

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081519\
 Data File : VX011569.D
 Acq On : 15 Aug 2019 20:01
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX081519

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 8:29:44 AM

Quant Time: Aug 16 04:21:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	412639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	569856	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	512557	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	282053	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	177076	46.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.54%	
35) Dibromofluoromethane	5.49	113	171284	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	
50) Toluene-d8	8.71	98	546081	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
62) 4-Bromofluorobenzene	11.13	95	229428	46.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	218357	53.835	ug/l	99
3) Chloromethane	1.32	50	193579	45.951	ug/l	99
4) Vinyl Chloride	1.40	62	189066	49.683	ug/l	99
5) Bromomethane	1.63	94	88729	52.036	ug/l	99
6) Chloroethane	1.71	64	87402	48.528	ug/l	98
7) Trichlorofluoromethane	1.92	101	262736	49.846	ug/l	96
8) Diethyl Ether	2.18	74	90680	50.152	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	174681	47.980	ug/l	99
10) Methyl Iodide	2.50	142	284492	54.854	ug/l	99
11) Tert butyl alcohol	3.04	59	242260	258.054	ug/l	98
12) 1,1-Dichloroethene	2.37	96	171401	48.716	ug/l	94
13) Acrolein	2.29	56	69624	241.464	ug/l	100
14) Allyl chloride	2.72	41	291042	49.727	ug/l	98
15) Acrylonitrile	3.14	53	540748	251.672	ug/l	100
16) Acetone	2.43	43	459111	238.607	ug/l	99
17) Carbon Disulfide	2.56	76	425845	51.365	ug/l	99
18) Methyl Acetate	2.76	43	302348	50.667	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	581387	50.737	ug/l	98
20) Methylene Chloride	2.85	84	190425	47.135	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	182253	48.881	ug/l	97
22) Diisopropyl ether	3.85	45	580140	49.772	ug/l	100
23) Vinyl Acetate	3.81	43	2374268	257.235	ug/l	100
24) 1,1-Dichloroethane	3.69	63	321784	48.829	ug/l	100
25) 2-Butanone	4.67	43	756393	250.402	ug/l	98
26) 2,2-Dichloropropane	4.57	77	239241	48.234	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	213344	49.084	ug/l	99
28) Bromochloromethane	5.01	49	145474	50.286	ug/l	99
29) Tetrahydrofuran	5.12	42	498744	251.700	ug/l	99
30) Chloroform	5.20	83	334916	48.156	ug/l	98
31) Cyclohexane	5.57	56	286290	50.457	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	300098	50.182	ug/l	99
36) 1,1-Dichloropropene	5.79	75	244110	50.103	ug/l	99
37) Ethyl Acetate	4.82	43	282760	50.457	ug/l	99
38) Carbon Tetrachloride	5.77	117	268596	50.038	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	299607	49.795	ug/l	99
40) Benzene	6.13	78	740111	48.882	ug/l	99
41) Methacrylonitrile	5.04	41	157049	50.920	ug/l	99
42) 1,2-Dichloroethane	6.18	62	259230	49.417	ug/l	99
43) Isopropyl Acetate	6.44	43	441649	50.499	ug/l	100
44) Trichloroethene	7.21	130	223886	49.846	ug/l	96
45) 1,2-Dichloropropane	7.51	63	191448	50.701	ug/l	99
46) Dibromomethane	7.66	93	134214	48.912	ug/l	98
47) Bromodichloromethane	7.90	83	254208	50.456	ug/l	99
48) Methyl methacrylate	7.76	41	224102	51.744	ug/l	99
49) 1,4-Dioxane	7.74	88	115288	1000.821	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1467853	256.422	ug/l	99
52) Toluene	8.78	92	480566	49.820	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	276591	52.896	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	303165	52.979	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	200167	48.798	ug/l	98
56) Ethyl methacrylate	9.18	69	311162	52.191	ug/l	99
57) 1,3-Dichloropropane	9.37	76	322510	49.462	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	768435	258.678	ug/l	100
59) 2-Hexanone	9.49	43	1140079	258.265	ug/l	100
60) Dibromochloromethane	9.58	129	227761	53.292	ug/l	99
61) 1,2-Dibromoethane	9.67	107	219544	50.149	ug/l	100
64) Tetrachloroethene	9.34	164	213320	50.725	ug/l	96
65) Chlorobenzene	10.13	112	537504	49.166	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	211916	51.862	ug/l	100
67) Ethyl Benzene	10.25	91	925100	50.704	ug/l	100
68) m/p-Xylenes	10.35	106	723295	103.277	ug/l	99
69) o-Xylene	10.69	106	350397	51.078	ug/l	97
70) Styrene	10.71	104	603533	52.261	ug/l	100
71) Bromoform	10.85	173	185747	46.990	ug/l #	99
73) Isopropylbenzene	11.02	105	940409	51.383	ug/l	100
74) N-amyl acetate	10.90	43	400539	51.498	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	312271	49.599	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	266724m	49.870	ug/l	
77) Bromobenzene	11.26	156	276542	50.787	ug/l	99
78) n-propylbenzene	11.36	91	1035141	52.452	ug/l	100
79) 2-Chlorotoluene	11.42	91	621037	51.248	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	794952	51.706	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	96071	48.780	ug/l	98
82) 4-Chlorotoluene	11.51	91	724435	51.528	ug/l	99
83) tert-Butylbenzene	11.77	119	810829	51.782	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	810347	52.502	ug/l	99
85) sec-Butylbenzene	11.94	105	918513	51.992	ug/l	100
86) p-Isopropyltoluene	12.06	119	877272	52.784	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	473192	50.558	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	477247	50.310	ug/l	99
89) n-Butylbenzene	12.38	91	725274	53.079	ug/l	100
90) Hexachloroethane	12.59	117	138819	52.892	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	475021	50.559	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	72450	50.299	ug/l	99

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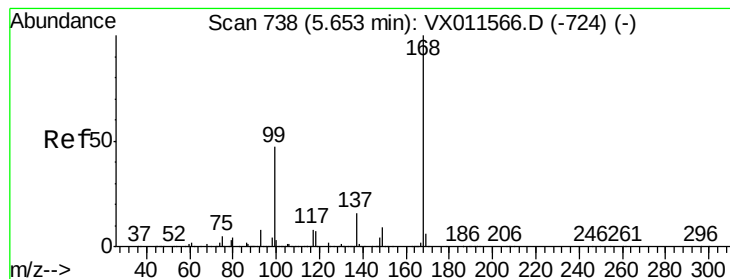
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	370701	52.954	ug/l	100
94) Hexachlorobutadiene	13.78	225	194645	51.063	ug/l	99
95) Naphthalene	13.83	128	1074533	54.295	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	374694	53.067	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Instrument :

MSVOA_X

ClientSampleId :

ICVVX081519

Tot Ion:168 Resp: 412639

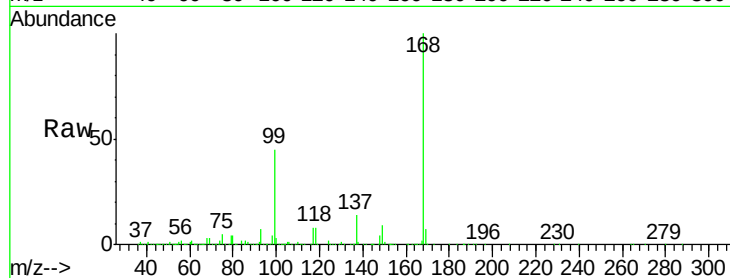
Ion Ratio Lower Upper

168 100

99 44.4 37.3 55.9

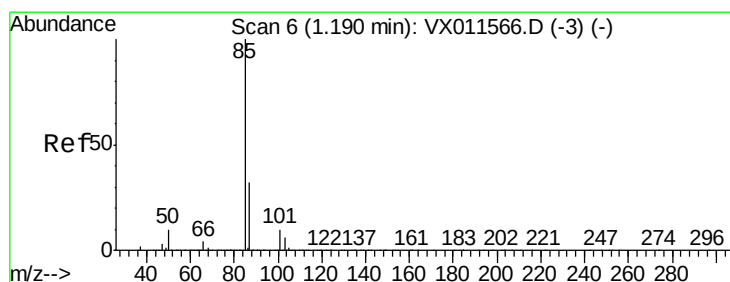
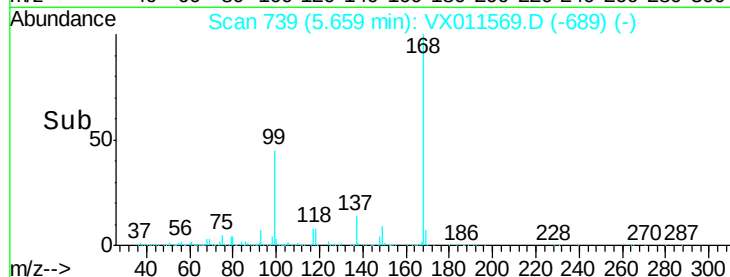
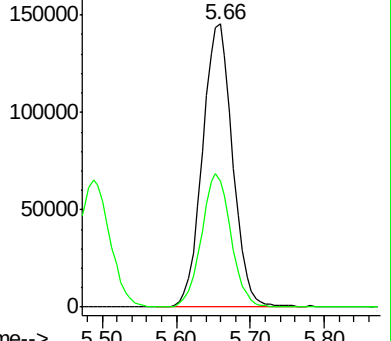
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 53.835 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011569.D

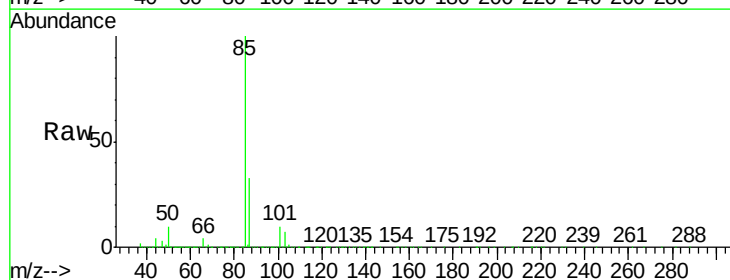
Acq: 15 Aug 2019 20:01

Tgt Ion: 85 Resp: 218357

Ion Ratio Lower Upper

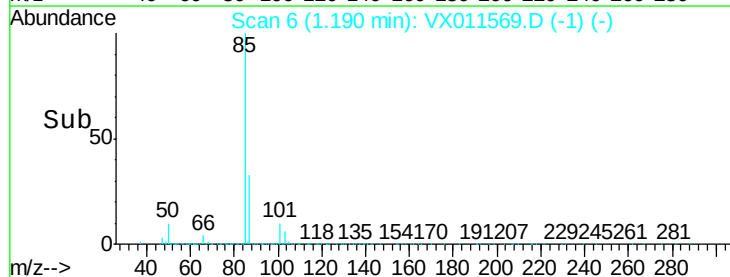
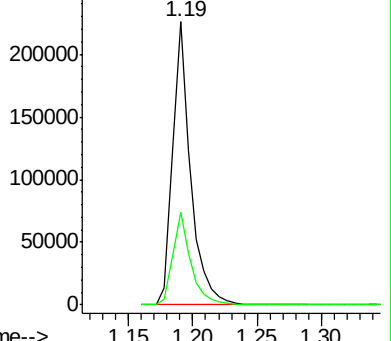
85 100

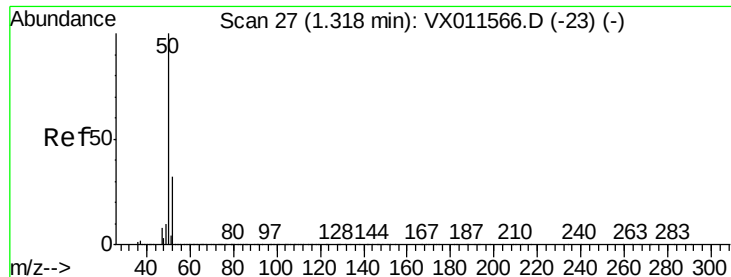
87 32.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 45.951 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Instrument :

MSVOA_X

ClientSampleId :

ICVVX081519

Tot Ion: 50 Resp: 193579

Ion Ratio Lower Upper

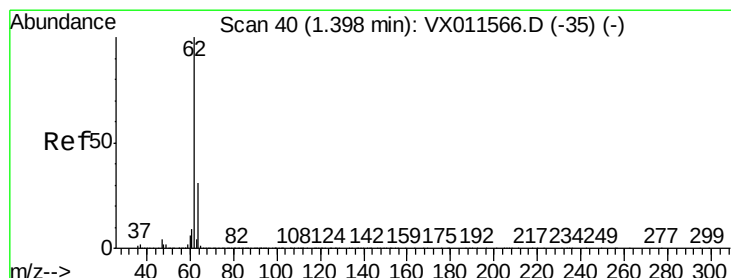
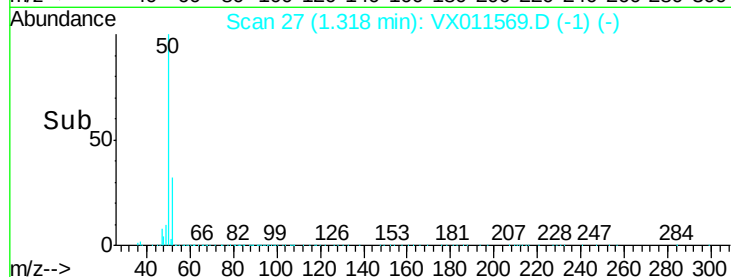
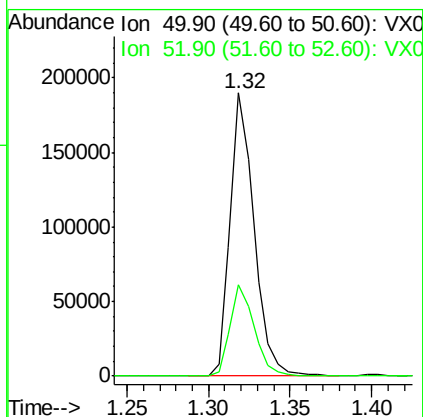
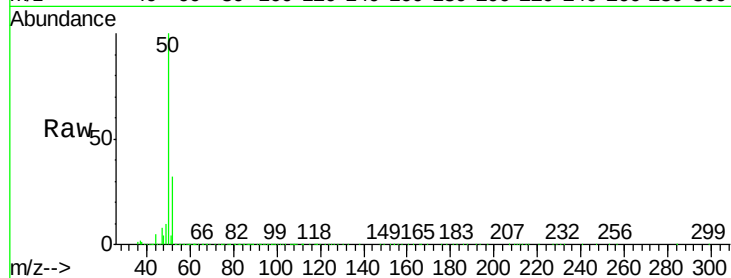
50 100

52 32.0 26.0 39.0

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#4

Vinyl Chloride

Concen: 49.683 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011569.D

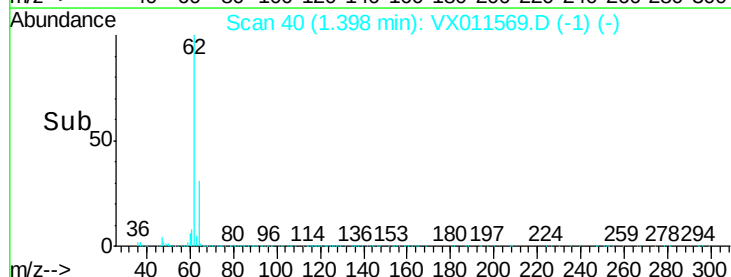
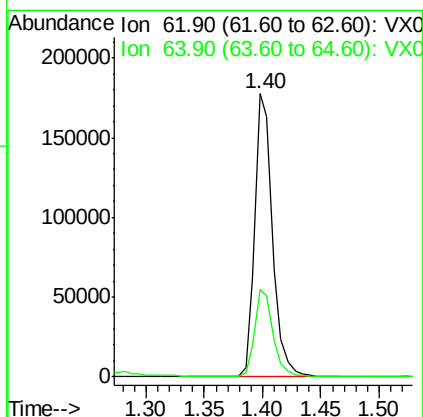
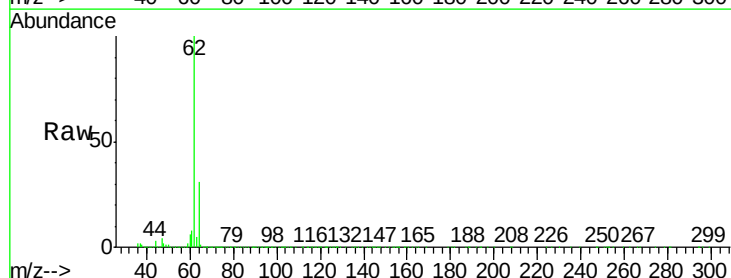
Acq: 15 Aug 2019 20:01

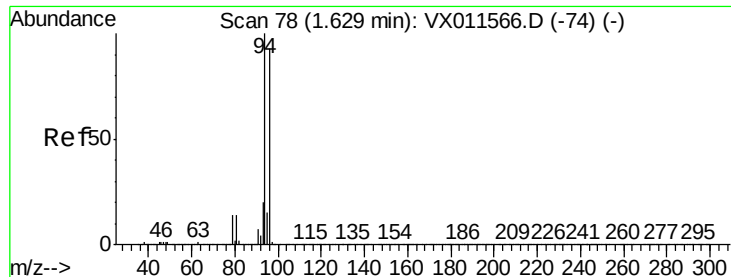
Tgt Ion: 62 Resp: 189066

Ion Ratio Lower Upper

62 100

64 30.8 25.0 37.4





#5

Bromomethane

Concen: 52.036 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Instrument :

MSVOA_X

ClientSampleId :

ICVVX081519

Tot Ion: 94 Resp: 88729

Ion Ratio Lower Upper

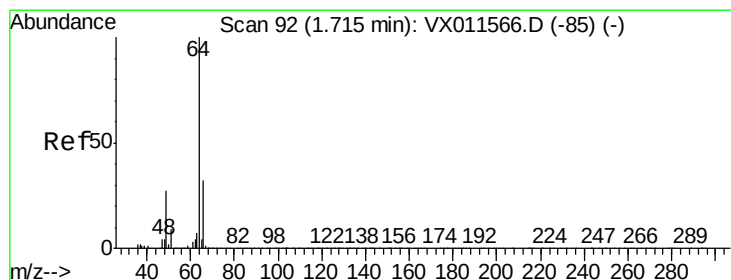
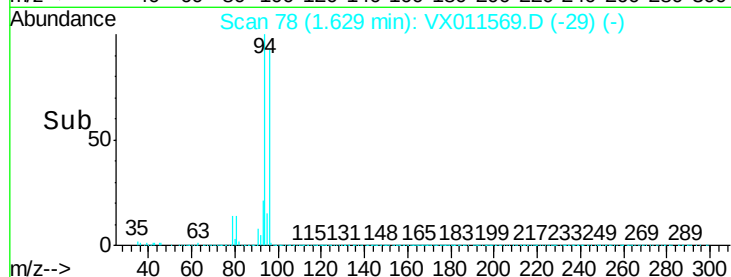
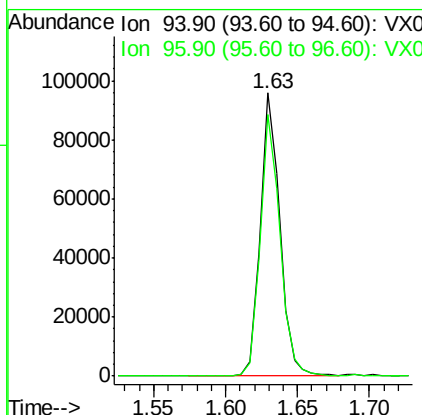
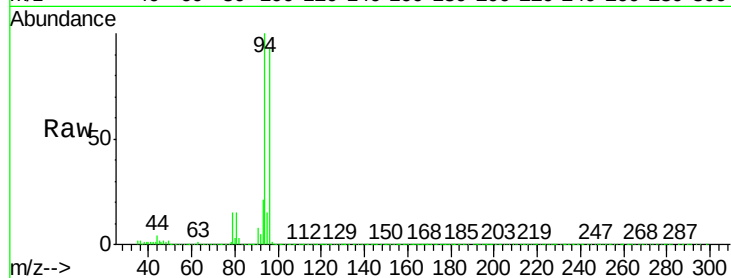
94 100

96 92.6 74.8 112.2

Manual Integrations
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#6

Chloroethane

Concen: 48.528 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011569.D

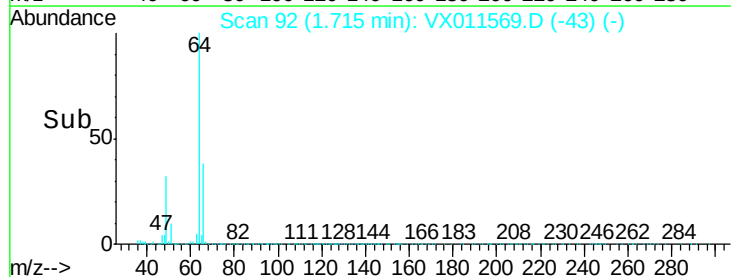
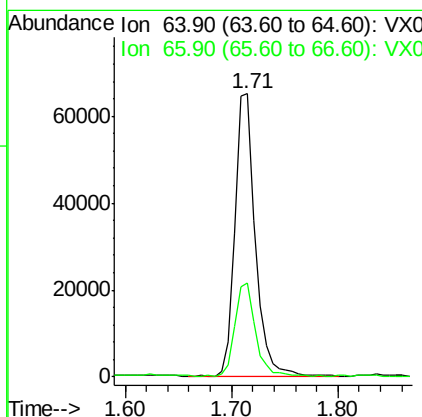
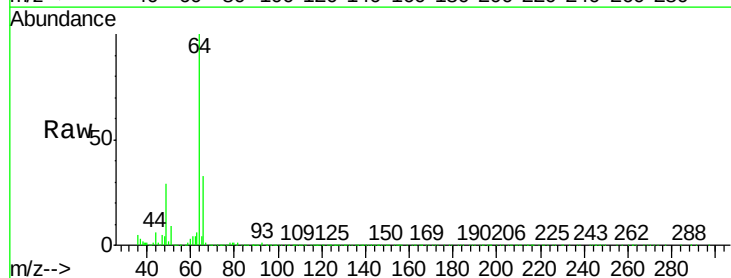
Acq: 15 Aug 2019 20:01

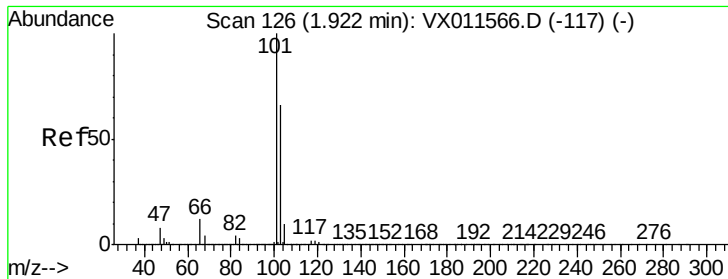
Tgt Ion: 64 Resp: 87402

Ion Ratio Lower Upper

64 100

66 32.7 25.3 37.9





#7

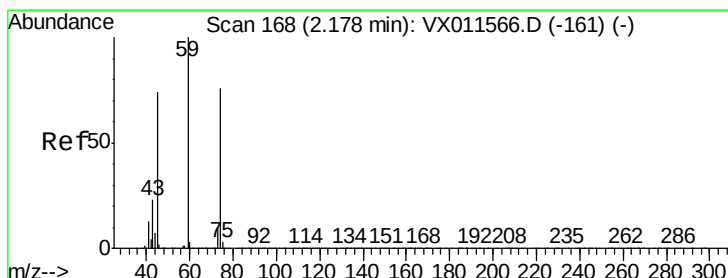
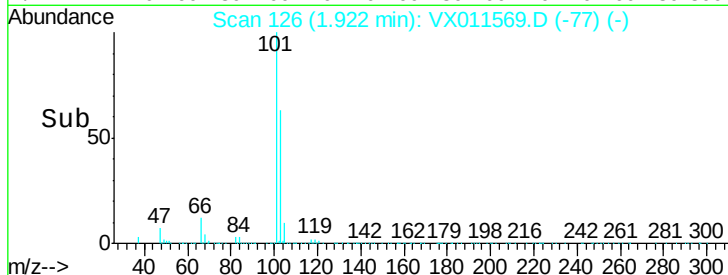
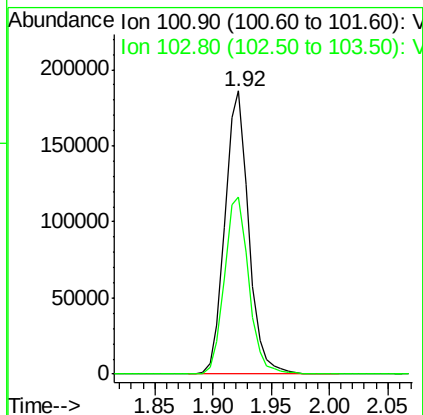
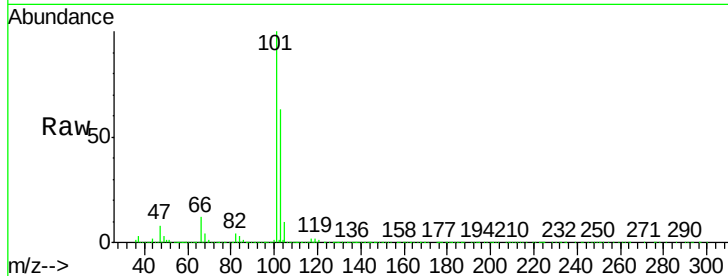
Trichlorofluoromethane
Concen: 49.846 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011569.D
Acq: 15 Aug 2019 20:01

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ICVVX081519

Tot Ion	Ratio	Resp	Lower	Upper
101	100	262736		
103	62.6	52.9	79.3	

Manual Integrations
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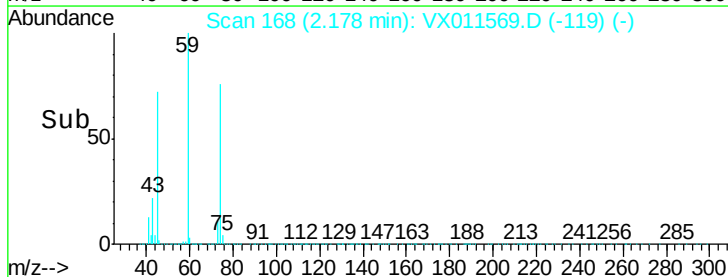
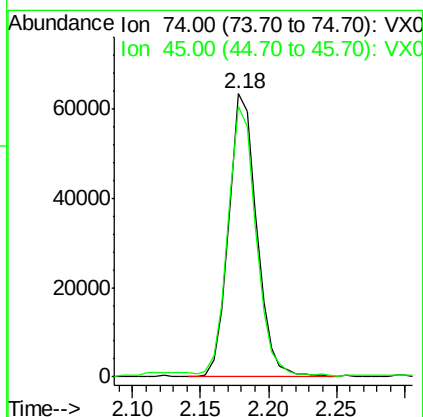
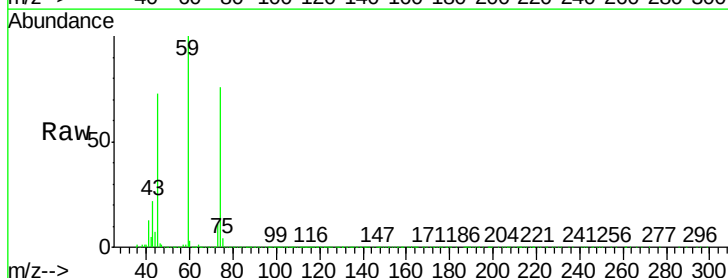
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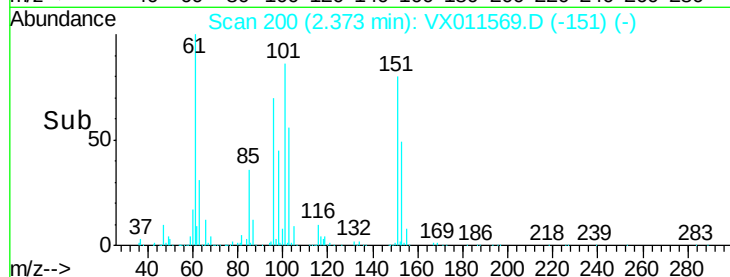
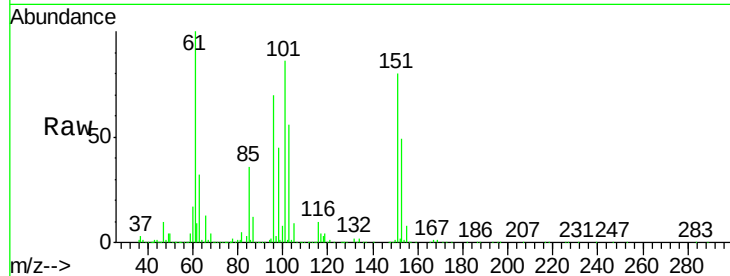
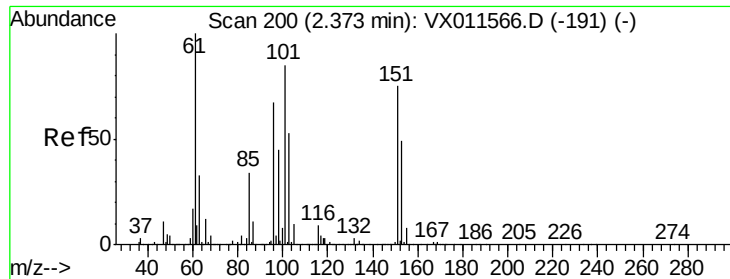


#8

Diethyl Ether
Concen: 50.152 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011569.D
Acq: 15 Aug 2019 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	90680		
45	95.9	48.2	144.6	





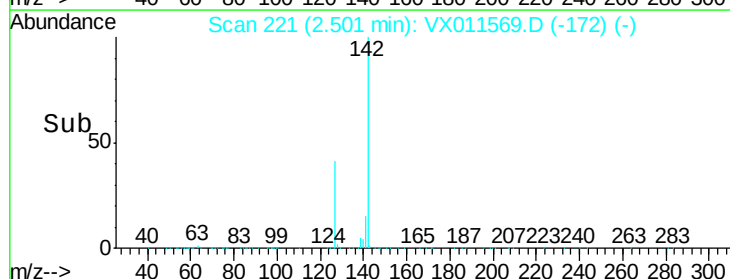
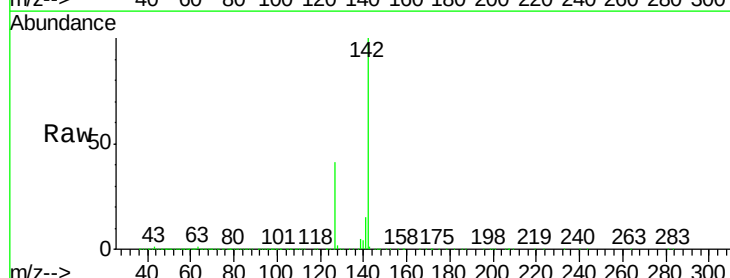
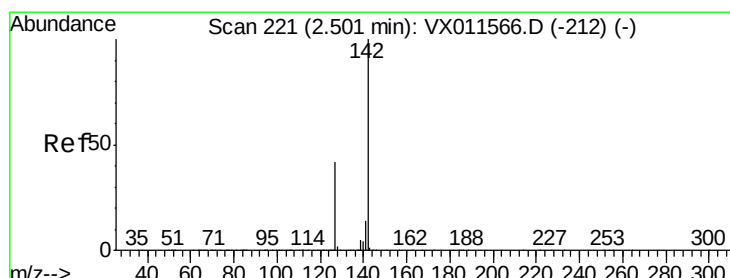
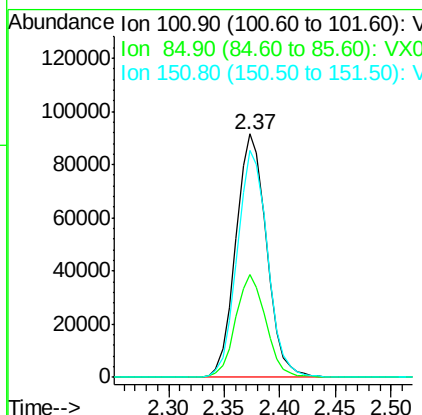
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.980 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX011569.D
Acq: 15 Aug 2019 20:01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	174681		
85	41.4	33.0	49.4	
151	92.8	73.3	109.9	

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081519

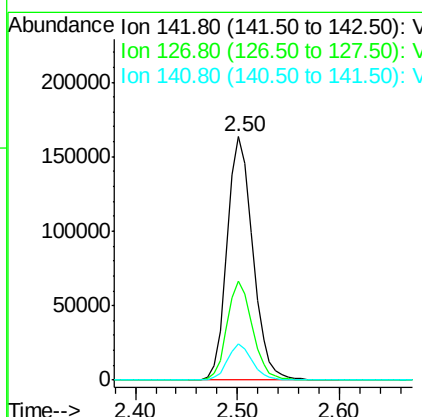
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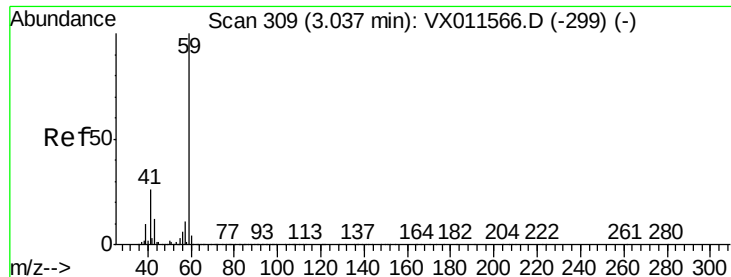
MMDadoda
8/16/2019 8:29:44 AM



#10
Methyl Iodide
Concen: 54.854 ug/l
RT: 2.50 min Scan# 221
Delta R.T. 0.00 min
Lab File: VX011569.D
Acq: 15 Aug 2019 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	284492		
127	40.1	32.8	49.2	
141	14.4	11.4	17.2	





