

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052319\
 Data File : VL033769.D
 Acq On : 23 May 2019 10:25
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 2:53:15 AM

Quant Time: May 24 04:42:10 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	923100	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2172776	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2331950	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1833059	9.70	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	1540925	7.921	ppbv	99
3) Chlorodifluoromethane	3.01	51	1089649	10.305	ppbv	99
4) Chloromethane	3.16	50	621057	10.269	ppbv	98
5) Vinyl Chloride	3.29	62	631458	10.250	ppbv	99
6) Bromomethane	3.51	94	401313	10.676	ppbv	96
7) Chloroethane	3.60	64	235683	10.765	ppbv	100
8) Dichlorotetrafluoroethane	3.21	85	1620248	10.331	ppbv	100
9) Propene	3.03	41	469768	10.445	ppbv	100
10) Heptane	8.24	43	1329110	10.436	ppbv	99
11) Trichlorofluoromethane	4.00	101	1925431	10.370	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1299456	10.022	ppbv	100
13) Ethanol	3.65	45	77891	5.358	ppbv	94
14) Bromoethene	3.78	108	521055	10.931	ppbv	99
15) Acetone	3.89	43	1192732	9.313	ppbv	99
16) 1,3-Butadiene	3.36	39	557731	10.935	ppbv	100
17) tert-Butyl alcohol	4.35	59	1005431	9.708	ppbv	100
18) 1,1-Dichloroethene	4.34	96	572278	10.457	ppbv	99
19) Isopropyl Alcohol	4.02	45	714696	8.655	ppbv #	98
20) Methylene Chloride	4.40	84	487914	9.894	ppbv	96
21) Allyl Chloride	4.47	41	836459	10.471	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	592722	10.566	ppbv	97
23) Vinyl Acetate	5.15	43	1832933	10.854	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1297273	10.106	ppbv	99
25) Ethyl Acetate	5.76	43	2242405	9.967	ppbv	100
26) Hexane	5.77	57	977826	10.110	ppbv	98
27) Carbon Disulfide	4.62	76	1464063	11.033	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1633418	10.359	ppbv	100
29) Chloroform	5.84	83	1681235	9.436	ppbv	99
30) Cyclohexane	7.24	84	828360	10.187	ppbv	100
31) cis-1,2-Dichloroethene	5.63	61	1012836	10.561	ppbv	98
32) 1,1,1-Trichloroethane	6.61	97	1714145	9.636	ppbv	99
34) 2-Butanone	5.32	43	1449680	10.764	ppbv	100
35) Carbon Tetrachloride	7.13	117	1848489	10.620	ppbv	99
36) Benzene	7.00	78	2012766	10.184	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1303952	10.227	ppbv	100
38) Trichloroethene	7.96	130	859197	11.715	ppbv	98
39) 1,2-Dichloropropane	7.73	63	774767	10.514	ppbv	96
40) 1,4-Dioxane	7.95	88	285057	9.248	ppbv #	95
41) Tetrahydrofuran	6.14	42	804665	10.664	ppbv	100
42) Bromodichloromethane	7.91	83	1930909	11.062	ppbv	95
43) Methyl Methacrylate	8.13	69	858066	11.797	ppbv	99

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

44) 2,2,4-Trimethylpentane	7.98	57	3619903	10.837	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	1098798	11.916	ppbv	99
46) cis-1,3-Dichloropropene	8.83	75	1240409	11.488	ppbv	96
47) 1,1,2-Trichloroethane	9.61	97	857275	10.241	ppbv	99
48) Dibromochloromethane	10.44	129	1565762	10.795	ppbv	99
49) Bromoform	13.19	173	1502761	12.313	ppbv	99
50) 4-Methyl-2-Pentanone	8.86	43	2195384	10.598	ppbv	100
51) 2-Hexanone	10.26	43	1805609	11.168	ppbv #	99
52) Tetrachloroethene	11.36	164	770616	11.092	ppbv	97
53) Toluene	9.94	91	2378312	11.156	ppbv	100
54) 1,2-Dibromoethane	10.75	107	1341486	10.501	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.27	131	1065694	9.876	ppbv	98
57) Chlorobenzene	12.29	112	1866034	9.721	ppbv	97
58) Ethyl Benzene	12.86	91	3334144	10.797	ppbv	100
59) m/p-Xylene	13.14	91	5845864m	21.656	ppbv	
60) o-Xylene	13.84	91	2861613	10.516	ppbv	99
61) Styrene	13.68	104	2133650	11.646	ppbv	99
62) Isopropylbenzene	14.82	105	3787529	10.335	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	2023144	10.223	ppbv	99
64) n-propylbenzene	15.72	120	980681	10.345	ppbv	98
65) tert-Butylbenzene	16.90	119	3493004	10.440	ppbv	99
66) Benzyl Chloride	17.15	91	1784288	11.196	ppbv	100
67) sec-Butylbenzene	17.45	105	4857591	10.372	ppbv	99
69) p-Isopropyltoluene	17.81	119	3984052	10.293	ppbv	99
70) n-Butylbenzene	18.70	91	4104946	9.889	ppbv	100
71) 2-Chlorotoluene	15.60	91	2876777	10.581	ppbv	100
72) 4-Ethyltoluene	15.99	105	3320633	10.673	ppbv	100
73) 1,3,5-Trimethylbenzene	16.15	105	3178390	10.470	ppbv	97
74) 1,2,4-Trimethylbenzene	16.92	105	3337283	10.101	ppbv	98
75) 1,3-Dichlorobenzene	17.15	146	1922302	9.495	ppbv	100
76) 1,4-Dichlorobenzene	17.30	146	1882628	9.784	ppbv	100
77) 1,2-Dichlorobenzene	17.98	146	1848194	9.715	ppbv	99
78) Hexachloro-1,3-Butadiene	23.53	225	1375554	9.564	ppbv	99
79) Naphthalene	22.40	128	2784591	9.074	ppbv	99
80) Naphthalene, 2-methyl-	25.10	142	1237710	10.615	ppbv	99
81) 1,2,4-Trichlorobenzene	22.12	180	1568916	8.731	ppbv	99

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

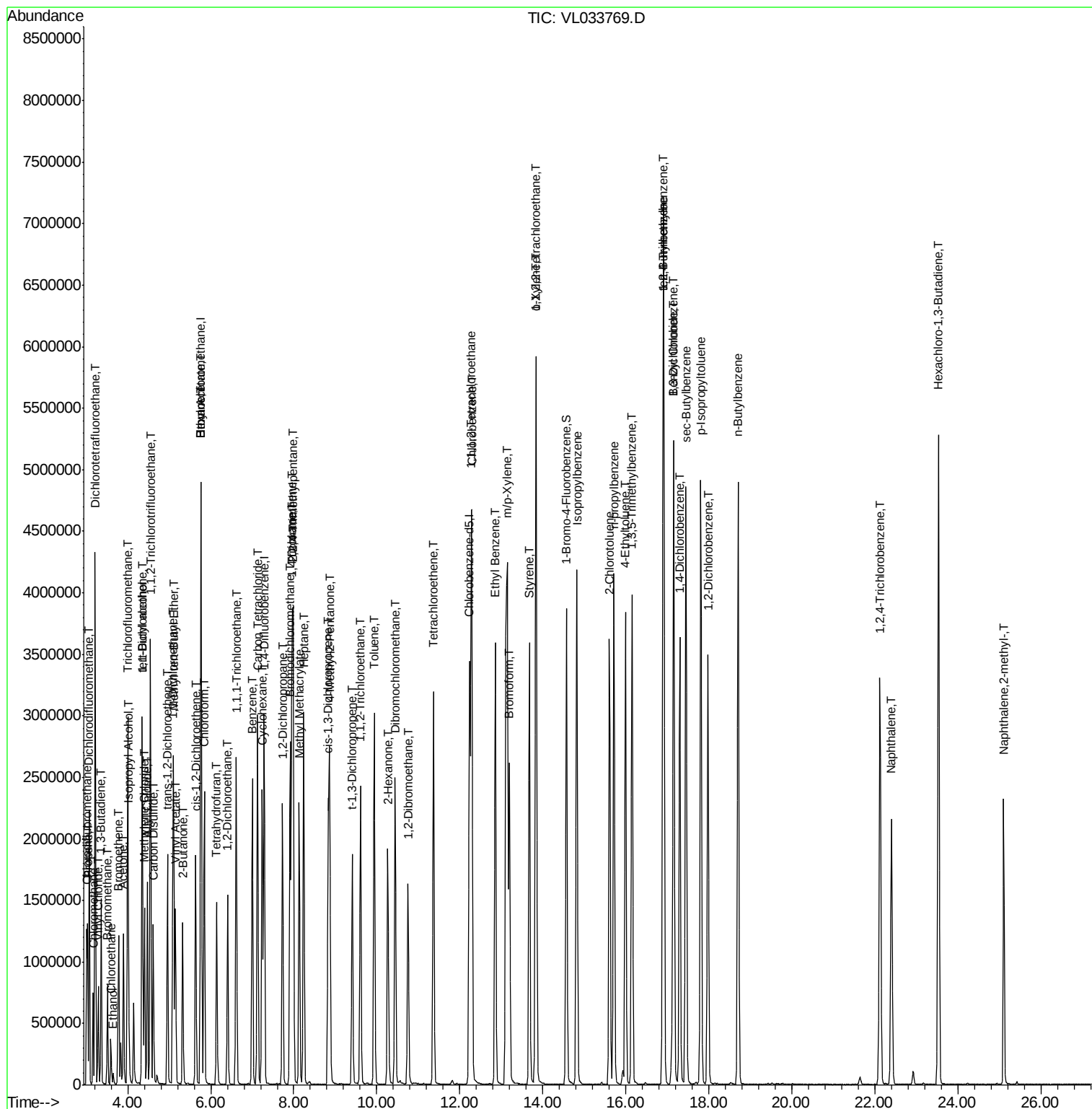
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052319\
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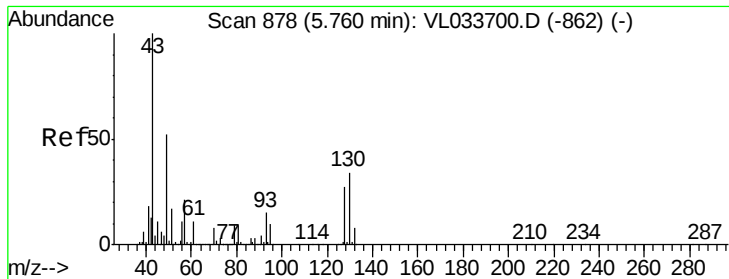
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.00 min

Lab File: VL033769.D

Acq: 23 May 2019 10:25

Instrument :

MSVOA_L

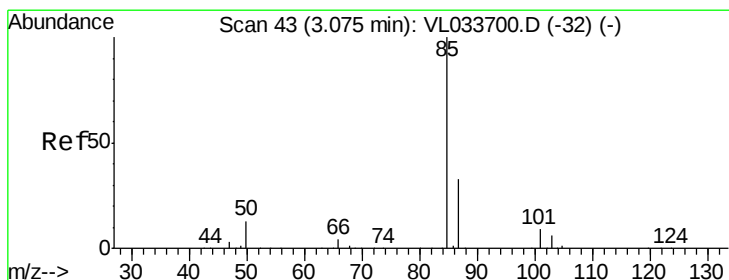
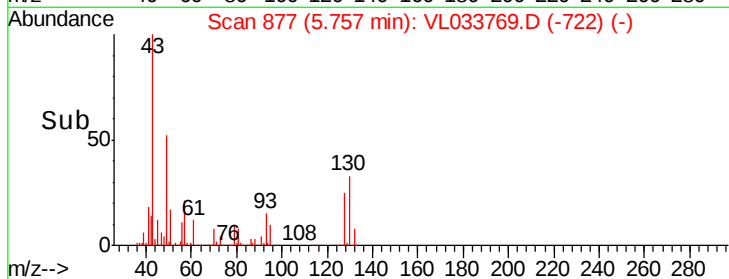
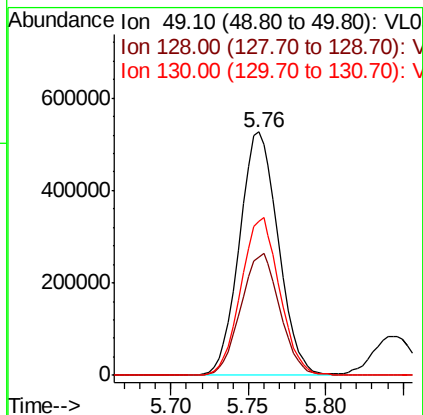
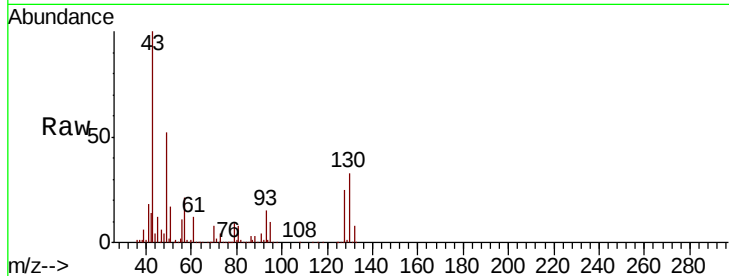
ClientSampleId :

VSTDCCC010

Tot Ion:	49	Resp:	923100
Ion	Ratio	Lower	Upper
49	100		
128	50.3	25.2	75.6
130	64.4	32.5	97.5

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#2

Dichlorodifluoromethane

Concen: 7.921 ppbv

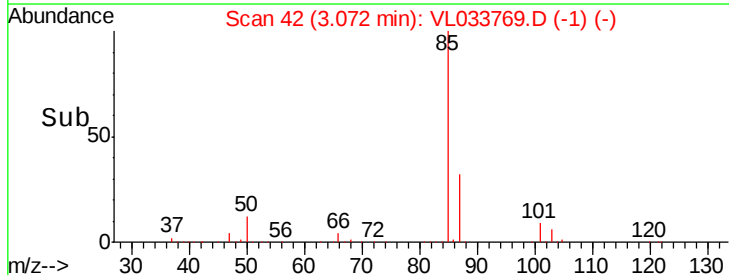
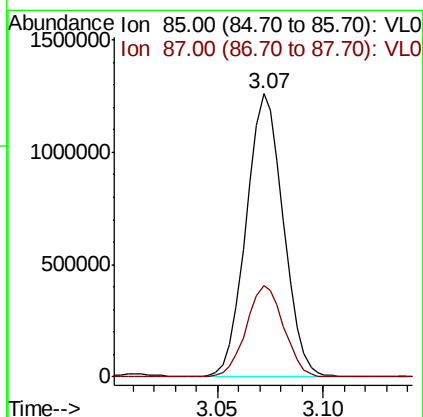
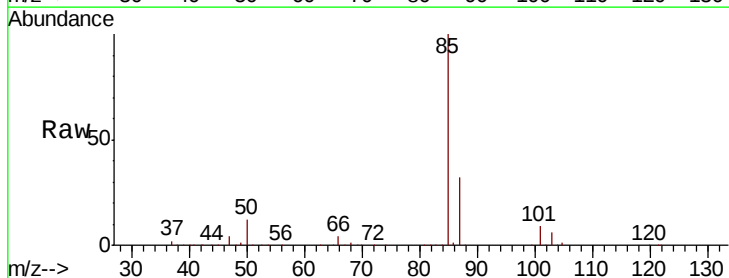
RT: 3.07 min Scan# 42

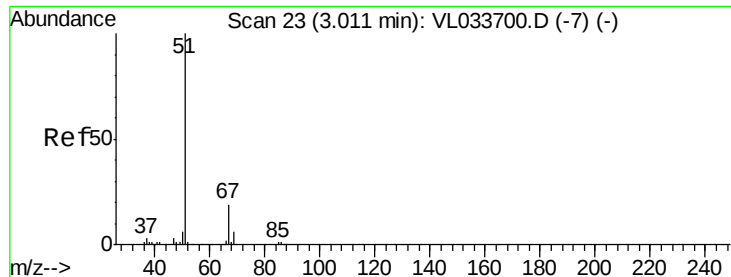
Delta R.T. -0.00 min

Lab File: VL033769.D

Acq: 23 May 2019 10:25

Tgt Ion:	85	Resp:	1540925
Ion	Ratio	Lower	Upper
85	100		
87	32.4	26.3	39.5





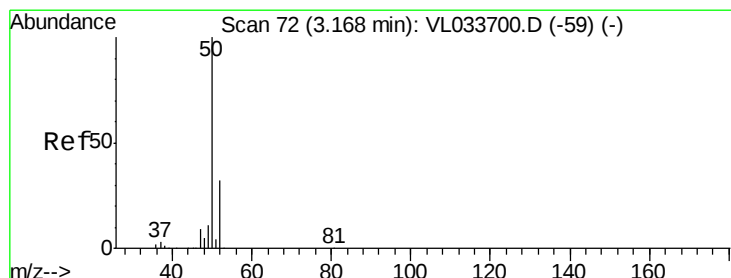
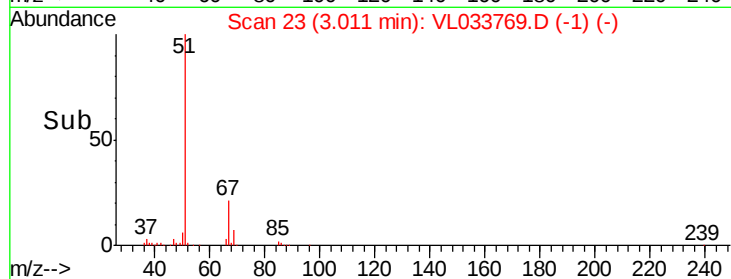
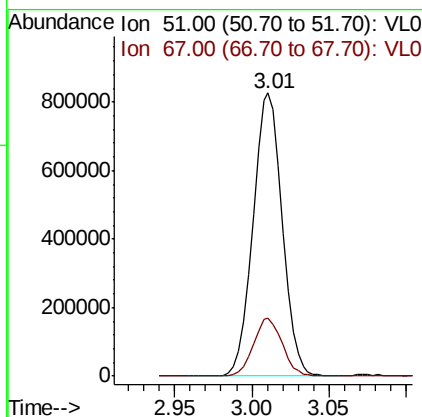
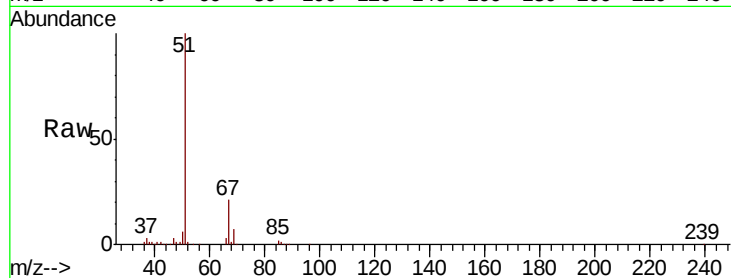
#3
Chlorodifluoromethane
Concen: 10.305 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033769.D
Acq: 23 May 2019 10:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 51 Resp: 1089649
Ion Ratio Lower Upper
51 100
67 20.1 15.6 23.4

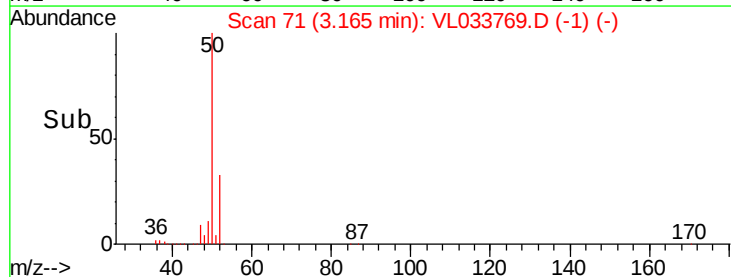
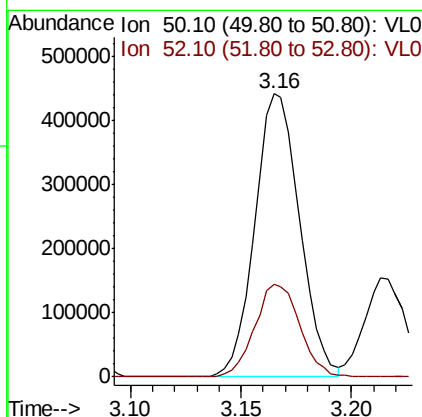
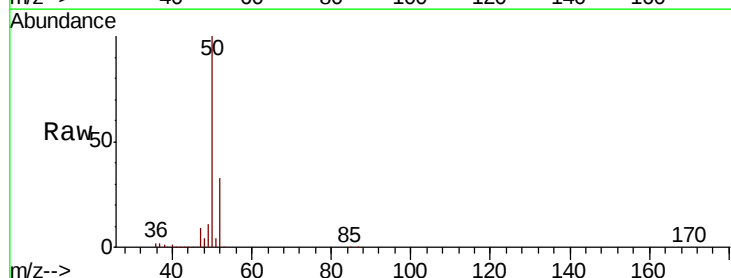
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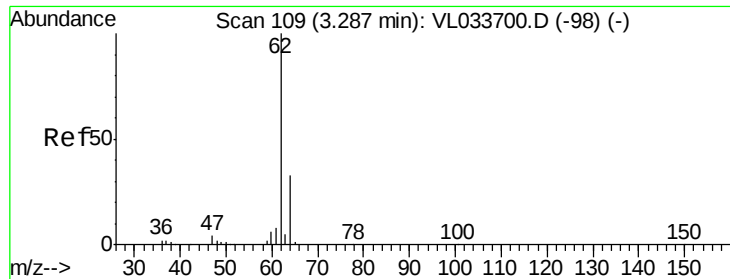
MMDadoda
5/28/2019 2:53:15 AM



#4
Chloromethane
Concen: 10.269 ppbv
RT: 3.16 min Scan# 71
Delta R.T. -0.00 min
Lab File: VL033769.D
Acq: 23 May 2019 10:25

Tgt Ion: 50 Resp: 621057
Ion Ratio Lower Upper
50 100
52 32.9 25.7 38.5





#5

Vinyl Chloride

Concen: 10.250 ppbv

RT: 3.29 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL033769.D

Acq: 23 May 2019 10:25

Instrument :

MSVOA_L

ClientSampled :

VSTDCCC010

Tot Ion: 62 Resp: 631458

Ion Ratio Lower Upper

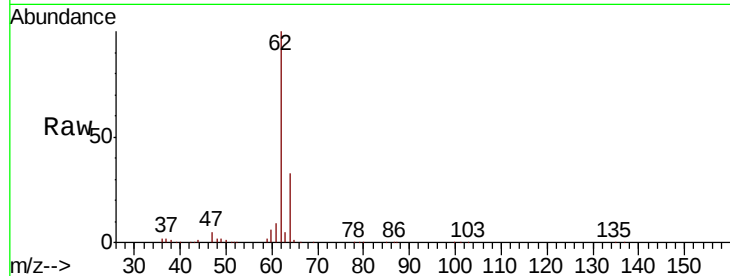
62 100

64 32.6 26.4 39.6

Manual Integrations
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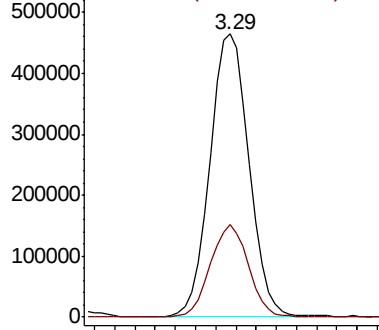
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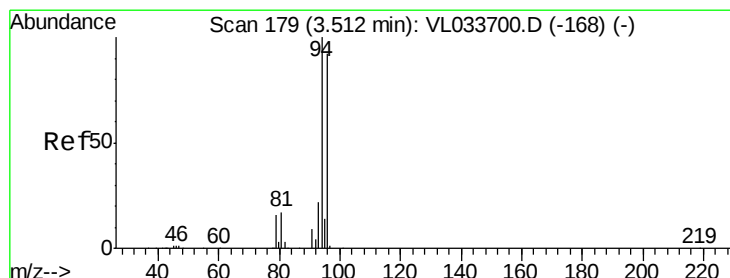
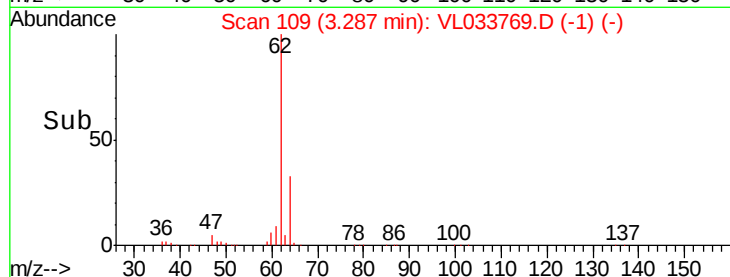


Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



Time-->



#6

Bromomethane

Concen: 10.676 ppbv

RT: 3.51 min Scan# 178

Delta R.T. -0.00 min

Lab File: VL033769.D

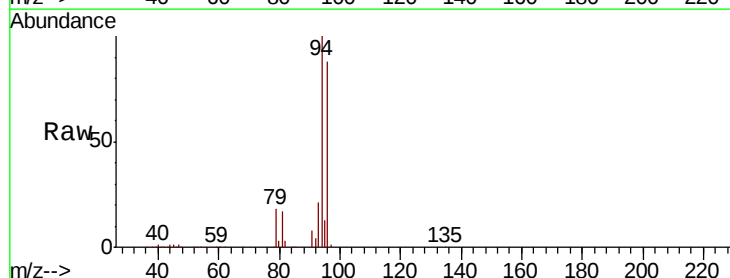
Acq: 23 May 2019 10:25

Tgt Ion: 94 Resp: 401313

Ion Ratio Lower Upper

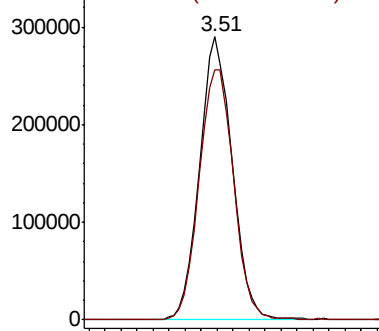
94 100

96 88.1 73.6 110.4

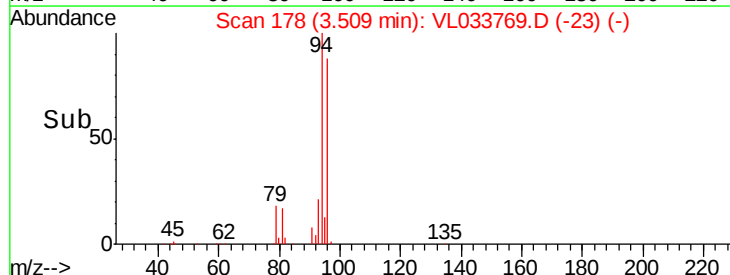


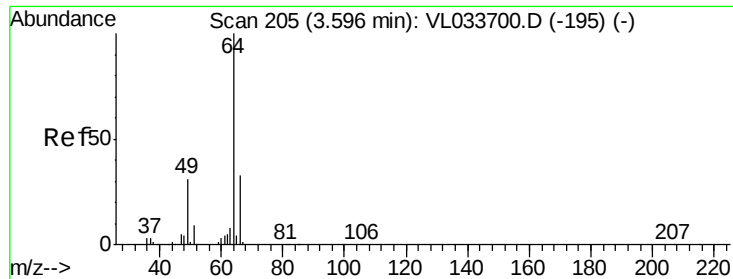
Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0



Time-->





#7

Chloroethane

Concen: 10.765 ppbv

RT: 3.60 min Scan# 205

Delta R.T. 0.00 min

Lab File: VL033769.D

Acq: 23 May 2019 10:25

Instrument :

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VSTDCCC010

Tot Ion: 64 Resp: 235683

Ion Ratio Lower Upper

64 100

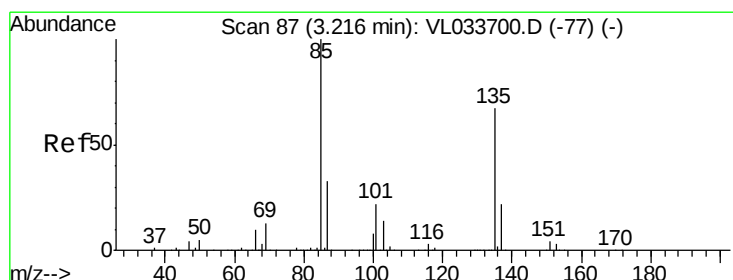
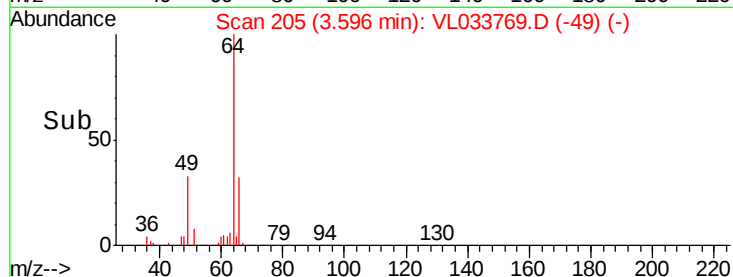
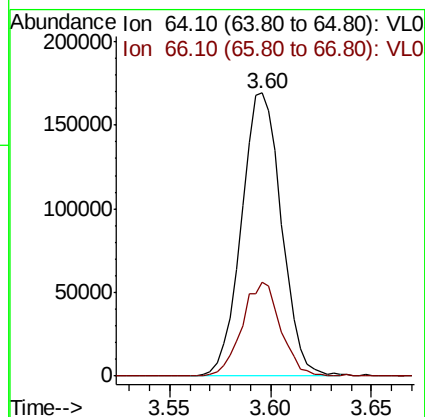
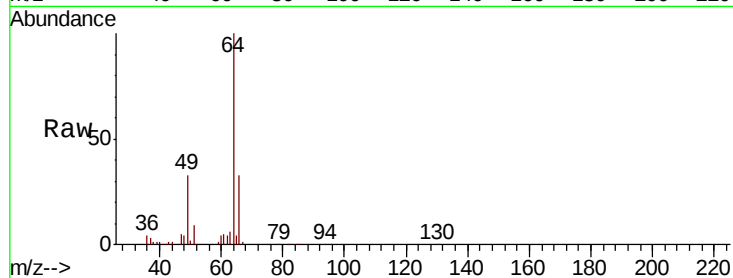
66 33.0 26.6 40.0

