

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
 Data File : VX010660.D
 Acq On : 03 Jul 2019 23:02
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 2:40:59 PM

Quant Time: Jul 04 05:38:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	219486	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	334759	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	302151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152300	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	107011	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
35) Dibromofluoromethane	5.50	113	104278	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
50) Toluene-d8	8.71	98	377103	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
62) 4-Bromofluorobenzene	11.13	95	135879	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	96090	62.972	ug/l 99
3) Chloromethane	1.32	50	96240	54.163	ug/l 98
4) Vinyl Chloride	1.41	62	109231	56.126	ug/l 99
5) Bromomethane	1.64	94	54978	57.985	ug/l 99
6) Chloroethane	1.71	64	67165	58.495	ug/l 98
7) Trichlorofluoromethane	1.93	101	185143	60.011	ug/l 98
8) Diethyl Ether	2.19	74	63988	57.835	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	103937	55.592	ug/l 99
10) Methyl Iodide	2.51	142	133540	50.048	ug/l 96
11) Tert butyl alcohol	3.05	59	114580	212.782	ug/l 98
12) 1,1-Dichloroethene	2.37	96	104923	55.151	ug/l 99
13) Acrolein	2.29	56	56124	157.114	ug/l 97
14) Allyl chloride	2.73	41	148708	55.058	ug/l 98
15) Acrylonitrile	3.14	53	292460	274.317	ug/l 99
16) Acetone	2.45	43	231488	224.450	ug/l 97
17) Carbon Disulfide	2.57	76	265378	51.994	ug/l 98
18) Methyl Acetate	2.78	43	148960	72.467	ug/l 100
19) Methyl tert-butyl Ether	3.20	73	338762	56.602	ug/l 99
20) Methylene Chloride	2.85	84	116916	55.085	ug/l 97
21) trans-1,2-Dichloroethene	3.17	96	111576	54.531	ug/l 98
22) Diisopropyl ether	3.85	45	318570	56.413	ug/l 95
23) Vinyl Acetate	3.82	43	1169882	239.806	ug/l 98
24) 1,1-Dichloroethane	3.70	63	182166	55.807	ug/l 100
25) 2-Butanone	4.67	43	389643	257.552	ug/l 100
26) 2,2-Dichloropropane	4.59	77	117610	41.476	ug/l 99
27) cis-1,2-Dichloroethene	4.60	96	128986	54.552	ug/l 99
28) Bromochloromethane	5.01	49	79432	50.896	ug/l 96
29) Tetrahydrofuran	5.13	42	257128	274.392	ug/l 99
30) Chloroform	5.21	83	196355	55.908	ug/l 99
31) Cyclohexane	5.58	56	167722	56.424	ug/l 96
32) 1,1,1-Trichloroethane	5.49	97	173104	55.819	ug/l 99
36) 1,1-Dichloropropene	5.80	75	144894	54.468	ug/l 98
37) Ethyl Acetate	4.83	43	146469	53.521	ug/l 99
38) Carbon Tetrachloride	5.79	117	153462	53.274	ug/l 98

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Manual Integrations
 APPROVED

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Quant Time: Jul 04 05:38:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	184282	52.701	ug/l	97
40) Benzene	6.14	78	451362	54.462	ug/l	100
41) Methacrylonitrile	5.04	41	83951	55.909	ug/l	97
42) 1,2-Dichloroethane	6.20	62	148296	58.783	ug/l	97
43) Isopropyl Acetate	6.45	43	241258	53.284	ug/l	97
44) Trichloroethene	7.21	130	128242	51.713	ug/l	99
45) 1,2-Dichloropropane	7.51	63	113085	54.033	ug/l	97
46) Dibromomethane	7.66	93	82738	55.100	ug/l	96
47) Bromodichloromethane	7.90	83	148225	53.864	ug/l	98
48) Methyl methacrylate	7.77	41	120262	57.143	ug/l	98
49) 1,4-Dioxane	7.74	88	55111	909.008	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	786790	271.700	ug/l	98
52) Toluene	8.79	92	293850	53.841	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	156653	50.775	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	176643	52.686	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	122051	54.223	ug/l	98
56) Ethyl methacrylate	9.18	69	183556	53.832	ug/l	97
57) 1,3-Dichloropropane	9.37	76	190280	54.458	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	389914	240.775	ug/l	98
59) 2-Hexanone	9.49	43	586782	257.462	ug/l	98
60) Dibromochloromethane	9.58	129	131237	52.073	ug/l	98
61) 1,2-Dibromoethane	9.67	107	132757	54.642	ug/l	100
64) Tetrachloroethene	9.34	164	116589	47.707	ug/l	97
65) Chlorobenzene	10.13	112	325768	53.106	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	119844	53.636	ug/l	99
67) Ethyl Benzene	10.25	91	560849	54.157	ug/l	98
68) m/p-Xylenes	10.36	106	430795	107.359	ug/l	99
69) o-Xylene	10.69	106	210101	53.243	ug/l	99
70) Styrene	10.71	104	358484	54.170	ug/l	99
71) Bromoform	10.85	173	98669	50.779	ug/l	99
73) Isopropylbenzene	11.02	105	555390	53.796	ug/l	98
74) N-amyl acetate	10.90	43	170717	43.755	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	183758	53.745	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	149986m	54.043	ug/l	
77) Bromobenzene	11.26	156	150154	52.087	ug/l	98
78) n-propylbenzene	11.36	91	619173	54.569	ug/l	99
79) 2-Chlorotoluene	11.42	91	361644	53.524	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	455402	53.508	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	52637	44.246	ug/l	93
82) 4-Chlorotoluene	11.51	91	421129	54.775	ug/l	99
83) tert-Butylbenzene	11.77	119	461793	54.059	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	464785	54.355	ug/l	100
85) sec-Butylbenzene	11.94	105	535138	53.355	ug/l	99
86) p-Isopropyltoluene	12.06	119	494854	53.340	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	261157	51.899	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	259546	50.664	ug/l	99
89) n-Butylbenzene	12.38	91	416039	52.774	ug/l	99
90) Hexachloroethane	12.60	117	81437	50.766	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	258410	51.669	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37119	50.354	ug/l	92

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ClientSampleId :
VSTDCCC050EC

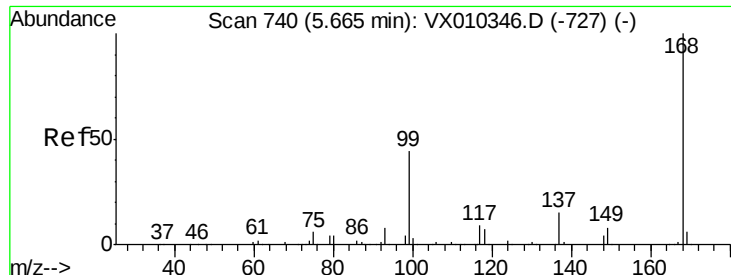
Manual Integrations
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7/8/2019 2:40:59 PM

Quant Time: Jul 04 05:38:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	176548	50.904	ug/l	97
94) Hexachlorobutadiene	13.78	225	81681	48.187	ug/l	99
95) Naphthalene	13.83	128	555074	52.079	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	176710	51.245	ug/l	99

(#) = 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: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 219486

Ion Ratio Lower Upper

168 100

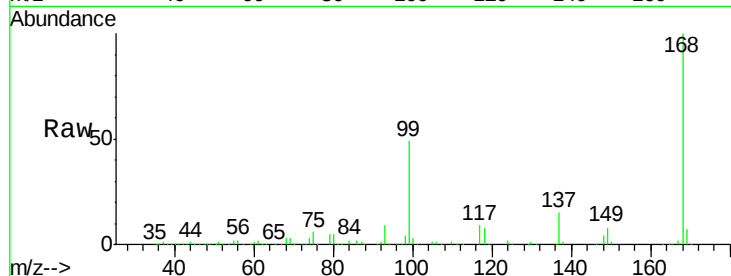
99 48.4 35.5 53.3

Manual Integrations

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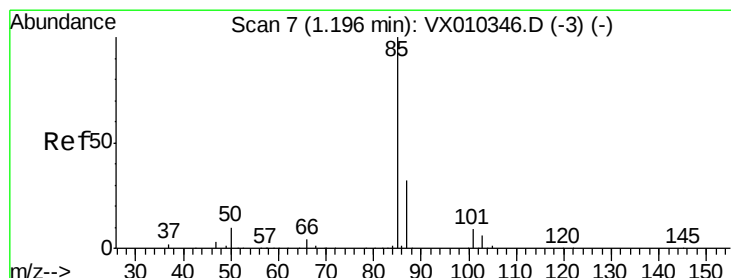
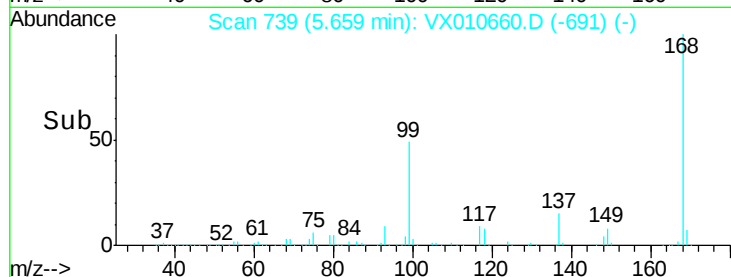
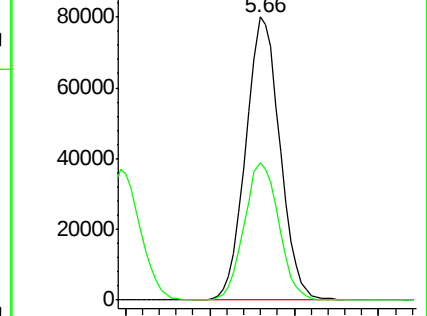
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 62.972 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010660.D

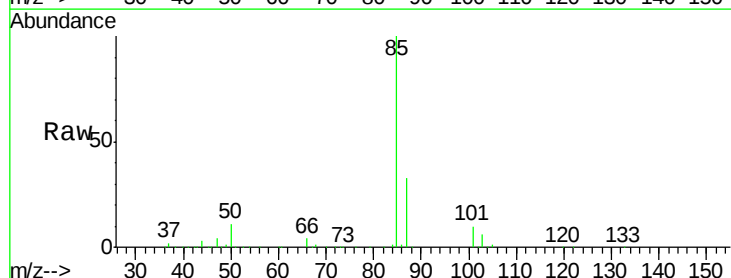
Acq: 03 Jul 2019 23:02

Tgt Ion: 85 Resp: 96090

Ion Ratio Lower Upper

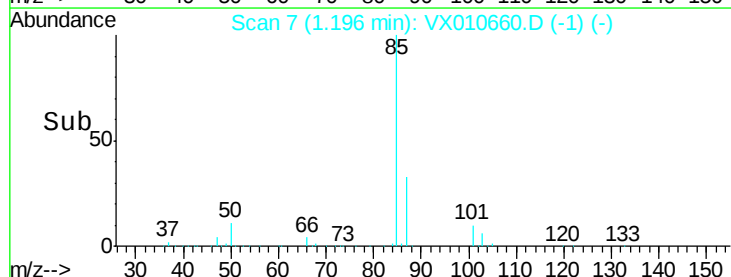
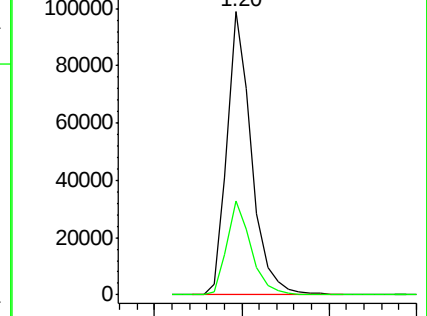
85 100

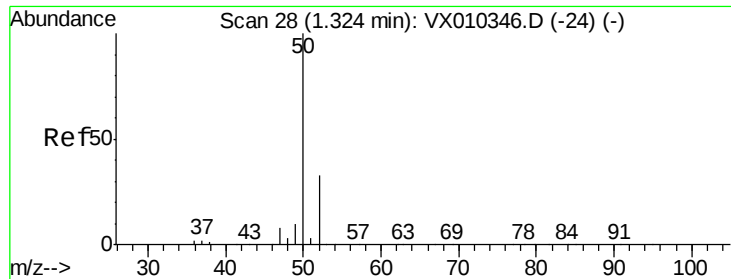
87 33.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 54.163 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 96240

Ion Ratio Lower Upper

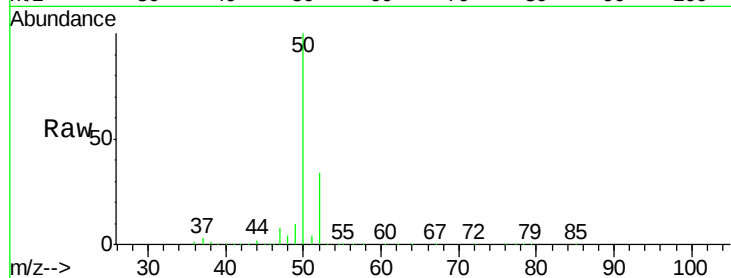
50 100

52 34.1 26.5 39.7

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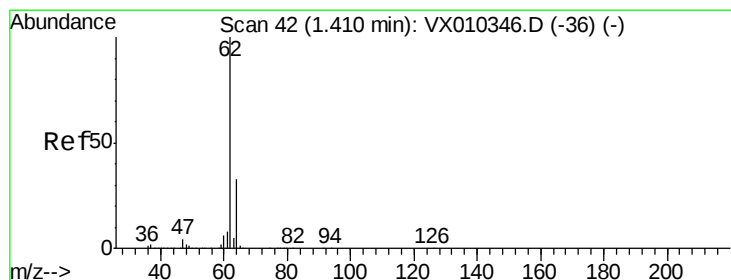
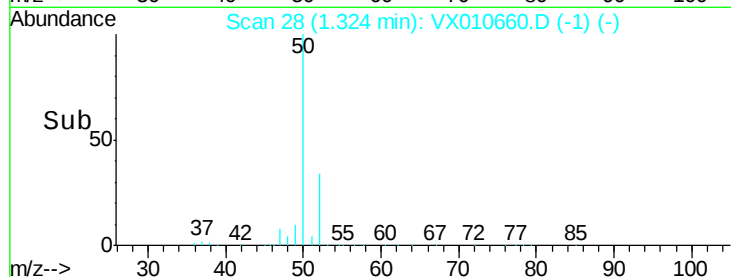
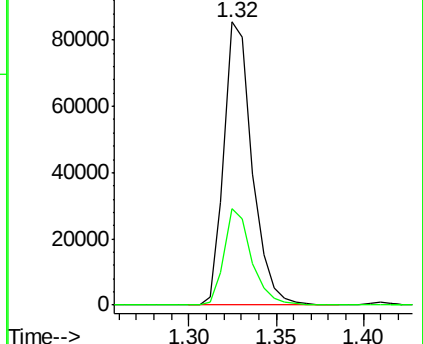
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 56.126 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010660.D

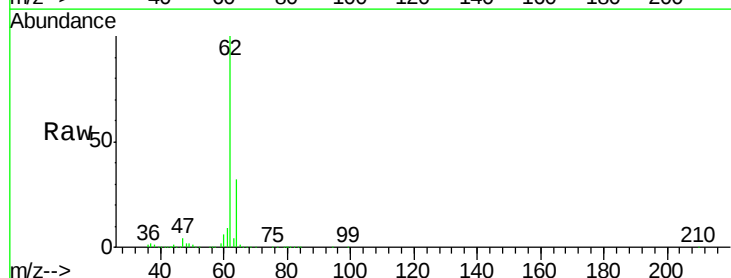
Acq: 03 Jul 2019 23:02

Tgt Ion: 62 Resp: 109231

Ion Ratio Lower Upper

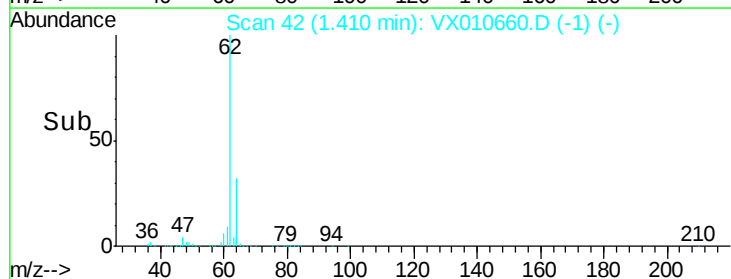
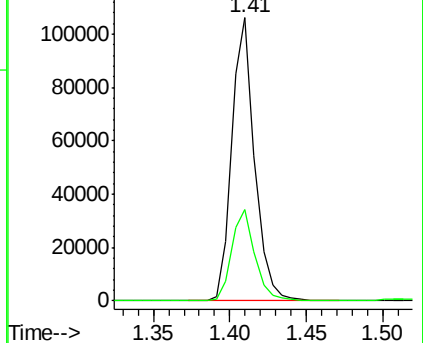
62 100

64 32.2 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 57.985 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 54978

Ion Ratio Lower Upper

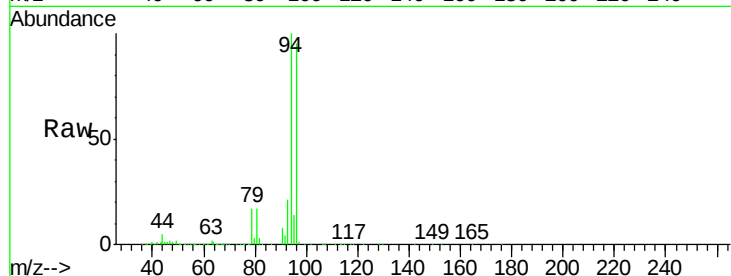
94 100

96 95.4 75.5 113.3

Manual Integrations
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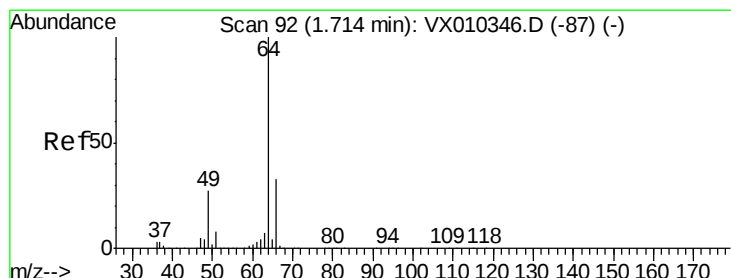
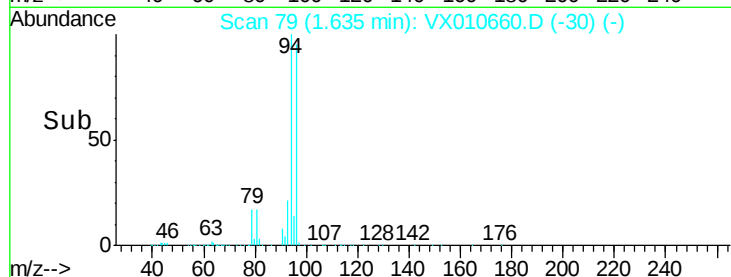
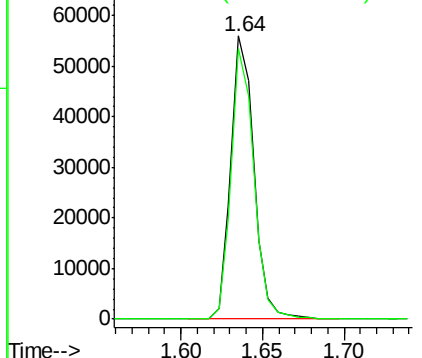
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 58.495 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010660.D

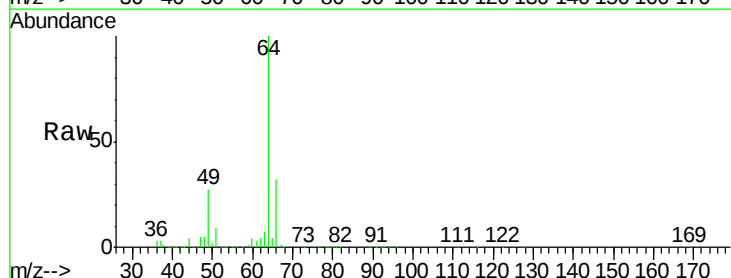
Acq: 03 Jul 2019 23:02

Tgt Ion: 64 Resp: 67165

Ion Ratio Lower Upper

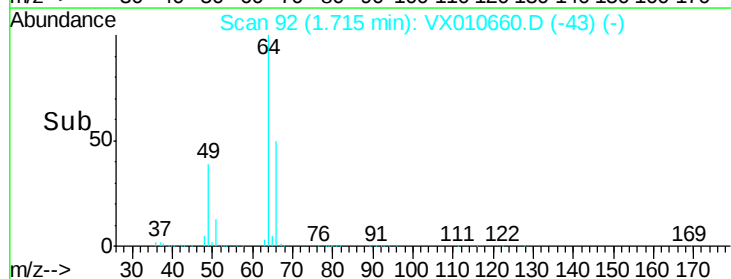
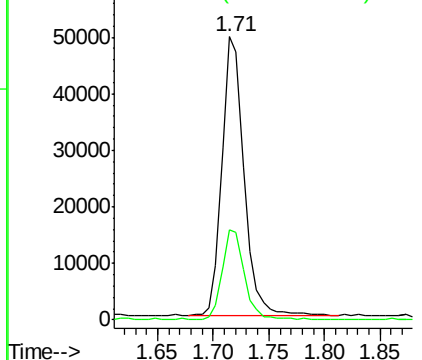
64 100

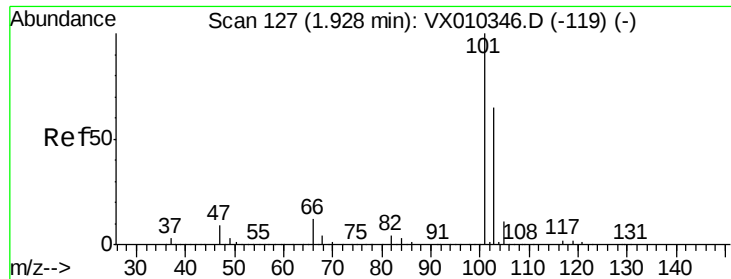
66 32.3 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

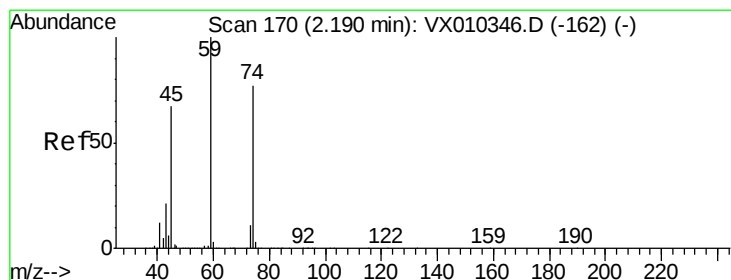
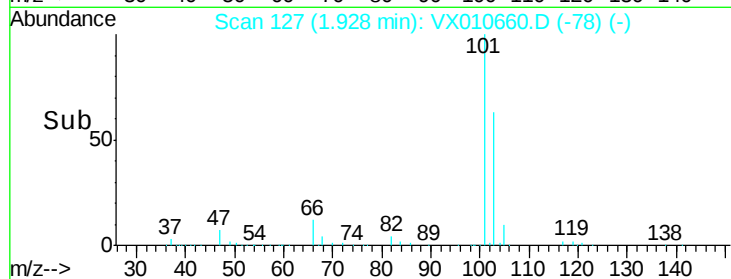
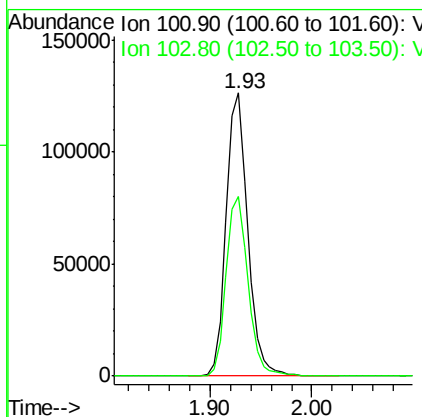
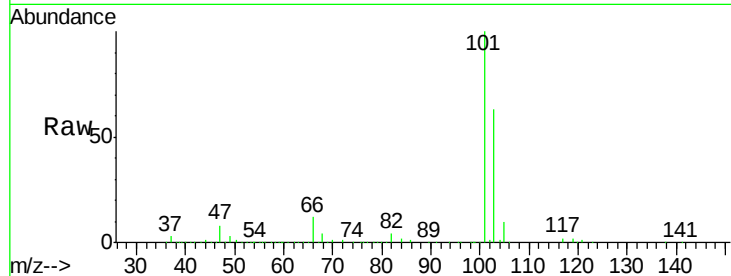
Trichlorofluoromethane
 Concen: 60.011 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.3	78.5

Manual Integrations
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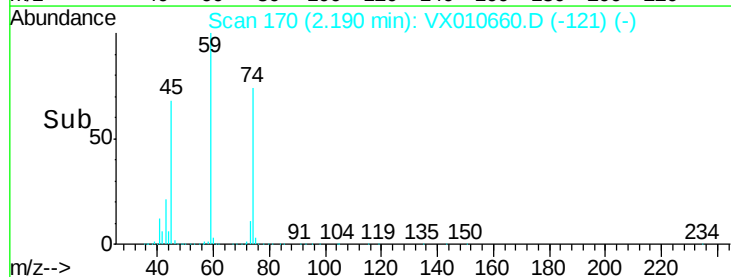
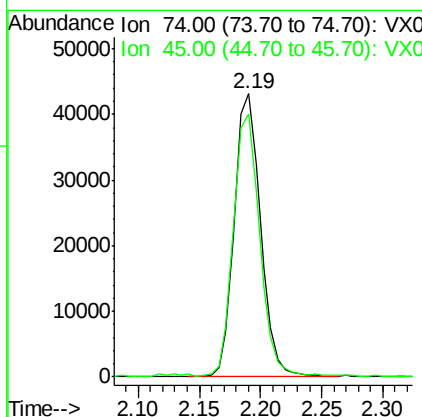
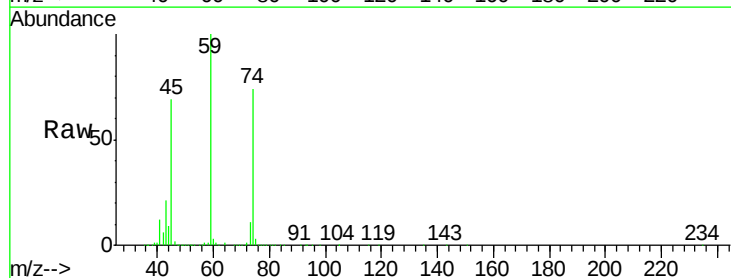
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#8

Diethyl Ether
 Concen: 57.835 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.5	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.592 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 103937

Ion Ratio Lower Upper

101 100

85 42.3 33.7 50.5

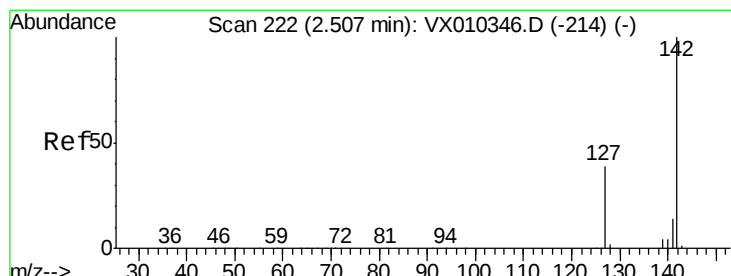
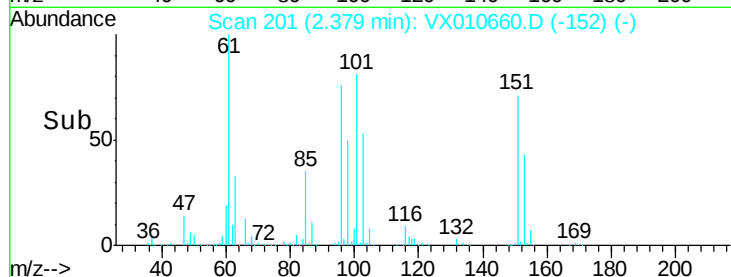
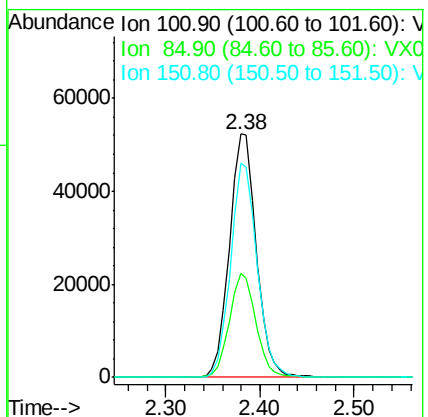
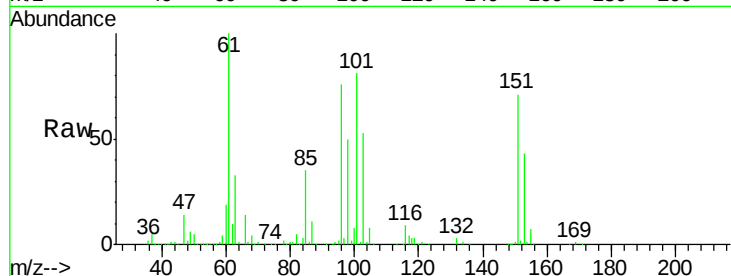
151 86.6 70.1 105.1

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#10

Methyl Iodide

Concen: 50.048 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

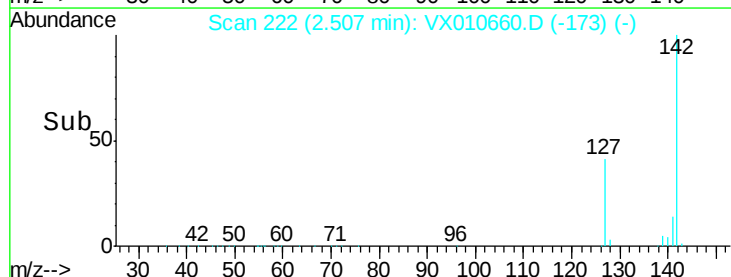
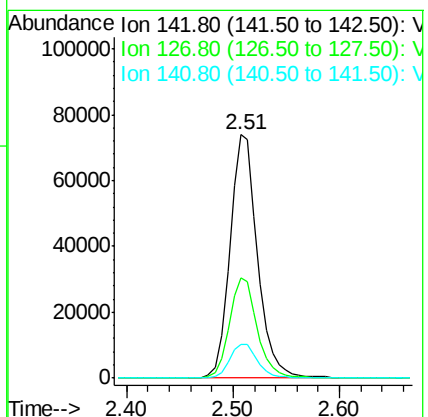
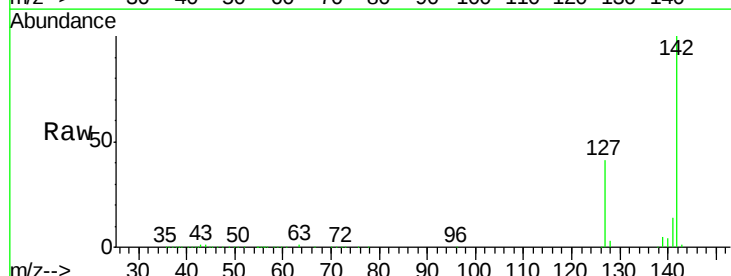
Tgt Ion:142 Resp: 133540

