

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091719\
 Data File : VX012432.D
 Acq On : 17 Sep 2019 13:33
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 11:22:19 AM

Quant Time: Sep 17 13:58:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:36:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	168338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	283415	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	260733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	129127	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	230773	72.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.52%	
35) Dibromofluoromethane	5.49	113	171273	68.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	136.36%	
50) Toluene-d8	8.71	98	631088	70.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.76%	
62) 4-Bromofluorobenzene	11.14	95	267981	71.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	114033	81.367	ug/l	99
3) Chloromethane	1.31	50	94045	77.409	ug/l	99
4) Vinyl Chloride	1.40	62	104197	77.786	ug/l	97
5) Bromomethane	1.62	94	35898	64.102	ug/l	96
6) Chloroethane	1.70	64	70227	78.892	ug/l	99
7) Trichlorofluoromethane	1.91	101	189867	77.588	ug/l	98
8) Diethyl Ether	2.18	74	79781	73.855	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.36	101	134470	76.237	ug/l	97
10) Methyl Iodide	2.50	142	119504	73.749	ug/l	98
11) Tert butyl alcohol	3.05	59	299570	365.001	ug/l	99
12) 1,1-Dichloroethene	2.36	96	108974	78.610	ug/l	97
13) Acrolein	2.28	56	102379	299.825	ug/l	99
14) Allyl chloride	2.72	41	258532	80.290	ug/l	100
15) Acrylonitrile	3.13	53	527690	385.094	ug/l	99
16) Acetone	2.44	43	544481	364.301	ug/l	99
17) Carbon Disulfide	2.55	76	150330	82.105	ug/l	98
18) Methyl Acetate	2.76	43	247285	75.268	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	573981	76.236	ug/l	99
20) Methylene Chloride	2.84	84	140805	70.125	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	113659	76.257	ug/l	97
22) Diisopropyl ether	3.84	45	577337	78.126	ug/l	98
23) Vinyl Acetate	3.80	43	2482942	407.309	ug/l	99
24) 1,1-Dichloroethane	3.69	63	282166	76.221	ug/l	98
25) 2-Butanone	4.66	43	809705	383.800	ug/l	98
26) 2,2-Dichloropropane	4.57	77	267843	75.819	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	164648	75.145	ug/l	99
28) Bromochloromethane	5.00	49	132360	70.063	ug/l	99
29) Tetrahydrofuran	5.12	42	480027	393.396	ug/l	99
30) Chloroform	5.20	83	306631	71.870	ug/l	99
31) Cyclohexane	5.57	56	172833	77.864	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	267883	75.809	ug/l	100
36) 1,1-Dichloropropene	5.79	75	174672	70.654	ug/l	98
37) Ethyl Acetate	4.82	43	282283	74.179	ug/l	100
38) Carbon Tetrachloride	5.77	117	220344	73.615	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	181366	76.746	ug/l	99
40) Benzene	6.13	78	560633	74.046	ug/l	98
41) Methacrylonitrile	5.03	41	170809	78.789	ug/l	99
42) 1,2-Dichloroethane	6.18	62	251492	72.733	ug/l	99
43) Isopropyl Acetate	6.43	43	488657	74.654	ug/l	100
44) Trichloroethene	7.21	130	147518	72.571	ug/l	98
45) 1,2-Dichloropropane	7.51	63	166827	71.625	ug/l	99
46) Dibromomethane	7.65	93	111094	71.828	ug/l	98
47) Bromodichloromethane	7.89	83	255797	74.268	ug/l	98
48) Methyl methacrylate	7.76	41	234329	80.634	ug/l	100
49) 1,4-Dioxane	7.73	88	110622	1491.947	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	1607604	379.652	ug/l	99
52) Toluene	8.78	92	366280	74.427	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	276870	77.470	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	281387	76.070	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	180393	69.261	ug/l	99
56) Ethyl methacrylate	9.17	69	305933	78.162	ug/l	99
57) 1,3-Dichloropropane	9.37	76	296984	72.038	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	785573	376.536	ug/l	99
59) 2-Hexanone	9.49	43	1260039	384.927	ug/l	99
60) Dibromochloromethane	9.58	129	204020	76.705	ug/l	100
61) 1,2-Dibromoethane	9.67	107	173803	72.775	ug/l	99
64) Tetrachloroethene	9.33	164	118957	72.917	ug/l	98
65) Chlorobenzene	10.14	112	430388	74.994	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	186115	76.502	ug/l	99
67) Ethyl Benzene	10.24	91	762233	77.599	ug/l	99
68) m/p-Xylenes	10.35	106	557145	153.954	ug/l	100
69) o-Xylene	10.70	106	285239	75.962	ug/l	100
70) Styrene	10.71	104	524816	80.651	ug/l	99
71) Bromoform	10.85	173	155816	83.492	ug/l	99
73) Isopropylbenzene	11.01	105	799440	91.088	ug/l	99
74) N-amyl acetate	10.89	43	461732	98.747	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	321402	91.403	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	302723m	92.717	ug/l	
77) Bromobenzene	11.25	156	197619	88.063	ug/l	98
78) n-propylbenzene	11.35	91	922103	93.036	ug/l	99
79) 2-Chlorotoluene	11.42	91	575290	90.575	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	703973	92.375	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	111410	96.395	ug/l	98
82) 4-Chlorotoluene	11.51	91	682216	92.242	ug/l	100
83) tert-Butylbenzene	11.77	119	743967	92.034	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	731609	94.630	ug/l	100
85) sec-Butylbenzene	11.94	105	848250	94.775	ug/l	99
86) p-Isopropyltoluene	12.06	119	780621	95.351	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	386169	91.620	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	387983	91.171	ug/l	99
89) n-Butylbenzene	12.38	91	713055	98.619	ug/l	99
90) Hexachloroethane	12.59	117	150908	95.516	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	389742	90.223	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	85719	92.110	ug/l	99

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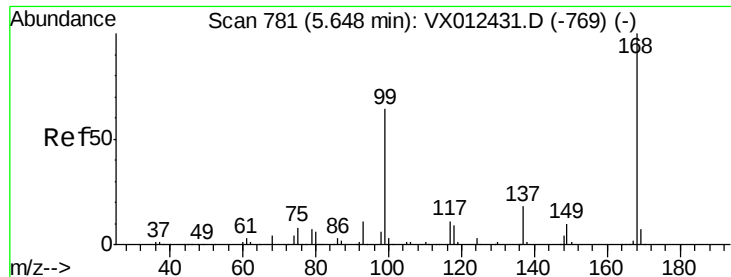
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	269004	93.343	ug/l	99
94) Hexachlorobutadiene	13.78	225	121829	88.420	ug/l	98
95) Naphthalene	13.83	128	952413	96.762	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	265686	92.627	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 168338

Ion Ratio Lower Upper

168 100

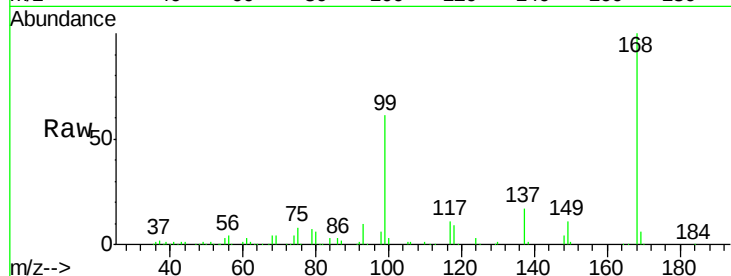
99 60.6 51.4 77.2

Manual Integrations

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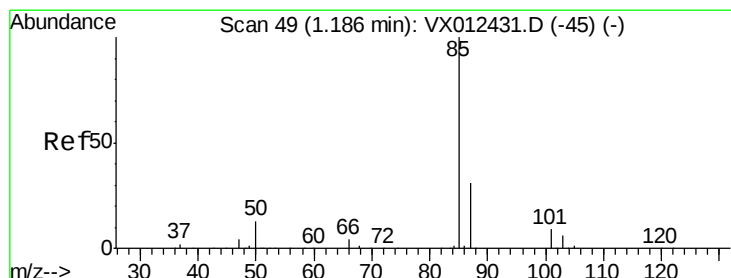
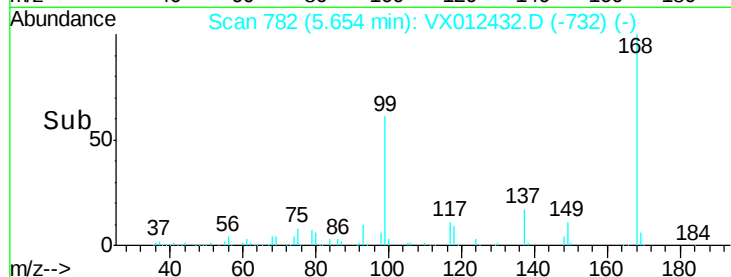
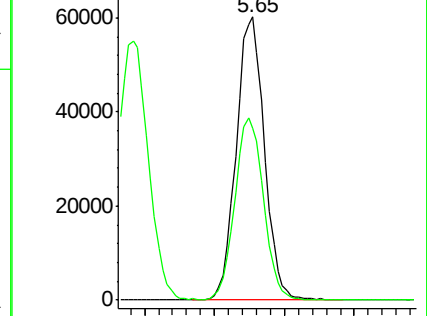
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 81.367 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012432.D

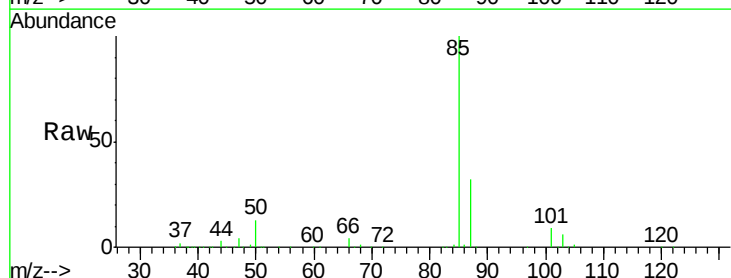
Acq: 17 Sep 2019 13:33

Tgt Ion: 85 Resp: 114033

Ion Ratio Lower Upper

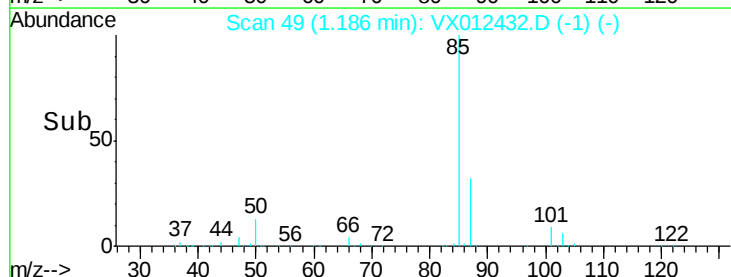
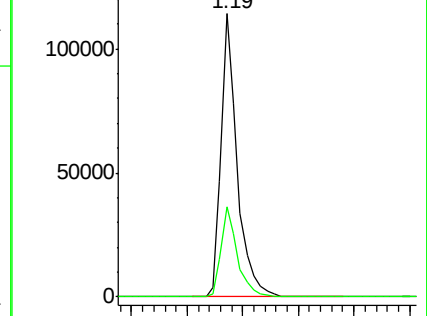
85 100

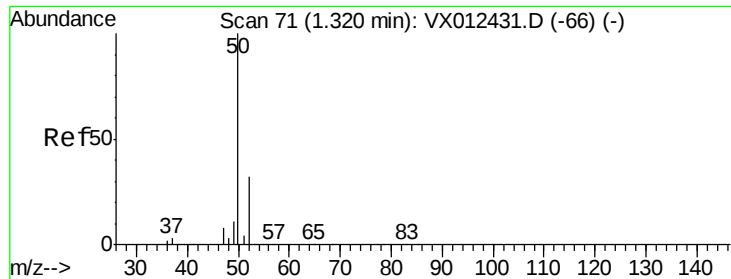
87 31.8 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 77.409 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 94045

Ion Ratio Lower Upper

50 100

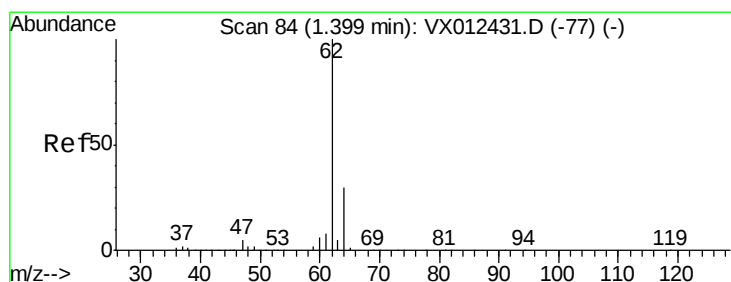
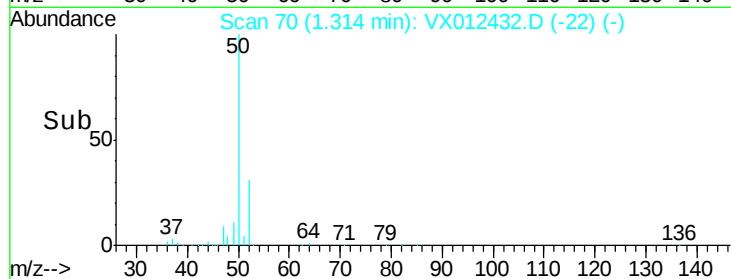
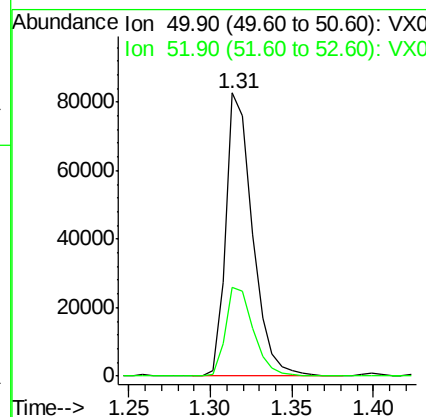
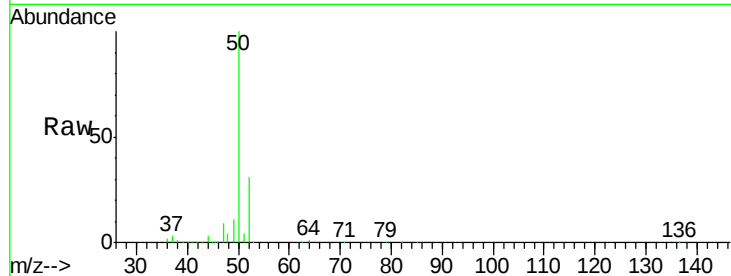
52 31.3 25.7 38.5

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#4

Vinyl Chloride

Concen: 77.786 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012432.D

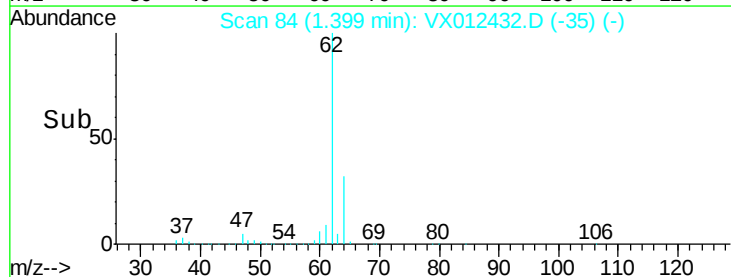
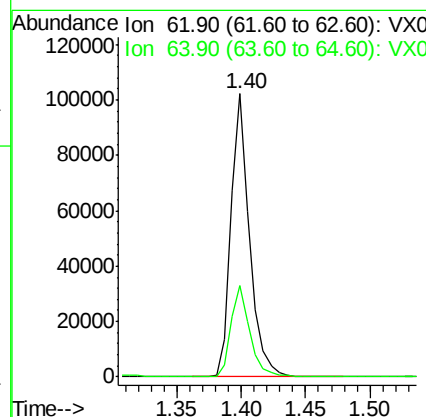
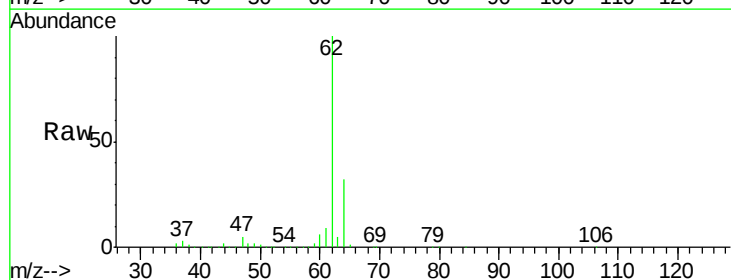
Acq: 17 Sep 2019 13:33

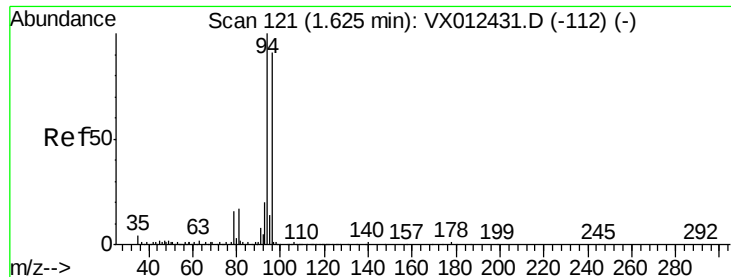
Tgt Ion: 62 Resp: 104197

Ion Ratio Lower Upper

62 100

64 32.1 24.2 36.2





#5

Bromomethane

Concen: 64.102 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 35898

Ion Ratio Lower Upper

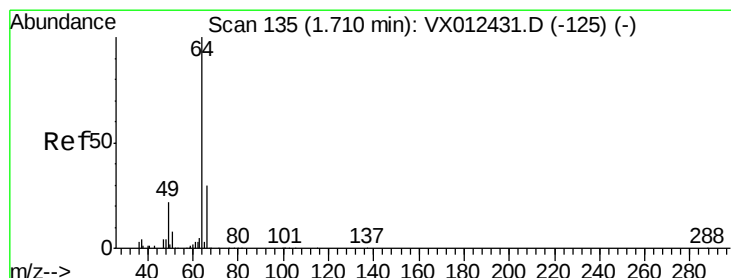
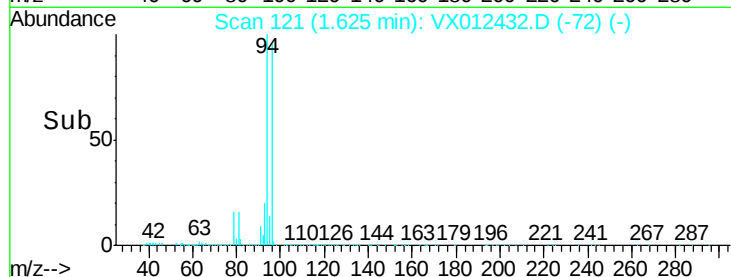
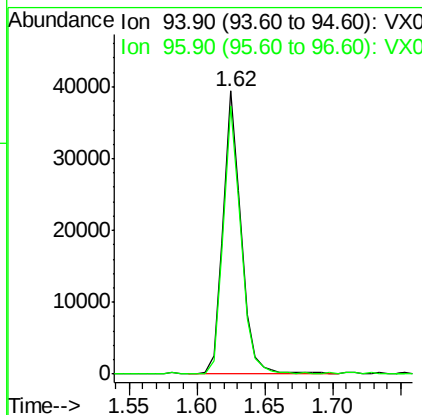
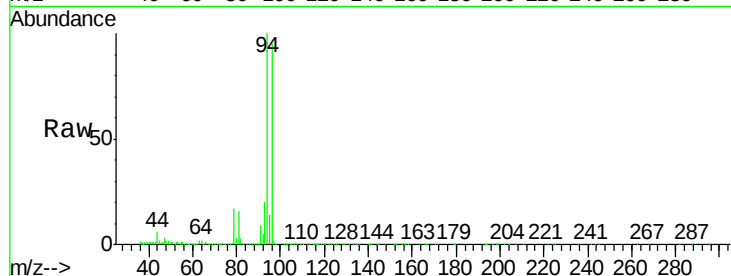
94 100

96 94.7 72.8 109.2

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#6

Chloroethane

Concen: 78.892 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX012432.D

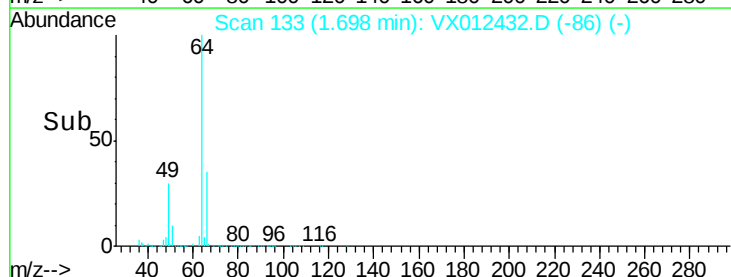
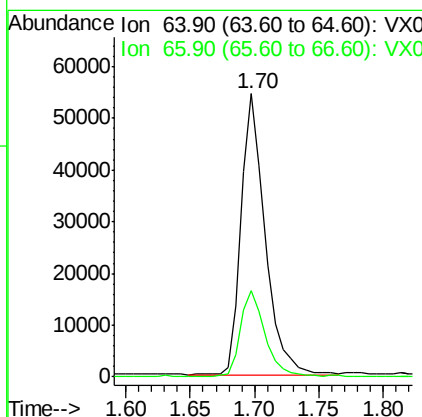
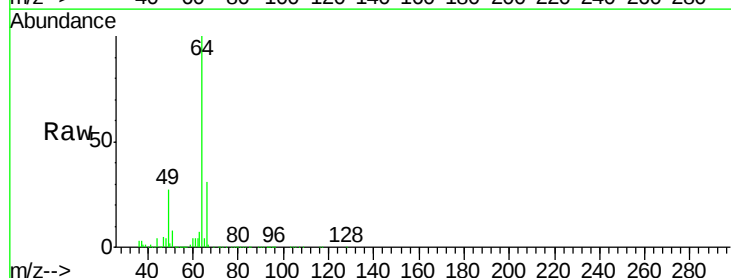
Acq: 17 Sep 2019 13:33

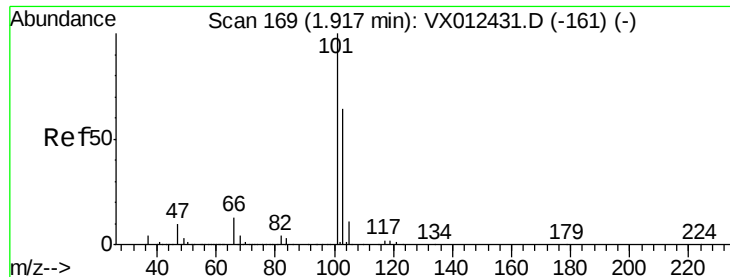
Tgt Ion: 64 Resp: 70227

Ion Ratio Lower Upper

64 100

66 30.5 24.0 36.0





#7

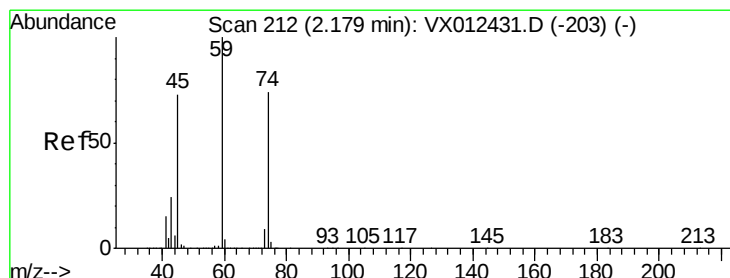
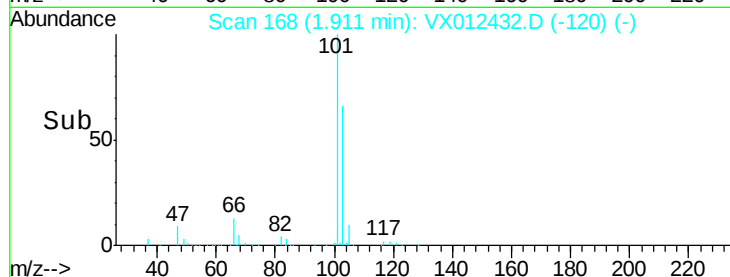
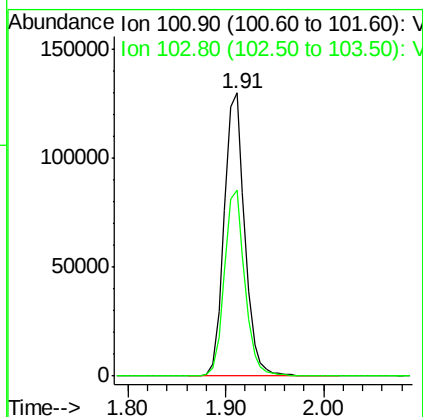
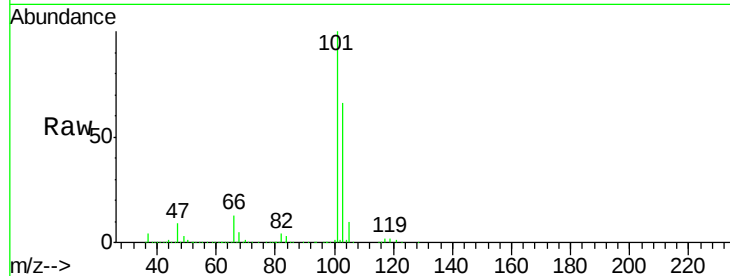
Trichlorofluoromethane
 Concen: 77.588 ug/l
 RT: 1.91 min Scan# 168
 Delta R.T. -0.01 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument :
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 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		189867		
103	65.6	51.0	76.4		

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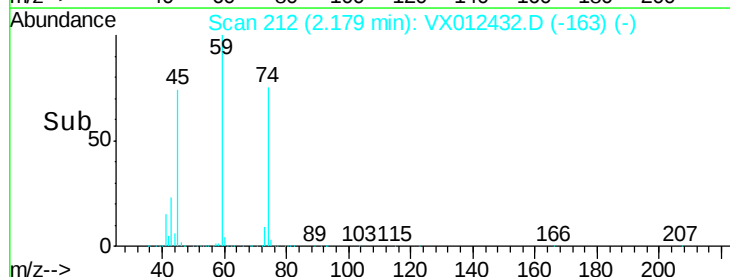
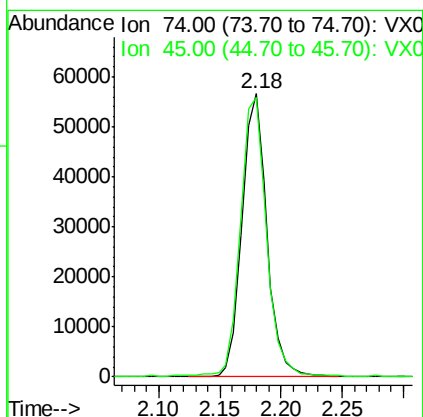
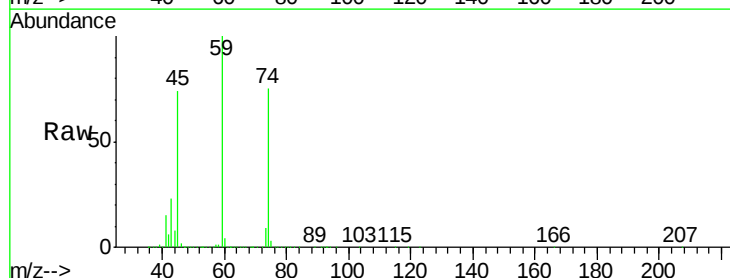
MMDadoda
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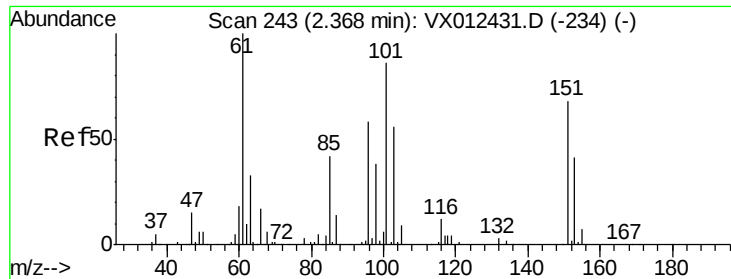


#8

Diethyl Ether
 Concen: 73.855 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		79781		
45	102.7	49.9	149.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 76.237 ug/l

RT: 2.36 min Scan# 242

Delta R.T. -0.01 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Instrument :

MSVOA_X

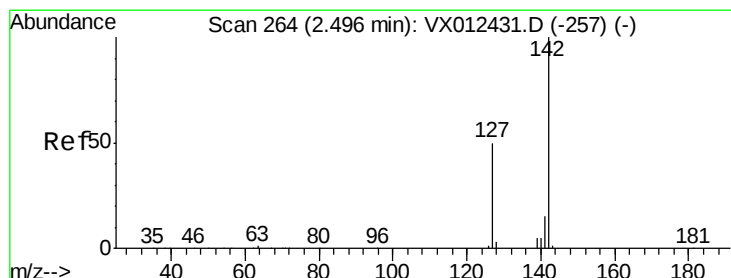
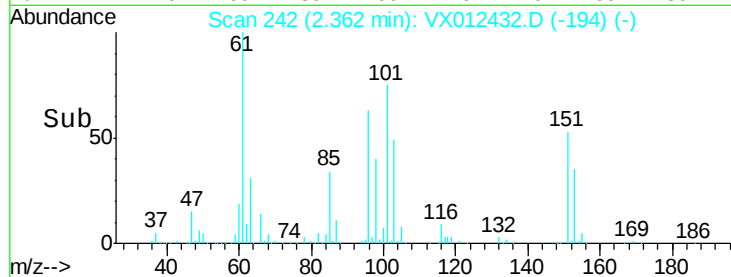
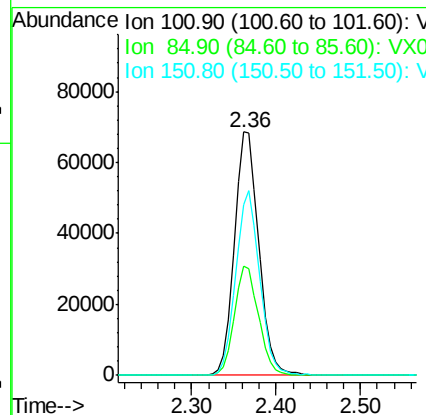
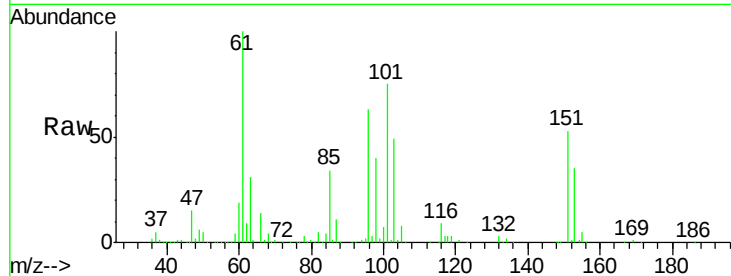
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	134470
Ion Ratio	Lower	Upper	
101	100		
85	44.8	37.3	55.9
151	74.1	61.0	91.4

Manual Integrations
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#10

Methyl Iodide

Concen: 73.749 ug/l

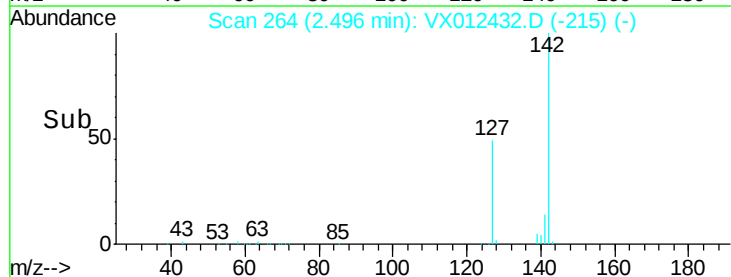
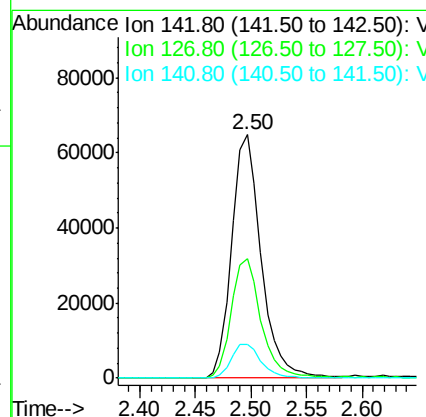
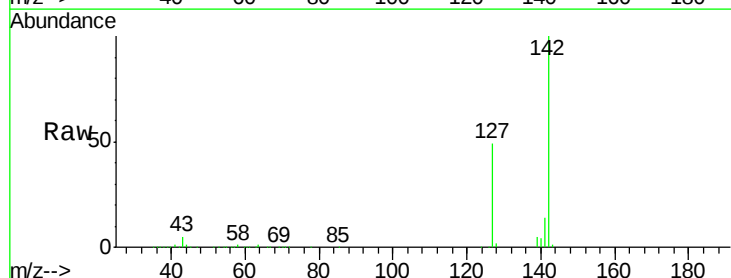
RT: 2.50 min Scan# 264

