

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052819\
 Data File : VL033813.D
 Acq On : 28 May 2019 21:14
 Operator : SY/AP
 Sample : VL0528ABS02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS02

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

Quant Time: May 29 05:47:09 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	843677	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2060070	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2185852m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1680308	9.48	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	1506386	8.472	ppbv	99
3) Chlorodifluoromethane	3.01	51	959232	9.926	ppbv	99
4) Chloromethane	3.17	50	560657	10.143	ppbv	99
5) Vinyl Chloride	3.29	62	555896	9.873	ppbv	99
6) Bromomethane	3.51	94	347626	10.118	ppbv	92
7) Chloroethane	3.60	64	210090	10.499	ppbv	95
8) Dichlorotetrafluoroethane	3.22	85	1462599	10.203	ppbv	100
9) Propene	3.03	41	413057	10.049	ppbv	99
10) Heptane	8.24	43	1130505	9.712	ppbv	100
11) Trichlorofluoromethane	4.00	101	1709650	10.075	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1145794	9.669	ppbv	98
13) Ethanol	3.65	45	96527	7.266	ppbv	99
14) Bromoethene	3.79	108	467167	10.724	ppbv	99
15) Acetone	3.90	43	1044912	8.927	ppbv	100
16) 1,3-Butadiene	3.36	39	502011	10.769	ppbv	99
17) tert-Butyl alcohol	4.35	59	989440	10.453	ppbv	100
18) 1,1-Dichloroethene	4.35	96	507894	10.154	ppbv	97
19) Isopropyl Alcohol	4.02	45	759386	10.061	ppbv #	98
20) Methylene Chloride	4.40	84	424054	9.409	ppbv	100
21) Allyl Chloride	4.47	41	718126	9.836	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	514628	10.038	ppbv	97
23) Vinyl Acetate	5.15	43	1595943	10.340	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1141772	9.732	ppbv	98
25) Ethyl Acetate	5.76	43	1970664	9.584	ppbv	100
26) Hexane	5.78	57	872081	9.865	ppbv	99
27) Carbon Disulfide	4.62	76	1251915	10.323	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1482159	10.285	ppbv	100
29) Chloroform	5.85	83	1490709	9.155	ppbv	98
30) Cyclohexane	7.24	84	751980	10.118	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	888058	10.132	ppbv	99
32) 1,1,1-Trichloroethane	6.61	97	1532471	9.425	ppbv	100
34) 2-Butanone	5.33	43	1271150	9.955	ppbv	100
35) Carbon Tetrachloride	7.13	117	1648559	9.990	ppbv	99
36) Benzene	7.00	78	1771030	9.451	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1137370	9.409	ppbv	100
38) Trichloroethene	7.96	130	763947	10.986	ppbv	99
39) 1,2-Dichloropropane	7.73	63	690182	9.879	ppbv	97
40) 1,4-Dioxane	7.95	88	292254	10.000	ppbv #	96
41) Tetrahydrofuran	6.14	42	701449	9.804	ppbv	100
42) Bromodichloromethane	7.91	83	1690225	10.213	ppbv	98
43) Methyl Methacrylate	8.13	69	738420	10.707	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.99	57	3150732	9.948	ppbv	100
45) t-1,3-Dichloropropene	9.41	75	972758	11.126	ppbv	95
46) cis-1,3-Dichloropropene	8.83	75	1101839	10.763	ppbv	97
47) 1,1,2-Trichloroethane	9.61	97	763707	9.622	ppbv	98
48) Dibromochloromethane	10.45	129	1414199	10.283	ppbv	99
49) Bromoform	13.20	173	1302630	11.257	ppbv	99
50) 4-Methyl-2-Pentanone	8.86	43	1952102	9.939	ppbv	100
51) 2-Hexanone	10.26	43	1598016	10.425	ppbv #	99
52) Tetrachloroethene	11.37	164	690422	10.481	ppbv	99
53) Toluene	9.94	91	2127223	10.524	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1220232	10.074	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.27	131	957069	9.462	ppbv	95
57) Chlorobenzene	12.30	112	1647811	9.158	ppbv	98
58) Ethyl Benzene	12.86	91	3025505	10.452	ppbv	98
59) m/p-Xylene	13.15	91	5085825m	20.099	ppbv	
60) o-Xylene	13.85	91	2586419	10.140	ppbv	99
61) Styrene	13.68	104	1999744	11.644	ppbv	99
62) Isopropylbenzene	14.82	105	3369199	9.808	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	1811388	9.765	ppbv	100
64) n-propylbenzene	15.72	120	888501	9.999	ppbv	99
65) tert-Butylbenzene	16.90	119	3141706	10.017	ppbv	99
66) Benzyl Chloride	17.15	91	1577618	10.561	ppbv	100
67) sec-Butylbenzene	17.45	105	4438145	10.110	ppbv	100
69) p-Isopropyltoluene	17.81	119	3734574	10.293	ppbv	99
70) n-Butylbenzene	18.71	91	3953782	10.162	ppbv	100
71) 2-Chlorotoluene	15.61	91	2603009	10.214	ppbv	99
72) 4-Ethyltoluene	15.99	105	3023333	10.366	ppbv	100
73) 1,3,5-Trimethylbenzene	16.15	105	2867377	10.077	ppbv	98
74) 1,2,4-Trimethylbenzene	16.92	105	3026290	9.772	ppbv	99
75) 1,3-Dichlorobenzene	17.16	146	1766221	9.307	ppbv	100
76) 1,4-Dichlorobenzene	17.30	146	1747287	9.688	ppbv	100
77) 1,2-Dichlorobenzene	17.98	146	1711369	9.598	ppbv	100
78) Hexachloro-1,3-Butadiene	23.53	225	992698	7.363	ppbv	99
79) Naphthalene	22.41	128	2304343	8.011	ppbv	98
80) Naphthalene, 2-methyl-	25.11	142	662106	6.058	ppbv	97
81) 1,2,4-Trichlorobenzene	22.13	180	1359304	8.070	ppbv	99

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

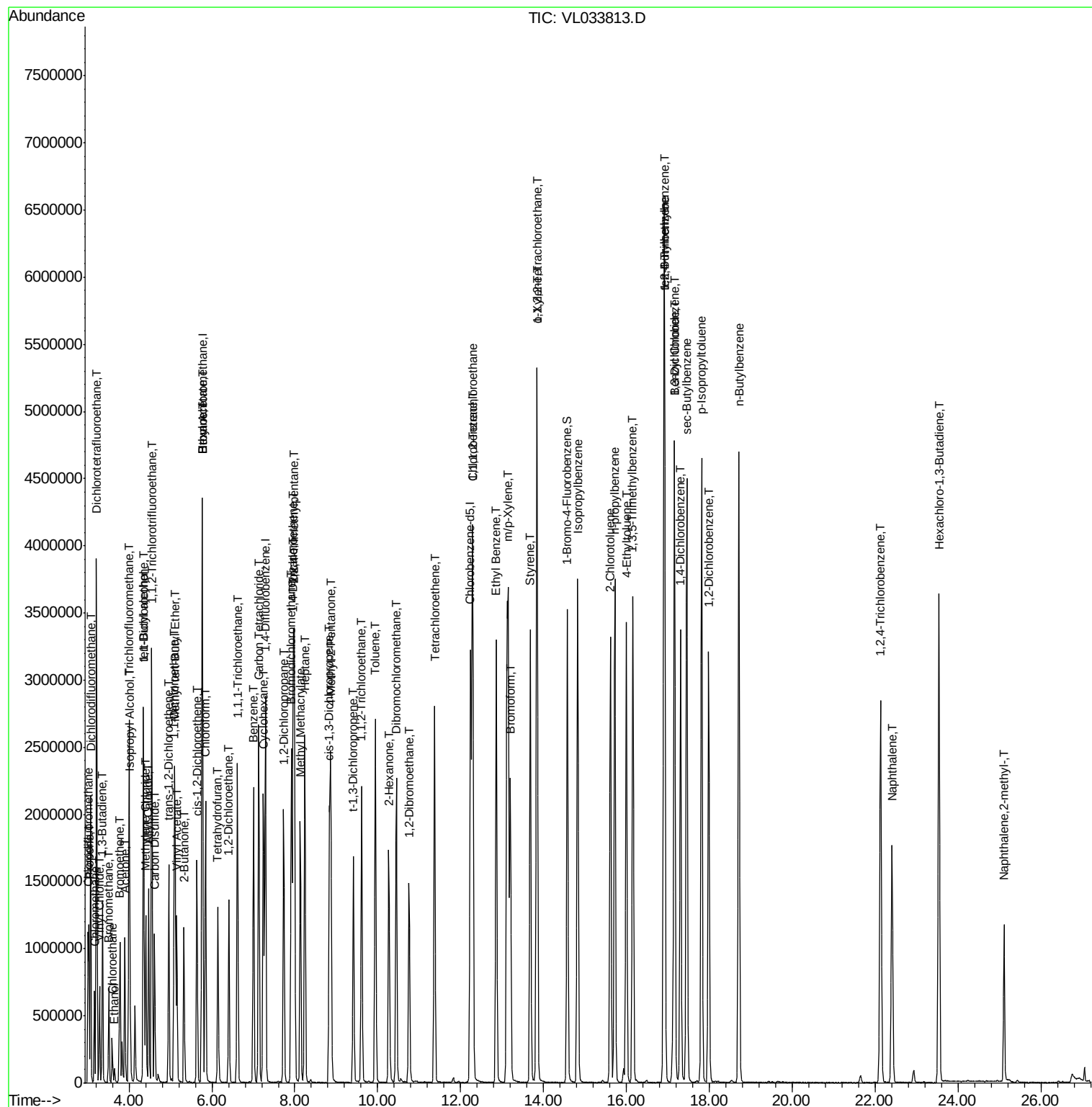
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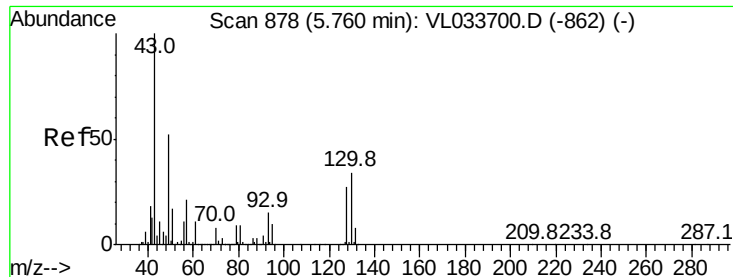
Instrument :
MSVOA_L
ClientSampled :
VL0528ABS02

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Instrument :

MSVOA_L

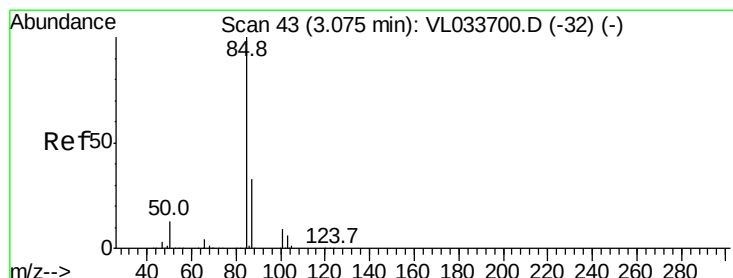
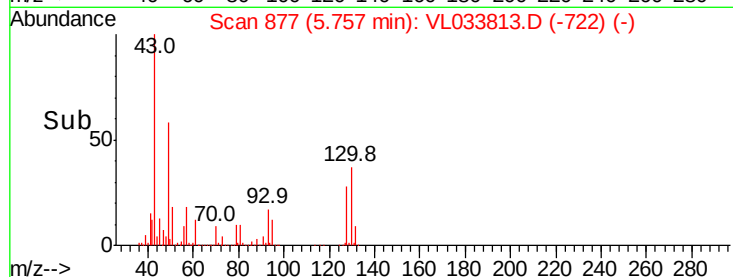
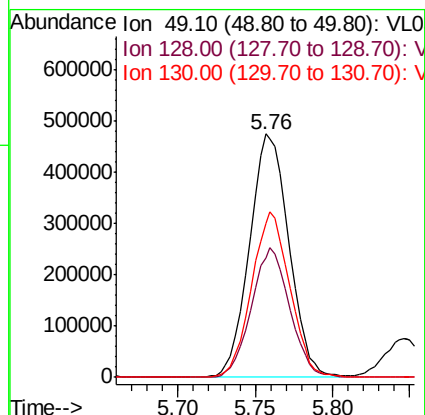
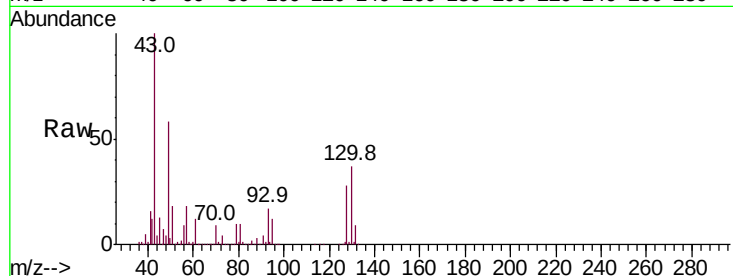
ClientSampleId :

VL0528ABS02

Tot Ion:	49	Resp:	843677
Ion	Ratio	Lower	Upper
49	100		
128	51.7	25.2	75.6
130	65.9	32.5	97.5

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#2

Dichlorodifluoromethane

Concen: 8.472 ppbv

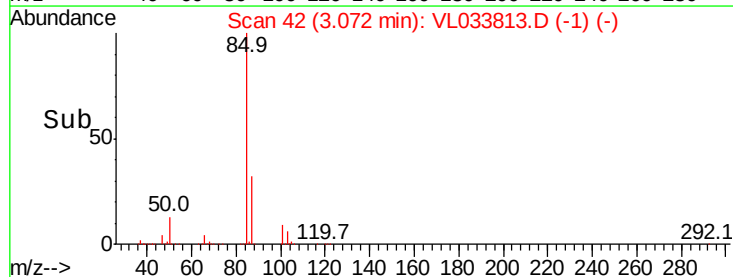
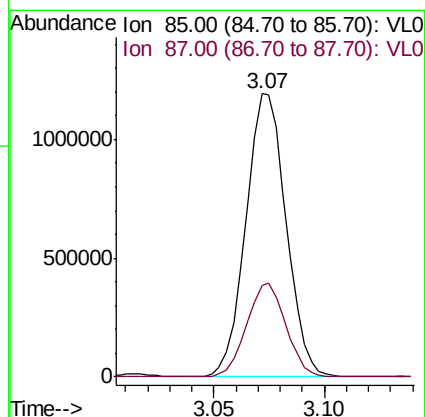
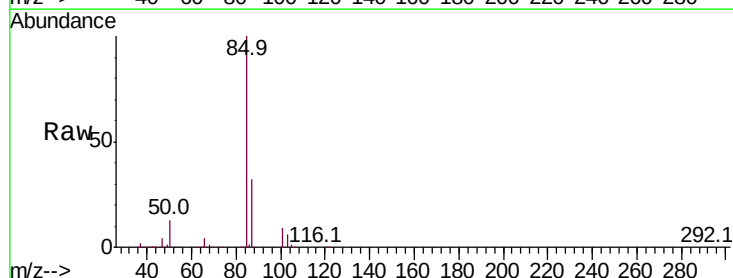
RT: 3.07 min Scan# 42

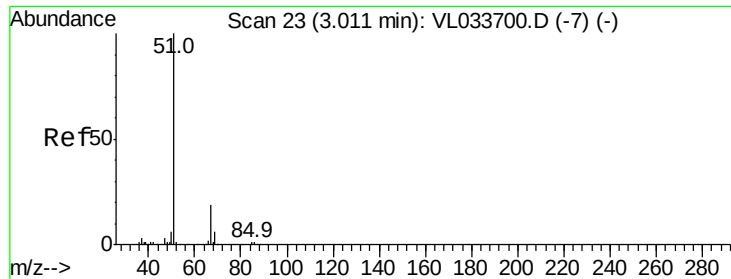
Delta R.T. -0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Tgt Ion:	85	Resp:	1506386
Ion	Ratio	Lower	Upper
85	100		
87	32.4	26.3	39.5





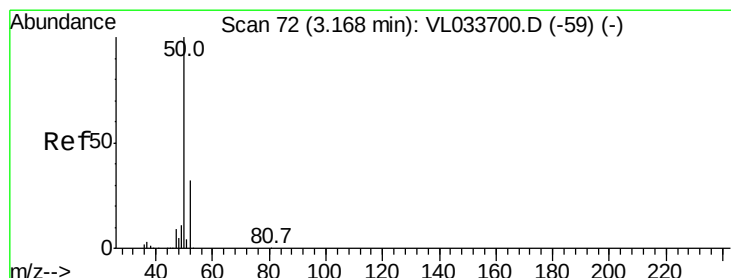
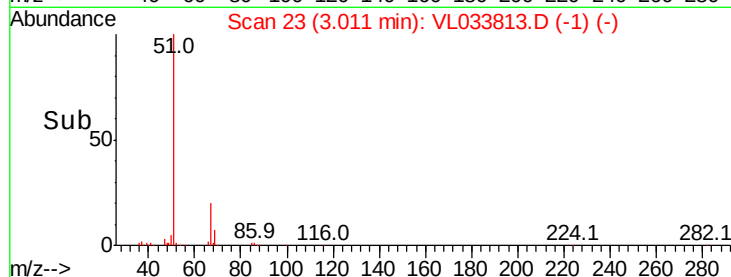
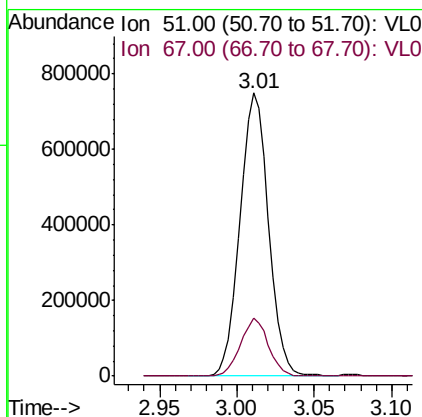
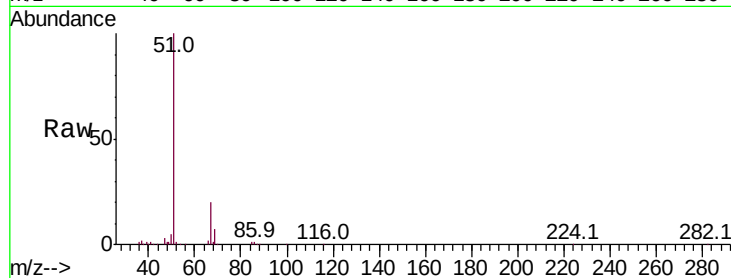
#3
Chlorodifluoromethane
Concen: 9.926 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tot Ion	Ratio	Lower	Upper
51	100		
67	20.0	15.6	23.4

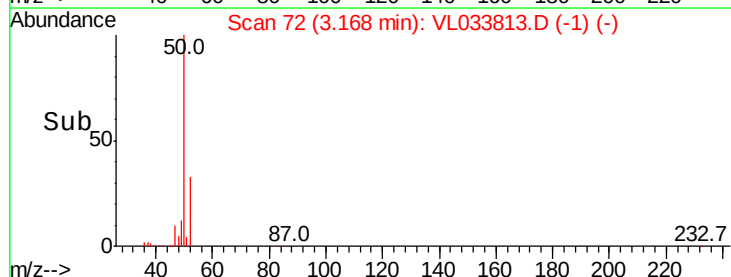
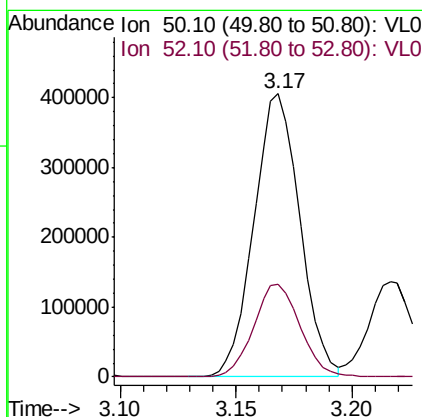
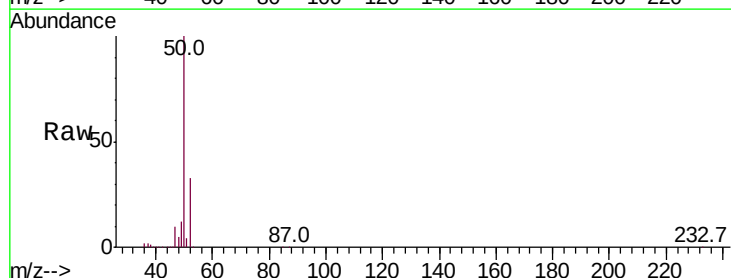
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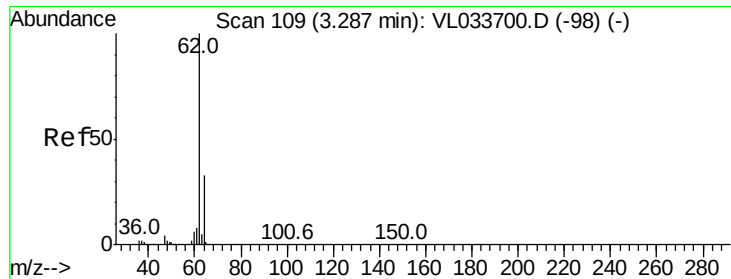
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#4
Chloromethane
Concen: 10.143 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion	Ratio	Lower	Upper
50	100		
52	32.6	25.7	38.5





#5

Vinyl Chloride

Concen: 9.873 ppbv

RT: 3.29 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS02

Tot Ion: 62 Resp: 555896

Ion Ratio Lower Upper

62 100

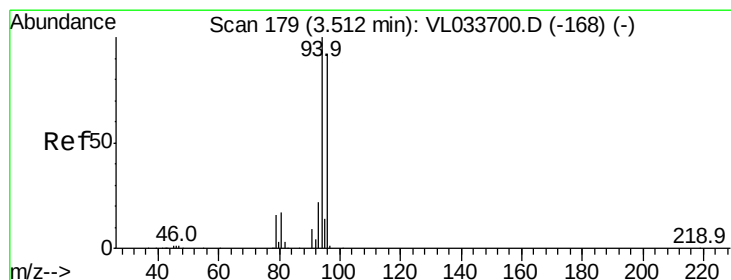
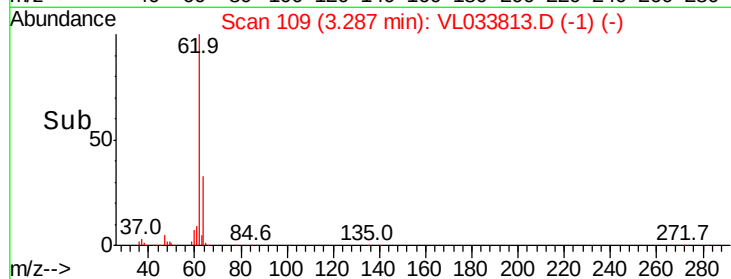
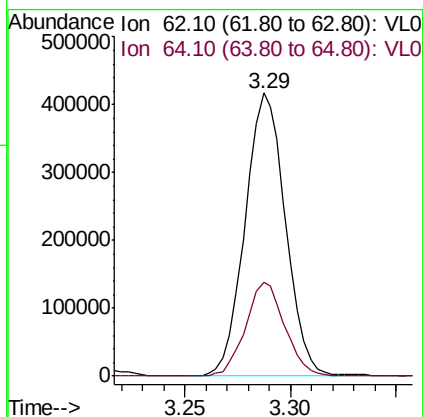
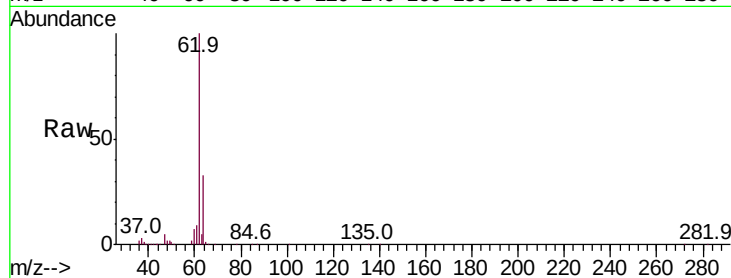
64 33.3 26.4 39.6

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#6

Bromomethane

Concen: 10.118 ppbv

RT: 3.51 min Scan# 179

Delta R.T. 0.00 min

Lab File: VL033813.D

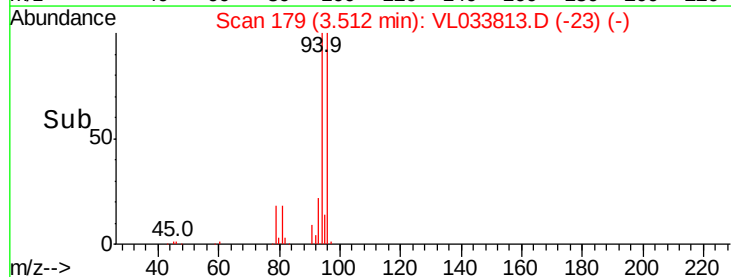
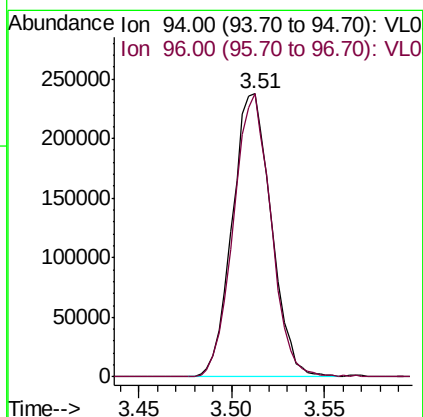
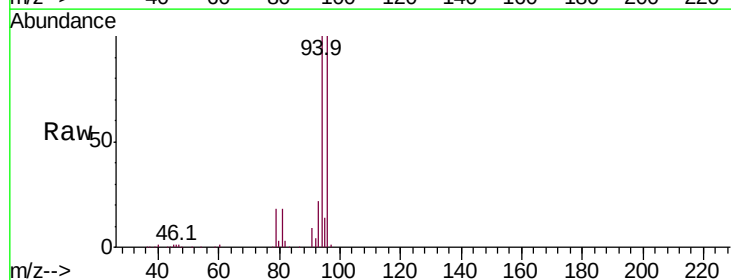
Acq: 28 May 2019 21:14

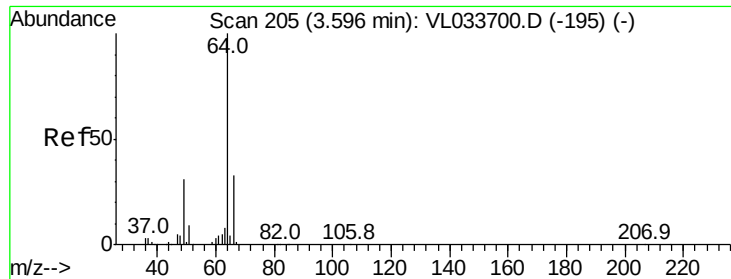
Tgt Ion: 94 Resp: 347626

Ion Ratio Lower Upper

94 100

96 99.8 73.6 110.4





#7

Chloroethane

Concen: 10.499 ppbv

RT: 3.60 min Scan# 205

Delta R.T. 0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

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MSVOA_L

ClientSampleId :

VL0528ABS02

Tot Ion: 64 Resp: 210090

Ion Ratio Lower Upper

64 100

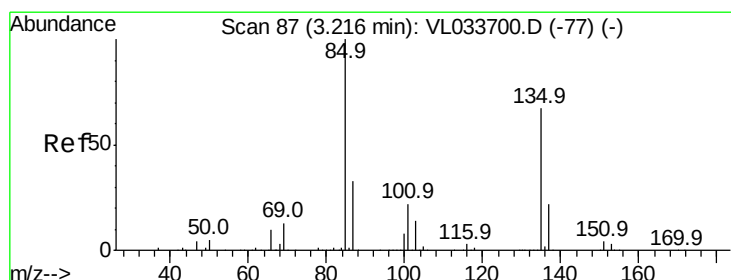
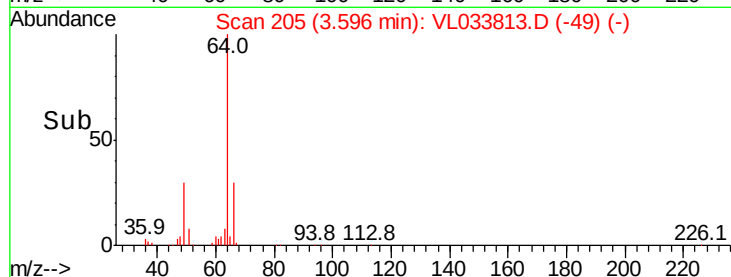
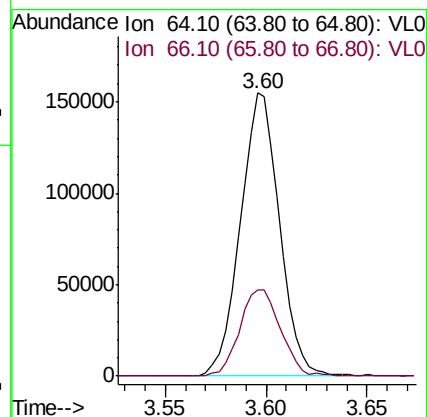
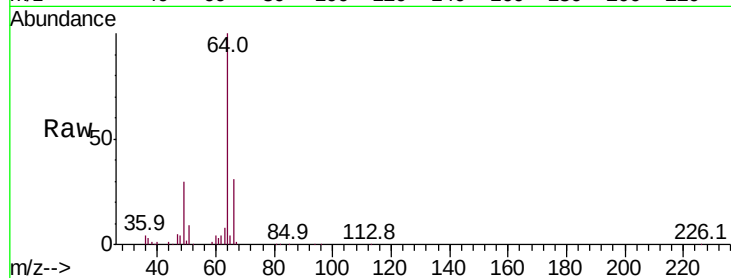
66 30.7 26.6 40.0

