

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071219\
 Data File : VX010848.D
 Acq On : 12 Jul 2019 19:56
 Operator : JC/SP
 Sample : K3786-04MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0583MSD

Manual Integrations
 APPROVED

MMDadoda
 7/15/2019 11:01:07 AM

Quant Time: Jul 13 04:49:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	237834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	358360	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	335180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176058	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	102840	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	
35) Dibromofluoromethane	5.50	113	97542	44.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.98%	
50) Toluene-d8	8.71	98	349547	41.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.34%	
62) 4-Bromofluorobenzene	11.13	95	136881	45.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	81013	48.995	ug/l	98
3) Chloromethane	1.32	50	83523	43.380	ug/l	98
4) Vinyl Chloride	1.41	62	92002	43.626	ug/l	98
5) Bromomethane	1.64	94	44577	43.388	ug/l	96
6) Chloroethane	1.71	64	63396	50.953	ug/l	97
7) Trichlorofluoromethane	1.93	101	162845	48.711	ug/l	98
8) Diethyl Ether	2.19	74	57147	47.667	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	91463	45.146	ug/l	97
10) Methyl Iodide	2.51	142	103268	35.717	ug/l	97
11) Tert butyl alcohol	3.05	59	111738	191.496	ug/l	98
12) 1,1-Dichloroethene	2.37	96	91897	44.578	ug/l	99
13) Acrolein	2.29	56	91628	236.716	ug/l	98
14) Allyl chloride	2.73	41	131595	44.963	ug/l	97
15) Acrylonitrile	3.14	53	272830	236.162	ug/l	99
16) Acetone	2.45	43	218536	195.545	ug/l	97
17) Carbon Disulfide	2.57	76	218547	39.515	ug/l	99
18) Methyl Acetate	2.78	43	93195	41.840	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	300524	46.339	ug/l	97
20) Methylene Chloride	2.85	84	103317	44.922	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	96366	43.464	ug/l	95
22) Diisopropyl ether	3.85	45	285305	46.625	ug/l	95
23) Vinyl Acetate	3.81	43	1132445	214.224	ug/l	98
24) 1,1-Dichloroethane	3.70	63	163340	46.179	ug/l	99
25) 2-Butanone	4.67	43	362950	221.400	ug/l	99
26) 2,2-Dichloropropane	4.59	77	107217	34.894	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	113953	44.476	ug/l	99
28) Bromochloromethane	5.01	49	71181	42.091	ug/l	95
29) Tetrahydrofuran	5.13	42	236191	232.605	ug/l	98
30) Chloroform	5.21	83	174144	45.759	ug/l	99
31) Cyclohexane	5.58	56	149563	46.434	ug/l	93
32) 1,1,1-Trichloroethane	5.50	97	153913	45.802	ug/l	100
36) 1,1-Dichloropropene	5.80	75	125609	44.109	ug/l	99
37) Ethyl Acetate	4.84	43	125337	42.783	ug/l	98
38) Carbon Tetrachloride	5.79	117	132620	43.007	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	159027	42.484	ug/l	97
40) Benzene	6.14	78	400185	45.106	ug/l	99
41) Methacrylonitrile	5.04	41	76918	47.851	ug/l	98
42) 1,2-Dichloroethane	6.20	62	134434	49.778	ug/l	98
43) Isopropyl Acetate	6.45	43	209102	43.140	ug/l	98
44) Trichloroethene	7.21	130	112274	42.292	ug/l	97
45) 1,2-Dichloropropane	7.51	63	100640	44.920	ug/l	97
46) Dibromomethane	7.66	93	72718	45.238	ug/l	97
47) Bromodichloromethane	7.90	83	132020	44.815	ug/l	99
48) Methyl methacrylate	7.77	41	108235	48.041	ug/l	97
49) 1,4-Dioxane	7.74	88	53220	820.006	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	751116	242.298	ug/l	97
52) Toluene	8.78	92	259284	44.379	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	137924	41.761	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	151853	42.309	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	110061	45.676	ug/l	98
56) Ethyl methacrylate	9.18	69	167691	45.940	ug/l	95
57) 1,3-Dichloropropane	9.37	76	171689	45.901	ug/l	98
59) 2-Hexanone	9.49	43	578702	237.194	ug/l	98
60) Dibromochloromethane	9.58	129	116685	43.250	ug/l	100
61) 1,2-Dibromoethane	9.67	107	116515	44.798	ug/l	99
64) Tetrachloroethene	9.34	164	101873	37.577	ug/l	99
65) Chlorobenzene	10.13	112	294259	43.243	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	108423	43.743	ug/l	100
67) Ethyl Benzene	10.25	91	965264	84.024	ug/l	98
68) m/p-Xylenes	10.36	106	499598	112.236	ug/l	98
69) o-Xylene	10.69	106	195238	44.601	ug/l	98
70) Styrene	10.71	104	334552	45.572	ug/l	98
71) Bromoform	10.85	173	89134	41.352	ug/l	100
73) Isopropylbenzene	11.02	105	554973	46.501	ug/l	98
74) N-amyl acetate	10.90	43	187716	41.619	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	177809	44.988	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	140959m	43.937	ug/l	
77) Bromobenzene	11.26	156	139515	41.865	ug/l	97
78) n-propylbenzene	11.36	91	607268	46.298	ug/l	99
79) 2-Chlorotoluene	11.42	91	345077	44.181	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	440905	44.814	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	46257	33.636	ug/l	89
82) 4-Chlorotoluene	11.51	91	399338	44.932	ug/l	99
83) tert-Butylbenzene	11.77	119	441188	44.678	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	693329	70.141	ug/l	99
85) sec-Butylbenzene	11.94	105	515518	44.463	ug/l	99
86) p-Isopropyltoluene	12.06	119	474754	44.268	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	251745	43.277	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	250611	42.318	ug/l	99
89) n-Butylbenzene	12.38	91	411711	45.178	ug/l	100
90) Hexachloroethane	12.60	117	77373	41.724	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	252637	43.698	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37185	43.636	ug/l	89
93) 1,2,4-Trichlorobenzene	13.65	180	170511	42.529	ug/l	98

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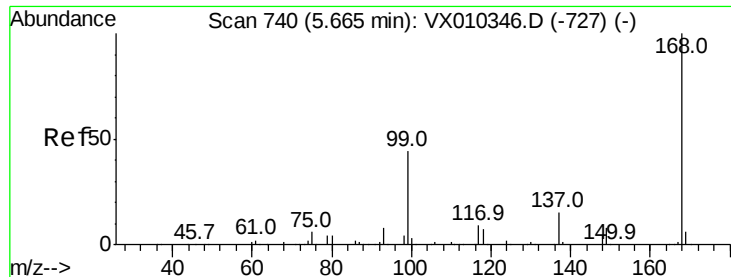
Manual Integrations
APPROVED

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7/15/2019 11:01:07 AM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	81304	41.492	ug/l	98
95) Naphthalene	13.83	128	647272	52.535	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	173926	43.631	ug/l	99

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



#1

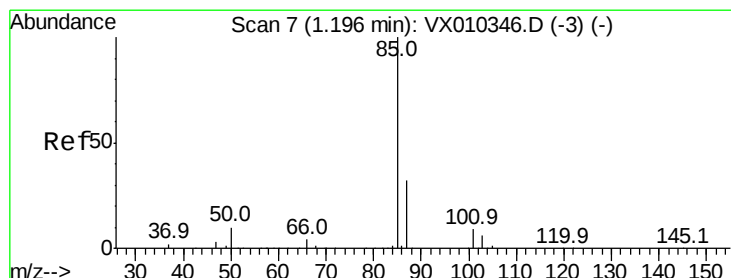
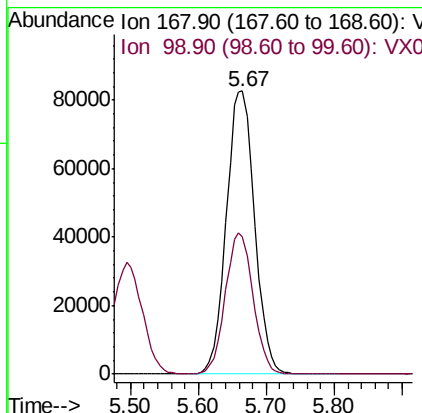
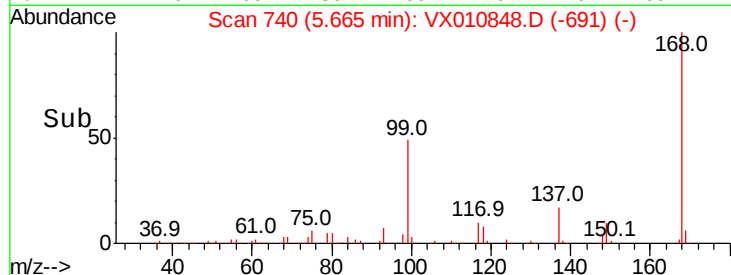
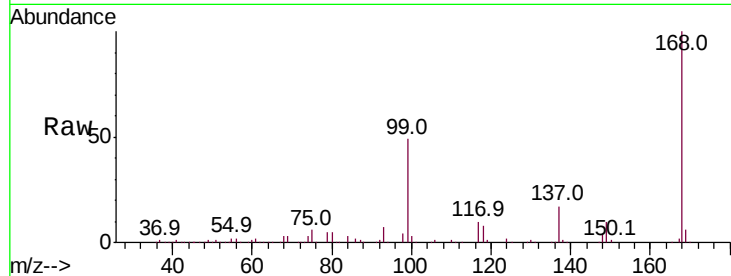
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.00 min
 Lab File: VX010848.D
 Acq: 12 Jul 2019 19:56

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0583MSD

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.4	35.5	53.3

Manual Integrations
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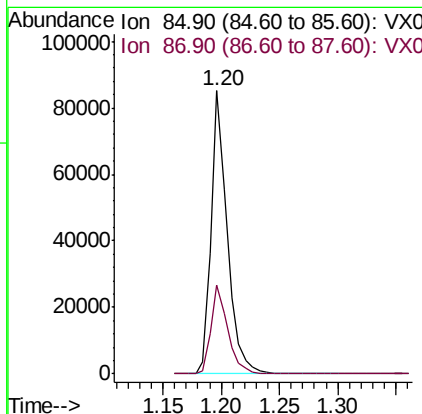
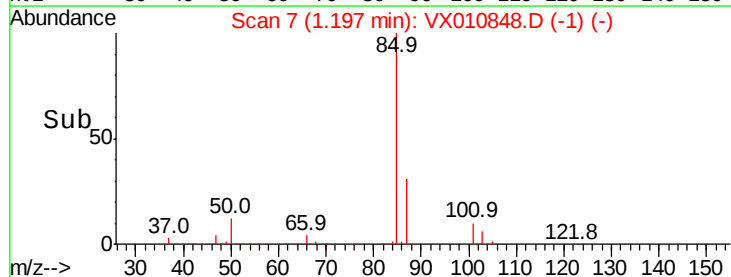
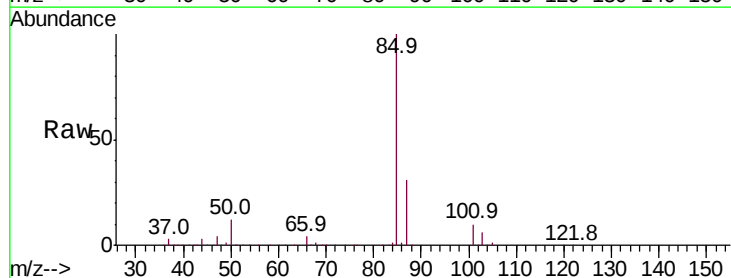
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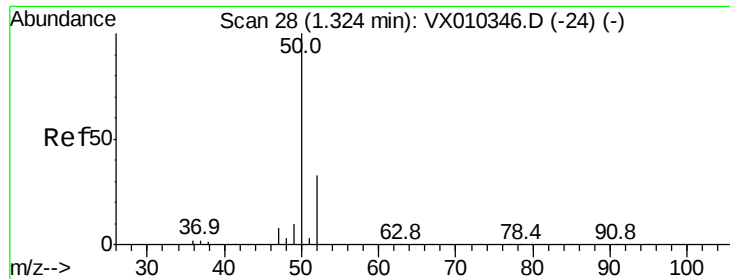


#2

Dichlorodifluoromethane
 Concen: 48.995 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. 0.00 min
 Lab File: VX010848.D
 Acq: 12 Jul 2019 19:56

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.3	16.3	48.8





#3

Chloromethane

Concen: 43.380 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

Instrument :

MSVOA_X

ClientSampleId :

FL-0583MSD

Tot Ion: 50 Resp: 83523

Ion Ratio Lower Upper

50 100

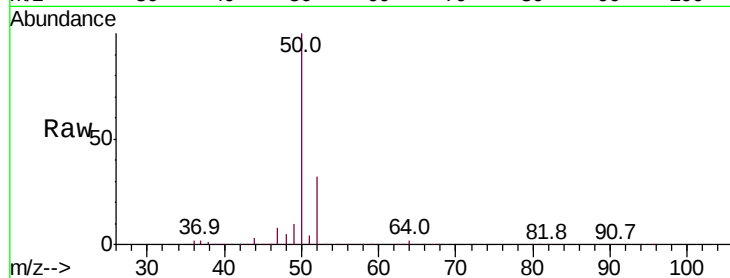
52 32.2 26.5 39.7

Manual Integrations

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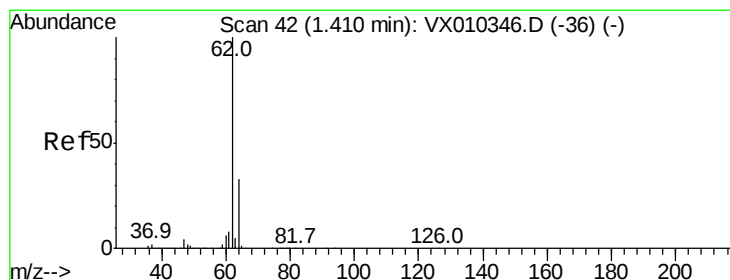
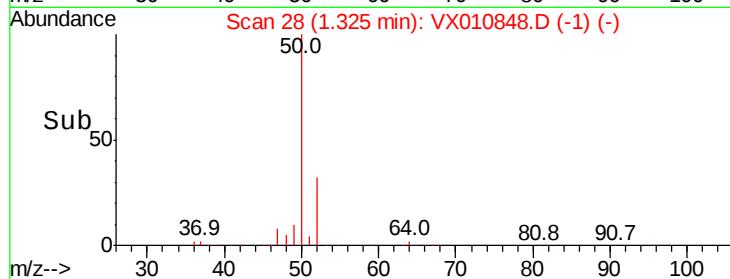
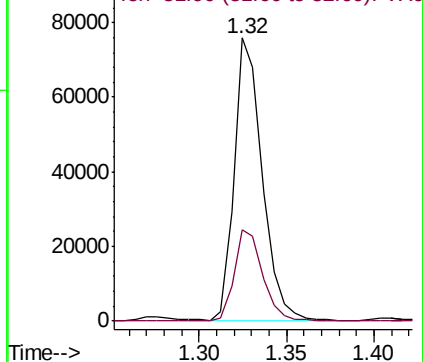
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 43.626 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010848.D

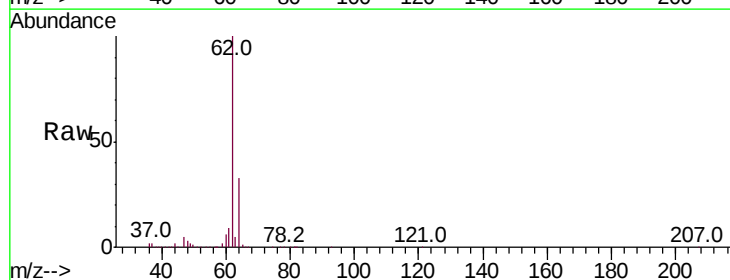
Acq: 12 Jul 2019 19:56

Tgt Ion: 62 Resp: 92002

Ion Ratio Lower Upper

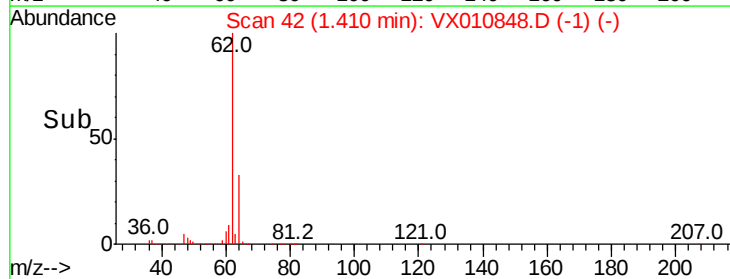
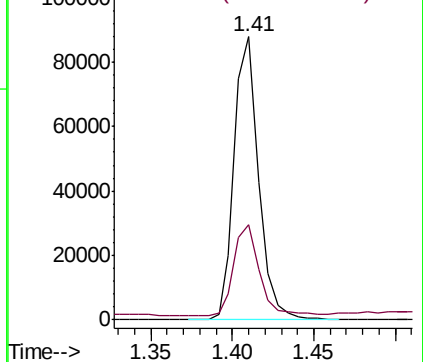
62 100

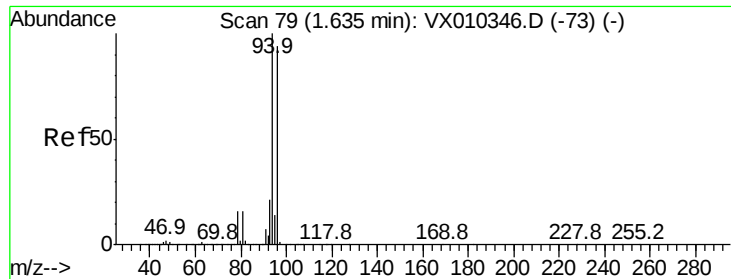
64 31.8 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 43.388 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

Instrument :

MSVOA_X

ClientSampleId :

FL-0583MSD

Tot Ion: 94 Resp: 44577

Ion Ratio Lower Upper

94 100

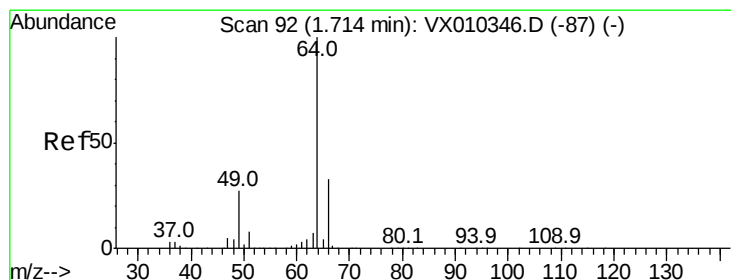
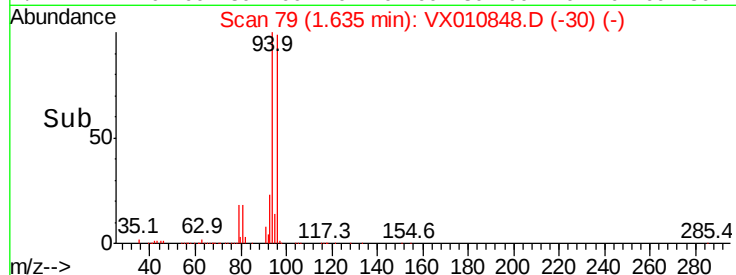
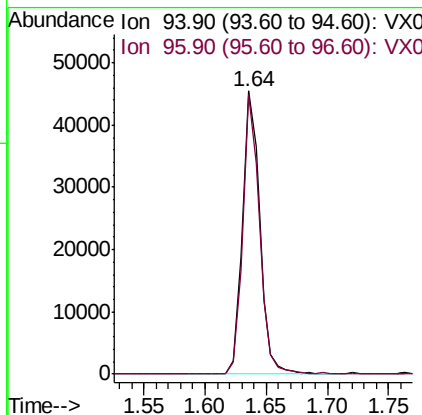
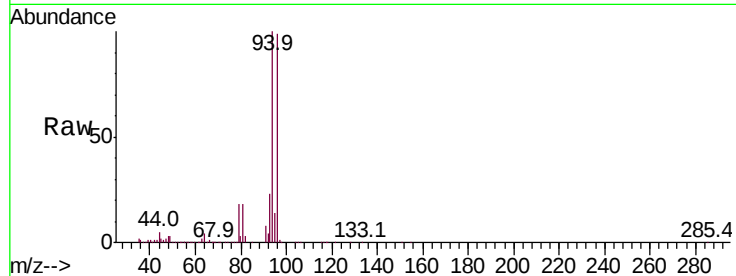
96 98.6 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 50.953 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010848.D

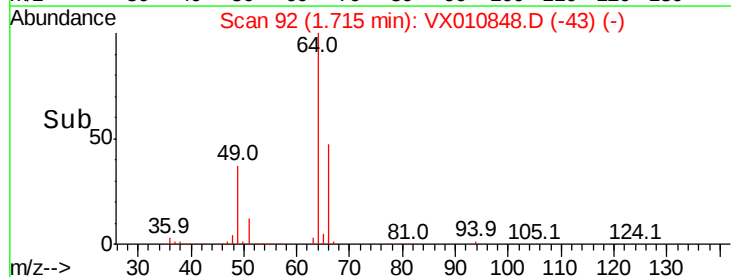
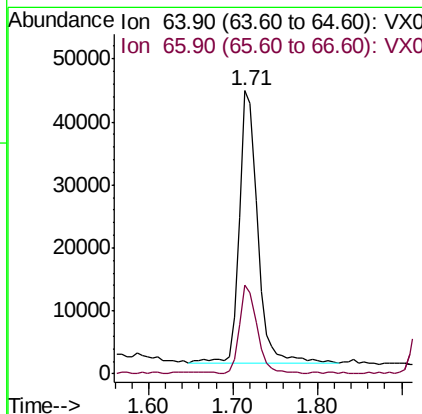
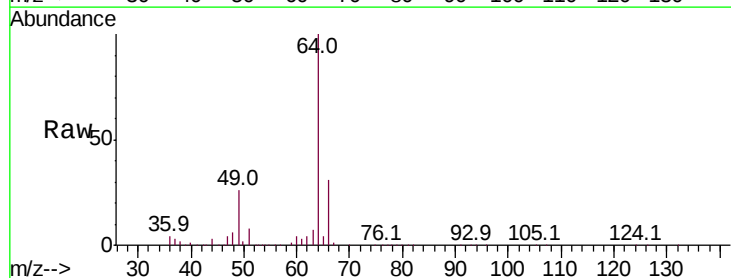
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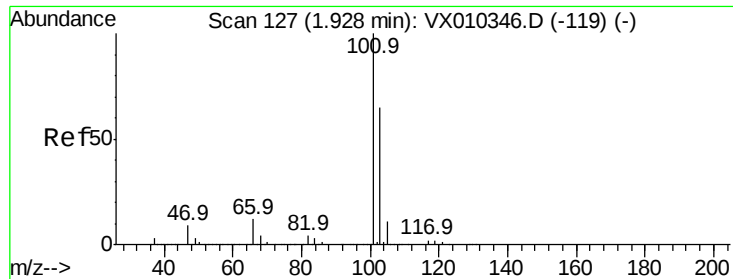
Tgt Ion: 64 Resp: 63396

Ion Ratio Lower Upper

64 100

66 31.9 26.6 40.0





#7

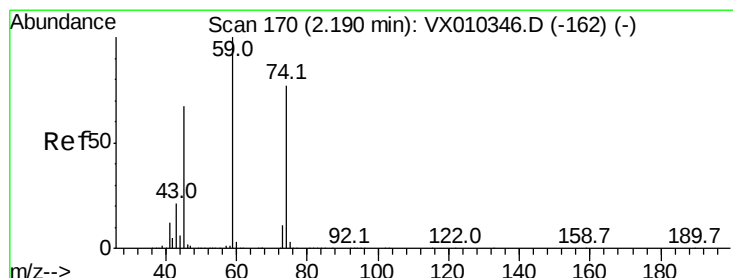
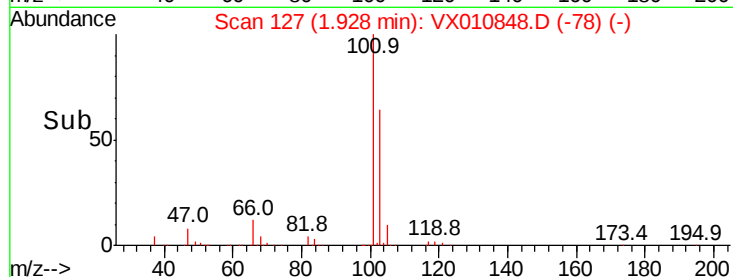
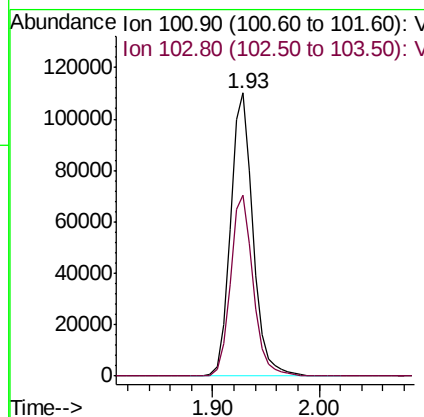
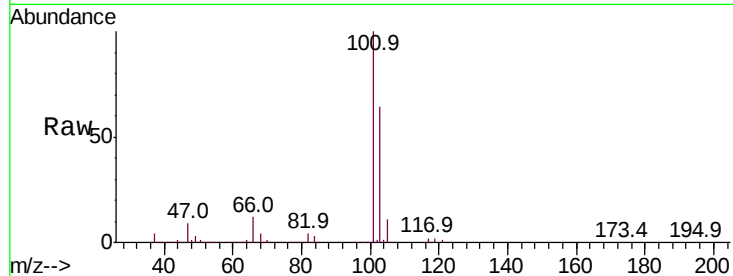
Trichlorofluoromethane
 Concen: 48.711 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX010848.D
 Acq: 12 Jul 2019 19:56

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 FL-0583MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.3	78.5

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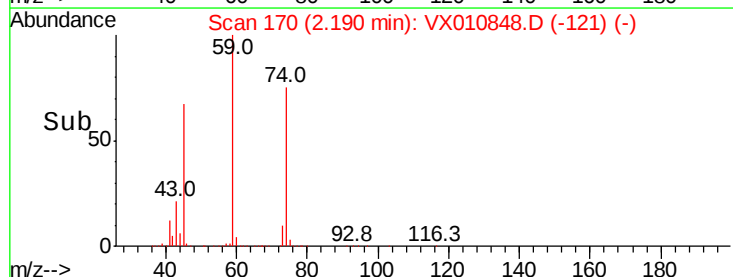
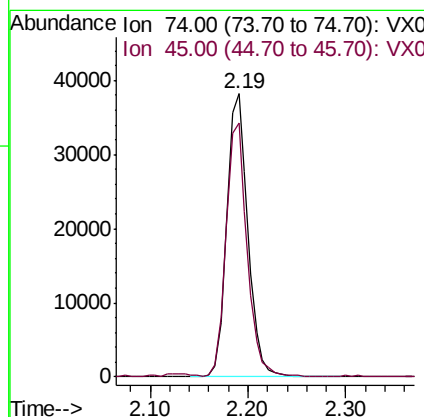
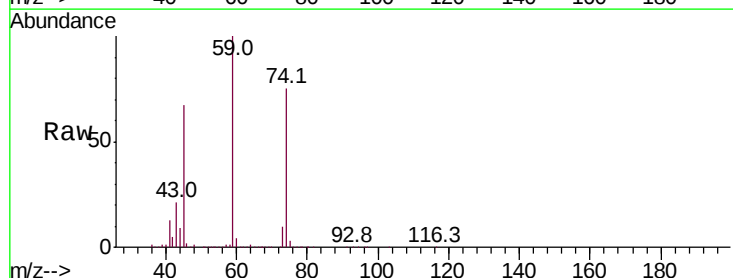
MMDadoda
 7/15/2019 11:01:07 AM

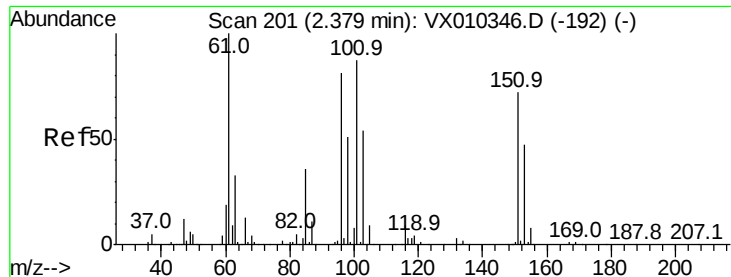


#8

Diethyl Ether
 Concen: 47.667 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX010848.D
 Acq: 12 Jul 2019 19:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.8	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.146 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

Instrument :

MSVOA_X

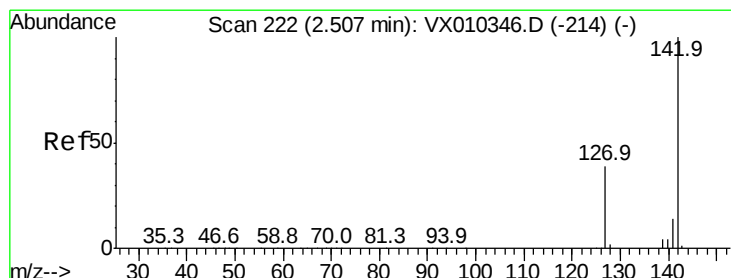
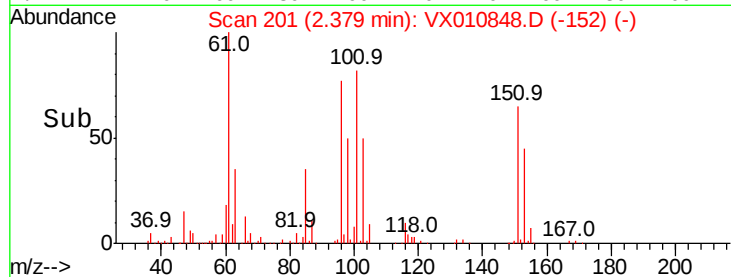
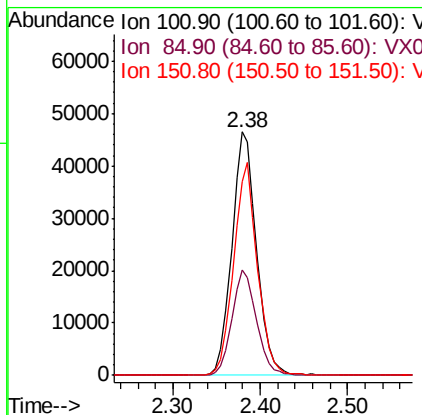
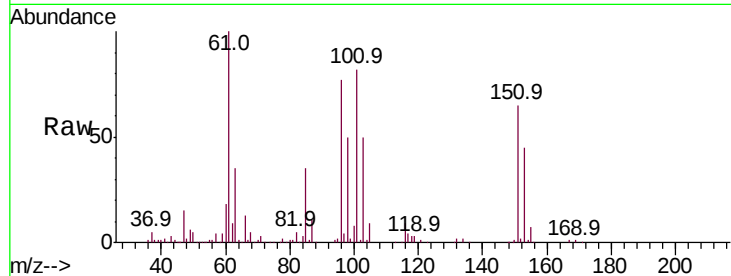
ClientSampleId :

FL-0583MSD

Tot Ion:	101	Resp:	91463
Ion Ratio	Lower	Upper	
101	100		
85	43.0	33.7	50.5
151	84.1	70.1	105.1

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#10

Methyl Iodide

Concen: 35.717 ug/l

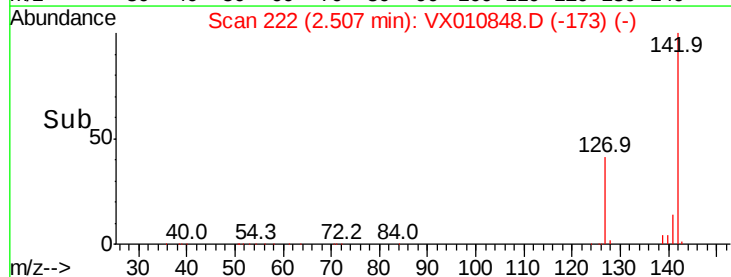
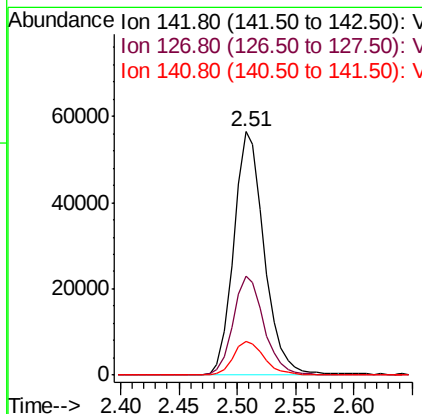
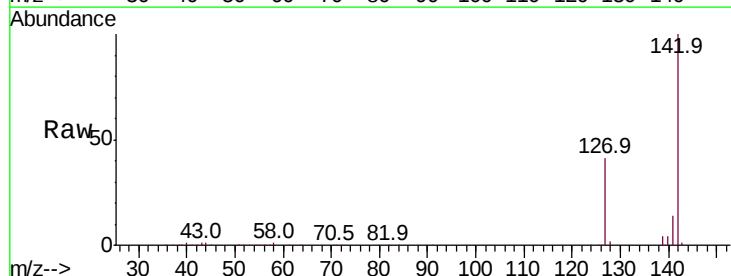
RT: 2.51 min Scan# 222

