

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052919\
 Data File : VL033843.D
 Acq On : 29 May 2019 19:29
 Operator : SY/AP
 Sample : VL0529ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0529ABS01

Manual Integrations
 APPROVED

apatel
 5/31/2019 12:45:15 PM

Quant Time: May 30 02:22:21 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	742504	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1814956	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1846686	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1489575	9.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.07	85	1120922	7.163	ppbv 98
3) Chlorodifluoromethane	3.01	51	923464	10.858	ppbv 99
4) Chloromethane	3.17	50	527331	10.840	ppbv 99
5) Vinyl Chloride	3.29	62	539829	10.894	ppbv 96
6) Bromomethane	3.51	94	333890	11.043	ppbv 98
7) Chloroethane	3.60	64	200405	11.380	ppbv 96
8) Dichlorotetrafluoroethane	3.22	85	1372419	10.879	ppbv 99
9) Propene	3.03	41	398956	11.028	ppbv 100
10) Heptane	8.24	43	1057694	10.325	ppbv 99
11) Trichlorofluoromethane	4.00	101	1617414	10.830	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1076661	10.324	ppbv 99
13) Ethanol	3.65	45	91700	7.843	ppbv 98
14) Bromoethene	3.78	108	446792	11.653	ppbv 98
15) Acetone	3.89	43	998176	9.689	ppbv 100
16) 1,3-Butadiene	3.36	39	477281	11.634	ppbv 100
17) tert-Butyl alcohol	4.35	59	956254	11.479	ppbv 99
18) 1,1-Dichloroethene	4.35	96	477831	10.855	ppbv 99
19) Isopropyl Alcohol	4.02	45	732645	11.030	ppbv 99
20) Methylene Chloride	4.40	84	404009	10.186	ppbv 98
21) Allyl Chloride	4.47	41	695629	10.826	ppbv 99
22) trans-1,2-Dichloroethene	4.96	96	493123	10.929	ppbv 96
23) Vinyl Acetate	5.15	43	1524982	11.227	ppbv 100
24) 1,1-Dichloroethane	5.09	63	1088231	10.539	ppbv 100
25) Ethyl Acetate	5.76	43	1846190	10.202	ppbv 100
26) Hexane	5.77	57	814431	10.468	ppbv 99
27) Carbon Disulfide	4.62	76	1187473	11.125	ppbv 100
28) Methyl tert-Butyl Ether	5.11	73	1420374	11.199	ppbv 100
29) Chloroform	5.85	83	1489893	10.396	ppbv 100
30) Cyclohexane	7.24	84	723269	11.058	ppbv 99
31) cis-1,2-Dichloroethene	5.64	61	842399	10.920	ppbv 99
32) 1,1,1-Trichloroethane	6.62	97	1457390	10.185	ppbv 99
34) 2-Butanone	5.32	43	1211441	10.768	ppbv 99
35) Carbon Tetrachloride	7.13	117	1644543	11.312	ppbv 97
36) Benzene	7.00	78	1795225	10.874	ppbv 99
37) 1,2-Dichloroethane	6.41	62	1139983	10.704	ppbv 99
38) Trichloroethene	7.96	130	694983	11.344	ppbv 99
39) 1,2-Dichloropropane	7.73	63	634582	10.309	ppbv 97
40) 1,4-Dioxane	7.95	88	271974	10.563	ppbv # 95
41) Tetrahydrofuran	6.15	42	708433	11.239	ppbv 99
42) Bromodichloromethane	7.91	83	1551133	10.639	ppbv 96
43) Methyl Methacrylate	8.13	69	672015	11.060	ppbv 99

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Manual Integrations
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Quant Time: May 30 02:22:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 1
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	2887943	10.350	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	916917	11.904	ppbv	98
46) cis-1,3-Dichloropropene	8.83	75	1023198	11.344	ppbv	99
47) 1,1,2-Trichloroethane	9.61	97	704443	10.074	ppbv	99
48) Dibromochloromethane	10.45	129	1335826	11.025	ppbv	99
49) Bromoform	13.20	173	1244389	12.206	ppbv	99
50) 4-Methyl-2-Pentanone	8.86	43	1812901	10.477	ppbv	100
51) 2-Hexanone	10.26	43	1477137	10.938	ppbv #	99
52) Tetrachloroethene	11.37	164	649373	11.189	ppbv	98
53) Toluene	9.94	91	1964632	11.033	ppbv	100
54) 1,2-Dibromoethane	10.75	107	1140306	10.686	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.27	131	870986	10.193	ppbv	97
57) Chlorobenzene	12.29	112	1515794	9.972	ppbv	98
58) Ethyl Benzene	12.86	91	2888575	11.812	ppbv	99
59) m/p-Xylene	13.15	91	4948622m	23.149	ppbv	
60) o-Xylene	13.84	91	2380931	11.048	ppbv	99
61) Styrene	13.68	104	1839119	12.676	ppbv	99
62) Isopropylbenzene	14.82	105	3228811	11.126	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	1648029	10.516	ppbv	99
64) n-propylbenzene	15.72	120	866181	11.539	ppbv	96
65) tert-Butylbenzene	16.90	119	3071450	11.592	ppbv	99
66) Benzyl Chloride	17.15	91	1515639	12.010	ppbv	99
67) sec-Butylbenzene	17.45	105	4123983	11.120	ppbv	100
69) p-Isopropyltoluene	17.81	119	3489379	11.384	ppbv	100
70) n-Butylbenzene	18.71	91	3598991	10.949	ppbv	99
71) 2-Chlorotoluene	15.61	91	2519000	11.699	ppbv	99
72) 4-Ethyltoluene	15.99	105	2953779	11.988	ppbv	100
73) 1,3,5-Trimethylbenzene	16.15	105	2835238	11.794	ppbv	98
74) 1,2,4-Trimethylbenzene	16.92	105	2982040	11.398	ppbv	98
75) 1,3-Dichlorobenzene	17.16	146	1681177	10.486	ppbv	100
76) 1,4-Dichlorobenzene	17.30	146	1637898	10.749	ppbv	100
77) 1,2-Dichlorobenzene	17.98	146	1592143	10.569	ppbv	100
78) Hexachloro-1,3-Butadiene	23.53	225	945705	8.303	ppbv	100
79) Naphthalene	22.40	128	2096007	8.625	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	618792	6.701	ppbv	96
81) 1,2,4-Trichlorobenzene	22.13	180	1229199	8.638	ppbv	100

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

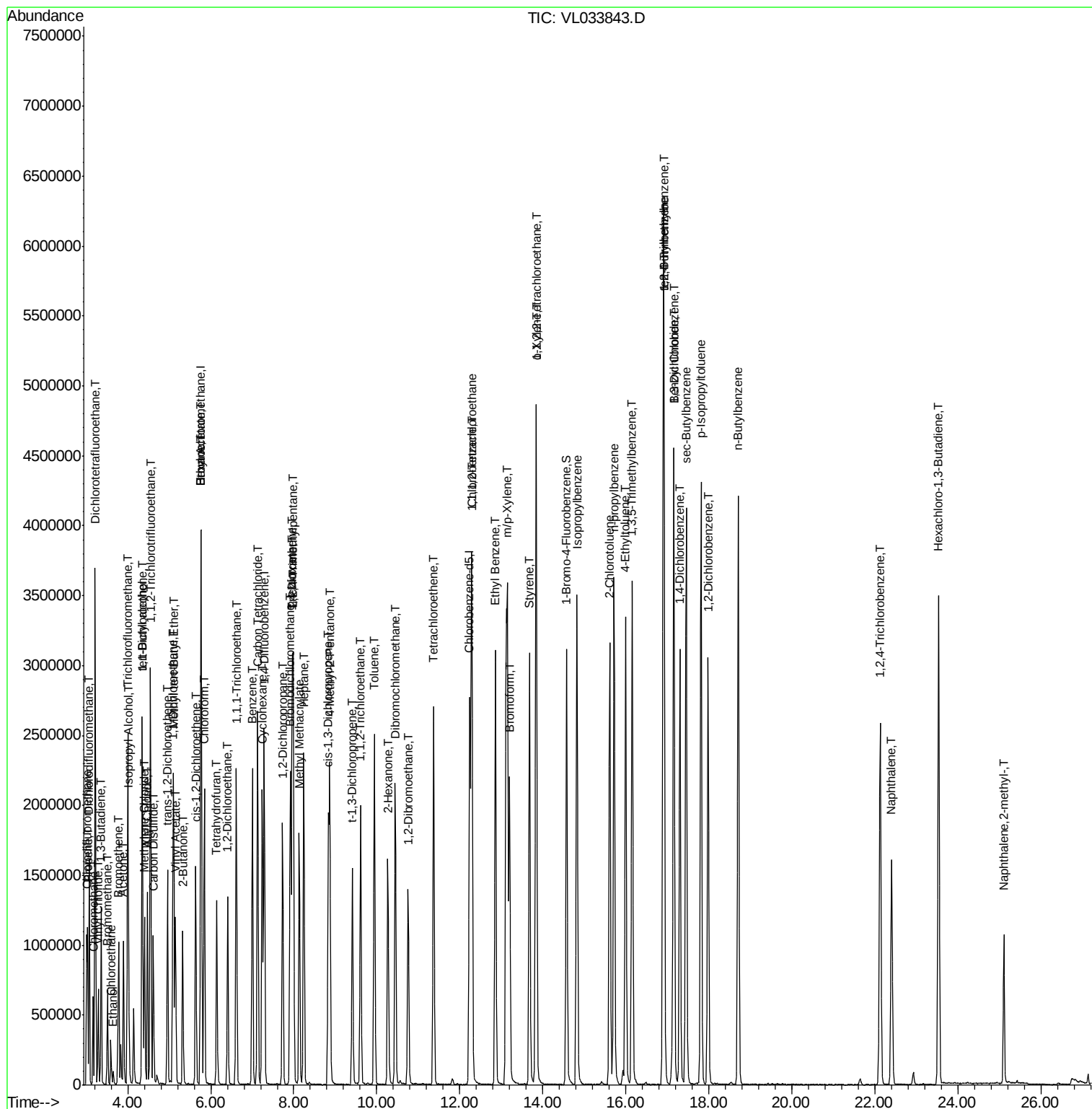
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052919\
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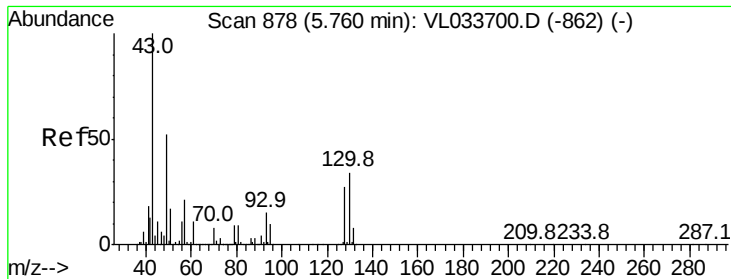
Instrument :
MSVOA_L
ClientSampled :
VL0529ABS01

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Instrument :

MSVOA_L

ClientSampleId :

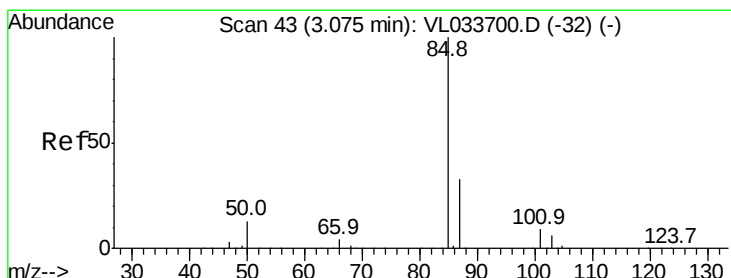
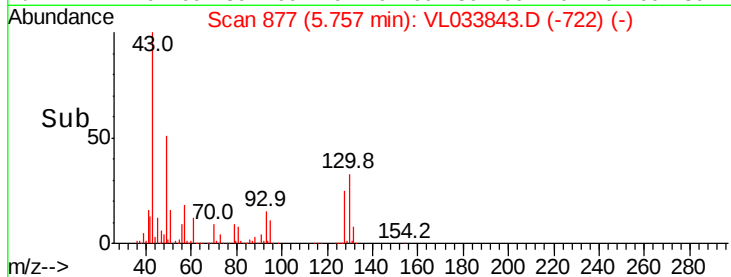
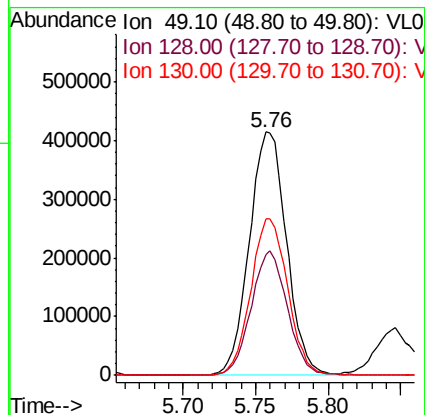
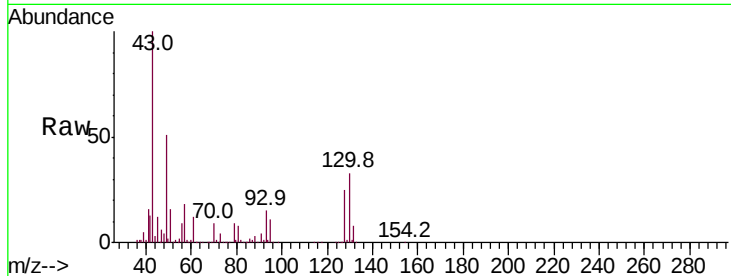
VL0529ABS01

Tot Ion: 49 Resp: 742504

Ion	Ratio	Lower	Upper
49	100		
128	49.7	25.2	75.6
130	64.0	32.5	97.5

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#2

Dichlorodifluoromethane

Concen: 7.163 ppbv

RT: 3.07 min Scan# 42

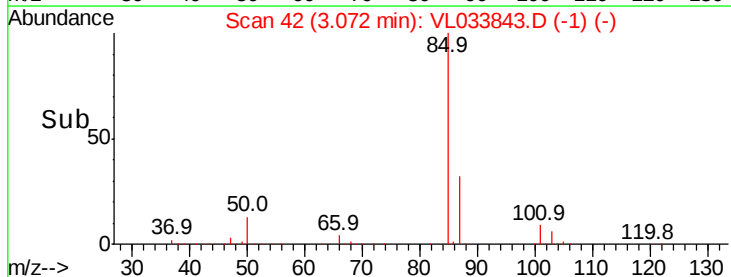
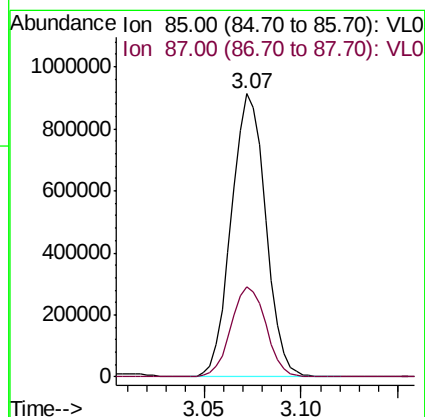
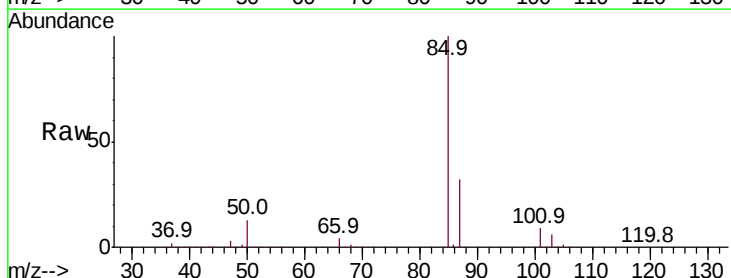
Delta R.T. -0.00 min

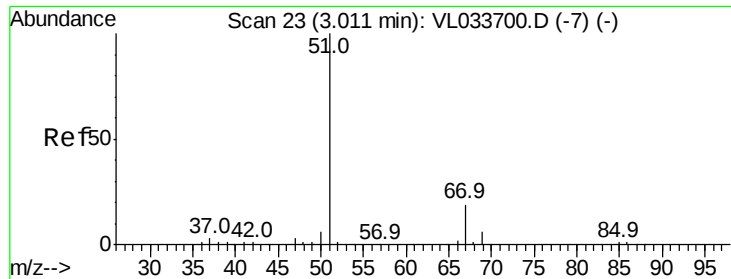
Lab File: VL033843.D

Acq: 29 May 2019 19:29

Tgt Ion: 85 Resp: 1120922

Ion	Ratio	Lower	Upper
85	100		
87	31.7	26.3	39.5





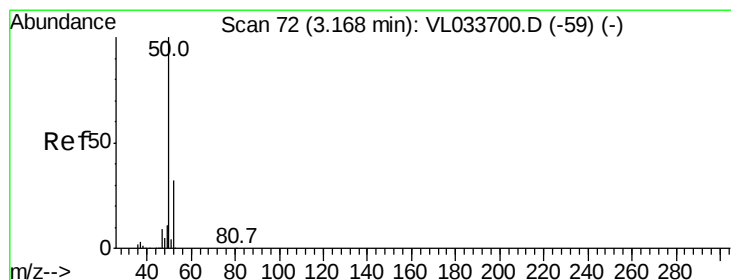
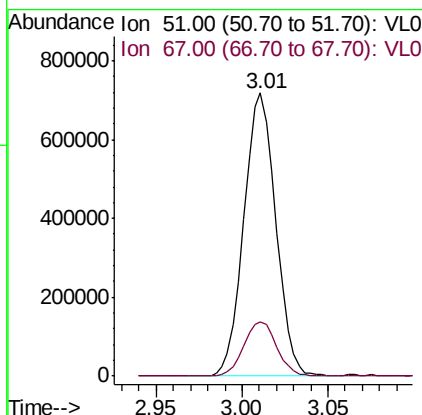
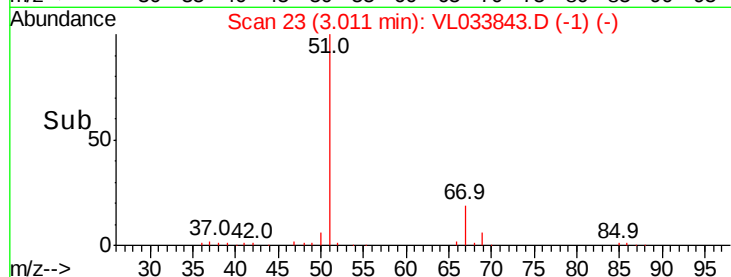
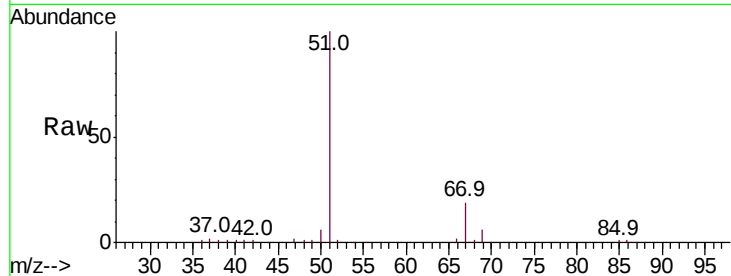
#3
Chlorodifluoromethane
Concen: 10.858 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tot Ion	51	Resp	923464
Ion Ratio	100	Lower	Upper
51	100		
67	19.8	15.6	23.4

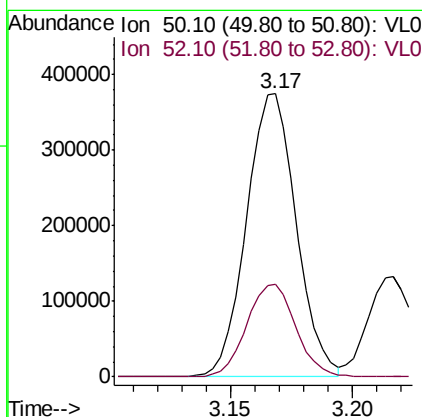
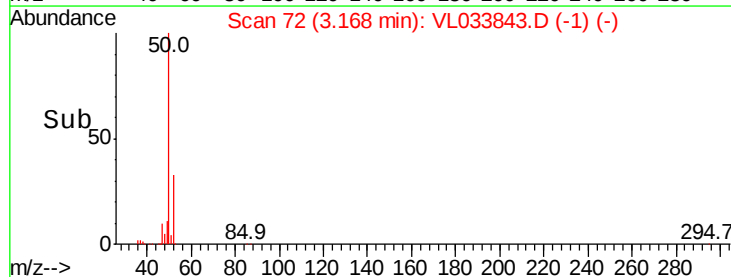
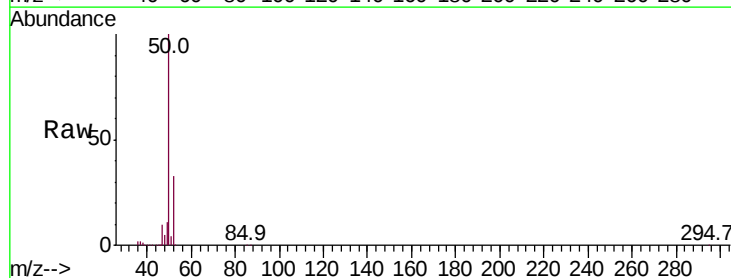
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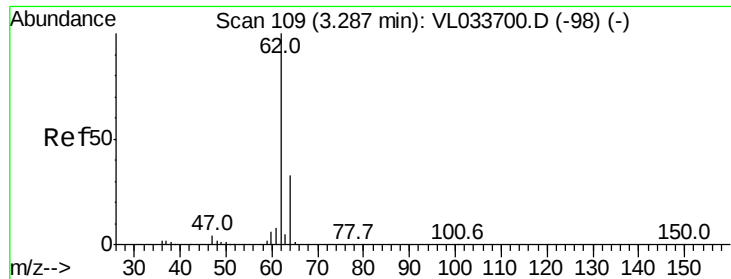
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#4
Chloromethane
Concen: 10.840 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion	50	Resp	527331
Ion Ratio	100	Lower	Upper
50	100		
52	32.5	25.7	38.5





#5

Vinyl Chloride

Concen: 10.894 ppbv

RT: 3.29 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tot Ion: 62 Resp: 539829

Ion Ratio Lower Upper

62 100

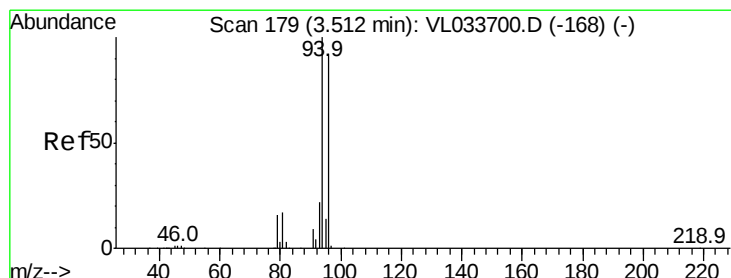
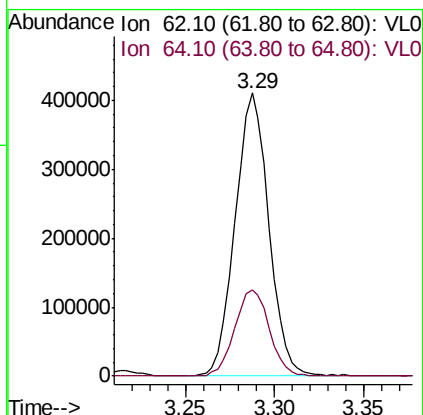
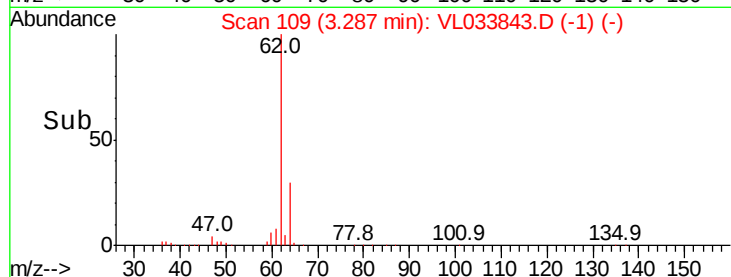
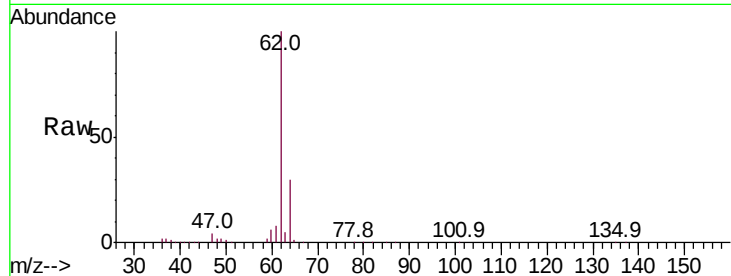
64 30.5 26.4 39.6

Manual Integrations

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#6

Bromomethane

Concen: 11.043 ppbv

RT: 3.51 min Scan# 178

Delta R.T. -0.00 min

Lab File: VL033843.D

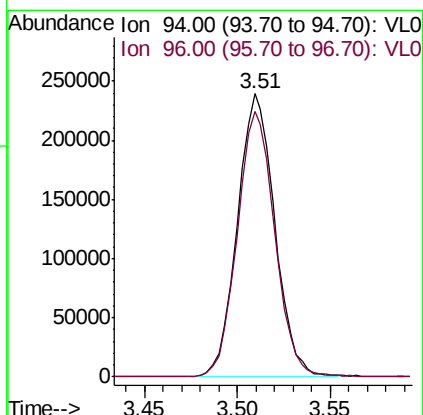
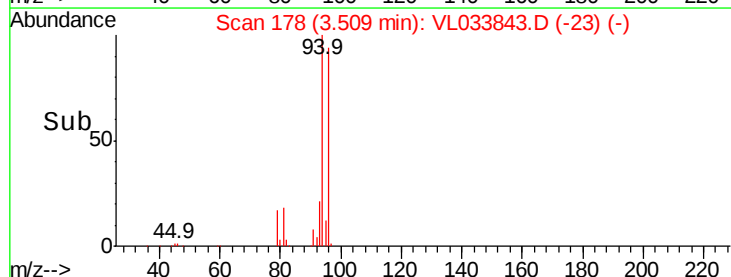
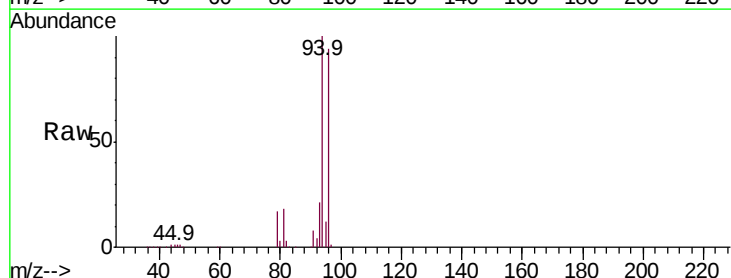
Acq: 29 May 2019 19:29

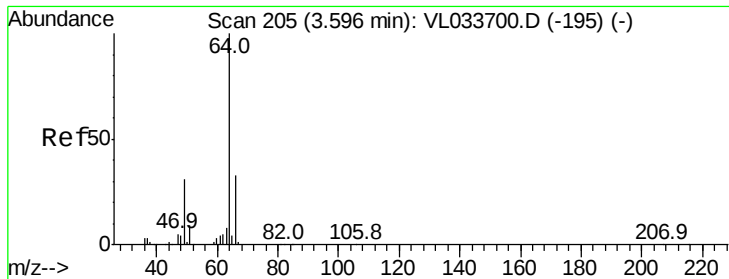
Tgt Ion: 94 Resp: 333890

Ion Ratio Lower Upper

94 100

96 93.5 73.6 110.4





#7

Chloroethane

Concen: 11.380 ppbv

RT: 3.60 min Scan# 205

Delta R.T. 0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tot Ion: 64 Resp: 200405

Ion Ratio Lower Upper

64 100

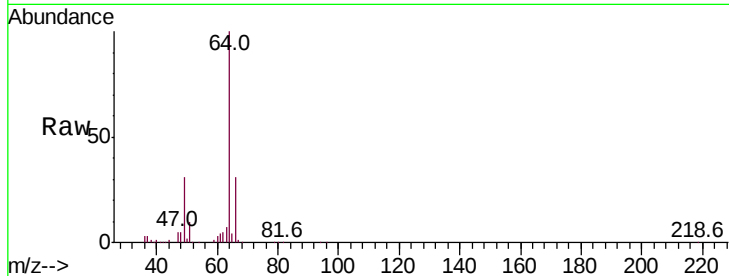
66 30.9 26.6 40.0

Manual Integrations

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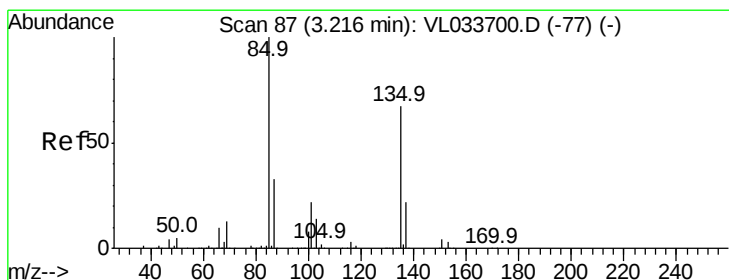
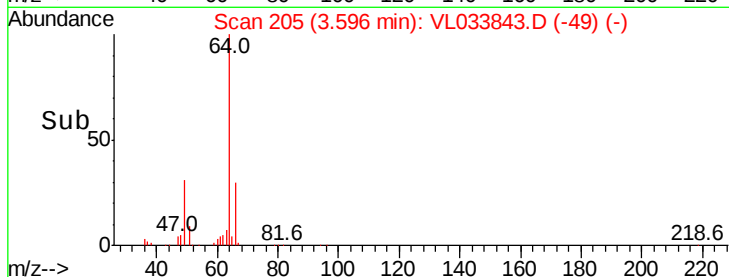
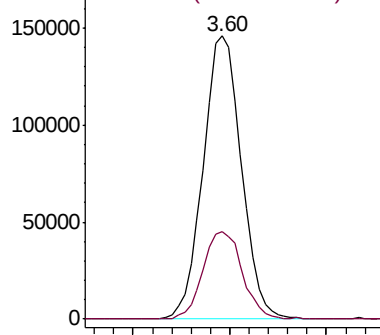
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 10.879 ppbv