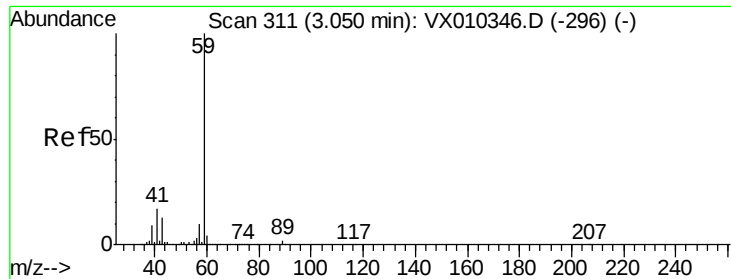
Ion Ratio Lower Upper

142 100

127 41.8 31.1 46.7

141 14.3 11.2 16.8





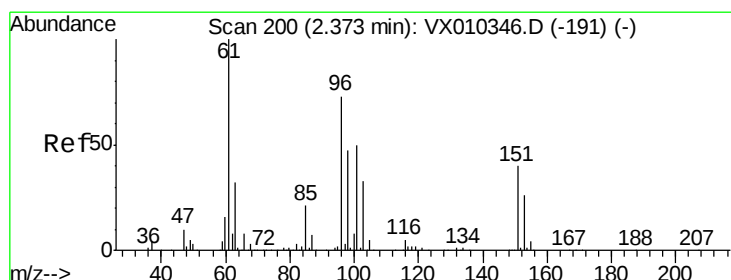
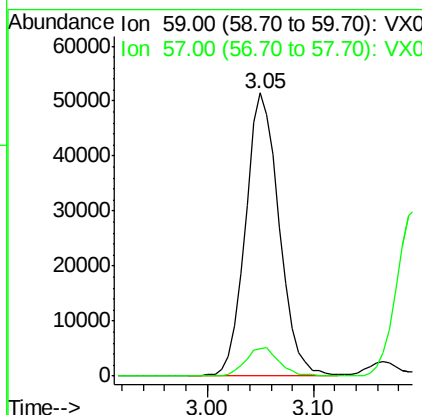
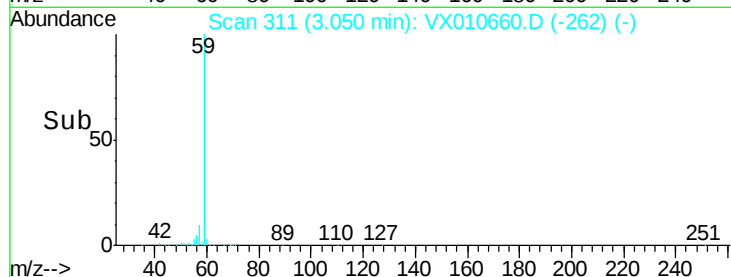
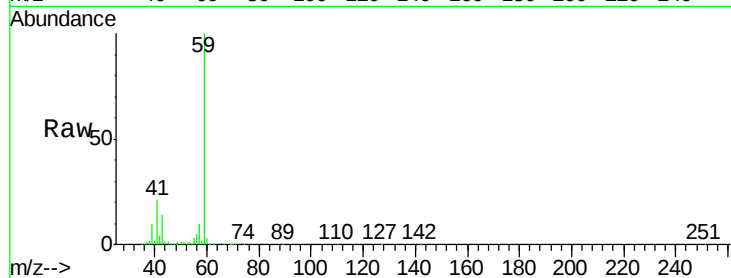
#11
Tert butyl alcohol
Concen: 212.782 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 114580
Ion Ratio Lower Upper
59 100
57 10.3 7.7 11.5

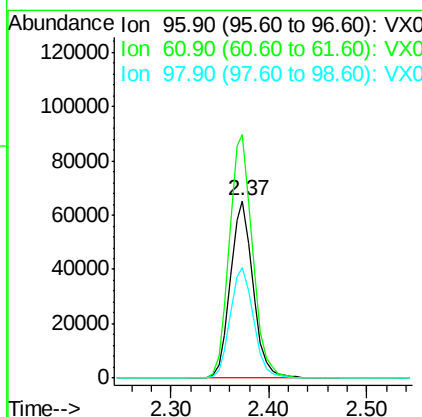
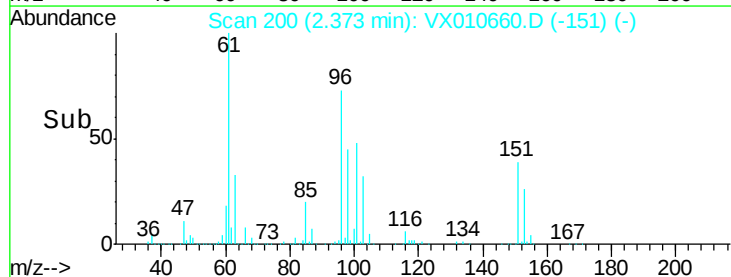
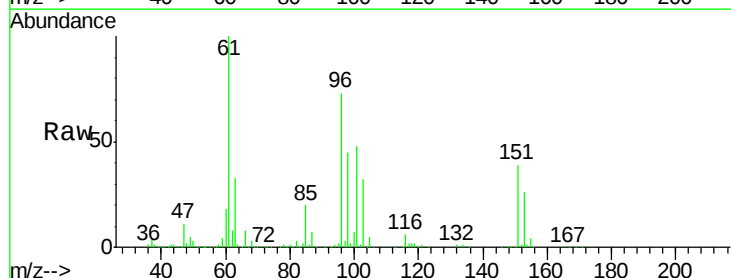
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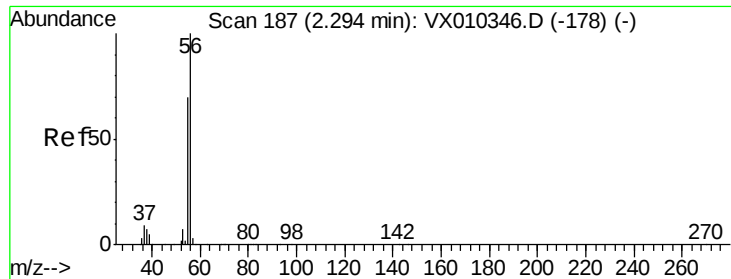
MMDadoda
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#12
1,1-Dichloroethene
Concen: 55.151 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Tgt Ion: 96 Resp: 104923
Ion Ratio Lower Upper
96 100
61 137.2 109.2 163.8
98 62.0 51.1 76.7





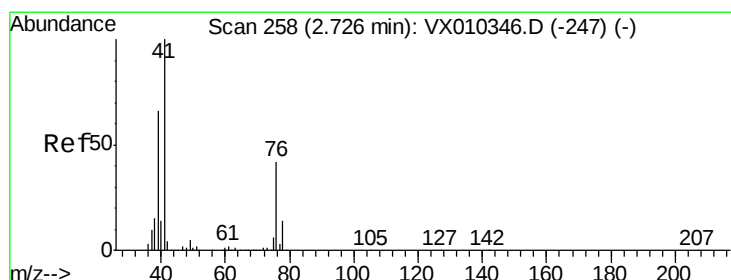
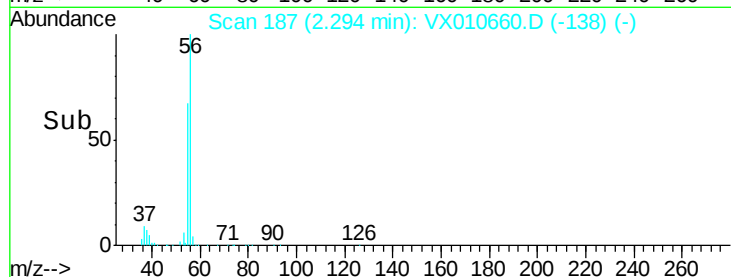
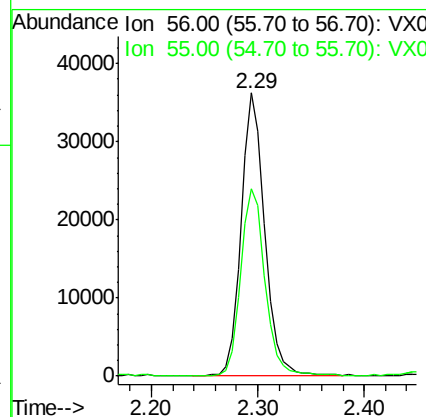
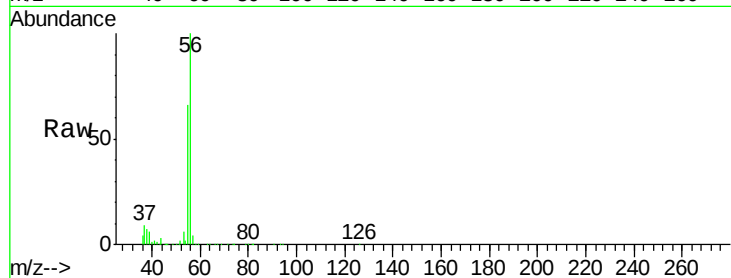
#13
Acrolein
Concen: 157.114 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.6	56.9	85.3

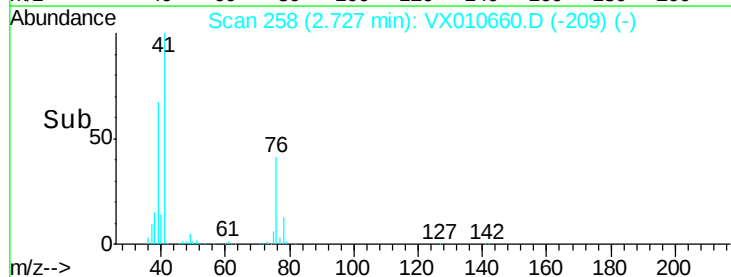
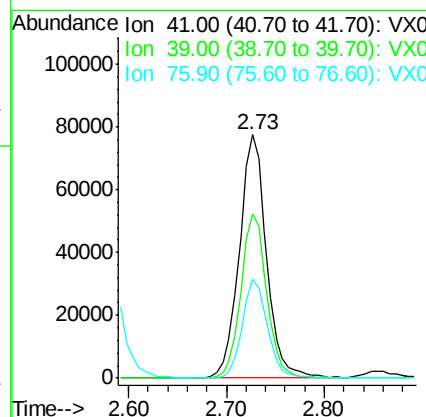
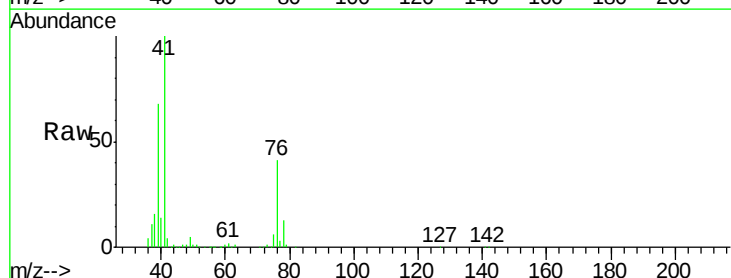
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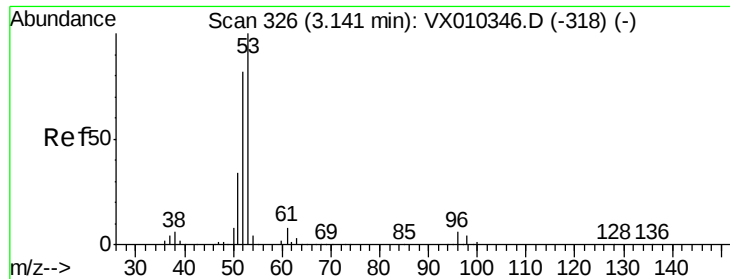
MMDadoda
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#14
Allyl chloride
Concen: 55.058 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.2	50.3	75.5
76	37.8	31.3	46.9





#15

Acrylonitrile

Concen: 274.317 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

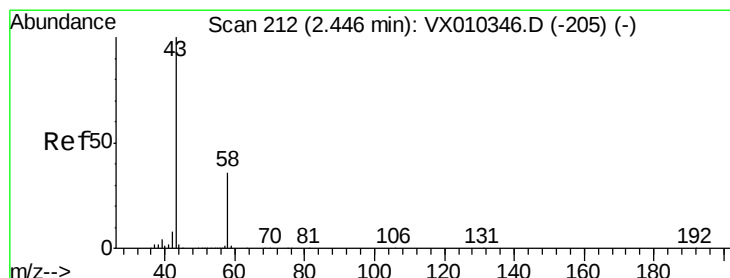
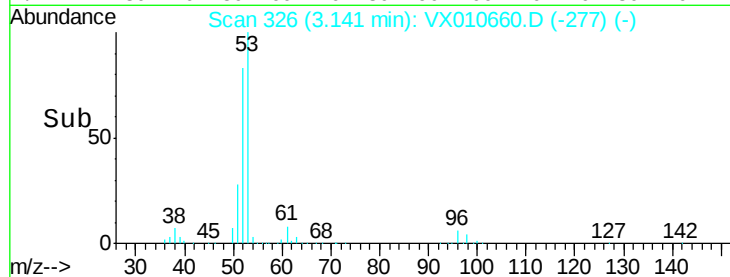
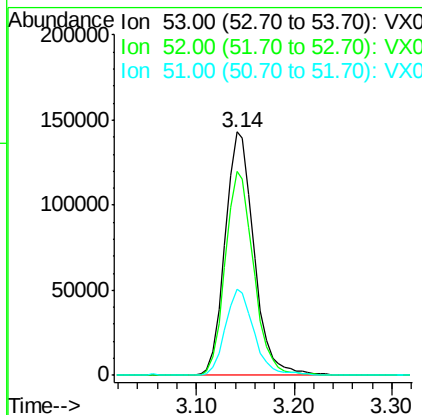
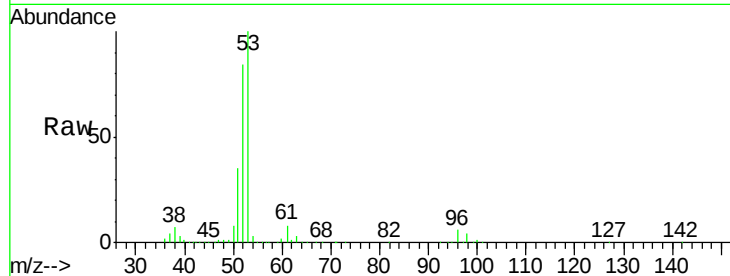
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	292460
Ion Ratio	Lower	Upper	
53	100		
52	82.8	65.5	98.3
51	35.3	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 224.450 ug/l

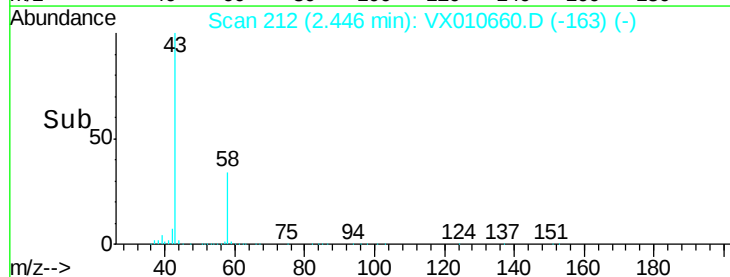
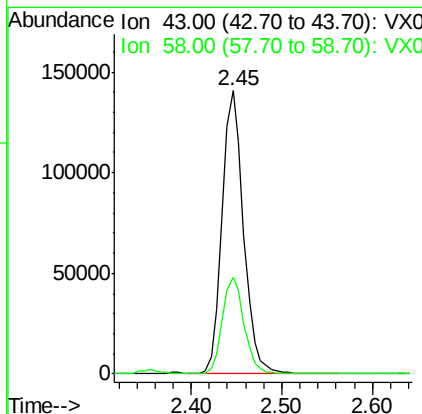
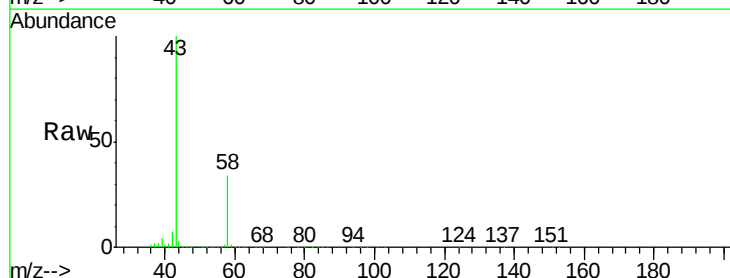
RT: 2.45 min Scan# 212

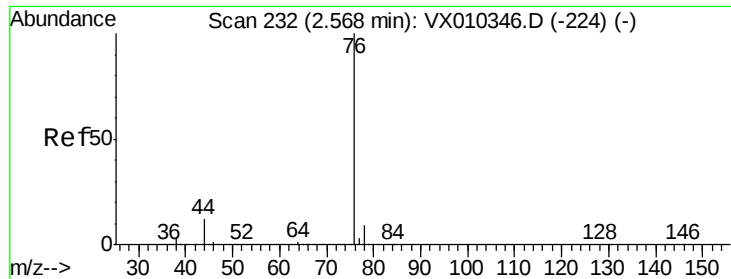
Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Tgt Ion:	43	Resp:	231488
Ion Ratio	Lower	Upper	
43	100		
58	34.1	28.9	43.3





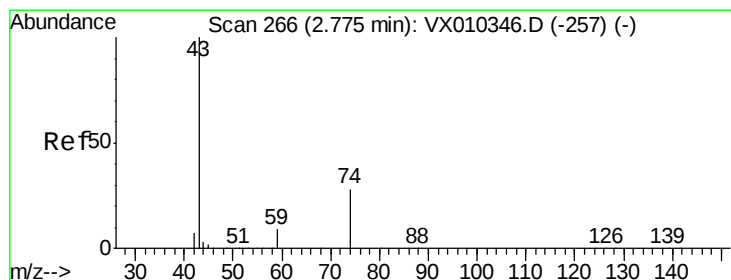
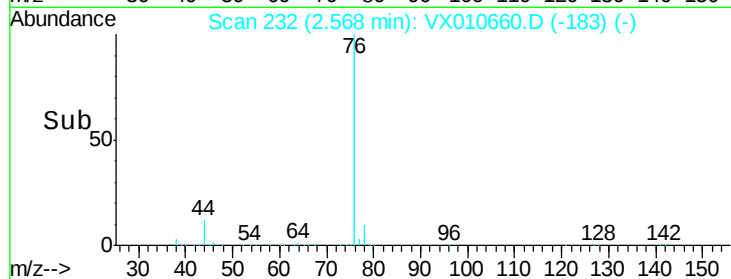
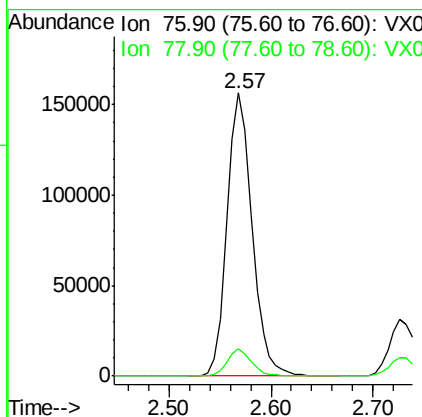
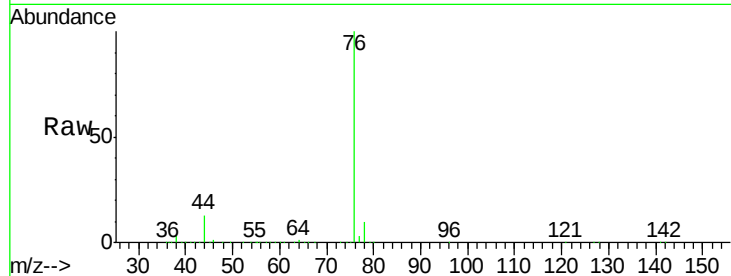
#17
Carbon Disulfide
Concen: 51.994 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.3	10.9

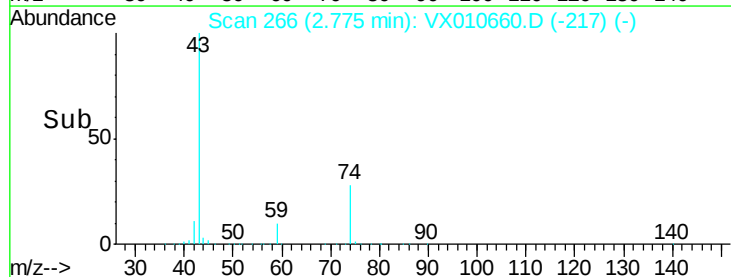
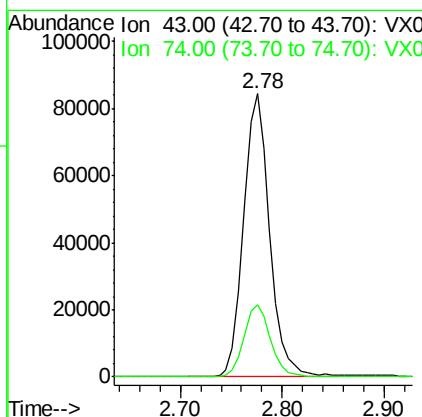
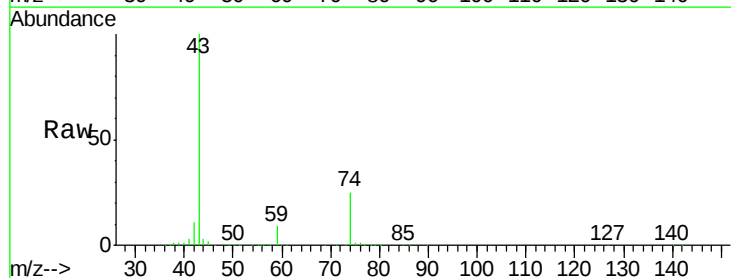
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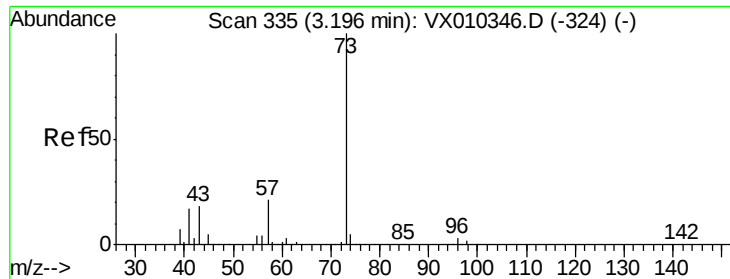
MMDadoda
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#18
Methyl Acetate
Concen: 72.467 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.4	21.3	31.9





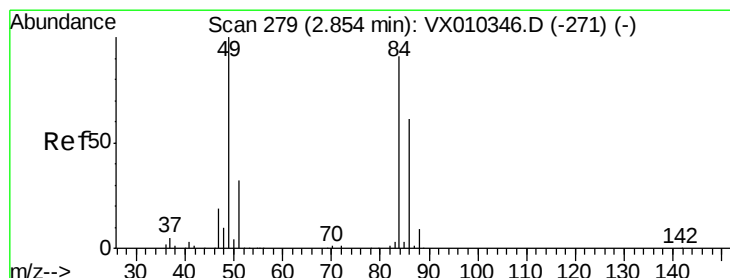
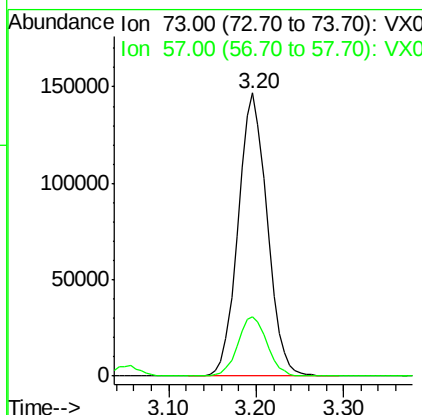
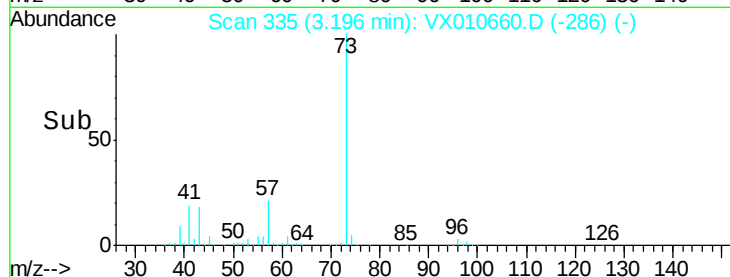
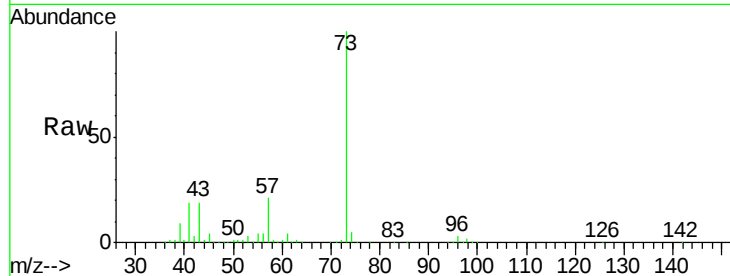
#19
Methyl tert-butyl Ether
Concen: 56.602 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 338762
Ion Ratio Lower Upper
73 100
57 20.8 16.4 24.6

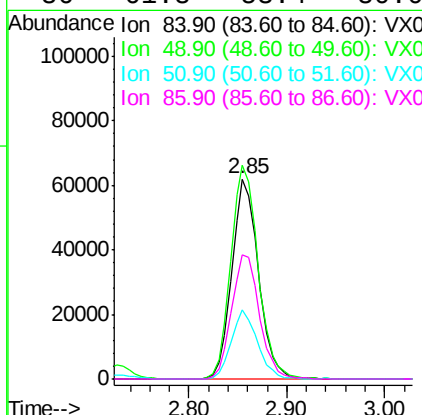
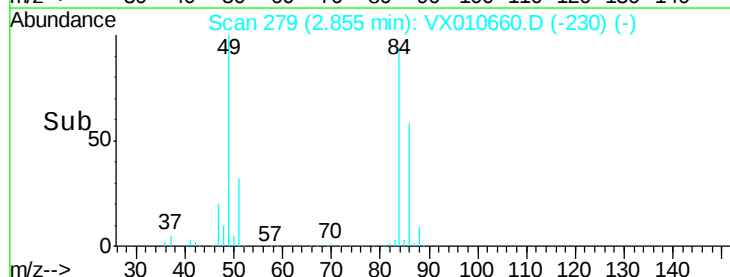
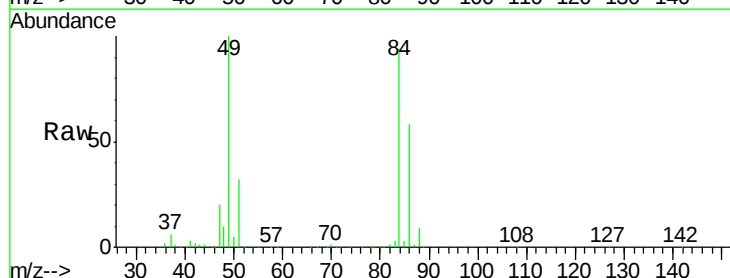
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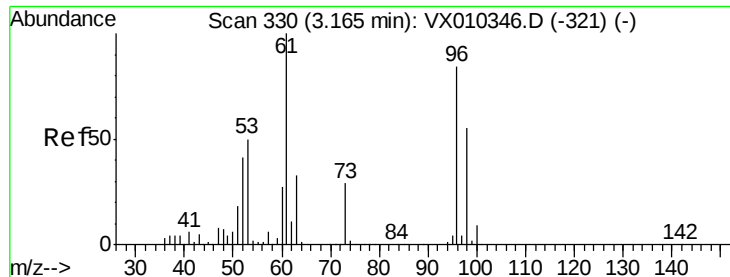
MMDadoda
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#20
Methylene Chloride
Concen: 55.085 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Tgt Ion: 84 Resp: 116916
Ion Ratio Lower Upper
84 100
49 106.6 87.5 131.3
51 34.3 27.7 41.5
86 61.8 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 54.531 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

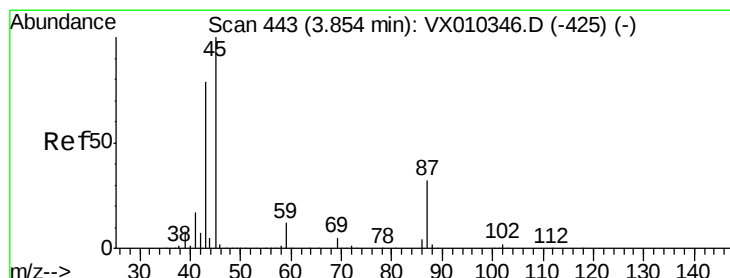
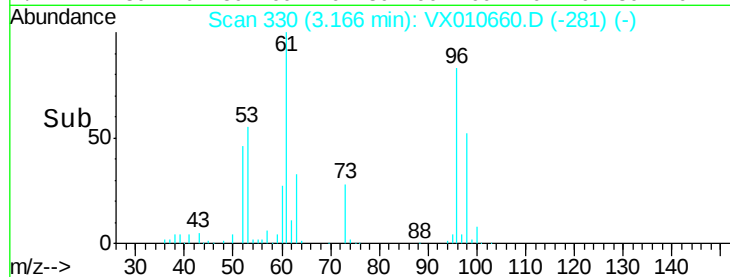
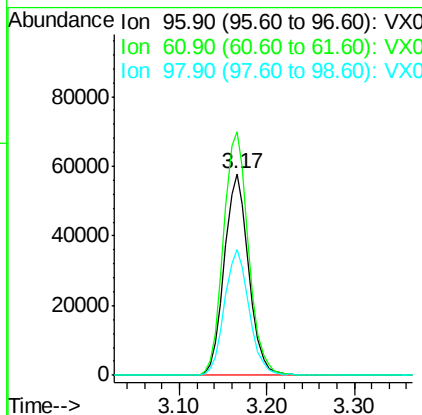
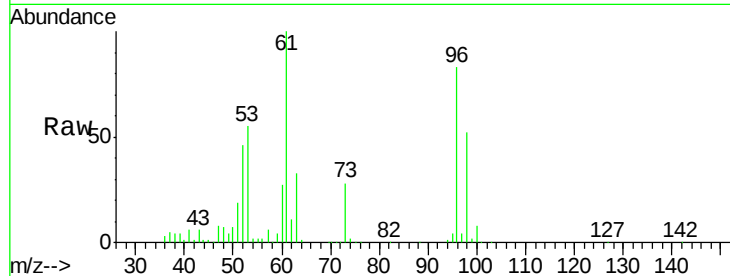
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	111576
Ion	Ratio	Lower	Upper
96	100		
61	120.6	95.6	143.4
98	62.3	52.5	78.7

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#22

Diisopropyl ether

Concen: 56.413 ug/l

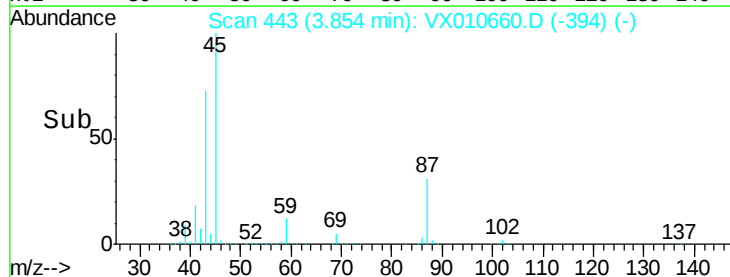
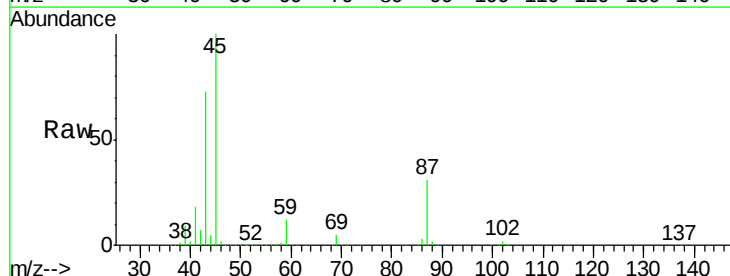
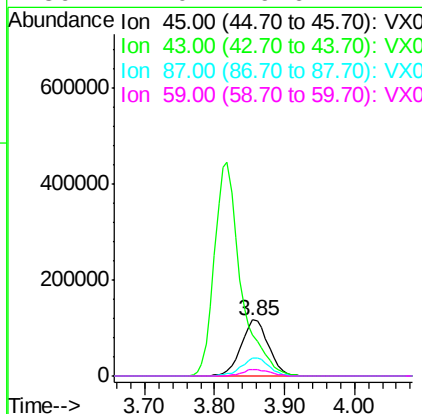
RT: 3.85 min Scan# 443

