

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052819\
 Data File : VL033801.D
 Acq On : 28 May 2019 11:46
 Operator : SY/AP
 Sample : VL0528ABS01DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

Manual Integrations
 APPROVED

apatel
 5/29/2019 12:39:56 PM

Quant Time: May 29 04:50:41 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	999366	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2414602	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2425327m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1975707	10.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	1427533	6.778	ppbv	98
3) Chlorodifluoromethane	3.01	51	1038997	9.076	ppbv	100
4) Chloromethane	3.17	50	607222	9.274	ppbv	99
5) Vinyl Chloride	3.29	62	617184	9.254	ppbv	100
6) Bromomethane	3.51	94	376331	9.248	ppbv	99
7) Chloroethane	3.60	64	220094	9.286	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1555680	9.162	ppbv	100
9) Propene	3.03	41	470506	9.663	ppbv	98
10) Heptane	8.24	43	1293945	9.385	ppbv	100
11) Trichlorofluoromethane	4.00	101	1800356	8.957	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1253989	8.933	ppbv	99
13) Ethanol	3.65	45	105828	6.725	ppbv	100
14) Bromoethene	3.78	108	504354	9.774	ppbv	98
15) Acetone	3.90	43	1111583	8.017	ppbv	99
16) 1,3-Butadiene	3.36	39	542008	9.816	ppbv	100
17) tert-Butyl alcohol	4.35	59	1149364	10.251	ppbv	100
18) 1,1-Dichloroethene	4.35	96	559697	9.447	ppbv	98
19) Isopropyl Alcohol	4.02	45	845229	9.454	ppbv	100
20) Methylene Chloride	4.40	84	472731	8.855	ppbv	98
21) Allyl Chloride	4.47	41	819748	9.478	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	574376	9.458	ppbv	96
23) Vinyl Acetate	5.15	43	1756294	9.607	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1251900	9.008	ppbv	99
25) Ethyl Acetate	5.76	43	2262579	9.289	ppbv	100
26) Hexane	5.77	57	1006503	9.612	ppbv	99
27) Carbon Disulfide	4.62	76	1393670	9.701	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1648389	9.656	ppbv	99
29) Chloroform	5.84	83	1712913	8.881	ppbv	100
30) Cyclohexane	7.24	84	859105	9.759	ppbv	99
31) cis-1,2-Dichloroethene	5.63	61	985221	9.489	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1679621	8.721	ppbv	99
34) 2-Butanone	5.32	43	1388012	9.274	ppbv	99
35) Carbon Tetrachloride	7.13	117	1814074	9.379	ppbv	99
36) Benzene	7.00	78	2023386	9.212	ppbv	98
37) 1,2-Dichloroethane	6.41	62	1224513	8.642	ppbv	100
38) Trichloroethene	7.96	130	873501	10.717	ppbv	98
39) 1,2-Dichloropropane	7.73	63	788297	9.626	ppbv	95
40) 1,4-Dioxane	7.95	88	343929	10.040	ppbv #	95
41) Tetrahydrofuran	6.14	42	776087	9.255	ppbv	99
42) Bromodichloromethane	7.91	83	1878161	9.683	ppbv	97
43) Methyl Methacrylate	8.13	69	841326	10.408	ppbv	98

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Manual Integrations
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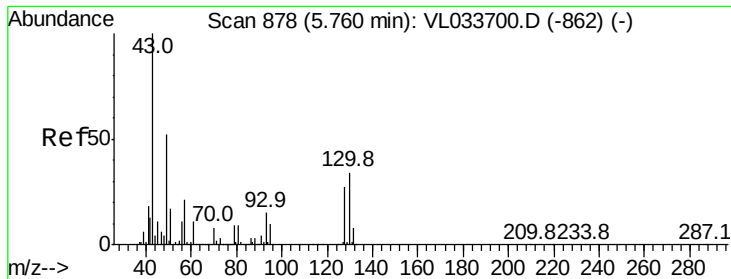
apatel
 5/29/2019 12:39:56 PM

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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	7.98	57	3558291	9.585	ppbv	100
45) t-1,3-Dichloropropene	9.41	75	1060922	10.353	ppbv	96
46) cis-1,3-Dichloropropene	8.83	75	1209412	10.079	ppbv	95
47) 1,1,2-Trichloroethane	9.61	97	836484	8.992	ppbv	96
48) Dibromochloromethane	10.44	129	1561143	9.685	ppbv	99
49) Bromoform	13.20	173	1427218	10.523	ppbv	99
50) 4-Methyl-2-Pentanone	8.86	43	2102254	9.132	ppbv	99
51) 2-Hexanone	10.26	43	1798466	10.010	ppbv #	100
52) Tetrachloroethene	11.36	164	763869	9.893	ppbv	97
53) Toluene	9.94	91	2348828	9.915	ppbv	99
54) 1,2-Dibromoethane	10.75	107	1311130	9.235	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.27	131	1029782	9.176	ppbv #	62
57) Chlorobenzene	12.29	112	1813387	9.083	ppbv	99
58) Ethyl Benzene	12.86	91	3331861	10.374	ppbv	98
59) m/p-Xylene	13.14	91	5632208m	20.061	ppbv	
60) o-Xylene	13.84	91	2705257	9.558	ppbv	100
61) Styrene	13.68	104	2006847	10.532	ppbv	100
62) Isopropylbenzene	14.82	105	3809054	9.994	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.83	83	1864911	9.061	ppbv	100
64) n-propylbenzene	15.72	120	946193	9.597	ppbv	97
65) tert-Butylbenzene	16.90	119	3437652	9.879	ppbv	100
66) Benzyl Chloride	17.15	91	1720772	10.382	ppbv	99
67) sec-Butylbenzene	17.45	105	4781621	9.817	ppbv	100
69) p-Isopropyltoluene	17.81	119	4023225	9.994	ppbv	100
70) n-Butylbenzene	18.71	91	4102406	9.503	ppbv	99
71) 2-Chlorotoluene	15.61	91	2750538	9.727	ppbv	99
72) 4-Ethyltoluene	15.99	105	3232271	9.989	ppbv	99
73) 1,3,5-Trimethylbenzene	16.15	105	3109590	9.849	ppbv	99
74) 1,2,4-Trimethylbenzene	16.92	105	3290683	9.577	ppbv	98
75) 1,3-Dichlorobenzene	17.16	146	1912475	9.083	ppbv	100
76) 1,4-Dichlorobenzene	17.30	146	1895918	9.474	ppbv	99
77) 1,2-Dichlorobenzene	17.98	146	1821408	9.206	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	1031812	6.898	ppbv	99
79) Naphthalene	22.40	128	2463953	7.720	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	664724	5.481	ppbv	95
81) 1,2,4-Trichlorobenzene	22.13	180	1442174	7.717	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.00 min

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MSVOA_L

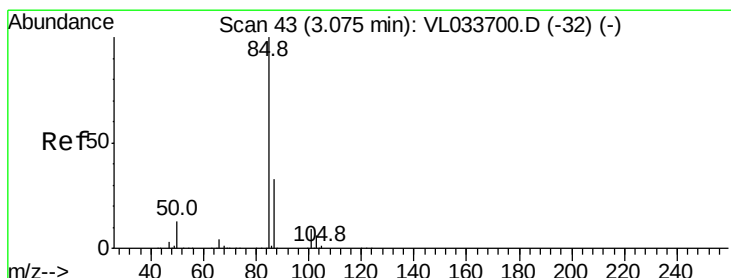
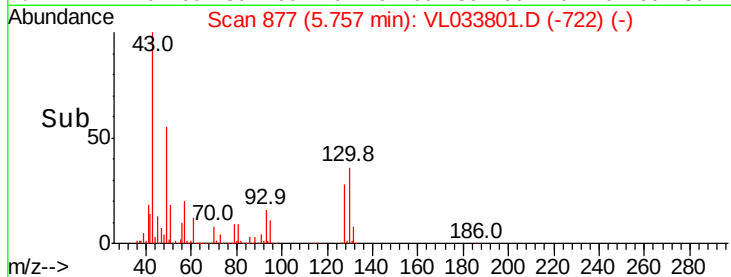
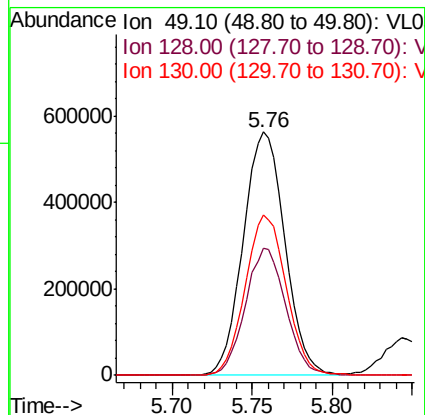
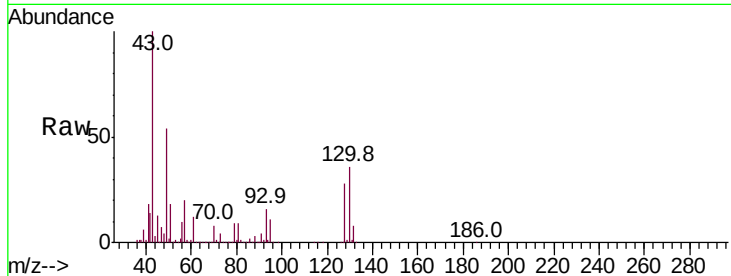
ClientSampleId :

VL0528ABS01DUP

Tot Ion:	49	Resp:	999366
Ion Ratio	Lower	Upper	
49	100		
128	50.9	25.2	75.6
130	65.3	32.5	97.5

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#2

Dichlorodifluoromethane

Concen: 6.778 ppbv

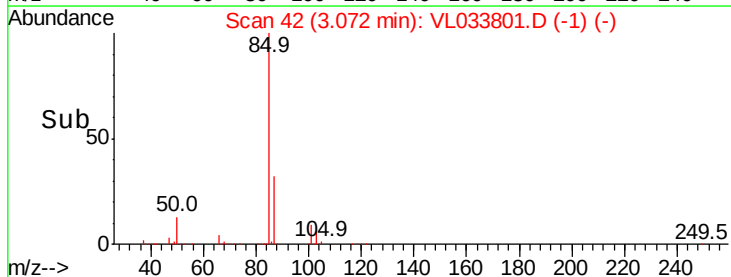
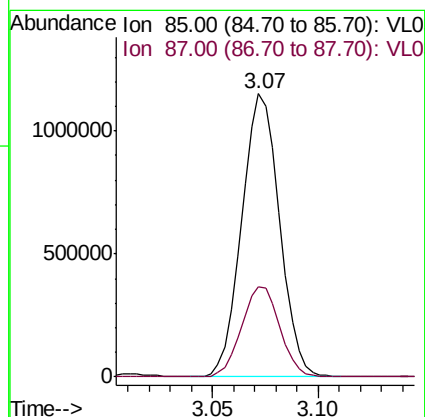
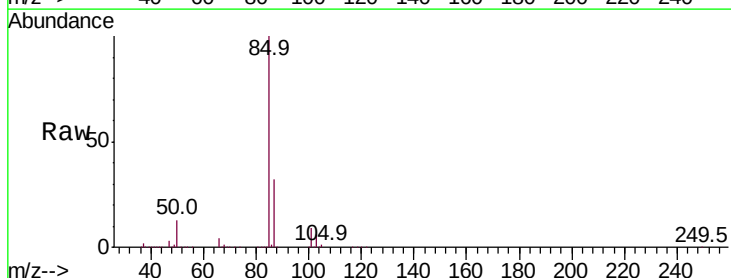
RT: 3.07 min Scan# 42

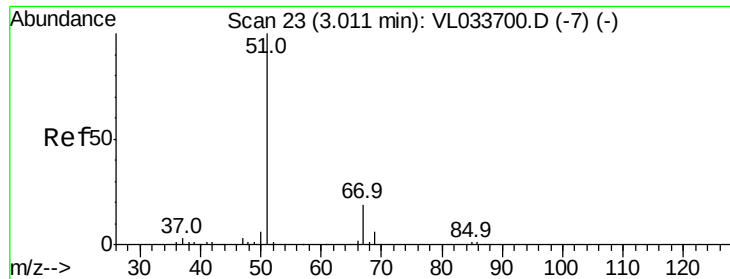
Delta R.T. -0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Tgt Ion:	85	Resp:	1427533
Ion Ratio	Lower	Upper	
85	100		
87	32.0	26.3	39.5





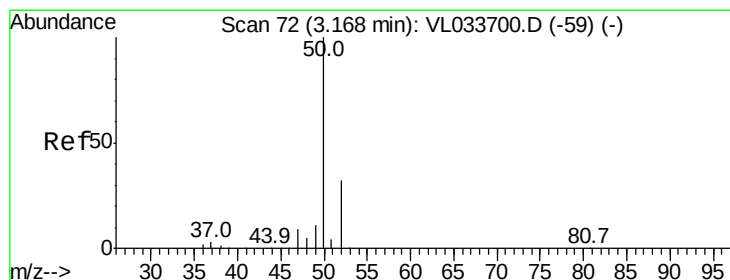
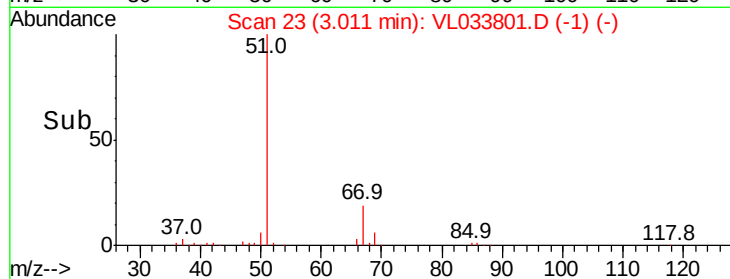
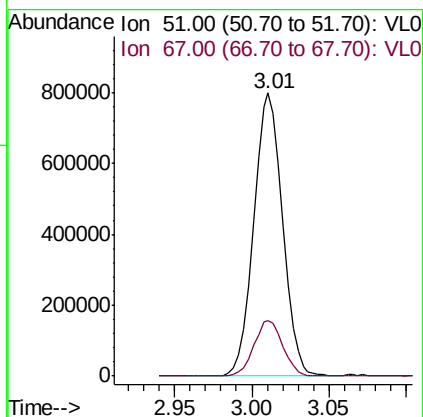
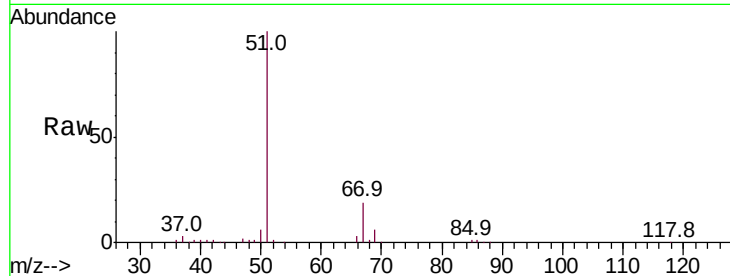
#3
Chlorodifluoromethane
Concen: 9.076 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01DUP

Tot Ion: 51 Resp: 1038997
Ion Ratio Lower Upper
51 100
67 19.7 15.6 23.4

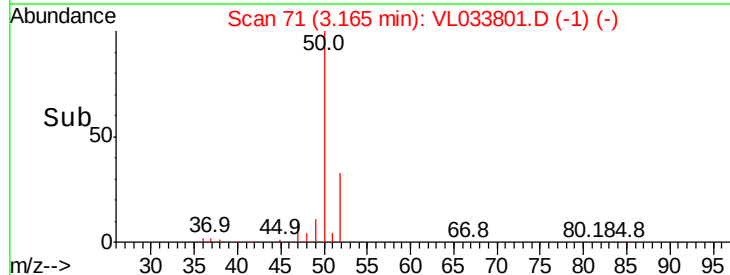
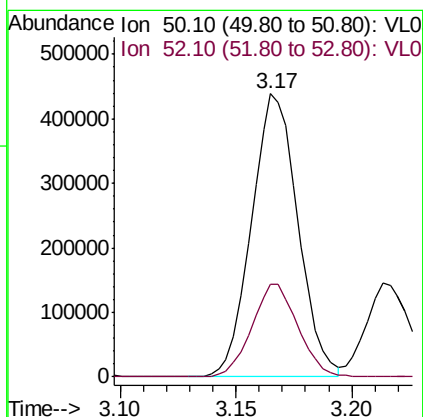
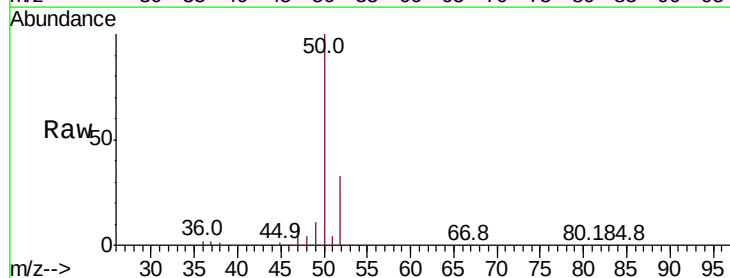
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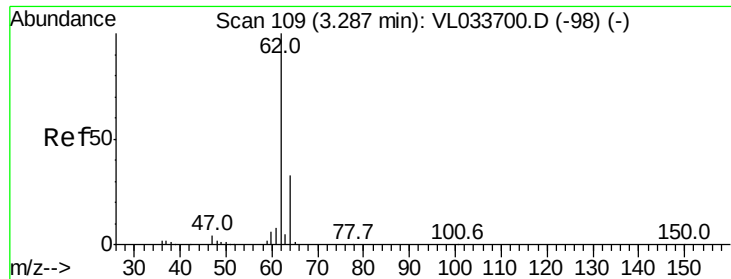
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#4
Chloromethane
Concen: 9.274 ppbv
RT: 3.17 min Scan# 71
Delta R.T. -0.00 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

Tgt Ion: 50 Resp: 607222
Ion Ratio Lower Upper
50 100
52 32.8 25.7 38.5





#5

Vinyl Chloride

Concen: 9.254 ppbv

RT: 3.29 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion: 62 Resp: 617184

Ion Ratio Lower Upper

62 100

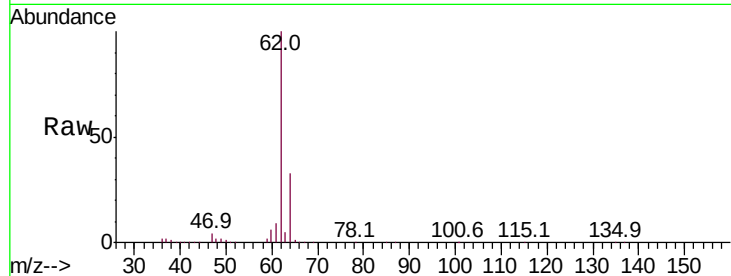
64 32.8 26.4 39.6

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.29

500000

400000

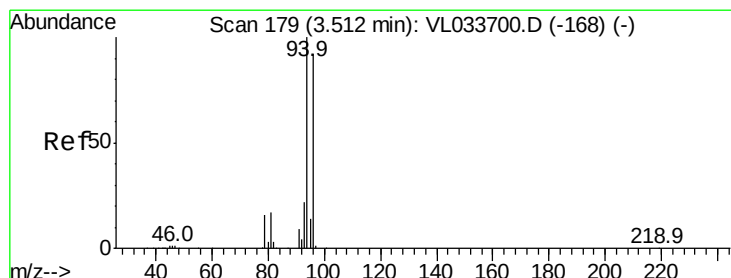
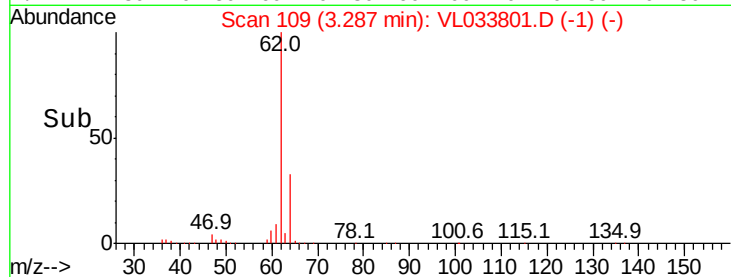
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.248 ppbv

RT: 3.51 min Scan# 178

Delta R.T. -0.00 min

Lab File: VL033801.D

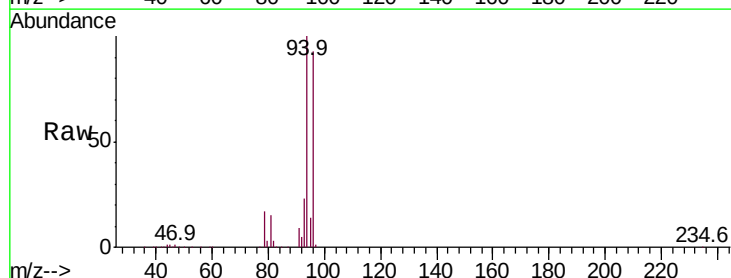
Acq: 28 May 2019 11:46

Tgt Ion: 94 Resp: 376331

Ion Ratio Lower Upper

94 100

96 93.1 73.6 110.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.51

300000

250000

200000

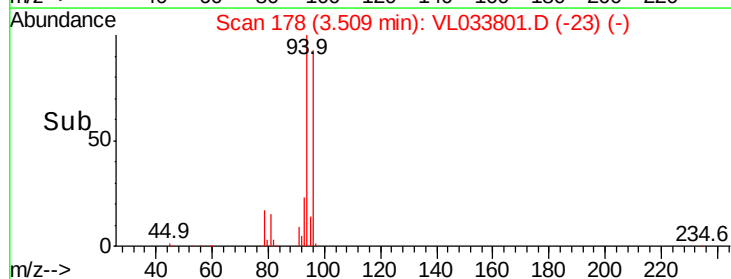
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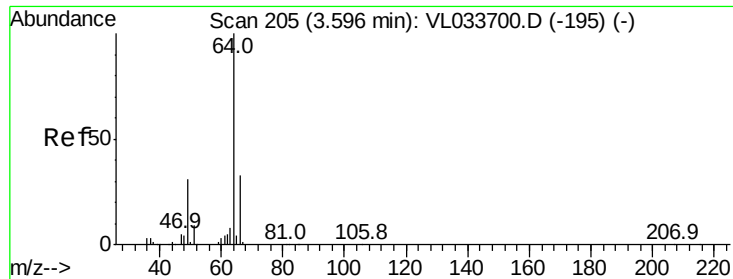
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.286 ppbv

RT: 3.60 min Scan# 205

Delta R.T. 0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion: 64 Resp: 220094

Ion Ratio Lower Upper

64 100

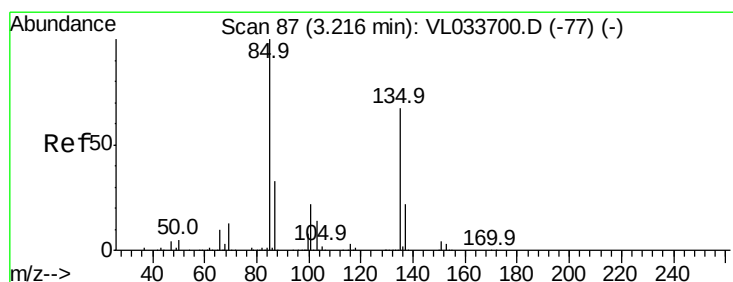
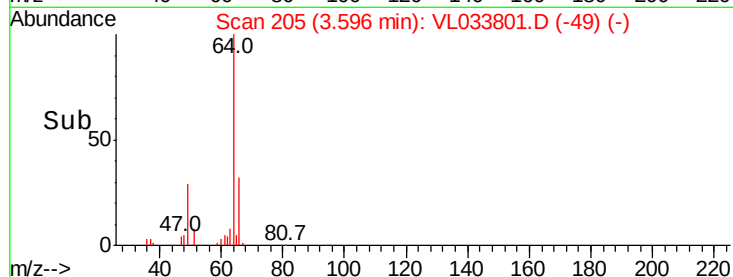
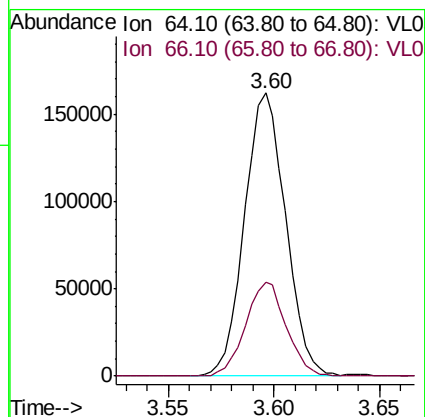
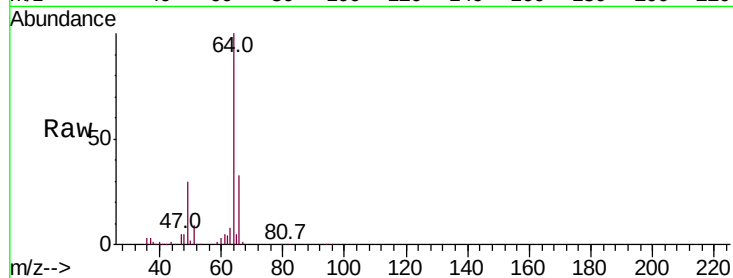
66 33.9 26.6 40.0

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#8

Dichlorotetrafluoroethane

Concen: 9.162 ppbv

RT: 3.22 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL033801.D

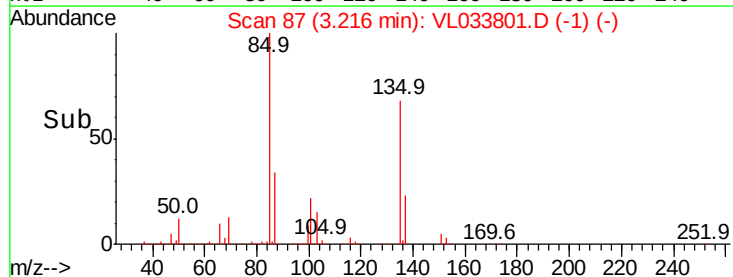
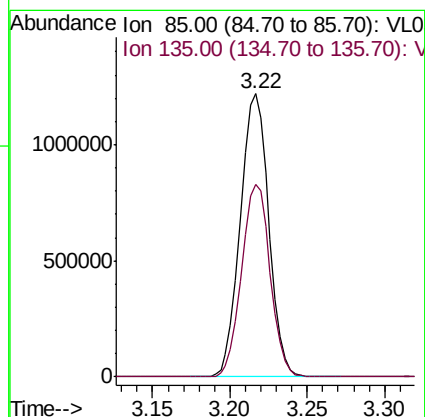
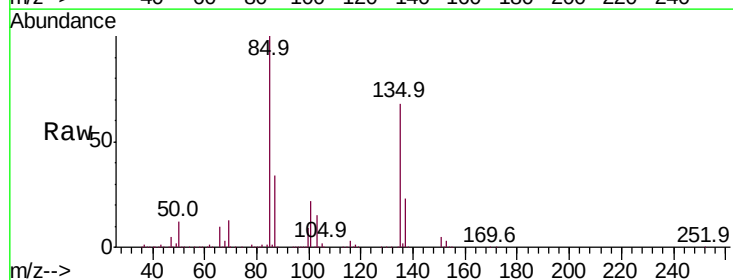
Acq: 28 May 2019 11:46

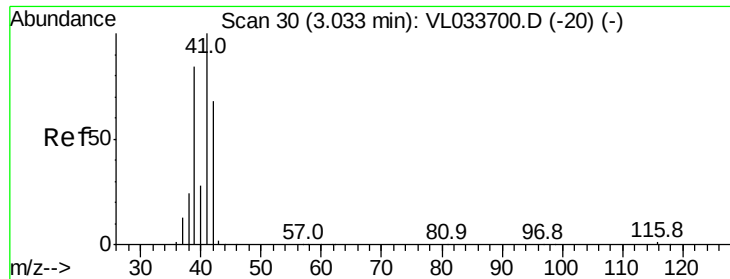
Tgt Ion: 85 Resp: 1555680

Ion Ratio Lower Upper

85 100

135 68.2 54.5 81.7





#9

Propene

Concen: 9.663 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion: 41 Resp: 470506

