

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042519\
 Data File : VX009158.D
 Acq On : 25 Apr 2019 13:35
 Operator : JC/SP
 Sample : VX0425WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0425WBS01

Manual Integrations
 APPROVED

MMdadoda
 4/26/2019 10:05:14 AM

Quant Time: Apr 26 05:32:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	193844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	312807	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	280904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133184	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	127194	46.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.12%	
35) Dibromofluoromethane	5.49	113	94190	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
50) Toluene-d8	8.71	98	373532	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	
62) 4-Bromofluorobenzene	11.13	95	134042	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	42099	18.856	ug/l	99
3) Chloromethane	1.32	50	52974	19.326	ug/l	99
4) Vinyl Chloride	1.40	62	50082	18.772	ug/l	98
5) Bromomethane	1.64	94	28253	19.458	ug/l	99
6) Chloroethane	1.71	64	30641	19.531	ug/l	99
7) Trichlorofluoromethane	1.93	101	57654	18.509	ug/l	100
8) Diethyl Ether	2.18	74	26102	18.323	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	35470	17.810	ug/l	99
10) Methyl Iodide	2.51	142	34602	18.902	ug/l	99
11) Tert butyl alcohol	3.05	59	62498	103.066	ug/l	99
12) 1,1-Dichloroethene	2.37	96	36849	17.727	ug/l	95
13) Acrolein	2.29	56	48764	93.071	ug/l	99
14) Allyl chloride	2.73	41	85765	18.911	ug/l	99
15) Acrylonitrile	3.14	53	150070	97.492	ug/l	99
16) Acetone	2.44	43	139151	98.225	ug/l	99
17) Carbon Disulfide	2.57	76	102214	17.566	ug/l	99
18) Methyl Acetate	2.78	43	68953	19.502	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	137880	18.615	ug/l	97
20) Methylene Chloride	2.85	84	44648	18.429	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	39150	17.657	ug/l	96
22) Diisopropyl ether	3.85	45	168350	19.103	ug/l	98
23) Vinyl Acetate	3.81	43	749742	96.782	ug/l	98
24) 1,1-Dichloroethane	3.70	63	82383	18.623	ug/l	99
25) 2-Butanone	4.67	43	226936	100.218	ug/l	99
26) 2,2-Dichloropropane	4.58	77	57660	17.388	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	45695	18.152	ug/l	99
28) Bromochloromethane	5.02	49	36272	18.526	ug/l	98
29) Tetrahydrofuran	5.13	42	149162	98.416	ug/l	99
30) Chloroform	5.21	83	74129	18.726	ug/l	99
31) Cyclohexane	5.58	56	79968	18.379	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	60112	18.321	ug/l	99
36) 1,1-Dichloropropene	5.80	75	56316	17.408	ug/l	99
37) Ethyl Acetate	4.83	43	84221	20.232	ug/l	100
38) Carbon Tetrachloride	5.78	117	49927	18.204	ug/l	96

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	70489	17.896	ug/l	99
40) Benzene	6.14	78	176347	18.478	ug/l	99
41) Methacrylonitrile	5.04	41	47174	19.745	ug/l	100
42) 1,2-Dichloroethane	6.20	62	63140	18.676	ug/l	100
43) Isopropyl Acetate	6.45	43	128843	19.206	ug/l	100
44) Trichloroethene	7.21	130	41116	17.583	ug/l	97
45) 1,2-Dichloropropane	7.51	63	48987	18.502	ug/l	97
46) Dibromomethane	7.66	93	28680	18.613	ug/l	98
47) Bromodichloromethane	7.90	83	55686	18.425	ug/l	98
48) Methyl methacrylate	7.77	41	63868	19.268	ug/l	99
49) 1,4-Dioxane	7.74	88	25913	417.676	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	434636	101.698	ug/l	99
52) Toluene	8.78	92	106650	18.646	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	62472	17.961	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	70866	18.196	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	43096	19.011	ug/l	98
56) Ethyl methacrylate	9.18	69	78513	19.316	ug/l	99
57) 1,3-Dichloropropane	9.37	76	76608	18.980	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	199882	91.317	ug/l	99
59) 2-Hexanone	9.49	43	337026	102.284	ug/l	100
60) Dibromochloromethane	9.58	129	41043	18.891	ug/l	99
61) 1,2-Dibromoethane	9.67	107	43591	18.631	ug/l	100
64) Tetrachloroethene	9.34	164	37430	17.540	ug/l	99
65) Chlorobenzene	10.13	112	107744	18.172	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	37743	18.070	ug/l	98
67) Ethyl Benzene	10.25	91	199861	18.440	ug/l	100
68) m/p-Xylenes	10.36	106	145673	36.982	ug/l	99
69) o-Xylene	10.69	106	71510	18.658	ug/l	98
70) Styrene	10.71	104	123357	18.573	ug/l	99
71) Bromoform	10.85	173	29967	18.008	ug/l #	98
73) Isopropylbenzene	11.02	105	191575	18.977	ug/l	99
74) N-amyl acetate	10.90	43	113446	19.572	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	72635	19.692	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	62184m	19.121	ug/l	
77) Bromobenzene	11.26	156	45586	17.897	ug/l	97
78) n-propylbenzene	11.36	91	218527	18.860	ug/l	100
79) 2-Chlorotoluene	11.42	91	132754	19.013	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	161021	19.007	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	22115	17.458	ug/l	92
82) 4-Chlorotoluene	11.51	91	148538	18.317	ug/l	100
83) tert-Butylbenzene	11.77	119	152509	18.751	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	161486	18.727	ug/l	100
85) sec-Butylbenzene	11.94	105	182762	18.841	ug/l	99
86) p-Isopropyltoluene	12.06	119	165175	18.521	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	80221	17.995	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	80884	17.898	ug/l	99
89) n-Butylbenzene	12.38	91	146739	17.667	ug/l	99
90) Hexachloroethane	12.60	117	26632	18.103	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	82578	18.759	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17078	20.335	ug/l	98

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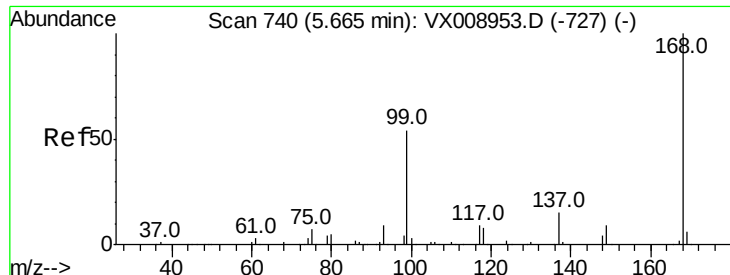
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	56580	17.805	ug/l	100
94) Hexachlorobutadiene	13.78	225	28536	18.005	ug/l	99
95) Naphthalene	13.83	128	199025	19.549	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	58333	18.605	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX0425WBS01

Tot Ion:168 Resp: 193844

Ion Ratio Lower Upper

168 100

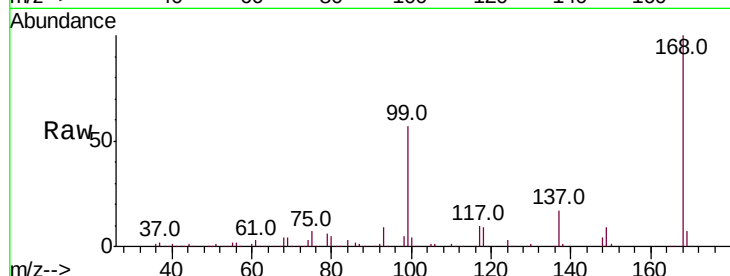
99 57.2 43.0 64.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

40000

20000

0

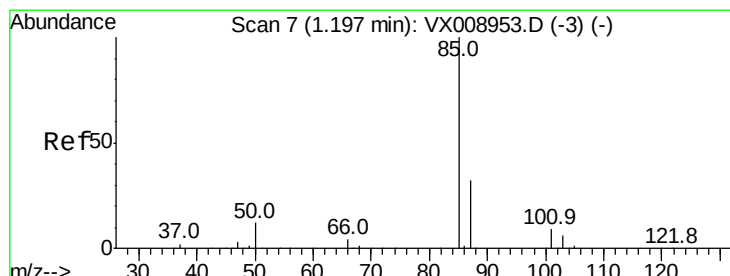
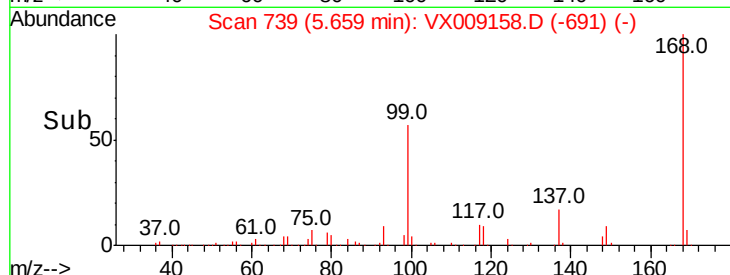
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.856 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009158.D

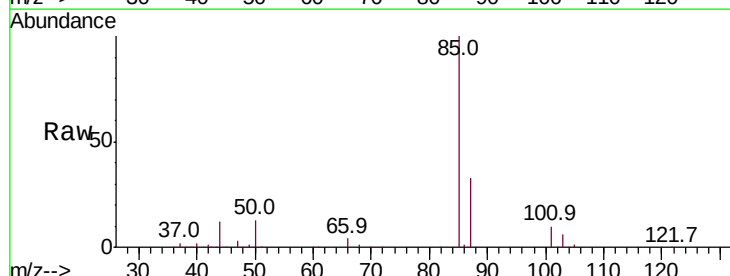
Acq: 25 Apr 2019 13:35

Tgt Ion: 85 Resp: 42099

Ion Ratio Lower Upper

85 100

87 32.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

30000

20000

10000

0

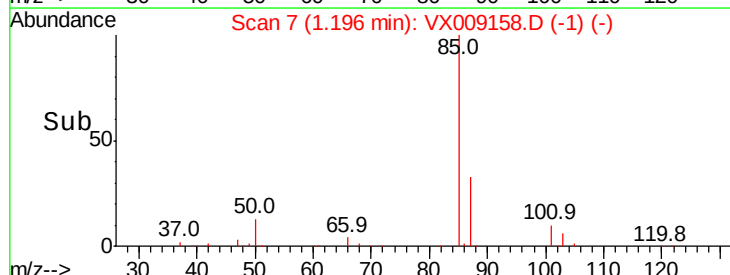
1.15

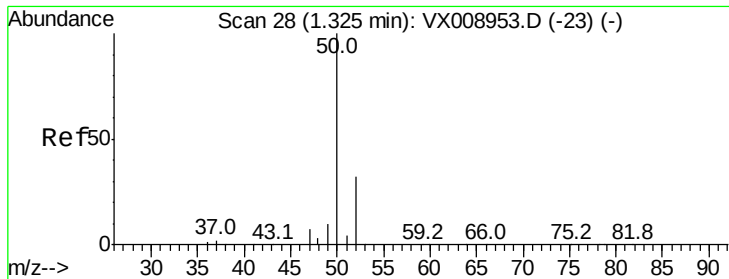
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 19.326 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX0425WBS01

Tot Ion: 50 Resp: 52974

Ion Ratio Lower Upper

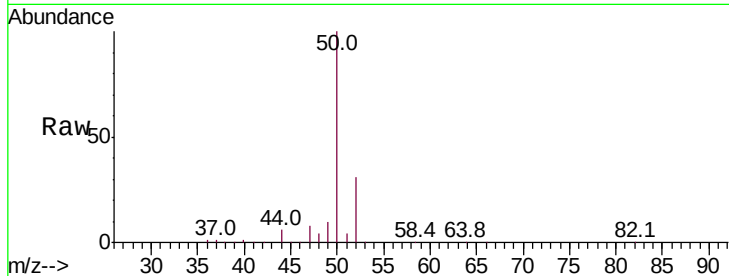
50 100

52 31.3 25.5 38.3

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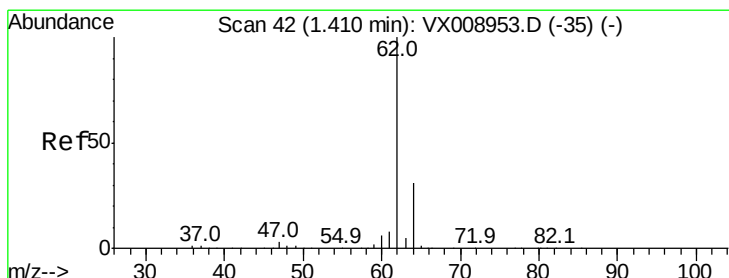
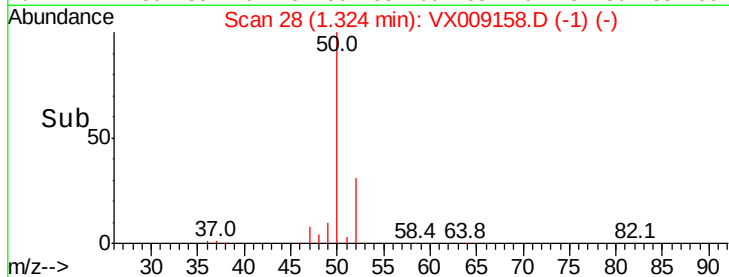
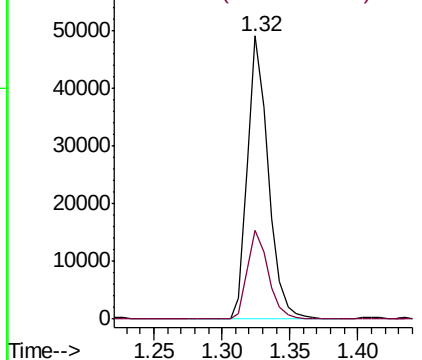
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.772 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009158.D

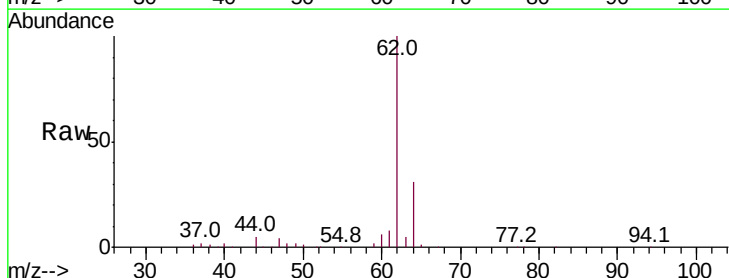
Acq: 25 Apr 2019 13:35

Tgt Ion: 62 Resp: 50082

Ion Ratio Lower Upper

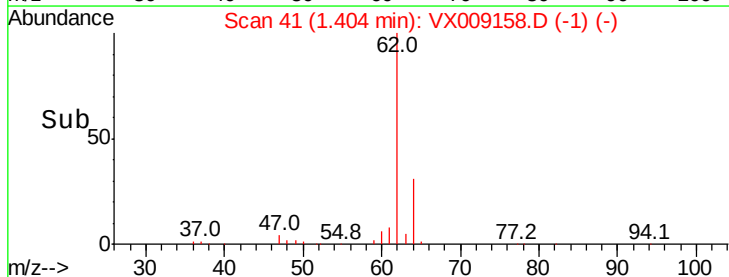
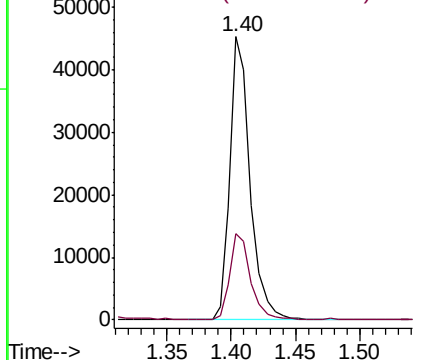
62 100

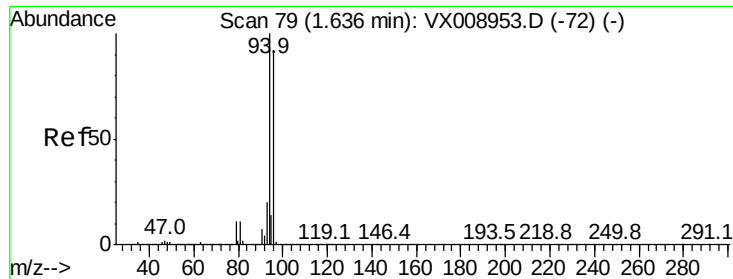
64 30.4 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.458 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Tot Ion: 94 Resp: 28253

Ion Ratio Lower Upper

94 100

96 93.3 73.9 110.9

Instrument :

MSVOA_X

ClientSampleId :

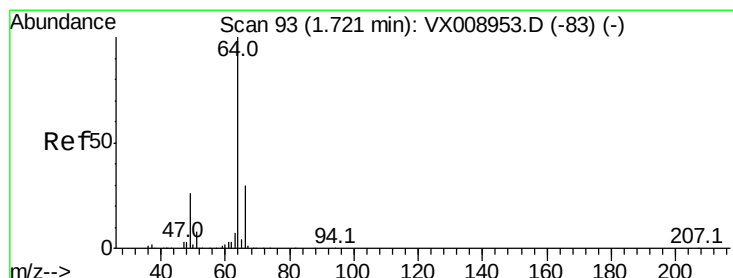
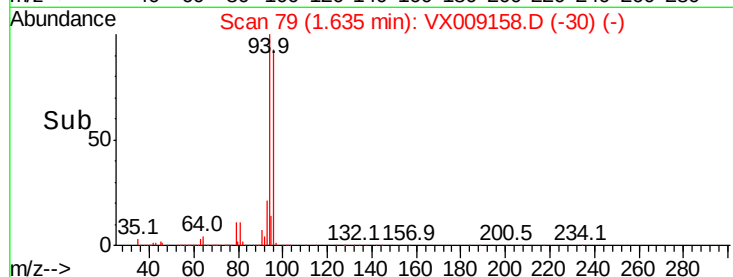
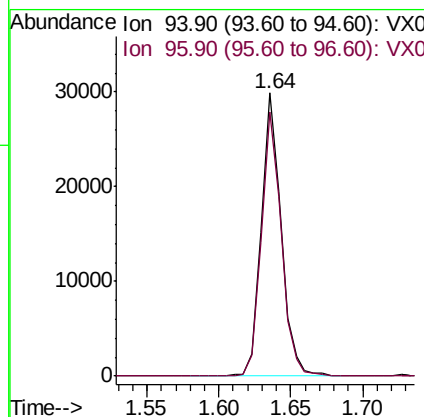
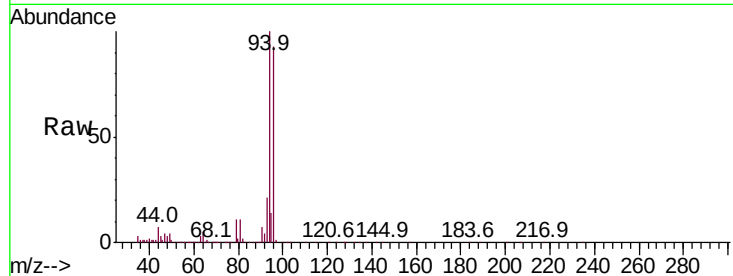
VX0425WBS01

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#6

Chloroethane

Concen: 19.531 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX009158.D

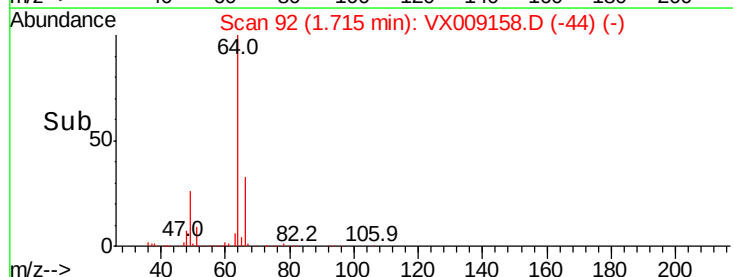
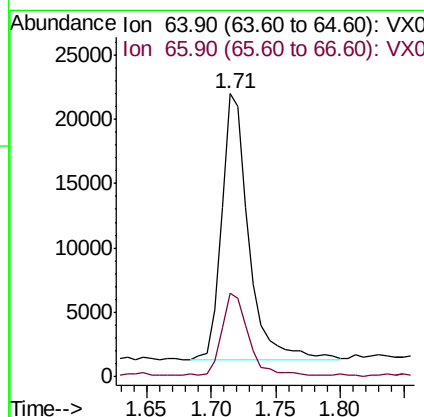
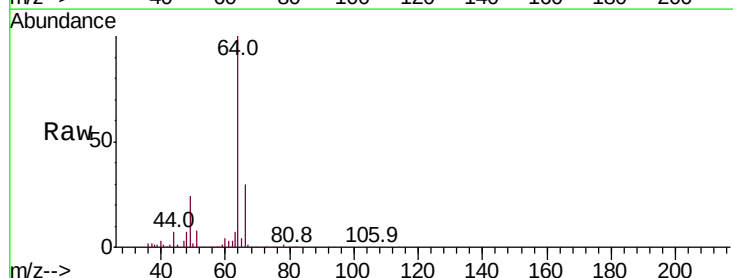
Acq: 25 Apr 2019 13:35

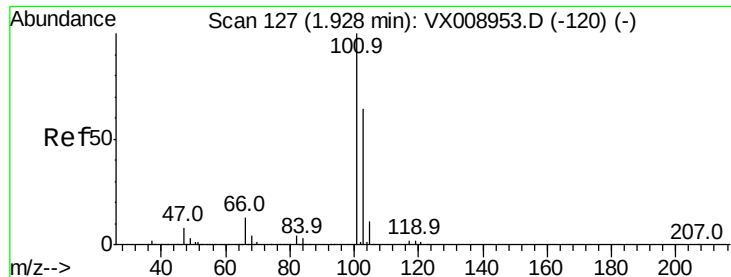
Tgt Ion: 64 Resp: 30641

Ion Ratio Lower Upper

64 100

66 30.5 24.2 36.2





#7

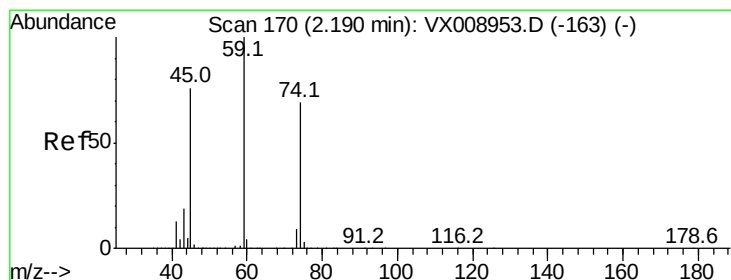
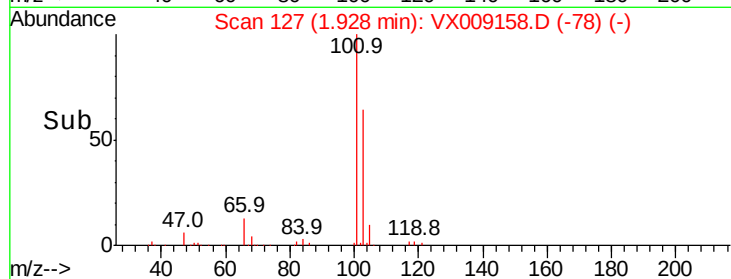
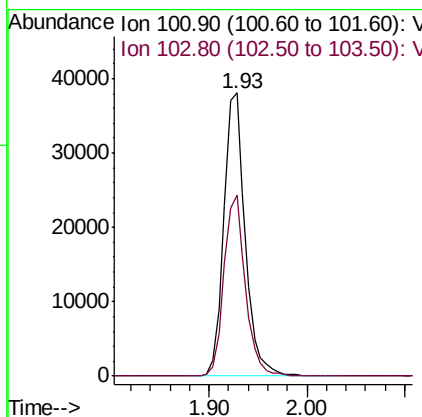
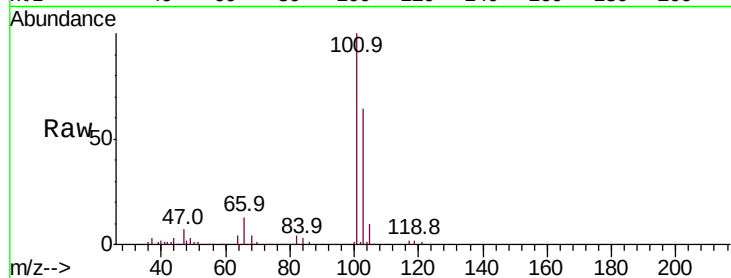
Trichlorofluoromethane
 Concen: 18.509 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX009158.D
 Acq: 25 Apr 2019 13:35

Instrument :
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 ClientSampleId :
 VX0425WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.0	76.6

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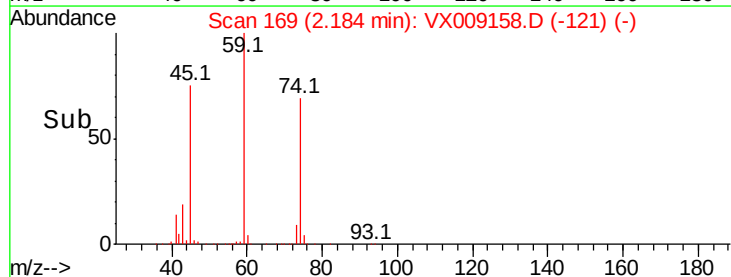
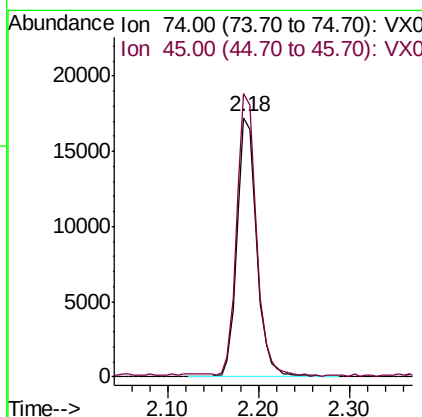
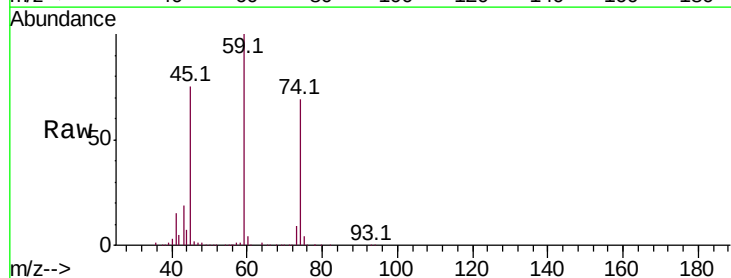
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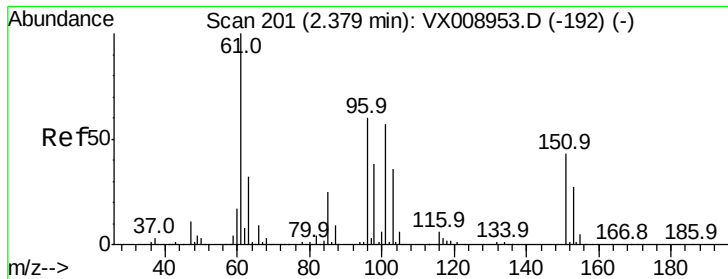


#8

Diethyl Ether
 Concen: 18.323 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX009158.D
 Acq: 25 Apr 2019 13:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.8	54.9	164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.810 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Instrument :

MSVOA_X

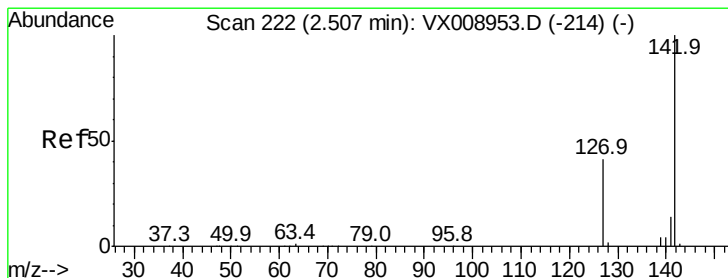
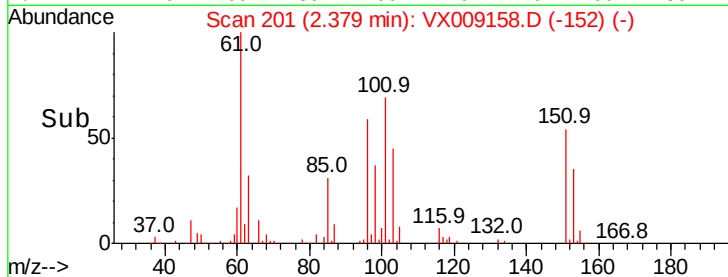
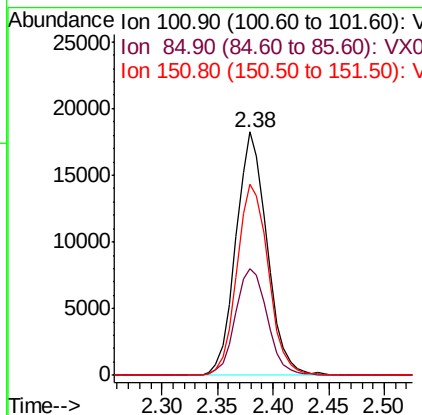
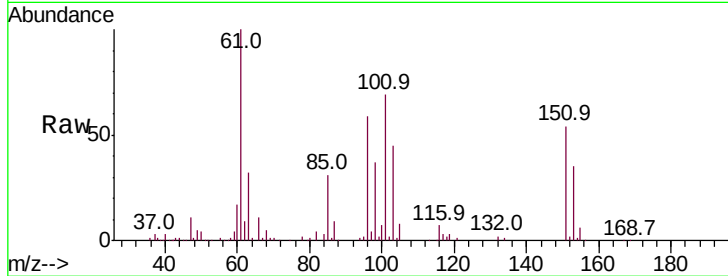
ClientSampleId :

VX0425WBS01

Tot Ion:	101	Resp:	35470
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.7	53.5
151	79.3	62.7	94.1

Manual Integrations
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#10

Methyl Iodide

Concen: 18.902 ug/l

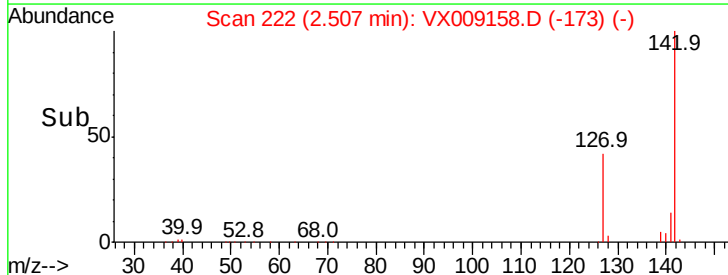
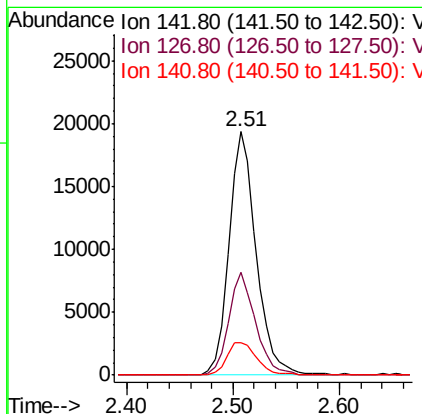
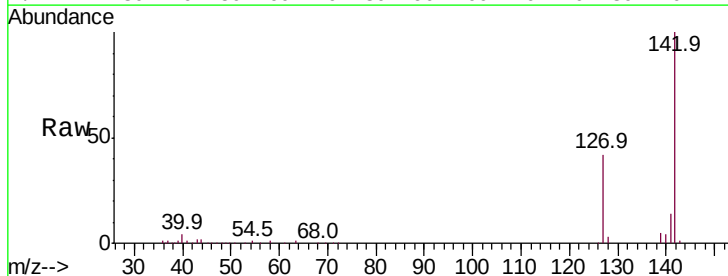
RT: 2.51 min Scan# 222

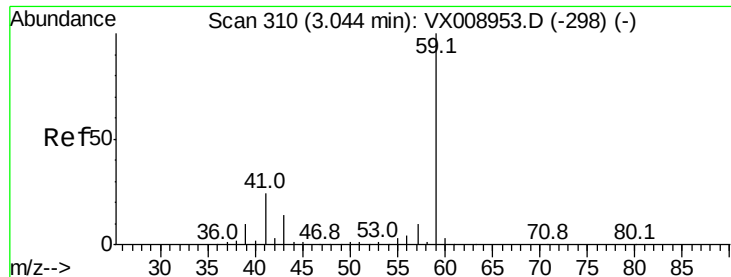
Delta R.T. 0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Tgt Ion:	142	Resp:	34602
Ion Ratio	Lower	Upper	
142	100		
127	41.6	32.8	49.2
141	14.9	11.4	17.2