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#8

Dichlorotetrafluoroethane

Concen: 10.331 ppbv

RT: 3.21 min Scan# 86

Delta R.T. -0.00 min

Lab File: VL033769.D

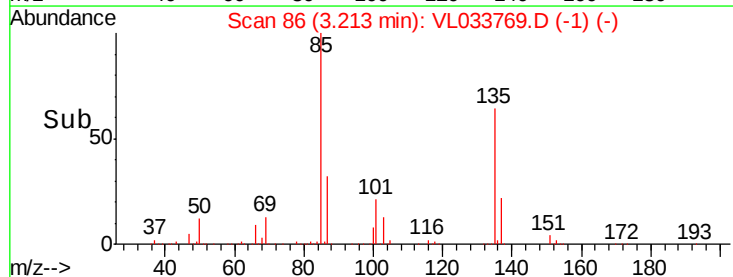
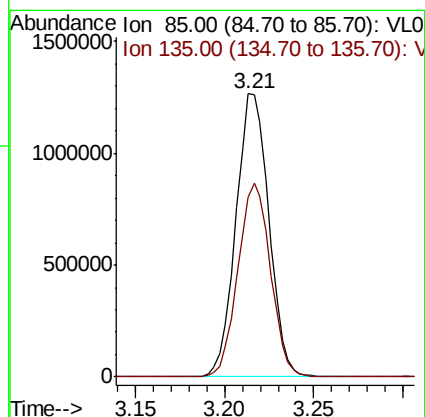
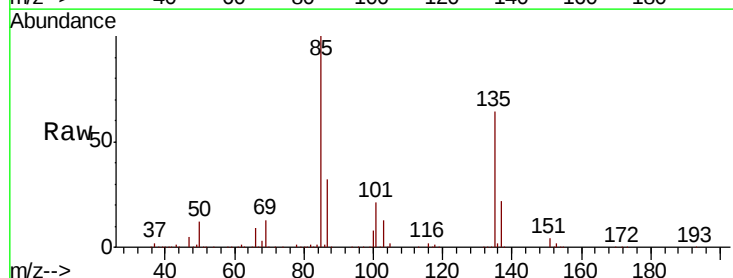
Acq: 23 May 2019 10:25

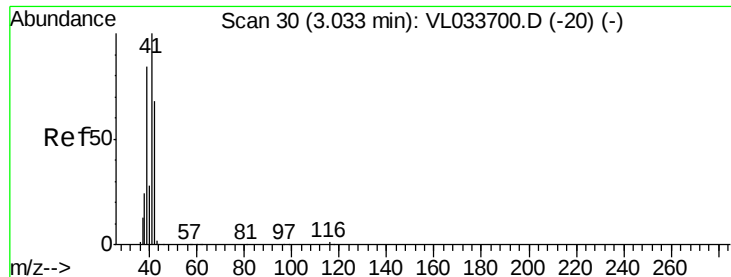
Tgt Ion: 85 Resp: 1620248

Ion Ratio Lower Upper

85 100

135 67.9 54.5 81.7





#9

Propene

Concen: 10.445 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033769.D

Acq: 23 May 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 469768

Ion Ratio Lower Upper

41 100

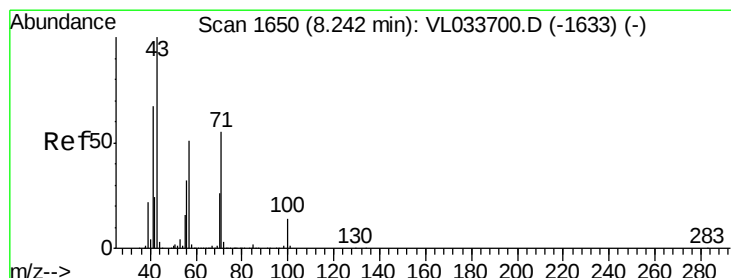
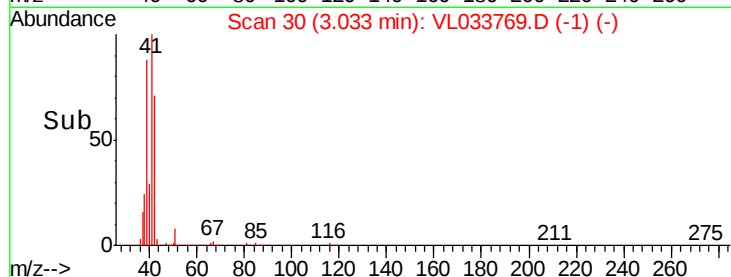
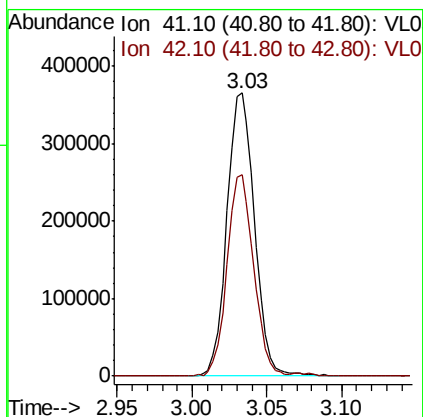
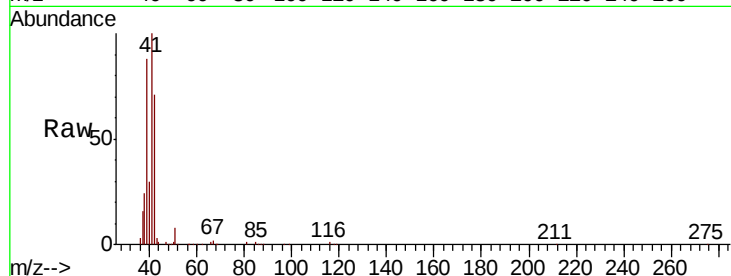
42 69.7 56.1 84.1

Manual Integrations

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#10

Heptane

Concen: 10.436 ppbv

RT: 8.24 min Scan# 1649

Delta R.T. -0.00 min

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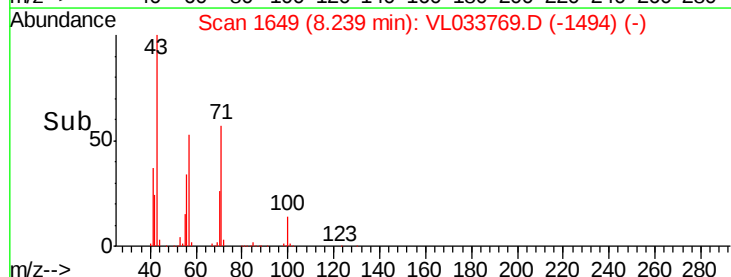
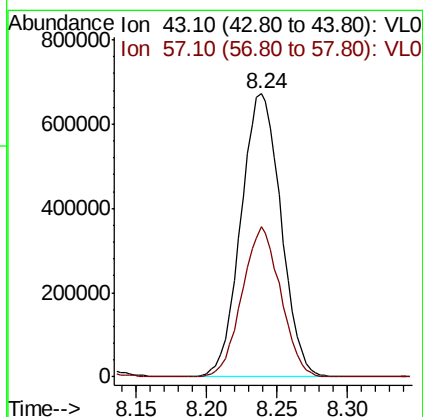
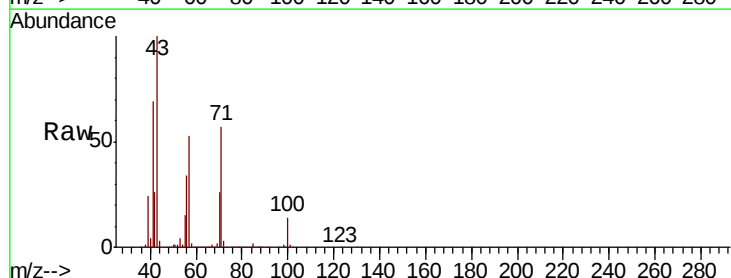
Acq: 23 May 2019 10:25

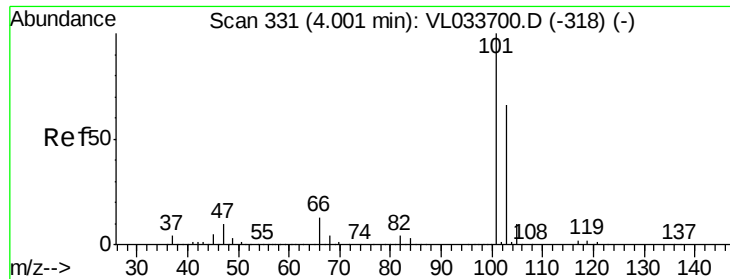
Tgt Ion: 43 Resp: 1329110

Ion Ratio Lower Upper

43 100

57 51.2 41.4 62.0





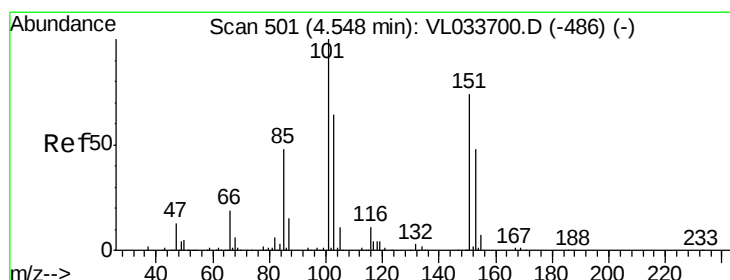
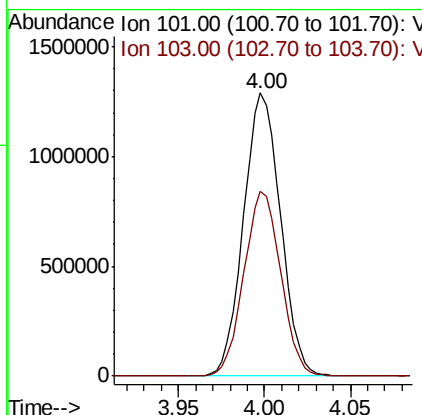
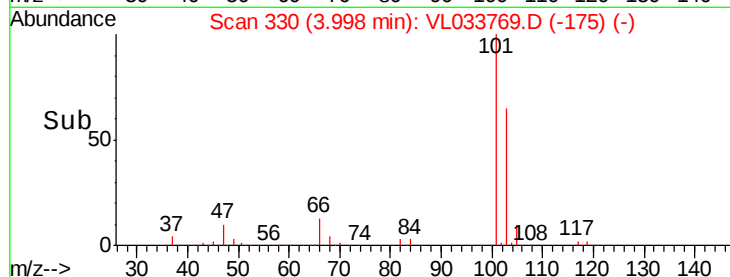
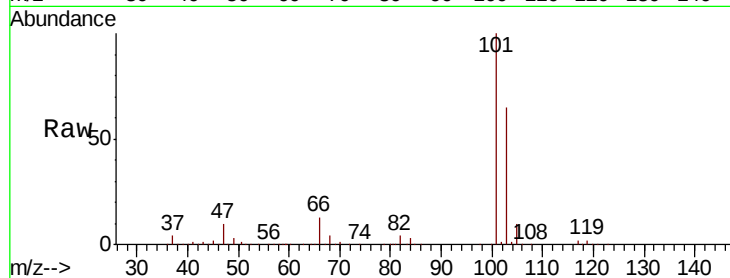
#11
 Trichlorofluoromethane
 Concen: 10.370 ppbv
 RT: 4.00 min Scan# 330
 Delta R.T. -0.00 min
 Lab File: VL033769.D
 Acq: 23 May 2019 10:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1925431
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.6 78.8

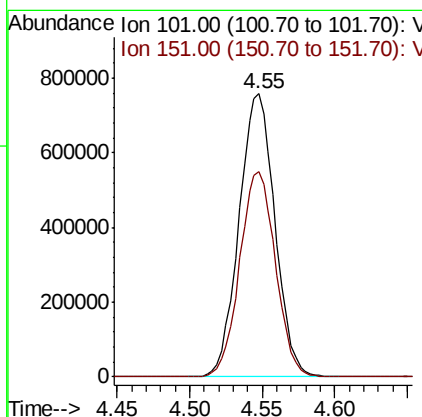
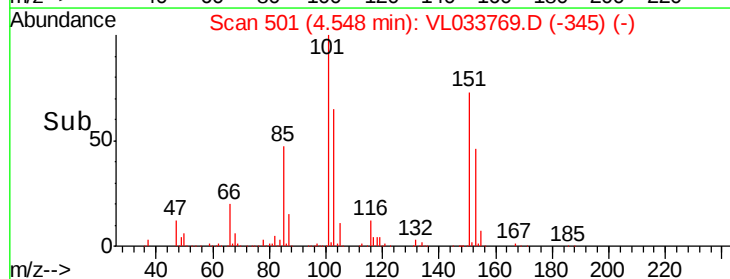
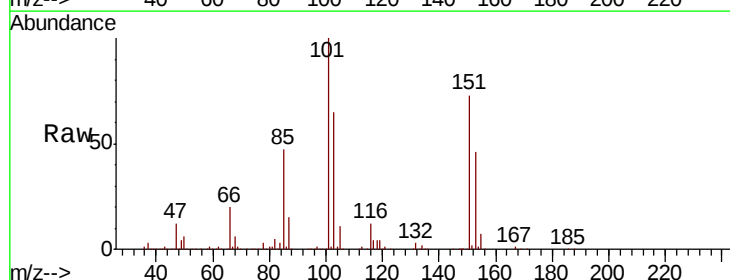
Manual Integrations
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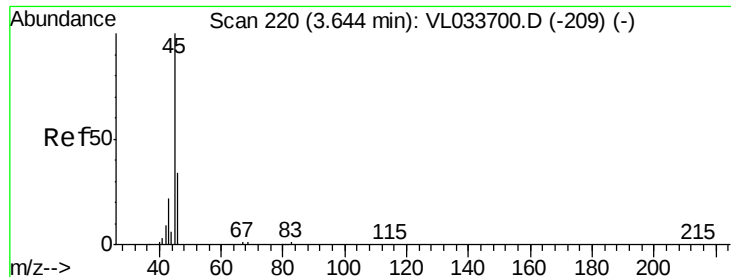
MMDadoda
 5/28/2019 2:53:15 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.022 ppbv
 RT: 4.55 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VL033769.D
 Acq: 23 May 2019 10:25

Tgt Ion:101 Resp: 1299456
 Ion Ratio Lower Upper
 101 100
 151 72.7 58.2 87.4





#13

Ethanol

Concen: 5.358 ppbv

RT: 3.65 min Scan# 221

Delta R.T. 0.00 min

Lab File: VL033769.D

Acq: 23 May 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 77891

Ion Ratio Lower Upper

45 100

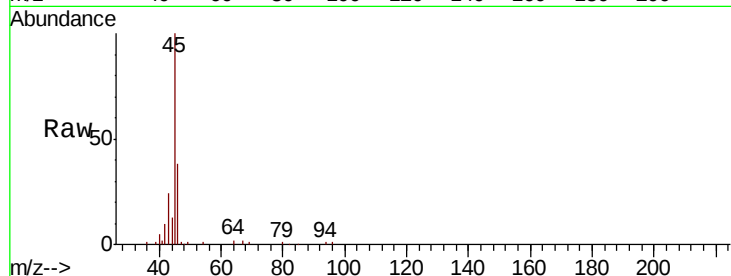
46 40.3 14.8 59.0

Manual Integrations

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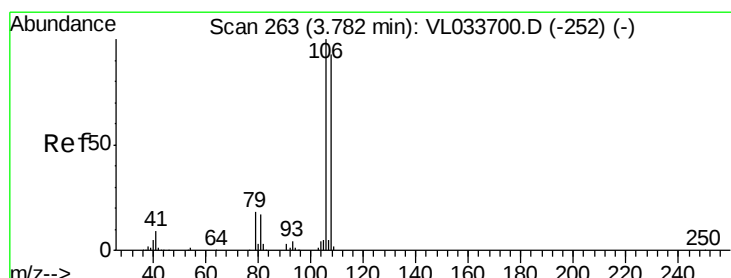
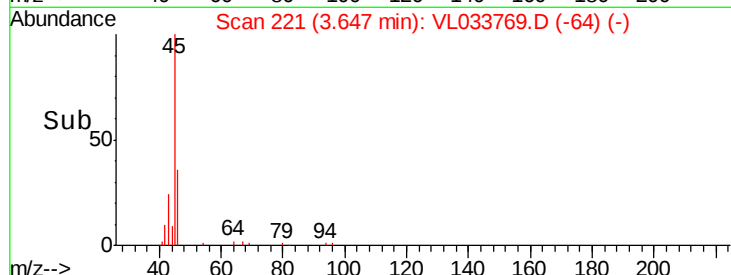
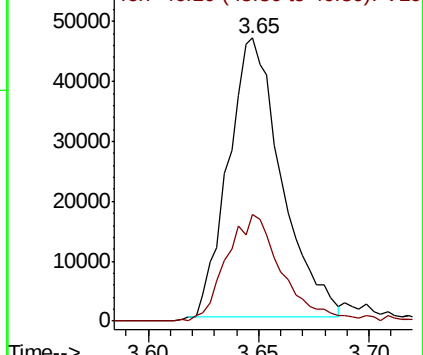
MMDadoda

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 10.931 ppbv

RT: 3.78 min Scan# 263

Delta R.T. 0.00 min

Lab File: VL033769.D

Acq: 23 May 2019 10:25

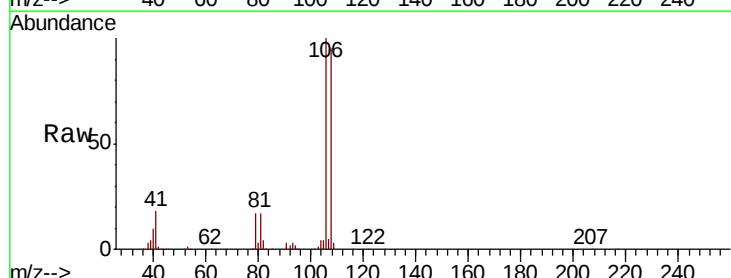
Tgt Ion: 108 Resp: 521055

Ion Ratio Lower Upper

108 100

106 106.9 86.5 129.7

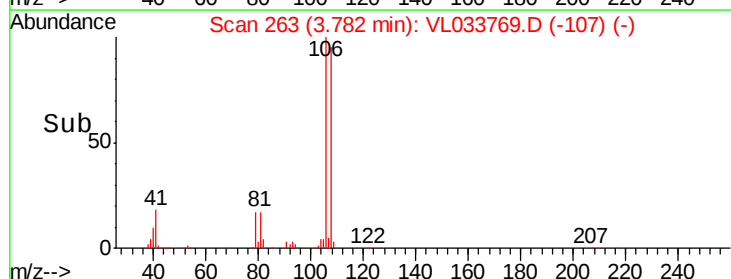
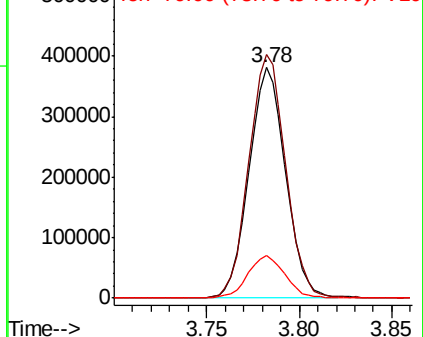
79 18.8 15.1 22.7

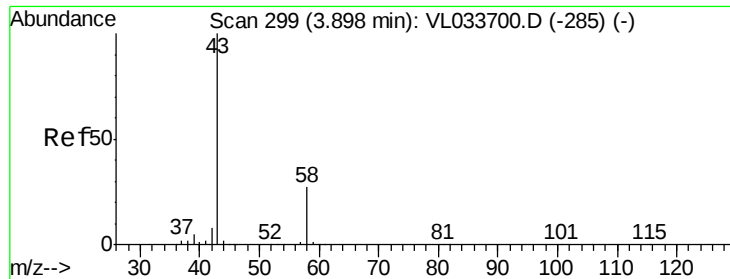


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 9.313 ppbv

RT: 3.89 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL033769.D

Acq: 23 May 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1192732

Ion Ratio Lower Upper

43 100

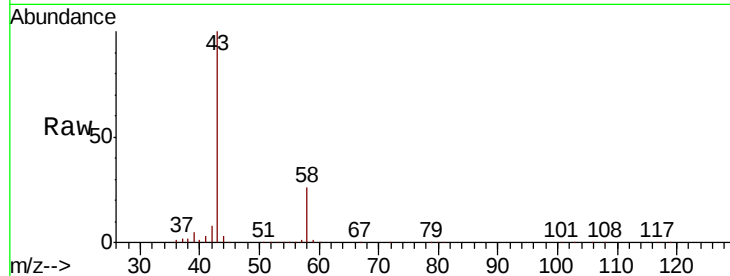
58 26.2 21.3 31.9

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.89

800000

600000

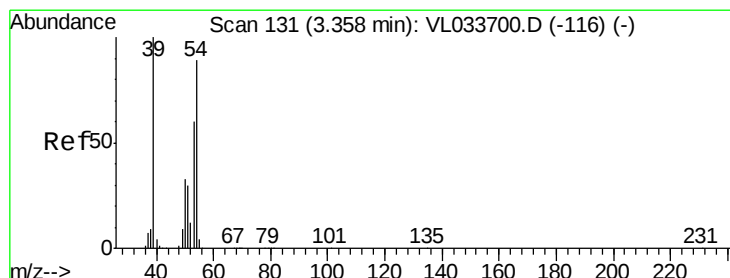
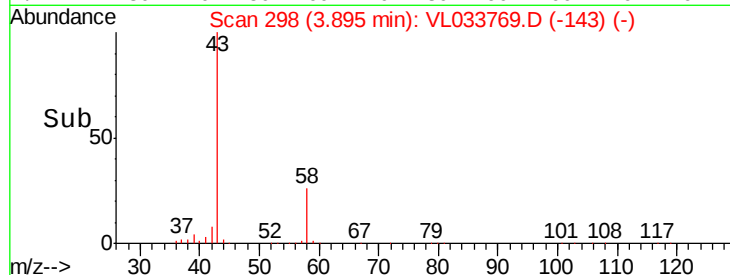
400000

200000

0

Time-->

3.85 3.90 3.95



#16

1,3-Butadiene

Concen: 10.935 ppbv

RT: 3.36 min Scan# 131

Delta R.T. 0.00 min

Lab File: VL033769.D

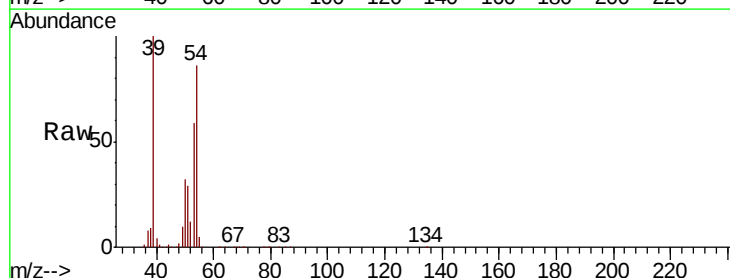
Acq: 23 May 2019 10:25

Tgt Ion: 39 Resp: 557731

Ion Ratio Lower Upper

39 100

54 85.9 69.0 103.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.36

500000

400000

300000

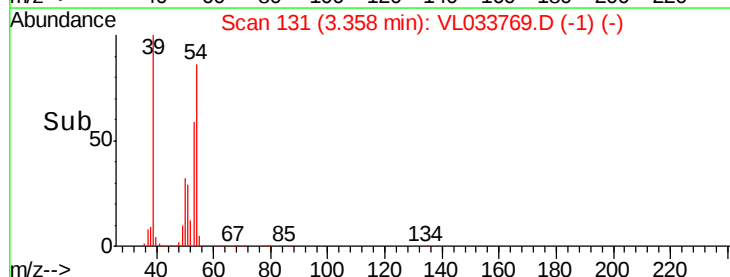
200000

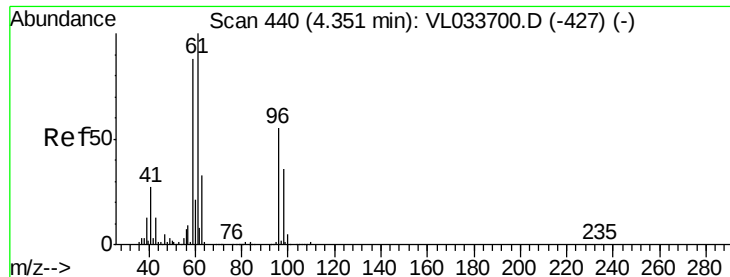
100000

0

Time-->

3.30 3.35 3.40





#17

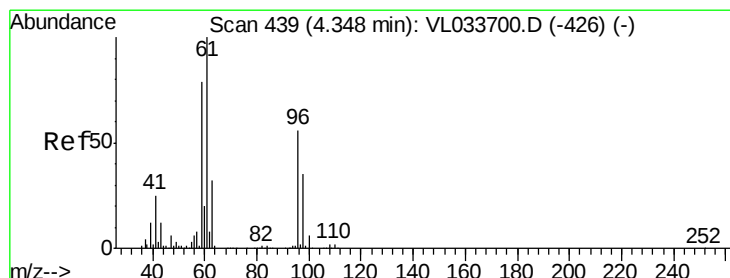
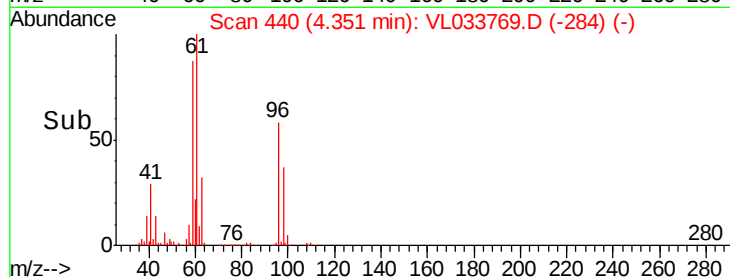
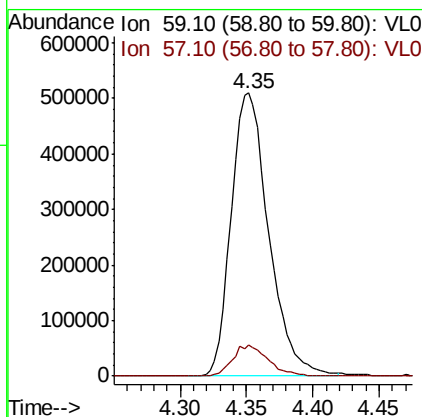
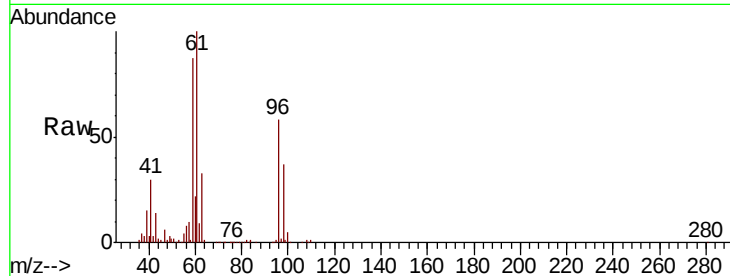
tert-Butyl alcohol
 Concen: 9.708 ppbv
 RT: 4.35 min Scan# 440
 Delta R.T. 0.00 min
 Lab File: VL033769.D
 Acq: 23 May 2019 10:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 59 Resp: 1005431
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.4 12.6

