

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051319\
 Data File : VX009535.D
 Acq On : 13 May 2019 12:02
 Operator : JC/SP
 Sample : VX0513WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 12:15:52 PM

Quant Time: May 14 03:57:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	173829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	270986	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	243606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122104	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	109039	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	
35) Dibromofluoromethane	5.49	113	81174	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
50) Toluene-d8	8.71	98	327572	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	
62) 4-Bromofluorobenzene	11.13	95	120134	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	29572	18.461	ug/l	99
3) Chloromethane	1.32	50	43973	20.107	ug/l	99
4) Vinyl Chloride	1.41	62	41570	19.493	ug/l	94
5) Bromomethane	1.64	94	27001	21.095	ug/l	95
6) Chloroethane	1.72	64	27225	19.884	ug/l	100
7) Trichlorofluoromethane	1.93	101	53455	20.621	ug/l	96
8) Diethyl Ether	2.18	74	24308	19.797	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	33524	20.594	ug/l	98
10) Methyl Iodide	2.51	142	36020	21.888	ug/l	100
11) Tert butyl alcohol	3.04	59	51548	93.846	ug/l	98
12) 1,1-Dichloroethene	2.37	96	32763	20.087	ug/l	96
13) Acrolein	2.29	56	39978	80.366	ug/l	100
14) Allyl chloride	2.73	41	78658	19.789	ug/l	99
15) Acrylonitrile	3.14	53	129912	96.730	ug/l	100
16) Acetone	2.44	43	125145	98.215	ug/l	99
17) Carbon Disulfide	2.57	76	94576	20.653	ug/l	98
18) Methyl Acetate	2.77	43	56002	18.481	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	127543	20.137	ug/l	100
20) Methylene Chloride	2.85	84	40625	19.691	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	36709	20.753	ug/l	99
22) Diisopropyl ether	3.85	45	154013	20.148	ug/l	89
23) Vinyl Acetate	3.81	43	678527	103.661	ug/l	100
24) 1,1-Dichloroethane	3.70	63	75983	20.150	ug/l	99
25) 2-Butanone	4.67	43	194292	98.124	ug/l	99
26) 2,2-Dichloropropane	4.59	77	57055	20.327	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	43509	20.608	ug/l	97
28) Bromochloromethane	5.01	49	26589	15.632	ug/l	99
29) Tetrahydrofuran	5.12	42	124773	97.926	ug/l	100
30) Chloroform	5.21	83	68853	20.188	ug/l	98
31) Cyclohexane	5.57	56	73607	20.981	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	57949	20.411	ug/l	100
36) 1,1-Dichloropropene	5.79	75	54533	21.655	ug/l	99
37) Ethyl Acetate	4.82	43	71628	20.414	ug/l	99
38) Carbon Tetrachloride	5.78	117	48252	21.089	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	67359	21.780	ug/l	99
40) Benzene	6.14	78	163297	20.952	ug/l	98
41) Methacrylonitrile	5.03	41	40907	19.585	ug/l	98
42) 1,2-Dichloroethane	6.18	62	59698	21.353	ug/l	99
43) Isopropyl Acetate	6.44	43	113532	20.229	ug/l	100
44) Trichloroethene	7.21	130	39031	20.715	ug/l	96
45) 1,2-Dichloropropane	7.51	63	46435	21.041	ug/l	98
46) Dibromomethane	7.66	93	26410	20.608	ug/l	97
47) Bromodichloromethane	7.90	83	53131	20.784	ug/l	96
48) Methyl methacrylate	7.76	41	57779	20.750	ug/l	98
49) 1,4-Dioxane	7.73	88	22289	394.715	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	374009	101.954	ug/l	100
52) Toluene	8.78	92	100162	21.142	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	60392	20.925	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	67466	21.119	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	40845	21.132	ug/l	98
56) Ethyl methacrylate	9.18	69	70708	20.494	ug/l	100
57) 1,3-Dichloropropane	9.37	76	70803	20.817	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	166717	91.087	ug/l	100
59) 2-Hexanone	9.49	43	288319	100.072	ug/l	99
60) Dibromochloromethane	9.58	129	39750	21.057	ug/l	99
61) 1,2-Dibromoethane	9.67	107	41079	21.055	ug/l	100
64) Tetrachloroethene	9.34	164	37221	22.274	ug/l	99
65) Chlorobenzene	10.13	112	102823	21.100	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	37136	21.019	ug/l	99
67) Ethyl Benzene	10.25	91	193381	21.562	ug/l	99
68) m/p-Xylenes	10.35	106	141960	43.315	ug/l	99
69) o-Xylene	10.69	106	67586	20.901	ug/l	99
70) Styrene	10.71	104	118396	21.066	ug/l	99
71) Bromoform	10.85	173	29896	20.823	ug/l #	98
73) Isopropylbenzene	11.02	105	184895	20.823	ug/l	100
74) N-amyl acetate	10.90	43	100603	19.434	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	64532	19.496	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	57737m	20.385	ug/l	
77) Bromobenzene	11.25	156	45708	20.740	ug/l	98
78) n-propylbenzene	11.36	91	214873	21.189	ug/l	100
79) 2-Chlorotoluene	11.42	91	126098	20.156	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	157217	21.029	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	21410	19.341	ug/l	97
82) 4-Chlorotoluene	11.51	91	146623	20.745	ug/l	99
83) tert-Butylbenzene	11.77	119	150862	20.743	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	158024	21.058	ug/l	98
85) sec-Butylbenzene	11.94	105	180838	20.972	ug/l	99
86) p-Isopropyltoluene	12.06	119	166375	21.463	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	81840	20.831	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	81852	20.665	ug/l	99
89) n-Butylbenzene	12.38	91	149347	21.316	ug/l	100
90) Hexachloroethane	12.59	117	27030	20.467	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	81368	20.334	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14796	19.926	ug/l	99

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ClientSampleId :
VX0513WBS01

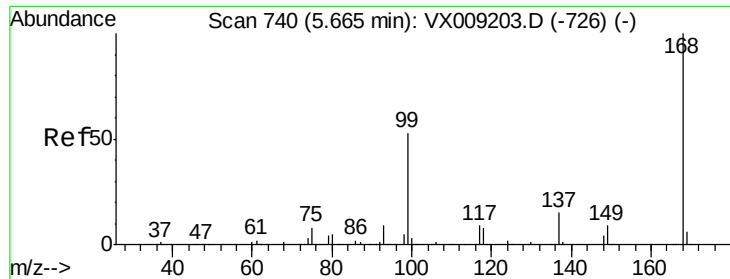
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	59220	21.641	ug/l	99
94) Hexachlorobutadiene	13.78	225	30458	21.796	ug/l	99
95) Naphthalene	13.83	128	185535	20.840	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	60307	21.741	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: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tot Ion:168 Resp: 173829

Ion Ratio Lower Upper

168 100

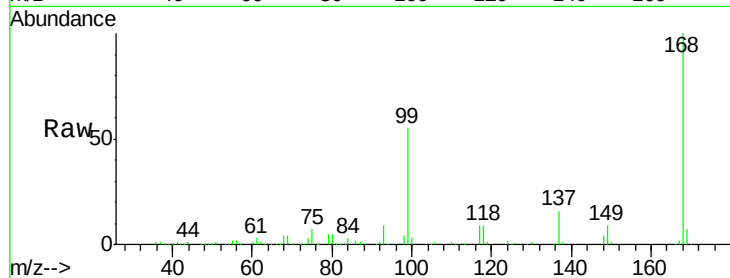
99 55.0 42.3 63.5

Manual Integrations

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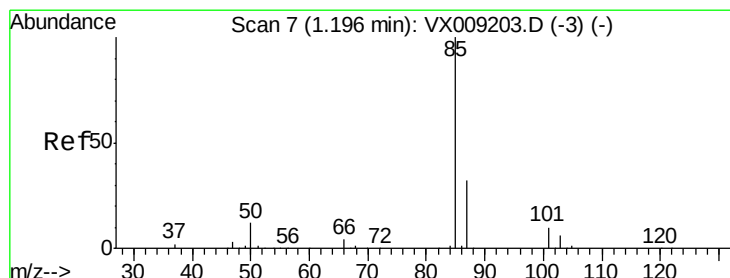
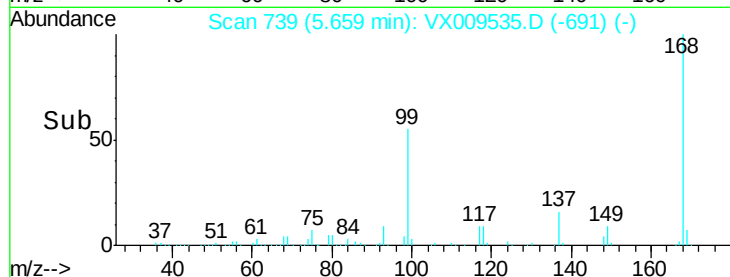
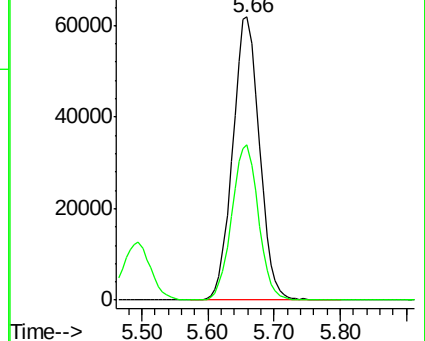
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.461 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009535.D