#11

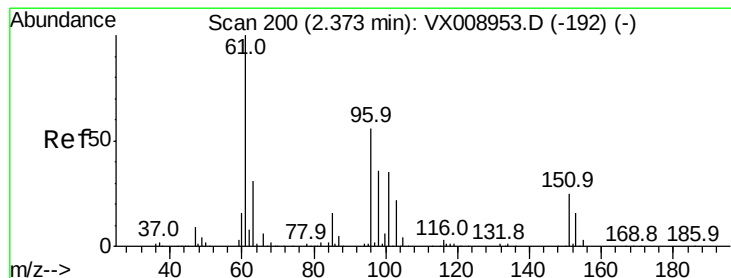
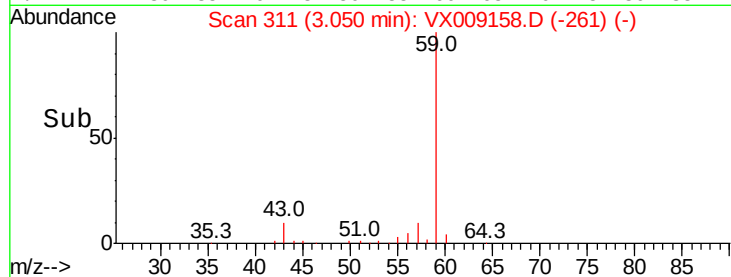
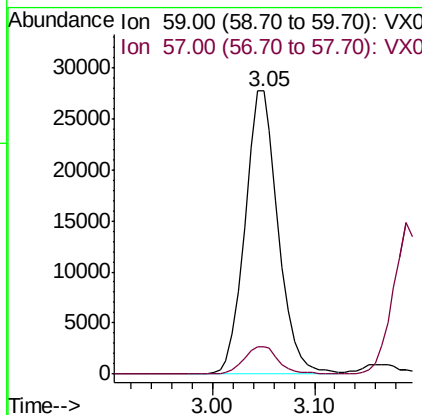
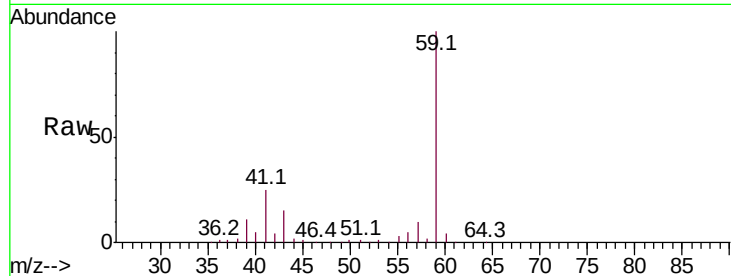
Tert butyl alcohol
 Concen: 103.066 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.01 min
 Lab File: VX009158.D
 Acq: 25 Apr 2019 13:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0425WBS01

Tot Ion	59	Resp	62498
Ion Ratio	100	Lower	Upper
57	10.2	8.4	12.6

Manual Integrations
 APPROVED

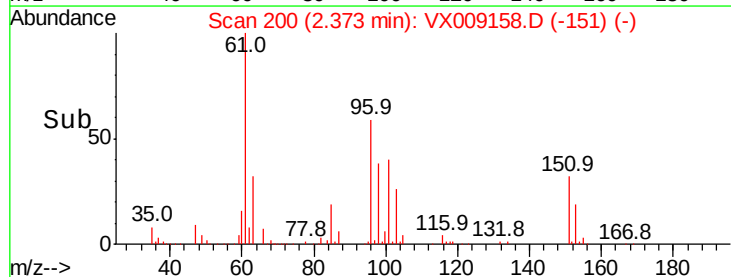
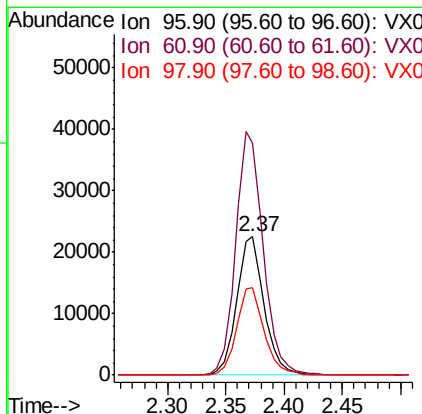
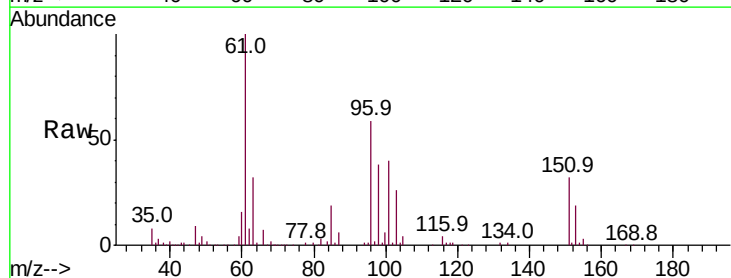
MMdadoda
 4/26/2019 10:05:14 AM

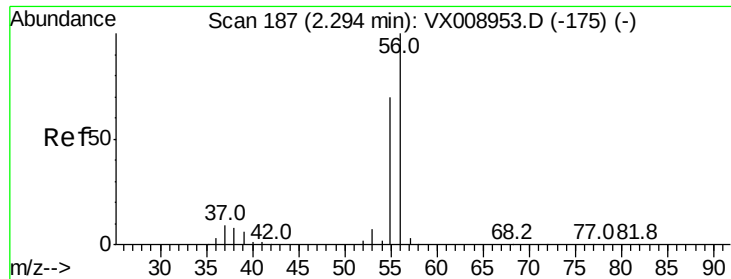


#12

1,1-Dichloroethene
 Concen: 17.727 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX009158.D
 Acq: 25 Apr 2019 13:35

Tgt Ion	96	Resp	36849
Ion Ratio	100	Lower	Upper
61	168.1	142.2	213.2
98	63.2	50.9	76.3





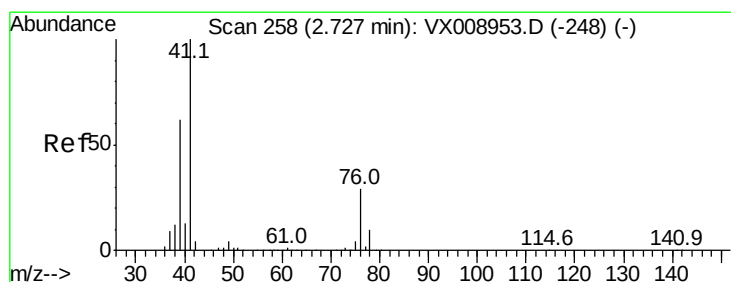
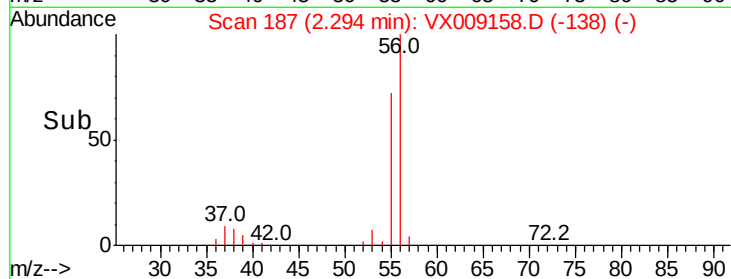
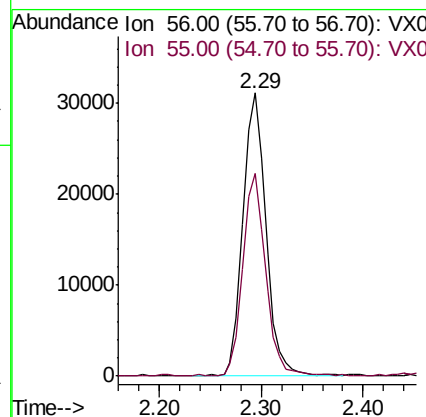
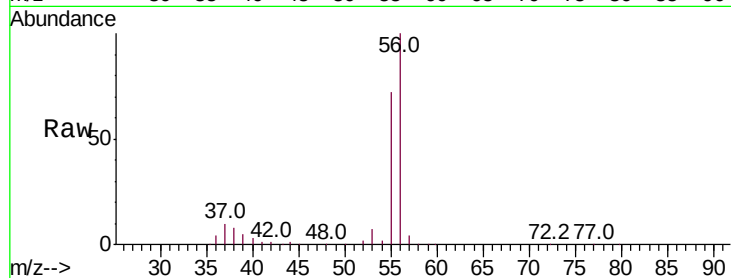
#13
Acrolein
Concen: 93.071 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX009158.D
Acq: 25 Apr 2019 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0425WBS01

Tot Ion: 56 Resp: 48764
Ion Ratio Lower Upper
56 100
55 69.9 56.6 84.8

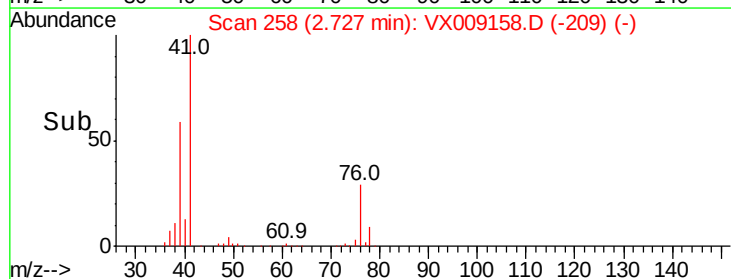
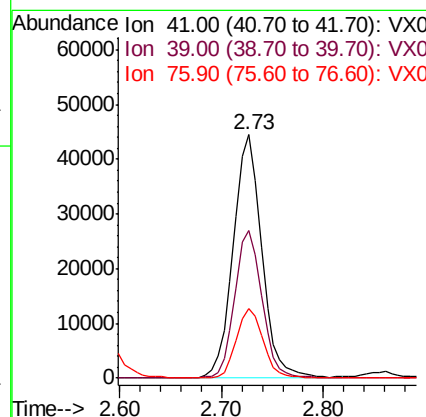
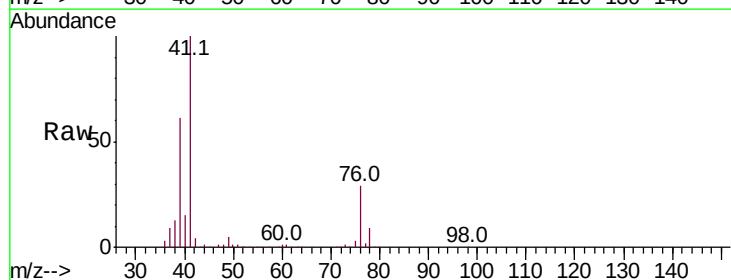
Manual Integrations
APPROVED

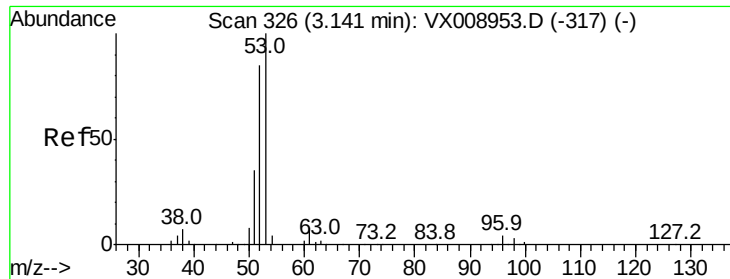
MMdadoda
4/26/2019 10:05:14 AM



#14
Allyl chloride
Concen: 18.911 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009158.D
Acq: 25 Apr 2019 13:35

Tgt Ion: 41 Resp: 85765
Ion Ratio Lower Upper
41 100
39 57.9 46.7 70.1
76 27.1 22.0 33.0





#15

Acrylonitrile

Concen: 97.492 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Instrument :

MSVOA_X

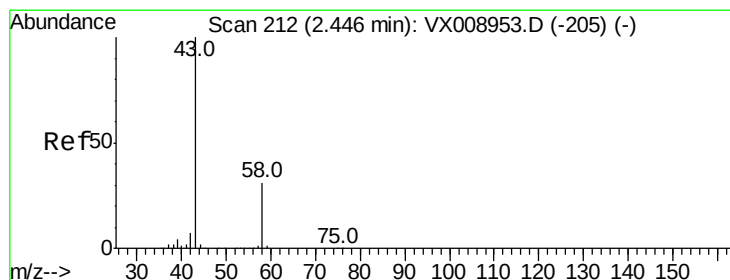
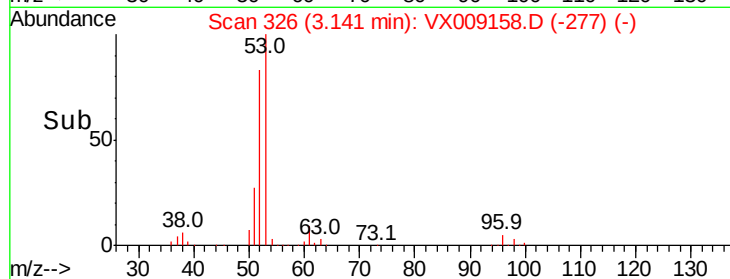
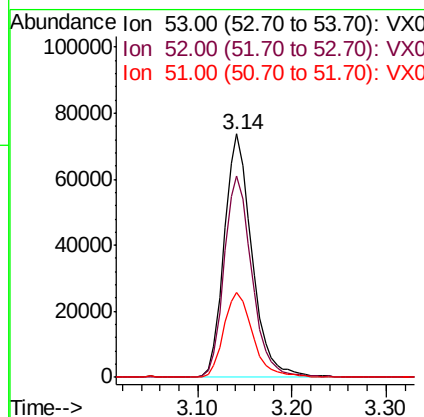
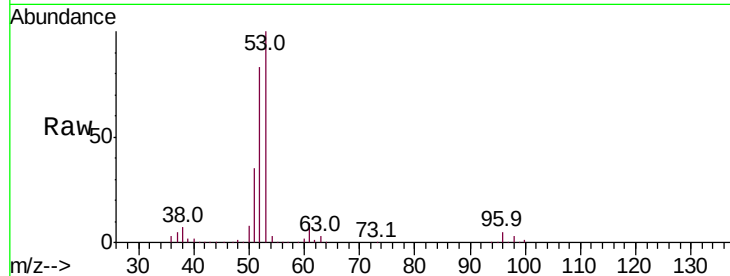
ClientSampled :

VX0425WBS01

Tot Ion:	53	Resp:	150070
Ion Ratio		Lower	Upper
53	100		
52	83.0	66.6	100.0
51	36.6	28.3	42.5

Manual Integrations
APPROVED

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4/26/2019 10:05:14 AM



#16

Acetone

Concen: 98.225 ug/l

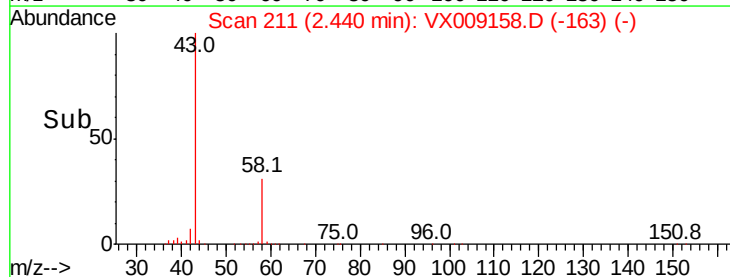
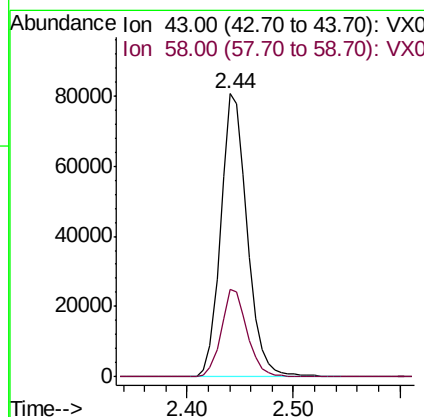
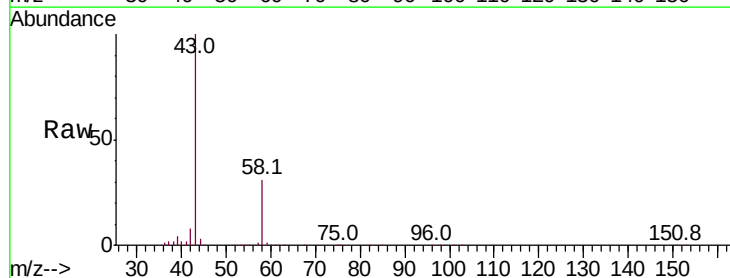
RT: 2.44 min Scan# 211

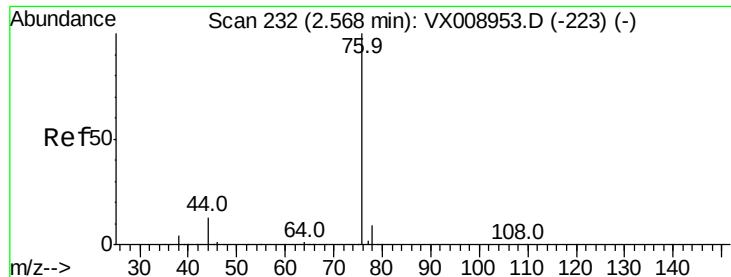
Delta R.T. -0.01 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Tgt Ion:	43	Resp:	139151
Ion Ratio		Lower	Upper
43	100		
58	30.7	24.8	37.2





#17

Carbon Disulfide

Concen: 17.566 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX0425WBS01

Tot Ion: 76 Resp: 102214

Ion Ratio Lower Upper

76 100

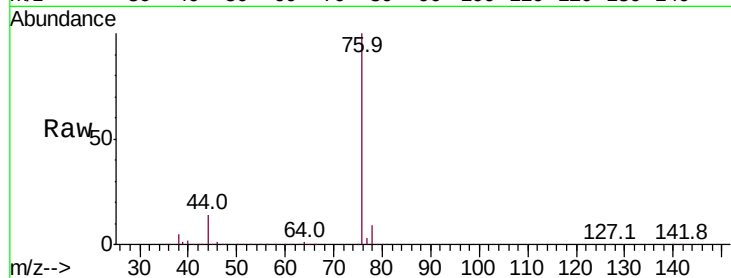
78 8.7 7.2 10.8

Manual Integrations

APPROVED

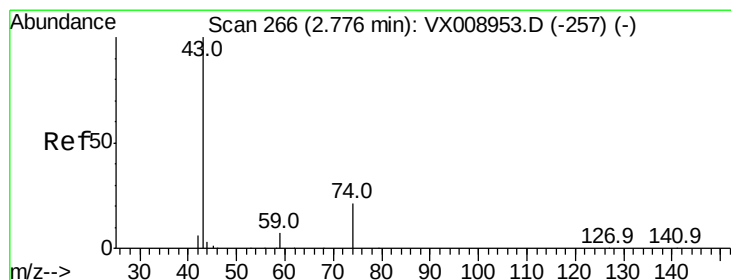
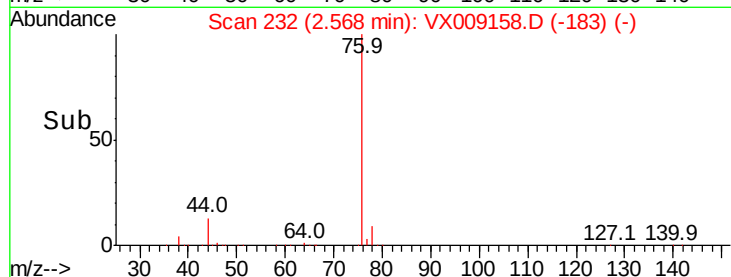
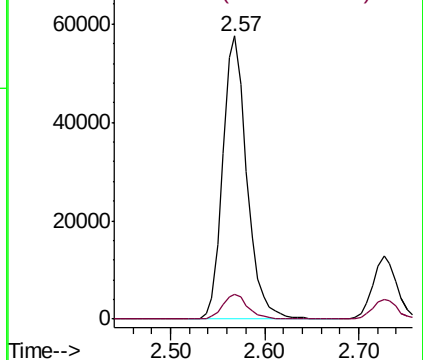
MMdadoda

4/26/2019 10:05:14 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 19.502 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX009158.D

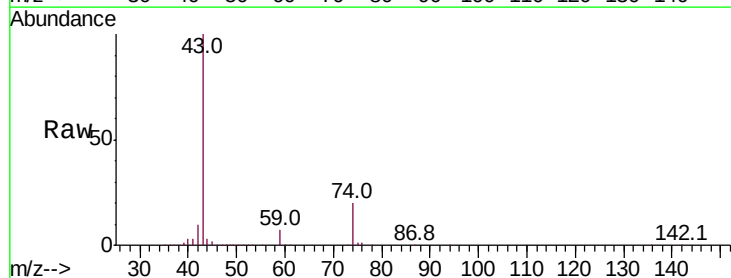
Acq: 25 Apr 2019 13:35

Tgt Ion: 43 Resp: 68953

Ion Ratio Lower Upper

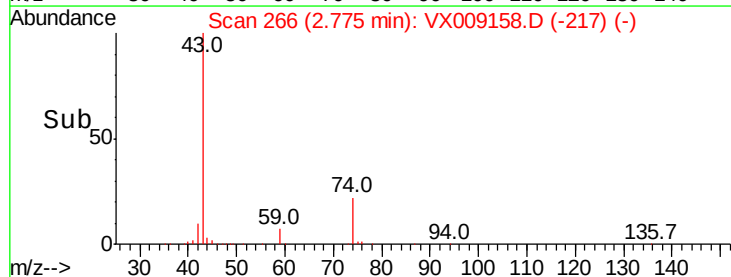
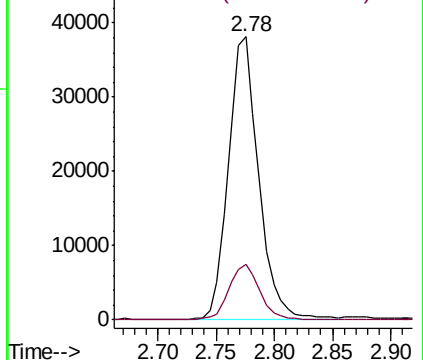
43 100

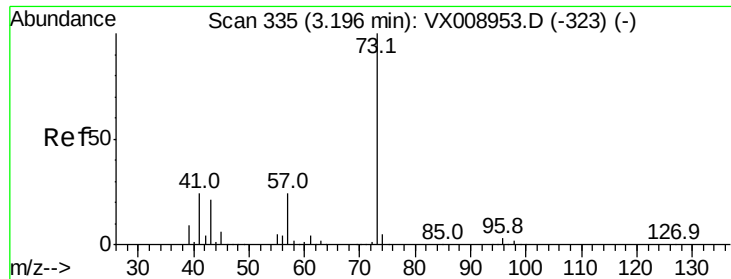
74 20.5 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





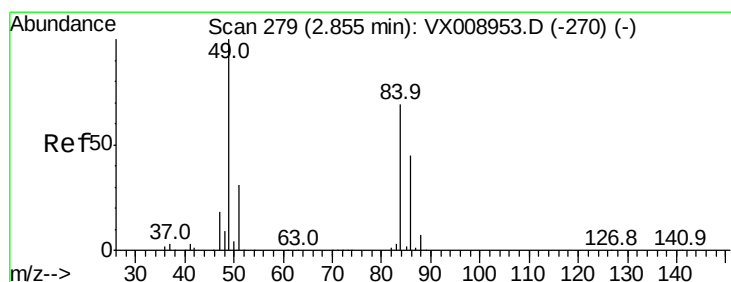
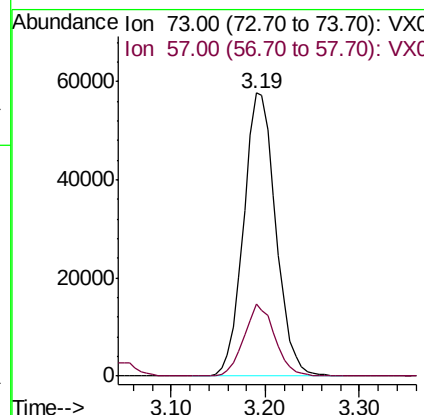
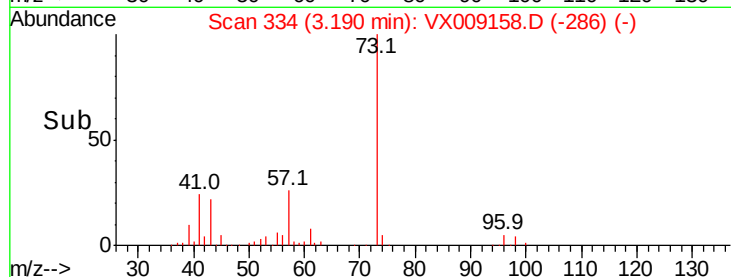
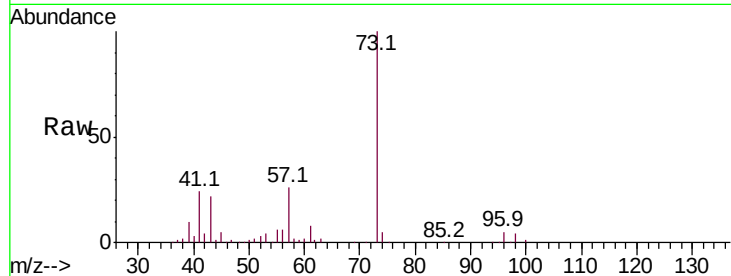
#19
Methyl tert-butyl Ether
Concen: 18.615 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009158.D
Acq: 25 Apr 2019 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0425WBS01

Tot Ion: 73 Resp: 137880
Ion Ratio Lower Upper
73 100
57 25.7 19.2 28.8

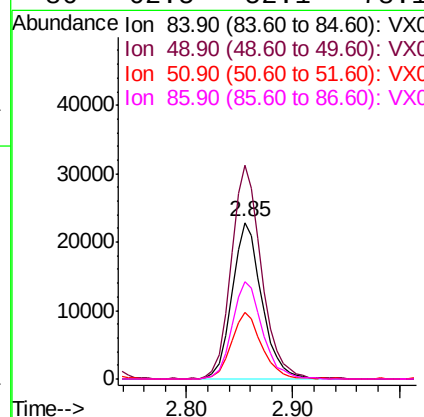
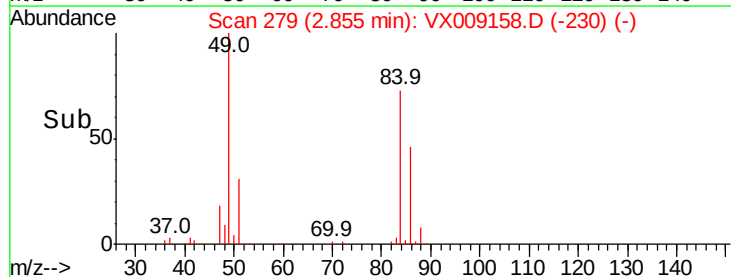
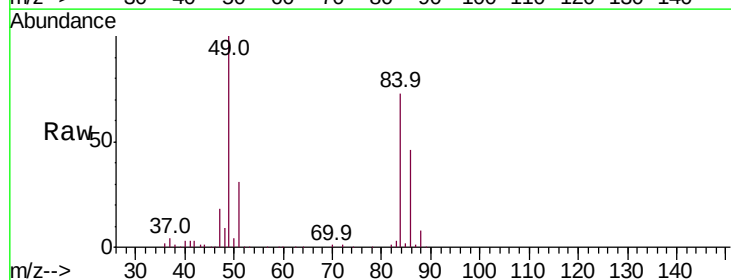
Manual Integrations
APPROVED

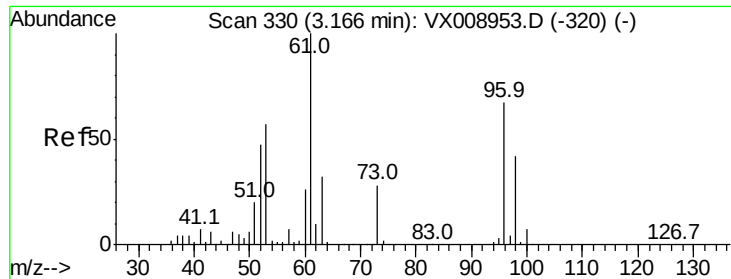
MMdadoda
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#20
Methylene Chloride
Concen: 18.429 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009158.D
Acq: 25 Apr 2019 13:35

Tgt Ion: 84 Resp: 44648
Ion Ratio Lower Upper
84 100
49 135.8 115.4 173.0
51 42.5 35.8 53.6
86 62.5 52.1 78.1





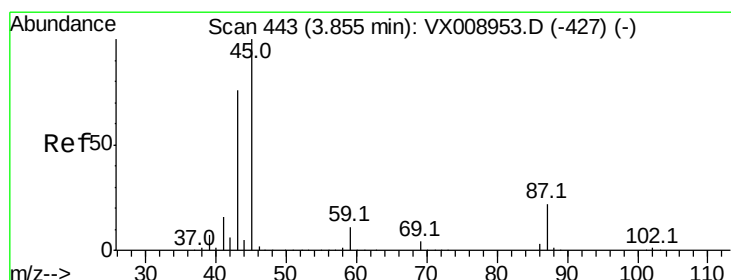
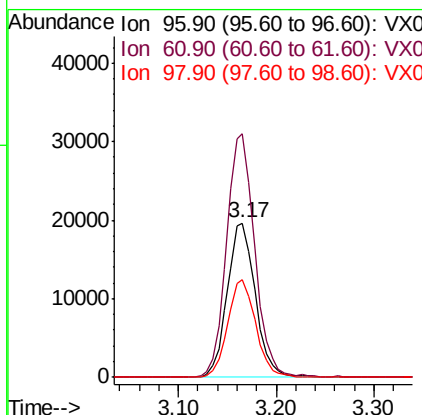
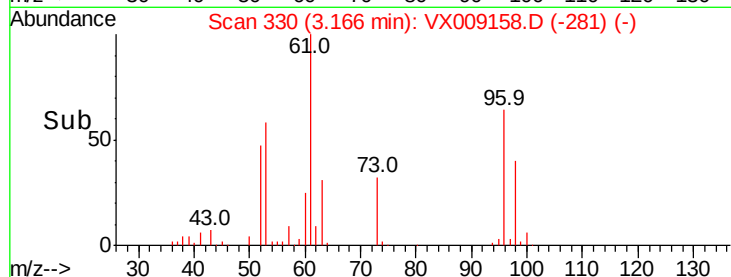
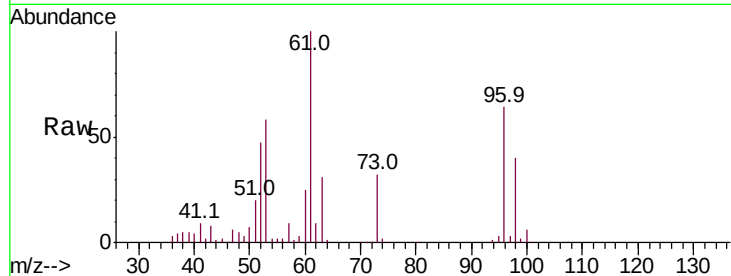
#21
trans-1,2-Dichloroethene
Concen: 17.657 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX009158.D
Acq: 25 Apr 2019 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0425WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.5	120.3	180.5
98	63.3	50.2	75.2

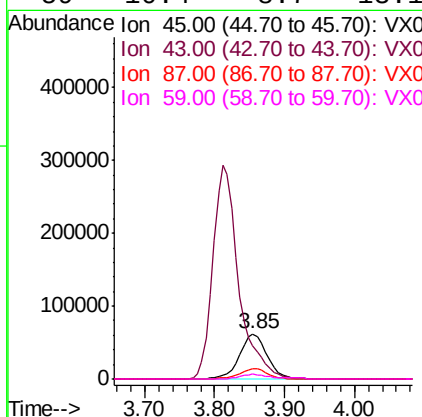
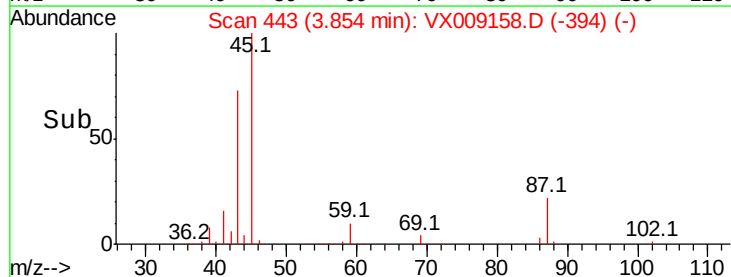
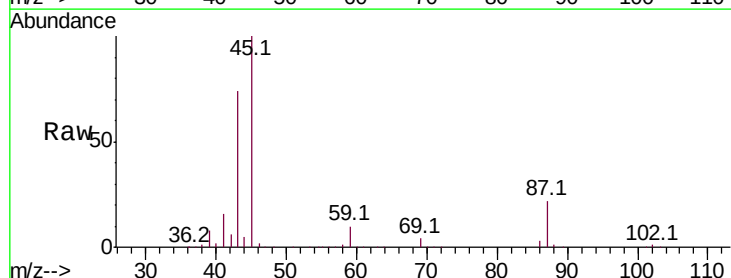
Manual Integrations
APPROVED

