

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052819\
 Data File : VL033808.D
 Acq On : 28 May 2019 17:01
 Operator : SY/AP
 Sample : VL0528ABS01DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0528ABS01DUP

Manual Integrations
 APPROVED

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 5/29/2019 12:40:23 PM

Quant Time: May 29 05:23:31 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	904359	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2433708	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2468082	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1839646	9.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	1404220	7.368	ppbv	99
3) Chlorodifluoromethane	3.01	51	1022543	9.871	ppbv	98
4) Chloromethane	3.17	50	628985	10.616	ppbv	97
5) Vinyl Chloride	3.29	62	613711	10.168	ppbv	99
6) Bromomethane	3.51	94	387322	10.517	ppbv	100
7) Chloroethane	3.60	64	227033	10.585	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1507336	9.810	ppbv	96
9) Propene	3.03	41	495853	11.254	ppbv	100
10) Heptane	8.24	43	1253865	10.049	ppbv	100
11) Trichlorofluoromethane	4.00	101	1653126	9.088	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1146602	9.027	ppbv	96
13) Ethanol	3.64	45	108396	7.611	ppbv	99
14) Bromoethene	3.78	108	505692	10.829	ppbv	98
15) Acetone	3.90	43	1090051	8.687	ppbv	99
16) 1,3-Butadiene	3.36	39	535827	10.724	ppbv	100
17) tert-Butyl alcohol	4.35	59	1099656	10.838	ppbv	99
18) 1,1-Dichloroethene	4.35	96	519975	9.698	ppbv	96
19) Isopropyl Alcohol	4.02	45	823971	10.185	ppbv	100
20) Methylene Chloride	4.40	84	440537	9.119	ppbv	96
21) Allyl Chloride	4.47	41	760993	9.723	ppbv	98
22) trans-1,2-Dichloroethene	4.96	96	527382	9.597	ppbv	96
23) Vinyl Acetate	5.15	43	1798079	10.868	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1240043	9.860	ppbv	99
25) Ethyl Acetate	5.77	43	2156324	9.783	ppbv	100
26) Hexane	5.78	57	977710	10.318	ppbv	97
27) Carbon Disulfide	4.62	76	1270627	9.774	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1699572	11.002	ppbv	100
29) Chloroform	5.85	83	1594590	9.136	ppbv	99
30) Cyclohexane	7.24	84	880091	11.048	ppbv	96
31) cis-1,2-Dichloroethene	5.64	61	971996	10.345	ppbv	95
32) 1,1,1-Trichloroethane	6.62	97	1617990	9.284	ppbv	99
34) 2-Butanone	5.32	43	1410003	9.347	ppbv	97
35) Carbon Tetrachloride	7.13	117	1711429	8.779	ppbv	97
36) Benzene	7.00	78	2069336	9.347	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1155621	8.092	ppbv	98
38) Trichloroethene	7.96	130	863739	10.514	ppbv	99
39) 1,2-Dichloropropane	7.73	63	789173	9.561	ppbv	95
40) 1,4-Dioxane	7.95	88	335399	9.714	ppbv #	92
41) Tetrahydrofuran	6.14	42	815175	9.645	ppbv	99
42) Bromodichloromethane	7.91	83	1780921	9.109	ppbv	97
43) Methyl Methacrylate	8.13	69	864304	10.609	ppbv	95

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Manual Integrations
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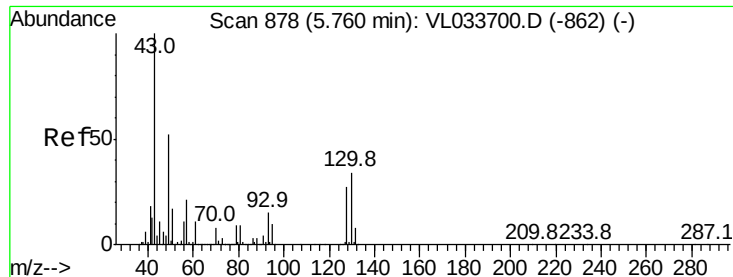
apatel
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 1
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.99	57	3488329	9.323	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	1088762	10.541	ppbv	98
46) cis-1,3-Dichloropropene	8.83	75	1238292	10.239	ppbv	93
47) 1,1,2-Trichloroethane	9.61	97	881550	9.402	ppbv	97
48) Dibromochloromethane	10.44	129	1494757	9.200	ppbv	99
49) Bromoform	13.20	173	1375343	10.061	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	2115898	9.119	ppbv	99
51) 2-Hexanone	10.26	43	1748327	9.654	ppbv #	98
52) Tetrachloroethene	11.36	164	796426	10.234	ppbv	97
53) Toluene	9.94	91	2440418	10.220	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1368469	9.564	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.27	131	1022934	8.957	ppbv	96
57) Chlorobenzene	12.30	112	1848474	9.099	ppbv	97
58) Ethyl Benzene	12.86	91	3417339	10.456	ppbv	100
59) m/p-Xylene	13.15	91	5566683m	19.484	ppbv	
60) o-Xylene	13.85	91	2777907	9.645	ppbv	98
61) Styrene	13.68	104	2151350	11.095	ppbv	98
62) Isopropylbenzene	14.82	105	3789552	9.770	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.83	83	1899545	9.069	ppbv	100
64) n-propylbenzene	15.72	120	962097	9.590	ppbv	99
65) tert-Butylbenzene	16.90	119	3389249	9.571	ppbv	98
66) Benzyl Chloride	17.15	91	1698482	10.070	ppbv	98
67) sec-Butylbenzene	17.45	105	4822377	9.729	ppbv	100
69) p-Isopropyltoluene	17.81	119	4025198	9.825	ppbv	99
70) n-Butylbenzene	18.71	91	4179159	9.513	ppbv	100
71) 2-Chlorotoluene	15.61	91	2837481	9.860	ppbv	98
72) 4-Ethyltoluene	16.00	105	3338988	10.140	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	3144722	9.788	ppbv	99
74) 1,2,4-Trimethylbenzene	16.92	105	3236107	9.255	ppbv	96
75) 1,3-Dichlorobenzene	17.16	146	1933815	9.025	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1917425	9.415	ppbv	99
77) 1,2-Dichlorobenzene	17.98	146	1875205	9.314	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	1222235	8.029	ppbv	99
79) Naphthalene	22.40	128	2609664	8.035	ppbv	98
80) Naphthalene, 2-methyl-	25.11	142	1029614	8.343	ppbv	99
81) 1,2,4-Trichlorobenzene	22.13	180	1502606	7.901	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

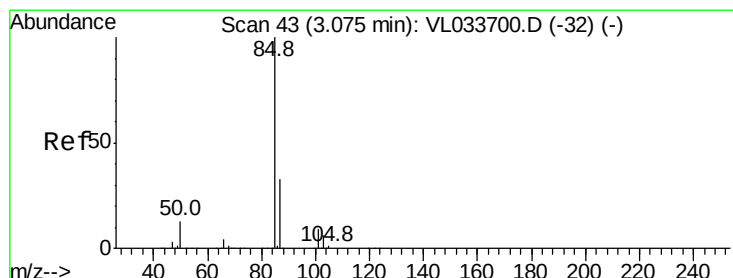
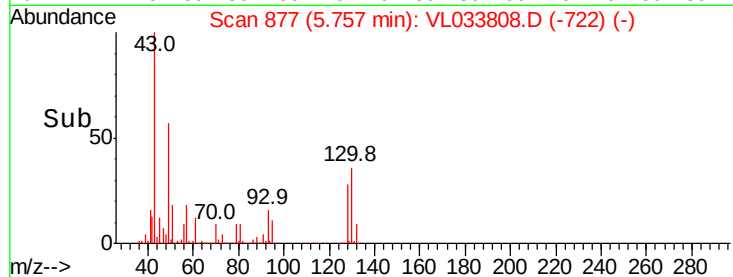
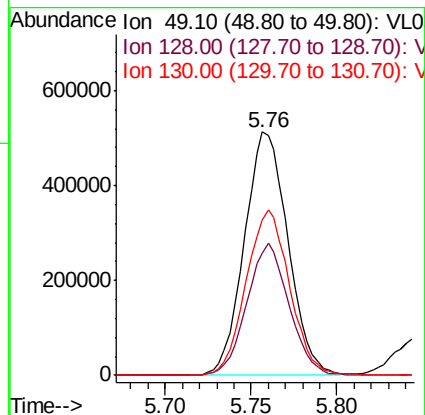
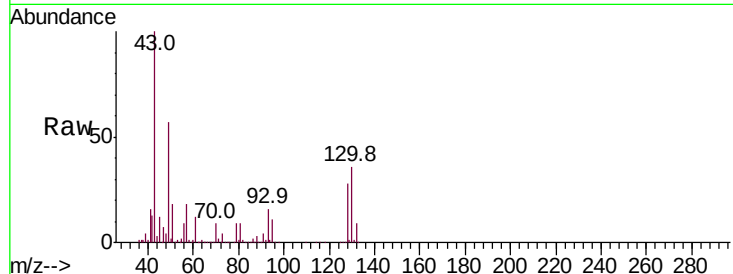
ClientSampleId :

VL0528ABS01DUP

Tot Ion:	49	Resp:	904359
Ion	Ratio	Lower	Upper
49	100		
128	52.4	25.2	75.6
130	67.9	32.5	97.5

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#2

Dichlorodifluoromethane

Concen: 7.368 ppbv

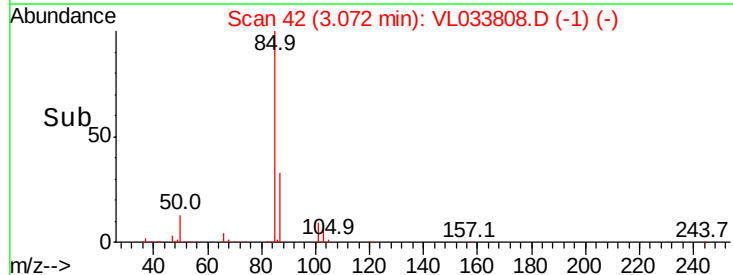
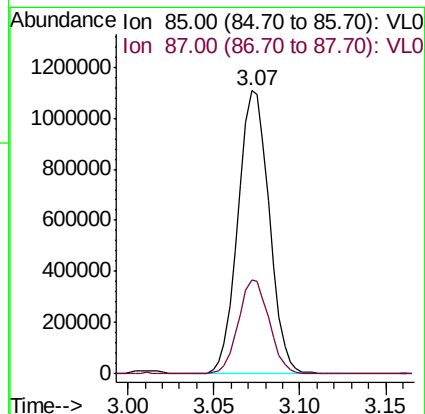
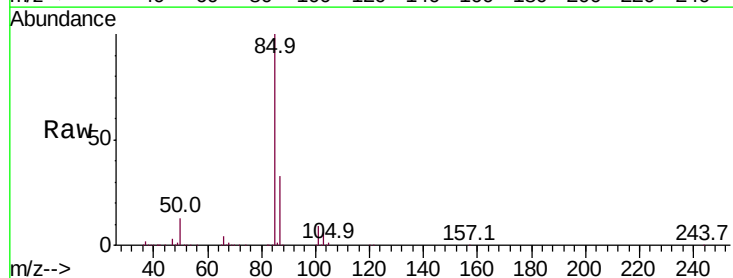
RT: 3.07 min Scan# 42

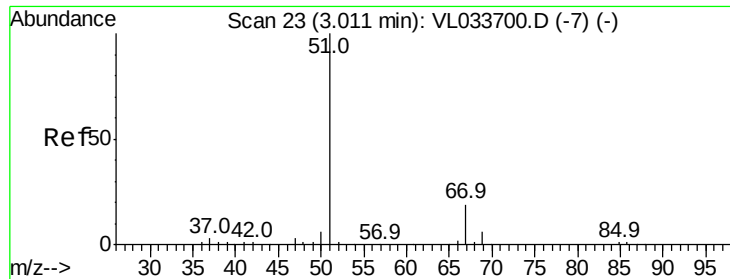
Delta R.T. -0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

Tgt Ion:	85	Resp:	1404220
Ion	Ratio	Lower	Upper
85	100		
87	33.2	26.3	39.5





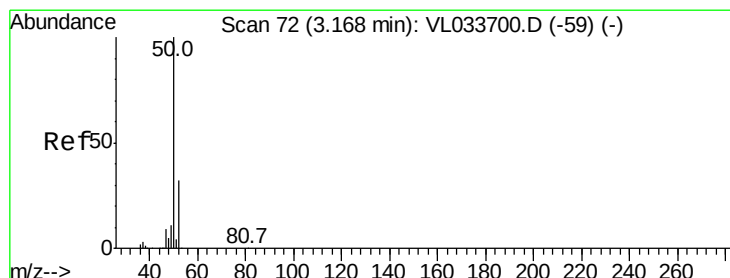
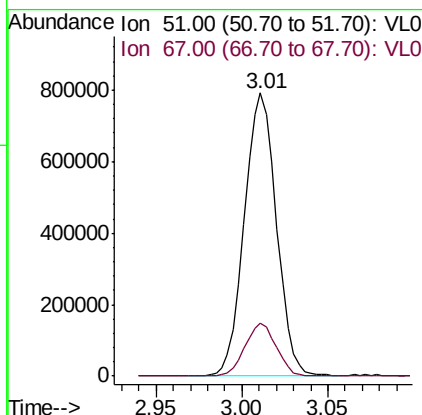
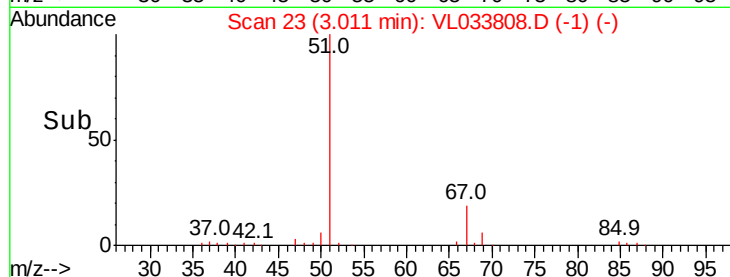
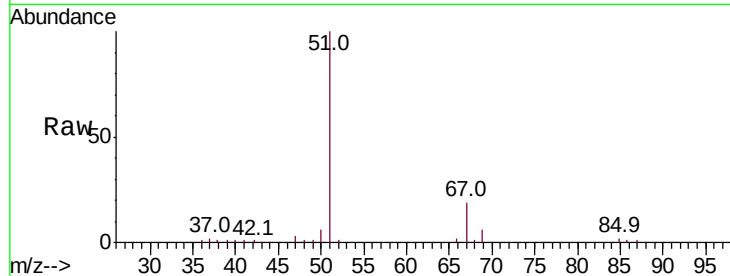
#3
Chlorodifluoromethane
Concen: 9.871 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033808.D
Acq: 28 May 2019 17:01

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ClientSampleId :
VL0528ABS01DUP

Tot Ion: 51 Resp: 1022543
Ion Ratio Lower Upper
51 100
67 18.5 15.6 23.4

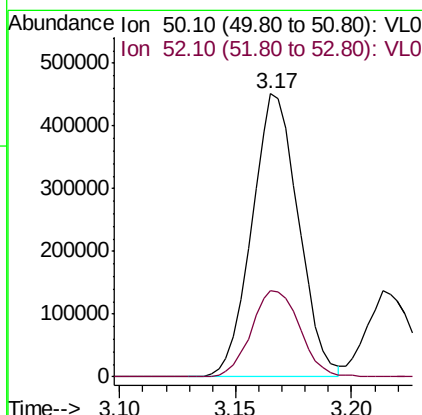
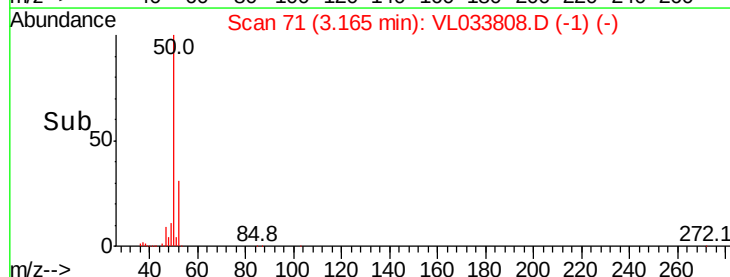
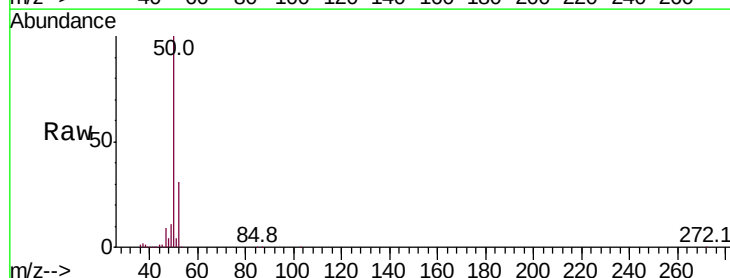
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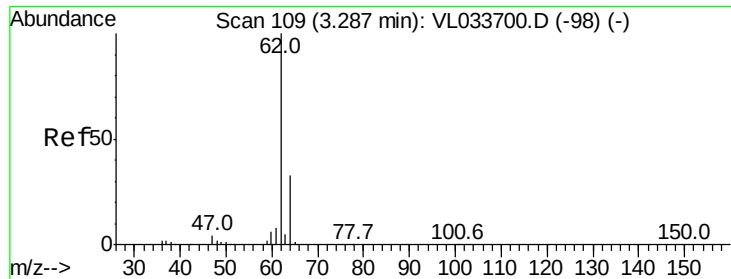
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#4
Chloromethane
Concen: 10.616 ppbv
RT: 3.17 min Scan# 71
Delta R.T. -0.00 min
Lab File: VL033808.D
Acq: 28 May 2019 17:01

Tgt Ion: 50 Resp: 628985
Ion Ratio Lower Upper
50 100
52 30.6 25.7 38.5





#5

Vinyl Chloride

Concen: 10.168 ppbv

RT: 3.29 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion: 62 Resp: 613711

Ion Ratio Lower Upper

62 100

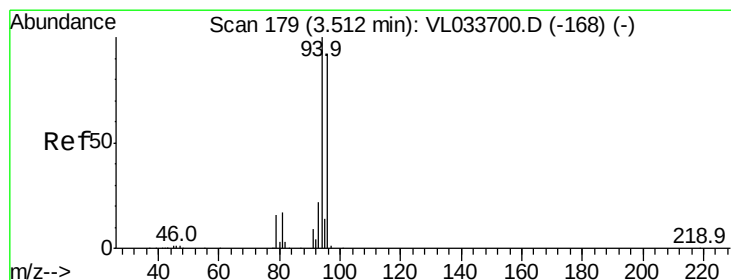
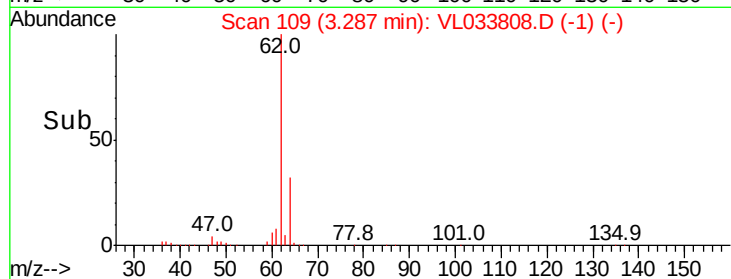
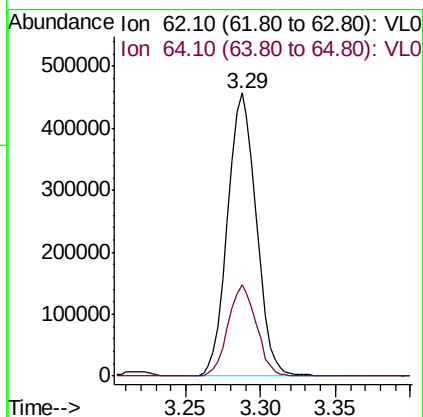
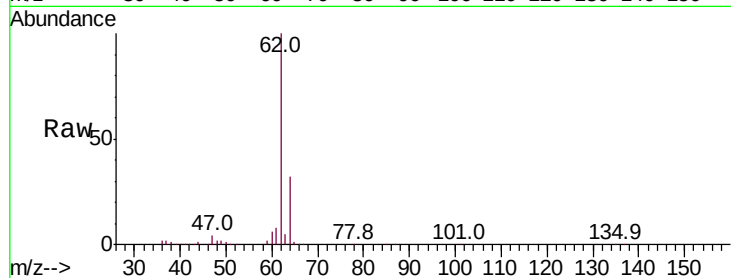
64 32.4 26.4 39.6

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#6

Bromomethane

Concen: 10.517 ppbv

RT: 3.51 min Scan# 178

Delta R.T. -0.00 min

Lab File: VL033808.D

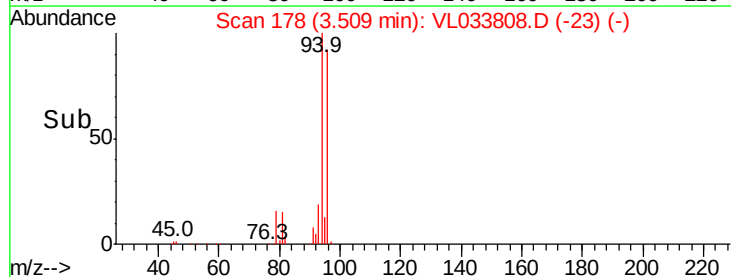
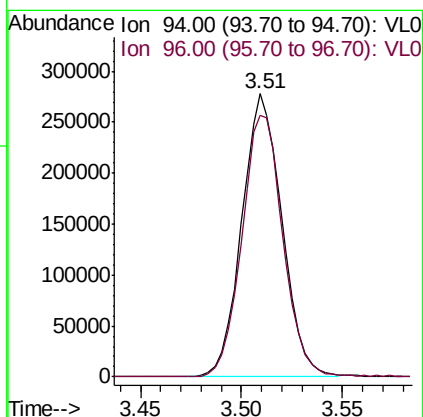
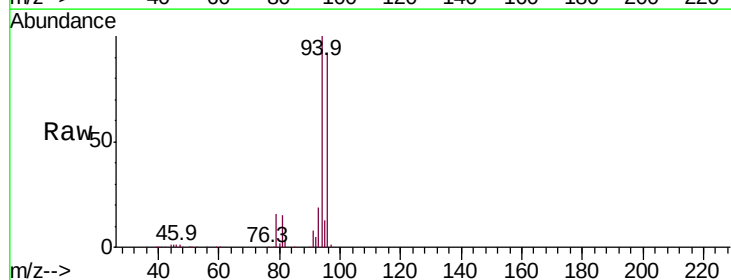
Acq: 28 May 2019 17:01

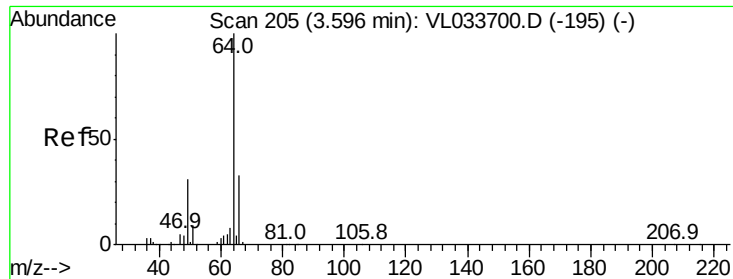
Tgt Ion: 94 Resp: 387322

Ion Ratio Lower Upper

94 100

96 92.3 73.6 110.4





#7

Chloroethane

Concen: 10.585 ppbv

RT: 3.60 min Scan# 205

Delta R.T. 0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion: 64 Resp: 227033

Ion Ratio Lower Upper

64 100

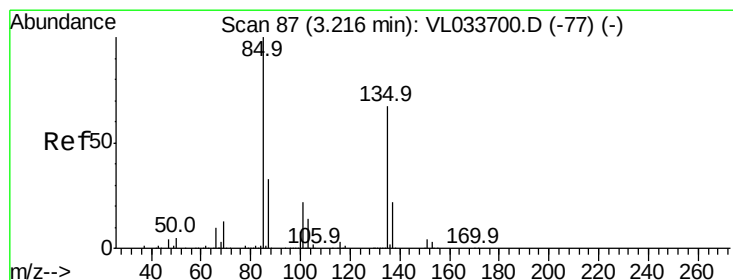
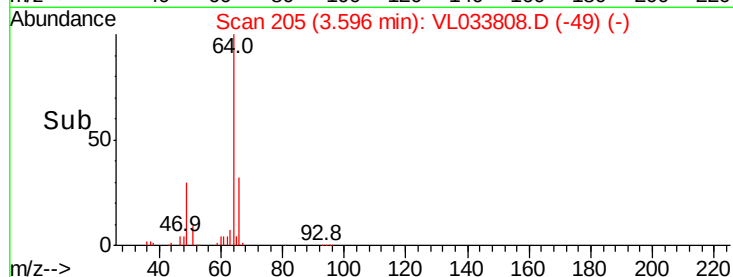
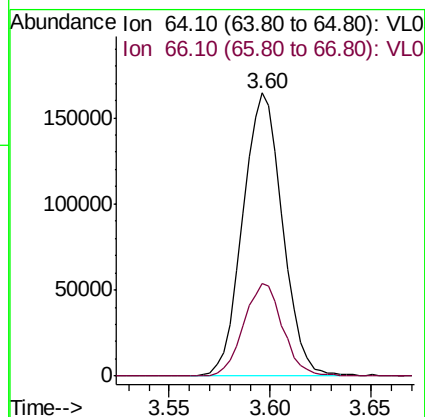
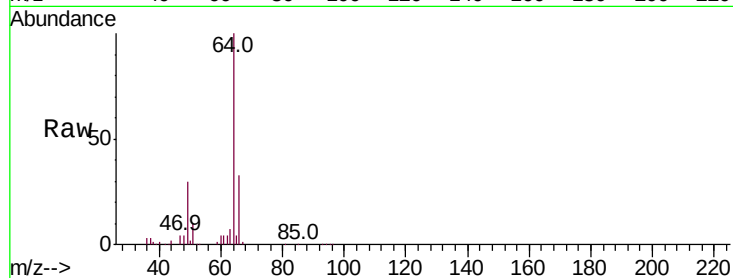
66 33.0 26.6 40.0

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#8

Dichlorotetrafluoroethane

Concen: 9.810 ppbv

RT: 3.22 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL033808.D

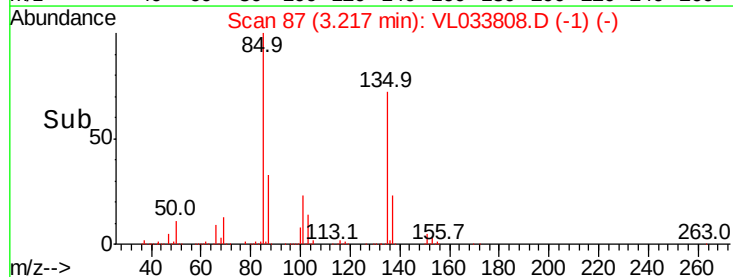
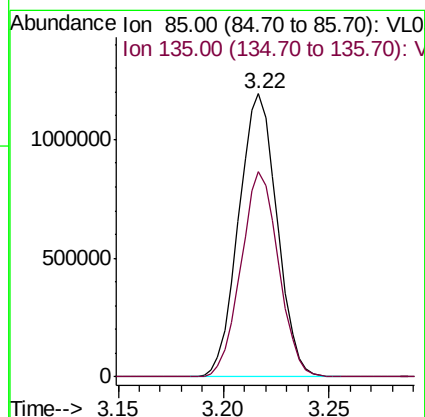
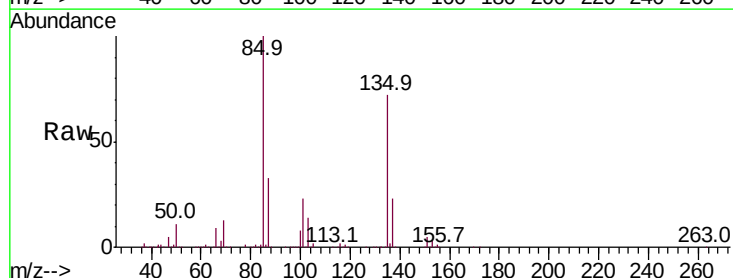
Acq: 28 May 2019 17:01

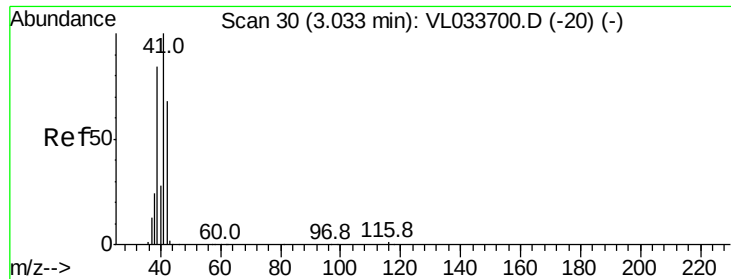
Tgt Ion: 85 Resp: 1507336

Ion Ratio Lower Upper

85 100

135 71.4 54.5 81.7





#9

Propene

Concen: 11.254 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion: 41 Resp: 495853