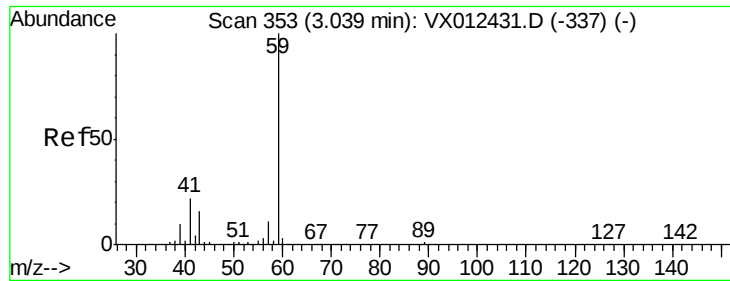
Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Tgt Ion:	142	Resp:	119504
Ion Ratio	Lower	Upper	
142	100		
127	49.7	40.8	61.2
141	14.5	12.1	18.1





#11

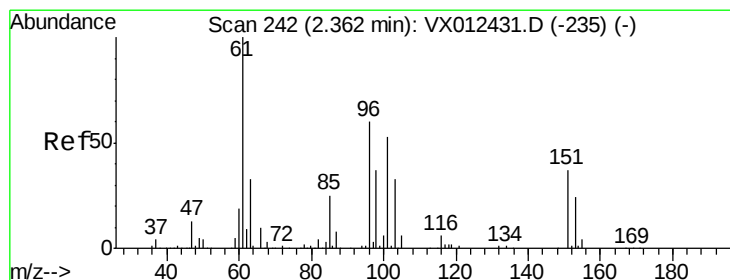
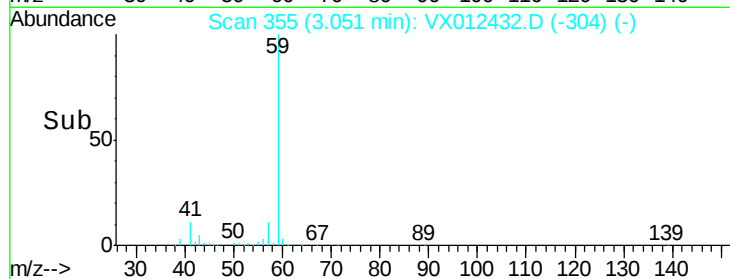
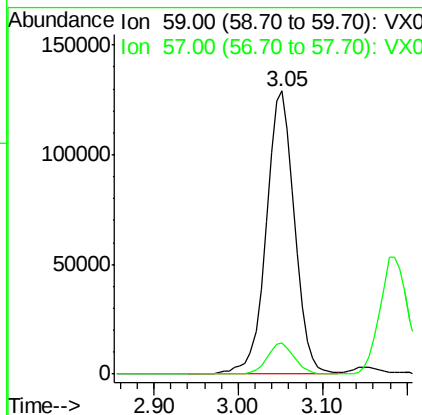
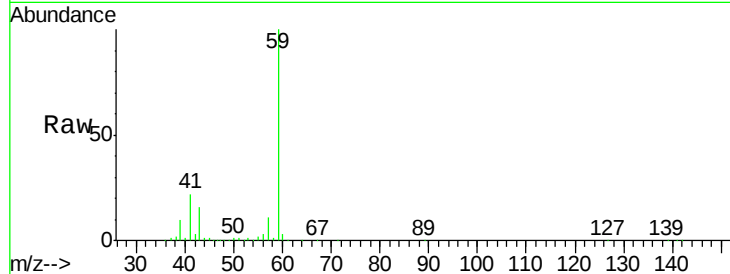
Tert butyl alcohol
 Concen: 365.001 ug/l
 RT: 3.05 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.3	12.5

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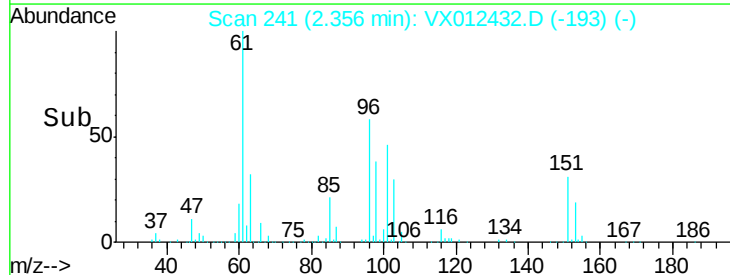
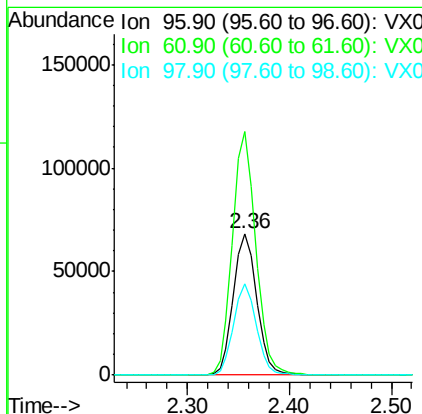
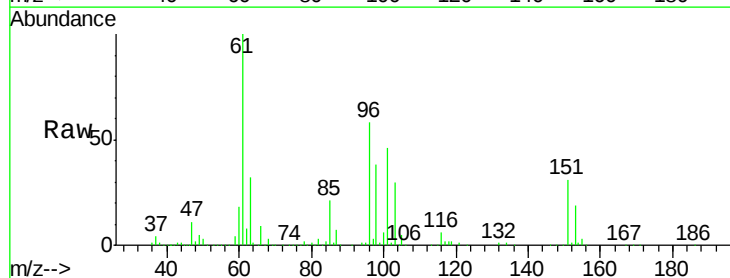
MMDadoda
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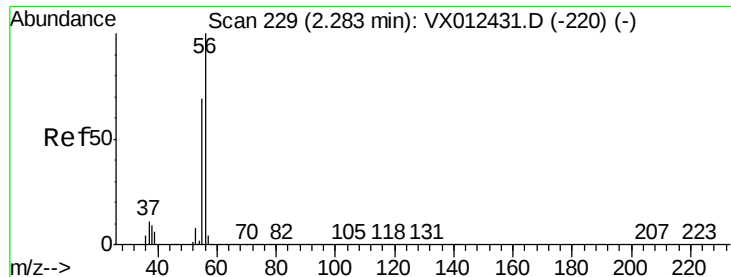


#12

1,1-Dichloroethene
 Concen: 78.610 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.9	133.8	200.6
98	64.6	49.9	74.9





#13

Acrolein

Concen: 299.825 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 102379

Ion Ratio Lower Upper

56 100

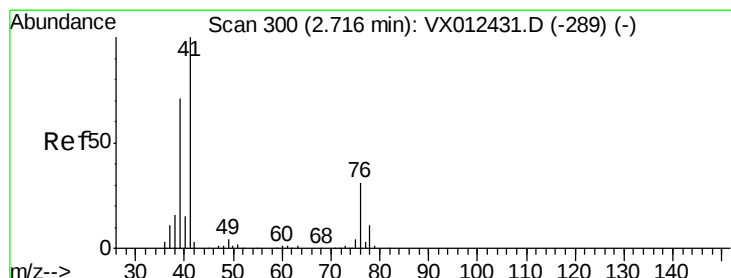
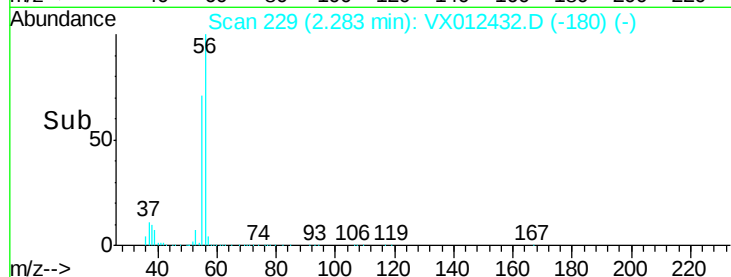
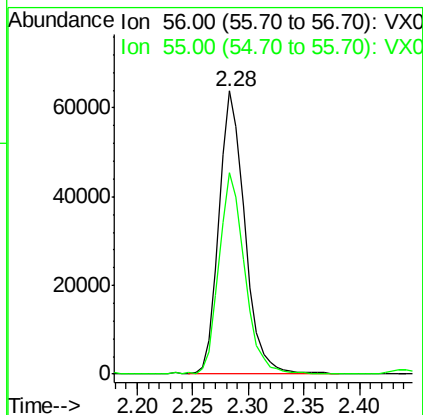
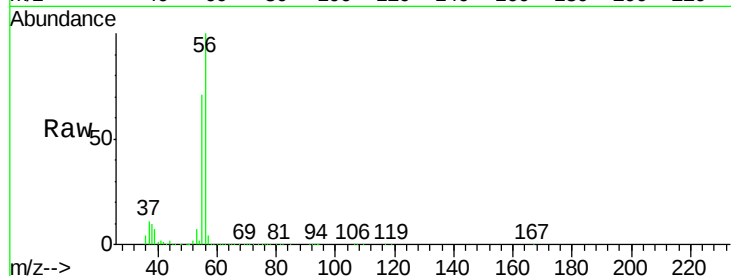
55 70.3 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 80.290 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

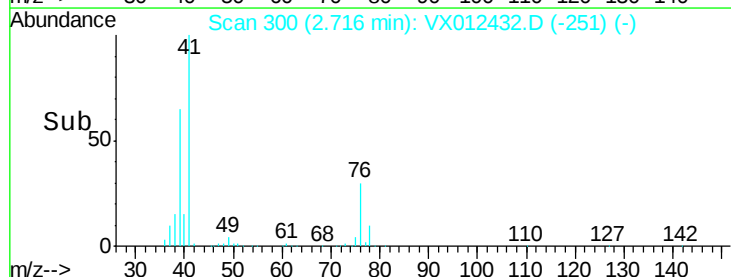
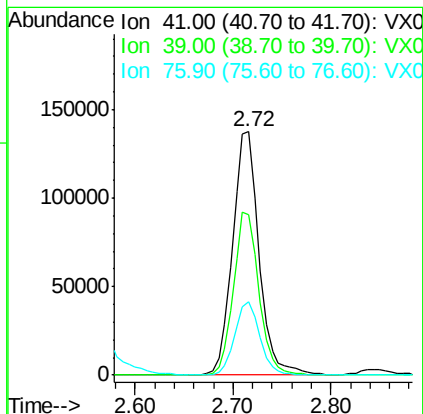
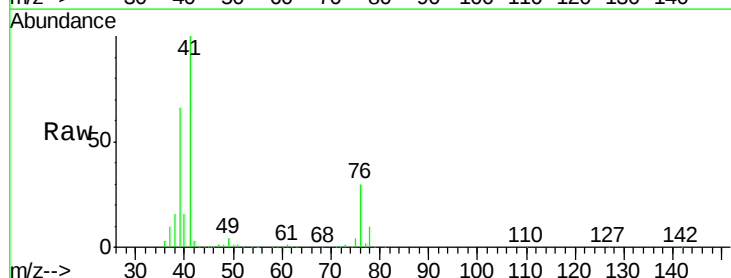
Tgt Ion: 41 Resp: 258532

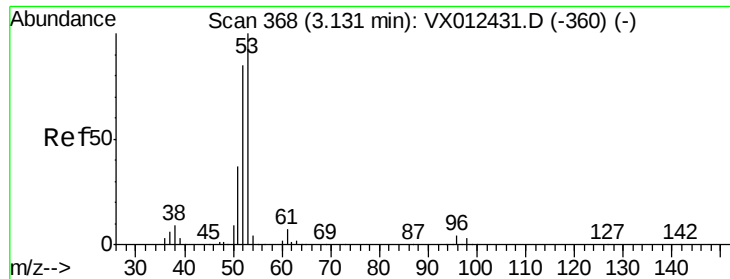
Ion Ratio Lower Upper

41 100

39 63.9 51.3 76.9

76 28.7 22.6 33.8





#15

Acrylonitrile

Concen: 385.094 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Instrument :

MSVOA_X

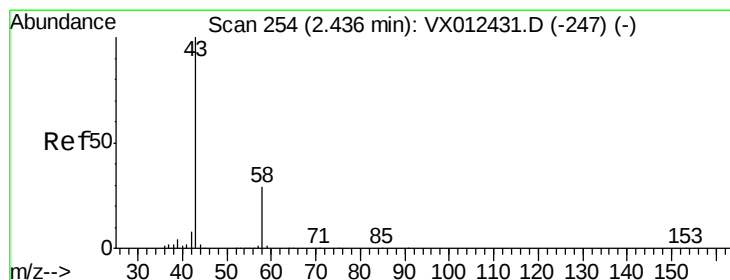
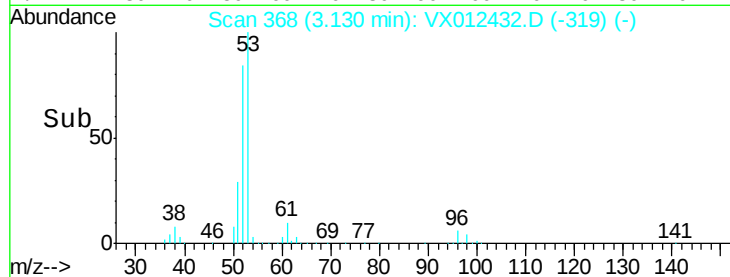
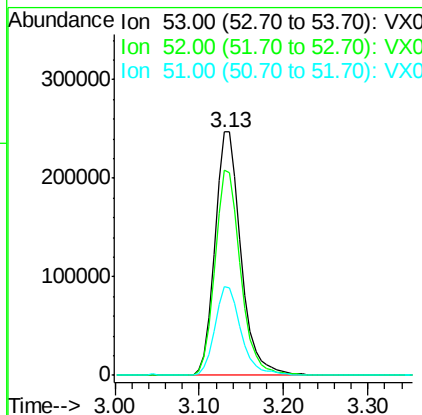
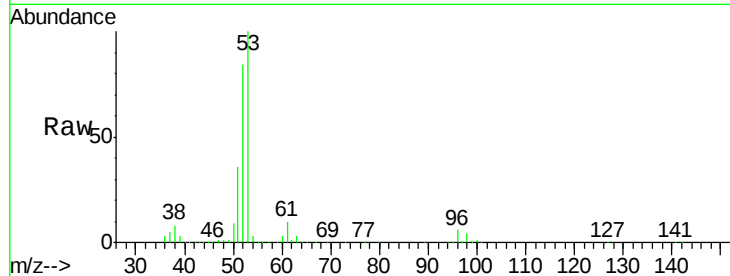
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	527690
Ion Ratio	Lower	Upper	
53	100		
52	83.1	67.0	100.4
51	36.7	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 364.301 ug/l

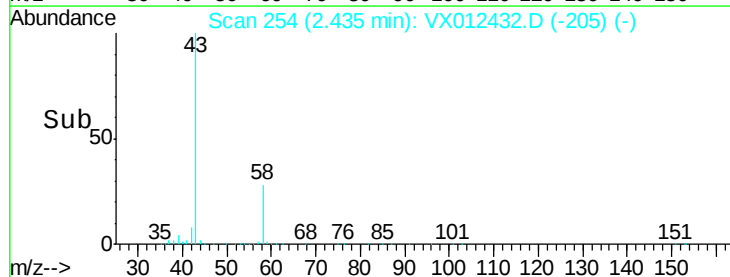
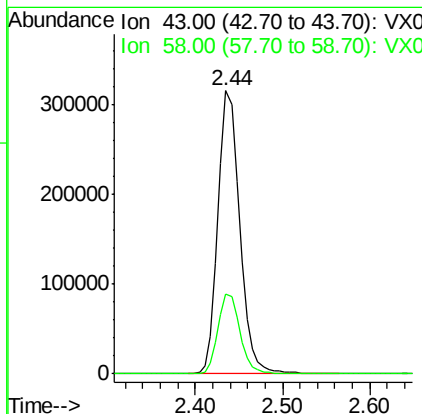
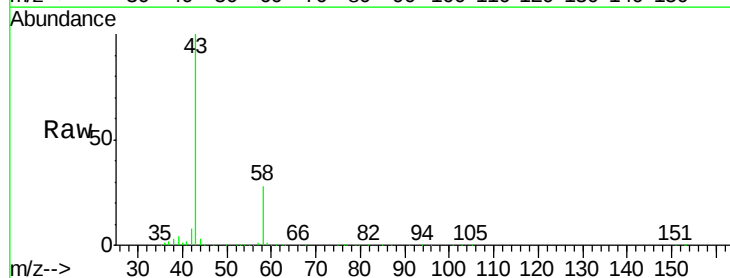
RT: 2.44 min Scan# 254

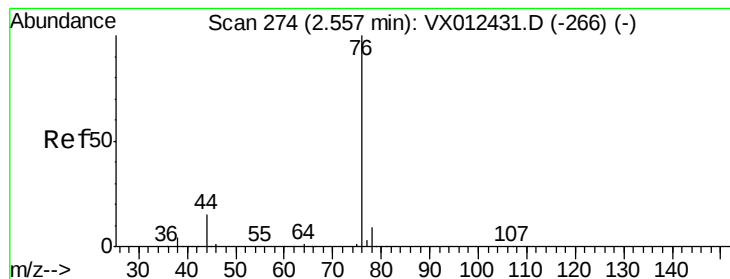
Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Tgt Ion:	43	Resp:	544481
Ion Ratio	Lower	Upper	
43	100		
58	28.4	23.3	34.9





#17

Carbon Disulfide

Concen: 82.105 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Tot Ion: 76 Resp: 150330

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9

Instrument :

MSVOA_X

ClientSampleId :

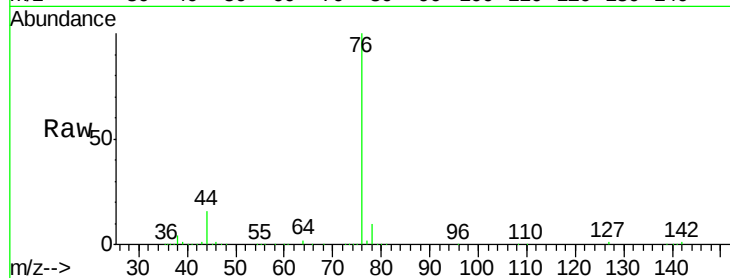
VSTDICC100

Manual Integrations

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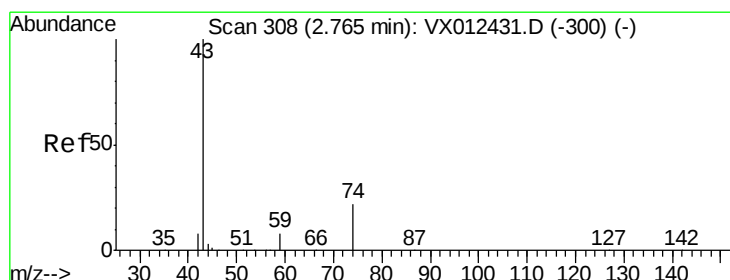
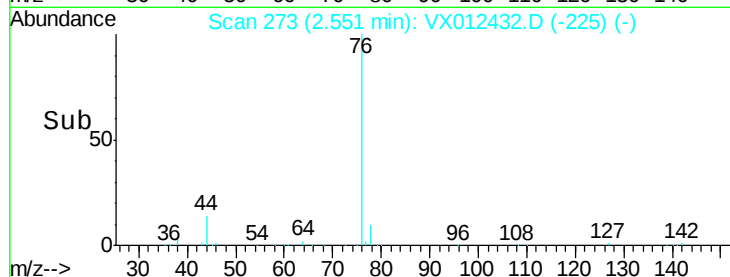
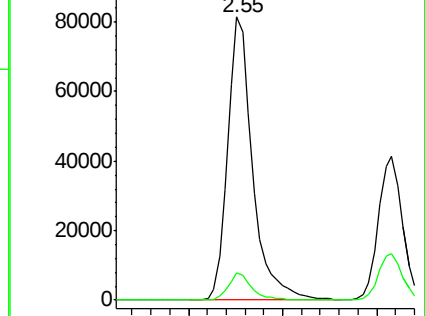
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 75.268 ug/l

RT: 2.76 min Scan# 308

Delta R.T. -0.00 min

Lab File: VX012432.D

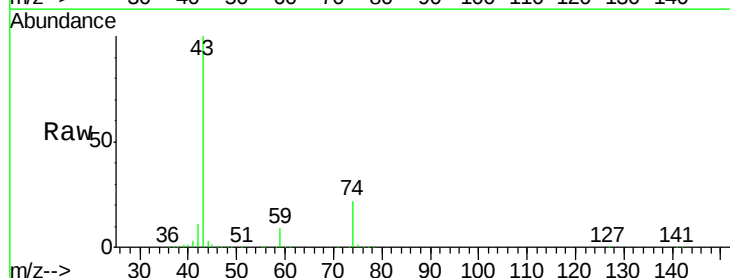
Acq: 17 Sep 2019 13:33

Tgt Ion: 43 Resp: 247285

Ion Ratio Lower Upper

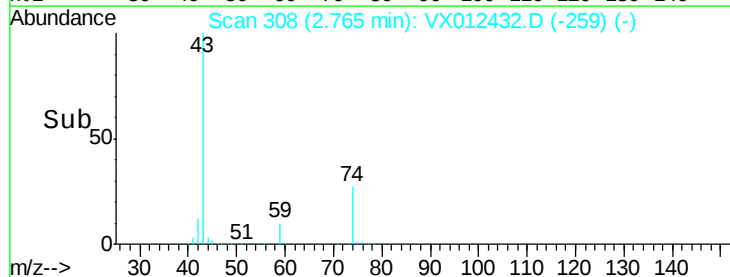
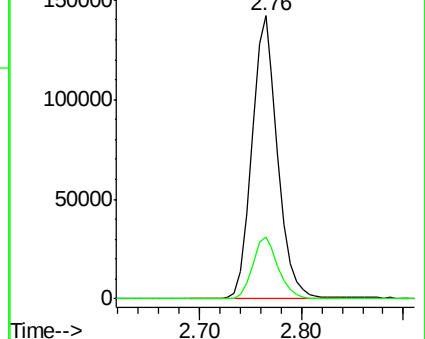
43 100

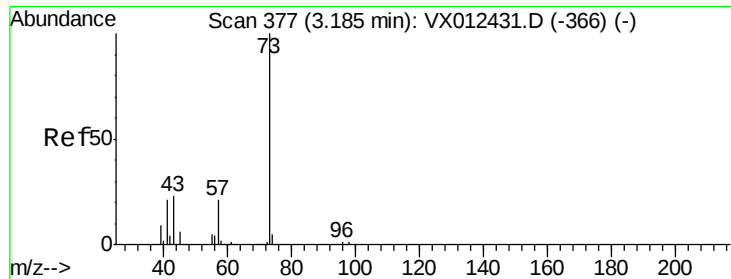
74 21.7 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





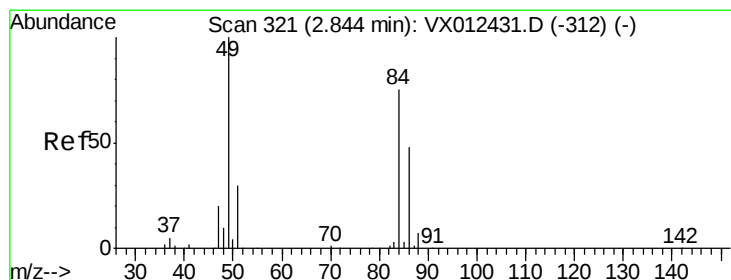
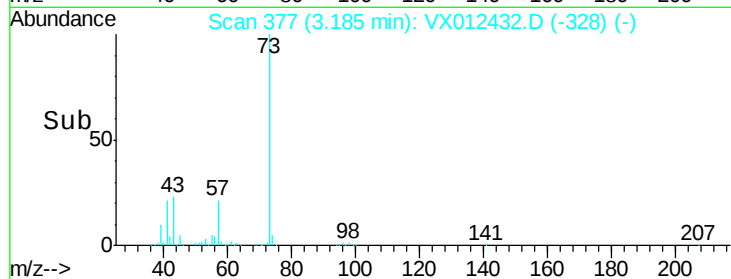
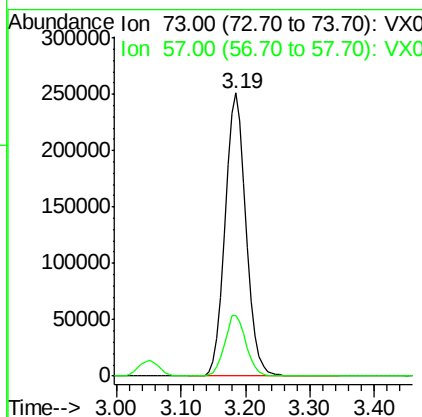
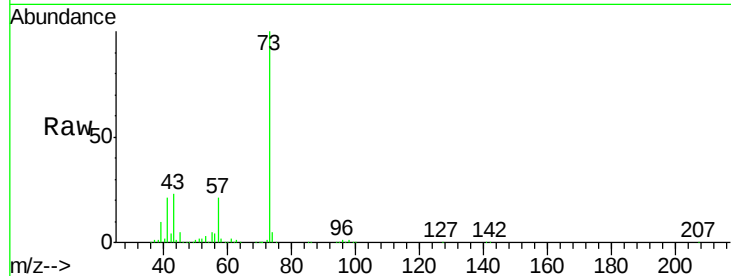
#19
Methvl tert-butvl Ether
Concen: 76.236 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	16.8	25.2

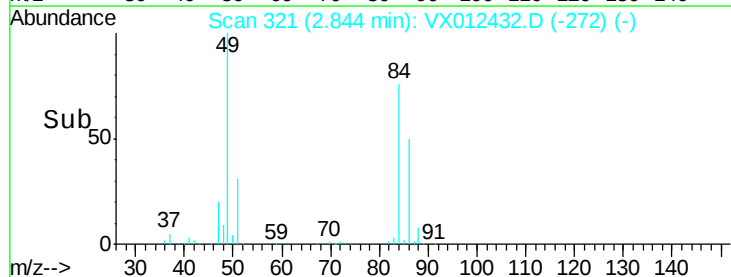
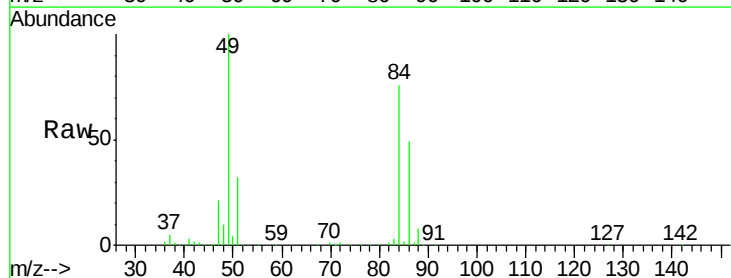
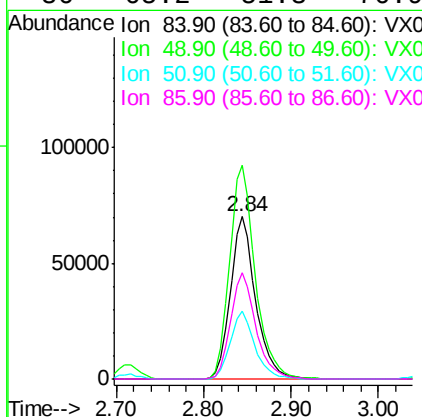
Manual Integrations
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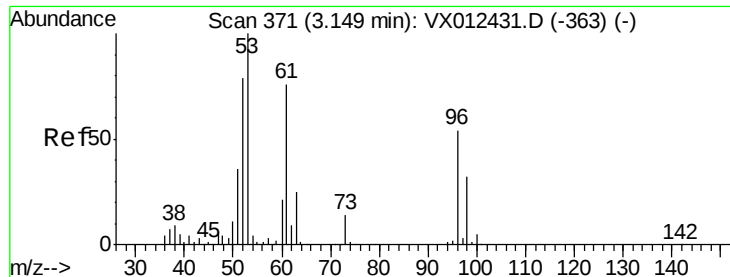
MMDadoda
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#20
Methylene Chloride
Concen: 70.125 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.7	106.8	160.2
51	41.5	32.3	48.5
86	65.2	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 76.257 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 113659

Ion Ratio Lower Upper

96 100

61 143.8 112.0 168.0

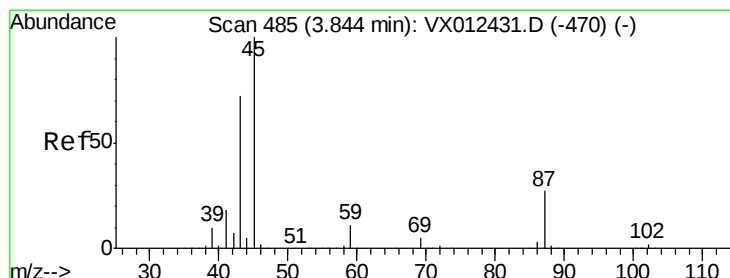
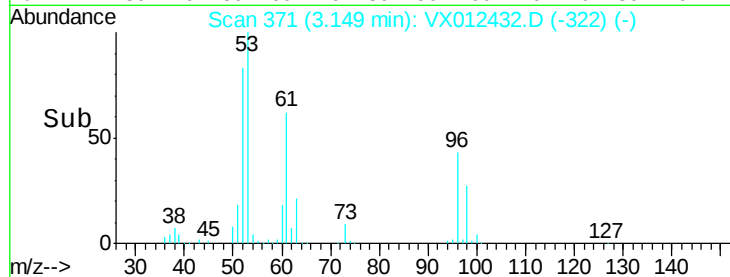
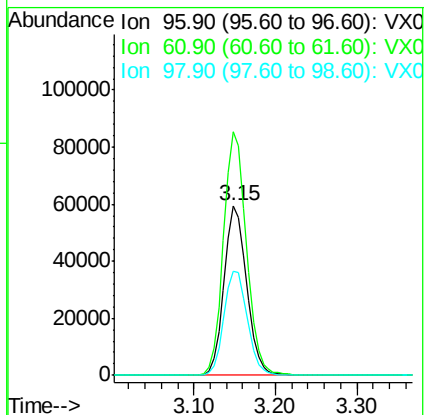
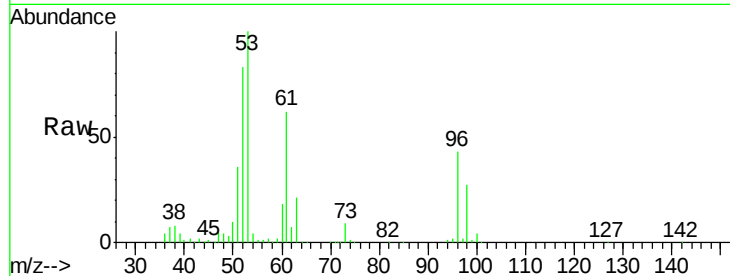
98 61.5 47.8 71.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 78.126 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Tgt Ion: 45 Resp: 577337

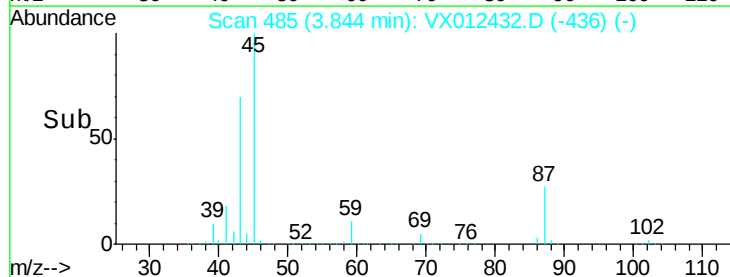
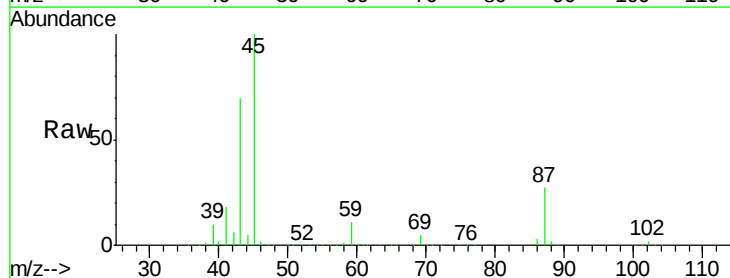
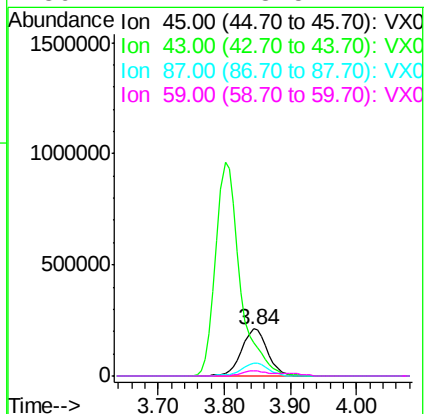
Ion Ratio Lower Upper