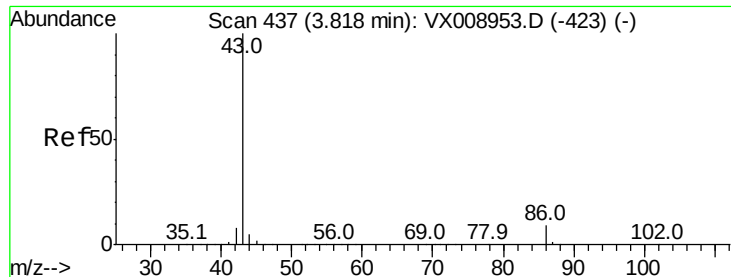
MMDadoda
4/26/2019 10:05:14 AM



#22
Diisopropyl ether
Concen: 19.103 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX009158.D
Acq: 25 Apr 2019 13:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	73.1	60.6	91.0
87	22.3	17.8	26.8
59	10.4	8.7	13.1





#23

Vinyl Acetate

Concen: 96.782 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX0425WBS01

Tot Ion: 43 Resp: 749742

Ion Ratio Lower Upper

43 100

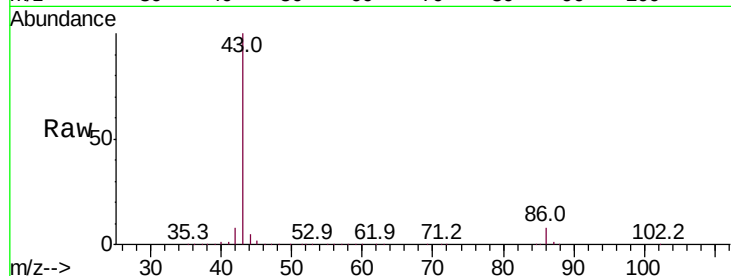
86 8.2 7.1 10.7

Manual Integrations

APPROVED

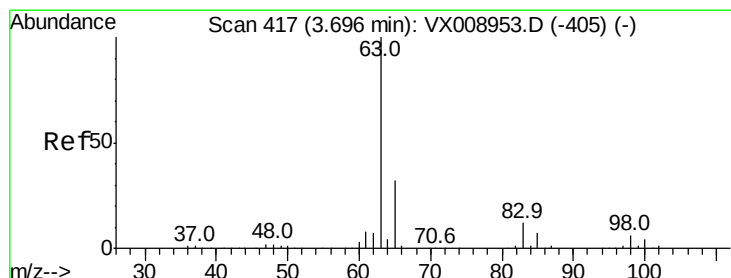
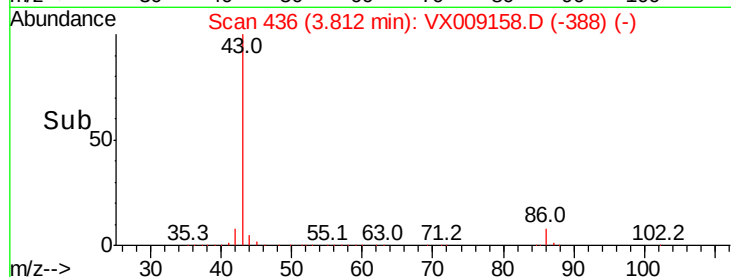
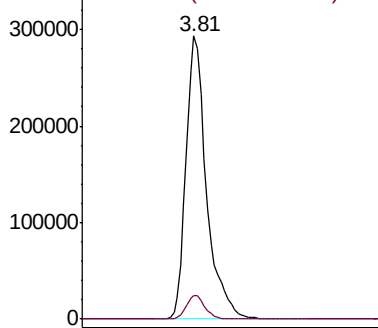
MMdadoda

4/26/2019 10:05:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.623 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

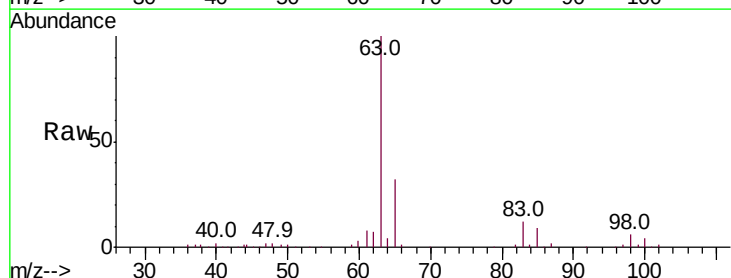
Tgt Ion: 63 Resp: 82383

Ion Ratio Lower Upper

63 100

98 5.7 3.1 9.3

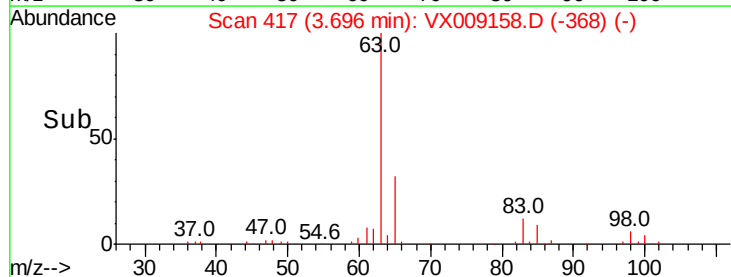
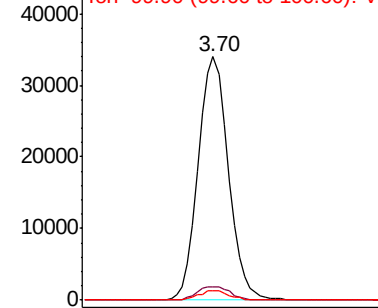
100 3.9 1.9 5.7

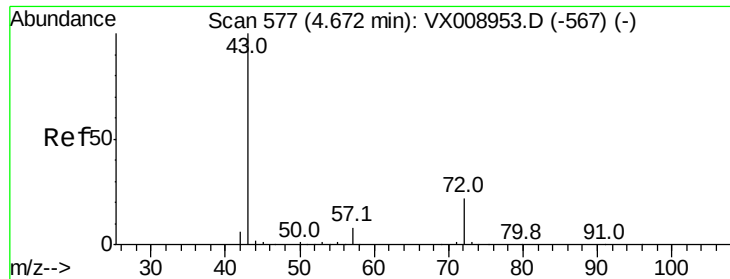


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 100.218 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX0425WBS01

Tot Ion: 43 Resp: 226936

Ion Ratio Lower Upper

43 100

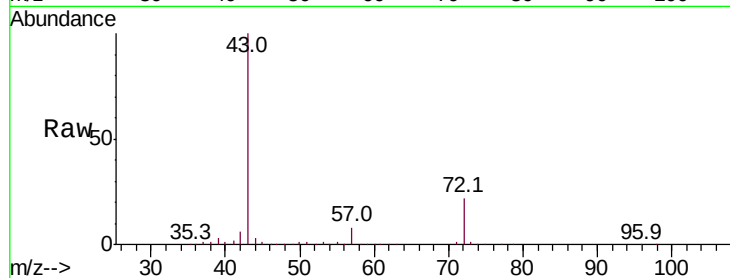
72 22.2 17.5 26.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

80000

60000

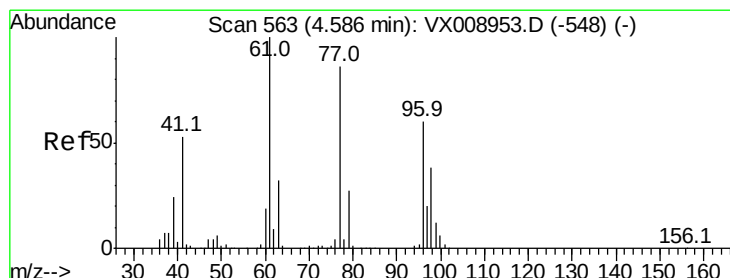
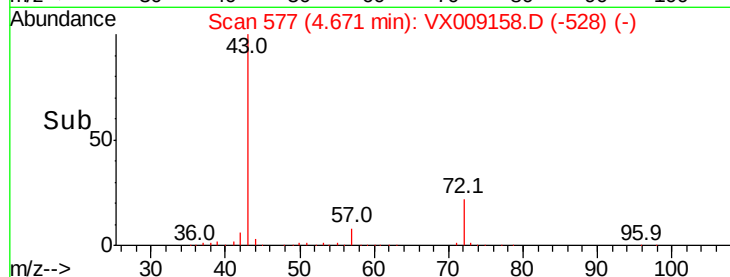
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 17.388 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX009158.D

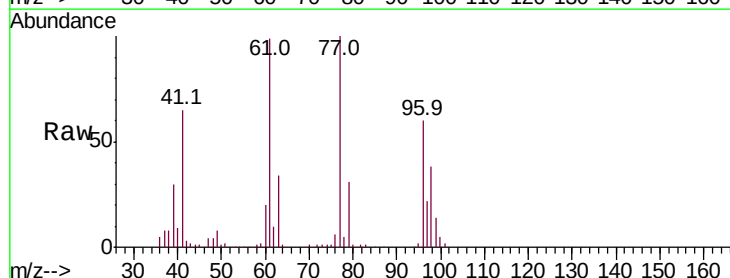
Acq: 25 Apr 2019 13:35

Tgt Ion: 77 Resp: 57660

Ion Ratio Lower Upper

77 100

97 23.2 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

20000

15000

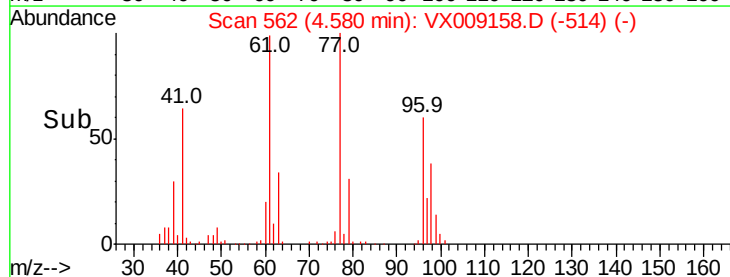
10000

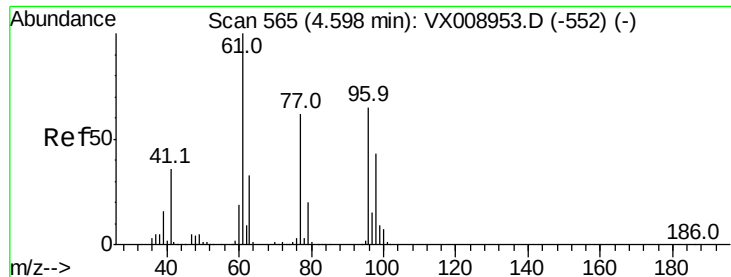
5000

0

4.40 4.50 4.60 4.70

Time-->





#27

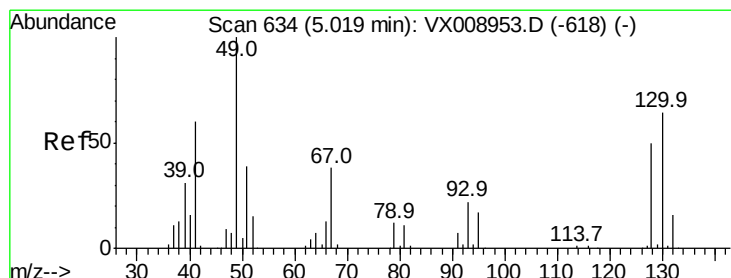
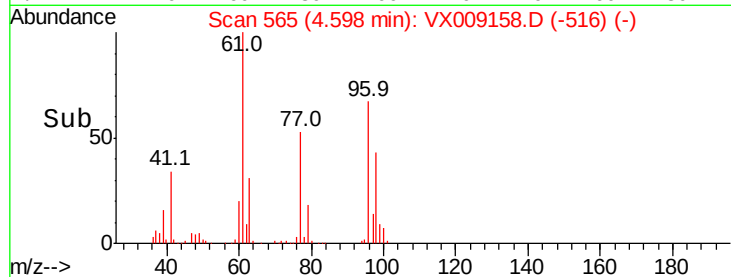
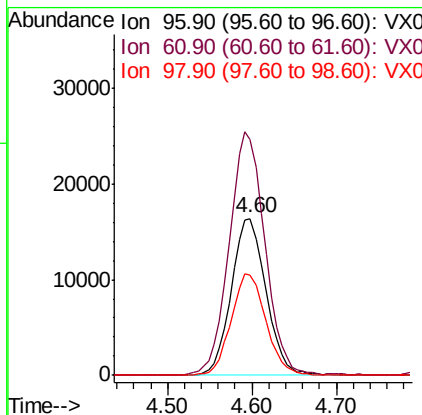
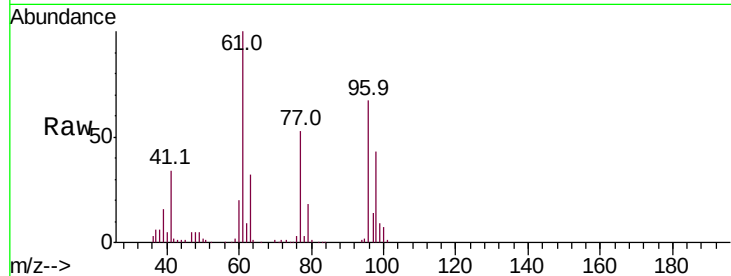
cis-1,2-Dichloroethene
 Concen: 18.152 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX009158.D
 Acq: 25 Apr 2019 13:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0425WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	45695		
61	160.3	0.0	322.0	
98	65.0	0.0	128.4	

Manual Integrations
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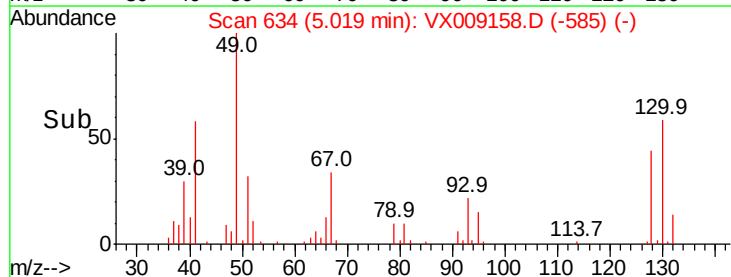
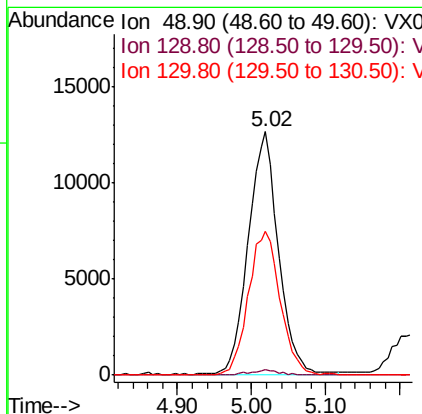
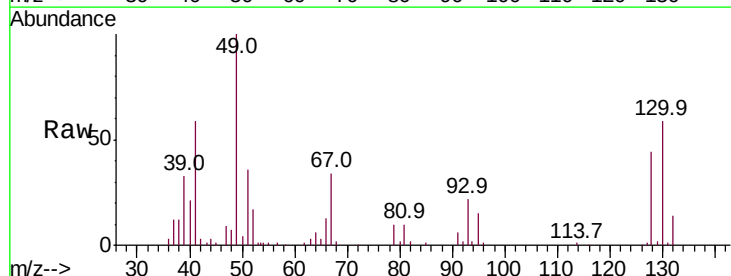
MMdadoda
 4/26/2019 10:05:14 AM

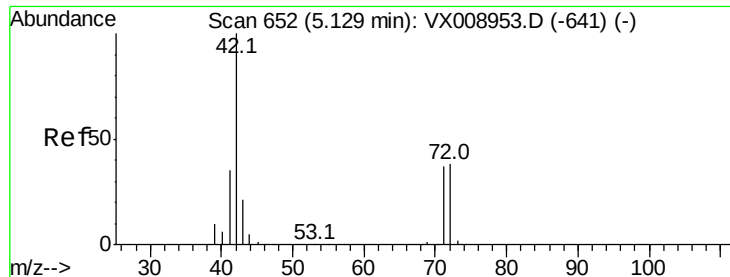


#28

Bromochloromethane
 Concen: 18.526 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX009158.D
 Acq: 25 Apr 2019 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	36272		
129	1.9	0.0	3.6	
130	61.4	50.4	75.6	





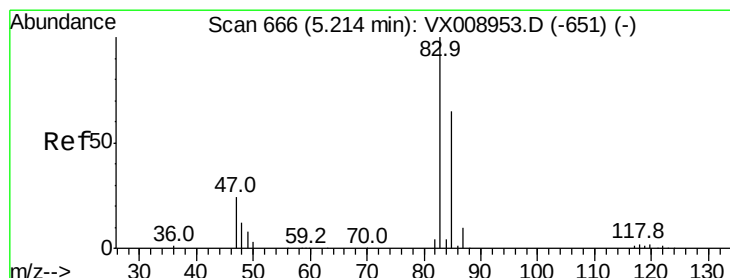
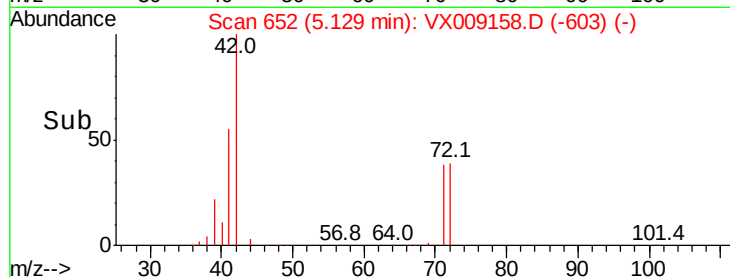
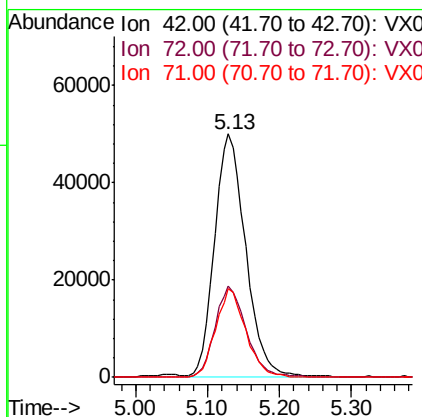
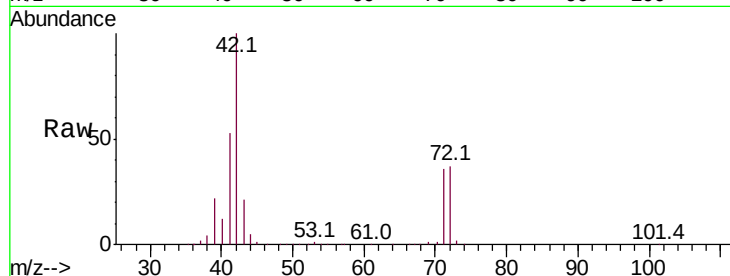
#29
Tetrahydrofuran
Concen: 98.416 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009158.D
Acq: 25 Apr 2019 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0425WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	30.6	45.8
71	35.7	28.8	43.2

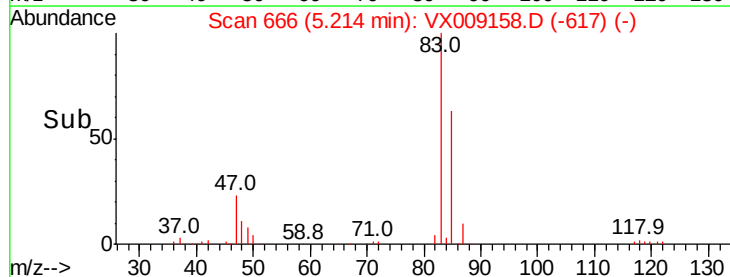
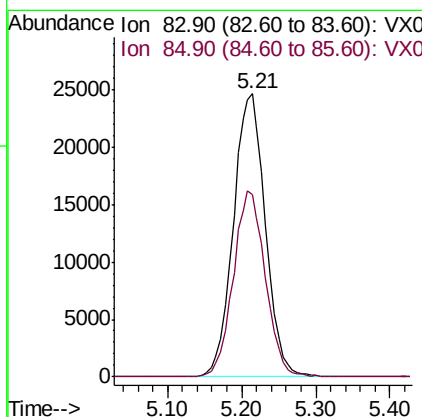
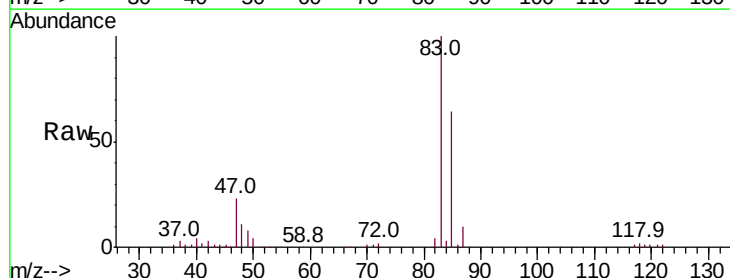
Manual Integrations
APPROVED

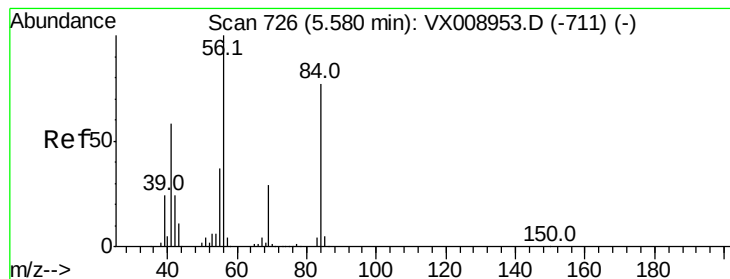
MMDadoda
4/26/2019 10:05:14 AM



#30
Chloroform
Concen: 18.726 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX009158.D
Acq: 25 Apr 2019 13:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.9	77.9





#31

Cyclohexane

Concen: 18.379 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX0425WBS01

Tot Ion: 56 Resp: 79968

Ion Ratio Lower Upper

56 100

69 29.3 23.3 34.9

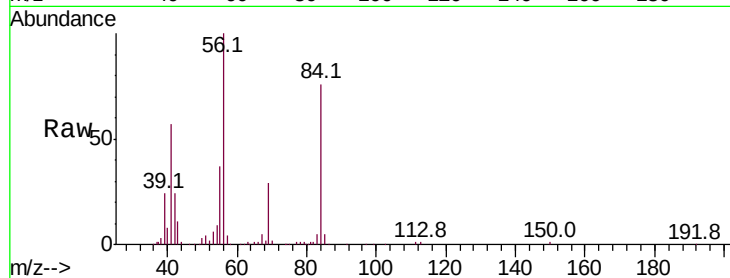
84 75.1 61.7 92.5

Manual Integrations

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MMdadoda

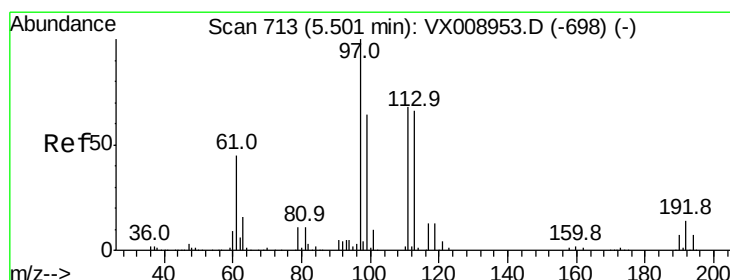
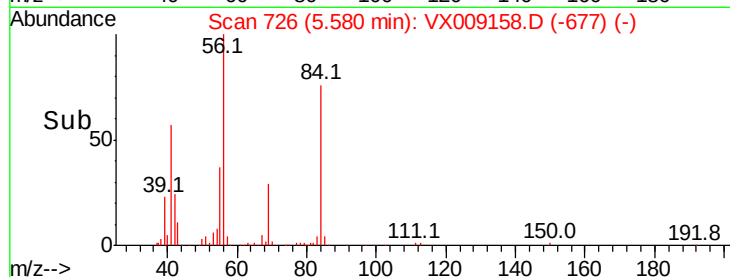
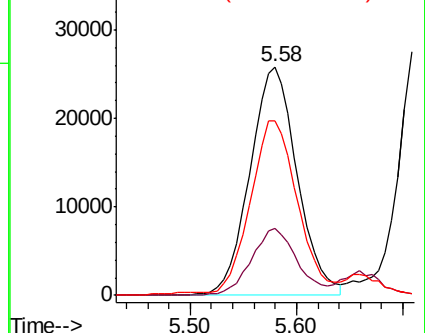
4/26/2019 10:05:14 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 18.321 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

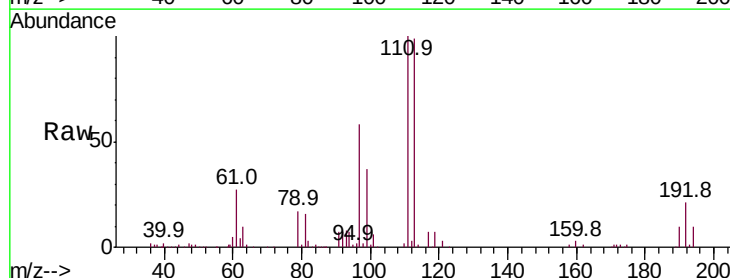
Tgt Ion: 97 Resp: 60112

Ion Ratio Lower Upper

97 100

99 63.9 51.6 77.4

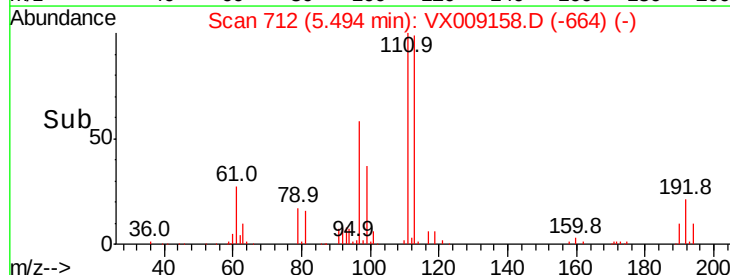
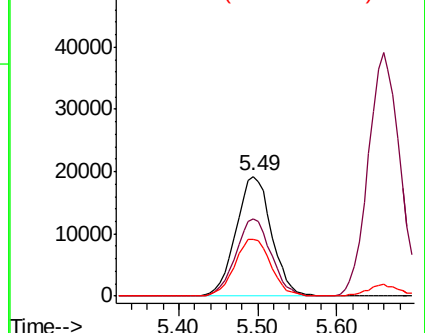
61 48.5 37.9 56.9

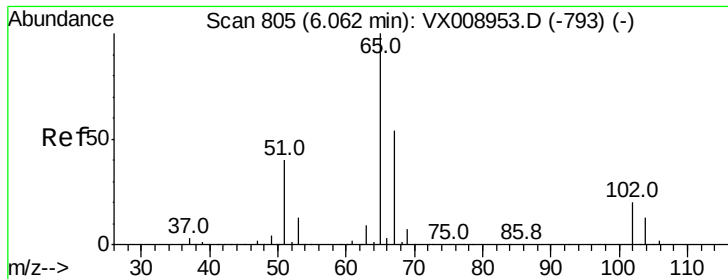


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





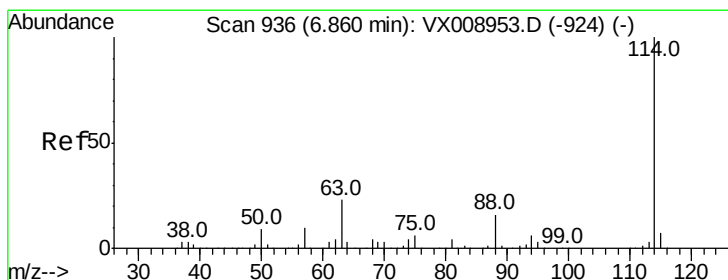
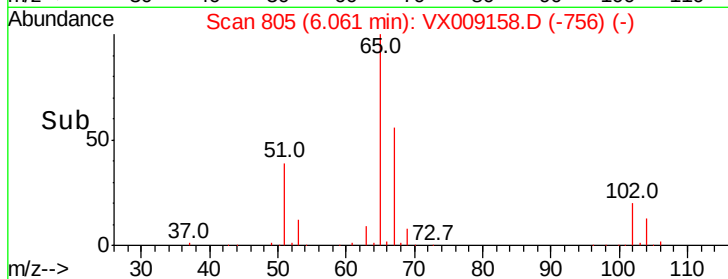
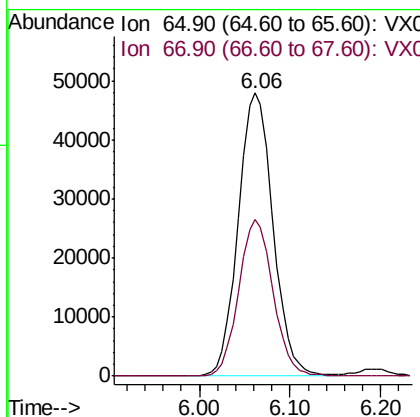
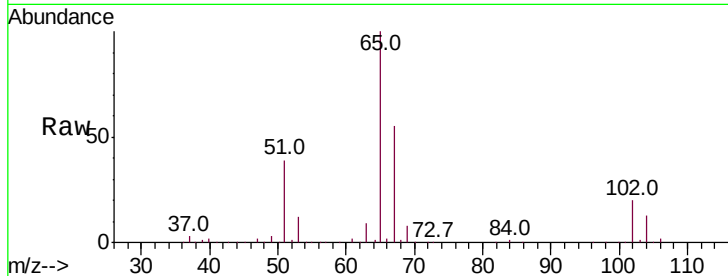
#33
 1,2-Dichloroethane-d4
 Concen: 46.560 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009158.D
 Acq: 25 Apr 2019 13:35

Instrument :
 MSVOA_X
 ClientSampled :
 VX0425WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	127194		
67	54.8	0.0	108.6	

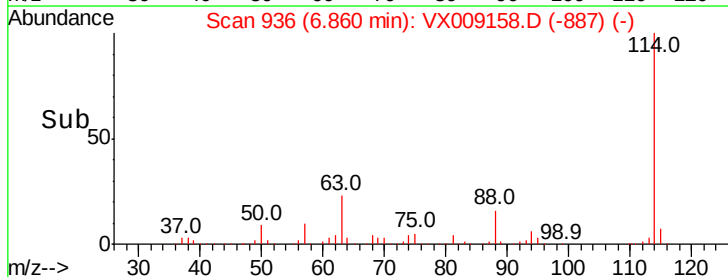
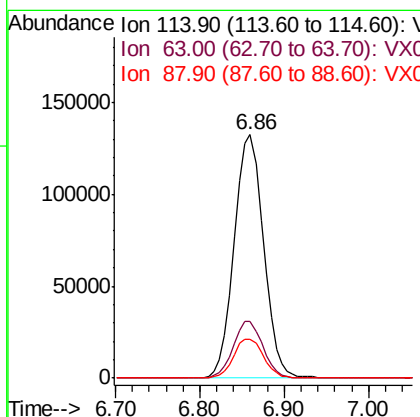
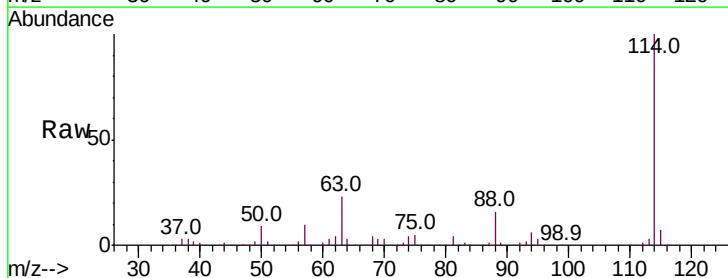
Manual Integrations
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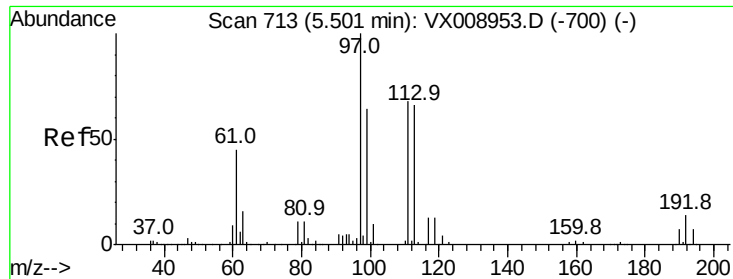
MMDadoda
 4/26/2019 10:05:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009158.D
 Acq: 25 Apr 2019 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	312807		
63	23.1	0.0	46.0	
88	16.1	0.0	32.6	





#35

Dibromofluoromethane

Concen: 46.919 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Instrument :