Ion Ratio Lower Upper

41 100

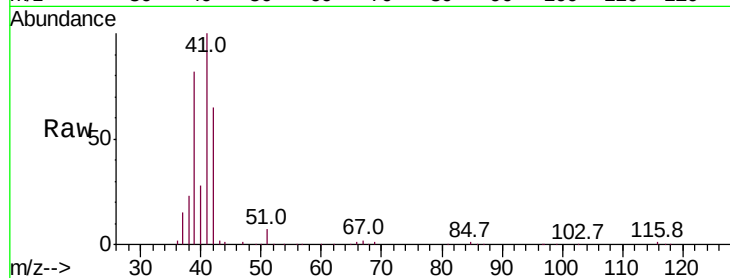
42 68.5 56.1 84.1

Manual Integrations

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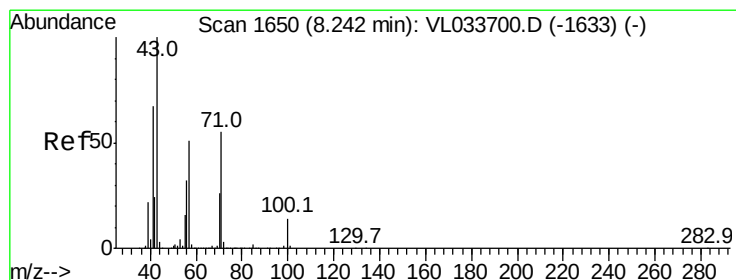
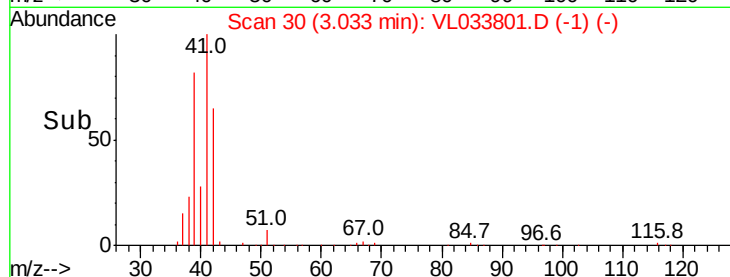
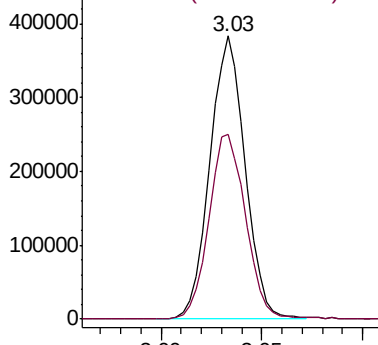
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.385 ppbv

RT: 8.24 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VL033801.D

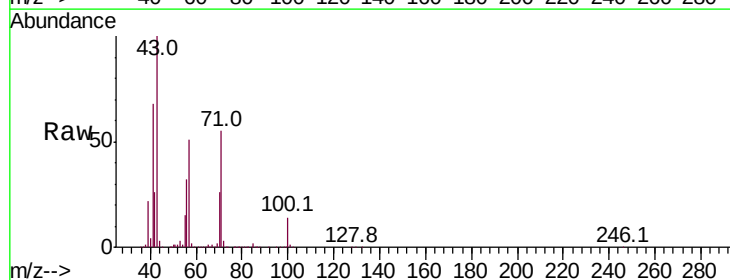
Acq: 28 May 2019 11:46

Tgt Ion: 43 Resp: 1293945

Ion Ratio Lower Upper

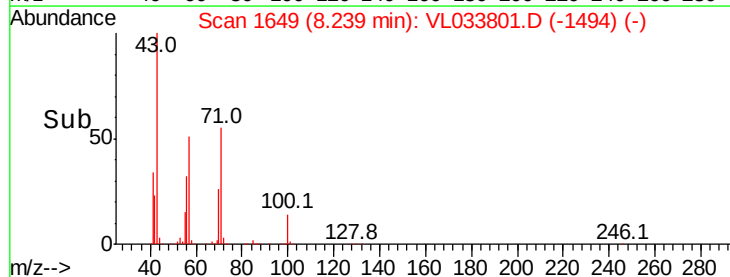
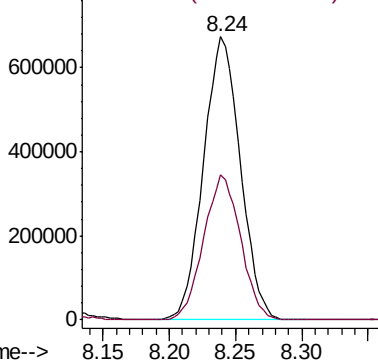
43 100

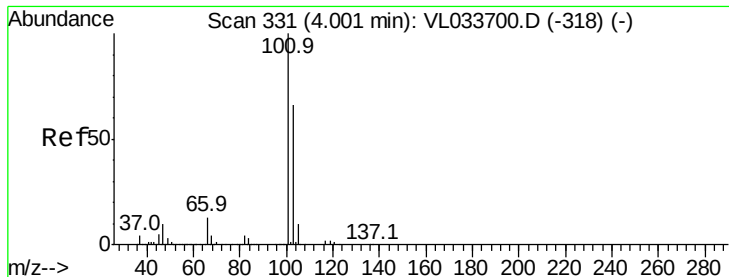
57 51.7 41.4 62.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





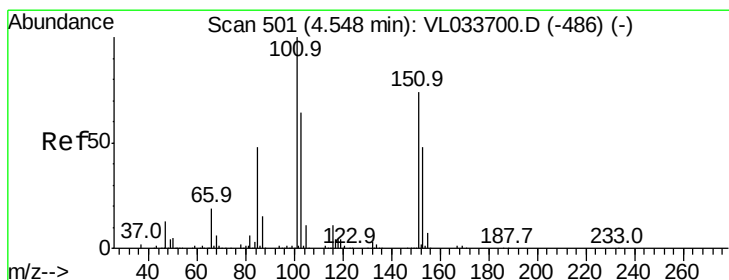
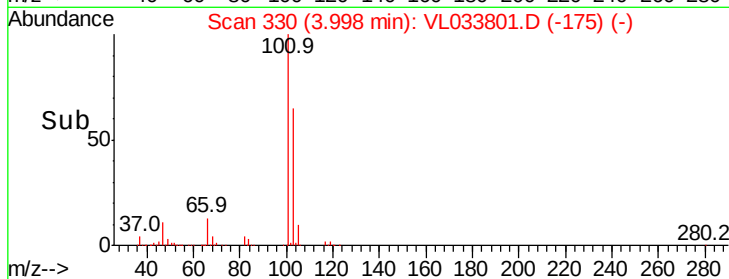
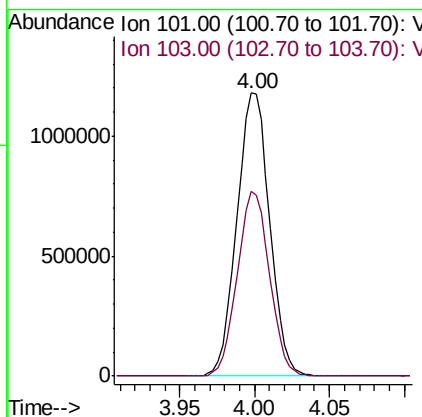
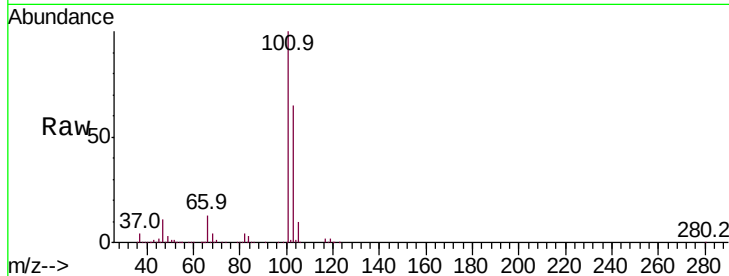
#11
 Trichlorofluoromethane
 Concen: 8.957 ppbv
 RT: 4.00 min Scan# 330
 Delta R.T. -0.00 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

Tot Ion:101 Resp: 1800356
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.6 78.8

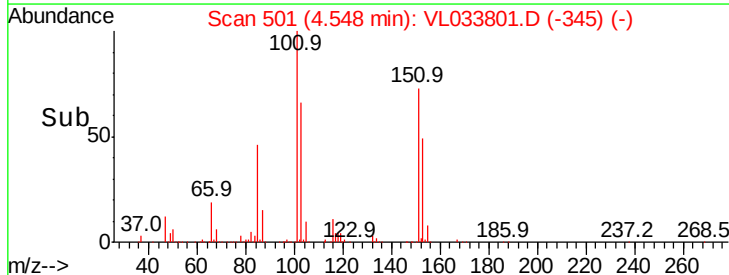
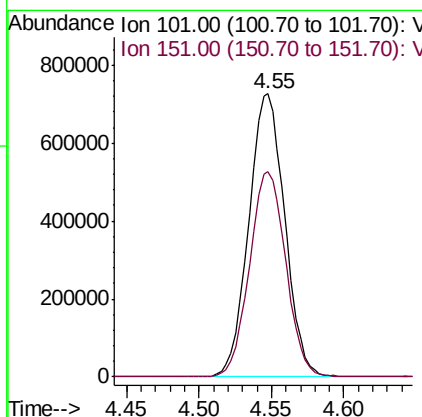
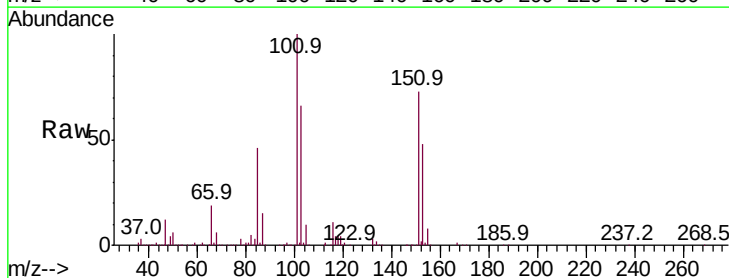
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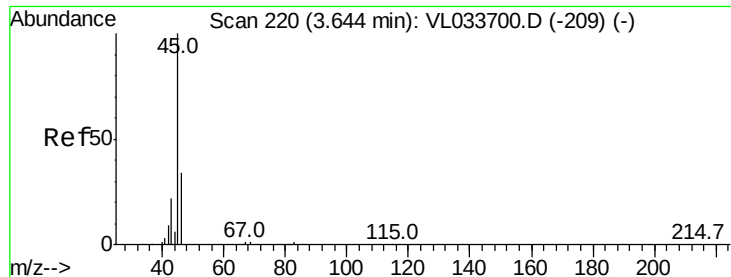
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.933 ppbv
 RT: 4.55 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Tgt Ion:101 Resp: 1253989
 Ion Ratio Lower Upper
 101 100
 151 73.3 58.2 87.4





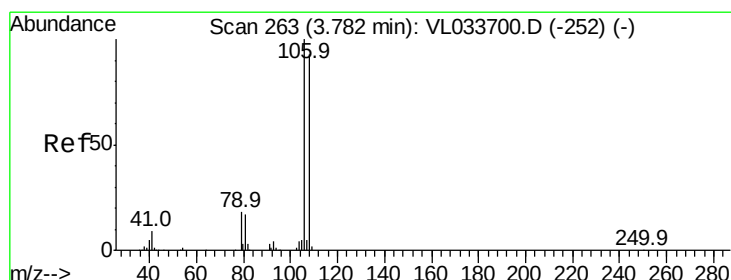
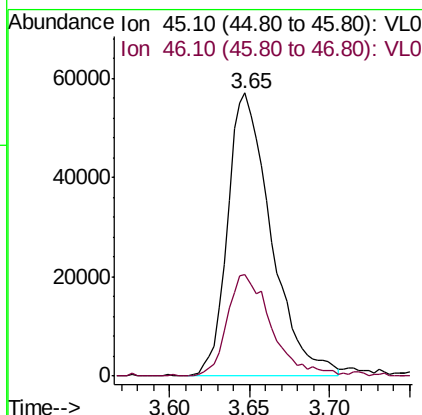
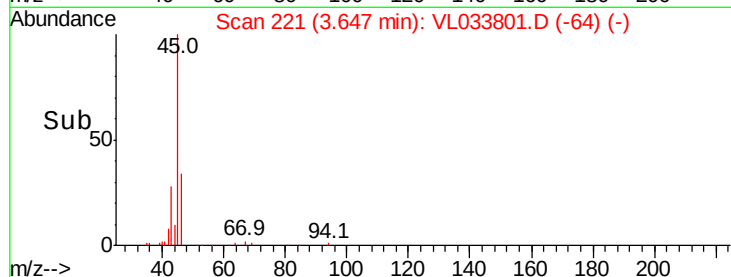
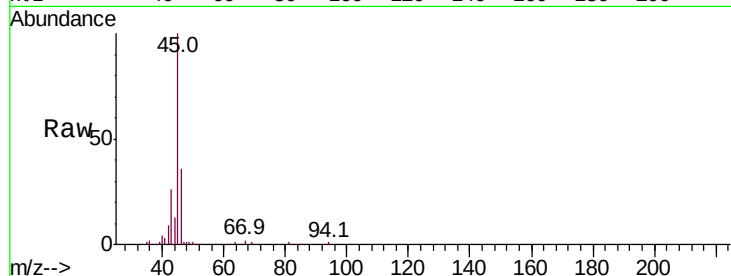
#13
Ethanol
Concen: 6.725 ppbv
RT: 3.65 min Scan# 221
Delta R.T. 0.00 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01DUP

Tot Ion: 45 Resp: 105828
Ion Ratio Lower Upper
45 100
46 37.2 14.8 59.0

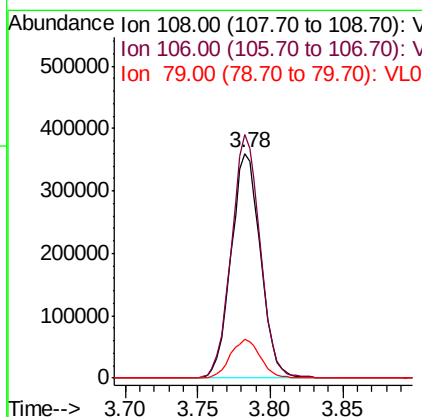
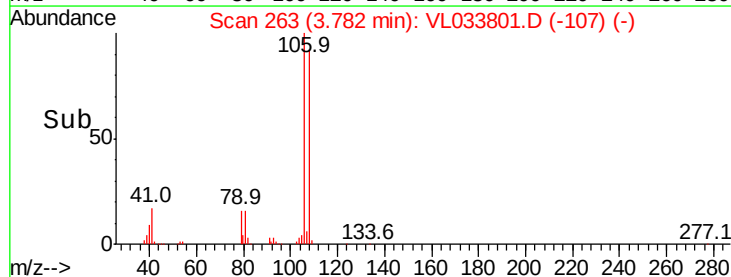
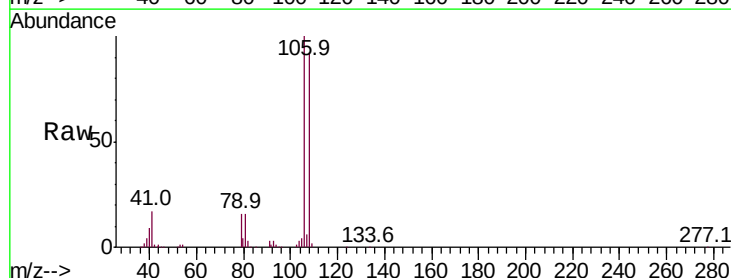
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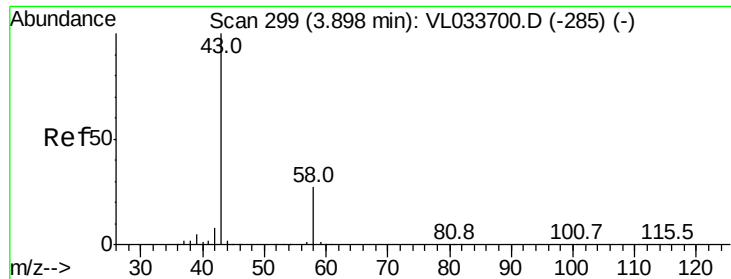
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#14
Bromoethene
Concen: 9.774 ppbv
RT: 3.78 min Scan# 263
Delta R.T. 0.00 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

Tgt Ion: 108 Resp: 504354
Ion Ratio Lower Upper
108 100
106 106.5 86.5 129.7
79 17.7 15.1 22.7





#15

Acetone

Concen: 8.017 ppbv

RT: 3.90 min Scan# 299

Delta R.T. 0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion: 43 Resp: 1111583

Ion Ratio Lower Upper

43 100

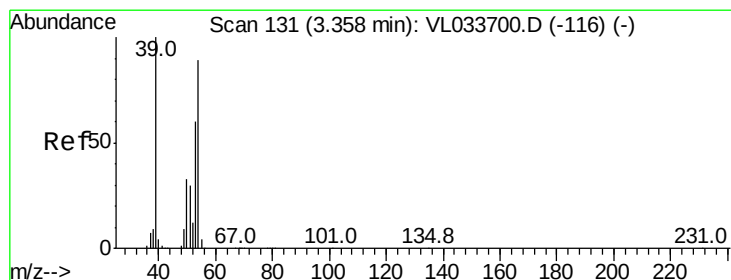
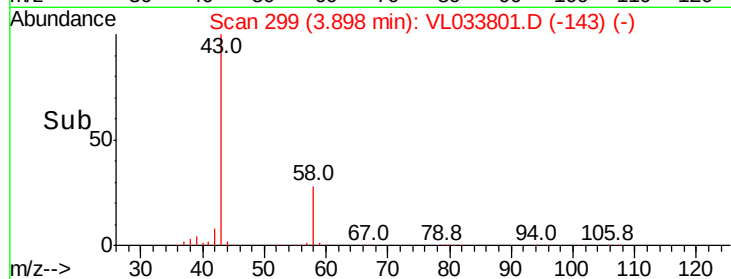
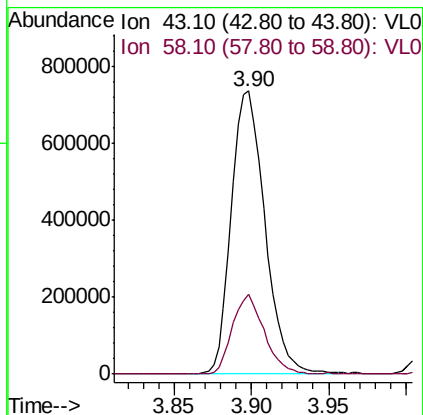
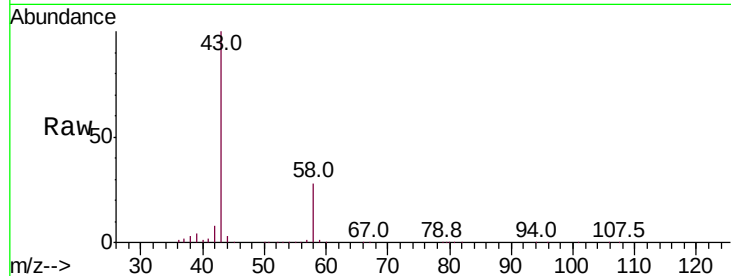
58 26.9 21.3 31.9

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#16

1,3-Butadiene

Concen: 9.816 ppbv

RT: 3.36 min Scan# 131

Delta R.T. 0.00 min

Lab File: VL033801.D

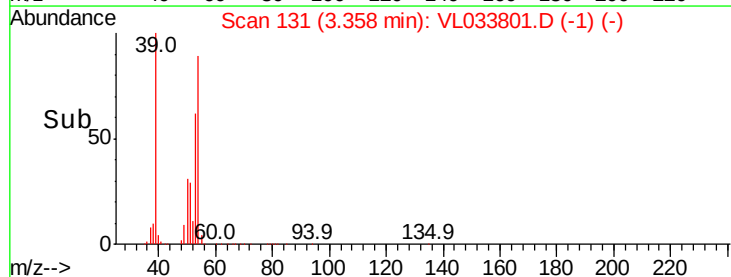
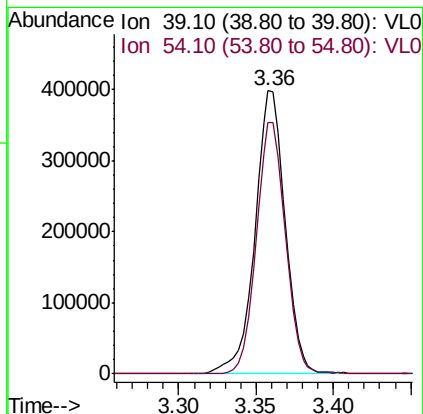
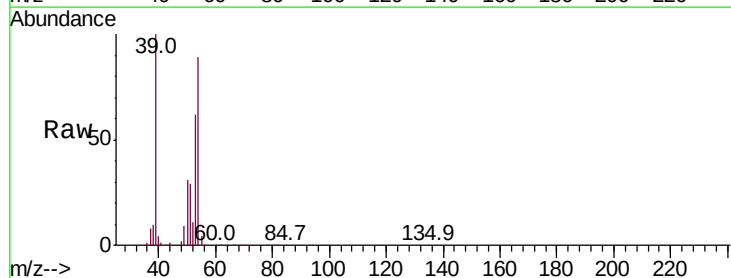
Acq: 28 May 2019 11:46

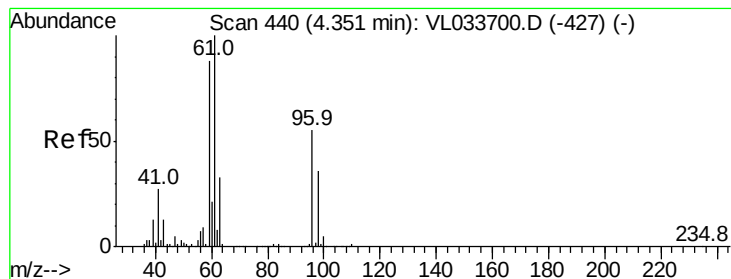
Tgt Ion: 39 Resp: 542008

Ion Ratio Lower Upper

39 100

54 86.1 69.0 103.6





#17

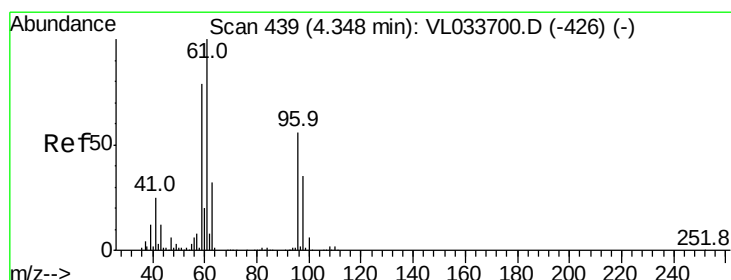
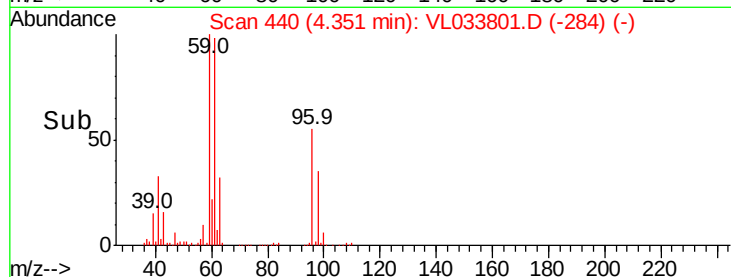
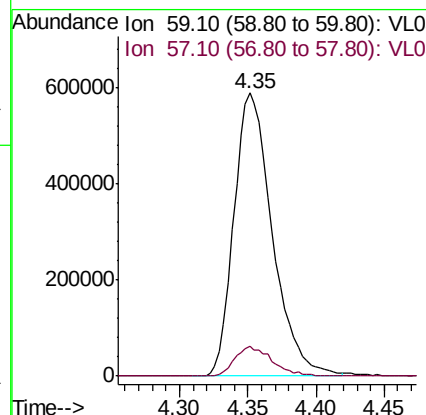
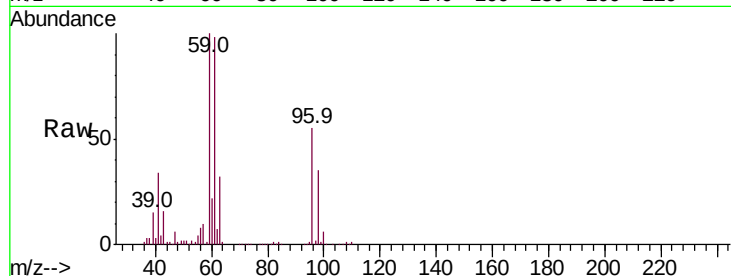
tert-Butyl alcohol
 Concen: 10.251 ppbv
 RT: 4.35 min Scan# 440
 Delta R.T. 0.00 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

Tot Ion: 59 Resp: 1149364
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.4 12.6

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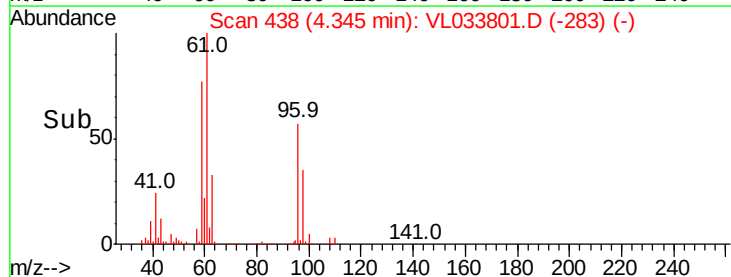
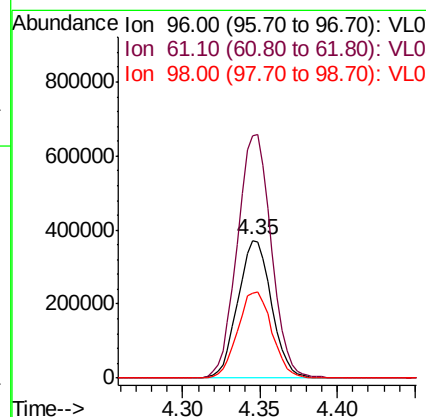
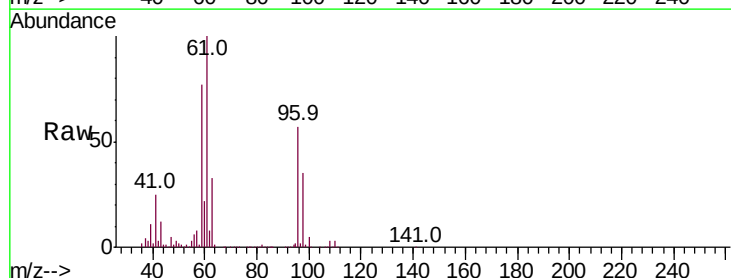
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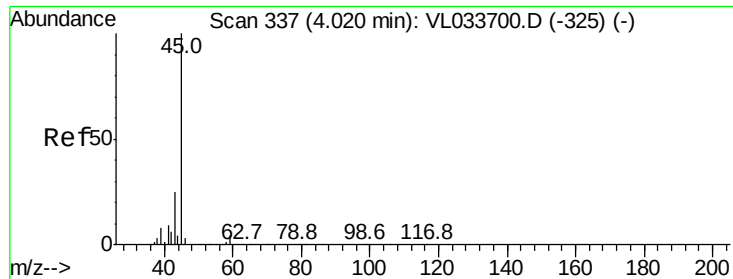


#18

1,1-Dichloroethene
 Concen: 9.447 ppbv
 RT: 4.35 min Scan# 438
 Delta R.T. -0.00 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Tgt Ion: 96 Resp: 559697
 Ion Ratio Lower Upper
 96 100
 61 176.2 143.1 214.7
 98 61.3 49.5 74.3





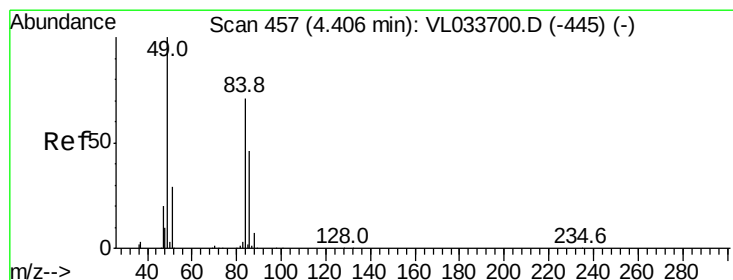
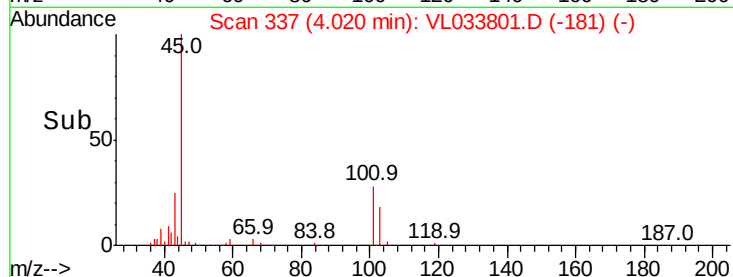
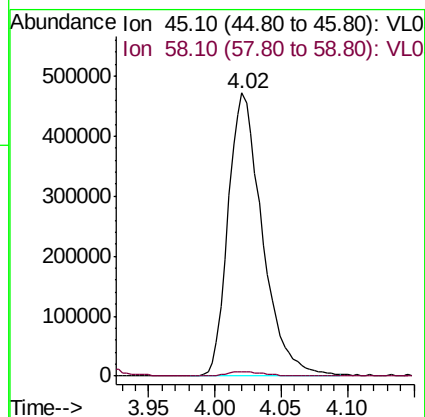
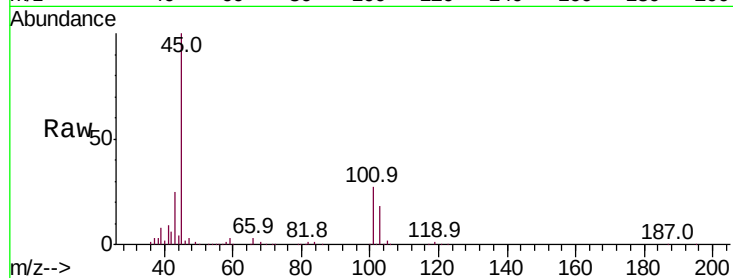
#19
Isopropyl Alcohol
Concen: 9.454 ppbv
RT: 4.02 min Scan# 337
Delta R.T. 0.00 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01DUP

