

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122018\
 Data File : VL033024.D
 Acq On : 20 Dec 2018 13:15
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 8:26:18 AM

Quant Time: Dec 21 06:27:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1181039	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2928740	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2906906m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2218519	10.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	1699639	10.780	ppbv	99
3) Chlorodifluoromethane	3.02	51	911017	10.185	ppbv	100
4) Chloromethane	3.17	50	500790	9.617	ppbv	95
5) Vinyl Chloride	3.29	62	520122	9.817	ppbv	99
6) Bromomethane	3.52	94	340659	10.280	ppbv	95
7) Chloroethane	3.60	64	202288	10.652	ppbv	94
8) Dichlorotetrafluoroethane	3.22	85	1318493	10.063	ppbv	99
9) Propene	3.04	41	372851	10.542	ppbv	96
10) Heptane	8.25	43	1330789	10.017	ppbv	99
11) Trichlorofluoromethane	4.01	101	1544518	10.398	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1052047	8.301	ppbv	100
13) Ethanol	3.65	45	101050	8.298	ppbv	98
14) Bromoethene	3.79	108	461498	10.968	ppbv	99
15) Acetone	3.90	43	985689	9.723	ppbv	100
16) 1,3-Butadiene	3.37	39	459107	11.415	ppbv	95
17) tert-Butyl alcohol	4.36	59	249906	9.683	ppbv #	81
18) 1,1-Dichloroethene	4.35	96	481035	9.691	ppbv	98
19) Isopropyl Alcohol	4.02	45	701463	11.019	ppbv	99
20) Methylene Chloride	4.41	84	414988	8.376	ppbv	99
21) Allyl Chloride	4.48	41	756354	9.155	ppbv	98
22) trans-1,2-Dichloroethene	4.97	96	480680	7.803	ppbv	97
23) Vinyl Acetate	5.16	43	1968339	11.468	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1463178	9.804	ppbv	99
25) Ethyl Acetate	5.77	43	2477541	10.346	ppbv	100
26) Hexane	5.79	57	1143858	10.346	ppbv	98
27) Carbon Disulfide	4.62	76	1219939	8.825	ppbv	100
28) Methyl tert-Butyl Ether	5.12	73	1906046	11.479	ppbv	100
29) Chloroform	5.85	83	1893427	9.598	ppbv	95
30) Cyclohexane	7.25	84	959774	10.474	ppbv	99
31) cis-1,2-Dichloroethene	5.65	61	1184894	11.679	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1972750	9.451	ppbv	99
34) 2-Butanone	5.33	43	1178637	9.239	ppbv	99
35) Carbon Tetrachloride	7.14	117	2155214	9.362	ppbv	99
36) Benzene	7.01	78	2215840	10.286	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1495887	10.199	ppbv	99
38) Trichloroethene	7.96	130	950088	10.598	ppbv	99
39) 1,2-Dichloropropane	7.74	63	818546	10.019	ppbv	97
40) 1,4-Dioxane	7.96	88	313055	10.403	ppbv #	95
41) Tetrahydrofuran	6.15	42	881112	11.105	ppbv	100
42) Bromodichloromethane	7.92	83	1972792	9.709	ppbv	99
43) Methyl Methacrylate	8.14	69	858746m	10.758	ppbv	

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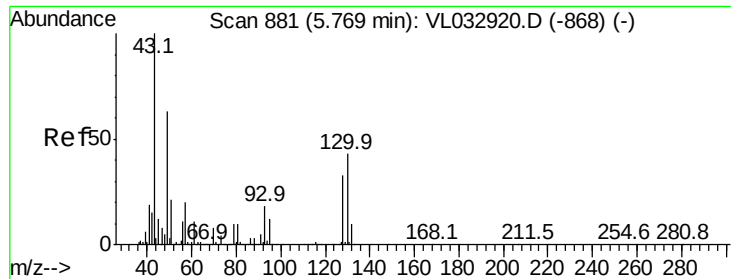
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	3841818	10.507	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1233145	12.600	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	1102481	9.204	ppbv	98
47) 1,1,2-Trichloroethane	9.62	97	940109	10.455	ppbv	98
48) Dibromochloromethane	10.46	129	1753232	10.393	ppbv	99
49) Bromoform	13.21	173	1193431	8.602	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	1664852	8.161	ppbv	100
51) 2-Hexanone	10.28	43	1633616	11.808	ppbv	99
52) Tetrachloroethene	11.38	164	835058	10.657	ppbv	98
53) Toluene	9.95	91	2599964	11.380	ppbv	99
54) 1,2-Dibromoethane	10.77	107	1145604	8.155	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.28	131	1242325	9.586	ppbv	99
57) Chlorobenzene	12.31	112	2032143	9.679	ppbv	99
58) Ethyl Benzene	12.87	91	2817779	9.087	ppbv	99
59) m/p-Xylene	13.16	91	4801580m	17.079	ppbv	
60) o-Xylene	13.86	91	3074041	10.827	ppbv	99
61) Styrene	13.69	104	2271464	12.027	ppbv	100
62) Isopropylbenzene	14.83	105	4367893	11.027	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	2110383	9.573	ppbv	99
64) n-propylbenzene	15.73	120	1113568	10.823	ppbv	98
65) tert-Butylbenzene	16.92	119	3827564	10.423	ppbv	100
66) Benzyl Chloride	17.16	91	2261882	11.113	ppbv	99
67) sec-Butylbenzene	17.47	105	5392063	9.959	ppbv	100
69) p-Isopropyltoluene	17.82	119	4529531	10.323	ppbv	100
70) n-Butylbenzene	18.72	91	4589584	11.369	ppbv	100
71) 2-Chlorotoluene	15.62	91	3219159	10.928	ppbv	100
72) 4-Ethyltoluene	16.01	105	3587106	11.317	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	3472635	11.222	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	3471620	9.936	ppbv	97
75) 1,3-Dichlorobenzene	17.17	146	1964803	9.549	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	1910077	9.948	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	1928399	10.036	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	929856	8.799	ppbv	99
79) Naphthalene	22.42	128	2801557	12.418	ppbv	99
80) Naphthalene, 2-methyl-	25.12	142	690502	14.325	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1410410	11.788	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

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Acq: 20 Dec 2018 13:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1181039

Ion Ratio Lower Upper

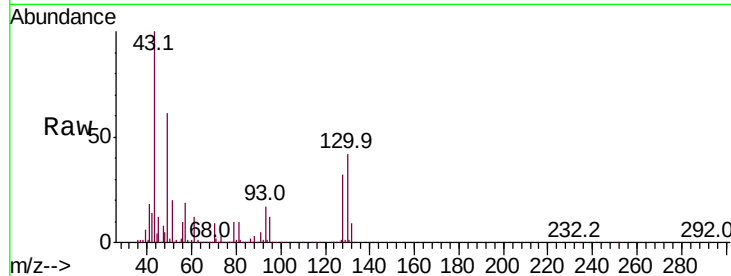
49 100

128 53.1 26.3 78.8

130 68.2 33.9 101.7

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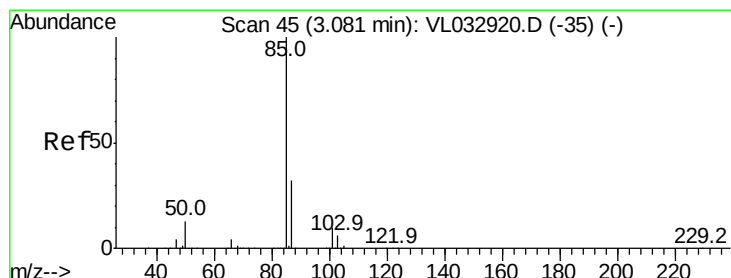
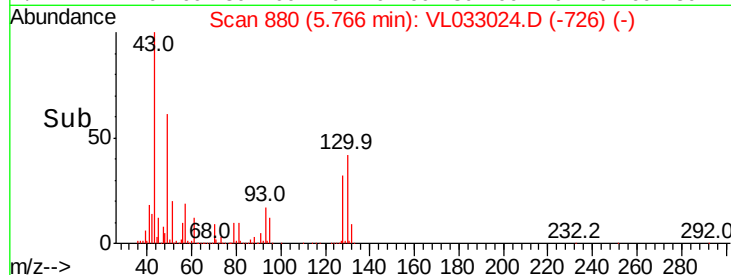
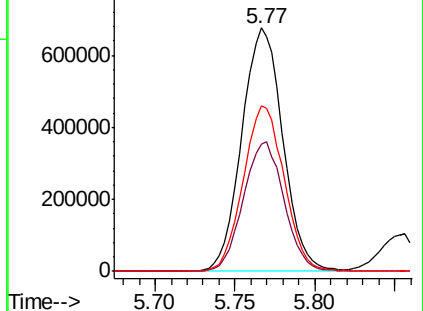
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 10.780 ppbv

RT: 3.08 min Scan# 44

Delta R.T. -0.00 min

Lab File: VL033024.D

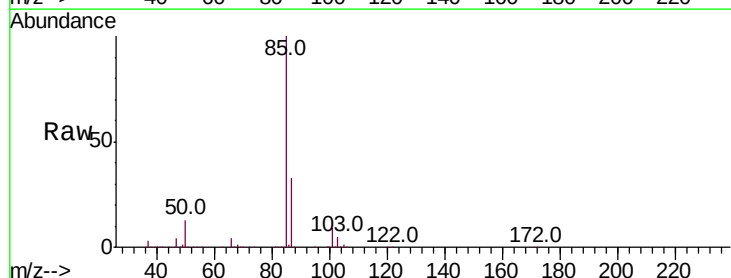
Acq: 20 Dec 2018 13:15

Tgt Ion: 85 Resp: 1699639

Ion Ratio Lower Upper

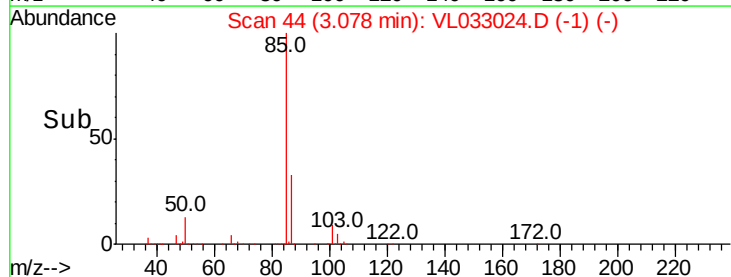
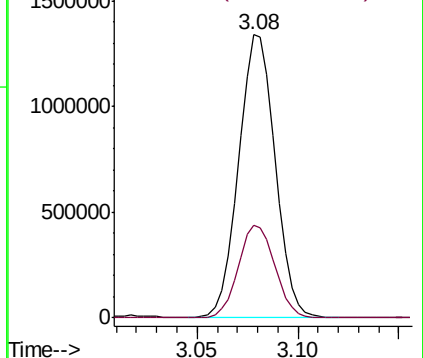
85 100

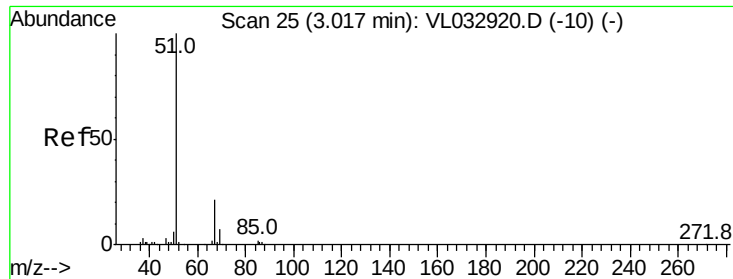
87 32.8 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.185 ppbv

RT: 3.02 min Scan# 25

Delta R.T. -0.00 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 911017

Ion Ratio Lower Upper

51 100

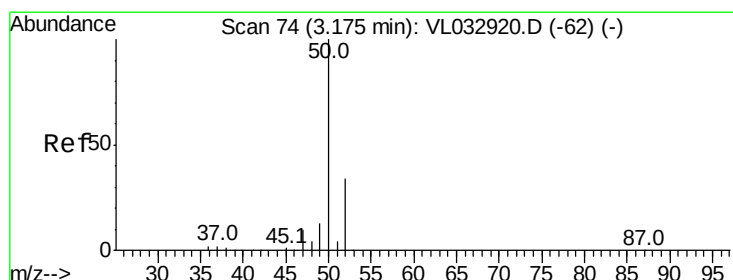
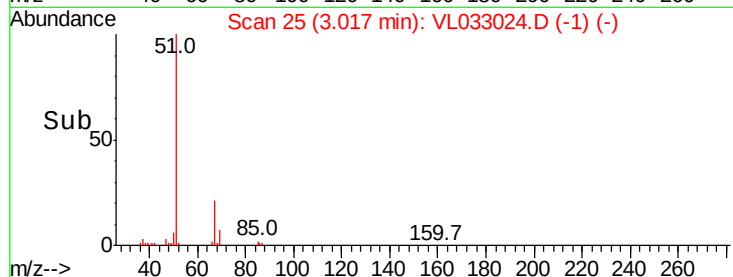
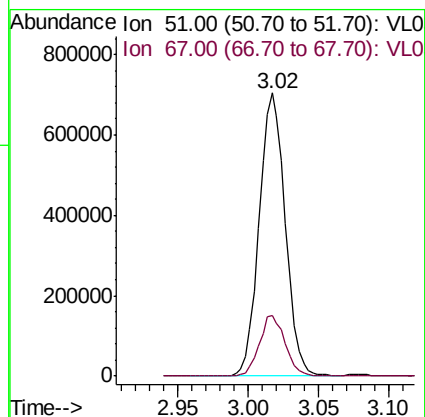
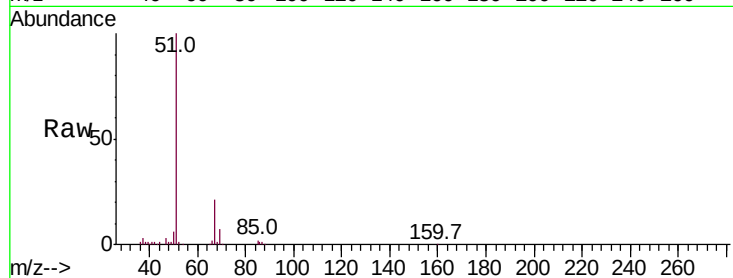
67 21.0 16.8 25.2

Manual Integrations

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12/24/2018 8:26:18 AM



#4

Chloromethane

Concen: 9.617 ppbv

RT: 3.17 min Scan# 74

Delta R.T. -0.00 min

Lab File: VL033024.D

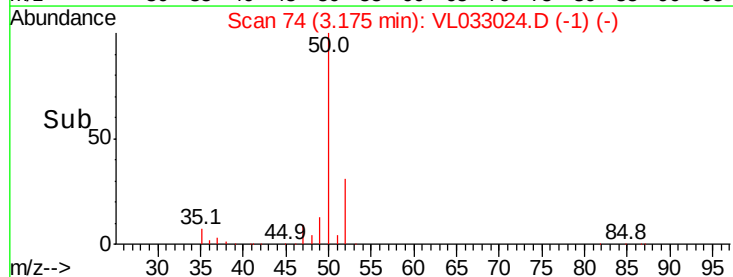
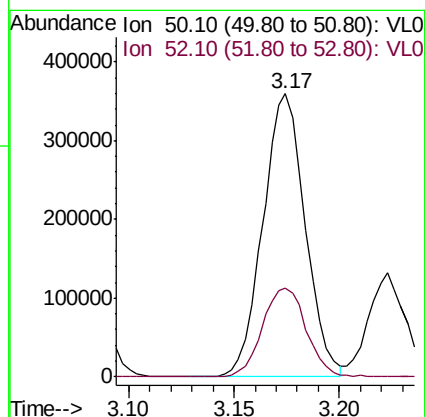
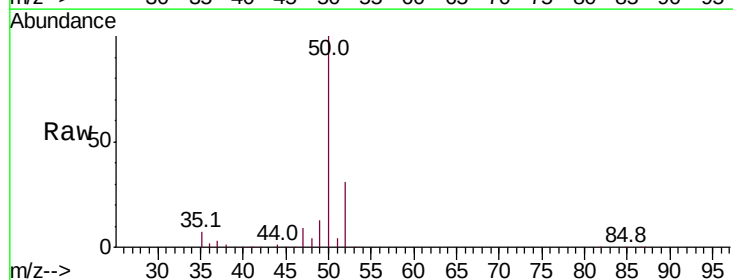
Acq: 20 Dec 2018 13:15

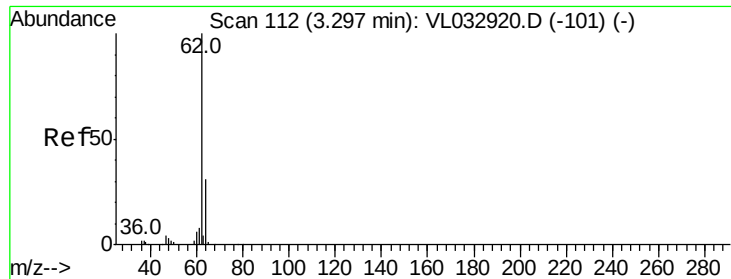
Tgt Ion: 50 Resp: 500790

Ion Ratio Lower Upper

50 100

52 31.3 27.3 40.9





#5

Vinyl Chloride

Concen: 9.817 ppbv

RT: 3.29 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 520122

Ion Ratio Lower Upper

62 100

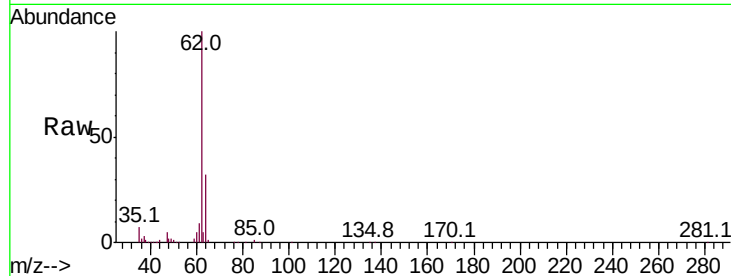
64 31.8 24.8 37.2

Manual Integrations

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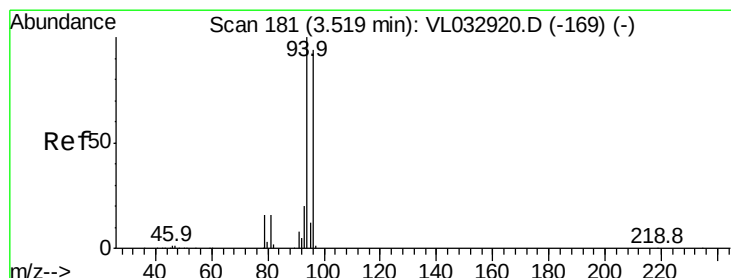
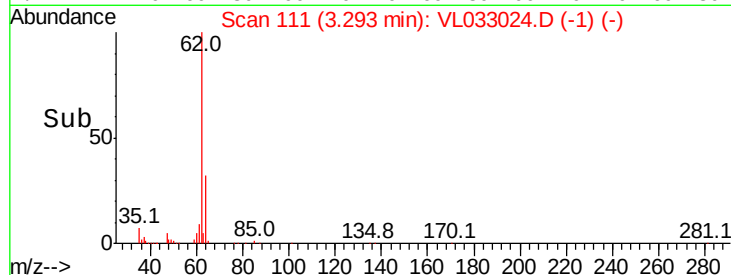
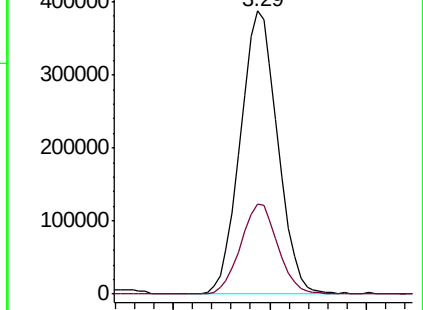
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12/24/2018 8:26:18 AM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.280 ppbv

RT: 3.52 min Scan# 180

Delta R.T. -0.00 min

Lab File: VL033024.D

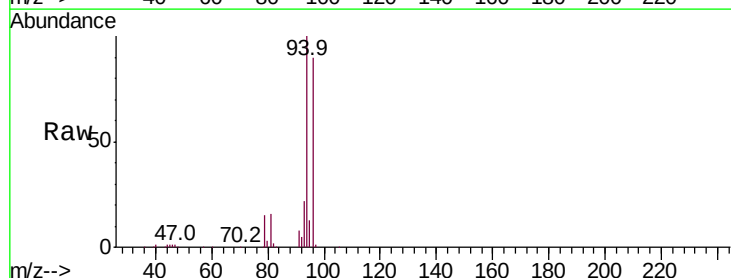
Acq: 20 Dec 2018 13:15

Tgt Ion: 94 Resp: 340659

Ion Ratio Lower Upper

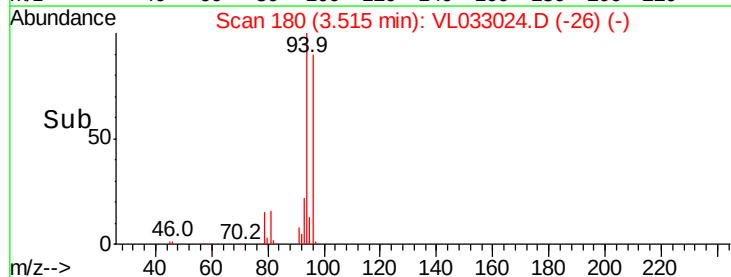
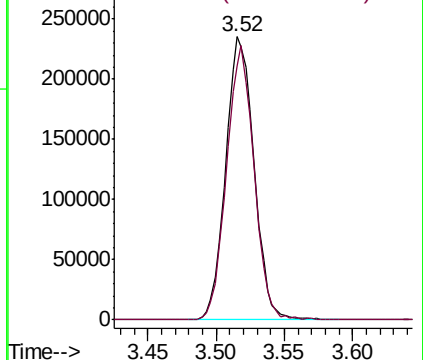
94 100

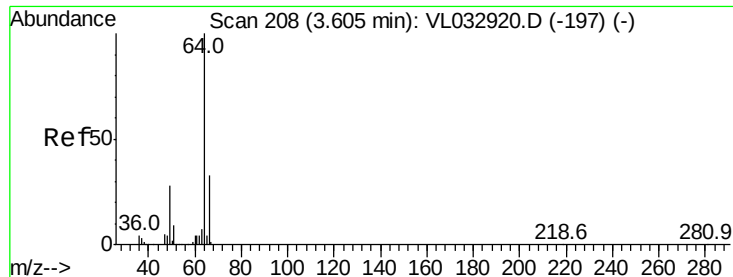
96 89.6 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.652 ppbv

RT: 3.60 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 202288

Ion Ratio Lower Upper

64 100

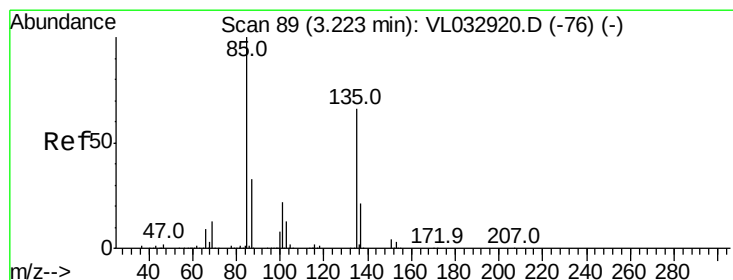
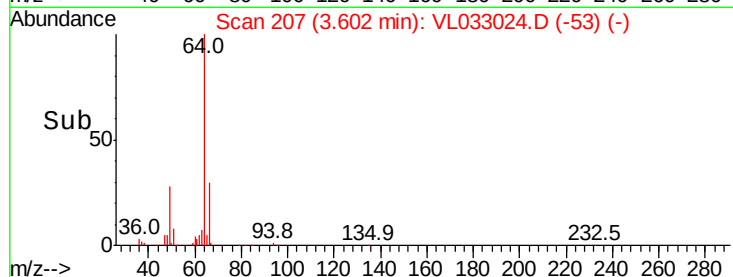
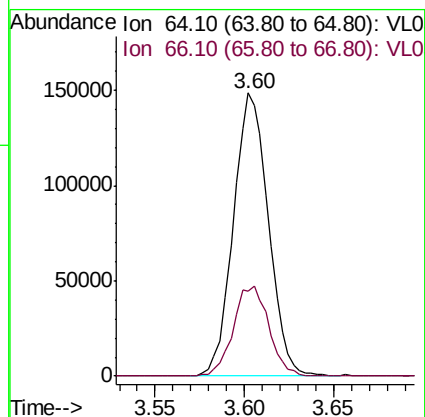
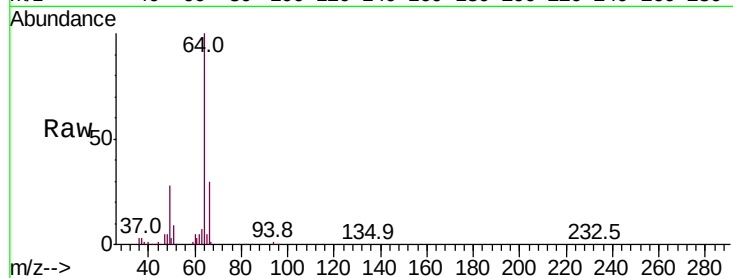
66 29.8 26.6 40.0

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12/24/2018 8:26:18 AM



#8

Dichlorotetrafluoroethane

Concen: 10.063 ppbv

RT: 3.22 min Scan# 89

Delta R.T. -0.00 min

Lab File: VL033024.D

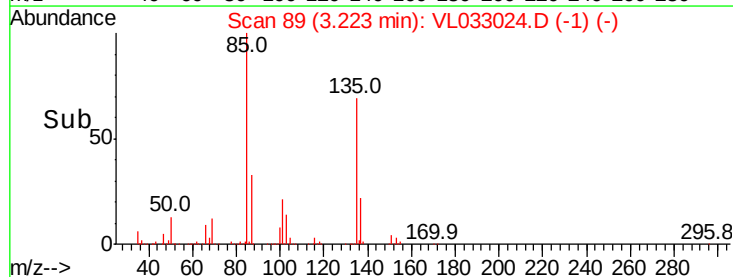
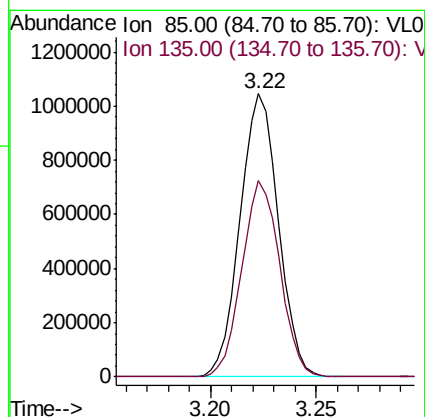
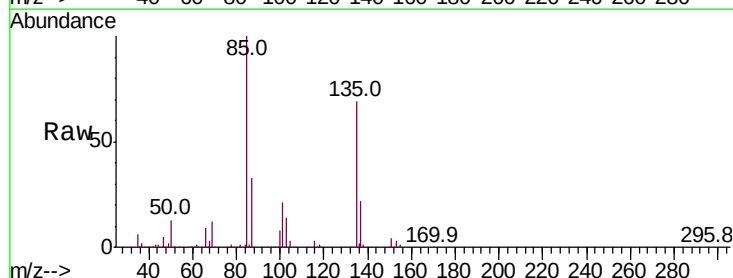
Acq: 20 Dec 2018 13:15