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#8

Dichlorotetrafluoroethane

Concen: 10.203 ppbv

RT: 3.22 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL033813.D

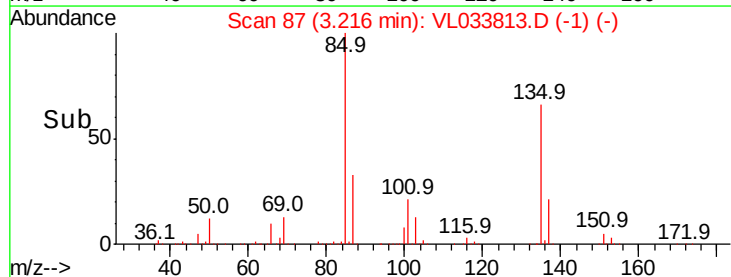
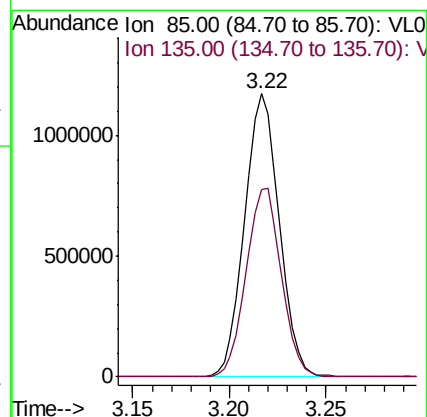
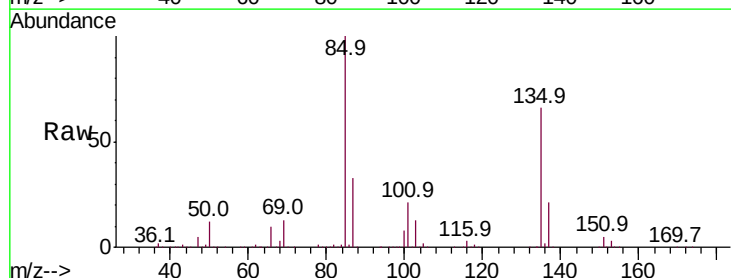
Acq: 28 May 2019 21:14

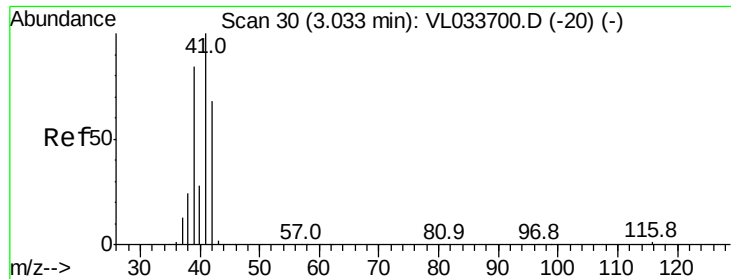
Tgt Ion: 85 Resp: 1462599

Ion Ratio Lower Upper

85 100

135 67.9 54.5 81.7





#9

Propene

Concen: 10.049 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS02

Tot Ion: 41 Resp: 413057

Ion Ratio Lower Upper

41 100

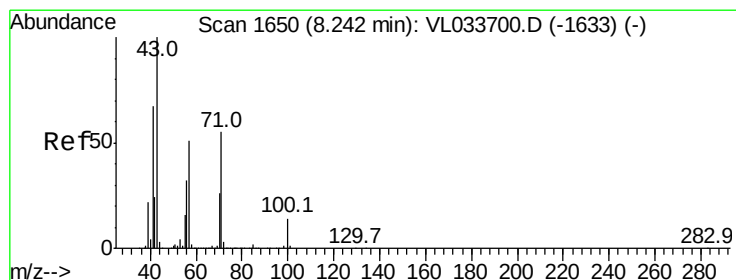
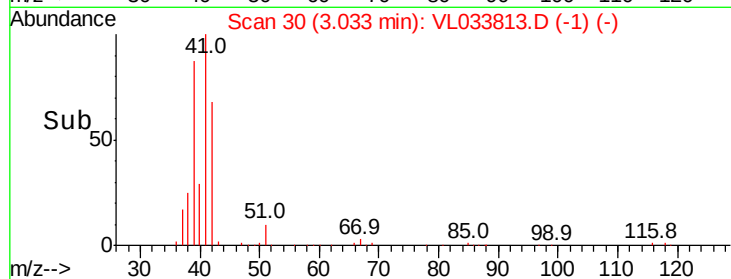
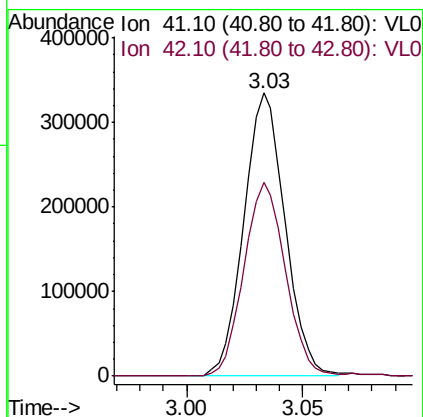
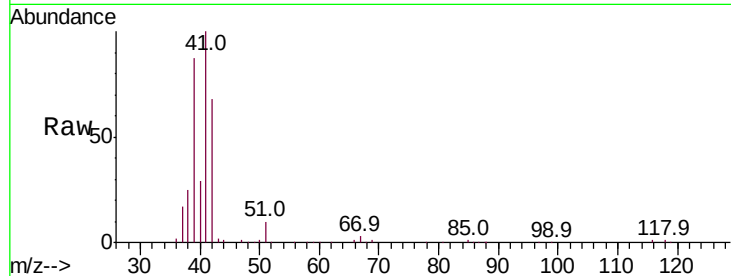
42 69.5 56.1 84.1

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#10

Heptane

Concen: 9.712 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VL033813.D

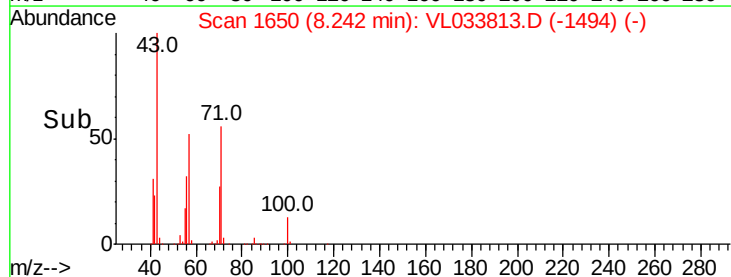
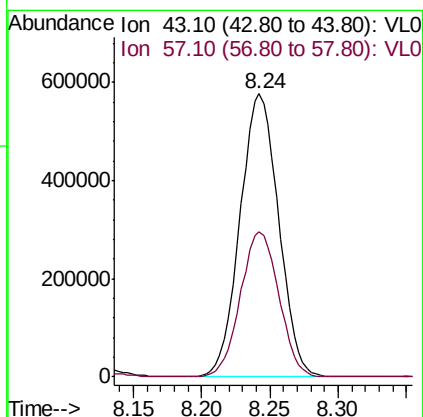
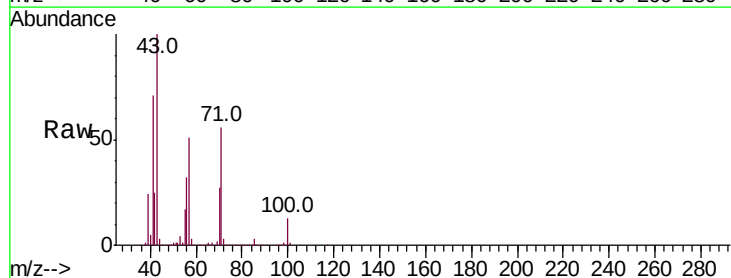
Acq: 28 May 2019 21:14

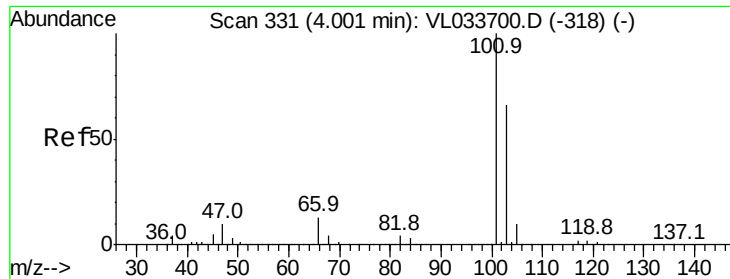
Tgt Ion: 43 Resp: 1130505

Ion Ratio Lower Upper

43 100

57 51.5 41.4 62.0





#11

Trichlorofluoromethane

Concen: 10.075 ppbv

RT: 4.00 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS02

Tot Ion:101 Resp: 1709650

Ion Ratio Lower Upper

101 100

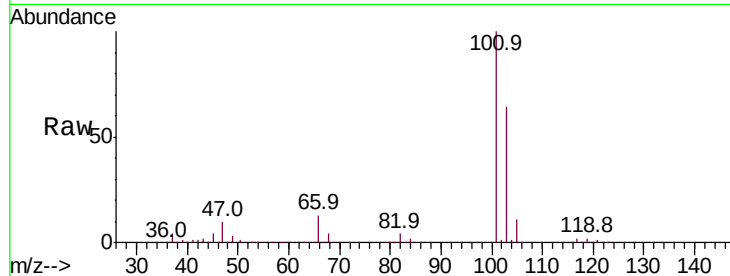
103 64.1 52.6 78.8

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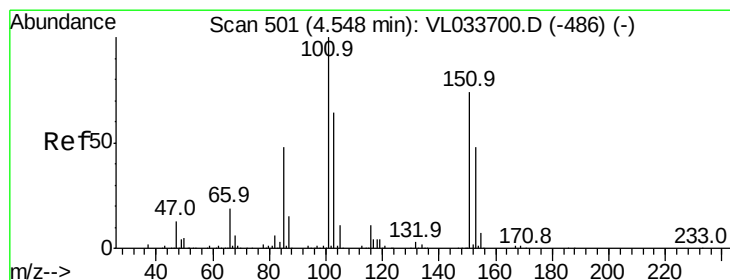
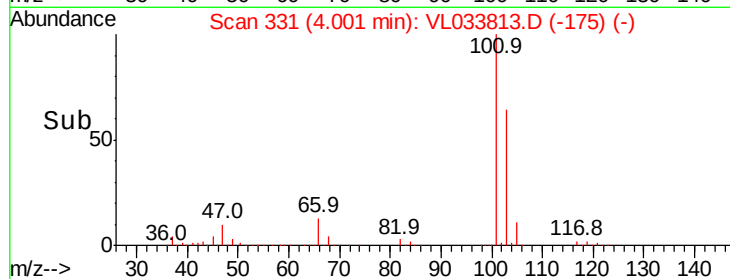
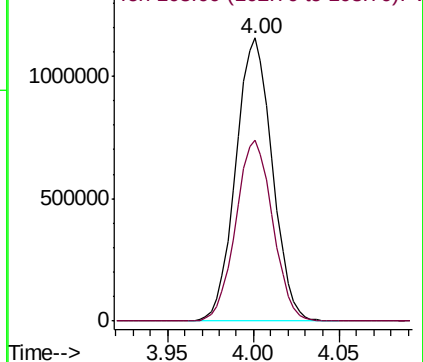
apatel

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.669 ppbv

RT: 4.55 min Scan# 501

Delta R.T. 0.00 min

Lab File: VL033813.D

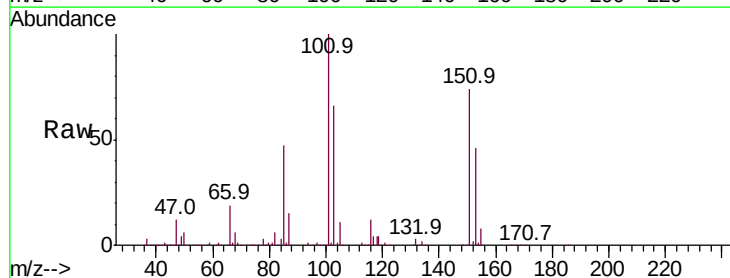
Acq: 28 May 2019 21:14

Tgt Ion:101 Resp: 1145794

Ion Ratio Lower Upper

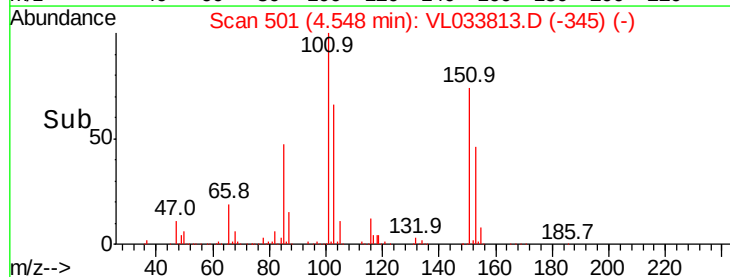
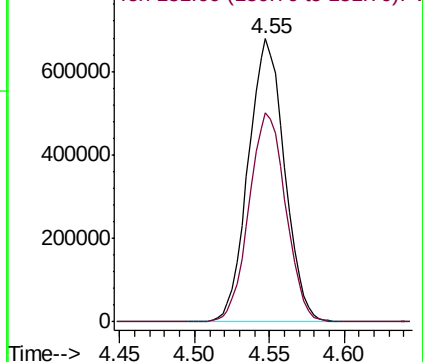
101 100

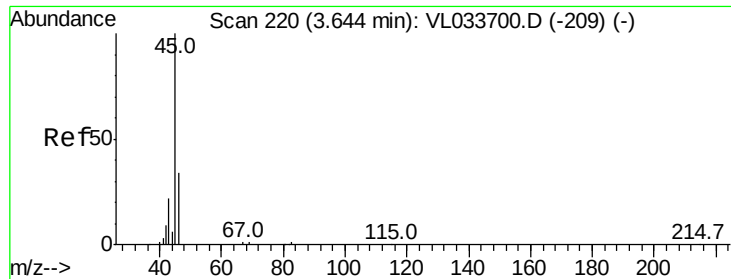
151 74.7 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





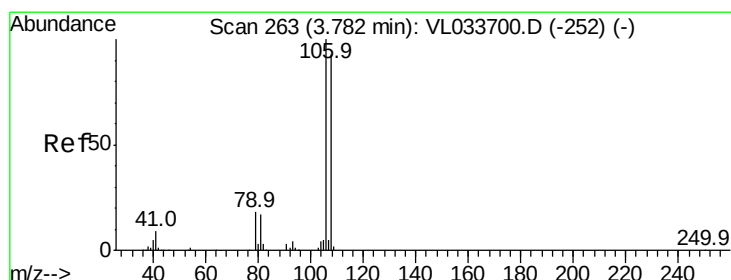
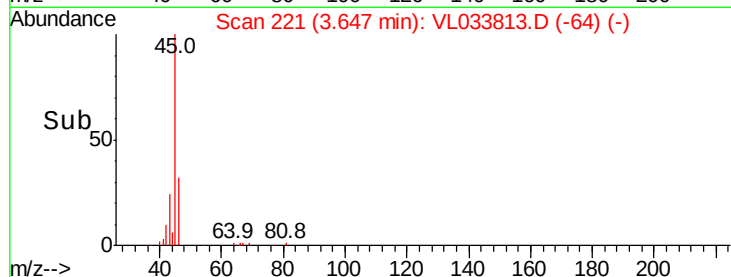
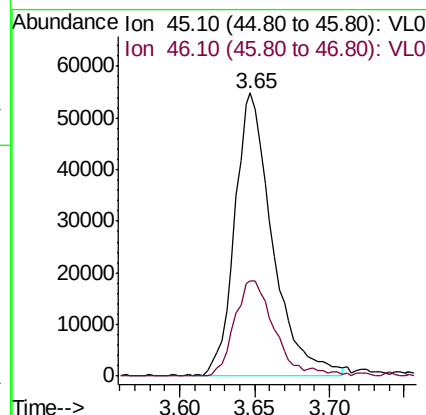
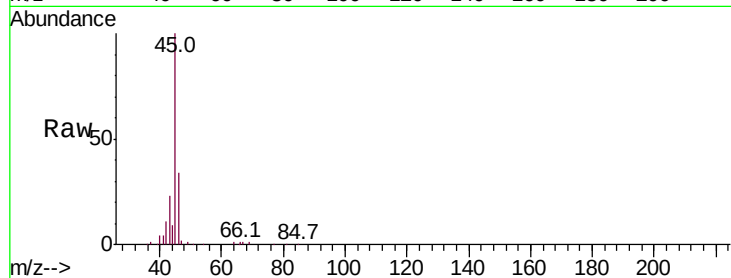
#13
Ethanol
Concen: 7.266 ppbv
RT: 3.65 min Scan# 221
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.5	14.8	59.0

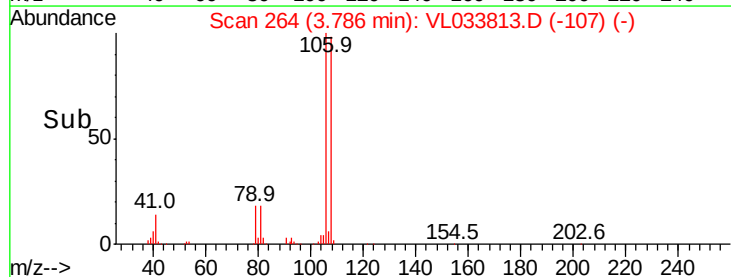
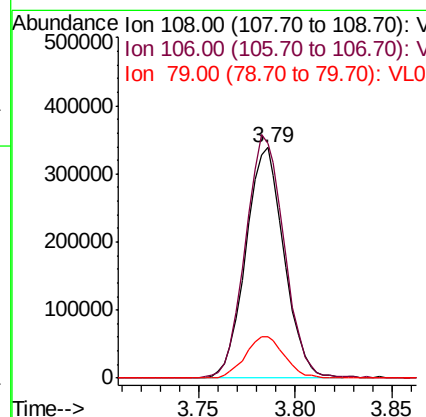
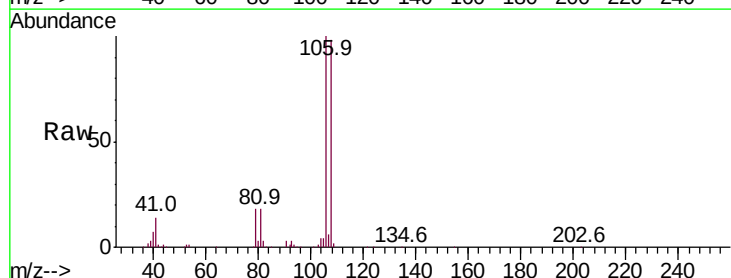
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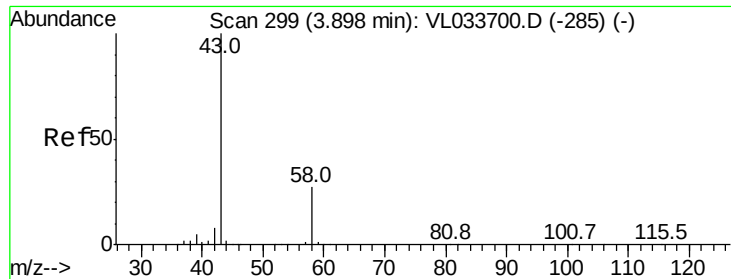
apatel
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#14
Bromoethene
Concen: 10.724 ppbv
RT: 3.79 min Scan# 264
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion	Ratio	Lower	Upper
108	100		
106	107.2	86.5	129.7
79	18.7	15.1	22.7





#15

Acetone

Concen: 8.927 ppbv

RT: 3.90 min Scan# 299

Delta R.T. 0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS02

Tot Ion: 43 Resp: 1044912

Ion Ratio Lower Upper

43 100

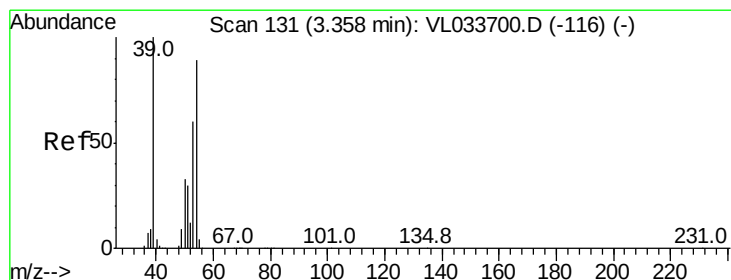
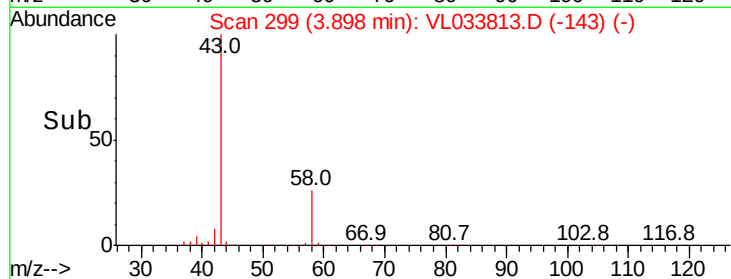
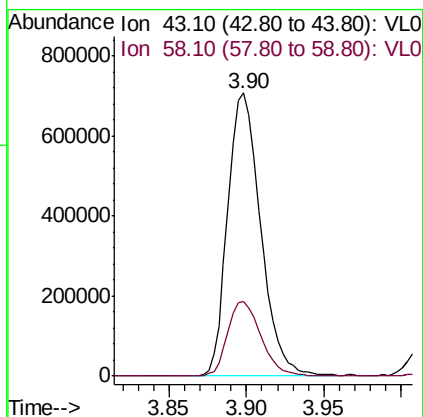
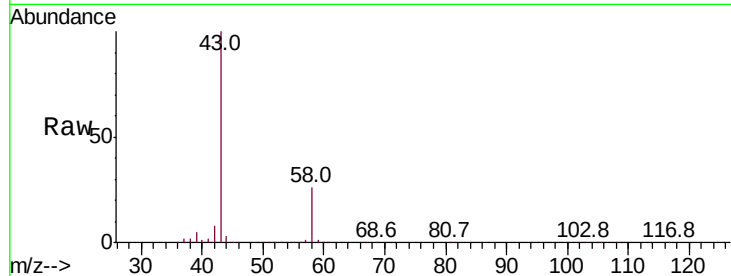
58 26.7 21.3 31.9

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#16

1,3-Butadiene

Concen: 10.769 ppbv

RT: 3.36 min Scan# 132

Delta R.T. 0.00 min

Lab File: VL033813.D

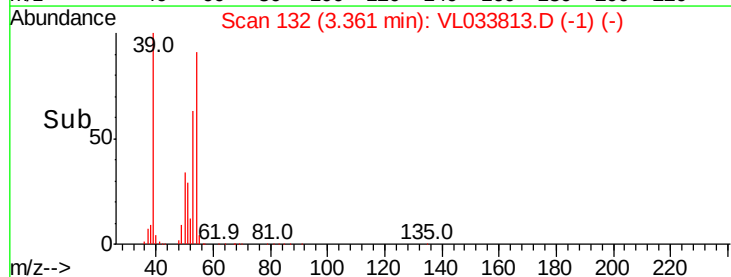
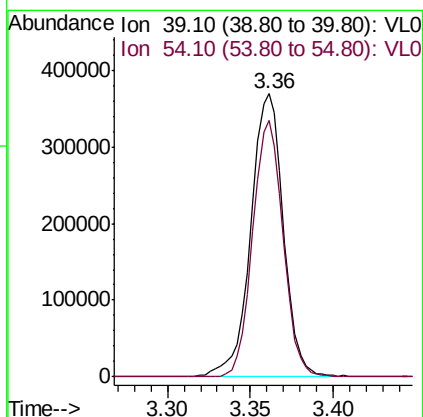
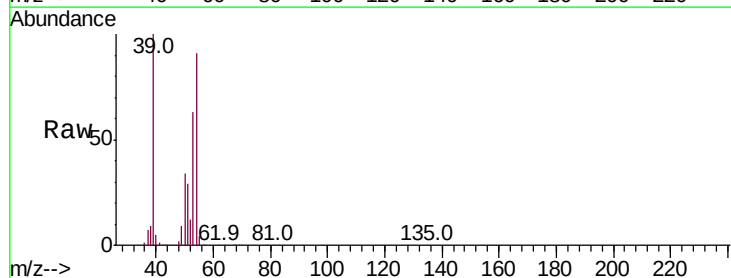
Acq: 28 May 2019 21:14

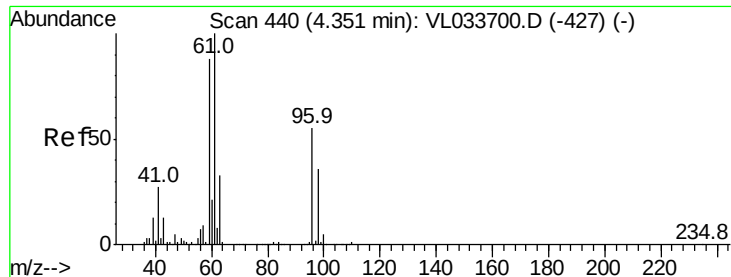
Tgt Ion: 39 Resp: 502011

Ion Ratio Lower Upper

39 100

54 85.3 69.0 103.6





#17

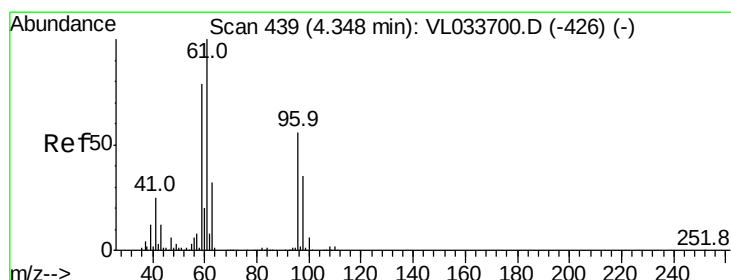
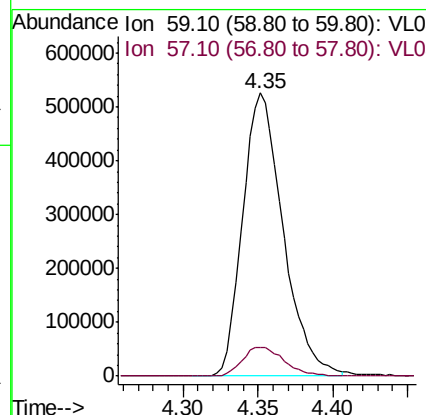
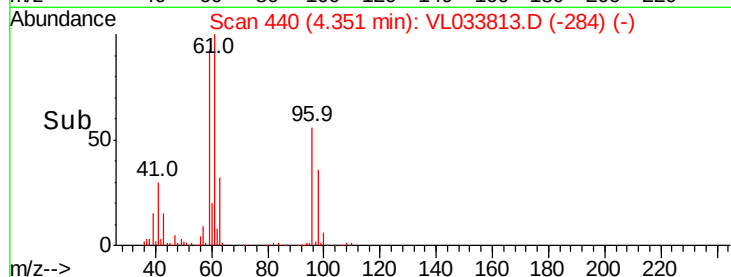
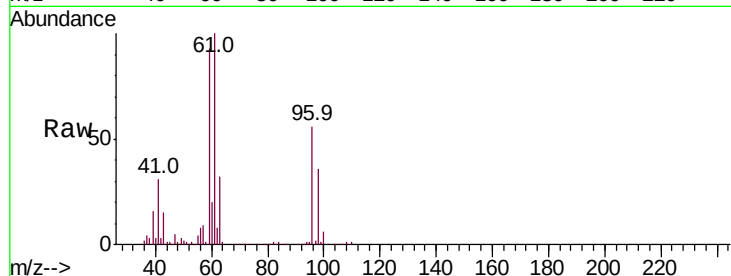
tert-Butyl alcohol
Concen: 10.453 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tot Ion	59	Ratio	100	Resp	989440
Ion	59	100		Lower	Upper
	57	10.7		8.4	12.6