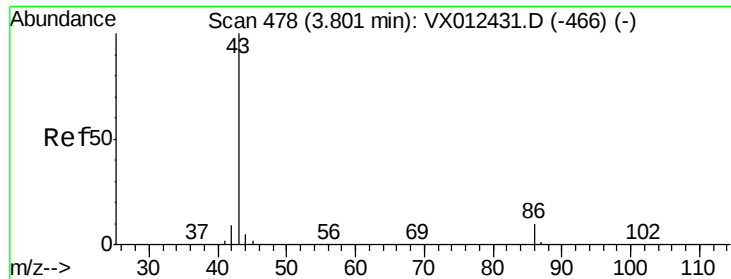
45 100

43 70.3 57.8 86.8

87 27.1 21.3 31.9

59 11.2 8.5 12.7





#23

Vinyl Acetate

Concen: 407.309 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Instrument :

MSVOA_X

ClientSampleID :

VSTDIC100

Tot Ion: 43 Resp: 2482942

Ion Ratio Lower Upper

43 100

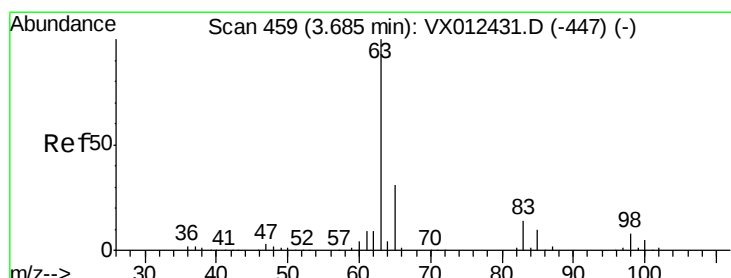
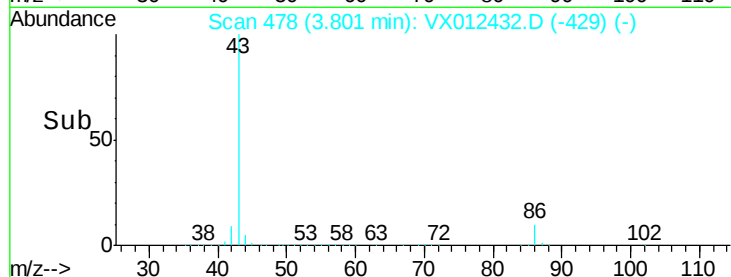
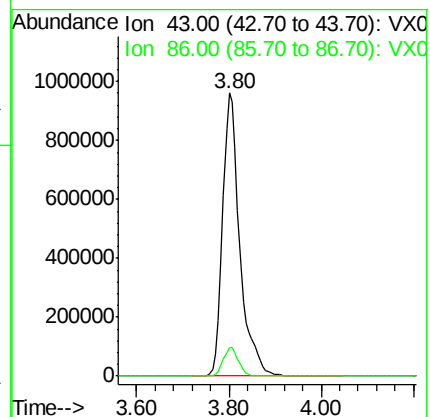
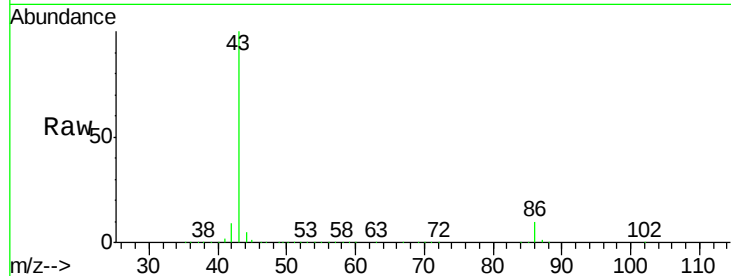
86 10.1 7.8 11.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 76.221 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

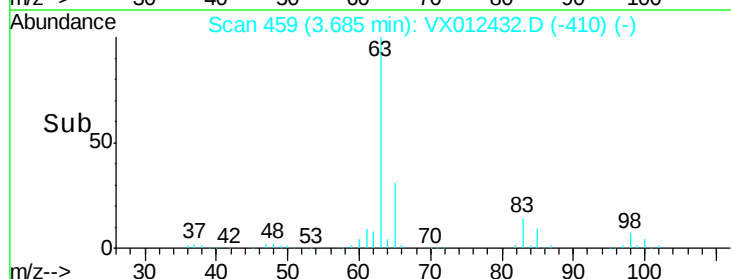
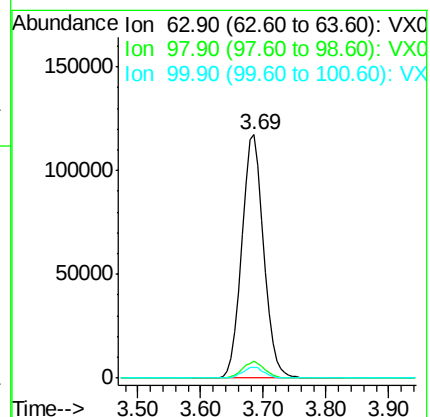
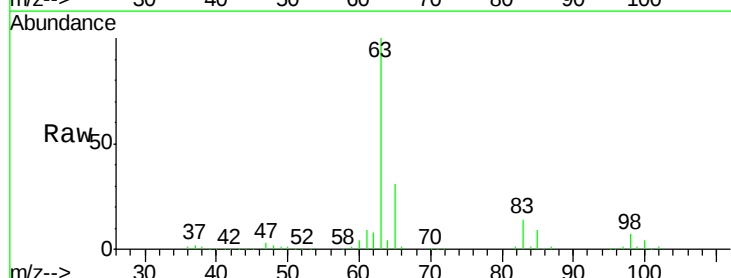
Tgt Ion: 63 Resp: 282166

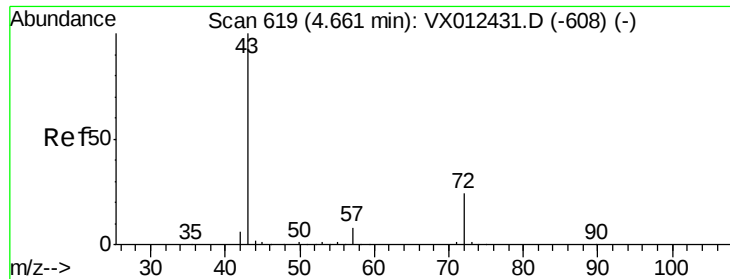
Ion Ratio Lower Upper

63 100

98 6.8 3.9 11.7

100 4.3 2.3 6.9





#25

2-Butanone

Concen: 383.800 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 809705

Ion Ratio Lower Upper

43 100

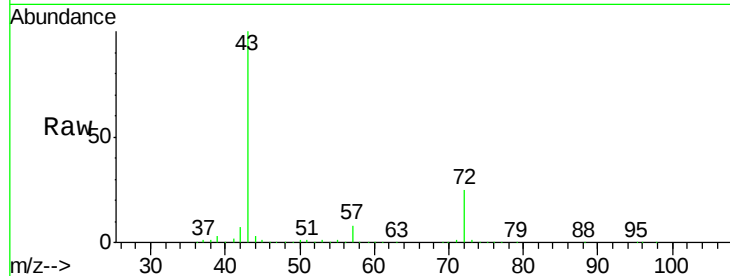
72 24.9 19.2 28.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

300000

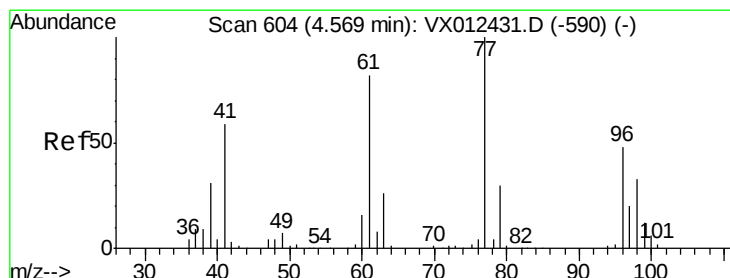
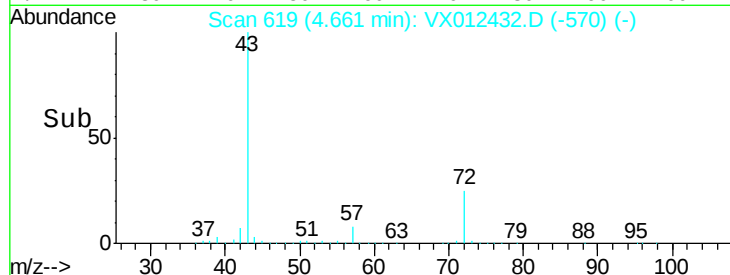
200000

100000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 75.819 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX012432.D

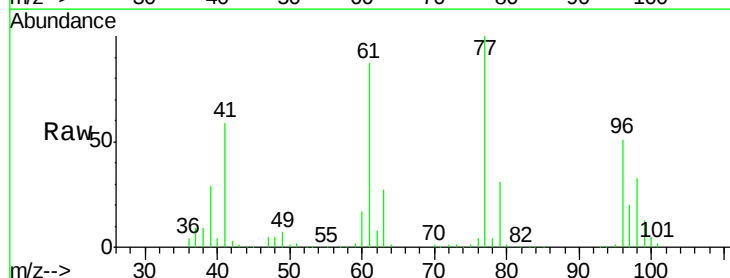
Acq: 17 Sep 2019 13:33

Tgt Ion: 77 Resp: 267843

Ion Ratio Lower Upper

77 100

97 21.3 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

100000

80000

60000

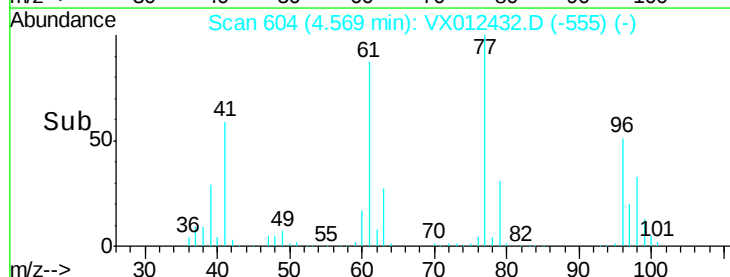
40000

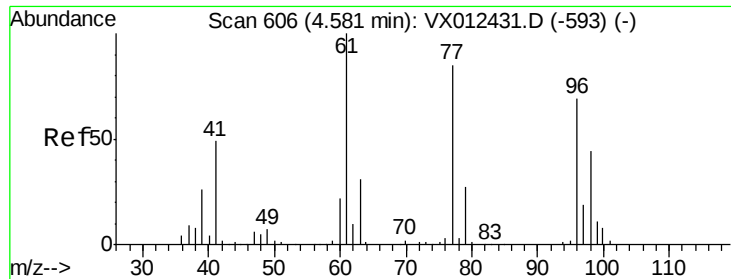
20000

0

4.40 4.50 4.60 4.70

Time-->





#27

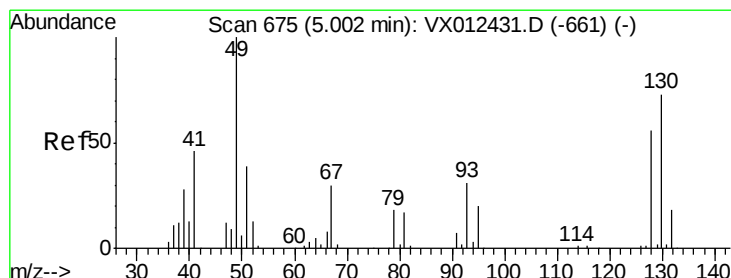
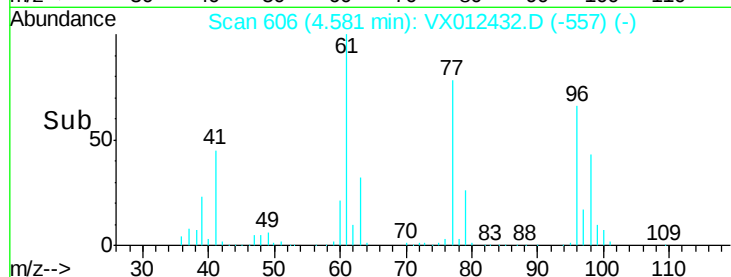
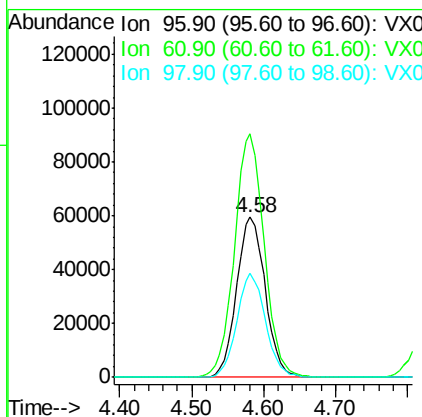
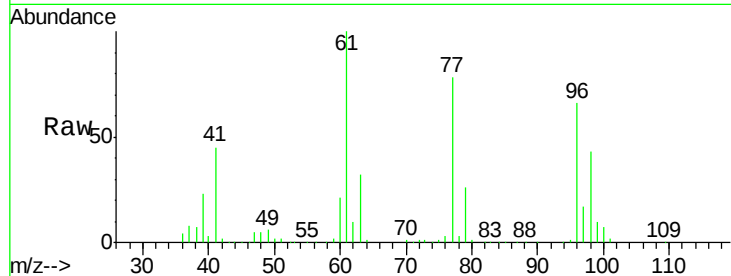
cis-1,2-Dichloroethene
Concen: 75.145 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	164648		
61	157.6	0.0	319.4	
98	64.6	0.0	130.6	

Manual Integrations
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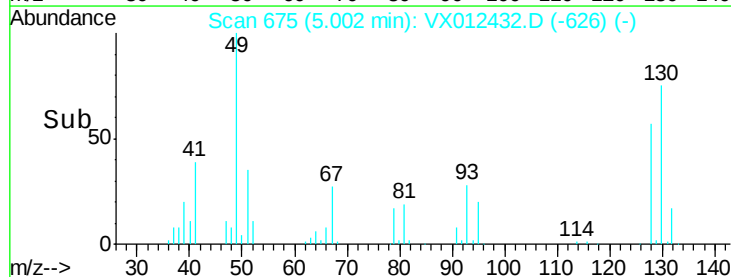
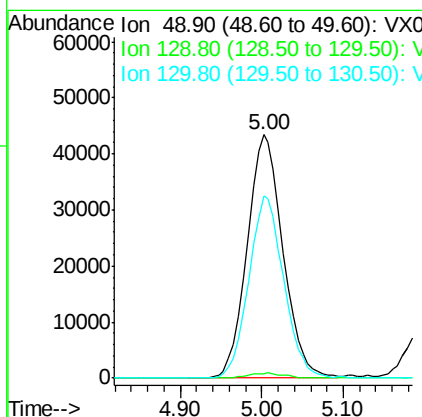
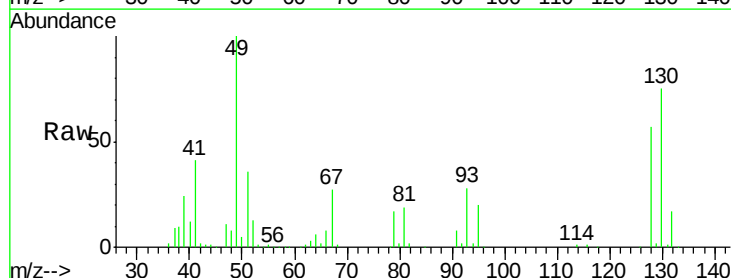
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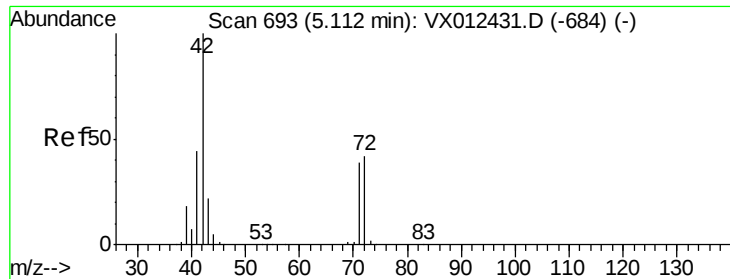


#28

Bromochloromethane
Concen: 70.063 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	132360		
129	2.1	0.0	3.8	
130	73.5	58.2	87.4	





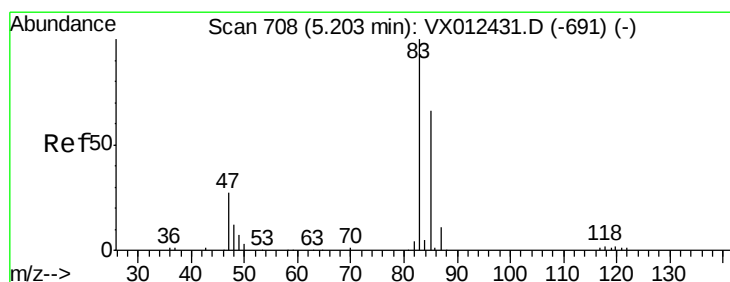
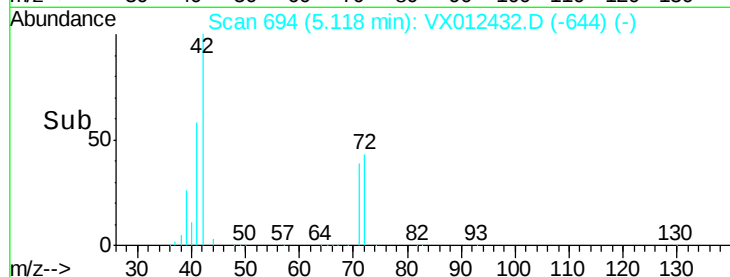
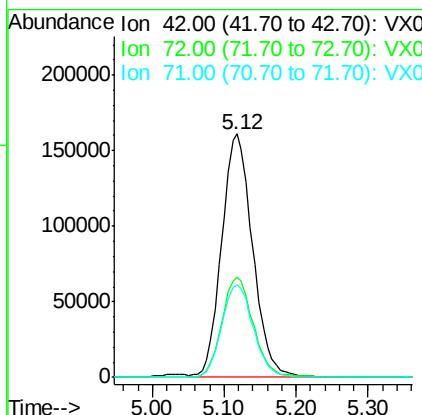
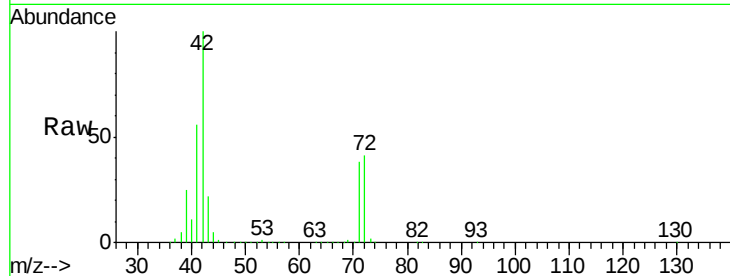
#29
Tetrahydrofuran
Concen: 393.396 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	34.0	51.0
71	38.9	31.5	47.3

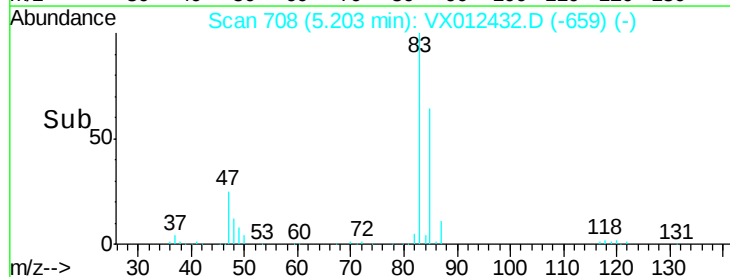
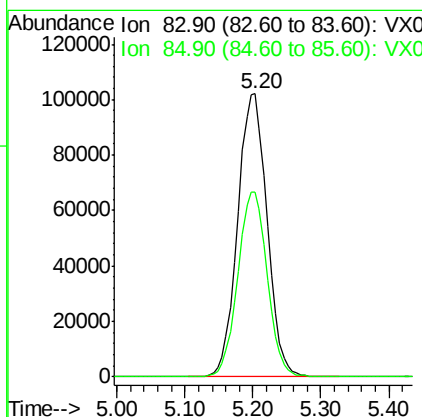
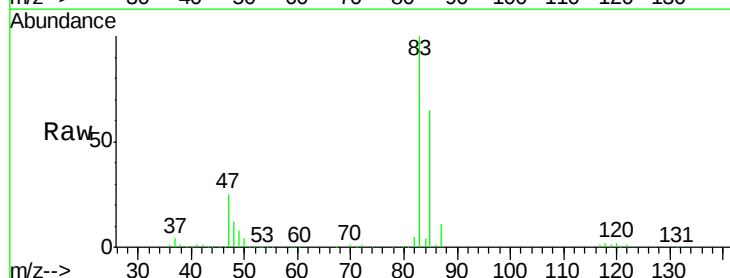
Manual Integrations
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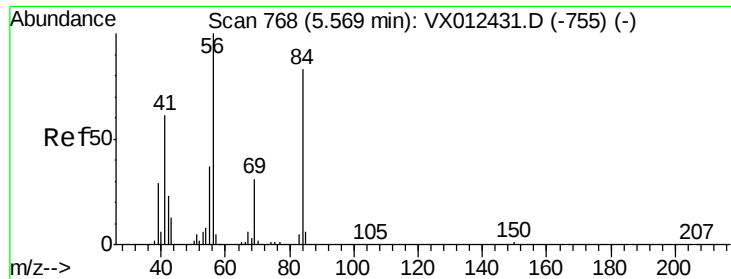
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#30
Chloroform
Concen: 71.870 ug/l
RT: 5.20 min Scan# 708
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	53.0	79.4





#31

Cyclohexane

Concen: 77.864 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Instrument :

MSVOA_X

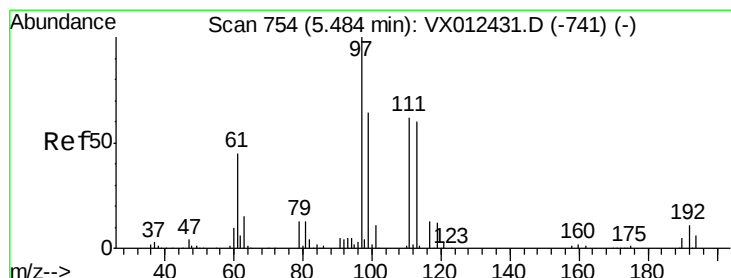
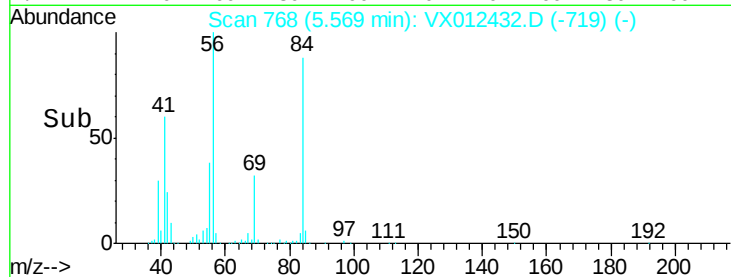
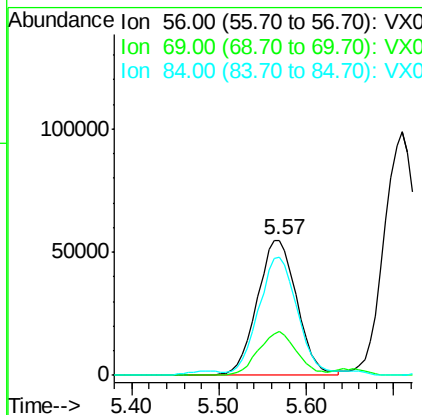
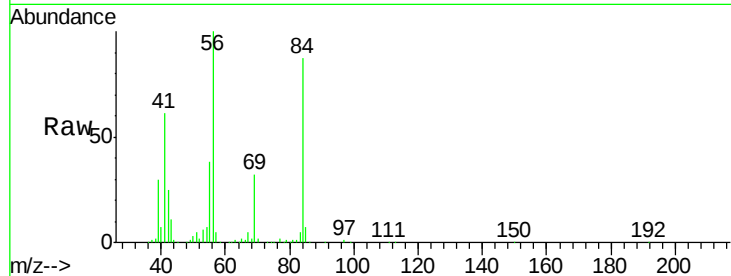
ClientSampled :

VSTDIC100

Tot Ion:	56	Resp:	172833
Ion Ratio	Lower	Upper	
56	100		
69	32.1	25.0	37.6
84	85.6	66.4	99.6

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#32

1,1,1-Trichloroethane

Concen: 75.809 ug/l

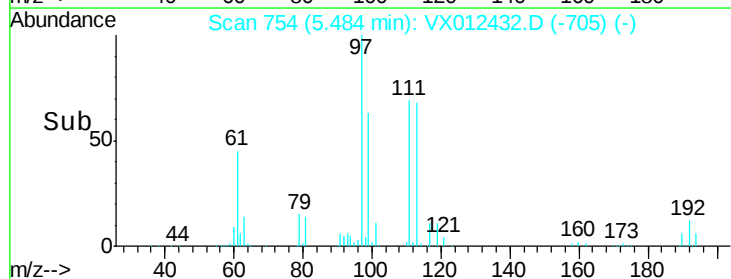
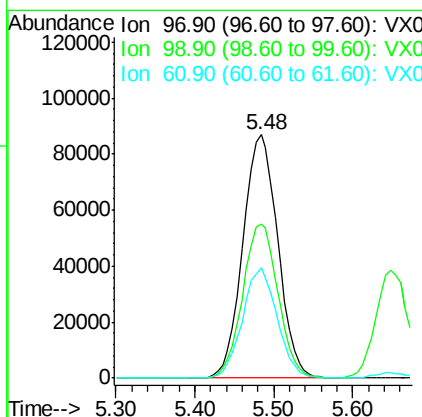
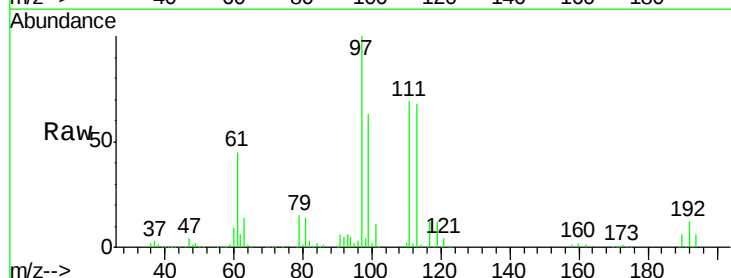
RT: 5.48 min Scan# 754

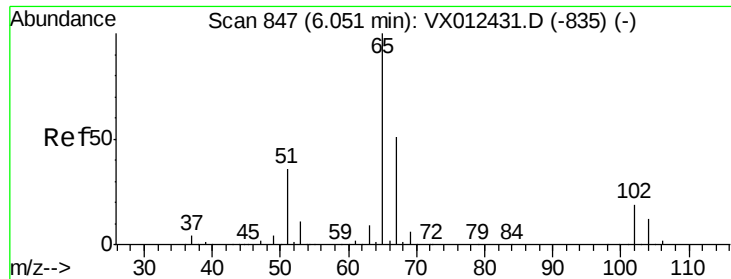
Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Tgt Ion:	97	Resp:	267883
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.3	76.9
61	44.9	36.1	54.1





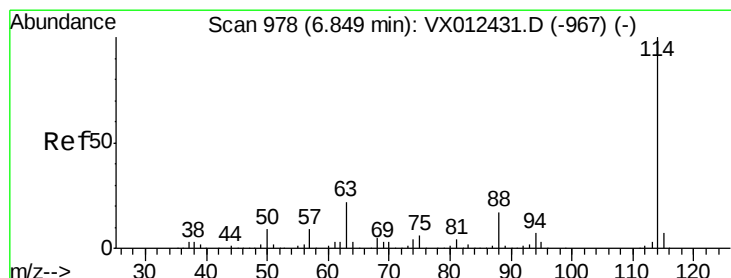
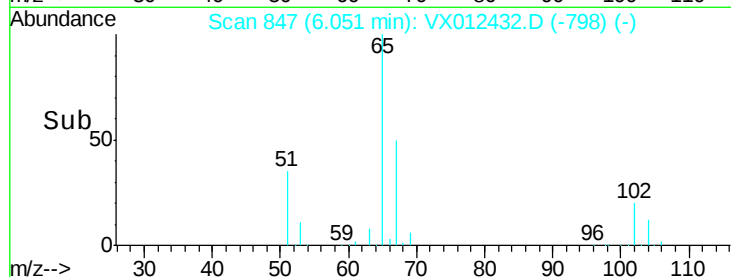
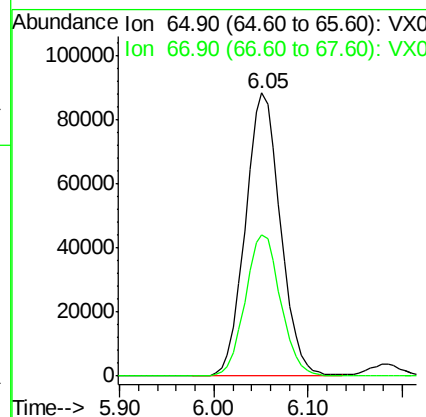
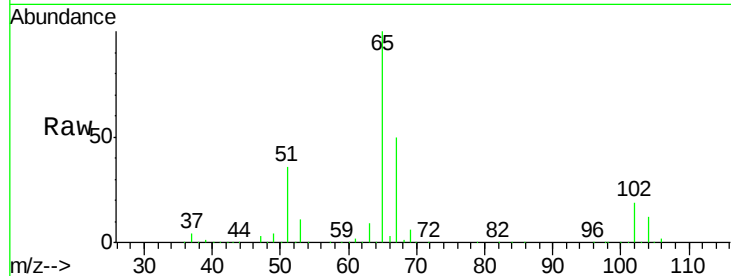
#33
 1,2-Dichloroethane-d4
 Concen: 72.256 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	230773		
67	50.5	0.0	101.2	

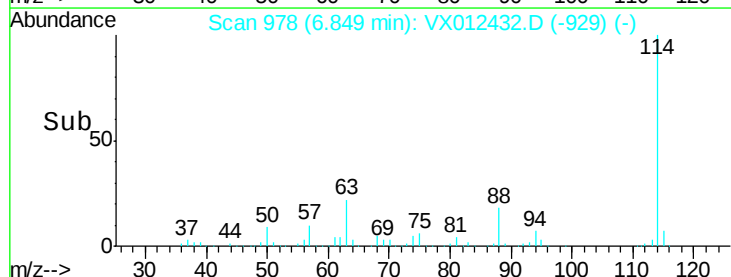
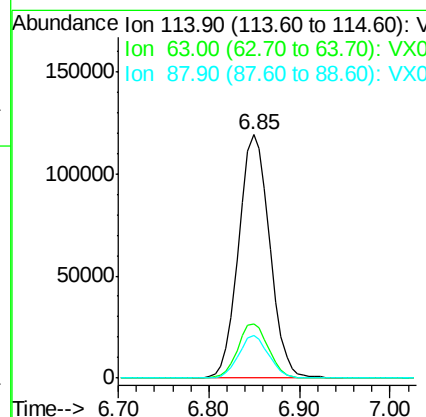
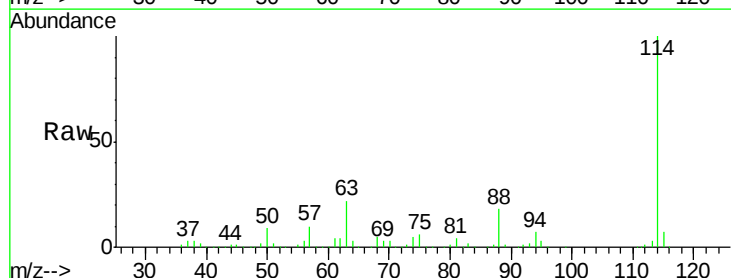
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	283415		
63	22.2	0.0	43.2	
88	17.6	0.0	33.2	





