

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\
 Data File : VL032921.D
 Acq On : 7 Dec 2018 4:19
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 10:07:59 AM

Quant Time: Dec 07 06:01:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 2018
 QLast Update : Fri Dec 07 05:41:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1188175	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3221788	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3117268	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2282888	10.03	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	359006	2.204	ppbv	99
3) Chlorodifluoromethane	3.02	51	197081	2.126	ppbv	97
4) Chloromethane	3.17	50	111524	2.041	ppbv	93
5) Vinyl Chloride	3.29	62	106403	1.988	ppbv	92
6) Bromomethane	3.52	94	71500	2.061	ppbv	92
7) Chloroethane	3.61	64	39894	1.924	ppbv #	87
8) Dichlorotetrafluoroethane	3.22	85	284726	2.147	ppbv	99
9) Propene	3.04	41	81396	2.194	ppbv	97
10) Heptane	8.25	43	296768	2.103	ppbv	99
11) Trichlorofluoromethane	4.01	101	319759	1.982	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.56	101	276424	2.254	ppbv	98
13) Ethanol	3.66	45	30598	2.436	ppbv	98
14) Bromoethene	3.79	108	87587	1.951	ppbv	99
15) Acetone	3.91	43	232901	2.196	ppbv	97
16) 1,3-Butadiene	3.36	39	93858	2.217	ppbv	94
17) tert-Butyl alcohol	4.38	59	48059	1.632	ppbv #	82
18) 1,1-Dichloroethene	4.36	96	96309	1.808	ppbv	94
19) Isopropyl Alcohol	4.04	45	134499	1.753	ppbv #	97
20) Methylene Chloride	4.41	84	92363	1.550	ppbv	97
21) Allyl Chloride	4.48	41	172478	2.205	ppbv	98
22) trans-1,2-Dichloroethene	4.97	96	142081	2.208	ppbv	94
23) Vinyl Acetate	5.16	43	384999	1.926	ppbv	97
24) 1,1-Dichloroethane	5.09	63	319475	2.077	ppbv	99
25) Ethyl Acetate	5.78	43	498187	1.991	ppbv	99
26) Hexane	5.78	57	229484	1.953	ppbv	98
27) Carbon Disulfide	4.62	76	284979	1.918	ppbv	98
28) Methyl tert-Butyl Ether	5.12	73	378898	2.013	ppbv	98
29) Chloroform	5.85	83	414586	2.125	ppbv	99
30) Cyclohexane	7.25	84	199368	2.078	ppbv #	82
31) cis-1,2-Dichloroethene	5.64	61	224268	2.098	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	439733	2.013	ppbv	99
34) 2-Butanone	5.34	43	299639	1.879	ppbv	100
35) Carbon Tetrachloride	7.14	117	480966	2.007	ppbv	94
36) Benzene	7.01	78	492085	1.950	ppbv	97
37) 1,2-Dichloroethane	6.42	62	327670	2.019	ppbv	100
38) Trichloroethene	7.96	130	195446	1.944	ppbv	98
39) 1,2-Dichloropropane	7.74	63	182253	1.970	ppbv	92
40) 1,4-Dioxane	7.98	88	70608m	2.021	ppbv	
41) Tetrahydrofuran	6.16	42	184288	2.029	ppbv	98
42) Bromodichloromethane	7.92	83	455700	2.019	ppbv	99
43) Methyl Methacrylate	8.15	69	180080	1.930	ppbv	97

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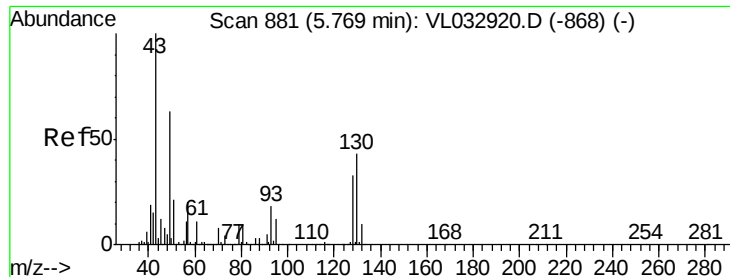
Manual Integrations
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 12/11/2018 10:07:59 AM

Quant Time: Dec 07 06:01:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 06:01:23 2018
 QLast Update : Fri Dec 07 05:41:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	855744	2.078	ppbv	100
45) t-1,3-Dichloropropene	9.43	75	206884	1.688	ppbv	92
46) cis-1,3-Dichloropropene	8.84	75	280910	2.022	ppbv	96
47) 1,1,2-Trichloroethane	9.62	97	203668	1.863	ppbv	97
48) Dibromochloromethane	10.45	129	376978	1.866	ppbv	99
49) Bromoform	13.20	173	308760	1.821	ppbv	98
50) 4-Methyl-2-Pentanone	8.88	43	495047	2.122	ppbv	99
51) 2-Hexanone	10.29	43	319506	1.852	ppbv #	98
52) Tetrachloroethene	11.38	164	171978	1.821	ppbv	94
53) Toluene	9.95	91	528208	1.847	ppbv	100
54) 1,2-Dibromoethane	10.76	107	322367	1.977	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	282517m	2.006	ppbv	
57) Chlorobenzene	12.31	112	448771	1.928	ppbv	96
58) Ethyl Benzene	12.87	91	726521	2.045	ppbv	99
59) m/p-Xylene	13.13	91	1301459m	4.058	ppbv	
60) o-Xylene	13.86	91	691111	2.206	ppbv	99
61) Styrene	13.69	104	439815	2.102	ppbv	98
62) Isopropylbenzene	14.84	105	909612	2.046	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	494683	2.094	ppbv	100
64) n-propylbenzene	15.72	120	234352	2.091	ppbv	95
65) tert-Butylbenzene	16.92	119	819167	2.148	ppbv	97
66) Benzyl Chloride	17.17	91	451544m	2.233	ppbv	
67) sec-Butylbenzene	17.47	105	1261628	2.333	ppbv	100
69) p-Isopropyltoluene	17.82	119	1052632	2.449	ppbv	98
70) n-Butylbenzene	18.72	91	956081	2.261	ppbv	98
71) 2-Chlorotoluene	15.62	91	686891	2.139	ppbv	99
72) 4-Ethyltoluene	16.01	105	767946	2.323	ppbv	98
73) 1,3,5-Trimethylbenzene	16.16	105	752943	2.364	ppbv	97
74) 1,2,4-Trimethylbenzene	16.93	105	778681	2.248	ppbv	97
75) 1,3-Dichlorobenzene	17.17	146	478606	2.359	ppbv	100
76) 1,4-Dichlorobenzene	17.32	146	434587	2.287	ppbv	98
77) 1,2-Dichlorobenzene	18.00	146	445708	2.330	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	239839	1.985	ppbv	99
79) Naphthalene	22.42	128	587547	2.869	ppbv	99
80) Naphthalene,2-methyl-	25.13	142	102391	2.237	ppbv	98
81) 1,2,4-Trichlorobenzene	22.15	180	285551	2.644	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL032921.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 49 Resp: 1188175

Ion Ratio Lower Upper

49 100

128 52.5 26.3 78.8

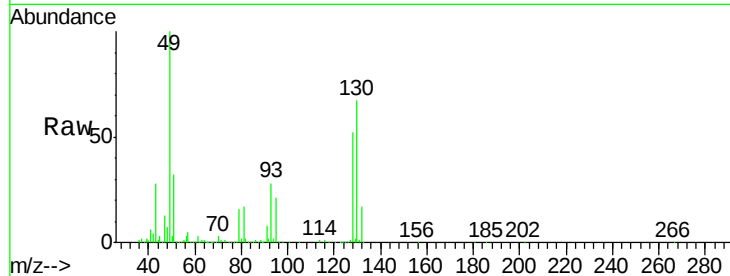
130 67.1 33.9 101.7

Manual Integrations

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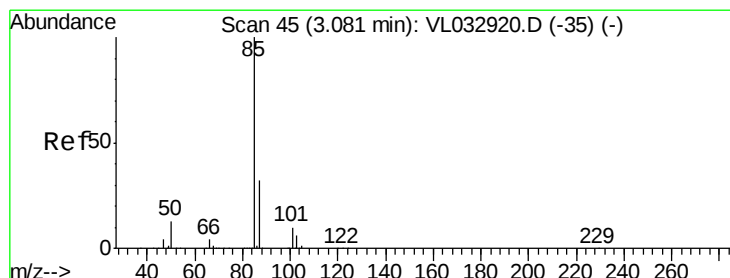
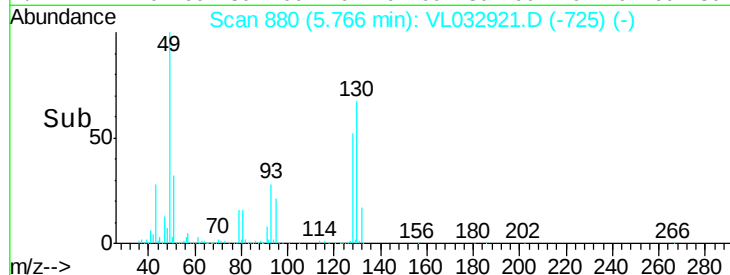
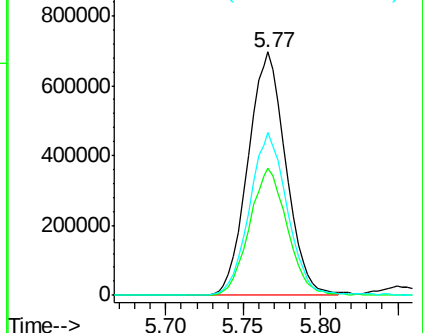
12/11/2018 10:07:59 AM



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: 2.204 ppbv

RT: 3.08 min Scan# 44

Delta R.T. -0.00 min

Lab File: VL032921.D

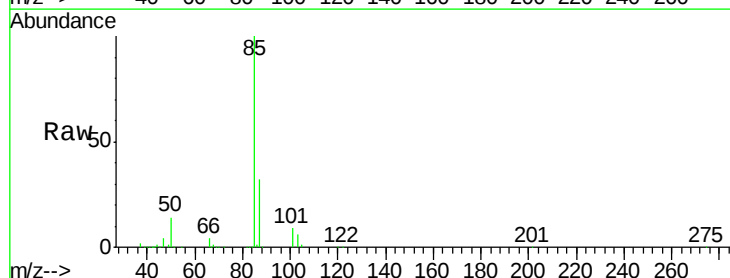
Acq: 7 Dec 2018 4:19

Tgt Ion: 85 Resp: 359006

Ion Ratio Lower Upper

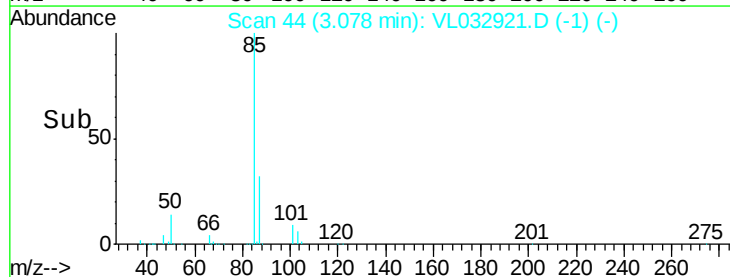
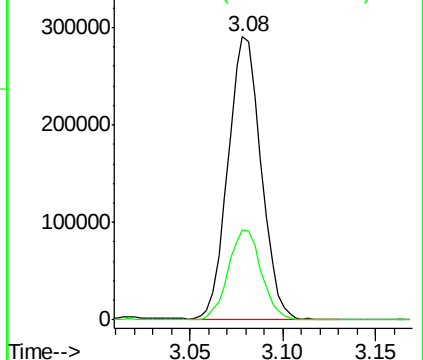
85 100

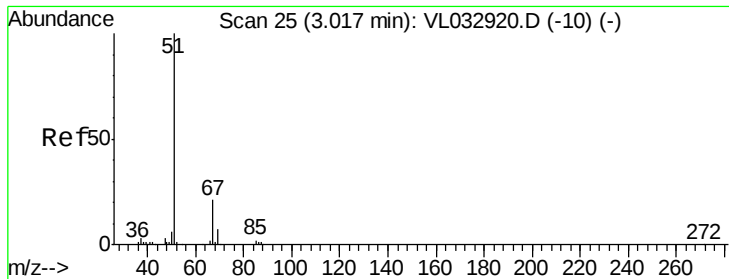
87 31.7 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.126 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL032921.D

Acq: 7 Dec 2018 4:19

Tgt Ion: 51 Resp: 197081

Ion Ratio Lower Upper

51 100

67 19.8 16.8 25.2

Instrument :

MSVOA_L

ClientSampleId :

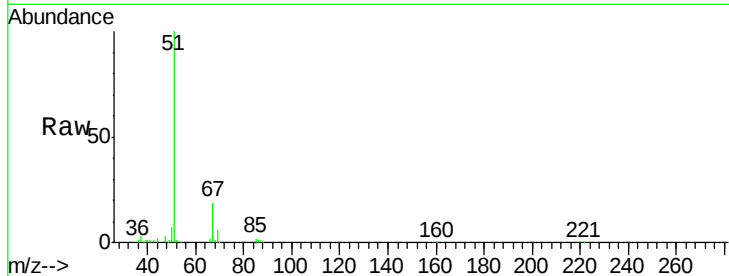
VSTDIC002

Manual Integrations

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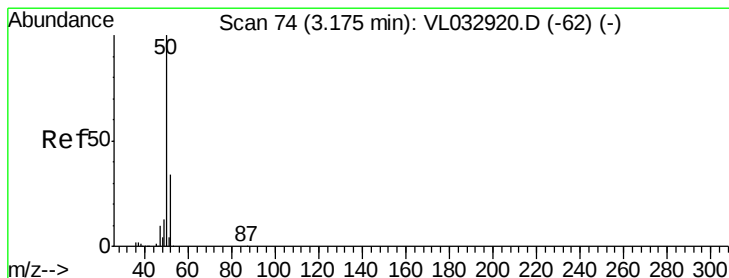
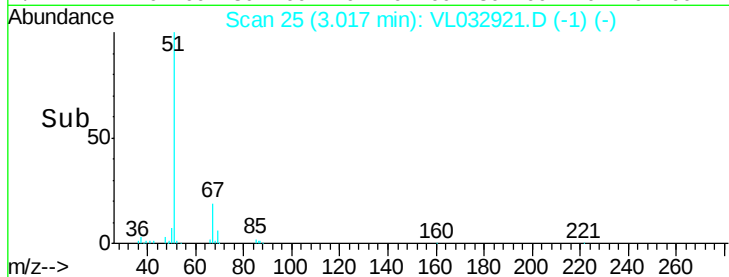
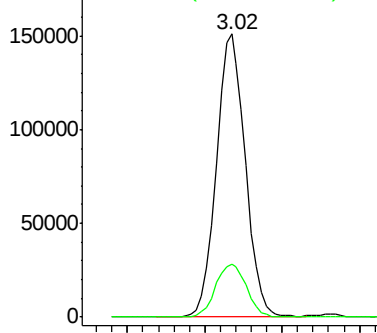
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 2.041 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL032921.D

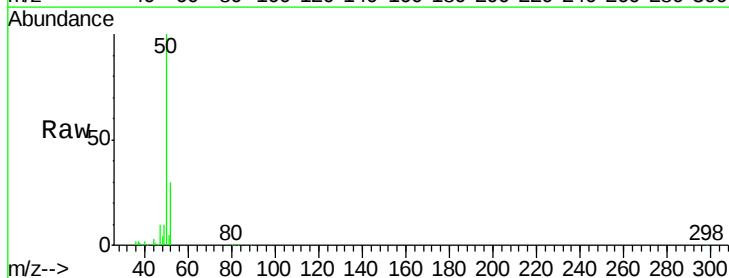
Acq: 7 Dec 2018 4:19

Tgt Ion: 50 Resp: 111524

Ion Ratio Lower Upper

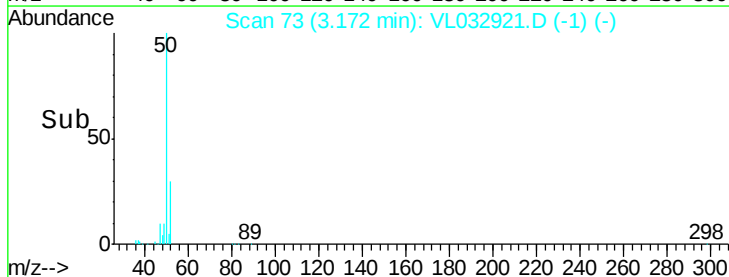
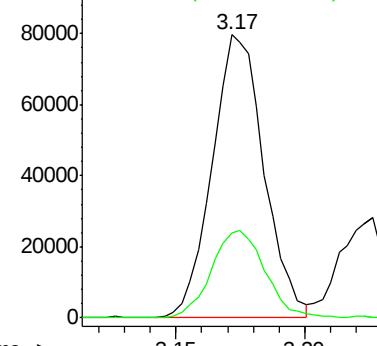
50 100

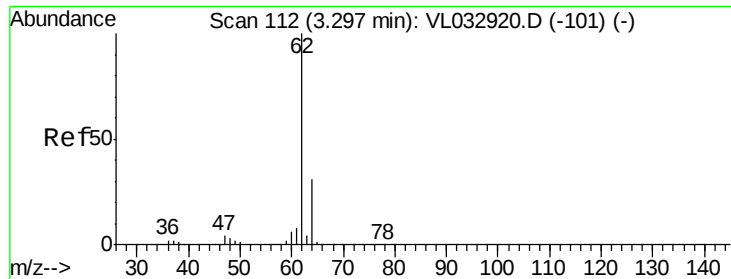
52 30.2 27.3 40.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 1.988 ppbv

RT: 3.29 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL032921.D

Acq: 7 Dec 2018 4:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 62 Resp: 106403

Ion Ratio Lower Upper

62 100

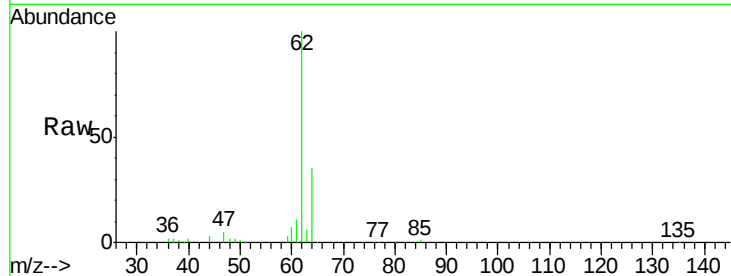
64 35.3 24.8 37.2

Manual Integrations

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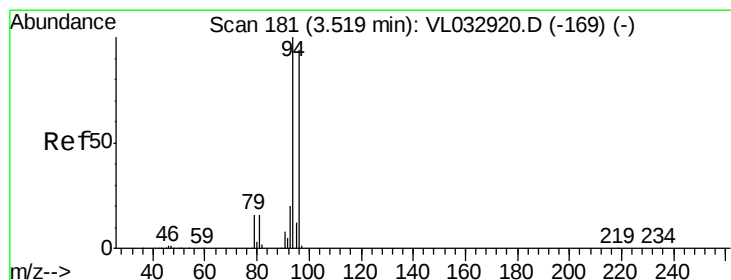
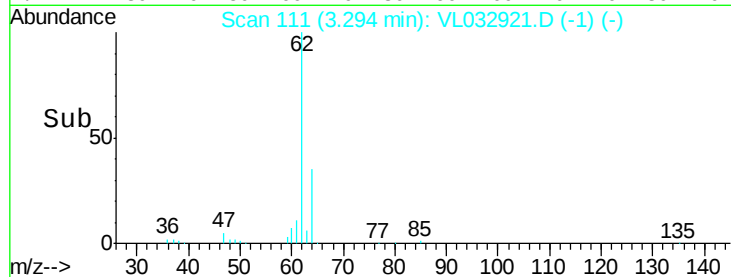
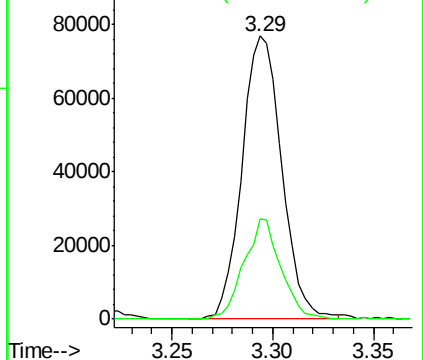
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 2.061 ppbv

RT: 3.52 min Scan# 181

Delta R.T. 0.00 min

Lab File: VL032921.D

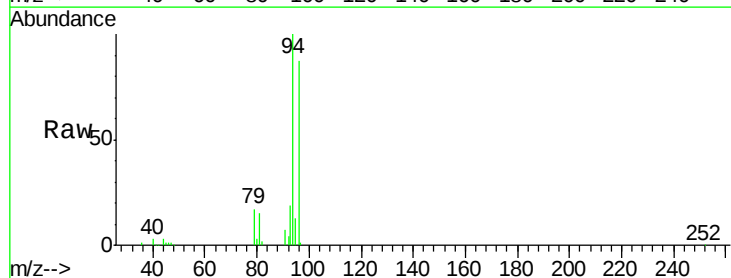
Acq: 7 Dec 2018 4:19

Tgt Ion: 94 Resp: 71500

Ion Ratio Lower Upper

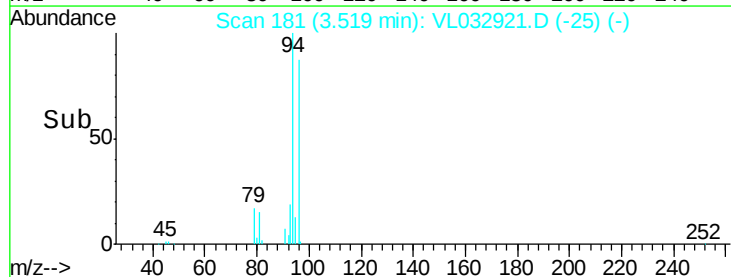
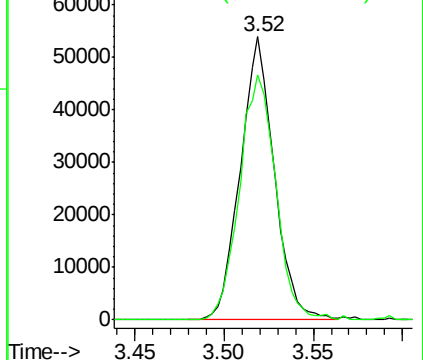
94 100

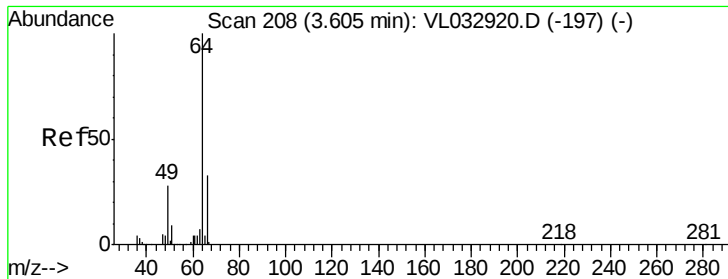
96 86.6 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.924 ppbv

RT: 3.61 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL032921.D

Acq: 7 Dec 2018 4:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 64 Resp: 39894

Ion Ratio Lower Upper

64 100

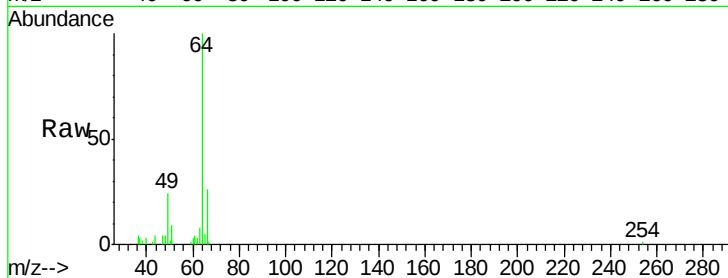
66 26.1 26.6 40.0#

Manual Integrations

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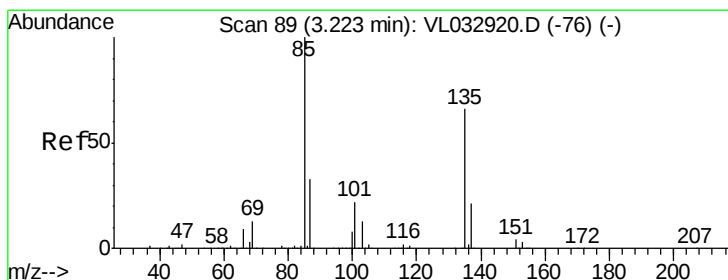
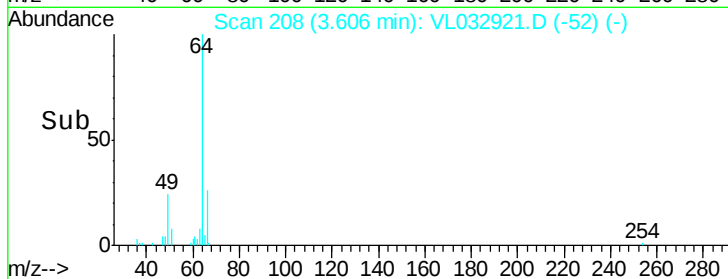
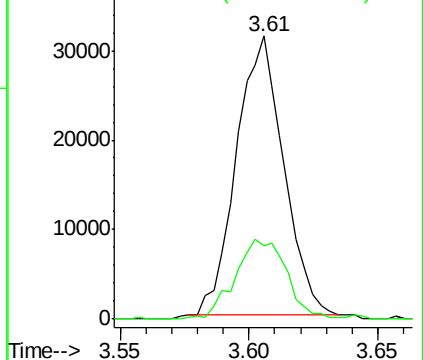
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 2.147 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL032921.D

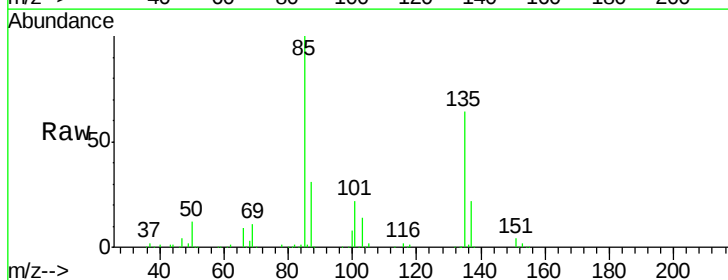
Acq: 7 Dec 2018 4:19

Tgt Ion: 85 Resp: 284726

Ion Ratio Lower Upper

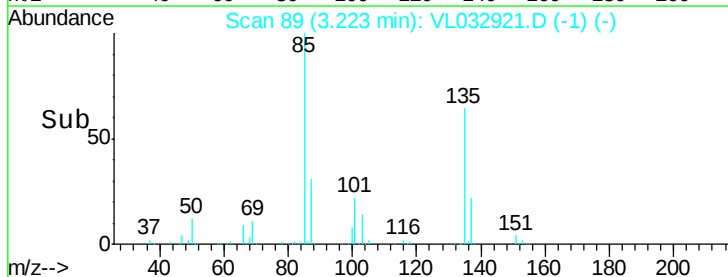
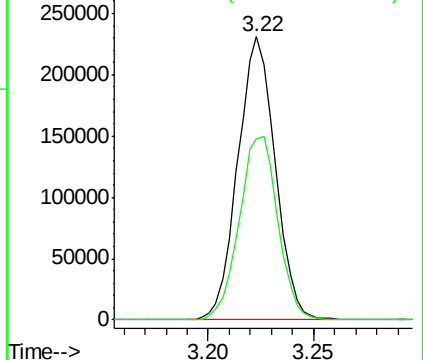
85 100

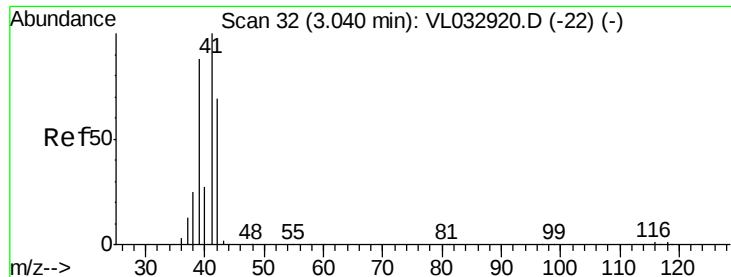
135 67.1 54.5 81.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 2.194 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.00 min

Lab File: VL032921.D

Acq: 7 Dec 2018 4:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 41 Resp: 81396

