

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072718\
 Data File : VL032312.D
 Acq On : 27 Jul 2018 2:37
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 11:43:00 AM

Quant Time: Jul 27 05:57:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 2018
 QLast Update : Fri Jul 27 05:29:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.83	49	2115185	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	5211039	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.32	117	5113852	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.66	95	4037882	9.87	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.12	85	169764	0.51	ppbv	94
3) Chlorodifluoromethane	3.06	51	110440	0.47	ppbv	99
4) Chloromethane	3.22	50	62882	0.45	ppbv	99
5) Vinyl Chloride	3.34	62	60510	0.46	ppbv	100
6) Bromomethane	3.57	94	32928	0.46	ppbv	97
7) Chloroethane	3.65	64	20834	0.45	ppbv	99
8) Dichlorotetrafluoroethane	3.27	85	139448	0.48	ppbv	98
9) Propene	3.08	41	42634	0.41	ppbv	97
10) Heptane	8.32	43	136439	0.41	ppbv	93
11) Trichlorofluoromethane	4.06	101	128805	0.46	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.62	101	85211	0.48	ppbv	97
13) Ethanol	3.71	45	17801m	0.60	ppbv	
14) Bromoethene	3.85	108	36576m	0.45	ppbv	
15) Acetone	3.97	43	104971	0.48	ppbv	99
16) 1,3-Butadiene	3.41	39	50186	0.45	ppbv	93
17) tert-Butyl alcohol	4.45	59	32424m	0.46	ppbv	
18) 1,1-Dichloroethene	4.41	96	37599	0.45	ppbv	95
19) Isopropyl Alcohol	4.10	45	68012	0.45	ppbv #	95
20) Methylene Chloride	4.47	84	45888	0.54	ppbv	92
21) Allyl Chloride	4.54	41	62518	0.43	ppbv	95
22) trans-1,2-Dichloroethene	5.03	96	36058	0.42	ppbv	89
23) Vinyl Acetate	5.22	43	173689	0.44	ppbv	98
24) 1,1-Dichloroethane	5.16	63	131974	0.46	ppbv	98
25) Ethyl Acetate	5.85	43	224750	0.47	ppbv	99
26) Hexane	5.85	57	98445	0.45	ppbv	94
27) Carbon Disulfide	4.68	76	82292	0.42	ppbv #	85
28) Methyl tert-Butyl Ether	5.19	73	117629	0.36	ppbv	96
29) Chloroform	5.91	83	154852m	0.48	ppbv	
30) Cyclohexane	7.33	84	76986	0.42	ppbv	88
31) cis-1,2-Dichloroethene	5.71	61	82181m	0.39	ppbv	
32) 1,1,1-Trichloroethane	6.69	97	131253	0.40	ppbv	96
34) 2-Butanone	5.41	43	133946m	0.37	ppbv	
35) Carbon Tetrachloride	7.21	117	128813	0.36	ppbv	92
36) Benzene	7.08	78	180399	0.35	ppbv	95
37) 1,2-Dichloroethane	6.48	62	114508	0.38	ppbv	100
38) Trichloroethene	8.04	130	77884	0.45	ppbv	87
39) 1,2-Dichloropropane	7.81	63	96991	0.46	ppbv	91
40) 1,4-Dioxane	8.08	88	31580m	0.51	ppbv	
41) Tetrahydrofuran	6.24	42	68025	0.33	ppbv	97
42) Bromodichloromethane	7.99	83	174227	0.44	ppbv	94
43) Methyl Methacrylate	8.22	69	75584m	0.36	ppbv	

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 QLast Update : Fri Jul 27 05:29:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.07	57	396227	0.43	ppbv	95
45) t-1,3-Dichloropropene	9.49	75	80911	0.32	ppbv	93
46) cis-1,3-Dichloropropene	8.92	75	106892	0.34	ppbv #	87
47) 1,1,2-Trichloroethane	9.69	97	97583m	0.44	ppbv	
48) Dibromochloromethane	10.54	129	131425m	0.40	ppbv	
49) Bromoform	13.29	173	104381	0.37	ppbv	97
50) 4-Methyl-2-Pentanone	8.97	43	221681	0.37	ppbv	95
51) 2-Hexanone	10.38	43	150511m	0.32	ppbv	
52) Tetrachloroethene	11.45	164	65189	0.37	ppbv	92
53) Toluene	10.03	91	197163	0.32	ppbv	99
54) 1,2-Dibromoethane	10.84	107	128922	0.39	ppbv	87
56) 1,1,1,2-Tetrachloroethane	12.36	131	109668m	0.48	ppbv	
57) Chlorobenzene	12.39	112	213493	0.51	ppbv	94
58) Ethyl Benzene	12.95	91	266769	0.38	ppbv	99
59) m/p-Xylene	13.23	91	496988m	0.81	ppbv	
60) o-Xylene	13.94	91	245587	0.40	ppbv	99
61) Styrene	13.77	104	145732	0.33	ppbv	96
62) Isopropylbenzene	14.91	105	352705	0.41	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.92	83	228984	0.44	ppbv	96
64) n-propylbenzene	15.81	120	90494m	0.41	ppbv	
65) tert-Butylbenzene	17.00	119	298826m	0.41	ppbv	
66) Benzyl Chloride	17.24	91	148850m	0.36	ppbv	
67) sec-Butylbenzene	17.54	105	450502	0.41	ppbv	99
69) p-Isopropyltoluene	17.90	119	325418	0.38	ppbv	96
70) n-Butylbenzene	18.80	91	395875	0.42	ppbv	95
71) 2-Chlorotoluene	15.70	91	268553m	0.39	ppbv	
72) 4-Ethyltoluene	16.08	105	248938	0.36	ppbv #	95
73) 1,3,5-Trimethylbenzene	16.25	105	260615m	0.38	ppbv	
74) 1,2,4-Trimethylbenzene	17.01	105	303347	0.43	ppbv	97
75) 1,3-Dichlorobenzene	17.26	146	192798m	0.48	ppbv	
76) 1,4-Dichlorobenzene	17.39	146	169786	0.43	ppbv	96
77) 1,2-Dichlorobenzene	18.08	146	177561	0.46	ppbv	99
78) Hexachloro-1,3-Butadiene	23.62	225	70876m	0.56	ppbv	
79) Naphthalene	22.52	128	210100m	0.35	ppbv	
80) Naphthalene, 2-methyl-	25.18	142	49194	0.19	ppbv	96
81) 1,2,4-Trichlorobenzene	22.24	180	112691m	0.38	ppbv	

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

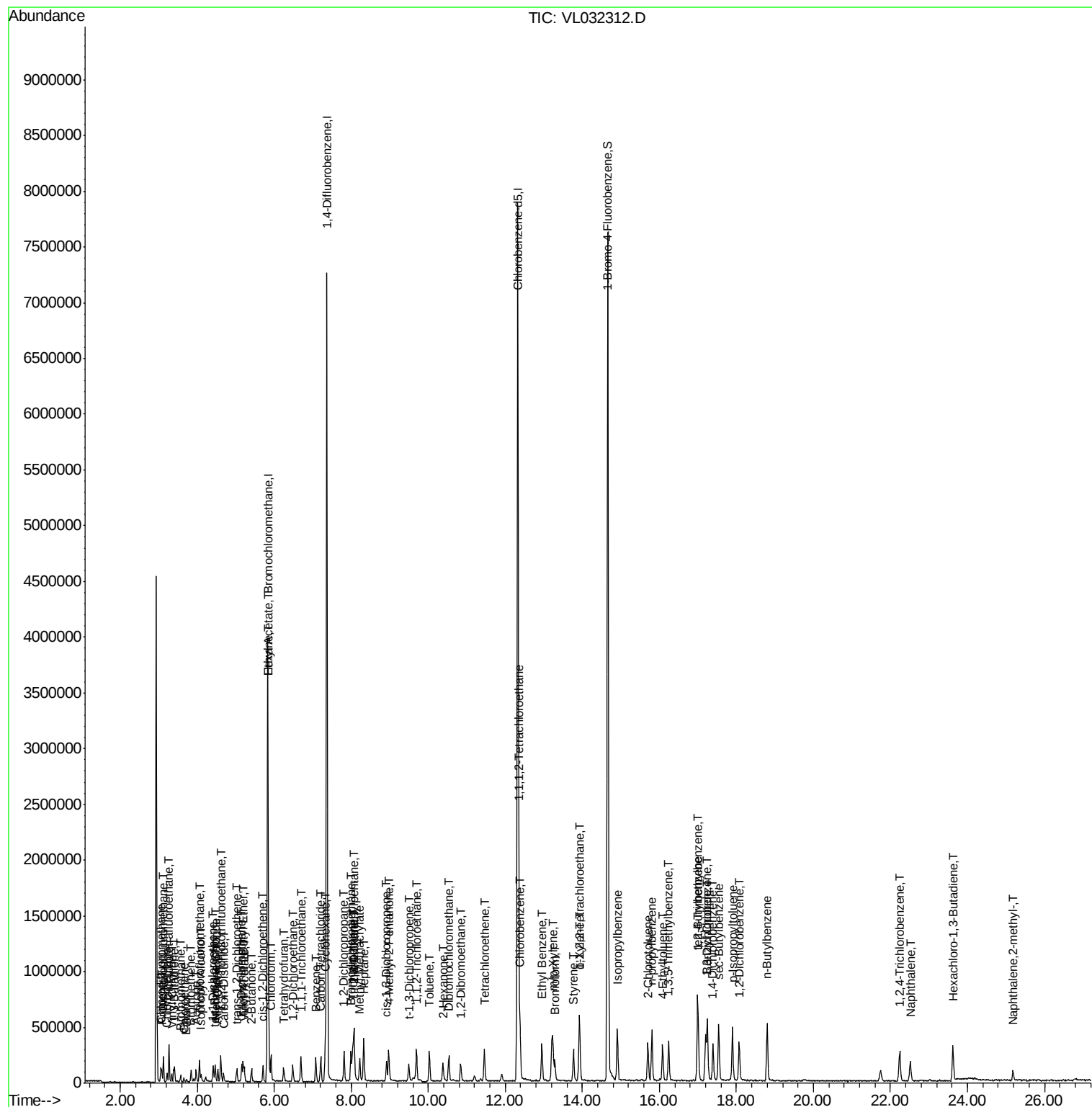
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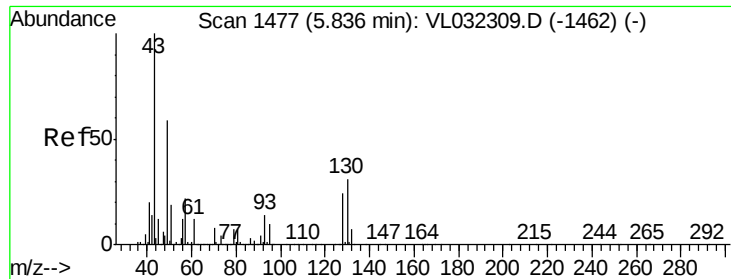
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

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QLast Update : Fri Jul 27 05:29:53 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.83 min Scan# 1475

Delta R.T. -0.01 min

Lab File: VL032312.D

Acq: 27 Jul 2018 2:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 49 Resp: 2115185

Ion Ratio Lower Upper

49 100

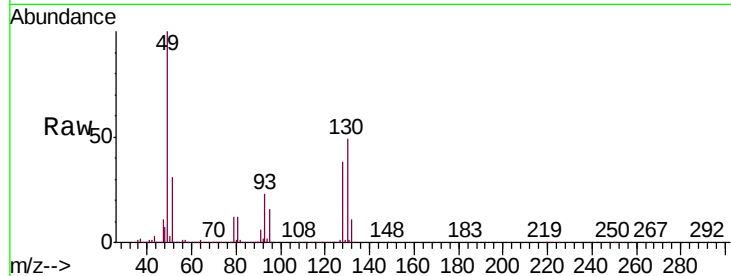
128 40.3 20.2 60.6

130 50.9 25.8 77.3

Manual Integrations
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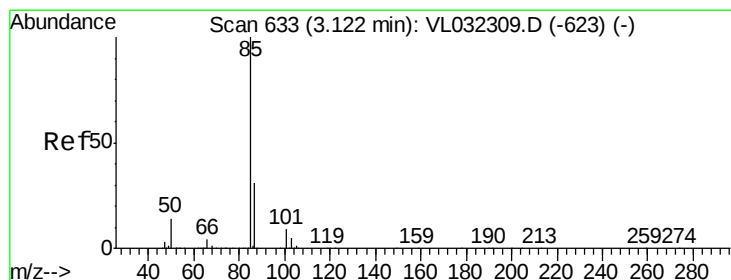
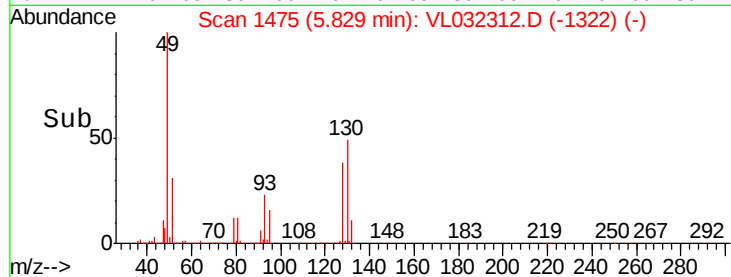
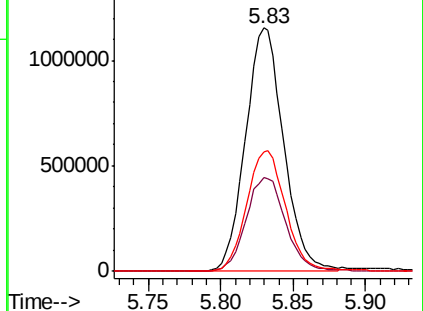
7/30/2018 11:43:00 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.51 ppbv

RT: 3.12 min Scan# 633

Delta R.T. -0.00 min

Lab File: VL032312.D

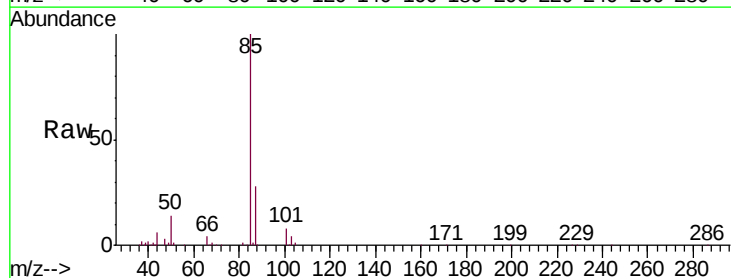
Acq: 27 Jul 2018 2:37

Tgt Ion: 85 Resp: 169764

Ion Ratio Lower Upper

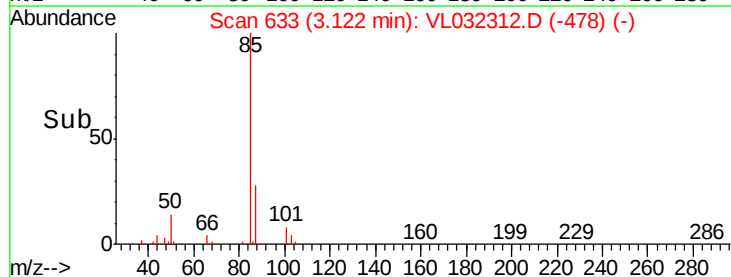
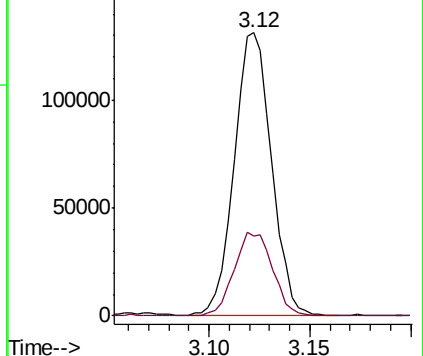
85 100

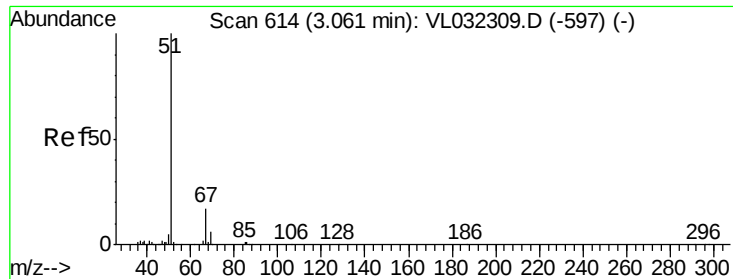
87 28.3 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.47 ppbv

RT: 3.06 min Scan# 614

Delta R.T. -0.00 min

Lab File: VL032312.D

Acq: 27 Jul 2018 2:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 51 Resp: 110440

Ion Ratio Lower Upper

51 100

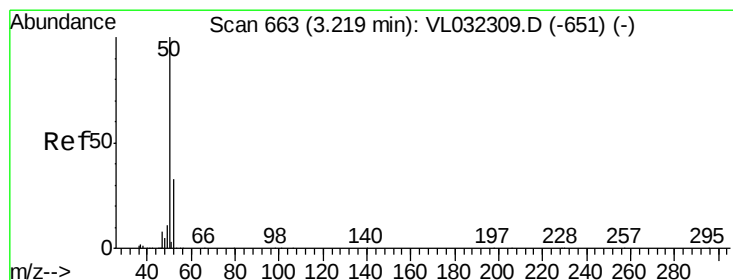
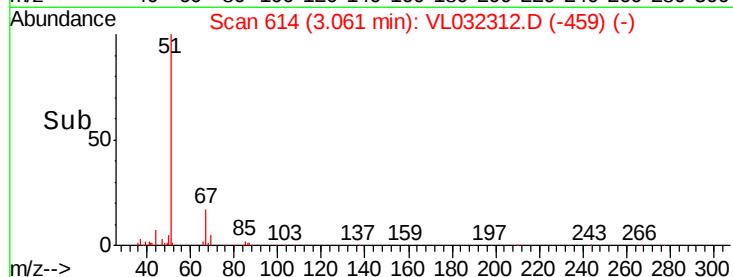
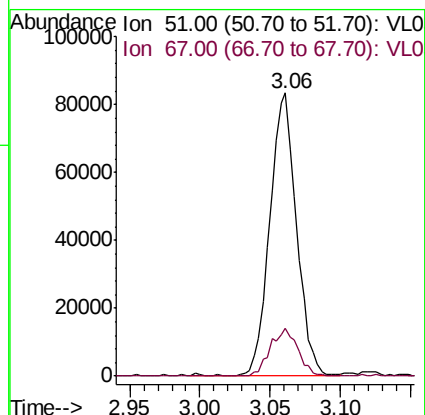
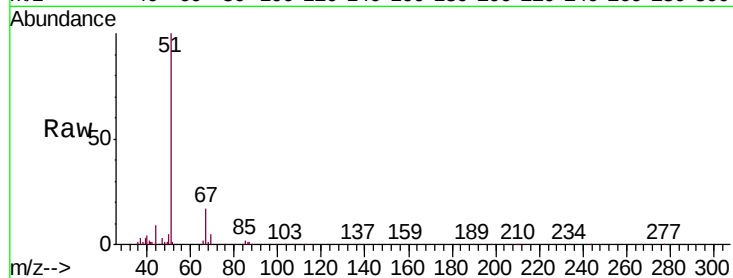
67 17.2 13.5 20.3

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#4

Chloromethane

Concen: 0.45 ppbv

RT: 3.22 min Scan# 663

Delta R.T. -0.00 min

Lab File: VL032312.D

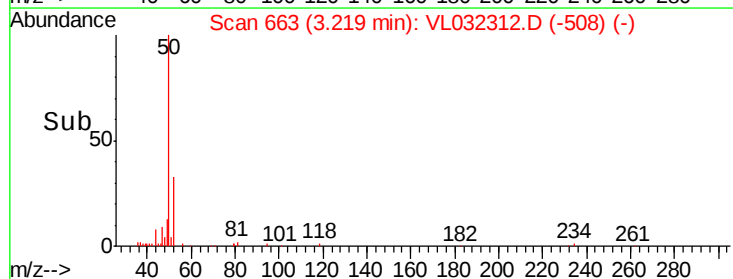
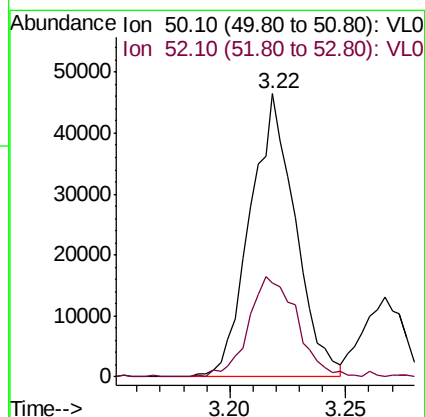
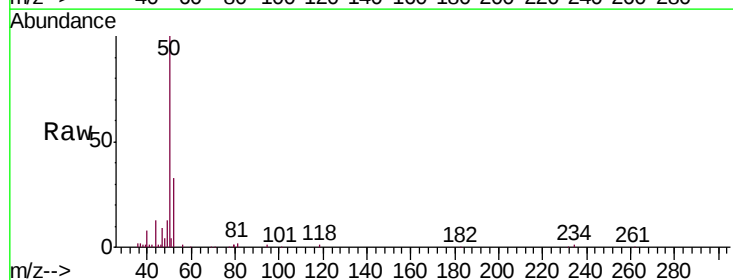
Acq: 27 Jul 2018 2:37

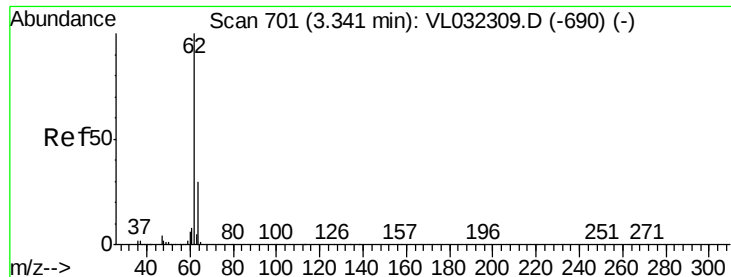
Tgt Ion: 50 Resp: 62882

Ion Ratio Lower Upper

50 100

52 33.2 26.2 39.4





#5

Vinyl Chloride

Concen: 0.46 ppbv

RT: 3.34 min Scan# 700

Delta R.T. -0.00 min

Lab File: VL032312.D

Acq: 27 Jul 2018 2:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 60510

Ion Ratio Lower Upper

62 100

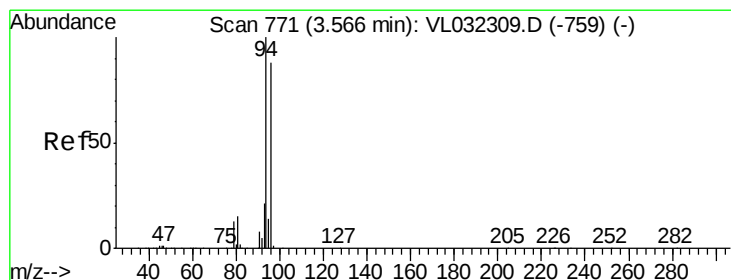
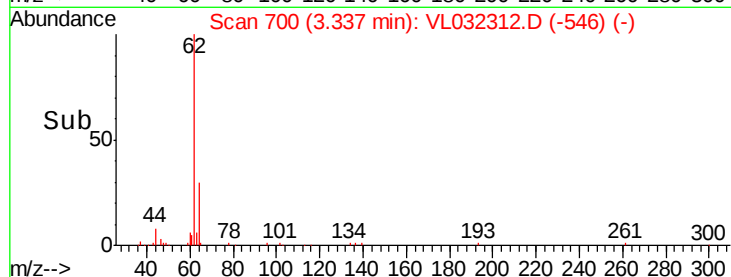
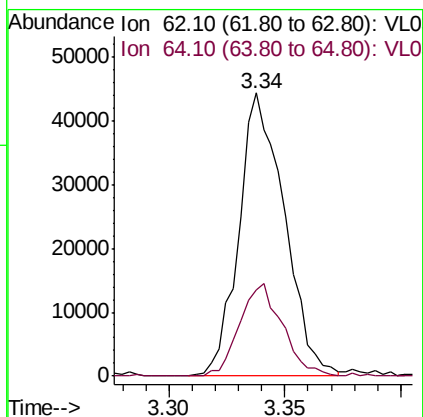
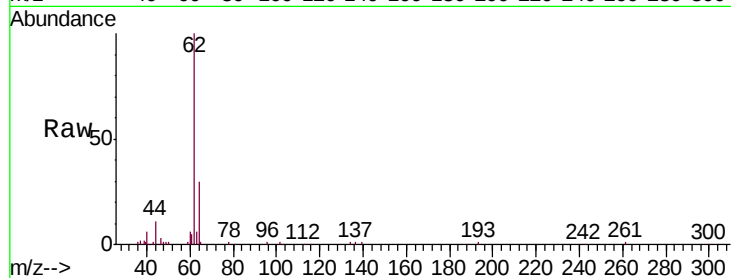
64 30.4 24.1 36.1

Manual Integrations

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#6

Bromomethane

Concen: 0.46 ppbv

RT: 3.57 min Scan# 772

Delta R.T. 0.00 min

Lab File: VL032312.D

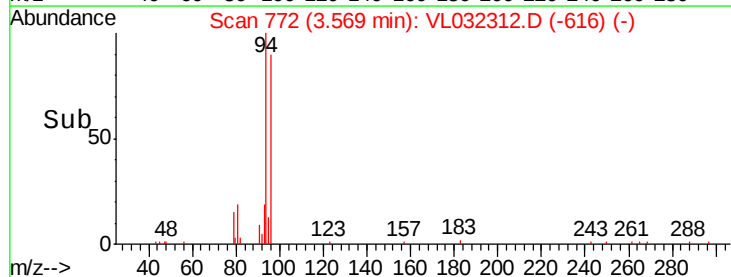
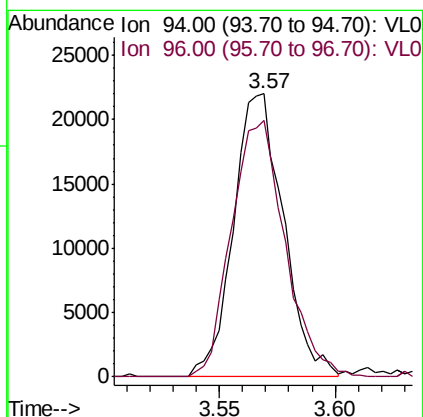
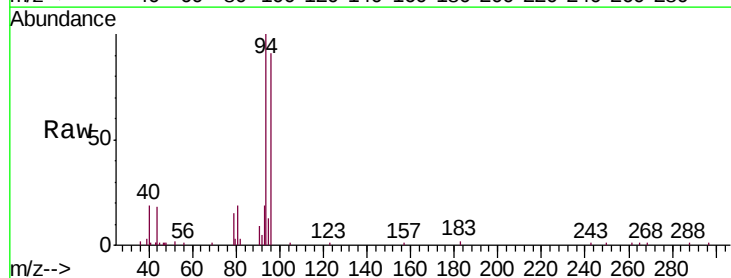
Acq: 27 Jul 2018 2:37

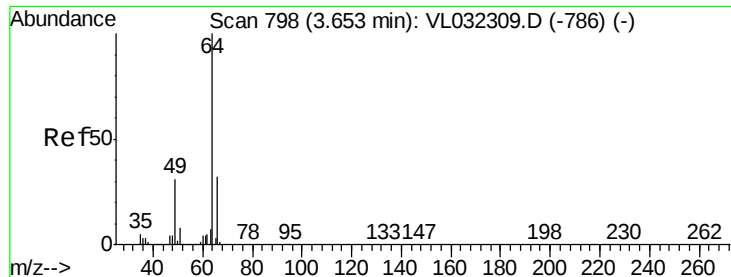
Tgt Ion: 94 Resp: 32928

Ion Ratio Lower Upper

94 100

96 90.6 70.2 105.4





#7

Chloroethane

Concen: 0.45 ppbv

RT: 3.65 min Scan# 798

Delta R.T. -0.00 min

Lab File: VL032312.D

Acq: 27 Jul 2018 2:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 20834

Ion Ratio Lower Upper

64 100

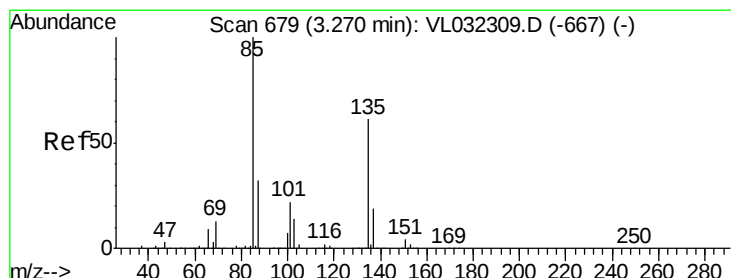
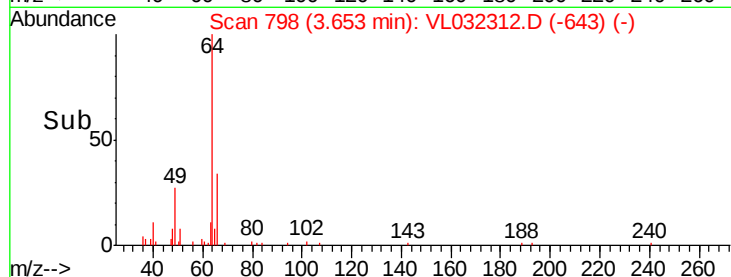
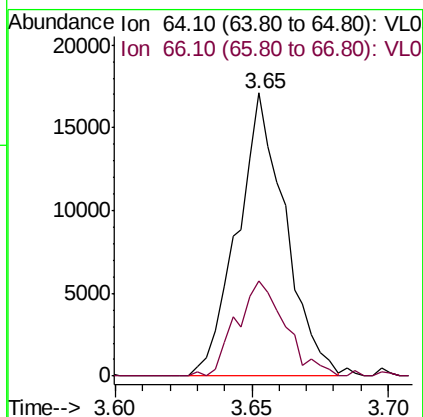
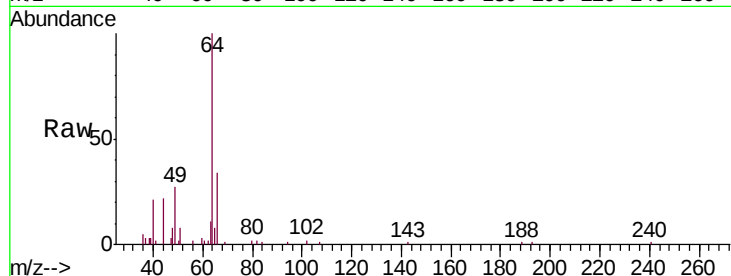
66 31.3 25.7 38.5