Tot Ion: 45 Resp: 845229
Ion Ratio Lower Upper
45 100
58 2.2 1.6 2.4

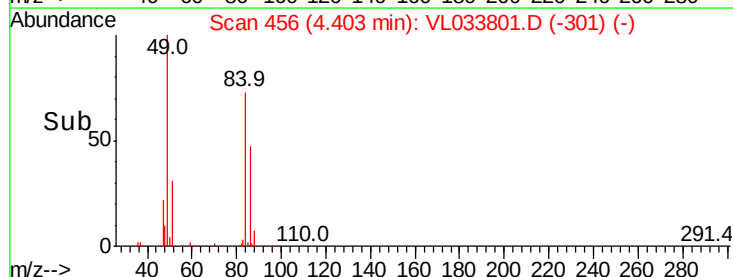
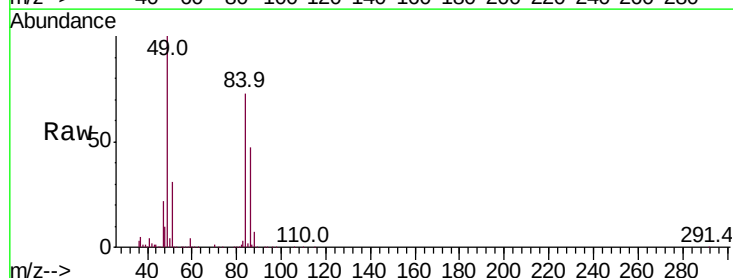
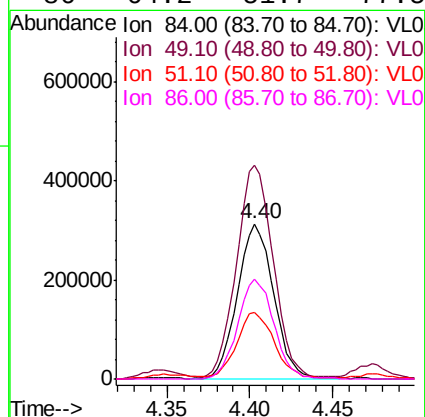
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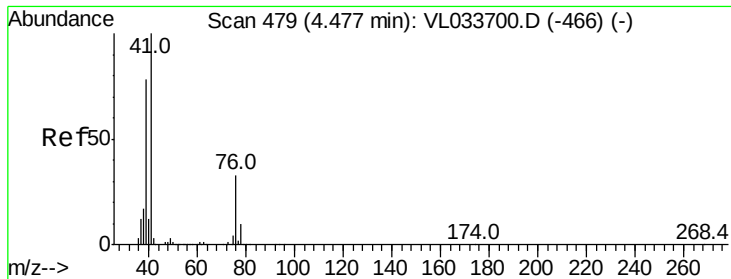
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#20
Methylene Chloride
Concen: 8.855 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

Tgt Ion: 84 Resp: 472731
Ion Ratio Lower Upper
84 100
49 136.2 112.8 169.2
51 41.9 33.4 50.0
86 64.2 51.7 77.5





#21

Allvl Chloride

Concen: 9.478 ppbv

RT: 4.47 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

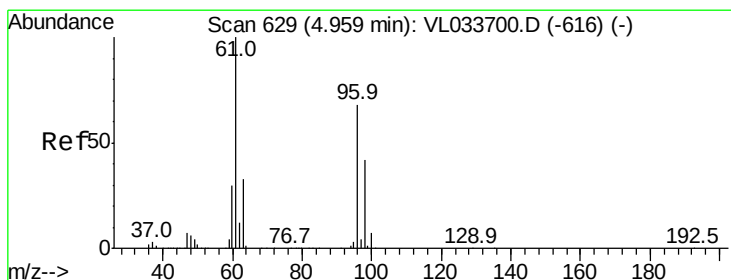
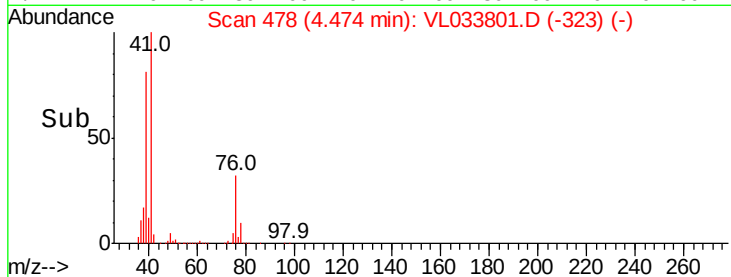
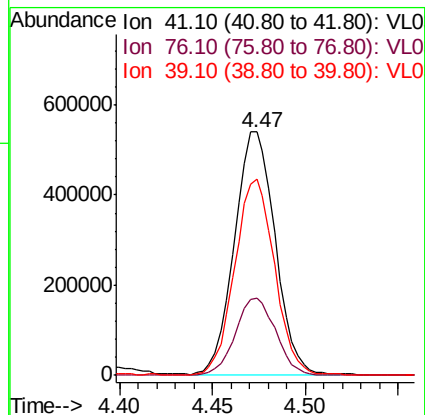
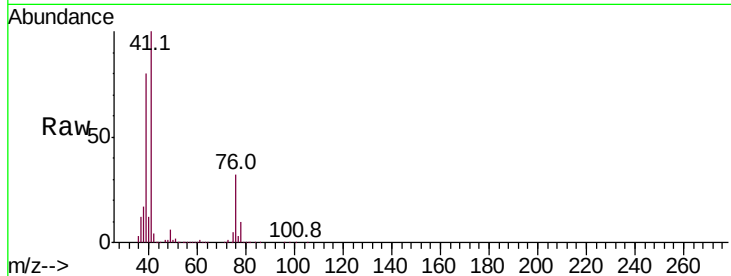
ClientSampleId :

VL0528ABS01DUP

Tot Ion:	41	Resp:	819748
Ion Ratio	Lower	Upper	
41	100		
76	31.9	25.9	38.9
39	79.6	64.6	97.0

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#22

trans-1,2-Dichloroethene

Concen: 9.458 ppbv

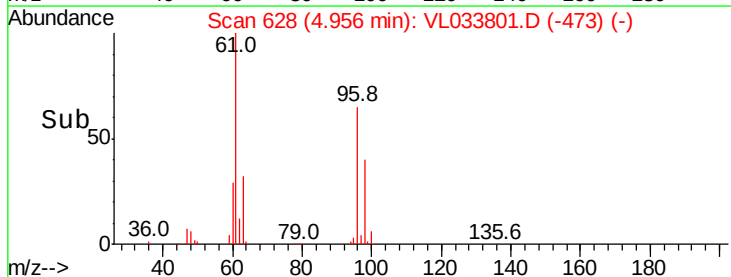
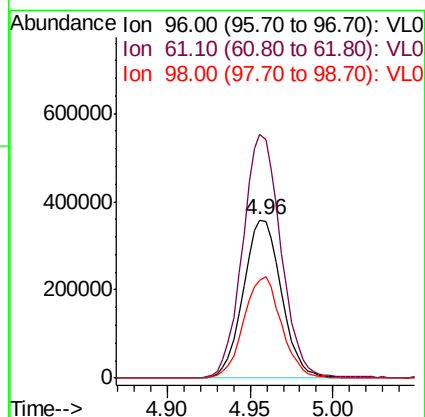
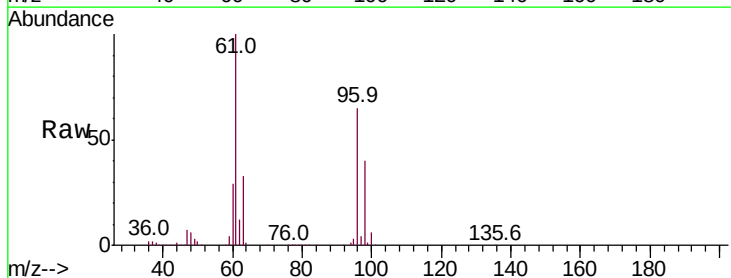
RT: 4.96 min Scan# 628

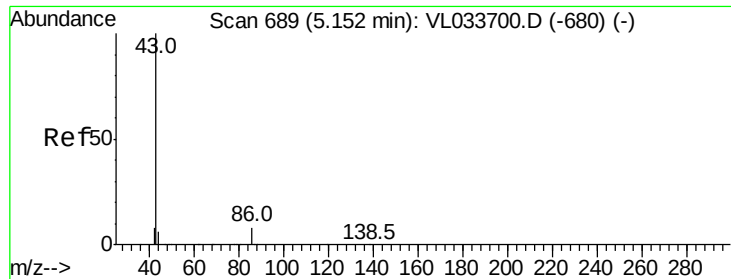
Delta R.T. -0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Tgt Ion:	96	Resp:	574376
Ion Ratio	Lower	Upper	
96	100		
61	153.9	116.8	175.2
98	61.6	49.4	74.0





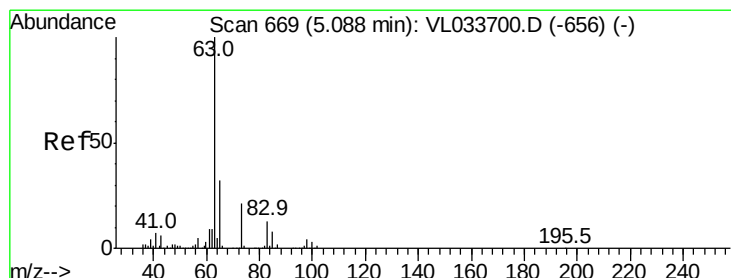
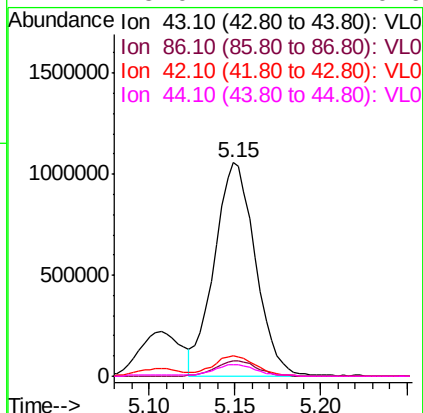
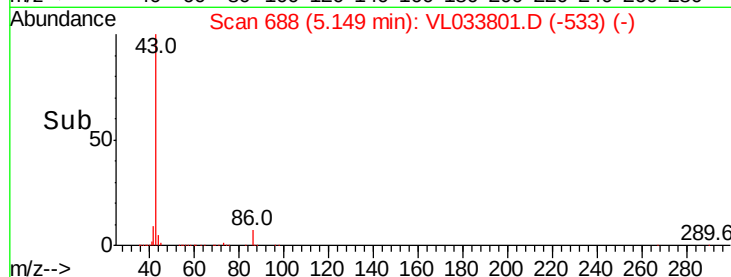
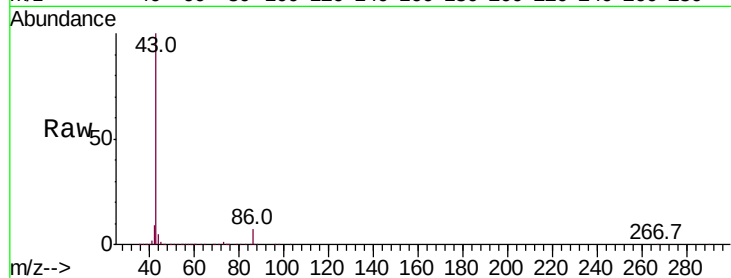
#23
 Vinyl Acetate
 Concen: 9.607 ppbv
 RT: 5.15 min Scan# 688
 Delta R.T. -0.00 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
86	7.4	6.0	9.0	
42	9.2	7.5	11.3	
44	5.0	4.4	6.6	

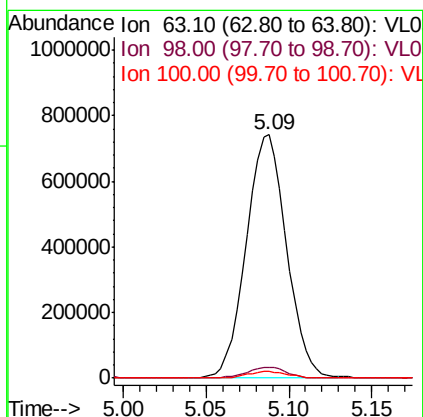
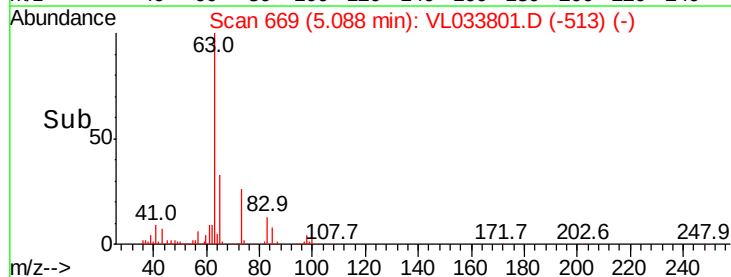
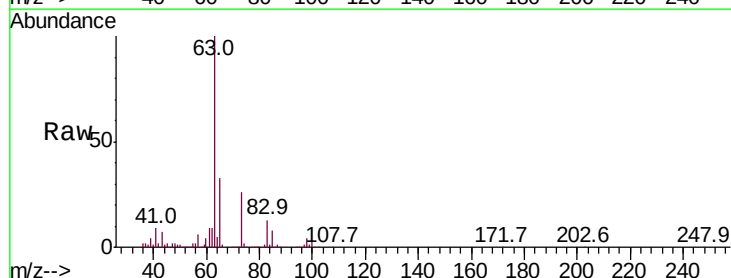
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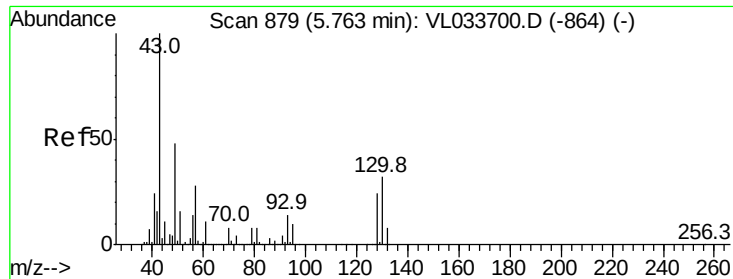
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#24
 1,1-Dichloroethane
 Concen: 9.008 ppbv
 RT: 5.09 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	4.4	1.8	5.5	
100	2.8	1.4	4.2	





#25

Ethyl Acetate

Concen: 9.289 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion: 43 Resp: 2262579

Ion Ratio Lower Upper

43 100

45 10.0 7.9 11.9

61 9.5 7.7 11.5

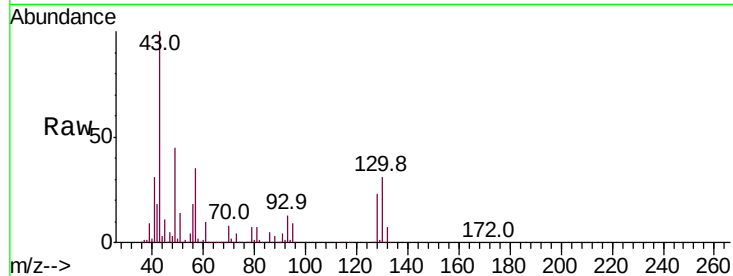
70 7.3 5.8 8.6

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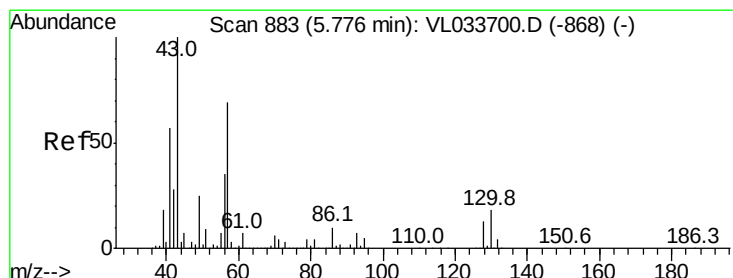
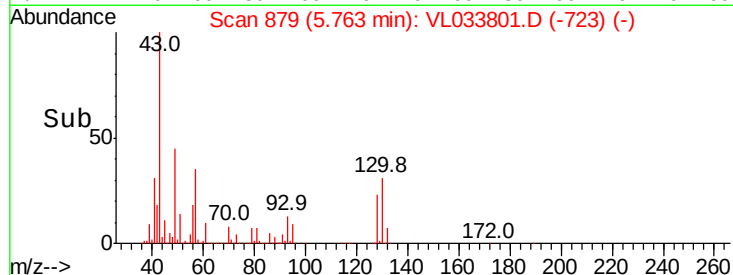
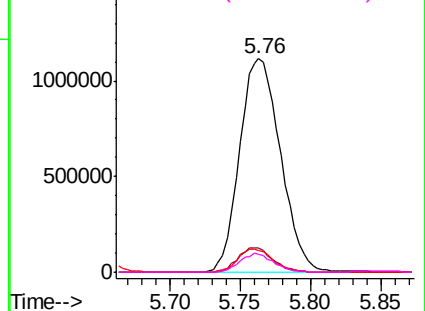
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.612 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Tgt Ion: 57 Resp: 1006503

Ion Ratio Lower Upper

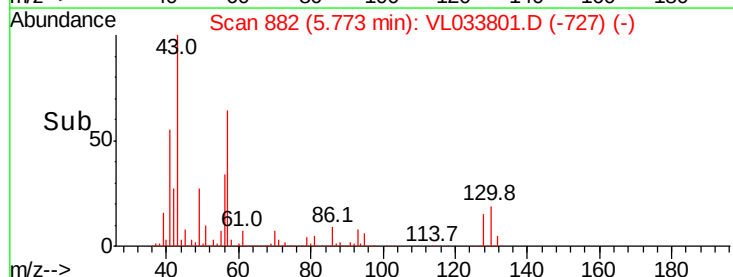
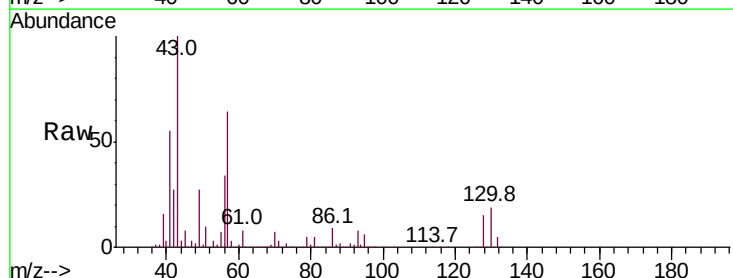
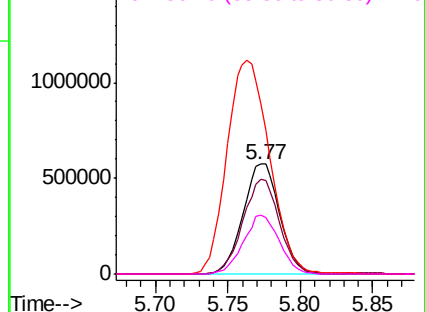
57 100

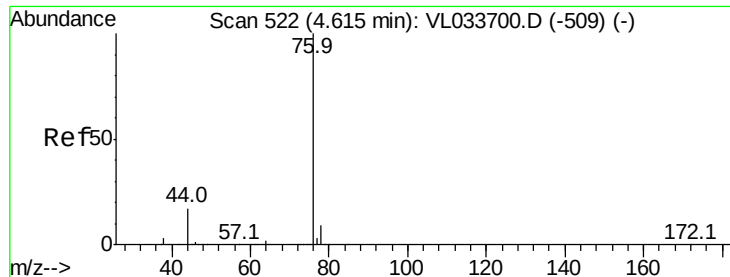
41 86.2 69.8 104.6

43 225.7 181.8 272.6

56 52.6 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: 9.701 ppbv

RT: 4.62 min Scan# 522

Delta R.T. 0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion: 76 Resp: 1393670

Ion Ratio Lower Upper

76 100

44 17.1 13.8 20.8

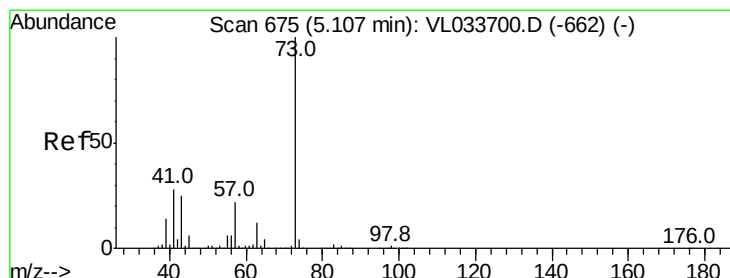
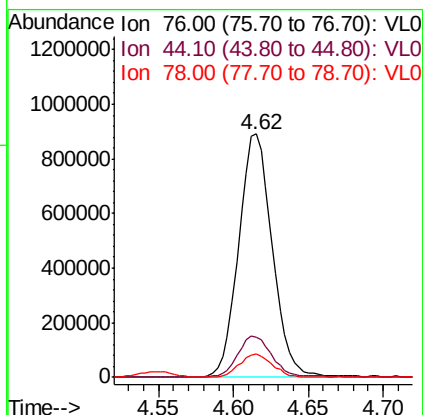
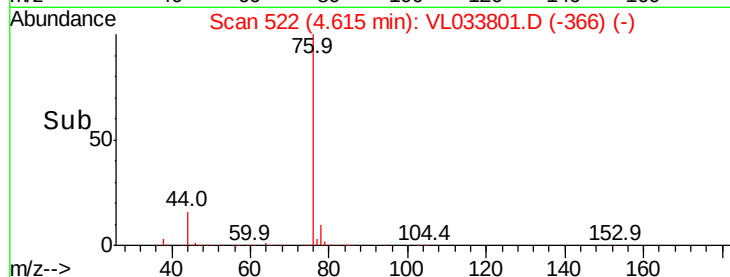
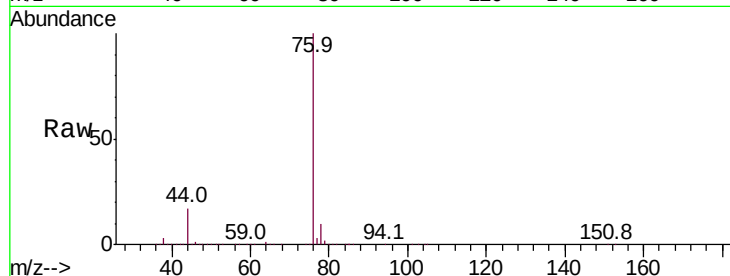
78 9.2 7.4 11.0

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#28

Methyl tert-Butyl Ether

Concen: 9.656 ppbv

RT: 5.11 min Scan# 675

Delta R.T. 0.00 min

Lab File: VL033801.D

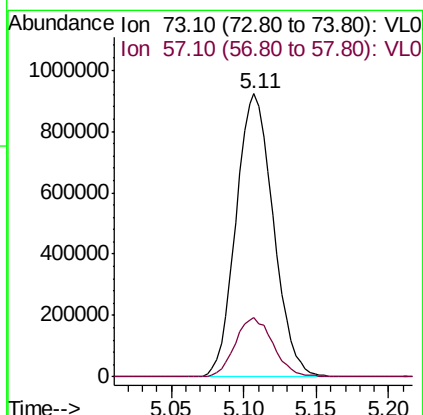
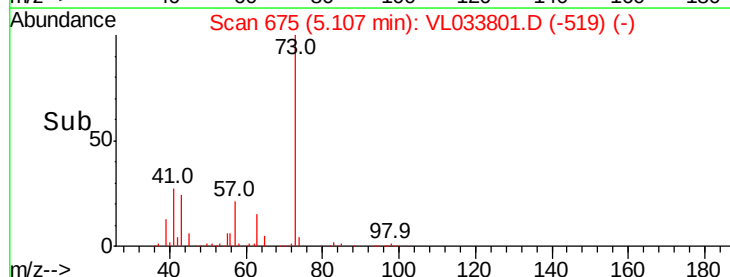
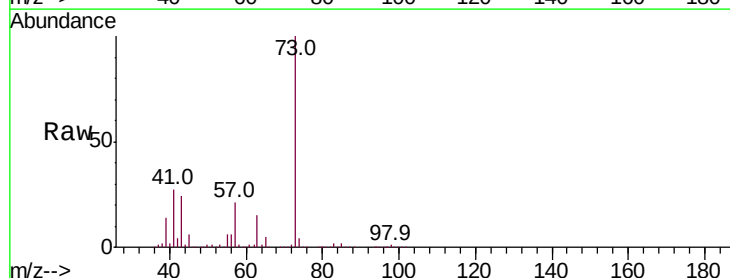
Acq: 28 May 2019 11:46

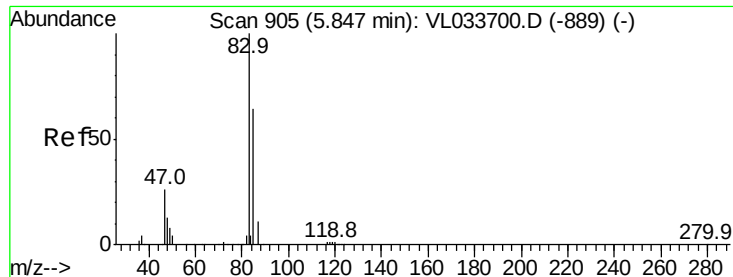
Tgt Ion: 73 Resp: 1648389

Ion Ratio Lower Upper

73 100

57 21.3 17.4 26.2





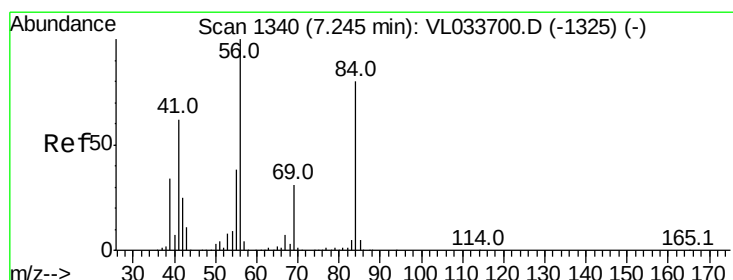
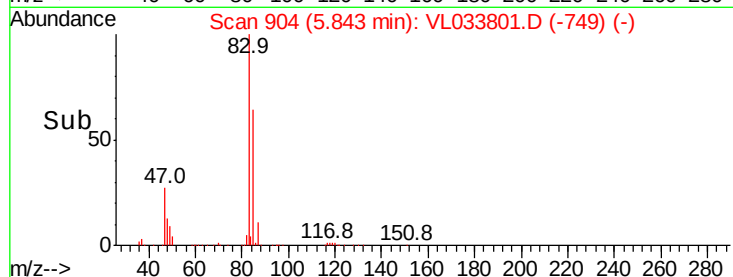
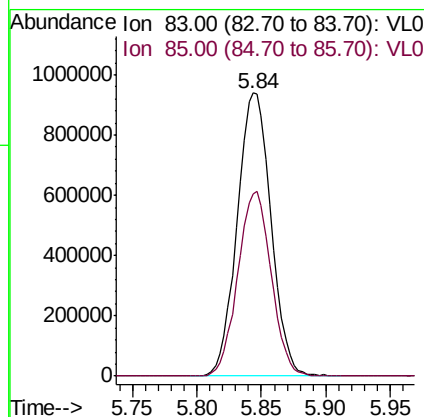
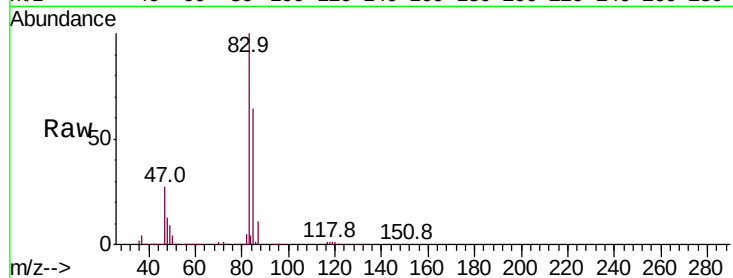
#29
Chloroform
Concen: 8.881 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01DUP