Ion Ratio Lower Upper

41 100

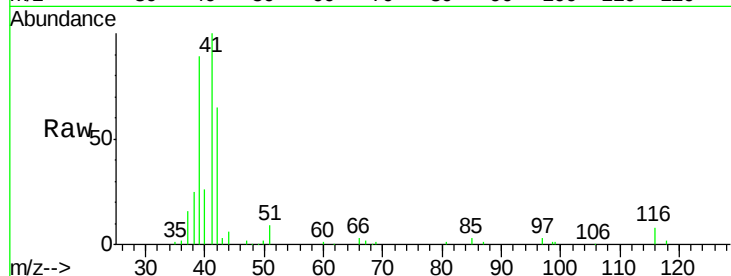
42 68.0 56.2 84.2

Manual Integrations

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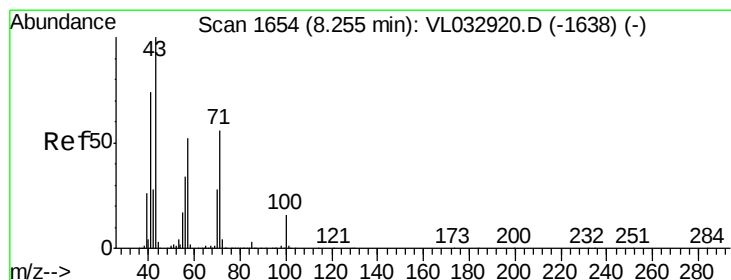
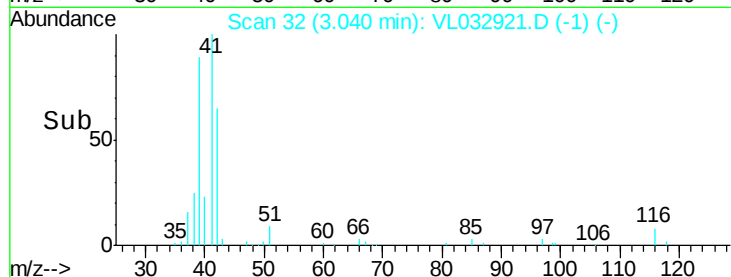
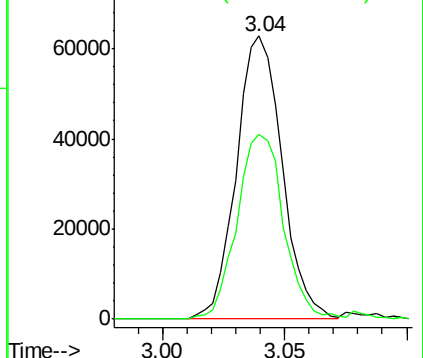
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 2.103 ppbv

RT: 8.25 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VL032921.D

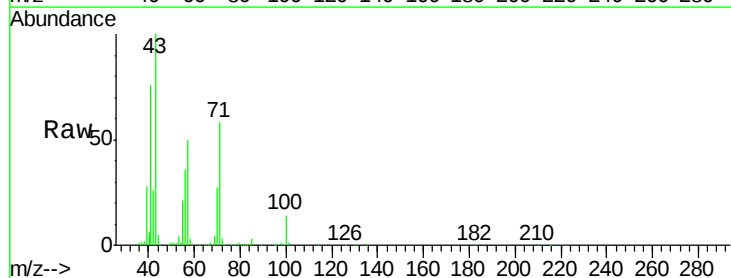
Acq: 7 Dec 2018 4:19

Tgt Ion: 43 Resp: 296768

Ion Ratio Lower Upper

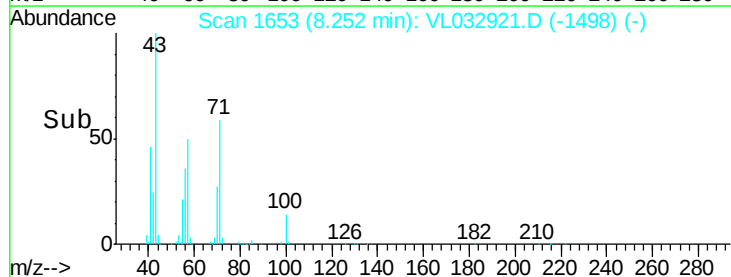
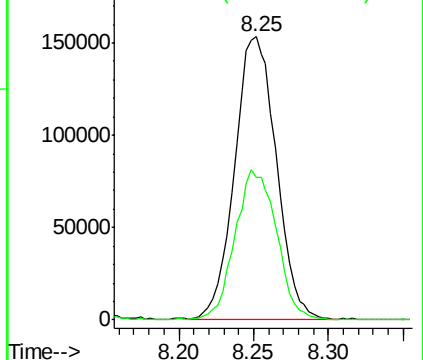
43 100

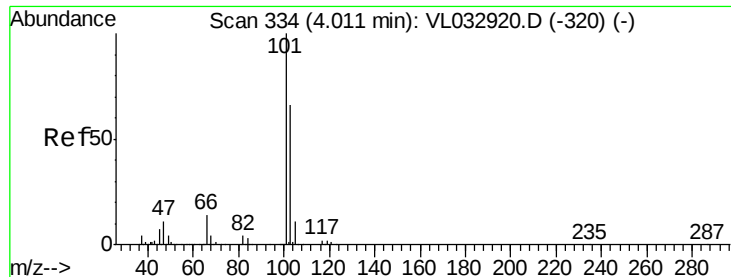
57 52.9 41.8 62.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





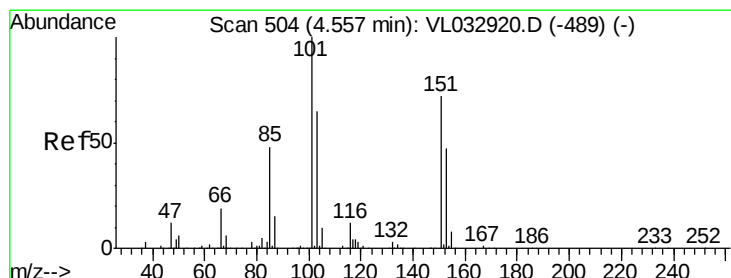
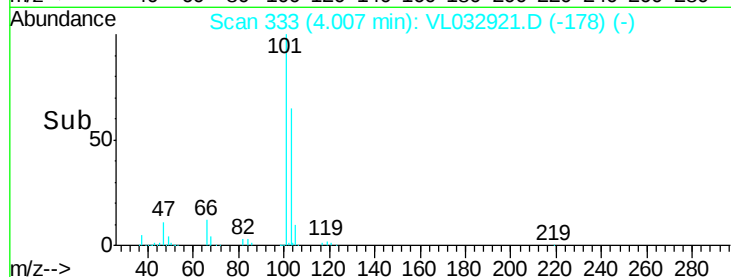
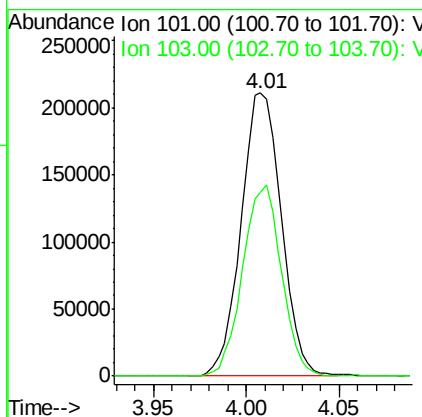
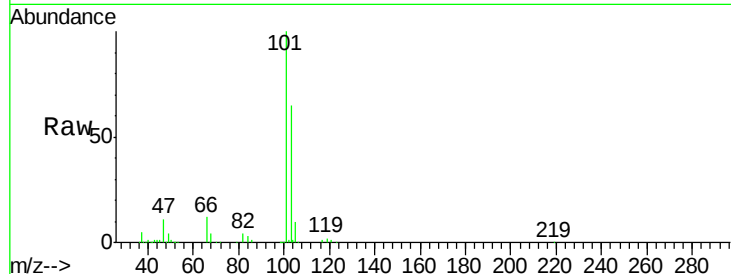
#11
 Trichlorofluoromethane
 Concen: 1.982 ppbv
 RT: 4.01 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VL032921.D
 Acq: 7 Dec 2018 4:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:101 Resp: 319759
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.7 79.1

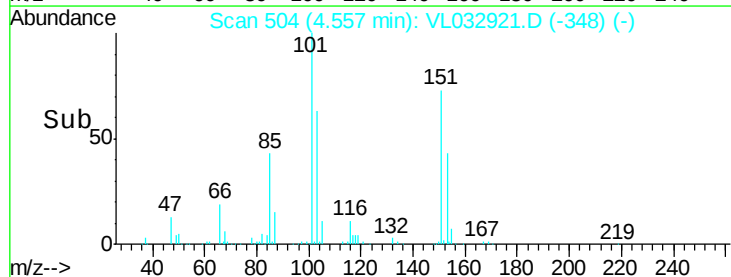
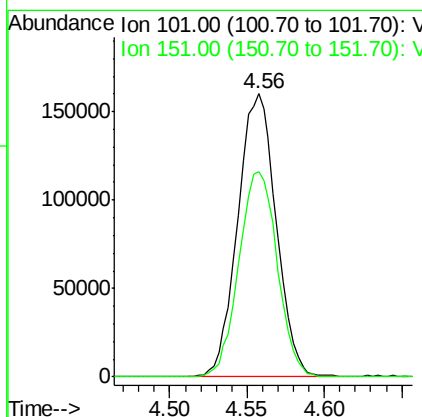
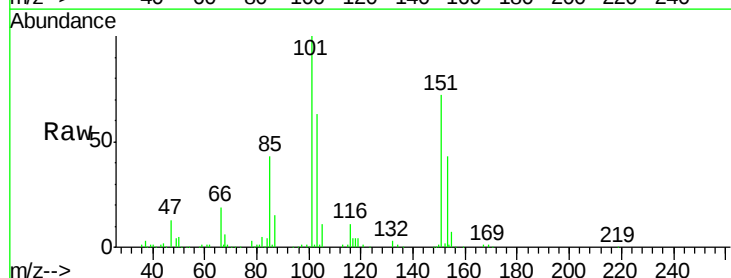
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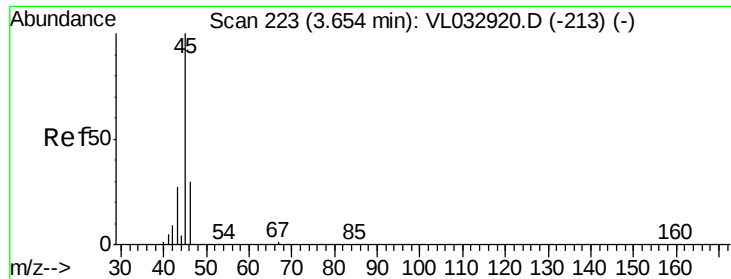
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.254 ppbv
 RT: 4.56 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VL032921.D
 Acq: 7 Dec 2018 4:19

Tgt Ion:101 Resp: 276424
 Ion Ratio Lower Upper
 101 100
 151 72.5 59.3 88.9





#13

Ethanol

Concen: 2.436 ppbv

RT: 3.66 min Scan# 225

Delta R.T. 0.01 min

Lab File: VL032921.D

Acq: 7 Dec 2018 4:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 45 Resp: 30598

Ion Ratio Lower Upper

45 100

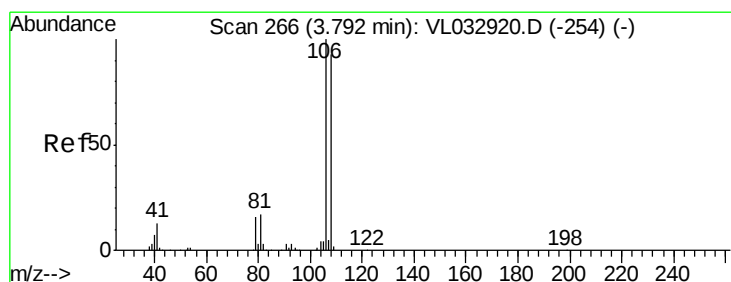
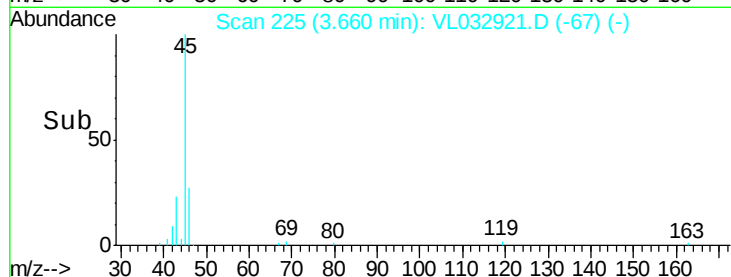
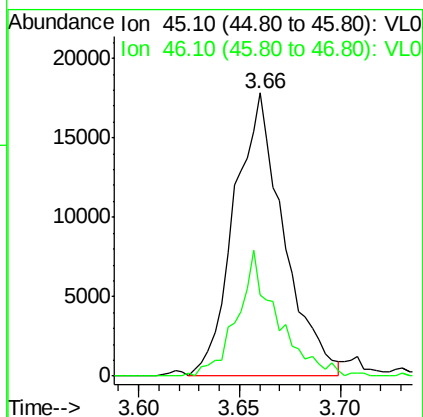
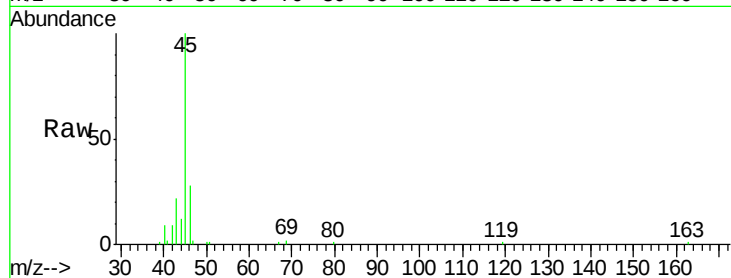
46 35.8 13.8 55.4

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#14

Bromoethene

Concen: 1.951 ppbv

RT: 3.79 min Scan# 266

Delta R.T. 0.00 min

Lab File: VL032921.D

Acq: 7 Dec 2018 4:19

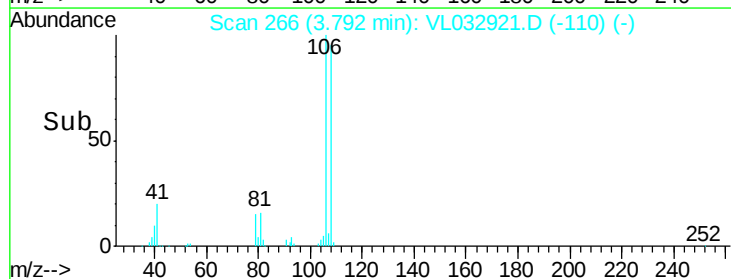
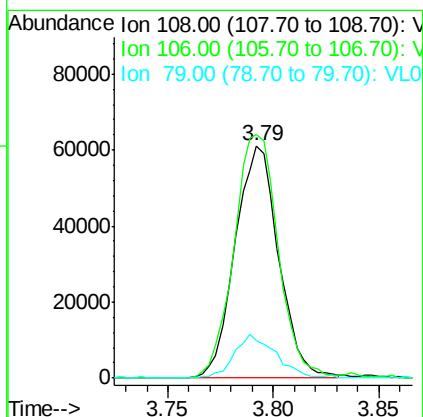
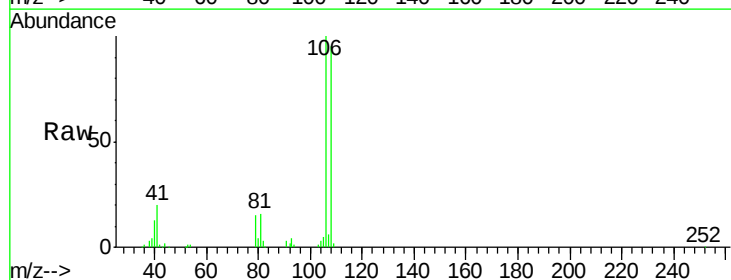
Tgt Ion: 108 Resp: 87587

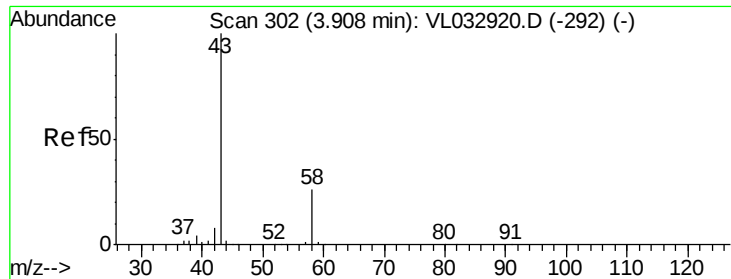
Ion Ratio Lower Upper

108 100

106 108.2 85.4 128.2

79 18.0 14.6 21.8





#15

Acetone

Concen: 2.196 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.00 min

Lab File: VL032921.D

Acq: 7 Dec 2018 4:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 232901

Ion Ratio Lower Upper

43 100

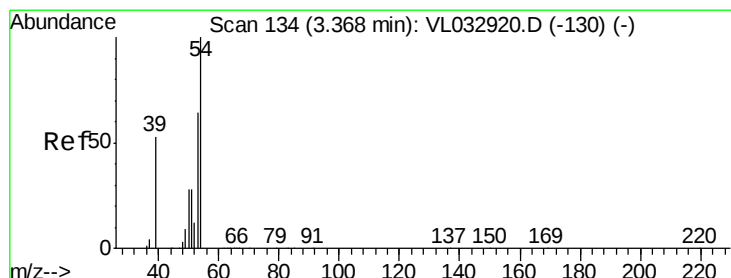
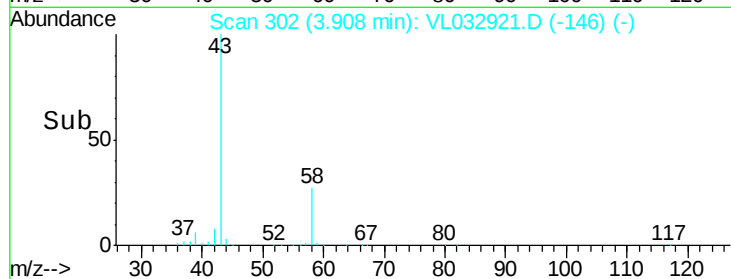
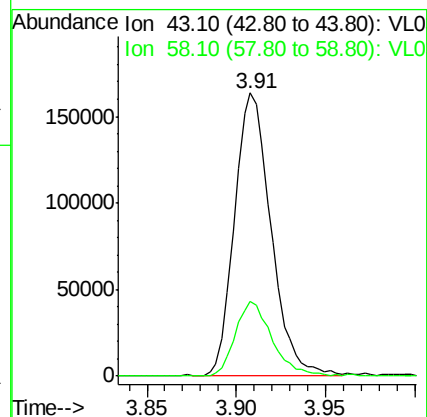
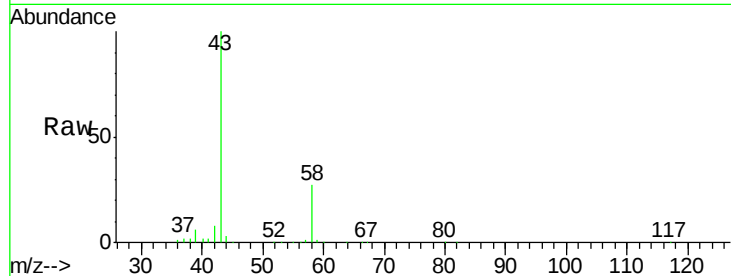
58 27.0 20.6 30.8

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#16

1,3-Butadiene

Concen: 2.217 ppbv

RT: 3.36 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL032921.D

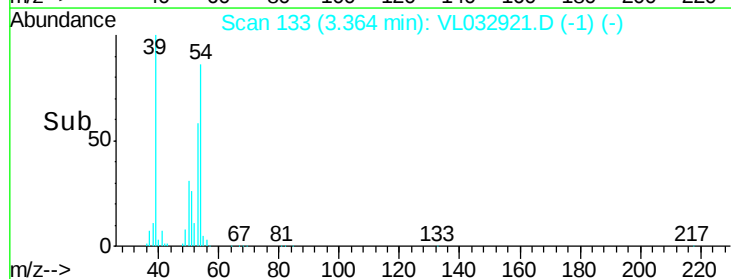
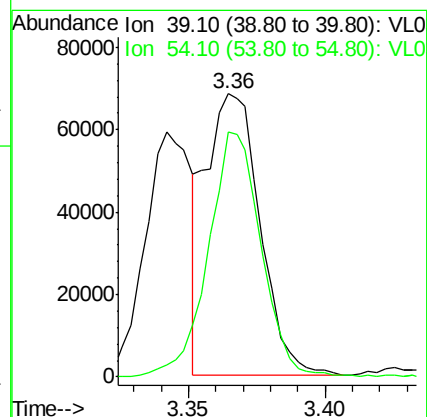
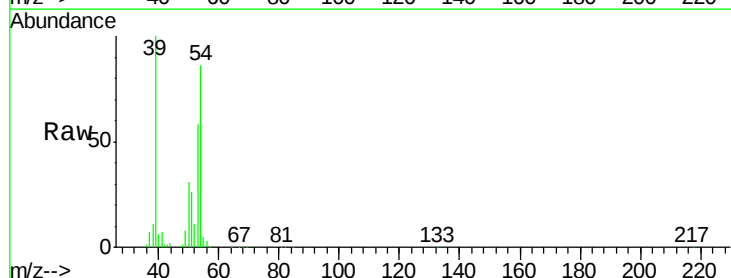
Acq: 7 Dec 2018 4:19

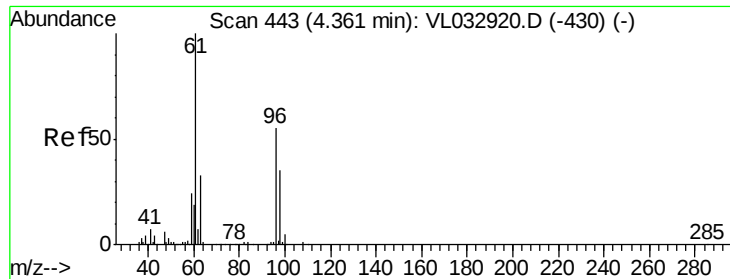
Tgt Ion: 39 Resp: 93858

Ion Ratio Lower Upper

39 100

54 85.7 72.7 109.1





#17

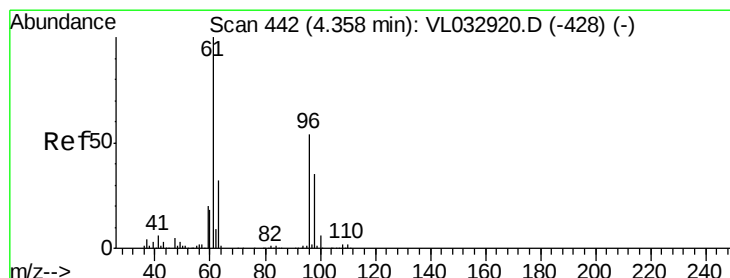
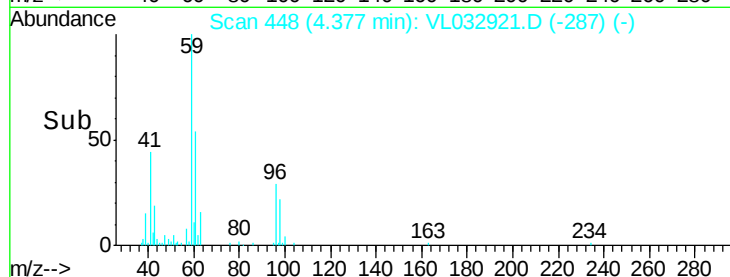
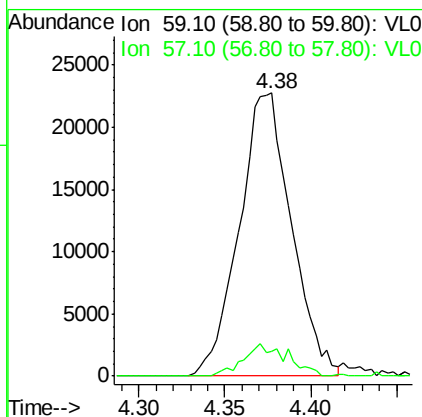
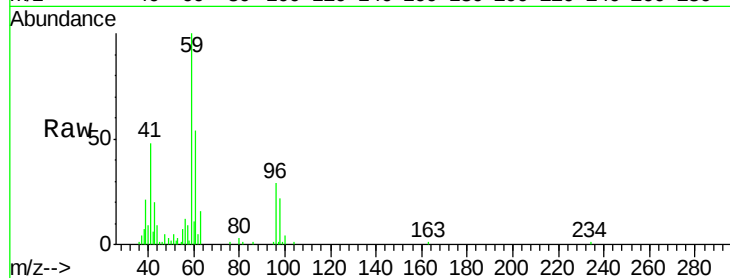
tert-Butyl alcohol
Concen: 1.632 ppbv
RT: 4.38 min Scan# 448
Delta R.T. 0.02 min
Lab File: VL032921.D
Acq: 7 Dec 2018 4:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 59 Resp: 48059
Ion Ratio Lower Upper
59 100
57 9.8 0.6 1.0#

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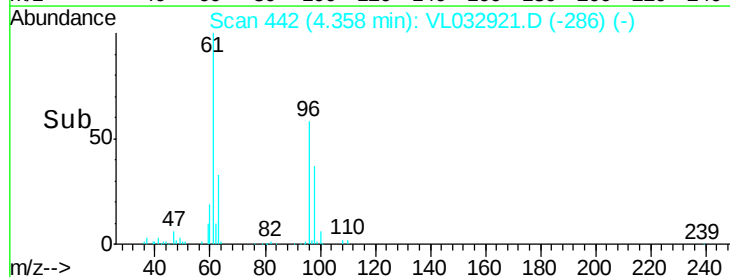
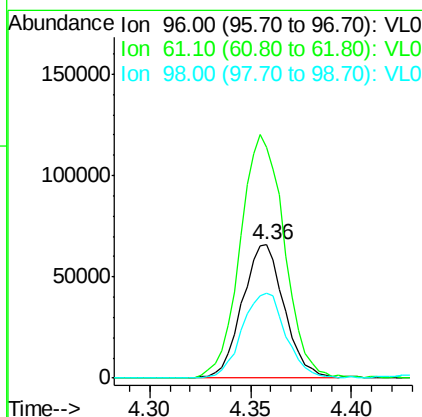
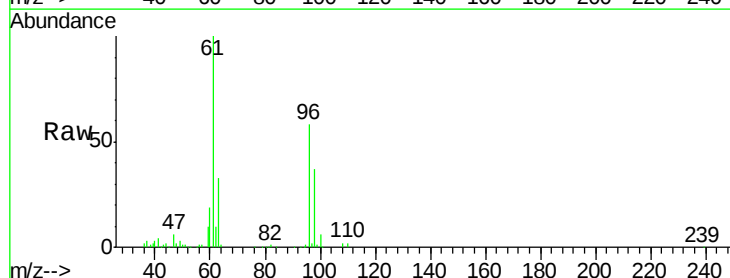
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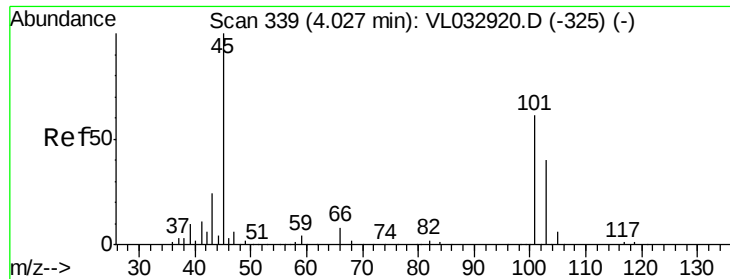


#18

1,1-Dichloroethene
Concen: 1.808 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.00 min
Lab File: VL032921.D
Acq: 7 Dec 2018 4:19

Tgt Ion: 96 Resp: 96309
Ion Ratio Lower Upper
96 100
61 173.2 147.0 220.4
98 63.9 50.7 76.1





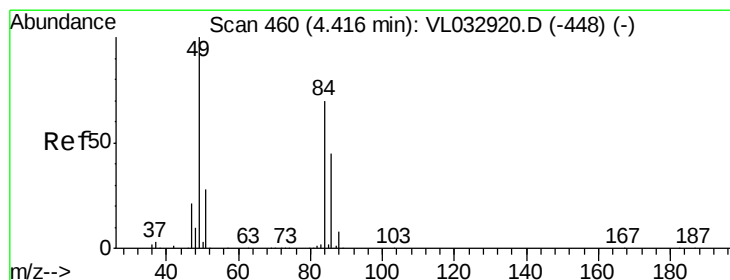
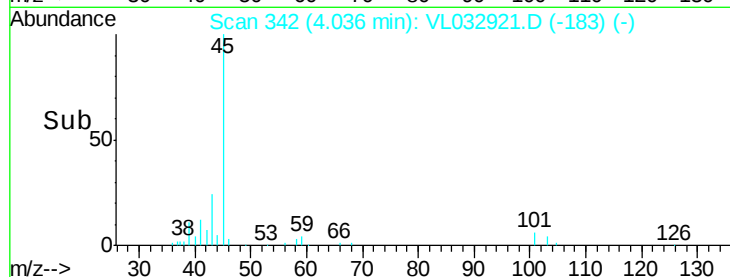
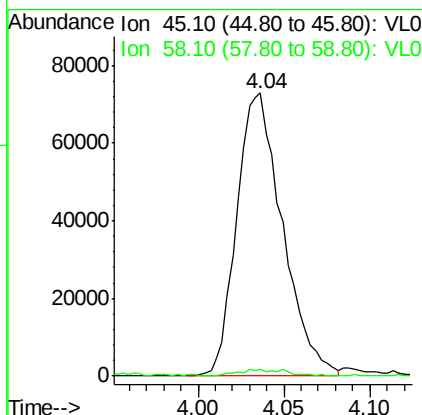
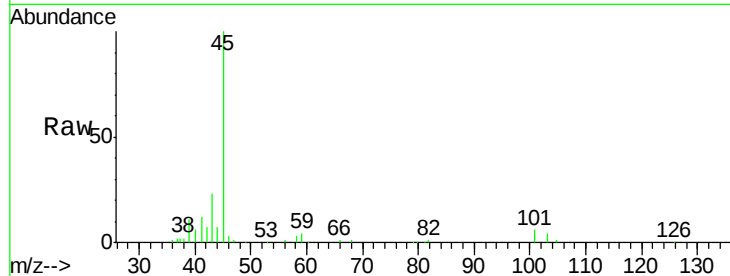
#19
Isopropyl Alcohol
Concen: 1.753 ppbv
RT: 4.04 min Scan# 342
Delta R.T. 0.01 min
Lab File: VL032921.D
Acq: 7 Dec 2018 4:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 45 Resp: 134499
Ion Ratio Lower Upper
45 100
58 2.8 1.4 2.2#