#11

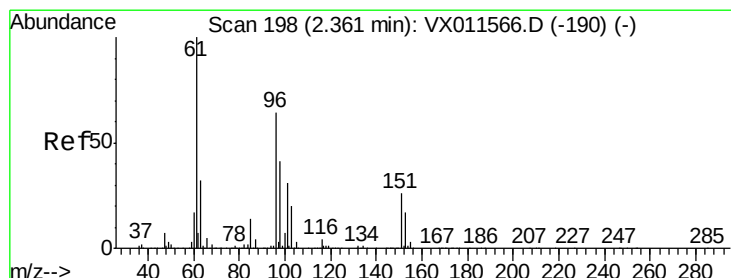
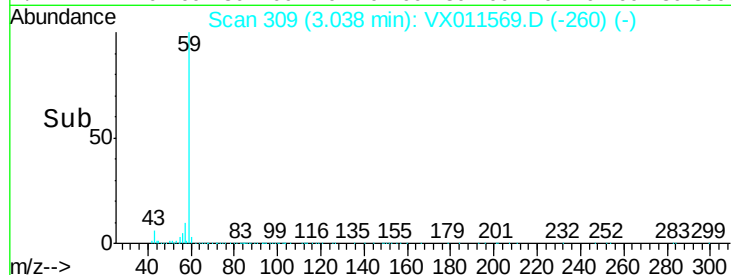
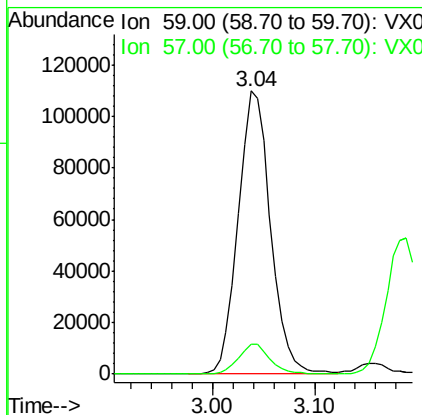
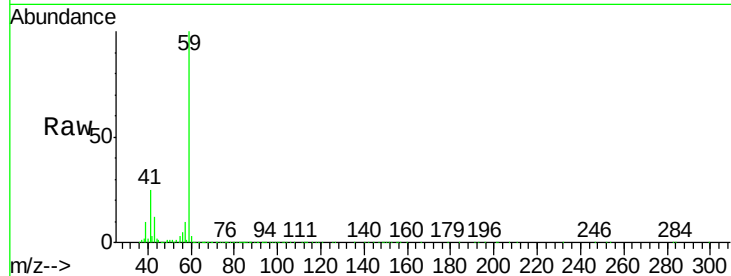
Tert butyl alcohol
Concen: 258.054 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011569.D
Acq: 15 Aug 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081519

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.7	13.1

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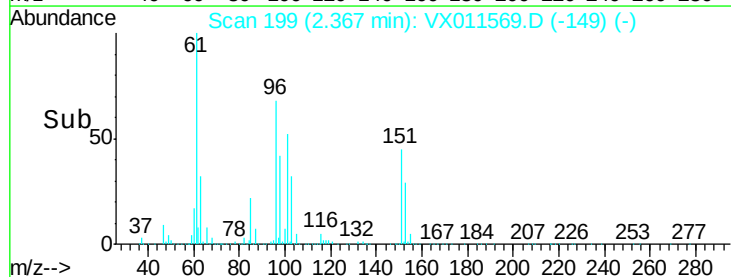
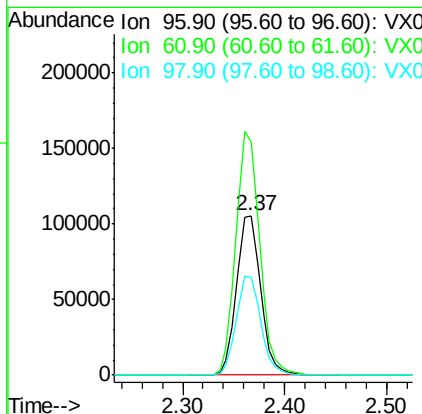
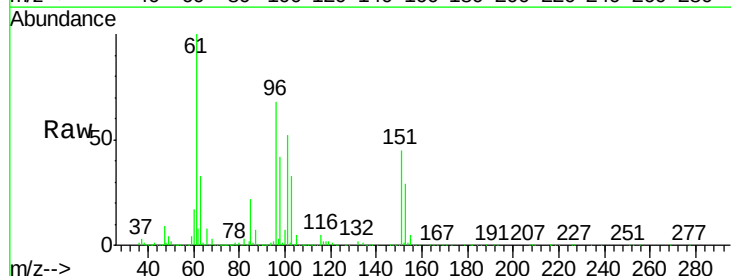
MMDadoda
8/16/2019 8:29:44 AM

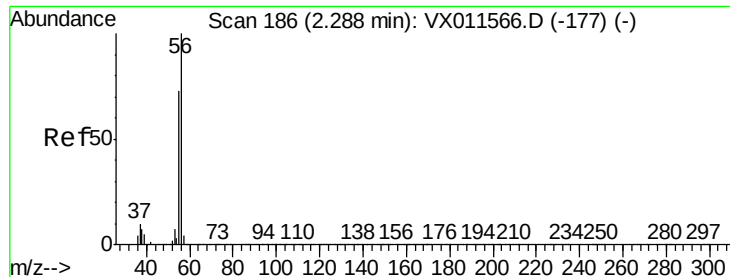


#12

1,1-Dichloroethene
Concen: 48.716 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.01 min
Lab File: VX011569.D
Acq: 15 Aug 2019 20:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.6	125.0	187.4
98	61.7	51.5	77.3





#13

Acrolein

Concen: 241.464 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Instrument :

MSVOA_X

ClientSampleId :

ICVVX081519

Tot Ion: 56 Resp: 69624

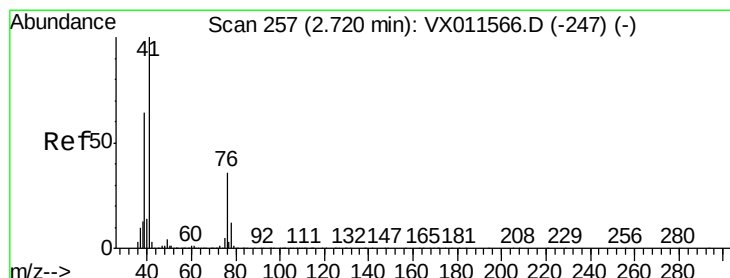
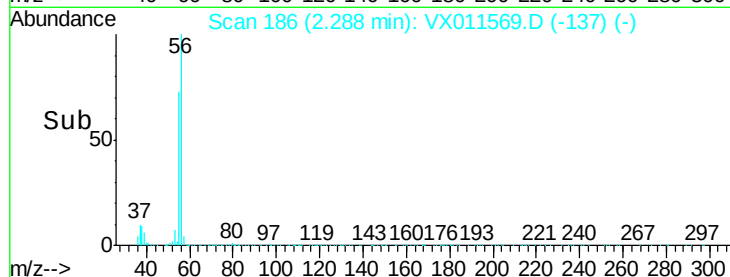
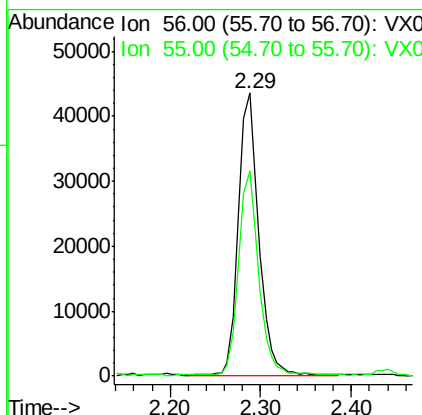
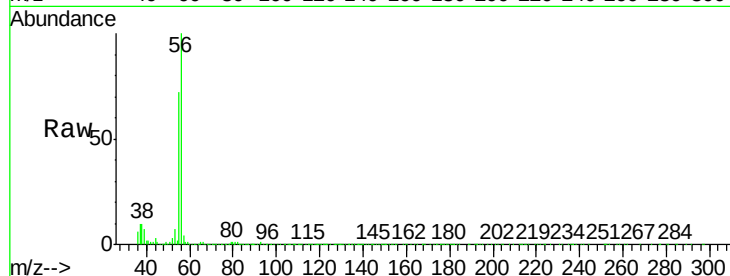
Ion Ratio Lower Upper

56 100

55 69.5 55.5 83.3

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#14

Allyl chloride

Concen: 49.727 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

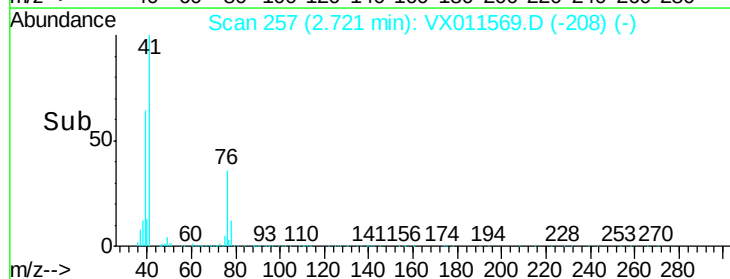
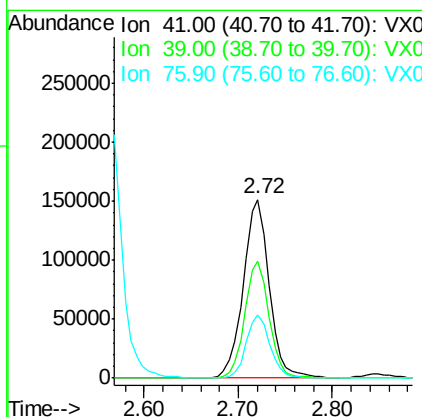
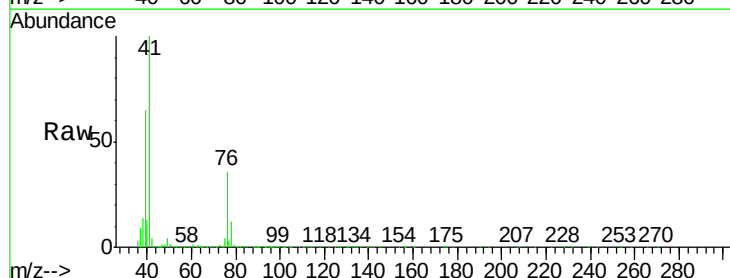
Tgt Ion: 41 Resp: 291042

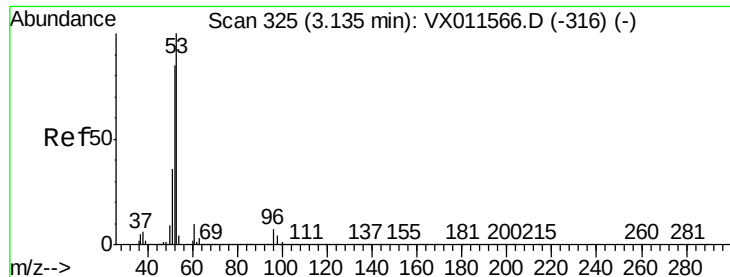
Ion Ratio Lower Upper

41 100

39 60.8 47.5 71.3

76 32.1 26.3 39.5





#15

Acrylonitrile

Concen: 251.672 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Instrument :

MSVOA_X

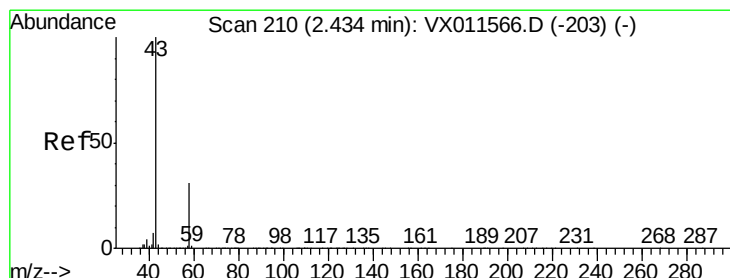
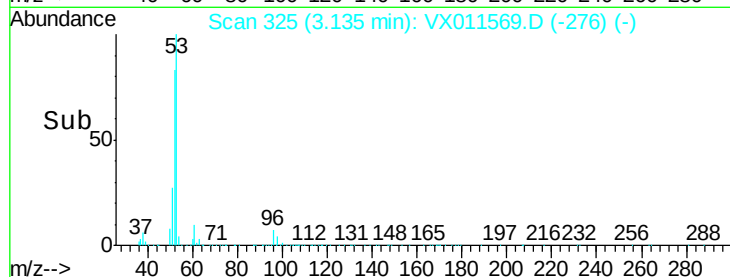
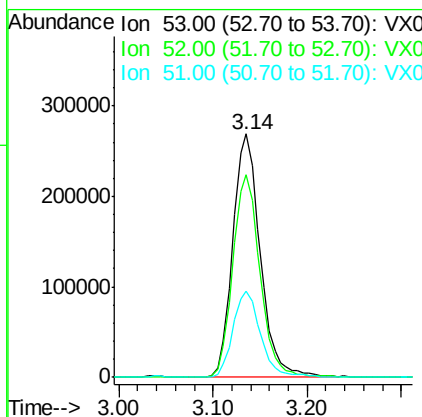
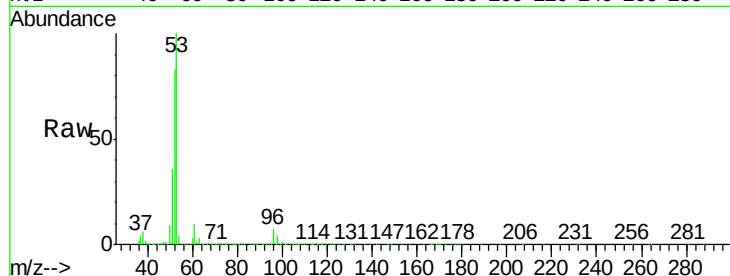
ClientSampleId :

ICVVX081519

Tot Ion:	53	Resp:	540748
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.7	100.1
51	36.1	28.7	43.1

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#16

Acetone

Concen: 238.607 ug/l

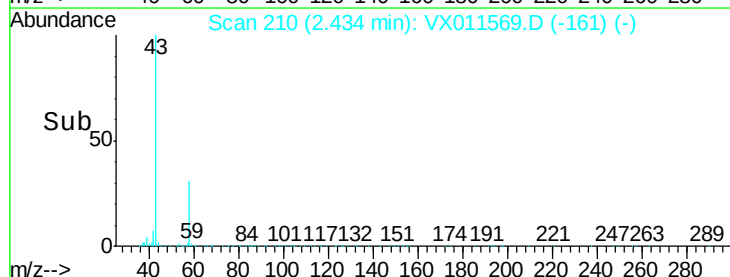
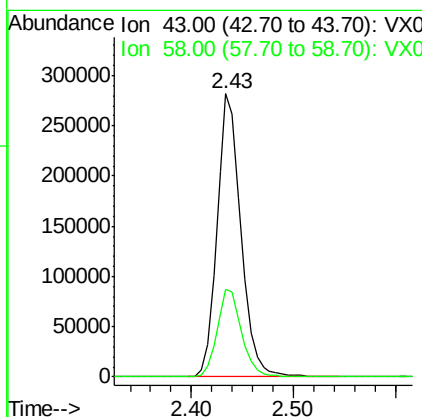
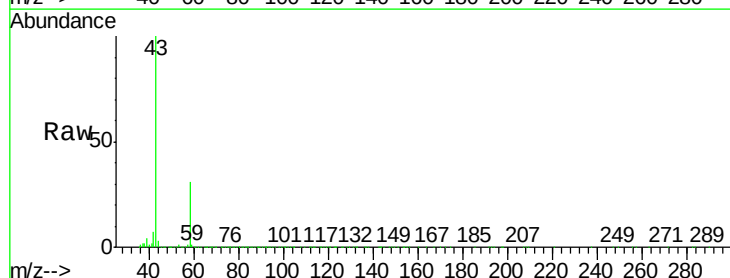
RT: 2.43 min Scan# 210

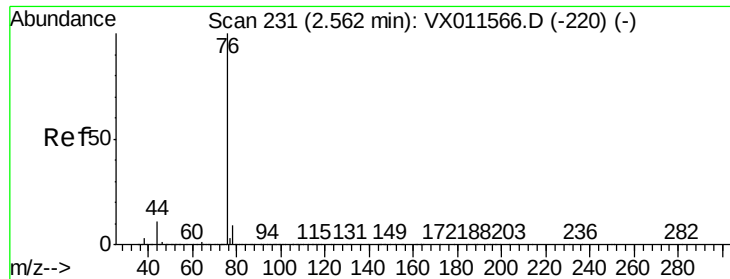
Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Tgt Ion:	43	Resp:	459111
Ion Ratio	Lower	Upper	
43	100		
58	30.8	25.2	37.8





#17

Carbon Disulfide

Concen: 51.365 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Instrument :

MSVOA_X

ClientSampleId :

ICVVX081519

Tot Ion: 76 Resp: 425845

Ion Ratio Lower Upper

76 100

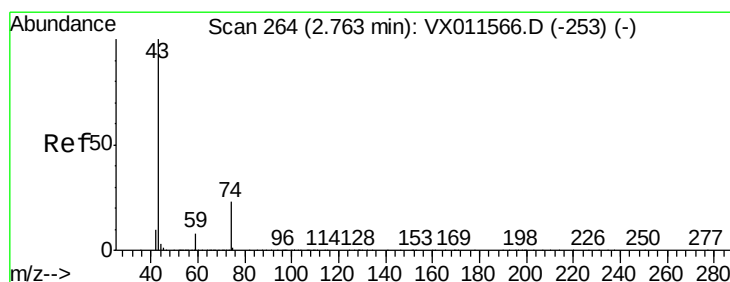
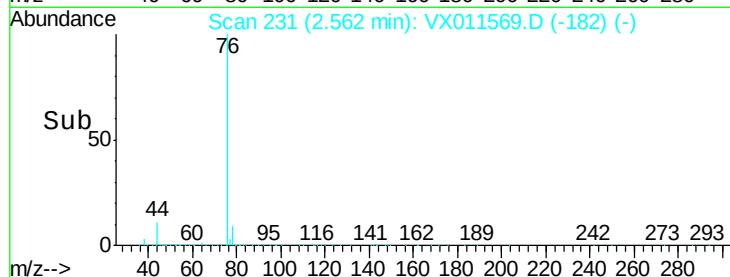
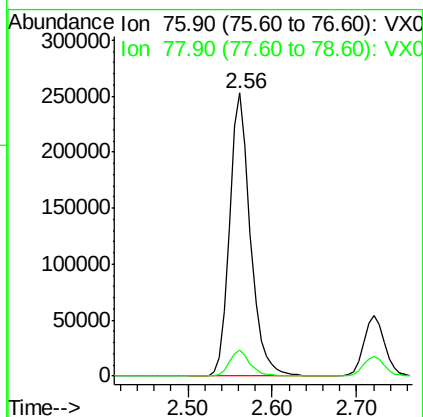
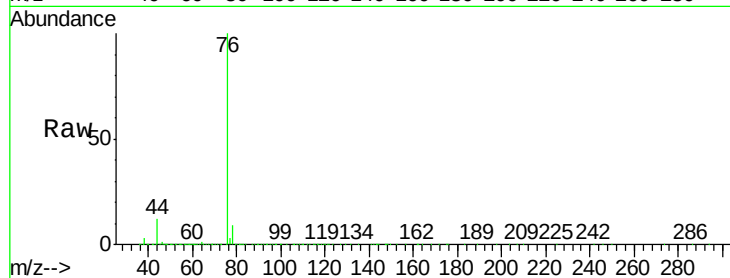
78 9.2 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 50.667 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011569.D

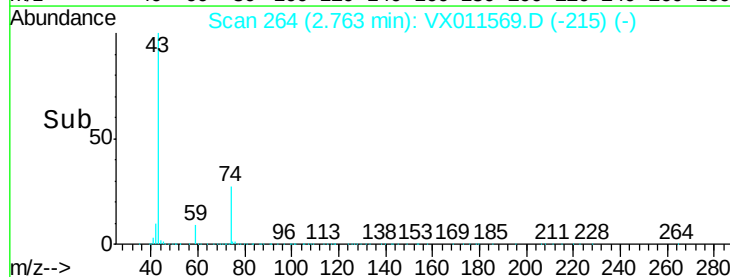
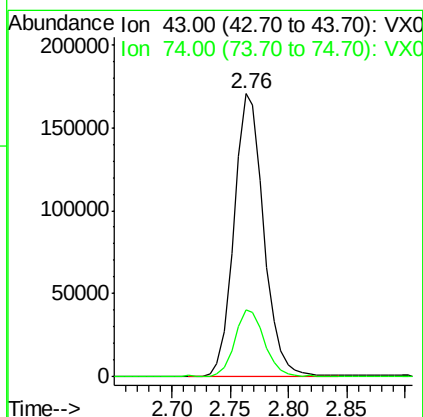
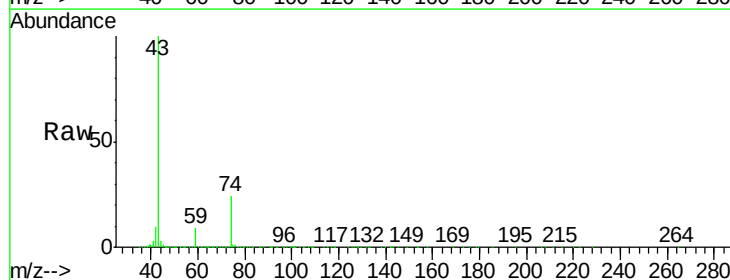
Acq: 15 Aug 2019 20:01

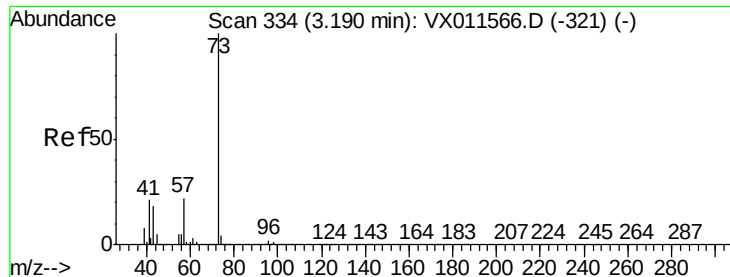
Tgt Ion: 43 Resp: 302348

Ion Ratio Lower Upper

43 100

74 23.3 19.7 29.5





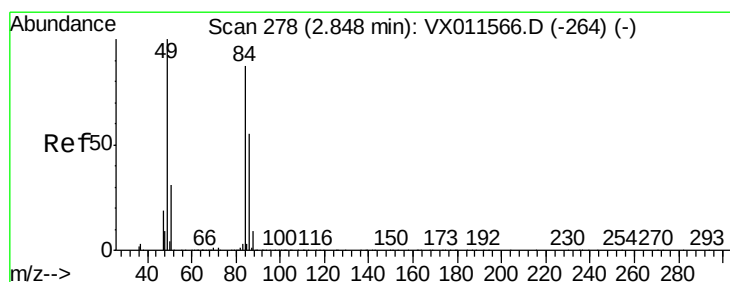
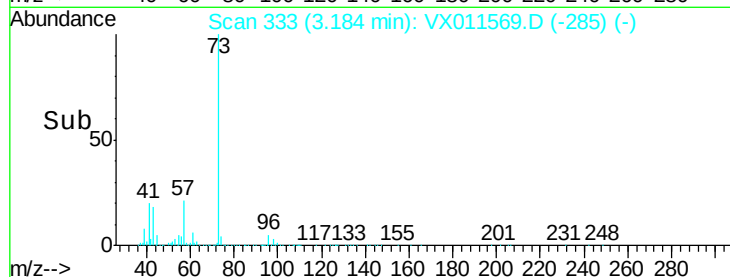
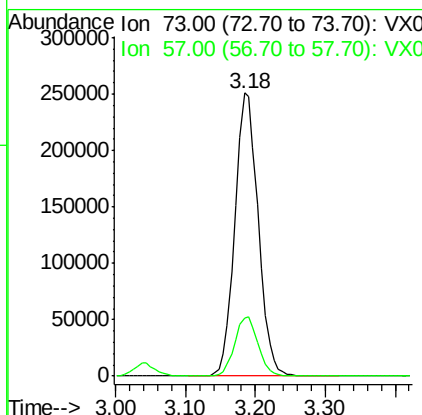
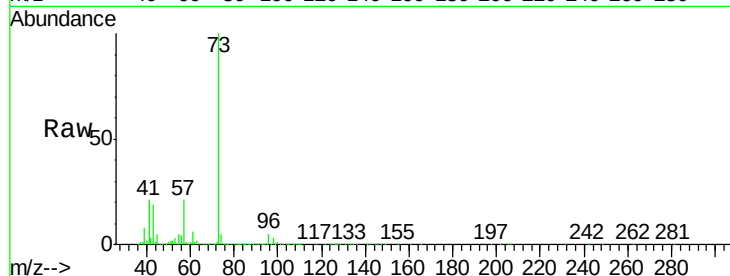
#19
Methyl tert-butyl Ether
Concen: 50.737 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.01 min
Lab File: VX011569.D
Acq: 15 Aug 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081519

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.2	25.8

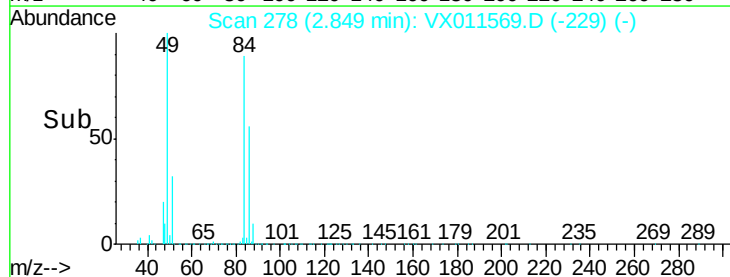
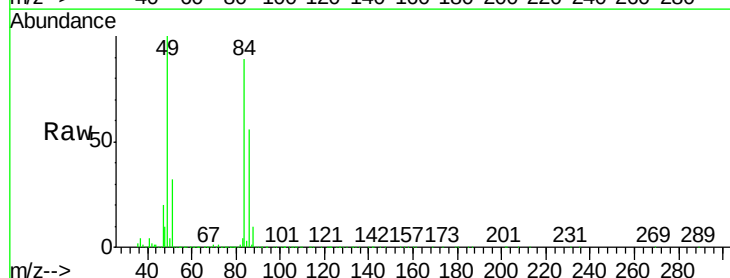
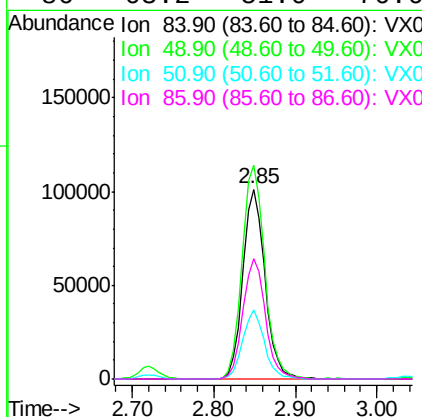
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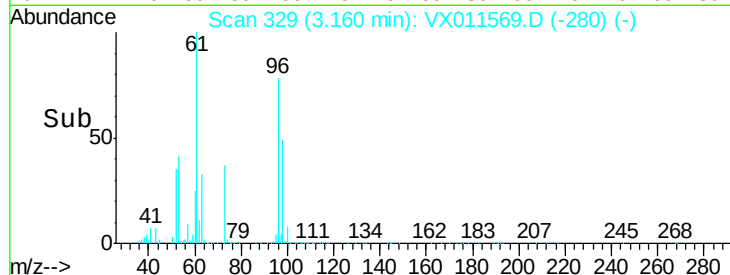
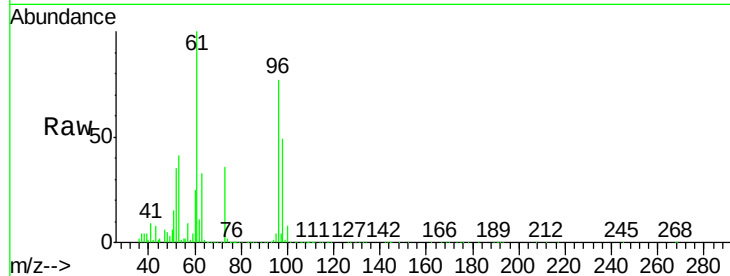
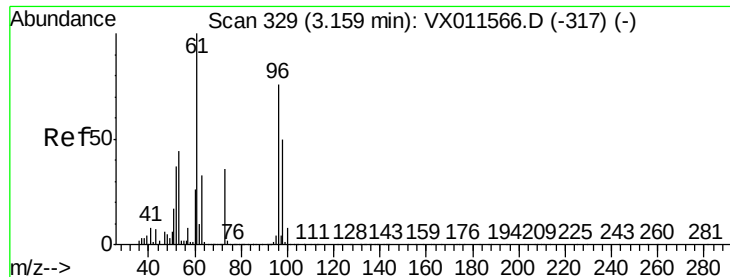
MMDadoda
8/16/2019 8:29:44 AM



#20
Methylene Chloride
Concen: 47.135 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011569.D
Acq: 15 Aug 2019 20:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.6	92.4	138.6
51	36.4	28.5	42.7
86	63.2	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 48.881 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011569.D

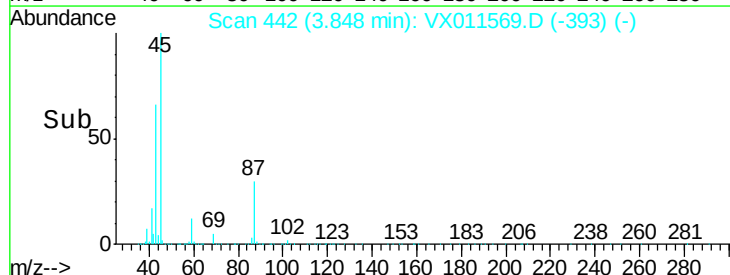
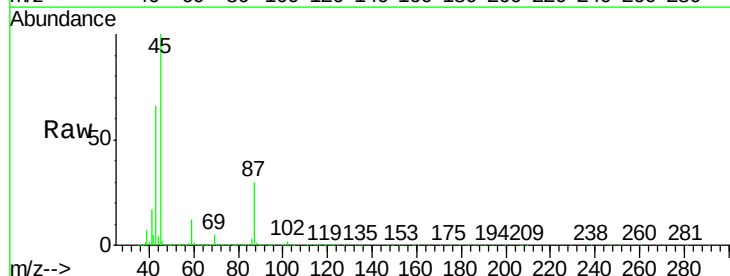
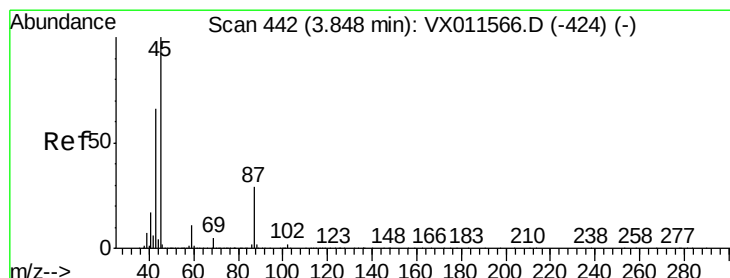
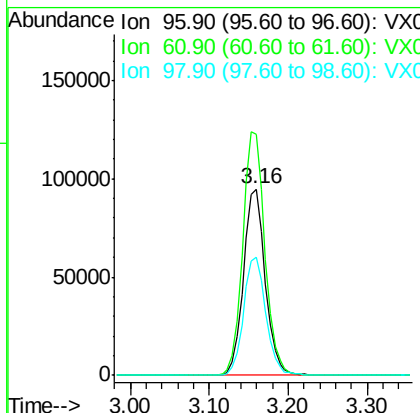
Acq: 15 Aug 2019 20:01

Tot Ion:	96	Resp:	182253
Ion	Ratio	Lower	Upper
96	100		
61	129.0	105.5	158.3
98	63.3	52.6	78.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081519

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#22

Diisopropyl ether

Concen: 49.772 ug/l

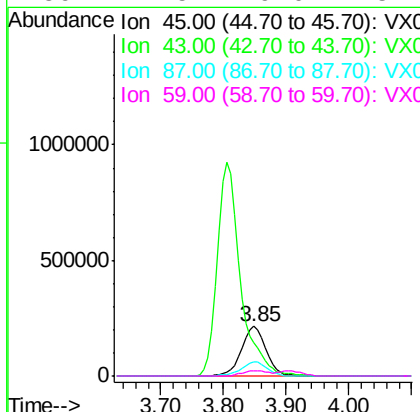
RT: 3.85 min Scan# 442

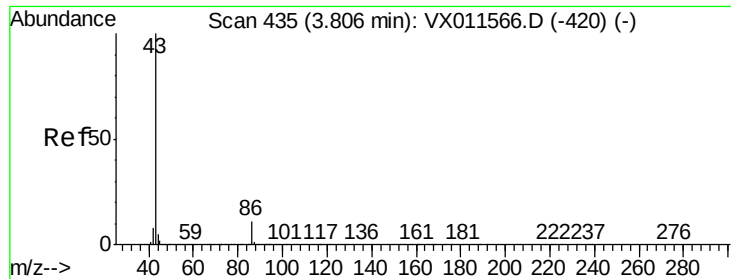
Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Tgt Ion:	45	Resp:	580140
Ion	Ratio	Lower	Upper
45	100		
43	66.3	52.7	79.1
87	29.5	23.5	35.3
59	11.5	9.0	13.4





#23

Vinyl Acetate

Concen: 257.235 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Tot Ion: 43 Resp: 2374268

Ion Ratio Lower Upper

43 100

86 10.7 8.6 13.0

Instrument :

MSVOA_X

ClientSampled :