RT: 3.22 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL033843.D

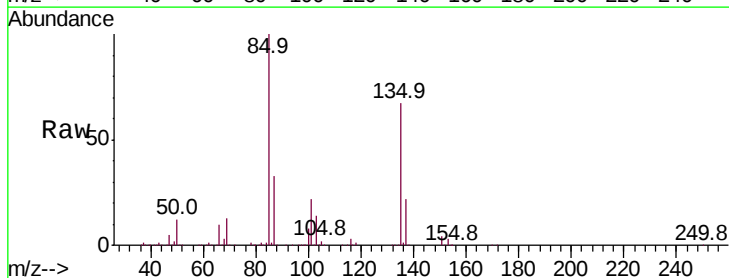
Acq: 29 May 2019 19:29

Tgt Ion: 85 Resp: 1372419

Ion Ratio Lower Upper

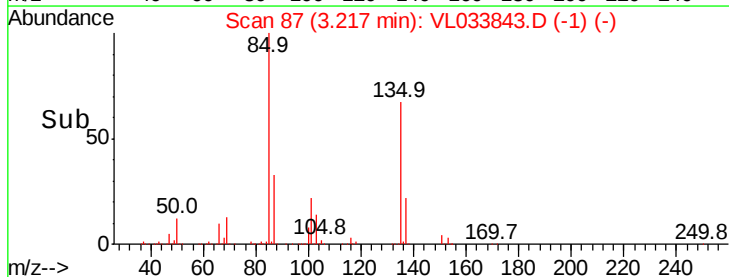
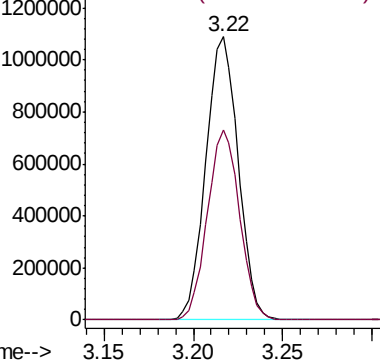
85 100

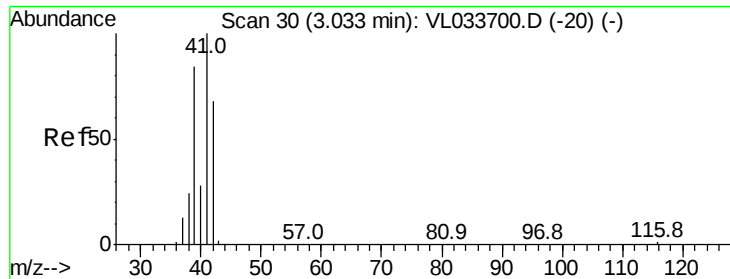
135 67.0 54.5 81.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 11.028 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tot Ion: 41 Resp: 398956

Ion Ratio Lower Upper

41 100

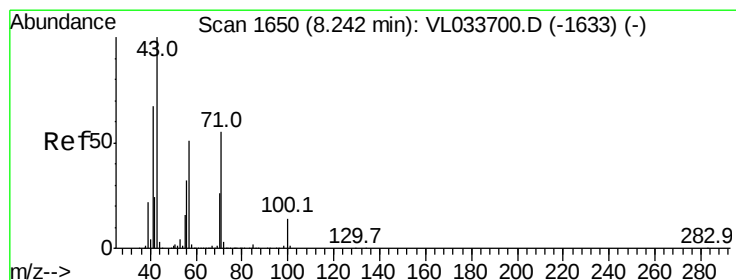
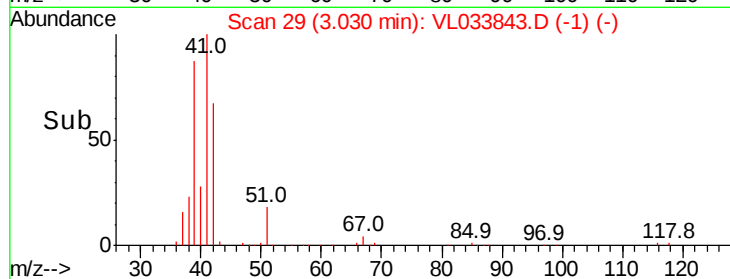
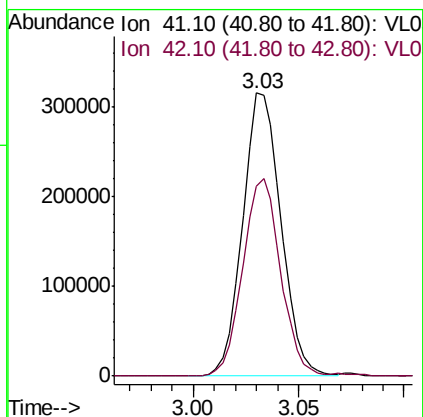
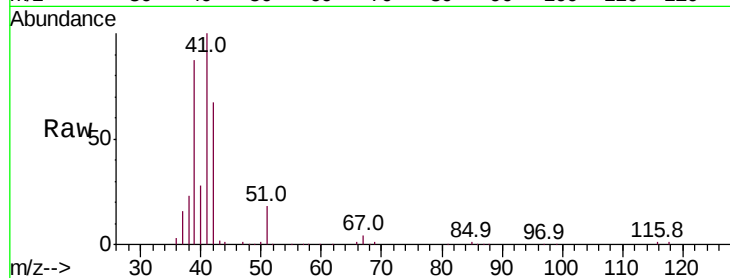
42 69.7 56.1 84.1

Manual Integrations

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#10

Heptane

Concen: 10.325 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VL033843.D

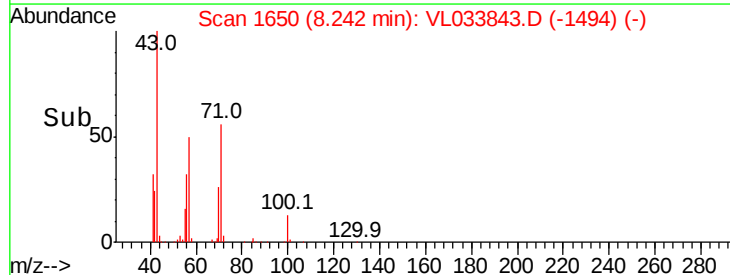
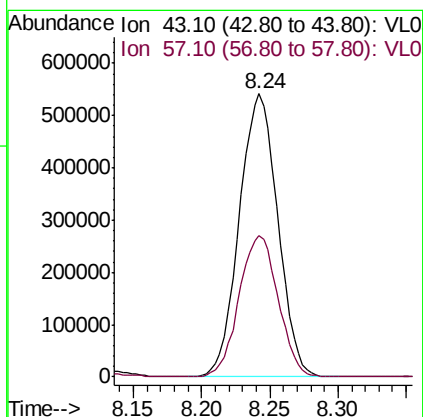
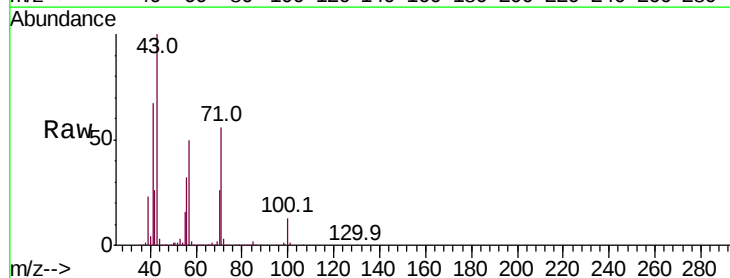
Acq: 29 May 2019 19:29

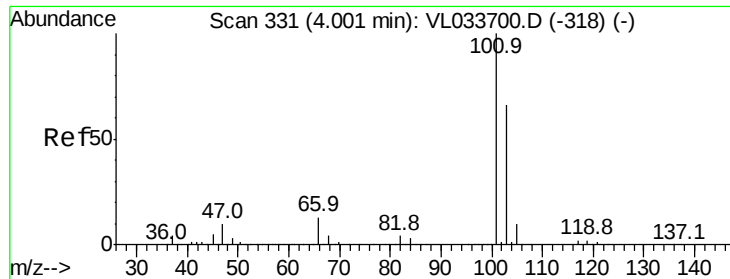
Tgt Ion: 43 Resp: 1057694

Ion Ratio Lower Upper

43 100

57 51.1 41.4 62.0





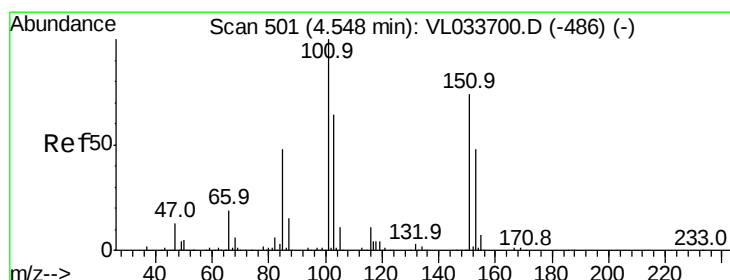
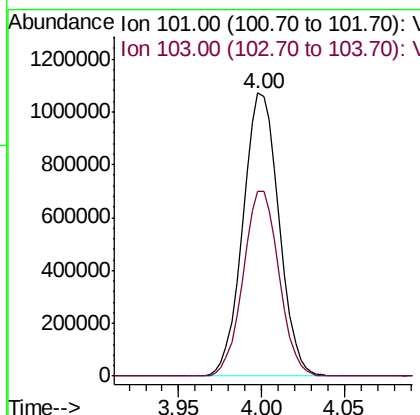
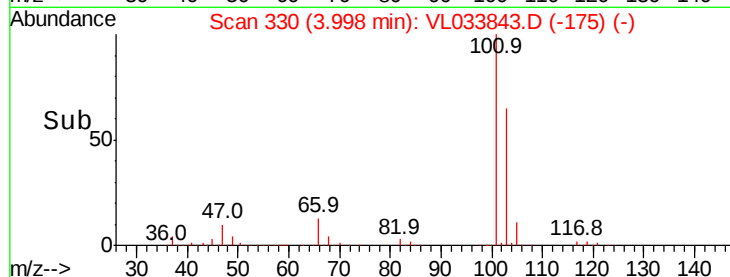
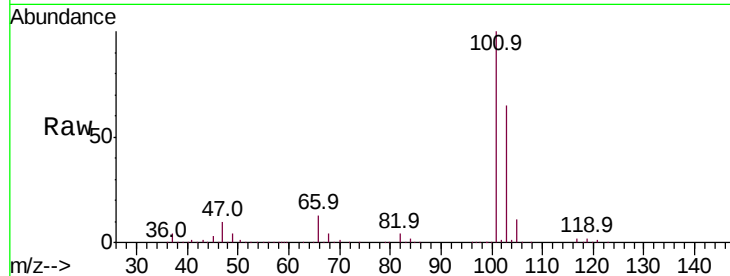
#11
 Trichlorofluoromethane
 Concen: 10.830 ppbv
 RT: 4.00 min Scan# 330
 Delta R.T. -0.00 min
 Lab File: VL033843.D
 Acq: 29 May 2019 19:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0529ABS01

Tot Ion:101 Resp: 1617414
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.6 78.8

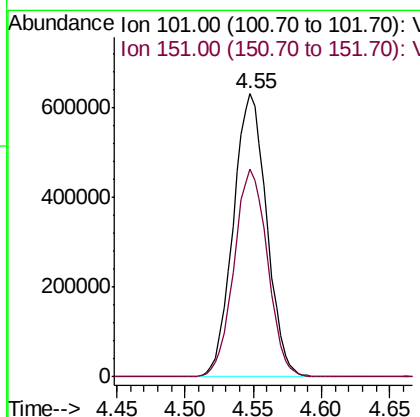
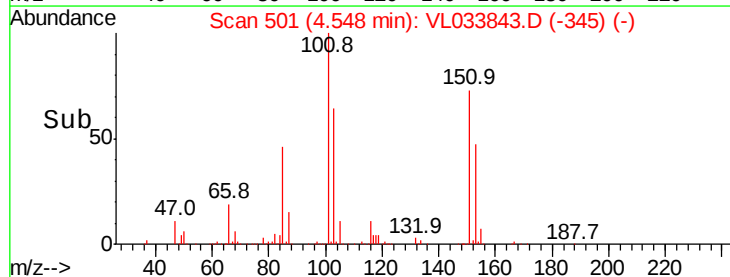
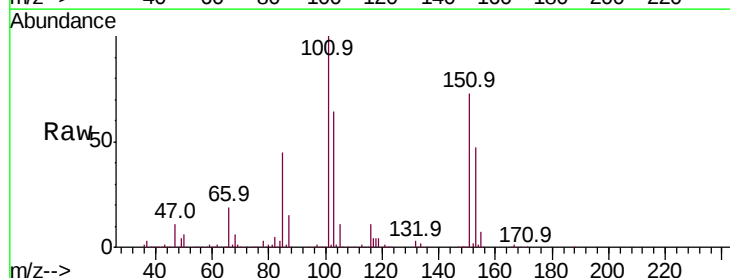
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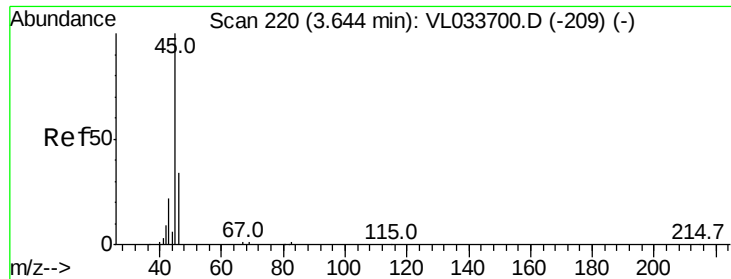
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.324 ppbv
 RT: 4.55 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VL033843.D
 Acq: 29 May 2019 19:29

Tgt Ion:101 Resp: 1076661
 Ion Ratio Lower Upper
 101 100
 151 73.3 58.2 87.4





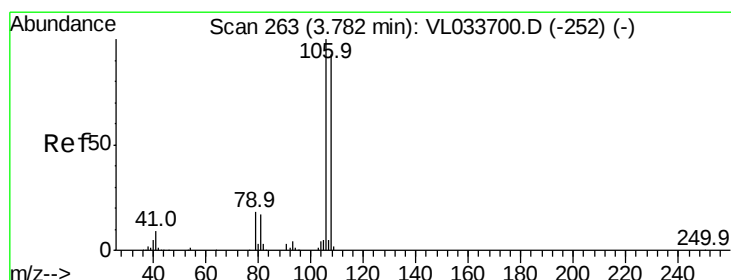
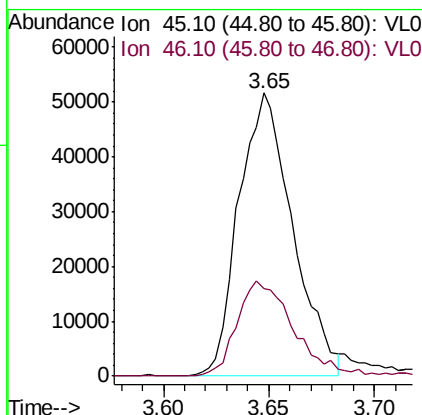
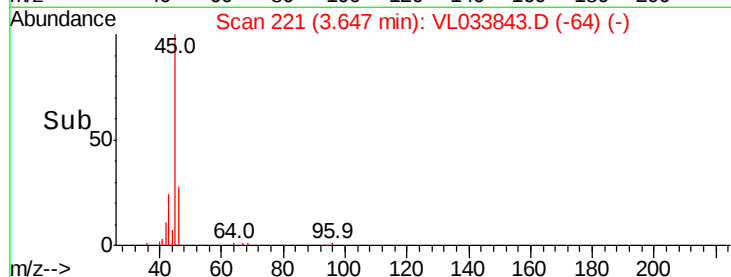
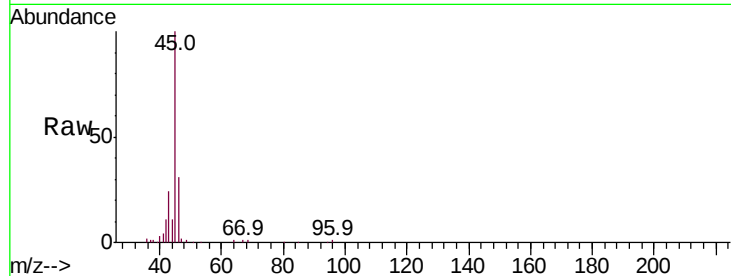
#13
Ethanol
Concen: 7.843 ppbv
RT: 3.65 min Scan# 221
Delta R.T. 0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tot Ion: 45 Resp: 91700
Ion Ratio Lower Upper
45 100
46 35.7 14.8 59.0

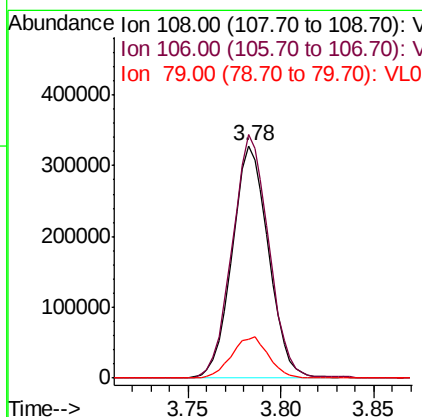
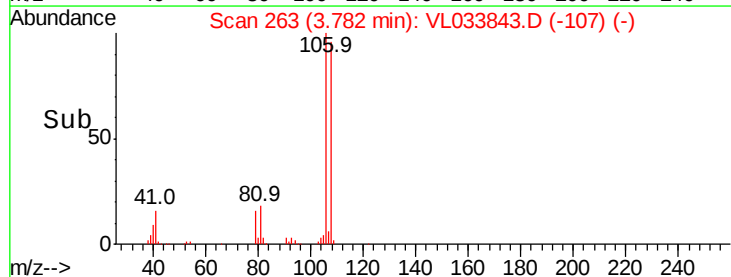
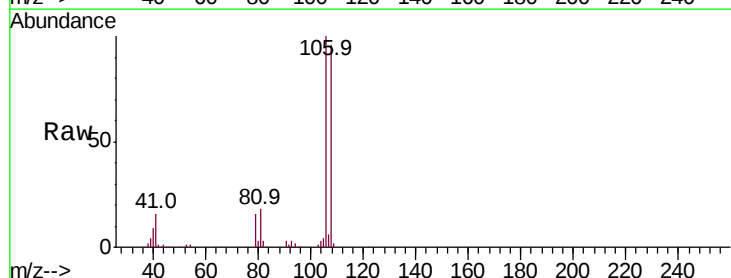
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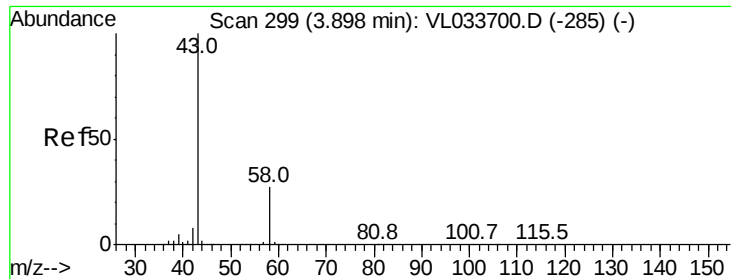
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#14
Bromoethene
Concen: 11.653 ppbv
RT: 3.78 min Scan# 263
Delta R.T. 0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 108 Resp: 446792
Ion Ratio Lower Upper
108 100
106 106.1 86.5 129.7
79 18.4 15.1 22.7





#15

Acetone

Concen: 9.689 ppbv

RT: 3.89 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tot Ion: 43 Resp: 998176

Ion Ratio Lower Upper

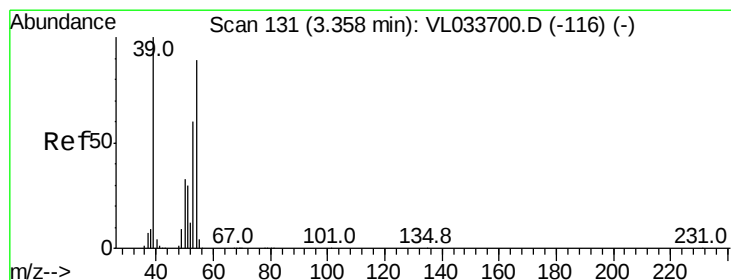
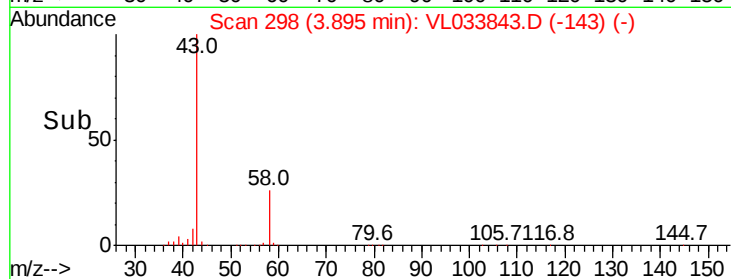
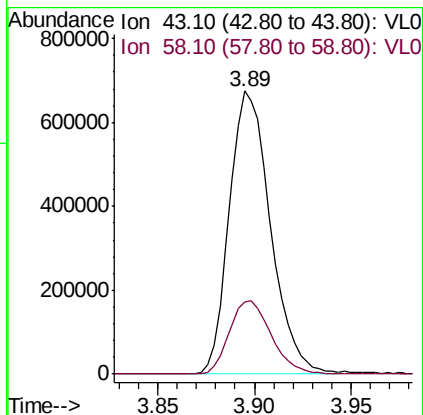
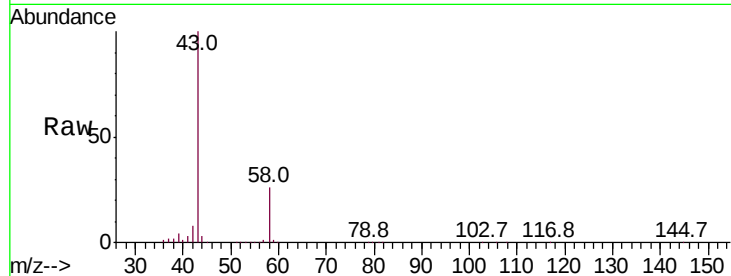
43 100

58 26.7 21.3 31.9

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#16

1,3-Butadiene

Concen: 11.634 ppbv

RT: 3.36 min Scan# 131

Delta R.T. 0.00 min

Lab File: VL033843.D

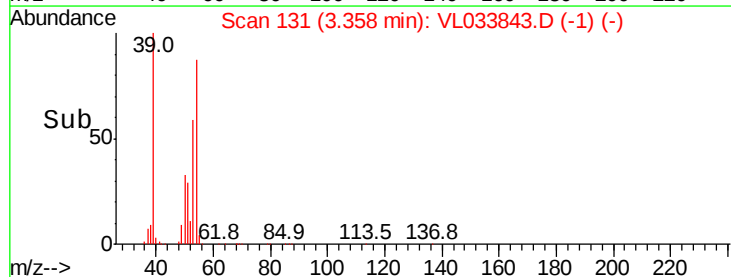
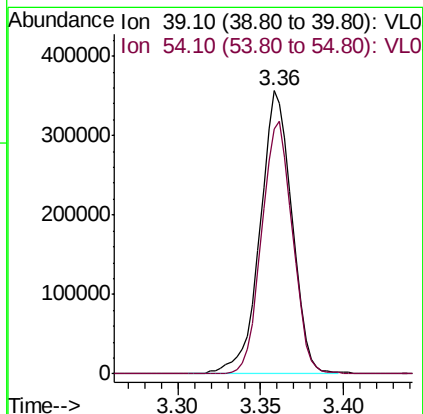
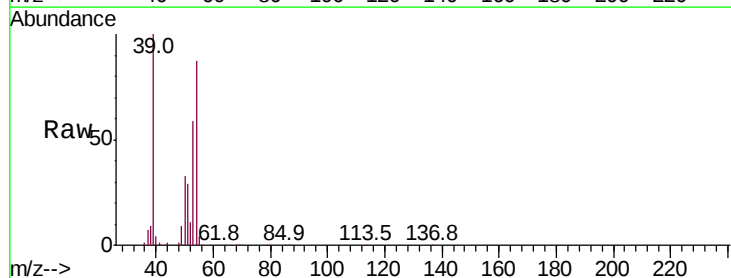
Acq: 29 May 2019 19:29

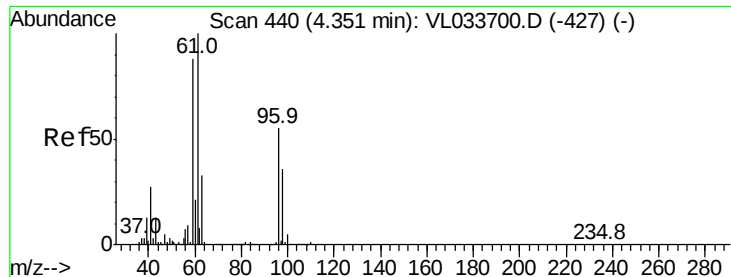
Tgt Ion: 39 Resp: 477281

Ion Ratio Lower Upper

39 100

54 86.4 69.0 103.6





#17

tert-Butyl alcohol

Concen: 11.479 ppbv

RT: 4.35 min Scan# 440

Delta R.T. 0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Instrument :

MSVOA_L

ClientSampleID :

VL0529ABS01

Tot Ion: 59 Resp: 956254

Ion Ratio Lower Upper

59 100

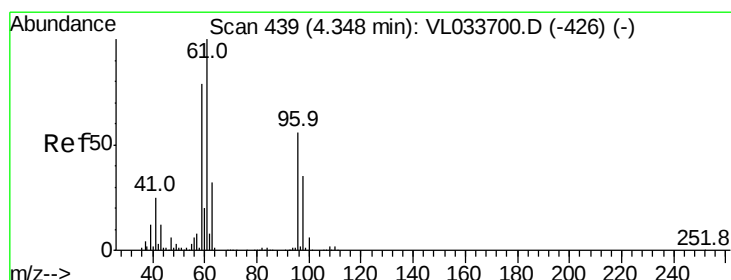
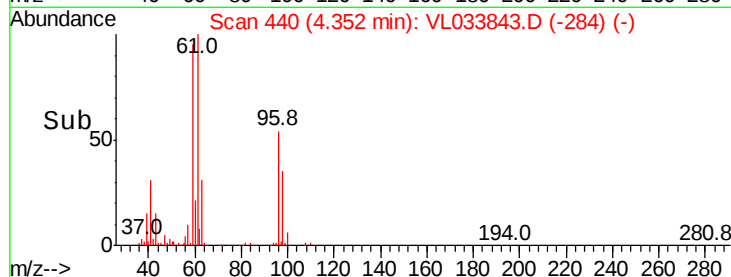
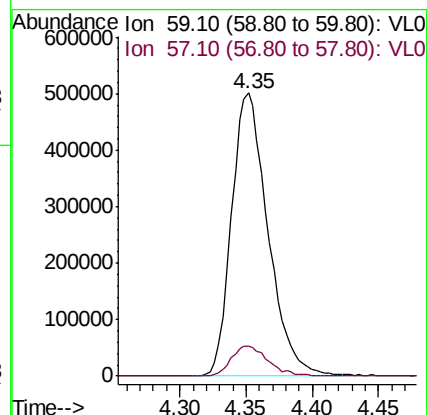
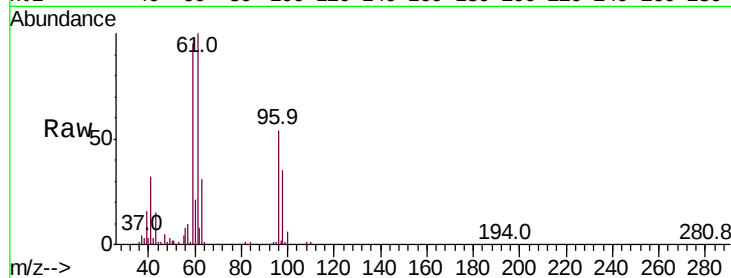
57 10.8 8.4 12.6