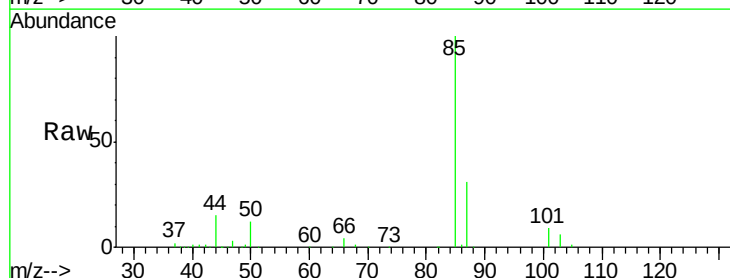
Acq: 13 May 2019 12:02

Tgt Ion: 85 Resp: 29572

Ion Ratio Lower Upper

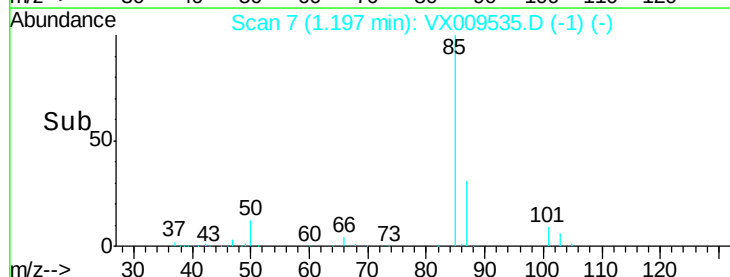
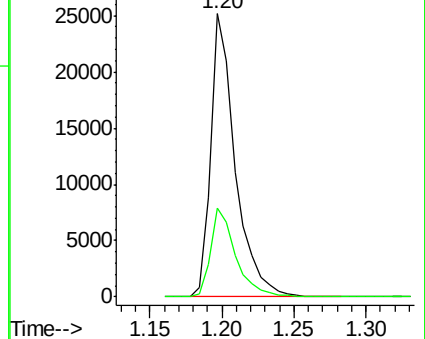
85 100

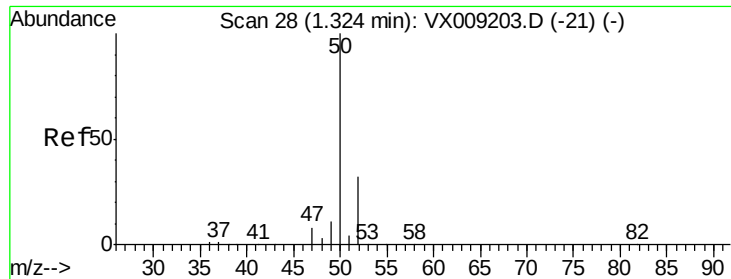
87 31.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.107 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tot Ion: 50 Resp: 43973

Ion Ratio Lower Upper

50 100

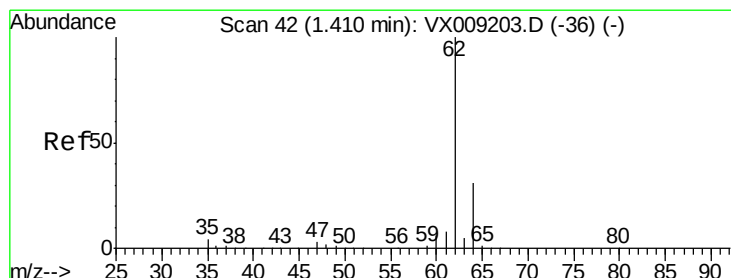
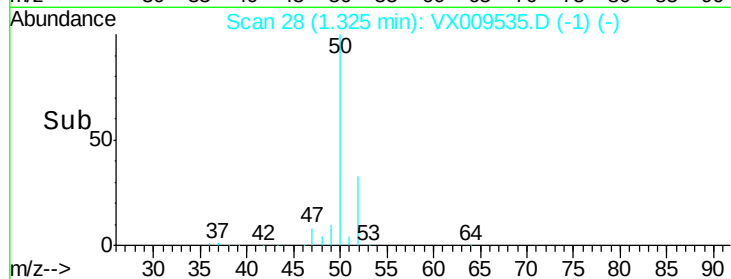
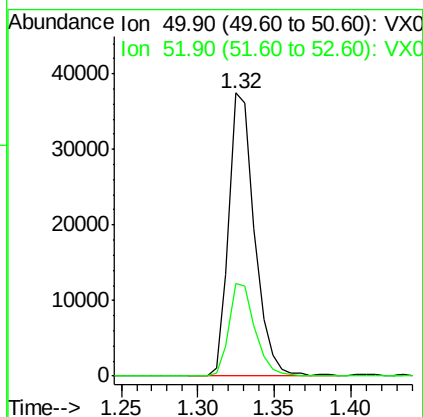
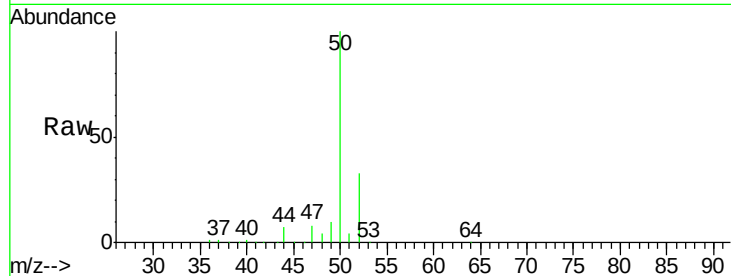
52 32.7 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.493 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009535.D

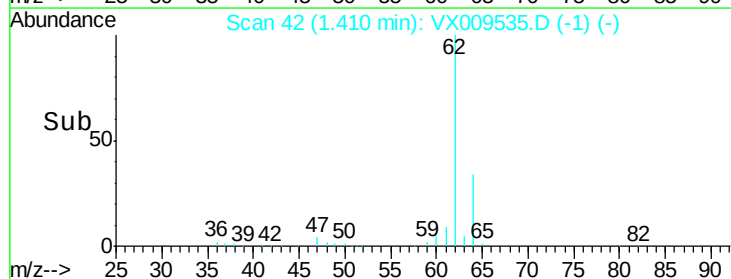
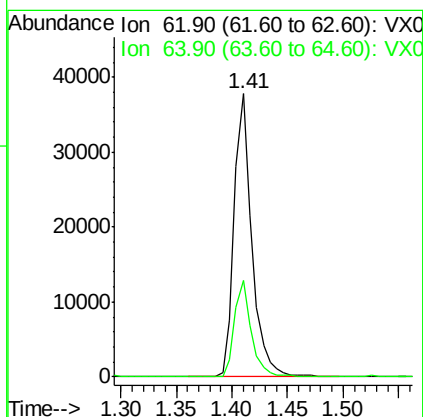
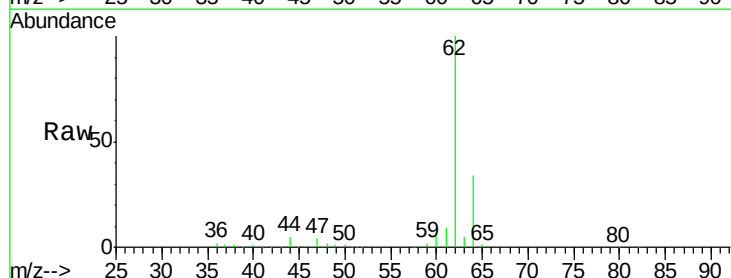
Acq: 13 May 2019 12:02

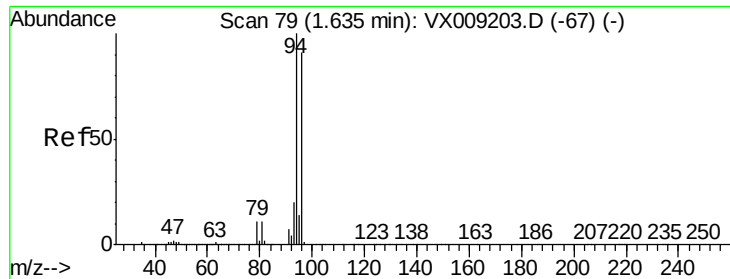
Tgt Ion: 62 Resp: 41570

Ion Ratio Lower Upper

62 100

64 33.9 24.6 36.8





#5

Bromomethane

Concen: 21.095 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tot Ion: 94 Resp: 27001