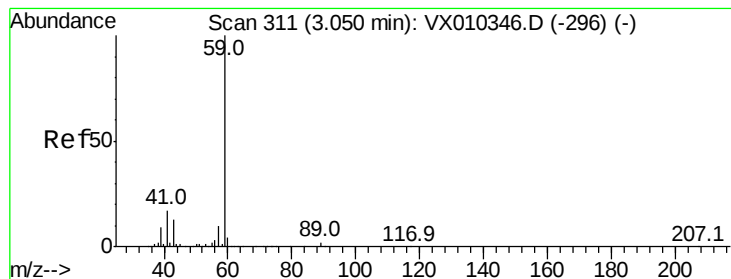
Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

Tgt Ion:	142	Resp:	103268
Ion Ratio	Lower	Upper	
142	100		
127	41.0	31.1	46.7
141	14.4	11.2	16.8





#11

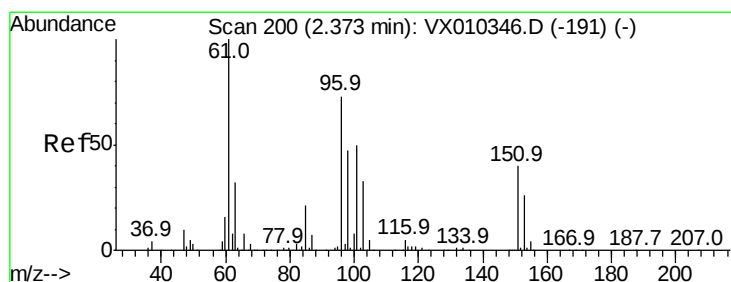
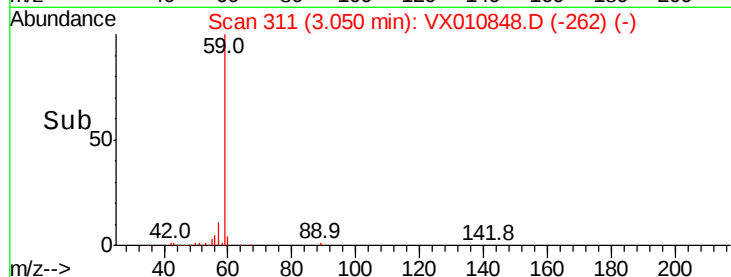
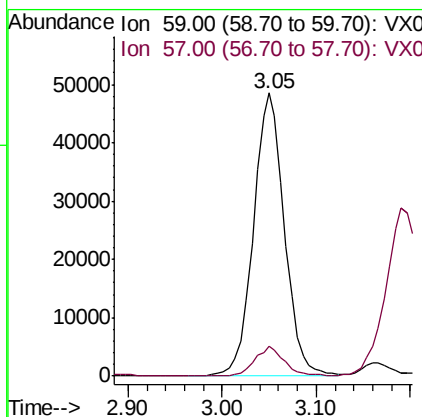
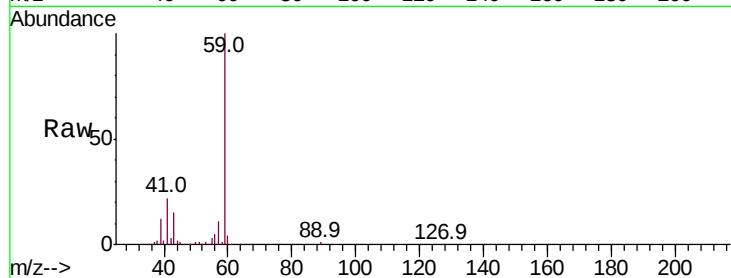
Tert butyl alcohol
Concen: 191.496 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Instrument :
MSVOA_X
ClientSampled :
FL-0583MSD

Tot Ion	59	Resp	111738
Ion Ratio	100	Lower	Upper
57	10.2	7.7	11.5

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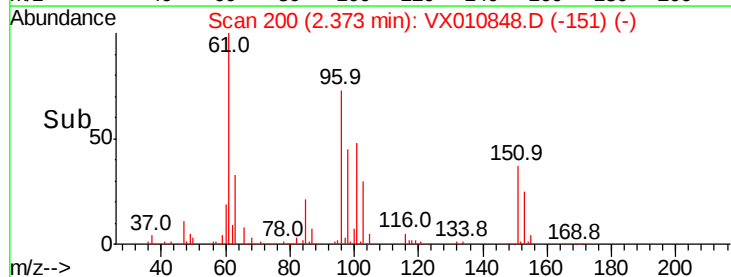
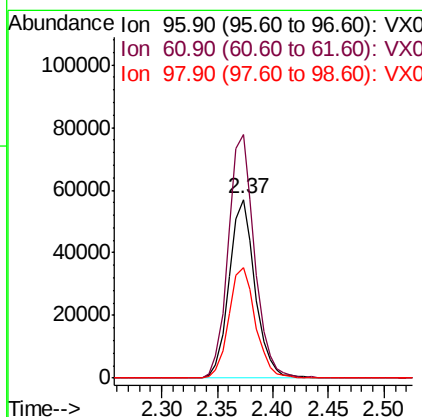
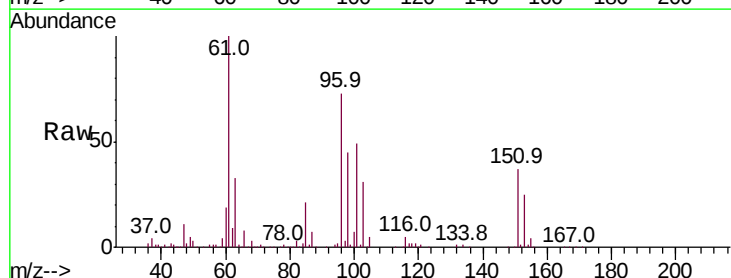
MMDadoda
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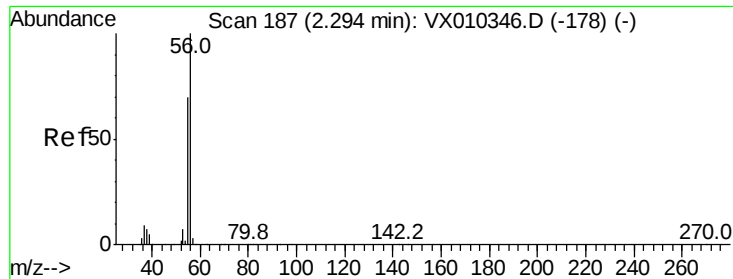


#12

1,1-Dichloroethene
Concen: 44.578 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Tgt Ion	96	Resp	91897
Ion Ratio	100	Lower	Upper
61	136.2	109.2	163.8
98	61.7	51.1	76.7





#13

Acrolein

Concen: 236.716 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

Instrument :

MSVOA_X

ClientSampleId :

FL-0583MSD

Tot Ion: 56 Resp: 91628

Ion Ratio Lower Upper

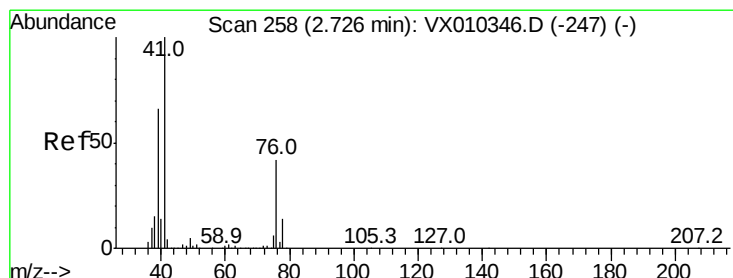
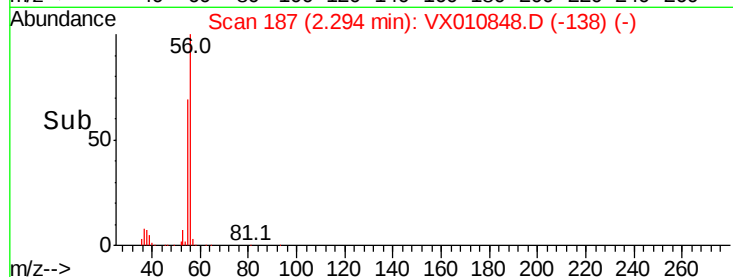
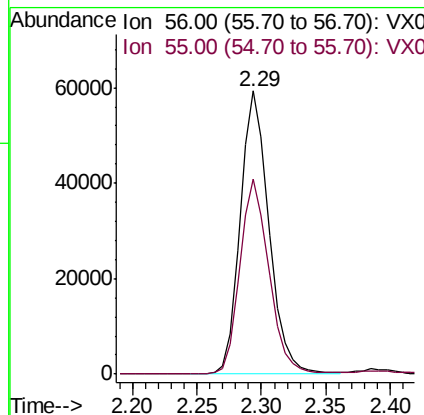
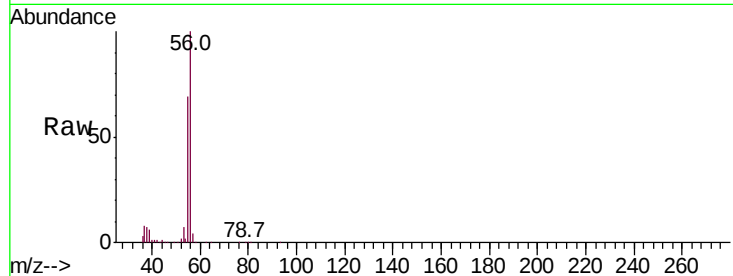
56 100

55 69.6 56.9 85.3

Manual Integrations
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#14

Allyl chloride

Concen: 44.963 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

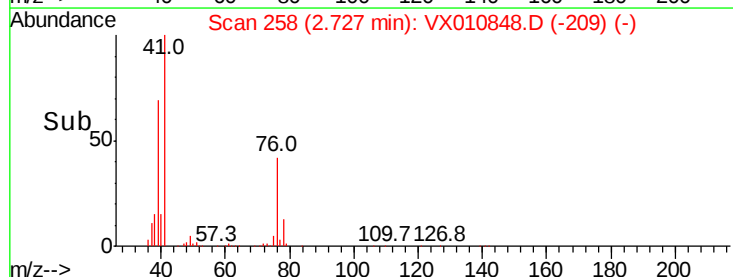
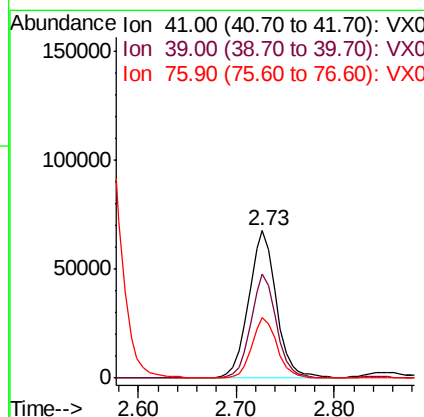
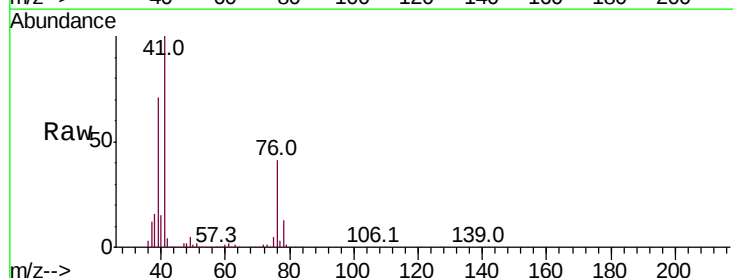
Tgt Ion: 41 Resp: 131595

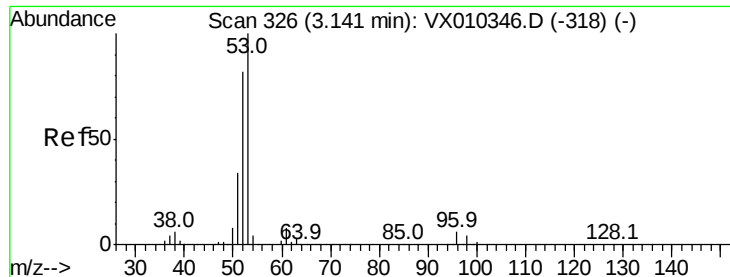
Ion Ratio Lower Upper

41 100

39 65.3 50.3 75.5

76 37.3 31.3 46.9





#15

Acrylonitrile

Concen: 236.162 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

Instrument :

MSVOA_X

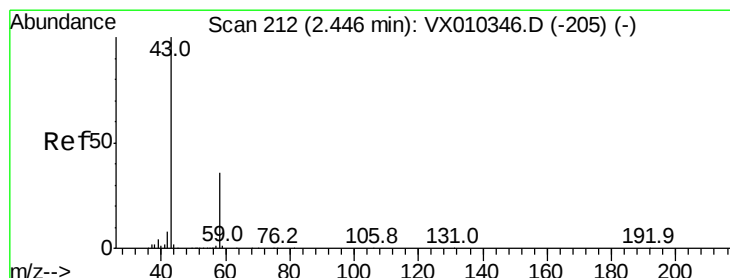
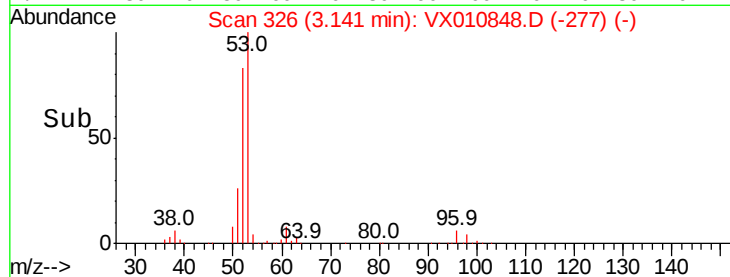
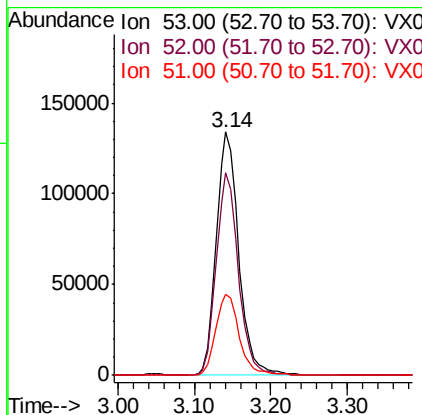
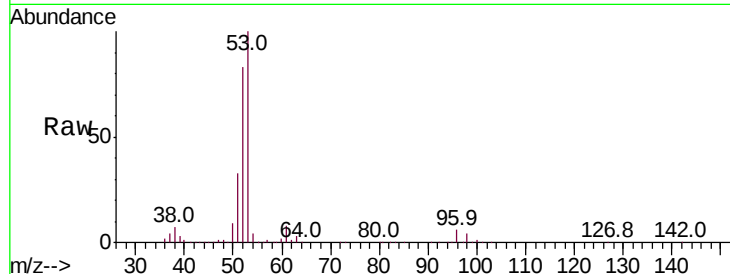
ClientSampleId :

FL-0583MSD

Tot Ion:	53	Resp:	272830
Ion Ratio	Lower	Upper	
53	100		
52	81.7	65.5	98.3
51	34.6	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 195.545 ug/l

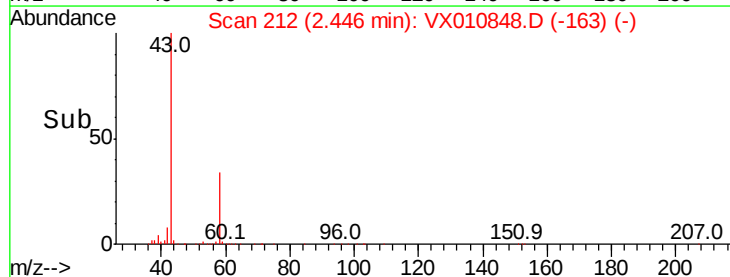
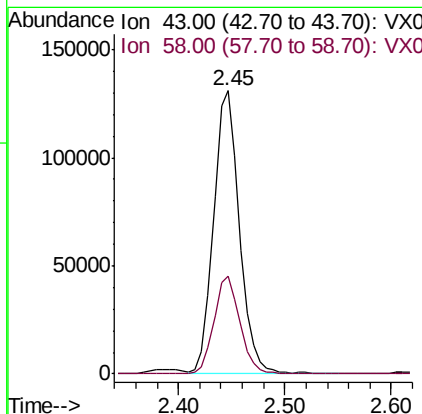
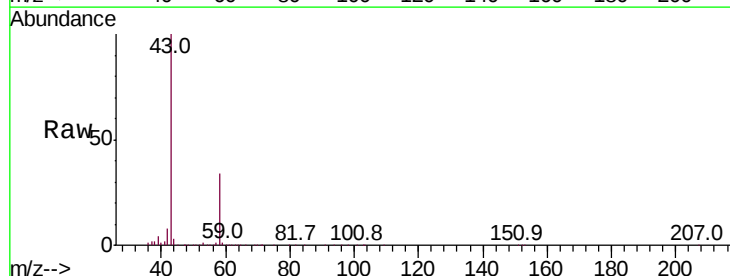
RT: 2.45 min Scan# 212

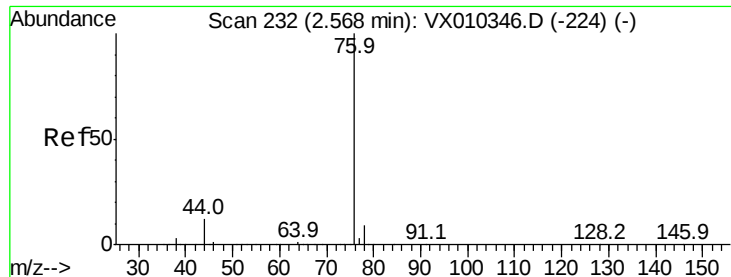
Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

Tgt Ion:	43	Resp:	218536
Ion Ratio	Lower	Upper	
43	100		
58	34.3	28.9	43.3





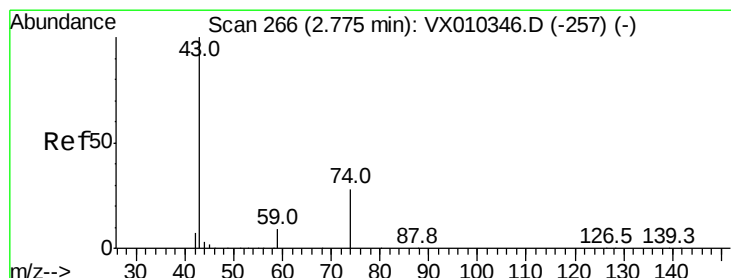
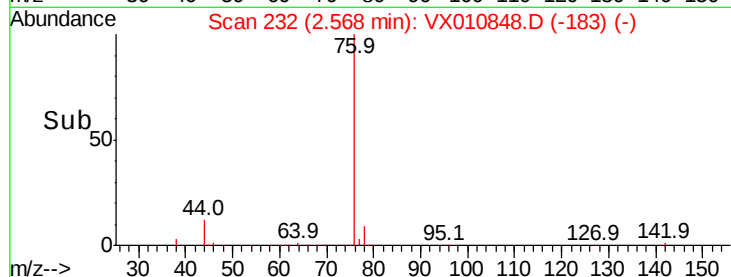
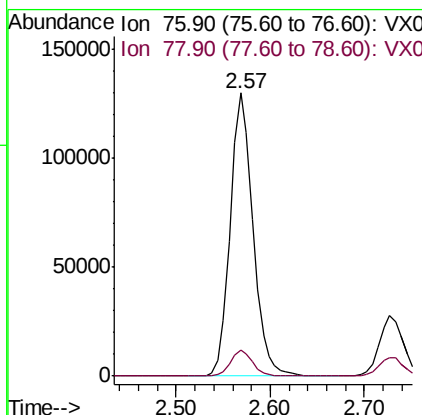
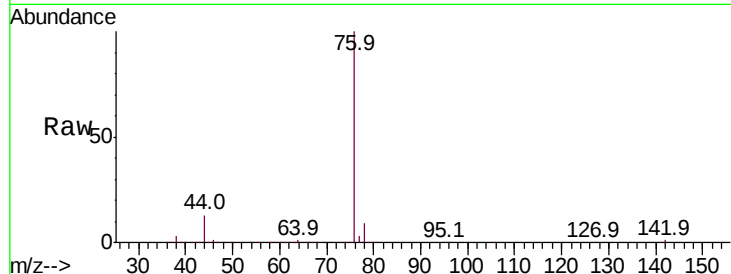
#17
Carbon Disulfide
Concen: 39.515 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Instrument :
MSVOA_X
ClientSampled :
FL-0583MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.3	10.9

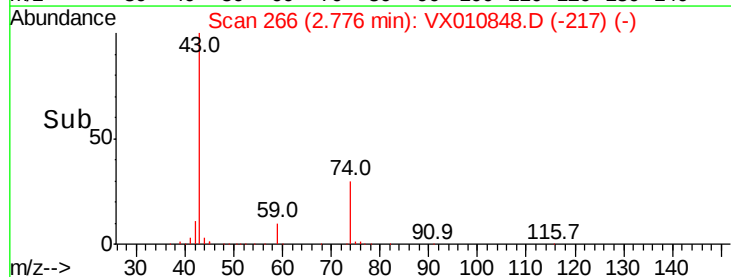
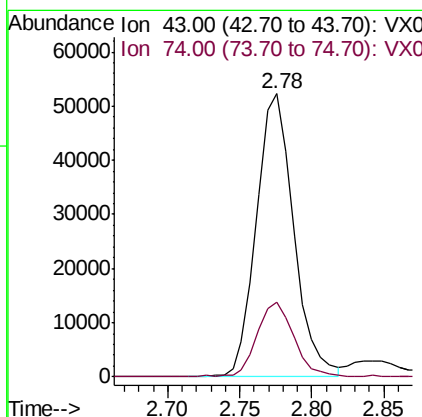
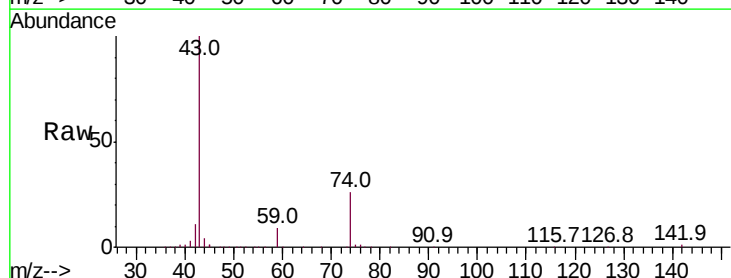
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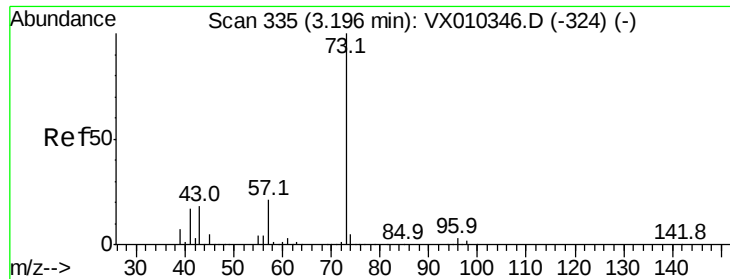
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#18
Methyl Acetate
Concen: 41.840 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.3	21.3	31.9





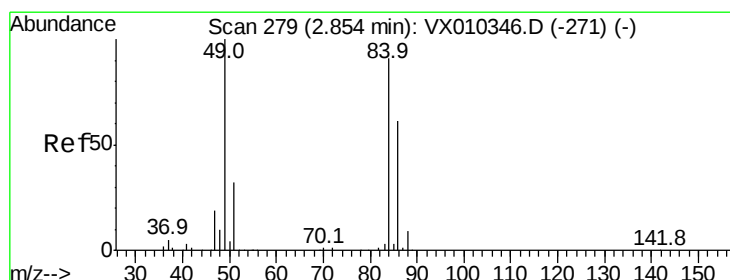
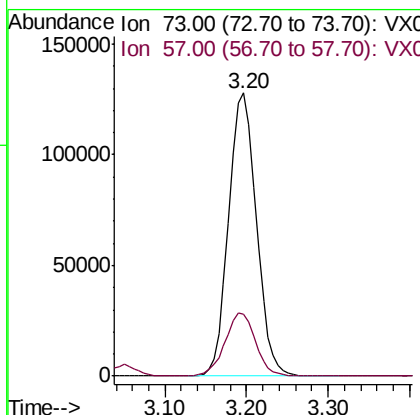
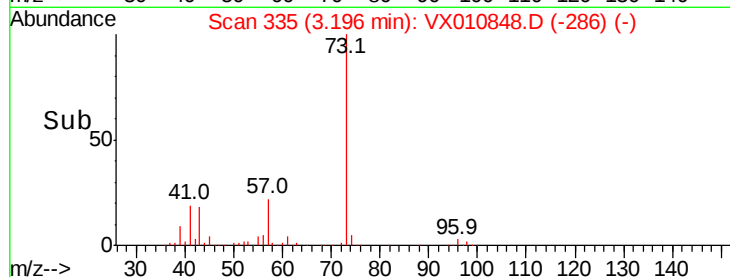
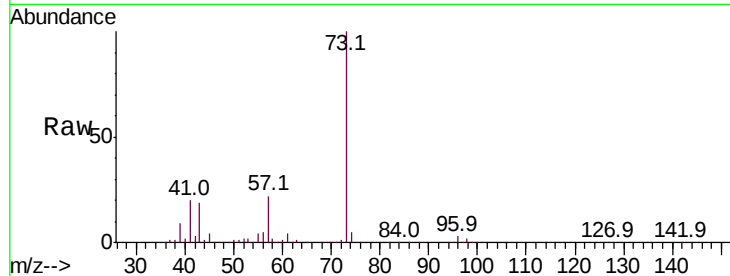
#19
Methyl tert-butyl Ether
Concen: 46.339 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Instrument :
MSVOA_X
ClientSampleId :
FL-0583MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	16.4	24.6

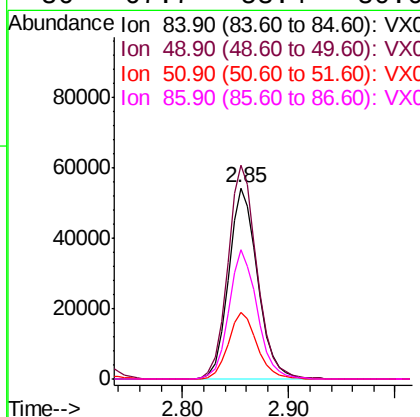
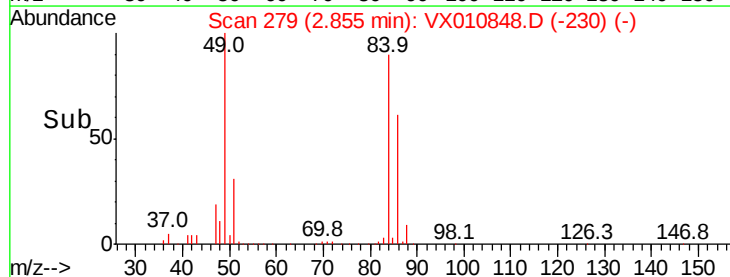
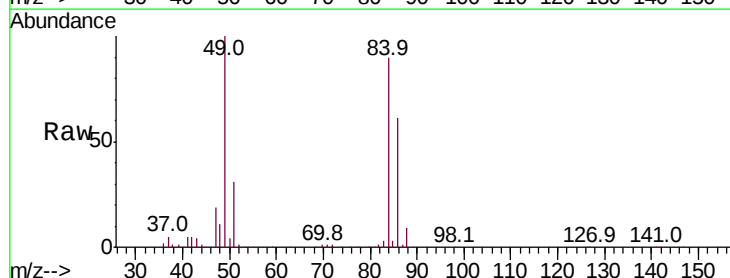
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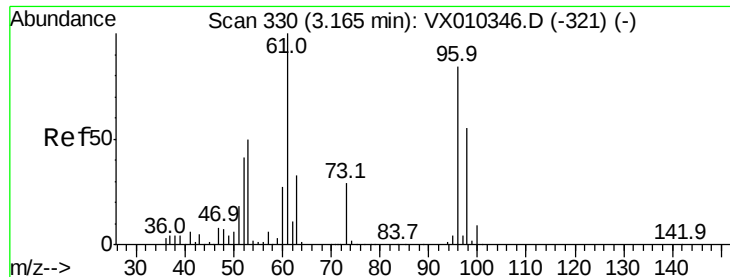
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#20
Methylene Chloride
Concen: 44.922 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.5	87.5	131.3
51	34.9	27.7	41.5
86	67.7	53.4	80.0





#21

trans-1,2-Dichloroethene

Concen: 43.464 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

Instrument :

MSVOA_X

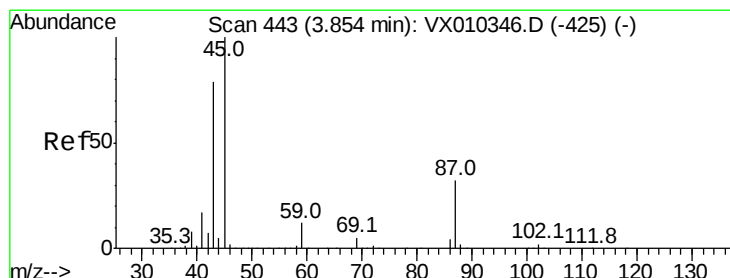
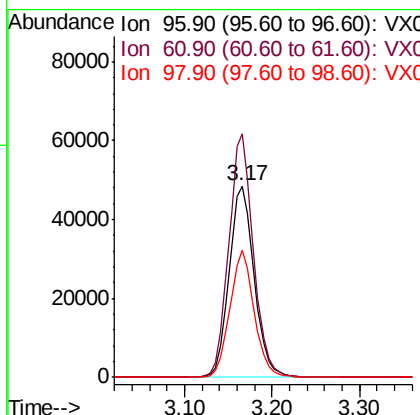
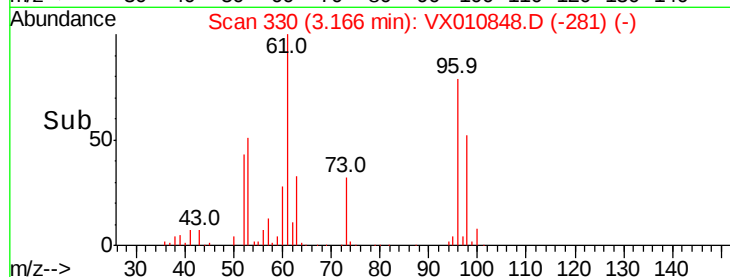
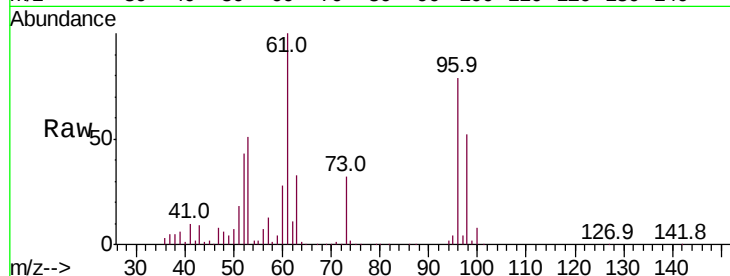
ClientSampleId :

FL-0583MSD

Tot Ion:	96	Resp:	96366
Ion	Ratio	Lower	Upper
96	100		
61	127.2	95.6	143.4
98	66.3	52.5	78.7

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#22

Diisopropyl ether

Concen: 46.625 ug/l

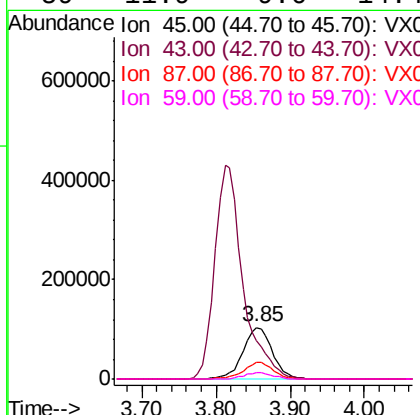
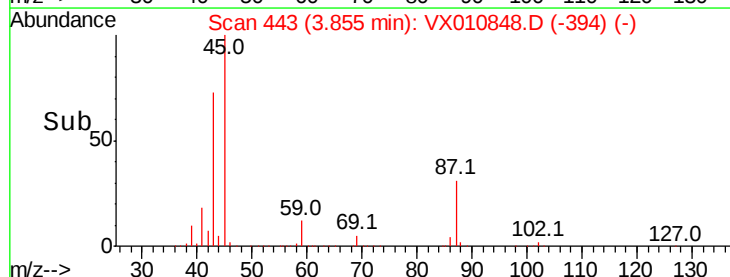
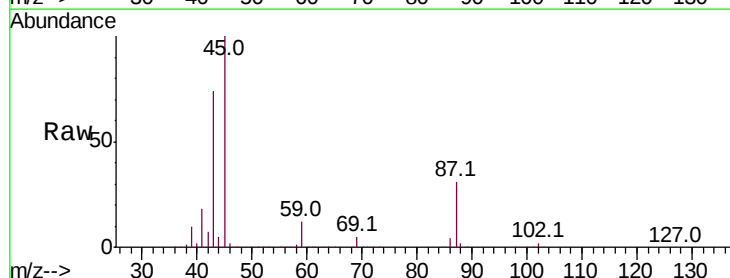
RT: 3.85 min Scan# 443