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#18

1,1-Dichloroethene

Concen: 10.855 ppbv

RT: 4.35 min Scan# 438

Delta R.T. -0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

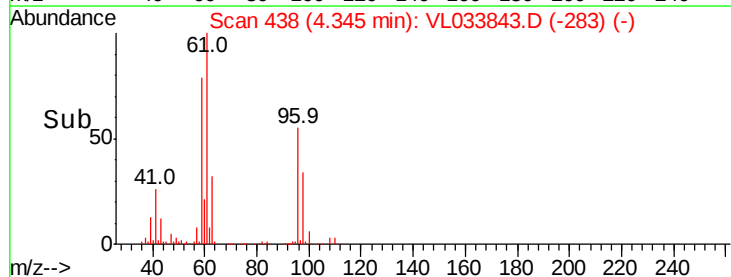
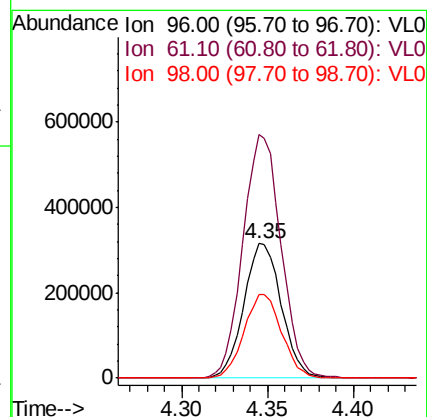
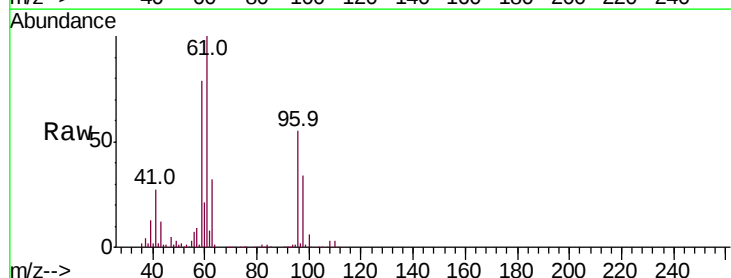
Tgt Ion: 96 Resp: 477831

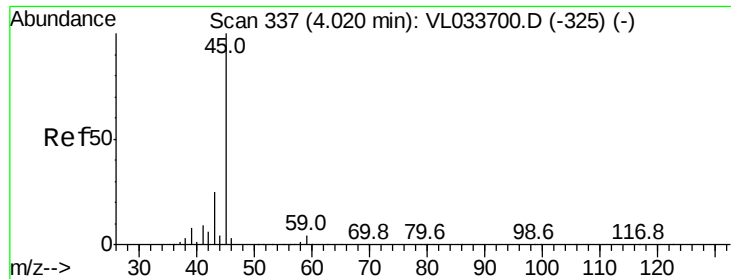
Ion Ratio Lower Upper

96 100

61 180.8 143.1 214.7

98 61.8 49.5 74.3





#19

Isopropyl Alcohol

Concen: 11.030 ppbv

RT: 4.02 min Scan# 337

Delta R.T. 0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tot Ion: 45 Resp: 732645

Ion Ratio Lower Upper

45 100

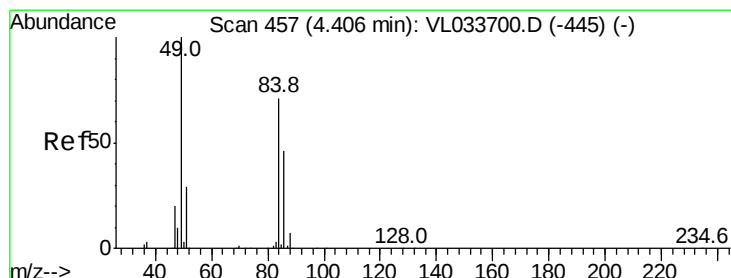
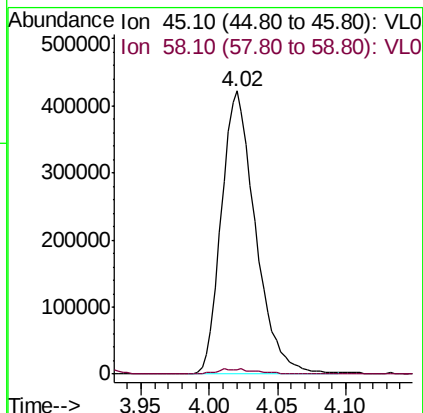
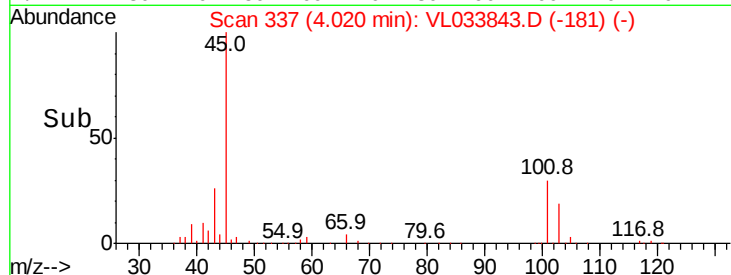
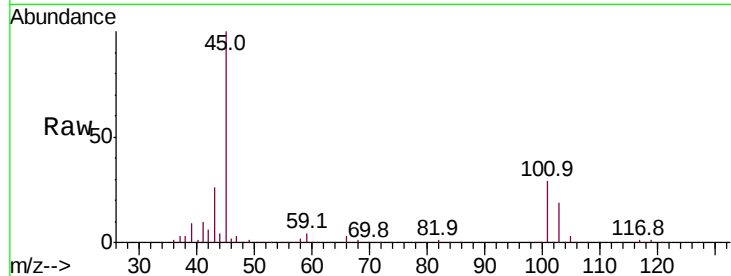
58 2.3 1.6 2.4

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#20

Methylene Chloride

Concen: 10.186 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Tgt Ion: 84 Resp: 404009

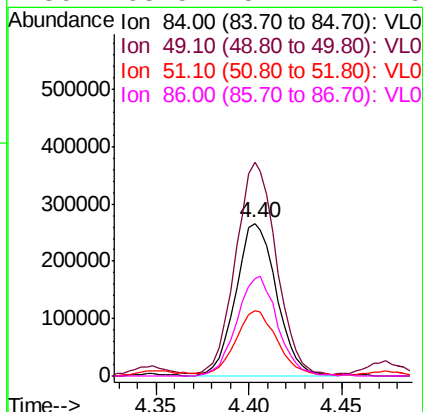
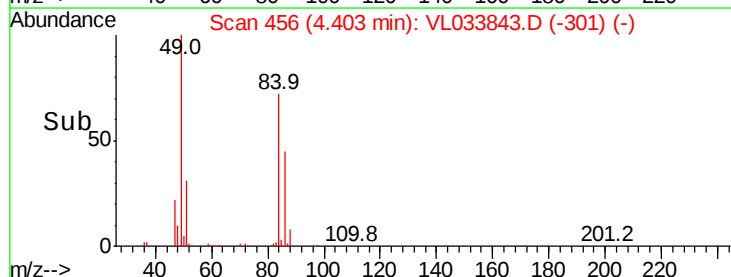
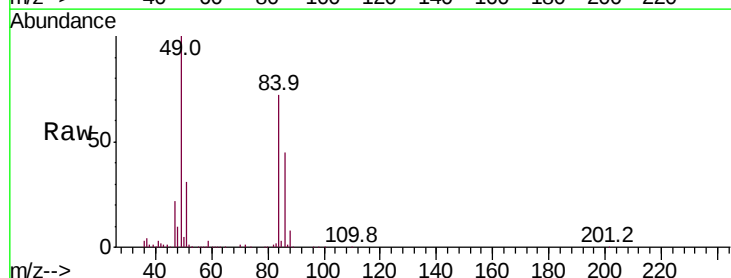
Ion Ratio Lower Upper

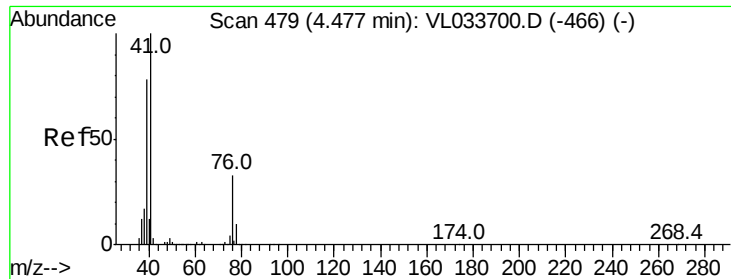
84 100

49 138.9 112.8 169.2

51 42.5 33.4 50.0

86 63.5 51.7 77.5





#21

Allvl Chloride

Concen: 10.826 ppbv

RT: 4.47 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Instrument :

MSVOA_L

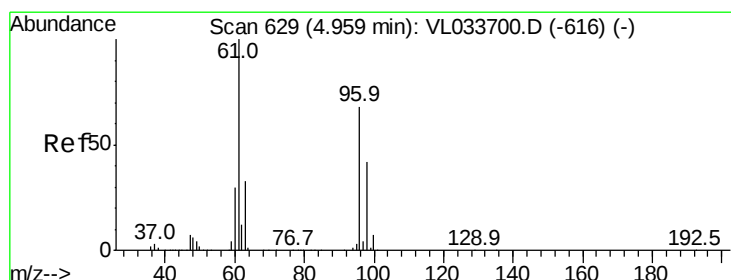
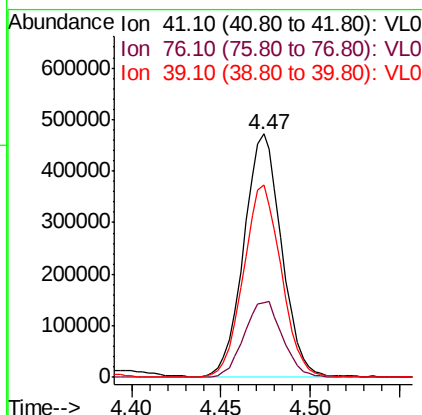
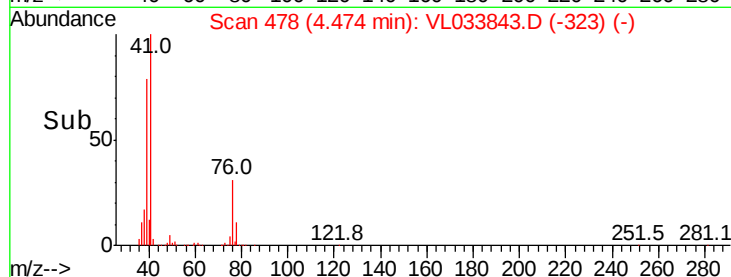
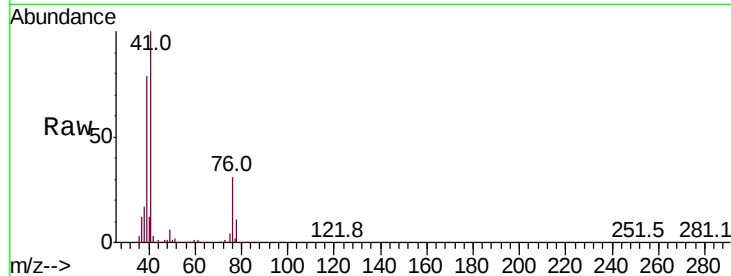
ClientSampleId :

VL0529ABS01

Tot Ion:	41	Resp:	695629
Ion Ratio	Lower	Upper	
41	100		
76	32.0	25.9	38.9
39	79.9	64.6	97.0

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#22

trans-1,2-Dichloroethene

Concen: 10.929 ppbv

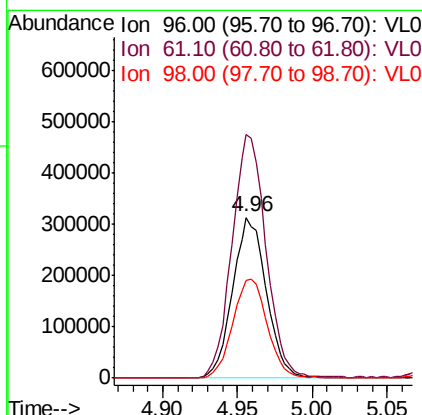
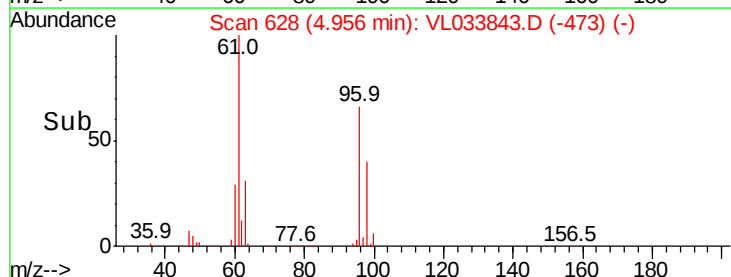
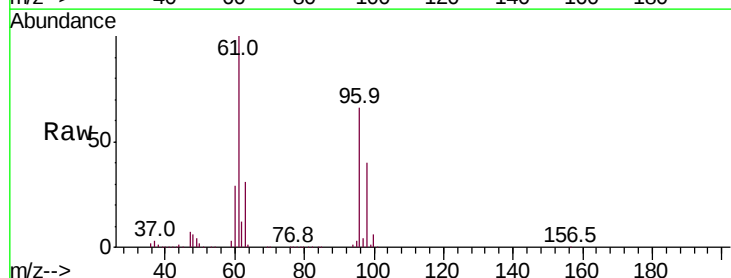
RT: 4.96 min Scan# 628

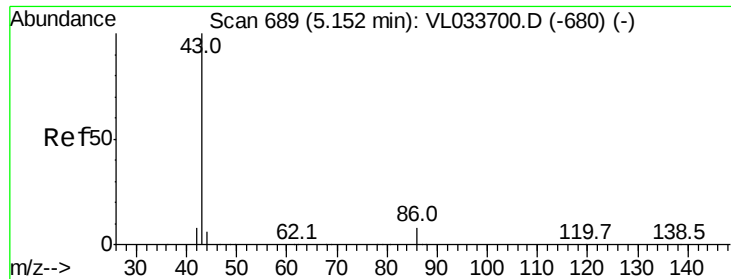
Delta R.T. -0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Tgt Ion:	96	Resp:	493123
Ion Ratio	Lower	Upper	
96	100		
61	151.7	116.8	175.2
98	60.9	49.4	74.0





#23

Vinyl Acetate

Concen: 11.227 ppbv

RT: 5.15 min Scan# 688

Delta R.T. -0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Instrument :

MSVOA_L

ClientSampleID :

VL0529ABS01

Tot Ion: 43 Resp: 1524982

Ion Ratio Lower Upper

43 100

86 7.5 6.0 9.0

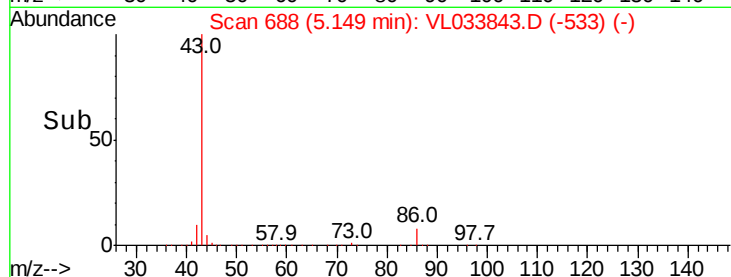
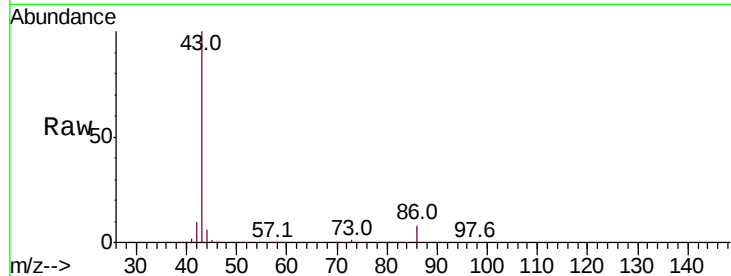
42 9.6 7.5 11.3

44 5.4 4.4 6.6

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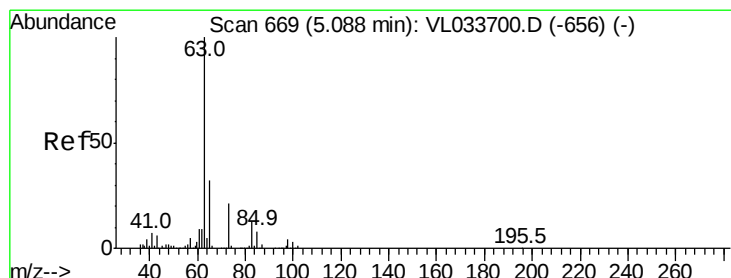
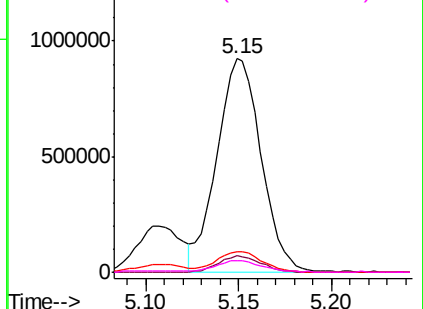


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.539 ppbv

RT: 5.09 min Scan# 669

Delta R.T. 0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

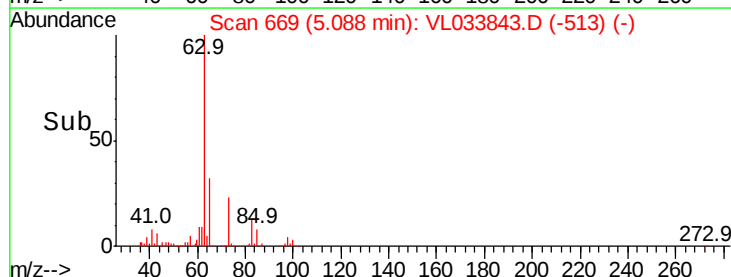
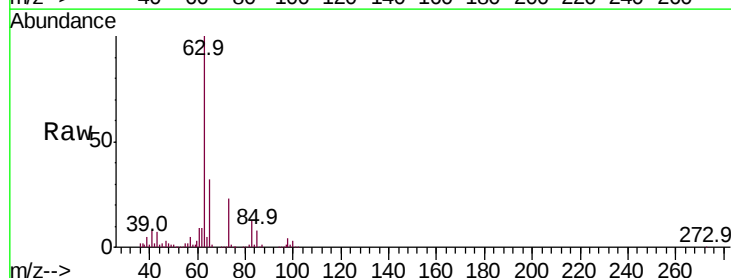
Tgt Ion: 63 Resp: 1088231

Ion Ratio Lower Upper

63 100

98 3.8 1.8 5.5

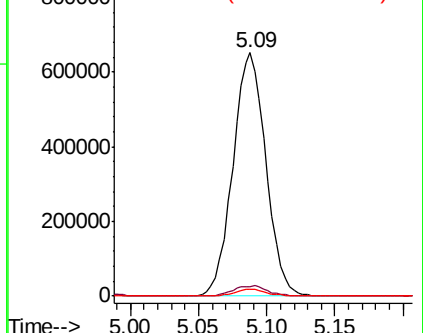
100 2.8 1.4 4.2

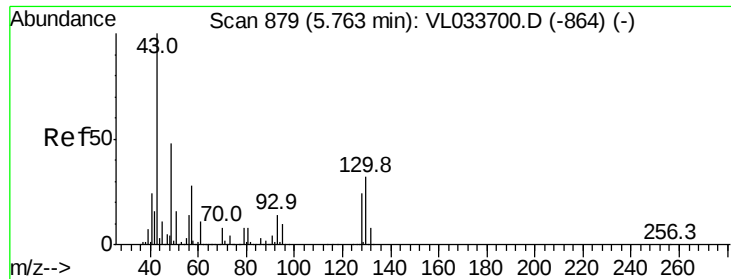


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 10.202 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Instrument :

MSVOA_L

ClientSampled :

VL0529ABS01

Tot Ion: 43 Resp: 1846190

Ion Ratio Lower Upper

43 100

45 10.0 7.9 11.9

61 9.6 7.7 11.5

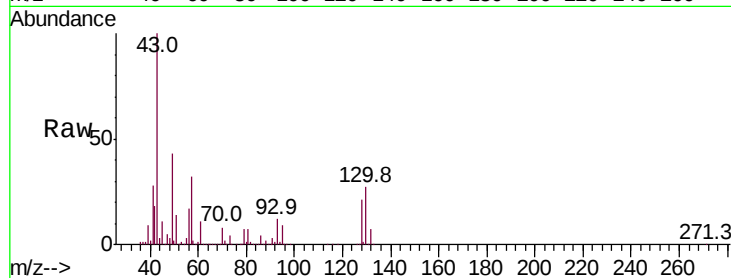
70 7.2 5.8 8.6

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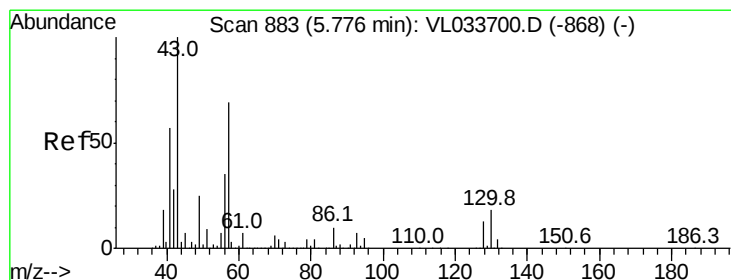
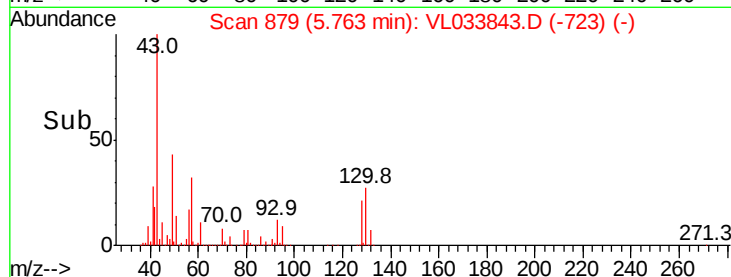
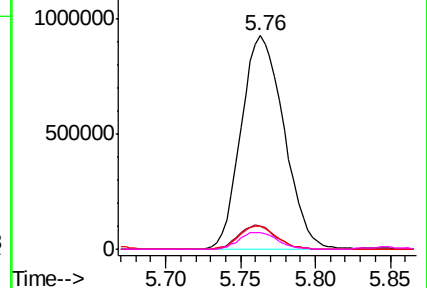


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 10.468 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Tgt Ion: 57 Resp: 814431

Ion Ratio Lower Upper

57 100

41 88.6 69.8 104.6

43 227.9 181.8 272.6

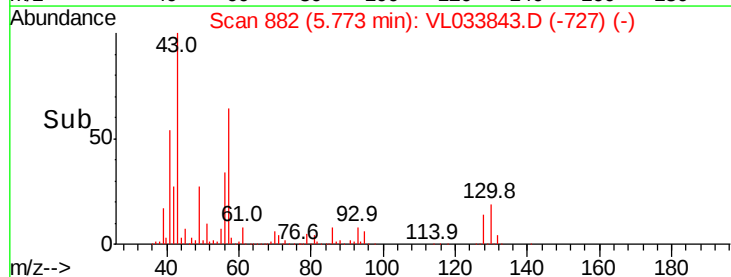
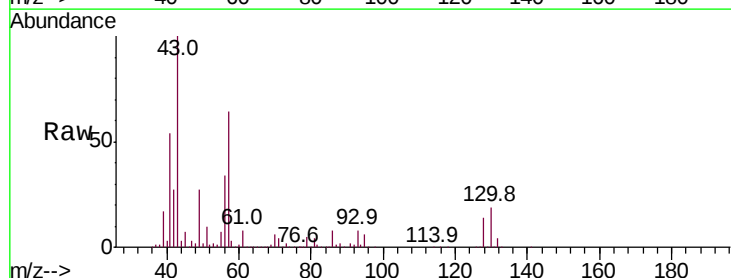
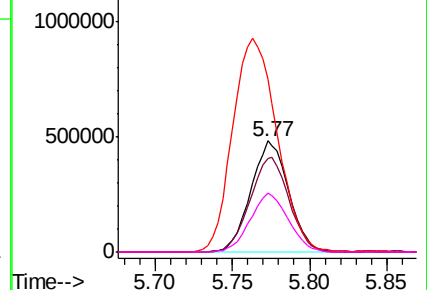
56 53.4 42.1 63.1

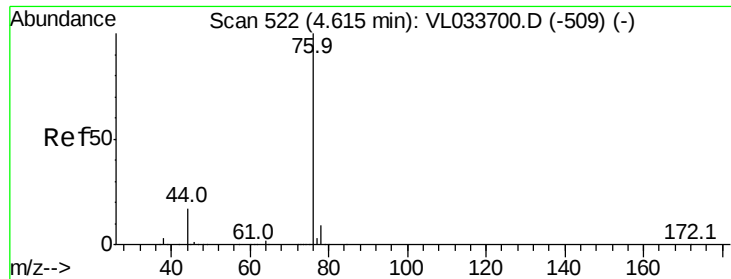
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





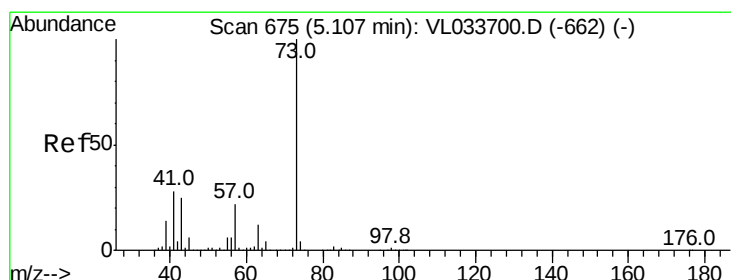
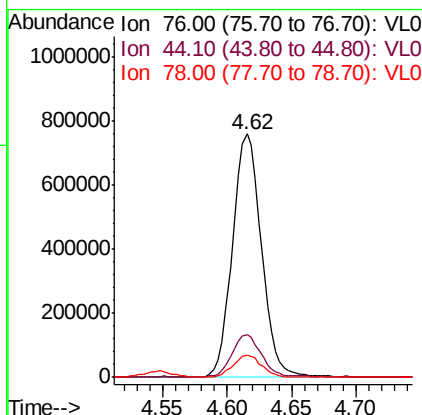
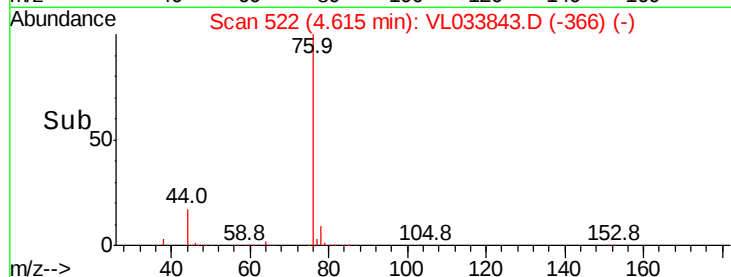
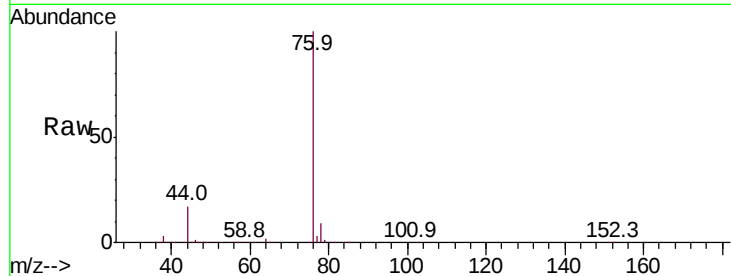
#27
Carbon Disulfide
Concen: 11.125 ppbv
RT: 4.62 min Scan# 522
Delta R.T. 0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tot Ion: 76 Resp: 1187473
Ion Ratio Lower Upper
76 100
44 17.3 13.8 20.8
78 9.0 7.4 11.0

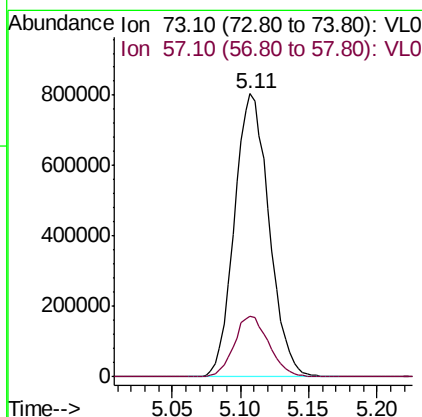
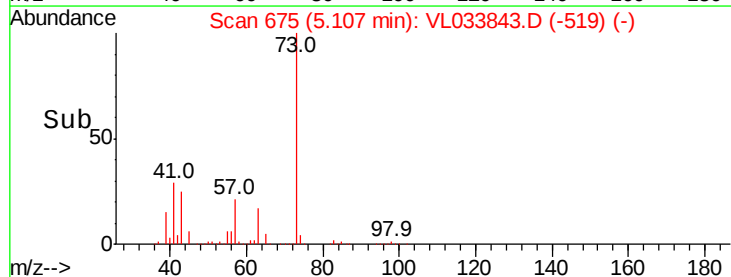
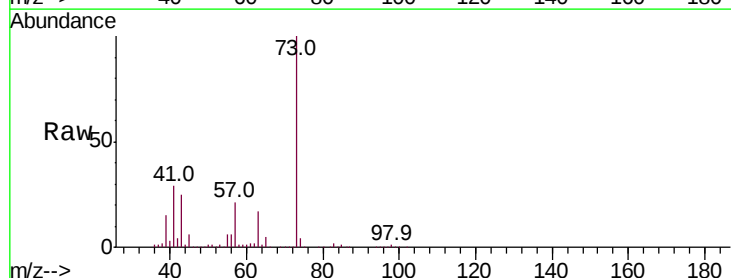
Manual Integrations
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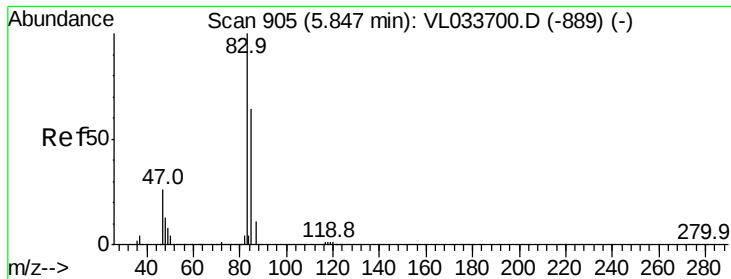
apatel
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#28
Methyl tert-Butyl Ether
Concen: 11.199 ppbv
RT: 5.11 min Scan# 675
Delta R.T. 0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 73 Resp: 1420374
Ion Ratio Lower Upper
73 100
57 21.6 17.4 26.2