Manual Integrations
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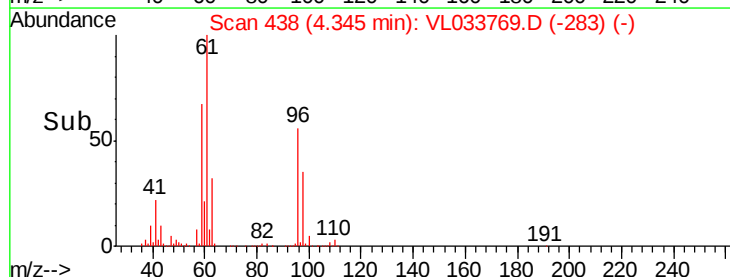
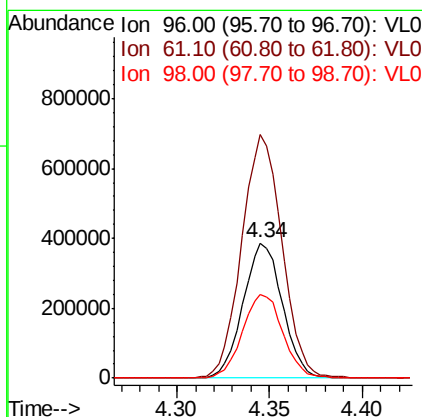
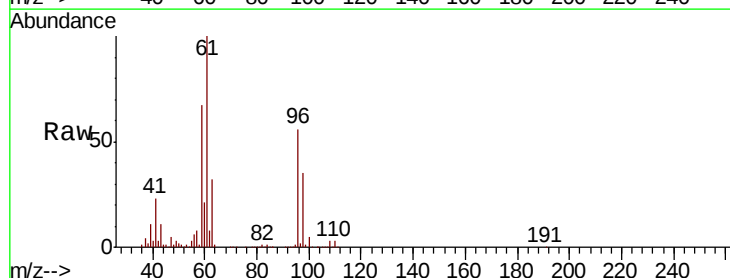
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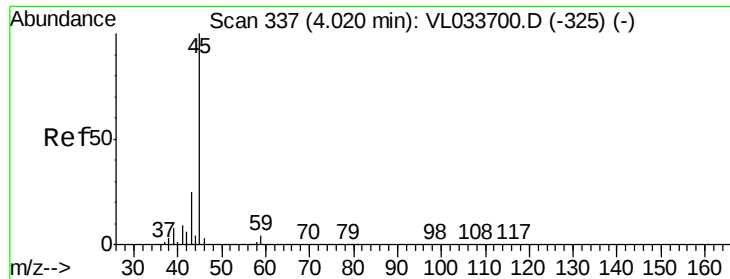


#18

1,1-Dichloroethene
 Concen: 10.457 ppbv
 RT: 4.34 min Scan# 438
 Delta R.T. -0.00 min
 Lab File: VL033769.D
 Acq: 23 May 2019 10:25

Tgt Ion: 96 Resp: 572278
 Ion Ratio Lower Upper
 96 100
 61 179.9 143.1 214.7
 98 62.2 49.5 74.3





#19

Isopropyl Alcohol

Concen: 8.655 ppbv

RT: 4.02 min Scan# 337

Delta R.T. 0.00 min

Lab File: VL033769.D

Acq: 23 May 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 714696

Ion Ratio Lower Upper

45 100

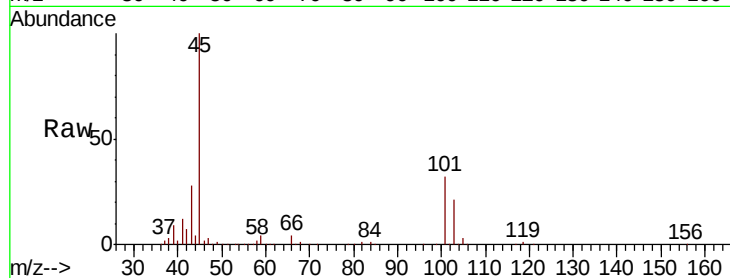
58 2.8 1.6 2.4#

Manual Integrations

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.02

400000

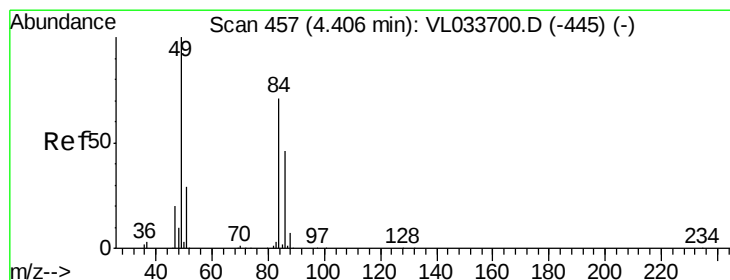
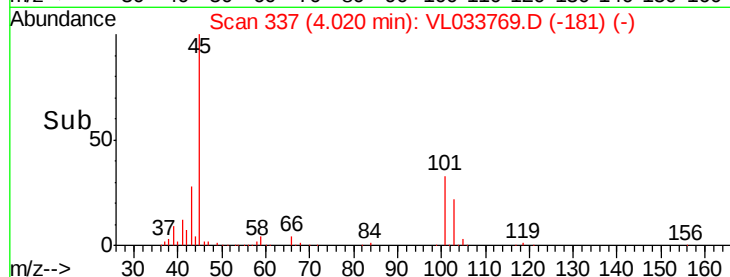
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 9.894 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.00 min

Lab File: VL033769.D

Acq: 23 May 2019 10:25

Tgt Ion: 84 Resp: 487914

Ion Ratio Lower Upper

84 100

49 136.5 112.8 169.2

51 41.4 33.4 50.0

86 59.7 51.7 77.5

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

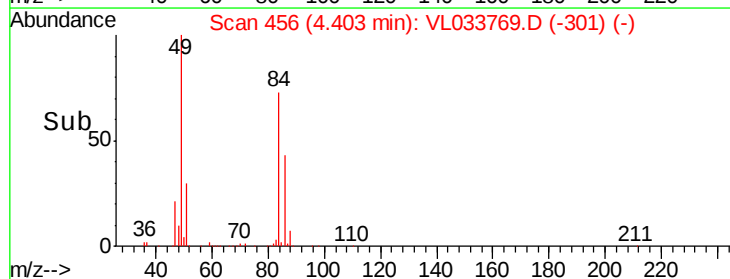
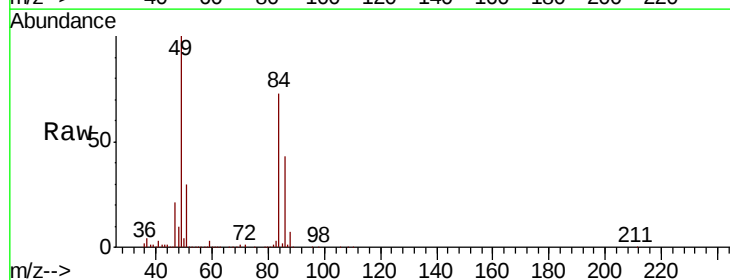
600000

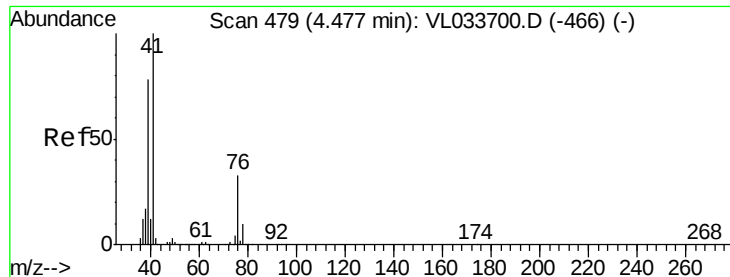
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 10.471 ppbv

RT: 4.47 min Scan# 477

Delta R.T. -0.01 min

Lab File: VL033769.D

Acq: 23 May 2019 10:25

Instrument :

MSVOA_L

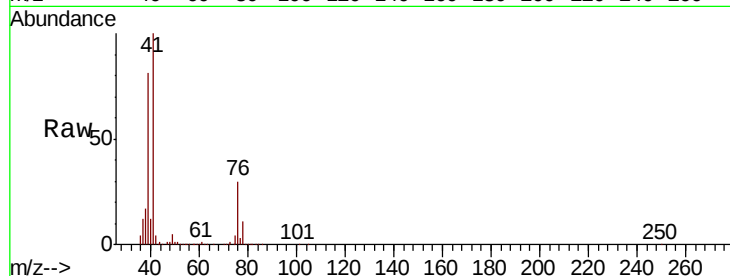
ClientSampleId :

VSTDCCC010

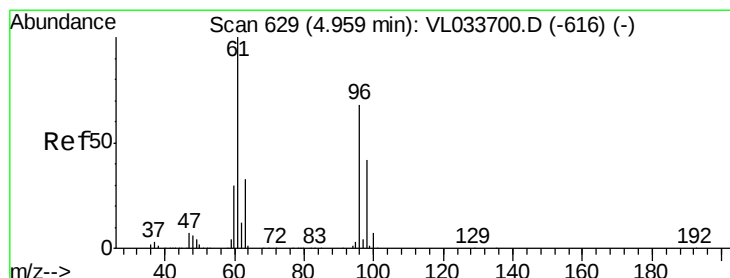
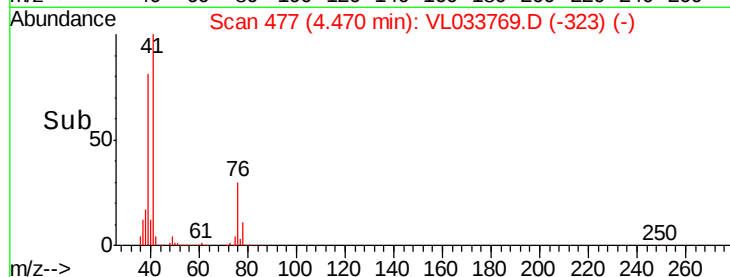
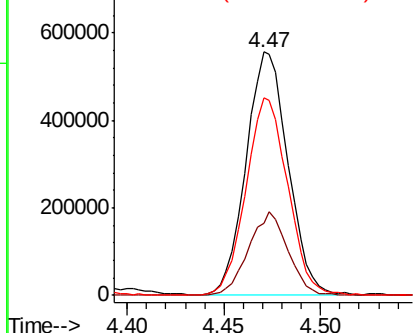
Tot Ion:	41	Resp:	836459
Ion Ratio	Lower	Upper	
41	100		
76	32.4	25.9	38.9
39	81.3	64.6	97.0

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Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 10.566 ppbv

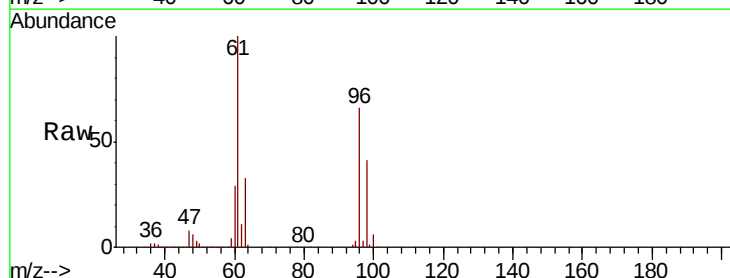
RT: 4.96 min Scan# 628

Delta R.T. -0.00 min

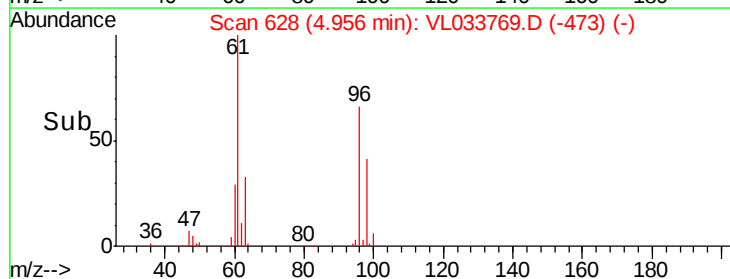
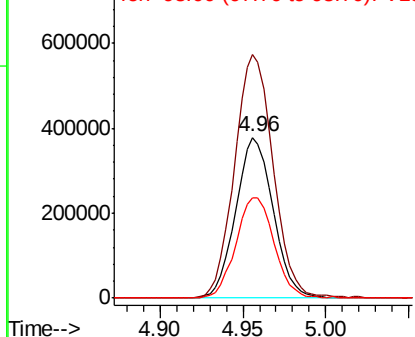
Lab File: VL033769.D

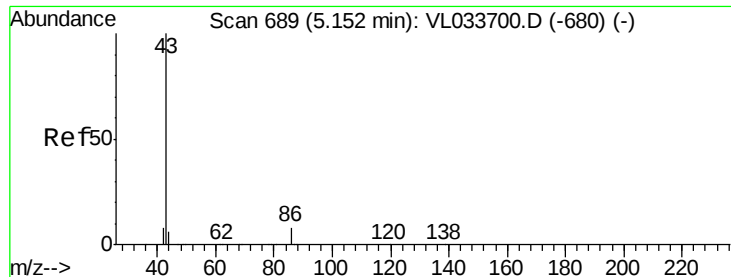
Acq: 23 May 2019 10:25

Tgt Ion:	96	Resp:	592722
Ion Ratio	Lower	Upper	
96	100		
61	151.2	116.8	175.2
98	62.5	49.4	74.0



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.854 ppbv

RT: 5.15 min Scan# 688

Delta R.T. -0.00 min

Lab File: VL033769.D

Acq: 23 May 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1832933

Ion Ratio Lower Upper

43 100

86 7.2 6.0 9.0

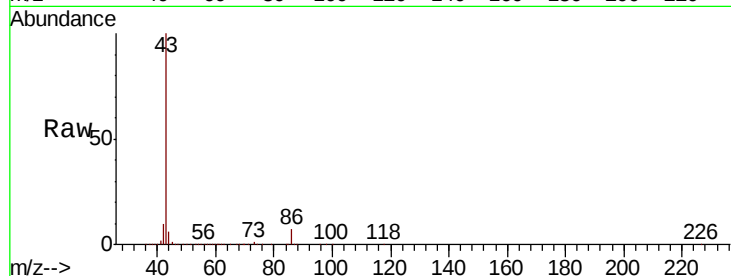
42 10.3 7.5 11.3

44 5.5 4.4 6.6

Manual Integrations
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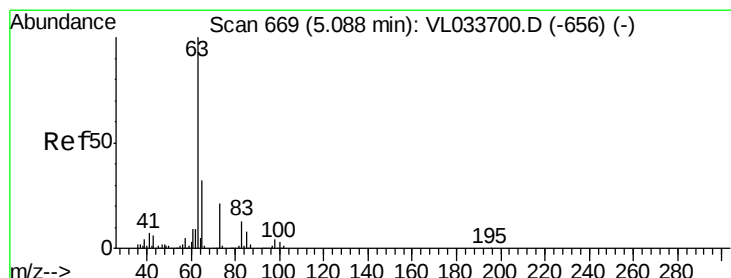
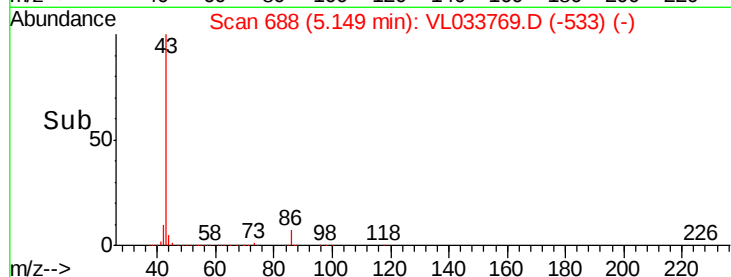
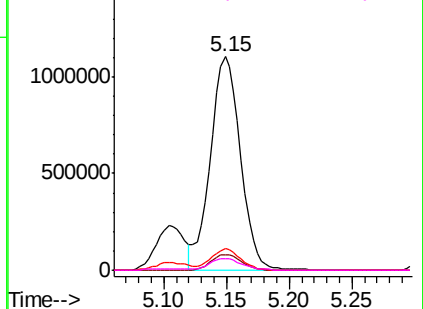


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.106 ppbv

RT: 5.09 min Scan# 669

Delta R.T. 0.00 min

Lab File: VL033769.D

Acq: 23 May 2019 10:25

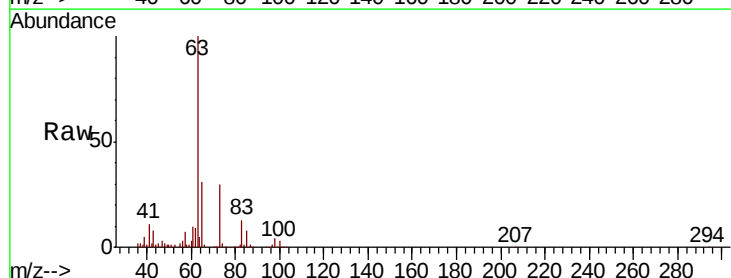
Tgt Ion: 63 Resp: 1297273

Ion Ratio Lower Upper

63 100

98 4.3 1.8 5.5

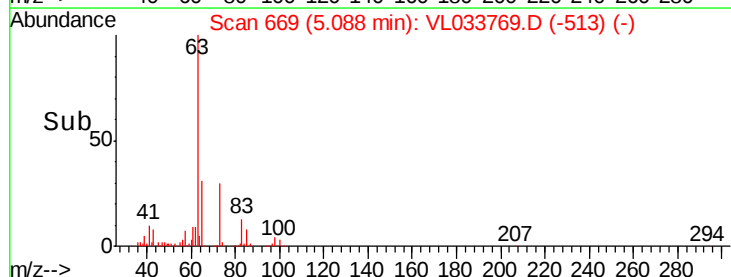
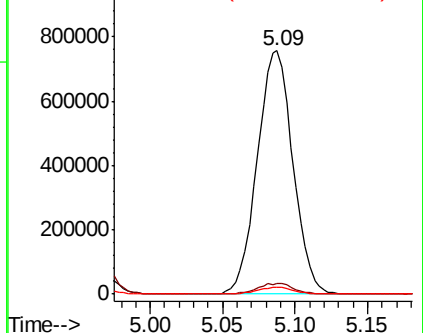
100 2.9 1.4 4.2

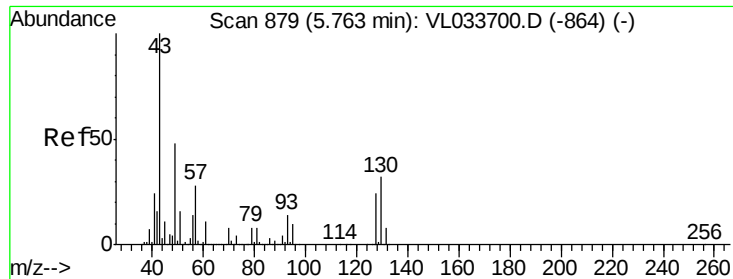


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





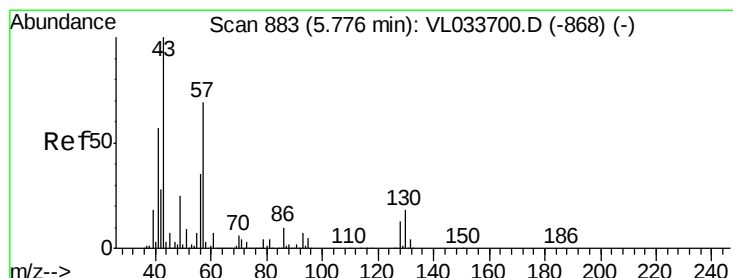
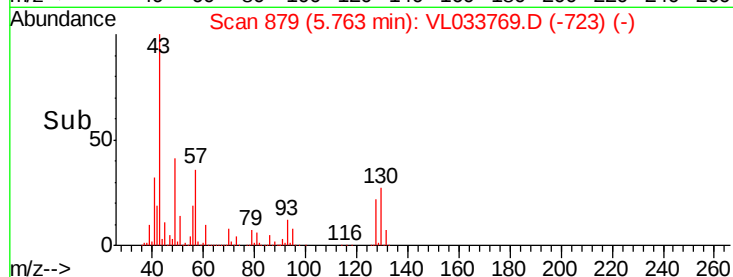
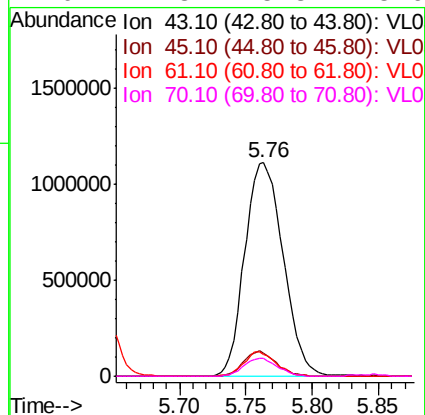
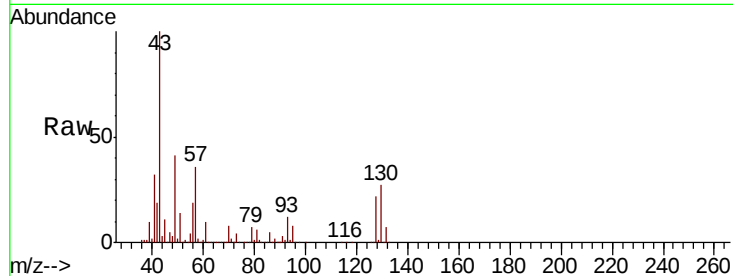
#25
Ethyl Acetate
Concen: 9.967 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033769.D
Acq: 23 May 2019 10:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.8	7.9	11.9	
61	9.7	7.7	11.5	
70	7.3	5.8	8.6	

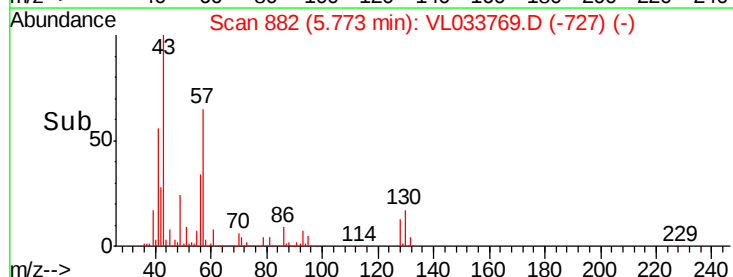
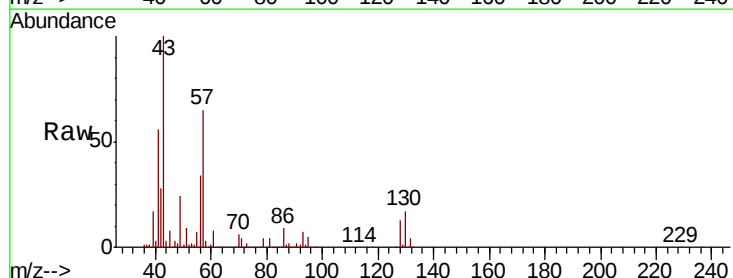
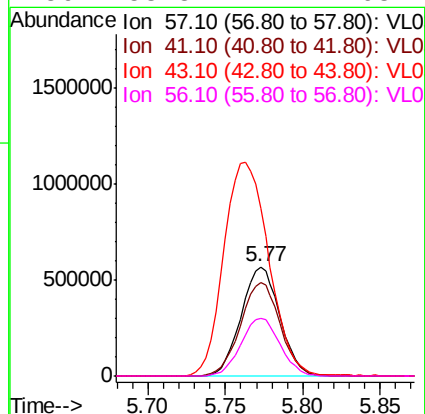
Manual Integrations
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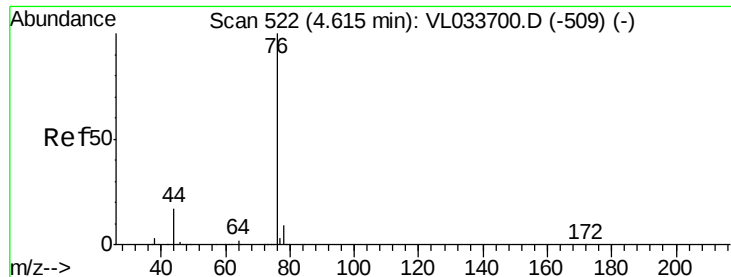
MMDadoda
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#26
Hexane
Concen: 10.110 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033769.D
Acq: 23 May 2019 10:25

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	89.3	69.8	104.6	
43	230.5	181.8	272.6	
56	53.8	42.1	63.1	





#27

Carbon Disulfide

Concen: 11.033 ppbv

RT: 4.62 min Scan# 522

Delta R.T. 0.00 min

Lab File: VL033769.D

Acq: 23 May 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1464063

Ion Ratio Lower Upper

76 100

44 17.9 13.8 20.8

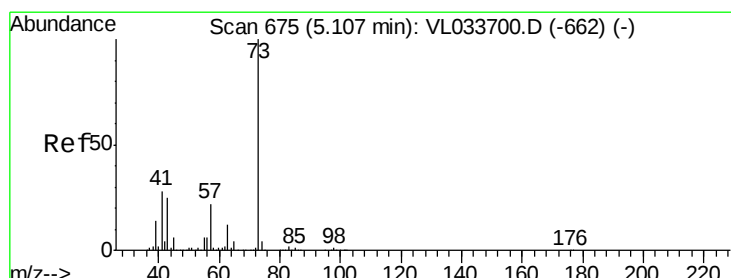
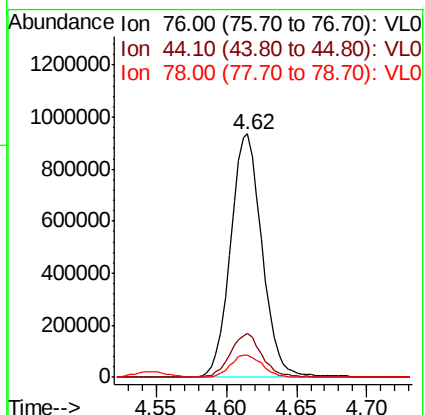
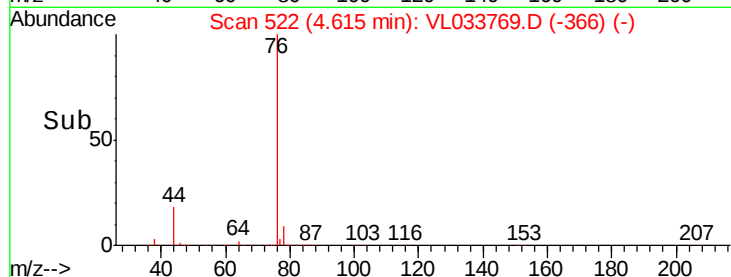
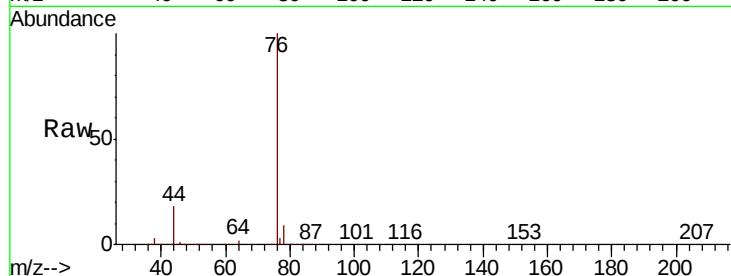
78 9.2 7.4 11.0

Manual Integrations

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MMDadoda

5/28/2019 2:53:15 AM



#28

Methyl tert-Butyl Ether

Concen: 10.359 ppbv

RT: 5.11 min Scan# 675

Delta R.T. 0.00 min

Lab File: VL033769.D

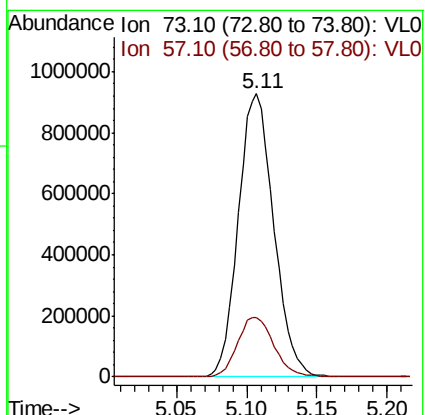
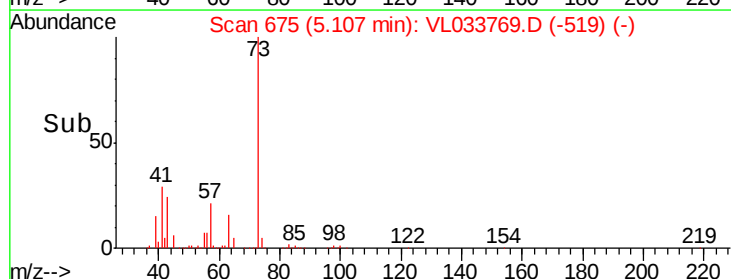
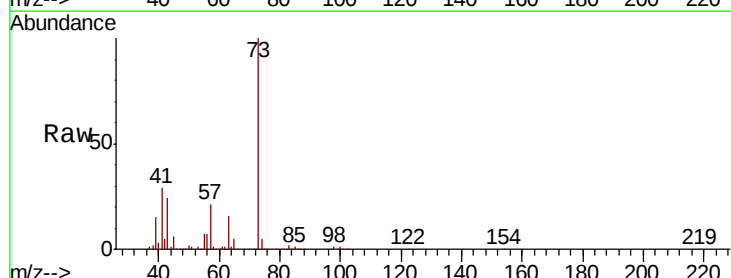
Acq: 23 May 2019 10:25