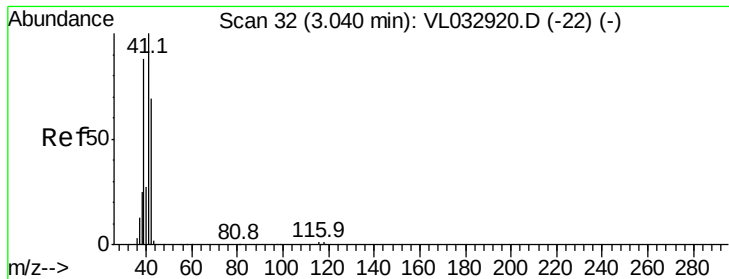
Tgt Ion: 85 Resp: 1318493

Ion Ratio Lower Upper

85 100

135 69.1 54.5 81.7





#9

Propene

Concen: 10.542 ppbv

RT: 3.04 min Scan# 32

Delta R.T. -0.00 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 372851

Ion Ratio Lower Upper

41 100

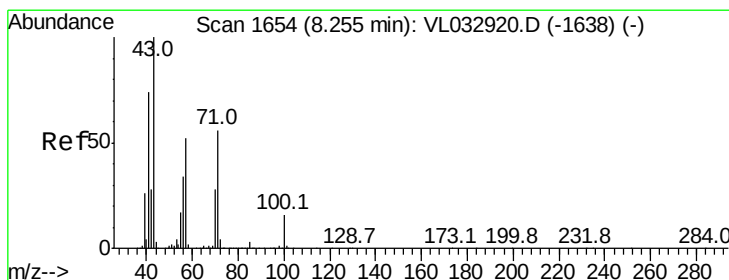
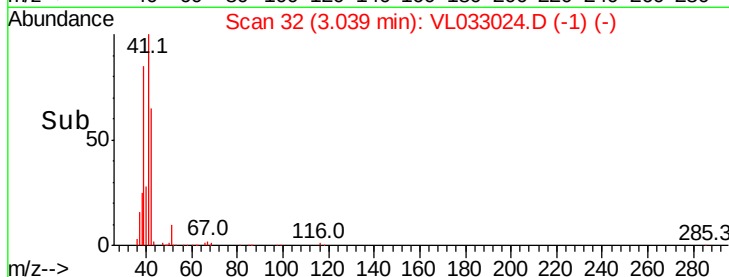
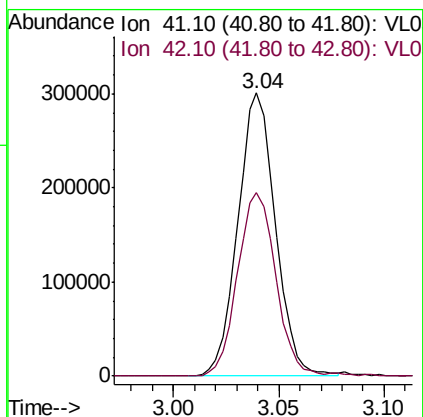
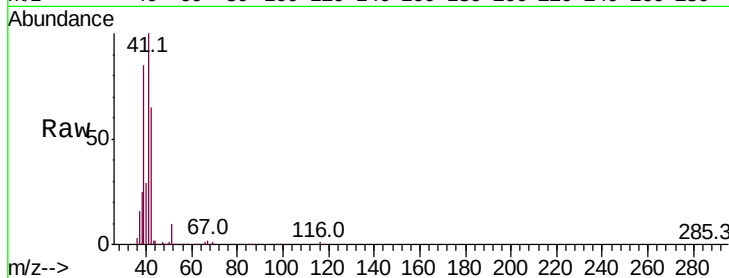
42 66.7 56.2 84.2

Manual Integrations

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12/24/2018 8:26:18 AM



#10

Heptane

Concen: 10.017 ppbv

RT: 8.25 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VL033024.D

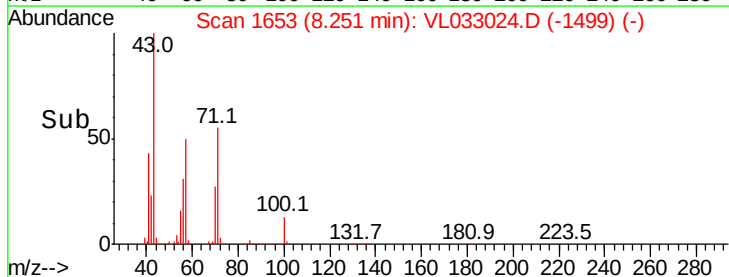
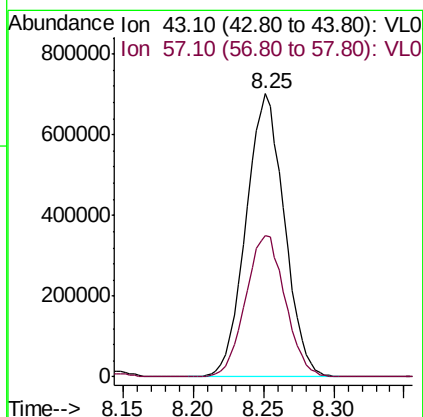
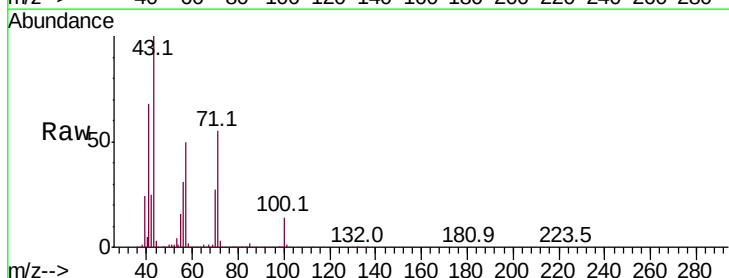
Acq: 20 Dec 2018 13:15

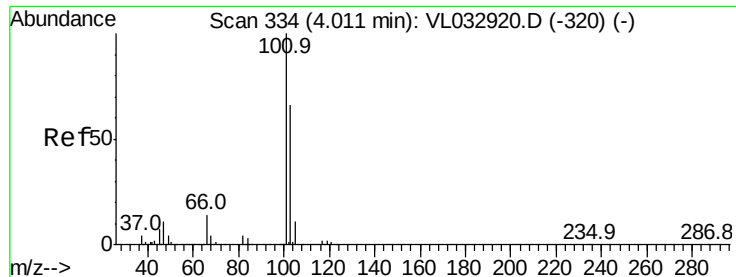
Tgt Ion: 43 Resp: 1330789

Ion Ratio Lower Upper

43 100

57 51.5 41.8 62.6





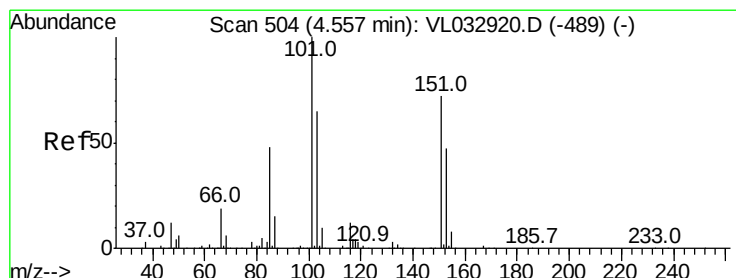
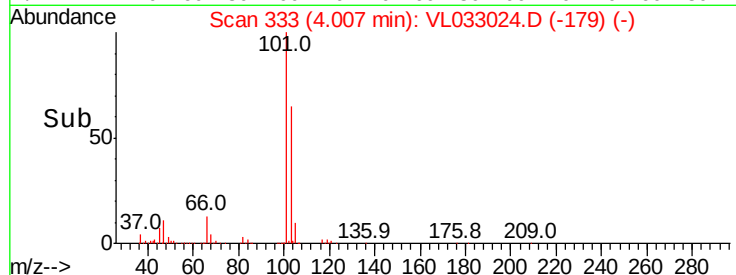
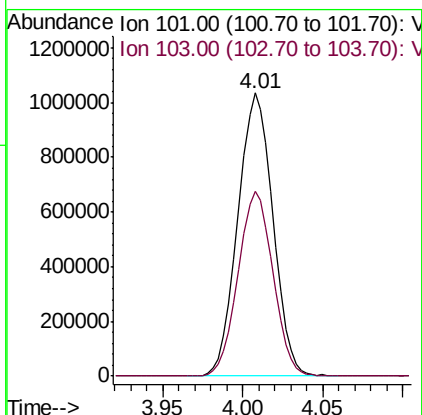
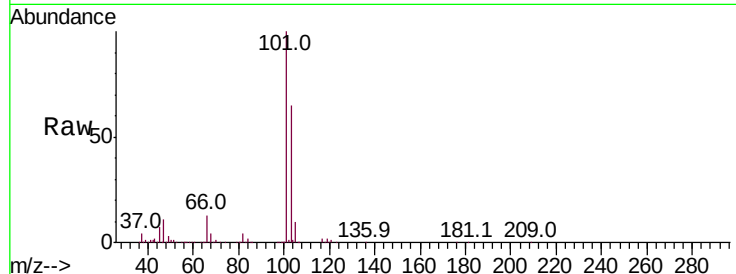
#11
 Trichlorofluoromethane
 Concen: 10.398 ppbv
 RT: 4.01 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VL033024.D
 Acq: 20 Dec 2018 13:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1544518
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.7 79.1

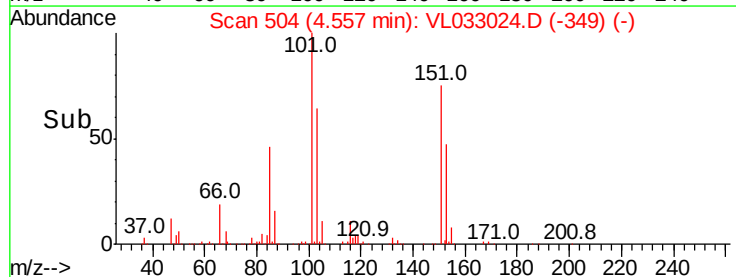
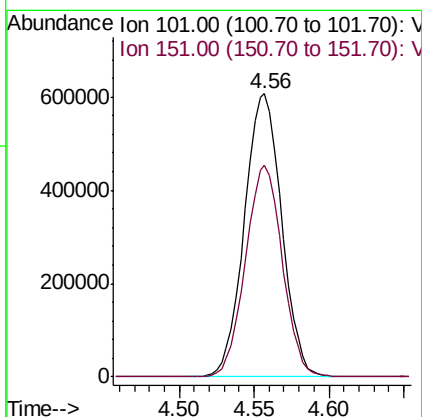
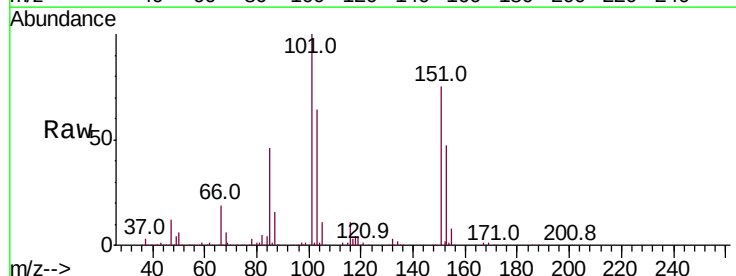
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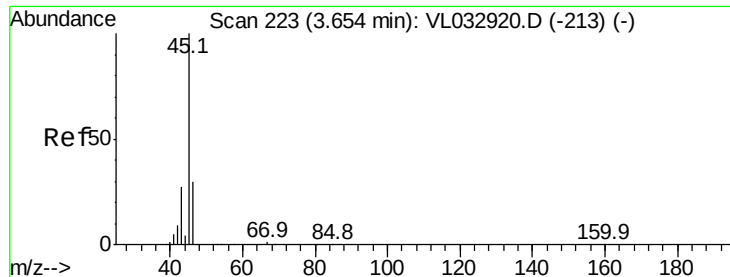
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.301 ppbv
 RT: 4.56 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VL033024.D
 Acq: 20 Dec 2018 13:15

Tgt Ion:101 Resp: 1052047
 Ion Ratio Lower Upper
 101 100
 151 74.1 59.3 88.9





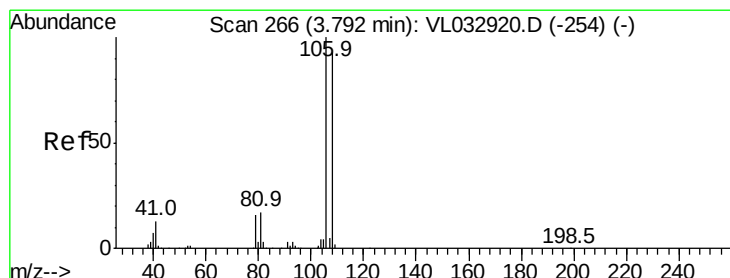
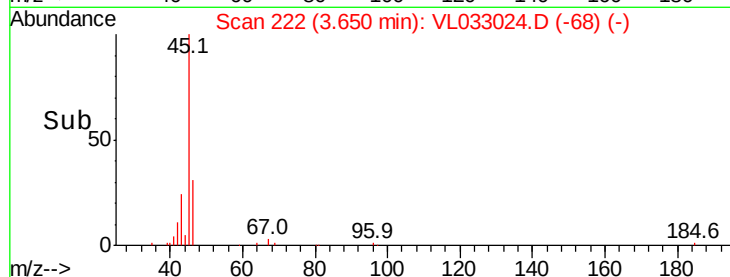
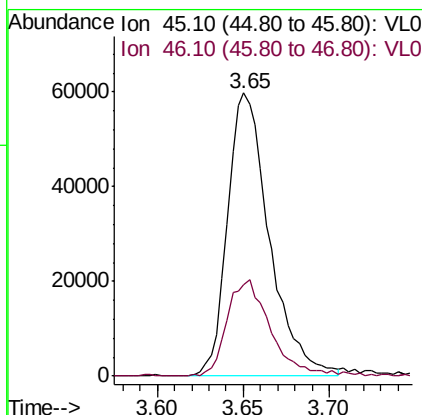
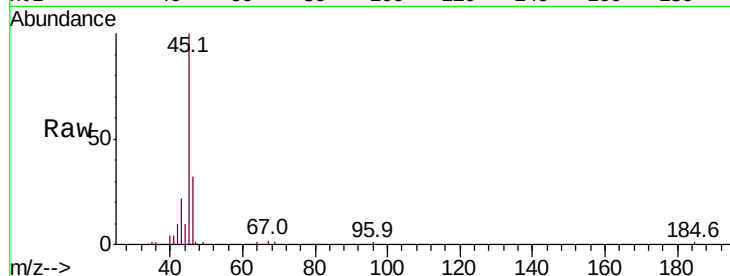
#13
Ethanol
Concen: 8.298 ppbv
RT: 3.65 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL033024.D
Acq: 20 Dec 2018 13:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 101050
Ion Ratio Lower Upper
45 100
46 35.9 13.8 55.4

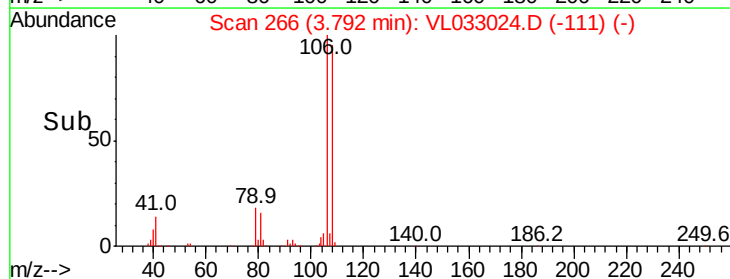
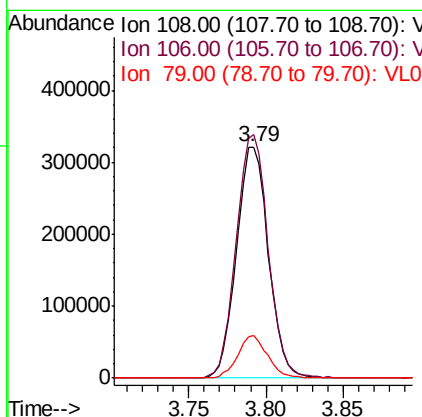
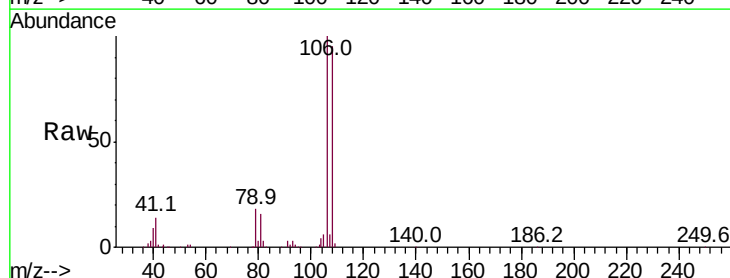
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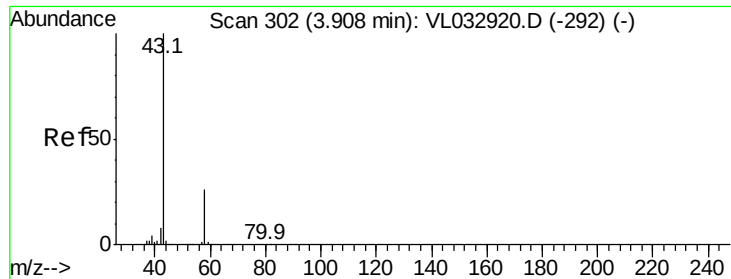
MMDadoda
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#14
Bromoethene
Concen: 10.968 ppbv
RT: 3.79 min Scan# 266
Delta R.T. -0.00 min
Lab File: VL033024.D
Acq: 20 Dec 2018 13:15

Tgt Ion: 108 Resp: 461498
Ion Ratio Lower Upper
108 100
106 105.3 85.4 128.2
79 17.6 14.6 21.8





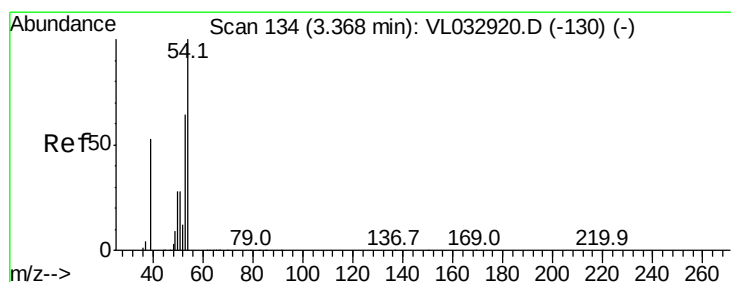
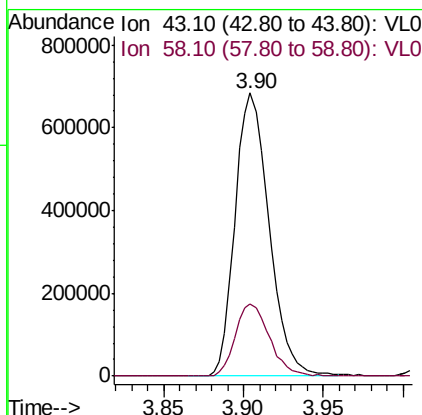
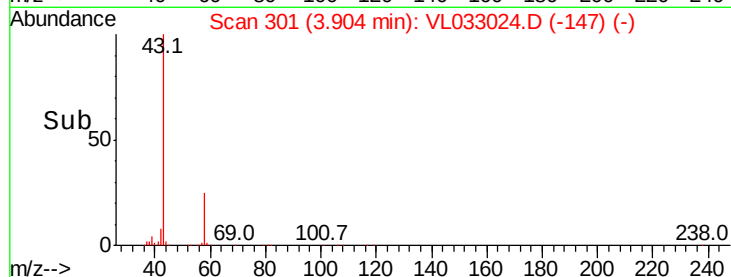
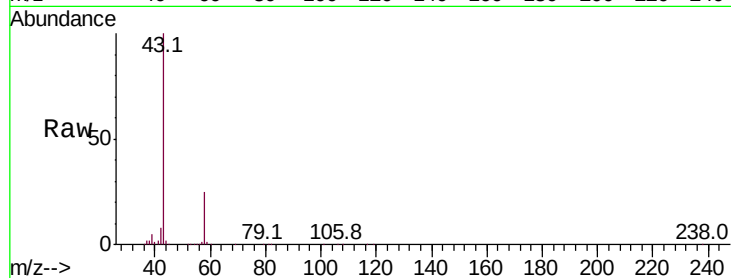
#15
Acetone
Concen: 9.723 ppbv
RT: 3.90 min Scan# 301
Delta R.T. -0.00 min
Lab File: VL033024.D
Acq: 20 Dec 2018 13:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 985689
Ion Ratio Lower Upper
43 100
58 25.7 20.6 30.8

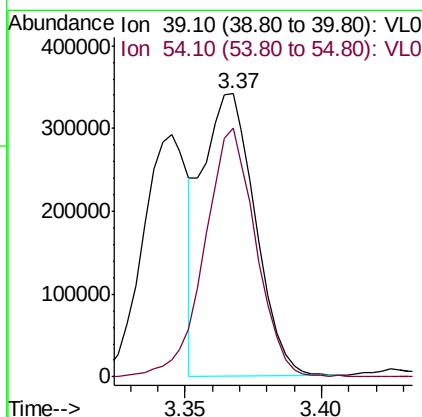
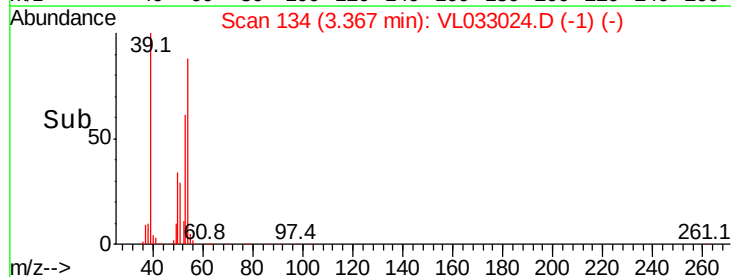
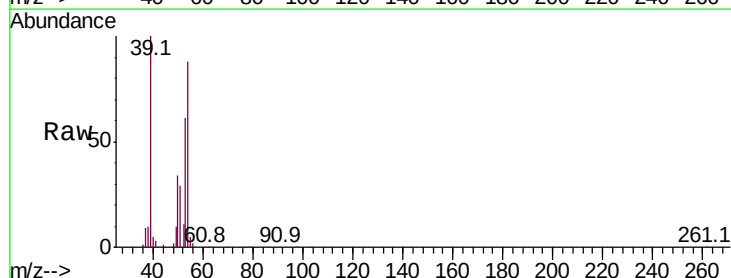
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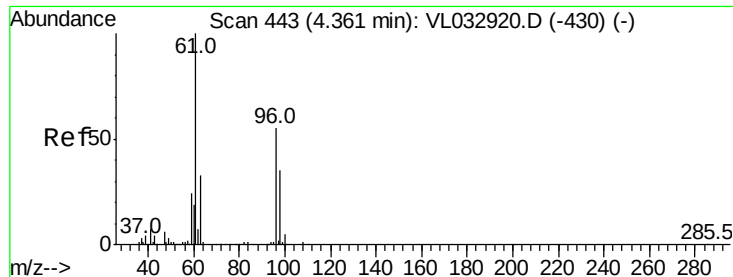
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#16
1,3-Butadiene
Concen: 11.415 ppbv
RT: 3.37 min Scan# 134
Delta R.T. -0.00 min
Lab File: VL033024.D
Acq: 20 Dec 2018 13:15

Tgt Ion: 39 Resp: 459107
Ion Ratio Lower Upper
39 100
54 85.8 72.7 109.1





#17

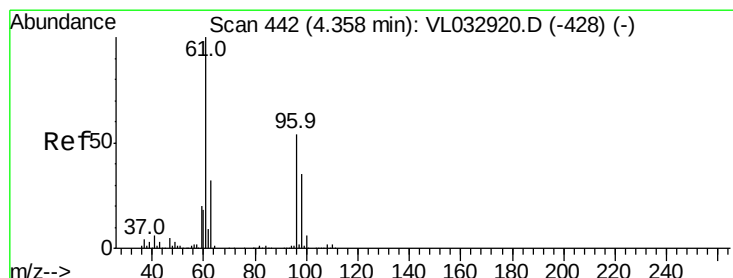
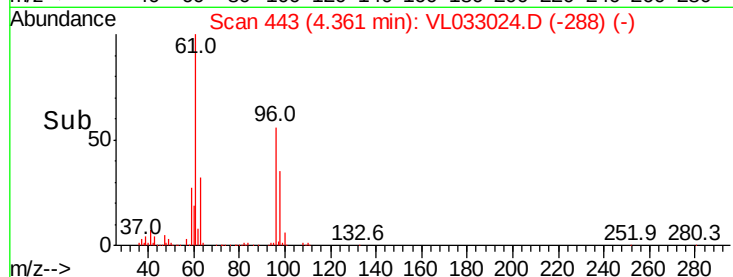
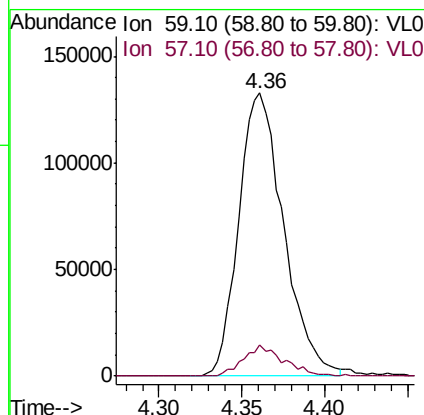
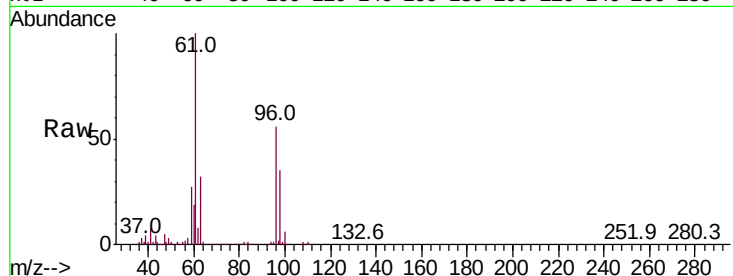
tert-Butyl alcohol
Concen: 9.683 ppbv
RT: 4.36 min Scan# 443
Delta R.T. -0.00 min
Lab File: VL033024.D
Acq: 20 Dec 2018 13:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 249906
Ion Ratio Lower Upper
59 100
57 10.0 0.6 1.0#

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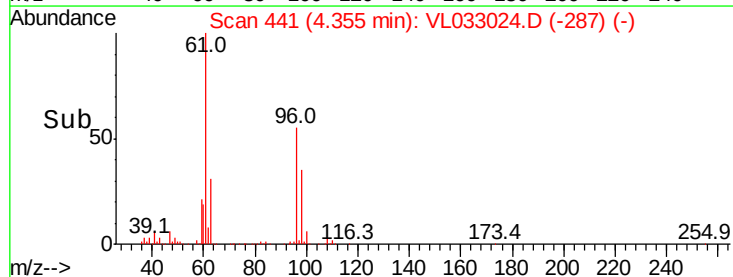
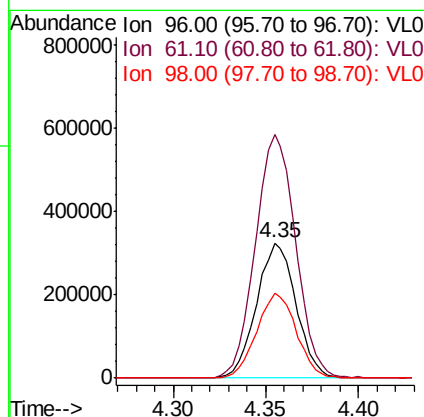
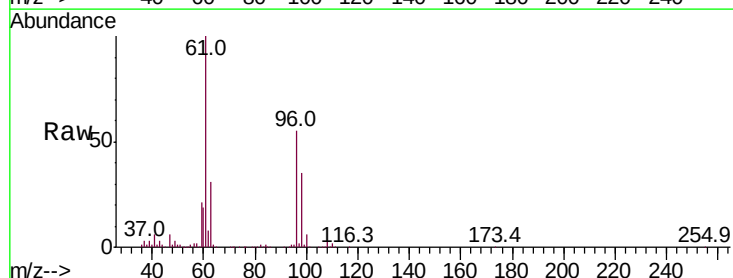
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12/24/2018 8:26:18 AM

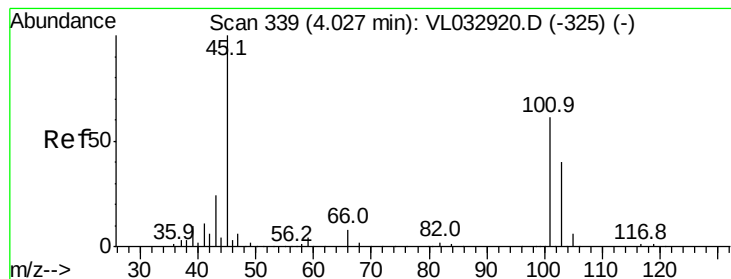


#18

1,1-Dichloroethene
Concen: 9.691 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033024.D
Acq: 20 Dec 2018 13:15

Tgt Ion: 96 Resp: 481035
Ion Ratio Lower Upper
96 100
61 180.3 147.0 220.4
98 62.8 50.7 76.1





#19

Isopropyl Alcohol

Concen: 11.019 ppbv

RT: 4.02 min Scan# 338

Delta R.T. -0.00 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 701463

Ion Ratio Lower Upper

45 100

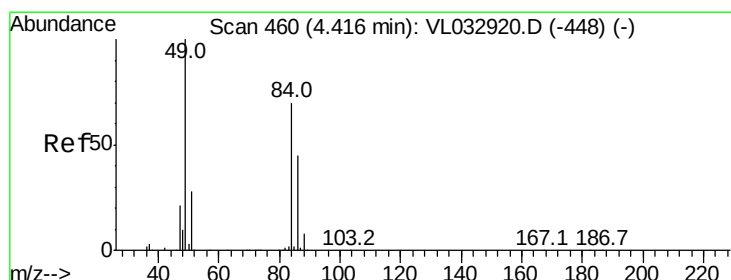
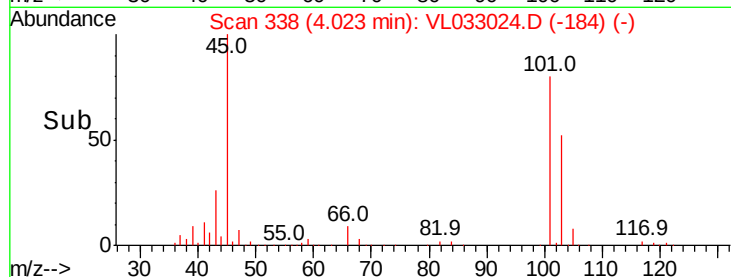
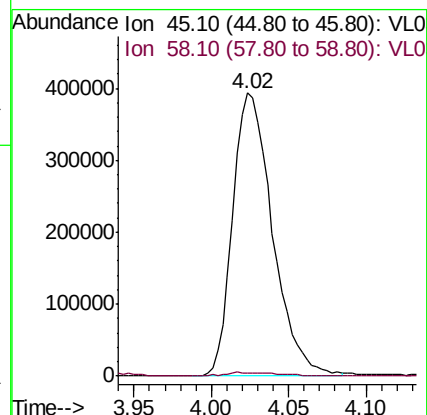
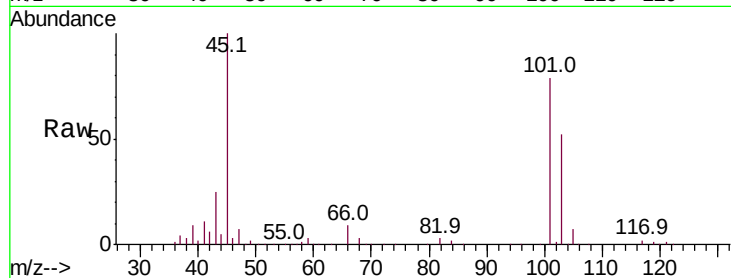
58 2.1 1.4 2.2