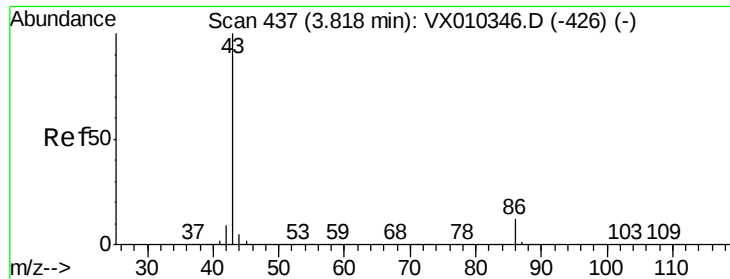
Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Tgt Ion:	45	Resp:	318570
Ion	Ratio	Lower	Upper
45	100		
43	73.1	63.3	94.9
87	31.3	25.8	38.8
59	12.0	9.6	14.4





#23

Vinyl Acetate

Concen: 239.806 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1169882

Ion Ratio Lower Upper

43 100

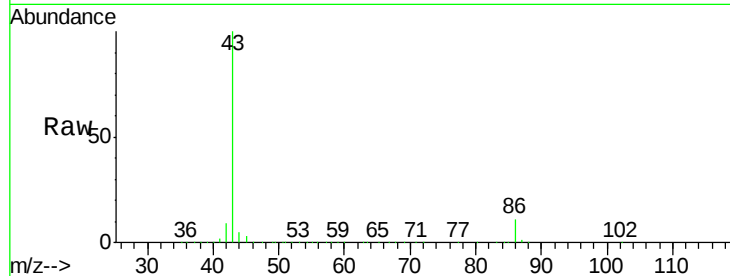
86 11.5 9.9 14.9

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

400000

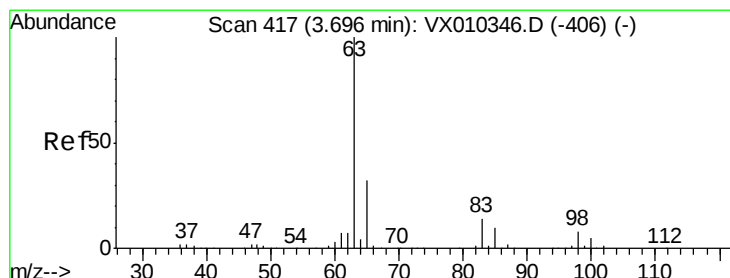
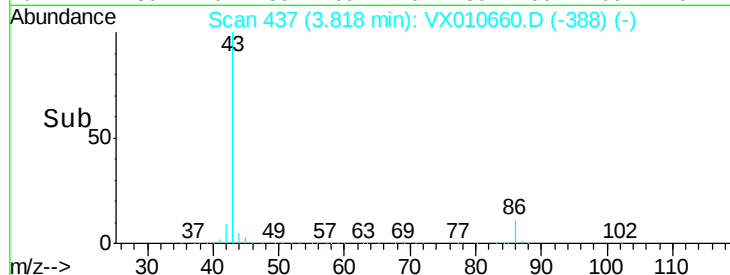
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 55.807 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

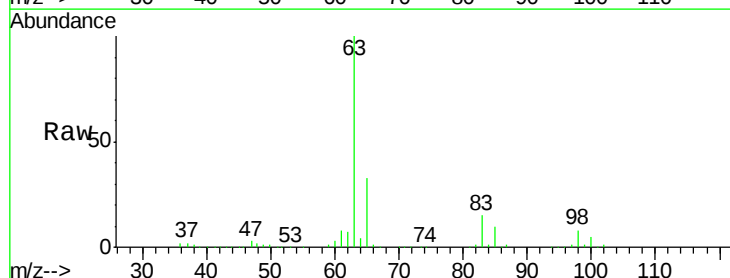
Tgt Ion: 63 Resp: 182166

Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.7

100 4.7 2.4 7.1



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

3.70

100000

80000

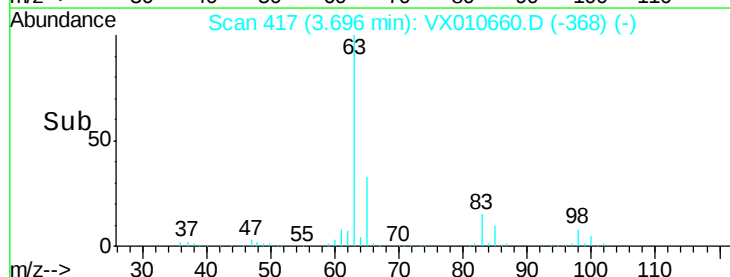
60000

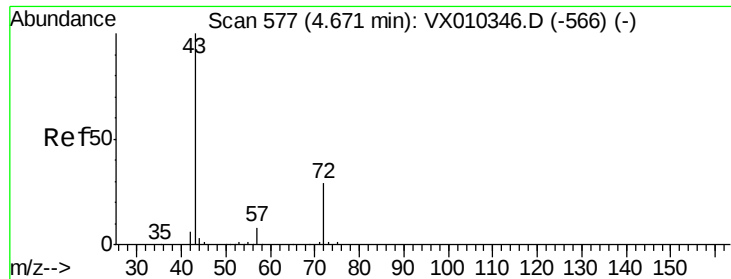
40000

20000

0

Time-->





#25

2-Butanone

Concen: 257.552 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 389643

Ion Ratio Lower Upper

43 100

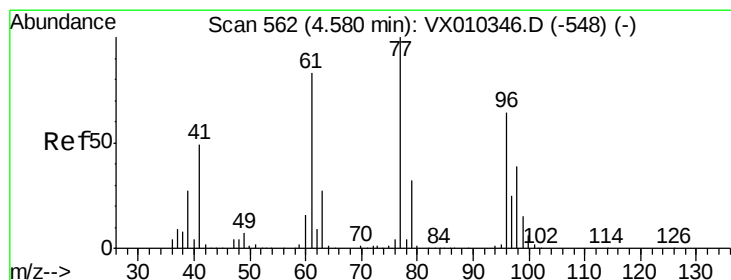
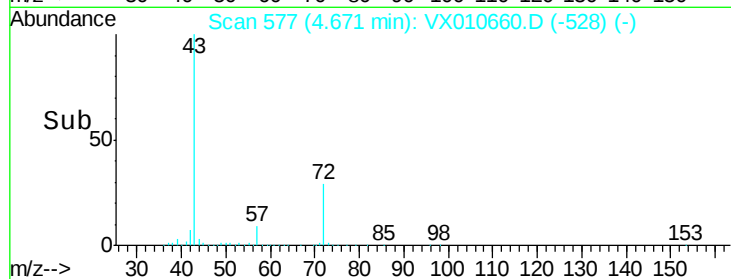
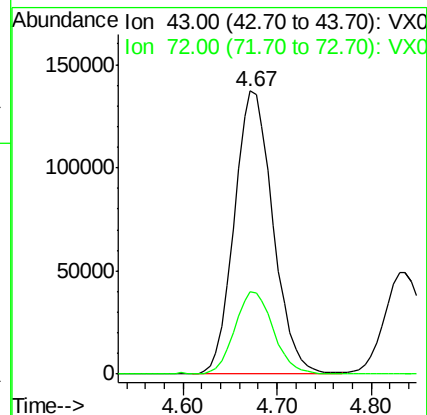
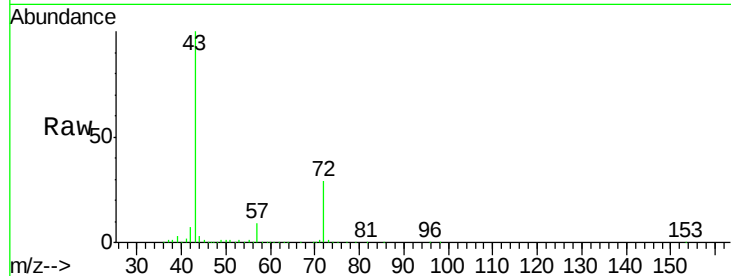
72 28.9 23.3 34.9

Manual Integrations

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7/8/2019 2:40:59 PM



#26

2,2-Dichloropropane

Concen: 41.476 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010660.D

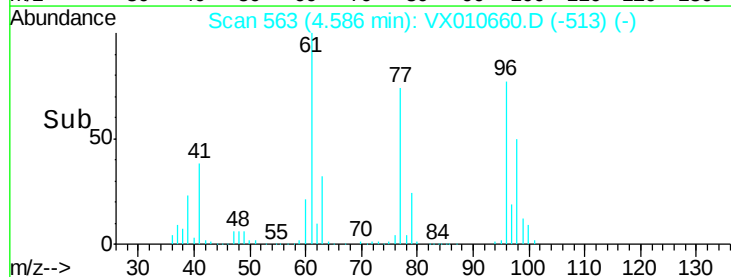
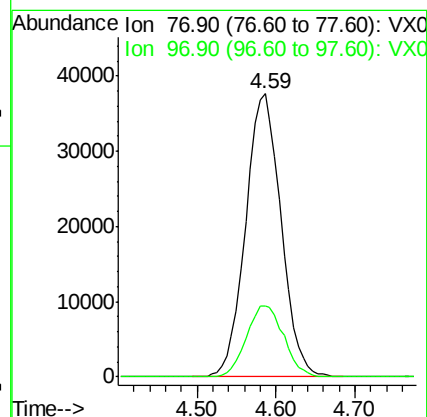
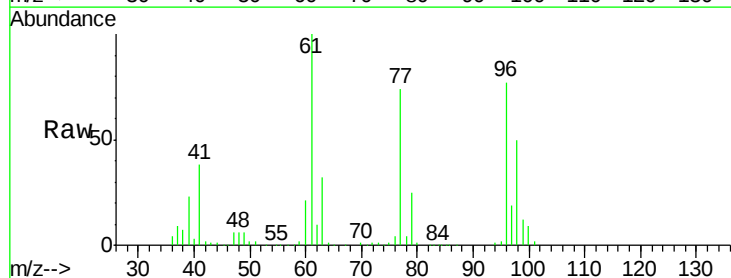
Acq: 03 Jul 2019 23:02

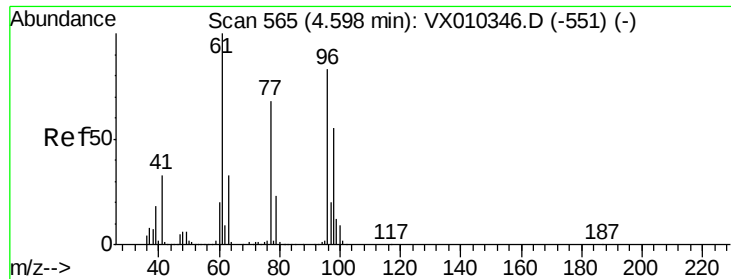
Tgt Ion: 77 Resp: 117610

Ion Ratio Lower Upper

77 100

97 26.5 13.1 39.3





#27

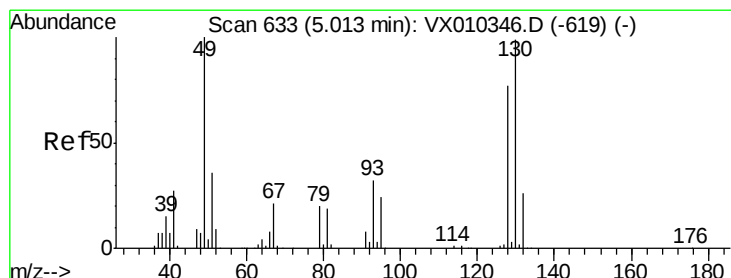
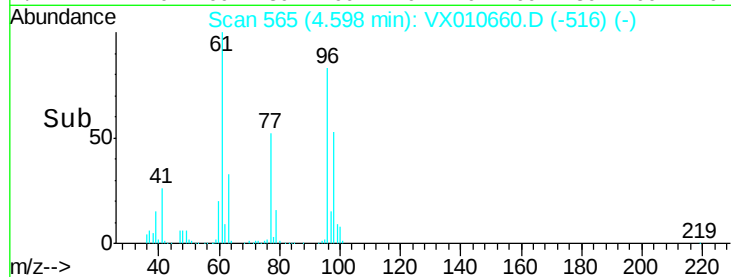
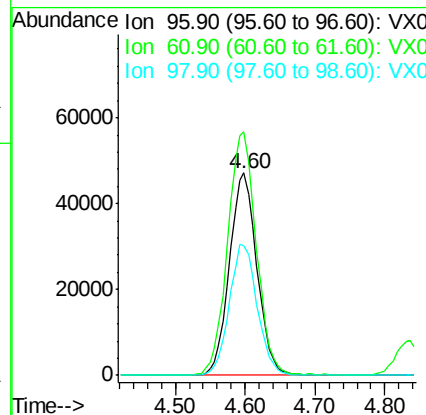
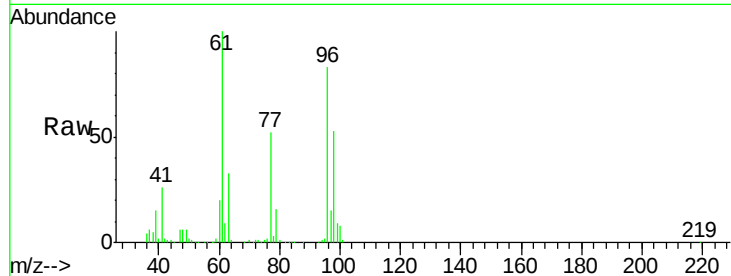
cis-1,2-Dichloroethene
 Concen: 54.552 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	128986		
61	125.4	0.0	251.8	
98	65.7	0.0	129.4	

Manual Integrations
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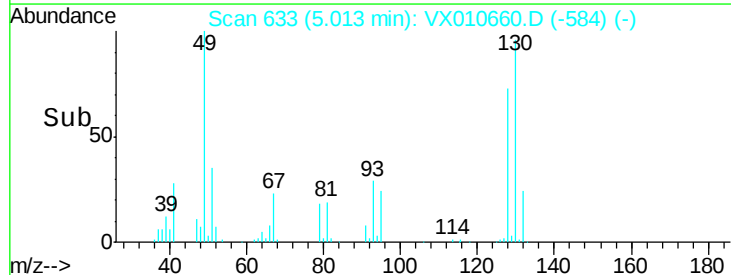
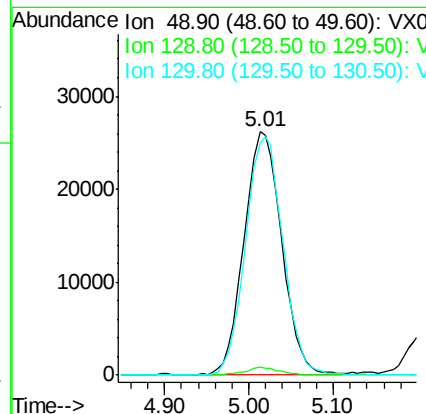
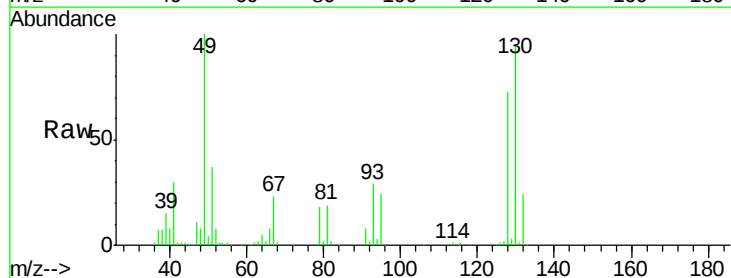
MMDadoda
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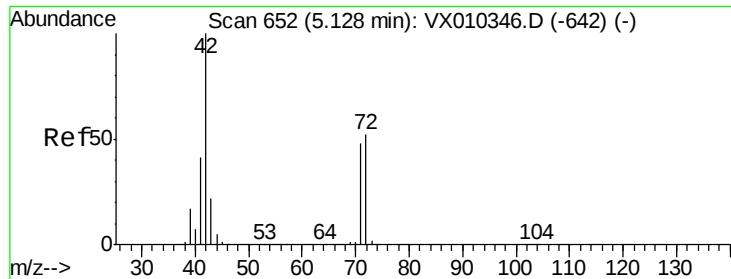


#28

Bromochloromethane
 Concen: 50.896 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	79432		
129	2.9	0.0	5.6	
130	97.5	81.4	122.0	





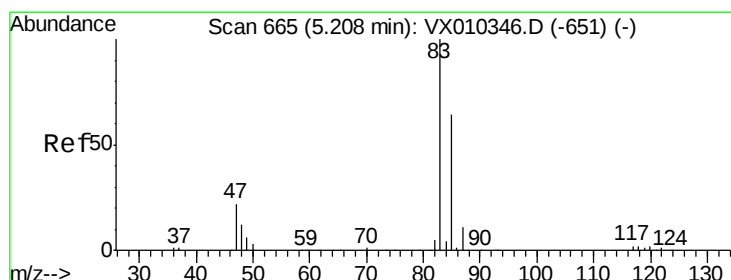
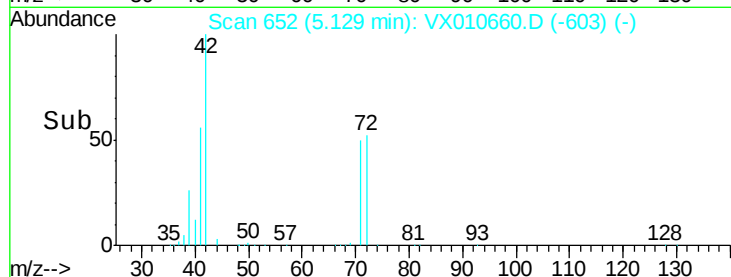
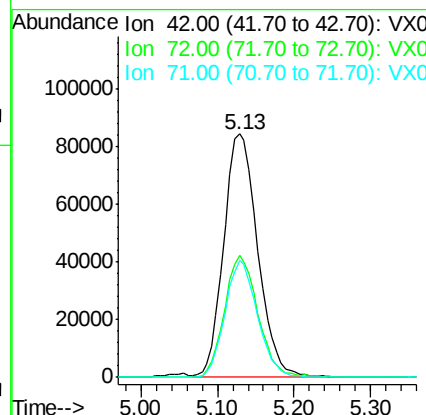
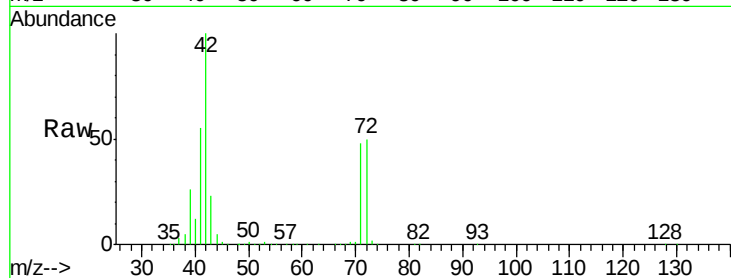
#29
Tetrahydrofuran
Concen: 274.392 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.0	40.6	60.8
71	46.4	37.8	56.8

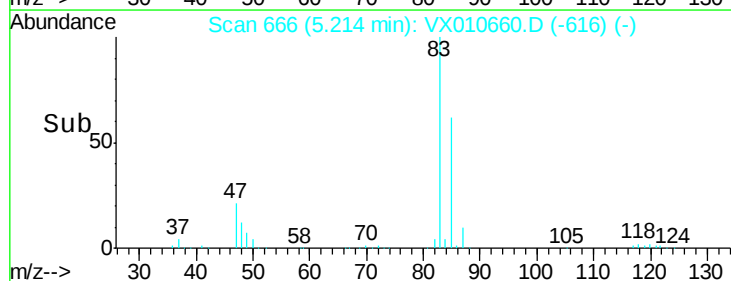
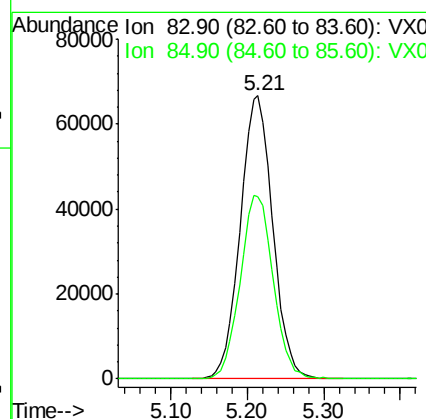
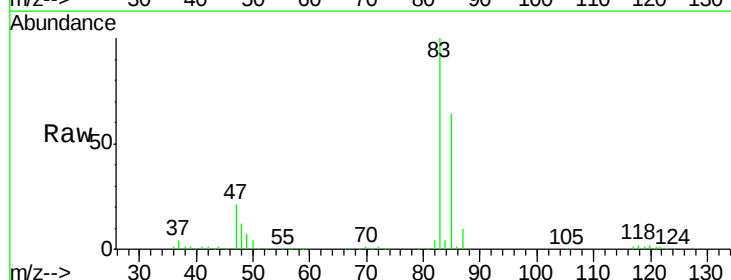
Manual Integrations
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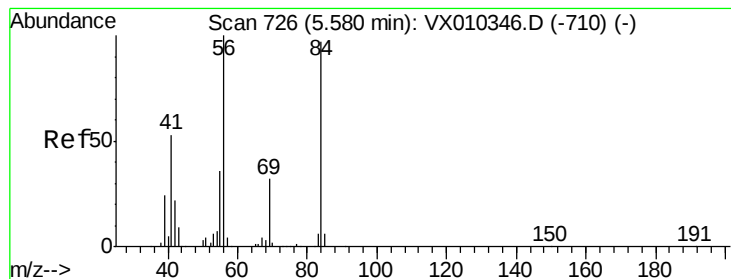
MMDadoda
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#30
Chloroform
Concen: 55.908 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.9	76.3





#31

Cyclohexane

Concen: 56.424 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

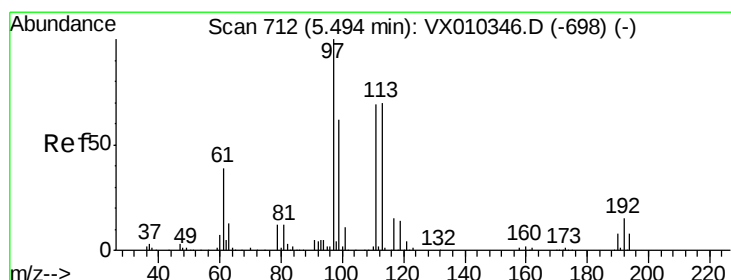
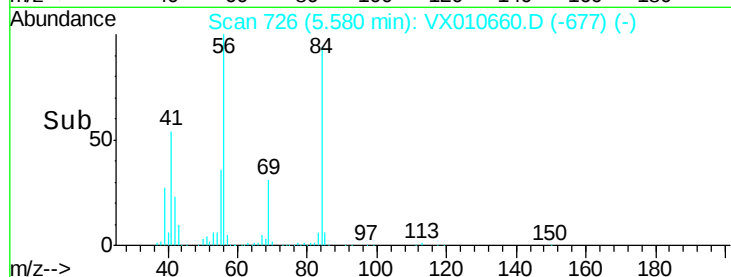
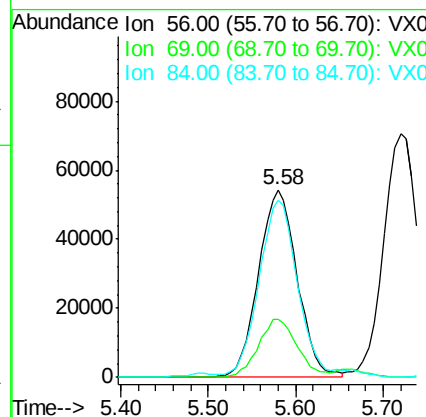
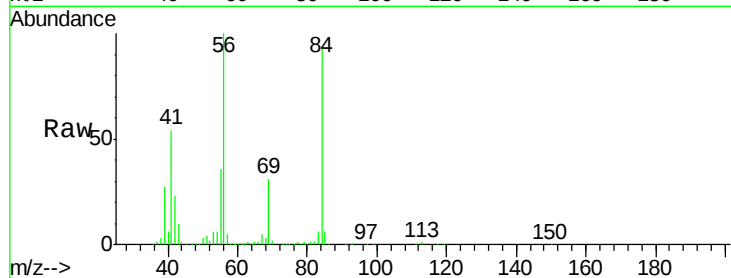
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	167722
Ion	Ratio	Lower	Upper
56	100		
69	30.8	25.9	38.9
84	92.9	78.0	117.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 55.819 ug/l

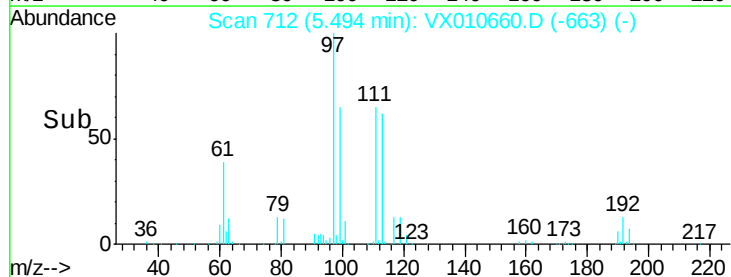
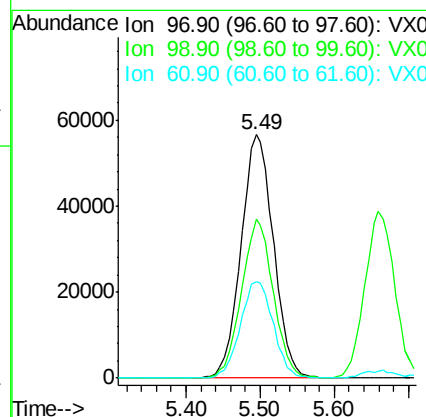
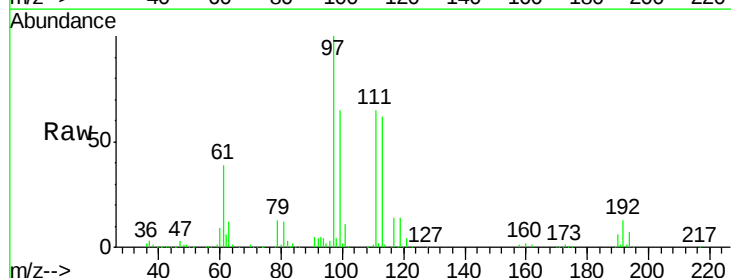
RT: 5.49 min Scan# 712

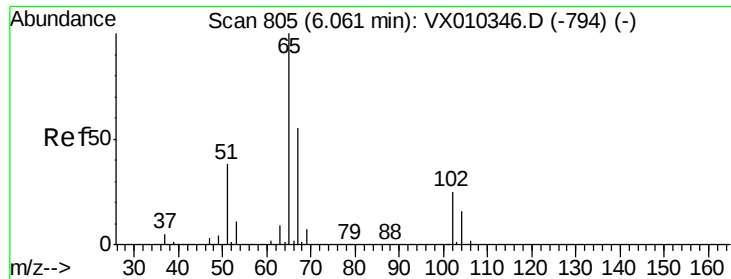
Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Tgt Ion:	97	Resp:	173104
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.8	77.8
61	40.4	32.1	48.1





#33

1,2-Dichloroethane-d4

Concen: 52.000 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 107011

Ion Ratio Lower Upper

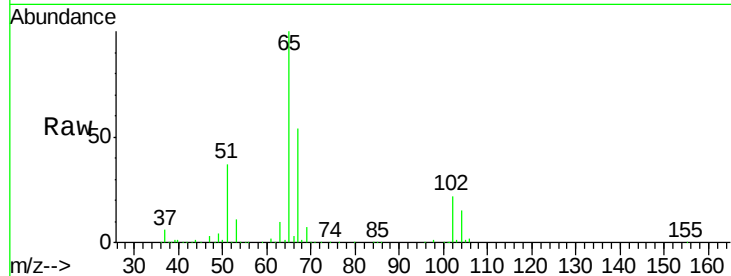
65 100

67 54.3 0.0 110.2

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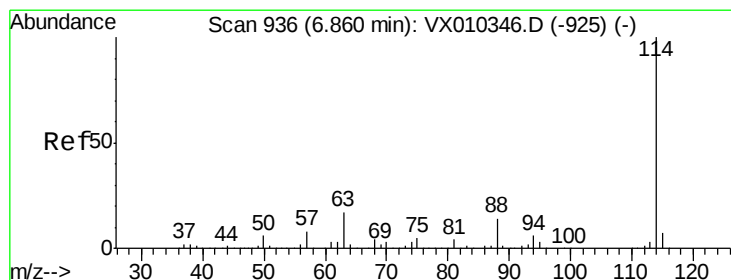
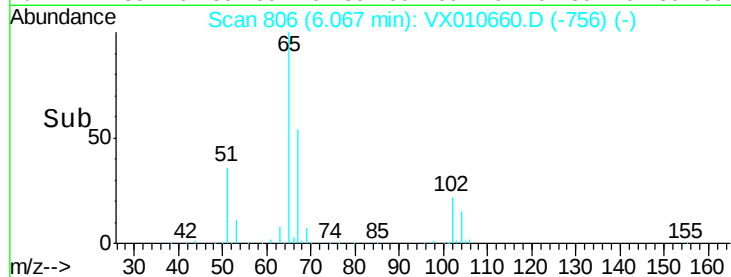
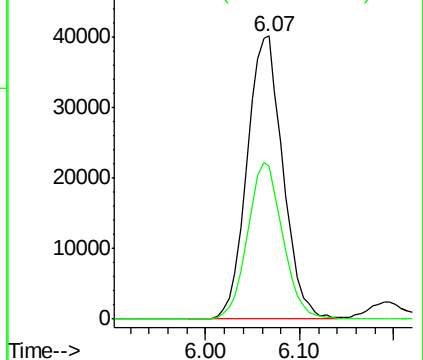
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

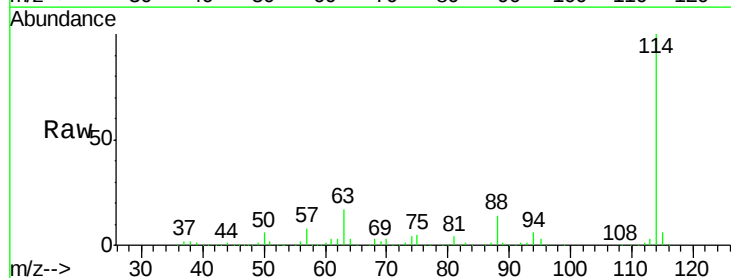
Tgt Ion: 114 Resp: 334759

Ion Ratio Lower Upper

114 100

63 17.2 0.0 33.8

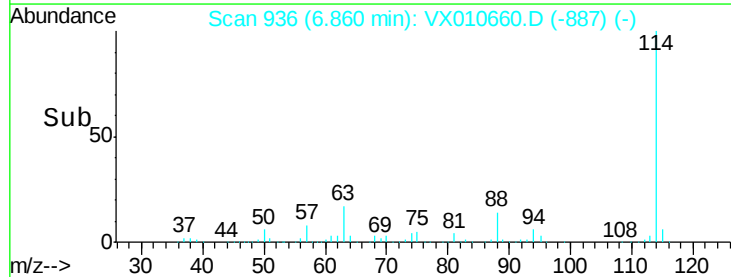
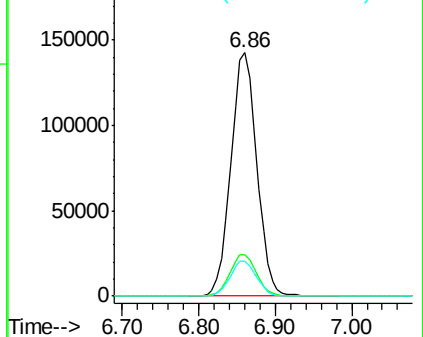
88 14.1 0.0 27.6

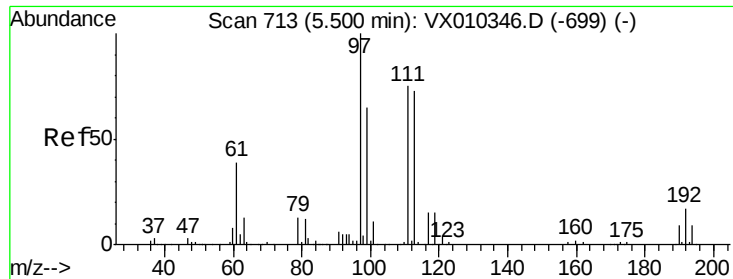


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.913 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