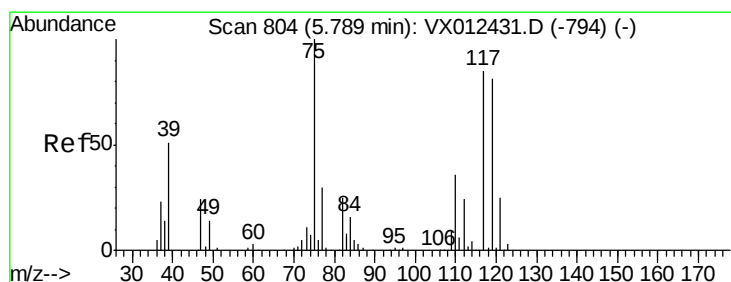
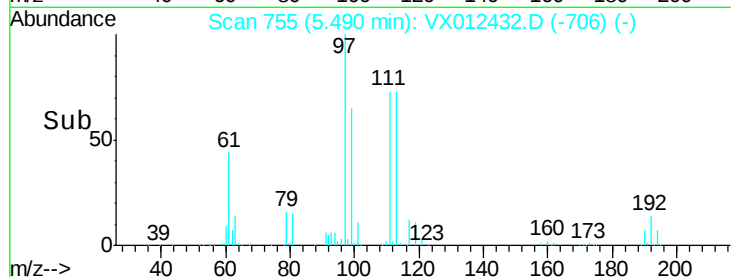
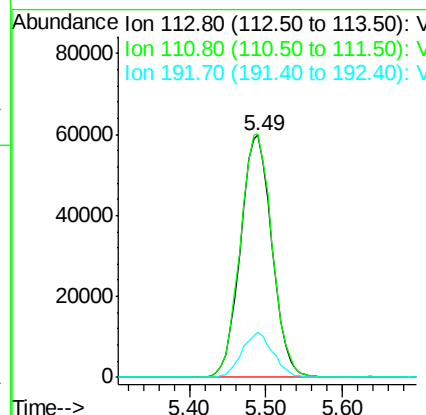
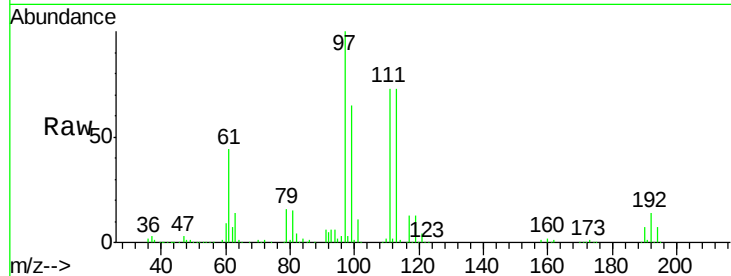
#35
 Dibromofluoromethane
 Concen: 68.178 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	171273		
111	101.7	83.4	125.2	
192	18.1	14.4	21.6	

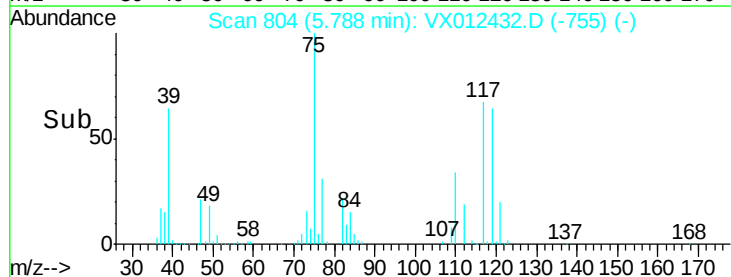
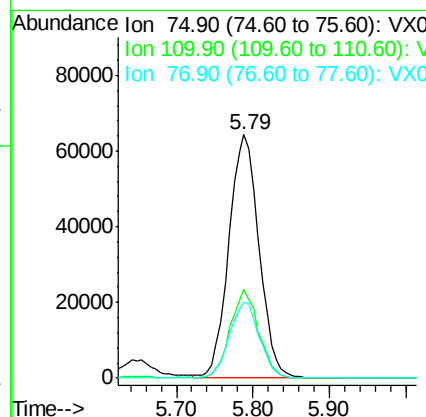
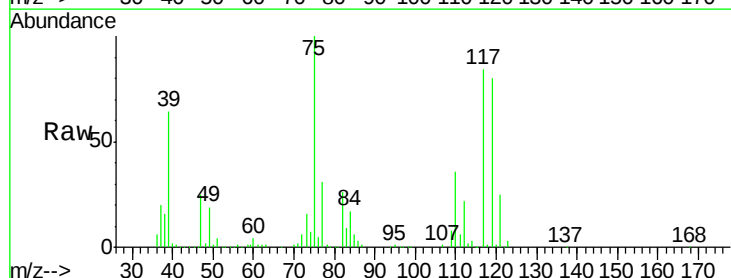
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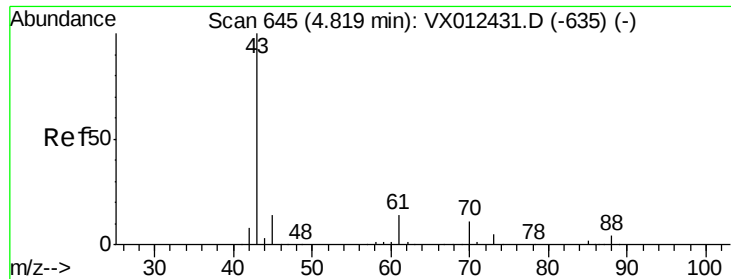
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#36
 1,1-Dichloropropene
 Concen: 70.654 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	174672		
110	34.6	16.7	50.0	
77	31.3	24.2	36.2	





#37

Ethyl Acetate

Concen: 74.179 ug/l

RT: 4.82 min Scan# 645

Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Instrument :

MSVOA_X

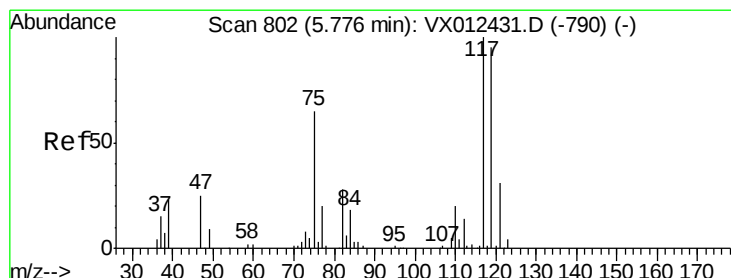
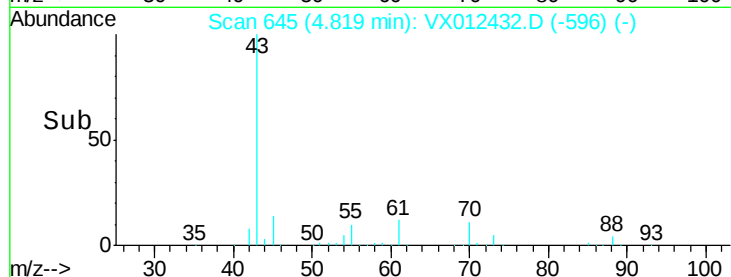
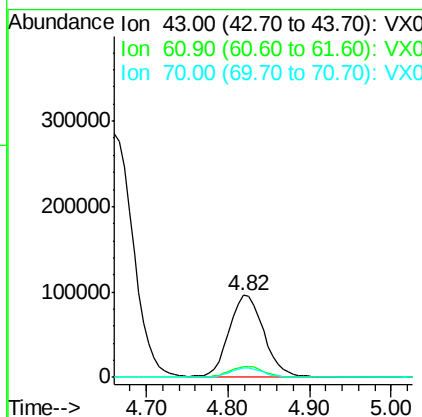
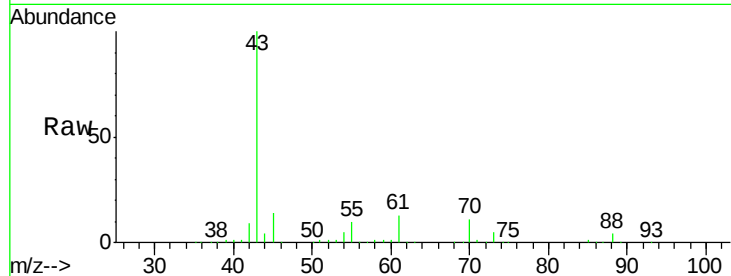
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	282283
Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.2	15.4
70	11.1	8.7	13.1

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#38

Carbon Tetrachloride

Concen: 73.615 ug/l

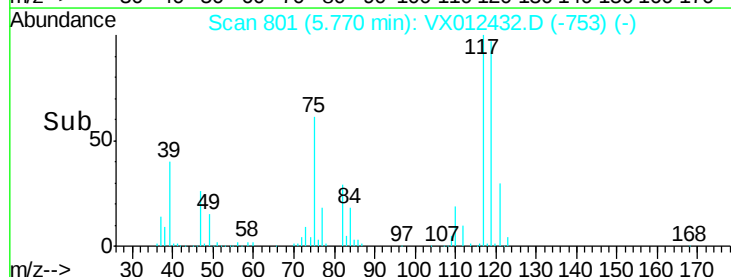
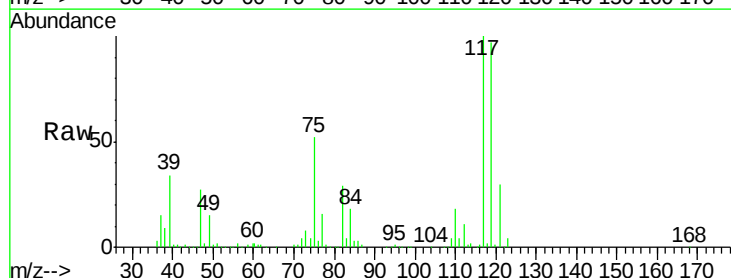
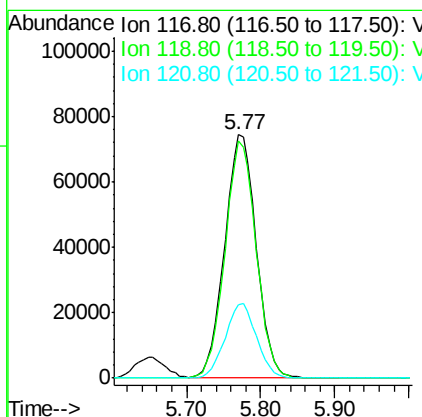
RT: 5.77 min Scan# 801

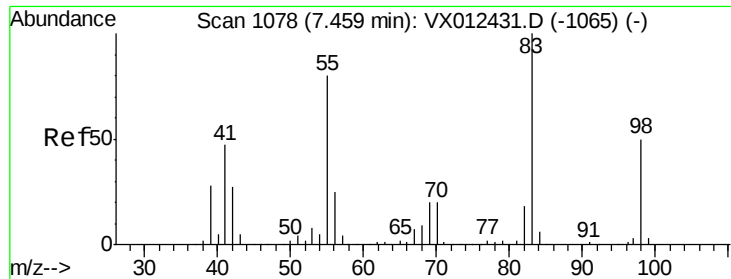
Delta R.T. -0.01 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Tgt Ion:	117	Resp:	220344
Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.7	113.5
121	30.4	24.2	36.4





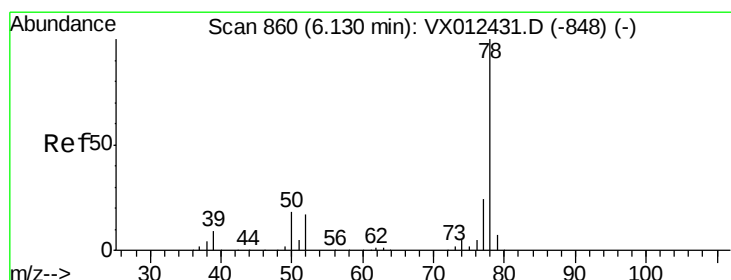
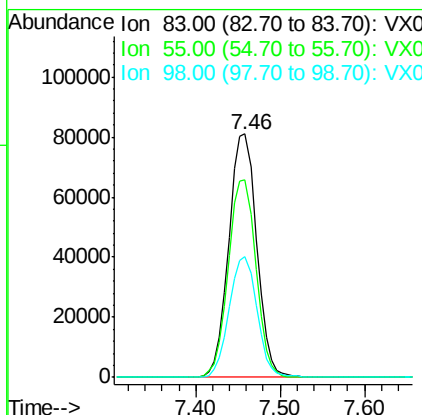
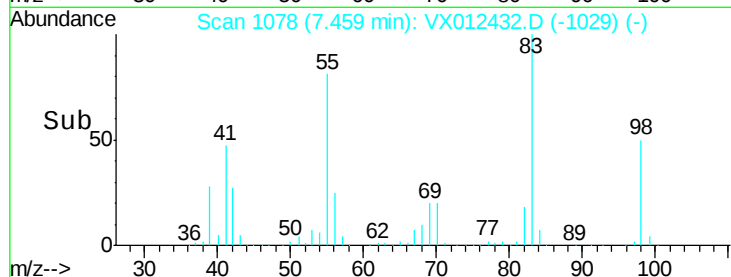
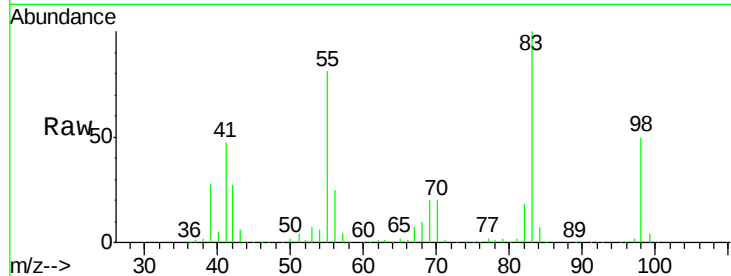
#39
Methvlcvclohexane
Concen: 76.746 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	181366		
55	81.1	64.4	96.6	
98	49.7	40.1	60.1	

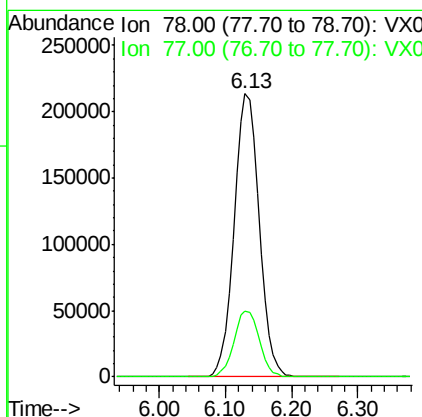
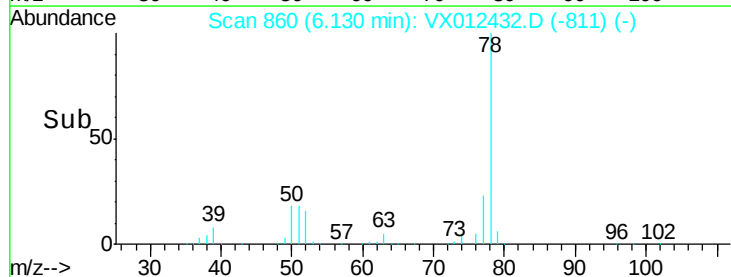
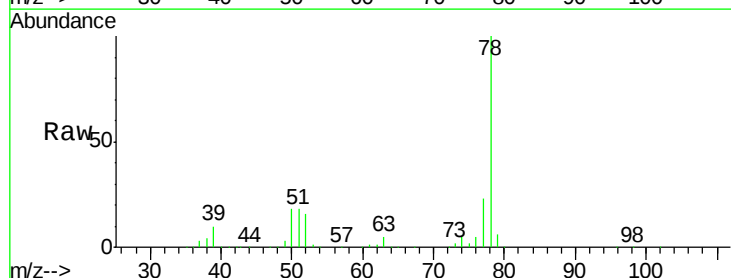
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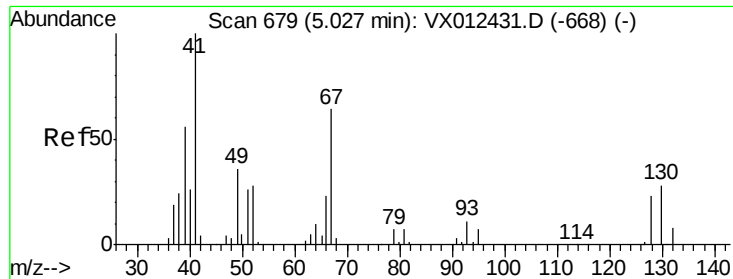
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#40
Benzene
Concen: 74.046 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	560633		
77	23.2	19.2	28.8	





#41

Methacrylonitrile

Concen: 78.789 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 170809

Ion Ratio Lower Upper

41 100

39 55.4 46.0 69.0

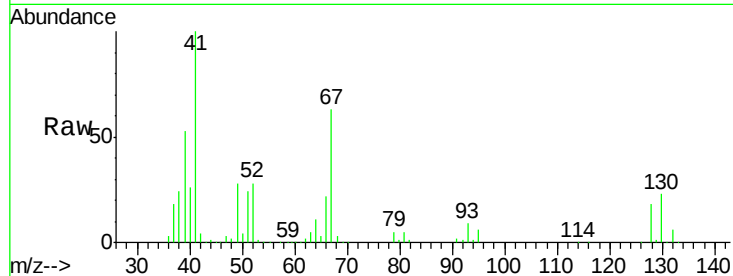
67 64.8 52.2 78.2

52 28.5 22.7 34.1

Manual Integrations
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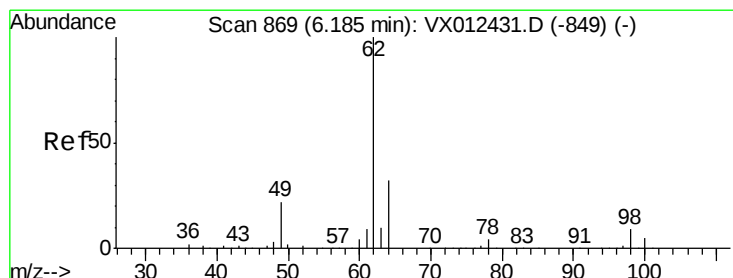
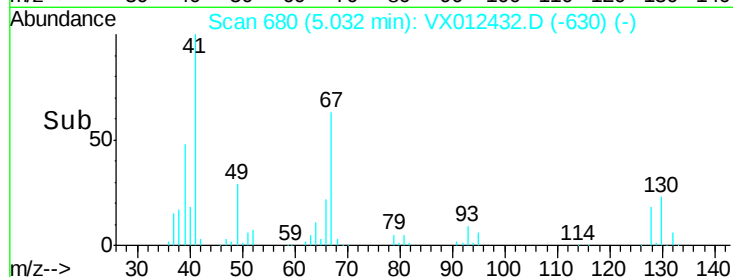
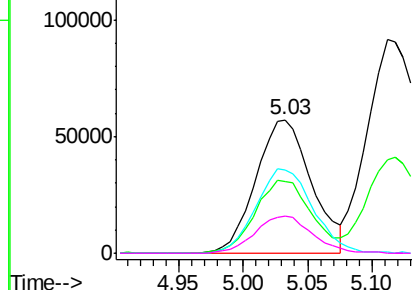


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 72.733 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.01 min

Lab File: VX012432.D

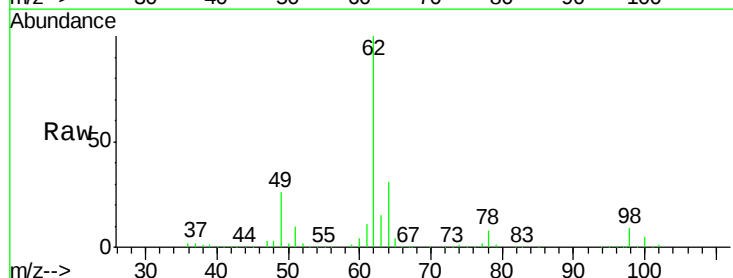
Acq: 17 Sep 2019 13:33

Tgt Ion: 62 Resp: 251492

Ion Ratio Lower Upper

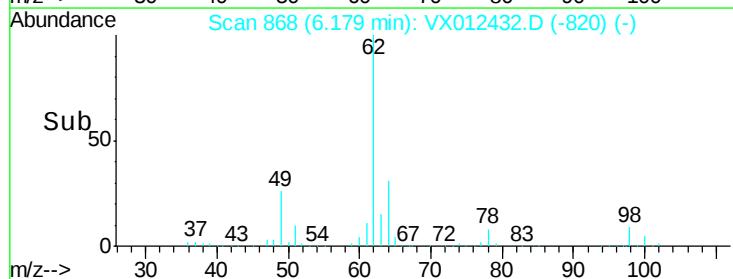
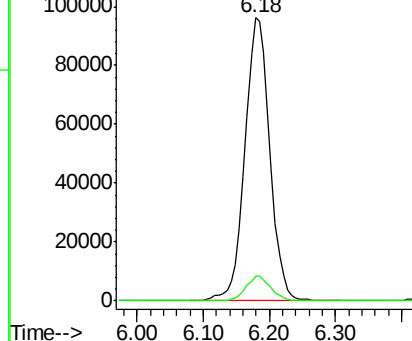
62 100

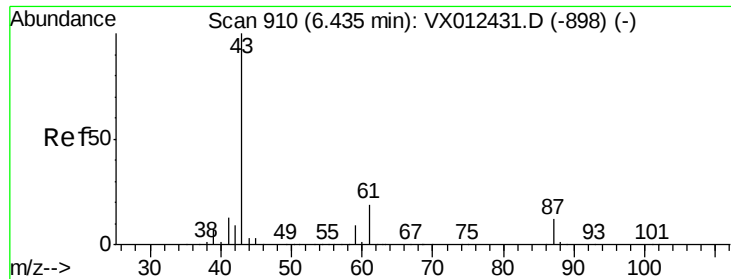
98 8.6 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 74.654 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Instrument :

MSVOA_X

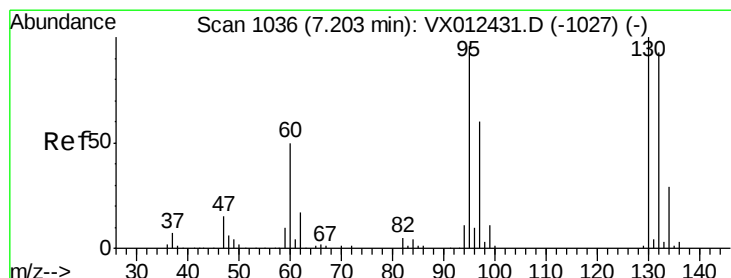
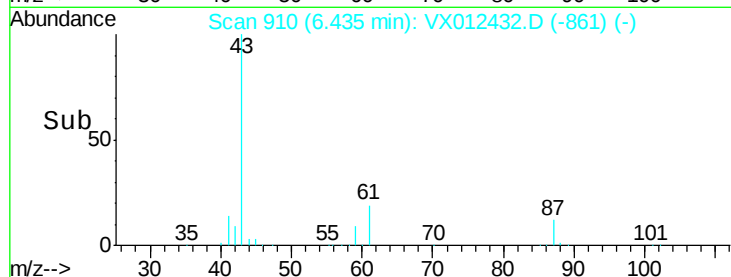
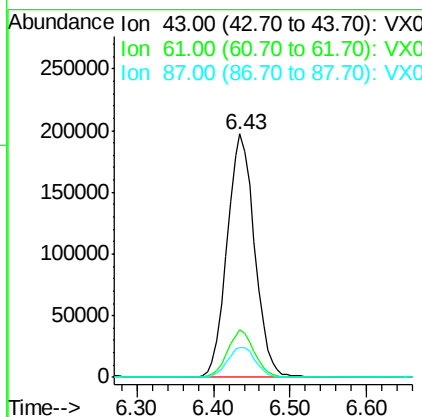
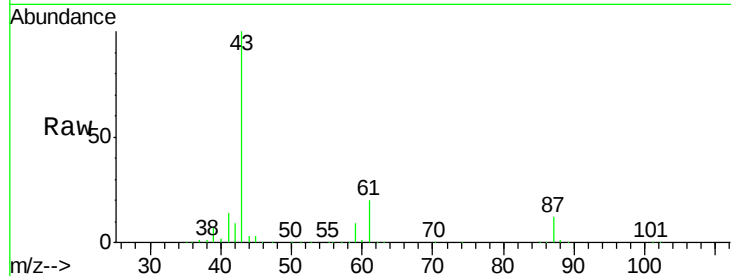
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	488657
Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.4	23.0
87	12.7	9.8	14.8

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#44

Trichloroethene

Concen: 72.571 ug/l

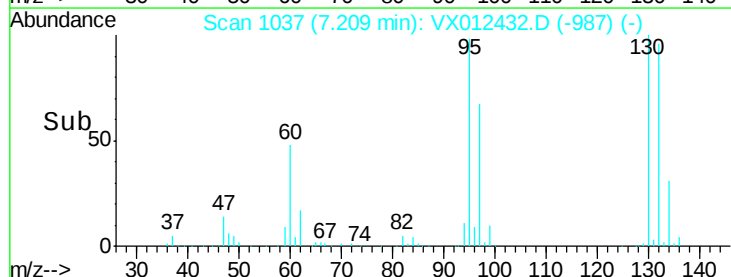
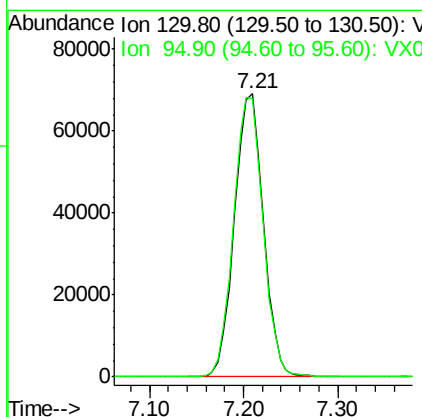
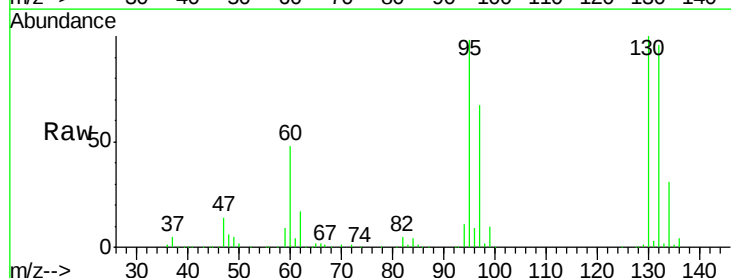
RT: 7.21 min Scan# 1037

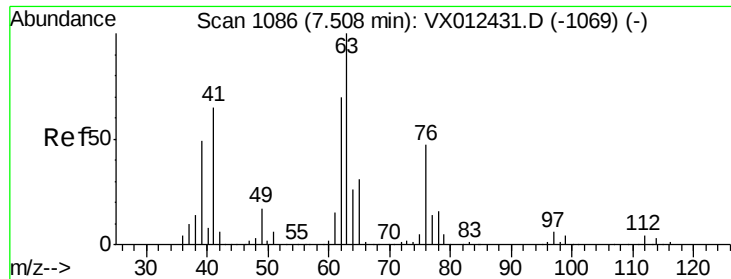
Delta R.T. 0.01 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Tgt Ion:	130	Resp:	147518
Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	193.0





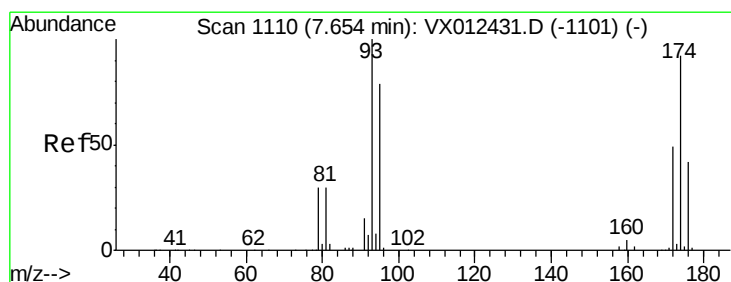
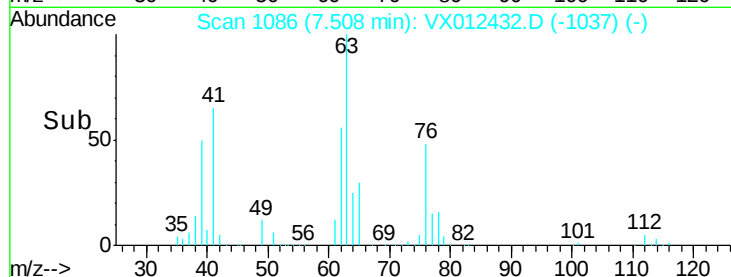
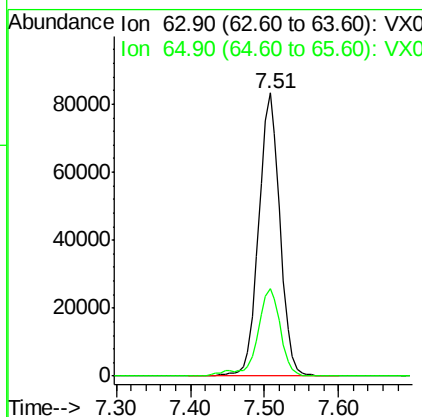
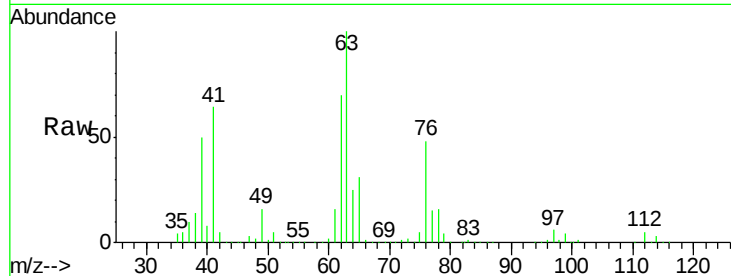
#45
 1,2-Dichloropropane
 Concen: 71.625 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 166827
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.0 37.6

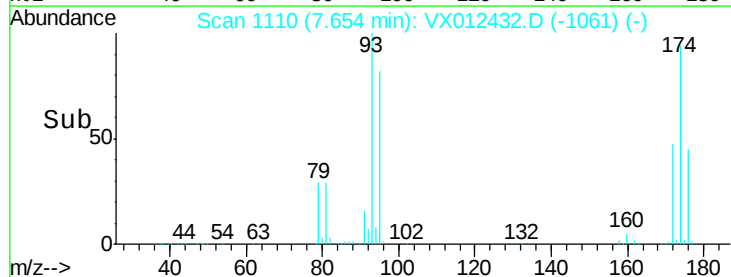
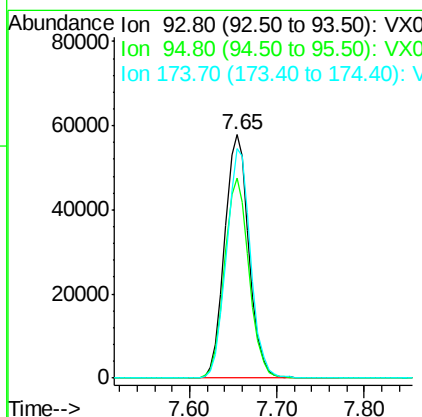
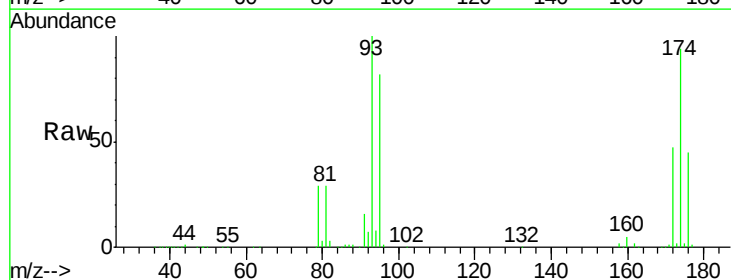
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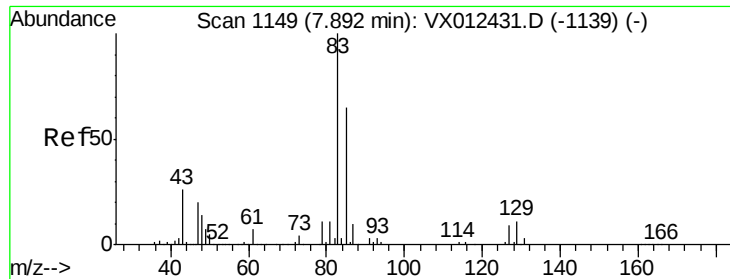
MMDadoda
 9/18/2019 11:22:19 AM