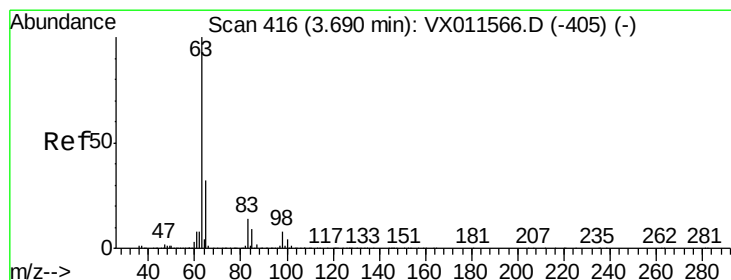
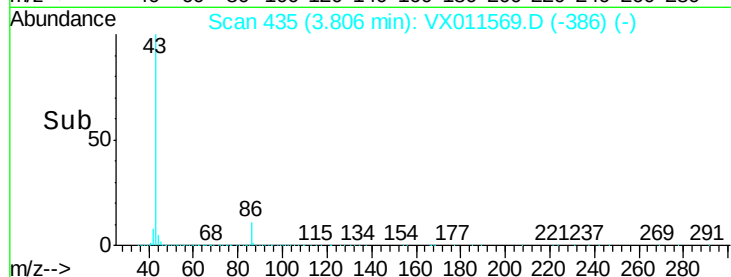
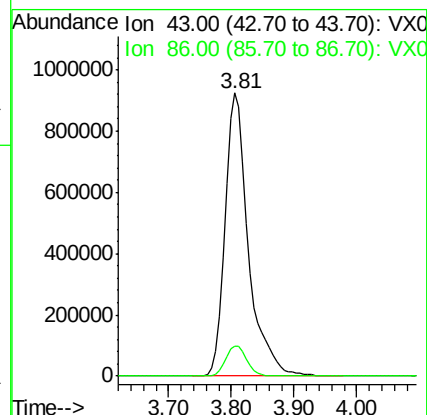
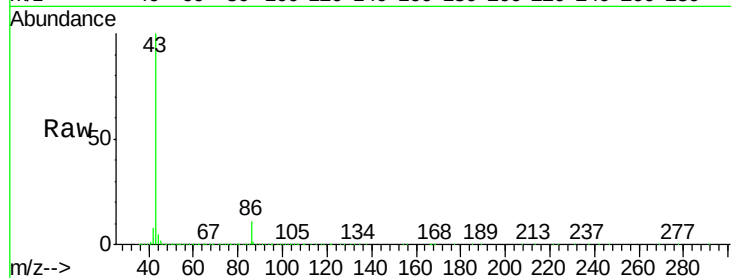
ICVVX081519

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#24

1,1-Dichloroethane

Concen: 48.829 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

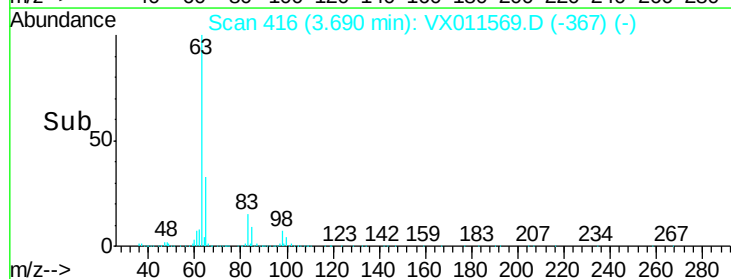
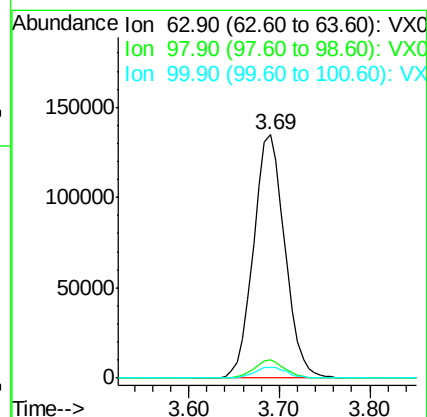
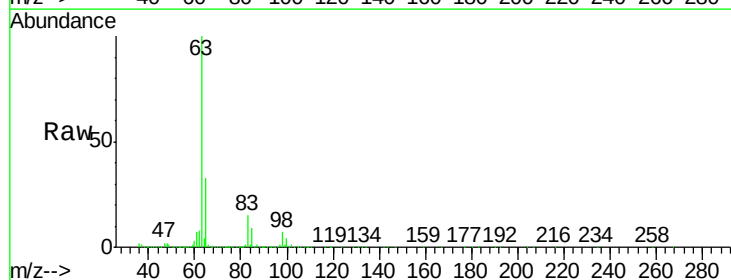
Tgt Ion: 63 Resp: 321784

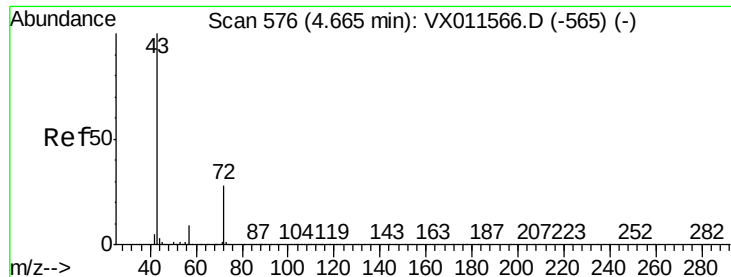
Ion Ratio Lower Upper

63 100

98 7.3 3.7 11.1

100 4.3 2.1 6.3





#25

2-Butanone

Concen: 250.402 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Tot Ion: 43 Resp: 756393

Ion Ratio Lower Upper

43 100

72 26.6 22.2 33.4

Instrument :

MSVOA_X

ClientSampleId :

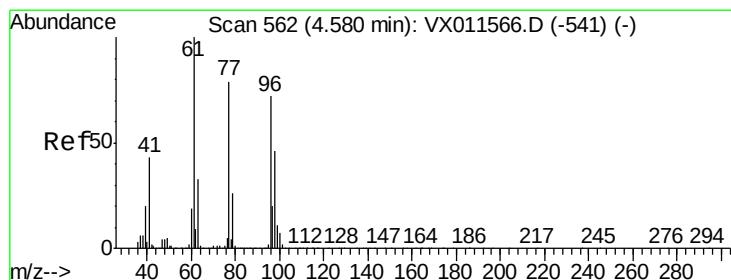
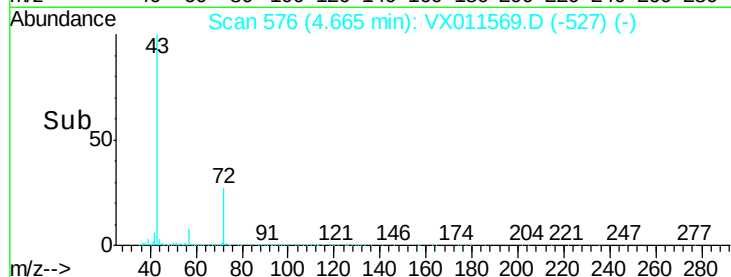
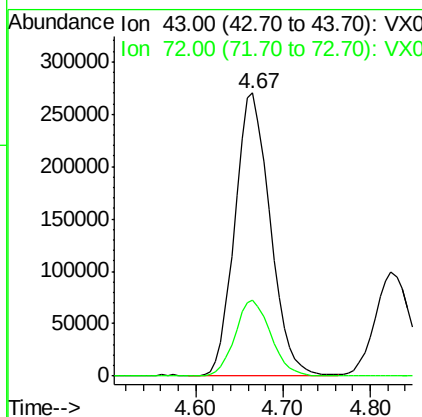
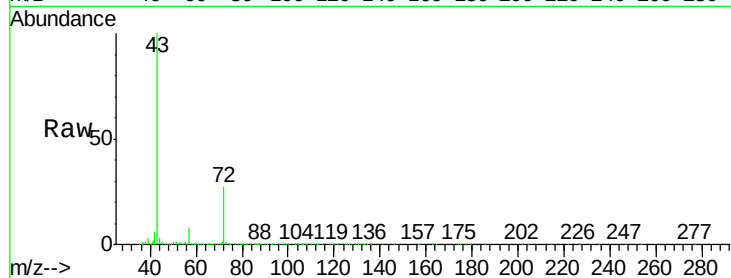
ICVVX081519

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.234 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX011569.D

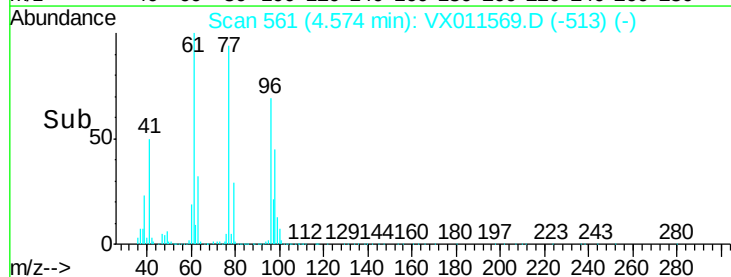
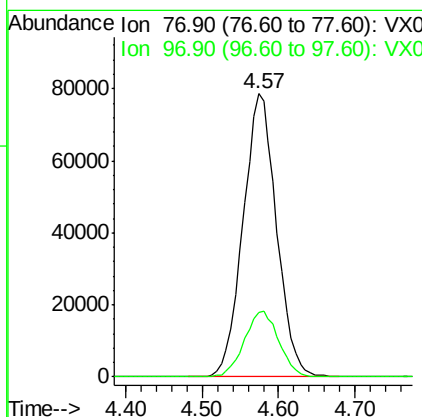
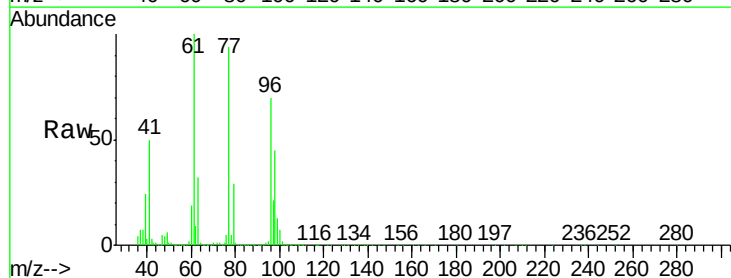
Acq: 15 Aug 2019 20:01

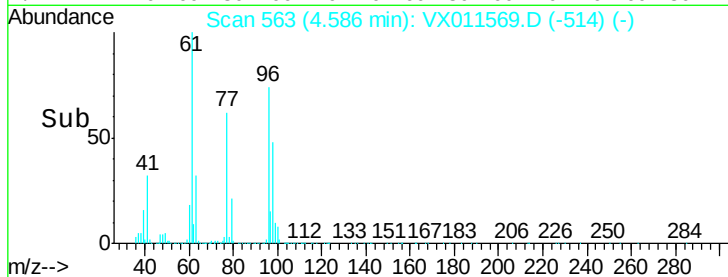
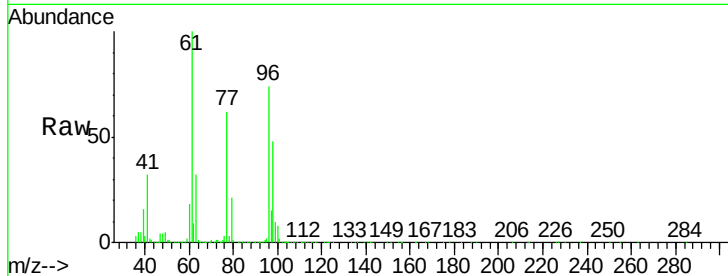
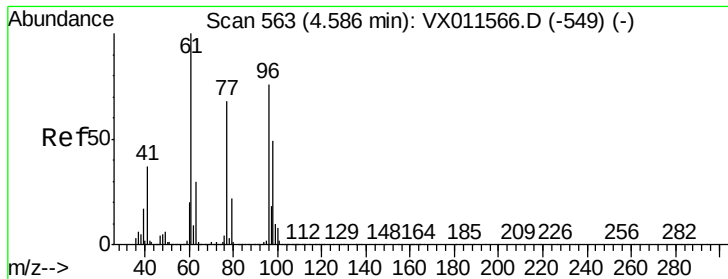
Tgt Ion: 77 Resp: 239241

Ion Ratio Lower Upper

77 100

97 24.0 12.4 37.2





#27

cis-1,2-Dichloroethene

Concen: 49.084 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX011569.D

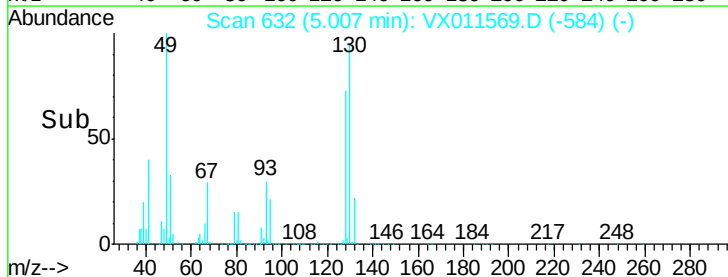
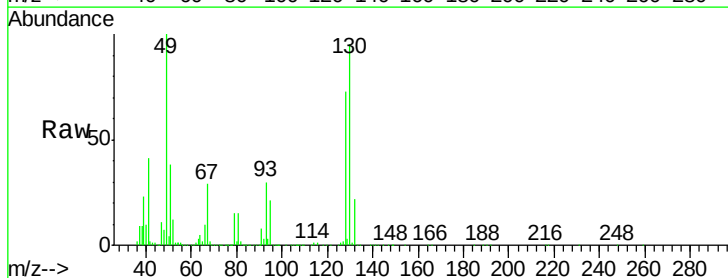
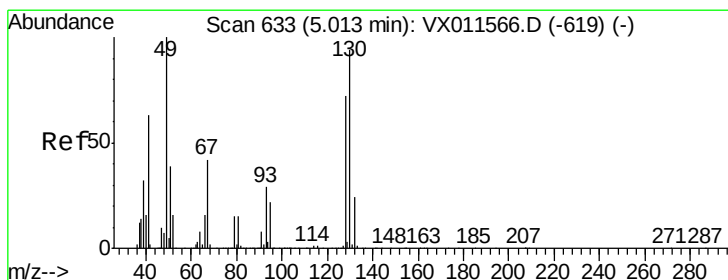
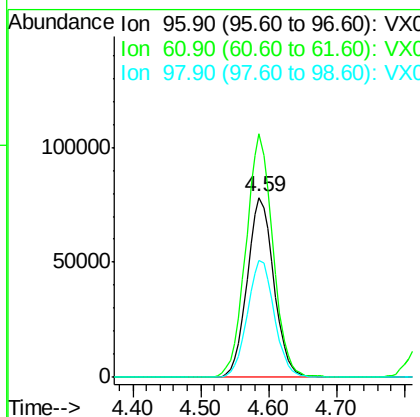
Acq: 15 Aug 2019 20:01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	213344		
61	136.4	0.0	272.6	
98	65.8	0.0	129.4	

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081519

Manual Integrations
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8/16/2019 8:29:44 AM



#28

Bromochloromethane

Concen: 50.286 ug/l

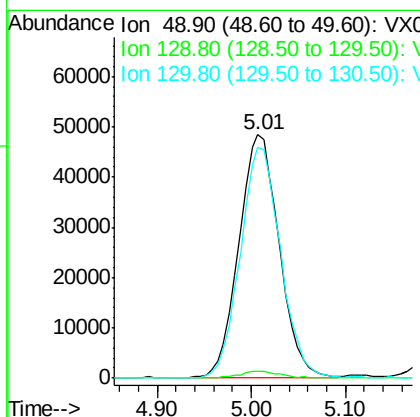
RT: 5.01 min Scan# 632

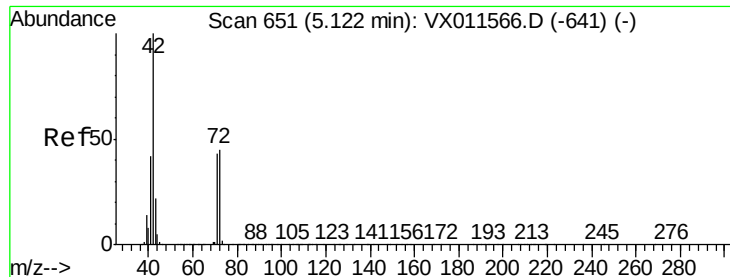
Delta R.T. -0.01 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	145474		
129	2.8	0.0	5.0	
130	94.5	76.6	115.0	





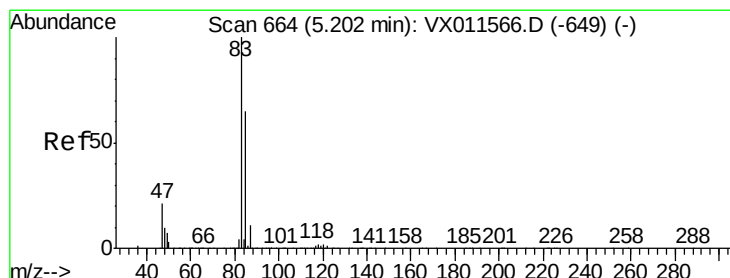
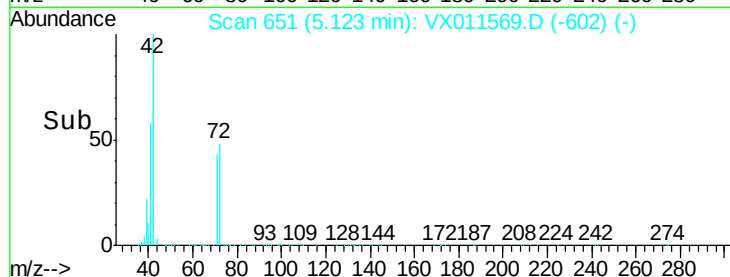
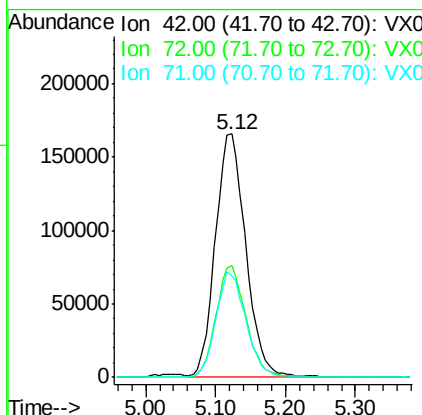
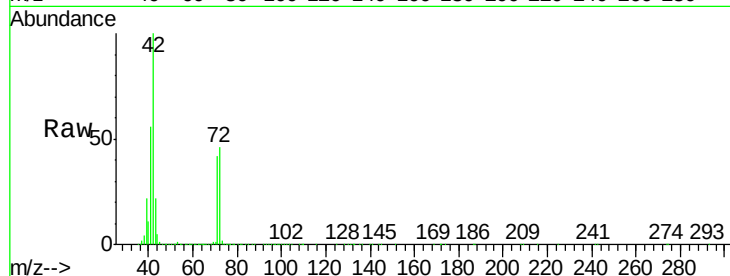
#29
Tetrahydrofuran
Concen: 251.700 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.00 min
Lab File: VX011569.D
Acq: 15 Aug 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081519

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	36.1	54.1
71	42.6	33.8	50.8

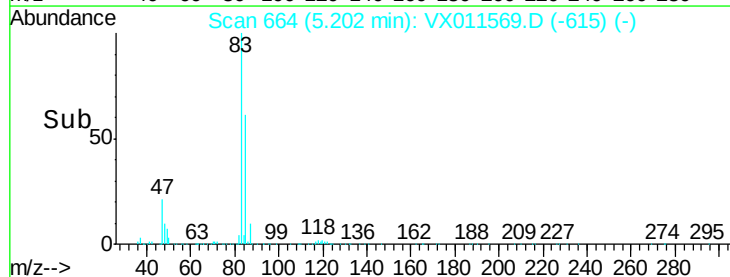
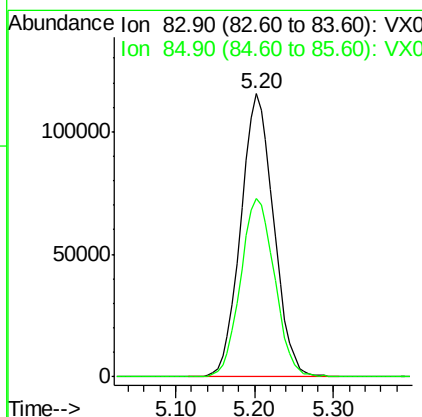
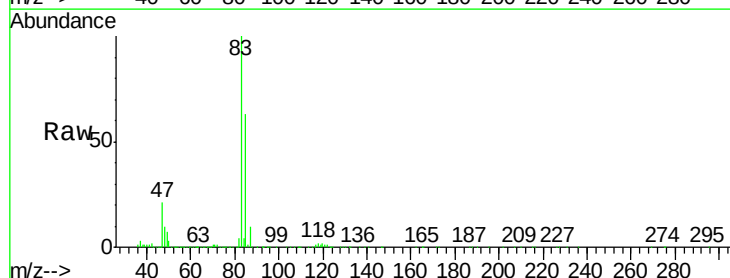
Manual Integrations
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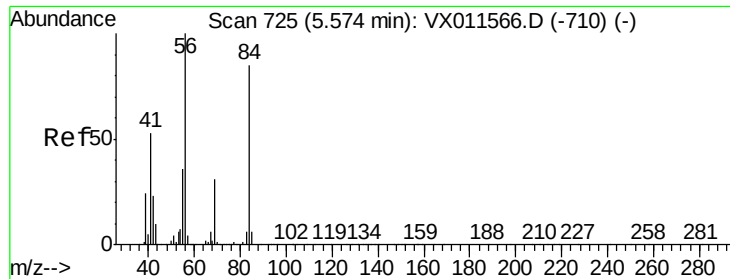
MMDadoda
8/16/2019 8:29:44 AM



#30
Chloroform
Concen: 48.156 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011569.D
Acq: 15 Aug 2019 20:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.9	77.9





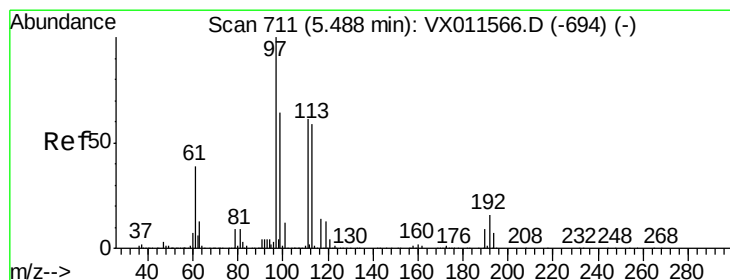
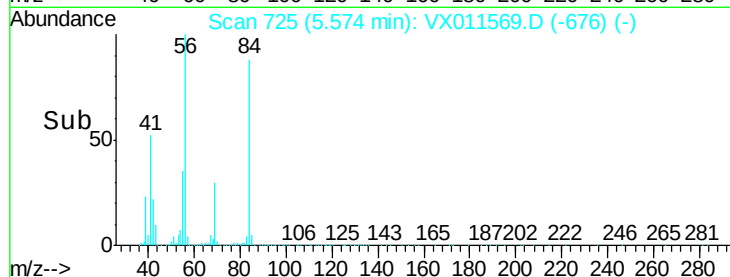
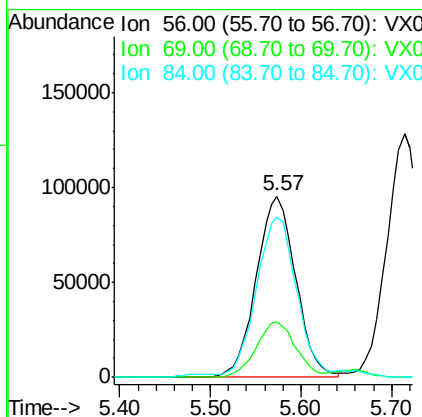
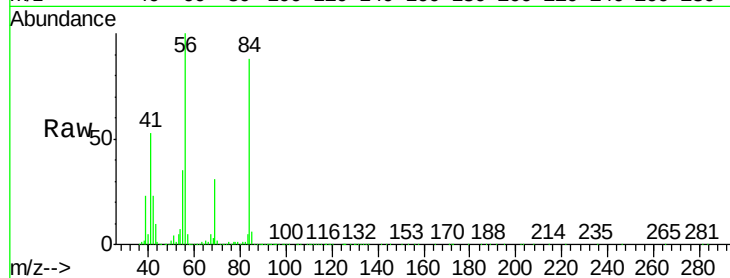
#31
Cyclohexane
Concen: 50.457 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX011569.D
Acq: 15 Aug 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081519

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.8	37.2
84	87.1	67.9	101.9

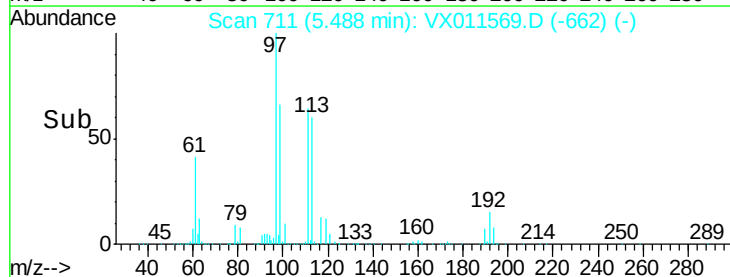
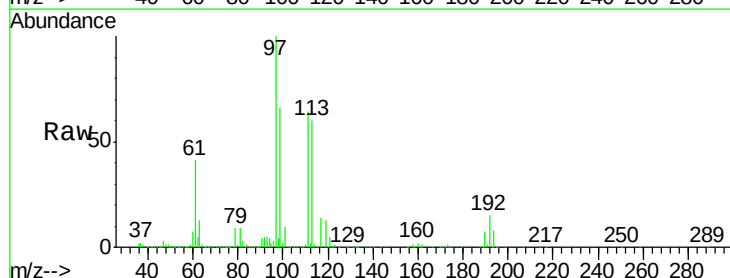
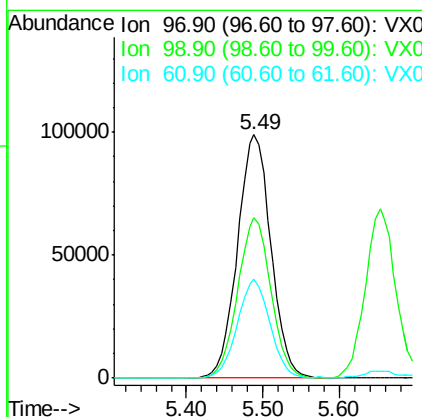
Manual Integrations
APPROVED

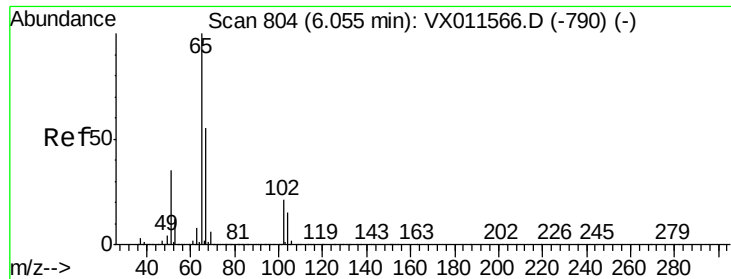
MMDadoda
8/16/2019 8:29:44 AM



#32
1,1,1-Trichloroethane
Concen: 50.182 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX011569.D
Acq: 15 Aug 2019 20:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.4	77.0
61	39.5	31.4	47.2





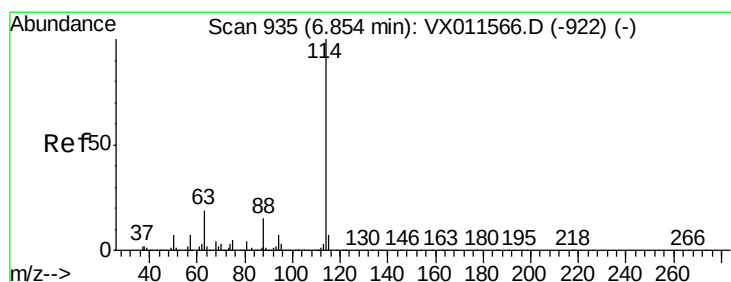
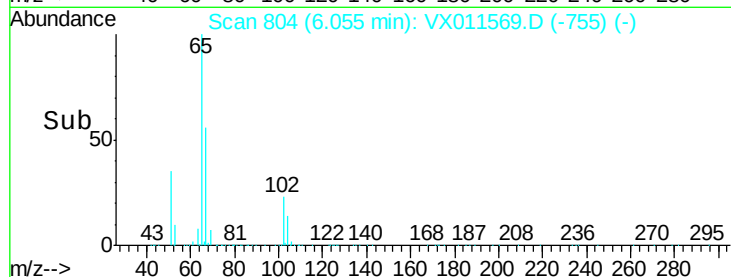
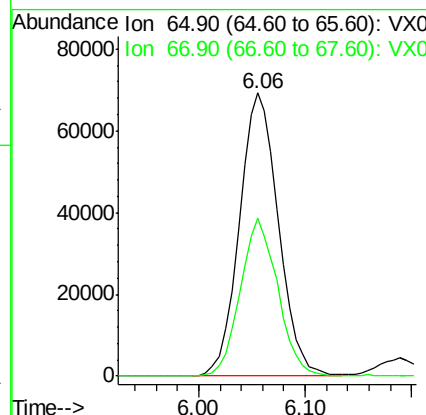
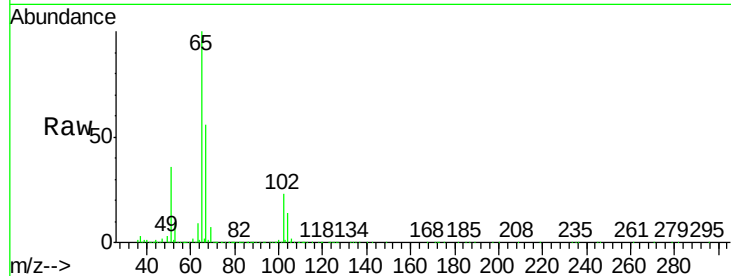
#33
 1,2-Dichloroethane-d4
 Concen: 46.274 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011569.D
 Acq: 15 Aug 2019 20:01

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX081519

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	107.6

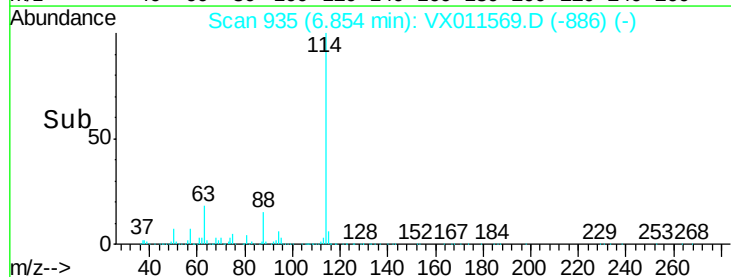
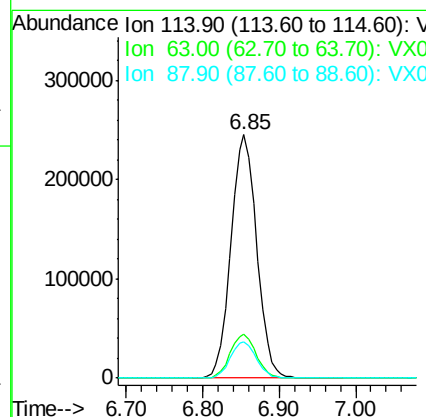
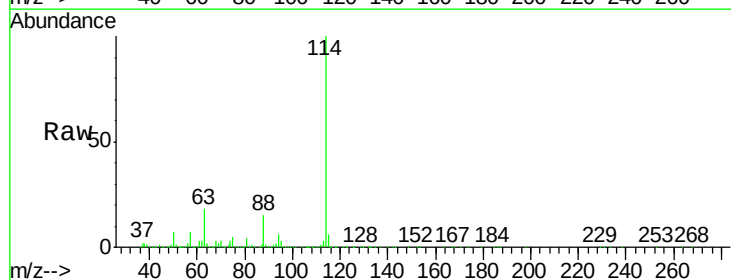
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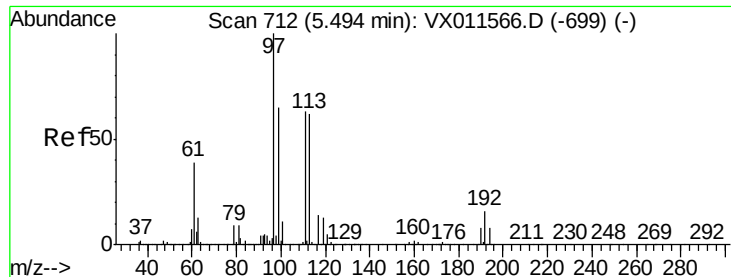
MMDadoda
 8/16/2019 8:29:44 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011569.D
 Acq: 15 Aug 2019 20:01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	37.8
88	14.8	0.0	30.2