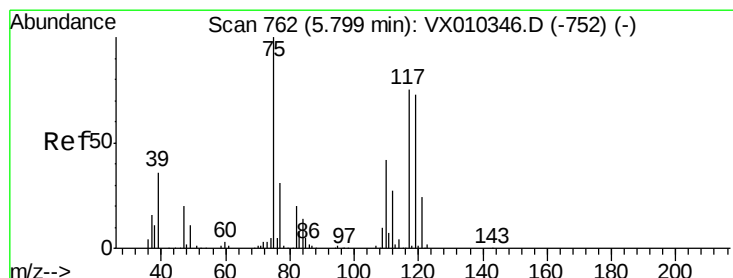
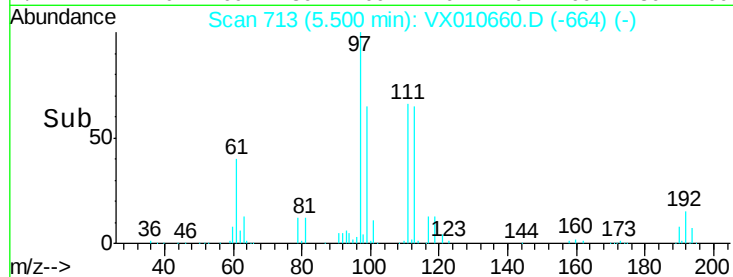
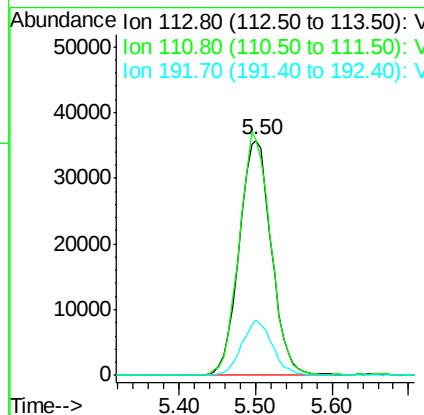
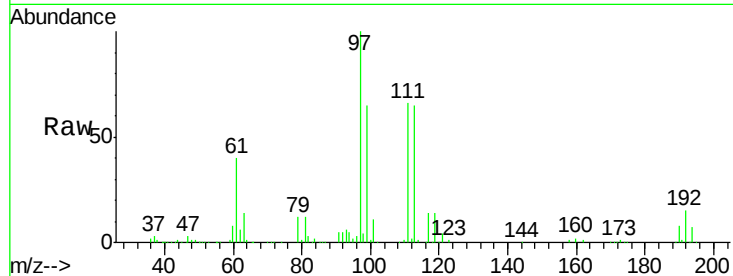
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	104278
Ion Ratio	Lower	Upper	
113	100		
111	100.8	81.2	121.8
192	22.3	18.6	27.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 54.468 ug/l

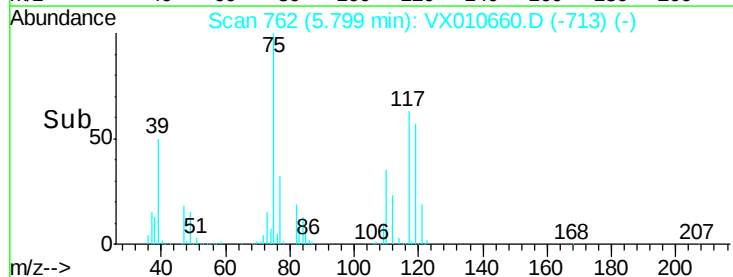
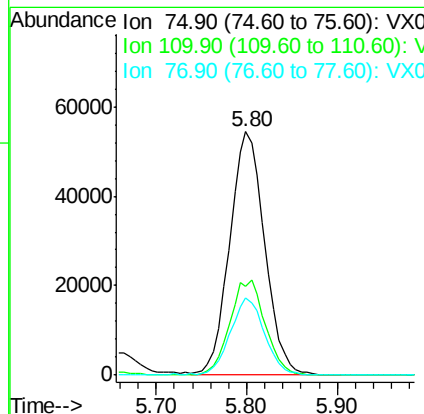
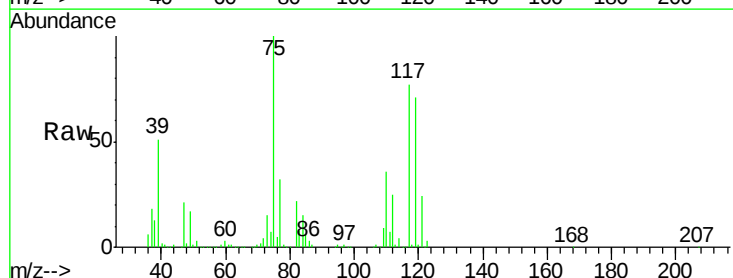
RT: 5.80 min Scan# 762

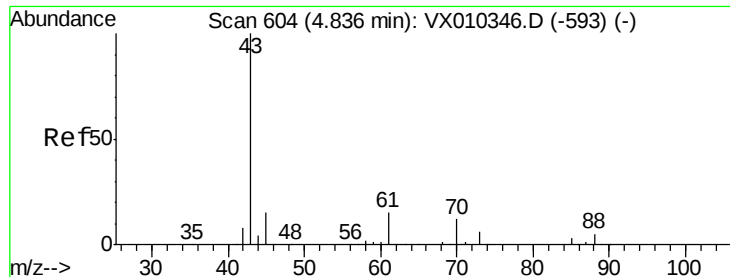
Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Tgt Ion:	75	Resp:	144894
Ion Ratio	Lower	Upper	
75	100		
110	39.8	20.8	62.2
77	31.2	25.4	38.0





#37

Ethyl Acetate

Concen: 53.521 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

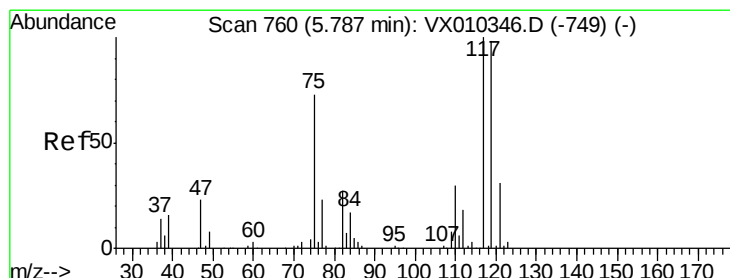
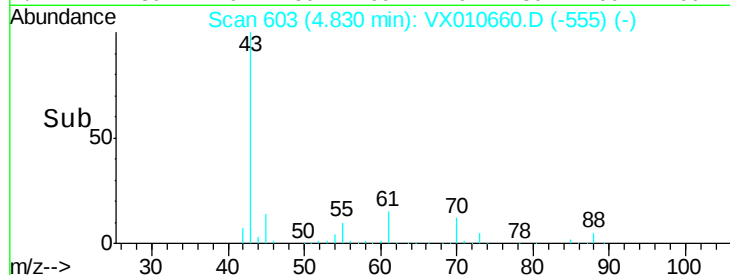
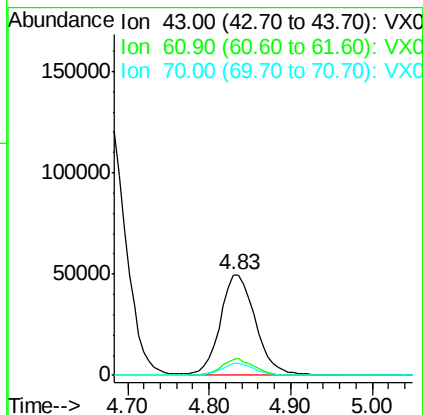
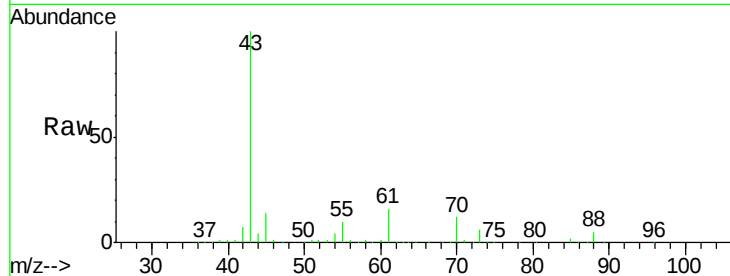
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	146469
Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.4	18.6
70	11.8	9.8	14.8

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 53.274 ug/l

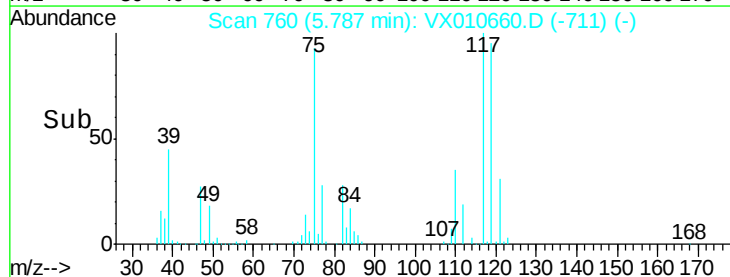
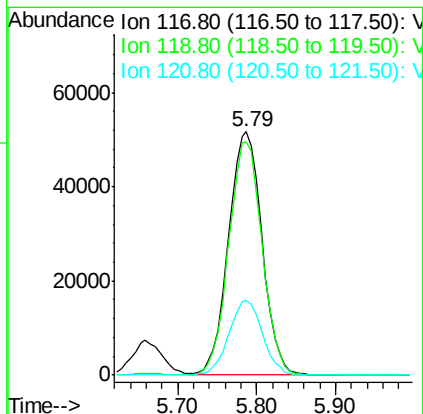
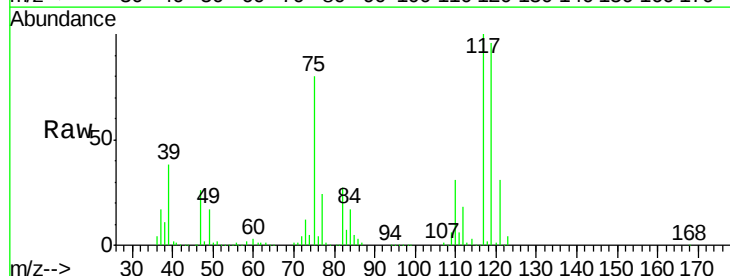
RT: 5.79 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Tgt Ion:	117	Resp:	153462
Ion	Ratio	Lower	Upper
117	100		
119	95.8	78.2	117.4
121	30.7	24.7	37.1





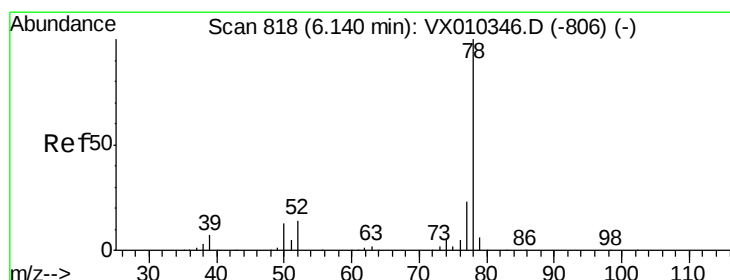
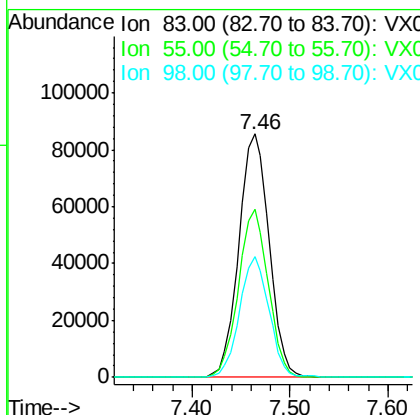
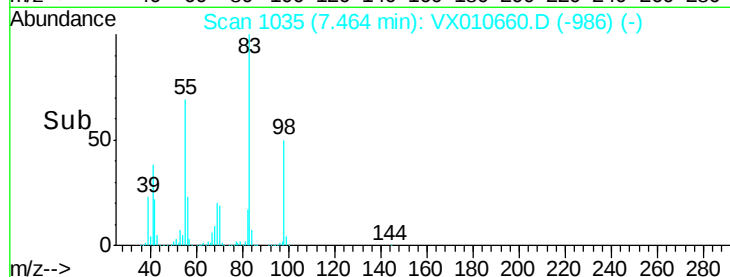
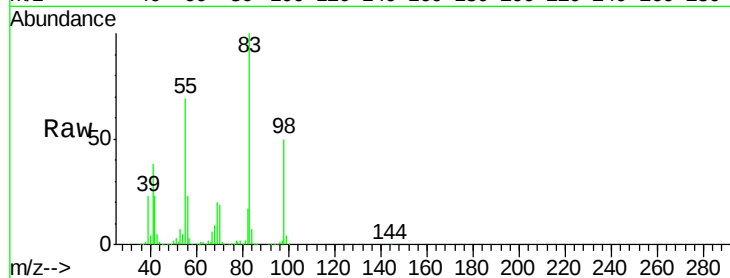
#39
Methvlcvclohexane
Concen: 52.701 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.8	53.0	79.6
98	49.7	37.8	56.8

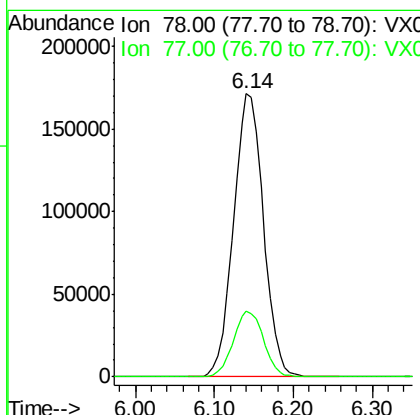
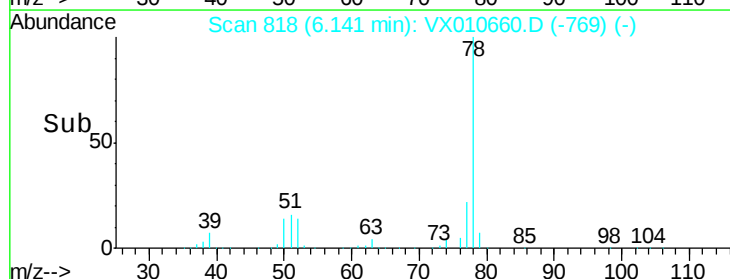
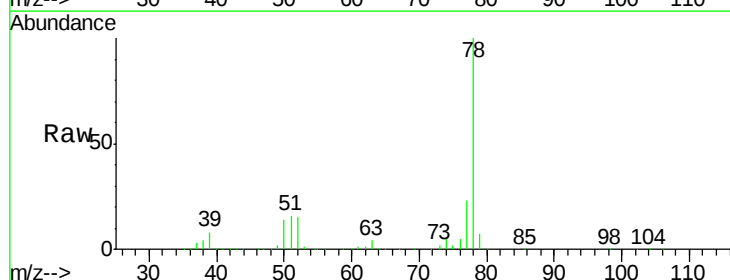
Manual Integrations
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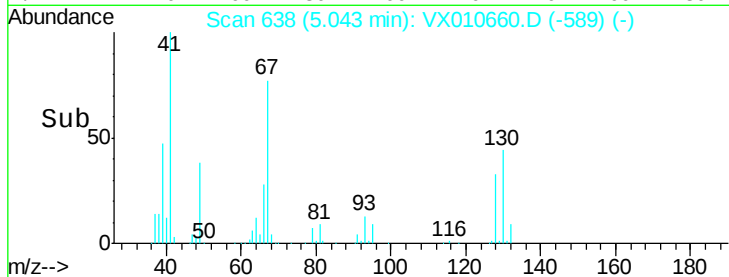
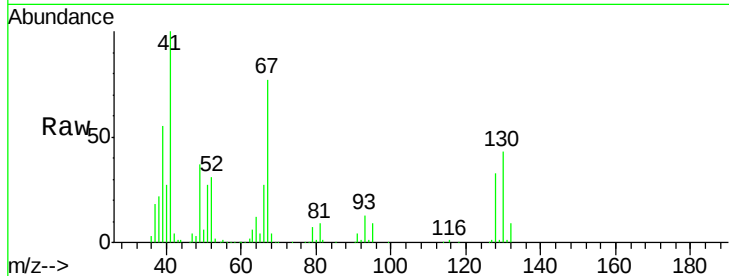
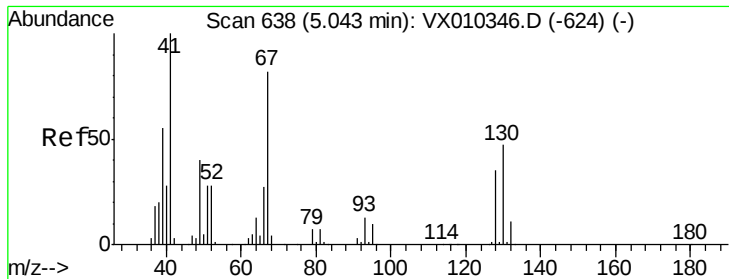
MMDadoda
7/8/2019 2:40:59 PM



#40
Benzene
Concen: 54.462 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.6	28.0





#41

Methacrylonitrile

Concen: 55.909 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Tot Ion	Ion	Ratio	Lower	Upper
83951	41	100		
	39	53.5	43.8	65.8
	67	78.9	66.6	100.0
	52	31.9	24.5	36.7

Instrument :

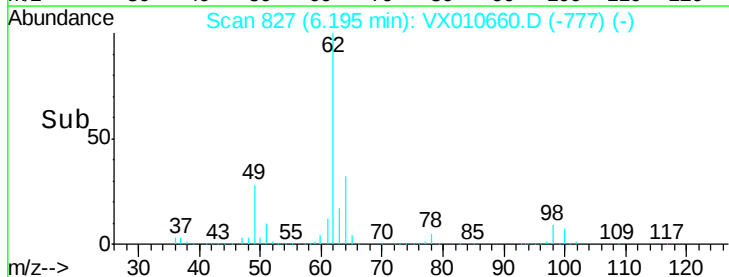
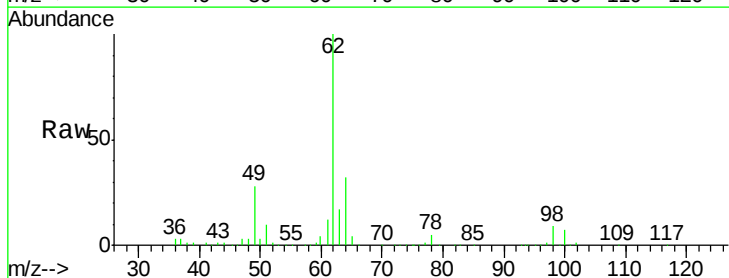
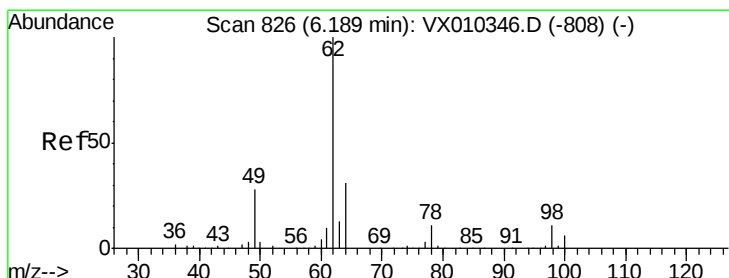
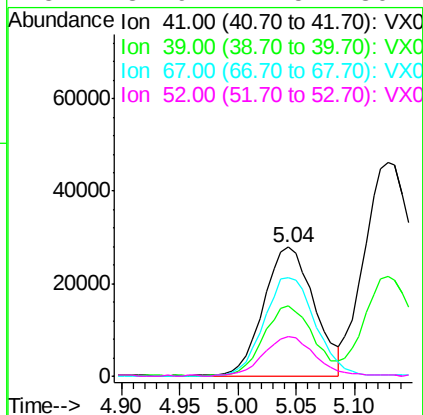
MSVOA_X

ClientSampleId :

VSTDCCC050EC

Manual Integrations
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7/8/2019 2:40:59 PM



#42

1,2-Dichloroethane

Concen: 58.783 ug/l

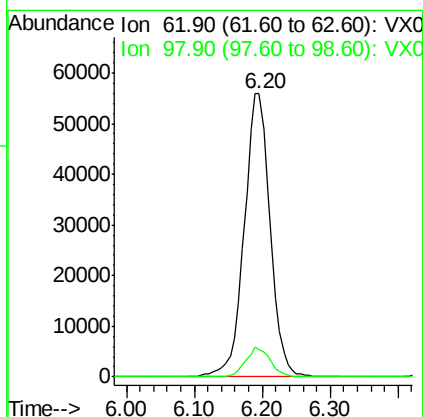
RT: 6.20 min Scan# 827

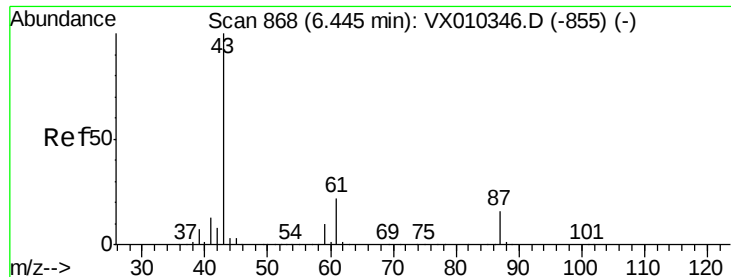
Delta R.T. 0.01 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Tgt Ion	Ion	Ratio	Lower	Upper
148296	62	100		
	98	10.0	0.0	22.2





#43

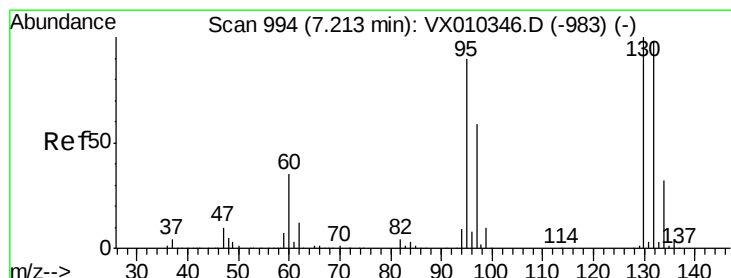
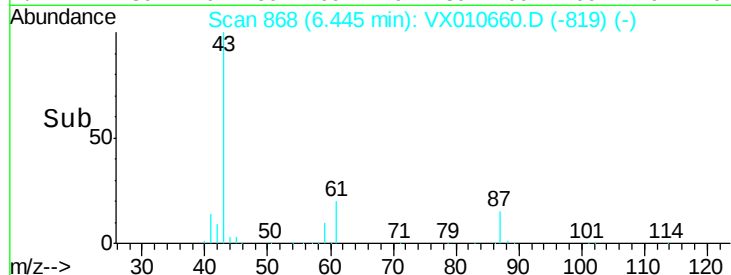
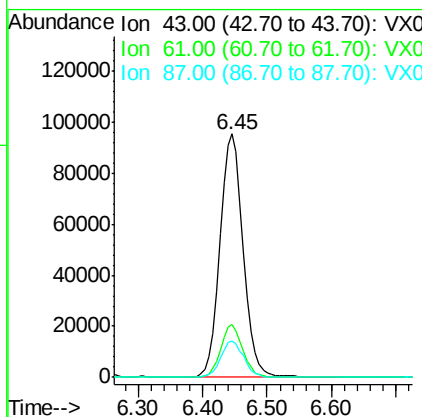
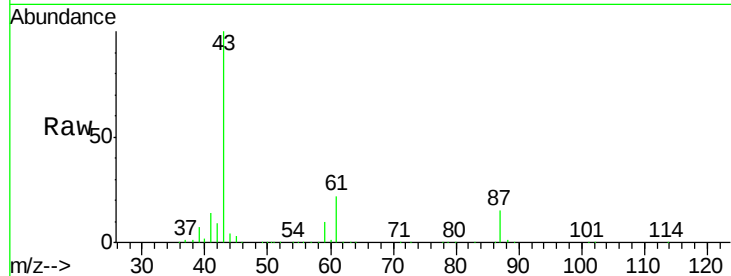
Isopropyl Acetate
 Concen: 53.284 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.8	17.8	26.6
87	15.1	13.0	19.4

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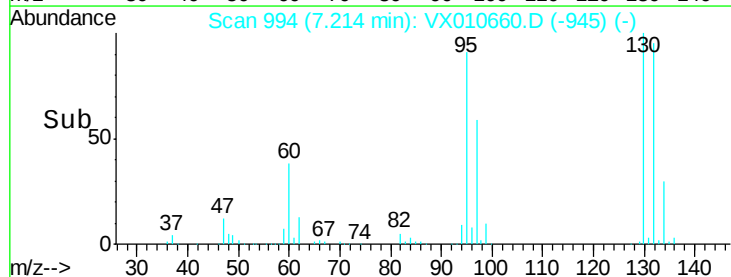
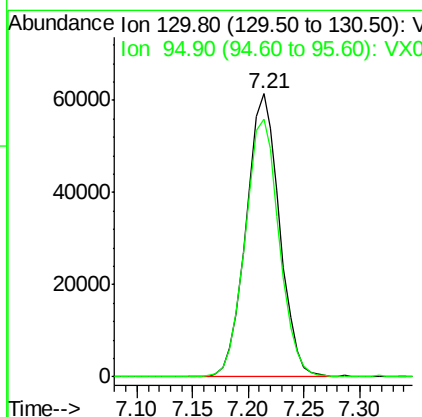
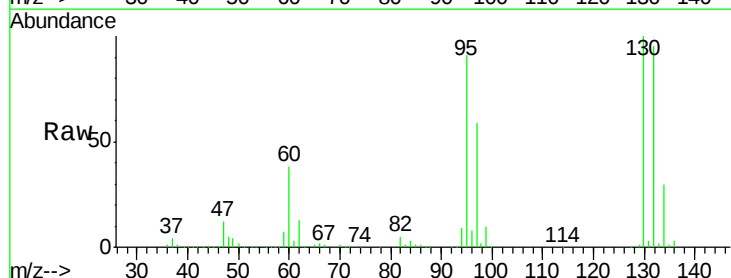
MMDadoda
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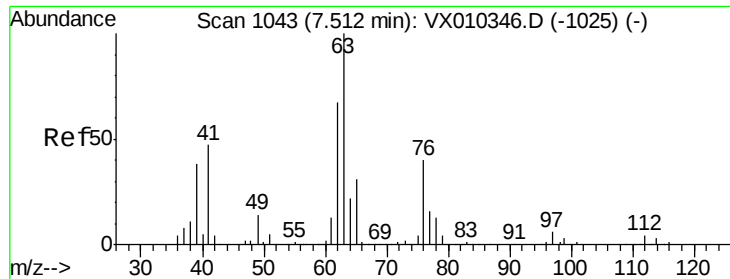


#44

Trichloroethene
 Concen: 51.713 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.9	0.0	180.8





#45

1,2-Dichloropropane

Concen: 54.033 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 113085

Ion Ratio Lower Upper

63 100

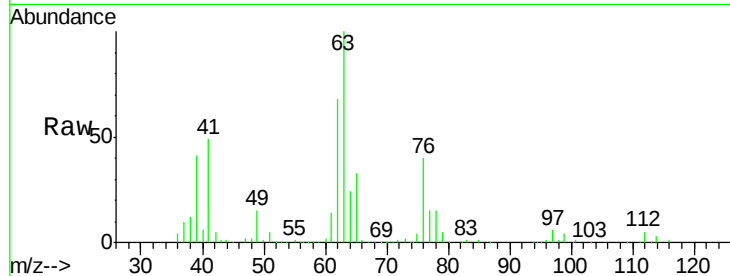
65 32.5 24.8 37.2

Manual Integrations

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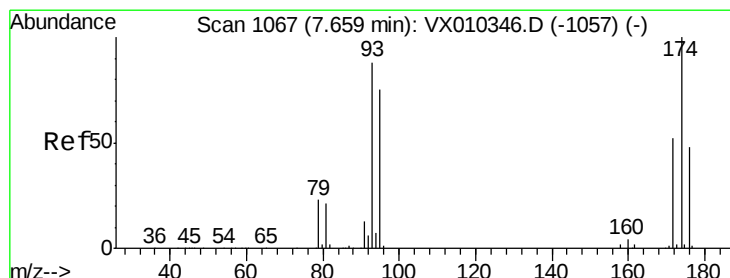
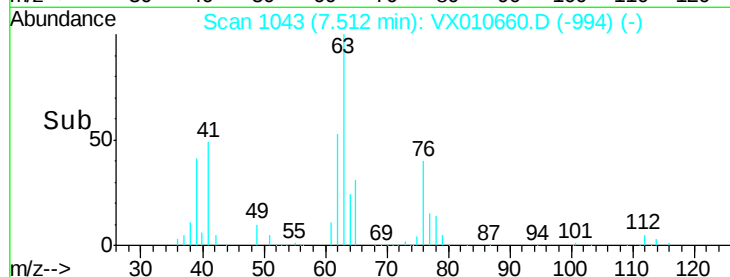
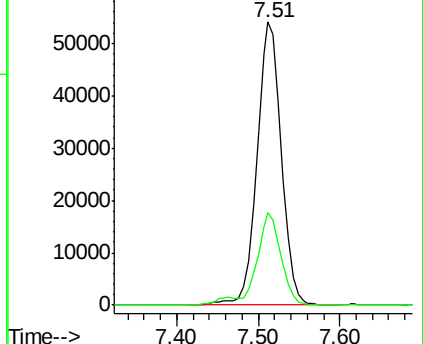
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 55.100 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

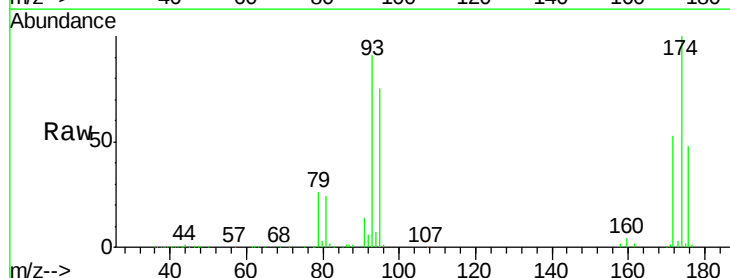
Tgt Ion: 93 Resp: 82738

Ion Ratio Lower Upper

93 100

95 83.0 67.5 101.3

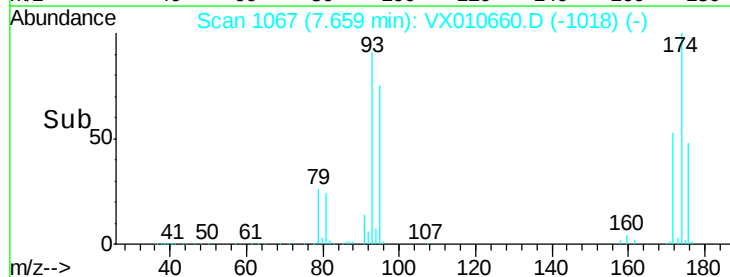
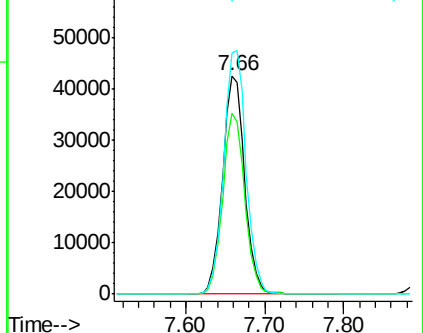
174 113.2 95.8 143.6

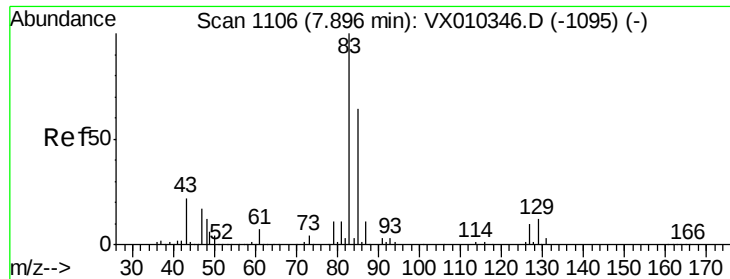


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 53.864 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