#46
 Dibromomethane
 Concen: 71.828 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion: 93 Resp: 111094
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.6 100.0
 174 94.0 77.4 116.0





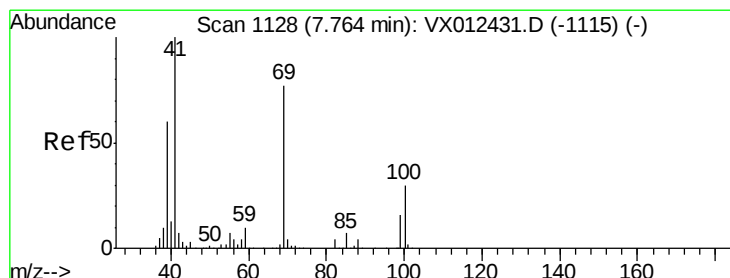
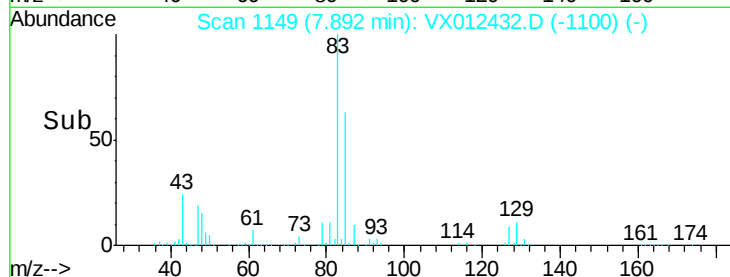
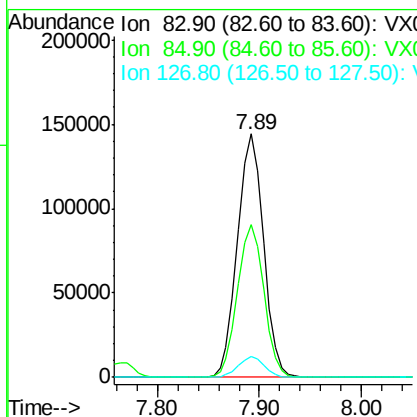
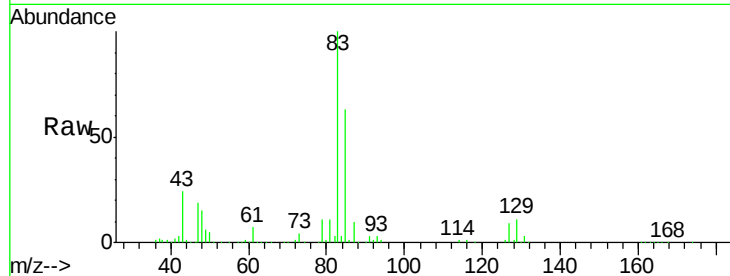
#47
Bromodichloromethane
Concen: 74.268 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	255797		
85	62.8		51.8	77.6
127	8.5		7.3	10.9

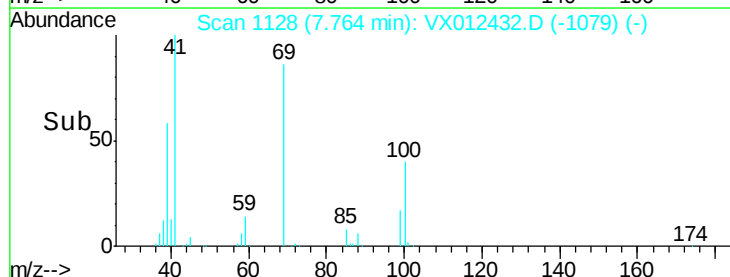
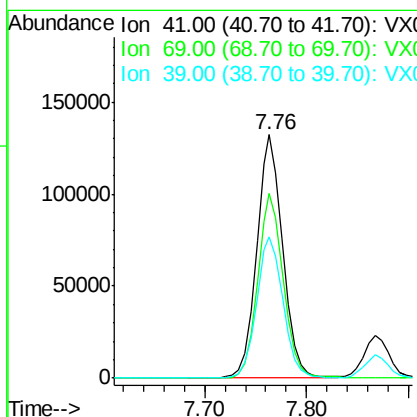
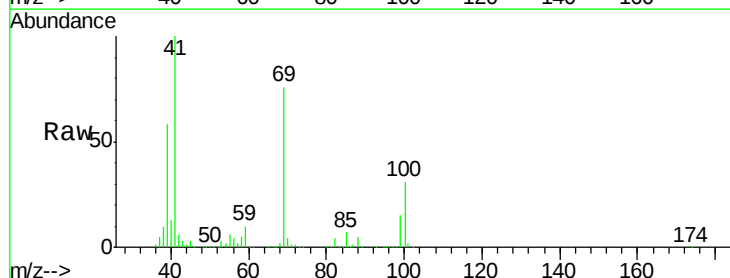
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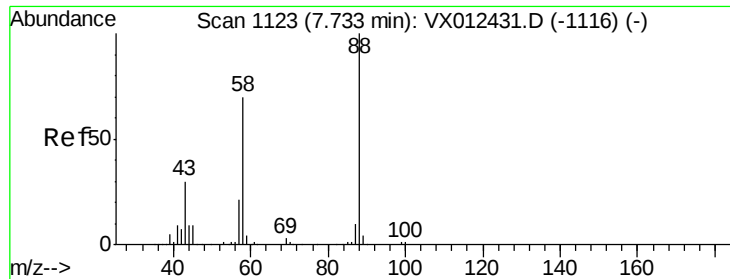
MMDadoda
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#48
Methyl methacrylate
Concen: 80.634 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	234329		
69	74.9		59.9	89.9
39	59.2		47.8	71.6





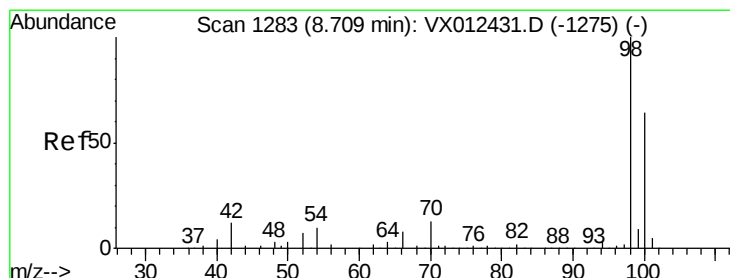
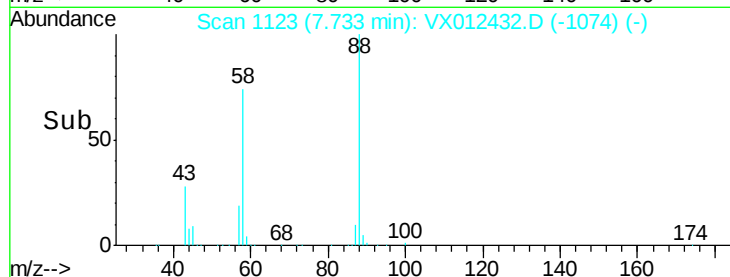
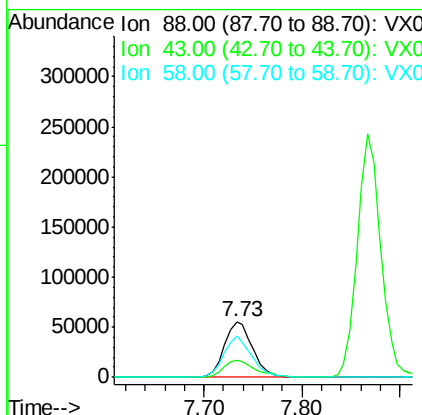
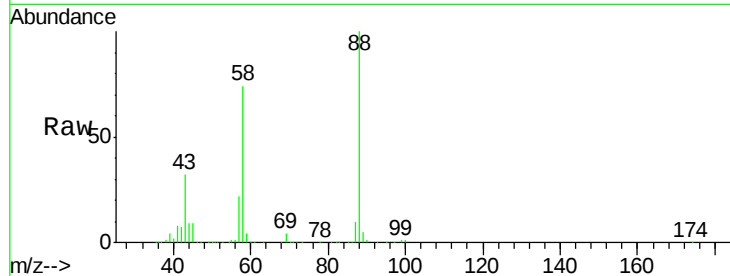
#49
1,4-Dioxane
Concen: 1491.947 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100	110622		
43	35.6		29.4	44.0
58	73.0		57.5	86.3

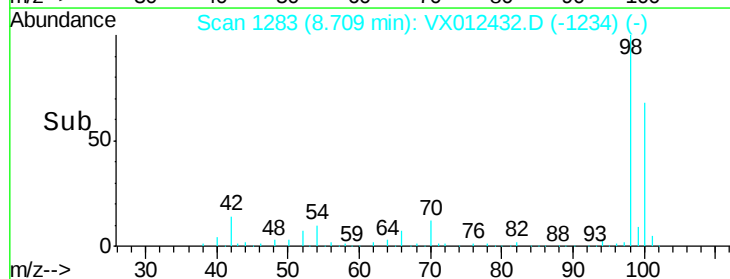
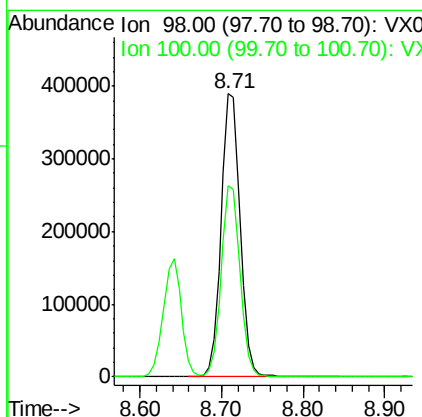
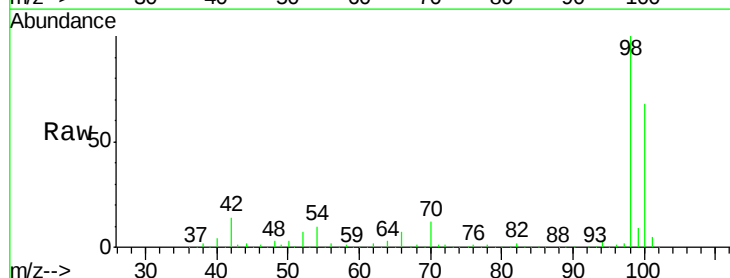
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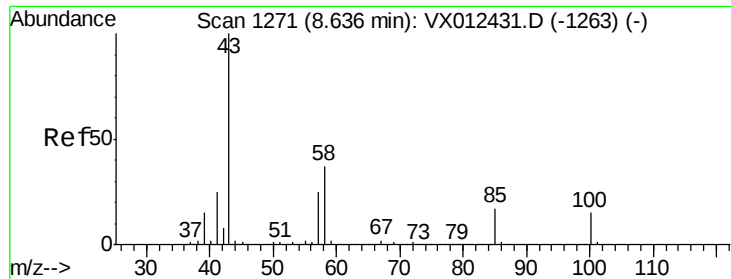
MMDadoda
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#50
Toluene-d8
Concen: 70.876 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	631088		
100	67.5		53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 379.652 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 1607604

Ion Ratio Lower Upper

43 100

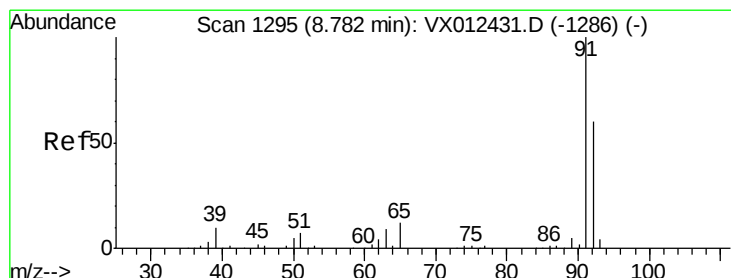
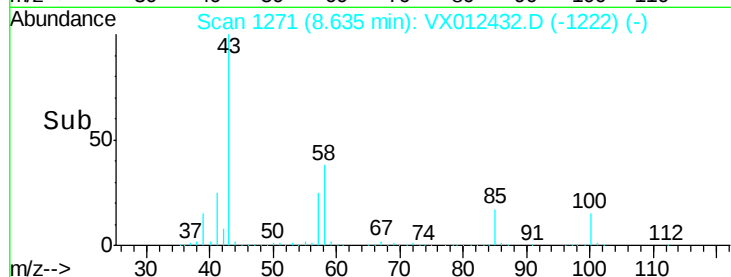
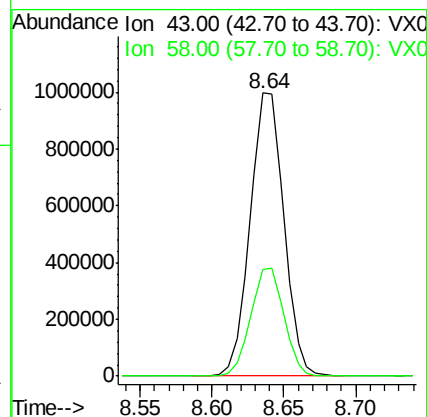
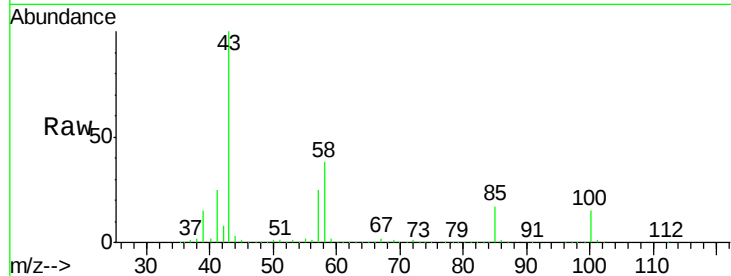
58 37.9 29.8 44.6

Manual Integrations

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#52

Toluene

Concen: 74.427 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX012432.D

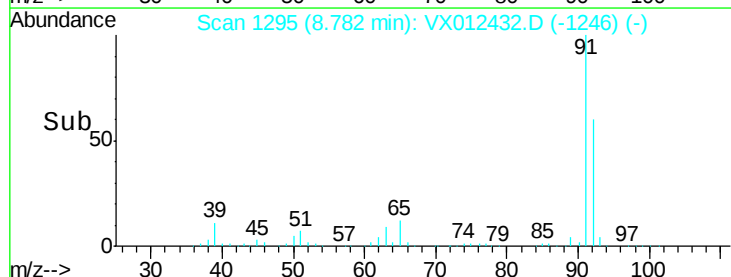
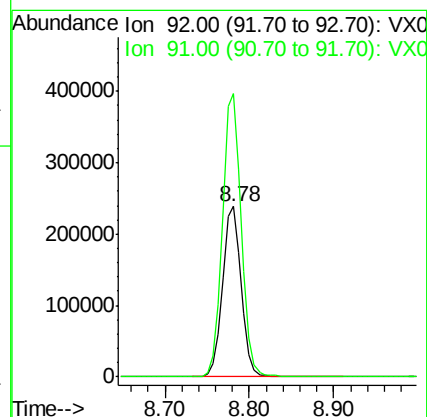
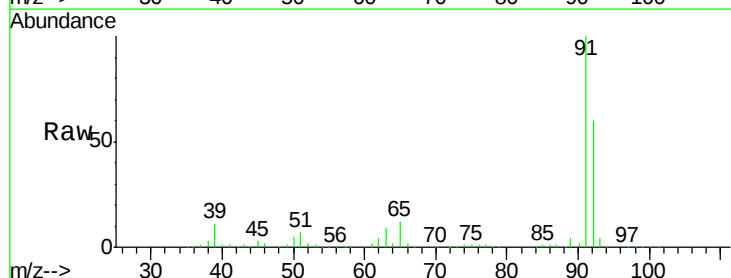
Acq: 17 Sep 2019 13:33

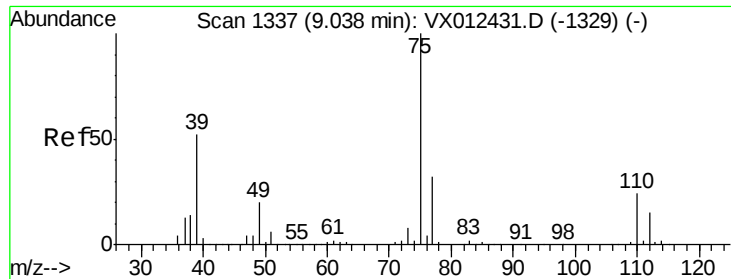
Tgt Ion: 92 Resp: 366280

Ion Ratio Lower Upper

92 100

91 167.6 135.4 203.0





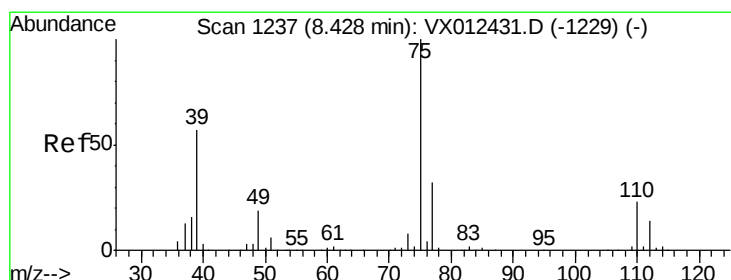
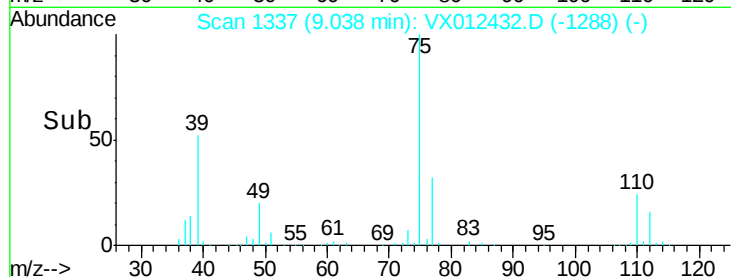
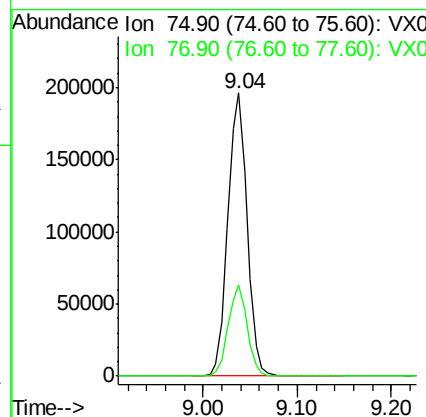
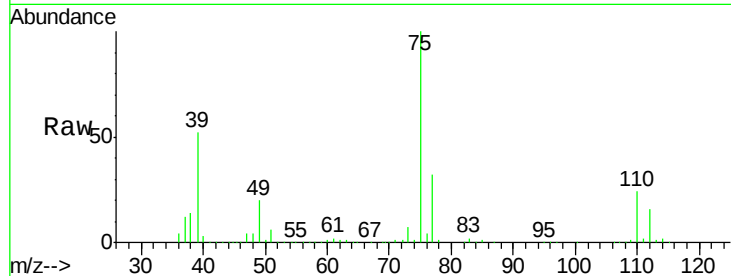
#53
t-1,3-Dichloropropene
Concen: 77.470 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 75 Resp: 276870
Ion Ratio Lower Upper
75 100
77 32.3 25.2 37.8

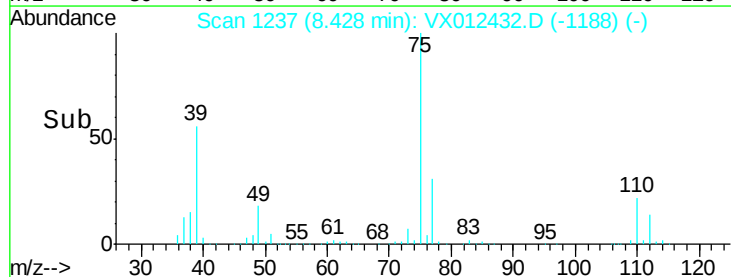
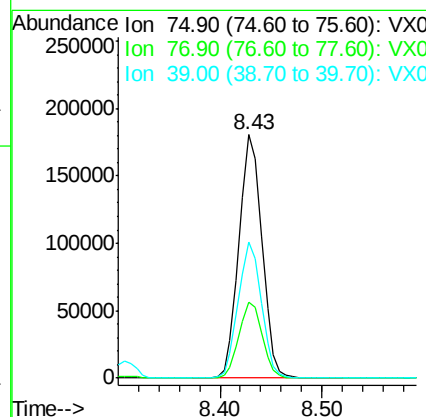
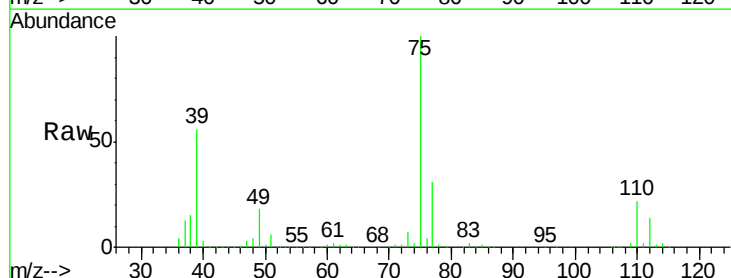
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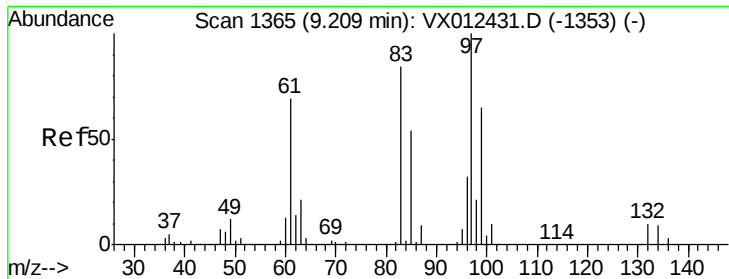
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#54
cis-1,3-Dichloropropene
Concen: 76.070 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Tgt Ion: 75 Resp: 281387
Ion Ratio Lower Upper
75 100
77 31.3 25.8 38.8
39 55.8 45.5 68.3





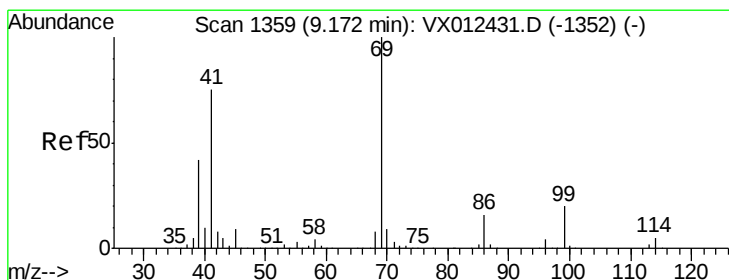
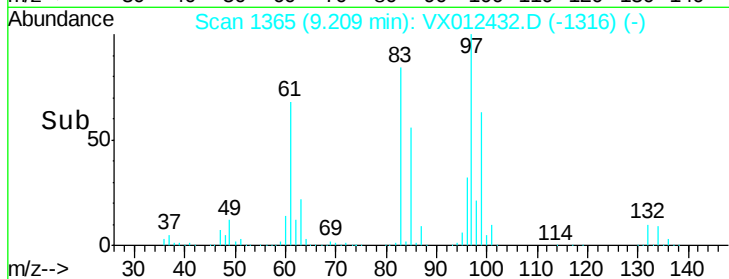
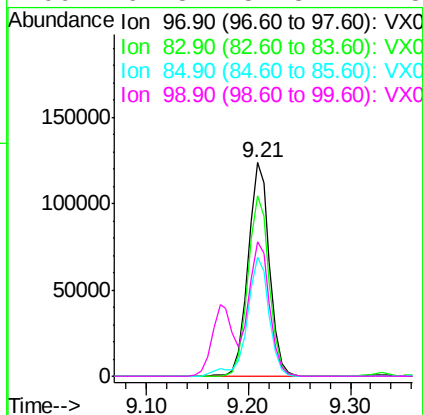
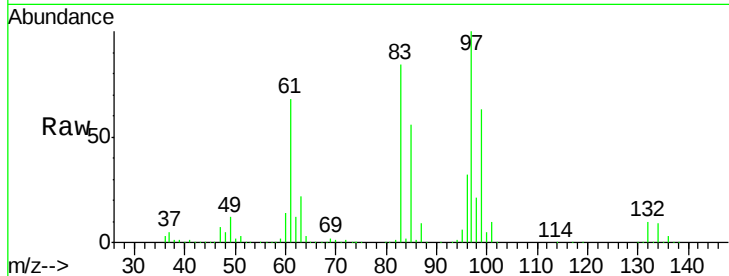
#55
 1,1,2-Trichloroethane
 Concen: 69.261 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	180393
Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.4	101.2
85	55.9	43.5	65.3
99	62.8	51.8	77.8

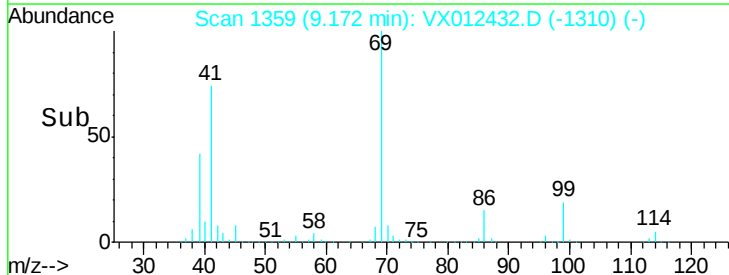
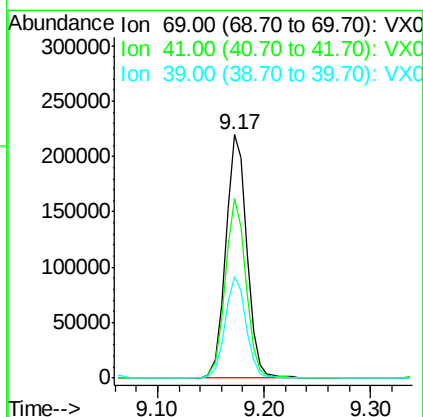
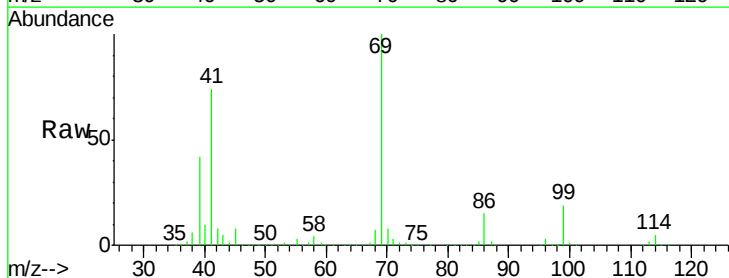
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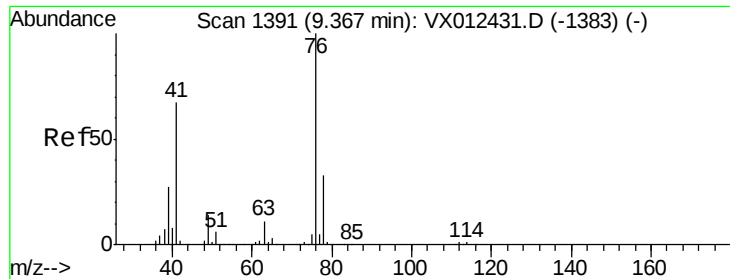
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#56
 Ethyl methacrylate
 Concen: 78.162 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion:	69	Resp:	305933
Ion	Ratio	Lower	Upper
69	100		
41	72.3	58.4	87.6
39	41.3	33.4	50.0





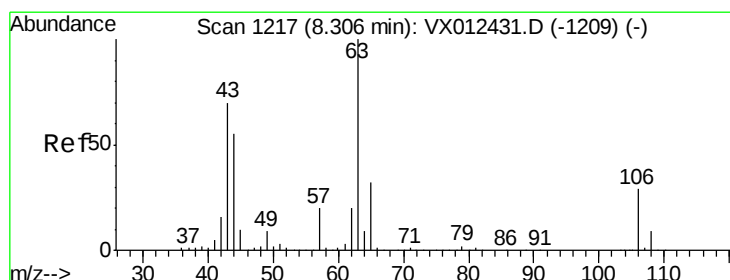
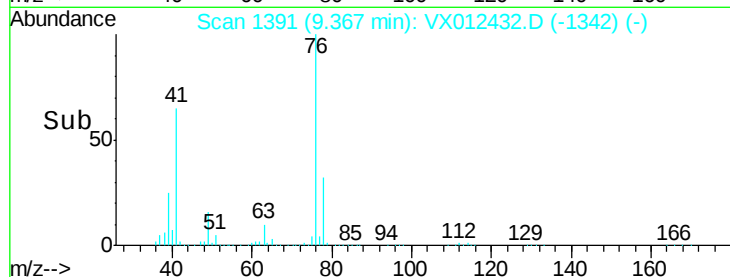
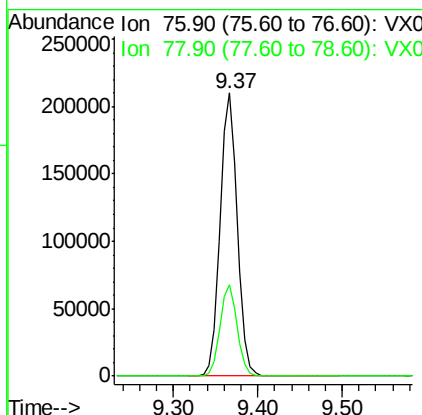
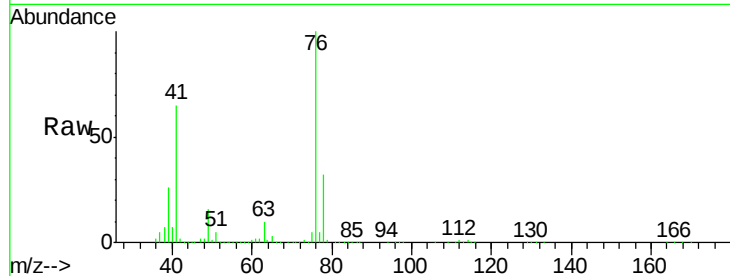
#57
 1,3-Dichloropropane
 Concen: 72.038 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.2	39.2

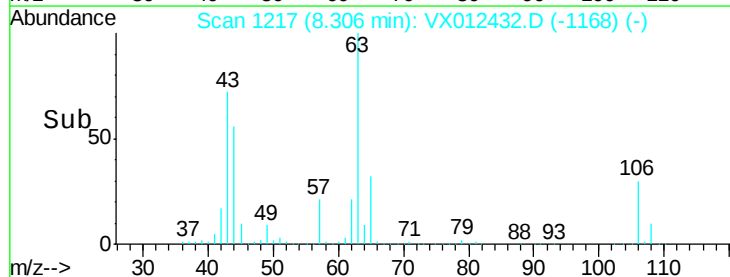
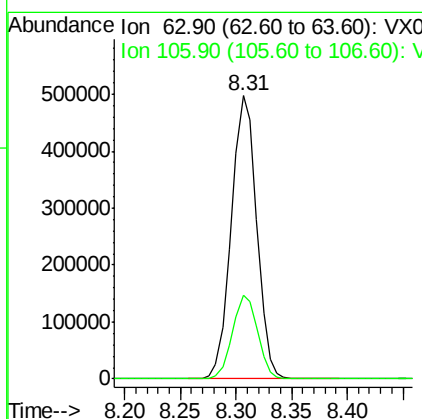
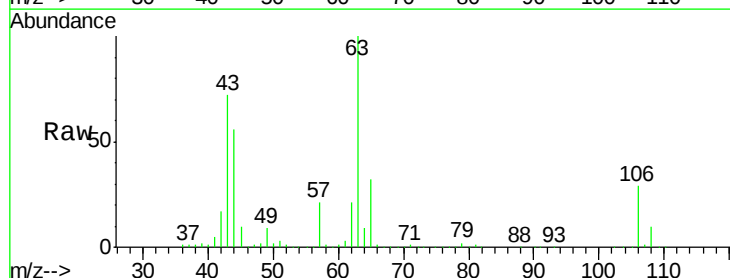
Manual Integrations
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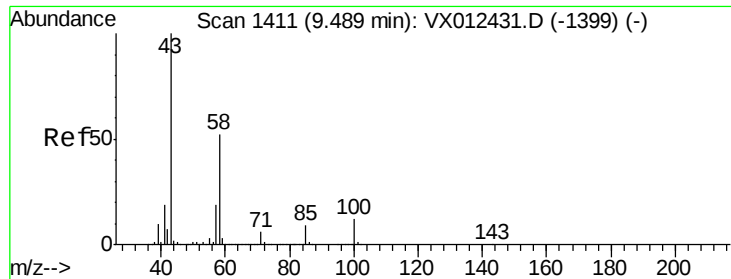
MMDadoda
 9/18/2019 11:22:19 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 376.536 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	23.8	35.6