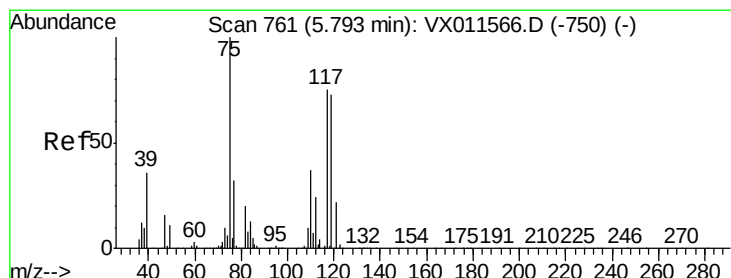
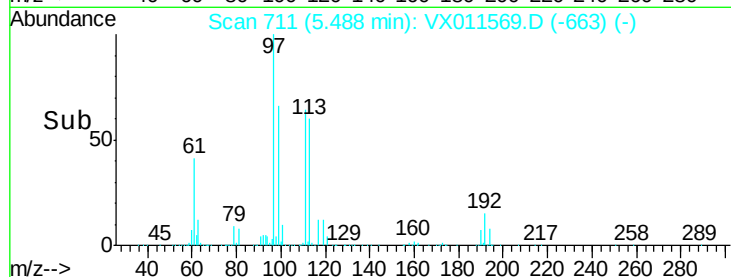
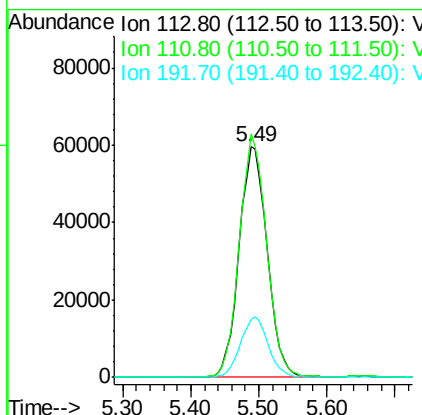
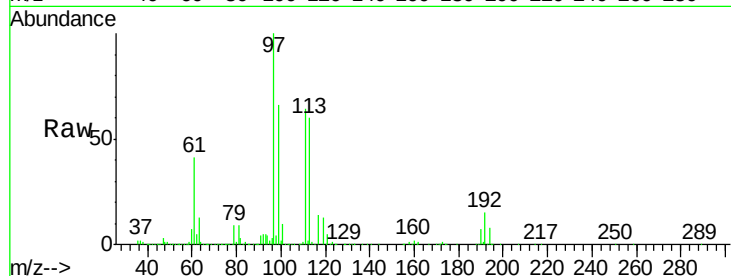
#35
 Dibromofluoromethane
 Concen: 45.955 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011569.D
 Acq: 15 Aug 2019 20:01

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX081519

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.1	121.7
192	26.0	20.8	31.2

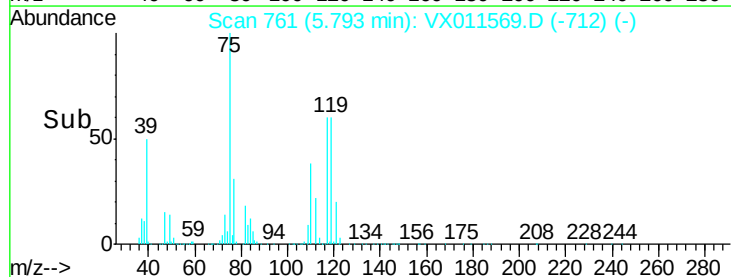
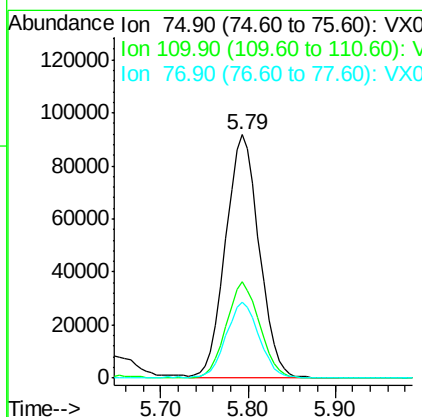
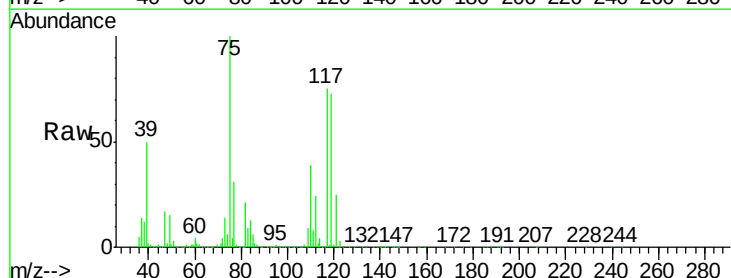
Manual Integrations
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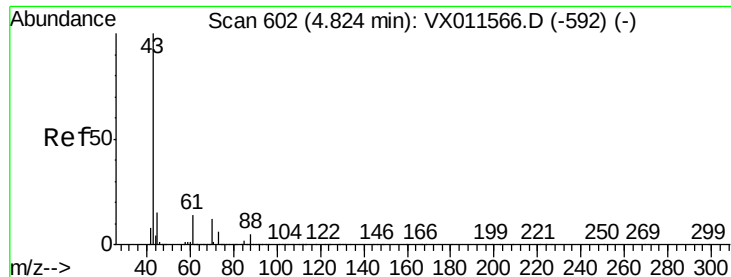
MMDadoda
 8/16/2019 8:29:44 AM



#36
 1,1-Dichloropropene
 Concen: 50.103 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VX011569.D
 Acq: 15 Aug 2019 20:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.6	19.4	58.1
77	30.6	25.1	37.7





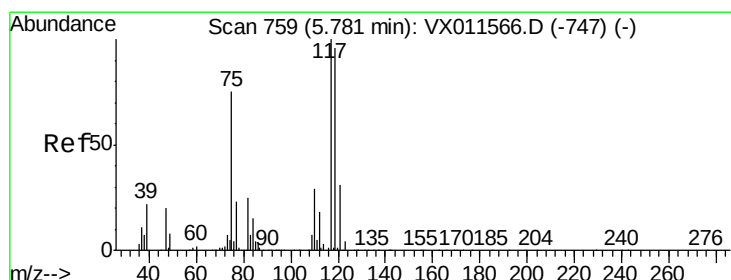
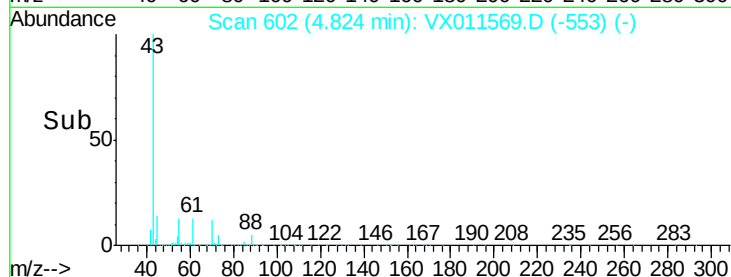
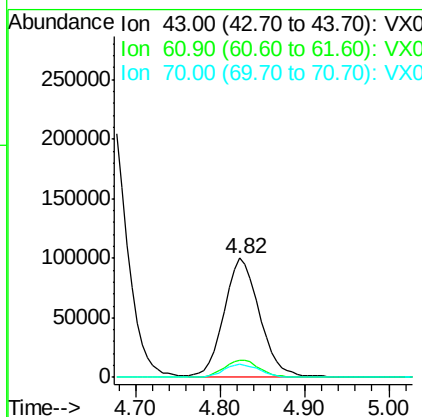
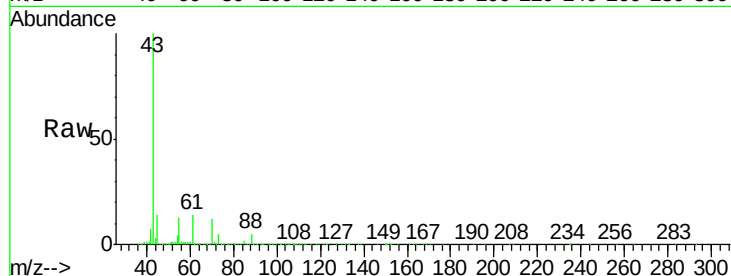
#37
Ethyl Acetate
Concen: 50.457 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011569.D
Acq: 15 Aug 2019 20:01

Instrument :
MSVOA_X
ClientSampled :
ICVVX081519

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.4	17.0
70	11.6	9.0	13.6

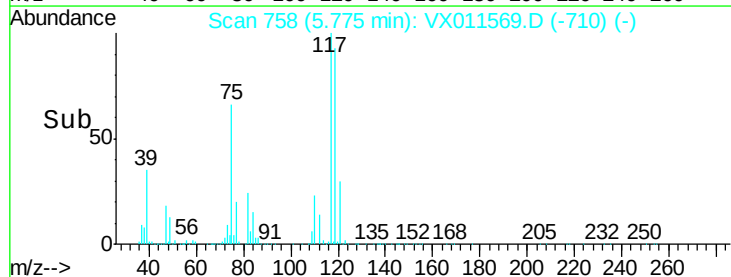
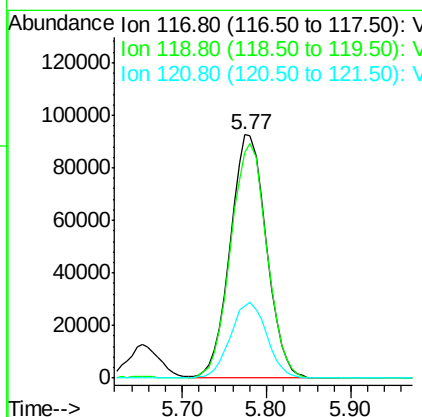
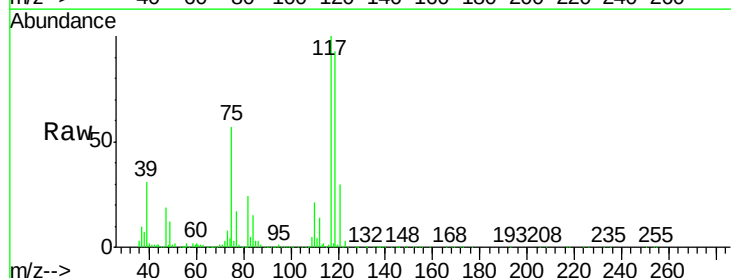
Manual Integrations
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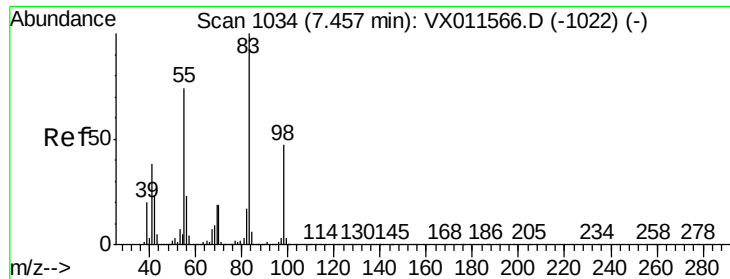
MMDadoda
8/16/2019 8:29:44 AM



#38
Carbon Tetrachloride
Concen: 50.038 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011569.D
Acq: 15 Aug 2019 20:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	76.9	115.3
121	29.8	24.8	37.2





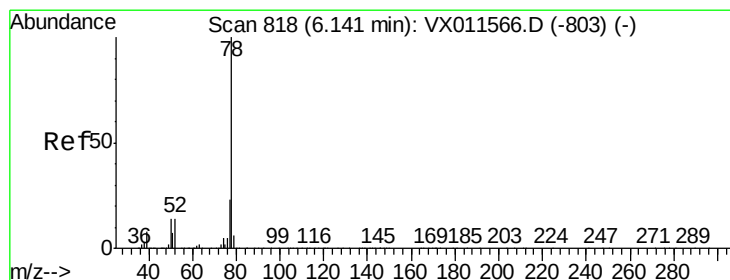
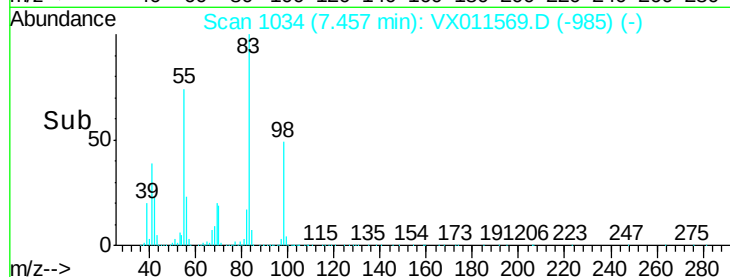
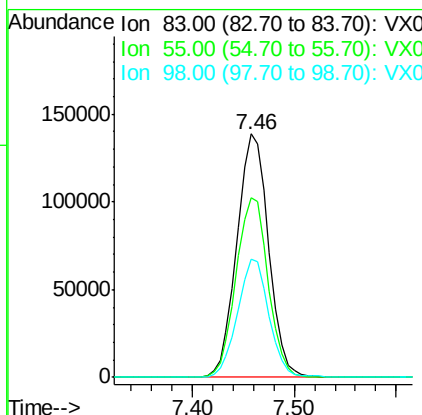
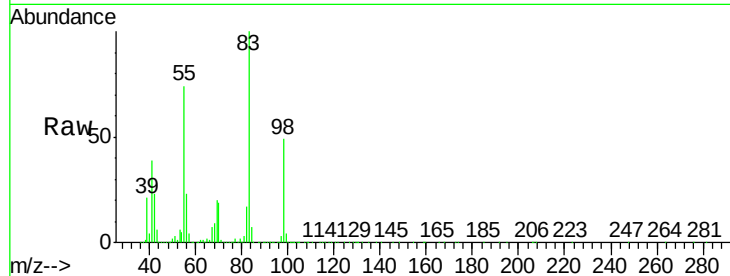
#39
Methylvlcyclohexane
Concen: 49.795 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011569.D
Acq: 15 Aug 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081519

Tot Ion	Ratio	Resp	Lower	Upper
83	100	299607		
55	73.8		58.8	88.2
98	48.7		37.8	56.6

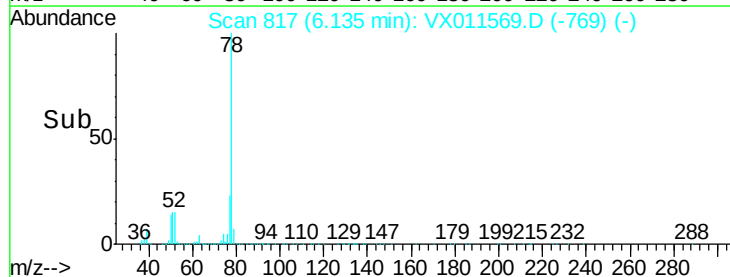
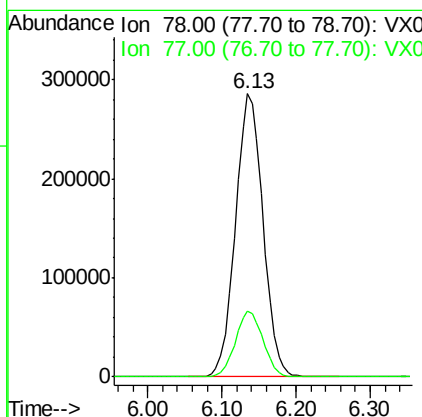
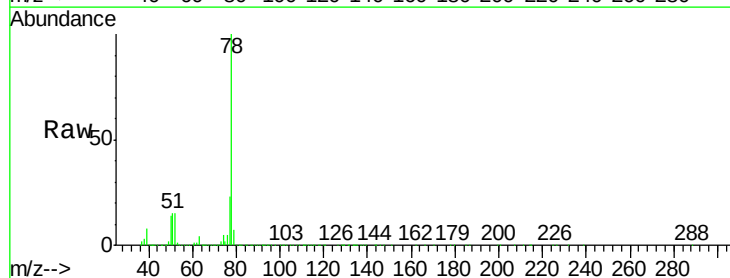
Manual Integrations
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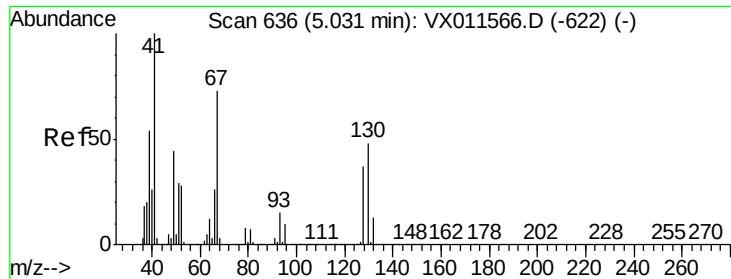
MMDadoda
8/16/2019 8:29:44 AM



#40
Benzene
Concen: 48.882 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011569.D
Acq: 15 Aug 2019 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	740111		
77	23.0		18.6	28.0





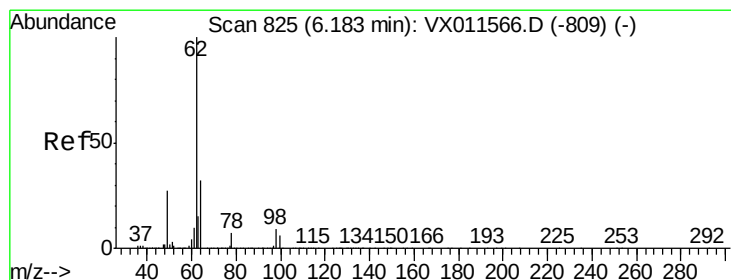
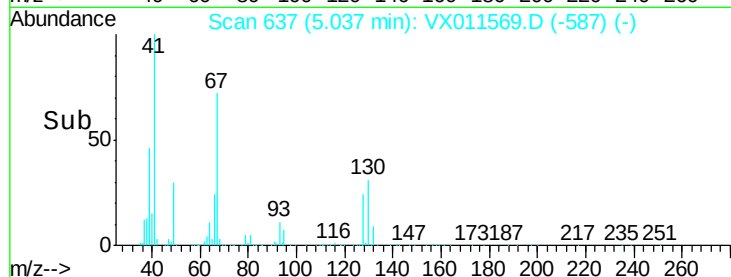
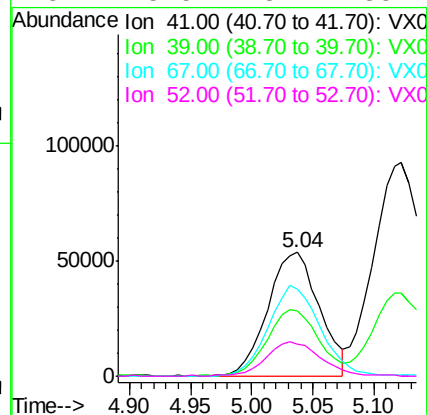
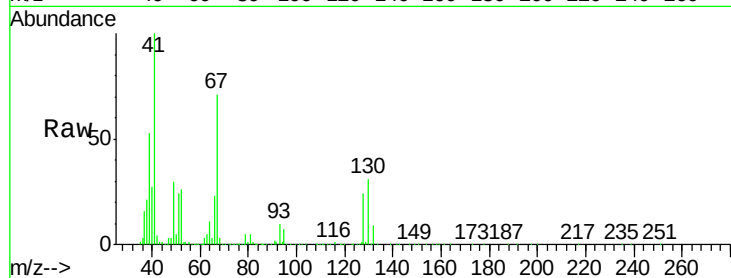
#41
Methacrylonitrile
Concen: 50.920 ug/l
RT: 5.04 min Scan# 637
Delta R.T. 0.01 min
Lab File: VX011569.D
Acq: 15 Aug 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081519

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	43.5	65.3	
67	73.7	59.4	89.2	
52	28.5	23.4	35.2	

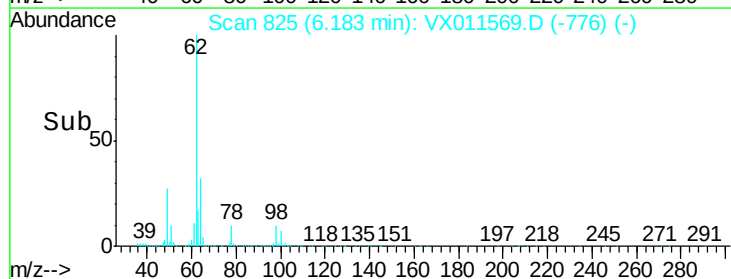
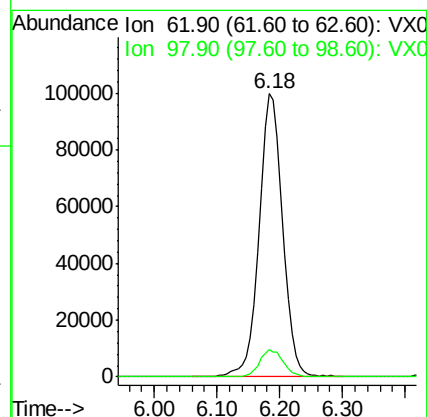
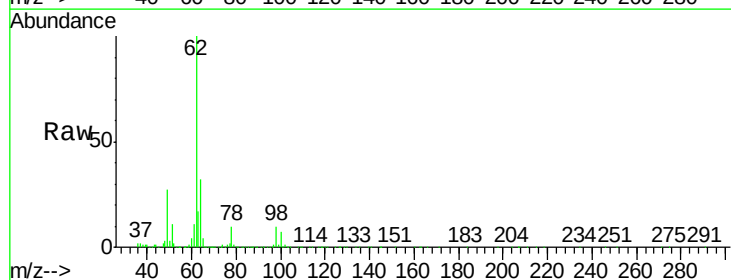
Manual Integrations
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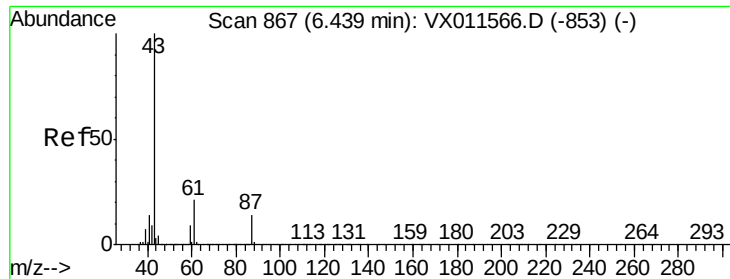
MMDadoda
8/16/2019 8:29:44 AM



#42
1,2-Dichloroethane
Concen: 49.417 ug/l
RT: 6.18 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX011569.D
Acq: 15 Aug 2019 20:01

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	19.4	





#43

Isopropyl Acetate

Concen: 50.499 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Instrument :

MSVOA_X

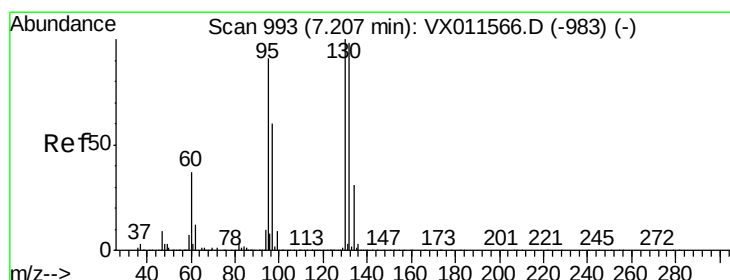
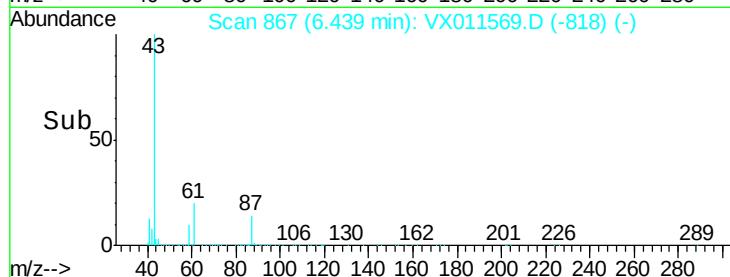
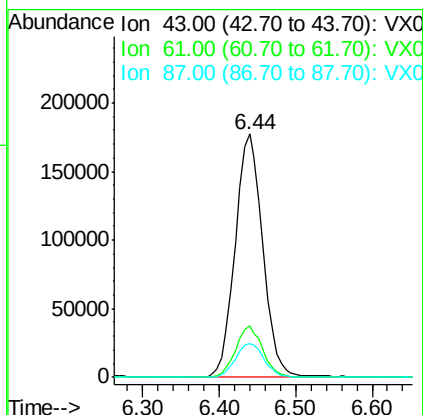
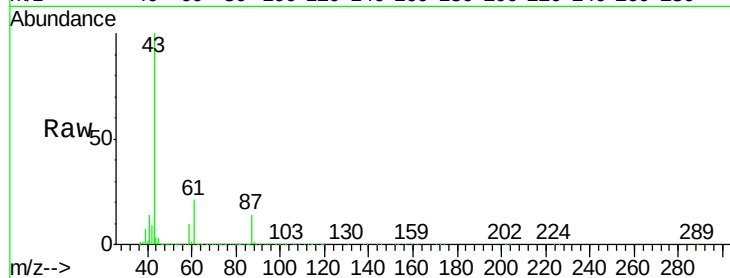
ClientSampleId :

ICVVX081519

Tot Ion:	43	Resp:	441649
Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.6	24.8
87	14.6	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 49.846 ug/l

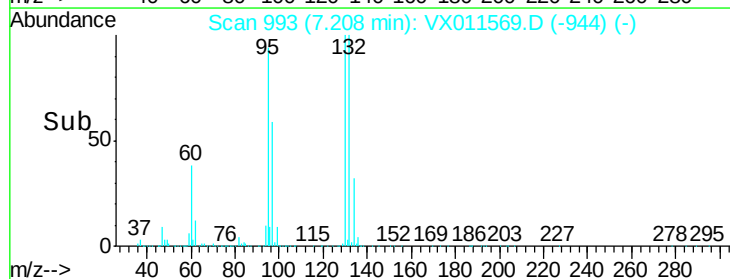
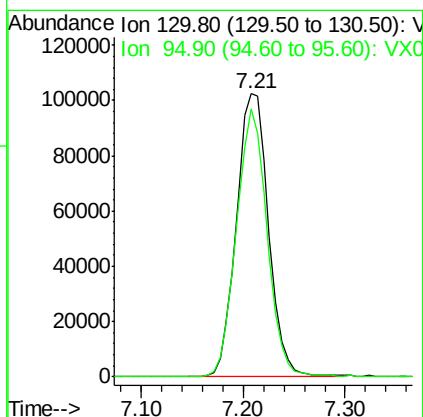
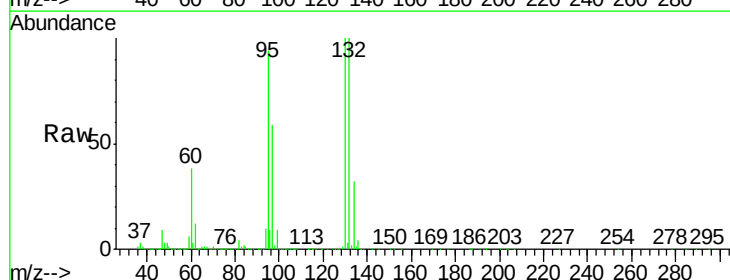
RT: 7.21 min Scan# 993

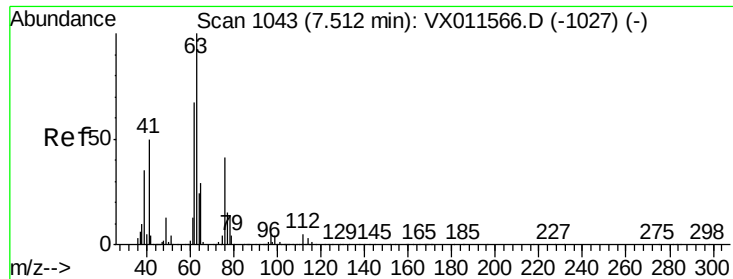
Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Tgt Ion:	130	Resp:	223886
Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	181.4





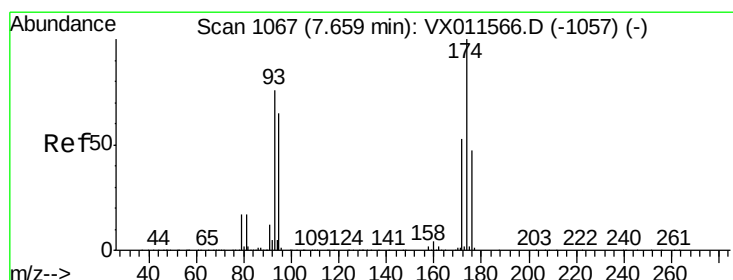
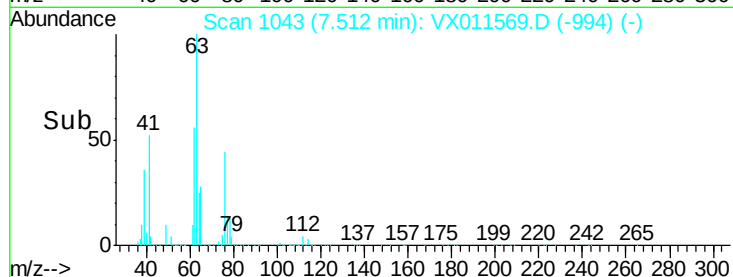
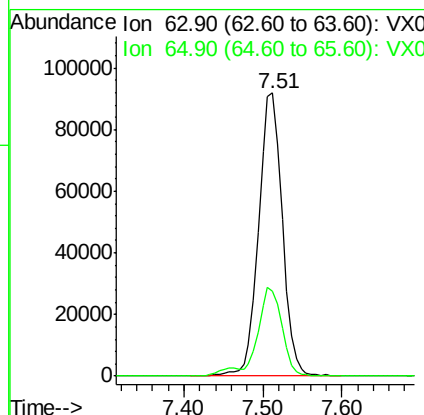
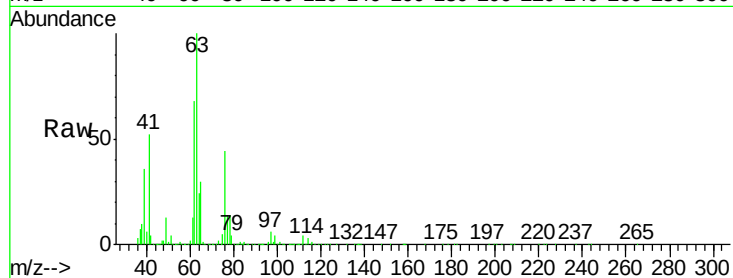
#45
 1,2-Dichloropropane
 Concen: 50.701 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX011569.D
 Acq: 15 Aug 2019 20:01

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX081519

Tot Ion	Ratio	Resp	Lower	Upper
63	100	191448		
65	29.8		23.4	35.2

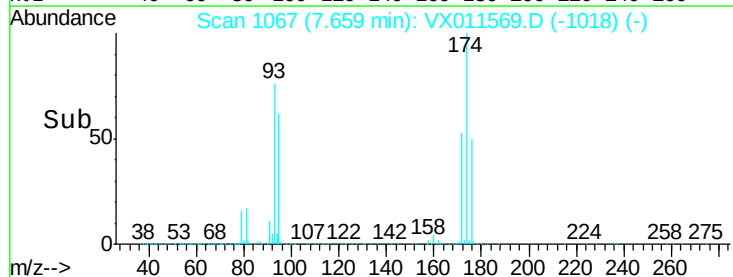
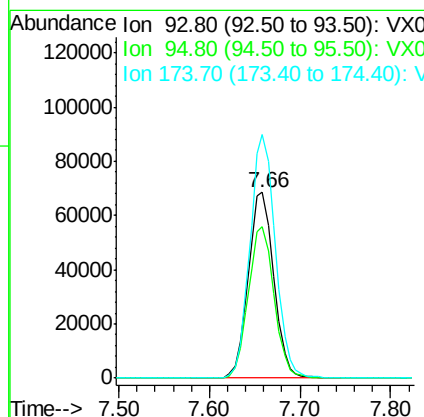
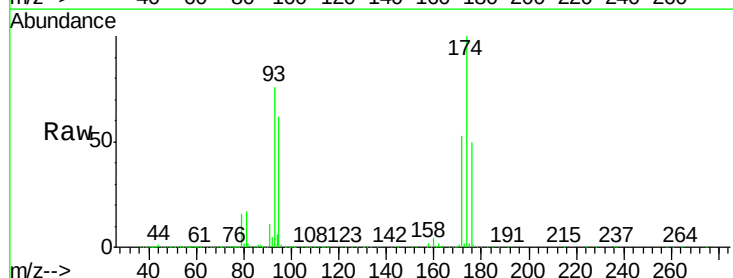
Manual Integrations
 APPROVED

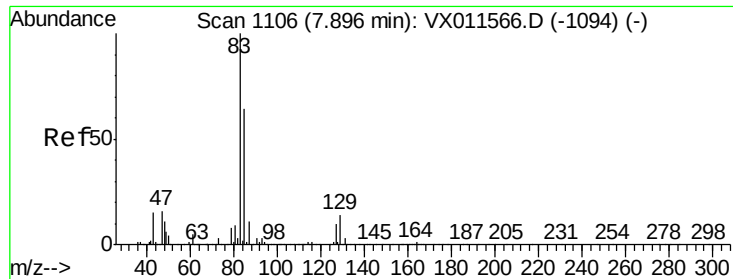
MMDadoda
 8/16/2019 8:29:44 AM



#46
 Dibromomethane
 Concen: 48.912 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011569.D
 Acq: 15 Aug 2019 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	134214		
95	81.6		67.2	100.8
174	130.1		105.5	158.3





#47

Bromodichloromethane

Concen: 50.456 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Instrument :

MSVOA_X

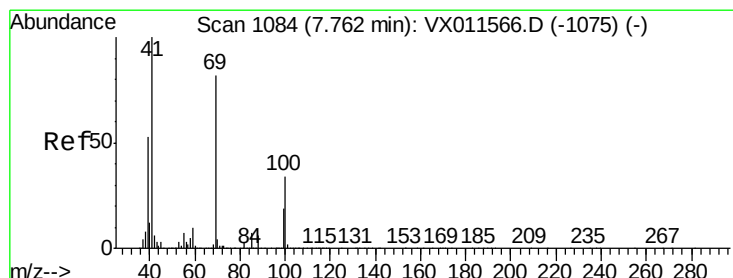
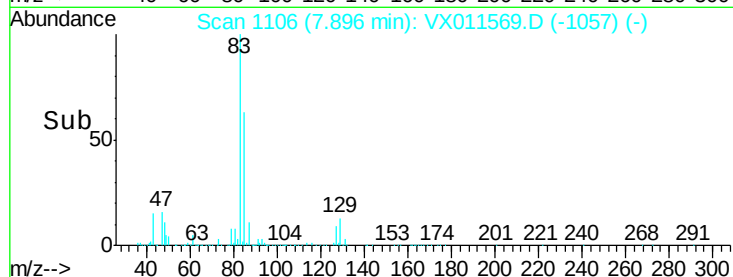
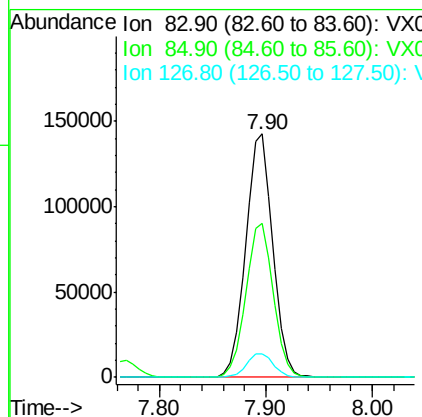
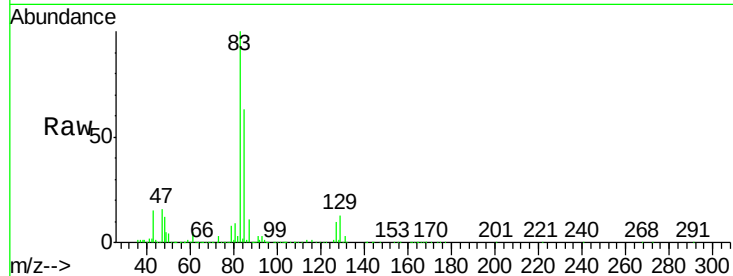
ClientSampleId :