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 0.48 ppbv

RT: 3.27 min Scan# 678

Delta R.T. -0.00 min

Lab File: VL032312.D

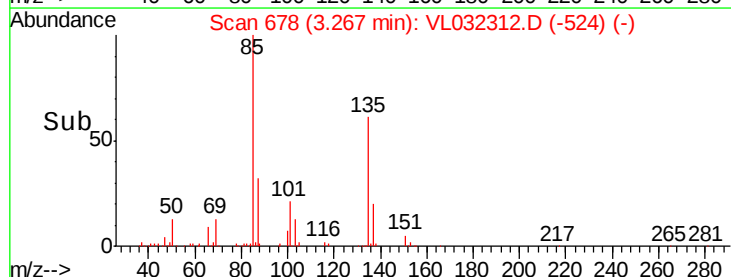
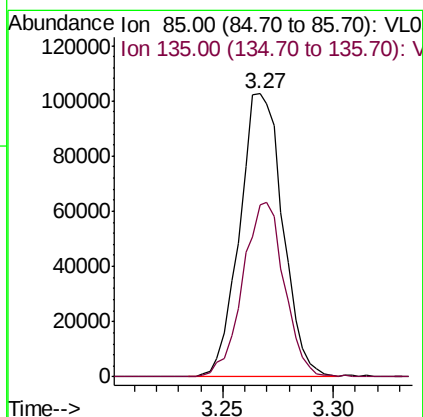
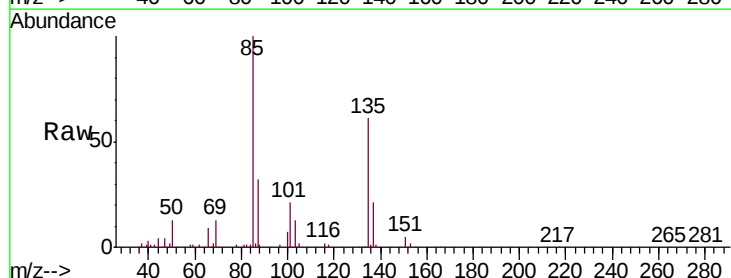
Acq: 27 Jul 2018 2:37

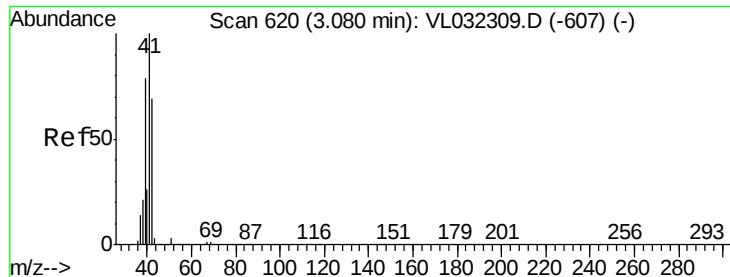
Tgt Ion: 85 Resp: 139448

Ion Ratio Lower Upper

85 100

135 59.3 48.7 73.1





#9

Propene

Concen: 0.41 ppbv

RT: 3.08 min Scan# 621

Delta R.T. 0.00 min

Lab File: VL032312.D

Acq: 27 Jul 2018 2:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 42634

Ion Ratio Lower Upper

41 100

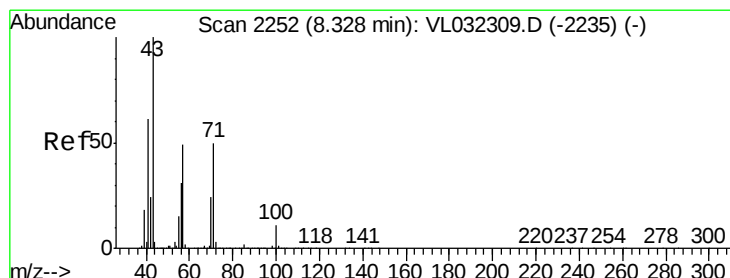
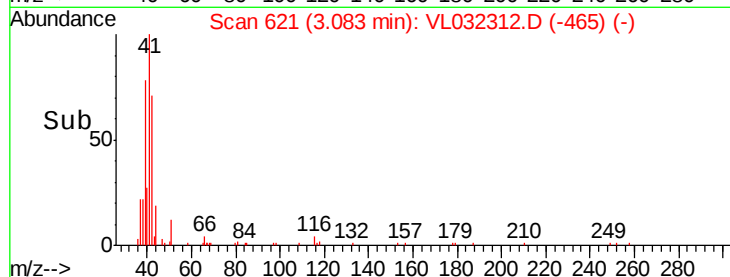
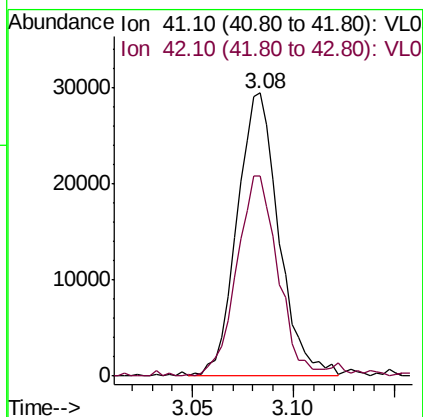
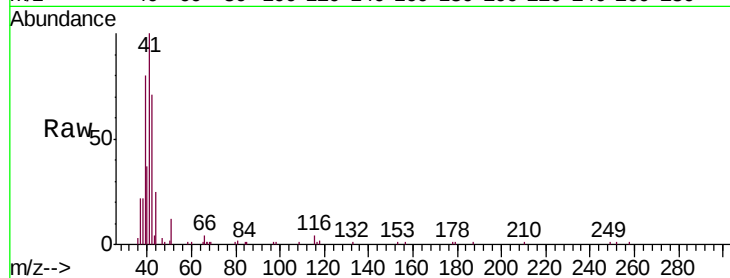
42 73.2 56.8 85.2

Manual Integrations

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#10

Heptane

Concen: 0.41 ppbv

RT: 8.32 min Scan# 2251

Delta R.T. -0.00 min

Lab File: VL032312.D

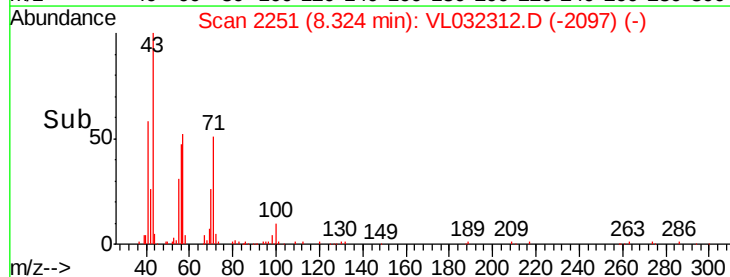
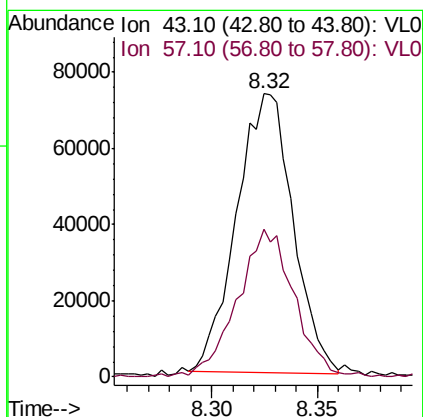
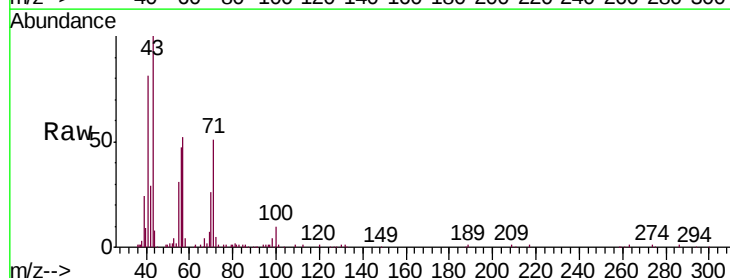
Acq: 27 Jul 2018 2:37

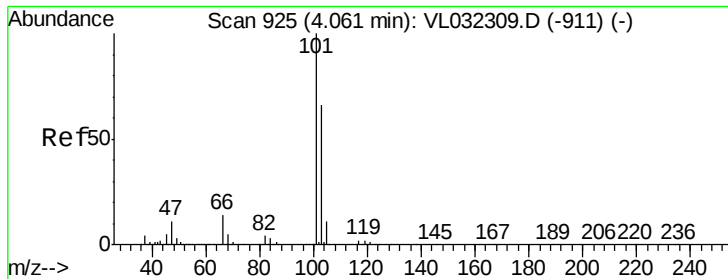
Tgt Ion: 43 Resp: 136439

Ion Ratio Lower Upper

43 100

57 53.7 39.0 58.4





#11

Trichlorofluoromethane

Concen: 0.46 ppbv

RT: 4.06 min Scan# 926

Delta R.T. 0.00 min

Lab File: VL032312.D

Acq: 27 Jul 2018 2:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:101 Resp: 128805

Ion Ratio Lower Upper

101 100

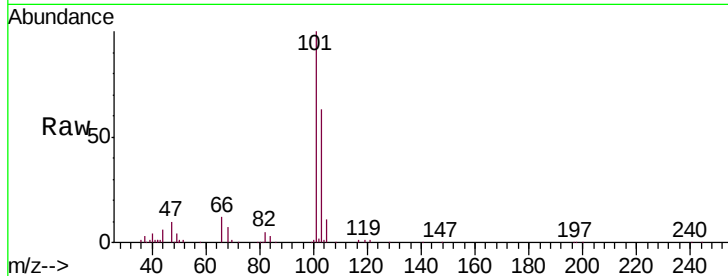
103 62.7 52.6 78.8

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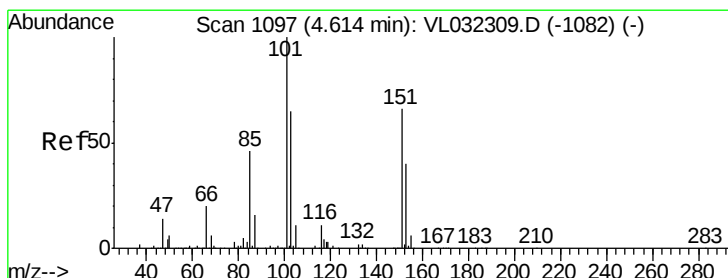
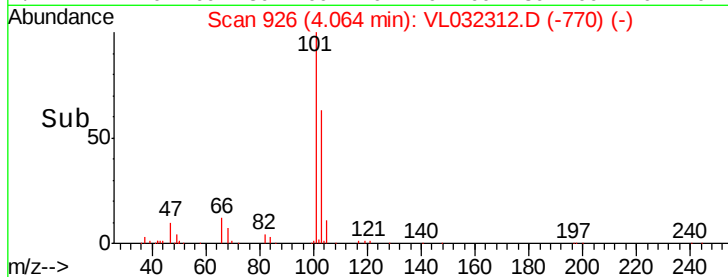
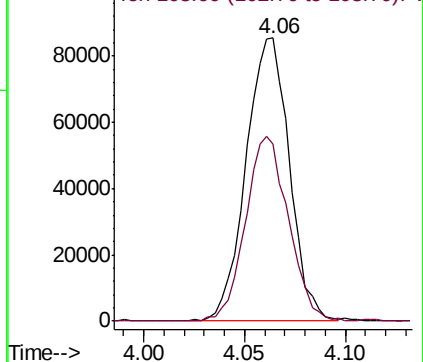
MMDadoda

7/30/2018 11:43:00 AM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.48 ppbv

RT: 4.62 min Scan# 1098

Delta R.T. 0.00 min

Lab File: VL032312.D

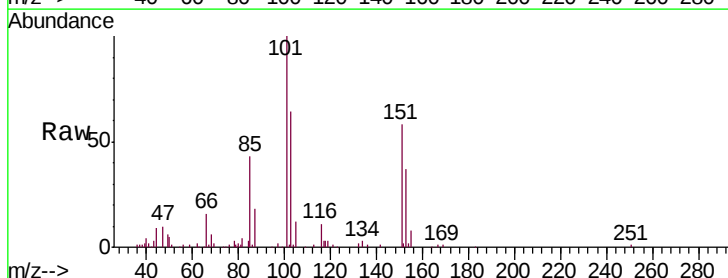
Acq: 27 Jul 2018 2:37

Tgt Ion:101 Resp: 85211

Ion Ratio Lower Upper

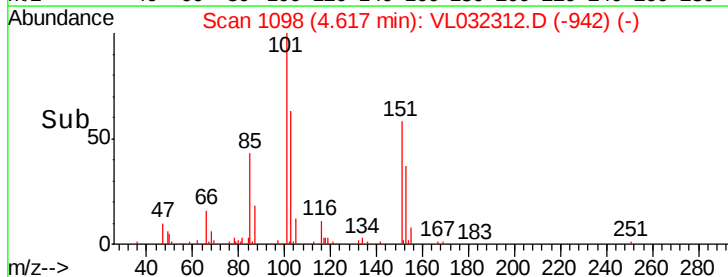
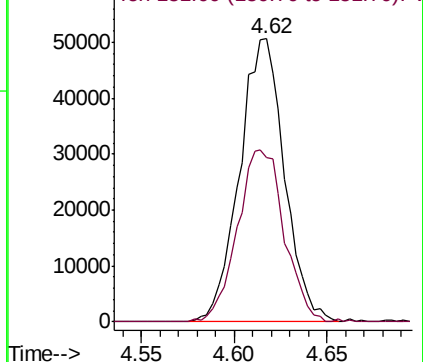
101 100

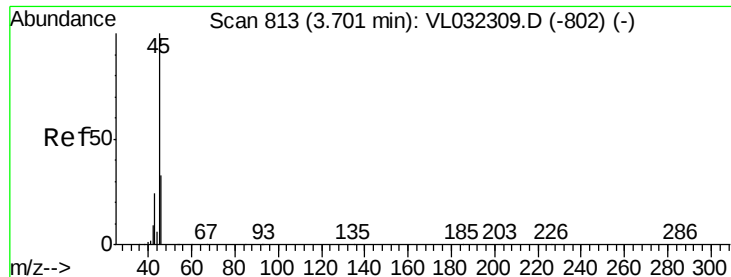
151 63.3 52.4 78.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





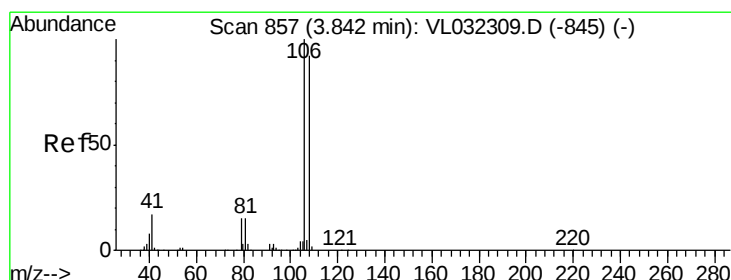
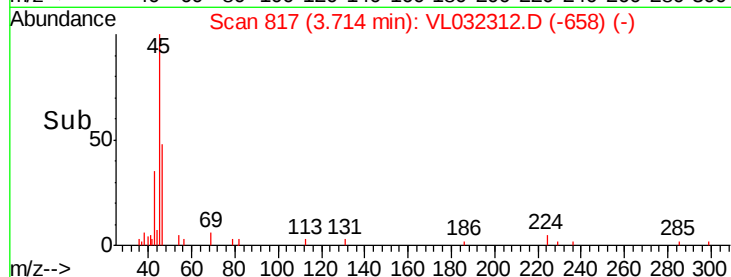
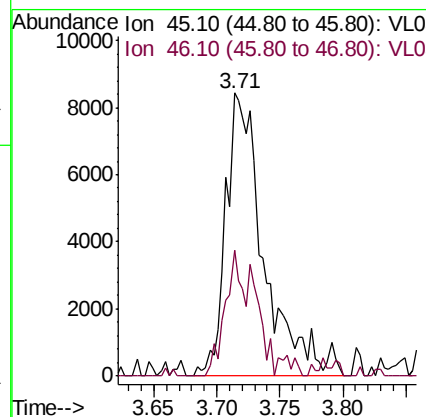
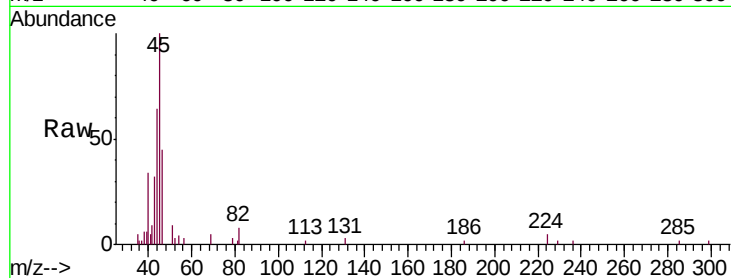
#13
Ethanol
Concen: 0.60 ppbv m
RT: 3.71 min Scan# 817
Delta R.T. 0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	45	46	Ratio	Lower	Upper
17801	100	36.2		15.2	60.6

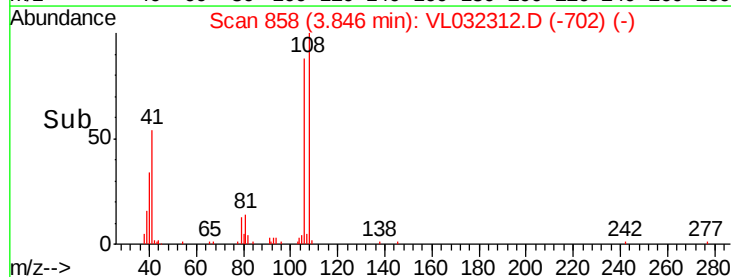
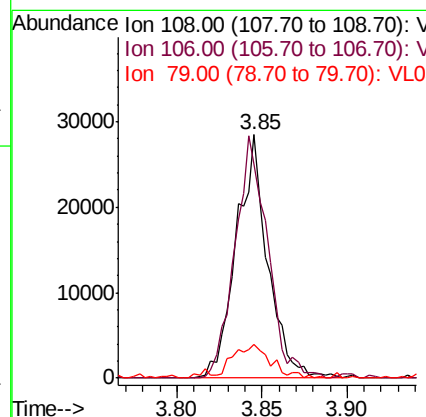
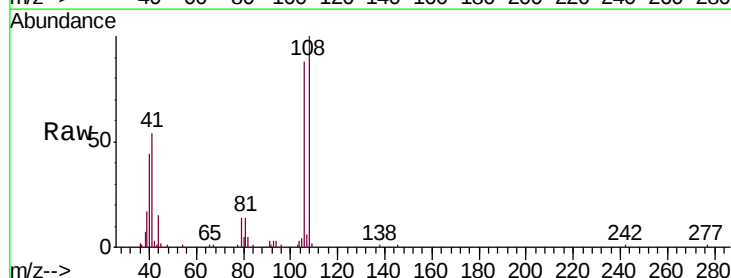
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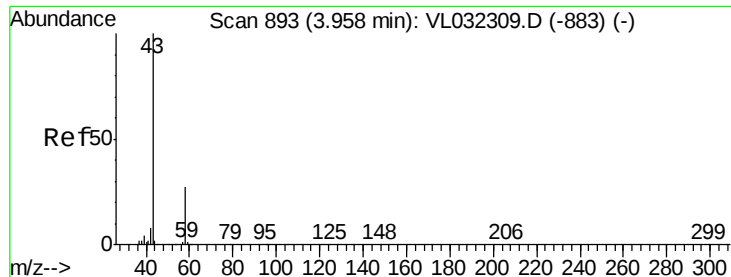
MMDadoda
7/30/2018 11:43:00 AM



#14
Bromoethene
Concen: 0.45 ppbv m
RT: 3.85 min Scan# 858
Delta R.T. 0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion	108	106	79	Ratio	Lower	Upper
36576	100	105.0	18.5		86.0	129.0





#15

Acetone

Concen: 0.48 ppbv

RT: 3.97 min Scan# 898

Delta R.T. 0.02 min

Lab File: VL032312.D

Acq: 27 Jul 2018 2:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 104971

Ion Ratio Lower Upper

43 100

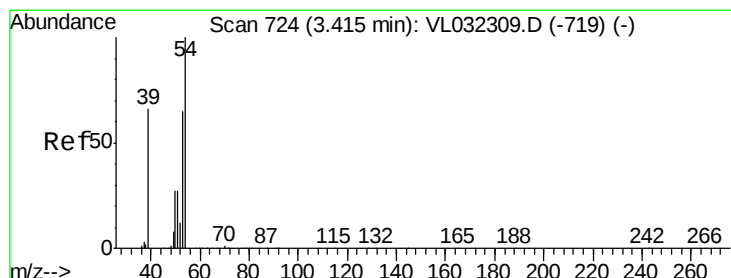
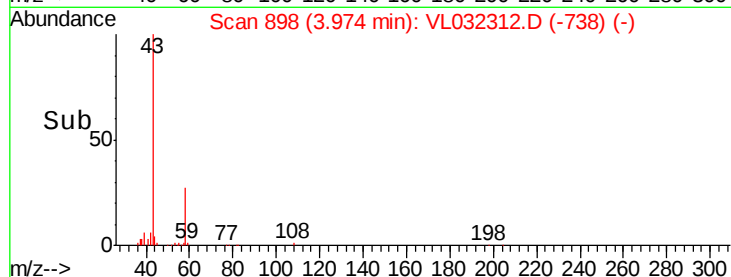
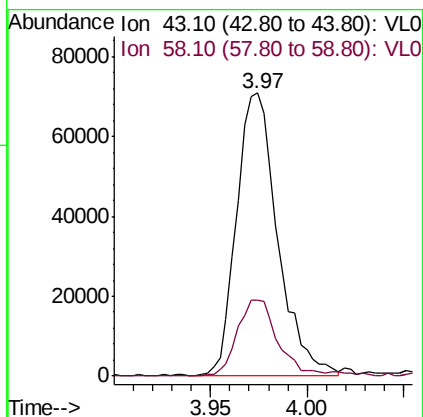
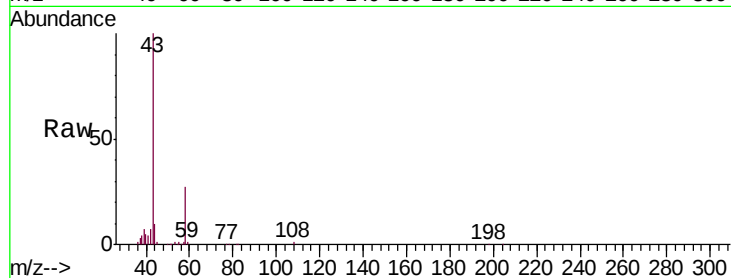
58 27.5 22.5 33.7

Manual Integrations

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#16

1,3-Butadiene

Concen: 0.45 ppbv

RT: 3.41 min Scan# 723

Delta R.T. -0.00 min

Lab File: VL032312.D

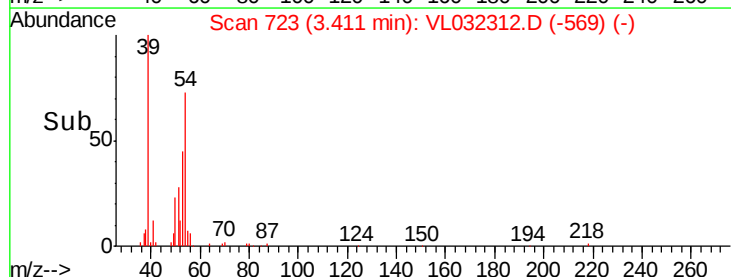
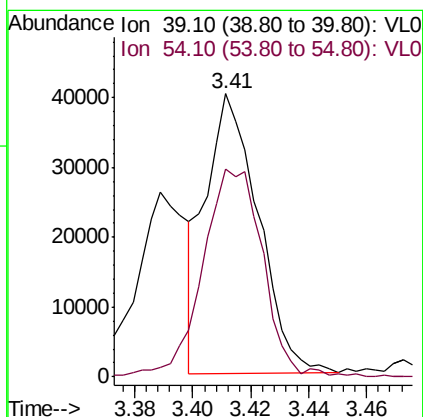
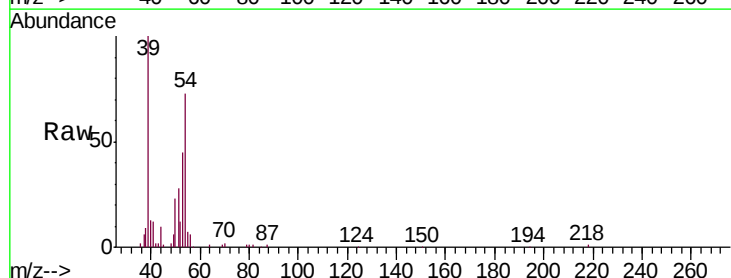
Acq: 27 Jul 2018 2:37

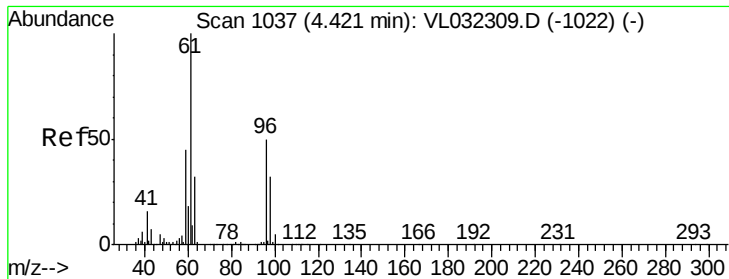
Tgt Ion: 39 Resp: 50186

Ion Ratio Lower Upper

39 100

54 85.9 74.3 111.5





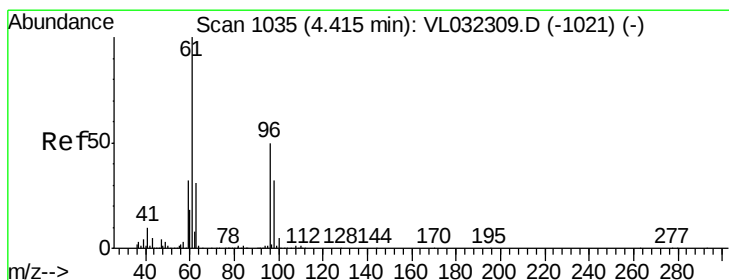
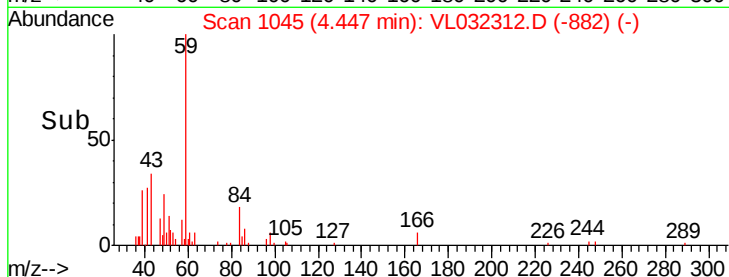
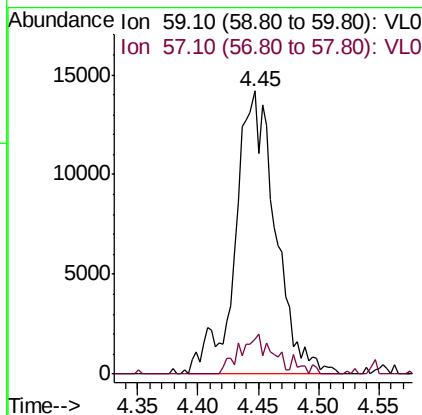
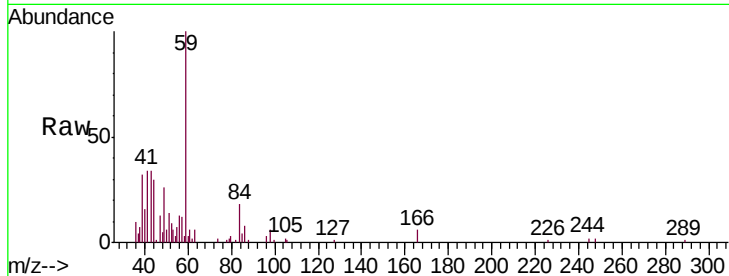
#17
tert-Butyl alcohol
Concen: 0.46 ppbv m
RT: 4.45 min Scan# 1045
Delta R.T. 0.03 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 59 Resp: 32424
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