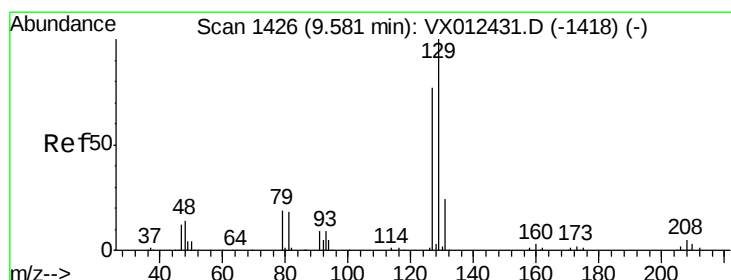
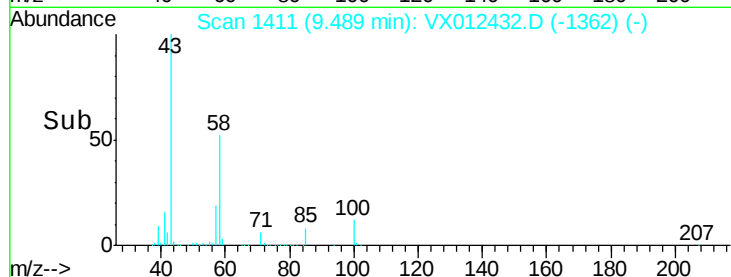
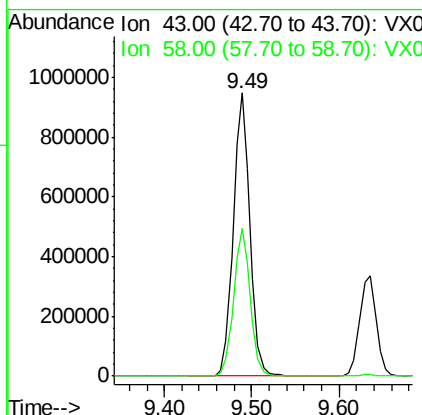
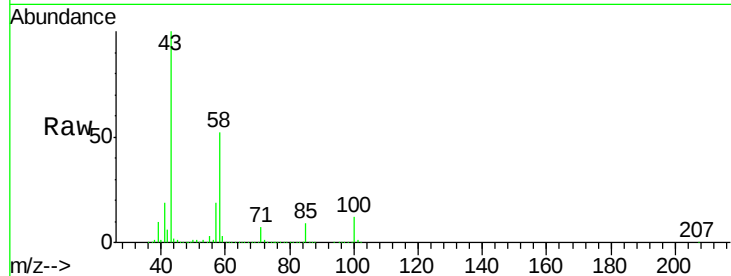
#59
2-Hexanone
Concen: 384.927 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1260039
Ion Ratio Lower Upper
43 100
58 52.2 25.7 77.1

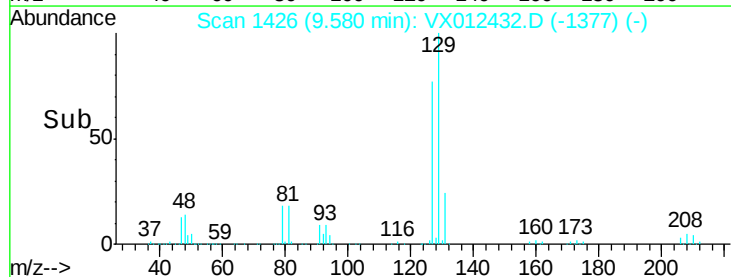
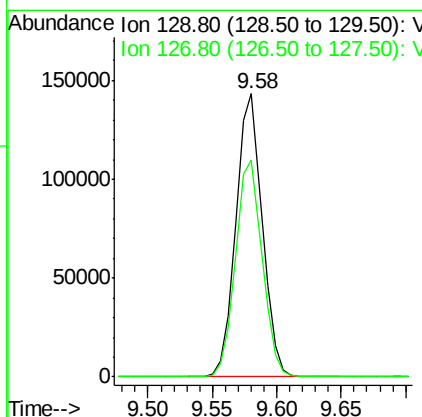
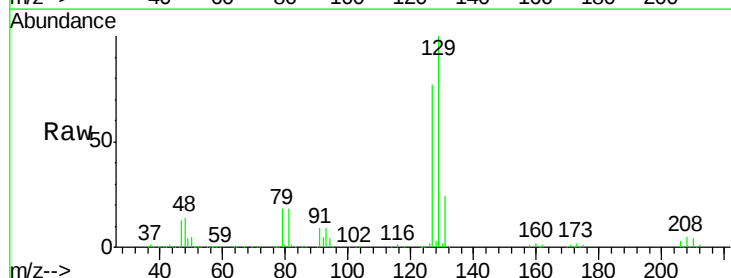
Manual Integrations
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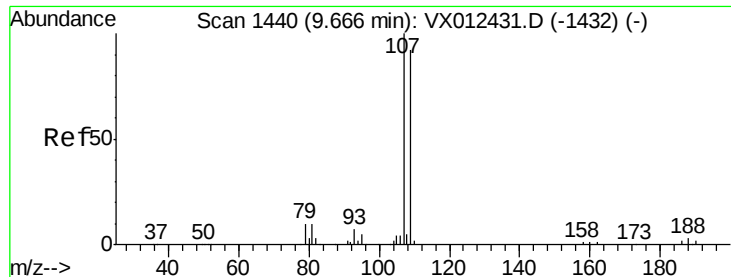
MMDadoda
9/18/2019 11:22:19 AM



#60
Dibromochloromethane
Concen: 76.705 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Tgt Ion: 129 Resp: 204020
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.6





#61

1,2-Dibromoethane

Concen: 72.775 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 107 Resp: 173803

Ion Ratio Lower Upper

107 100

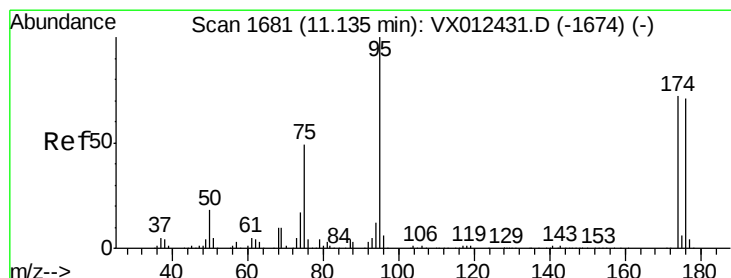
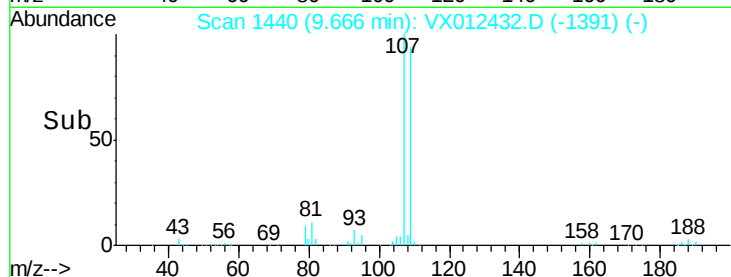
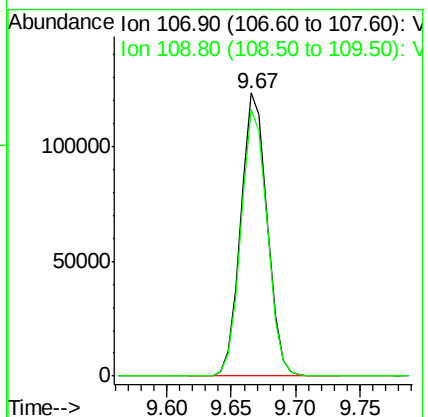
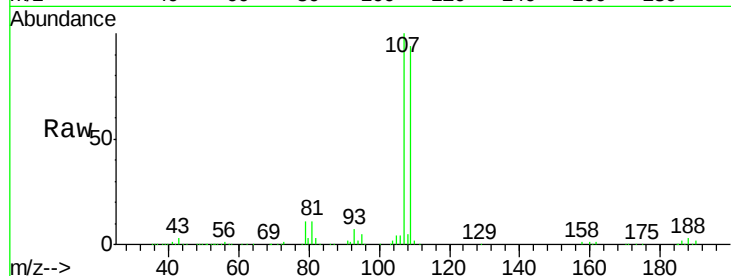
109 94.2 74.7 112.1

Manual Integrations

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MMDadoda

9/18/2019 11:22:19 AM



#62

4-Bromofluorobenzene

Concen: 71.023 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

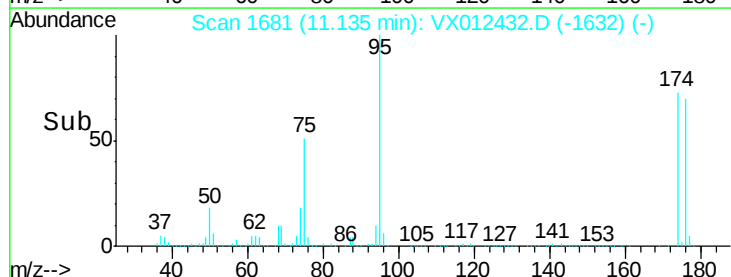
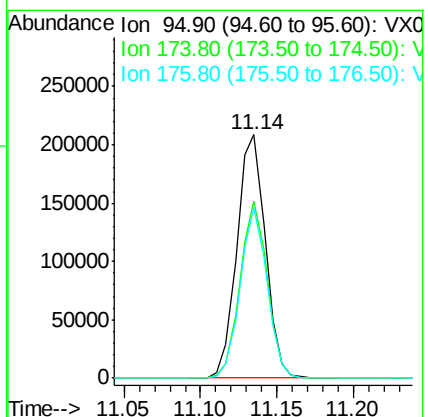
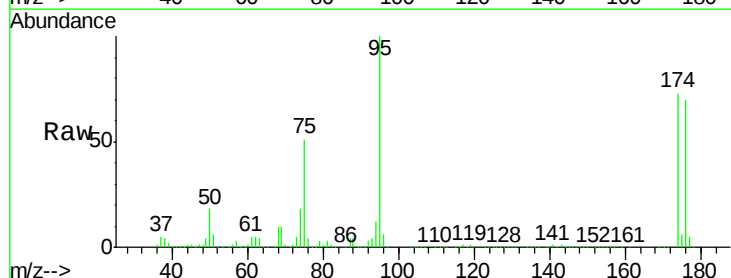
Tgt Ion: 95 Resp: 267981

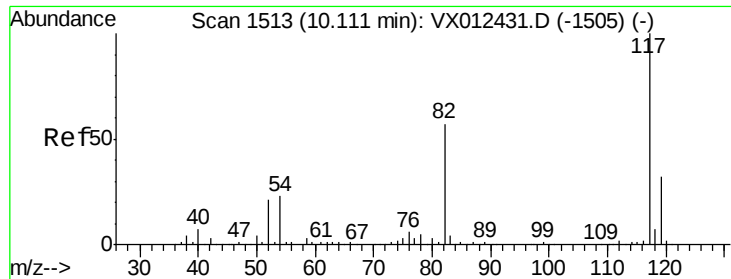
Ion Ratio Lower Upper

95 100

174 69.7 0.0 140.0

176 66.7 0.0 135.4





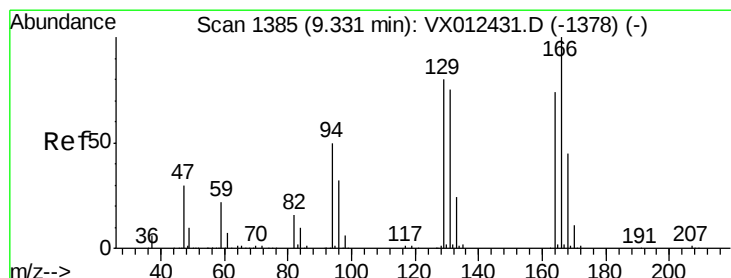
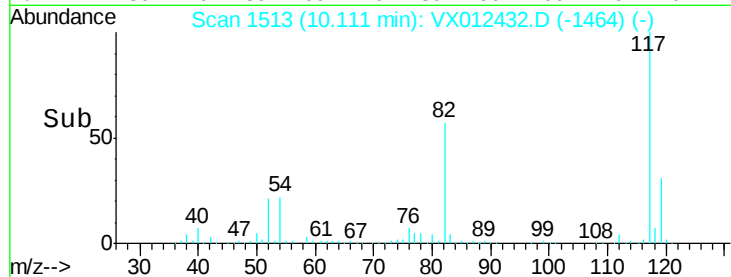
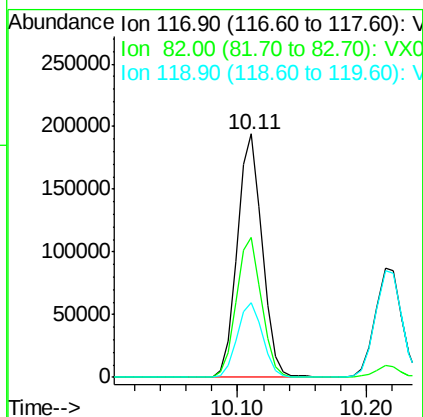
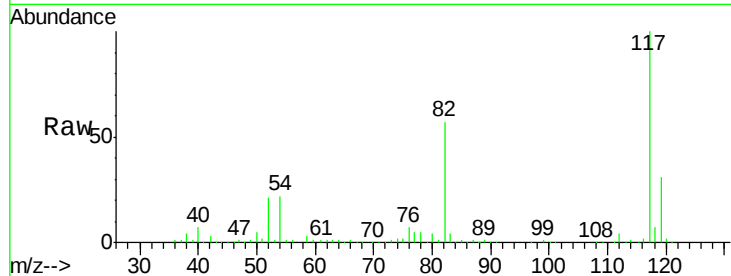
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	45.9	68.9
119	30.9	25.3	37.9

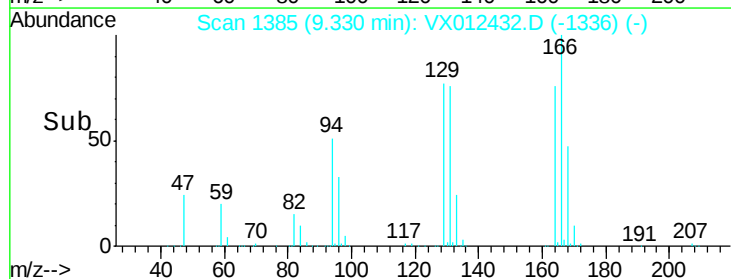
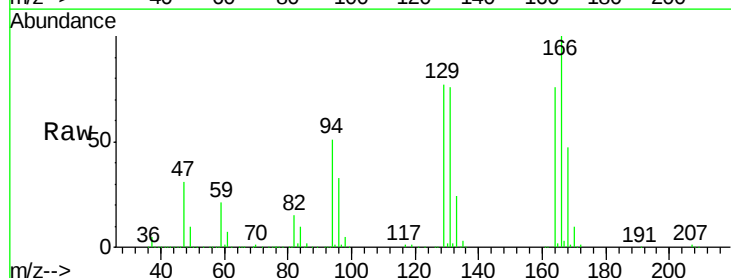
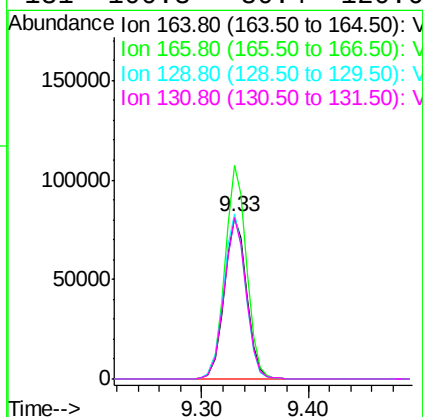
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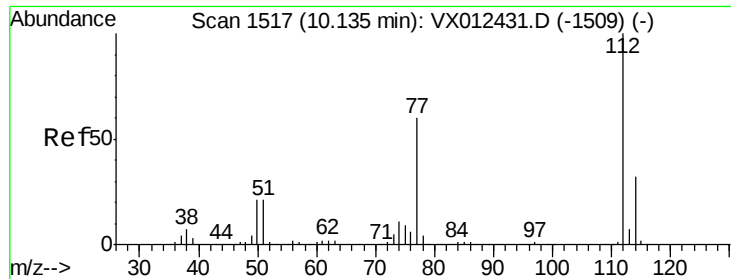
MMDadoda
9/18/2019 11:22:19 AM



#64
Tetrachloroethene
Concen: 72.917 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.4	107.8	161.6
129	102.6	86.2	129.2
131	100.3	80.4	120.6





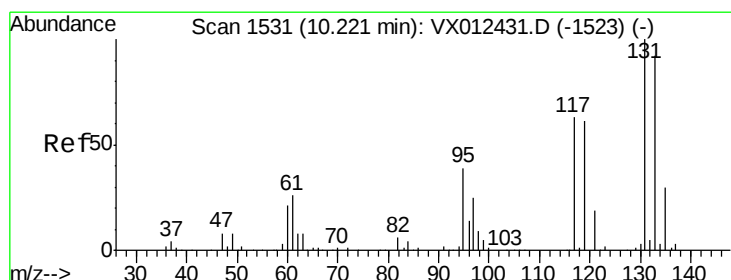
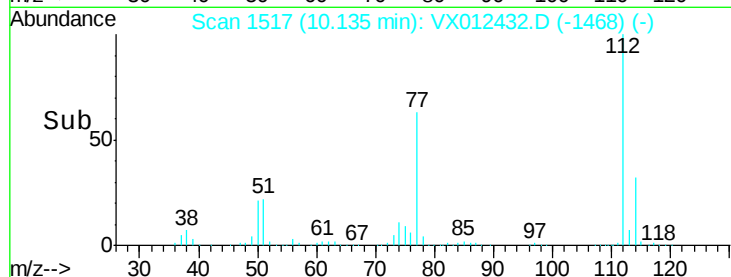
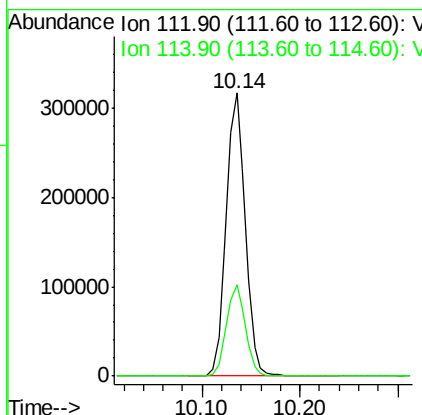
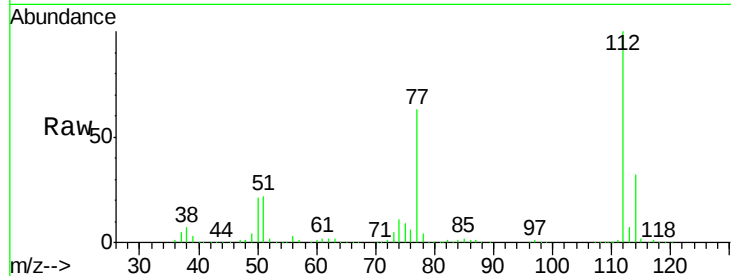
#65
Chlorobenzene
Concen: 74.994 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 430388
Ion Ratio Lower Upper
112 100
114 32.4 25.4 38.0

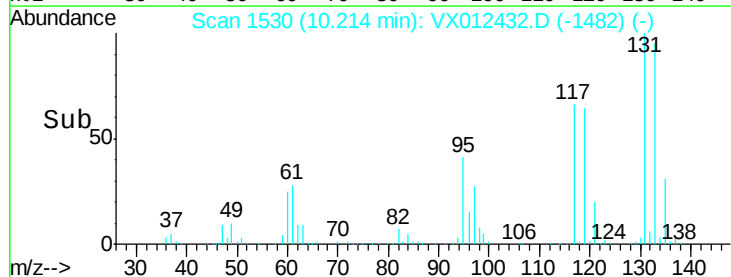
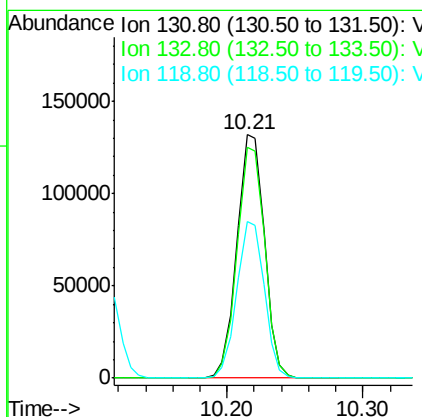
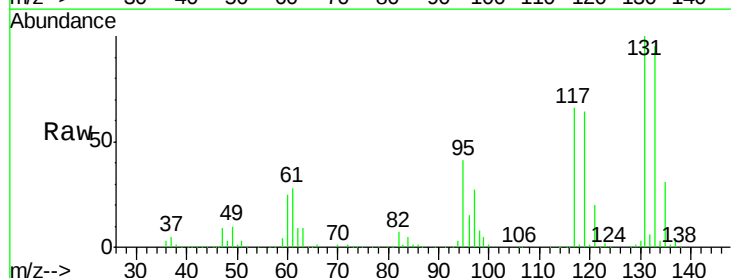
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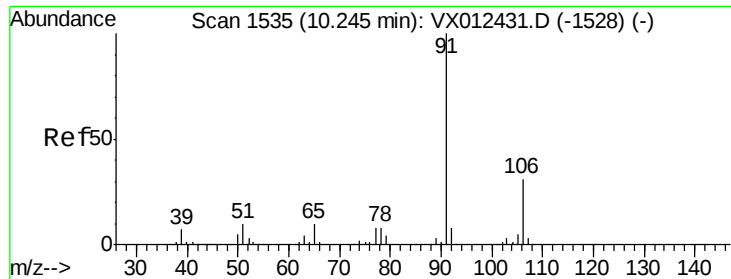
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 76.502 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Tgt Ion:131 Resp: 186115
Ion Ratio Lower Upper
131 100
133 95.1 47.6 142.9
119 64.3 31.3 93.8





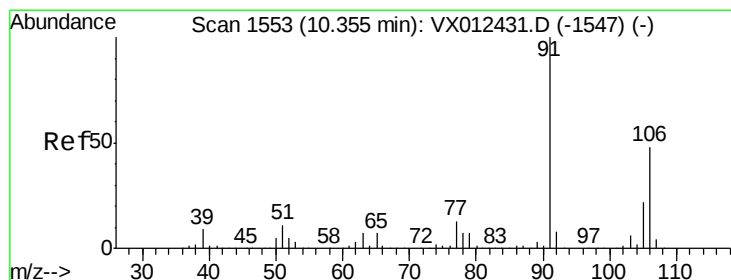
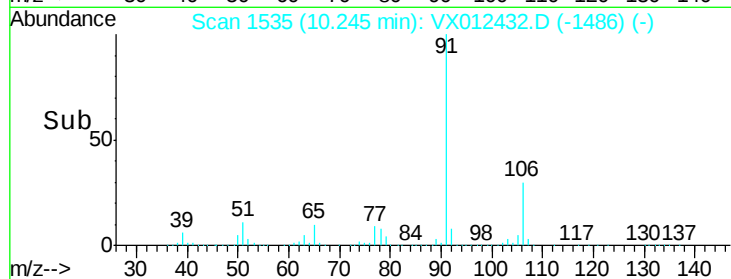
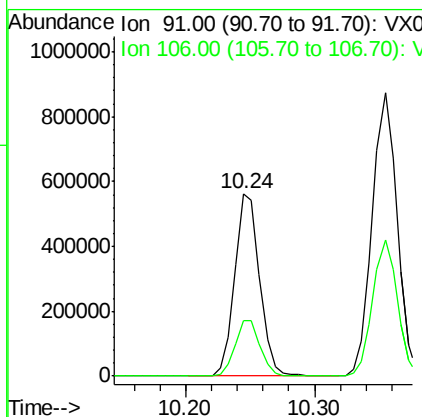
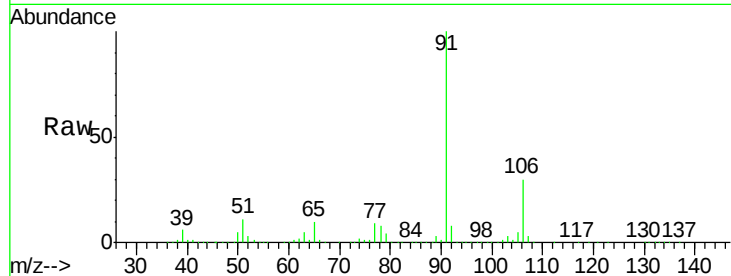
#67
Ethyl Benzene
Concen: 77.599 ug/l
RT: 10.24 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 762233
Ion Ratio Lower Upper
91 100
106 30.2 24.6 37.0

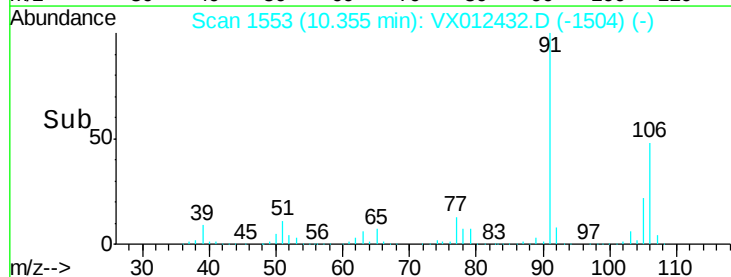
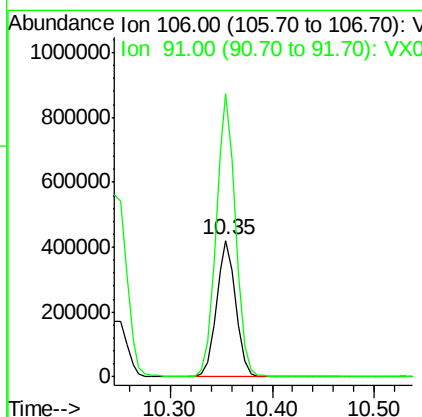
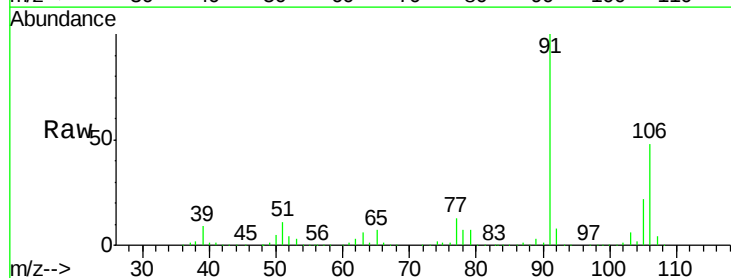
Manual Integrations
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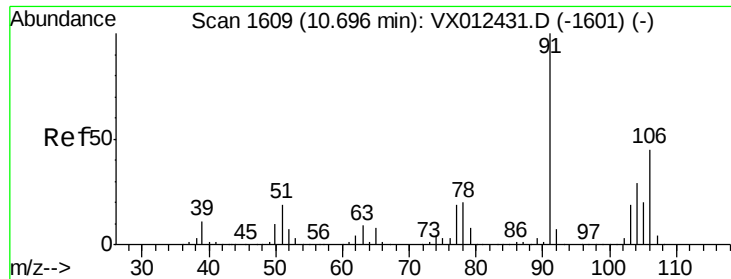
MMDadoda
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#68
m/p-Xylenes
Concen: 153.954 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Tgt Ion: 106 Resp: 557145
Ion Ratio Lower Upper
106 100
91 208.8 166.6 250.0





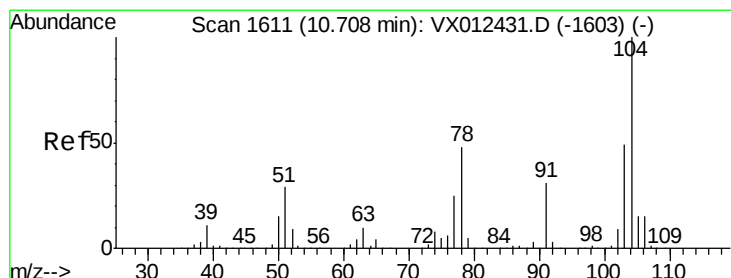
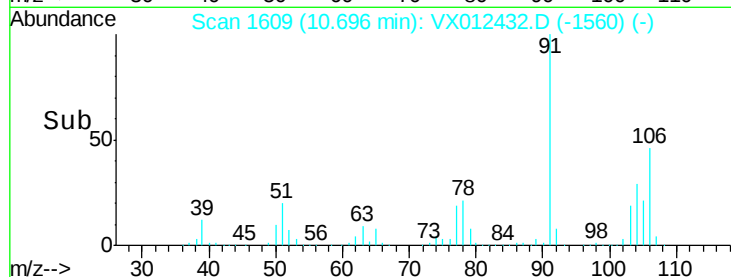
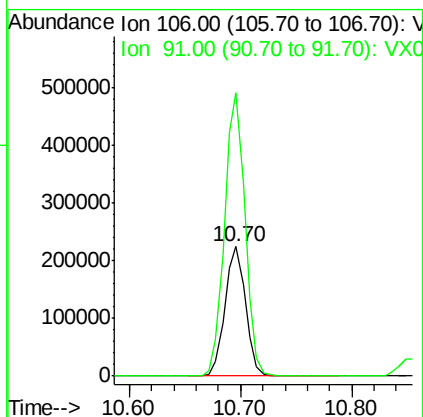
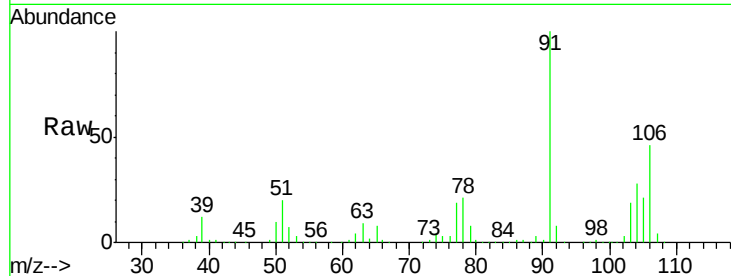
#69
o-Xylene
Concen: 75.962 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
106	100		
91	218.9	109.4	328.2

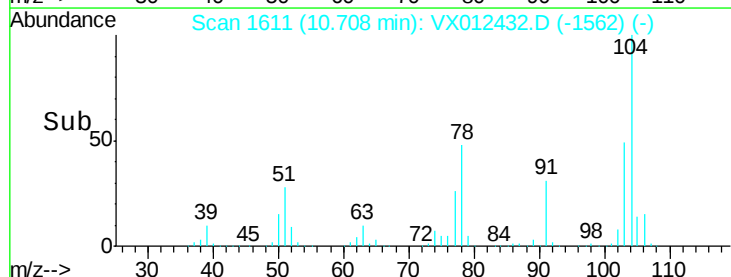
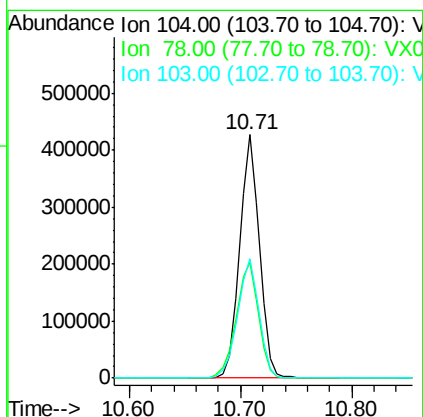
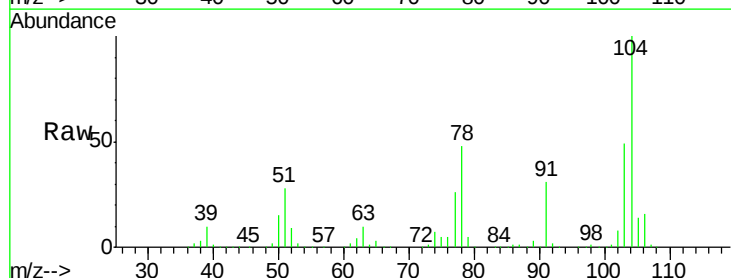
Manual Integrations
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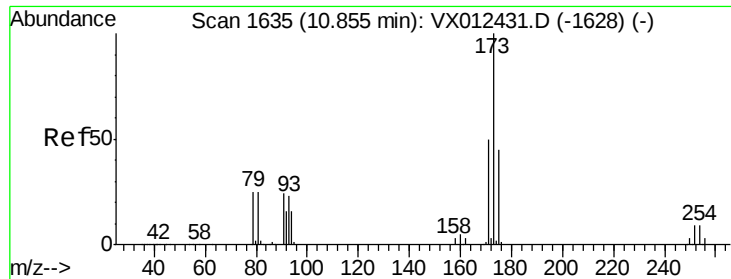
MMDadoda
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#70
Styrene
Concen: 80.651 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.5	43.4	65.2
103	53.4	43.3	64.9