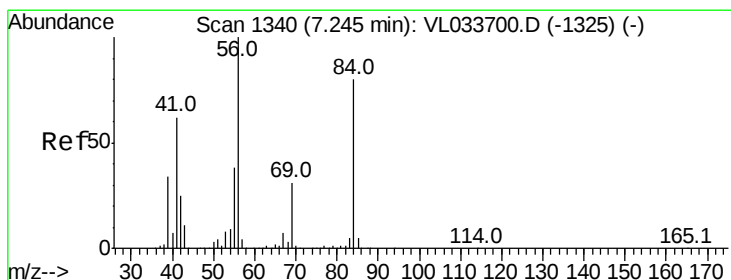
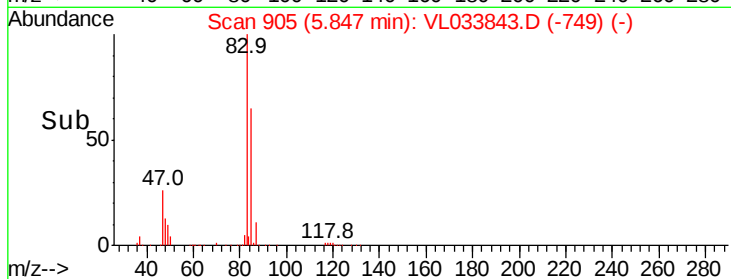
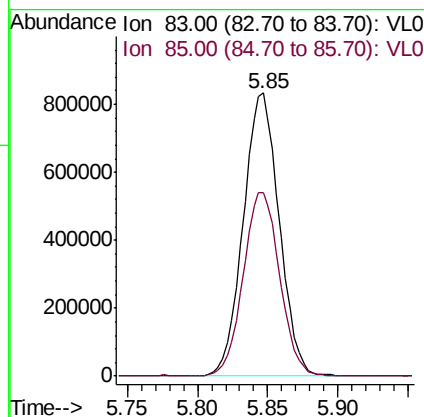
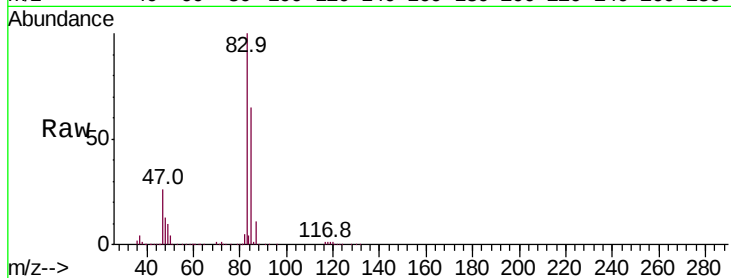
#29
Chloroform
Concen: 10.396 ppbv
RT: 5.85 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tot Ion: 83 Resp: 1489893
Ion Ratio Lower Upper
83 100
85 64.6 51.5 77.3

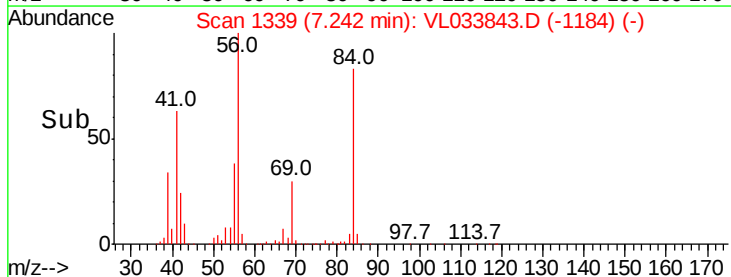
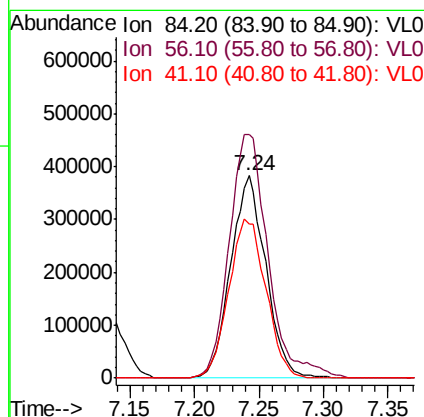
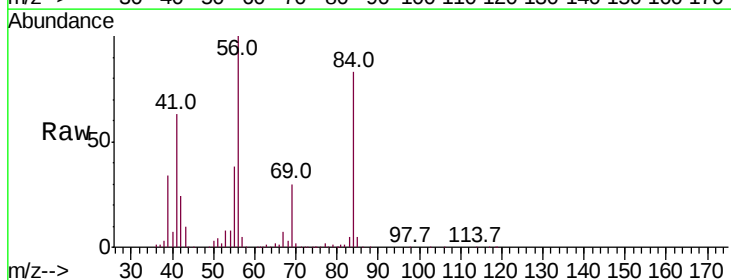
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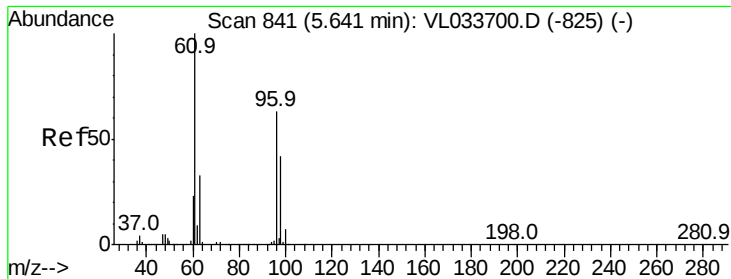
apatel
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#30
Cyclohexane
Concen: 11.058 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 84 Resp: 723269
Ion Ratio Lower Upper
84 100
56 133.9 107.7 161.5
41 83.4 66.0 99.0





#31

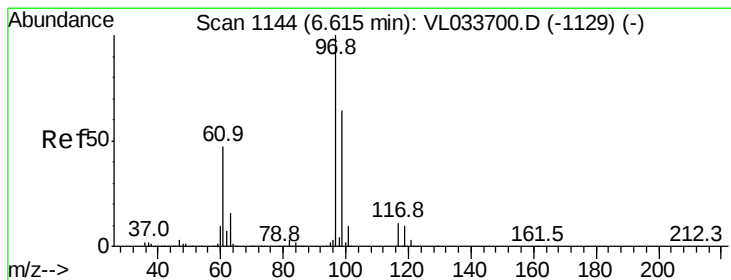
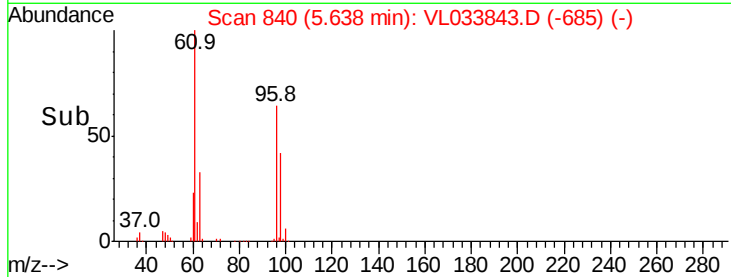
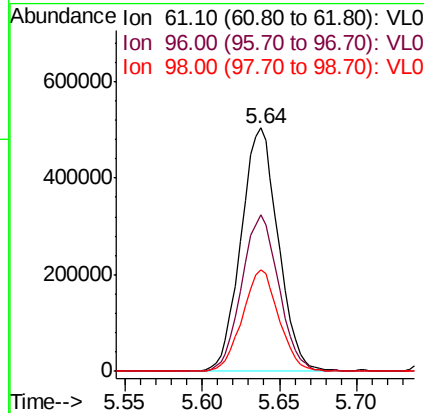
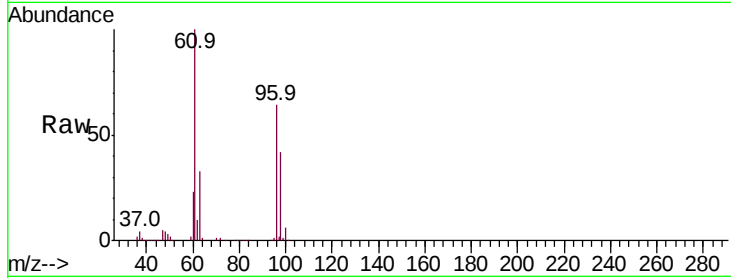
cis-1,2-Dichloroethene
 Concen: 10.920 ppbv
 RT: 5.64 min Scan# 840
 Delta R.T. -0.00 min
 Lab File: VL033843.D
 Acq: 29 May 2019 19:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0529ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.3	50.8	76.2
98	42.0	33.3	49.9

Manual Integrations
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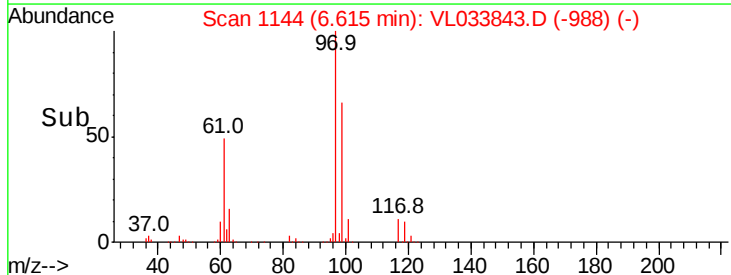
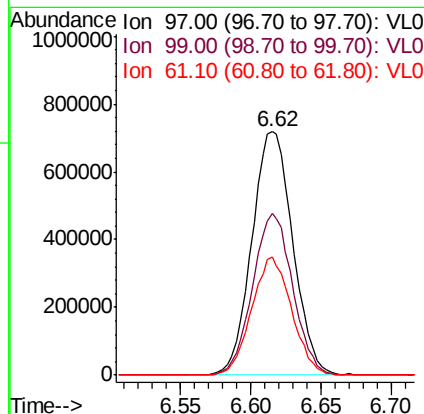
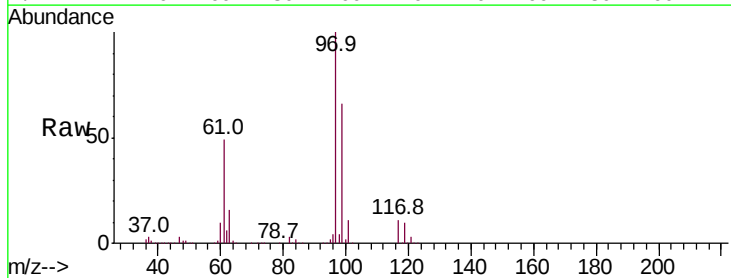
apatel
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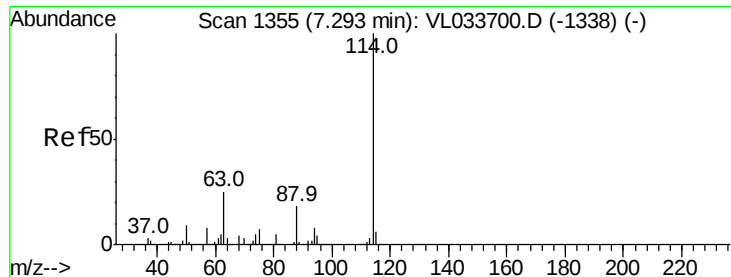


#32

1,1,1-Trichloroethane
 Concen: 10.185 ppbv
 RT: 6.62 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VL033843.D
 Acq: 29 May 2019 19:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.5	77.3
61	47.7	37.8	56.8





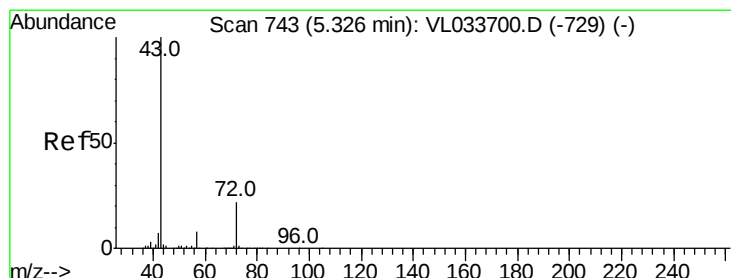
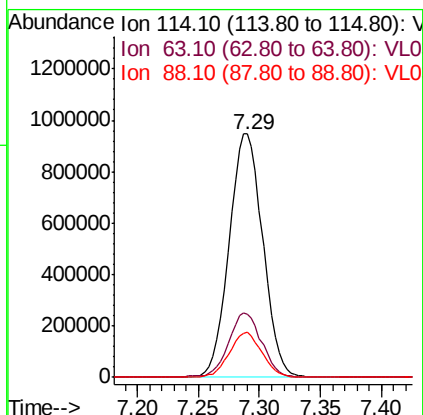
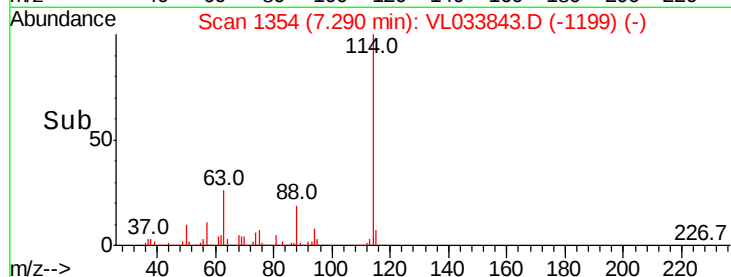
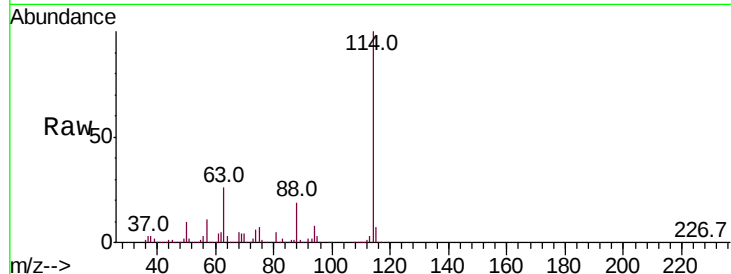
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VL033843.D
 Acq: 29 May 2019 19:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0529ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.3	20.9	31.3
88	17.9	14.3	21.5

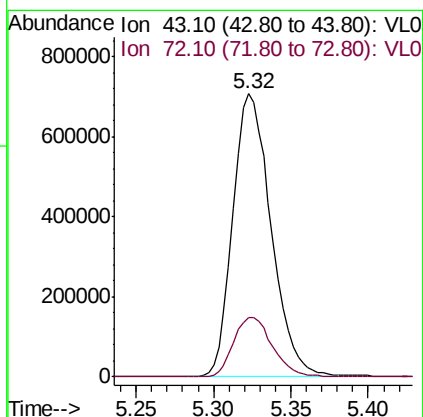
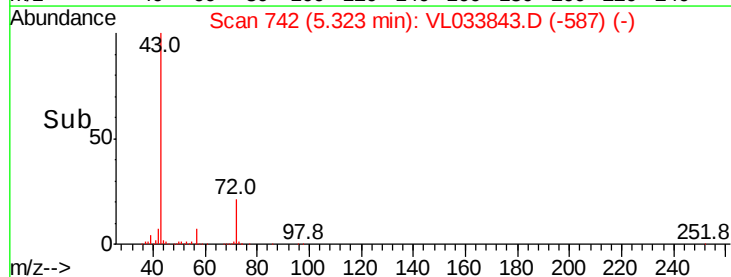
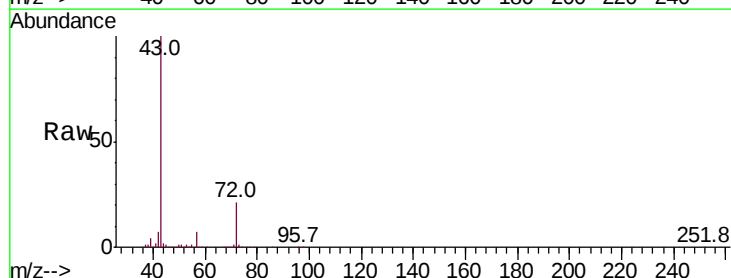
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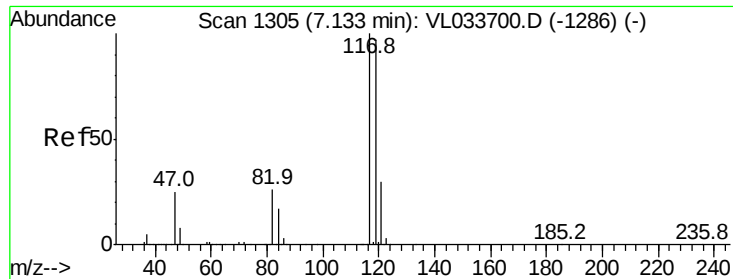
apatel
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#34
 2-Butanone
 Concen: 10.768 ppbv
 RT: 5.32 min Scan# 742
 Delta R.T. -0.00 min
 Lab File: VL033843.D
 Acq: 29 May 2019 19:29

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.6	17.8	26.6





#35

Carbon Tetrachloride

Concen: 11.312 ppbv

RT: 7.13 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tot Ion:117 Resp: 1644543

Ion Ratio Lower Upper

117 100

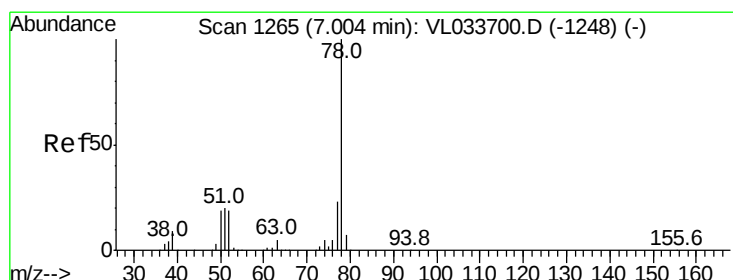
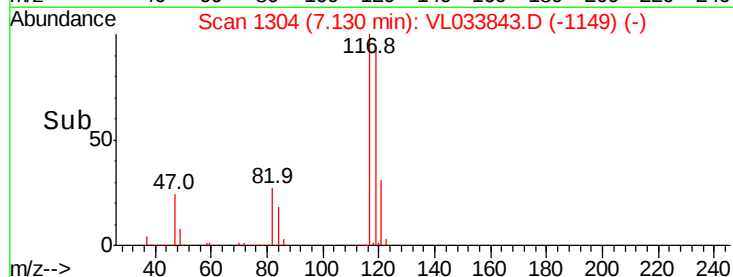
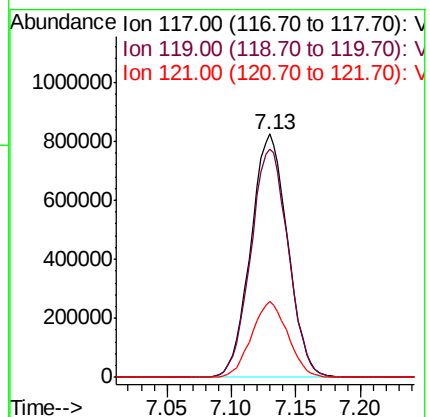
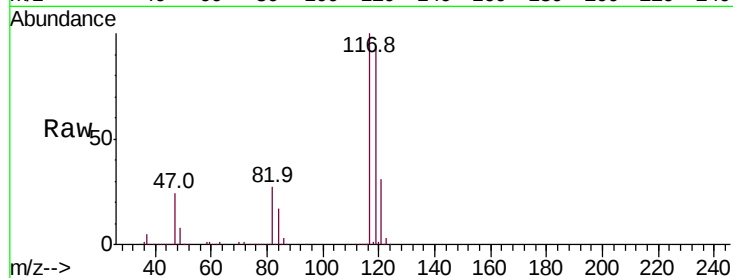
119 93.8 77.2 115.8

121 31.2 24.1 36.1

Manual Integrations
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#36

Benzene

Concen: 10.874 ppbv

RT: 7.00 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

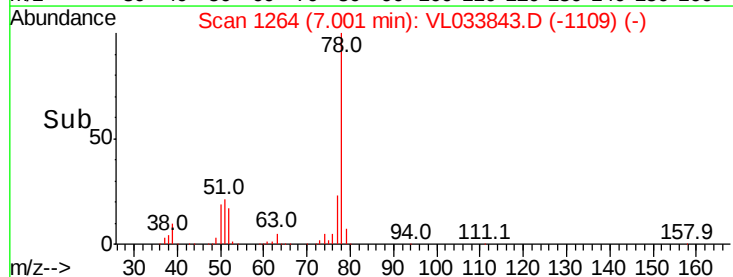
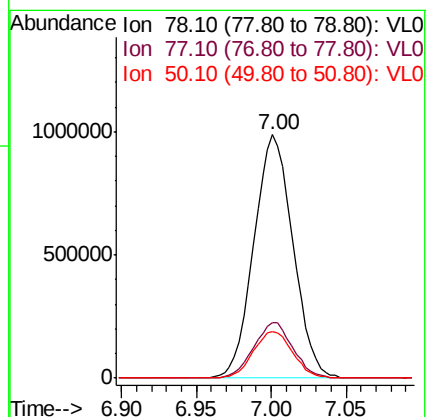
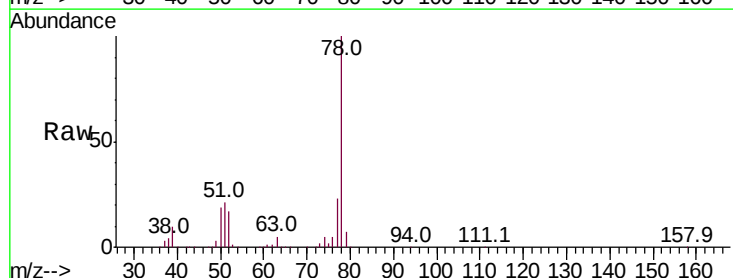
Tgt Ion: 78 Resp: 1795225

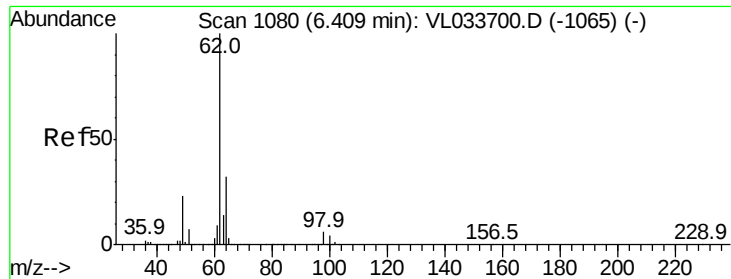
Ion Ratio Lower Upper

78 100

77 22.6 18.4 27.6

50 19.3 15.5 23.3





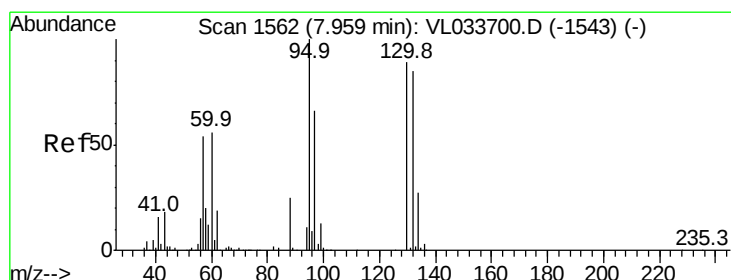
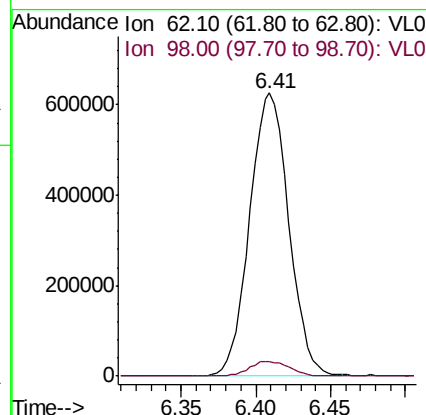
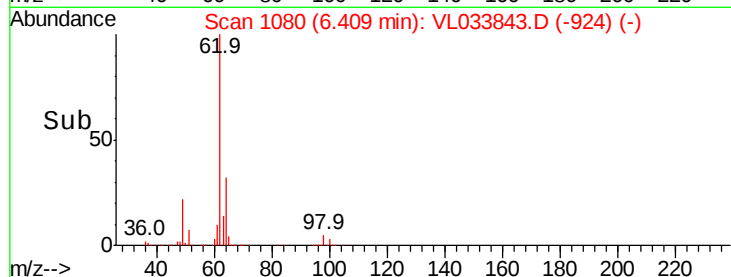
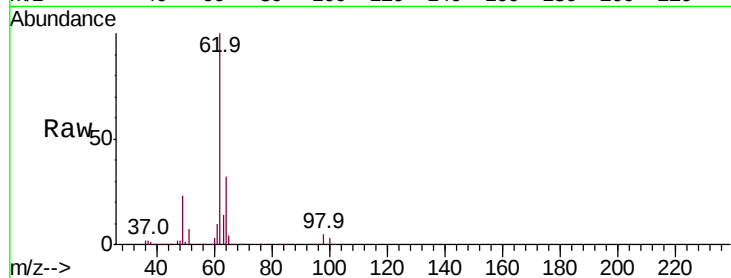
#37
 1,2-Dichloroethane
 Concen: 10.704 ppbv
 RT: 6.41 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VL033843.D
 Acq: 29 May 2019 19:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0529ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.4	4.5	6.7

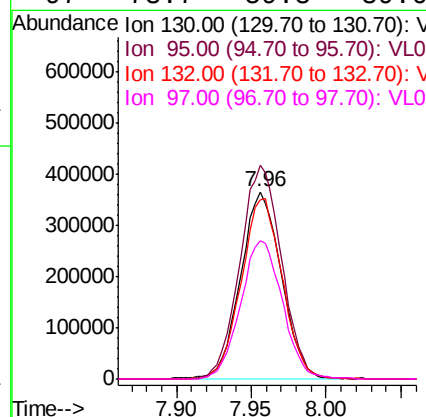
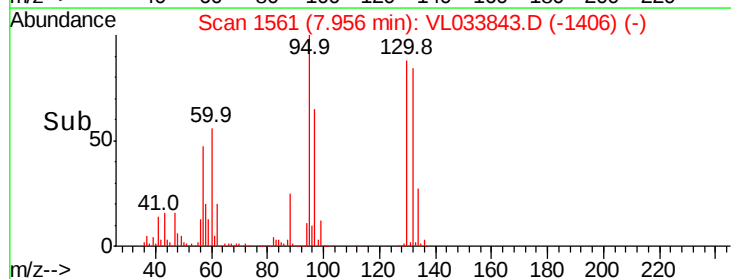
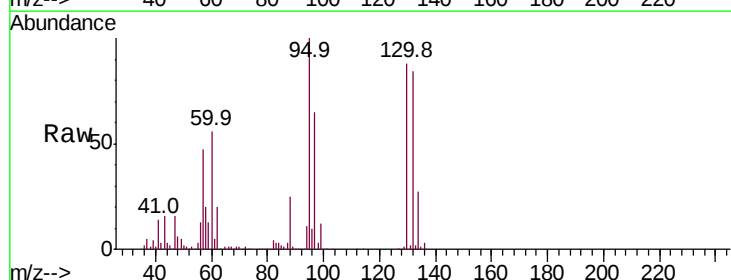
Manual Integrations
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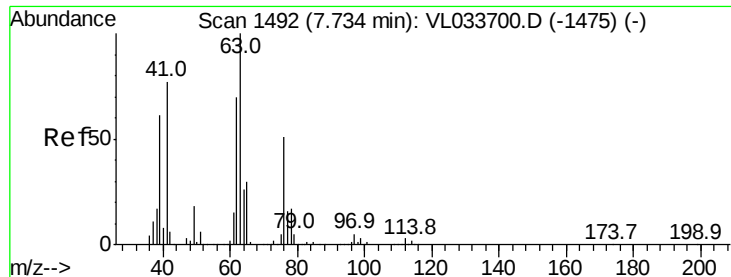
apatel
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#38
 Trichloroethene
 Concen: 11.344 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. -0.00 min
 Lab File: VL033843.D
 Acq: 29 May 2019 19:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	113.7	90.2	135.4
132	95.3	76.4	114.6
97	73.7	59.8	89.6





#39

1,2-Dichloropropane

Concen: 10.309 ppbv

RT: 7.73 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Instrument :

