

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071119\
 Data File : VL034033.D
 Acq On : 12 Jul 2019 9:30
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 7/12/2019 10:47:28 PM

Quant Time: Jul 12 15:45:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 0
 QLast Update : Tue Jul 02 19:31:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	957602	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.26	114	2753381	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.20	117	2837514m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.53	95	2134862	8.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	88.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	2181409	11.039	ppbv 98
3) Chlorodifluoromethane	2.99	51	1130985	9.564	ppbv 97
4) Chloromethane	3.15	50	679111	9.988	ppbv 99
5) Vinyl Chloride	3.27	62	742951	9.717	ppbv 96
6) Bromomethane	3.49	94	462439	10.257	ppbv 99
7) Chloroethane	3.57	64	280993	10.283	ppbv 98
8) Dichlorotetrafluoroethane	3.20	85	1801844	9.352	ppbv 100
9) Propene	3.01	41	495035	11.380	ppbv 96
10) Heptane	8.21	43	1404717	12.897	ppbv 98
11) Trichlorofluoromethane	3.98	101	1878315	8.453	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.52	101	1437130	9.137	ppbv 100
13) Ethanol	3.62	45	99280	7.347	ppbv 95
14) Bromoethene	3.76	108	646034	10.999	ppbv 97
15) Acetone	3.88	43	1383685	8.594	ppbv 98
16) 1,3-Butadiene	3.34	39	626973	11.028	ppbv 100
17) tert-Butyl alcohol	4.33	59	1026612	7.998	ppbv 100
18) 1,1-Dichloroethene	4.32	96	643464	9.185	ppbv 96
19) Isopropyl Alcohol	4.00	45	767601	7.103	ppbv 100
20) Methylene Chloride	4.38	84	558024	7.947	ppbv 97
21) Allyl Chloride	4.45	41	1063461	10.594	ppbv 96
22) trans-1,2-Dichloroethene	4.93	96	710134	10.639	ppbv 98
23) Vinyl Acetate	5.12	43	2116835	13.173	ppbv 97
24) 1,1-Dichloroethane	5.06	63	1594182	11.194	ppbv 99
25) Ethyl Acetate	5.73	43	2443284	11.095	ppbv 100
26) Hexane	5.75	57	1102062	10.936	ppbv 99
27) Carbon Disulfide	4.59	76	1748366	10.206	ppbv 98
28) Methyl tert-Butyl Ether	5.08	73	2152751	12.615	ppbv 99
29) Chloroform	5.81	83	1839294	9.712	ppbv 99
30) Cyclohexane	7.21	84	1043821	13.413	ppbv 97
31) cis-1,2-Dichloroethene	5.61	61	1130393	11.611	ppbv 97
32) 1,1,1-Trichloroethane	6.58	97	1836521	9.568	ppbv 98
34) 2-Butanone	5.30	43	1663205	11.414	ppbv 99
35) Carbon Tetrachloride	7.09	117	2103333	9.650	ppbv 99
36) Benzene	6.97	78	2538094	11.781	ppbv 99
37) 1,2-Dichloroethane	6.38	62	1399000	8.814	ppbv 97
38) Trichloroethene	7.92	130	1050015	10.953	ppbv 98
39) 1,2-Dichloropropane	7.70	63	909421	11.352	ppbv 93
40) 1,4-Dioxane	7.92	88	336018	9.085	ppbv # 93
41) Tetrahydrofuran	6.11	42	838461	11.733	ppbv 97
42) Bromodichloromethane	7.88	83	2191833	10.292	ppbv 99
43) Methyl Methacrylate	8.10	69	1027821	12.574	ppbv 98

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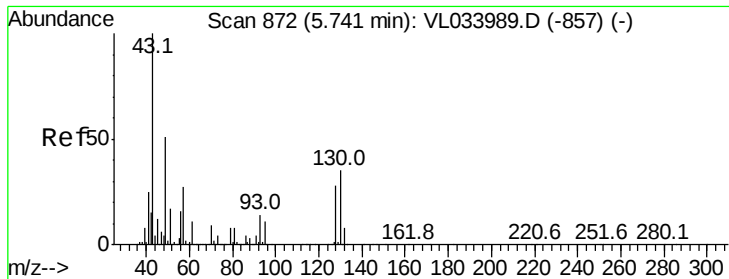
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.95	57	4161307	11.190	ppbv	99
45) t-1,3-Dichloropropene	9.37	75	1360311	12.726	ppbv	98
46) cis-1,3-Dichloropropene	8.80	75	1541098	12.449	ppbv	96
47) 1,1,2-Trichloroethane	9.58	97	1058626	10.510	ppbv	99
48) Dibromochloromethane	10.41	129	1866275	9.710	ppbv	99
49) Bromoform	13.16	173	1661162	10.117	ppbv	99
50) 4-Methyl-2-Pentanone	8.83	43	2473222	11.438	ppbv	99
51) 2-Hexanone	10.23	43	1977397	11.339	ppbv #	100
52) Tetrachloroethene	11.33	164	979490	10.563	ppbv	96
53) Toluene	9.90	91	3015507	12.227	ppbv	99
54) 1,2-Dibromoethane	10.72	107	1613774	10.856	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.24	131	1245034	9.817	ppbv	99
57) Chlorobenzene	12.26	112	2242125	9.925	ppbv	96
58) Ethyl Benzene	12.82	91	3995341	11.709	ppbv	98
59) m/p-Xylene	13.11	91	6549632m	21.199	ppbv	
60) o-Xylene	13.81	91	3251650	10.520	ppbv	98
61) Styrene	13.64	104	2461612	12.034	ppbv	99
62) Isopropylbenzene	14.79	105	4328543	9.110	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.80	83	2183895	9.128	ppbv	99
64) n-propylbenzene	15.68	120	1096442	8.899	ppbv	100
65) tert-Butylbenzene	16.87	119	3789963	9.380	ppbv	100
66) Benzyl Chloride	17.11	91	2043197	9.884	ppbv	100
67) sec-Butylbenzene	17.42	105	5376748	9.480	ppbv	100
69) p-Isopropyltoluene	17.77	119	4448608	9.514	ppbv	100
70) n-Butylbenzene	18.67	91	4745939	9.662	ppbv	99
71) 2-Chlorotoluene	15.58	91	3246139	9.335	ppbv	99
72) 4-Ethyltoluene	15.96	105	3820024	9.624	ppbv	97
73) 1,3,5-Trimethylbenzene	16.12	105	3585611	9.709	ppbv	99
74) 1,2,4-Trimethylbenzene	16.88	105	3745388	9.156	ppbv	99
75) 1,3-Dichlorobenzene	17.12	146	2189077	8.425	ppbv	100
76) 1,4-Dichlorobenzene	17.27	146	2167116	8.855	ppbv	100
77) 1,2-Dichlorobenzene	17.95	146	2136976	8.882	ppbv	99
78) Hexachloro-1,3-Butadiene	23.50	225	2191641	10.705	ppbv	98
79) Naphthalene	22.36	128	4028360	11.713	ppbv	98
80) Naphthalene, 2-methyl-	25.08	142	1478679	11.816	ppbv	97
81) 1,2,4-Trichlorobenzene	22.08	180	2266291	10.261	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.73 min Scan# 868

Delta R.T. -0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 957602

Ion Ratio Lower Upper

49 100

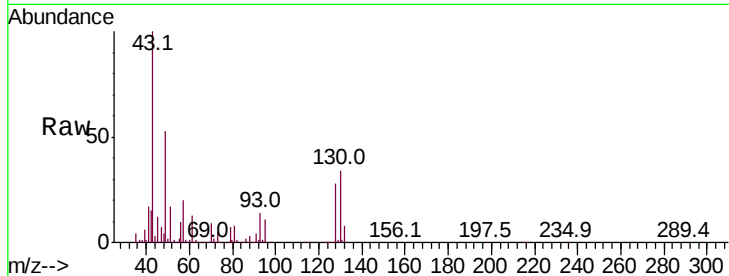
128 53.6 27.9 83.6

130 67.5 35.8 107.4

Manual Integrations
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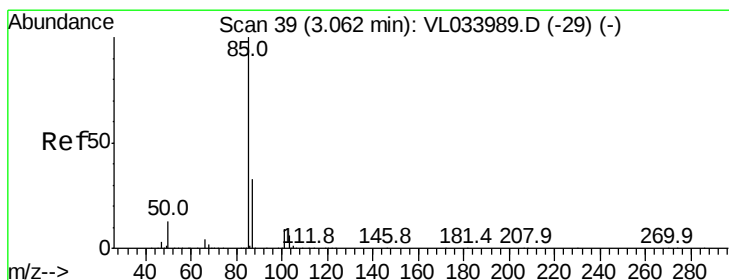
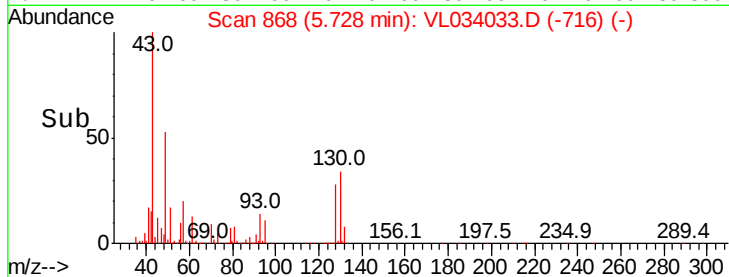
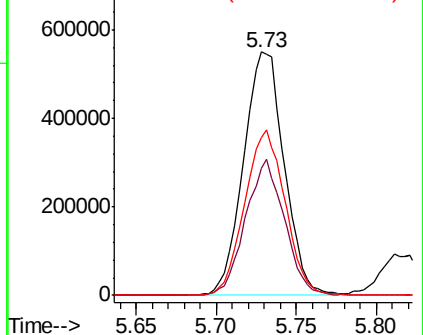
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 11.039 ppbv

RT: 3.06 min Scan# 37

Delta R.T. -0.01 min

Lab File: VL034033.D

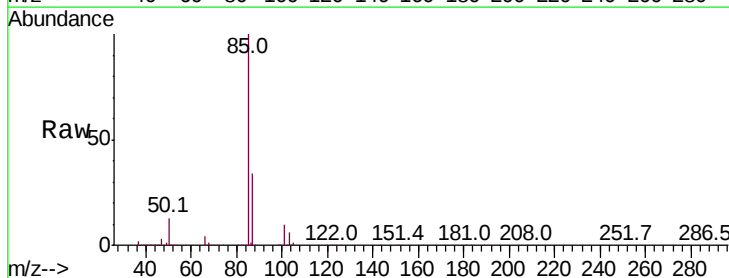
Acq: 12 Jul 2019 9:30

Tgt Ion: 85 Resp: 2181409

Ion Ratio Lower Upper

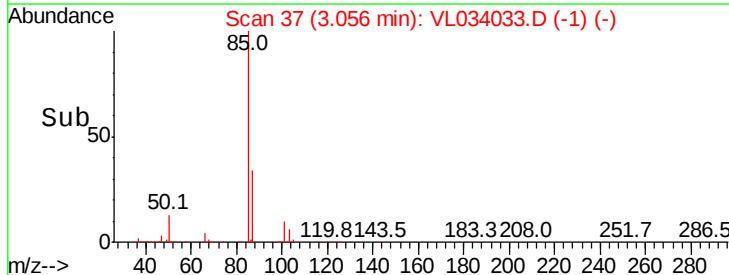
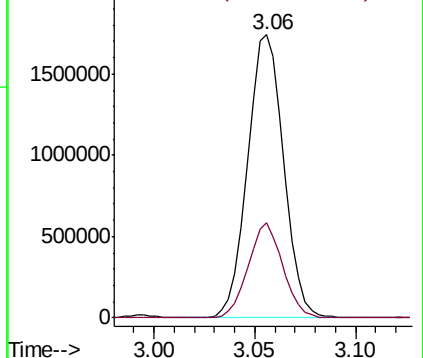
85 100

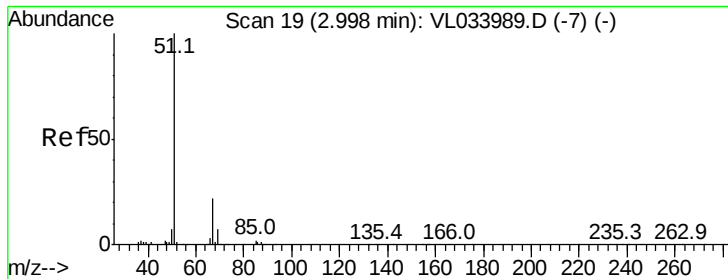
87 33.7 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.564 ppbv

RT: 2.99 min Scan# 18

Delta R.T. -0.00 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 1130985

Ion Ratio Lower Upper

51 100

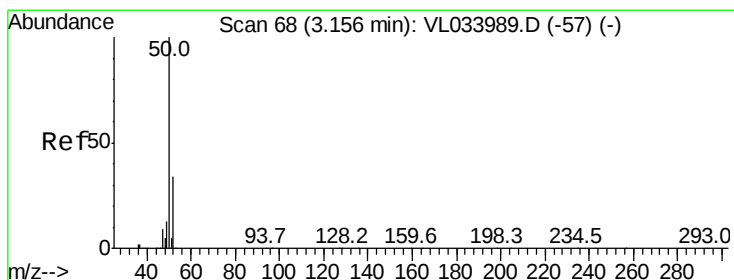
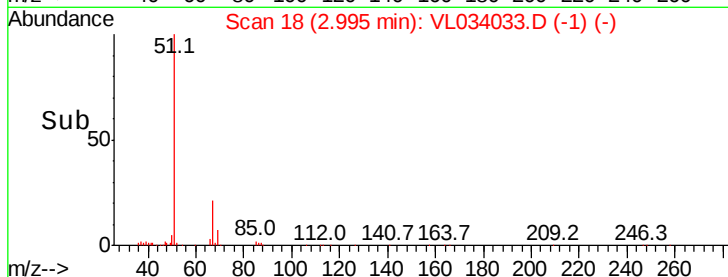
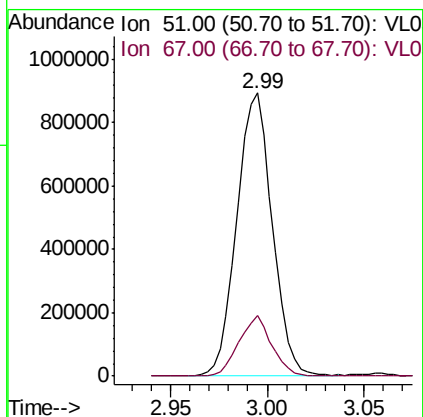
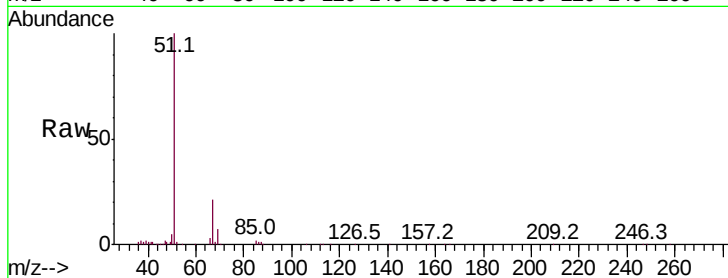
67 20.0 17.3 25.9

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#4

Chloromethane

Concen: 9.988 ppbv

RT: 3.15 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL034033.D

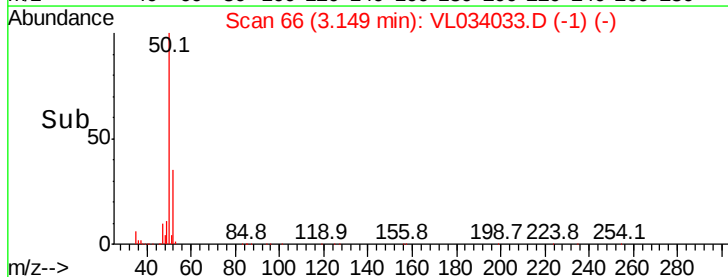
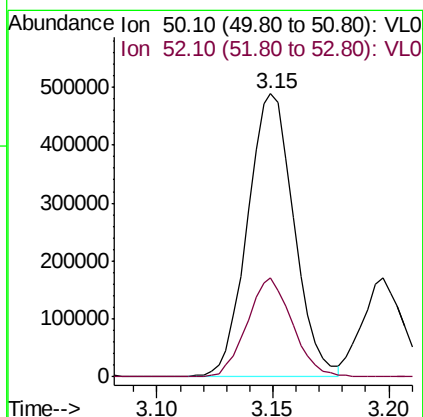
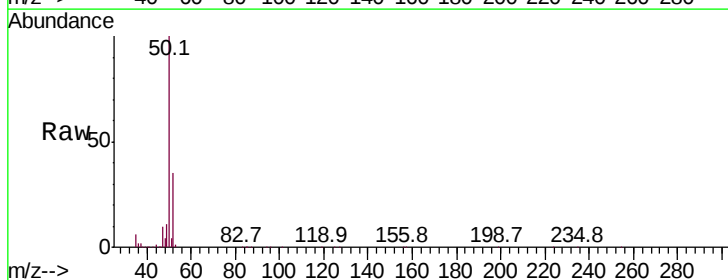
Acq: 12 Jul 2019 9:30

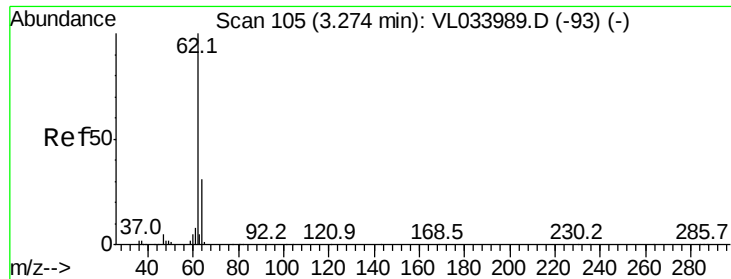
Tgt Ion: 50 Resp: 679111

Ion Ratio Lower Upper

50 100

52 34.9 27.4 41.0





#5

Vinyl Chloride

Concen: 9.717 ppbv

RT: 3.27 min Scan# 103

Delta R.T. -0.01 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 742951

Ion Ratio Lower Upper

62 100

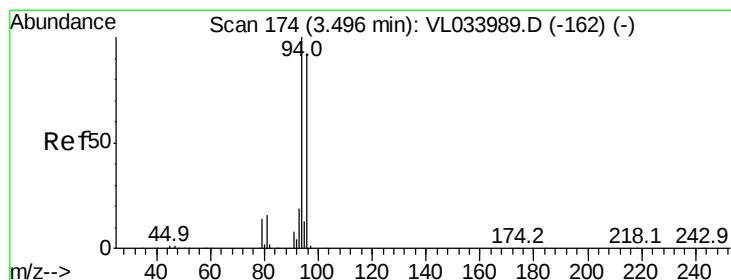
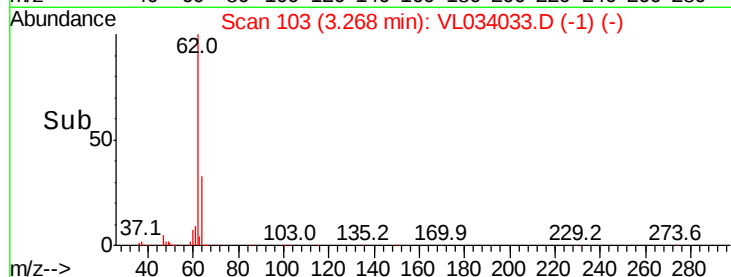
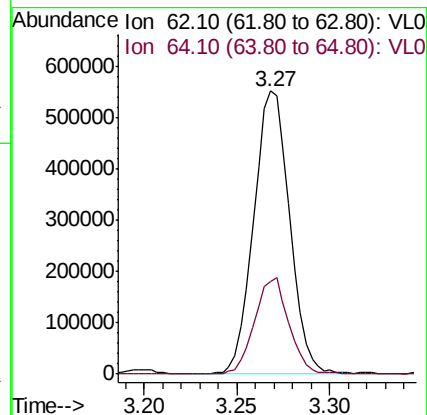
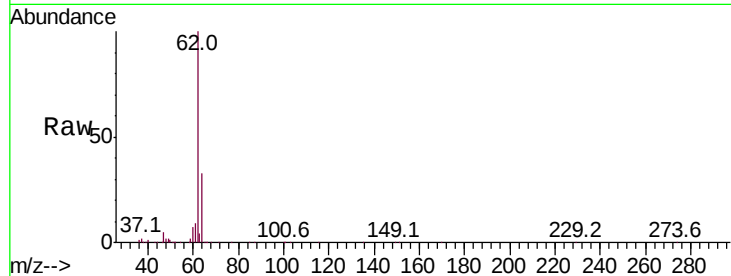
64 32.9 24.4 36.6

Manual Integrations

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#6

Bromomethane

Concen: 10.257 ppbv

RT: 3.49 min Scan# 173

Delta R.T. -0.00 min

Lab File: VL034033.D

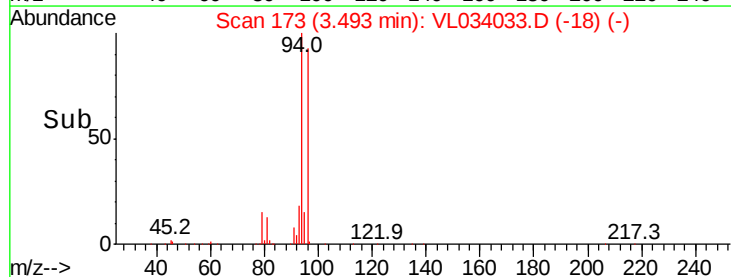
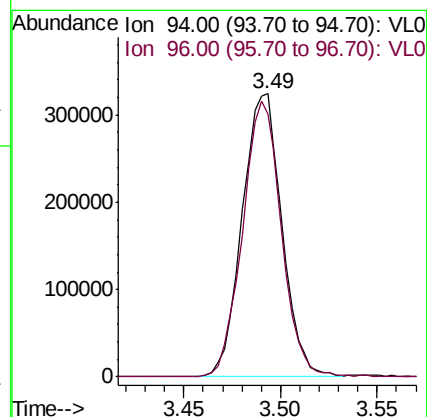
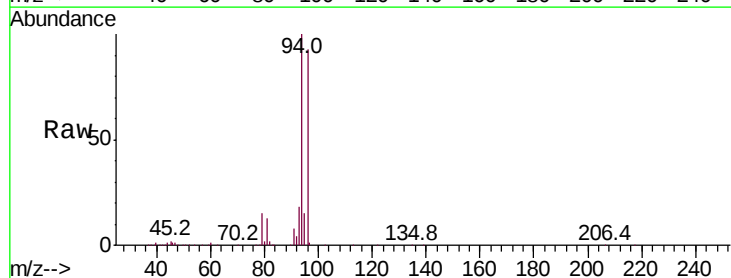
Acq: 12 Jul 2019 9:30

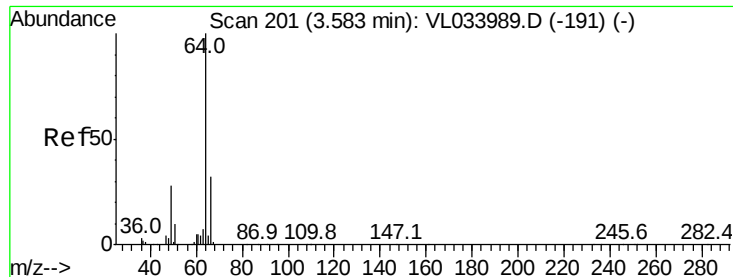
Tgt Ion: 94 Resp: 462439

Ion Ratio Lower Upper

94 100

96 93.2 73.8 110.8





#7

Chloroethane

Concen: 10.283 ppbv

RT: 3.57 min Scan# 198

Delta R.T. -0.01 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 280993

Ion Ratio Lower Upper

64 100

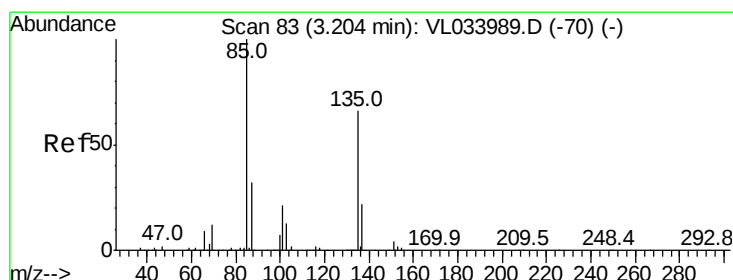
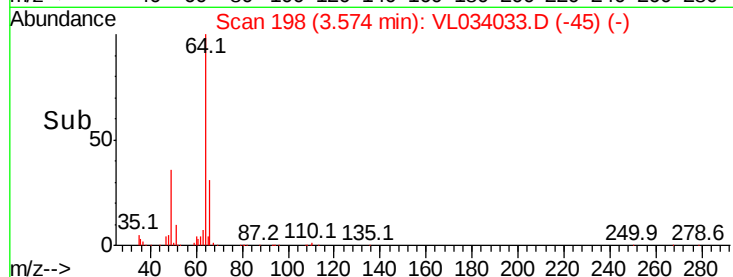
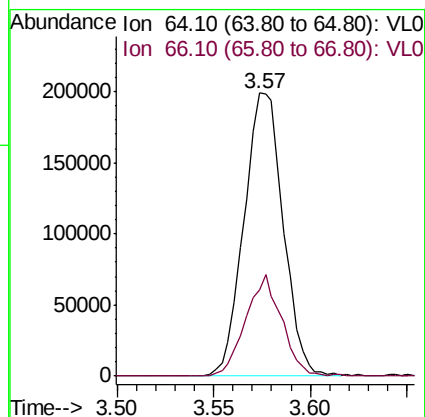
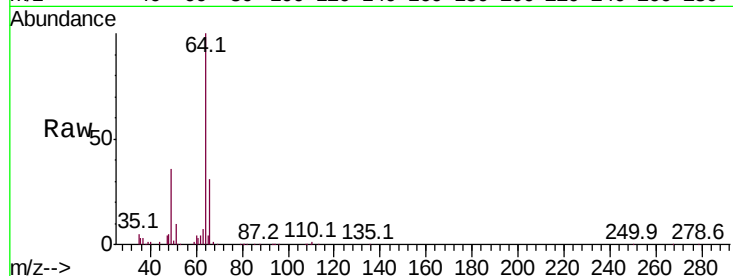
66 30.7 25.3 37.9

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.352 ppbv

RT: 3.20 min Scan# 81

Delta R.T. -0.01 min

Lab File: VL034033.D

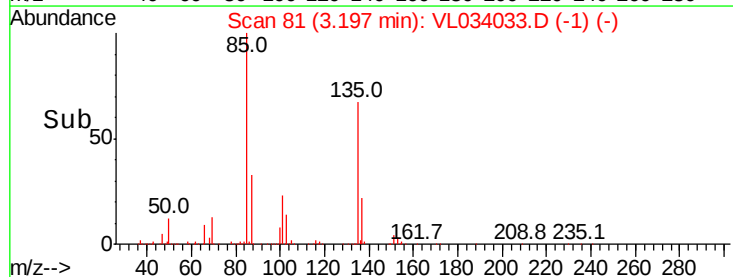
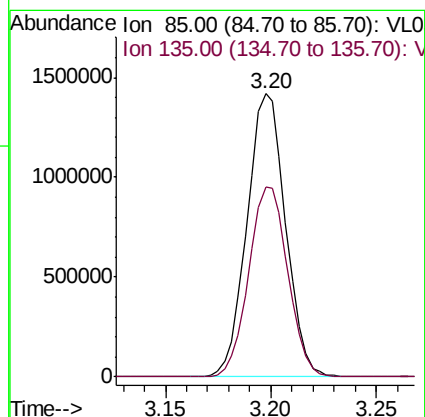
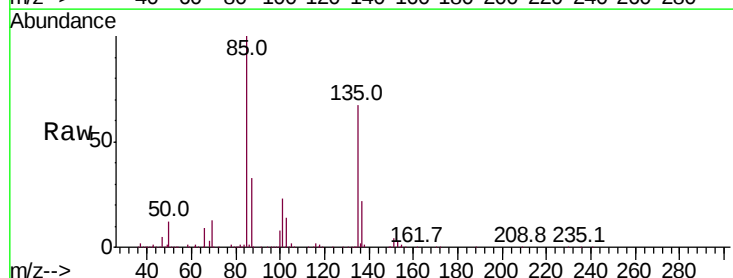
Acq: 12 Jul 2019 9:30

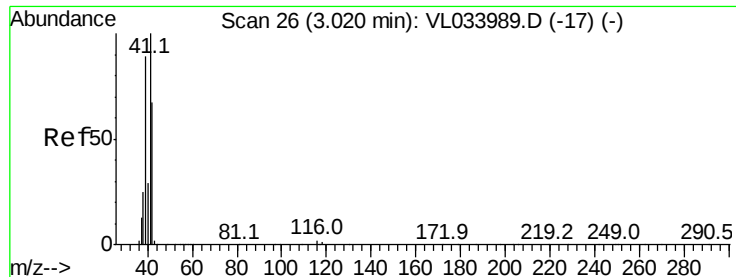
Tgt Ion: 85 Resp: 1801844

Ion Ratio Lower Upper

85 100

135 68.5 55.0 82.4





#9

Propene

Concen: 11.380 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.01 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 495035