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12/24/2018 8:26:18 AM



#20

Methylene Chloride

Concen: 8.376 ppbv

RT: 4.41 min Scan# 459

Delta R.T. -0.00 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

Tgt Ion: 84 Resp: 414988

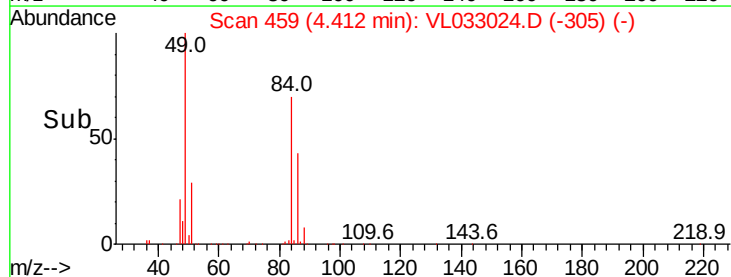
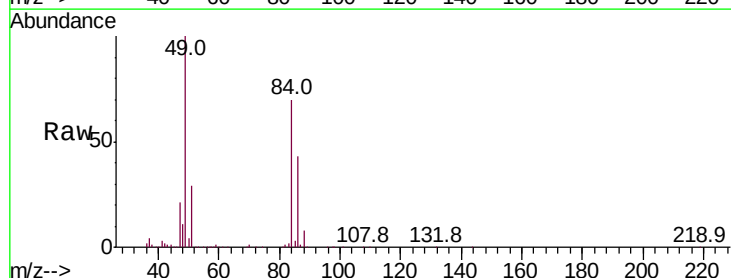
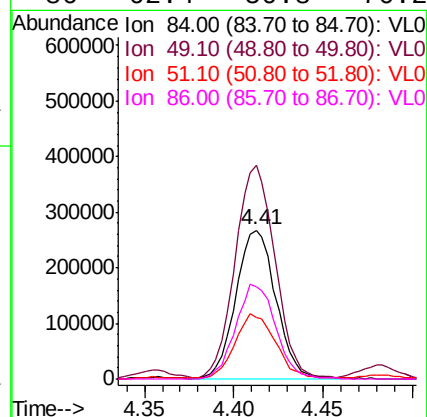
Ion Ratio Lower Upper

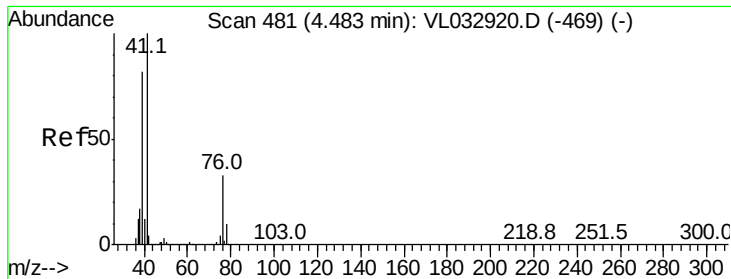
84 100

49 143.0 113.8 170.8

51 40.7 31.8 47.8

86 62.4 50.8 76.2





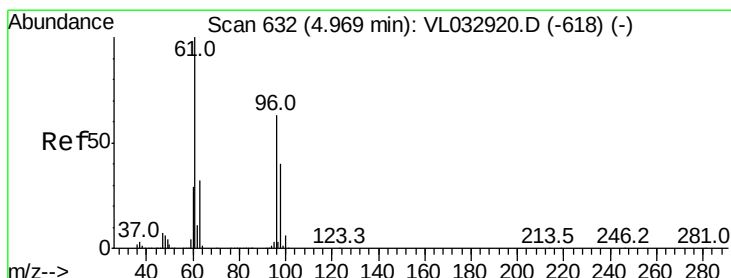
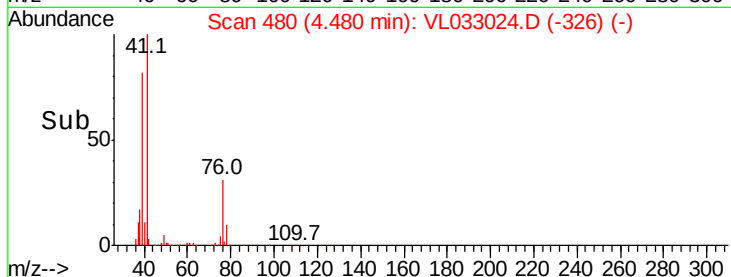
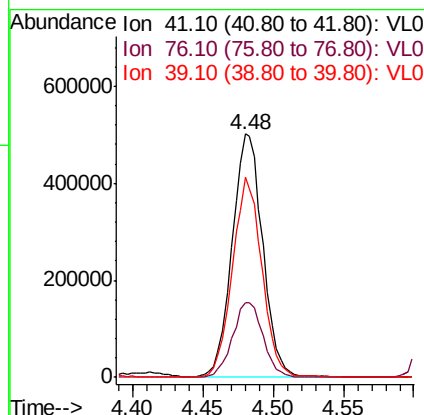
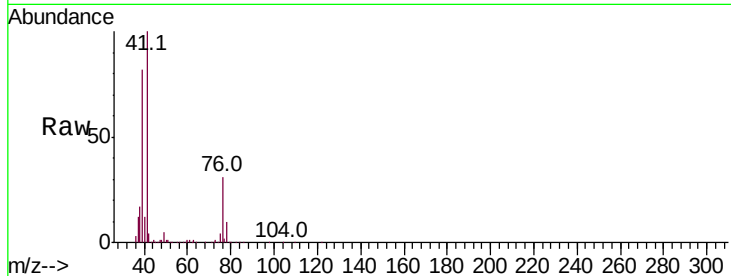
#21
Allvl Chloride
Concen: 9.155 ppbv
RT: 4.48 min Scan# 480
Delta R.T. -0.00 min
Lab File: VL033024.D
Acq: 20 Dec 2018 13:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Resp	Lower	Upper
41	100	756354		
76	30.9	25.2	37.8	
39	79.8	65.2	97.8	

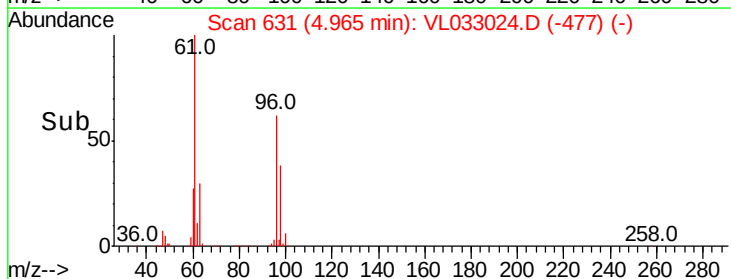
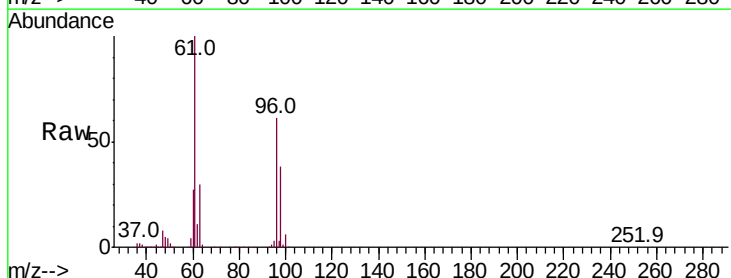
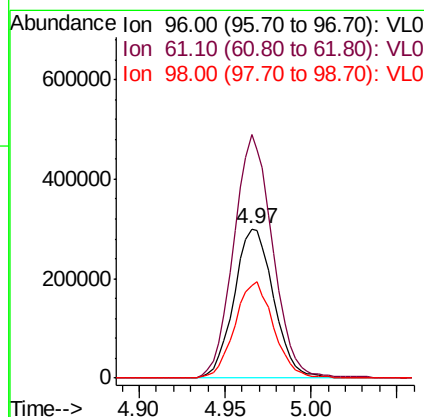
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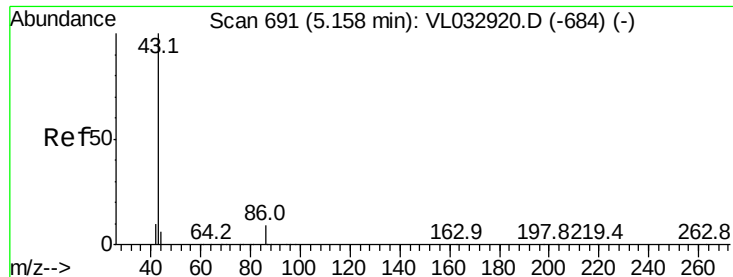
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#22
trans-1,2-Dichloroethene
Concen: 7.803 ppbv
RT: 4.97 min Scan# 631
Delta R.T. -0.00 min
Lab File: VL033024.D
Acq: 20 Dec 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	480680		
61	162.8	127.1	190.7	
98	61.8	51.3	76.9	





#23

Vinyl Acetate

Concen: 11.468 ppbv

RT: 5.16 min Scan# 691

Delta R.T. -0.00 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1968339

Ion Ratio Lower Upper

43 100

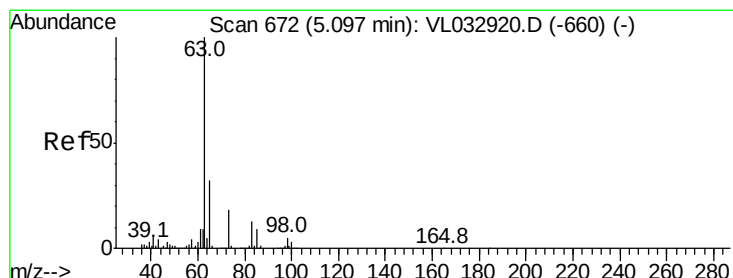
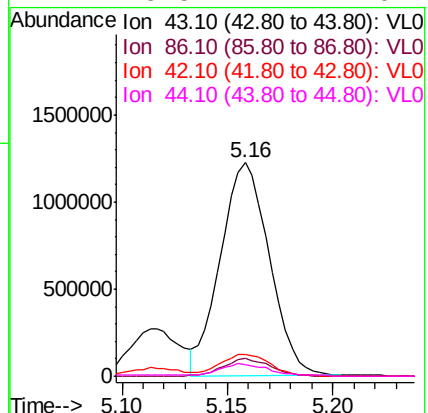
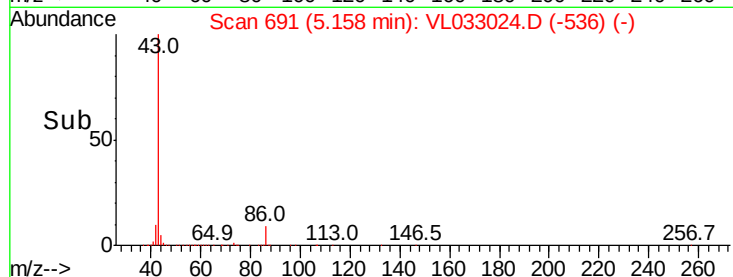
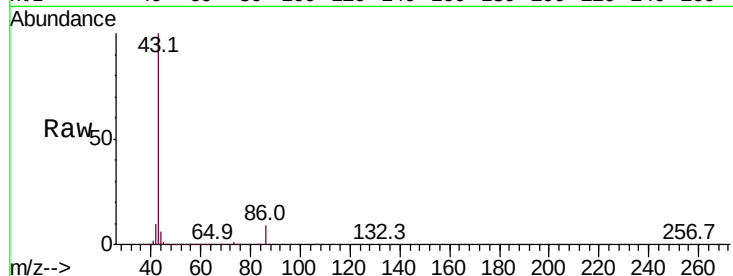
86 8.6 6.6 9.8

42 9.9 8.3 12.5

44 5.5 4.2 6.4

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#24

1,1-Dichloroethane

Concen: 9.804 ppbv

RT: 5.09 min Scan# 671

Delta R.T. -0.00 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

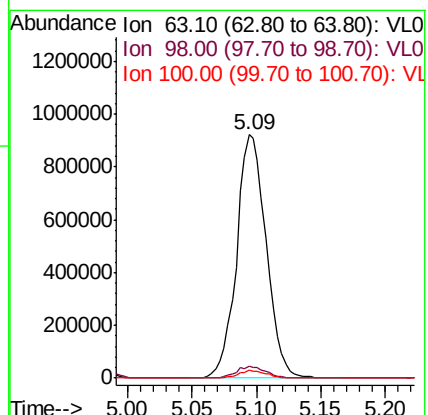
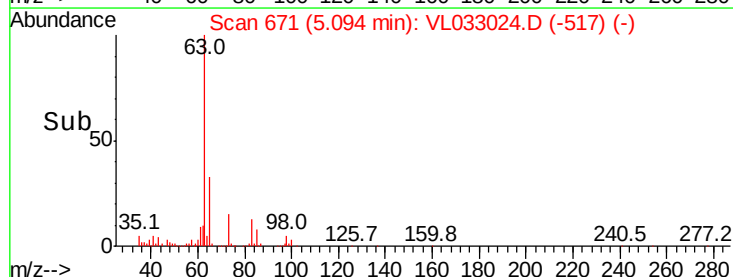
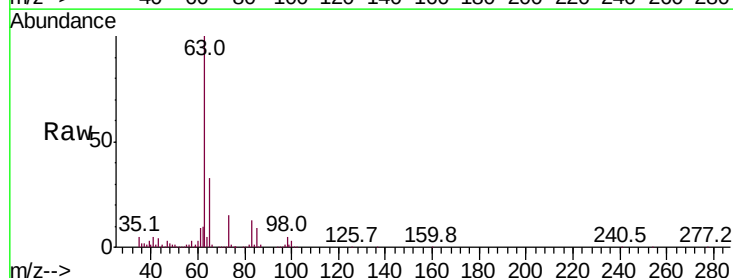
Tgt Ion: 63 Resp: 1463178

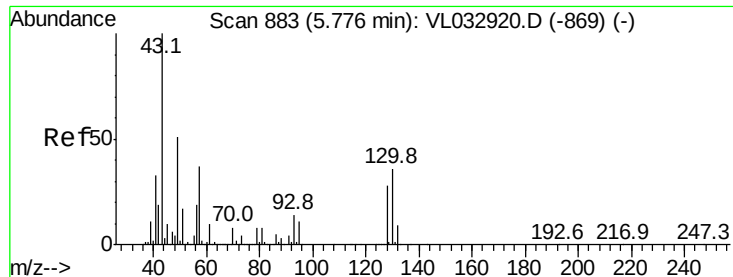
Ion Ratio Lower Upper

63 100

98 5.0 2.5 7.5

100 3.2 1.4 4.2





#25

Ethyl Acetate

Concen: 10.346 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.00 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2477541

Ion Ratio Lower Upper

43 100

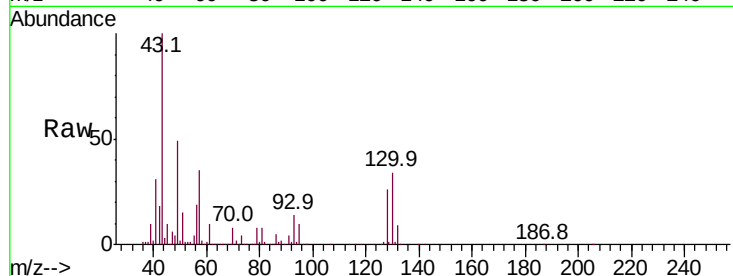
45 9.6 7.8 11.6

61 9.6 7.4 11.2

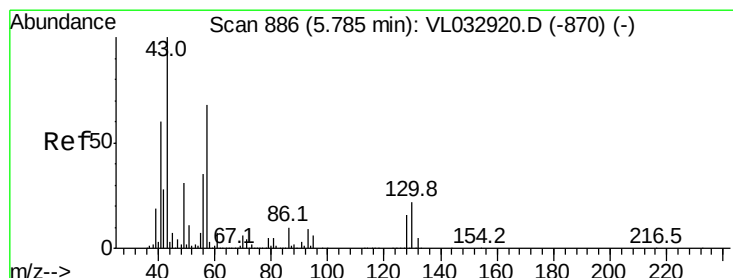
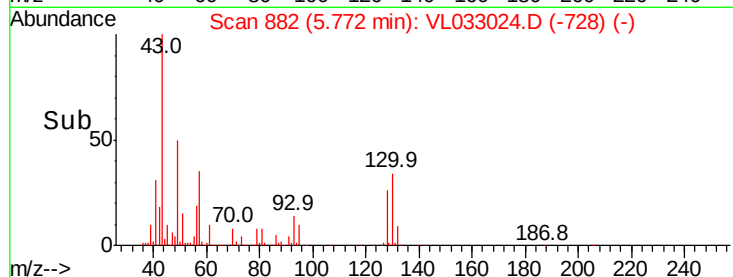
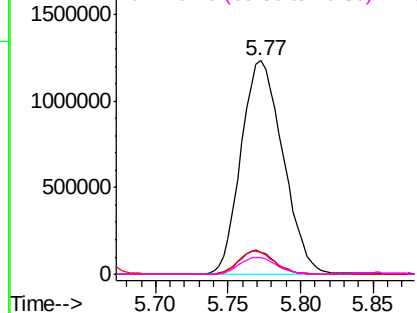
70 7.1 5.7 8.5

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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: 10.346 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.00 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

Tgt Ion: 57 Resp: 1143858

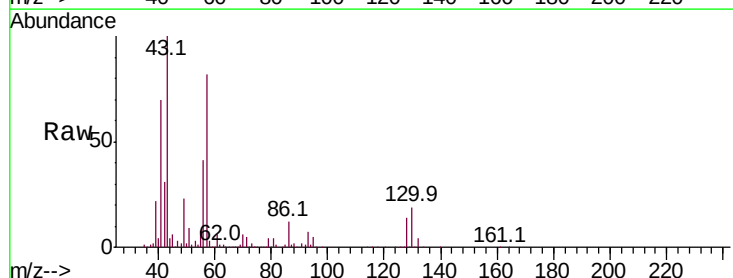
Ion Ratio Lower Upper

57 100

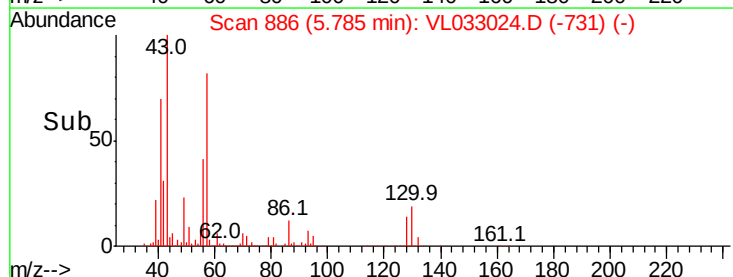
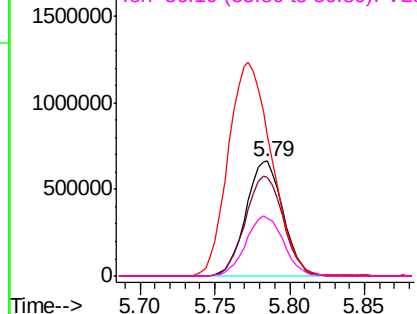
41 89.4 72.2 108.2

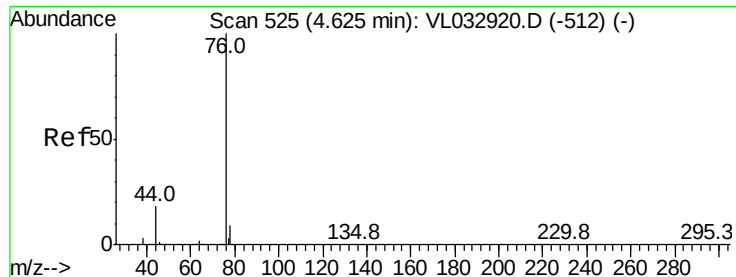
43 218.4 171.9 257.9

56 52.9 42.2 63.2



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: 8.825 ppbv

RT: 4.62 min Scan# 525

Delta R.T. -0.00 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1219939

Ion Ratio Lower Upper

76 100

44 18.1 14.7 22.1

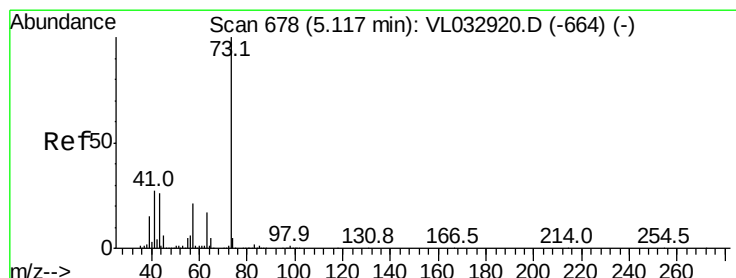
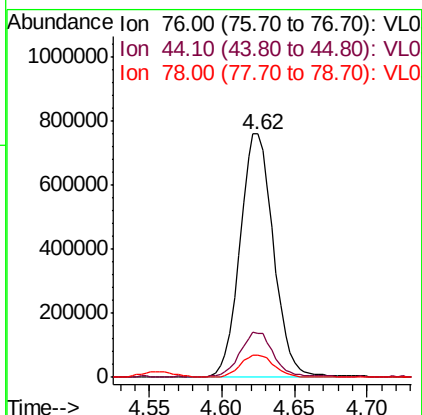
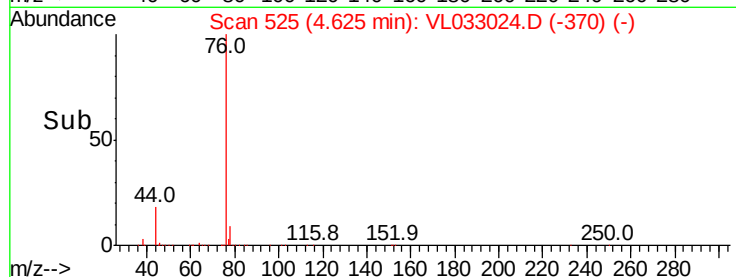
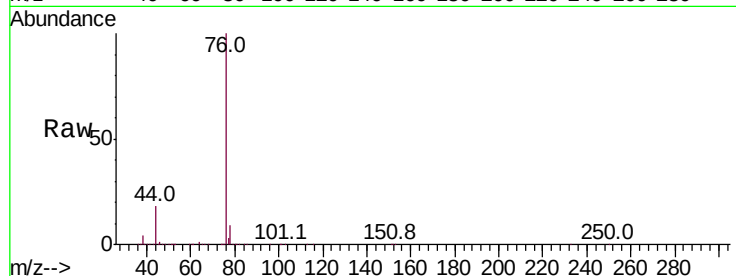
78 9.2 7.4 11.2

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#28

Methyl tert-Butyl Ether

Concen: 11.479 ppbv

RT: 5.12 min Scan# 678

Delta R.T. -0.00 min

Lab File: VL033024.D

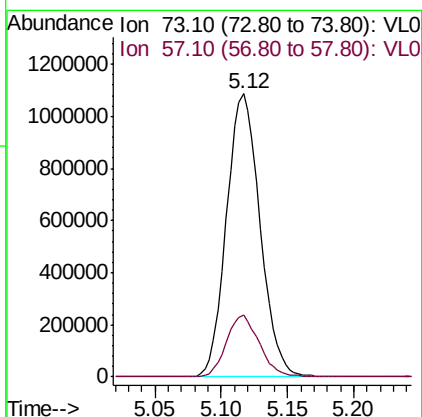
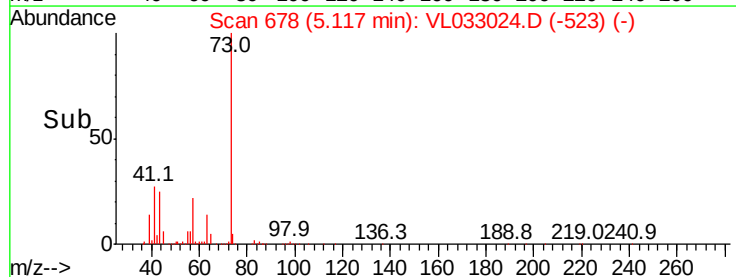
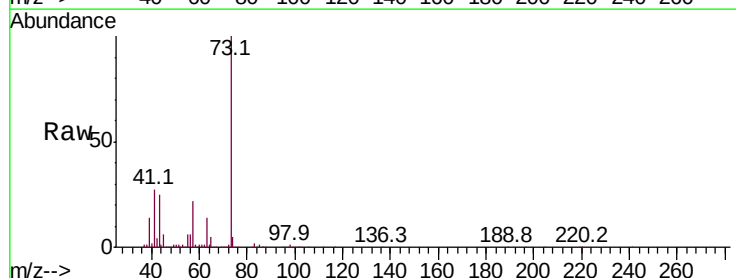
Acq: 20 Dec 2018 13:15

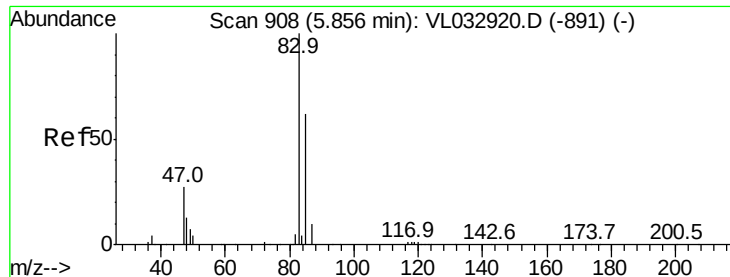
Tgt Ion: 73 Resp: 1906046

Ion Ratio Lower Upper

73 100

57 21.6 17.4 26.0





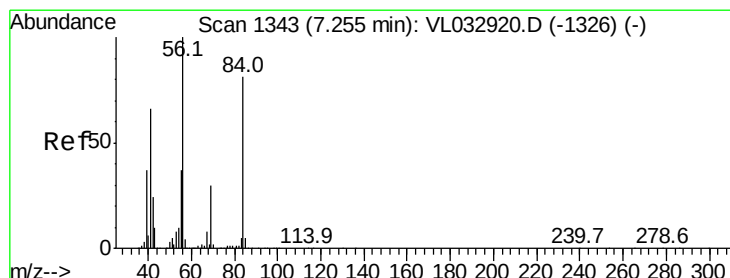
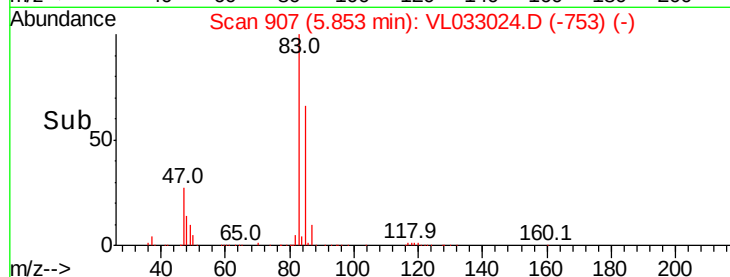
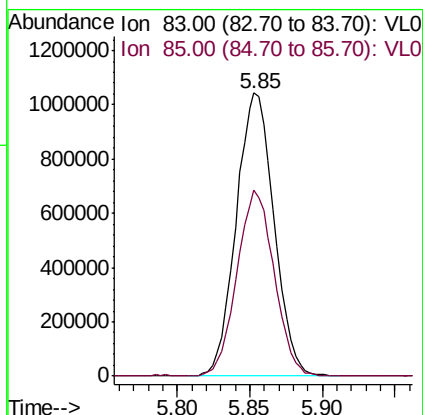
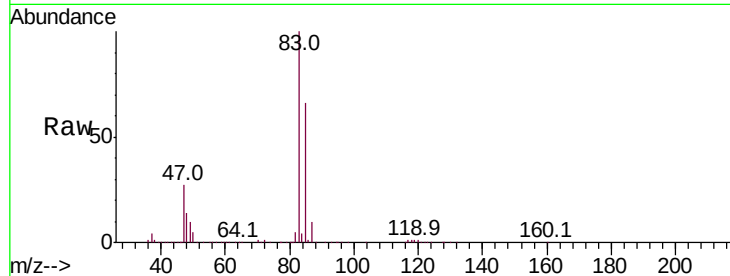
#29
Chloroform
Concen: 9.598 ppbv
RT: 5.85 min Scan# 907
Delta R.T. -0.00 min
Lab File: VL033024.D
Acq: 20 Dec 2018 13:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 1893427
Ion Ratio Lower Upper
83 100
85 65.9 49.8 74.8