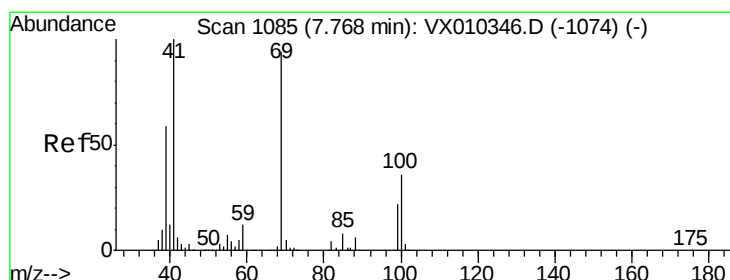
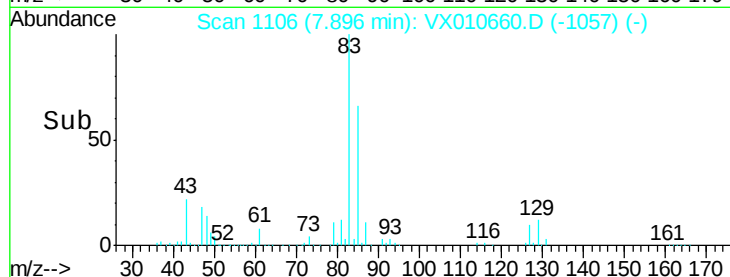
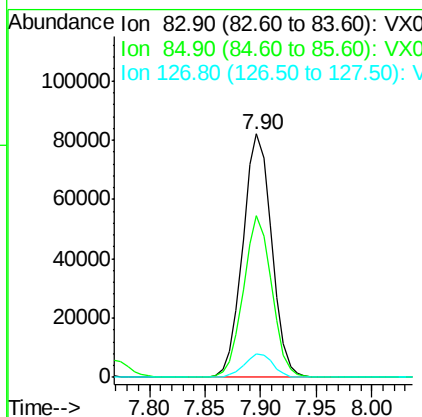
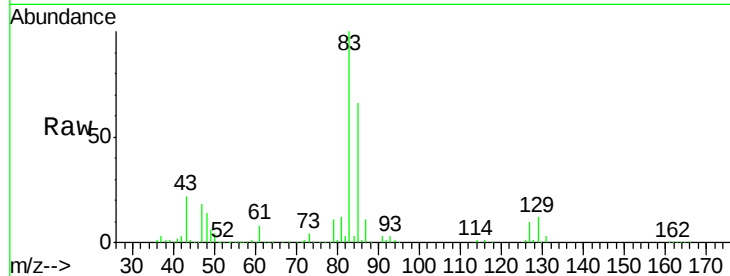
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	148225
Ion Ratio	Lower	Upper	
83	100		
85	66.1	51.5	77.3
127	9.5	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 57.143 ug/l

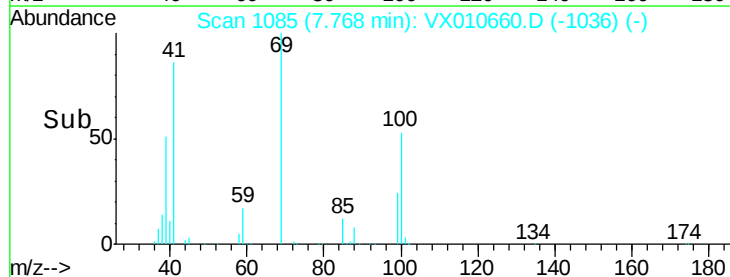
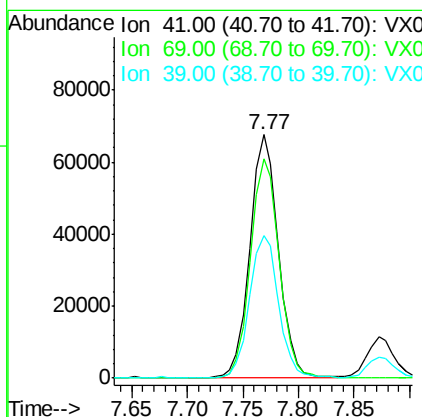
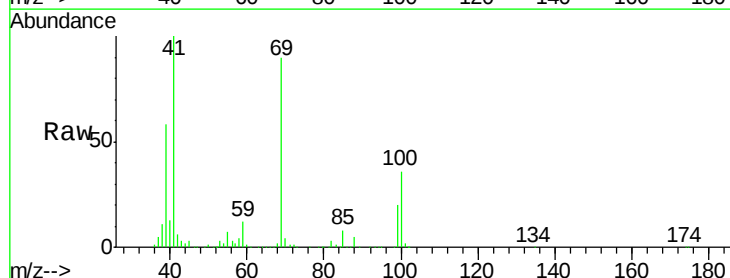
RT: 7.77 min Scan# 1085

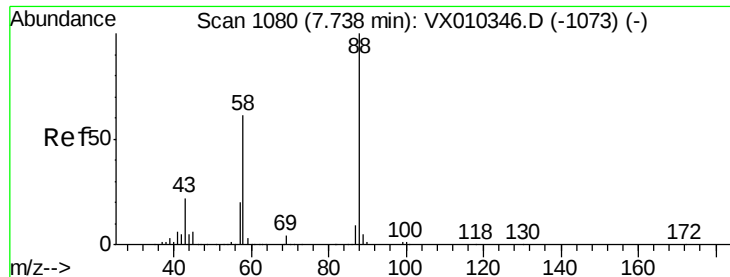
Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Tgt Ion:	41	Resp:	120262
Ion Ratio	Lower	Upper	
41	100		
69	91.8	76.1	114.1
39	59.2	47.6	71.4





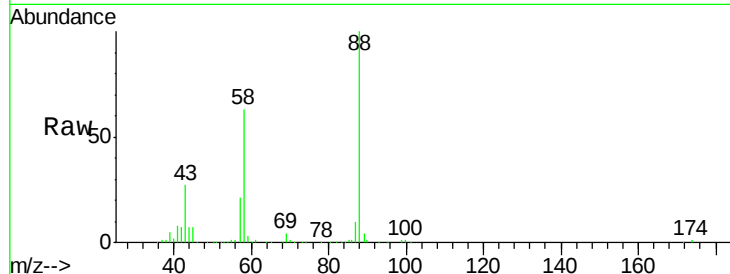
#49
 1,4-Dioxane
 Concen: 909.008 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.4	20.2	30.2
58	63.5	49.5	74.3

Manual Integrations
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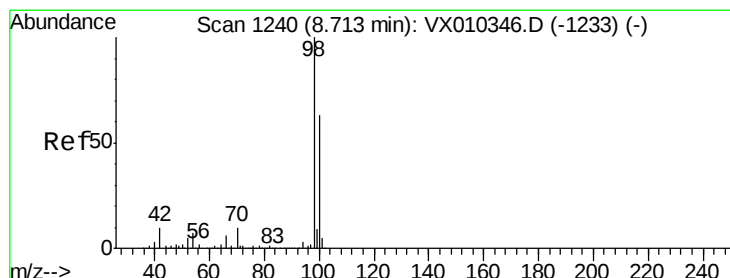
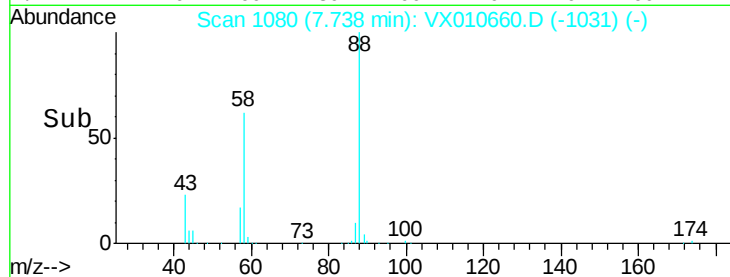
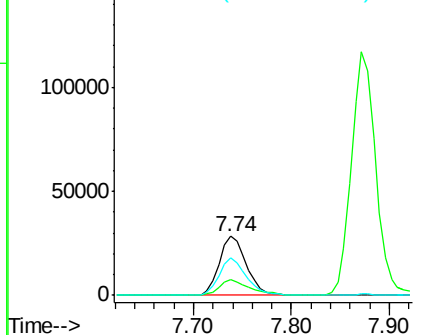


Abundance

Ion 88.00 (87.70 to 88.70): VX0

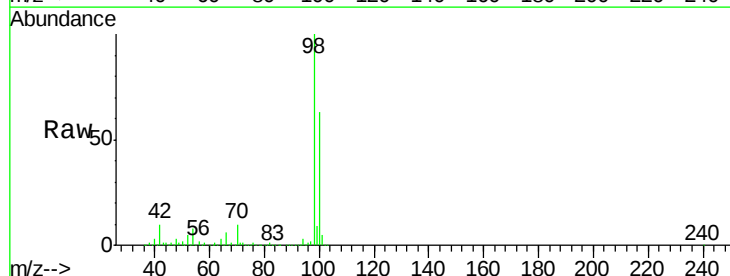
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
 Toluene-d8
 Concen: 48.125 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

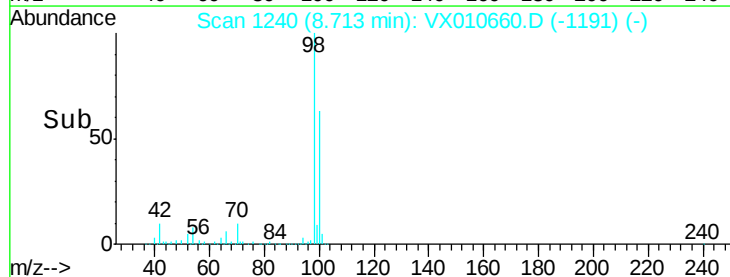
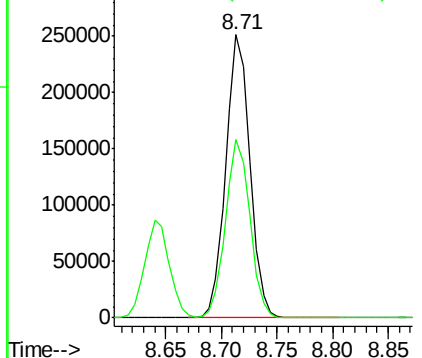
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.6	77.4



Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 271.700 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 786790

Ion Ratio Lower Upper

43 100

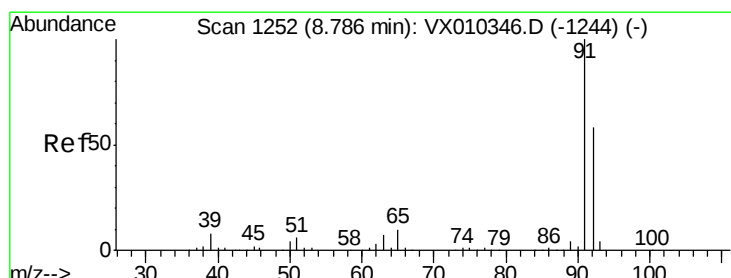
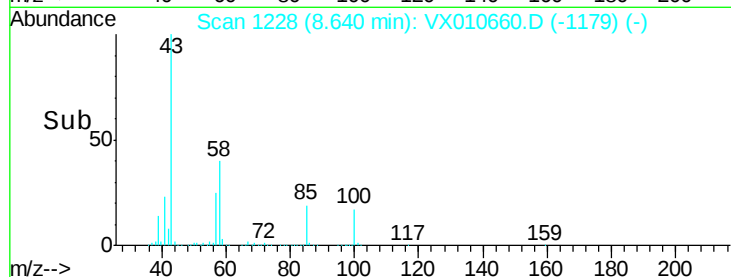
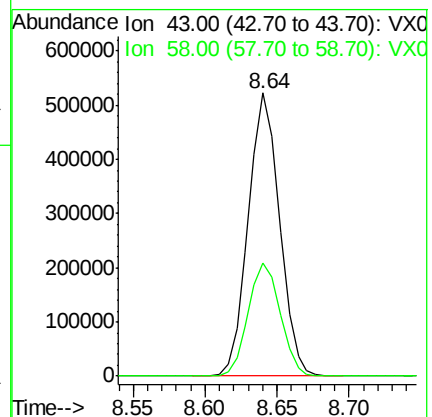
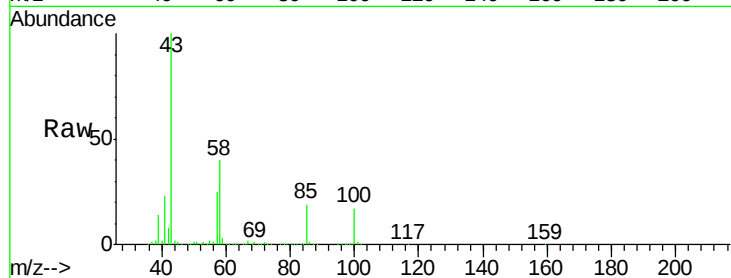
58 40.7 33.5 50.3

Manual Integrations

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7/8/2019 2:40:59 PM



#52

Toluene

Concen: 53.841 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010660.D

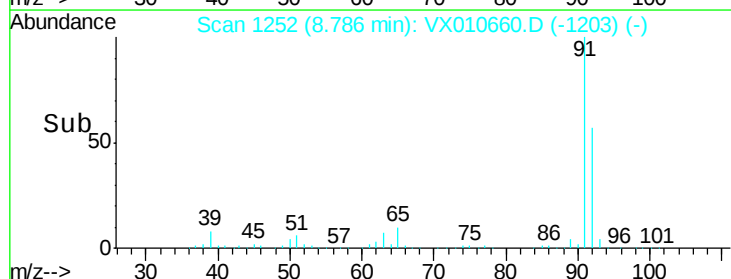
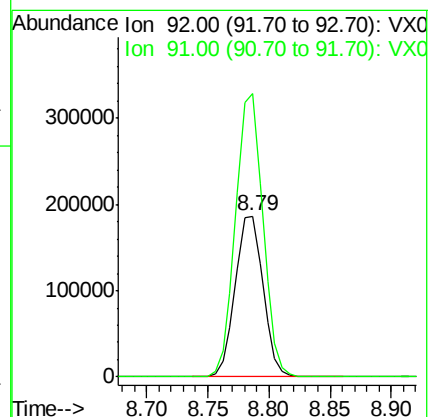
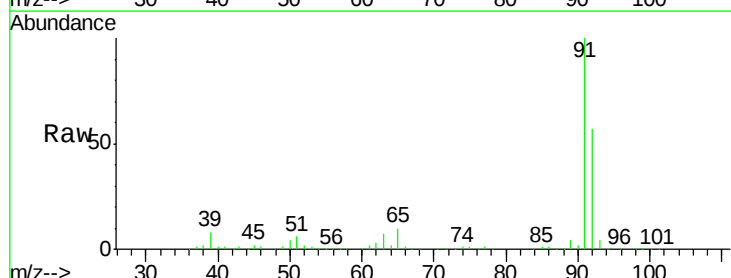
Acq: 03 Jul 2019 23:02

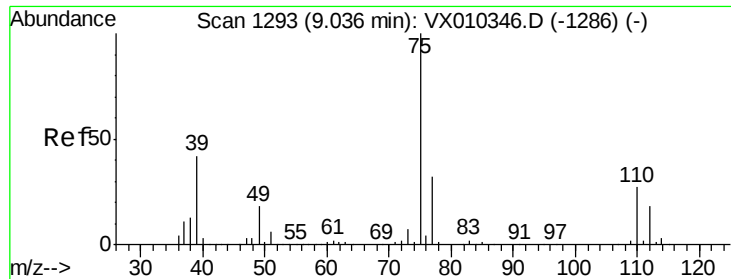
Tgt Ion: 92 Resp: 293850

Ion Ratio Lower Upper

92 100

91 173.2 139.8 209.6





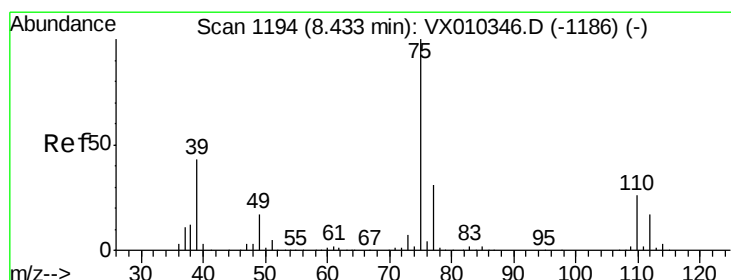
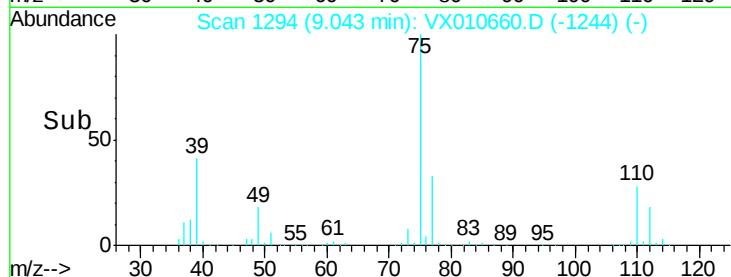
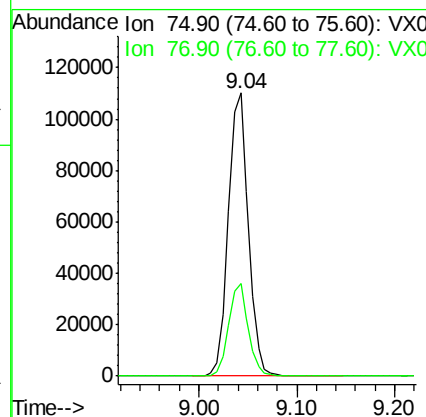
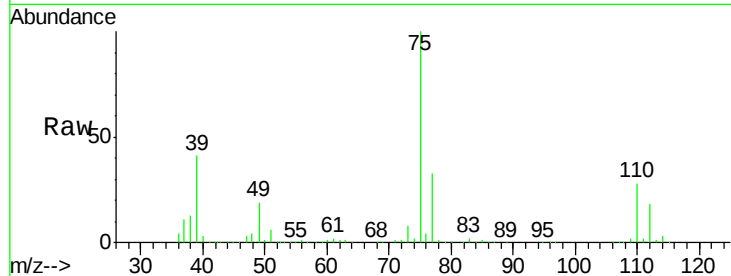
#53
t-1,3-Dichloropropene
Concen: 50.775 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 156653
Ion Ratio Lower Upper
75 100
77 32.7 25.4 38.2

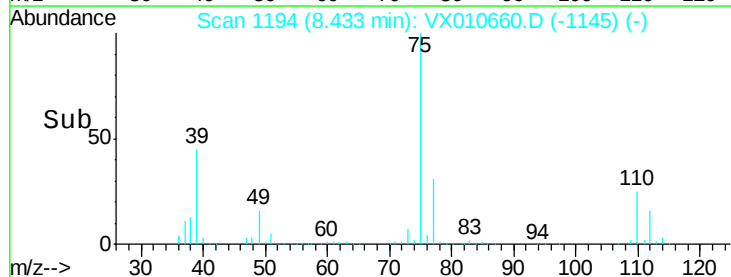
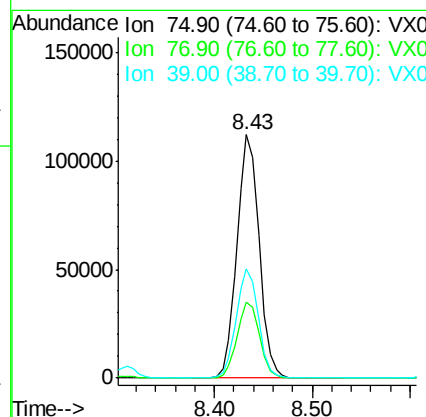
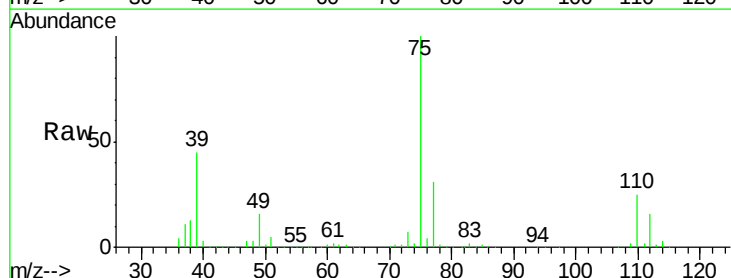
Manual Integrations
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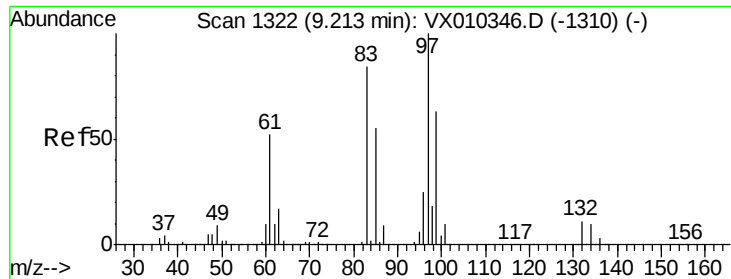
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#54
cis-1,3-Dichloropropene
Concen: 52.686 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Tgt Ion: 75 Resp: 176643
Ion Ratio Lower Upper
75 100
77 31.2 25.2 37.8
39 44.6 34.5 51.7





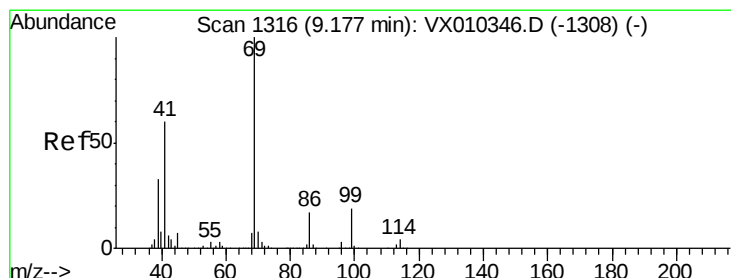
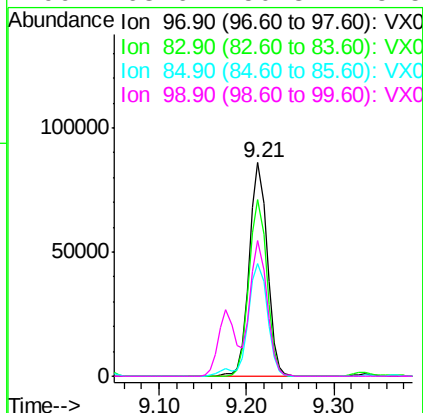
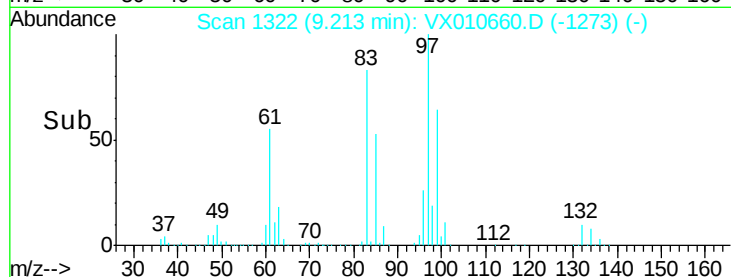
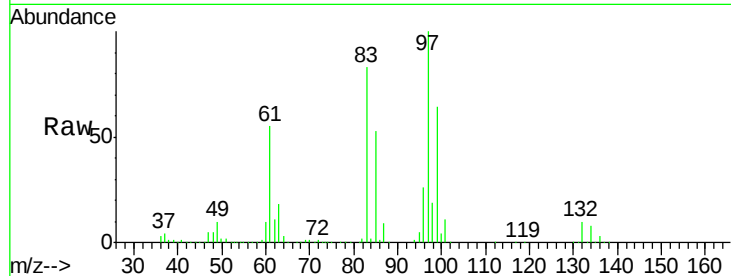
#55
 1,1,2-Trichloroethane
 Concen: 54.223 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.5	67.4	101.0
85	53.0	43.8	65.8
99	63.6	50.3	75.5

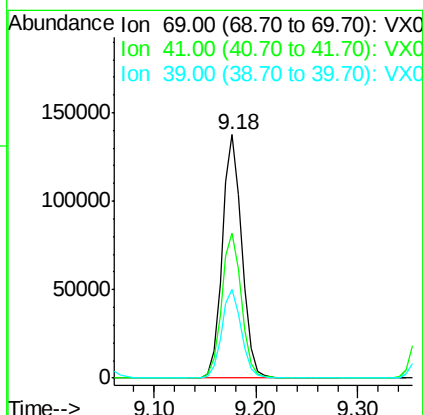
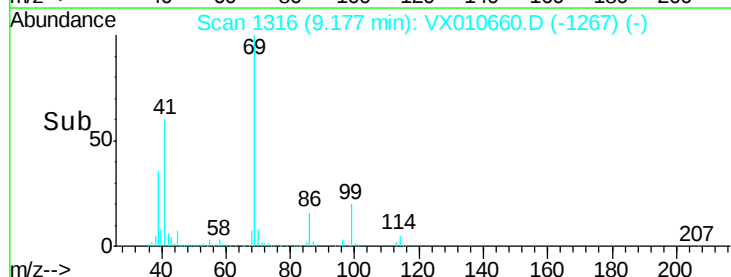
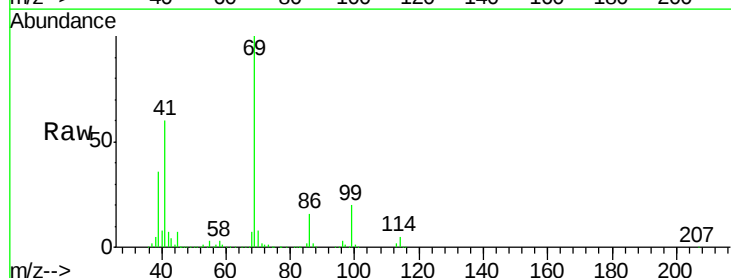
Manual Integrations
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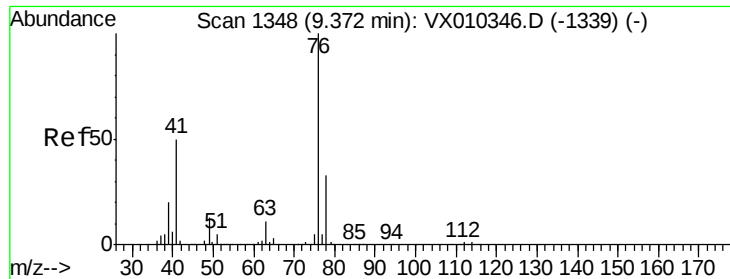
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#56
 Ethyl methacrylate
 Concen: 53.832 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.2	47.1	70.7
39	36.5	26.6	40.0





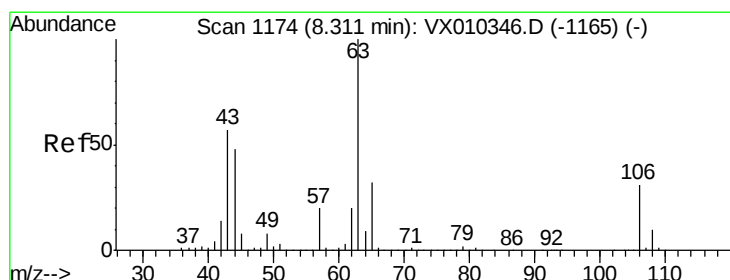
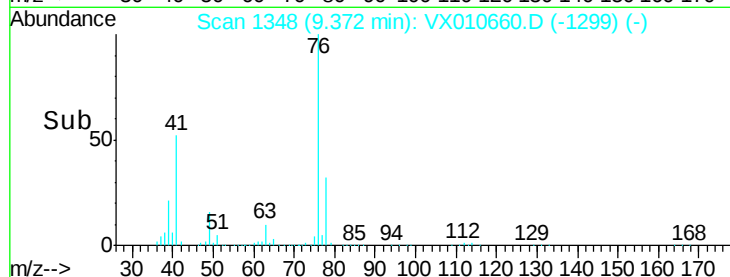
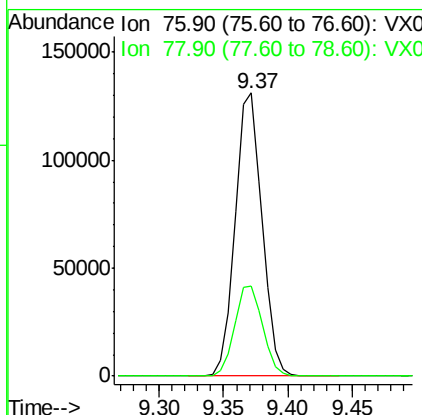
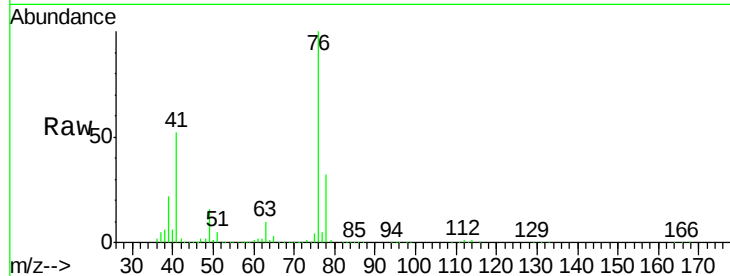
#57
 1,3-Dichloropropane
 Concen: 54.458 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 190280
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.1 39.1

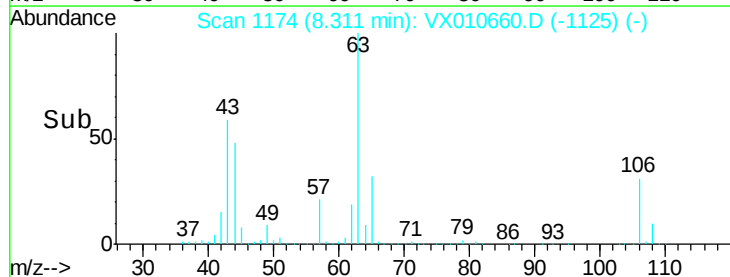
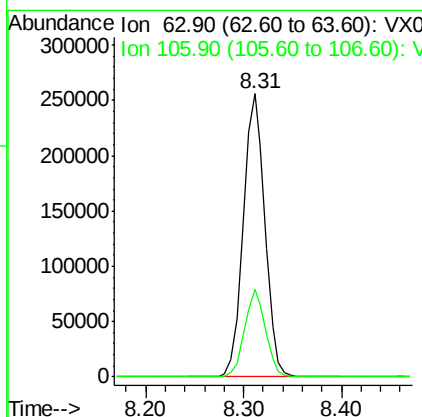
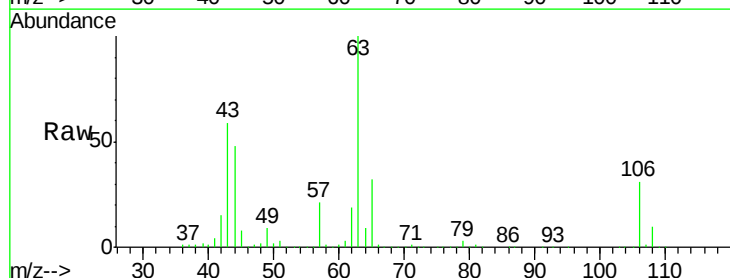
Manual Integrations
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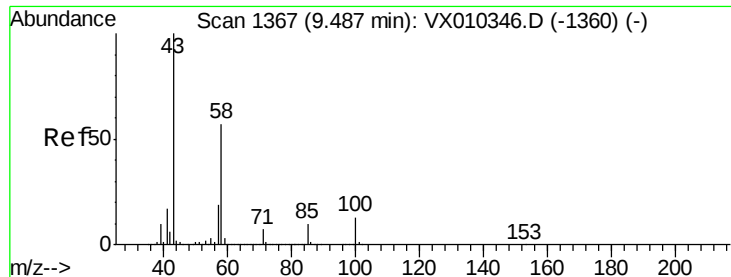
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#58
 2-Chloroethyl Vinyl ether
 Concen: 240.775 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Tgt Ion: 63 Resp: 389914
 Ion Ratio Lower Upper
 63 100
 106 29.8 24.7 37.1