MSVOA_X

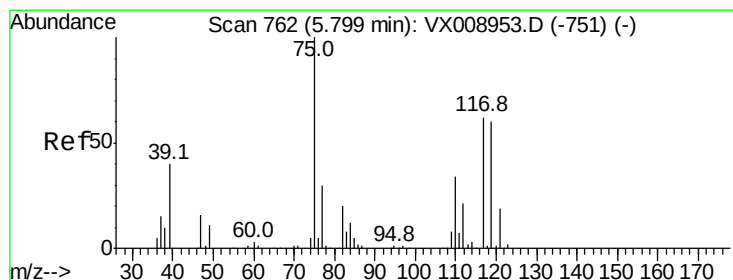
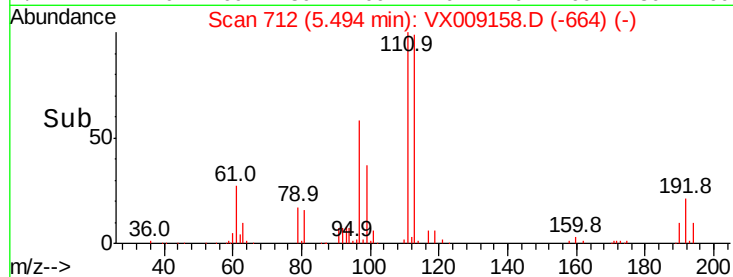
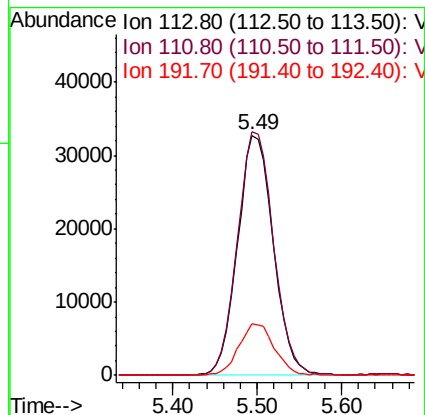
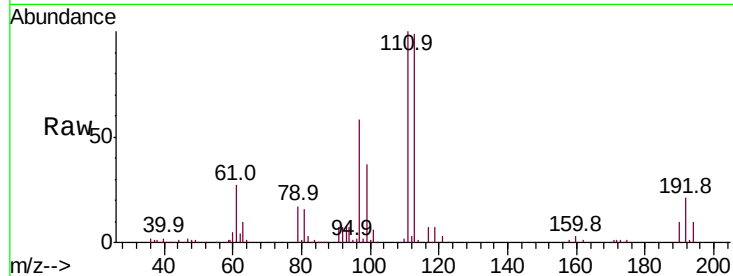
ClientSampleId :

VX0425WBS01

Tot Ion:	113	Resp:	94190
Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.9	124.3
192	21.3	17.4	26.0

Manual Integrations
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MMdadoda
4/26/2019 10:05:14 AM



#36

1,1-Dichloropropene

Concen: 17.408 ug/l

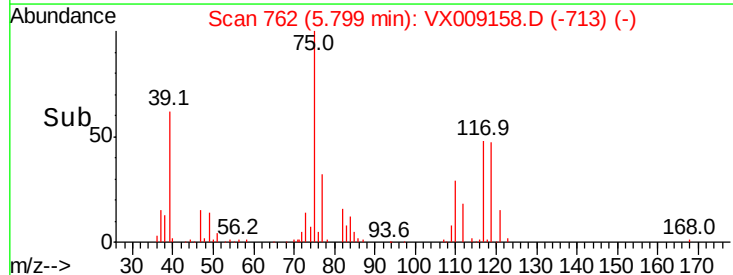
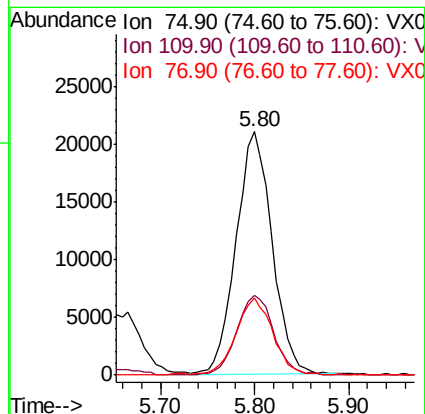
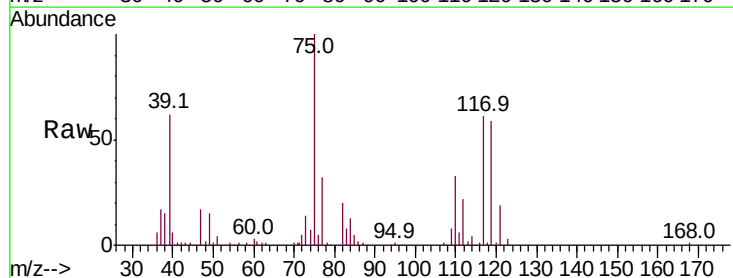
RT: 5.80 min Scan# 762

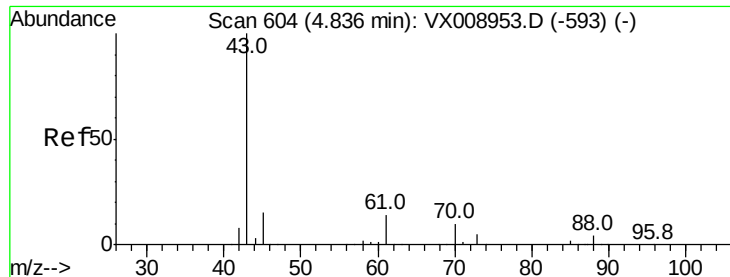
Delta R.T. -0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Tgt Ion:	75	Resp:	56316
Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.7
77	31.9	25.0	37.4





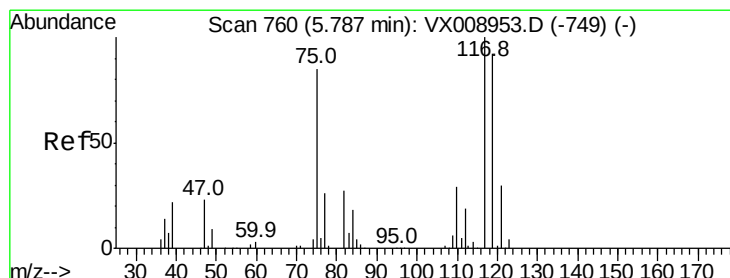
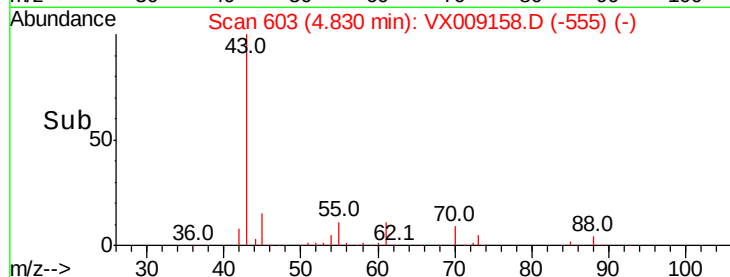
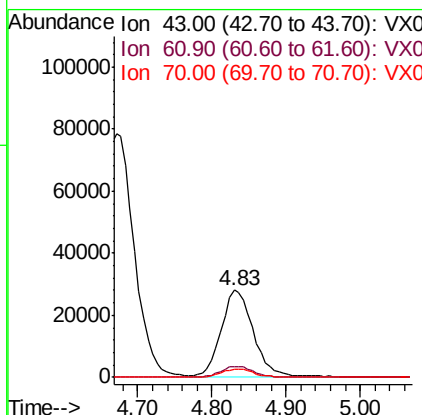
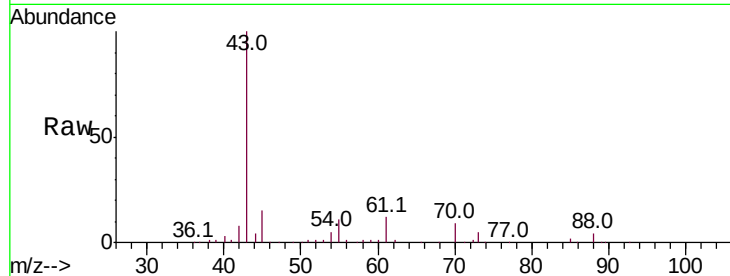
#37
Ethyl Acetate
Concen: 20.232 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX009158.D
Acq: 25 Apr 2019 13:35

Instrument :
MSVOA_X
ClientSampled :
VX0425WBS01

Tot Ion	43	Ratio	100	Resp	84221
Ion	43	100		Lower	Upper
	61	13.4		10.6	15.8
	70	9.8		7.7	11.5

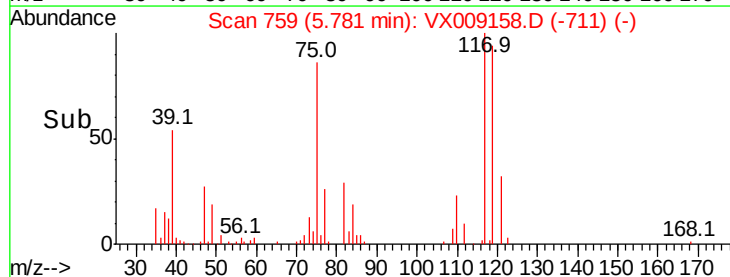
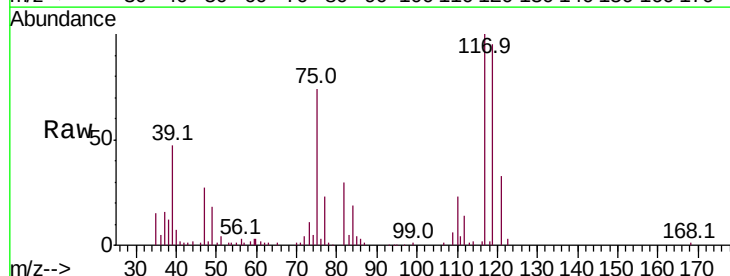
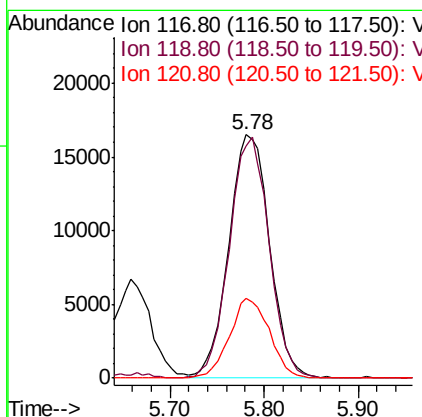
Manual Integrations
APPROVED

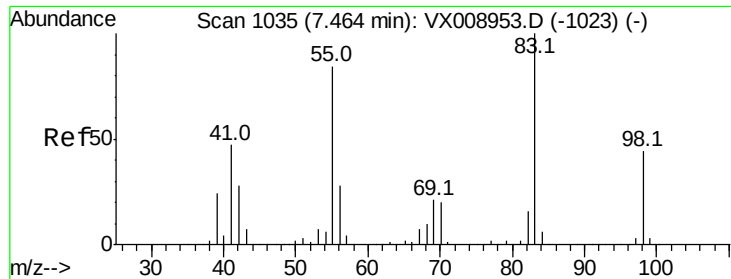
MMDadoda
4/26/2019 10:05:14 AM



#38
Carbon Tetrachloride
Concen: 18.204 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX009158.D
Acq: 25 Apr 2019 13:35

Tgt Ion	117	Ratio	100	Resp	49927
Ion	117	100		Lower	Upper
	119	95.0		73.8	110.8
	121	32.8		23.6	35.4





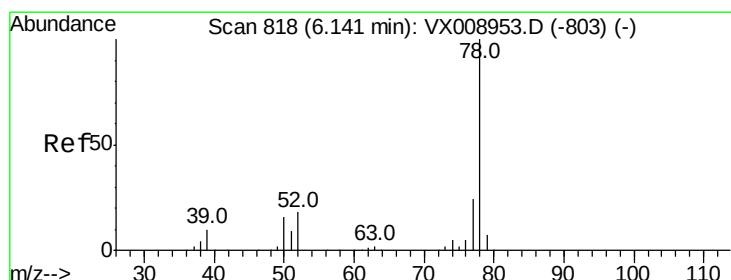
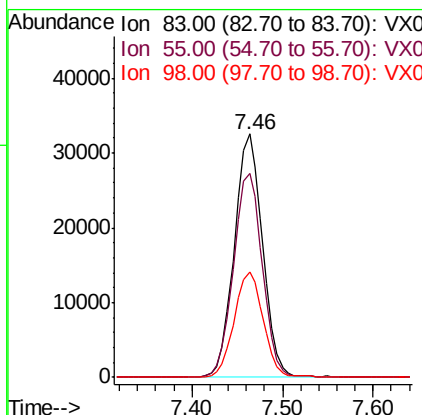
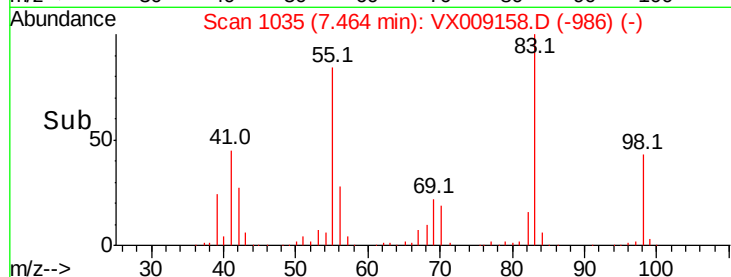
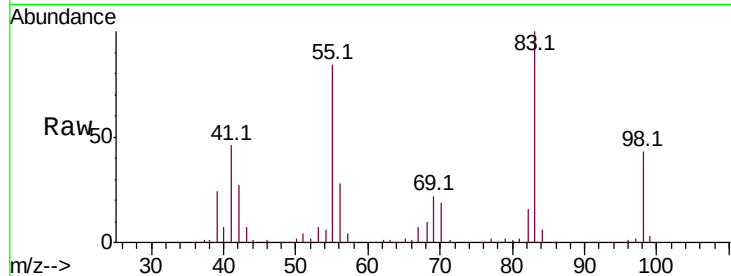
#39
Methylvlcyclohexane
Concen: 17.896 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009158.D
Acq: 25 Apr 2019 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0425WBS01

Tot Ion	83	Resp	70489
Ion	Ratio	Lower	Upper
83	100		
55	83.7	67.1	100.7
98	43.1	35.1	52.7

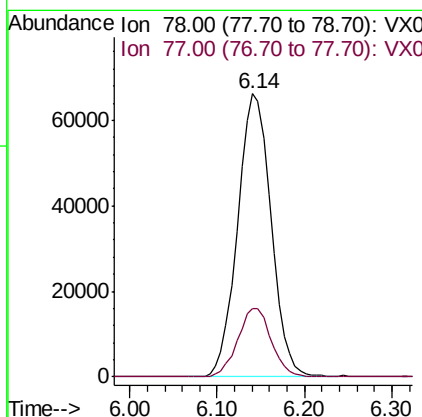
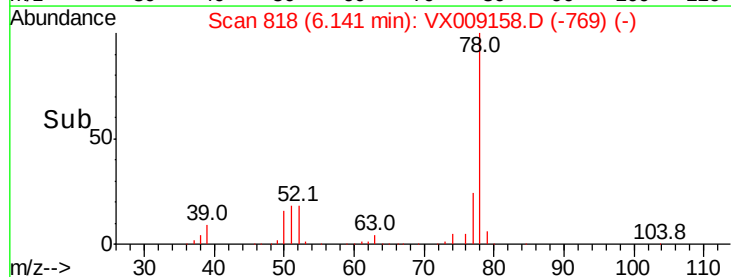
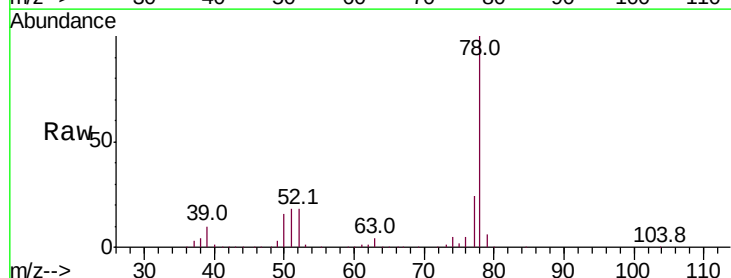
Manual Integrations
APPROVED

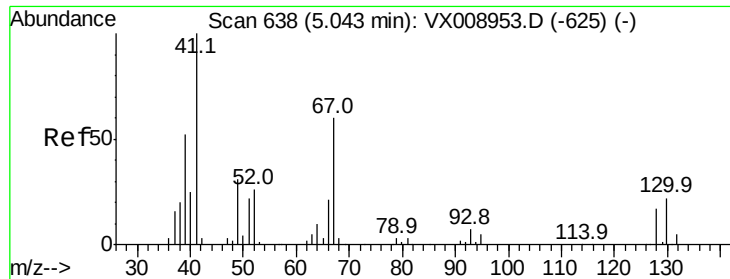
MMDadoda
4/26/2019 10:05:14 AM



#40
Benzene
Concen: 18.478 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009158.D
Acq: 25 Apr 2019 13:35

Tgt Ion	78	Resp	176347
Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.6





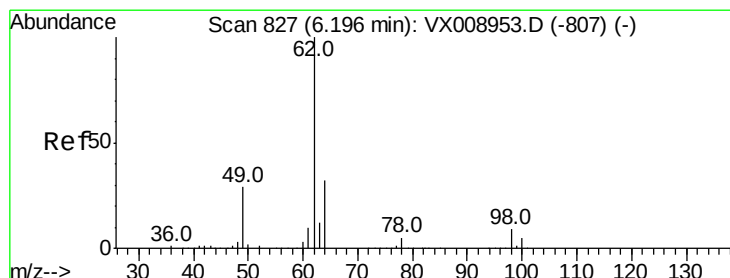
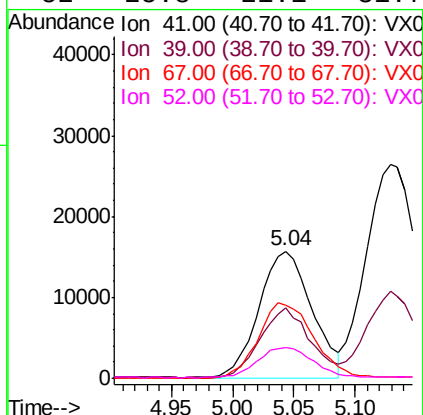
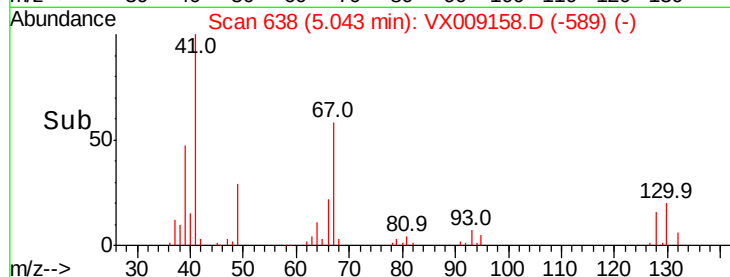
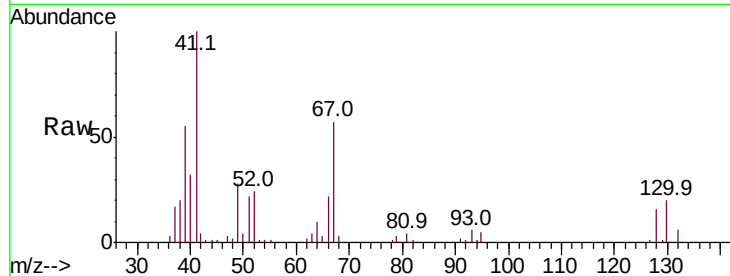
#41
Methacrylonitrile
Concen: 19.745 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009158.D
Acq: 25 Apr 2019 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0425WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	41.8	62.6	
67	62.8	50.2	75.4	
52	25.8	21.1	31.7	

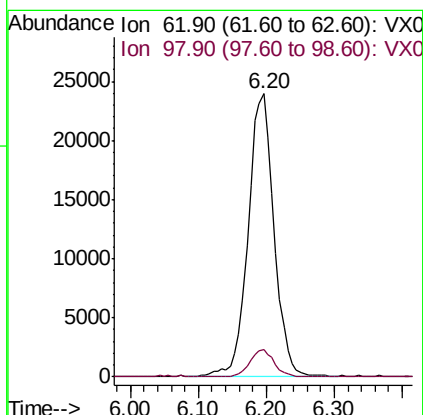
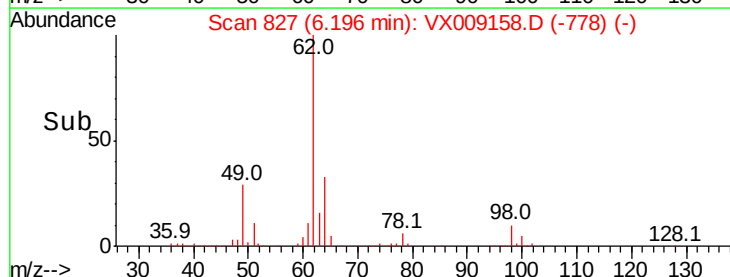
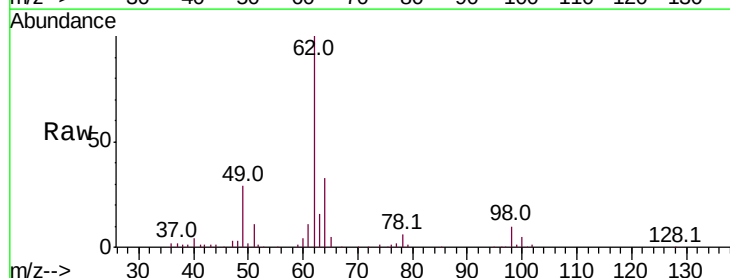
Manual Integrations
APPROVED

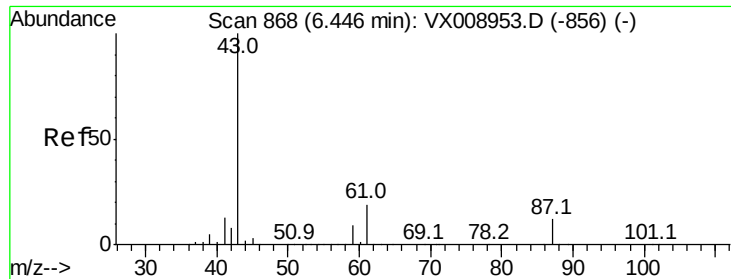
MMDadoda
4/26/2019 10:05:14 AM



#42
1,2-Dichloroethane
Concen: 18.676 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX009158.D
Acq: 25 Apr 2019 13:35

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	18.4	





#43

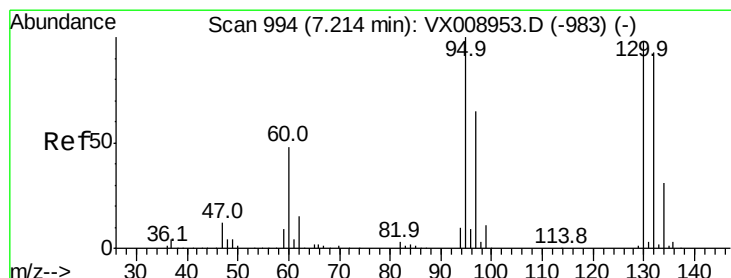
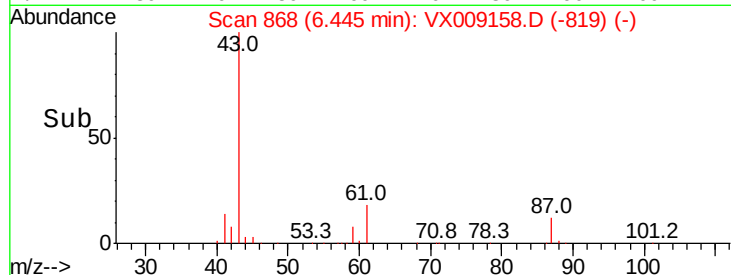
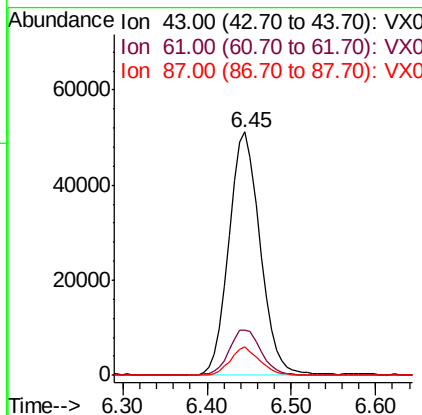
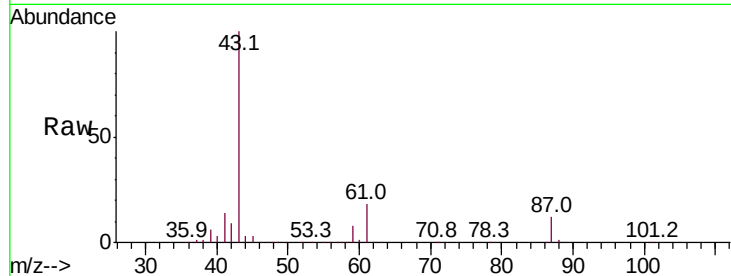
Isopropyl Acetate
 Concen: 19.206 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009158.D
 Acq: 25 Apr 2019 13:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0425WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.4	23.0
87	11.1	9.0	13.4

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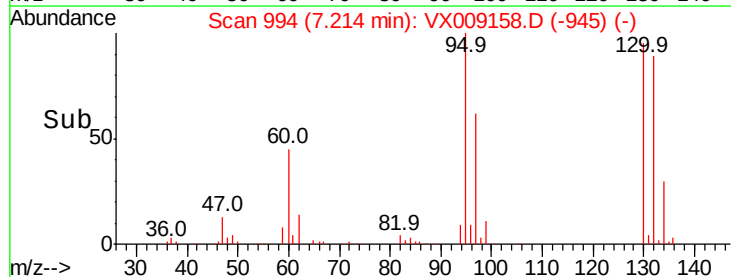
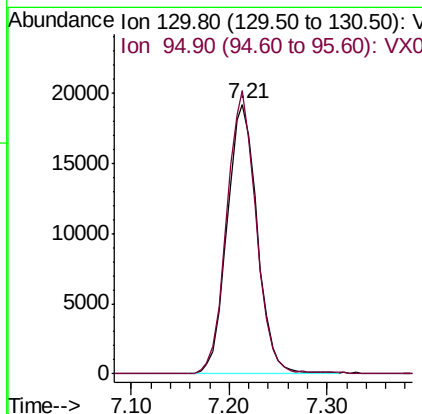
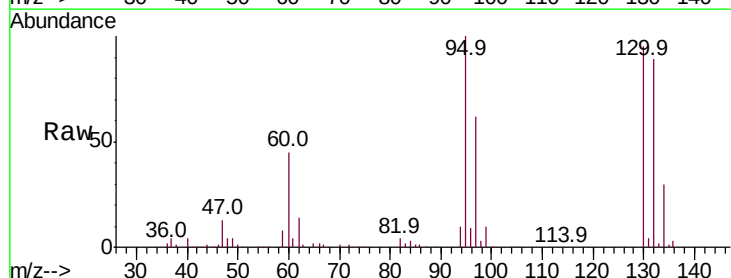
MMDadoda
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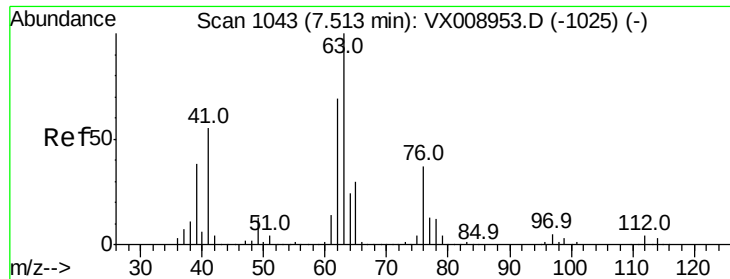


#44

Trichloroethene
 Concen: 17.583 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009158.D
 Acq: 25 Apr 2019 13:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	203.2





#45

1,2-Dichloropropane

Concen: 18.502 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Instrument :

MSVOA_X

ClientSampled :

VX0425WBS01

Tot Ion: 63 Resp: 48987

Ion Ratio Lower Upper

63 100

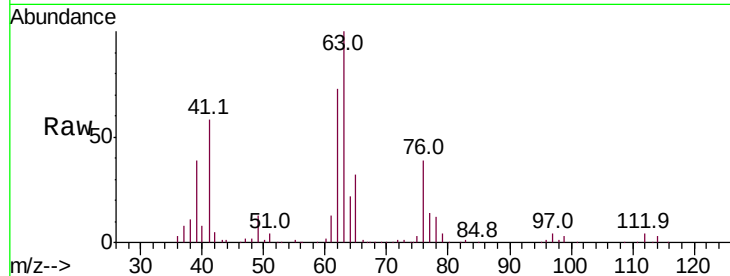
65 31.7 24.1 36.1

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

25000

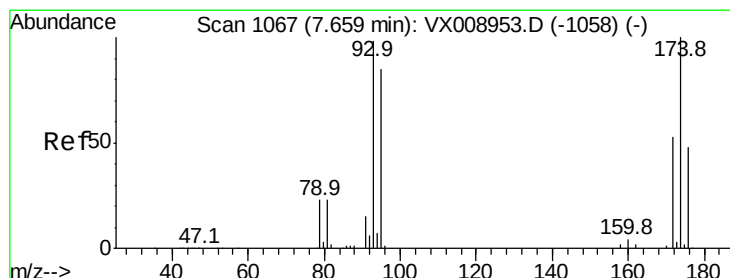
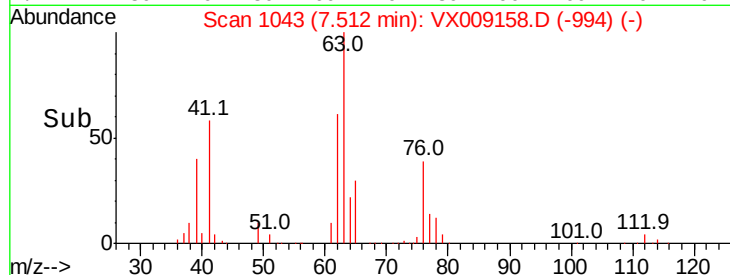
20000

15000

10000

5000

Time-->



#46

Dibromomethane

Concen: 18.613 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

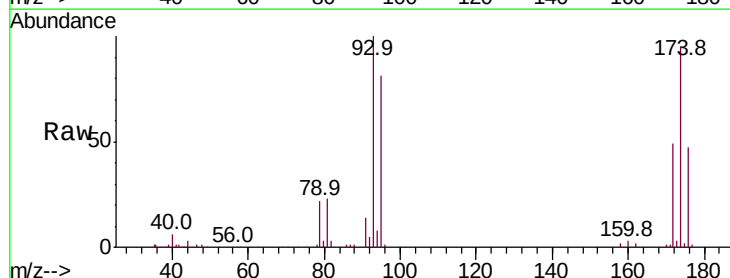
Tgt Ion: 93 Resp: 28680

Ion Ratio Lower Upper

93 100

95 81.8 67.0 100.4

174 100.2 81.6 122.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

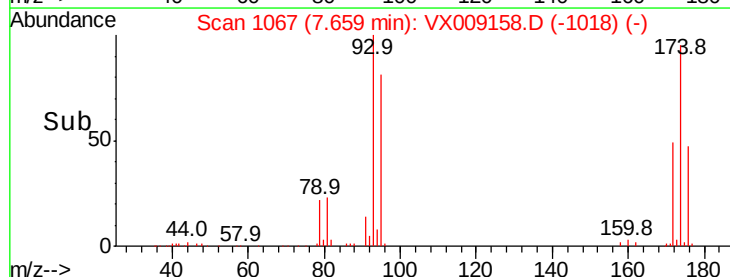
20000

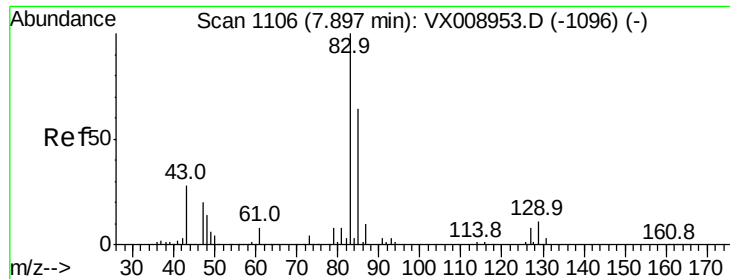
15000

10000

5000

Time-->





#47

Bromodichloromethane

Concen: 18.425 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Instrument :