Ion Ratio Lower Upper

41 100

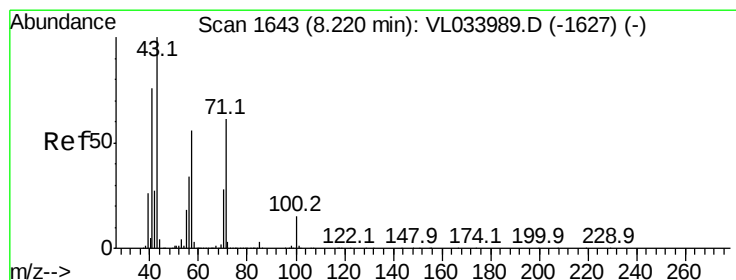
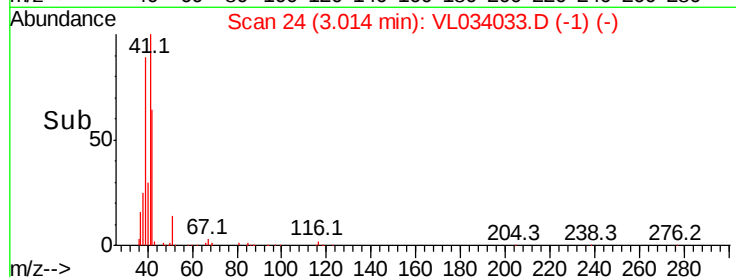
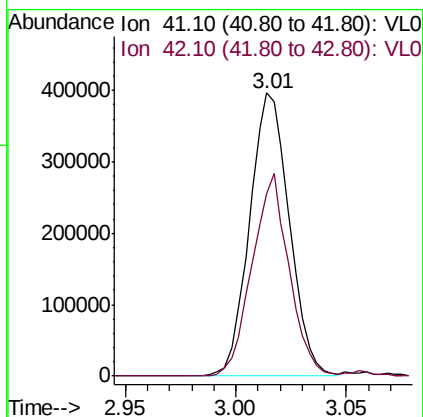
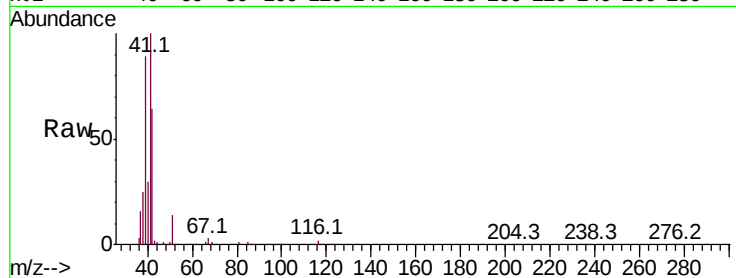
42 68.1 57.1 85.7

Manual Integrations

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#10

Heptane

Concen: 12.897 ppbv

RT: 8.21 min Scan# 1639

Delta R.T. -0.01 min

Lab File: VL034033.D

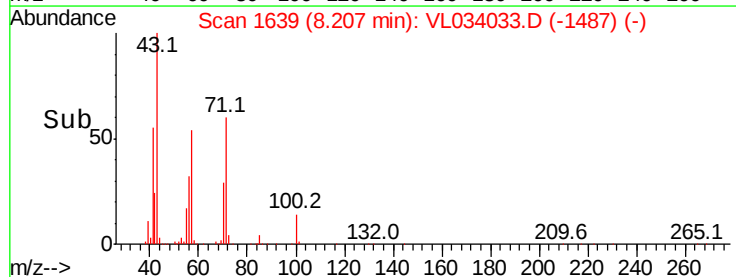
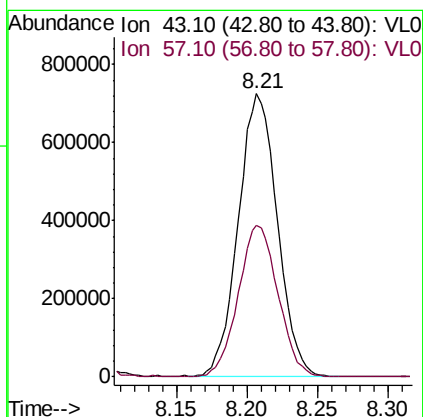
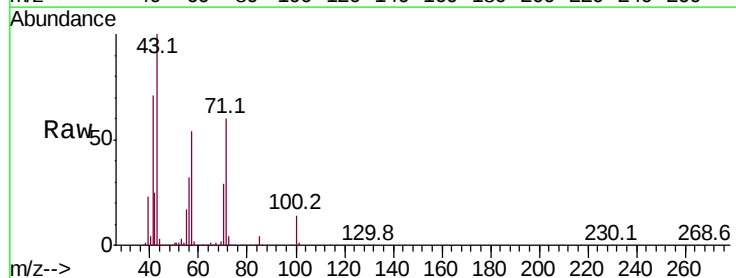
Acq: 12 Jul 2019 9:30

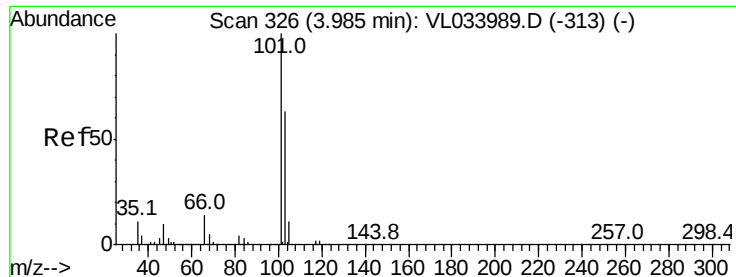
Tgt Ion: 43 Resp: 1404717

Ion Ratio Lower Upper

43 100

57 54.6 44.6 66.8





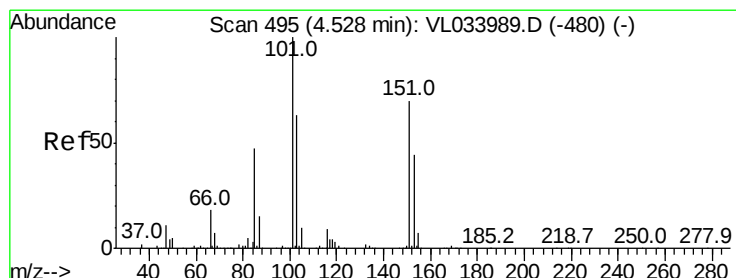
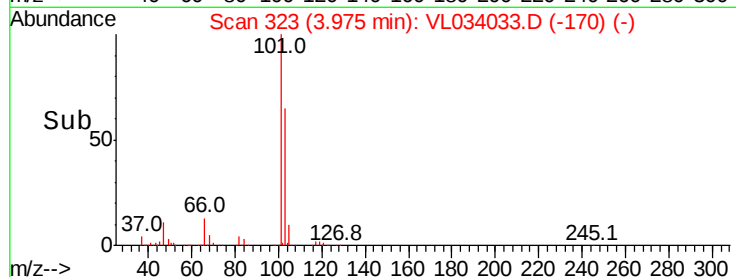
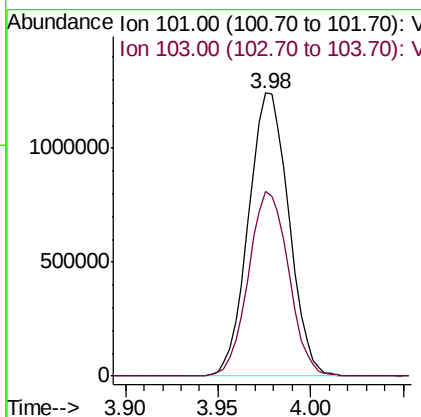
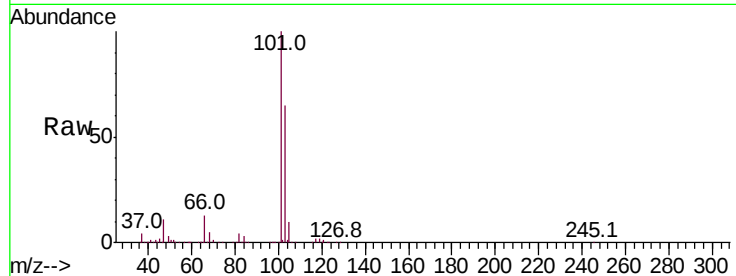
#11
 Trichlorofluoromethane
 Concen: 8.453 ppbv
 RT: 3.98 min Scan# 323
 Delta R.T. -0.01 min
 Lab File: VL034033.D
 Acq: 12 Jul 2019 9:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1878315
 Ion Ratio Lower Upper
 101 100
 103 65.1 50.8 76.2

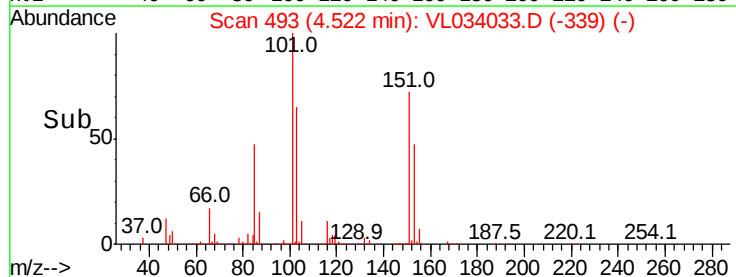
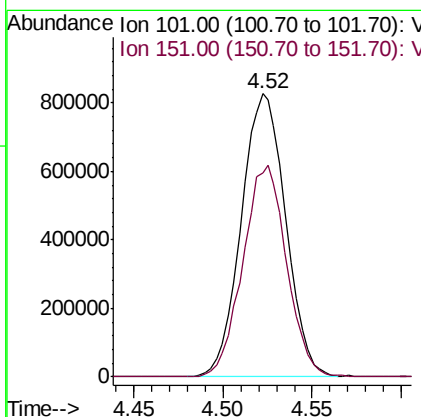
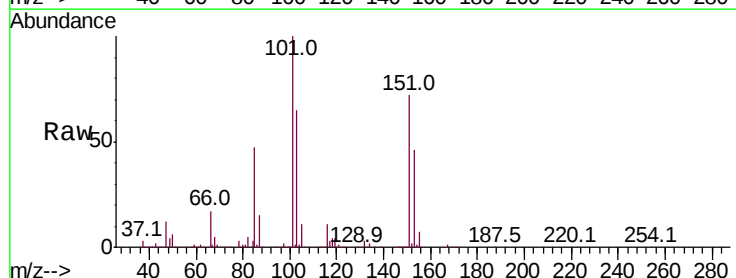
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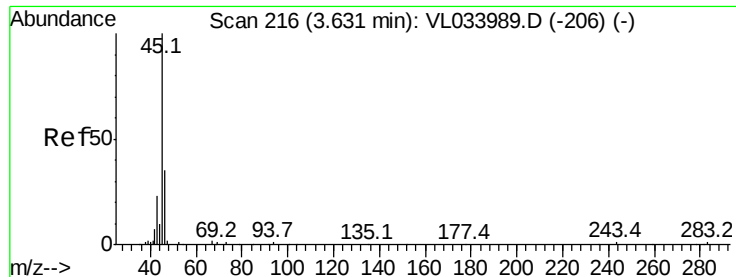
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.137 ppbv
 RT: 4.52 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VL034033.D
 Acq: 12 Jul 2019 9:30

Tgt Ion:101 Resp: 1437130
 Ion Ratio Lower Upper
 101 100
 151 73.9 59.0 88.4





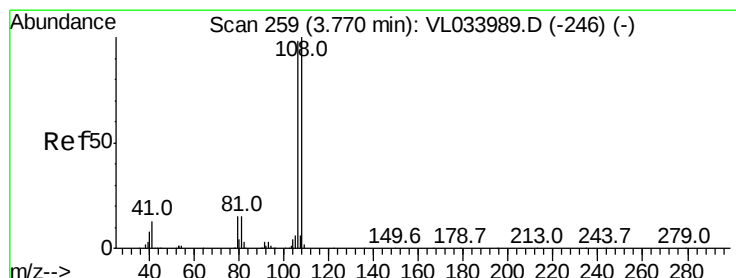
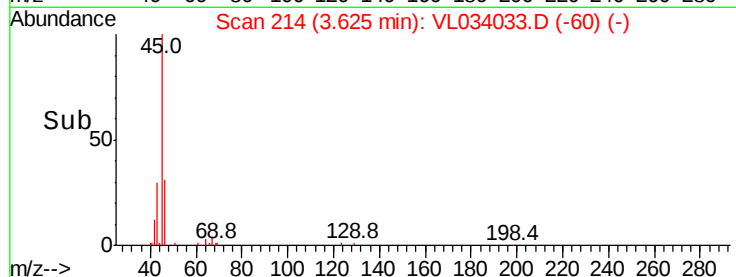
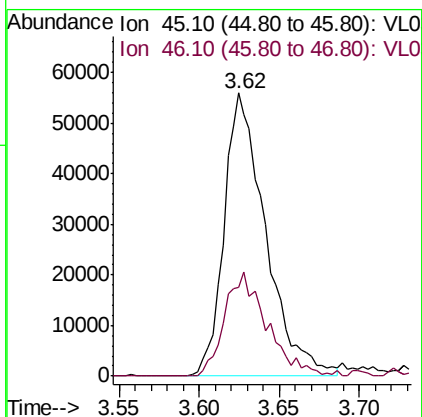
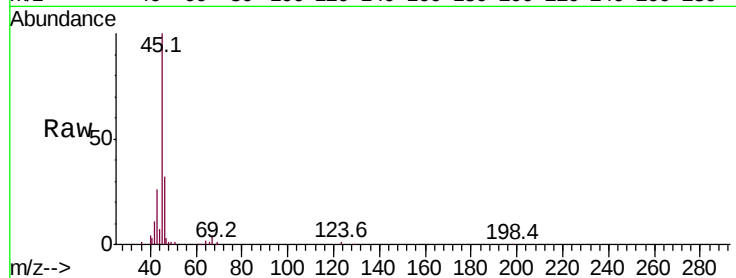
#13
Ethanol
Concen: 7.347 ppbv
RT: 3.62 min Scan# 214
Delta R.T. -0.01 min
Lab File: VL034033.D
Acq: 12 Jul 2019 9:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
46	37.4	16.2	64.6

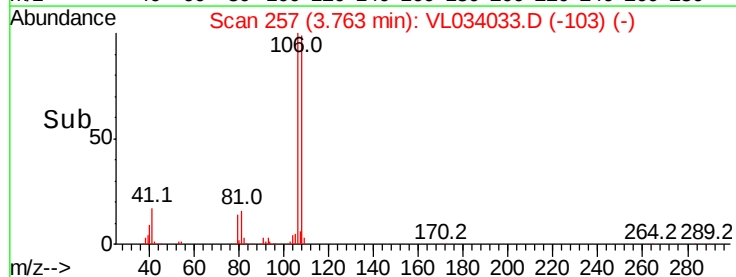
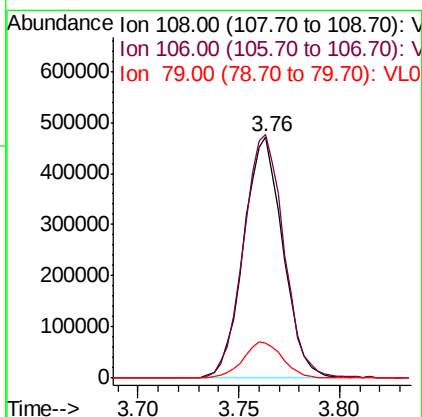
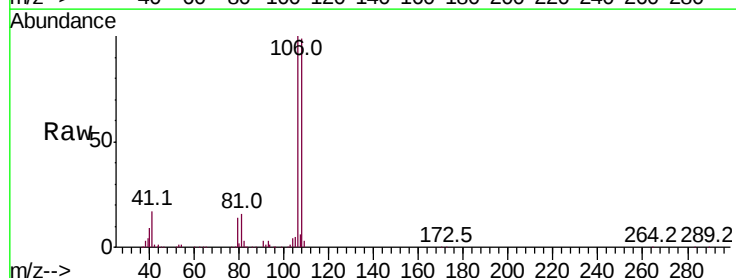
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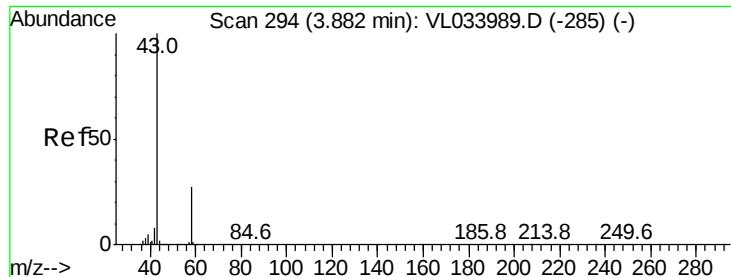
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#14
Bromoethene
Concen: 10.999 ppbv
RT: 3.76 min Scan# 257
Delta R.T. -0.01 min
Lab File: VL034033.D
Acq: 12 Jul 2019 9:30

Tgt Ion	Ratio	Lower	Upper
108	100		
106	104.3	85.6	128.4
79	15.5	14.0	21.0





#15

Acetone

Concen: 8.594 ppbv

RT: 3.88 min Scan# 292

Delta R.T. -0.01 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1383685

Ion Ratio Lower Upper

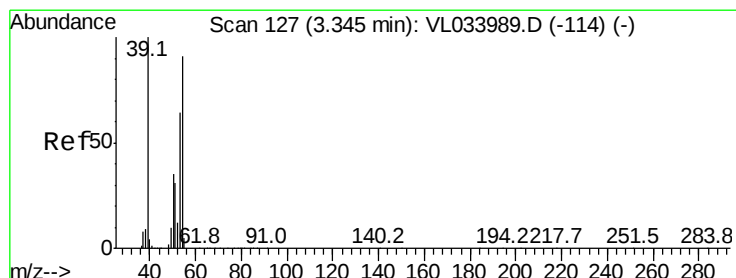
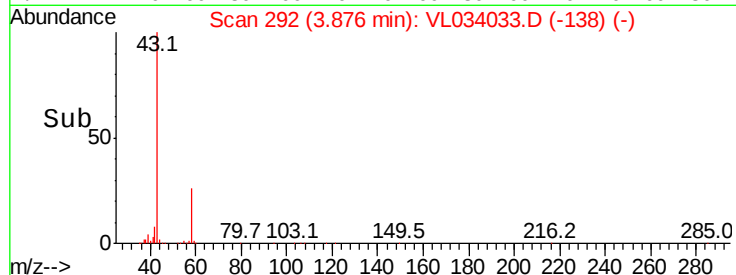
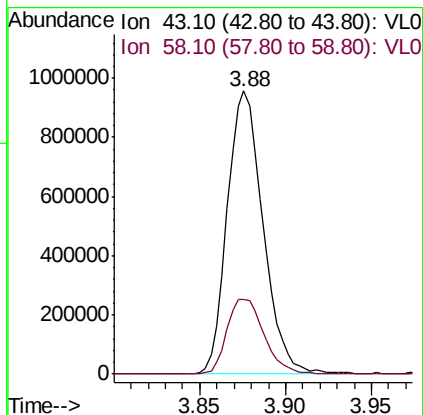
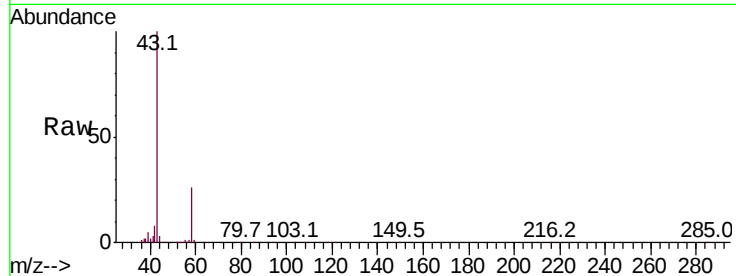
43 100

58 27.6 21.4 32.0

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#16

1,3-Butadiene

Concen: 11.028 ppbv

RT: 3.34 min Scan# 125

Delta R.T. -0.01 min

Lab File: VL034033.D

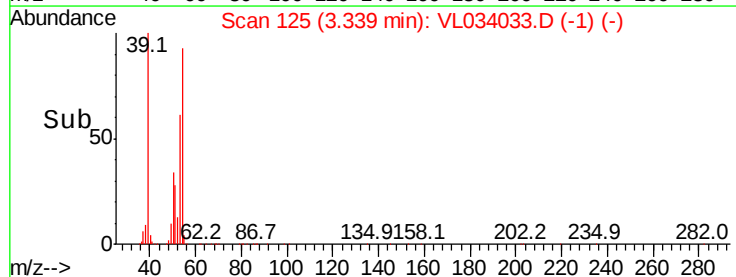
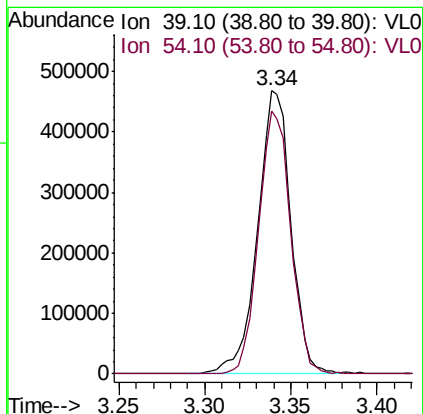
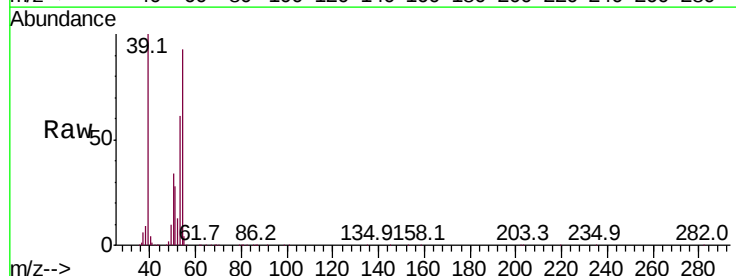
Acq: 12 Jul 2019 9:30

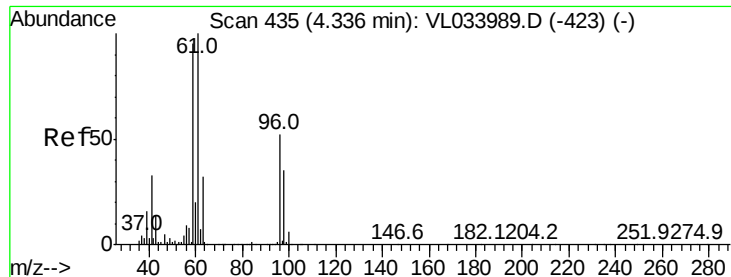
Tgt Ion: 39 Resp: 626973

Ion Ratio Lower Upper

39 100

54 89.7 71.4 107.2





#17

tert-Butyl alcohol

Concen: 7.998 ppbv

RT: 4.33 min Scan# 433

Delta R.T. -0.01 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

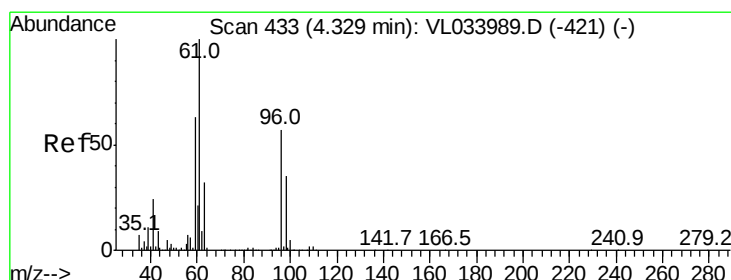
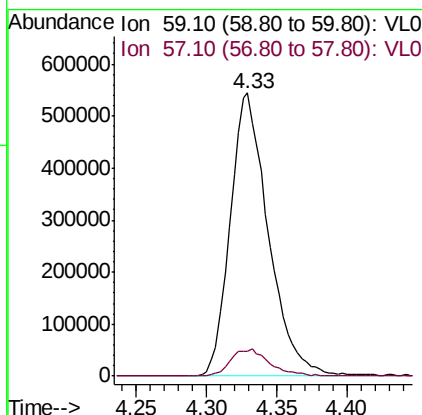
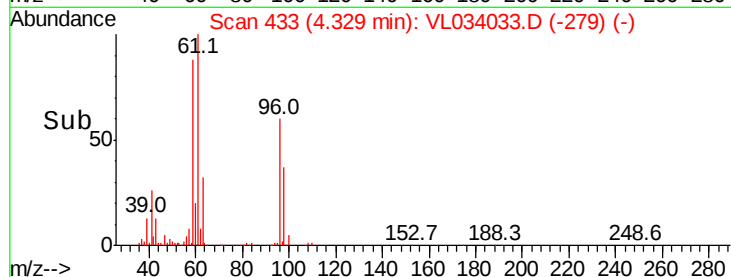
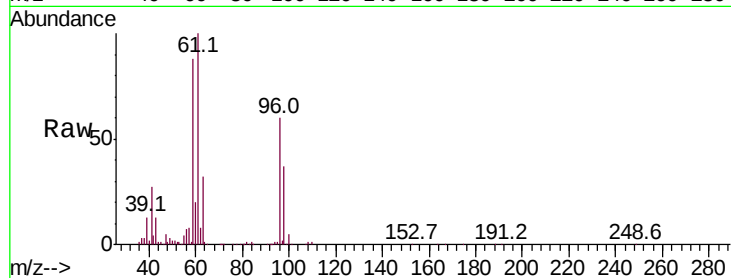
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1026612

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

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#18

1,1-Dichloroethene

Concen: 9.185 ppbv

RT: 4.32 min Scan# 431

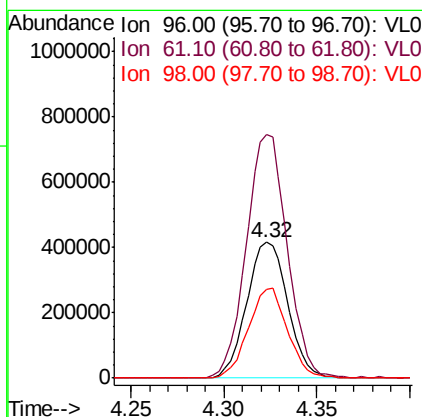
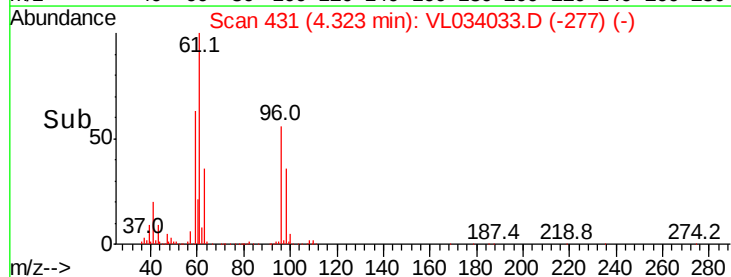
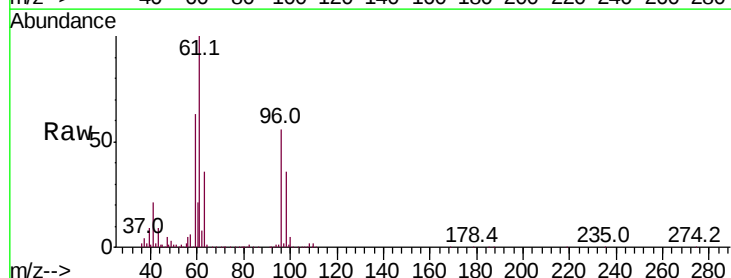
Delta R.T. -0.01 min

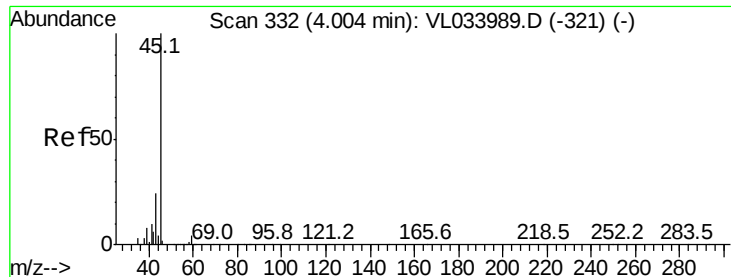
Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