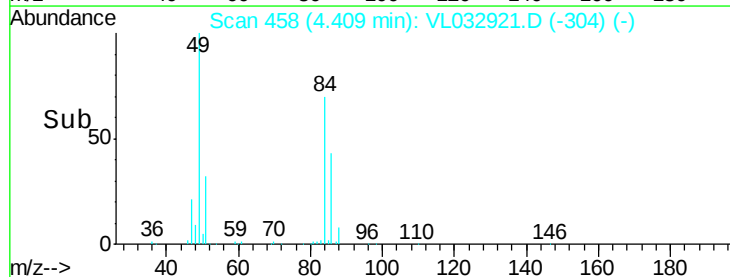
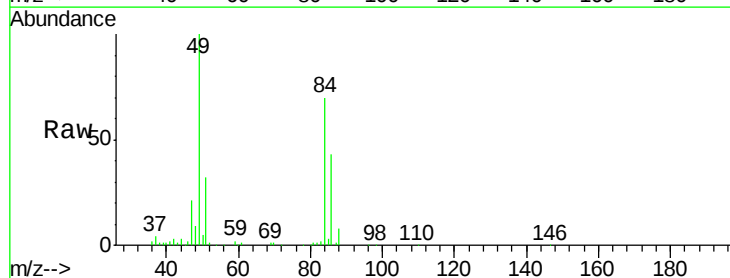
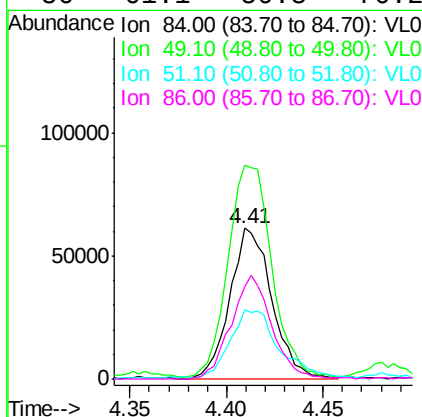
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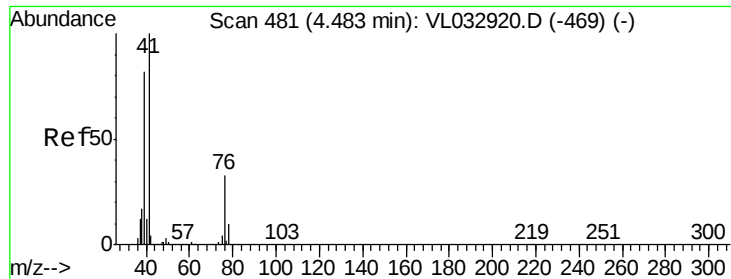
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#20
Methylene Chloride
Concen: 1.550 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.01 min
Lab File: VL032921.D
Acq: 7 Dec 2018 4:19

Tgt Ion: 84 Resp: 92363
Ion Ratio Lower Upper
84 100
49 140.4 113.8 170.8
51 44.6 31.8 47.8
86 61.1 50.8 76.2





#21

Allyl Chloride

Concen: 2.205 ppbv

RT: 4.48 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL032921.D

Acq: 7 Dec 2018 4:19

Instrument :

MSVOA_L

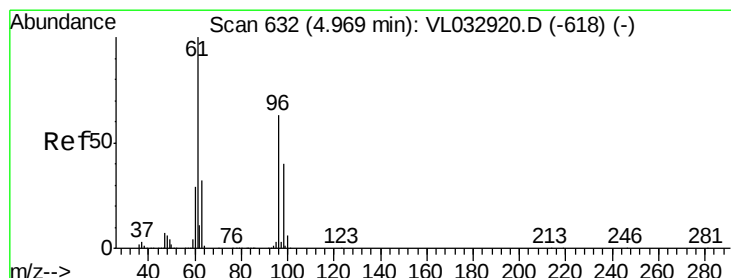
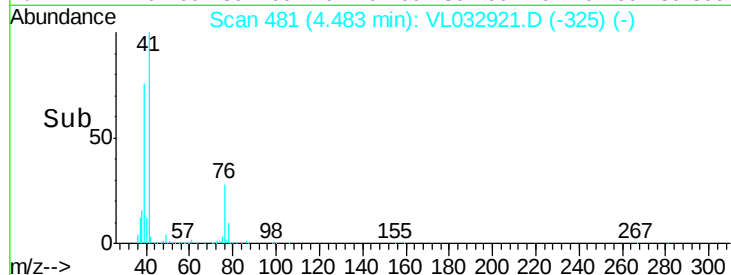
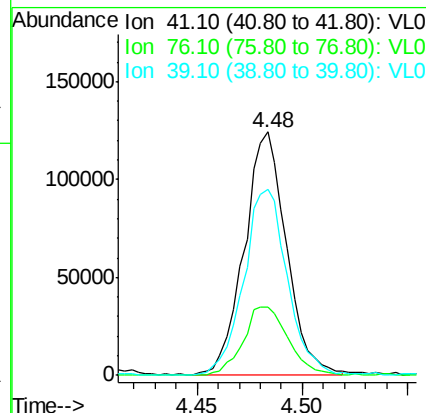
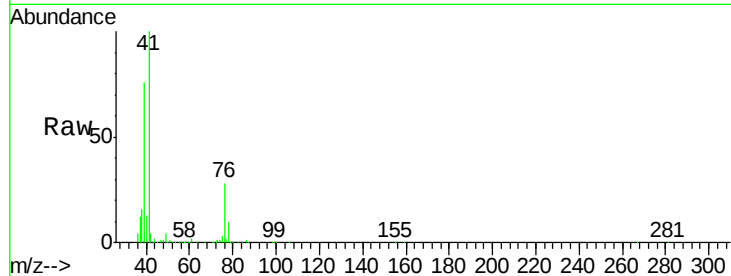
ClientSampleId :

VSTDIC002

Tgt Ion:	41	Resp:	172478
Ion	Ratio	Lower	Upper
41	100		
76	30.4	25.2	37.8
39	80.0	65.2	97.8

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#22

trans-1,2-Dichloroethene

Concen: 2.208 ppbv

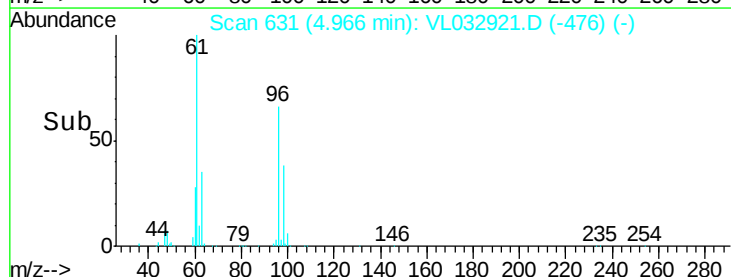
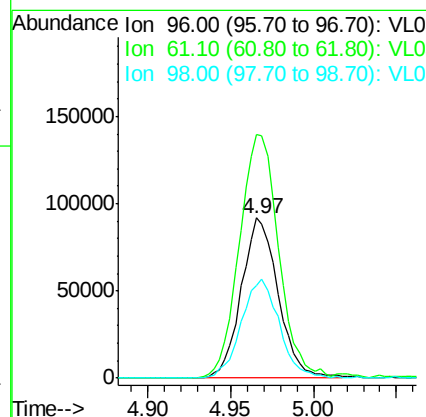
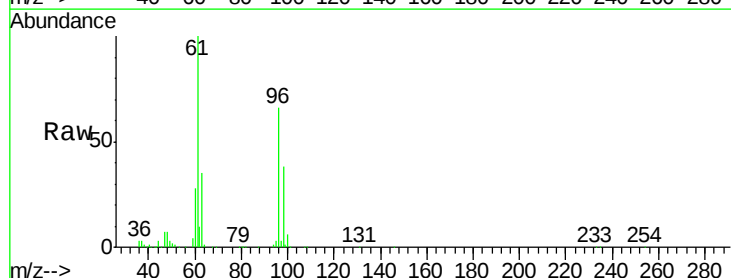
RT: 4.97 min Scan# 631

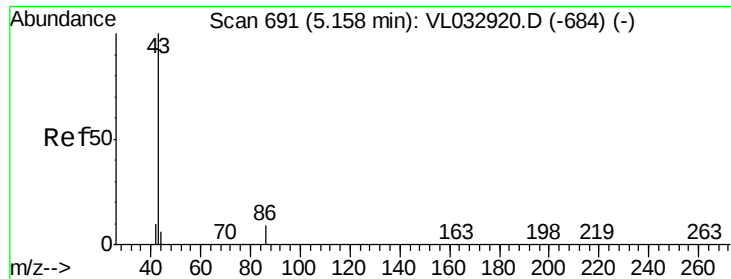
Delta R.T. -0.00 min

Lab File: VL032921.D

Acq: 7 Dec 2018 4:19

Tgt Ion:	96	Resp:	142081
Ion	Ratio	Lower	Upper
96	100		
61	152.3	127.1	190.7
98	57.5	51.3	76.9





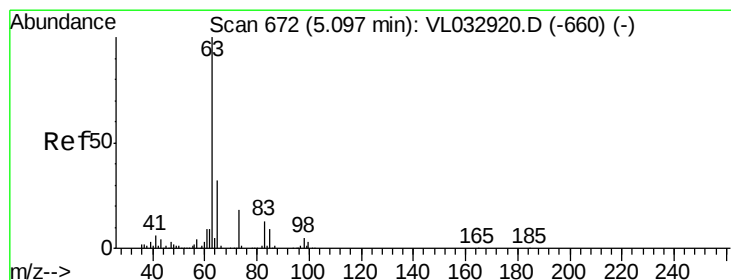
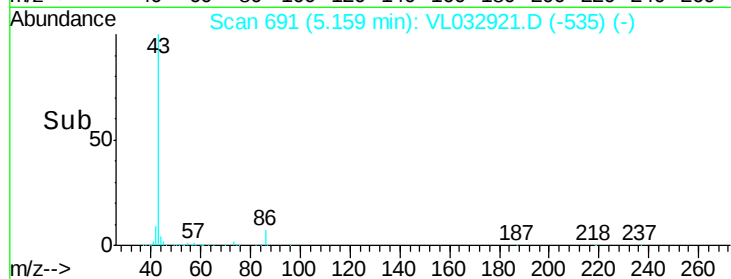
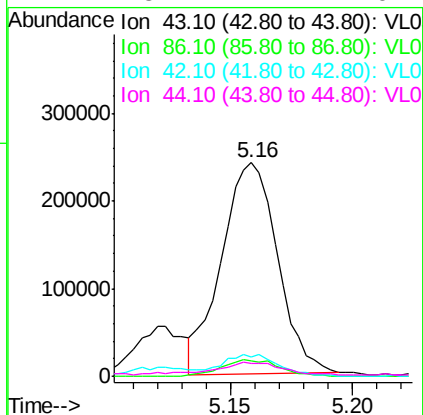
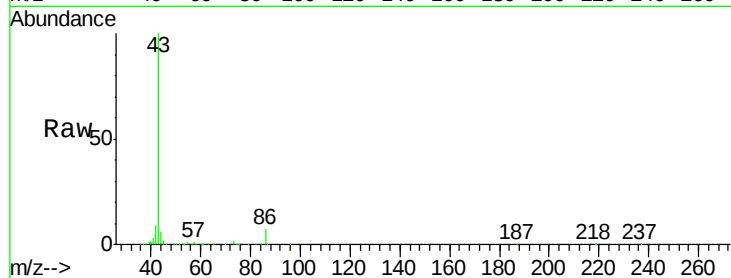
#23
 Vinyl Acetate
 Concen: 1.926 ppbv
 RT: 5.16 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VL032921.D
 Acq: 7 Dec 2018 4:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	384999		
86	7.3		6.6	9.8
42	8.8		8.3	12.5
44	5.4		4.2	6.4

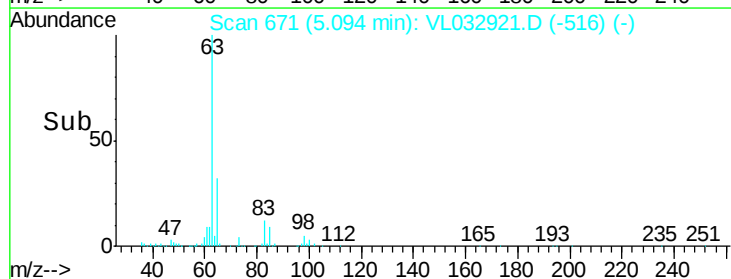
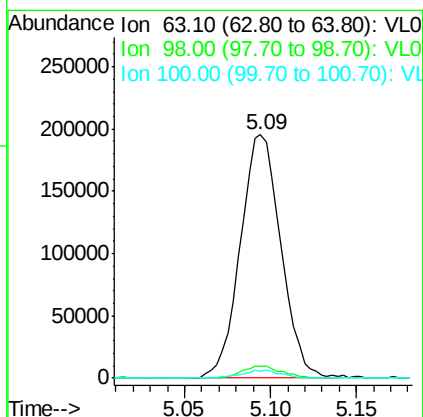
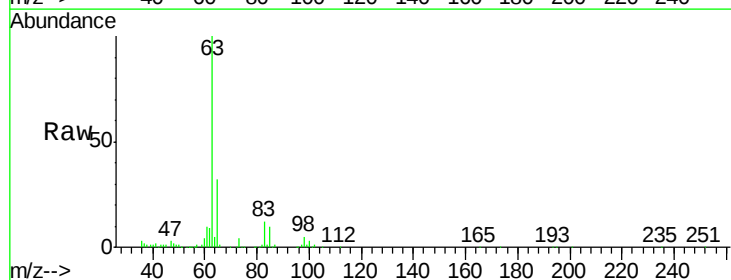
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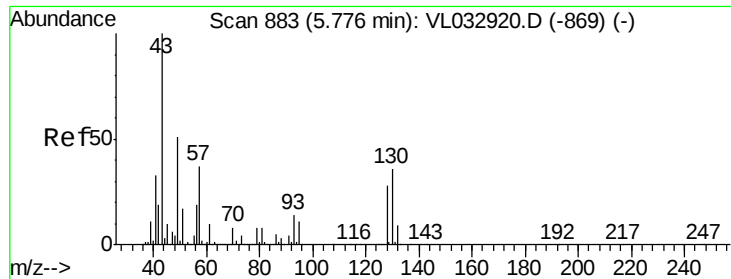
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#24
 1,1-Dichloroethane
 Concen: 2.077 ppbv
 RT: 5.09 min Scan# 671
 Delta R.T. -0.00 min
 Lab File: VL032921.D
 Acq: 7 Dec 2018 4:19

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	319475		
98	4.6		2.5	7.5
100	3.0		1.4	4.2





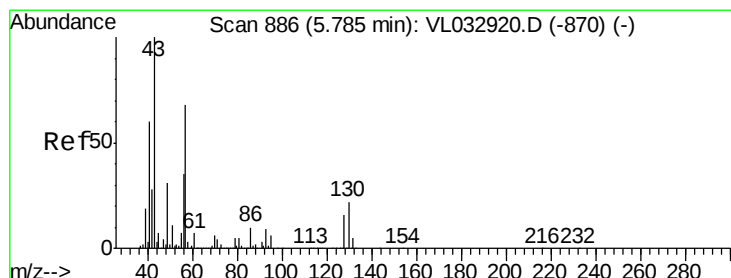
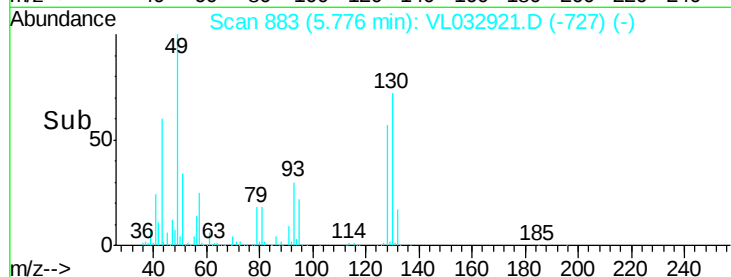
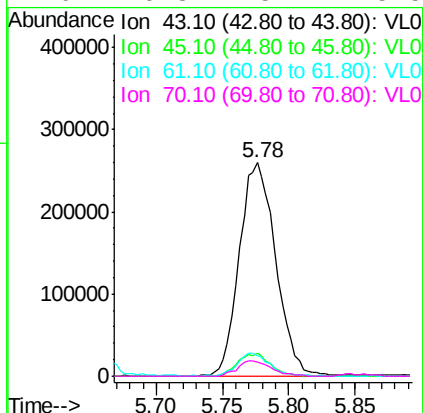
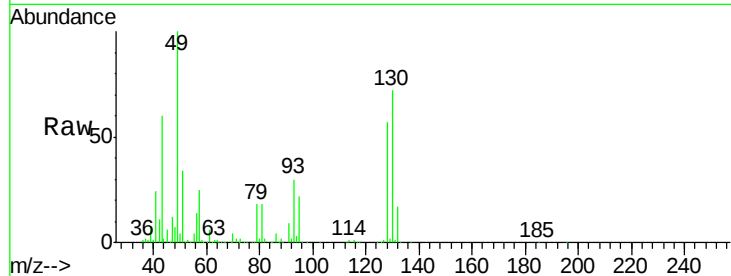
#25
Ethyl Acetate
Concen: 1.991 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL032921.D
Acq: 7 Dec 2018 4:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.6
61	9.5	7.4	11.2
70	6.8	5.7	8.5

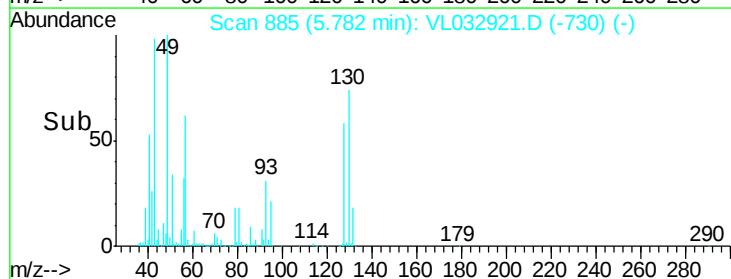
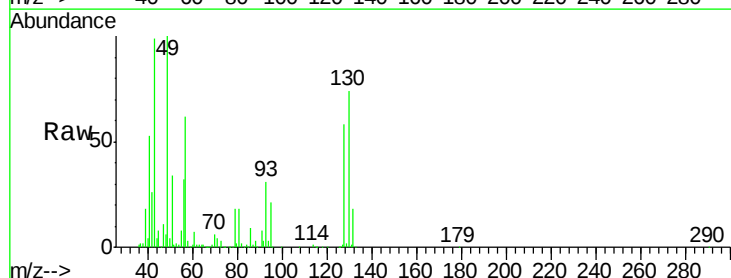
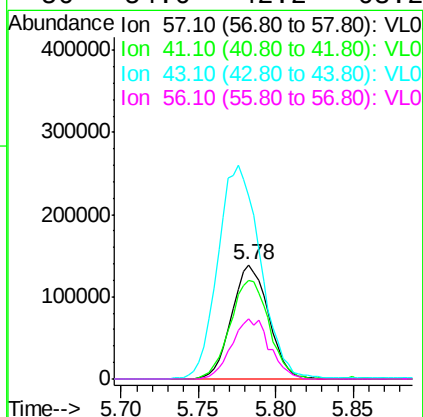
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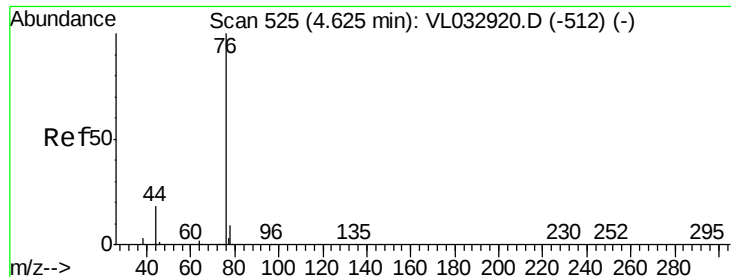
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#26
Hexane
Concen: 1.953 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL032921.D
Acq: 7 Dec 2018 4:19

Tgt Ion	Ratio	Lower	Upper
57	100		
41	91.7	72.2	108.2
43	217.0	171.9	257.9
56	54.6	42.2	63.2





#27

Carbon Disulfide

Concen: 1.918 ppbv

RT: 4.62 min Scan# 525

Delta R.T. 0.00 min

Lab File: VL032921.D

Acq: 7 Dec 2018 4:19

Instrument :

MSVOA_L

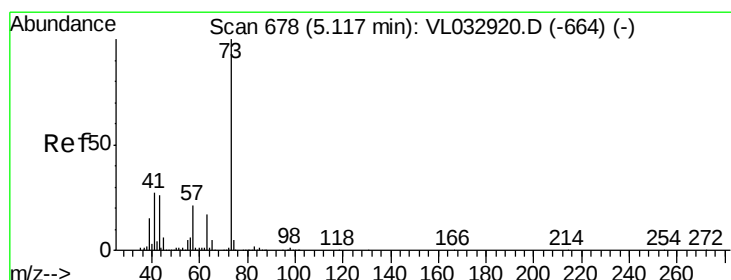
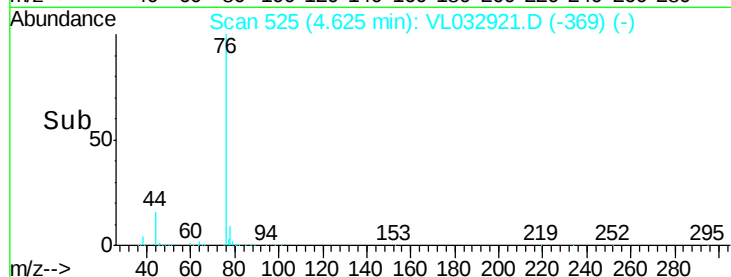
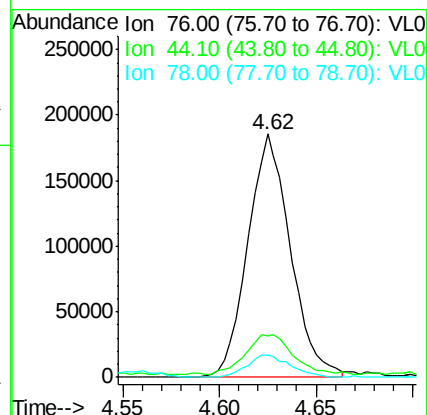
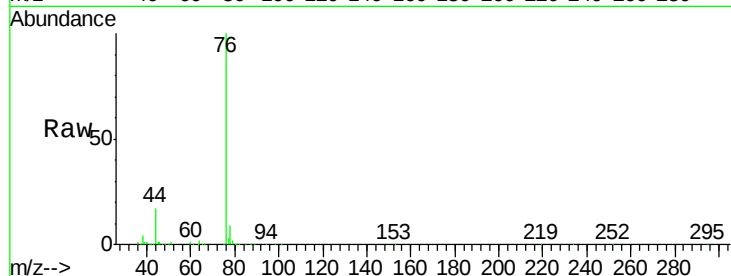
ClientSampleId :

VSTDIC002

Tgt Ion:	76	Resp:	284979
Ion Ratio	Lower	Upper	
76	100		
44	19.7	14.7	22.1
78	9.6	7.4	11.2

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#28

Methyl tert-Butyl Ether

Concen: 2.013 ppbv

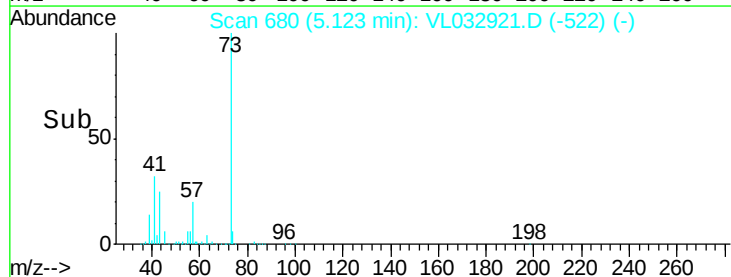
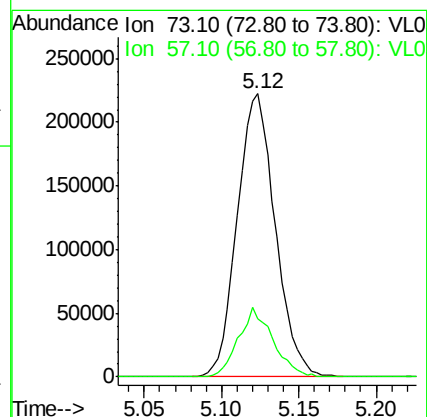
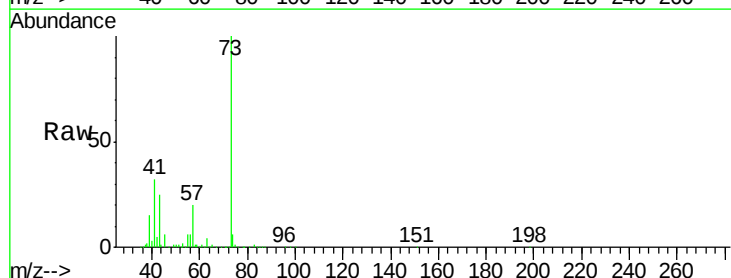
RT: 5.12 min Scan# 680

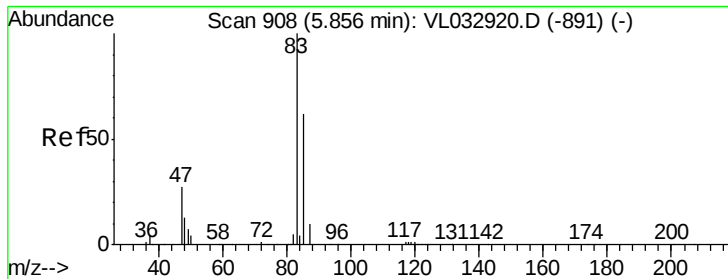
Delta R.T. 0.01 min

Lab File: VL032921.D

Acq: 7 Dec 2018 4:19

Tgt Ion:	73	Resp:	378898
Ion Ratio	Lower	Upper	
73	100		
57	22.5	17.4	26.0





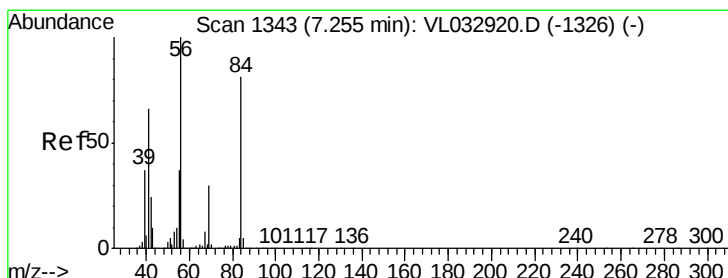
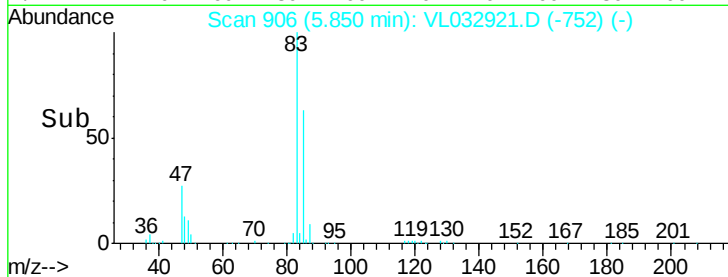
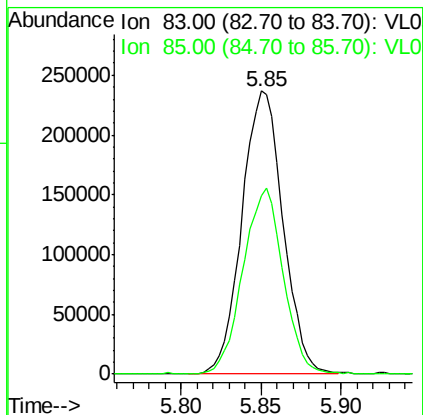
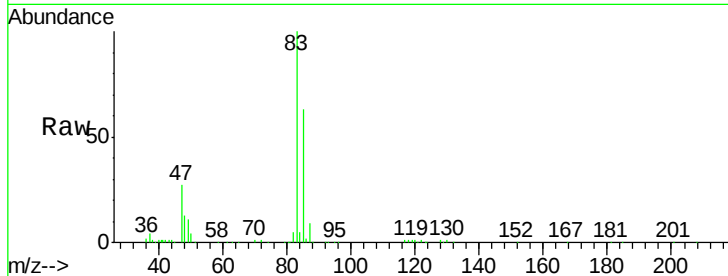
#29
Chloroform
Concen: 2.125 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.01 min
Lab File: VL032921.D
Acq: 7 Dec 2018 4:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 83 Resp: 414586
Ion Ratio Lower Upper
83 100
85 63.1 49.8 74.8