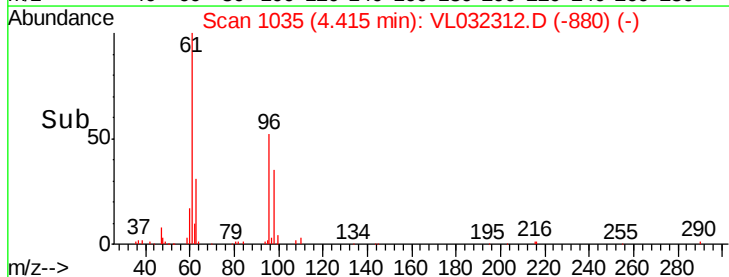
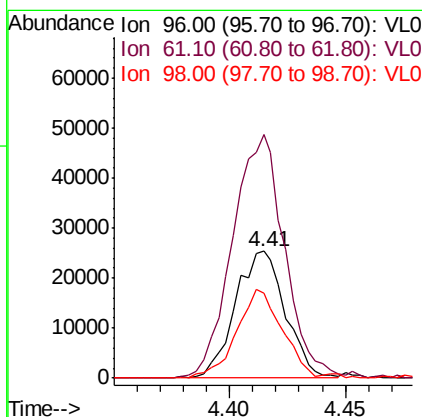
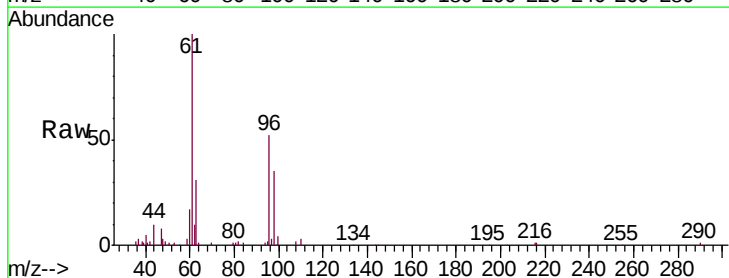
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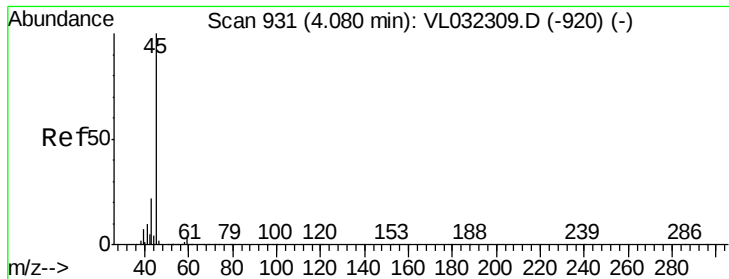
MMDadoda
7/30/2018 11:43:00 AM



#18
1,1-Dichloroethene
Concen: 0.45 ppbv
RT: 4.41 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 96 Resp: 37599
Ion Ratio Lower Upper
96 100
61 190.5 159.0 238.4
98 67.0 51.1 76.7





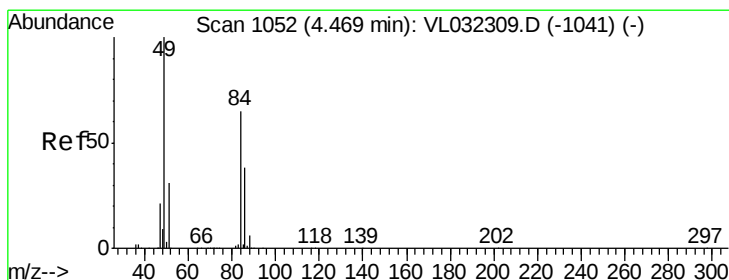
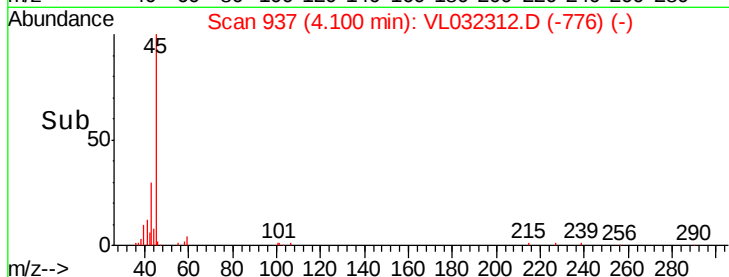
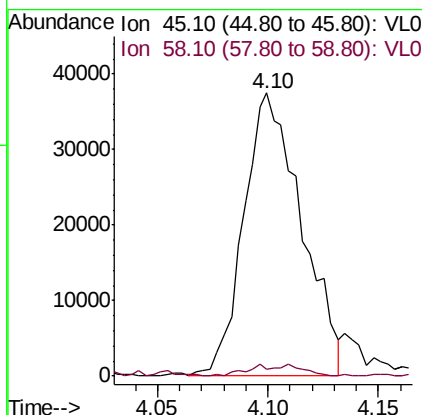
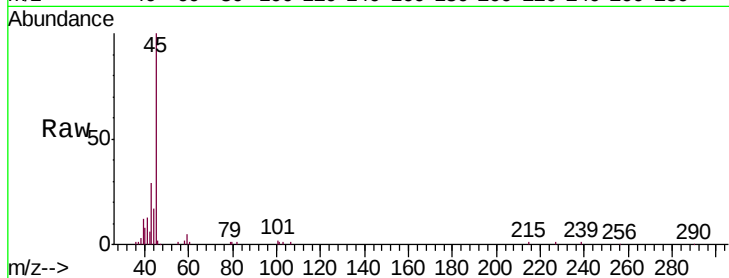
#19
Isopropyl Alcohol
Concen: 0.45 ppbv
RT: 4.10 min Scan# 937
Delta R.T. 0.02 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 45 Resp: 68012
Ion Ratio Lower Upper
45 100
58 3.8 1.5 2.3#

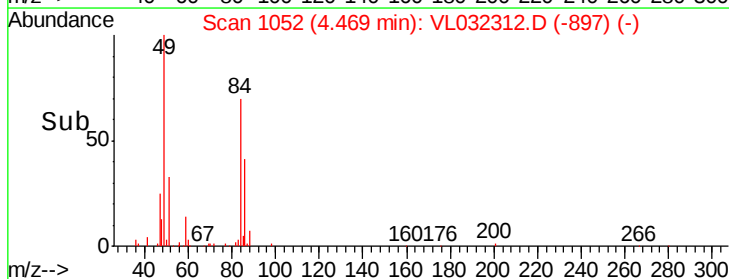
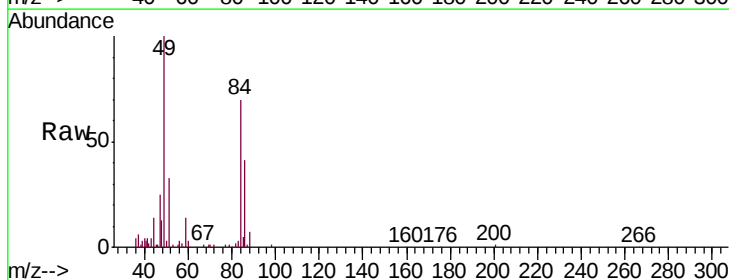
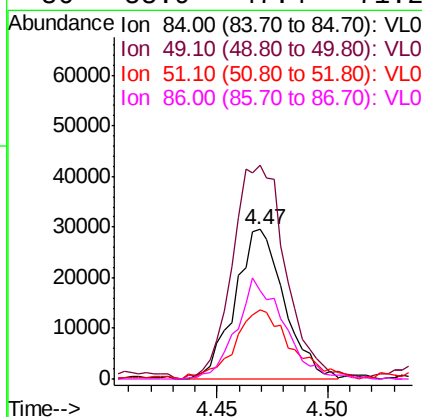
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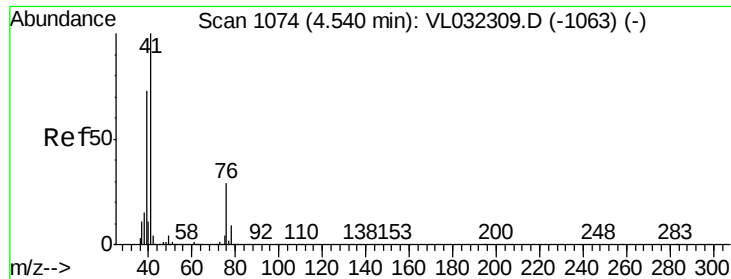
MMDadoda
7/30/2018 11:43:00 AM



#20
Methylene Chloride
Concen: 0.54 ppbv
RT: 4.47 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 84 Resp: 45888
Ion Ratio Lower Upper
84 100
49 140.3 123.4 185.0
51 43.6 38.2 57.2
86 58.9 47.4 71.2





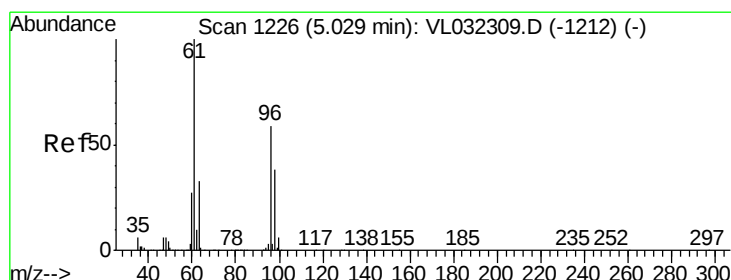
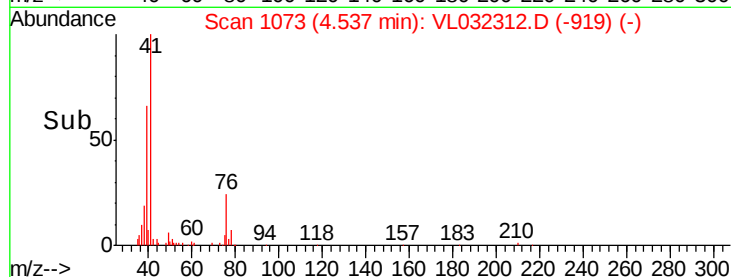
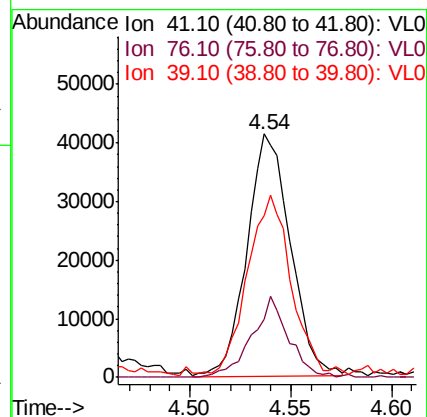
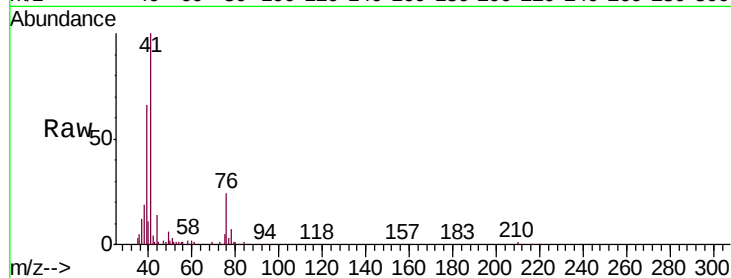
#21
Allvl Chloride
Concen: 0.43 ppbv
RT: 4.54 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.1	23.1	34.7
39	78.5	58.2	87.2

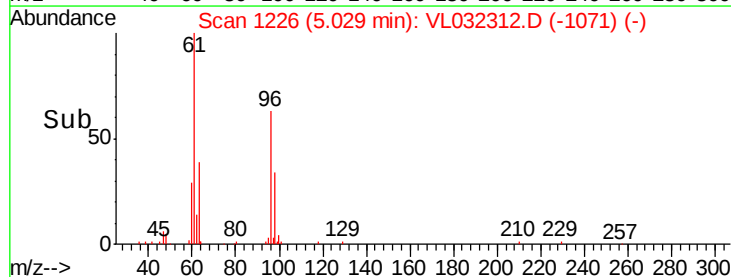
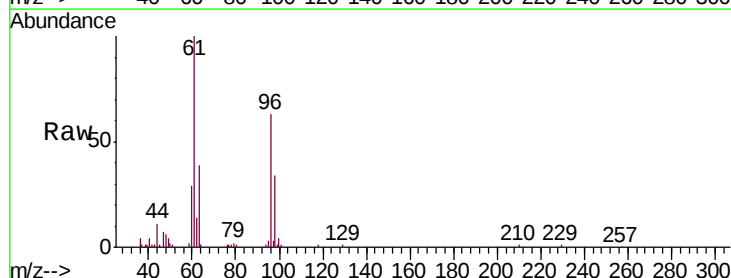
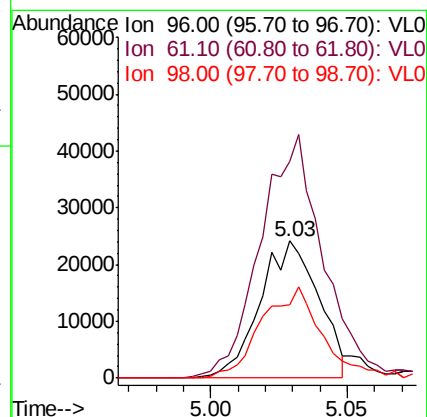
Manual Integrations
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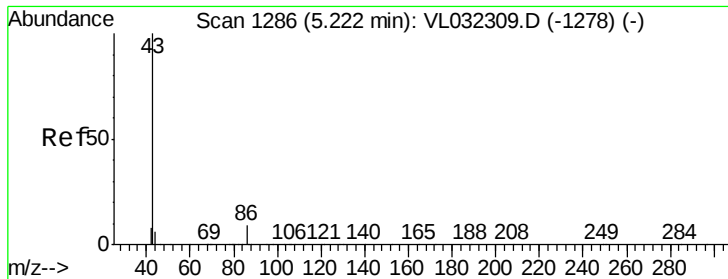
MMDadoda
7/30/2018 11:43:00 AM



#22
trans-1,2-Dichloroethene
Concen: 0.42 ppbv
RT: 5.03 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.0	136.5	204.7
98	53.3	51.3	76.9





#23

Vinyl Acetate

Concen: 0.44 ppbv

RT: 5.22 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VL032312.D

Acq: 27 Jul 2018 2:37

Instrument :

MSVOA_L

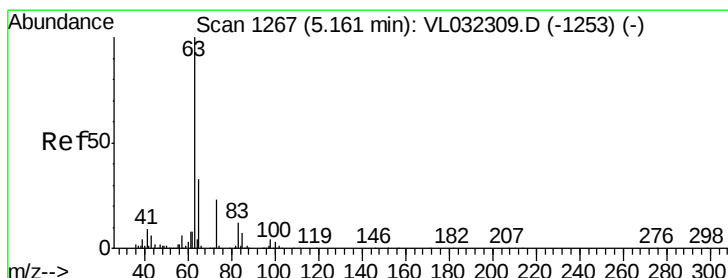
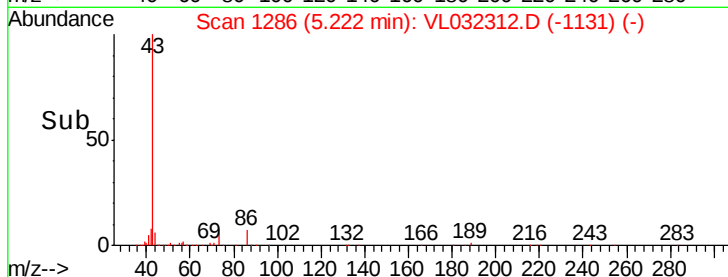
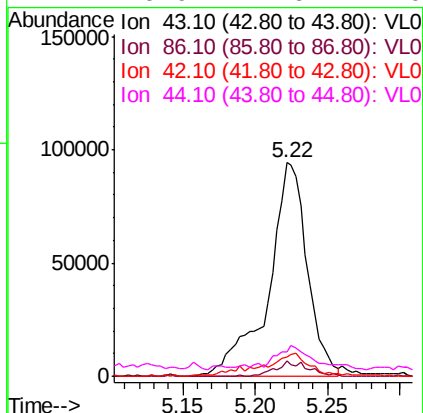
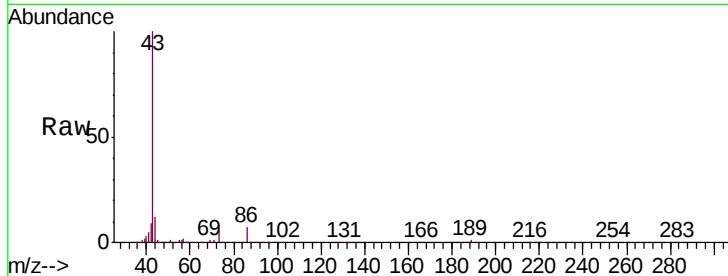
ClientSampleId :

VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
86	7.2	6.3	9.5
42	8.9	7.0	10.4
44	6.9	4.6	7.0

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 0.46 ppbv

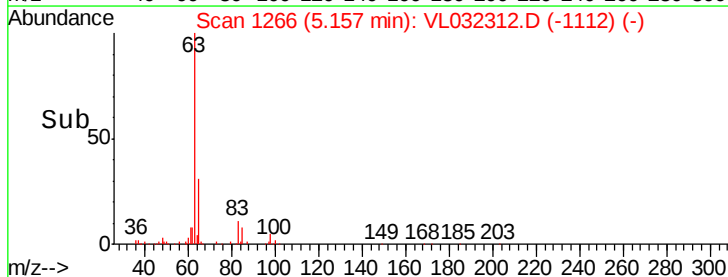
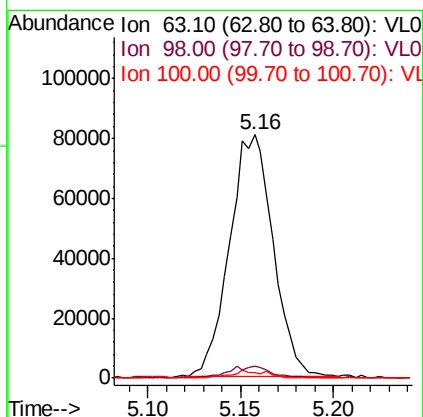
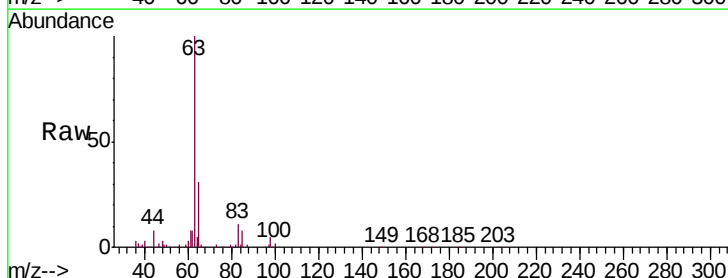
RT: 5.16 min Scan# 1266

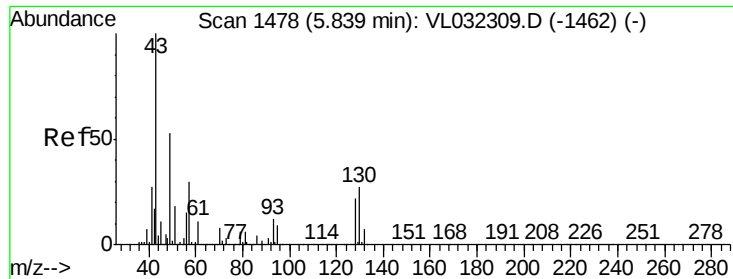
Delta R.T. -0.00 min

Lab File: VL032312.D

Acq: 27 Jul 2018 2:37

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.1	2.1	6.5
100	2.1	1.3	3.8





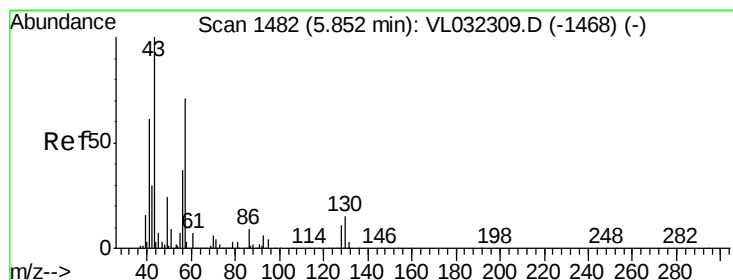
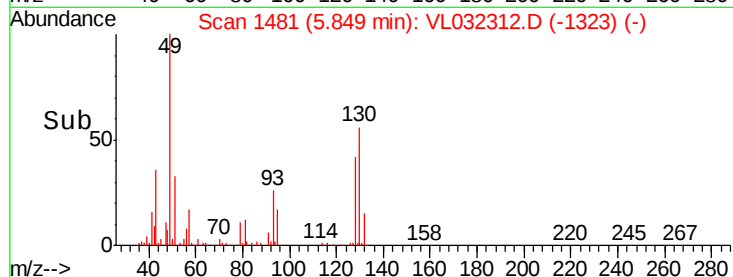
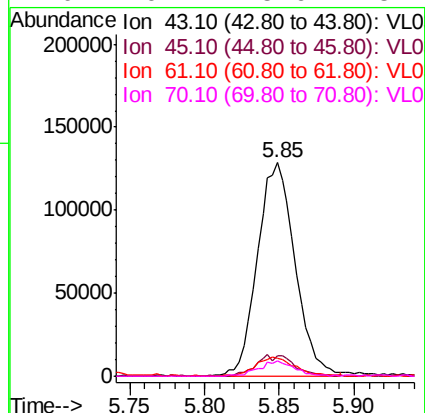
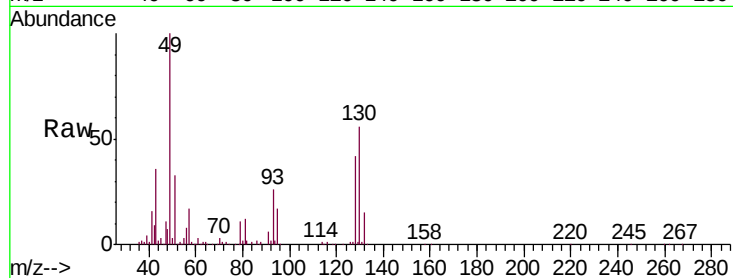
#25
Ethyl Acetate
Concen: 0.47 ppbv
RT: 5.85 min Scan# 1481
Delta R.T. 0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
45	10.4	8.1	12.1	
61	9.5	7.4	11.0	
70	6.7	5.6	8.4	

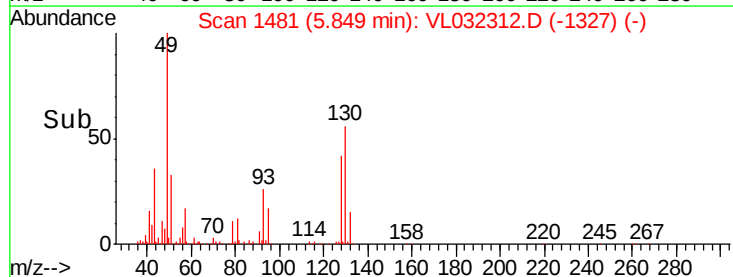
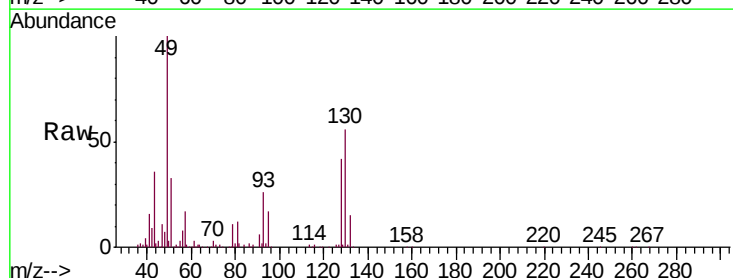
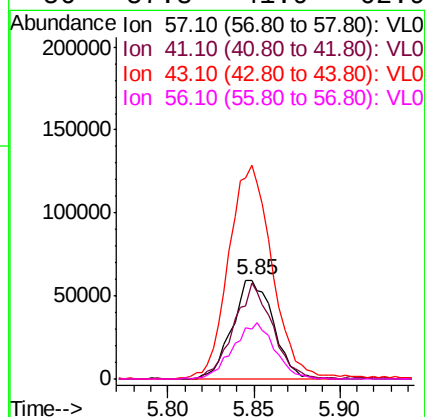
Manual Integrations
APPROVED

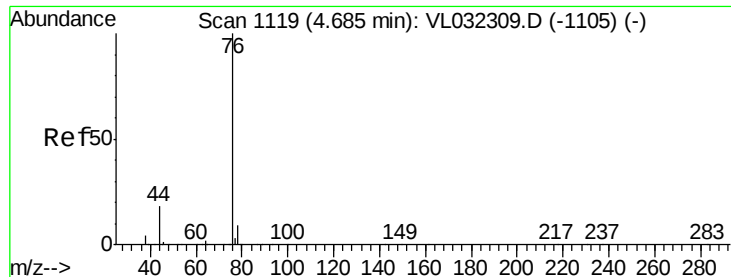
MMDadoda
7/30/2018 11:43:00 AM



#26
Hexane
Concen: 0.45 ppbv
RT: 5.85 min Scan# 1481
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion	Ratio	Resp	Lower	Upper
57	100			
41	92.1	68.1	102.1	
43	231.0	177.4	266.2	
56	57.8	41.9	62.9	





#27

Carbon Disulfide

Concen: 0.42 ppbv

RT: 4.68 min Scan# 1119

Delta R.T. -0.00 min

Lab File: VL032312.D

Acq: 27 Jul 2018 2:37

Instrument :

MSVOA_L

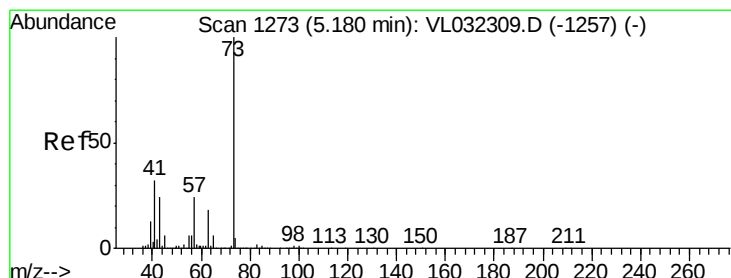
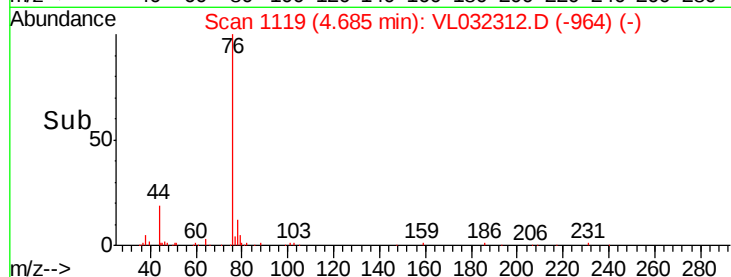
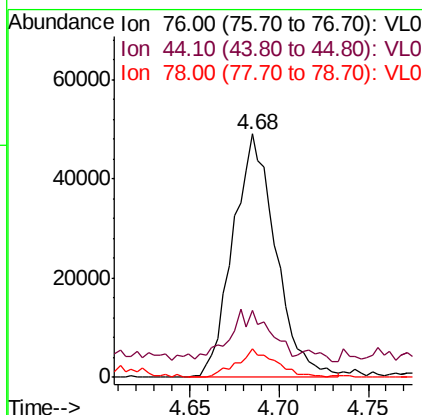
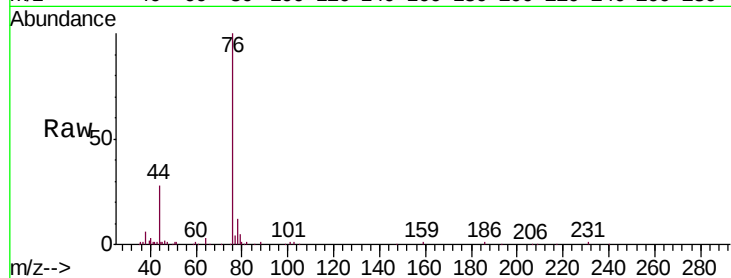
ClientSampleId :

VSTDIC0.5

Tot Ion:	76	Resp:	82292
Ion Ratio	Lower	Upper	
76	100		
44	26.6	14.0	21.0#
78	10.8	7.5	11.3

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#28

Methyl tert-Butyl Ether

Concen: 0.36 ppbv

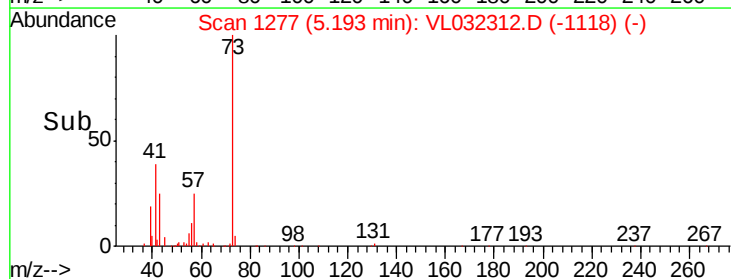
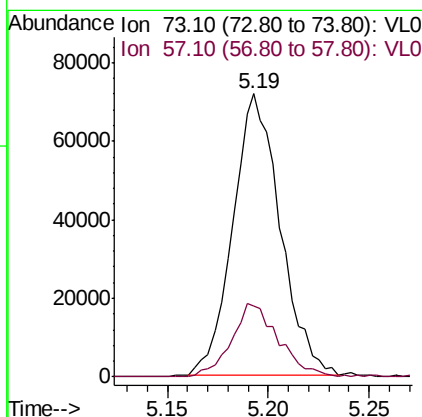
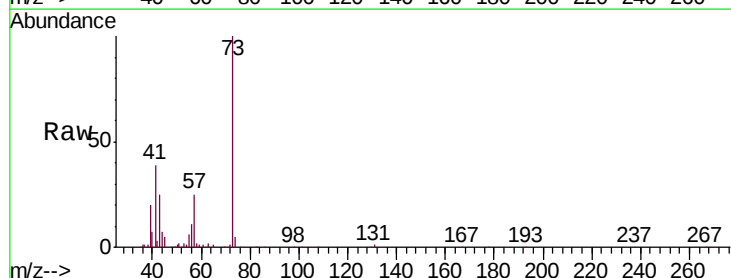
RT: 5.19 min Scan# 1277