Tgt Ion: 96 Resp: 643464

Ion	Ratio	Lower	Upper
96	100		
61	179.0	139.4	209.0
98	65.1	49.4	74.0





#19

Isopropyl Alcohol

Concen: 7.103 ppbv

RT: 4.00 min Scan# 330

Delta R.T. -0.01 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 767601

Ion Ratio Lower Upper

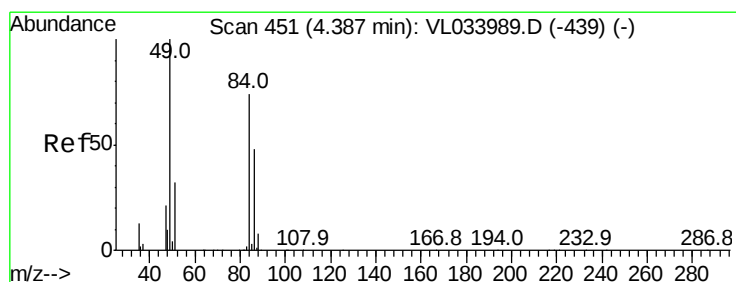
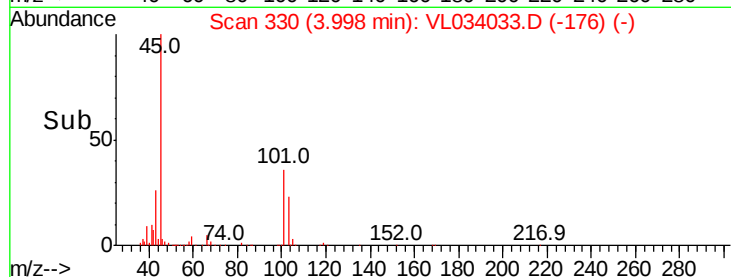
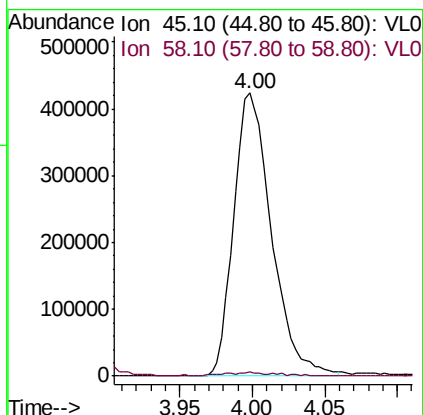
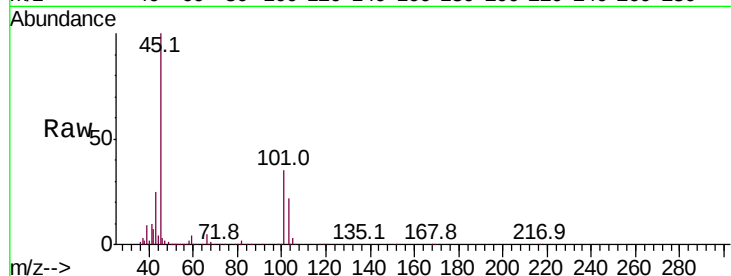
45 100

58 2.2 1.7 2.5

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#20

Methylene Chloride

Concen: 7.947 ppbv

RT: 4.38 min Scan# 448

Delta R.T. -0.01 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

Tgt Ion: 84 Resp: 558024

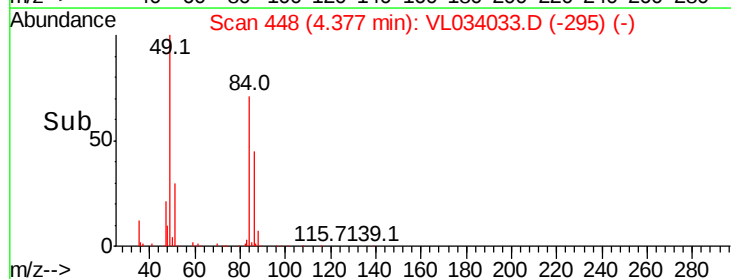
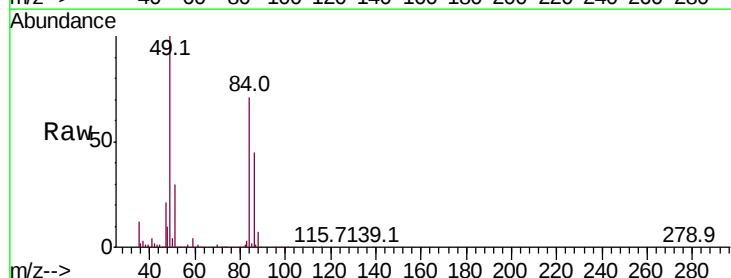
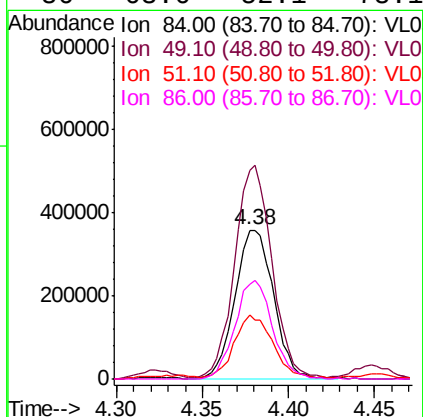
Ion Ratio Lower Upper

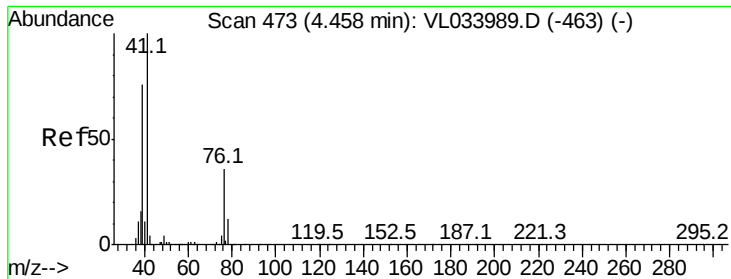
84 100

49 139.5 107.6 161.4

51 42.2 35.0 52.6

86 63.6 52.1 78.1





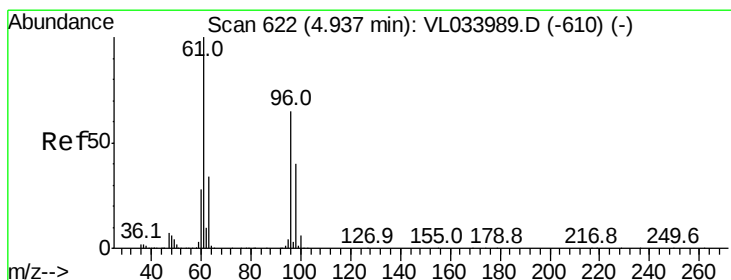
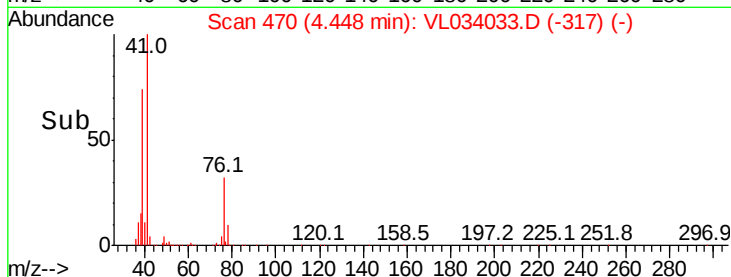
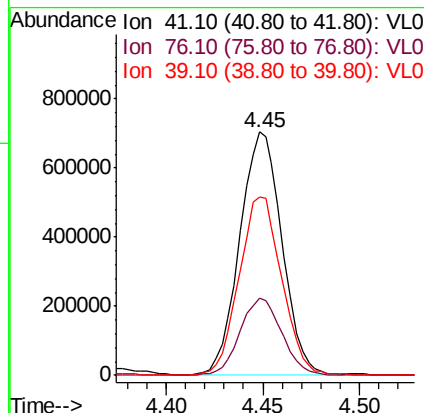
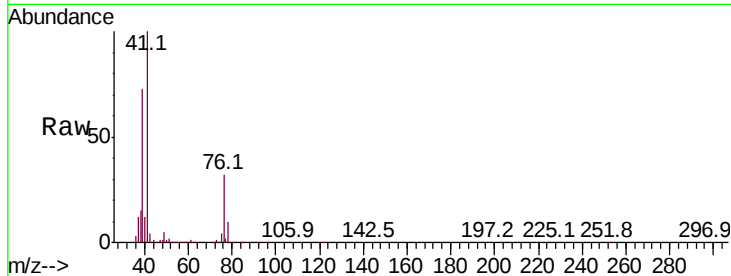
#21
Allvl Chloride
Concen: 10.594 ppbv
RT: 4.45 min Scan# 470
Delta R.T. -0.01 min
Lab File: VL034033.D
Acq: 12 Jul 2019 9:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	31.6	26.8	40.2
39	74.6	63.1	94.7

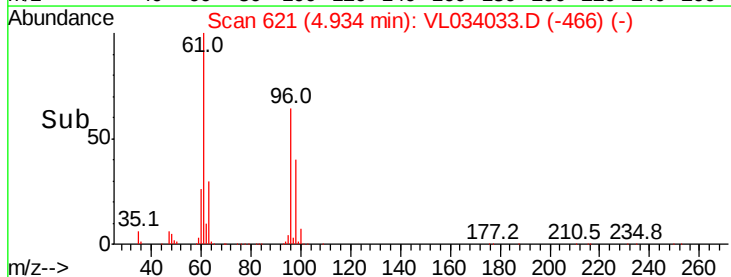
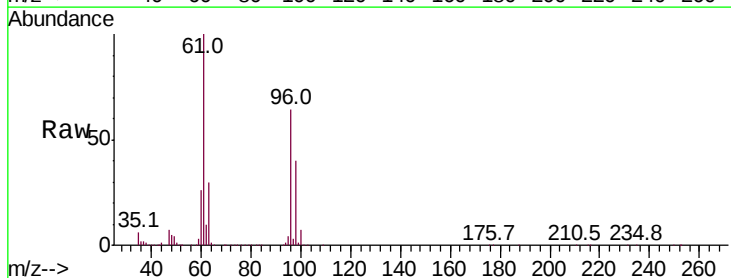
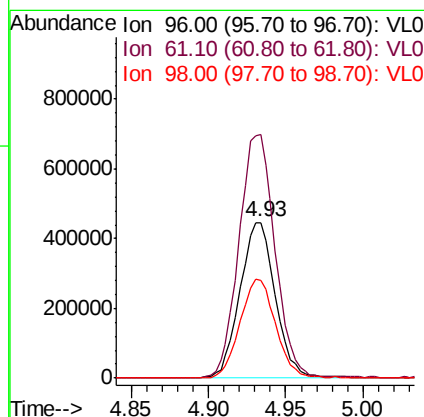
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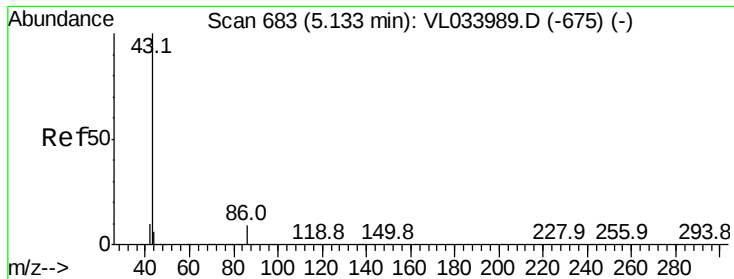
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#22
trans-1,2-Dichloroethene
Concen: 10.639 ppbv
RT: 4.93 min Scan# 621
Delta R.T. -0.00 min
Lab File: VL034033.D
Acq: 12 Jul 2019 9:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.3	122.9	184.3
98	62.7	49.6	74.4





#23

Vinyl Acetate

Concen: 13.173 ppbv

RT: 5.12 min Scan# 680

Delta R.T. -0.01 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2116835

Ion Ratio Lower Upper

43 100

86 8.0 6.6 9.8

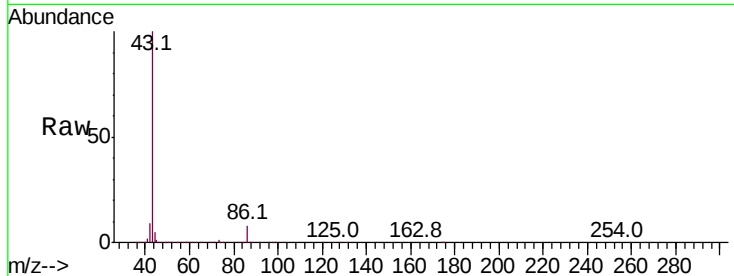
42 8.5 8.3 12.5

44 4.7 4.3 6.5

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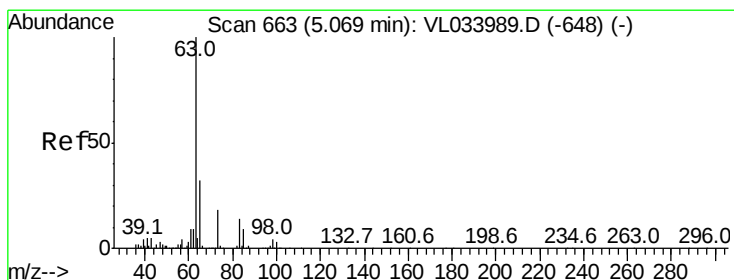
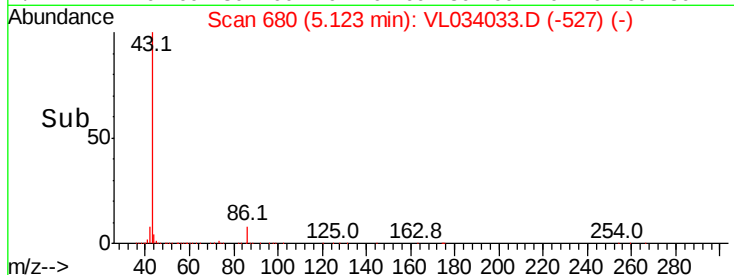
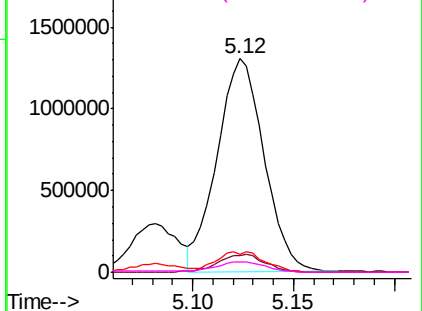


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 11.194 ppbv

RT: 5.06 min Scan# 660

Delta R.T. -0.01 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

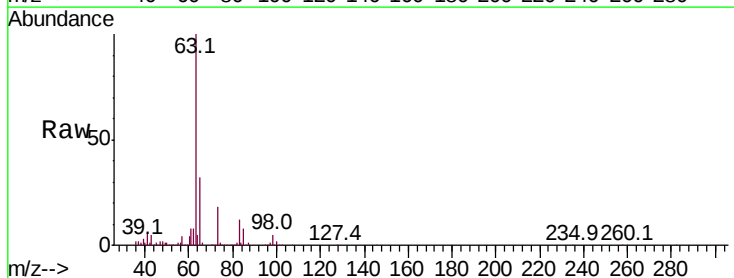
Tgt Ion: 63 Resp: 1594182

Ion Ratio Lower Upper

63 100

98 4.6 2.2 6.6

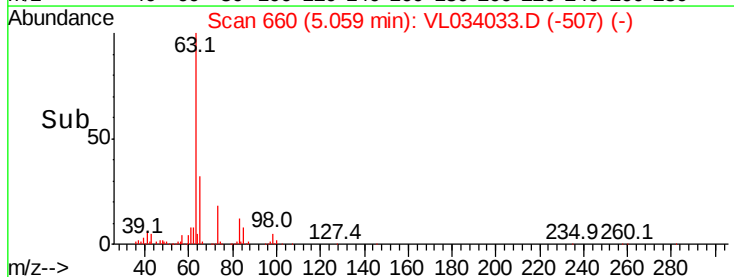
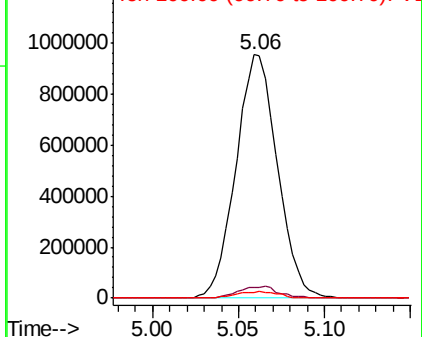
100 2.4 1.4 4.2

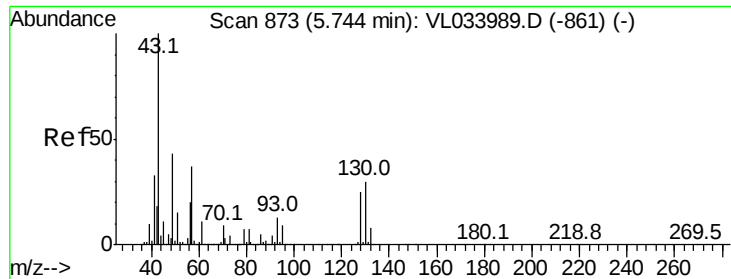


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





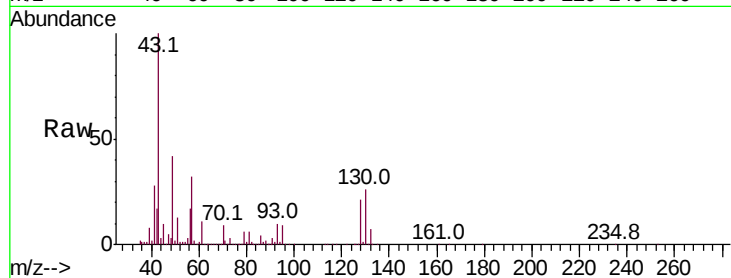
#25
Ethyl Acetate
Concen: 11.095 ppbv
RT: 5.73 min Scan# 870
Delta R.T. -0.01 min
Lab File: VL034033.D
Acq: 12 Jul 2019 9:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

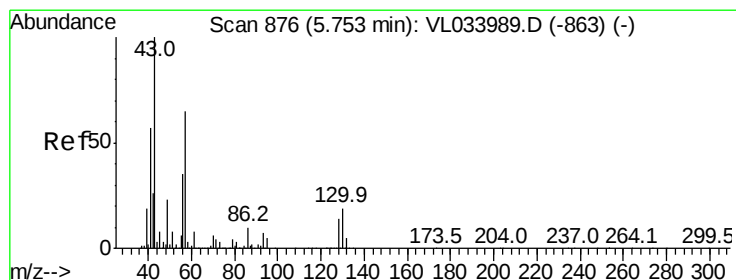
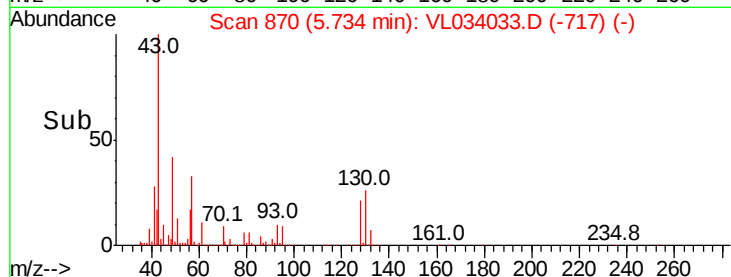
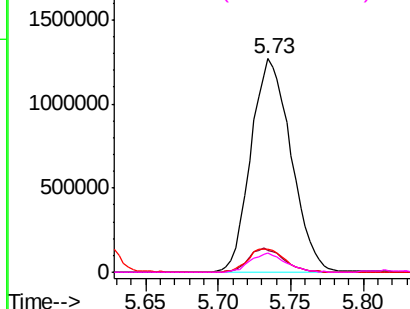
Tot Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.1	12.1
61	10.4	8.1	12.1
70	7.9	6.3	9.5

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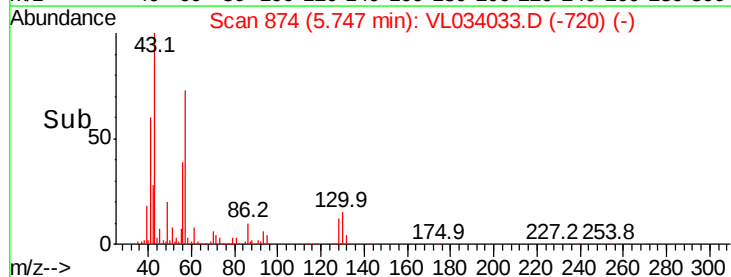
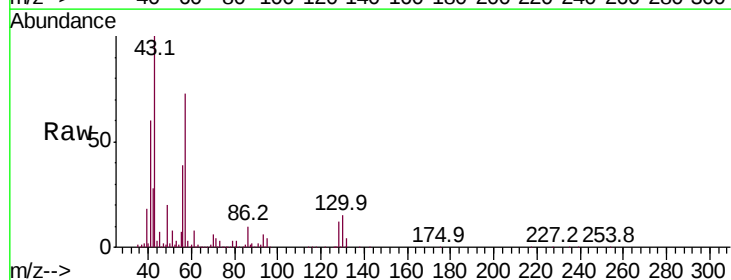
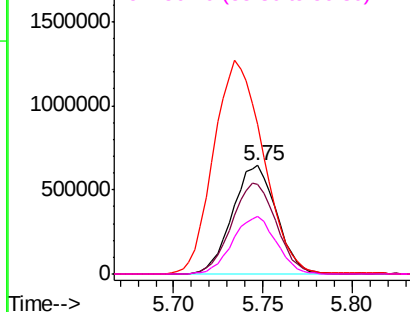
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

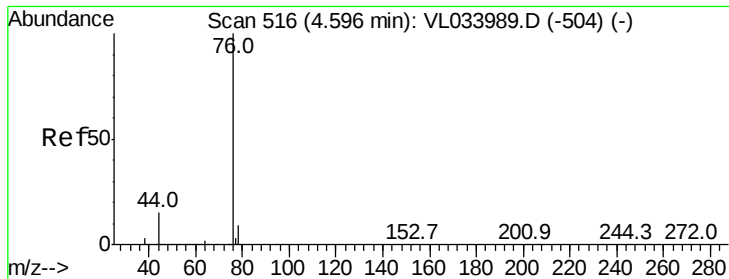


#26
Hexane
Concen: 10.936 ppbv
RT: 5.75 min Scan# 874
Delta R.T. -0.01 min
Lab File: VL034033.D
Acq: 12 Jul 2019 9:30

Tgt Ion	Ratio	Lower	Upper
57	100		
41	86.1	70.6	105.8
43	223.0	177.6	266.4
56	52.9	42.6	64.0

Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.206 ppbv

RT: 4.59 min Scan# 514

Delta R.T. -0.01 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1748366

Ion Ratio Lower Upper

76 100

44 16.4 12.6 18.8

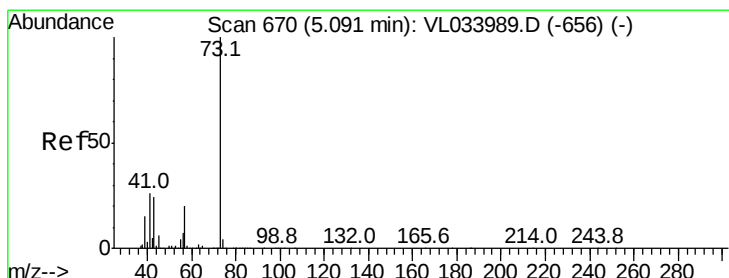
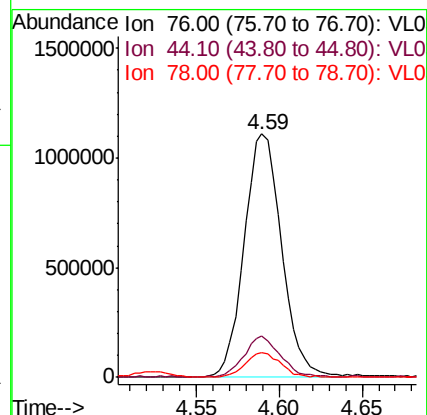
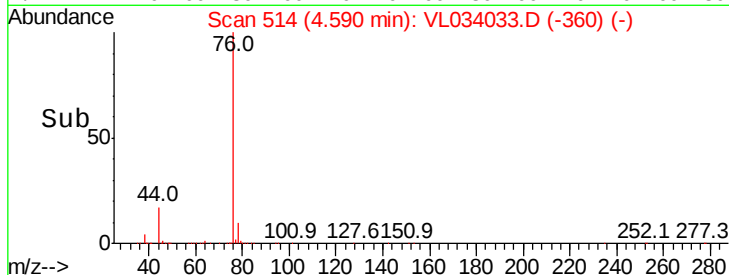
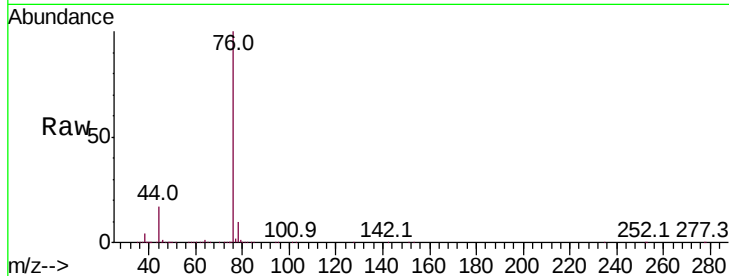
78 9.9 7.2 10.8

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#28

Methyl tert-Butyl Ether

Concen: 12.615 ppbv

RT: 5.08 min Scan# 667

Delta R.T. -0.01 min

Lab File: VL034033.D

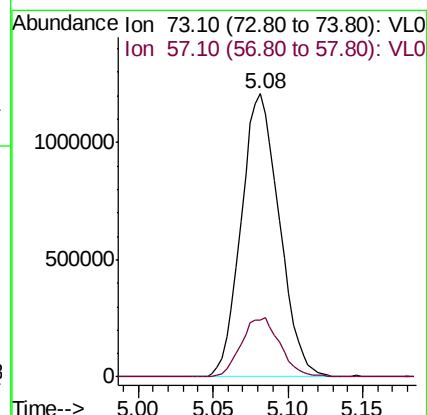
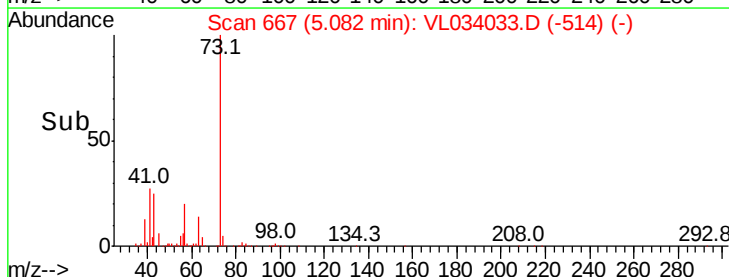
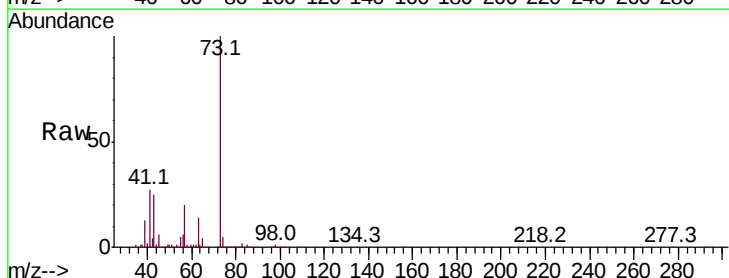
Acq: 12 Jul 2019 9:30

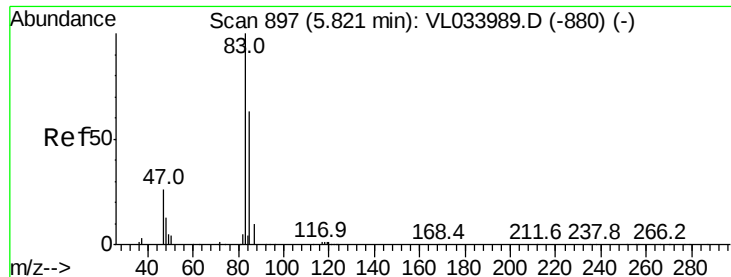
Tgt Ion: 73 Resp: 2152751

Ion Ratio Lower Upper

73 100

57 21.4 16.9 25.3





#29

Chloroform

Concen: 9.712 ppbv

RT: 5.81 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 1839294

Ion Ratio Lower Upper

83 100

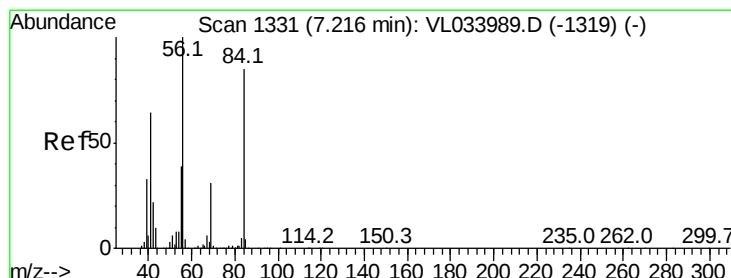
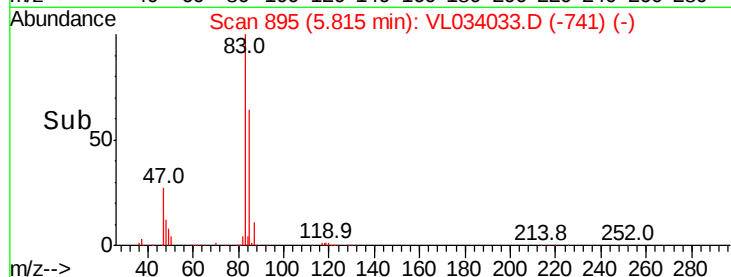
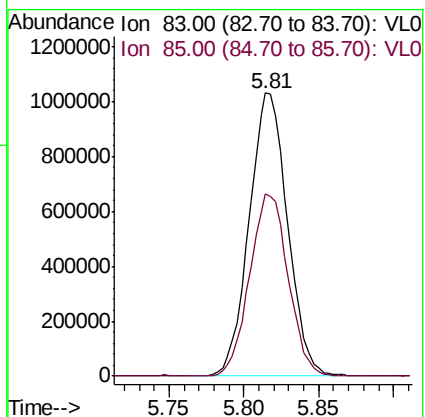
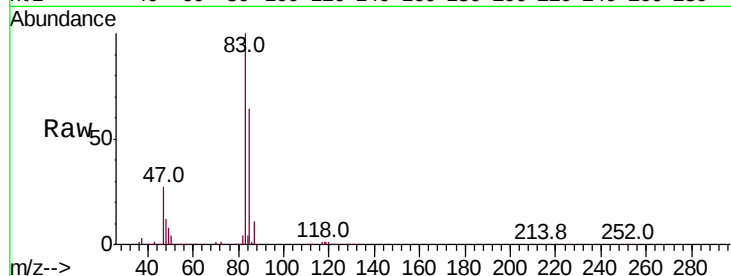
85 64.1 50.6 75.8