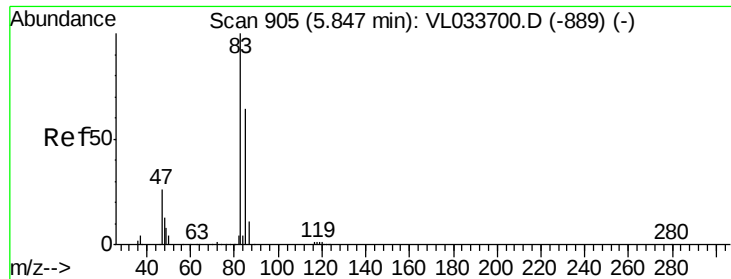
Tgt Ion: 73 Resp: 1633418

Ion Ratio Lower Upper

73 100

57 21.8 17.4 26.2





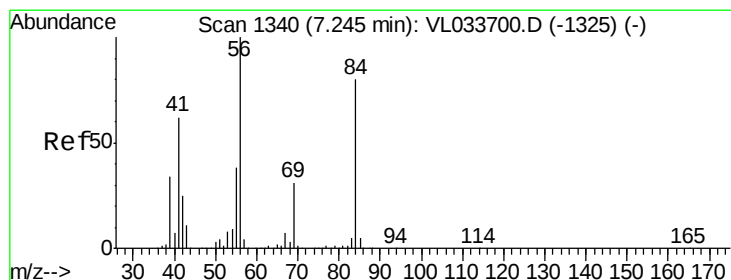
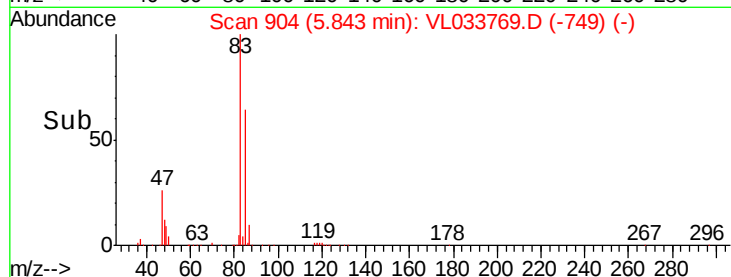
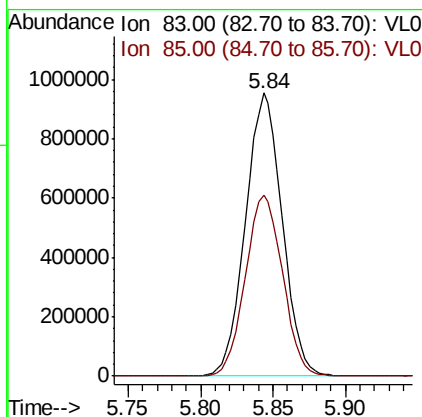
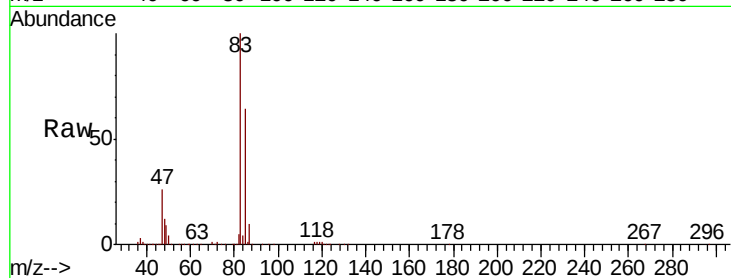
#29
Chloroform
Concen: 9.436 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL033769.D
Acq: 23 May 2019 10:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 1681235
Ion Ratio Lower Upper
83 100
85 63.7 51.5 77.3

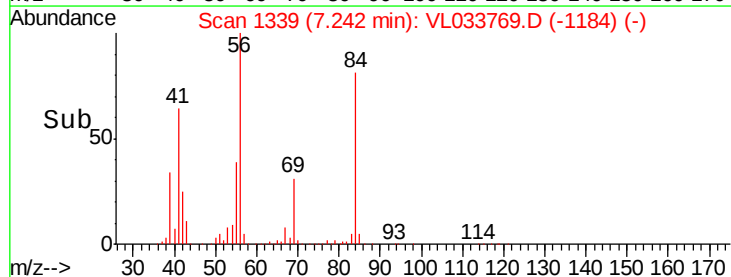
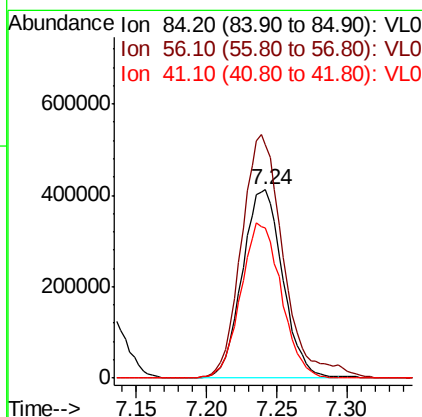
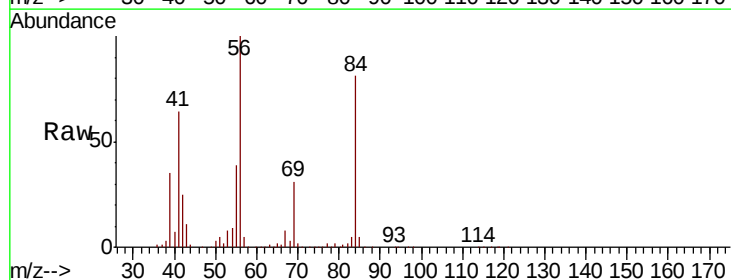
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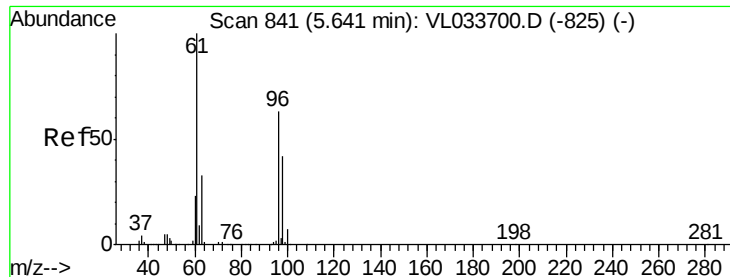
MMDadoda
5/28/2019 2:53:15 AM



#30
Cyclohexane
Concen: 10.187 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033769.D
Acq: 23 May 2019 10:25

Tgt Ion: 84 Resp: 828360
Ion Ratio Lower Upper
84 100
56 134.5 107.7 161.5
41 82.2 66.0 99.0





#31

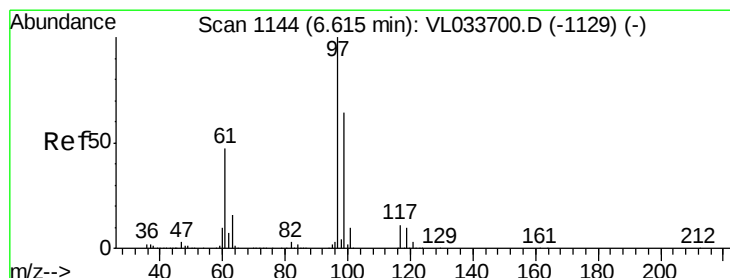
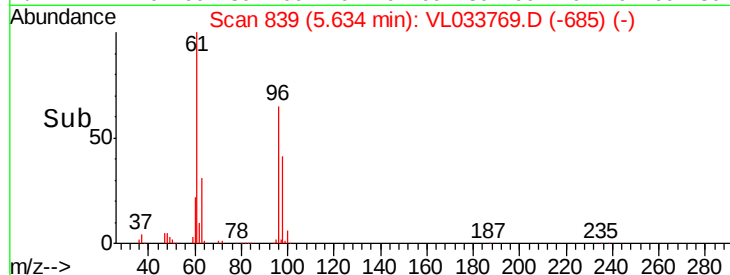
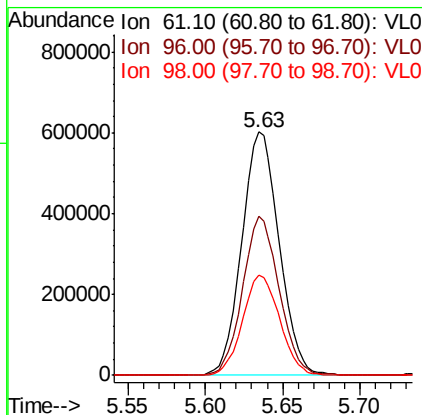
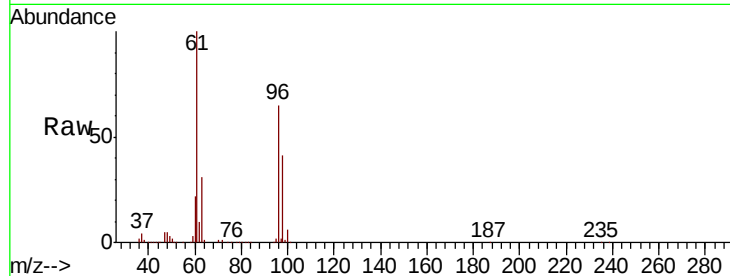
cis-1,2-Dichloroethene
Concen: 10.561 ppbv
RT: 5.63 min Scan# 839
Delta R.T. -0.01 min
Lab File: VL033769.D
Acq: 23 May 2019 10:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	65.3	50.8	76.2
98	41.1	33.3	49.9

Manual Integrations
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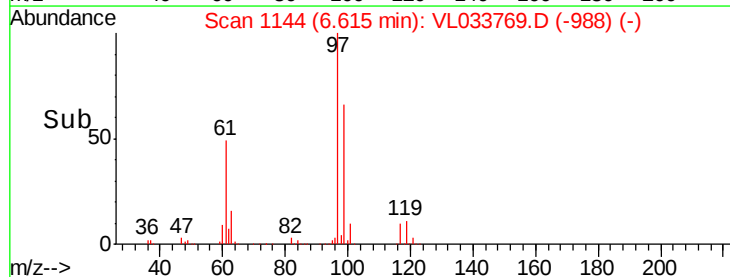
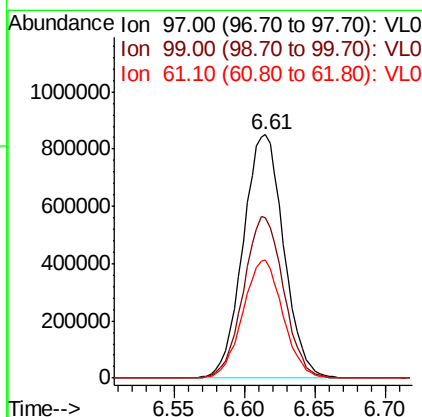
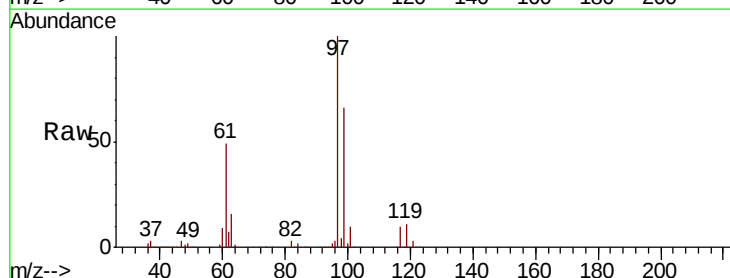
MMDadoda
5/28/2019 2:53:15 AM

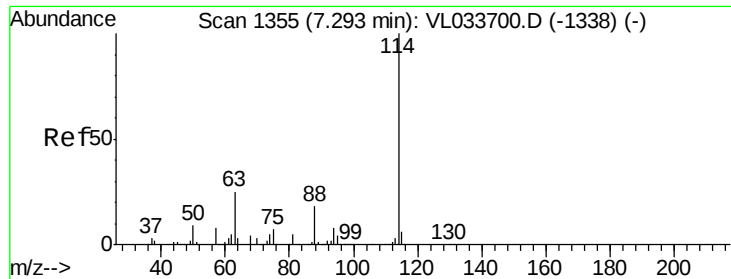


#32

1,1,1-Trichloroethane
Concen: 9.636 ppbv
RT: 6.61 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VL033769.D
Acq: 23 May 2019 10:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.5	77.3
61	48.0	37.8	56.8





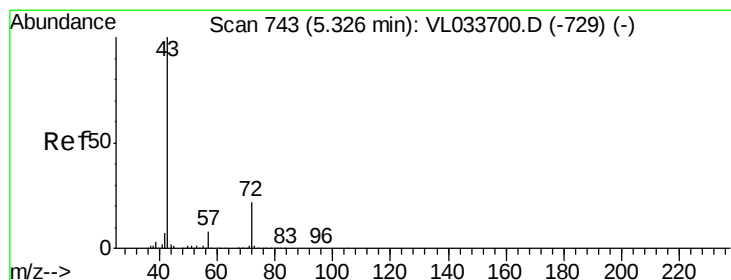
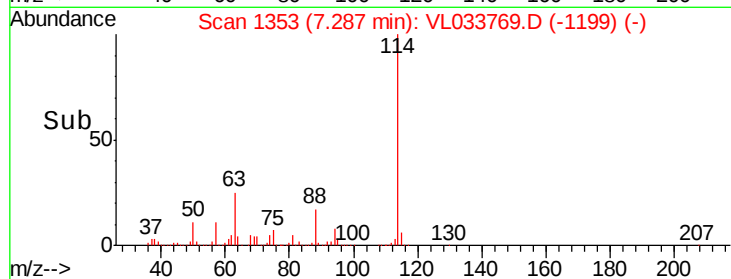
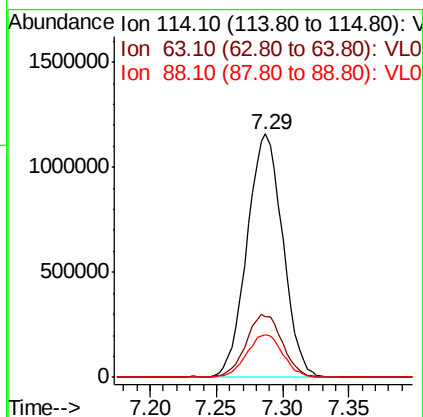
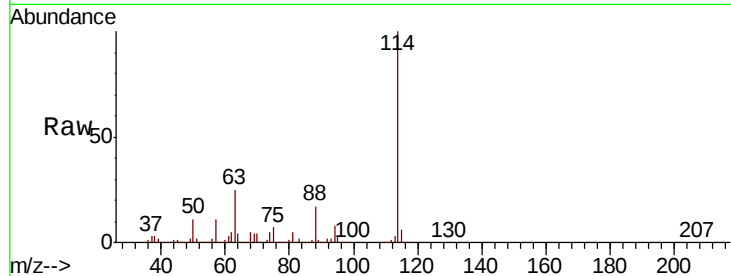
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033769.D
 Acq: 23 May 2019 10:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.6	20.9	31.3
88	17.8	14.3	21.5

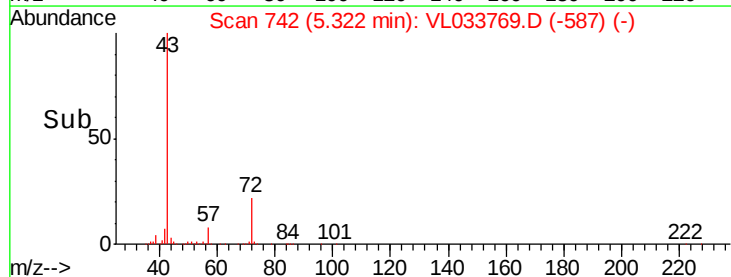
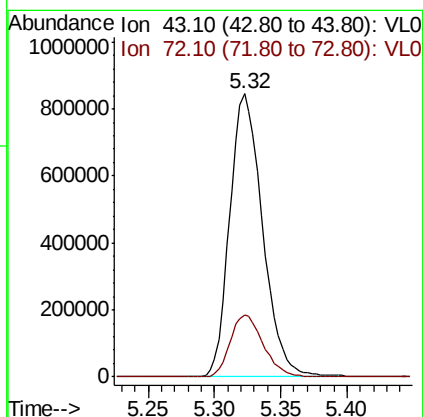
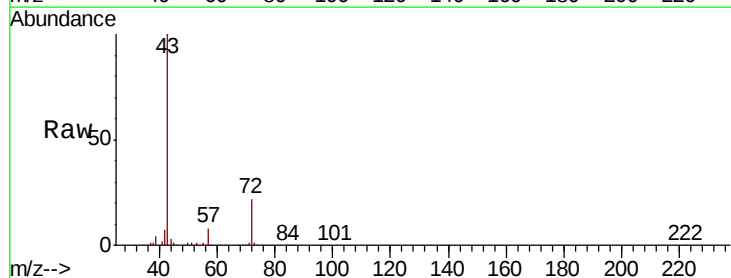
Manual Integrations
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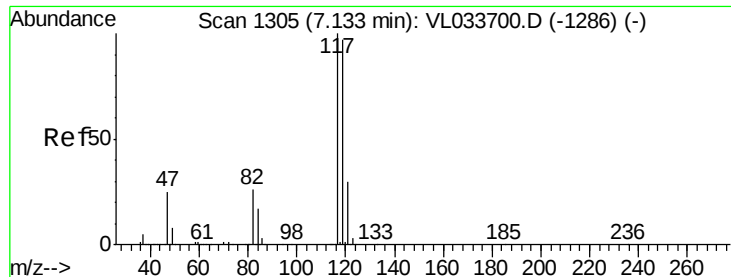
MMDadoda
 5/28/2019 2:53:15 AM



#34
 2-Butanone
 Concen: 10.764 ppbv
 RT: 5.32 min Scan# 742
 Delta R.T. -0.00 min
 Lab File: VL033769.D
 Acq: 23 May 2019 10:25

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.1	17.8	26.6





#35

Carbon Tetrachloride

Concen: 10.620 ppbv

RT: 7.13 min Scan# 1303

Delta R.T. -0.01 min

Lab File: VL033769.D

Acq: 23 May 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 1848489

Ion Ratio Lower Upper

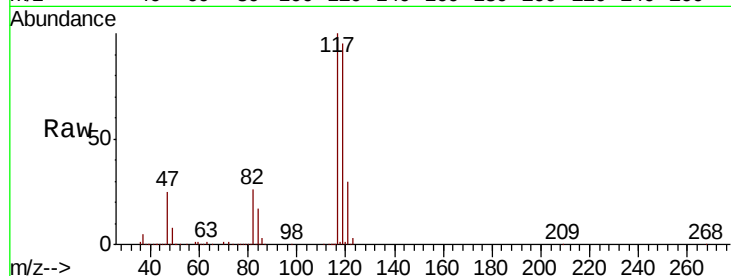
117 100

119 94.8 77.2 115.8

121 29.8 24.1 36.1

Manual Integrations
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MMDadoda
5/28/2019 2:53:15 AM

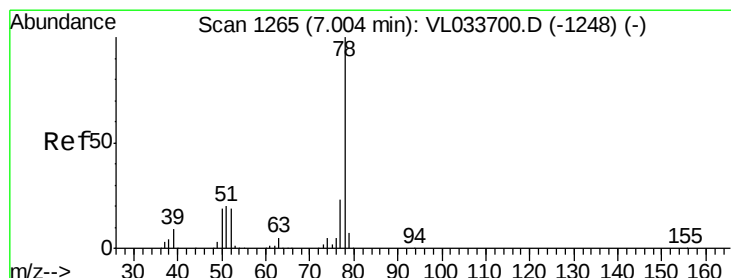
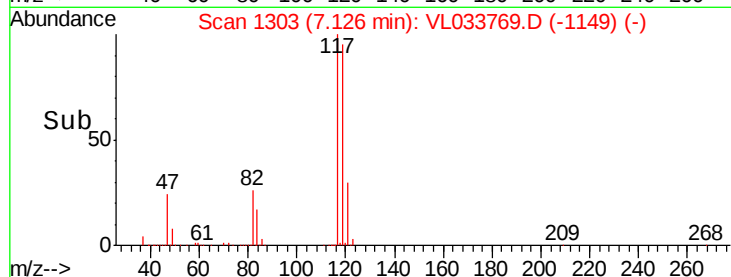
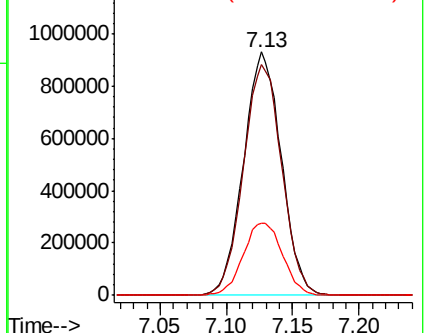


Abundance

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: 10.184 ppbv

RT: 7.00 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VL033769.D

Acq: 23 May 2019 10:25

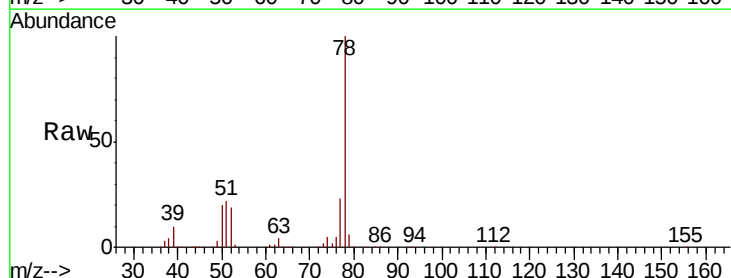
Tgt Ion: 78 Resp: 2012766

Ion Ratio Lower Upper

78 100

77 22.6 18.4 27.6

50 19.7 15.5 23.3

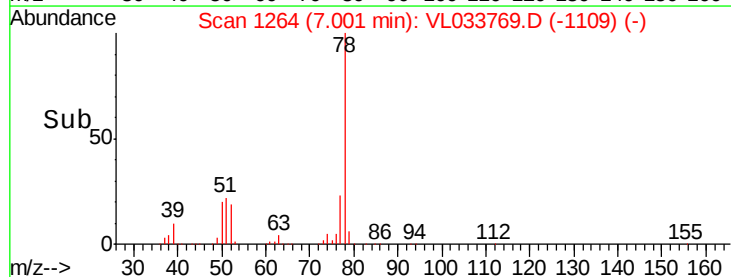
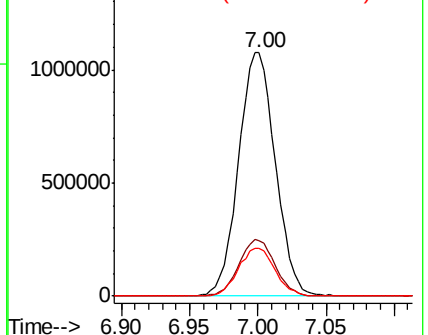


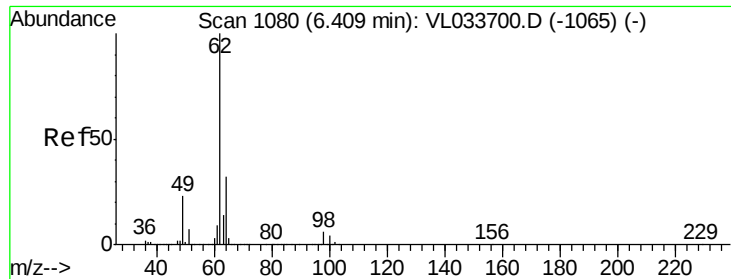
Abundance

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





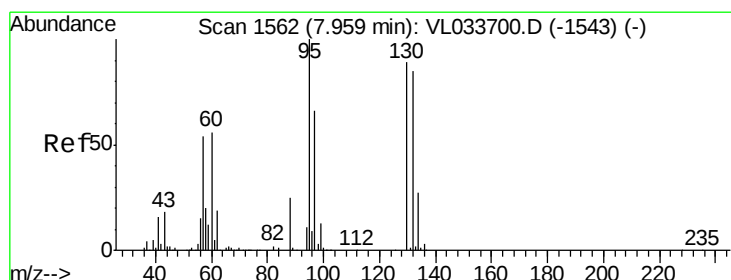
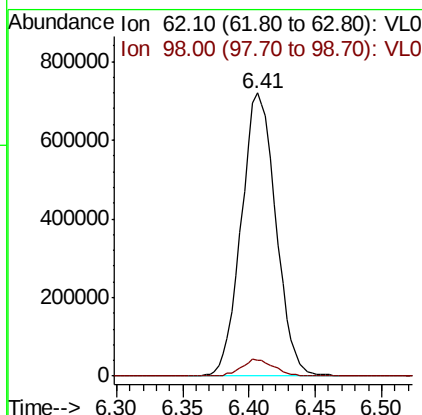
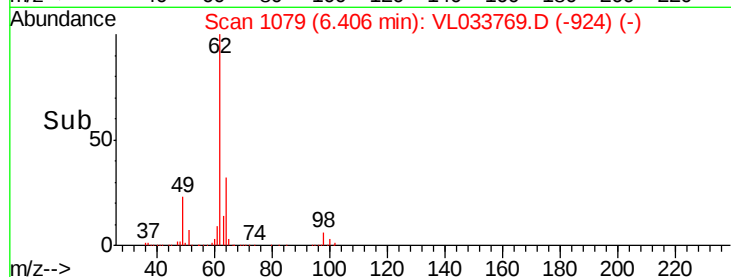
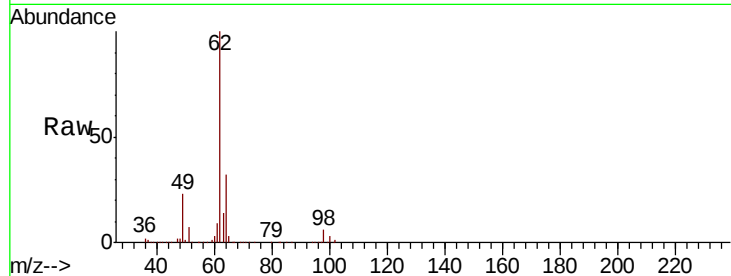
#37
 1,2-Dichloroethane
 Concen: 10.227 ppbv
 RT: 6.41 min Scan# 1079
 Delta R.T. -0.00 min
 Lab File: VL033769.D
 Acq: 23 May 2019 10:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1303952
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.5 6.7

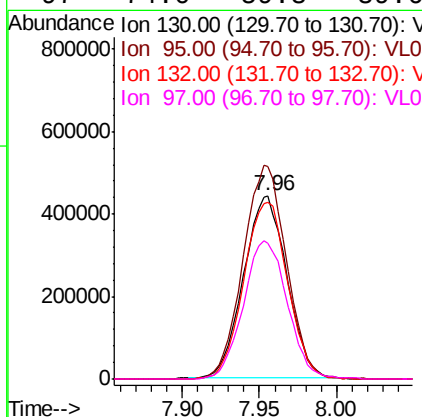
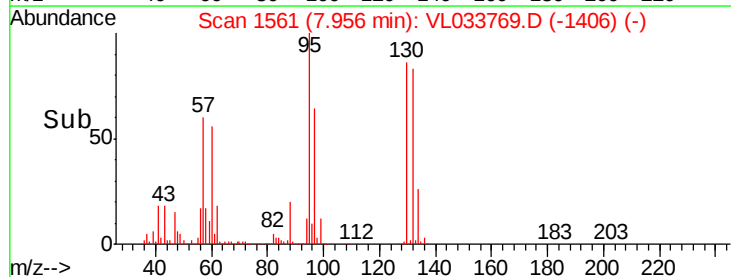
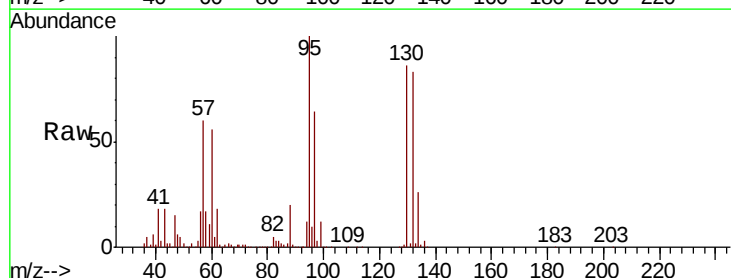
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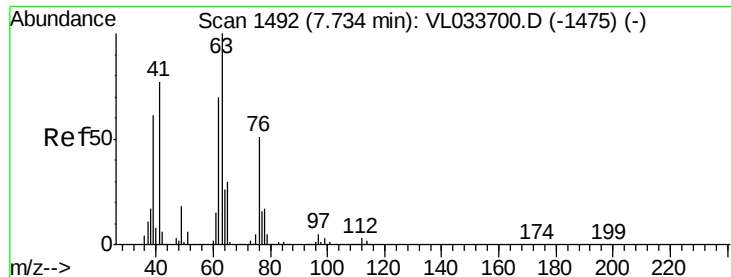
MMDadoda
 5/28/2019 2:53:15 AM



#38
 Trichloroethene
 Concen: 11.715 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. -0.00 min
 Lab File: VL033769.D
 Acq: 23 May 2019 10:25

Tgt Ion: 130 Resp: 859197
 Ion Ratio Lower Upper
 130 100
 95 116.7 90.2 135.4
 132 97.1 76.4 114.6
 97 74.0 59.8 89.6