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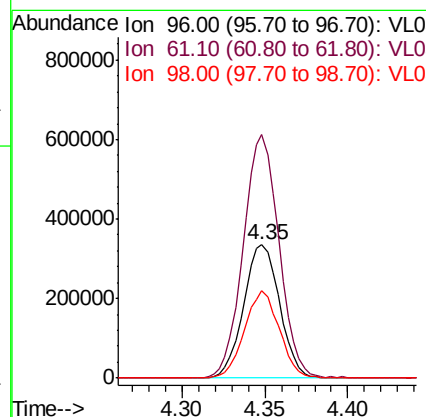
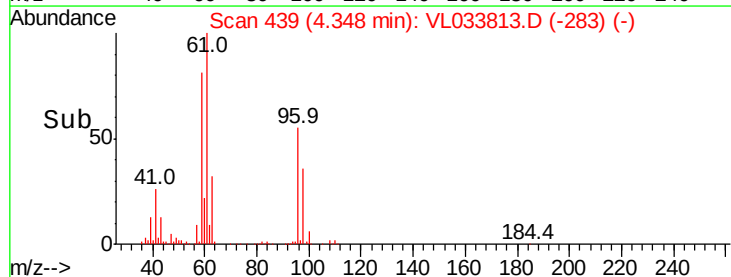
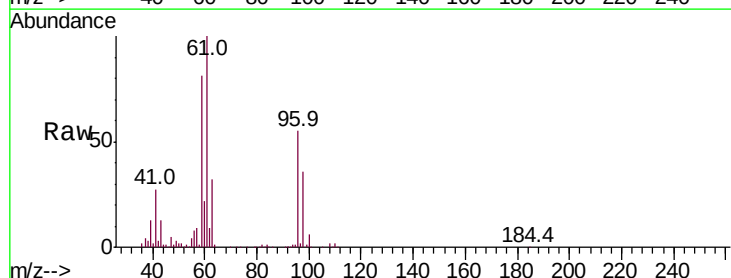
apatel
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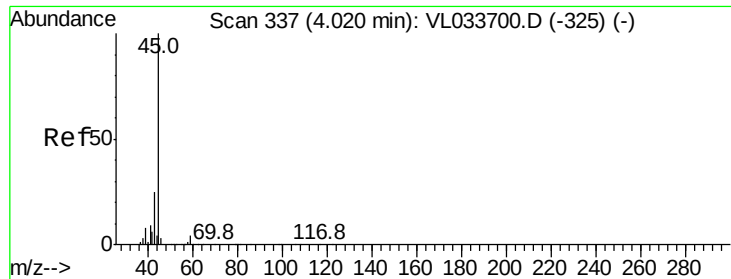


#18

1,1-Dichloroethene
Concen: 10.154 ppbv
RT: 4.35 min Scan# 439
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion	96	Ratio	100	Resp	507894
Ion	96	100		Lower	Upper
	61	182.5		143.1	214.7
	98	65.6		49.5	74.3





#19

Isopropyl Alcohol

Concen: 10.061 ppbv

RT: 4.02 min Scan# 337

Delta R.T. 0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS02

Tot Ion: 45 Resp: 759386

Ion Ratio Lower Upper

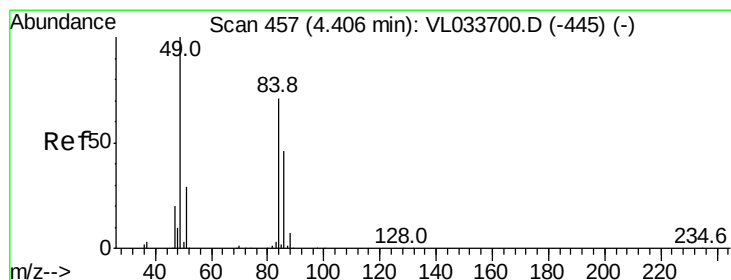
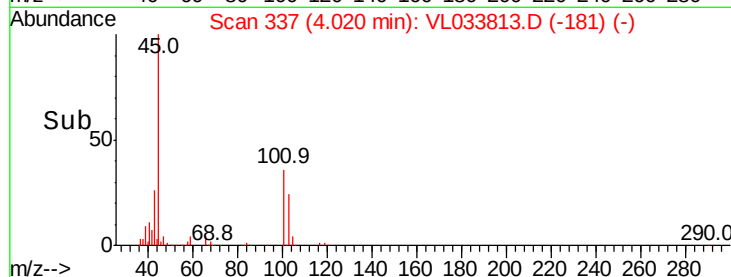
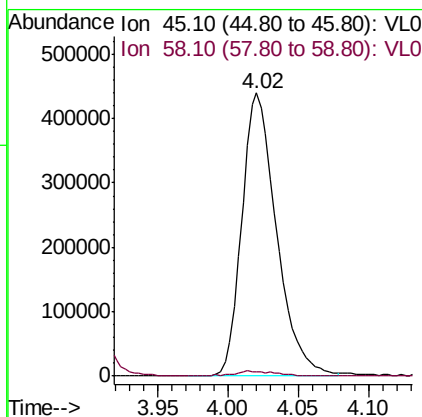
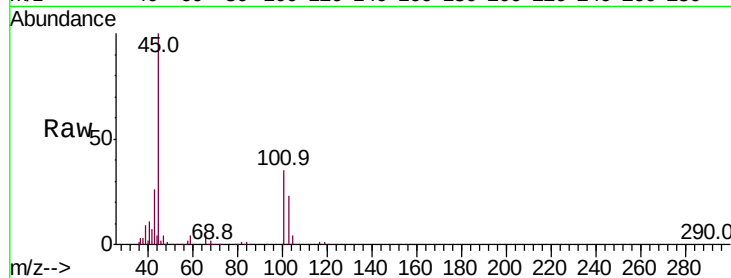
45 100

58 2.7 1.6 2.4#

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#20

Methylene Chloride

Concen: 9.409 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Tgt Ion: 84 Resp: 424054

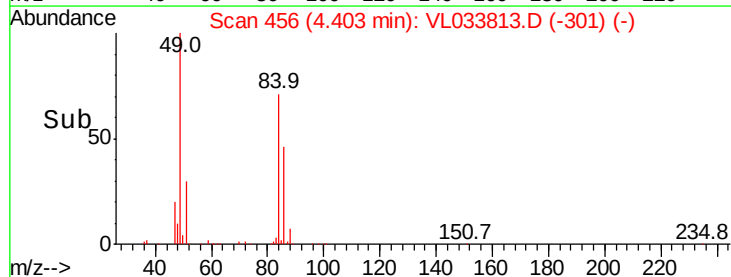
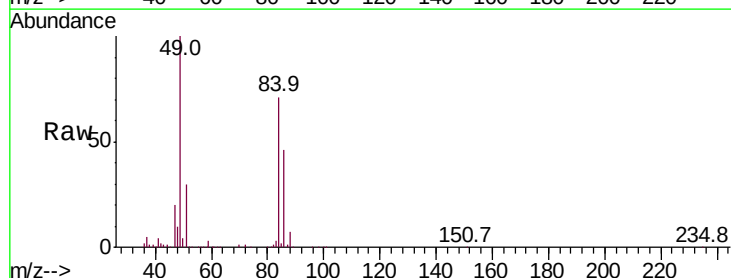
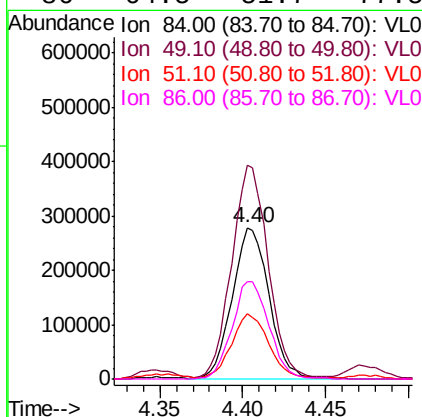
Ion Ratio Lower Upper

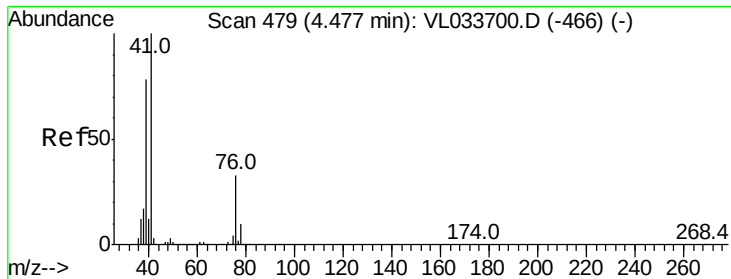
84 100

49 140.1 112.8 169.2

51 41.9 33.4 50.0

86 64.5 51.7 77.5





#21

Allvl Chloride

Concen: 9.836 ppbv

RT: 4.47 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Instrument :

MSVOA_L

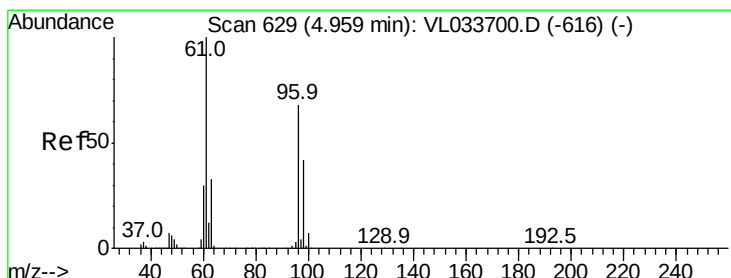
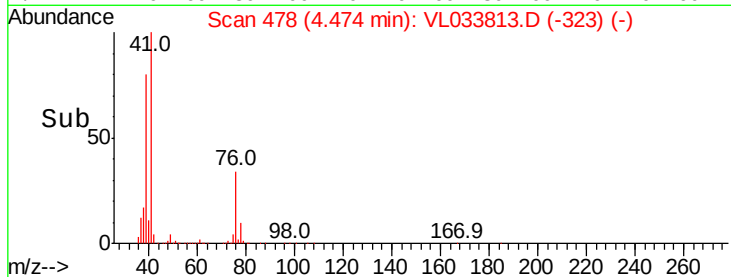
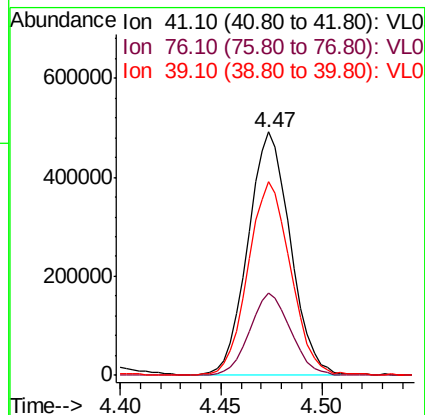
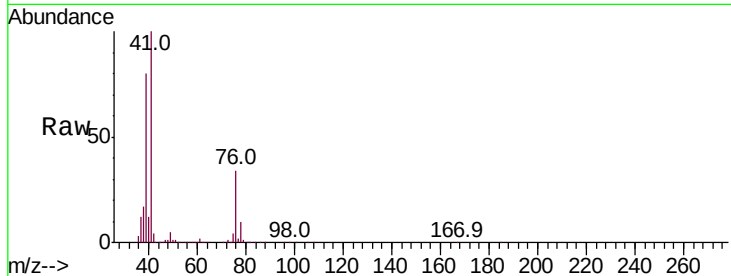
ClientSampleId :

VL0528ABS02

Tot Ion:	41	Resp:	718126
Ion Ratio	Lower	Upper	
41	100		
76	33.0	25.9	38.9
39	81.0	64.6	97.0

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#22

trans-1,2-Dichloroethene

Concen: 10.038 ppbv

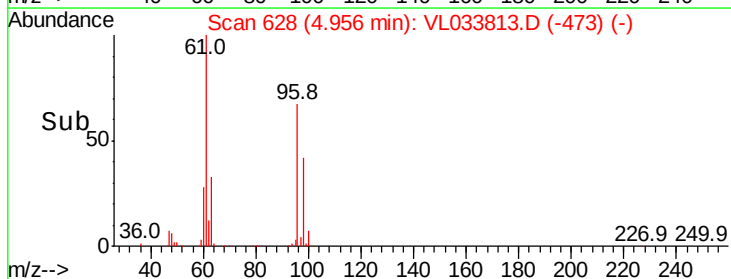
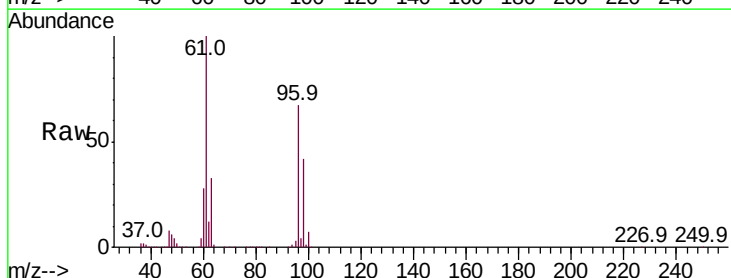
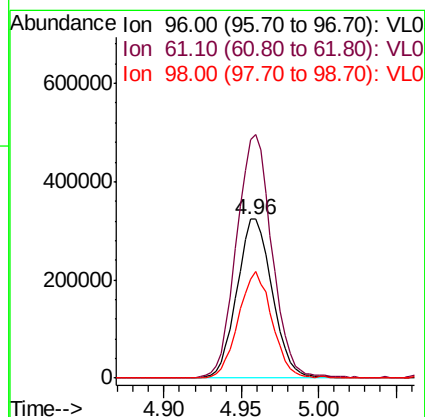
RT: 4.96 min Scan# 628

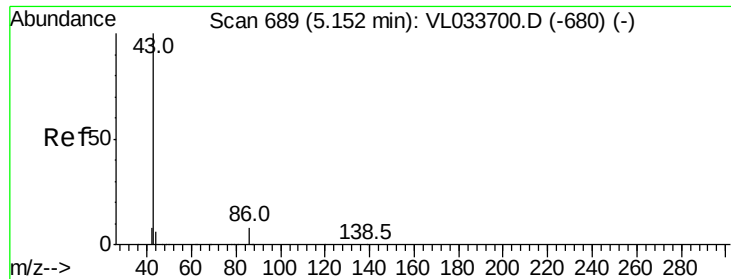
Delta R.T. -0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Tgt Ion:	96	Resp:	514628
Ion Ratio	Lower	Upper	
96	100		
61	150.1	116.8	175.2
98	62.4	49.4	74.0





#23

Vinyl Acetate

Concen: 10.340 ppbv

RT: 5.15 min Scan# 689

Delta R.T. 0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Instrument :

MSVOA_L

ClientSampled :

VL0528ABS02

Tot Ion: 43 Resp: 1595943

Ion Ratio Lower Upper

43 100

86 7.8 6.0 9.0

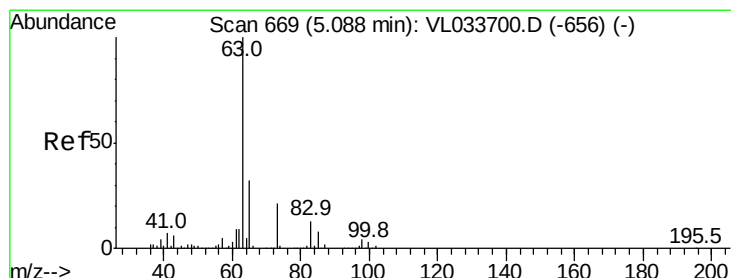
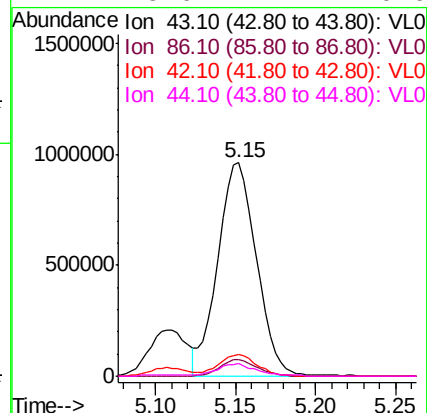
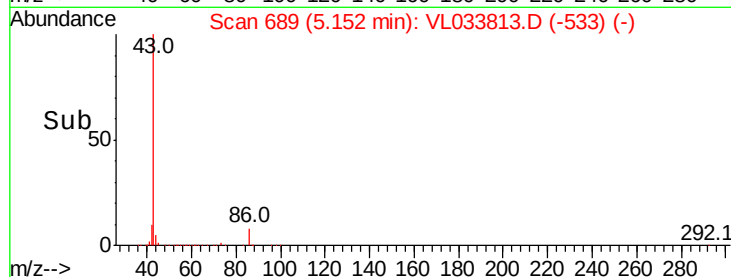
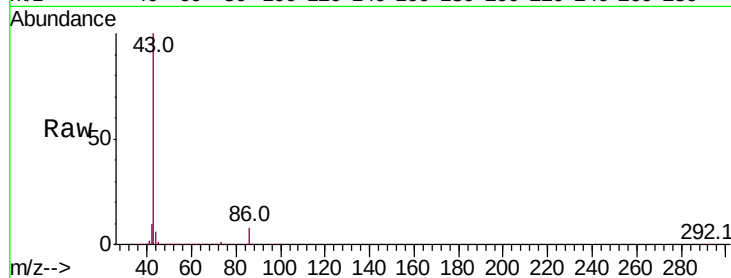
42 9.9 7.5 11.3

44 5.6 4.4 6.6

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#24

1,1-Dichloroethane

Concen: 9.732 ppbv

RT: 5.09 min Scan# 669

Delta R.T. 0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

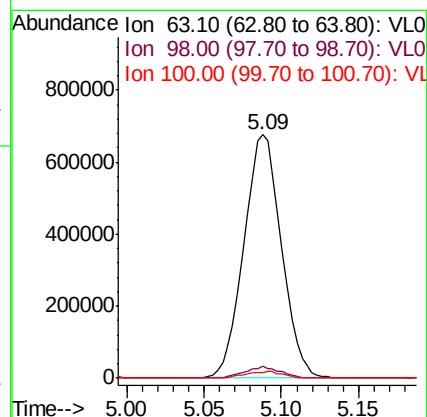
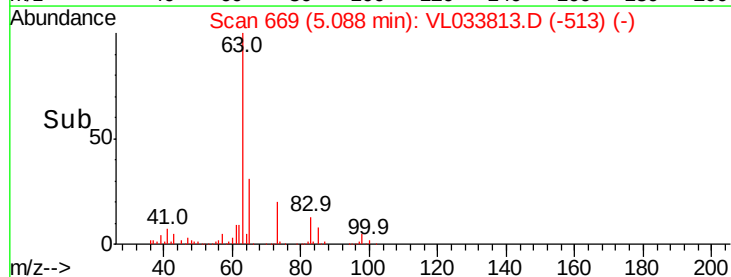
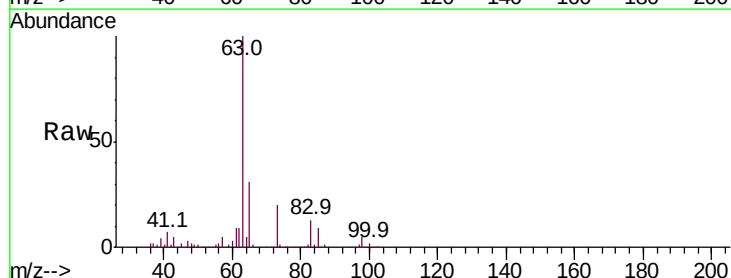
Tgt Ion: 63 Resp: 1141772

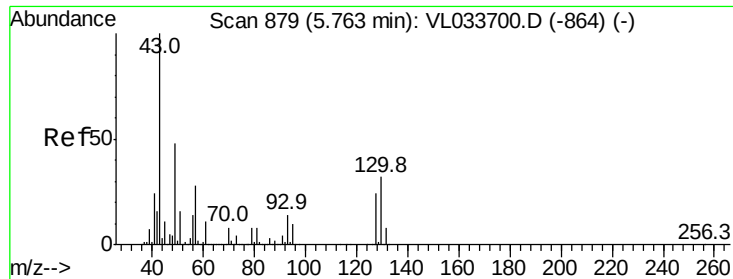
Ion Ratio Lower Upper

63 100

98 4.8 1.8 5.5

100 2.3 1.4 4.2





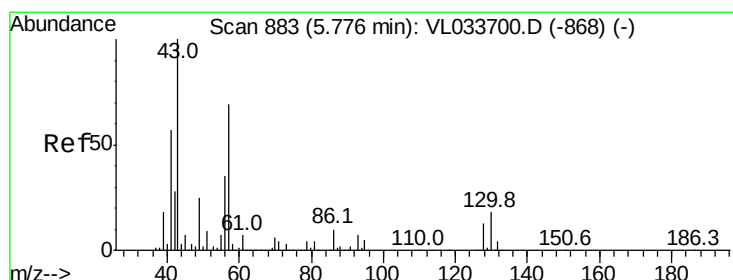
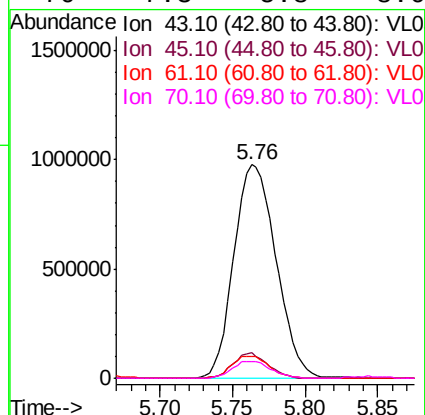
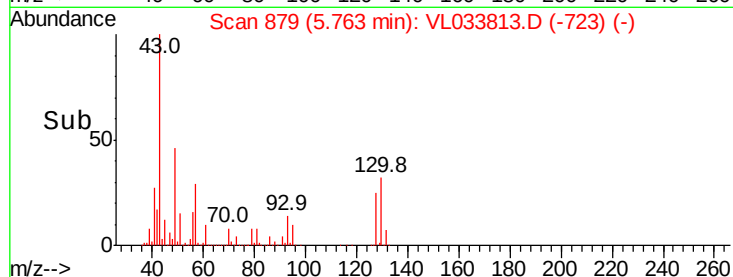
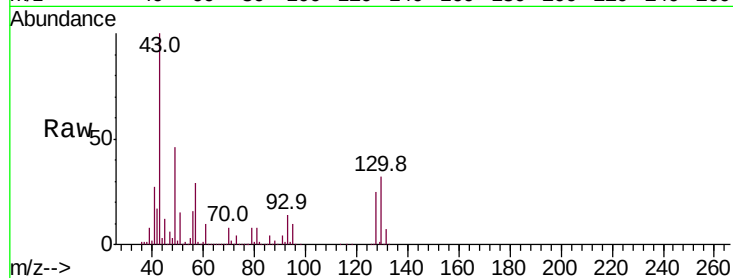
#25
Ethyl Acetate
Concen: 9.584 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.3	7.7	11.5
70	7.3	5.8	8.6

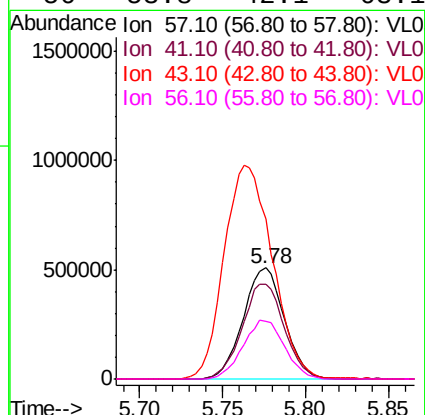
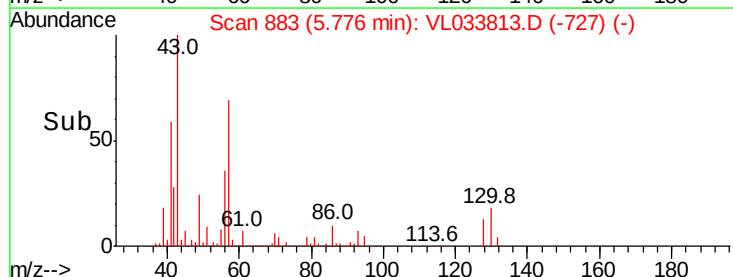
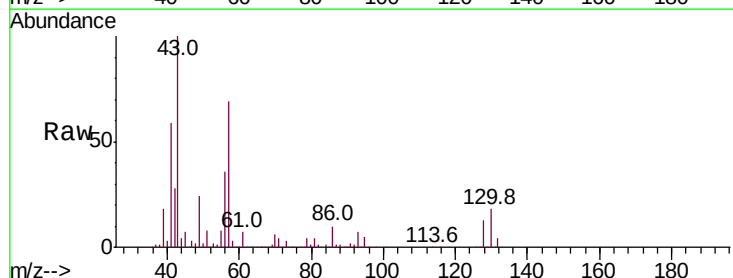
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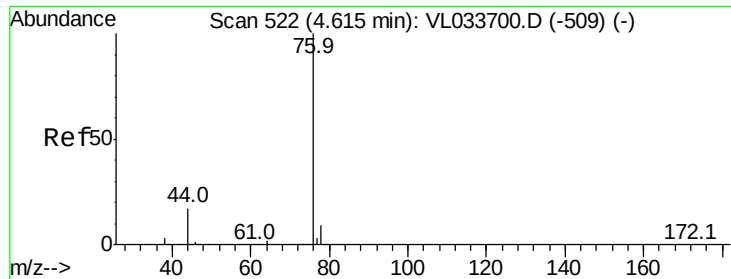
apatel
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#26
Hexane
Concen: 9.865 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion	Ratio	Lower	Upper
57	100		
41	88.3	69.8	104.6
43	227.1	181.8	272.6
56	53.8	42.1	63.1





#27

Carbon Disulfide

Concen: 10.323 ppbv

RT: 4.62 min Scan# 522

Delta R.T. 0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS02

Tot Ion: 76 Resp: 1251915

Ion Ratio Lower Upper

76 100

44 17.6 13.8 20.8

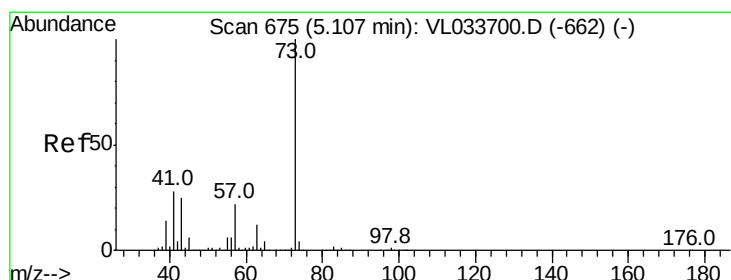
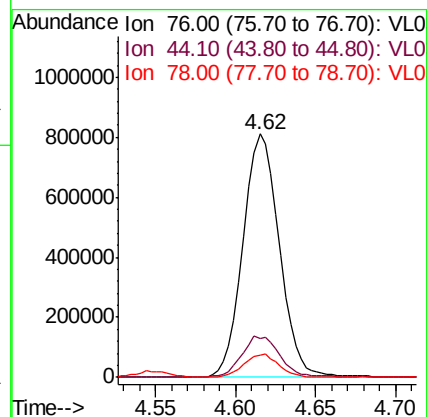
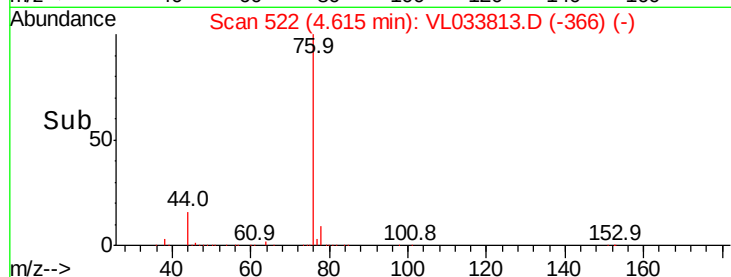
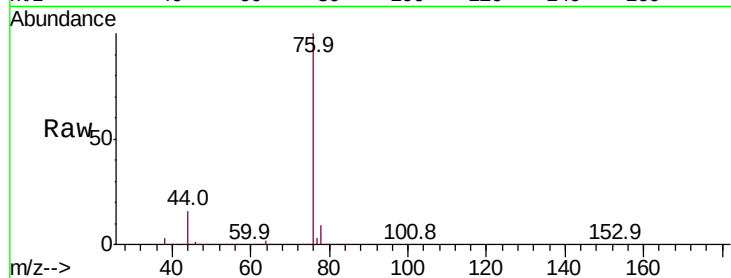
78 9.5 7.4 11.0

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#28

Methyl tert-Butyl Ether

Concen: 10.285 ppbv

RT: 5.11 min Scan# 676

Delta R.T. 0.00 min

Lab File: VL033813.D

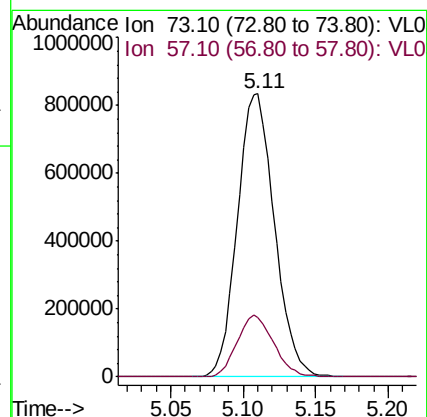
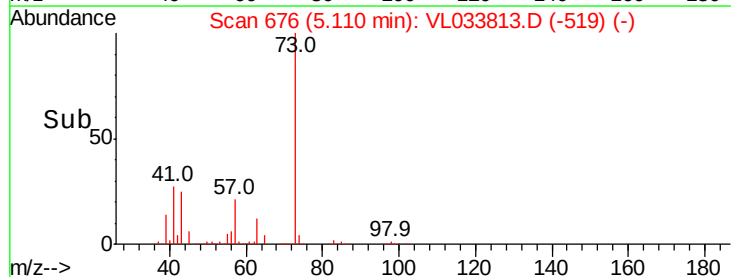
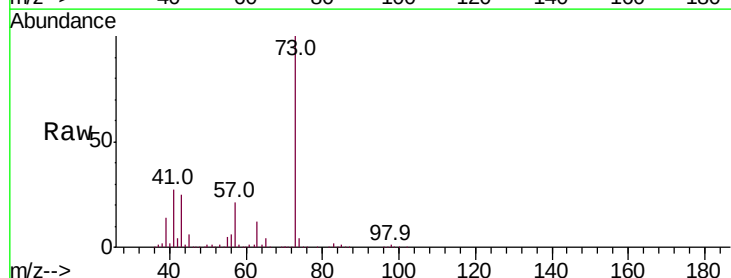
Acq: 28 May 2019 21:14