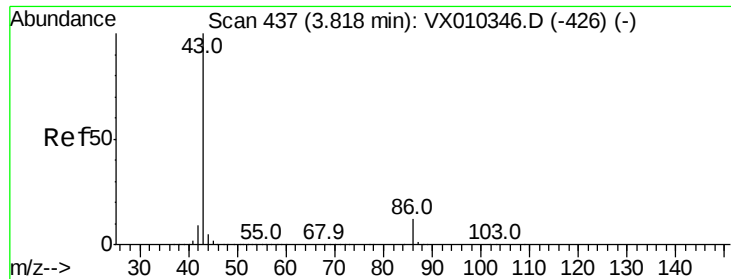
Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

Tgt Ion:	45	Resp:	285305
Ion	Ratio	Lower	Upper
45	100		
43	73.2	63.3	94.9
87	31.4	25.8	38.8
59	11.9	9.6	14.4





#23

Vinyl Acetate

Concen: 214.224 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

Instrument :

MSVOA_X

ClientSampleID :

FL-0583MSD

Tot Ion: 43 Resp: 1132445

Ion Ratio Lower Upper

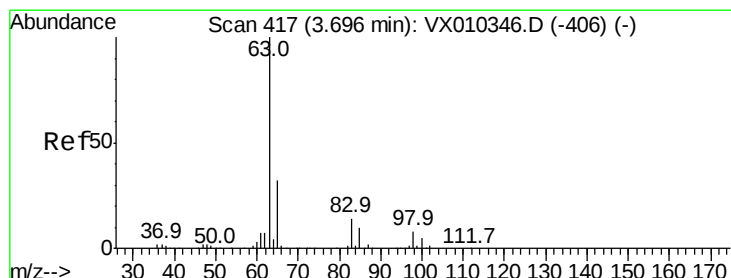
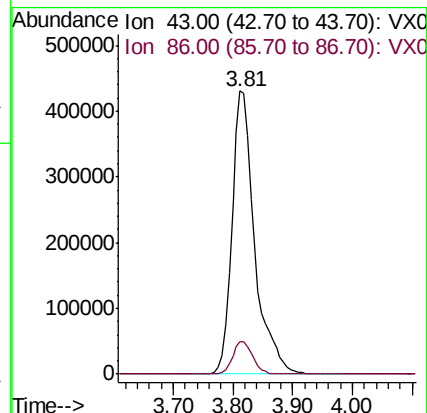
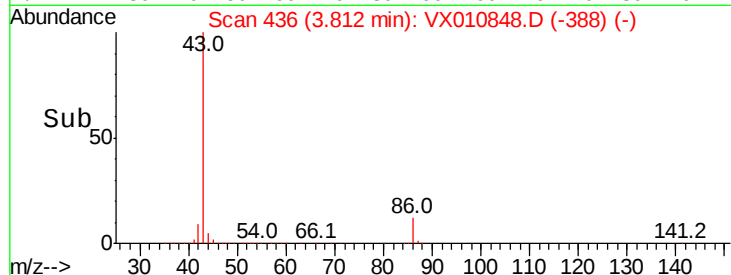
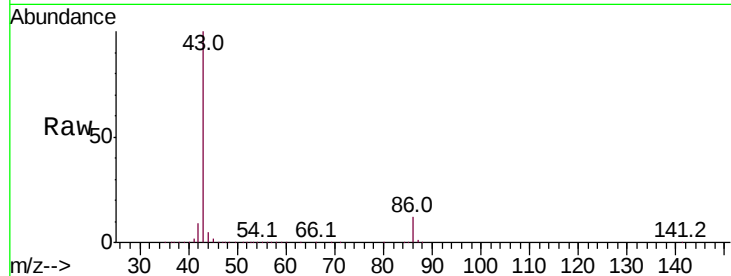
43 100

86 11.7 9.9 14.9

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 46.179 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

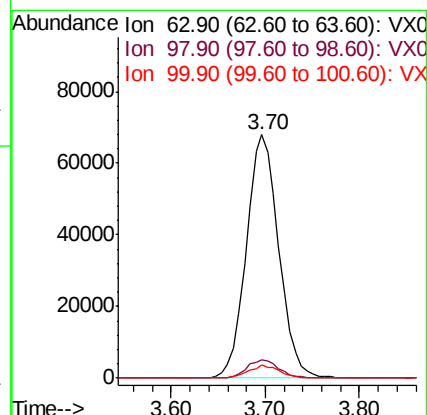
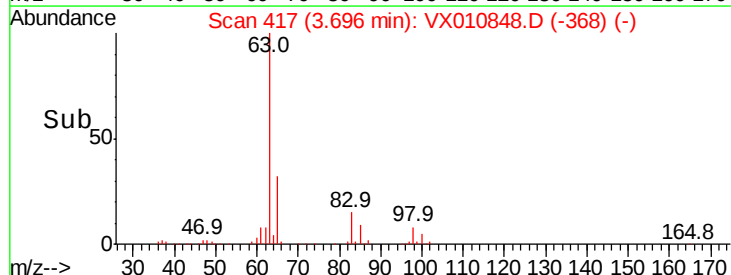
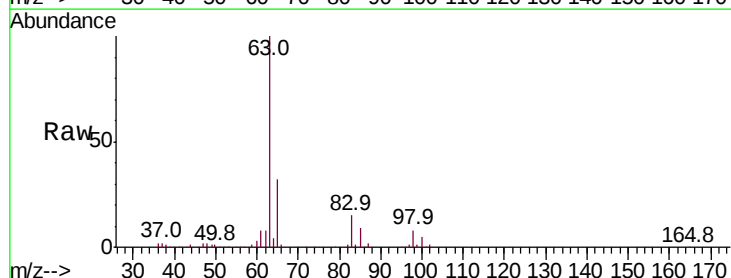
Tgt Ion: 63 Resp: 163340

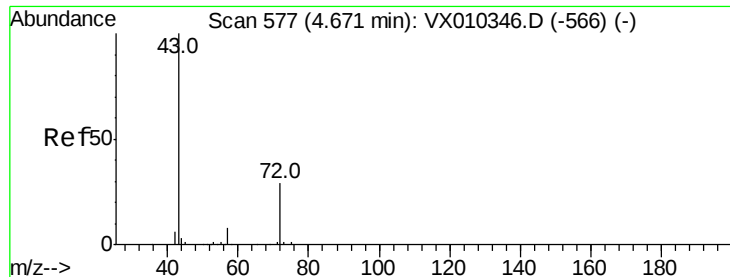
Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.7

100 5.4 2.4 7.1





#25

2-Butanone

Concen: 221.400 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

Instrument :

MSVOA_X

ClientSampled :

FL-0583MSD

Tot Ion: 43 Resp: 362950

Ion Ratio Lower Upper

43 100

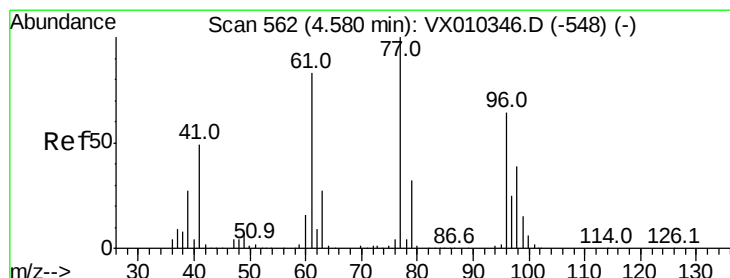
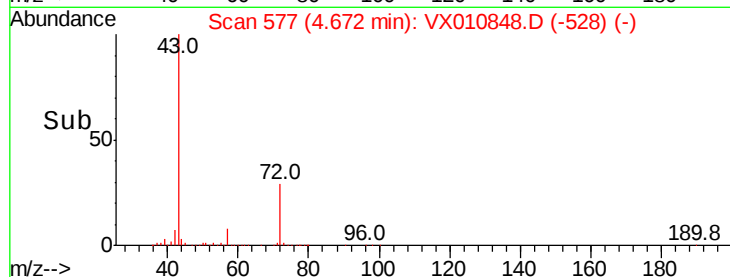
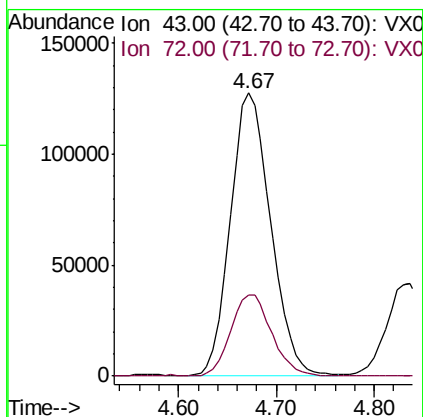
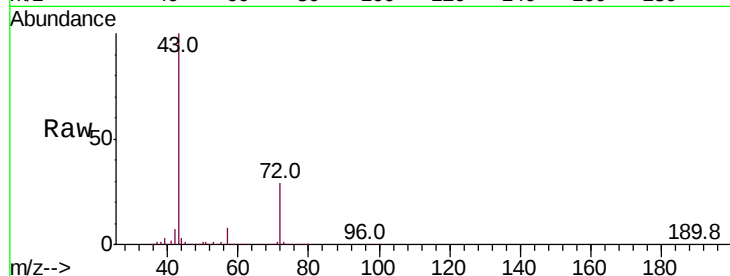
72 28.8 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 34.894 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010848.D

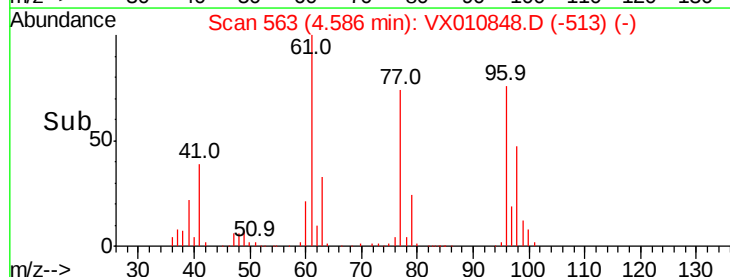
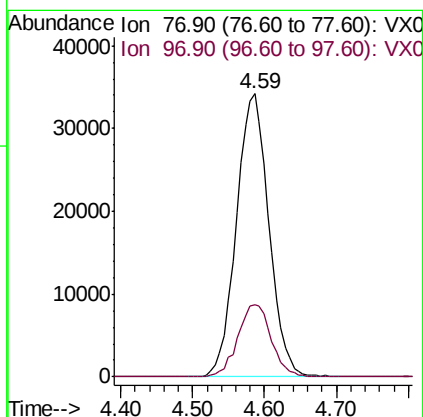
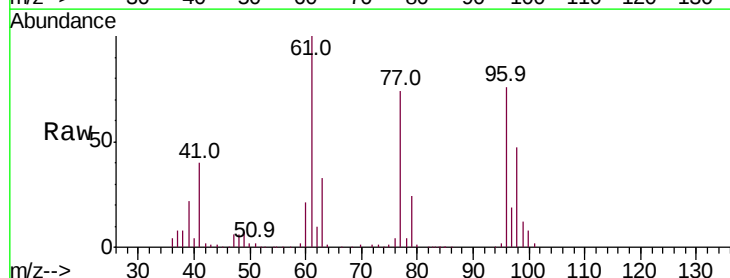
Acq: 12 Jul 2019 19:56

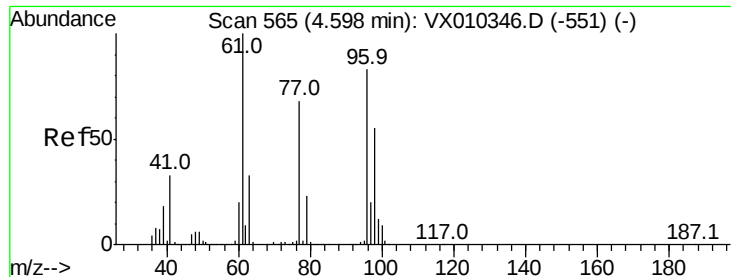
Tgt Ion: 77 Resp: 107217

Ion Ratio Lower Upper

77 100

97 26.1 13.1 39.3





#27

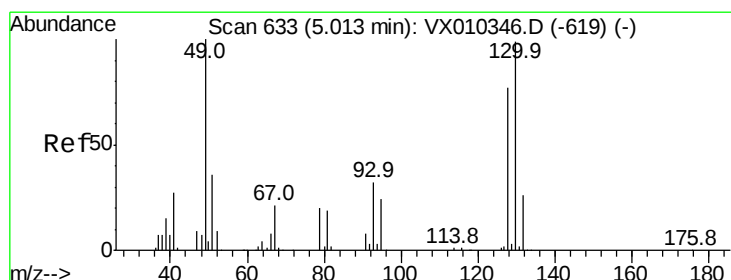
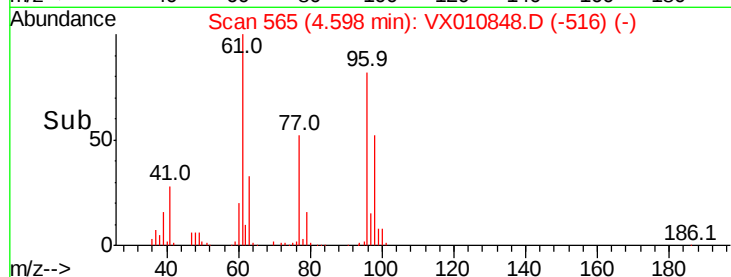
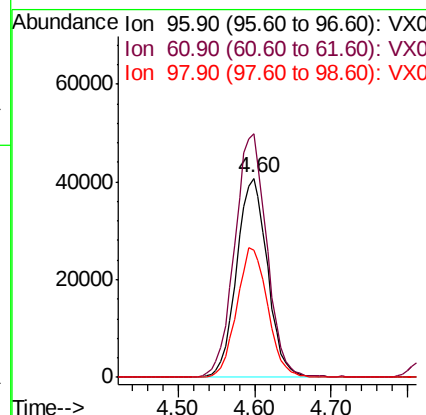
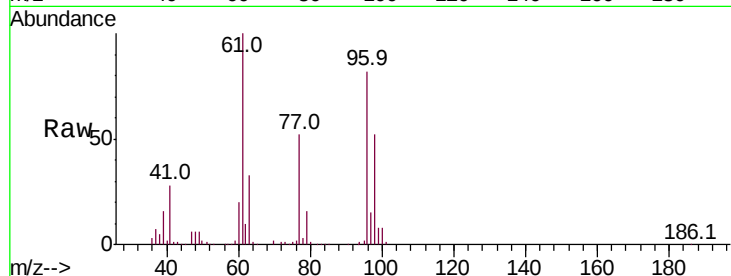
cis-1,2-Dichloroethene
 Concen: 44.476 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX010848.D
 Acq: 12 Jul 2019 19:56

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0583MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	113953		
61	127.1	0.0	251.8	
98	65.2	0.0	129.4	

Manual Integrations
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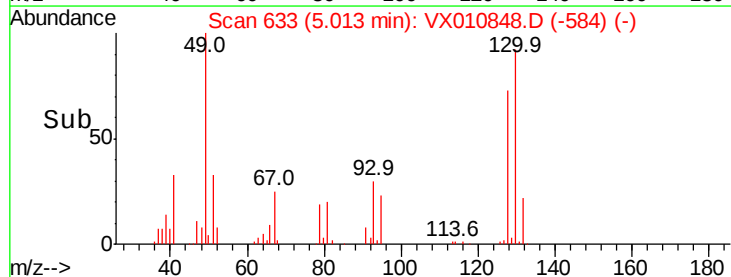
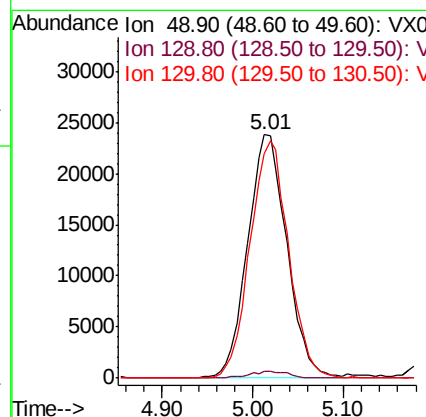
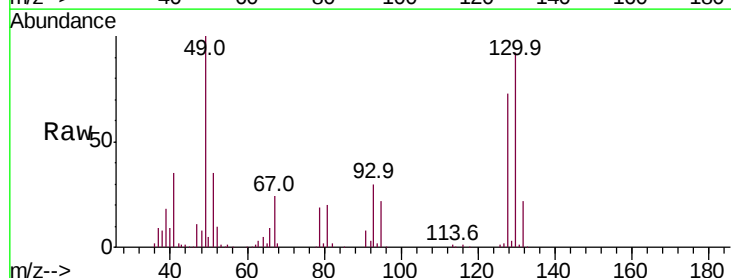
MMDadoda
 7/15/2019 11:01:07 AM

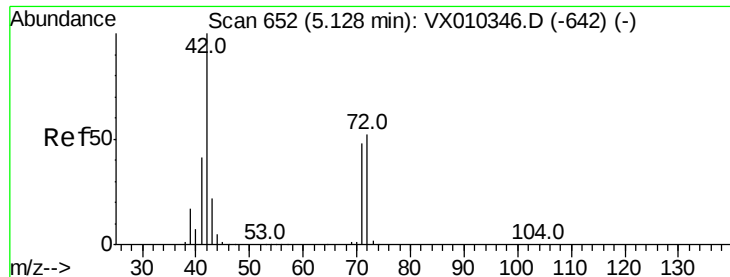


#28

Bromochloromethane
 Concen: 42.091 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX010848.D
 Acq: 12 Jul 2019 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	71181		
129	2.6	0.0	5.6	
130	96.2	81.4	122.0	





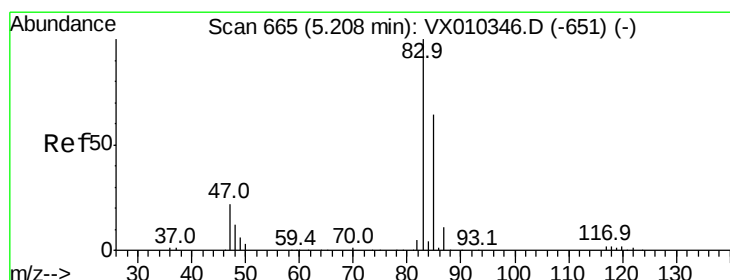
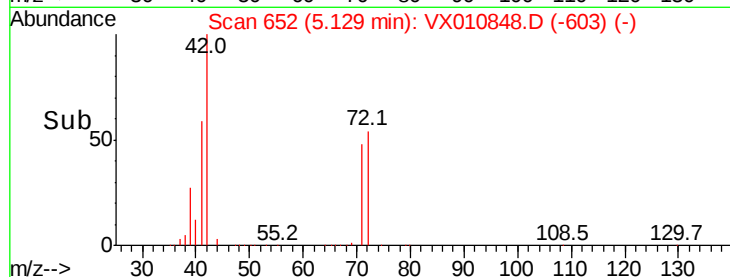
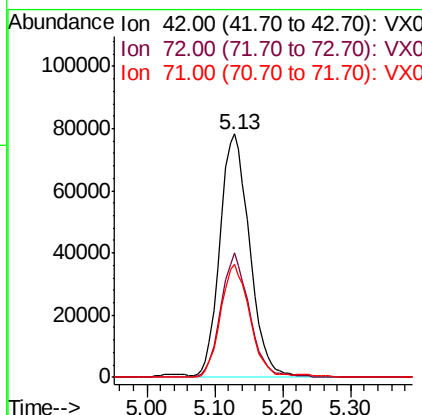
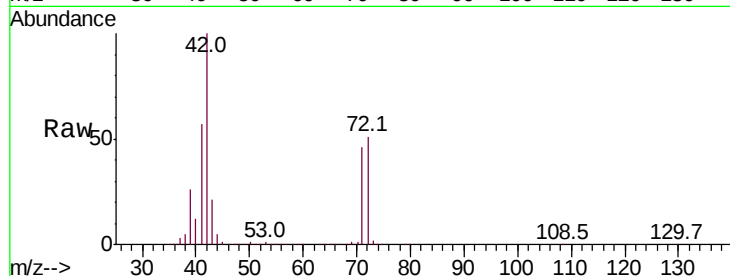
#29
Tetrahydrofuran
Concen: 232.605 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Instrument :
MSVOA_X
ClientSampleId :
FL-0583MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.7	40.6	60.8
71	45.6	37.8	56.8

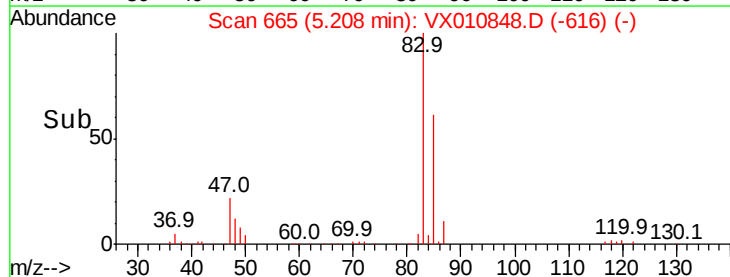
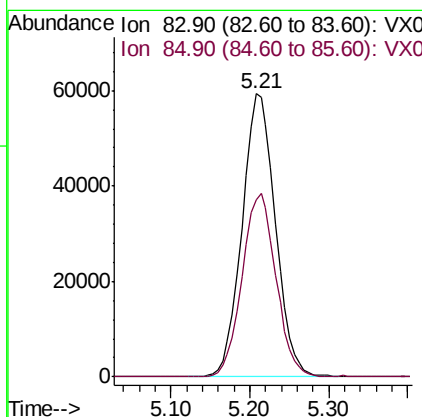
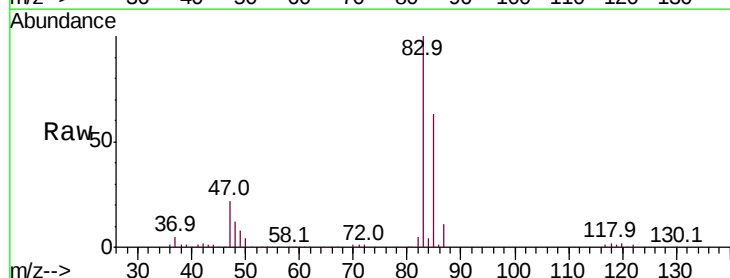
Manual Integrations
APPROVED

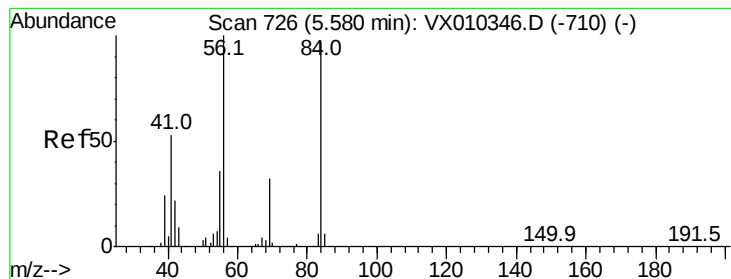
MMDadoda
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#30
Chloroform
Concen: 45.759 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.9	76.3





#31

Cyclohexane

Concen: 46.434 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

Instrument :

MSVOA_X

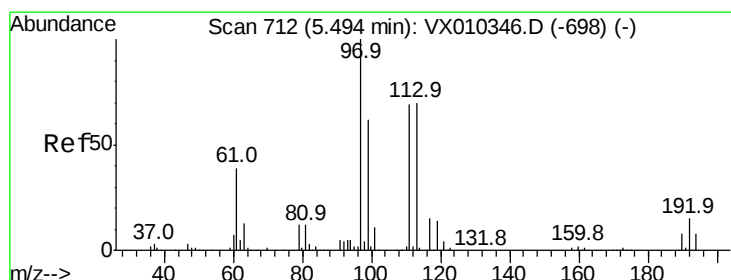
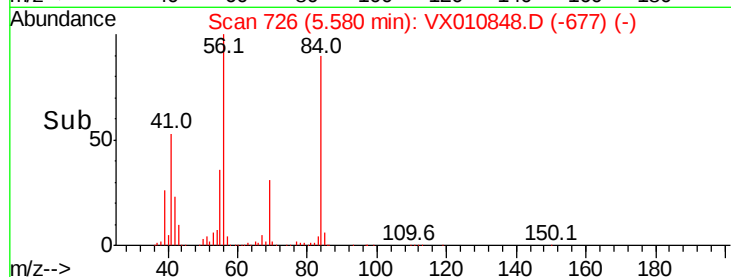
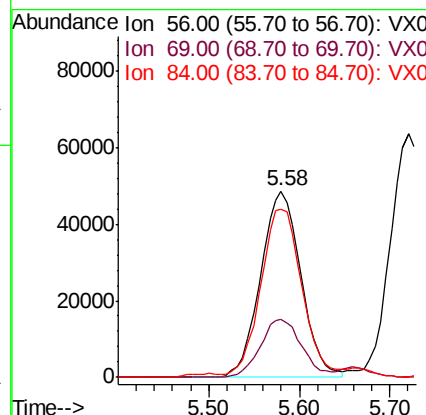
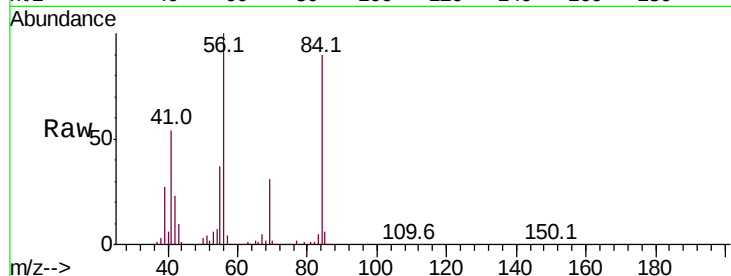
ClientSampleId :

FL-0583MSD

Tot Ion:	56	Resp:	149563
Ion	Ratio	Lower	Upper
56	100		
69	31.1	25.9	38.9
84	88.6	78.0	117.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 45.802 ug/l

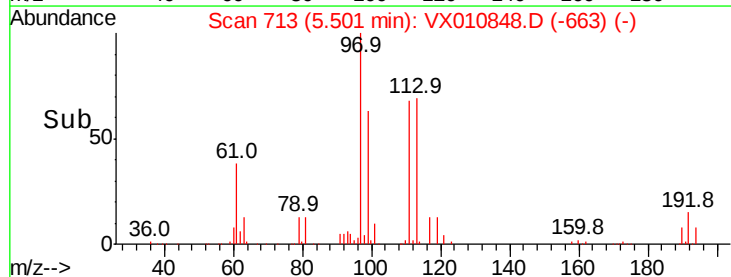
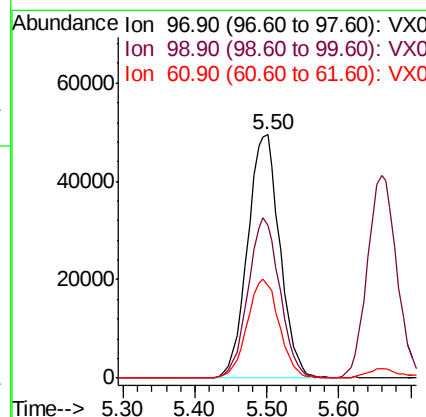
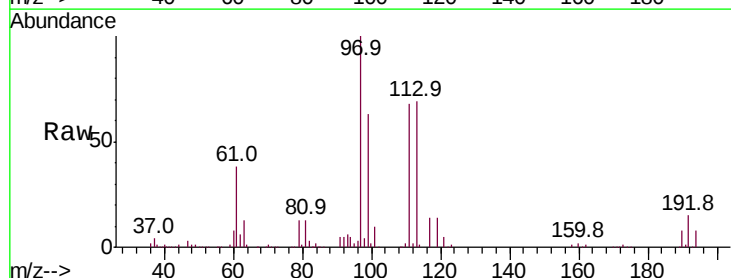
RT: 5.50 min Scan# 713

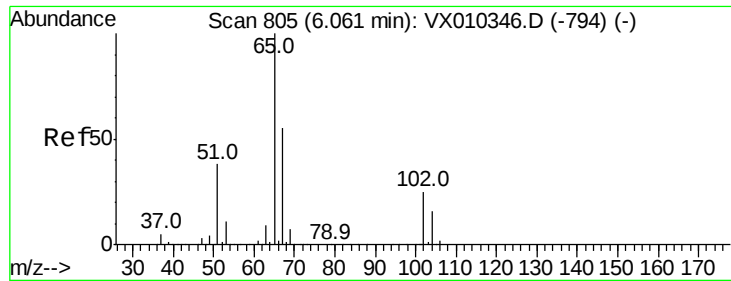
Delta R.T. 0.01 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

Tgt Ion:	97	Resp:	153913
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.8	77.8
61	40.6	32.1	48.1





#33

1,2-Dichloroethane-d4

Concen: 46.118 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

Instrument :

MSVOA_X

ClientSampleId :

FL-0583MSD

Tot Ion: 65 Resp: 102840

Ion Ratio Lower Upper

65 100

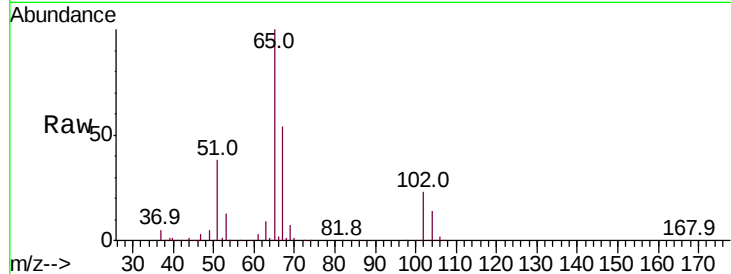
67 54.0 0.0 110.2

Manual Integrations

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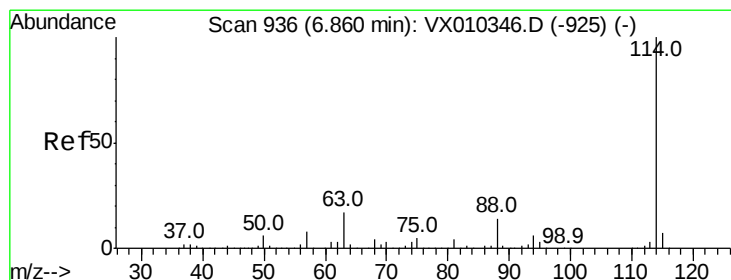
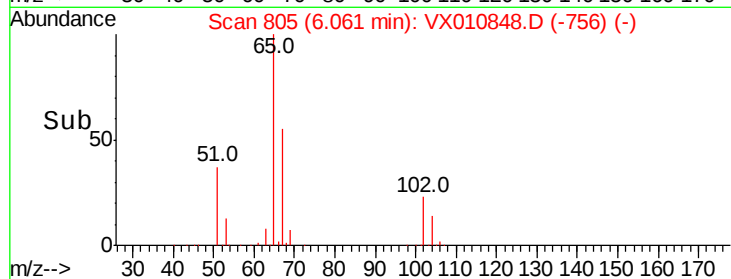
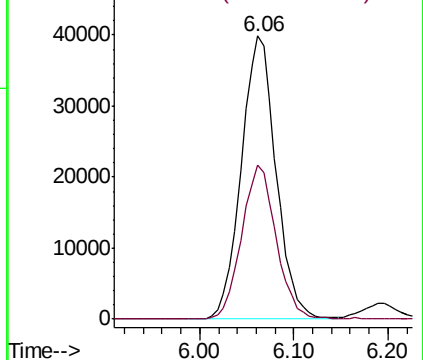
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

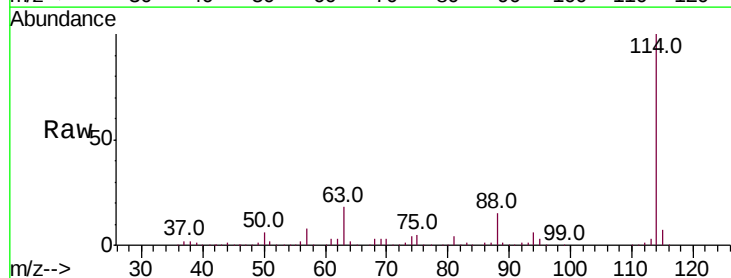
Tgt Ion:114 Resp: 358360

Ion Ratio Lower Upper

114 100

63 17.6 0.0 33.8

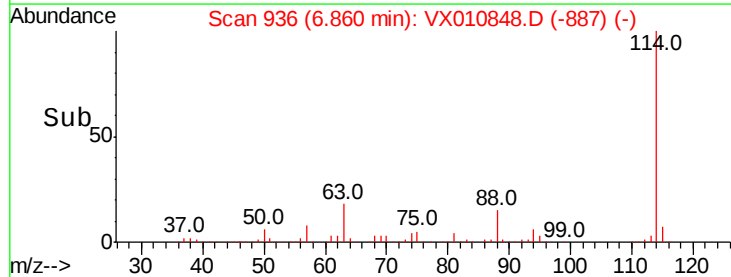
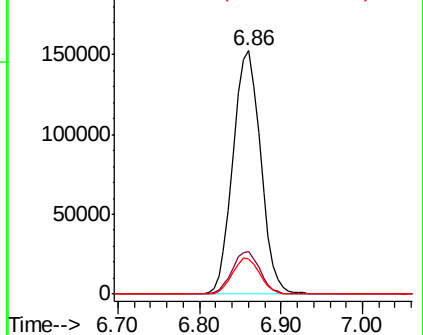
88 14.6 0.0 27.6