Ion Ratio Lower Upper

41 100

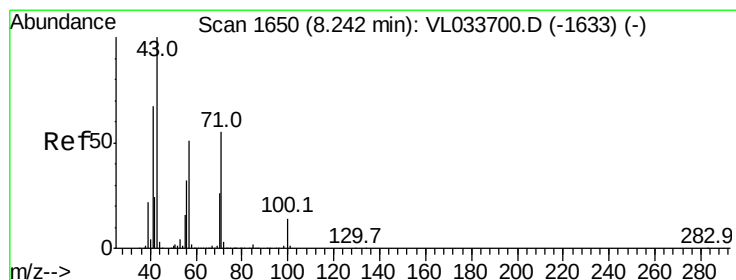
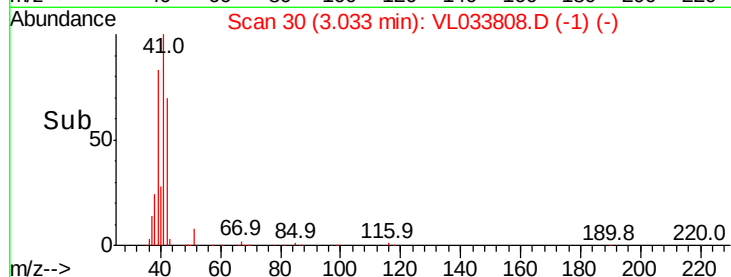
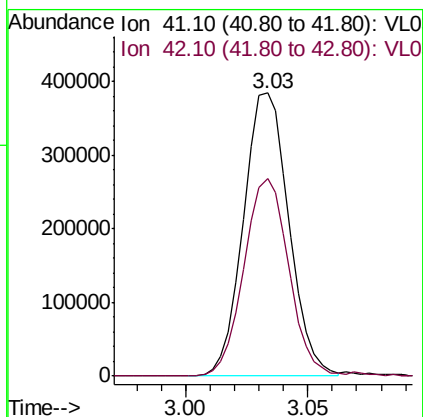
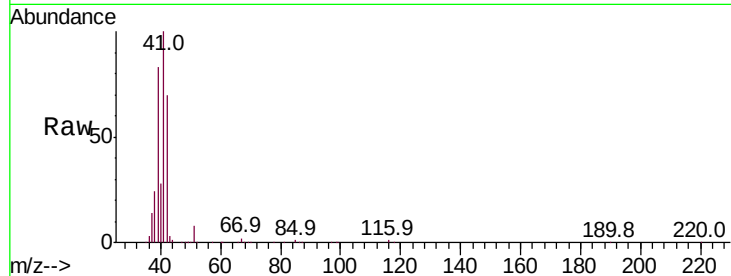
42 69.8 56.1 84.1

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#10

Heptane

Concen: 10.049 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VL033808.D

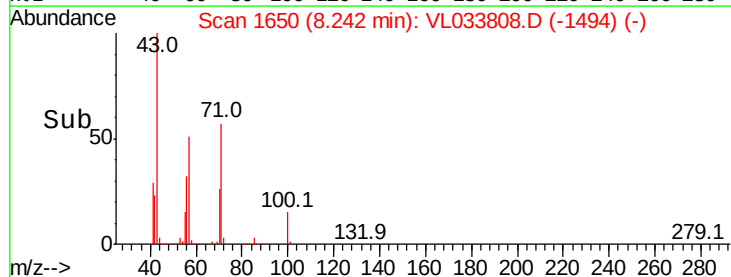
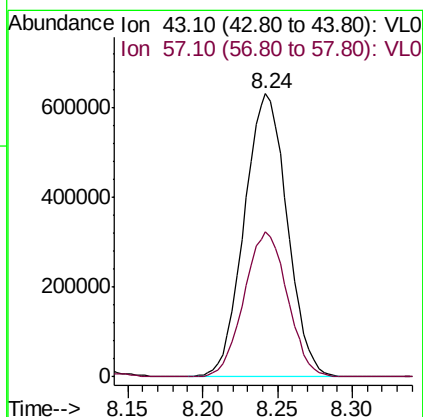
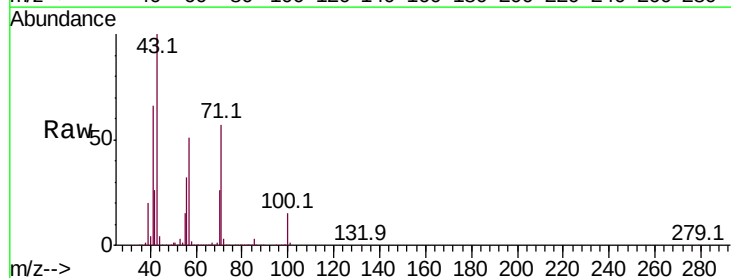
Acq: 28 May 2019 17:01

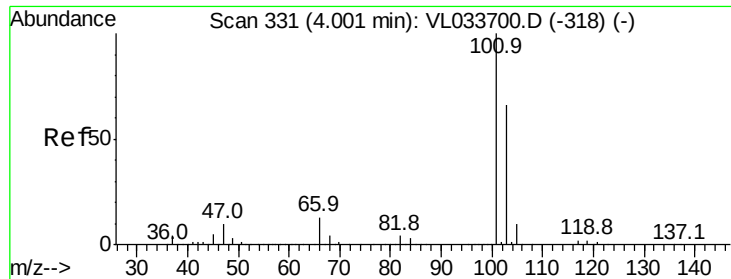
Tgt Ion: 43 Resp: 1253865

Ion Ratio Lower Upper

43 100

57 51.9 41.4 62.0





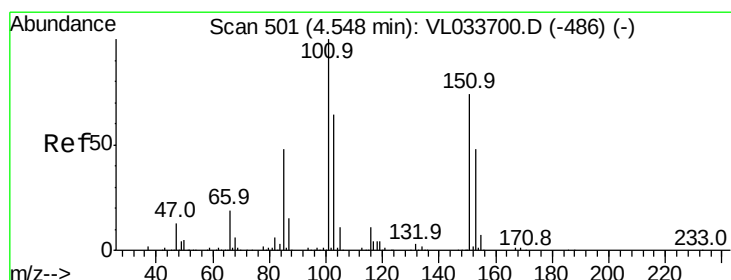
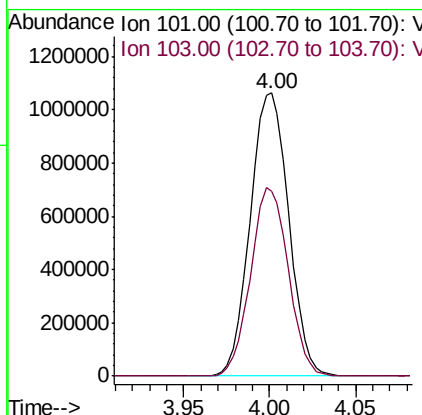
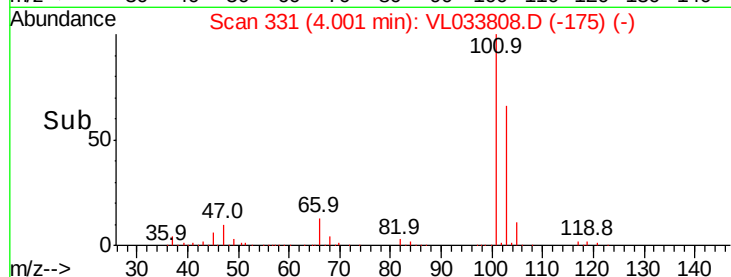
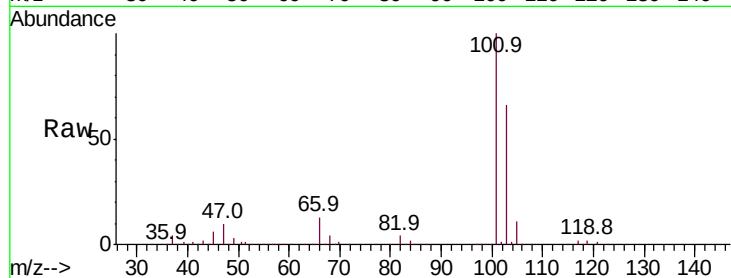
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 Trichlorofluoromethane
 Concen: 9.088 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. 0.00 min
 Lab File: VL033808.D
 Acq: 28 May 2019 17:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

Tot Ion:101 Resp: 1653126
 Ion Ratio Lower Upper
 101 100
 103 65.5 52.6 78.8

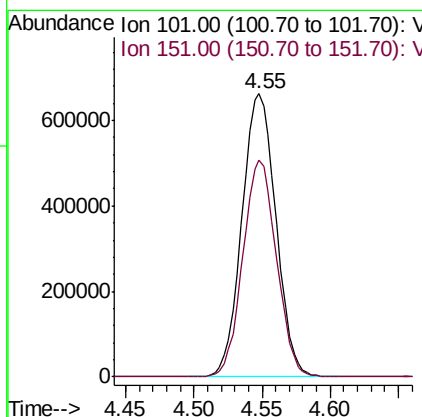
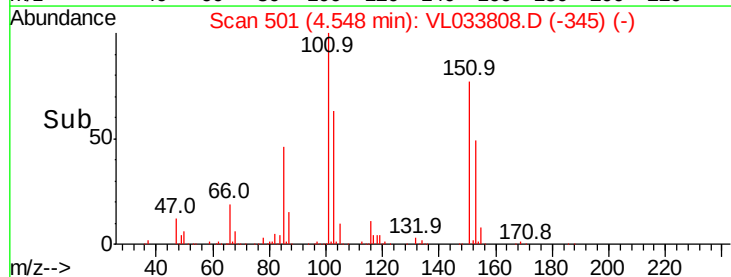
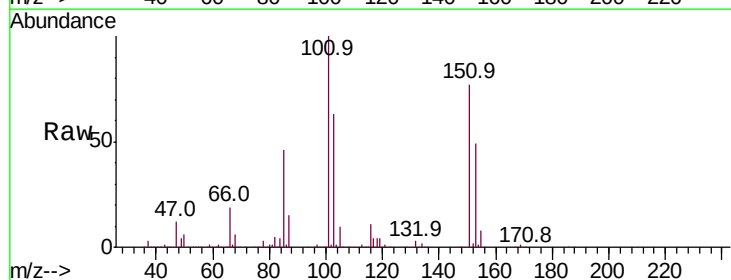
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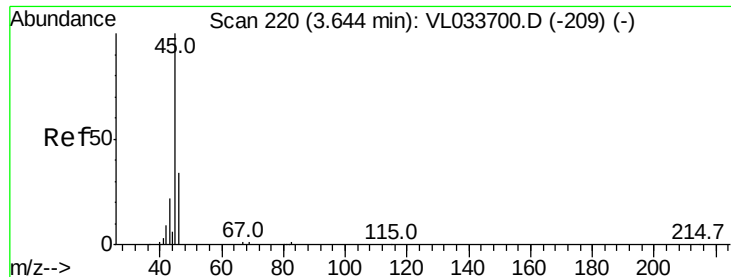
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.027 ppbv
 RT: 4.55 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VL033808.D
 Acq: 28 May 2019 17:01

Tgt Ion:101 Resp: 1146602
 Ion Ratio Lower Upper
 101 100
 151 75.8 58.2 87.4





#13

Ethanol

Concen: 7.611 ppbv

RT: 3.64 min Scan# 220

Delta R.T. 0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion: 45 Resp: 108396

Ion Ratio Lower Upper

45 100

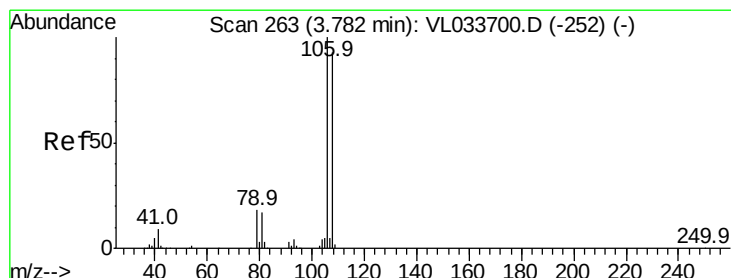
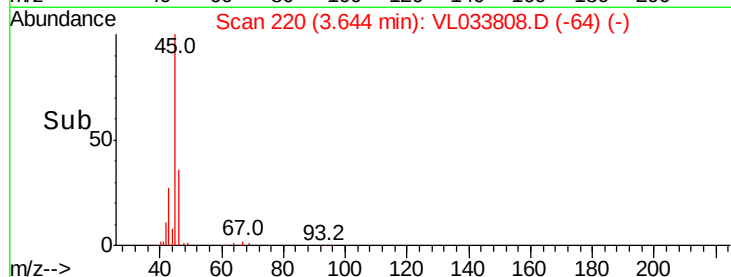
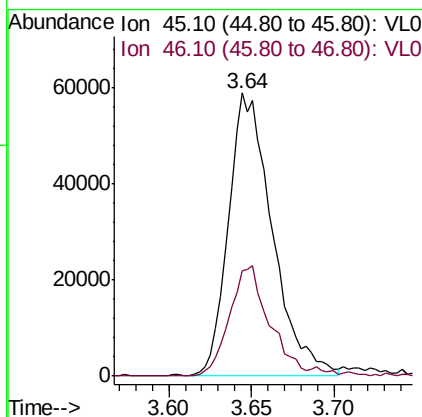
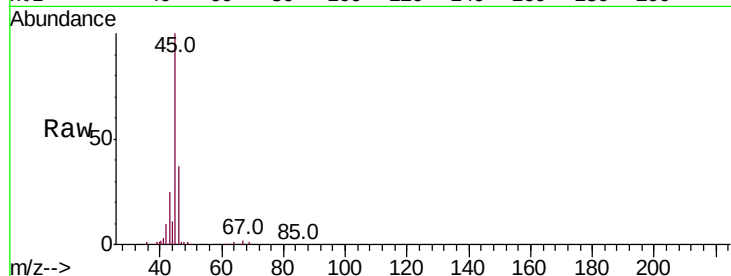
46 37.5 14.8 59.0

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#14

Bromoethene

Concen: 10.829 ppbv

RT: 3.78 min Scan# 263

Delta R.T. 0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

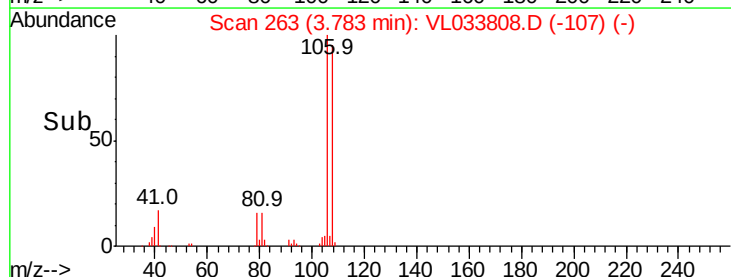
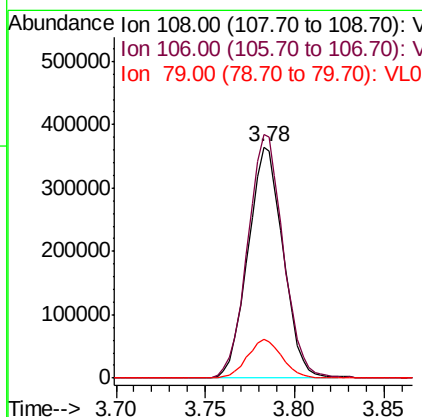
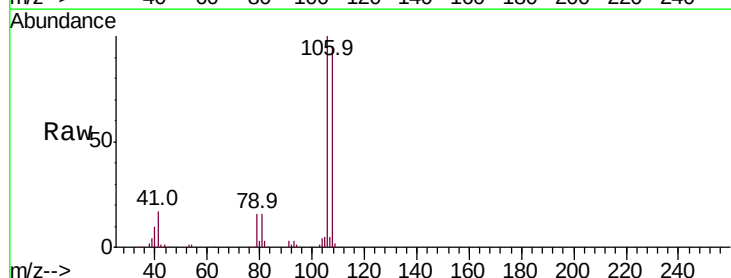
Tgt Ion: 108 Resp: 505692

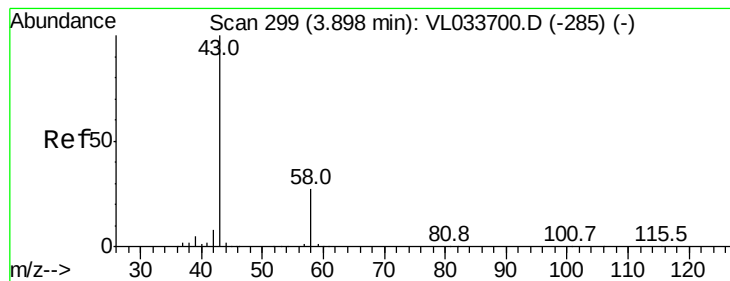
Ion Ratio Lower Upper

108 100

106 106.9 86.5 129.7

79 17.0 15.1 22.7





#15

Acetone

Concen: 8.687 ppbv

RT: 3.90 min Scan# 299

Delta R.T. 0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion: 43 Resp: 1090051

Ion Ratio Lower Upper

43 100

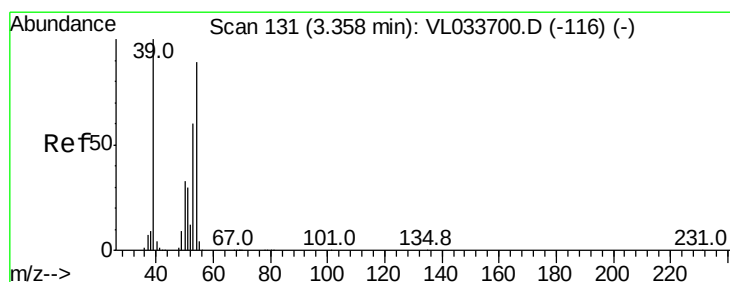
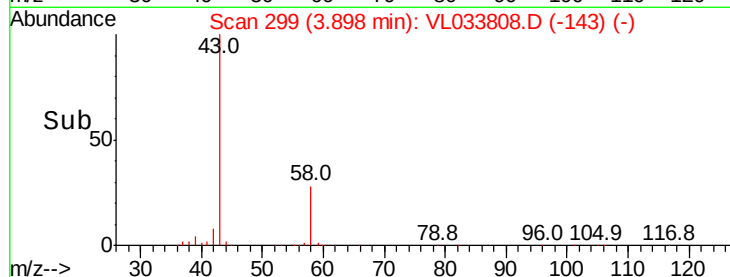
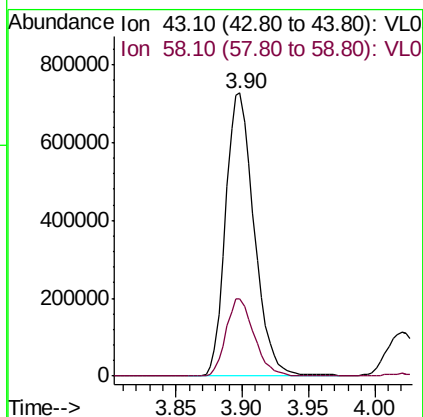
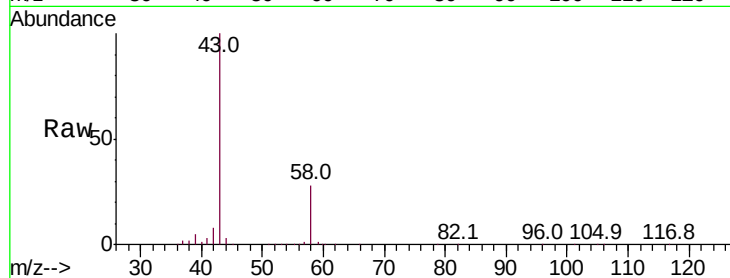
58 27.1 21.3 31.9

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#16

1,3-Butadiene

Concen: 10.724 ppbv

RT: 3.36 min Scan# 131

Delta R.T. 0.00 min

Lab File: VL033808.D

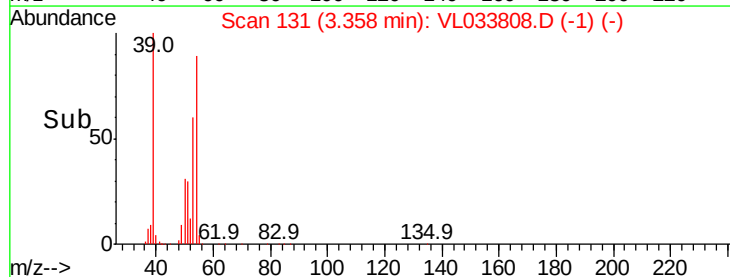
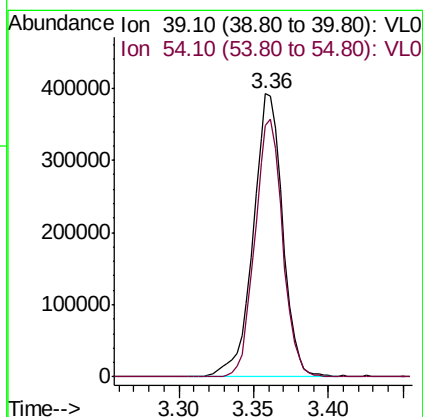
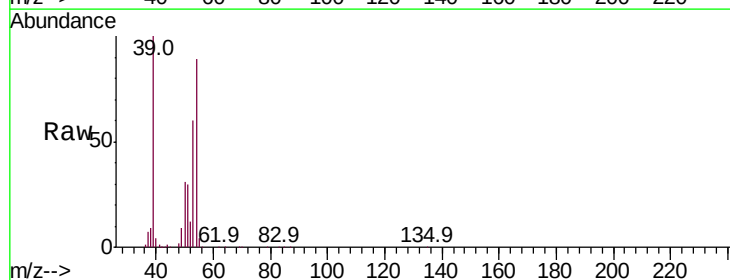
Acq: 28 May 2019 17:01

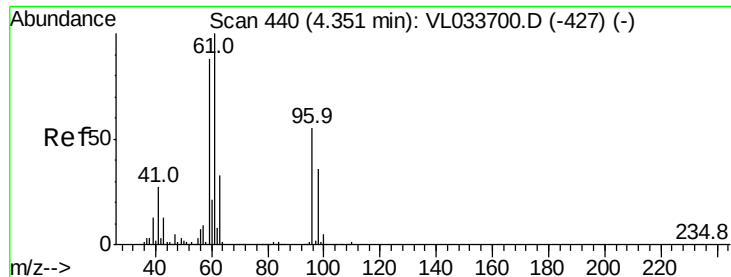
Tgt Ion: 39 Resp: 535827

Ion Ratio Lower Upper

39 100

54 86.2 69.0 103.6





#17

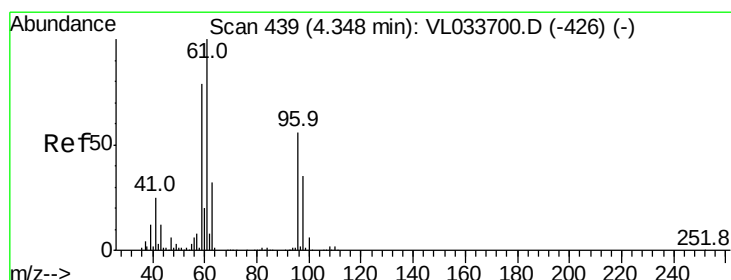
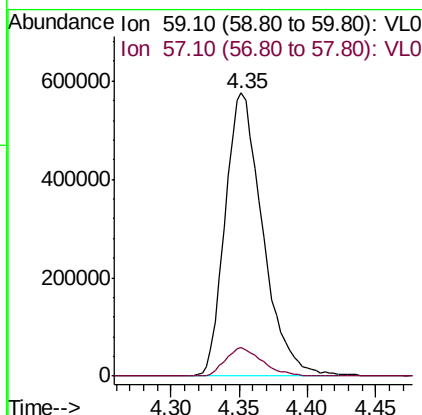
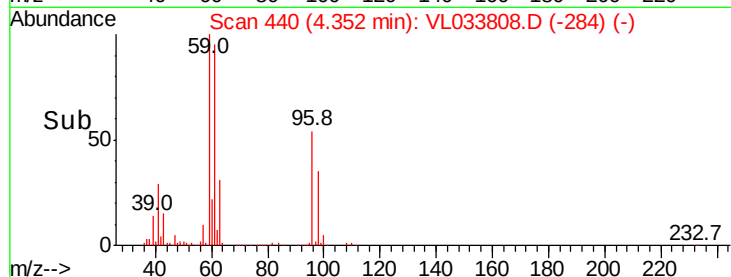
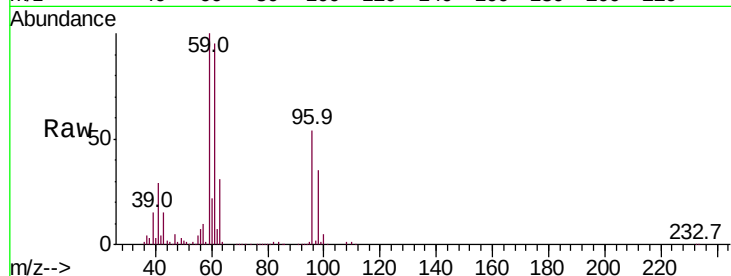
tert-Butyl alcohol
 Concen: 10.838 ppbv
 RT: 4.35 min Scan# 440
 Delta R.T. 0.00 min
 Lab File: VL033808.D
 Acq: 28 May 2019 17:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

Tot Ion: 59 Resp: 1099656
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.4 12.6

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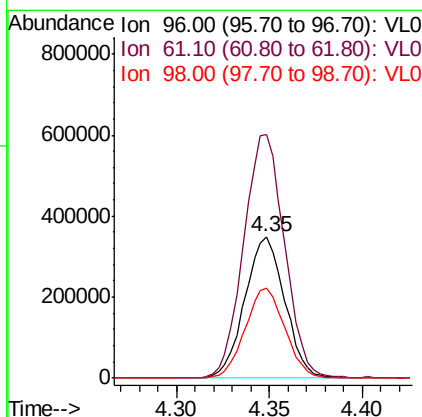
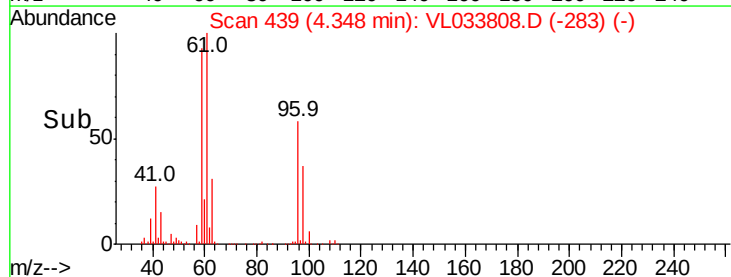
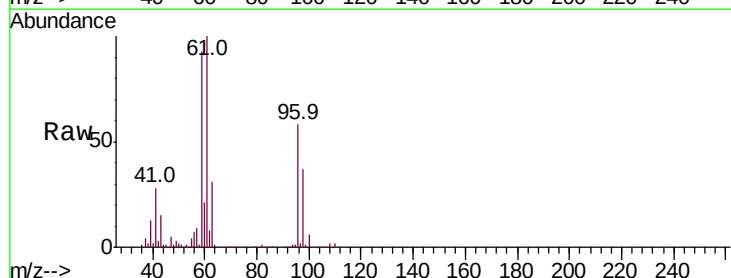
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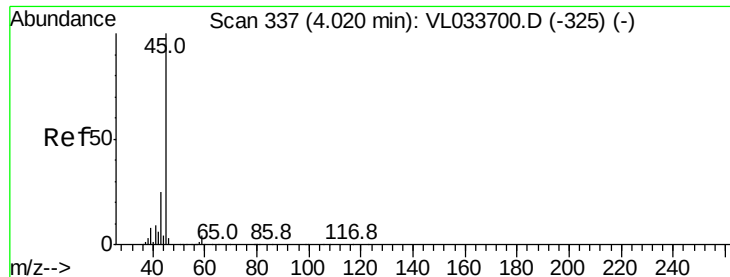


#18

1,1-Dichloroethene
 Concen: 9.698 ppbv
 RT: 4.35 min Scan# 439
 Delta R.T. 0.00 min
 Lab File: VL033808.D
 Acq: 28 May 2019 17:01

Tgt Ion: 96 Resp: 519975
 Ion Ratio Lower Upper
 96 100
 61 172.0 143.1 214.7
 98 63.5 49.5 74.3





#19

Isopropyl Alcohol

Concen: 10.185 ppbv

RT: 4.02 min Scan# 337

Delta R.T. 0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion: 45 Resp: 823971