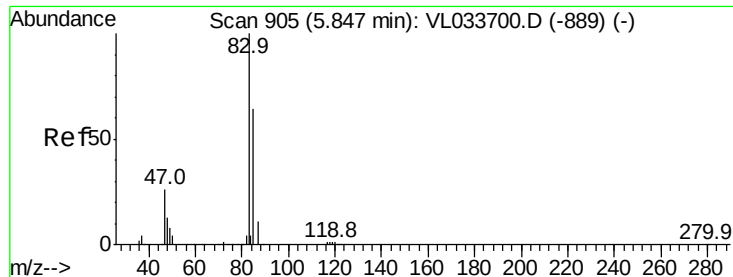
Tgt Ion: 73 Resp: 1482159

Ion Ratio Lower Upper

73 100

57 21.6 17.4 26.2





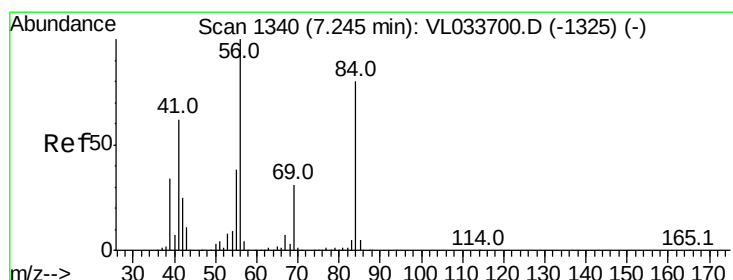
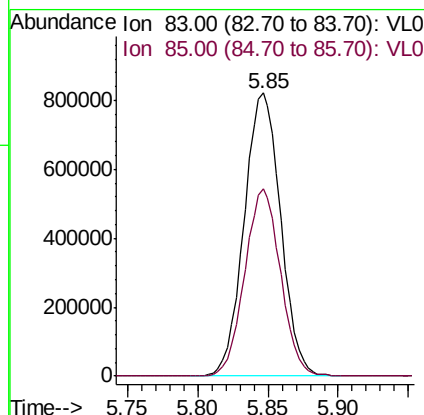
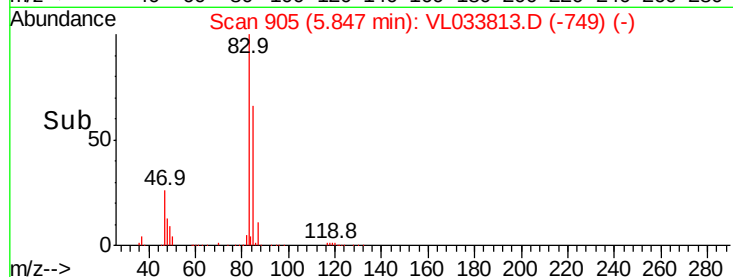
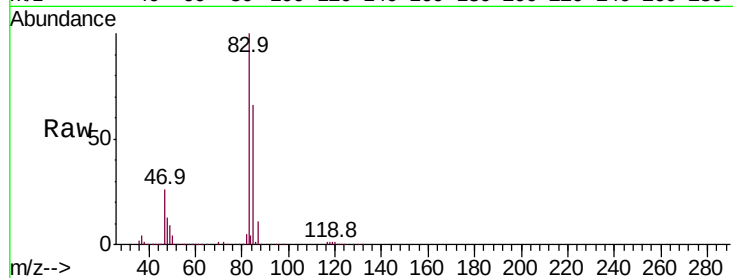
#29
Chloroform
Concen: 9.155 ppbv
RT: 5.85 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tot Ion: 83 Resp: 1490709
Ion Ratio Lower Upper
83 100
85 66.2 51.5 77.3

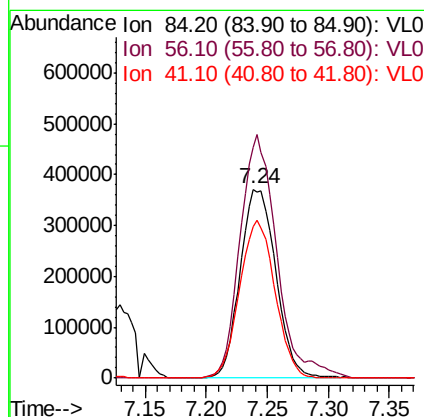
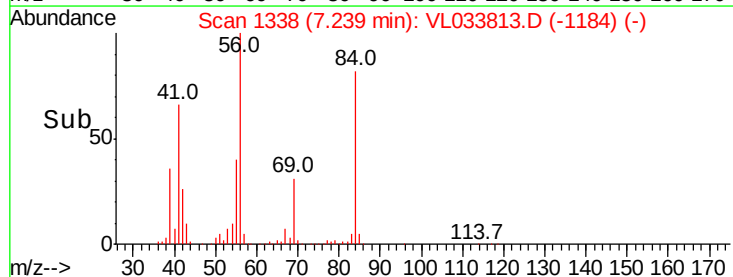
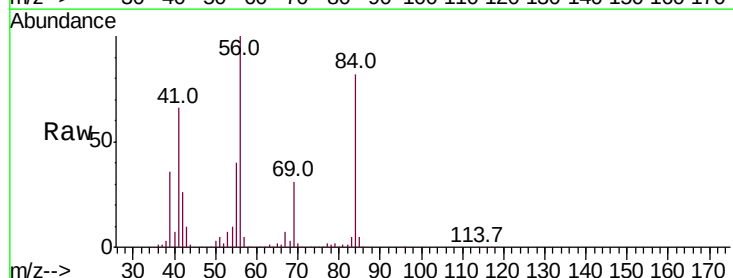
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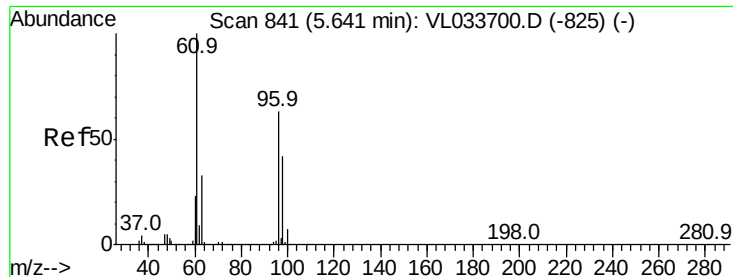
apatel
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#30
Cyclohexane
Concen: 10.118 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion: 84 Resp: 751980
Ion Ratio Lower Upper
84 100
56 132.6 107.7 161.5
41 82.9 66.0 99.0





#31

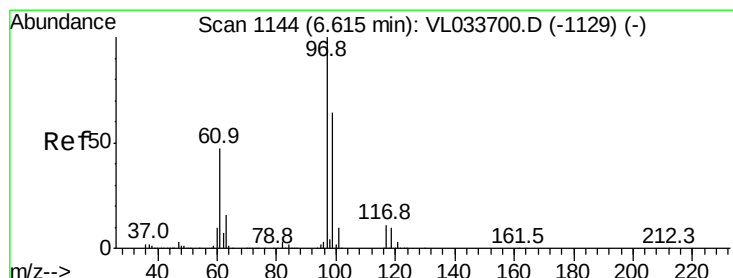
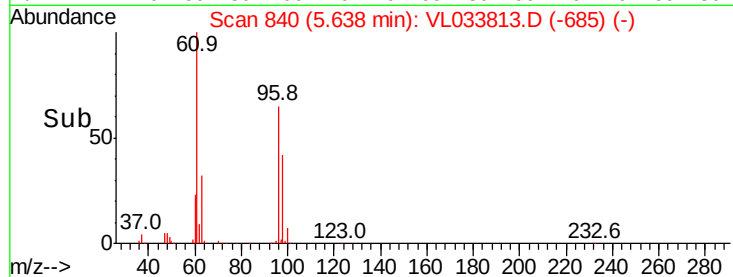
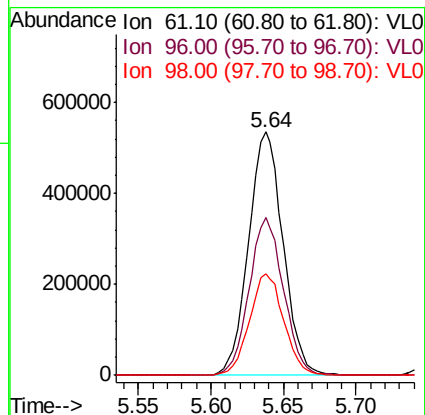
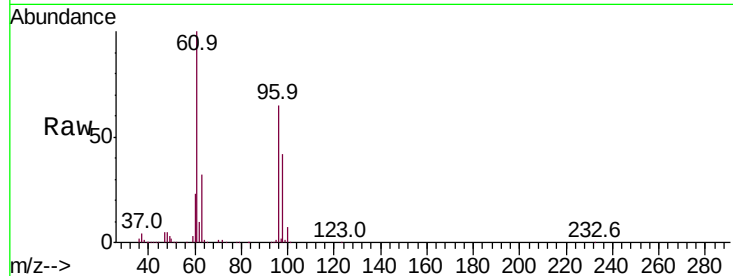
cis-1,2-Dichloroethene
Concen: 10.132 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tot Ion	Ratio	Resp	Lower	Upper
61	100	888058		
96	64.7		50.8	76.2
98	41.7		33.3	49.9

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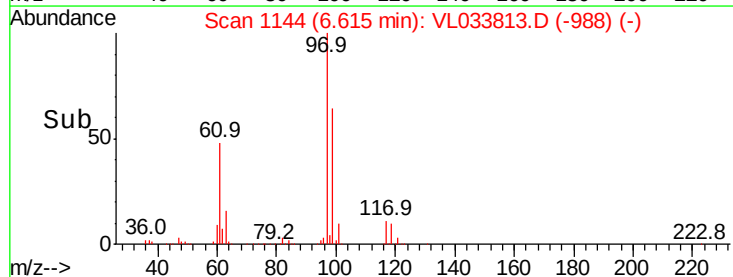
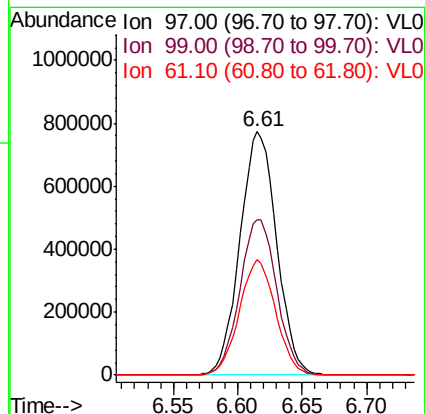
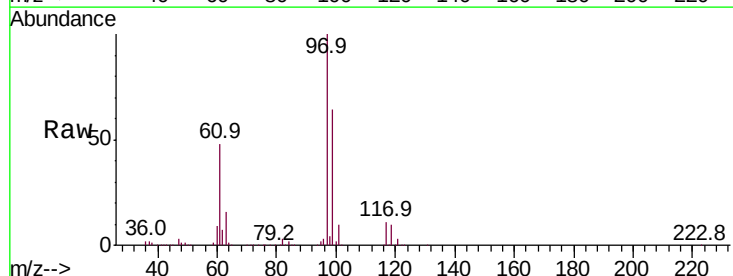
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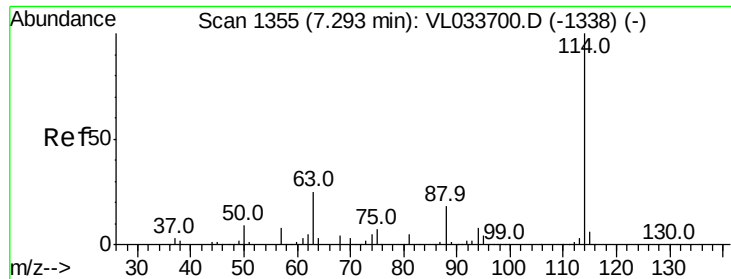


#32

1,1,1-Trichloroethane
Concen: 9.425 ppbv
RT: 6.61 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	1532471		
99	64.7		51.5	77.3
61	47.1		37.8	56.8





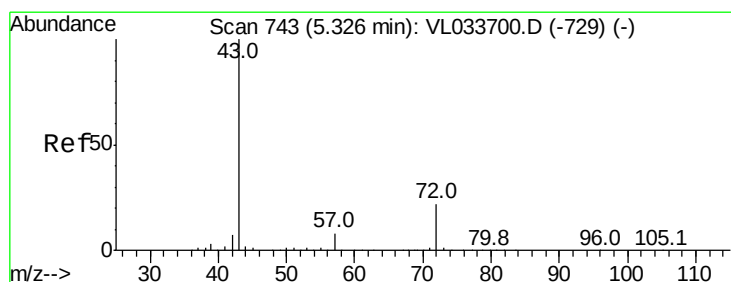
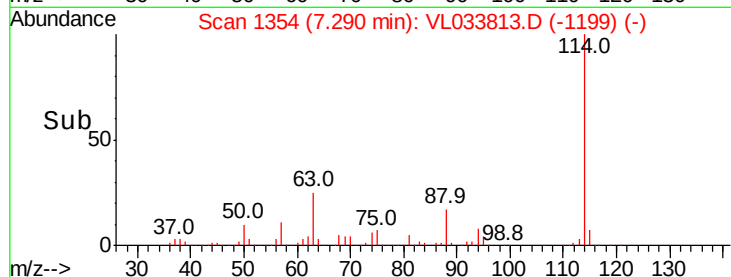
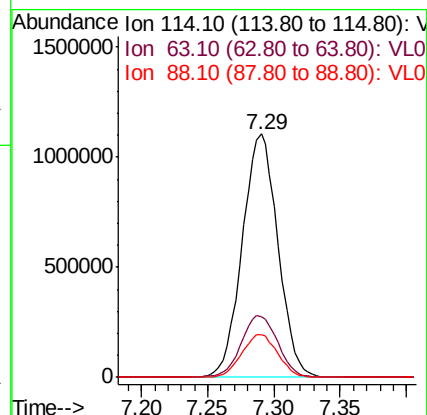
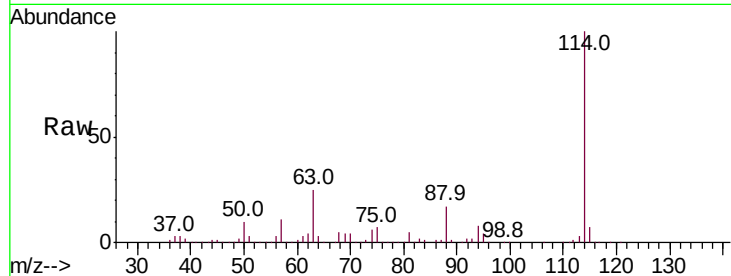
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VL033813.D
 Acq: 28 May 2019 21:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS02

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.4	20.9	31.3
88	18.0	14.3	21.5

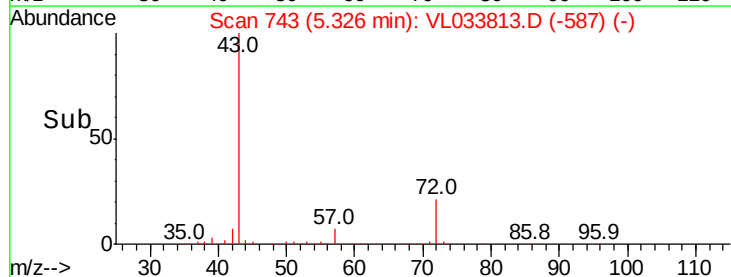
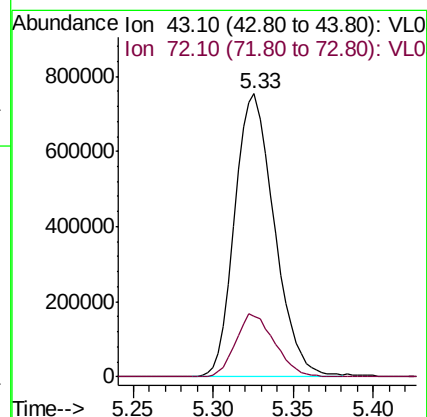
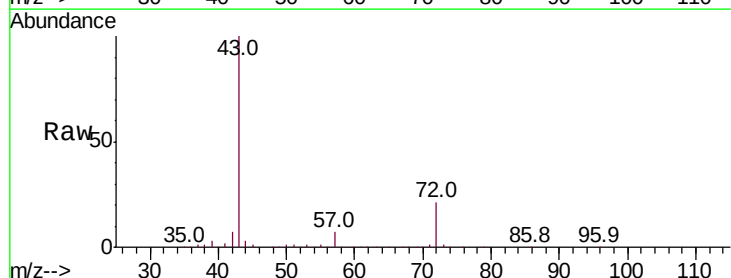
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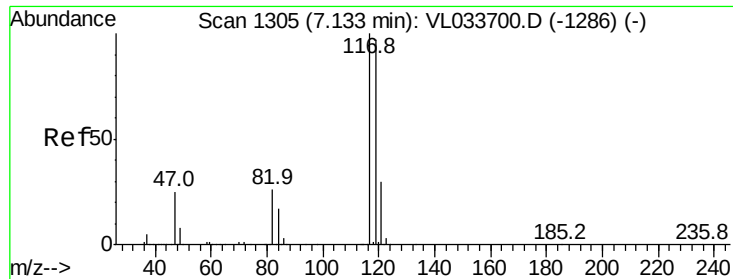
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#34
 2-Butanone
 Concen: 9.955 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. 0.00 min
 Lab File: VL033813.D
 Acq: 28 May 2019 21:14

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.1	17.8	26.6





#35

Carbon Tetrachloride

Concen: 9.990 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS02

Tot Ion:117 Resp: 1648559

Ion Ratio Lower Upper

117 100

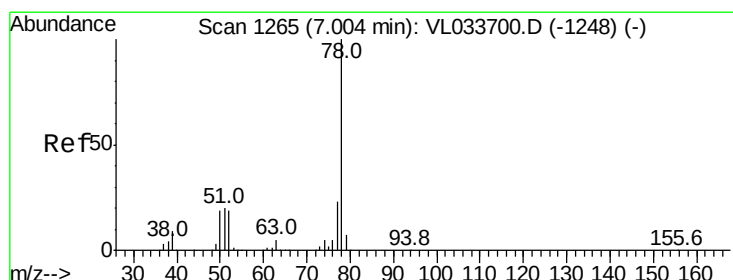
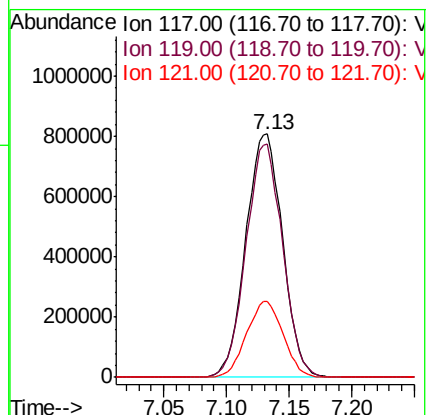
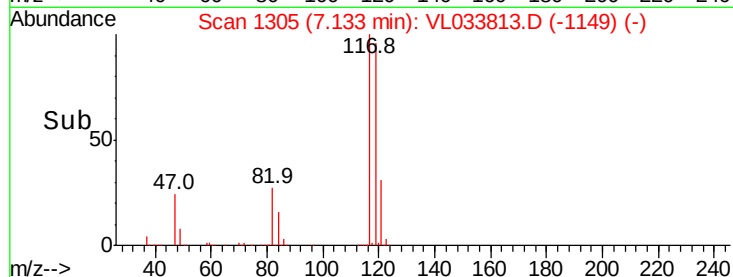
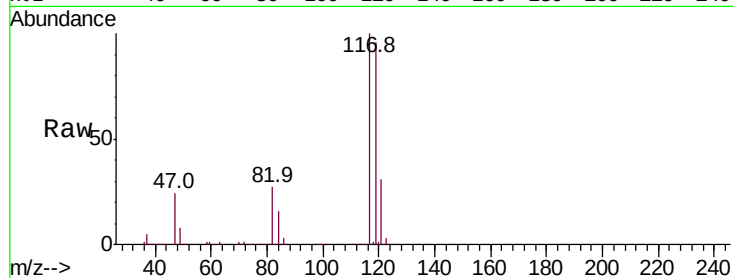
119 96.0 77.2 115.8

121 31.3 24.1 36.1

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#36

Benzene

Concen: 9.451 ppbv

RT: 7.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

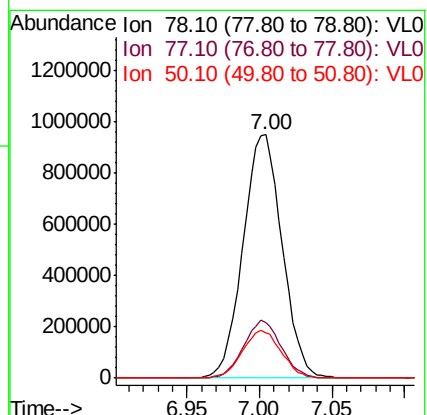
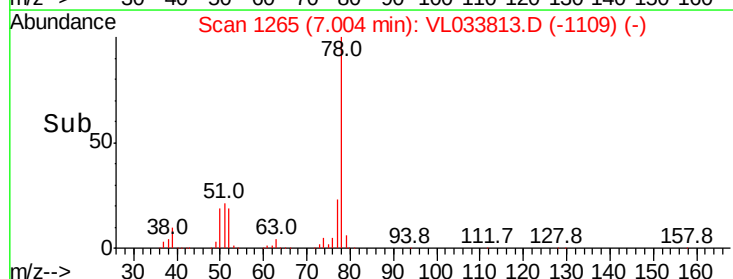
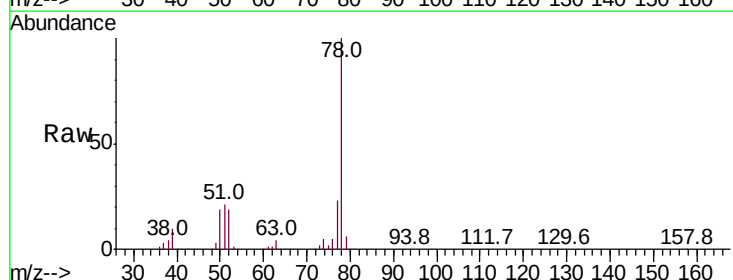
Tgt Ion: 78 Resp: 1771030

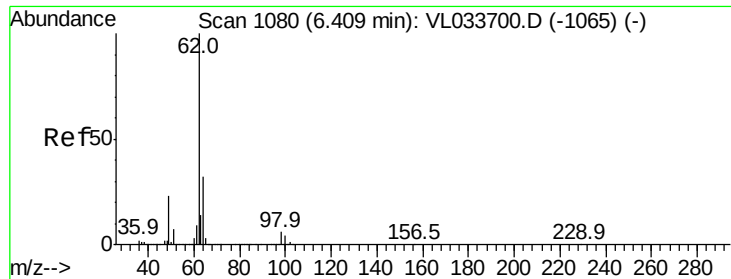
Ion Ratio Lower Upper

78 100

77 22.9 18.4 27.6

50 18.8 15.5 23.3





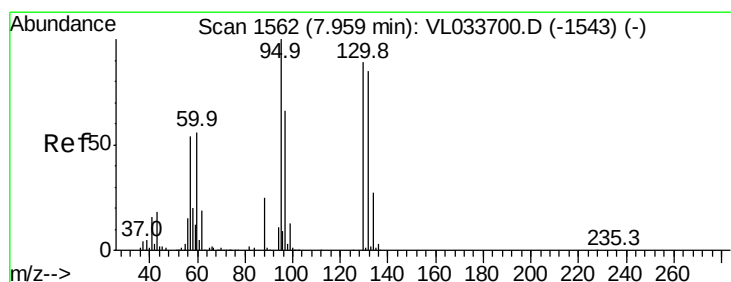
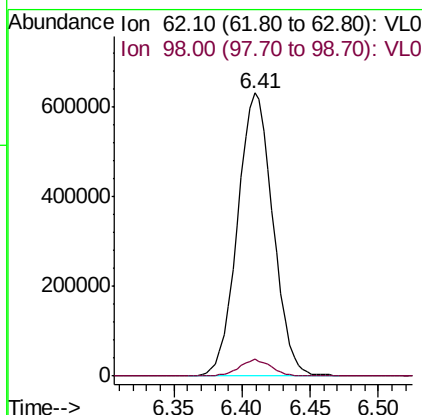
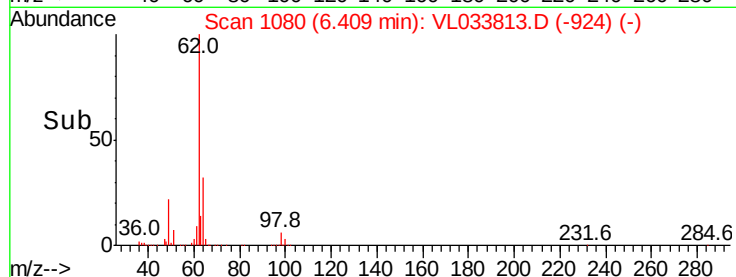
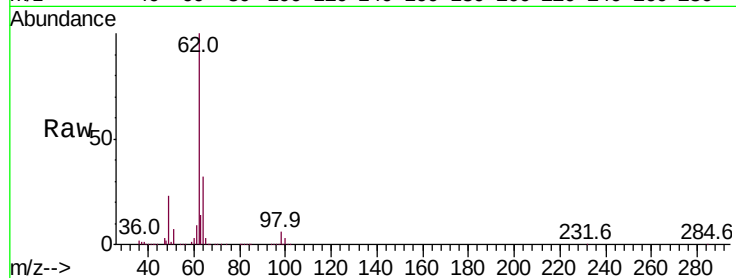
#37
 1,2-Dichloroethane
 Concen: 9.409 ppbv
 RT: 6.41 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VL033813.D
 Acq: 28 May 2019 21:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS02

Tot Ion: 62 Resp: 1137370
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.5 6.7

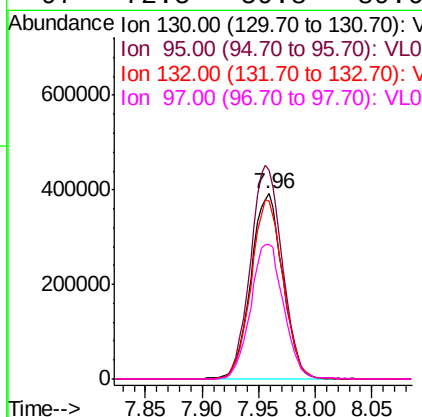
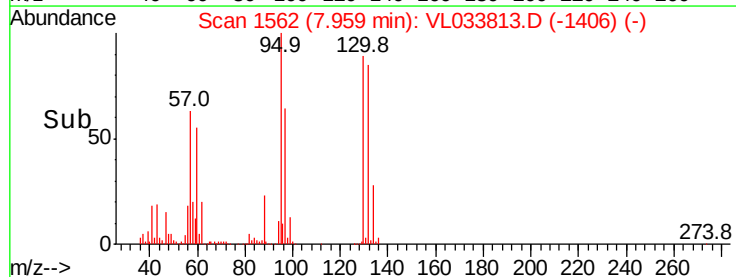
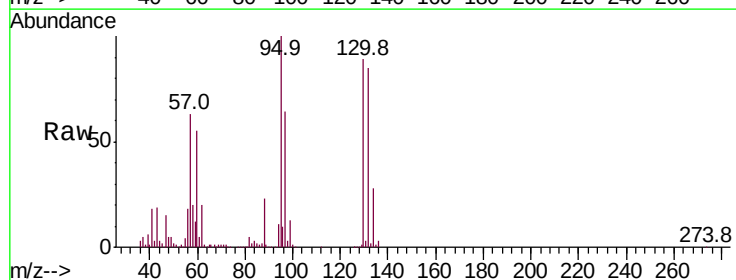
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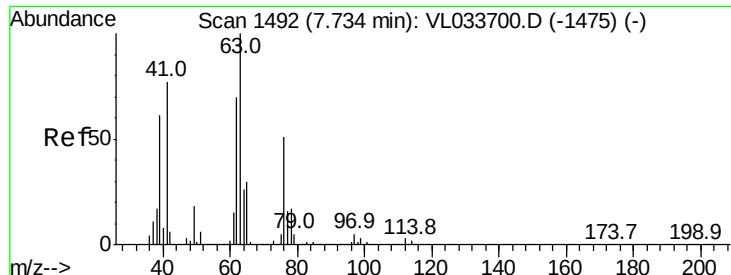
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#38
 Trichloroethene
 Concen: 10.986 ppbv
 RT: 7.96 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: VL033813.D
 Acq: 28 May 2019 21:14

Tgt Ion: 130 Resp: 763947
 Ion Ratio Lower Upper
 130 100
 95 112.8 90.2 135.4
 132 96.2 76.4 114.6
 97 72.5 59.8 89.6





#39

1,2-Dichloropropane

Concen: 9.879 ppbv

RT: 7.73 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Instrument :