Tot Ion: 83 Resp: 1712913
Ion Ratio Lower Upper
83 100
85 64.3 51.5 77.3

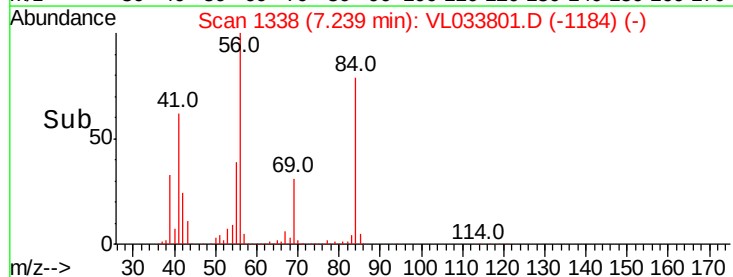
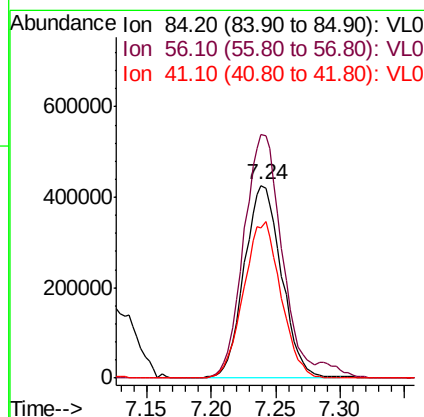
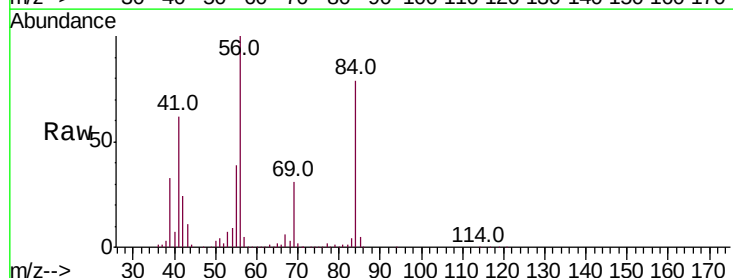
Manual Integrations
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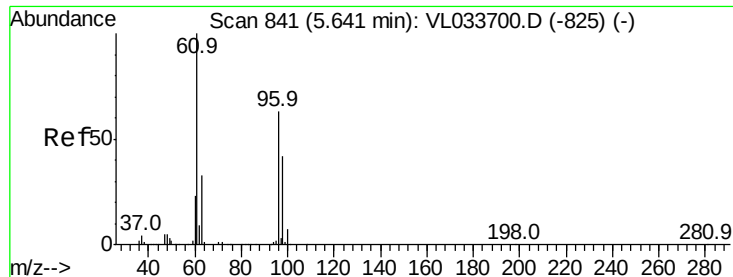
apatel
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#30
Cyclohexane
Concen: 9.759 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

Tgt Ion: 84 Resp: 859105
Ion Ratio Lower Upper
84 100
56 133.0 107.7 161.5
41 81.4 66.0 99.0





#31

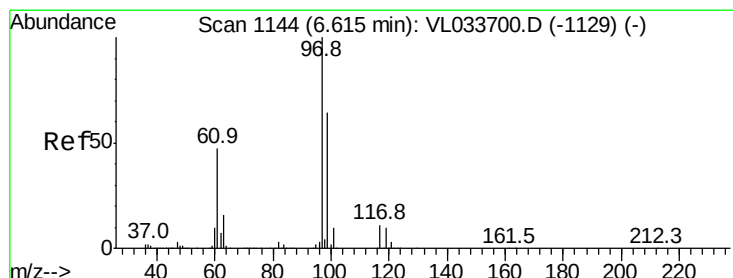
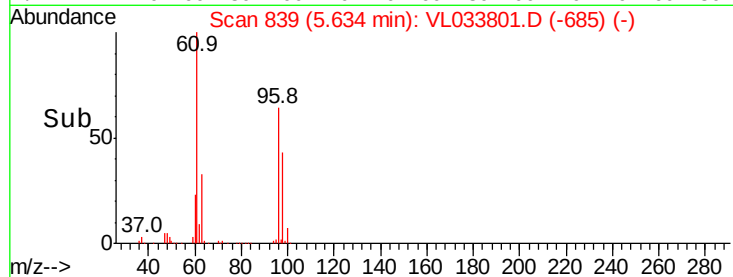
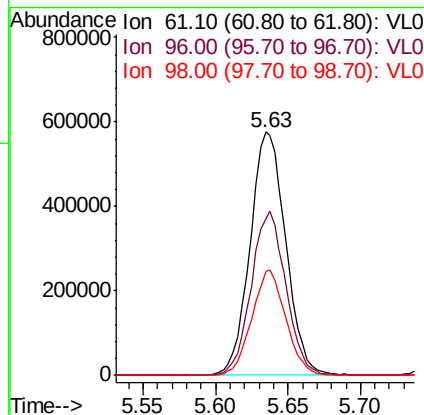
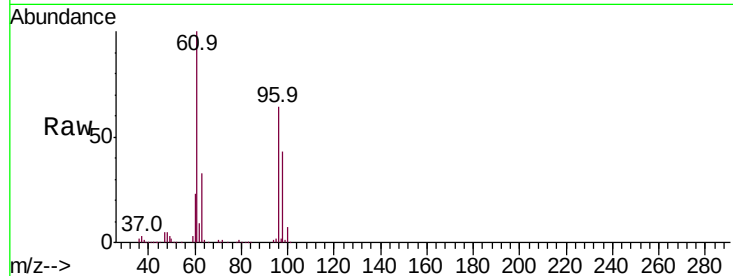
cis-1,2-Dichloroethene
 Concen: 9.489 ppbv
 RT: 5.63 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.2	50.8	76.2
98	43.0	33.3	49.9

Manual Integrations
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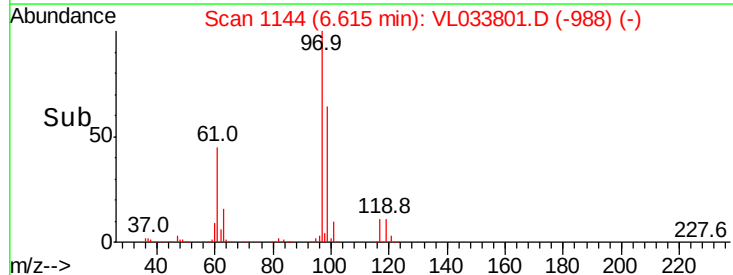
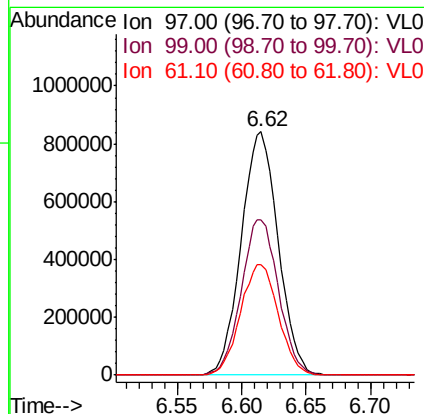
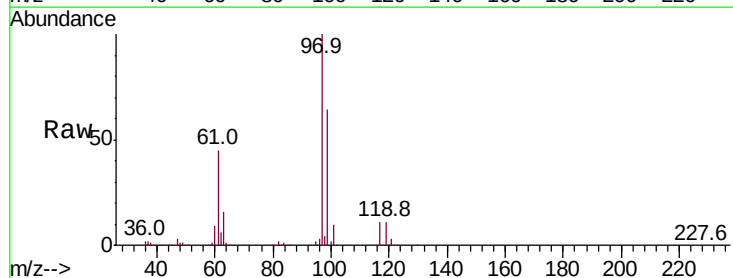
apatel
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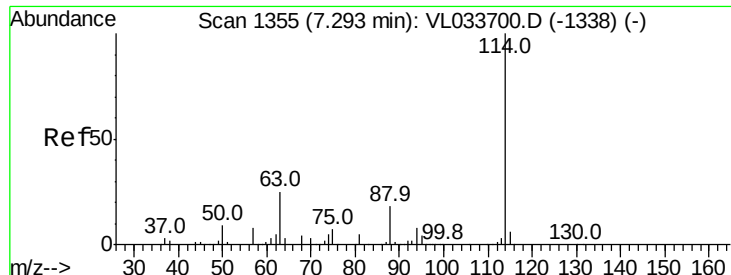


#32

1,1,1-Trichloroethane
 Concen: 8.721 ppbv
 RT: 6.62 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.5	77.3
61	46.6	37.8	56.8





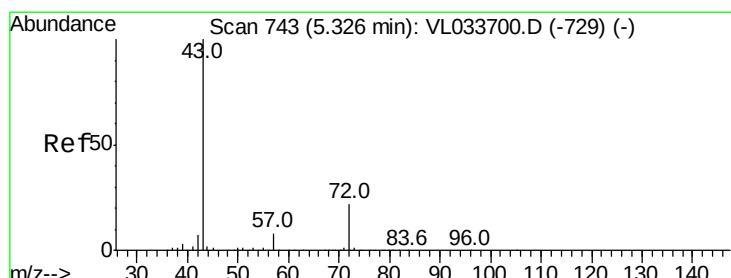
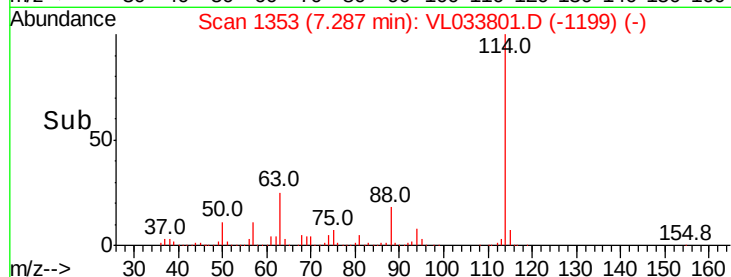
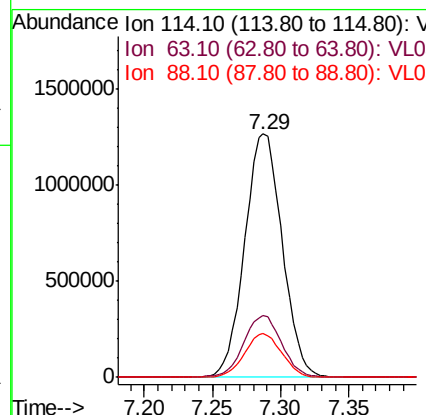
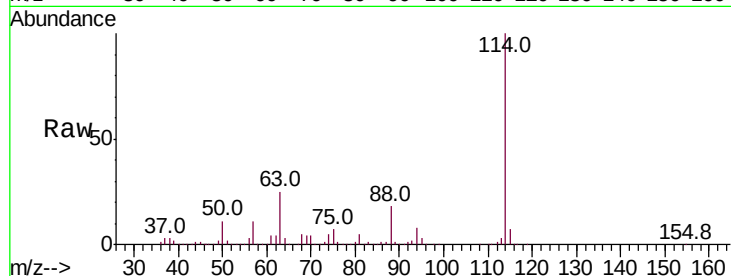
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.9	31.3
88	17.9	14.3	21.5

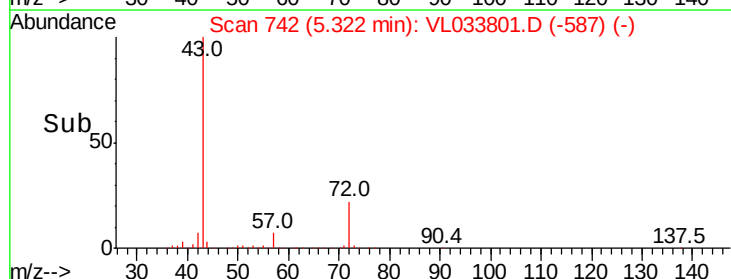
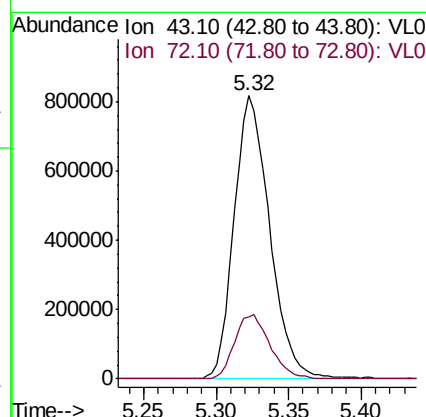
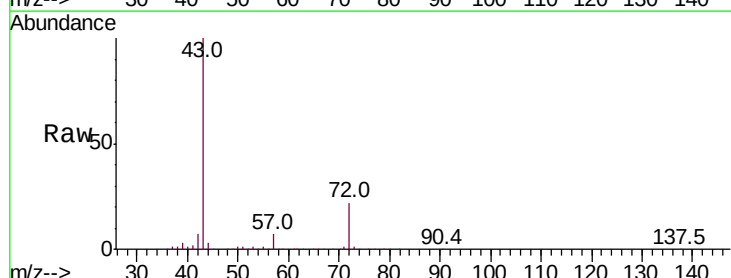
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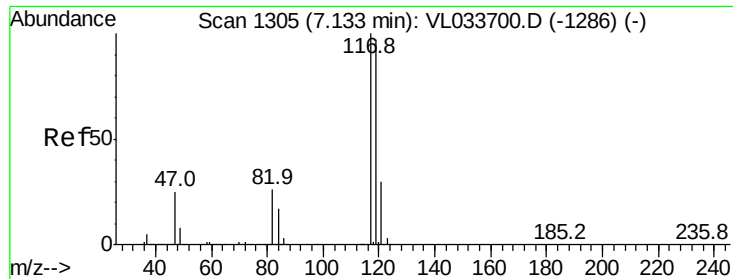
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#34
 2-Butanone
 Concen: 9.274 ppbv
 RT: 5.32 min Scan# 742
 Delta R.T. -0.00 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.9	17.8	26.6





#35

Carbon Tetrachloride

Concen: 9.379 ppbv

RT: 7.13 min Scan# 1303

Delta R.T. -0.01 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion:117 Resp: 1814074

Ion Ratio Lower Upper

117 100

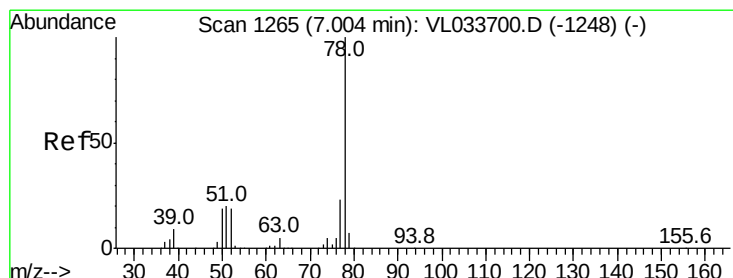
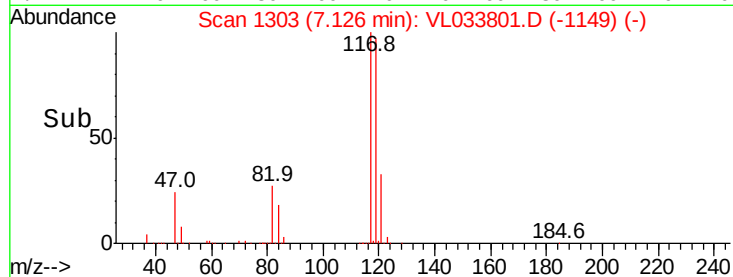
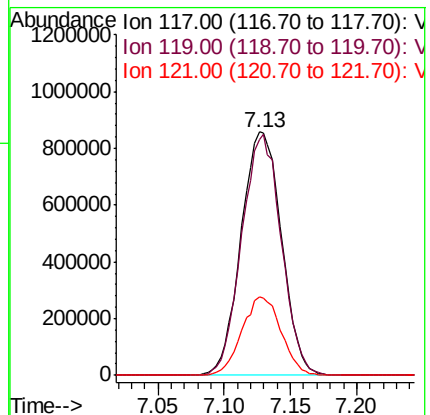
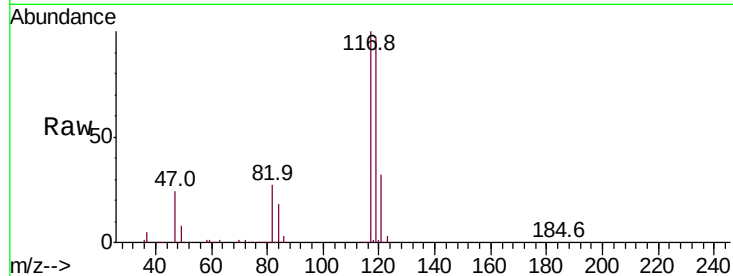
119 96.8 77.2 115.8

121 32.5 24.1 36.1

Manual Integrations
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#36

Benzene

Concen: 9.212 ppbv

RT: 7.00 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

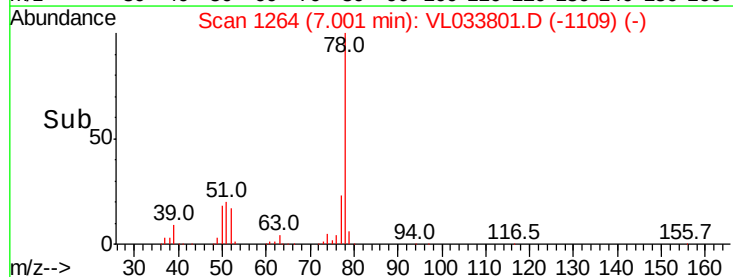
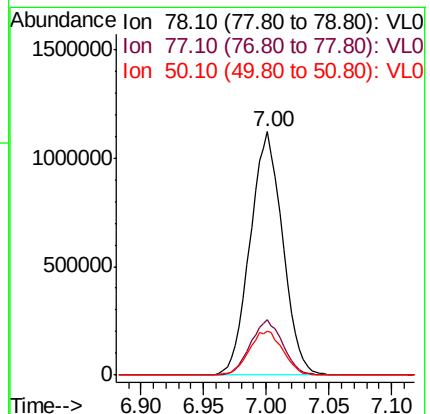
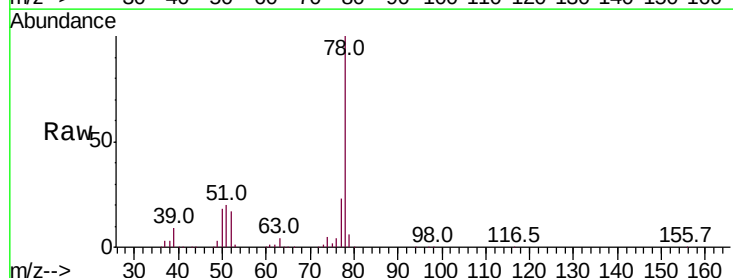
Tgt Ion: 78 Resp: 2023386

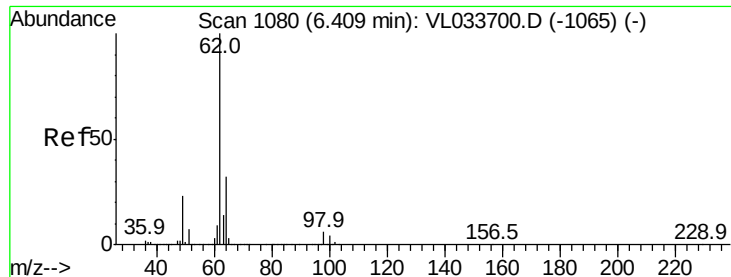
Ion Ratio Lower Upper

78 100

77 22.6 18.4 27.6

50 17.9 15.5 23.3





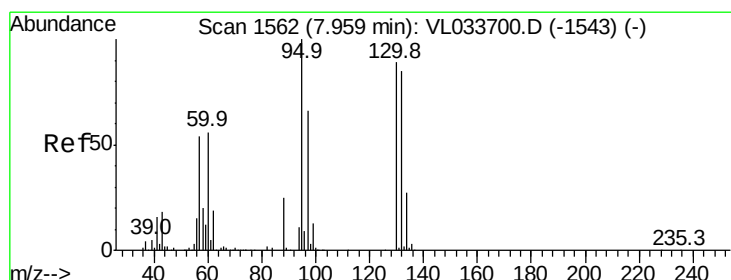
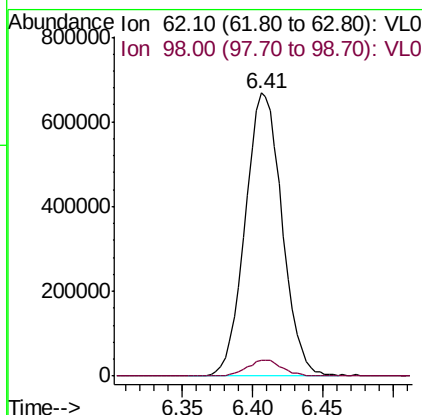
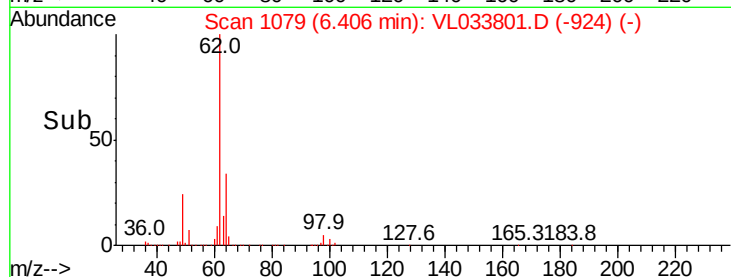
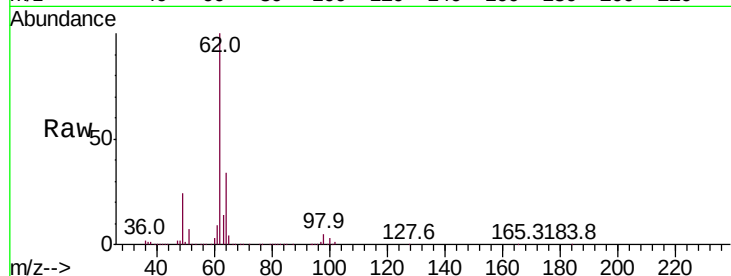
#37
 1,2-Dichloroethane
 Concen: 8.642 ppbv
 RT: 6.41 min Scan# 1079
 Delta R.T. -0.00 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

Tot Ion: 62 Resp: 1224513
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.5 6.7

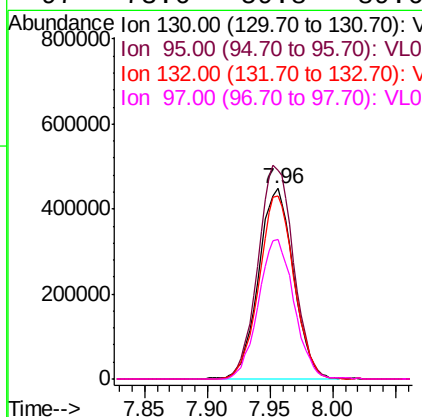
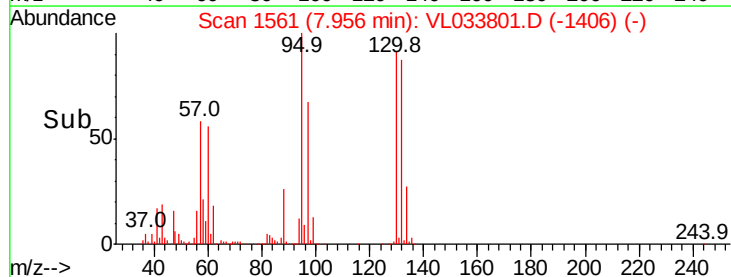
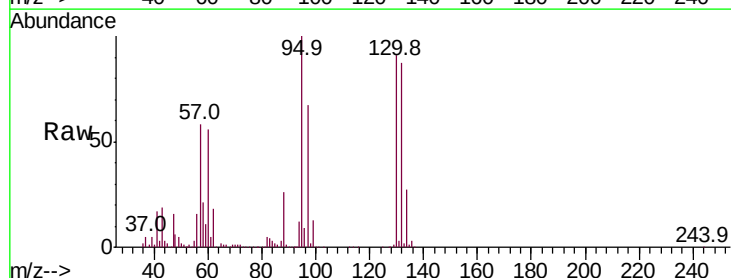
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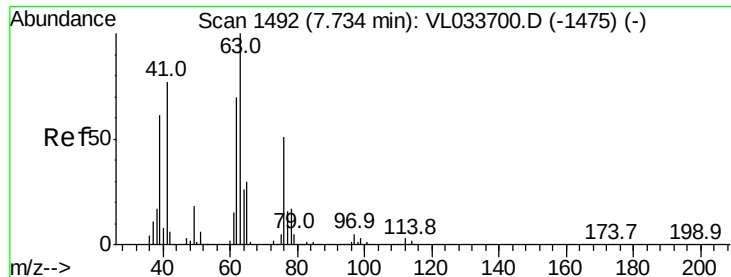
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#38
 Trichloroethene
 Concen: 10.717 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. -0.00 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Tgt Ion: 130 Resp: 873501
 Ion Ratio Lower Upper
 130 100
 95 109.9 90.2 135.4
 132 95.8 76.4 114.6
 97 73.6 59.8 89.6





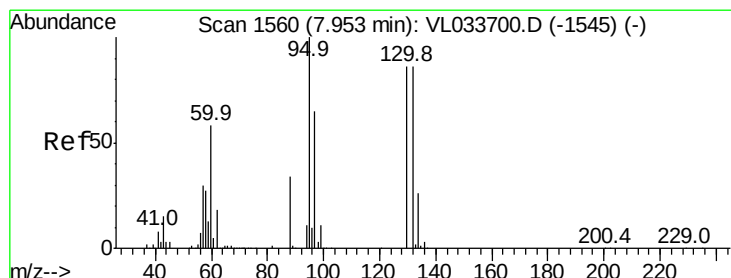
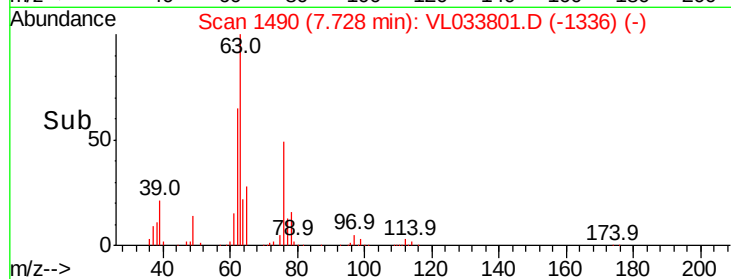
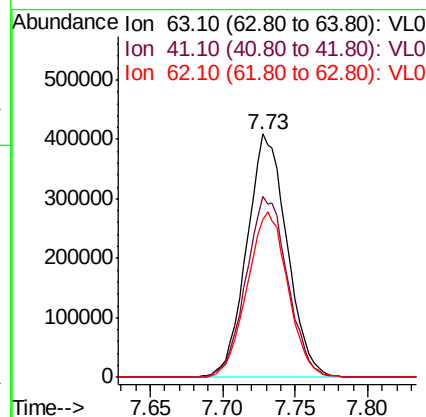
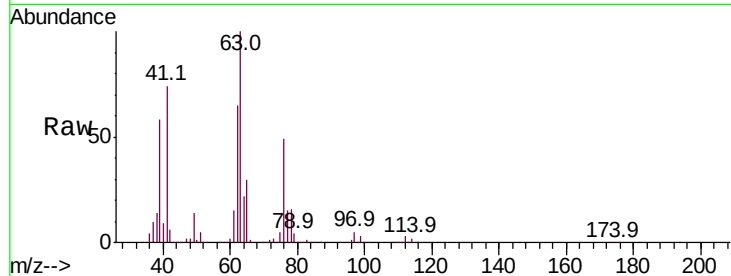
#39
 1,2-Dichloropropane
 Concen: 9.626 ppbv
 RT: 7.73 min Scan# 1490
 Delta R.T. -0.01 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0528ABS01DUP