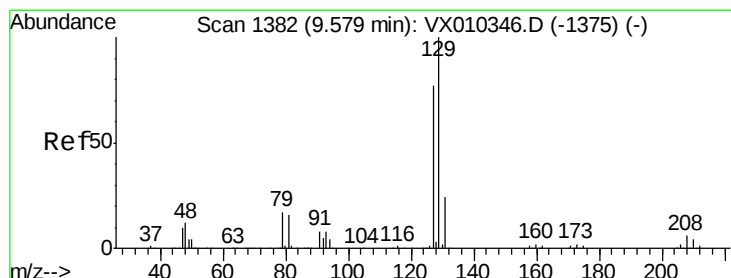
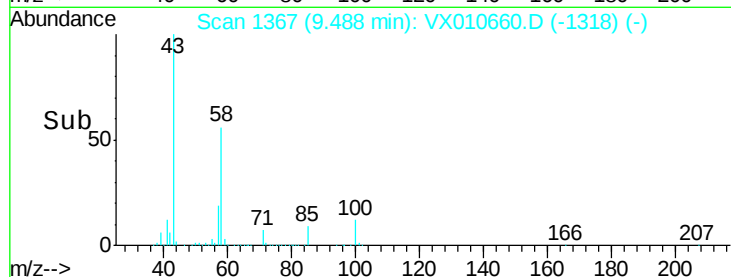
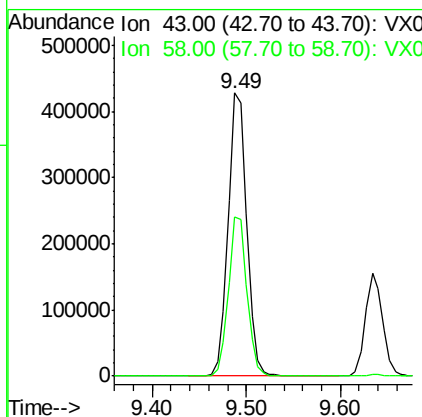
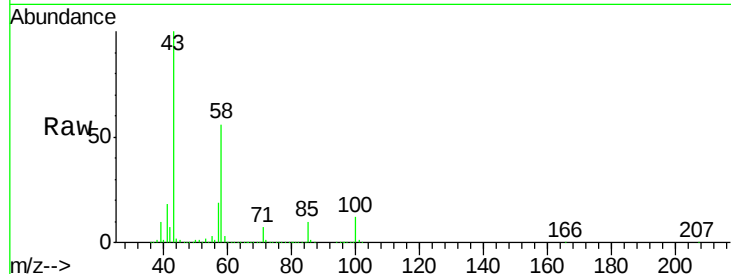
#59
2-Hexanone
Concen: 257.462 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 586782
Ion Ratio Lower Upper
43 100
58 56.3 29.0 87.1

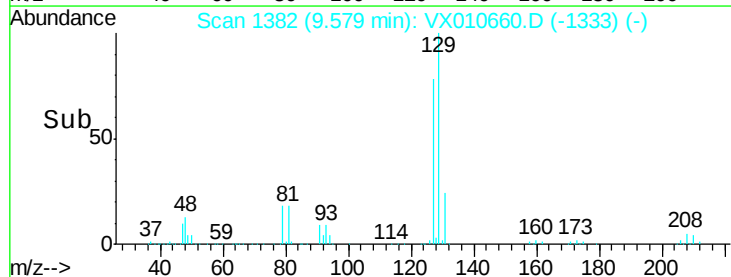
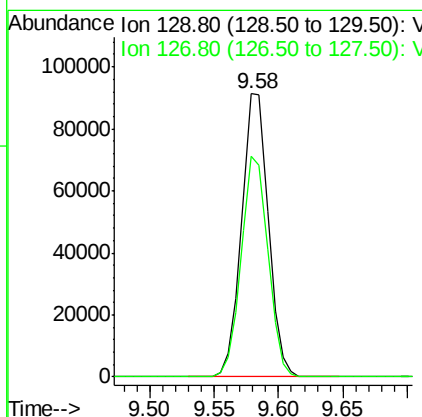
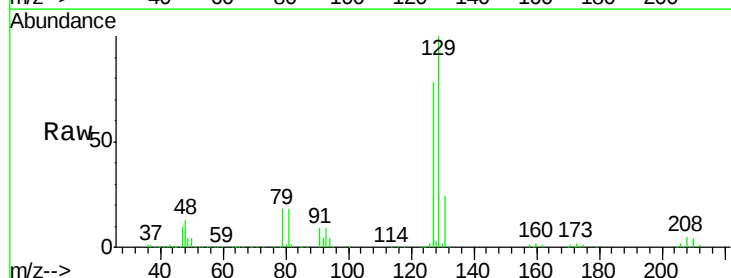
Manual Integrations
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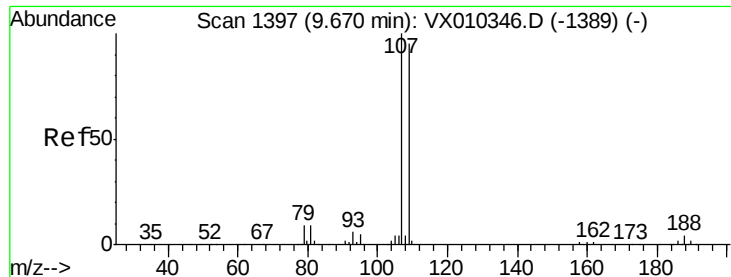
MMDadoda
7/8/2019 2:40:59 PM



#60
Dibromochloromethane
Concen: 52.073 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Tgt Ion: 129 Resp: 131237
Ion Ratio Lower Upper
129 100
127 78.1 38.4 115.1





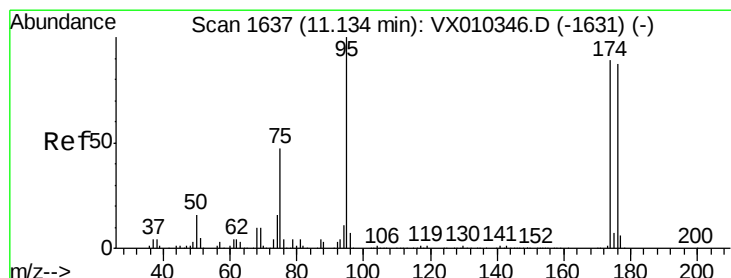
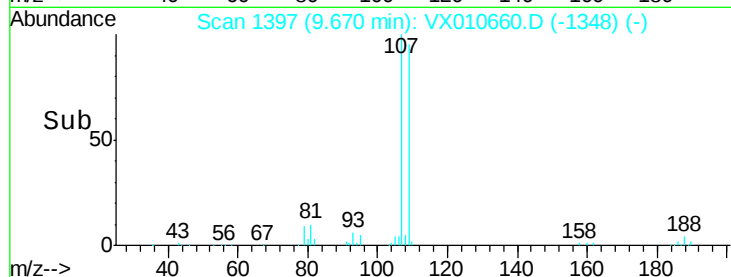
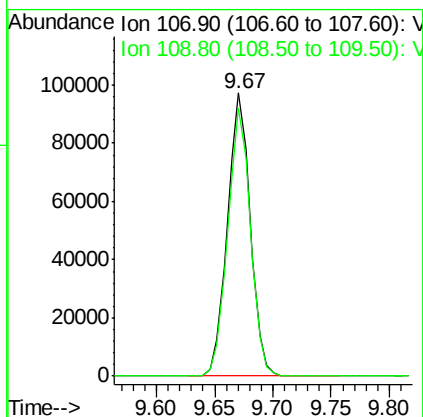
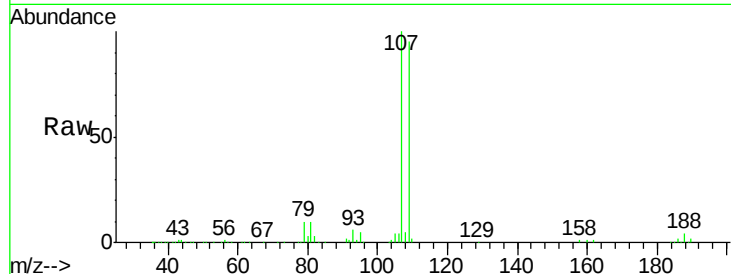
#61
 1,2-Dibromoethane
 Concen: 54.642 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.8	113.6

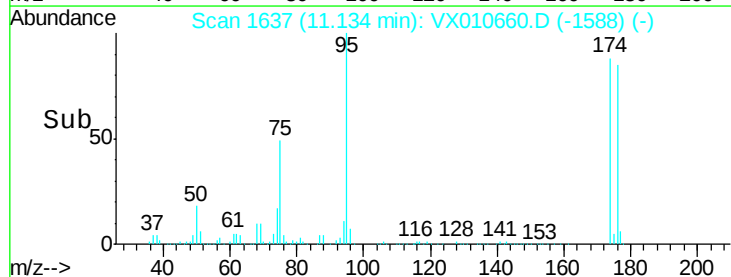
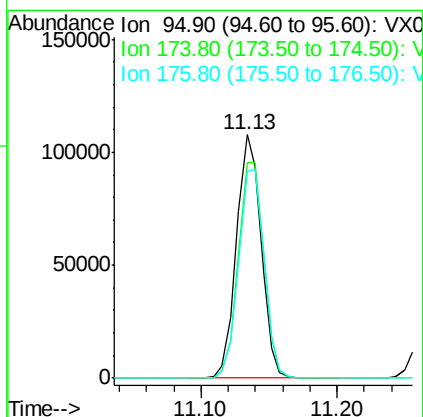
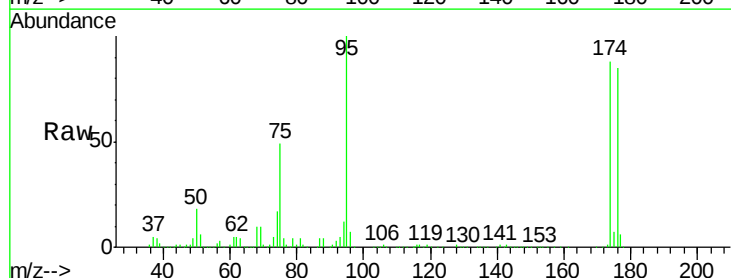
Manual Integrations
 APPROVED

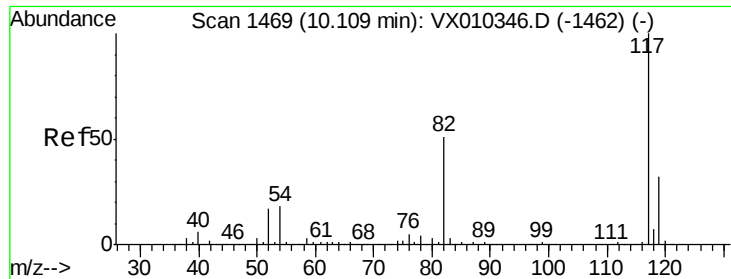
MMDadoda
 7/8/2019 2:40:59 PM



#62
 4-Bromofluorobenzene
 Concen: 48.031 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.2	0.0	187.6
176	89.0	0.0	184.0





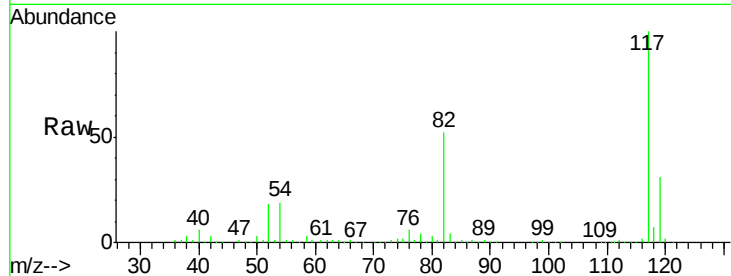
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	41.2	61.8
119	31.2	25.5	38.3

Manual Integrations
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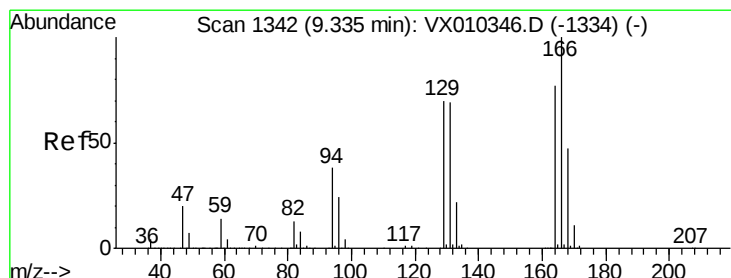
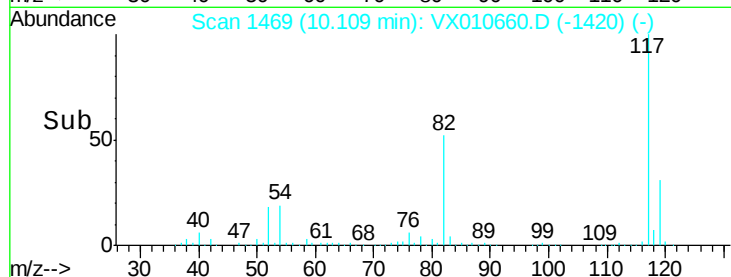
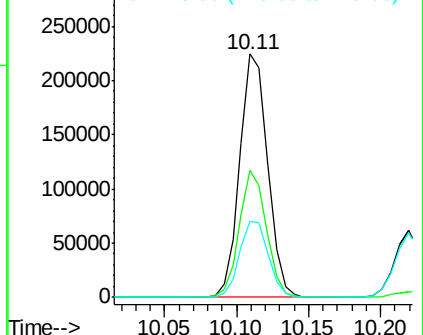


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 47.707 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.4	103.6	155.4
129	93.9	73.0	109.4
131	91.7	71.0	106.4

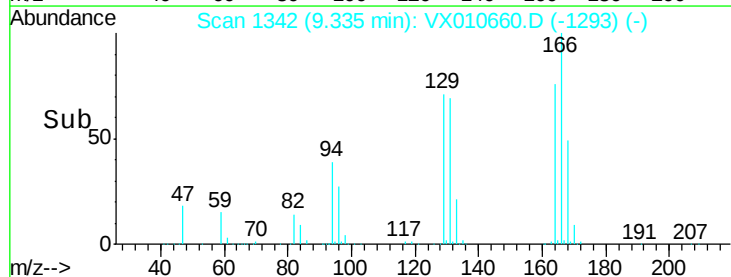
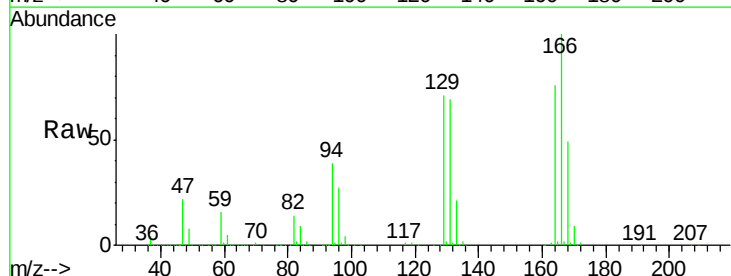
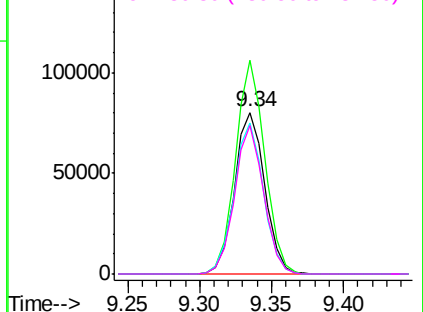
Abundance

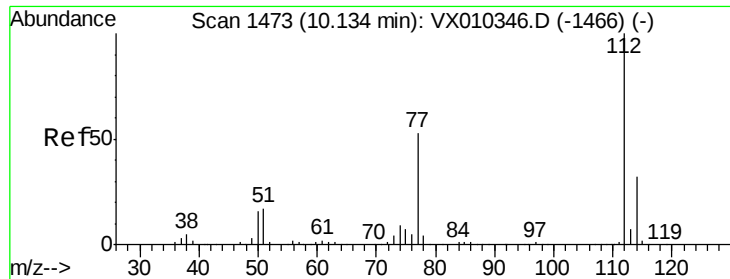
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 53.106 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 325768

Ion Ratio Lower Upper

112 100

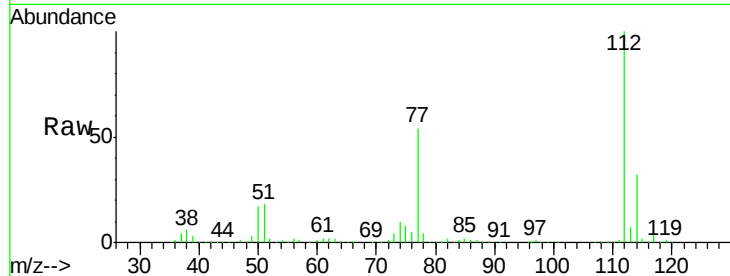
114 32.2 25.4 38.2

Manual Integrations

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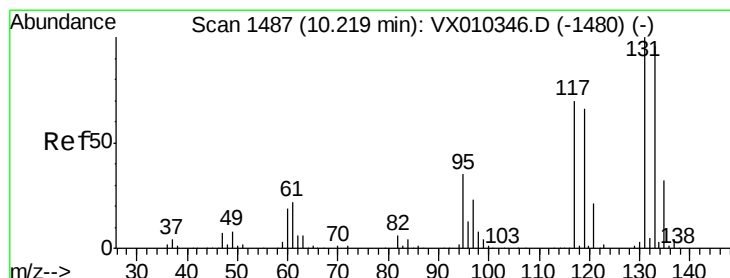
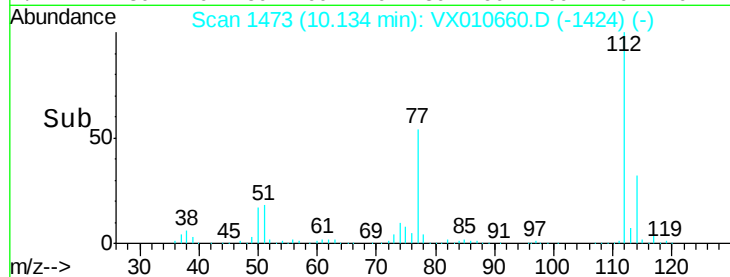
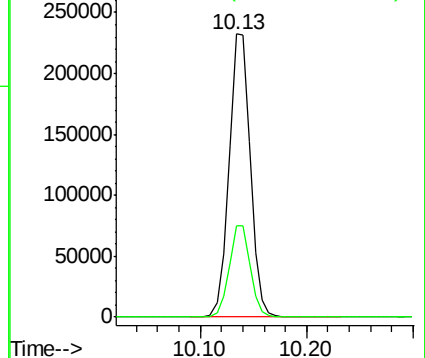
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.636 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

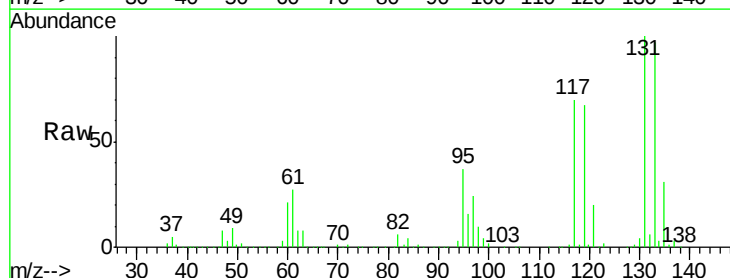
Tgt Ion:131 Resp: 119844

Ion Ratio Lower Upper

131 100

133 96.4 47.7 143.1

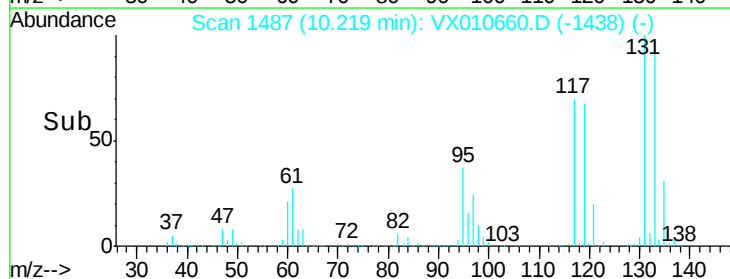
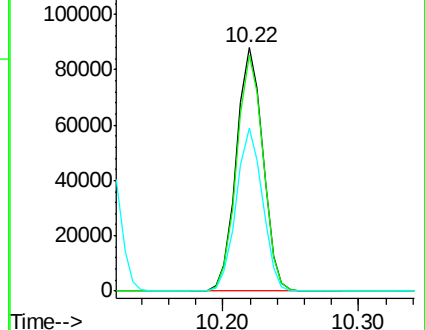
119 66.2 32.6 97.7

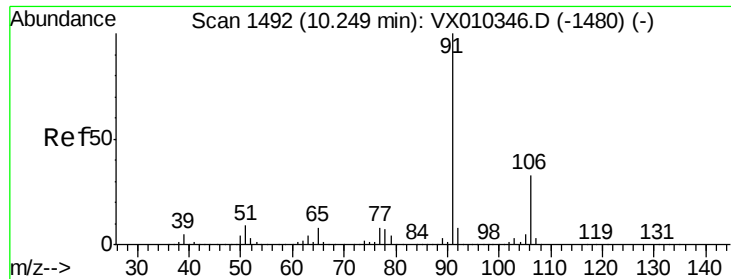


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 54.157 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 560849

Ion Ratio Lower Upper

91 100

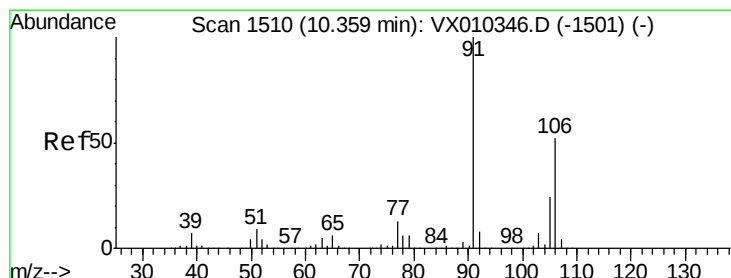
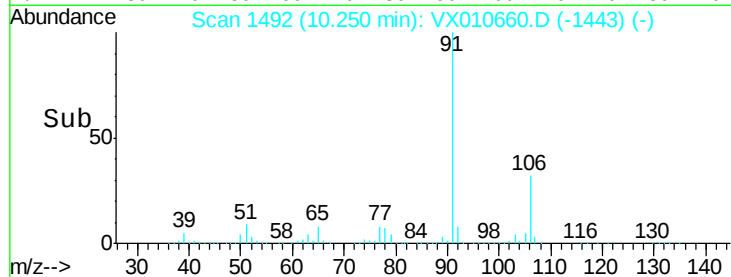
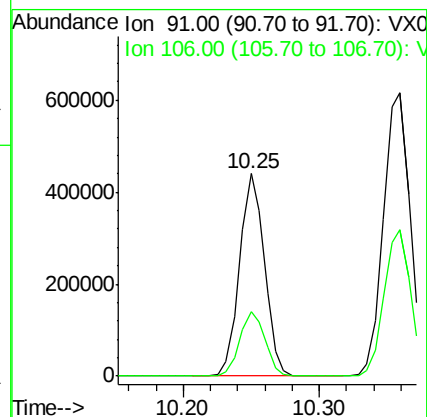
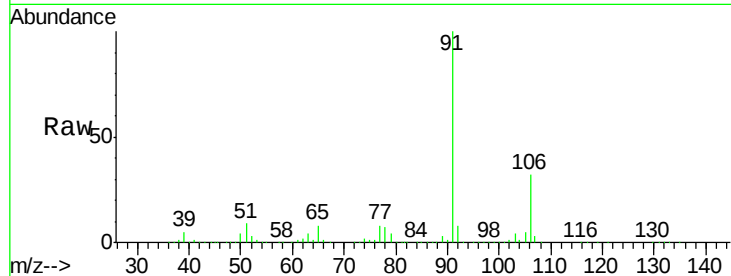
106 31.8 26.2 39.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 107.359 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010660.D

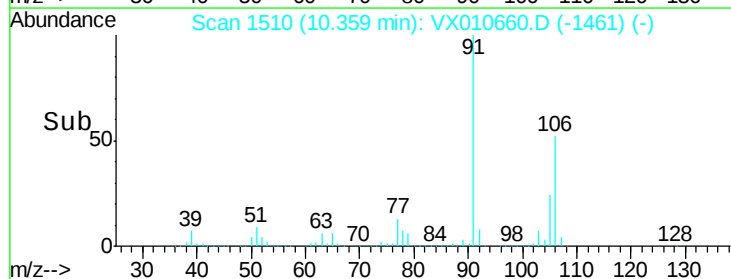
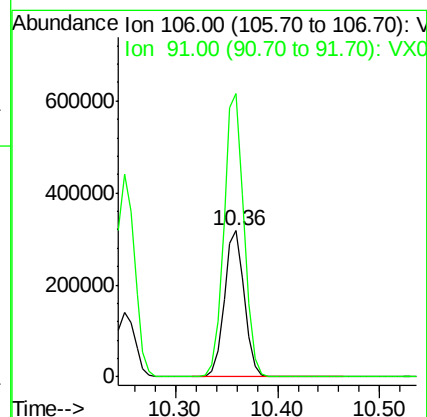
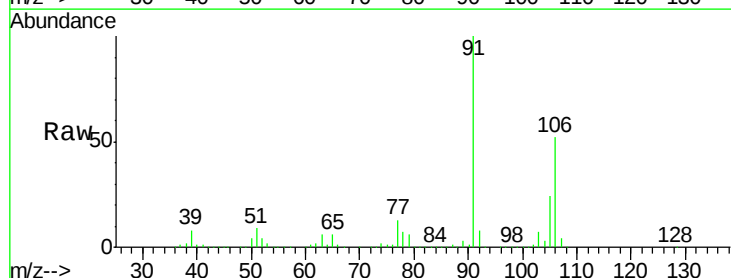
Acq: 03 Jul 2019 23:02

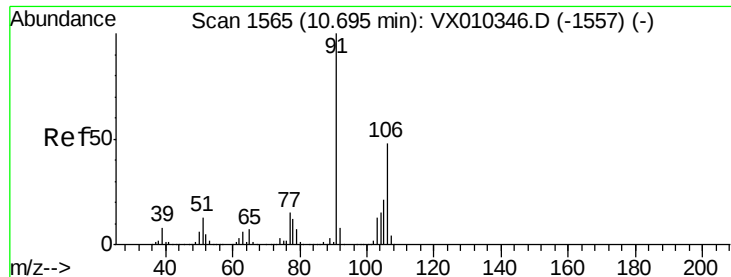
Tgt Ion: 106 Resp: 430795

Ion Ratio Lower Upper

106 100

91 195.2 155.3 232.9





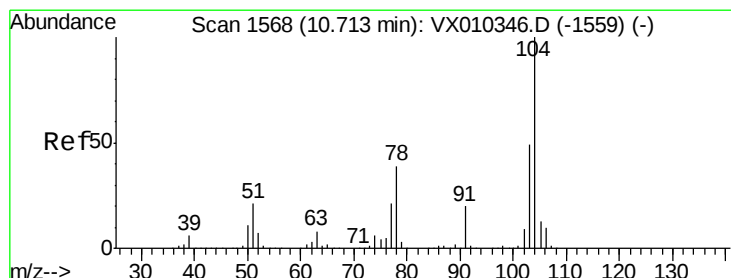
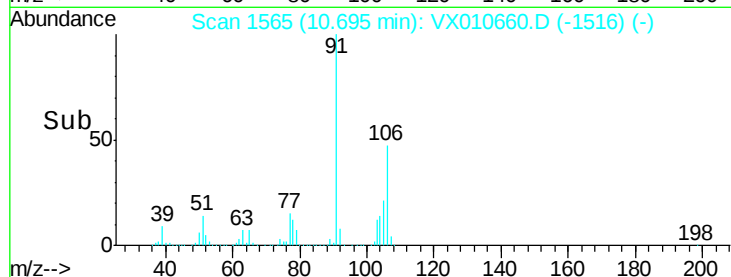
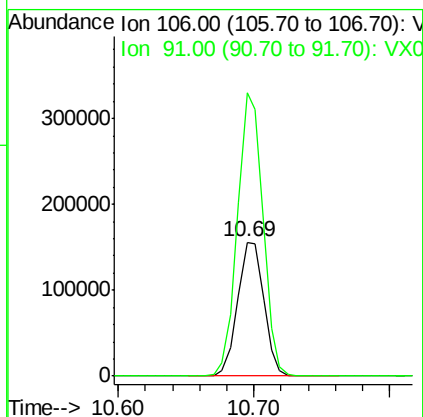
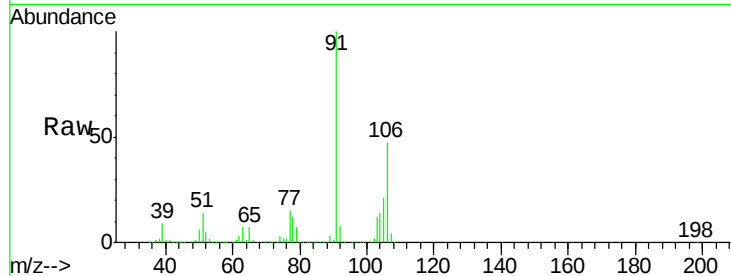
#69
o-Xylene
Concen: 53.243 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
210101	106	100			
	91	204.5	102.7	308.1	

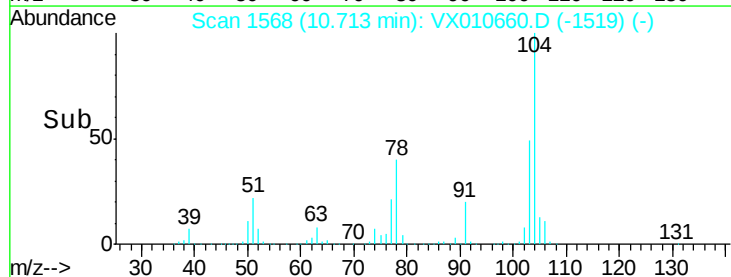
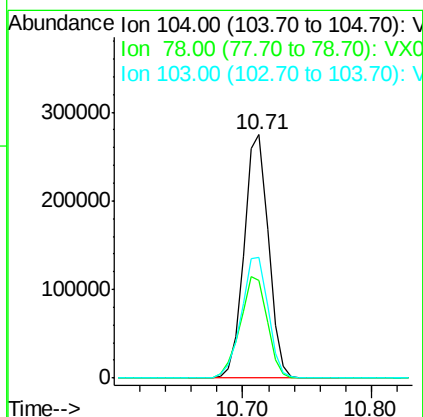
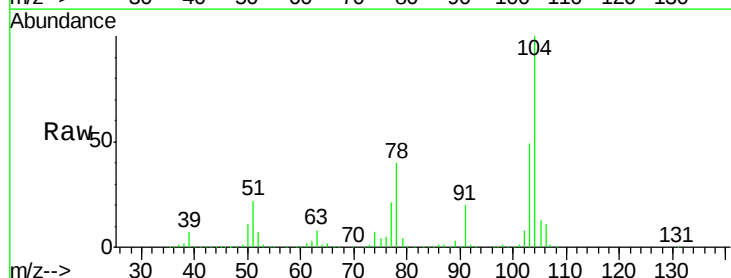
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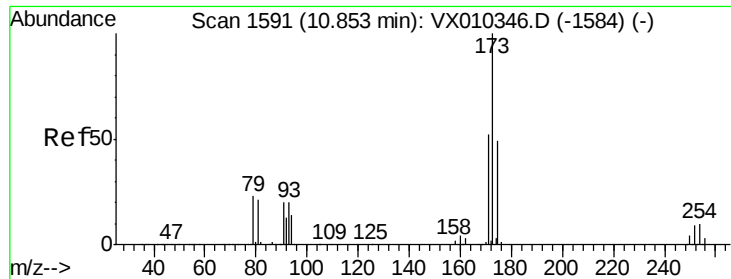
MMDadoda
7/8/2019 2:40:59 PM



#70
Styrene
Concen: 54.170 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
358484	104	100			
	78	46.6	36.2	54.2	
	103	54.7	44.2	66.4	