MSVOA_L

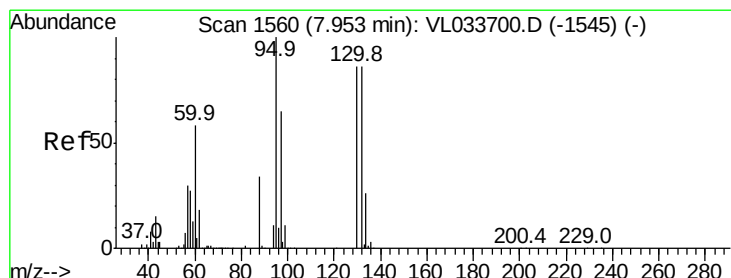
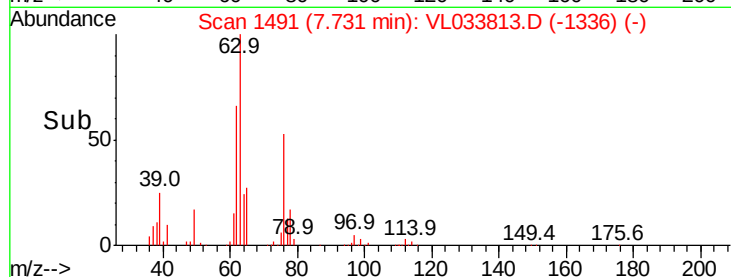
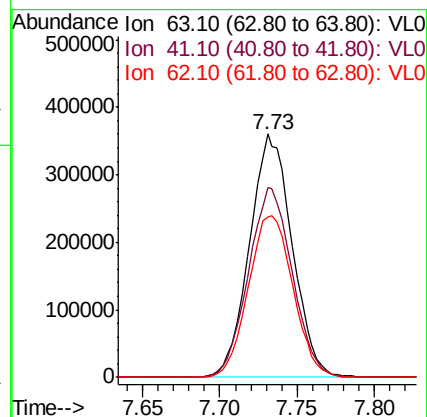
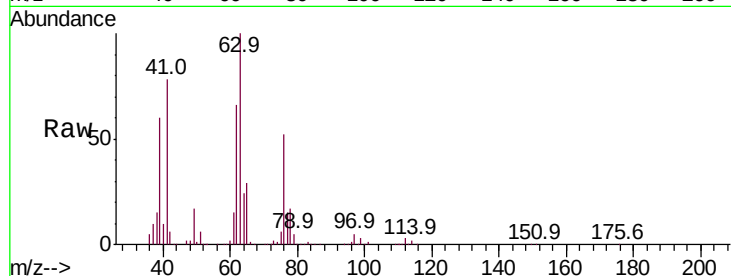
ClientSampleId :

VL0528ABS02

Tot Ion:	63	Resp:	690182
Ion Ratio	Lower	Upper	
63	100		
41	77.7	61.5	92.3
62	65.7	56.2	84.4

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#40

1,4-Dioxane

Concen: 10.000 ppbv

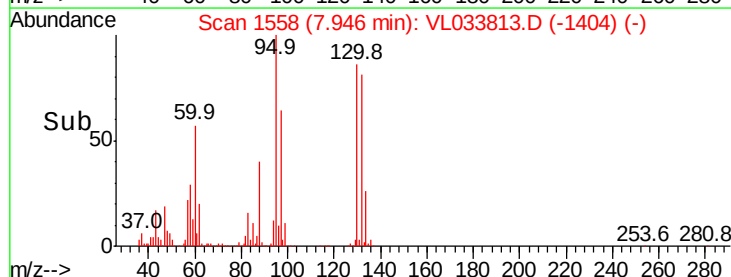
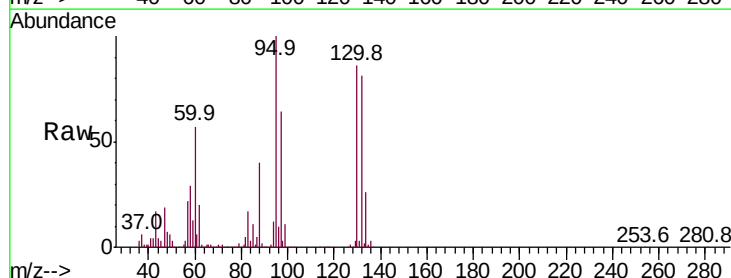
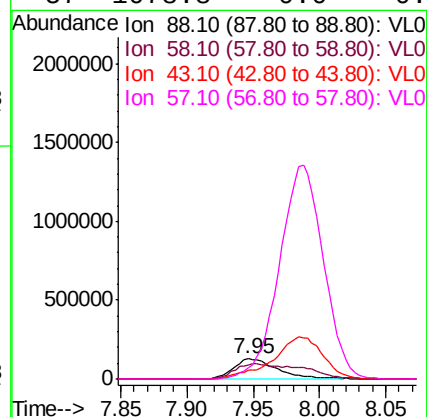
RT: 7.95 min Scan# 1558

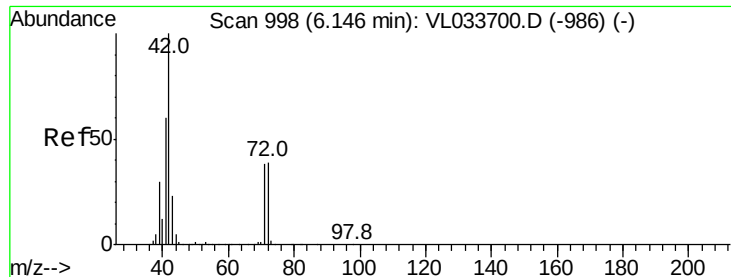
Delta R.T. -0.01 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Tgt Ion:	88	Resp:	292254
Ion Ratio	Lower	Upper	
88	100		
58	122.5	101.8	152.6
43	238.8	0.0	0.0#
57	1078.8	0.0	0.0#





#41

Tetrahydrofuran

Concen: 9.804 ppbv

RT: 6.14 min Scan# 997

Delta R.T. -0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Instrument :

MSVOA_L

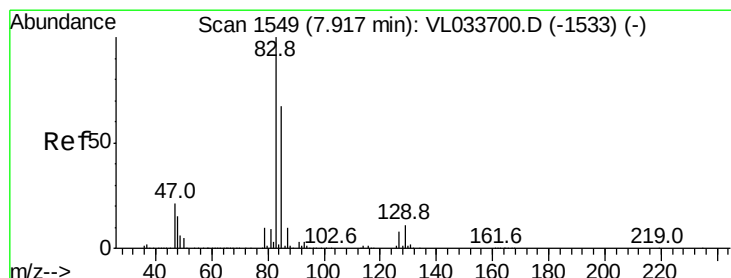
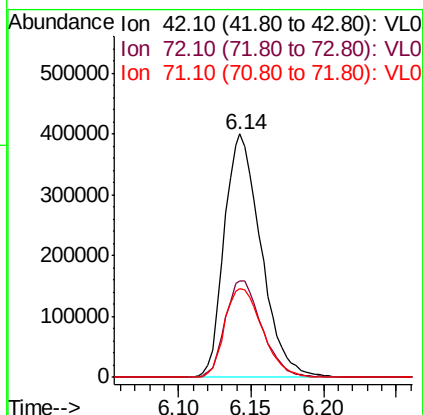
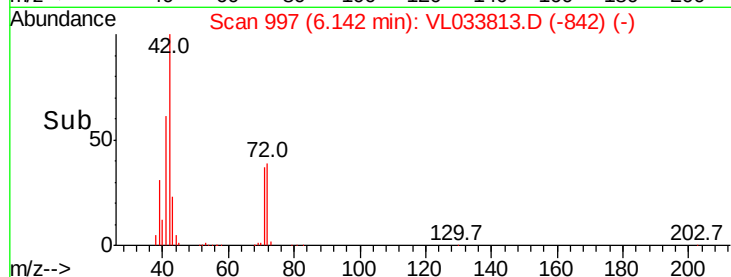
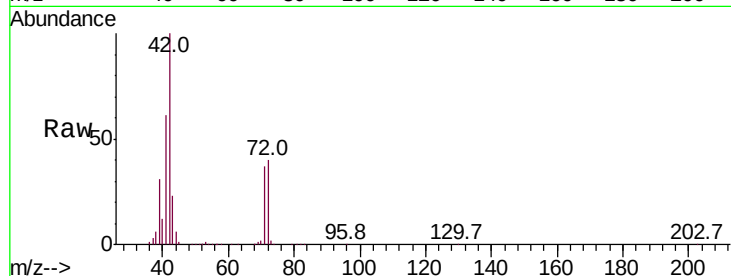
ClientSampleID :

VL0528ABS02

Tot Ion:	42	Resp:	701449
Ion Ratio	Lower	Upper	
42	100		
72	40.1	32.0	48.0
71	37.9	30.4	45.6

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#42

Bromodichloromethane

Concen: 10.213 ppbv

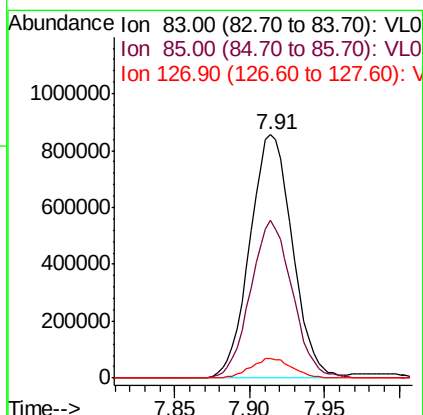
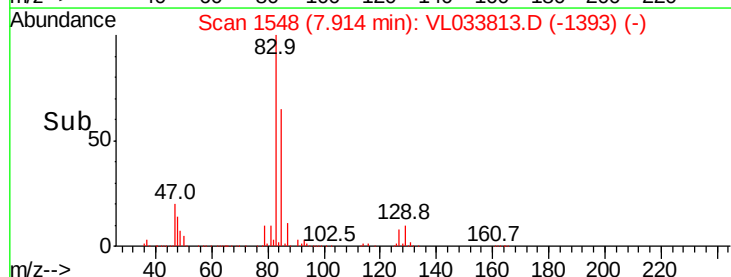
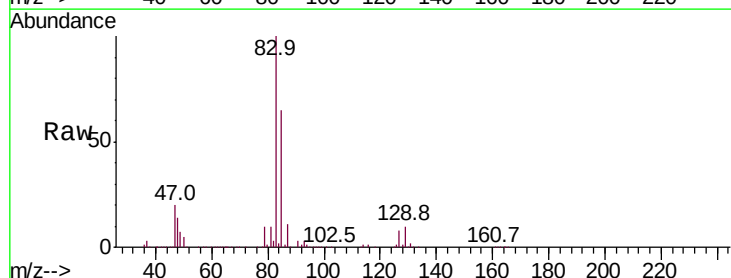
RT: 7.91 min Scan# 1548

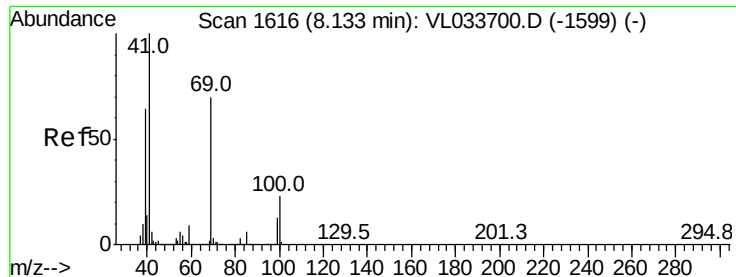
Delta R.T. -0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Tgt Ion:	83	Resp:	1690225
Ion Ratio	Lower	Upper	
83	100		
85	64.8	53.3	79.9
127	8.0	6.5	9.7





#43

Methyl Methacrylate

Concen: 10.707 ppbv

RT: 8.13 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Instrument :

MSVOA_L

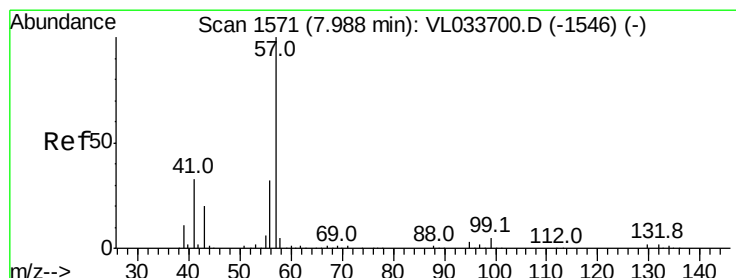
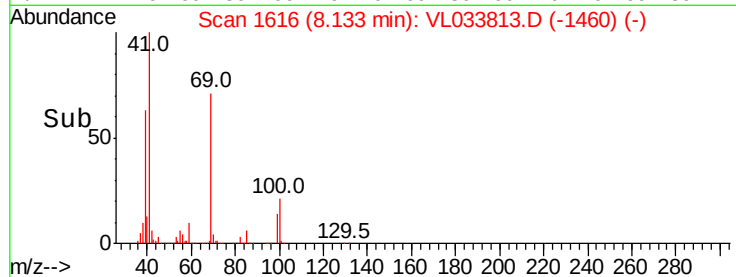
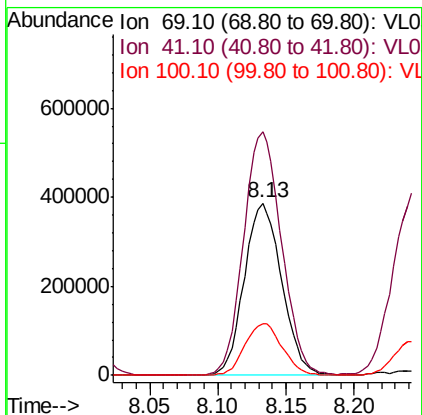
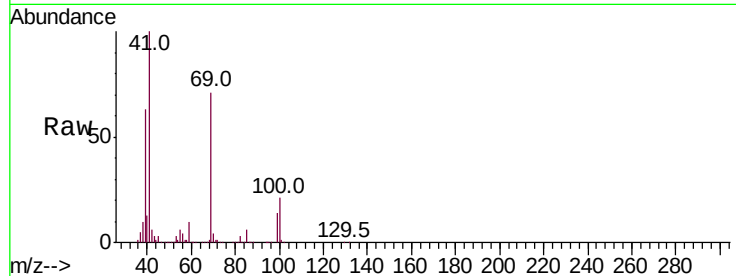
ClientSampleId :

VL0528ABS02

Tot Ion:	69	Resp:	738420
Ion Ratio	Lower	Upper	
69	100		
41	143.3	116.3	174.5
100	30.1	25.3	37.9

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#44

2,2,4-Trimethylpentane

Concen: 9.948 ppbv

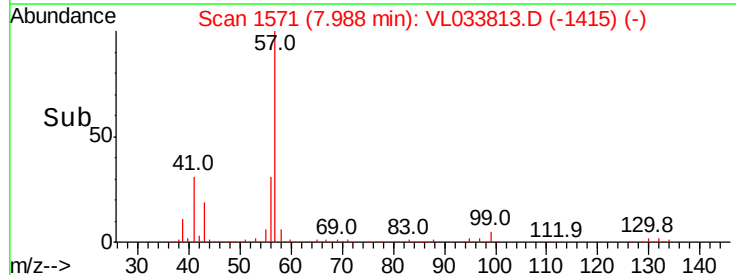
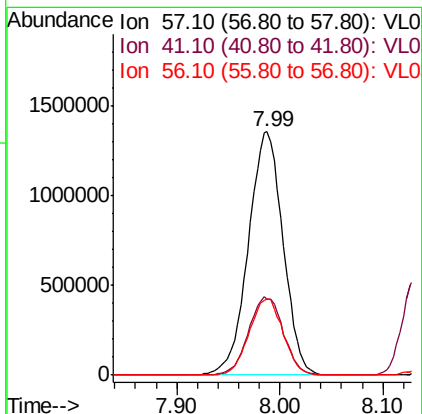
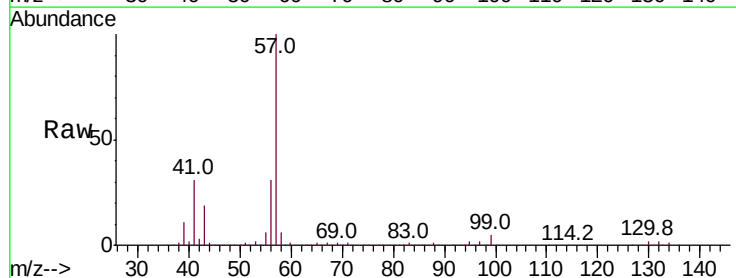
RT: 7.99 min Scan# 1571

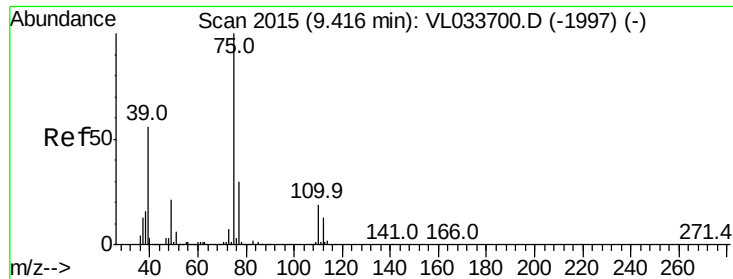
Delta R.T. 0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Tgt Ion:	57	Resp:	3150732
Ion Ratio	Lower	Upper	
57	100		
41	32.2	25.4	38.0
56	30.8	24.7	37.1





#45

t-1,3-Dichloropropene

Concen: 11.126 ppbv

RT: 9.41 min Scan# 2014

Delta R.T. -0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS02

Tot Ion: 75 Resp: 972758

Ion Ratio Lower Upper

75 100

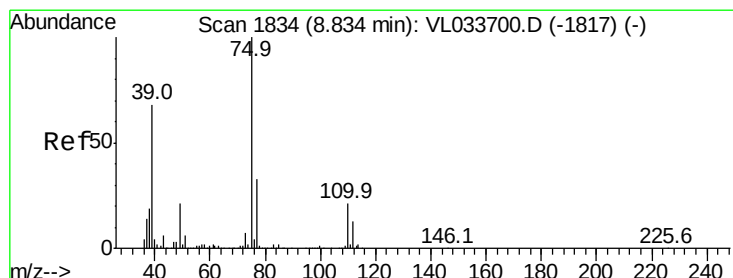
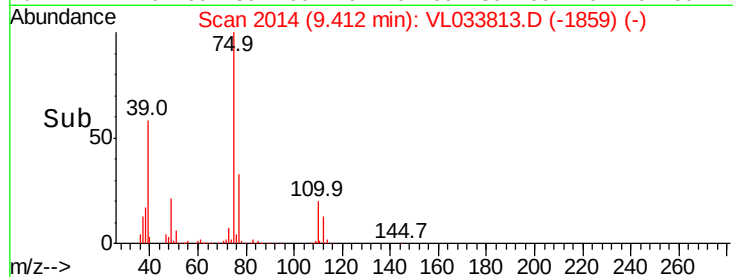
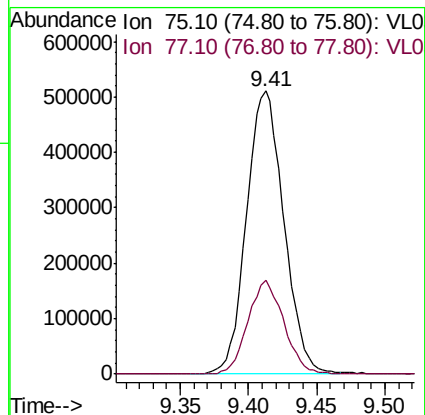
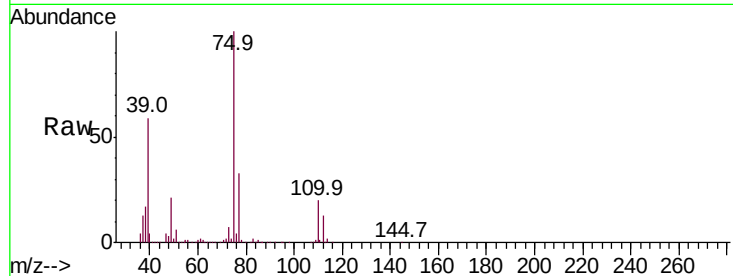
77 33.2 24.4 36.6

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#46

cis-1,3-Dichloropropene

Concen: 10.763 ppbv

RT: 8.83 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

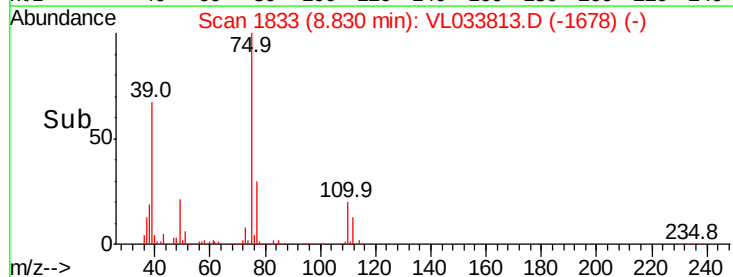
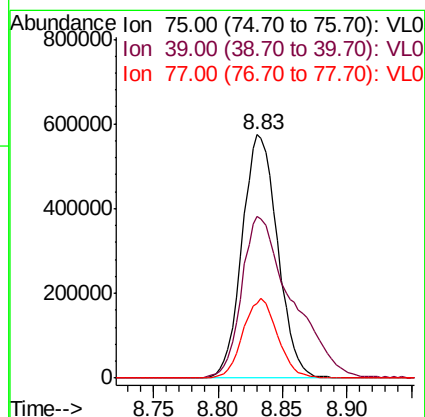
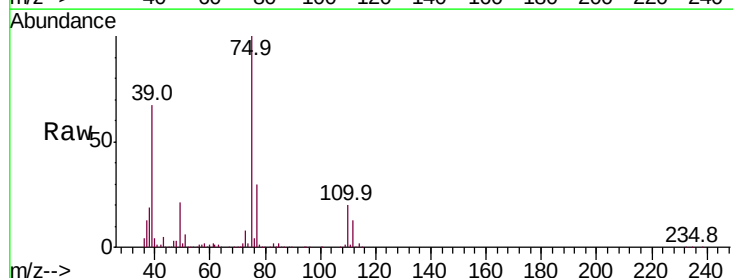
Tgt Ion: 75 Resp: 1101839

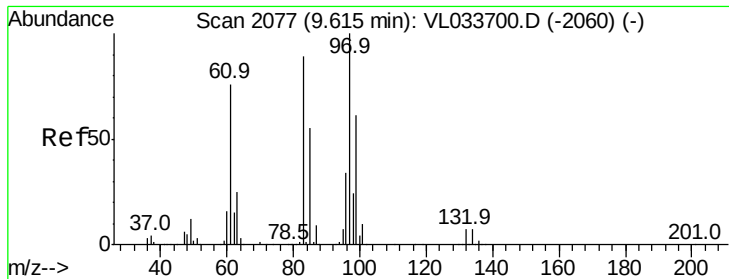
Ion Ratio Lower Upper

75 100

39 66.6 54.4 81.6

77 30.5 26.6 39.8





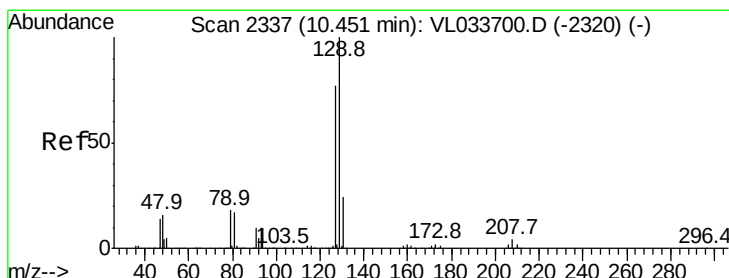
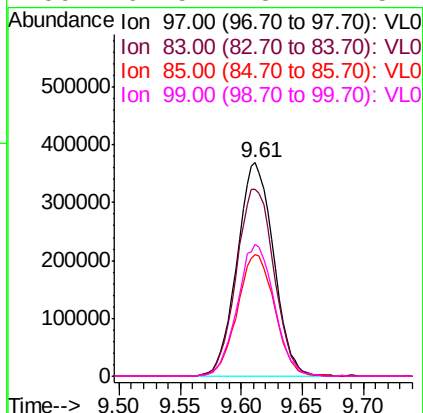
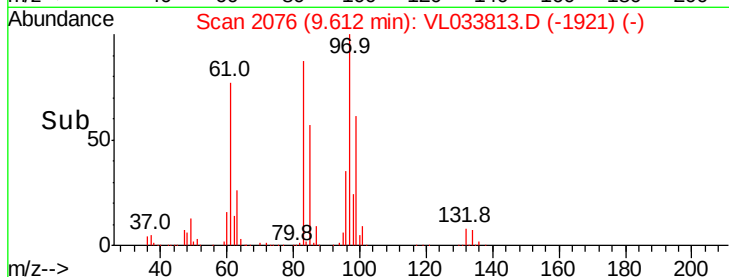
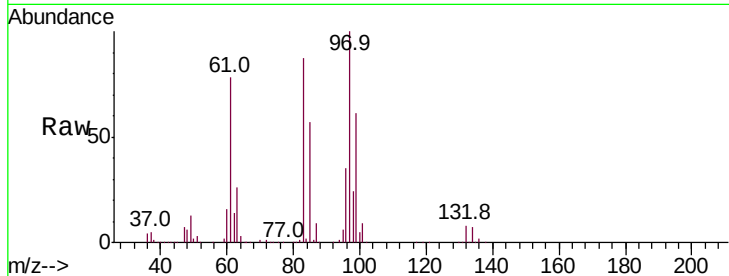
#47
 1,1,2-Trichloroethane
 Concen: 9.622 ppbv
 RT: 9.61 min Scan# 2076
 Delta R.T. -0.00 min
 Lab File: VL033813.D
 Acq: 28 May 2019 21:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS02

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.8	106.2
85	57.0	43.7	65.5
99	61.5	48.7	73.1

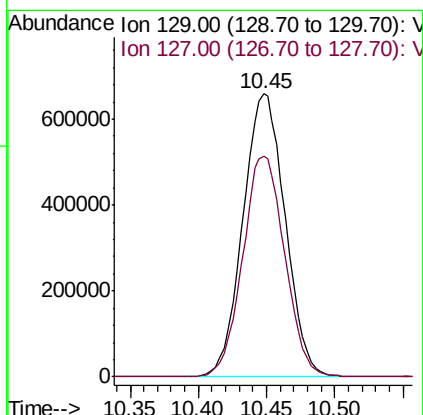
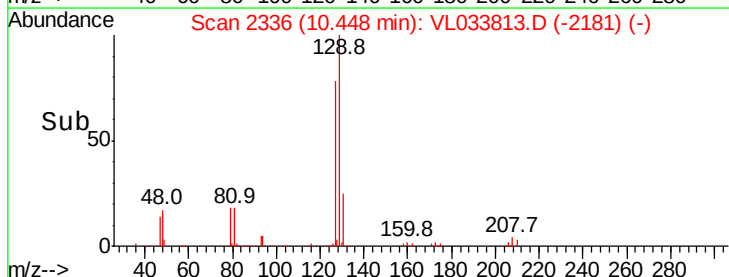
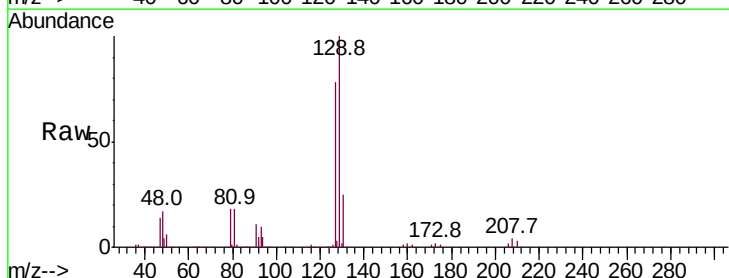
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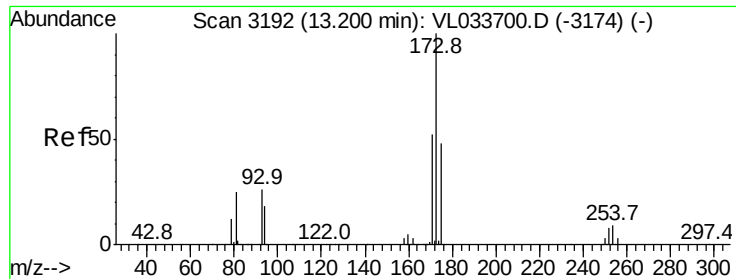
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#48
 Dibromochloromethane
 Concen: 10.283 ppbv
 RT: 10.45 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: VL033813.D
 Acq: 28 May 2019 21:14

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.6	116.0





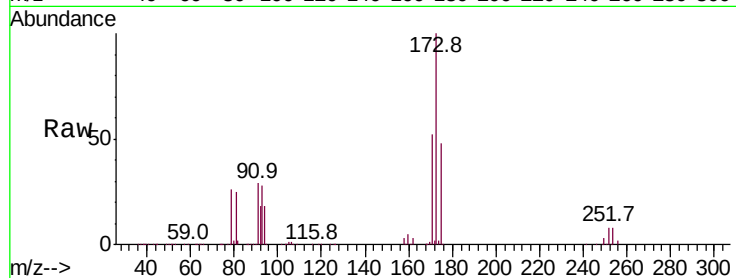
#49
Bromoform
Concen: 11.257 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