Ion Ratio Lower Upper

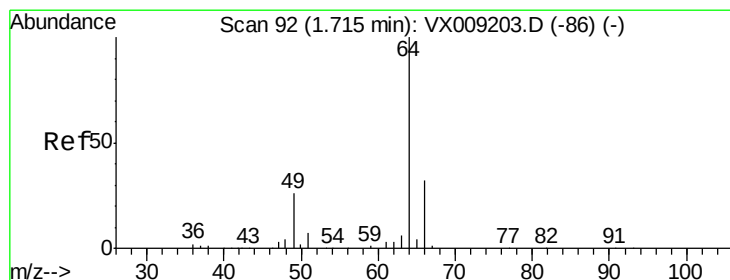
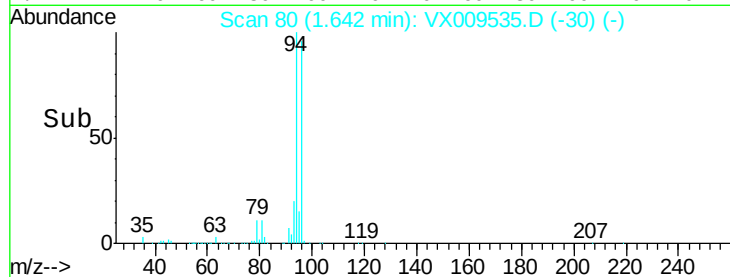
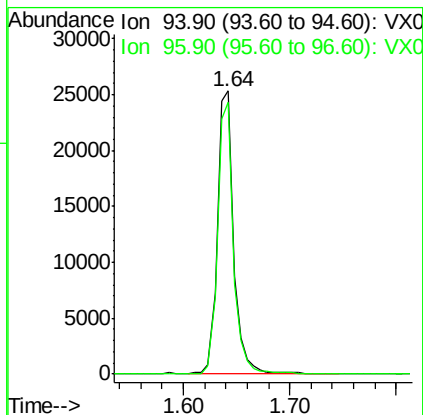
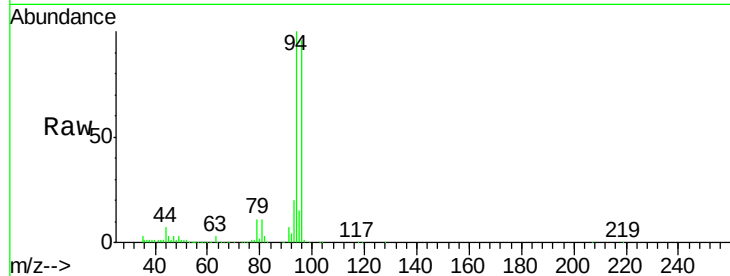
94 100

96 96.0 73.0 109.6

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#6

Chloroethane

Concen: 19.884 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009535.D

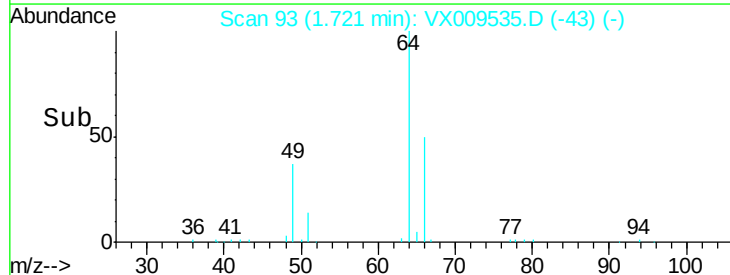
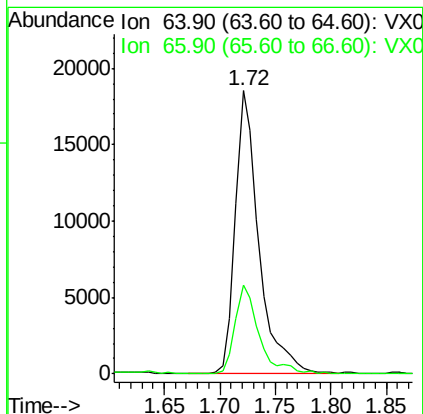
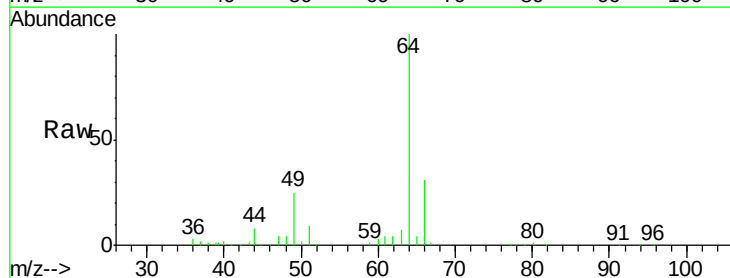
Acq: 13 May 2019 12:02

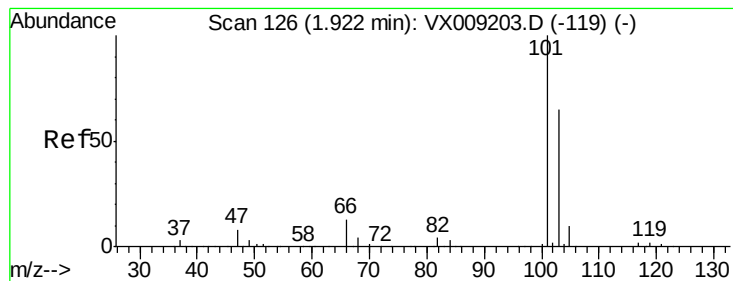
Tgt Ion: 64 Resp: 27225

Ion Ratio Lower Upper

64 100

66 31.4 25.3 37.9





#7

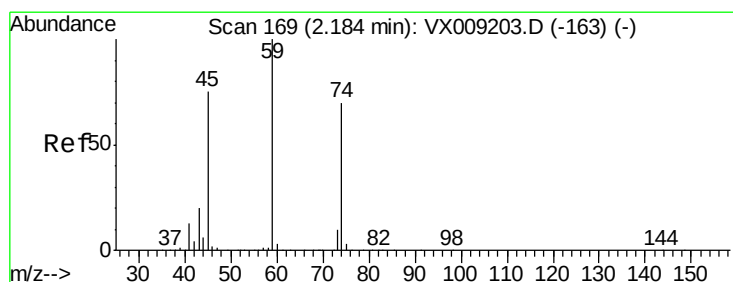
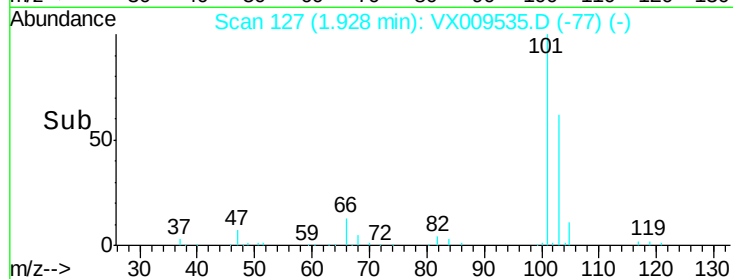
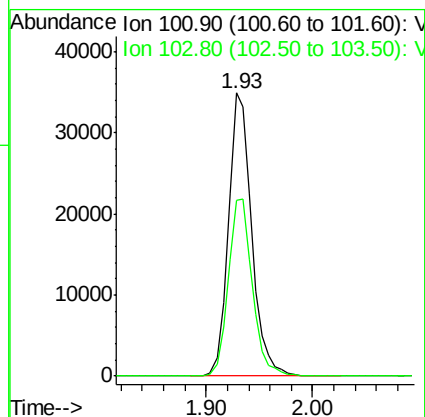
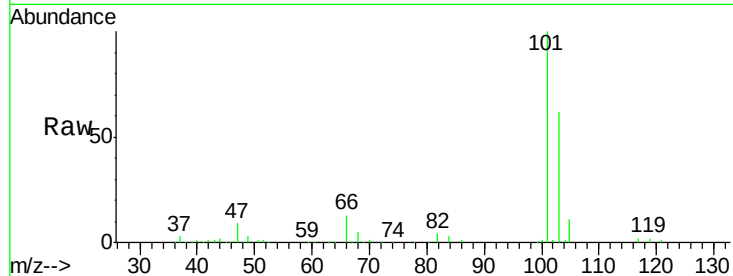
Trichlorofluoromethane
Concen: 20.621 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

Tot Ion:101 Resp: 53455
Ion Ratio Lower Upper
101 100
103 62.0 52.4 78.6

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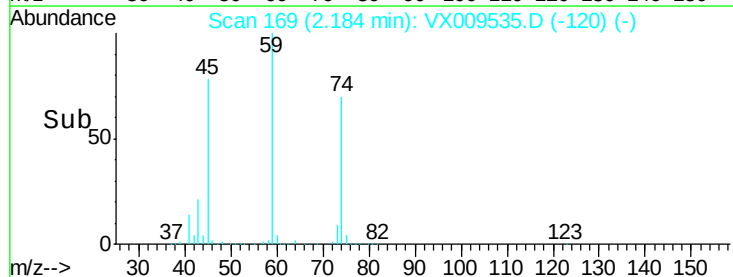
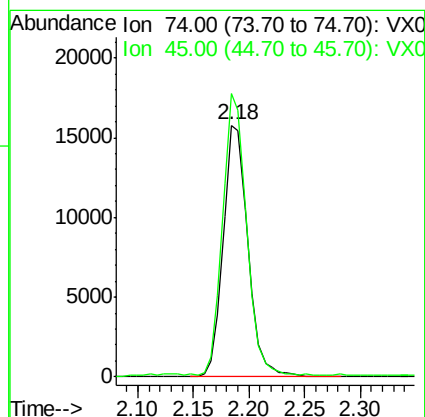
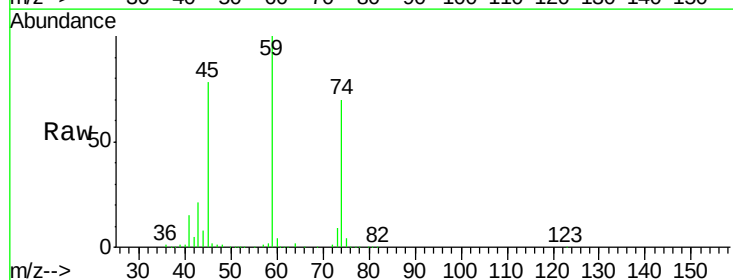
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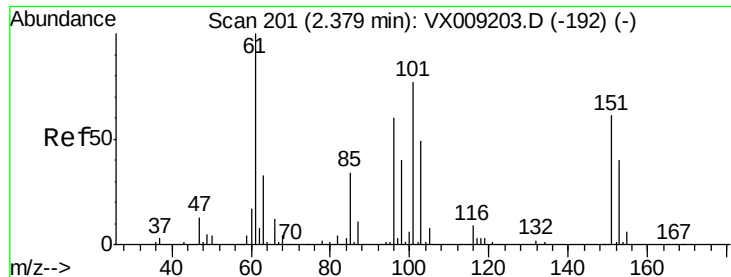