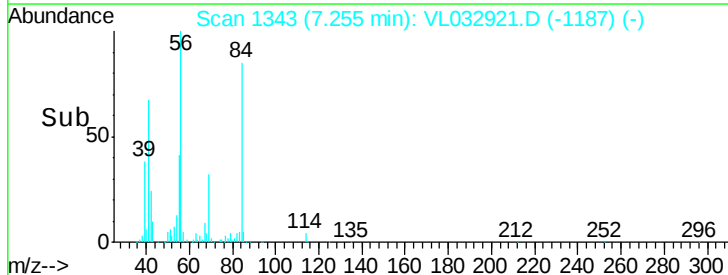
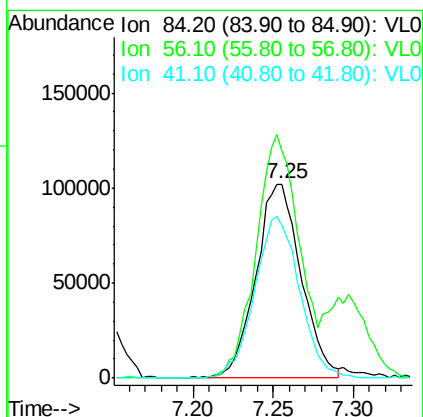
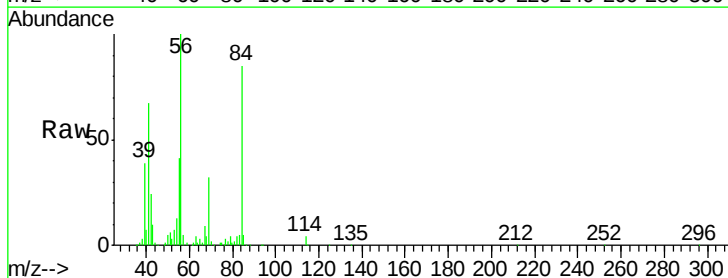
Manual Integrations
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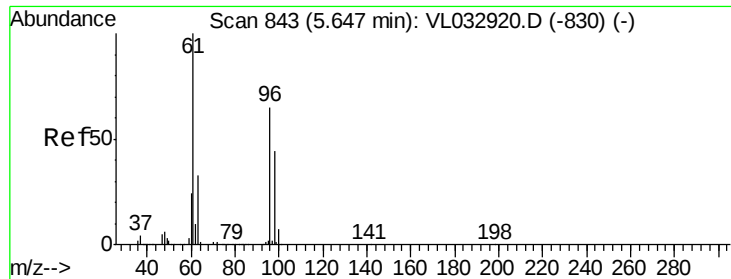
MMDadoda
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#30
Cyclohexane
Concen: 2.078 ppbv
RT: 7.25 min Scan# 1343
Delta R.T. 0.00 min
Lab File: VL032921.D
Acq: 7 Dec 2018 4:19

Tgt Ion: 84 Resp: 199368
Ion Ratio Lower Upper
84 100
56 158.6 102.5 153.7#
41 83.3 64.1 96.1





#31

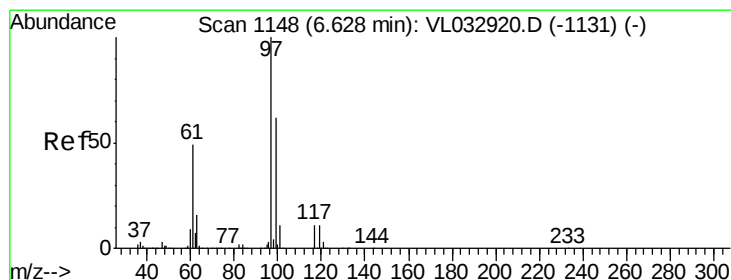
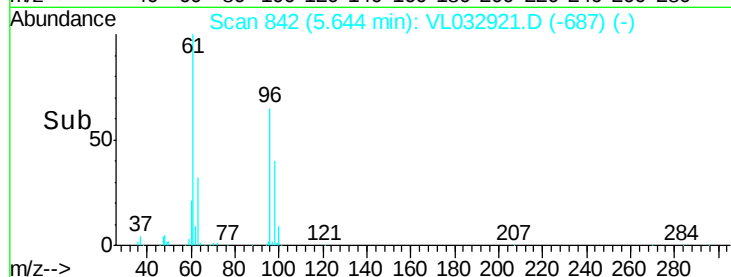
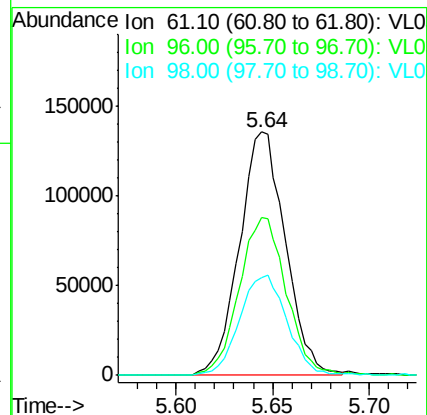
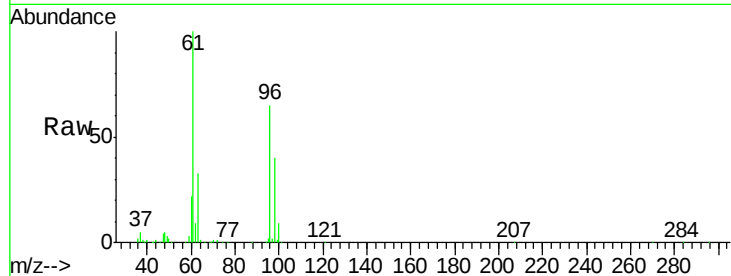
cis-1,2-Dichloroethene
 Concen: 2.098 ppbv
 RT: 5.64 min Scan# 842
 Delta R.T. -0.00 min
 Lab File: VL032921.D
 Acq: 7 Dec 2018 4:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion	Ratio	Lower	Upper
61	100		
96	64.5	51.9	77.9
98	40.3	35.0	52.4

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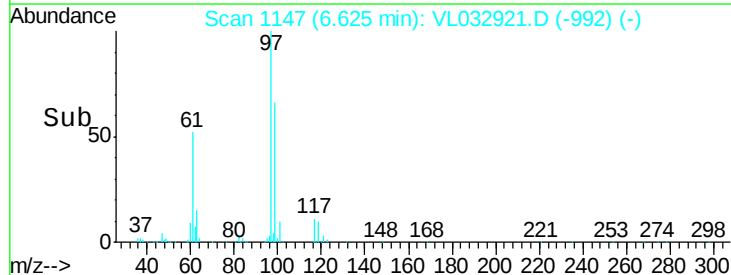
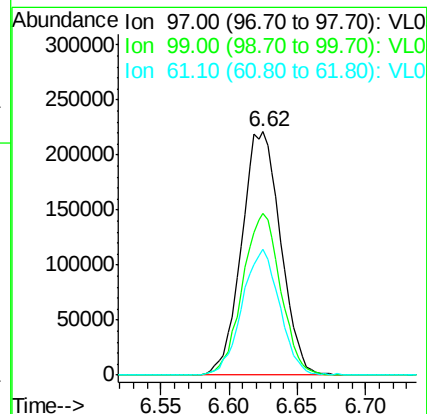
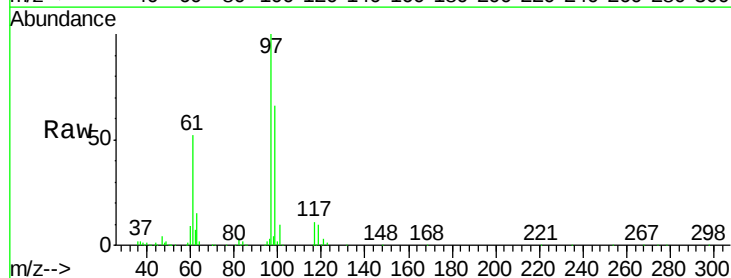
MMDadoda
 12/11/2018 10:07:59 AM

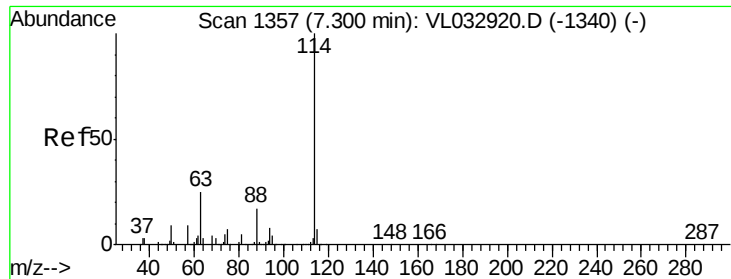


#32

1,1,1-Trichloroethane
 Concen: 2.013 ppbv
 RT: 6.62 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: VL032921.D
 Acq: 7 Dec 2018 4:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.1	76.7
61	49.7	39.3	58.9





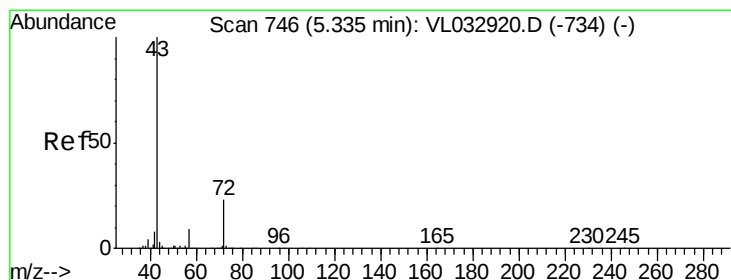
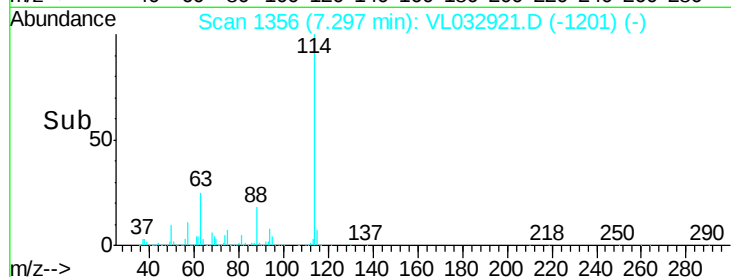
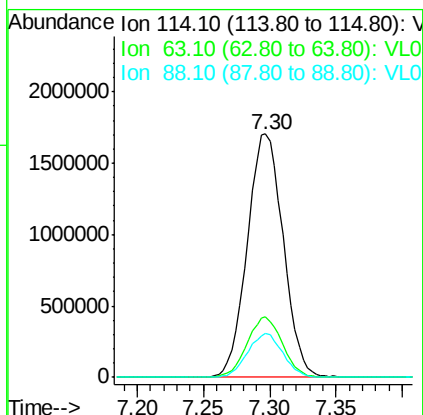
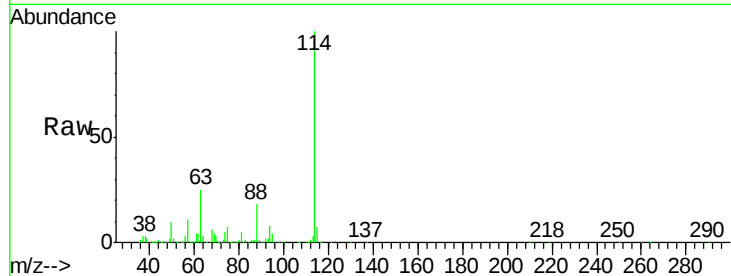
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VL032921.D
 Acq: 7 Dec 2018 4:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 114 Resp: 3221788
 Ion Ratio Lower Upper
 114 100
 63 24.6 20.1 30.1
 88 17.6 14.2 21.4

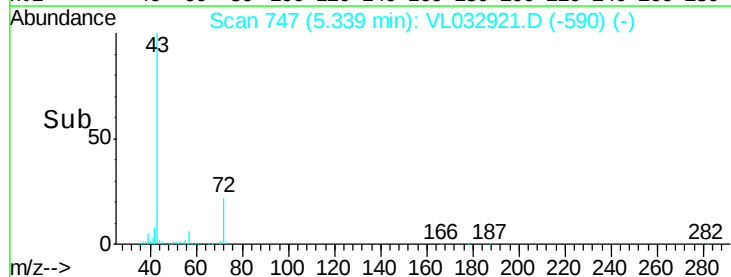
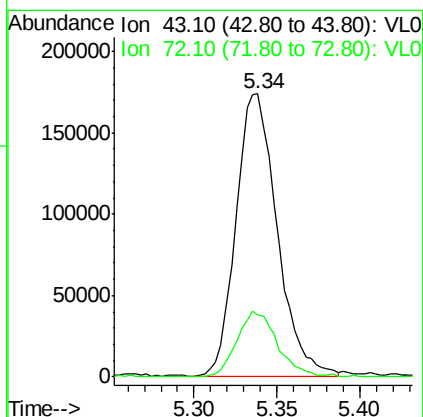
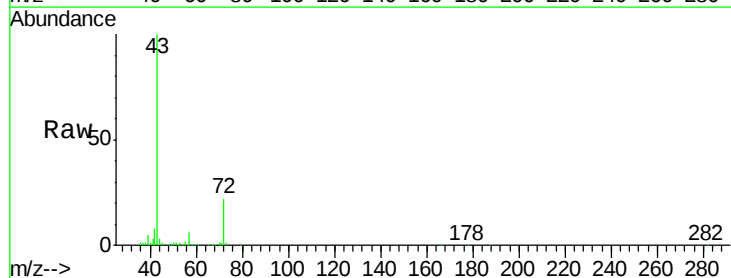
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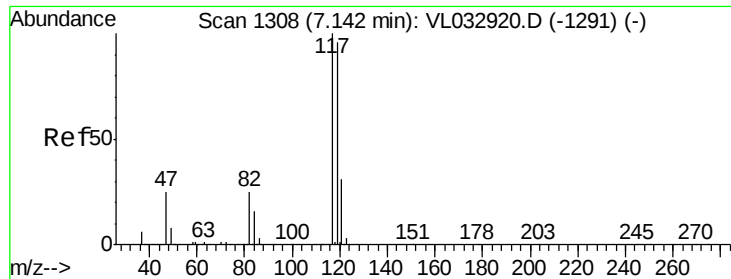
MMDadoda
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#34
 2-Butanone
 Concen: 1.879 ppbv
 RT: 5.34 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VL032921.D
 Acq: 7 Dec 2018 4:19

Tgt Ion: 43 Resp: 299639
 Ion Ratio Lower Upper
 43 100
 72 23.4 18.8 28.2





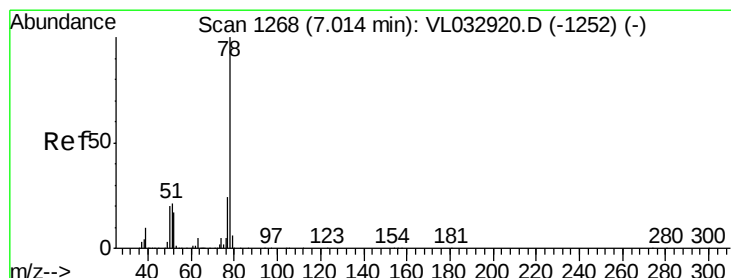
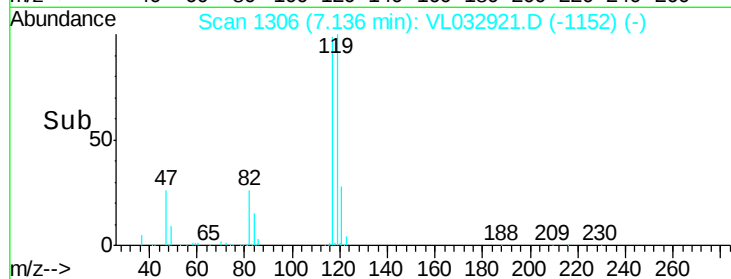
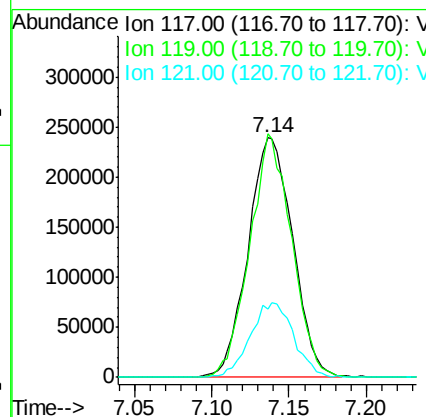
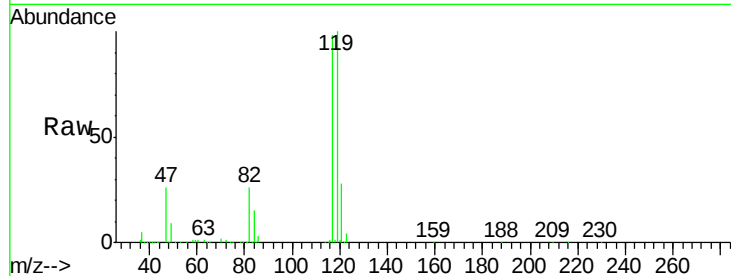
#35
Carbon Tetrachloride
Concen: 2.007 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. -0.01 min
Lab File: VL032921.D
Acq: 7 Dec 2018 4:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.5	76.5	114.7
121	28.5	24.5	36.7

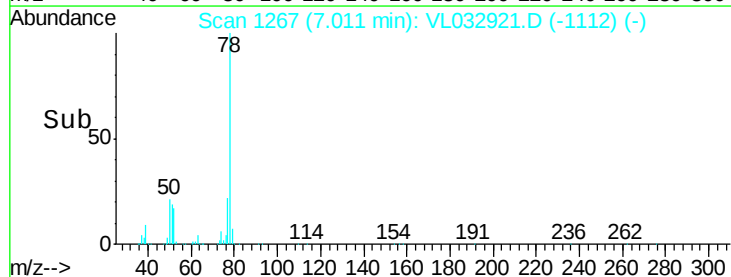
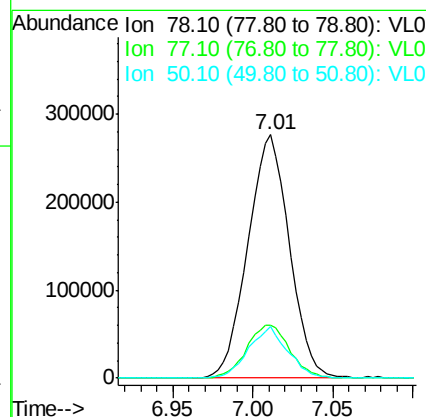
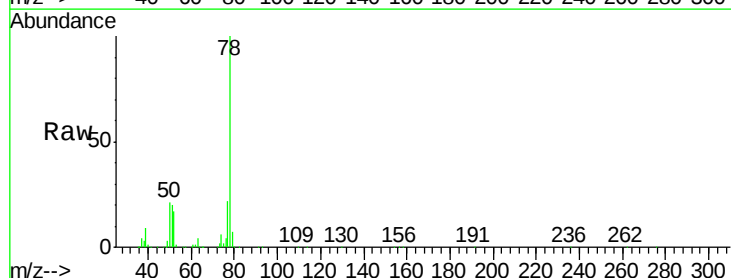
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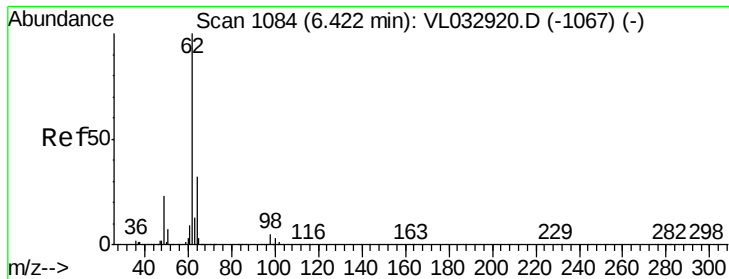
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#36
Benzene
Concen: 1.950 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.00 min
Lab File: VL032921.D
Acq: 7 Dec 2018 4:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.9	18.9	28.3
50	21.2	16.1	24.1





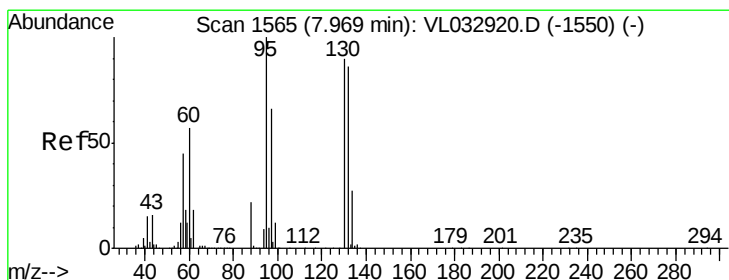
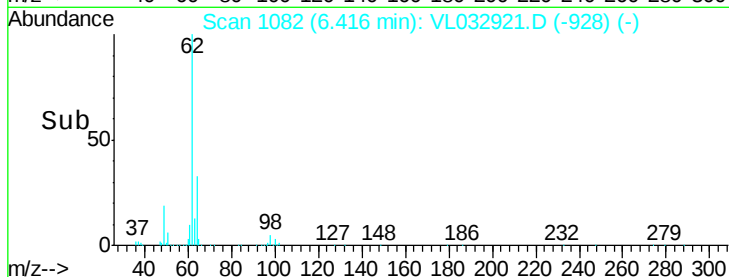
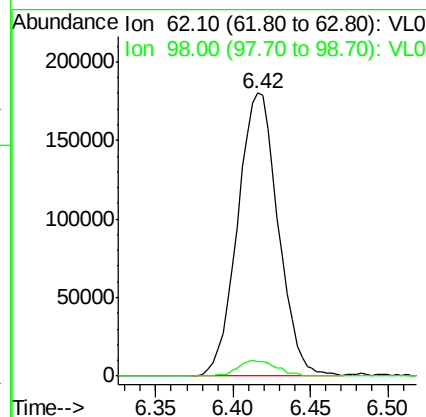
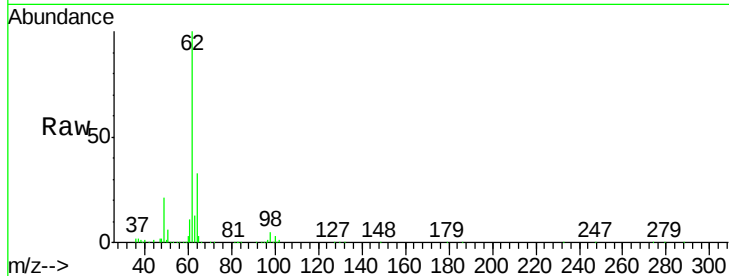
#37
 1,2-Dichloroethane
 Concen: 2.019 ppbv
 RT: 6.42 min Scan# 1082
 Delta R.T. -0.01 min
 Lab File: VL032921.D
 Acq: 7 Dec 2018 4:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.3	6.5

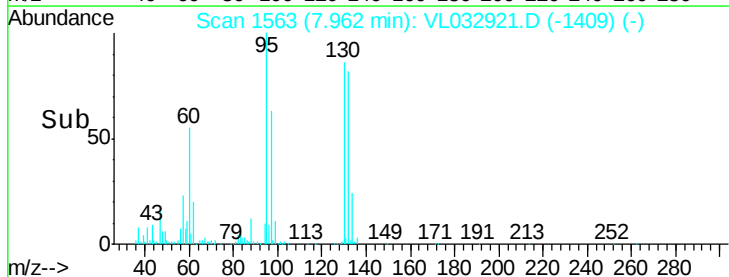
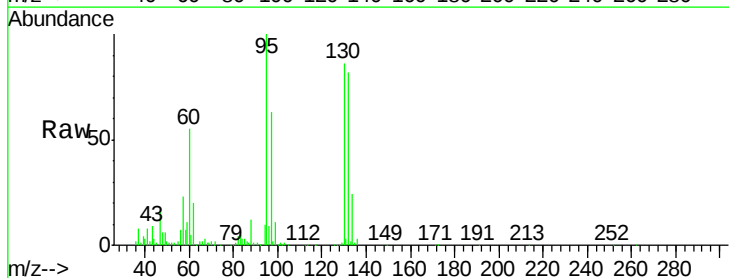
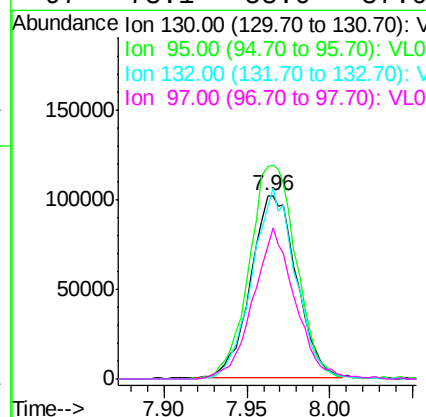
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 APPROVED

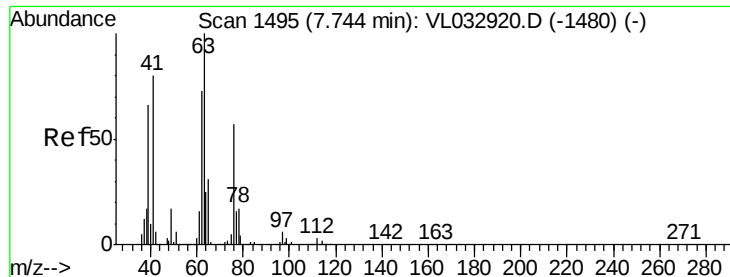
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#38
 Trichloroethene
 Concen: 1.944 ppbv
 RT: 7.96 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: VL032921.D
 Acq: 7 Dec 2018 4:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	115.5	88.6	132.8
132	94.6	76.1	114.1
97	73.1	58.0	87.0





#39

1,2-Dichloropropane

Concen: 1.970 ppbv

RT: 7.74 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VL032921.D

Acq: 7 Dec 2018 4:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 63 Resp: 182253

Ion Ratio Lower Upper

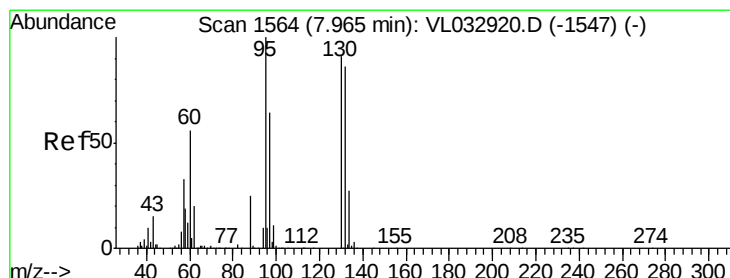
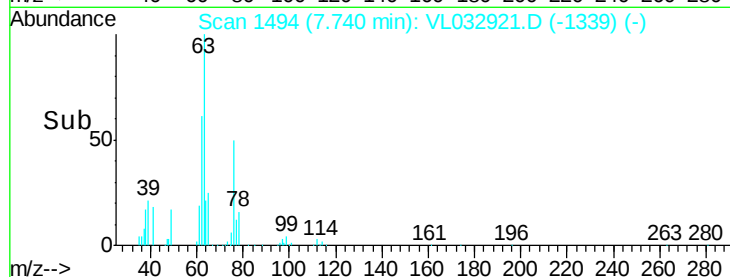
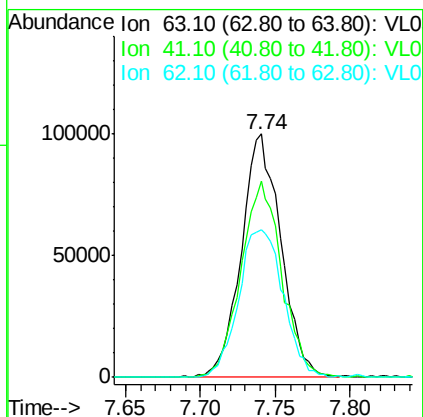
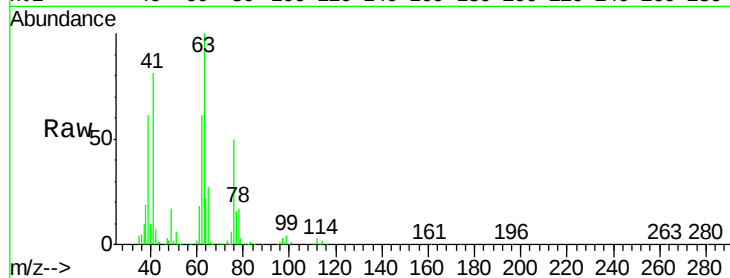
63 100

41 80.9 63.9 95.9

62 60.5 58.8 88.2

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#40

1,4-Dioxane

Concen: 2.021 ppbv m

RT: 7.98 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VL032921.D

Acq: 7 Dec 2018 4:19

Tgt Ion: 88 Resp: 70608

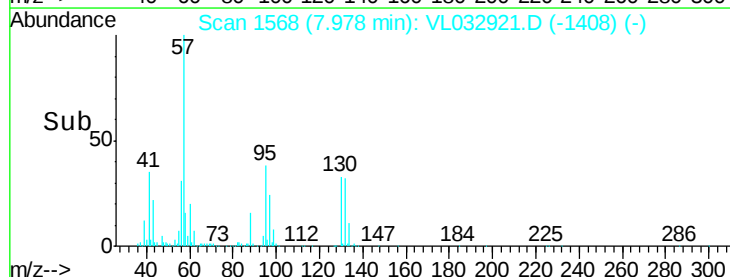
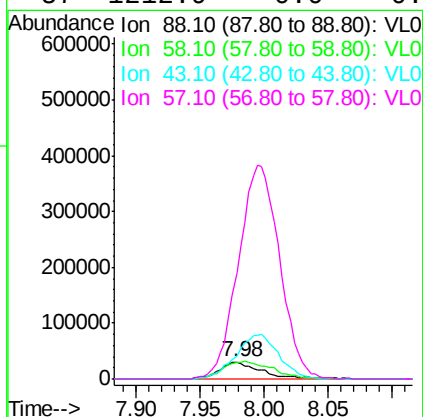
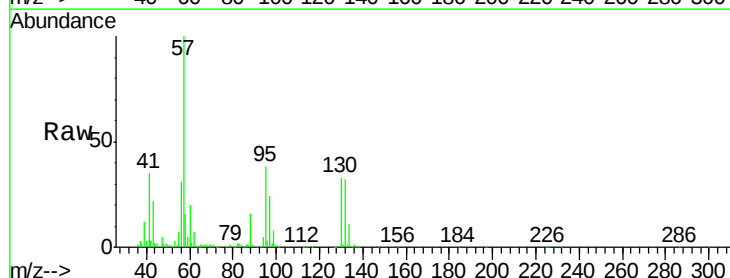
Ion Ratio Lower Upper