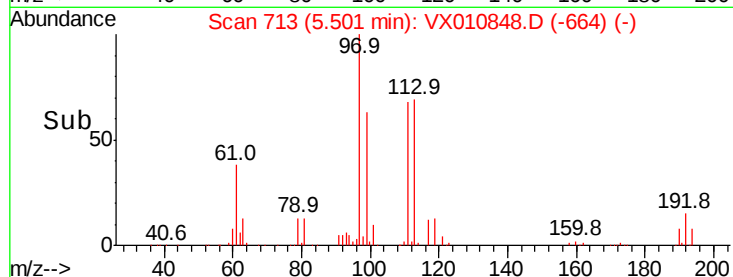
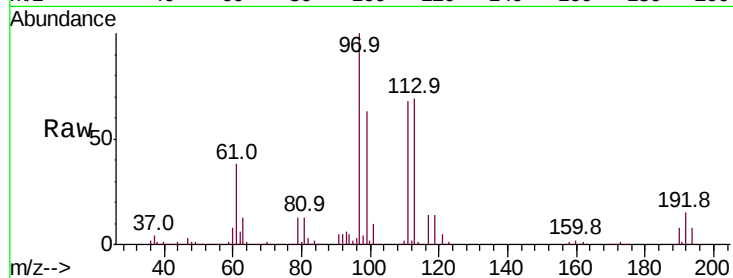
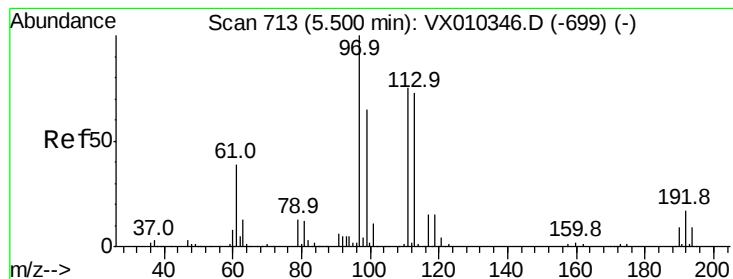


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 44.487 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

Tot Ion:	113	Resp:	97542
Ion	Ratio	Lower	Upper
113	100		
111	100.2	81.2	121.8
192	21.9	18.6	27.8

Instrument :

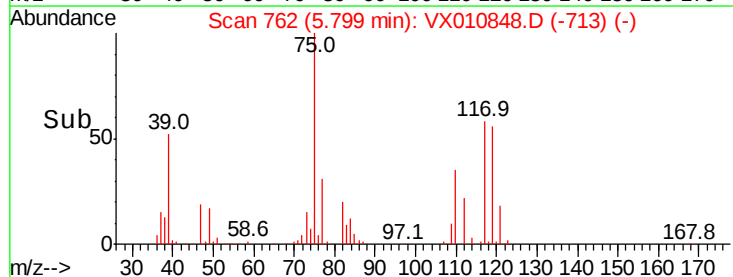
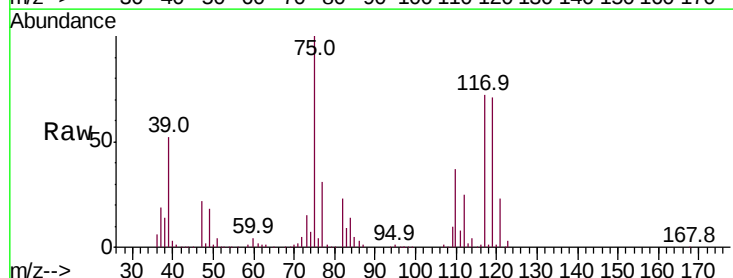
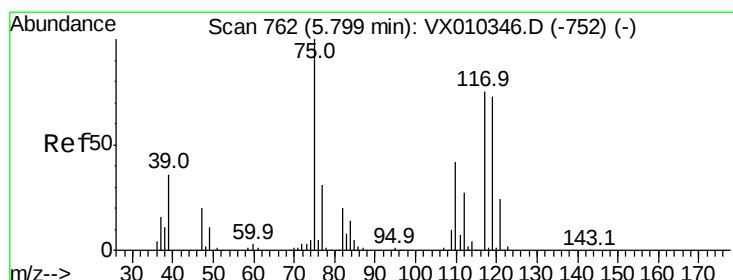
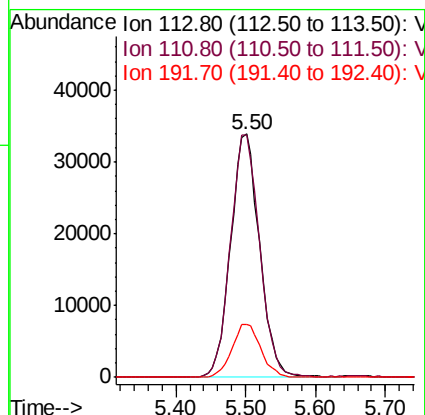
MSVOA_X

ClientSampled :

FL-0583MSD

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#36

1,1-Dichloropropene

Concen: 44.109 ug/l

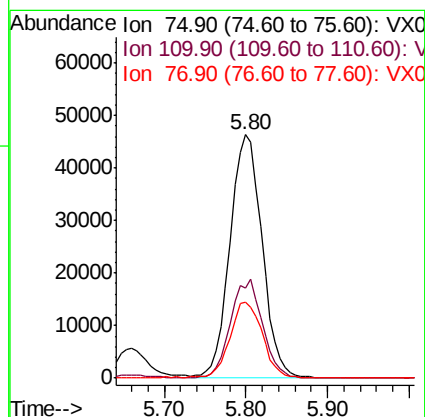
RT: 5.80 min Scan# 762

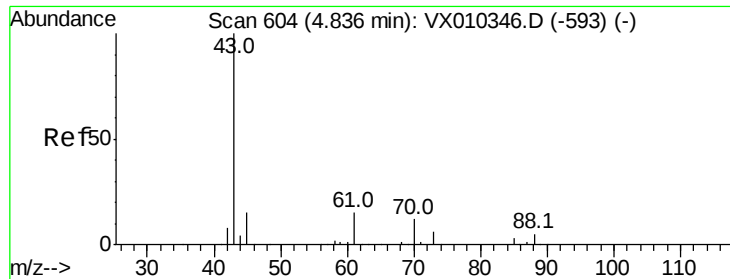
Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

Tgt Ion:	75	Resp:	125609
Ion	Ratio	Lower	Upper
75	100		
110	40.4	20.8	62.2
77	31.8	25.4	38.0





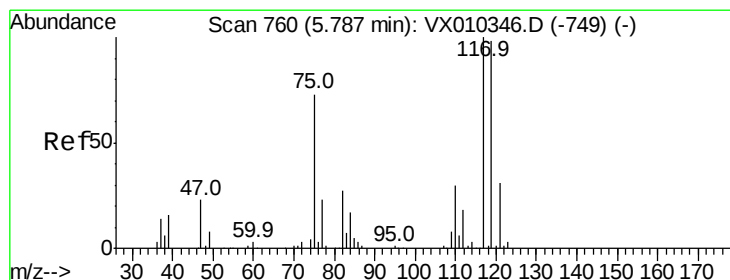
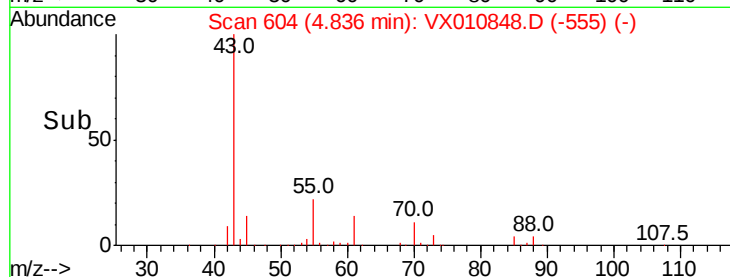
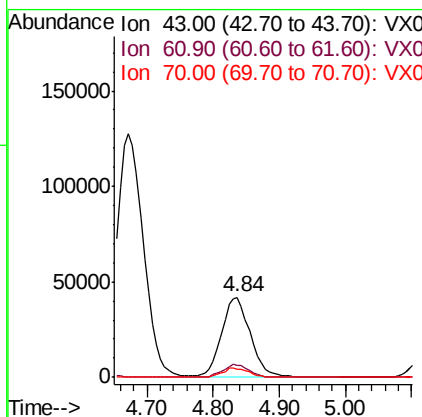
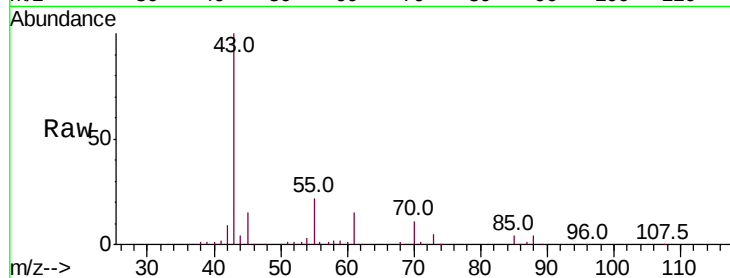
#37
Ethyl Acetate
Concen: 42.783 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Instrument :
MSVOA_X
ClientSampled :
FL-0583MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.4	18.6
70	11.3	9.8	14.8

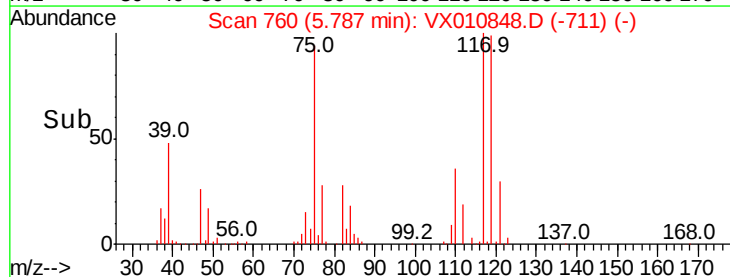
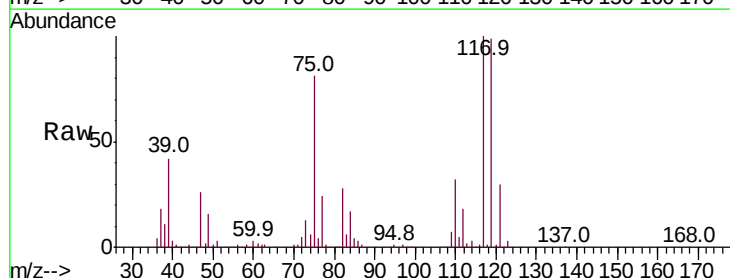
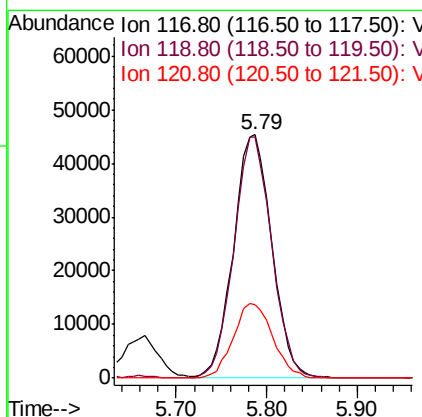
Manual Integrations
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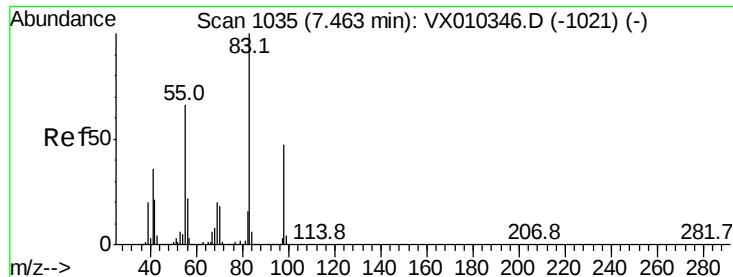
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#38
Carbon Tetrachloride
Concen: 43.007 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.9	78.2	117.4
121	30.2	24.7	37.1





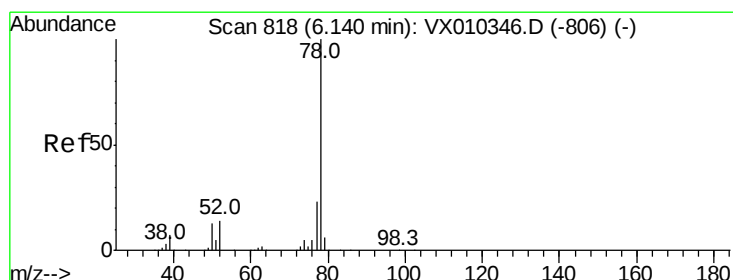
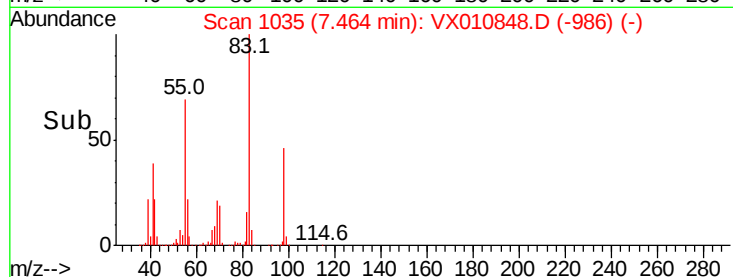
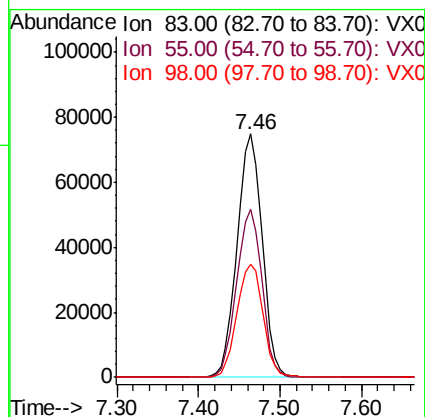
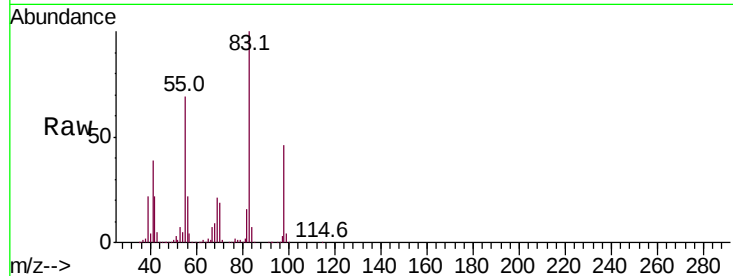
#39
Methvlcvclohexane
Concen: 42.484 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Instrument :
MSVOA_X
ClientSampleId :
FL-0583MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	69.2	53.0	79.6	
98	46.4	37.8	56.8	

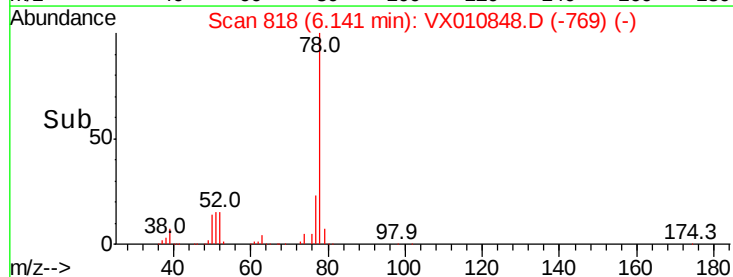
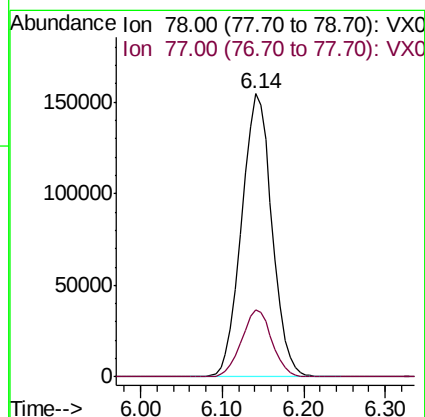
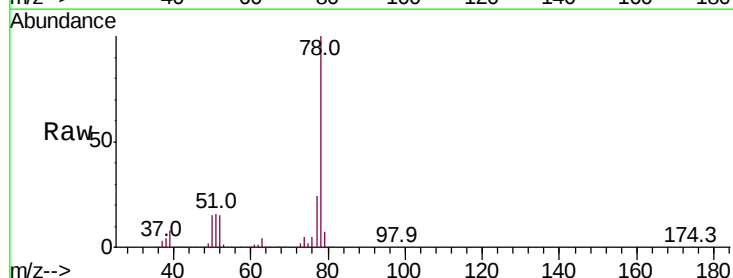
Manual Integrations
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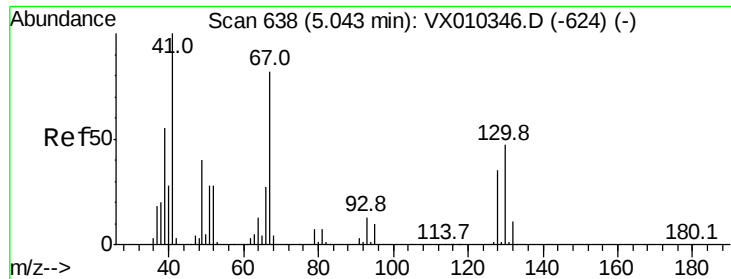
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#40
Benzene
Concen: 45.106 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	18.6	28.0	





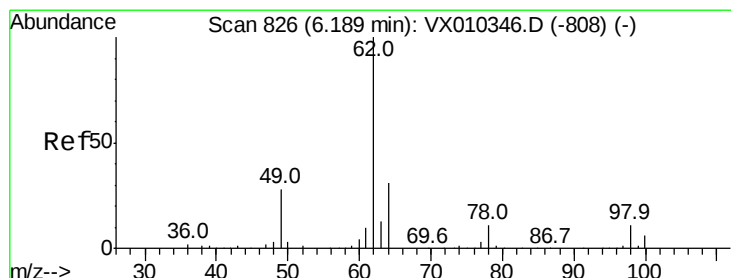
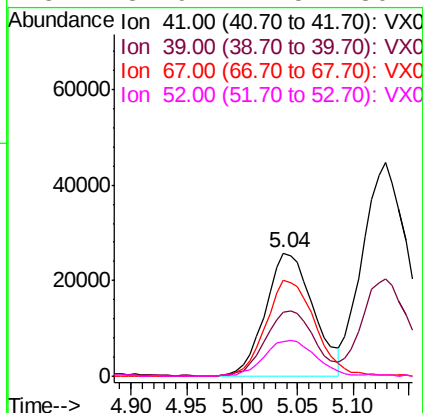
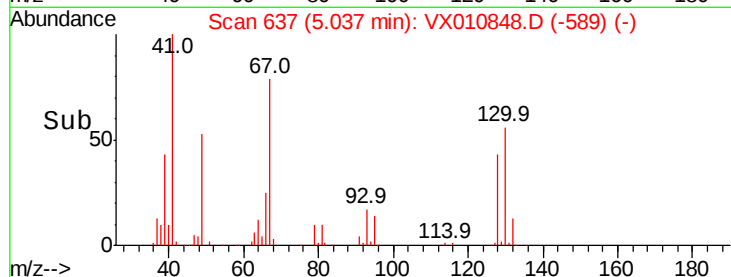
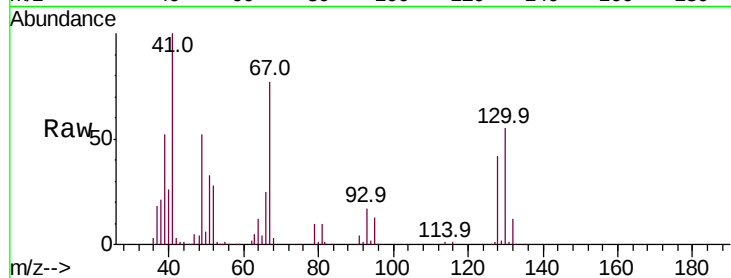
#41
Methacrylonitrile
Concen: 47.851 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Instrument :
MSVOA_X
ClientSampleId :
FL-0583MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.2	43.8	65.8
67	80.5	66.6	100.0
52	31.9	24.5	36.7

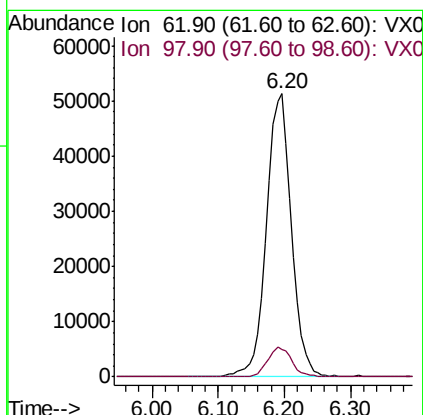
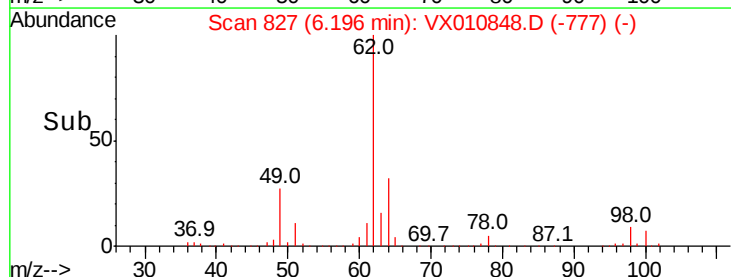
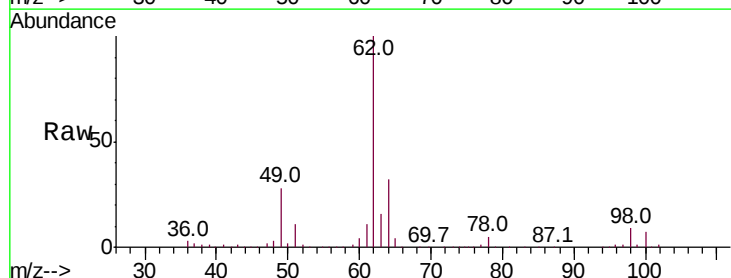
Manual Integrations
APPROVED

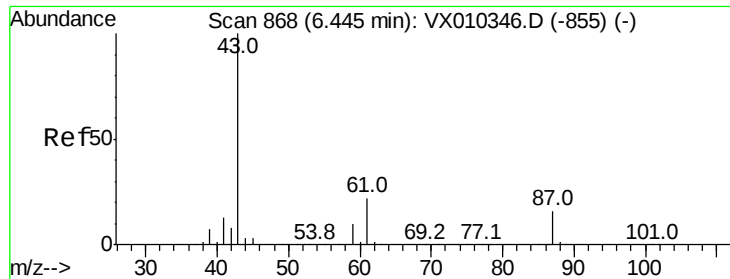
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#42
1,2-Dichloroethane
Concen: 49.778 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	22.2





#43

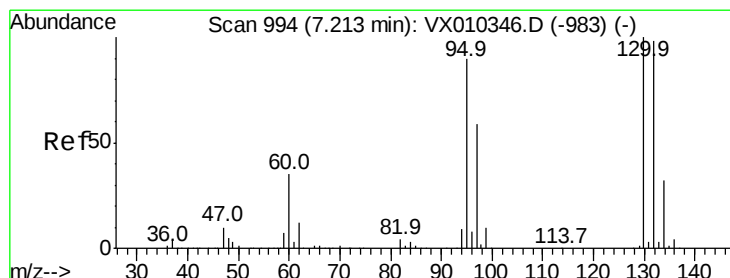
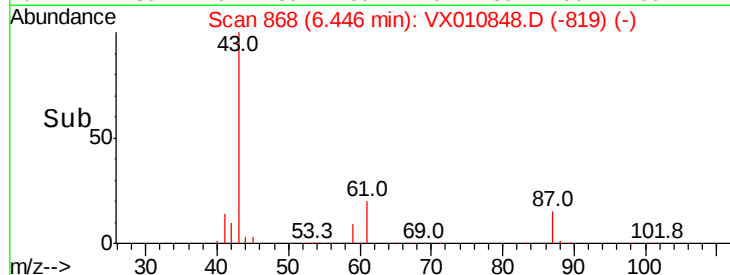
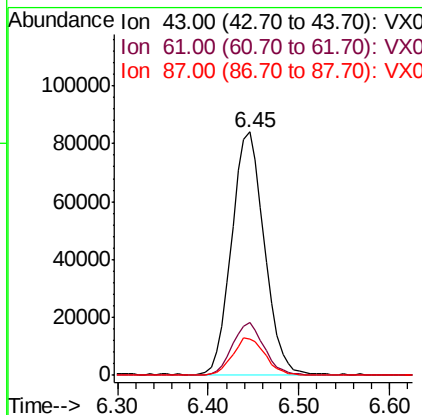
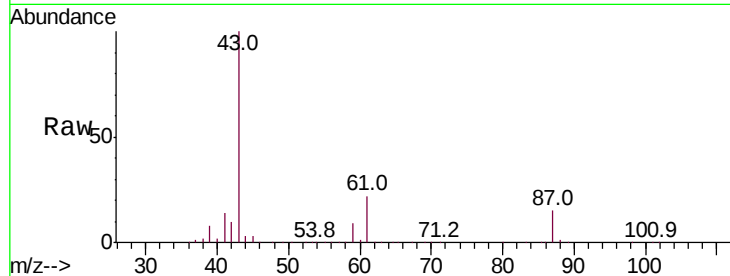
Isopropyl Acetate
 Concen: 43.140 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010848.D
 Acq: 12 Jul 2019 19:56

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0583MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.2	17.8	26.6
87	15.4	13.0	19.4

Manual Integrations
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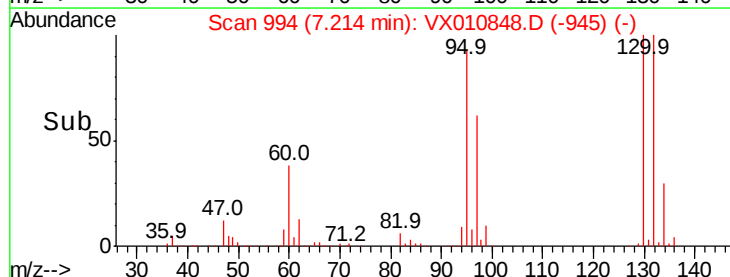
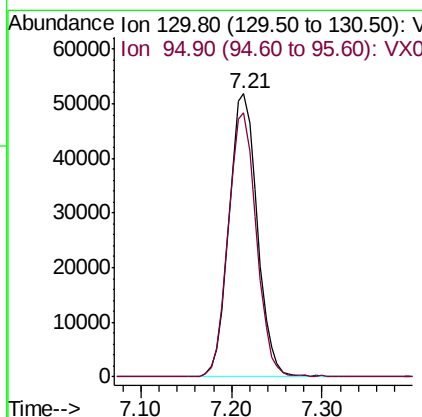
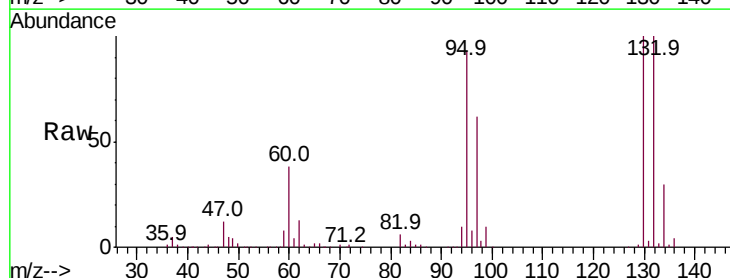
MMDadoda
 7/15/2019 11:01:07 AM

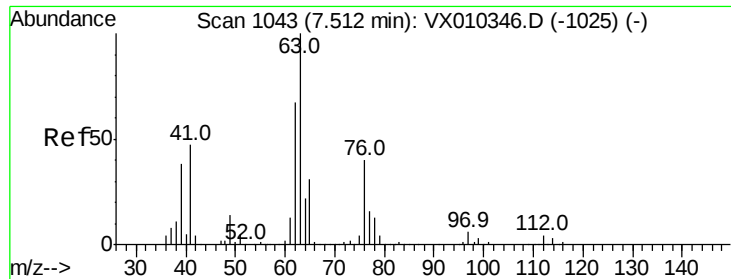


#44

Trichloroethene
 Concen: 42.292 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010848.D
 Acq: 12 Jul 2019 19:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	180.8





#45

1,2-Dichloropropane

Concen: 44.920 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

Instrument :

MSVOA_X

ClientSampleId :

FL-0583MSD

Tot Ion: 63 Resp: 100640

Ion Ratio Lower Upper

63 100

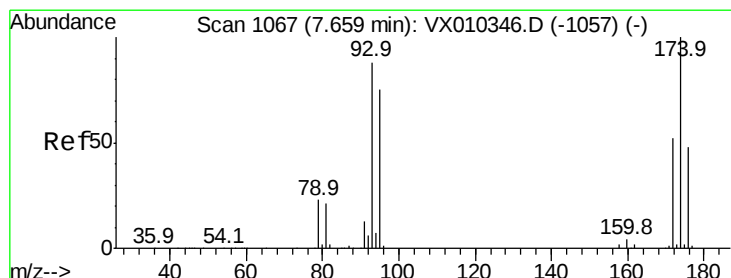
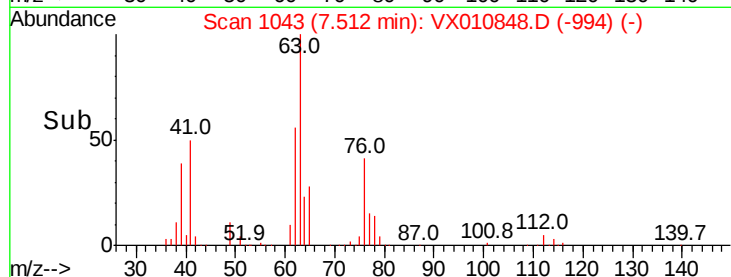
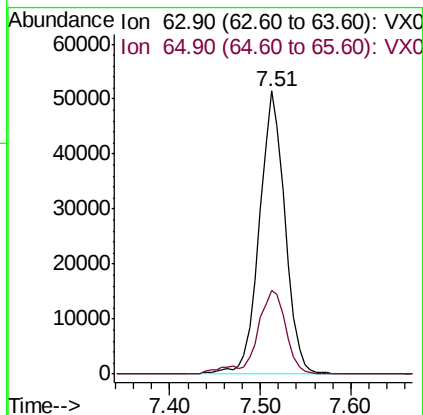
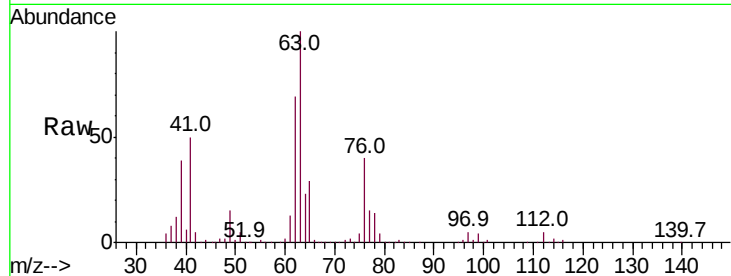
65 29.4 24.8 37.2

Manual Integrations

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#46

Dibromomethane

Concen: 45.238 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

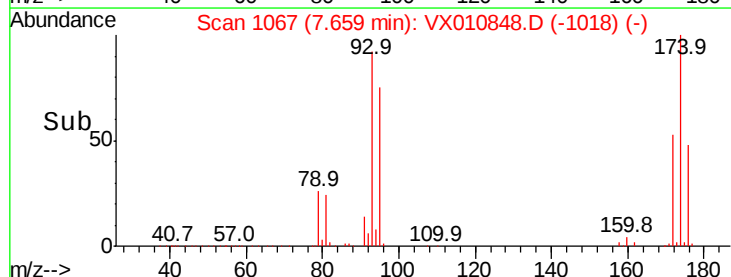
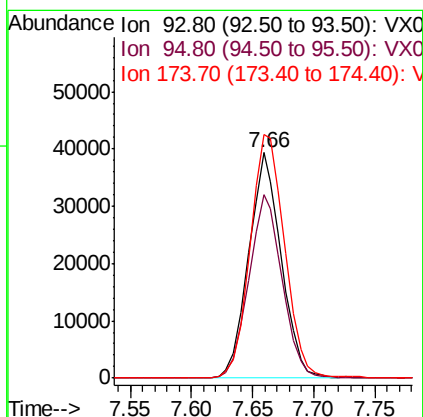
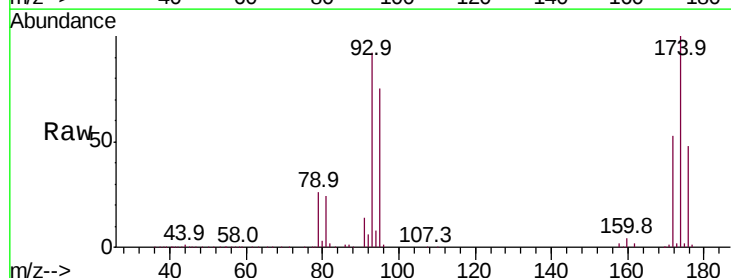
Tgt Ion: 93 Resp: 72718