Ion Ratio Lower Upper

45 100

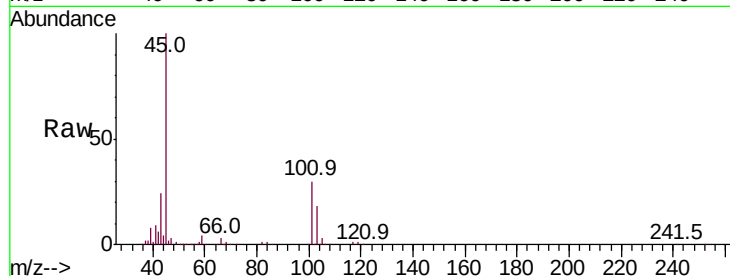
58 2.0 1.6 2.4

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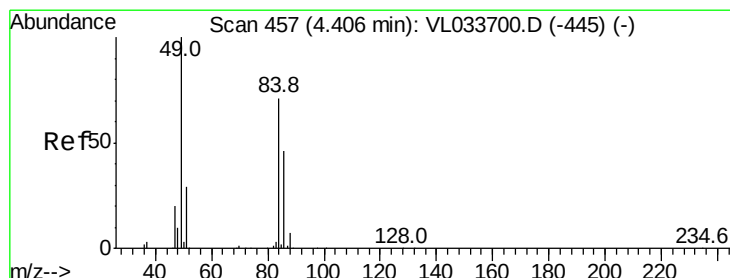
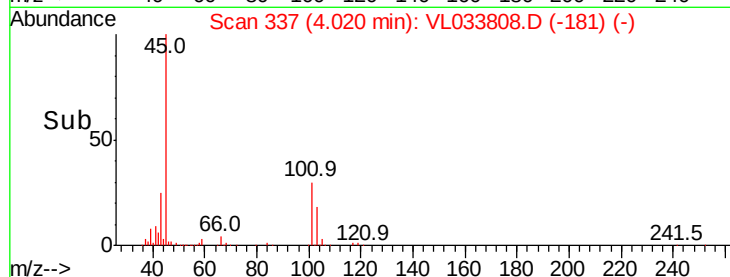
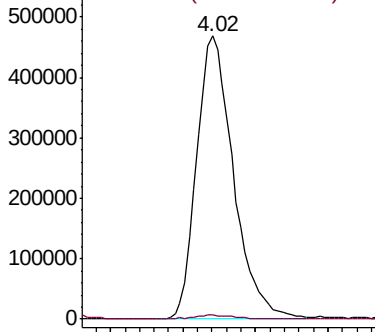
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 9.119 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

Tgt Ion: 84 Resp: 440537

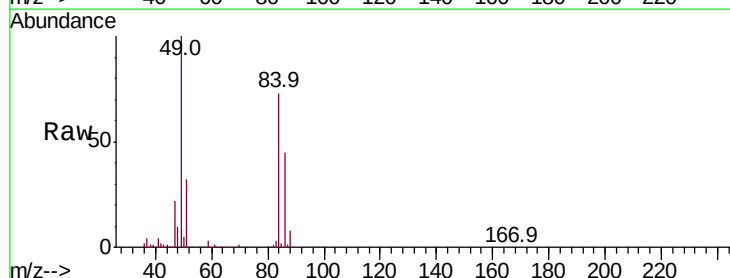
Ion Ratio Lower Upper

84 100

49 135.6 112.8 169.2

51 42.7 33.4 50.0

86 61.4 51.7 77.5

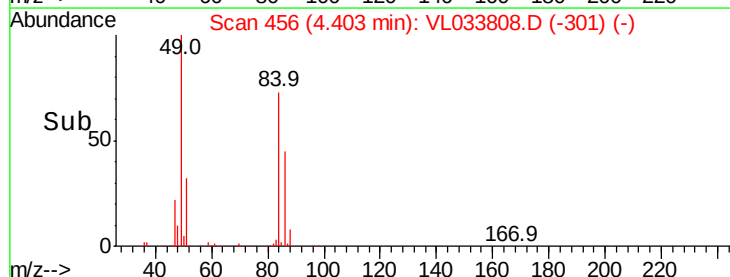
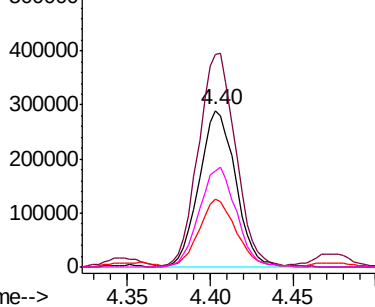


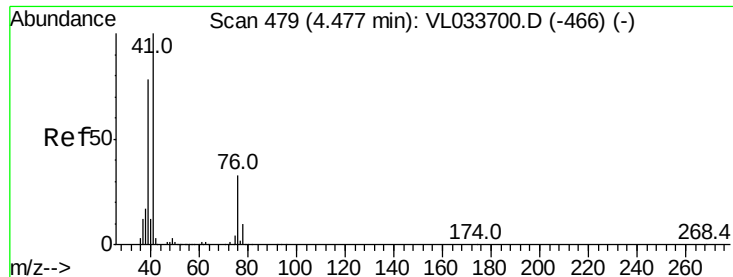
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





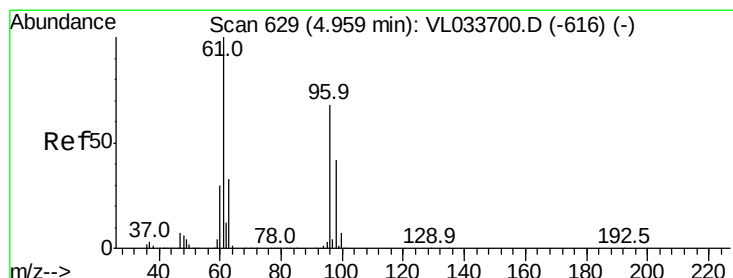
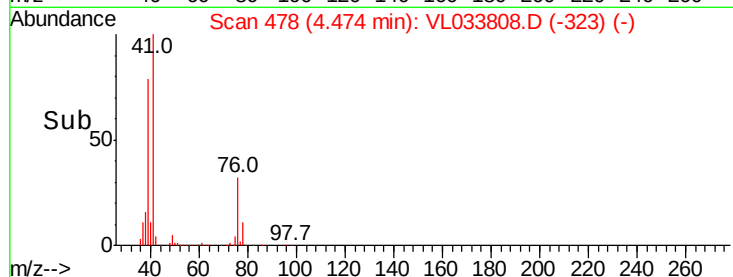
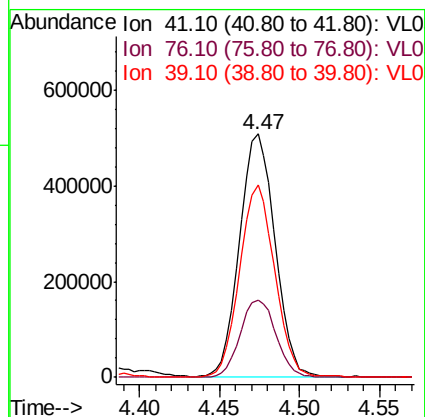
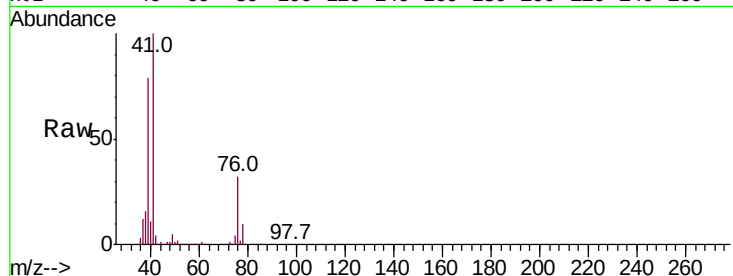
#21
Allvl Chloride
Concen: 9.723 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL033808.D
Acq: 28 May 2019 17:01

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01DUP

Tot Ion	Ratio	Lower	Upper
41	100		
76	32.5	25.9	38.9
39	78.9	64.6	97.0

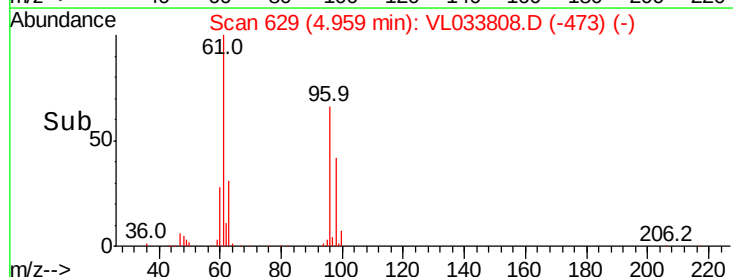
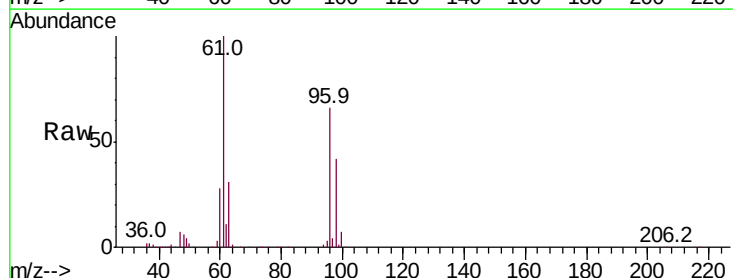
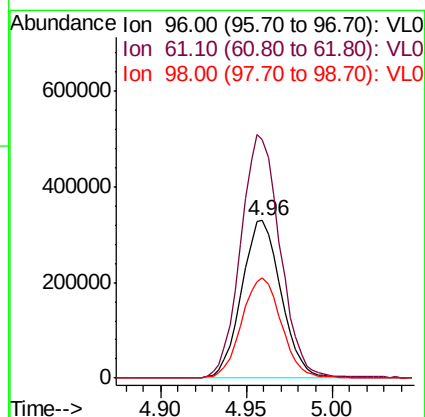
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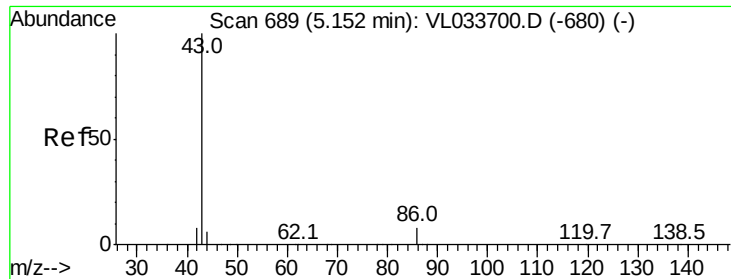
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#22
trans-1,2-Dichloroethene
Concen: 9.597 ppbv
RT: 4.96 min Scan# 629
Delta R.T. 0.00 min
Lab File: VL033808.D
Acq: 28 May 2019 17:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.4	116.8	175.2
98	63.9	49.4	74.0





#23

Vinyl Acetate

Concen: 10.868 ppbv

RT: 5.15 min Scan# 689

Delta R.T. 0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion: 43 Resp: 1798079

Ion Ratio Lower Upper

43 100

86 8.2 6.0 9.0

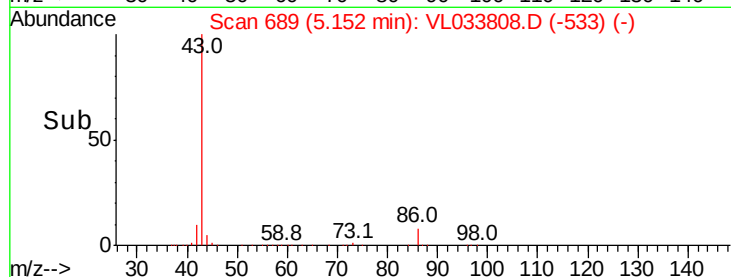
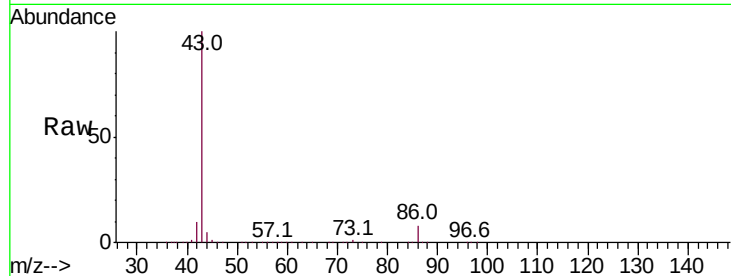
42 9.6 7.5 11.3

44 5.2 4.4 6.6

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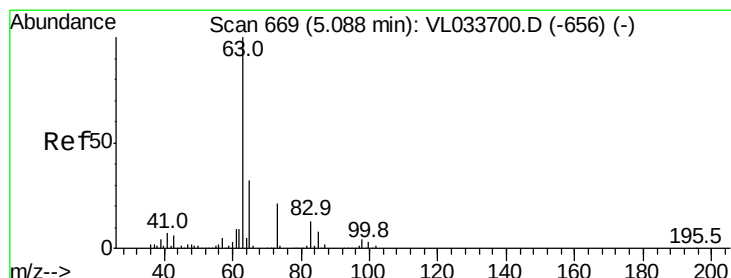
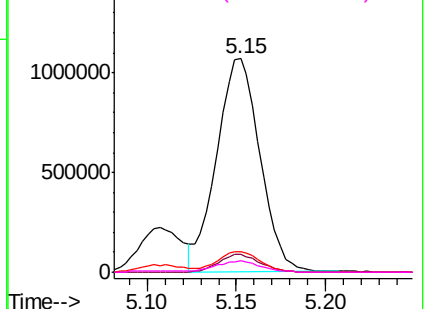


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.860 ppbv

RT: 5.09 min Scan# 669

Delta R.T. 0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

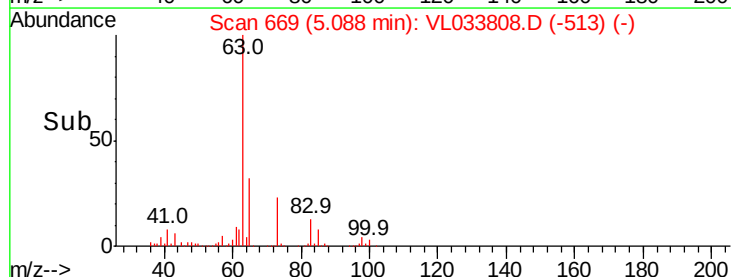
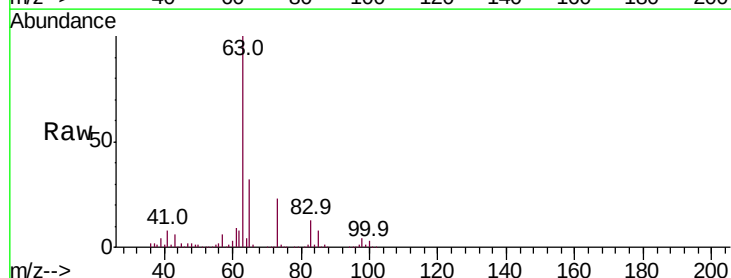
Tgt Ion: 63 Resp: 1240043

Ion Ratio Lower Upper

63 100

98 4.3 1.8 5.5

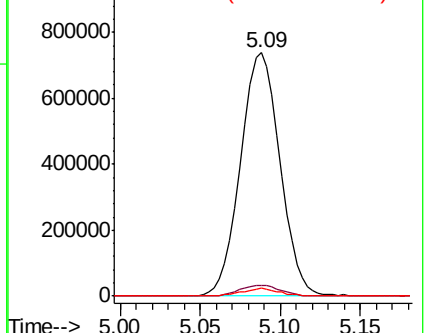
100 3.1 1.4 4.2

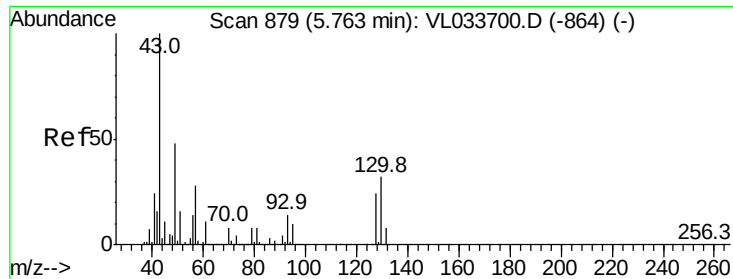


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.783 ppbv

RT: 5.77 min Scan# 880

Delta R.T. 0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion: 43 Resp: 2156324

Ion Ratio Lower Upper

43 100

45 10.0 7.9 11.9

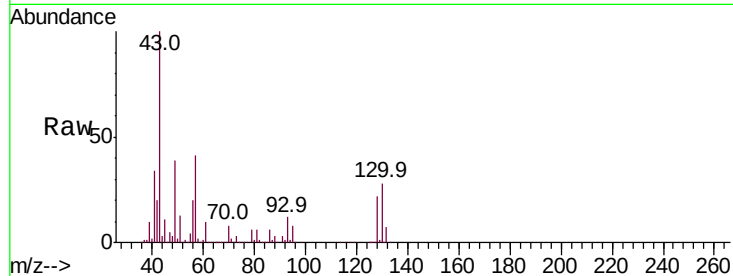
61 9.7 7.7 11.5

70 7.4 5.8 8.6

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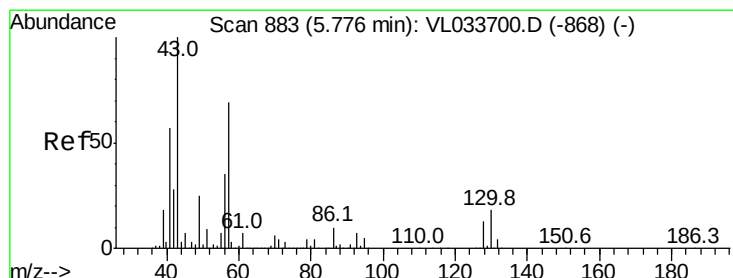
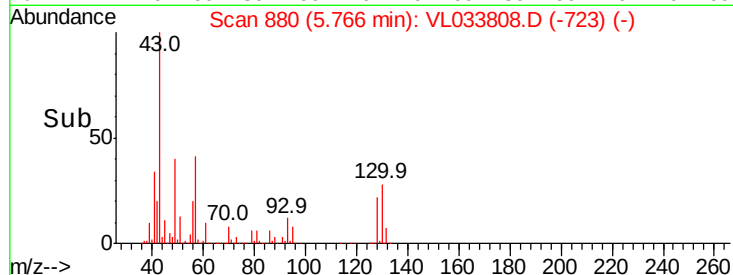
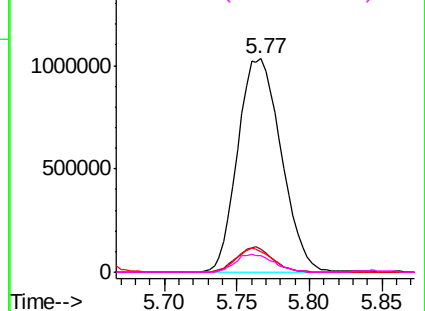
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 10.318 ppbv

RT: 5.78 min Scan# 883

Delta R.T. 0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

Tgt Ion: 57 Resp: 977710

Ion Ratio Lower Upper

57 100

41 84.4 69.8 104.6

43 221.9 181.8 272.6

56 52.0 42.1 63.1

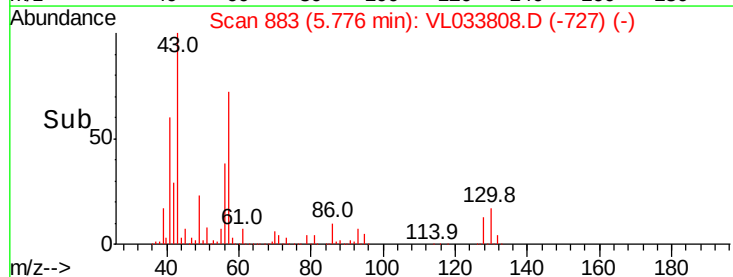
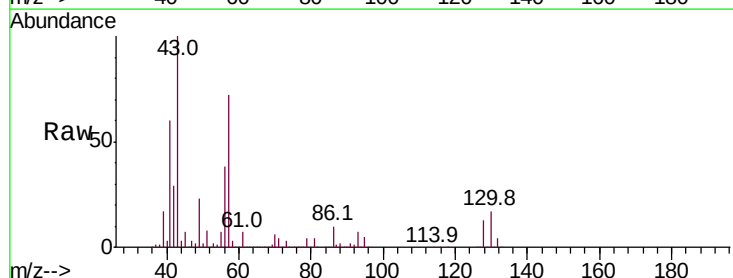
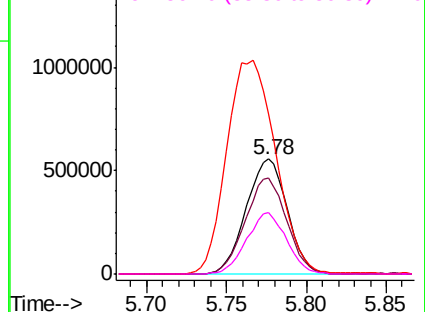
Abundance

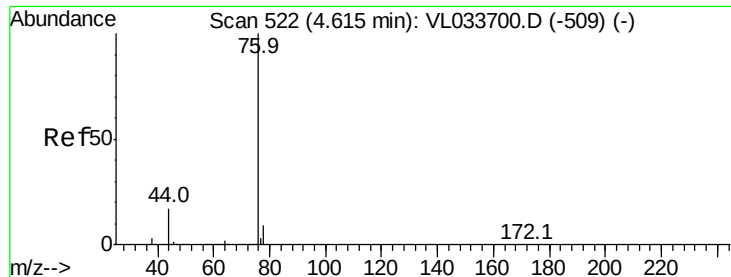
Ion 57.10 (56.80 to 57.80): VL0

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: 9.774 ppbv

RT: 4.62 min Scan# 522

Delta R.T. 0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion: 76 Resp: 1270627

Ion Ratio Lower Upper

76 100

44 17.1 13.8 20.8

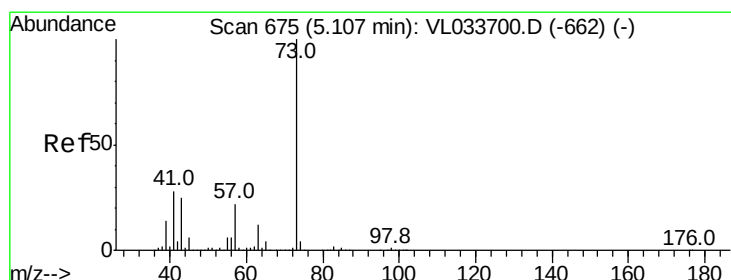
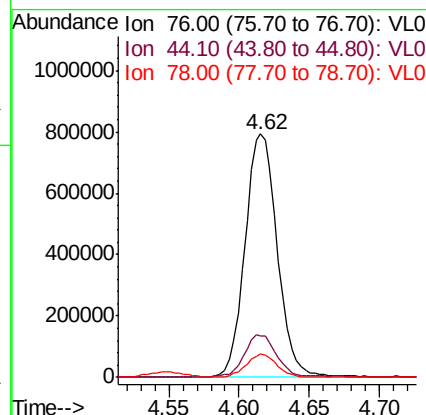
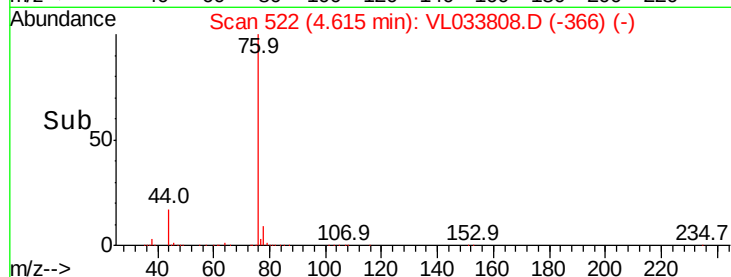
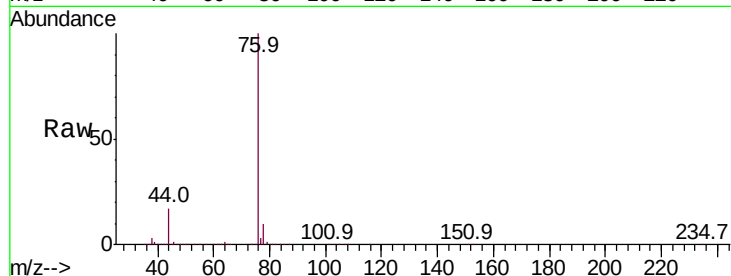
78 9.2 7.4 11.0

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#28

Methyl tert-Butyl Ether

Concen: 11.002 ppbv

RT: 5.11 min Scan# 675

Delta R.T. 0.00 min

Lab File: VL033808.D

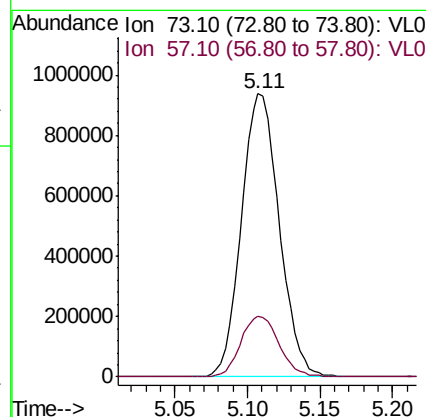
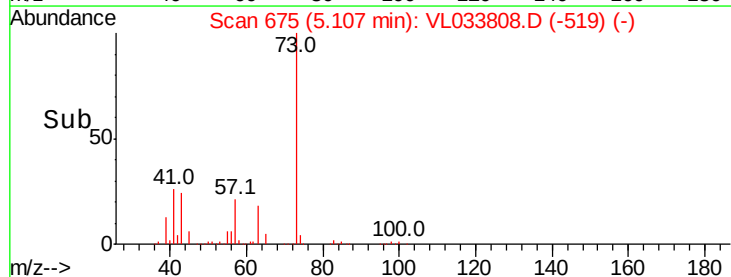
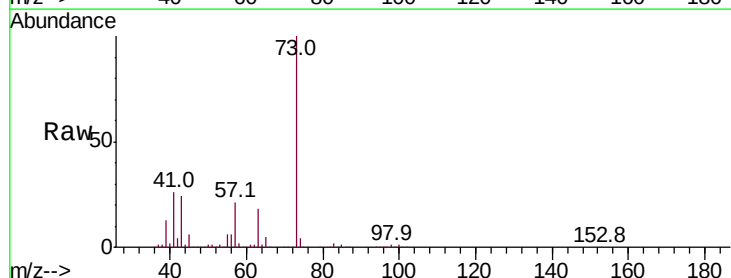
Acq: 28 May 2019 17:01

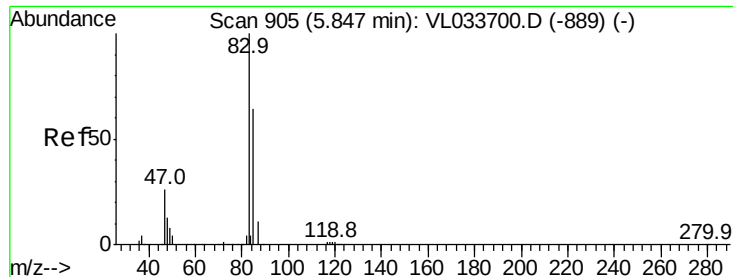
Tgt Ion: 73 Resp: 1699572

Ion Ratio Lower Upper

73 100

57 21.8 17.4 26.2





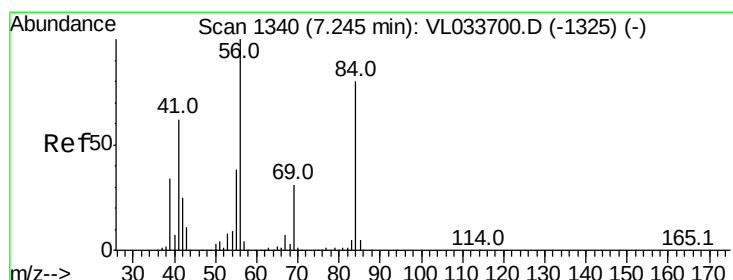
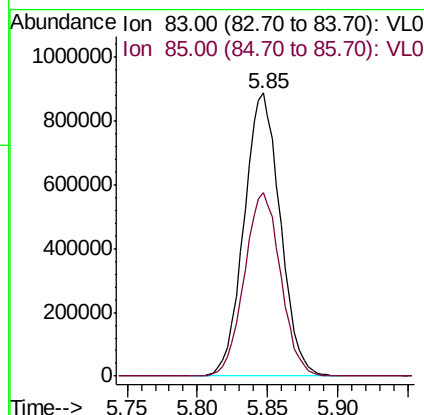
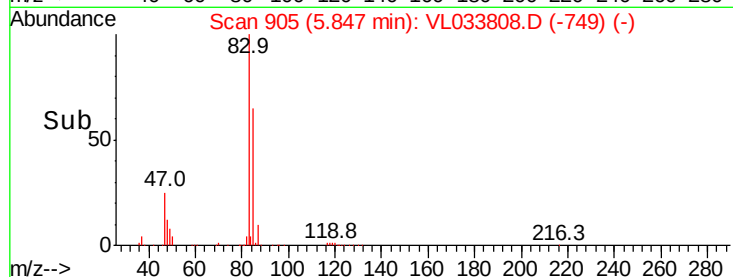
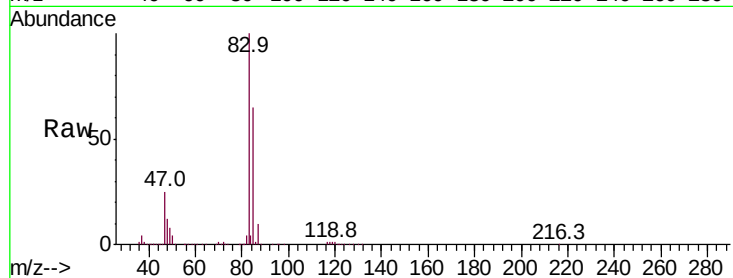
#29
Chloroform
Concen: 9.136 ppbv
RT: 5.85 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL033808.D
Acq: 28 May 2019 17:01

