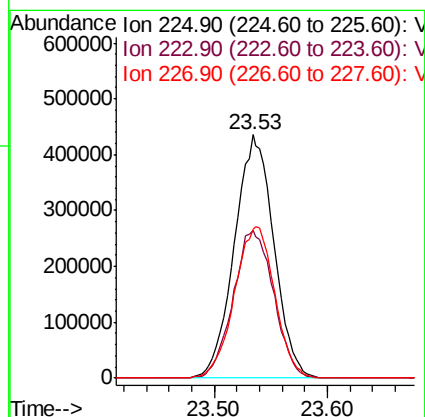
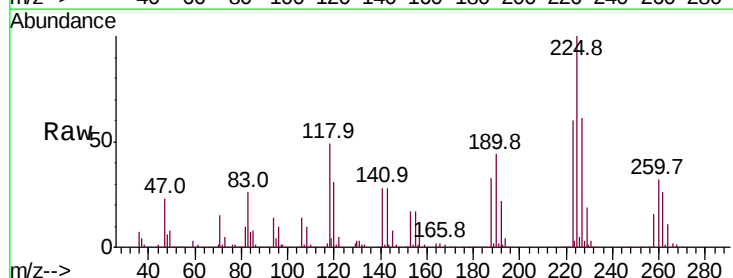
RT: 23.53 min Scan# 6406

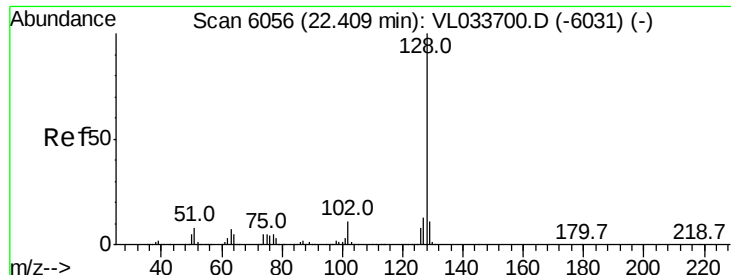
Delta R.T. -0.01 min

Lab File: VL033798.D

Acq: 28 May 2019 8:53

Tgt Ion:	225	Resp:	1053752
Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.2	75.4
227	63.6	50.7	76.1





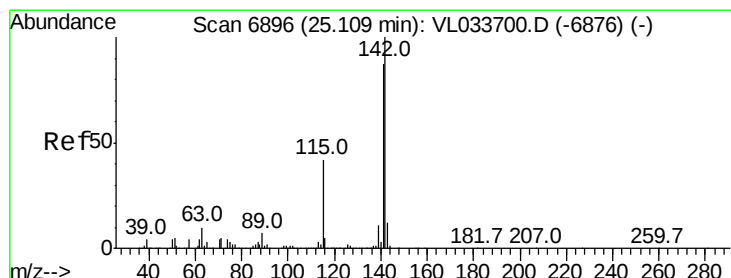
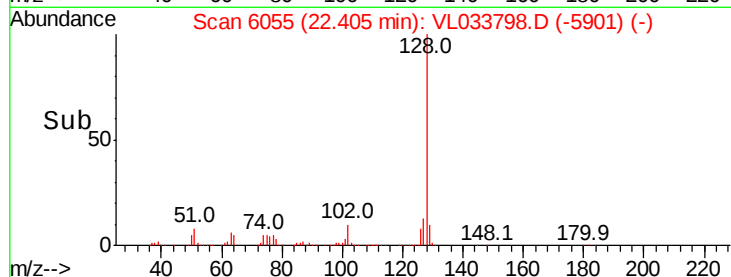
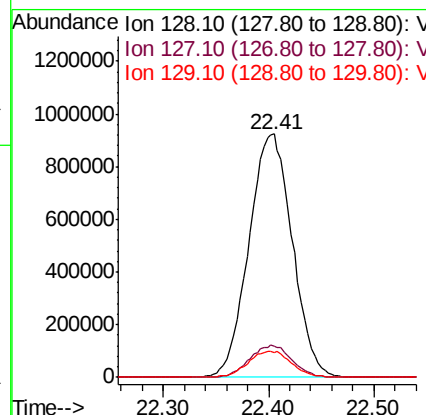
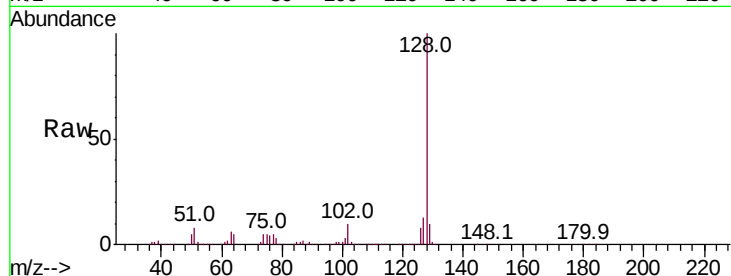
#79
Naphthalene
Concen: 8.478 ppbv
RT: 22.41 min Scan# 6055
Delta R.T. -0.00 min
Lab File: VL033798.D
Acq: 28 May 2019 8:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.2	8.9	13.3