MSVOA_L

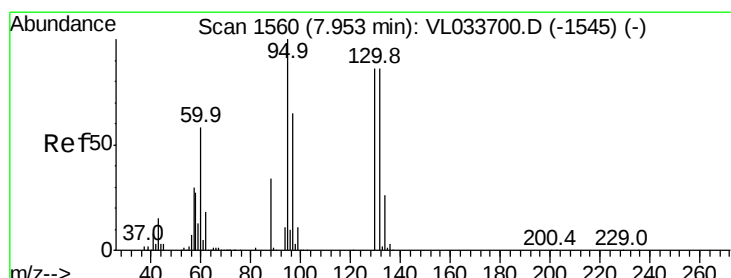
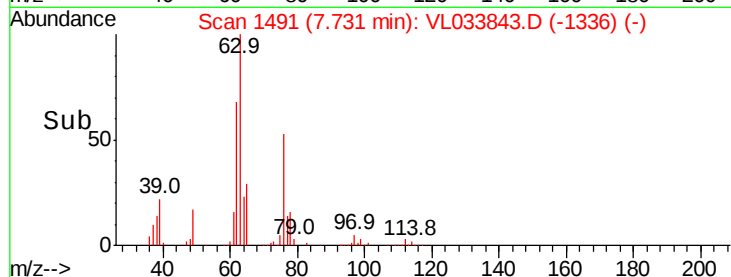
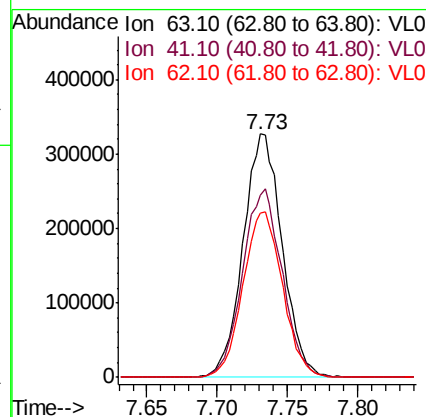
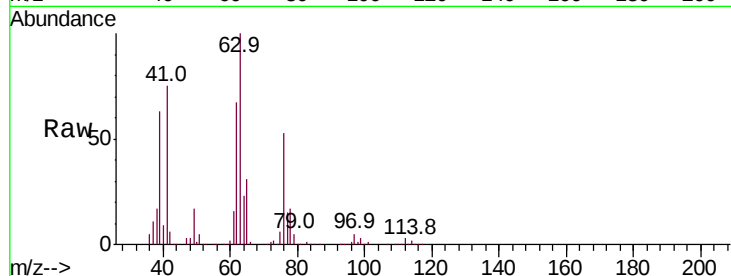
ClientSampleId :

VL0529ABS01

Tot Ion:	63	Resp:	634582
Ion Ratio	Lower	Upper	
63	100		
41	74.9	61.5	92.3
62	67.2	56.2	84.4

Manual Integrations
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#40

1,4-Dioxane

Concen: 10.563 ppbv

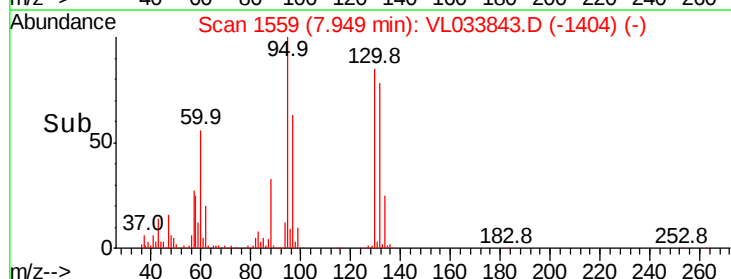
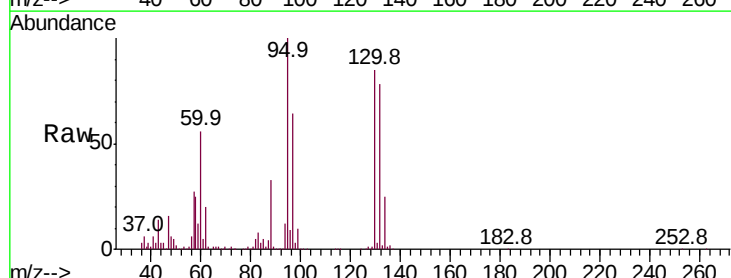
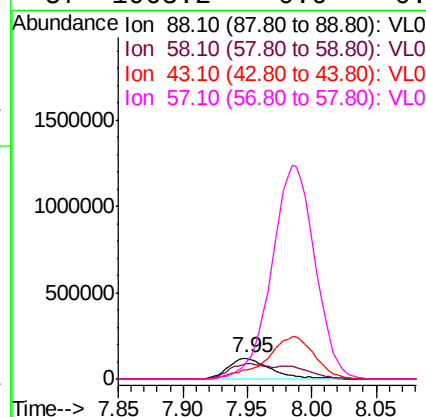
RT: 7.95 min Scan# 1559

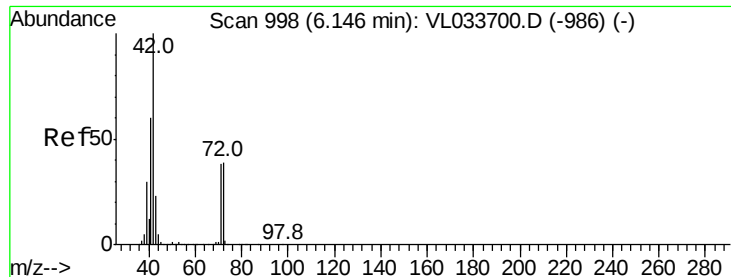
Delta R.T. -0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Tgt Ion:	88	Resp:	271974
Ion Ratio	Lower	Upper	
88	100		
58	121.5	101.8	152.6
43	237.4	0.0	0.0#
57	1063.2	0.0	0.0#





#41

Tetrahydrofuran

Concen: 11.239 ppbv

RT: 6.15 min Scan# 998

Delta R.T. 0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Instrument :

MSVOA_L

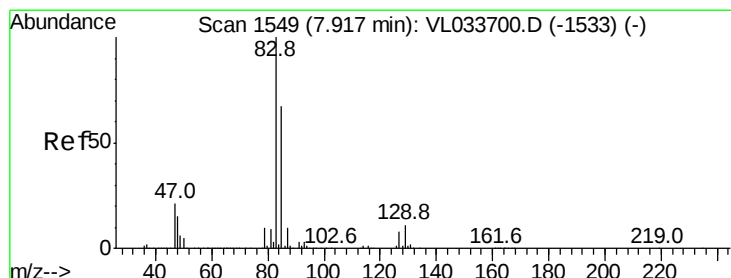
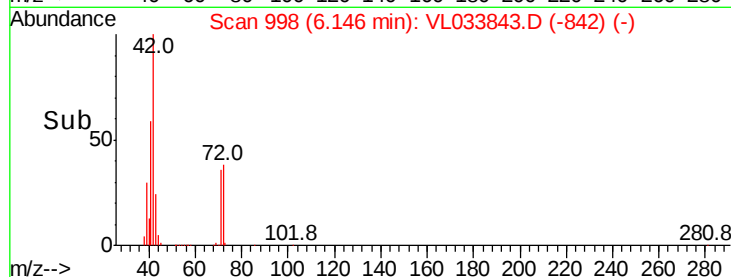
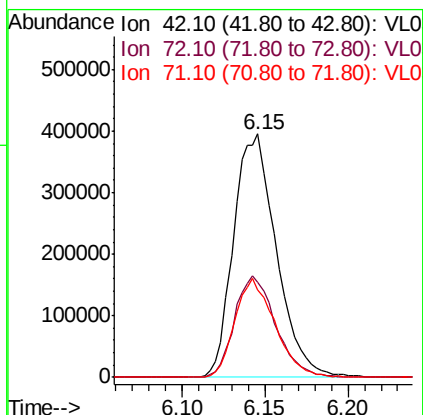
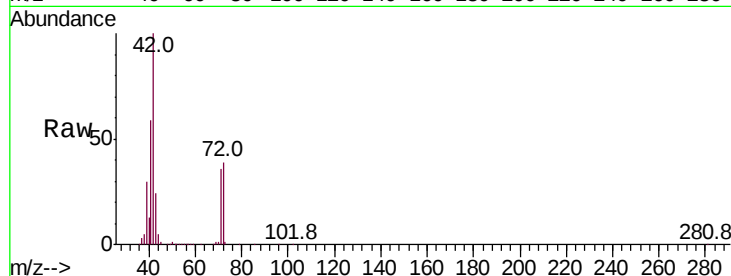
ClientSampleID :

VL0529ABS01

Tot Ion:	42	Resp:	708433
Ion Ratio	Lower	Upper	
42	100		
72	40.4	32.0	48.0
71	38.5	30.4	45.6

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.639 ppbv

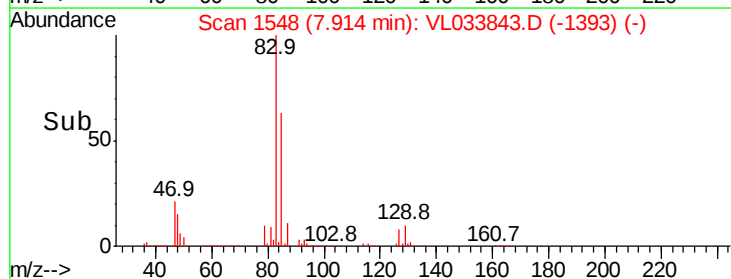
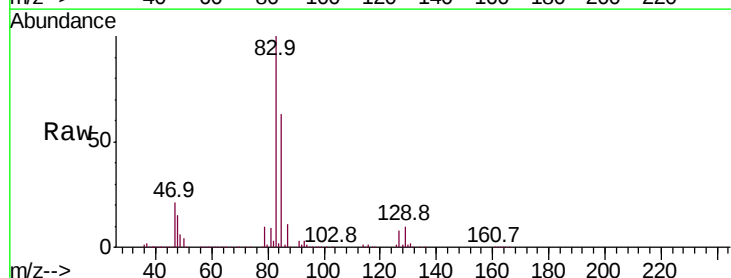
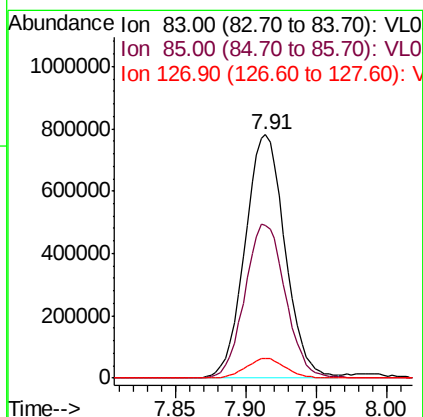
RT: 7.91 min Scan# 1548

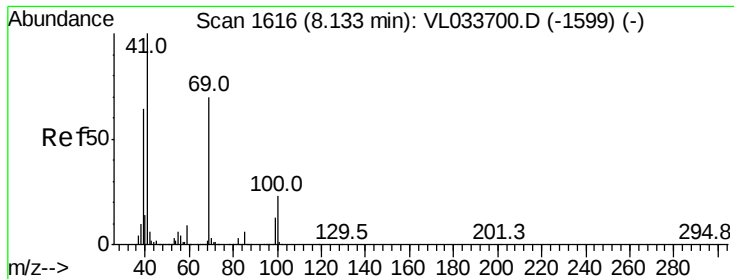
Delta R.T. -0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Tgt Ion:	83	Resp:	1551133
Ion Ratio	Lower	Upper	
83	100		
85	62.8	53.3	79.9
127	8.2	6.5	9.7





#43

Methyl Methacrylate

Concen: 11.060 ppbv

RT: 8.13 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Instrument :

MSVOA_L

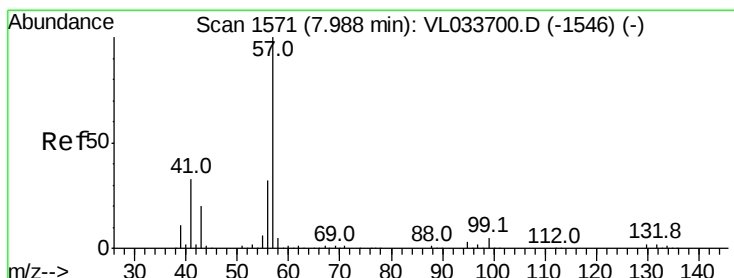
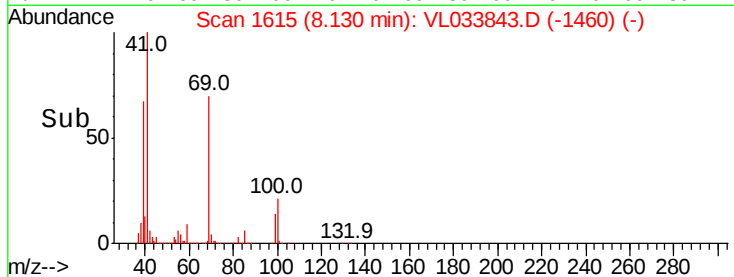
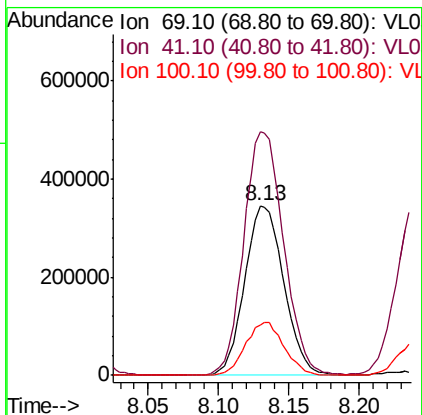
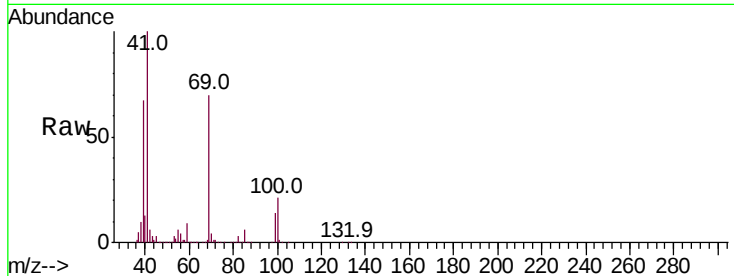
ClientSampleId :

VL0529ABS01

Tot Ion:	69	Resp:	672015
Ion Ratio	Lower	Upper	
69	100		
41	146.1	116.3	174.5
100	31.0	25.3	37.9

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#44

2,2,4-Trimethylpentane

Concen: 10.350 ppbv

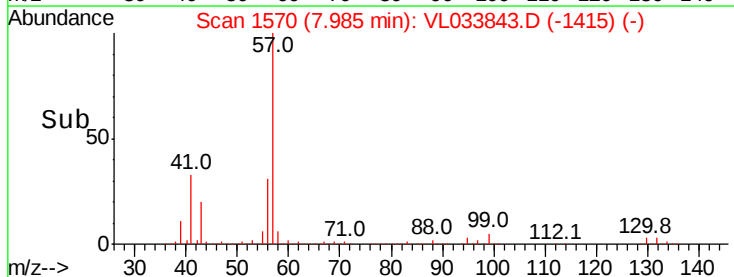
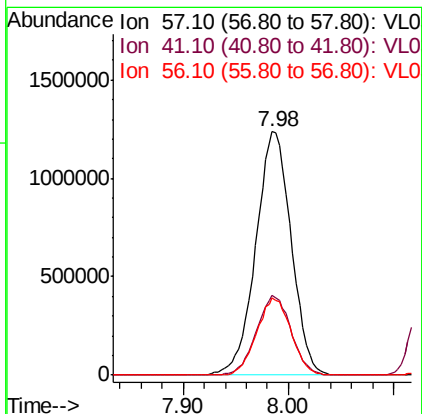
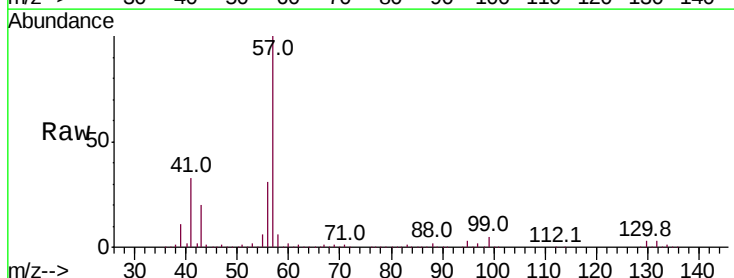
RT: 7.98 min Scan# 1570

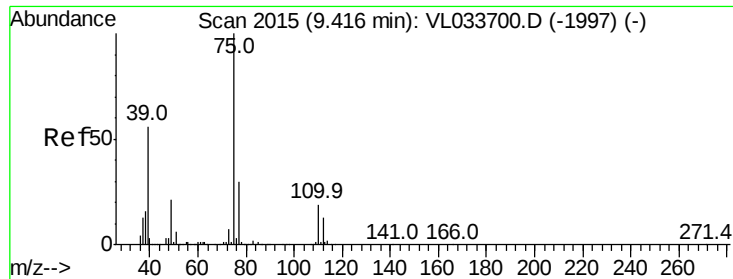
Delta R.T. -0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Tgt Ion:	57	Resp:	2887943
Ion Ratio	Lower	Upper	
57	100		
41	32.1	25.4	38.0
56	30.7	24.7	37.1





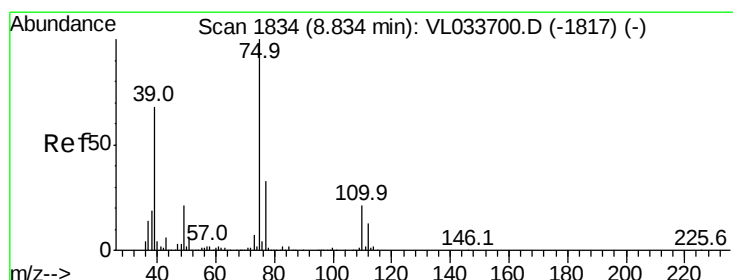
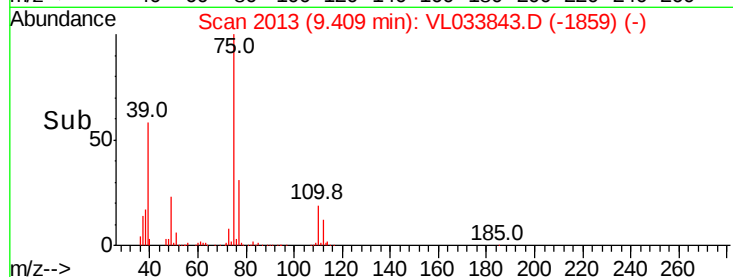
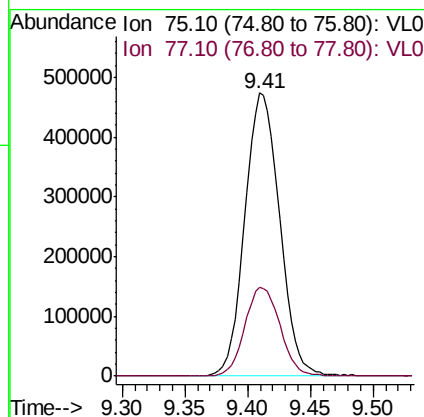
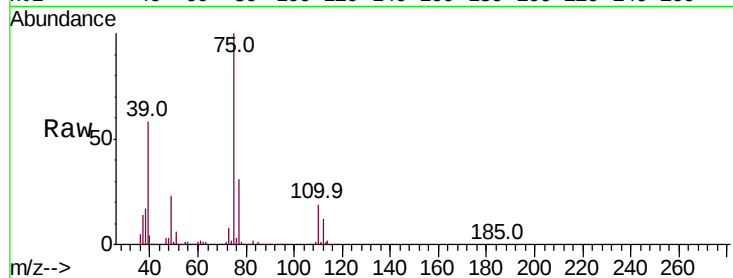
#45
 t-1,3-Dichloropropene
 Concen: 11.904 ppbv
 RT: 9.41 min Scan# 2013
 Delta R.T. -0.01 min
 Lab File: VL033843.D
 Acq: 29 May 2019 19:29

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0529ABS01

Tot Ion: 75 Resp: 916917
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.4 36.6

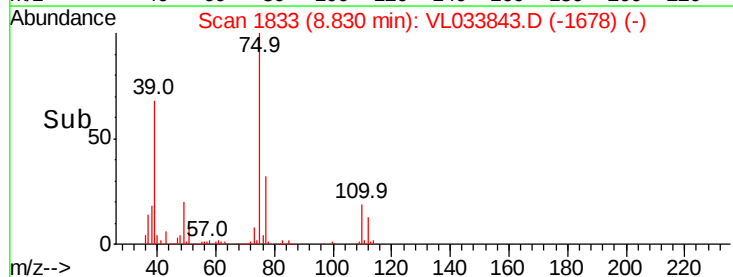
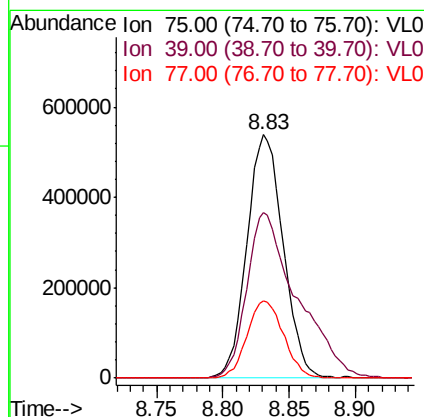
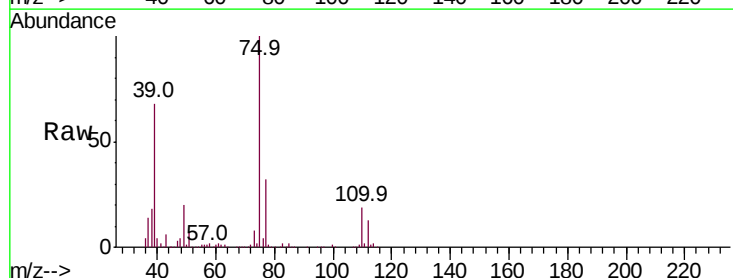
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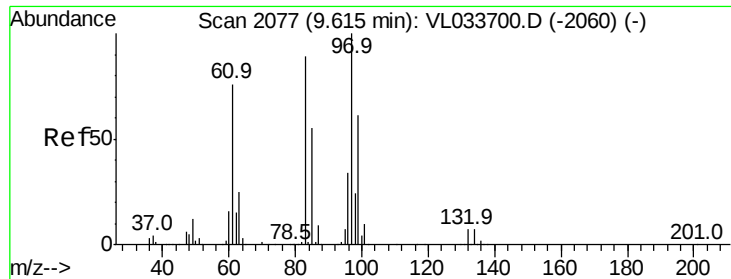
apatel
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#46
 cis-1,3-Dichloropropene
 Concen: 11.344 ppbv
 RT: 8.83 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VL033843.D
 Acq: 29 May 2019 19:29

Tgt Ion: 75 Resp: 1023198
 Ion Ratio Lower Upper
 75 100
 39 67.9 54.4 81.6
 77 31.9 26.6 39.8





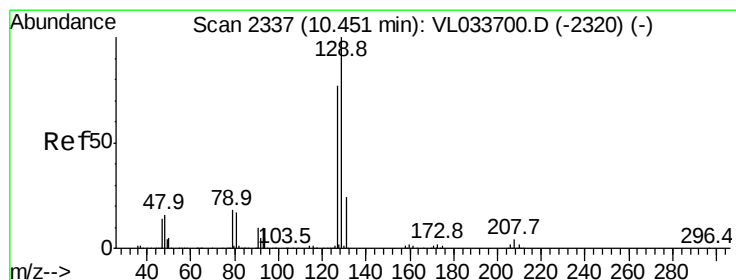
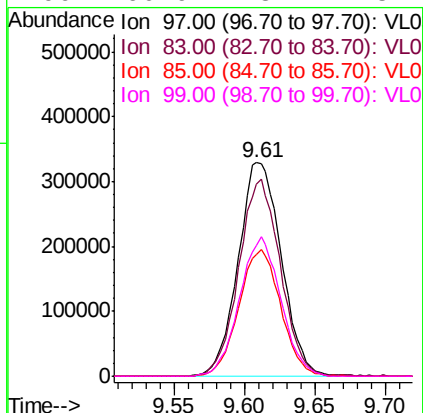
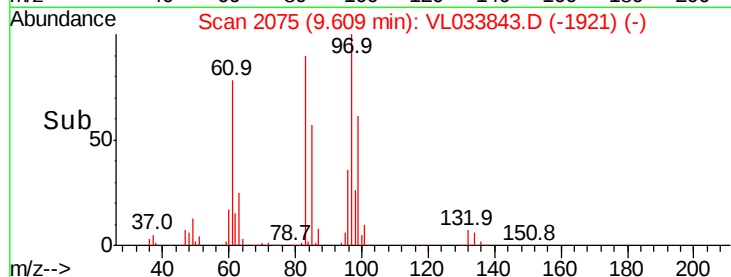
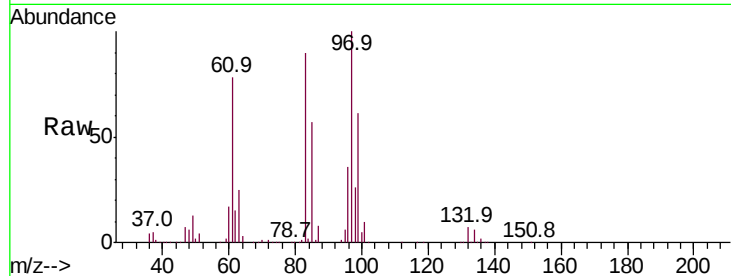
#47
 1,1,2-Trichloroethane
 Concen: 10.074 ppbv
 RT: 9.61 min Scan# 2075
 Delta R.T. -0.01 min
 Lab File: VL033843.D
 Acq: 29 May 2019 19:29

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0529ABS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	90.1	70.8	106.2	
85	56.6	43.7	65.5	
99	60.9	48.7	73.1	

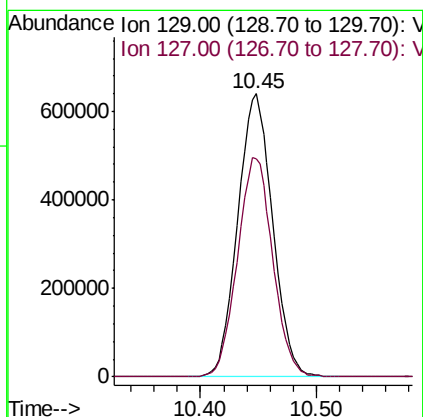
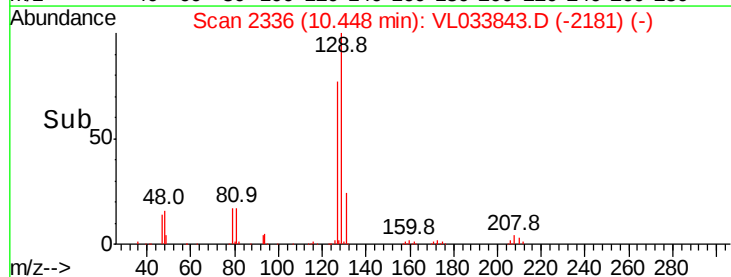
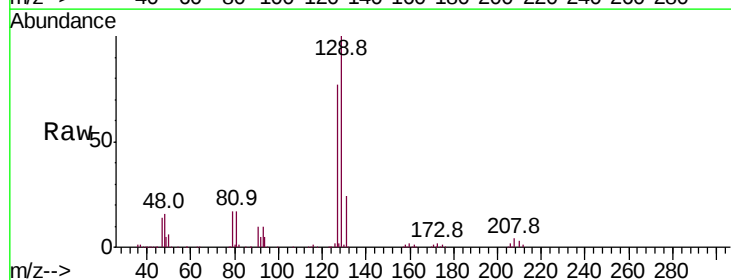
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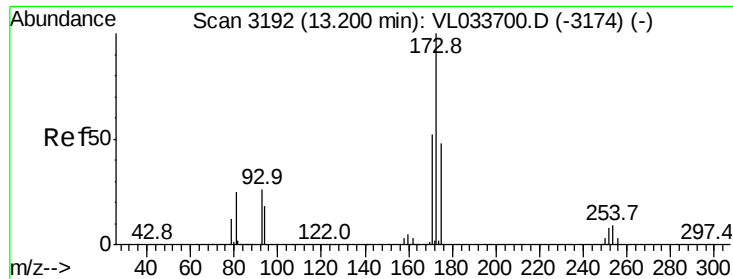
apatel
 5/31/2019 12:45:15 PM



#48
 Dibromochloromethane
 Concen: 11.025 ppbv
 RT: 10.45 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: VL033843.D
 Acq: 29 May 2019 19:29