#8

Diethyl Ether
Concen: 19.797 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Tgt Ion: 74 Resp: 24308
Ion Ratio Lower Upper
74 100
45 108.5 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.594 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

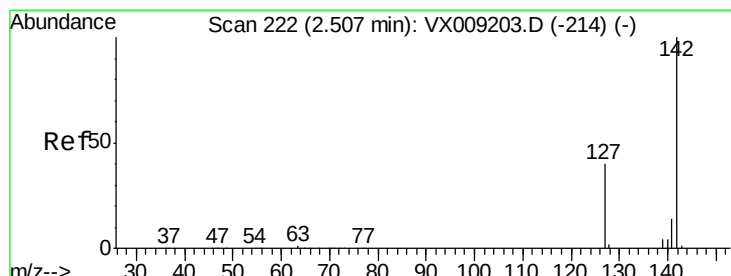
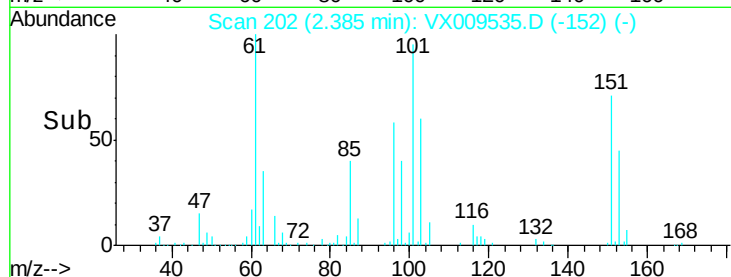
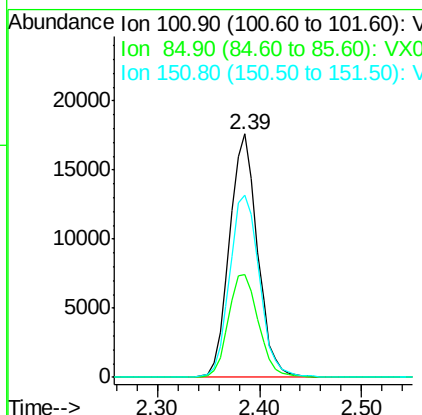
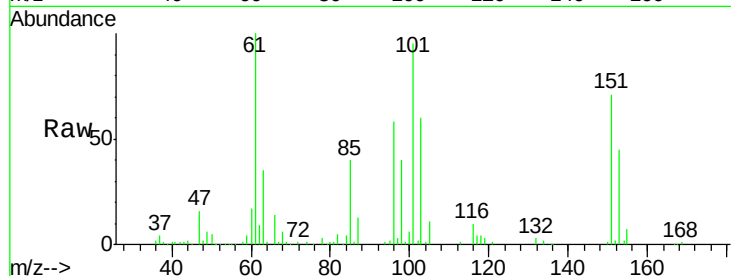
ClientSampleId :

VX0513WBS01

Tot Ion:	101	Resp:	33524
Ion Ratio	Lower	Upper	
101	100		
85	45.2	35.7	53.5
151	79.5	62.2	93.2

Manual Integrations
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5/14/2019 12:15:52 PM



#10

Methyl Iodide

Concen: 21.888 ug/l

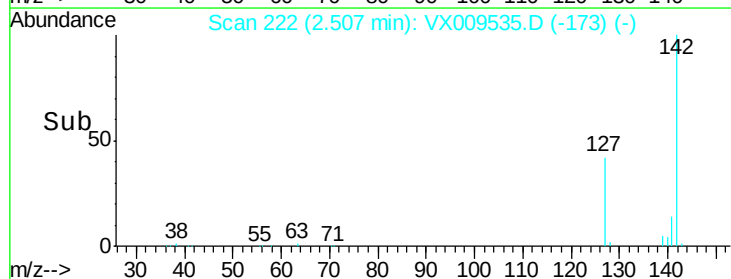
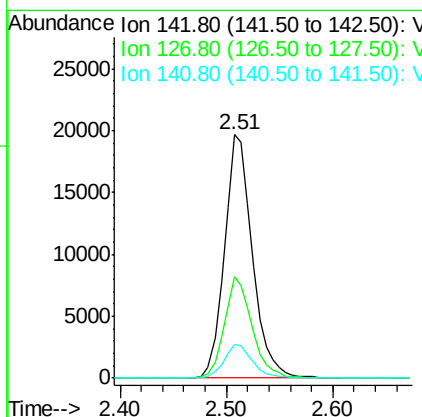
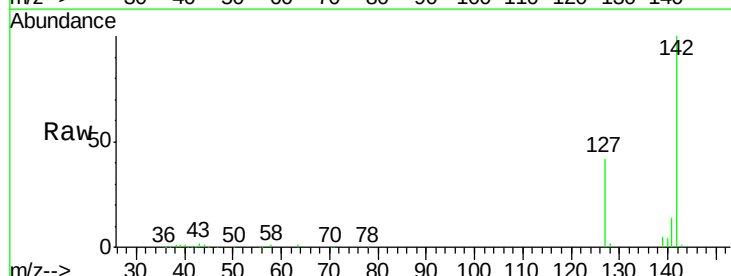
RT: 2.51 min Scan# 222

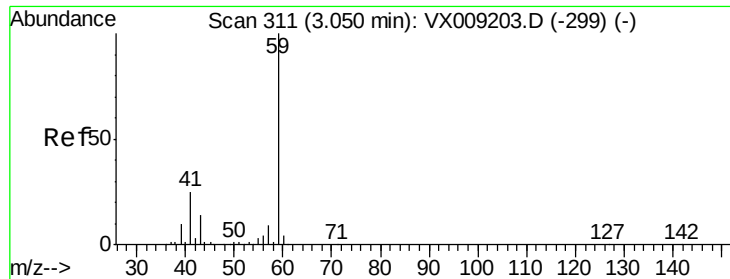
Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Tgt Ion:	142	Resp:	36020
Ion Ratio	Lower	Upper	
142	100		
127	41.1	32.7	49.1
141	14.1	11.5	17.3





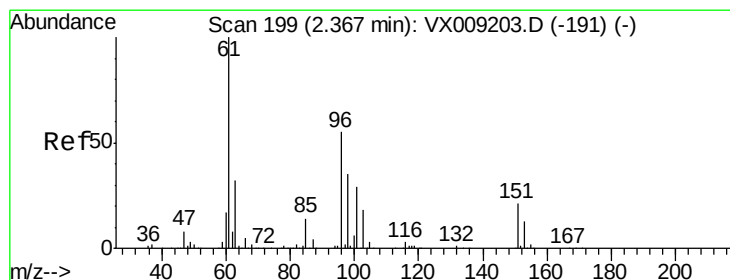
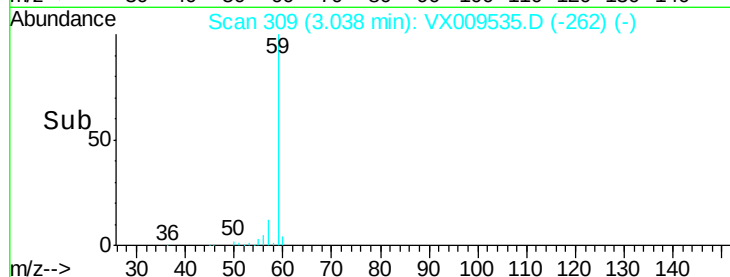
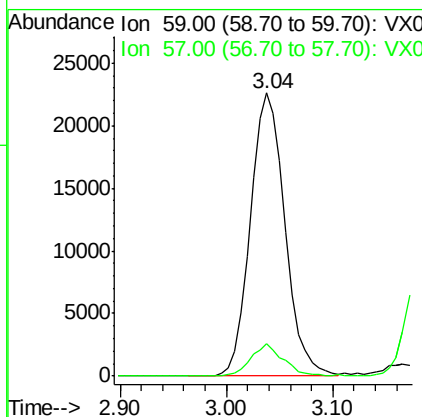
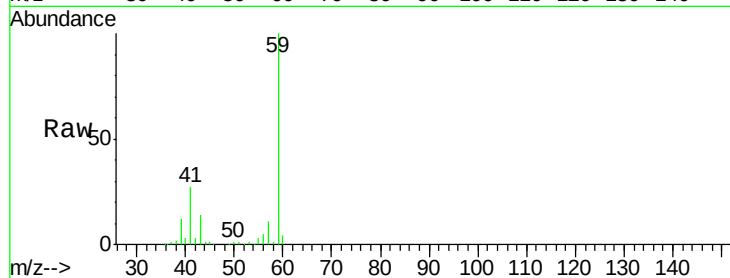
#11
Tert butyl alcohol
Concen: 93.846 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