#71

Bromoform

Concen: 50.779 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 98669

Ion Ratio Lower Upper

173 100

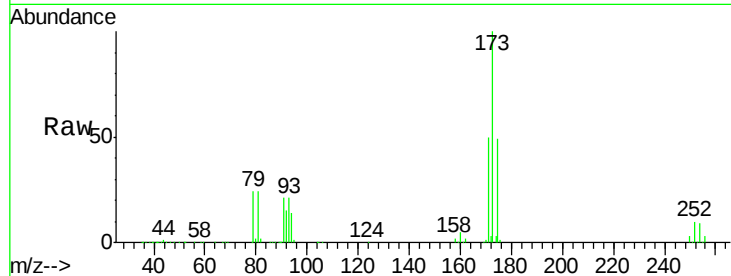
175 48.7 24.1 72.3

254 0.2 0.2 0.2

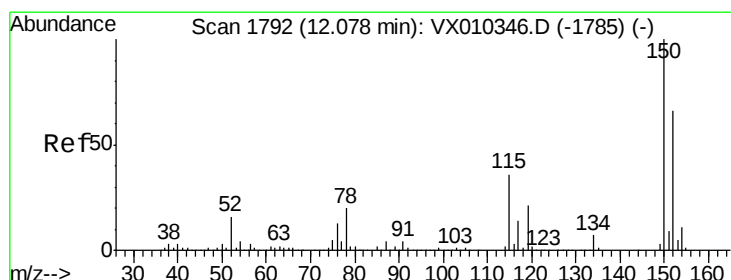
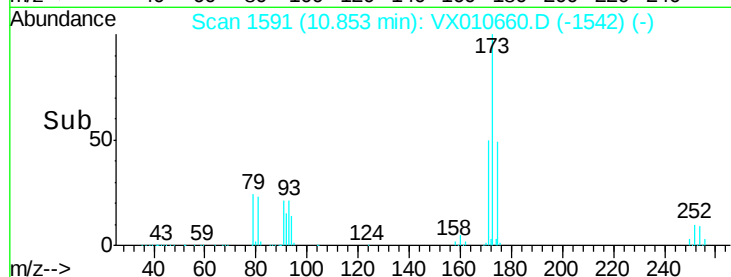
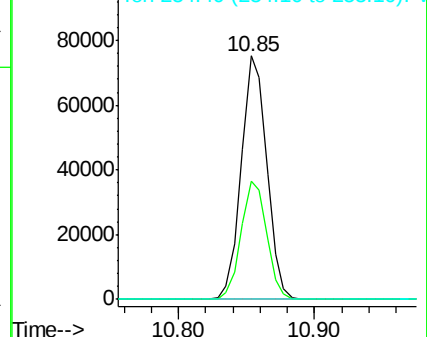
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

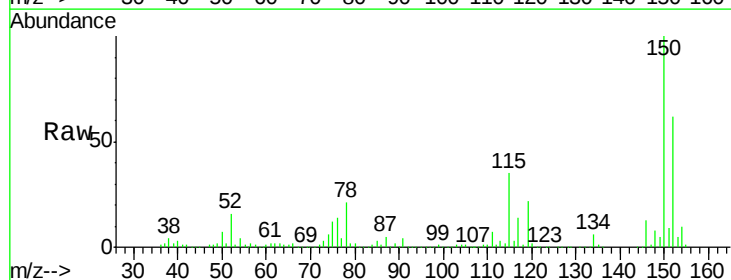
Tgt Ion:152 Resp: 152300

Ion Ratio Lower Upper

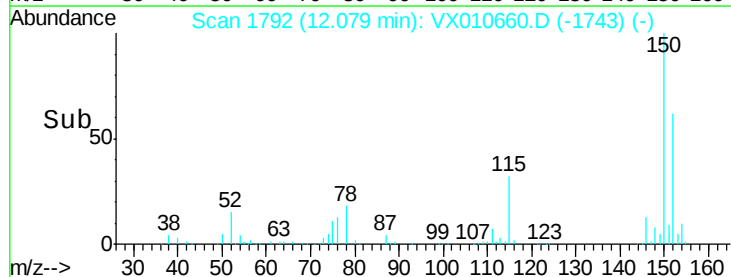
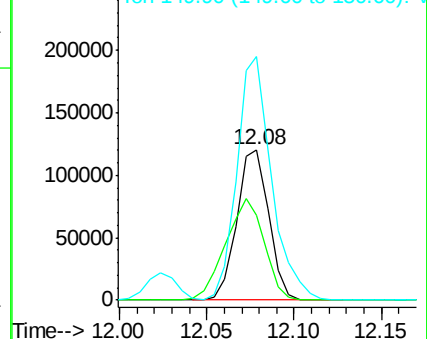
152 100

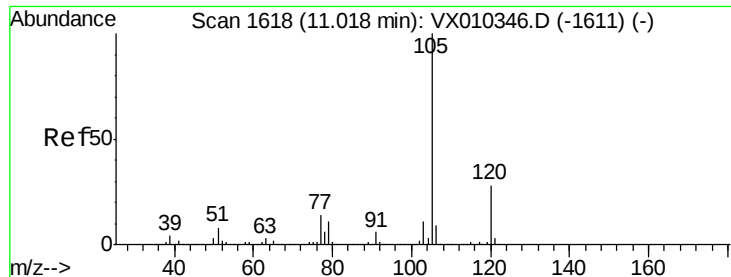
115 81.3 38.6 115.7

150 176.5 0.0 347.4



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: 53.796 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 555390

Ion Ratio Lower Upper

105 100

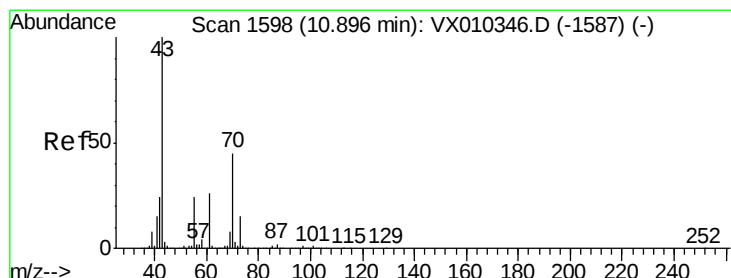
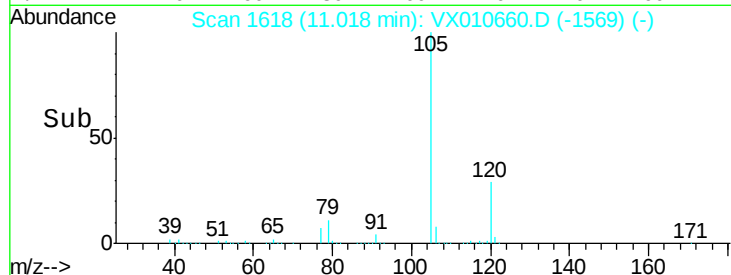
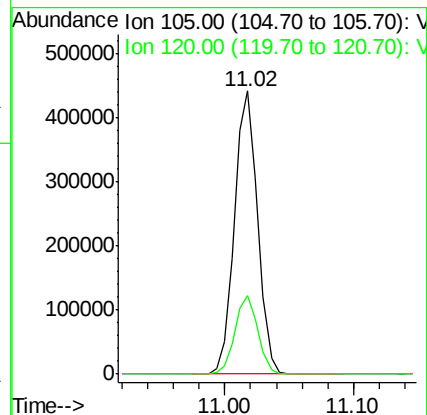
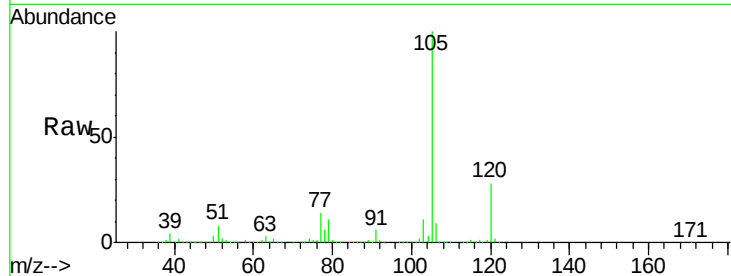
120 27.4 14.1 42.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 43.755 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Tgt Ion: 43 Resp: 170717

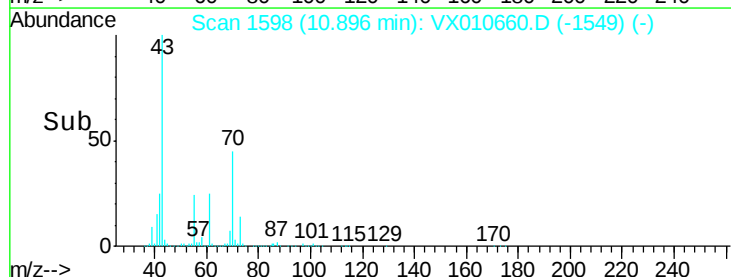
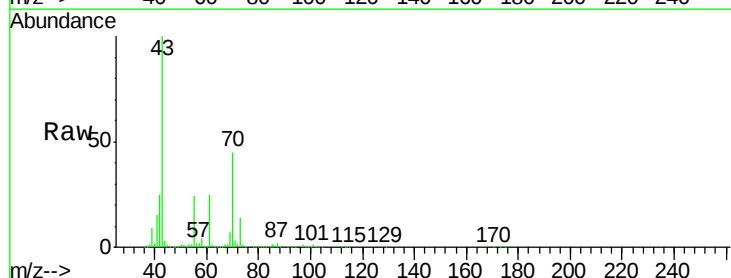
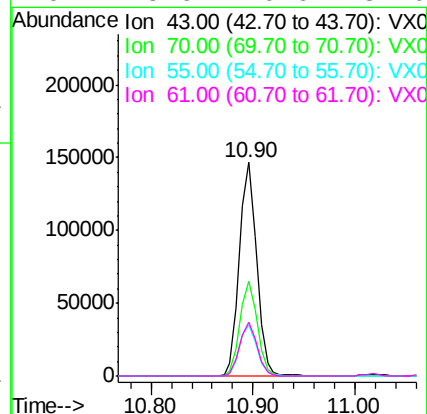
Ion Ratio Lower Upper

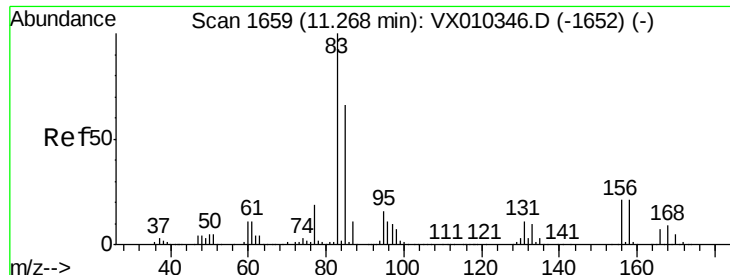
43 100

70 44.6 36.6 54.8

55 24.6 18.7 28.1

61 25.6 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.745 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

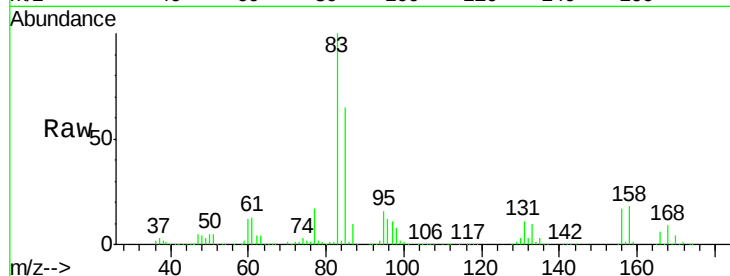
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	183758
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.4
85	64.7	32.3	96.8

Manual Integrations
APPROVED

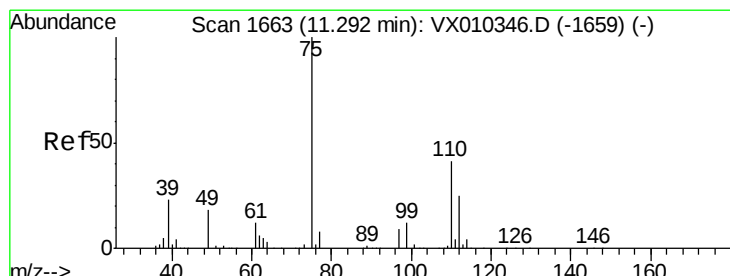
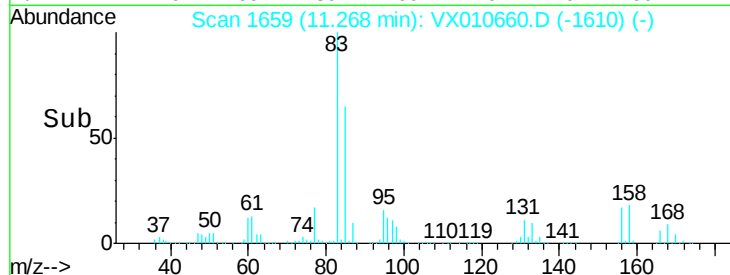
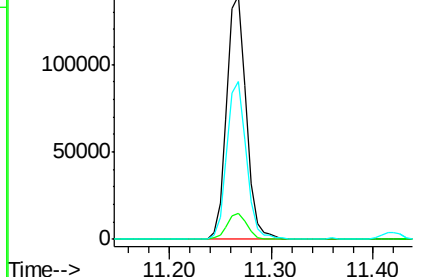
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 54.043 ug/l m

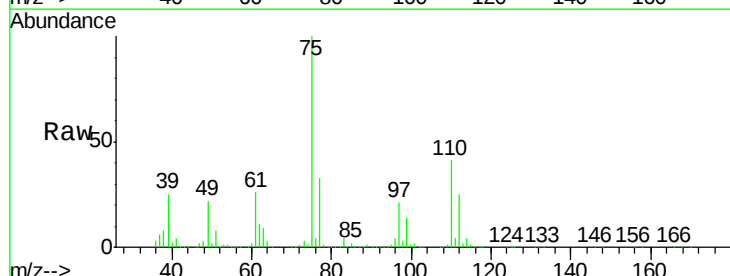
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010660.D

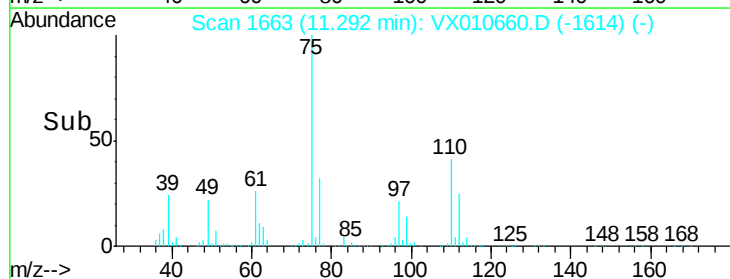
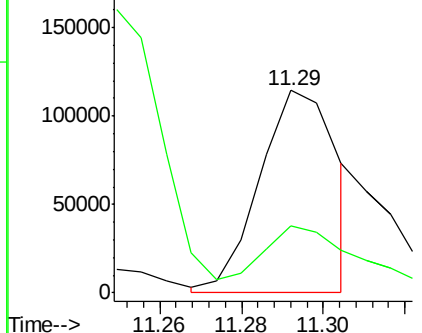
Acq: 03 Jul 2019 23:02

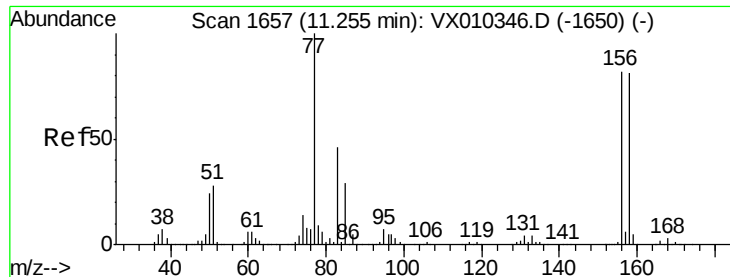
Tgt Ion:	75	Resp:	149986
Ion Ratio	Lower	Upper	
75	100		
77	42.5	22.6	67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





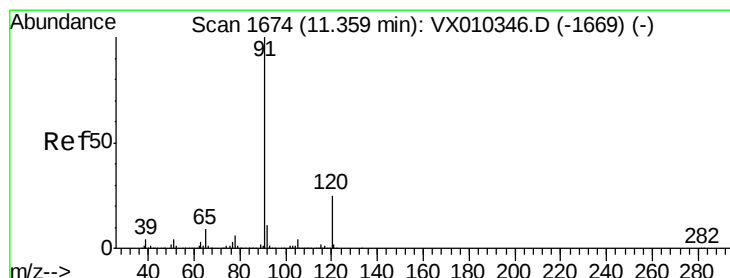
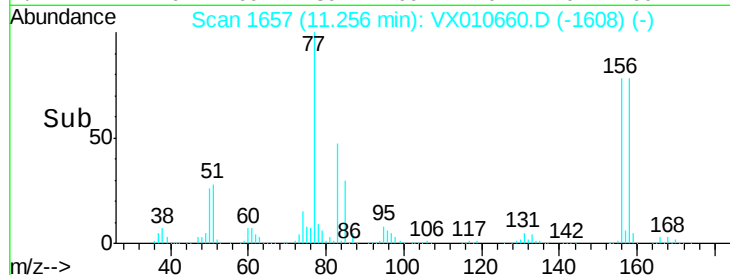
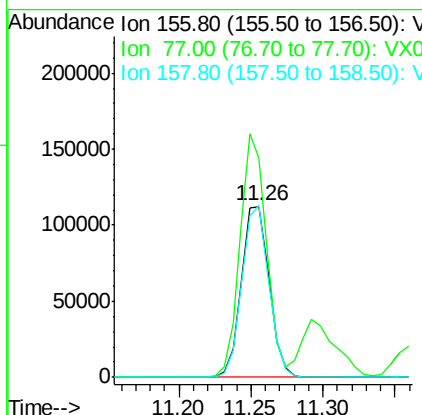
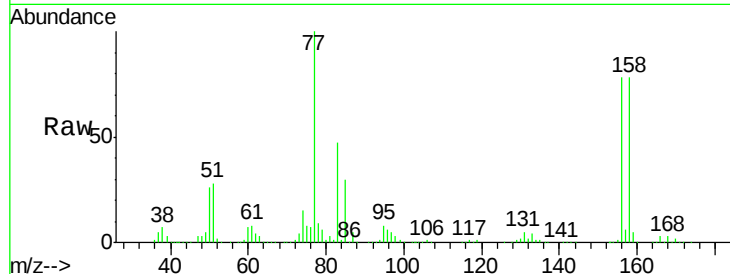
#77
Bromobenzene
Concen: 52.087 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	135.5	66.3	198.7
158	96.9	48.9	146.7

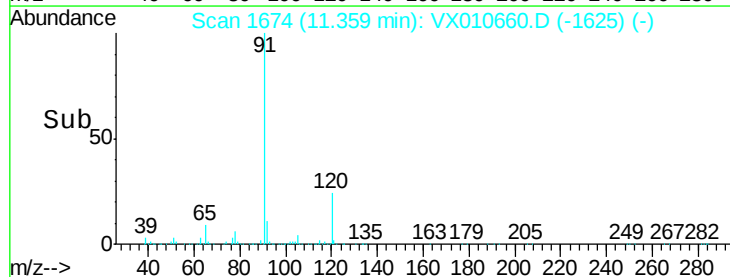
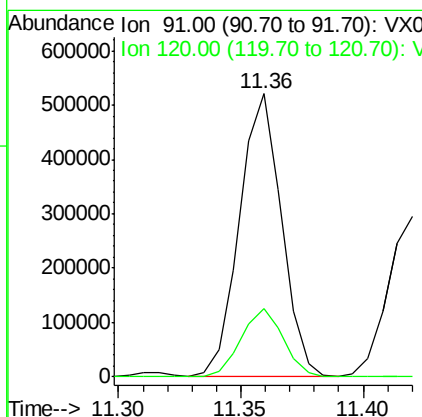
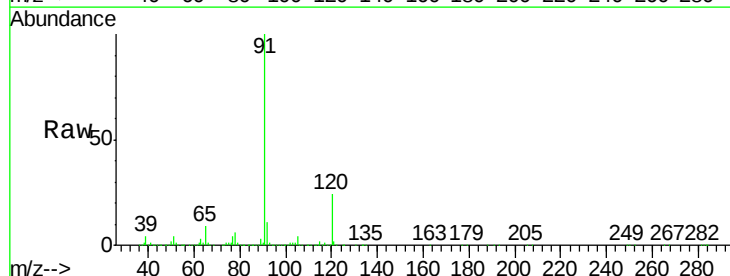
Manual Integrations
APPROVED

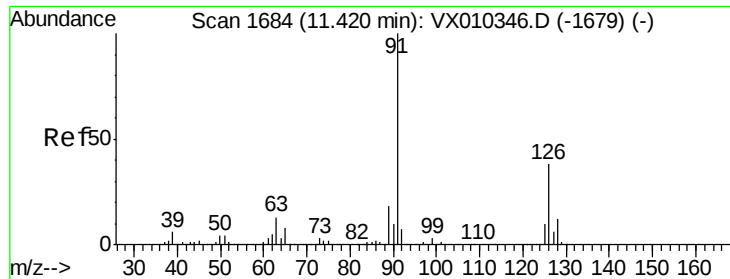
MMDadoda
7/8/2019 2:40:59 PM



#78
n-propylbenzene
Concen: 54.569 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	12.4	37.4





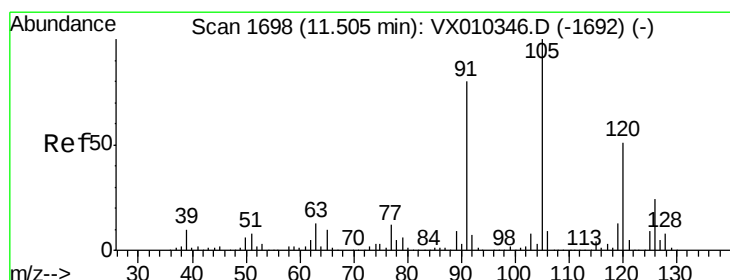
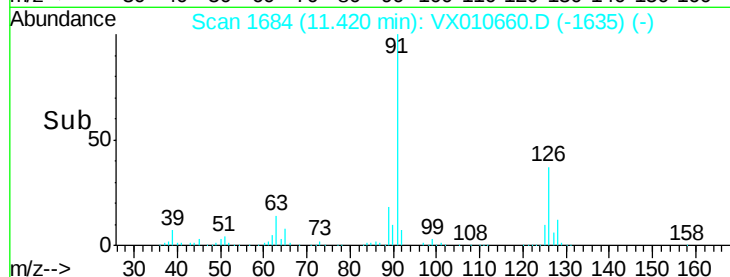
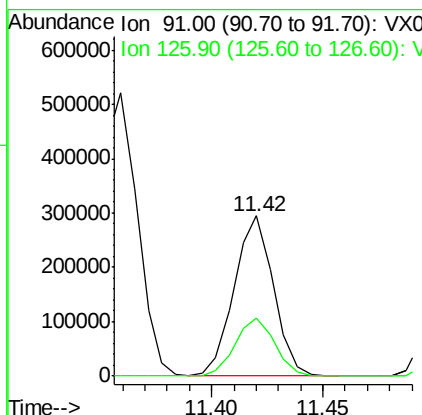
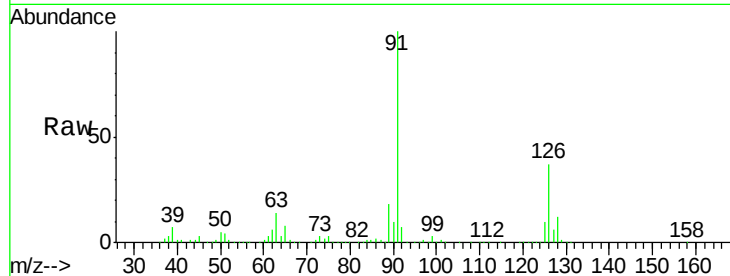
#79
2-Chlorotoluene
Concen: 53.524 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 361644
Ion Ratio Lower Upper
91 100
126 36.8 18.7 56.1

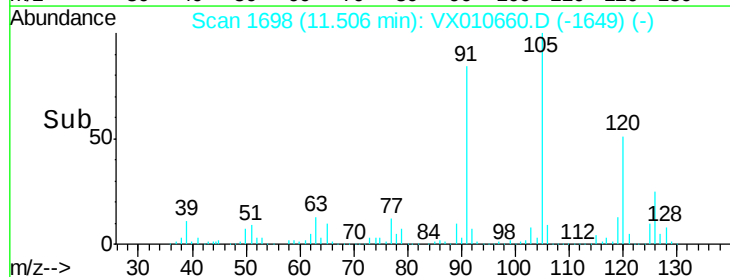
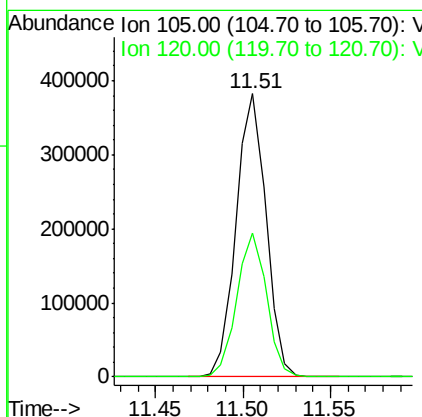
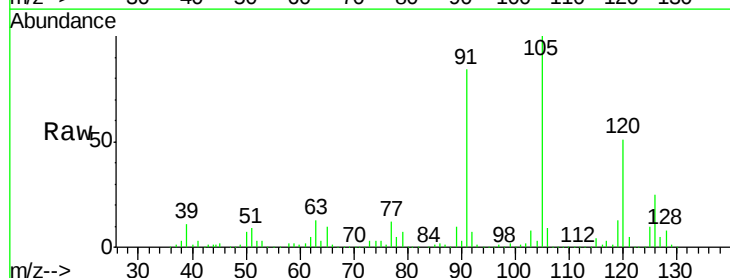
Manual Integrations
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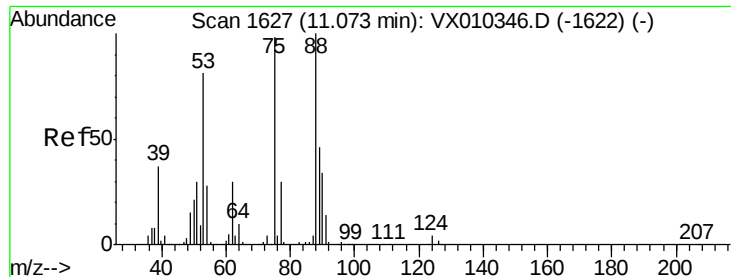
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 53.508 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Tgt Ion: 105 Resp: 455402
Ion Ratio Lower Upper
105 100
120 50.3 25.2 75.6





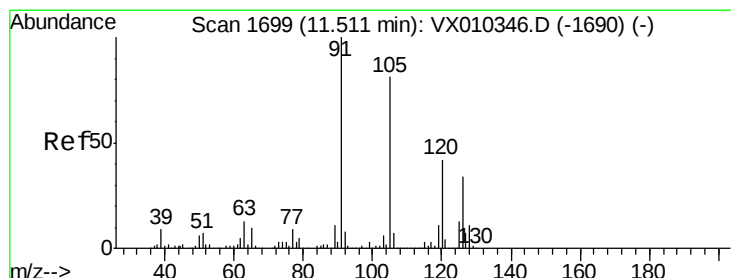
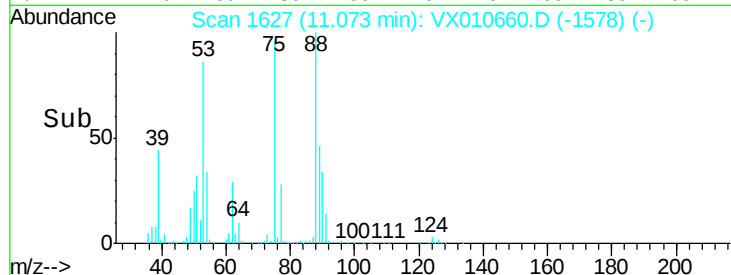
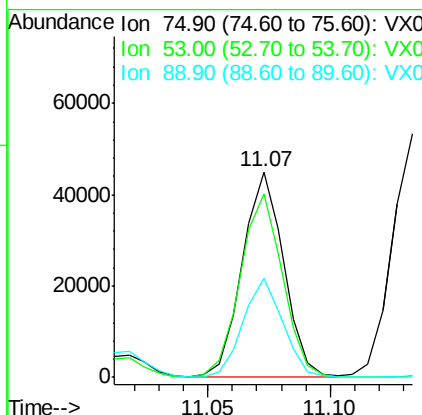
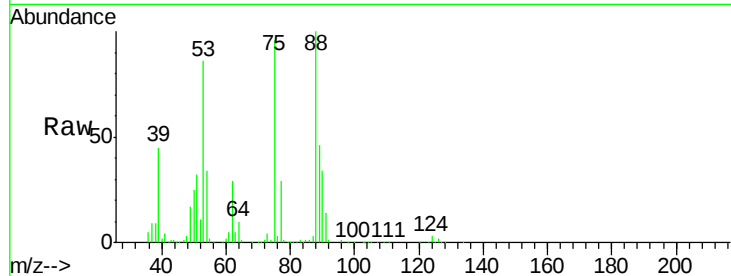
#81
trans-1,4-Dichloro-2-butene
Concen: 44.246 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.7	66.1	99.1
89	46.8	37.8	56.6

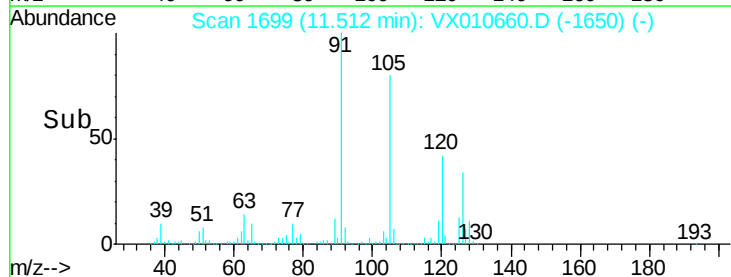
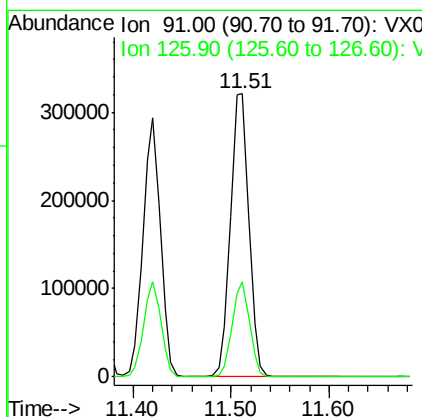
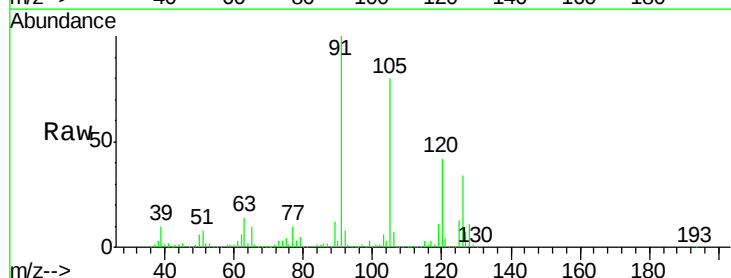
Manual Integrations
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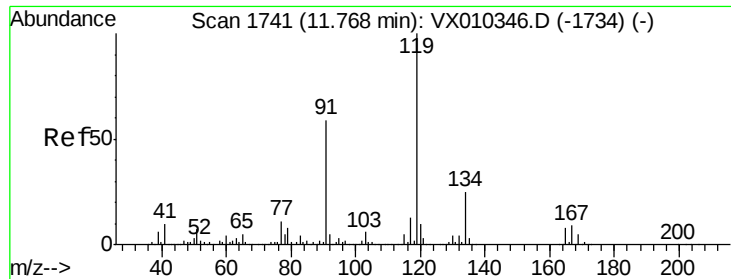
MMDadoda
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#82
4-Chlorotoluene
Concen: 54.775 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.2	48.6