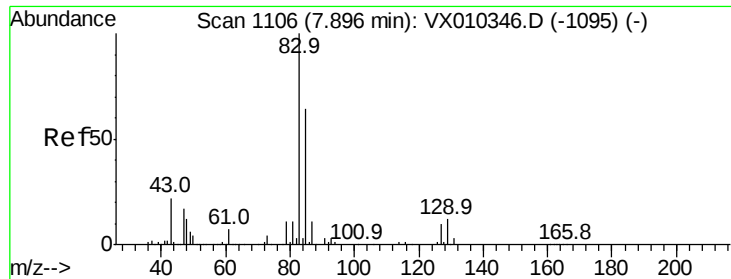
Ion Ratio Lower Upper

93 100

95 83.3 67.5 101.3

174 115.0 95.8 143.6





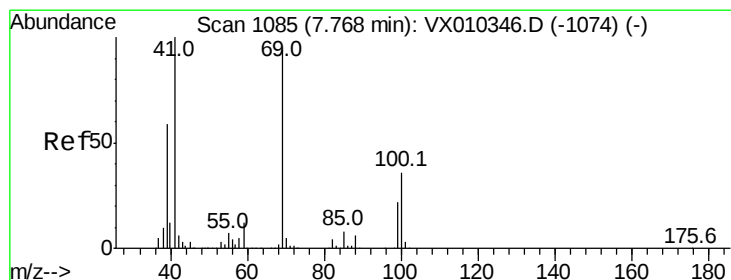
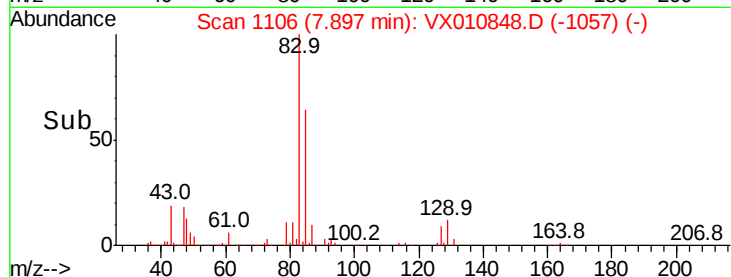
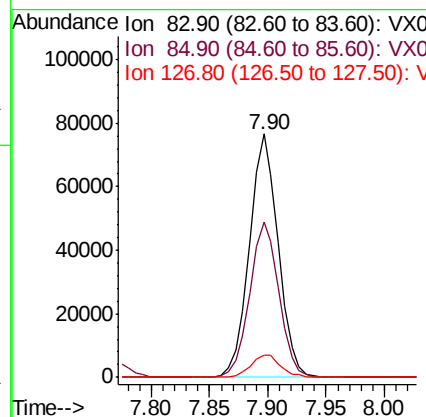
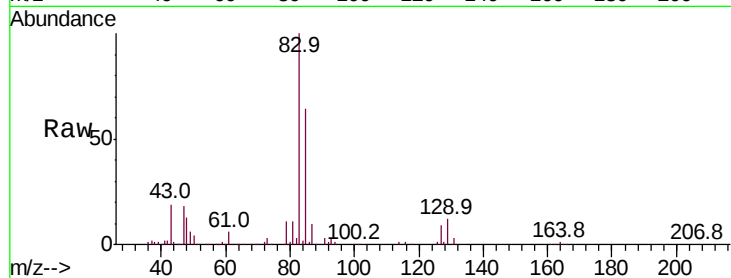
#47
Bromodichloromethane
Concen: 44.815 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Instrument :
MSVOA_X
ClientSampleId :
FL-0583MSD

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.5	77.3
127	9.0	7.8	11.8

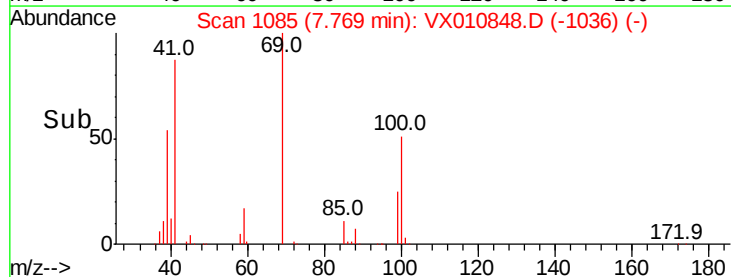
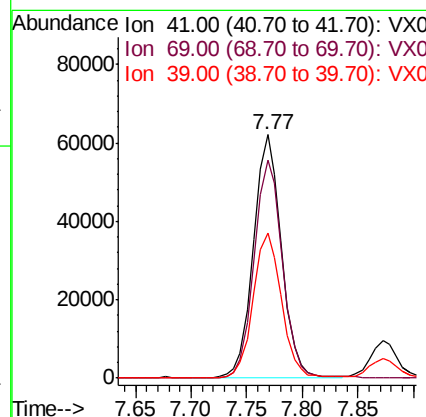
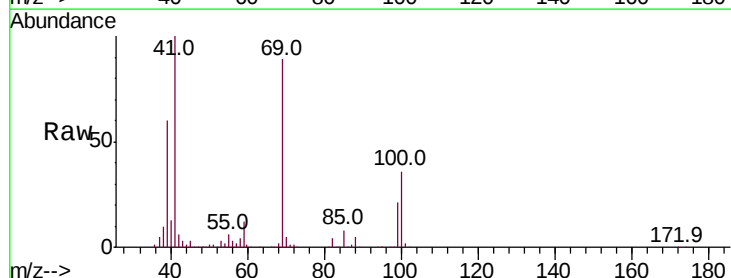
Manual Integrations
APPROVED

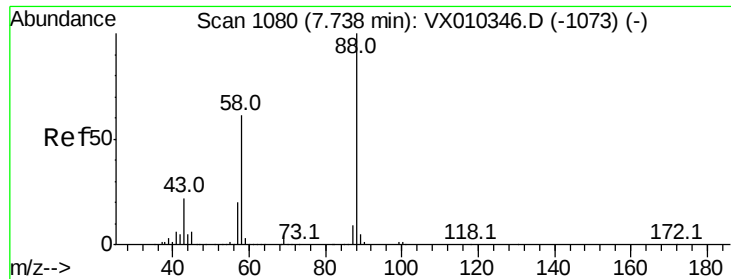
MMDadoda
7/15/2019 11:01:07 AM



#48
Methyl methacrylate
Concen: 48.041 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.9	76.1	114.1
39	60.0	47.6	71.4





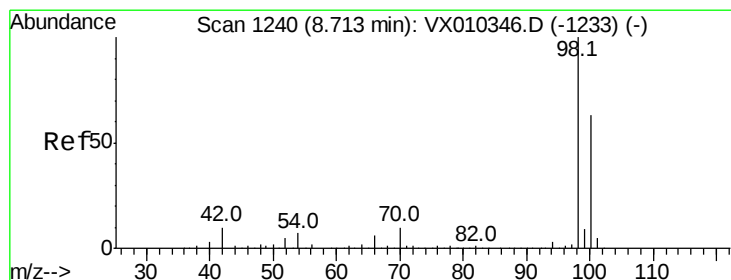
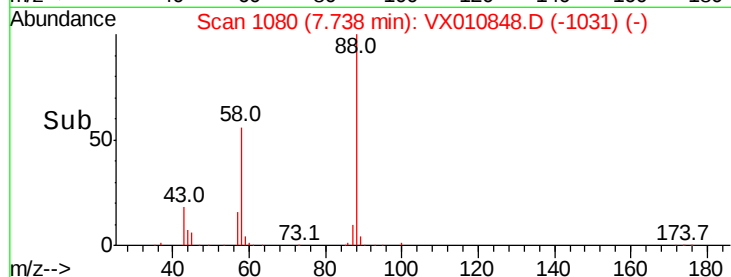
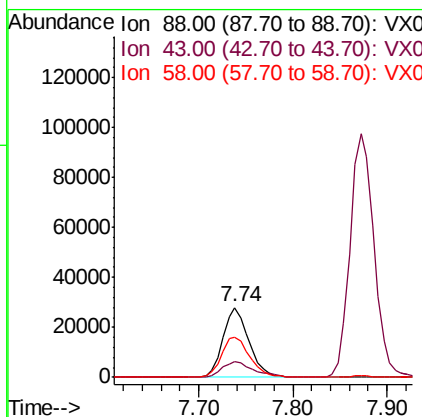
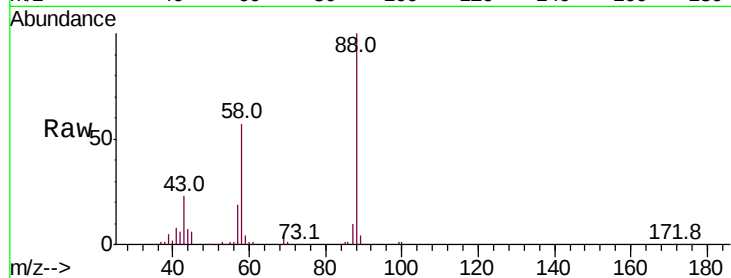
#49
1,4-Dioxane
Concen: 820.006 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Instrument :
MSVOA_X
ClientSampleId :
FL-0583MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.3	20.2	30.2
58	62.9	49.5	74.3

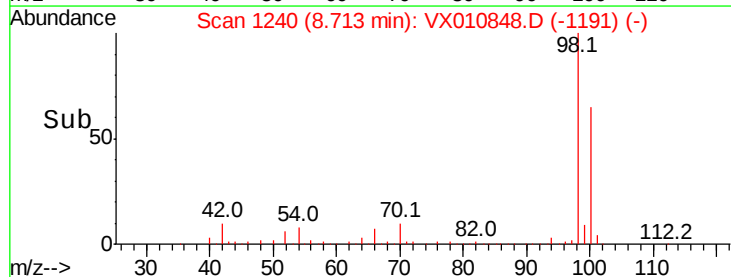
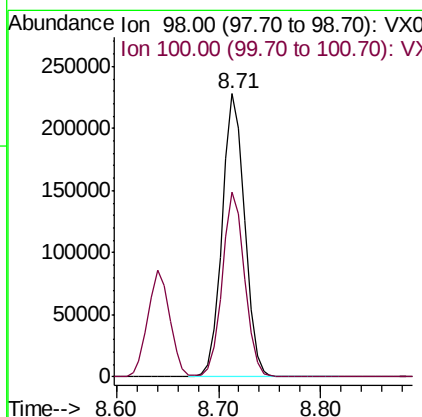
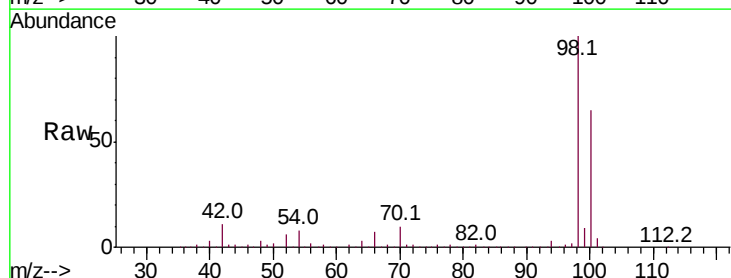
Manual Integrations
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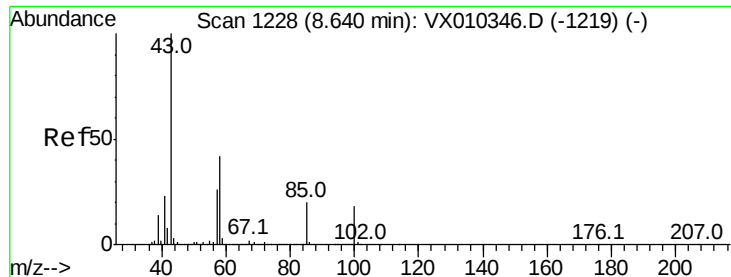
MMDadoda
7/15/2019 11:01:07 AM



#50
Toluene-d8
Concen: 41.670 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 242.298 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

Instrument :

MSVOA_X

ClientSampled :

FL-0583MSD

Tot Ion: 43 Resp: 751116

Ion Ratio Lower Upper

43 100

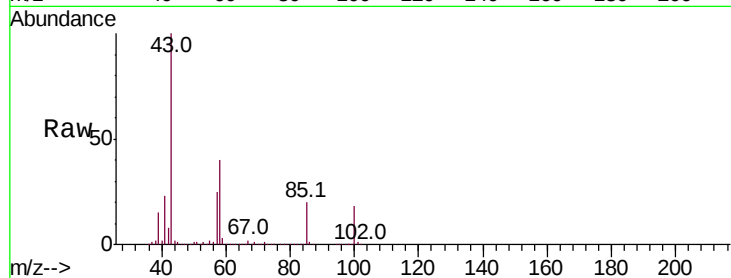
58 39.7 33.5 50.3

Manual Integrations

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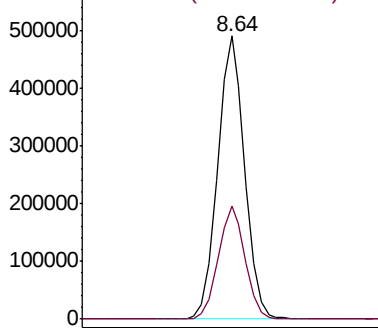
MMDadoda

7/15/2019 11:01:07 AM

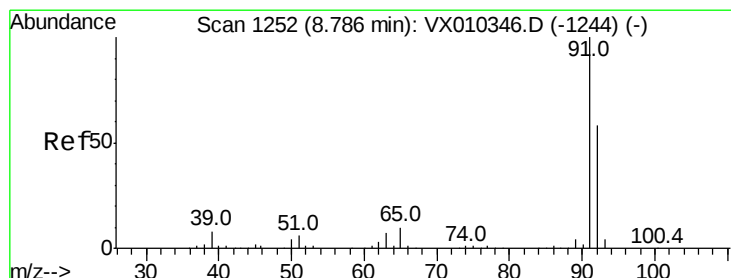
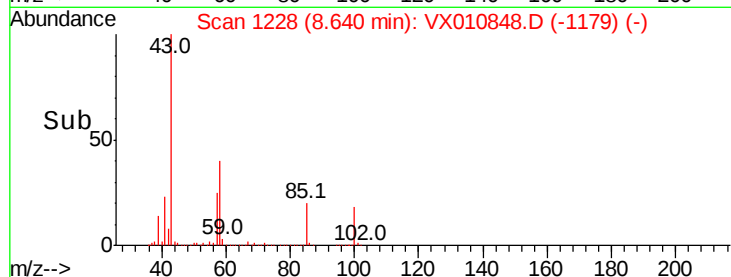


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#52

Toluene

Concen: 44.379 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010848.D

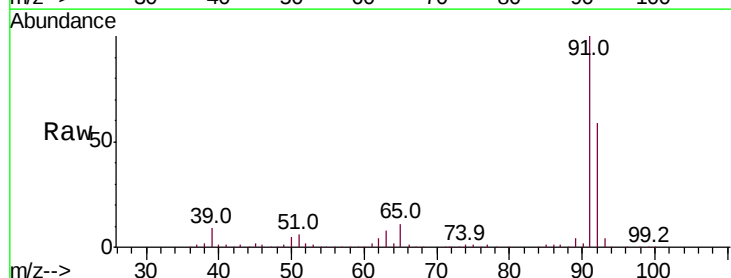
Acq: 12 Jul 2019 19:56

Tgt Ion: 92 Resp: 259284

Ion Ratio Lower Upper

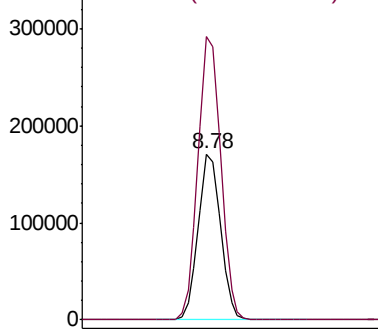
92 100

91 174.6 139.8 209.6

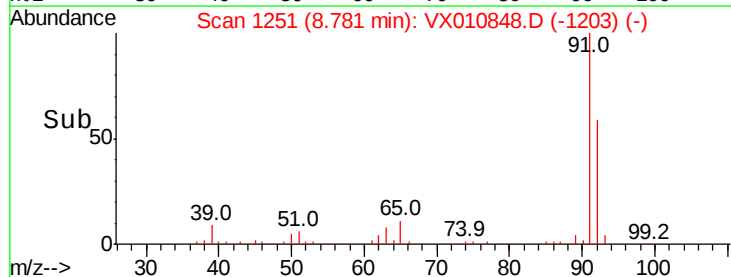


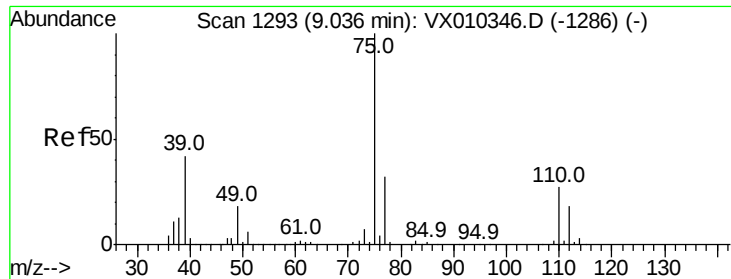
Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->





#53

t-1,3-Dichloropropene

Concen: 41.761 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

Instrument :

MSVOA_X

ClientSampled :

FL-0583MSD

Tot Ion: 75 Resp: 137924

Ion Ratio Lower Upper

75 100

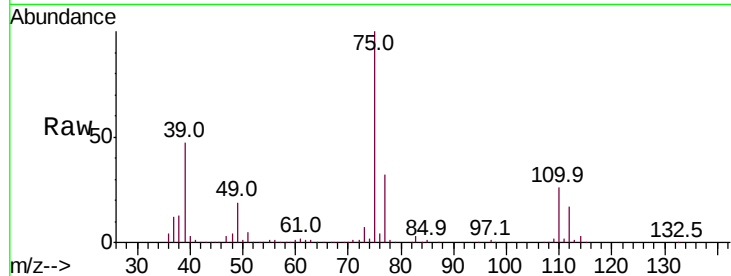
77 32.0 25.4 38.2

Manual Integrations

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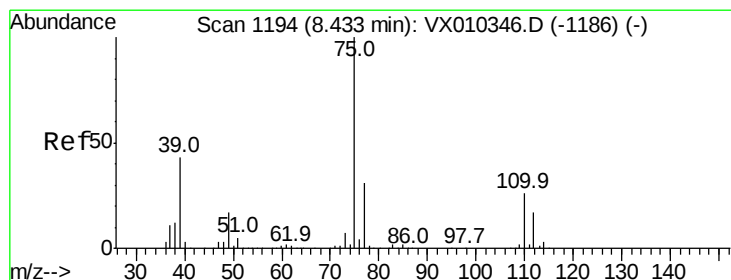
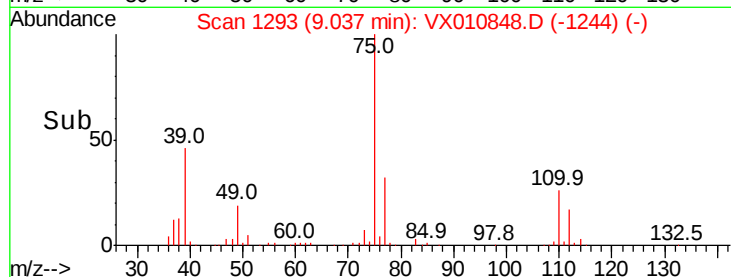
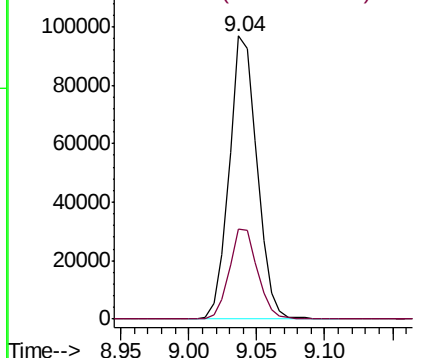
MMDadoda

7/15/2019 11:01:07 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 42.309 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

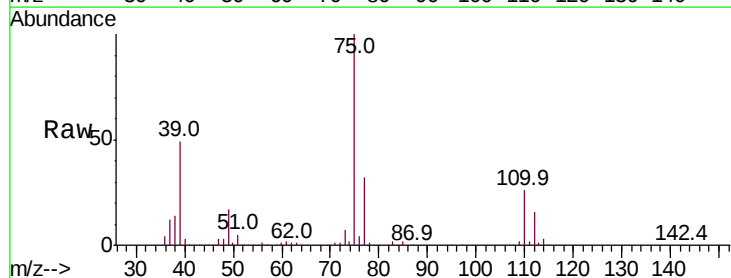
Tgt Ion: 75 Resp: 151853

Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8

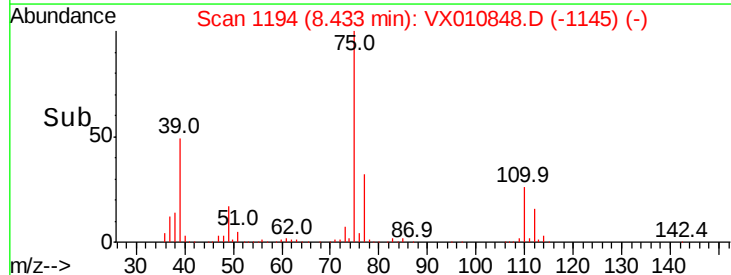
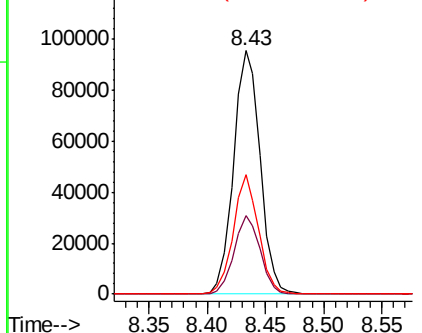
39 48.6 34.5 51.7

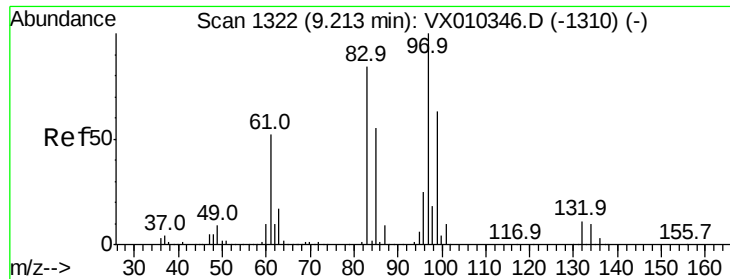


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





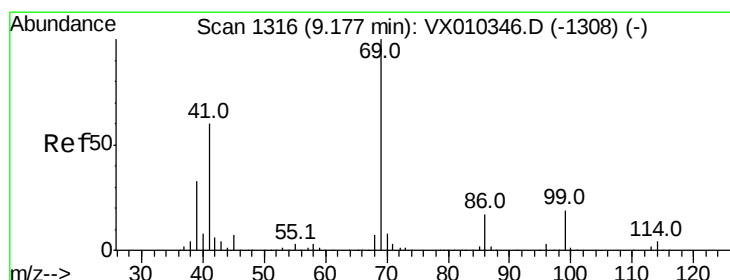
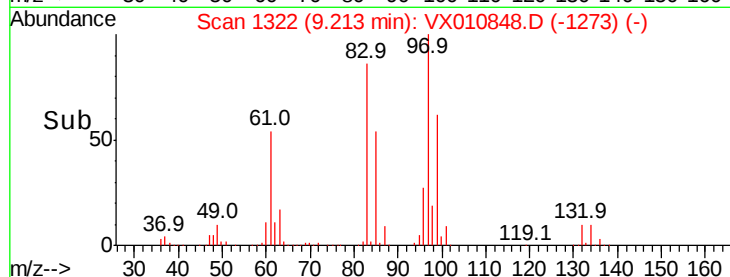
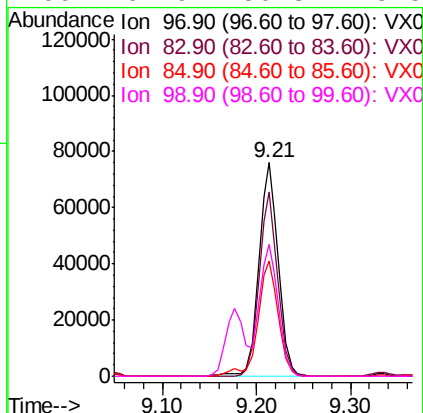
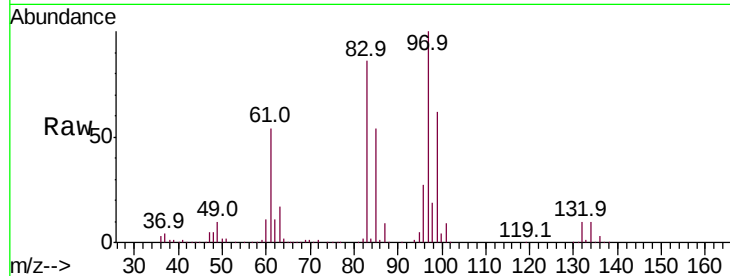
#55
1,1,2-Trichloroethane
Concen: 45.676 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Instrument :
MSVOA_X
ClientSampleId :
FL-0583MSD

Tot Ion	Ratio	Resp	Lower	Upper
97	100	110061		
83	86.3	67.4	101.0	
85	54.2	43.8	65.8	
99	61.9	50.3	75.5	

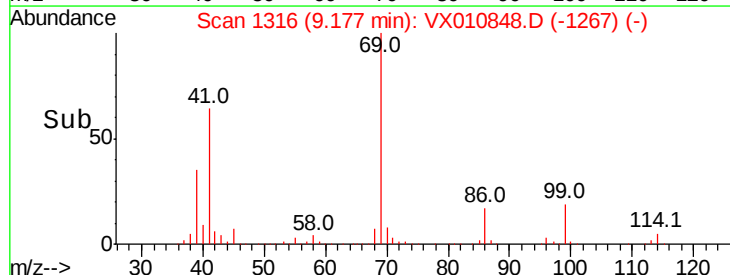
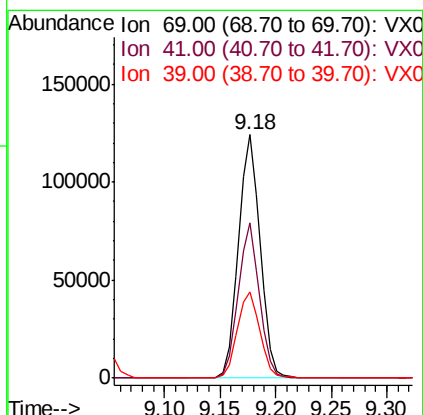
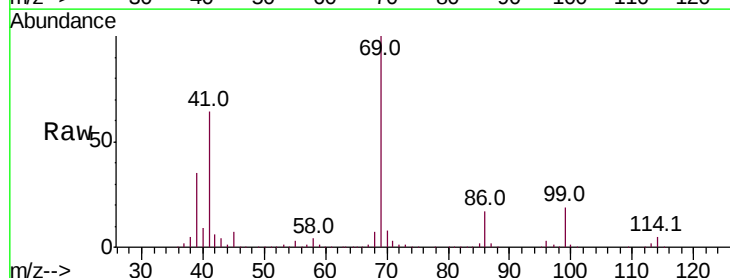
Manual Integrations
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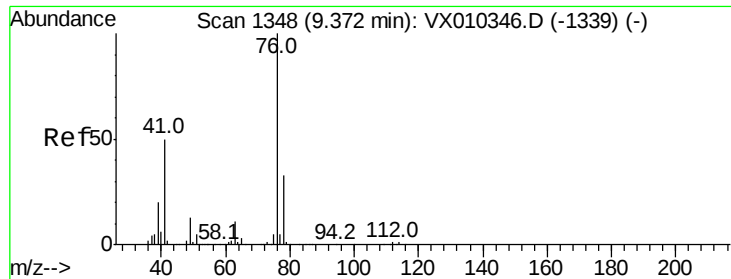
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#56
Ethyl methacrylate
Concen: 45.940 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	167691		
41	62.4	47.1	70.7	
39	36.3	26.6	40.0	





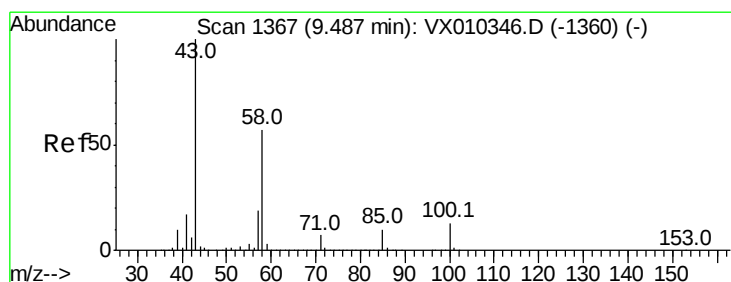
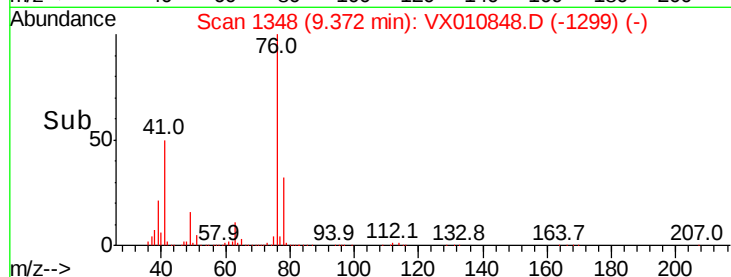
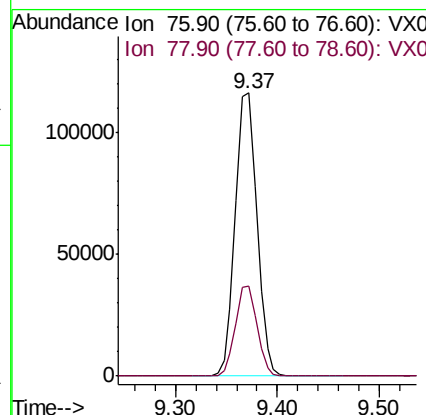
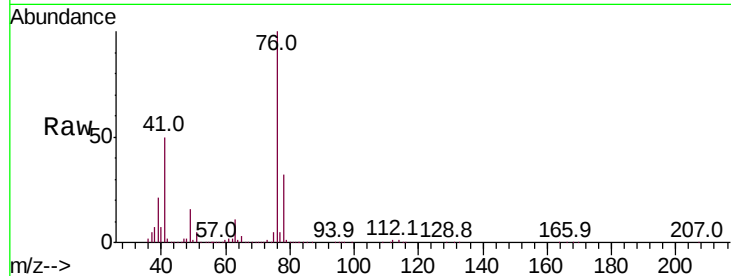
#57
 1,3-Dichloropropane
 Concen: 45.901 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX010848.D
 Acq: 12 Jul 2019 19:56

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0583MSD

Tot Ion: 76 Resp: 171689
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.1 39.1

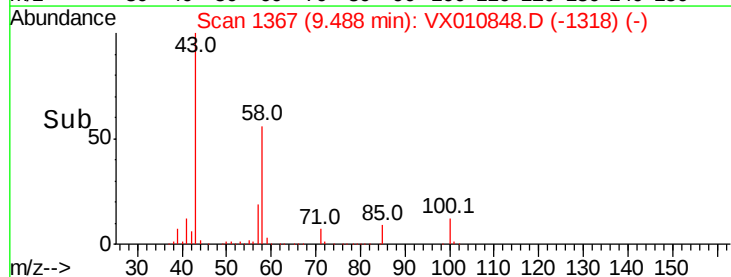
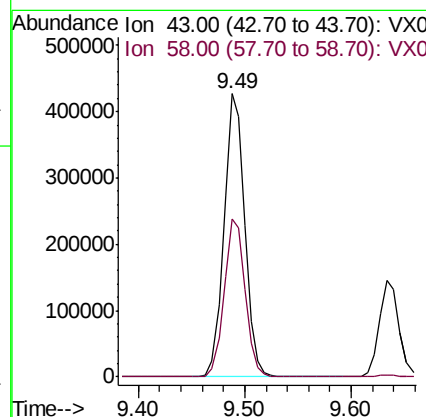
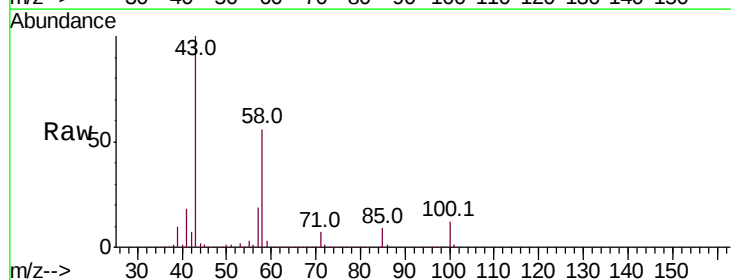
Manual Integrations
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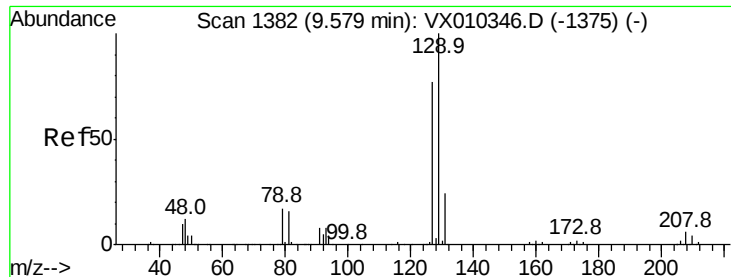
MMDadoda
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#59
 2-Hexanone
 Concen: 237.194 ug/l
 RT: 9.49 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VX010848.D
 Acq: 12 Jul 2019 19:56

Tgt Ion: 43 Resp: 578702
 Ion Ratio Lower Upper
 43 100
 58 56.3 29.0 87.1





#60

Dibromochloromethane

Concen: 43.250 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

Instrument :