Tot Ion: 59 Resp: 51548
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.2

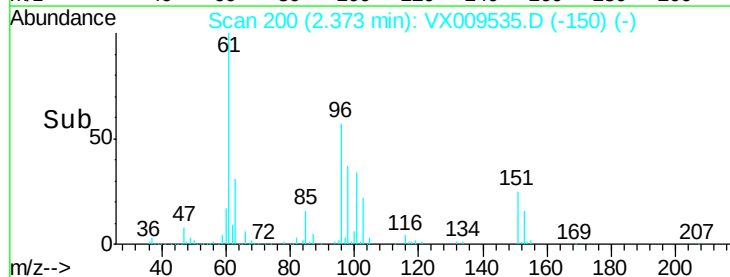
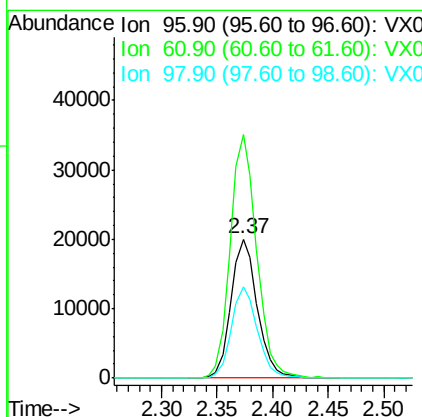
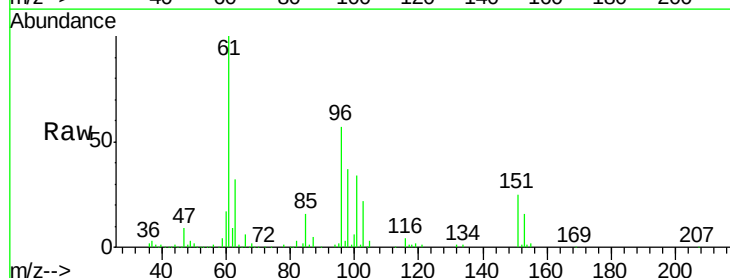
Manual Integrations
APPROVED

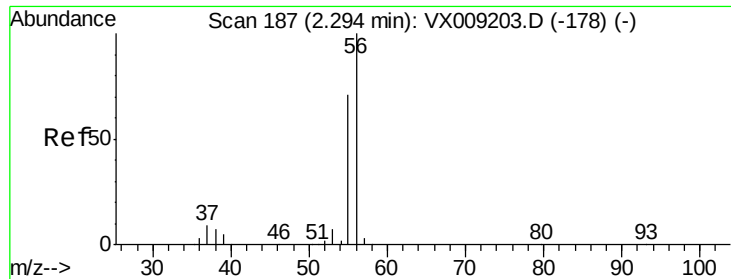
MMDadoda
5/14/2019 12:15:52 PM



#12
1,1-Dichloroethene
Concen: 20.087 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Tgt Ion: 96 Resp: 32763
Ion Ratio Lower Upper
96 100
61 175.0 144.3 216.5
98 65.3 50.3 75.5





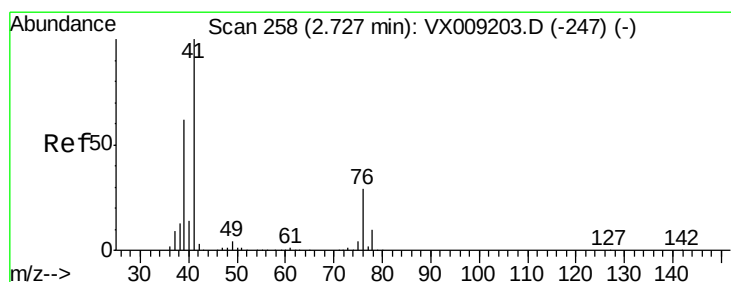
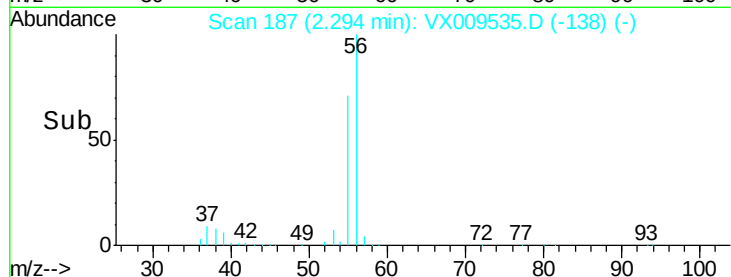
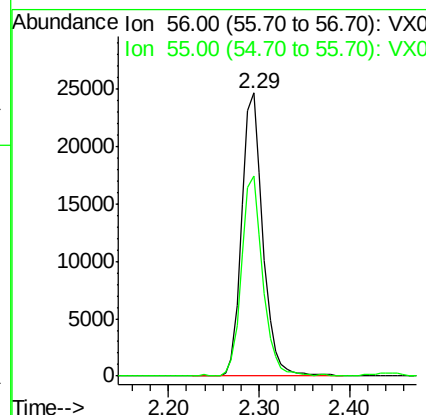
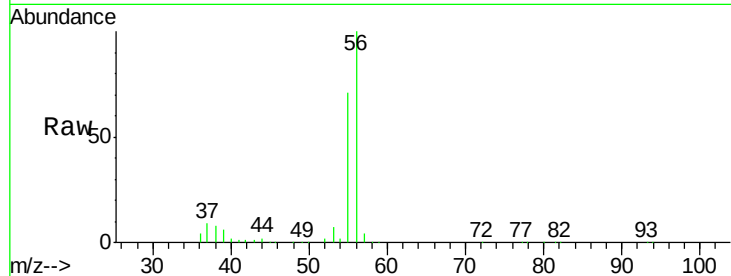
#13
Acrolein
Concen: 80.366 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.6	85.0

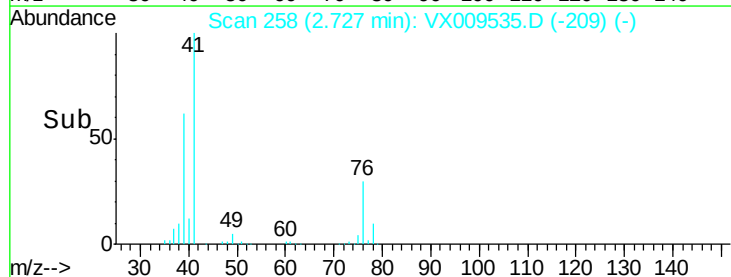
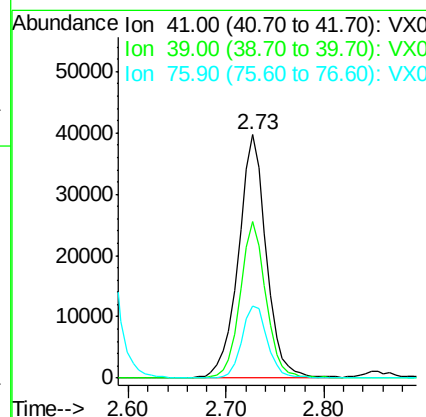
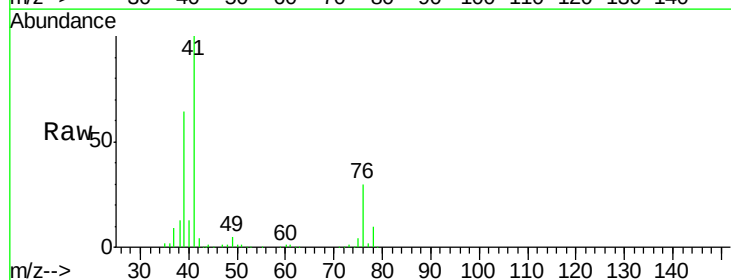
Manual Integrations
APPROVED

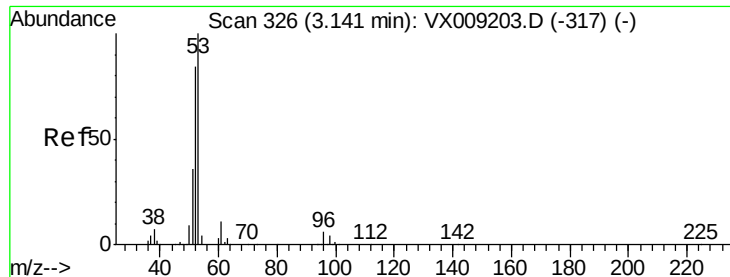
MMDadoda
5/14/2019 12:15:52 PM



#14
Allyl chloride
Concen: 19.789 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.6	46.7	70.1
76	26.8	21.8	32.8