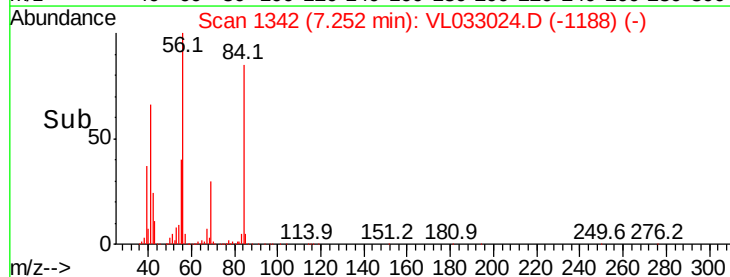
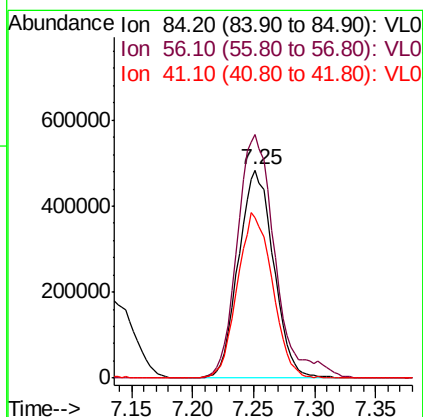
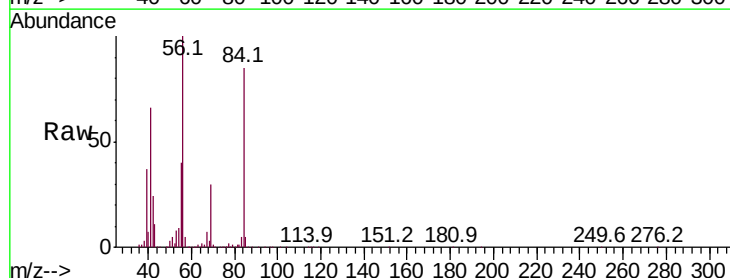
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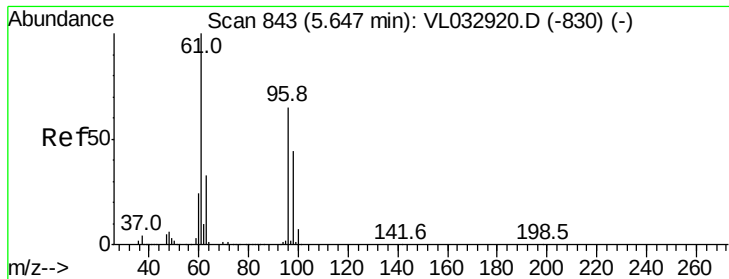
MMDadoda
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#30
Cyclohexane
Concen: 10.474 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VL033024.D
Acq: 20 Dec 2018 13:15

Tgt Ion: 84 Resp: 959774
Ion Ratio Lower Upper
84 100
56 126.4 102.5 153.7
41 79.4 64.1 96.1





#31

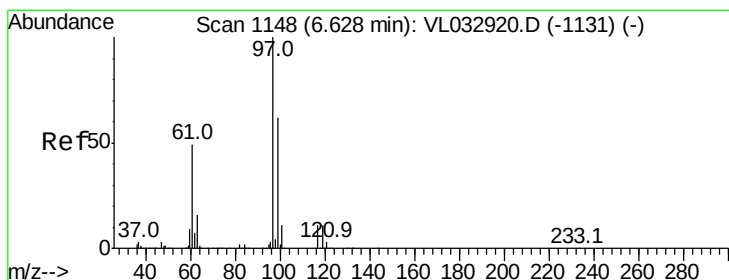
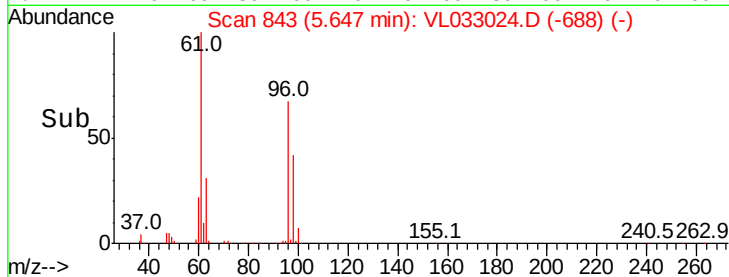
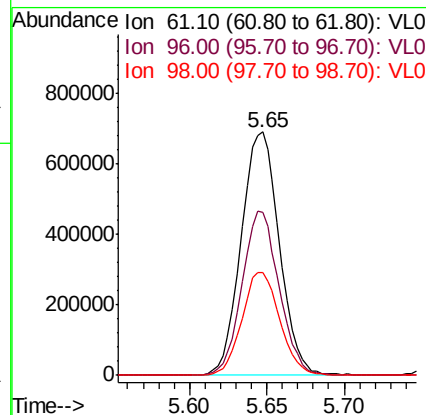
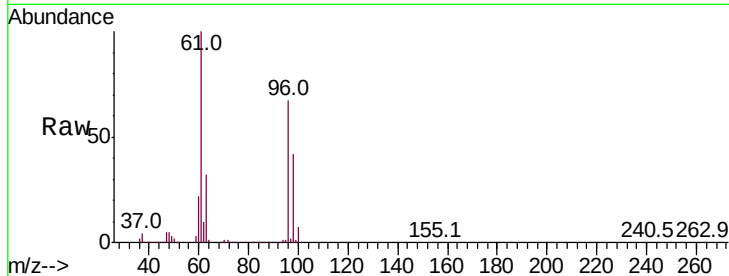
cis-1,2-Dichloroethene
Concen: 11.679 ppbv
RT: 5.65 min Scan# 843
Delta R.T. -0.00 min
Lab File: VL033024.D
Acq: 20 Dec 2018 13:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	66.7	51.9	77.9
98	42.5	35.0	52.4

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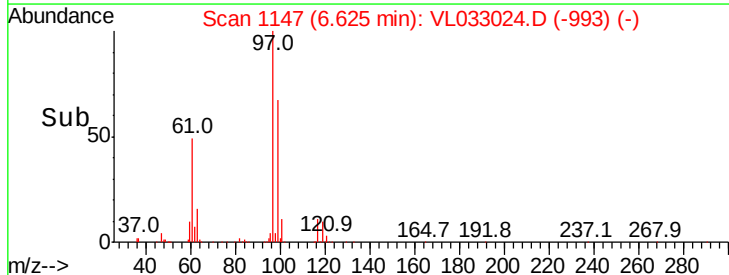
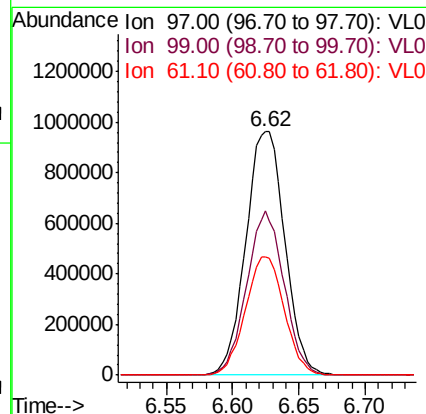
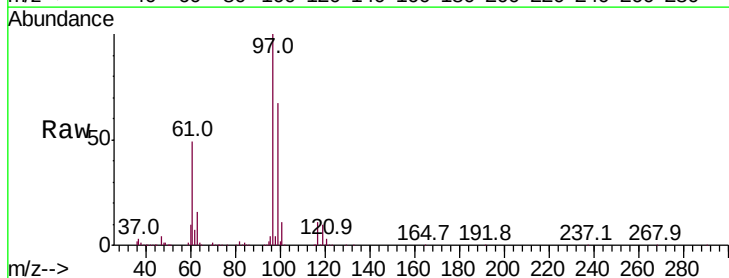
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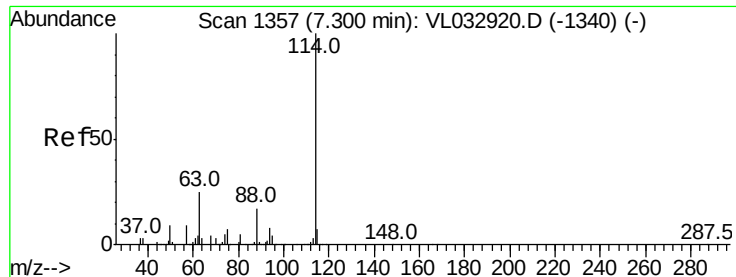


#32

1,1,1-Trichloroethane
Concen: 9.451 ppbv
RT: 6.62 min Scan# 1147
Delta R.T. -0.00 min
Lab File: VL033024.D
Acq: 20 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.1	76.7
61	48.4	39.3	58.9





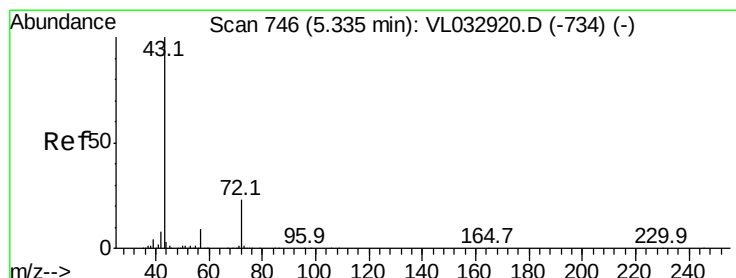
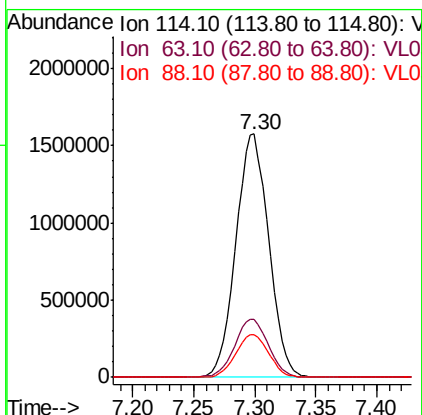
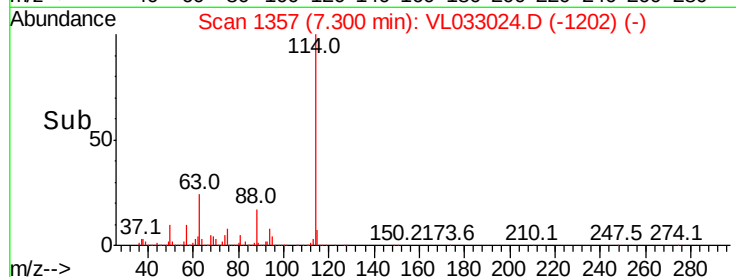
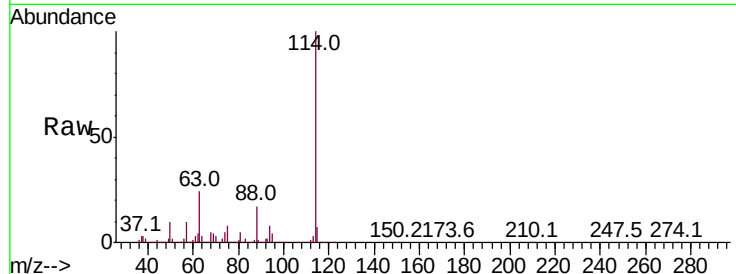
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VL033024.D
 Acq: 20 Dec 2018 13:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 2928740
 Ion Ratio Lower Upper
 114 100
 63 24.8 20.1 30.1
 88 17.7 14.2 21.4

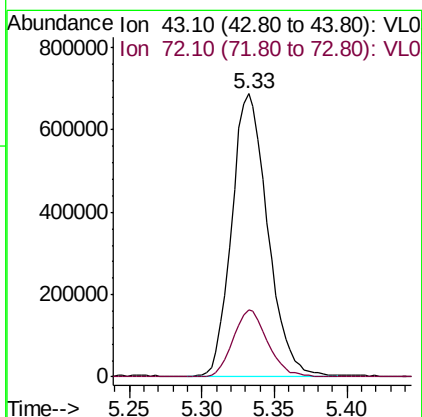
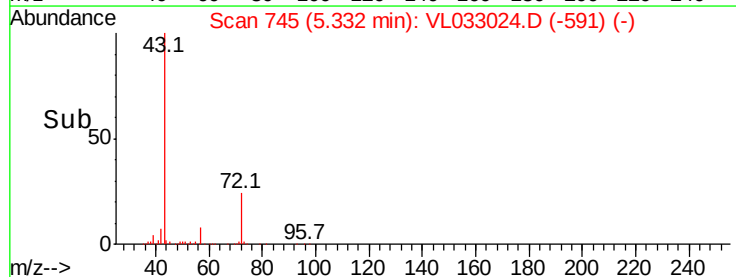
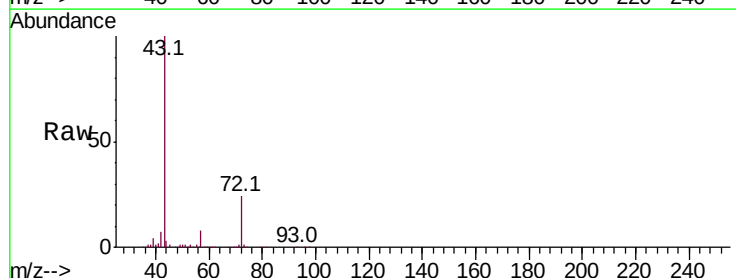
Manual Integrations
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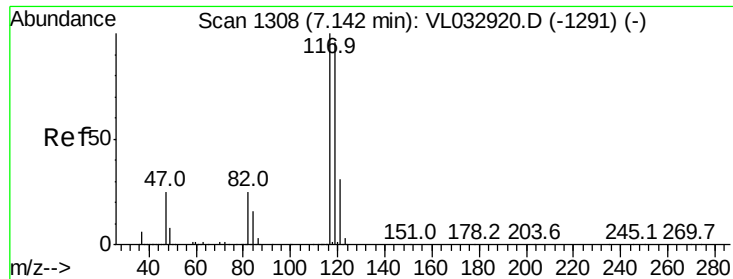
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#34
 2-Butanone
 Concen: 9.239 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: VL033024.D
 Acq: 20 Dec 2018 13:15

Tgt Ion: 43 Resp: 1178637
 Ion Ratio Lower Upper
 43 100
 72 23.0 18.8 28.2





#35

Carbon Tetrachloride

Concen: 9.362 ppbv

RT: 7.14 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 2155214

Ion Ratio Lower Upper

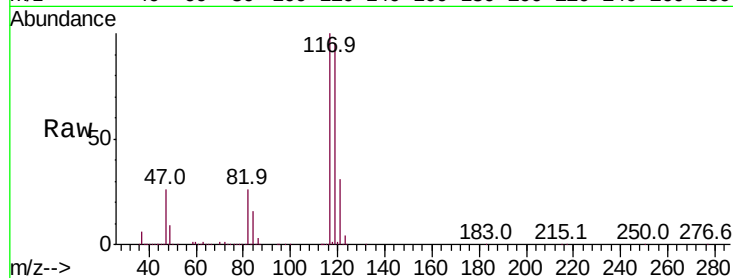
117 100

119 95.2 76.5 114.7

121 31.5 24.5 36.7

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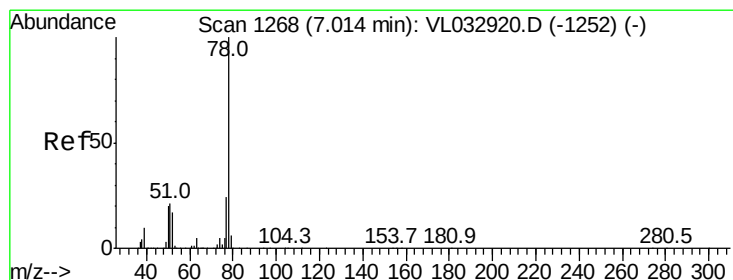
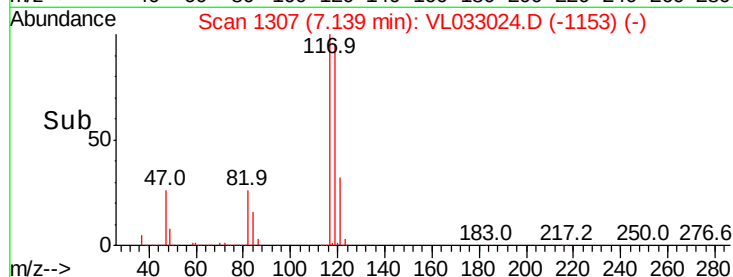
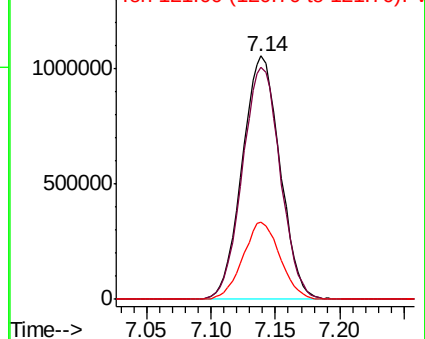
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.286 ppbv

RT: 7.01 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

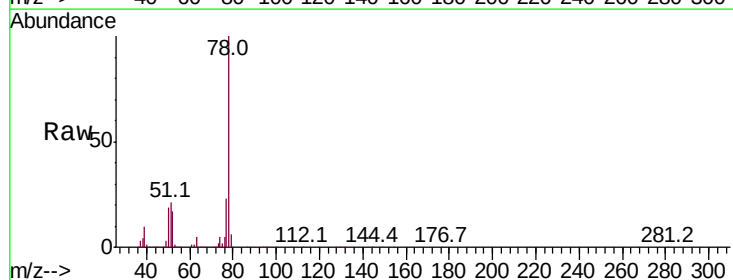
Tgt Ion: 78 Resp: 2215840

Ion Ratio Lower Upper

78 100

77 22.9 18.9 28.3

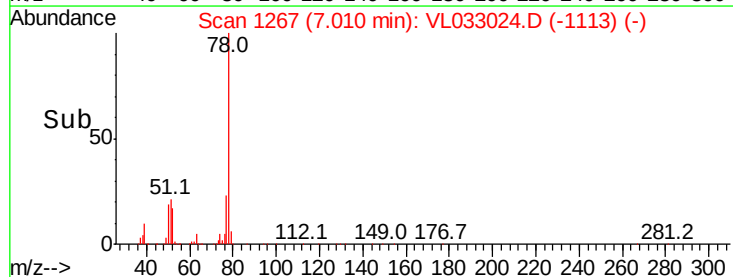
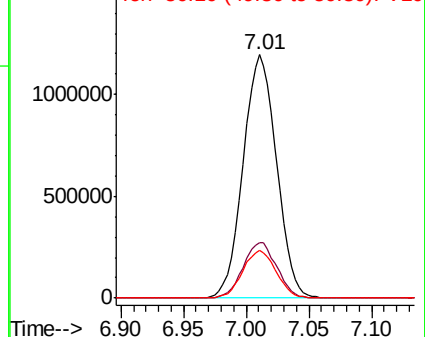
50 19.4 16.1 24.1

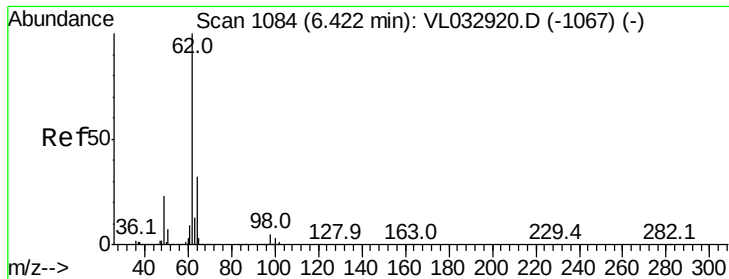


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.199 ppbv

RT: 6.42 min Scan# 1082

Delta R.T. -0.01 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

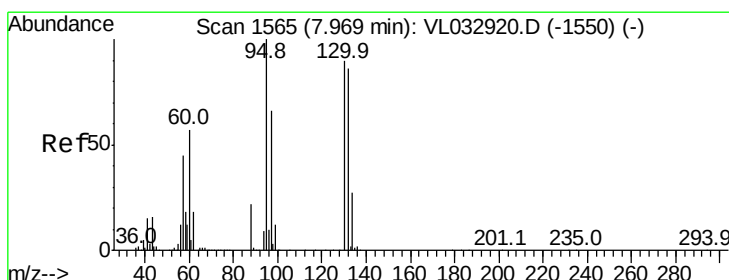
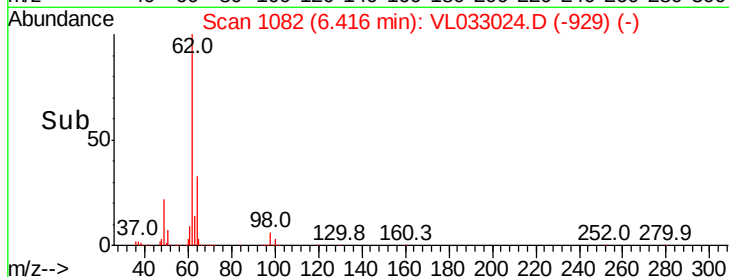
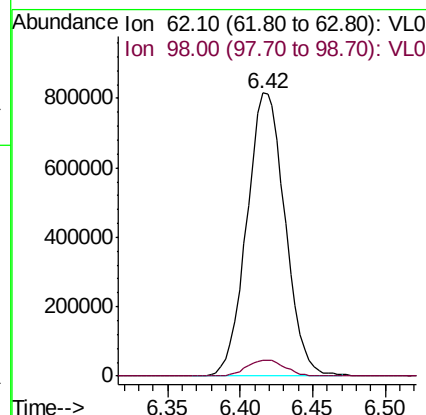
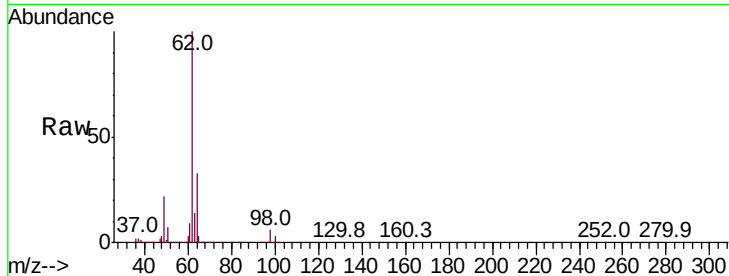
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 62 Resp: 1495887

Ion	Ratio	Lower	Upper
62	100		
98	5.8	4.3	6.5

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#38

Trichloroethene

Concen: 10.598 ppbv

RT: 7.96 min Scan# 1563

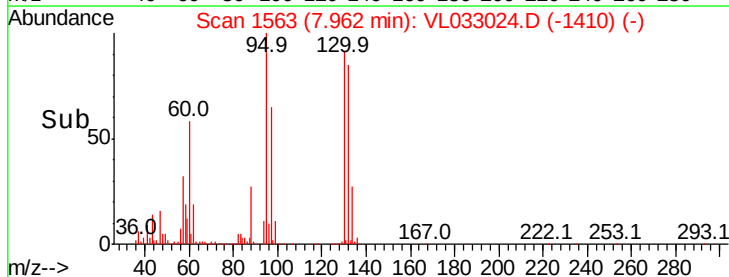
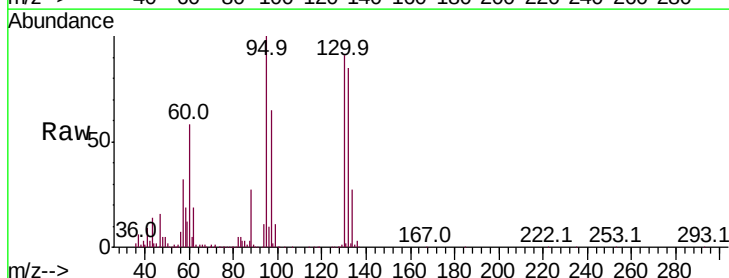
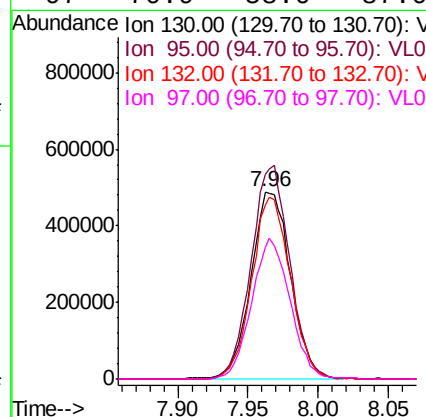
Delta R.T. -0.01 min

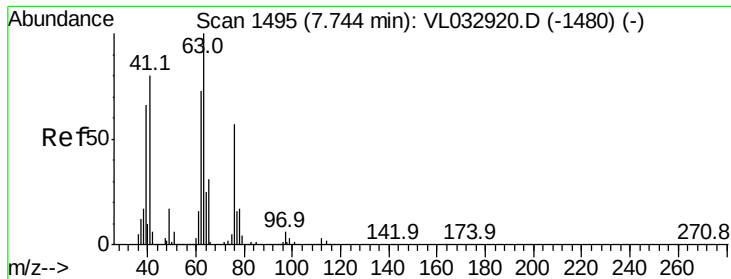
Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

Tgt Ion: 130 Resp: 950088

Ion	Ratio	Lower	Upper
130	100		
95	109.6	88.6	132.8
132	93.7	76.1	114.1
97	70.9	58.0	87.0





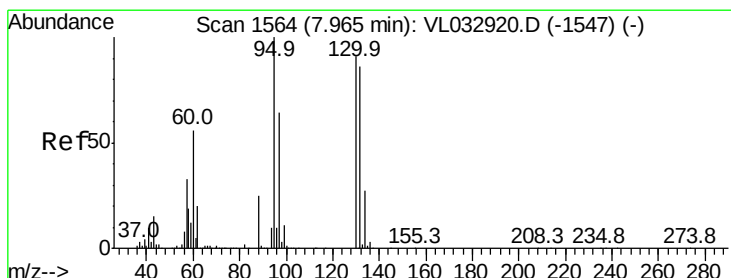
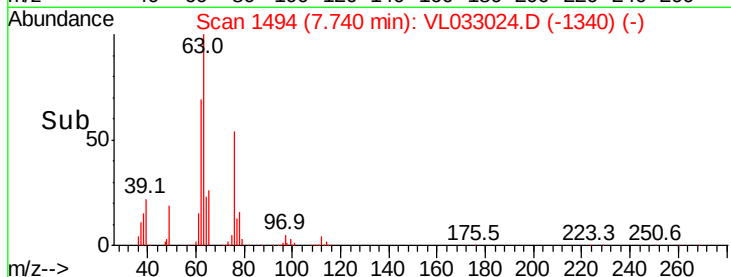
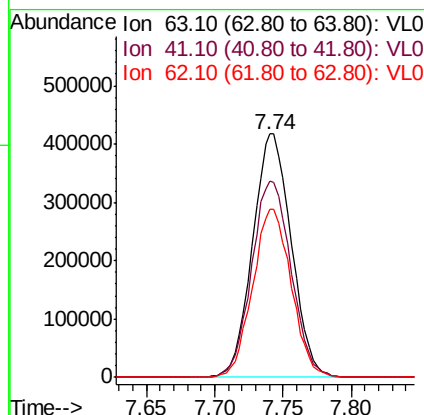
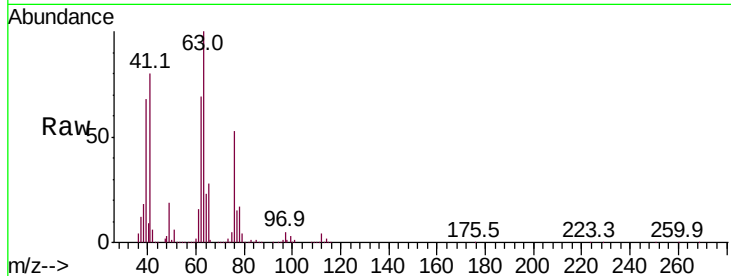
#39
 1,2-Dichloropropane
 Concen: 10.019 ppbv
 RT: 7.74 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VL033024.D
 Acq: 20 Dec 2018 13:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	80.4	63.9	95.9
62	68.8	58.8	88.2