MSVOA_X

ClientSampleId :

FL-0583MSD

Tot Ion:129 Resp: 116685

Ion Ratio Lower Upper

129 100

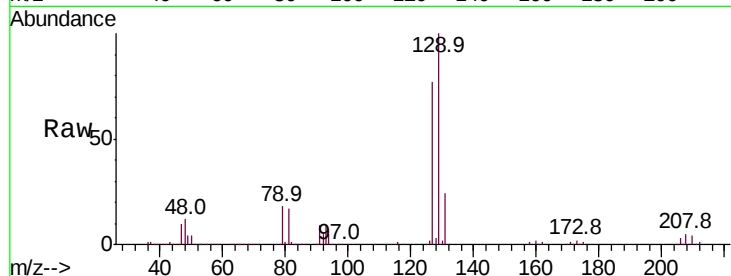
127 77.0 38.4 115.1

Manual Integrations

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

80000

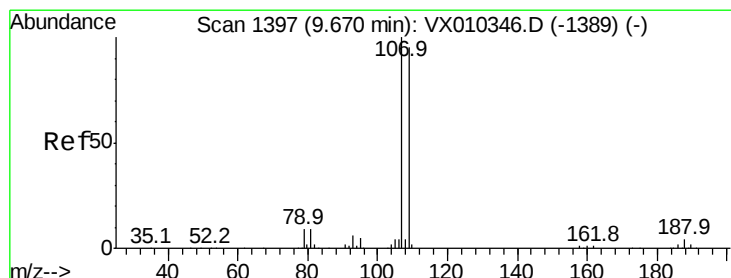
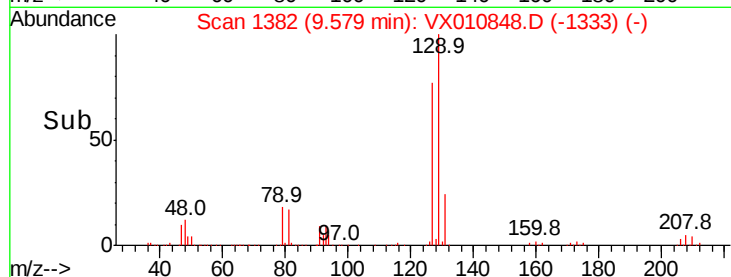
60000

40000

20000

0

Time--> 9.50 9.55 9.60 9.65 9.70



#61

1,2-Dibromoethane

Concen: 44.798 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010848.D

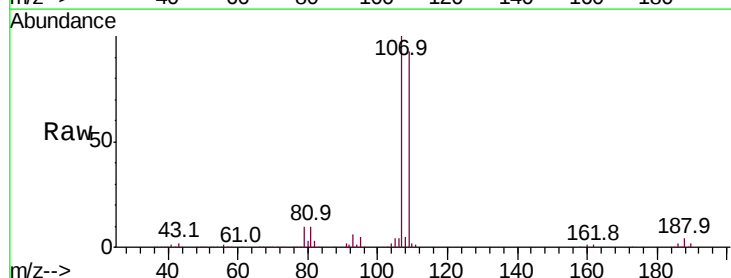
Acq: 12 Jul 2019 19:56

Tgt Ion:107 Resp: 116515

Ion Ratio Lower Upper

107 100

109 94.0 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

100000

80000

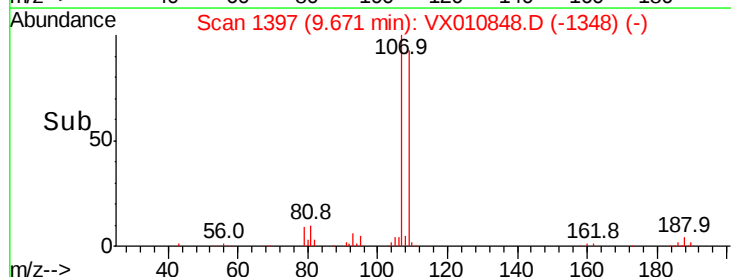
60000

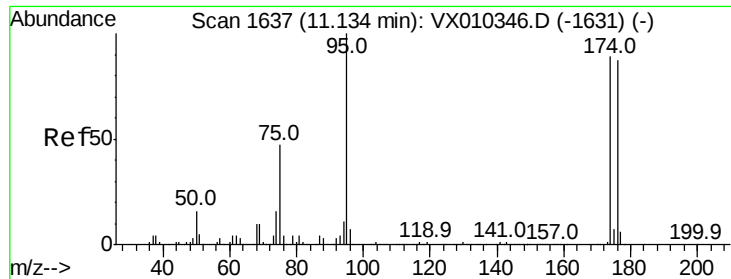
40000

20000

0

Time--> 9.60 9.65 9.70 9.75 9.80





#62

4-Bromofluorobenzene

Concen: 45.199 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

Instrument :

MSVOA_X

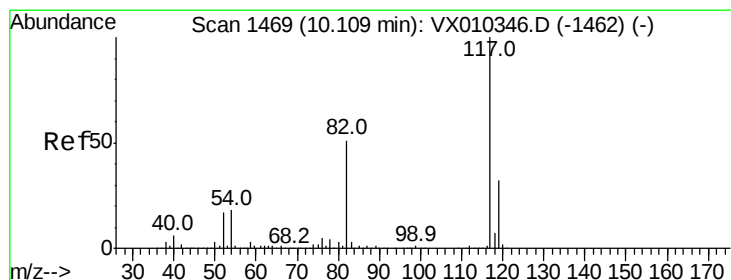
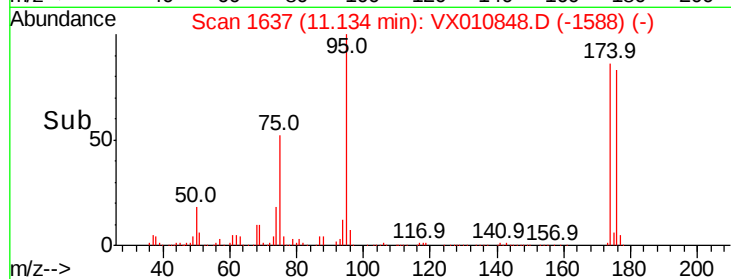
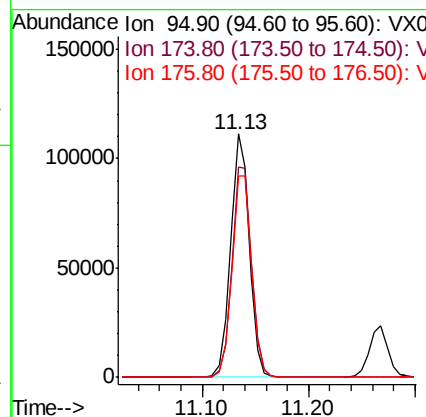
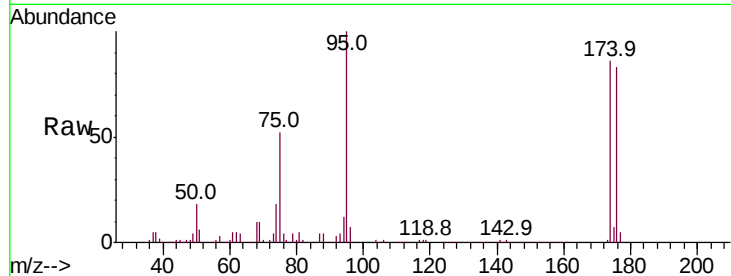
ClientSampleId :

FL-0583MSD

Tot Ion:	95	Resp:	136881
Ion Ratio	Lower	Upper	
95	100		
174	90.3	0.0	187.6
176	86.9	0.0	184.0

Manual Integrations
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7/15/2019 11:01:07 AM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

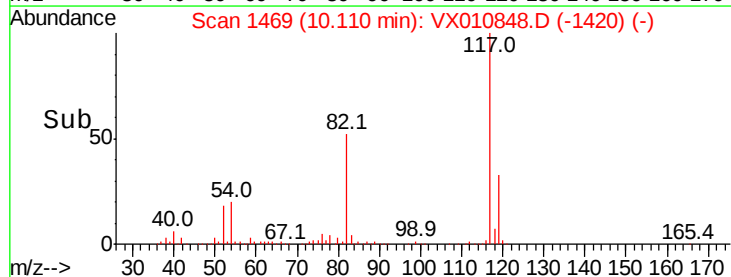
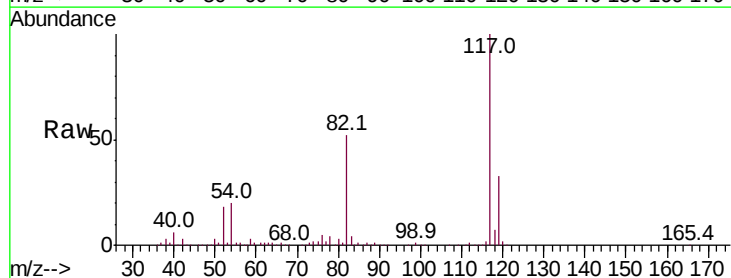
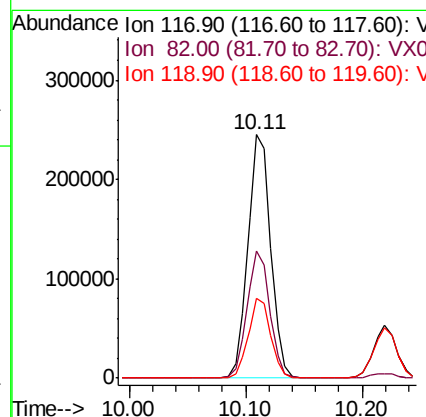
RT: 10.11 min Scan# 1469

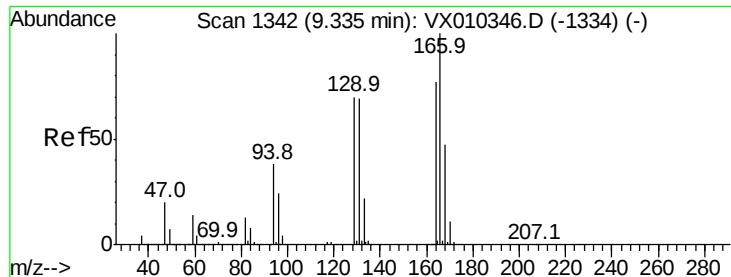
Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

Tgt Ion:	117	Resp:	335180
Ion Ratio	Lower	Upper	
117	100		
82	52.3	41.2	61.8
119	32.9	25.5	38.3





#64

Tetrachloroethene

Concen: 37.577 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

Instrument :

MSVOA_X

ClientSampleId :

FL-0583MSD

Tot Ion:164 Resp: 101873

Ion Ratio Lower Upper

164 100

166 129.8 103.6 155.4

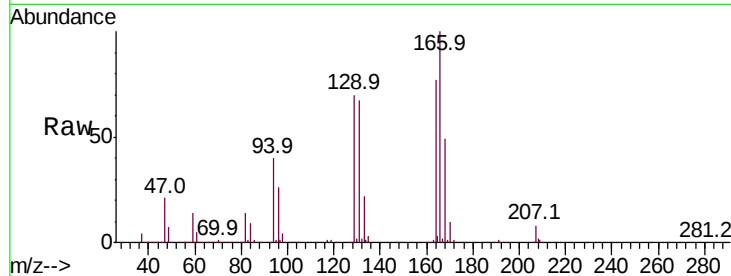
129 91.1 73.0 109.4

131 86.9 71.0 106.4

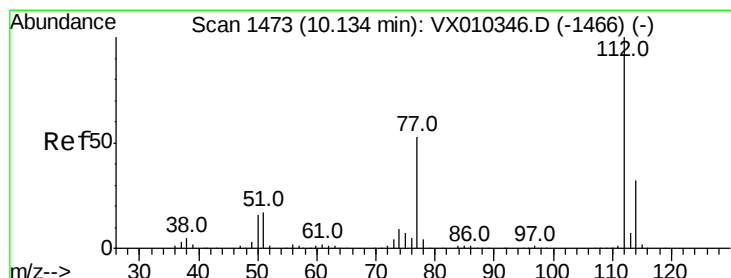
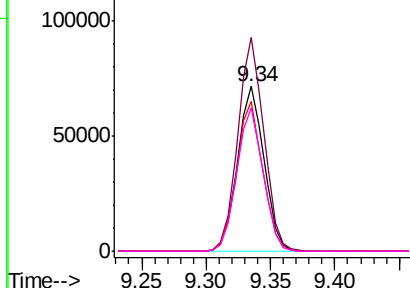
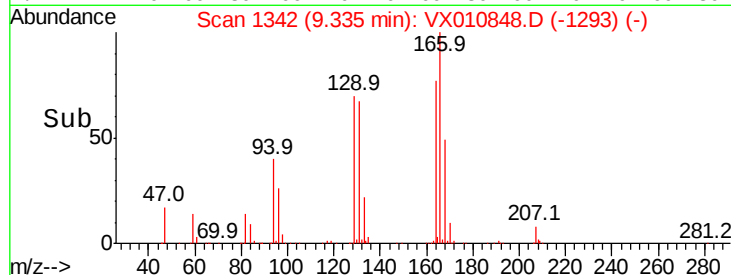
Manual Integrations
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Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 43.243 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX010848.D

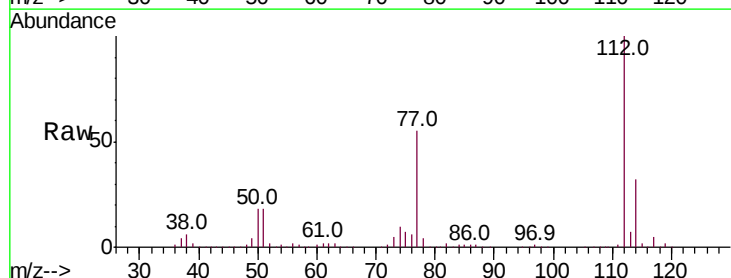
Acq: 12 Jul 2019 19:56

Tgt Ion:112 Resp: 294259

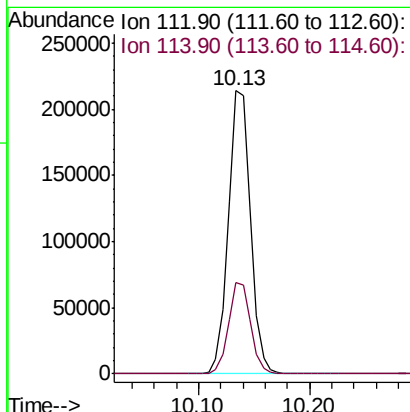
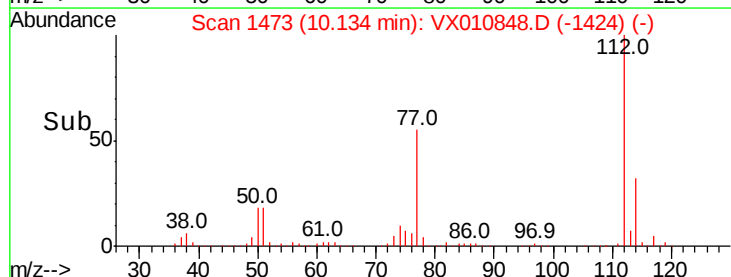
Ion Ratio Lower Upper

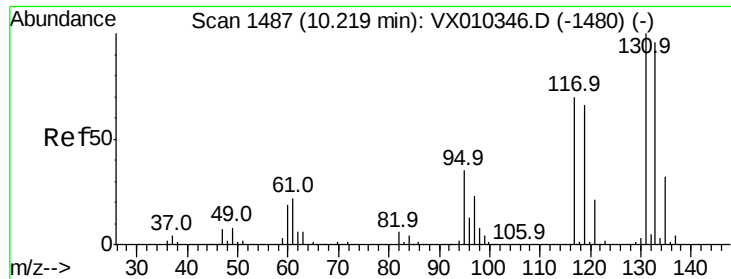
112 100

114 32.2 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





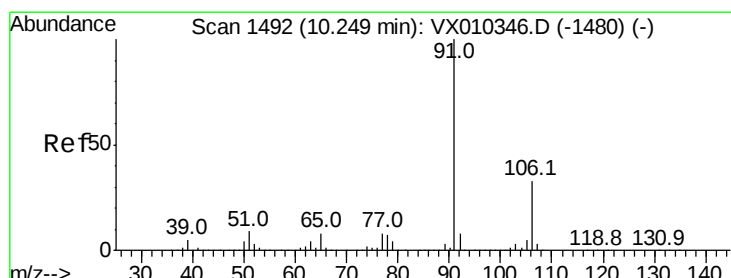
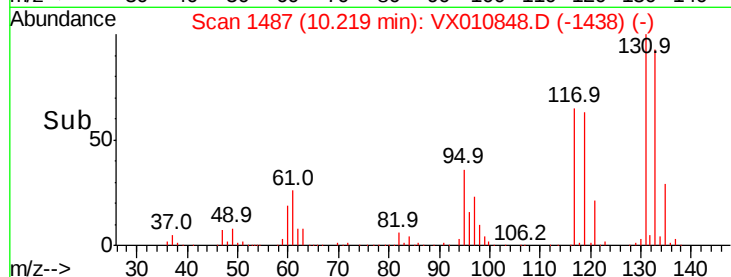
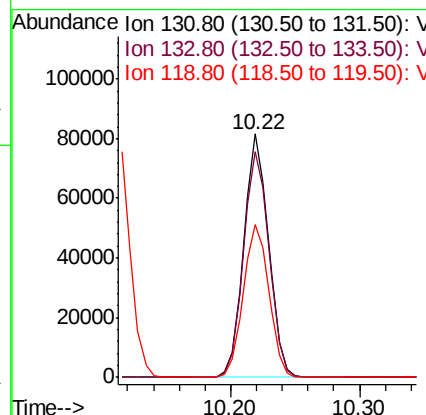
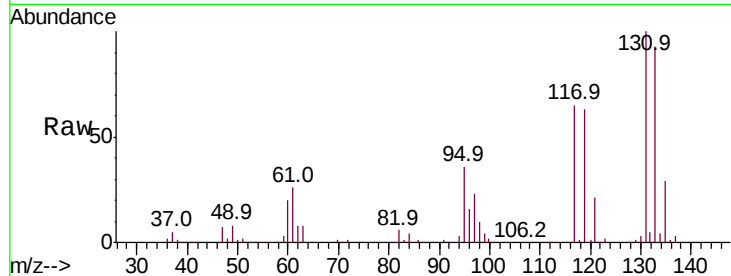
#66
 1,1,1,2-Tetrachloroethane
 Concen: 43.743 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX010848.D
 Acq: 12 Jul 2019 19:56

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0583MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.7	143.1
119	64.8	32.6	97.7

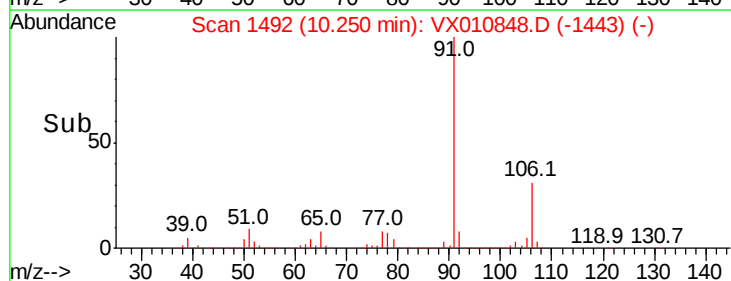
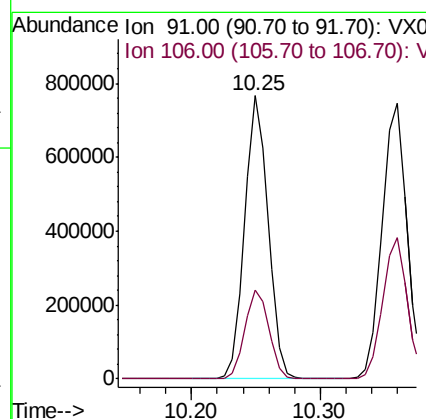
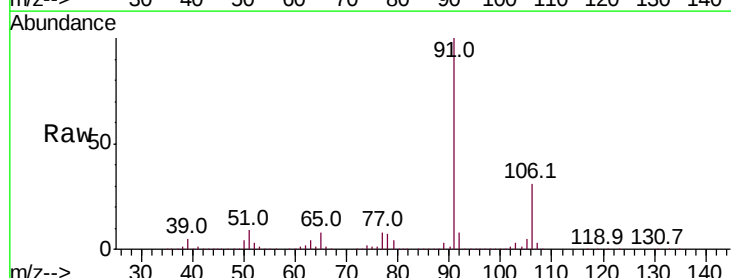
Manual Integrations
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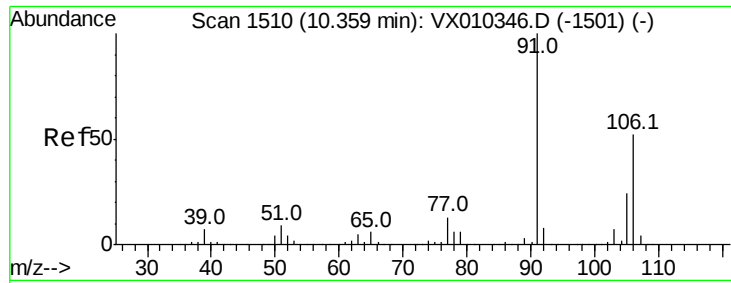
MMDadoda
 7/15/2019 11:01:07 AM



#67
 Ethyl Benzene
 Concen: 84.024 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX010848.D
 Acq: 12 Jul 2019 19:56

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.3	26.2	39.2





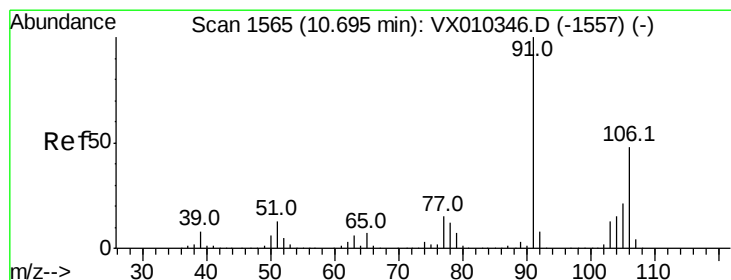
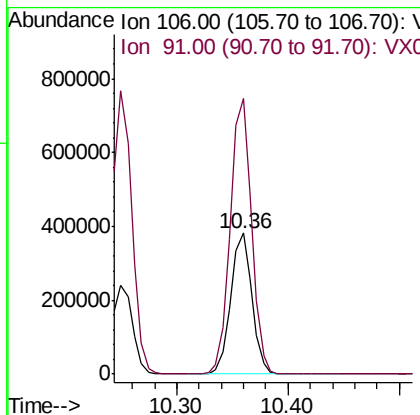
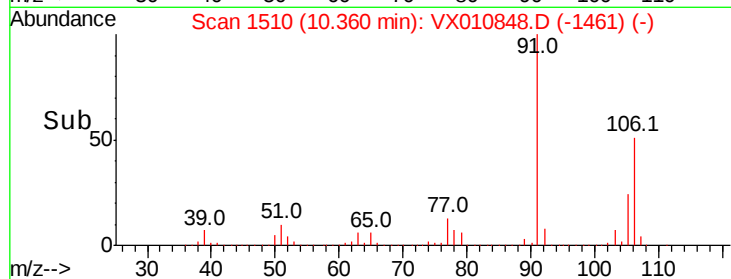
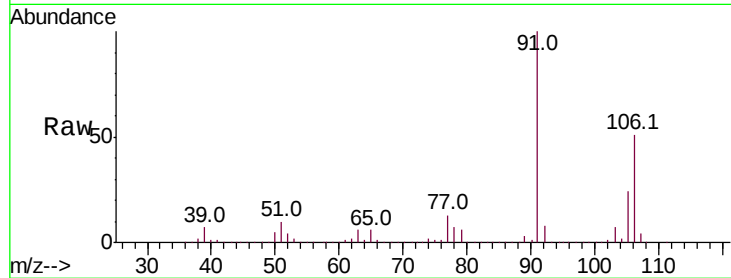
#68
m/p-Xvlenes
Concen: 112.236 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Instrument :
MSVOA_X
ClientSampled :
FL-0583MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		499598		
91	197.5	155.3	232.9		

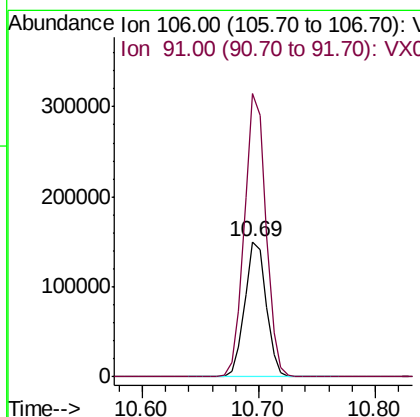
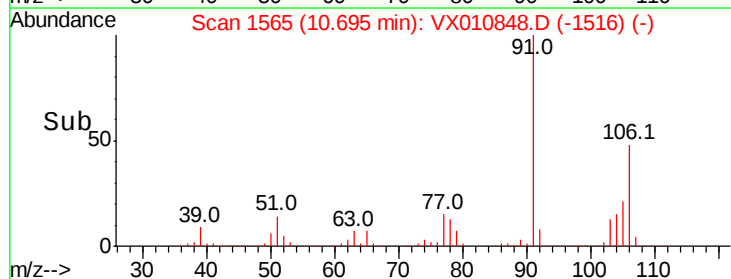
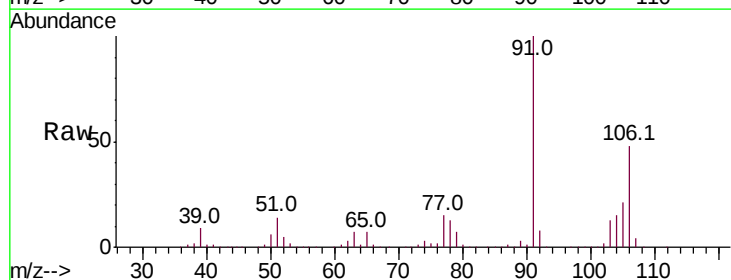
Manual Integrations
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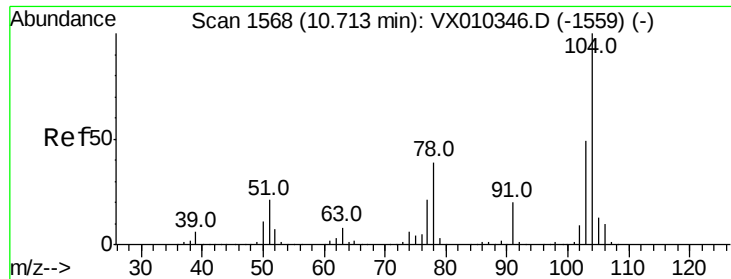
MMDadoda
7/15/2019 11:01:07 AM



#69
o-Xylene
Concen: 44.601 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		195238		
91	208.9	102.7	308.1		





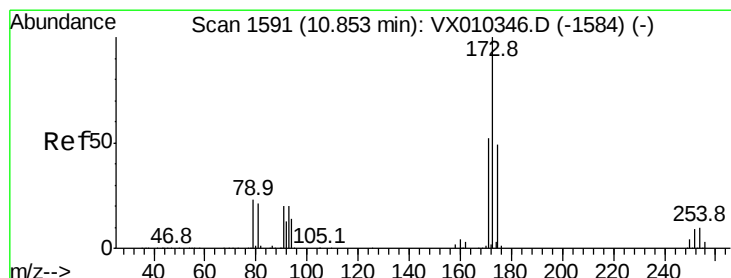
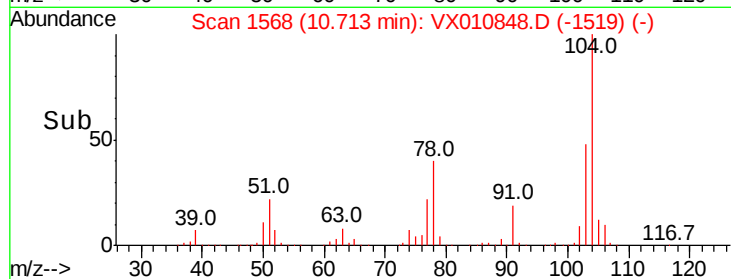
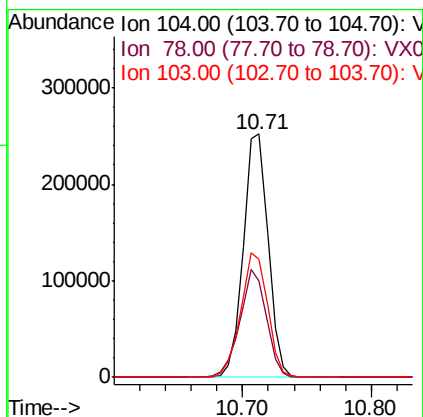
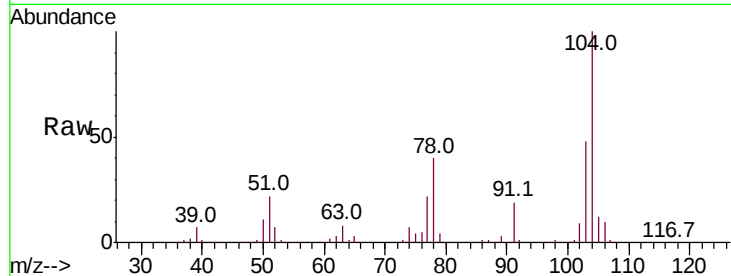
#70
Stvrene
Concen: 45.572 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Instrument :
MSVOA_X
ClientSampleId :
FL-0583MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.4	36.2	54.2
103	55.4	44.2	66.4

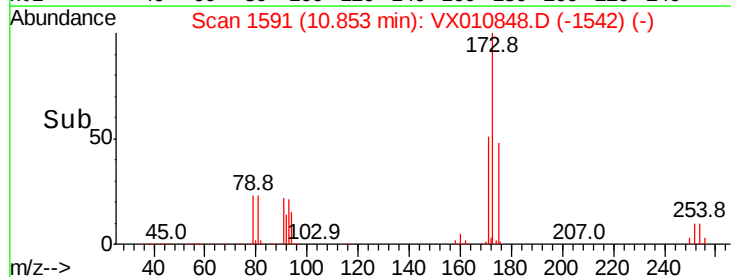
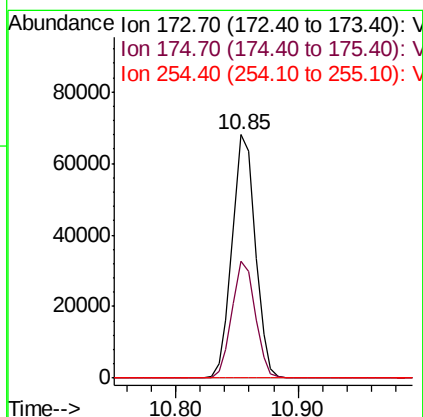
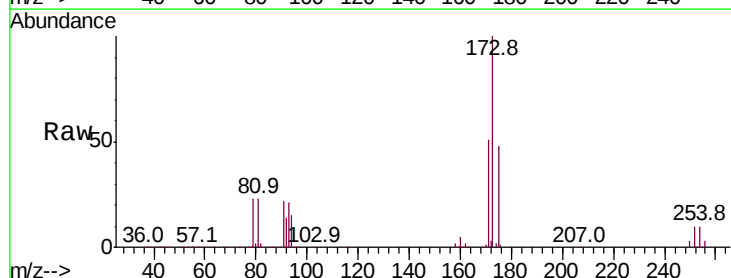
Manual Integrations
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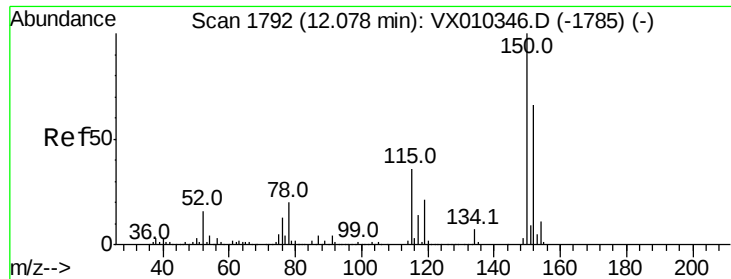
MMDadoda
7/15/2019 11:01:07 AM



#71
Bromoform
Concen: 41.352 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.1	72.3
254	0.2	0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

Instrument :

MSVOA_X

ClientSampleId :