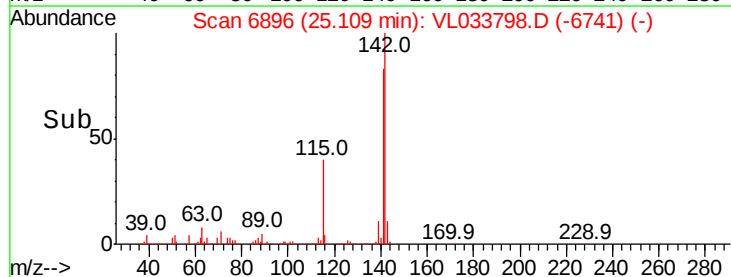
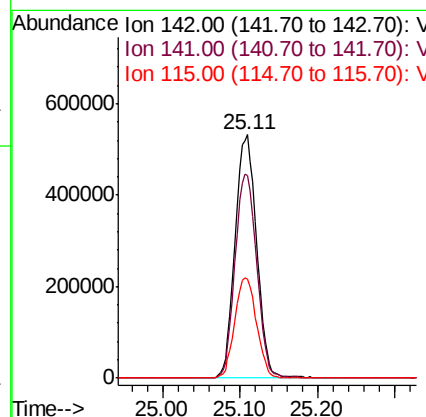
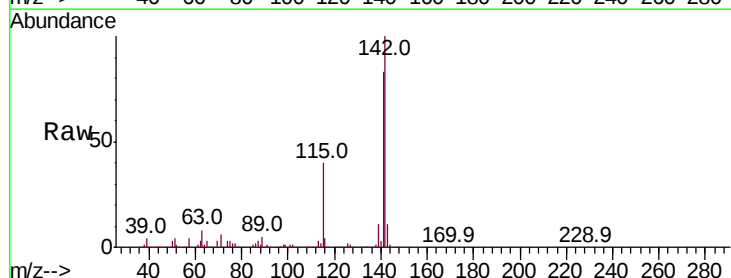
Manual Integrations
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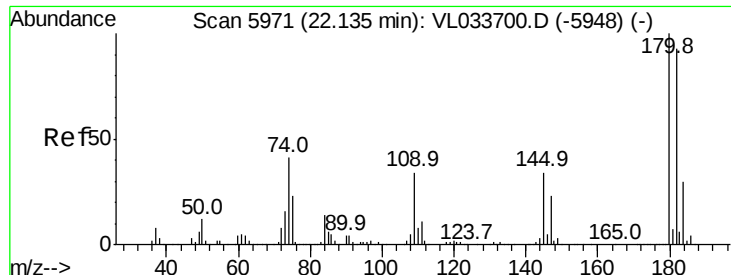
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#80
Naphthalene, 2-methyl-
Concen: 8.586 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. -0.00 min
Lab File: VL033798.D
Acq: 28 May 2019 8:53

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.5	67.2	100.8
115	41.7	34.1	51.1





#81
 1,2,4-Trichlorobenzene
 Concen: 8.341 ppbv
 RT: 22.13 min Scan# 5968
 Delta R.T. -0.01 min
 Lab File: VL033798.D
 Acq: 28 May 2019 8:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.1	114.1
184	30.8	24.6	37.0

Manual Integrations
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