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01DUP

Tot Ion: 83 Resp: 1594590
Ion Ratio Lower Upper
83 100
85 64.9 51.5 77.3

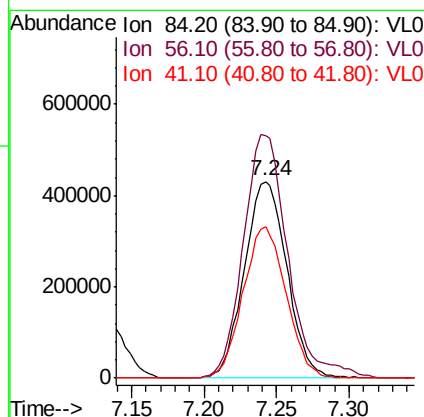
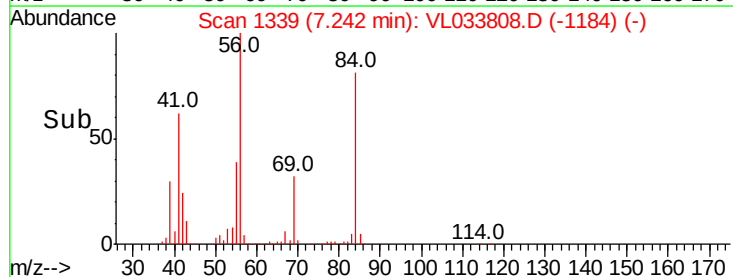
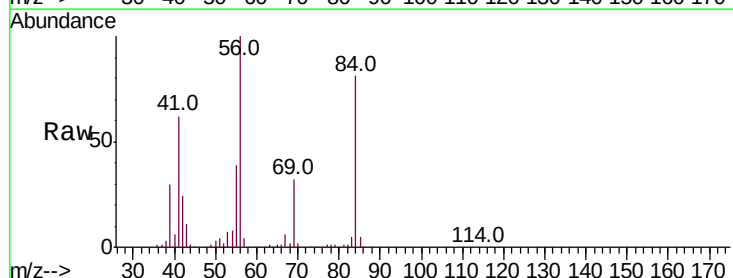
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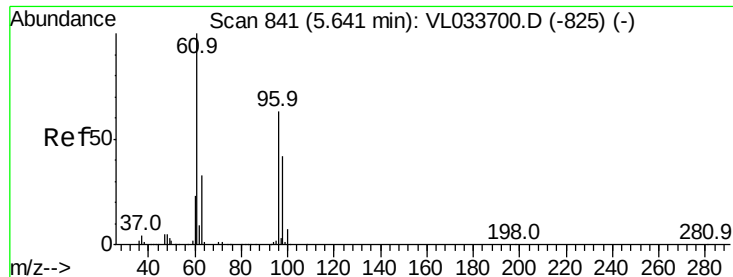
apatel
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#30
Cyclohexane
Concen: 11.048 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033808.D
Acq: 28 May 2019 17:01

Tgt Ion: 84 Resp: 880091
Ion Ratio Lower Upper
84 100
56 130.3 107.7 161.5
41 77.9 66.0 99.0





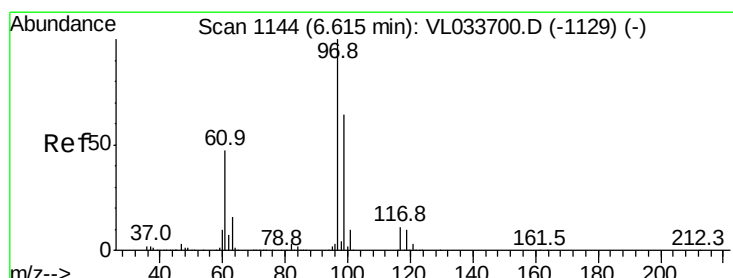
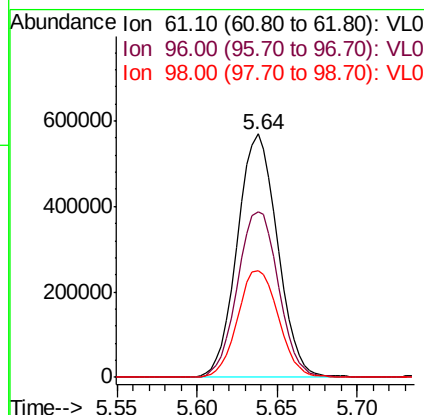
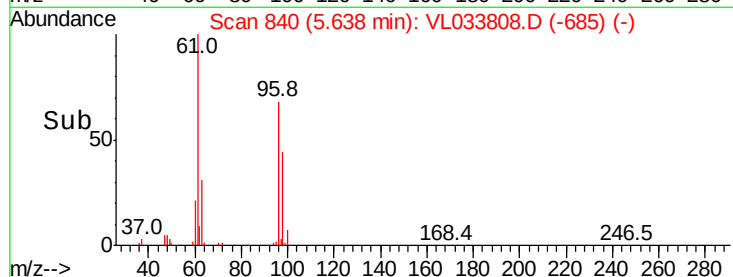
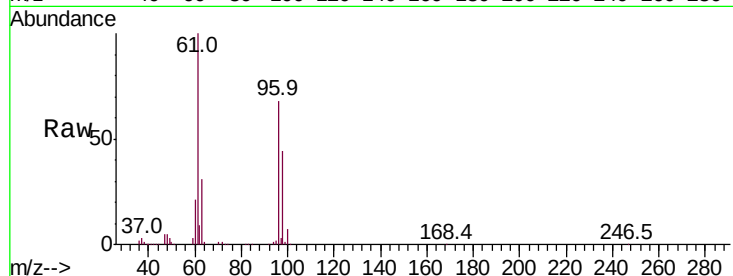
#31
 cis-1,2-Dichloroethene
 Concen: 10.345 ppbv
 RT: 5.64 min Scan# 840
 Delta R.T. -0.00 min
 Lab File: VL033808.D
 Acq: 28 May 2019 17:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

Tot Ion	Ratio	Resp	Lower	Upper
61	100	971996		
96	67.9		50.8	76.2
98	43.5		33.3	49.9

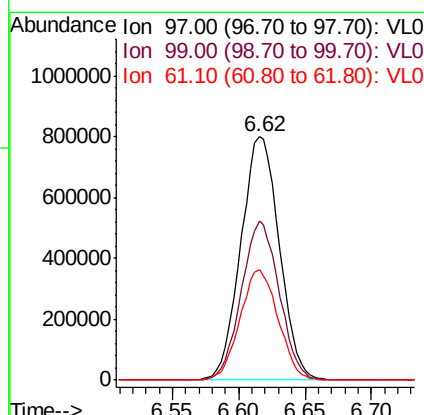
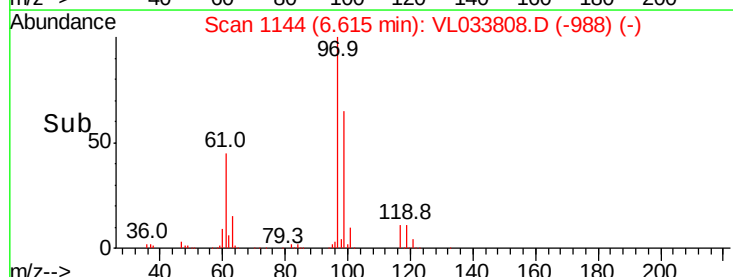
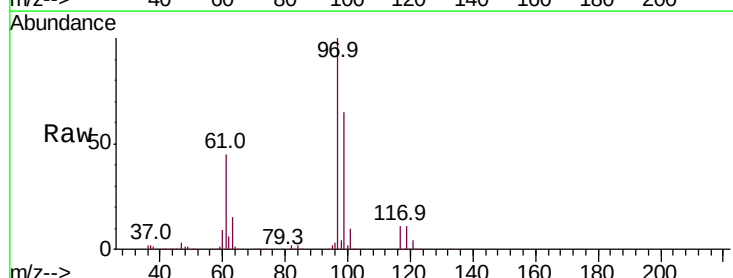
Manual Integrations
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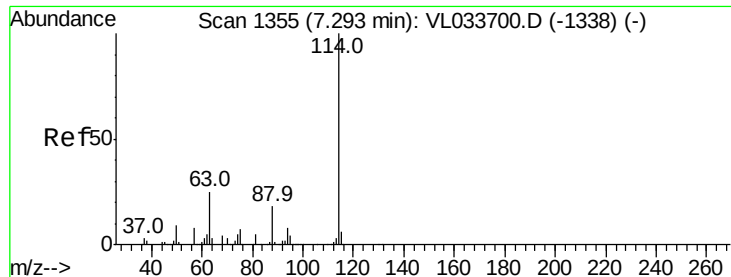
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#32
 1,1,1-Trichloroethane
 Concen: 9.284 ppbv
 RT: 6.62 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VL033808.D
 Acq: 28 May 2019 17:01

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	1617990		
99	64.3		51.5	77.3
61	45.1		37.8	56.8





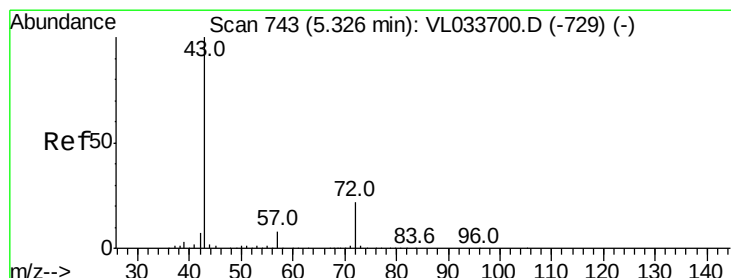
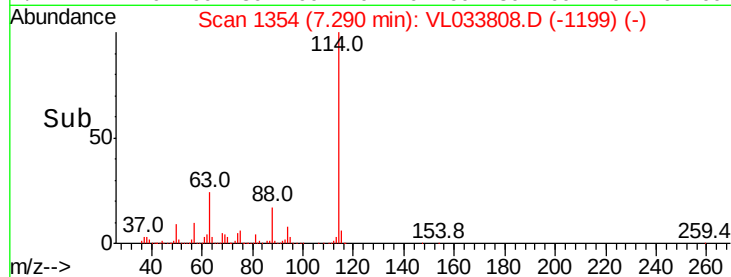
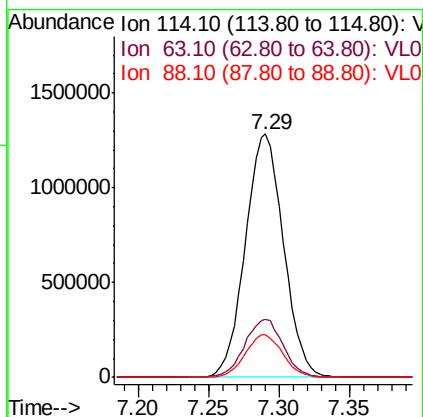
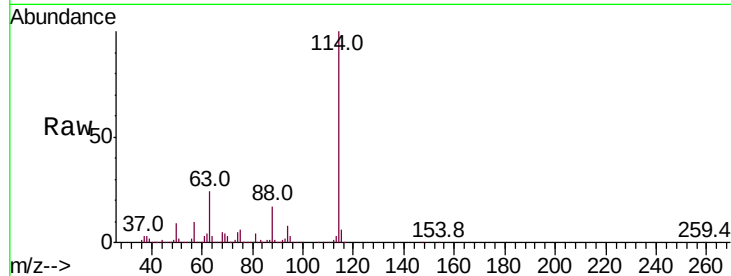
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VL033808.D
 Acq: 28 May 2019 17:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.4	20.9	31.3
88	17.3	14.3	21.5

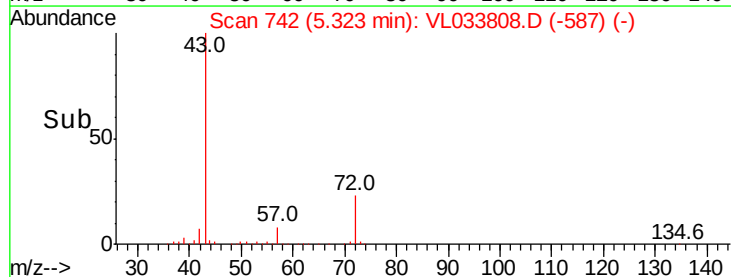
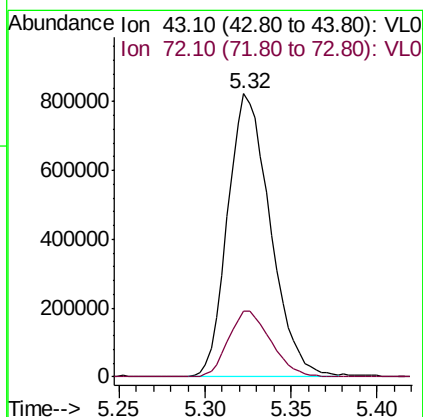
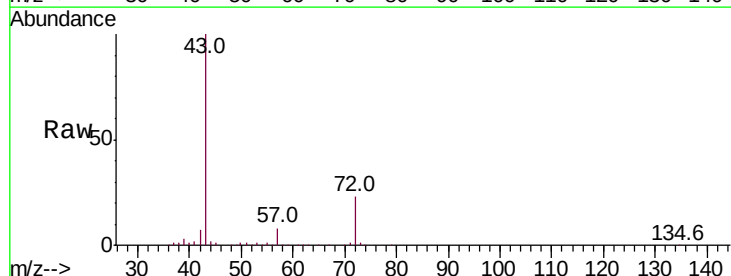
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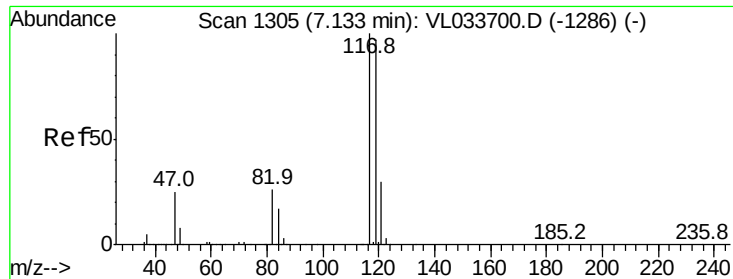
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#34
 2-Butanone
 Concen: 9.347 ppbv
 RT: 5.32 min Scan# 742
 Delta R.T. -0.00 min
 Lab File: VL033808.D
 Acq: 28 May 2019 17:01

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.4	17.8	26.6





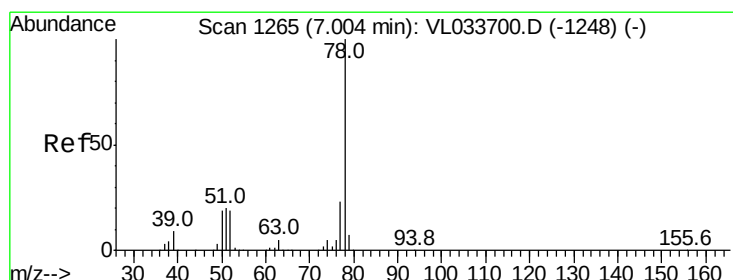
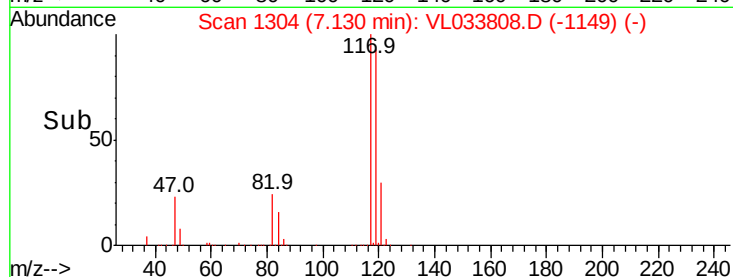
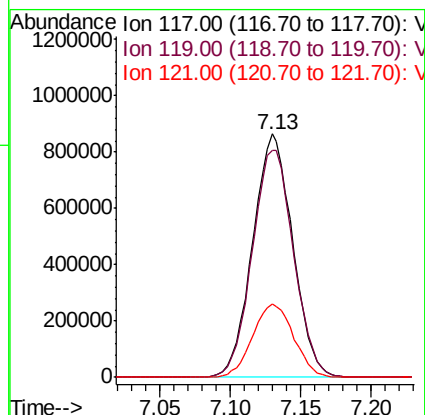
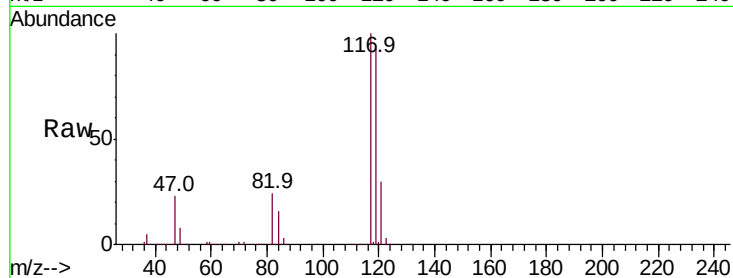
#35
Carbon Tetrachloride
Concen: 8.779 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VL033808.D
Acq: 28 May 2019 17:01

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01DUP

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.2	77.2	115.8
121	30.3	24.1	36.1

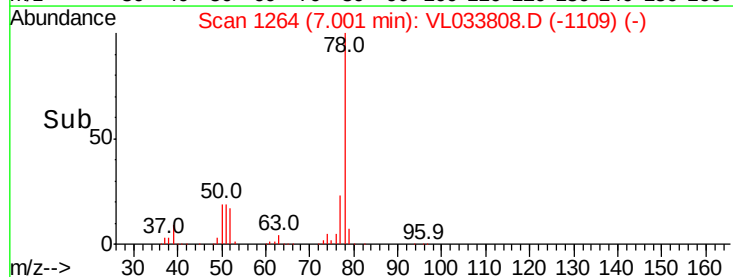
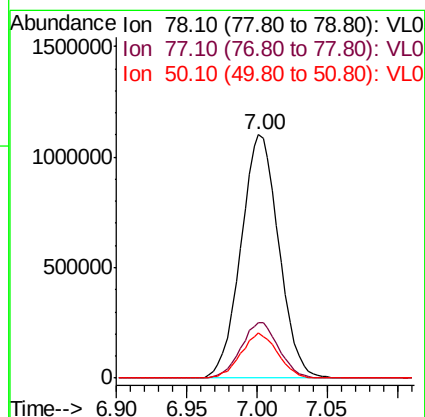
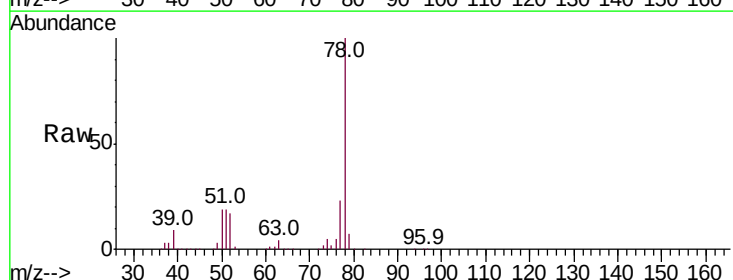
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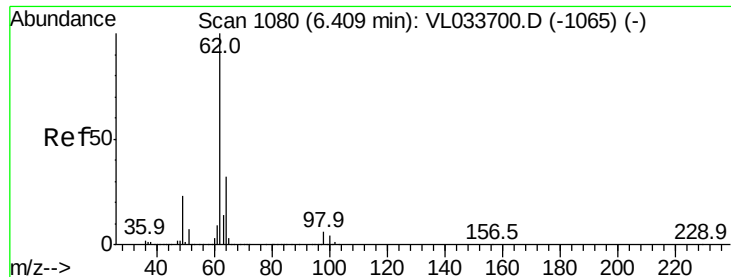
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#36
Benzene
Concen: 9.347 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033808.D
Acq: 28 May 2019 17:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.4	27.6
50	18.6	15.5	23.3





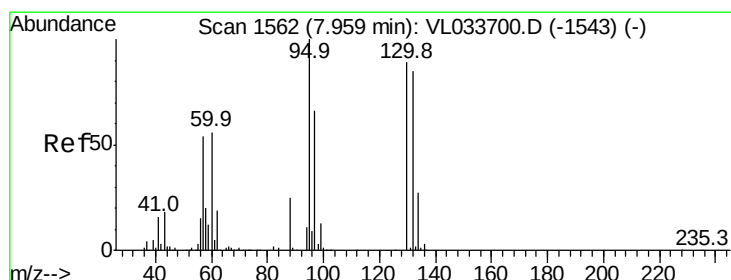
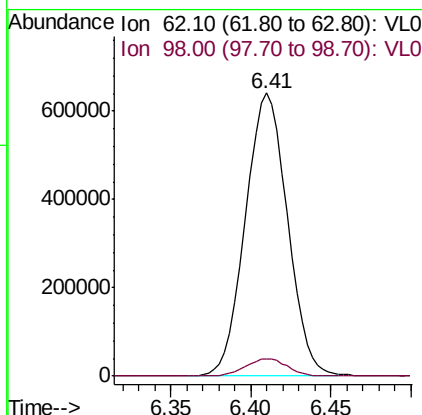
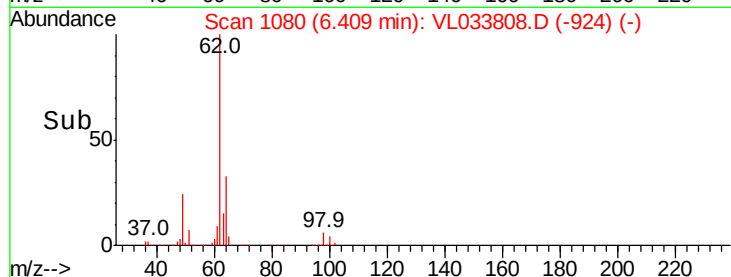
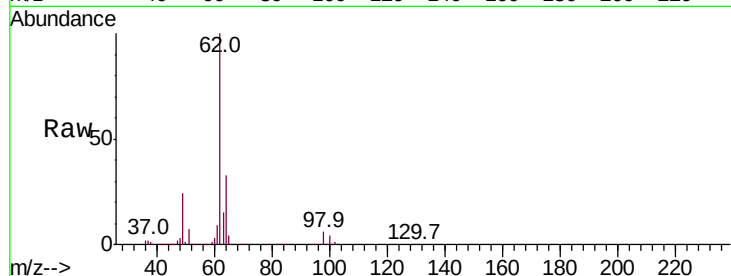
#37
 1,2-Dichloroethane
 Concen: 8.092 ppbv
 RT: 6.41 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VL033808.D
 Acq: 28 May 2019 17:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.3	4.5	6.7

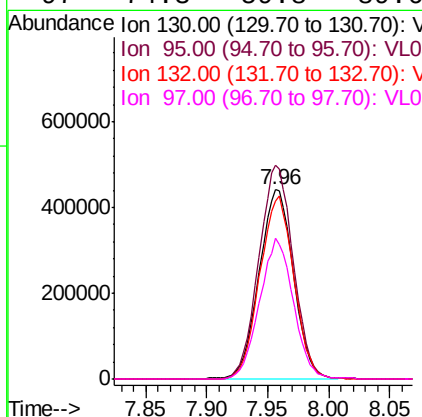
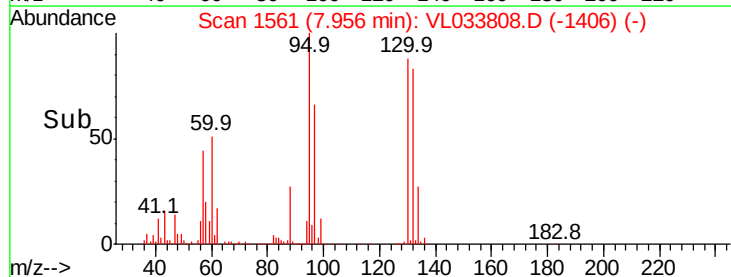
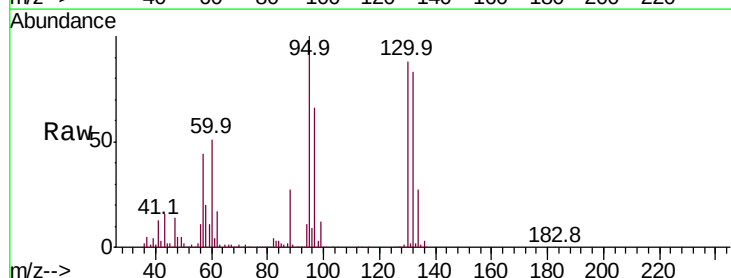
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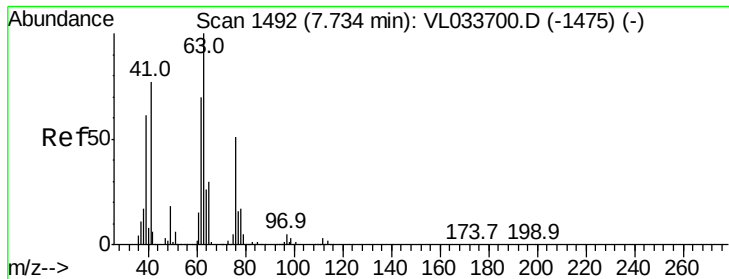
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#38
 Trichloroethene
 Concen: 10.514 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. -0.00 min
 Lab File: VL033808.D
 Acq: 28 May 2019 17:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	113.1	90.2	135.4
132	94.4	76.4	114.6
97	74.3	59.8	89.6





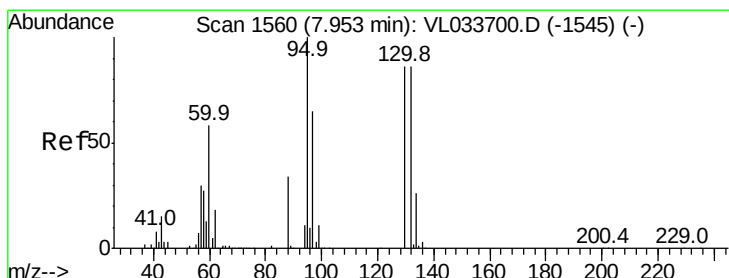
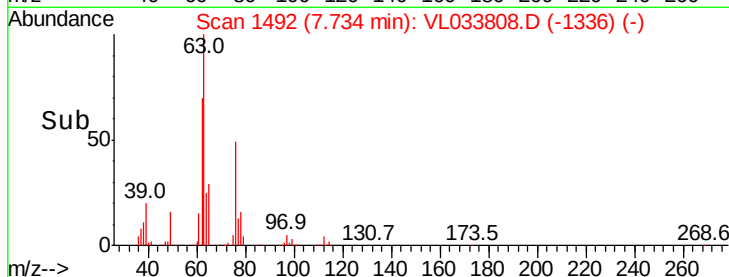
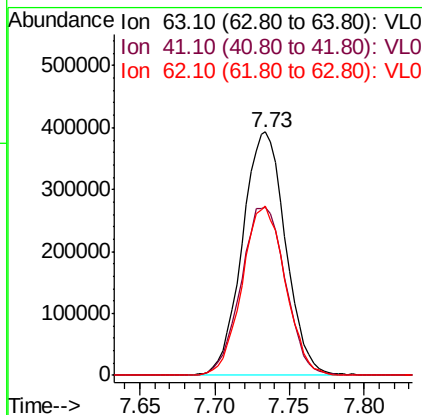
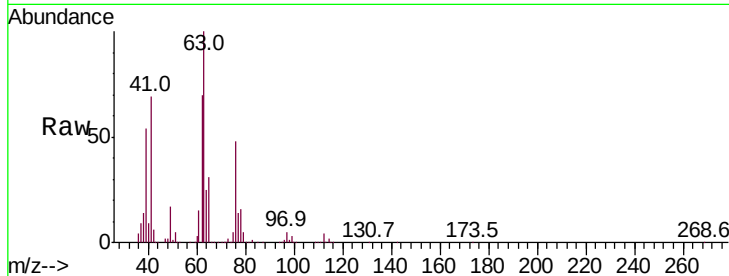
#39
 1,2-Dichloropropane
 Concen: 9.561 ppbv
 RT: 7.73 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VL033808.D
 Acq: 28 May 2019 17:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