MSVOA_X

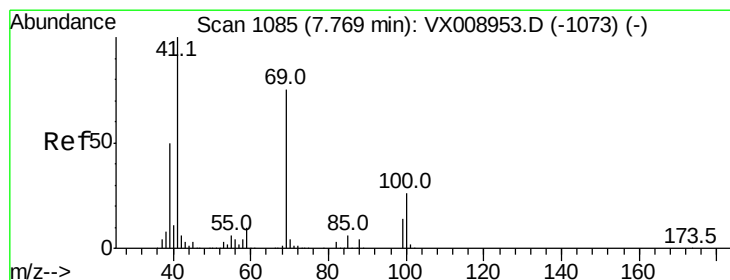
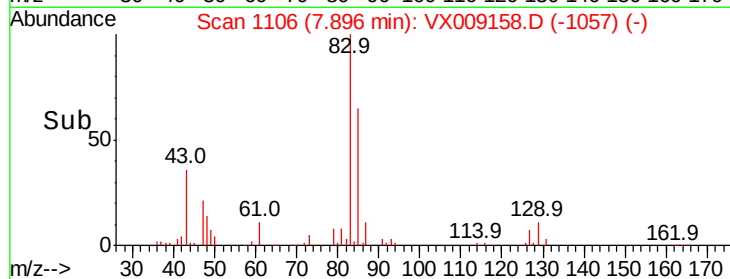
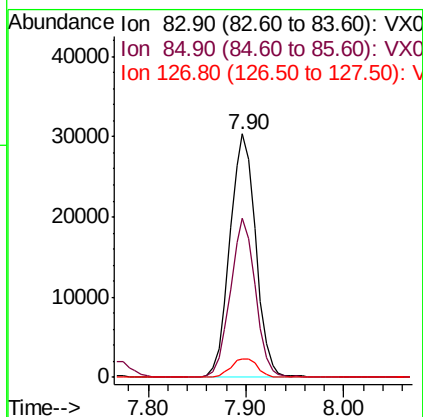
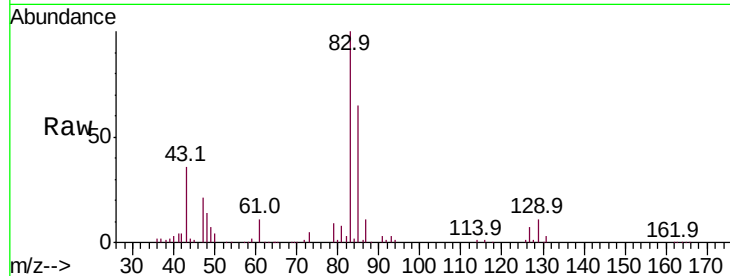
ClientSampleId :

VX0425WBS01

Tot Ion:	83	Resp:	55686
Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.8	76.2
127	7.4	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.268 ug/l

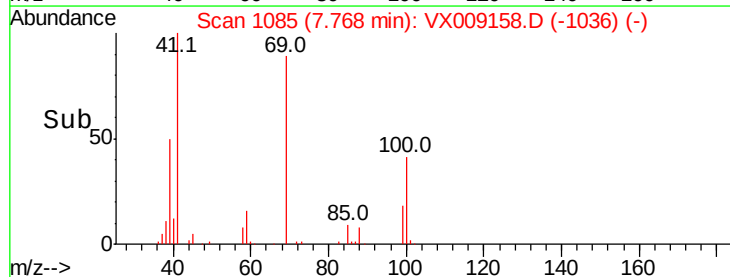
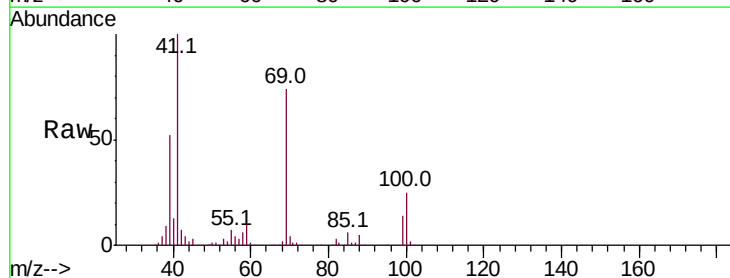
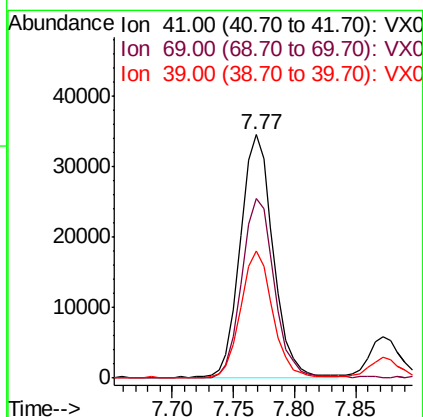
RT: 7.77 min Scan# 1085

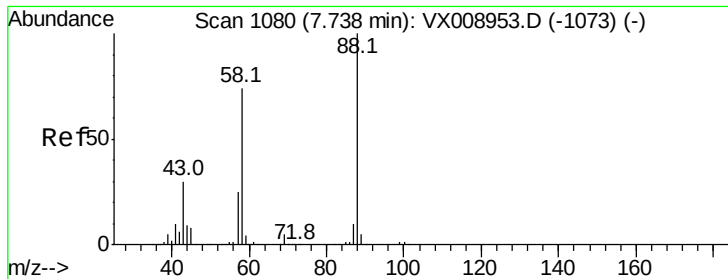
Delta R.T. -0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Tgt Ion:	41	Resp:	63868
Ion	Ratio	Lower	Upper
41	100		
69	74.1	59.4	89.2
39	50.9	39.8	59.6





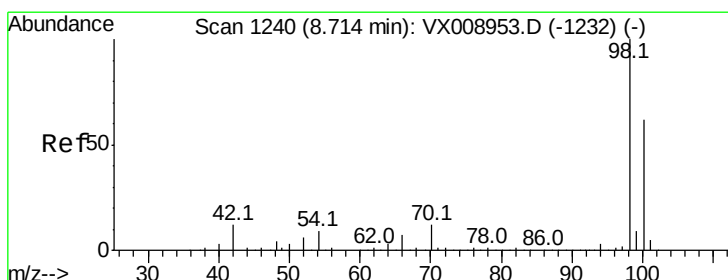
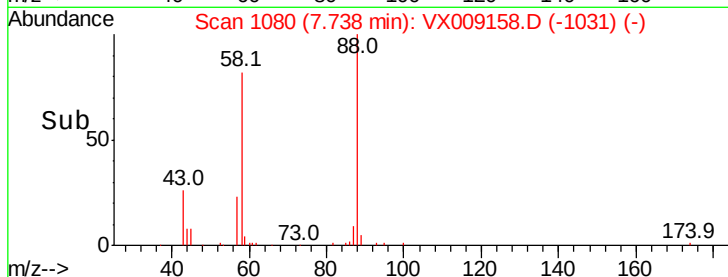
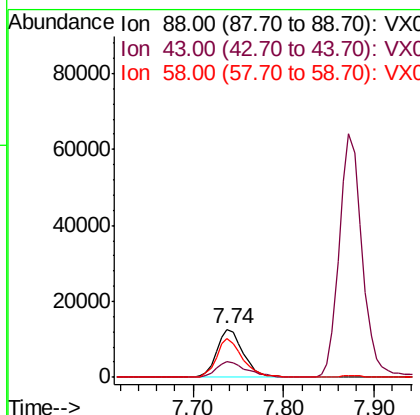
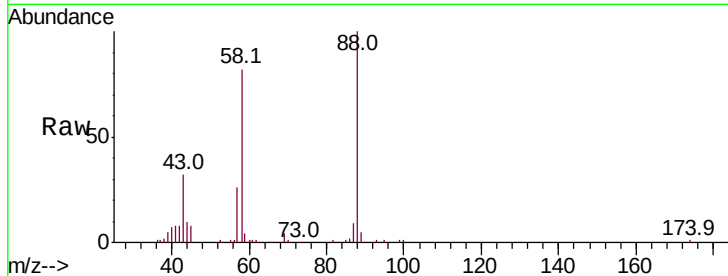
#49
1,4-Dioxane
Concen: 417.676 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009158.D
Acq: 25 Apr 2019 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0425WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.7	29.3	43.9
58	79.6	62.6	93.8

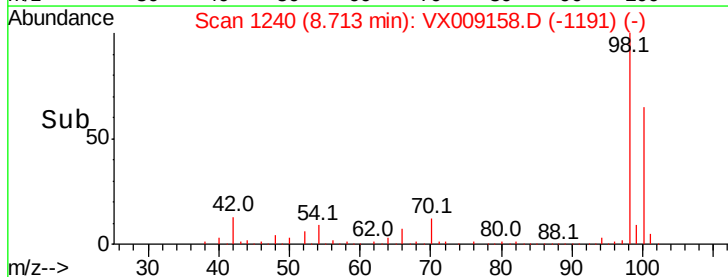
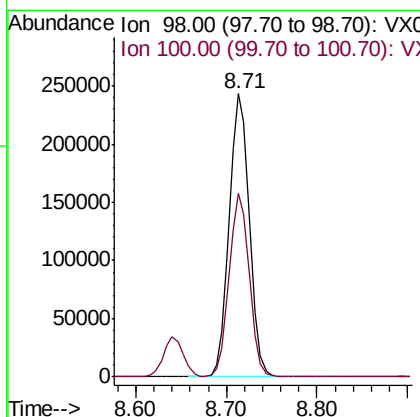
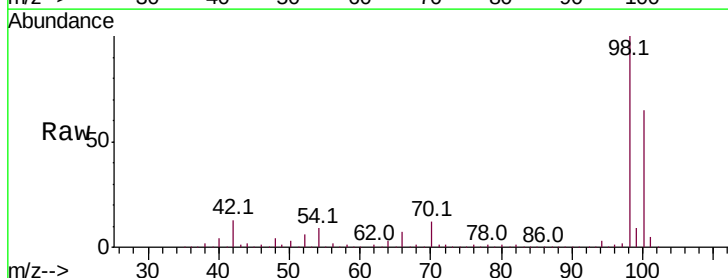
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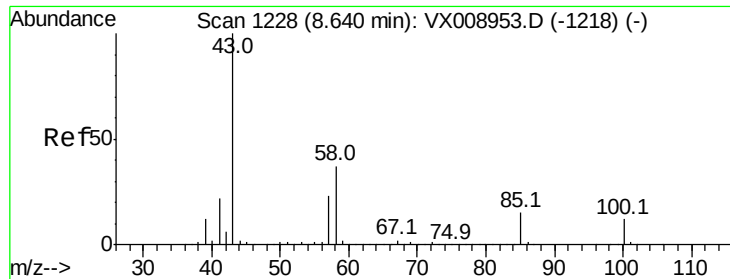
MMdadoda
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#50
Toluene-d8
Concen: 46.656 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009158.D
Acq: 25 Apr 2019 13:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.4	77.2





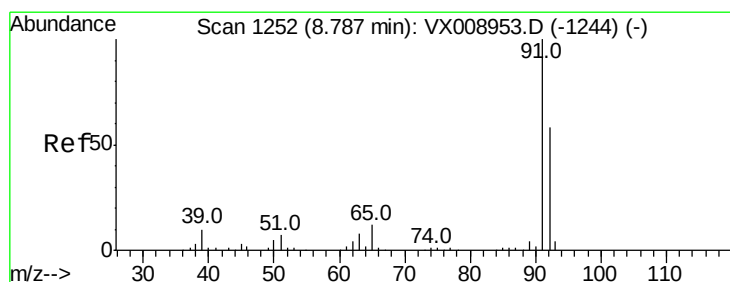
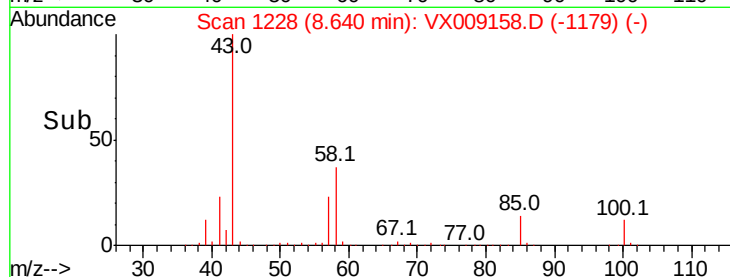
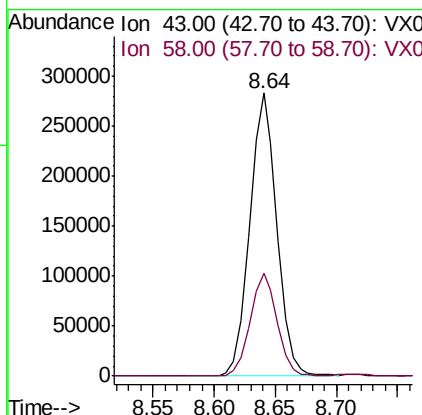
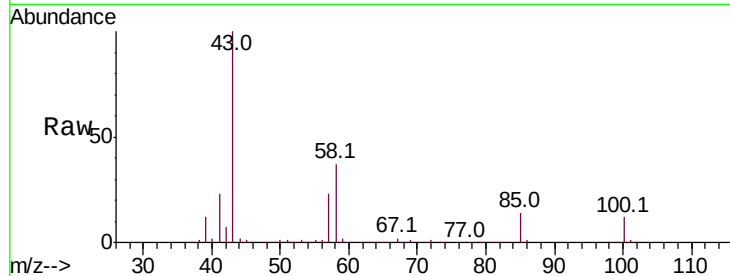
#51
4-Methyl-2-Pentanone
Concen: 101.698 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009158.D
Acq: 25 Apr 2019 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0425WBS01

Tot Ion	43	58	Ratio	100	36.3	Resp	434636	Lower	Upper
43	100								
58		36.3						29.8	44.6

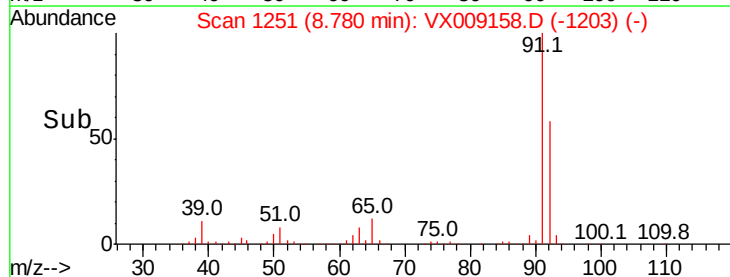
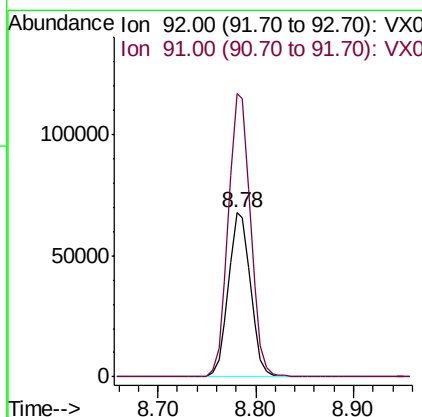
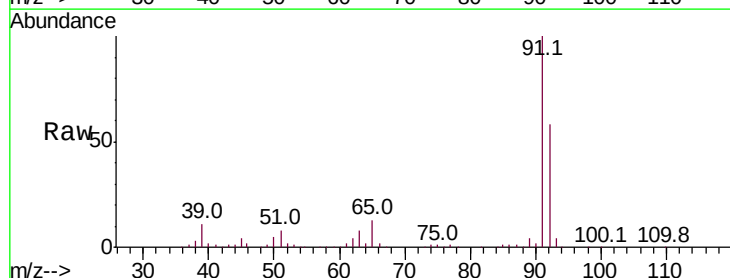
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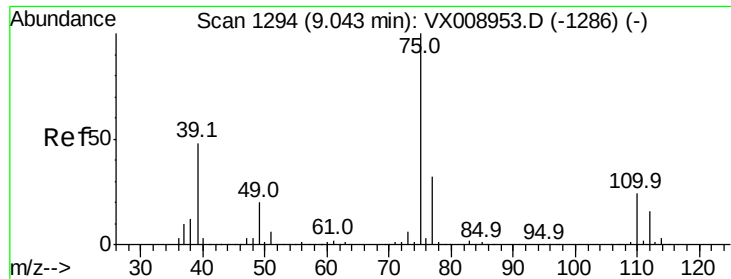
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#52
Toluene
Concen: 18.646 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX009158.D
Acq: 25 Apr 2019 13:35

Tgt Ion	92	91	Ratio	100	173.1	Resp	106650	Lower	Upper
92	100								
91		173.1						138.5	207.7





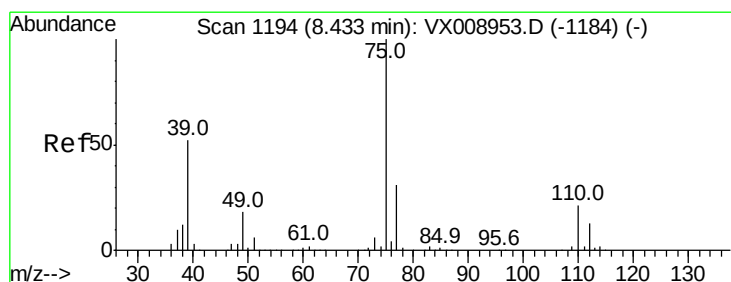
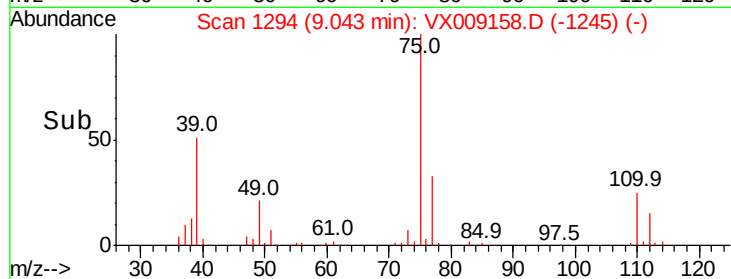
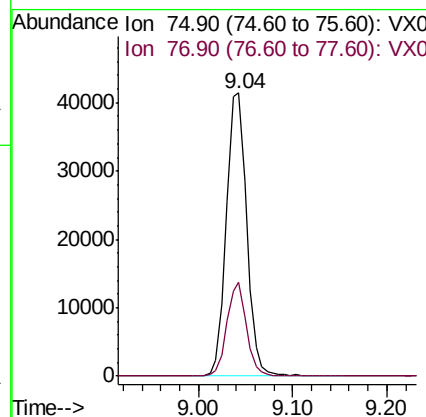
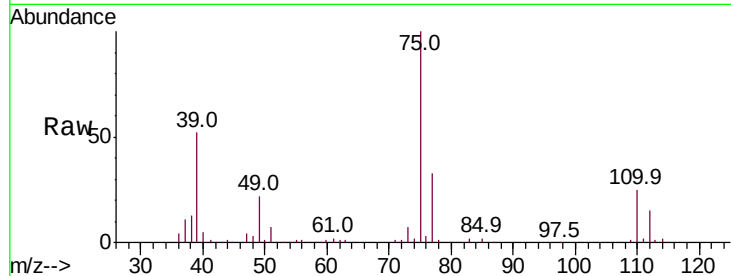
#53
 t-1,3-Dichloropropene
 Concen: 17.961 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX009158.D
 Acq: 25 Apr 2019 13:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0425WBS01

Tot Ion: 75 Resp: 62472
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.4 38.2

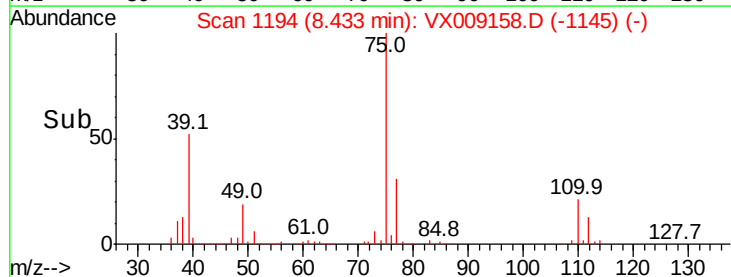
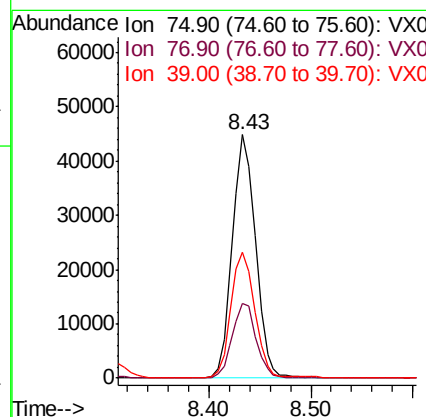
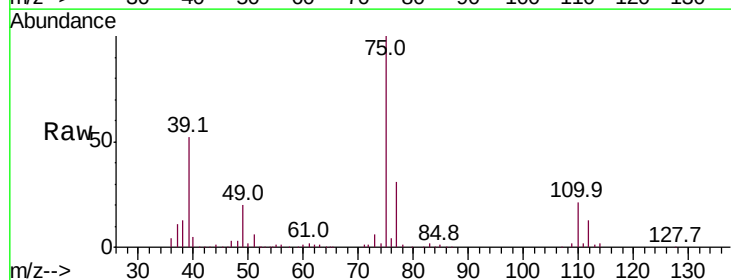
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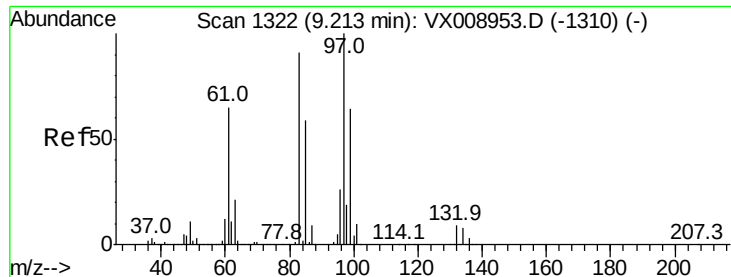
MMdadoda
 4/26/2019 10:05:14 AM



#54
 cis-1,3-Dichloropropene
 Concen: 18.196 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009158.D
 Acq: 25 Apr 2019 13:35

Tgt Ion: 75 Resp: 70866
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.8 37.2
 39 51.6 41.8 62.6





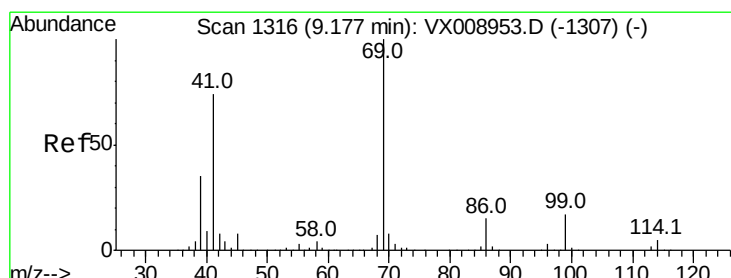
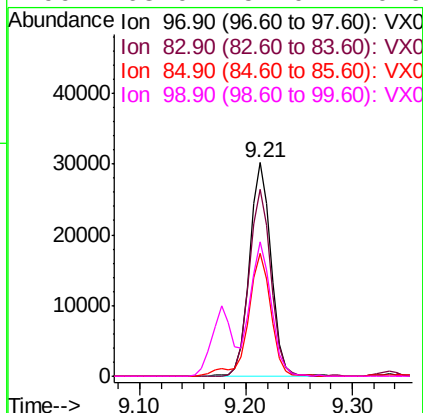
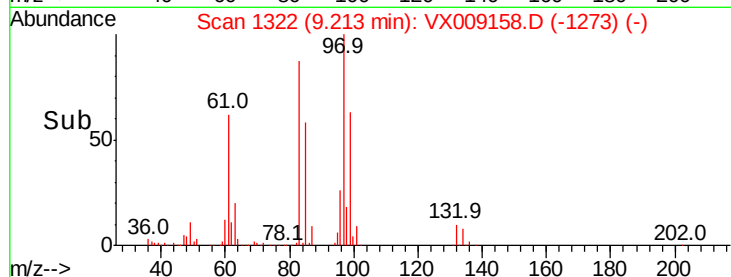
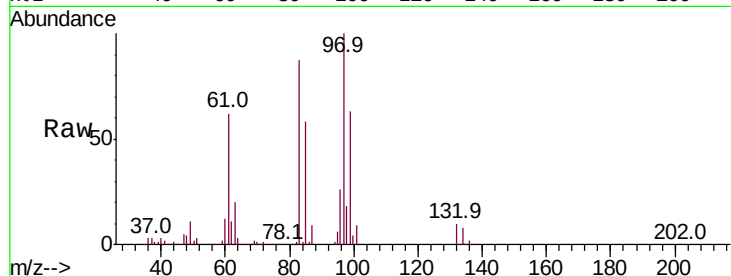
#55
 1,1,2-Trichloroethane
 Concen: 19.011 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009158.D
 Acq: 25 Apr 2019 13:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0425WBS01

Tot Ion:	97	Resp:	43096
Ion	Ratio	Lower	Upper
97	100		
83	87.5	72.6	108.8
85	57.8	46.9	70.3
99	63.0	51.0	76.6

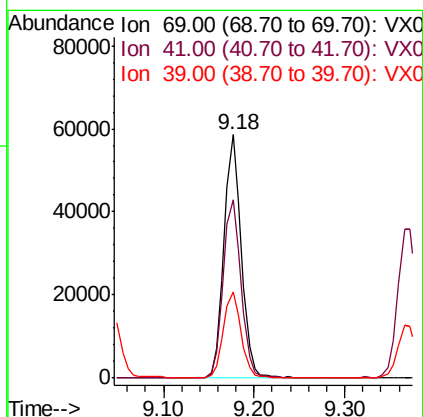
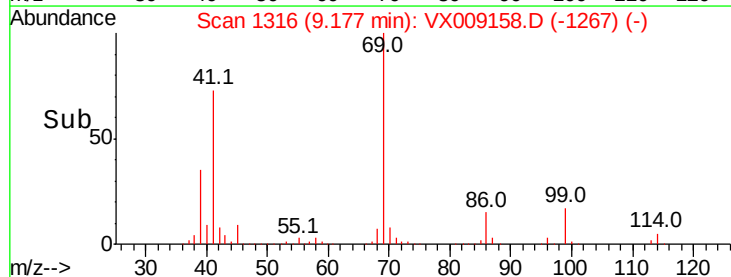
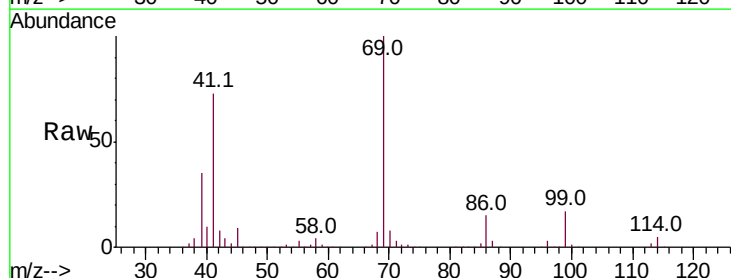
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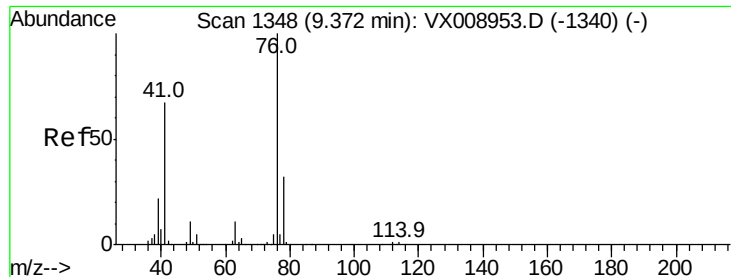
MMdadoda
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#56
 Ethyl methacrylate
 Concen: 19.316 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009158.D
 Acq: 25 Apr 2019 13:35

Tgt Ion:	69	Resp:	78513
Ion	Ratio	Lower	Upper
69	100		
41	74.9	60.2	90.2
39	36.7	27.9	41.9





#57

1,3-Dichloropropane

Concen: 18.980 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009158.D

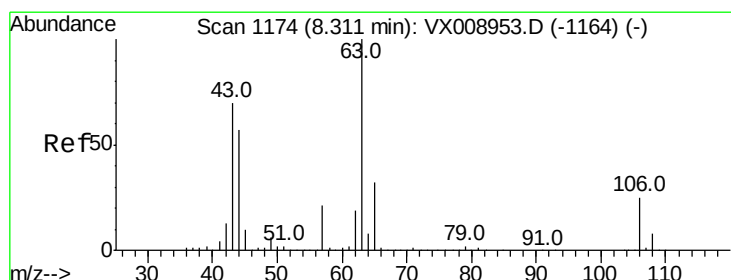
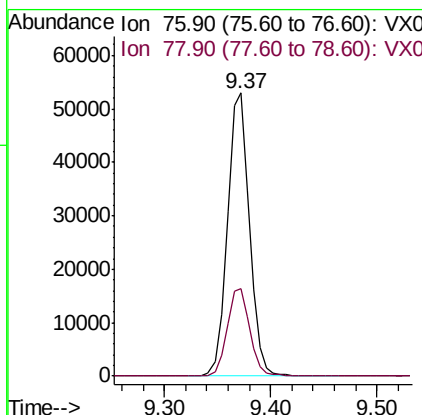
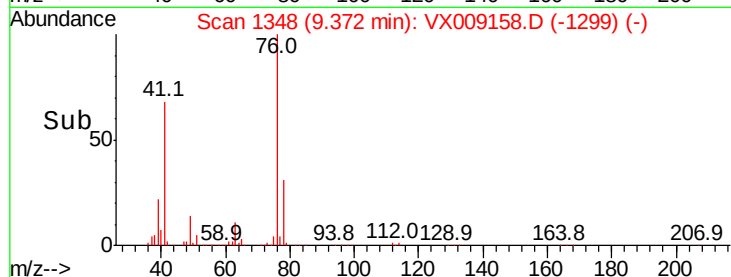
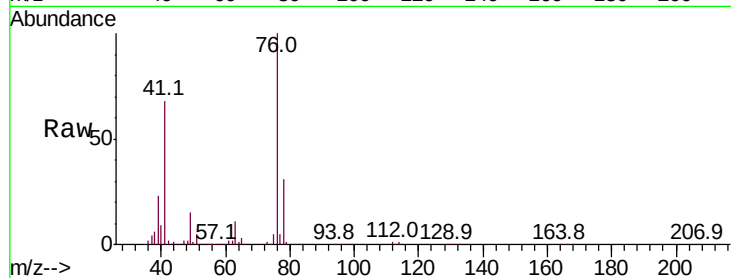
Acq: 25 Apr 2019 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0425WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.7	38.5

Manual Integrations
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4/26/2019 10:05:14 AM



#58

2-Chloroethyl Vinyl ether

Concen: 91.317 ug/l

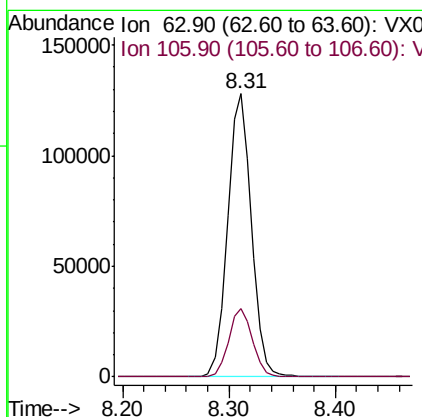
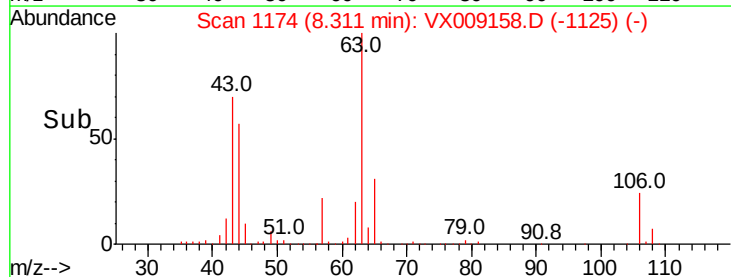
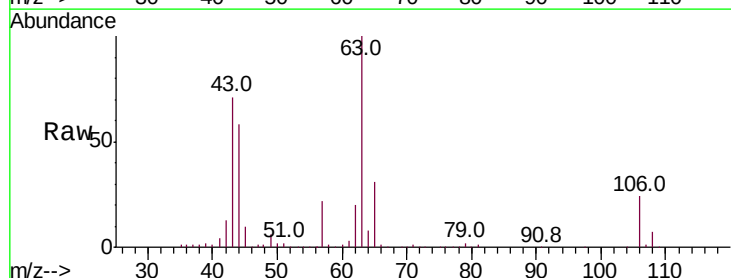
RT: 8.31 min Scan# 1174

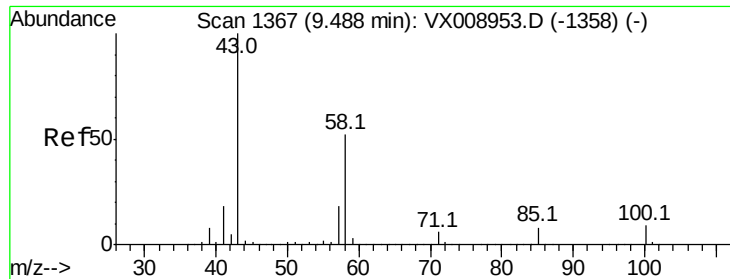
Delta R.T. -0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.3	19.8	29.6