Tot Ion	Ratio	Lower	Upper
63	100		
41	73.9	61.5	92.3
62	64.8	56.2	84.4

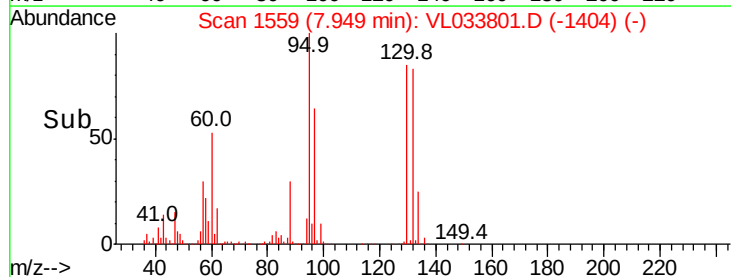
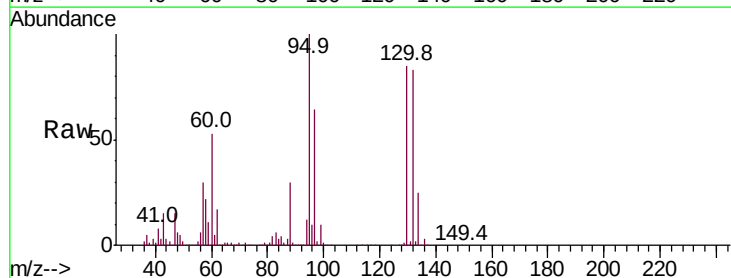
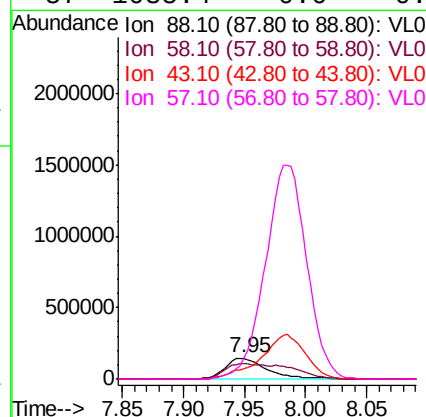
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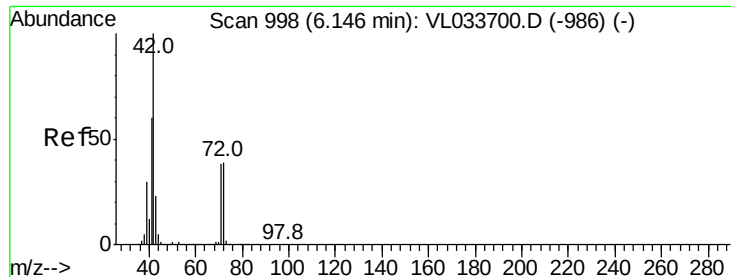
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#40
 1,4-Dioxane
 Concen: 10.040 ppbv
 RT: 7.95 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Tgt Ion	Ratio	Lower	Upper
88	100		
58	120.9	101.8	152.6
43	231.5	0.0	0.0#
57	1035.4	0.0	0.0#





#41

Tetrahydrofuran

Concen: 9.255 ppbv

RT: 6.14 min Scan# 997

Delta R.T. -0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

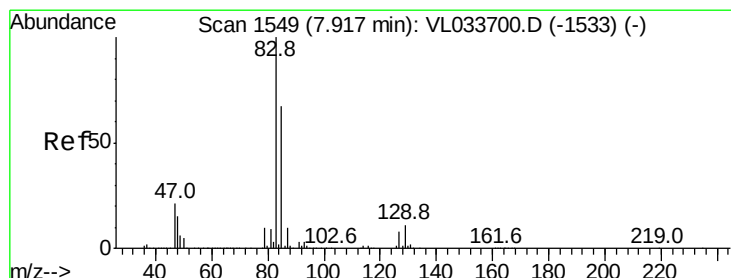
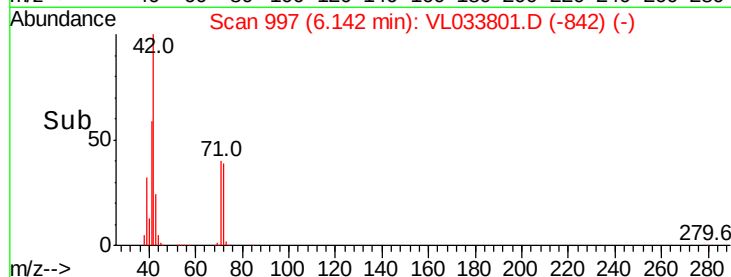
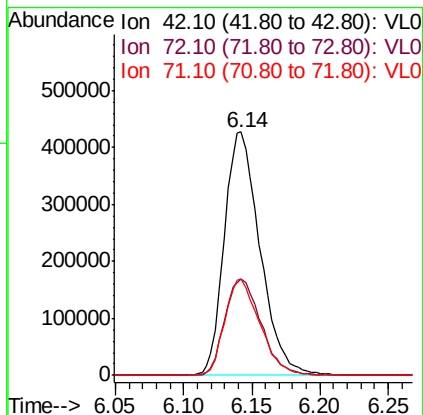
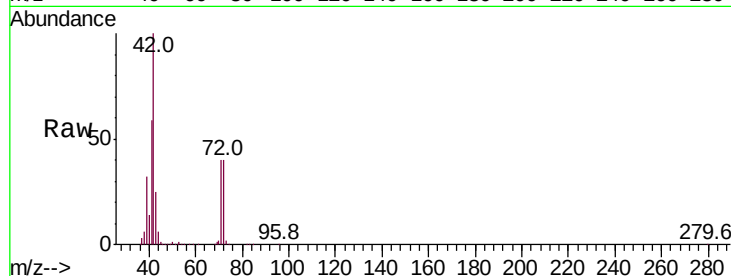
ClientSampleId :

VL0528ABS01DUP

Tot Ion:	42	Resp:	776087
Ion Ratio		Lower	Upper
42	100		
72	40.5	32.0	48.0
71	39.1	30.4	45.6

Manual Integrations
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#42

Bromodichloromethane

Concen: 9.683 ppbv

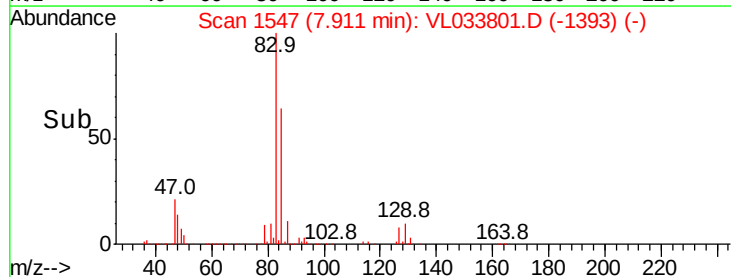
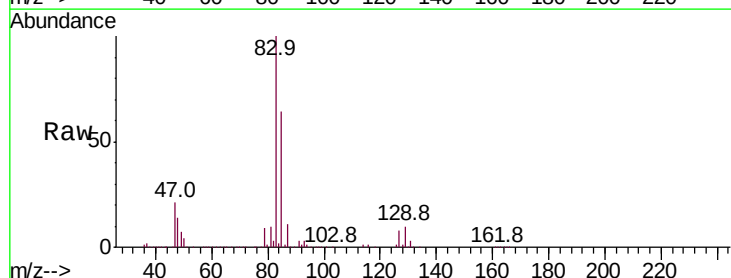
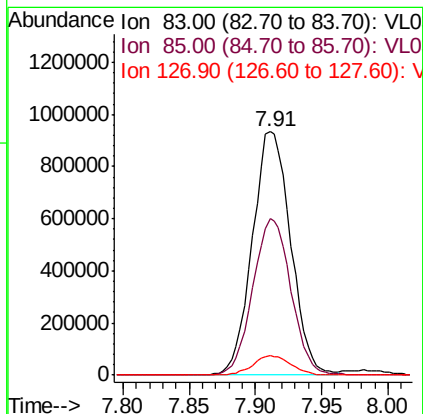
RT: 7.91 min Scan# 1547

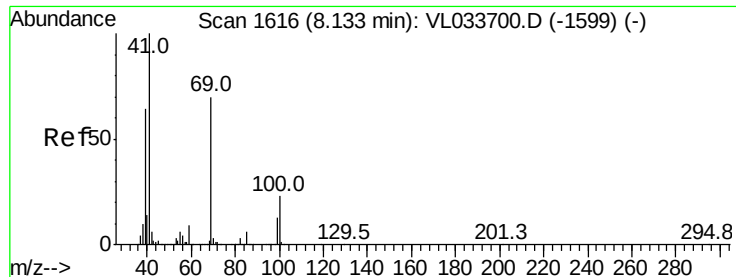
Delta R.T. -0.01 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Tgt Ion:	83	Resp:	1878161
Ion Ratio		Lower	Upper
83	100		
85	64.3	53.3	79.9
127	8.0	6.5	9.7





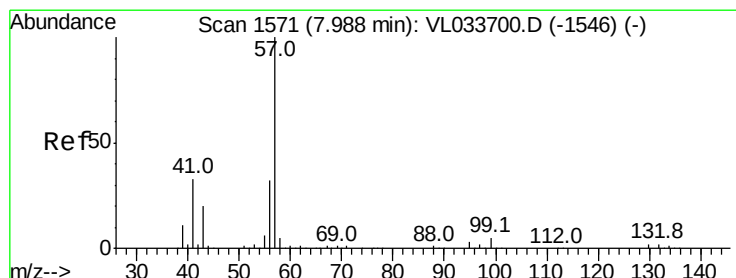
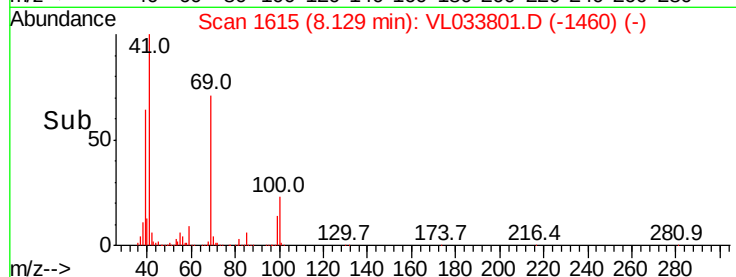
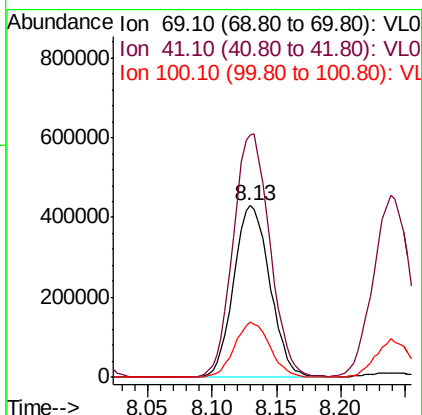
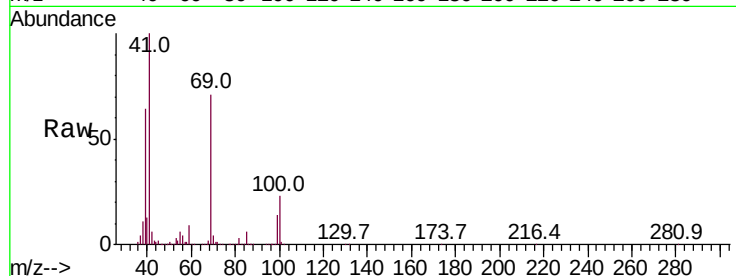
#43
Methyl Methacrylate
Concen: 10.408 ppbv
RT: 8.13 min Scan# 1615
Delta R.T. -0.00 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01DUP

Tot Ion	Ratio	Lower	Upper
69	100		
41	143.1	116.3	174.5
100	31.5	25.3	37.9

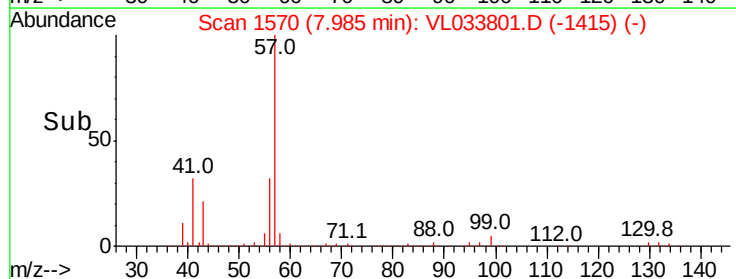
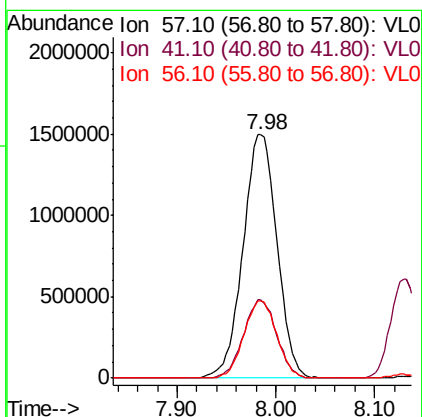
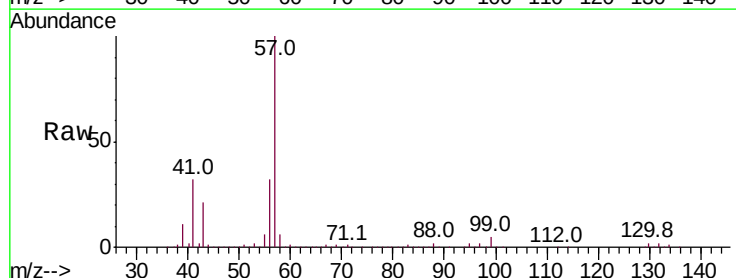
Manual Integrations
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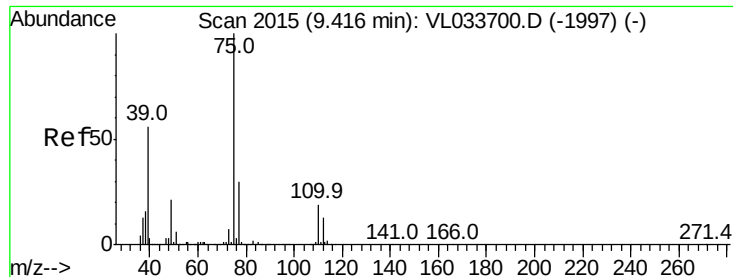
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#44
2,2,4-Trimethylpentane
Concen: 9.585 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

Tgt Ion	Ratio	Lower	Upper
57	100		
41	31.5	25.4	38.0
56	30.9	24.7	37.1





#45

t-1,3-Dichloropropene

Concen: 10.353 ppbv

RT: 9.41 min Scan# 2013

Delta R.T. -0.01 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion: 75 Resp: 1060922

Ion Ratio Lower Upper

75 100

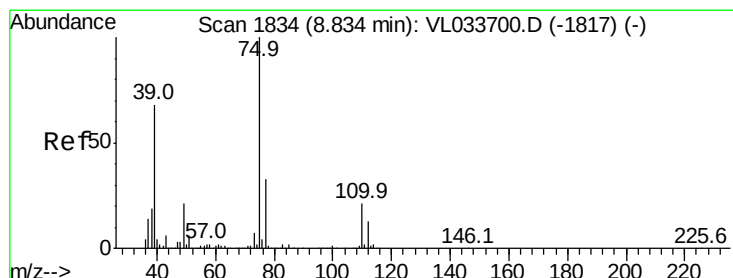
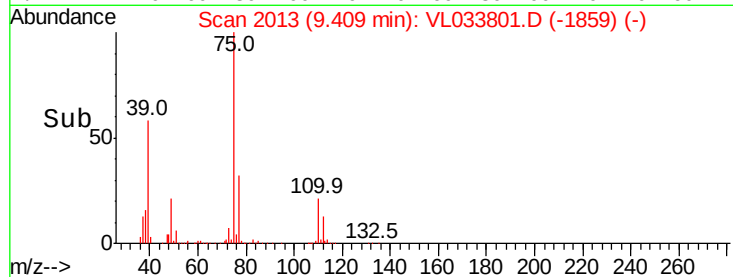
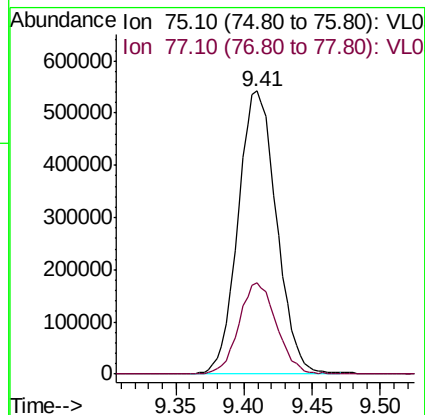
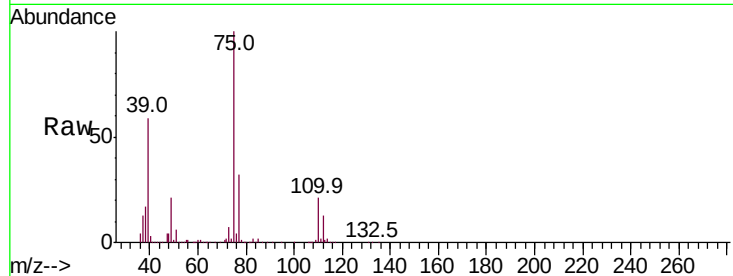
77 32.4 24.4 36.6

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#46

cis-1,3-Dichloropropene

Concen: 10.079 ppbv

RT: 8.83 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

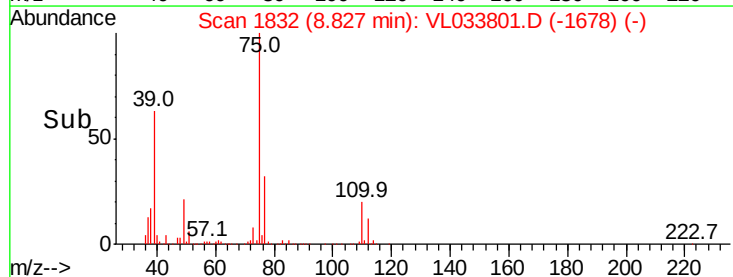
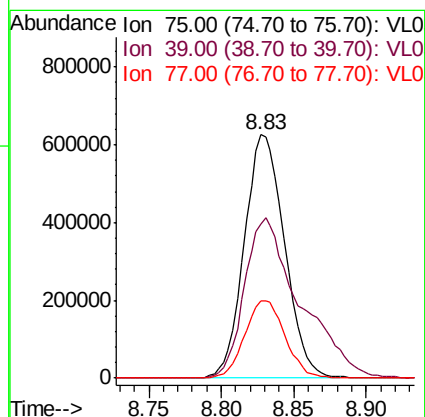
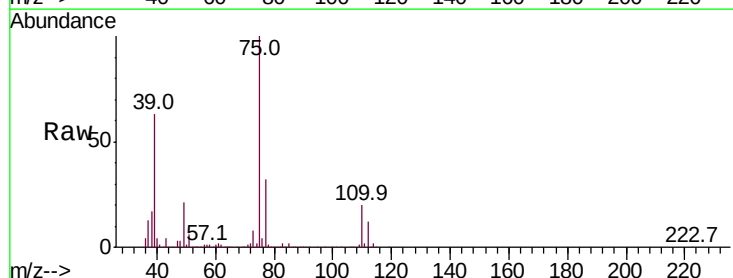
Tgt Ion: 75 Resp: 1209412

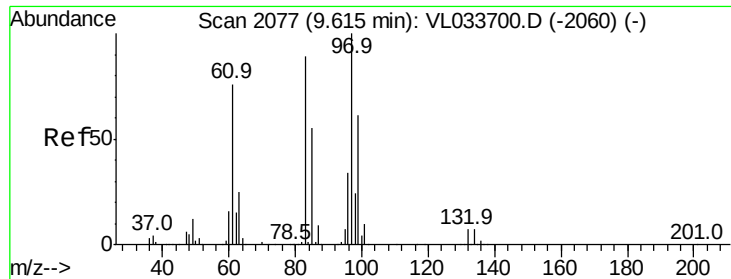
Ion Ratio Lower Upper

75 100

39 63.3 54.4 81.6

77 31.7 26.6 39.8





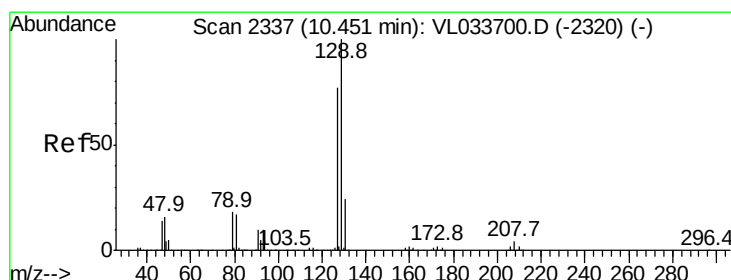
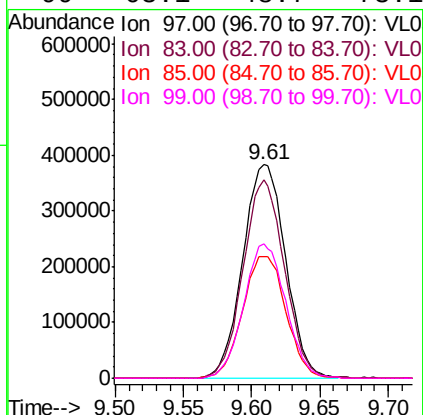
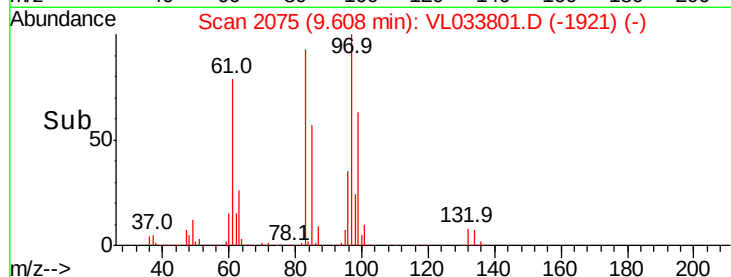
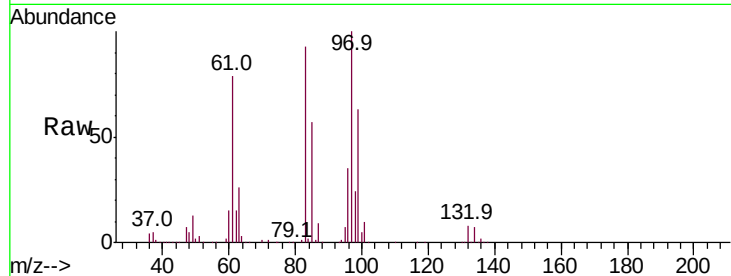
#47
 1,1,2-Trichloroethane
 Concen: 8.992 ppbv
 RT: 9.61 min Scan# 2075
 Delta R.T. -0.01 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	92.6	70.8	106.2	
85	56.8	43.7	65.5	
99	63.1	48.7	73.1	

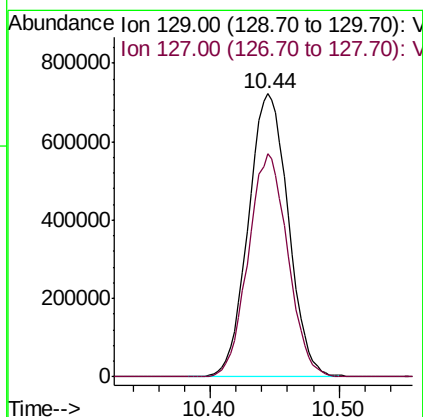
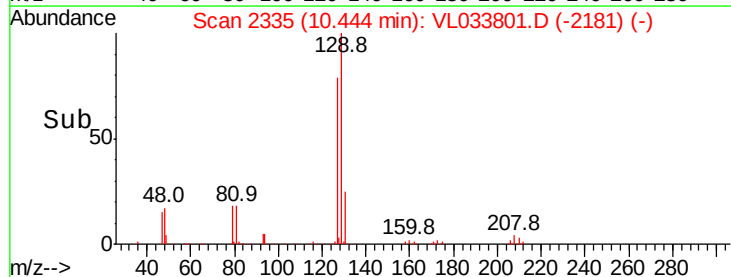
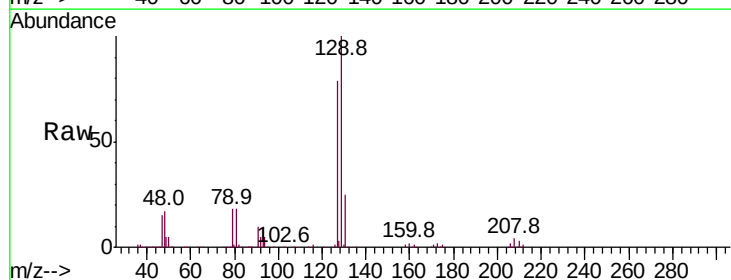
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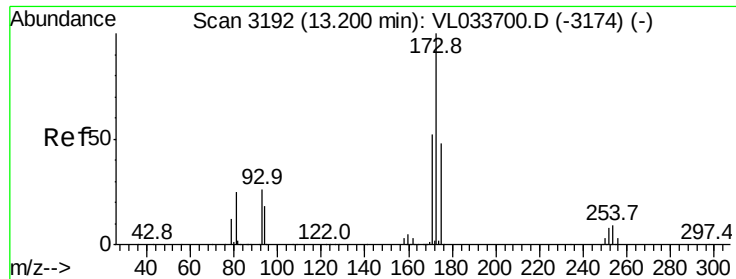
apatel
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#48
 Dibromochloromethane
 Concen: 9.685 ppbv
 RT: 10.44 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.1	38.6	116.0	





#49

Bromoform

Concen: 10.523 ppbv

RT: 13.20 min Scan# 3191

Delta R.T. -0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion:173 Resp: 1427218

Ion Ratio Lower Upper

173 100

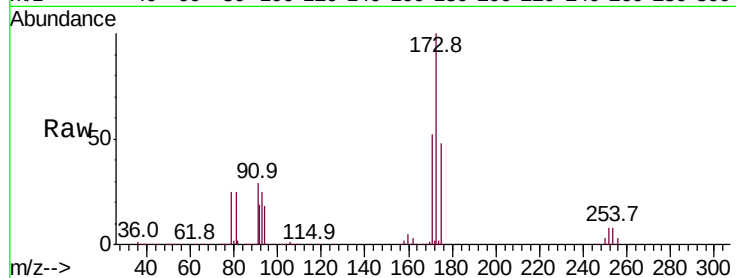
175 49.0 38.6 58.0

171 51.5 41.5 62.3

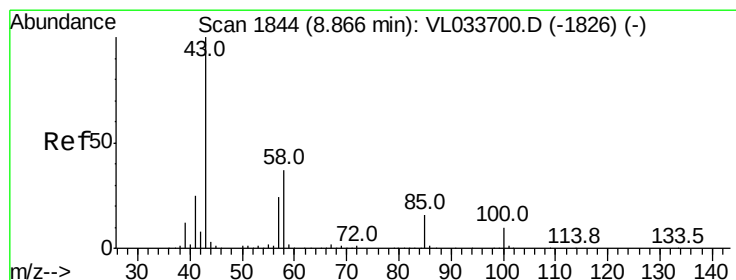
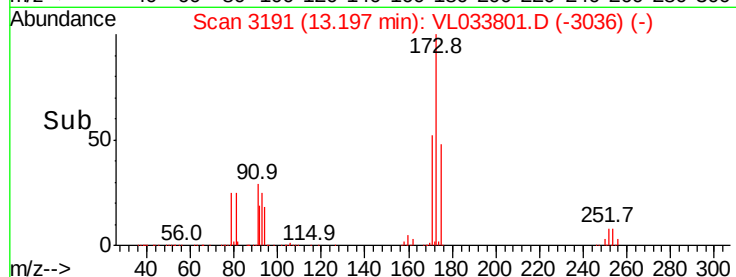
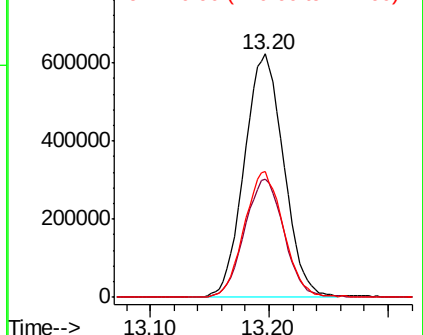
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.132 ppbv

RT: 8.86 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VL033801.D

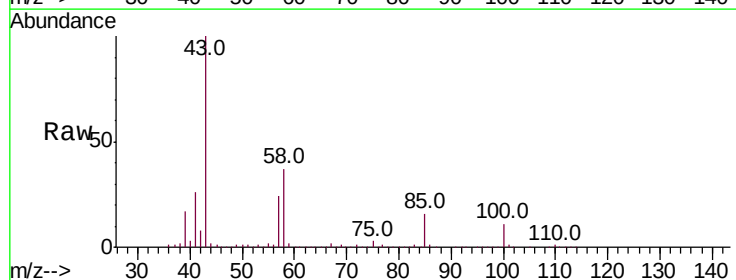
Acq: 28 May 2019 11:46

Tgt Ion: 43 Resp: 2102254

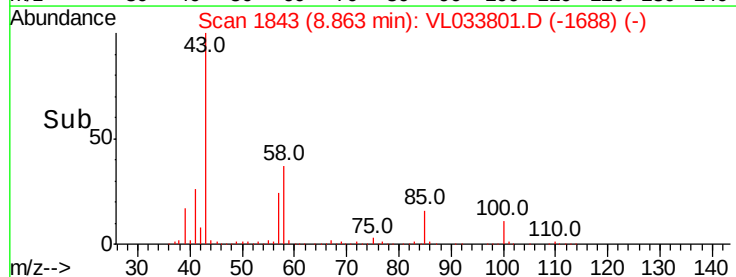
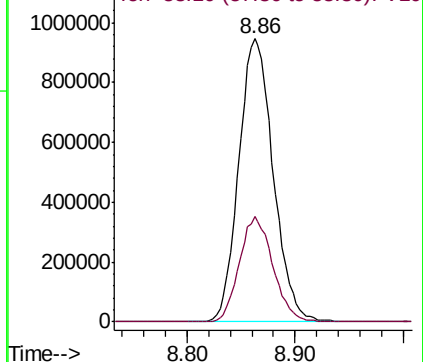
Ion Ratio Lower Upper