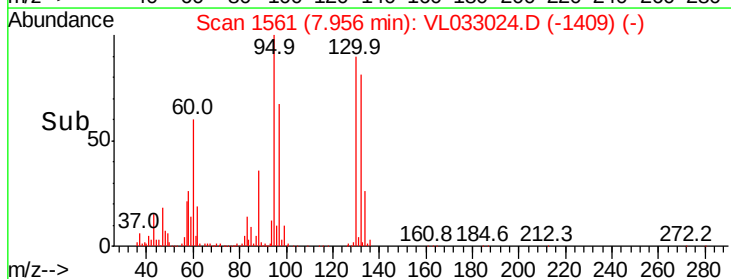
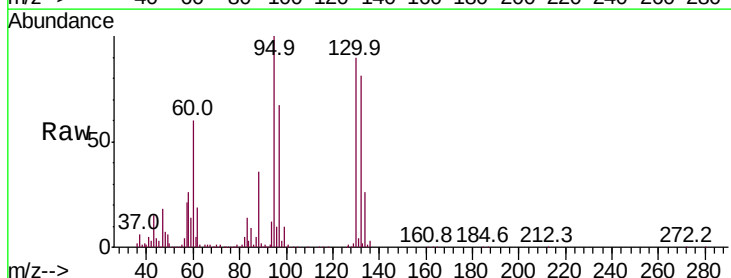
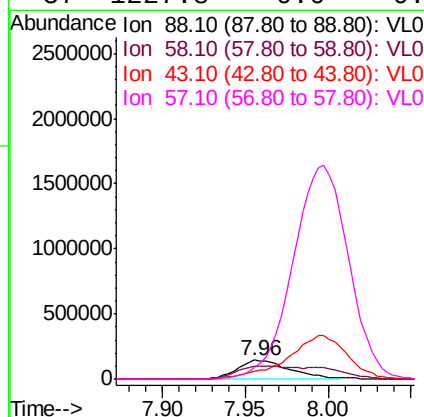
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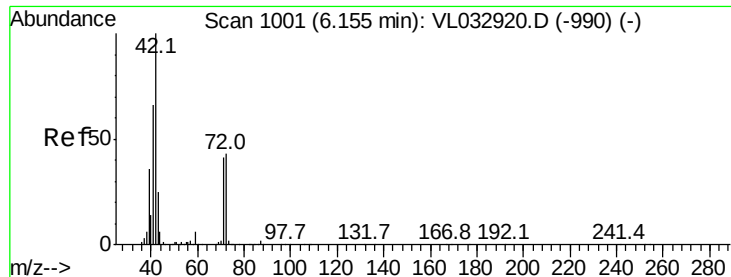
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#40
 1,4-Dioxane
 Concen: 10.403 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: VL033024.D
 Acq: 20 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
88	100		
58	128.3	107.4	161.2
43	271.4	0.0	0.0#
57	1227.8	0.0	0.0#





#41

Tetrahydrofuran

Concen: 11.105 ppbv

RT: 6.15 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

Instrument :

MSVOA_L

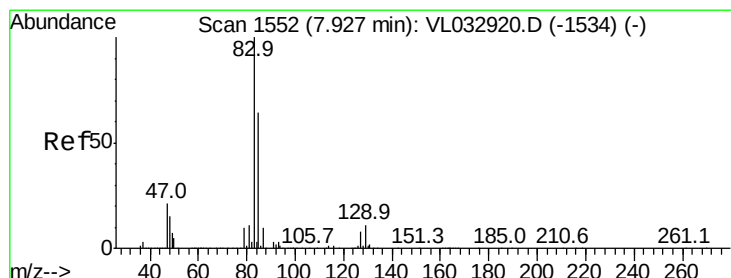
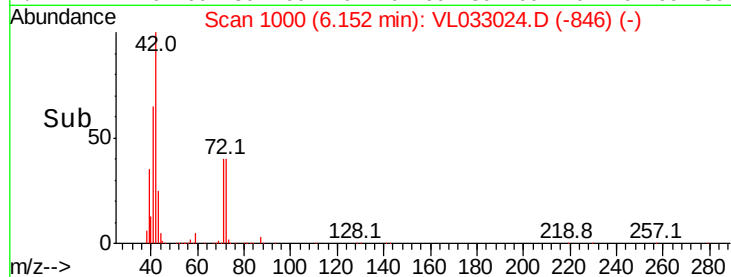
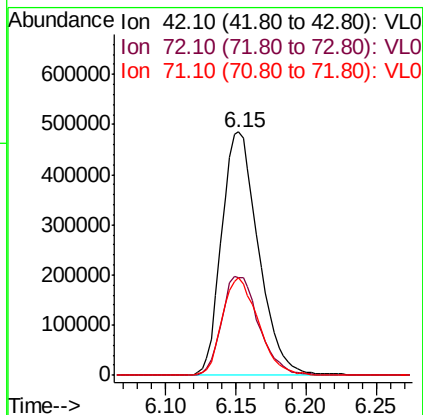
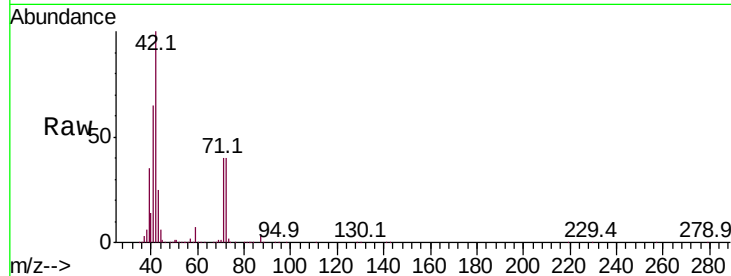
ClientSampleId :

VSTDCCC010

Tot Ion:	42	Resp:	881112
Ion Ratio	Lower	Upper	
42	100		
72	41.1	32.9	49.3
71	39.8	32.0	48.0

Manual Integrations
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#42

Bromodichloromethane

Concen: 9.709 ppbv

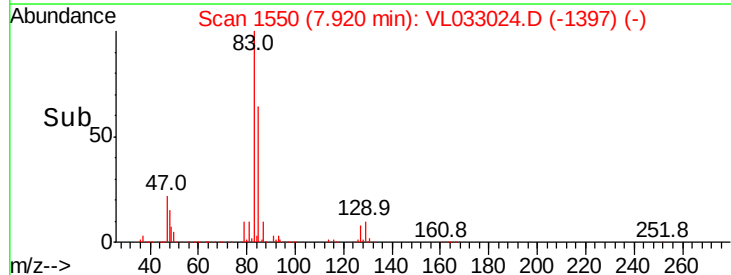
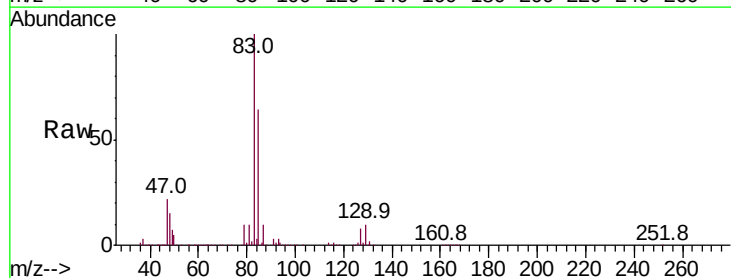
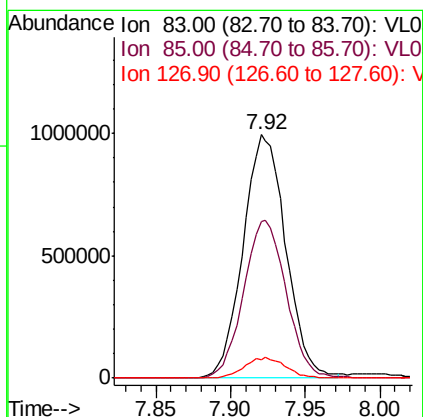
RT: 7.92 min Scan# 1550

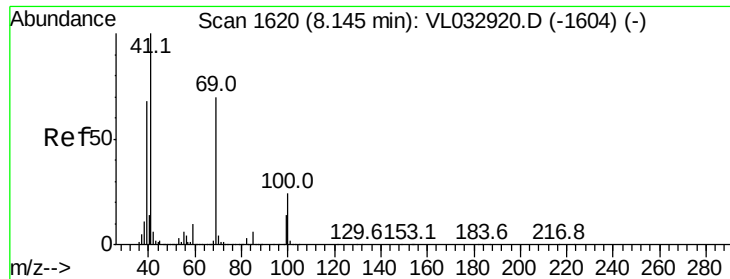
Delta R.T. -0.01 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

Tgt Ion:	83	Resp:	1972792
Ion Ratio	Lower	Upper	
83	100		
85	64.2	50.9	76.3
127	7.7	6.7	10.1





#43

Methyl Methacrylate

Concen: 10.758 ppbv m

RT: 8.14 min Scan# 1618

Delta R.T. -0.01 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

Instrument :

MSVOA_L

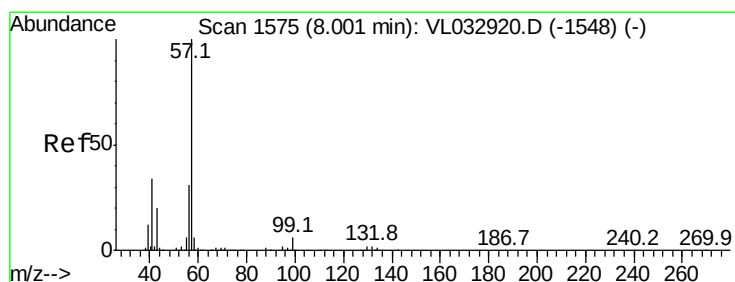
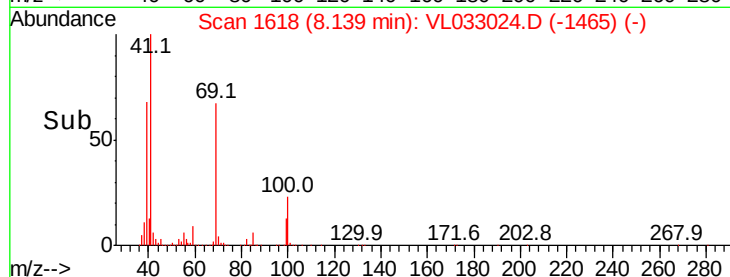
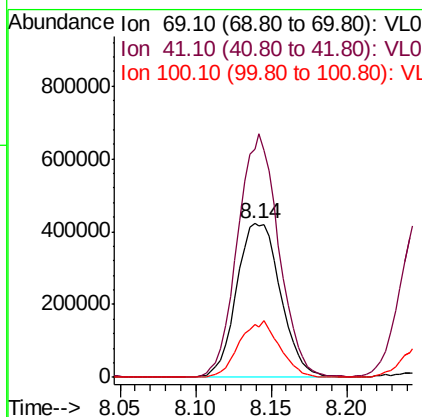
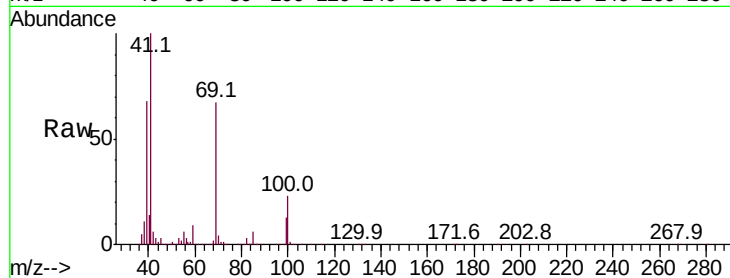
ClientSampleId :

VSTDCCC010

Tot Ion:	69	Resp:	858746
Ion Ratio	Lower	Upper	
69	100		
41	148.0	116.6	175.0
100	33.8	26.5	39.7

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 10.507 ppbv

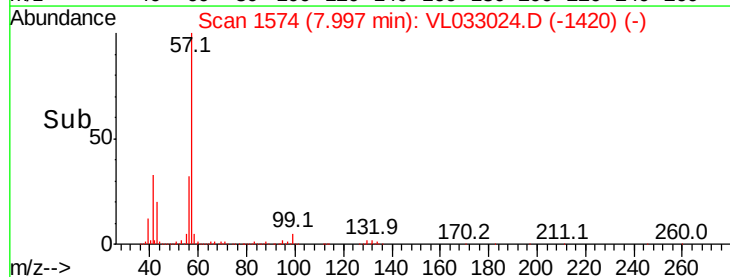
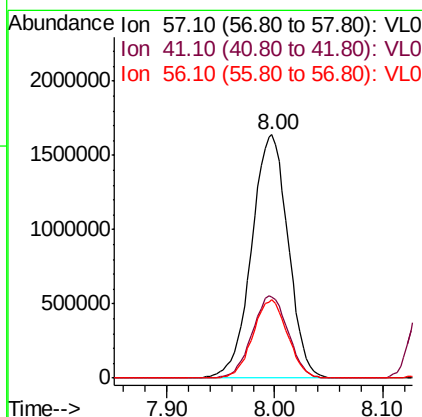
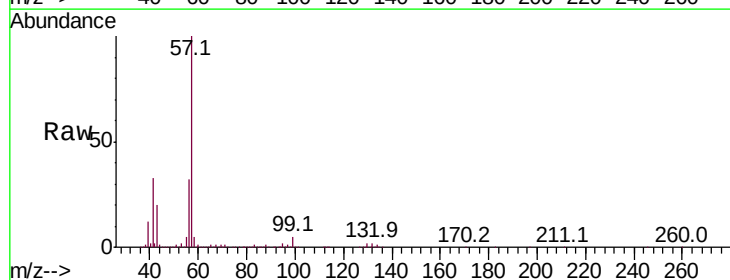
RT: 8.00 min Scan# 1574

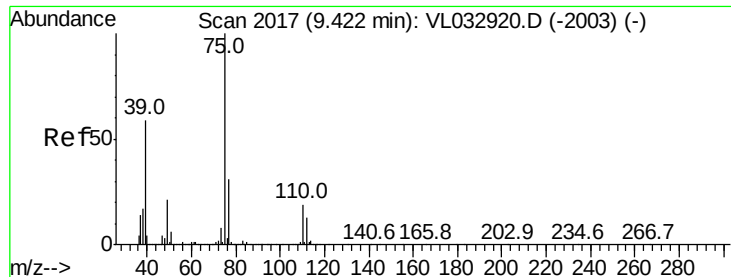
Delta R.T. -0.00 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

Tgt Ion:	57	Resp:	3841818
Ion Ratio	Lower	Upper	
57	100		
41	33.3	27.0	40.4
56	30.8	24.6	37.0





#45

t-1,3-Dichloropropene

Concen: 12.600 ppbv

RT: 9.42 min Scan# 2017

Delta R.T. -0.00 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 1233145

Ion Ratio Lower Upper

75 100

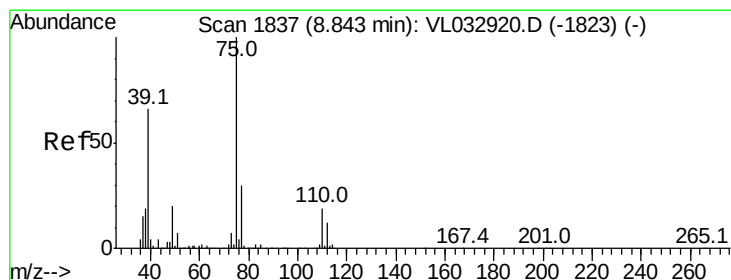
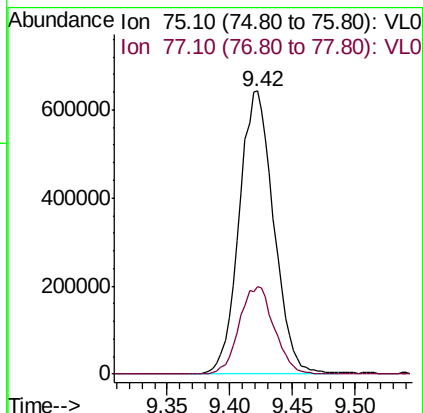
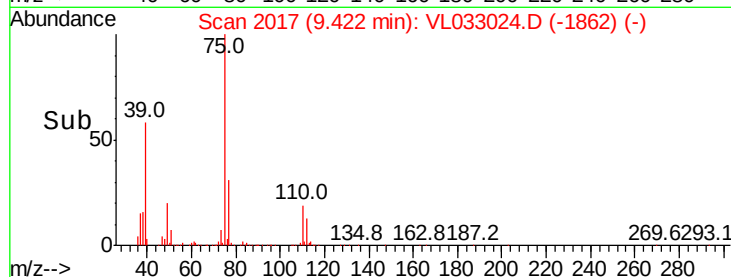
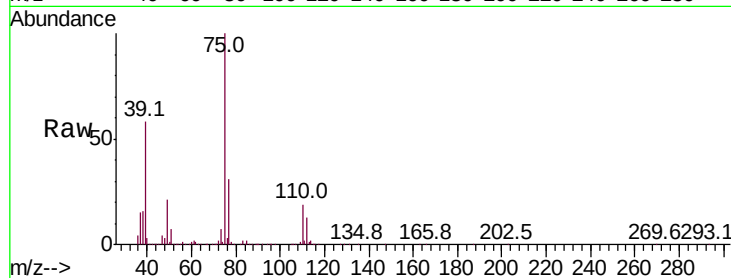
77 30.7 24.8 37.2

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#46

cis-1,3-Dichloropropene

Concen: 9.204 ppbv

RT: 8.84 min Scan# 1836

Delta R.T. -0.00 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

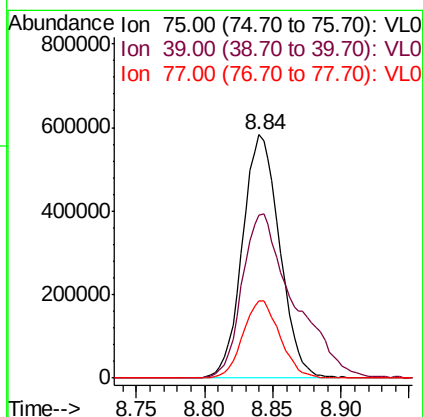
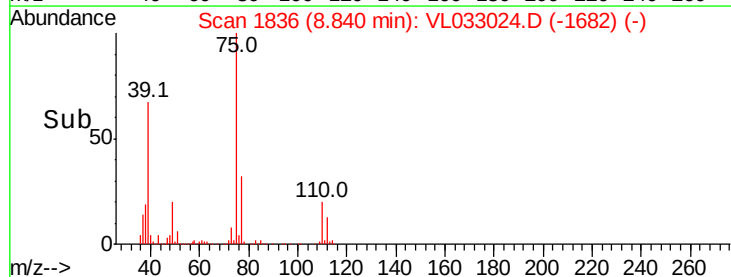
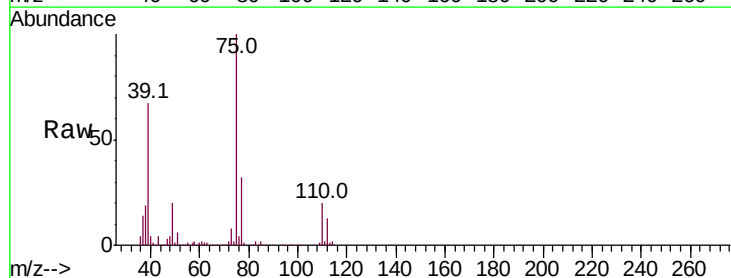
Tgt Ion: 75 Resp: 1102481

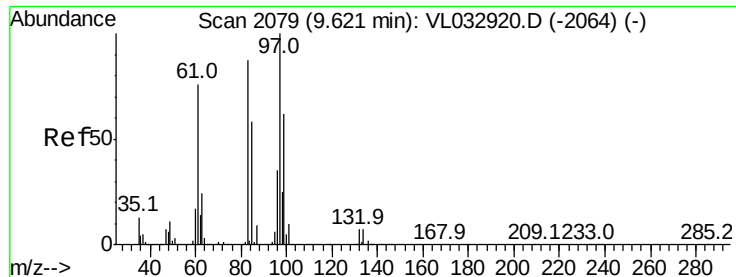
Ion Ratio Lower Upper

75 100

39 66.9 52.8 79.2

77 31.8 24.3 36.5





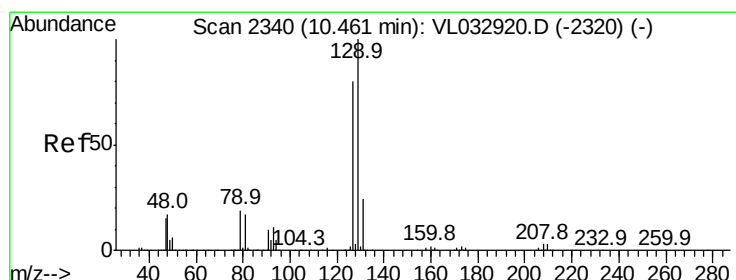
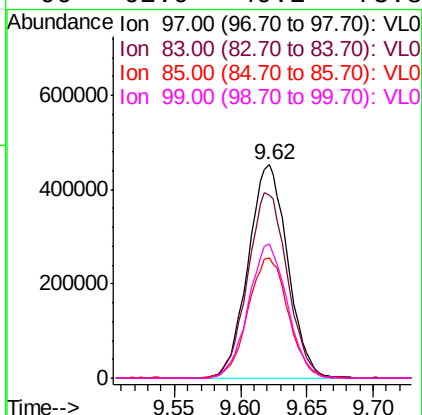
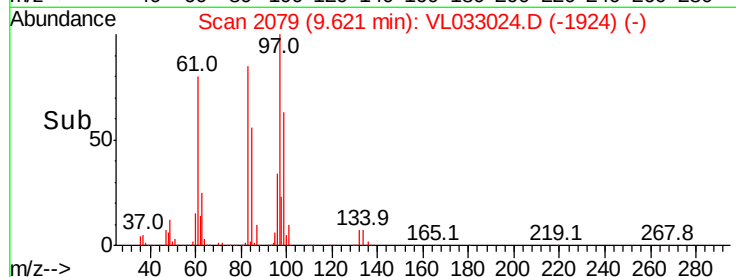
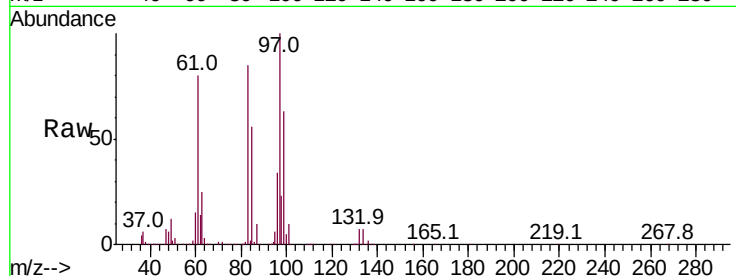
#47
 1,1,2-Trichloroethane
 Concen: 10.455 ppbv
 RT: 9.62 min Scan# 2079
 Delta R.T. -0.00 min
 Lab File: VL033024.D
 Acq: 20 Dec 2018 13:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:	97	Resp:	940109
Ion	Ratio	Lower	Upper
97	100		
83	85.5	69.8	104.8
85	56.0	46.7	70.1
99	62.9	49.2	73.8

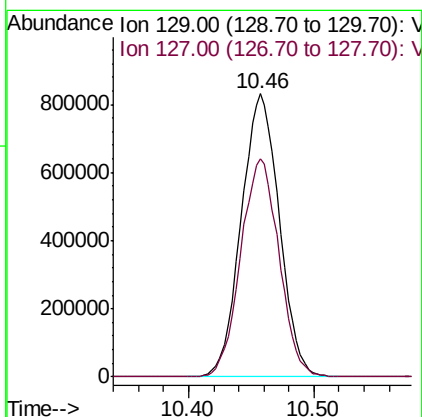
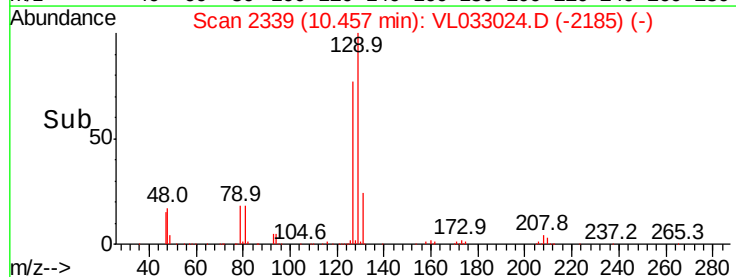
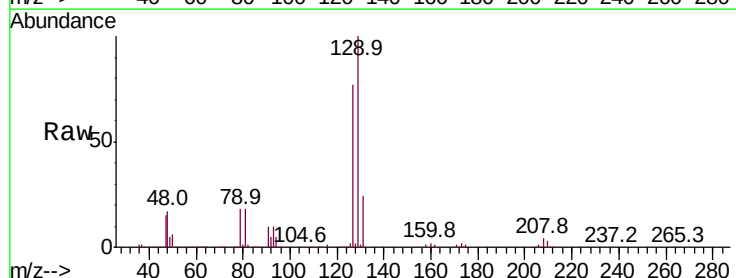
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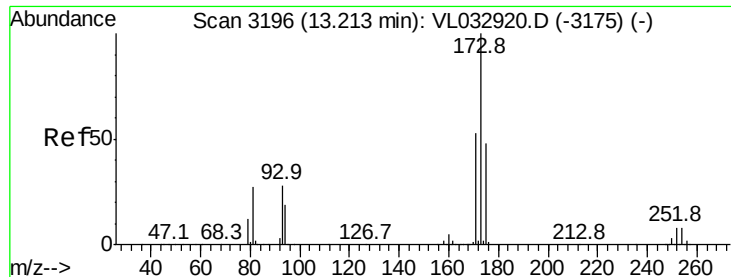
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#48
 Dibromochloromethane
 Concen: 10.393 ppbv
 RT: 10.46 min Scan# 2339
 Delta R.T. -0.00 min
 Lab File: VL033024.D
 Acq: 20 Dec 2018 13:15

Tgt Ion:	129	Resp:	1753232
Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.3	117.8





#49

Bromoform

Concen: 8.602 ppbv

RT: 13.21 min Scan# 3194

Delta R.T. -0.01 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 1193431

Ion Ratio Lower Upper

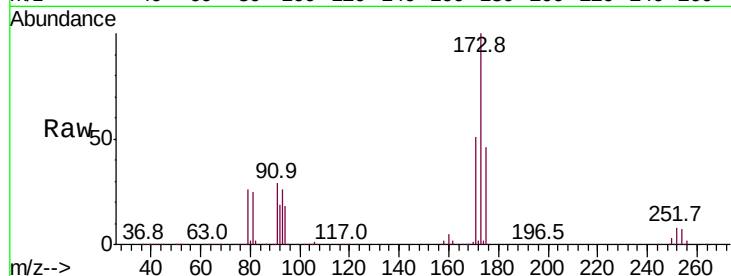
173 100

175 48.3 39.0 58.4

171 51.7 41.5 62.3

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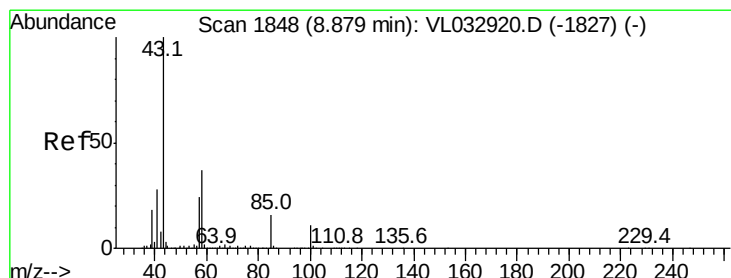
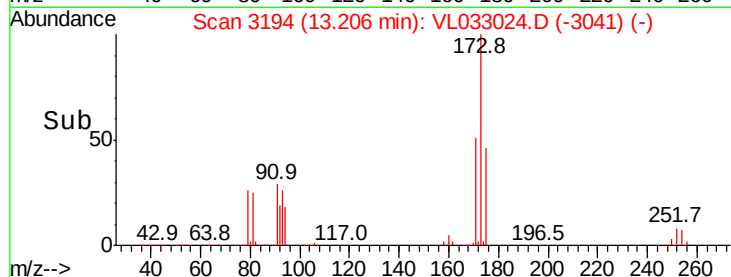
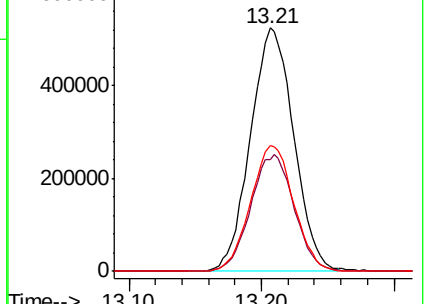
MMDadoda
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 8.161 ppbv

RT: 8.87 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VL033024.D

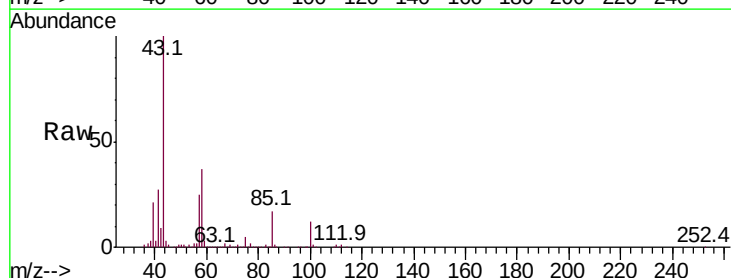
Acq: 20 Dec 2018 13:15

Tgt Ion: 43 Resp: 1664852

Ion Ratio Lower Upper

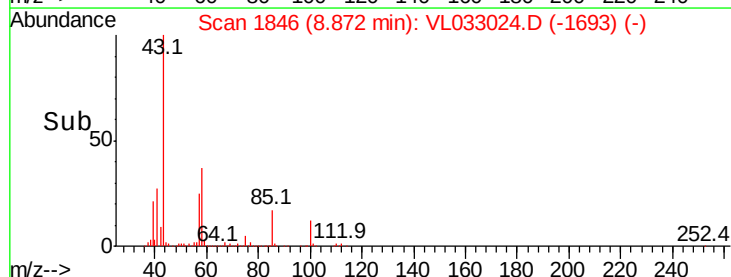
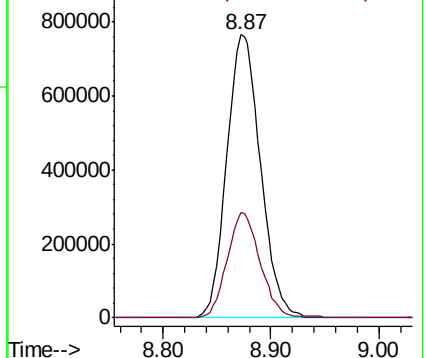
43 100