#15

Acrylonitrile

Concen: 96.730 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

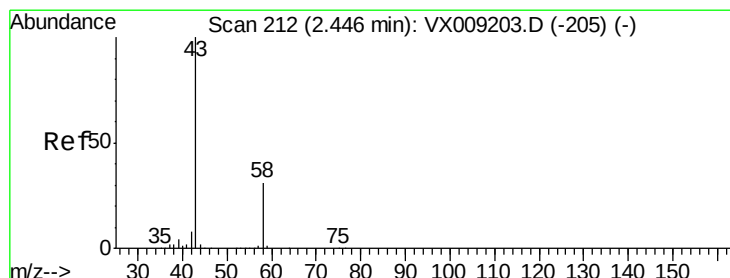
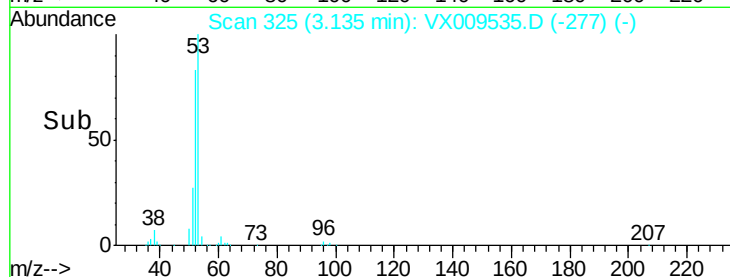
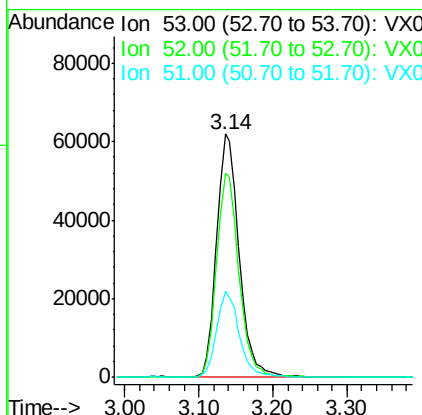
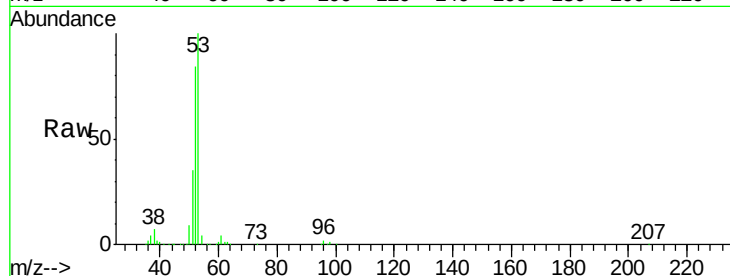
ClientSampleId :

VX0513WBS01

Tot Ion:	53	Resp:	129912
Ion Ratio		Lower	Upper
53	100		
52	83.4	66.9	100.3
51	35.7	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 98.215 ug/l

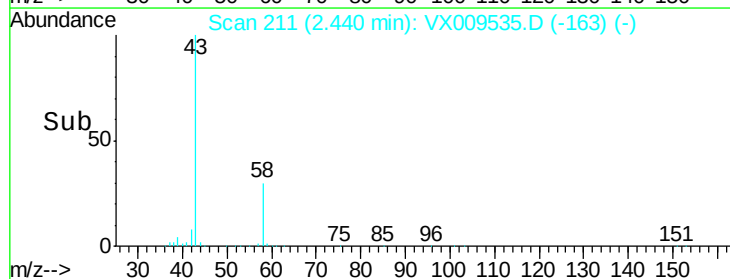
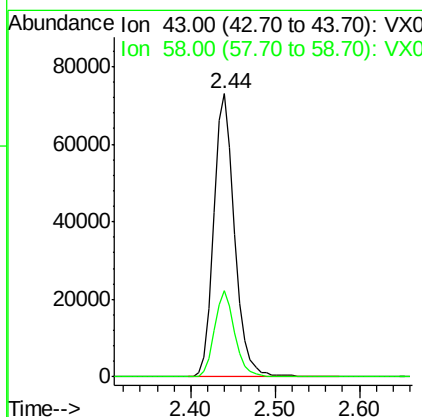
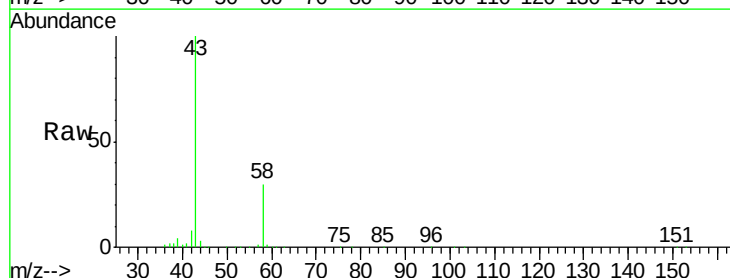
RT: 2.44 min Scan# 211

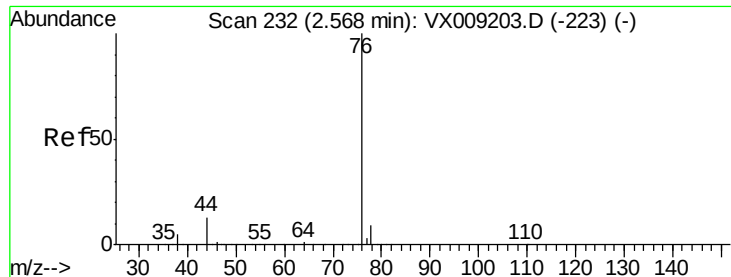
Delta R.T. -0.01 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Tgt Ion:	43	Resp:	125145
Ion Ratio		Lower	Upper
43	100		
58	30.4	24.9	37.3





#17

Carbon Disulfide

Concen: 20.653 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tot Ion: 76 Resp: 94576

Ion Ratio Lower Upper

76 100

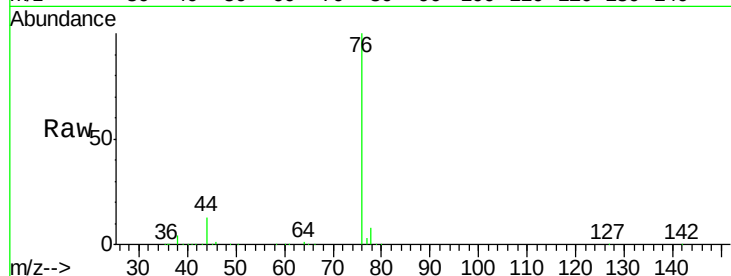
78 8.4 7.4 11.0

Manual Integrations

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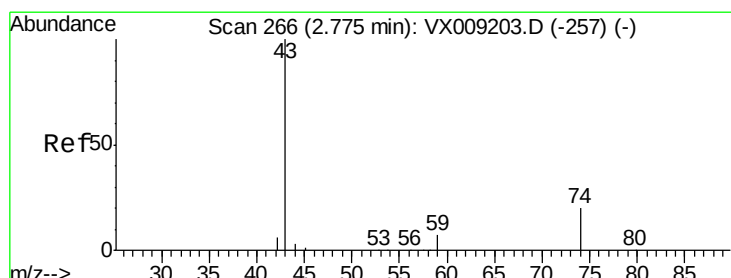
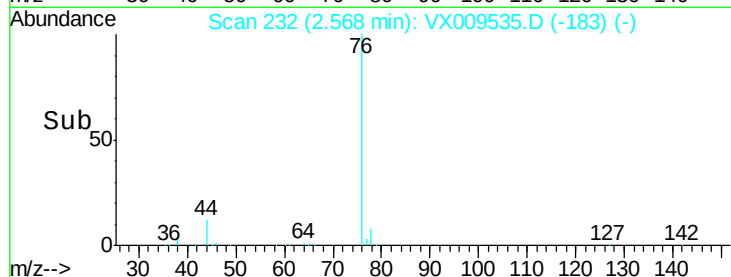
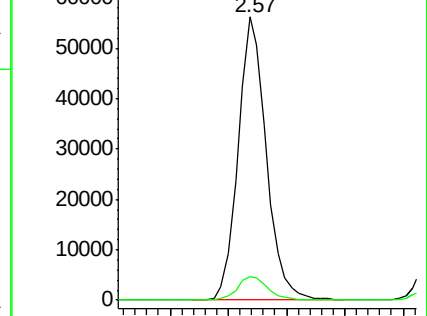
MMDadoda

5/14/2019 12:15:52 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 18.481 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX009535.D

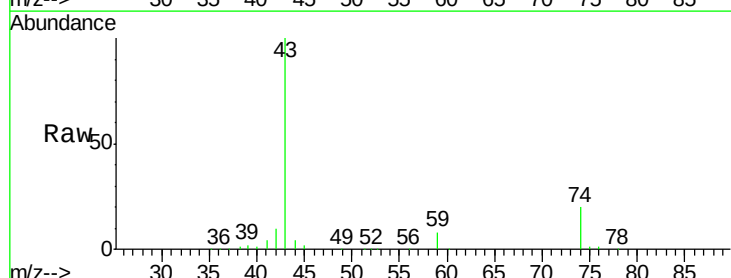
Acq: 13 May 2019 12:02

Tgt Ion: 43 Resp: 56002

Ion Ratio Lower Upper

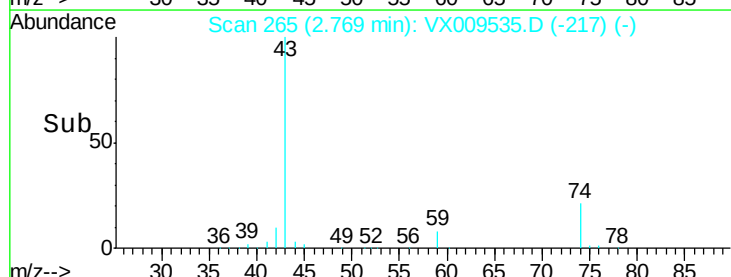
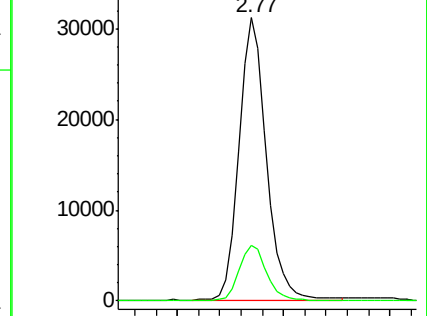
43 100