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#30

Cyclohexane

Concen: 13.413 ppbv

RT: 7.21 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

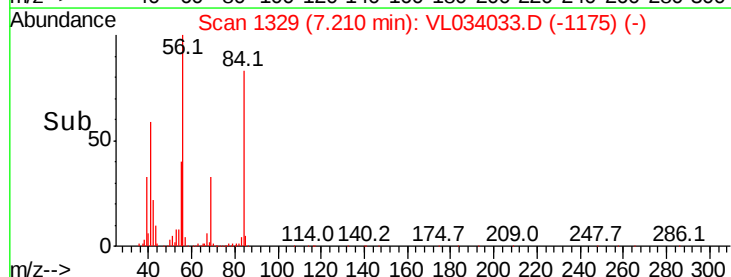
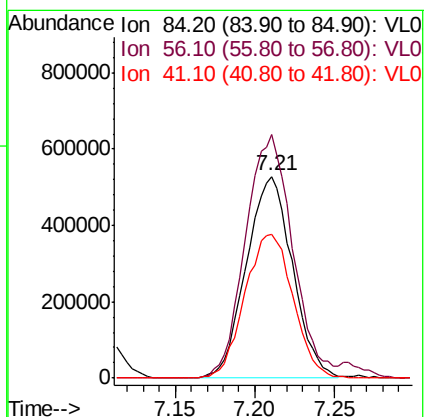
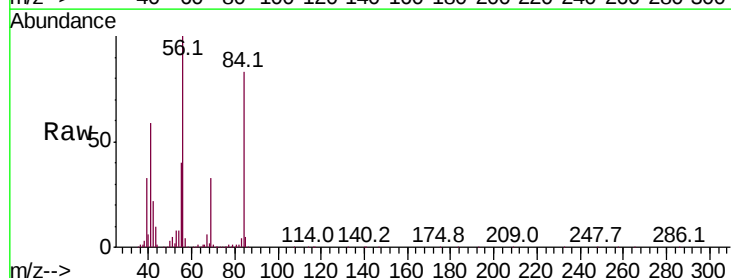
Tgt Ion: 84 Resp: 1043821

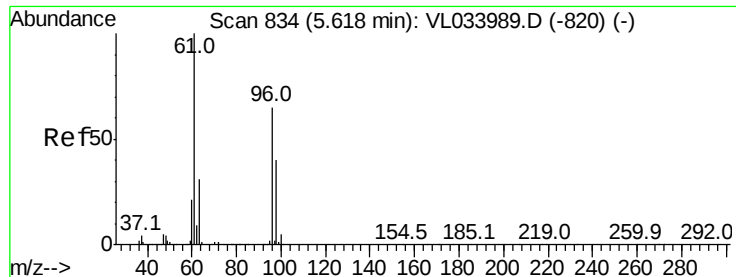
Ion Ratio Lower Upper

84 100

56 127.7 103.7 155.5

41 74.6 62.6 94.0





#31

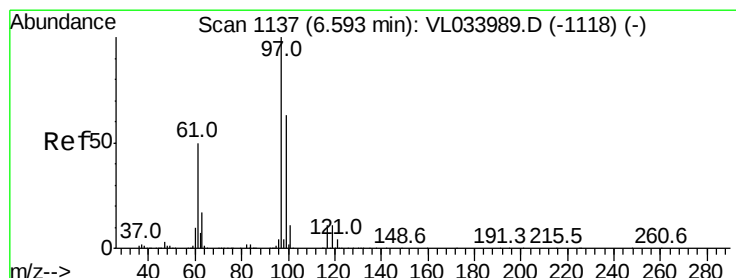
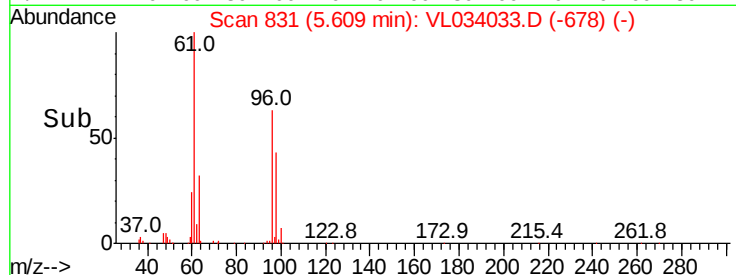
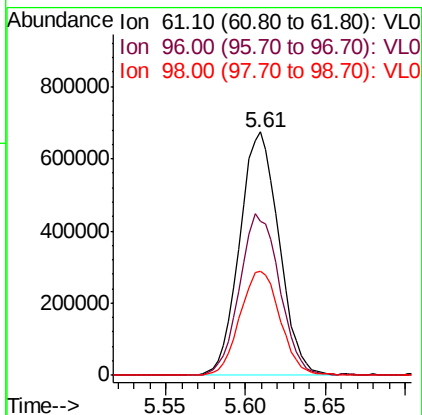
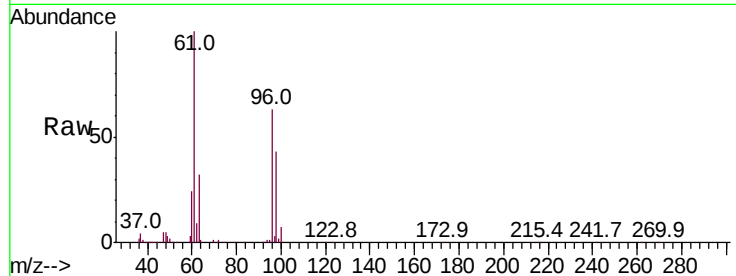
cis-1,2-Dichloroethene
Concen: 11.611 ppbv
RT: 5.61 min Scan# 831
Delta R.T. -0.01 min
Lab File: VL034033.D
Acq: 12 Jul 2019 9:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.3	51.8	77.6
98	43.0	32.1	48.1

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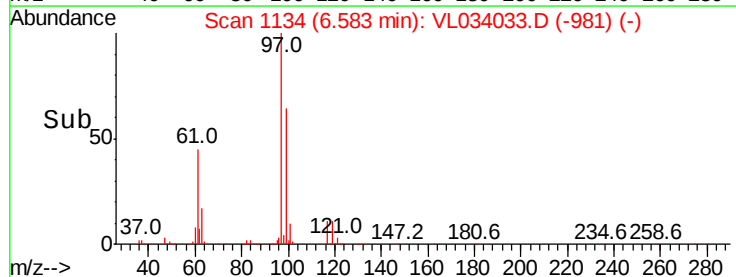
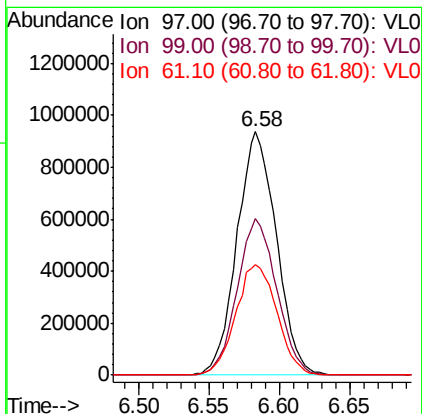
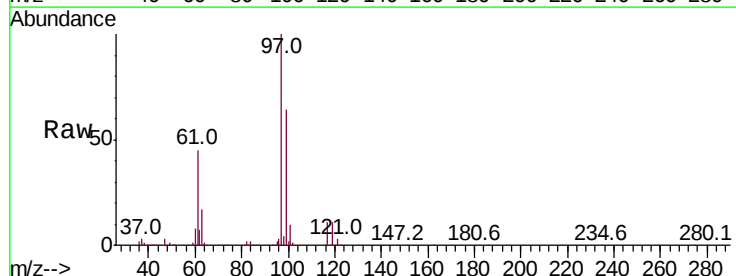
MMDadoda
7/12/2019 10:47:28 PM

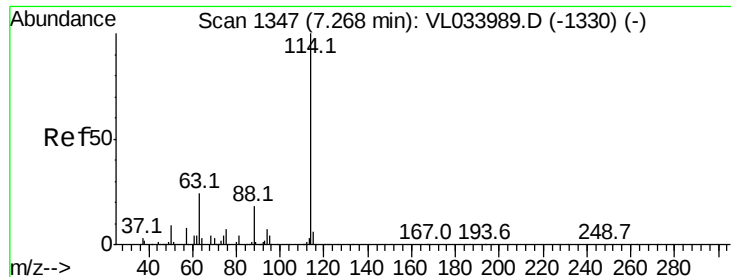


#32

1,1,1-Trichloroethane
Concen: 9.568 ppbv
RT: 6.58 min Scan# 1134
Delta R.T. -0.01 min
Lab File: VL034033.D
Acq: 12 Jul 2019 9:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.9	77.9
61	47.6	39.8	59.8





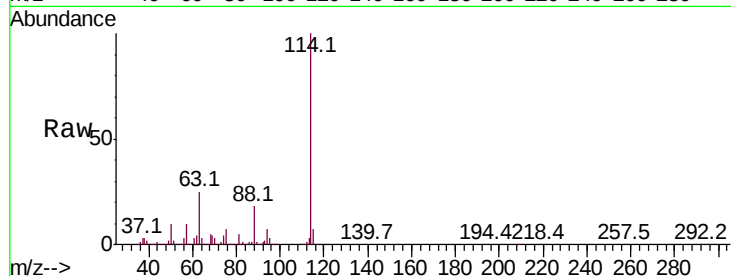
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.26 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: VL034033.D
 Acq: 12 Jul 2019 9:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

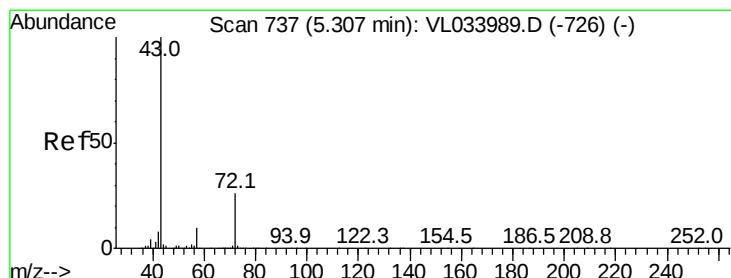
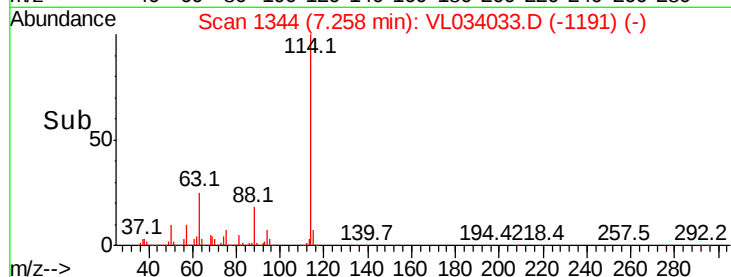
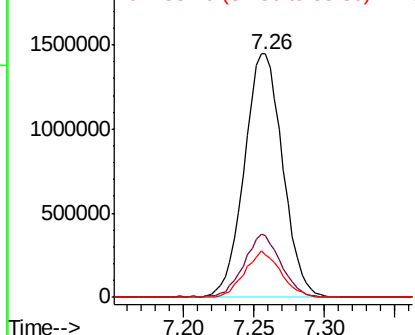
Tot Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.2	30.2
88	17.8	14.1	21.1

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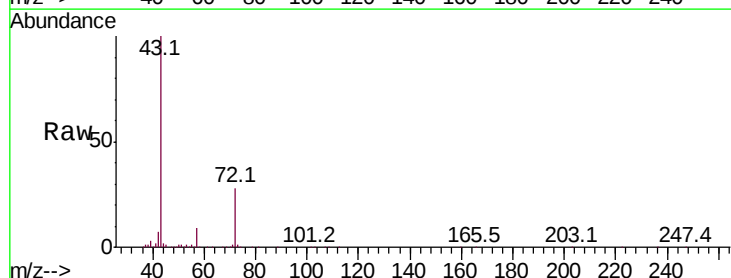


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

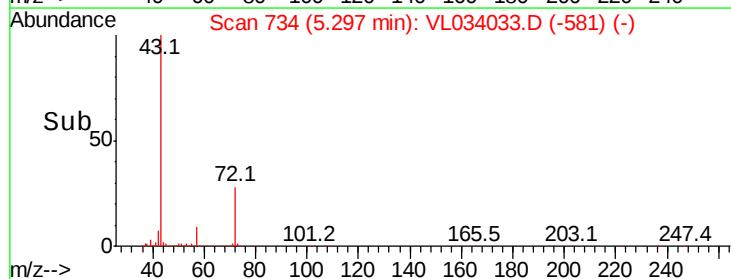
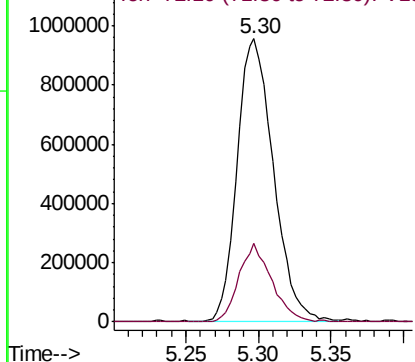


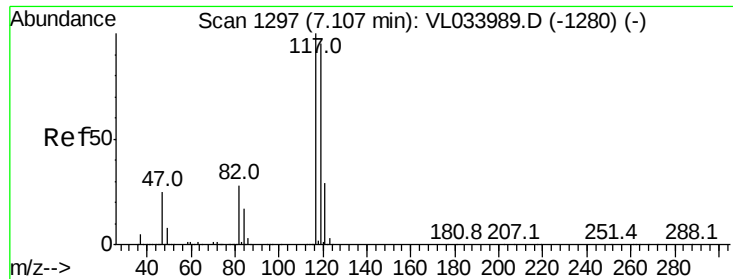
#34
 2-Butanone
 Concen: 11.414 ppbv
 RT: 5.30 min Scan# 734
 Delta R.T. -0.01 min
 Lab File: VL034033.D
 Acq: 12 Jul 2019 9:30

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.3	19.9	29.9



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.650 ppbv

RT: 7.09 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 117 Resp: 2103333

Ion Ratio Lower Upper

117 100

119 94.4 75.8 113.6

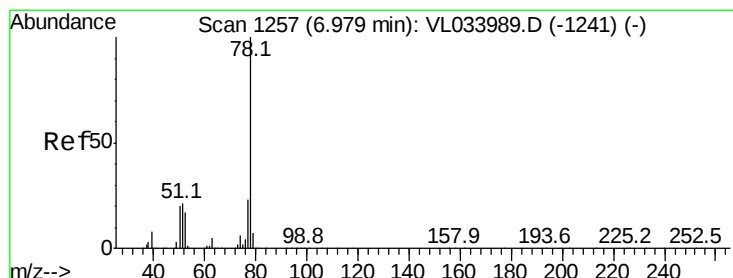
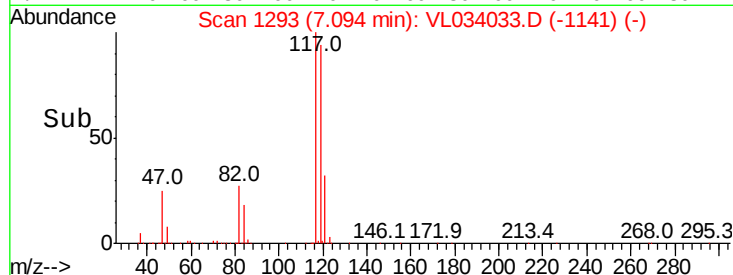
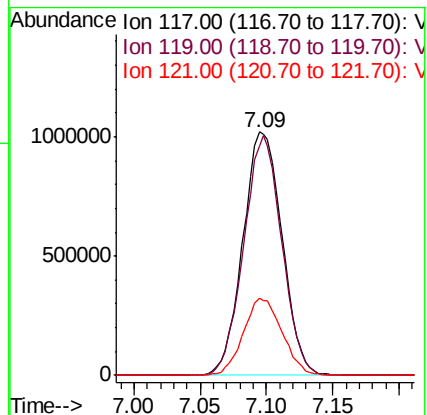
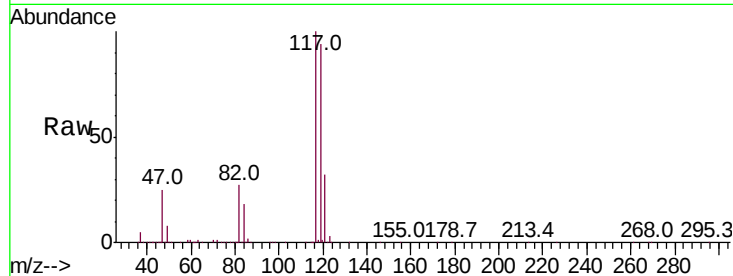
121 31.7 23.4 35.2

Manual Integrations

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#36

Benzene

Concen: 11.781 ppbv

RT: 6.97 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

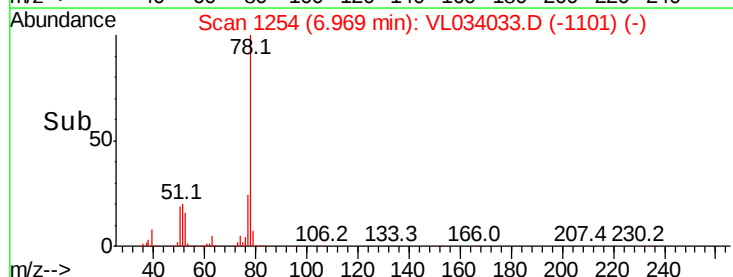
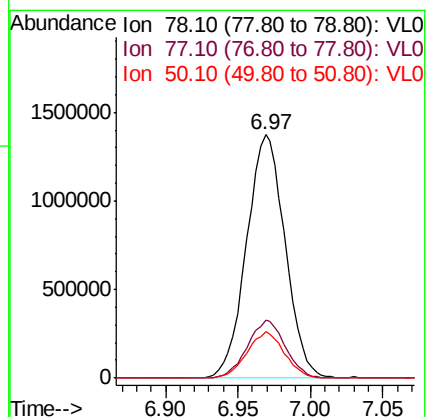
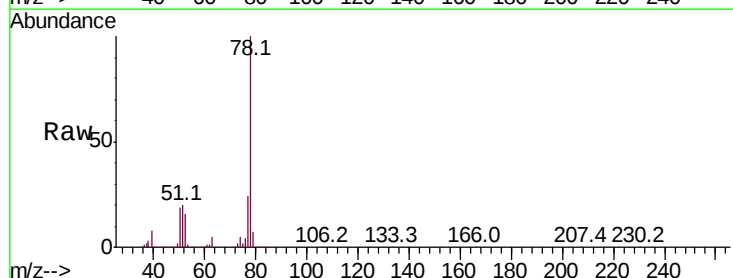
Tgt Ion: 78 Resp: 2538094

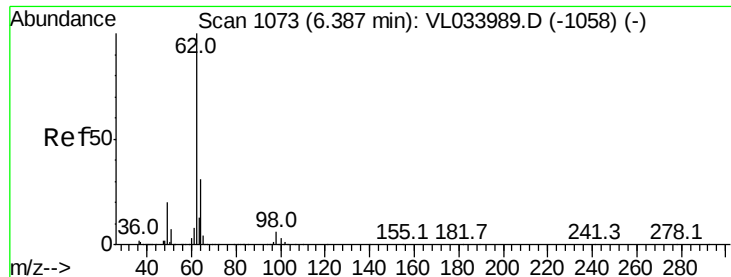
Ion Ratio Lower Upper

78 100

77 23.8 18.7 28.1

50 19.3 16.2 24.2





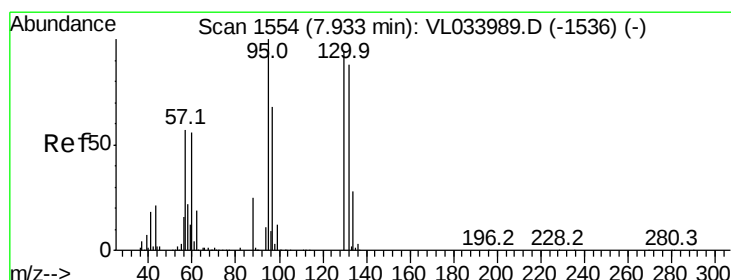
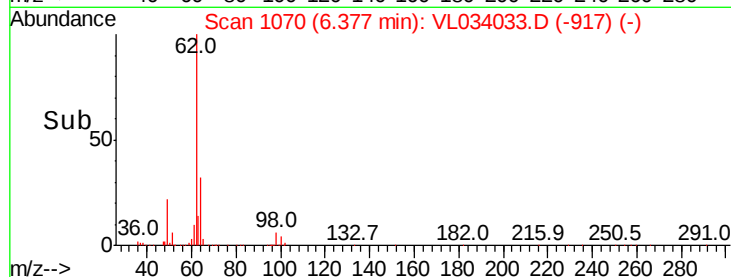
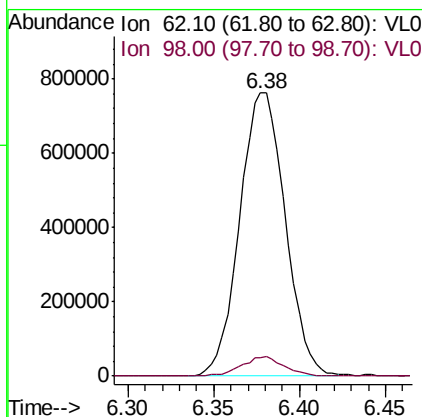
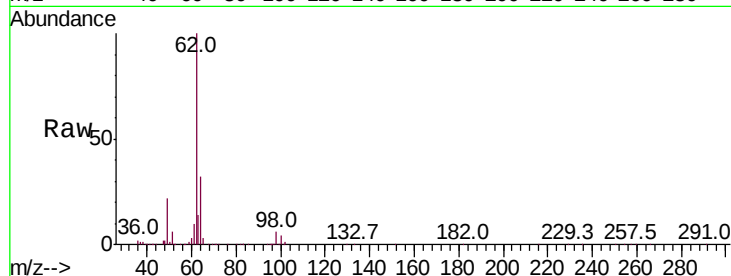
#37
 1,2-Dichloroethane
 Concen: 8.814 ppbv
 RT: 6.38 min Scan# 1070
 Delta R.T. -0.01 min
 Lab File: VL034033.D
 Acq: 12 Jul 2019 9:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1399000
 Ion Ratio Lower Upper
 62 100
 98 6.3 4.4 6.6

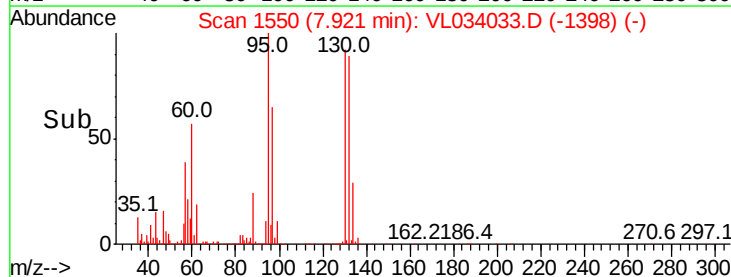
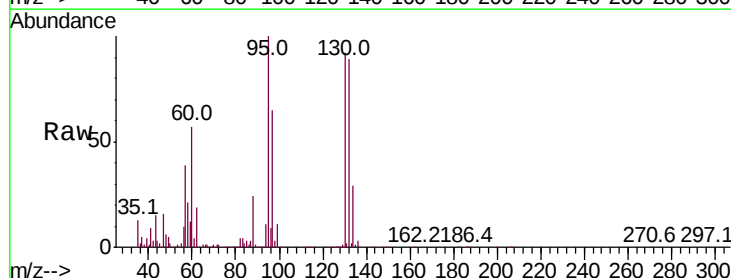
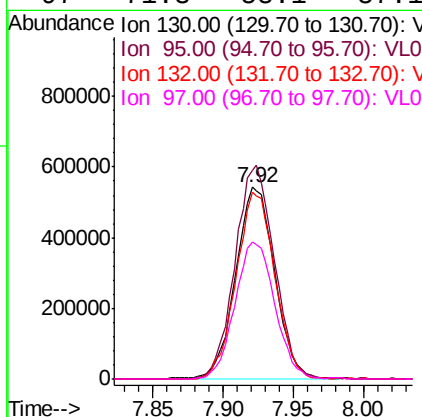
Manual Integrations
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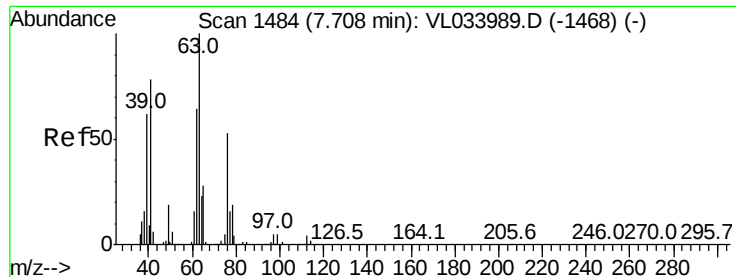
MMDadoda
 7/12/2019 10:47:28 PM



#38
 Trichloroethene
 Concen: 10.953 ppbv
 RT: 7.92 min Scan# 1550
 Delta R.T. -0.01 min
 Lab File: VL034033.D
 Acq: 12 Jul 2019 9:30

Tgt Ion: 130 Resp: 1050015
 Ion Ratio Lower Upper
 130 100
 95 109.1 85.5 128.3
 132 97.3 75.1 112.7
 97 71.3 58.1 87.1





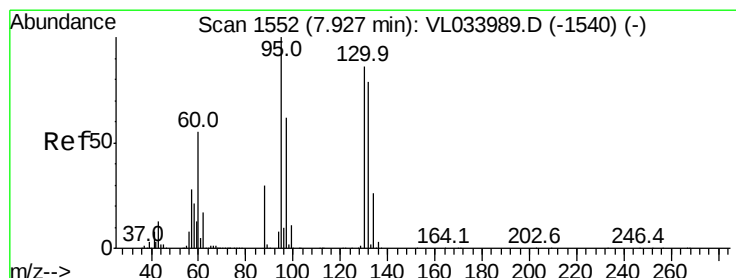
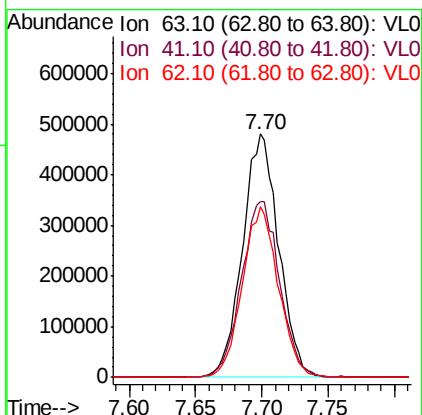
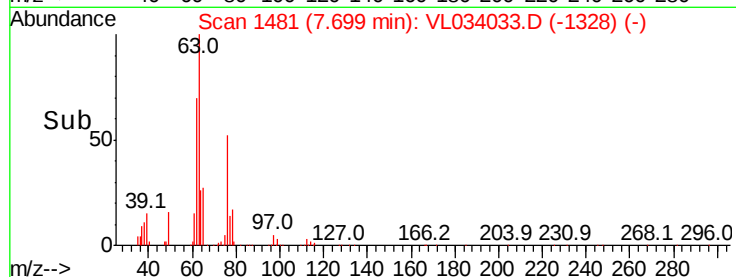
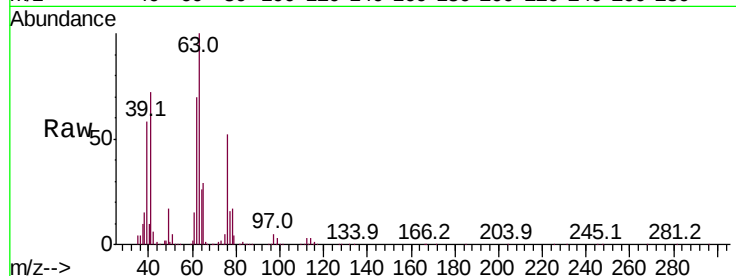
#39
 1,2-Dichloropropane
 Concen: 11.352 ppbv
 RT: 7.70 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VL034033.D
 Acq: 12 Jul 2019 9:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	72.3	62.3	93.5
62	70.0	51.4	77.2