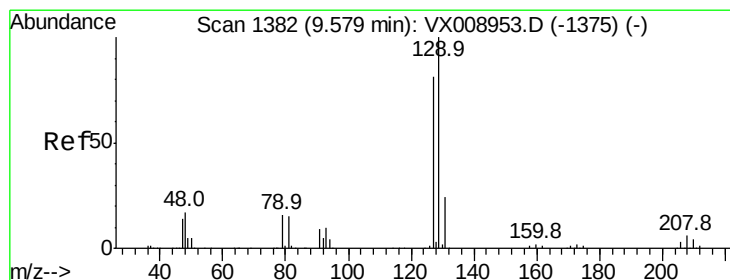
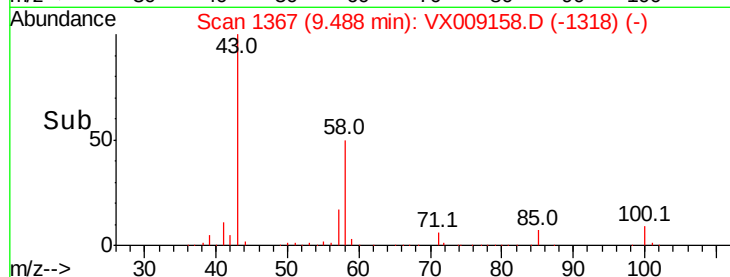
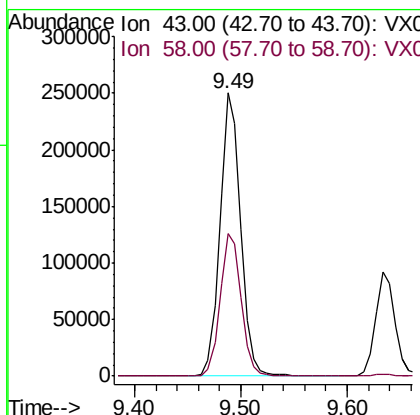
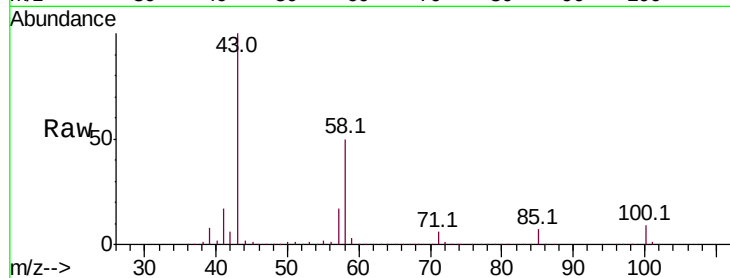
#59
2-Hexanone
Concen: 102.284 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009158.D
Acq: 25 Apr 2019 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0425WBS01

Tot Ion: 43 Resp: 337026
Ion Ratio Lower Upper
43 100
58 51.6 25.9 77.8

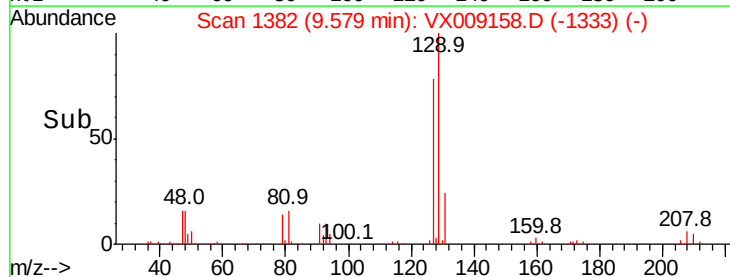
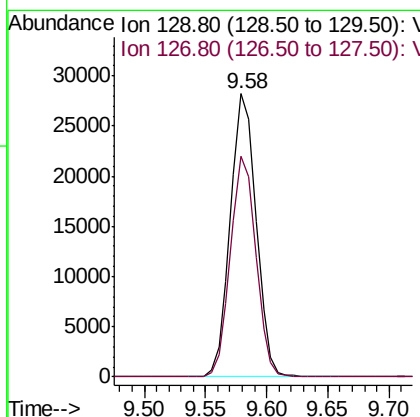
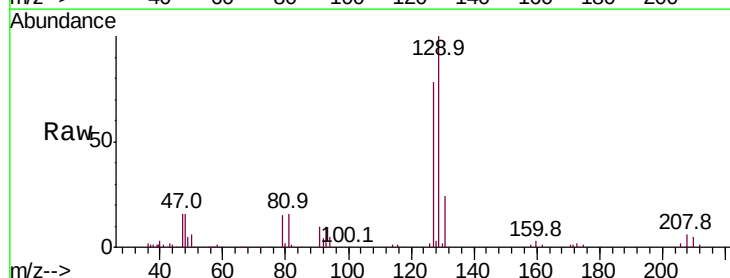
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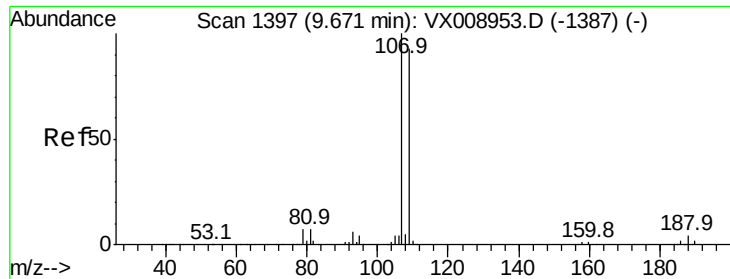
MMdadoda
4/26/2019 10:05:14 AM



#60
Dibromochloromethane
Concen: 18.891 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009158.D
Acq: 25 Apr 2019 13:35

Tgt Ion: 129 Resp: 41043
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 18.631 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX0425WBS01

Tot Ion:107 Resp: 43591

Ion Ratio Lower Upper

107 100

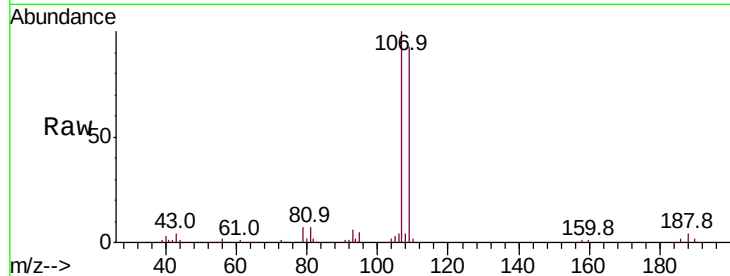
109 93.3 74.4 111.6

Manual Integrations

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MMdadoda

4/26/2019 10:05:14 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

30000

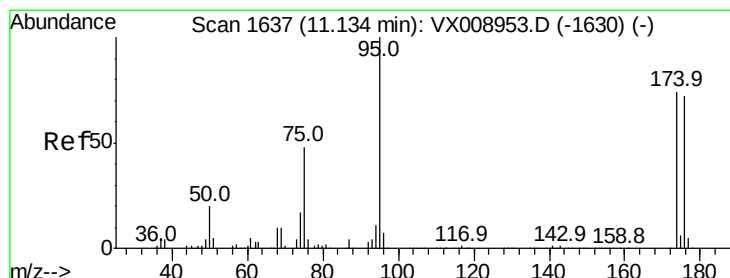
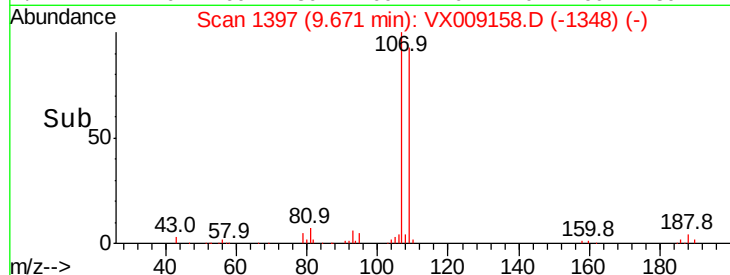
20000

10000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 47.429 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

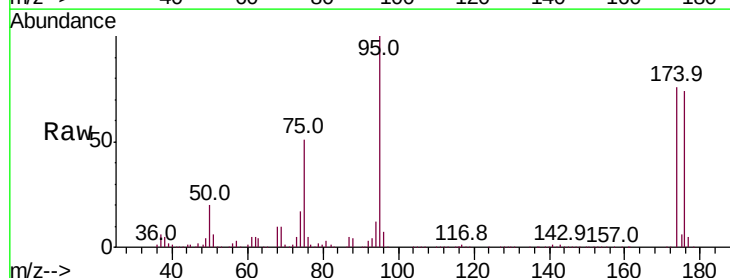
Tgt Ion: 95 Resp: 134042

Ion Ratio Lower Upper

95 100

174 80.5 0.0 159.6

176 77.7 0.0 154.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

150000

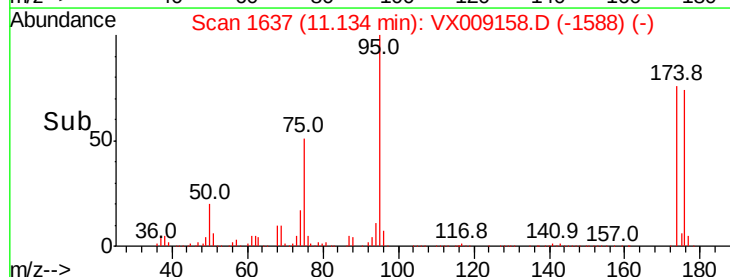
100000

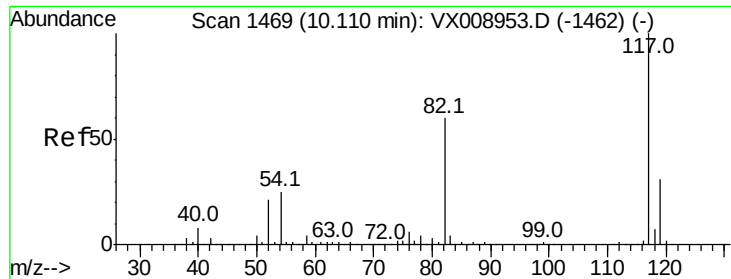
50000

0

Time-->

11.05 11.10 11.15 11.20





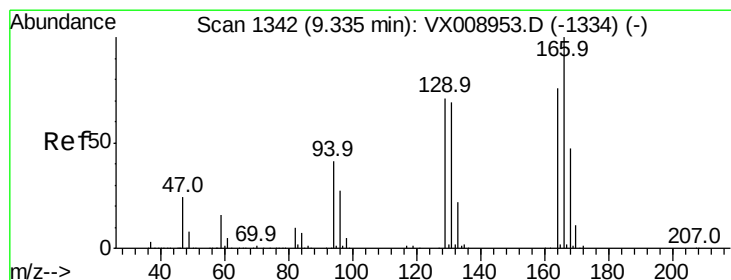
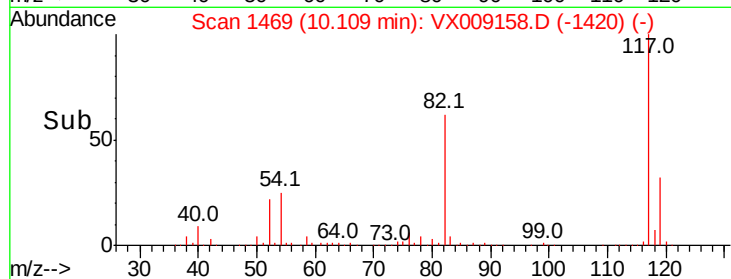
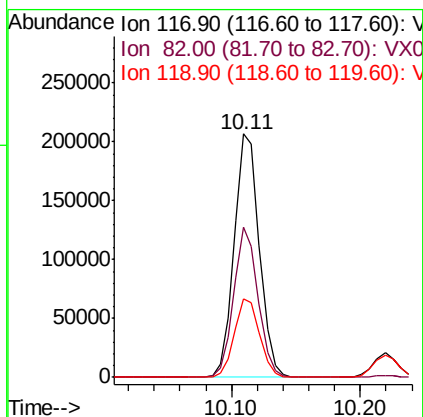
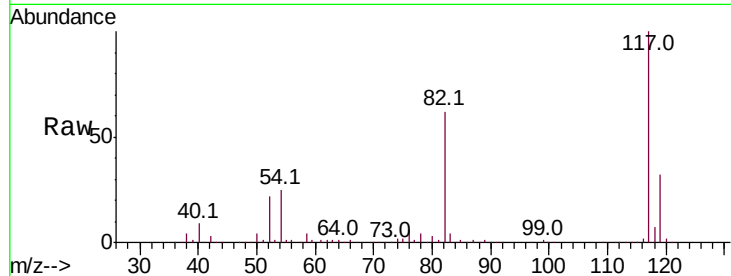
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009158.D
Acq: 25 Apr 2019 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0425WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.8	48.2	72.4
119	32.0	25.0	37.6

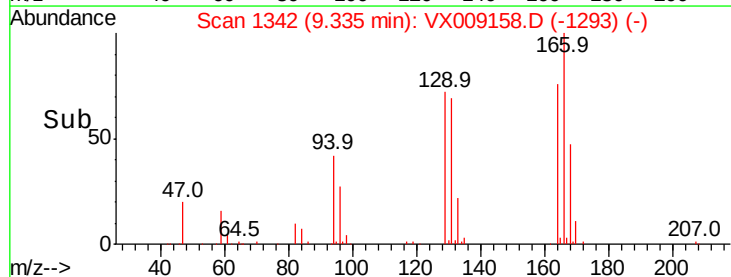
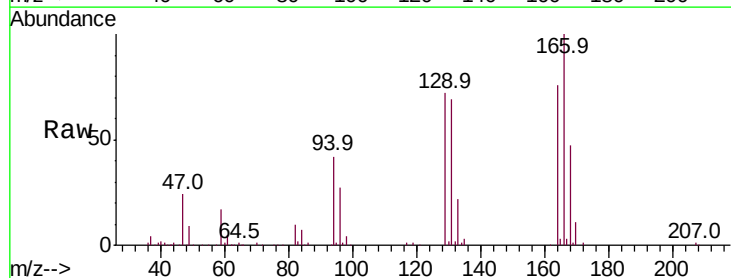
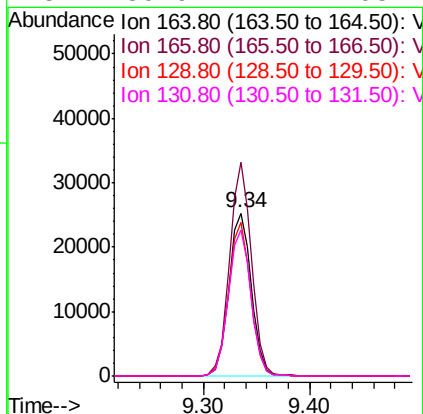
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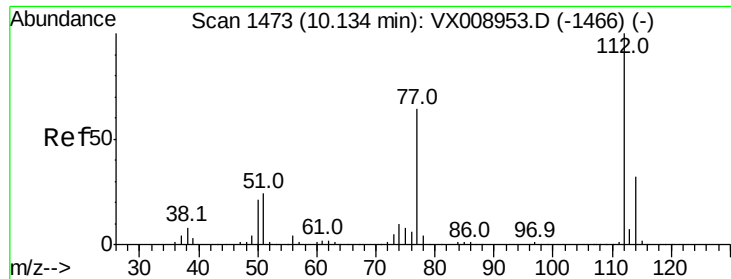
MMDadoda
4/26/2019 10:05:14 AM



#64
Tetrachloroethene
Concen: 17.540 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009158.D
Acq: 25 Apr 2019 13:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.0	105.0	157.4
129	94.6	74.2	111.4
131	89.9	72.2	108.2





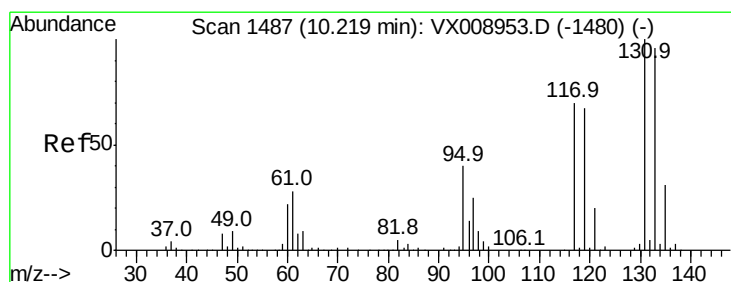
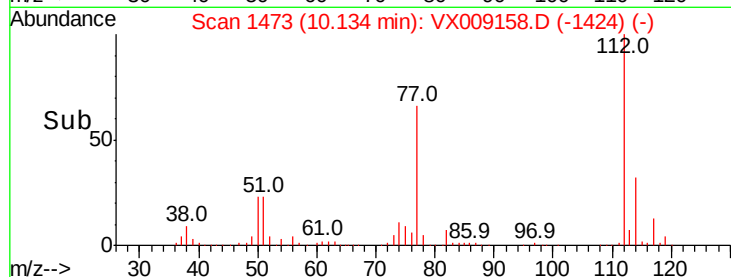
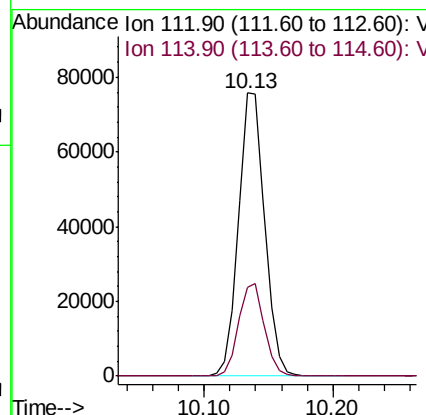
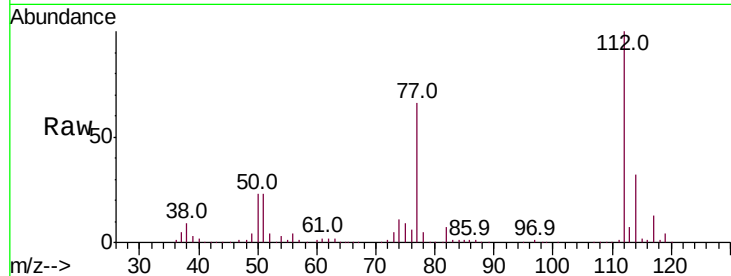
#65
Chlorobenzene
Concen: 18.172 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009158.D
Acq: 25 Apr 2019 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0425WBS01

Tot Ion:112 Resp: 107744
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.0

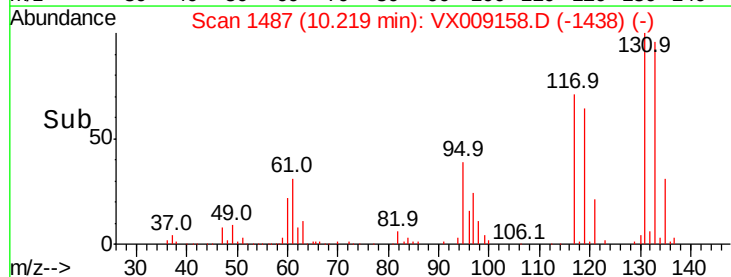
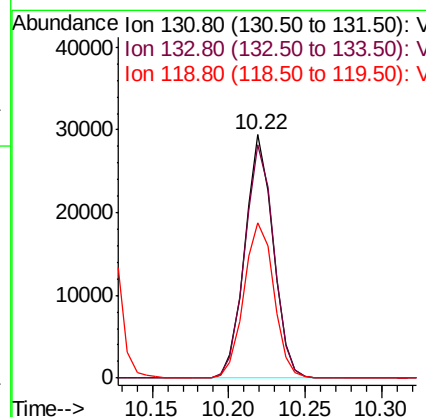
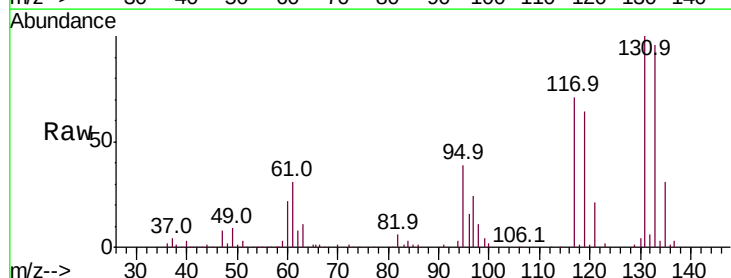
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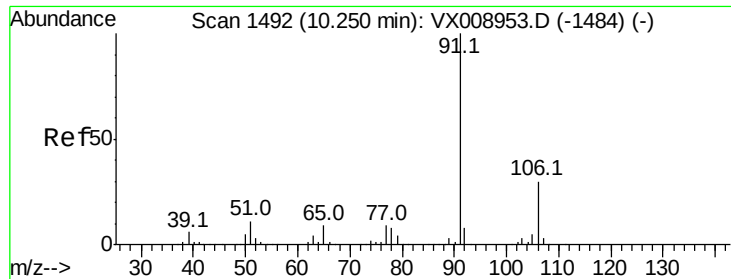
MMdadoda
4/26/2019 10:05:14 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.070 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009158.D
Acq: 25 Apr 2019 13:35

Tgt Ion:131 Resp: 37743
Ion Ratio Lower Upper
131 100
133 98.6 48.0 144.2
119 67.9 33.7 101.1





#67

Ethyl Benzene

Concen: 18.440 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Instrument :

MSVOA_X

ClientSampled :

VX0425WBS01

Tot Ion: 91 Resp: 199861

Ion Ratio Lower Upper

91 100

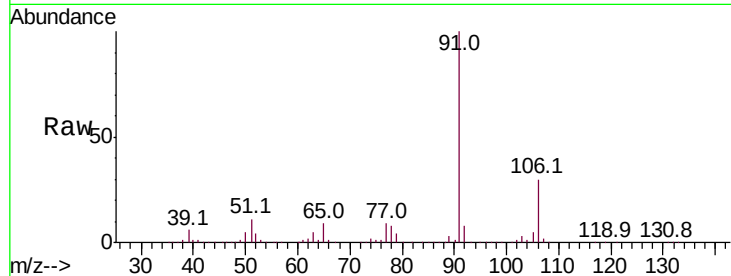
106 30.3 24.3 36.5

Manual Integrations

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4/26/2019 10:05:14 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

250000

200000

150000

100000

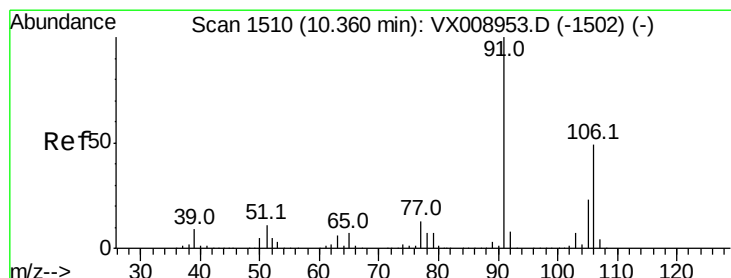
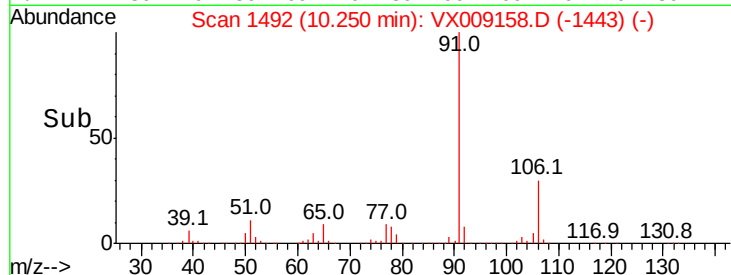
50000

0

10.20

10.30

Time-->



#68

m/p-Xylenes

Concen: 36.982 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009158.D

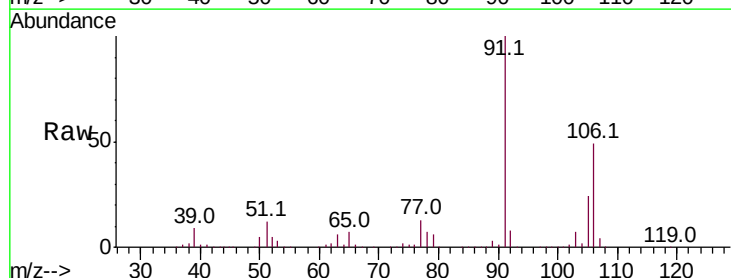
Acq: 25 Apr 2019 13:35

Tgt Ion:106 Resp: 145673

Ion Ratio Lower Upper

106 100

91 207.6 165.4 248.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

150000

100000

50000

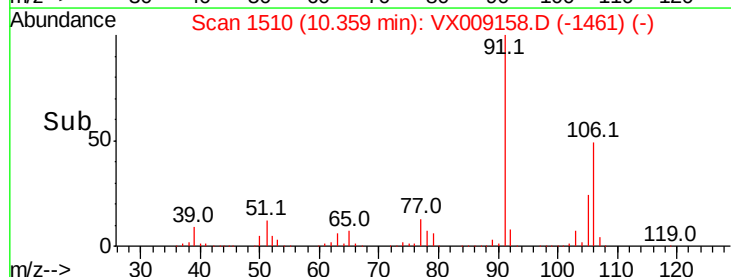
0

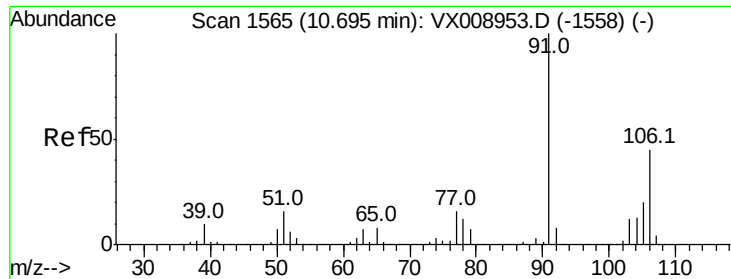
10.30

10.35

10.40

Time-->





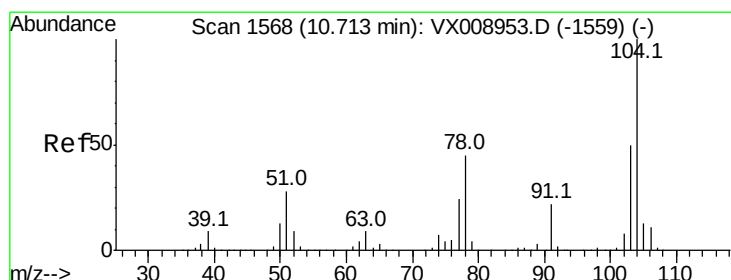
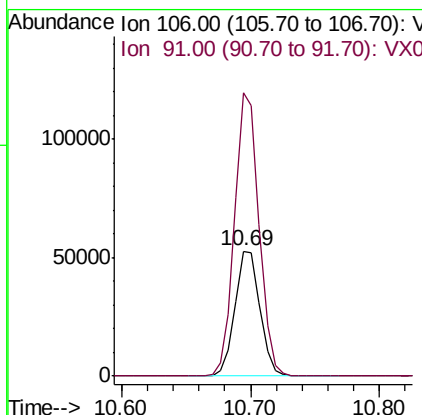
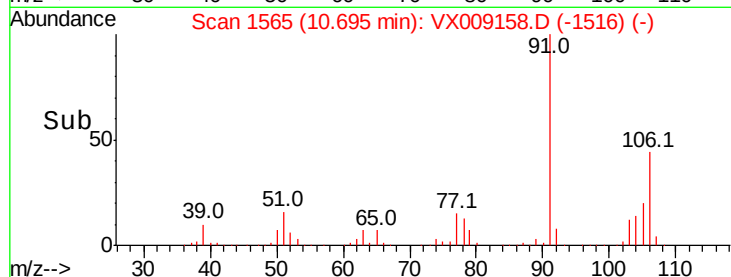
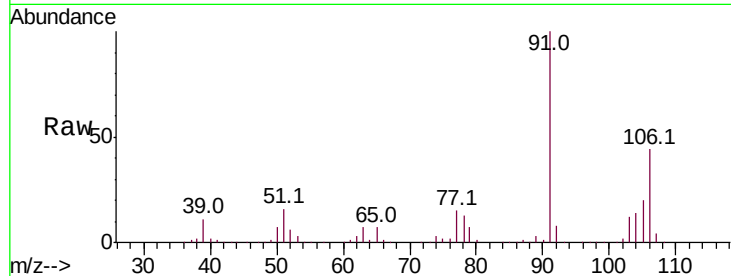
#69
o-Xylene
Concen: 18.658 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009158.D
Acq: 25 Apr 2019 13:35

Instrument :
MSVOA_X
ClientSampled :
VX0425WBS01

Tot Ion:106 Resp: 71510
Ion Ratio Lower Upper
106 100
91 221.6 108.9 326.7

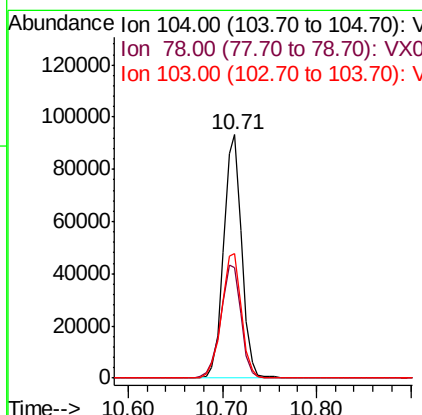
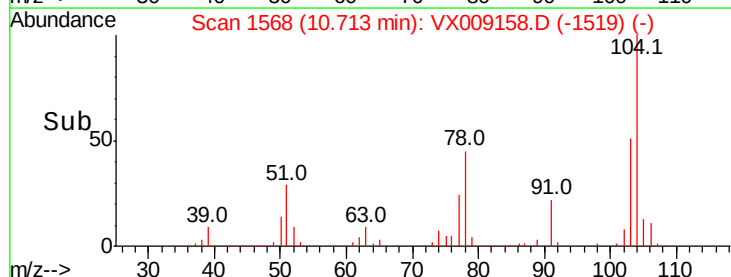
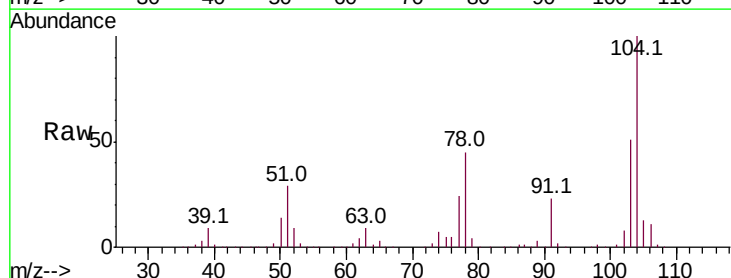
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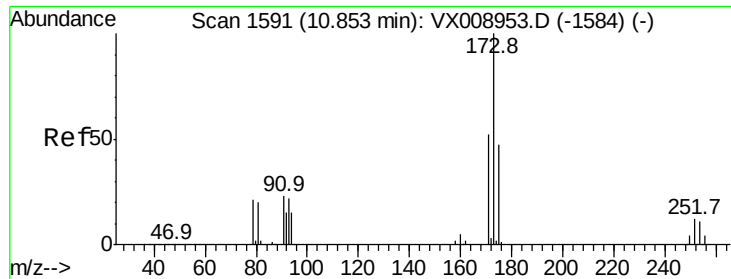
MMDadoda
4/26/2019 10:05:14 AM



#70
Styrene
Concen: 18.573 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009158.D
Acq: 25 Apr 2019 13:35

Tgt Ion:104 Resp: 123357
Ion Ratio Lower Upper
104 100
78 52.4 41.2 61.8
103 55.9 43.9 65.9





#71

Bromoform

Concen: 18.008 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX0425WBS01

Tot Ion:173 Resp: 29967

Ion Ratio Lower Upper

173 100

175 49.3 23.9 71.8

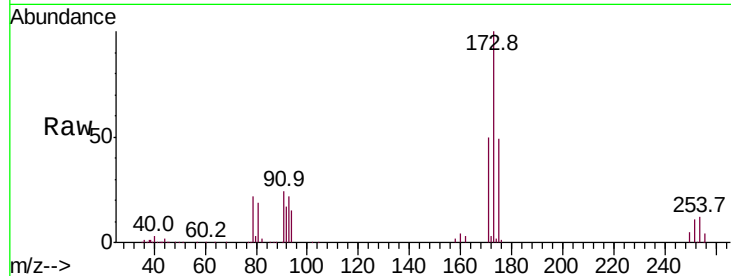
254 0.1 0.2 0.4#

Manual Integrations

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MMdadoda

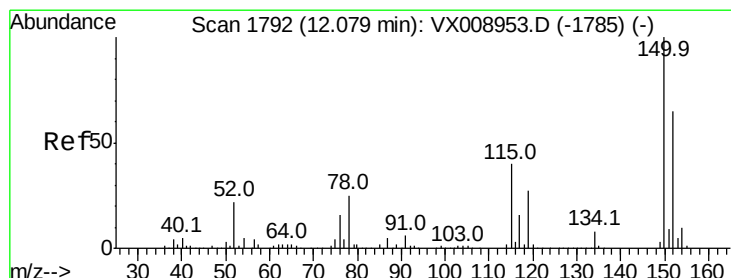
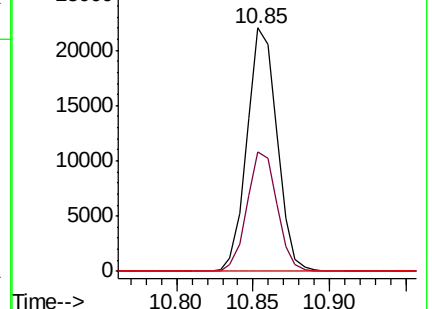
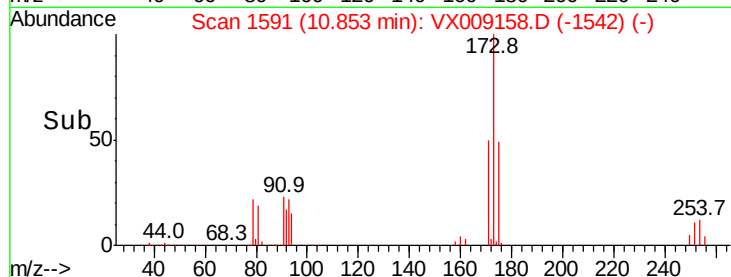
4/26/2019 10:05:14 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