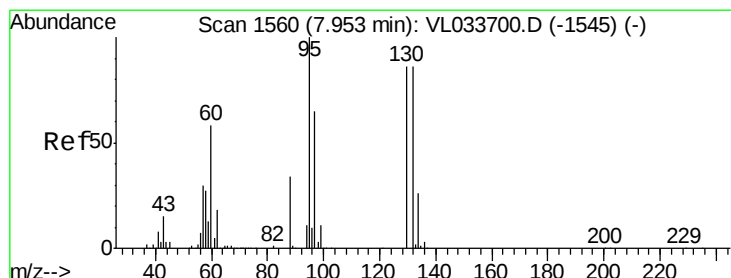
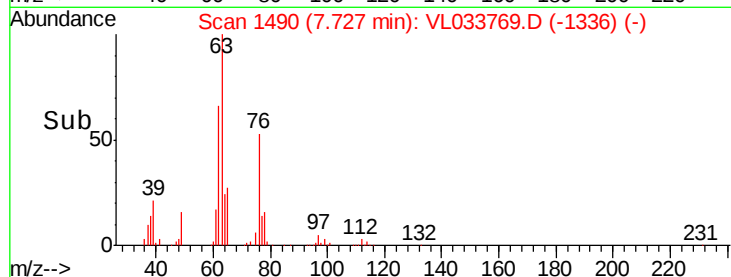
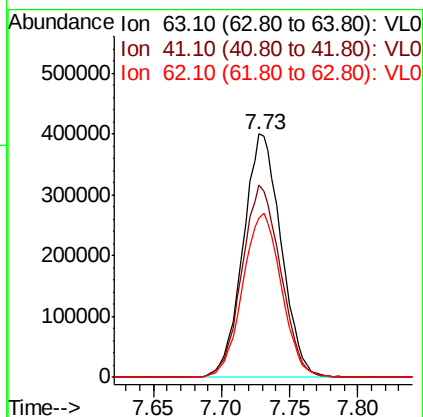
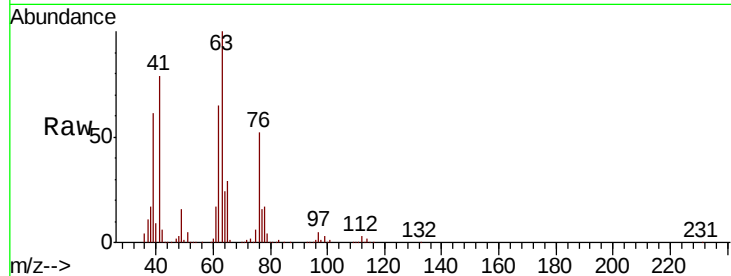
#39
 1,2-Dichloropropane
 Concen: 10.514 ppbv
 RT: 7.73 min Scan# 1490
 Delta R.T. -0.01 min
 Lab File: VL033769.D
 Acq: 23 May 2019 10:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	79.2	61.5	92.3
62	65.4	56.2	84.4

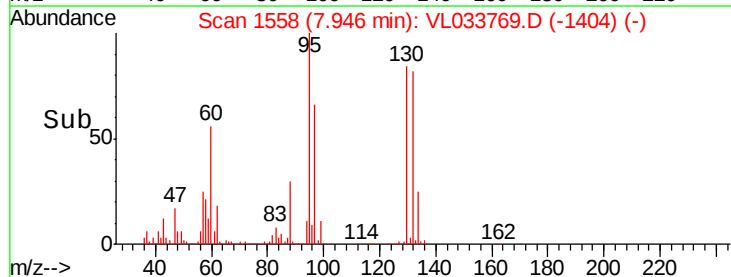
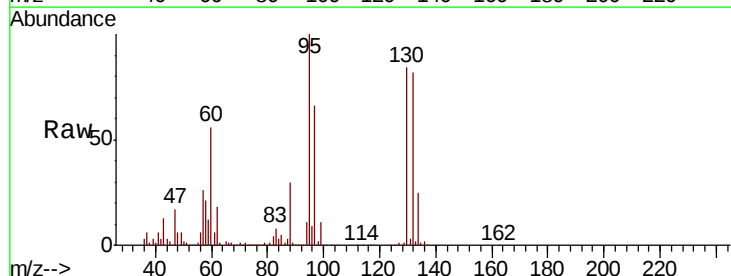
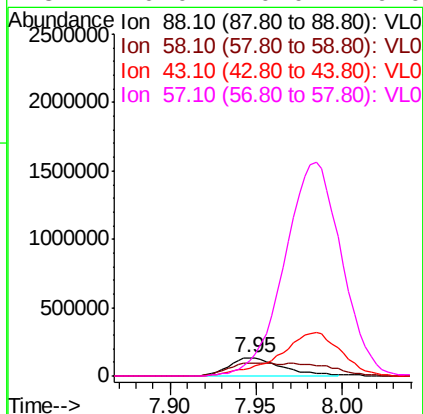
Manual Integrations
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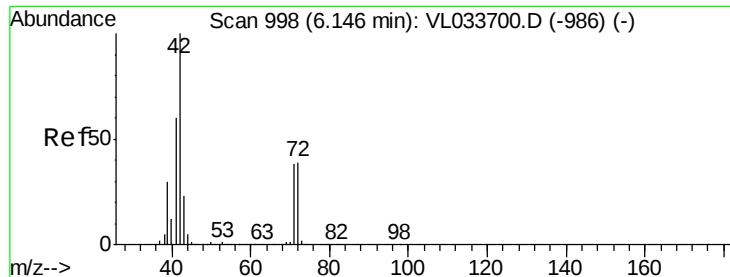
MMDadoda
 5/28/2019 2:53:15 AM



#40
 1,4-Dioxane
 Concen: 9.248 ppbv
 RT: 7.95 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: VL033769.D
 Acq: 23 May 2019 10:25

Tgt Ion	Ratio	Lower	Upper
88	100		
58	133.3	101.8	152.6
43	0.0	0.0	0.0
57	0.0	0.0	0.0





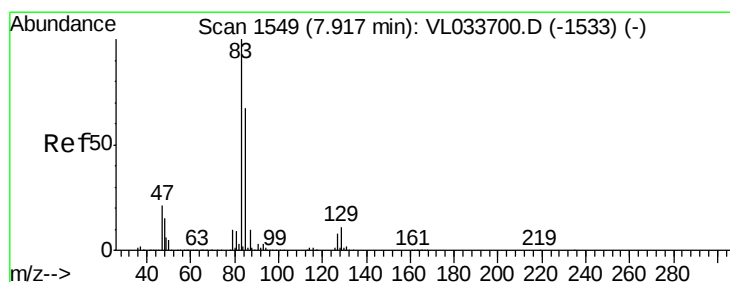
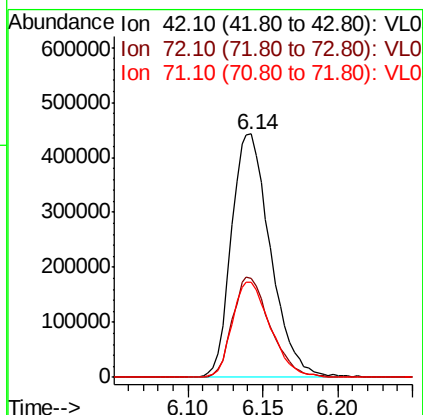
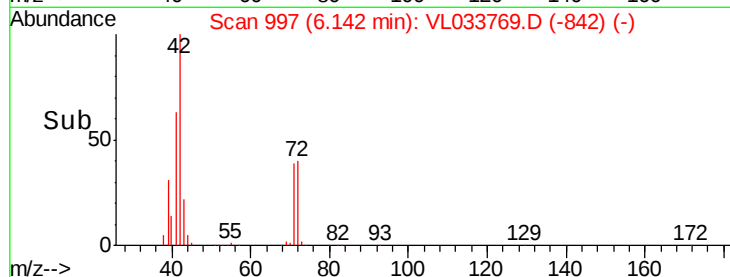
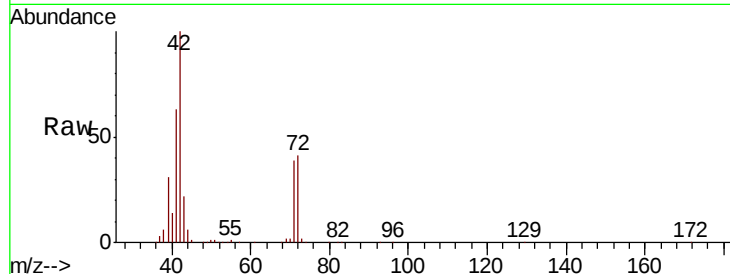
#41
Tetrahydrofuran
Concen: 10.664 ppbv
RT: 6.14 min Scan# 997
Delta R.T. -0.00 min
Lab File: VL033769.D
Acq: 23 May 2019 10:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	32.0	48.0
71	38.5	30.4	45.6

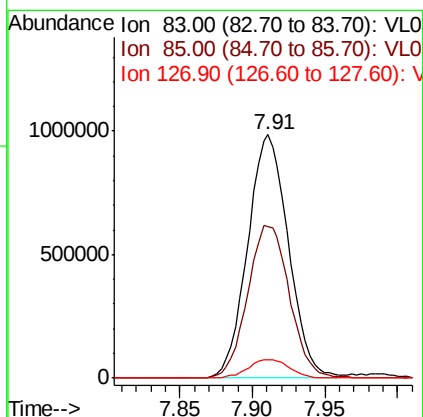
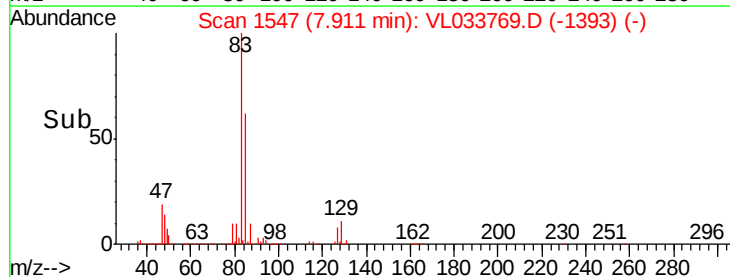
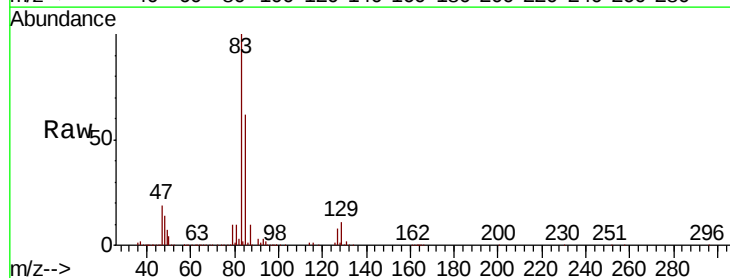
Manual Integrations
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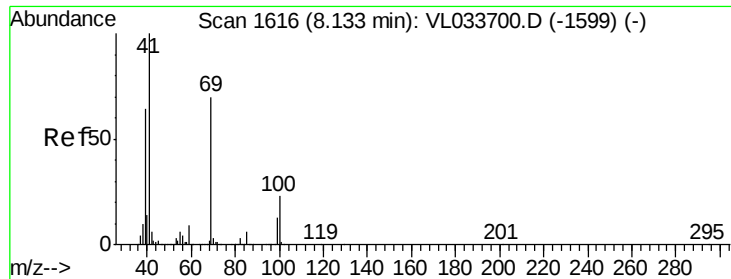
MMDadoda
5/28/2019 2:53:15 AM



#42
Bromodichloromethane
Concen: 11.062 ppbv
RT: 7.91 min Scan# 1547
Delta R.T. -0.01 min
Lab File: VL033769.D
Acq: 23 May 2019 10:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	53.3	79.9
127	7.7	6.5	9.7





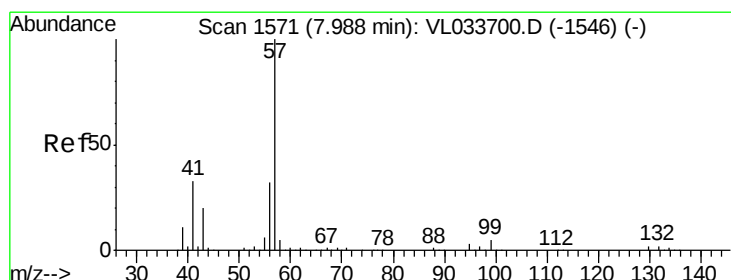
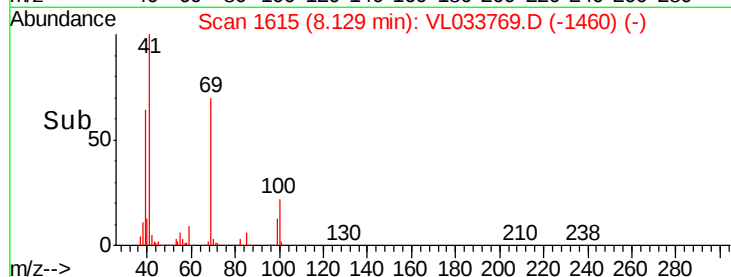
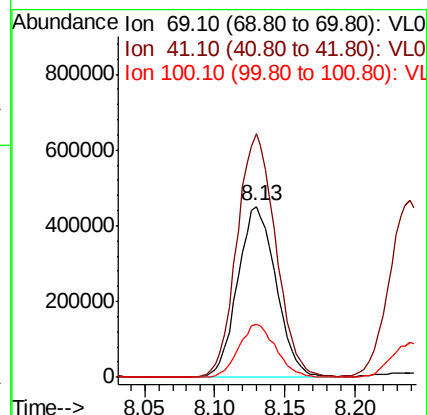
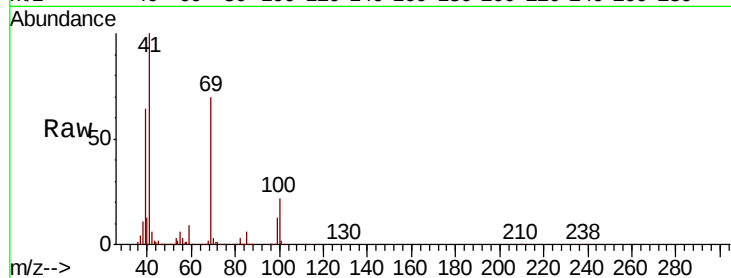
#43
Methvl Methacrilate
Concen: 11.797 ppbv
RT: 8.13 min Scan# 1615
Delta R.T. -0.00 min
Lab File: VL033769.D
Acq: 23 May 2019 10:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
69	100		
41	144.2	116.3	174.5
100	30.3	25.3	37.9

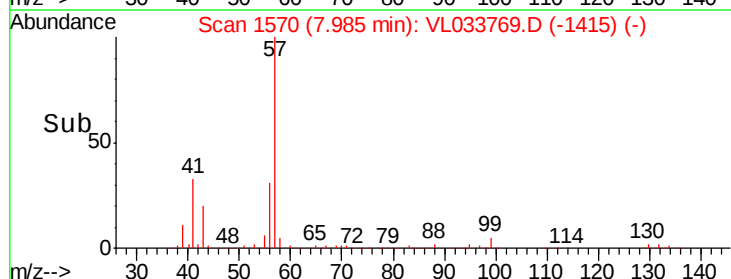
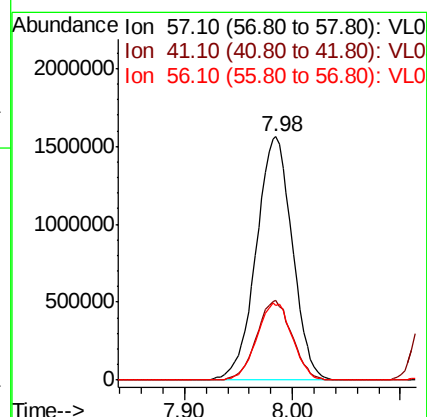
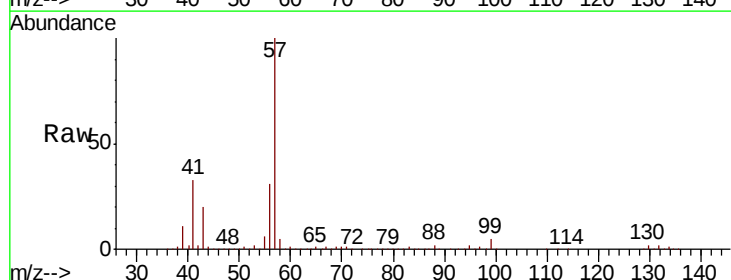
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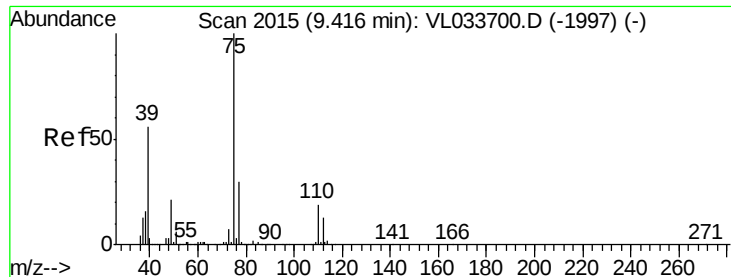
MMDadoda
5/28/2019 2:53:15 AM



#44
2,2,4-Trimethylpentane
Concen: 10.837 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL033769.D
Acq: 23 May 2019 10:25

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.3	25.4	38.0
56	31.3	24.7	37.1





#45

t-1,3-Dichloropropene

Concen: 11.916 ppbv

RT: 9.41 min Scan# 2013

Delta R.T. -0.01 min

Lab File: VL033769.D

Acq: 23 May 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 1098798

Ion Ratio Lower Upper

75 100

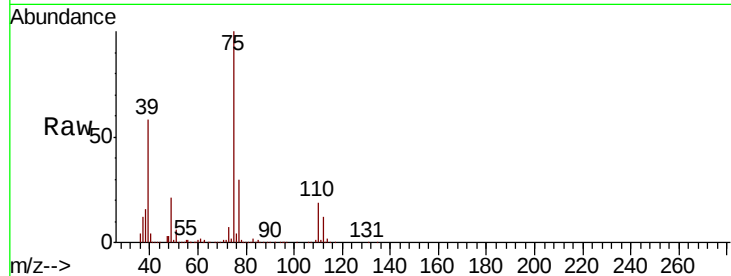
77 30.2 24.4 36.6

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.41

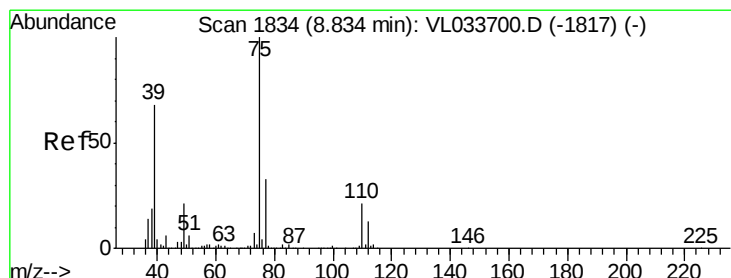
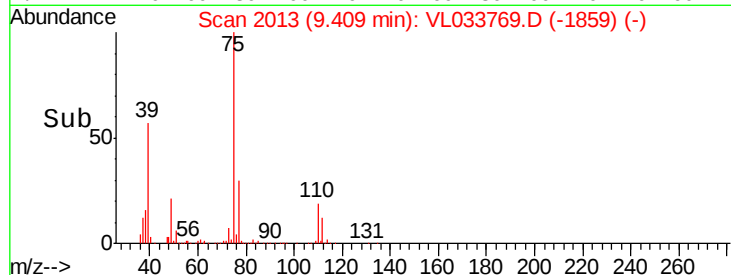
600000

400000

200000

0

Time--> 9.30 9.35 9.40 9.45 9.50



#46

cis-1,3-Dichloropropene

Concen: 11.488 ppbv

RT: 8.83 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VL033769.D

Acq: 23 May 2019 10:25

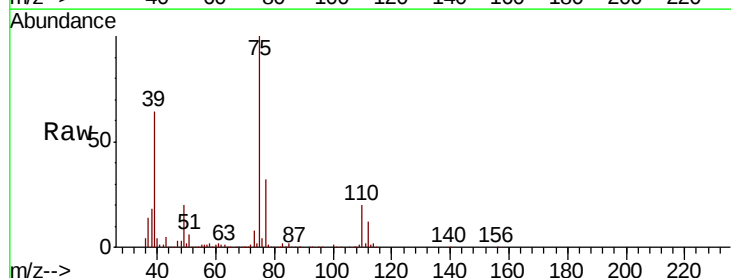
Tgt Ion: 75 Resp: 1240409

Ion Ratio Lower Upper

75 100

39 63.8 54.4 81.6

77 31.7 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.83

800000

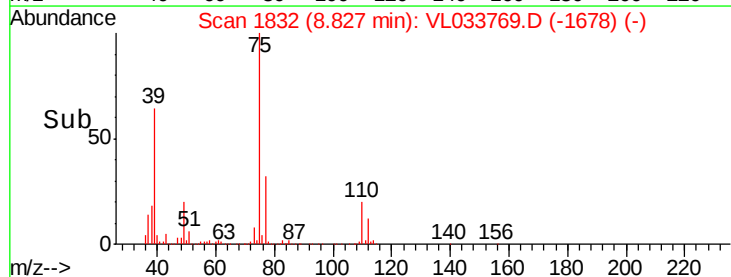
600000

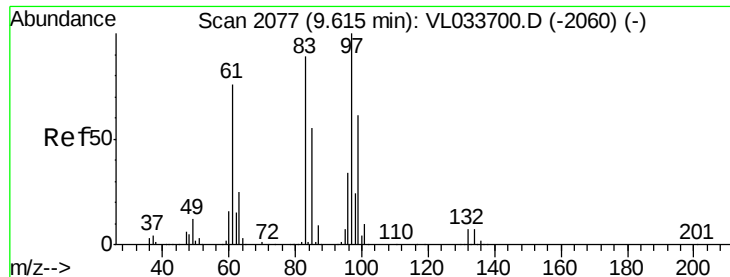
400000

200000

0

Time--> 8.75 8.80 8.85 8.90





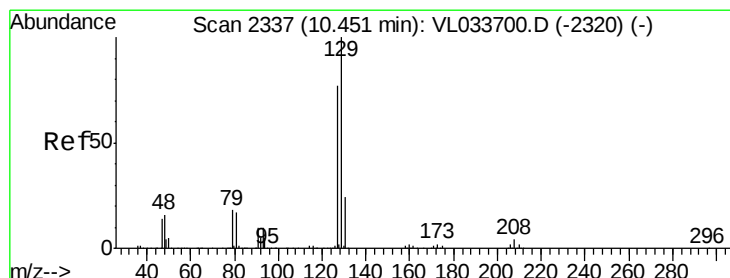
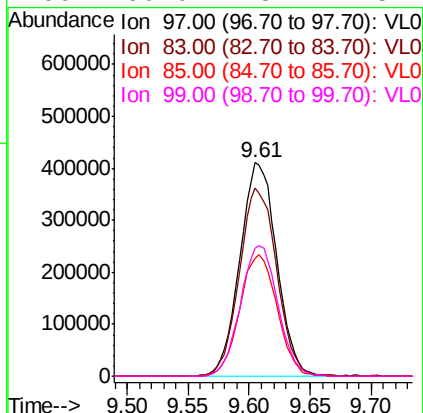
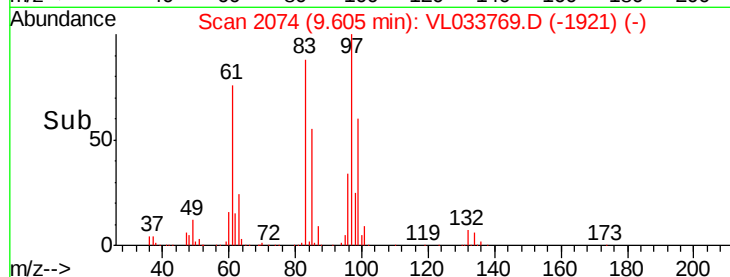
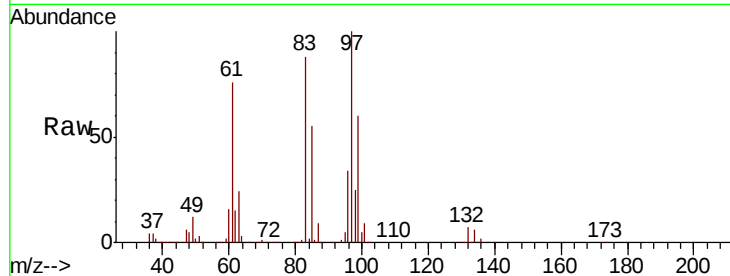
#47
 1,1,2-Trichloroethane
 Concen: 10.241 ppbv
 RT: 9.61 min Scan# 2074
 Delta R.T. -0.01 min
 Lab File: VL033769.D
 Acq: 23 May 2019 10:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		857275		
83	88.4	70.8	106.2		
85	54.9	43.7	65.5		
99	60.0	48.7	73.1		

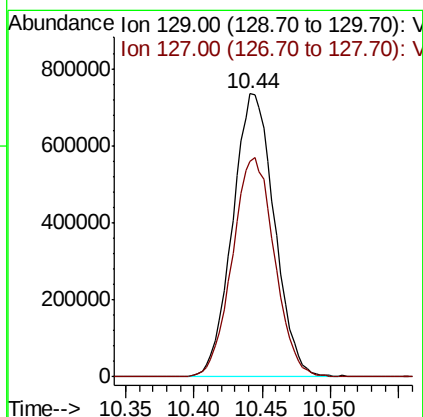
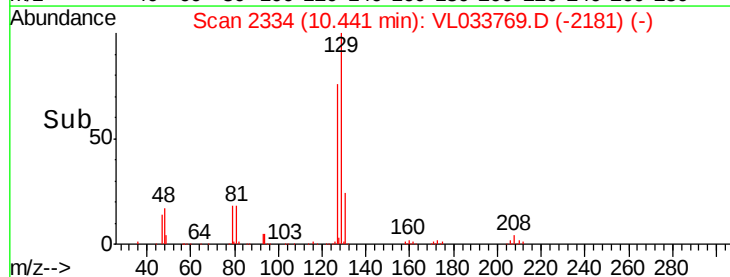
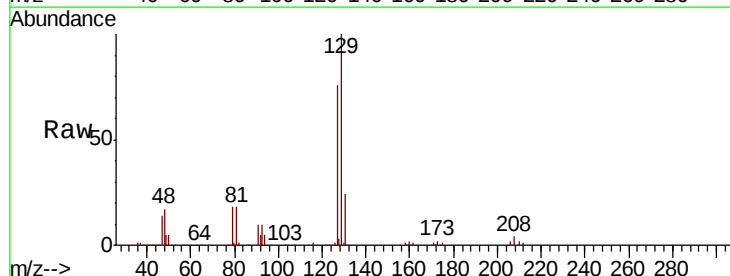
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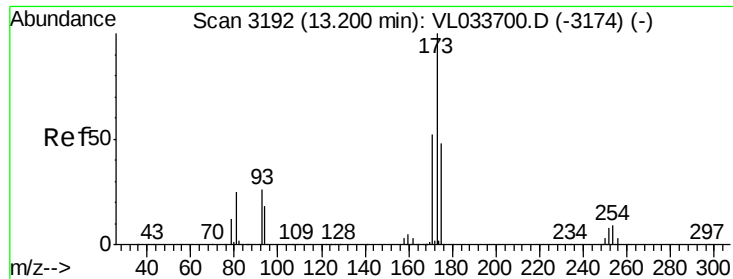
MMDadoda
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#48
 Dibromochloromethane
 Concen: 10.795 ppbv
 RT: 10.44 min Scan# 2334
 Delta R.T. -0.01 min
 Lab File: VL033769.D
 Acq: 23 May 2019 10:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1565762		
127	78.3	38.6	116.0		





#49

Bromoform

Concen: 12.313 ppbv

RT: 13.19 min Scan# 3189

Delta R.T. -0.01 min

Lab File: VL033769.D

Acq: 23 May 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 1502761

Ion Ratio Lower Upper

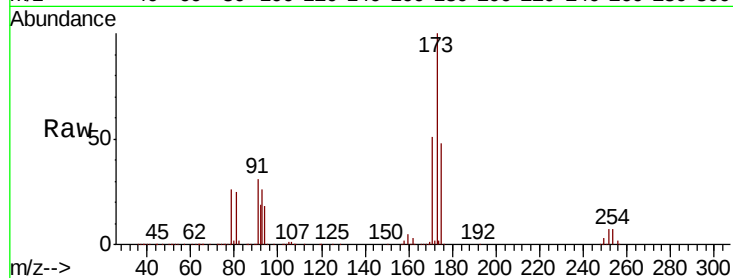
173 100

175 48.9 38.6 58.0

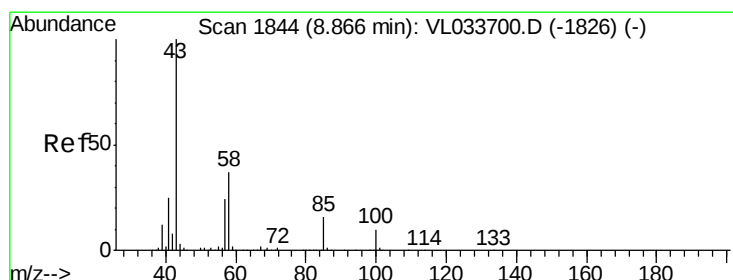
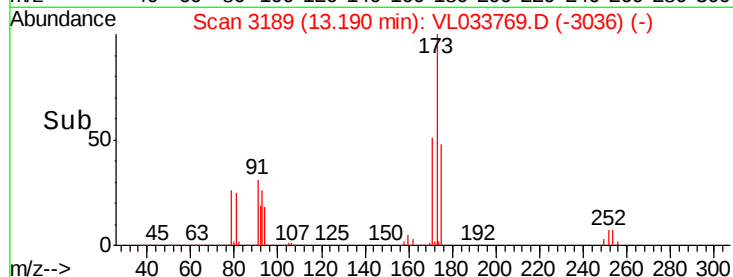
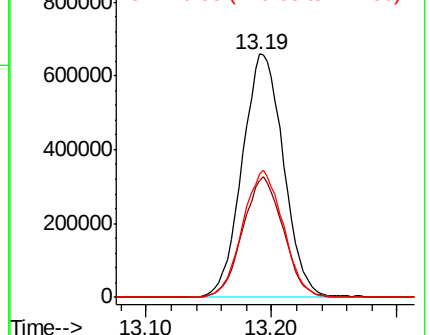
171 51.8 41.5 62.3