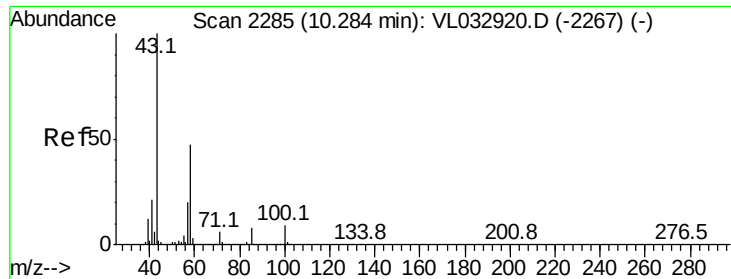
58 36.5 29.0 43.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





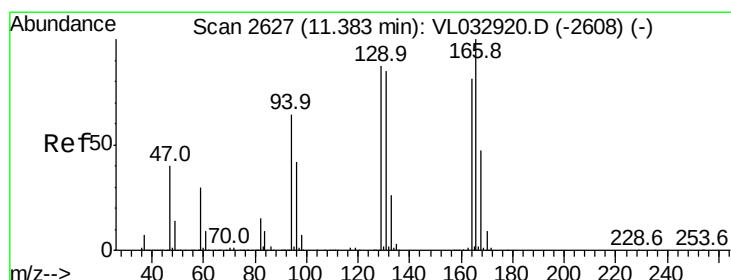
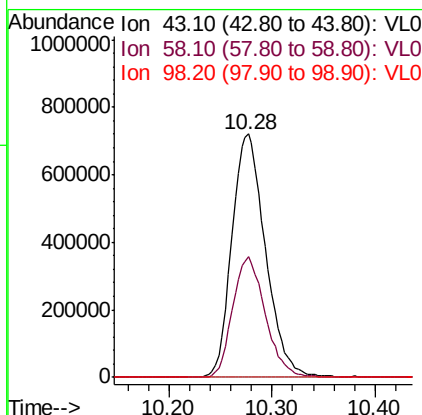
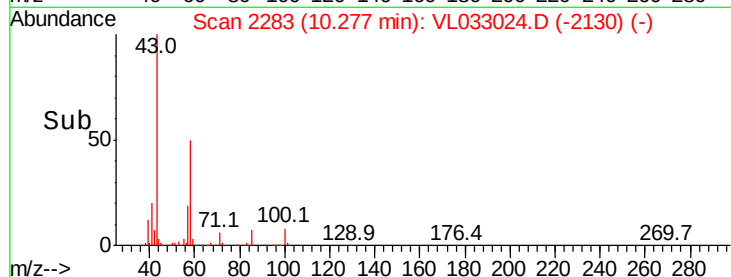
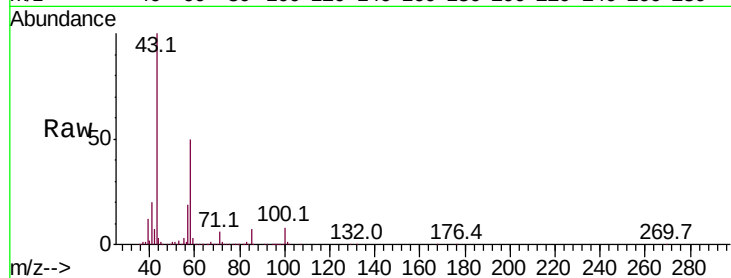
#51
2-Hexanone
Concen: 11.808 ppbv
RT: 10.28 min Scan# 2283
Delta R.T. -0.01 min
Lab File: VL033024.D
Acq: 20 Dec 2018 13:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1633616
Ion Ratio Lower Upper
43 100
58 48.4 38.1 57.1
98 0.5 0.4 0.6

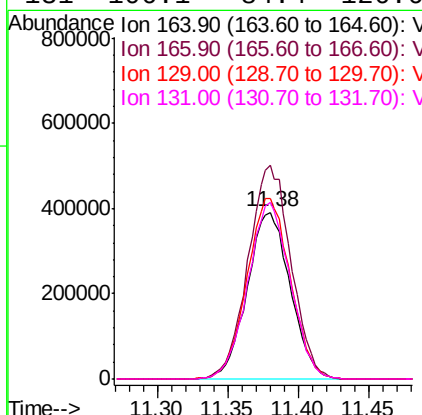
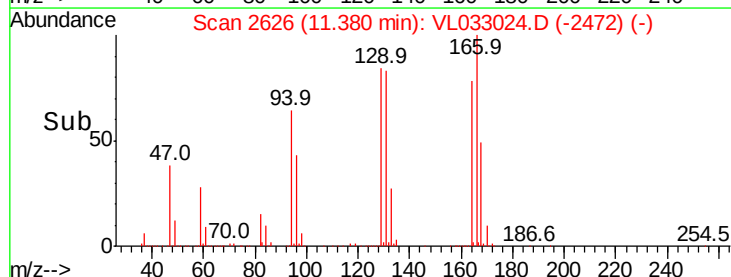
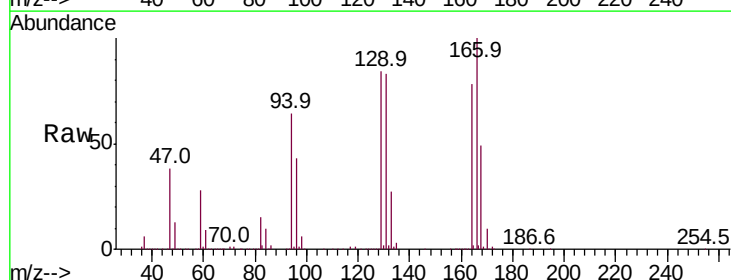
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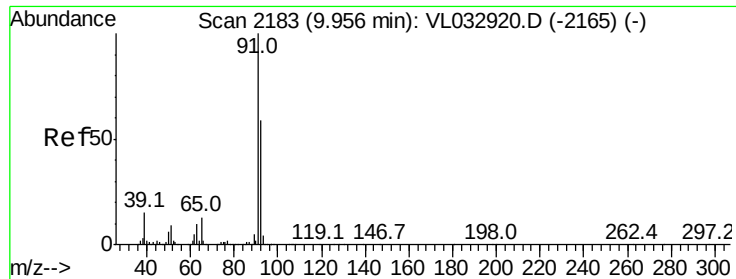
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#52
Tetrachloroethene
Concen: 10.657 ppbv
RT: 11.38 min Scan# 2626
Delta R.T. -0.00 min
Lab File: VL033024.D
Acq: 20 Dec 2018 13:15

Tgt Ion: 164 Resp: 835058
Ion Ratio Lower Upper
164 100
166 127.9 98.8 148.2
129 107.9 85.5 128.3
131 106.1 84.4 126.6





#53

Toluene

Concen: 11.380 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. -0.00 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2599964

Ion Ratio Lower Upper

91 100

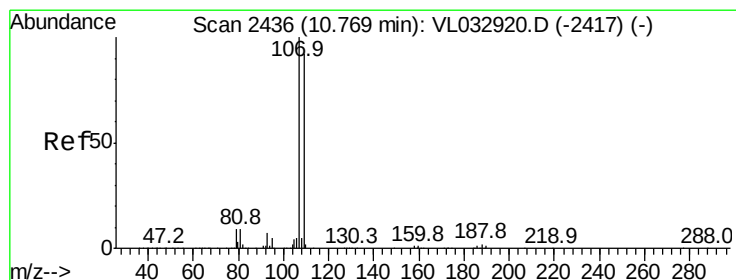
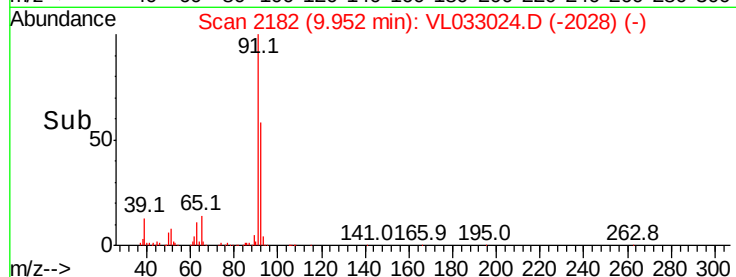
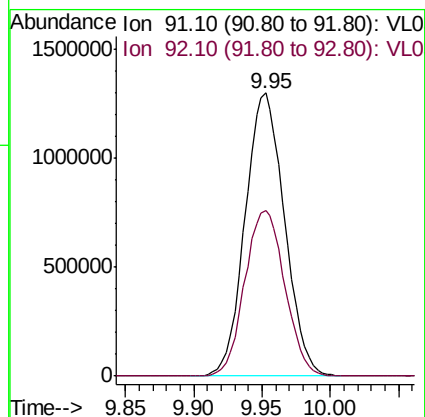
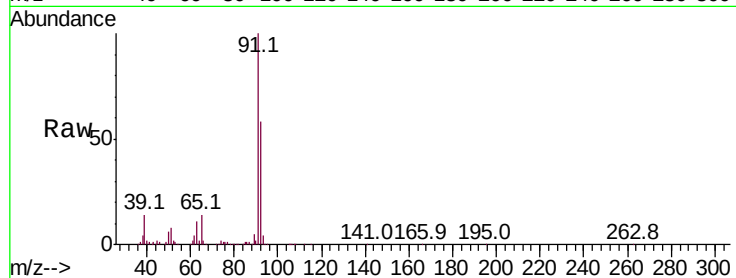
92 59.7 47.4 71.0

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#54

1,2-Dibromoethane

Concen: 8.155 ppbv

RT: 10.77 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VL033024.D

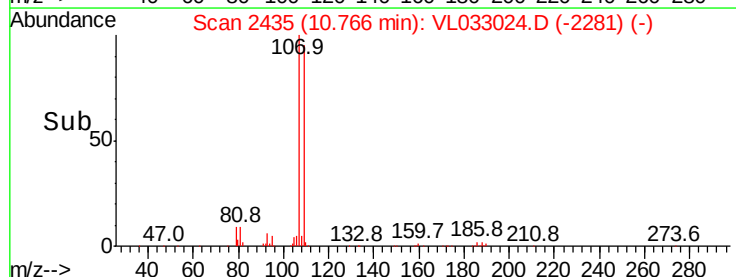
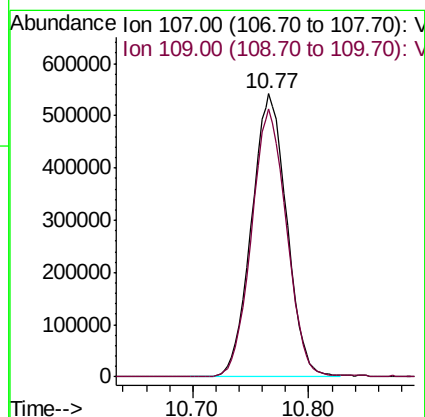
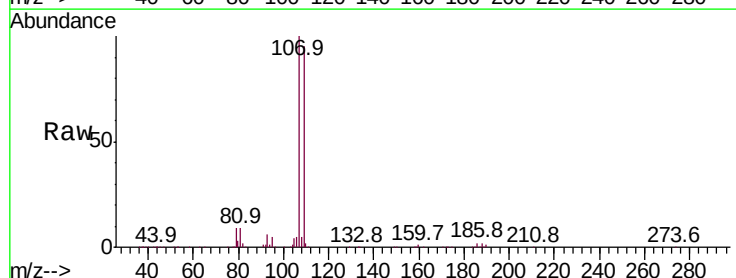
Acq: 20 Dec 2018 13:15

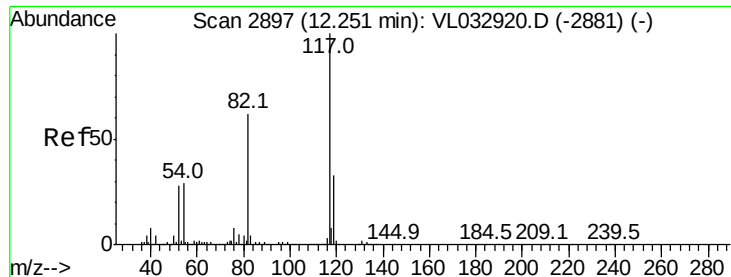
Tgt Ion: 107 Resp: 1145604

Ion Ratio Lower Upper

107 100

109 94.9 73.4 110.2





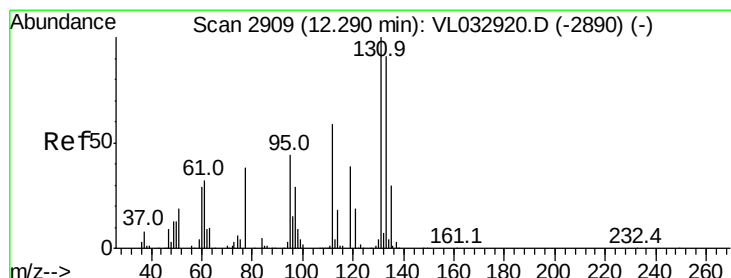
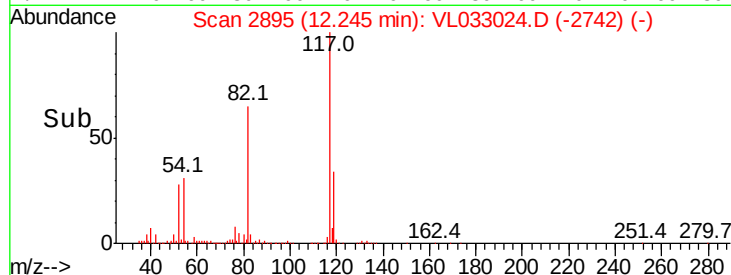
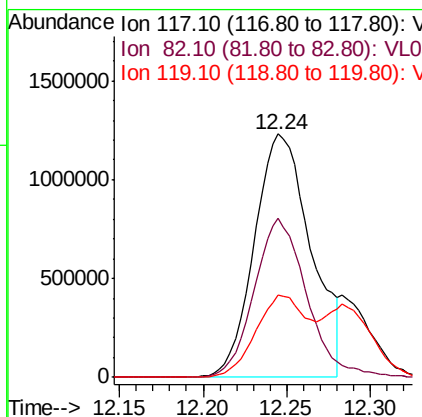
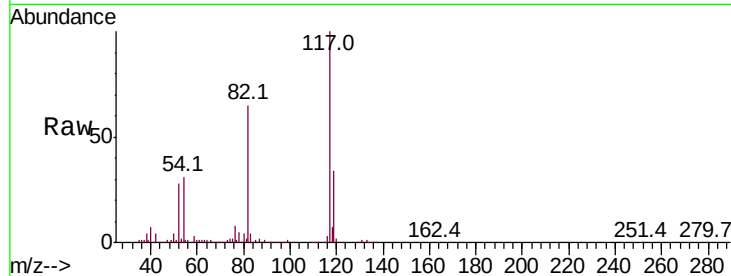
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.24 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL033024.D
Acq: 20 Dec 2018 13:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.7	47.8	71.8
119	32.7	43.1	64.7#

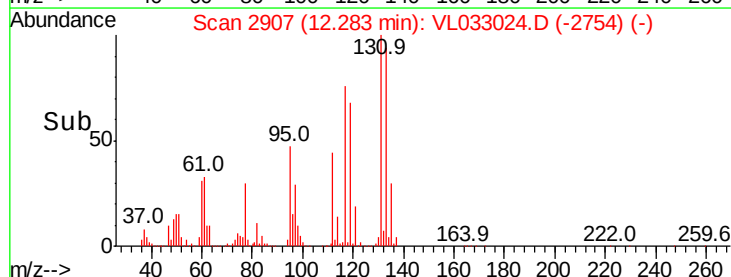
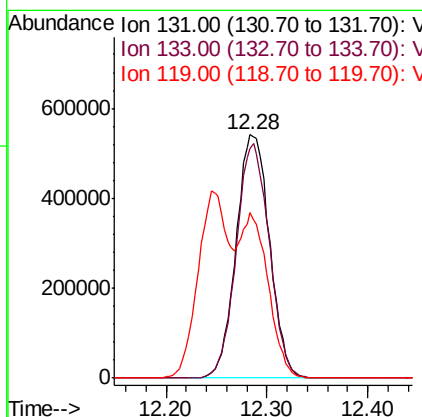
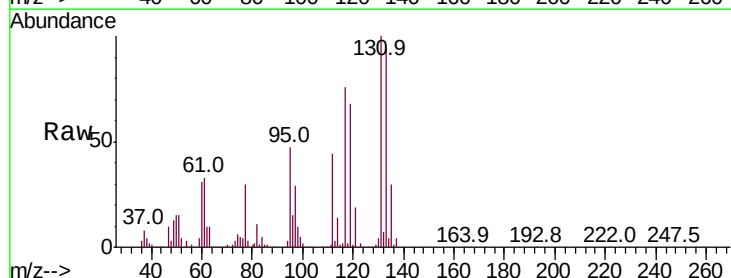
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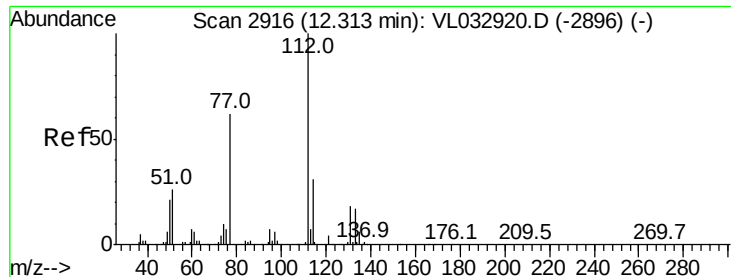
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.586 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. -0.01 min
Lab File: VL033024.D
Acq: 20 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	75.1	112.7
119	59.1	47.5	71.3





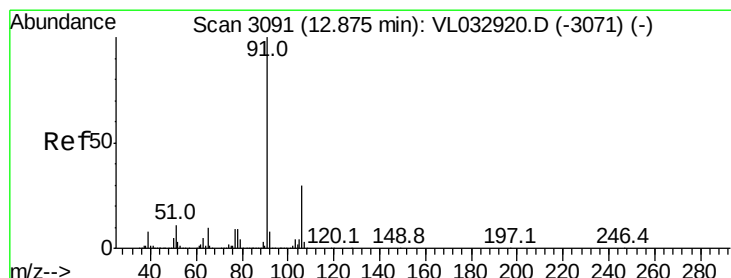
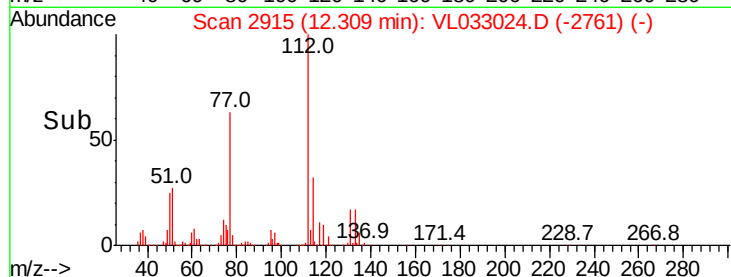
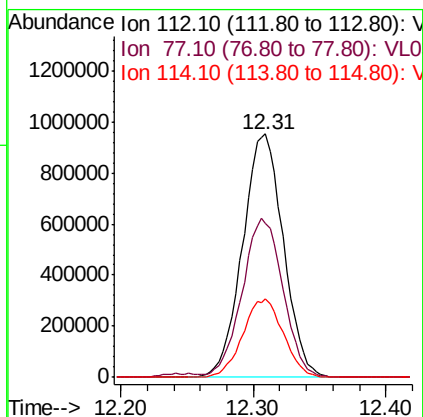
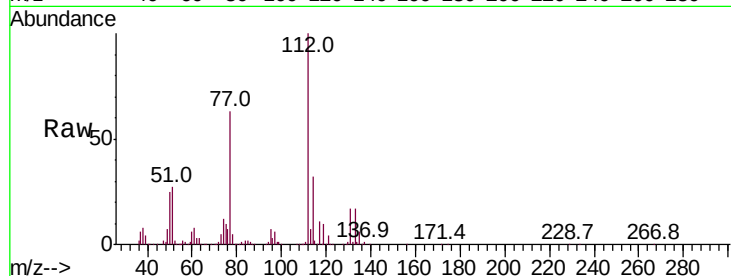
#57
Chlorobenzene
Concen: 9.679 ppbv
RT: 12.31 min Scan# 2915
Delta R.T. -0.00 min
Lab File: VL033024.D
Acq: 20 Dec 2018 13:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	63.3	51.1	76.7
114	32.4	28.4	34.7

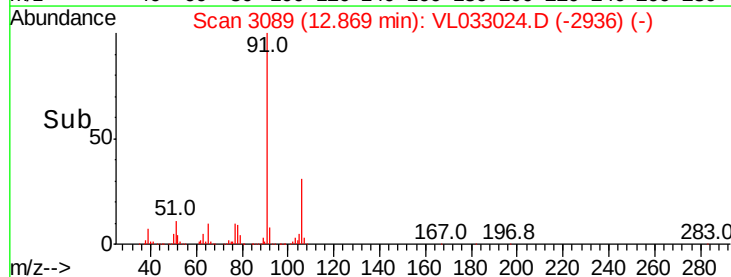
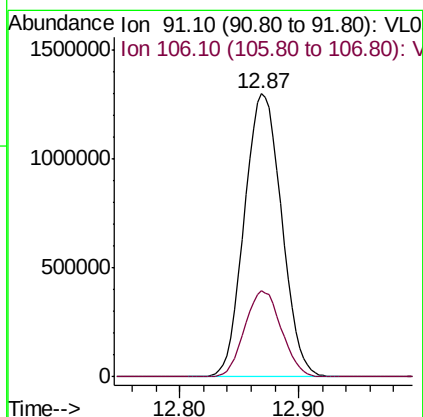
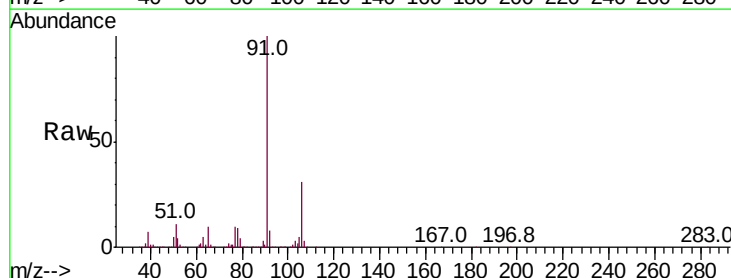
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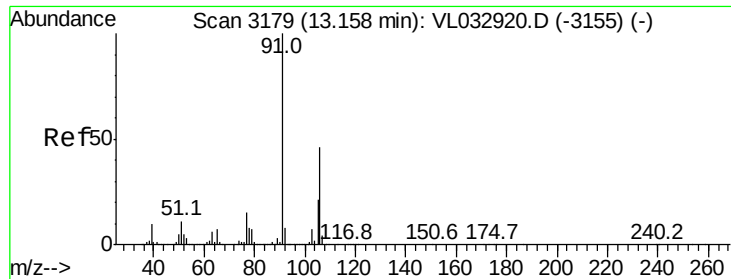
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#58
Ethyl Benzene
Concen: 9.087 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.01 min
Lab File: VL033024.D
Acq: 20 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.9	35.9





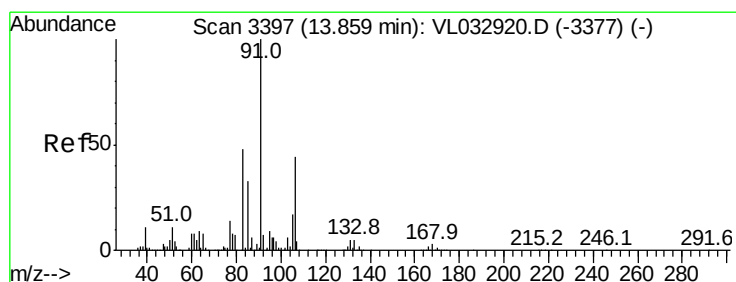
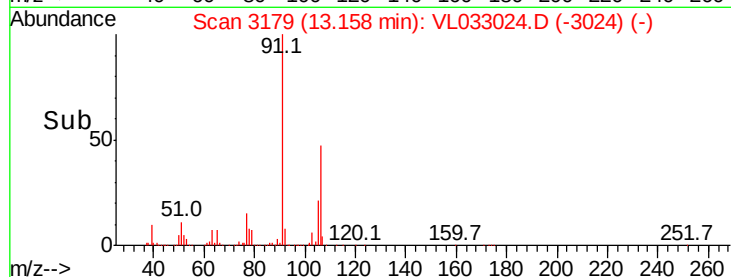
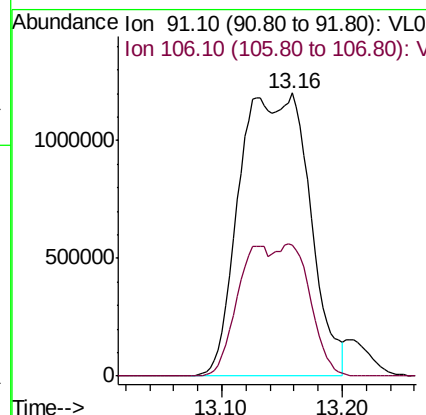
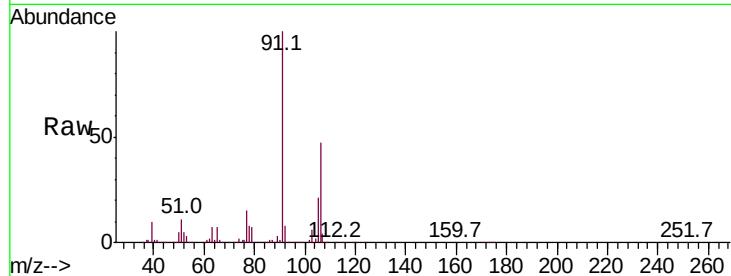
#59
m/p-Xylene
Concen: 17.079 ppbv m
RT: 13.16 min Scan# 3179
Delta R.T. -0.00 min
Lab File: VL033024.D
Acq: 20 Dec 2018 13:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 4801580
Ion Ratio Lower Upper
91 100
106 46.0 0.0 0.0#

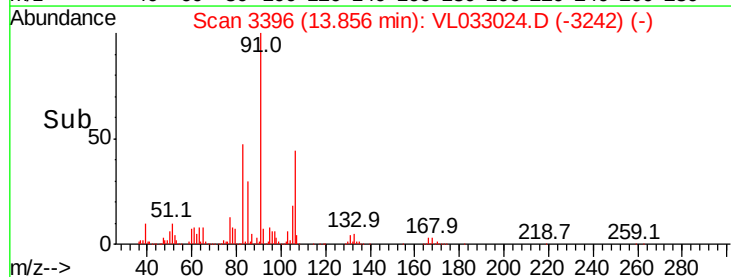
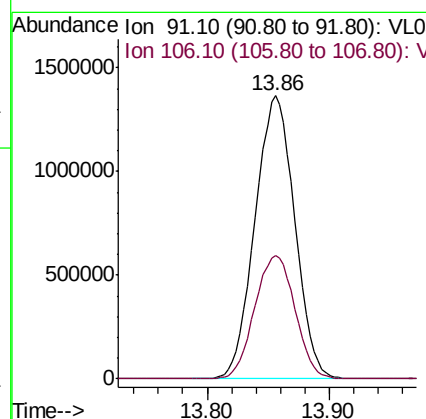
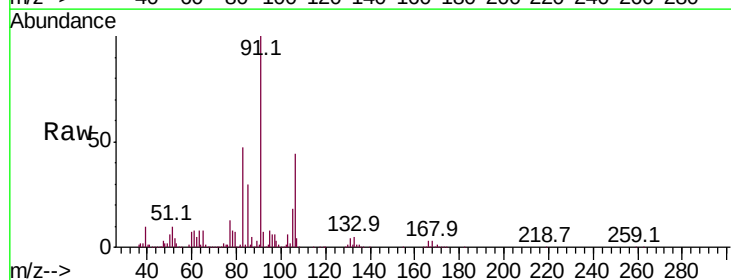
Manual Integrations
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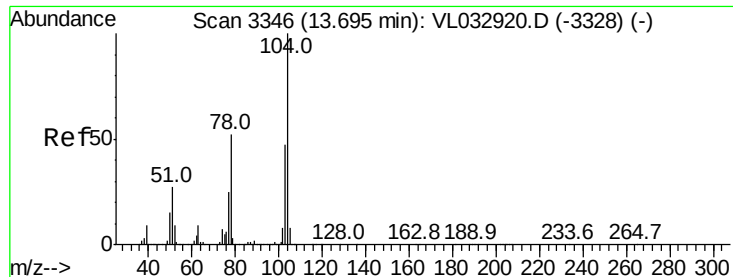
MMDadoda
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#60
o-Xylene
Concen: 10.827 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL033024.D
Acq: 20 Dec 2018 13:15