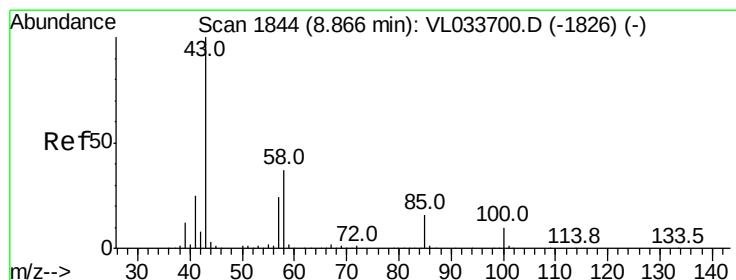
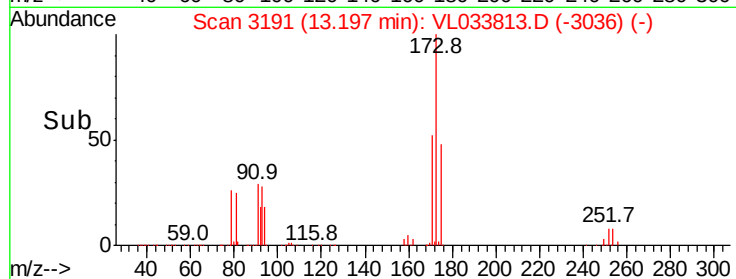
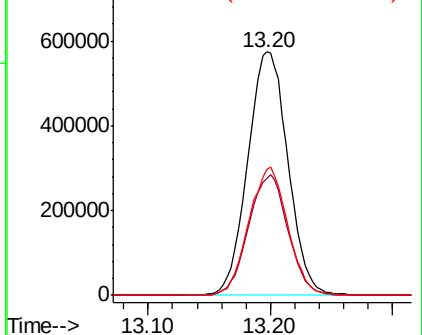
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.6	58.0
171	51.5	41.5	62.3

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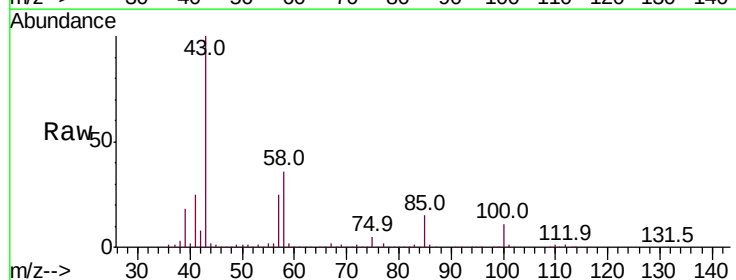


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

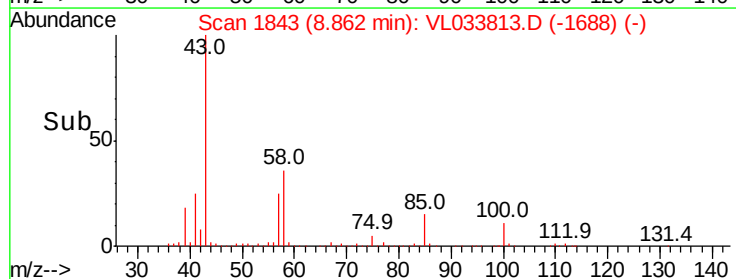
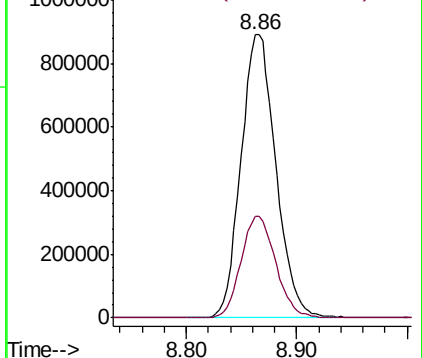


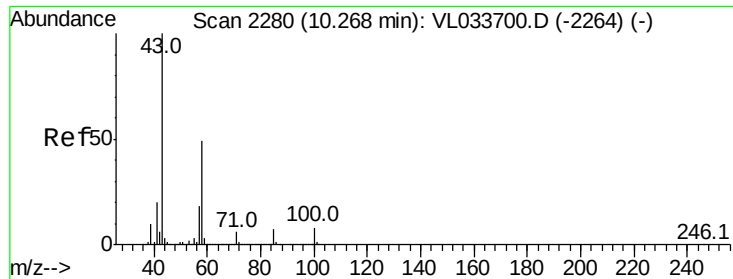
#50
4-Methyl-2-Pentanone
Concen: 9.939 ppbv
RT: 8.86 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.8	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: 10.425 ppbv

RT: 10.26 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS02

Tot Ion: 43 Resp: 1598016

Ion Ratio Lower Upper

43 100

58 47.4 38.7 58.1

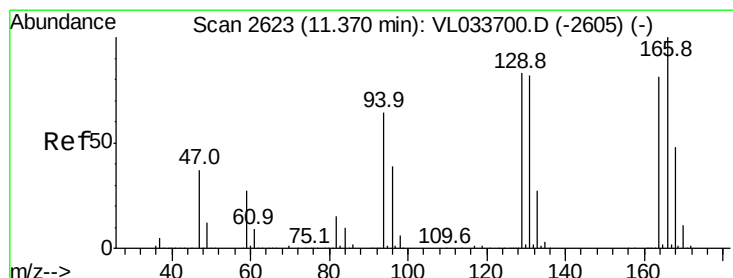
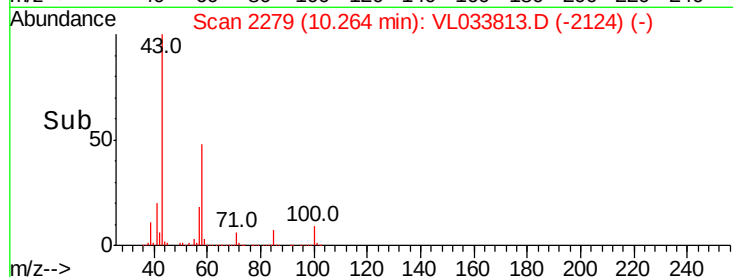
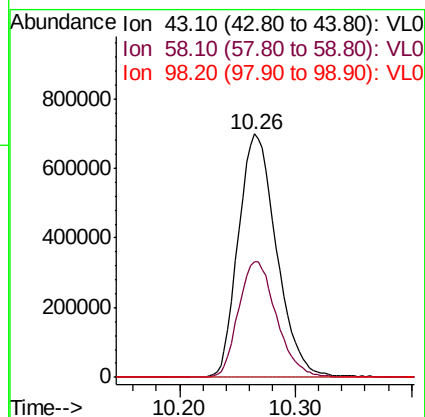
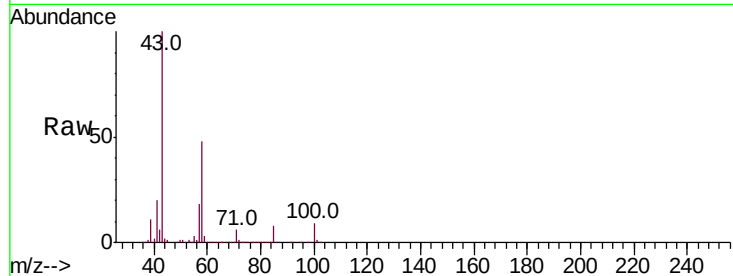
98 0.4 0.2 0.4#

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#52

Tetrachloroethene

Concen: 10.481 ppbv

RT: 11.37 min Scan# 2623

Delta R.T. 0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Tgt Ion: 164 Resp: 690422

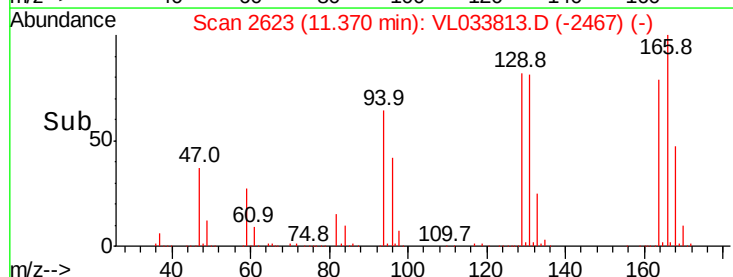
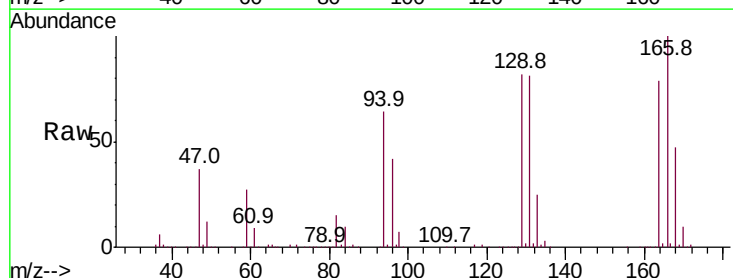
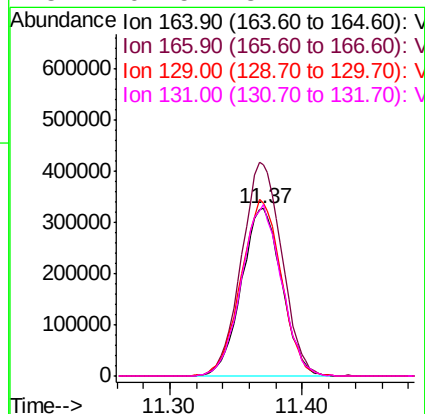
Ion Ratio Lower Upper

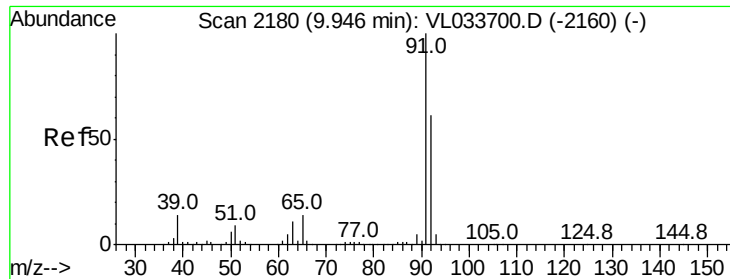
164 100

166 126.1 98.9 148.3

129 103.0 81.8 122.6

131 102.5 81.1 121.7





#53

Toluene

Concen: 10.524 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS02

Tot Ion: 91 Resp: 2127223

Ion Ratio Lower Upper

91 100

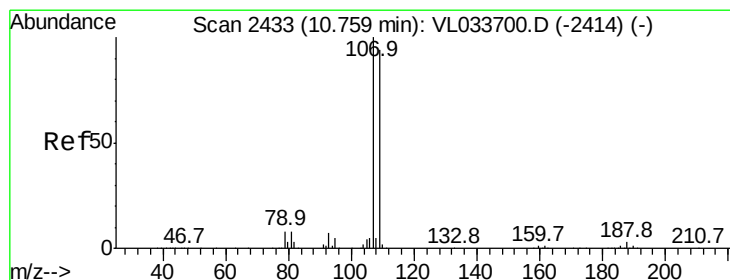
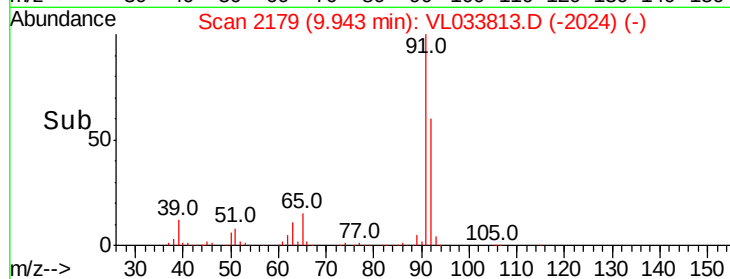
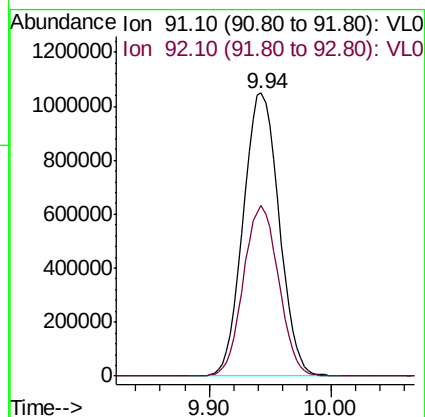
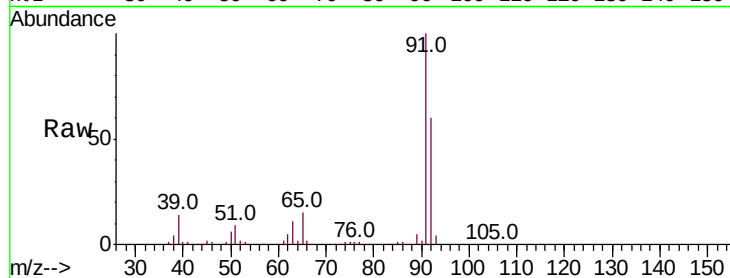
92 59.3 47.6 71.4

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#54

1,2-Dibromoethane

Concen: 10.074 ppbv

RT: 10.76 min Scan# 2432

Delta R.T. -0.00 min

Lab File: VL033813.D

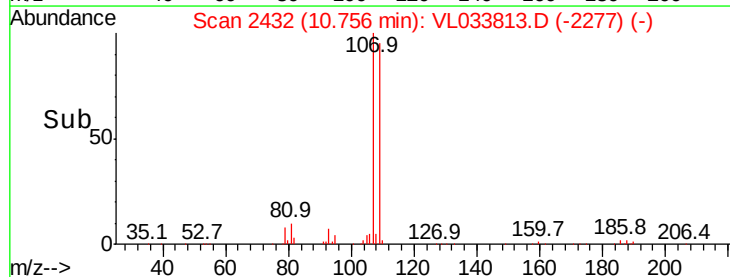
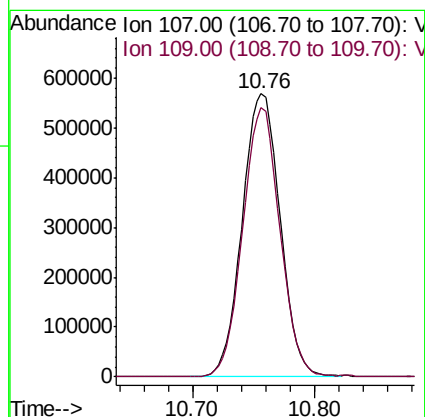
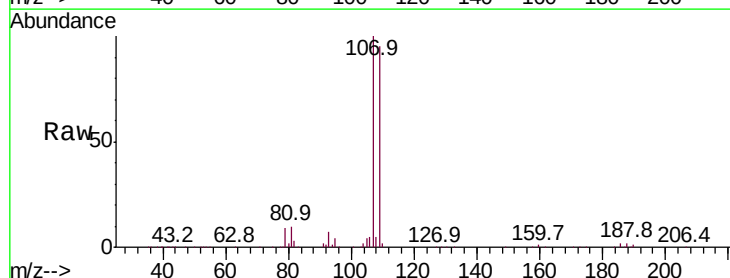
Acq: 28 May 2019 21:14

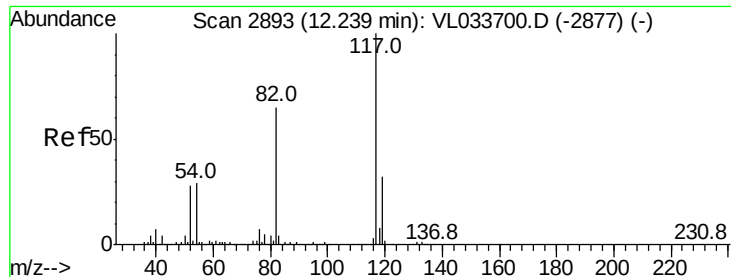
Tgt Ion:107 Resp: 1220232

Ion Ratio Lower Upper

107 100

109 95.0 75.2 112.8





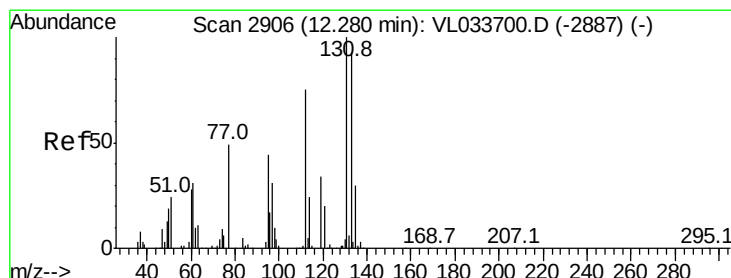
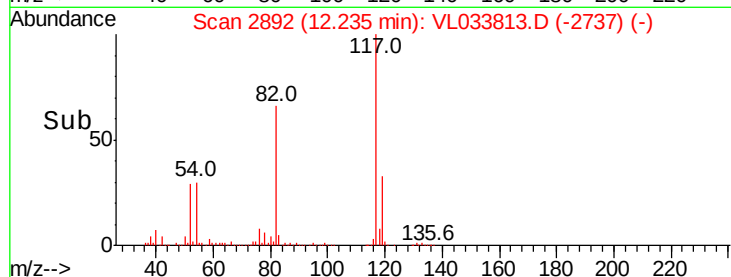
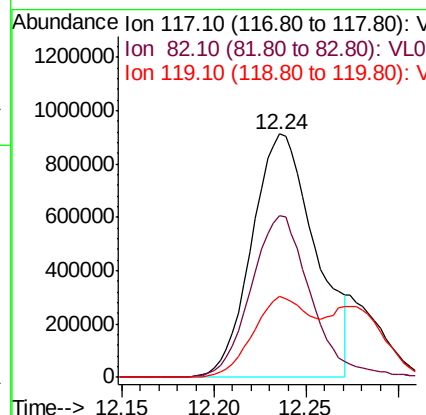
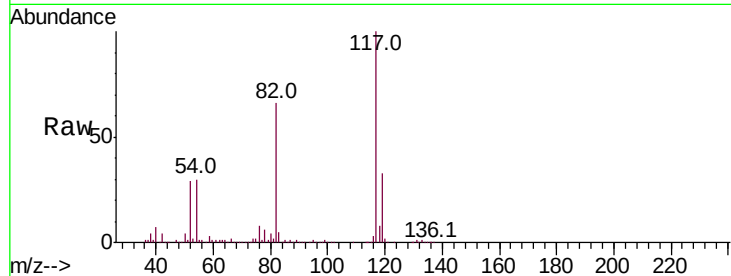
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.8	49.4	74.0
119	28.8	24.9	37.3

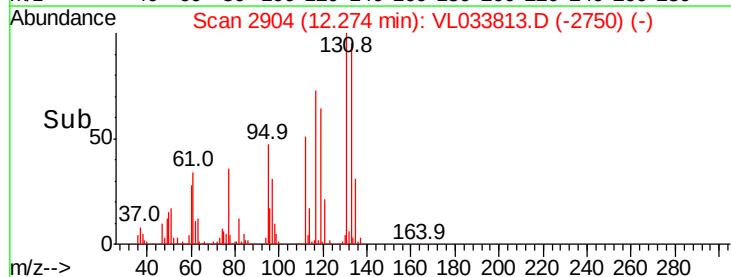
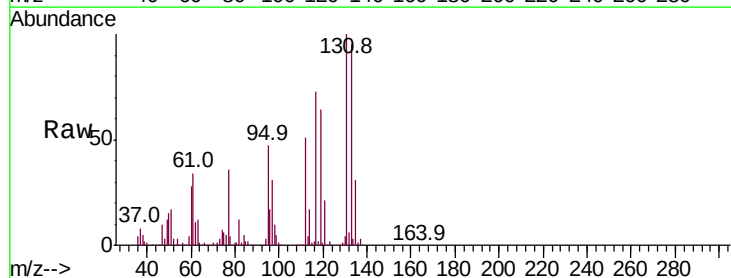
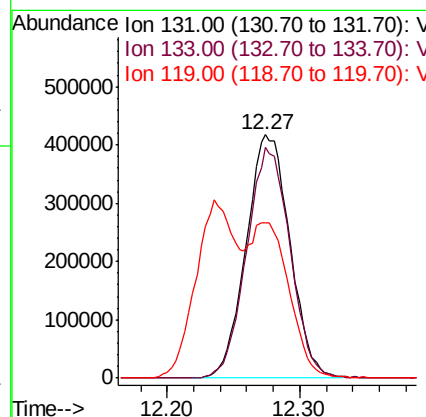
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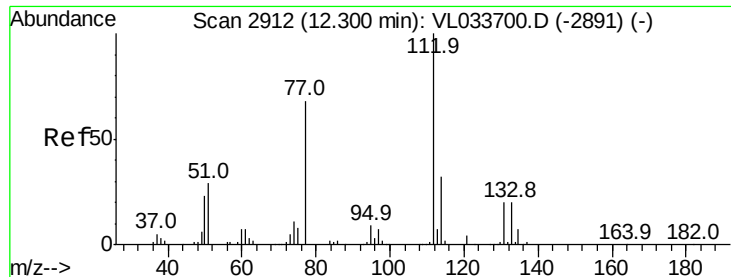
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.462 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.0	76.6	114.8
119	53.7	49.0	73.4





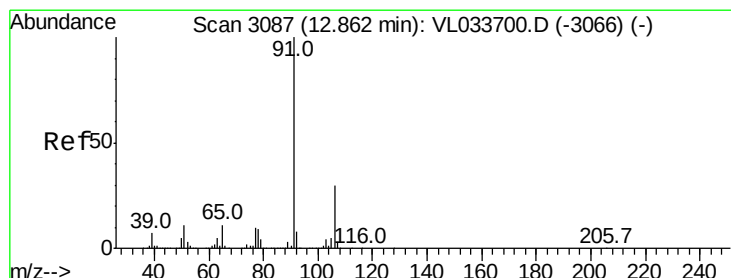
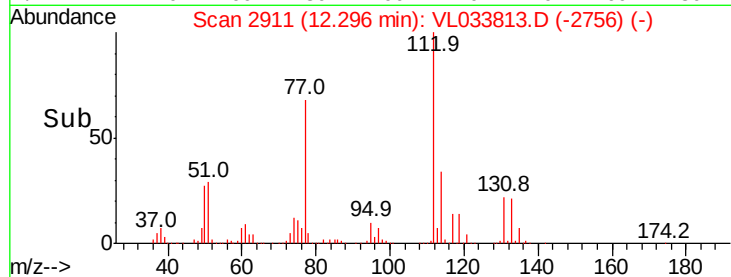
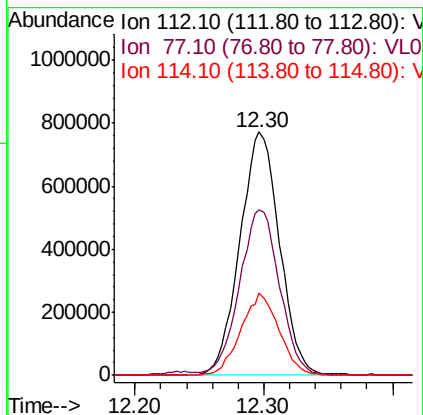
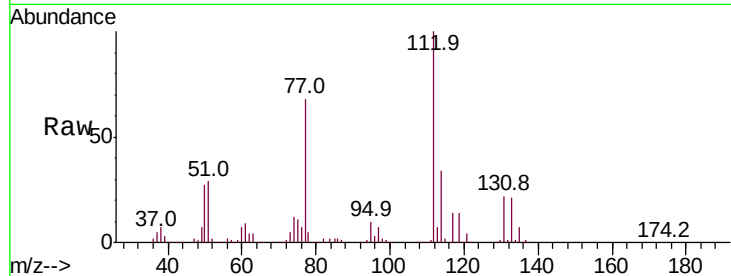
#57
Chlorobenzene
Concen: 9.158 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tot Ion	Ratio	Lower	Upper
112	100		
77	67.7	55.4	83.0
114	33.8	29.3	35.8

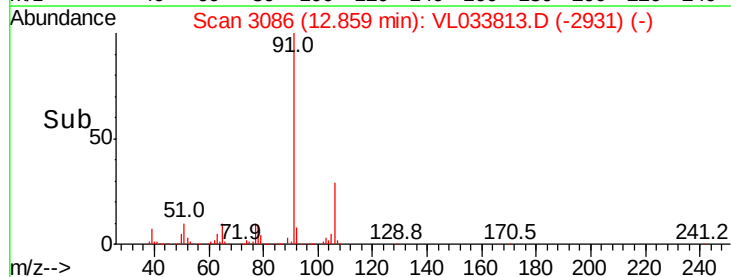
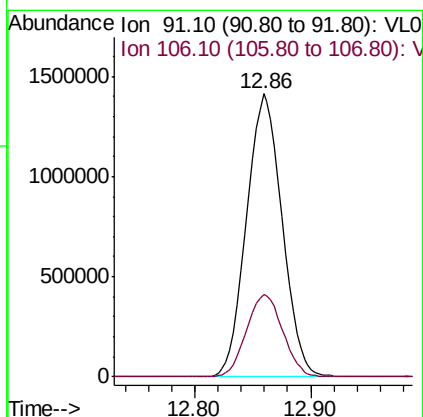
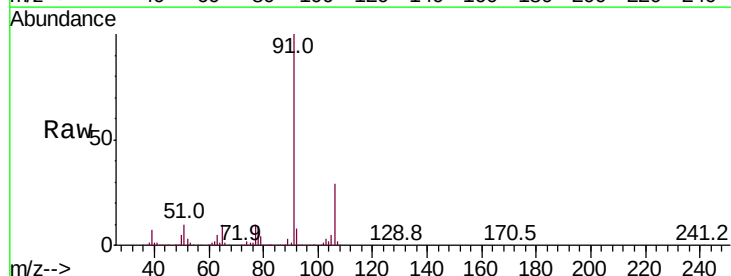
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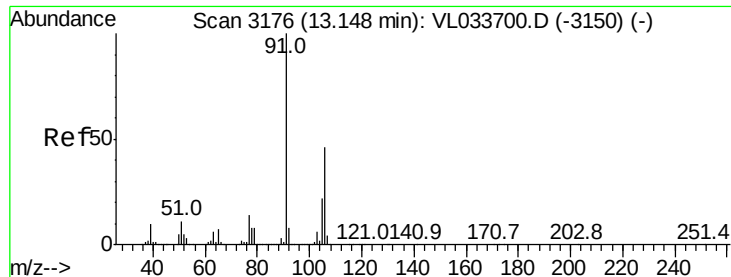
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#58
Ethyl Benzene
Concen: 10.452 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.9	35.9





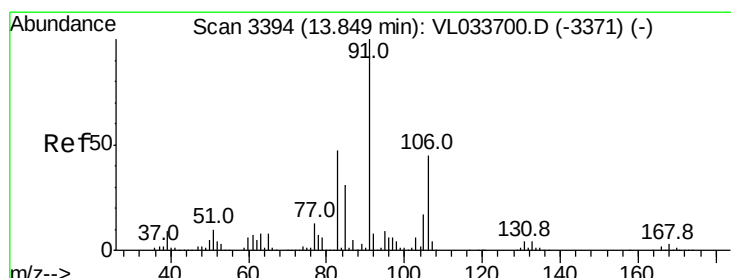
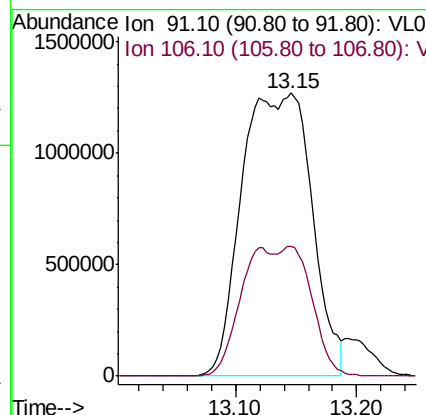
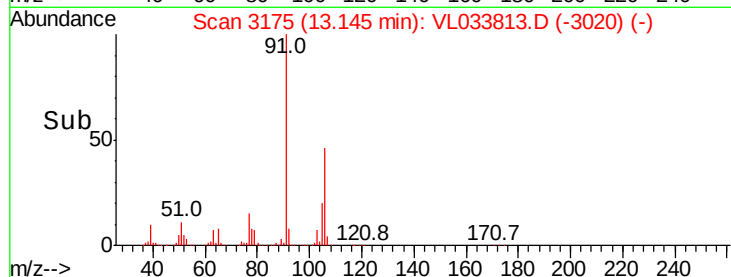
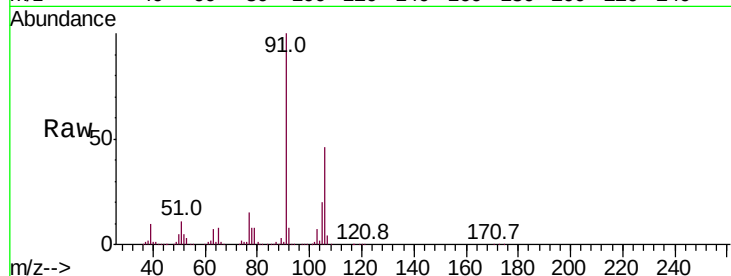
#59
m/p-Xylene
Concen: 20.099 ppbv m
RT: 13.15 min Scan# 3175
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampled :
VL0528ABS02