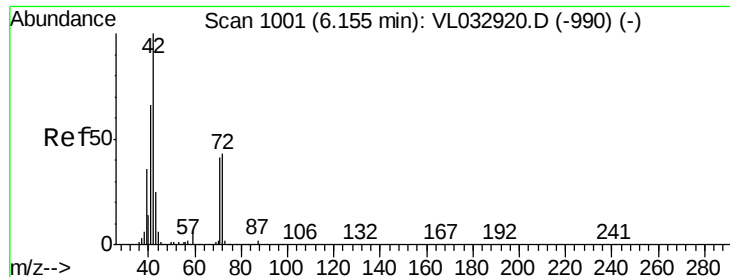
88 100

58 124.6 107.4 161.2

43 264.6 0.0 0.0#

57 1212.9 0.0 0.0#





#41

Tetrahydrofuran

Concen: 2.029 ppbv

RT: 6.16 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VL032921.D

Acq: 7 Dec 2018 4:19

Instrument :

MSVOA_L

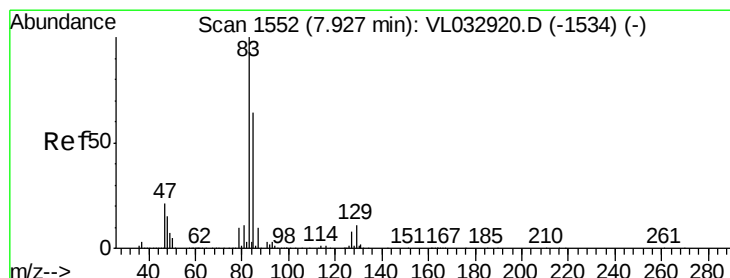
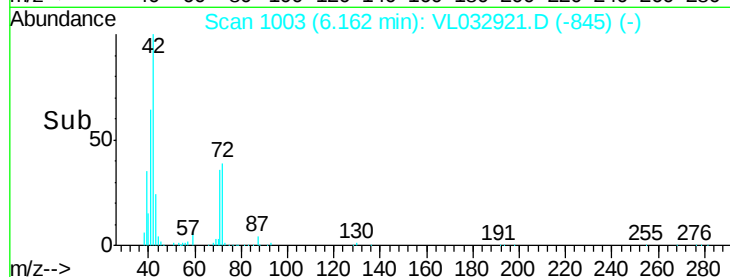
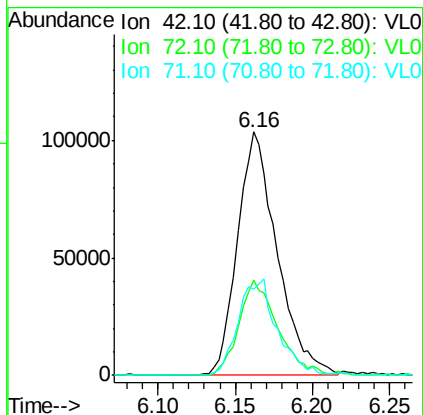
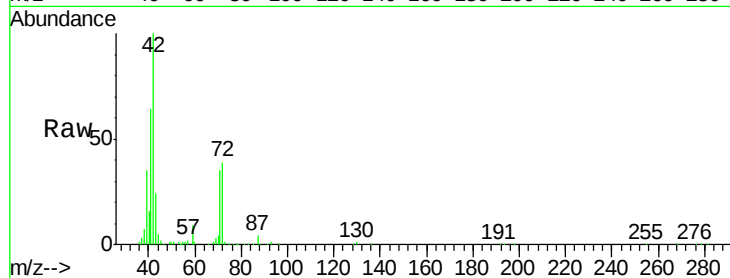
ClientSampleId :

VSTDIC002

Tgt Ion:	42	Resp:	184288
Ion Ratio		Lower	Upper
42	100		
72	38.7	32.9	49.3
71	39.3	32.0	48.0

Manual Integrations
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#42

Bromodichloromethane

Concen: 2.019 ppbv

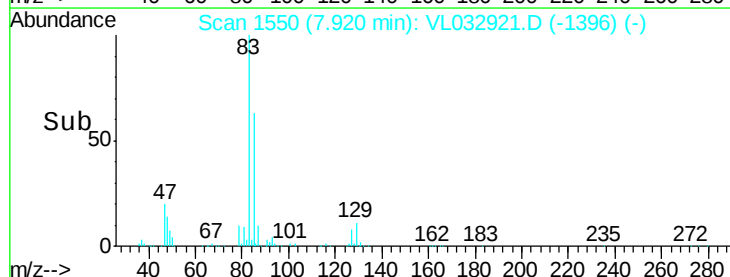
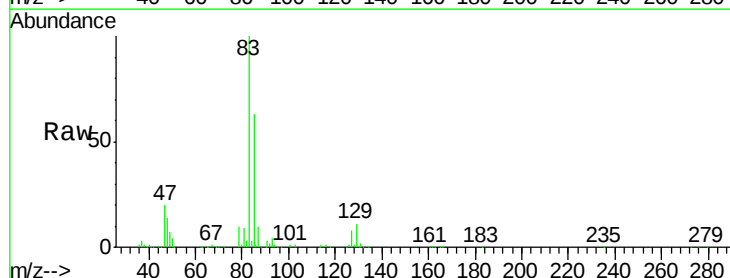
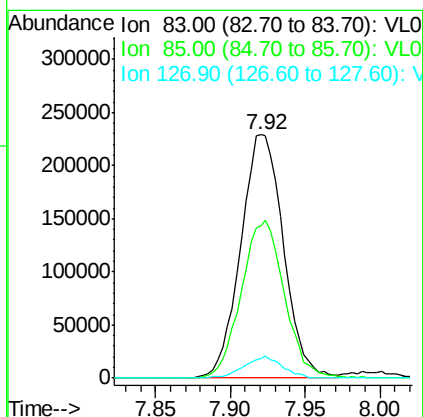
RT: 7.92 min Scan# 1550

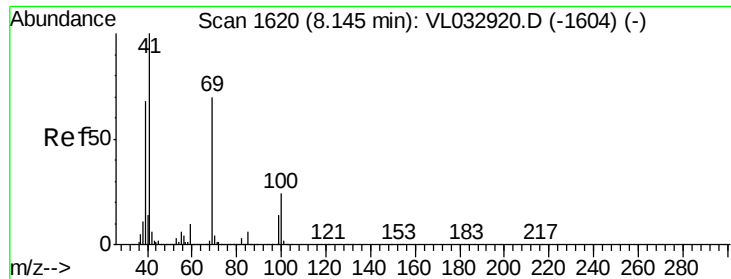
Delta R.T. -0.01 min

Lab File: VL032921.D

Acq: 7 Dec 2018 4:19

Tgt Ion:	83	Resp:	455700
Ion Ratio		Lower	Upper
83	100		
85	62.4	50.9	76.3
127	8.1	6.7	10.1





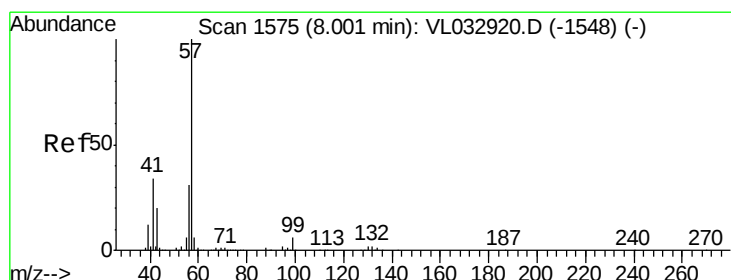
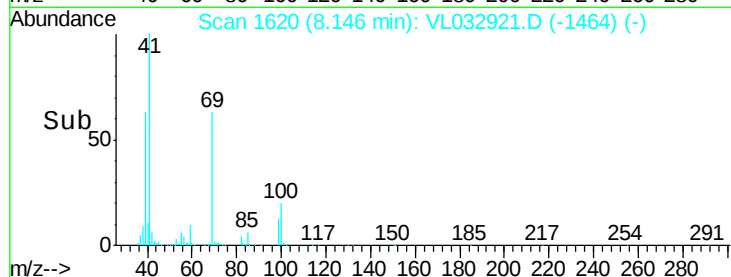
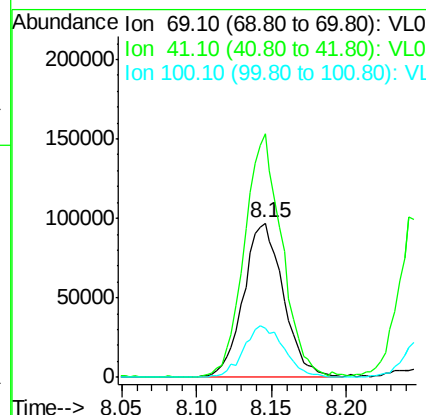
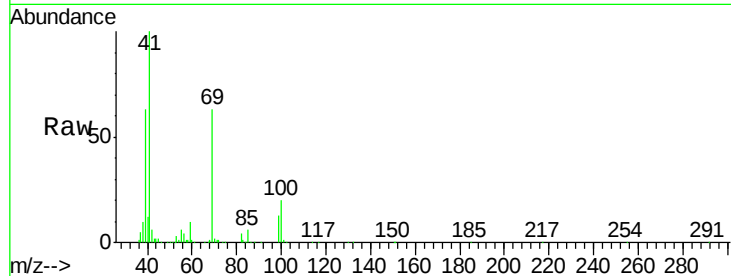
#43
Methyl Methacrylate
Concen: 1.930 ppbv
RT: 8.15 min Scan# 1620
Delta R.T. 0.00 min
Lab File: VL032921.D
Acq: 7 Dec 2018 4:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
69	100		
41	149.7	116.6	175.0
100	34.0	26.5	39.7

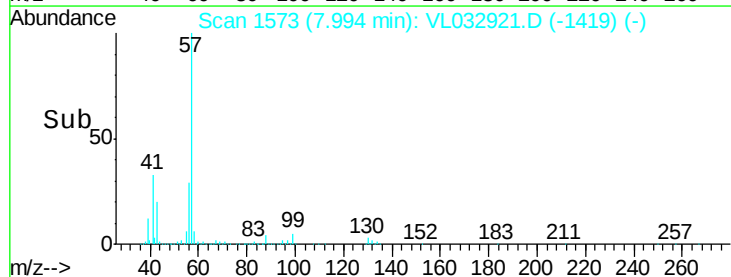
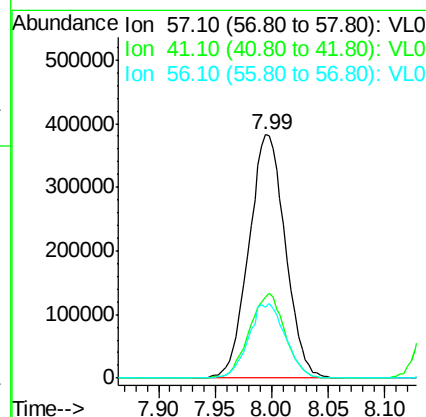
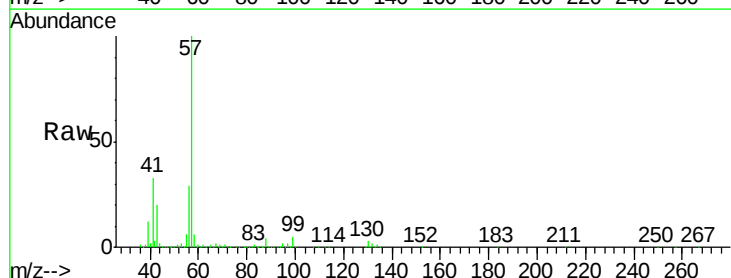
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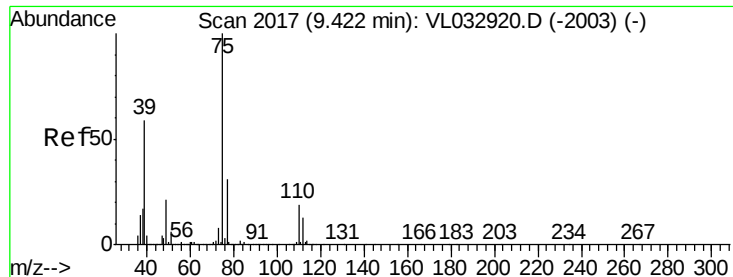
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#44
2,2,4-Trimethylpentane
Concen: 2.078 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VL032921.D
Acq: 7 Dec 2018 4:19

Tgt Ion	Ratio	Lower	Upper
57	100		
41	34.0	27.0	40.4
56	31.0	24.6	37.0





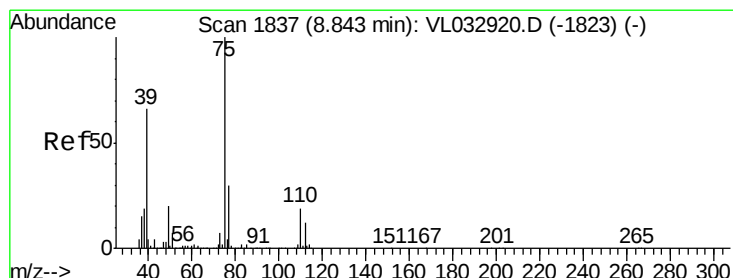
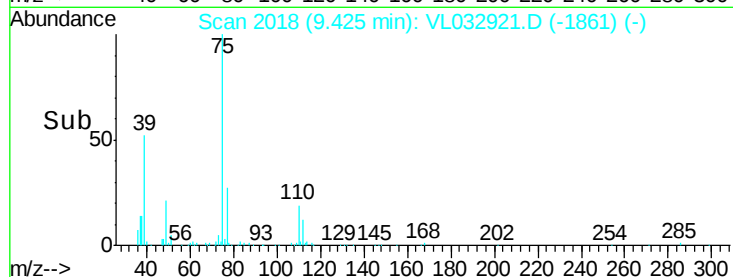
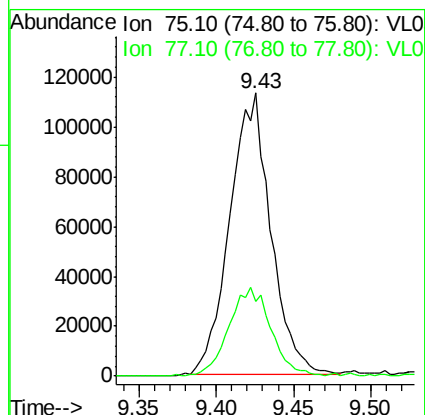
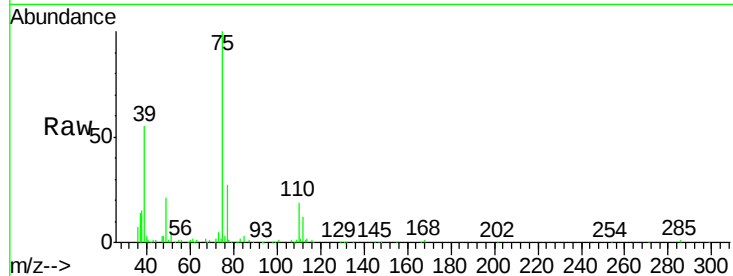
#45
t-1,3-Dichloropropene
Concen: 1.688 ppbv
RT: 9.43 min Scan# 2018
Delta R.T. 0.00 min
Lab File: VL032921.D
Acq: 7 Dec 2018 4:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 75 Resp: 206884
Ion Ratio Lower Upper
75 100
77 26.6 24.8 37.2

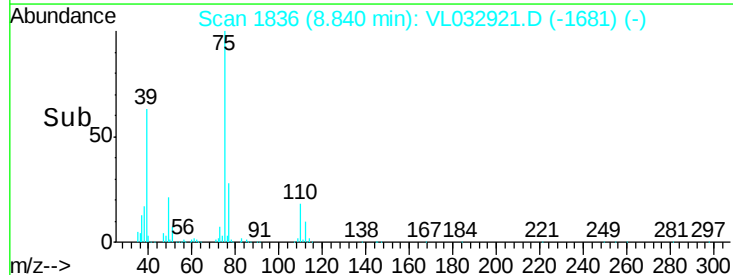
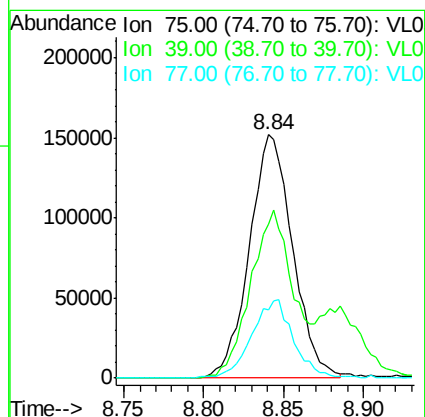
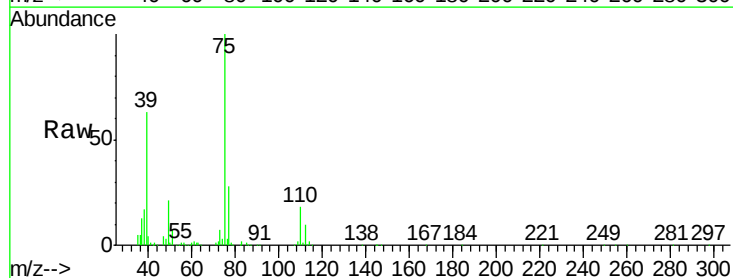
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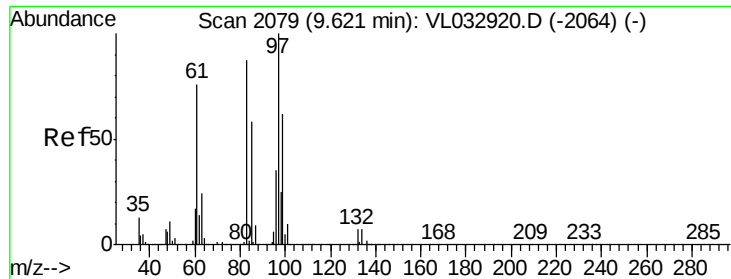
MMDadoda
12/11/2018 10:07:59 AM



#46
cis-1,3-Dichloropropene
Concen: 2.022 ppbv
RT: 8.84 min Scan# 1836
Delta R.T. -0.00 min
Lab File: VL032921.D
Acq: 7 Dec 2018 4:19

Tgt Ion: 75 Resp: 280910
Ion Ratio Lower Upper
75 100
39 63.2 52.8 79.2
77 28.2 24.3 36.5





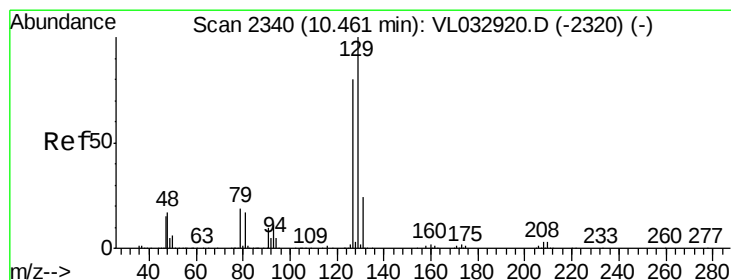
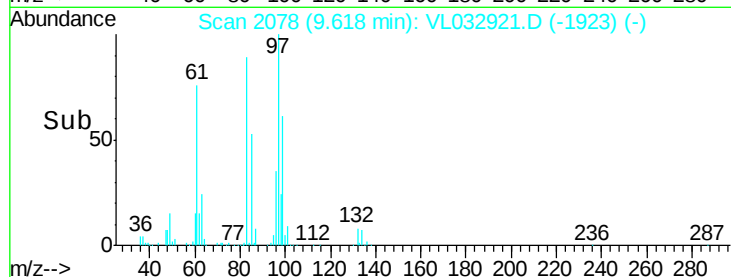
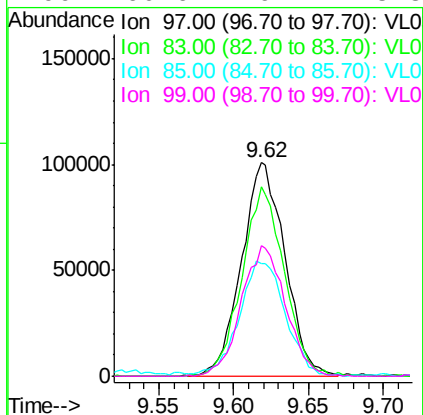
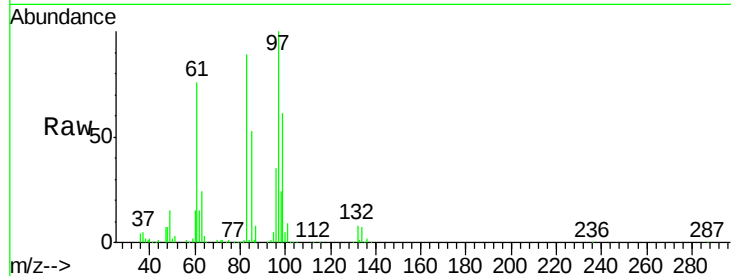
#47
 1,1,2-Trichloroethane
 Concen: 1.863 ppbv
 RT: 9.62 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VL032921.D
 Acq: 7 Dec 2018 4:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.5	69.8	104.8
85	51.9	46.7	70.1
99	60.6	49.2	73.8

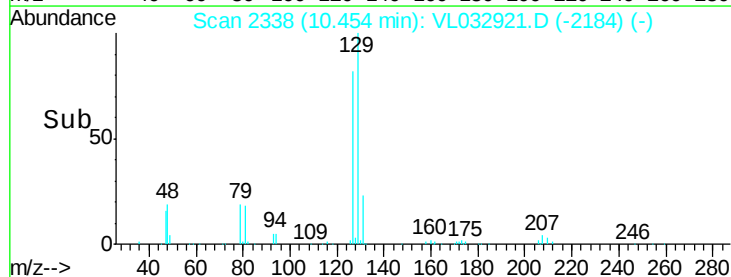
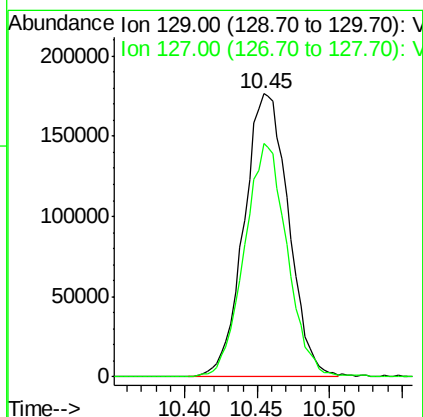
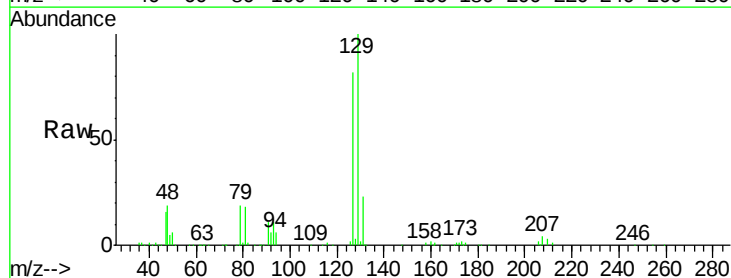
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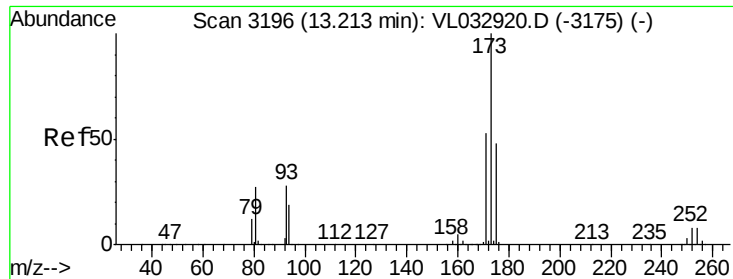
MMDadoda
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#48
 Dibromochloromethane
 Concen: 1.866 ppbv
 RT: 10.45 min Scan# 2338
 Delta R.T. -0.01 min
 Lab File: VL032921.D
 Acq: 7 Dec 2018 4:19

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.6	39.3	117.8





#49

Bromoform

Concen: 1.821 ppbv

RT: 13.20 min Scan# 3193

Delta R.T. -0.01 min

Lab File: VL032921.D

Acq: 7 Dec 2018 4:19

Instrument :

MSVOA_L

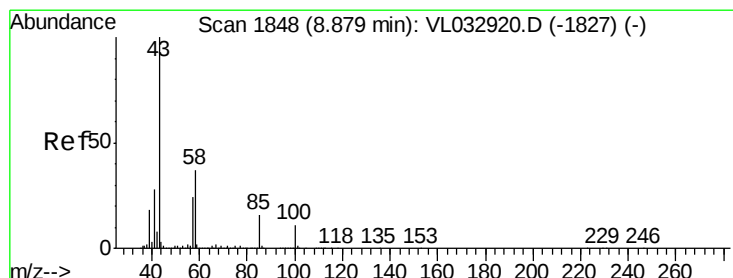
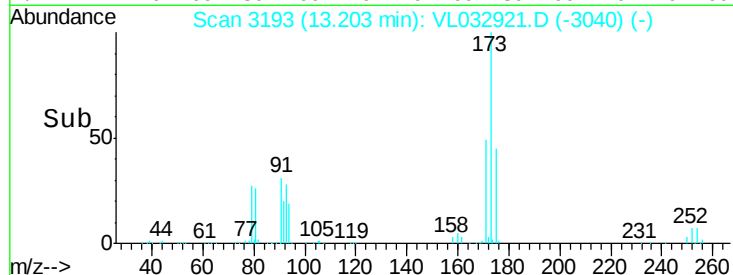
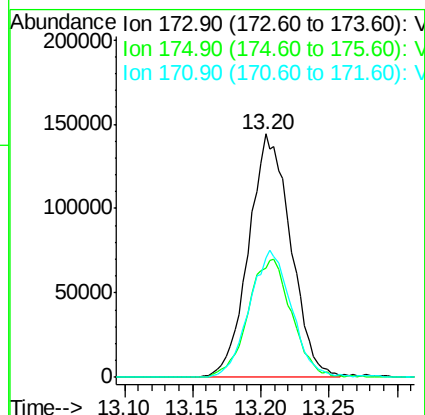
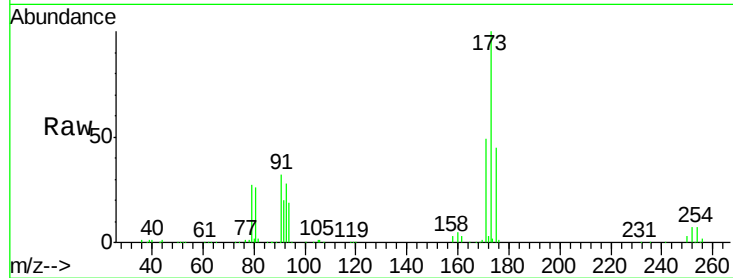
ClientSampleId :

VSTDIC002

Tgt Ion:	173	Resp:	308760
Ion Ratio	Lower	Upper	
173	100		
175	50.6	39.0	58.4
171	52.6	41.5	62.3

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#50

4-Methyl-2-Pentanone

Concen: 2.122 ppbv

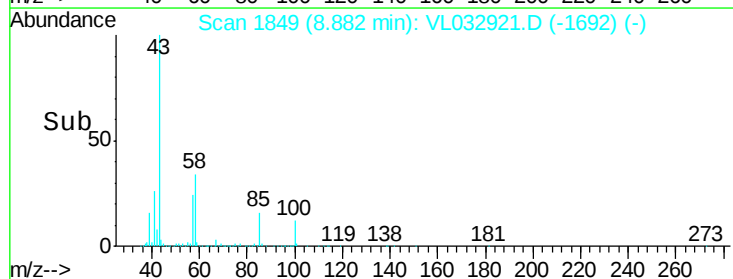
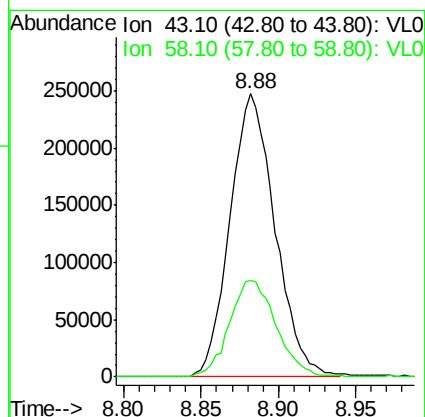
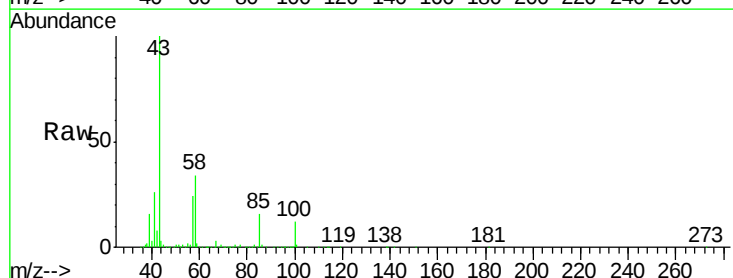
RT: 8.88 min Scan# 1849