Tot Ion	Ratio	Lower	Upper
63	100		
41	69.1	61.5	92.3
62	69.4	56.2	84.4

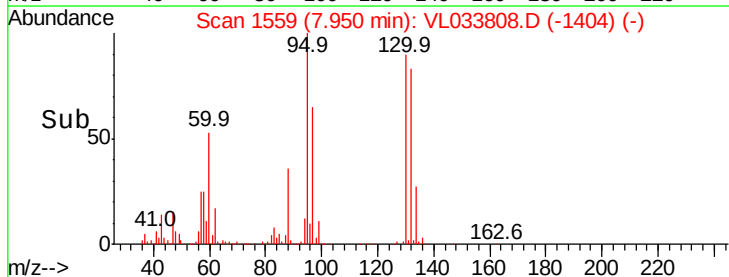
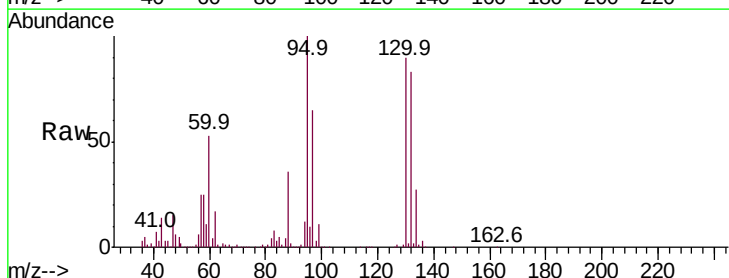
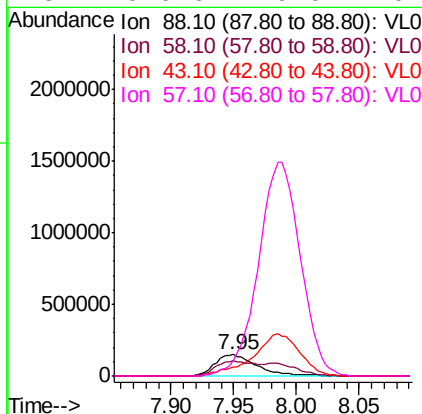
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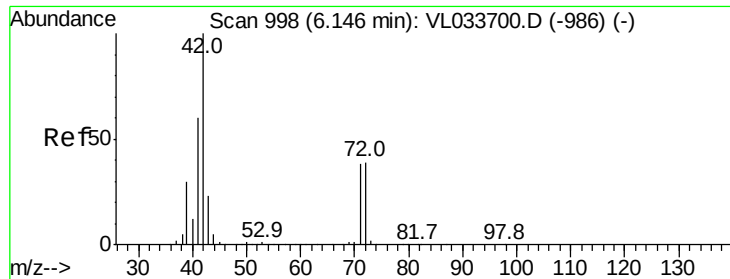
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#40
 1,4-Dioxane
 Concen: 9.714 ppbv
 RT: 7.95 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VL033808.D
 Acq: 28 May 2019 17:01

Tgt Ion	Ratio	Lower	Upper
88	100		
58	118.1	101.8	152.6
43	225.9	0.0	0.0#
57	1040.0	0.0	0.0#





#41

Tetrahydrofuran

Concen: 9.645 ppbv

RT: 6.14 min Scan# 997

Delta R.T. -0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

Instrument :

MSVOA_L

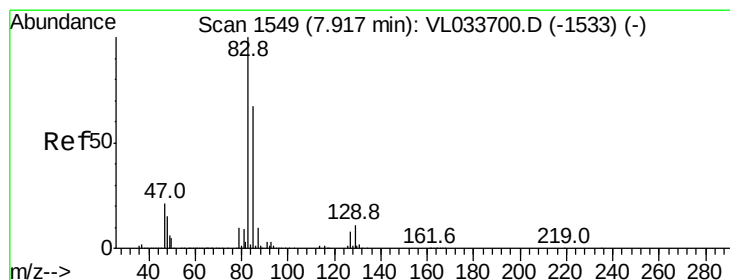
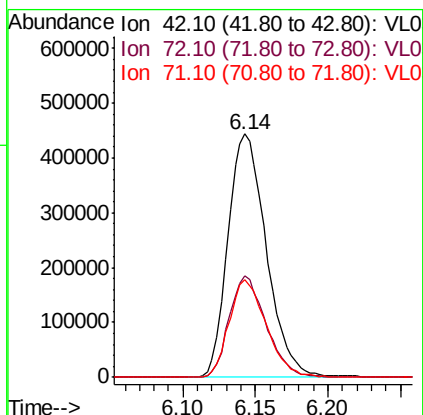
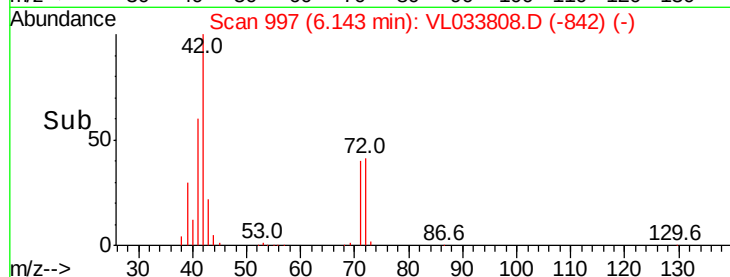
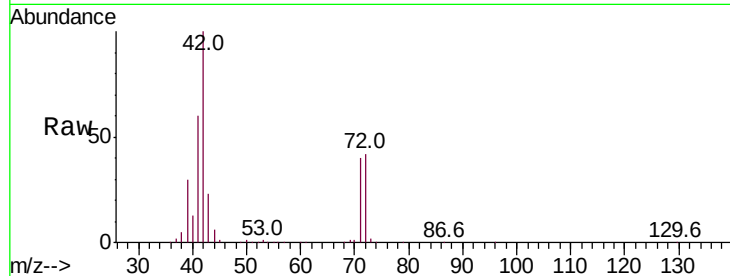
ClientSampleId :

VL0528ABS01DUP

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.0	48.0
71	39.0	30.4	45.6

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#42

Bromodichloromethane

Concen: 9.109 ppbv

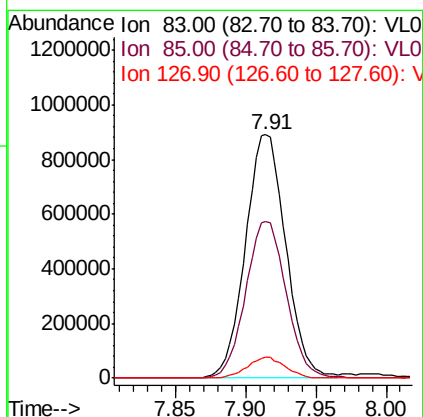
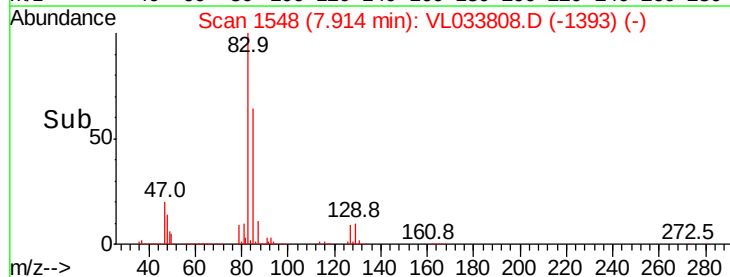
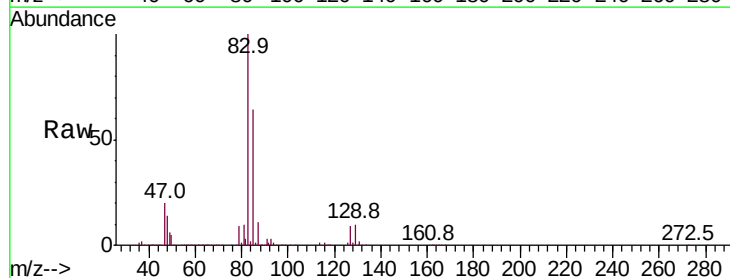
RT: 7.91 min Scan# 1548

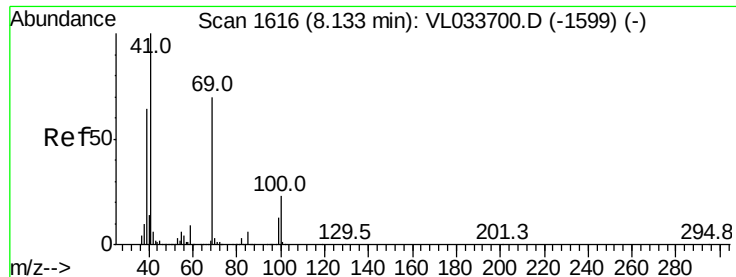
Delta R.T. -0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

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





#43

Methyl Methacrylate

Concen: 10.609 ppbv

RT: 8.13 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

Instrument :

MSVOA_L

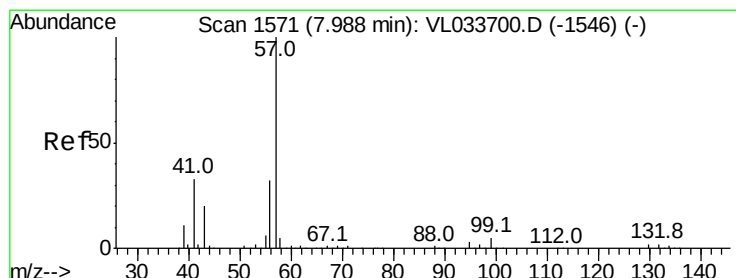
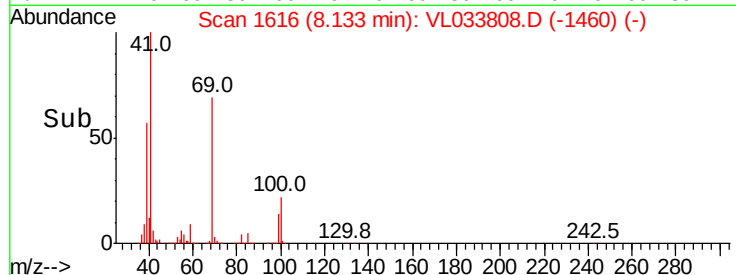
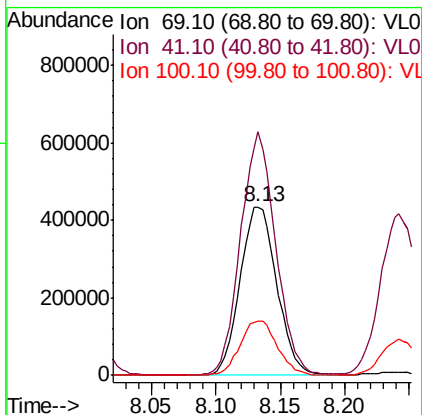
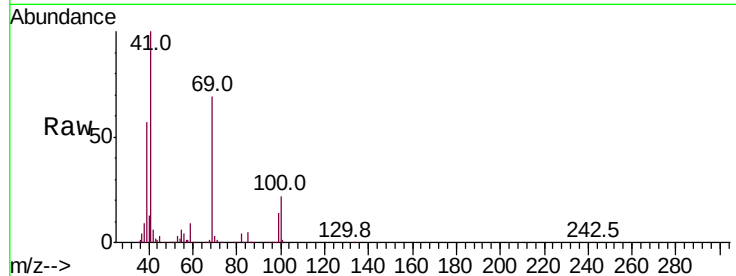
ClientSampleId :

VL0528ABS01DUP

Tot Ion	Ratio	Lower	Upper
69	100		
41	138.0	116.3	174.5
100	32.6	25.3	37.9

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#44

2,2,4-Trimethylpentane

Concen: 9.323 ppbv

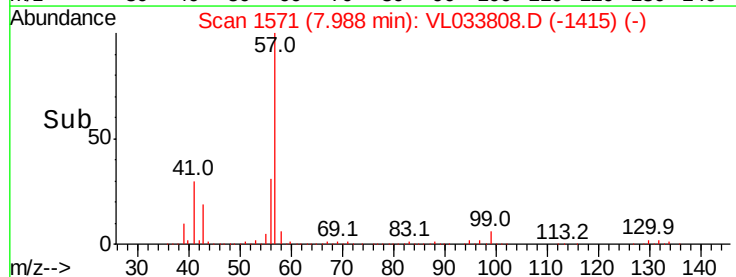
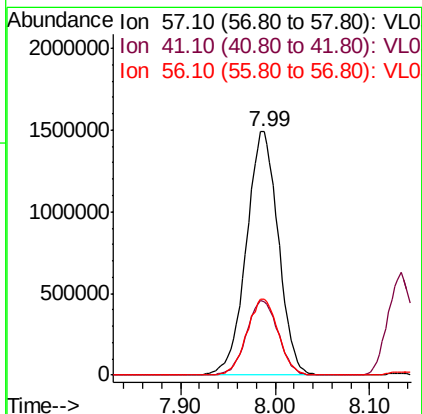
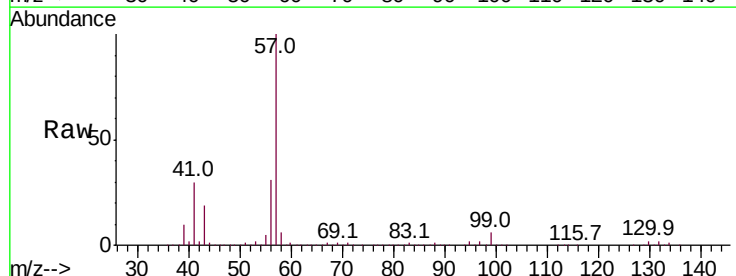
RT: 7.99 min Scan# 1571

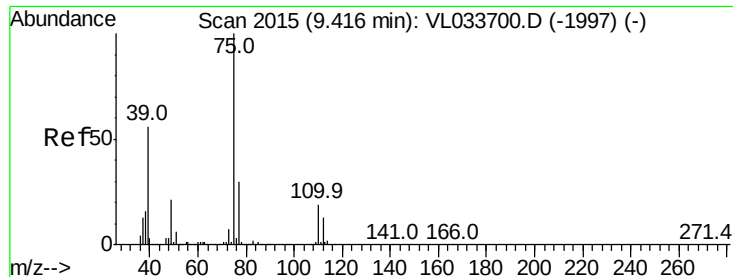
Delta R.T. 0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

Tgt Ion	Ratio	Lower	Upper
57	100		
41	30.5	25.4	38.0
56	30.8	24.7	37.1





#45

t-1,3-Dichloropropene

Concen: 10.541 ppbv

RT: 9.41 min Scan# 2014

Delta R.T. -0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion: 75 Resp: 1088762

Ion Ratio Lower Upper

75 100

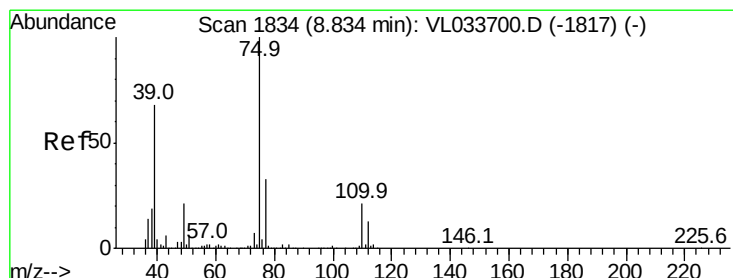
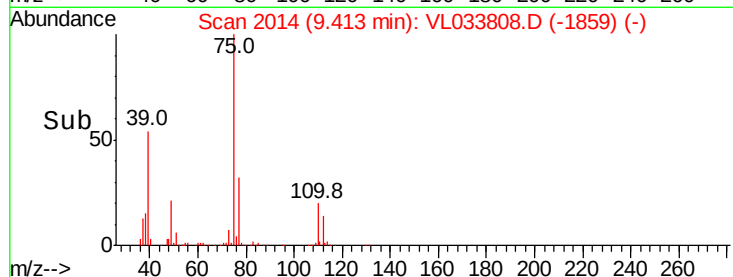
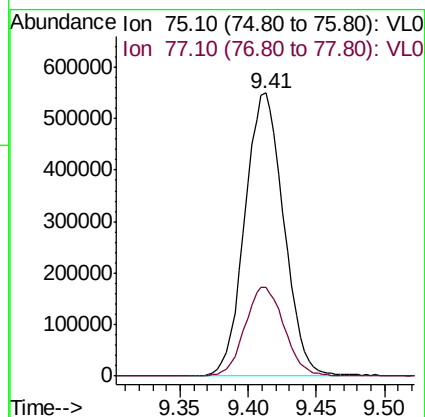
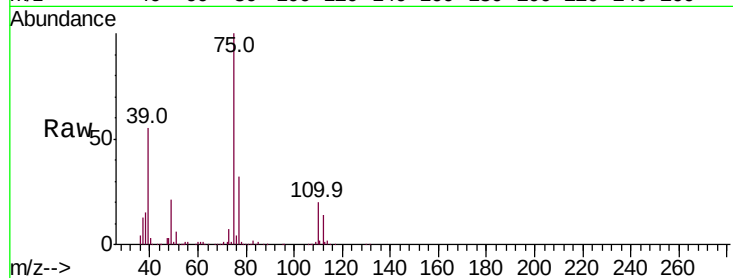
77 31.6 24.4 36.6

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#46

cis-1,3-Dichloropropene

Concen: 10.239 ppbv

RT: 8.83 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

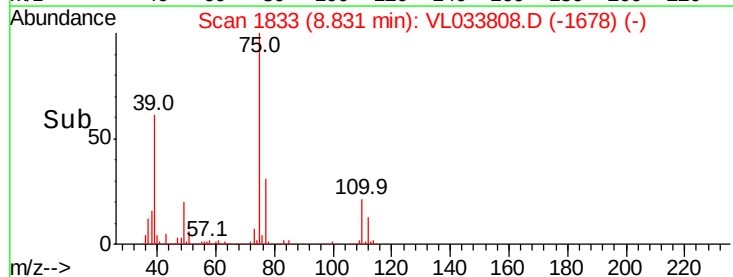
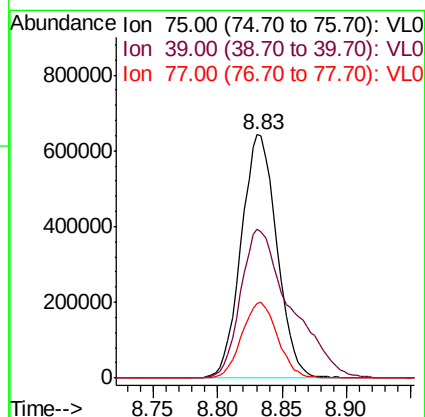
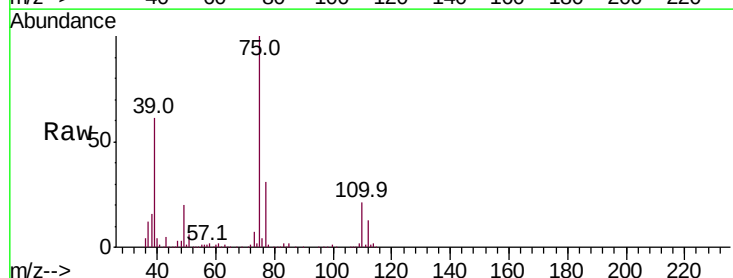
Tgt Ion: 75 Resp: 1238292

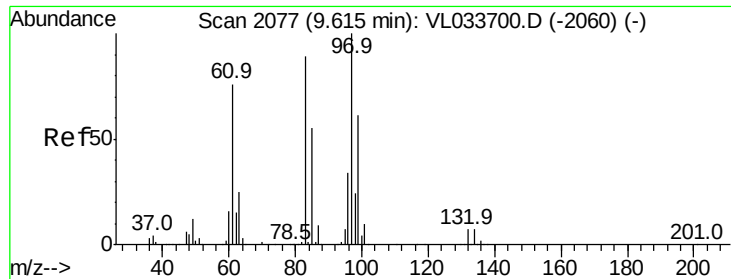
Ion Ratio Lower Upper

75 100

39 61.2 54.4 81.6

77 30.7 26.6 39.8





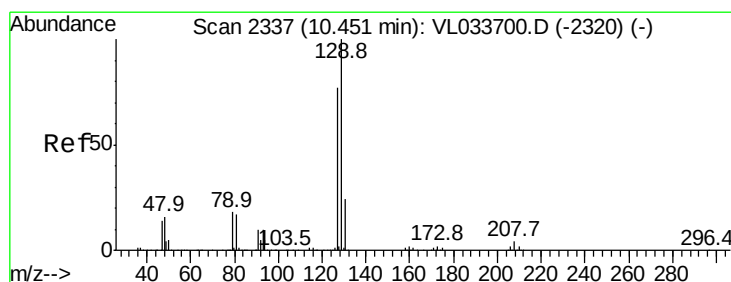
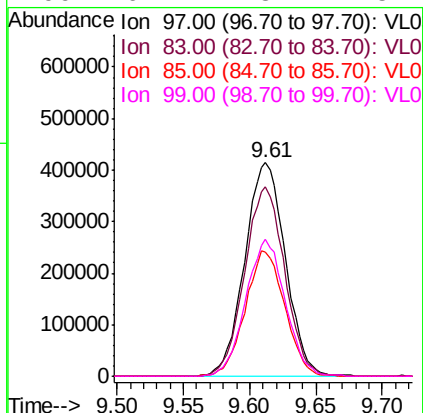
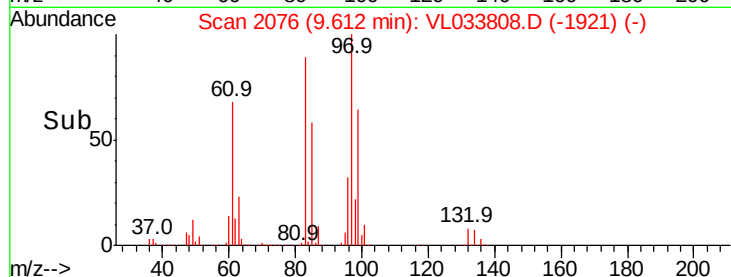
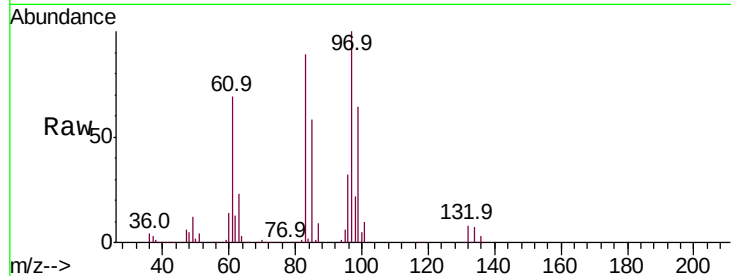
#47
 1,1,2-Trichloroethane
 Concen: 9.402 ppbv
 RT: 9.61 min Scan# 2076
 Delta R.T. -0.00 min
 Lab File: VL033808.D
 Acq: 28 May 2019 17:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.0	70.8	106.2
85	58.2	43.7	65.5
99	64.1	48.7	73.1

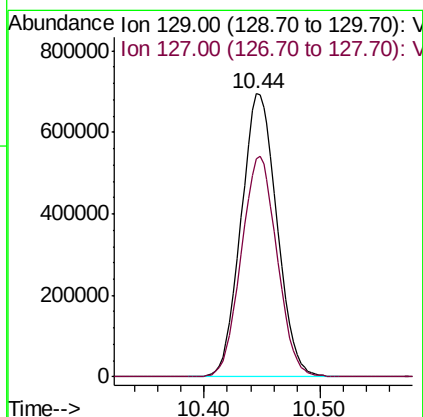
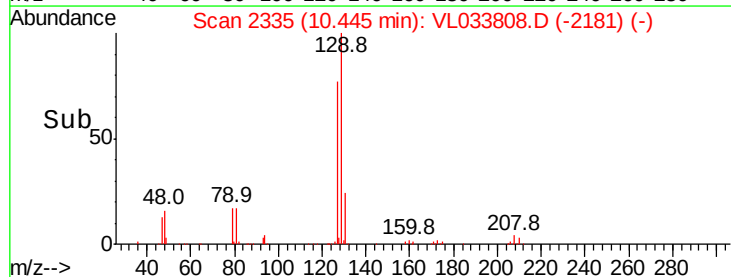
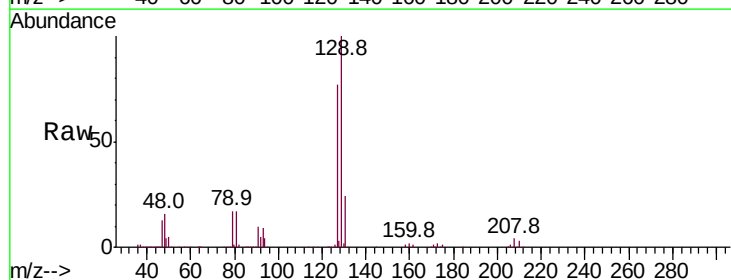
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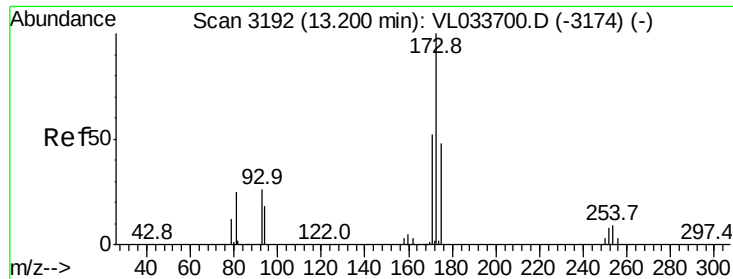
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#48
 Dibromochloromethane
 Concen: 9.200 ppbv
 RT: 10.44 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: VL033808.D
 Acq: 28 May 2019 17:01

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.6	116.0





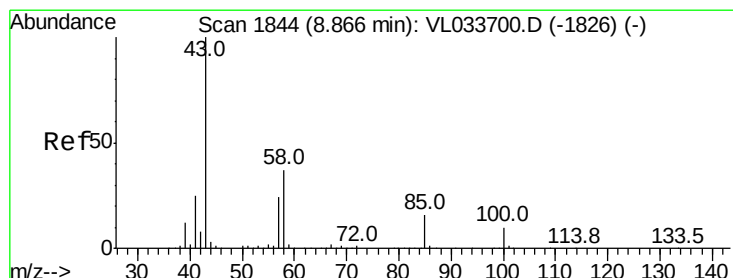
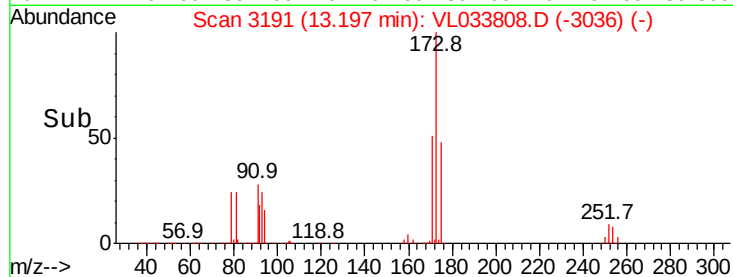
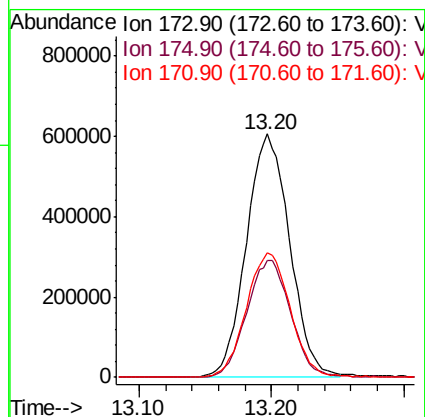
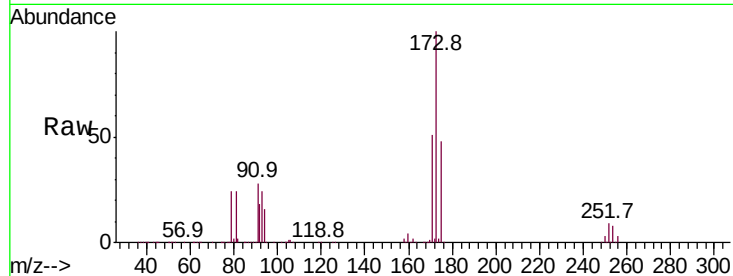
#49
Bromoform
Concen: 10.061 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. -0.00 min
Lab File: VL033808.D
Acq: 28 May 2019 17:01

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01DUP

Tot Ion:173 Resp: 1375343
Ion Ratio Lower Upper
173 100
175 49.5 38.6 58.0
171 52.4 41.5 62.3