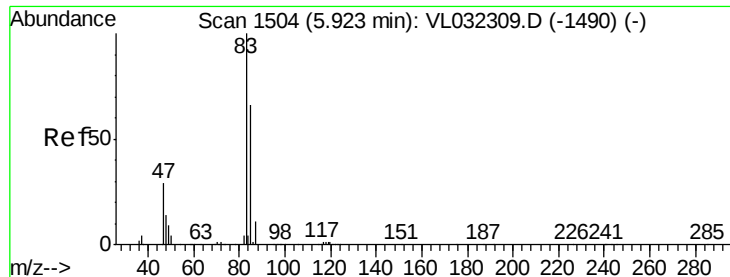
Delta R.T. 0.01 min

Lab File: VL032312.D

Acq: 27 Jul 2018 2:37

Tgt Ion:	73	Resp:	117629
Ion Ratio	Lower	Upper	
73	100		
57	26.3	19.4	29.0





#29

Chloroform

Concen: 0.48 ppbv m

RT: 5.91 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VL032312.D

Acq: 27 Jul 2018 2:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 83 Resp: 154852

Ion Ratio Lower Upper

83 100

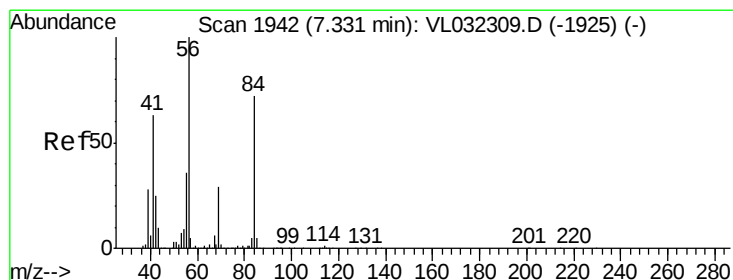
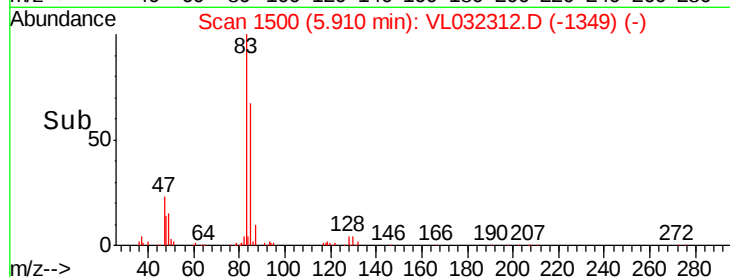
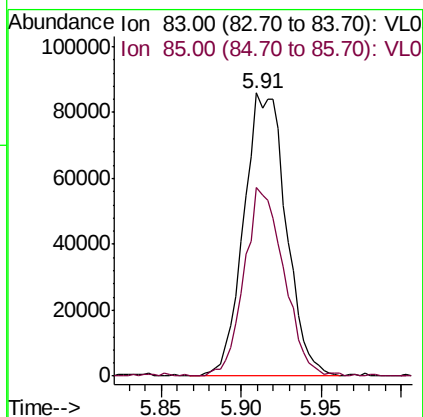
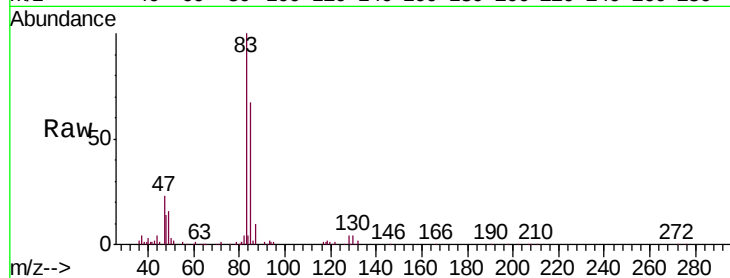
85 66.7 52.9 79.3

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#30

Cyclohexane

Concen: 0.42 ppbv

RT: 7.33 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VL032312.D

Acq: 27 Jul 2018 2:37

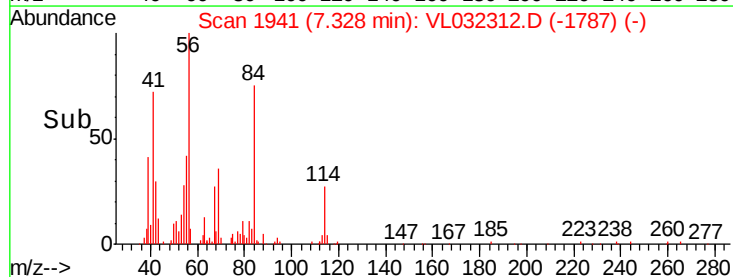
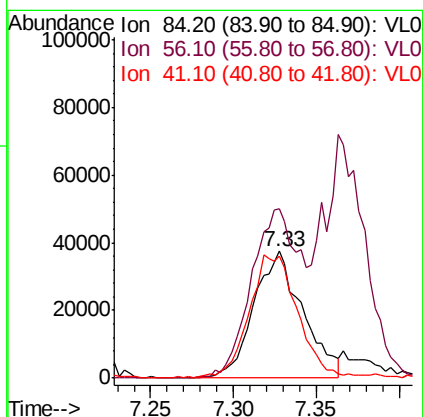
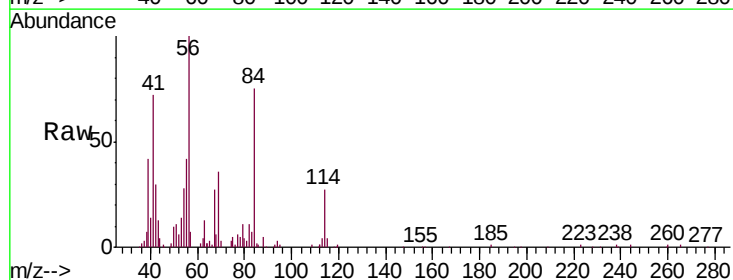
Tgt Ion: 84 Resp: 76986

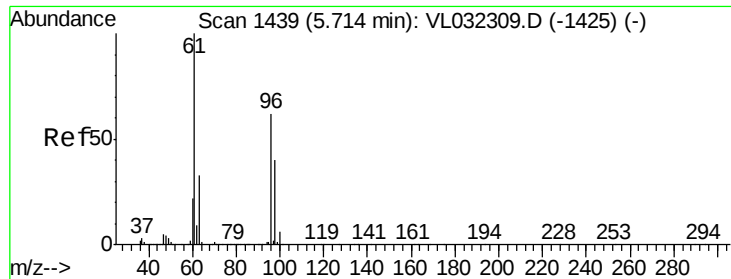
Ion Ratio Lower Upper

84 100

56 129.8 116.8 175.2

41 98.2 70.0 105.0





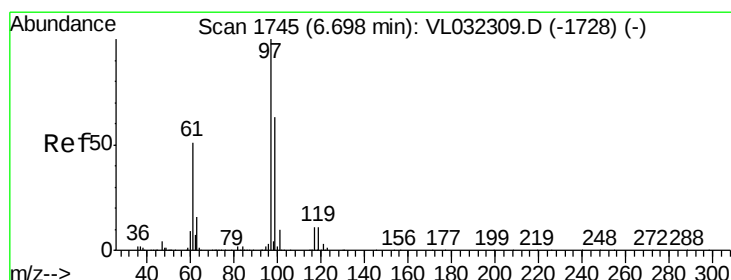
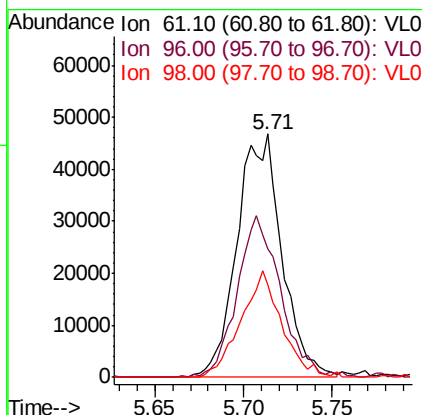
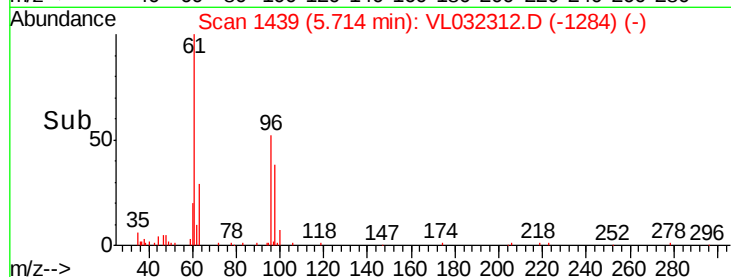
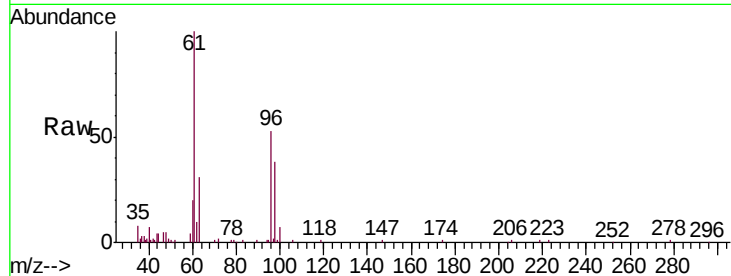
#31
 cis-1,2-Dichloroethene
 Concen: 0.39 ppbv m
 RT: 5.71 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VL032312.D
 Acq: 27 Jul 2018 2:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
61	100		
96	52.6	49.8	74.6
98	38.1	31.8	47.6

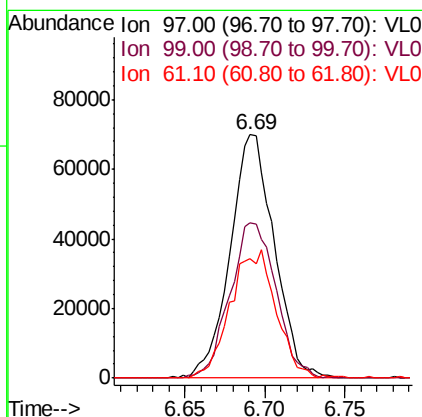
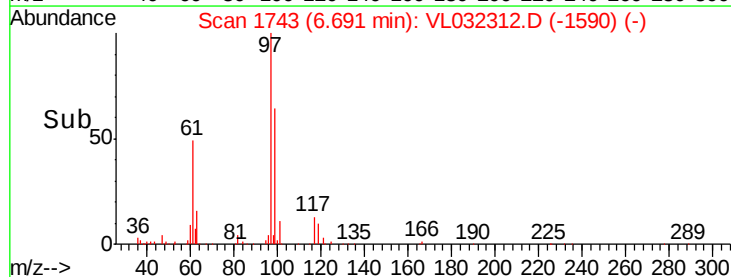
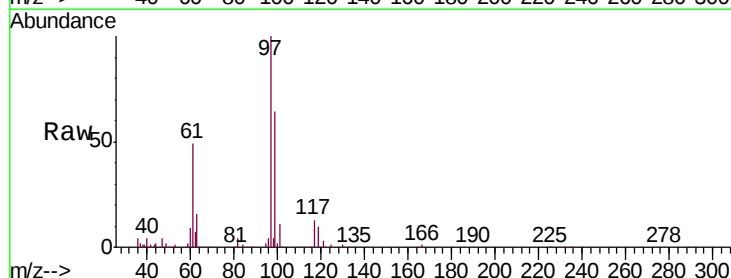
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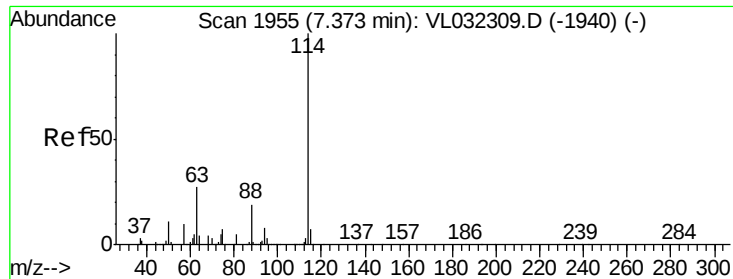
MMDadoda
 7/30/2018 11:43:00 AM



#32
 1,1,1-Trichloroethane
 Concen: 0.40 ppbv
 RT: 6.69 min Scan# 1743
 Delta R.T. -0.01 min
 Lab File: VL032312.D
 Acq: 27 Jul 2018 2:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.9	50.9	76.3
61	55.1	41.8	62.6





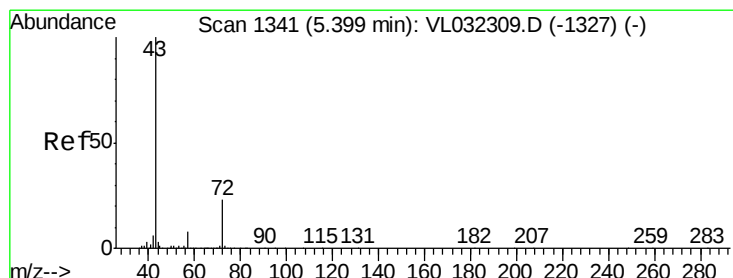
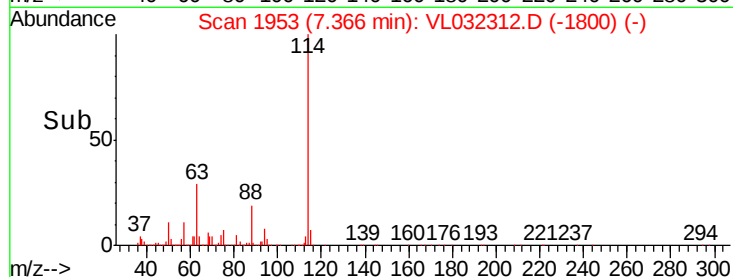
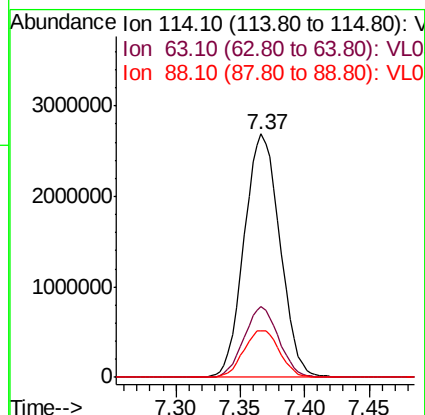
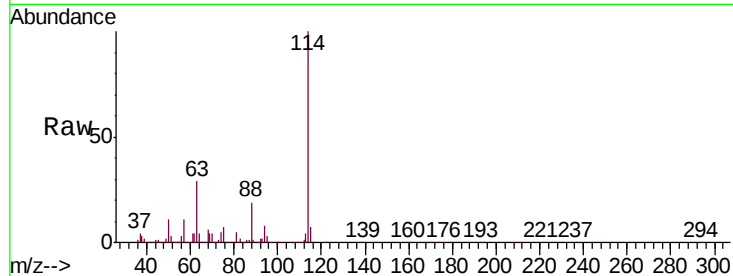
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.37 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: VL032312.D
 Acq: 27 Jul 2018 2:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.4	33.6
88	19.4	15.3	22.9

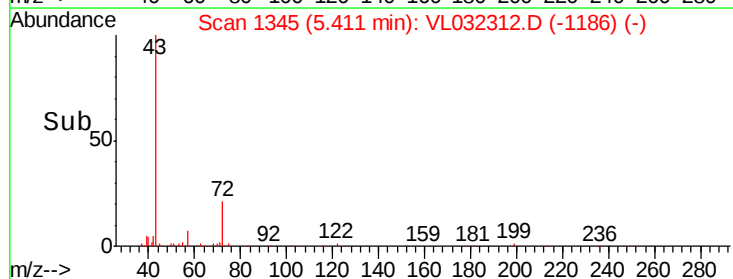
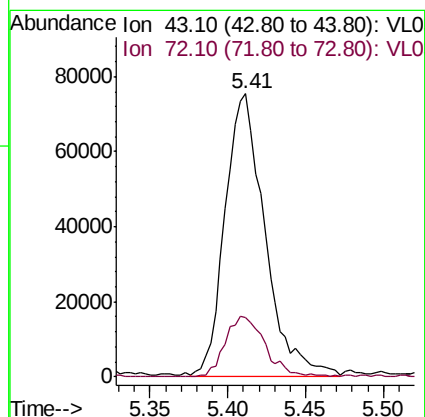
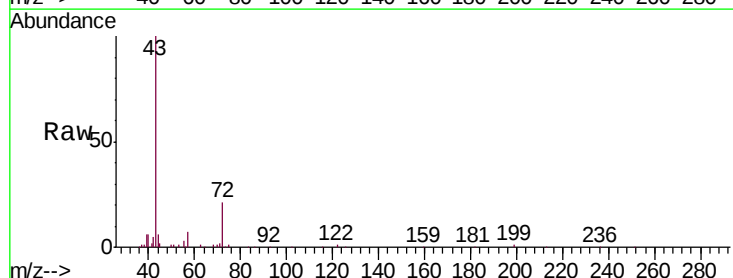
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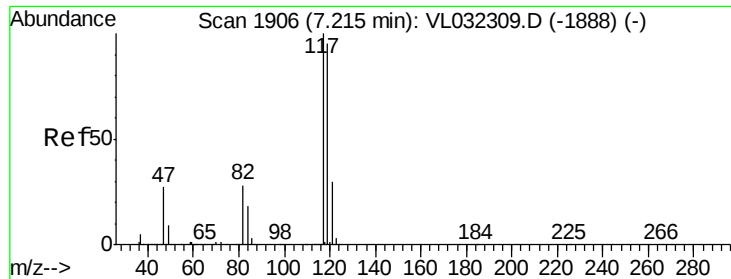
MMDadoda
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#34
 2-Butanone
 Concen: 0.37 ppbv m
 RT: 5.41 min Scan# 1345
 Delta R.T. 0.01 min
 Lab File: VL032312.D
 Acq: 27 Jul 2018 2:37

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.4	26.2





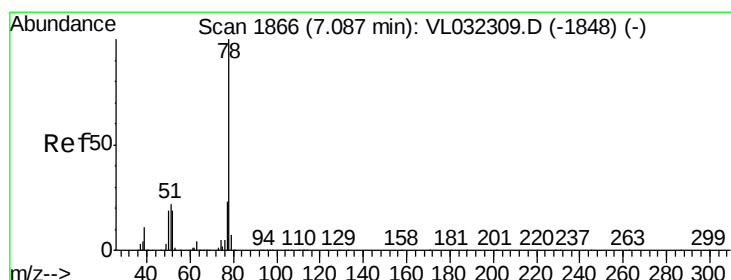
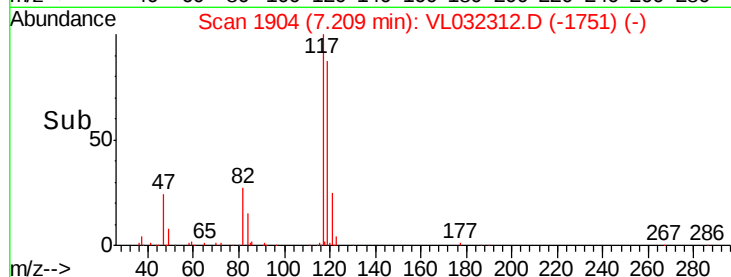
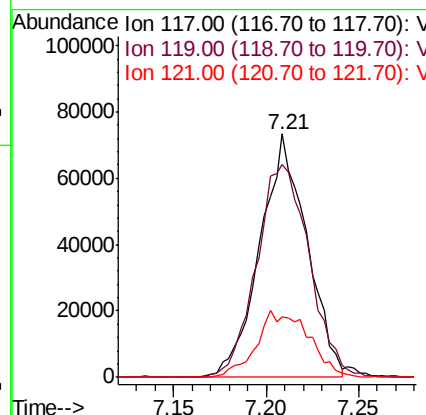
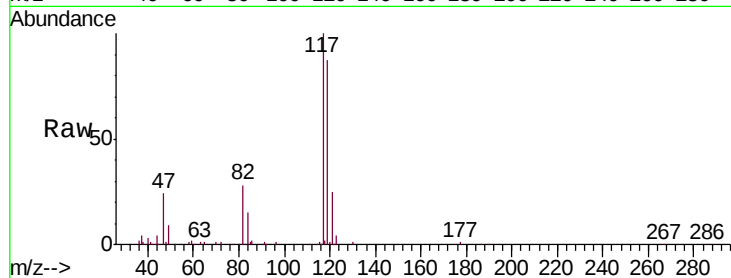
#35
Carbon Tetrachloride
Concen: 0.36 ppbv
RT: 7.21 min Scan# 1904
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
119	87.4	76.1	114.1
121	25.3	24.4	36.6

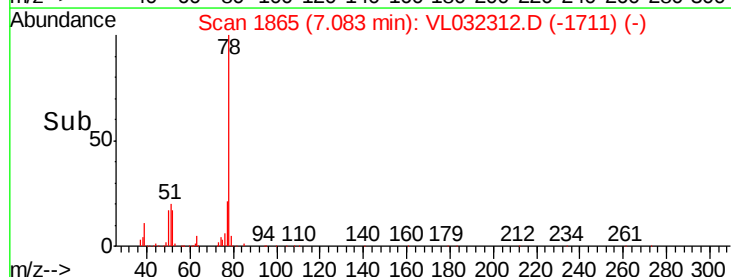
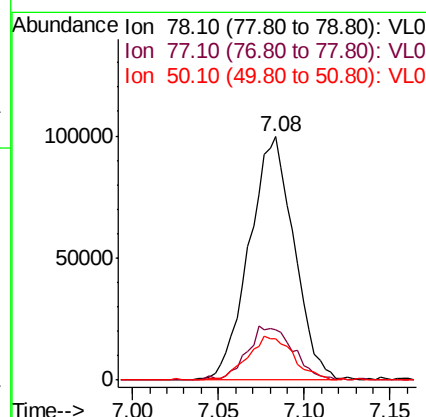
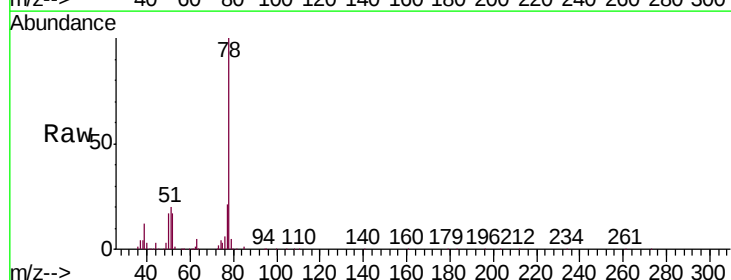
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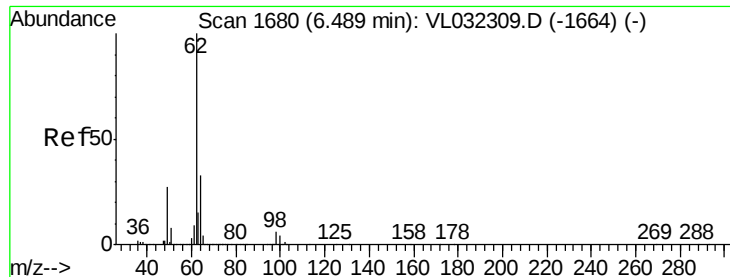
MMDadoda
7/30/2018 11:43:00 AM



#36
Benzene
Concen: 0.35 ppbv
RT: 7.08 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.6	18.4	27.6
50	16.6	15.3	22.9





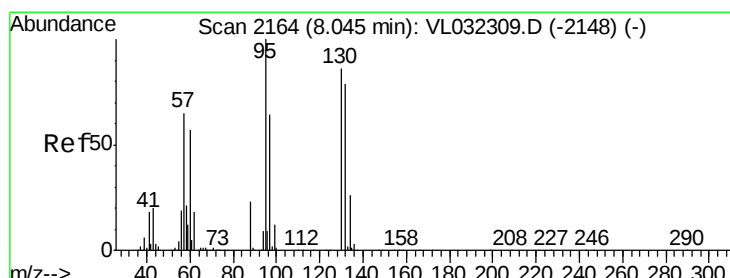
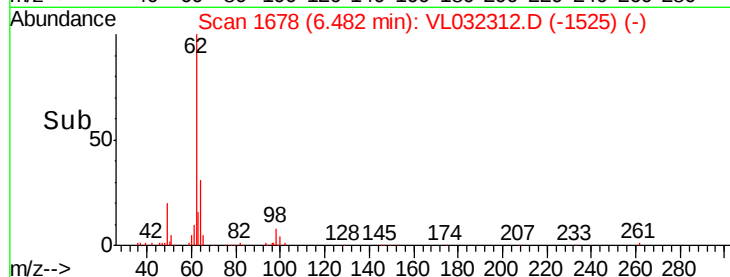
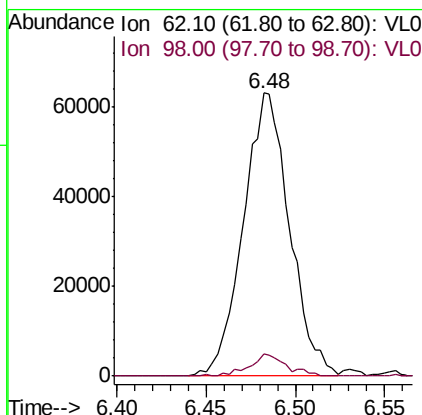
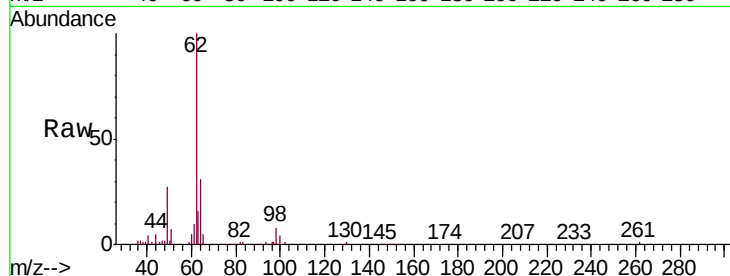
#37
 1,2-Dichloroethane
 Concen: 0.38 ppbv
 RT: 6.48 min Scan# 1678
 Delta R.T. -0.01 min
 Lab File: VL032312.D
 Acq: 27 Jul 2018 2:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.3	5.1	7.7

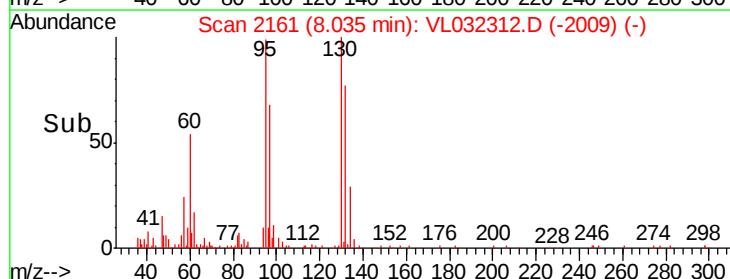
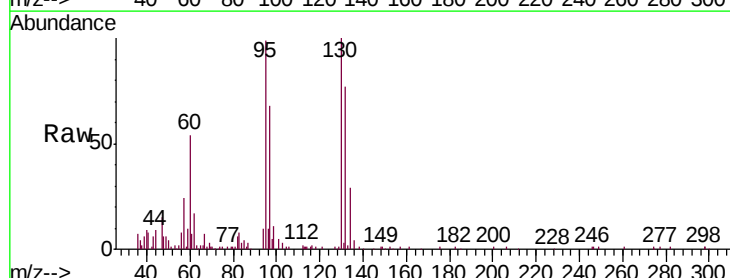
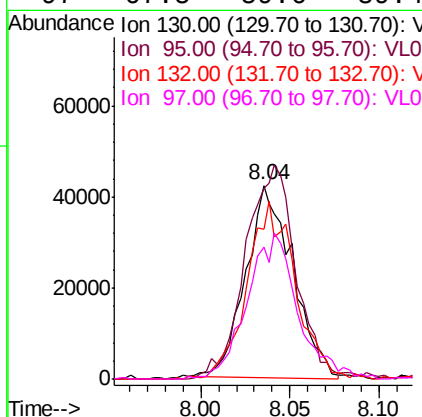
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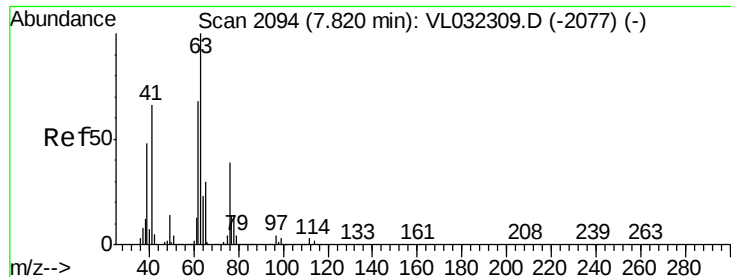
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#38
 Trichloroethene
 Concen: 0.45 ppbv
 RT: 8.04 min Scan# 2161
 Delta R.T. -0.01 min
 Lab File: VL032312.D
 Acq: 27 Jul 2018 2:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.7	92.9	139.3
132	78.5	73.0	109.4
97	67.5	59.6	89.4