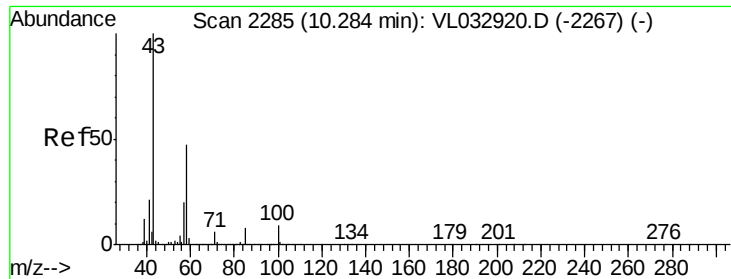
Delta R.T. 0.00 min

Lab File: VL032921.D

Acq: 7 Dec 2018 4:19

Tgt Ion:	43	Resp:	495047
Ion Ratio	Lower	Upper	
43	100		
58	35.8	29.0	43.4





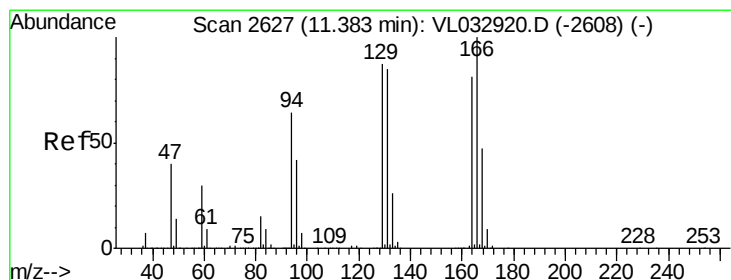
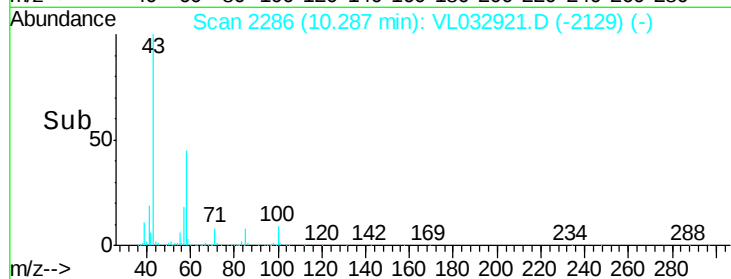
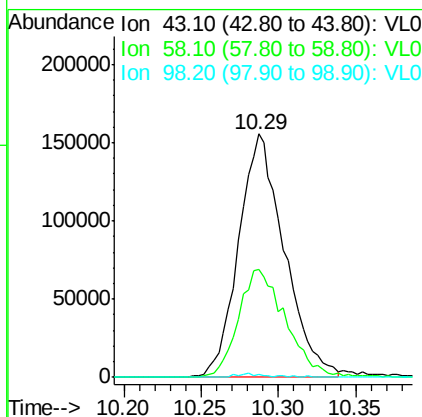
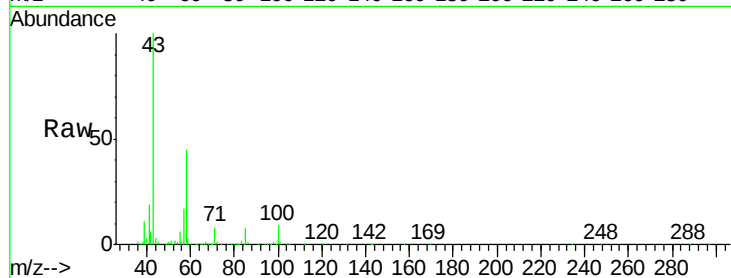
#51
2-Hexanone
Concen: 1.852 ppbv
RT: 10.29 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VL032921.D
Acq: 7 Dec 2018 4:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
43	100		
58	46.1	38.1	57.1
98	1.4	0.4	0.6

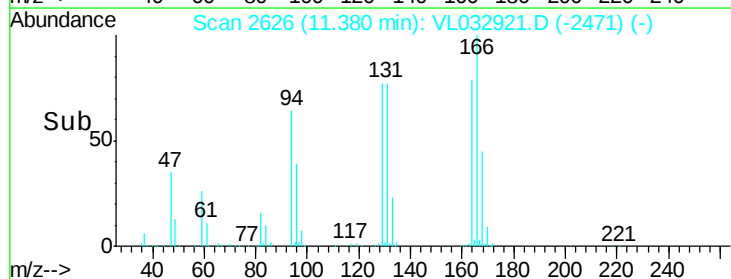
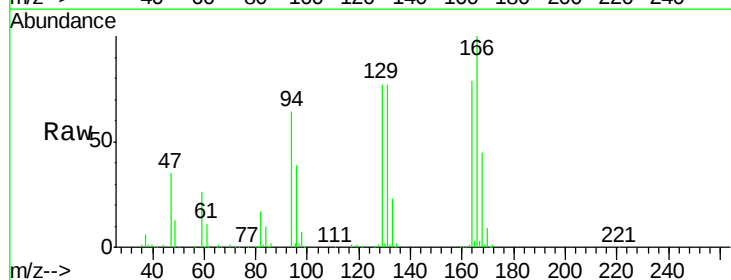
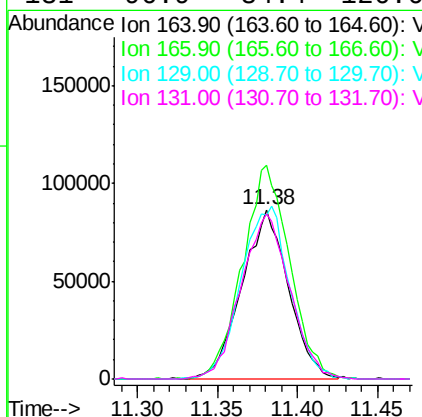
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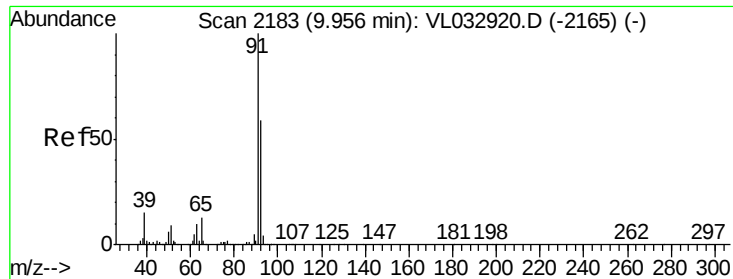
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#52
Tetrachloroethene
Concen: 1.821 ppbv
RT: 11.38 min Scan# 2626
Delta R.T. -0.00 min
Lab File: VL032921.D
Acq: 7 Dec 2018 4:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	98.8	148.2
129	96.5	85.5	128.3
131	96.9	84.4	126.6





#53

Toluene

Concen: 1.847 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. -0.00 min

Lab File: VL032921.D

Acq: 7 Dec 2018 4:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 91 Resp: 528208

Ion Ratio Lower Upper

91 100

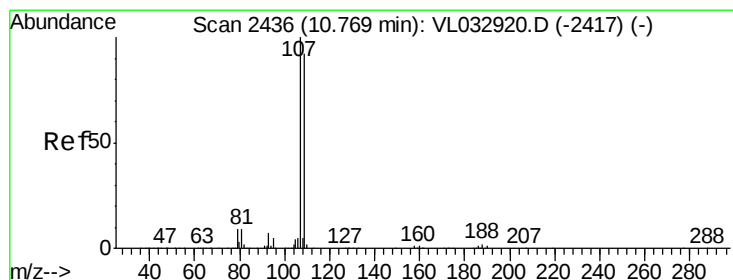
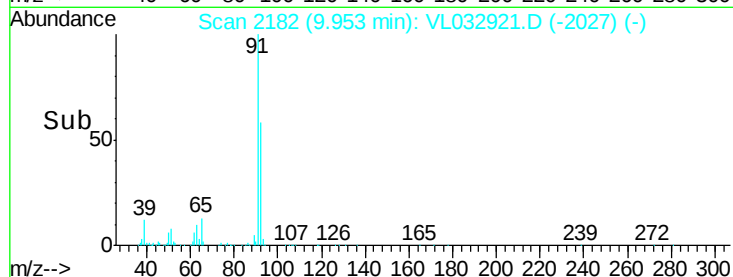
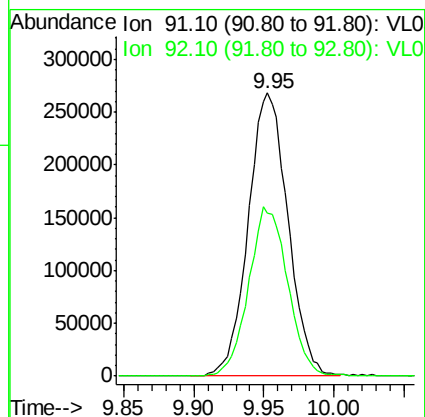
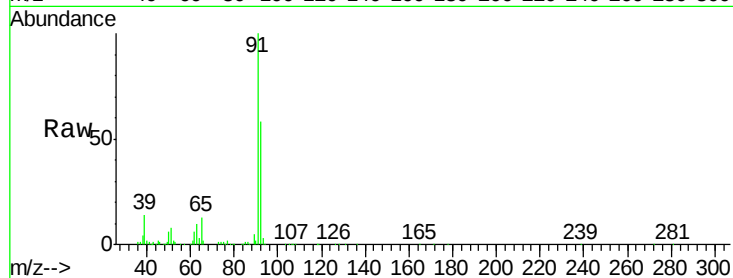
92 58.9 47.4 71.0

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#54

1,2-Dibromoethane

Concen: 1.977 ppbv

RT: 10.76 min Scan# 2434

Delta R.T. -0.01 min

Lab File: VL032921.D

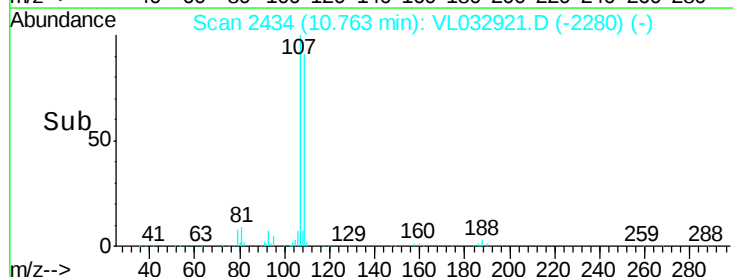
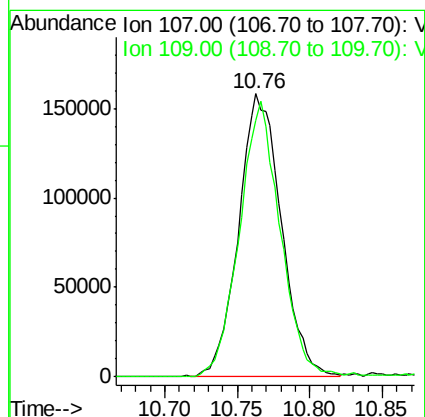
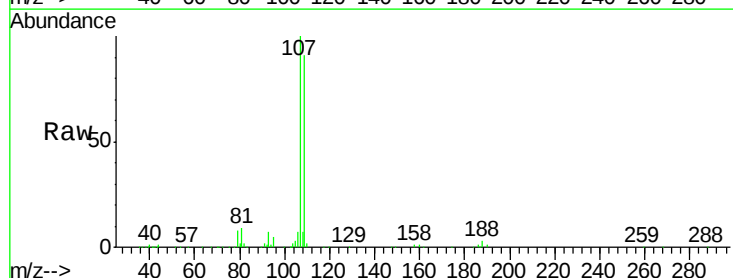
Acq: 7 Dec 2018 4:19

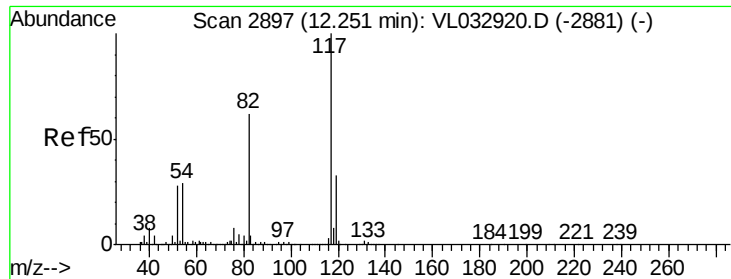
Tgt Ion: 107 Resp: 322367

Ion Ratio Lower Upper

107 100

109 90.6 73.4 110.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VL032921.D

Acq: 7 Dec 2018 4:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion:117 Resp: 3117268

Ion Ratio Lower Upper

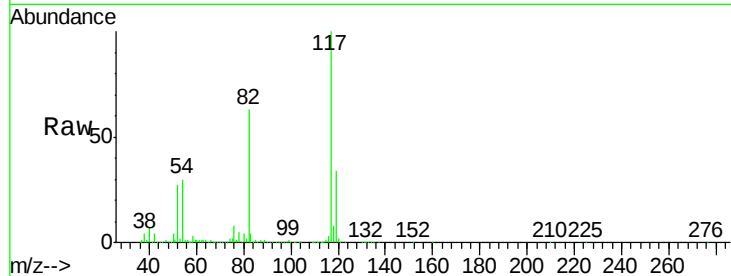
117 100

82 60.6 47.8 71.8

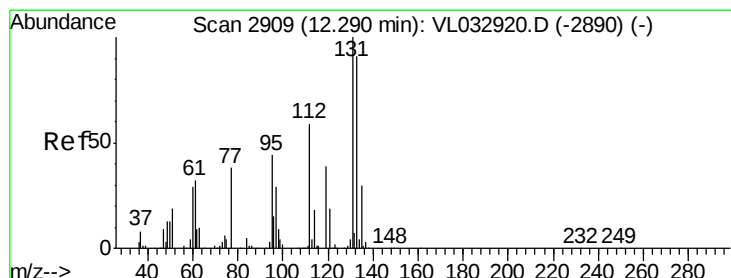
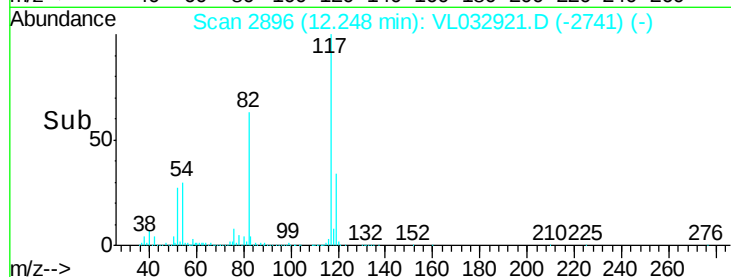
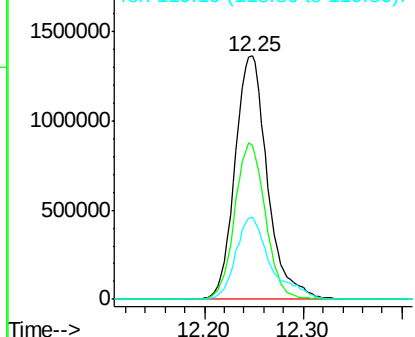
119 36.3 43.1 64.7#

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



#56

1,1,1,2-Tetrachloroethane

Concen: 2.006 ppbv m

RT: 12.28 min Scan# 2907

Delta R.T. -0.01 min

Lab File: VL032921.D

Acq: 7 Dec 2018 4:19

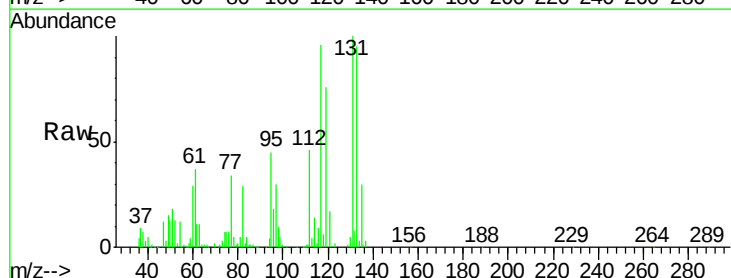
Tgt Ion:131 Resp: 282517

Ion Ratio Lower Upper

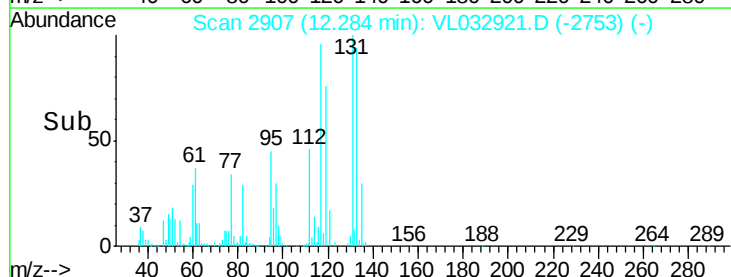
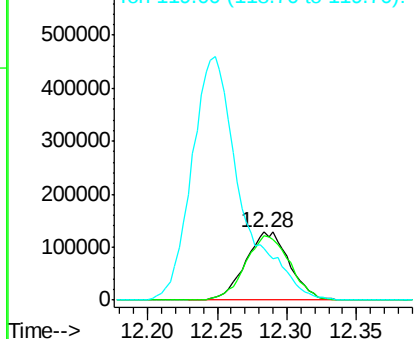
131 100

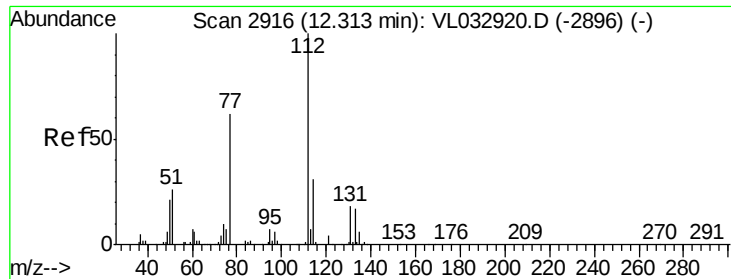
133 0.0 75.1 112.7#

119 0.0 47.5 71.3#



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





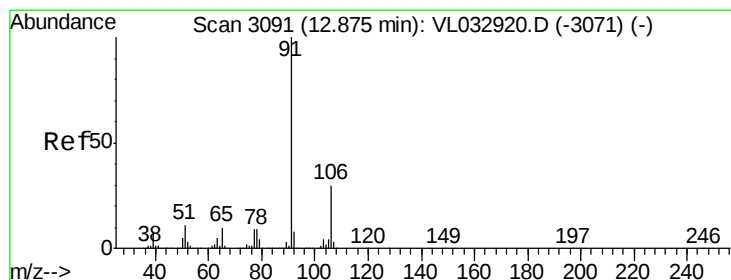
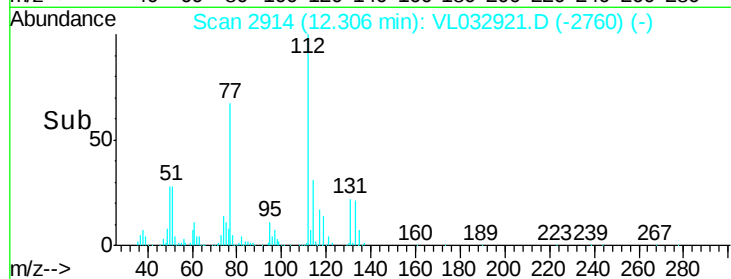
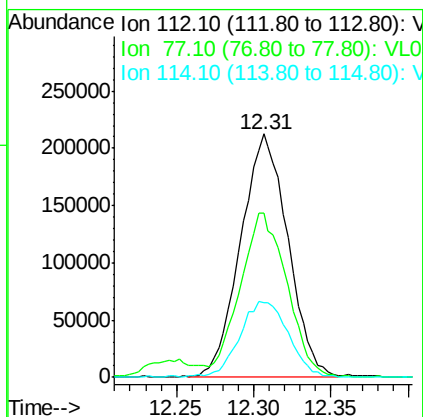
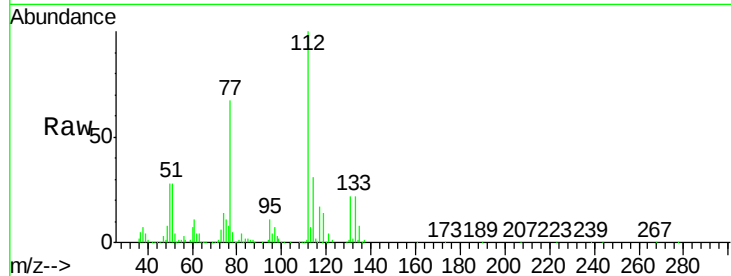
#57
Chlorobenzene
Concen: 1.928 ppbv
RT: 12.31 min Scan# 2914
Delta R.T. -0.01 min
Lab File: VL032921.D
Acq: 7 Dec 2018 4:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
112	100		
77	67.3	51.1	76.7
114	30.5	28.4	34.7

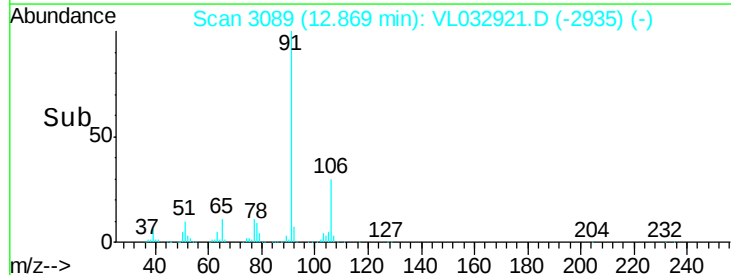
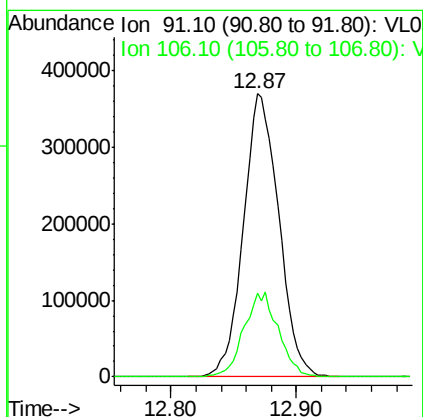
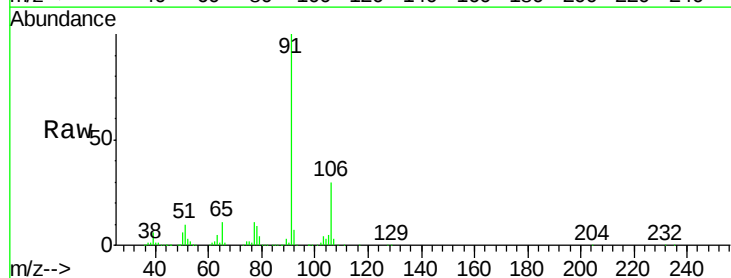
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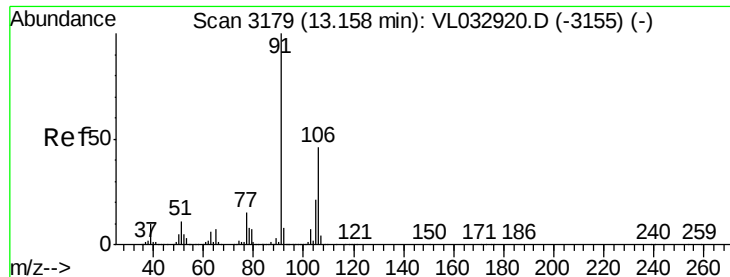
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#58
Ethyl Benzene
Concen: 2.045 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.01 min
Lab File: VL032921.D
Acq: 7 Dec 2018 4:19

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.9	35.9





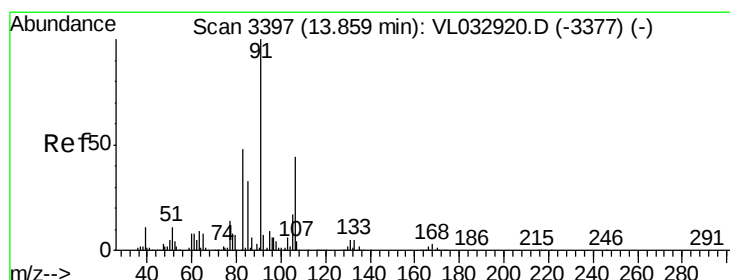
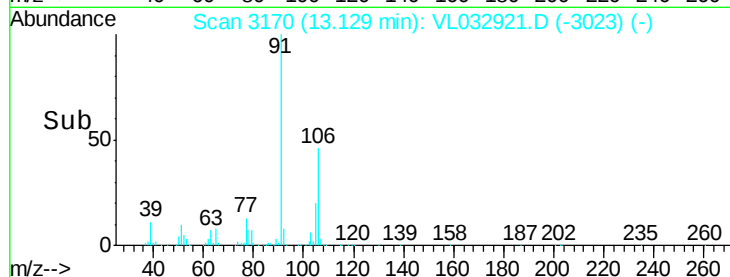
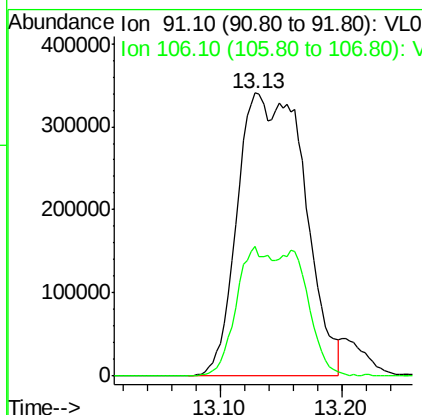
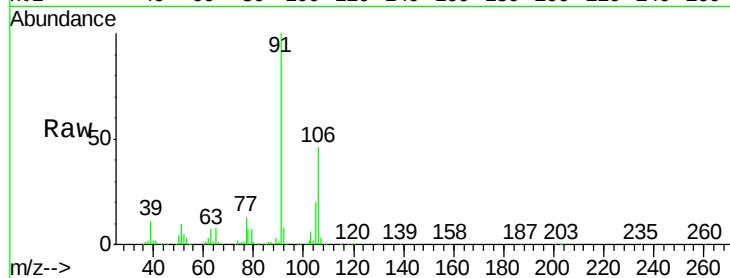
#59
m/p-Xylene
Concen: 4.058 ppbv m
RT: 13.13 min Scan# 3170
Delta R.T. -0.03 min
Lab File: VL032921.D
Acq: 7 Dec 2018 4:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 91 Resp: 1301459
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

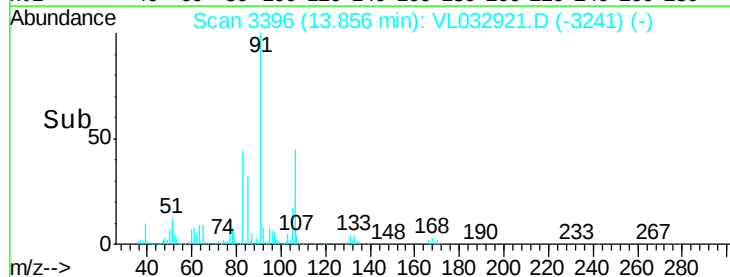
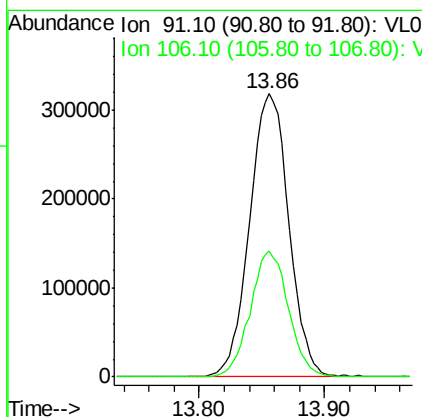
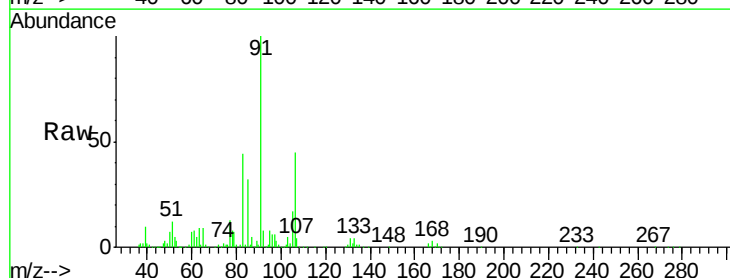
Manual Integrations
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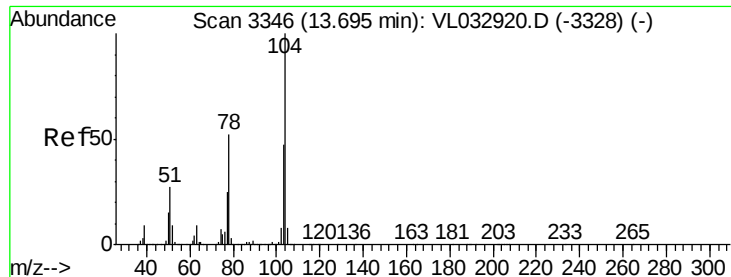
MMDadoda
12/11/2018 10:07:59 AM



#60
o-Xylene
Concen: 2.206 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL032921.D
Acq: 7 Dec 2018 4:19

Tgt Ion: 91 Resp: 691111
Ion Ratio Lower Upper
91 100
106 43.4 21.9 65.8





#61

Styrene

Concen: 2.102 ppbv

RT: 13.69 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VL032921.D

Acq: 7 Dec 2018 4:19

Instrument :