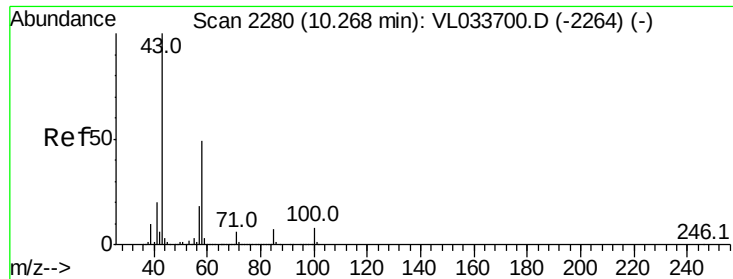
43 100

58 36.2 28.6 43.0



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.010 ppbv

RT: 10.26 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion: 43 Resp: 1798466

Ion Ratio Lower Upper

43 100

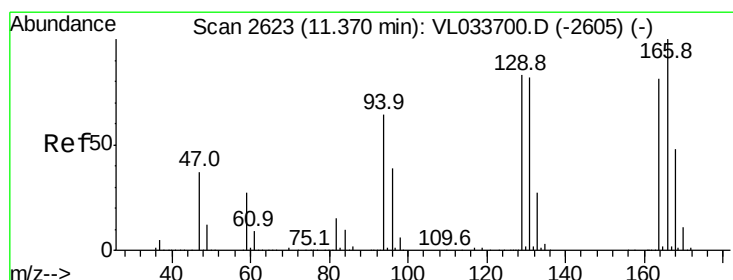
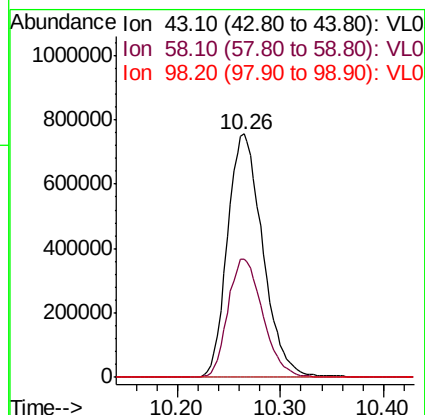
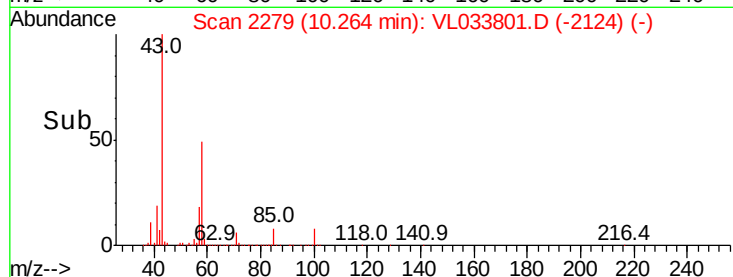
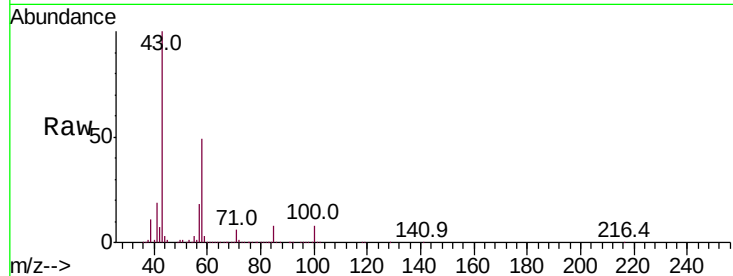
58 48.2 38.7 58.1

98 0.2 0.2 0.4#

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#52

Tetrachloroethene

Concen: 9.893 ppbv

RT: 11.36 min Scan# 2621

Delta R.T. -0.01 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Tgt Ion: 164 Resp: 763869

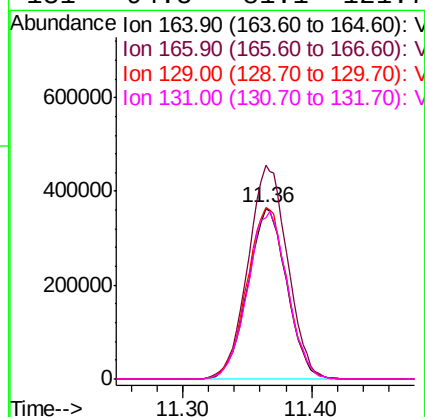
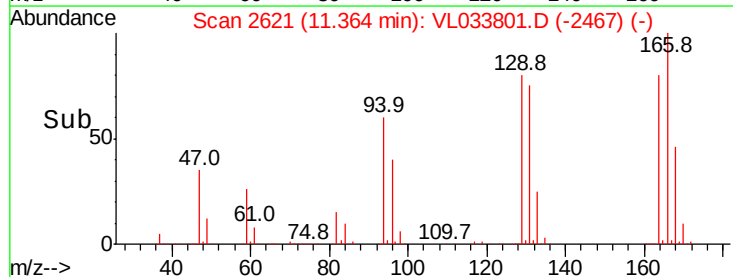
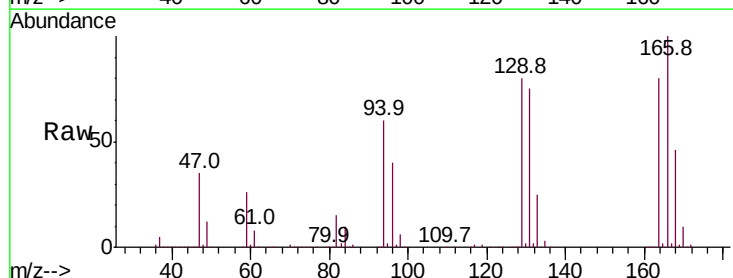
Ion Ratio Lower Upper

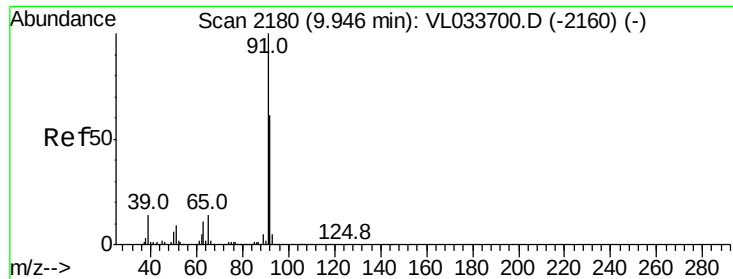
164 100

166 125.3 98.9 148.3

129 100.6 81.8 122.6

131 94.5 81.1 121.7





#53

Toluene

Concen: 9.915 ppbv

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion: 91 Resp: 2348828

Ion Ratio Lower Upper

91 100

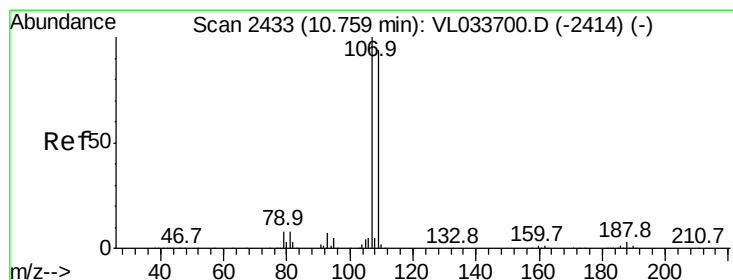
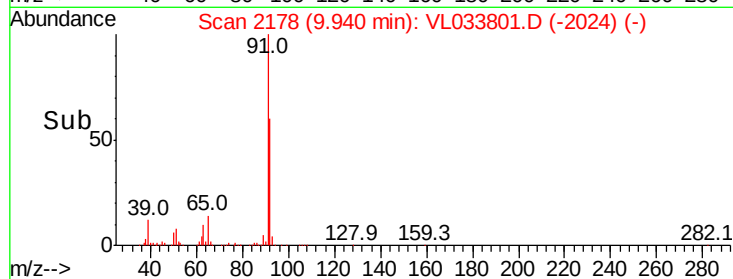
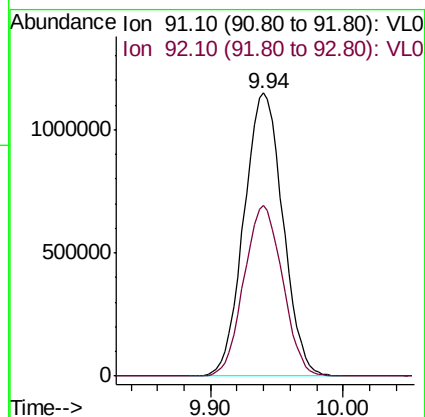
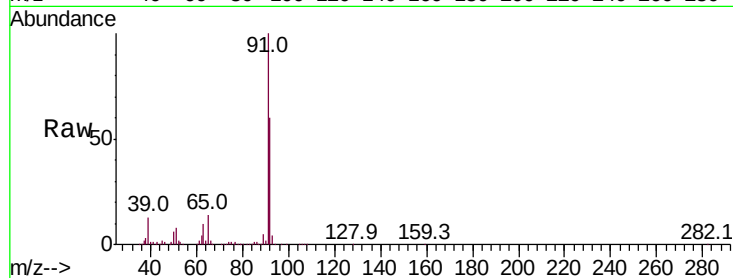
92 59.9 47.6 71.4

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#54

1,2-Dibromoethane

Concen: 9.235 ppbv

RT: 10.75 min Scan# 2431

Delta R.T. -0.01 min

Lab File: VL033801.D

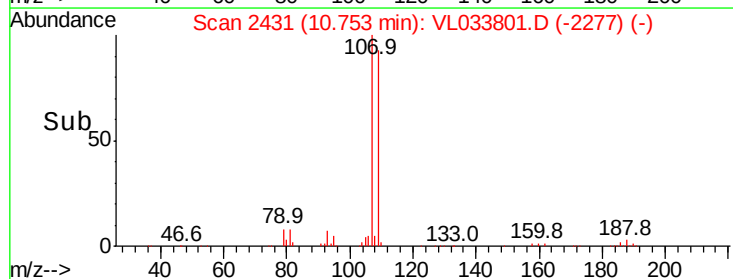
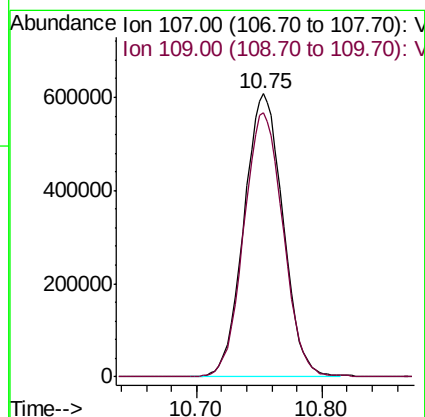
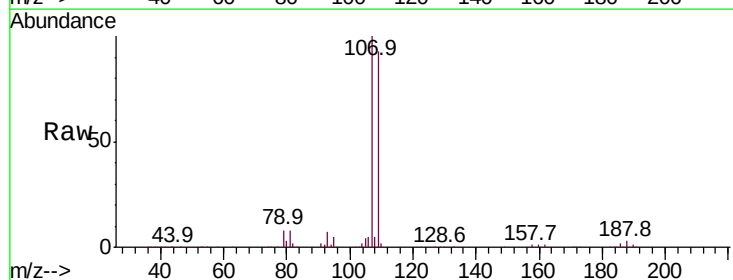
Acq: 28 May 2019 11:46

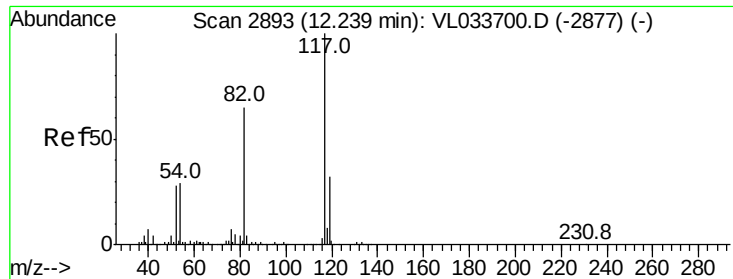
Tgt Ion: 107 Resp: 1311130

Ion Ratio Lower Upper

107 100

109 93.3 75.2 112.8





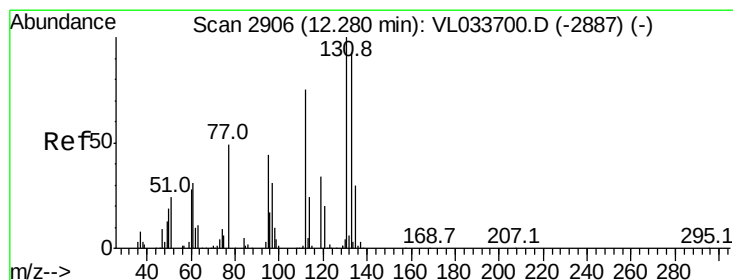
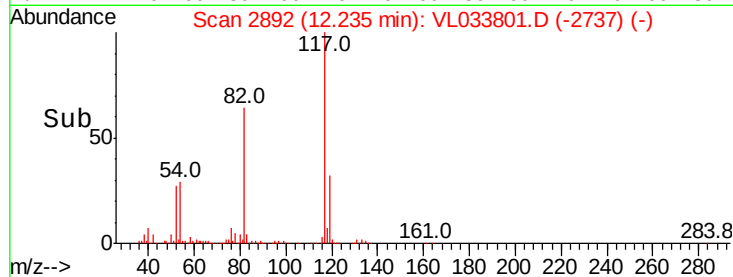
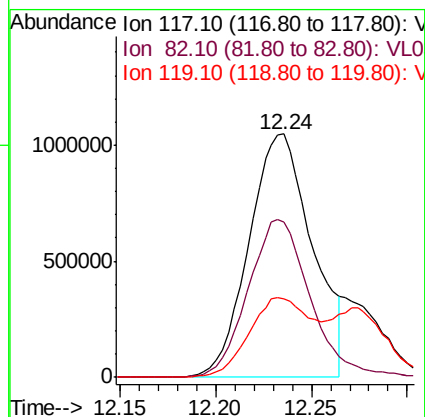
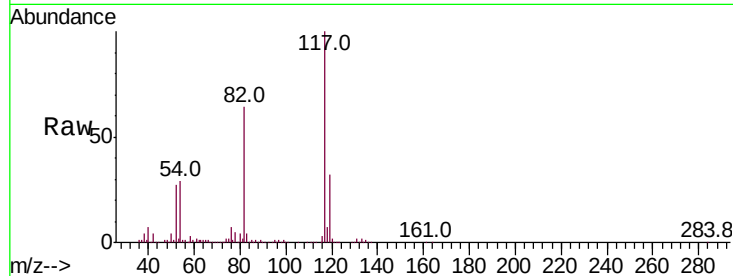
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01DUP

Tot Ion:117 Resp: 2425327
Ion Ratio Lower Upper
117 100
82 64.1 49.4 74.0
119 33.8 24.9 37.3

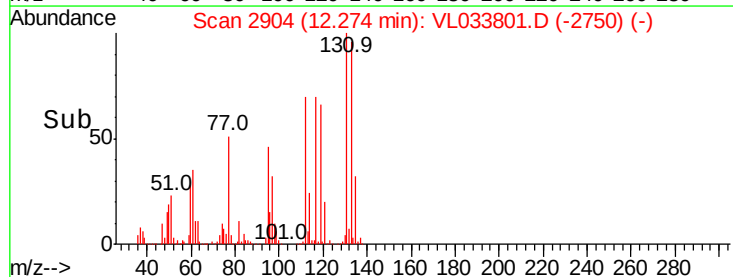
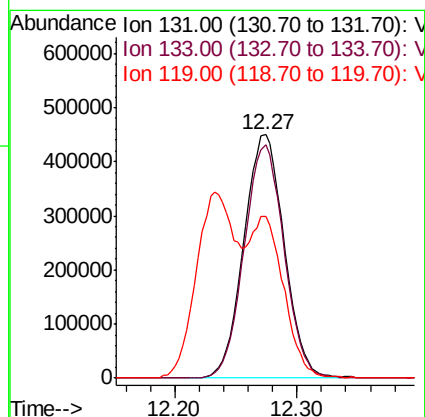
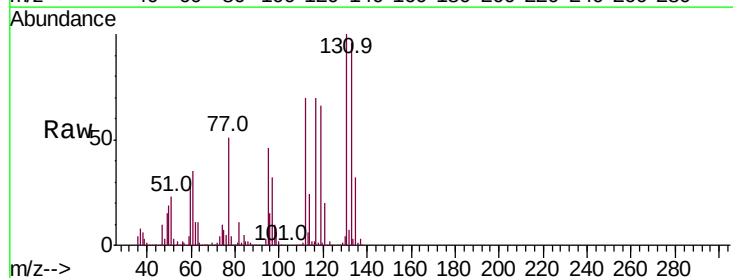
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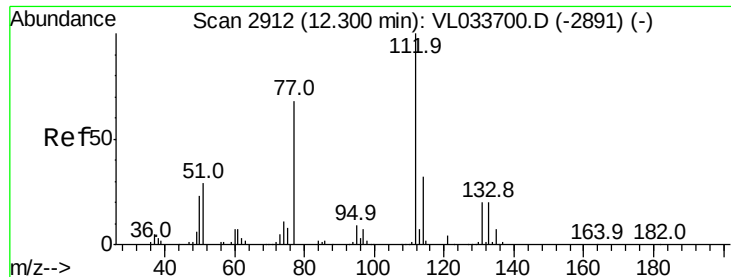
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.176 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

Tgt Ion:131 Resp: 1029782
Ion Ratio Lower Upper
131 100
133 94.9 76.6 114.8
119 134.4 49.0 73.4#





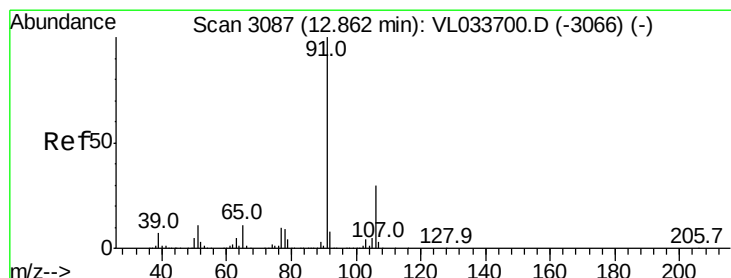
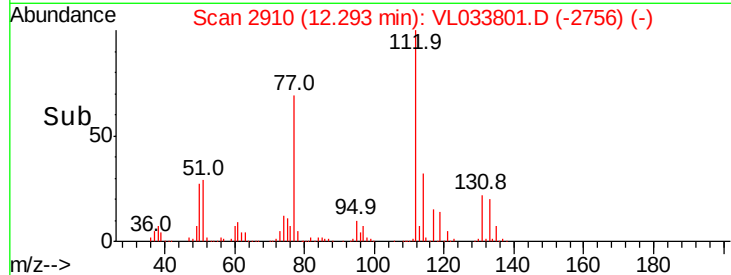
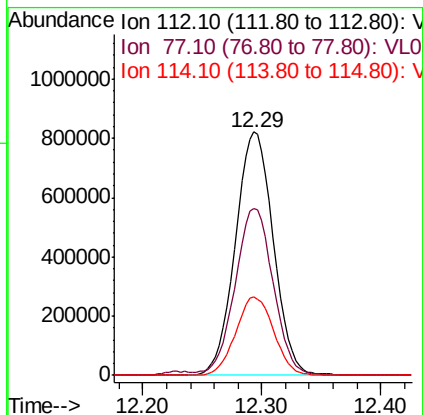
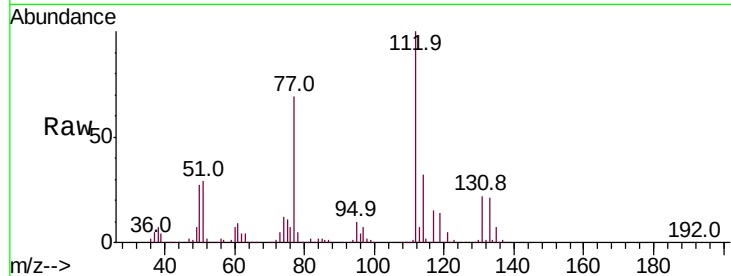
#57
Chlorobenzene
Concen: 9.083 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01DUP

Tot Ion	Ratio	Lower	Upper
112	100		
77	68.3	55.4	83.0
114	32.1	29.3	35.8

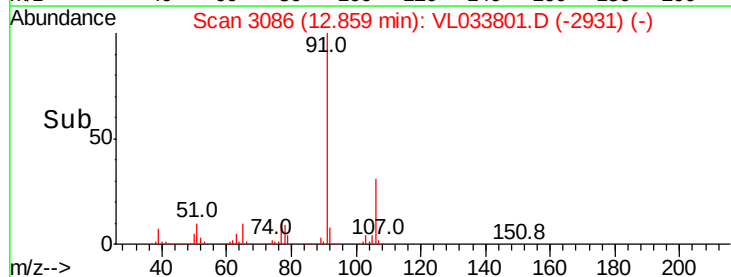
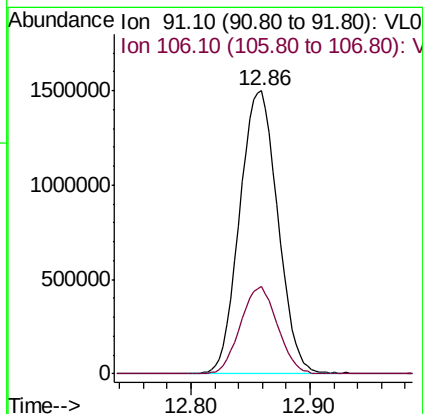
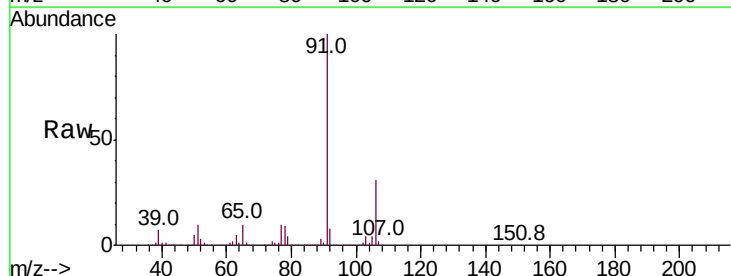
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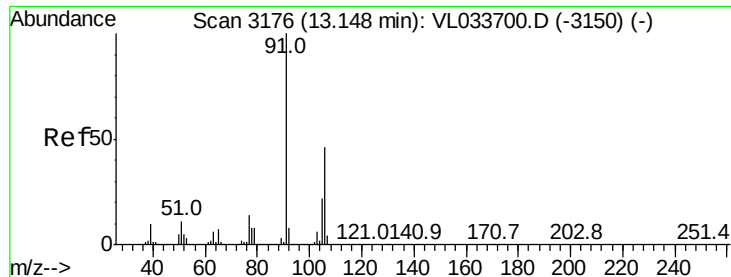
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#58
Ethyl Benzene
Concen: 10.374 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.7	23.9	35.9





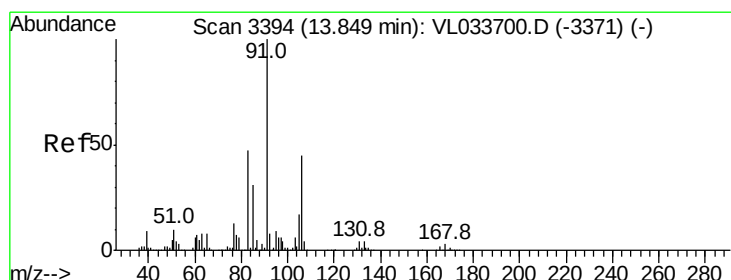
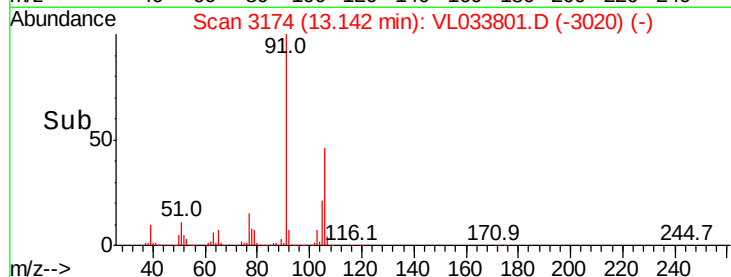
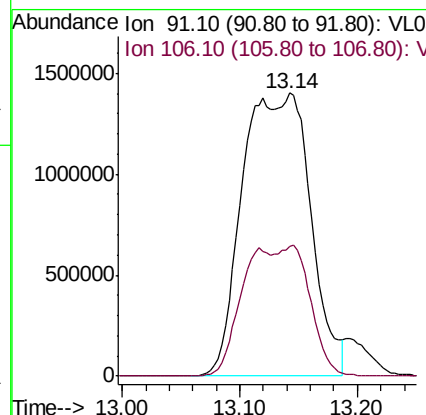
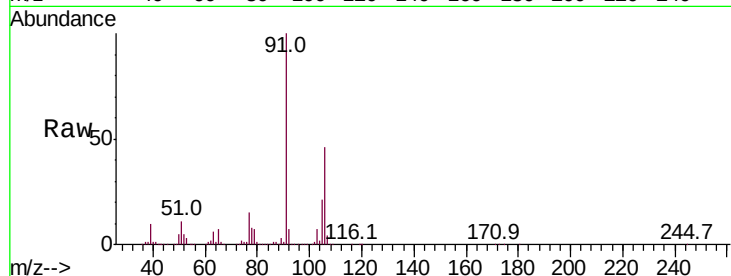
#59
m/p-Xylene
Concen: 20.061 ppbv m
RT: 13.14 min Scan# 3174
Delta R.T. -0.01 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01DUP

Tot Ion: 91 Resp: 5632208
Ion Ratio Lower Upper
91 100
106 45.2 35.8 53.6

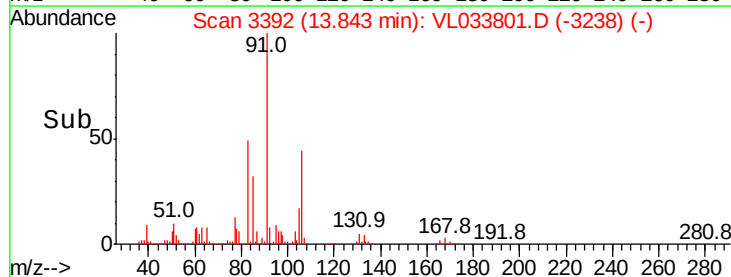
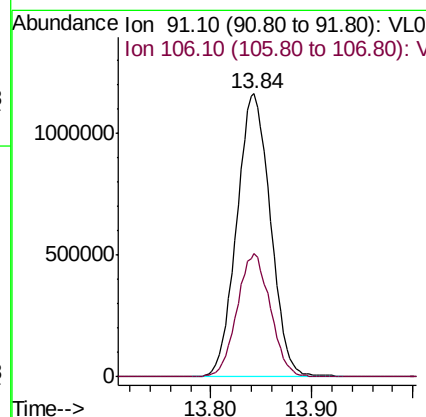
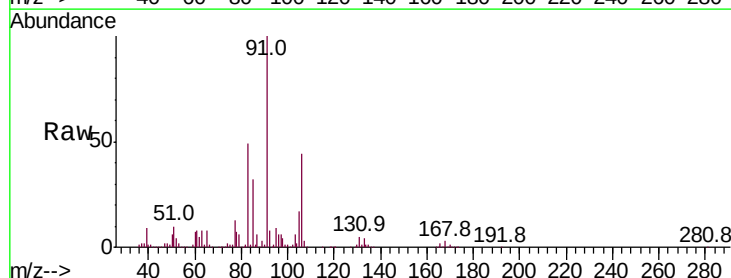
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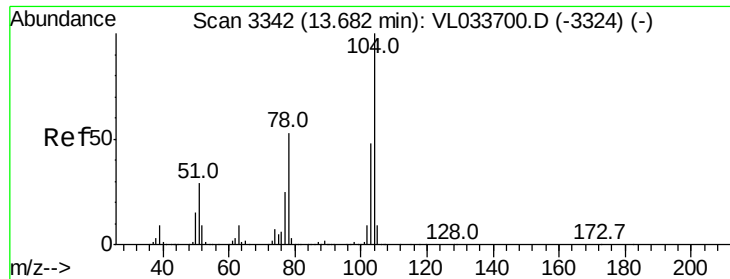
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#60
o-Xylene
Concen: 9.558 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