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.4	38.6	116.0	





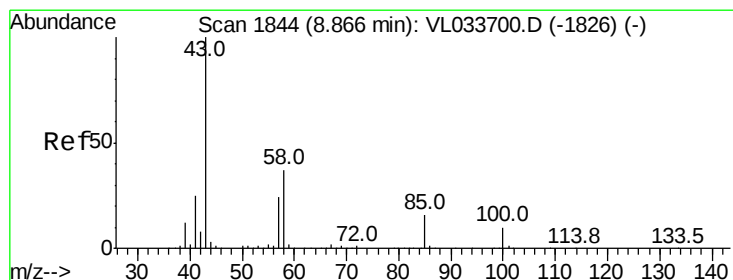
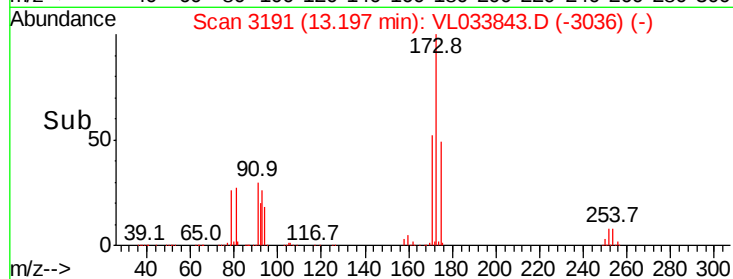
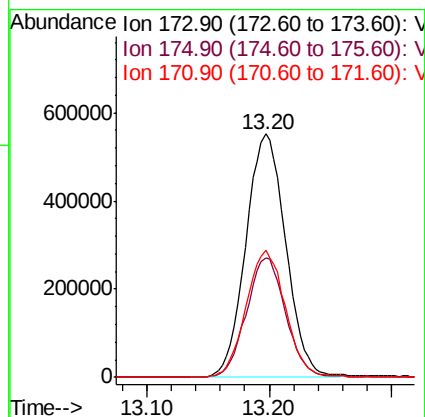
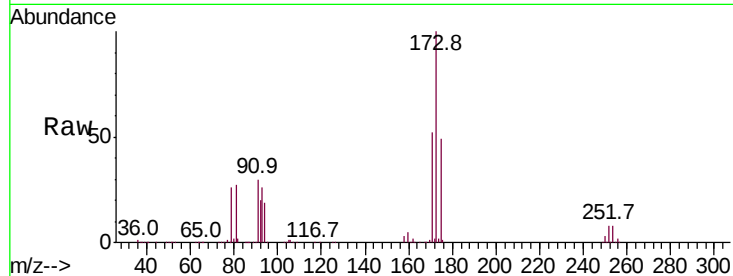
#49
Bromoform
Concen: 12.206 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	38.6	58.0
171	51.8	41.5	62.3

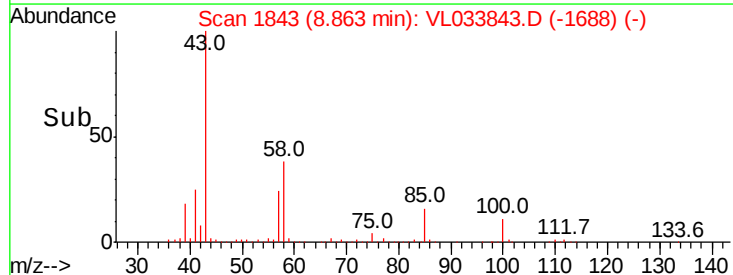
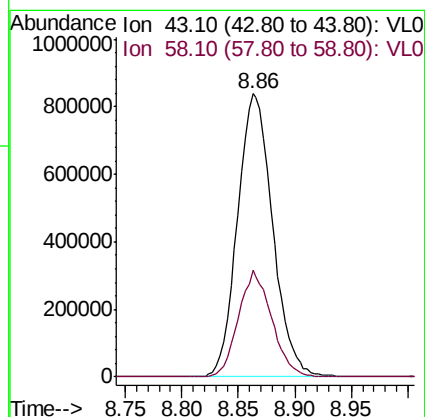
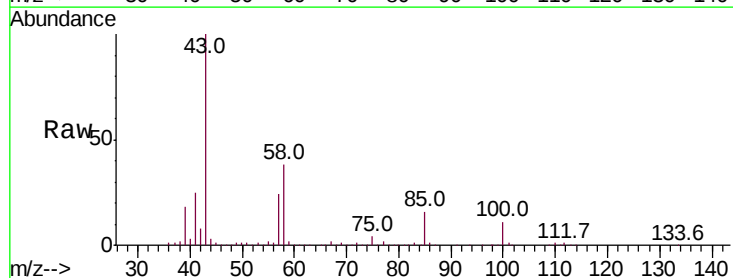
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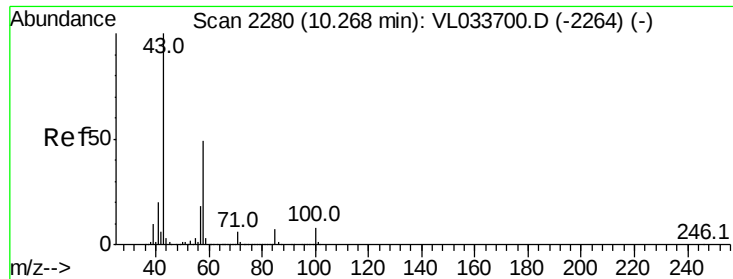
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#50
4-Methyl-2-Pentanone
Concen: 10.477 ppbv
RT: 8.86 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.7	28.6	43.0





#51

2-Hexanone

Concen: 10.938 ppbv

RT: 10.26 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tot Ion: 43 Resp: 1477137

Ion Ratio Lower Upper

43 100

58 47.9 38.7 58.1

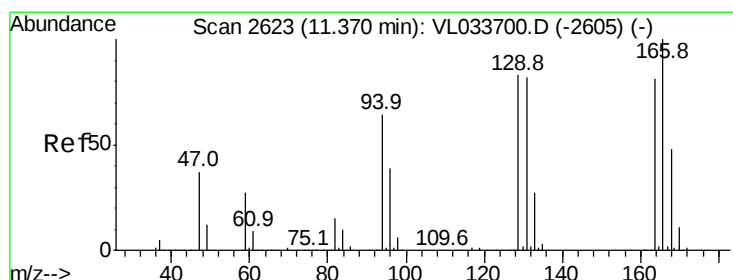
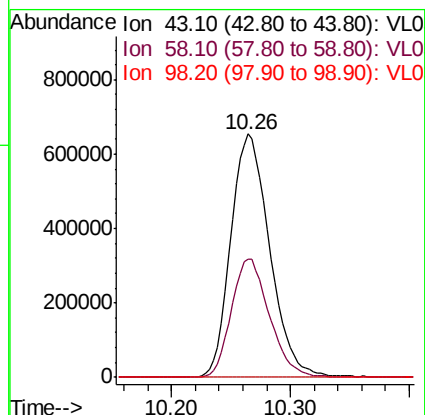
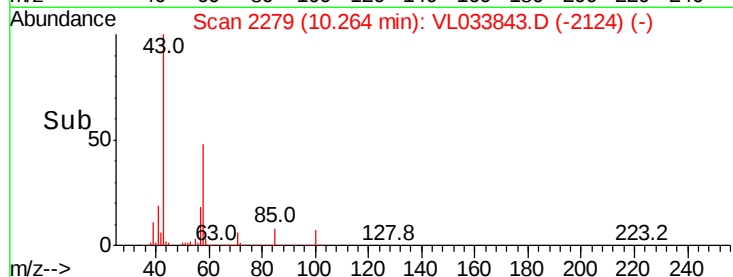
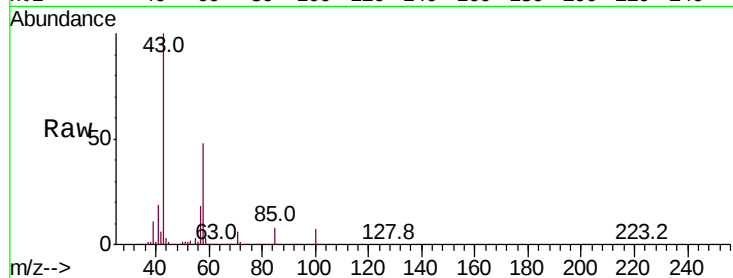
98 0.2 0.2 0.4#

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#52

Tetrachloroethene

Concen: 11.189 ppbv

RT: 11.37 min Scan# 2622

Delta R.T. -0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Tgt Ion: 164 Resp: 649373

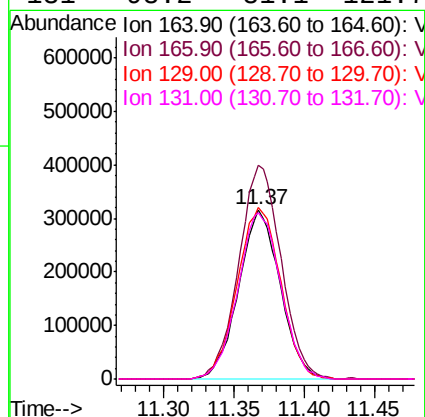
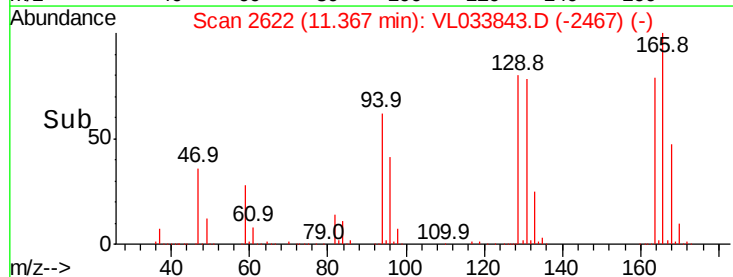
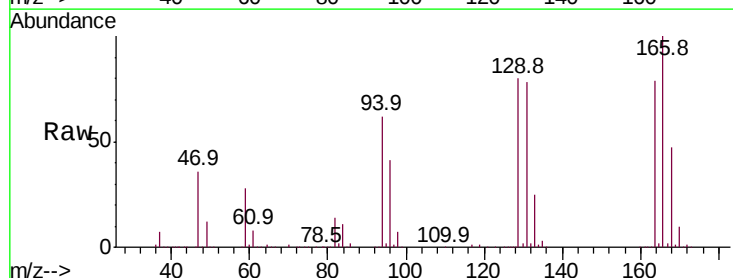
Ion Ratio Lower Upper

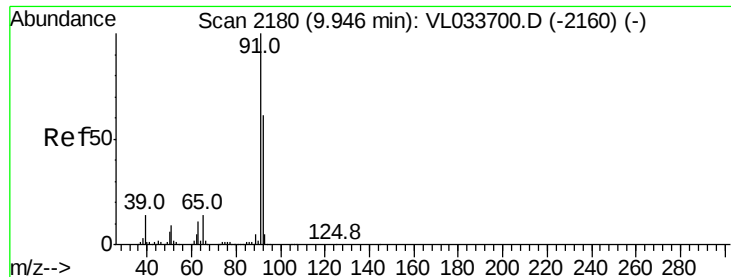
164 100

166 126.0 98.9 148.3

129 100.8 81.8 122.6

131 98.2 81.1 121.7





#53

Toluene

Concen: 11.033 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tot Ion: 91 Resp: 1964632

Ion Ratio Lower Upper

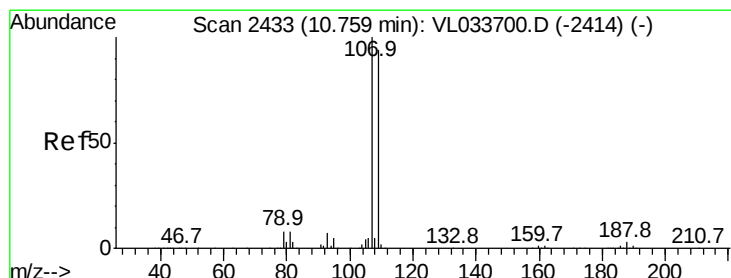
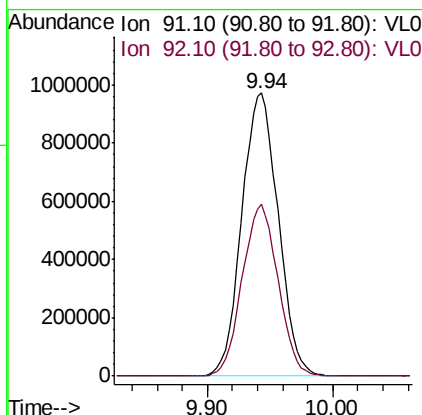
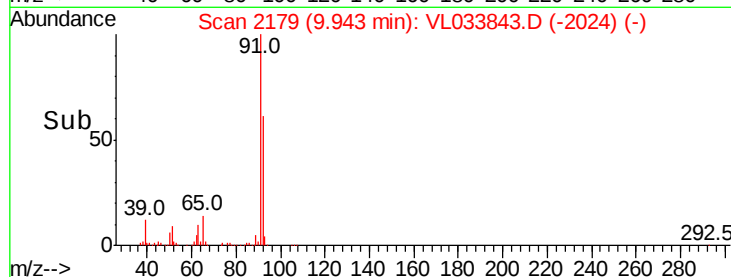
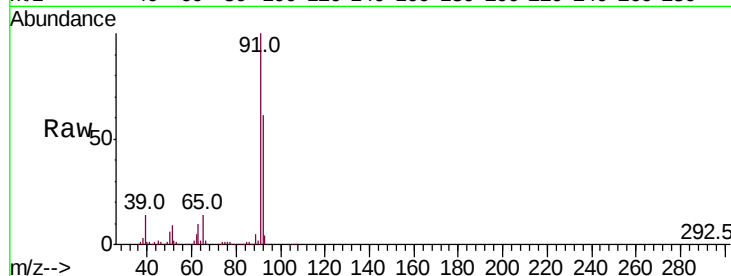
91 100

92 59.7 47.6 71.4

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#54

1,2-Dibromoethane

Concen: 10.686 ppbv

RT: 10.75 min Scan# 2431

Delta R.T. -0.01 min

Lab File: VL033843.D

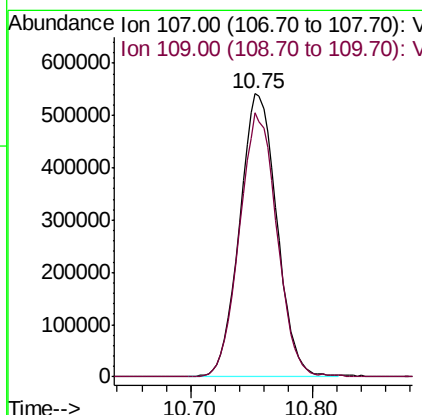
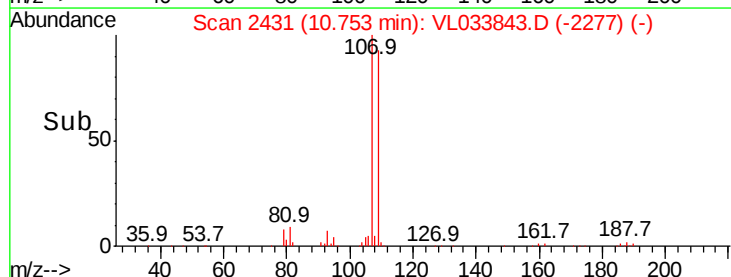
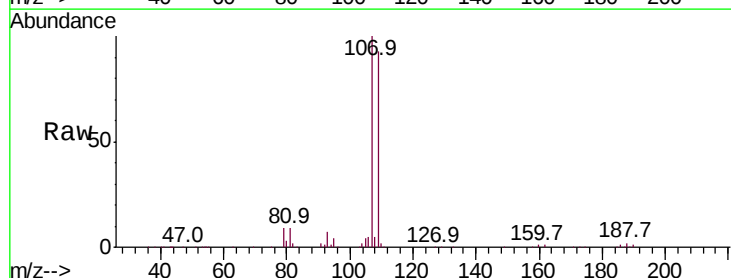
Acq: 29 May 2019 19:29

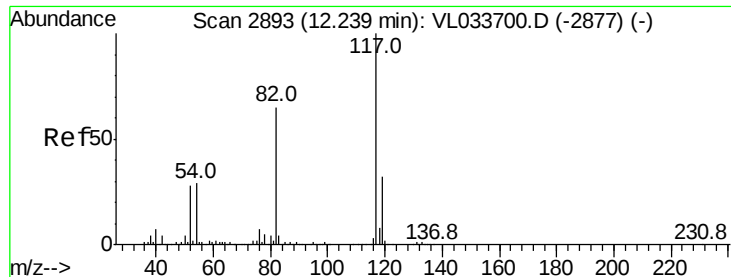
Tgt Ion: 107 Resp: 1140306

Ion Ratio Lower Upper

107 100

109 93.2 75.2 112.8





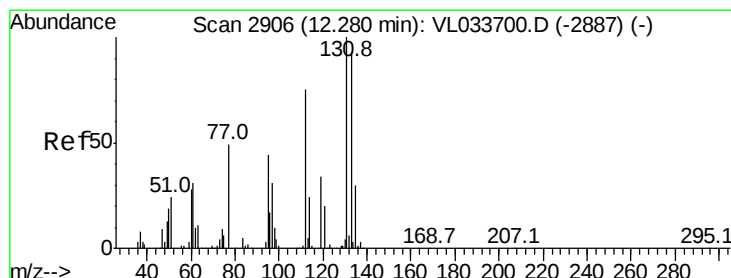
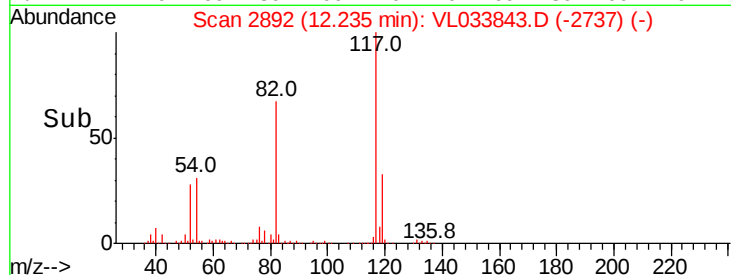
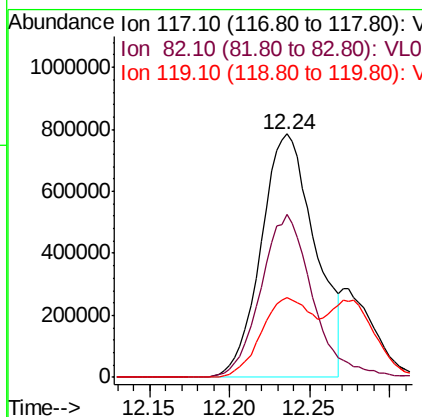
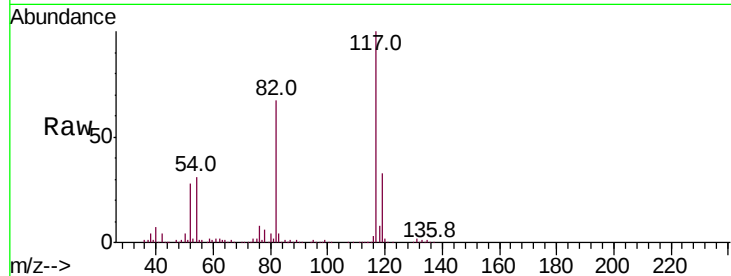
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.3	49.4	74.0
119	30.5	24.9	37.3

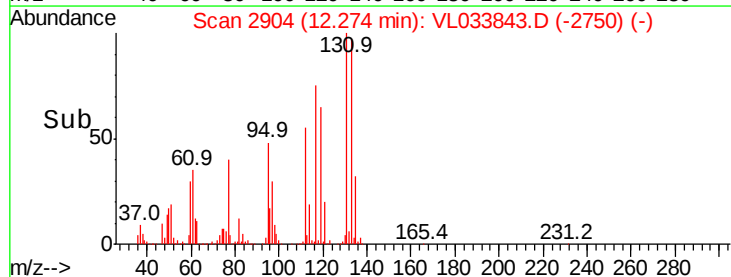
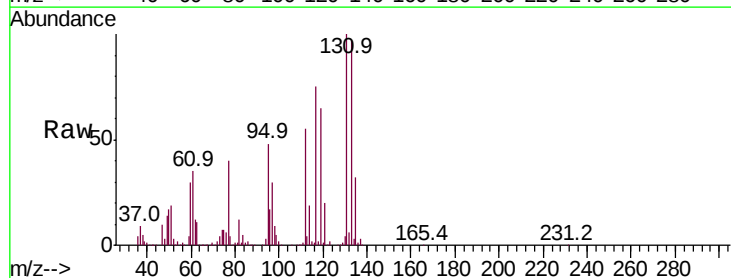
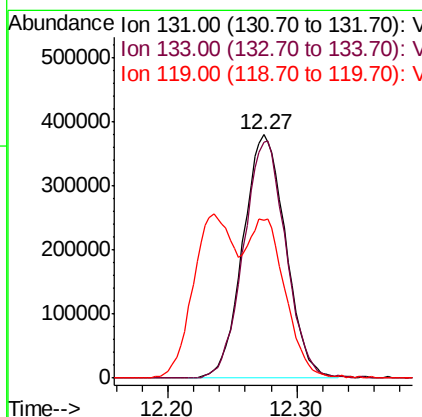
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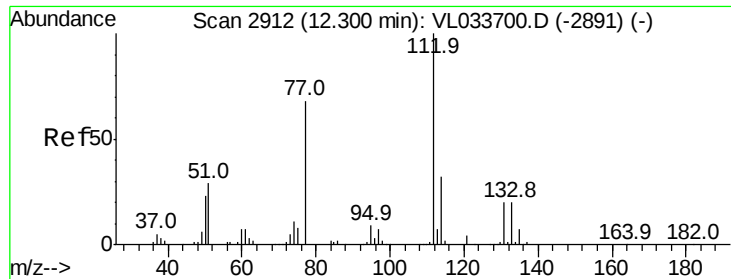
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.193 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.4	76.6	114.8
119	65.9	49.0	73.4





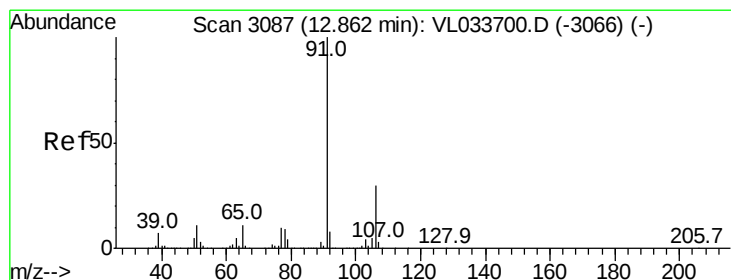
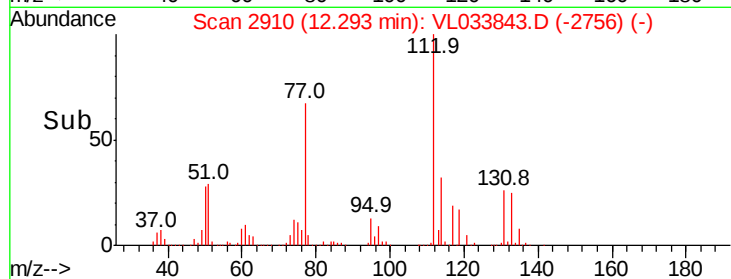
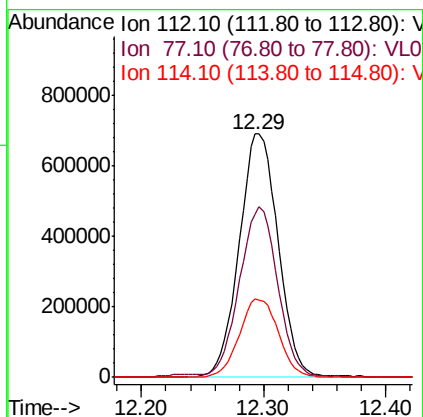
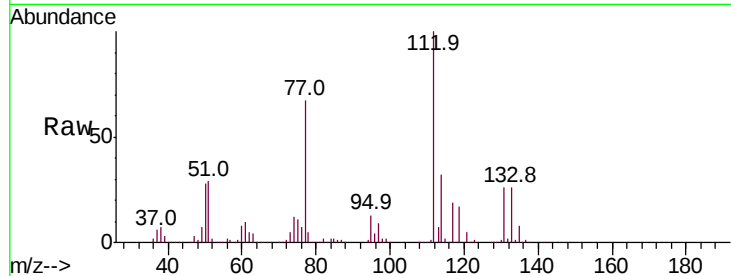
#57
Chlorobenzene
Concen: 9.972 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	66.4	55.4	83.0
114	32.3	29.3	35.8

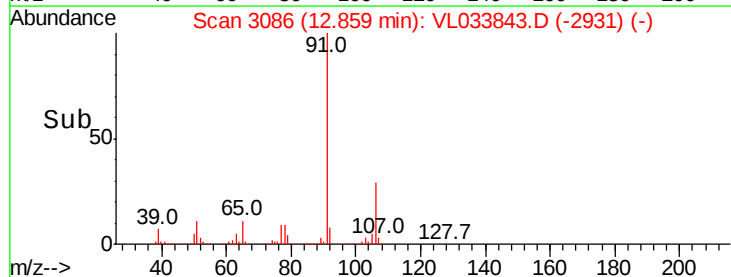
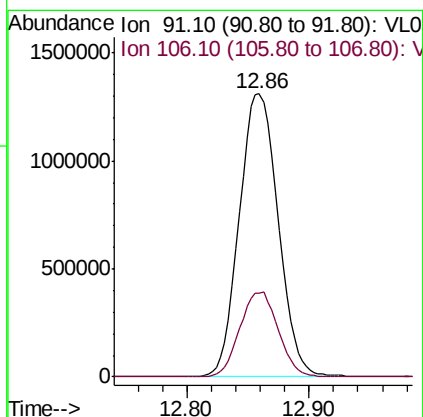
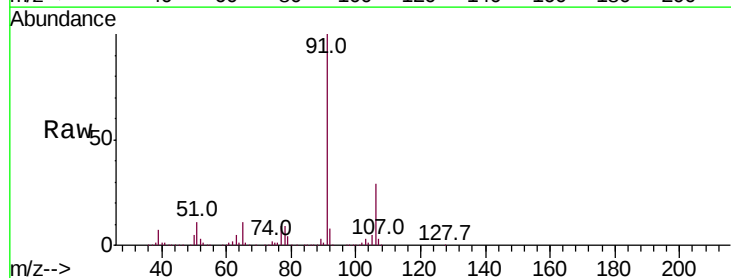
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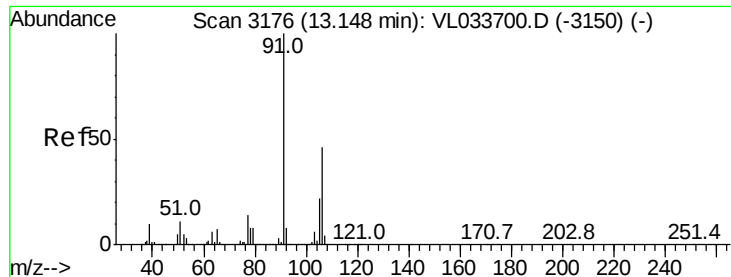
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#58
Ethyl Benzene
Concen: 11.812 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.9	35.9





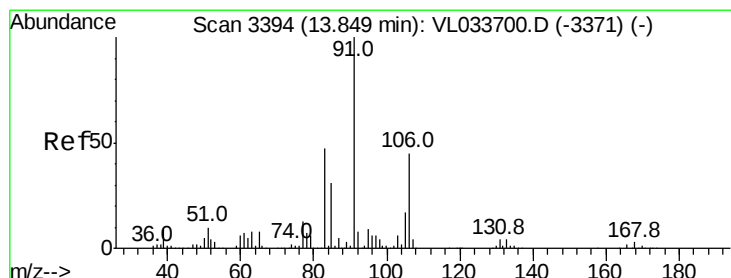
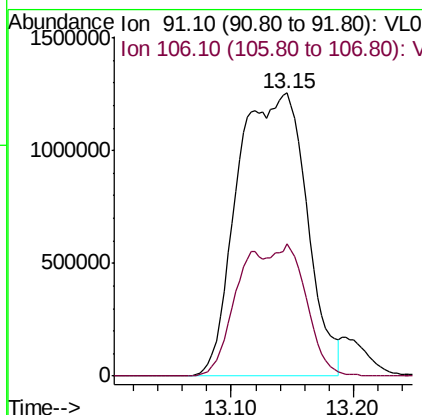
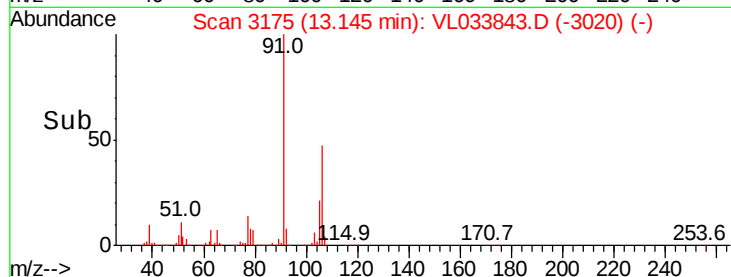
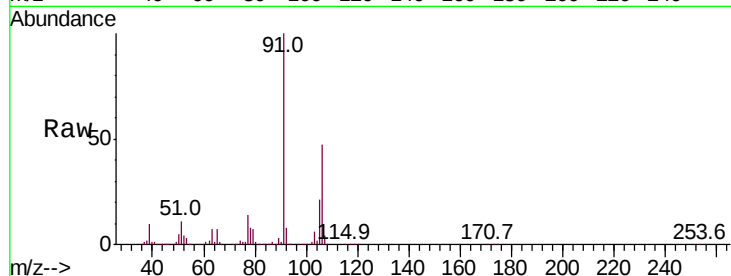
#59
m/p-Xylene
Concen: 23.149 ppbv m
RT: 13.15 min Scan# 3175
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tot Ion: 91 Resp: 4948622
Ion Ratio Lower Upper
91 100
106 44.9 35.8 53.6