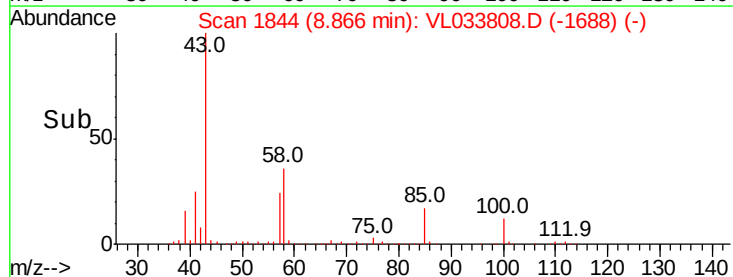
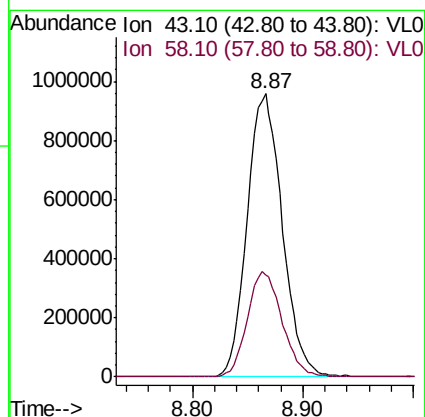
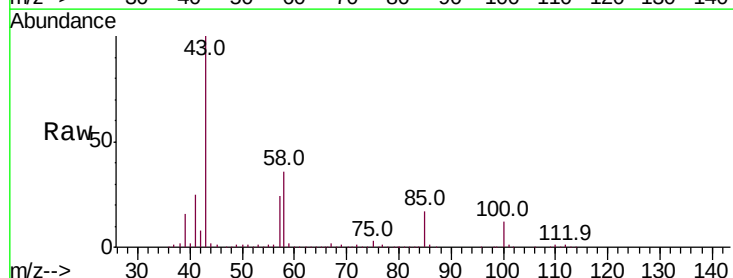
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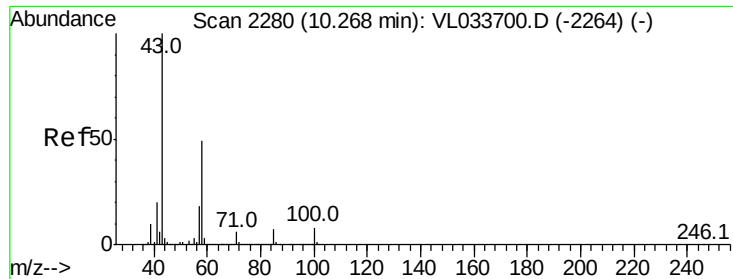
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#50
4-Methyl-2-Pentanone
Concen: 9.119 ppbv
RT: 8.87 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VL033808.D
Acq: 28 May 2019 17:01

Tgt Ion: 43 Resp: 2115898
Ion Ratio Lower Upper
43 100
58 36.6 28.6 43.0





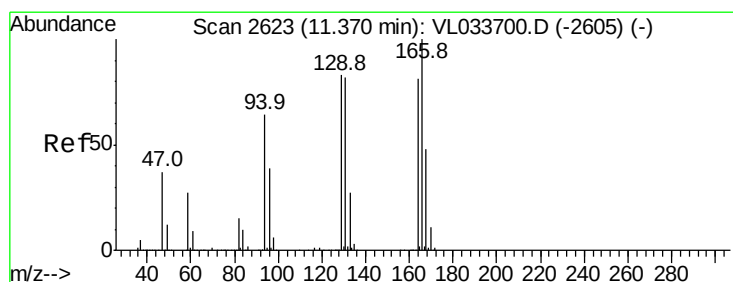
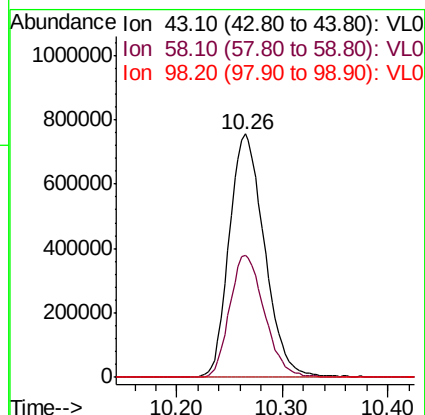
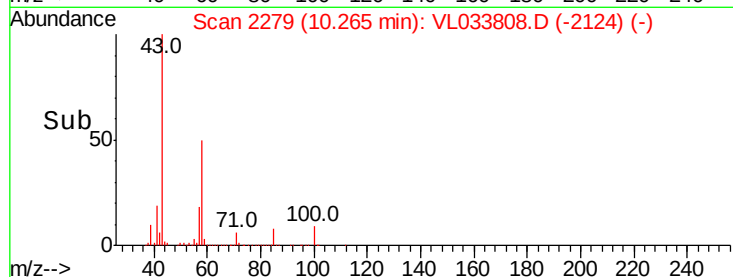
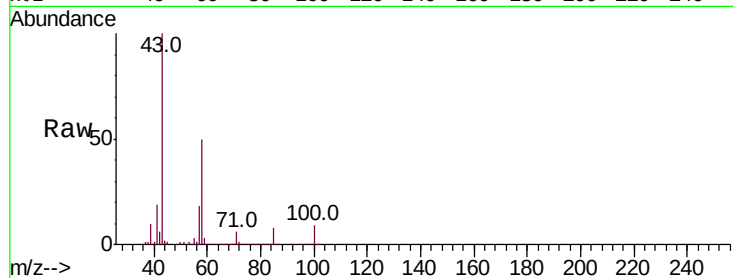
#51
2-Hexanone
Concen: 9.654 ppbv
RT: 10.26 min Scan# 2279
Delta R.T. -0.00 min
Lab File: VL033808.D
Acq: 28 May 2019 17:01

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01DUP

Tot Ion: 43 Resp: 1748327
Ion Ratio Lower Upper
43 100
58 49.6 38.7 58.1
98 0.1 0.2 0.4#

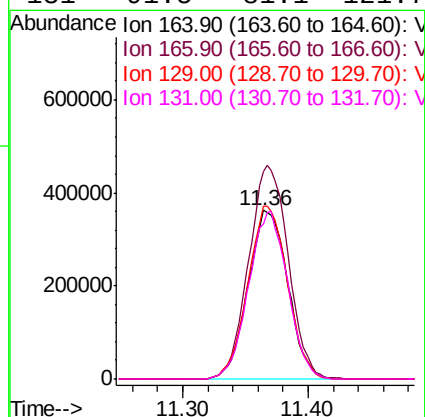
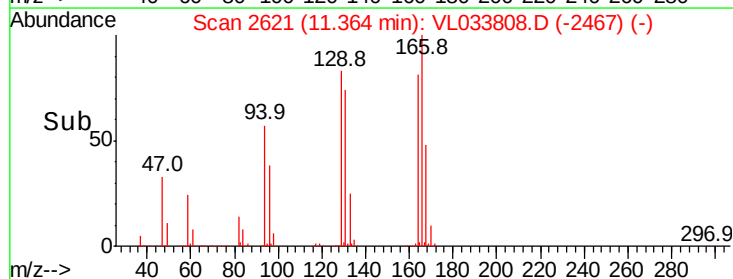
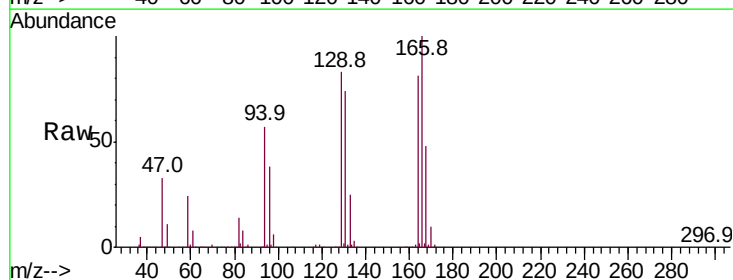
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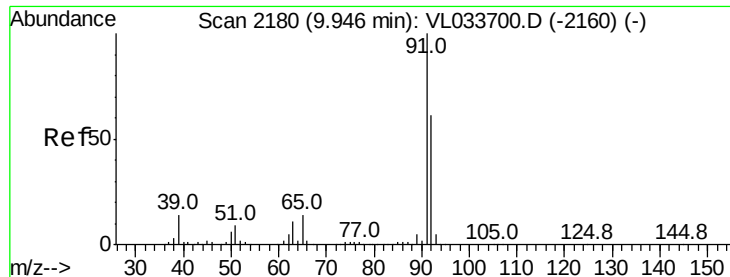
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#52
Tetrachloroethene
Concen: 10.234 ppbv
RT: 11.36 min Scan# 2621
Delta R.T. -0.01 min
Lab File: VL033808.D
Acq: 28 May 2019 17:01

Tgt Ion: 164 Resp: 796426
Ion Ratio Lower Upper
164 100
166 122.8 98.9 148.3
129 102.0 81.8 122.6
131 91.5 81.1 121.7





#53

Toluene

Concen: 10.220 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion: 91 Resp: 2440418

Ion Ratio Lower Upper

91 100

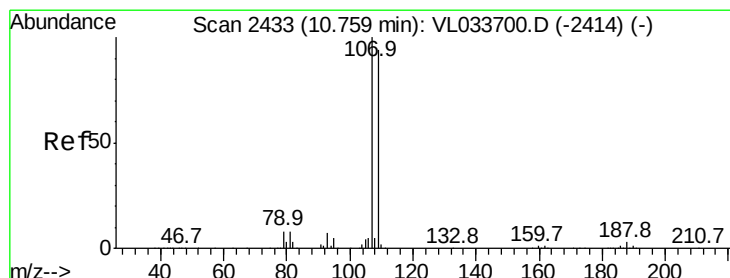
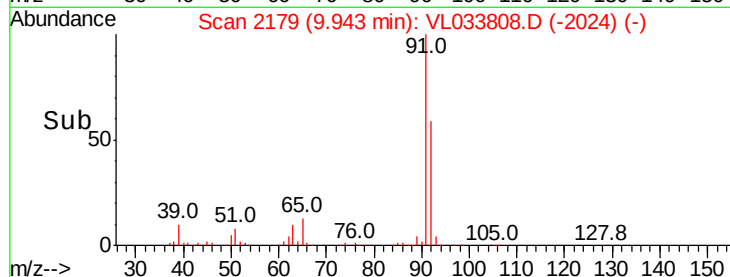
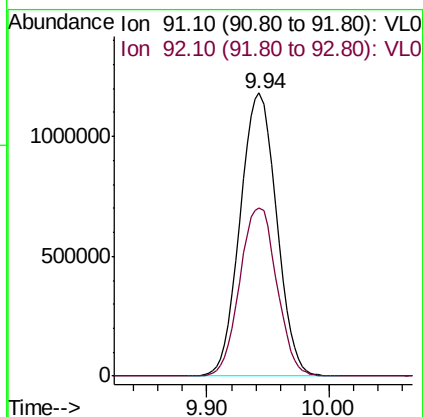
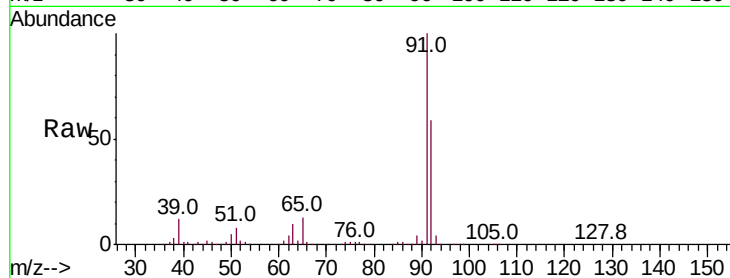
92 60.4 47.6 71.4

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#54

1,2-Dibromoethane

Concen: 9.564 ppbv

RT: 10.76 min Scan# 2432

Delta R.T. -0.00 min

Lab File: VL033808.D

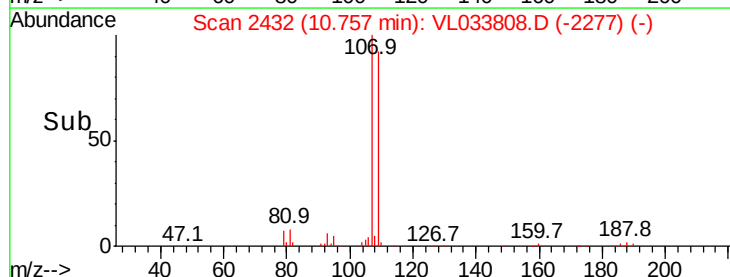
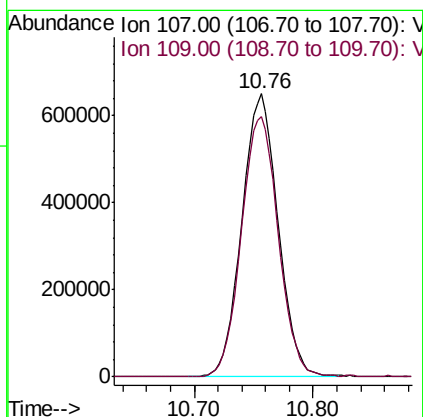
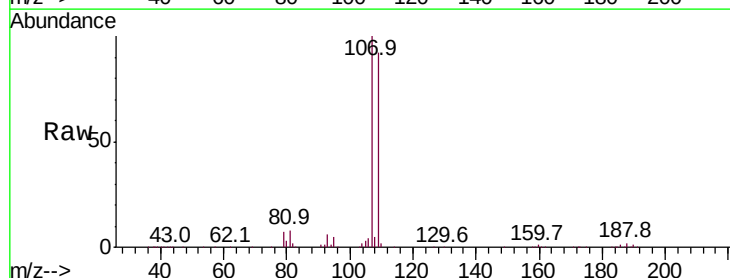
Acq: 28 May 2019 17:01

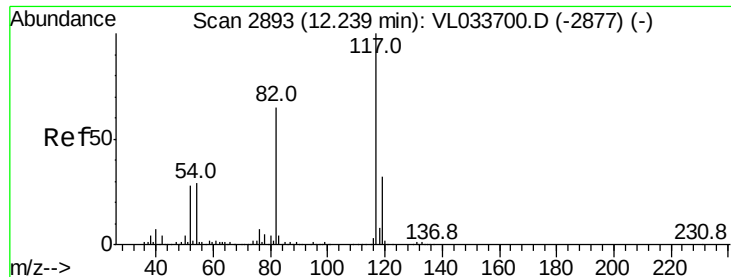
Tgt Ion:107 Resp: 1368469

Ion Ratio Lower Upper

107 100

109 91.9 75.2 112.8





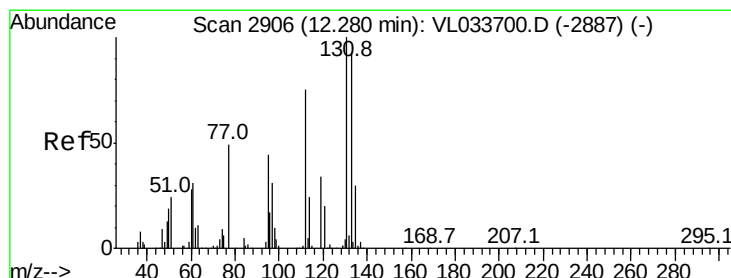
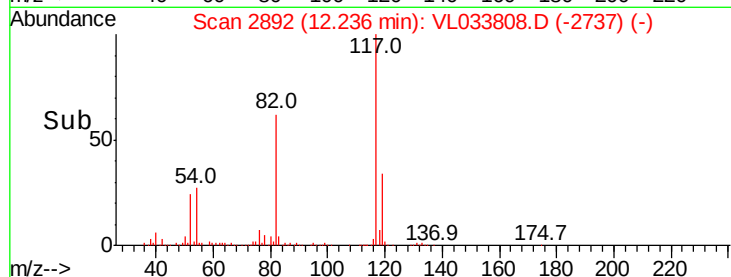
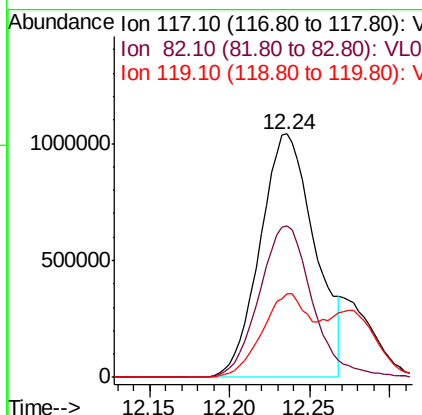
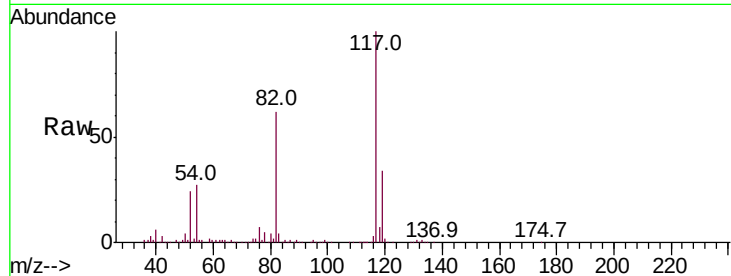
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033808.D
Acq: 28 May 2019 17:01

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01DUP

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.8	49.4	74.0
119	30.3	24.9	37.3

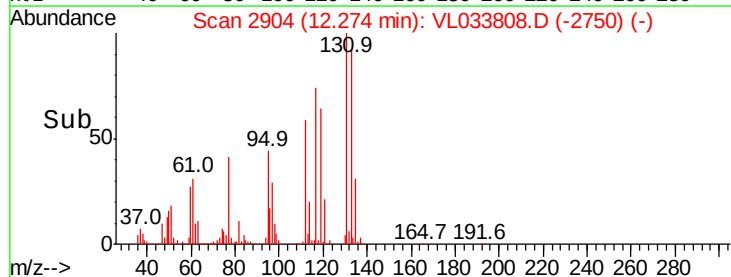
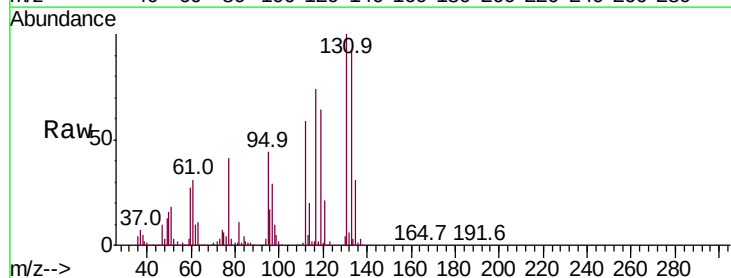
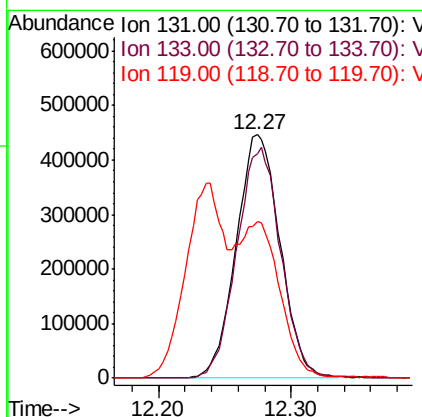
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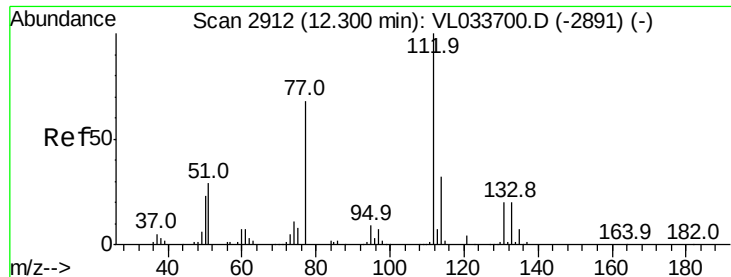
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.957 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033808.D
Acq: 28 May 2019 17:01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	76.6	114.8
119	52.9	49.0	73.4





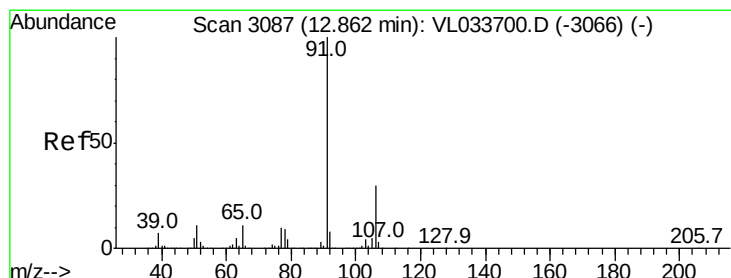
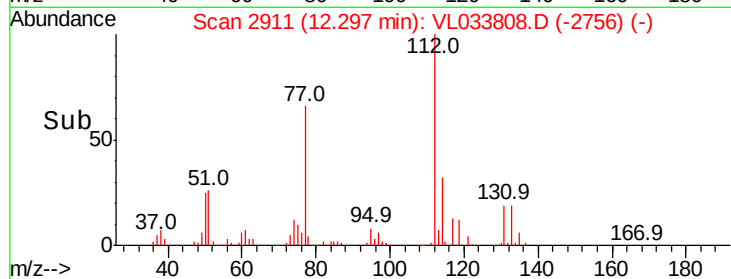
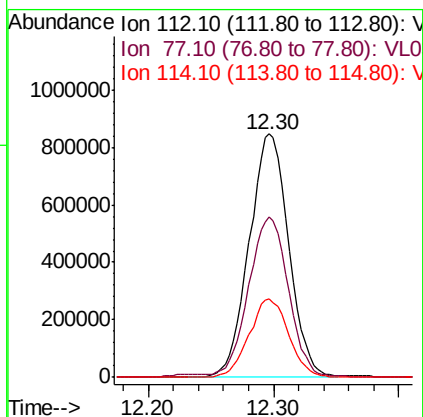
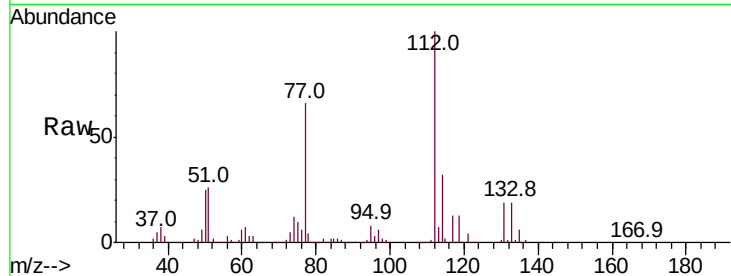
#57
Chlorobenzene
Concen: 9.099 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL033808.D
Acq: 28 May 2019 17:01

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01DUP

Tot Ion	Ratio	Lower	Upper
112	100		
77	65.4	55.4	83.0
114	32.1	29.3	35.8

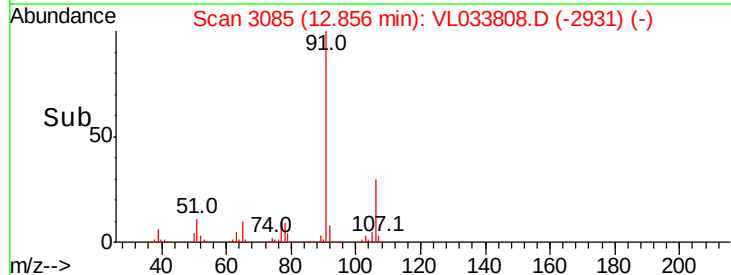
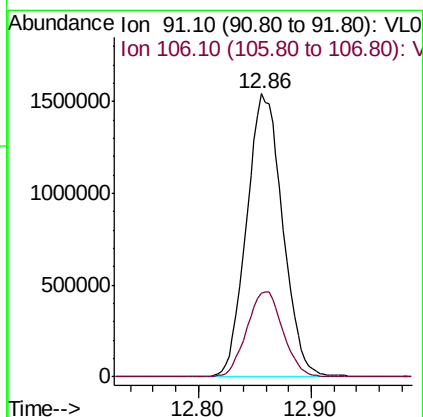
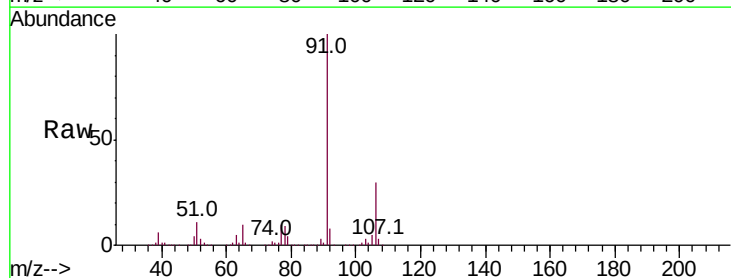
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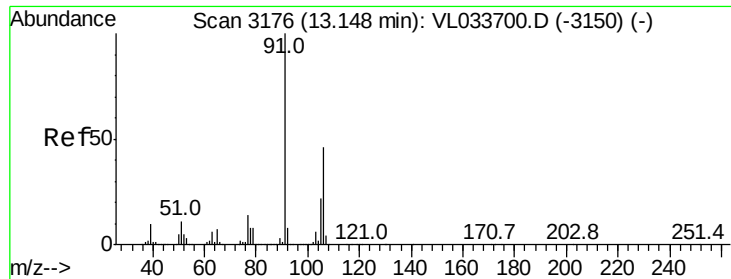
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#58
Ethyl Benzene
Concen: 10.456 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033808.D
Acq: 28 May 2019 17:01

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.9	35.9





#59

m/p-Xylene

Concen: 19.484 ppbv m

RT: 13.15 min Scan# 3175

Delta R.T. -0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion: 91 Resp: 5566683

Ion Ratio Lower Upper

91 100

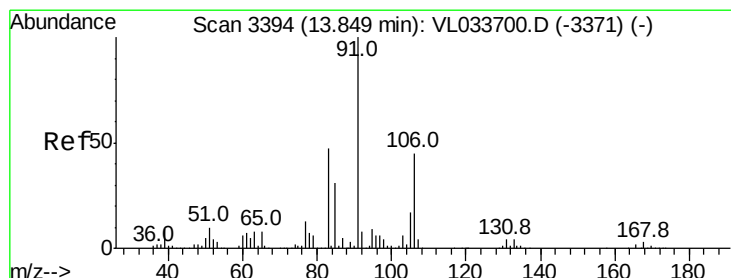
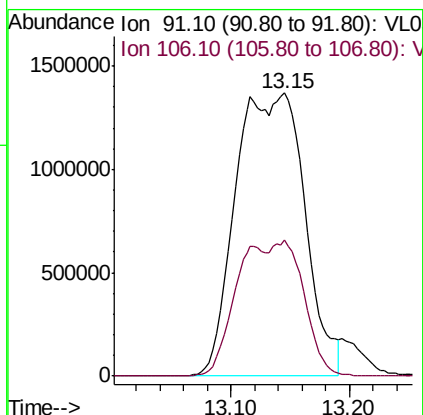
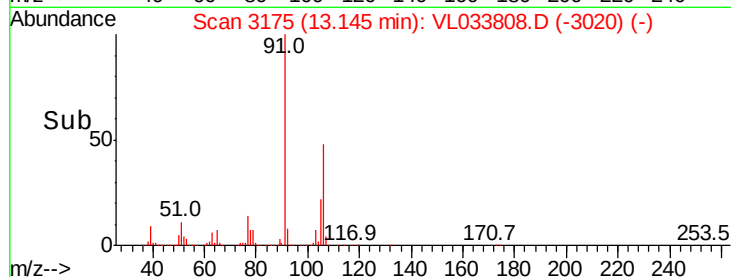
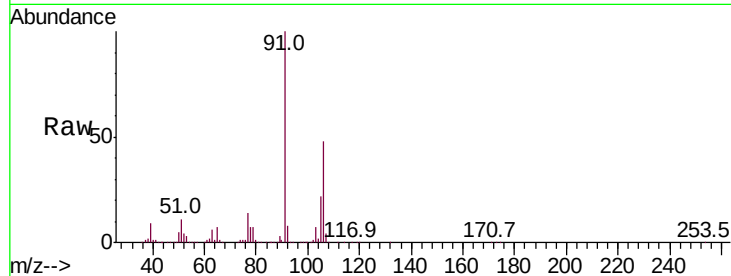
106 46.2 35.8 53.6

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#60

o-Xylene

Concen: 9.645 ppbv

RT: 13.85 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VL033808.D

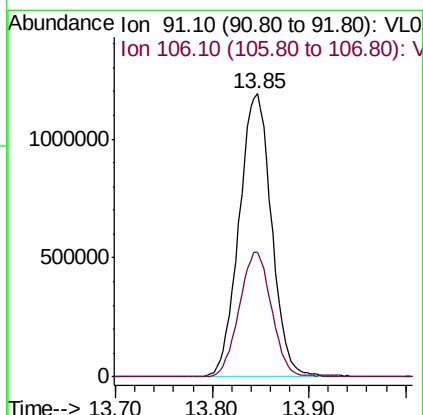
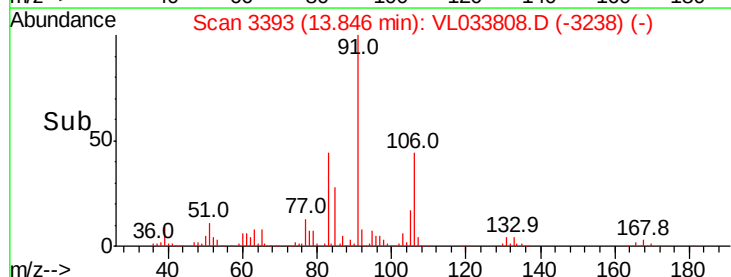
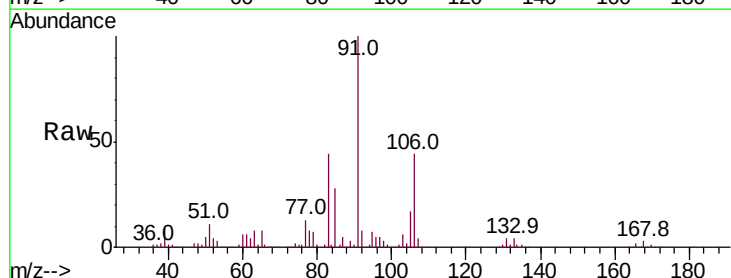
Acq: 28 May 2019 17:01