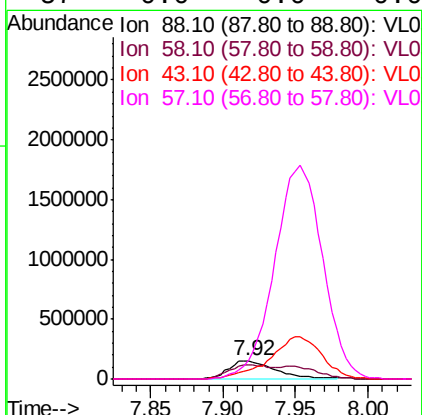
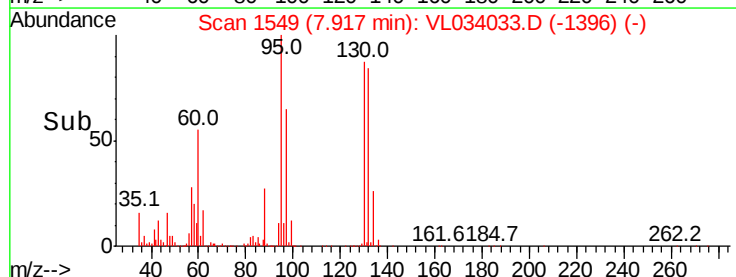
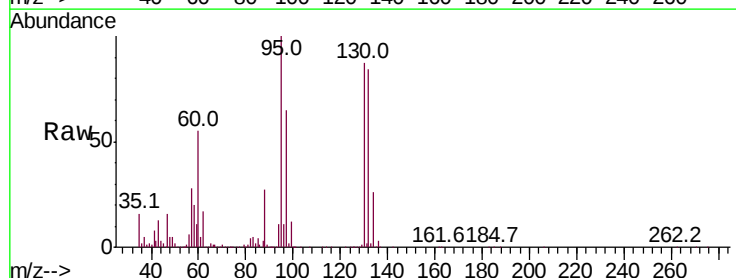
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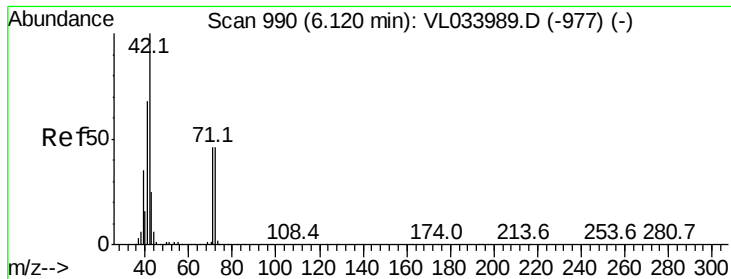
MMDadoda
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#40
 1,4-Dioxane
 Concen: 9.085 ppbv
 RT: 7.92 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: VL034033.D
 Acq: 12 Jul 2019 9:30

Tgt Ion	Ratio	Lower	Upper
88	100		
58	131.5	99.1	148.7
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 11.733 ppbv

RT: 6.11 min Scan# 988

Delta R.T. -0.01 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

Instrument :

MSVOA_L

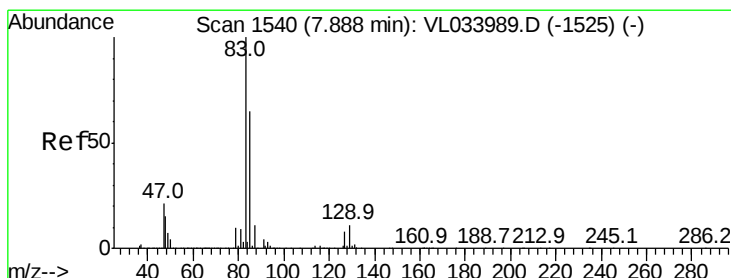
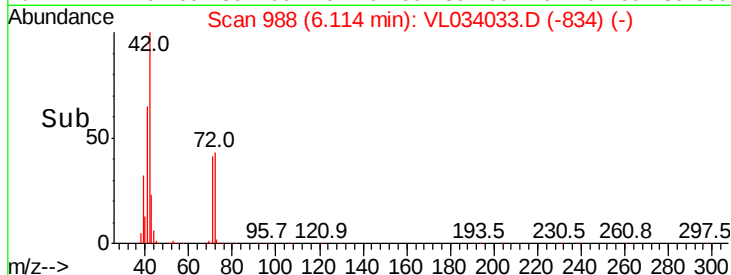
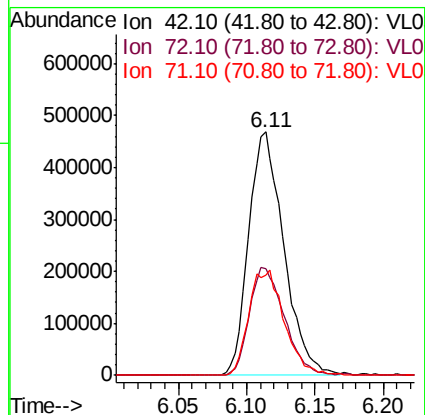
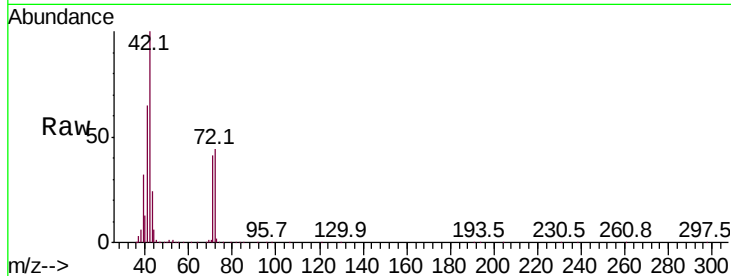
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	838461
Ion Ratio	Lower	Upper	
42	100		
72	44.5	37.3	55.9
71	43.9	36.2	54.2

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#42

Bromodichloromethane

Concen: 10.292 ppbv

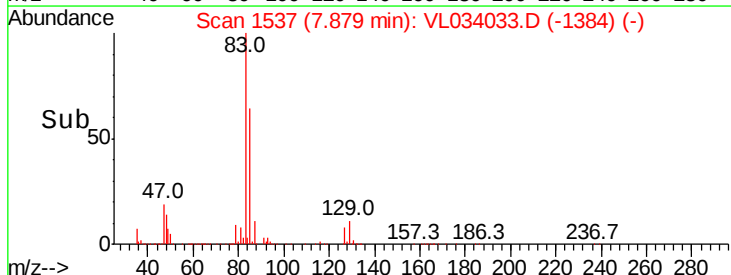
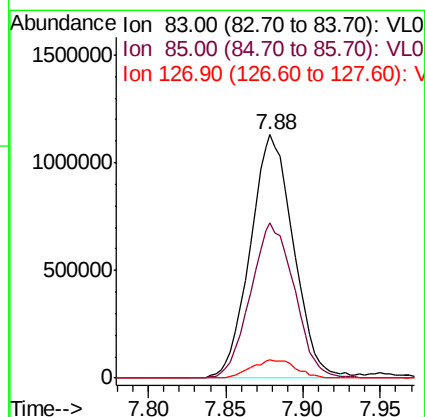
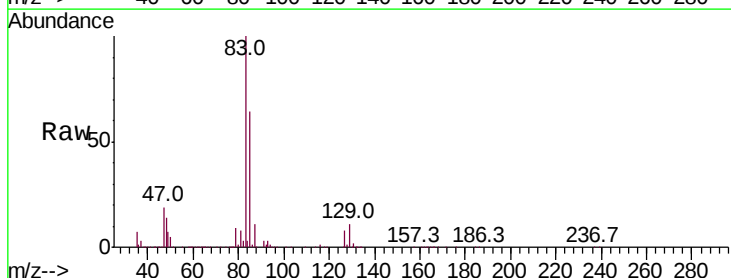
RT: 7.88 min Scan# 1537

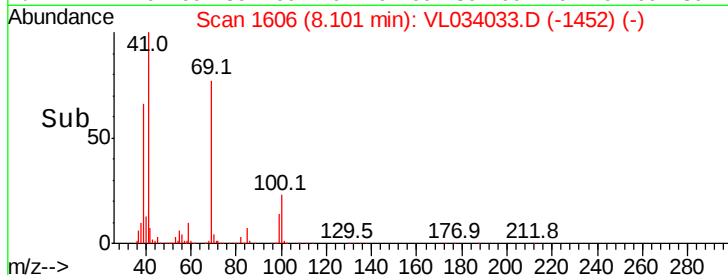
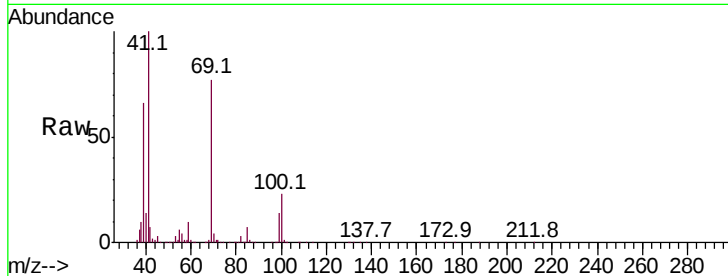
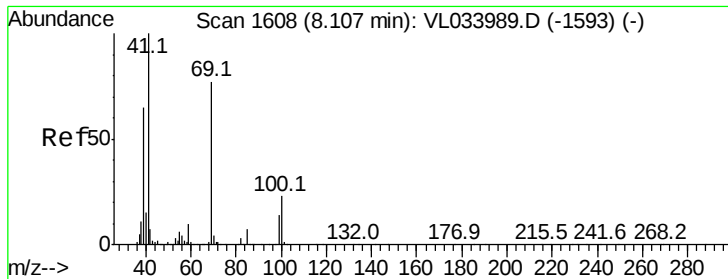
Delta R.T. -0.01 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

Tgt Ion:	83	Resp:	2191833
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.8	77.8
127	7.6	6.5	9.7





#43

Methyl Methacrylate

Concen: 12.574 ppbv

RT: 8.10 min Scan# 1606

Delta R.T. -0.01 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

Tot Ion:	69	Resp:	1027821
Ion	Ratio	Lower	Upper
69	100		
41	134.5	109.1	163.7
100	32.2	25.3	37.9

Instrument :

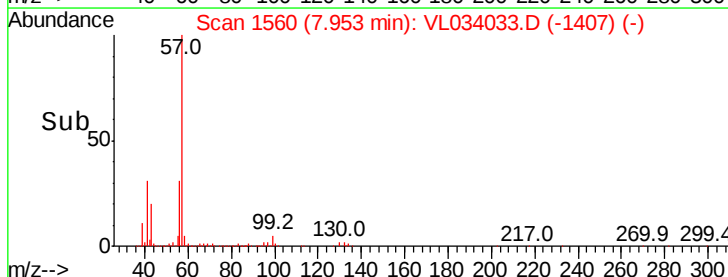
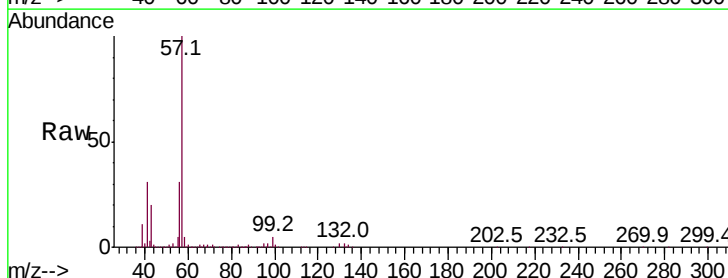
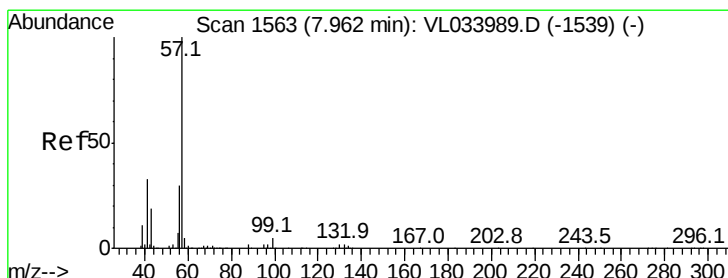
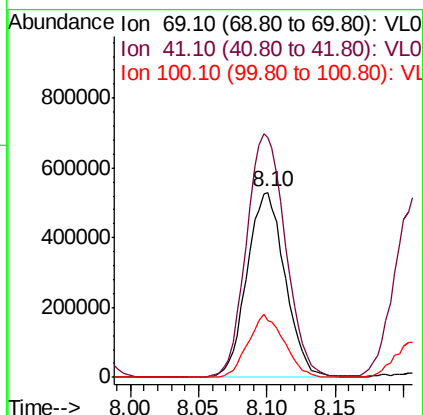
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 11.190 ppbv

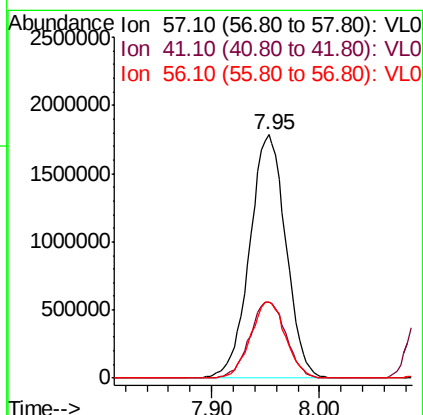
RT: 7.95 min Scan# 1560

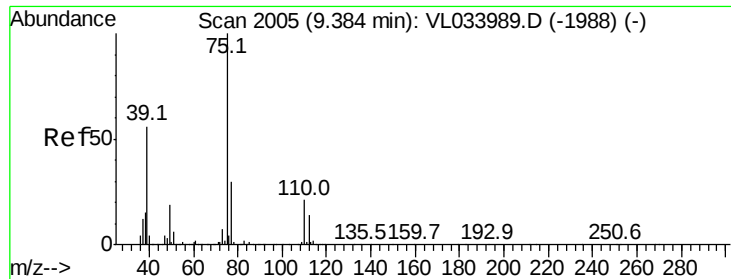
Delta R.T. -0.01 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

Tgt Ion:	57	Resp:	4161307
Ion	Ratio	Lower	Upper
57	100		
41	31.5	26.1	39.1
56	30.4	24.4	36.6





#45

t-1,3-Dichloropropene

Concen: 12.726 ppbv

RT: 9.37 min Scan# 2002

Delta R.T. -0.01 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

Instrument :
MSVOA_L

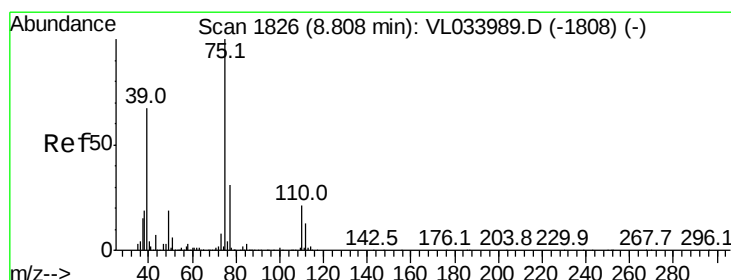
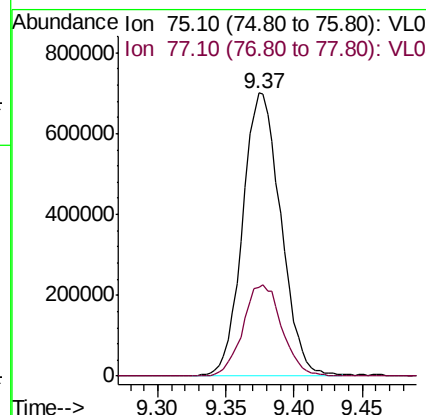
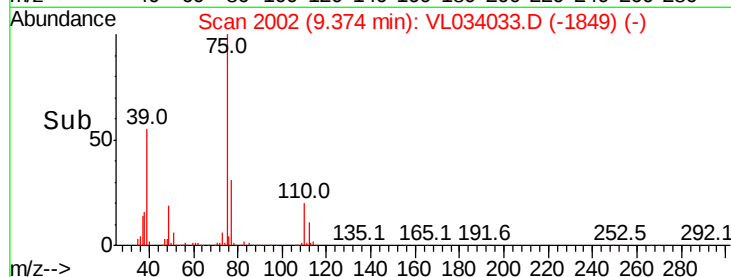
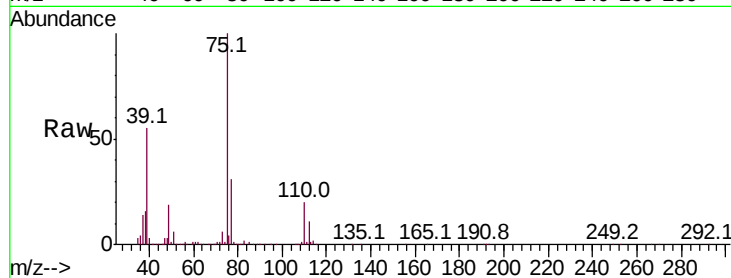
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1360311

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.3	36.5

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#46

cis-1,3-Dichloropropene

Concen: 12.449 ppbv

RT: 8.80 min Scan# 1823

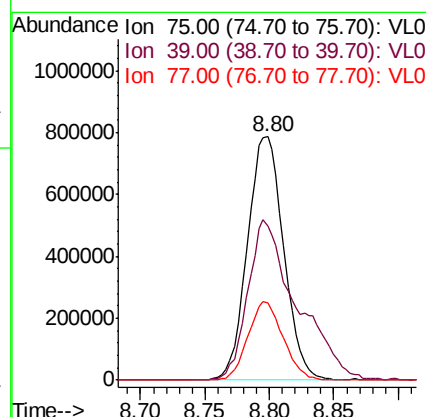
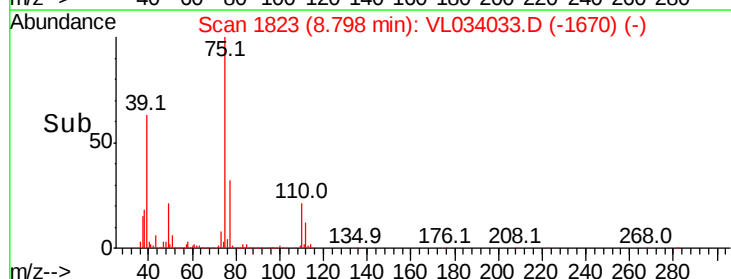
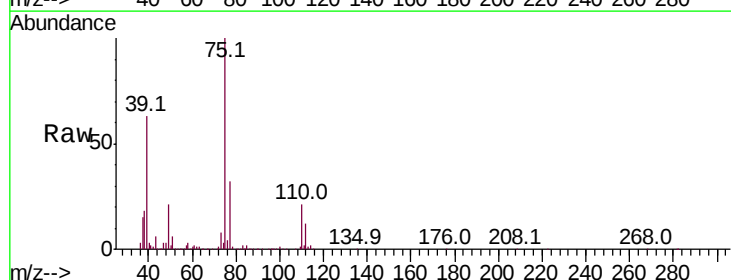
Delta R.T. -0.01 min

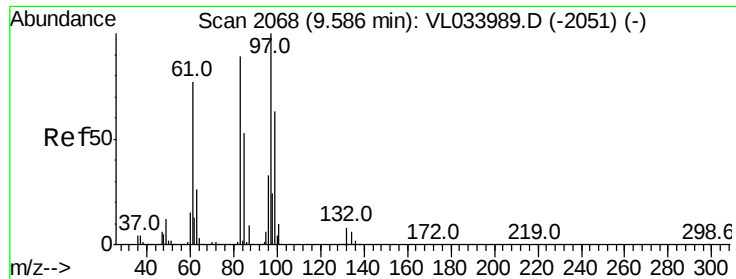
Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

Tgt Ion: 75 Resp: 1541098

Ion	Ratio	Lower	Upper
75	100		
39	63.2	53.8	80.6
77	31.8	24.5	36.7





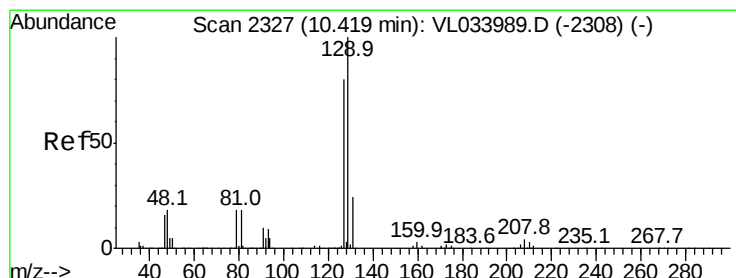
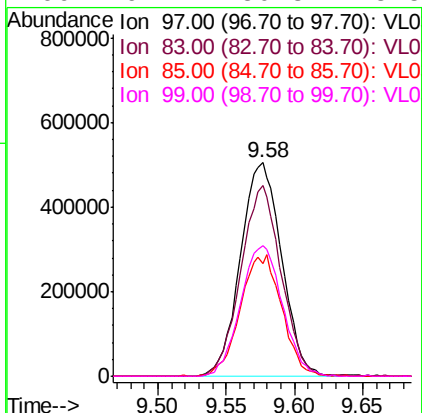
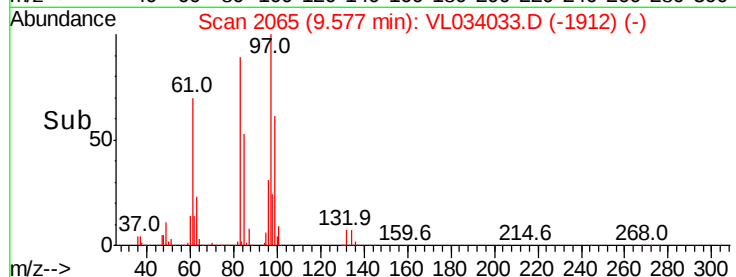
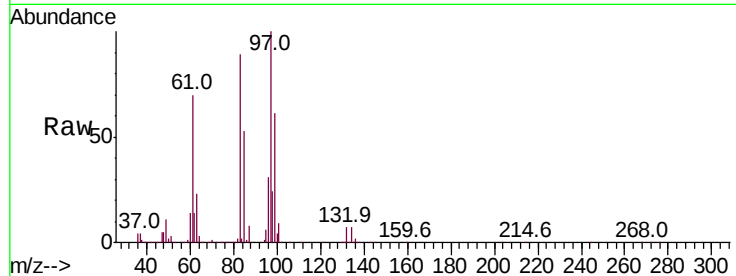
#47
 1,1,2-Trichloroethane
 Concen: 10.510 ppbv
 RT: 9.58 min Scan# 2065
 Delta R.T. -0.01 min
 Lab File: VL034033.D
 Acq: 12 Jul 2019 9:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.2	71.1	106.7
85	52.9	42.6	64.0
99	61.2	50.3	75.5

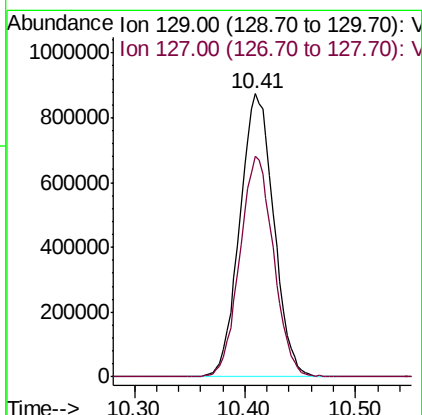
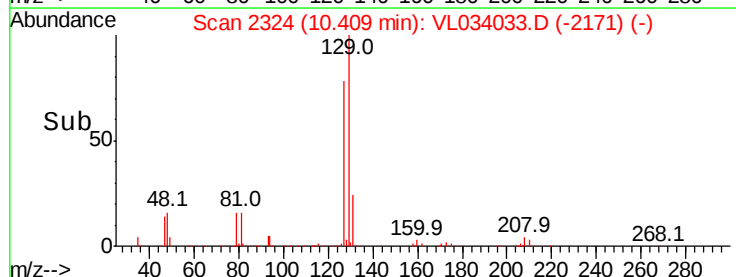
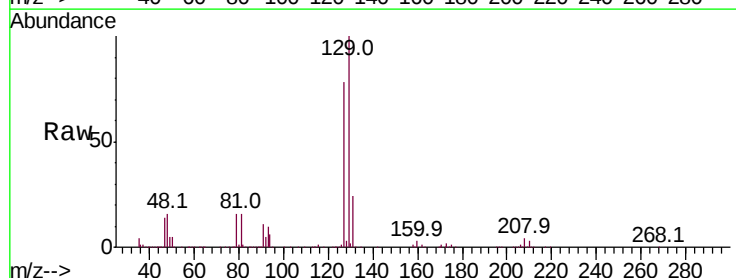
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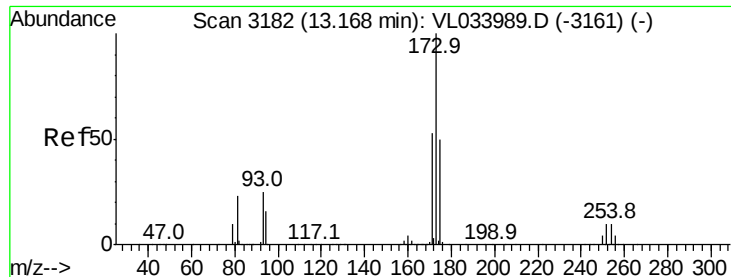
MMDadoda
 7/12/2019 10:47:28 PM



#48
 Dibromochloromethane
 Concen: 9.710 ppbv
 RT: 10.41 min Scan# 2324
 Delta R.T. -0.01 min
 Lab File: VL034033.D
 Acq: 12 Jul 2019 9:30

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.0	39.1	117.3





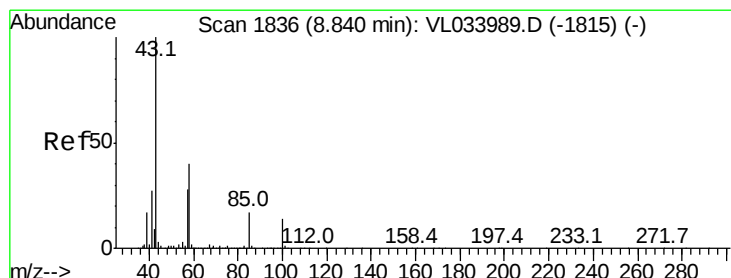
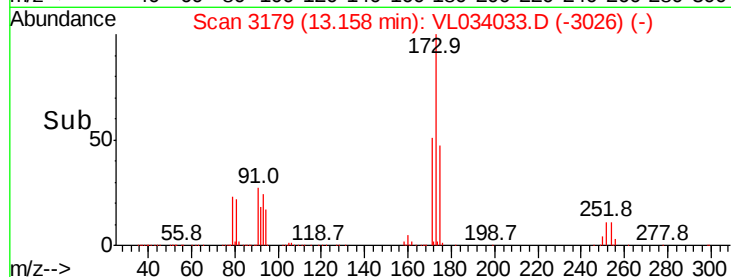
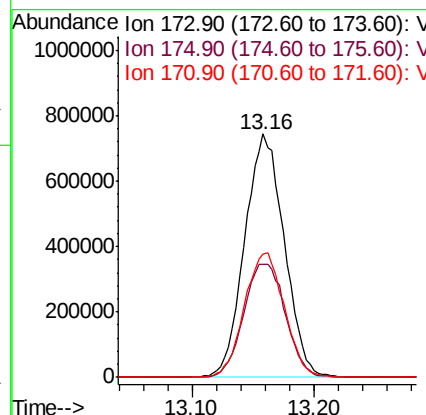
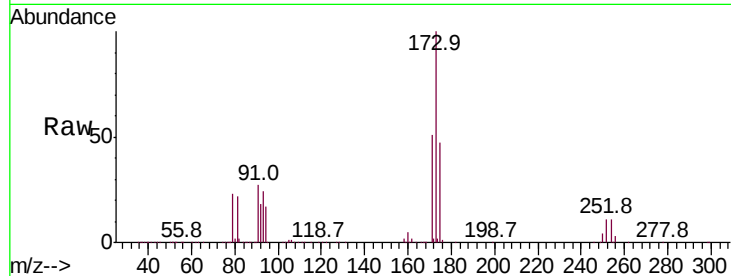
#49
Bromoform
Concen: 10.117 ppbv
RT: 13.16 min Scan# 3179
Delta R.T. -0.01 min
Lab File: VL034033.D
Acq: 12 Jul 2019 9:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	39.3	58.9
171	52.0	41.4	62.0