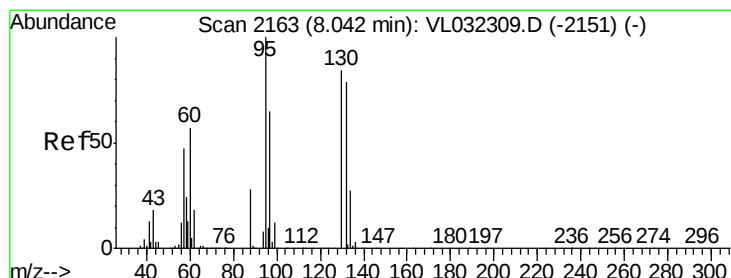
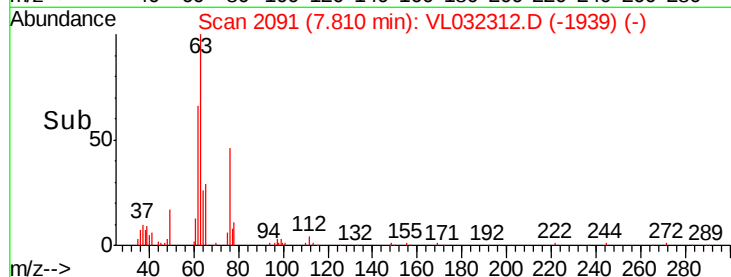
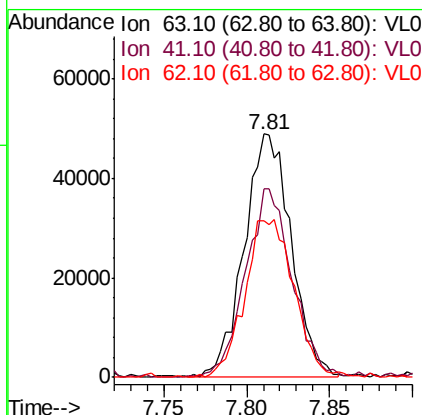
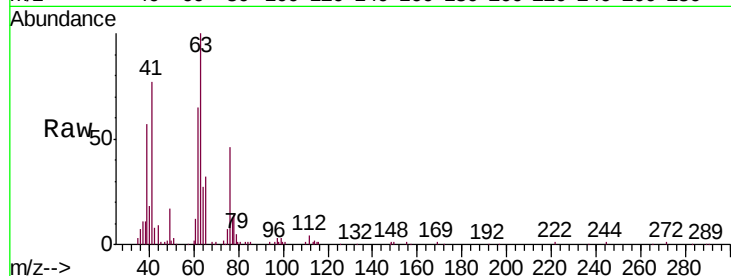
#39
 1,2-Dichloropropane
 Concen: 0.46 ppbv
 RT: 7.81 min Scan# 2091
 Delta R.T. -0.01 min
 Lab File: VL032312.D
 Acq: 27 Jul 2018 2:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
63	100		
41	76.7	52.5	78.7
62	64.6	54.6	81.8

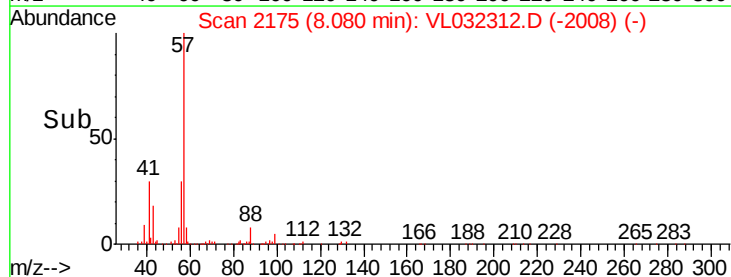
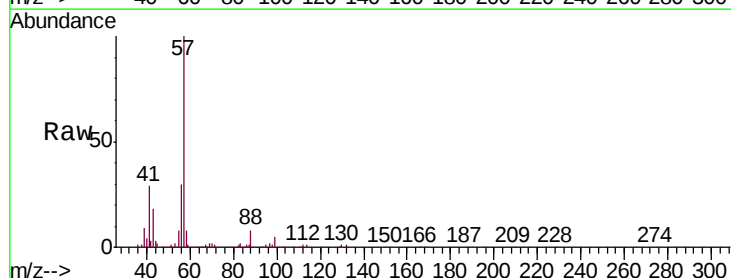
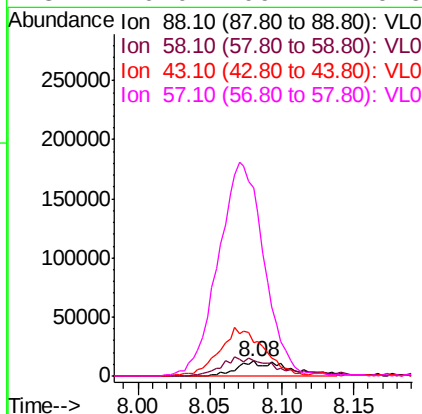
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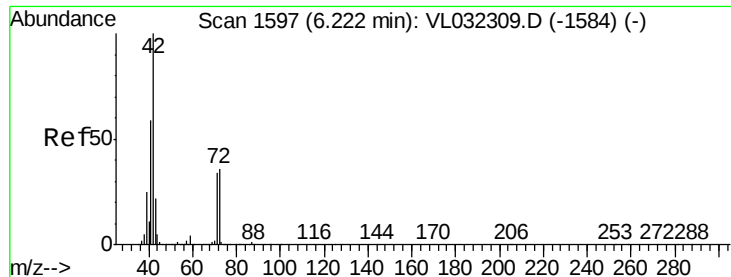
MMDadoda
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#40
 1,4-Dioxane
 Concen: 0.51 ppbv m
 RT: 8.08 min Scan# 2175
 Delta R.T. 0.04 min
 Lab File: VL032312.D
 Acq: 27 Jul 2018 2:37

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	120.5	180.7#
43	0.0	246.2	369.2#
57	0.0	1097.4	1646.2#





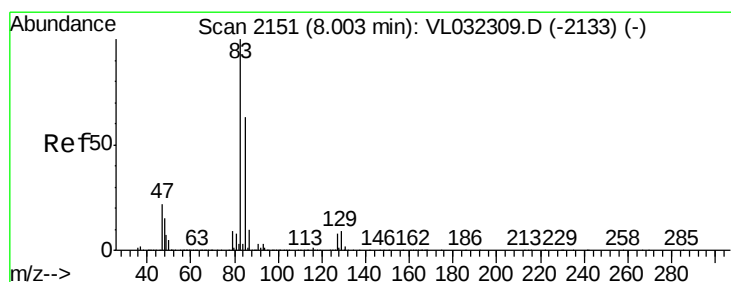
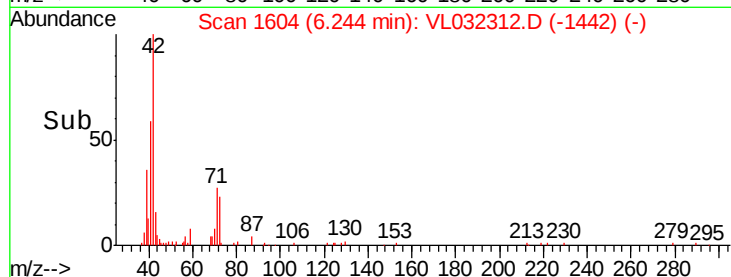
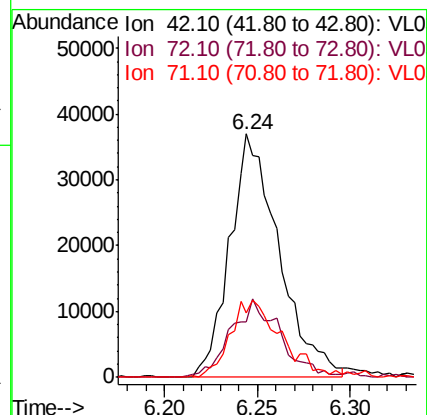
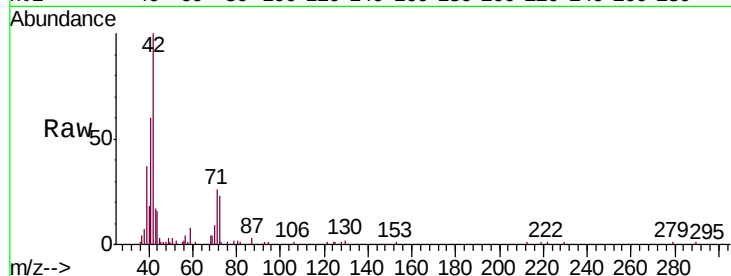
#41
Tetrahydrofuran
Concen: 0.33 ppbv
RT: 6.24 min Scan# 1604
Delta R.T. 0.02 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.8	28.6	42.8
71	33.7	27.8	41.6

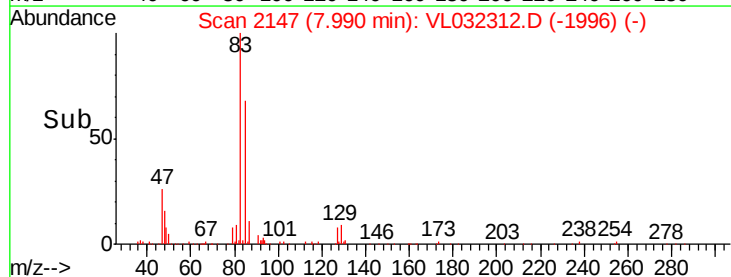
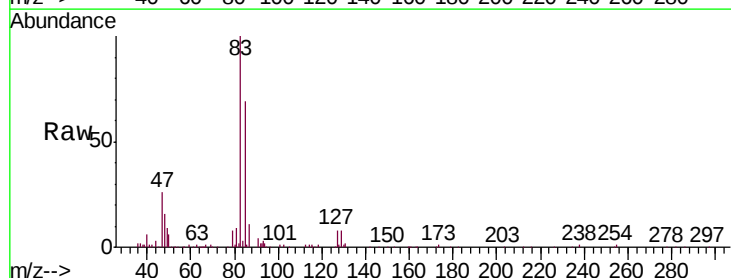
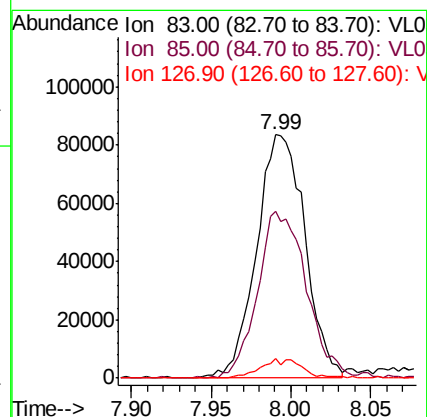
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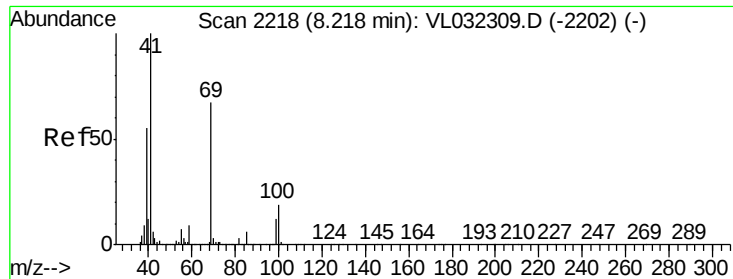
MMDadoda
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#42
Bromodichloromethane
Concen: 0.44 ppbv
RT: 7.99 min Scan# 2147
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.6	50.7	76.1
127	7.9	6.0	9.0





#43

Methyl Methacrylate

Concen: 0.36 ppbv m

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VL032312.D

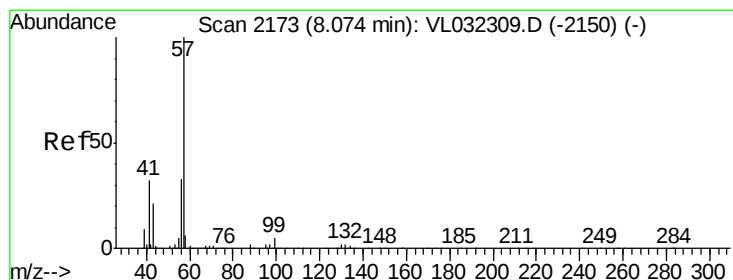
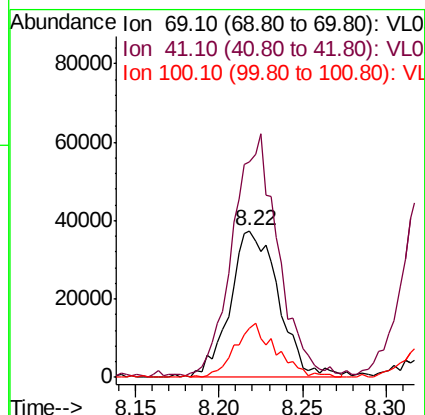
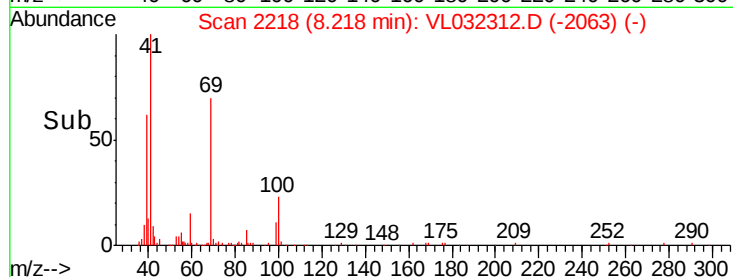
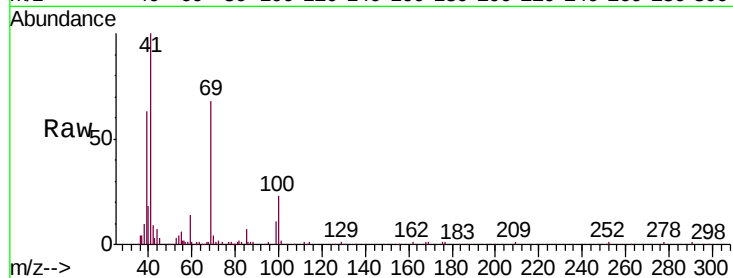
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
69	100		
41	0.0	120.6	180.8#
100	0.0	23.2	34.8#

Manual Integrations
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7/30/2018 11:43:00 AM



#44

2,2,4-Trimethylpentane

Concen: 0.43 ppbv

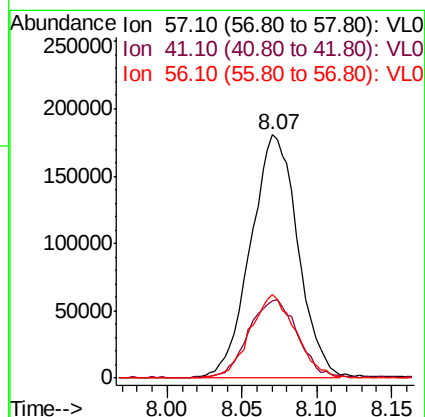
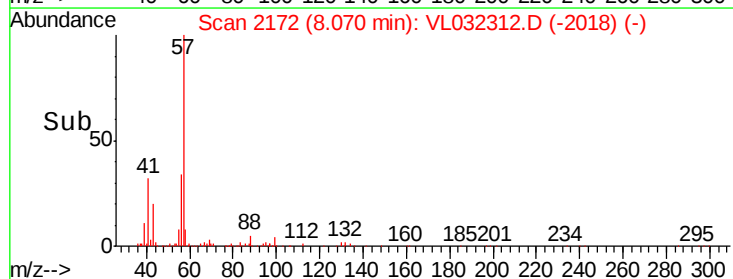
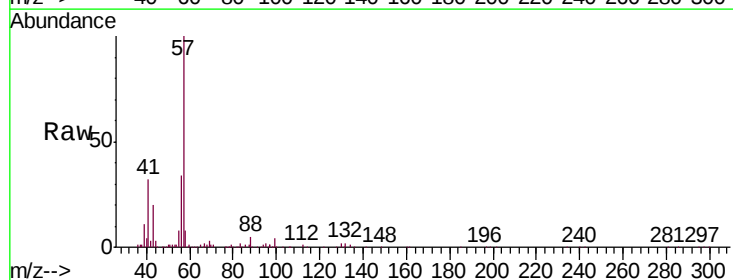
RT: 8.07 min Scan# 2172

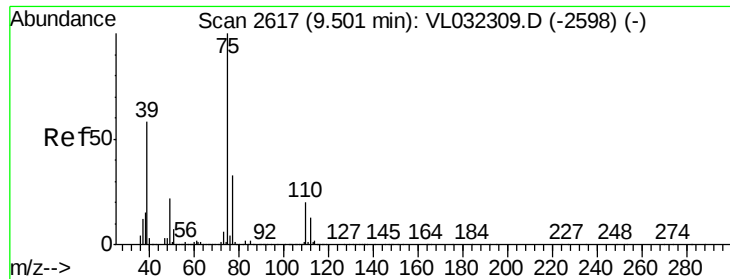
Delta R.T. -0.00 min

Lab File: VL032312.D

Acq: 27 Jul 2018 2:37

Tgt Ion	Ratio	Lower	Upper
57	100		
41	34.4	24.3	36.5
56	33.6	25.4	38.2





#45

t-1,3-Dichloropropene

Concen: 0.32 ppbv

RT: 9.49 min Scan# 2615

Delta R.T. -0.01 min

Lab File: VL032312.D

Acq: 27 Jul 2018 2:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 75 Resp: 80911

Ion Ratio Lower Upper

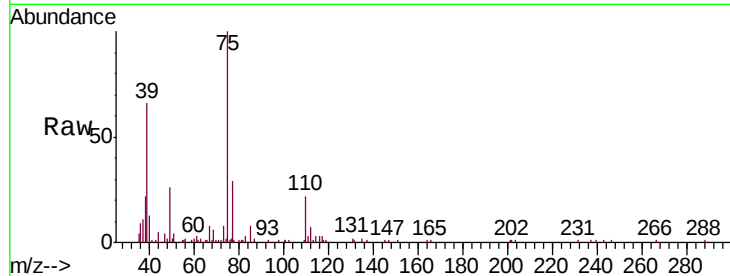
75 100

77 28.7 26.2 39.4

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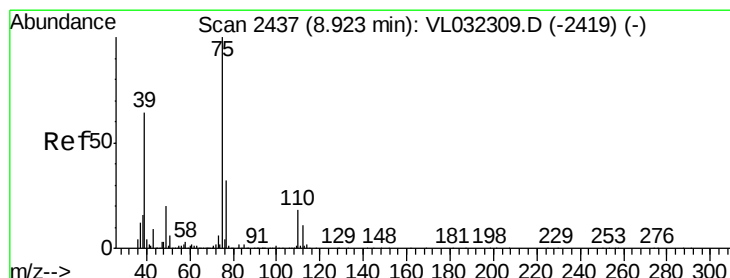
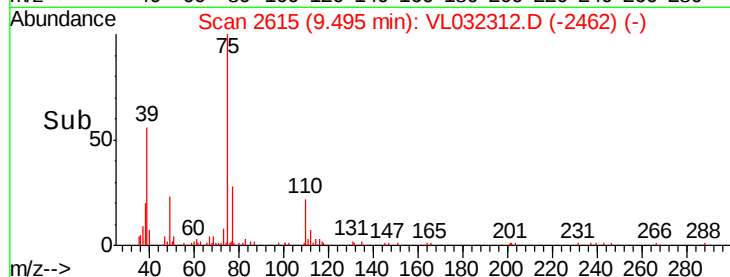
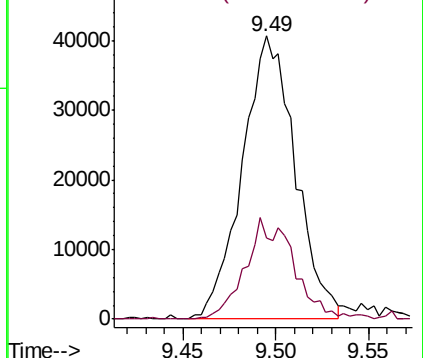
MMDadoda

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.34 ppbv

RT: 8.92 min Scan# 2435

Delta R.T. -0.01 min

Lab File: VL032312.D

Acq: 27 Jul 2018 2:37

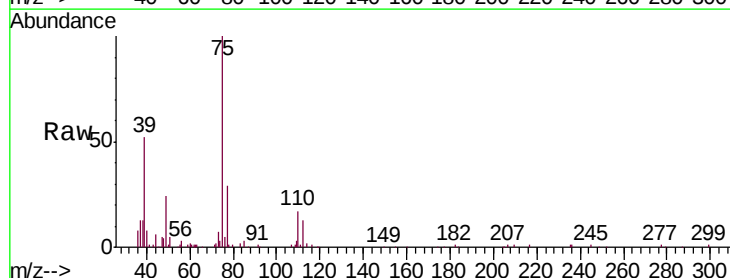
Tgt Ion: 75 Resp: 106892

Ion Ratio Lower Upper

75 100

39 50.4 50.9 76.3#

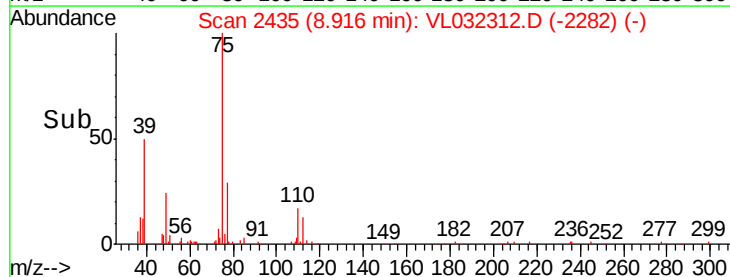
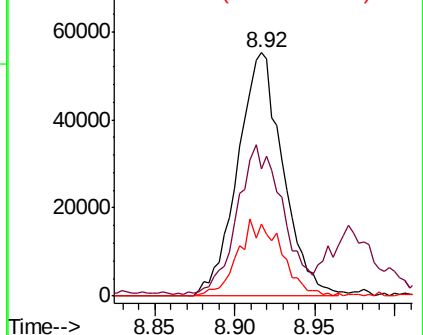
77 29.4 25.7 38.5

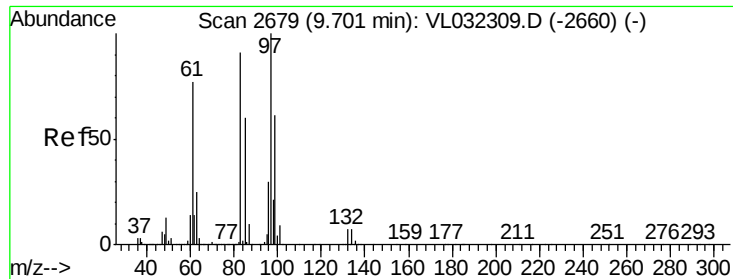


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





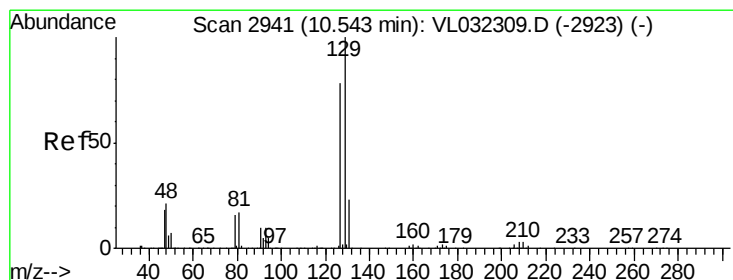
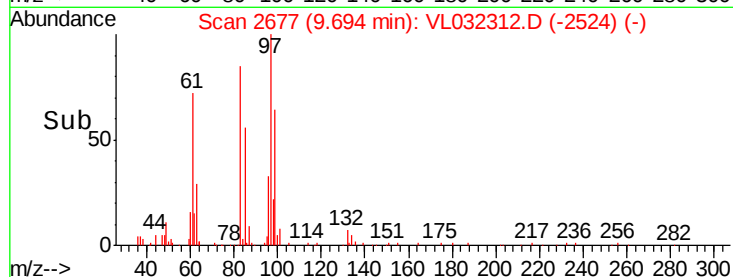
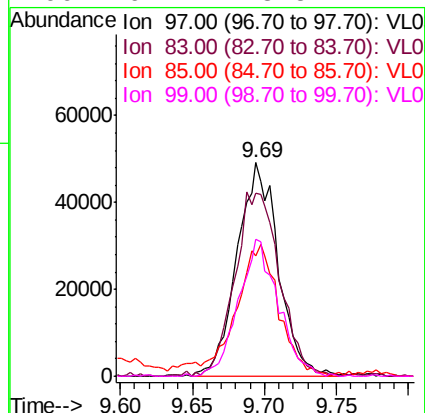
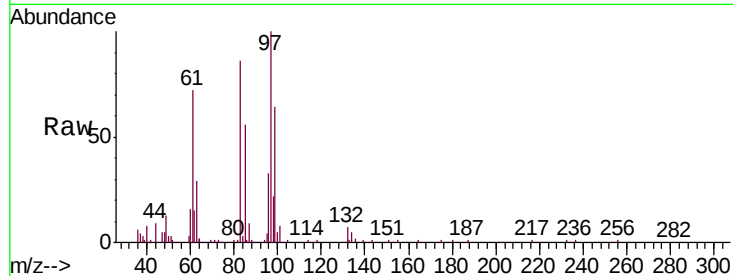
#47
 1,1,2-Trichloroethane
 Concen: 0.44 ppbv m
 RT: 9.69 min Scan# 2677
 Delta R.T. -0.01 min
 Lab File: VL032312.D
 Acq: 27 Jul 2018 2:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	97	Resp:	97583
Ion	Ratio	Lower	Upper
97	100		
83	85.7	73.0	109.6
85	56.3	48.1	72.1
99	64.2	48.5	72.7

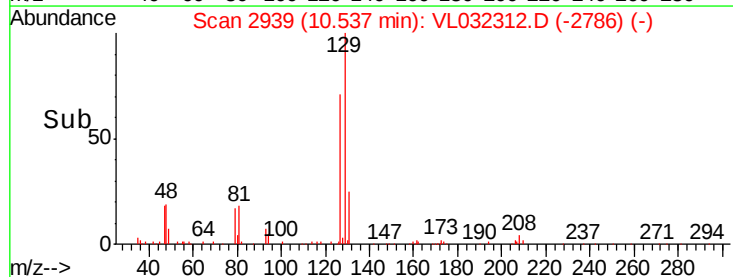
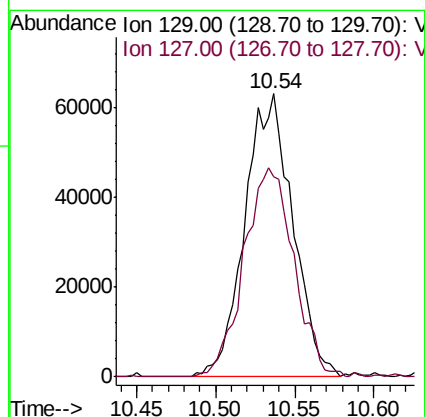
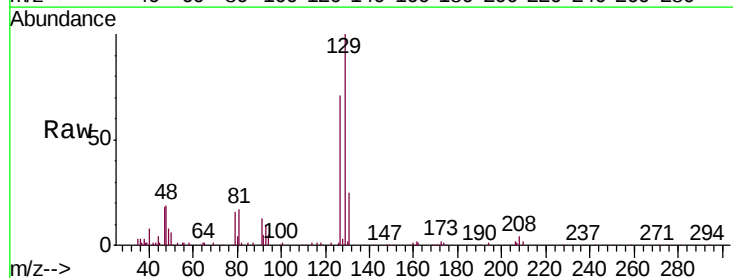
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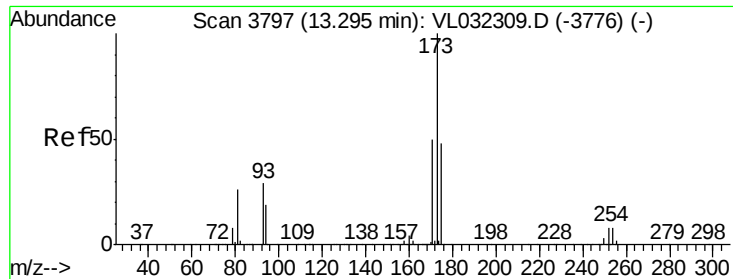
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 7/30/2018 11:43:00 AM



#48
 Dibromochloromethane
 Concen: 0.40 ppbv m
 RT: 10.54 min Scan# 2939
 Delta R.T. -0.01 min
 Lab File: VL032312.D
 Acq: 27 Jul 2018 2:37

Tgt Ion:	129	Resp:	131425
Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.5	118.3





#49

Bromoform

Concen: 0.37 ppbv

RT: 13.29 min Scan# 3796

Delta R.T. -0.00 min

Lab File: VL032312.D

Acq: 27 Jul 2018 2:37

Instrument :

MSVOA_L

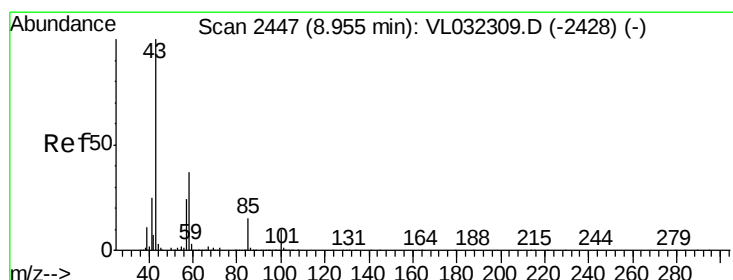
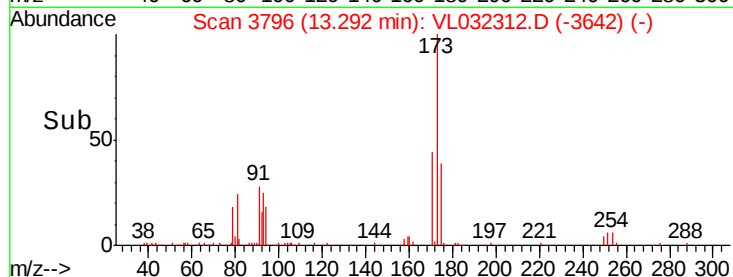
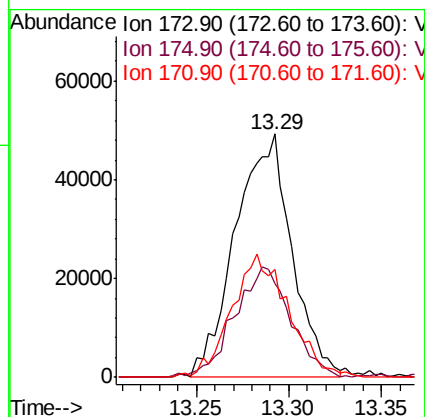
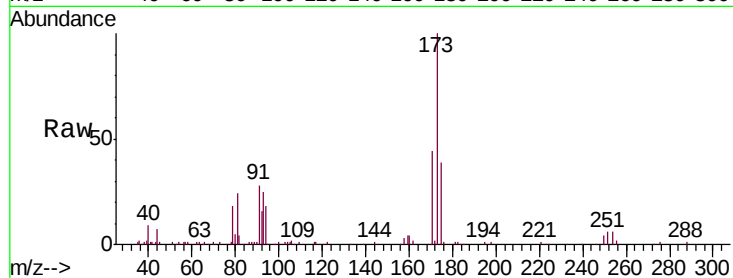
ClientSampleId :