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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: 10.598 ppbv

RT: 8.86 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VL033769.D

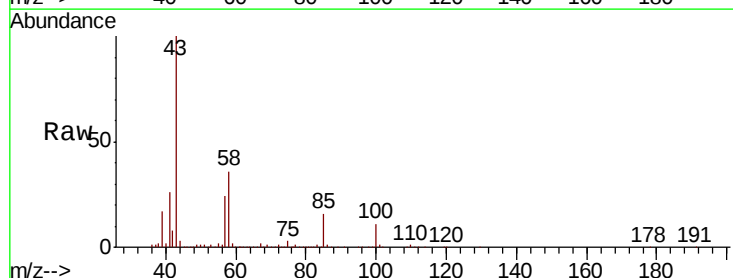
Acq: 23 May 2019 10:25

Tgt Ion: 43 Resp: 2195384

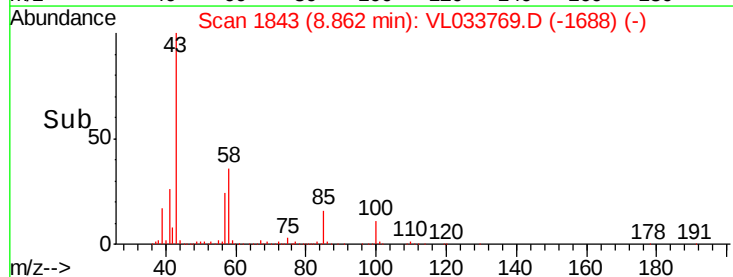
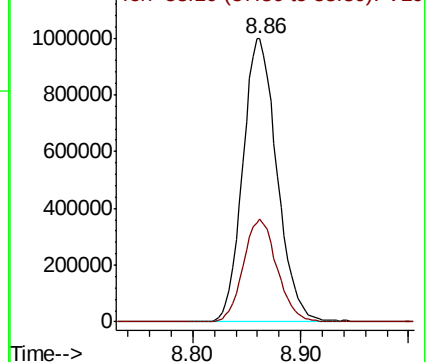
Ion Ratio Lower Upper

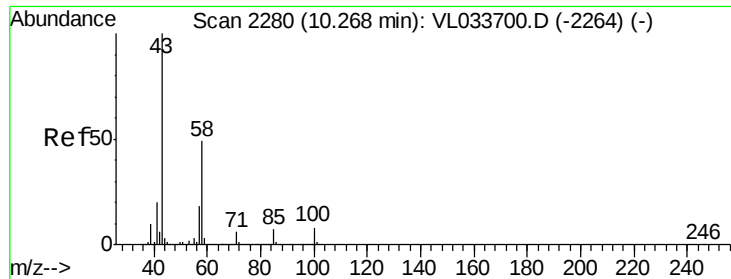
43 100

58 35.9 28.6 43.0



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





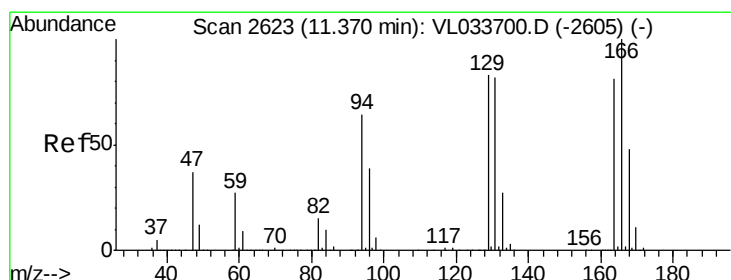
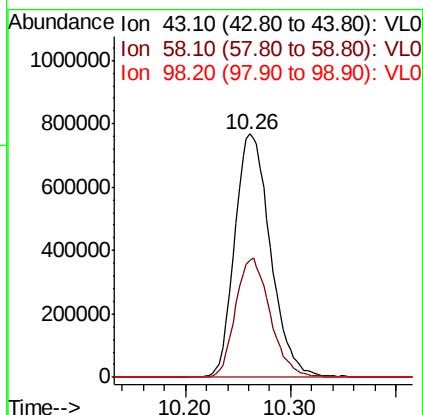
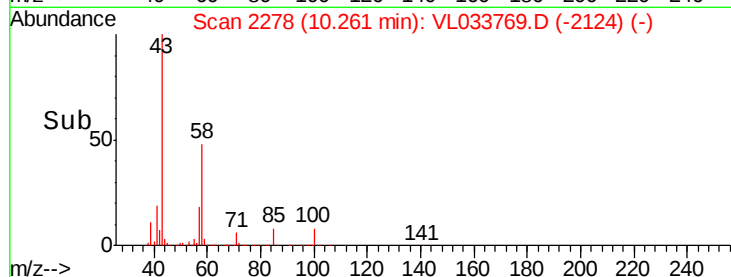
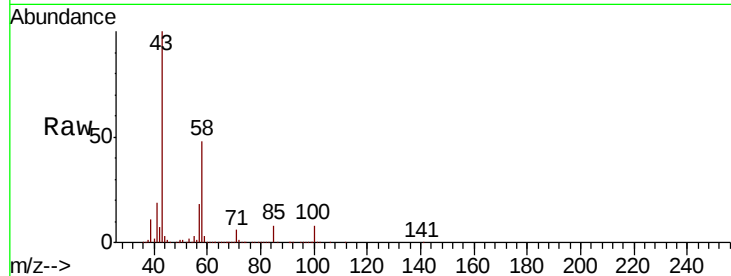
#51
2-Hexanone
Concen: 11.168 ppbv
RT: 10.26 min Scan# 2278
Delta R.T. -0.01 min
Lab File: VL033769.D
Acq: 23 May 2019 10:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1805609
Ion Ratio Lower Upper
43 100
58 47.7 38.7 58.1
98 0.4 0.2 0.4#

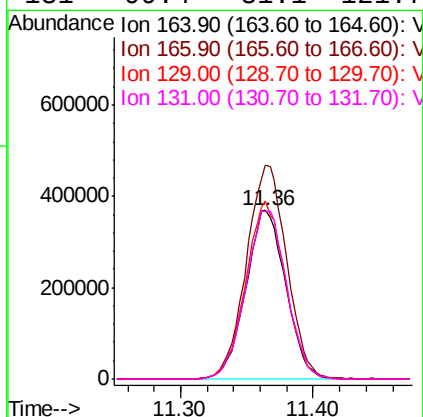
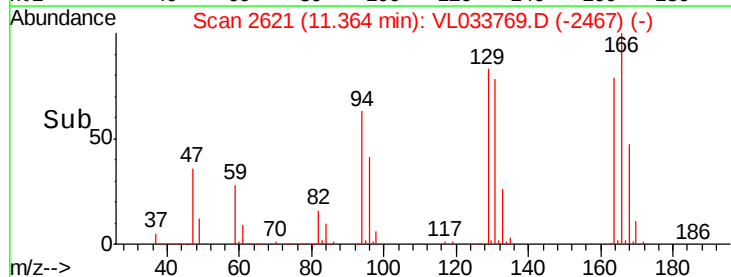
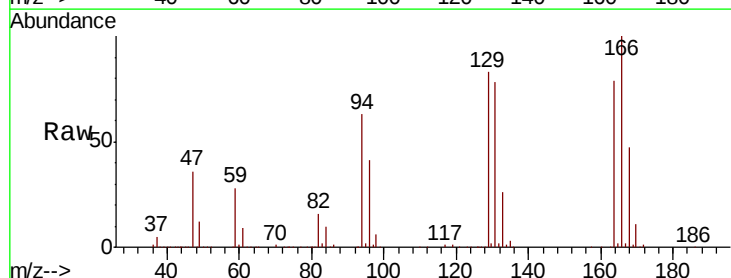
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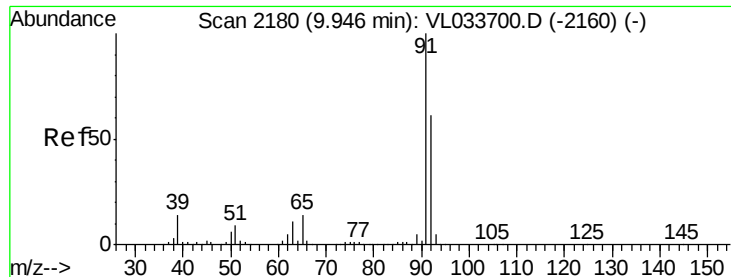
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#52
Tetrachloroethene
Concen: 11.092 ppbv
RT: 11.36 min Scan# 2621
Delta R.T. -0.01 min
Lab File: VL033769.D
Acq: 23 May 2019 10:25

Tgt Ion: 164 Resp: 770616
Ion Ratio Lower Upper
164 100
166 126.6 98.9 148.3
129 105.4 81.8 122.6
131 99.4 81.1 121.7





#53

Toluene

Concen: 11.156 ppbv

RT: 9.94 min Scan# 2177

Delta R.T. -0.01 min

Lab File: VL033769.D

Acq: 23 May 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2378312

Ion Ratio Lower Upper

91 100

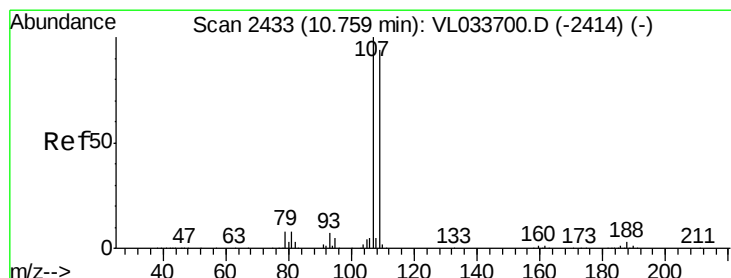
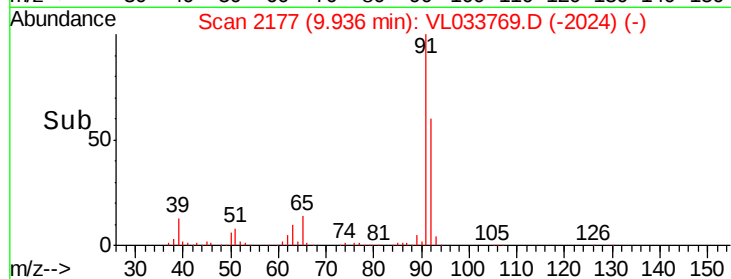
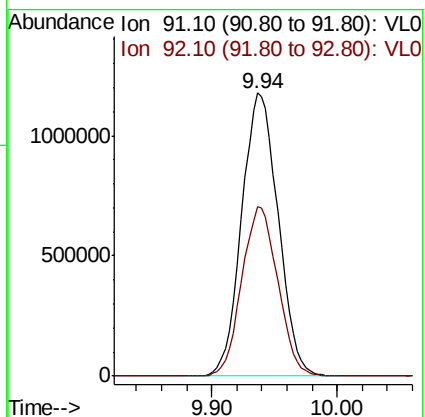
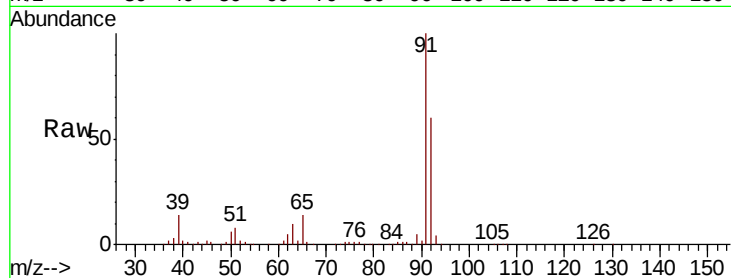
92 59.4 47.6 71.4

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#54

1,2-Dibromoethane

Concen: 10.501 ppbv

RT: 10.75 min Scan# 2430

Delta R.T. -0.01 min

Lab File: VL033769.D

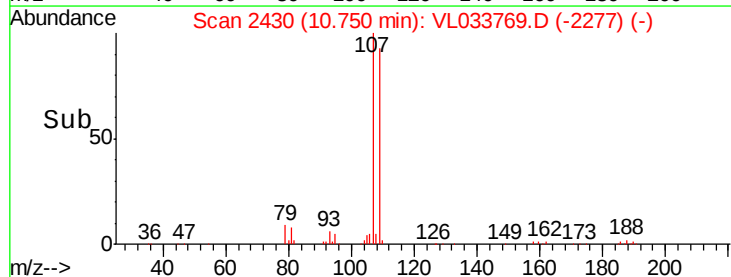
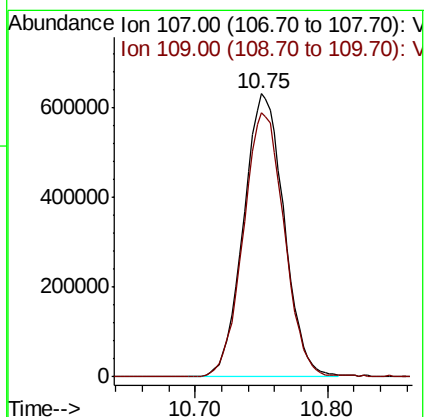
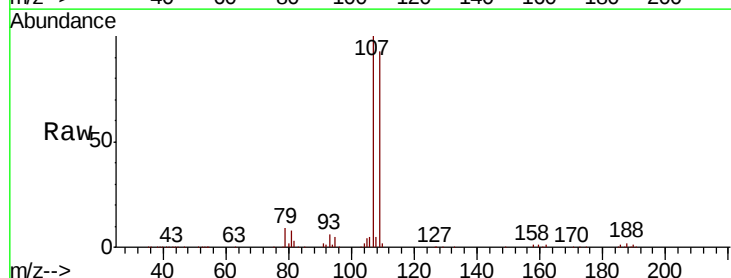
Acq: 23 May 2019 10:25

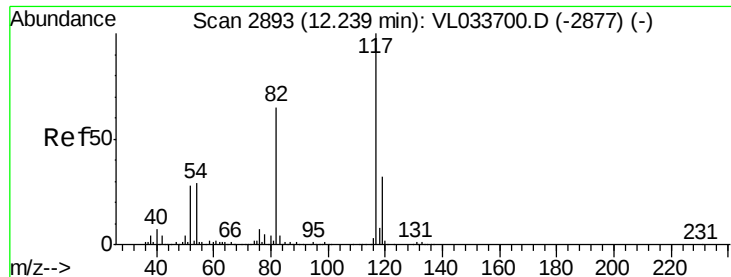
Tgt Ion:107 Resp: 1341486

Ion Ratio Lower Upper

107 100

109 93.4 75.2 112.8





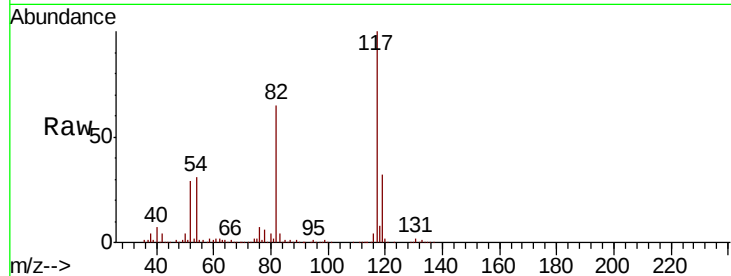
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033769.D
Acq: 23 May 2019 10:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

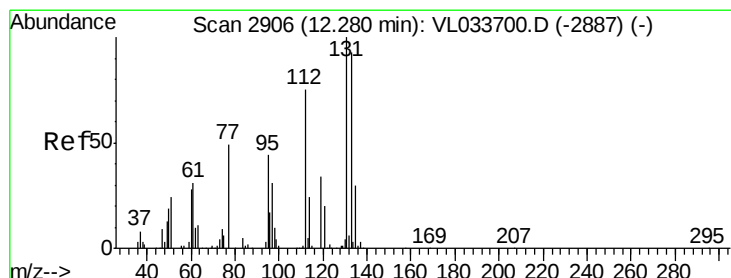
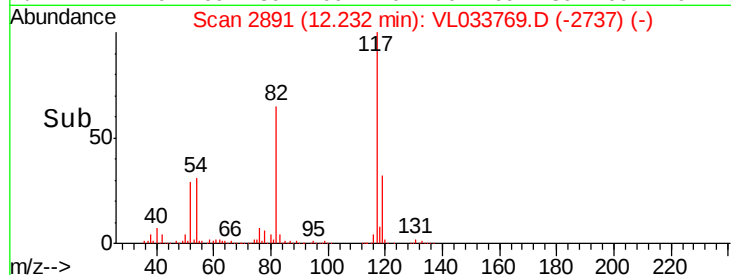
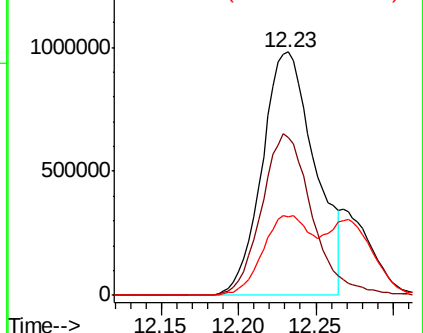
Tot Ion	Ratio	Lower	Upper
117	100		
82	64.0	49.4	74.0
119	28.5	24.9	37.3

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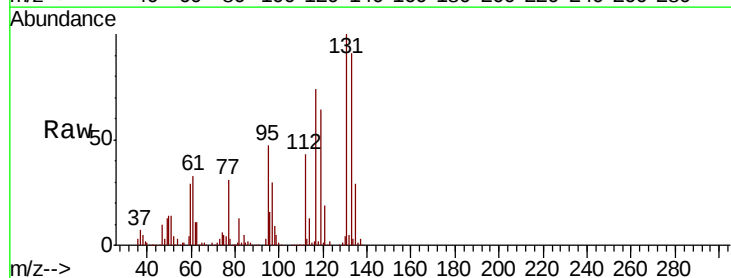


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

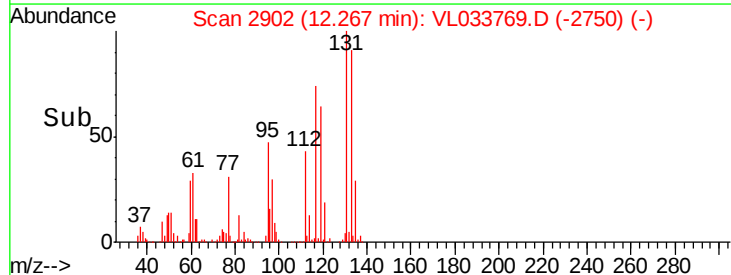
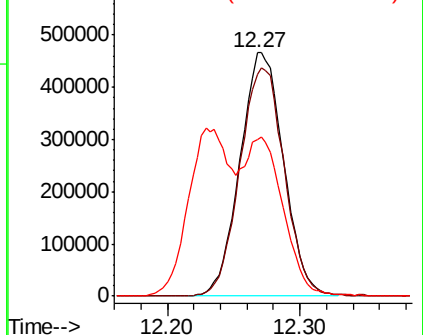


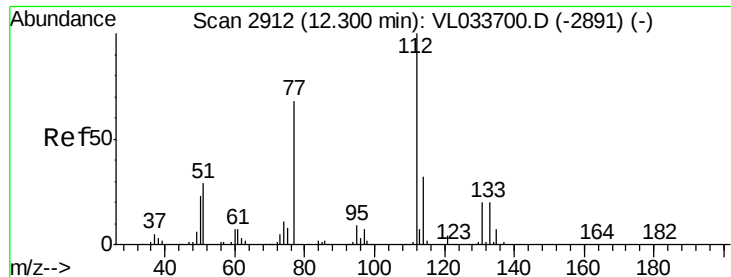
#56
1,1,1,2-Tetrachloroethane
Concen: 9.876 ppbv
RT: 12.27 min Scan# 2902
Delta R.T. -0.01 min
Lab File: VL033769.D
Acq: 23 May 2019 10:25

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	76.6	114.8
119	65.1	49.0	73.4



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





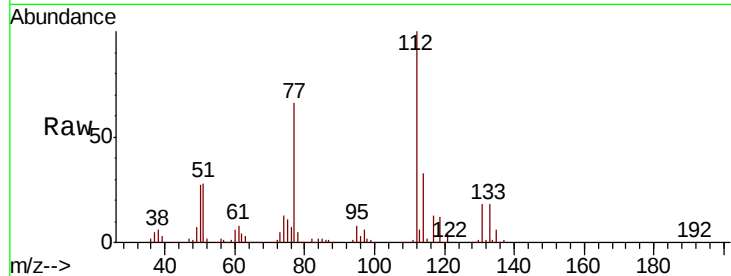
#57
Chlorobenzene
Concen: 9.721 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL033769.D
Acq: 23 May 2019 10:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	65.8	55.4	83.0
114	32.5	29.3	35.8

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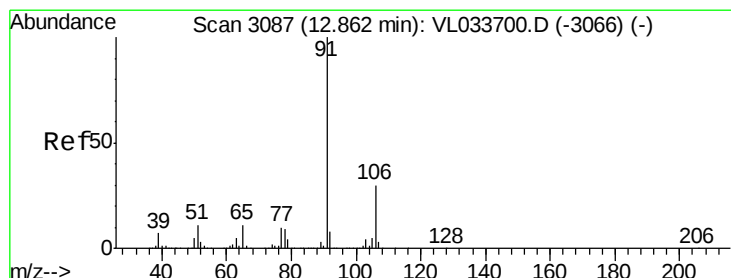
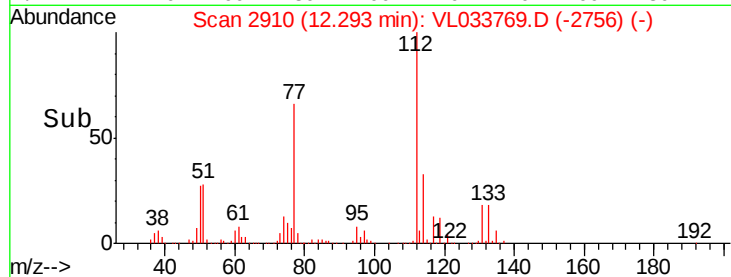
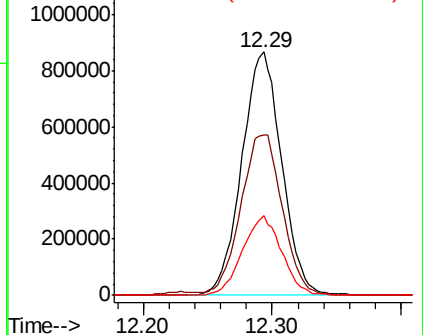


Abundance

Ion 112.10 (111.80 to 112.80): V

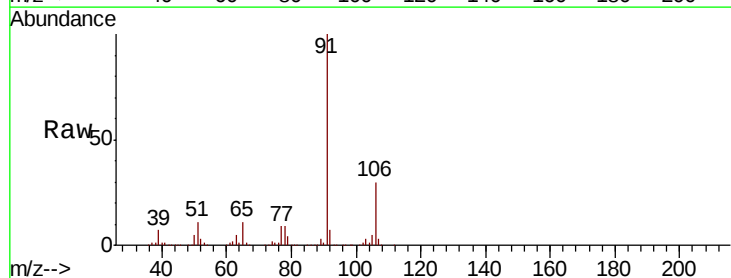
Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58
Ethyl Benzene
Concen: 10.797 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033769.D
Acq: 23 May 2019 10:25

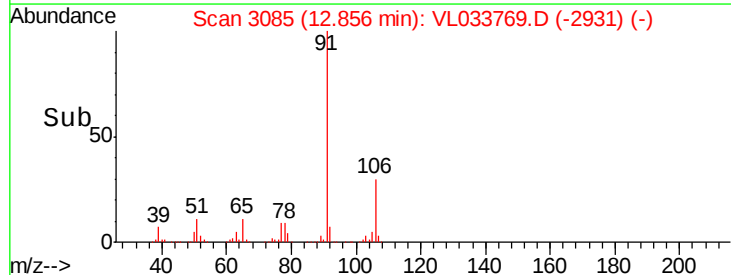
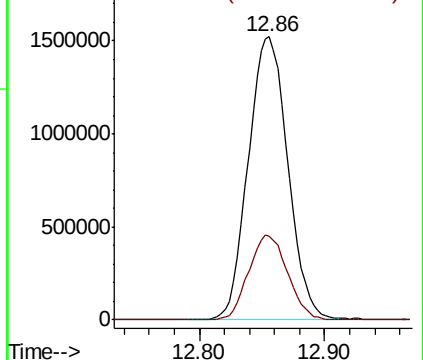
Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.9	35.9

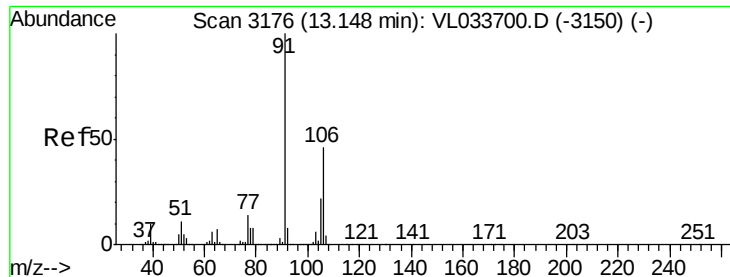


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 21.656 ppbv m

RT: 13.14 min Scan# 3174

Delta R.T. -0.01 min

Lab File: VL033769.D

Acq: 23 May 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 5845864

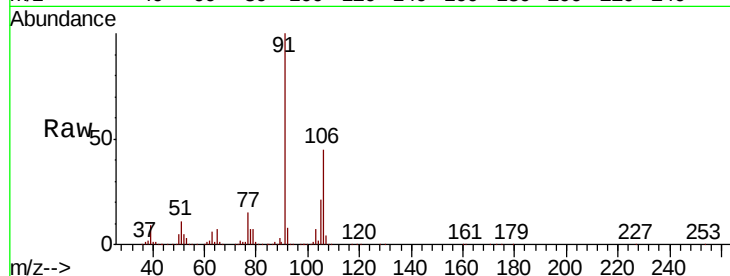
Ion Ratio Lower Upper

91 100

106 44.9 35.8 53.6

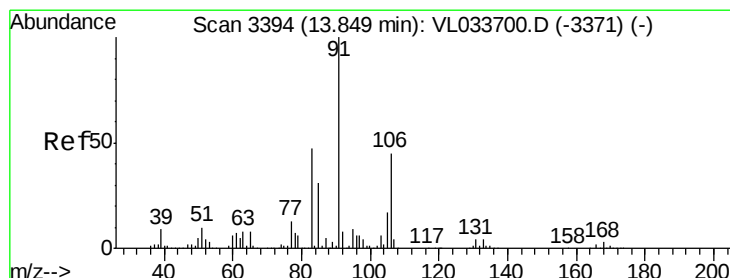
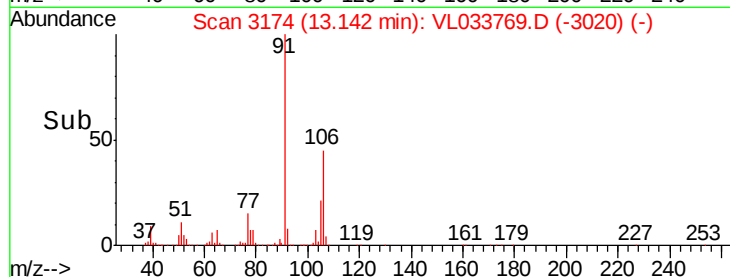
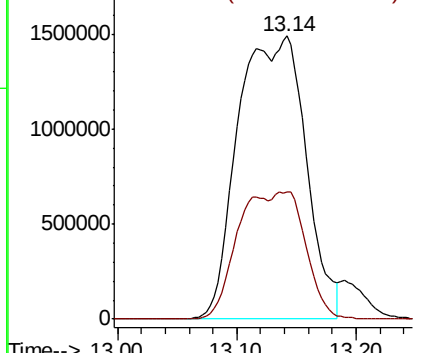
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 10.516 ppbv

RT: 13.84 min Scan# 3392

Delta R.T. -0.01 min

Lab File: VL033769.D

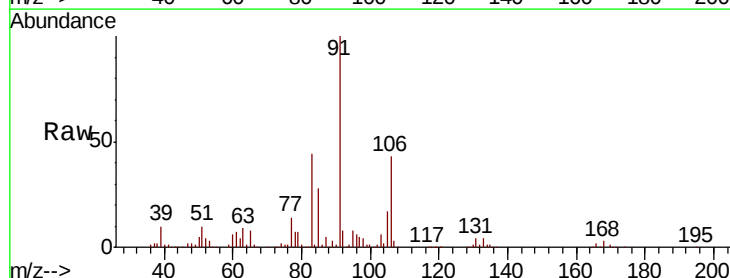
Acq: 23 May 2019 10:25

Tgt Ion: 91 Resp: 2861613

Ion Ratio Lower Upper

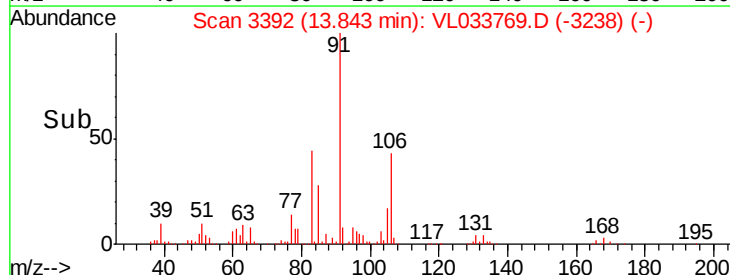
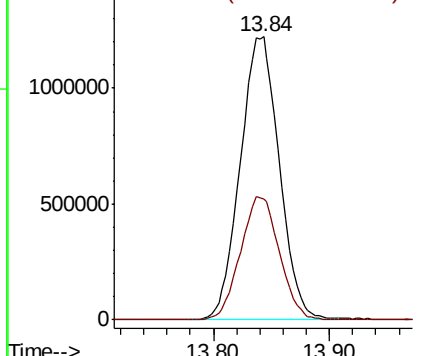
91 100