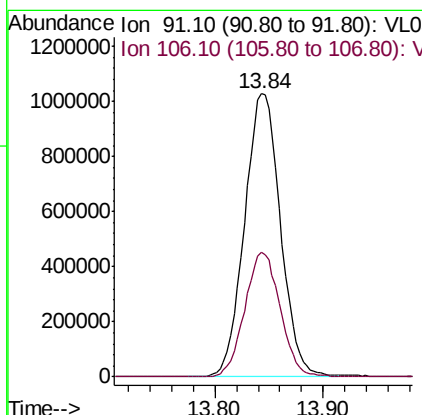
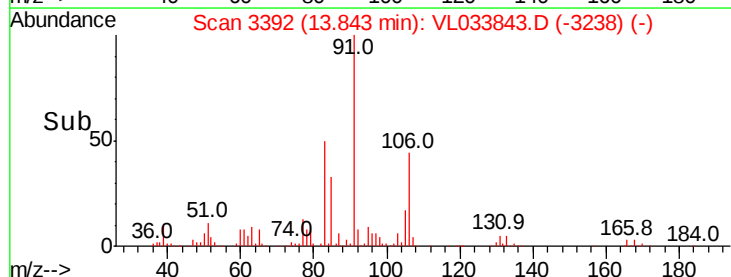
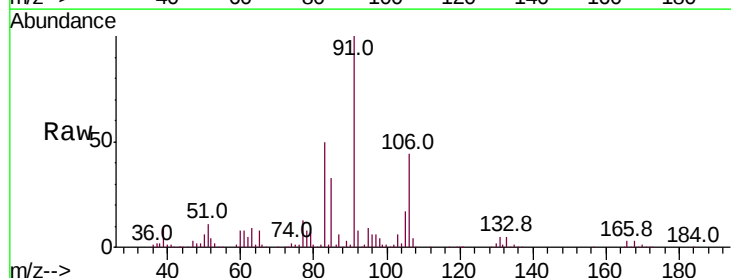
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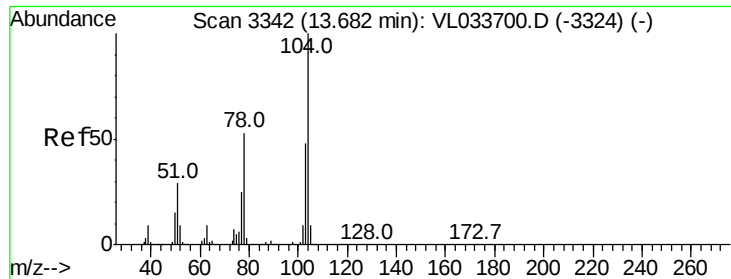
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#60
o-Xylene
Concen: 11.048 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 91 Resp: 2380931
Ion Ratio Lower Upper
91 100
106 43.7 21.6 64.8





#61

Stvrene

Concen: 12.676 ppbv

RT: 13.68 min Scan# 3341

Delta R.T. -0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Instrument :

MSVOA_L

ClientSampled :

VL0529ABS01

Tot Ion:104 Resp: 1839119

Ion Ratio Lower Upper

104 100

78 53.8 42.6 64.0

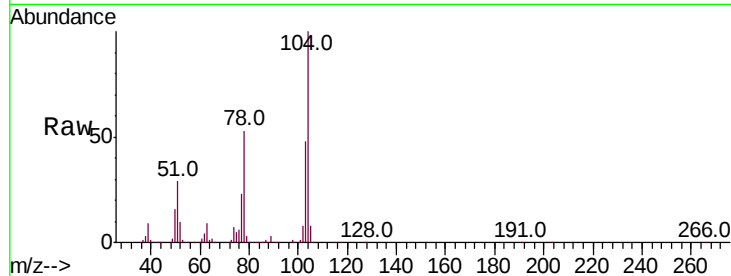
103 47.9 37.8 56.6

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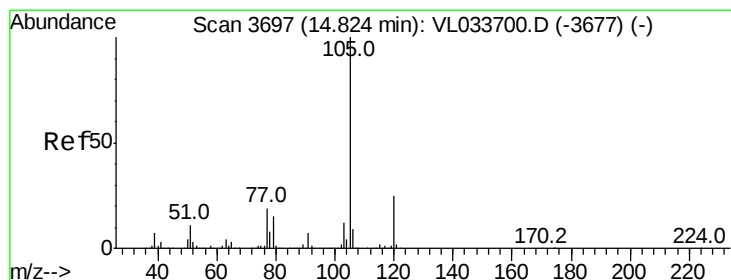
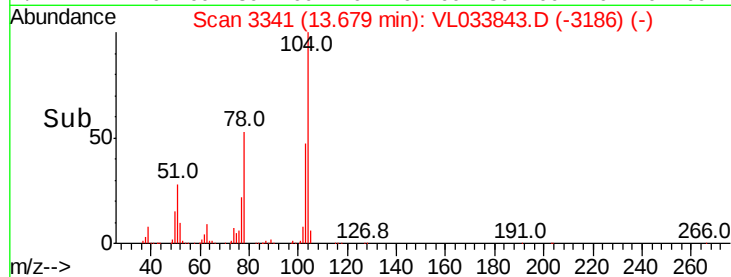
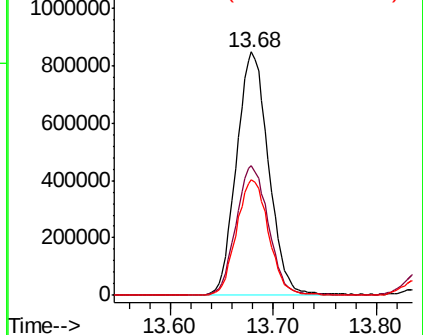
5/31/2019 12:45:15 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 11.126 ppbv

RT: 14.82 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VL033843.D

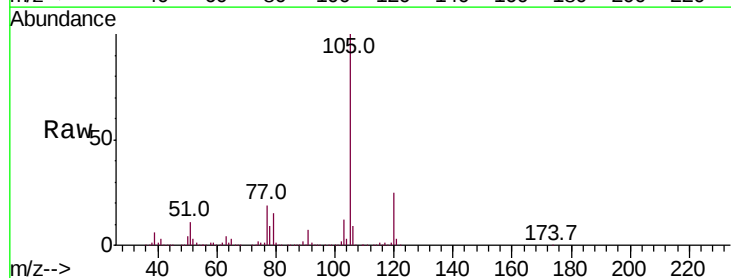
Acq: 29 May 2019 19:29

Tgt Ion:105 Resp: 3228811

Ion Ratio Lower Upper

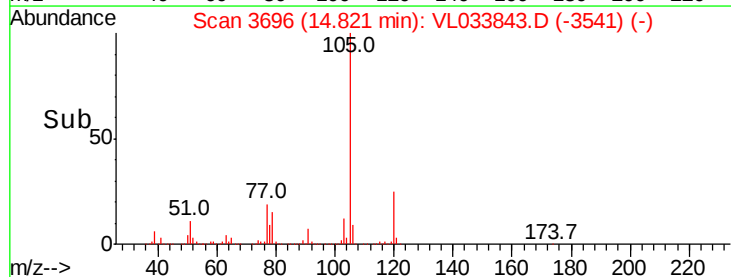
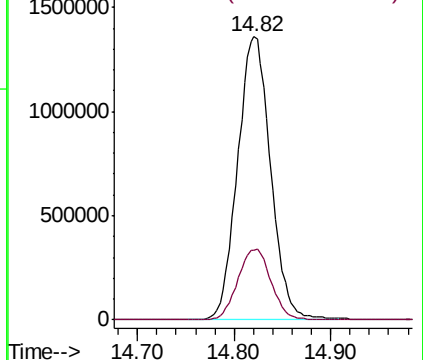
105 100

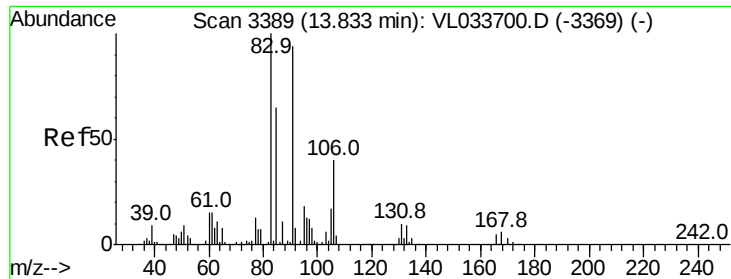
120 25.2 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





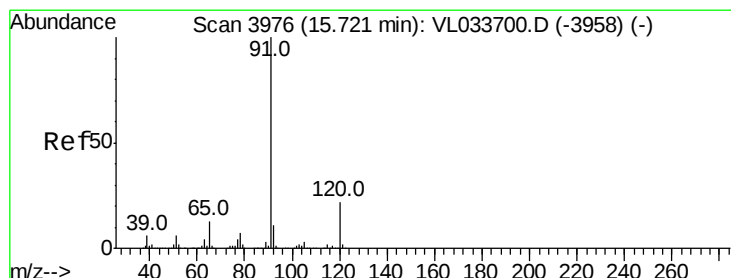
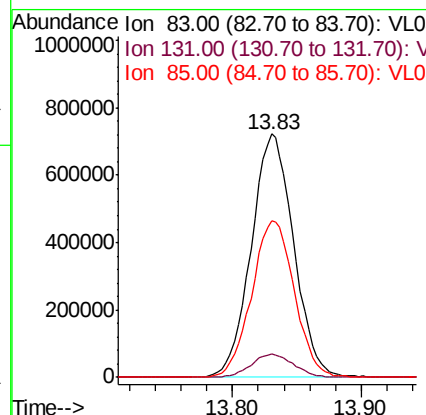
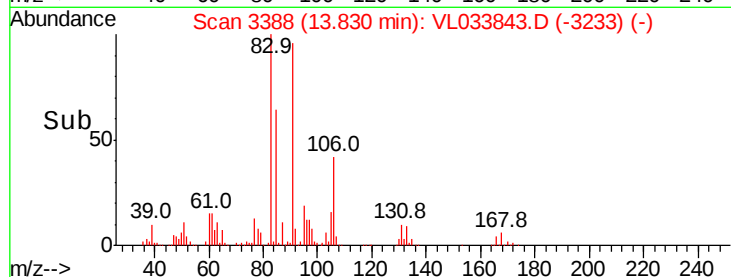
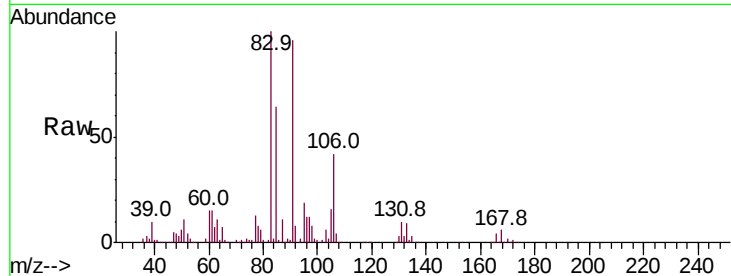
#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.516 ppbv
 RT: 13.83 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VL033843.D
 Acq: 29 May 2019 19:29

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0529ABS01

Tot Ion	83	Resp	1648029
Ion Ratio	100	Lower	Upper
83	100		
131	9.6	4.8	14.3
85	65.3	32.3	96.9

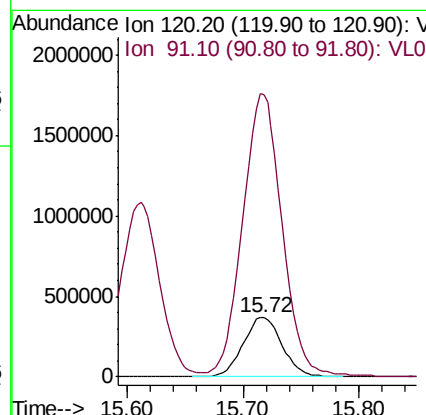
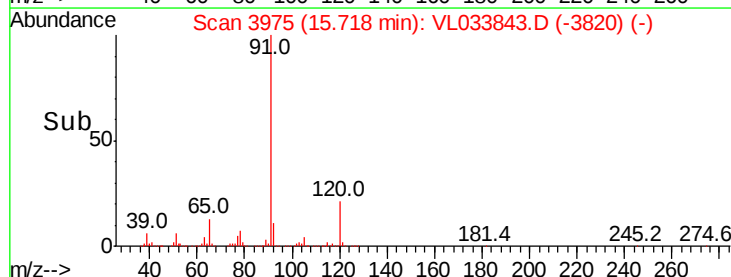
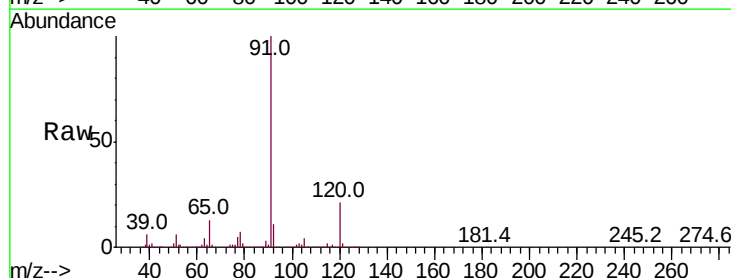
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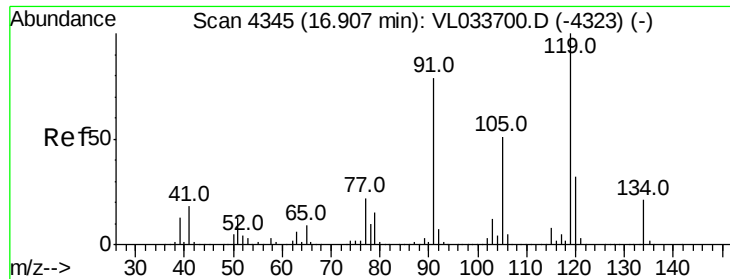
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#64
 n-propylbenzene
 Concen: 11.539 ppbv
 RT: 15.72 min Scan# 3975
 Delta R.T. -0.00 min
 Lab File: VL033843.D
 Acq: 29 May 2019 19:29

Tgt Ion	120	Resp	866181
Ion Ratio	100	Lower	Upper
120	100		
91	484.9	379.1	568.7





#65
 tert-Butylbenzene
 Concen: 11.592 ppbv
 RT: 16.90 min Scan# 4344
 Delta R.T. -0.00 min
 Lab File: VL033843.D
 Acq: 29 May 2019 19:29

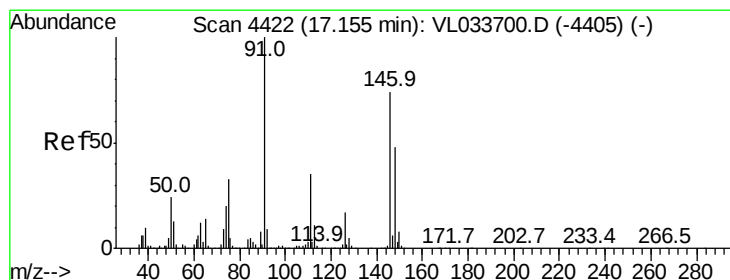
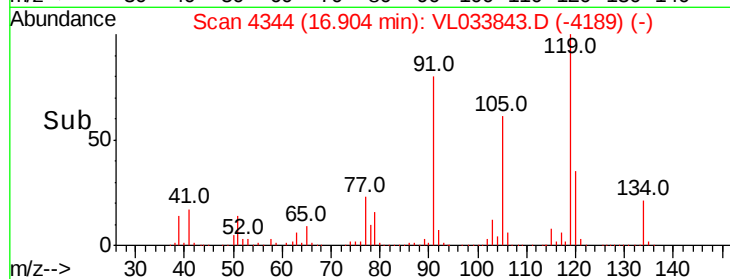
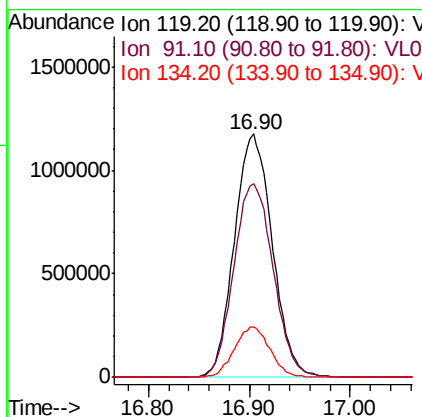
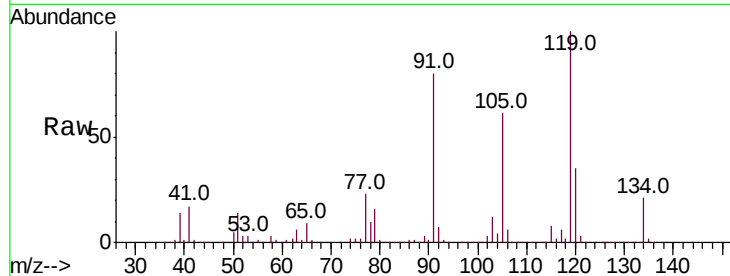
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0529ABS01

Tot Ion:119 Resp: 3071450

Ion	Ratio	Lower	Upper
119	100		
91	83.1	65.3	97.9
134	19.6	15.7	23.5

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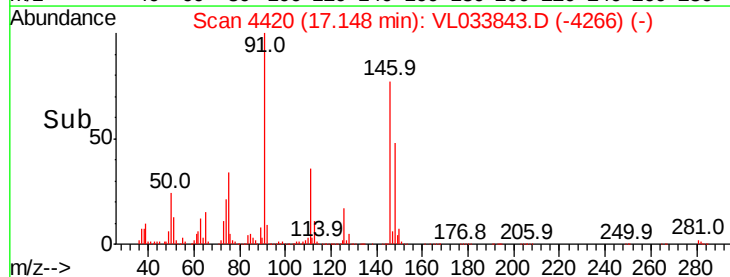
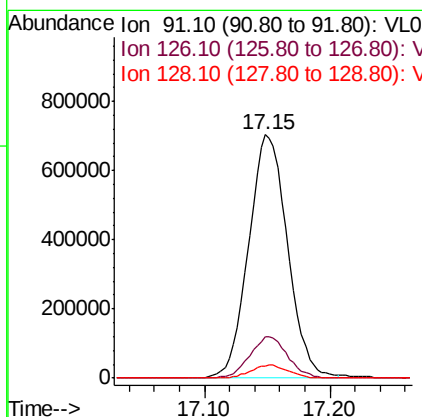
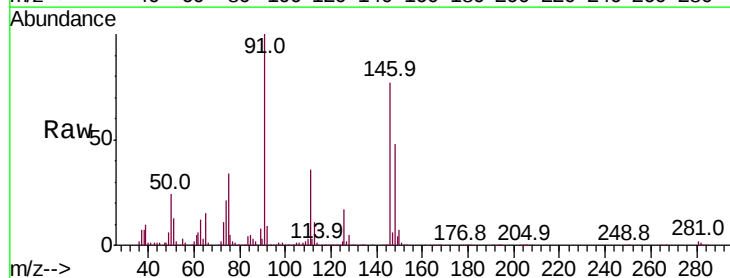
apatel
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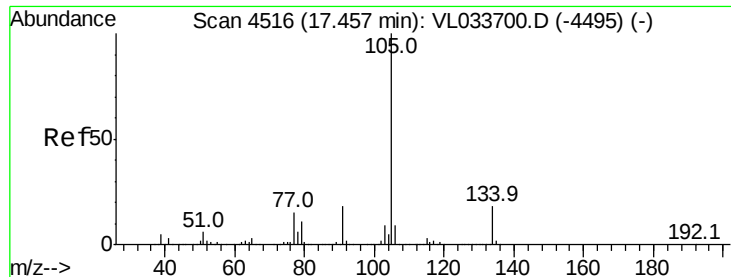


#66
 Benzyl Chloride
 Concen: 12.010 ppbv
 RT: 17.15 min Scan# 4420
 Delta R.T. -0.01 min
 Lab File: VL033843.D
 Acq: 29 May 2019 19:29

Tgt Ion: 91 Resp: 1515639

Ion	Ratio	Lower	Upper
91	100		
126	16.6	13.5	20.3
128	5.3	4.3	6.5





#67

sec-Butylbenzene

Concen: 11.120 ppbv

RT: 17.45 min Scan# 4515

Delta R.T. -0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tot Ion:105 Resp: 4123983

Ion Ratio Lower Upper

105 100

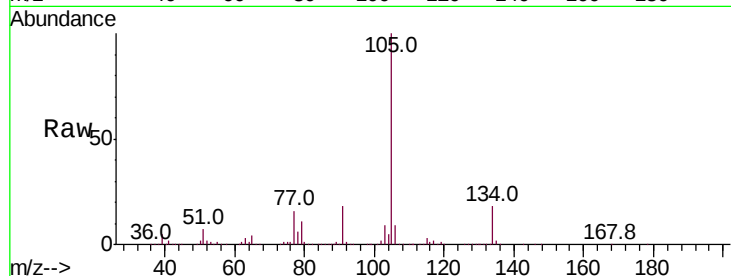
134 18.2 14.6 22.0

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Abundance Ion 105.10 (104.80 to 105.80): V

2000000 Ion 134.20 (133.90 to 134.90): V

17.45

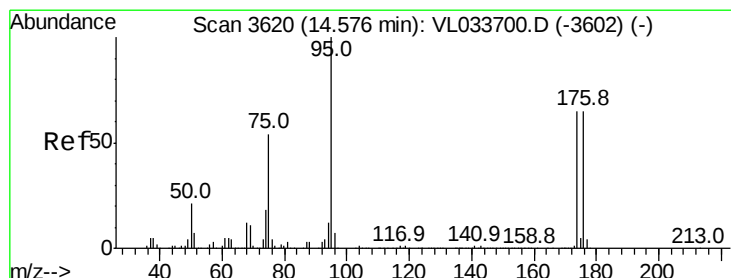
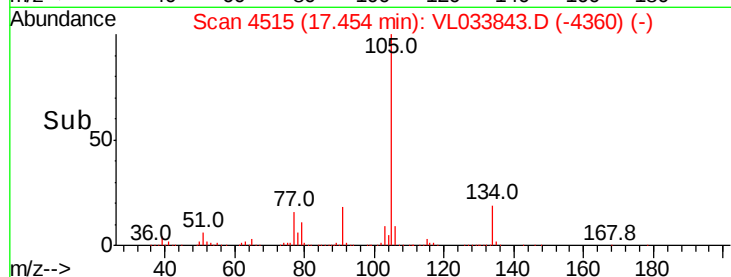
1500000

1000000

500000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.950 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

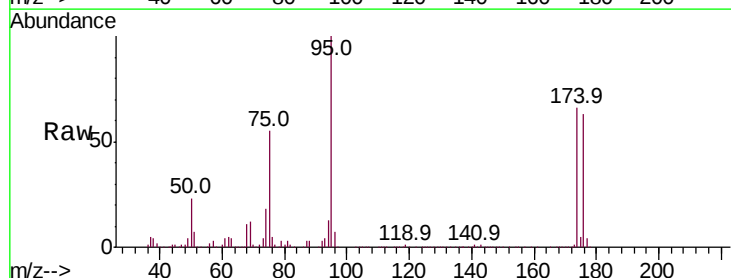
Tgt Ion: 95 Resp: 1489575

Ion Ratio Lower Upper

95 100

174 67.7 53.9 80.9

175 4.8 3.8 5.8



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

800000

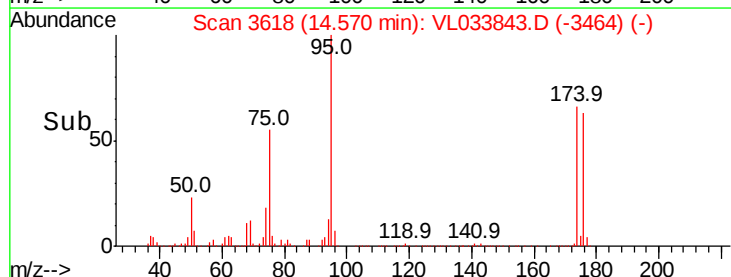
600000

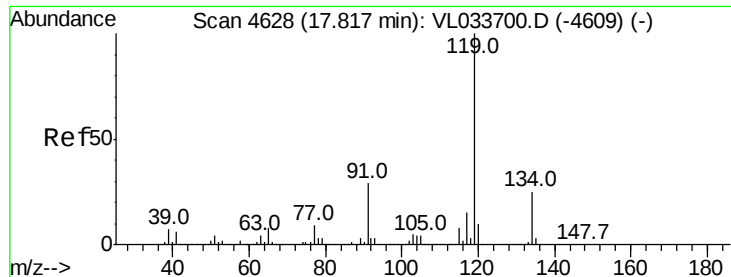
400000

200000

0

Time-->





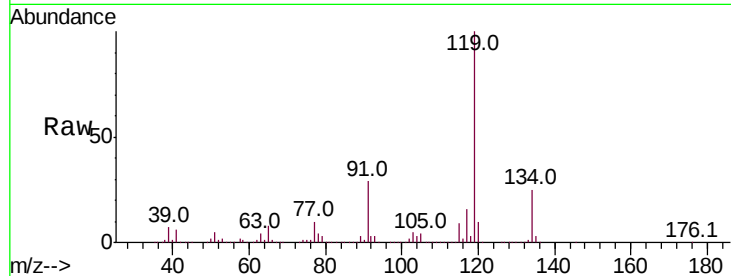
#69
 p-Isopropyltoluene
 Concen: 11.384 ppbv
 RT: 17.81 min Scan# 4626
 Delta R.T. -0.01 min
 Lab File: VL033843.D
 Acq: 29 May 2019 19:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0529ABS01

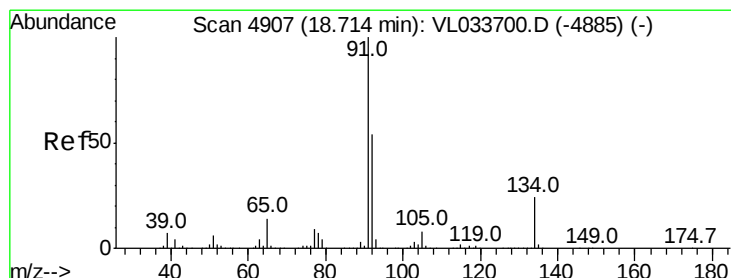
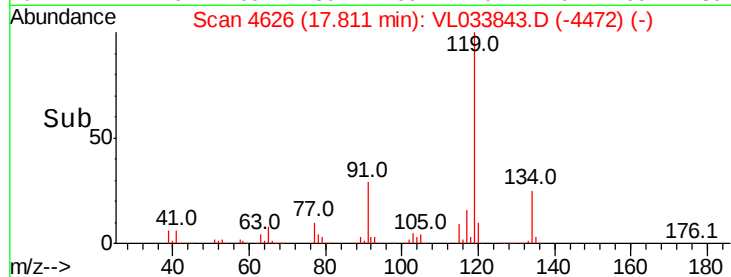
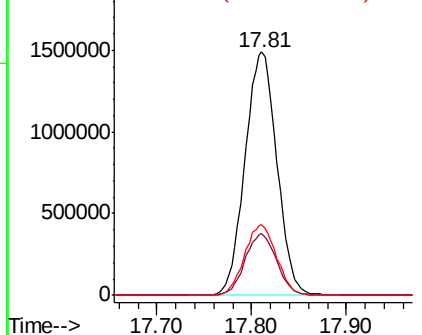
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.3	30.5
91	29.1	23.1	34.7

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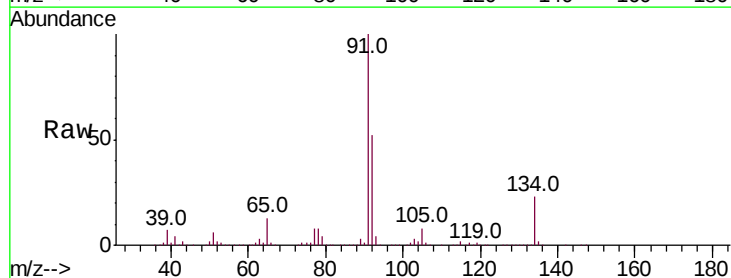


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

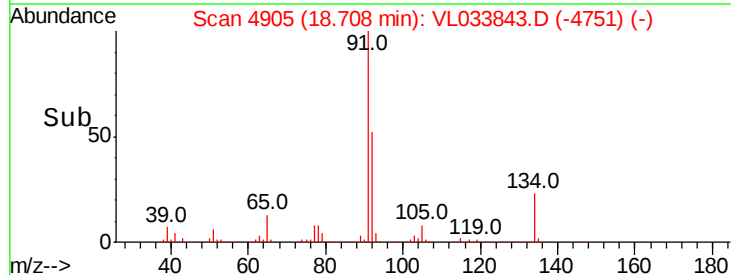
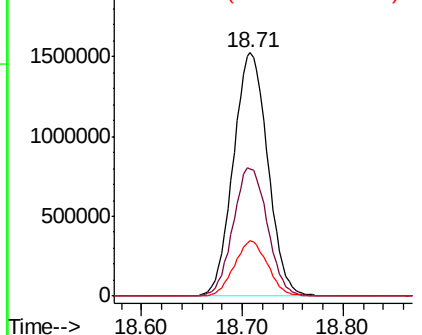