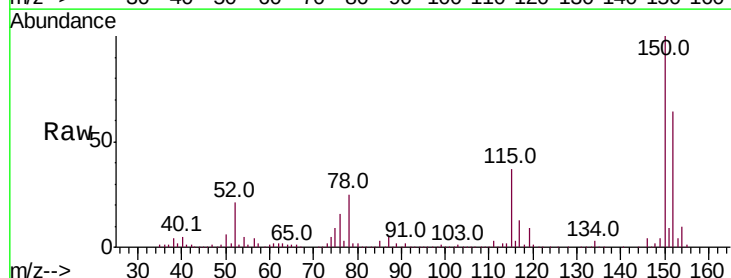
Tgt Ion:152 Resp: 133184

Ion Ratio Lower Upper

152 100

115 68.6 41.4 124.2

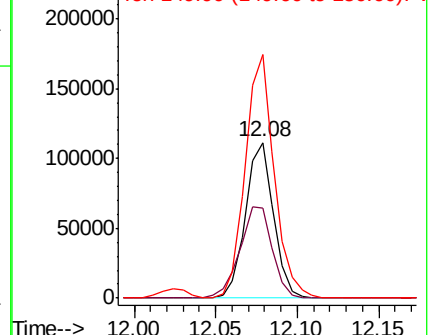
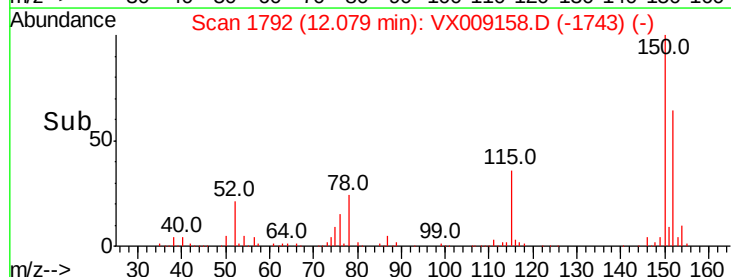
150 162.3 0.0 349.8

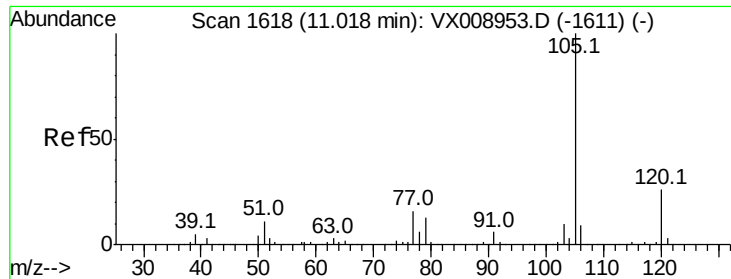


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.977 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX0425WBS01

Tot Ion:105 Resp: 191575

Ion Ratio Lower Upper

105 100

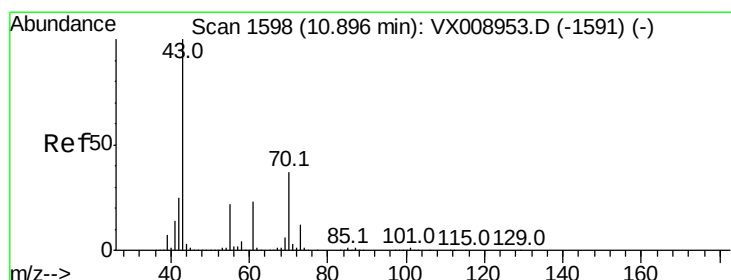
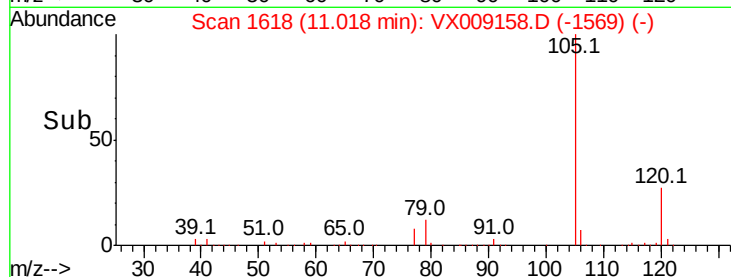
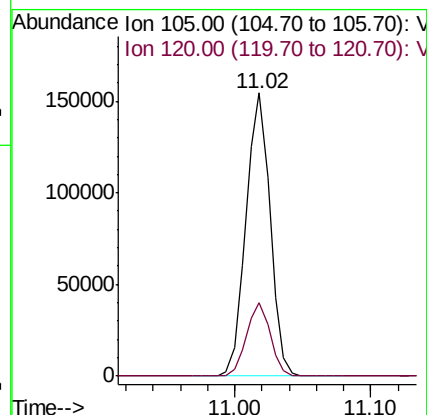
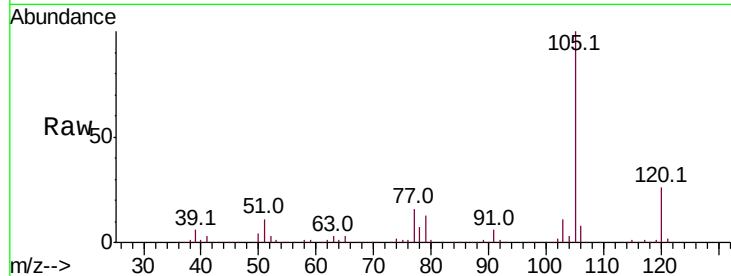
120 25.5 12.9 38.7

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#74

N-ethyl acetate

Concen: 19.572 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Tgt Ion: 43 Resp: 113446

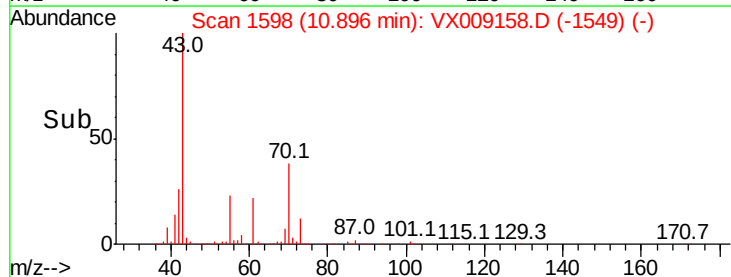
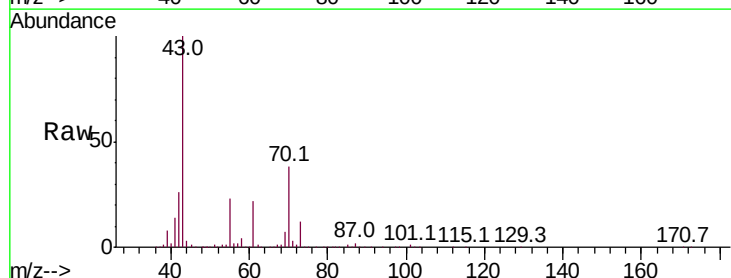
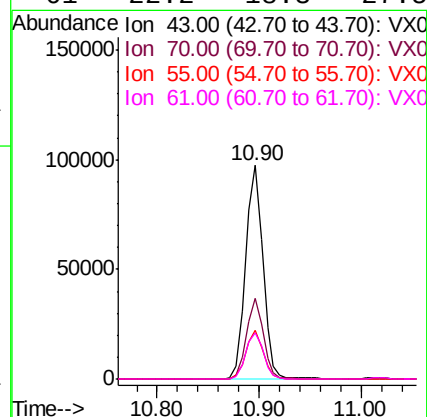
Ion Ratio Lower Upper

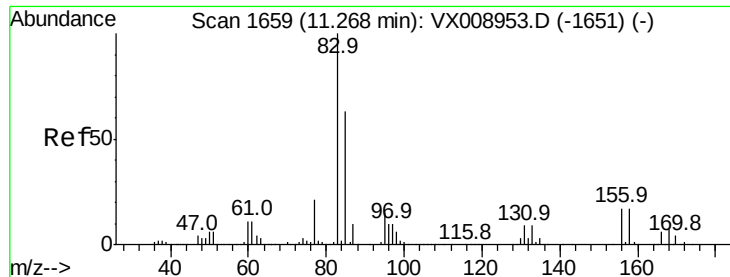
43 100

70 36.9 29.9 44.9

55 23.1 17.8 26.8

61 22.2 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.692 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Instrument :

MSVOA_X

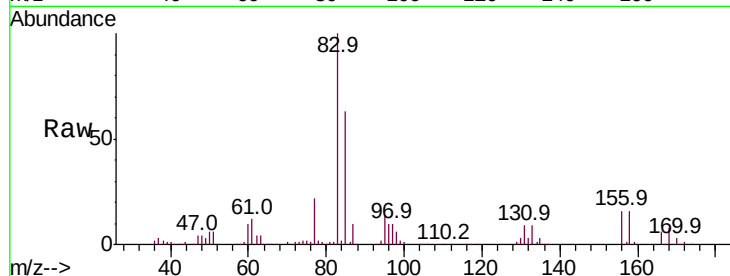
ClientSampleId :

VX0425WBS01

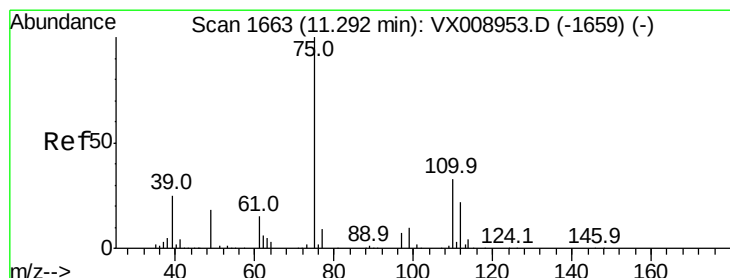
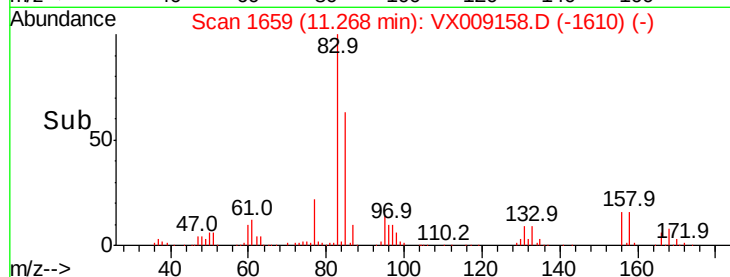
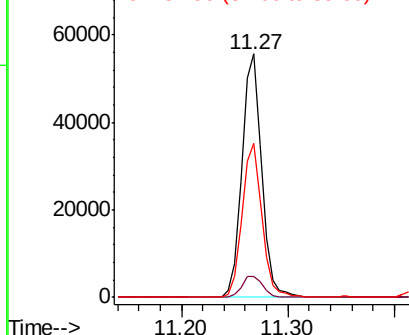
Tot Ion:	83	Resp:	72635
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.7	14.0
85	63.6	31.9	95.9

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.121 ug/l m

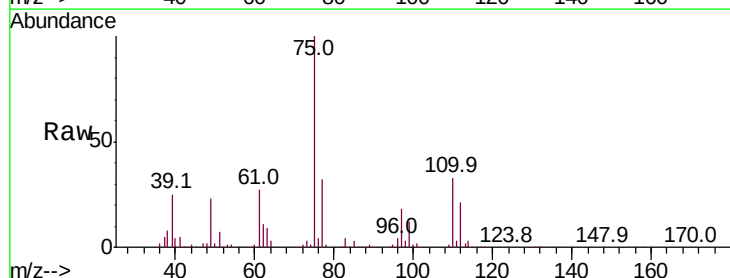
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

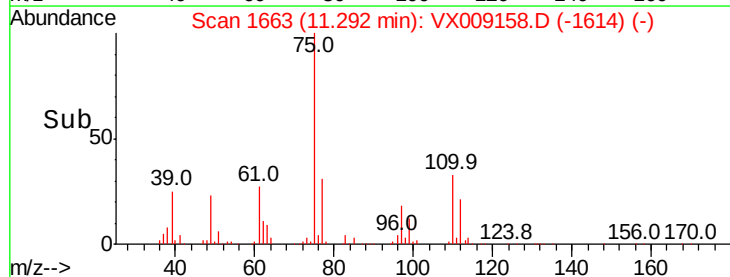
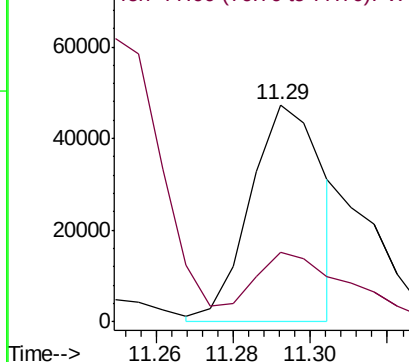
Lab File: VX009158.D

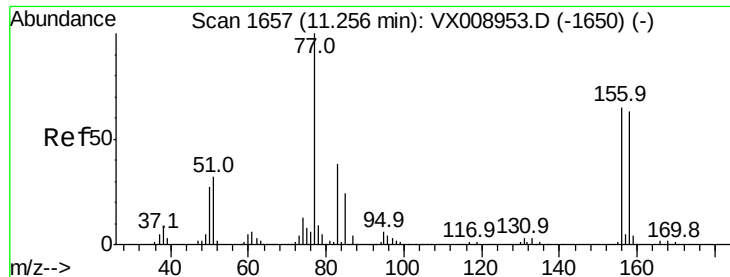
Acq: 25 Apr 2019 13:35

Tgt Ion:	75	Resp:	62184
Ion Ratio	Lower	Upper	
75	100		
77	42.6	22.7	68.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 17.897 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX0425WBS01

Tot Ion:156 Resp: 45586

Ion Ratio Lower Upper

156 100

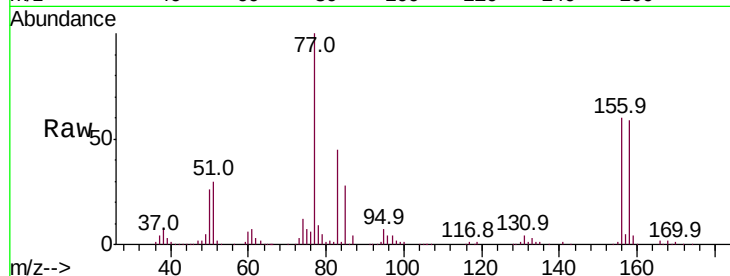
77 176.9 85.4 256.1

158 99.0 48.8 146.4

Manual Integrations
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MMdadoda

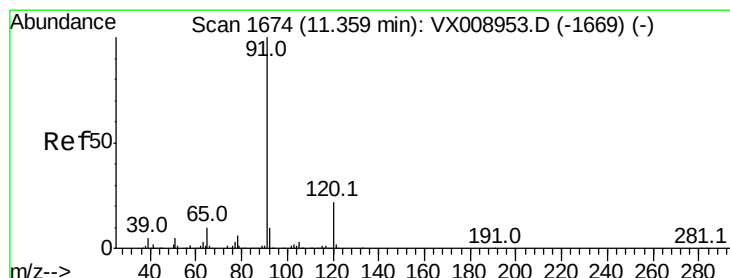
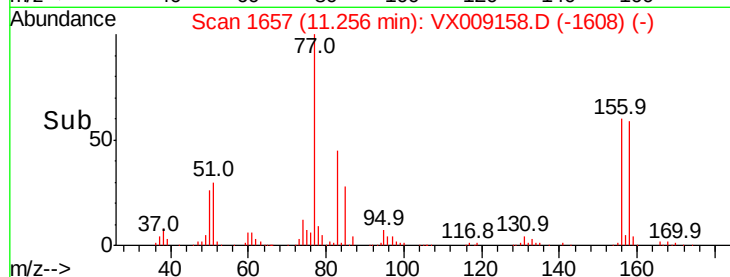
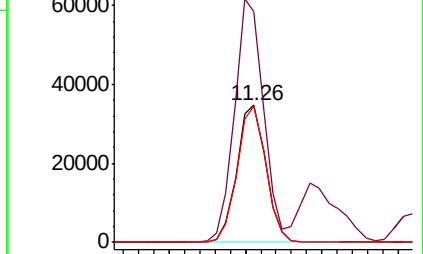
4/26/2019 10:05:14 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.860 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009158.D

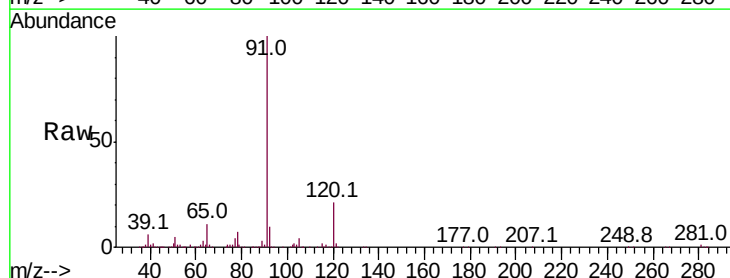
Acq: 25 Apr 2019 13:35

Tgt Ion: 91 Resp: 218527

Ion Ratio Lower Upper

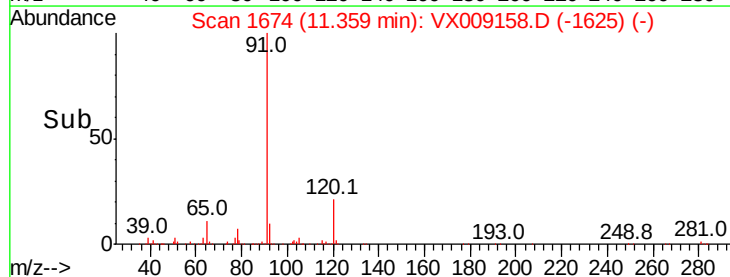
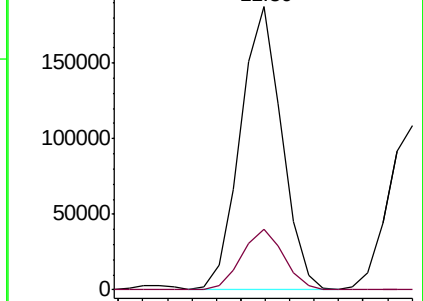
91 100

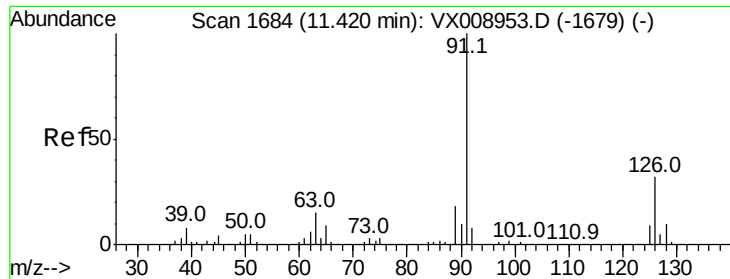
120 21.8 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.013 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX0425WBS01

Tot Ion: 91 Resp: 132754

Ion Ratio Lower Upper

91 100

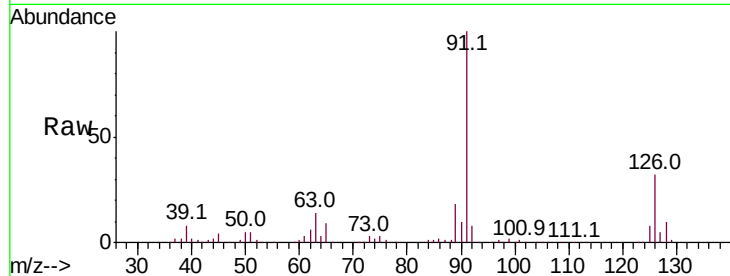
126 32.1 16.3 48.9

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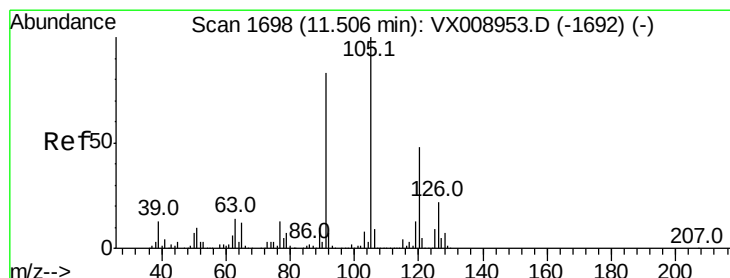
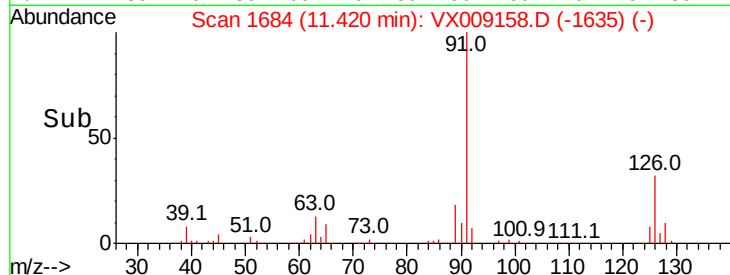
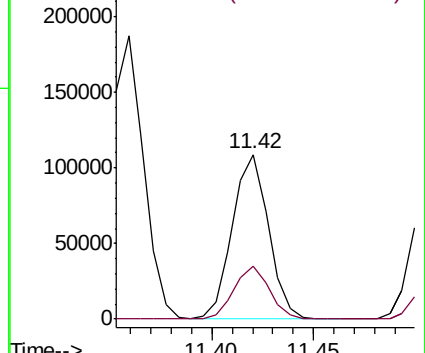
MMdadoda

4/26/2019 10:05:14 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.007 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009158.D

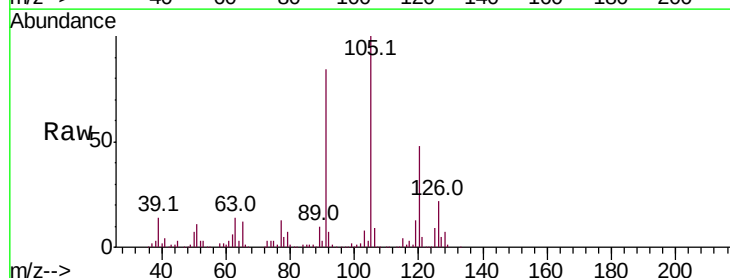
Acq: 25 Apr 2019 13:35

Tgt Ion:105 Resp: 161021

Ion Ratio Lower Upper

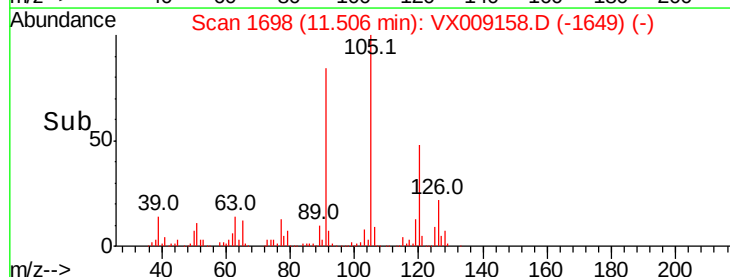
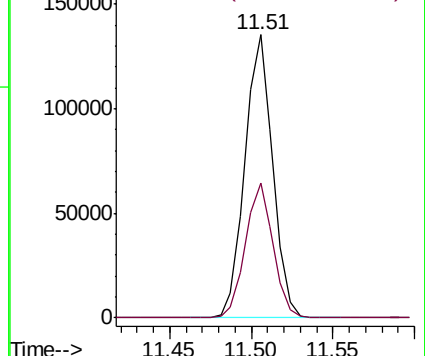
105 100

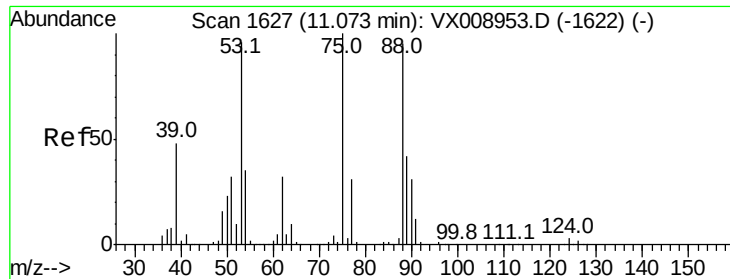
120 47.4 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





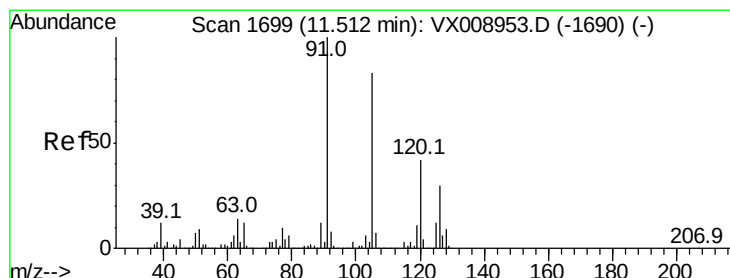
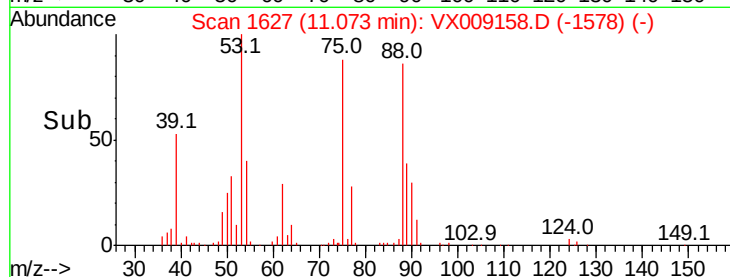
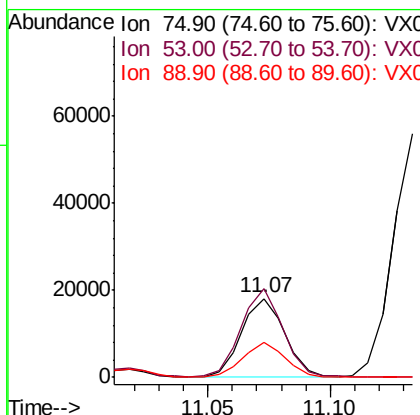
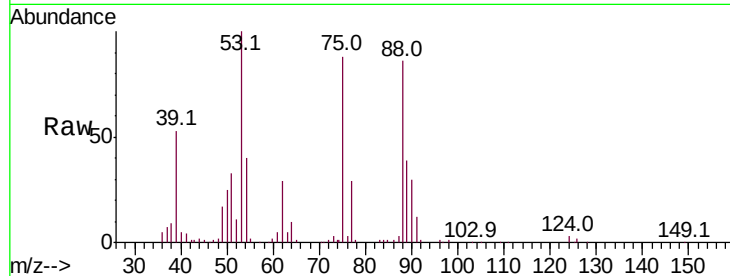
#81
trans-1,4-Dichloro-2-butene
Concen: 17.458 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009158.D
Acq: 25 Apr 2019 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0425WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.0	78.2	117.4
89	43.6	36.0	54.0

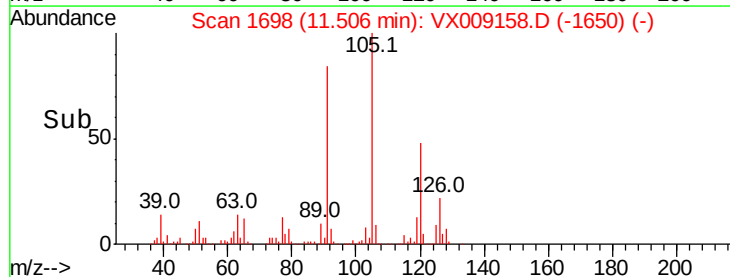
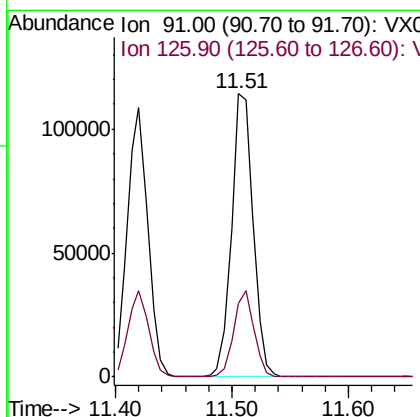
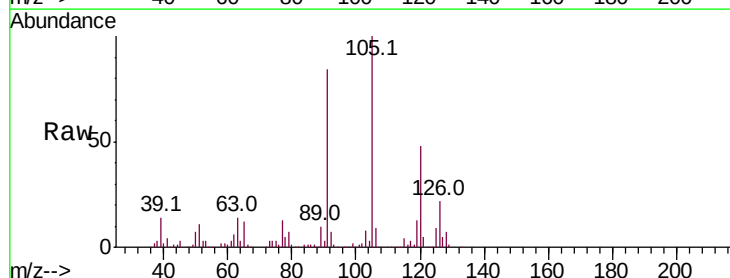
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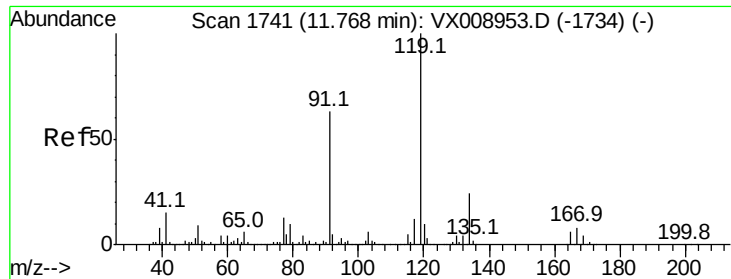
MMDadoda
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#82
4-Chlorotoluene
Concen: 18.317 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX009158.D
Acq: 25 Apr 2019 13:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.3	42.9





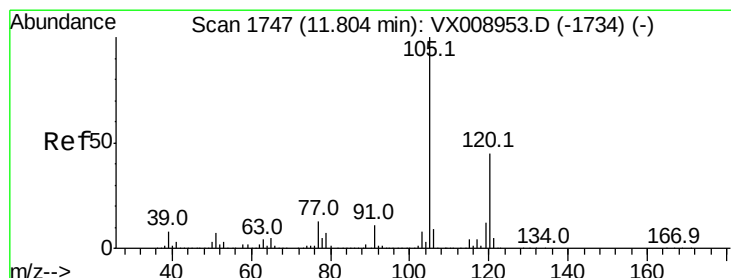
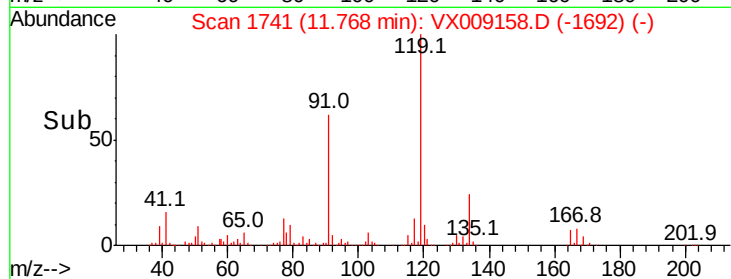
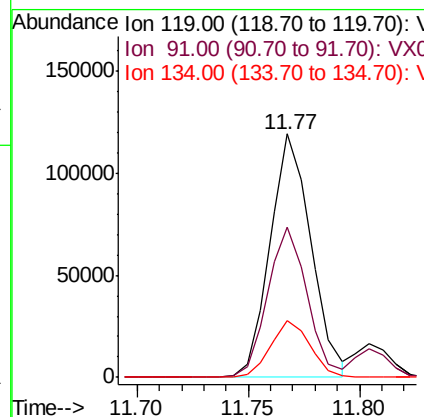
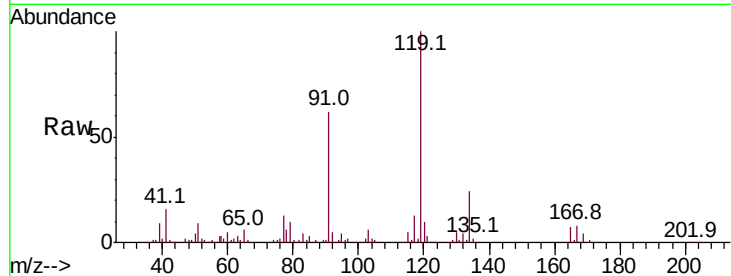
#83
 tert-Butylbenzene
 Concen: 18.751 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009158.D
 Acq: 25 Apr 2019 13:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0425WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	152509		
91	59.7	29.7	89.1	
134	22.6	11.2	33.5	