MSVOA_L

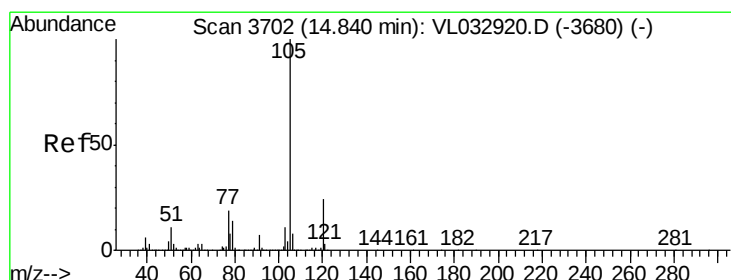
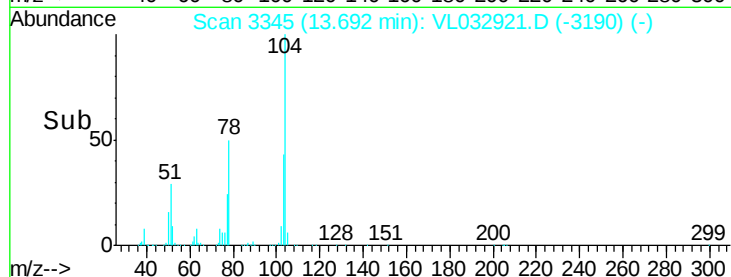
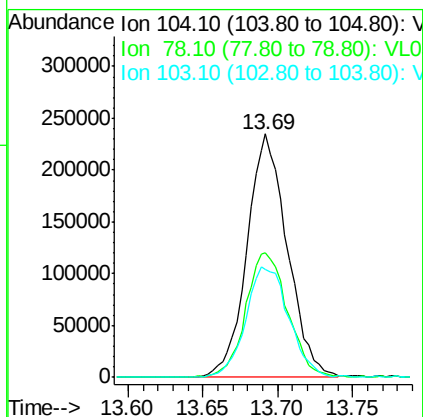
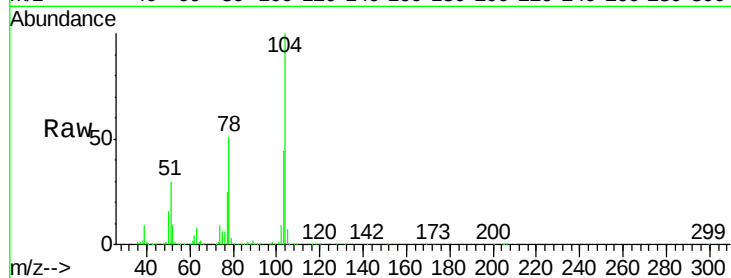
ClientSampleId :

VSTDIC002

Tgt Ion:	104	Resp:	439815
Ion Ratio	Lower	Upper	
104	100		
78	53.4	42.0	63.0
103	49.1	38.3	57.5

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12/11/2018 10:07:59 AM



#62

Isopropylbenzene

Concen: 2.046 ppbv

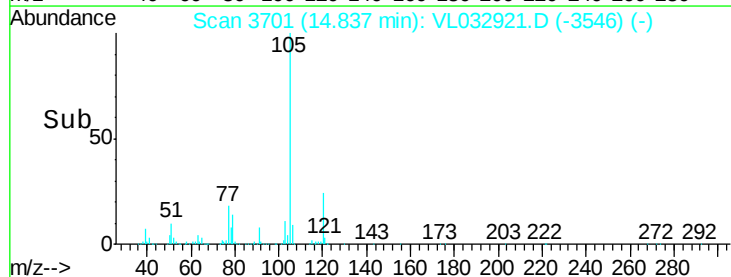
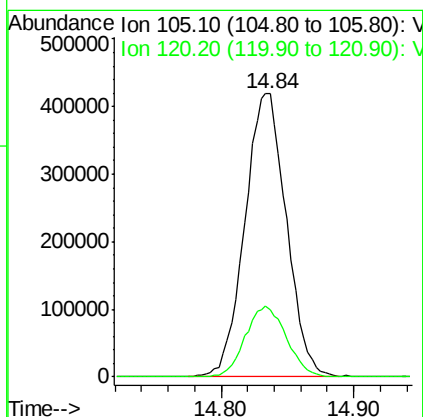
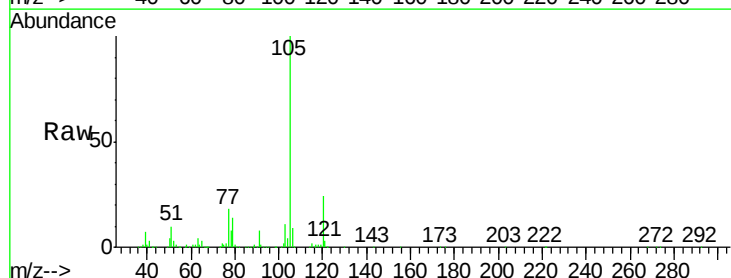
RT: 14.84 min Scan# 3701

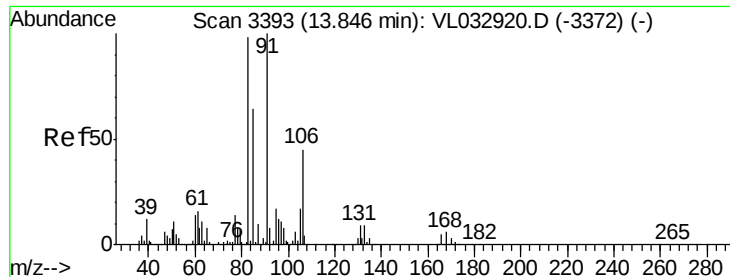
Delta R.T. -0.00 min

Lab File: VL032921.D

Acq: 7 Dec 2018 4:19

Tgt Ion:	105	Resp:	909612
Ion Ratio	Lower	Upper	
105	100		
120	24.7	20.3	30.5





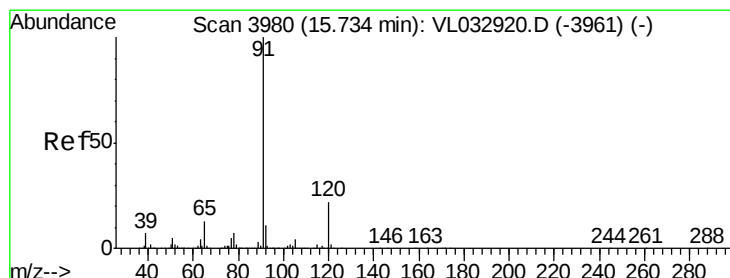
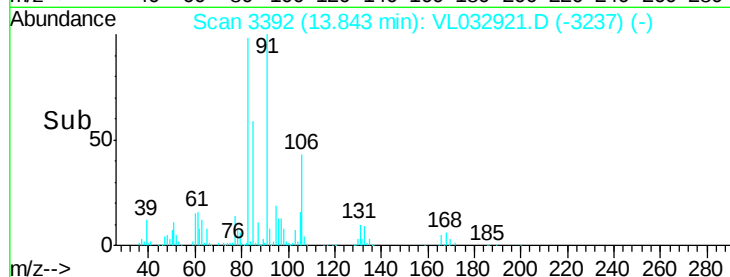
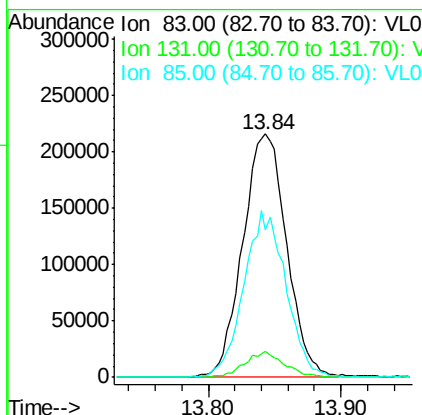
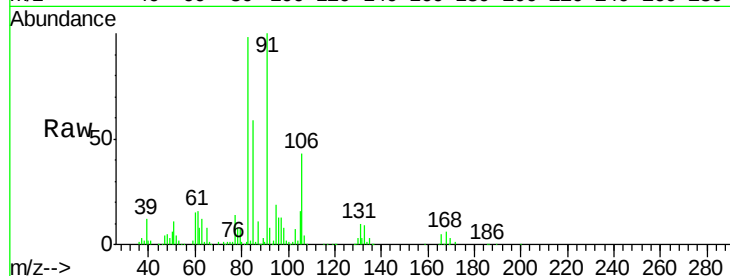
#63
1,1,2,2-Tetrachloroethane
Concen: 2.094 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.00 min
Lab File: VL032921.D
Acq: 7 Dec 2018 4:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
131	9.6	4.9	14.6
85	65.8	32.9	98.6

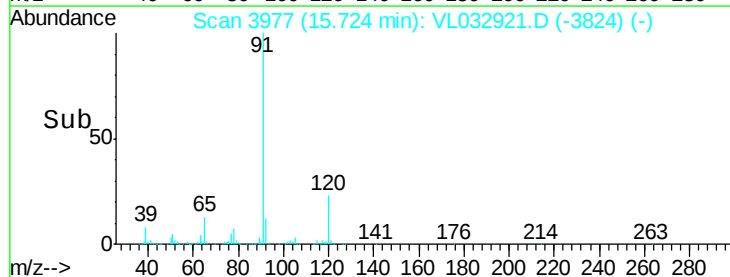
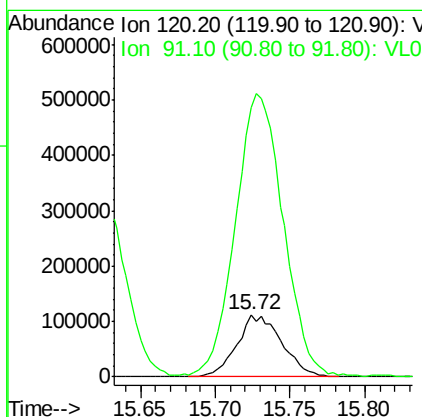
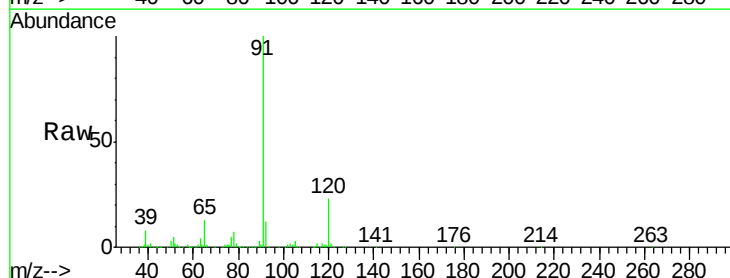
Manual Integrations
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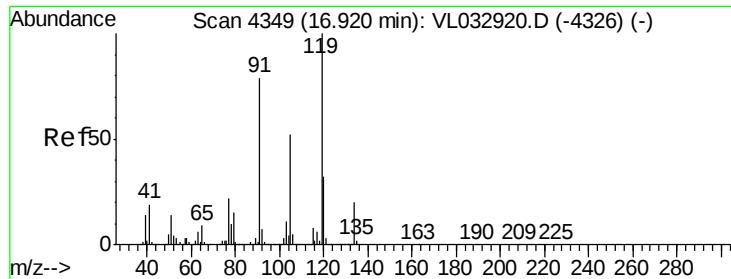
MMDadoda
12/11/2018 10:07:59 AM



#64
n-propylbenzene
Concen: 2.091 ppbv
RT: 15.72 min Scan# 3977
Delta R.T. -0.01 min
Lab File: VL032921.D
Acq: 7 Dec 2018 4:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
120	100		
91	487.6	380.4	570.6





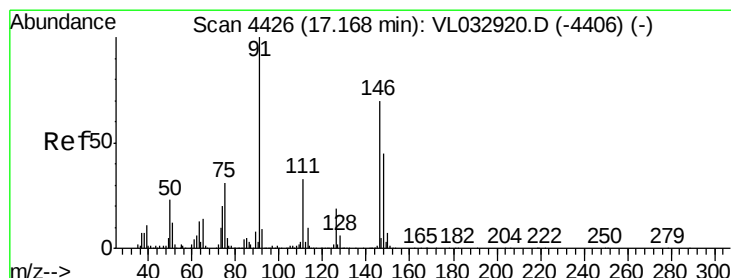
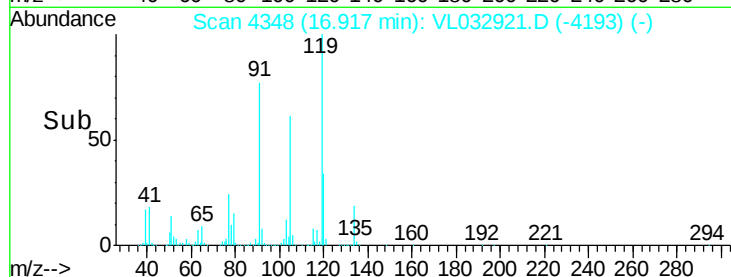
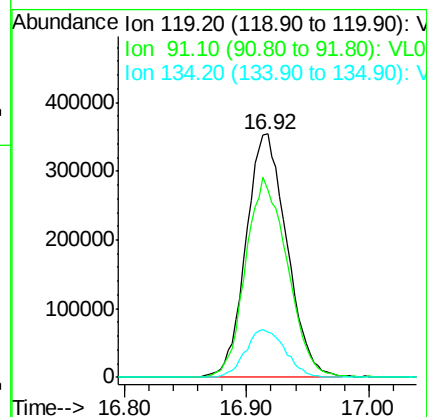
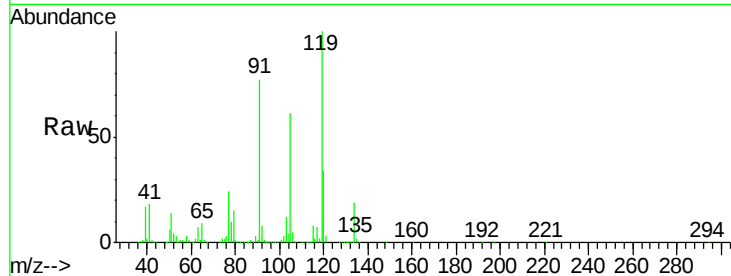
#65
tert-Butylbenzene
Concen: 2.148 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. -0.00 min
Lab File: VL032921.D
Acq: 7 Dec 2018 4:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	819167		
91	84.0	64.5	96.7	
134	19.4	15.7	23.5	

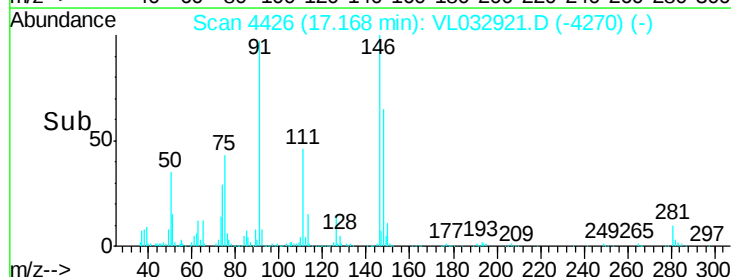
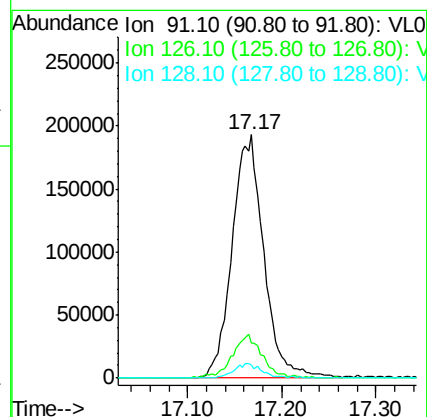
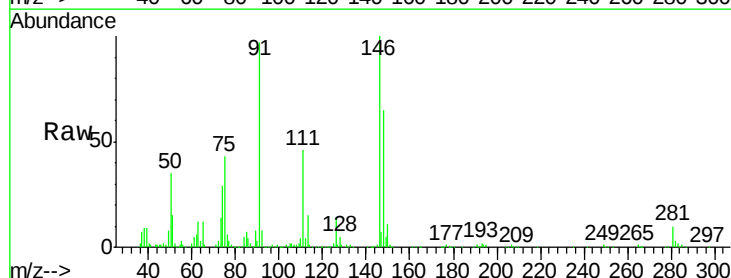
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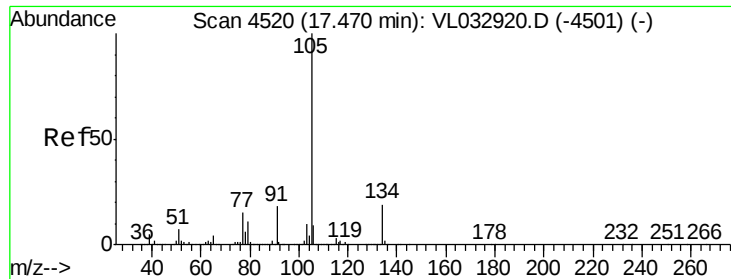
MMDadoda
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#66
Benzyl Chloride
Concen: 2.233 ppbv m
RT: 17.17 min Scan# 4426
Delta R.T. 0.00 min
Lab File: VL032921.D
Acq: 7 Dec 2018 4:19

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	451544		
126	0.0	14.1	21.1#	
128	0.0	4.5	6.7#	





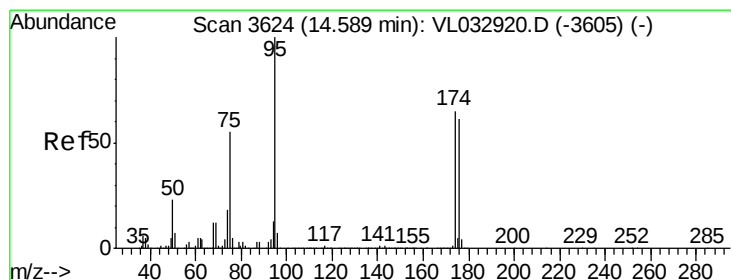
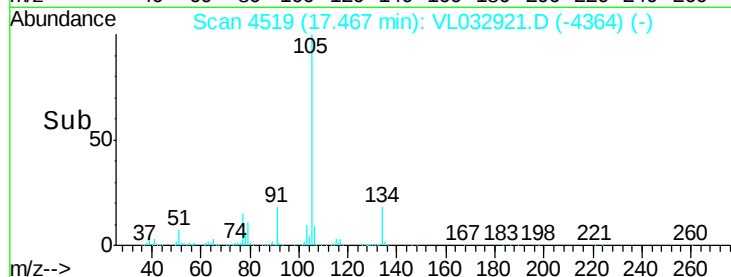
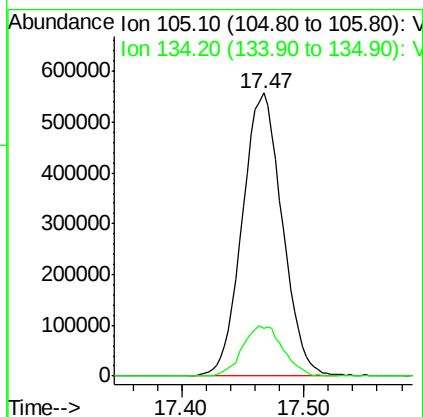
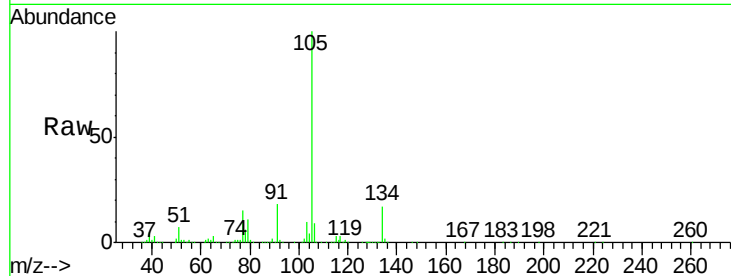
#67
 sec-Butylbenzene
 Concen: 2.333 ppbv
 RT: 17.47 min Scan# 4519
 Delta R.T. -0.00 min
 Lab File: VL032921.D
 Acq: 7 Dec 2018 4:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 105 Resp: 1261628
 Ion Ratio Lower Upper
 105 100
 134 18.1 14.6 21.8

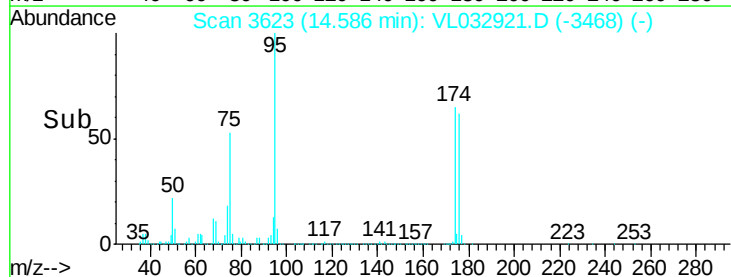
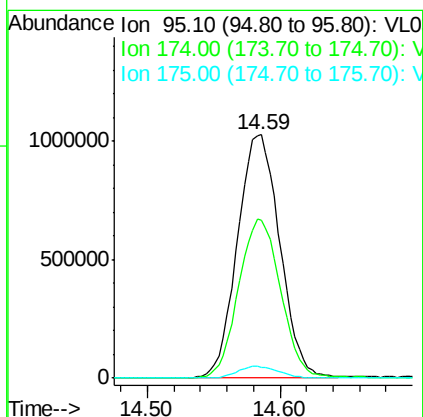
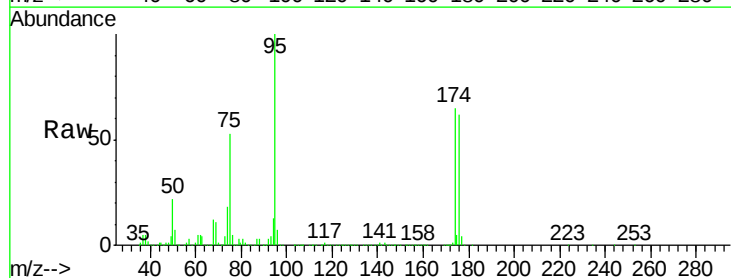
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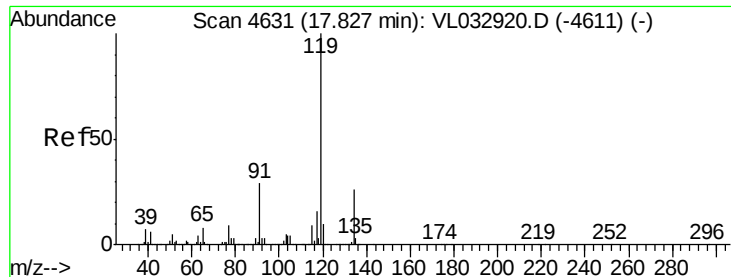
MMDadoda
 12/11/2018 10:07:59 AM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.028 ppbv
 RT: 14.59 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VL032921.D
 Acq: 7 Dec 2018 4:19

Tgt Ion: 95 Resp: 2282888
 Ion Ratio Lower Upper
 95 100
 174 65.9 51.4 77.0
 175 4.8 3.8 5.6





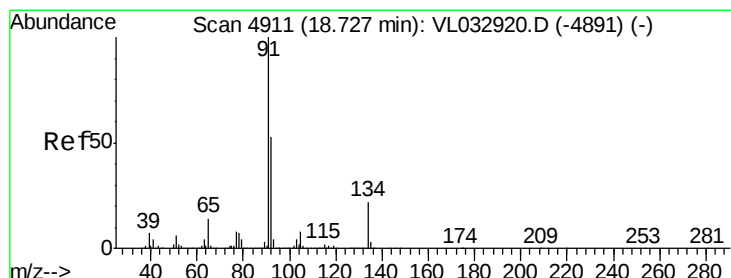
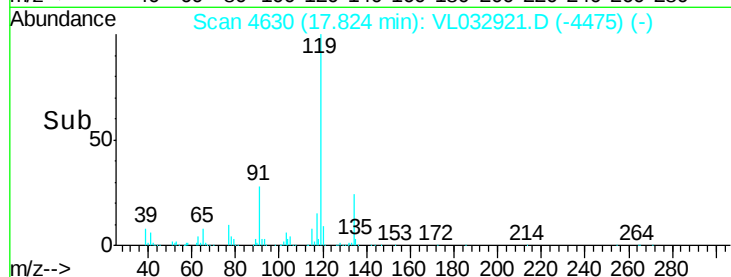
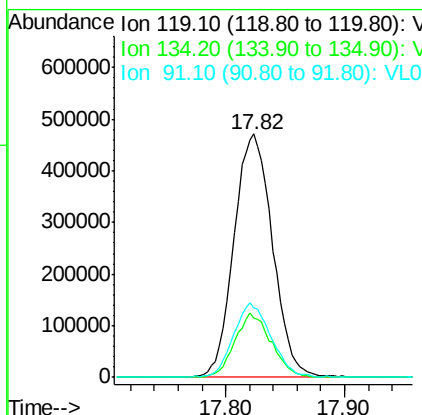
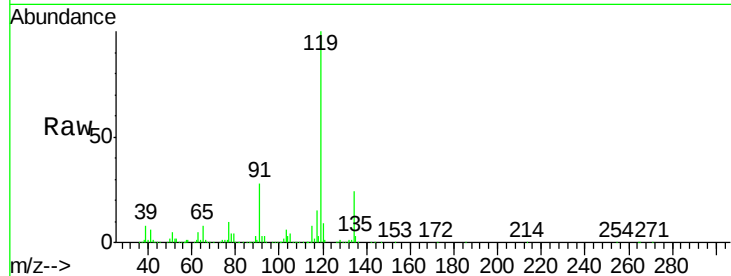
#69
p-Isopropyltoluene
Concen: 2.449 ppbv
RT: 17.82 min Scan# 4630
Delta R.T. -0.00 min
Lab File: VL032921.D
Acq: 7 Dec 2018 4:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 119 Resp: 1052632
Ion Ratio Lower Upper
119 100
134 25.1 20.2 30.2
91 30.1 22.9 34.3

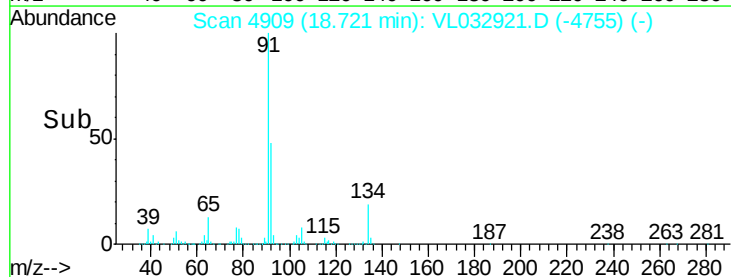
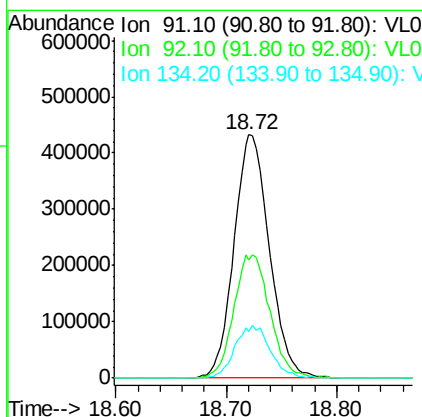
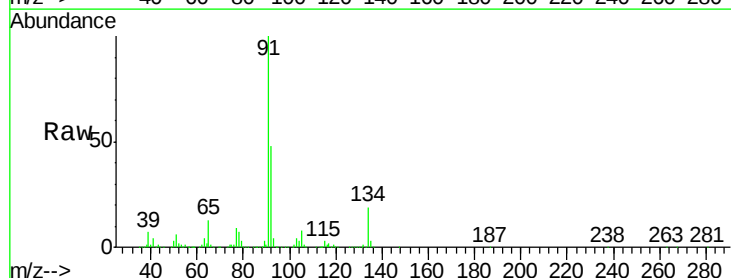
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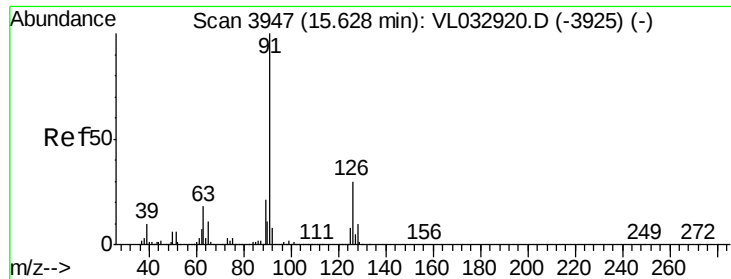
MMDadoda
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#70
n-Butylbenzene
Concen: 2.261 ppbv
RT: 18.72 min Scan# 4909
Delta R.T. -0.01 min
Lab File: VL032921.D
Acq: 7 Dec 2018 4:19

Tgt Ion: 91 Resp: 956081
Ion Ratio Lower Upper
91 100
92 51.9 42.7 64.1
134 21.9 18.0 27.0