Tgt Ion: 91 Resp: 2705257
Ion Ratio Lower Upper
91 100
106 43.2 21.6 64.8





#61

Stvrene

Concen: 10.532 ppbv

RT: 13.68 min Scan# 3340

Delta R.T. -0.01 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion:104 Resp: 2006847

Ion Ratio Lower Upper

104 100

78 53.5 42.6 64.0

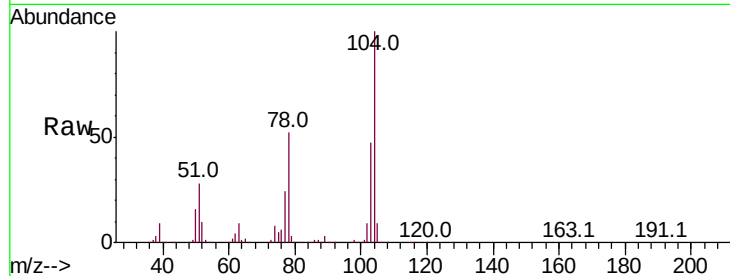
103 47.1 37.8 56.6

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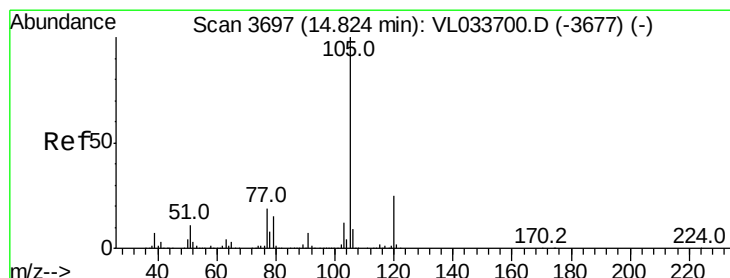
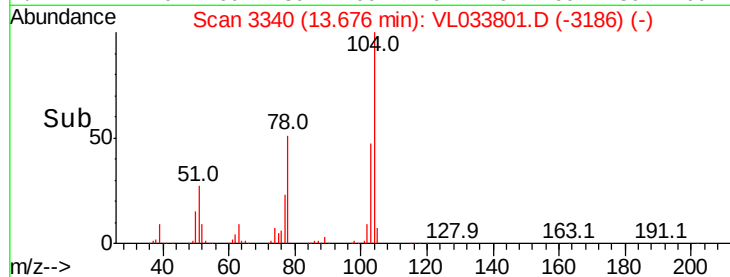
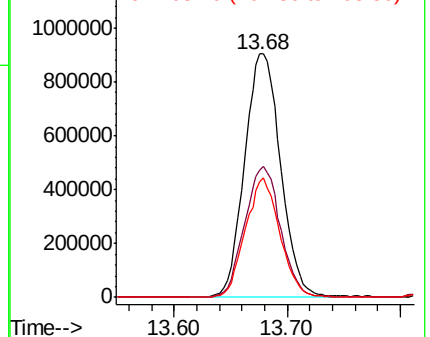
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.994 ppbv

RT: 14.82 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VL033801.D

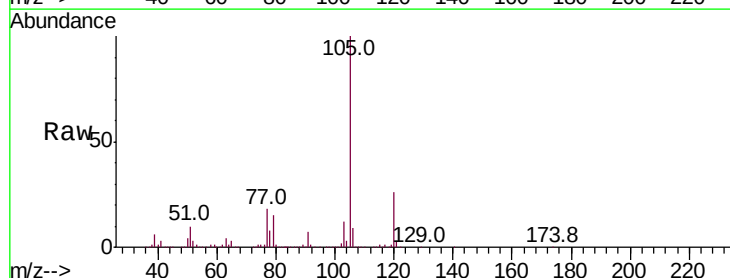
Acq: 28 May 2019 11:46

Tgt Ion:105 Resp: 3809054

Ion Ratio Lower Upper

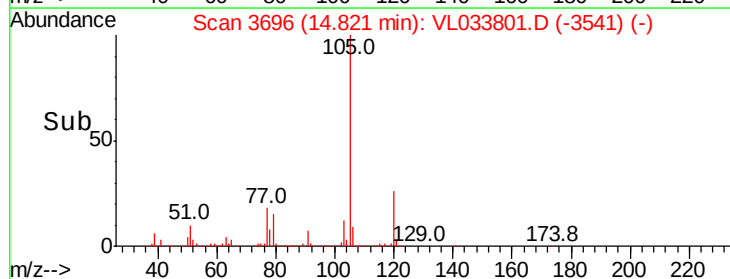
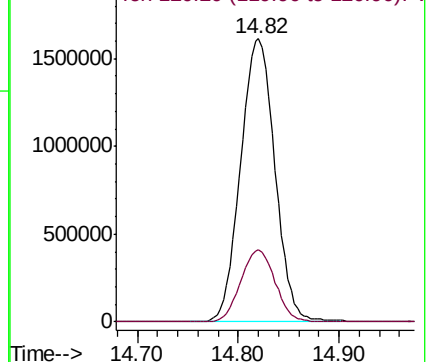
105 100

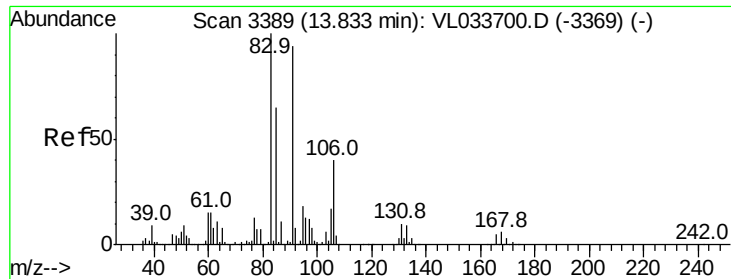
120 25.6 20.1 30.1



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: 9.061 ppbv

RT: 13.83 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion: 83 Resp: 1864911

Ion Ratio Lower Upper

83 100

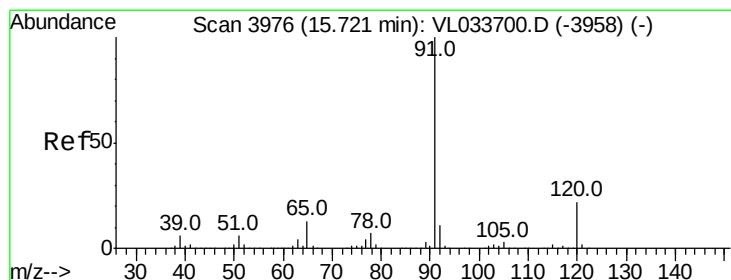
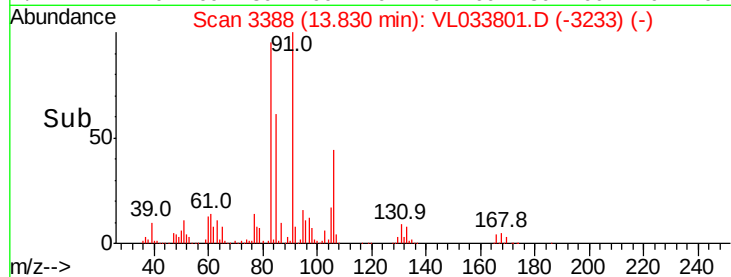
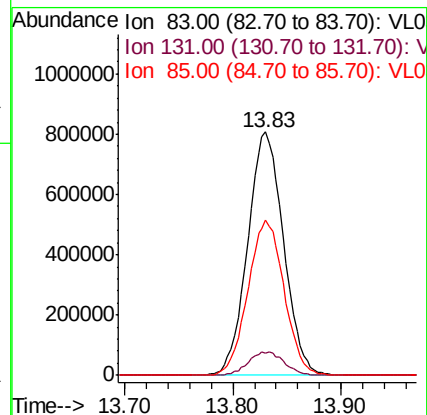
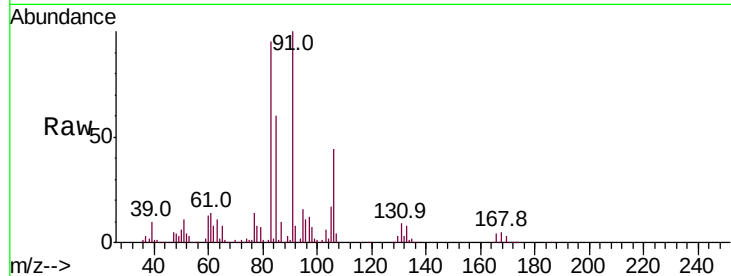
131 9.7 4.8 14.3

85 64.4 32.3 96.9

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#64

n-propylbenzene

Concen: 9.597 ppbv

RT: 15.72 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VL033801.D

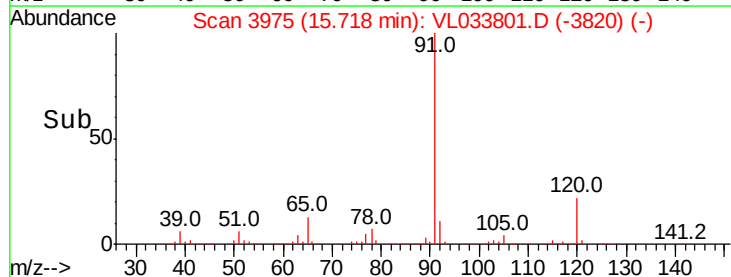
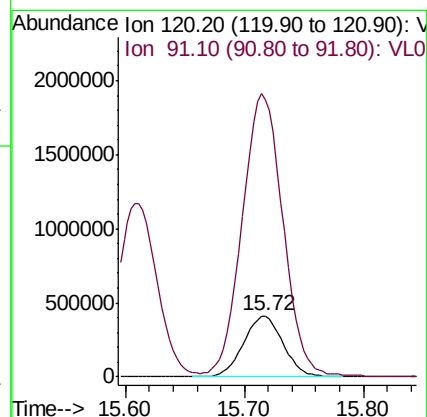
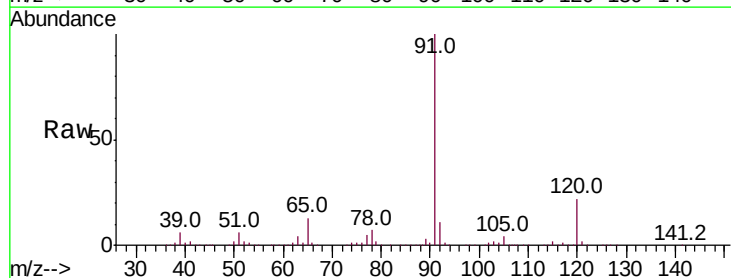
Acq: 28 May 2019 11:46

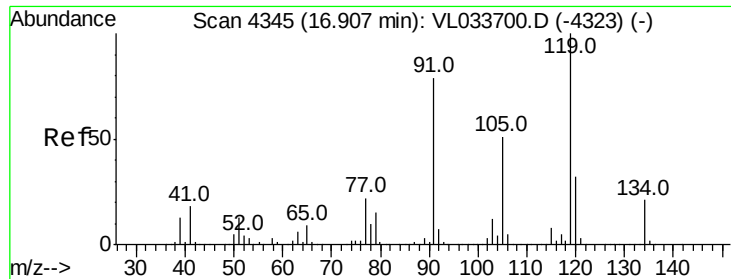
Tgt Ion: 120 Resp: 946193

Ion Ratio Lower Upper

120 100

91 482.0 379.1 568.7





#65

tert-Butylbenzene

Concen: 9.879 ppbv

RT: 16.90 min Scan# 4344

Delta R.T. -0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion:119 Resp: 3437652

Ion Ratio Lower Upper

119 100

91 81.6 65.3 97.9

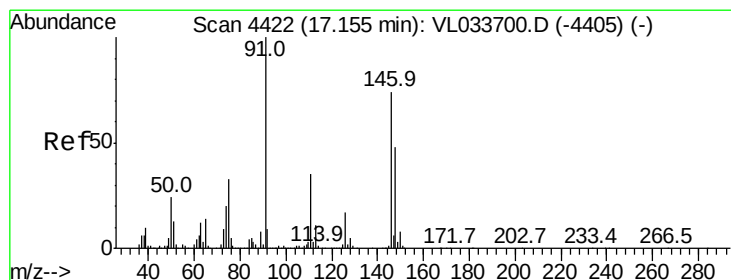
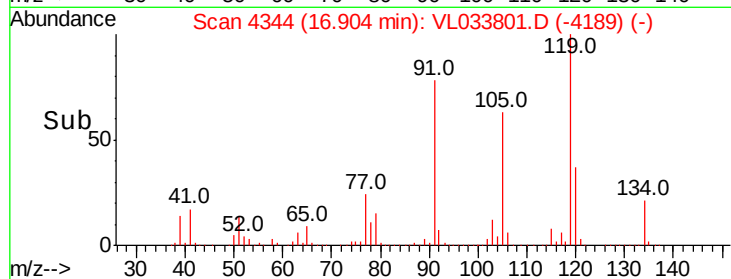
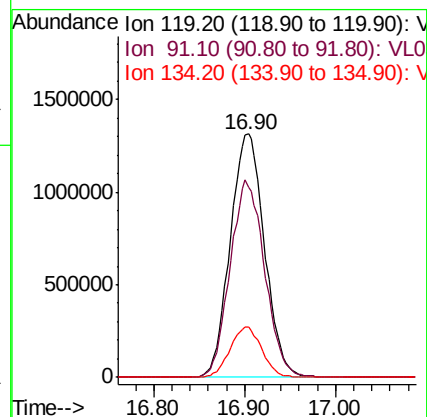
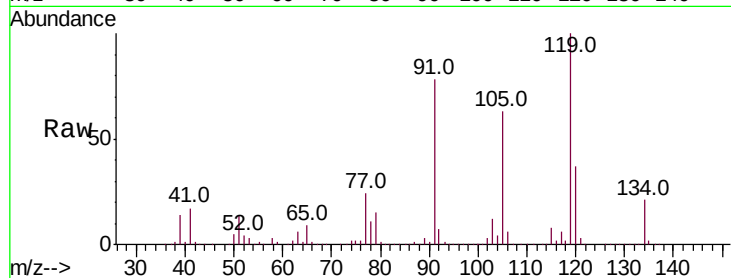
134 19.3 15.7 23.5

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#66

Benzyl Chloride

Concen: 10.382 ppbv

RT: 17.15 min Scan# 4421

Delta R.T. -0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

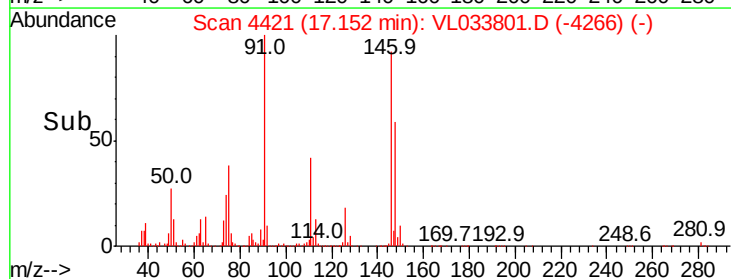
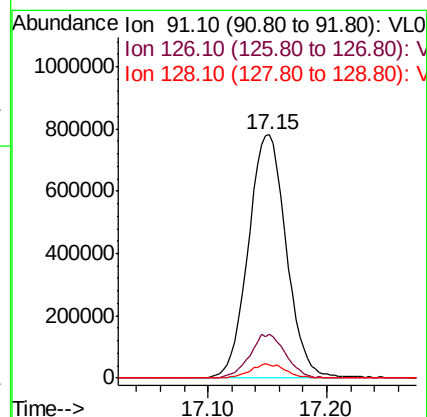
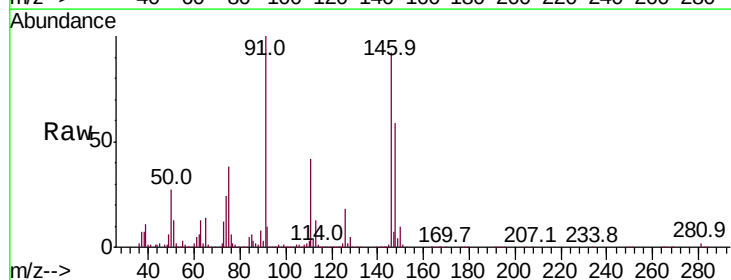
Tgt Ion: 91 Resp: 1720772

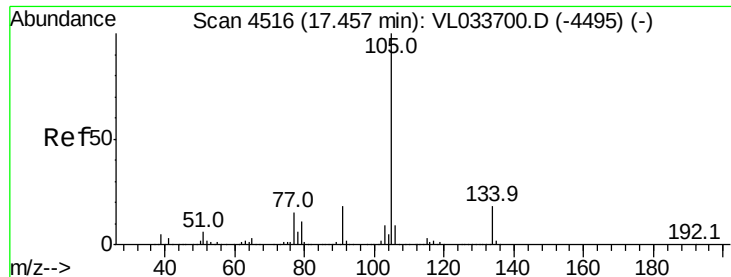
Ion Ratio Lower Upper

91 100

126 17.2 13.5 20.3

128 5.5 4.3 6.5





#67

sec-Butylbenzene

Concen: 9.817 ppbv

RT: 17.45 min Scan# 4514

Delta R.T. -0.01 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion:105 Resp: 4781621

Ion Ratio Lower Upper

105 100

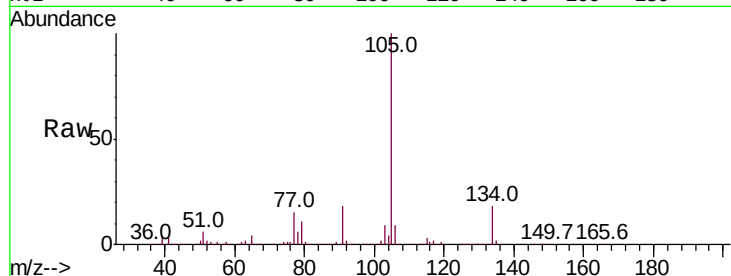
134 18.2 14.6 22.0

Manual Integrations

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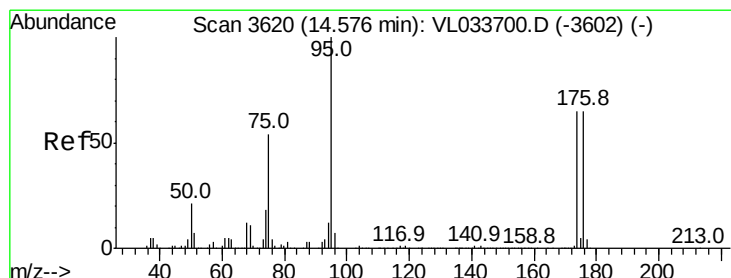
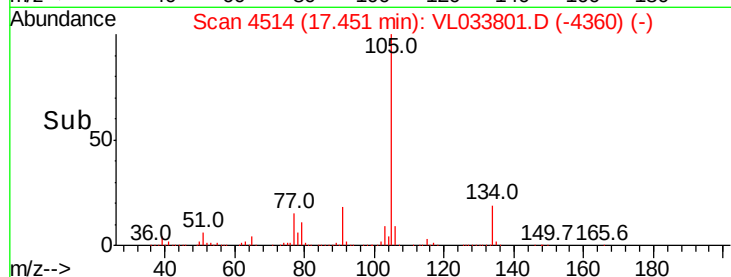
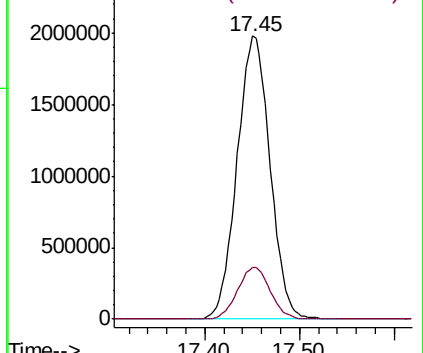
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.049 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

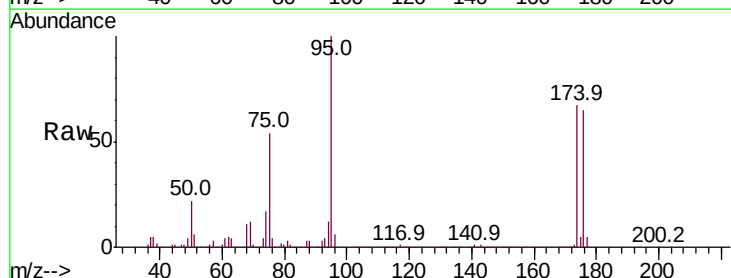
Tgt Ion: 95 Resp: 1975707

Ion Ratio Lower Upper

95 100

174 67.7 53.9 80.9

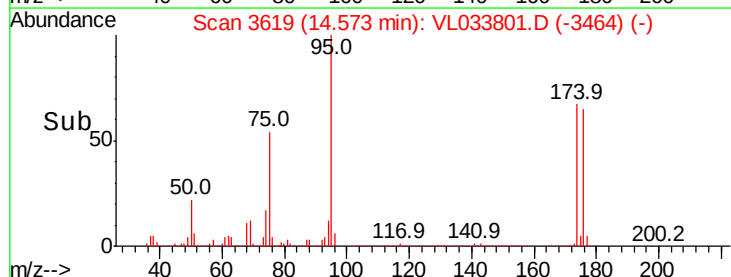
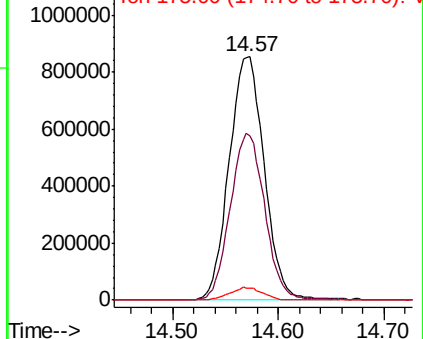
175 5.0 3.8 5.8

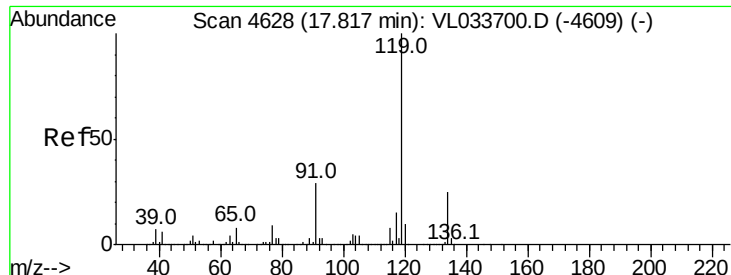


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





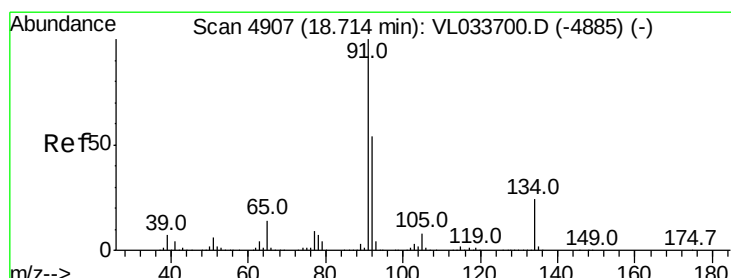
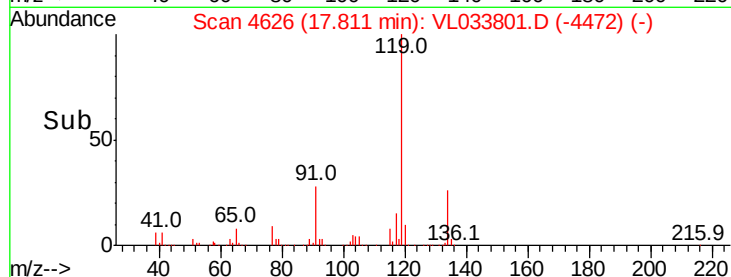
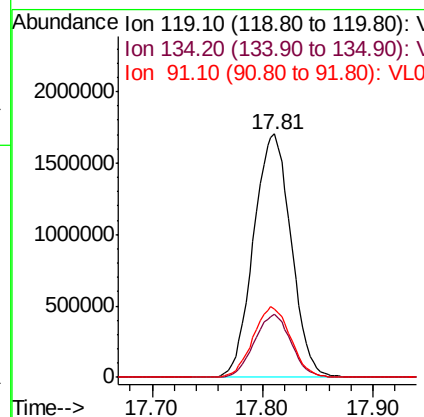
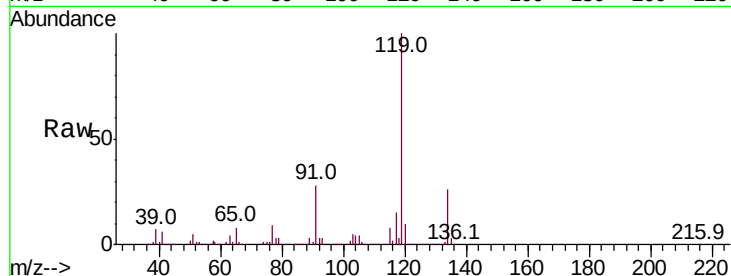
#69
 p-Isopropyltoluene
 Concen: 9.994 ppbv
 RT: 17.81 min Scan# 4626
 Delta R.T. -0.01 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

Tot Ion: 119 Resp: 4023225
 Ion Ratio Lower Upper
 119 100
 134 25.3 20.3 30.5
 91 29.1 23.1 34.7

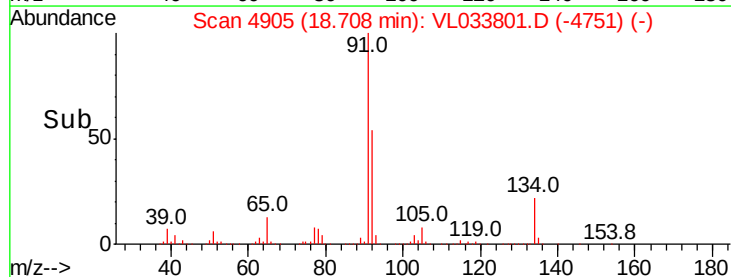
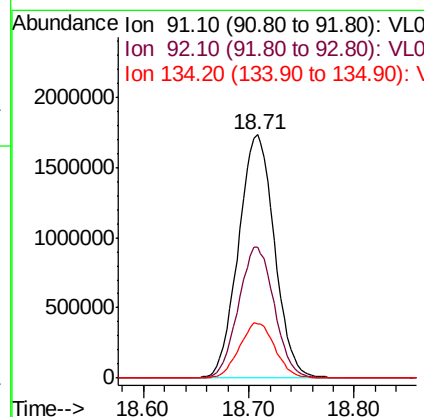
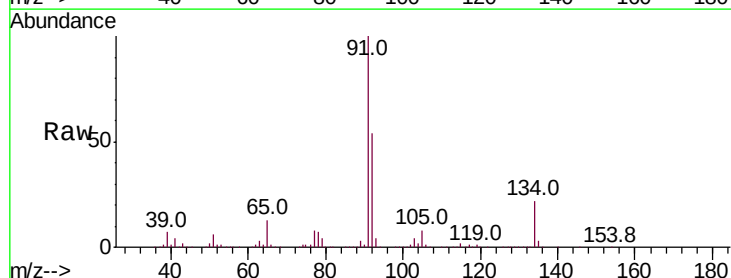
Manual Integrations
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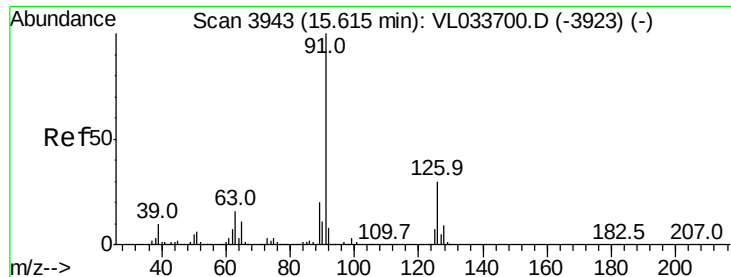
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#70
 n-Butylbenzene
 Concen: 9.503 ppbv
 RT: 18.71 min Scan# 4905
 Delta R.T. -0.01 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Tgt Ion: 91 Resp: 4102406
 Ion Ratio Lower Upper
 91 100
 92 53.7 42.6 63.8
 134 22.4 18.1 27.1





#71

2-Chlorotoluene

Concen: 9.727 ppbv

RT: 15.61 min Scan# 3941

Delta R.T. -0.01 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion: 91 Resp: 2750538