VSTDIC0.5

Tot Ion:	173	Resp:	104381
Ion Ratio	Lower	Upper	
173	100		
175	46.0	38.9	58.3
171	51.1	42.2	63.2

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7/30/2018 11:43:00 AM



#50

4-Methyl-2-Pentanone

Concen: 0.37 ppbv

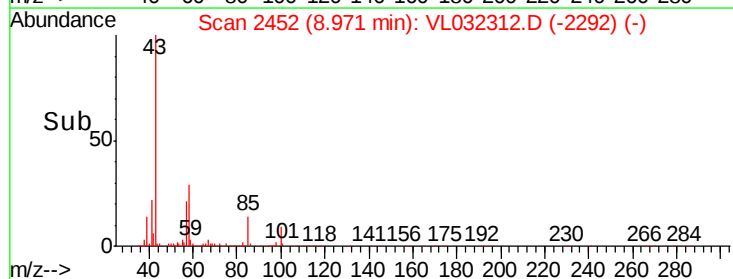
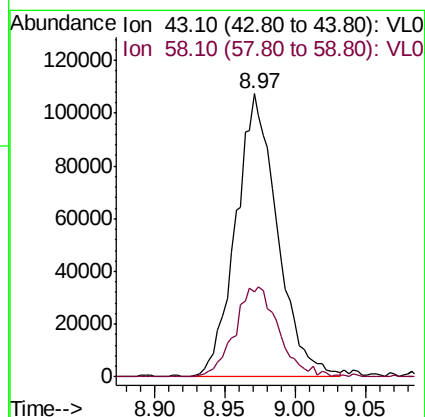
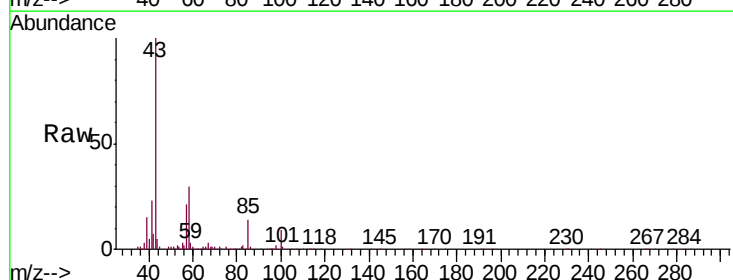
RT: 8.97 min Scan# 2452

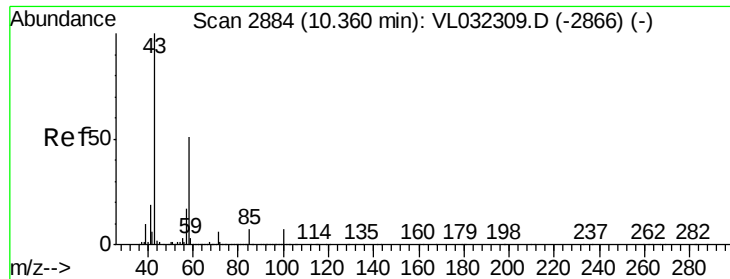
Delta R.T. 0.02 min

Lab File: VL032312.D

Acq: 27 Jul 2018 2:37

Tgt Ion:	43	Resp:	221681
Ion Ratio	Lower	Upper	
43	100		
58	33.2	28.9	43.3





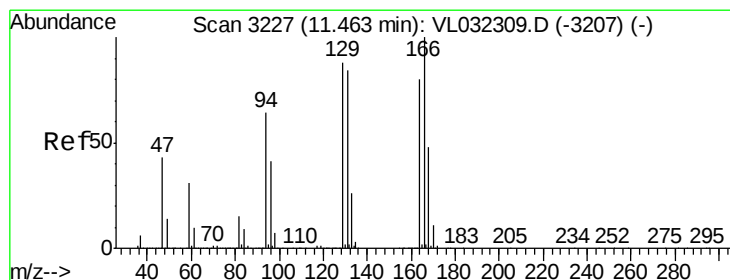
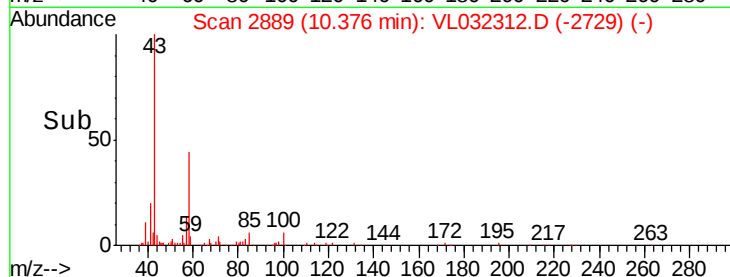
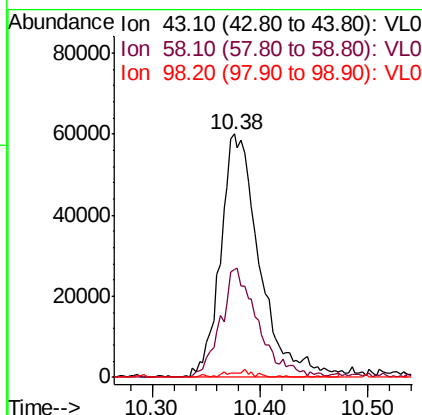
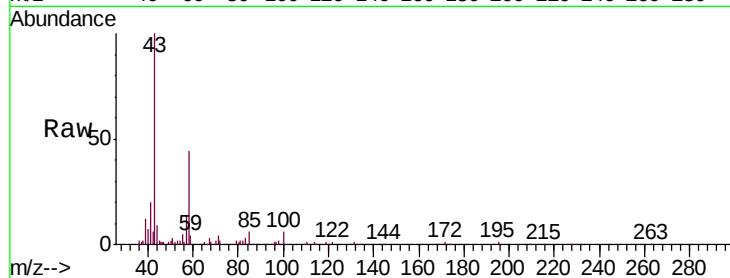
#51
2-Hexanone
Concen: 0.32 ppbv m
RT: 10.38 min Scan# 2889
Delta R.T. 0.02 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	39.1	58.7#
98	0.2	0.3	0.5#

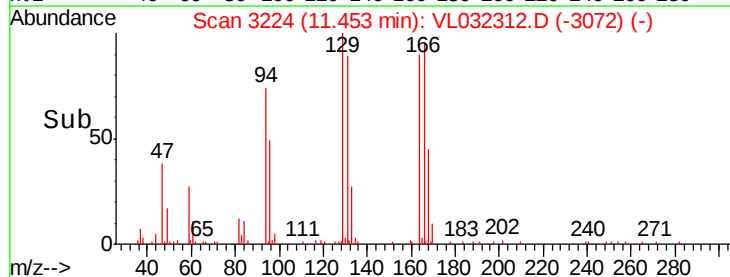
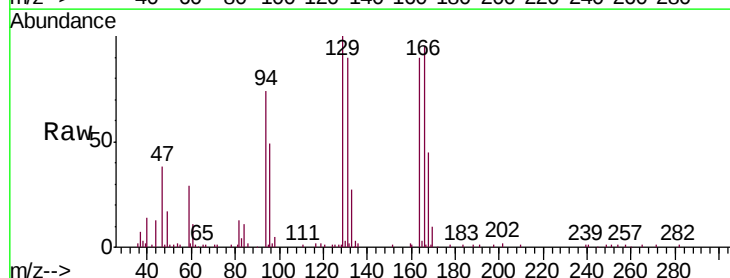
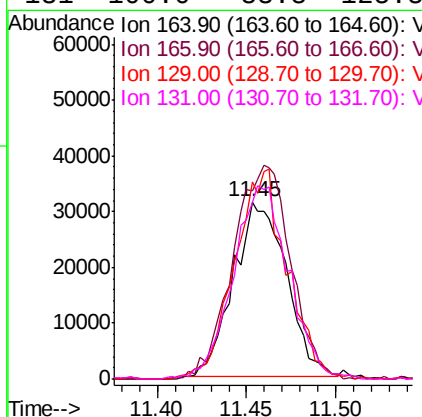
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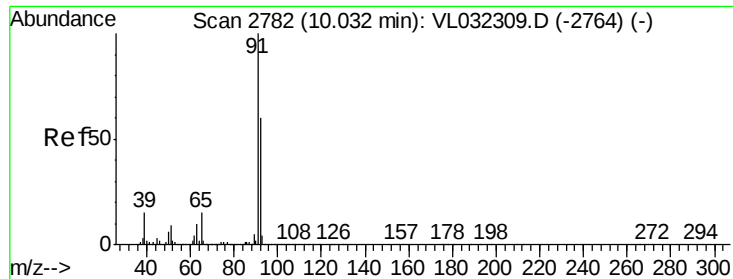
MMDadoda
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#52
Tetrachloroethene
Concen: 0.37 ppbv
RT: 11.45 min Scan# 3224
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	104.8	100.0	150.0
129	110.9	87.9	131.9
131	100.0	83.8	125.8





#53

Toluene

Concen: 0.32 ppbv

RT: 10.03 min Scan# 2781

Delta R.T. -0.00 min

Lab File: VL032312.D

Acq: 27 Jul 2018 2:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 197163

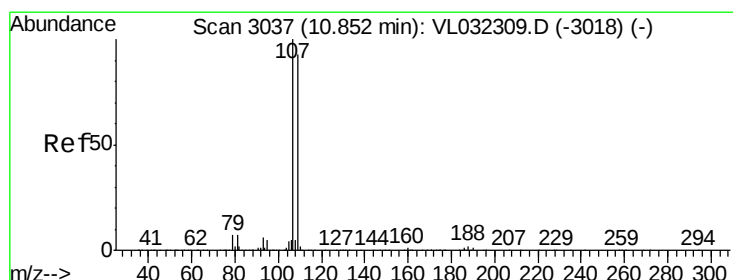
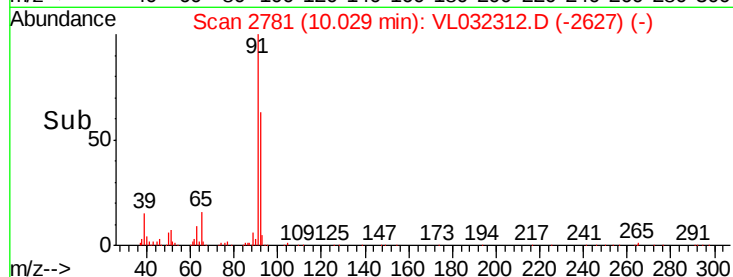
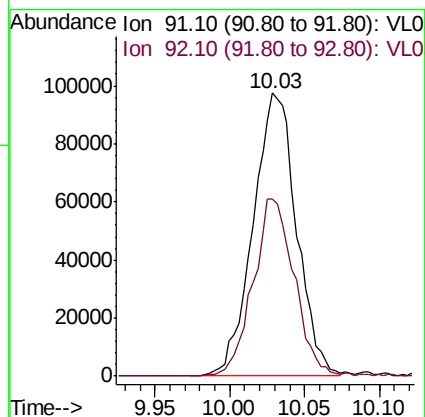
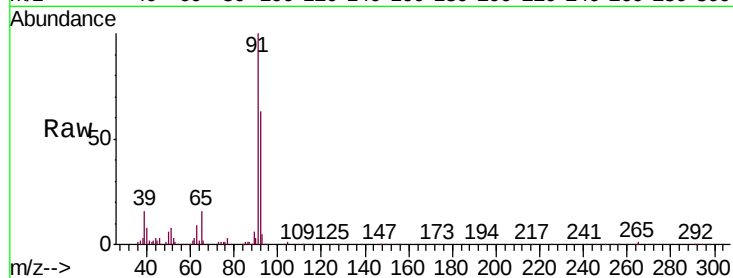
Ion Ratio Lower Upper

91 100

92 59.8 48.6 72.8

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#54

1,2-Dibromoethane

Concen: 0.39 ppbv

RT: 10.84 min Scan# 3033

Delta R.T. -0.01 min

Lab File: VL032312.D

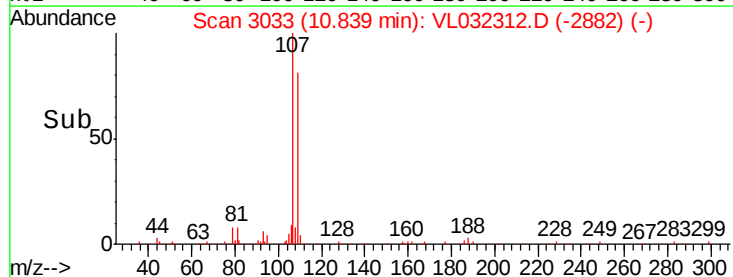
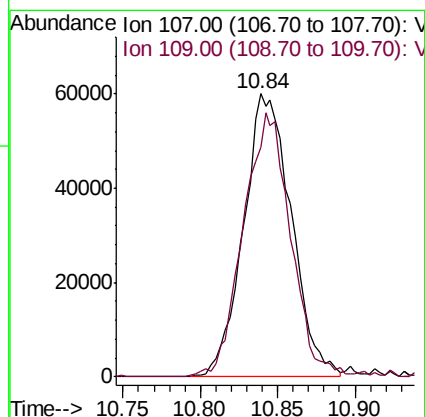
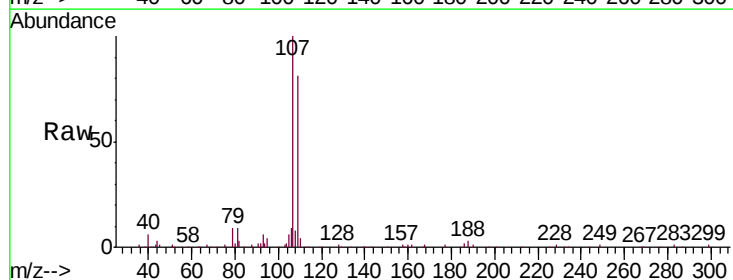
Acq: 27 Jul 2018 2:37

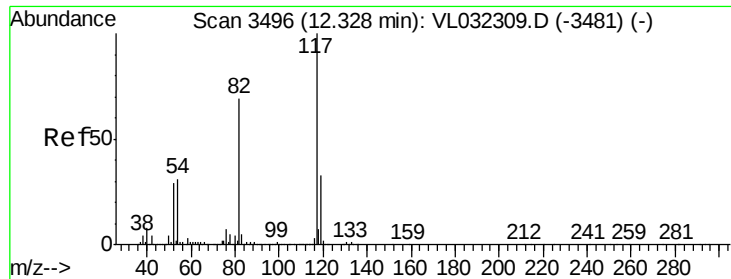
Tgt Ion: 107 Resp: 128922

Ion Ratio Lower Upper

107 100

109 80.6 74.1 111.1





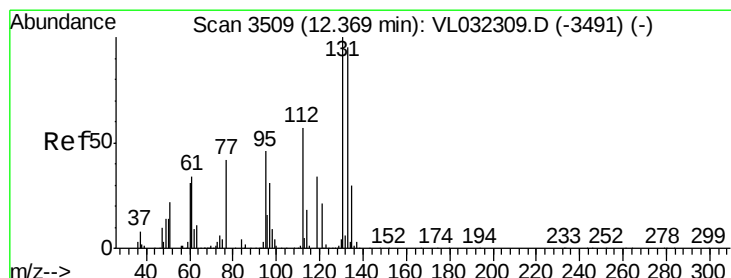
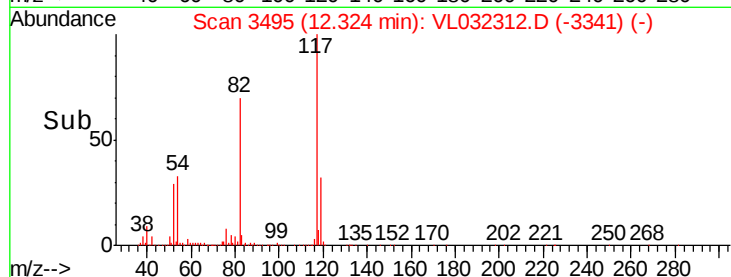
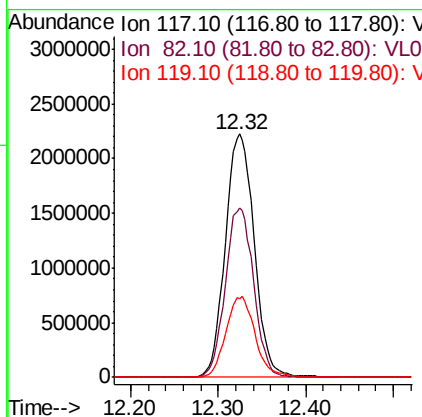
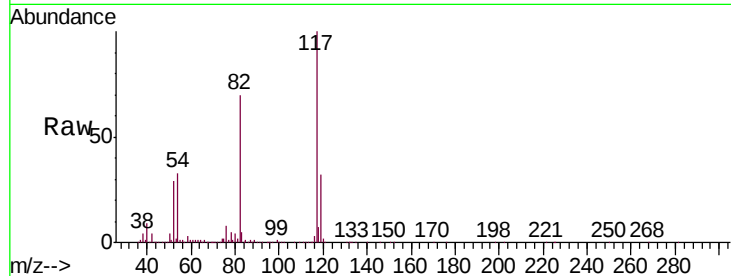
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.32 min Scan# 3495
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion:117 Resp: 5113852
Ion Ratio Lower Upper
117 100
82 68.3 52.6 78.8
119 33.6 25.7 38.5

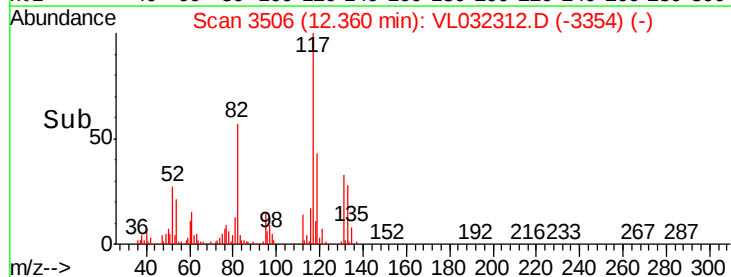
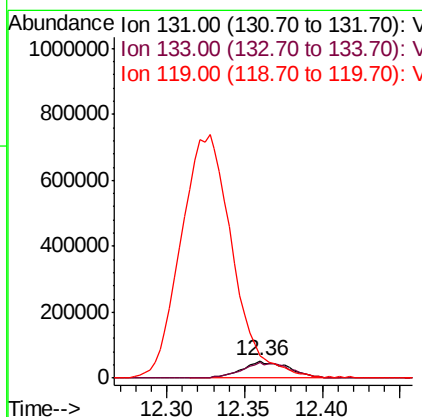
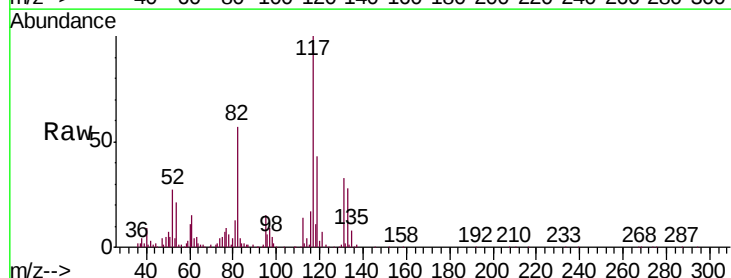
Manual Integrations
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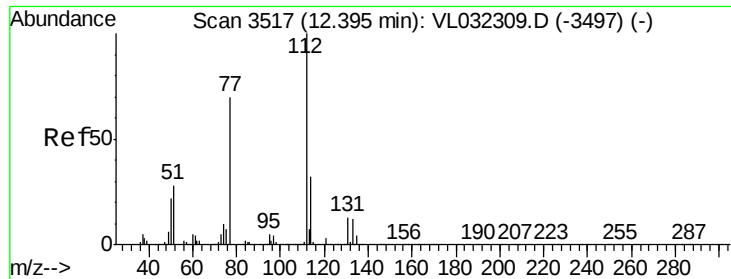
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.48 ppbv m
RT: 12.36 min Scan# 3506
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion:131 Resp: 109668
Ion Ratio Lower Upper
131 100
133 95.4 75.8 113.6
119 1566.2 48.1 72.1#





#57

Chlorobenzene

Concen: 0.51 ppbv

RT: 12.39 min Scan# 3514

Delta R.T. -0.01 min

Lab File: VL032312.D

Acq: 27 Jul 2018 2:37

Instrument :

MSVOA_L

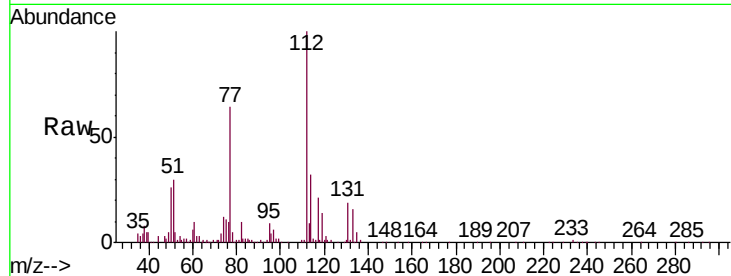
ClientSampleId :

VSTDIC0.5

Tot Ion:	112	Resp:	213493
Ion Ratio	Lower	Upper	
112	100		
77	63.8	56.5	84.7
114	31.7	28.4	34.7

Manual Integrations
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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

100000

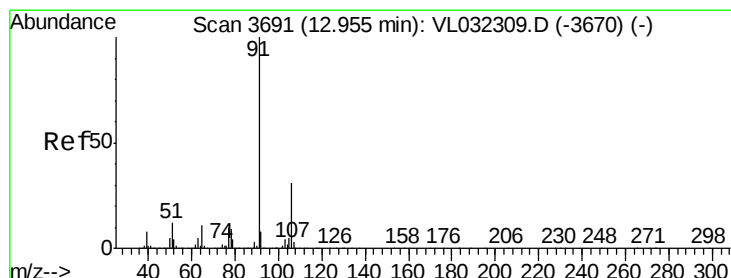
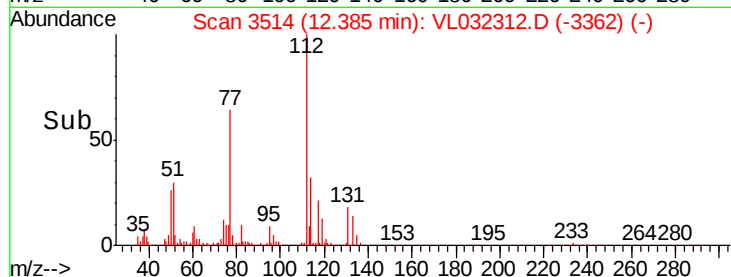
50000

0

12.39

12.30 12.35 12.40 12.45

Time-->



#58

Ethyl Benzene

Concen: 0.38 ppbv

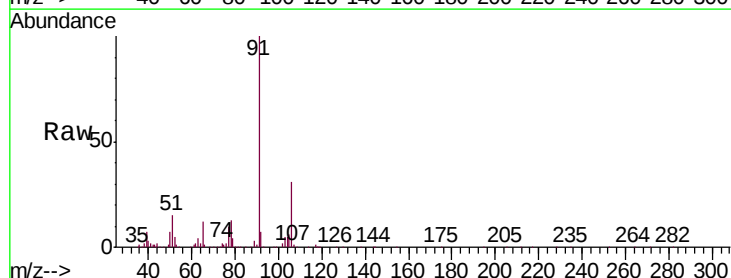
RT: 12.95 min Scan# 3689

Delta R.T. -0.01 min

Lab File: VL032312.D

Acq: 27 Jul 2018 2:37

Tgt Ion:	91	Resp:	266769
Ion Ratio	Lower	Upper	
91	100		
106	30.7	25.0	37.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

150000

100000

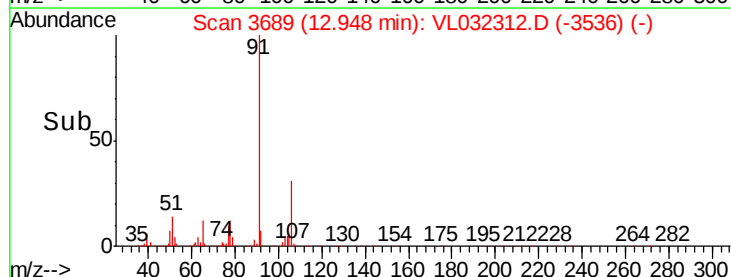
50000

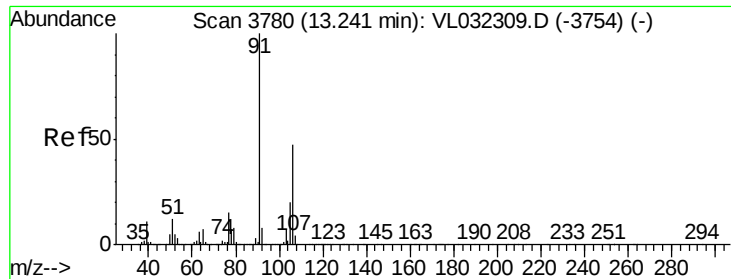
0

12.95

12.90 12.95 13.00

Time-->





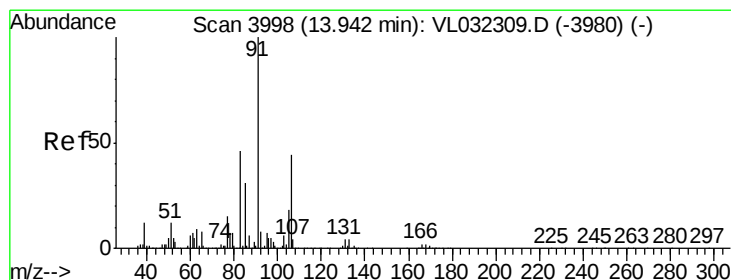
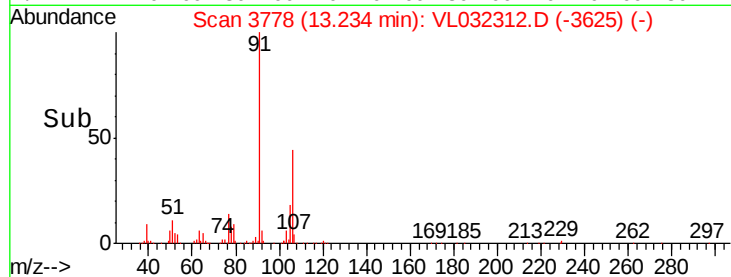
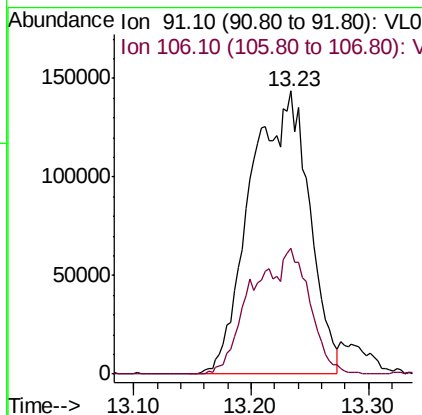
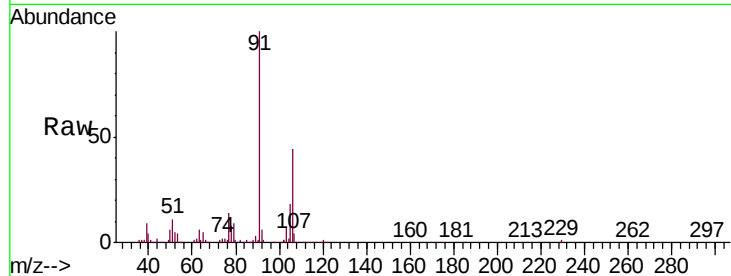
#59
m/p-Xylene
Concen: 0.81 ppbv m
RT: 13.23 min Scan# 3778
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 496988
Ion Ratio Lower Upper
91 100
106 43.7 36.4 54.6

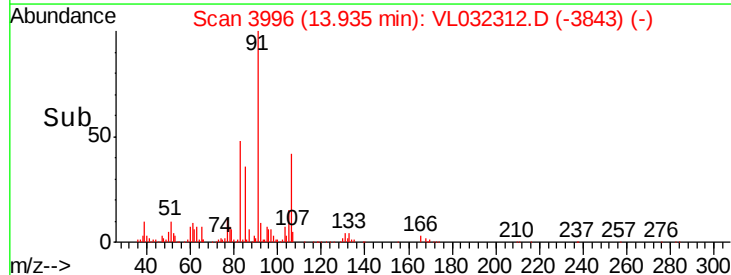
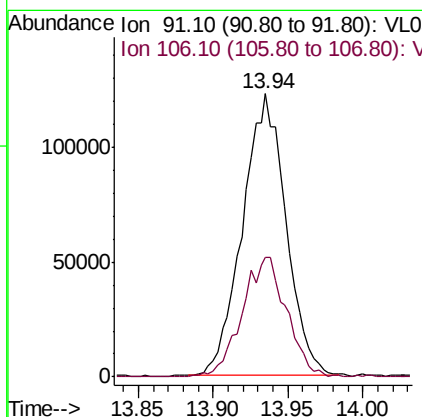
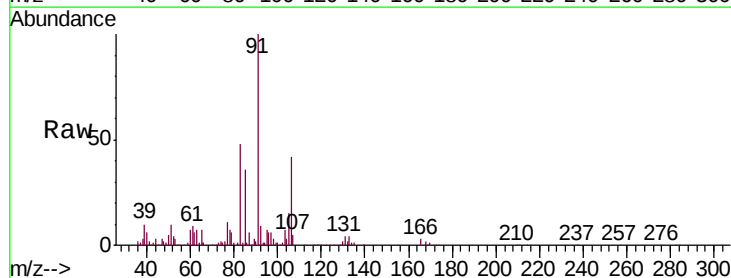
Manual Integrations
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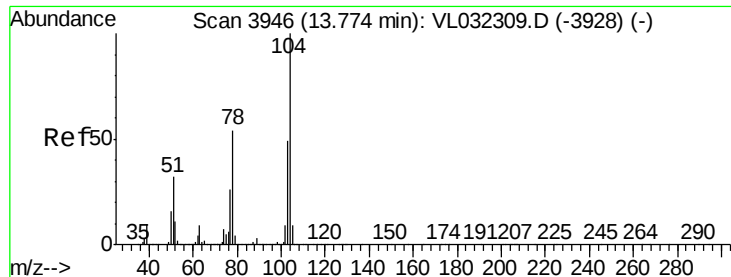
MMDadoda
7/30/2018 11:43:00 AM