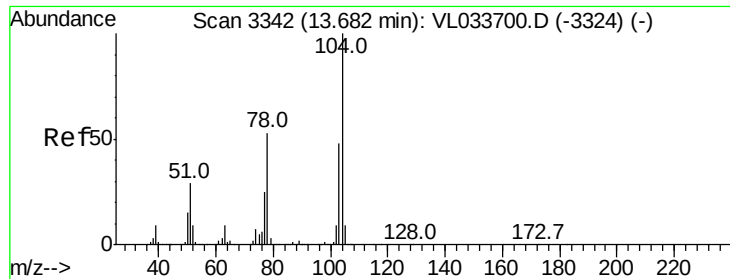
Tgt Ion: 91 Resp: 2777907

Ion Ratio Lower Upper

91 100

106 44.3 21.6 64.8





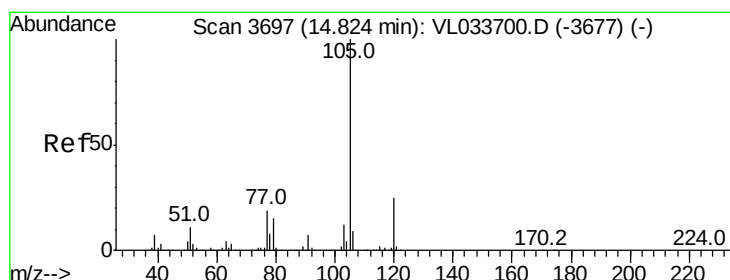
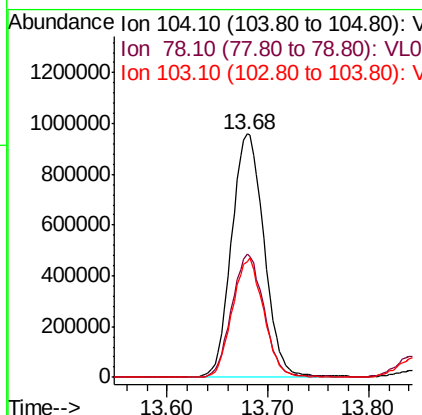
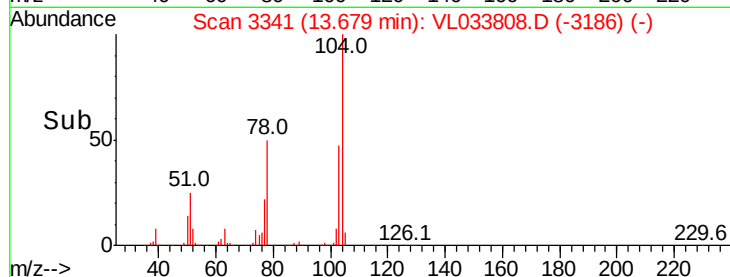
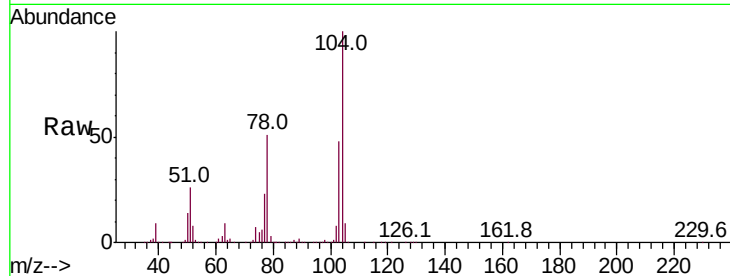
#61
 Stvrene
 Concen: 11.095 ppbv
 RT: 13.68 min Scan# 3341
 Delta R.T. -0.00 min
 Lab File: VL033808.D
 Acq: 28 May 2019 17:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

Tot Ion:104 Resp: 2151350
 Ion Ratio Lower Upper
 104 100
 78 50.5 42.6 64.0
 103 47.5 37.8 56.6

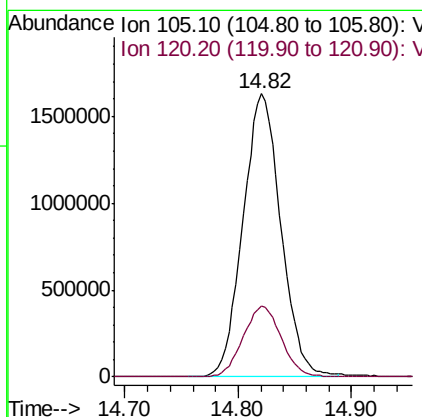
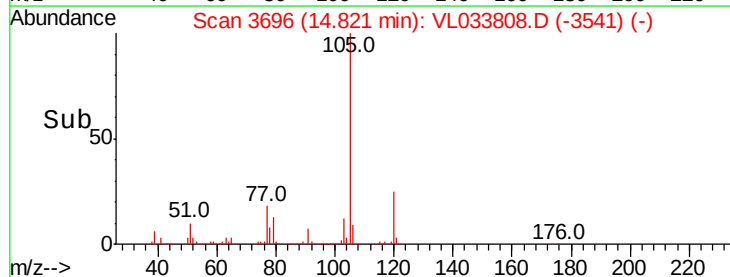
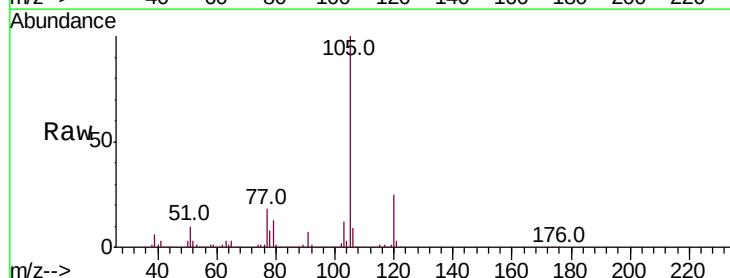
Manual Integrations
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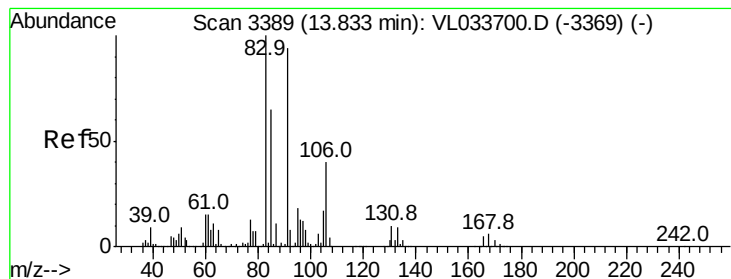
apatel
 5/29/2019 12:40:23 PM



#62
 Isopropylbenzene
 Concen: 9.770 ppbv
 RT: 14.82 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VL033808.D
 Acq: 28 May 2019 17:01

Tgt Ion:105 Resp: 3789552
 Ion Ratio Lower Upper
 105 100
 120 25.4 20.1 30.1





#63

1,1,2,2-Tetrachloroethane

Concen: 9.069 ppbv

RT: 13.83 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion: 83 Resp: 1899545

Ion Ratio Lower Upper

83 100

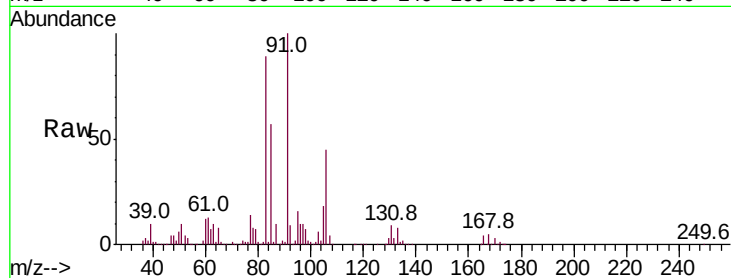
131 9.7 4.8 14.3

85 64.9 32.3 96.9

Manual Integrations
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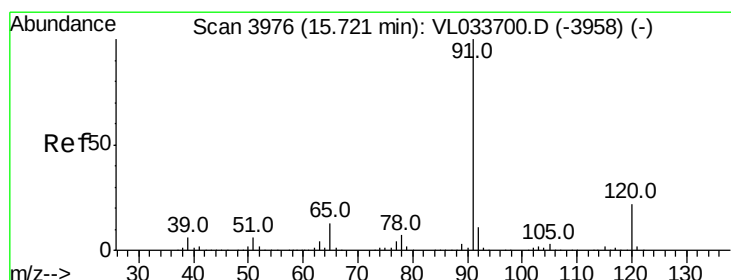
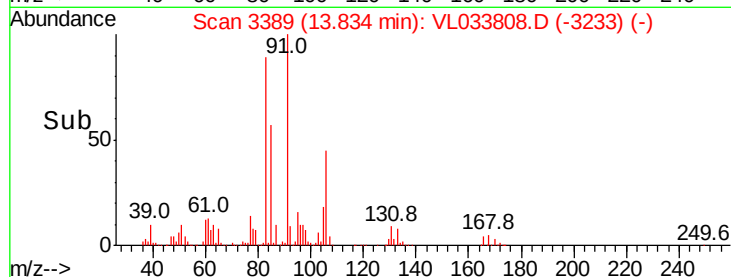
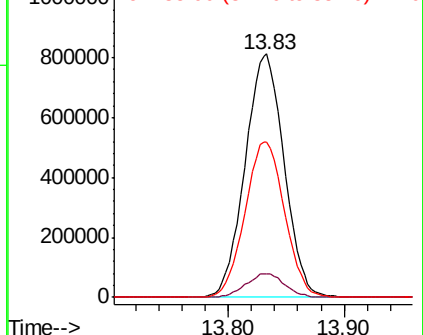
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.590 ppbv

RT: 15.72 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VL033808.D

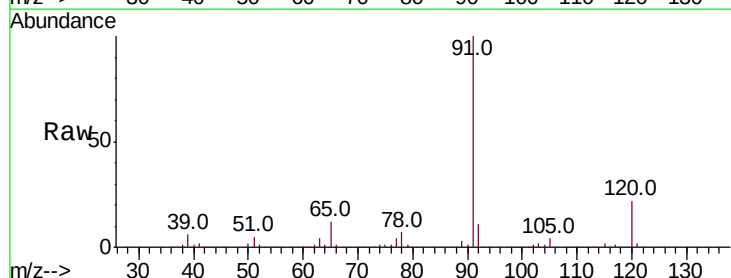
Acq: 28 May 2019 17:01

Tgt Ion:120 Resp: 962097

Ion Ratio Lower Upper

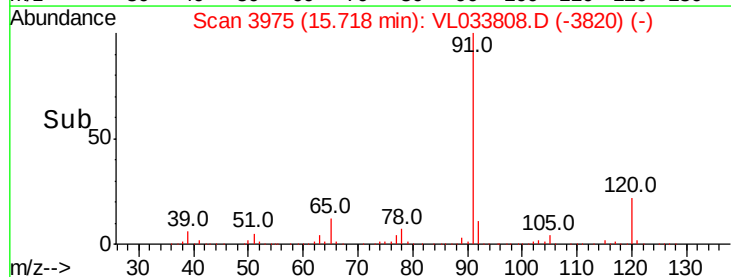
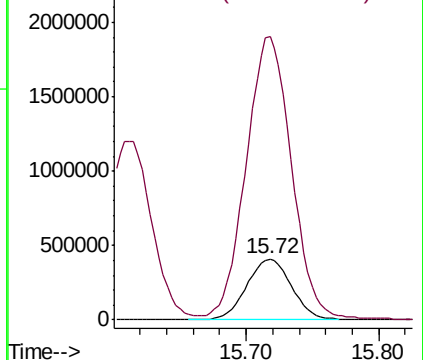
120 100

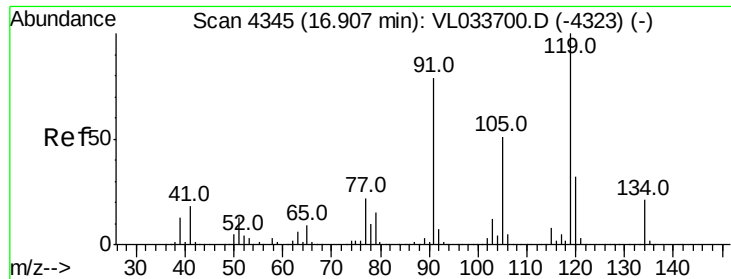
91 476.3 379.1 568.7



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 9.571 ppbv

RT: 16.90 min Scan# 4344

Delta R.T. -0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion:119 Resp: 3389249

Ion Ratio Lower Upper

119 100

91 79.3 65.3 97.9

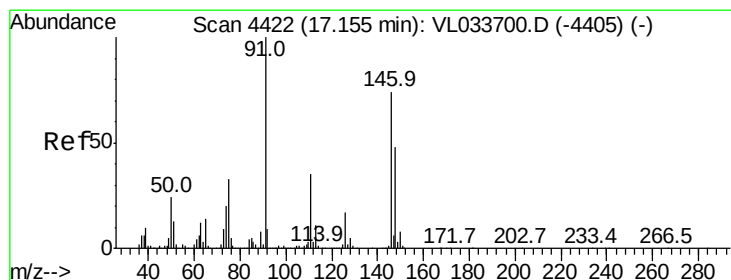
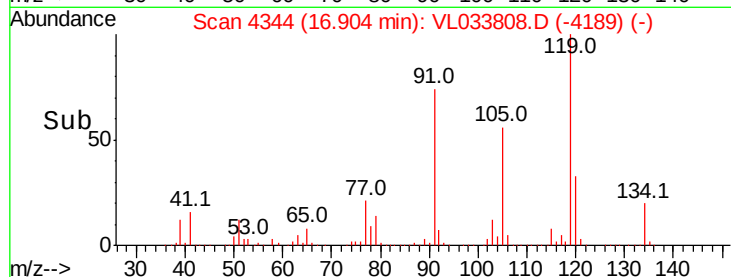
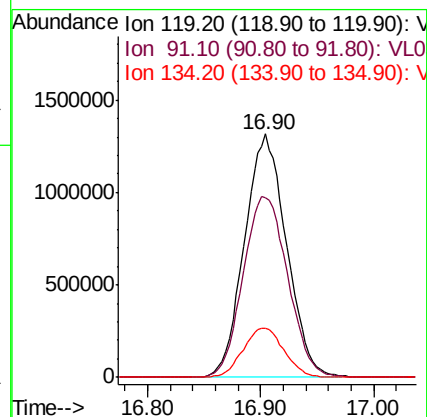
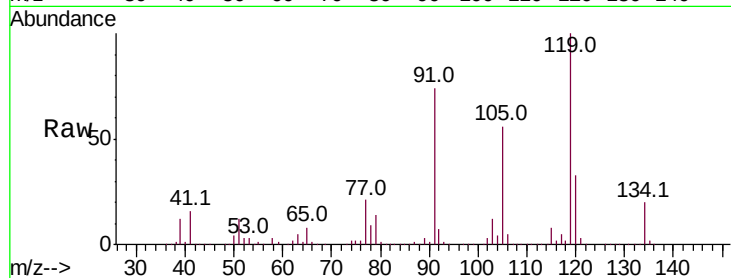
134 19.8 15.7 23.5

Manual Integrations

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#66

Benzyl Chloride

Concen: 10.070 ppbv

RT: 17.15 min Scan# 4420

Delta R.T. -0.01 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

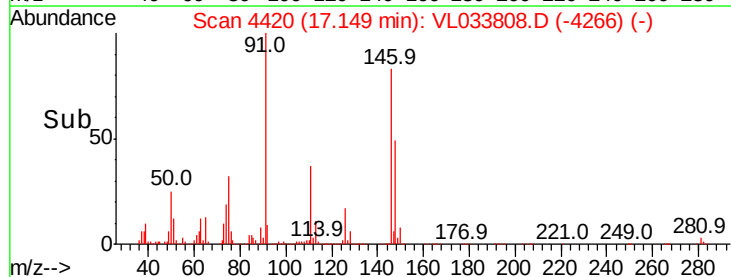
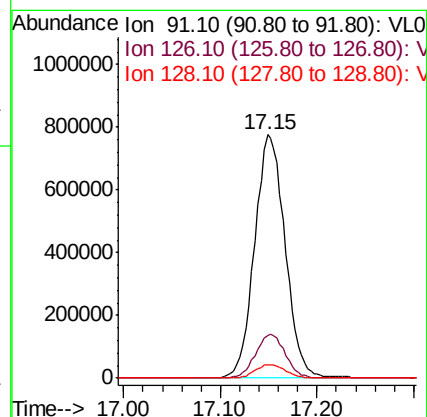
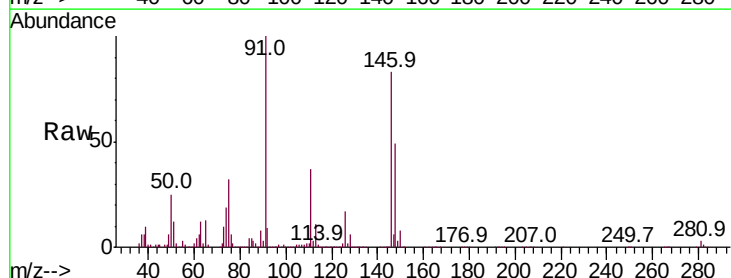
Tgt Ion: 91 Resp: 1698482

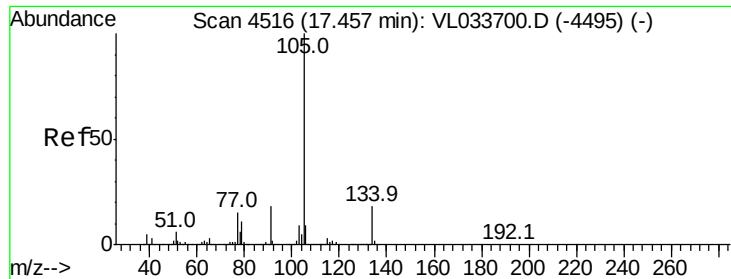
Ion Ratio Lower Upper

91 100

126 17.7 13.5 20.3

128 5.6 4.3 6.5





#67

sec-Butylbenzene

Concen: 9.729 ppbv

RT: 17.45 min Scan# 4515

Delta R.T. -0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion:105 Resp: 4822377

Ion Ratio Lower Upper

105 100

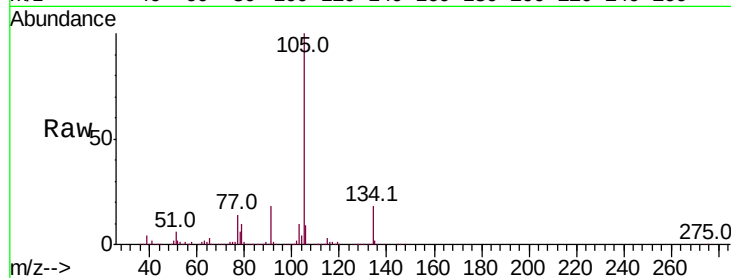
134 18.1 14.6 22.0

Manual Integrations

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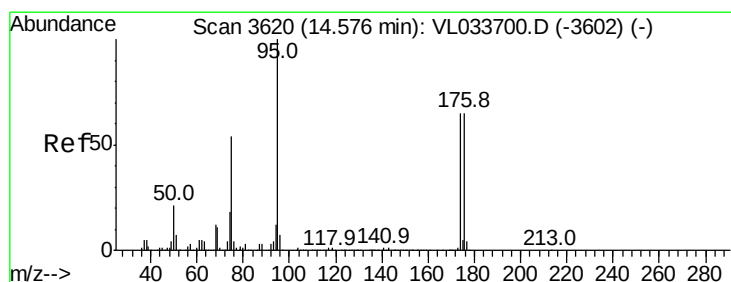
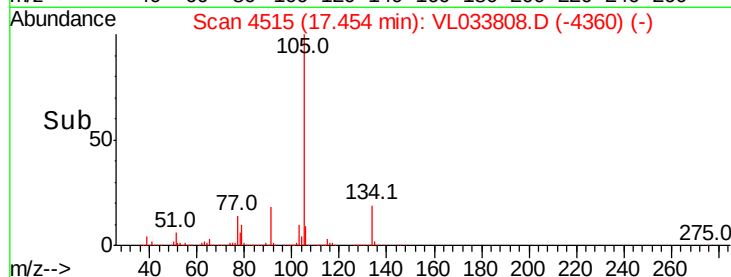
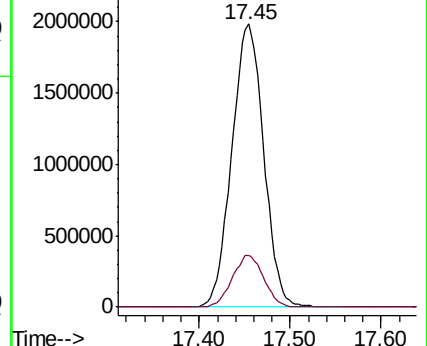
apatel

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.194 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

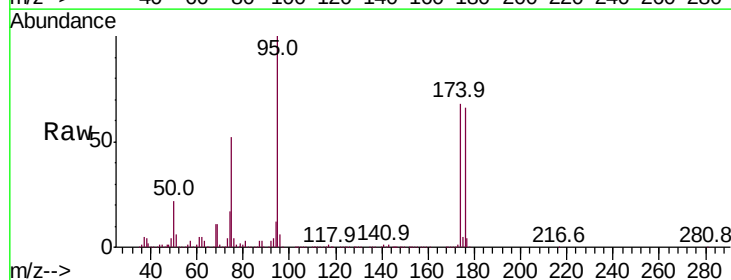
Tgt Ion: 95 Resp: 1839646

Ion Ratio Lower Upper

95 100

174 70.0 53.9 80.9

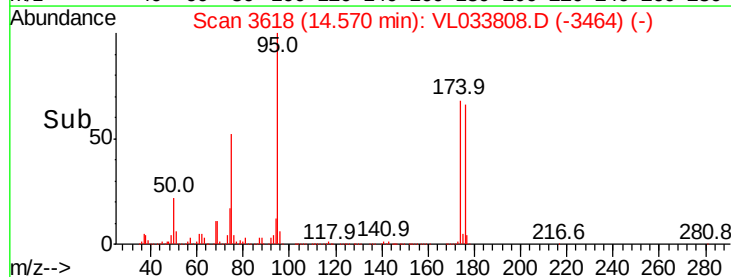
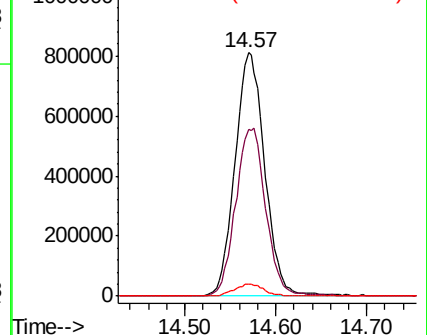
175 5.0 3.8 5.8

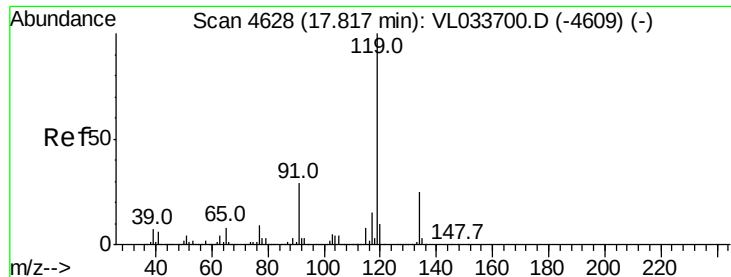


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





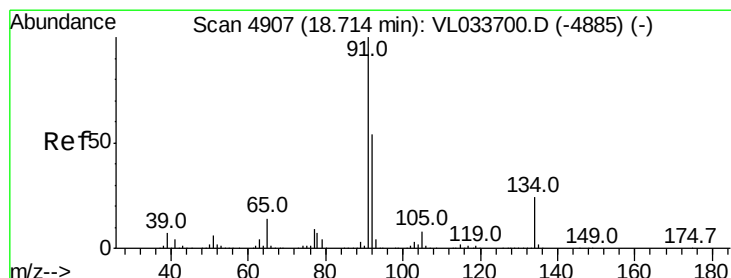
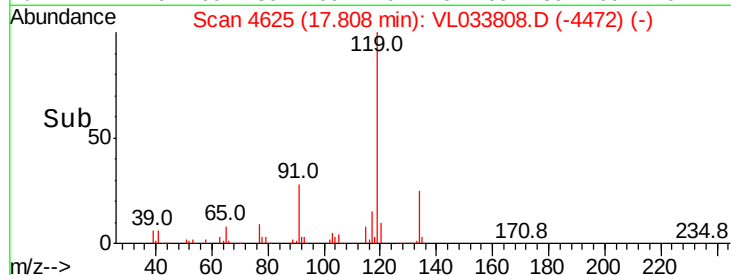
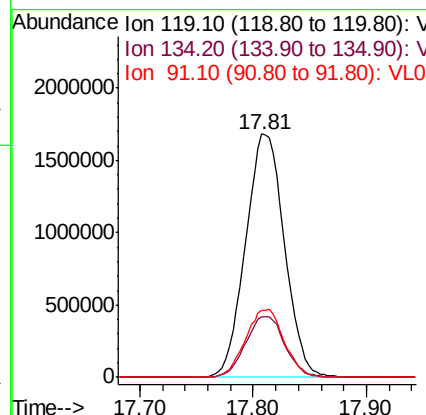
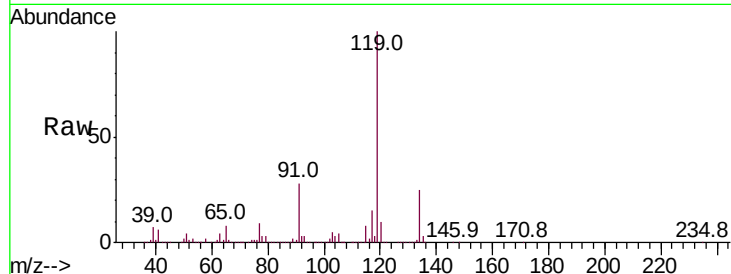
#69
 p-Isopropyltoluene
 Concen: 9.825 ppbv
 RT: 17.81 min Scan# 4625
 Delta R.T. -0.01 min
 Lab File: VL033808.D
 Acq: 28 May 2019 17:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.3	30.5
91	27.9	23.1	34.7

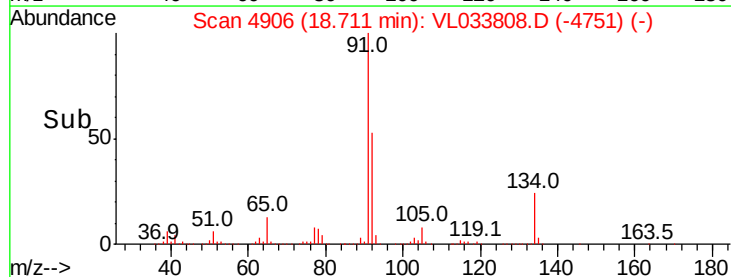
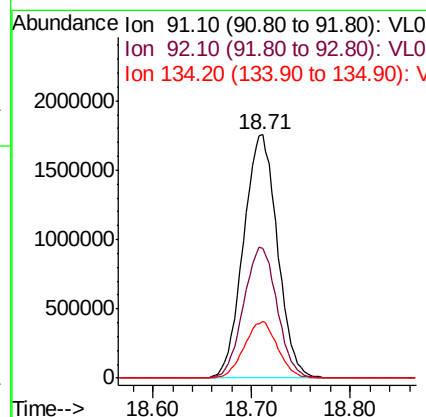
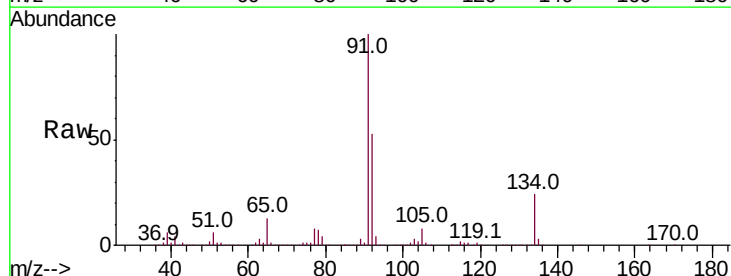
Manual Integrations
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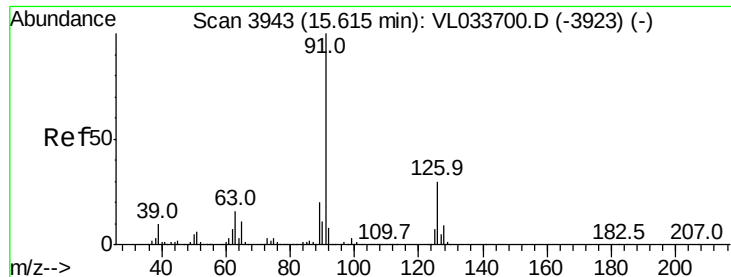
apatel
 5/29/2019 12:40:23 PM