Ion Ratio Lower Upper

91 100

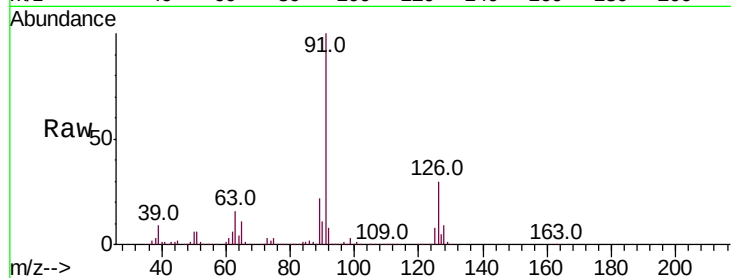
126 30.2 12.0 47.8

Manual Integrations

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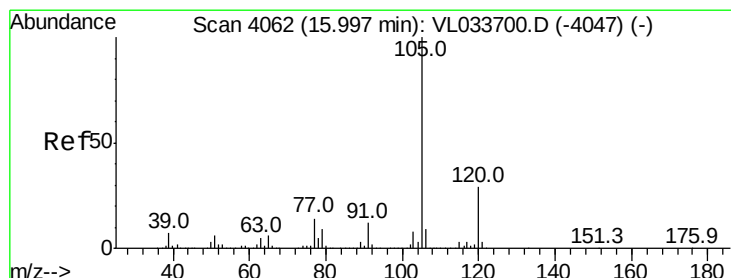
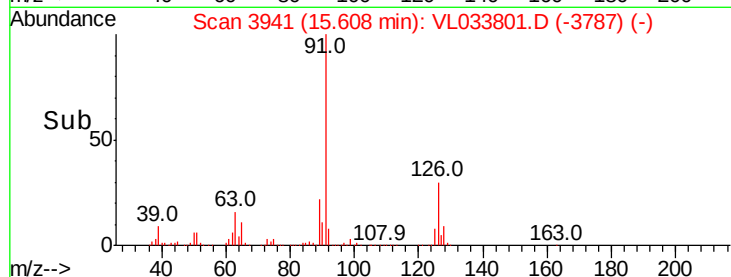
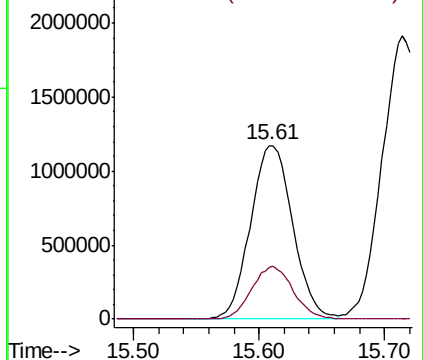
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.989 ppbv

RT: 15.99 min Scan# 4060

Delta R.T. -0.01 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Tgt Ion:105 Resp: 3232271

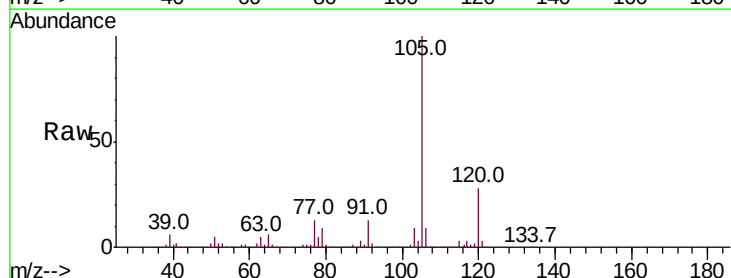
Ion Ratio Lower Upper

105 100

120 29.3 23.1 34.7

91 13.0 10.4 15.6

77 14.0 11.0 16.6

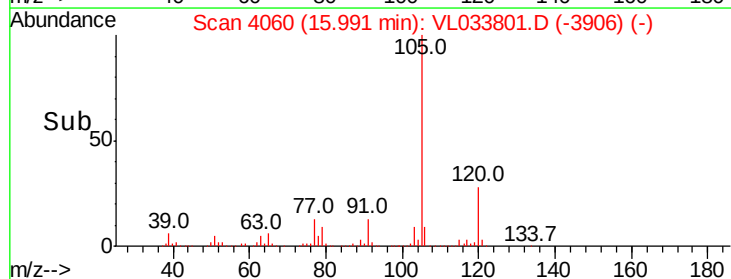
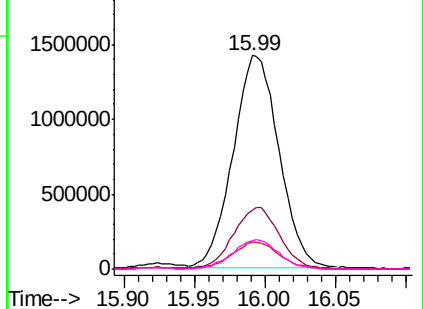


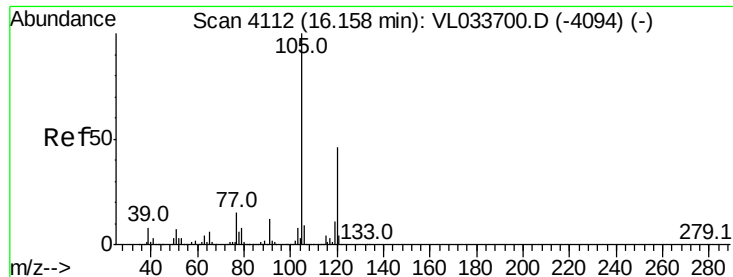
Abundance Ion 105.10 (104.80 to 105.80): V

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: 9.849 ppbv

RT: 16.15 min Scan# 4110

Delta R.T. -0.01 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion:105 Resp: 3109590

Ion Ratio Lower Upper

105 100

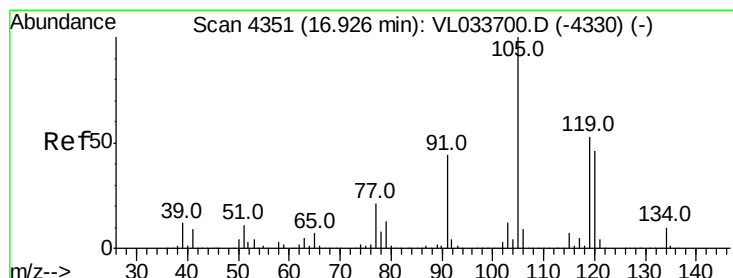
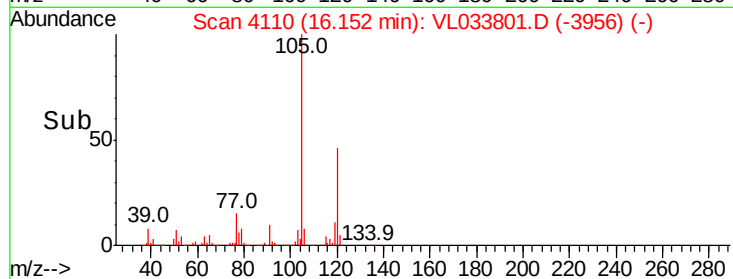
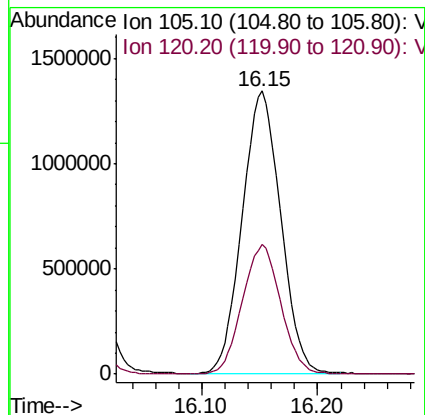
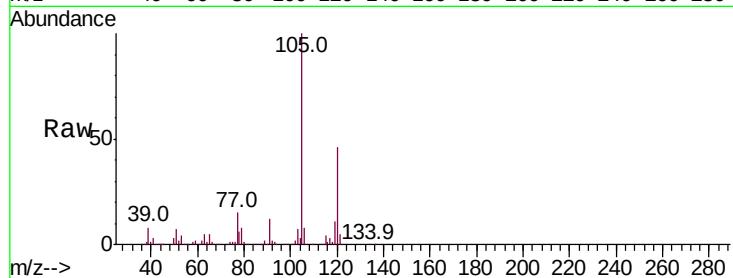
120 45.7 37.0 55.4

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#74

1,2,4-Trimethylbenzene

Concen: 9.577 ppbv

RT: 16.92 min Scan# 4349

Delta R.T. -0.01 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Tgt Ion:105 Resp: 3290683

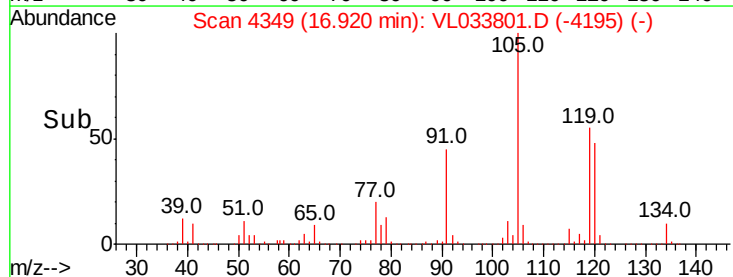
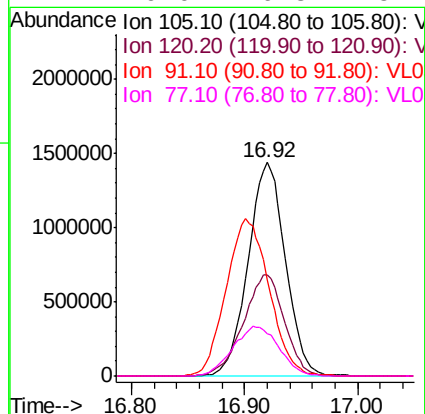
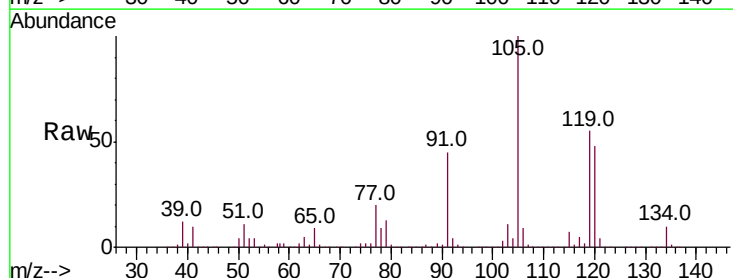
Ion Ratio Lower Upper

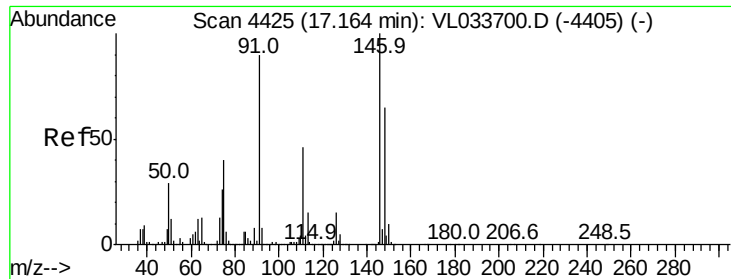
105 100

120 47.5 36.8 55.2

91 44.6 35.4 53.0

77 20.0 16.8 25.2





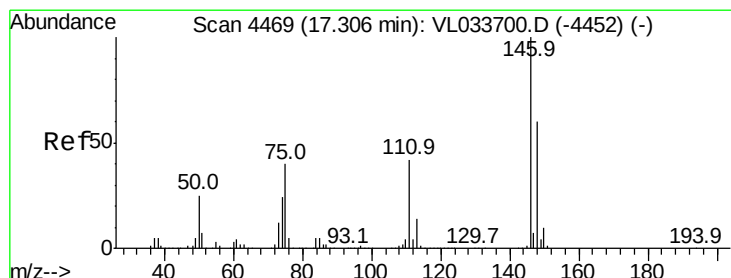
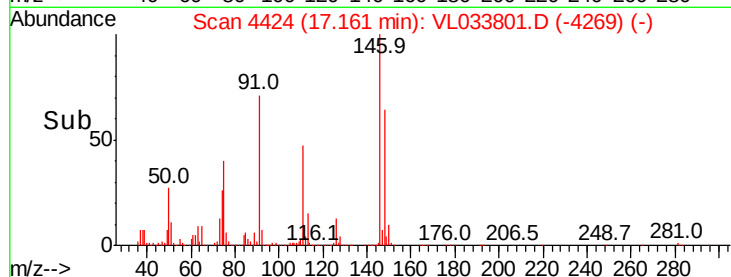
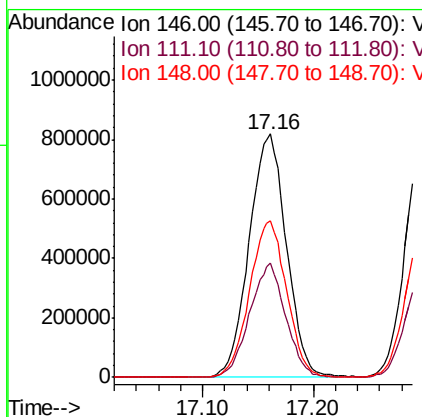
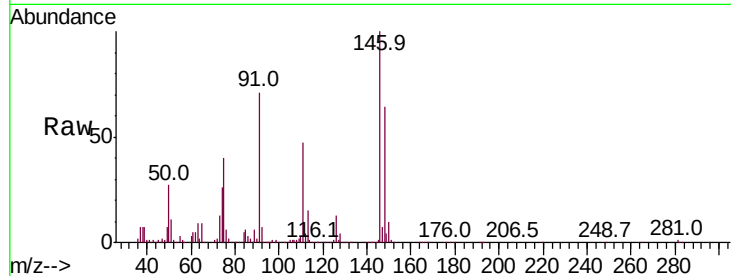
#75
 1,3-Dichlorobenzene
 Concen: 9.083 ppbv
 RT: 17.16 min Scan# 4424
 Delta R.T. -0.00 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

Tot Ion:146 Resp: 1912475
 Ion Ratio Lower Upper
 146 100
 111 45.4 22.9 68.8
 148 64.1 32.0 96.2

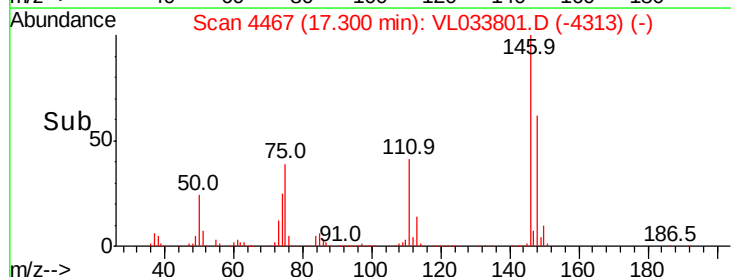
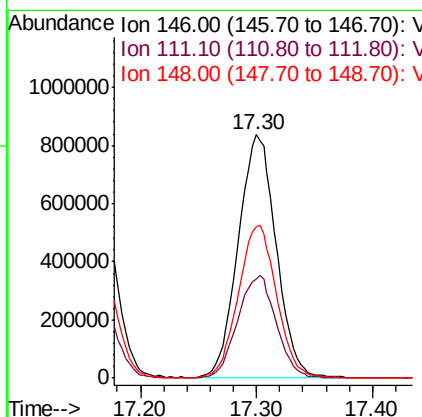
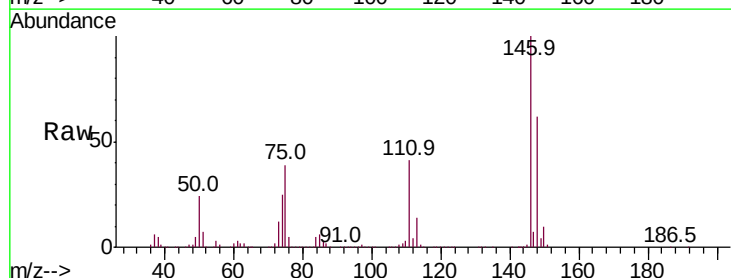
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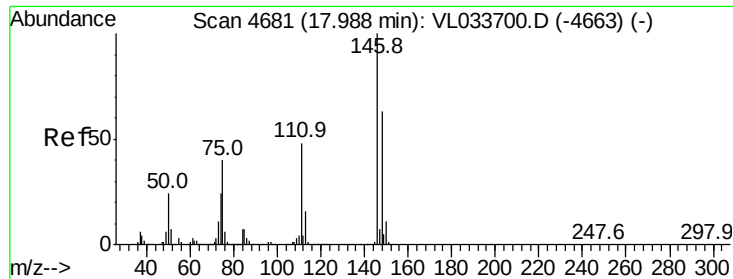
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#76
 1,4-Dichlorobenzene
 Concen: 9.474 ppbv
 RT: 17.30 min Scan# 4467
 Delta R.T. -0.01 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Tgt Ion:146 Resp: 1895918
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.9 65.8
 148 63.9 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 9.206 ppbv

RT: 17.98 min Scan# 4679

Delta R.T. -0.01 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS01DUP

Tot Ion:146 Resp: 1821408

Ion Ratio Lower Upper

146 100

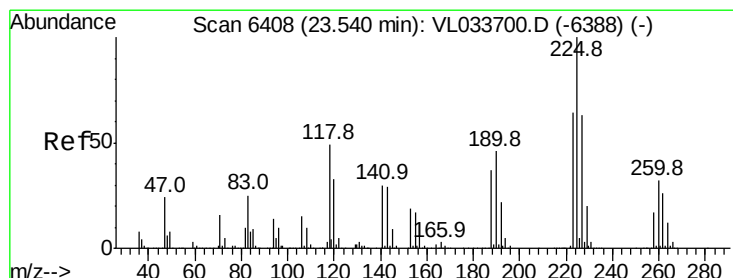
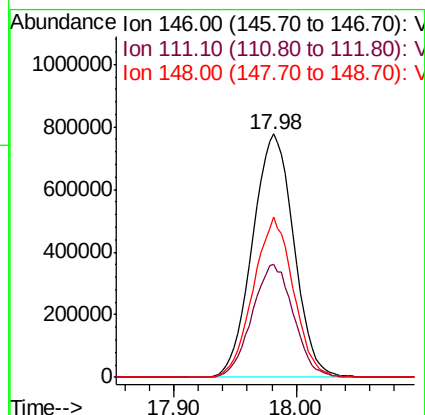
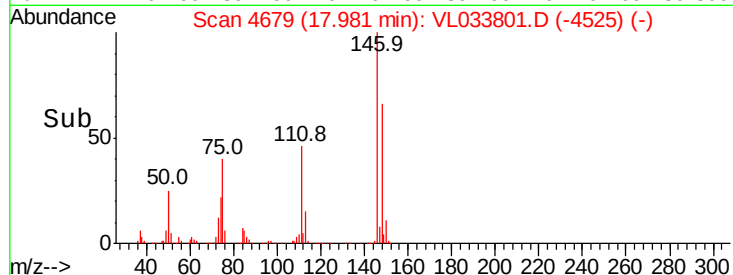
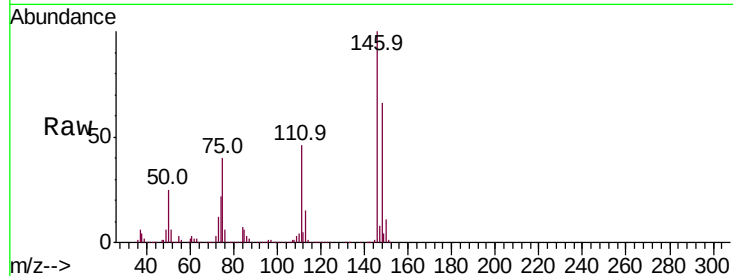
111 46.7 23.5 70.5

148 64.1 32.1 96.3

Manual Integrations
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#78

Hexachloro-1,3-Butadiene

Concen: 6.898 ppbv

RT: 23.54 min Scan# 6407

Delta R.T. -0.00 min

Lab File: VL033801.D

Acq: 28 May 2019 11:46

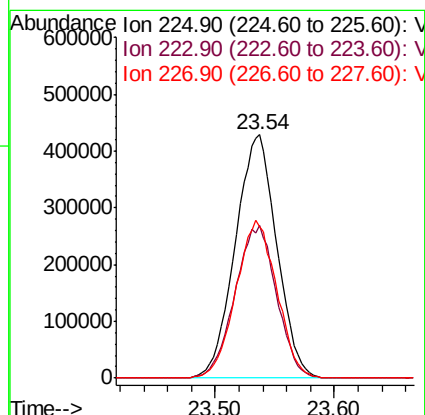
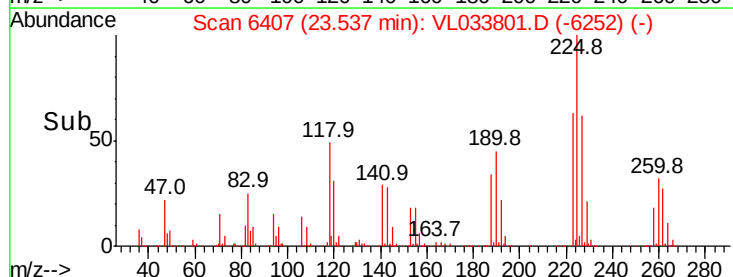
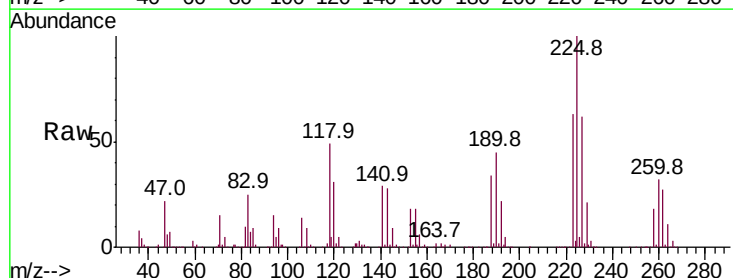
Tgt Ion:225 Resp: 1031812

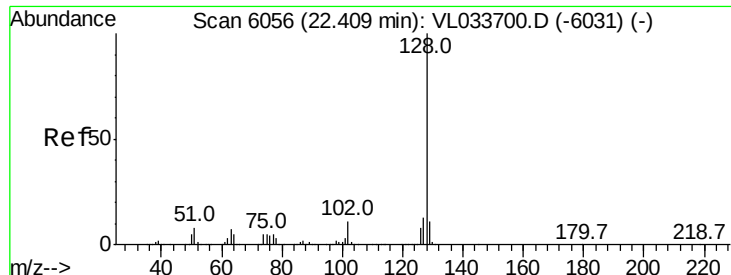
Ion Ratio Lower Upper

225 100

223 63.1 50.2 75.4

227 64.1 50.7 76.1





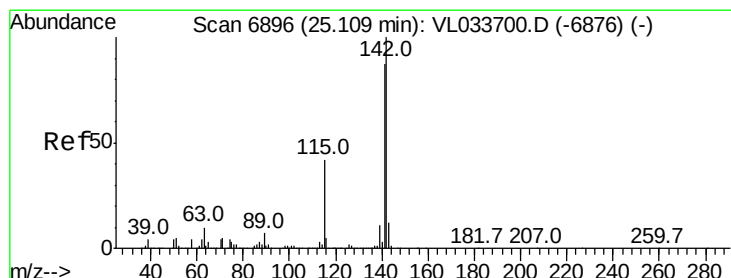
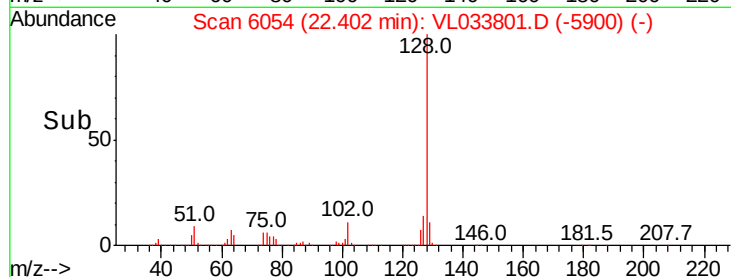
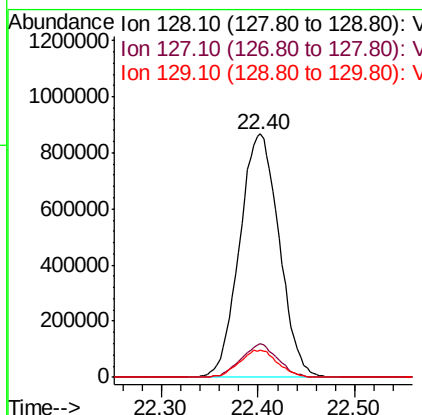
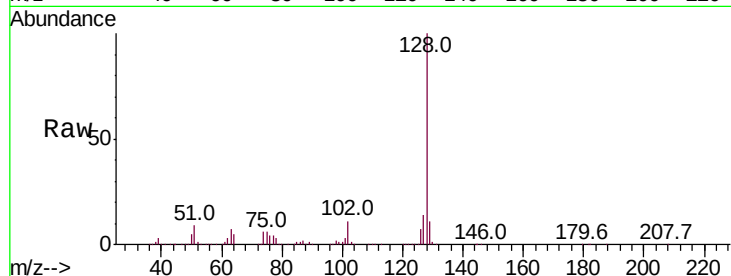
#79
Naphthalene
Concen: 7.720 ppbv
RT: 22.40 min Scan# 6054
Delta R.T. -0.01 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01DUP

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.6	16.0
129	11.1	8.9	13.3

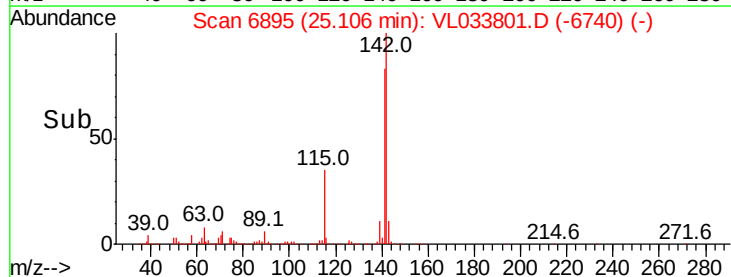
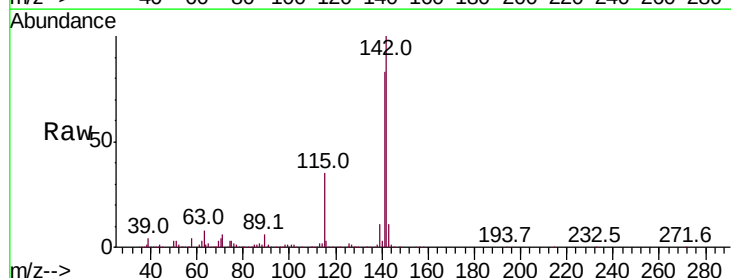
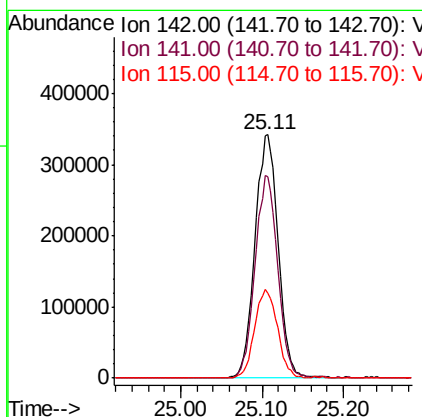
Manual Integrations
APPROVED

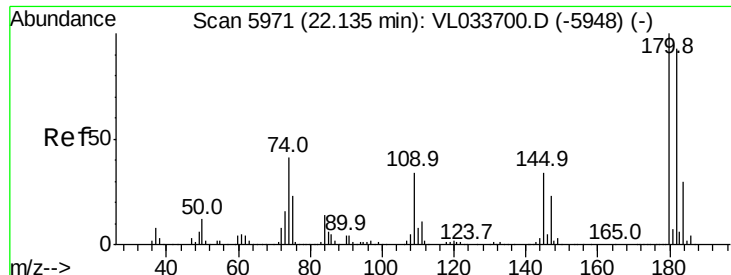
apatel
5/29/2019 12:39:56 PM



#80
Naphthalene, 2-methyl-
Concen: 5.481 ppbv
RT: 25.11 min Scan# 6895
Delta R.T. -0.00 min
Lab File: VL033801.D
Acq: 28 May 2019 11:46

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.9	67.2	100.8
115	36.3	34.1	51.1





#81
 1,2,4-Trichlorobenzene
 Concen: 7.717 ppbv
 RT: 22.13 min Scan# 5969
 Delta R.T. -0.01 min
 Lab File: VL033801.D
 Acq: 28 May 2019 11:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS01DUP

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.1	114.1
184	30.4	24.6	37.0

Manual Integrations
 APPROVED

apatel
 5/29/2019 12:39:56 PM