ICVVX081519

Tot Ion:	83	Resp:	254208
Ion Ratio	Lower	Upper	
83	100		
85	63.1	51.2	76.8
127	9.5	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.744 ug/l

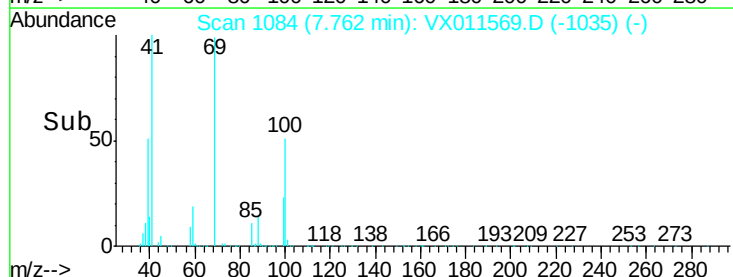
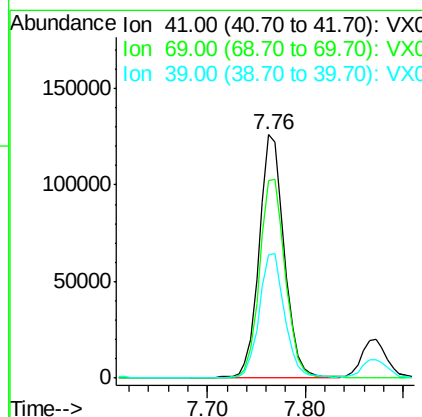
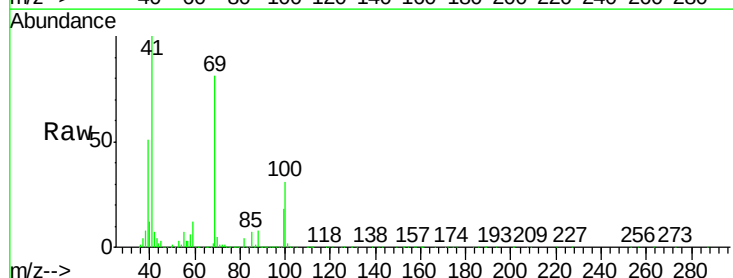
RT: 7.76 min Scan# 1084

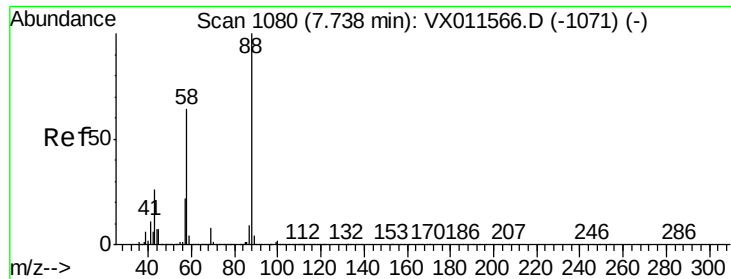
Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Tgt Ion:	41	Resp:	224102
Ion Ratio	Lower	Upper	
41	100		
69	84.1	67.9	101.9
39	51.3	41.6	62.4





#49

1,4-Dioxane

Concen: 1000.821 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Instrument :

MSVOA_X

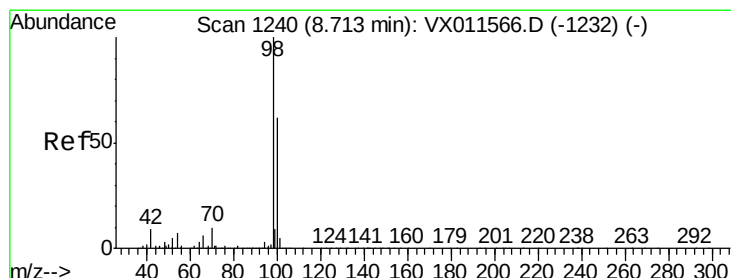
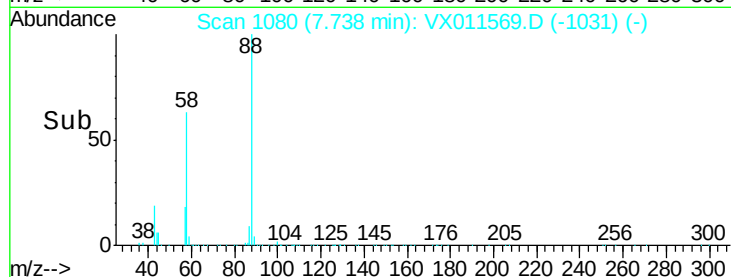
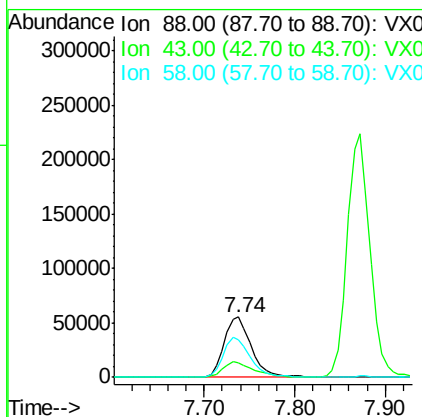
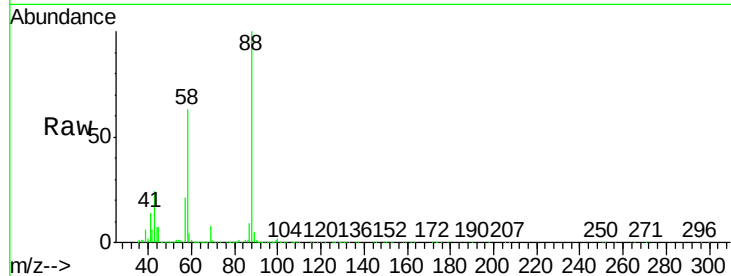
ClientSampleId :

ICVVX081519

Tot Ion:	88	Resp:	115288
Ion Ratio		Lower	Upper
88	100		
43	29.9	23.4	35.0
58	66.6	54.3	81.5

Manual Integrations
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#50

Toluene-d8

Concen: 47.021 ug/l

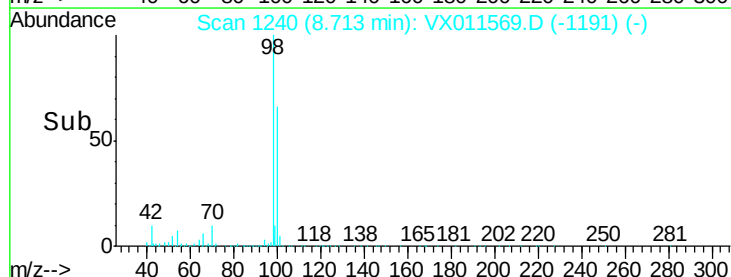
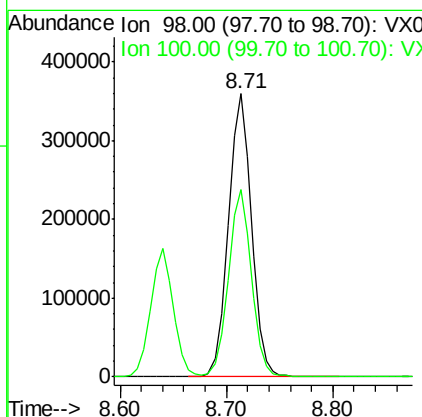
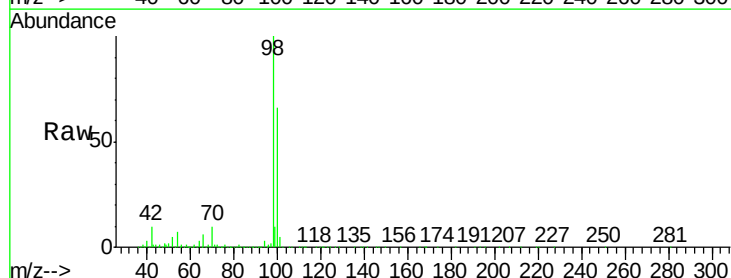
RT: 8.71 min Scan# 1240

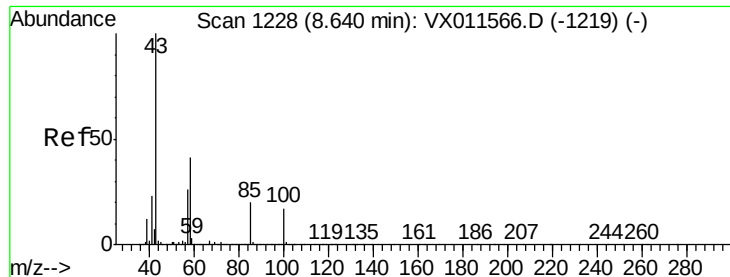
Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Tgt Ion:	98	Resp:	546081
Ion Ratio		Lower	Upper
98	100		
100	65.9	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 256.422 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Instrument :

MSVOA_X

ClientSampleId :

ICVVX081519

Tot Ion: 43 Resp: 1467853

Ion Ratio Lower Upper

43 100

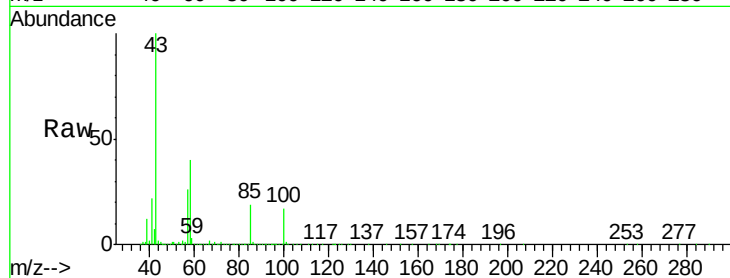
58 39.2 31.8 47.6

Manual Integrations

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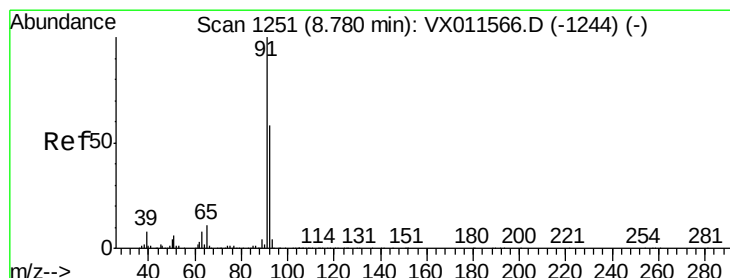
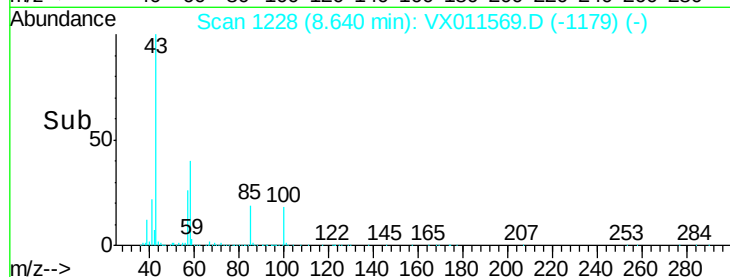
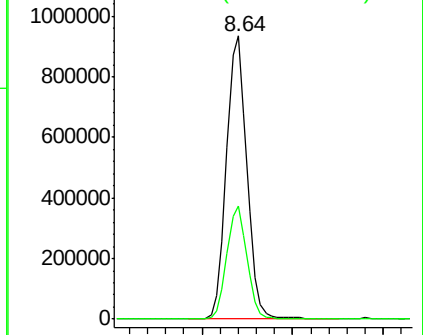
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.820 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011569.D

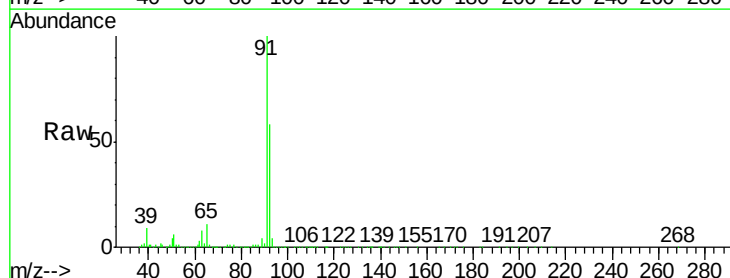
Acq: 15 Aug 2019 20:01

Tgt Ion: 92 Resp: 480566

Ion Ratio Lower Upper

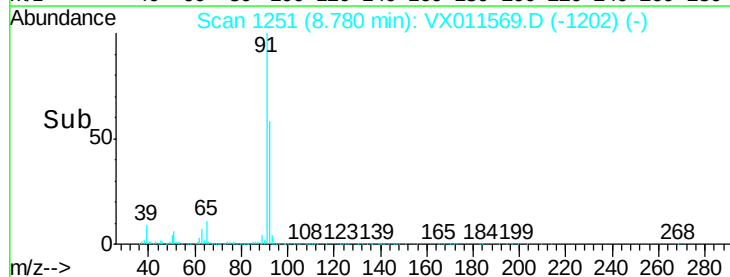
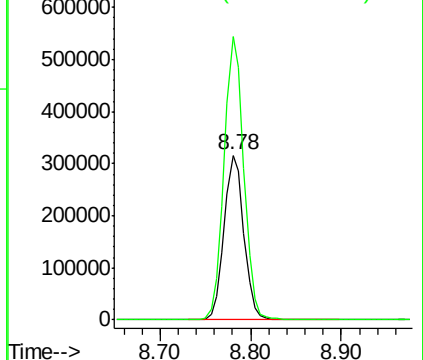
92 100

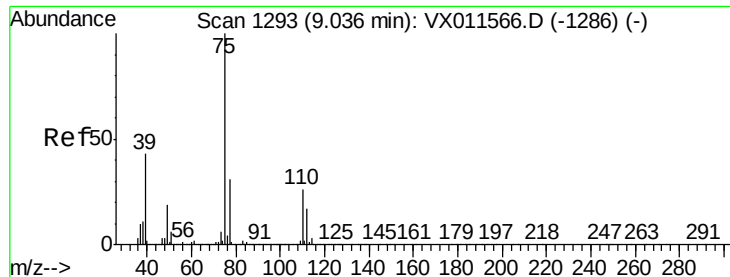
91 171.2 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 52.896 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Instrument :

MSVOA_X

ClientSampleId :

ICVVX081519

Tot Ion: 75 Resp: 276591

Ion Ratio Lower Upper

75 100

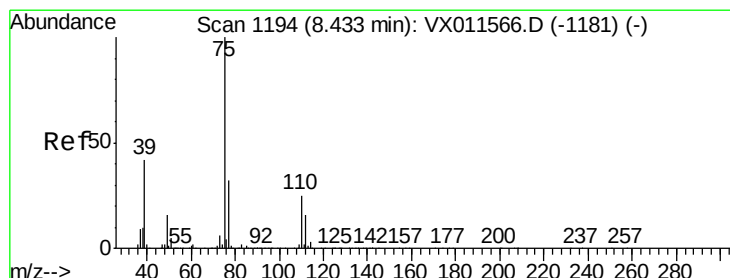
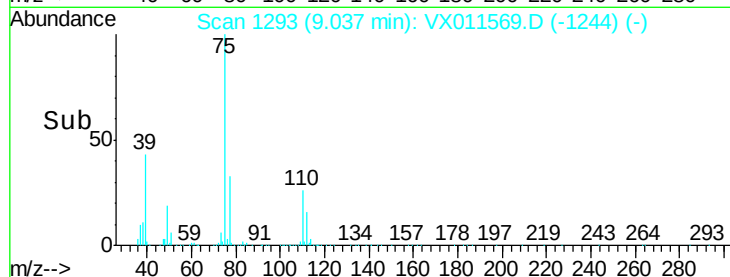
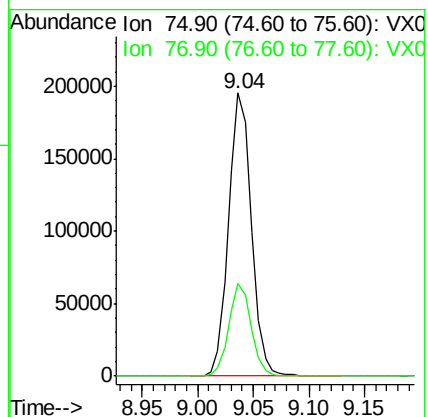
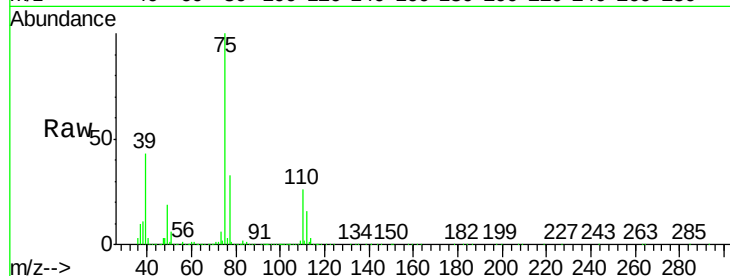
77 32.6 25.1 37.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 52.979 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

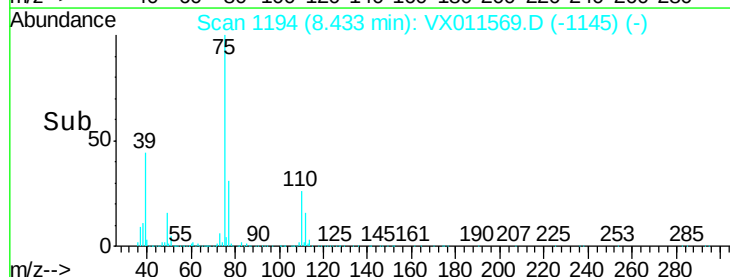
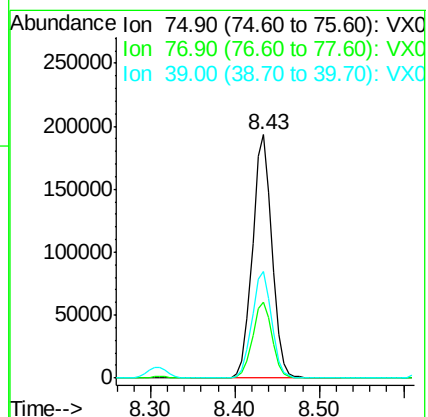
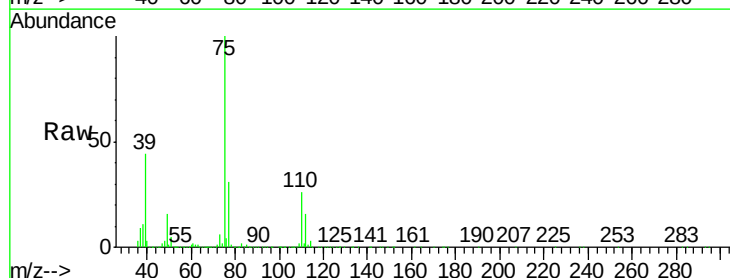
Tgt Ion: 75 Resp: 303165

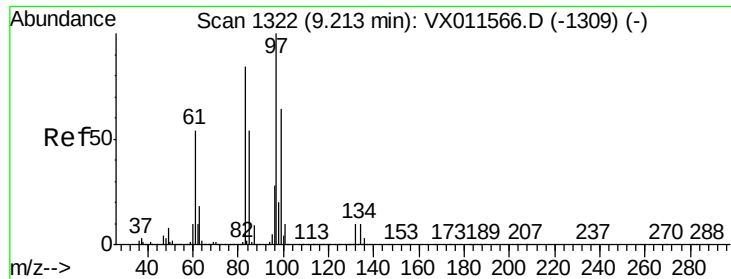
Ion Ratio Lower Upper

75 100

77 31.3 25.5 38.3

39 43.7 33.6 50.4





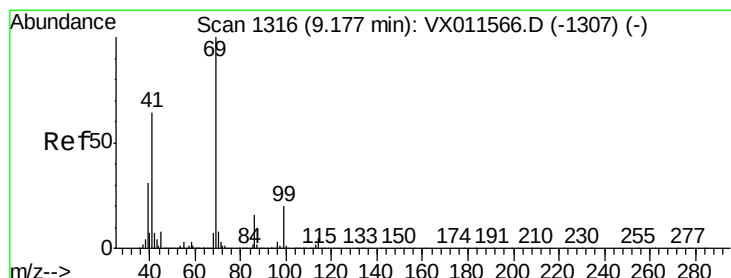
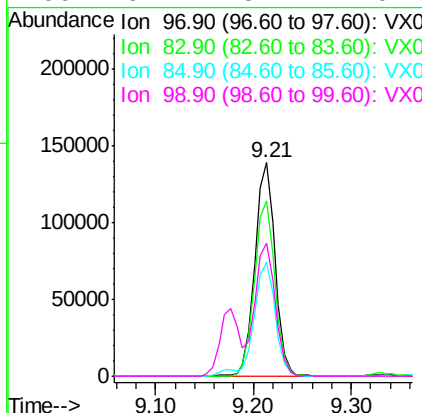
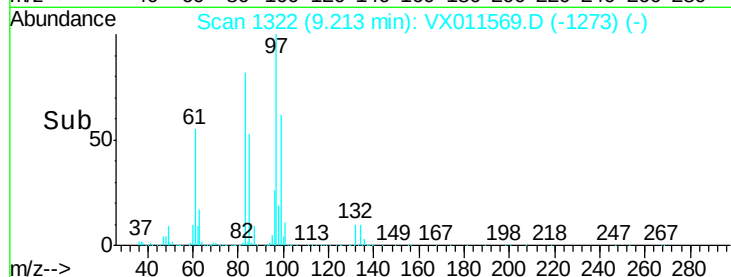
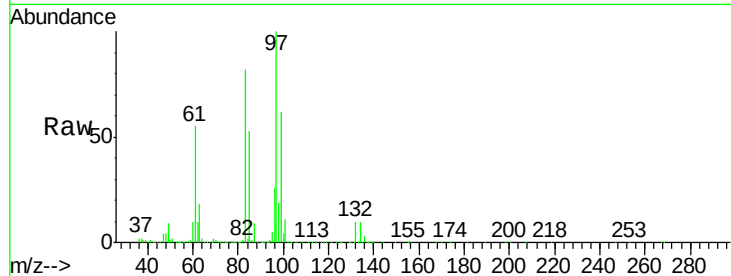
#55
 1,1,2-Trichloroethane
 Concen: 48.798 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011569.D
 Acq: 15 Aug 2019 20:01

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX081519

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		200167		
83	82.4	67.4	101.0		
85	53.3	43.4	65.2		
99	62.4	51.1	76.7		

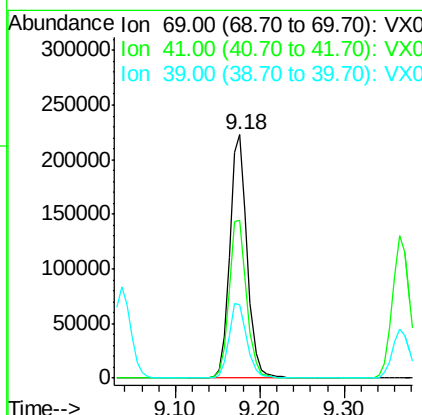
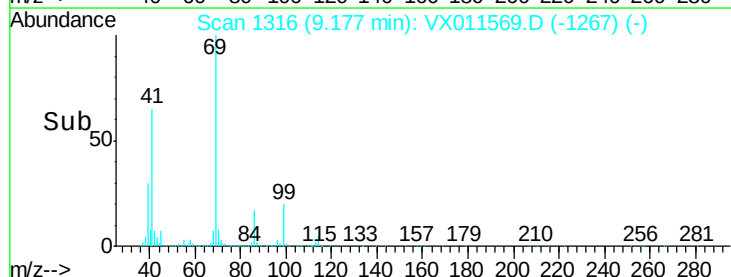
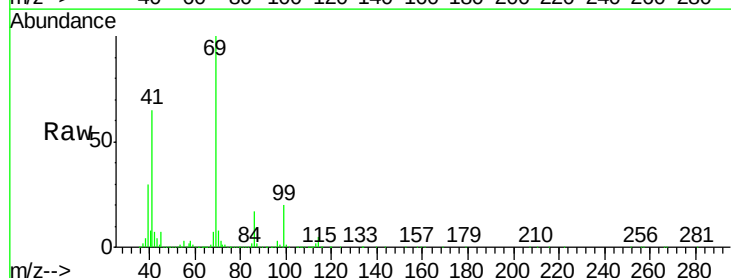
Manual Integrations
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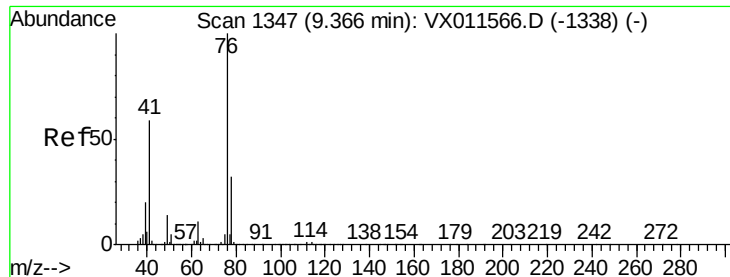
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#56
 Ethyl methacrylate
 Concen: 52.191 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011569.D
 Acq: 15 Aug 2019 20:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		311162		
41	65.8	52.1	78.1		
39	31.7	25.4	38.0		





#57

1,3-Dichloropropane

Concen: 49.462 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Instrument :

MSVOA_X

ClientSampleId :

ICVVX081519

Tot Ion: 76 Resp: 322510

Ion Ratio Lower Upper

76 100

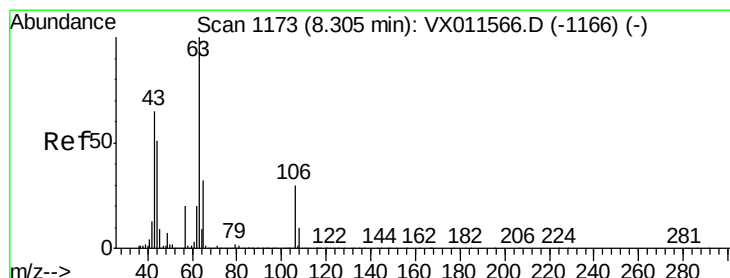
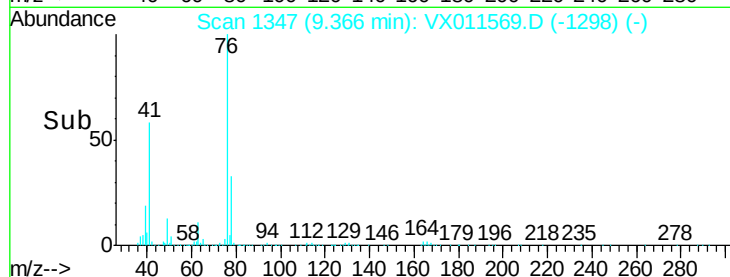
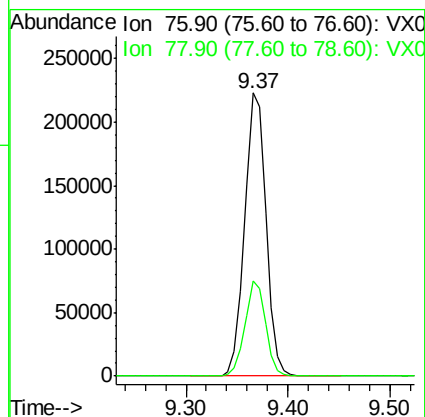
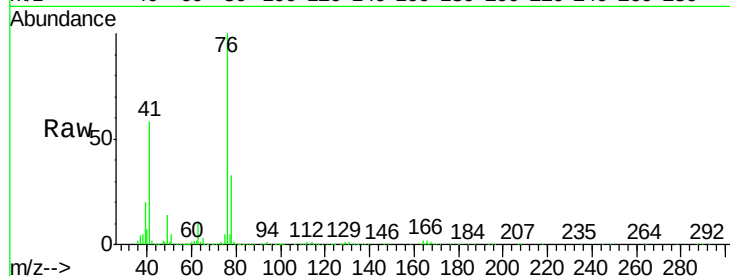
78 32.6 26.2 39.4

Manual Integrations

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MMDadoda

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#58

2-Chloroethyl Vinyl ether

Concen: 258.678 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VX011569.D

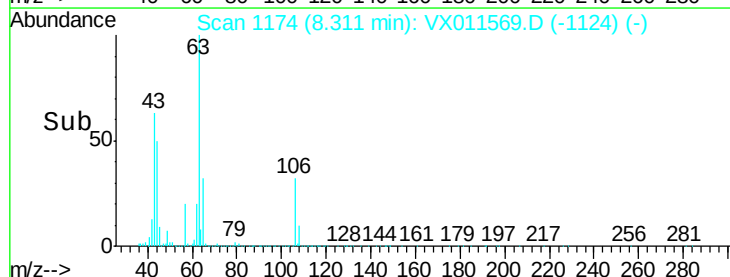
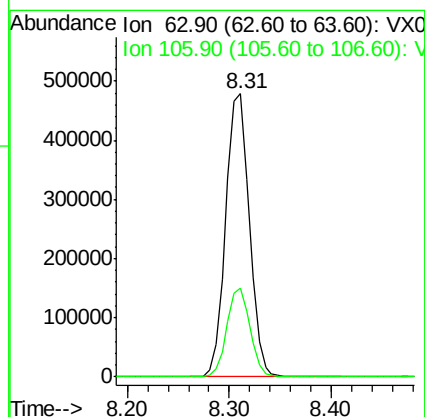
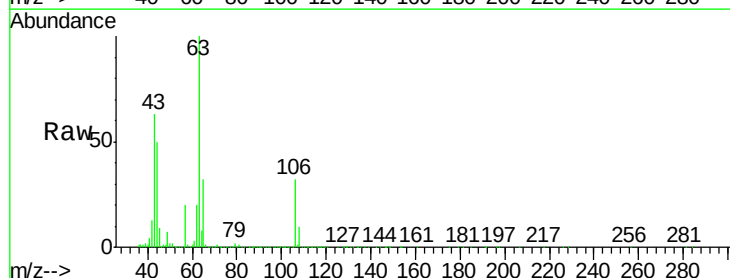
Acq: 15 Aug 2019 20:01

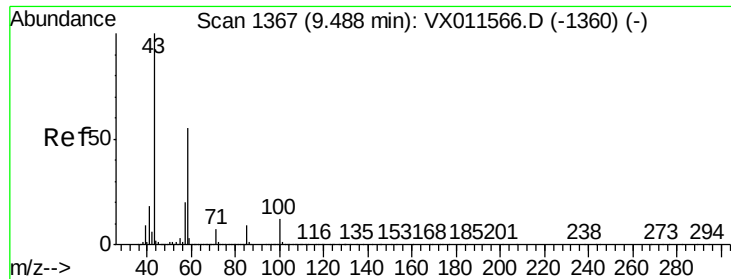
Tgt Ion: 63 Resp: 768435

Ion Ratio Lower Upper

63 100

106 30.7 24.7 37.1





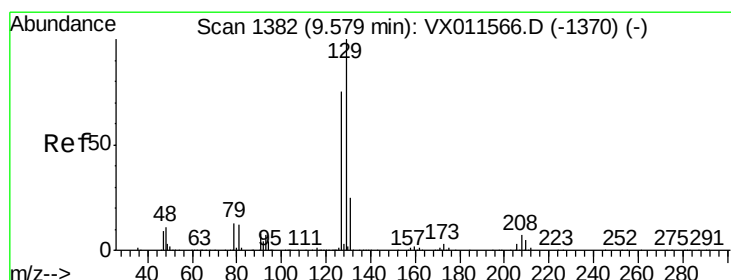
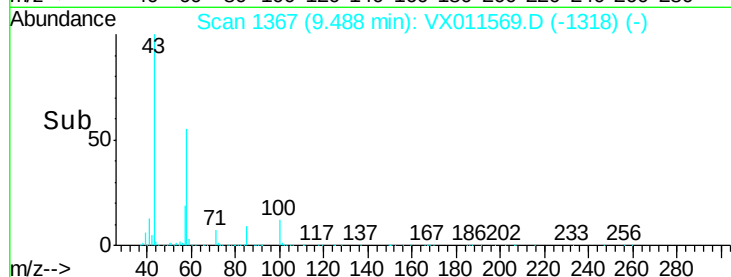
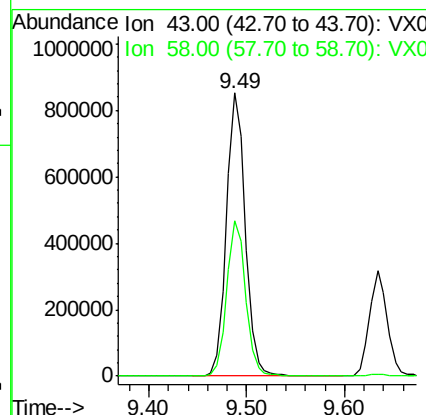
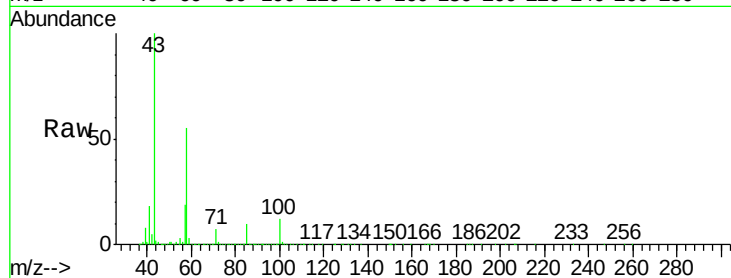
#59
2-Hexanone
Concen: 258.265 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011569.D
Acq: 15 Aug 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081519