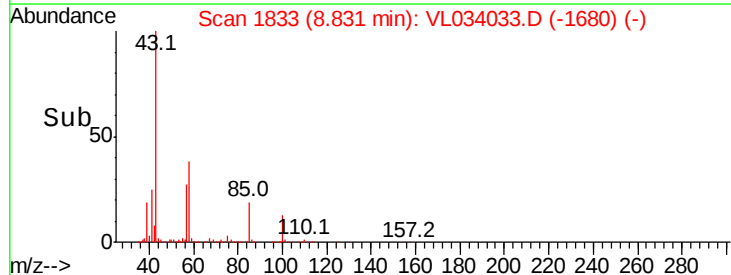
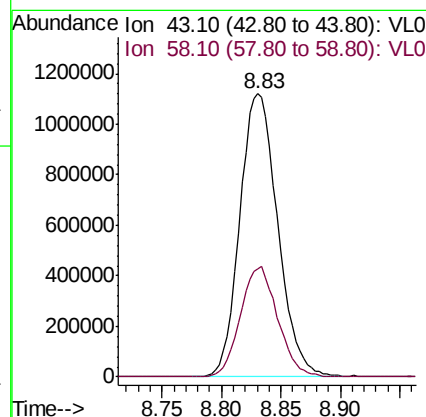
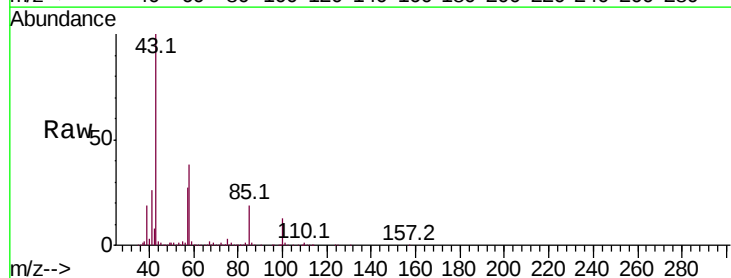
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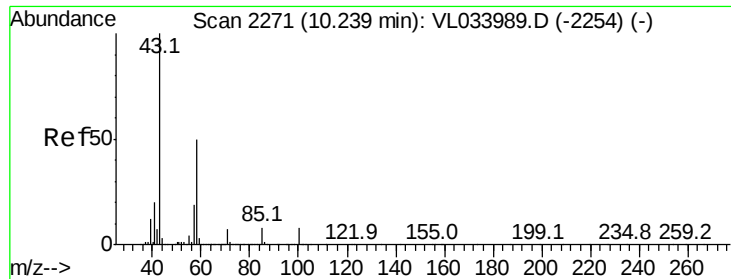
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 11.438 ppbv
RT: 8.83 min Scan# 1833
Delta R.T. -0.01 min
Lab File: VL034033.D
Acq: 12 Jul 2019 9:30

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.3	30.3	45.5





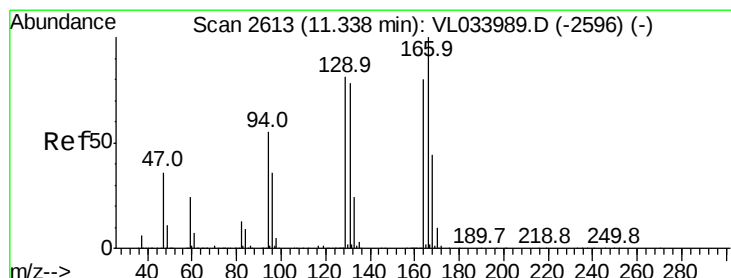
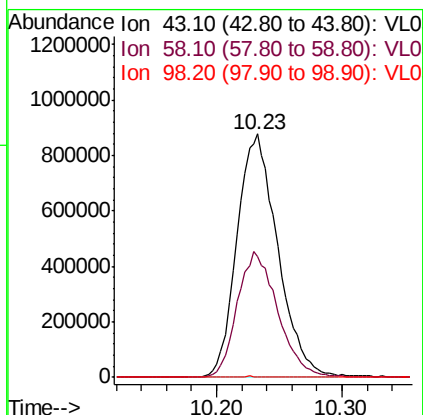
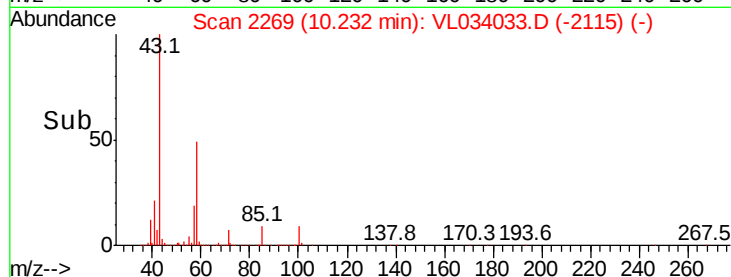
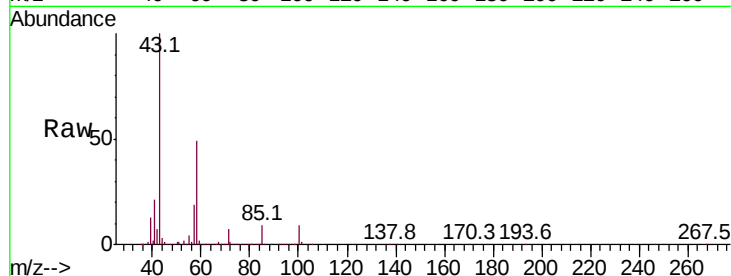
#51
2-Hexanone
Concen: 11.339 ppbv
RT: 10.23 min Scan# 2269
Delta R.T. -0.01 min
Lab File: VL034033.D
Acq: 12 Jul 2019 9:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.4	41.0	61.4
98	0.4	0.2	0.2#

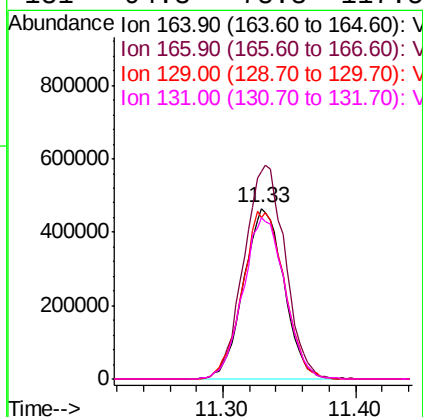
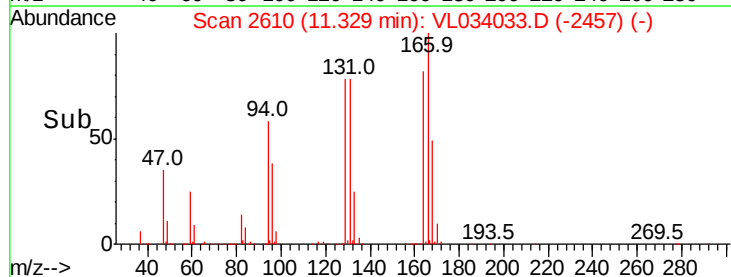
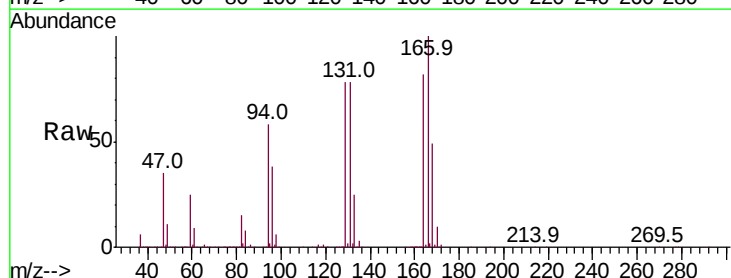
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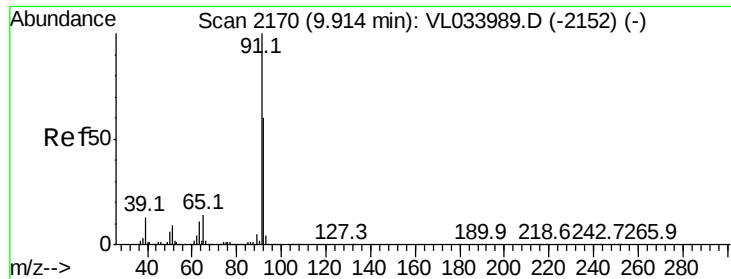
MMDadoda
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#52
Tetrachloroethene
Concen: 10.563 ppbv
RT: 11.33 min Scan# 2610
Delta R.T. -0.01 min
Lab File: VL034033.D
Acq: 12 Jul 2019 9:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.5	100.2	150.2
129	94.5	81.0	121.6
131	94.3	78.3	117.5





#53

Toluene

Concen: 12.227 ppbv

RT: 9.90 min Scan# 2167

Delta R.T. -0.01 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3015507

Ion Ratio Lower Upper

91 100

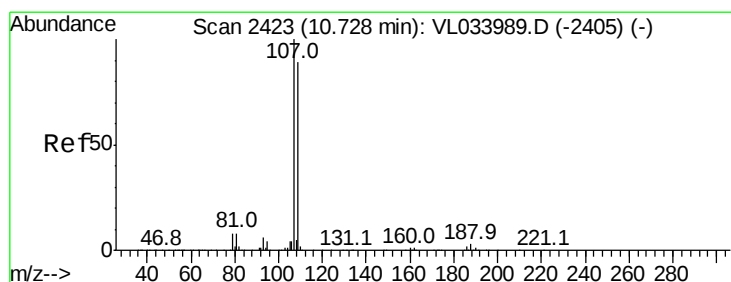
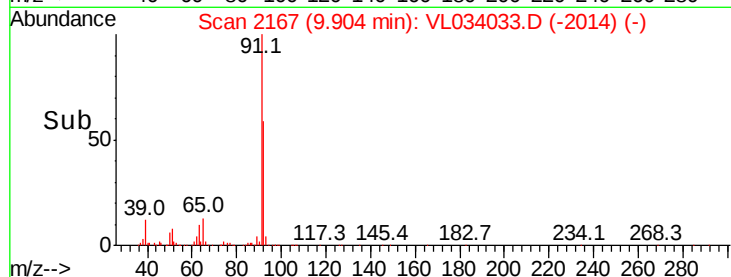
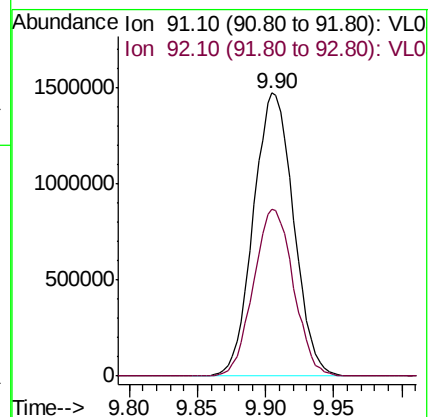
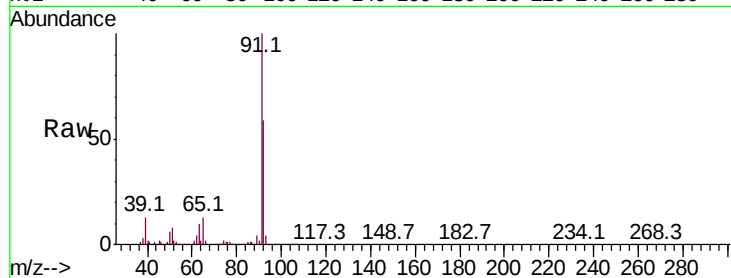
92 58.7 47.7 71.5

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.856 ppbv

RT: 10.72 min Scan# 2420

Delta R.T. -0.01 min

Lab File: VL034033.D

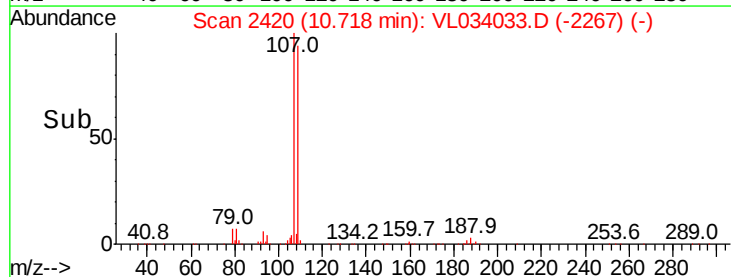
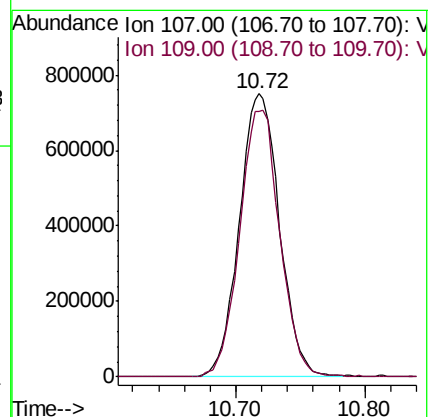
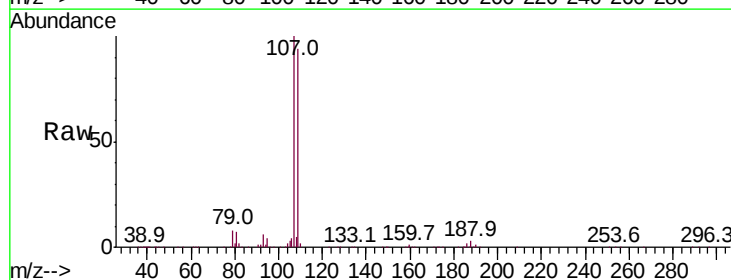
Acq: 12 Jul 2019 9:30

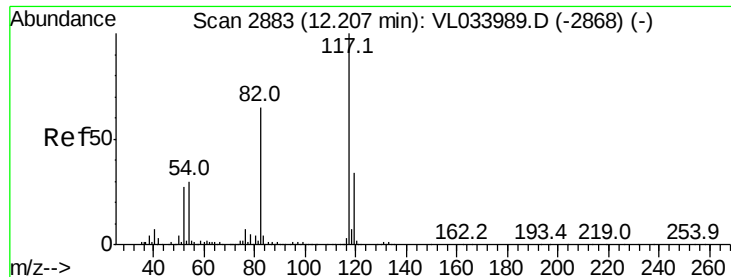
Tgt Ion: 107 Resp: 1613774

Ion Ratio Lower Upper

107 100

109 94.0 71.5 107.3





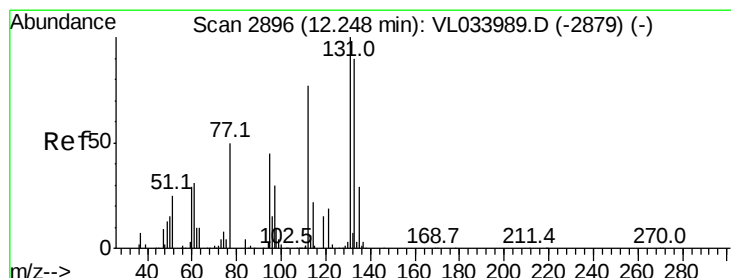
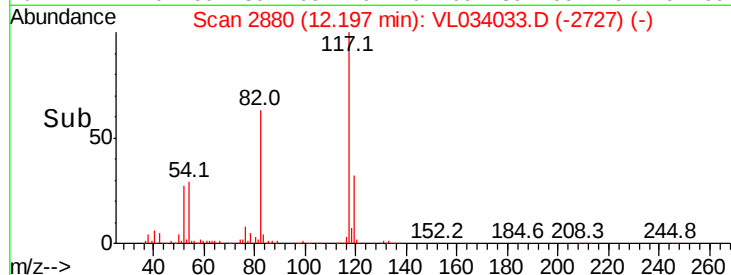
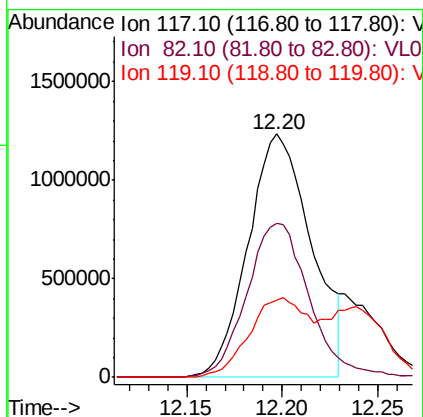
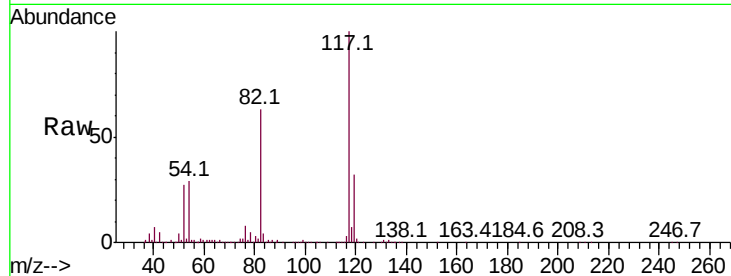
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.20 min Scan# 2880
Delta R.T. -0.01 min
Lab File: VL034033.D
Acq: 12 Jul 2019 9:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 2837514
Ion Ratio Lower Upper
117 100
82 62.7 50.8 76.2
119 33.8 24.0 36.0

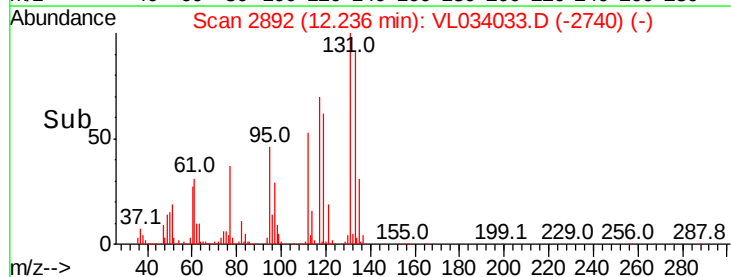
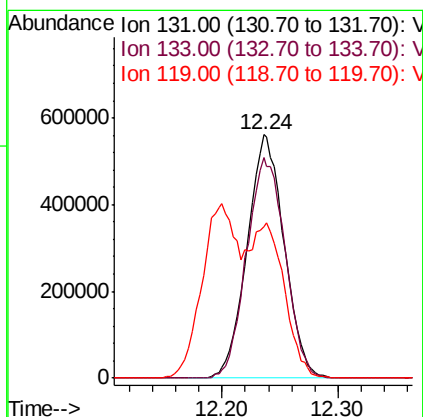
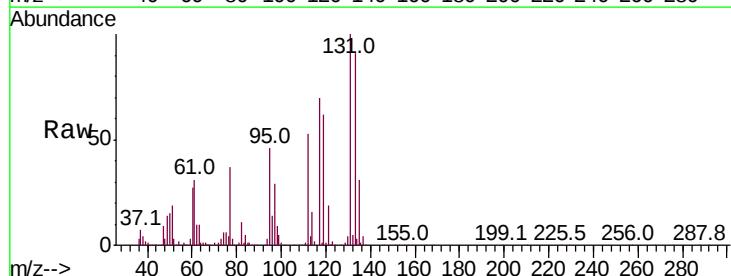
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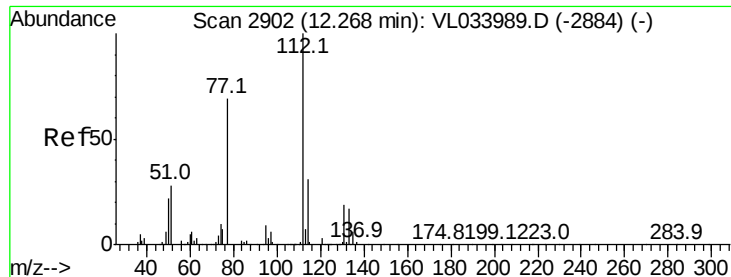
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.817 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL034033.D
Acq: 12 Jul 2019 9:30

Tgt Ion:131 Resp: 1245034
Ion Ratio Lower Upper
131 100
133 94.4 76.2 114.2
119 54.3 43.1 64.7





#57

Chlorobenzene

Concen: 9.925 ppbv

RT: 12.26 min Scan# 2900

Delta R.T. -0.01 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 2242125

Ion Ratio Lower Upper

112 100

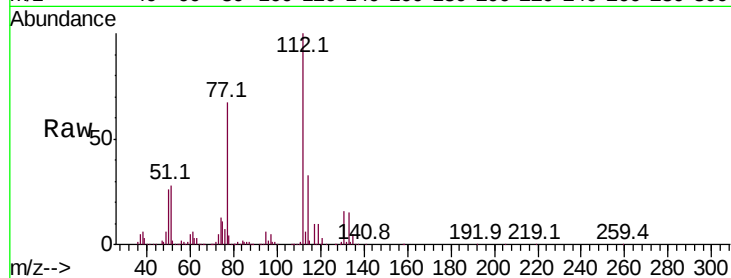
77 66.7 55.9 83.9

114 32.9 27.6 33.8

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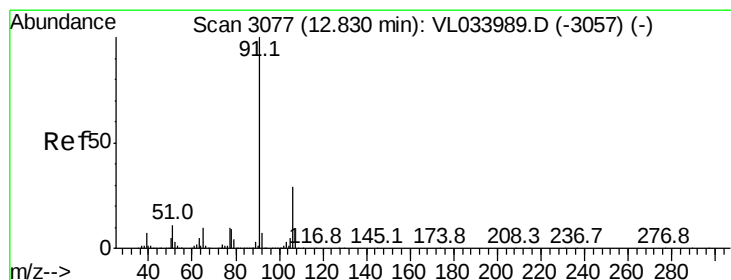
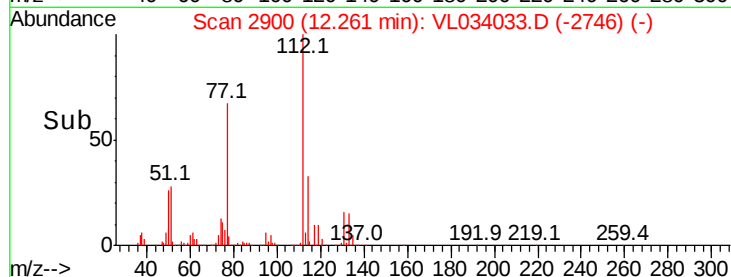
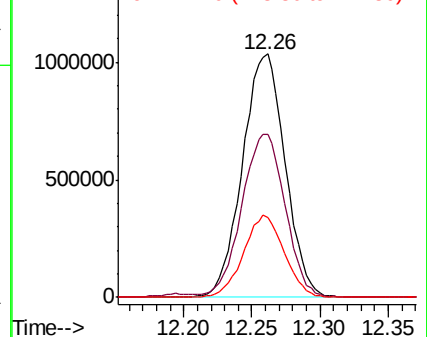
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 11.709 ppbv

RT: 12.82 min Scan# 3074

Delta R.T. -0.01 min

Lab File: VL034033.D

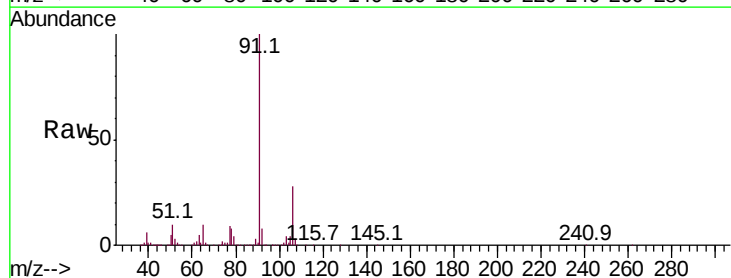
Acq: 12 Jul 2019 9:30

Tgt Ion: 91 Resp: 3995341

Ion Ratio Lower Upper

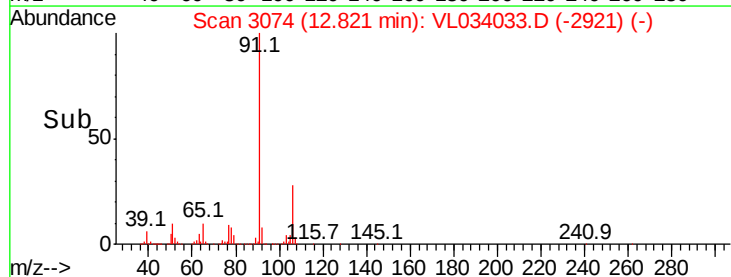
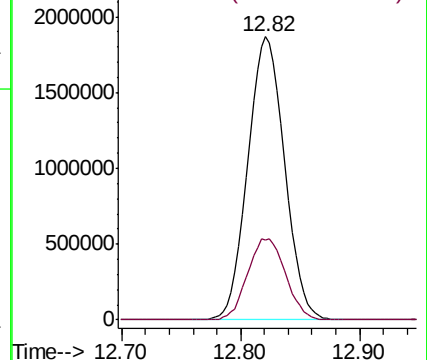
91 100

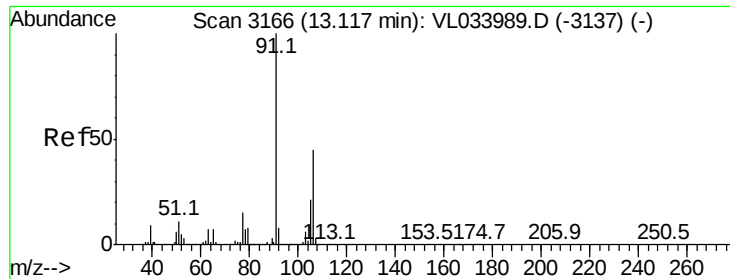
106 28.1 23.3 34.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





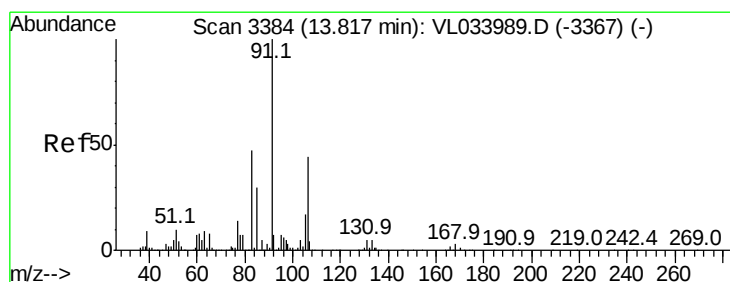
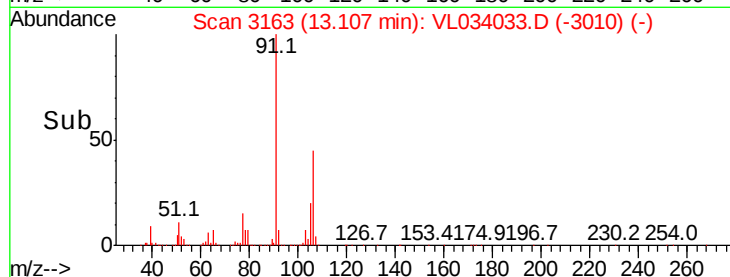
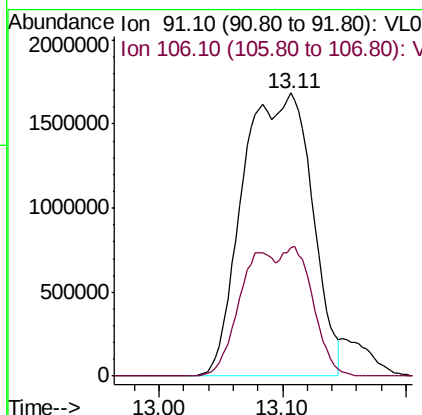
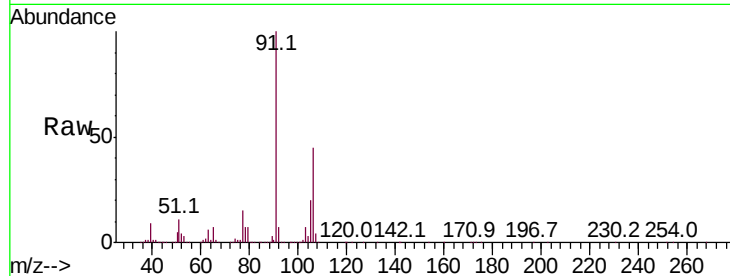
#59
m/p-Xylene
Concen: 21.199 ppbv m
RT: 13.11 min Scan# 3163
Delta R.T. -0.01 min
Lab File: VL034033.D
Acq: 12 Jul 2019 9:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 6549632
Ion Ratio Lower Upper
91 100
106 45.1 35.7 53.5

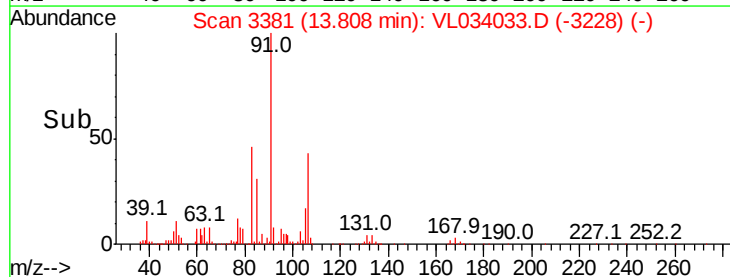
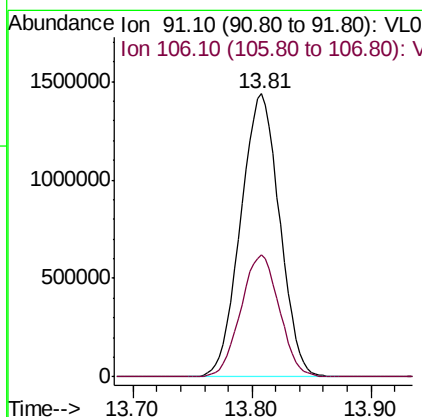
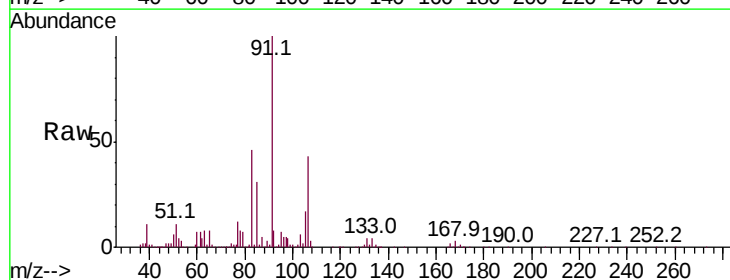
Manual Integrations
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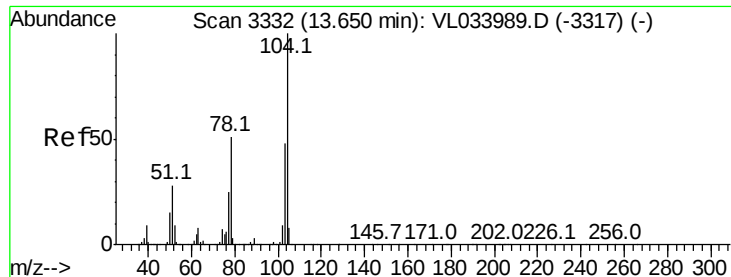
MMDadoda
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#60
o-Xylene
Concen: 10.520 ppbv
RT: 13.81 min Scan# 3381
Delta R.T. -0.01 min
Lab File: VL034033.D
Acq: 12 Jul 2019 9:30