Tot Ion: 91 Resp: 5085825
Ion Ratio Lower Upper
91 100
106 45.1 35.8 53.6

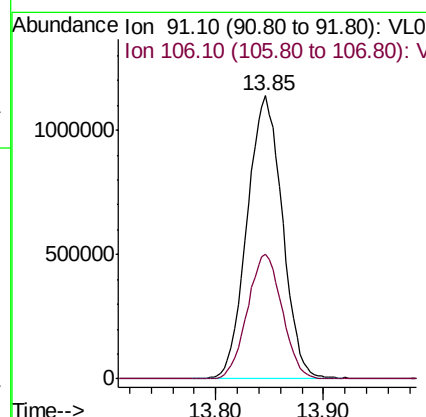
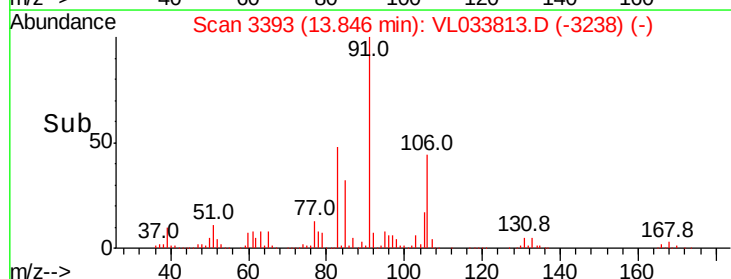
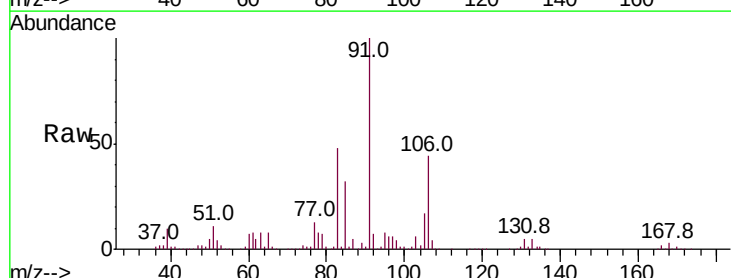
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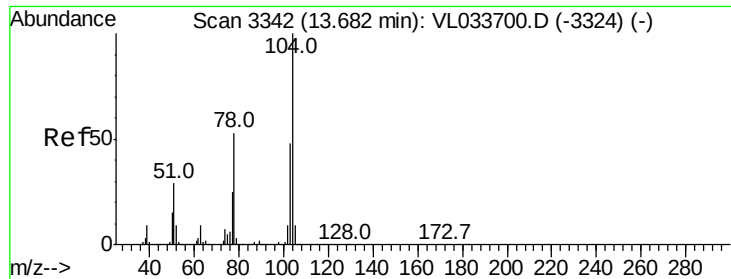
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#60
o-Xylene
Concen: 10.140 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion: 91 Resp: 2586419
Ion Ratio Lower Upper
91 100
106 43.6 21.6 64.8





#61

Stvrene

Concen: 11.644 ppbv

RT: 13.68 min Scan# 3341

Delta R.T. -0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS02

Tot Ion:104 Resp: 1999744

Ion Ratio Lower Upper

104 100

78 53.9 42.6 64.0

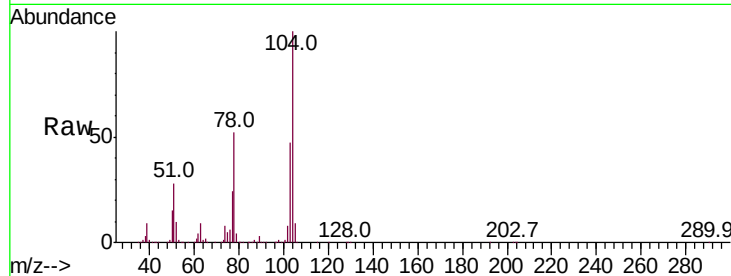
103 47.0 37.8 56.6

Manual Integrations

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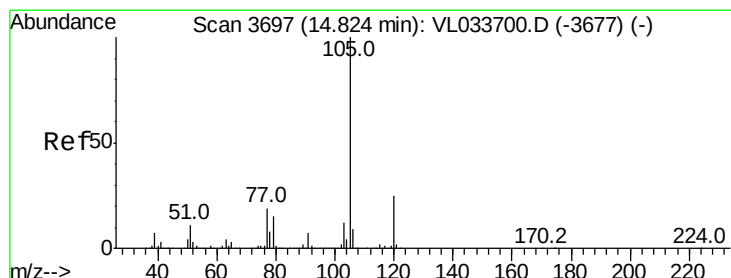
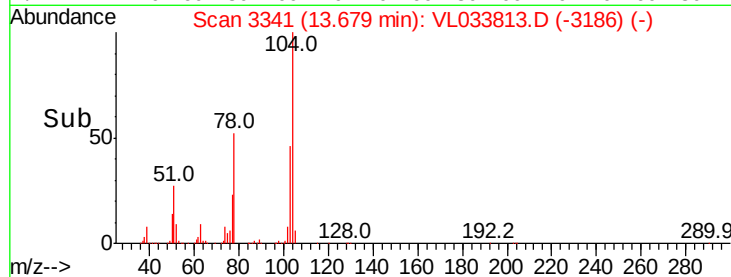
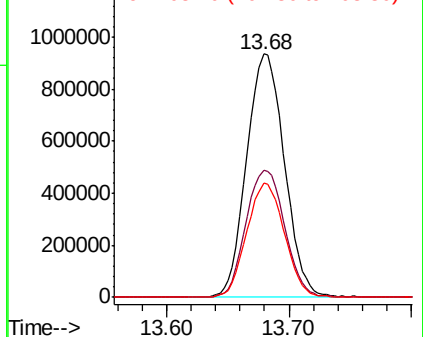
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.808 ppbv

RT: 14.82 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VL033813.D

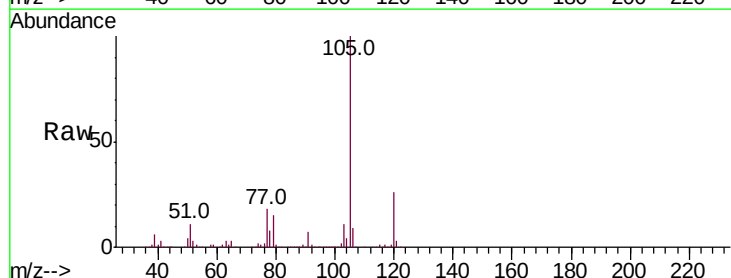
Acq: 28 May 2019 21:14

Tgt Ion:105 Resp: 3369199

Ion Ratio Lower Upper

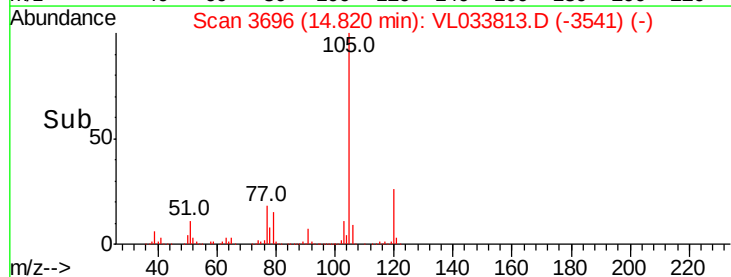
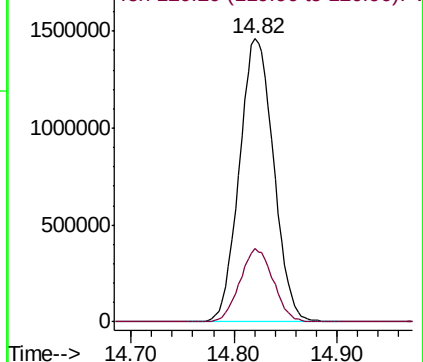
105 100

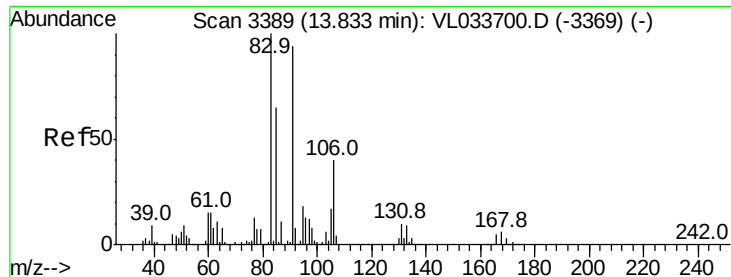
120 25.3 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 9.765 ppbv

RT: 13.83 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Instrument :

MSVOA_L

ClientSampled :

VL0528ABS02

Tot Ion: 83 Resp: 1811388

Ion Ratio Lower Upper

83 100

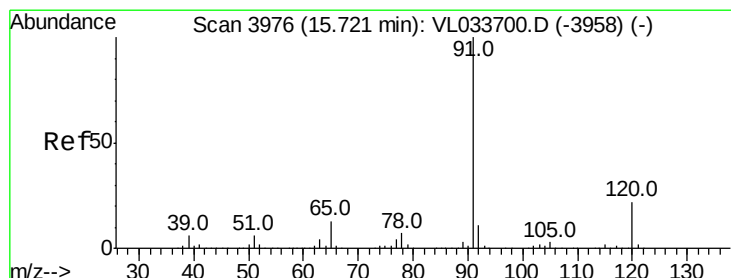
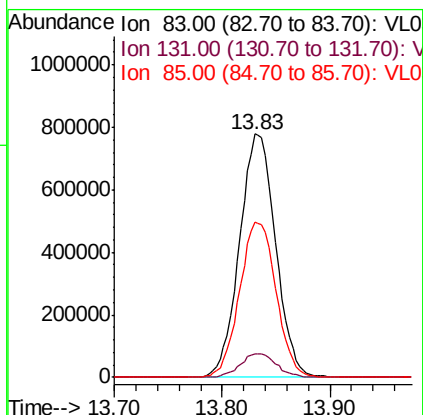
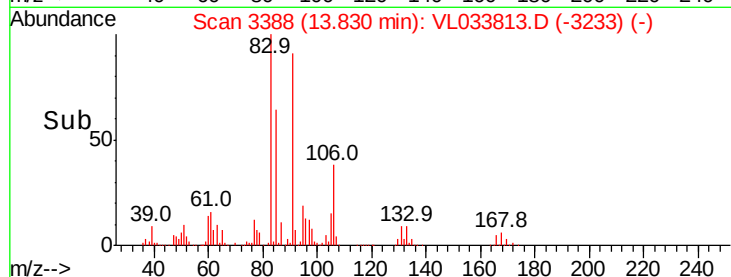
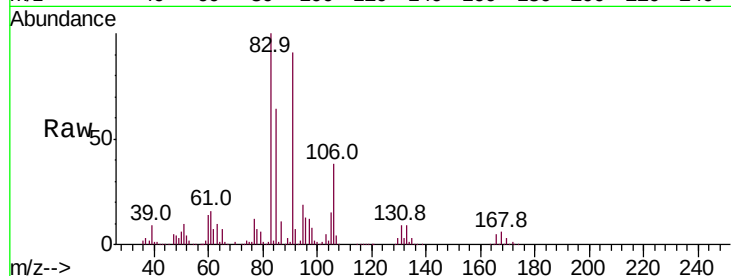
131 9.7 4.8 14.3

85 64.9 32.3 96.9

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#64

n-propylbenzene

Concen: 9.999 ppbv

RT: 15.72 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VL033813.D

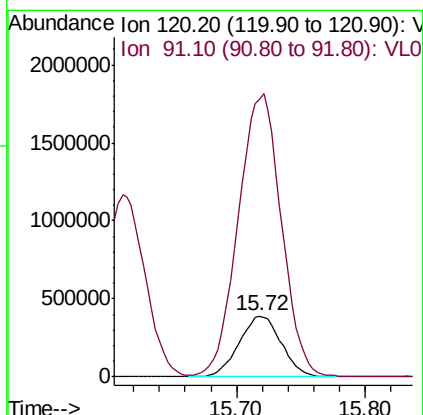
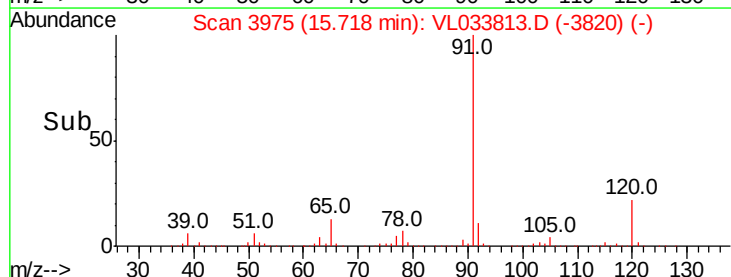
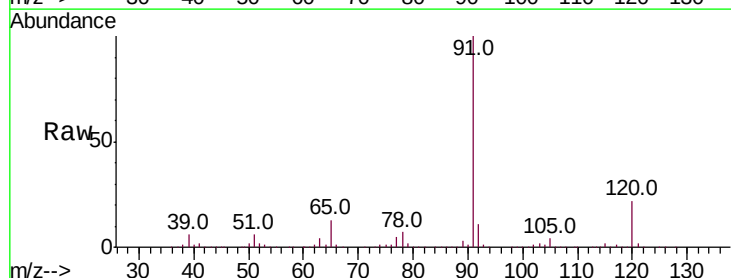
Acq: 28 May 2019 21:14

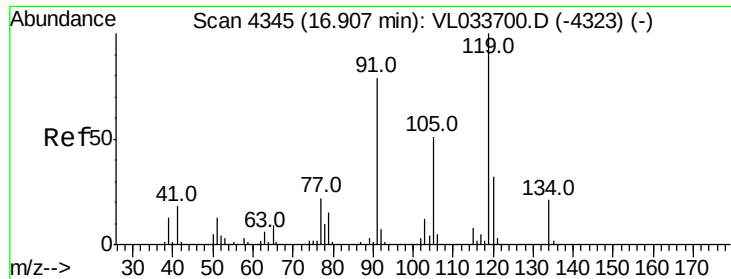
Tgt Ion:120 Resp: 888501

Ion Ratio Lower Upper

120 100

91 477.1 379.1 568.7





#65

tert-Butylbenzene

Concen: 10.017 ppbv

RT: 16.90 min Scan# 4344

Delta R.T. -0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS02

Tot Ion:119 Resp: 3141706

Ion Ratio Lower Upper

119 100

91 82.9 65.3 97.9

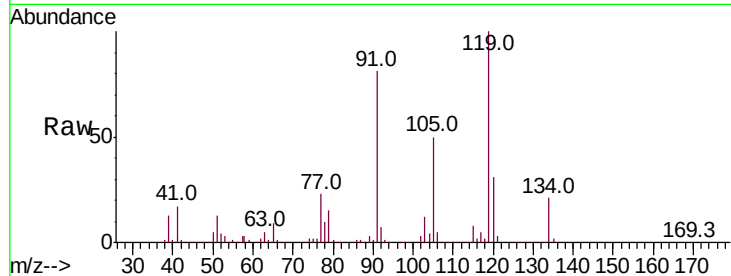
134 19.3 15.7 23.5

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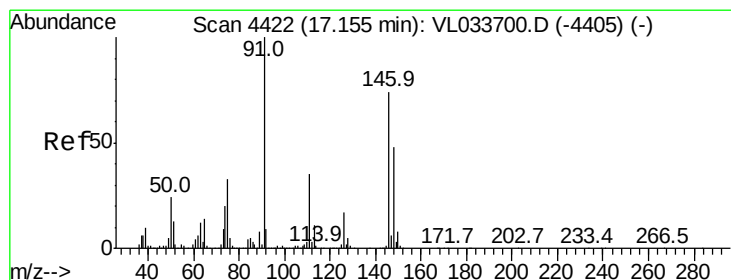
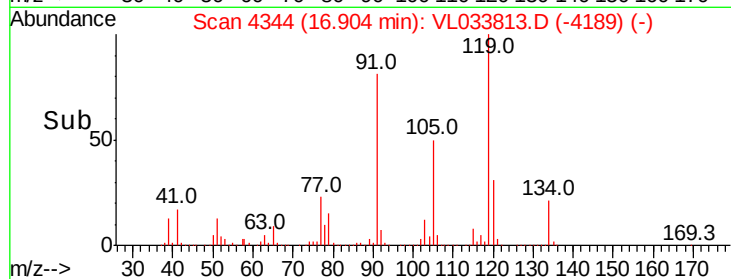
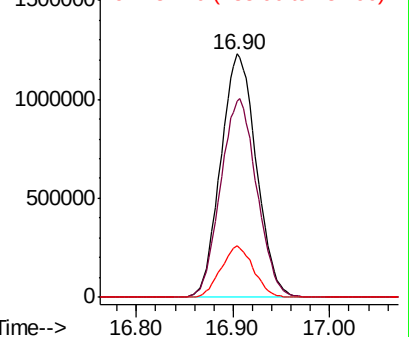
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.561 ppbv

RT: 17.15 min Scan# 4421

Delta R.T. -0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

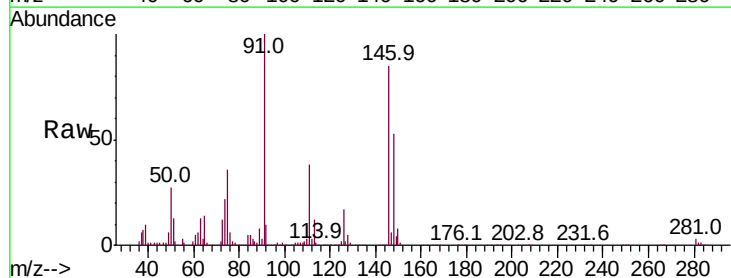
Tgt Ion: 91 Resp: 1577618

Ion Ratio Lower Upper

91 100

126 16.9 13.5 20.3

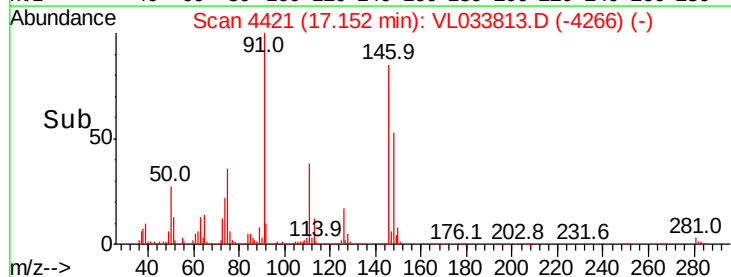
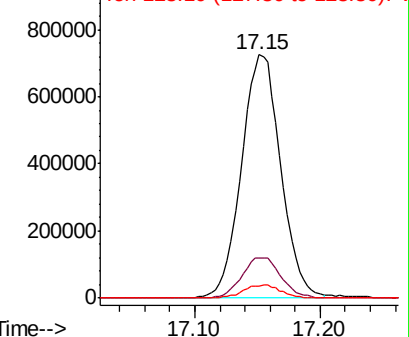
128 5.3 4.3 6.5

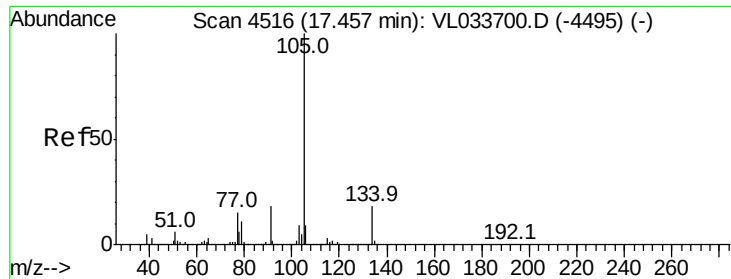


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.110 ppbv

RT: 17.45 min Scan# 4515

Delta R.T. -0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS02

Tot Ion:105 Resp: 4438145

Ion Ratio Lower Upper

105 100

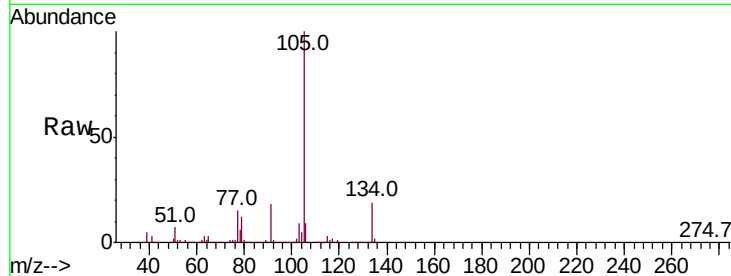
134 18.2 14.6 22.0

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2000000

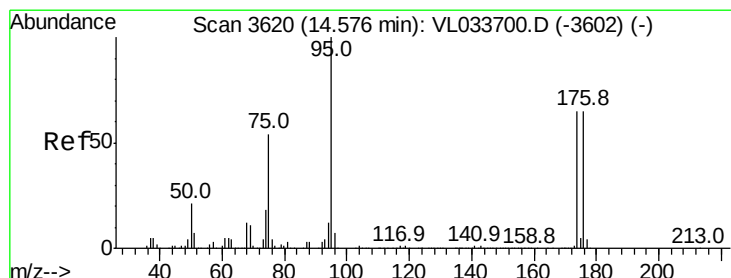
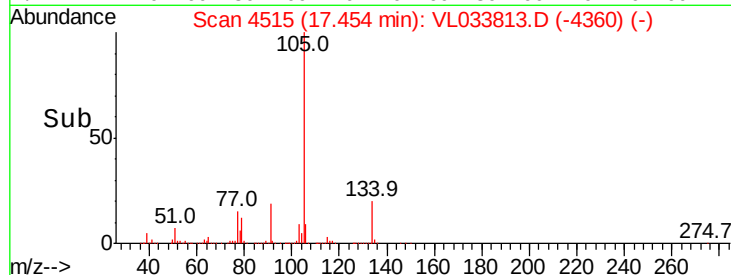
1500000

1000000

500000

0

Time--> 17.30 17.40 17.50



#68

1-Bromo-4-Fluorobenzene

Concen: 9.482 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

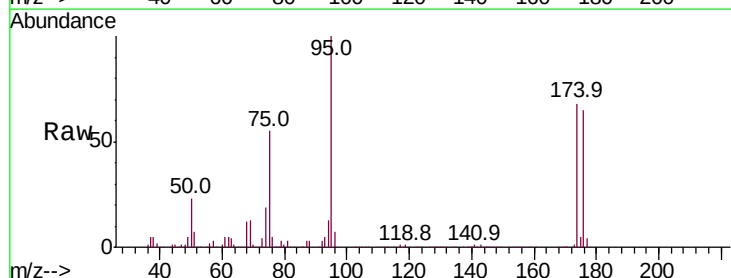
Tgt Ion: 95 Resp: 1680308

Ion Ratio Lower Upper

95 100

174 67.3 53.9 80.9

175 4.9 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

1000000

800000

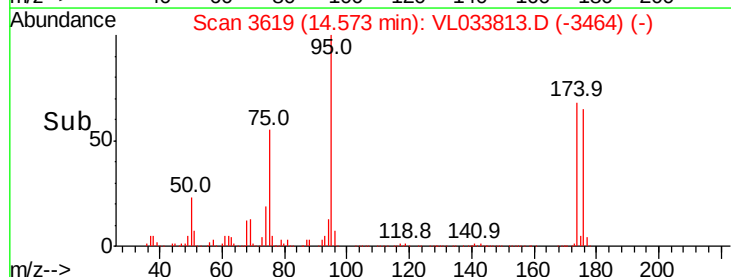
600000

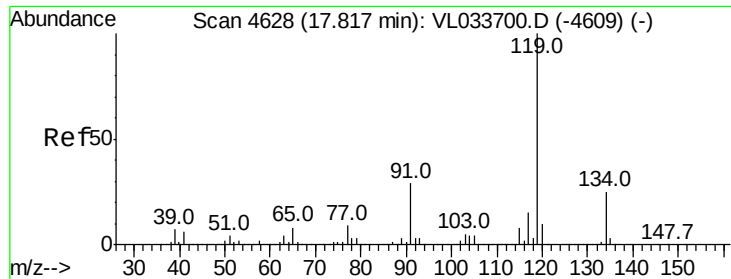
400000

200000

0

Time--> 14.50 14.60





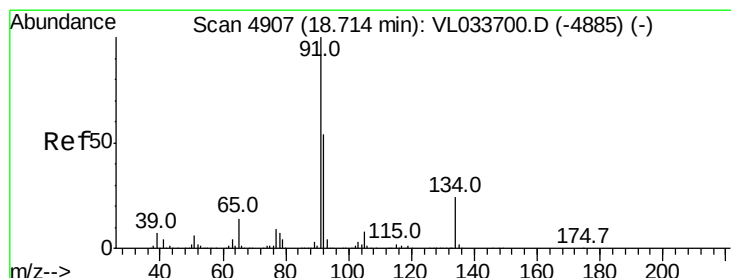
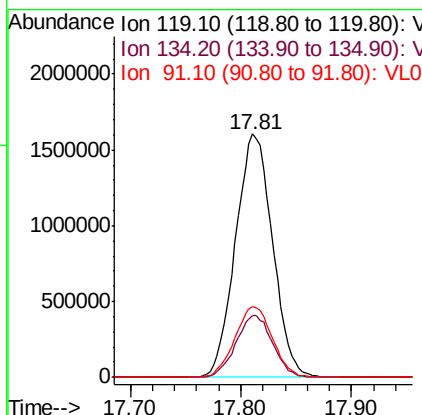
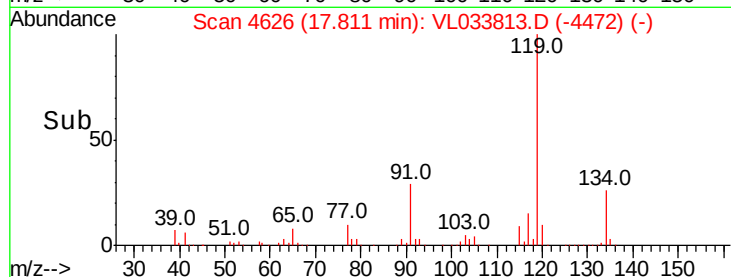
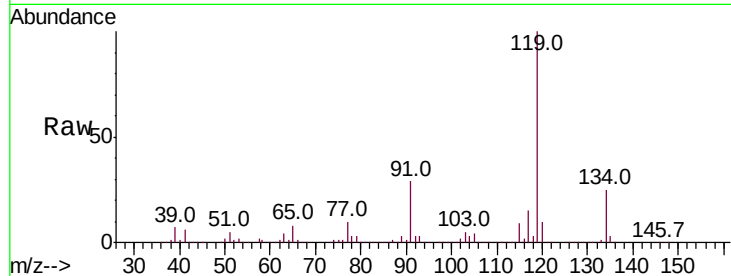
#69
 p-Isopropyltoluene
 Concen: 10.293 ppbv
 RT: 17.81 min Scan# 4626
 Delta R.T. -0.01 min
 Lab File: VL033813.D
 Acq: 28 May 2019 21:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS02

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.3	30.5
91	29.6	23.1	34.7

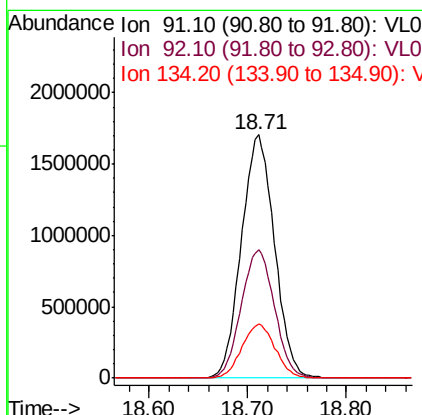
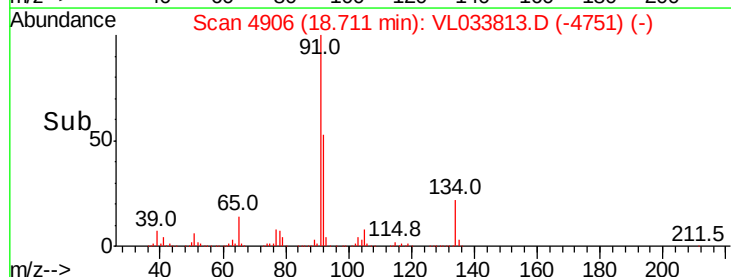
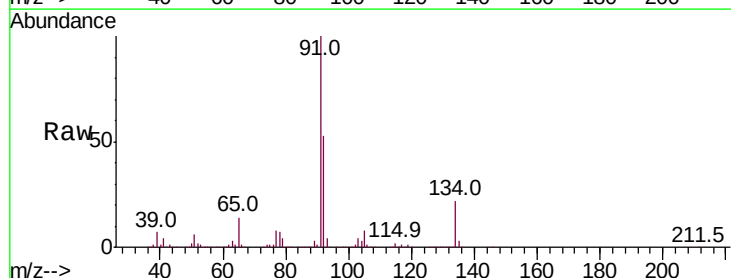
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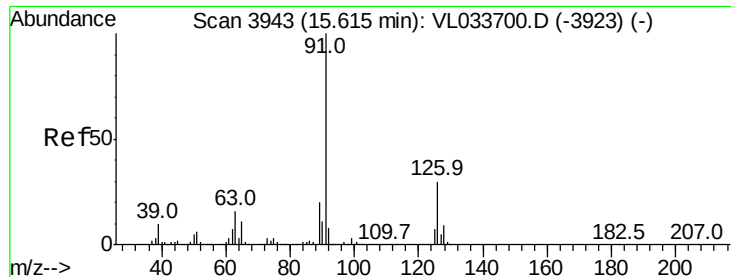
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#70
 n-Butylbenzene
 Concen: 10.162 ppbv
 RT: 18.71 min Scan# 4906
 Delta R.T. -0.00 min
 Lab File: VL033813.D
 Acq: 28 May 2019 21:14