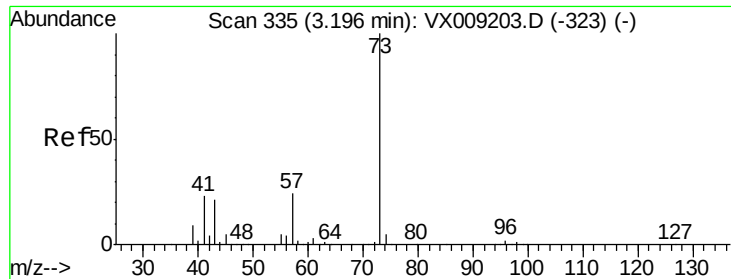
74 20.5 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





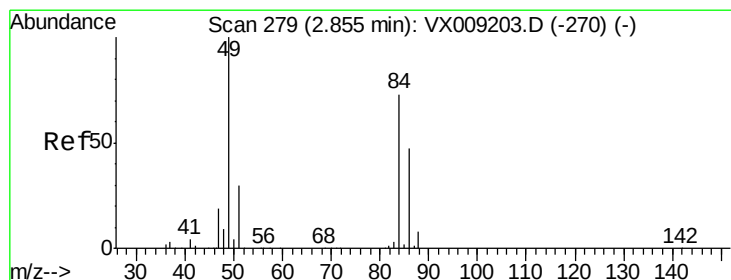
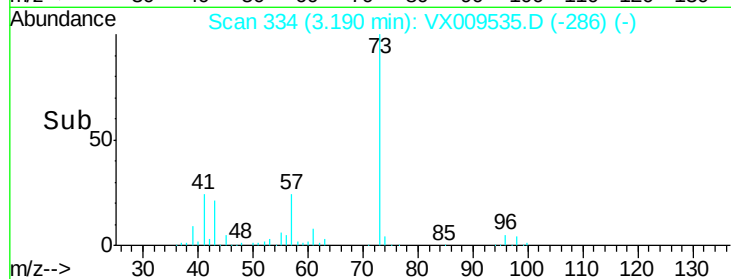
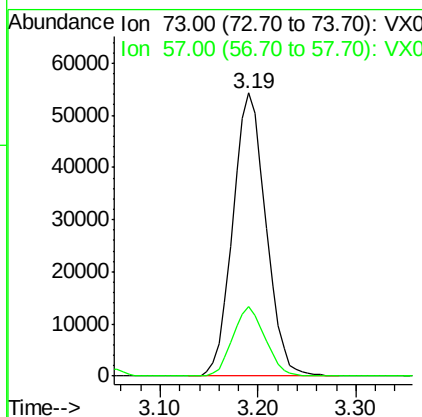
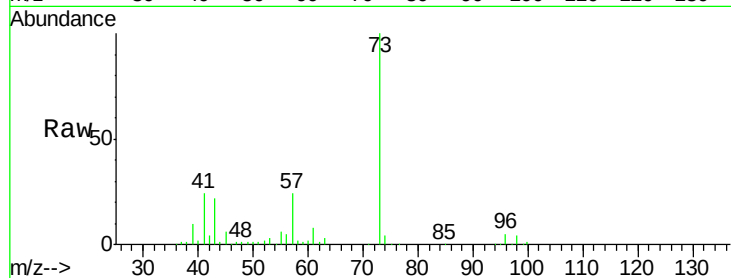
#19
Methyl tert-butyl Ether
Concen: 20.137 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.3	19.3	28.9

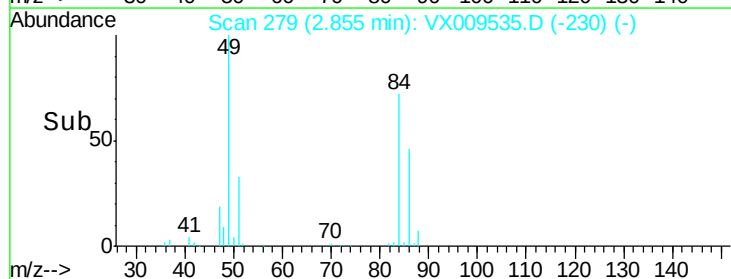
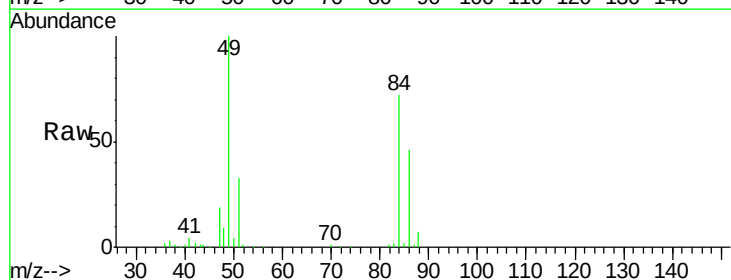
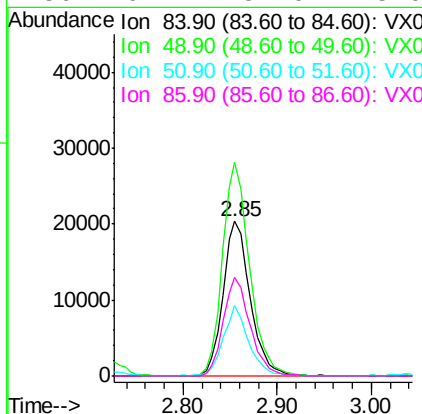
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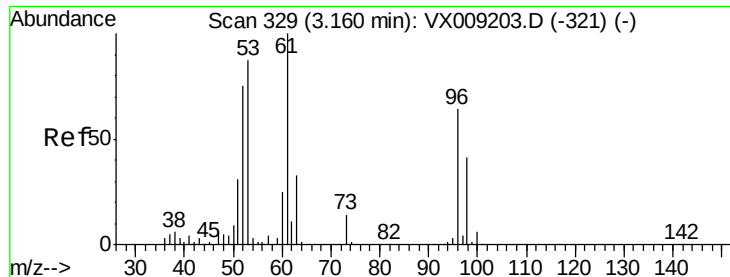
MMDadoda
5/14/2019 12:15:52 PM



#20
Methylene Chloride
Concen: 19.691 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.3	109.9	164.9
51	45.4	32.7	49.1
86	64.2	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 20.753 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tot Ion: 96 Resp: 36709

Ion Ratio Lower Upper

96 100

61 157.1 124.5 186.7

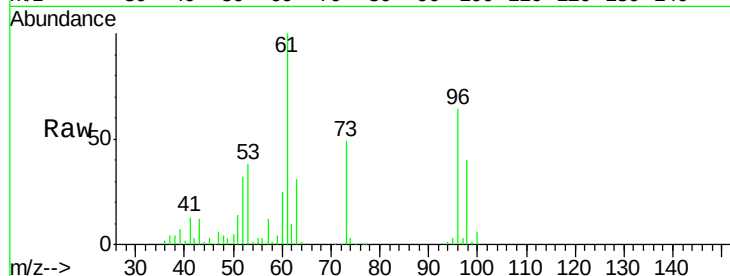
98 62.3 50.4 75.6

Manual Integrations

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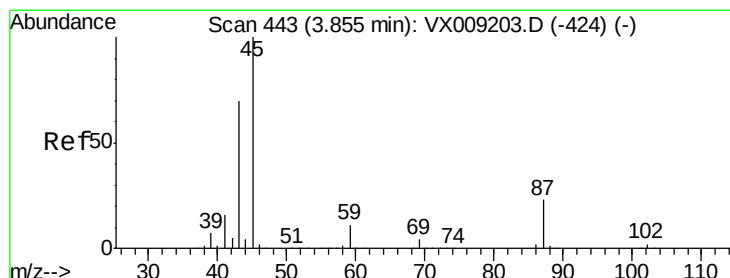
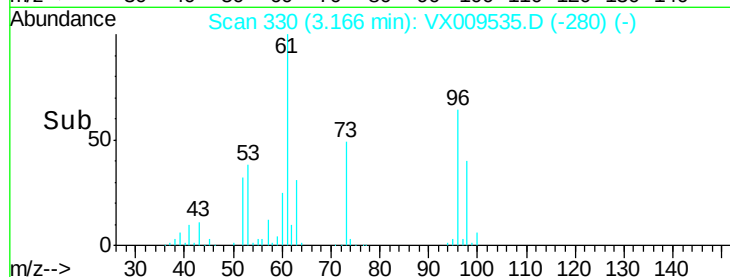
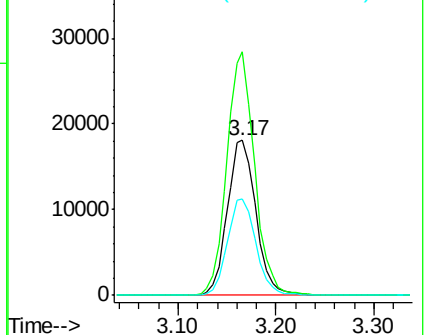
5/14/2019 12:15:52 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.148 ug/l

RT: 3.85 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Tgt Ion: 45 Resp: 154013