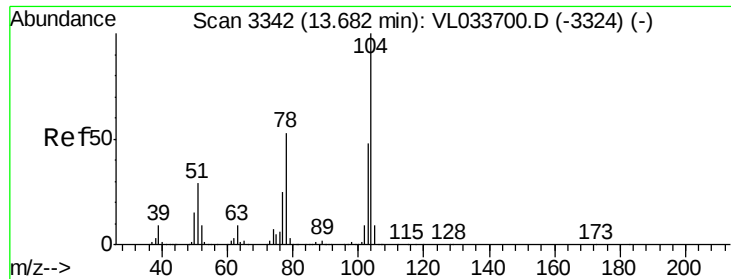
106 43.7 21.6 64.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





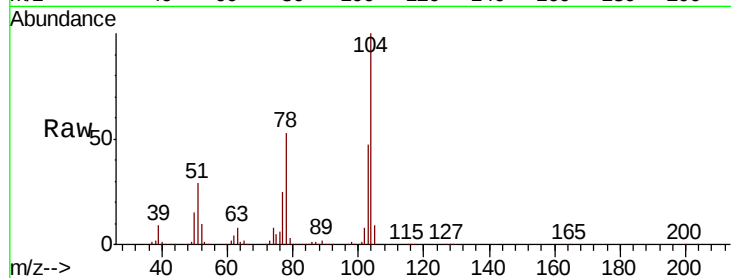
#61
Stvrene
Concen: 11.646 ppbv
RT: 13.68 min Scan# 3340
Delta R.T. -0.01 min
Lab File: VL033769.D
Acq: 23 May 2019 10:25

Instrument :
MSVOA_L
ClientSampled :
VSTDCCC010

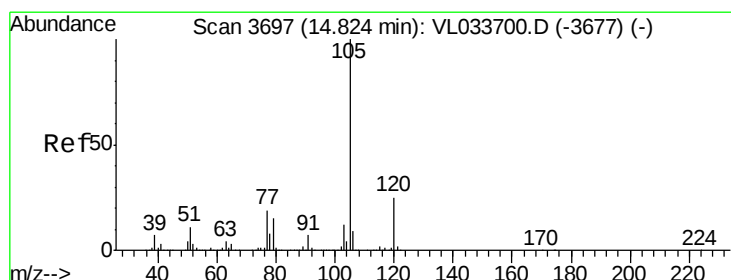
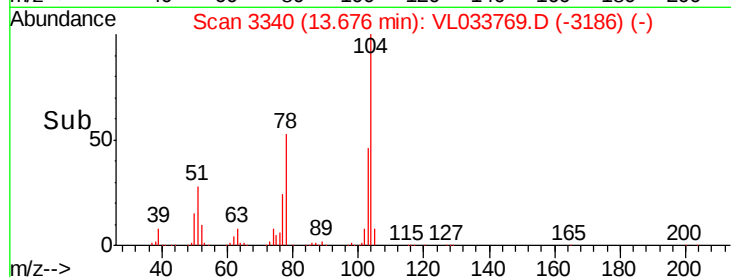
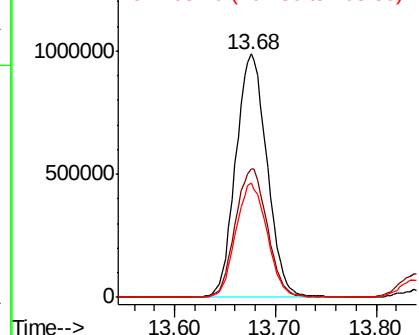
Tot Ion	Ratio	Lower	Upper
104	100		
78	54.1	42.6	64.0
103	47.2	37.8	56.6

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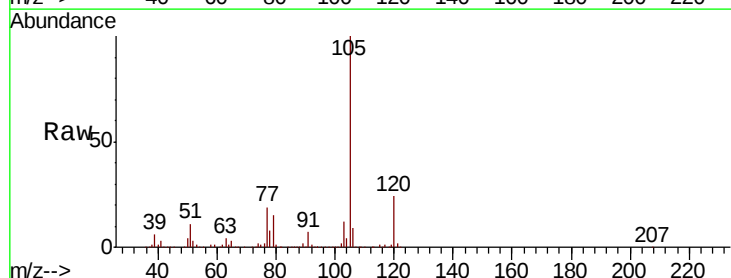


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

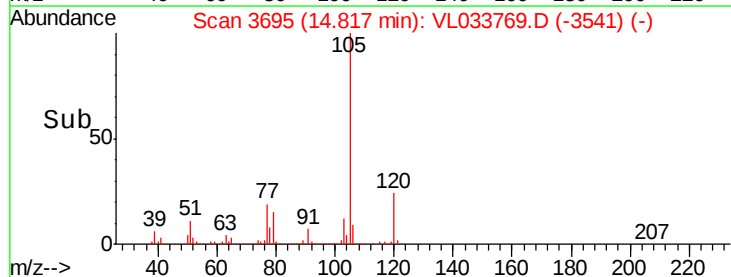
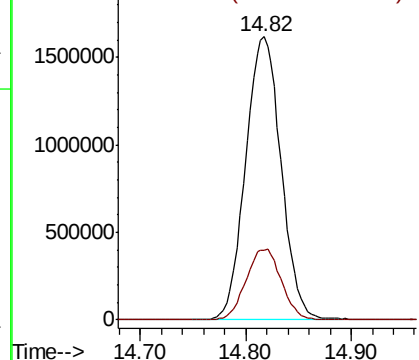


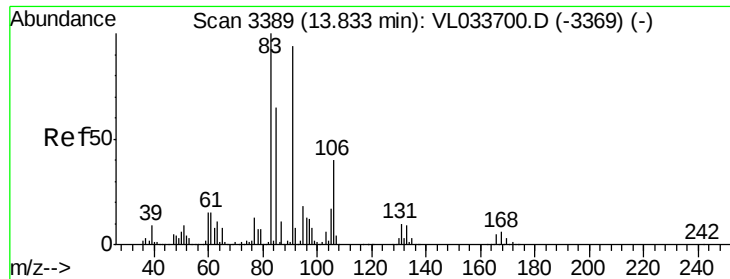
#62
Isopropylbenzene
Concen: 10.335 ppbv
RT: 14.82 min Scan# 3695
Delta R.T. -0.01 min
Lab File: VL033769.D
Acq: 23 May 2019 10:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.9	20.1	30.1



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





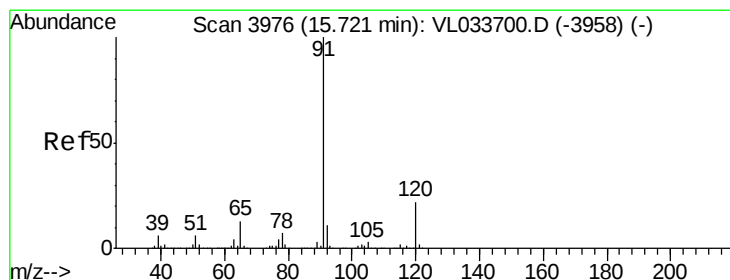
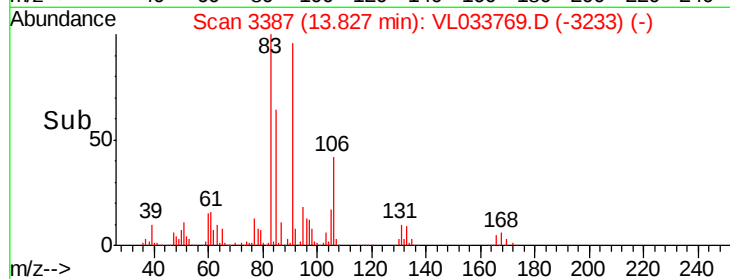
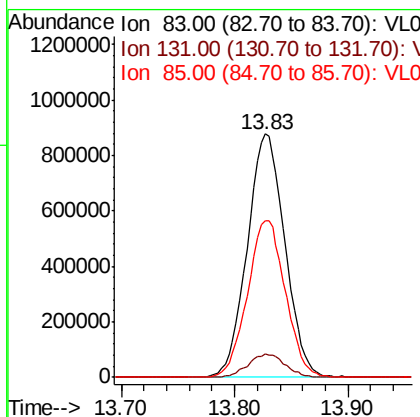
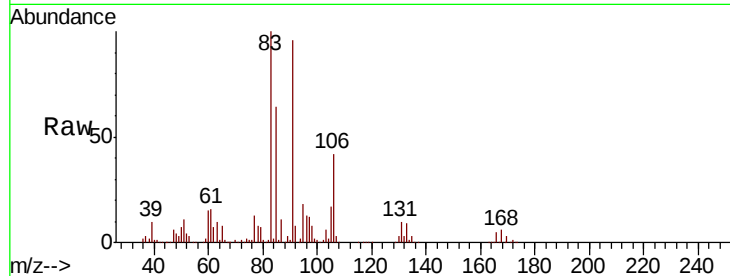
#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.223 ppbv
 RT: 13.83 min Scan# 3387
 Delta R.T. -0.01 min
 Lab File: VL033769.D
 Acq: 23 May 2019 10:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	83	Resp	2023144
Ion Ratio	100	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	65.1	32.3	96.9

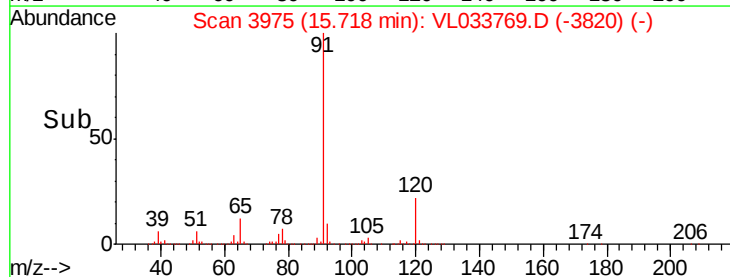
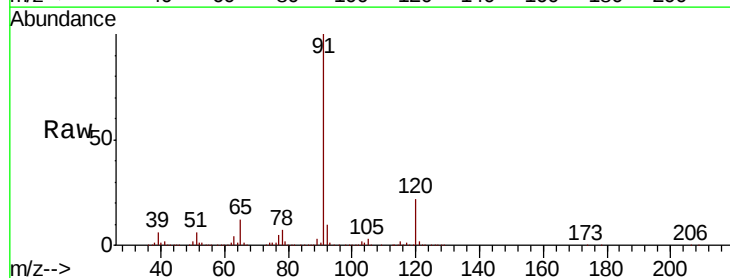
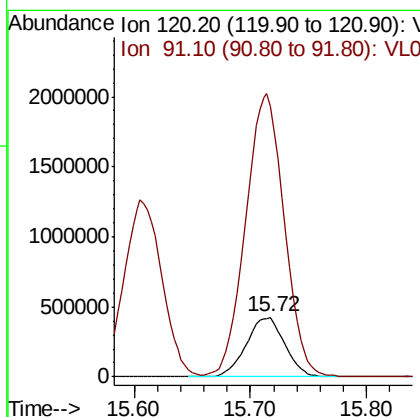
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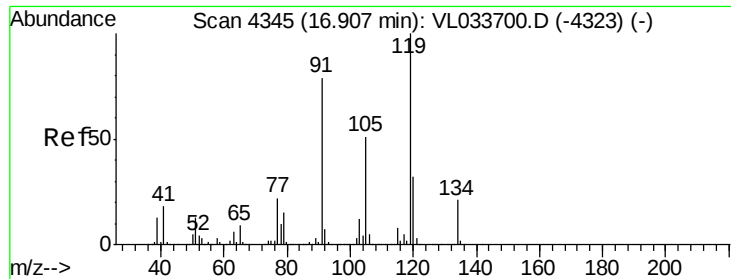
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#64
 n-propylbenzene
 Concen: 10.345 ppbv
 RT: 15.72 min Scan# 3975
 Delta R.T. -0.00 min
 Lab File: VL033769.D
 Acq: 23 May 2019 10:25

Tgt Ion	120	Resp	980681
Ion Ratio	100	Lower	Upper
120	100		
91	478.5	379.1	568.7





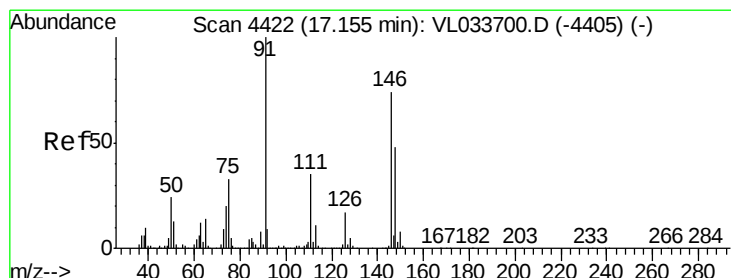
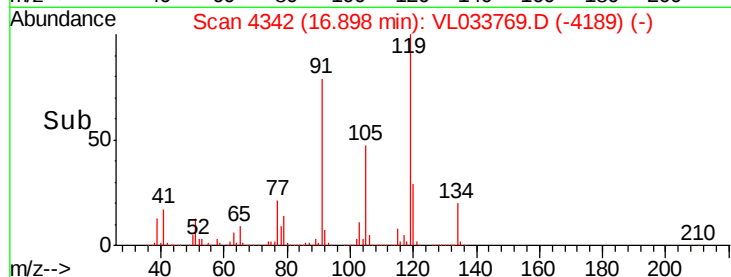
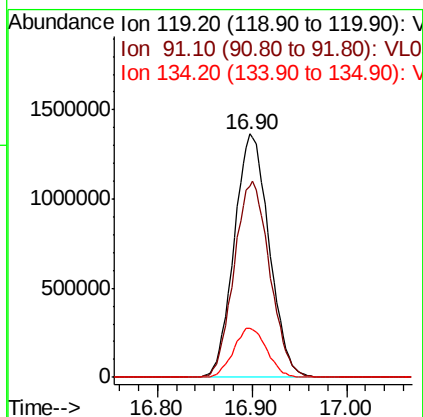
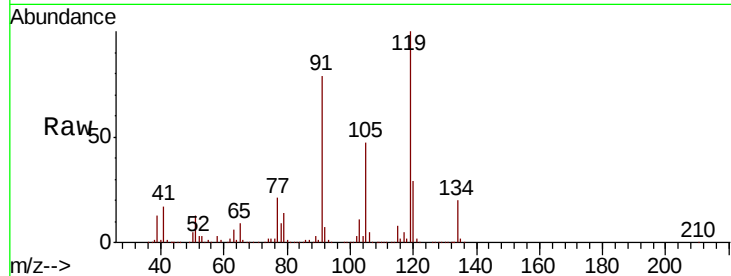
#65
 tert-Butylbenzene
 Concen: 10.440 ppbv
 RT: 16.90 min Scan# 4342
 Delta R.T. -0.01 min
 Lab File: VL033769.D
 Acq: 23 May 2019 10:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	82.3	65.3	97.9
134	19.3	15.7	23.5

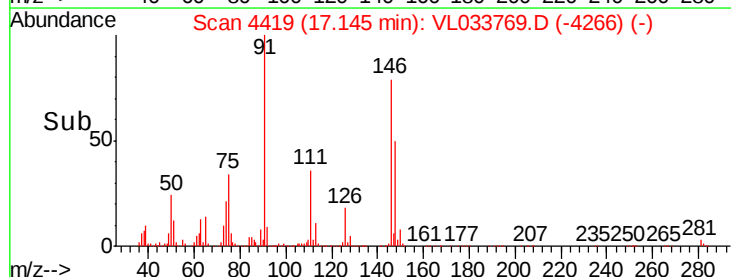
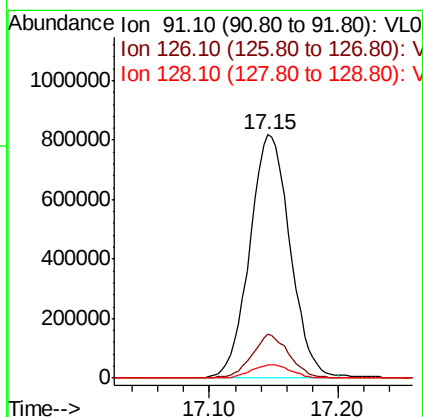
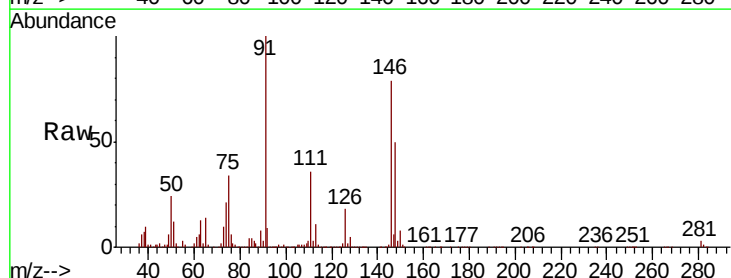
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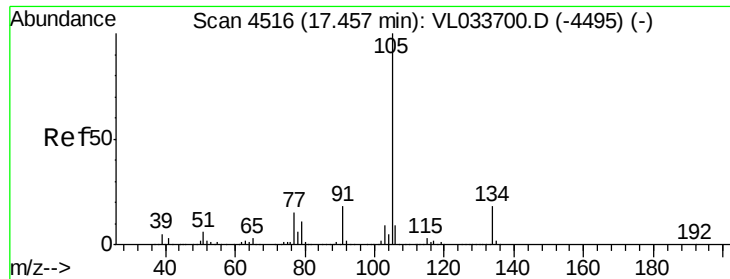
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#66
 Benzyl Chloride
 Concen: 11.196 ppbv
 RT: 17.15 min Scan# 4419
 Delta R.T. -0.01 min
 Lab File: VL033769.D
 Acq: 23 May 2019 10:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.8	13.5	20.3
128	5.5	4.3	6.5





#67

sec-Butylbenzene

Concen: 10.372 ppbv

RT: 17.45 min Scan# 4514

Delta R.T. -0.01 min

Lab File: VL033769.D

Acq: 23 May 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 4857591

Ion Ratio Lower Upper

105 100

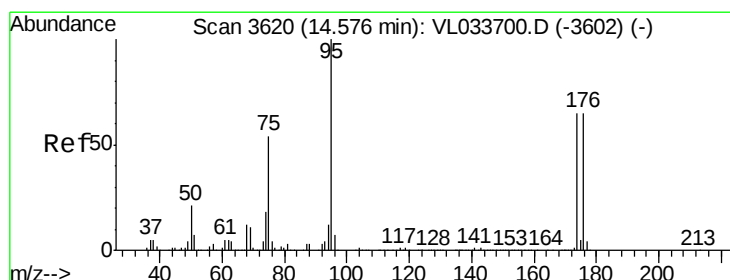
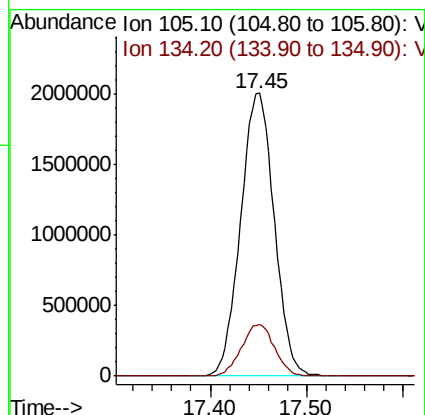
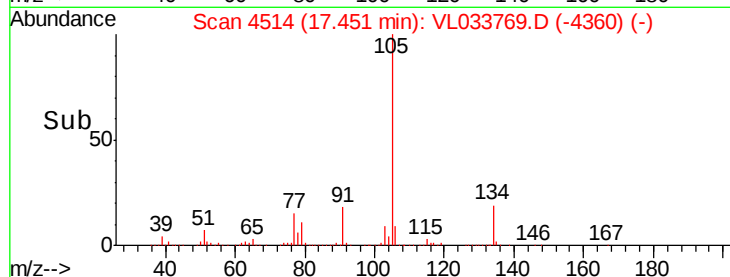
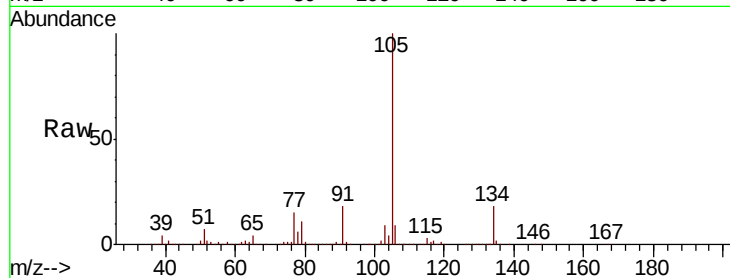
134 18.1 14.6 22.0

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.696 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL033769.D

Acq: 23 May 2019 10:25

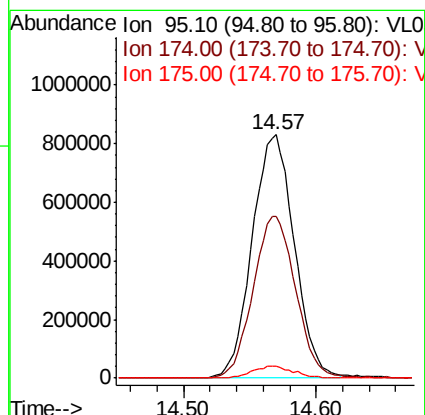
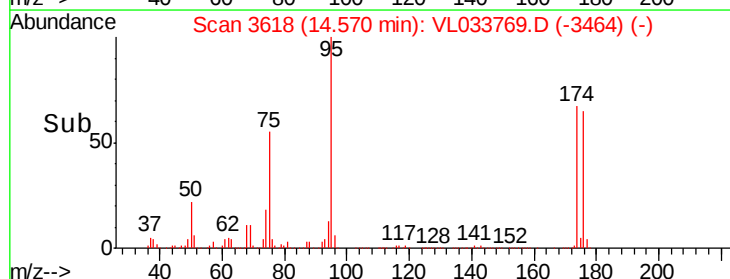
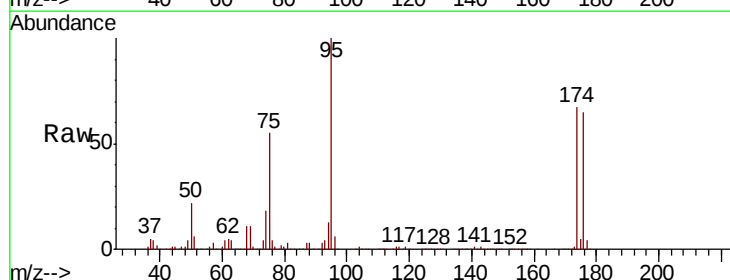
Tgt Ion: 95 Resp: 1833059

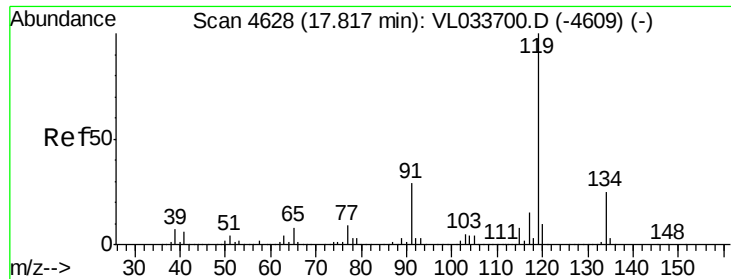
Ion Ratio Lower Upper

95 100

174 67.6 53.9 80.9

175 4.9 3.8 5.8





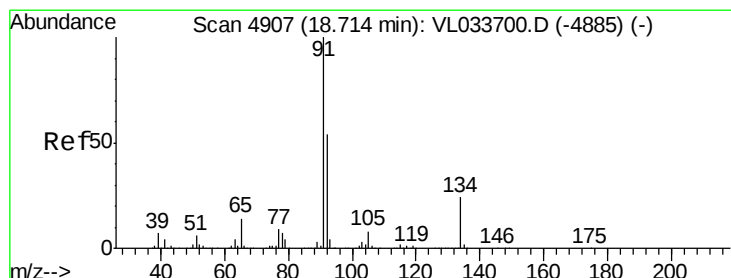
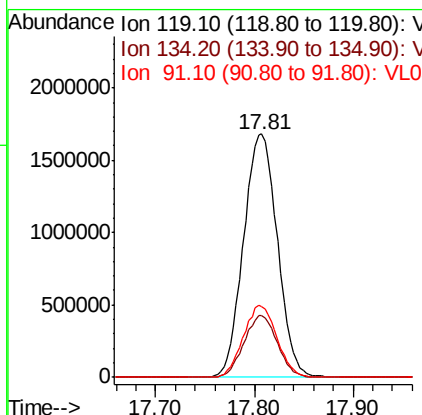
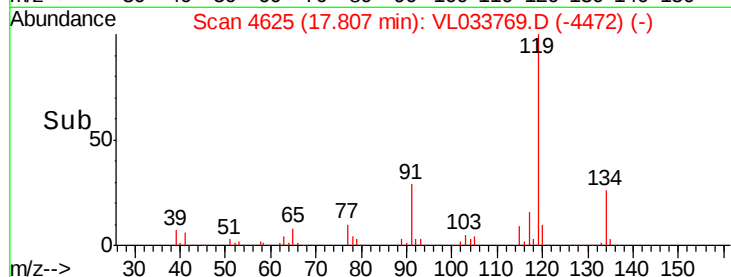
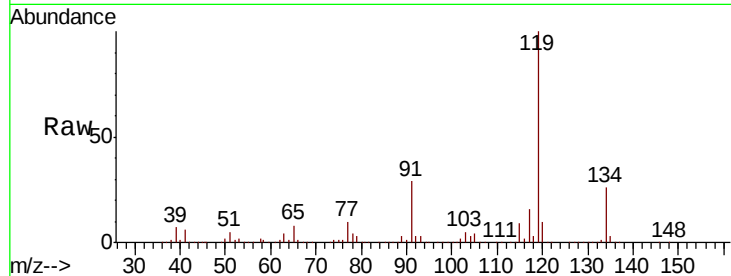
#69
 p-Isopropyltoluene
 Concen: 10.293 ppbv
 RT: 17.81 min Scan# 4625
 Delta R.T. -0.01 min
 Lab File: VL033769.D
 Acq: 23 May 2019 10:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.3	30.5
91	29.4	23.1	34.7

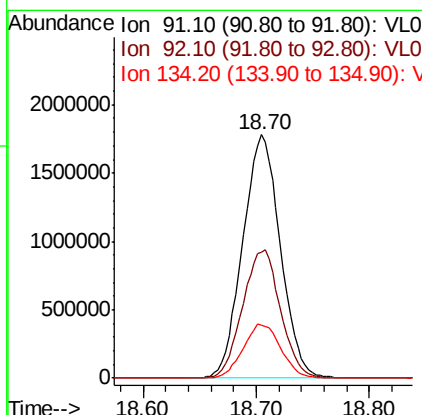
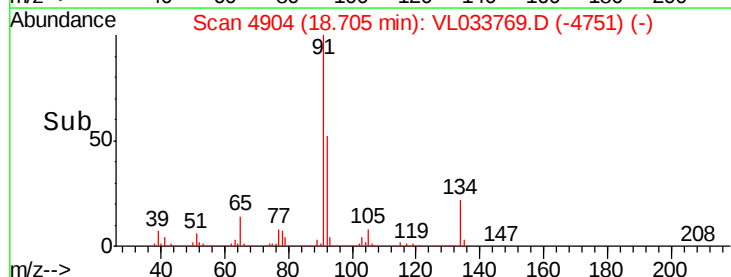
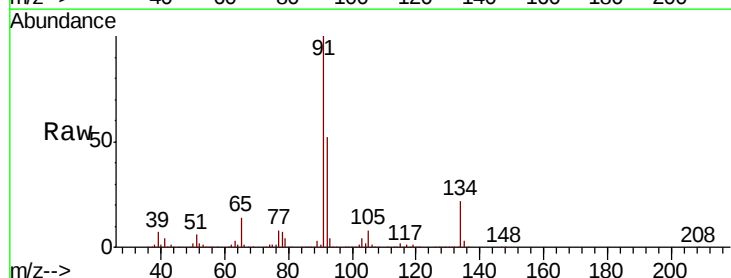
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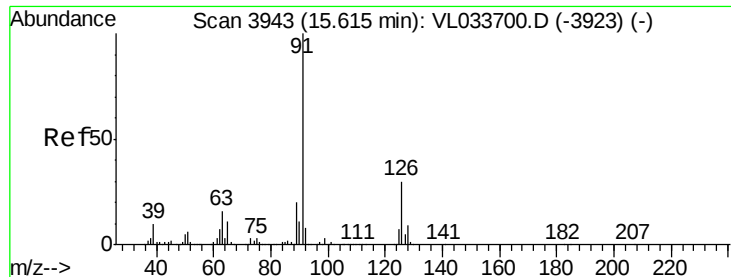
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#70
 n-Butylbenzene
 Concen: 9.889 ppbv
 RT: 18.70 min Scan# 4904
 Delta R.T. -0.01 min
 Lab File: VL033769.D
 Acq: 23 May 2019 10:25