Tot Ion: 43 Resp: 1140079
Ion Ratio Lower Upper
43 100
58 55.1 27.5 82.4

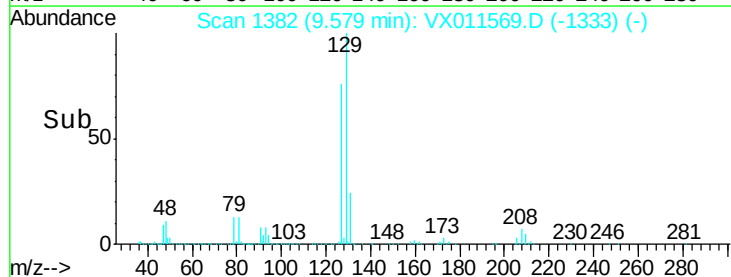
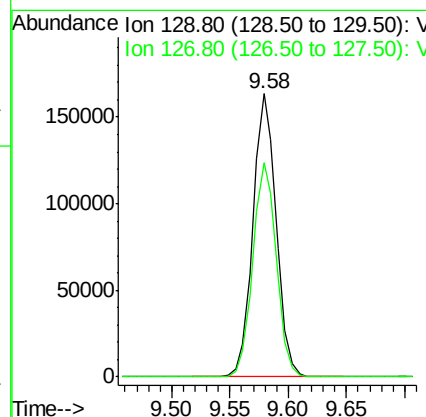
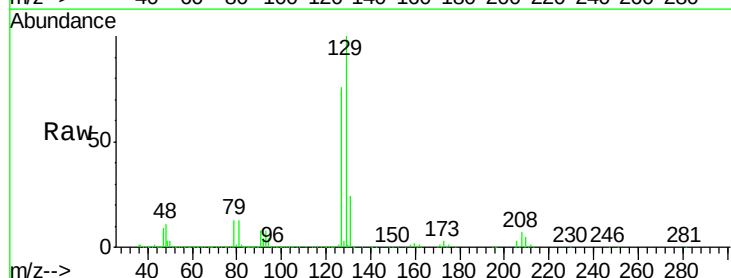
Manual Integrations
APPROVED

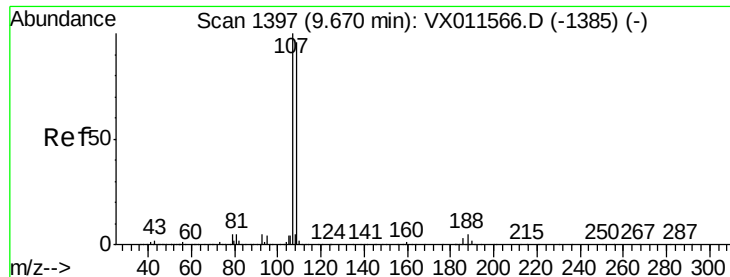
MMDadoda
8/16/2019 8:29:44 AM



#60
Dibromochloromethane
Concen: 53.292 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011569.D
Acq: 15 Aug 2019 20:01

Tgt Ion: 129 Resp: 227761
Ion Ratio Lower Upper
129 100
127 76.6 38.0 114.1





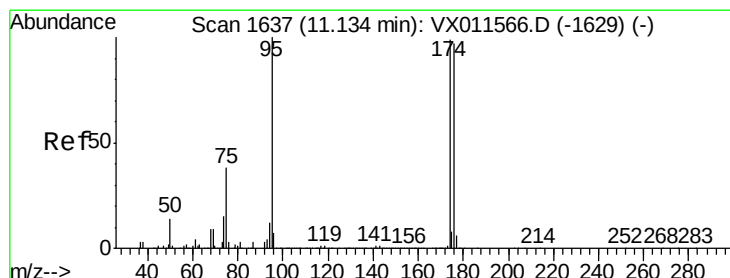
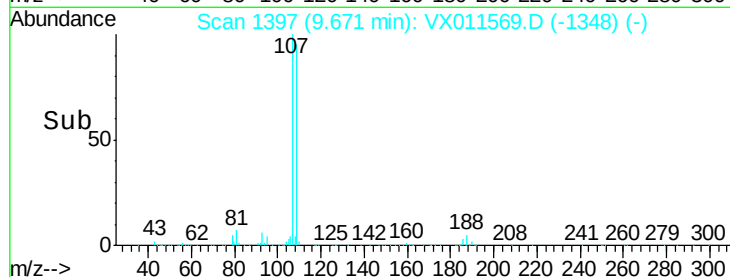
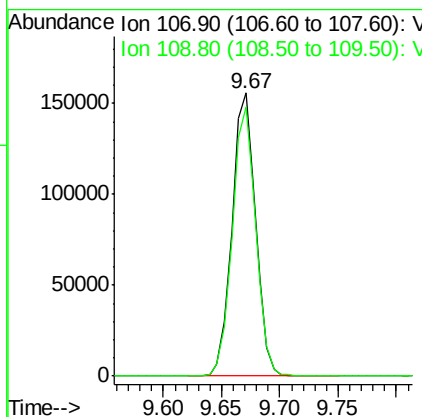
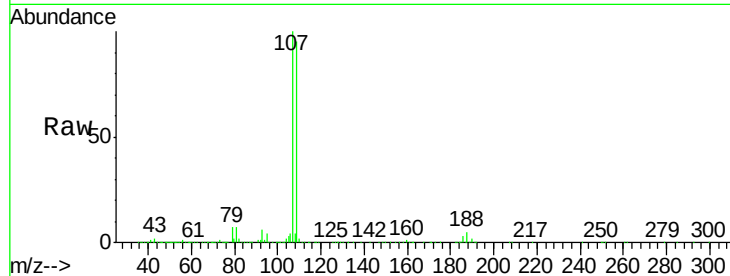
#61
 1,2-Dibromoethane
 Concen: 50.149 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX011569.D
 Acq: 15 Aug 2019 20:01

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX081519

Tot Ion	Ratio	Resp	Lower	Upper
107	100	219544		
109	95.0	76.2	114.2	

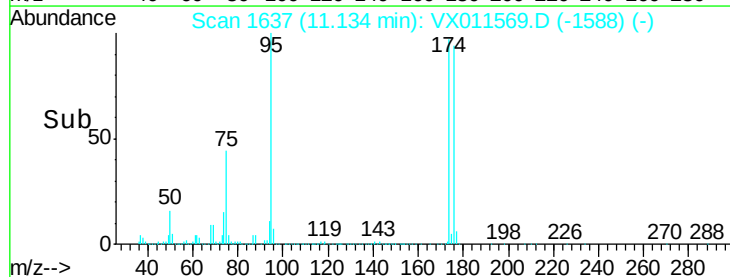
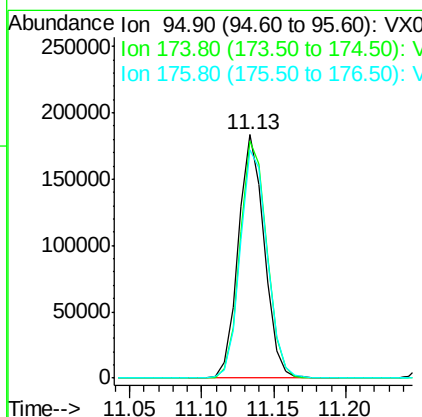
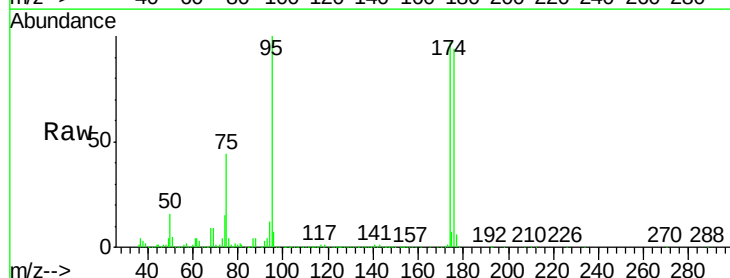
Manual Integrations
 APPROVED

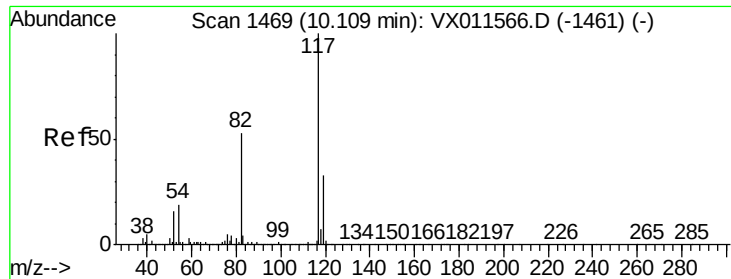
MMDadoda
 8/16/2019 8:29:44 AM



#62
 4-Bromofluorobenzene
 Concen: 46.804 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX011569.D
 Acq: 15 Aug 2019 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	229428		
174	100.2	0.0	200.6	
176	97.2	0.0	196.6	





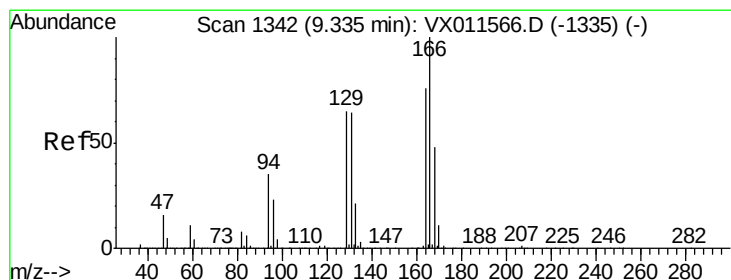
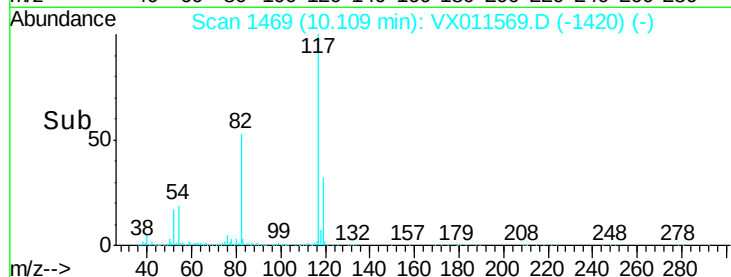
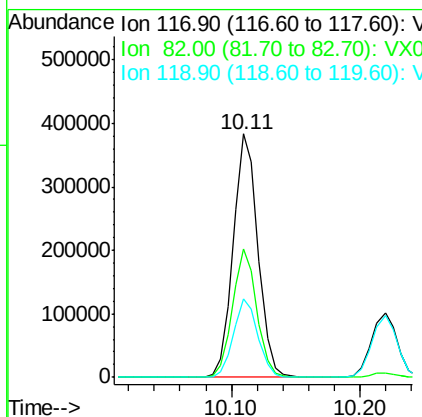
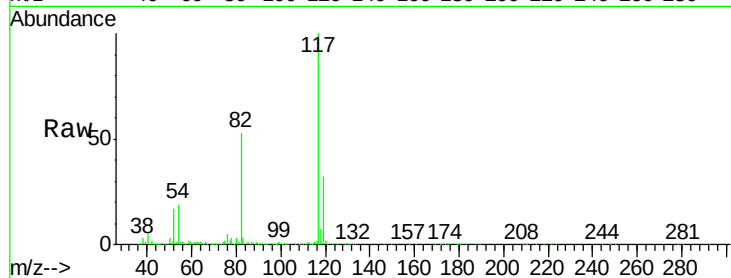
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011569.D
Acq: 15 Aug 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081519

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	53.0	42.0	63.0
119	32.2	26.5	39.7

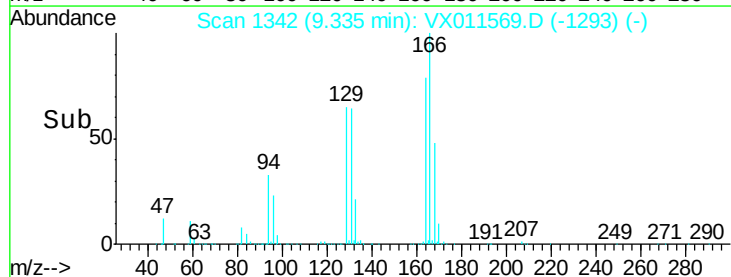
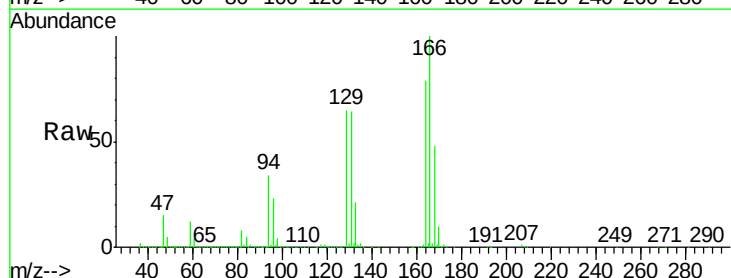
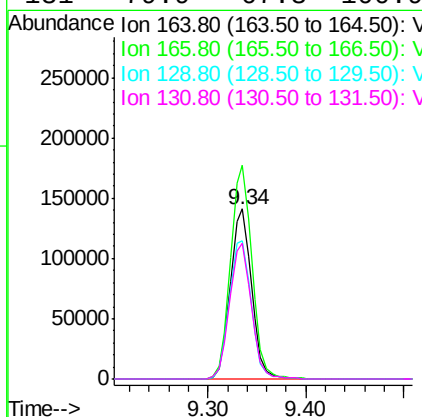
Manual Integrations
APPROVED

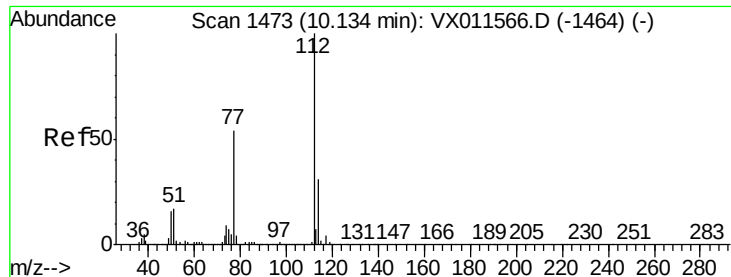
MMDadoda
8/16/2019 8:29:44 AM



#64
Tetrachloroethene
Concen: 50.725 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011569.D
Acq: 15 Aug 2019 20:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	125.7	104.7	157.1
129	81.7	68.2	102.4
131	79.9	67.3	100.9





#65

Chlorobenzene

Concen: 49.166 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Instrument :

MSVOA_X

ClientSampleId :

ICVVX081519

Tot Ion:112 Resp: 537504

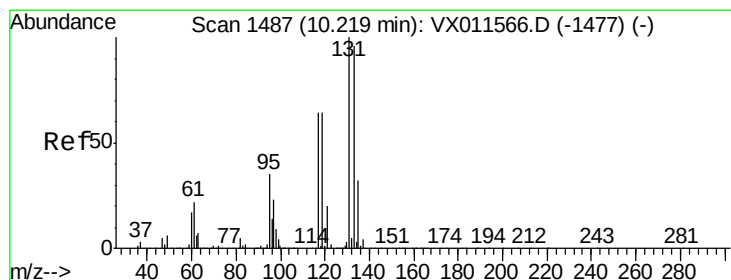
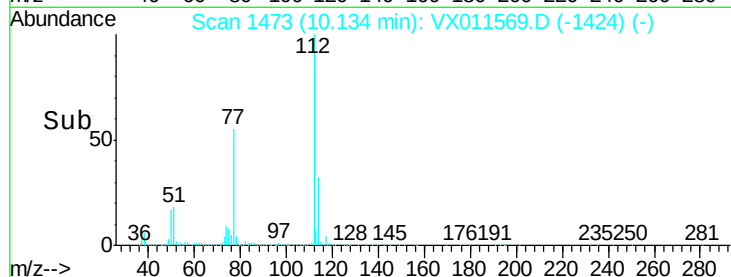
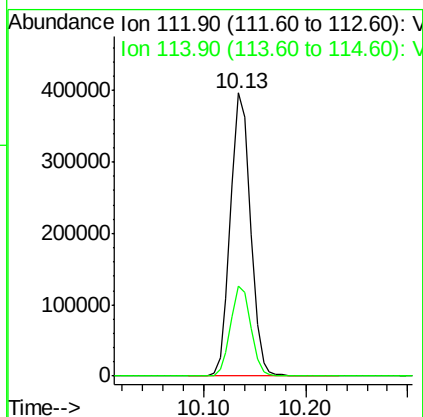
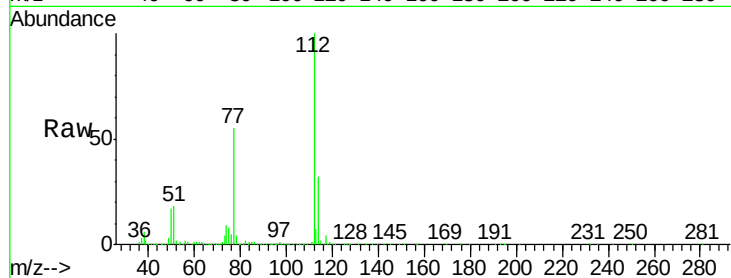
Ion Ratio Lower Upper

112 100

114 32.0 25.0 37.6

Manual Integrations
APPROVED

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#66

1,1,1,2-Tetrachloroethane

Concen: 51.862 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

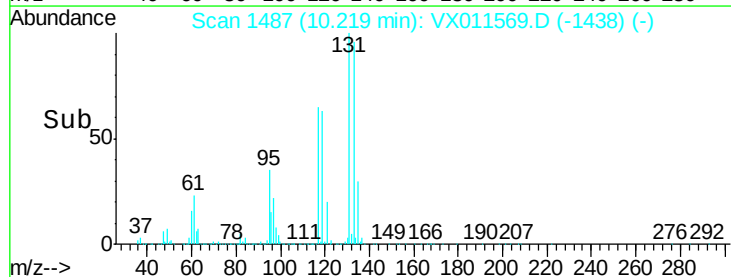
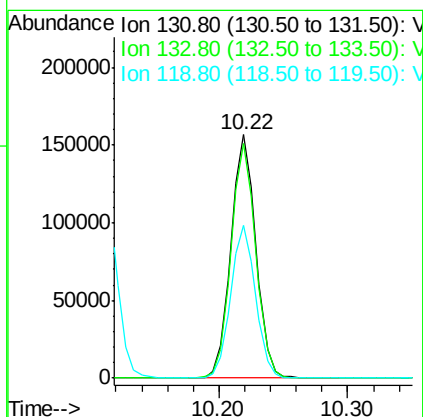
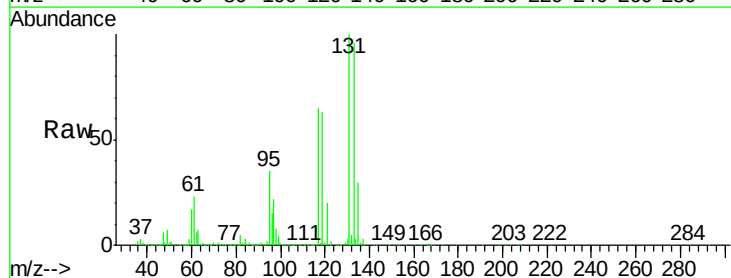
Tgt Ion:131 Resp: 211916

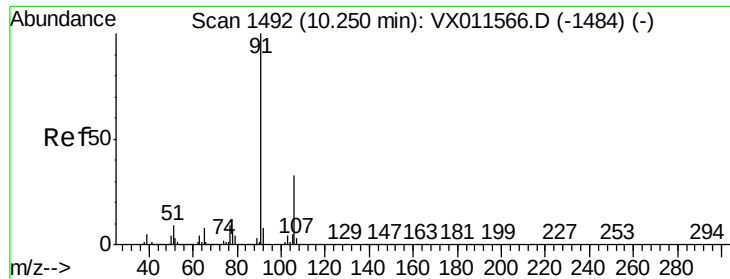
Ion Ratio Lower Upper

131 100

133 95.8 48.1 144.4

119 62.5 31.3 93.8





#67

Ethyl Benzene

Concen: 50.704 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Instrument :

MSVOA_X

ClientSampled :

ICVVX081519

Tot Ion: 91 Resp: 925100

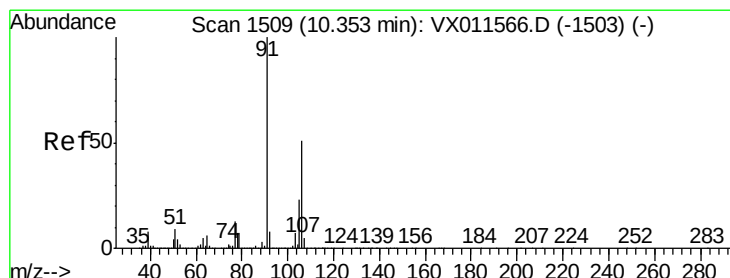
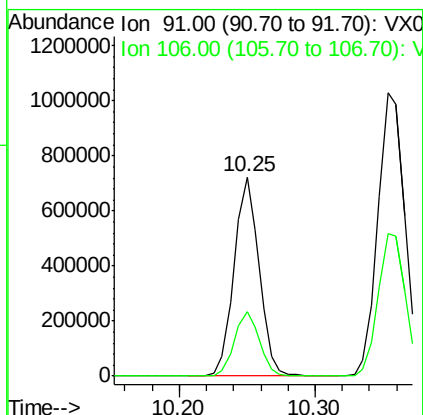
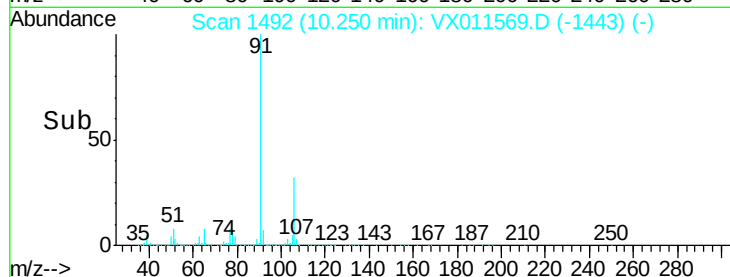
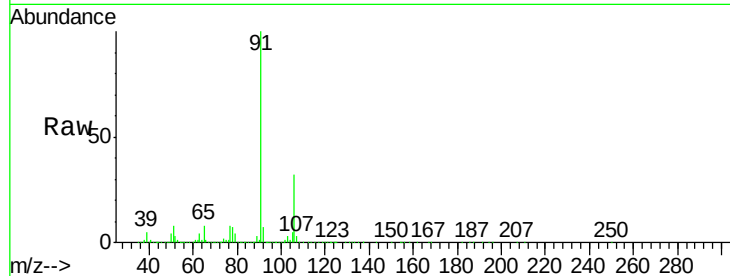
Ion Ratio Lower Upper

91 100

106 32.2 26.0 39.0

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 103.277 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011569.D

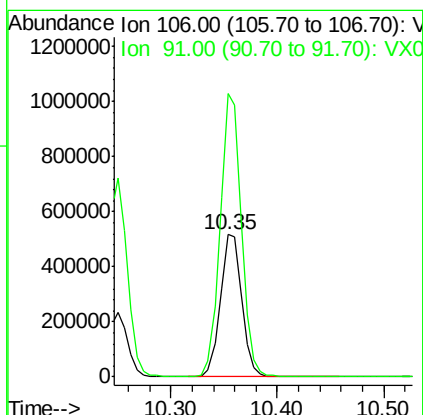
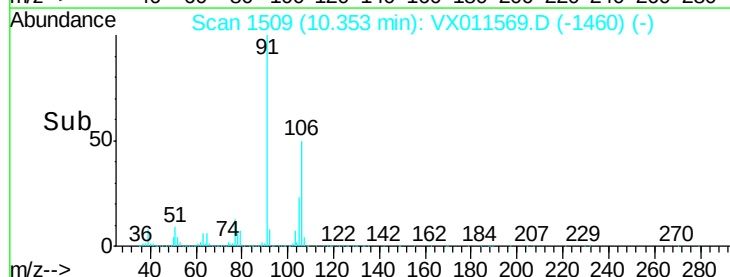
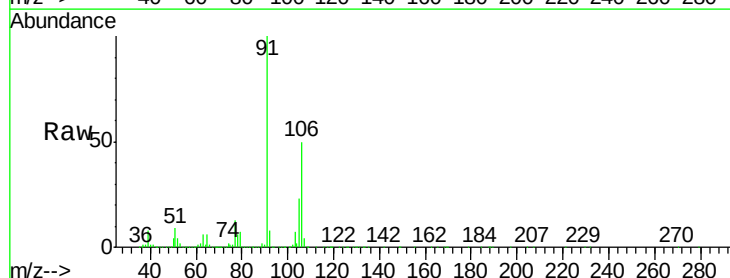
Acq: 15 Aug 2019 20:01

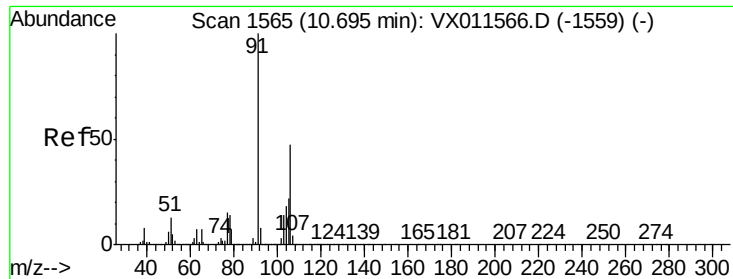
Tgt Ion: 106 Resp: 723295

Ion Ratio Lower Upper

106 100

91 197.2 156.0 234.0





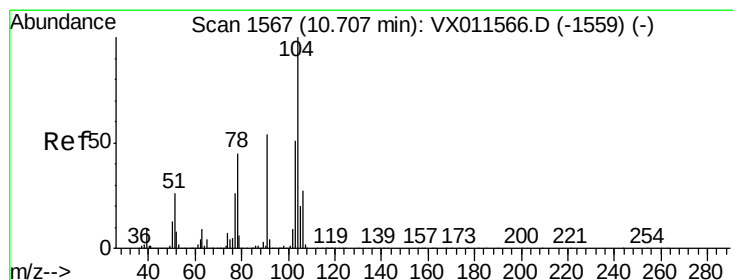
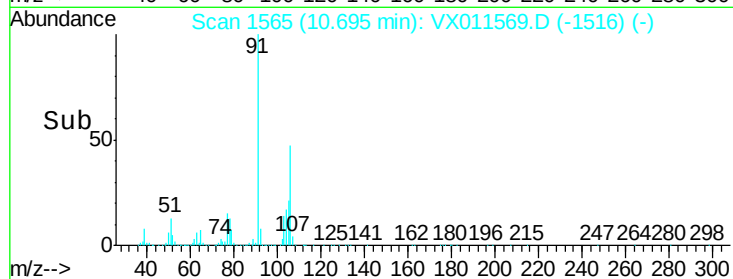
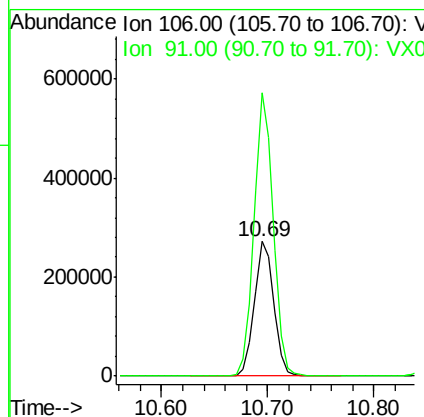
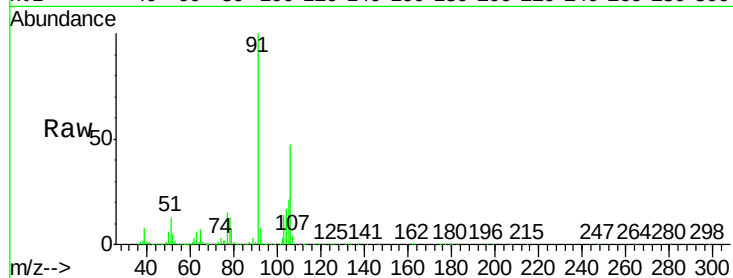
#69
o-Xylene
Concen: 51.078 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011569.D
Acq: 15 Aug 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081519

Tot Ion	Ratio	Resp	Lower	Upper
106	100	350397		
91	206.3	105.5	316.4	

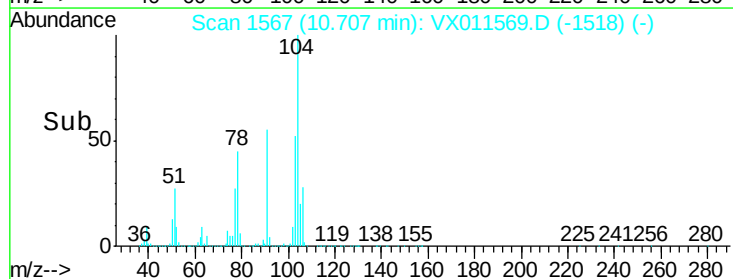
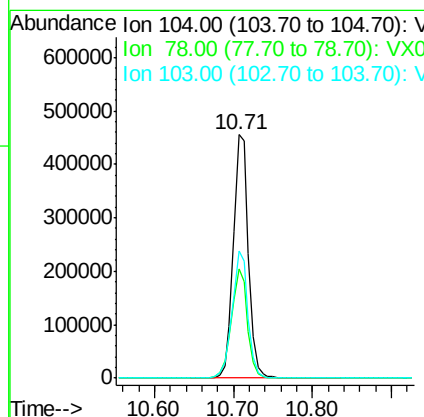
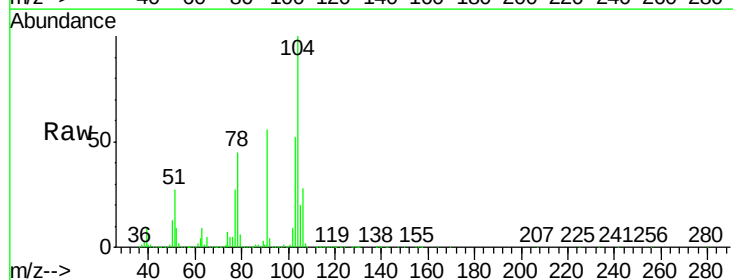
Manual Integrations
APPROVED

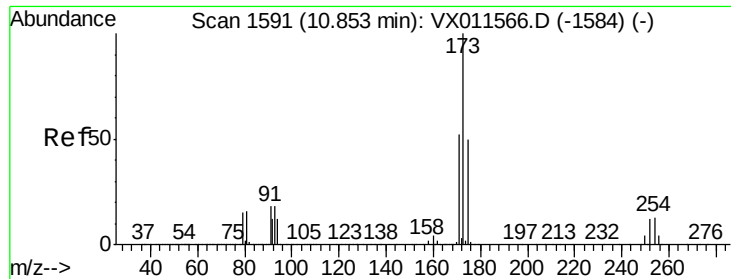
MMDadoda
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#70
Styrene
Concen: 52.261 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011569.D
Acq: 15 Aug 2019 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	603533		
78	47.7	38.2	57.4	
103	54.6	43.6	65.4	





#71

Bromoform

Concen: 46.990 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Instrument :

MSVOA_X

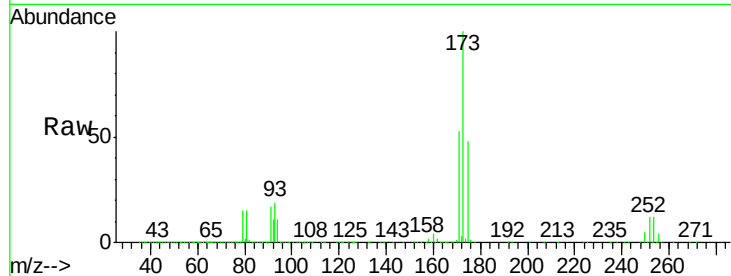
ClientSampleId :

ICVVX081519

Tot Ion:	173	Resp:	185747
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.9	74.7
254	0.2	0.1	0.1#

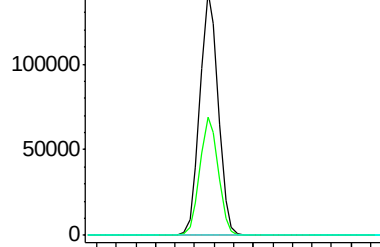
Manual Integrations
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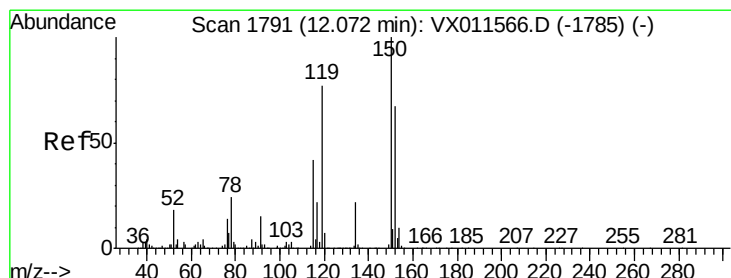
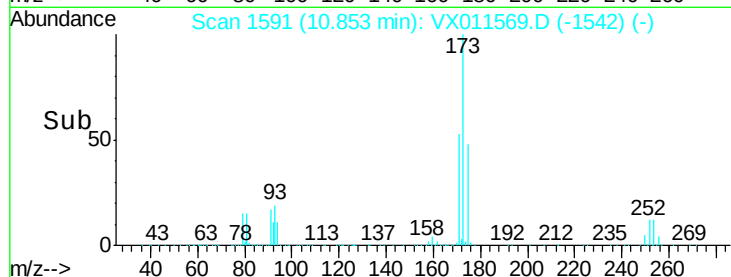