FL-0583MSD

Tot Ion:152 Resp: 176058

Ion Ratio Lower Upper

152 100

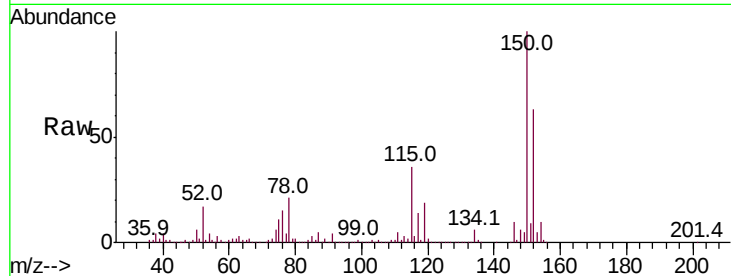
115 76.9 38.6 115.7

150 168.9 0.0 347.4

Manual Integrations
APPROVED

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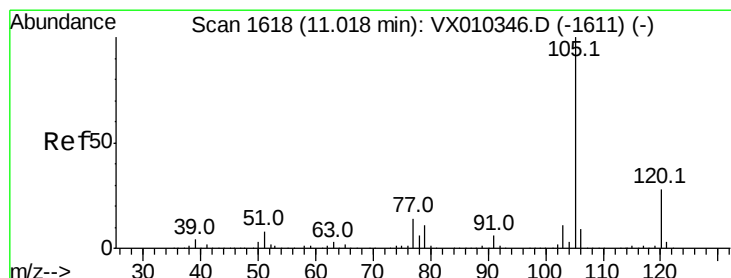
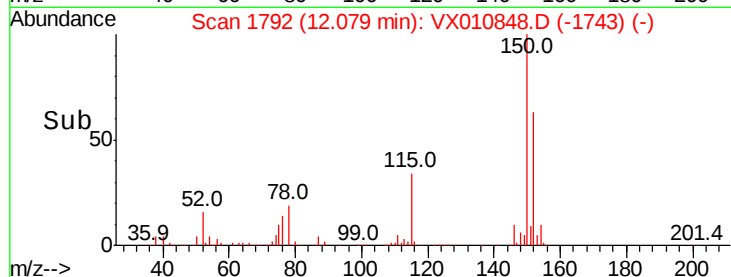
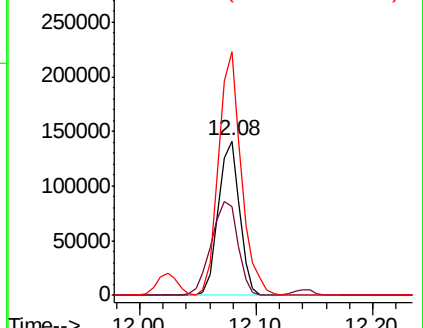
7/15/2019 11:01:07 AM



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: 46.501 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010848.D

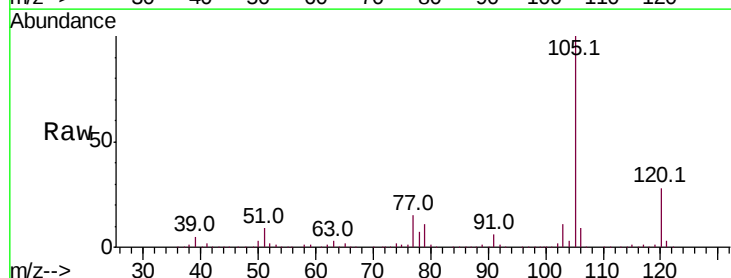
Acq: 12 Jul 2019 19:56

Tgt Ion:105 Resp: 554973

Ion Ratio Lower Upper

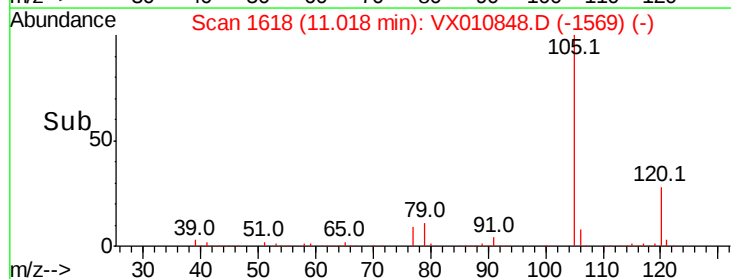
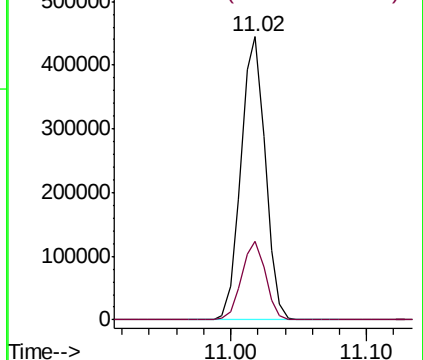
105 100

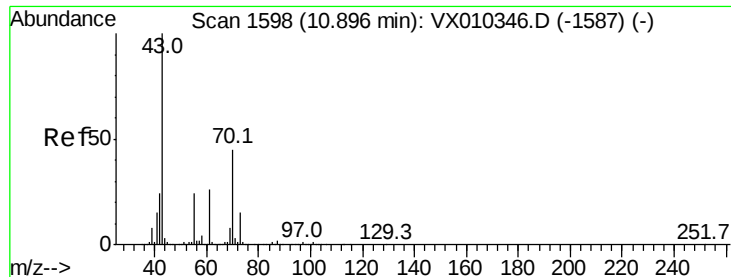
120 27.2 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 41.619 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

Instrument :

MSVOA_X

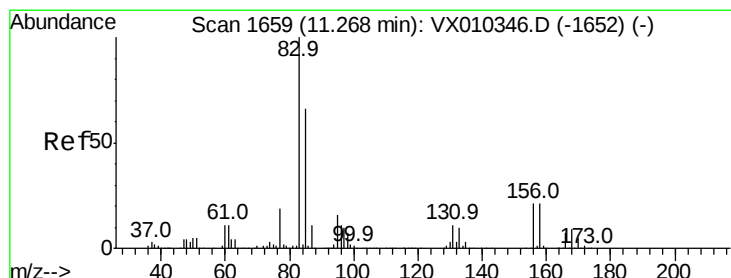
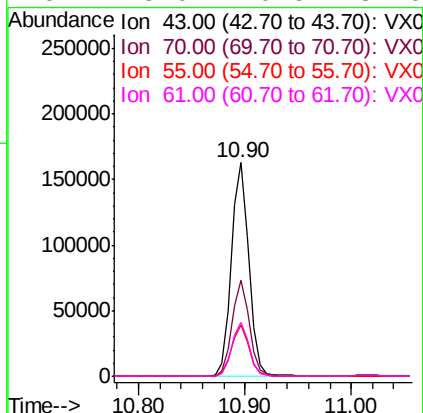
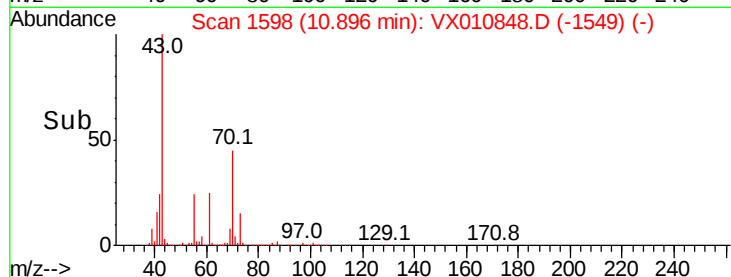
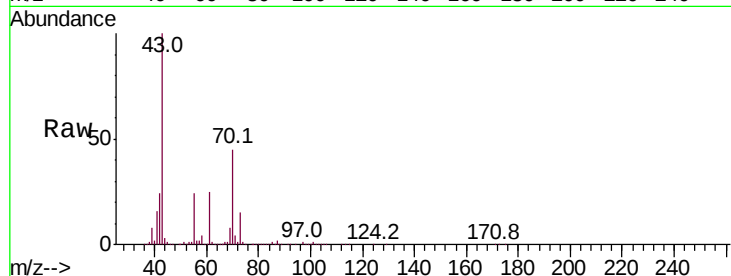
ClientSampleId :

FL-0583MSD

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
70	44.6	36.6	54.8	
55	24.0	18.7	28.1	
61	25.0	20.6	31.0	

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 44.988 ug/l

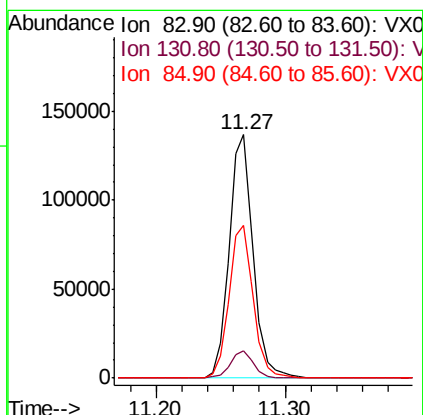
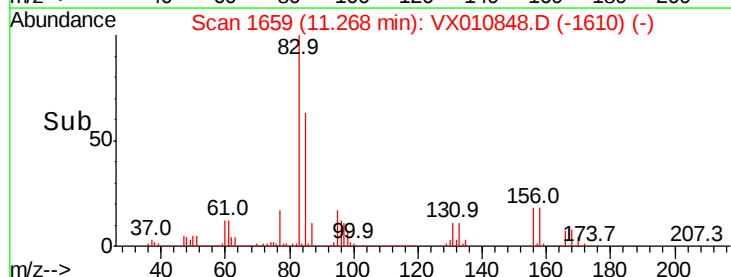
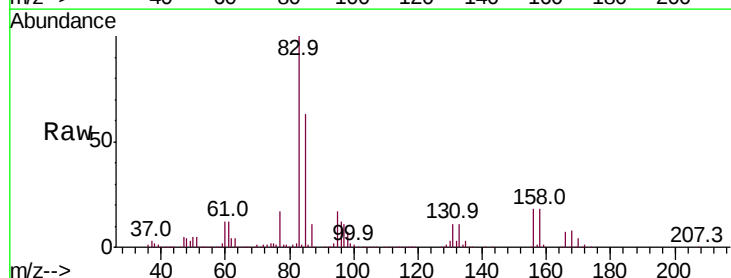
RT: 11.27 min Scan# 1659

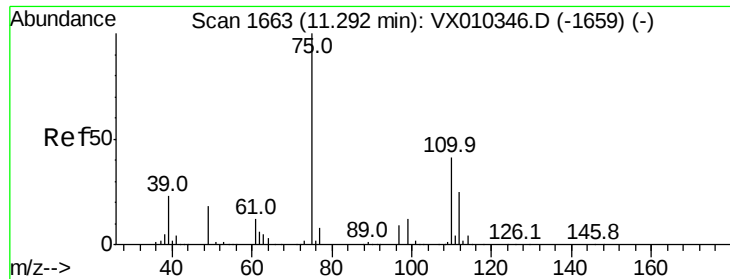
Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	10.9	5.5	16.4	
85	63.6	32.3	96.8	





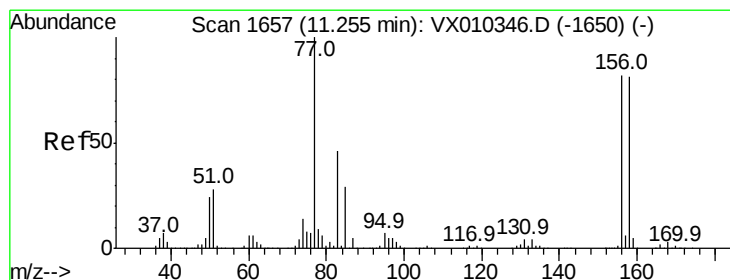
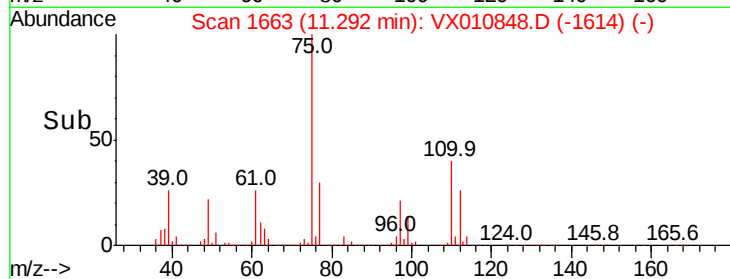
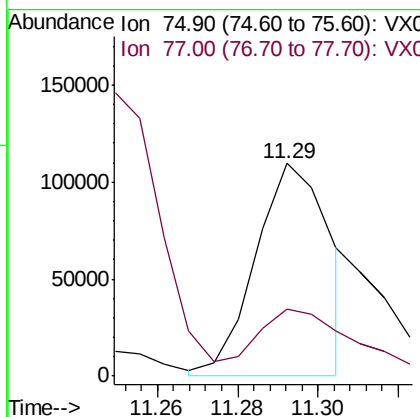
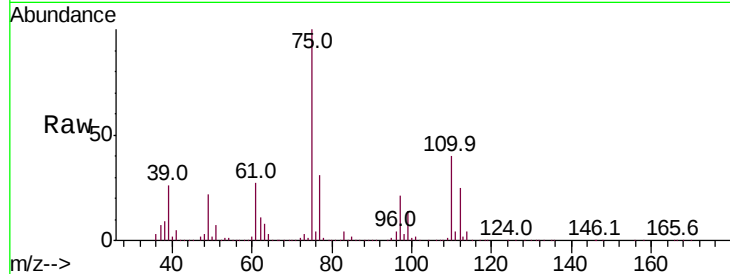
#76
 1,2,3-Trichloropropane
 Concen: 43.937 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX010848.D
 Acq: 12 Jul 2019 19:56

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0583MSD

Tot Ion: 75 Resp: 140959
 Ion Ratio Lower Upper
 75 100
 77 42.2 22.6 67.8

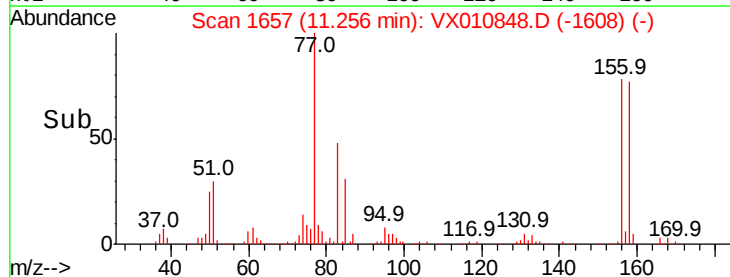
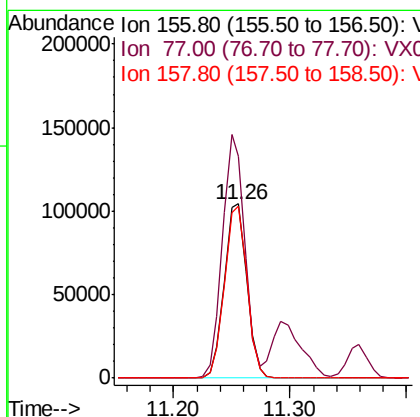
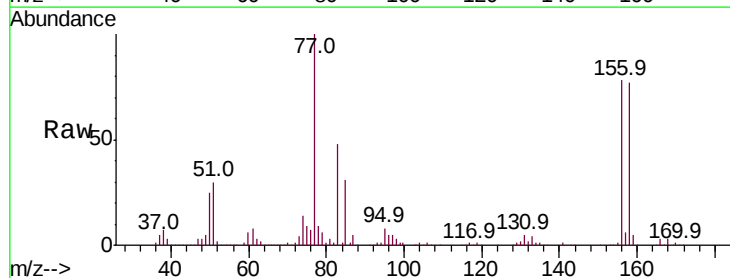
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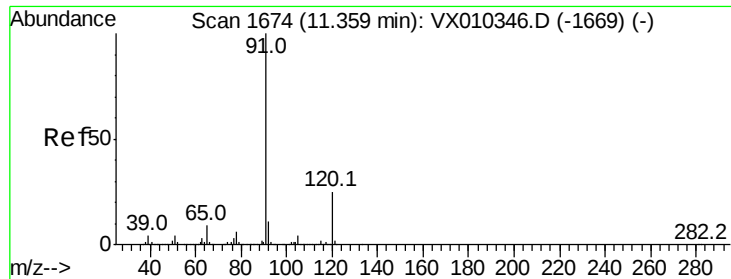
MMDadoda
 7/15/2019 11:01:07 AM



#77
 Bromobenzene
 Concen: 41.865 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VX010848.D
 Acq: 12 Jul 2019 19:56

Tgt Ion: 156 Resp: 139515
 Ion Ratio Lower Upper
 156 100
 77 137.8 66.3 198.7
 158 98.8 48.9 146.7





#78

n-propylbenzene

Concen: 46.298 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

Instrument :

MSVOA_X

ClientSampleId :

FL-0583MSD

Tot Ion: 91 Resp: 607268

Ion Ratio Lower Upper

91 100

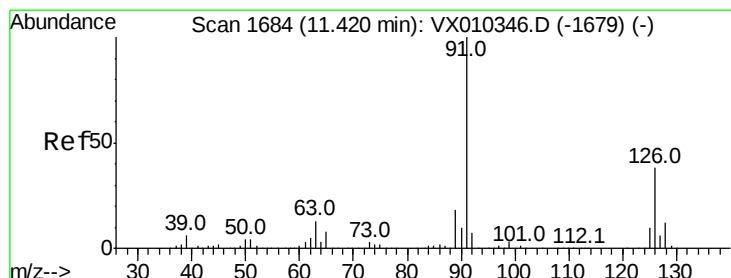
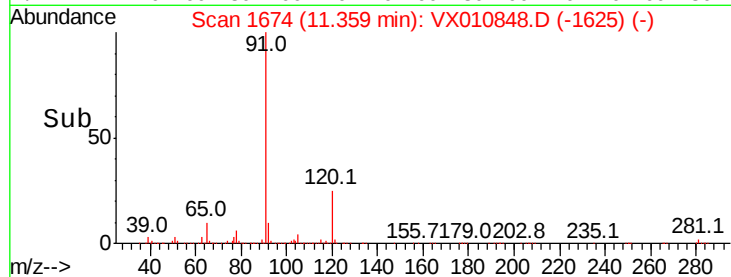
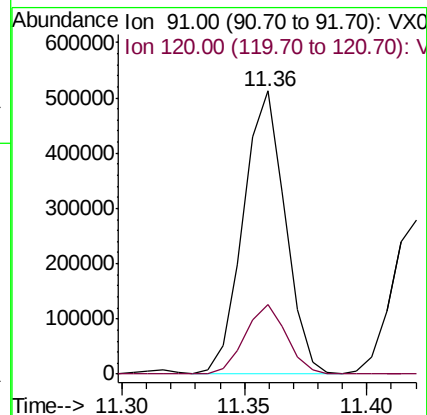
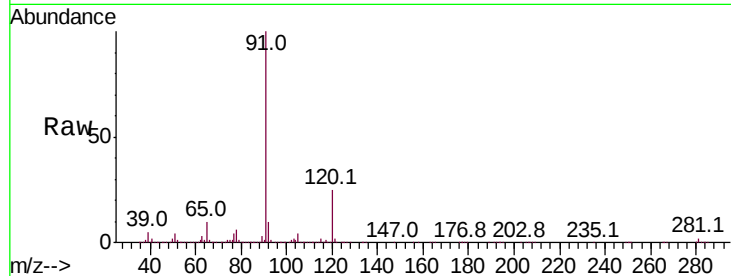
120 24.6 12.4 37.4

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#79

2-Chlorotoluene

Concen: 44.181 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010848.D

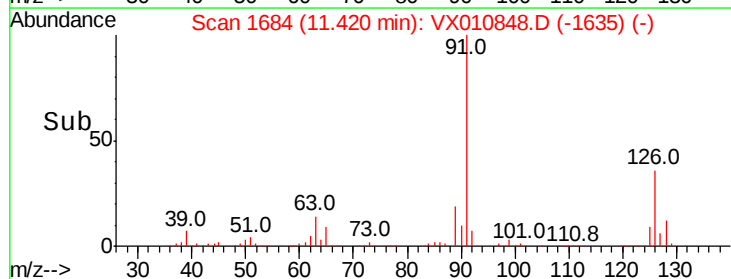
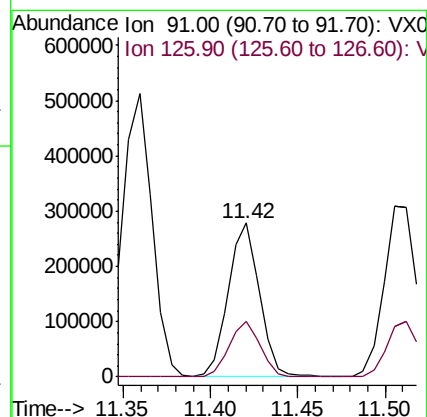
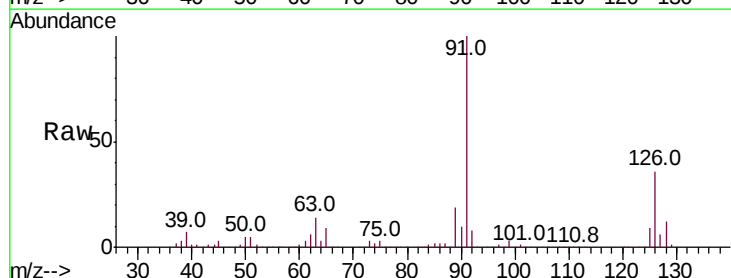
Acq: 12 Jul 2019 19:56

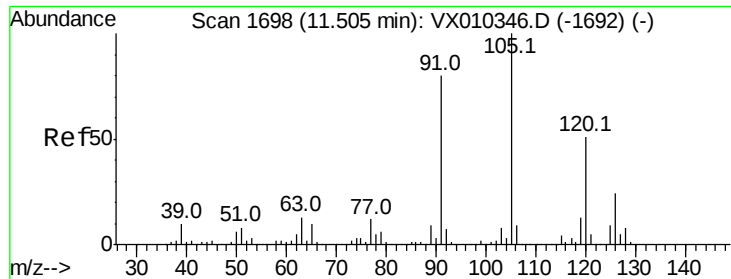
Tgt Ion: 91 Resp: 345077

Ion Ratio Lower Upper

91 100

126 35.9 18.7 56.1





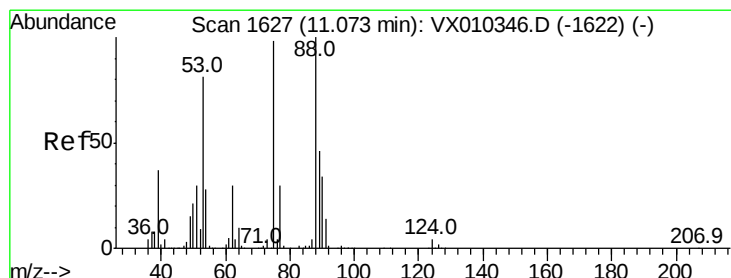
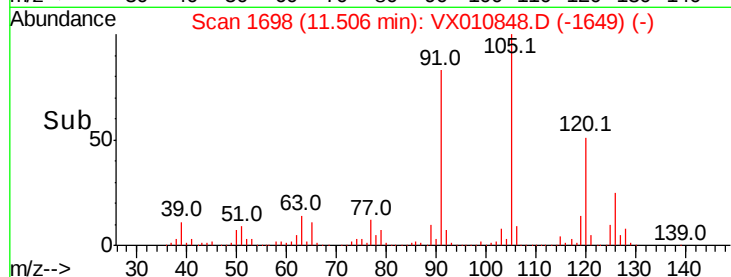
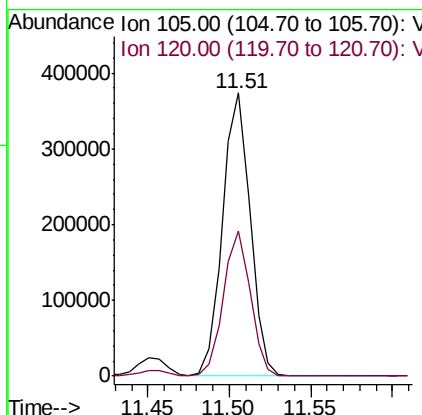
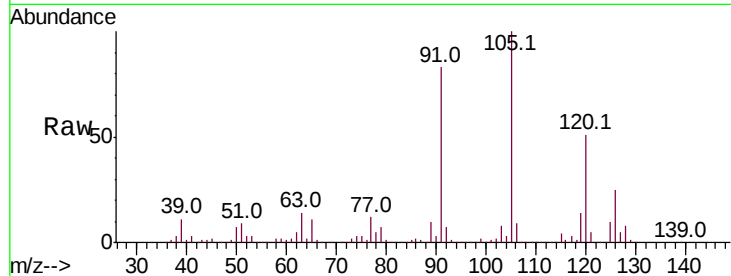
#80
 1,3,5-Trimethylbenzene
 Concen: 44.814 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010848.D
 Acq: 12 Jul 2019 19:56

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0583MSD

Tot Ion: 105 Resp: 440905
 Ion Ratio Lower Upper
 105 100
 120 50.2 25.2 75.6

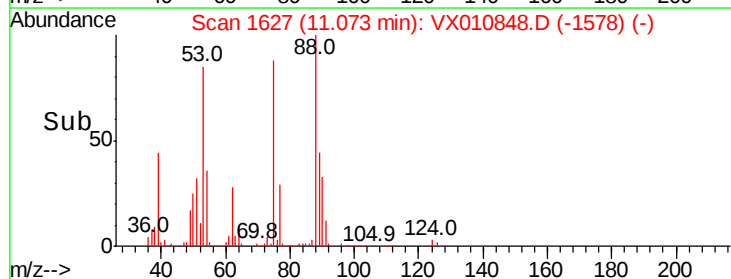
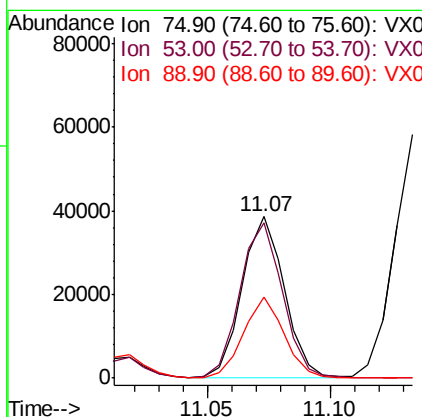
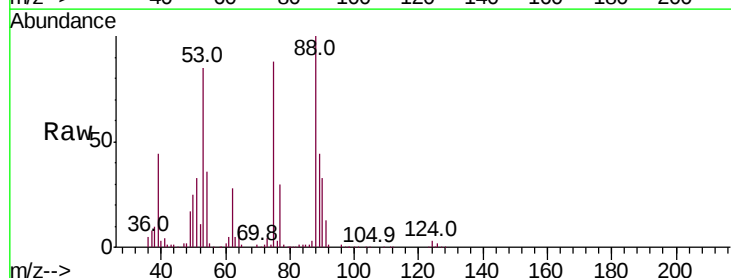
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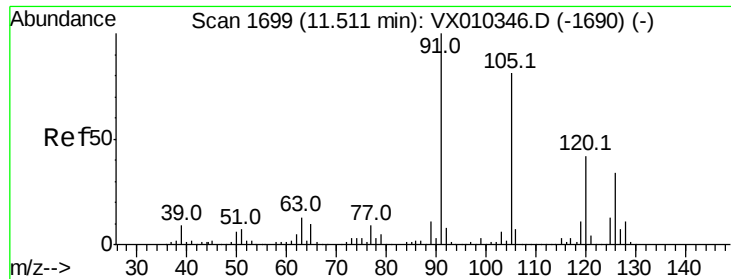
MMDadoda
 7/15/2019 11:01:07 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 33.636 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX010848.D
 Acq: 12 Jul 2019 19:56

Tgt Ion: 75 Resp: 46257
 Ion Ratio Lower Upper
 75 100
 53 96.9 66.1 99.1
 89 48.4 37.8 56.6





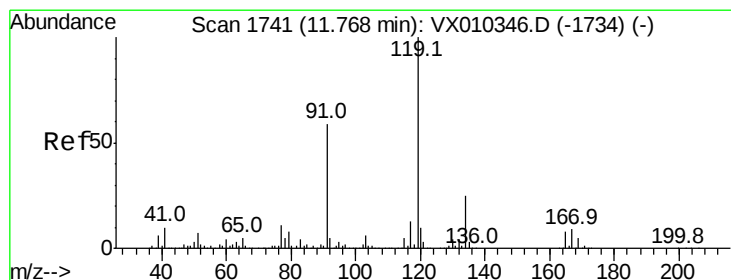
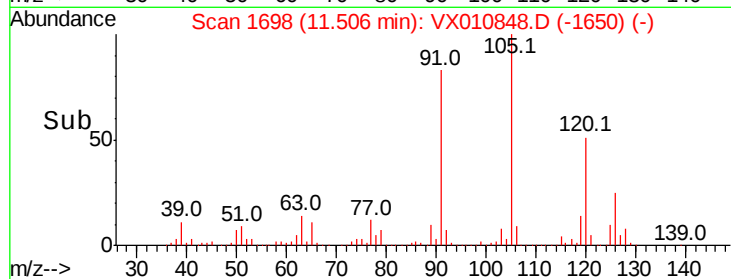
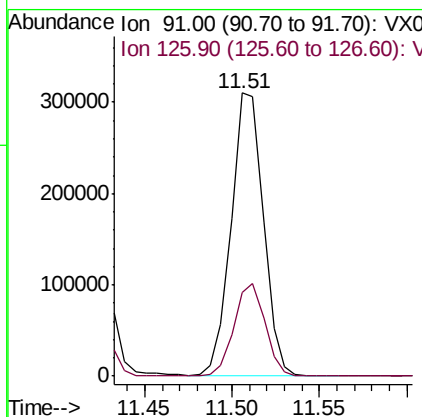
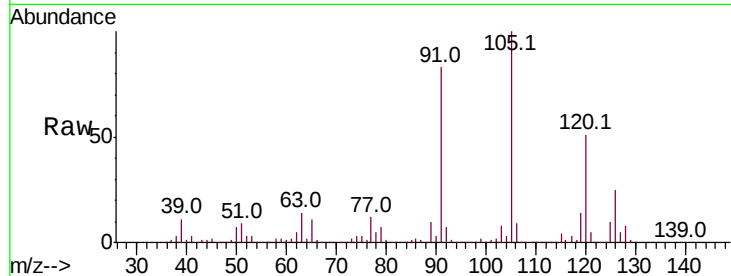
#82
4-Chlorotoluene
Concen: 44.932 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Instrument :
MSVOA_X
ClientSampleId :
FL-0583MSD

Tot Ion: 91 Resp: 399338
Ion Ratio Lower Upper
91 100
126 31.6 16.2 48.6

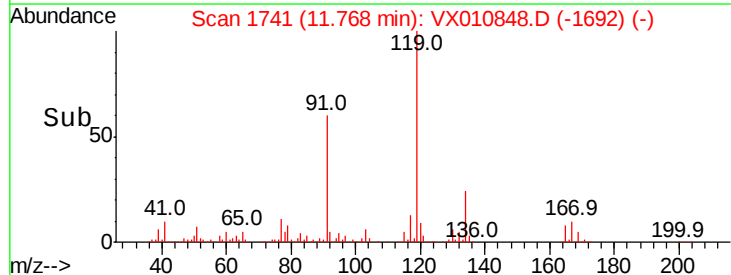
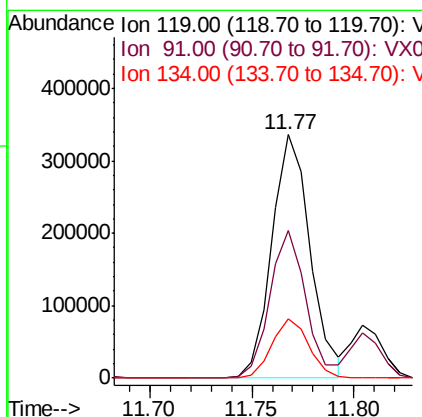
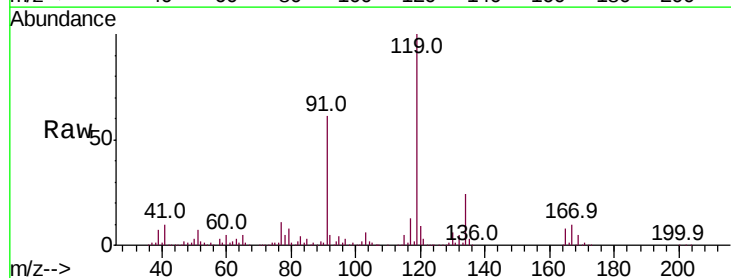
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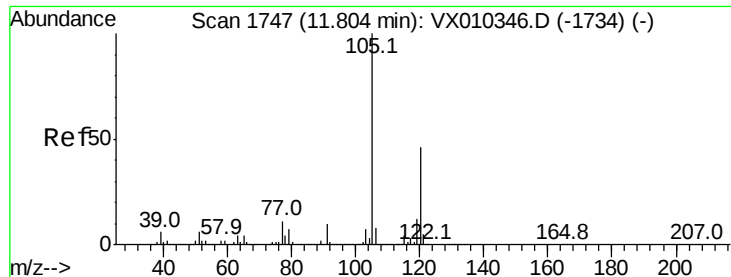
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#83
tert-Butylbenzene
Concen: 44.678 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Tgt Ion: 119 Resp: 441188
Ion Ratio Lower Upper
119 100
91 55.7 27.6 82.7
134 23.6 11.8 35.4