Tgt Ion: 91 Resp: 3251650
Ion Ratio Lower Upper
91 100
106 42.7 21.9 65.7





#61

Stvrene

Concen: 12.034 ppbv

RT: 13.64 min Scan# 3329

Delta R.T. -0.01 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 2461612

Ion Ratio Lower Upper

104 100

78 53.1 43.9 65.9

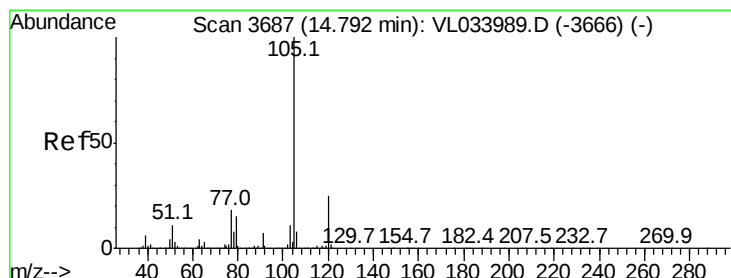
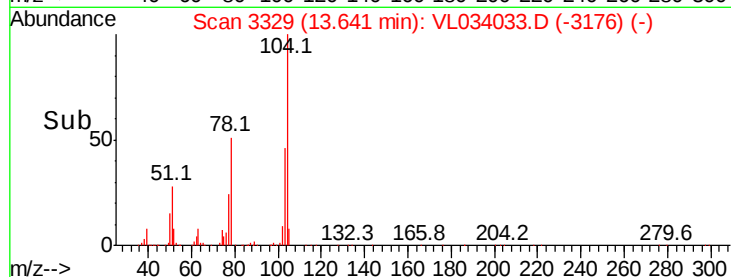
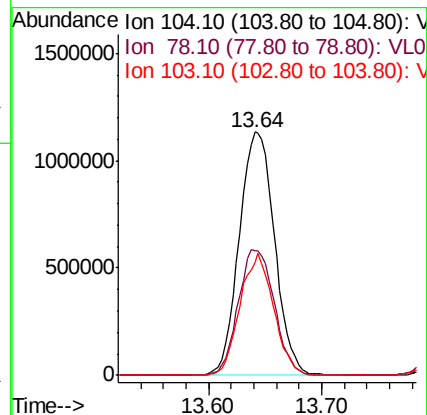
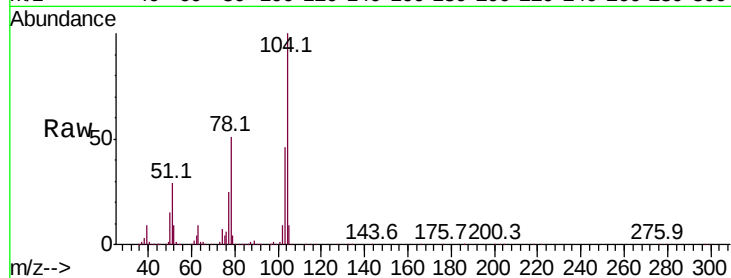
103 47.7 38.1 57.1

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#62

Isopropylbenzene

Concen: 9.110 ppbv

RT: 14.79 min Scan# 3685

Delta R.T. -0.01 min

Lab File: VL034033.D

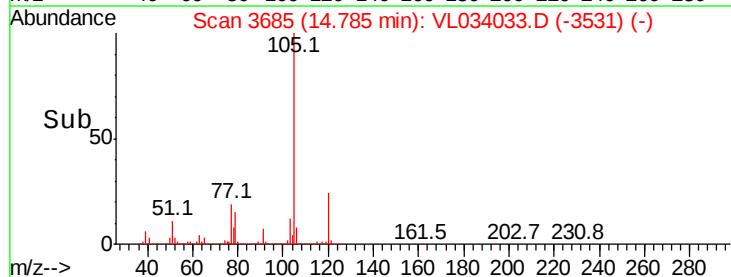
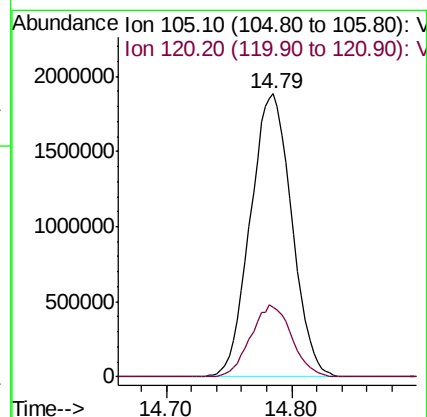
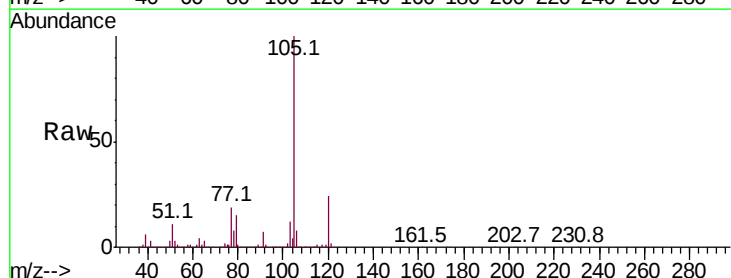
Acq: 12 Jul 2019 9:30

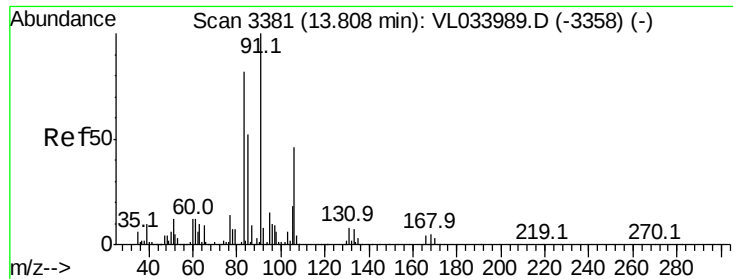
Tgt Ion:105 Resp: 4328543

Ion Ratio Lower Upper

105 100

120 25.2 20.4 30.6





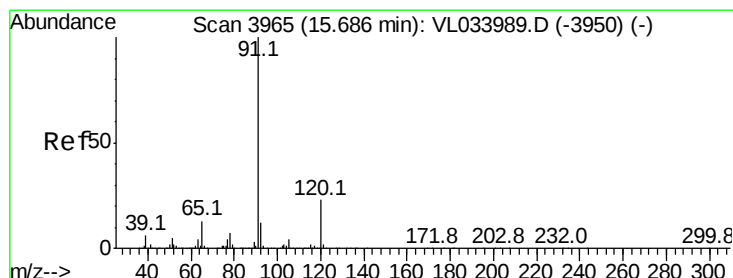
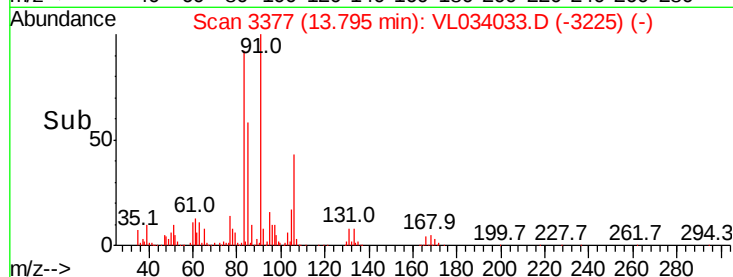
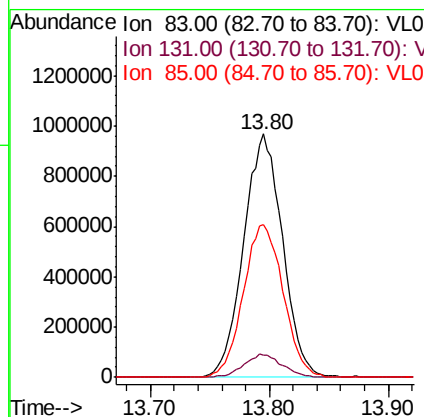
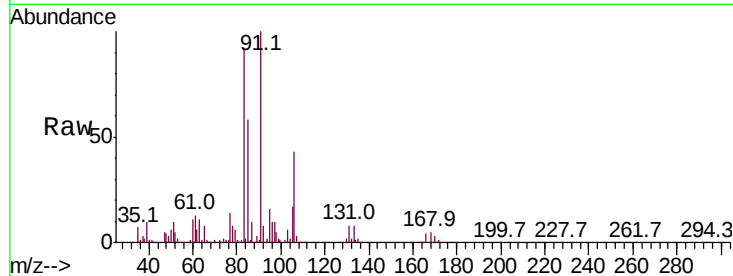
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.128 ppbv
 RT: 13.80 min Scan# 3377
 Delta R.T. -0.01 min
 Lab File: VL034033.D
 Acq: 12 Jul 2019 9:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	83	Resp	2183895
Ion Ratio	100	Lower	Upper
83	100		
131	9.5	5.0	14.9
85	64.4	32.8	98.3

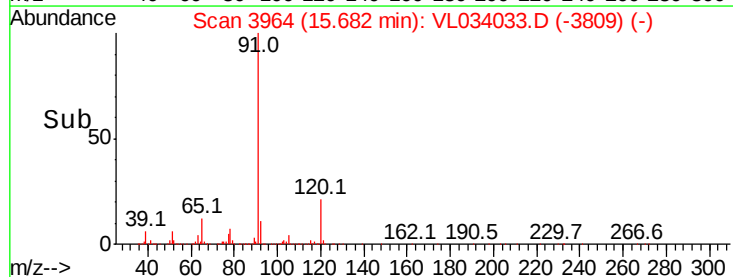
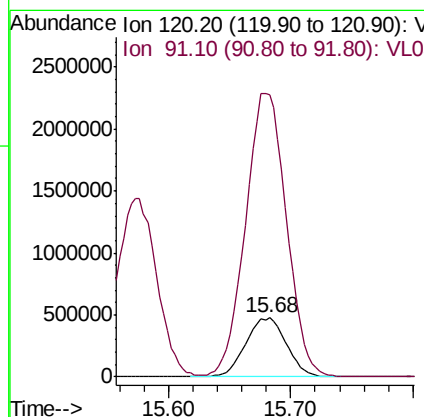
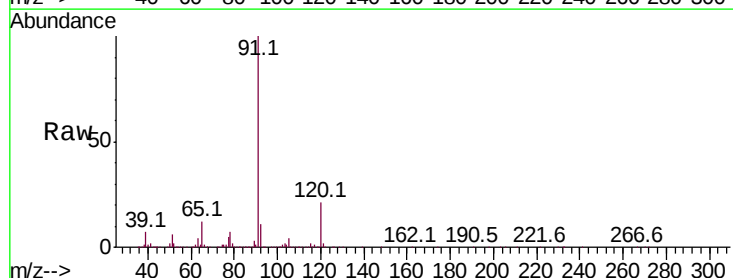
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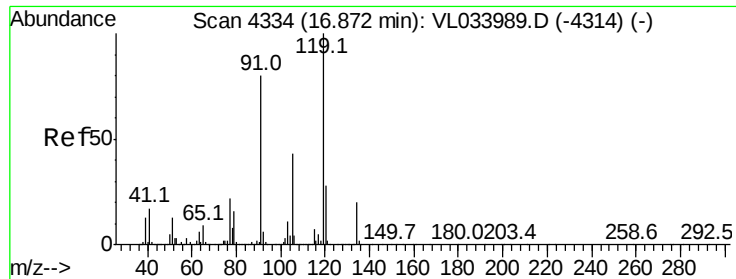
MMDadoda
 7/12/2019 10:47:28 PM



#64
 n-propylbenzene
 Concen: 8.899 ppbv
 RT: 15.68 min Scan# 3964
 Delta R.T. -0.00 min
 Lab File: VL034033.D
 Acq: 12 Jul 2019 9:30

Tgt Ion	120	Resp	1096442
Ion Ratio	100	Lower	Upper
120	100		
91	484.0	386.6	579.8





#65

tert-Butylbenzene

Concen: 9.380 ppbv

RT: 16.87 min Scan# 4333

Delta R.T. -0.00 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 3789963

Ion Ratio Lower Upper

119 100

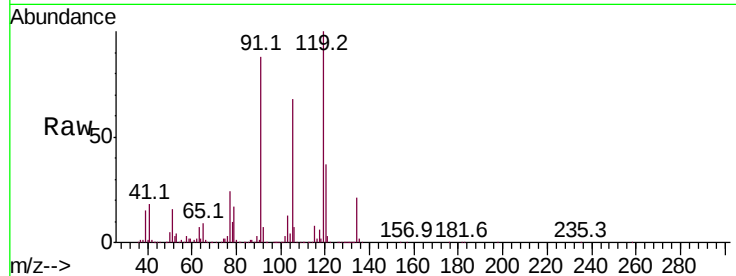
91 84.1 67.0 100.6

134 20.0 15.8 23.6

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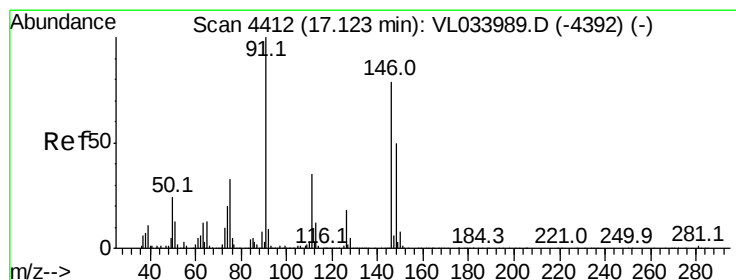
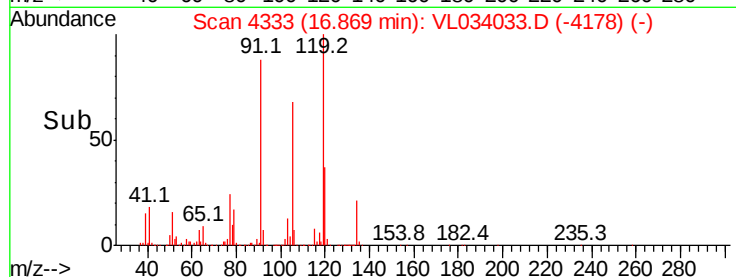
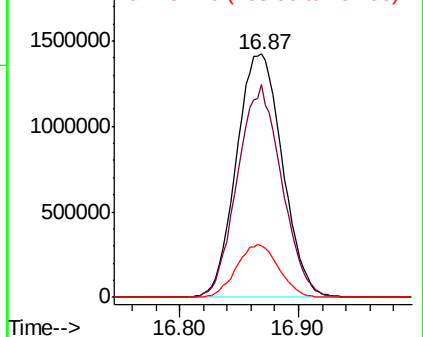
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 9.884 ppbv

RT: 17.11 min Scan# 4409

Delta R.T. -0.01 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

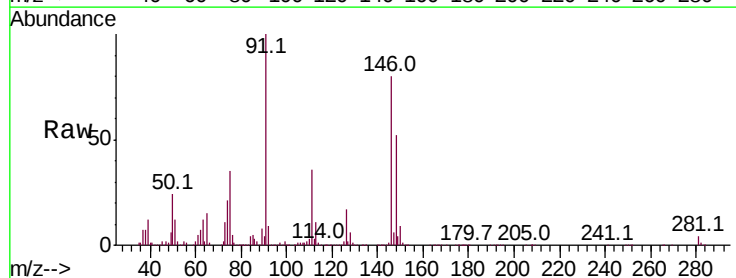
Tgt Ion: 91 Resp: 2043197

Ion Ratio Lower Upper

91 100

126 17.4 13.9 20.9

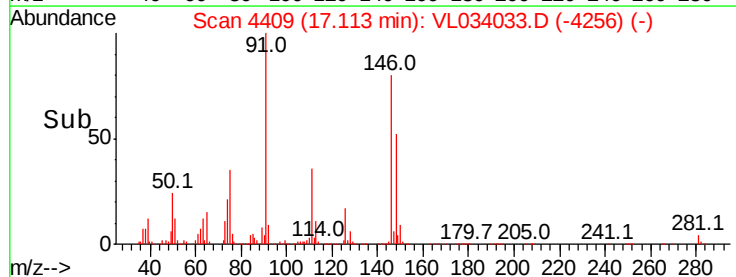
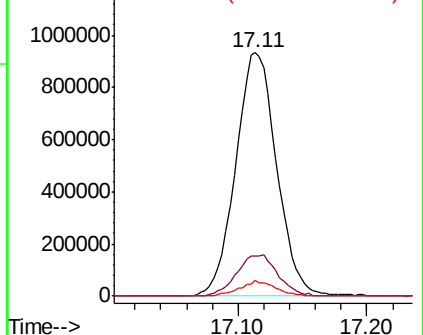
128 5.7 4.6 7.0

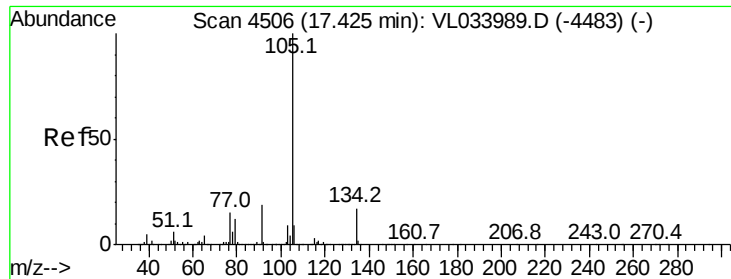


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





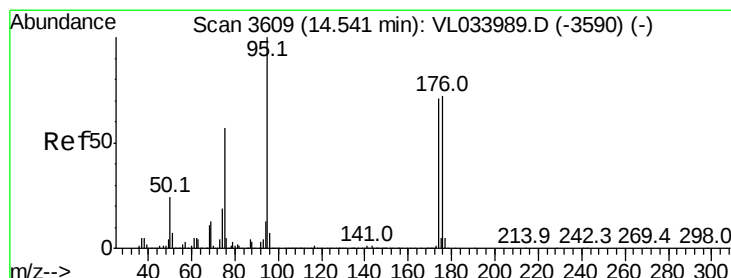
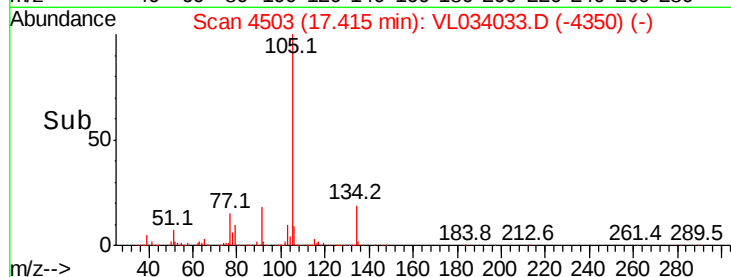
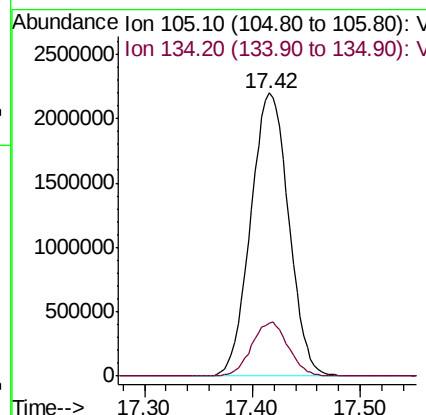
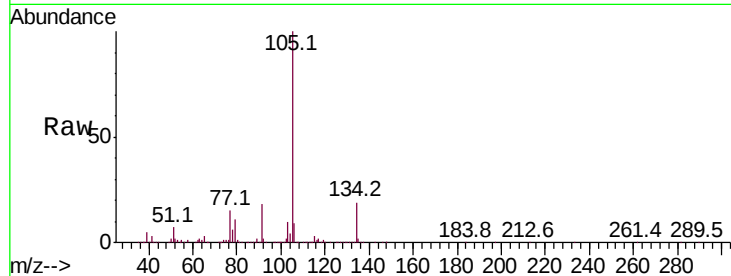
#67
 sec-Butylbenzene
 Concen: 9.480 ppbv
 RT: 17.42 min Scan# 4503
 Delta R.T. -0.01 min
 Lab File: VL034033.D
 Acq: 12 Jul 2019 9:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 5376748
 Ion Ratio Lower Upper
 105 100
 134 18.5 14.7 22.1

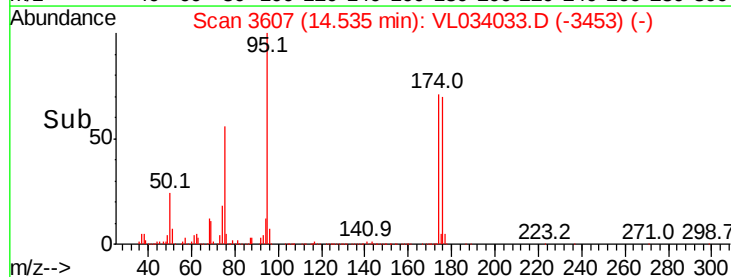
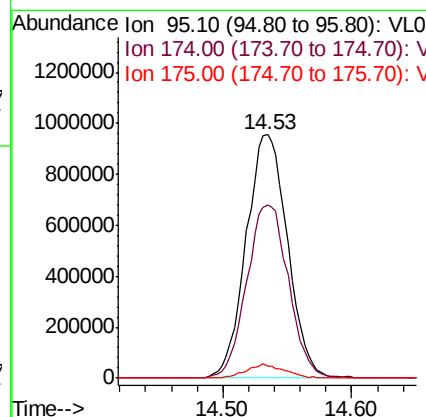
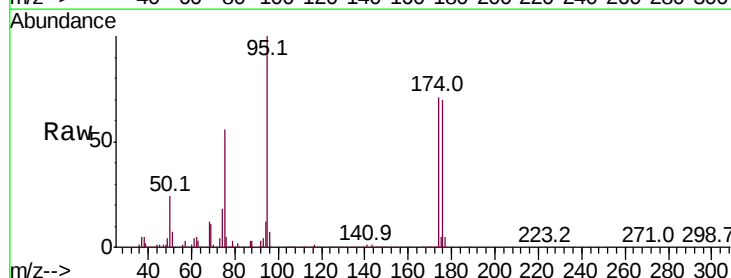
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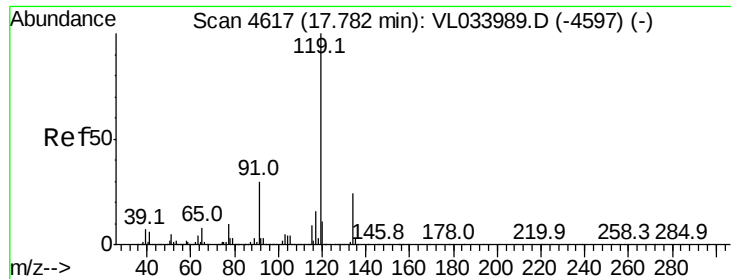
MMDadoda
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.821 ppbv
 RT: 14.53 min Scan# 3607
 Delta R.T. -0.01 min
 Lab File: VL034033.D
 Acq: 12 Jul 2019 9:30

Tgt Ion: 95 Resp: 2134862
 Ion Ratio Lower Upper
 95 100
 174 72.0 60.5 90.7
 175 5.3 4.0 6.0





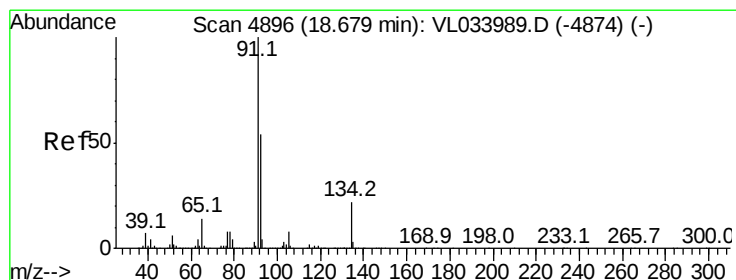
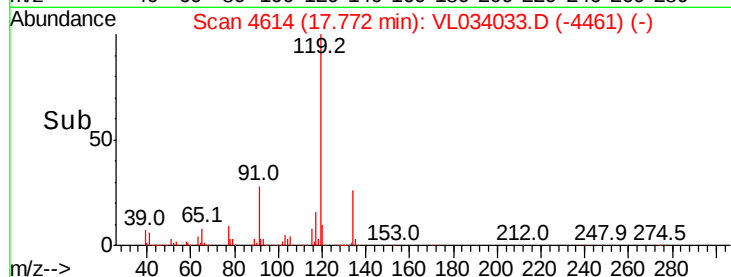
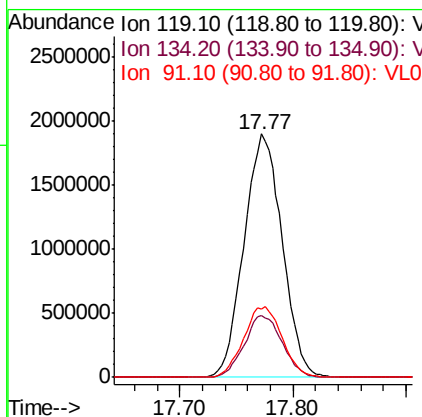
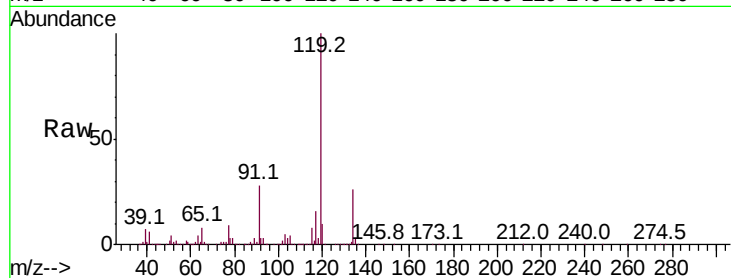
#69
 p-Isopropyltoluene
 Concen: 9.514 ppbv
 RT: 17.77 min Scan# 4614
 Delta R.T. -0.01 min
 Lab File: VL034033.D
 Acq: 12 Jul 2019 9:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.1	30.1
91	29.4	23.6	35.4

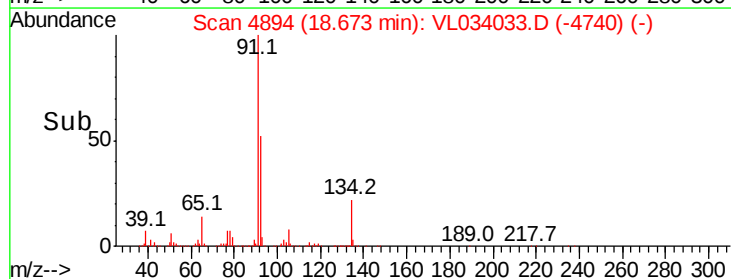
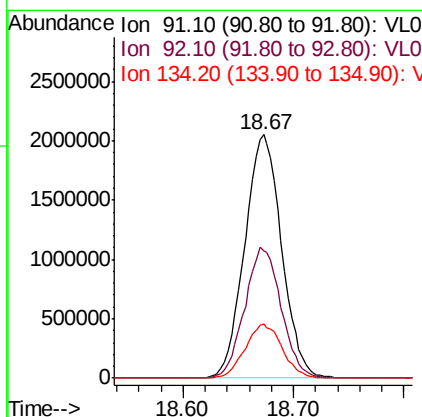
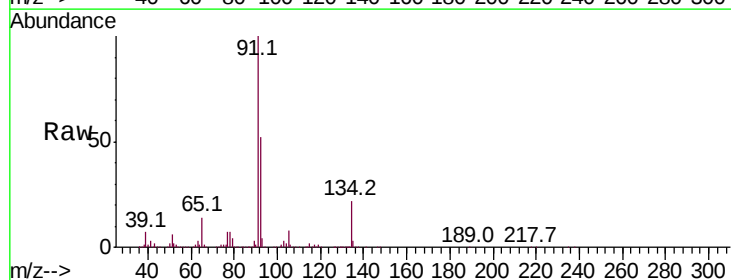
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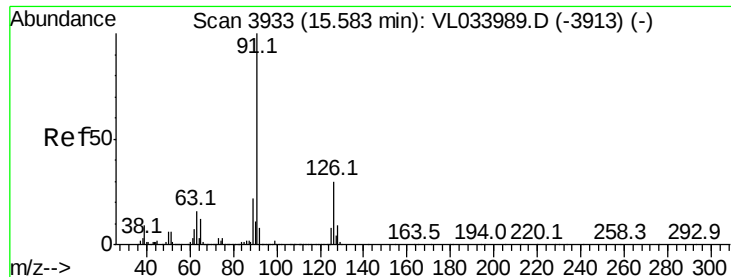
MMDadoda
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#70
 n-Butylbenzene
 Concen: 9.662 ppbv
 RT: 18.67 min Scan# 4894
 Delta R.T. -0.01 min
 Lab File: VL034033.D
 Acq: 12 Jul 2019 9:30