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

10.85



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

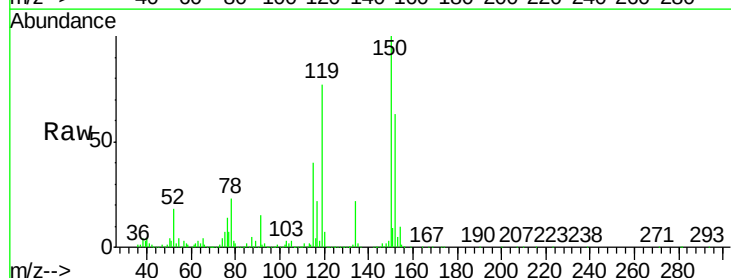
RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011569.D

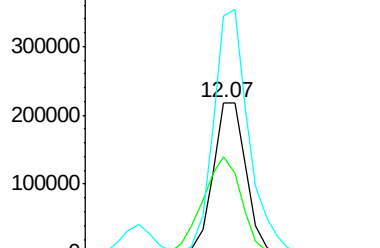
Acq: 15 Aug 2019 20:01

Tgt Ion:	152	Resp:	282053
Ion Ratio	Lower	Upper	
152	100		
115	75.8	37.3	111.9
150	174.1	0.0	346.2

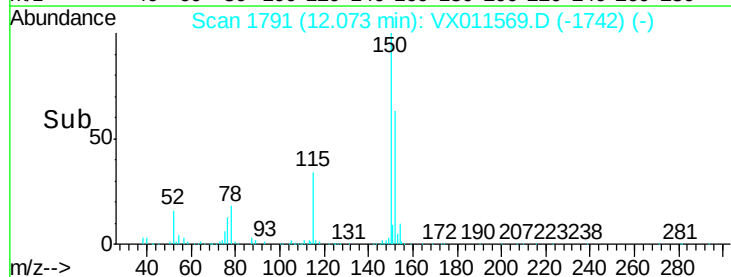


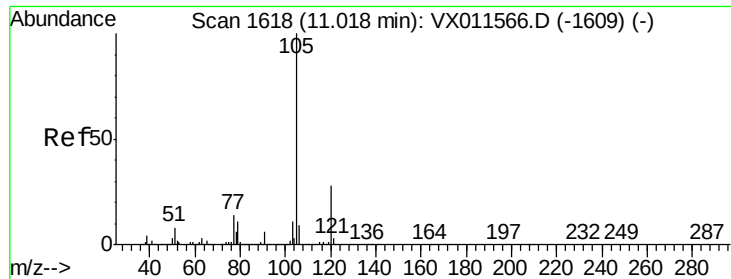
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

12.07



Time-->





#73

Isopropylbenzene

Concen: 51.383 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Instrument :

MSVOA_X

ClientSampleId :

ICVVX081519

Tot Ion: 105 Resp: 940409

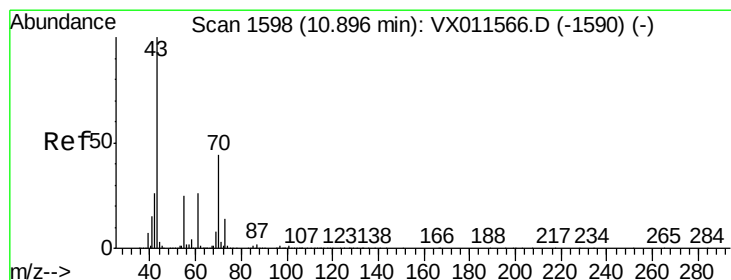
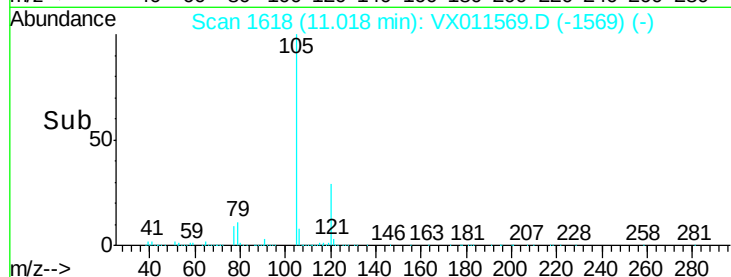
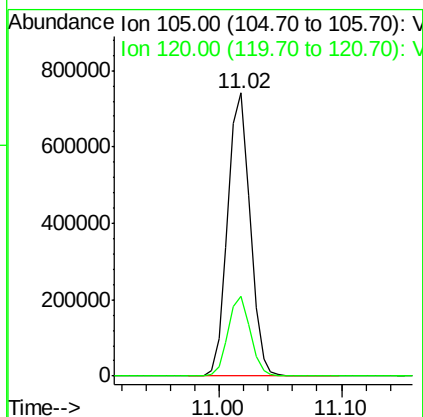
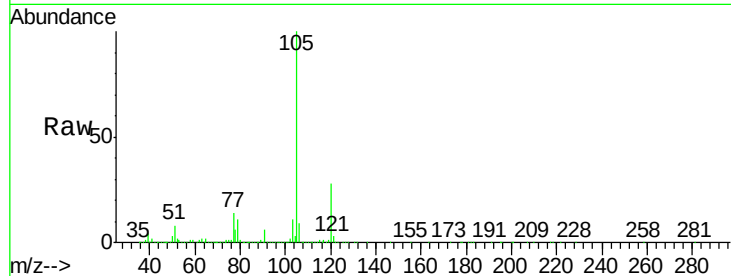
Ion Ratio Lower Upper

105 100

120 27.8 14.0 41.9

Manual Integrations
APPROVED

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#74

N-ethyl acetate

Concen: 51.498 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Tgt Ion: 43 Resp: 400539

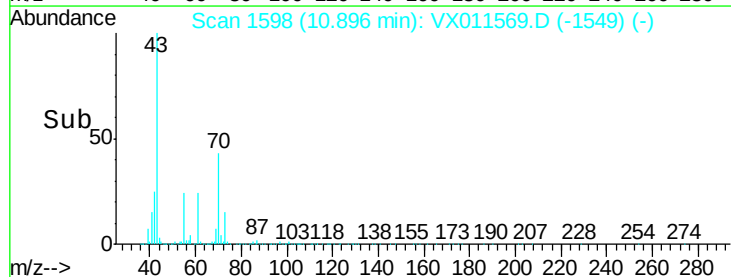
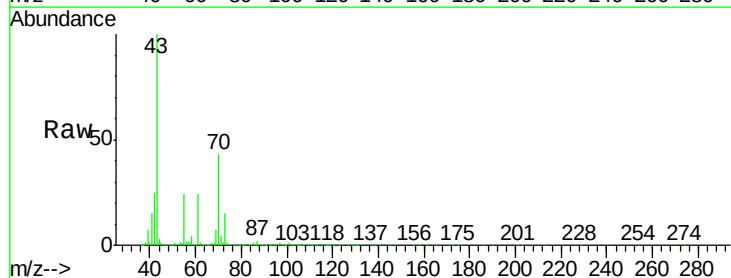
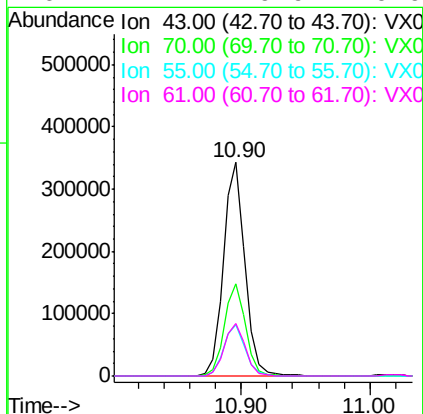
Ion Ratio Lower Upper

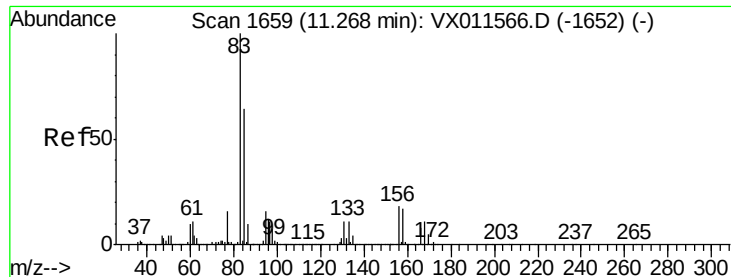
43 100

70 42.8 34.7 52.1

55 24.1 19.6 29.4

61 24.4 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 49.599 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Instrument :

MSVOA_X

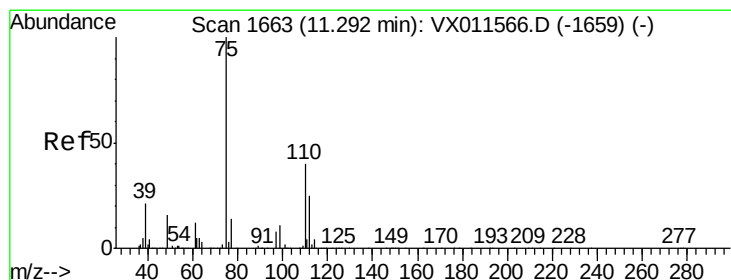
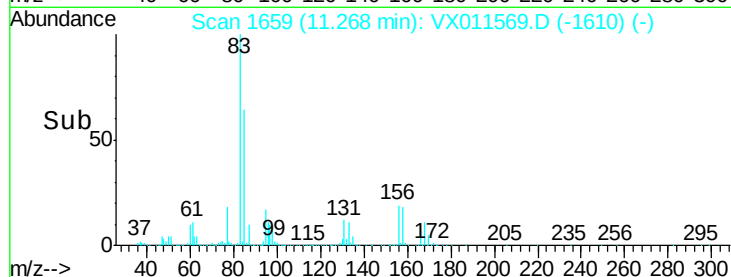
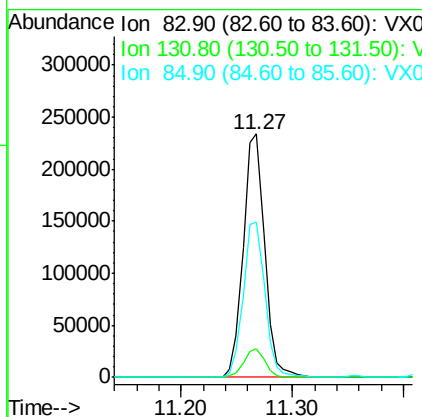
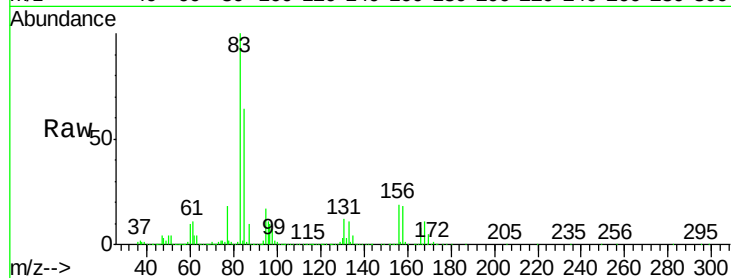
ClientSampleId :

ICVVX081519

Tot Ion:	83	Resp:	312271
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.8	17.3
85	65.1	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.870 ug/l m

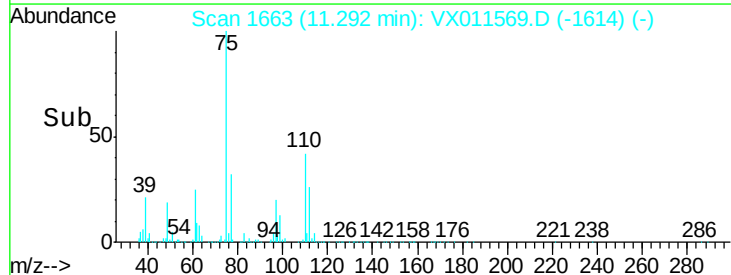
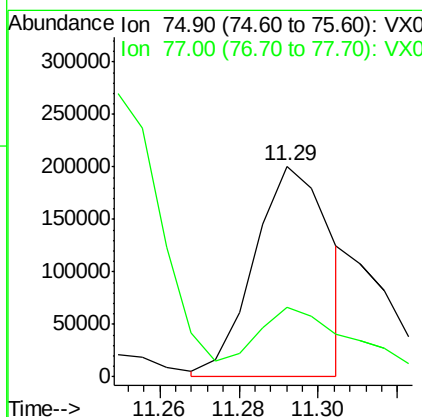
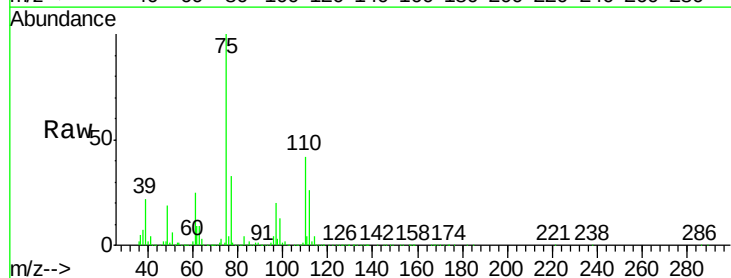
RT: 11.29 min Scan# 1663

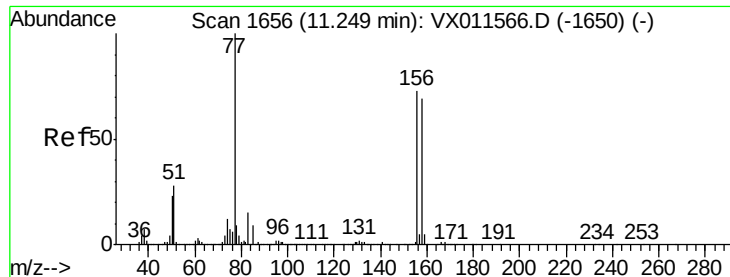
Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Tgt Ion:	75	Resp:	266724
Ion Ratio	Lower	Upper	
75	100		
77	42.9	20.9	62.8





#77

Bromobenzene

Concen: 50.787 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.01 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Instrument :

MSVOA_X

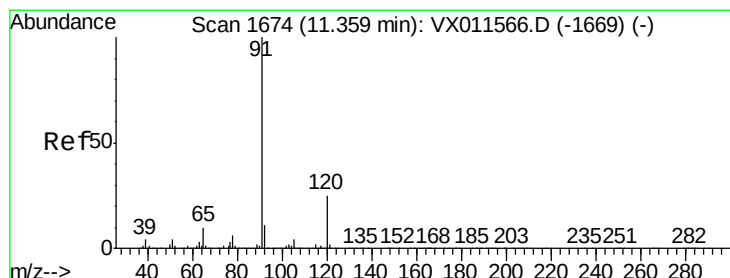
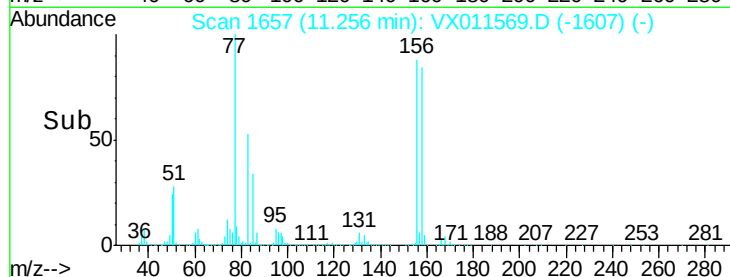
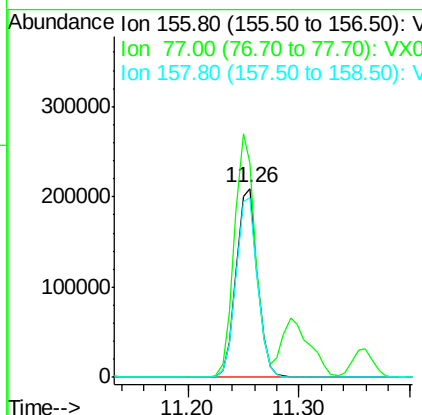
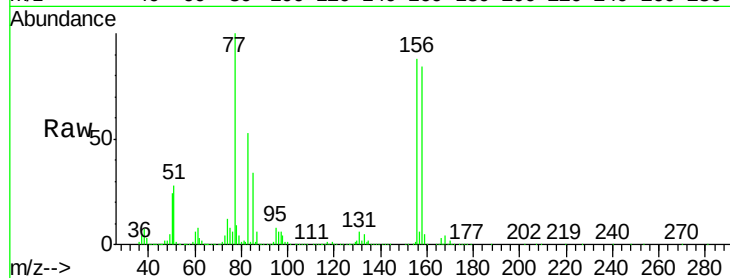
ClientSampleId :

ICVVX081519

Tot Ion:	156	Resp:	276542
Ion Ratio	Lower	Upper	
156	100		
77	127.0	64.6	193.9
158	96.6	48.4	145.3

Manual Integrations
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8/16/2019 8:29:44 AM



#78

n-propylbenzene

Concen: 52.452 ug/l

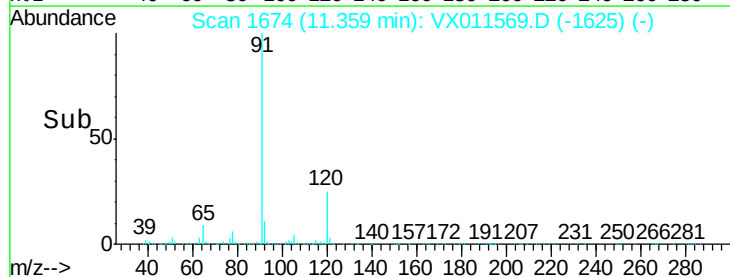
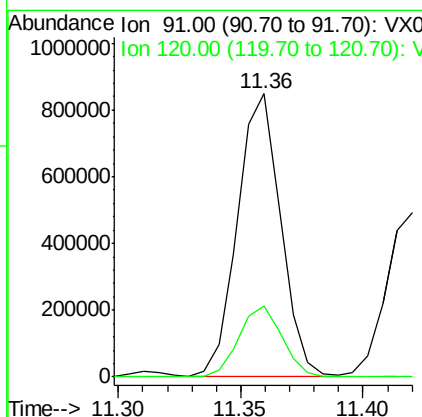
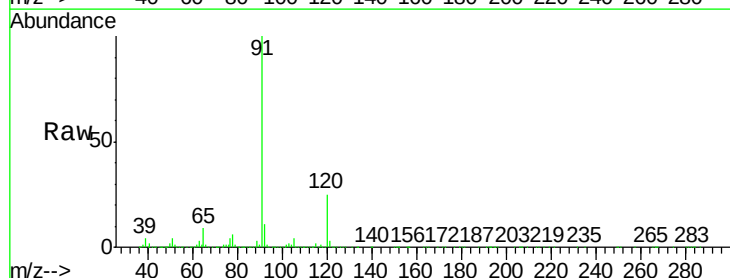
RT: 11.36 min Scan# 1674

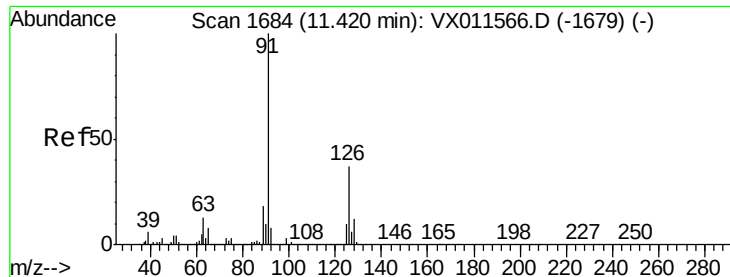
Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Tgt Ion:	91	Resp:	1035141
Ion Ratio	Lower	Upper	
91	100		
120	25.2	12.6	37.6





#79

2-Chlorotoluene

Concen: 51.248 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Instrument :

MSVOA_X

ClientSampleId :

ICVVX081519

Tot Ion: 91 Resp: 621037

Ion Ratio Lower Upper

91 100

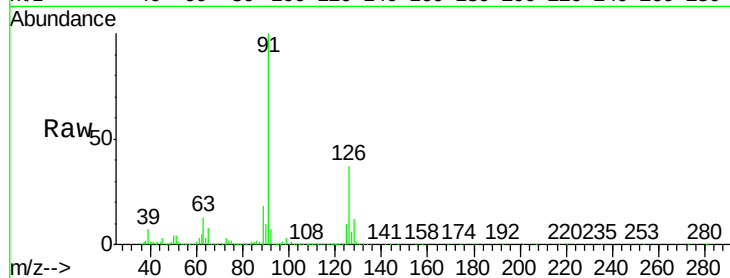
126 37.1 18.4 55.0

Manual Integrations

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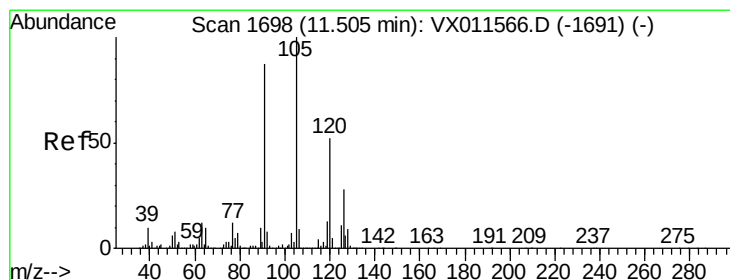
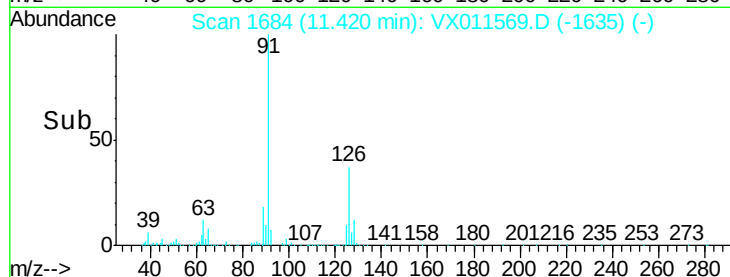
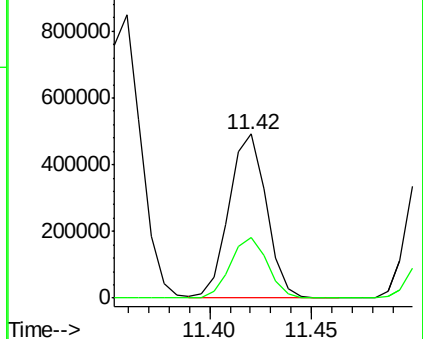
MMDadoda

8/16/2019 8:29:44 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.706 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011569.D

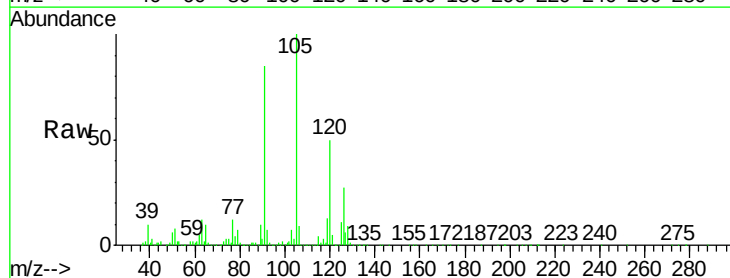
Acq: 15 Aug 2019 20:01

Tgt Ion: 105 Resp: 794952

Ion Ratio Lower Upper

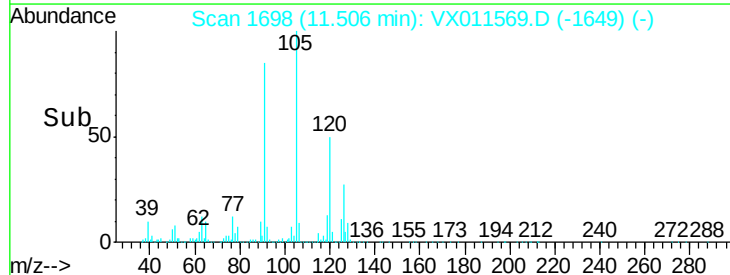
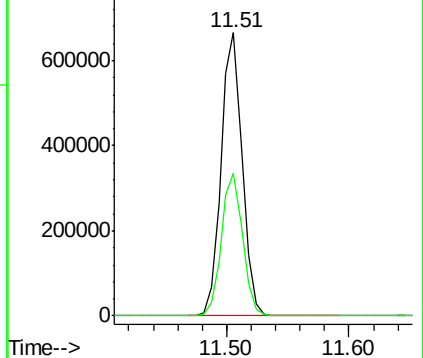
105 100

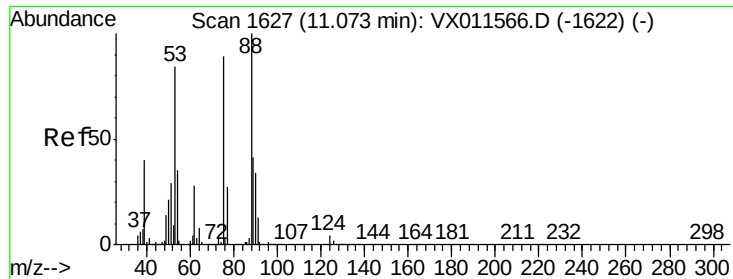
120 50.4 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





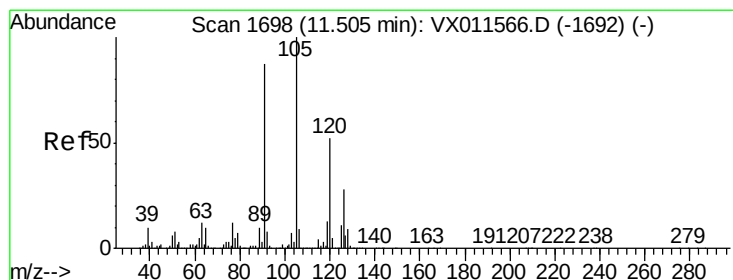
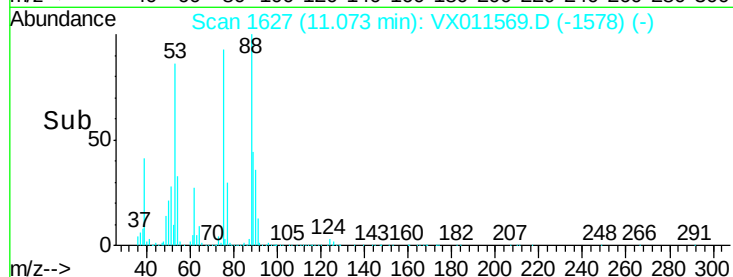
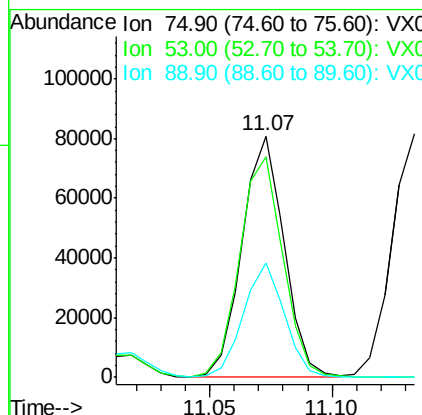
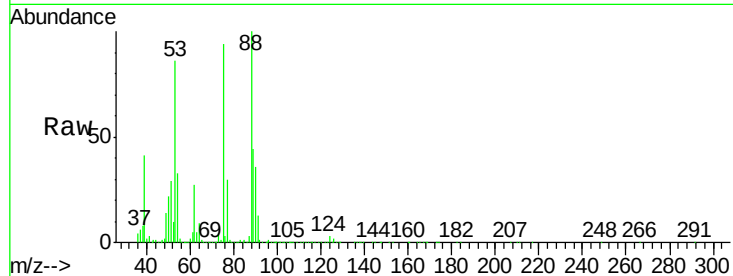
#81
trans-1,4-Dichloro-2-butene
Concen: 48.780 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011569.D
Acq: 15 Aug 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081519

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.4	77.4	116.0
89	46.9	37.3	55.9

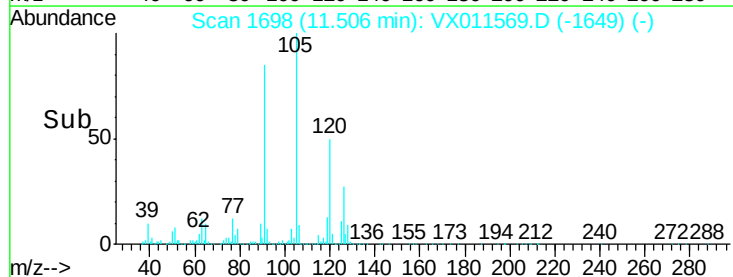
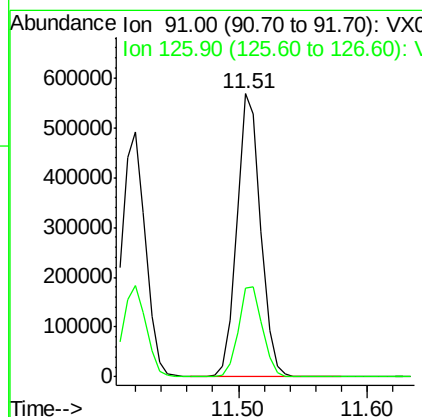
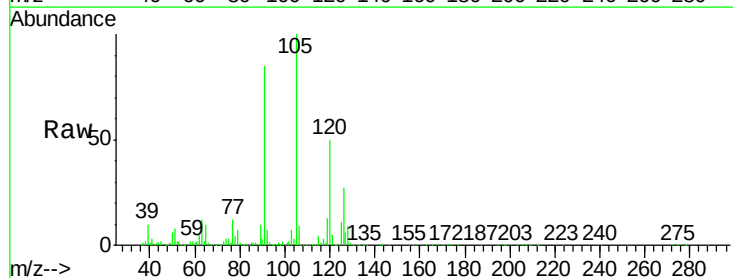
Manual Integrations
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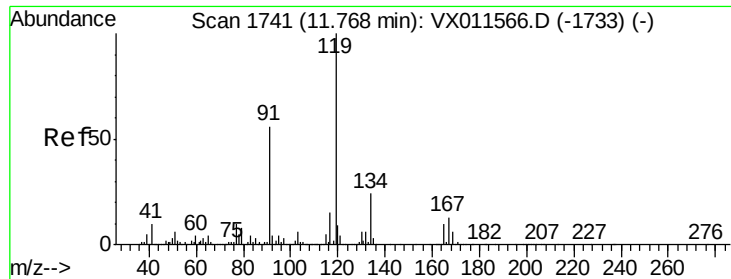
MMDadoda
8/16/2019 8:29:44 AM



#82
4-Chlorotoluene
Concen: 51.528 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011569.D
Acq: 15 Aug 2019 20:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.4	49.1





#83

tert-Butylbenzene

Concen: 51.782 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Instrument :

MSVOA_X

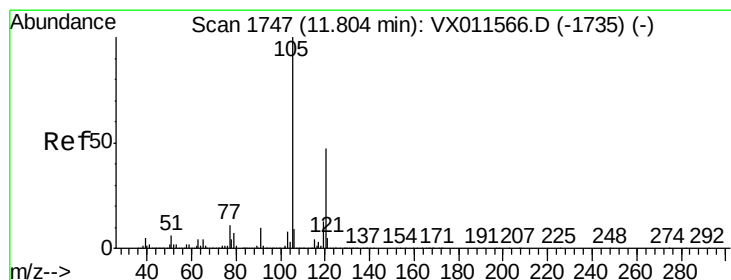
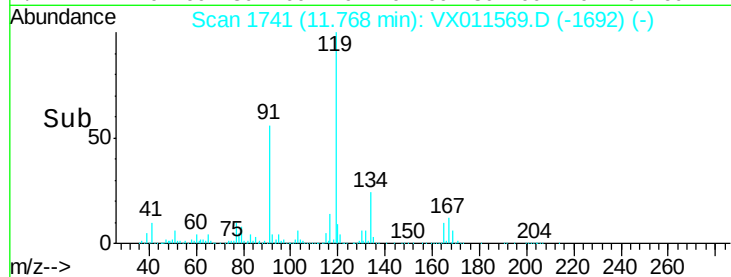
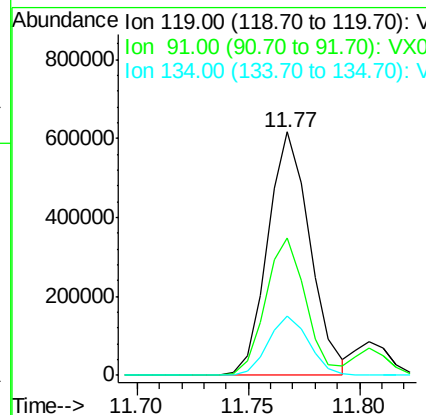
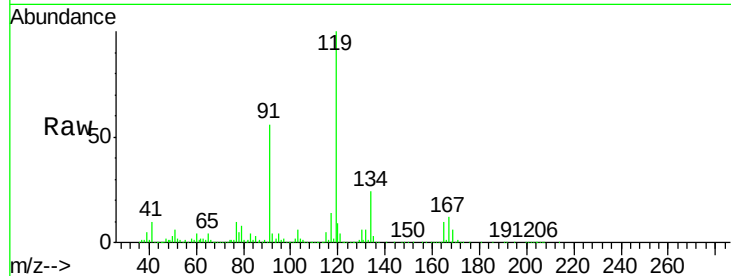
ClientSampleId :

ICVVX081519

Tot Ion:	119	Resp:	810829
Ion Ratio	Lower	Upper	
119	100		
91	54.1	27.1	81.3
134	23.6	11.8	35.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 52.502 ug/l