Tgt Ion: 91 Resp: 3074041
Ion Ratio Lower Upper
91 100
106 44.4 21.9 65.8





#61

Stvrene

Concen: 12.027 ppbv

RT: 13.69 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:104 Resp: 2271464

Ion Ratio Lower Upper

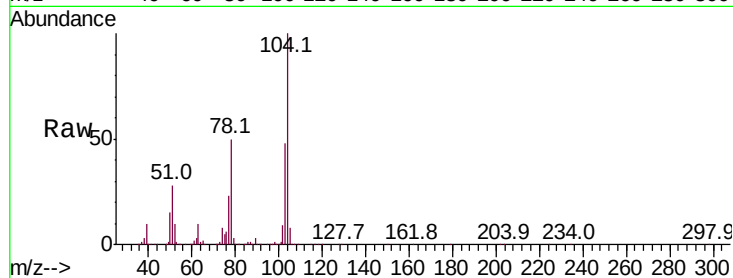
104 100

78 51.9 42.0 63.0

103 47.8 38.3 57.5

Manual Integrations
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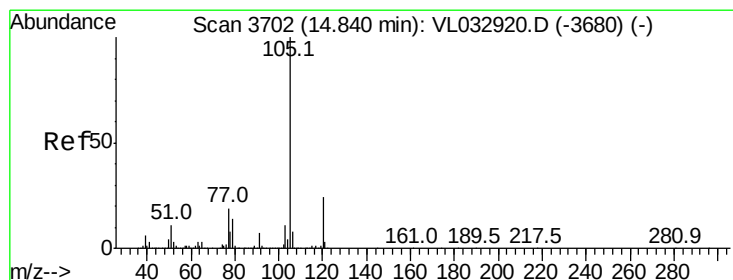
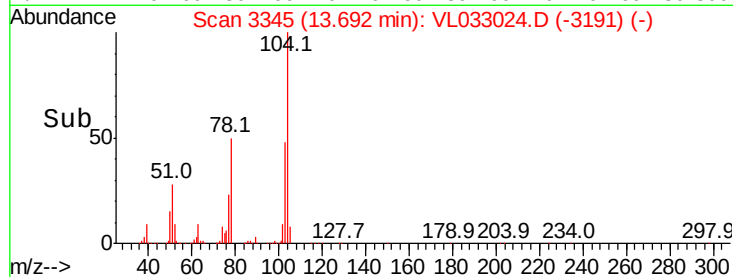
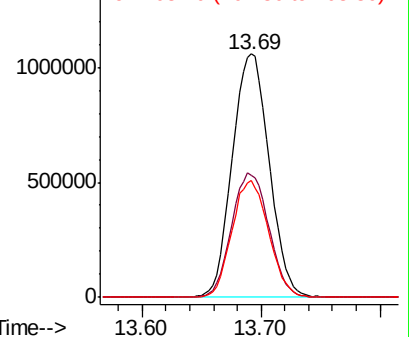
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 11.027 ppbv

RT: 14.83 min Scan# 3700

Delta R.T. -0.01 min

Lab File: VL033024.D

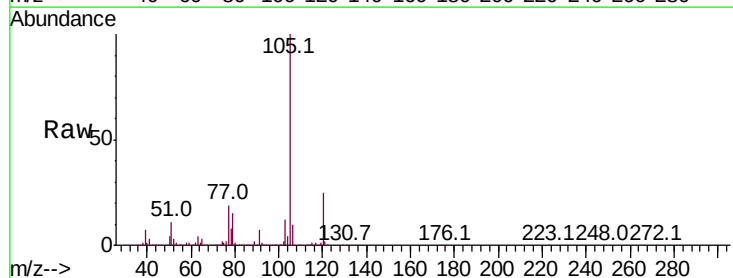
Acq: 20 Dec 2018 13:15

Tgt Ion:105 Resp: 4367893

Ion Ratio Lower Upper

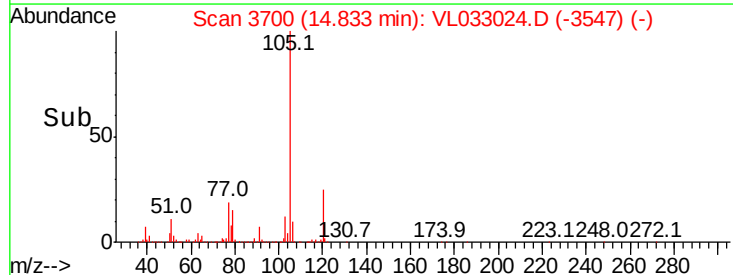
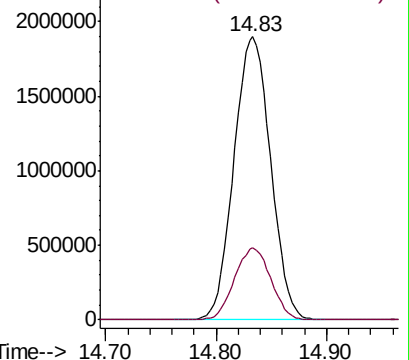
105 100

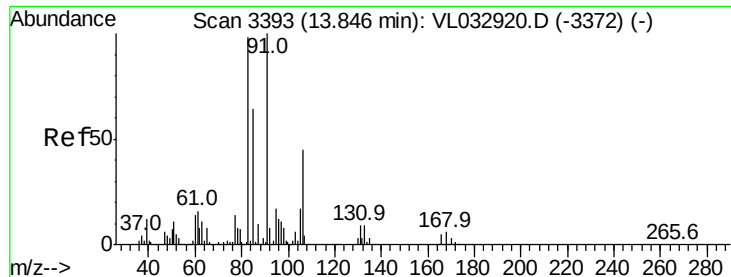
120 25.3 20.3 30.5



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: 9.573 ppbv

RT: 13.84 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDC010

Tot Ion: 83 Resp: 2110383

Ion Ratio Lower Upper

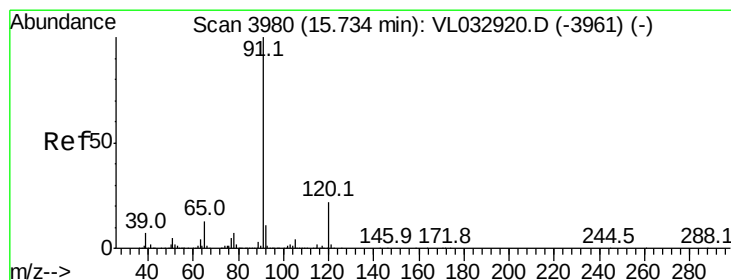
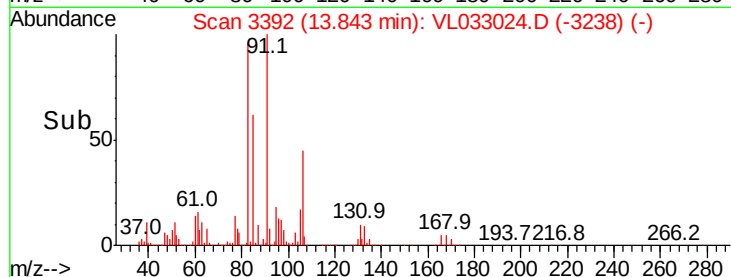
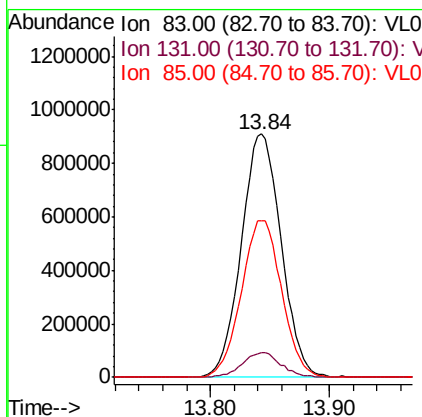
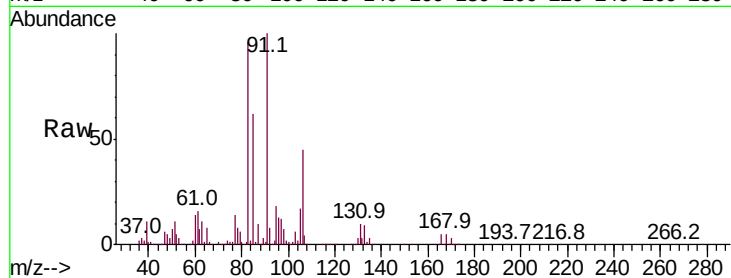
83 100

131 9.9 4.9 14.6

85 65.2 32.9 98.6

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#64

n-propylbenzene

Concen: 10.823 ppbv

RT: 15.73 min Scan# 3979

Delta R.T. -0.00 min

Lab File: VL033024.D

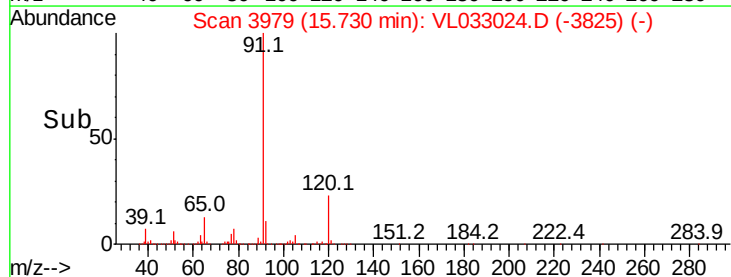
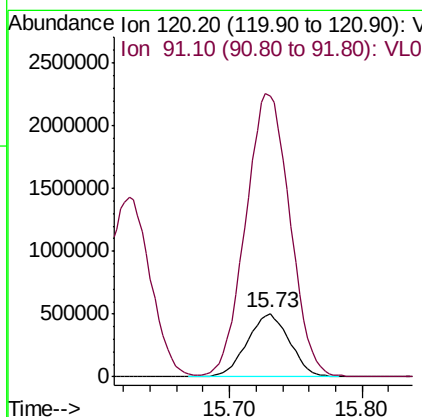
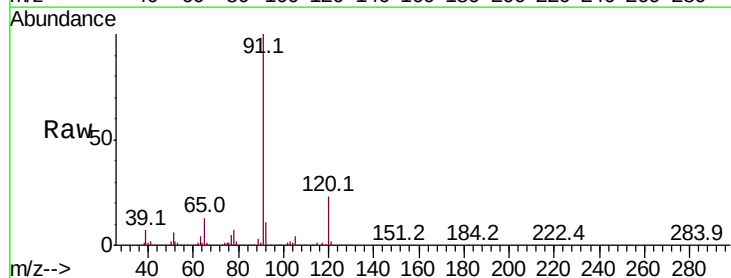
Acq: 20 Dec 2018 13:15

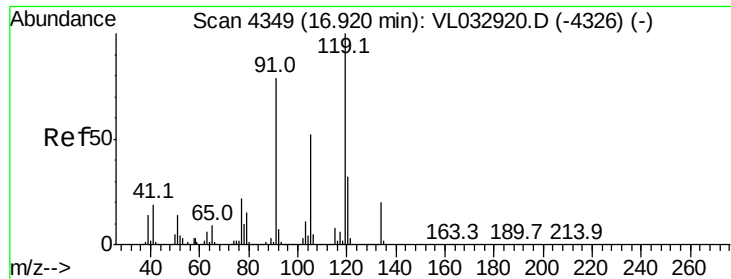
Tgt Ion: 120 Resp: 1113568

Ion Ratio Lower Upper

120 100

91 470.1 380.4 570.6





#65

tert-Butylbenzene

Concen: 10.423 ppbv

RT: 16.92 min Scan# 4348

Delta R.T. -0.00 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

Instrument :

MSVOA_L

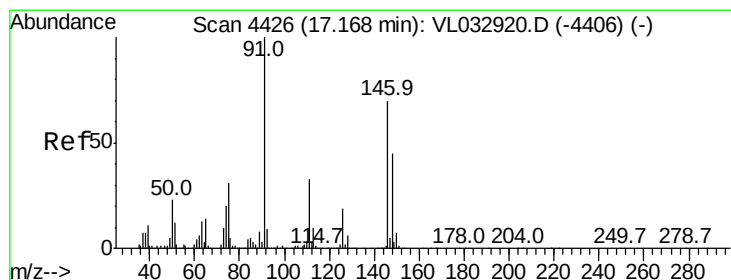
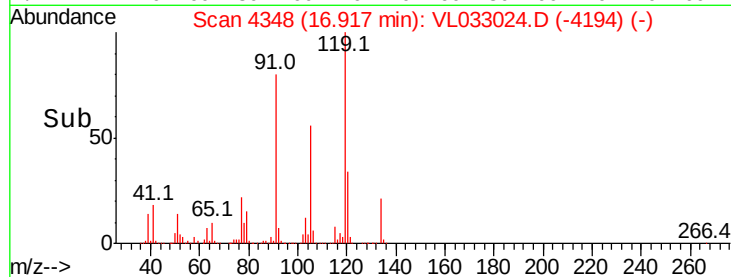
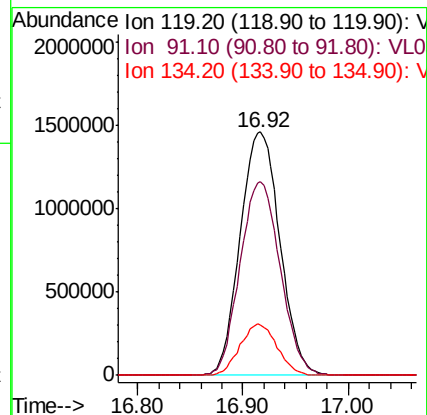
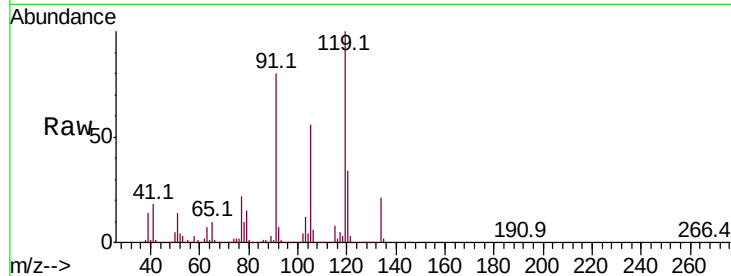
ClientSampleId :

VSTDCCC010

Tot Ion:	119	Resp:	3827564
Ion	Ratio	Lower	Upper
119	100		
91	80.6	64.5	96.7
134	19.6	15.7	23.5

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#66

Benzyl Chloride

Concen: 11.113 ppbv

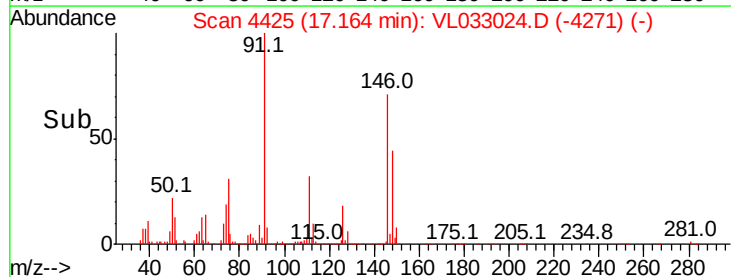
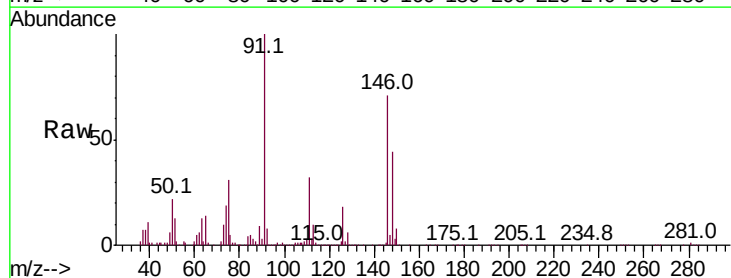
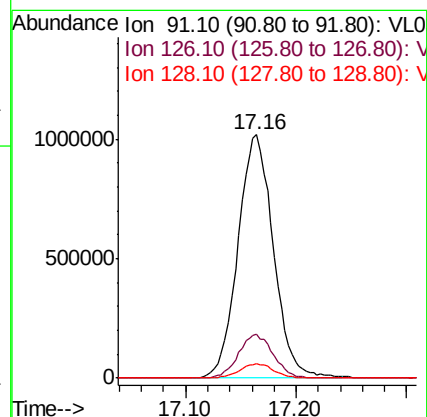
RT: 17.16 min Scan# 4425

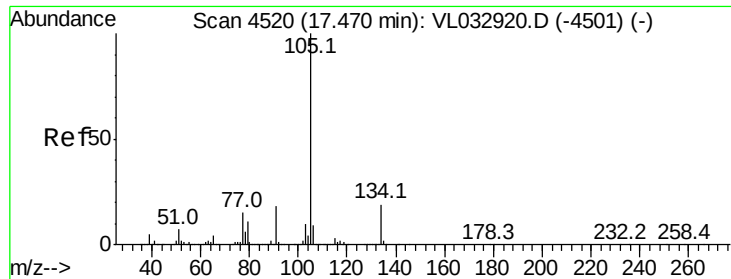
Delta R.T. -0.00 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

Tgt Ion:	91	Resp:	2261882
Ion	Ratio	Lower	Upper
91	100		
126	17.9	14.1	21.1
128	5.8	4.5	6.7





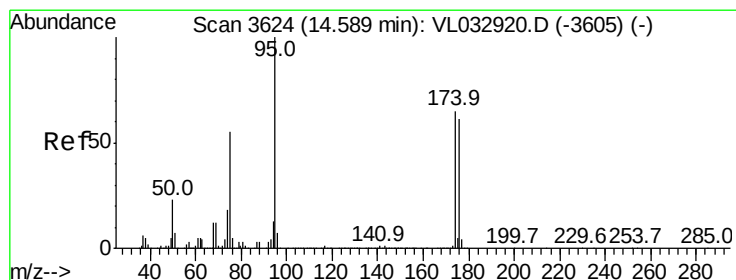
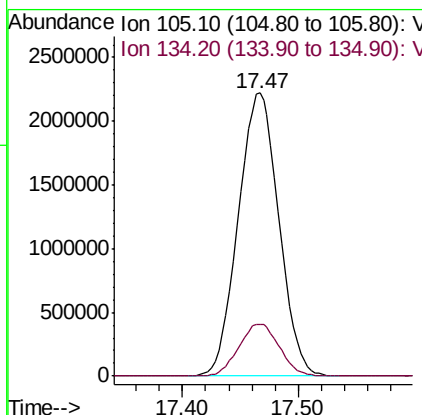
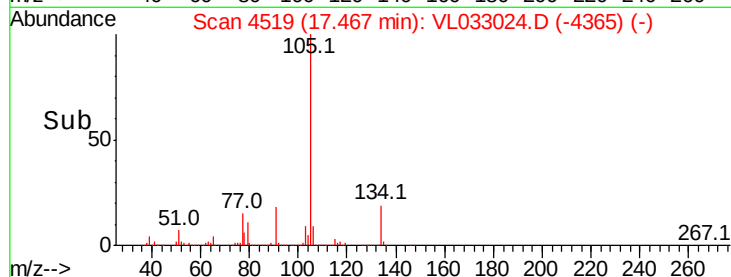
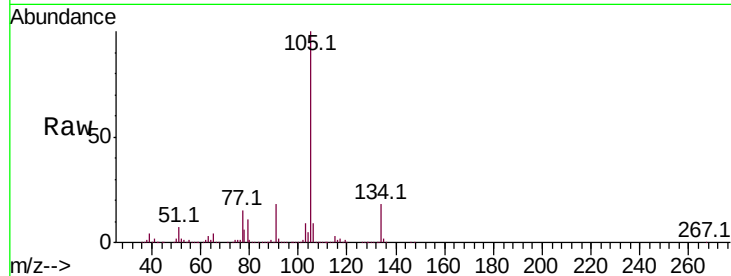
#67
 sec-Butylbenzene
 Concen: 9.959 ppbv
 RT: 17.47 min Scan# 4519
 Delta R.T. -0.00 min
 Lab File: VL033024.D
 Acq: 20 Dec 2018 13:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 105 Resp: 5392063
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.6 21.8

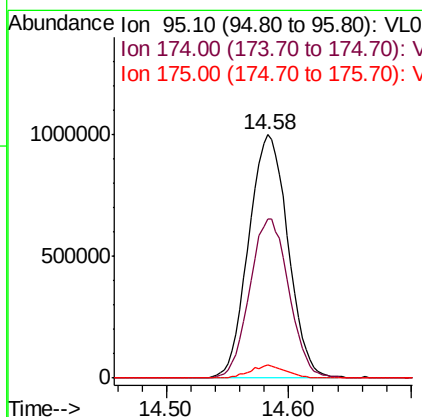
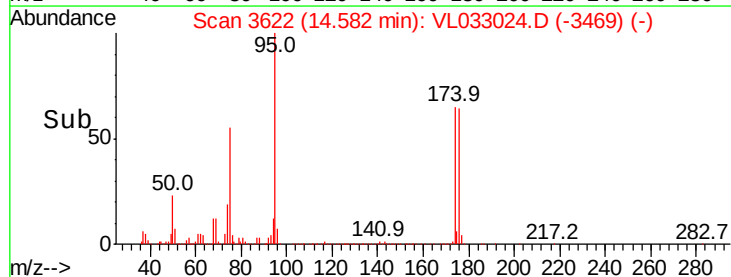
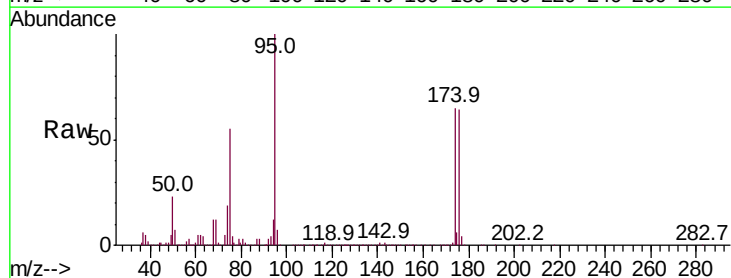
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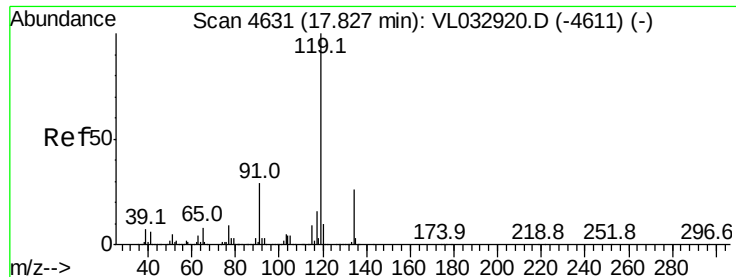
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.330 ppbv
 RT: 14.58 min Scan# 3622
 Delta R.T. -0.01 min
 Lab File: VL033024.D
 Acq: 20 Dec 2018 13:15

Tgt Ion: 95 Resp: 2218519
 Ion Ratio Lower Upper
 95 100
 174 65.6 51.4 77.0
 175 4.8 3.8 5.6





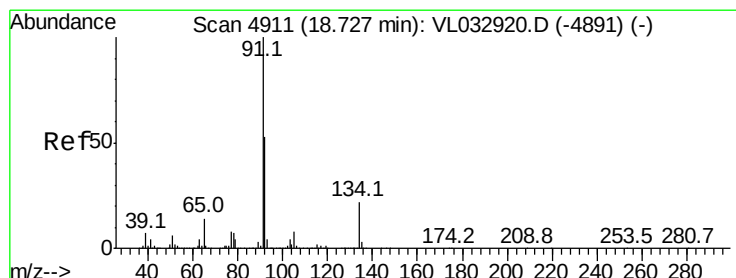
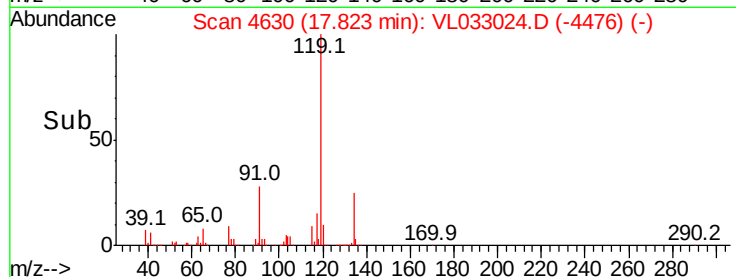
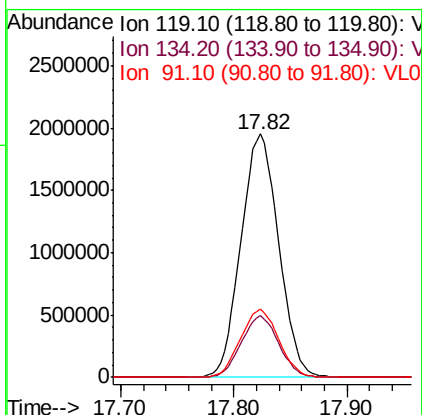
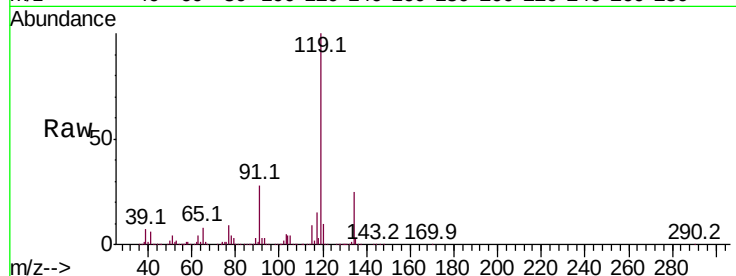
#69
 p-Isopropyltoluene
 Concen: 10.323 ppbv
 RT: 17.82 min Scan# 4630
 Delta R.T. -0.00 min
 Lab File: VL033024.D
 Acq: 20 Dec 2018 13:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.2	30.2
91	28.4	22.9	34.3

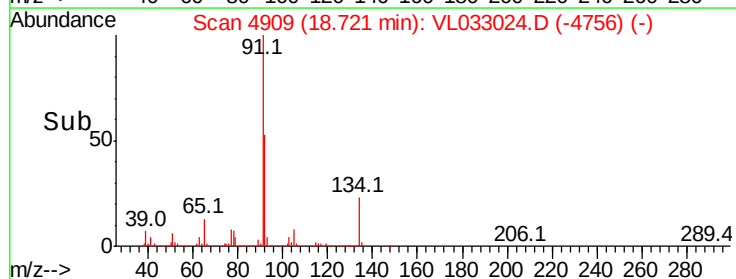
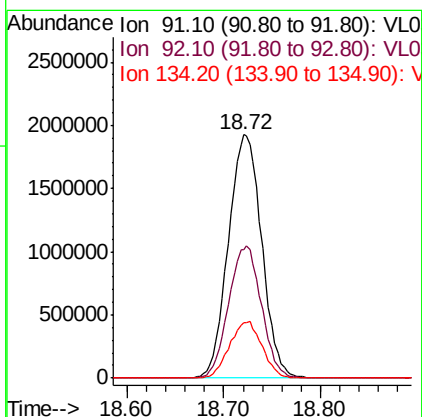
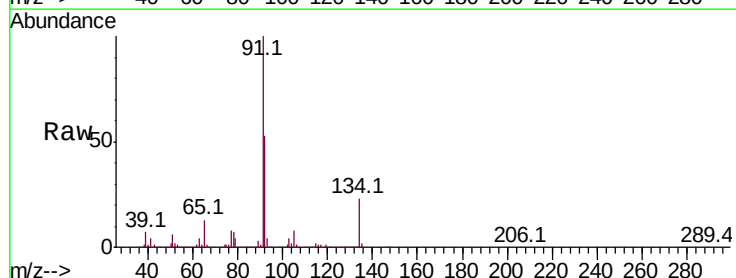
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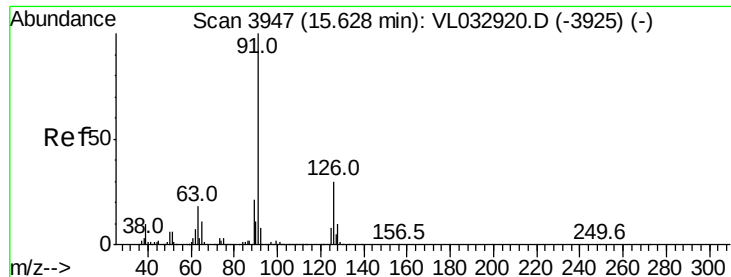
MMDadoda
 12/24/2018 8:26:18 AM



#70
 n-Butylbenzene
 Concen: 11.369 ppbv
 RT: 18.72 min Scan# 4909
 Delta R.T. -0.01 min
 Lab File: VL033024.D
 Acq: 20 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.6	42.7	64.1
134	22.9	18.0	27.0