#70
 n-Butylbenzene
 Concen: 9.513 ppbv
 RT: 18.71 min Scan# 4906
 Delta R.T. -0.00 min
 Lab File: VL033808.D
 Acq: 28 May 2019 17:01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.4	42.6	63.8
134	22.9	18.1	27.1





#71

2-Chlorotoluene

Concen: 9.860 ppbv

RT: 15.61 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion: 91 Resp: 2837481

Ion Ratio Lower Upper

91 100

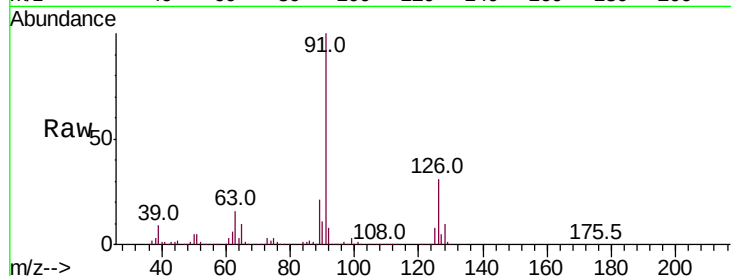
126 30.9 12.0 47.8

Manual Integrations

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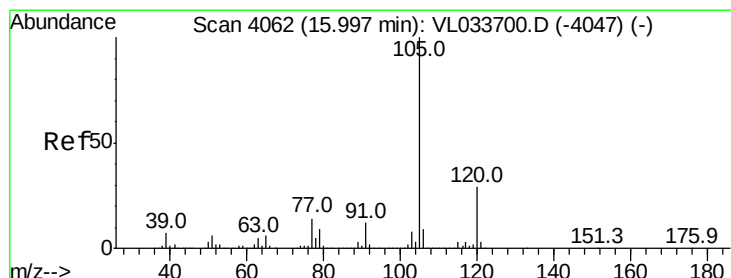
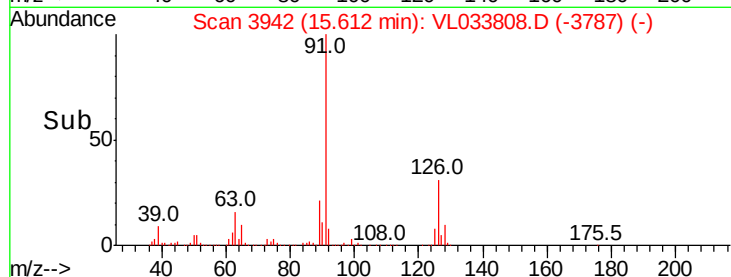
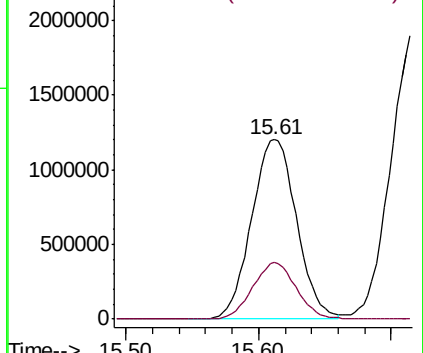
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.140 ppbv

RT: 16.00 min Scan# 4062

Delta R.T. 0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

Tgt Ion:105 Resp: 3338988

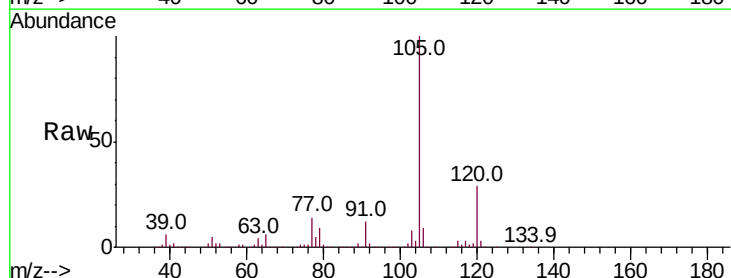
Ion Ratio Lower Upper

105 100

120 29.2 23.1 34.7

91 12.5 10.4 15.6

77 13.1 11.0 16.6

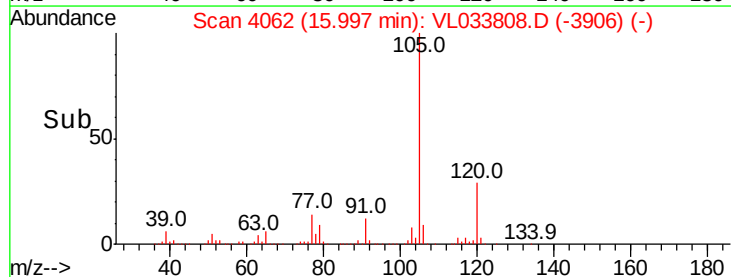
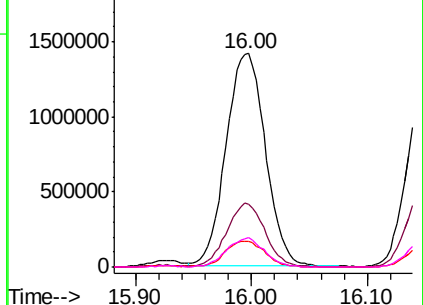


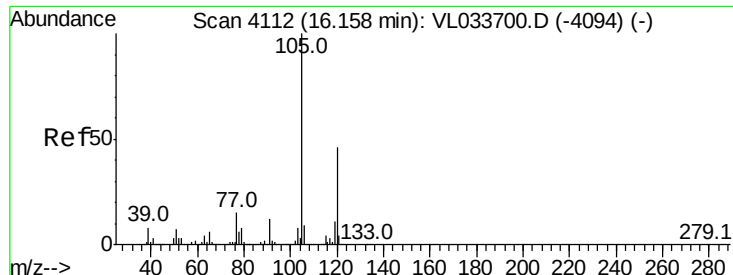
Abundance Ion 105.10 (104.80 to 105.80): V

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: 9.788 ppbv

RT: 16.16 min Scan# 4111

Delta R.T. -0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion:105 Resp: 3144722

Ion Ratio Lower Upper

105 100

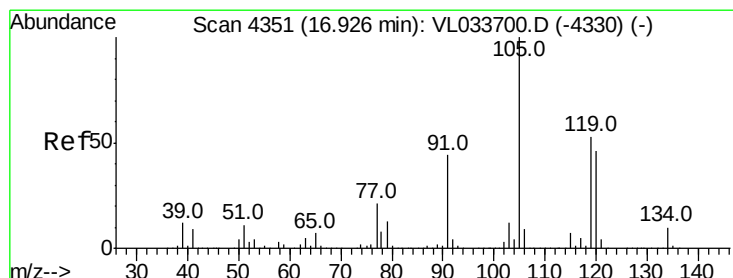
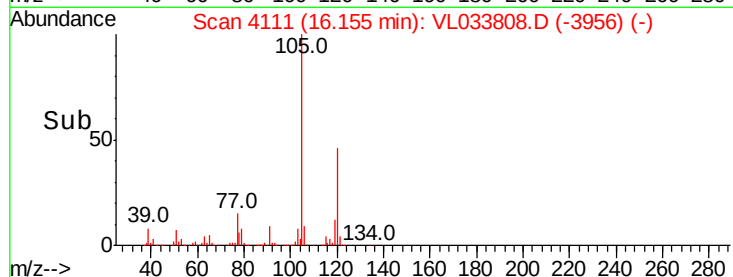
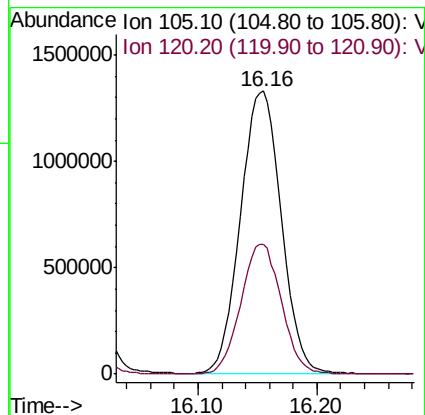
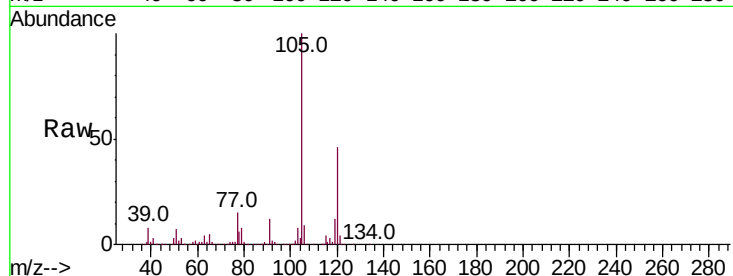
120 45.8 37.0 55.4

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#74

1,2,4-Trimethylbenzene

Concen: 9.255 ppbv

RT: 16.92 min Scan# 4349

Delta R.T. -0.01 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

Tgt Ion:105 Resp: 3236107

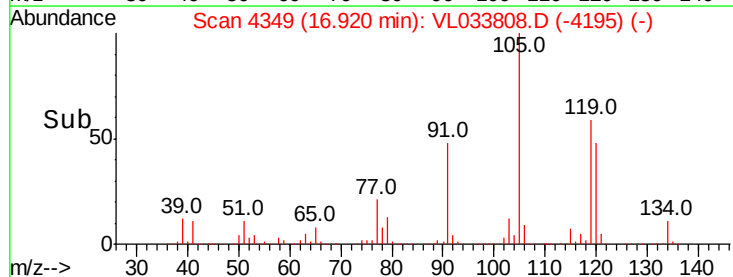
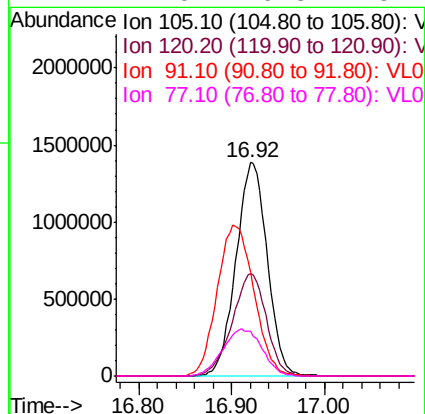
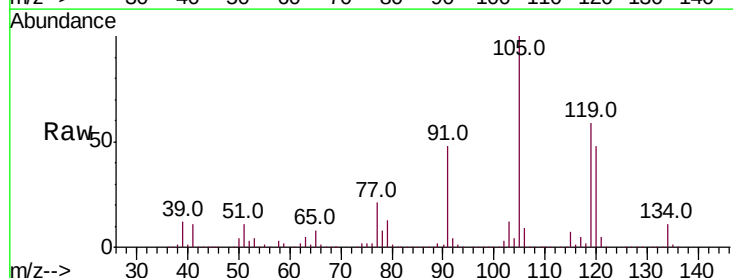
Ion Ratio Lower Upper

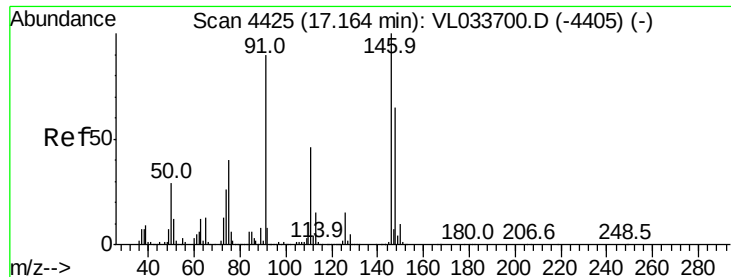
105 100

120 48.1 36.8 55.2

91 48.4 35.4 53.0

77 21.0 16.8 25.2





#75

1,3-Dichlorobenzene

Concen: 9.025 ppbv

RT: 17.16 min Scan# 4424

Delta R.T. -0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion:146 Resp: 1933815

Ion Ratio Lower Upper

146 100

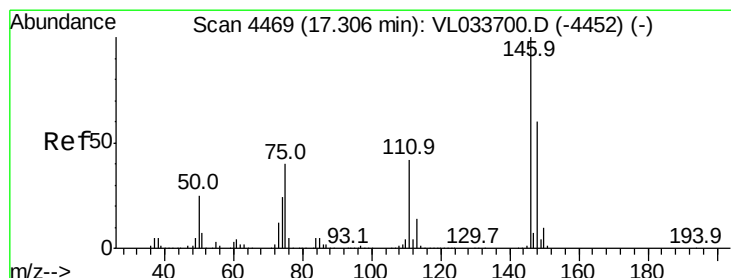
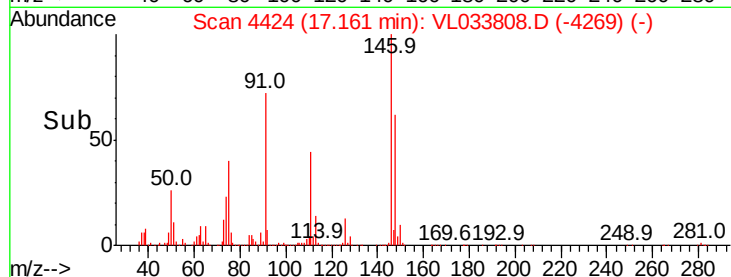
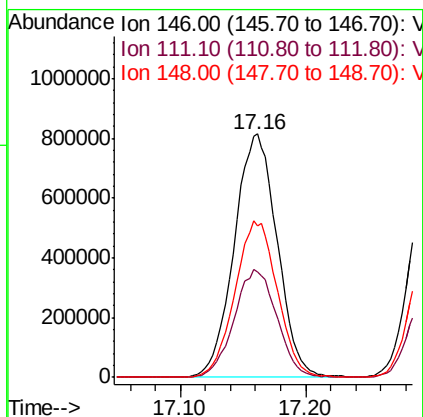
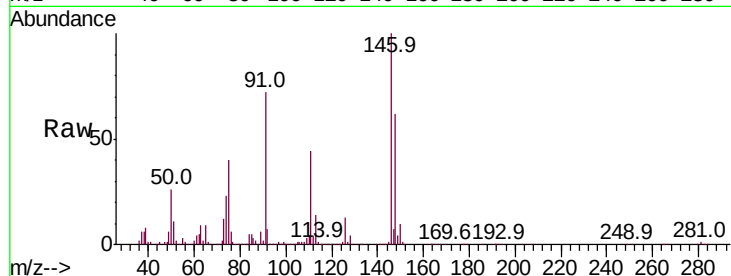
111 44.2 22.9 68.8

148 63.6 32.0 96.2

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 9.415 ppbv

RT: 17.31 min Scan# 4469

Delta R.T. 0.00 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

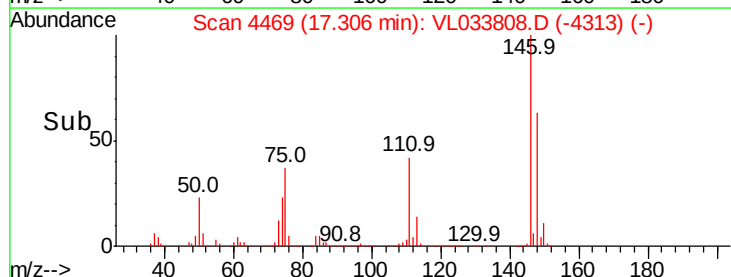
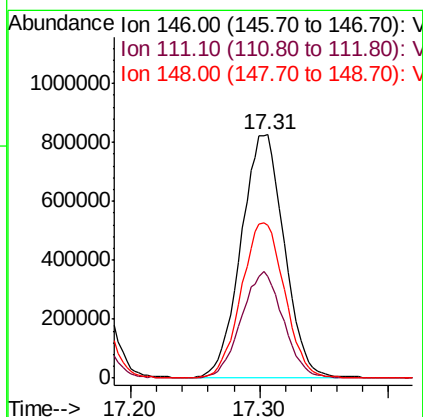
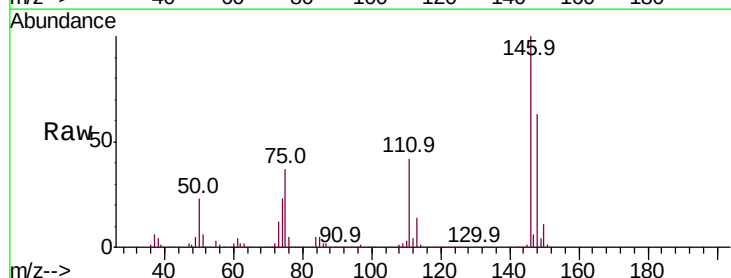
Tgt Ion:146 Resp: 1917425

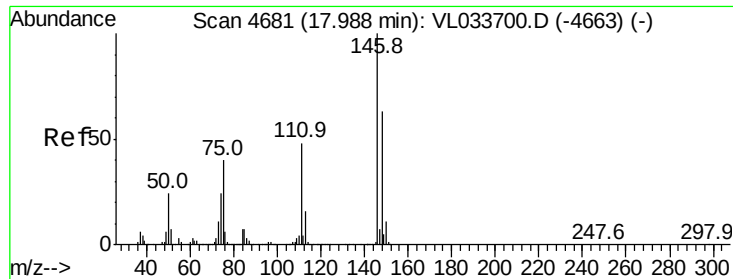
Ion Ratio Lower Upper

146 100

111 42.8 21.9 65.8

148 64.5 32.1 96.3





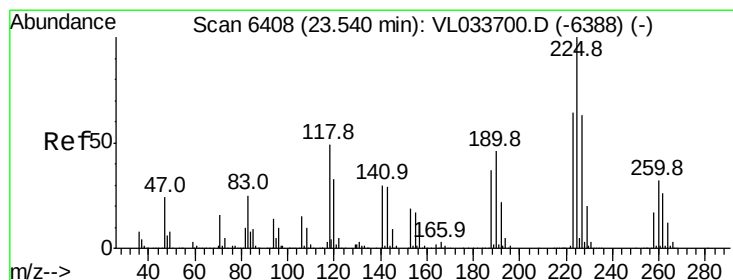
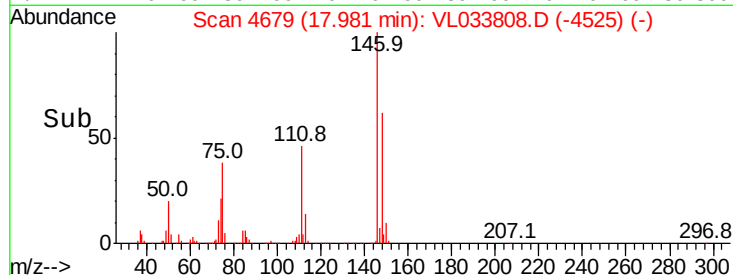
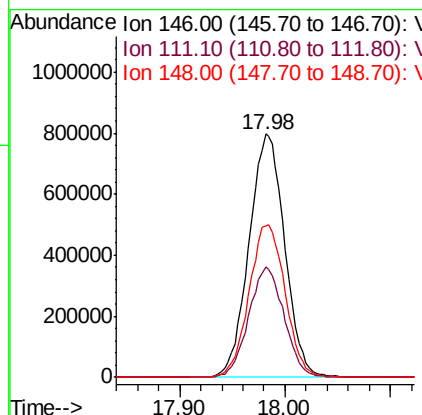
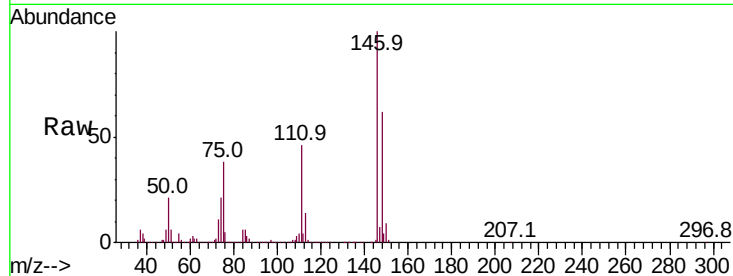
#77
 1,2-Dichlorobenzene
 Concen: 9.314 ppbv
 RT: 17.98 min Scan# 4679
 Delta R.T. -0.01 min
 Lab File: VL033808.D
 Acq: 28 May 2019 17:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	23.5	70.5
148	63.9	32.1	96.3

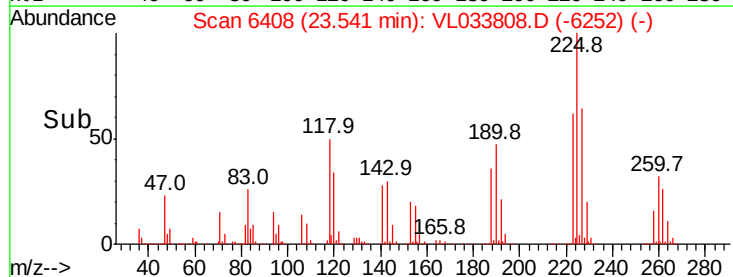
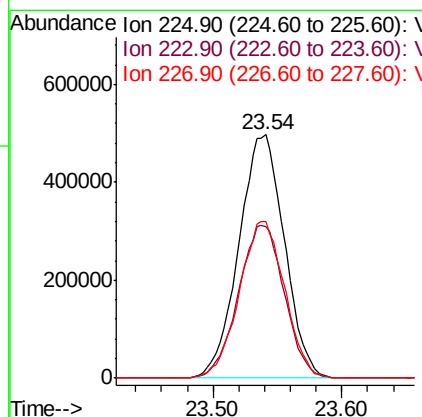
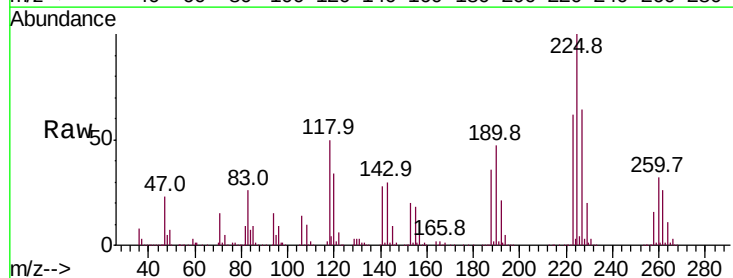
Manual Integrations
 APPROVED

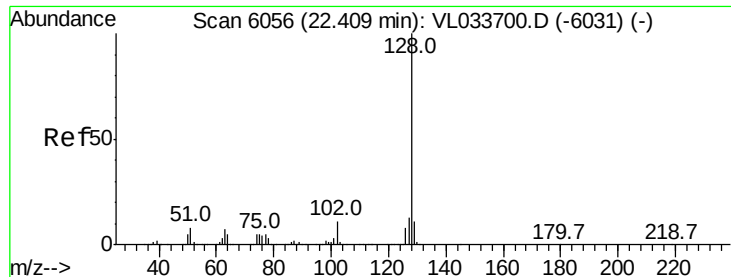
apatel
 5/29/2019 12:40:23 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.029 ppbv
 RT: 23.54 min Scan# 6408
 Delta R.T. 0.00 min
 Lab File: VL033808.D
 Acq: 28 May 2019 17:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.2	75.4
227	64.2	50.7	76.1





#79

Naphthalene

Concen: 8.035 ppbv

RT: 22.40 min Scan# 6054

Delta R.T. -0.01 min

Lab File: VL033808.D

Acq: 28 May 2019 17:01

Instrument :

MSVOA_L

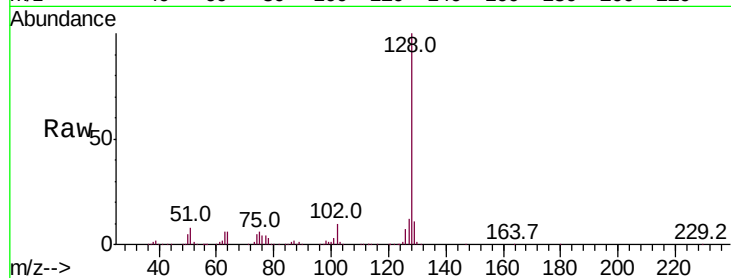
ClientSampleId :

VL0528ABS01DUP

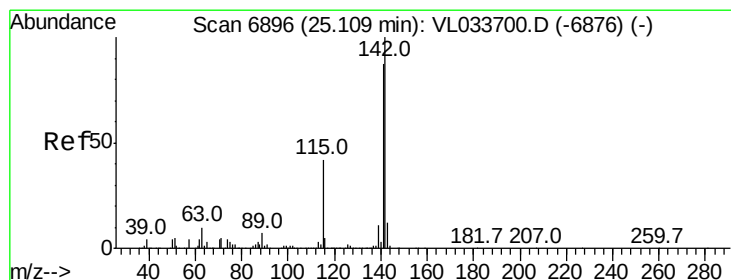
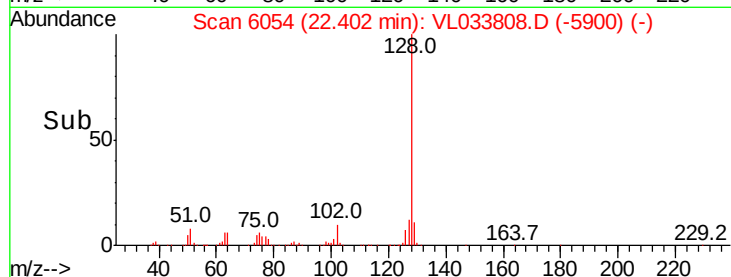
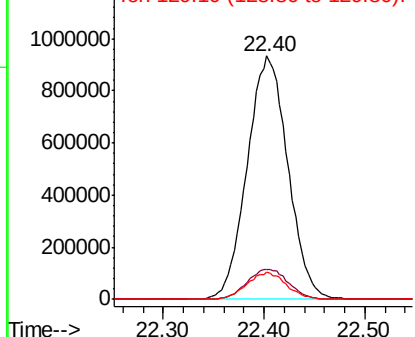
Tot Ion:	128	Resp:	2609664
Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.6	16.0
129	11.3	8.9	13.3

Manual Integrations
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5/29/2019 12:40:23 PM



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 8.343 ppbv

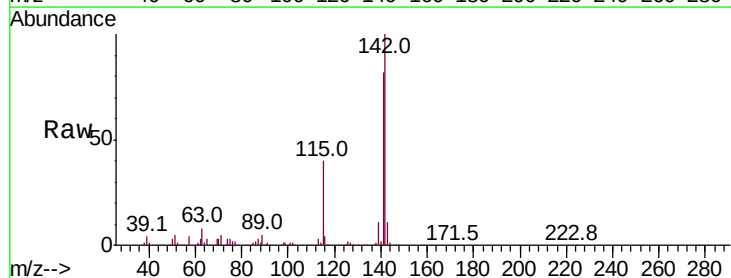
RT: 25.11 min Scan# 6895

Delta R.T. -0.00 min

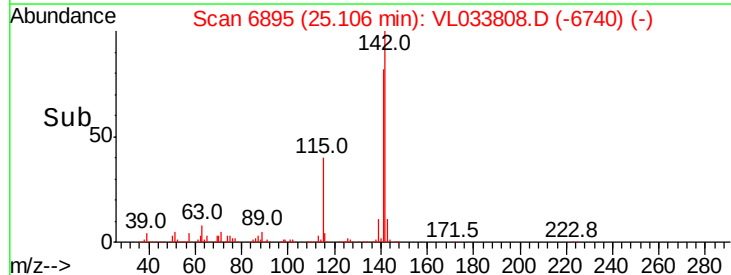
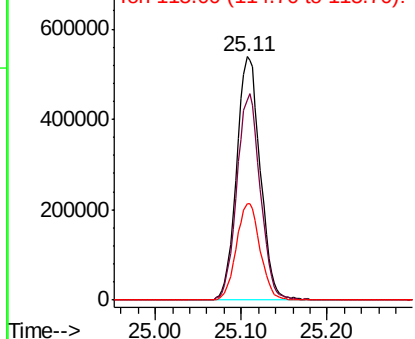
Lab File: VL033808.D

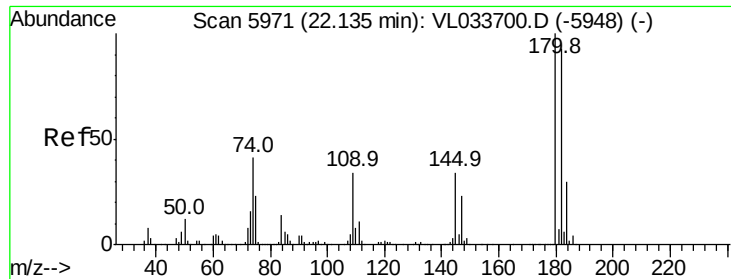
Acq: 28 May 2019 17:01

Tgt Ion:	142	Resp:	1029614
Ion	Ratio	Lower	Upper
142	100		
141	84.1	67.2	100.8
115	40.1	34.1	51.1



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 7.901 ppbv
 RT: 22.13 min Scan# 5969
 Delta R.T. -0.01 min
 Lab File: VL033808.D
 Acq: 28 May 2019 17:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.1	114.1
184	30.4	24.6	37.0

Manual Integrations
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