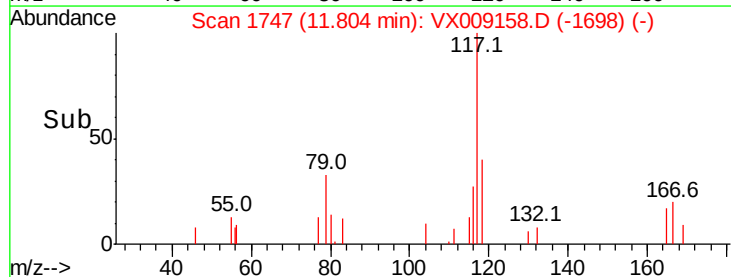
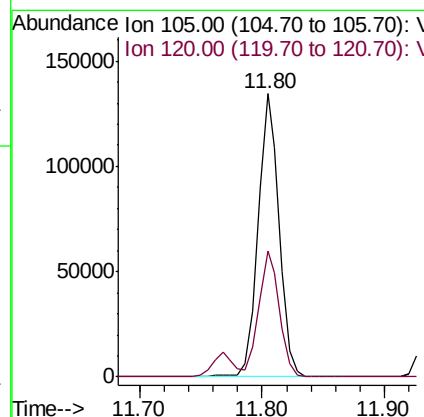
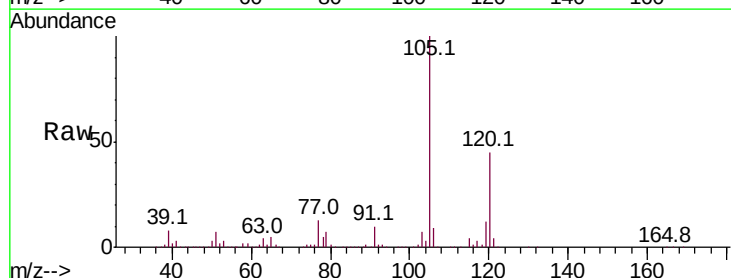
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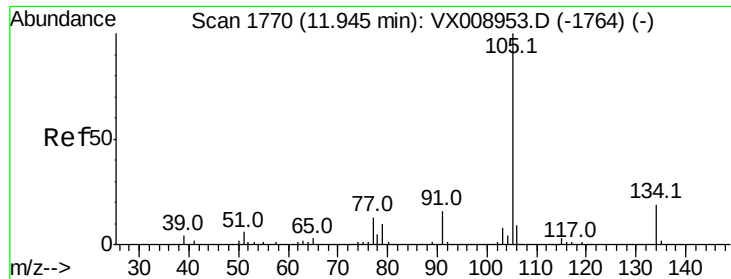
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 4/26/2019 10:05:14 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.727 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009158.D
 Acq: 25 Apr 2019 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	161486		
120	43.6	21.9	65.8	





#85

sec-Butylbenzene

Concen: 18.841 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX0425WS01

Tot Ion:105 Resp: 182762

Ion Ratio Lower Upper

105 100

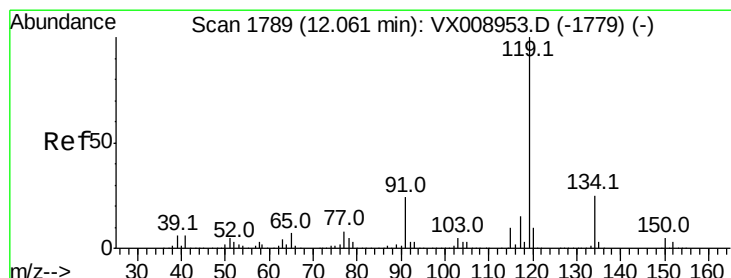
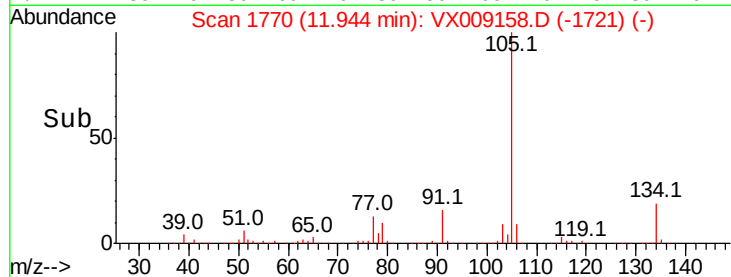
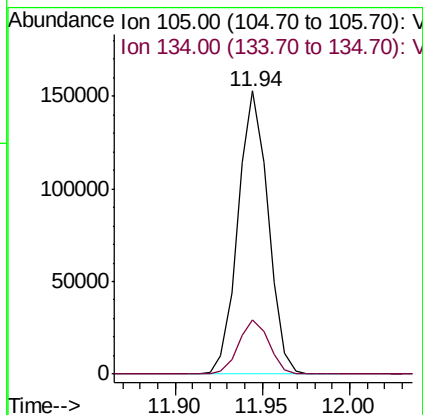
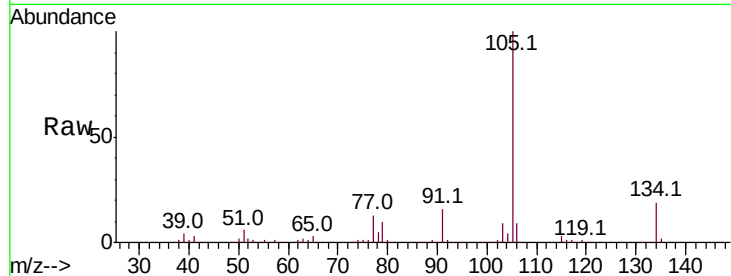
134 19.4 9.6 28.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.521 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

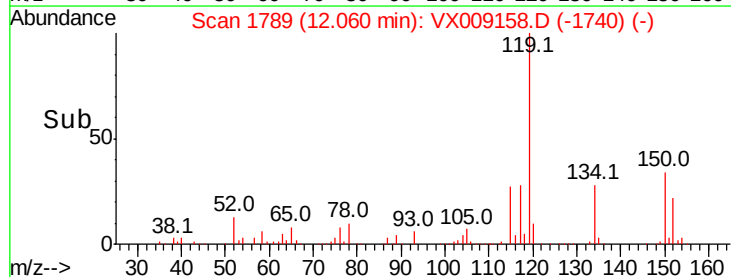
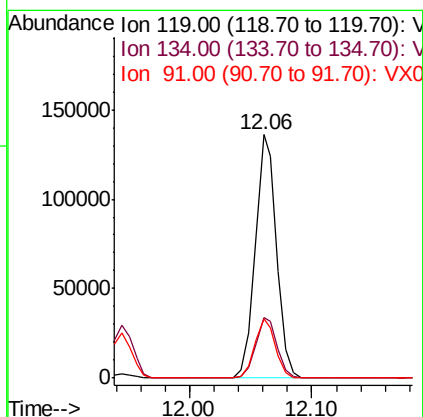
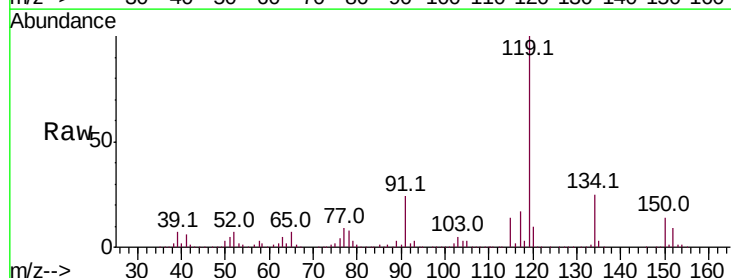
Tgt Ion:119 Resp: 165175

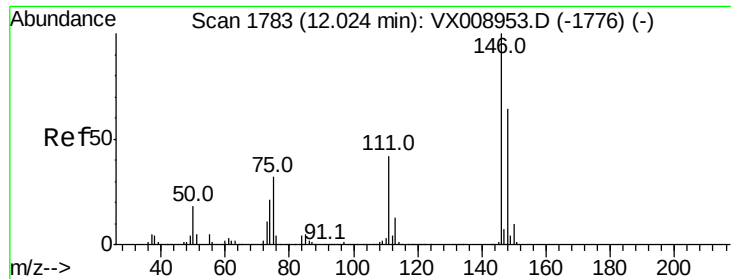
Ion Ratio Lower Upper

119 100

134 25.2 12.9 38.6

91 23.9 11.9 35.5





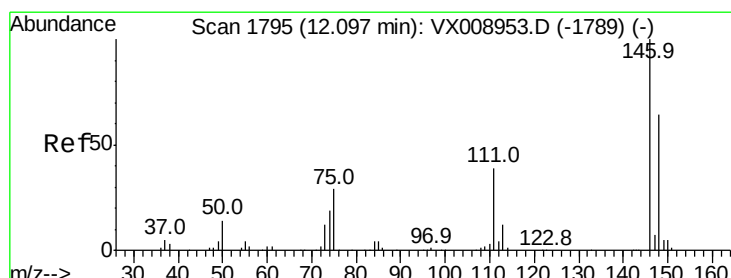
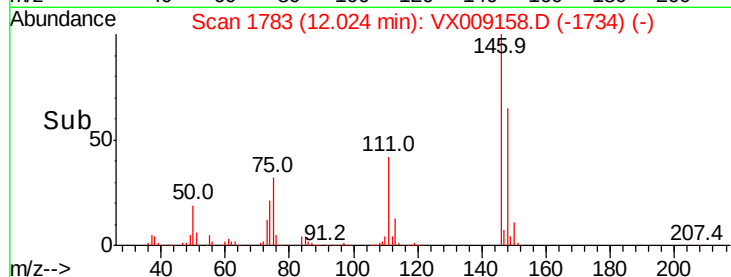
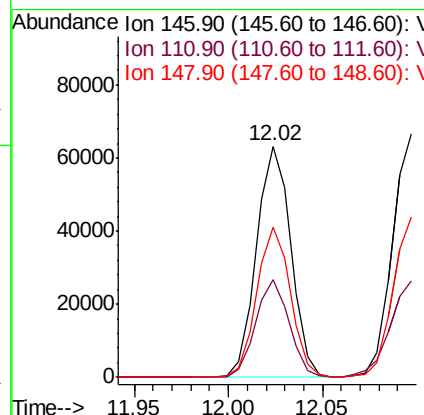
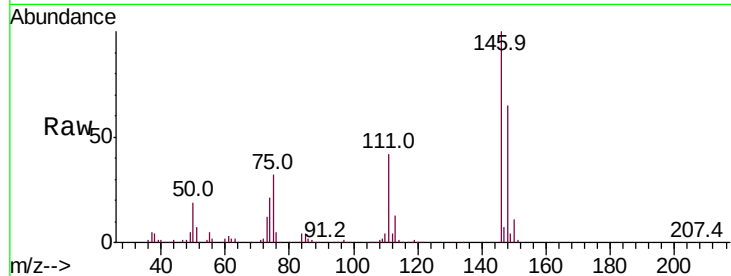
#87
 1,3-Dichlorobenzene
 Concen: 17.995 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009158.D
 Acq: 25 Apr 2019 13:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0425WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.5	61.6
148	63.7	32.2	96.6

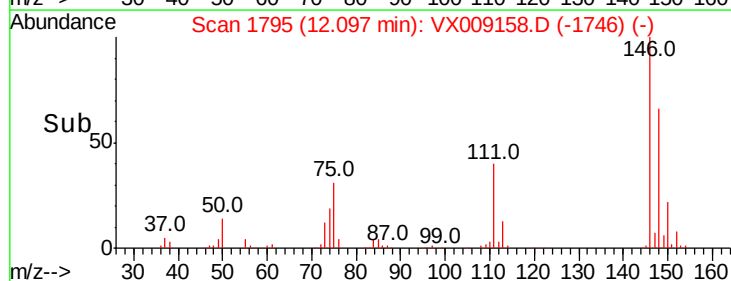
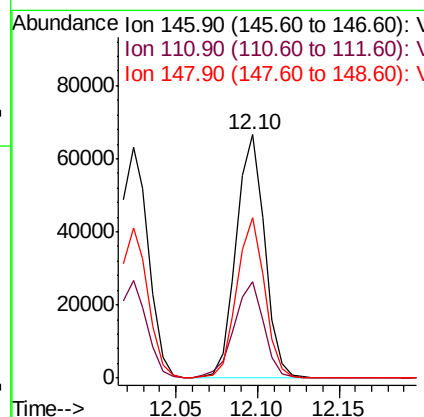
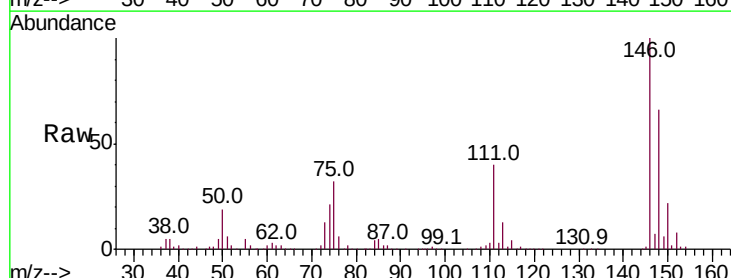
Manual Integrations
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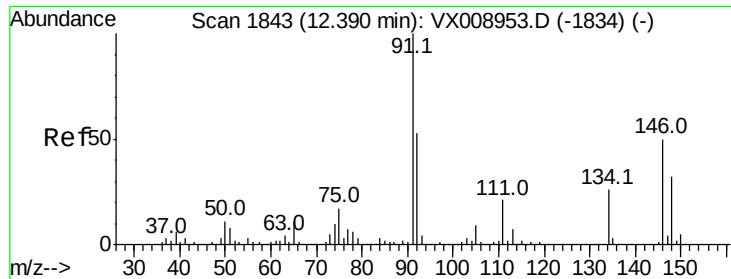
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 4/26/2019 10:05:14 AM



#88
 1,4-Dichlorobenzene
 Concen: 17.898 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009158.D
 Acq: 25 Apr 2019 13:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.0	59.9
148	64.5	32.2	96.6





#89

n-Butylbenzene

Concen: 17.667 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX0425WBS01

Tot Ion: 91 Resp: 146739

Ion Ratio Lower Upper

91 100

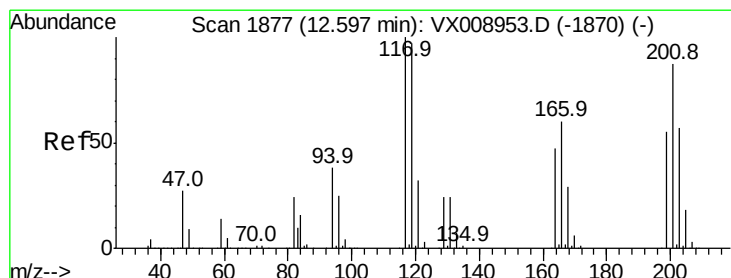
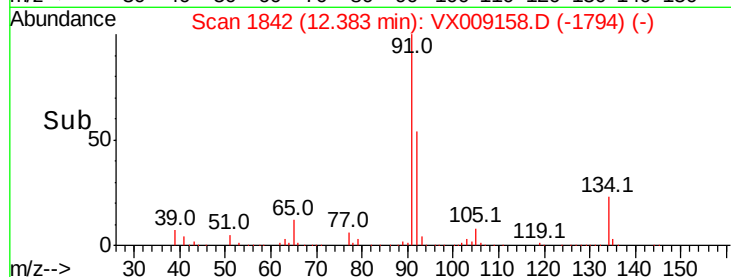
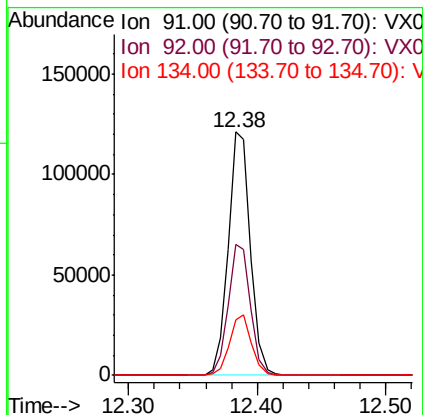
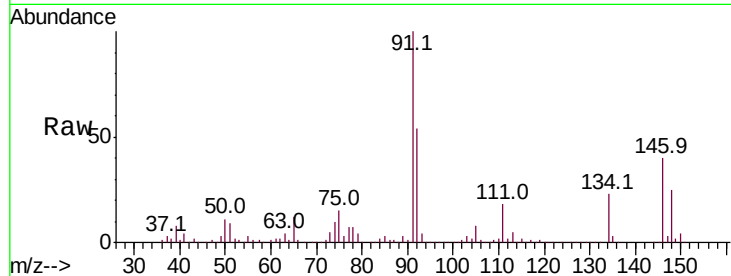
92 53.8 26.6 79.8

134 24.4 12.4 37.2

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#90

Hexachloroethane

Concen: 18.103 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX009158.D

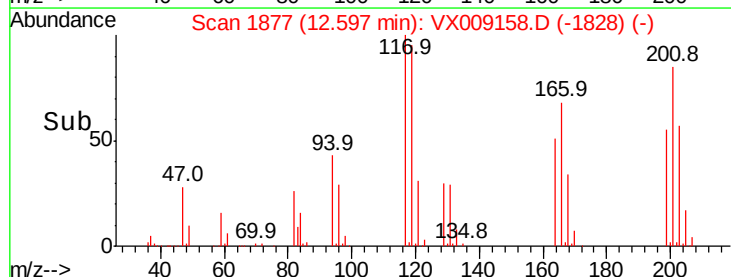
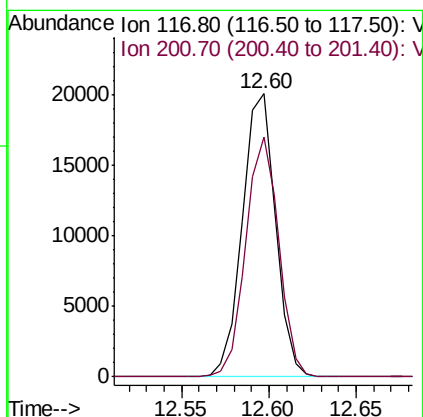
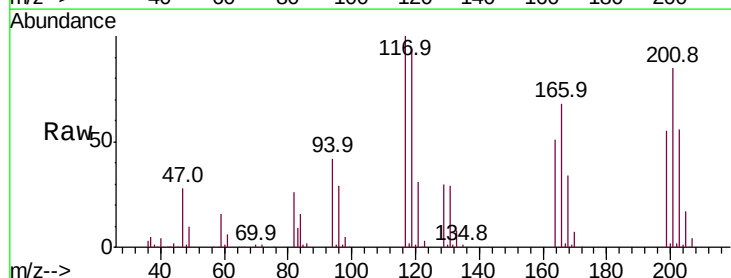
Acq: 25 Apr 2019 13:35

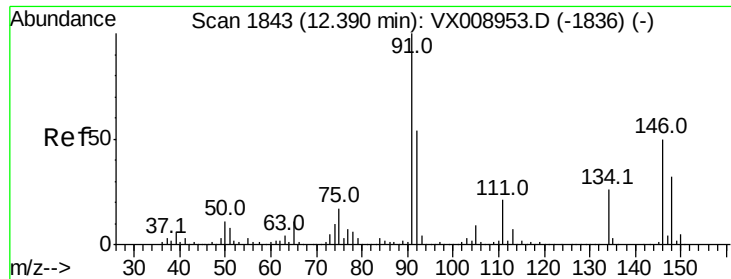
Tgt Ion: 117 Resp: 26632

Ion Ratio Lower Upper

117 100

201 83.8 43.0 129.0





#91

1,2-Dichlorobenzene

Concen: 18.759 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Instrument :

MSVOA_X

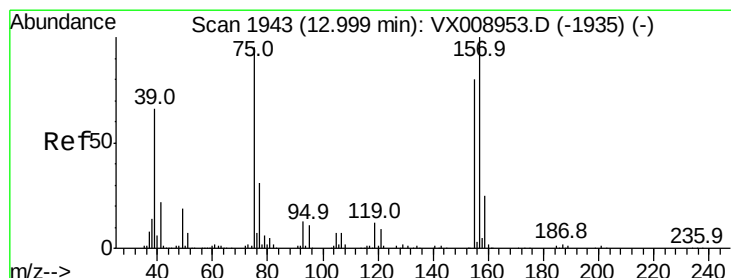
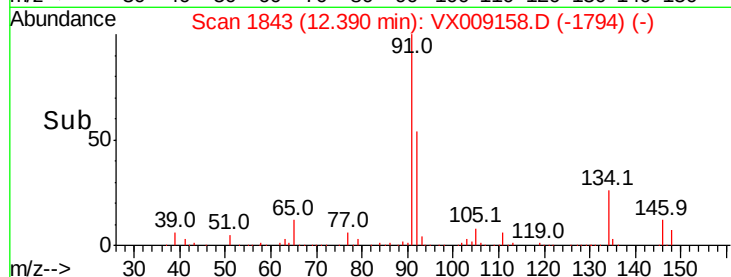
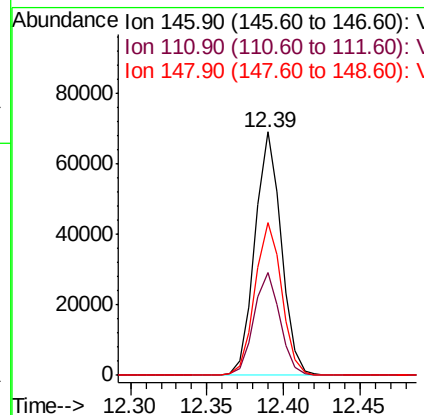
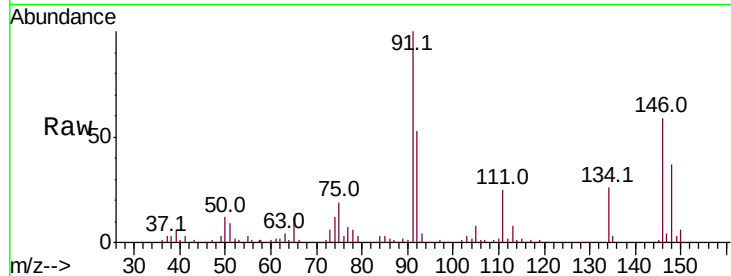
ClientSampleId :

VX0425WBS01

Tot Ion:	146	Resp:	82578
Ion Ratio	Lower	Upper	
146	100		
111	41.9	20.6	61.9
148	63.9	32.0	96.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.335 ug/l

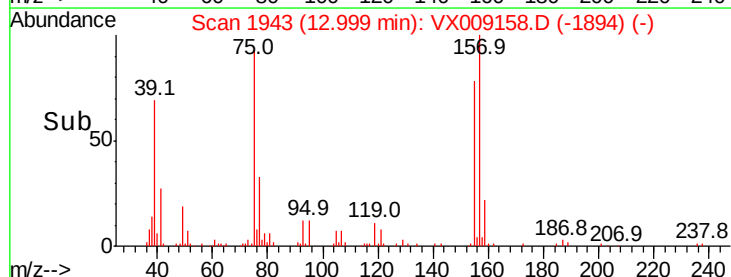
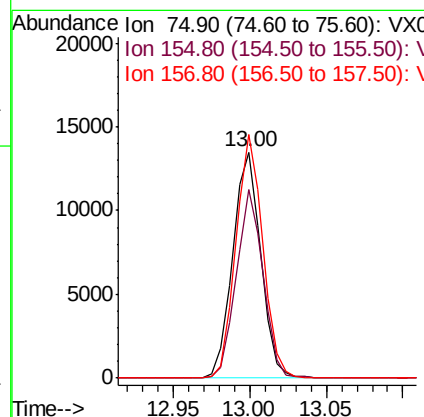
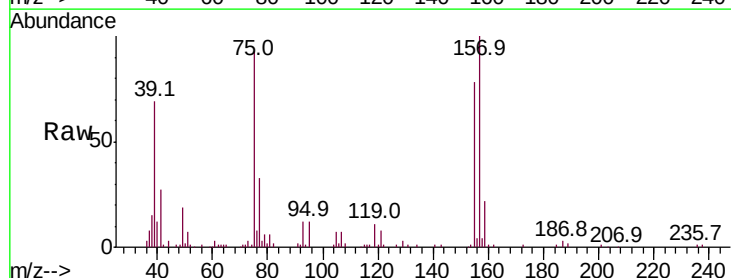
RT: 13.00 min Scan# 1943

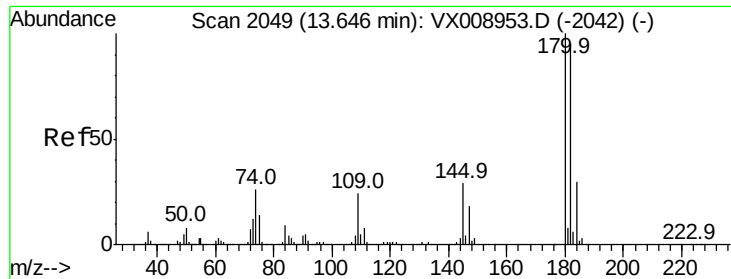
Delta R.T. -0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Tgt Ion:	75	Resp:	17078
Ion Ratio	Lower	Upper	
75	100		
155	79.8	41.2	123.6
157	103.3	52.5	157.6





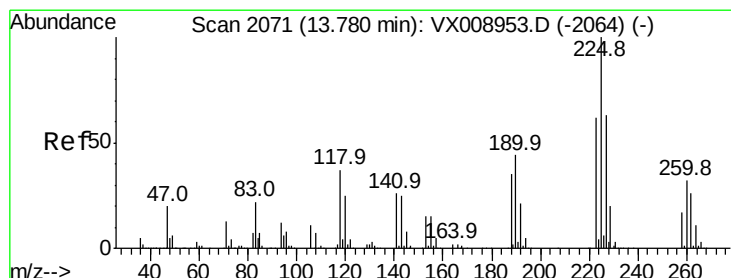
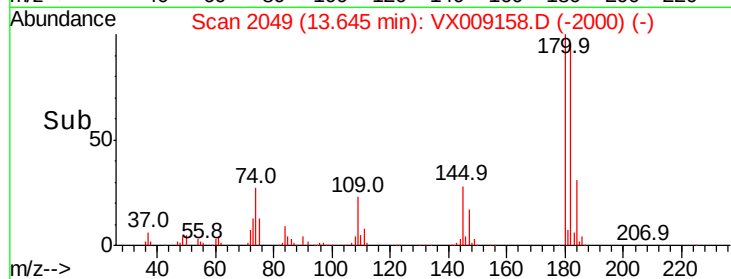
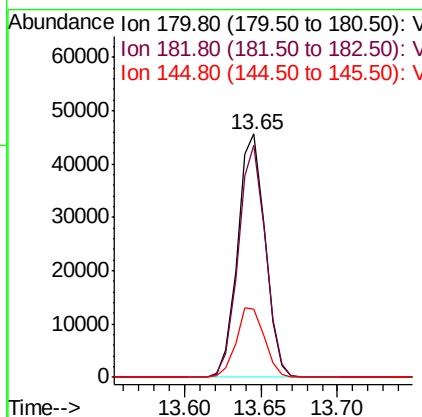
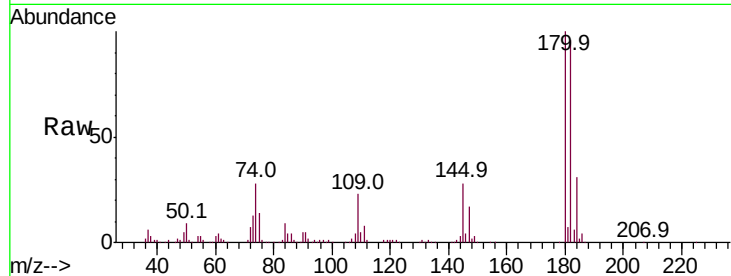
#93
 1,2,4-Trichlorobenzene
 Concen: 17.805 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009158.D
 Acq: 25 Apr 2019 13:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0425WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.2	47.6	142.9	
145	29.5	14.8	44.4	

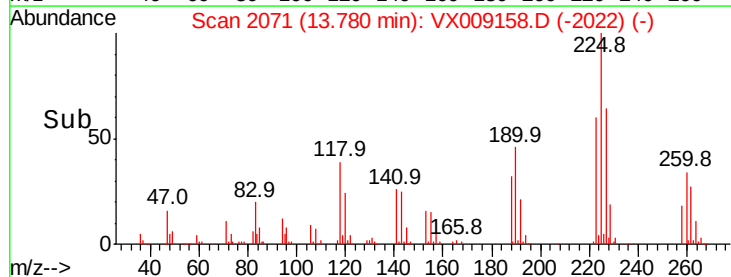
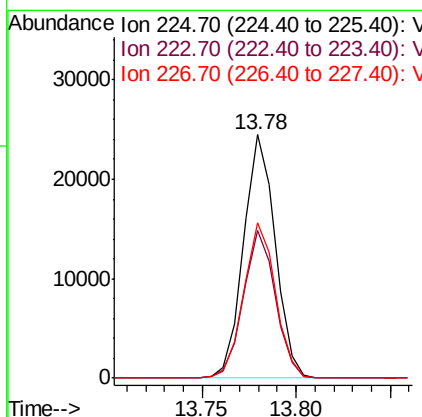
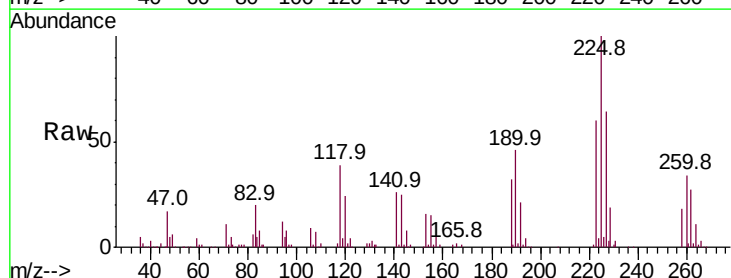
Manual Integrations
 APPROVED

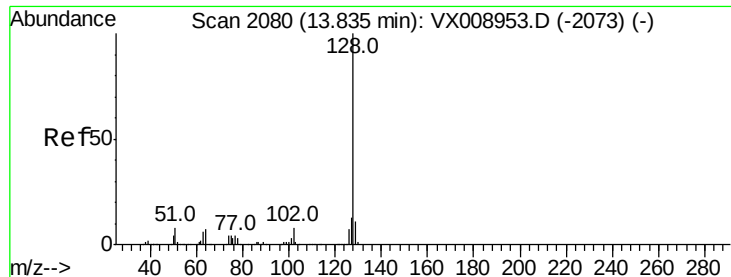
MMDadoda
 4/26/2019 10:05:14 AM



#94
 Hexachlorobutadiene
 Concen: 18.005 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009158.D
 Acq: 25 Apr 2019 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.4	31.1	93.2	
227	64.3	32.0	96.2	





#95

Naphthalene

Concen: 19.549 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Instrument :

MSVOA_X

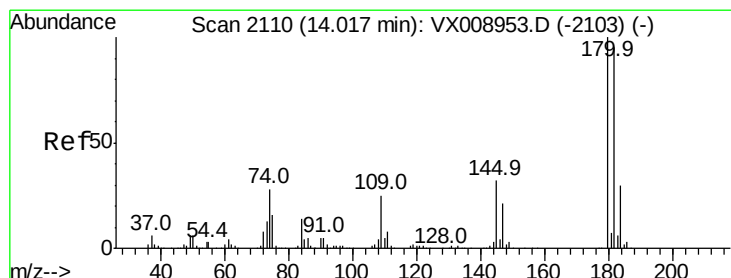
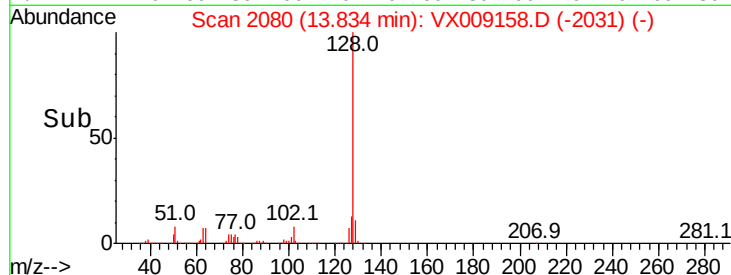
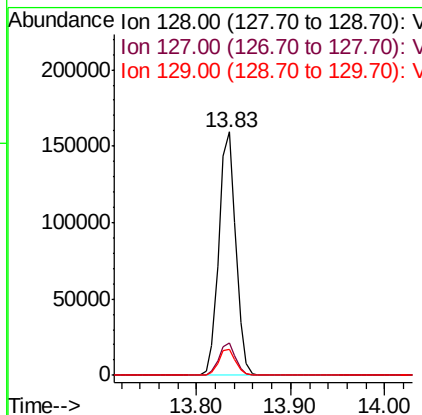
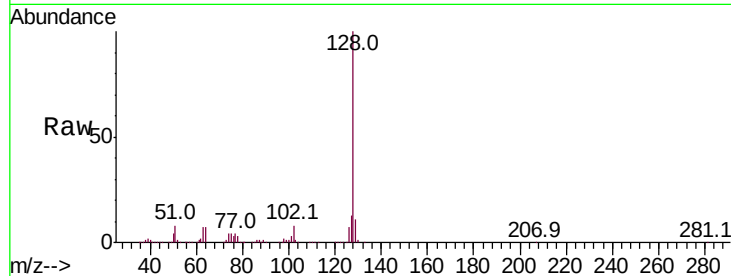
ClientSampleId :

VX0425WBS01

Tot Ion:	128	Resp:	199025
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMdadoda
4/26/2019 10:05:14 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.605 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009158.D

Acq: 25 Apr 2019 13:35

Tgt Ion:	180	Resp:	58333
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.8	143.4
145	32.0	15.8	47.3