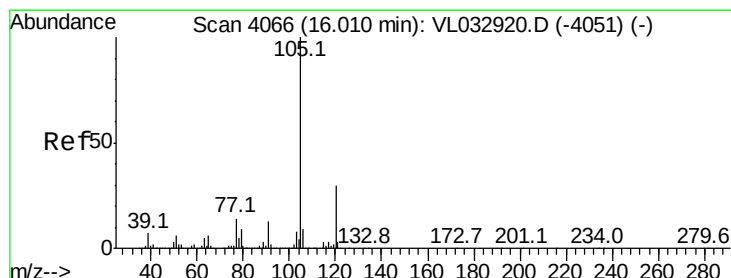
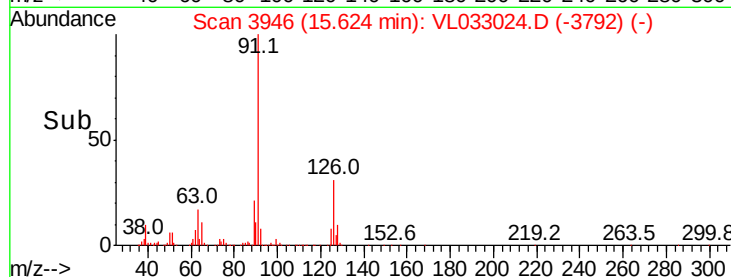
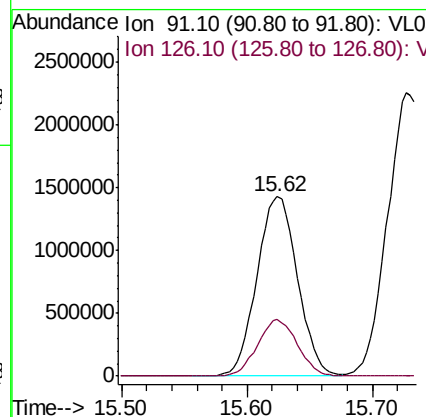
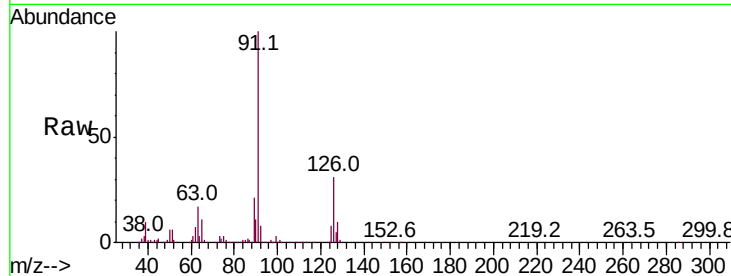
#71
 2-Chlorotoluene
 Concen: 10.928 ppbv
 RT: 15.62 min Scan# 3946
 Delta R.T. -0.00 min
 Lab File: VL033024.D
 Acq: 20 Dec 2018 13:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 91 Resp: 3219159
 Ion Ratio Lower Upper
 91 100
 126 30.9 12.3 49.3

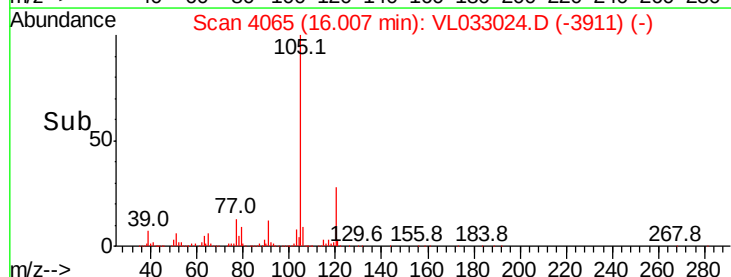
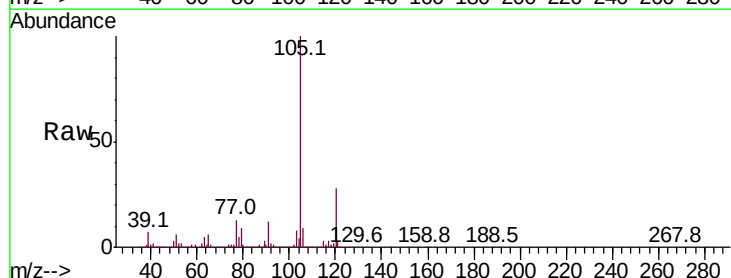
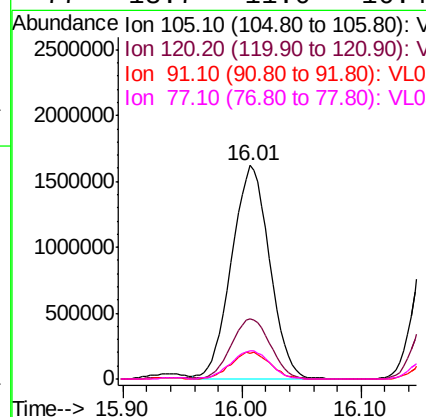
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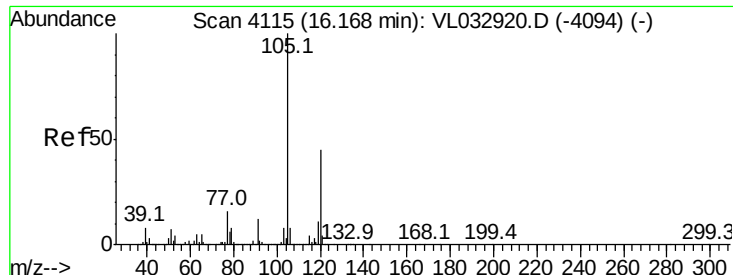
MMDadoda
 12/24/2018 8:26:18 AM



#72
 4-Ethyltoluene
 Concen: 11.317 ppbv
 RT: 16.01 min Scan# 4065
 Delta R.T. -0.00 min
 Lab File: VL033024.D
 Acq: 20 Dec 2018 13:15

Tgt Ion: 105 Resp: 3587106
 Ion Ratio Lower Upper
 105 100
 120 29.1 23.0 34.4
 91 12.9 10.4 15.6
 77 13.7 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 11.222 ppbv

RT: 16.16 min Scan# 4114

Delta R.T. -0.00 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 3472635

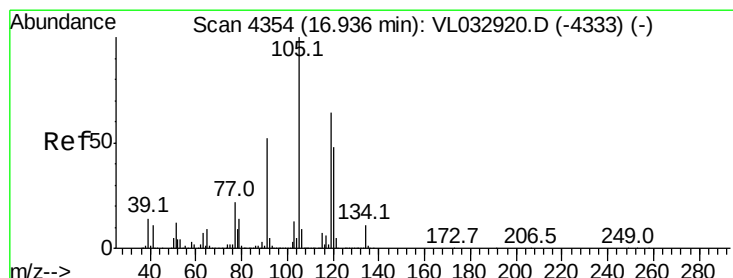
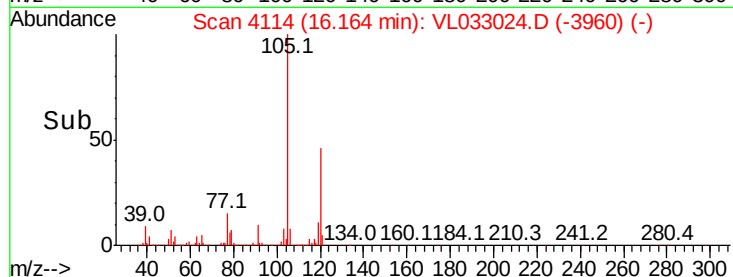
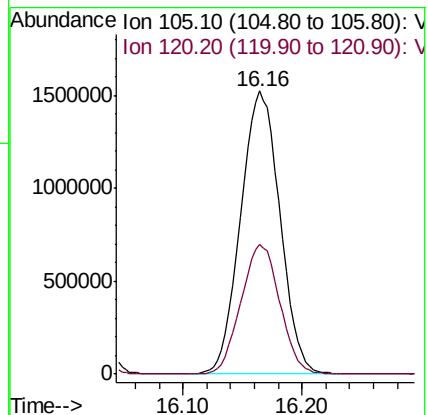
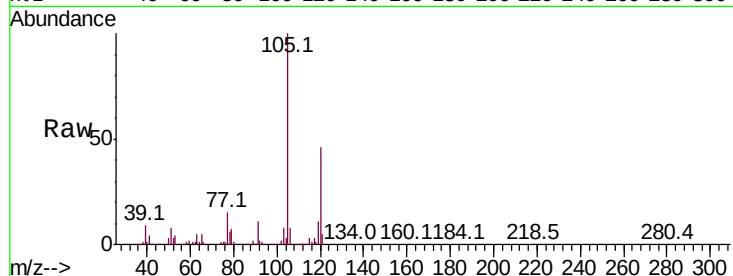
Ion Ratio Lower Upper

105 100

120 45.6 36.0 54.0

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#74

1,2,4-Trimethylbenzene

Concen: 9.936 ppbv

RT: 16.93 min Scan# 4353

Delta R.T. -0.00 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

Tgt Ion:105 Resp: 3471620

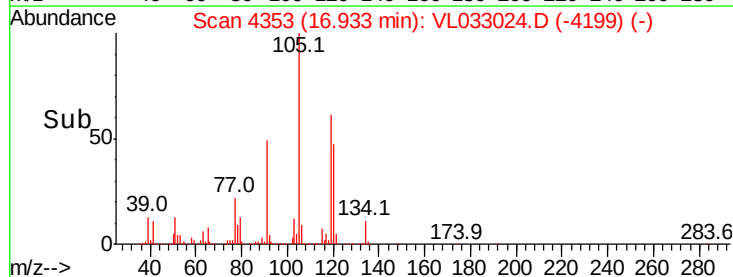
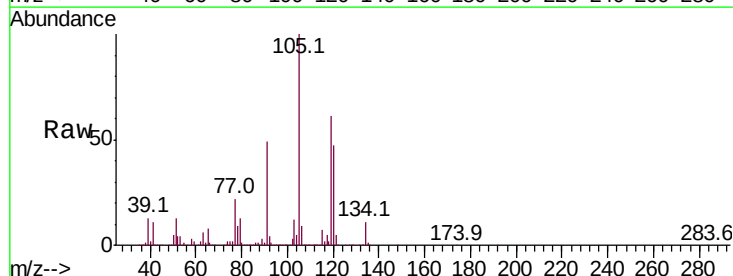
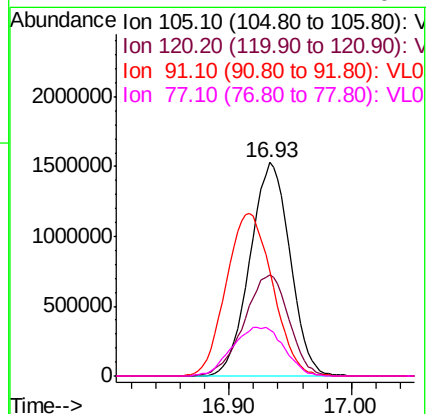
Ion Ratio Lower Upper

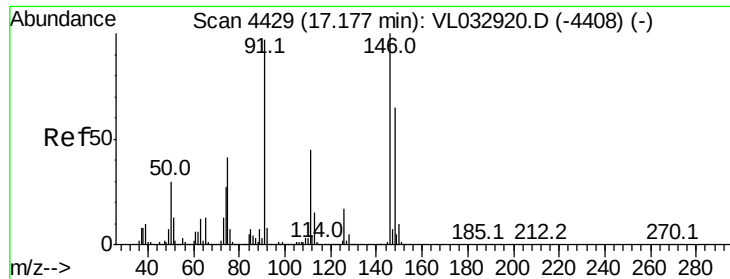
105 100

120 47.1 38.6 58.0

91 49.2 41.7 62.5

77 21.4 17.4 26.2





#75

1,3-Dichlorobenzene

Concen: 9.549 ppbv

RT: 17.17 min Scan# 4427

Delta R.T. -0.01 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 1964803

Ion Ratio Lower Upper

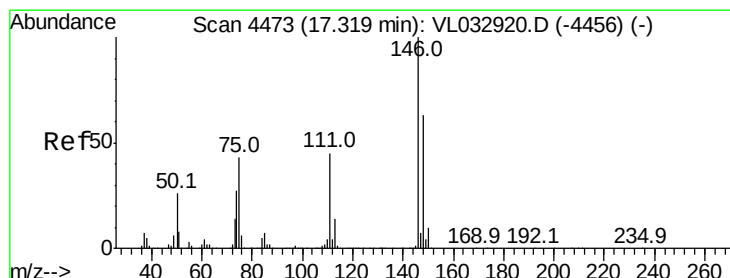
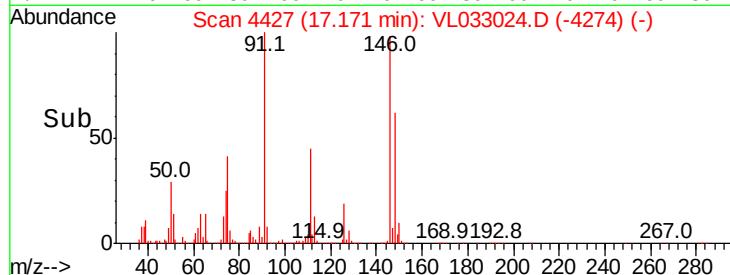
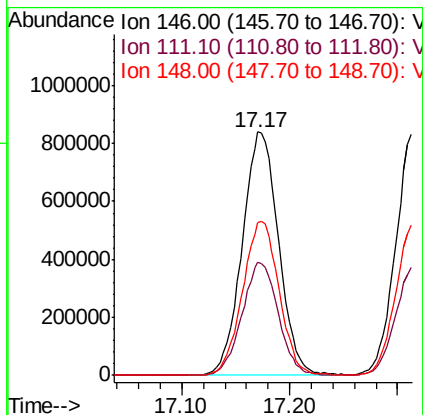
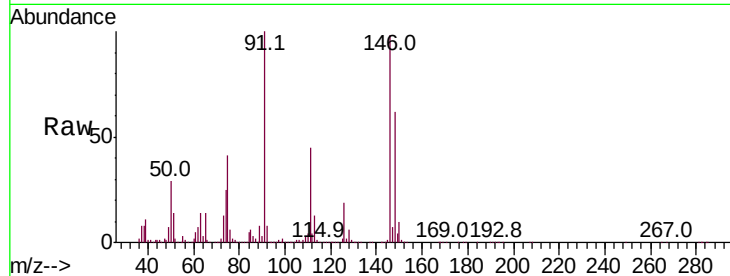
146 100

111 46.3 23.6 70.8

148 63.7 32.1 96.3

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#76

1,4-Dichlorobenzene

Concen: 9.948 ppbv

RT: 17.32 min Scan# 4472

Delta R.T. -0.00 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

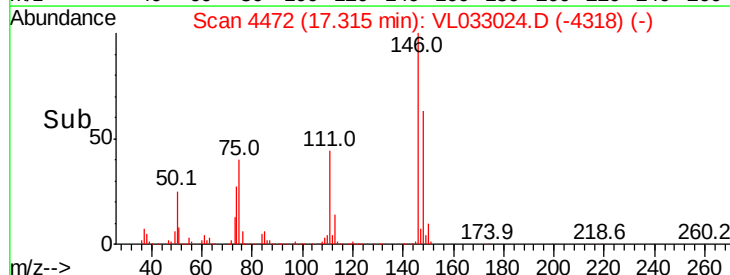
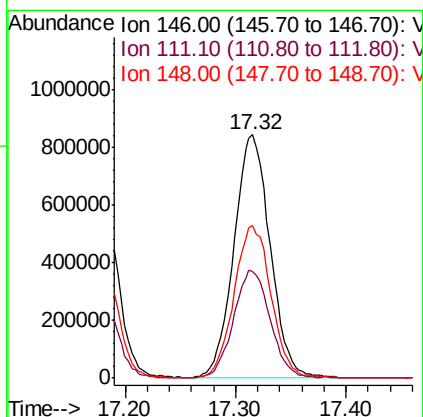
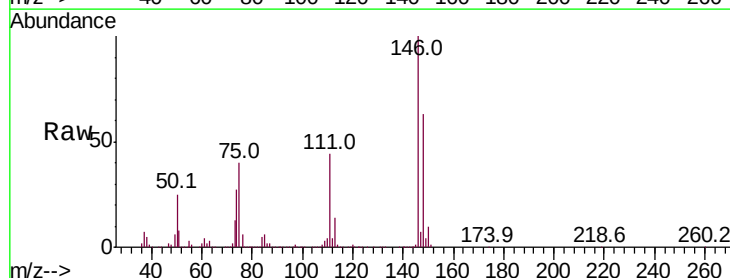
Tgt Ion:146 Resp: 1910077

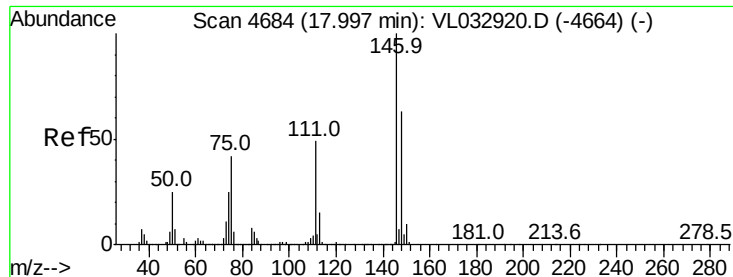
Ion Ratio Lower Upper

146 100

111 45.1 22.8 68.4

148 64.7 32.0 96.2





#77

1,2-Dichlorobenzene

Concen: 10.036 ppbv

RT: 18.00 min Scan# 4684

Delta R.T. -0.00 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

Instrument :

MSVOA_L

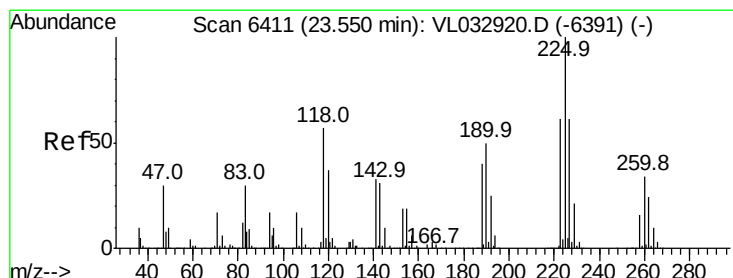
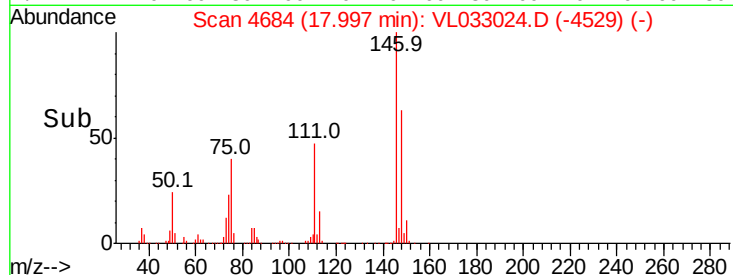
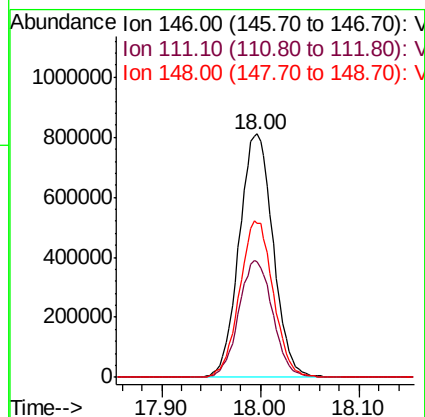
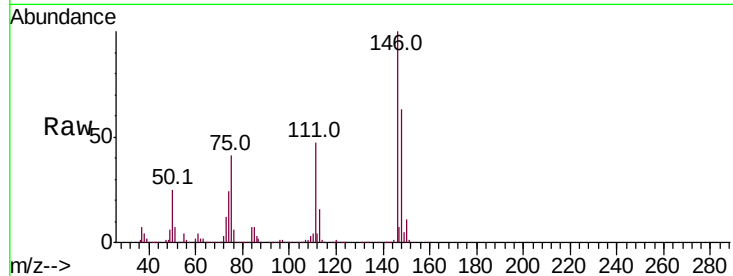
ClientSampleId :

VSTDCCC010

Tot Ion:	146	Resp:	1928399
Ion	Ratio	Lower	Upper
146	100		
111	48.0	24.3	72.9
148	63.9	32.0	96.2

Manual Integrations
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#78

Hexachloro-1,3-Butadiene

Concen: 8.799 ppbv

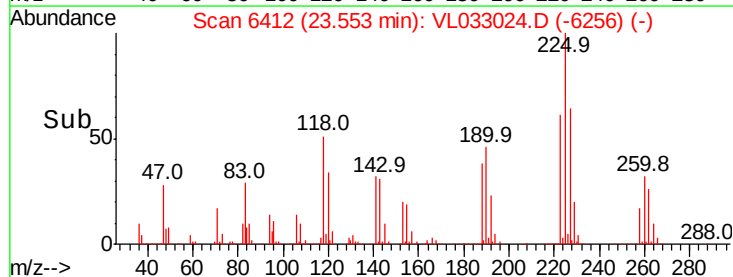
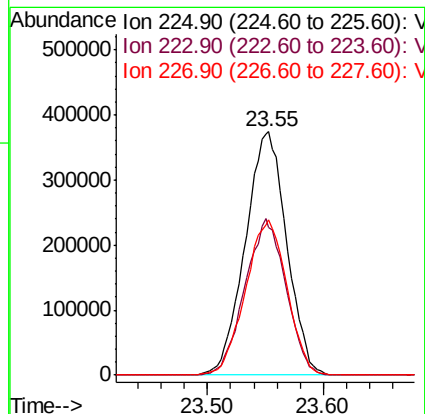
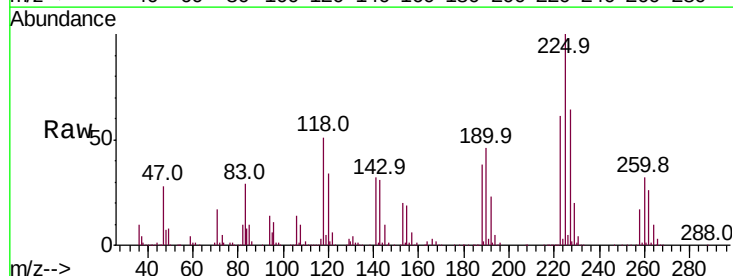
RT: 23.55 min Scan# 6412

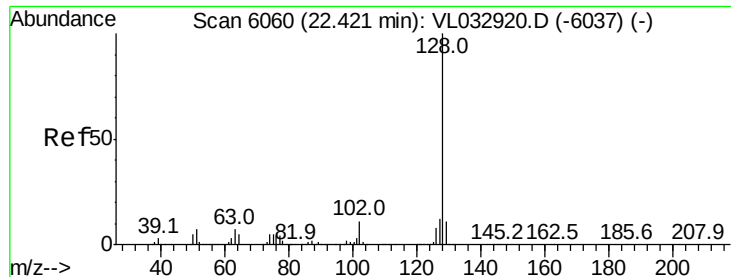
Delta R.T. 0.00 min

Lab File: VL033024.D

Acq: 20 Dec 2018 13:15

Tgt Ion:	225	Resp:	929856
Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.6	75.8
227	63.8	50.4	75.6





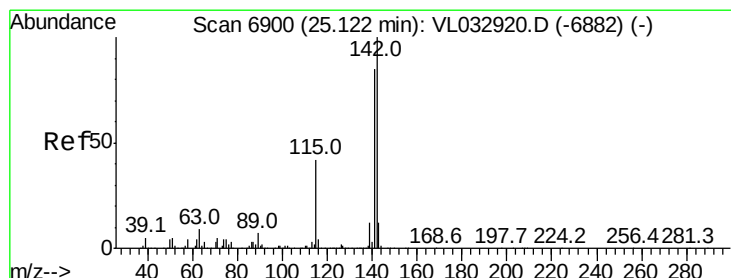
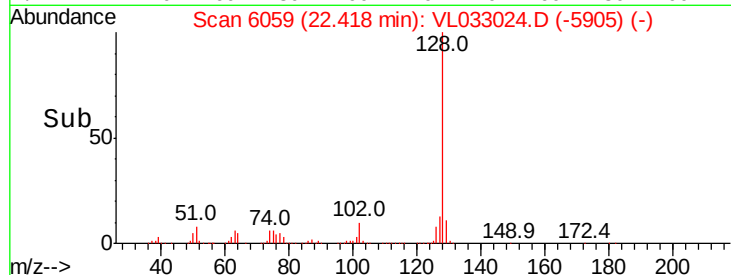
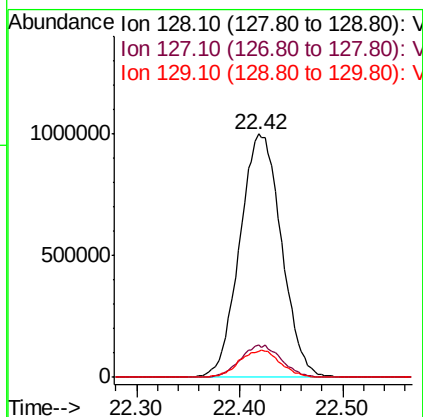
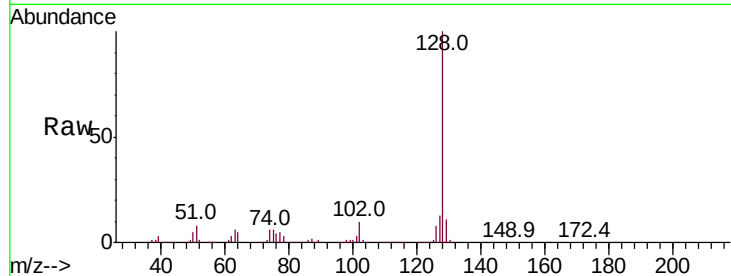
#79
Naphthalene
Concen: 12.418 ppbv
RT: 22.42 min Scan# 6059
Delta R.T. -0.00 min
Lab File: VL033024.D
Acq: 20 Dec 2018 13:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	9.9	14.9
129	10.6	8.6	13.0

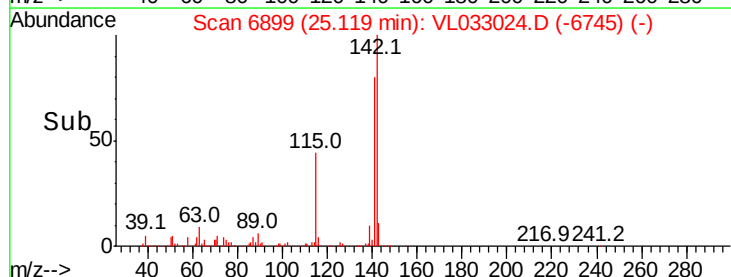
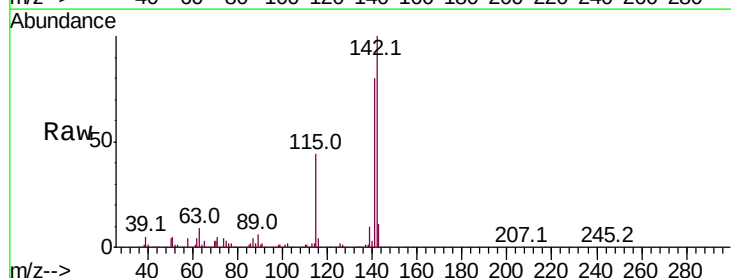
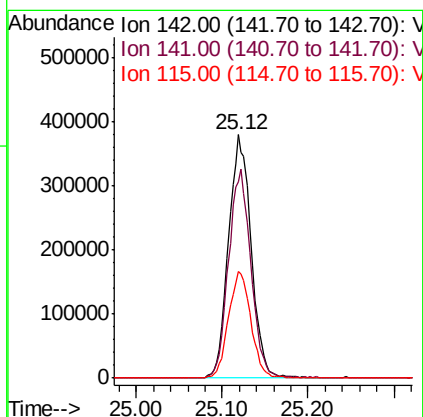
Manual Integrations
APPROVED

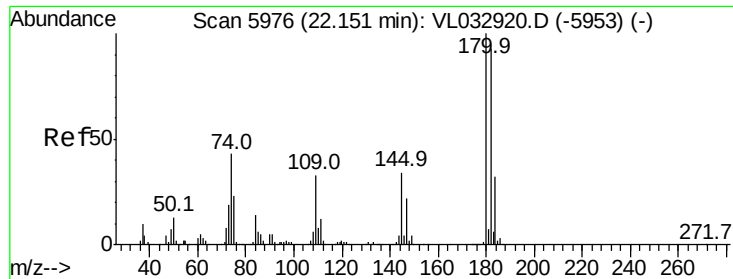
MMDadoda
12/24/2018 8:26:18 AM



#80
Naphthalene, 2-methyl-
Concen: 14.325 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. -0.00 min
Lab File: VL033024.D
Acq: 20 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.2	68.2	102.2
115	43.5	35.1	52.7





#81
 1,2,4-Trichlorobenzene
 Concen: 11.788 ppbv
 RT: 22.14 min Scan# 5974
 Delta R.T. -0.01 min
 Lab File: VL033024.D
 Acq: 20 Dec 2018 13:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.0	115.6
184	30.4	24.3	36.5

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 8:26:18 AM