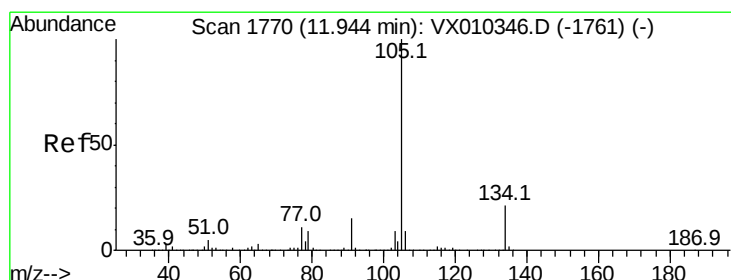
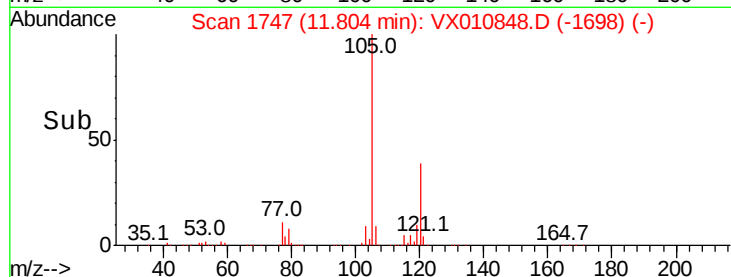
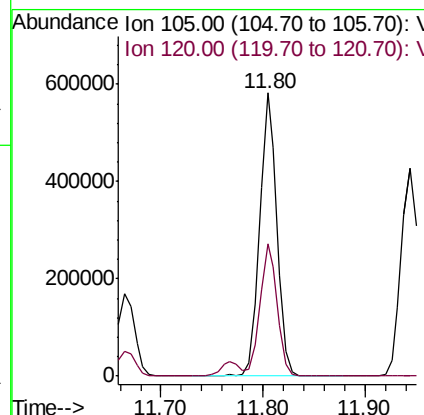
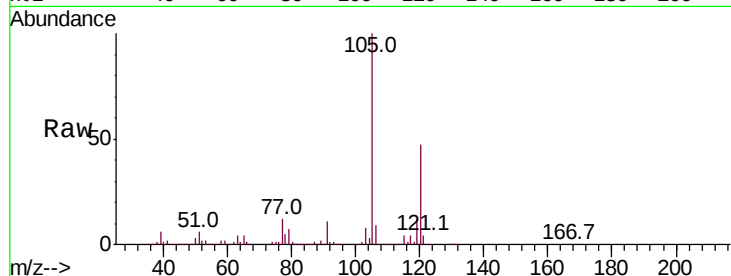
#84
1,2,4-Trimethylbenzene
Concen: 70.141 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Instrument :
MSVOA_X
ClientSampleId :
FL-0583MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.1	69.2

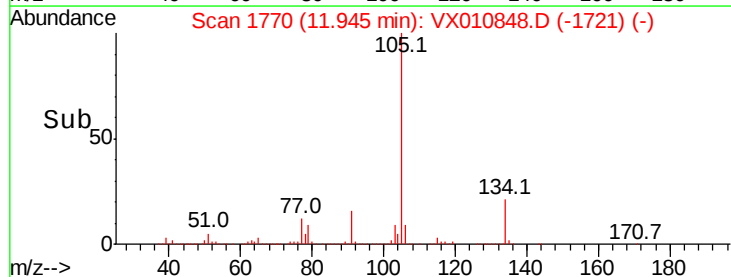
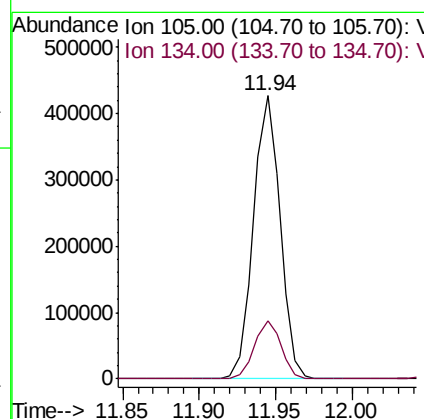
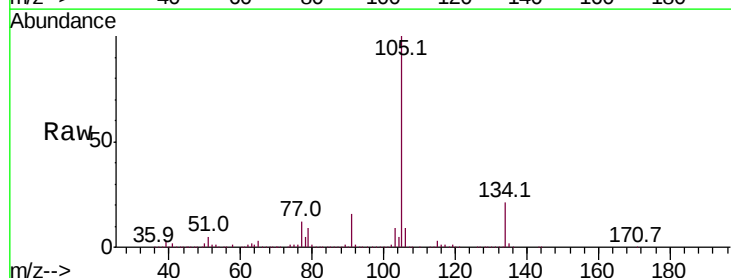
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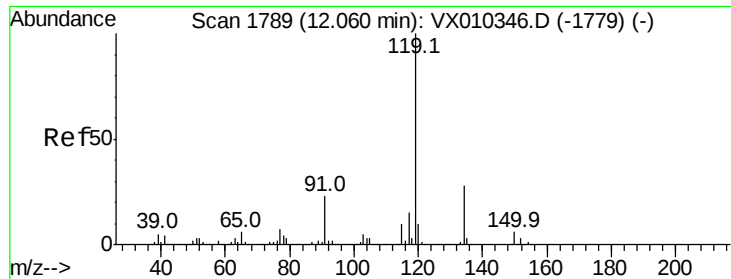
MMDadoda
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#85
sec-Butylbenzene
Concen: 44.463 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. 0.00 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.7	31.9





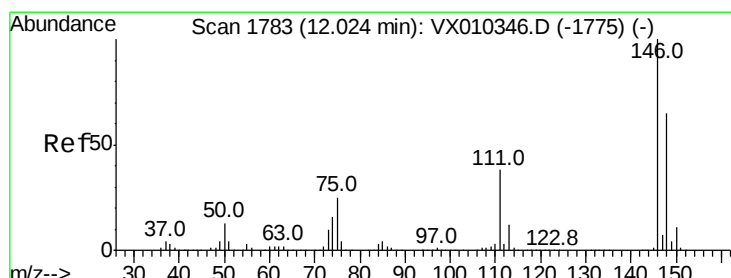
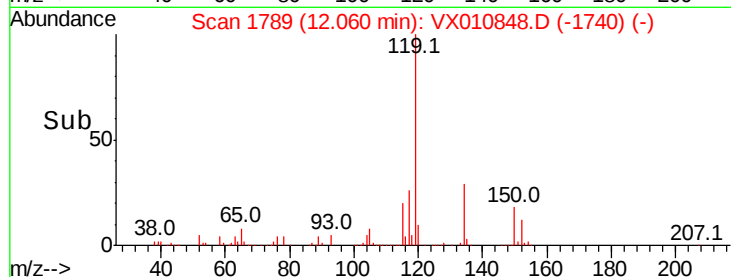
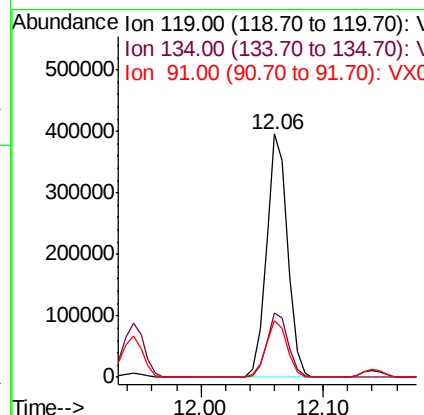
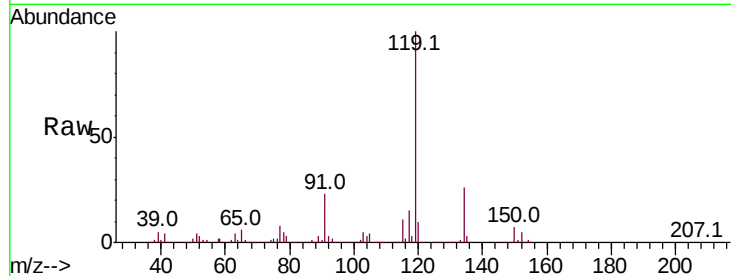
#86
 p-Isopropyltoluene
 Concen: 44.268 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX010848.D
 Acq: 12 Jul 2019 19:56

Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0583MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	474754		
134	26.9		13.7	41.1
91	23.5		11.3	33.8

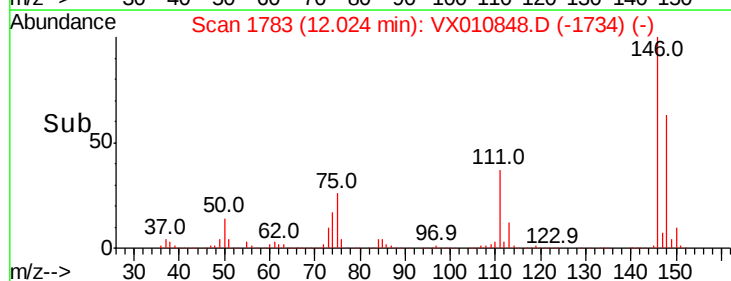
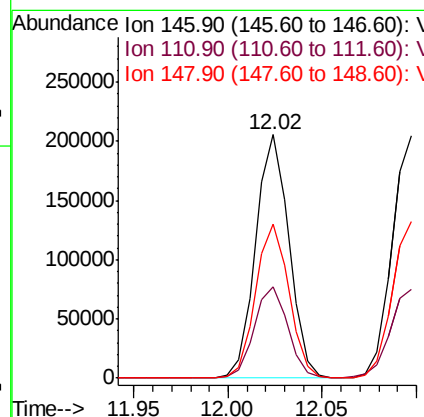
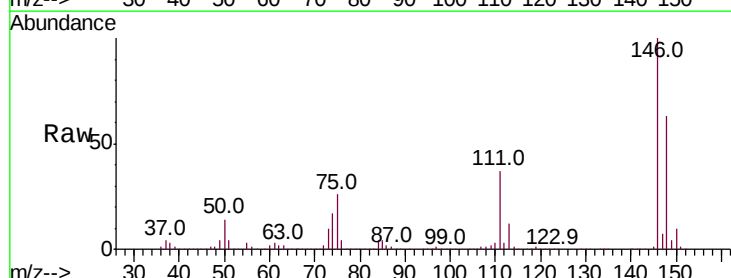
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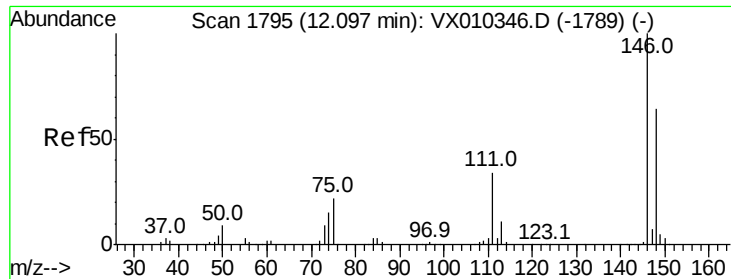
MMDadoda
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#87
 1,3-Dichlorobenzene
 Concen: 43.277 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010848.D
 Acq: 12 Jul 2019 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	251745		
111	37.9		19.1	57.1
148	63.6		32.5	97.4





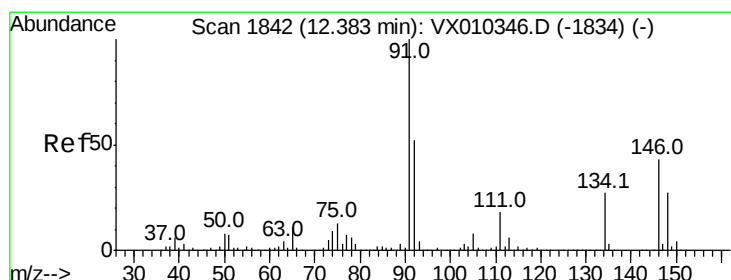
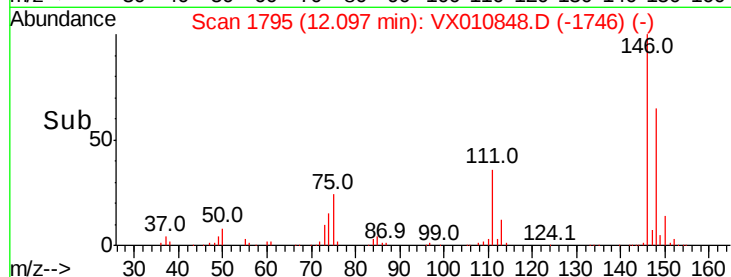
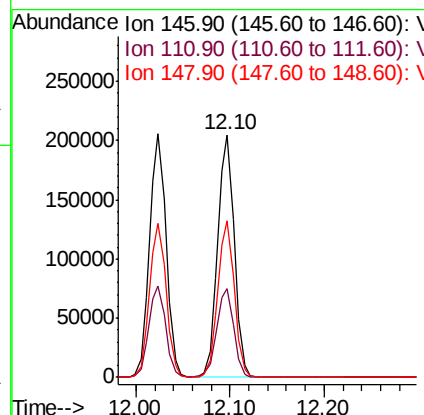
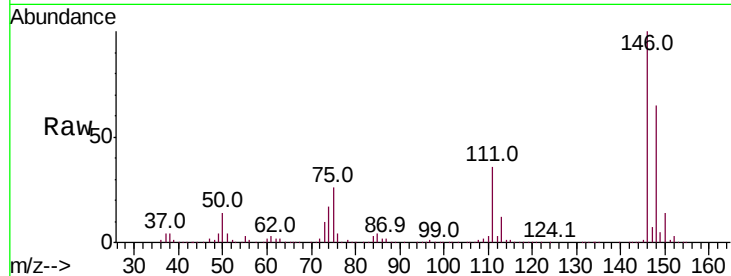
#88
 1,4-Dichlorobenzene
 Concen: 42.318 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010848.D
 Acq: 12 Jul 2019 19:56

Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0583MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	250611		
111	37.2	18.1	54.3	
148	64.1	32.1	96.3	

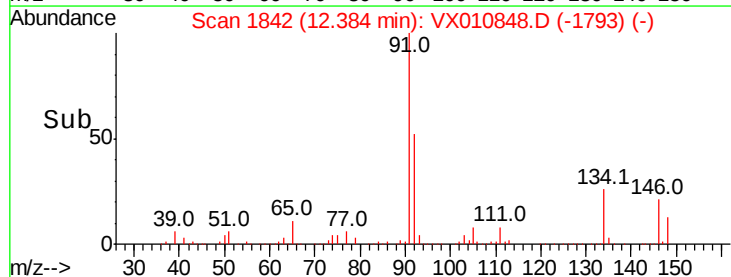
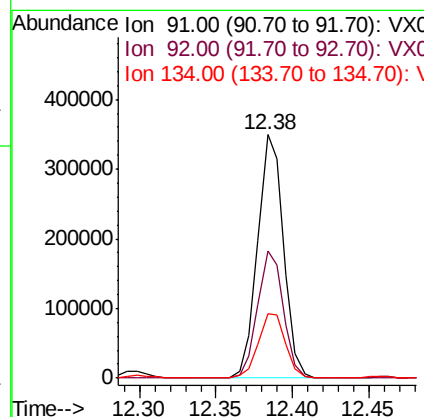
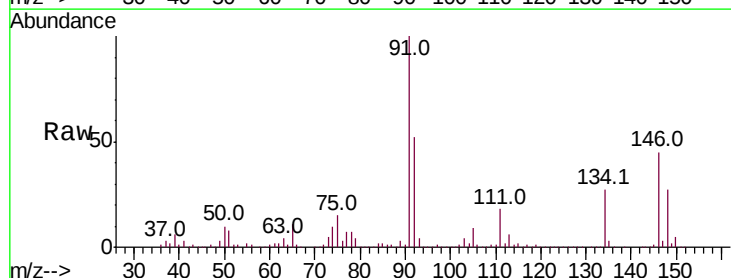
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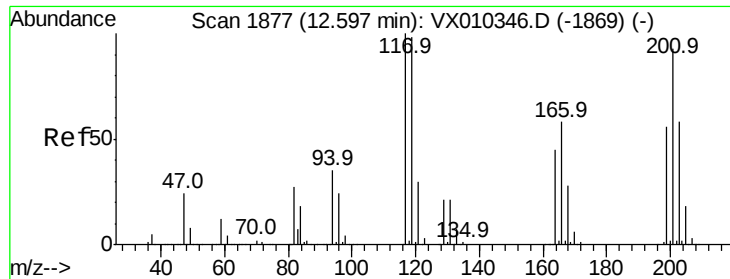
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#89
 n-Butylbenzene
 Concen: 45.178 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX010848.D
 Acq: 12 Jul 2019 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	411711		
92	52.0	26.2	78.5	
134	28.1	14.1	42.4	





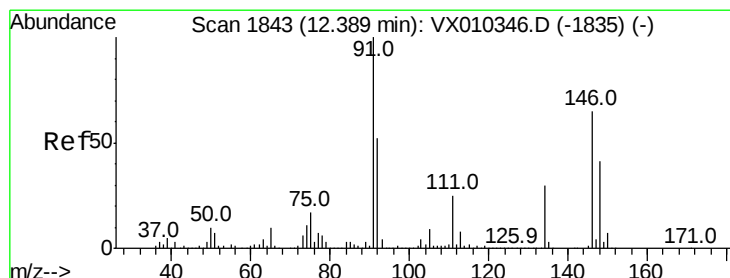
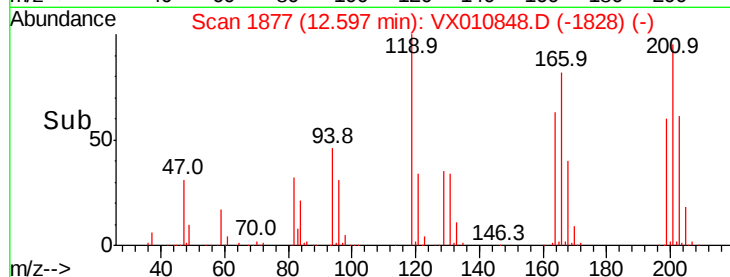
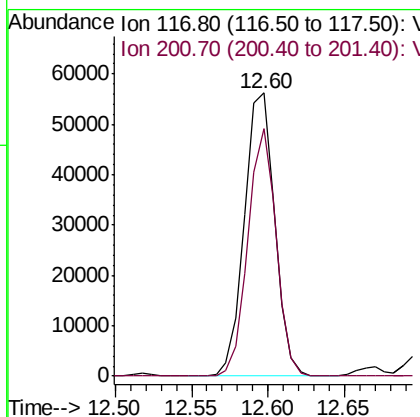
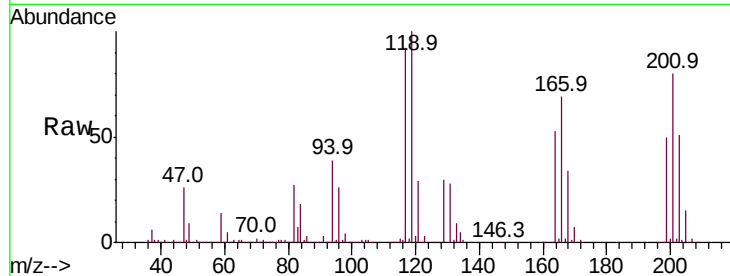
#90
Hexachloroethane
Concen: 41.724 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Instrument :
MSVOA_X
ClientSampleId :
FL-0583MSD

Tot Ion:117 Resp: 77373
Ion Ratio Lower Upper
117 100
201 81.2 44.0 131.8

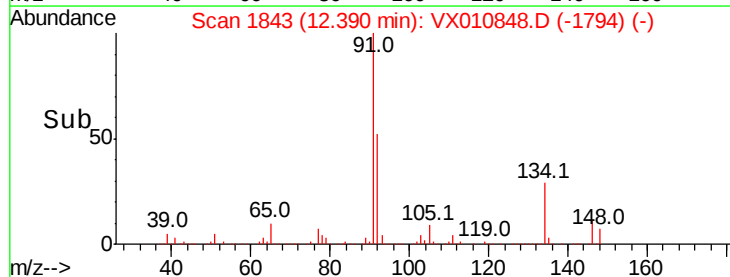
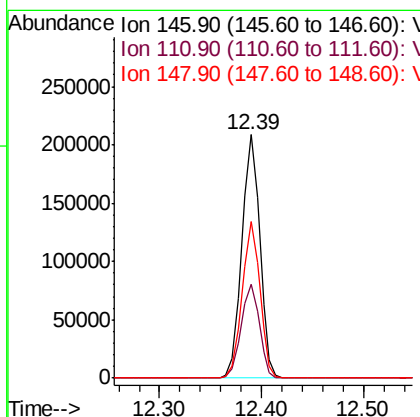
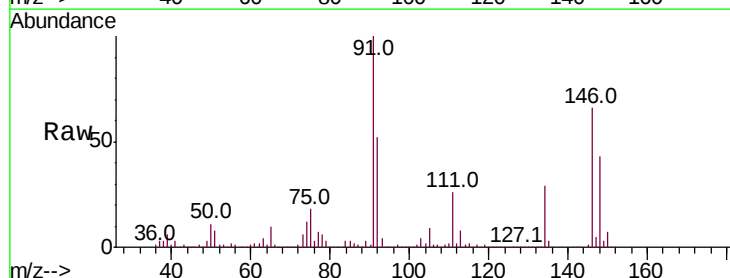
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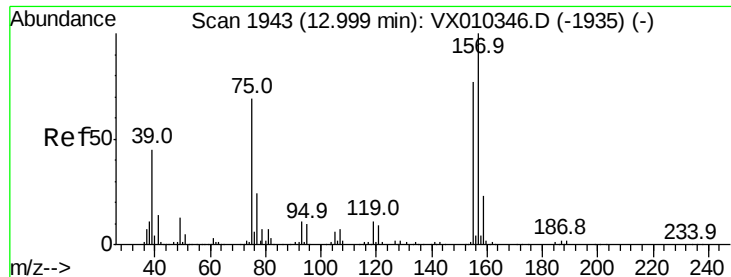
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#91
1,2-Dichlorobenzene
Concen: 43.698 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX010848.D
Acq: 12 Jul 2019 19:56

Tgt Ion:146 Resp: 252637
Ion Ratio Lower Upper
146 100
111 39.2 19.2 57.6
148 63.5 32.0 96.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 43.636 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

Instrument :

MSVOA_X

ClientSampleId :

FL-0583MSD

Tot Ion: 75 Resp: 37185

Ion Ratio Lower Upper

75 100

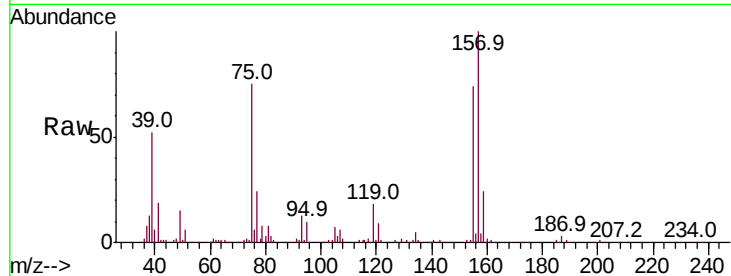
155 96.7 54.4 163.1

157 126.1 69.5 208.3

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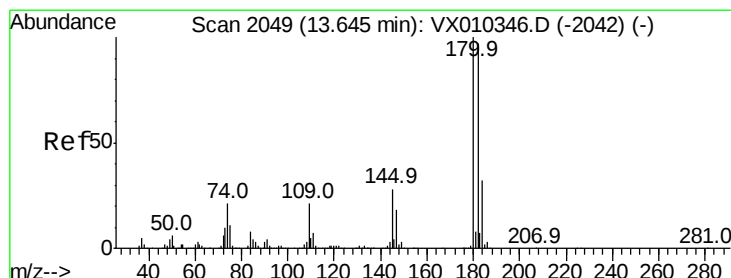
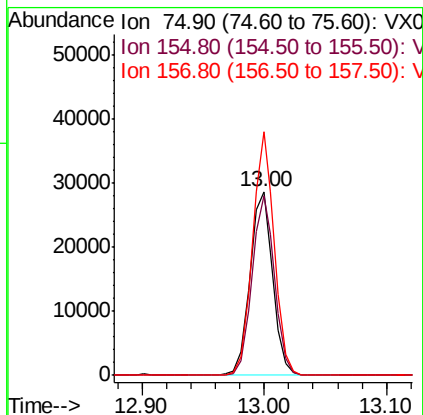
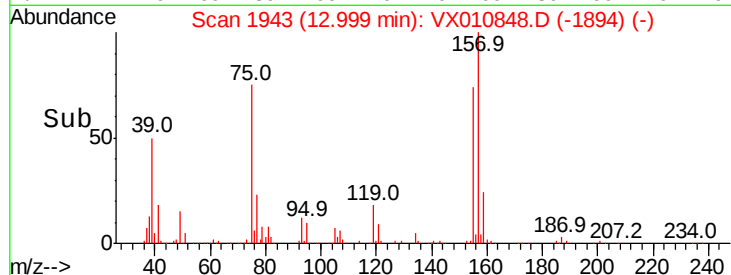
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 42.529 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

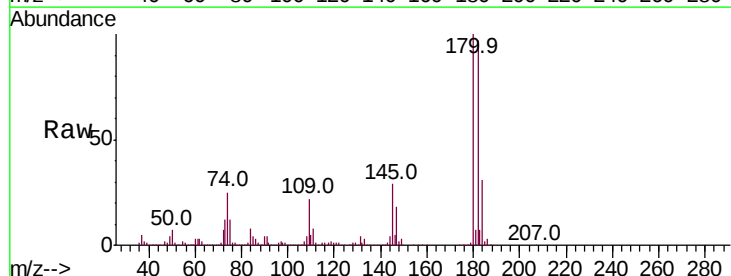
Tgt Ion:180 Resp: 170511

Ion Ratio Lower Upper

180 100

182 97.3 48.0 144.0

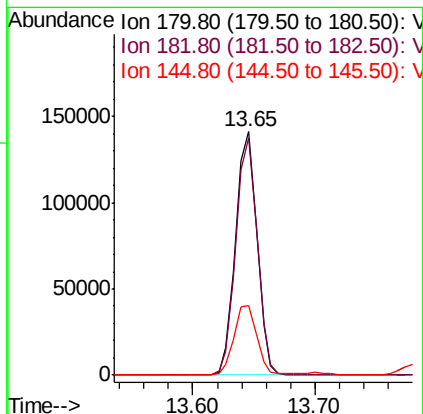
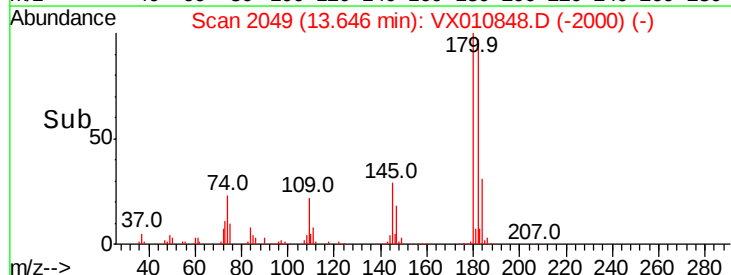
145 30.4 14.4 43.4

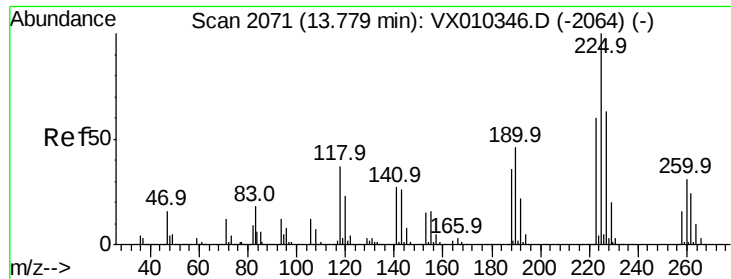


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 41.492 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX010848.D

Acq: 12 Jul 2019 19:56

Instrument :

MSVOA_X

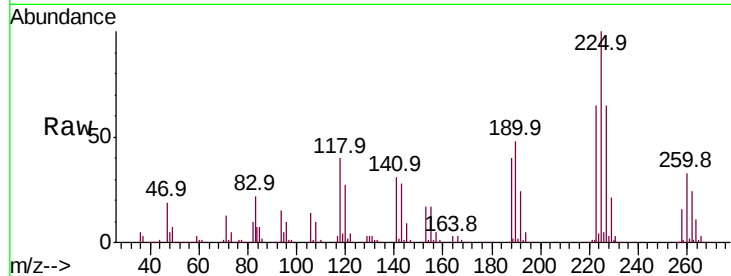
ClientSampleId :

FL-0583MSD

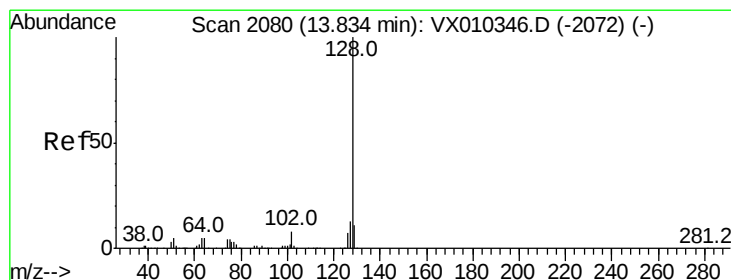
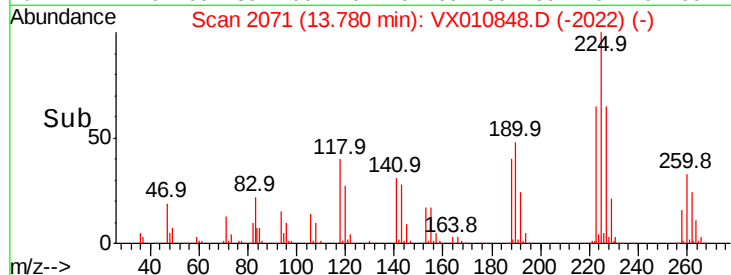
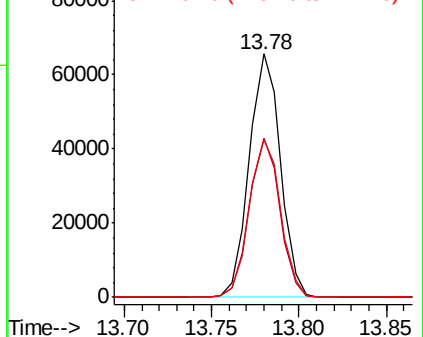
Tot Ion:	225	Resp:	81304
Ion Ratio	Lower	Upper	
225	100		
223	64.1	30.9	92.7
227	65.0	31.9	95.5

Manual Integrations
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MMDadoda
7/15/2019 11:01:07 AM



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 52.535 ug/l

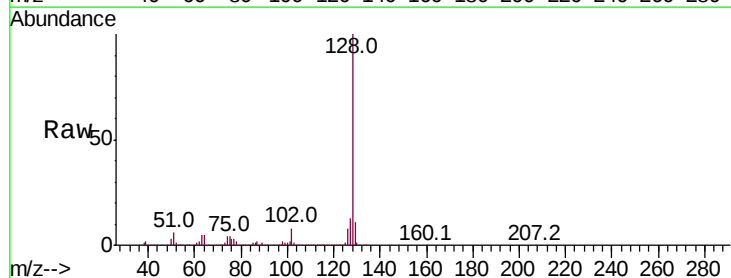
RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

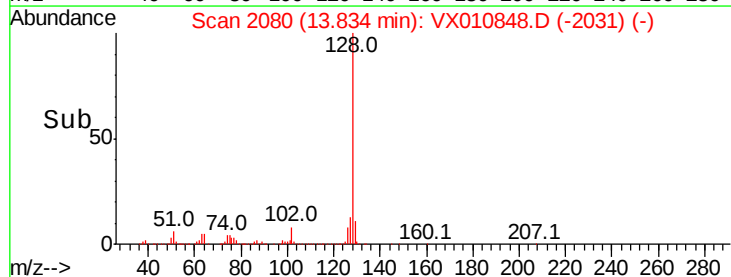
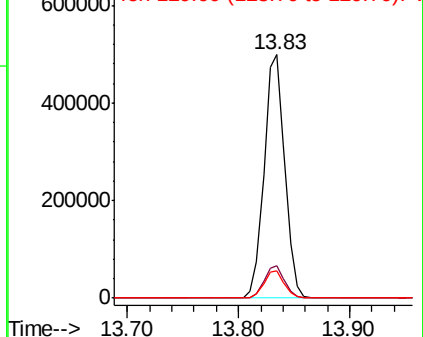
Lab File: VX010848.D

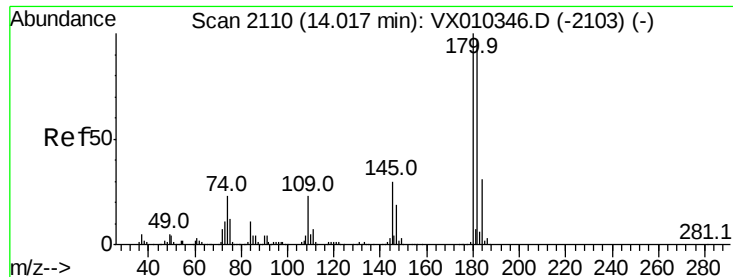
Acq: 12 Jul 2019 19:56

Tgt Ion:	128	Resp:	647272
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.2	15.4
129	11.2	8.9	13.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





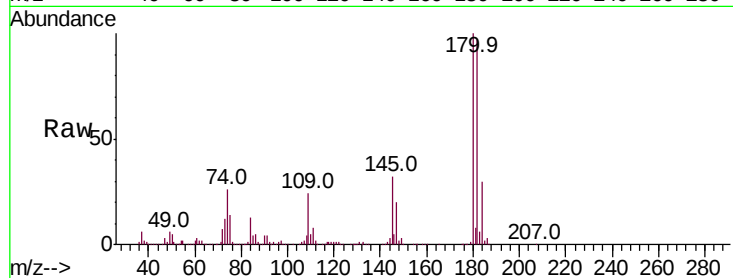
#96
 1,2,3-Trichlorobenzene
 Concen: 43.631 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX010848.D
 Acq: 12 Jul 2019 19:56

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0583MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	47.8	143.3	
145	32.5	15.2	45.6	

Manual Integrations
 APPROVED

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 7/15/2019 11:01:07 AM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