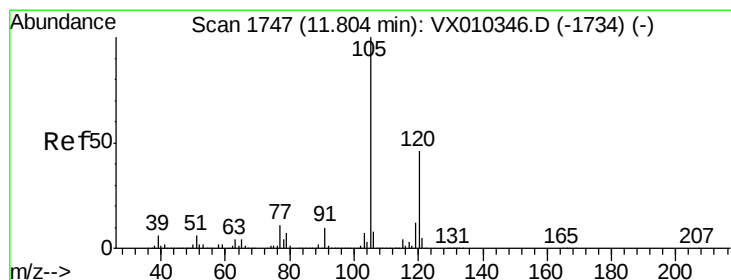
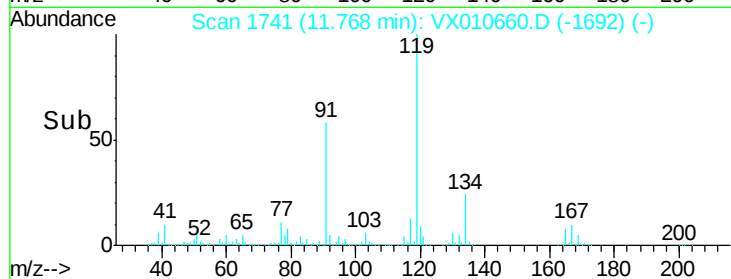
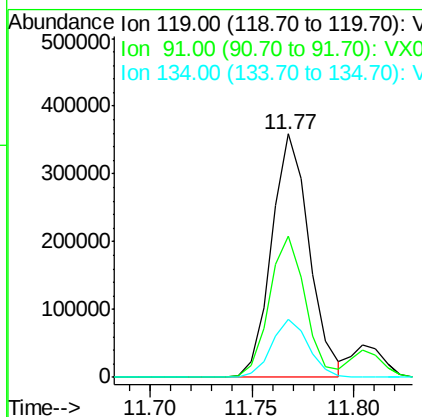
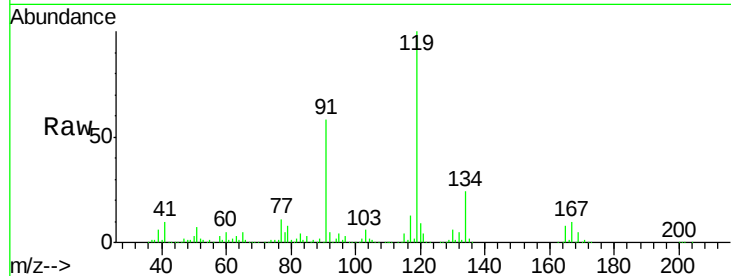
#83
 tert-Butylbenzene
 Concen: 54.059 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	461793		
91	55.9	27.6	82.7	
134	23.4	11.8	35.4	

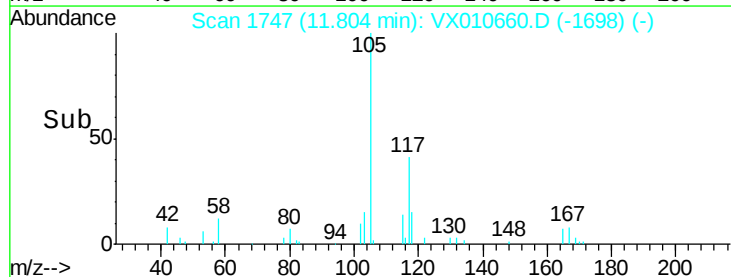
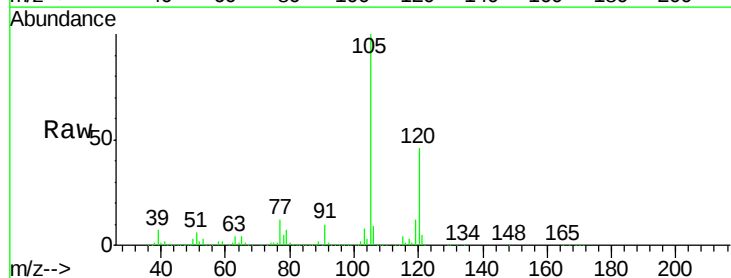
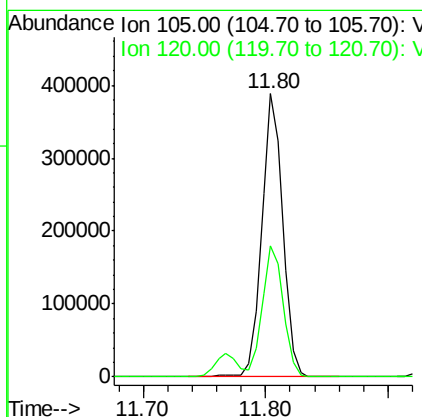
Manual Integrations
 APPROVED

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 7/8/2019 2:40:59 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.355 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	464785		
120	45.9	23.1	69.2	





#85

sec-Butylbenzene

Concen: 53.355 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 535138

Ion Ratio Lower Upper

105 100

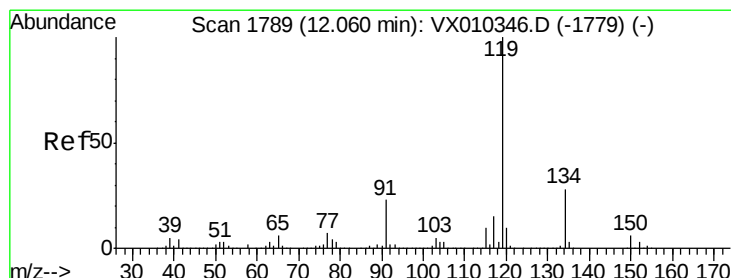
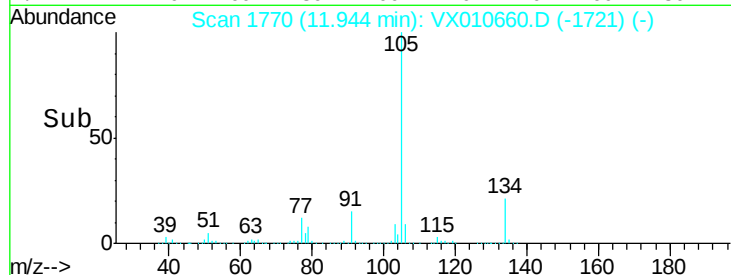
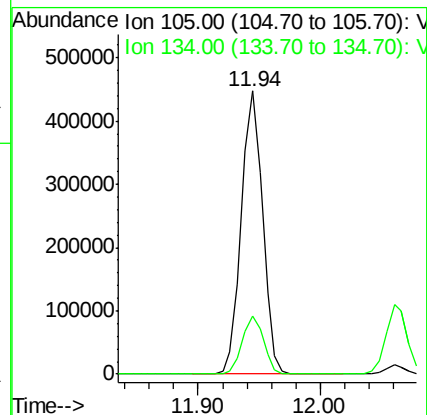
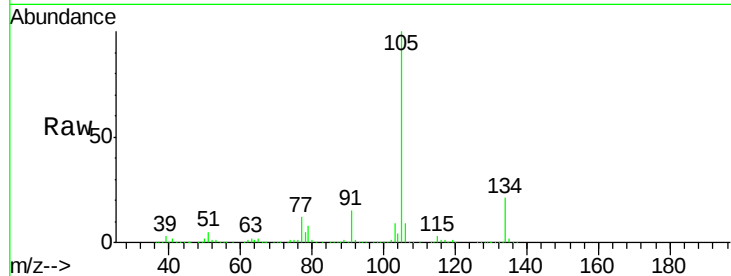
134 20.8 10.7 31.9

Manual Integrations

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7/8/2019 2:40:59 PM



#86

p-Isopropyltoluene

Concen: 53.340 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

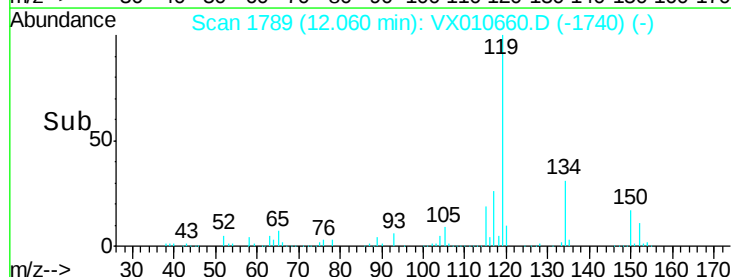
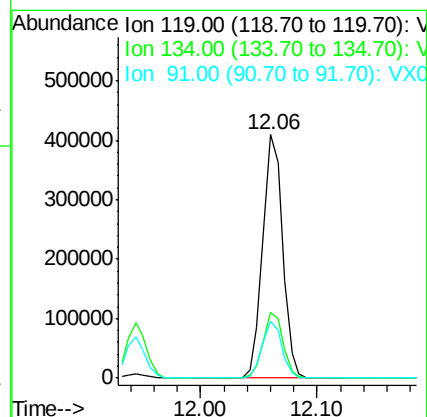
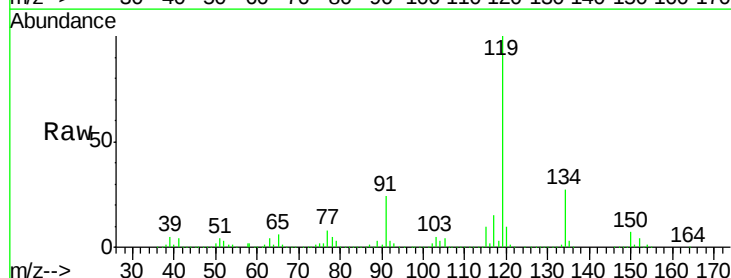
Tgt Ion:119 Resp: 494854

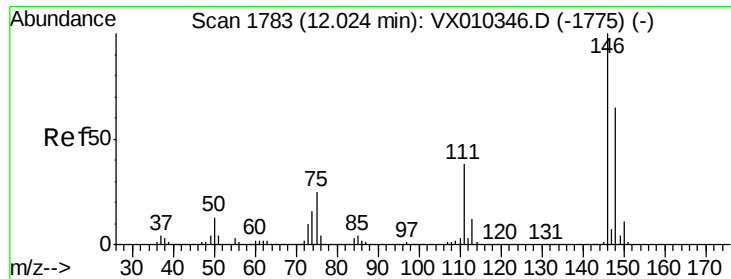
Ion Ratio Lower Upper

119 100

134 27.0 13.7 41.1

91 23.2 11.3 33.8





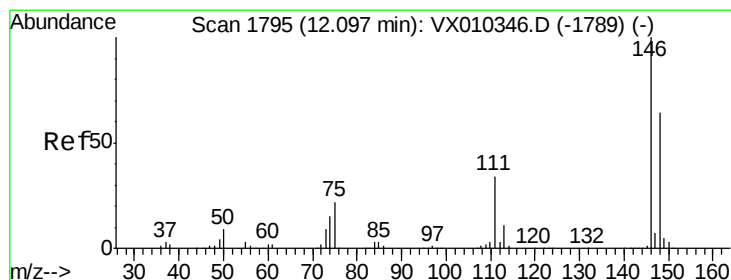
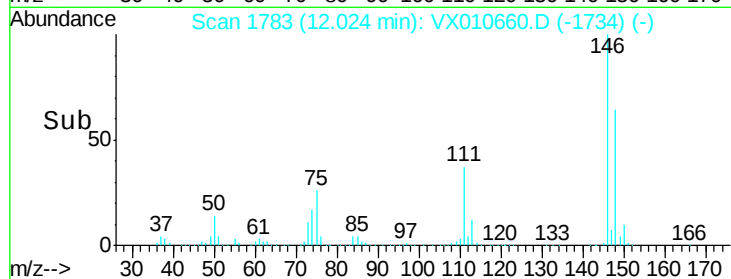
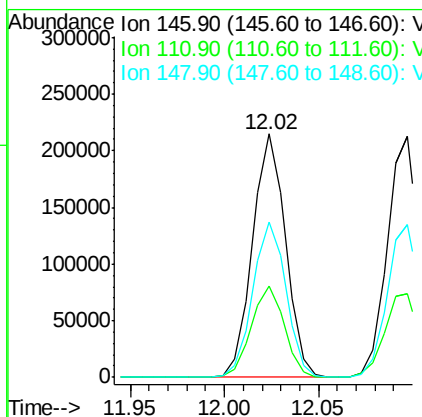
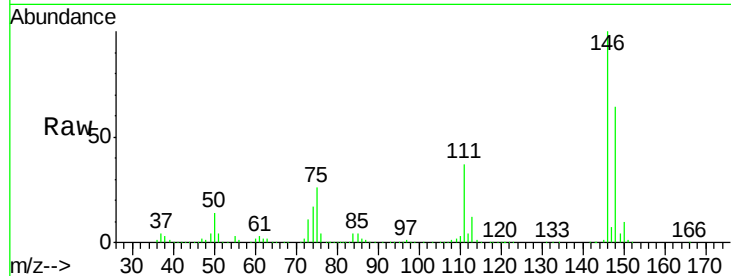
#87
 1,3-Dichlorobenzene
 Concen: 51.899 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.1
148	64.3	32.5	97.4

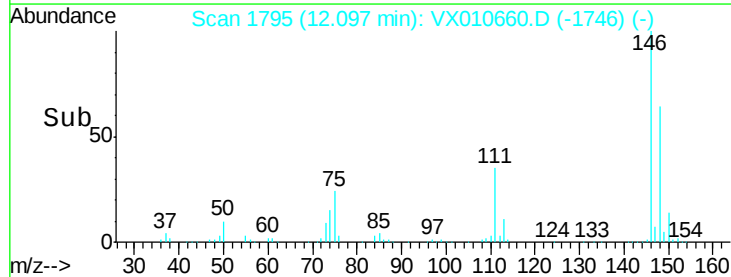
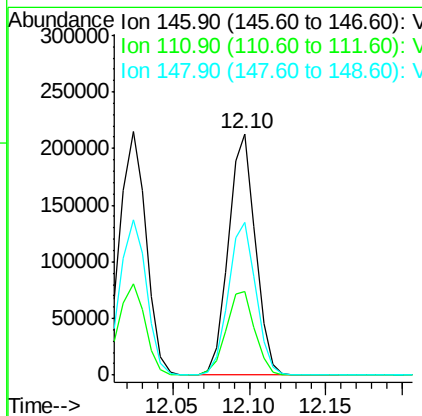
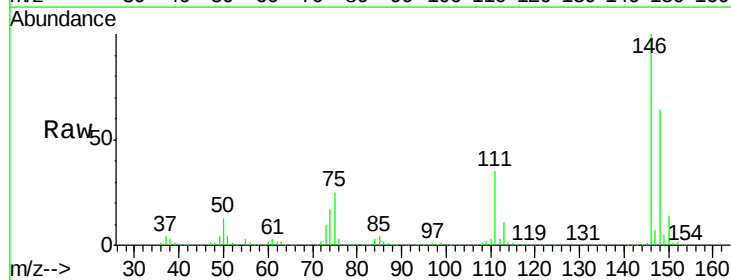
Manual Integrations
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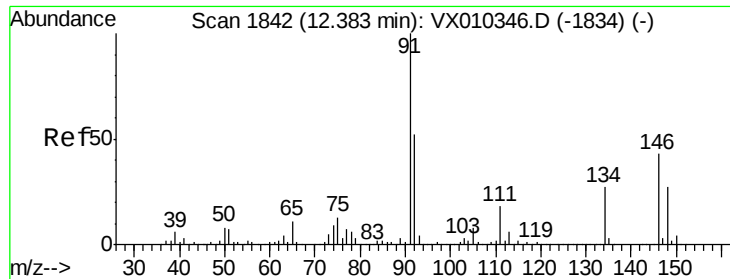
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#88
 1,4-Dichlorobenzene
 Concen: 50.664 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.1	54.3
148	64.6	32.1	96.3





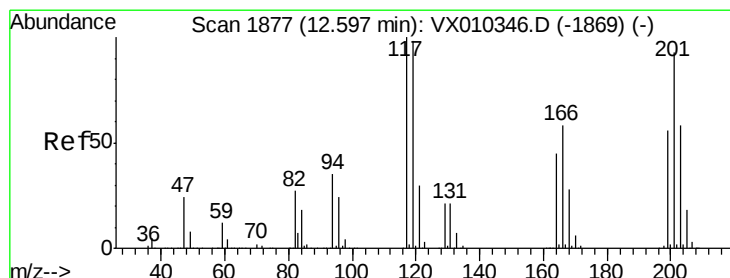
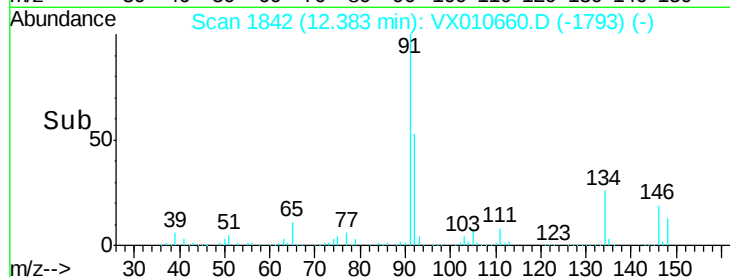
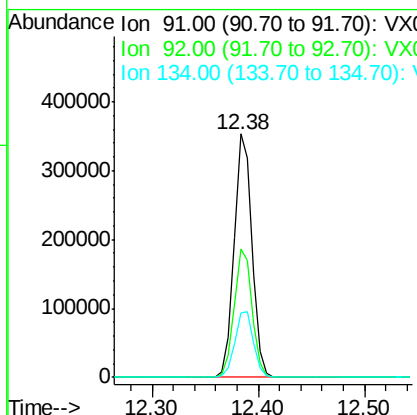
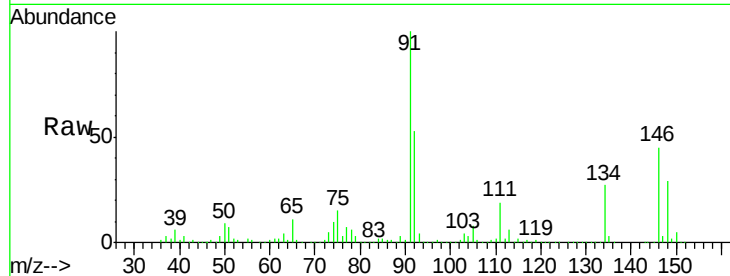
#89
n-Butylbenzene
Concen: 52.774 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.2	78.5
134	27.8	14.1	42.4

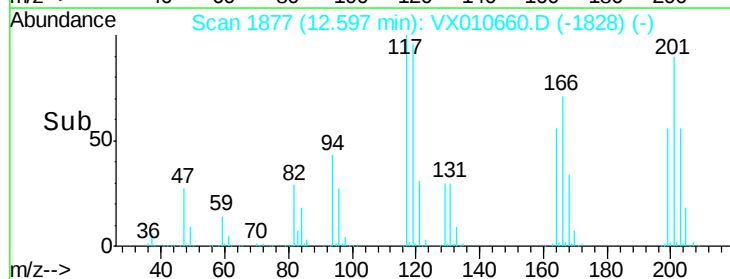
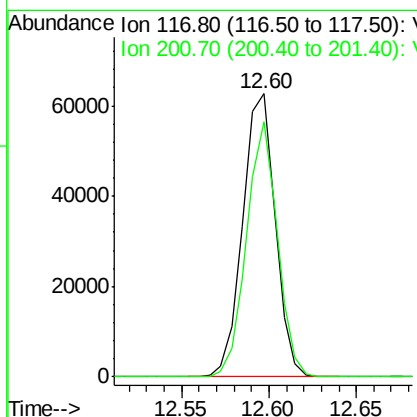
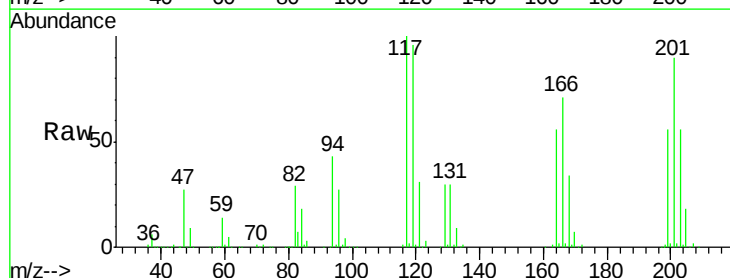
Manual Integrations
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#90
Hexachloroethane
Concen: 50.766 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.4	44.0	131.8





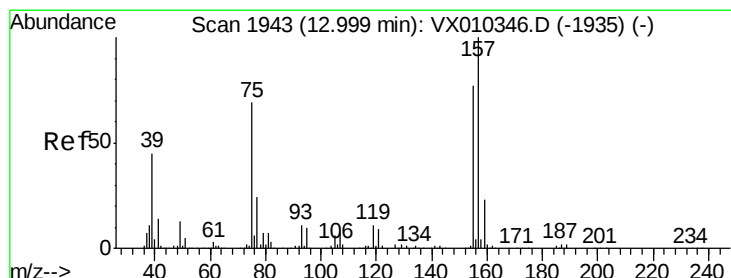
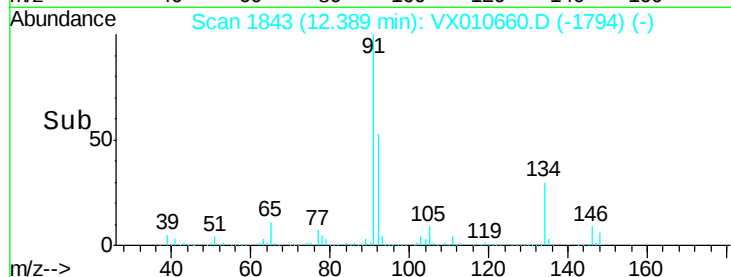
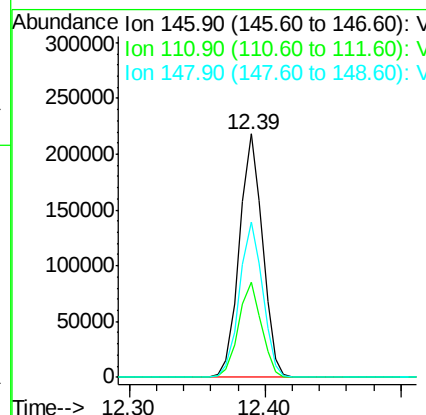
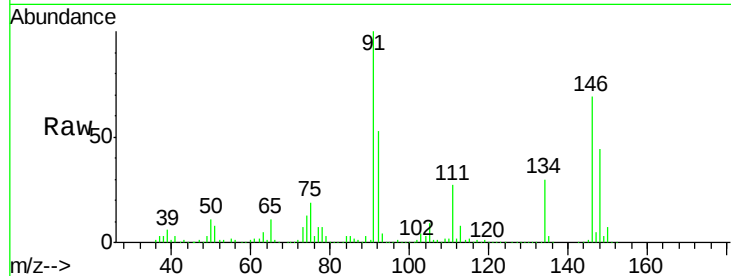
#91
 1,2-Dichlorobenzene
 Concen: 51.669 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	258410		
111	38.8	19.2	57.6	
148	64.1	32.0	96.0	

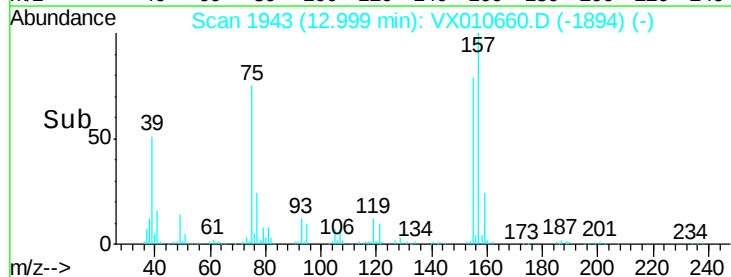
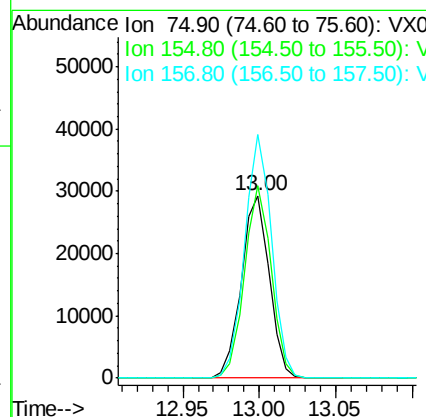
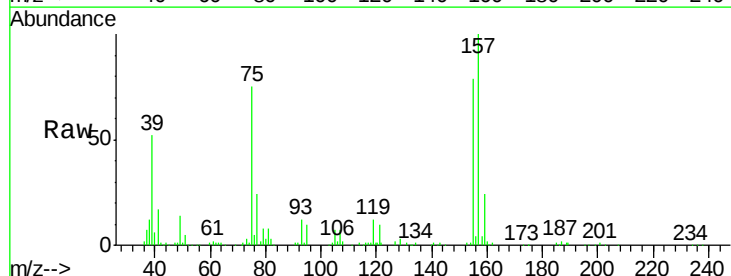
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.354 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	37119		
155	100.5	54.4	163.1	
157	128.5	69.5	208.3	





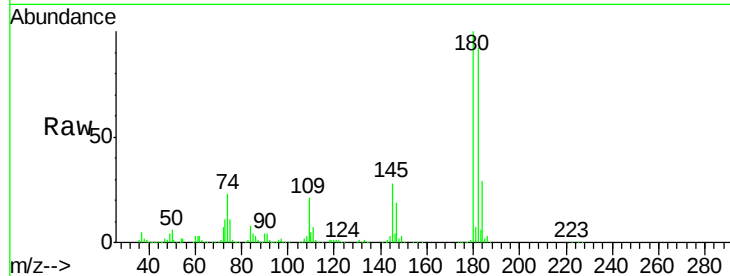
#93
 1,2,4-Trichlorobenzene
 Concen: 50.904 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

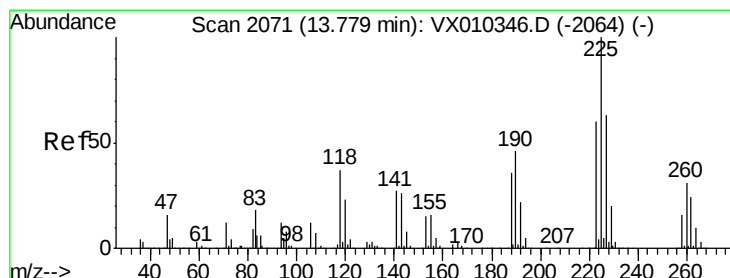
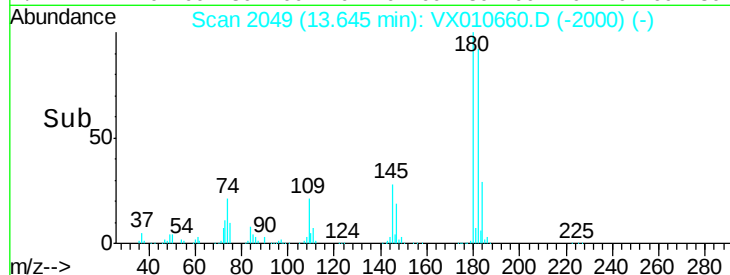
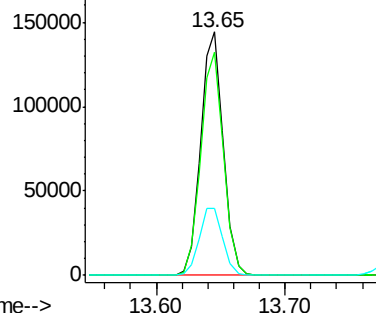
Tot Ion	Ratio	Resp	Lower	Upper
180	100	176548		
182	92.8	48.0	144.0	
145	28.9	14.4	43.4	

Manual Integrations
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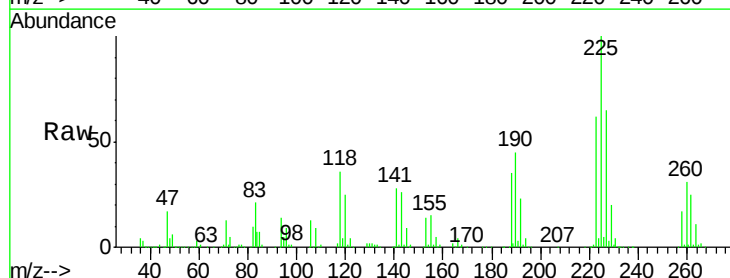


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

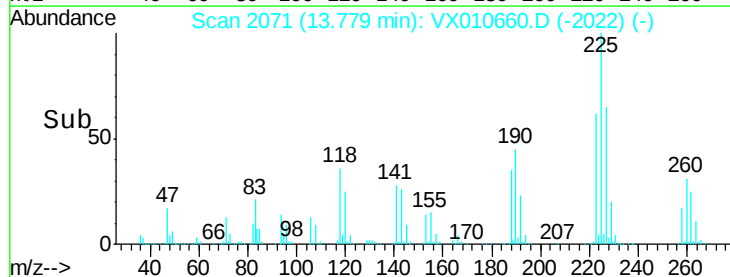
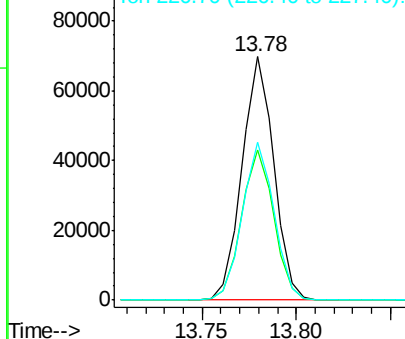


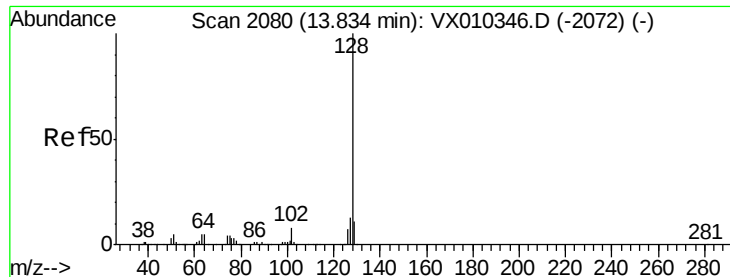
#94
 Hexachlorobutadiene
 Concen: 48.187 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	81681		
223	62.3	30.9	92.7	
227	64.7	31.9	95.5	



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





#95

Naphthalene

Concen: 52.079 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

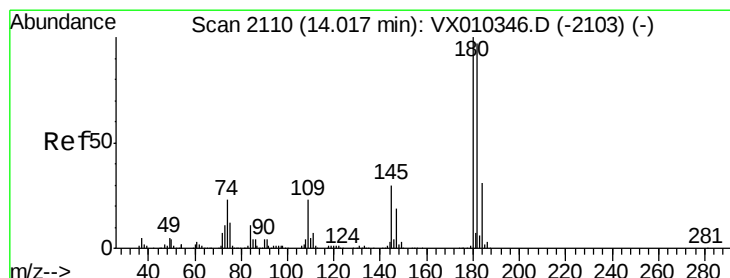
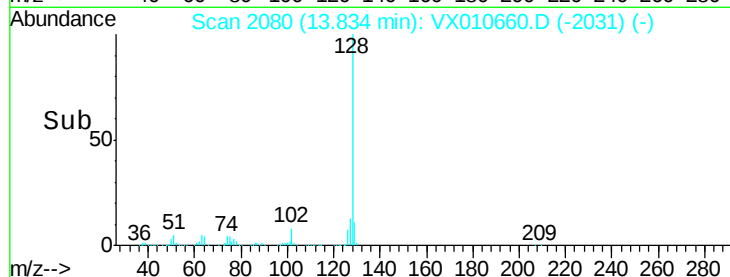
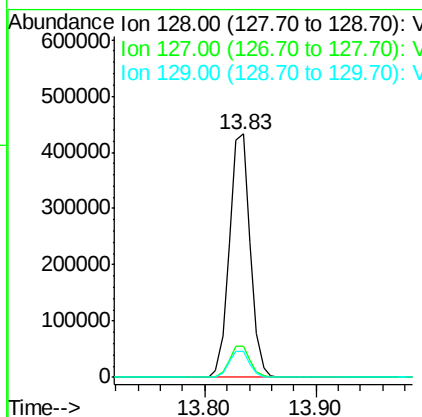
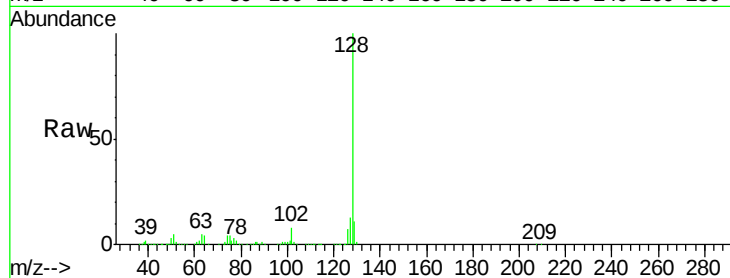
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	555074
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	10.9	8.9	13.3

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 51.245 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Tgt Ion:	180	Resp:	176710
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.8	143.3
145	31.2	15.2	45.6