#60
o-Xylene
Concen: 0.40 ppbv
RT: 13.94 min Scan# 3996
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 91 Resp: 245587
Ion Ratio Lower Upper
91 100
106 43.8 22.4 67.0





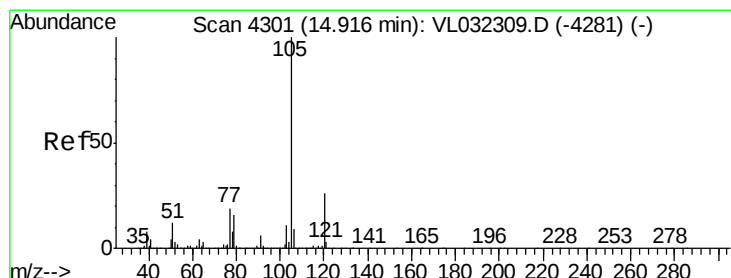
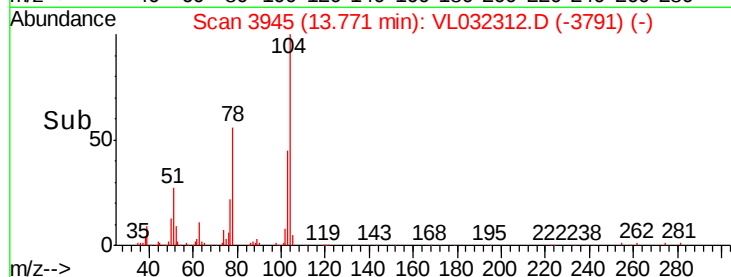
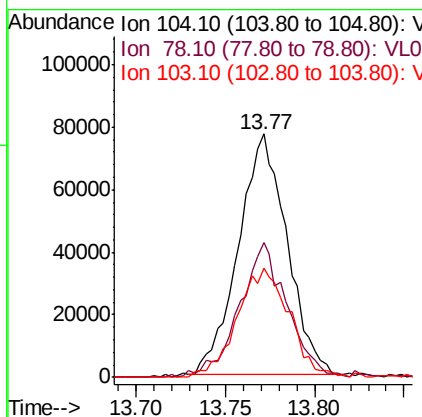
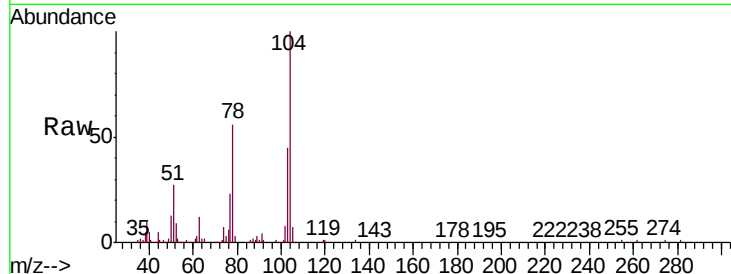
#61
Stvrene
Concen: 0.33 ppbv
RT: 13.77 min Scan# 3945
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
104	100		
78	56.9	42.6	63.8
103	49.2	38.0	57.0

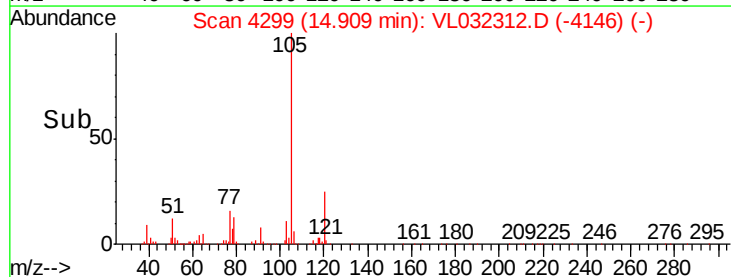
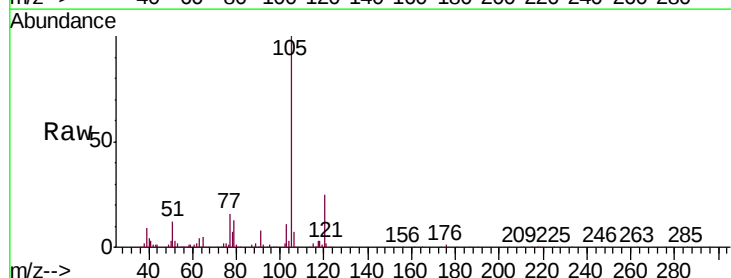
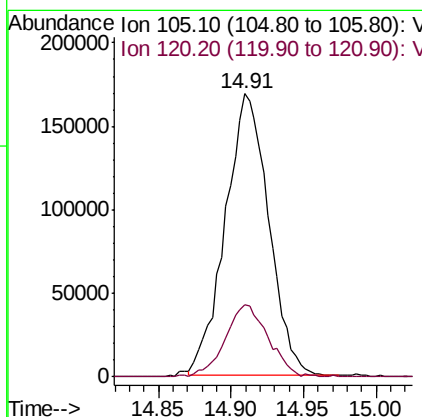
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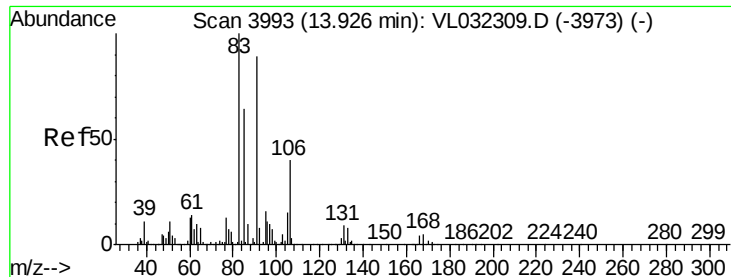
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#62
Isopropylbenzene
Concen: 0.41 ppbv
RT: 14.91 min Scan# 4299
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.4	30.6





#63

1,1,2,2-Tetrachloroethane

Concen: 0.44 ppbv

RT: 13.92 min Scan# 3990

Delta R.T. -0.01 min

Lab File: VL032312.D

Acq: 27 Jul 2018 2:37

Instrument :

MSVOA_L

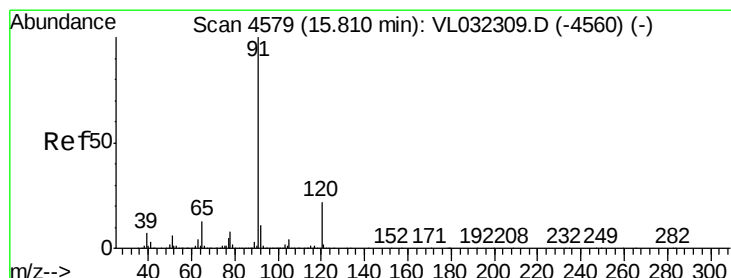
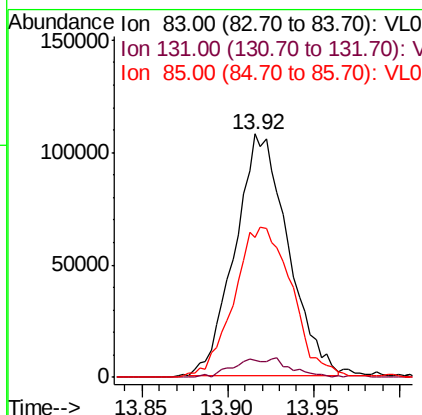
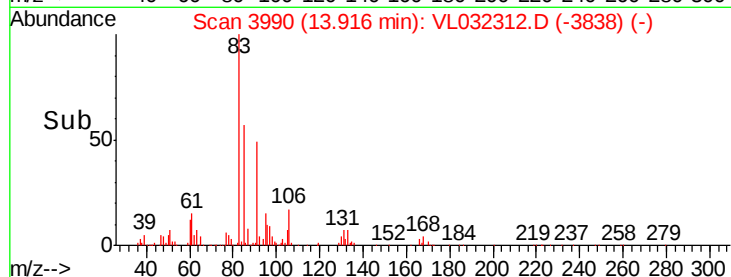
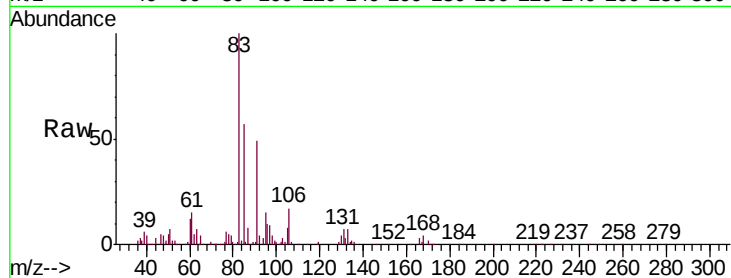
ClientSampleId :

VSTDIC0.5

Tot Ion:	83	Resp:	228984
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.3	12.8
85	68.9	32.6	97.7

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#64

n-propylbenzene

Concen: 0.41 ppbv m

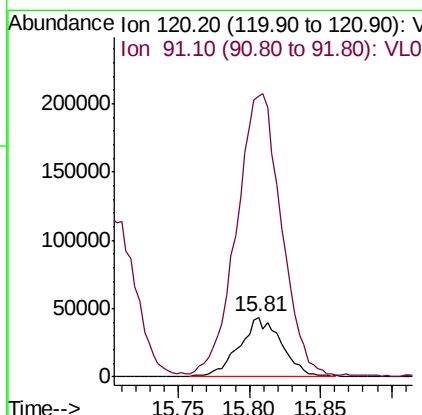
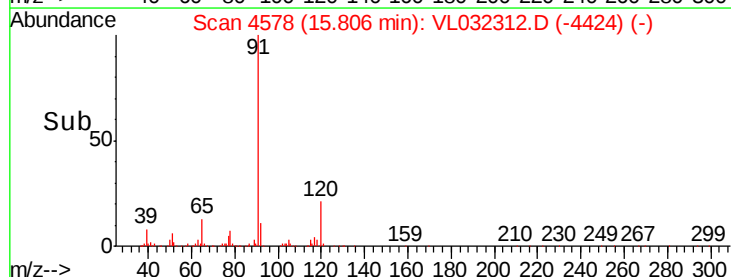
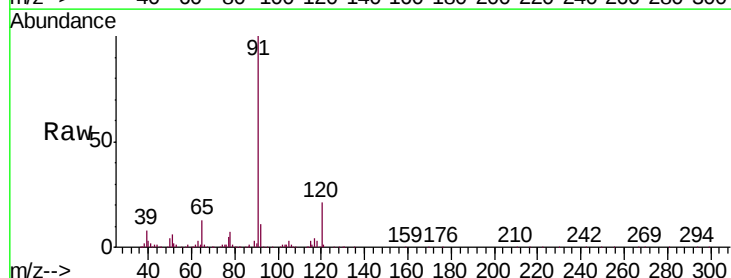
RT: 15.81 min Scan# 4578

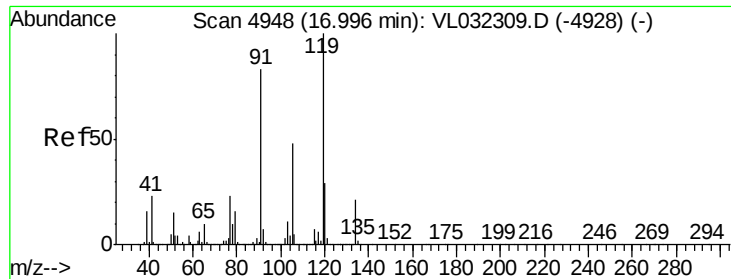
Delta R.T. -0.00 min

Lab File: VL032312.D

Acq: 27 Jul 2018 2:37

Tgt Ion:	120	Resp:	90494
Ion Ratio	Lower	Upper	
120	100		
91	296.9	381.8	572.8#





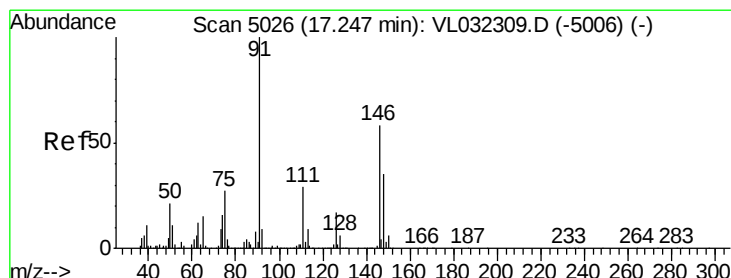
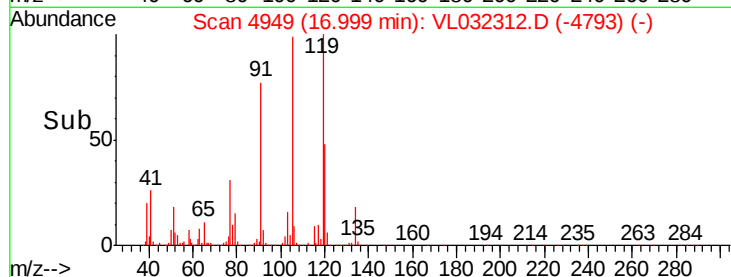
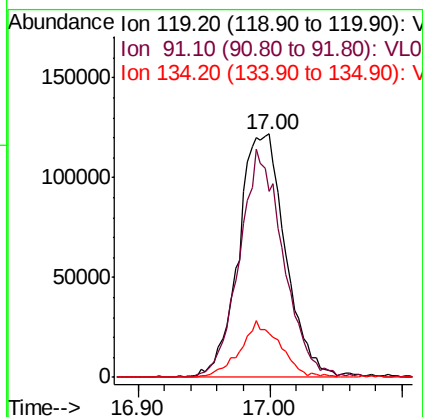
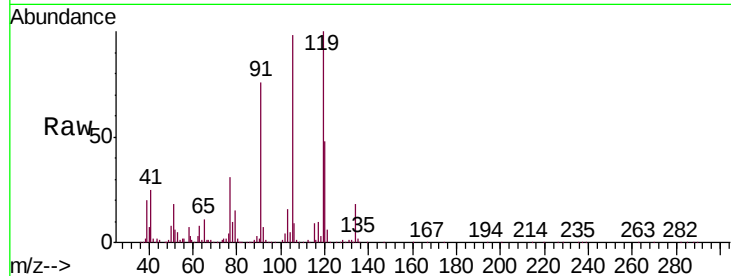
#65
tert-Butylbenzene
Concen: 0.41 ppbv m
RT: 17.00 min Scan# 4949
Delta R.T. 0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
119	100		
91	88.7	67.5	101.3
134	20.2	15.8	23.6

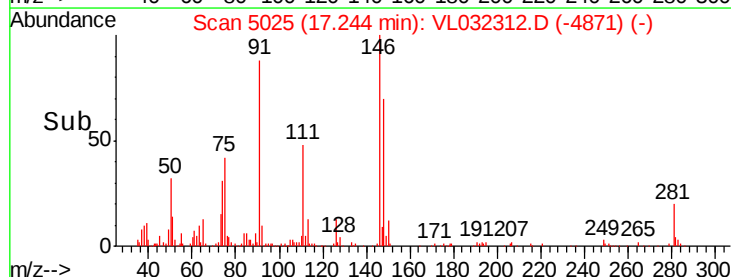
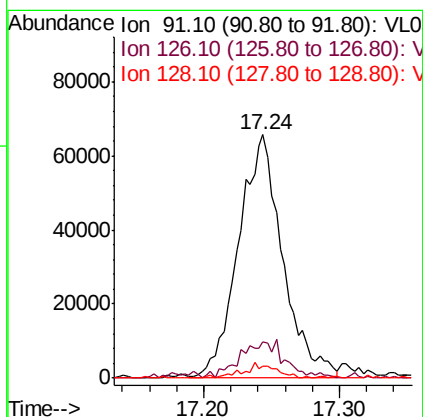
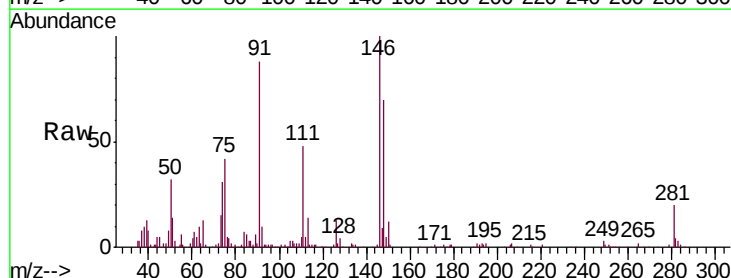
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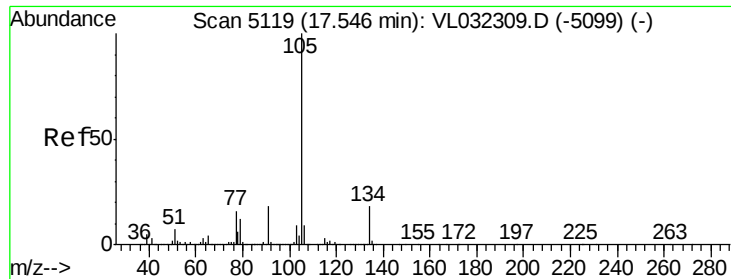
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#66
Benzyl Chloride
Concen: 0.36 ppbv m
RT: 17.24 min Scan# 5025
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.1	13.7	20.5
128	4.6	4.3	6.5





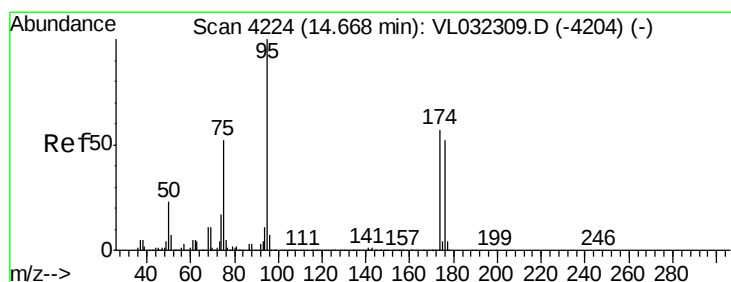
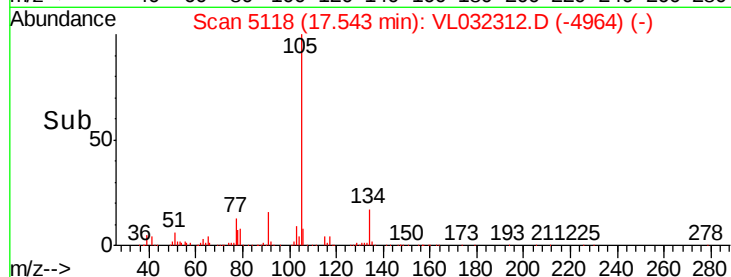
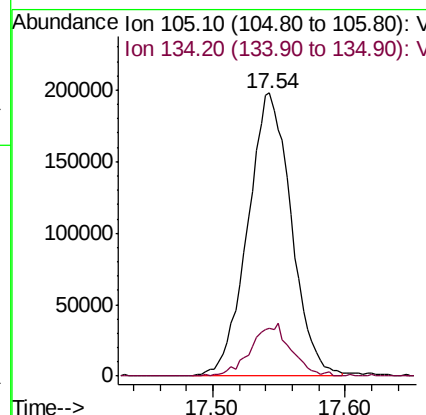
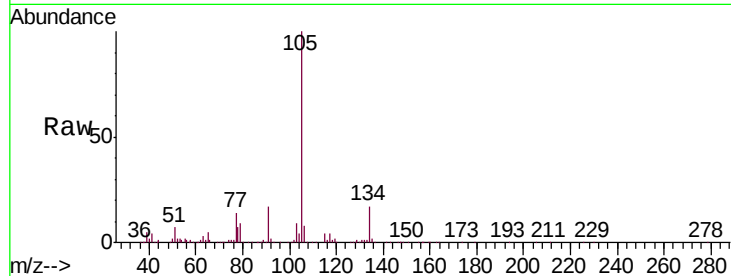
#67
 sec-Butylbenzene
 Concen: 0.41 ppbv
 RT: 17.54 min Scan# 5118
 Delta R.T. -0.00 min
 Lab File: VL032312.D
 Acq: 27 Jul 2018 2:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.2	14.2	21.4

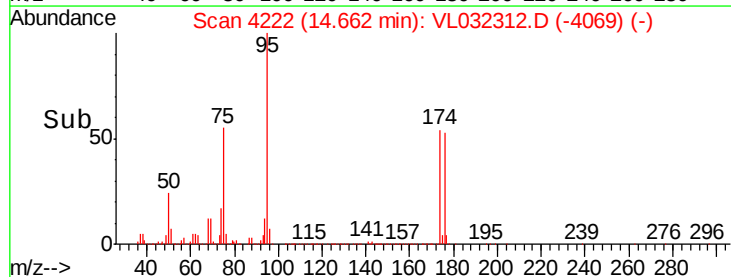
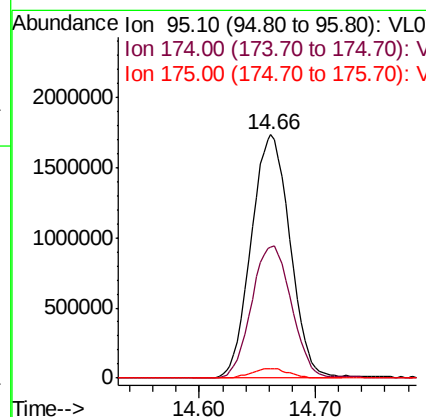
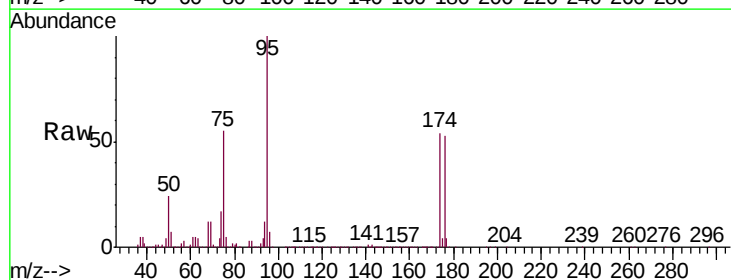
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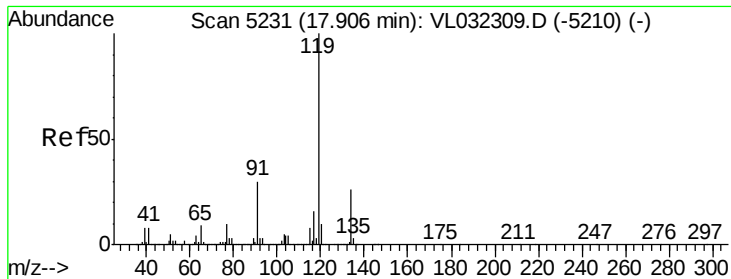
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.87 ppbv
 RT: 14.66 min Scan# 4222
 Delta R.T. -0.01 min
 Lab File: VL032312.D
 Acq: 27 Jul 2018 2:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	56.6	45.5	68.3
175	3.9	3.3	4.9





#69

p-Isopropyltoluene

Concen: 0.38 ppbv

RT: 17.90 min Scan# 5229

Delta R.T. -0.01 min

Lab File: VL032312.D

Acq: 27 Jul 2018 2:37

Instrument :

MSVOA_L

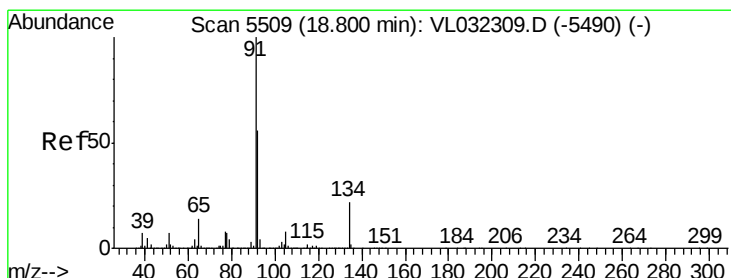
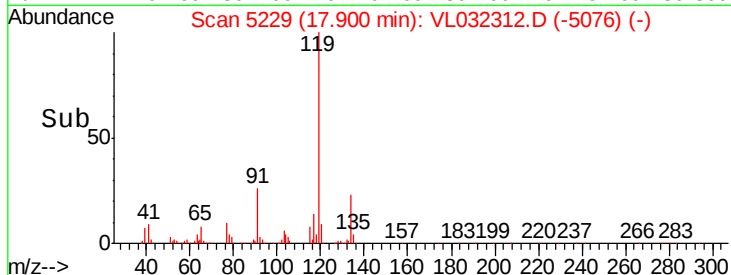
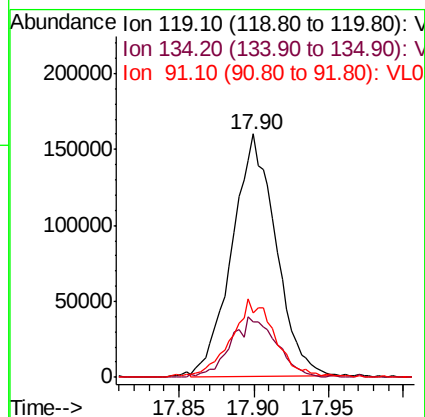
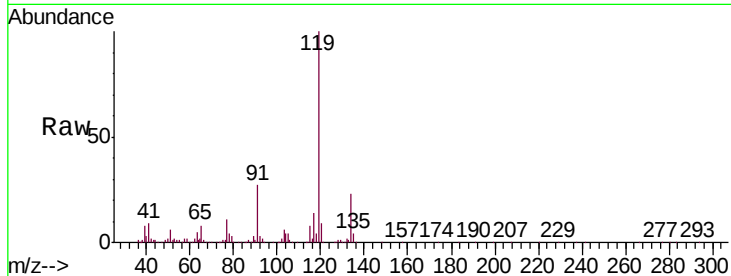
ClientSampleId :

VSTDIC0.5

Tot Ion:	119	Resp:	325418
Ion Ratio	Lower	Upper	
119	100		
134	26.1	20.3	30.5
91	32.8	23.8	35.6

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#70

n-Butylbenzene

Concen: 0.42 ppbv

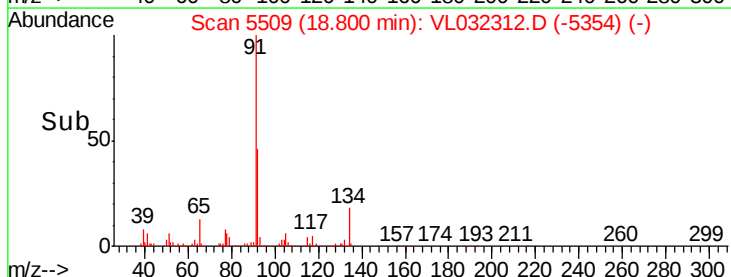
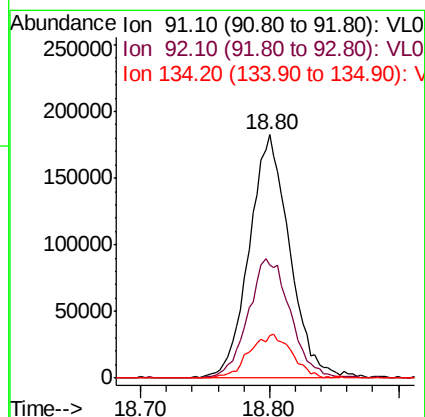
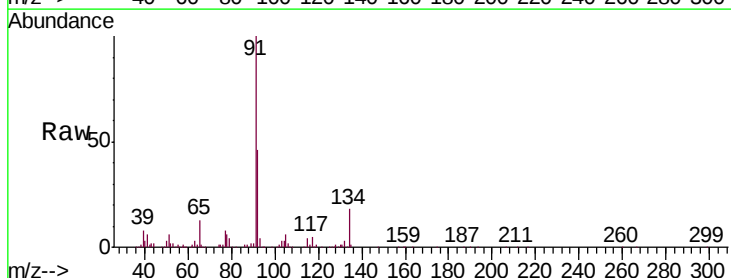
RT: 18.80 min Scan# 5509

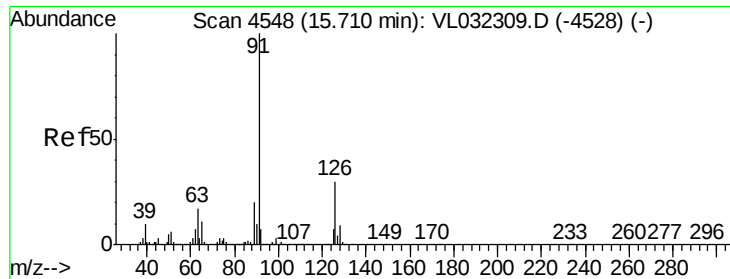
Delta R.T. -0.00 min

Lab File: VL032312.D

Acq: 27 Jul 2018 2:37

Tgt Ion:	91	Resp:	395875
Ion Ratio	Lower	Upper	
91	100		
92	51.8	44.2	66.4
134	19.4	17.4	26.2