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.0	42.0	63.0
134	22.2	17.9	26.9





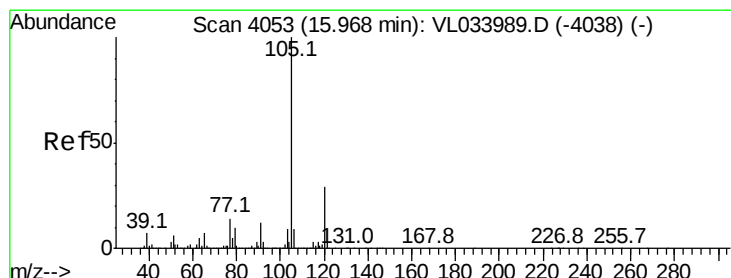
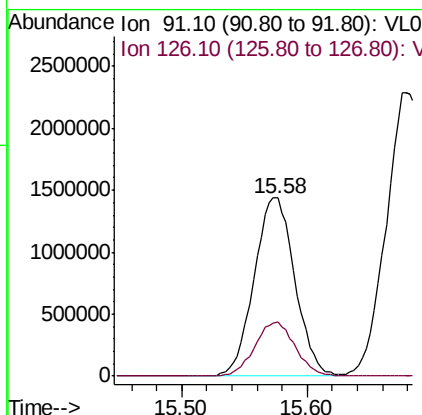
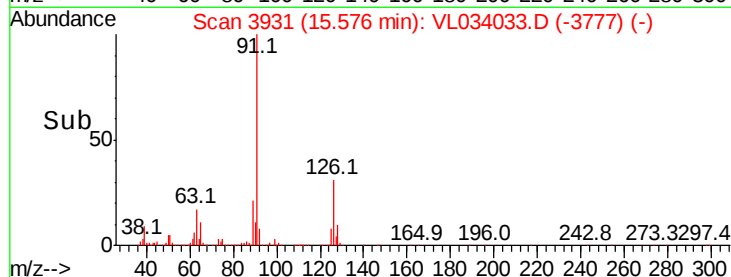
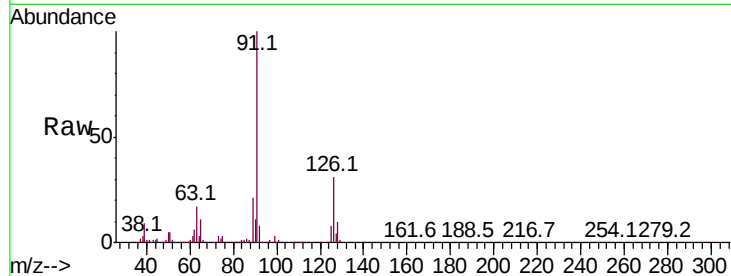
#71
 2-Chlorotoluene
 Concen: 9.335 ppbv
 RT: 15.58 min Scan# 3931
 Delta R.T. -0.01 min
 Lab File: VL034033.D
 Acq: 12 Jul 2019 9:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 91 Resp: 3246139
 Ion Ratio Lower Upper
 91 100
 126 30.1 12.3 49.3

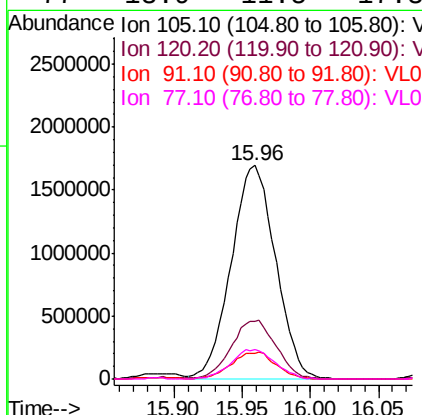
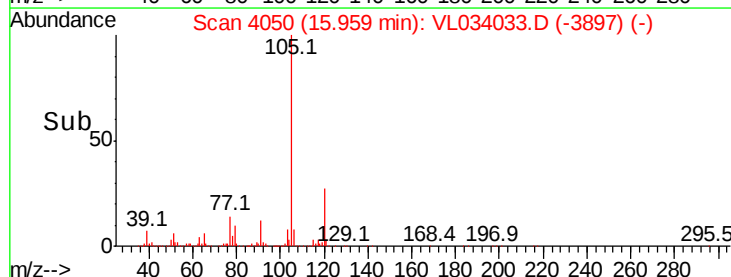
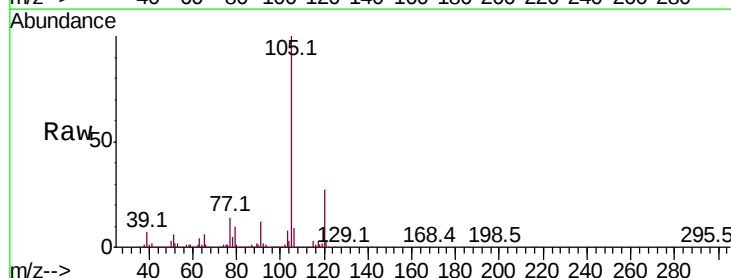
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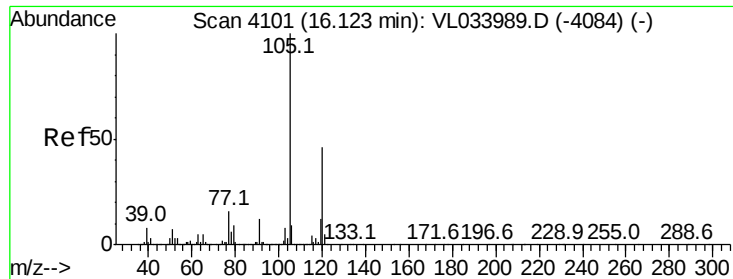
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#72
 4-Ethyltoluene
 Concen: 9.624 ppbv
 RT: 15.96 min Scan# 4050
 Delta R.T. -0.01 min
 Lab File: VL034033.D
 Acq: 12 Jul 2019 9:30

Tgt Ion: 105 Resp: 3820024
 Ion Ratio Lower Upper
 105 100
 120 27.8 24.1 36.1
 91 12.7 10.6 16.0
 77 13.9 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 9.709 ppbv

RT: 16.12 min Scan# 4099

Delta R.T. -0.01 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 3585611

Ion Ratio Lower Upper

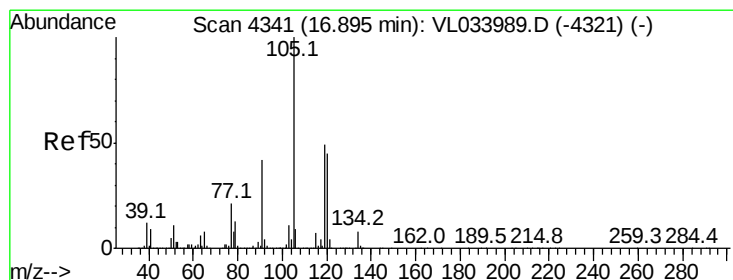
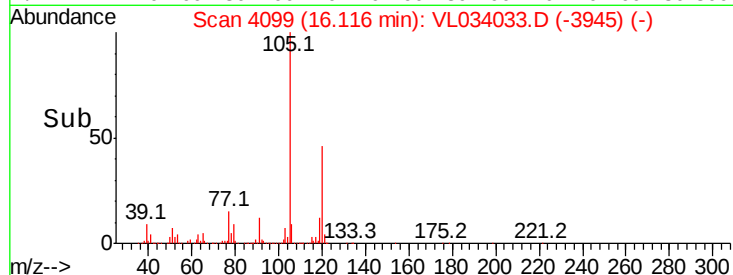
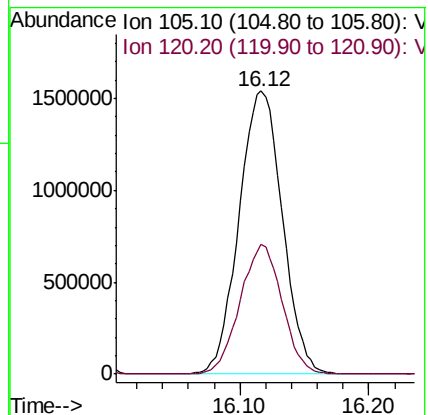
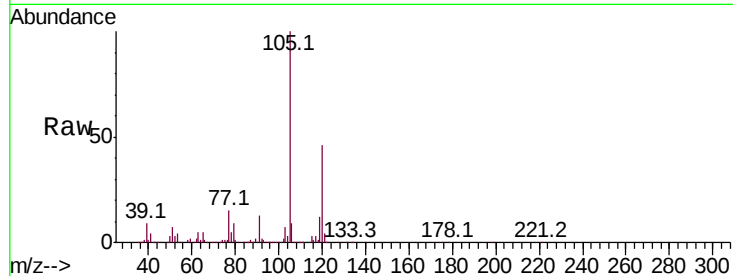
105 100

120 46.0 36.4 54.6

Manual Integrations
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#74

1,2,4-Trimethylbenzene

Concen: 9.156 ppbv

RT: 16.88 min Scan# 4338

Delta R.T. -0.01 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

Tgt Ion:105 Resp: 3745388

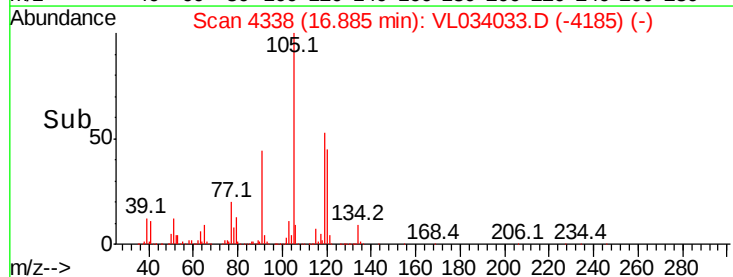
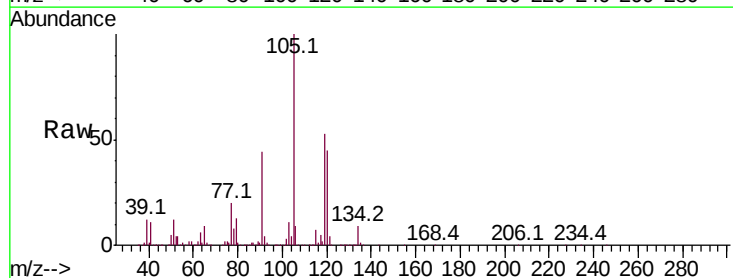
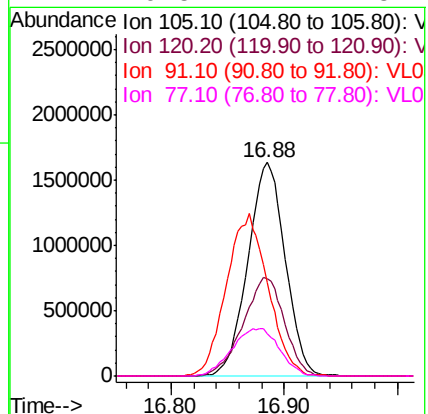
Ion Ratio Lower Upper

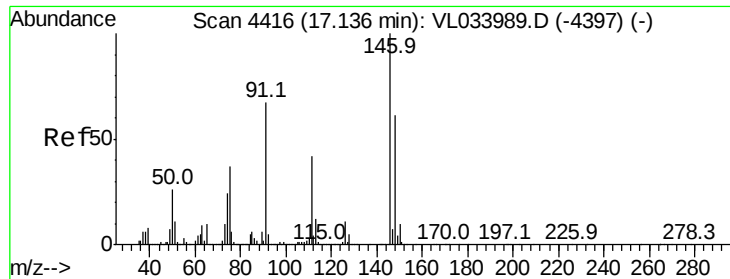
105 100

120 45.2 36.2 54.2

91 43.8 34.3 51.5

77 19.5 17.1 25.7





#75

1,3-Dichlorobenzene

Concen: 8.425 ppbv

RT: 17.12 min Scan# 4412

Delta R.T. -0.01 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2189077

Ion Ratio Lower Upper

146 100

111 44.9 22.3 66.9

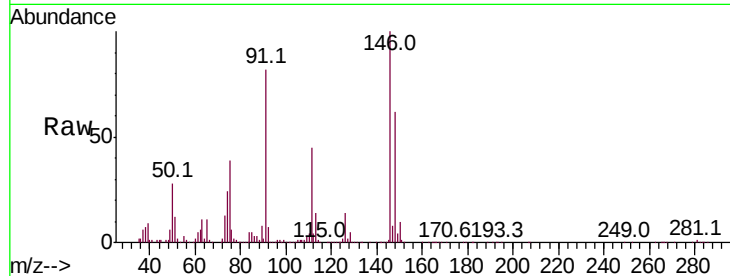
148 64.5 32.0 96.2

Manual Integrations

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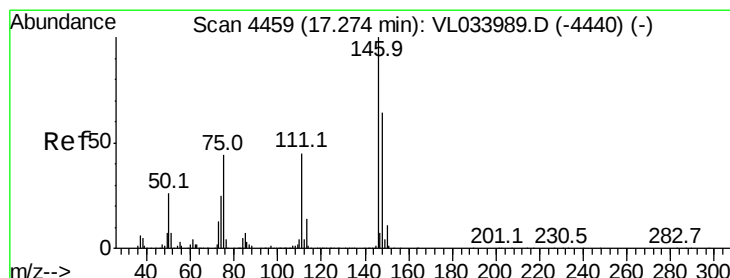
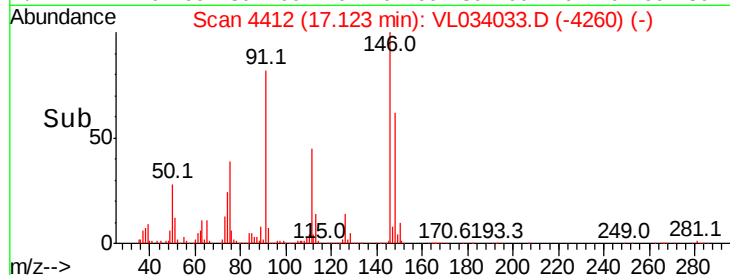
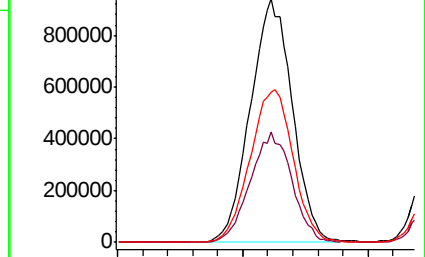
7/12/2019 10:47:28 PM



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: 8.855 ppbv

RT: 17.27 min Scan# 4457

Delta R.T. -0.01 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

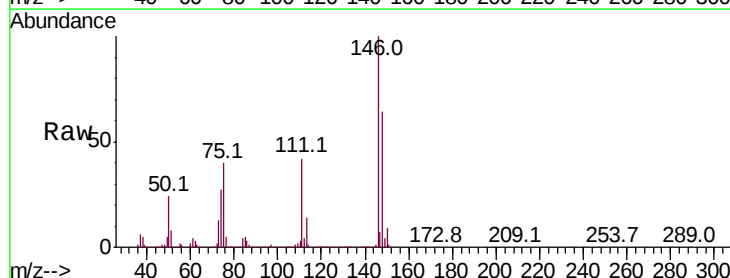
Tgt Ion:146 Resp: 2167116

Ion Ratio Lower Upper

146 100

111 44.0 21.9 65.5

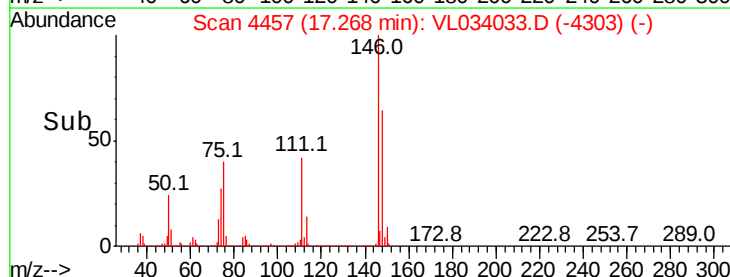
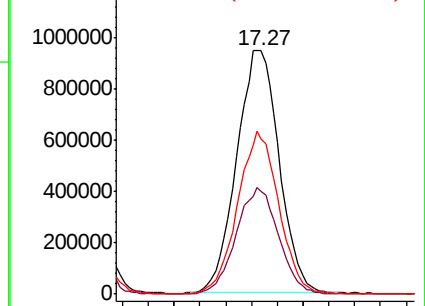
148 65.4 32.5 97.5

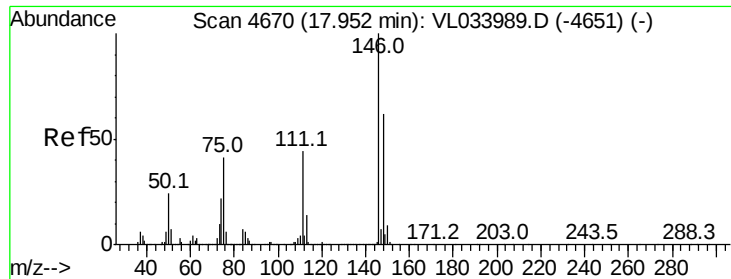


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 8.882 ppbv

RT: 17.95 min Scan# 4668

Delta R.T. -0.01 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2136976

Ion Ratio Lower Upper

146 100

111 46.0 22.7 68.1

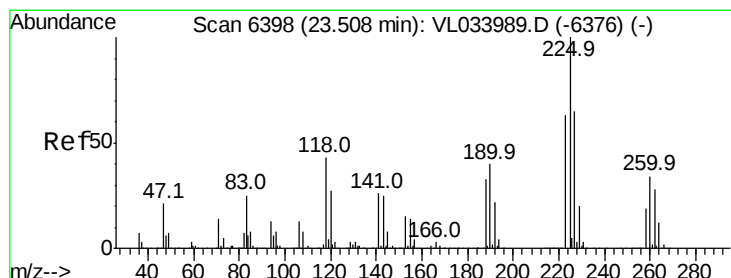
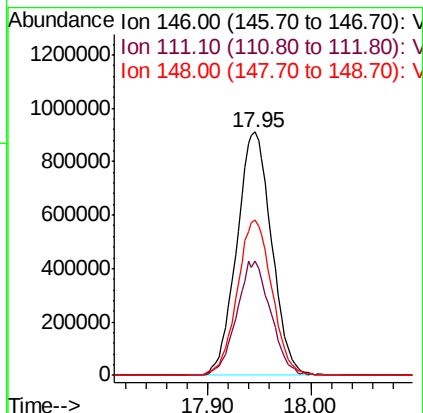
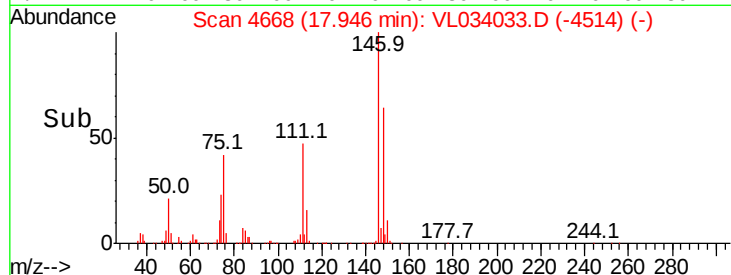
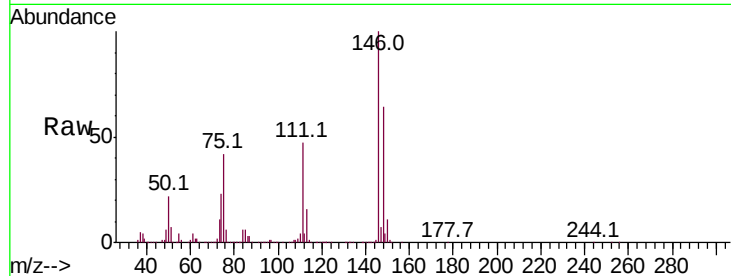
148 63.7 32.1 96.3

Manual Integrations

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#78

Hexachloro-1,3-Butadiene

Concen: 10.705 ppbv

RT: 23.50 min Scan# 6396

Delta R.T. -0.01 min

Lab File: VL034033.D

Acq: 12 Jul 2019 9:30

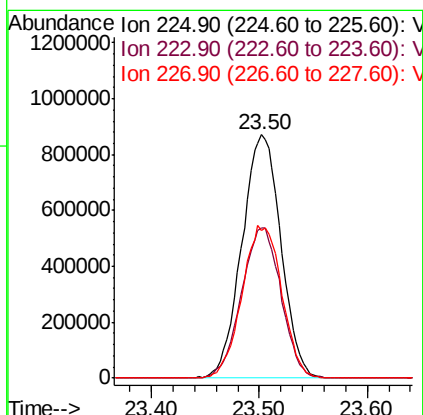
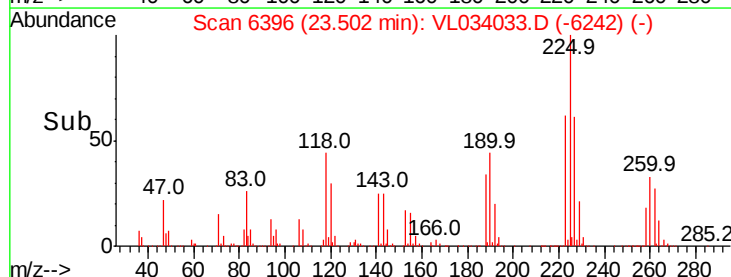
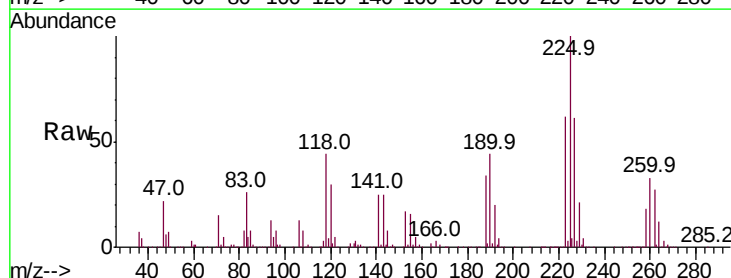
Tgt Ion:225 Resp: 2191641

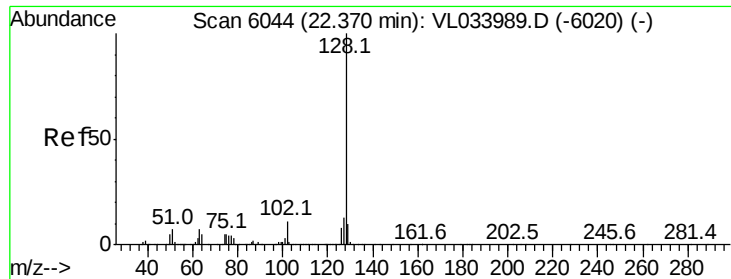
Ion Ratio Lower Upper

225 100

223 62.5 51.5 77.3

227 63.8 52.1 78.1





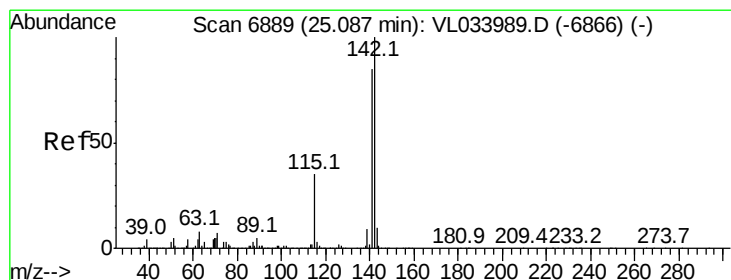
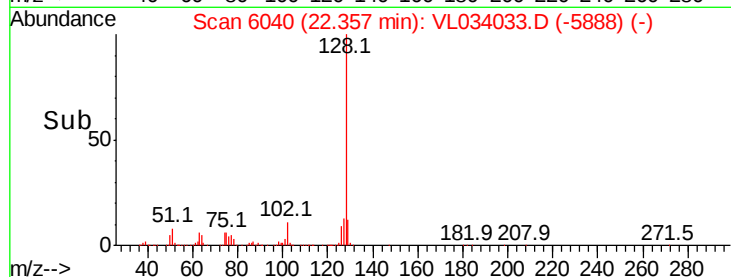
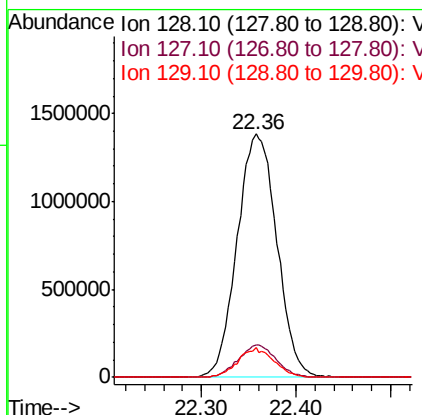
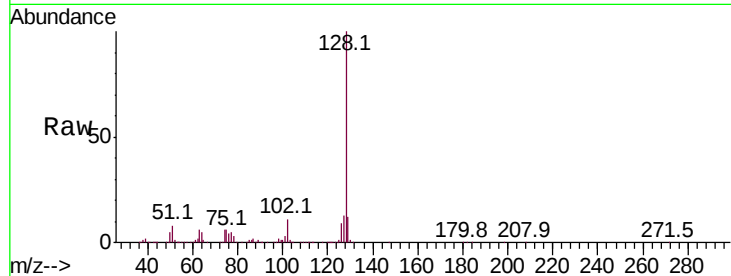
#79
Naphthalene
Concen: 11.713 ppbv
RT: 22.36 min Scan# 6040
Delta R.T. -0.01 min
Lab File: VL034033.D
Acq: 12 Jul 2019 9:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	12.1	8.3	12.5

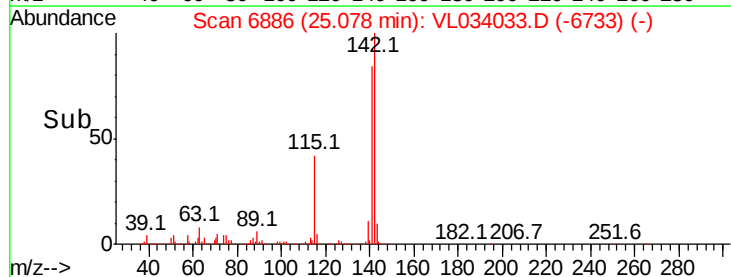
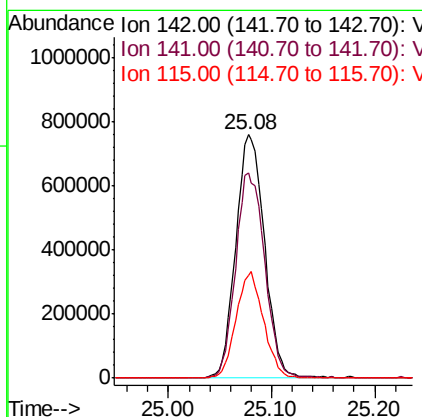
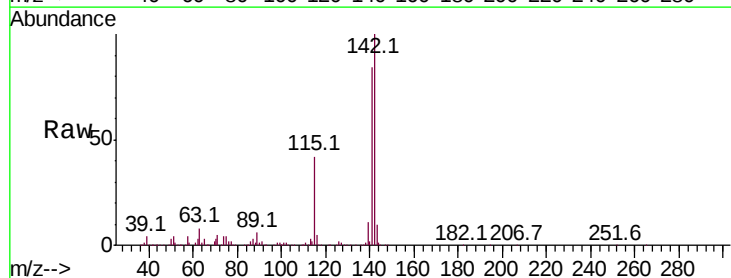
Manual Integrations
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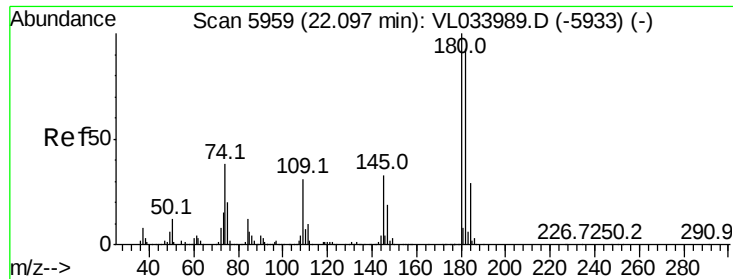
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#80
Naphthalene, 2-methyl-
Concen: 11.816 ppbv
RT: 25.08 min Scan# 6886
Delta R.T. -0.01 min
Lab File: VL034033.D
Acq: 12 Jul 2019 9:30

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.6	68.2	102.2
115	41.8	29.9	44.9





#81
 1,2,4-Trichlorobenzene
 Concen: 10.261 ppbv
 RT: 22.08 min Scan# 5955
 Delta R.T. -0.01 min
 Lab File: VL034033.D
 Acq: 12 Jul 2019 9:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.6	114.8
184	31.7	24.6	36.8

Manual Integrations
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