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.1	42.6	63.8
134	22.3	18.1	27.1





#71

2-Chlorotoluene

Concen: 10.581 ppbv

RT: 15.60 min Scan# 3940

Delta R.T. -0.01 min

Lab File: VL033769.D

Acq: 23 May 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2876777

Ion Ratio Lower Upper

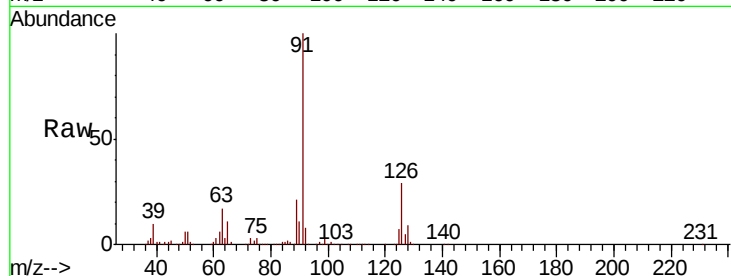
91 100

126 29.9 12.0 47.8

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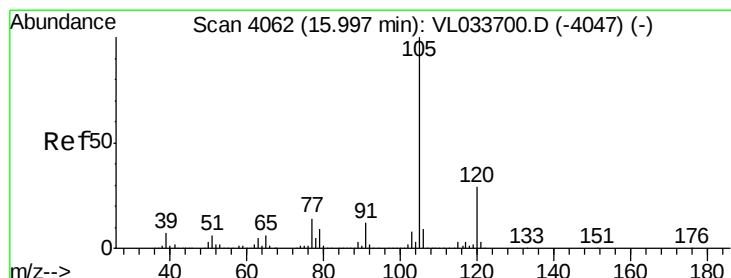
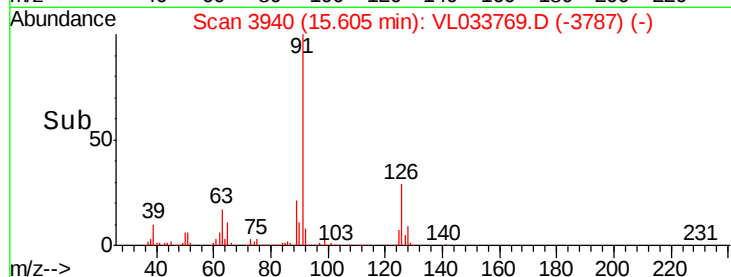
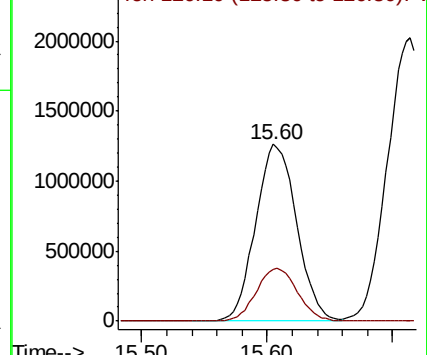
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.673 ppbv

RT: 15.99 min Scan# 4060

Delta R.T. -0.01 min

Lab File: VL033769.D

Acq: 23 May 2019 10:25

Tgt Ion:105 Resp: 3320633

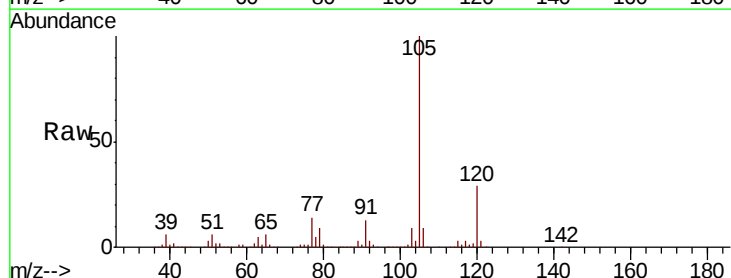
Ion Ratio Lower Upper

105 100

120 29.0 23.1 34.7

91 13.2 10.4 15.6

77 14.0 11.0 16.6

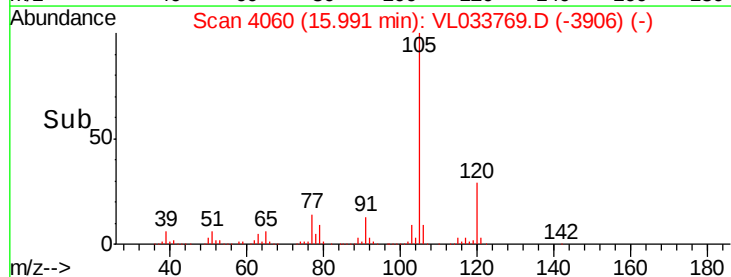
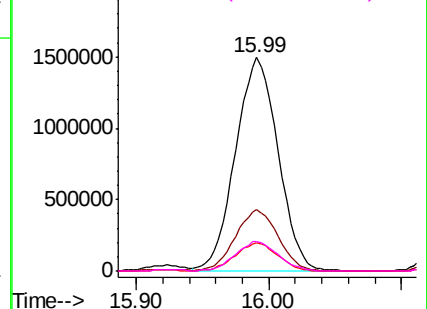


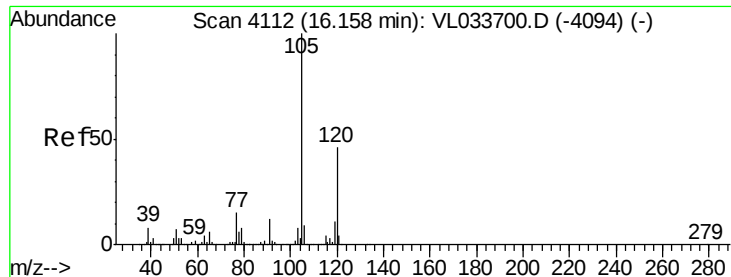
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 10.470 ppbv

RT: 16.15 min Scan# 4109

Delta R.T. -0.01 min

Lab File: VL033769.D

Acq: 23 May 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 3178390

Ion Ratio Lower Upper

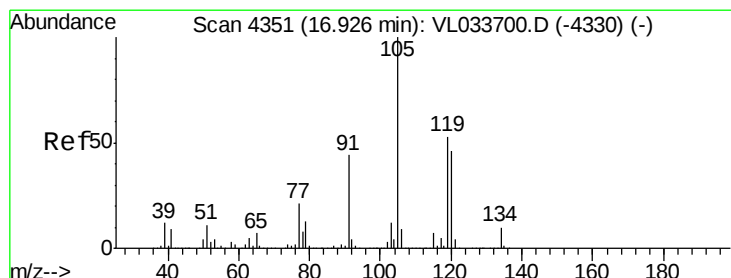
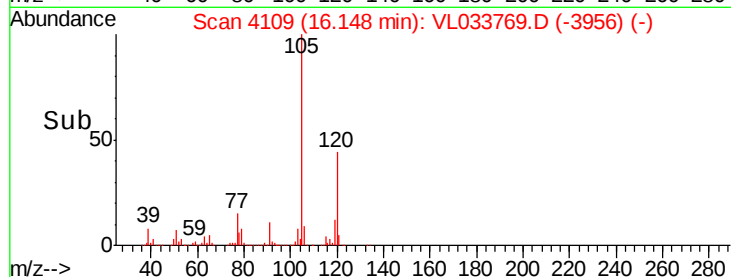
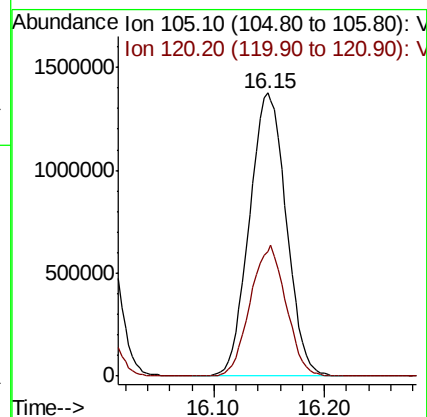
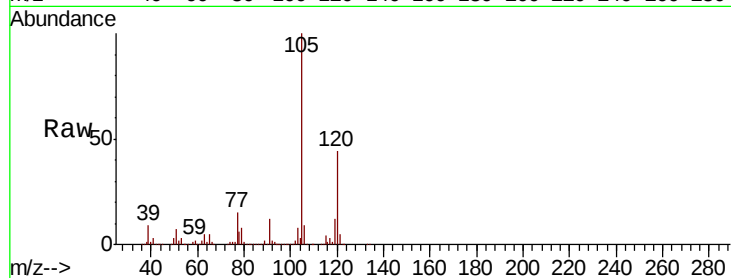
105 100

120 44.1 37.0 55.4

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#74

1,2,4-Trimethylbenzene

Concen: 10.101 ppbv

RT: 16.92 min Scan# 4348

Delta R.T. -0.01 min

Lab File: VL033769.D

Acq: 23 May 2019 10:25

Tgt Ion:105 Resp: 3337283

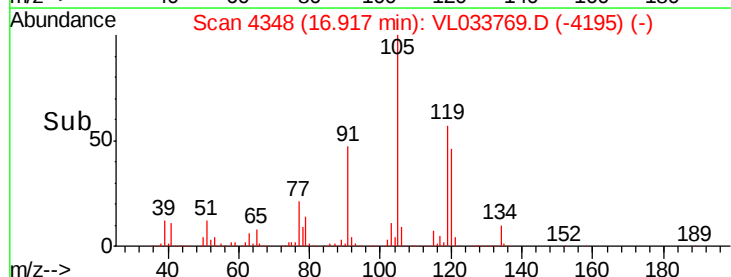
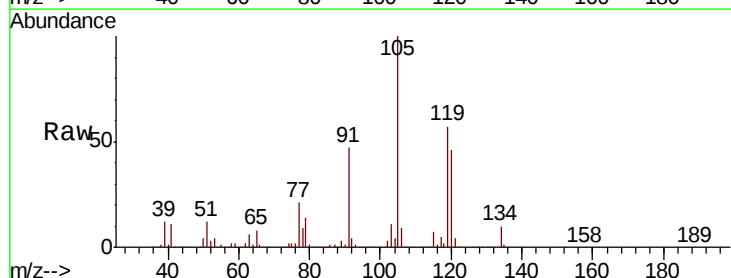
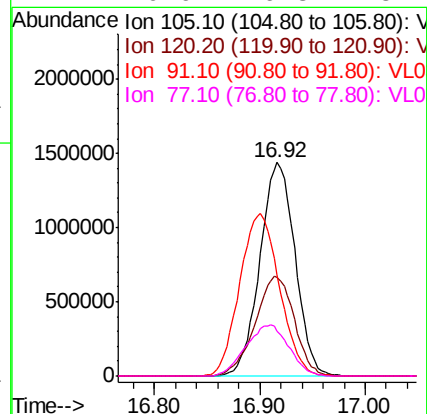
Ion Ratio Lower Upper

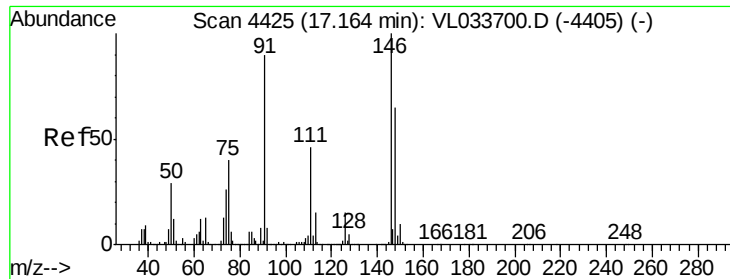
105 100

120 46.1 36.8 55.2

91 47.4 35.4 53.0

77 20.9 16.8 25.2





#75

1,3-Dichlorobenzene

Concen: 9.495 ppbv

RT: 17.15 min Scan# 4422

Delta R.T. -0.01 min

Lab File: VL033769.D

Acq: 23 May 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 1922302

Ion Ratio Lower Upper

146 100

111 45.4 22.9 68.8

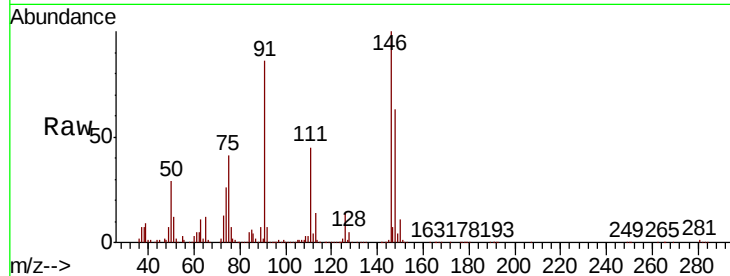
148 63.9 32.0 96.2

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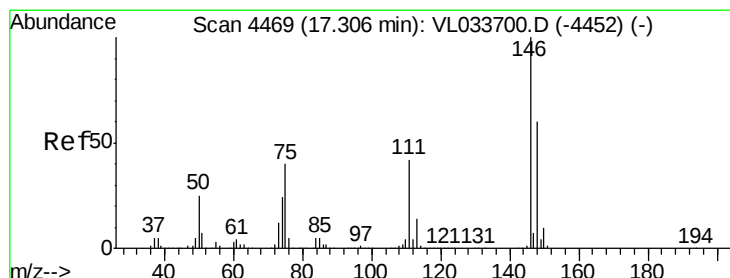
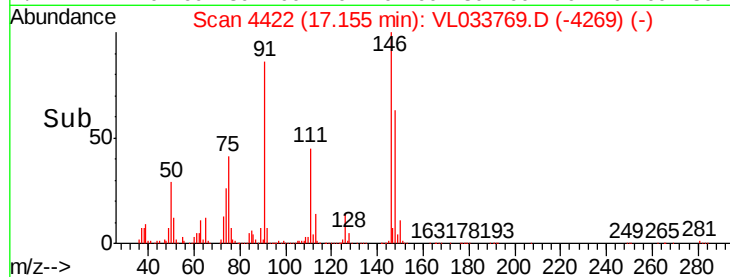
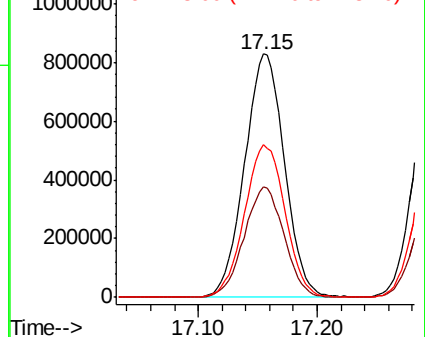


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.784 ppbv

RT: 17.30 min Scan# 4466

Delta R.T. -0.01 min

Lab File: VL033769.D

Acq: 23 May 2019 10:25

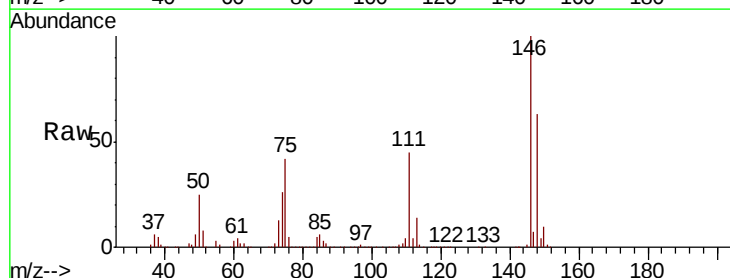
Tgt Ion:146 Resp: 1882628

Ion Ratio Lower Upper

146 100

111 44.3 21.9 65.8

148 64.5 32.1 96.3

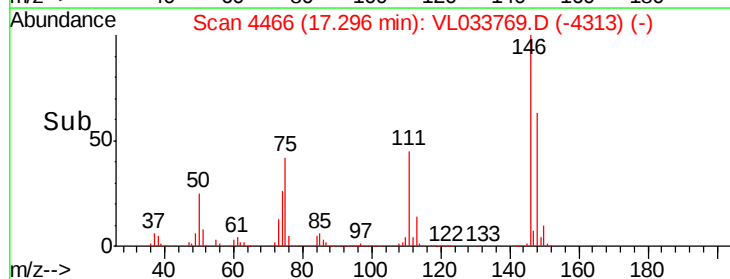
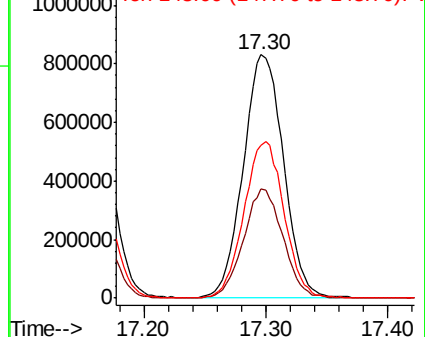


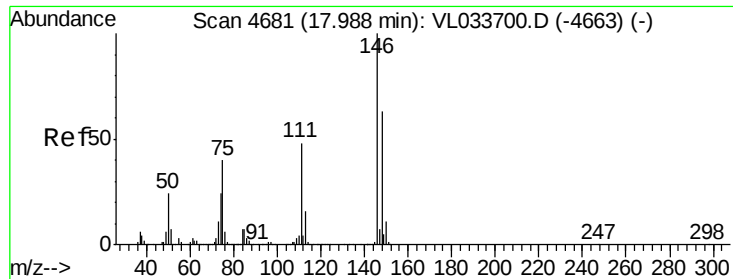
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





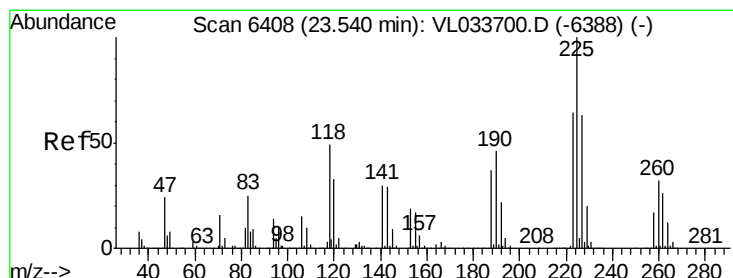
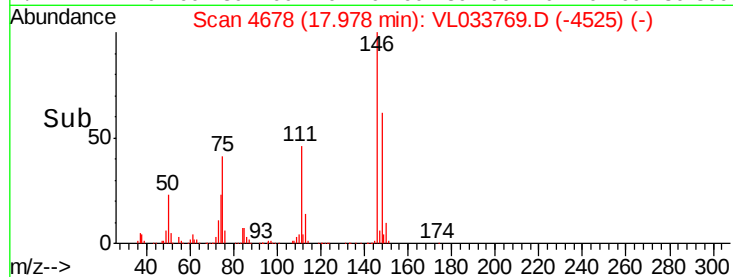
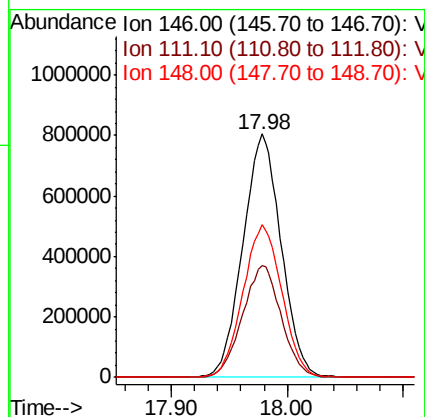
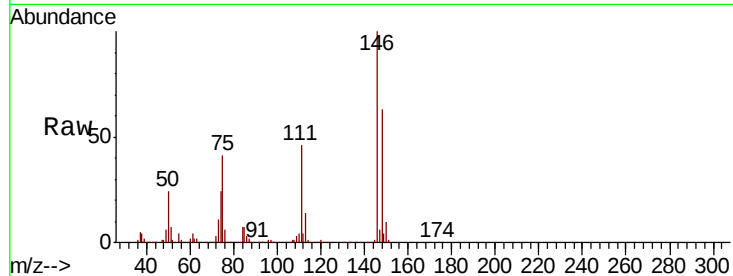
#77
 1,2-Dichlorobenzene
 Concen: 9.715 ppbv
 RT: 17.98 min Scan# 4678
 Delta R.T. -0.01 min
 Lab File: VL033769.D
 Acq: 23 May 2019 10:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.6	23.5	70.5
148	63.8	32.1	96.3

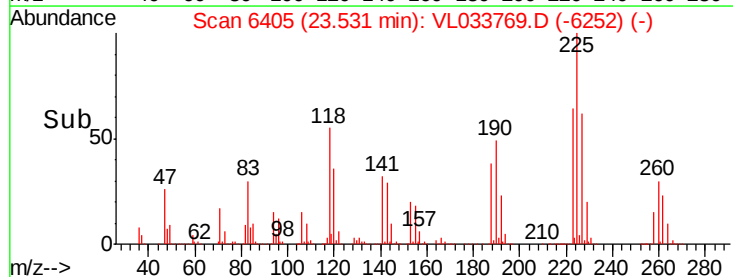
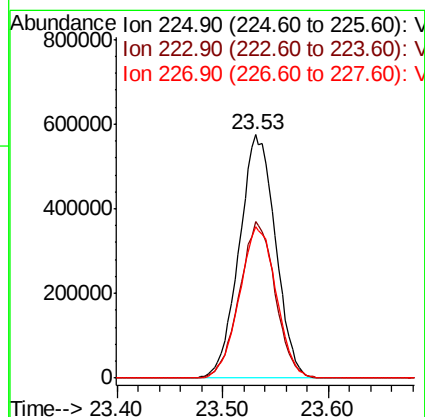
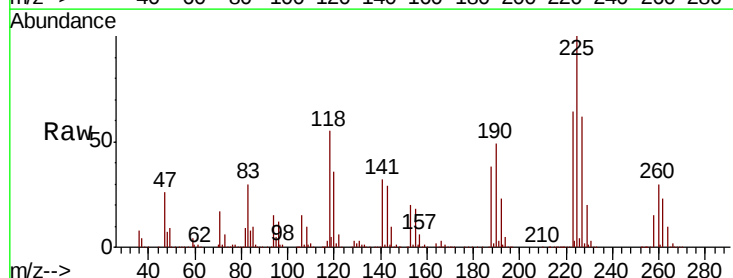
Manual Integrations
 APPROVED

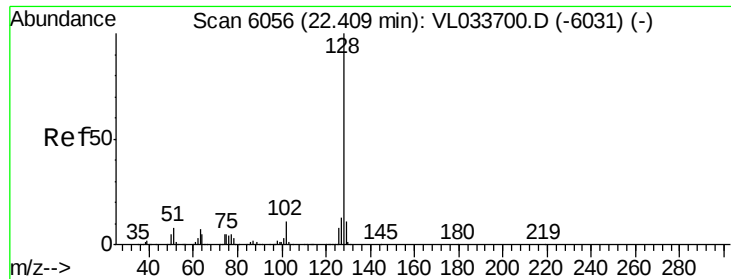
MMDadoda
 5/28/2019 2:53:15 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.564 ppbv
 RT: 23.53 min Scan# 6405
 Delta R.T. -0.01 min
 Lab File: VL033769.D
 Acq: 23 May 2019 10:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.2	75.4
227	63.1	50.7	76.1





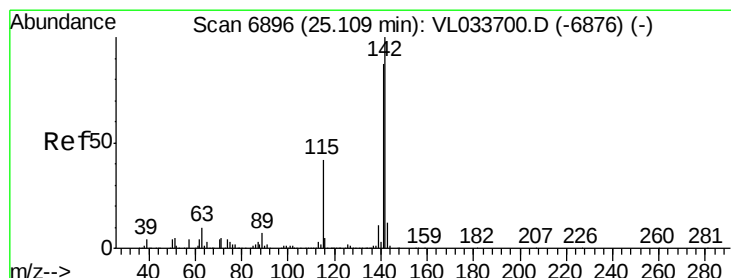
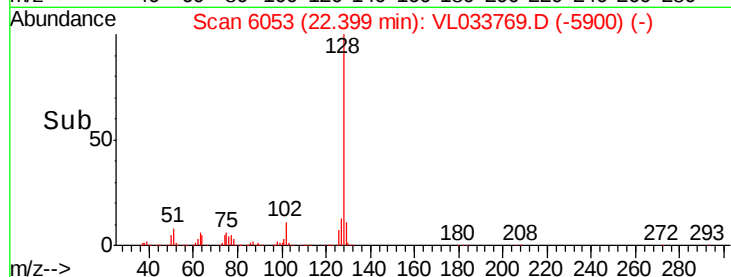
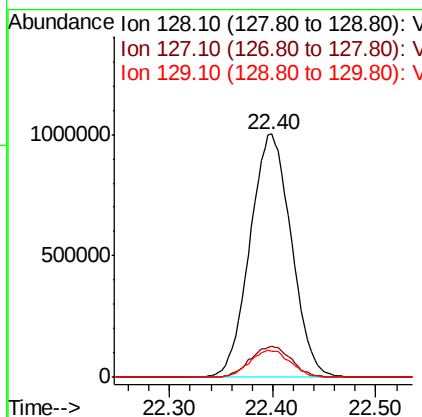
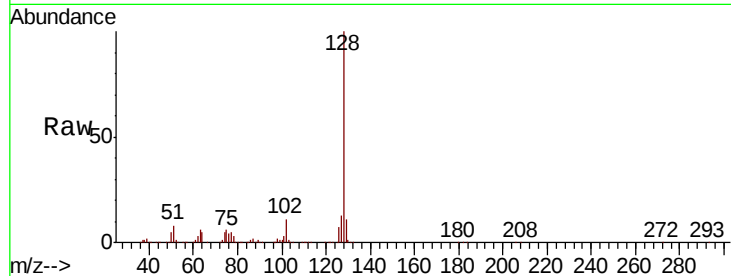
#79
Naphthalene
Concen: 9.074 ppbv
RT: 22.40 min Scan# 6053
Delta R.T. -0.01 min
Lab File: VL033769.D
Acq: 23 May 2019 10:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.9	8.9	13.3

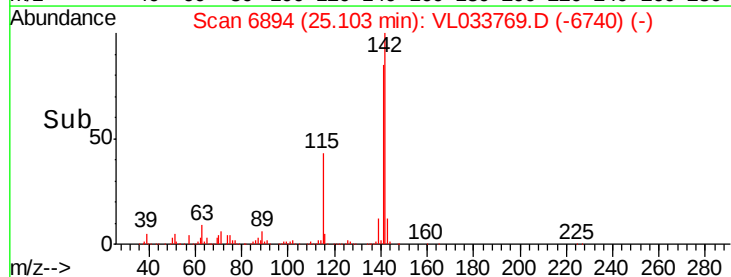
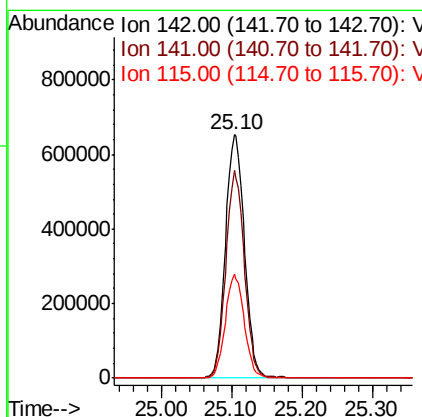
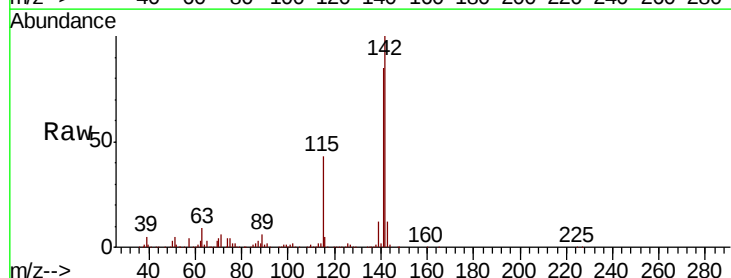
Manual Integrations
APPROVED

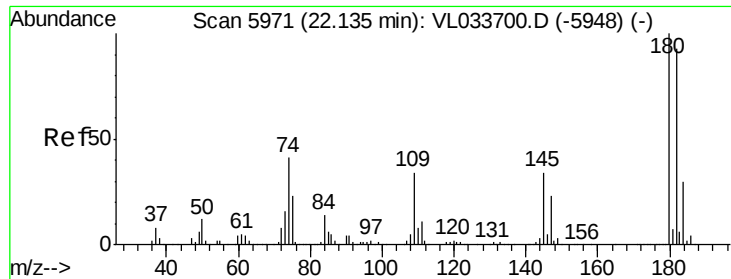
MMDadoda
5/28/2019 2:53:15 AM



#80
Naphthalene, 2-methyl-
Concen: 10.615 ppbv
RT: 25.10 min Scan# 6894
Delta R.T. -0.01 min
Lab File: VL033769.D
Acq: 23 May 2019 10:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.0	67.2	100.8
115	42.2	34.1	51.1





#81
 1,2,4-Trichlorobenzene
 Concen: 8.731 ppbv
 RT: 22.12 min Scan# 5967
 Delta R.T. -0.01 min
 Lab File: VL033769.D
 Acq: 23 May 2019 10:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:	180	Resp:	1568916
Ion Ratio	Lower	Upper	
180	100		
182	96.3	76.1	114.1
184	30.9	24.6	37.0

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 2:53:15 AM