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.2	42.6	63.8
134	22.3	18.1	27.1





#71

2-Chlorotoluene

Concen: 10.214 ppbv

RT: 15.61 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS02

Tot Ion: 91 Resp: 2603009

Ion Ratio Lower Upper

91 100

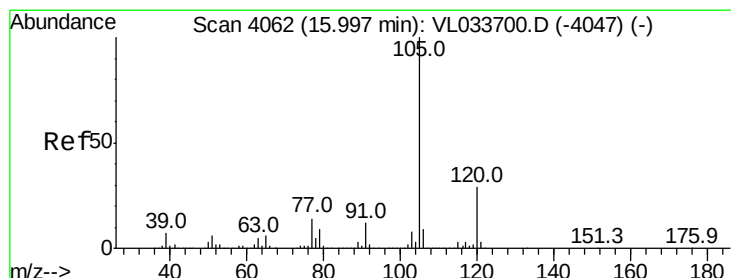
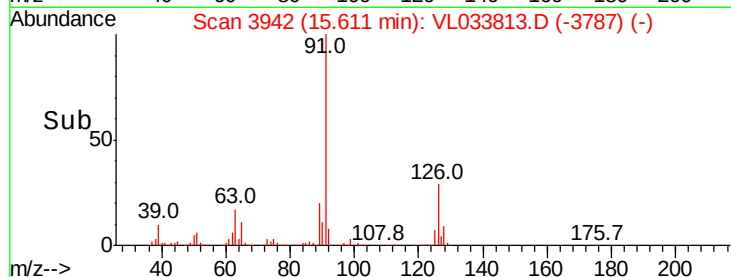
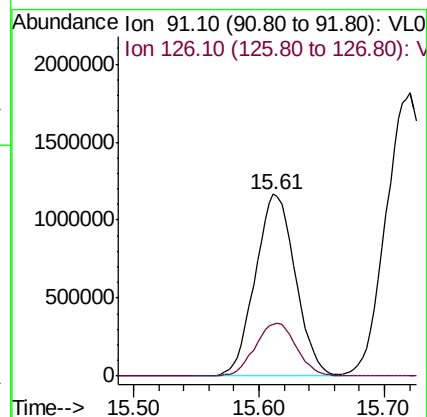
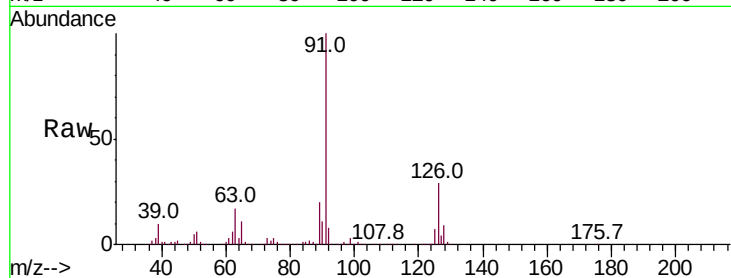
126 29.6 12.0 47.8

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#72

4-Ethyltoluene

Concen: 10.366 ppbv

RT: 15.99 min Scan# 4061

Delta R.T. -0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Tgt Ion:105 Resp: 3023333

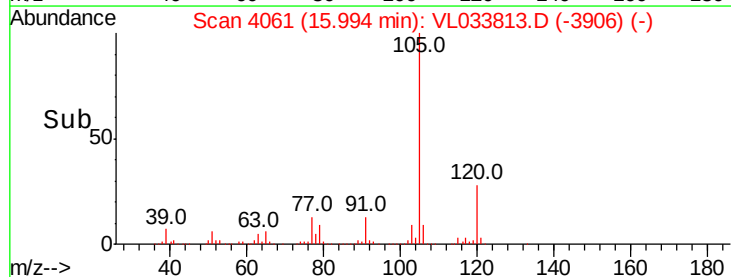
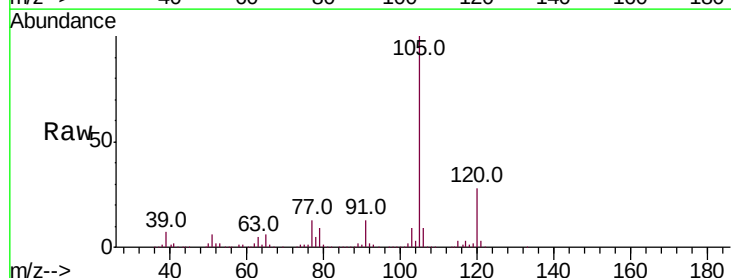
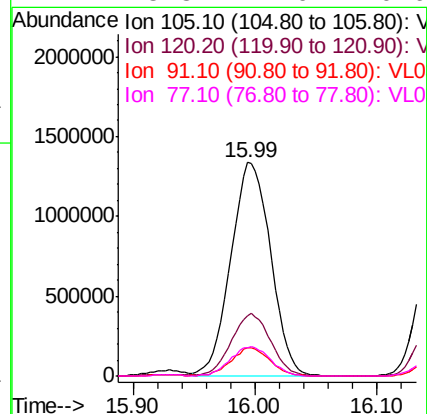
Ion Ratio Lower Upper

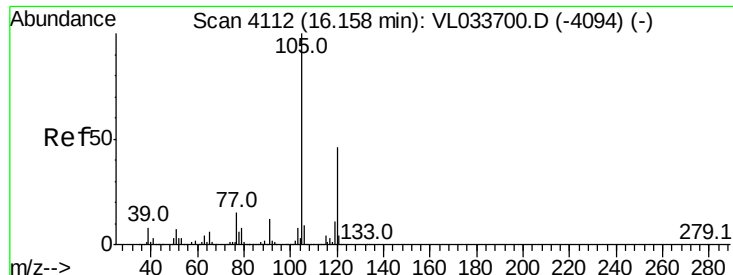
105 100

120 28.9 23.1 34.7

91 13.4 10.4 15.6

77 13.8 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 10.077 ppbv

RT: 16.15 min Scan# 4110

Delta R.T. -0.01 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Instrument :

MSVOA_L

ClientSampled :

VL0528ABS02

Tot Ion:105 Resp: 2867377

Ion Ratio Lower Upper

105 100

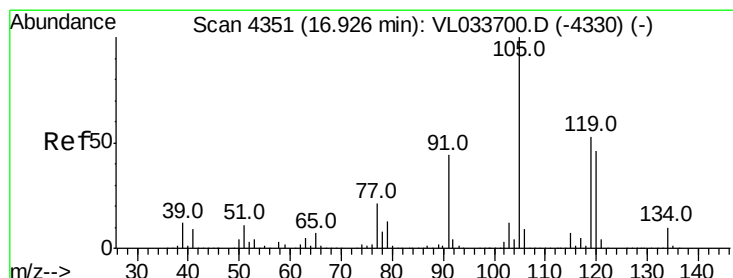
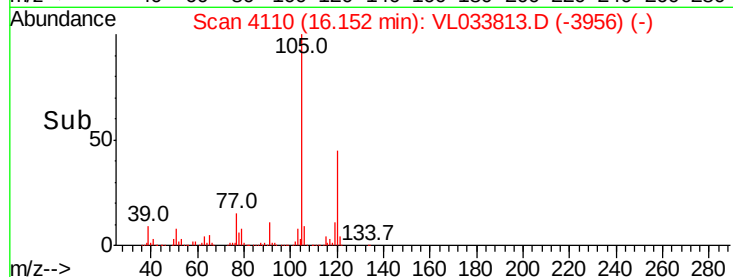
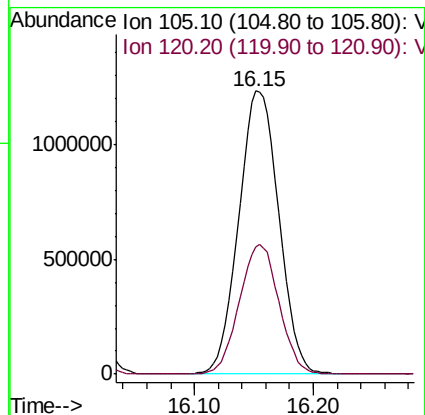
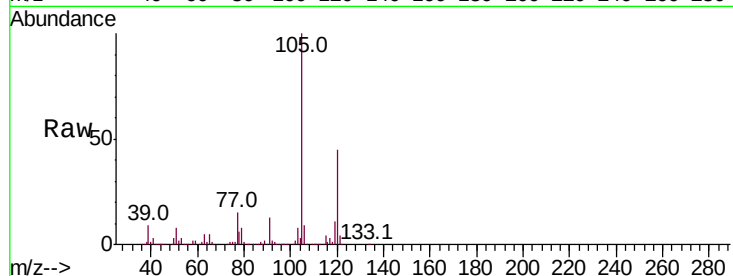
120 44.8 37.0 55.4

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#74

1,2,4-Trimethylbenzene

Concen: 9.772 ppbv

RT: 16.92 min Scan# 4350

Delta R.T. -0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Tgt Ion:105 Resp: 3026290

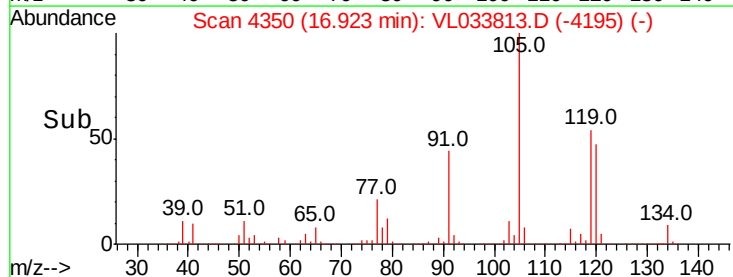
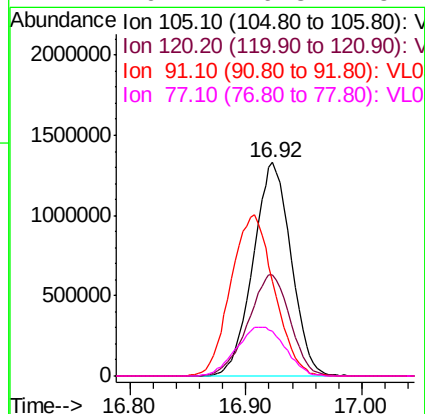
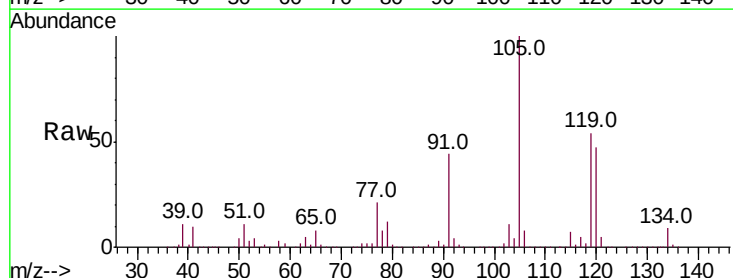
Ion Ratio Lower Upper

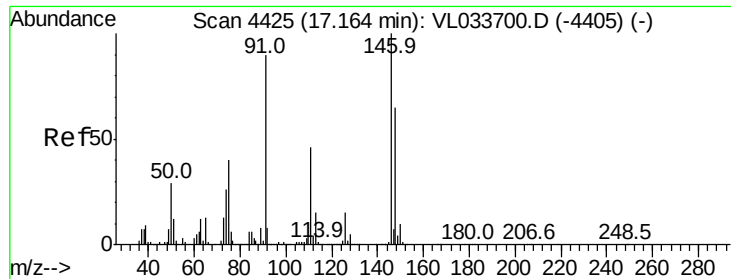
105 100

120 47.3 36.8 55.2

91 44.2 35.4 53.0

77 20.7 16.8 25.2





#75

1,3-Dichlorobenzene

Concen: 9.307 ppbv

RT: 17.16 min Scan# 4424

Delta R.T. -0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Instrument :

MSVOA_L

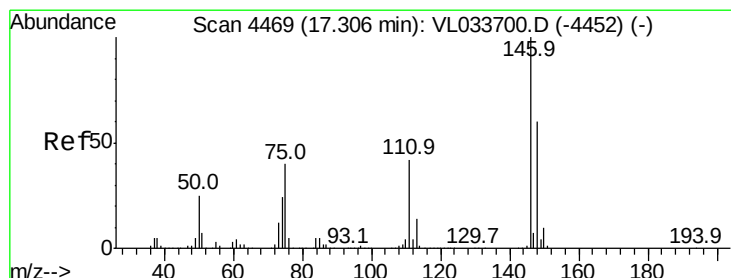
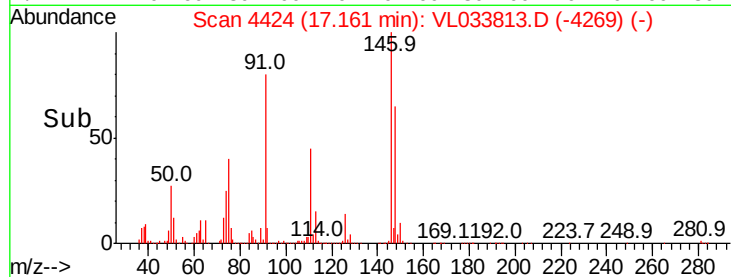
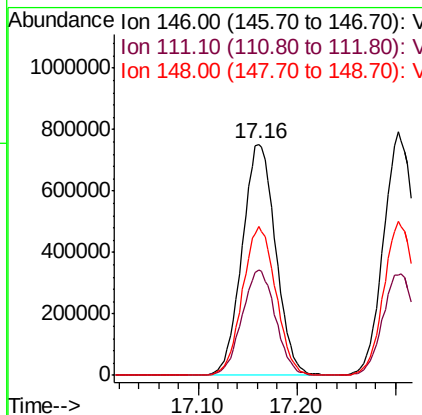
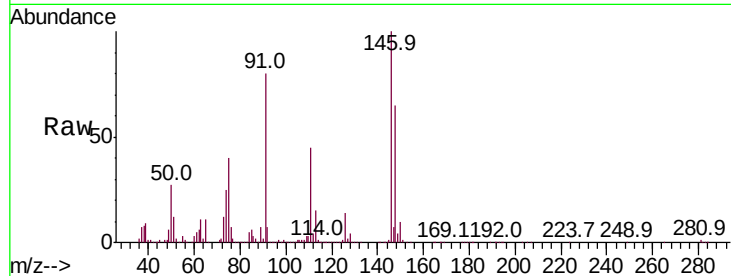
ClientSampled :

VL0528ABS02

Tot Ion:	146	Resp:	1766221
Ion	Ratio	Lower	Upper
146	100		
111	45.5	22.9	68.8
148	63.9	32.0	96.2

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#76

1,4-Dichlorobenzene

Concen: 9.688 ppbv

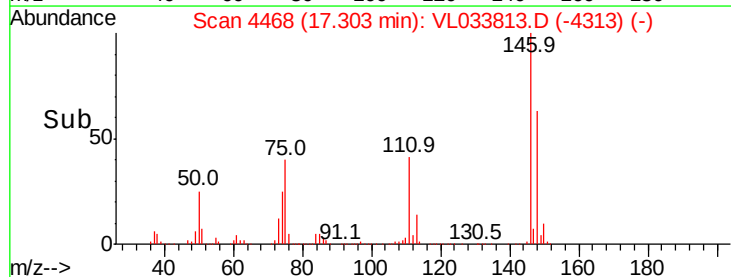
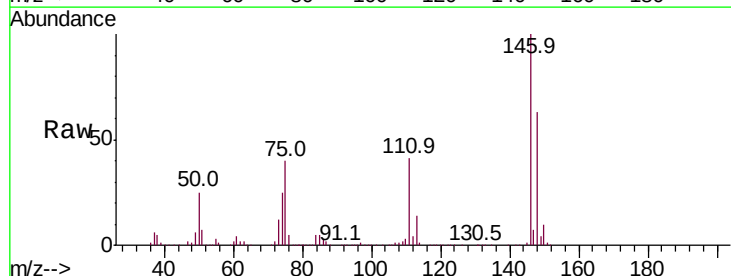
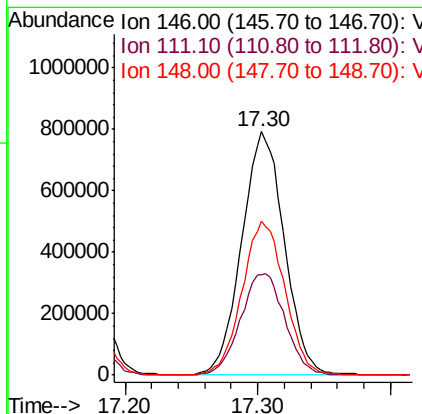
RT: 17.30 min Scan# 4468

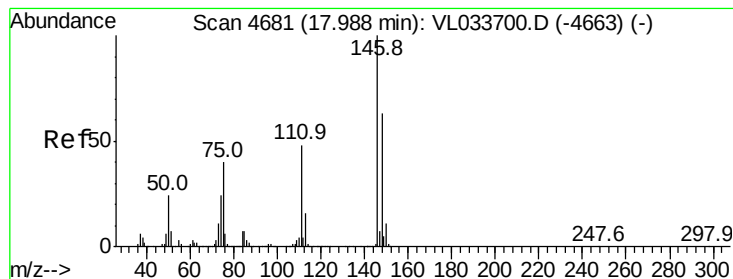
Delta R.T. -0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Tgt Ion:	146	Resp:	1747287
Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.9	65.8
148	64.6	32.1	96.3





#77

1,2-Dichlorobenzene

Concen: 9.598 ppbv

RT: 17.98 min Scan# 4680

Delta R.T. -0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Instrument :

MSVOA_L

ClientSampleId :

VL0528ABS02

Tot Ion:146 Resp: 1711369

Ion Ratio Lower Upper

146 100

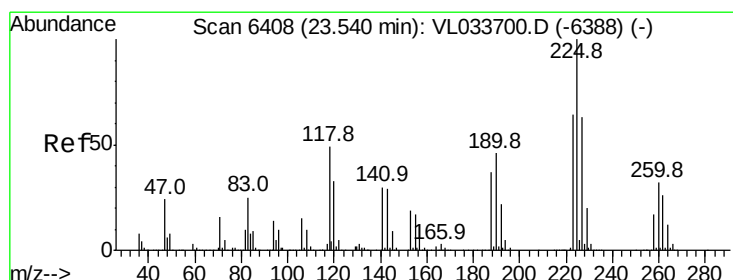
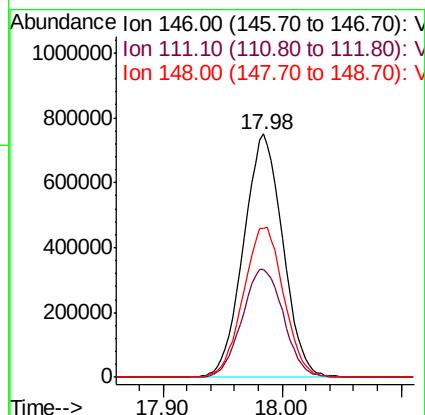
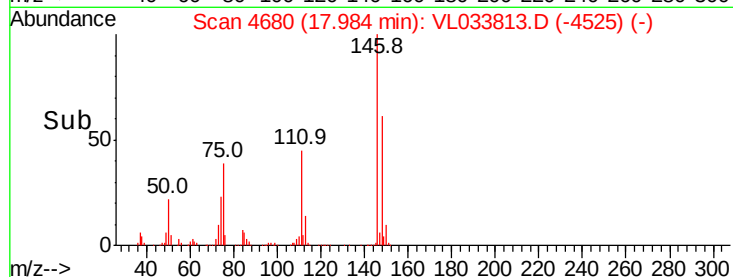
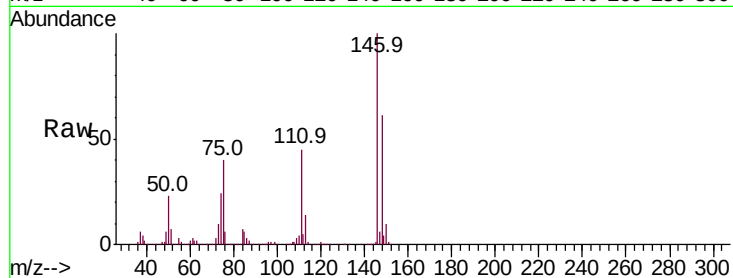
111 46.8 23.5 70.5

148 63.8 32.1 96.3

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#78

Hexachloro-1,3-Butadiene

Concen: 7.363 ppbv

RT: 23.53 min Scan# 6406

Delta R.T. -0.01 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

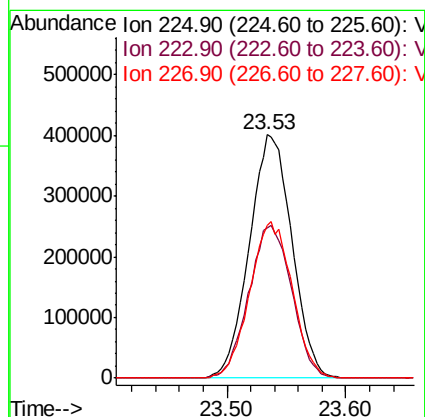
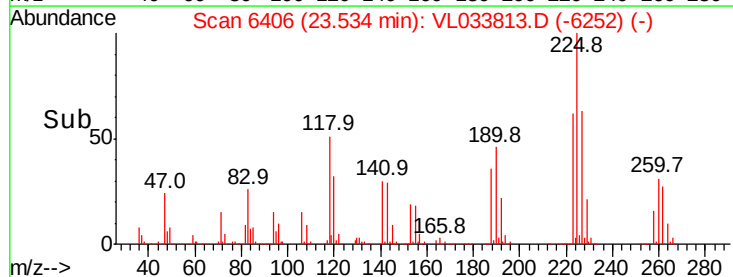
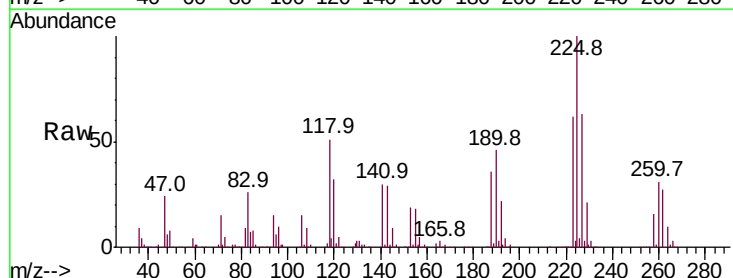
Tgt Ion:225 Resp: 992698

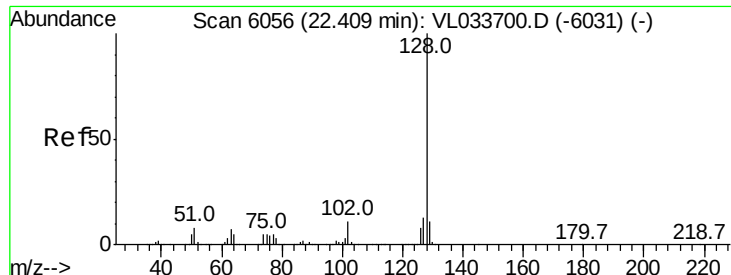
Ion Ratio Lower Upper

225 100

223 63.3 50.2 75.4

227 64.1 50.7 76.1





#79

Naphthalene

Concen: 8.011 ppbv

RT: 22.41 min Scan# 6055

Delta R.T. -0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Instrument :

MSVOA_L

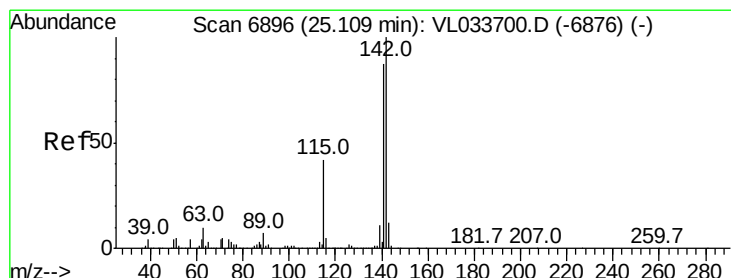
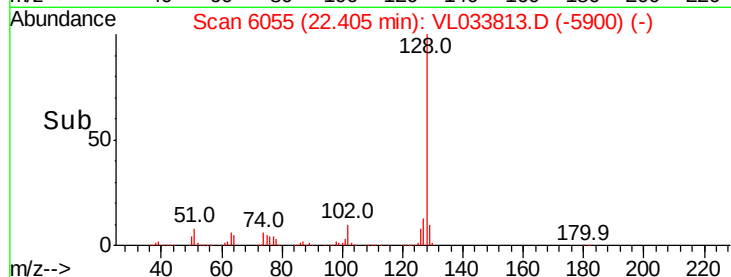
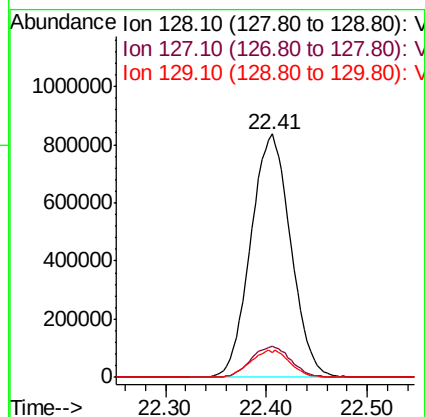
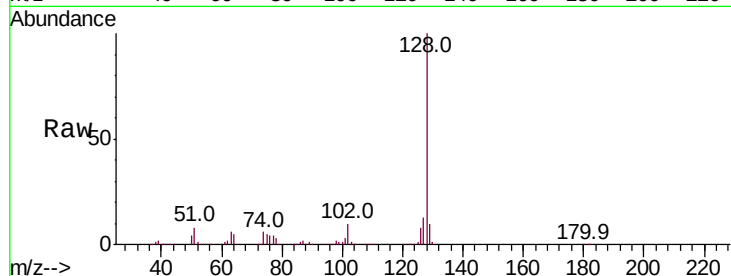
ClientSampleId :

VL0528ABS02

Tot Ion:	128	Resp:	2304343
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	16.0
129	10.3	8.9	13.3

Manual Integrations
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#80

Naphthalene, 2-methyl-

Concen: 6.058 ppbv

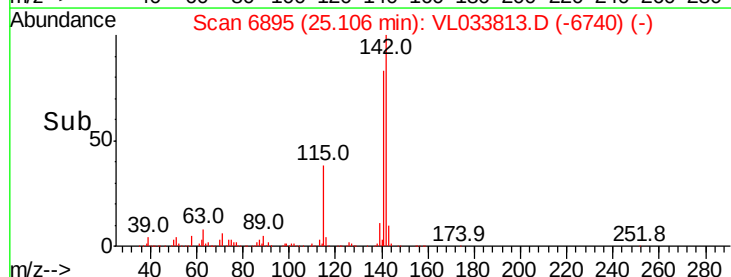
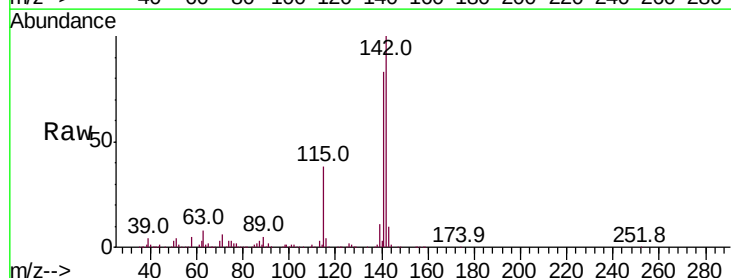
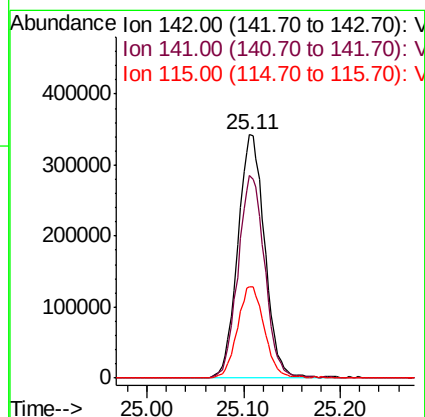
RT: 25.11 min Scan# 6895

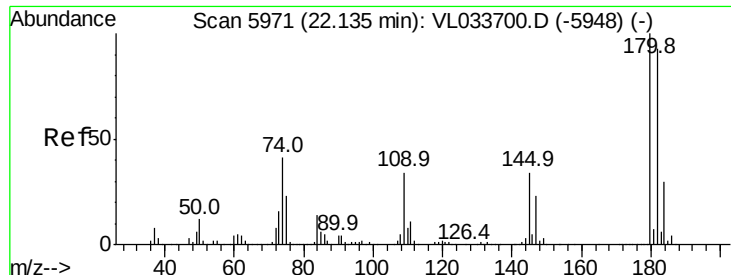
Delta R.T. -0.00 min

Lab File: VL033813.D

Acq: 28 May 2019 21:14

Tgt Ion:	142	Resp:	662106
Ion	Ratio	Lower	Upper
142	100		
141	82.9	67.2	100.8
115	37.9	34.1	51.1





#81
 1,2,4-Trichlorobenzene
 Concen: 8.070 ppbv
 RT: 22.13 min Scan# 5969
 Delta R.T. -0.01 min
 Lab File: VL033813.D
 Acq: 28 May 2019 21:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0528ABS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.1	114.1
184	30.1	24.6	37.0

Manual Integrations
 APPROVED

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 5/29/2019 12:40:40 PM