#71

2-Chlorotoluene

Concen: 0.39 ppbv m

RT: 15.70 min Scan# 4546

Delta R.T. -0.01 min

Lab File: VL032312.D

Acq: 27 Jul 2018 2:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 268553

Ion Ratio Lower Upper

91 100

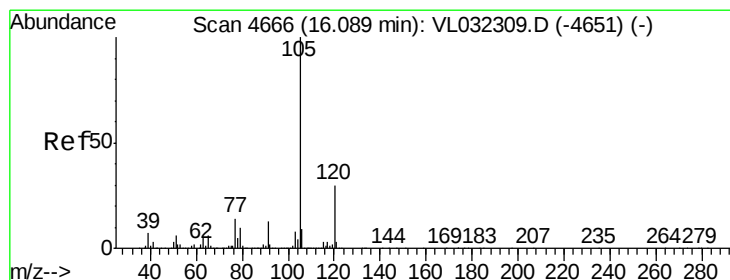
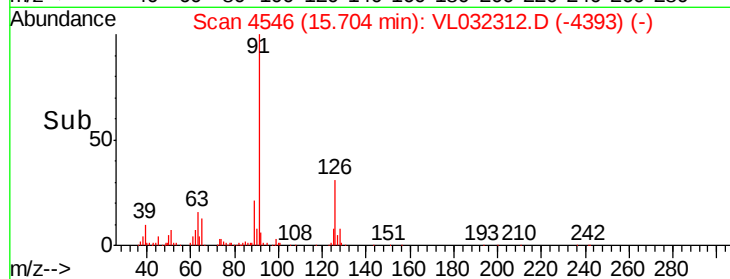
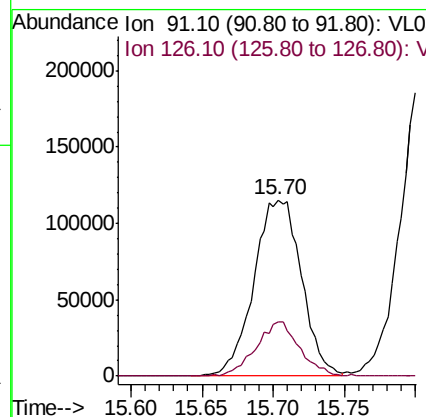
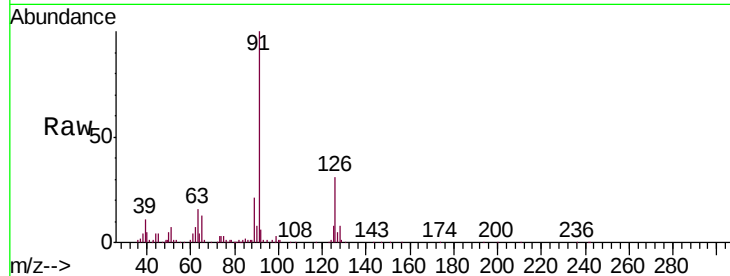
126 28.5 11.8 47.0

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#72

4-Ethyltoluene

Concen: 0.36 ppbv

RT: 16.08 min Scan# 4664

Delta R.T. -0.01 min

Lab File: VL032312.D

Acq: 27 Jul 2018 2:37

Tgt Ion: 105 Resp: 248938

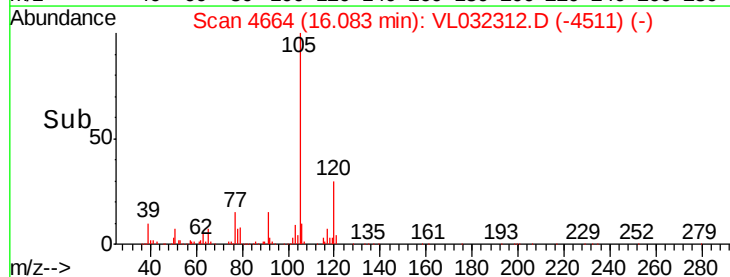
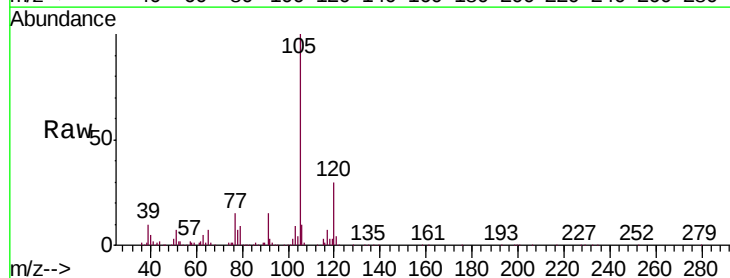
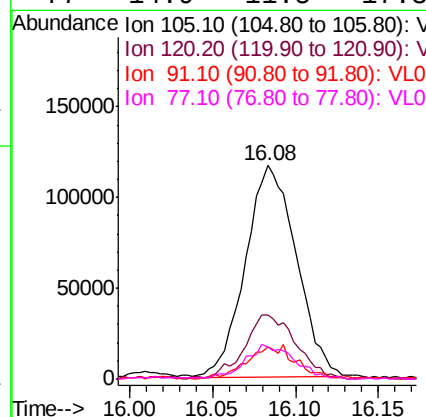
Ion Ratio Lower Upper

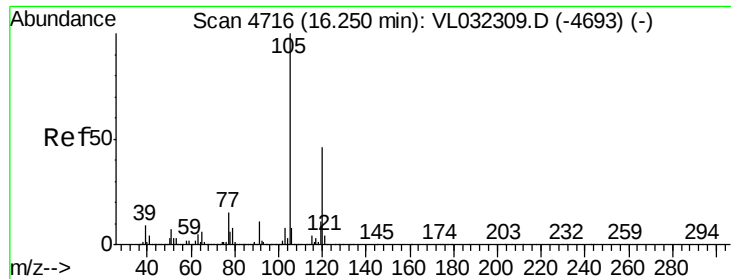
105 100

120 31.2 23.1 34.7

91 16.0 10.0 15.0#

77 14.9 11.5 17.3





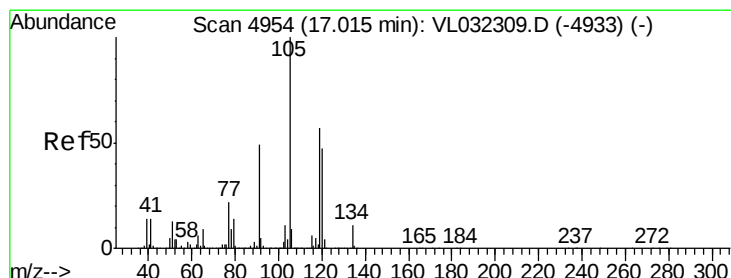
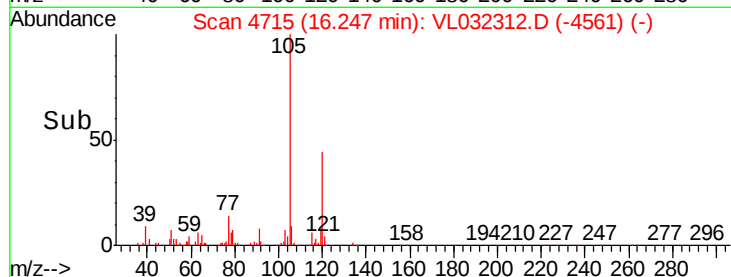
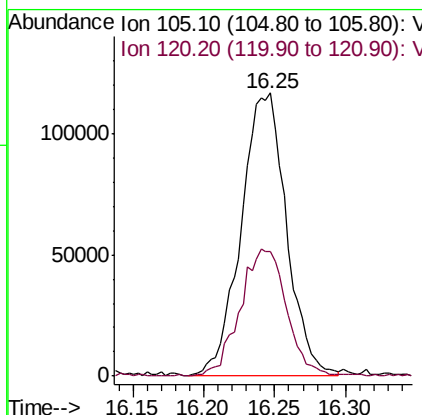
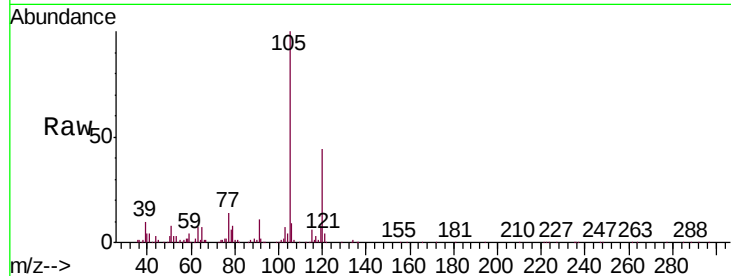
#73
 1,3,5-Trimethylbenzene
 Concen: 0.38 ppbv m
 RT: 16.25 min Scan# 4715
 Delta R.T. -0.00 min
 Lab File: VL032312.D
 Acq: 27 Jul 2018 2:37

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.2	36.5	54.7

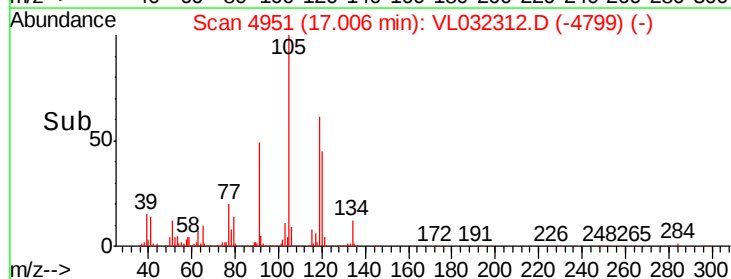
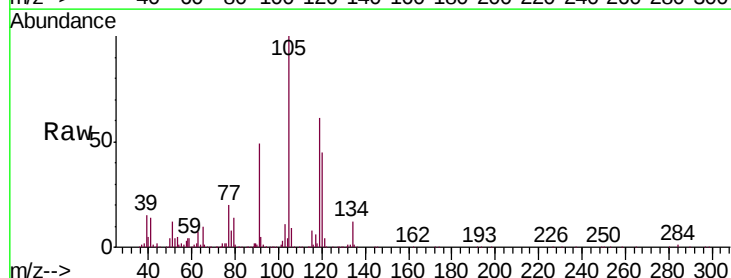
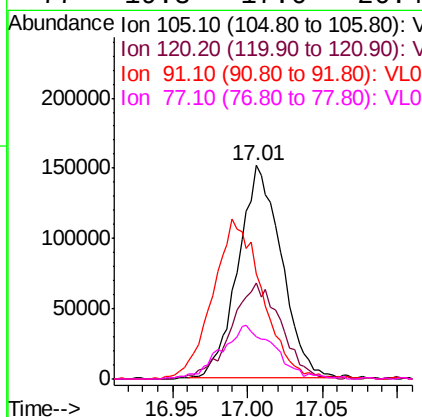
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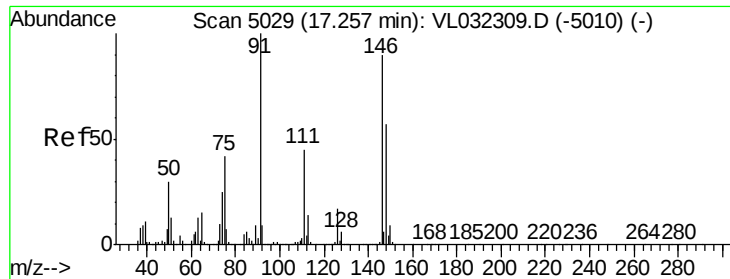
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#74
 1,2,4-Trimethylbenzene
 Concen: 0.43 ppbv
 RT: 17.01 min Scan# 4951
 Delta R.T. -0.01 min
 Lab File: VL032312.D
 Acq: 27 Jul 2018 2:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	37.8	56.6
91	48.6	39.4	59.0
77	19.3	17.6	26.4





#75

1,3-Dichlorobenzene

Concen: 0.48 ppbv m

RT: 17.26 min Scan# 5029

Delta R.T. -0.00 min

Lab File: VL032312.D

Acq: 27 Jul 2018 2:37

Instrument :

MSVOA_L

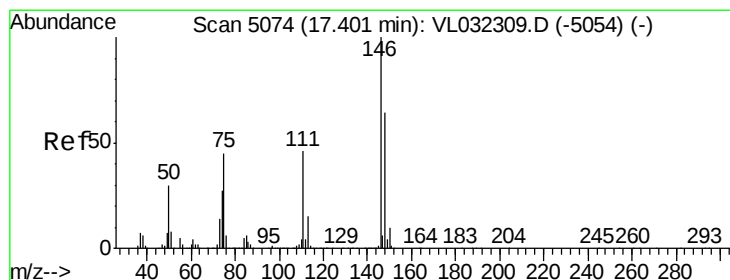
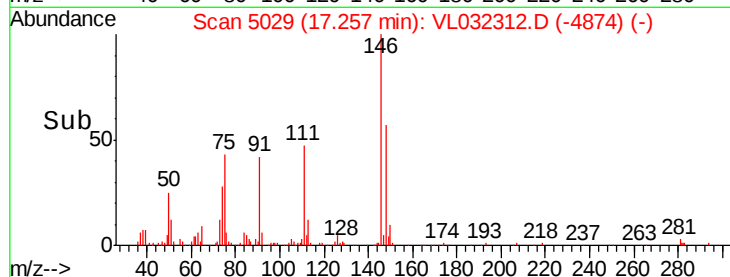
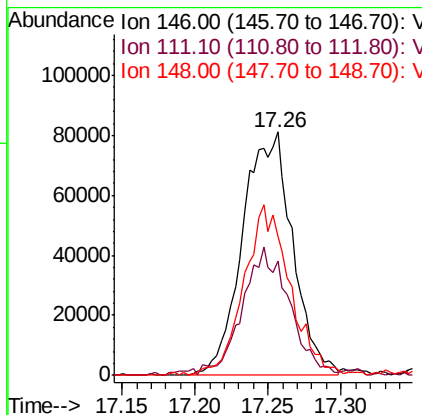
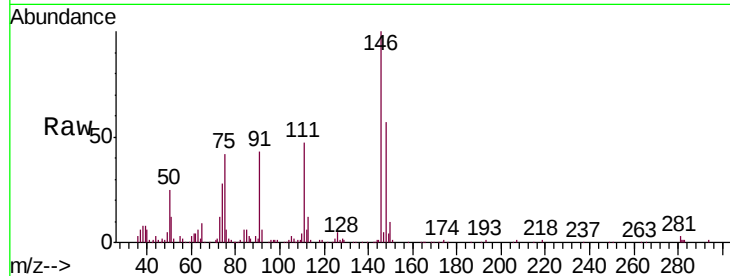
ClientSampleId :

VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.6	73.8#
148	0.0	31.6	95.0#

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#76

1,4-Dichlorobenzene

Concen: 0.43 ppbv

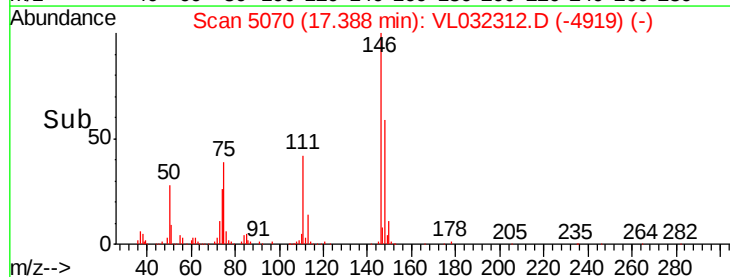
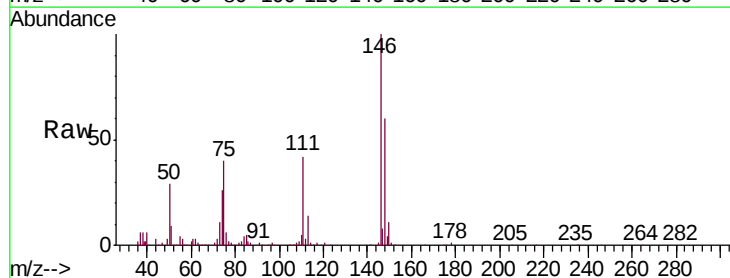
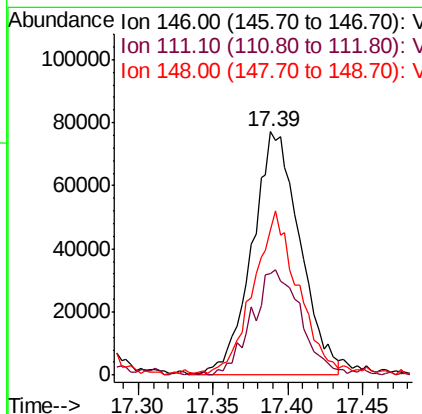
RT: 17.39 min Scan# 5070

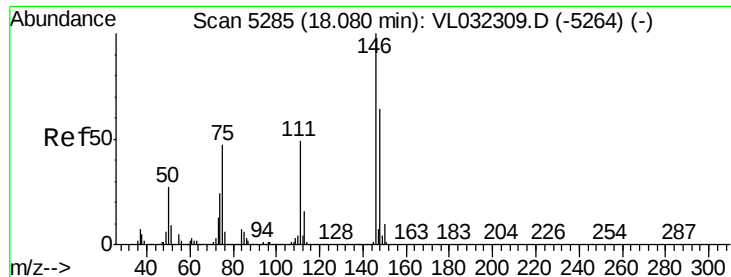
Delta R.T. -0.01 min

Lab File: VL032312.D

Acq: 27 Jul 2018 2:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	23.6	70.8
148	67.3	32.1	96.3





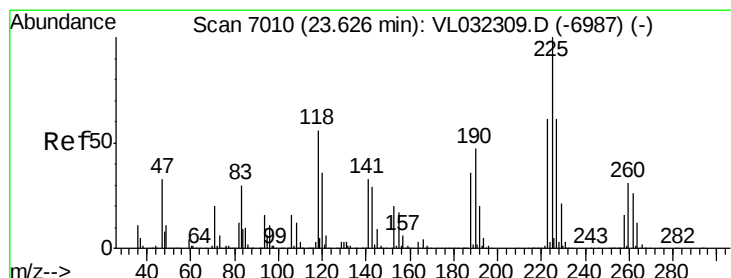
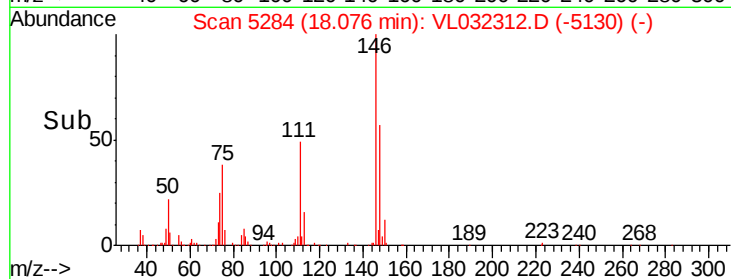
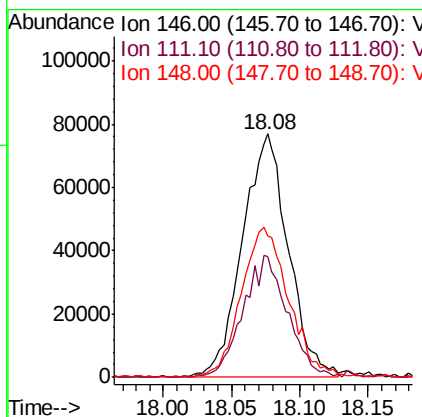
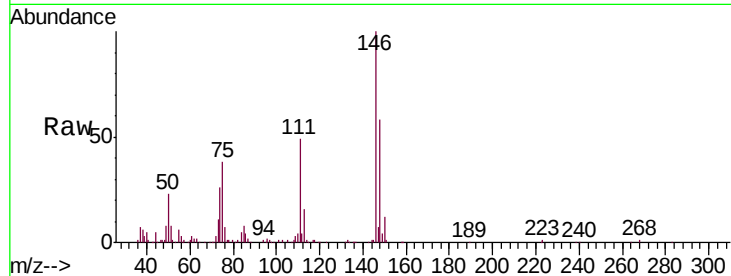
#77
 1,2-Dichlorobenzene
 Concen: 0.46 ppbv
 RT: 18.08 min Scan# 5284
 Delta R.T. -0.00 min
 Lab File: VL032312.D
 Acq: 27 Jul 2018 2:37

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.3	25.1	75.3
148	64.6	31.9	95.7

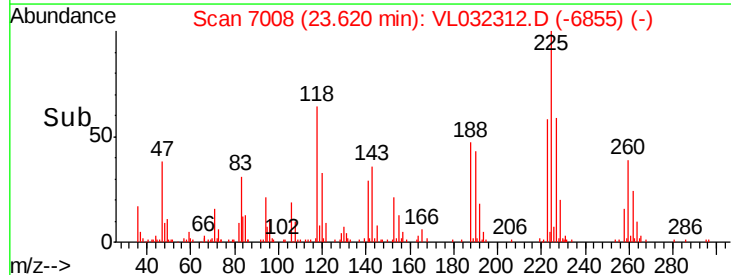
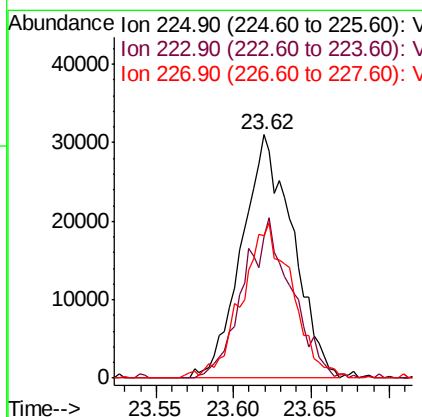
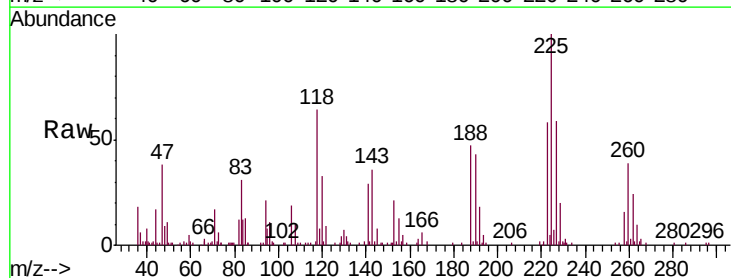
Manual Integrations
 APPROVED

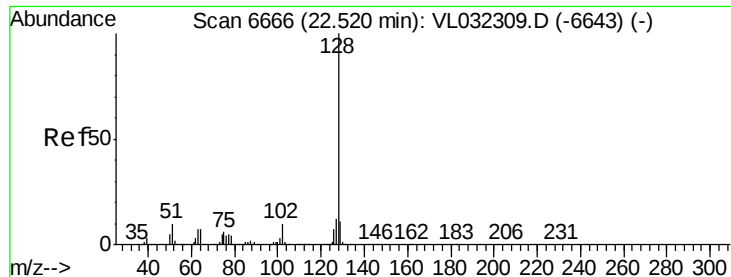
MMDadoda
 7/30/2018 11:43:00 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.56 ppbv m
 RT: 23.62 min Scan# 7008
 Delta R.T. -0.01 min
 Lab File: VL032312.D
 Acq: 27 Jul 2018 2:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.5	75.7
227	62.5	51.3	76.9





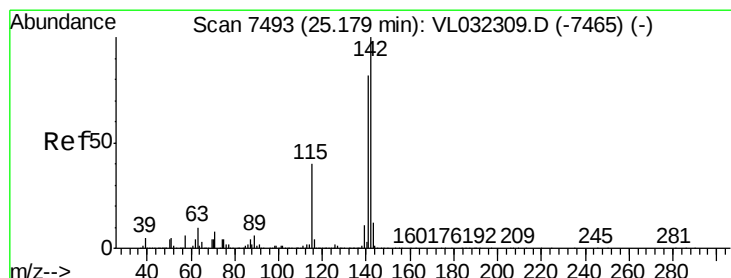
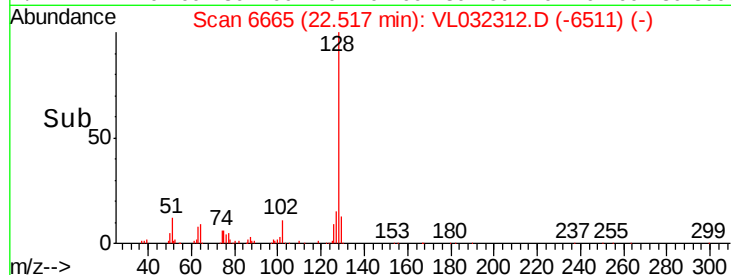
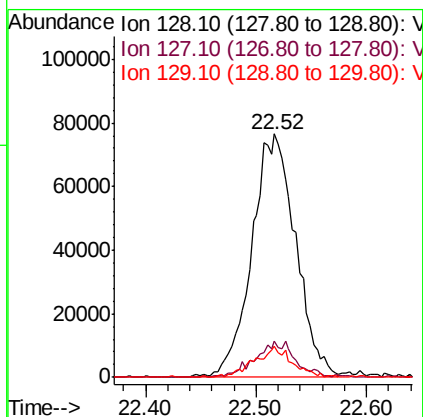
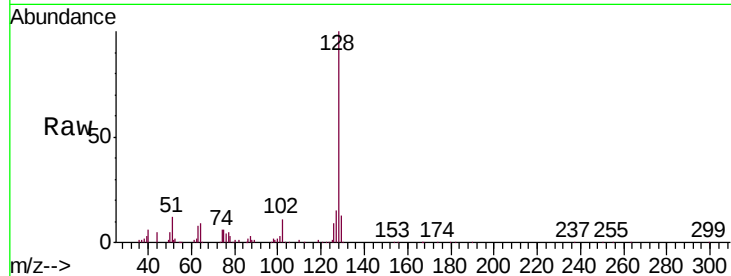
#79
Naphthalene
Concen: 0.35 ppbv m
RT: 22.52 min Scan# 6665
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.8	9.9	14.9
129	13.0	8.8	13.2

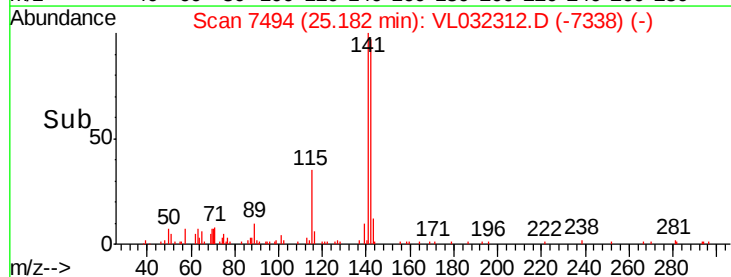
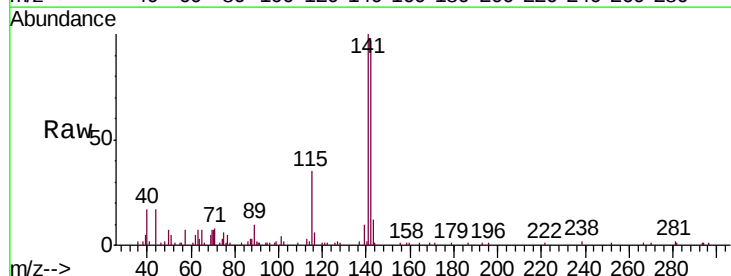
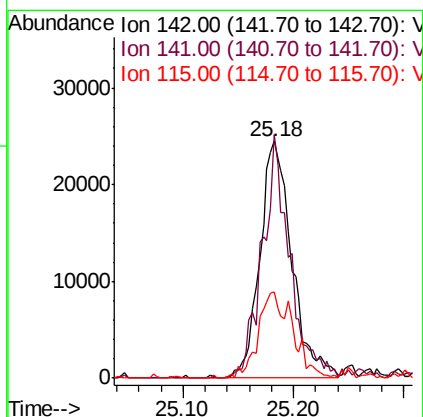
Manual Integrations
APPROVED

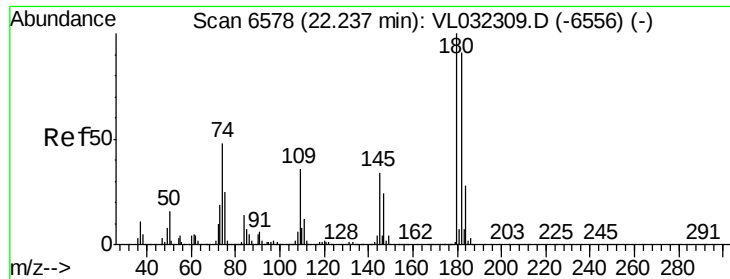
MMDadoda
7/30/2018 11:43:00 AM



#80
Naphthalene, 2-methyl-
Concen: 0.19 ppbv
RT: 25.18 min Scan# 7494
Delta R.T. 0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.9	66.7	100.1
115	39.2	31.1	46.7





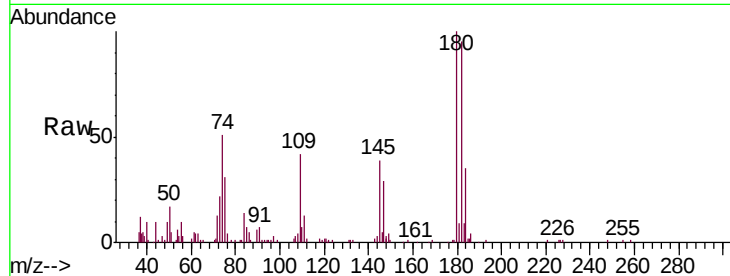
#81
 1,2,4-Trichlorobenzene
 Concen: 0.38 ppbv m
 RT: 22.24 min Scan# 6579
 Delta R.T. 0.00 min
 Lab File: VL032312.D
 Acq: 27 Jul 2018 2:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.6	76.2	114.2
184	33.2	24.3	36.5

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 11:43:00 AM



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