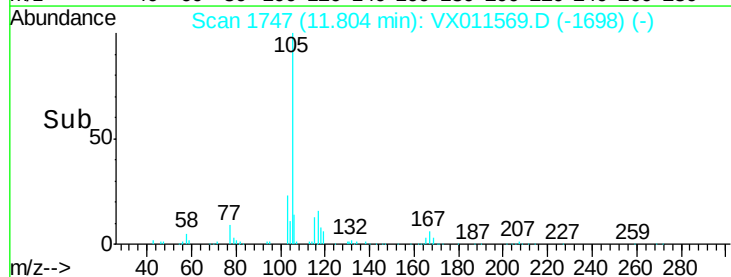
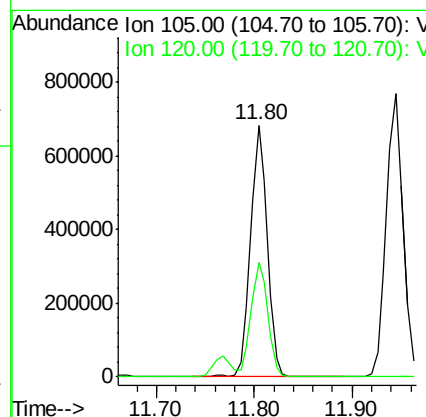
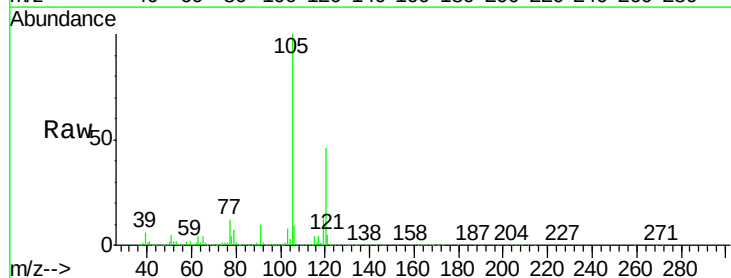
RT: 11.80 min Scan# 1747

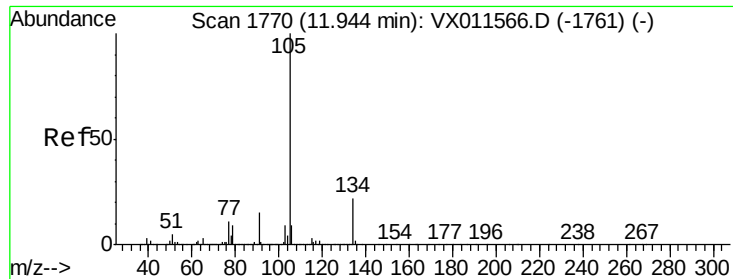
Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Tgt Ion:	105	Resp:	810347
Ion Ratio	Lower	Upper	
105	100		
120	46.2	23.3	69.9





#85

sec-Butylbenzene

Concen: 51.992 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Instrument :

MSVOA_X

ClientSampleId :

ICVVX081519

Tot Ion:105 Resp: 918513

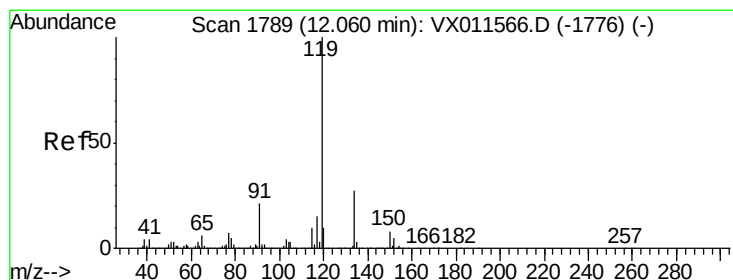
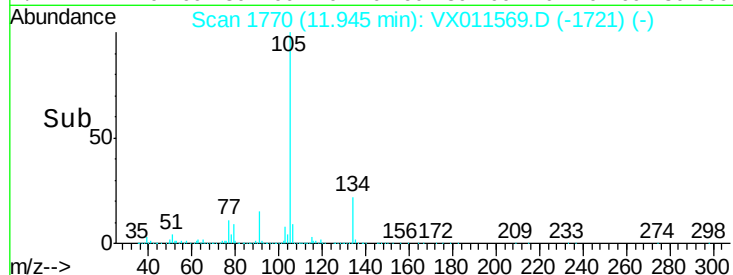
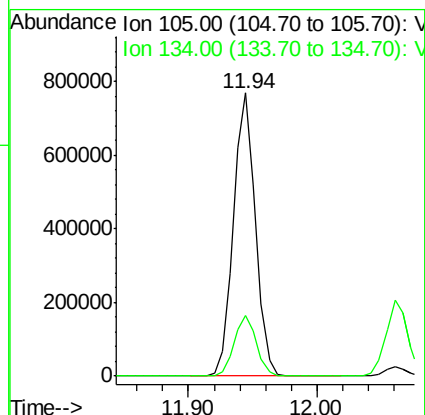
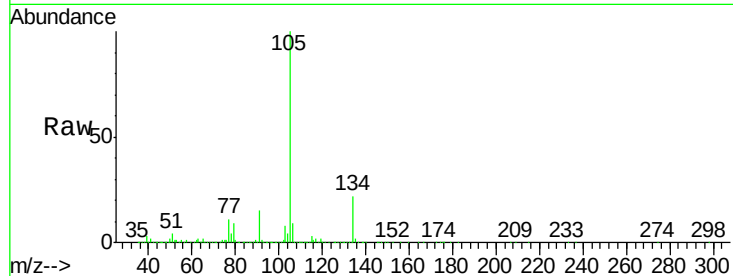
Ion Ratio Lower Upper

105 100

134 21.5 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 52.784 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

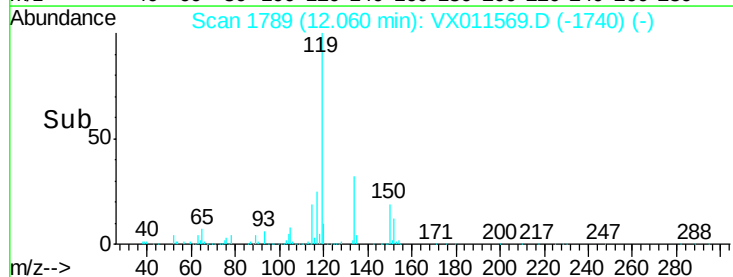
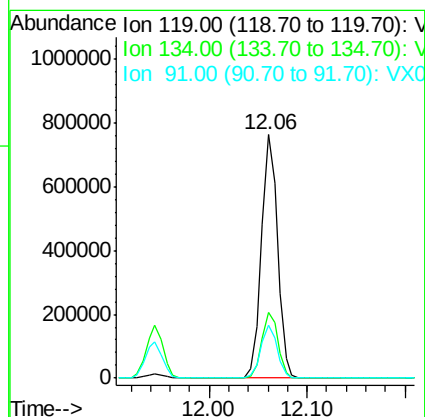
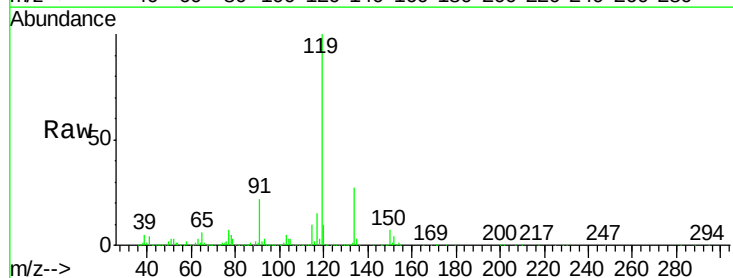
Tgt Ion:119 Resp: 877272

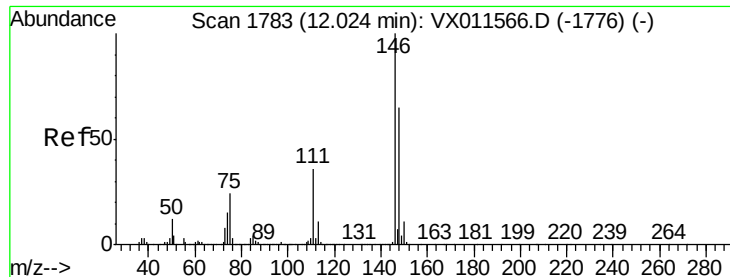
Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.8

91 21.8 10.9 32.9





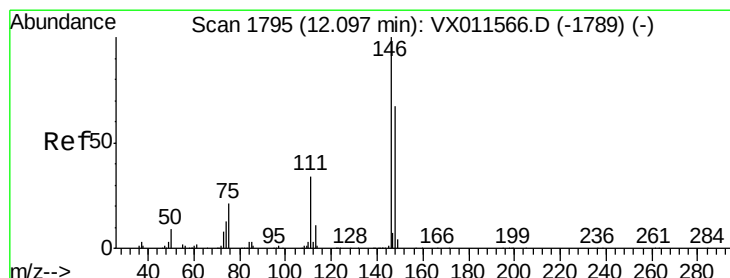
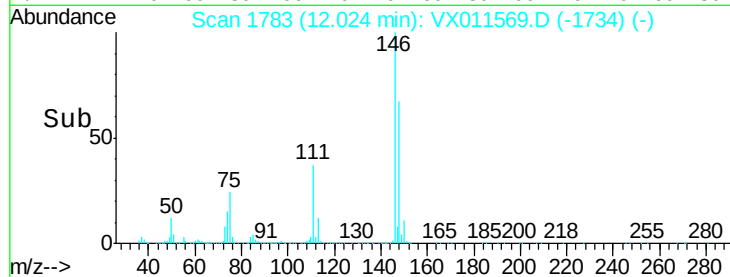
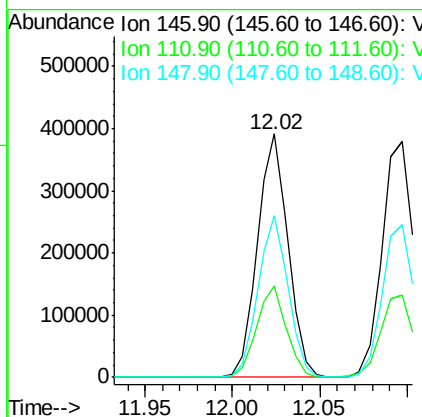
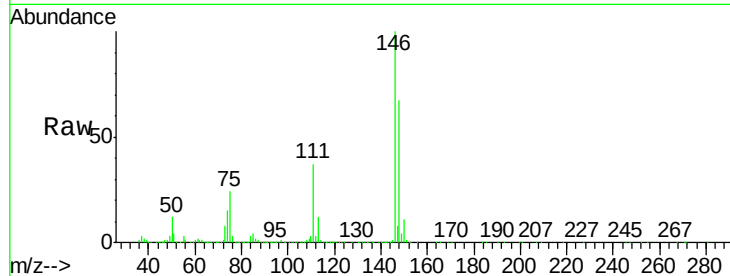
#87
 1,3-Dichlorobenzene
 Concen: 50.558 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011569.D
 Acq: 15 Aug 2019 20:01

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX081519

Tot Ion	Ratio	Resp	Lower	Upper
146	100	473192		
111	36.6	18.1	54.4	
148	65.4	32.0	96.0	

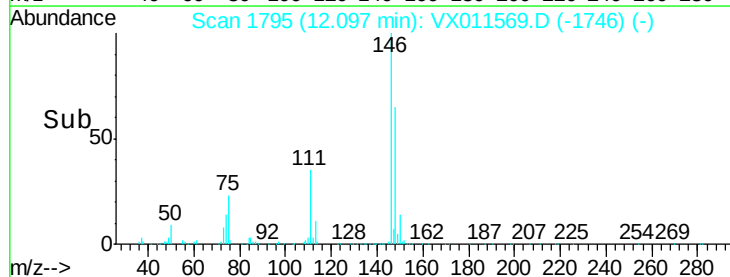
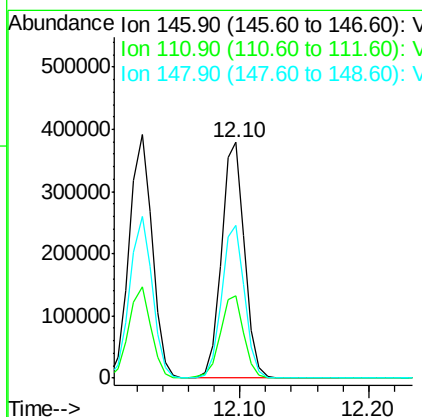
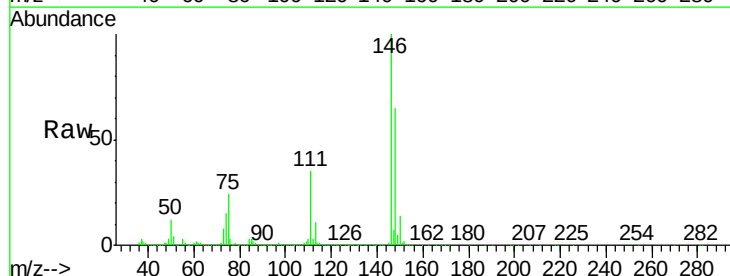
Manual Integrations
 APPROVED

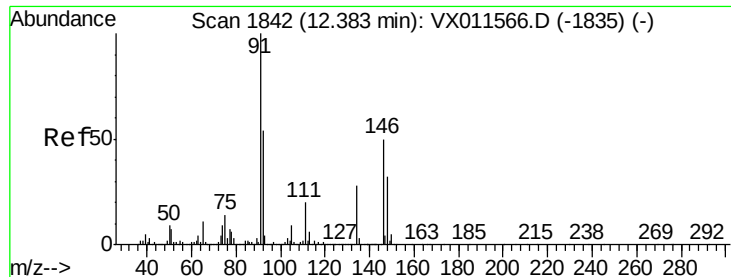
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#88
 1,4-Dichlorobenzene
 Concen: 50.310 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011569.D
 Acq: 15 Aug 2019 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	477247		
111	35.6	17.9	53.7	
148	64.5	32.5	97.5	





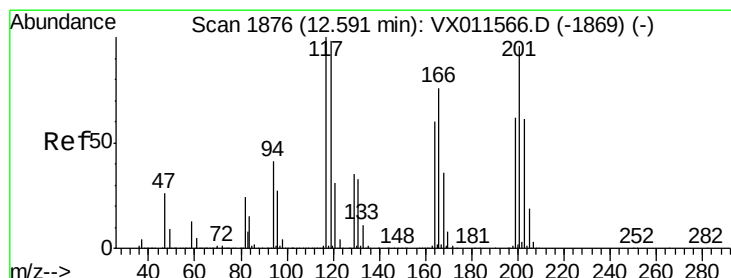
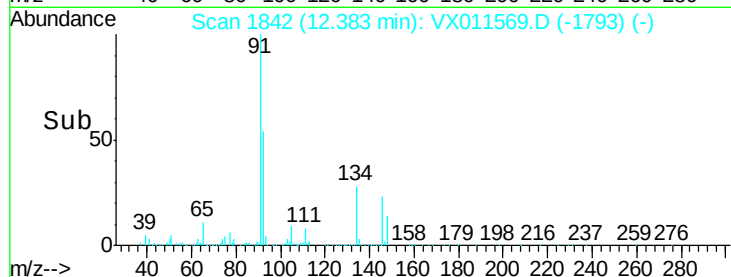
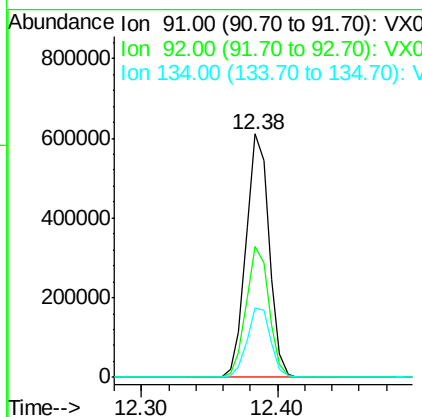
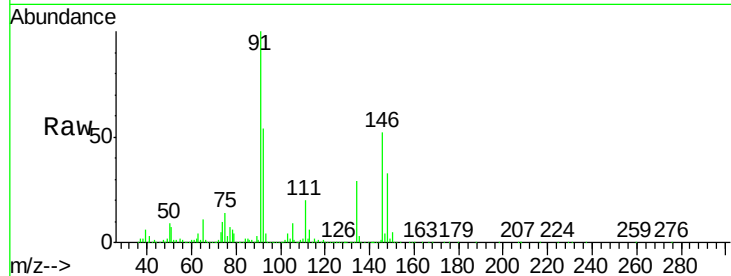
#89
n-Butylbenzene
Concen: 53.079 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011569.D
Acq: 15 Aug 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
ICVX081519

Tot Ion:	91	Resp:	725274
Ion Ratio	Lower	Upper	
91	100		
92	53.3	26.8	80.3
134	29.2	14.6	44.0

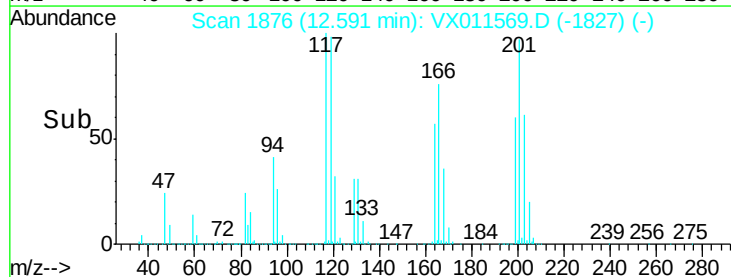
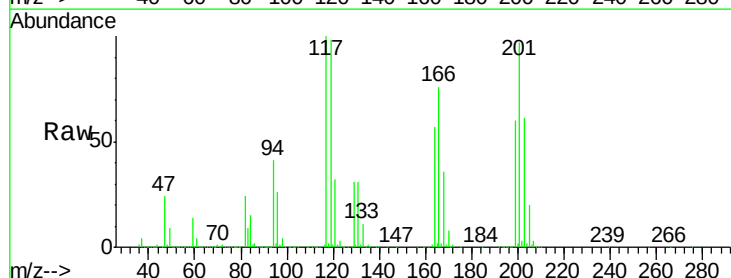
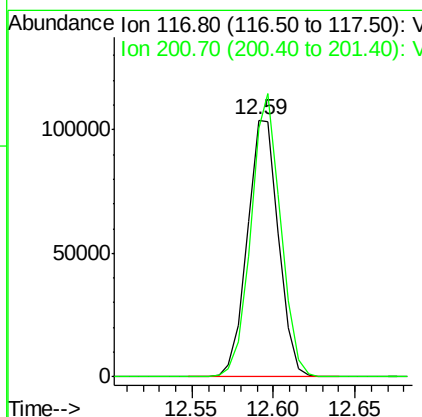
Manual Integrations
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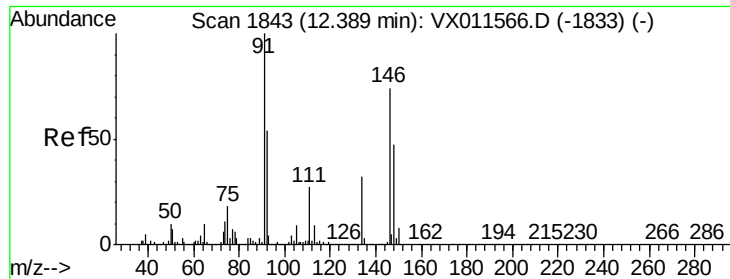
MMDadoda
8/16/2019 8:29:44 AM



#90
Hexachloroethane
Concen: 52.892 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011569.D
Acq: 15 Aug 2019 20:01

Tgt Ion:	117	Resp:	138819
Ion Ratio	Lower	Upper	
117	100		
201	104.3	51.9	155.7





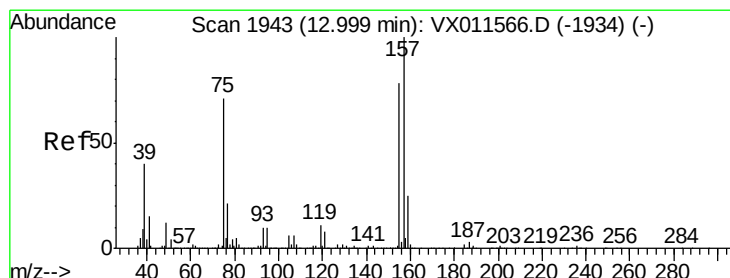
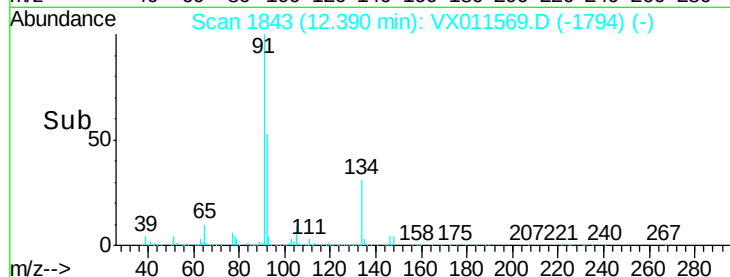
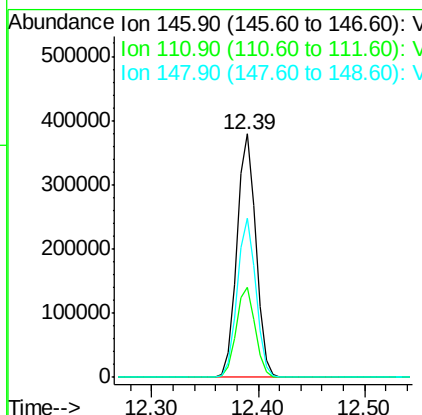
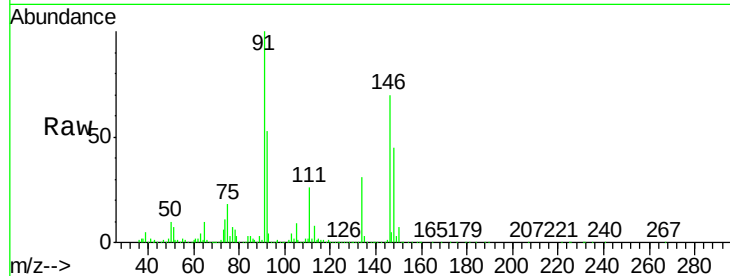
#91
 1,2-Dichlorobenzene
 Concen: 50.559 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011569.D
 Acq: 15 Aug 2019 20:01

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX081519

Tot Ion	Ratio	Resp	Lower	Upper
146	100	475021		
111	37.2	18.9	56.7	
148	64.4	31.9	95.9	

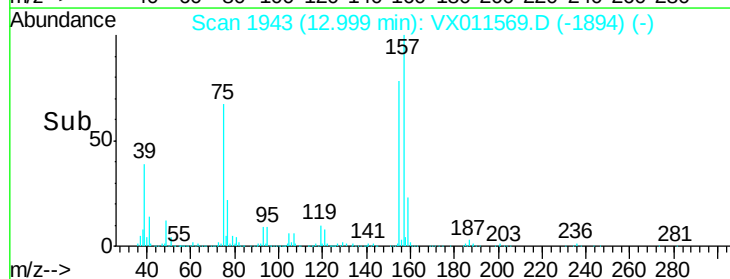
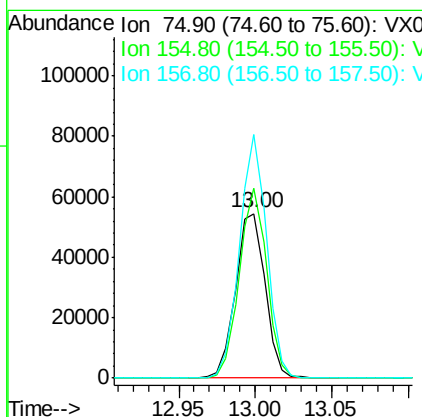
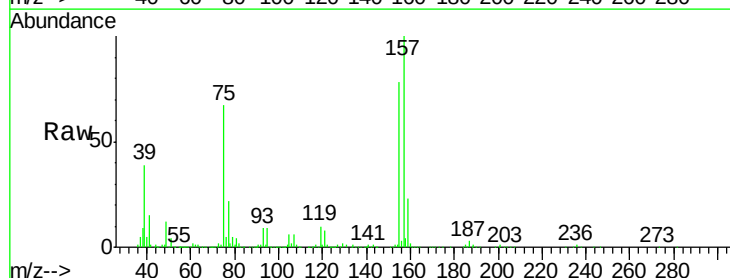
Manual Integrations
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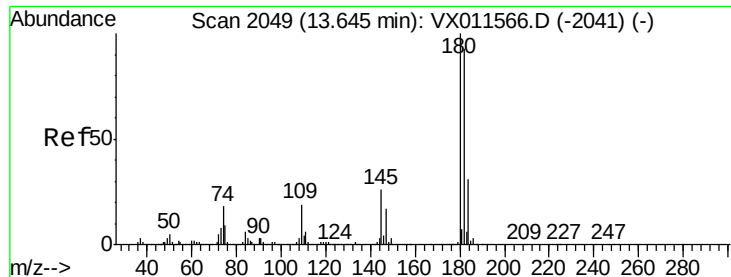
MMDadoda
 8/16/2019 8:29:44 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.299 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011569.D
 Acq: 15 Aug 2019 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	72450		
155	107.8	53.0	159.0	
157	136.6	68.3	205.1	





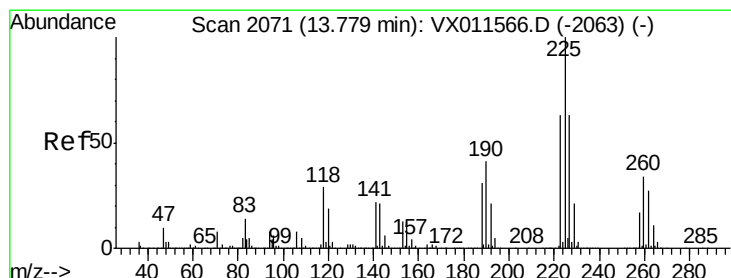
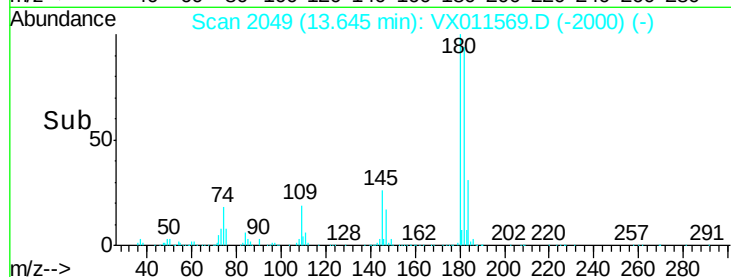
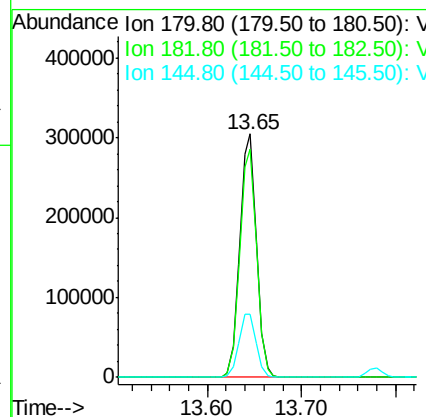
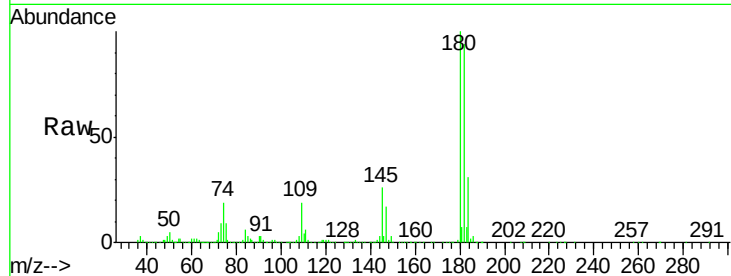
#93
 1,2,4-Trichlorobenzene
 Concen: 52.954 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011569.D
 Acq: 15 Aug 2019 20:01

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX081519

Tot Ion	Ratio	Resp	Lower	Upper
180	100	370701		
182	94.9	47.3	142.0	
145	27.1	13.6	40.8	

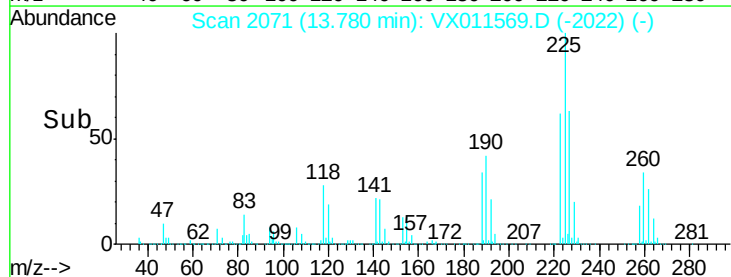
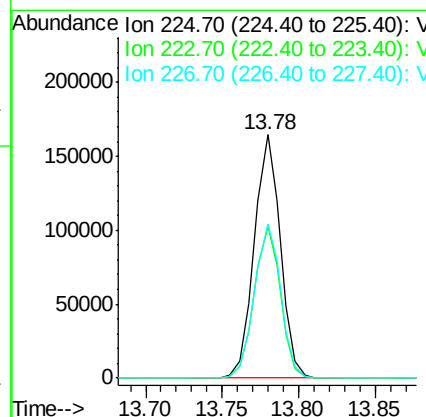
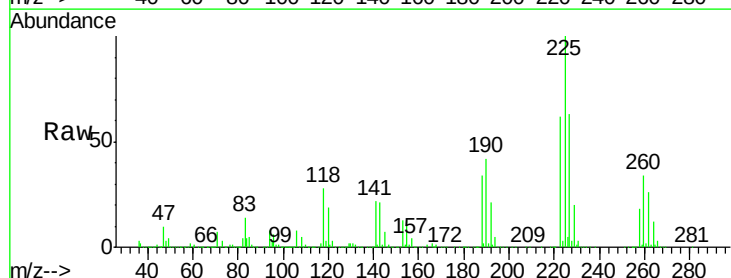
Manual Integrations
 APPROVED

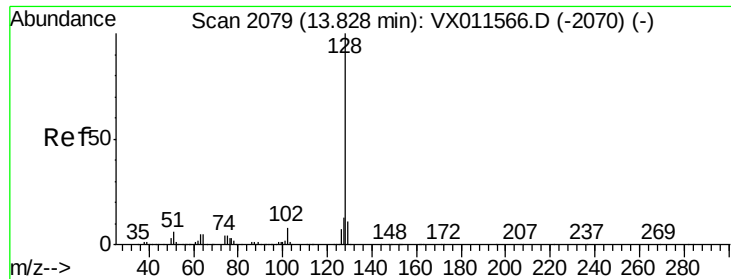
MMDadoda
 8/16/2019 8:29:44 AM



#94
 Hexachlorobutadiene
 Concen: 51.063 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011569.D
 Acq: 15 Aug 2019 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	194645		
223	62.4	31.4	94.0	
227	64.0	31.2	93.6	





#95

Naphthalene

Concen: 54.295 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

Instrument :

MSVOA_X

ClientSampleId :

ICVVX081519

Tot Ion:128 Resp: 1074533

Ion Ratio Lower Upper

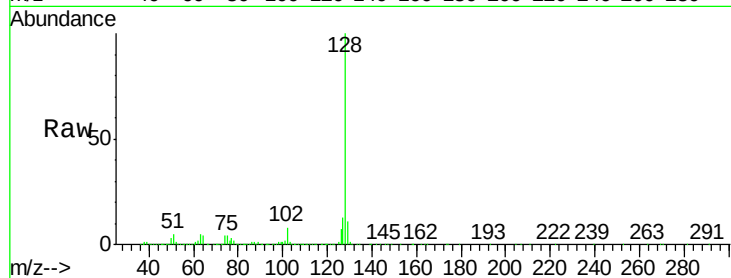
128 100

127 13.0 10.3 15.5

129 11.0 8.7 13.1

Manual Integrations
APPROVED

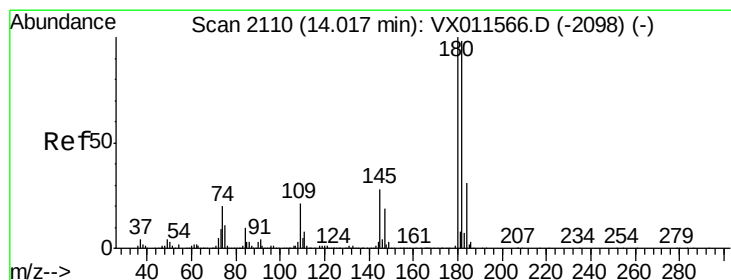
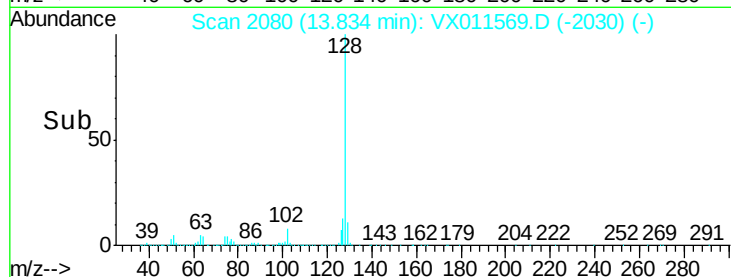
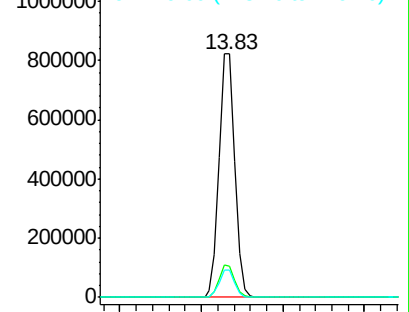
MMDadoda
8/16/2019 8:29:44 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.067 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011569.D

Acq: 15 Aug 2019 20:01

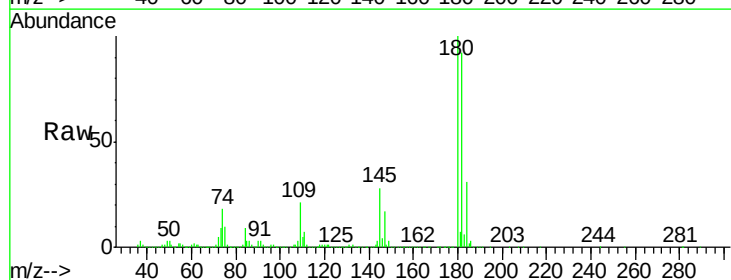
Tgt Ion:180 Resp: 374694

Ion Ratio Lower Upper

180 100

182 94.2 48.0 144.0

145 28.9 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