#71

Bromoform

Concen: 83.492 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 155816

Ion Ratio Lower Upper

173 100

175 47.8 23.7 71.1

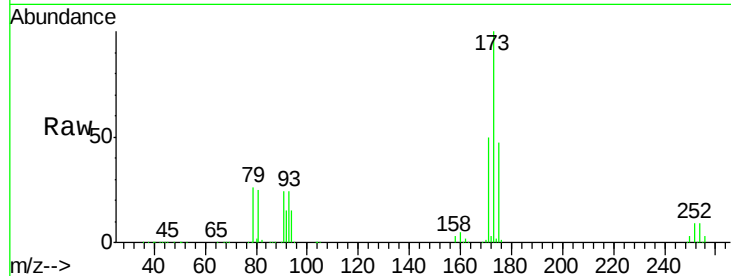
254 0.1 0.1 0.1

Manual Integrations

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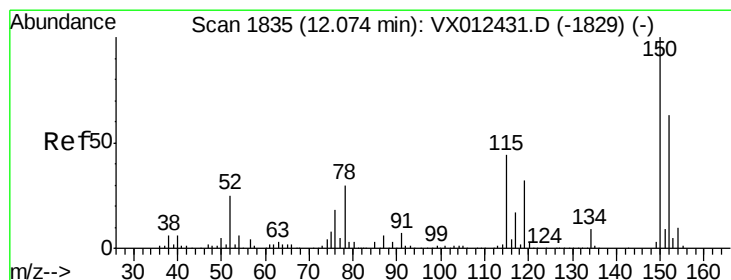
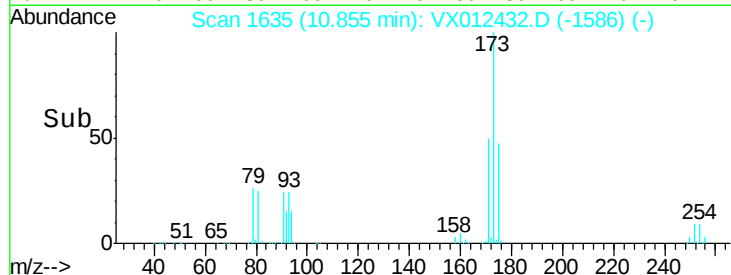
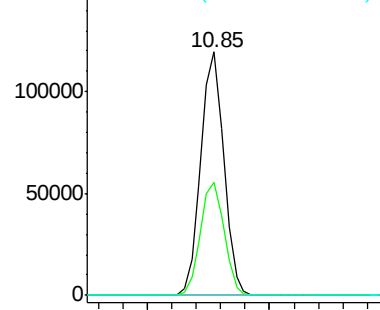
9/18/2019 11:22:19 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

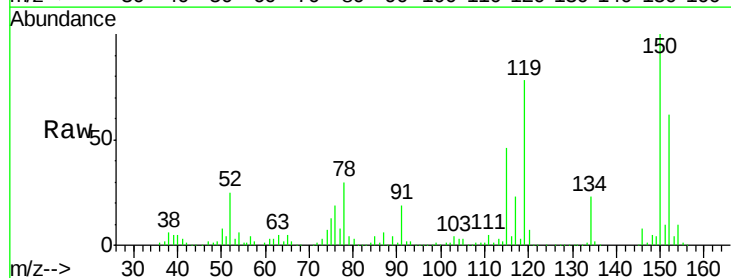
Tgt Ion:152 Resp: 129127

Ion Ratio Lower Upper

152 100

115 110.0 44.1 132.3

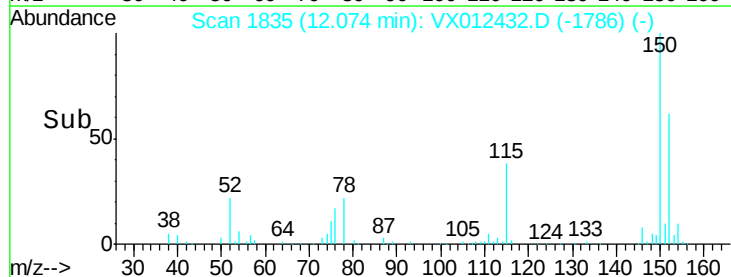
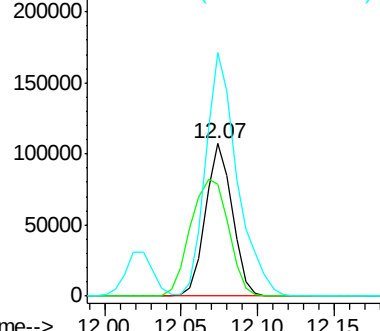
150 189.6 0.0 343.8



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





#73

Isopropylbenzene

Concen: 91.088 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 799440

Ion Ratio Lower Upper

105 100

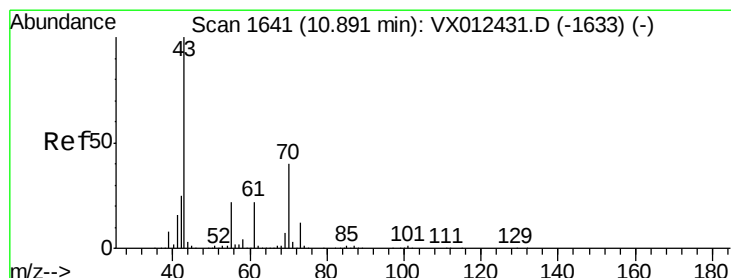
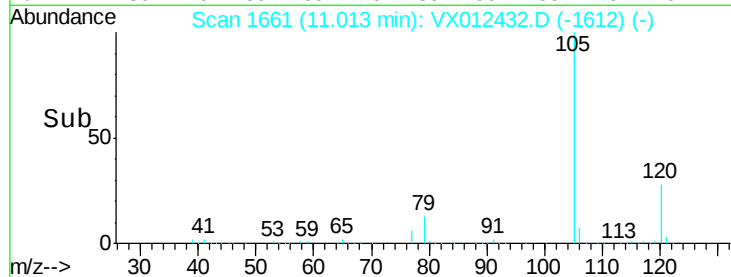
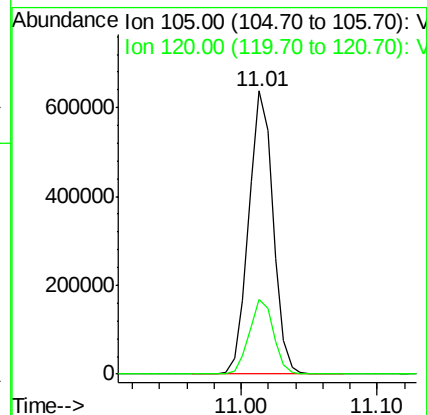
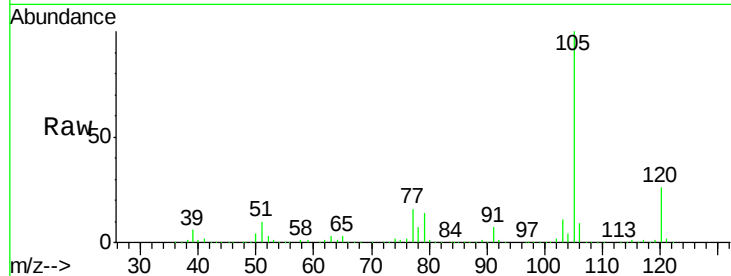
120 26.4 12.9 38.7

Manual Integrations

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9/18/2019 11:22:19 AM



#74

N-ethyl acetate

Concen: 98.747 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Tgt Ion: 43 Resp: 461732

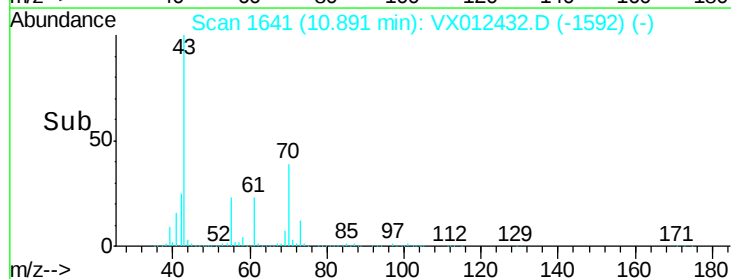
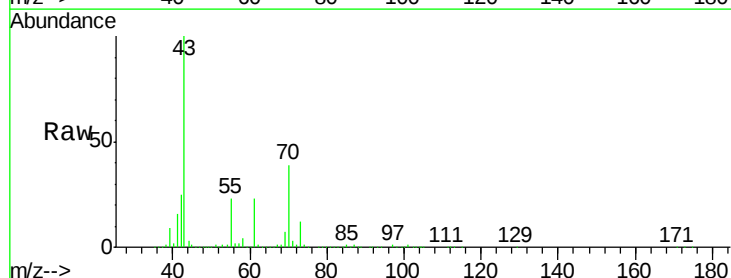
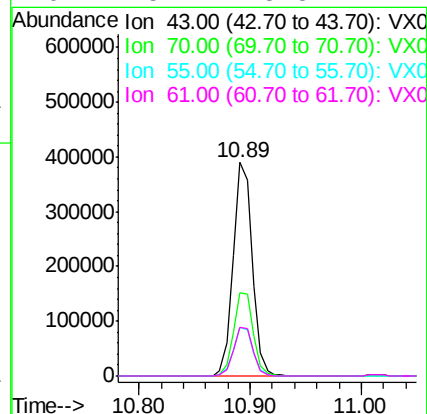
Ion Ratio Lower Upper

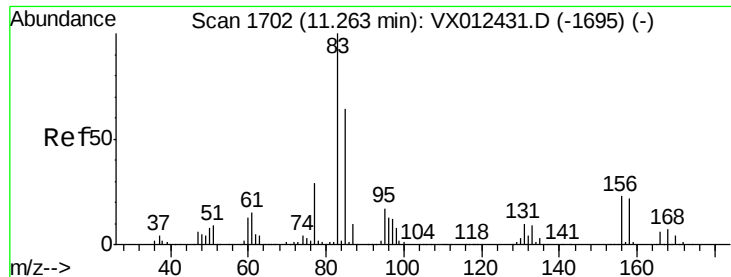
43 100

70 39.9 32.4 48.6

55 22.8 18.2 27.4

61 23.2 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 91.403 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Instrument :

MSVOA_X

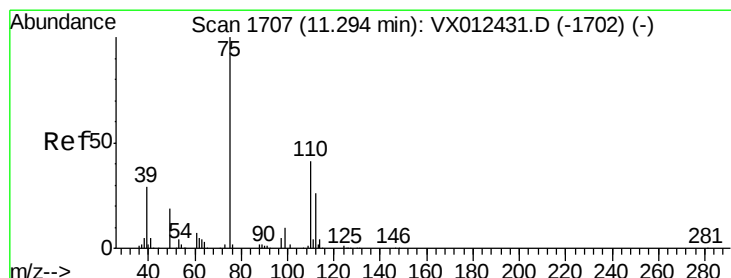
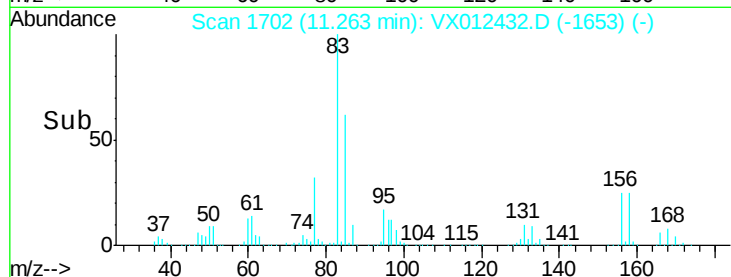
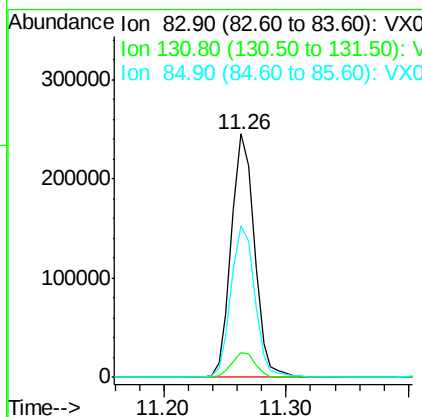
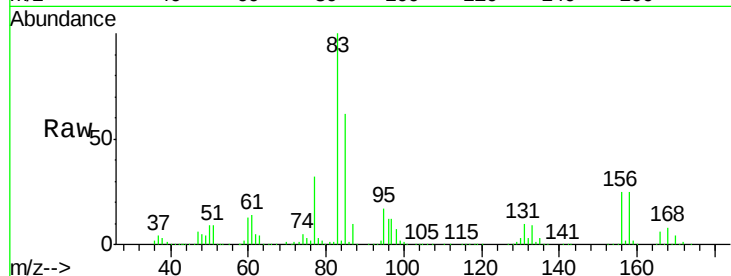
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	321402
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	64.0	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 92.717 ug/l m

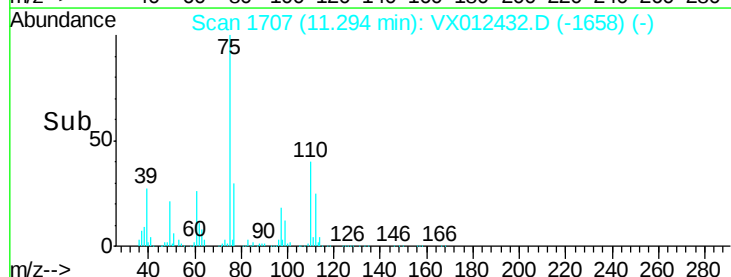
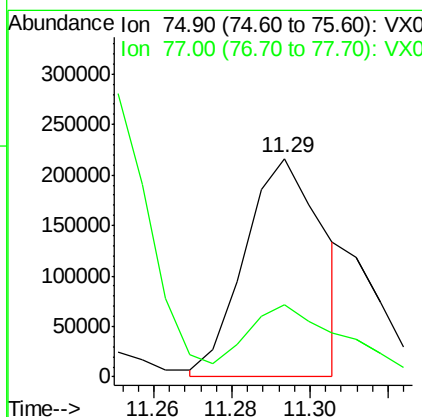
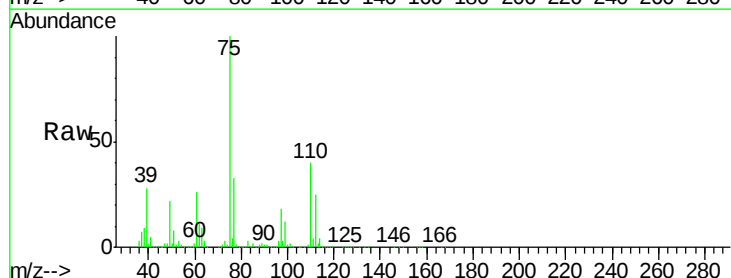
RT: 11.29 min Scan# 1707

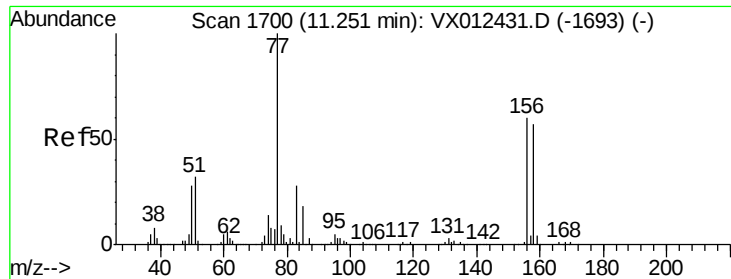
Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Tgt Ion:	75	Resp:	302723
Ion Ratio	Lower	Upper	
75	100		
77	40.6	19.7	59.0





#77

Bromobenzene

Concen: 88.063 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 197619

Ion Ratio Lower Upper

156 100

77 177.8 87.3 261.8

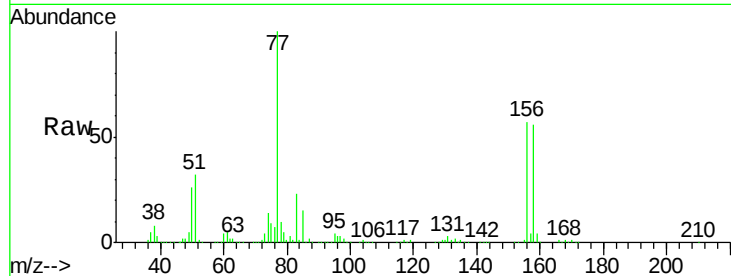
158 98.7 48.5 145.6

Manual Integrations

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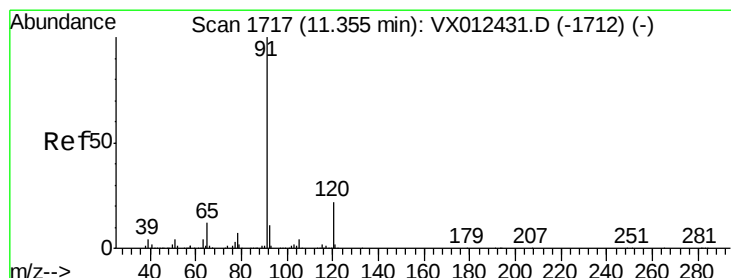
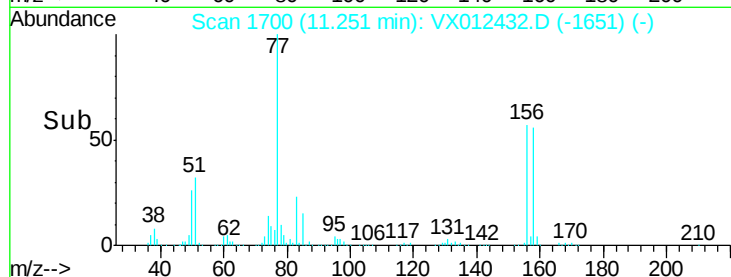
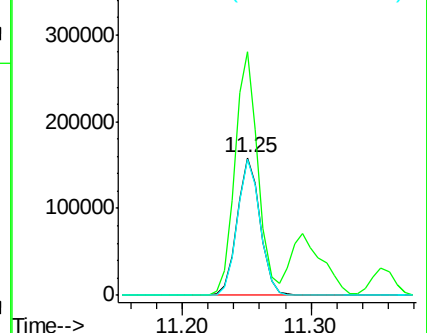
9/18/2019 11:22:19 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 93.036 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012432.D

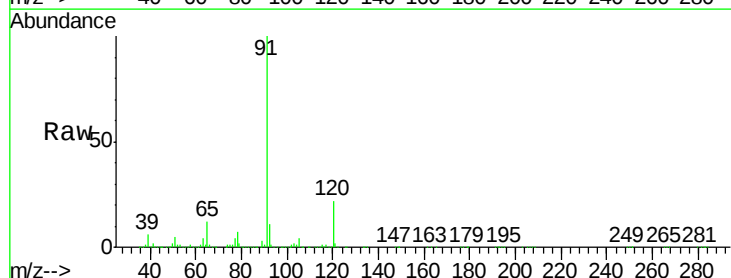
Acq: 17 Sep 2019 13:33

Tgt Ion: 91 Resp: 922103

Ion Ratio Lower Upper

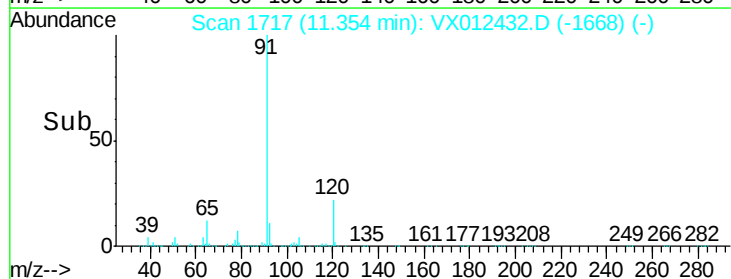
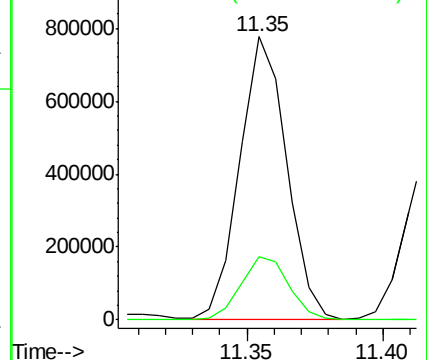
91 100

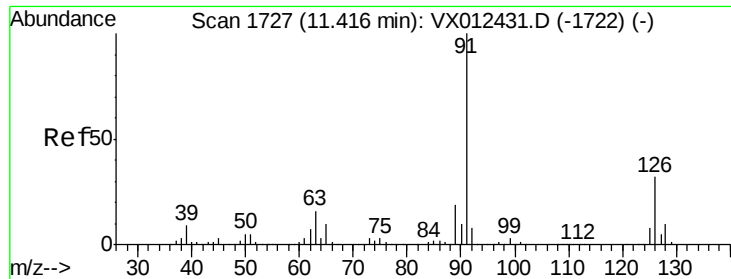
120 23.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 90.575 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 575290

Ion Ratio Lower Upper

91 100

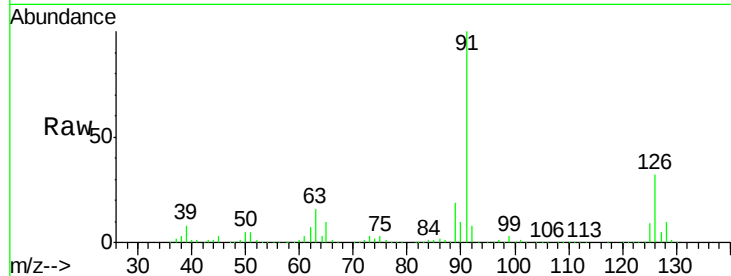
126 32.5 16.4 49.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX012431.D (-1722) (-)

Ion 125.90 (125.60 to 126.60): VX012431.D (-1722) (-)

800000

600000

400000

200000

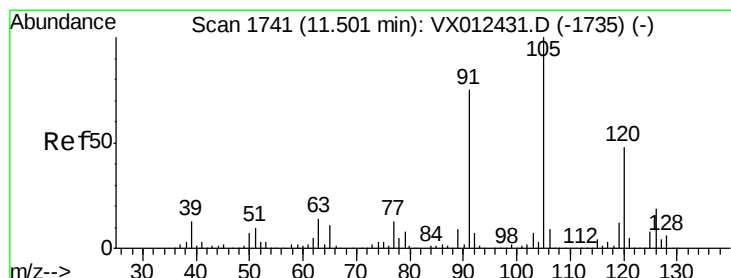
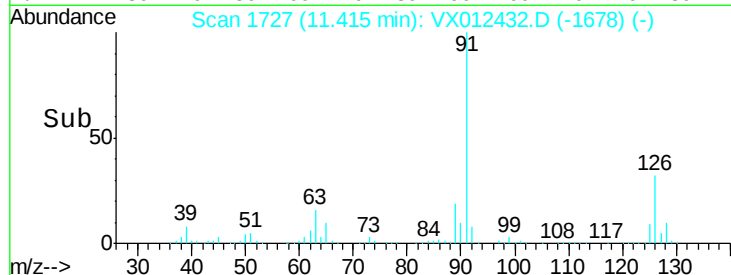
0

11.35

11.40

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 92.375 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012432.D

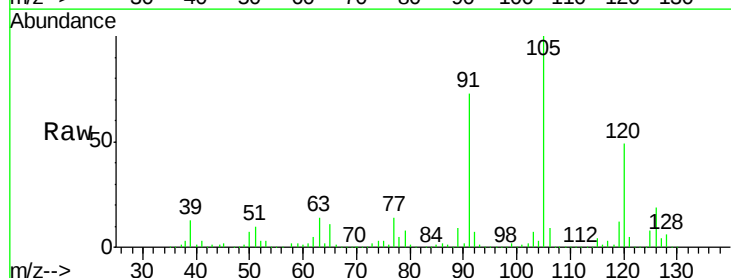
Acq: 17 Sep 2019 13:33

Tgt Ion: 105 Resp: 703973

Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VX012431.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX012431.D (-1735) (-)

600000

400000

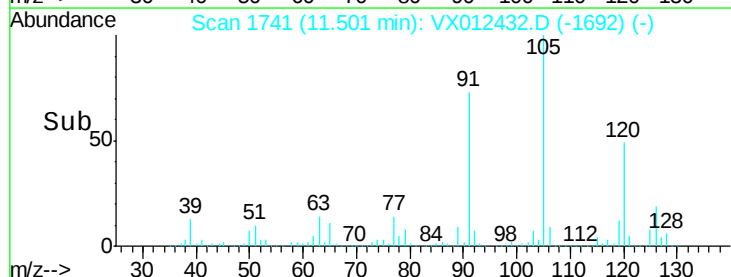
200000

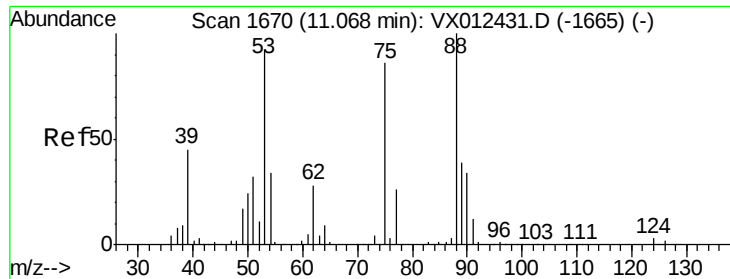
0

11.50

11.60

Time-->





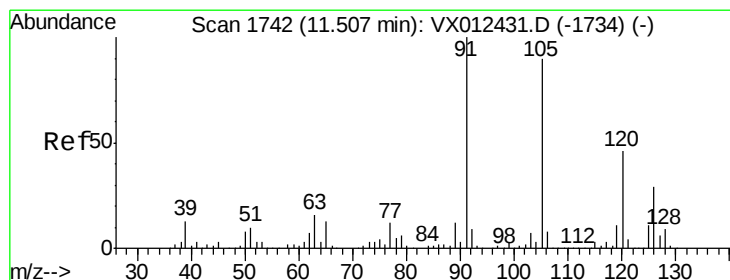
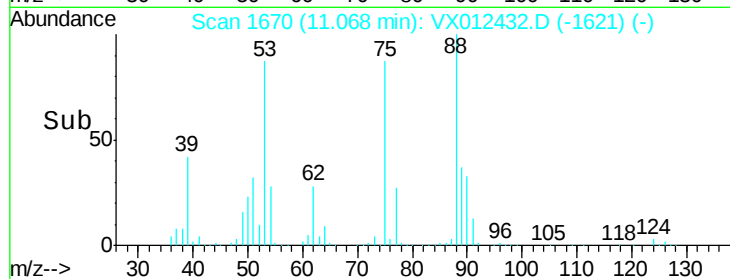
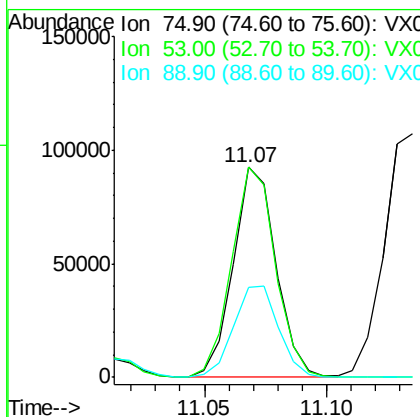
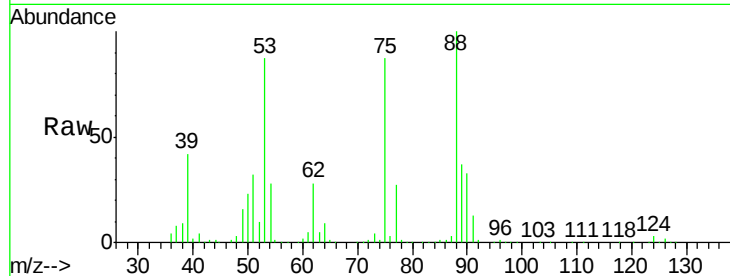
#81
trans-1,4-Dichloro-2-butene
Concen: 96.395 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.0	83.6	125.4
89	46.4	36.3	54.5

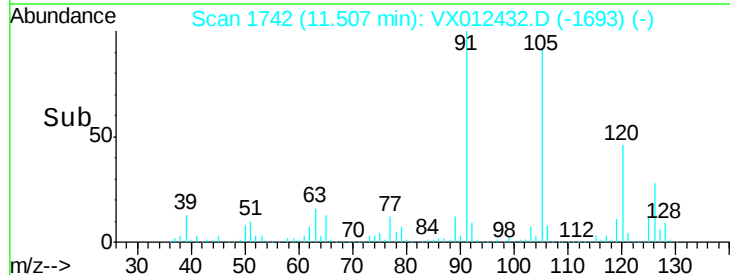
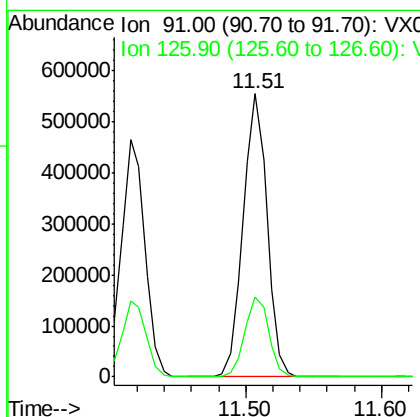
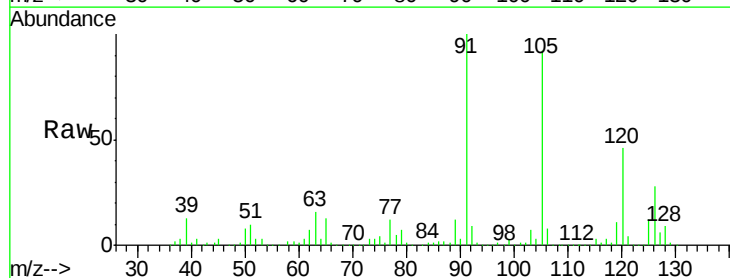
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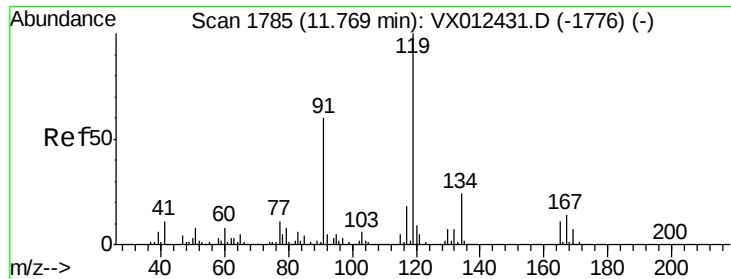
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#82
4-Chlorotoluene
Concen: 92.242 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.4	43.0





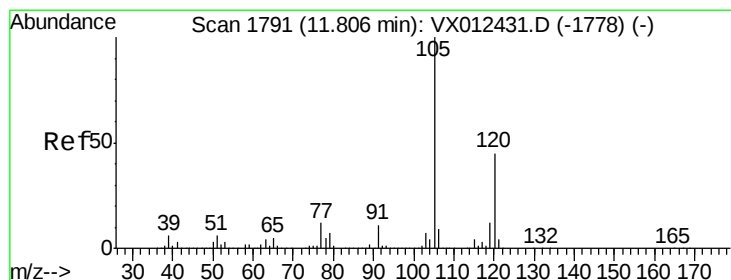
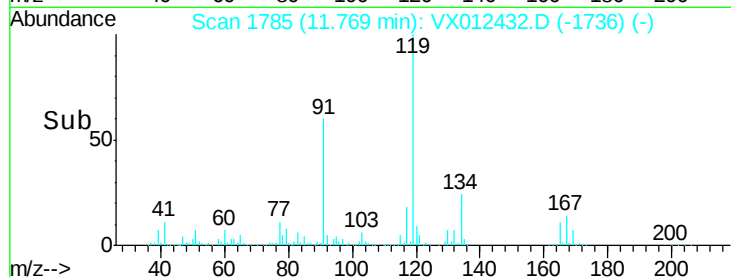
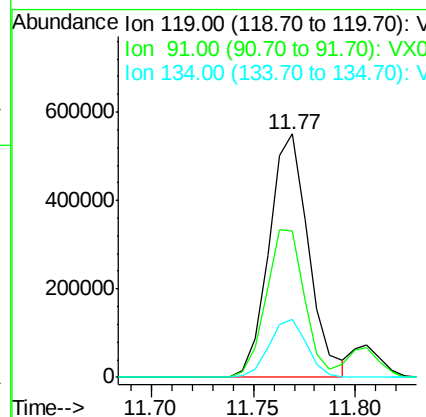
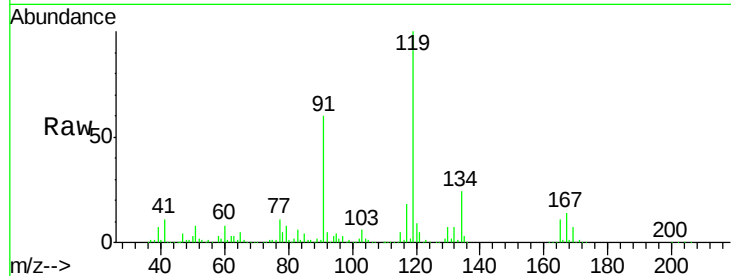
#83
 tert-Butylbenzene
 Concen: 92.034 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	743967		
91	59.1	30.0	90.0	
134	22.8	11.3	33.9	