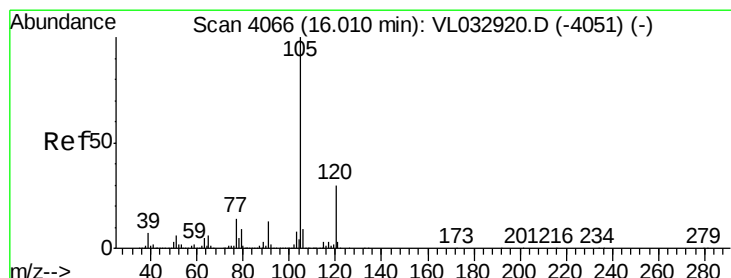
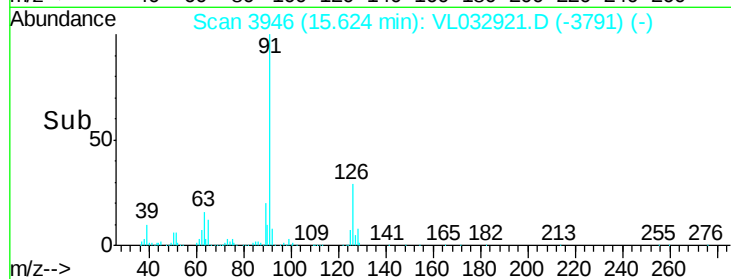
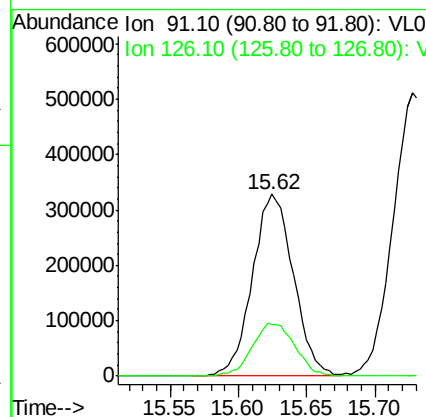
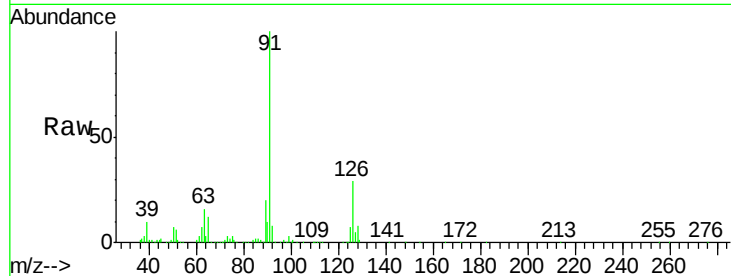
#71
 2-Chlorotoluene
 Concen: 2.139 ppbv
 RT: 15.62 min Scan# 3946
 Delta R.T. -0.00 min
 Lab File: VL032921.D
 Acq: 7 Dec 2018 4:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Tgt Ion: 91 Resp: 686891
 Ion Ratio Lower Upper
 91 100
 126 30.4 12.3 49.3

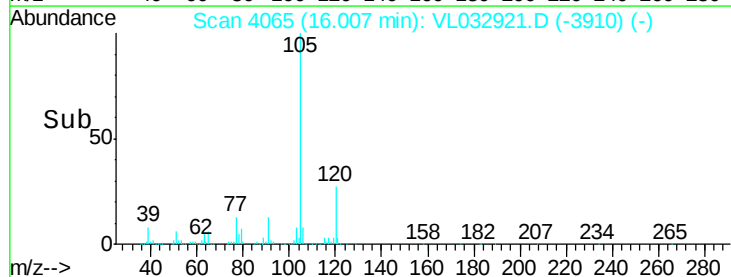
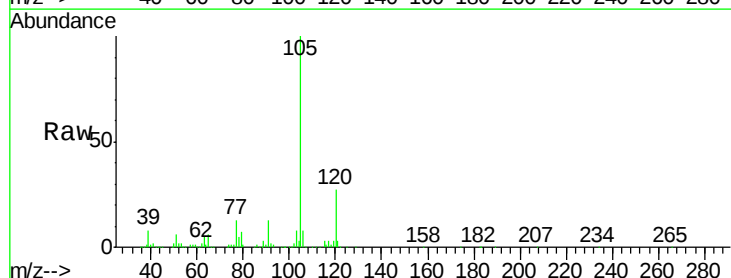
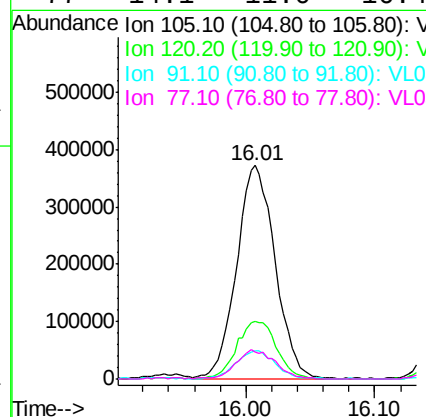
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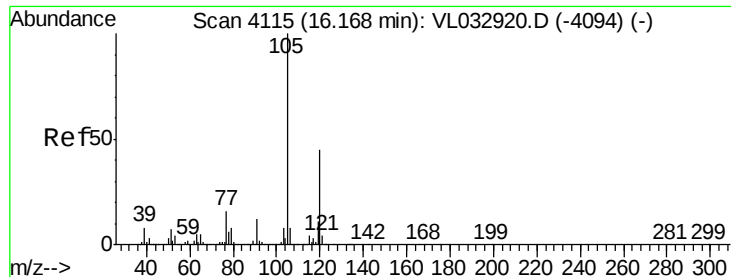
MMDadoda
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#72
 4-Ethyltoluene
 Concen: 2.323 ppbv
 RT: 16.01 min Scan# 4065
 Delta R.T. -0.00 min
 Lab File: VL032921.D
 Acq: 7 Dec 2018 4:19

Tgt Ion: 105 Resp: 767946
 Ion Ratio Lower Upper
 105 100
 120 28.0 23.0 34.4
 91 14.8 10.4 15.6
 77 14.1 11.0 16.4





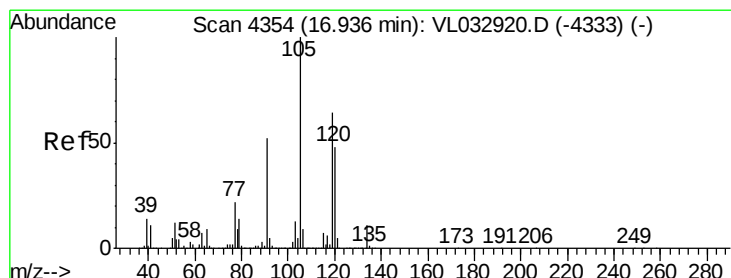
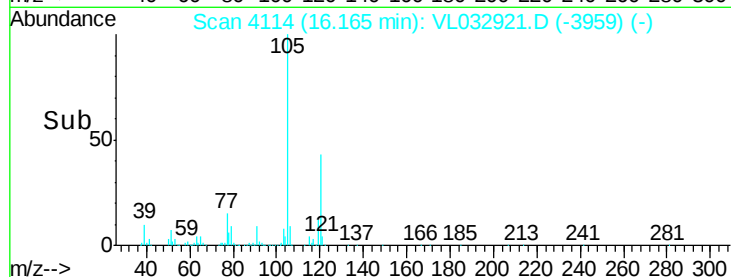
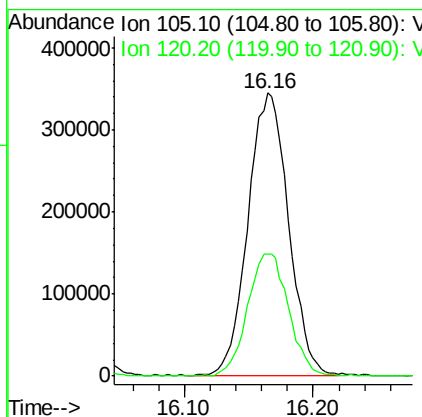
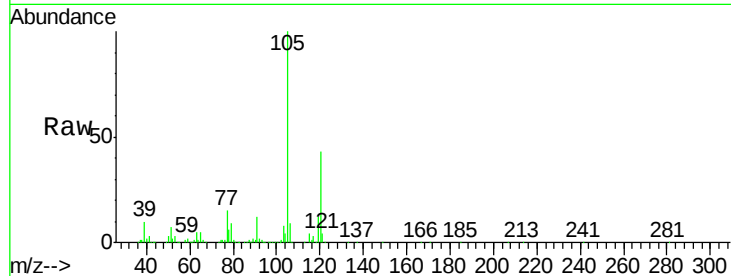
#73
 1,3,5-Trimethylbenzene
 Concen: 2.364 ppbv
 RT: 16.16 min Scan# 4114
 Delta R.T. -0.00 min
 Lab File: VL032921.D
 Acq: 7 Dec 2018 4:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:105 Resp: 752943
 Ion Ratio Lower Upper
 105 100
 120 43.2 36.0 54.0

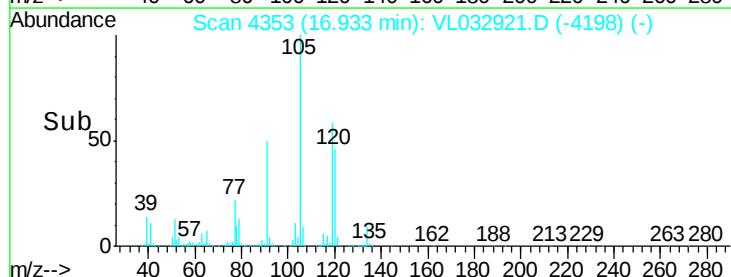
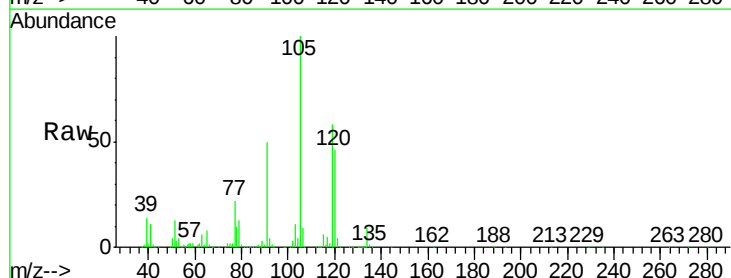
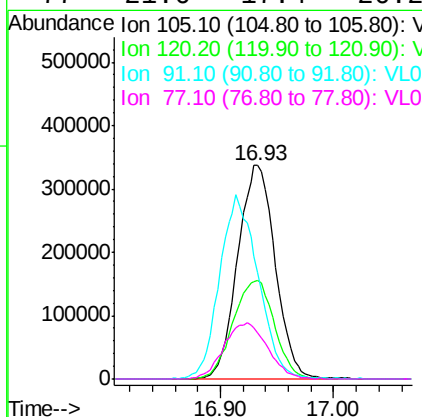
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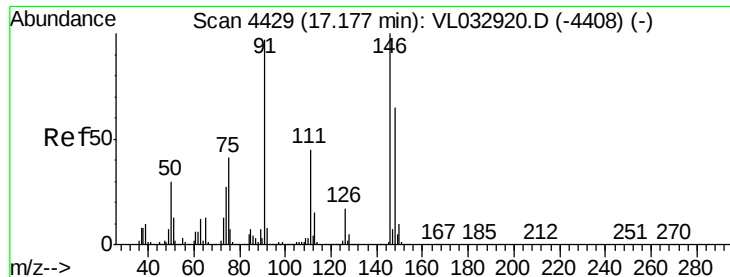
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#74
 1,2,4-Trimethylbenzene
 Concen: 2.248 ppbv
 RT: 16.93 min Scan# 4353
 Delta R.T. -0.00 min
 Lab File: VL032921.D
 Acq: 7 Dec 2018 4:19

Tgt Ion:105 Resp: 778681
 Ion Ratio Lower Upper
 105 100
 120 46.2 38.6 58.0
 91 49.5 41.7 62.5
 77 21.6 17.4 26.2





#75

1,3-Dichlorobenzene

Concen: 2.359 ppbv

RT: 17.17 min Scan# 4427

Delta R.T. -0.01 min

Lab File: VL032921.D

Acq: 7 Dec 2018 4:19

Instrument :

MSVOA_L

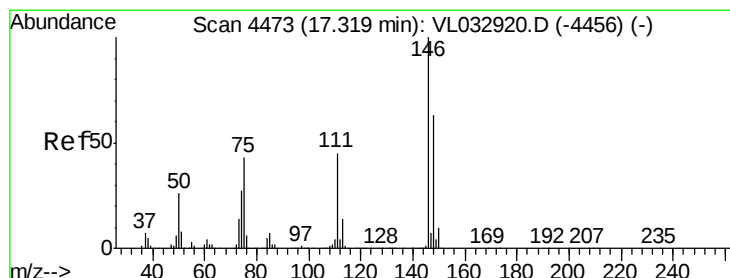
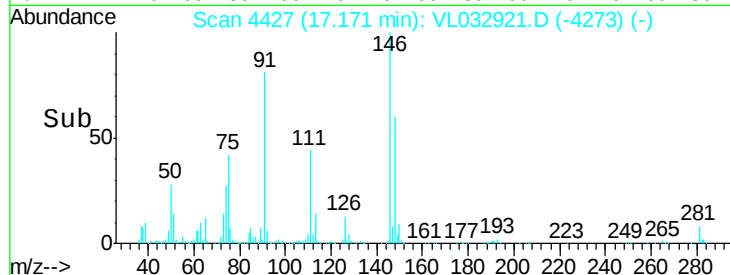
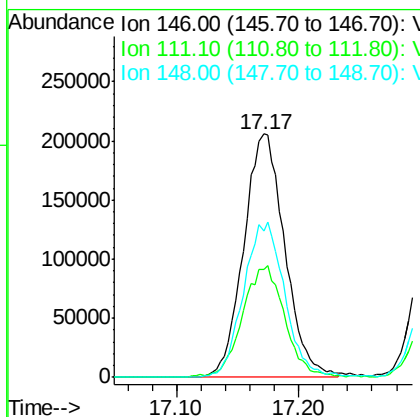
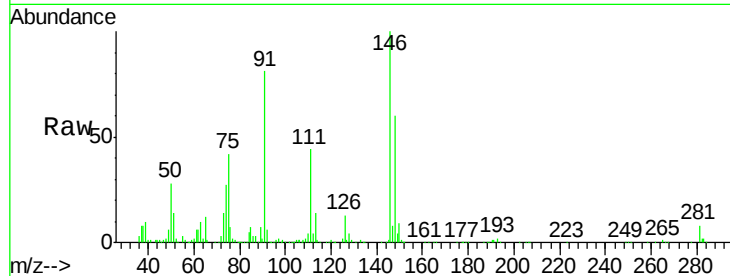
ClientSampleId :

VSTDIC002

Tgt Ion:	146	Resp:	478606
Ion Ratio	Lower	Upper	
146	100		
111	47.5	23.6	70.8
148	64.3	32.1	96.3

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 2.287 ppbv

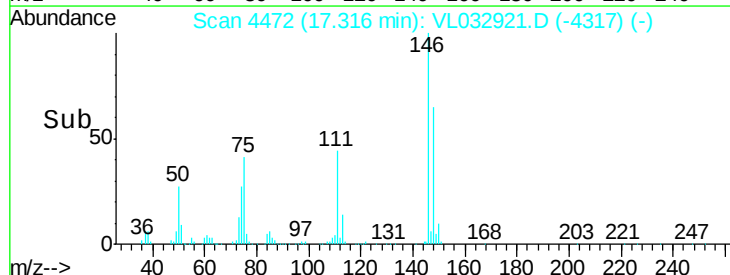
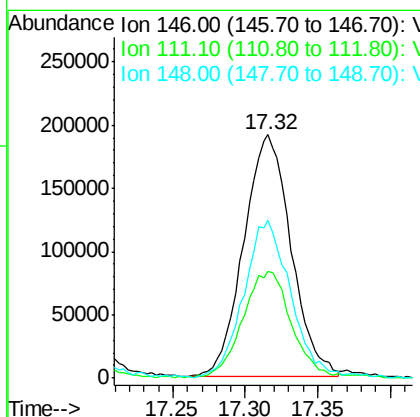
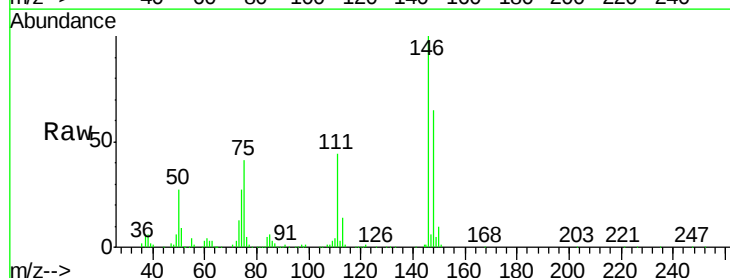
RT: 17.32 min Scan# 4472

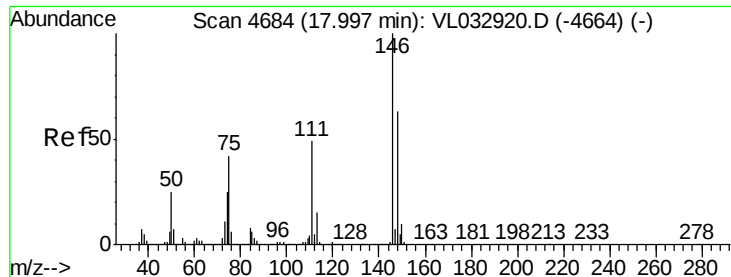
Delta R.T. -0.00 min

Lab File: VL032921.D

Acq: 7 Dec 2018 4:19

Tgt Ion:	146	Resp:	434587
Ion Ratio	Lower	Upper	
146	100		
111	46.6	22.8	68.4
148	66.0	32.0	96.2





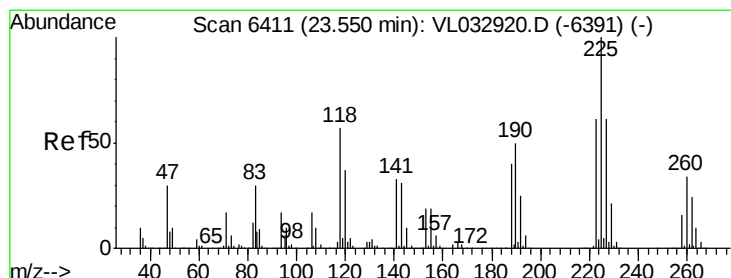
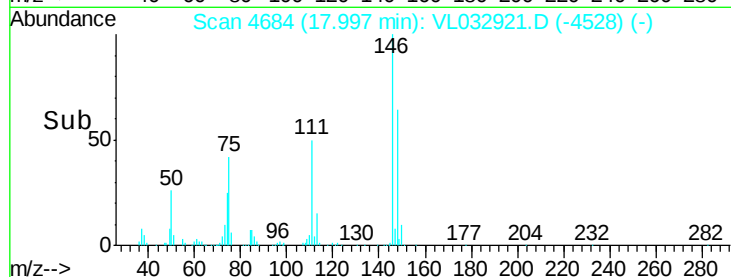
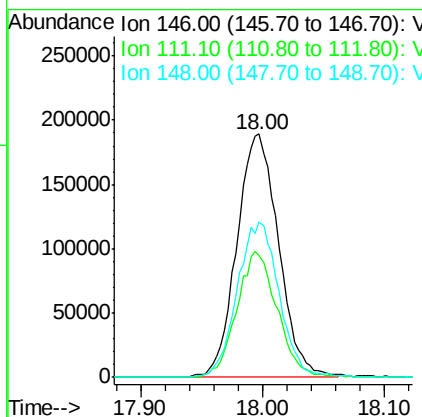
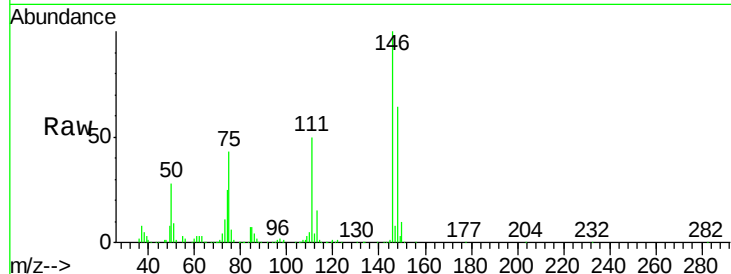
#77
 1,2-Dichlorobenzene
 Concen: 2.330 ppbv
 RT: 18.00 min Scan# 4684
 Delta R.T. 0.00 min
 Lab File: VL032921.D
 Acq: 7 Dec 2018 4:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.5	24.3	72.9
148	64.3	32.0	96.2

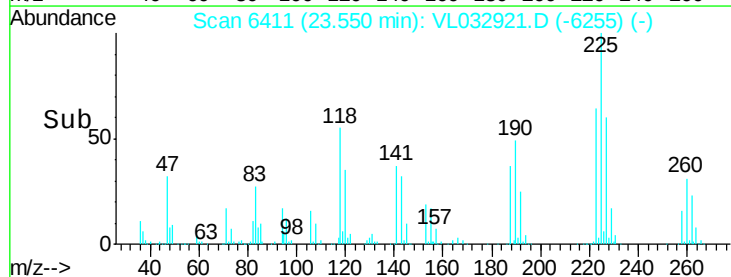
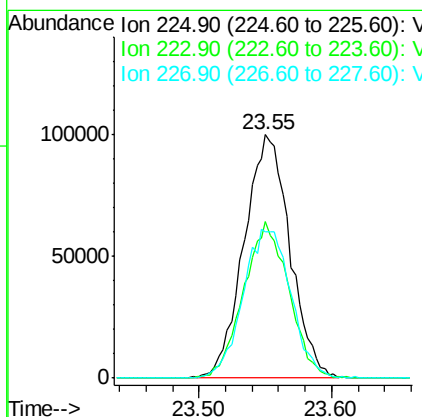
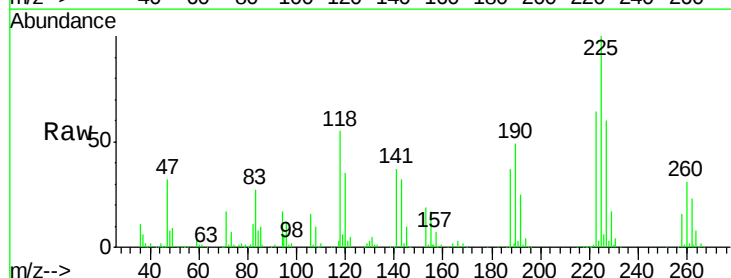
Manual Integrations
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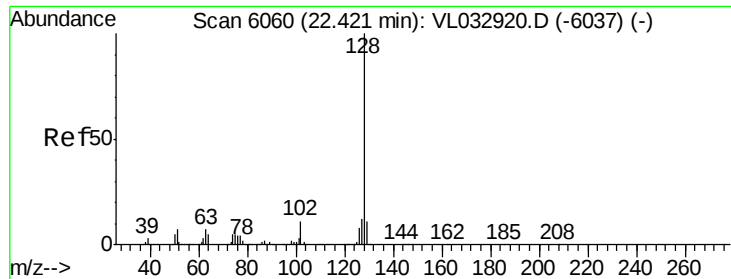
MMDadoda
 12/11/2018 10:07:59 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 1.985 ppbv
 RT: 23.55 min Scan# 6411
 Delta R.T. 0.00 min
 Lab File: VL032921.D
 Acq: 7 Dec 2018 4:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.6	75.8
227	64.1	50.4	75.6





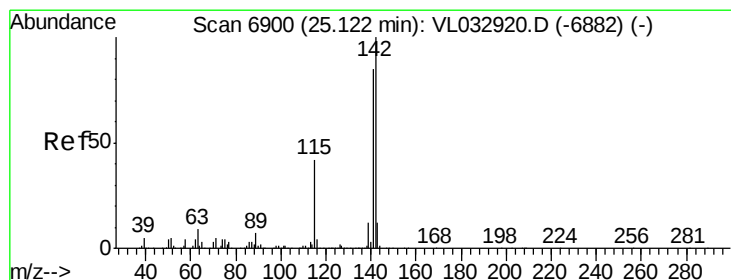
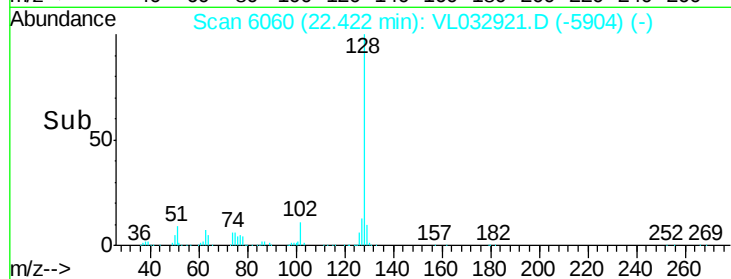
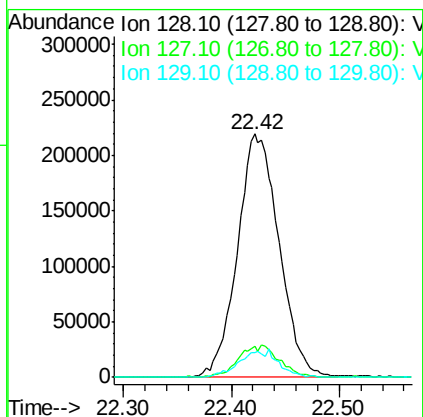
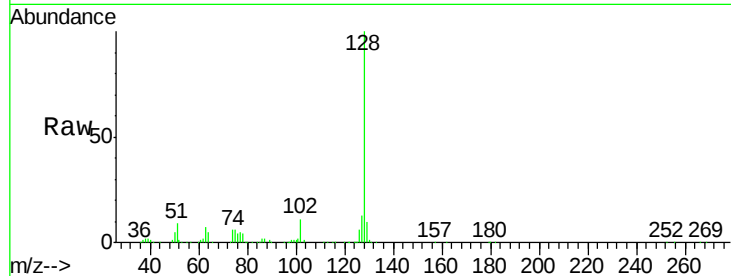
#79
Naphthalene
Concen: 2.869 ppbv
RT: 22.42 min Scan# 6060
Delta R.T. 0.00 min
Lab File: VL032921.D
Acq: 7 Dec 2018 4:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.7	9.9	14.9
129	10.3	8.6	13.0

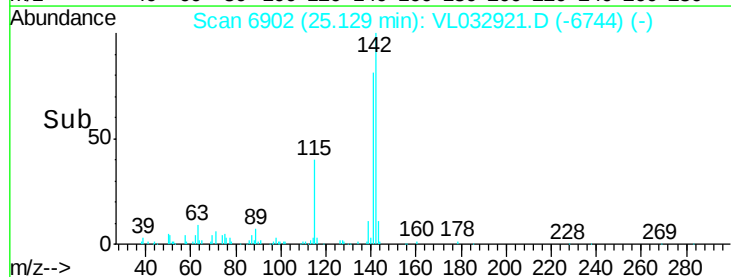
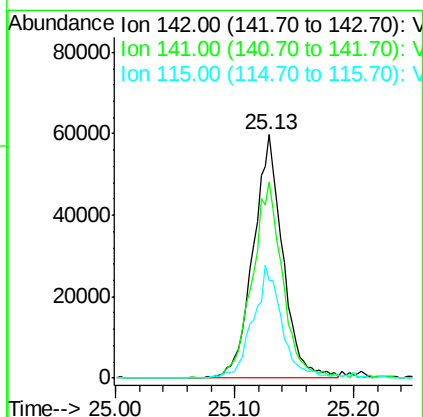
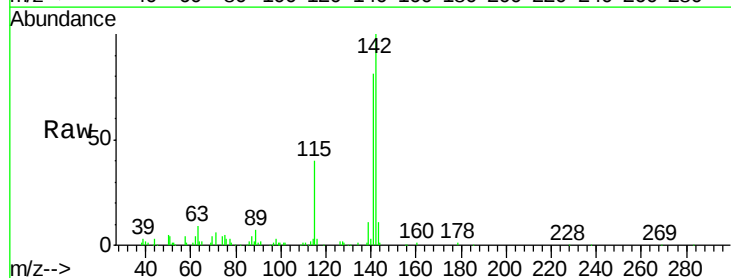
Manual Integrations
APPROVED

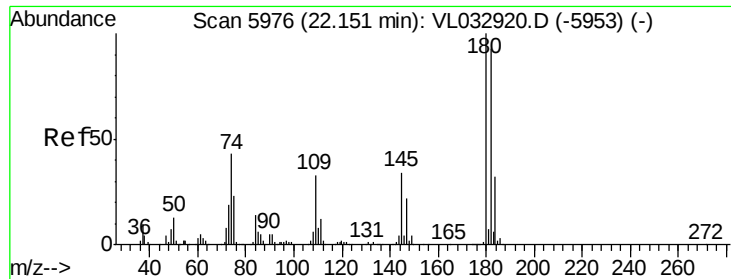
MMDadoda
12/11/2018 10:07:59 AM



#80
Naphthalene, 2-methyl-
Concen: 2.237 ppbv
RT: 25.13 min Scan# 6902
Delta R.T. 0.01 min
Lab File: VL032921.D
Acq: 7 Dec 2018 4:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
141	83.7	68.2	102.2
115	46.0	35.1	52.7





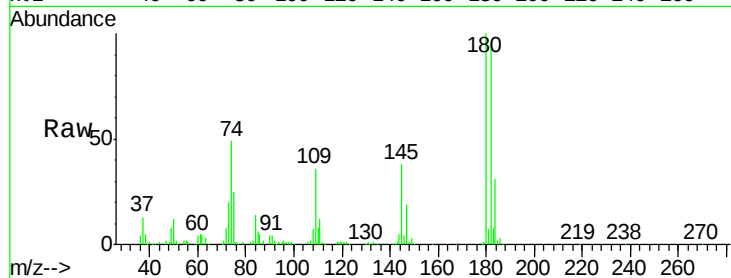
#81
 1,2,4-Trichlorobenzene
 Concen: 2.644 ppbv
 RT: 22.15 min Scan# 5974
 Delta R.T. -0.01 min
 Lab File: VL032921.D
 Acq: 7 Dec 2018 4:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	285551		
182	98.0	77.0	115.6	
184	31.4	24.3	36.5	

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 10:07:59 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