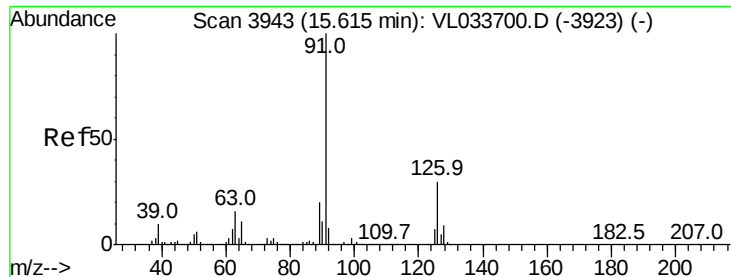
#70
 n-Butylbenzene
 Concen: 10.949 ppbv
 RT: 18.71 min Scan# 4905
 Delta R.T. -0.01 min
 Lab File: VL033843.D
 Acq: 29 May 2019 19:29

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.7	42.6	63.8
134	22.2	18.1	27.1



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





#71

2-Chlorotoluene

Concen: 11.699 ppbv

RT: 15.61 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tot Ion: 91 Resp: 2519000

Ion Ratio Lower Upper

91 100

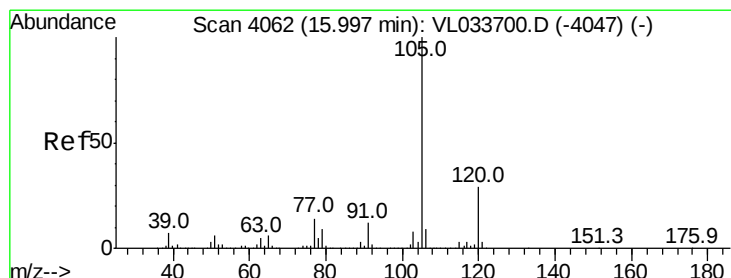
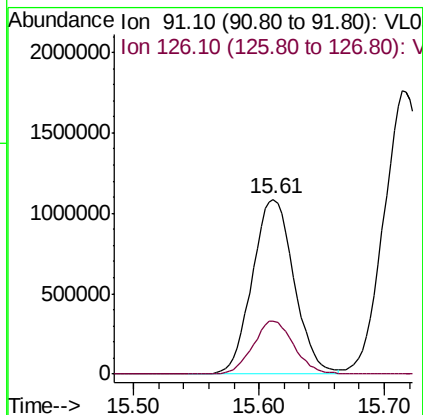
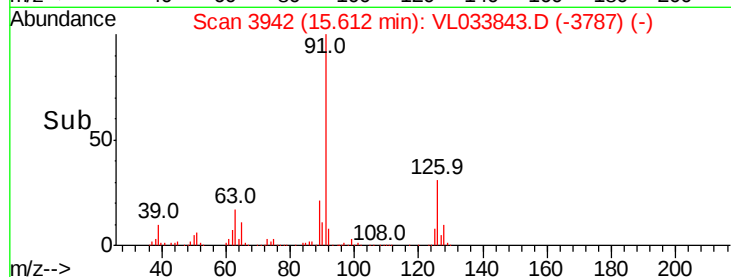
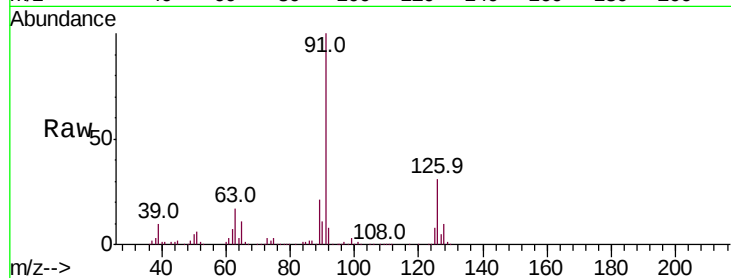
126 30.2 12.0 47.8

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#72

4-Ethyltoluene

Concen: 11.988 ppbv

RT: 15.99 min Scan# 4061

Delta R.T. -0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Tgt Ion:105 Resp: 2953779

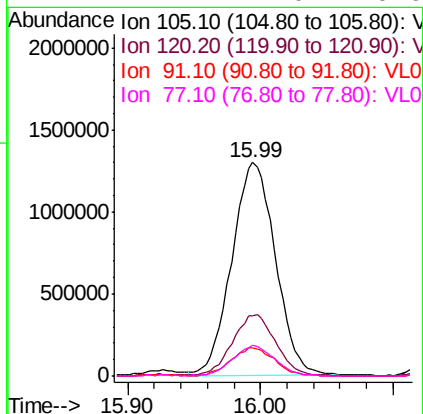
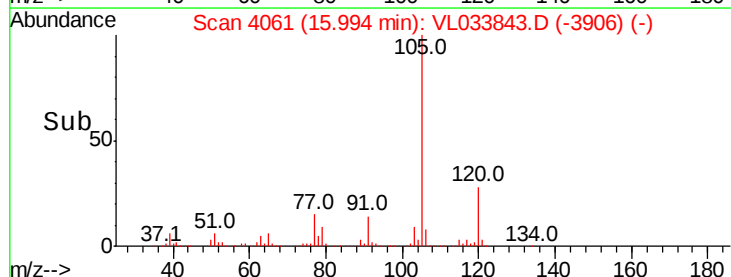
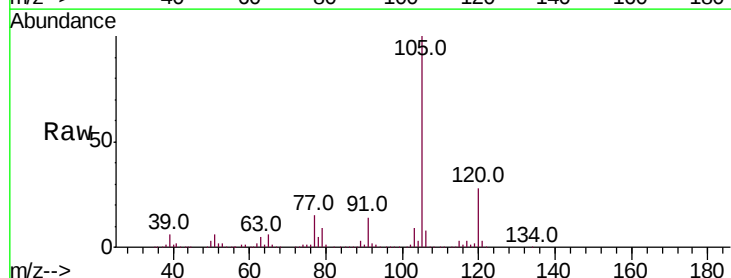
Ion Ratio Lower Upper

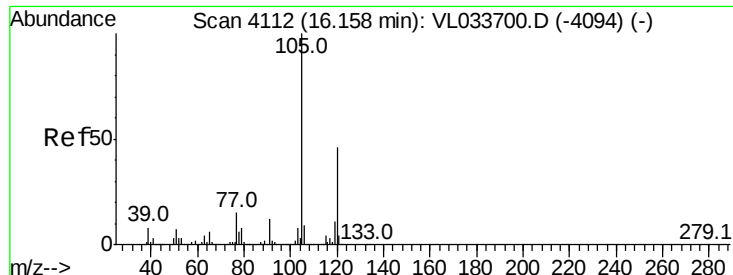
105 100

120 29.0 23.1 34.7

91 13.3 10.4 15.6

77 14.2 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 11.794 ppbv

RT: 16.15 min Scan# 4110

Delta R.T. -0.01 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Instrument :

MSVOA_L

ClientSampled :

VL0529ABS01

Tot Ion:105 Resp: 2835238

Ion Ratio Lower Upper

105 100

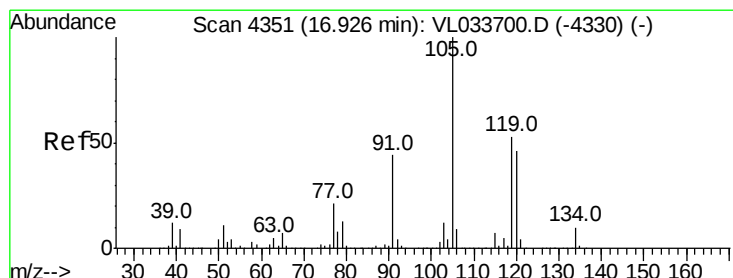
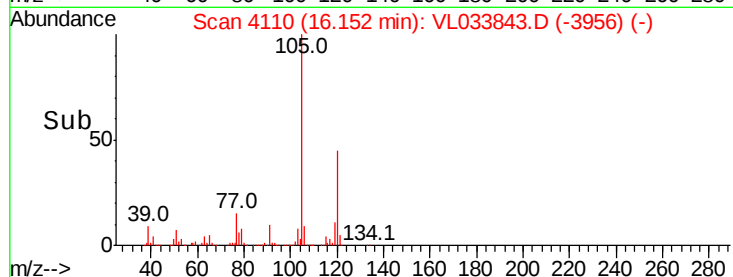
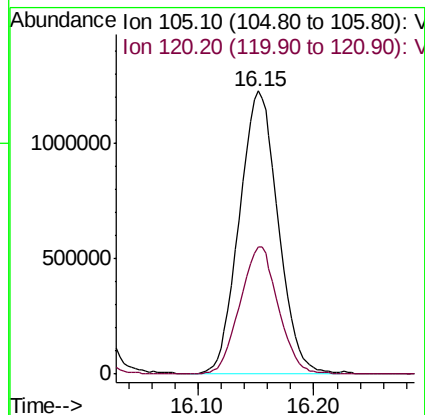
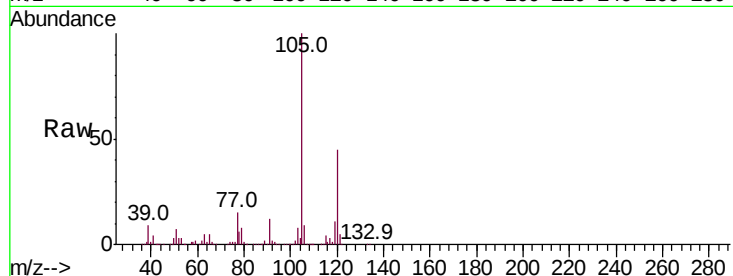
120 45.2 37.0 55.4

Manual Integrations

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#74

1,2,4-Trimethylbenzene

Concen: 11.398 ppbv

RT: 16.92 min Scan# 4350

Delta R.T. -0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Tgt Ion:105 Resp: 2982040

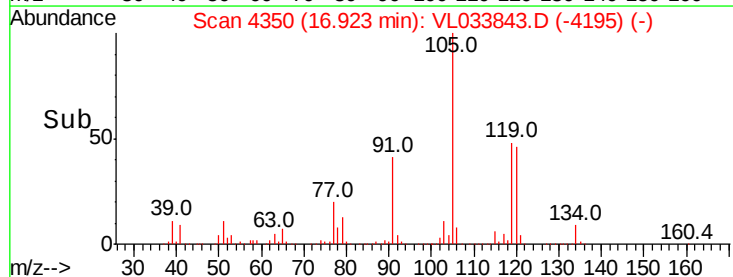
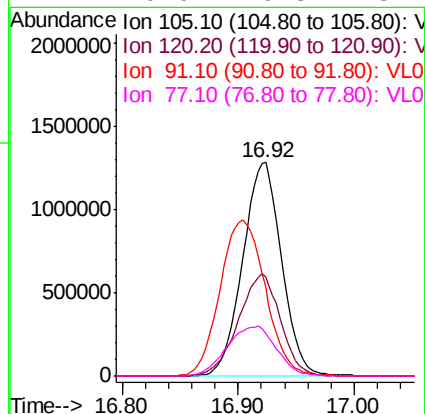
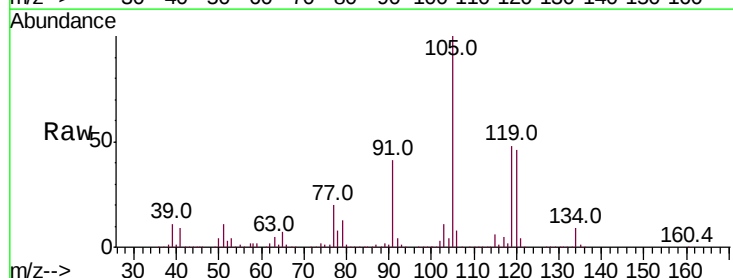
Ion Ratio Lower Upper

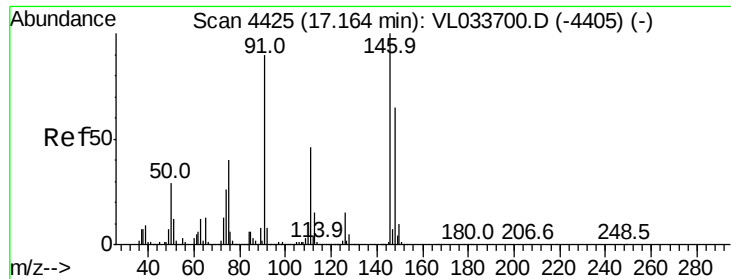
105 100

120 45.9 36.8 55.2

91 41.0 35.4 53.0

77 19.9 16.8 25.2





#75

1,3-Dichlorobenzene

Concen: 10.486 ppbv

RT: 17.16 min Scan# 4424

Delta R.T. -0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Instrument :

MSVOA_L

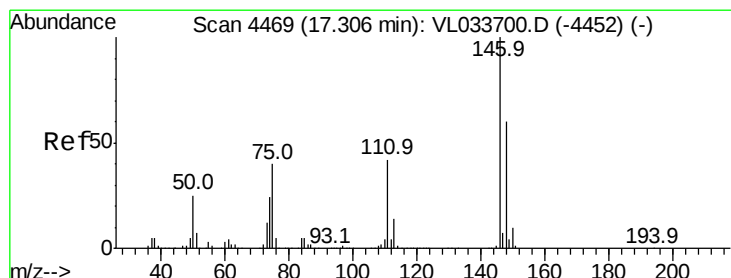
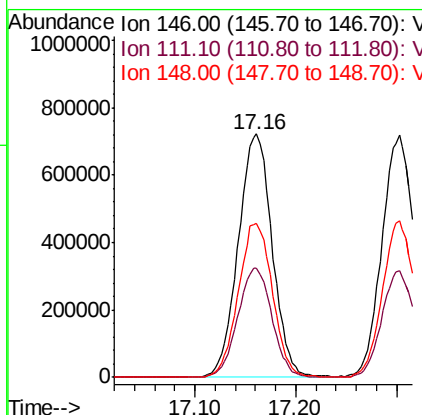
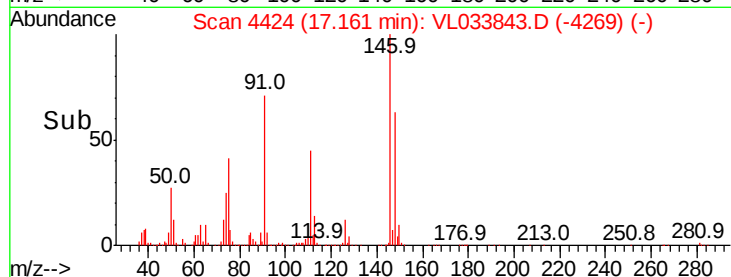
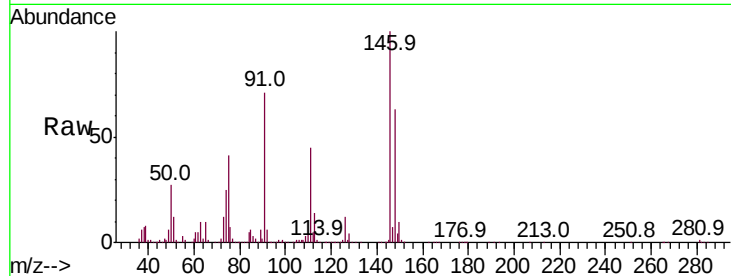
ClientSampleId :

VL0529ABS01

Tot Ion:	146	Resp:	1681177
Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.9	68.8
148	64.0	32.0	96.2

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 10.749 ppbv

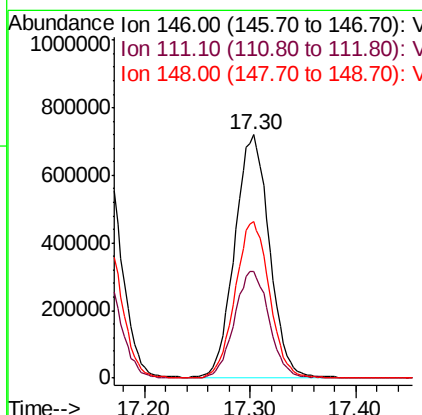
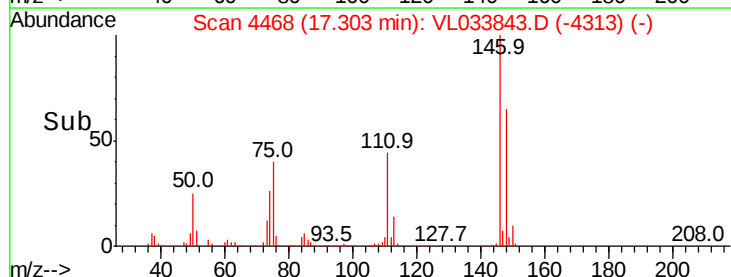
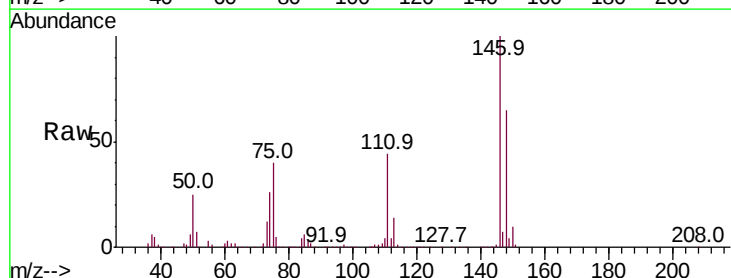
RT: 17.30 min Scan# 4468

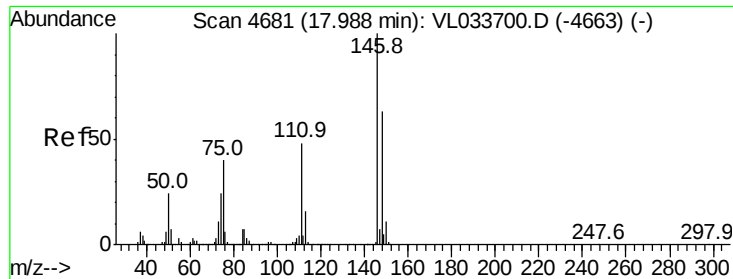
Delta R.T. -0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Tgt Ion:	146	Resp:	1637898
Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.9	65.8
148	64.3	32.1	96.3





#77

1,2-Dichlorobenzene

Concen: 10.569 ppbv

RT: 17.98 min Scan# 4680

Delta R.T. -0.00 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Instrument :

MSVOA_L

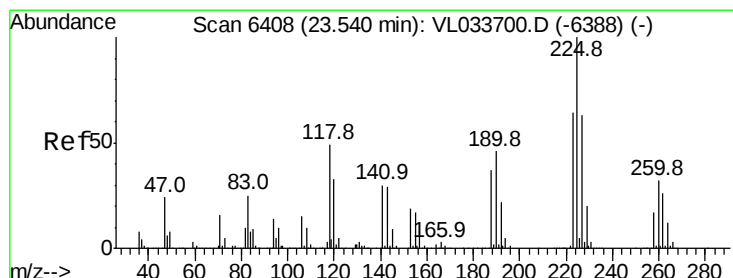
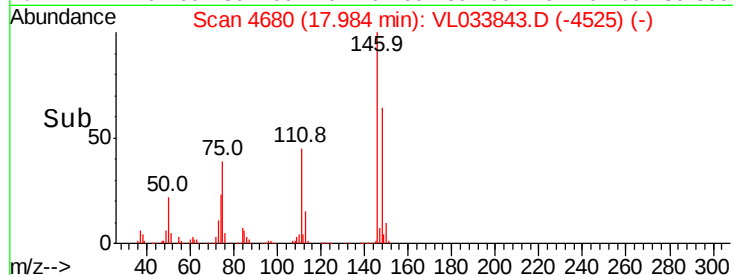
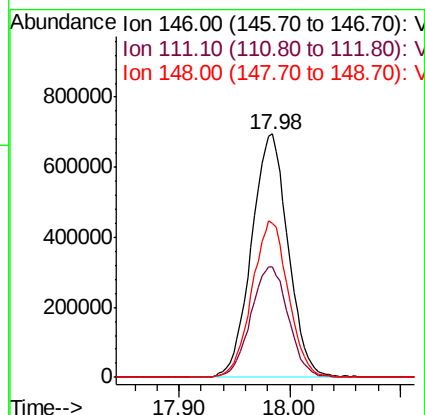
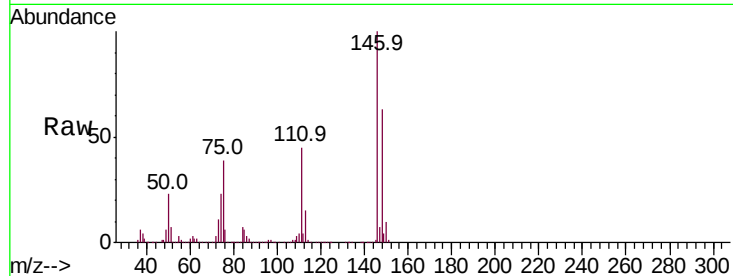
ClientSampleId :

VL0529ABS01

Tot Ion:	146	Resp:	1592143
Ion Ratio	Lower	Upper	
146	100		
111	46.8	23.5	70.5
148	64.1	32.1	96.3

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#78

Hexachloro-1,3-Butadiene

Concen: 8.303 ppbv

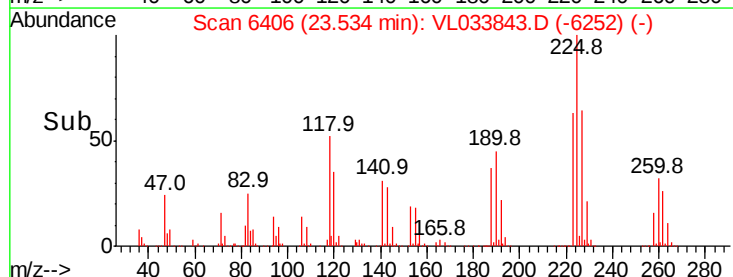
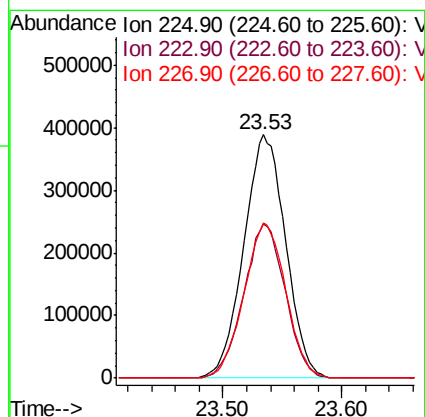
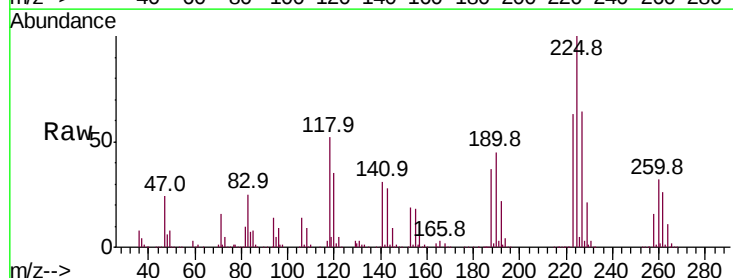
RT: 23.53 min Scan# 6406

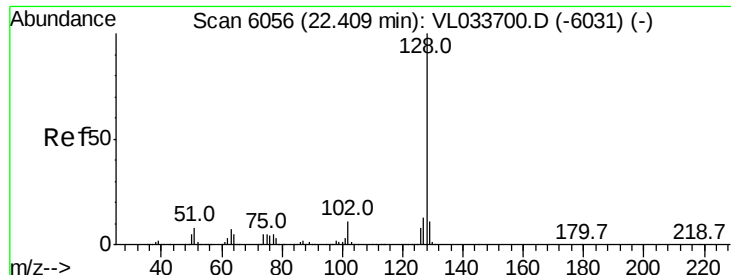
Delta R.T. -0.01 min

Lab File: VL033843.D

Acq: 29 May 2019 19:29

Tgt Ion:	225	Resp:	945705
Ion Ratio	Lower	Upper	
225	100		
223	62.9	50.2	75.4
227	63.5	50.7	76.1





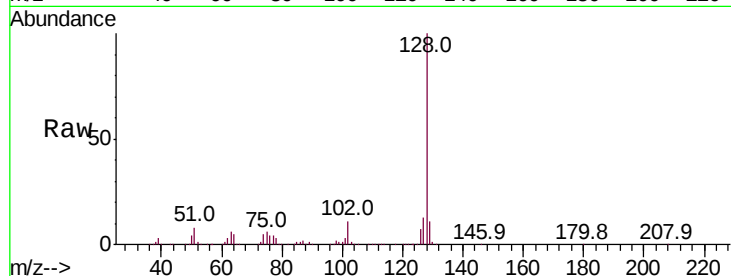
#79
Naphthalene
Concen: 8.625 ppbv
RT: 22.40 min Scan# 6054
Delta R.T. -0.01 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	16.0
129	10.7	8.9	13.3

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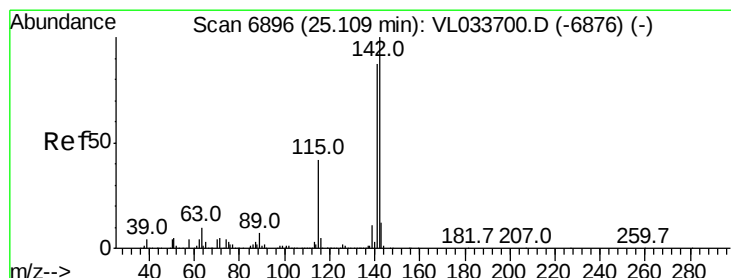
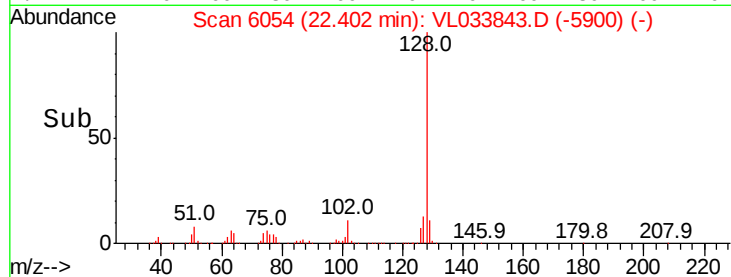
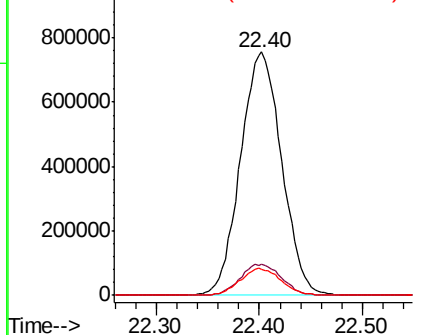


Abundance

Ion 128.10 (127.80 to 128.80): V

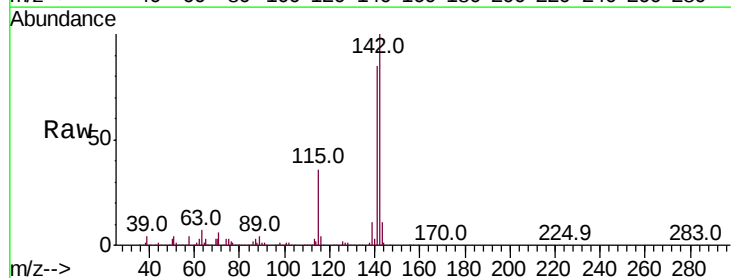
Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80
Naphthalene, 2-methyl-
Concen: 6.701 ppbv
RT: 25.11 min Scan# 6895
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.8	67.2	100.8
115	36.9	34.1	51.1

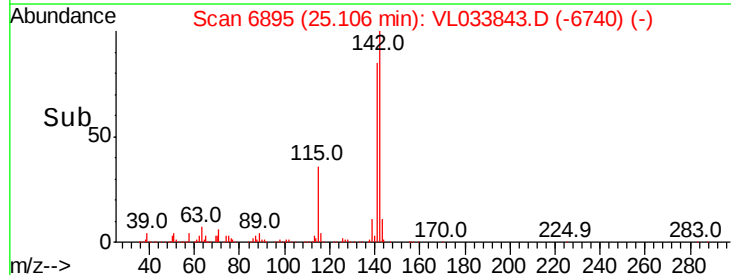
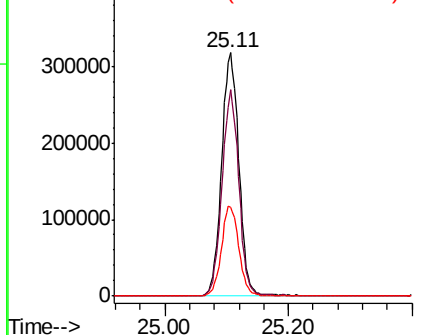


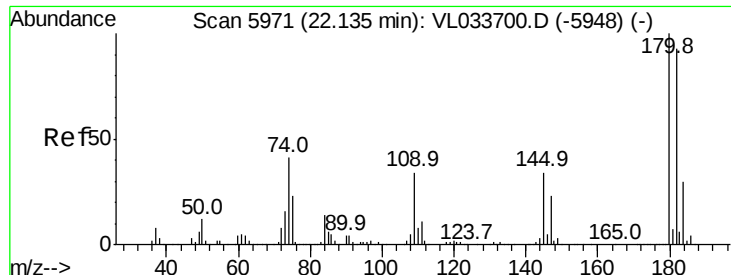
Abundance

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: 8.638 ppbv
 RT: 22.13 min Scan# 5968
 Delta R.T. -0.01 min
 Lab File: VL033843.D
 Acq: 29 May 2019 19:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0529ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.1	114.1
184	30.8	24.6	37.0

Manual Integrations
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