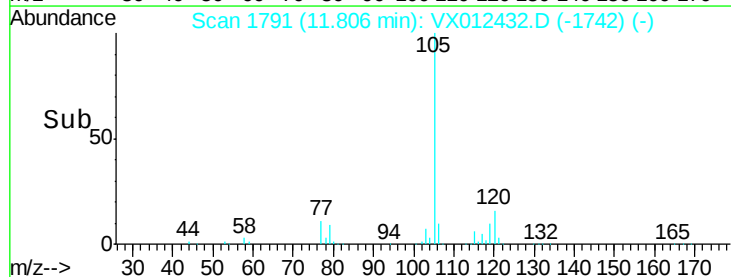
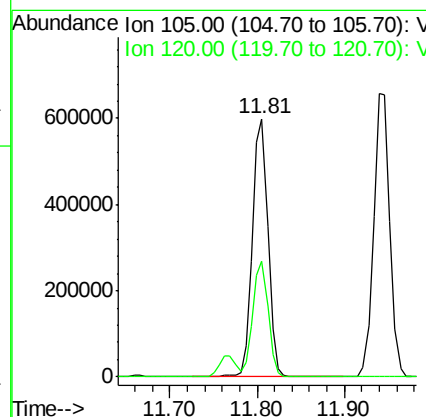
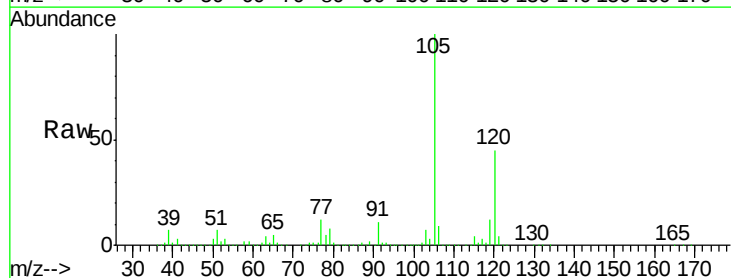
Manual Integrations
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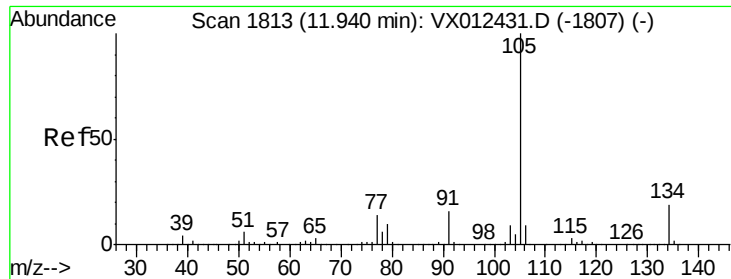
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 94.630 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	731609		
120	44.1	22.2	66.6	





#85

sec-Butylbenzene

Concen: 94.775 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 848250

Ion Ratio Lower Upper

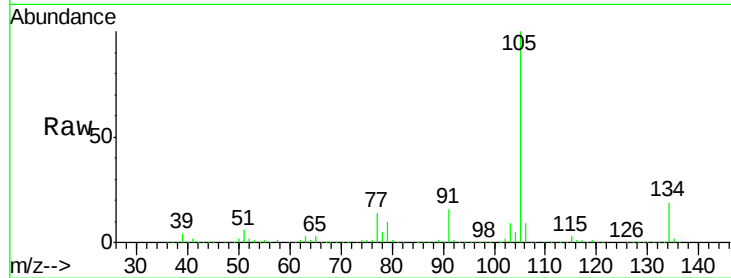
105 100

134 20.0 9.8 29.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

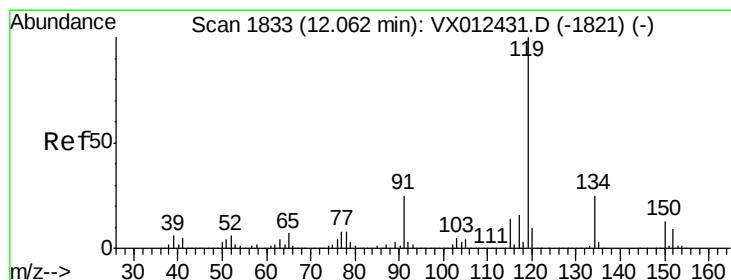
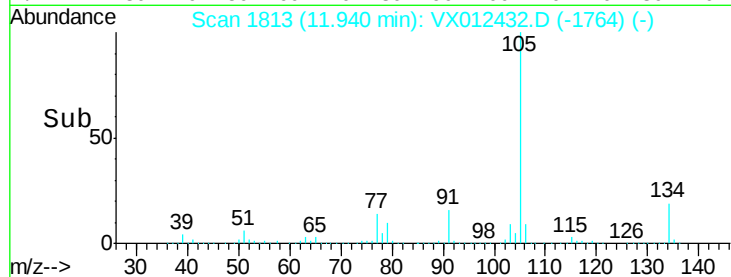
600000

400000

200000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 95.351 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

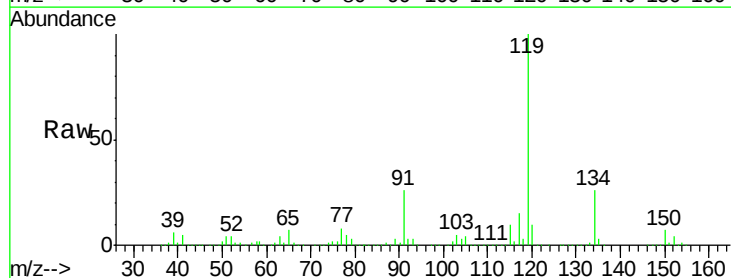
Tgt Ion:119 Resp: 780621

Ion Ratio Lower Upper

119 100

134 25.9 12.7 38.1

91 26.3 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.06

800000

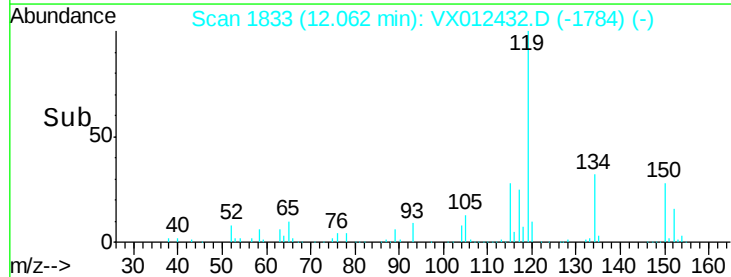
600000

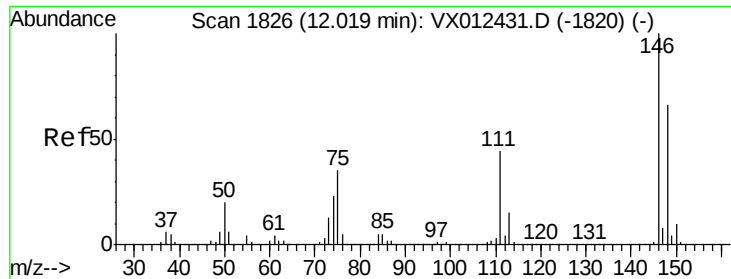
400000

200000

0

Time--> 12.00 12.10





#87

1,3-Dichlorobenzene

Concen: 91.620 ug/l

RT: 12.03 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Instrument :

MSVOA_X

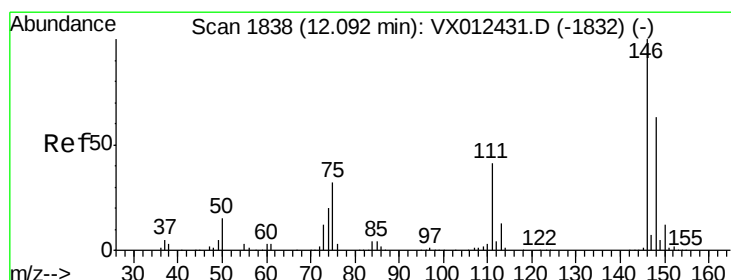
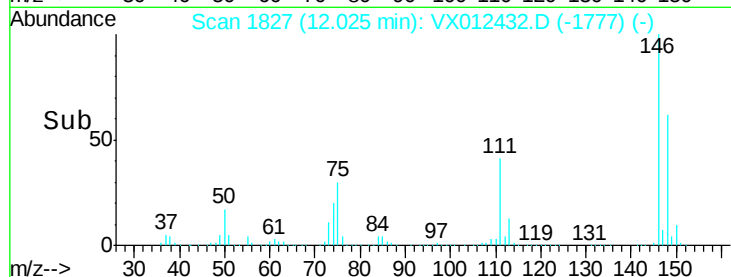
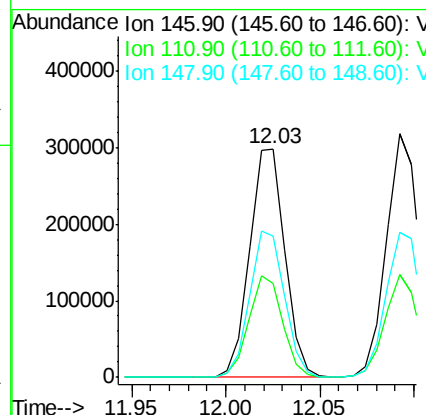
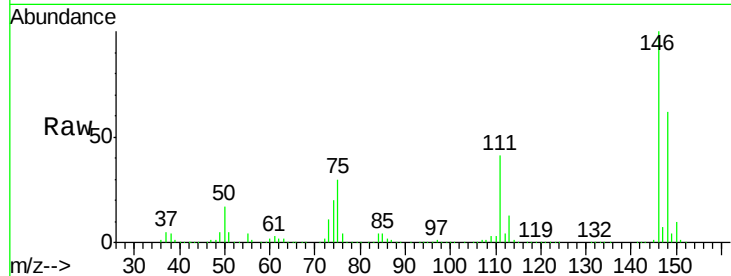
ClientSampled :

VSTDIC100

Tot Ion:	146	Resp:	386169
Ion Ratio	Lower	Upper	
146	100		
111	43.0	21.3	64.0
148	63.4	32.4	97.2

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#88

1,4-Dichlorobenzene

Concen: 91.171 ug/l

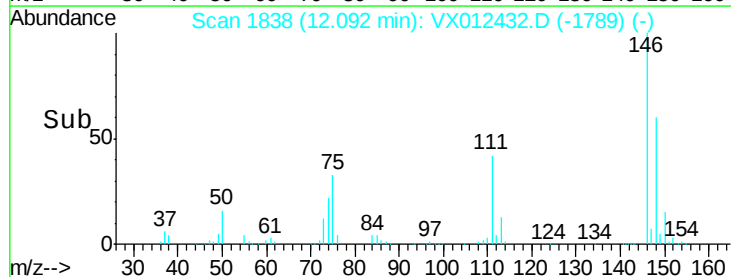
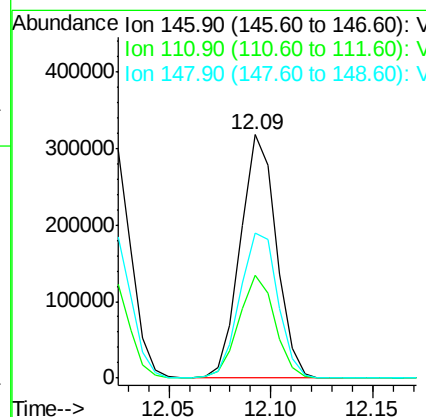
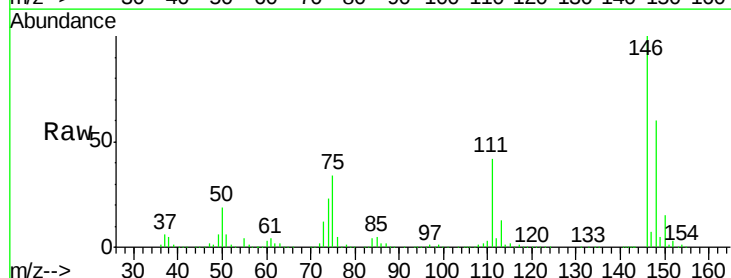
RT: 12.09 min Scan# 1838

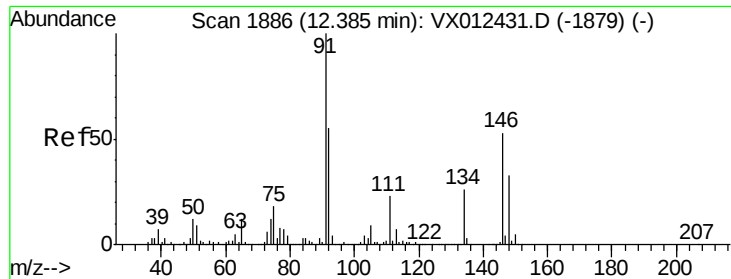
Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Tgt Ion:	146	Resp:	387983
Ion Ratio	Lower	Upper	
146	100		
111	42.3	21.1	63.3
148	63.5	32.1	96.5





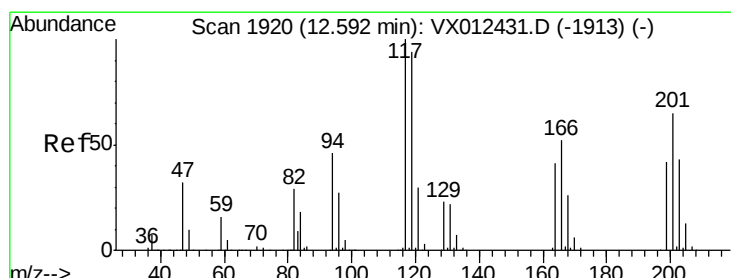
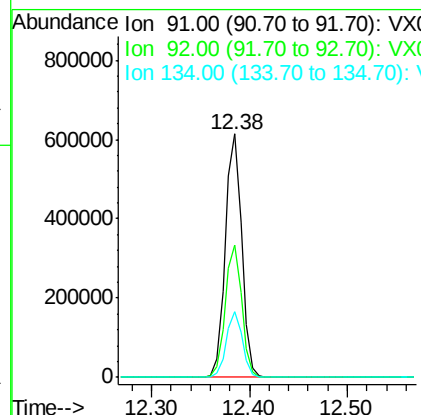
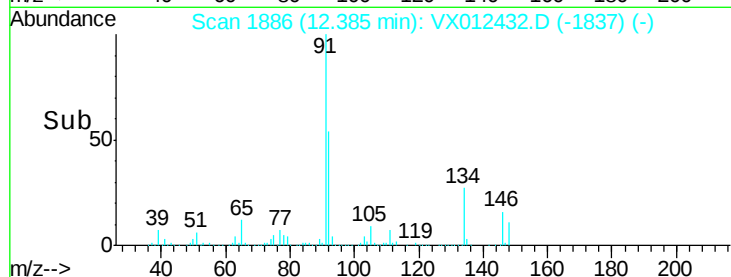
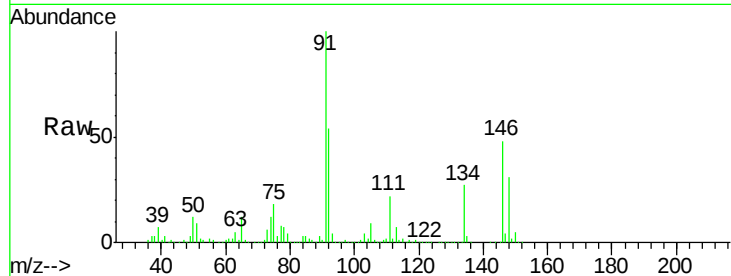
#89
n-Butylbenzene
Concen: 98.619 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.7	83.0
134	26.3	12.9	38.6

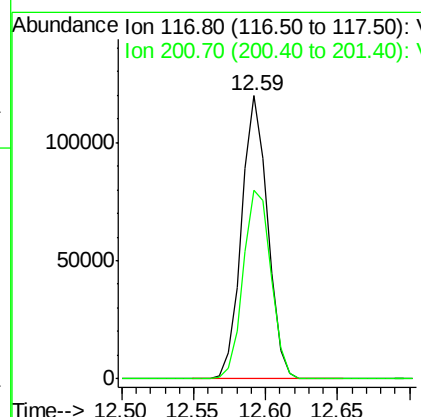
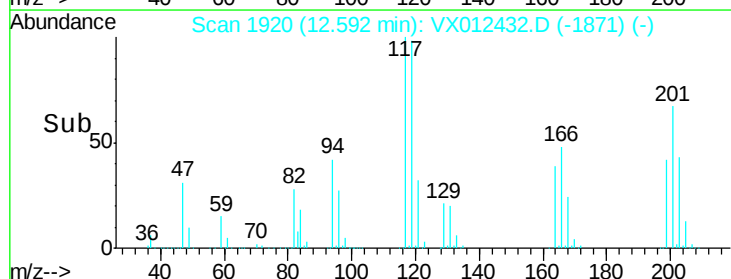
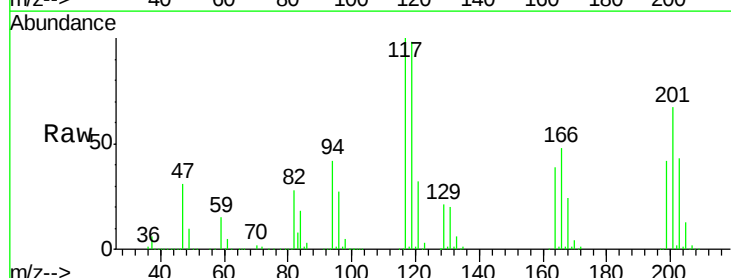
Manual Integrations
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9/18/2019 11:22:19 AM



#90
Hexachloroethane
Concen: 95.516 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.8	33.3	99.8





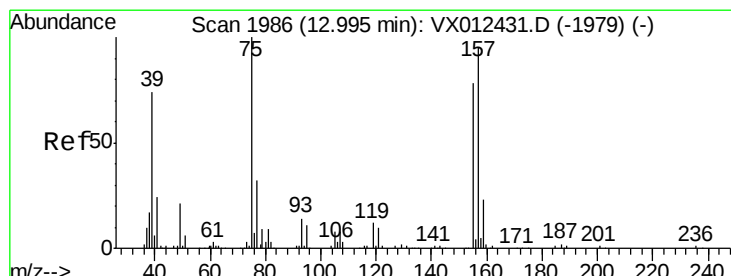
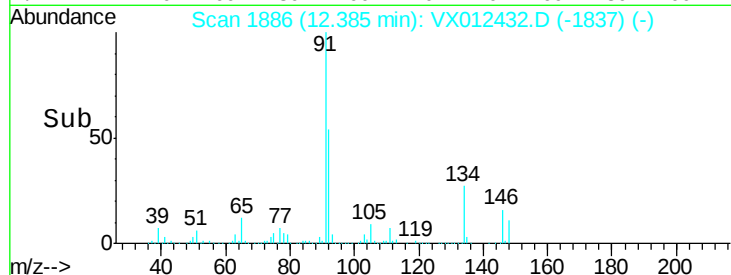
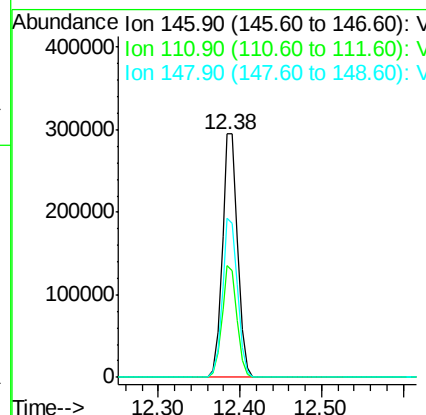
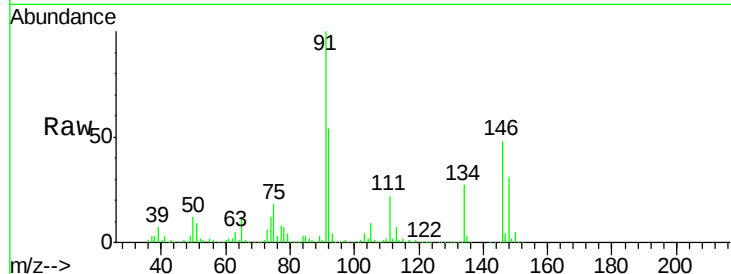
#91
 1,2-Dichlorobenzene
 Concen: 90.223 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.1	66.1
148	64.6	31.3	93.9

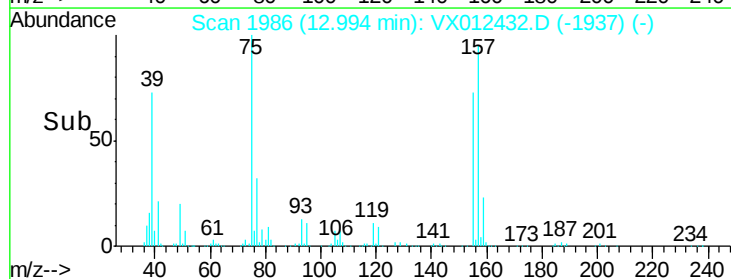
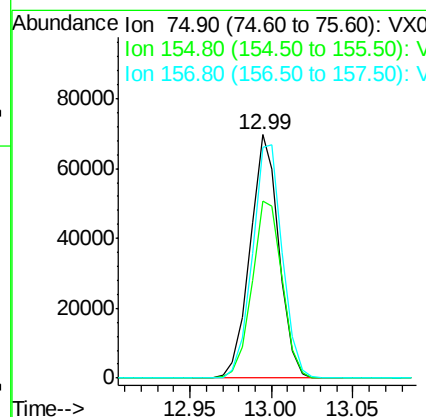
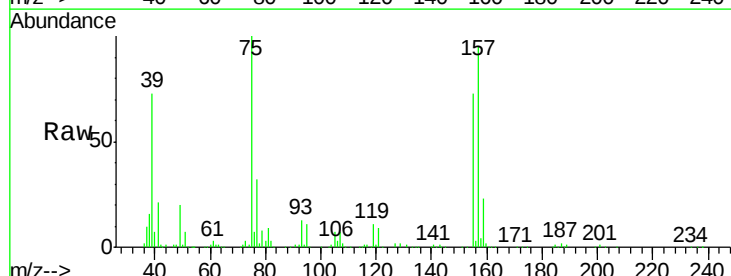
Manual Integrations
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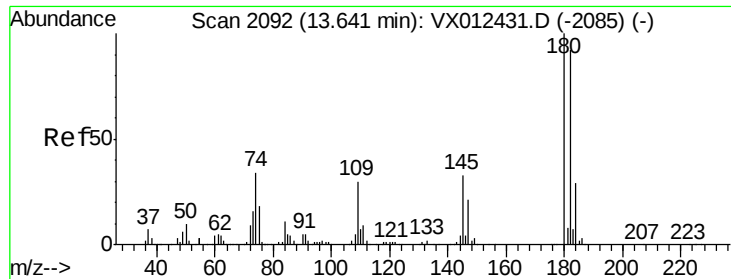
MMDadoda
 9/18/2019 11:22:19 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 92.110 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.1	38.6	115.8
157	99.7	50.6	151.9





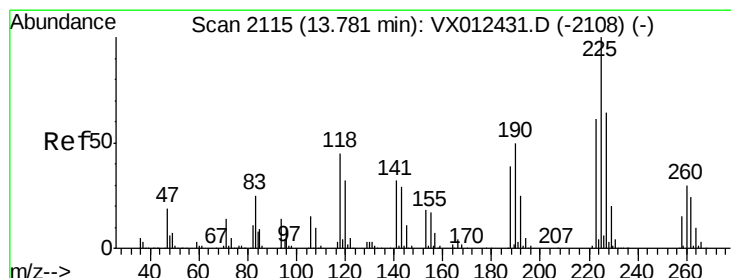
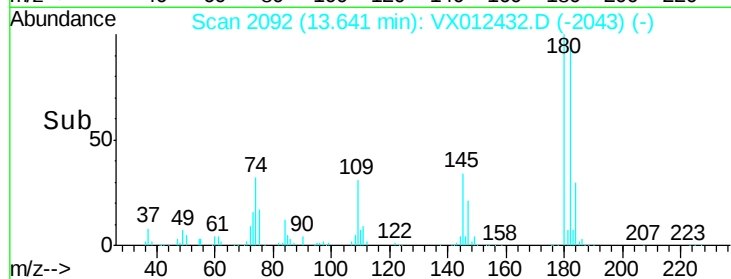
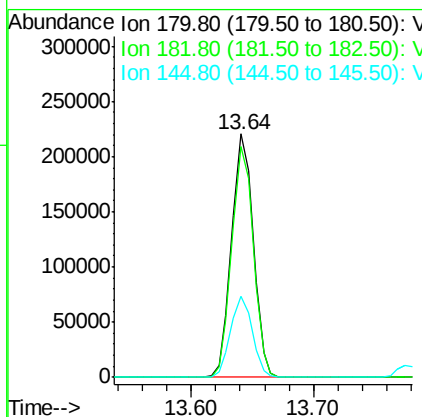
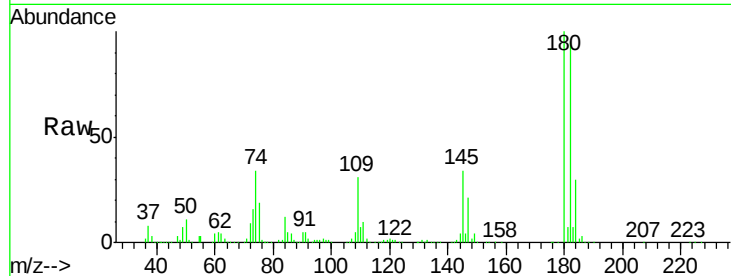
#93
 1,2,4-Trichlorobenzene
 Concen: 93.343 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	269004		
182	94.7	47.0	141.0	
145	33.2	16.8	50.4	

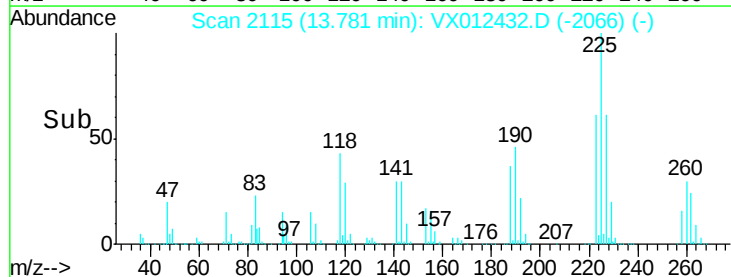
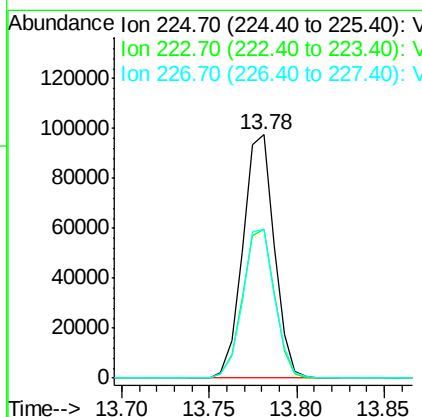
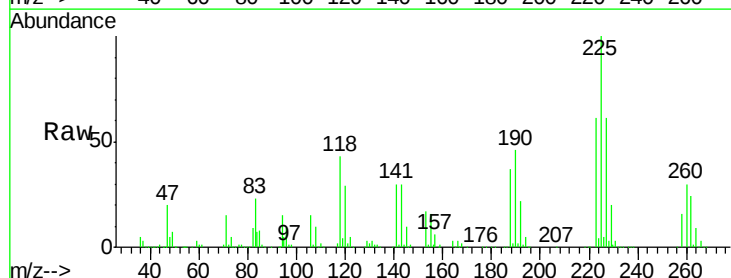
Manual Integrations
 APPROVED

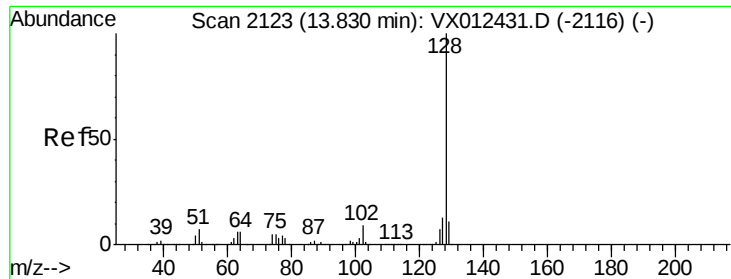
MMDadoda
 9/18/2019 11:22:19 AM



#94
 Hexachlorobutadiene
 Concen: 88.420 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	121829		
223	62.3	32.0	96.2	
227	62.0	31.9	95.5	





#95

Naphthalene

Concen: 96.762 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Instrument :

MSVOA_X

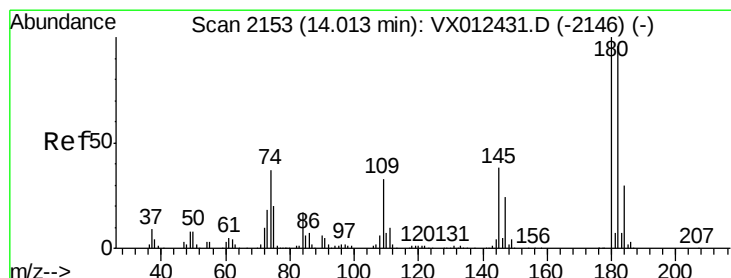
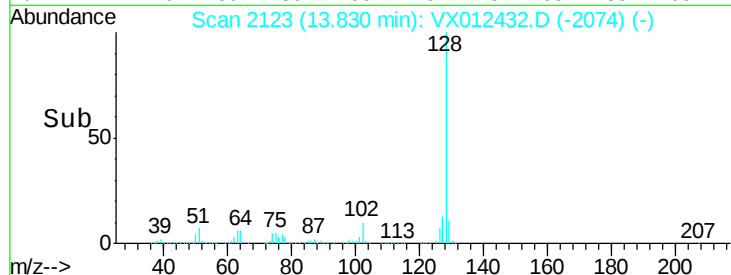
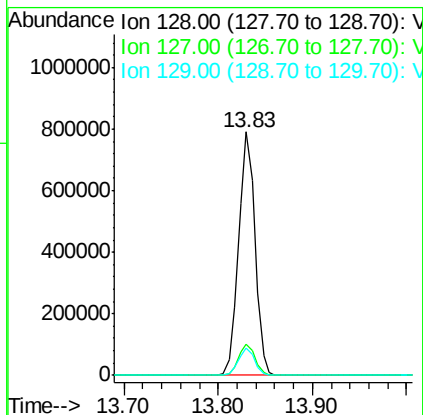
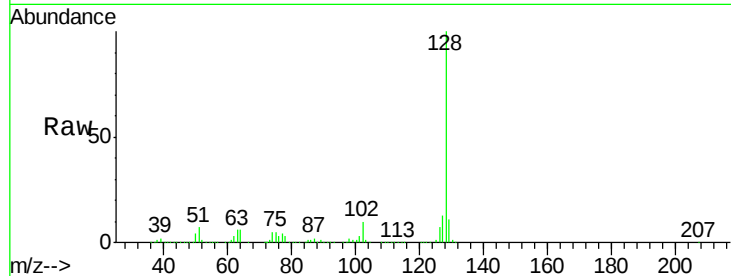
ClientSampleId :

VSTDICC100

Tot Ion:	128	Resp:	952413
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.4
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/18/2019 11:22:19 AM



#96

1,2,3-Trichlorobenzene

Concen: 92.627 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. 0.01 min

Lab File: VX012432.D

Acq: 17 Sep 2019 13:33

Tgt Ion:	180	Resp:	265686
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.1	141.3
145	36.0	18.0	54.0