Ion Ratio Lower Upper

45 100

43 82.9 56.1 84.1

87 22.9 18.1 27.1

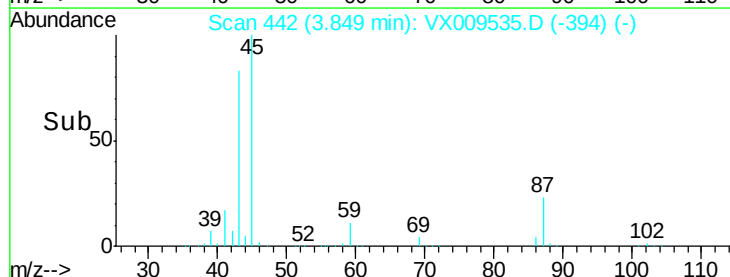
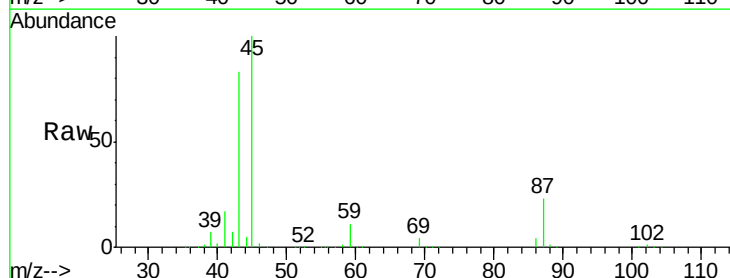
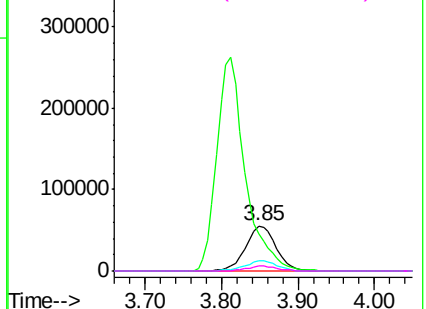
59 10.7 8.5 12.7

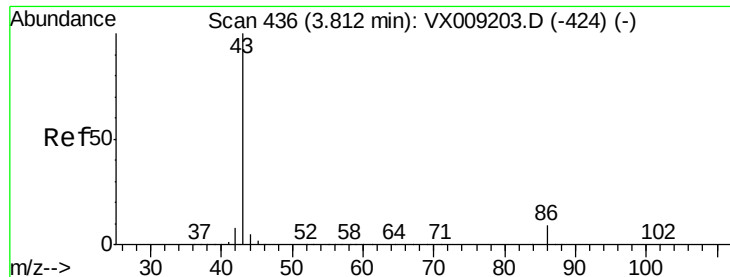
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 103.661 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tot Ion: 43 Resp: 678527

Ion Ratio Lower Upper

43 100

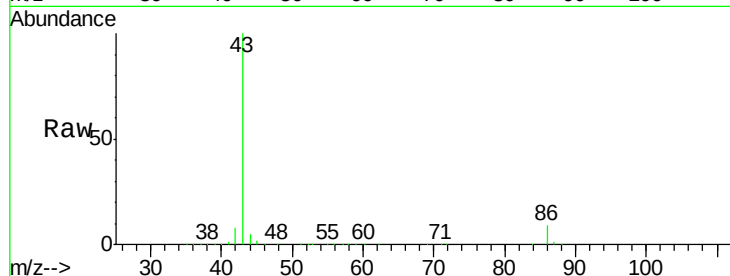
86 8.5 6.9 10.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

250000

200000

150000

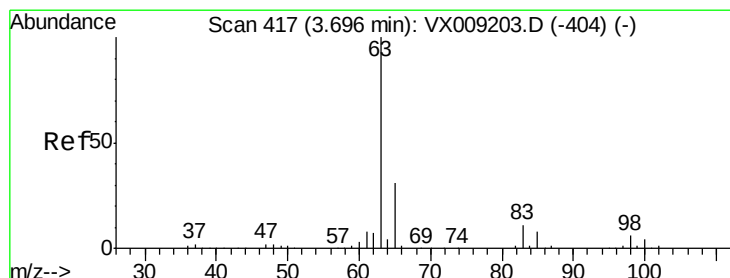
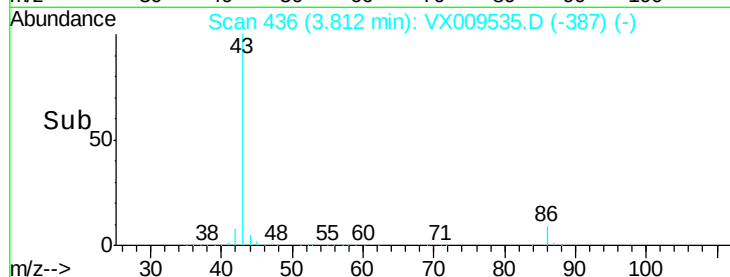
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 20.150 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

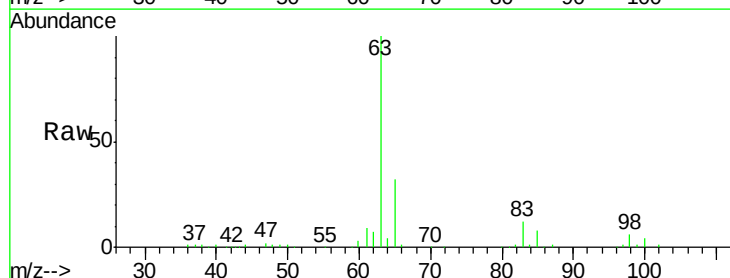
Tgt Ion: 63 Resp: 75983

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

100 3.5 2.0 6.0



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

40000

30000

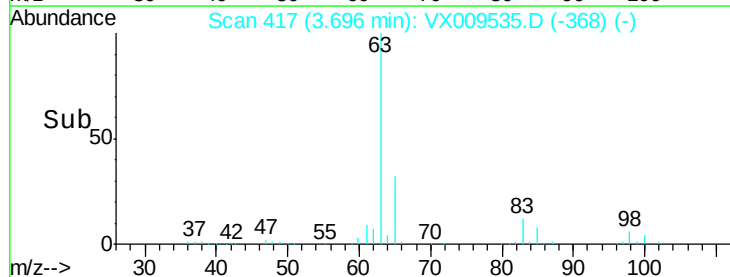
20000

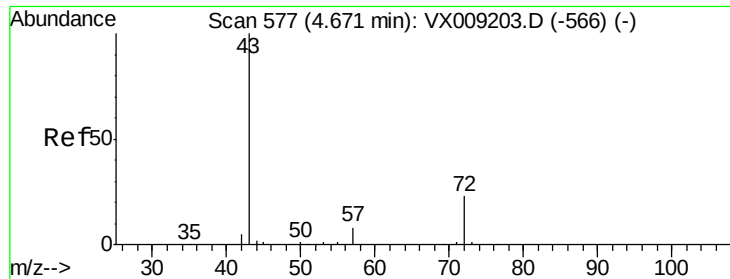
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 98.124 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tot Ion: 43 Resp: 194292

Ion Ratio Lower Upper

43 100

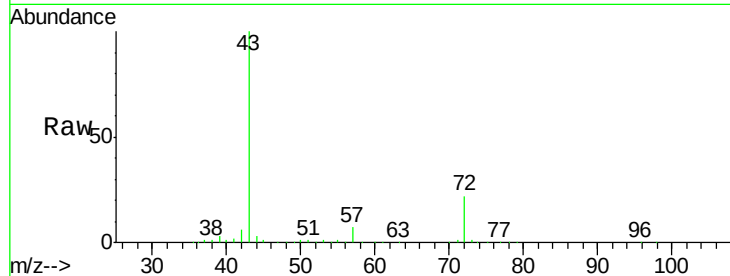
72 22.3 18.2 27.2

Manual Integrations

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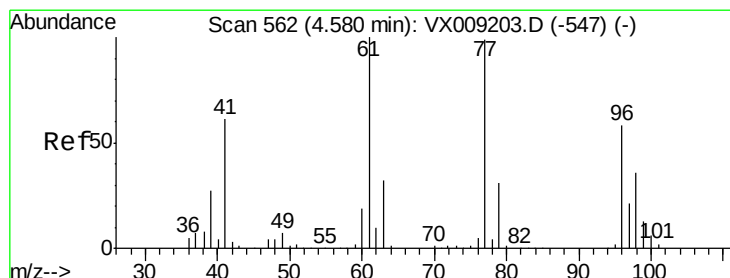
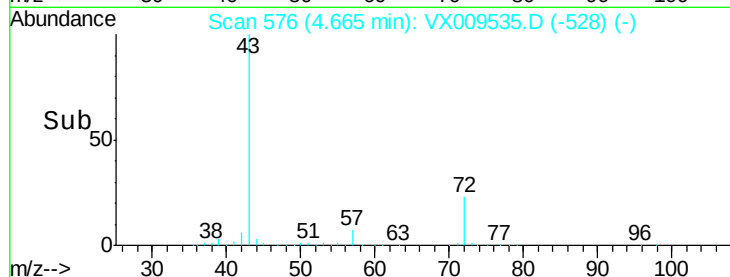
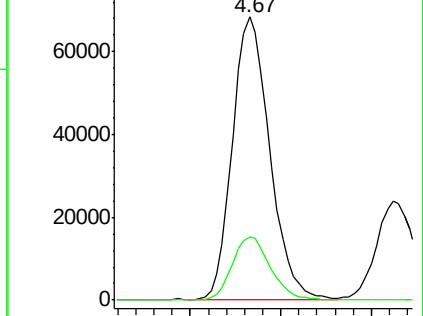
MMDadoda

5/14/2019 12:15:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 20.327 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009535.D

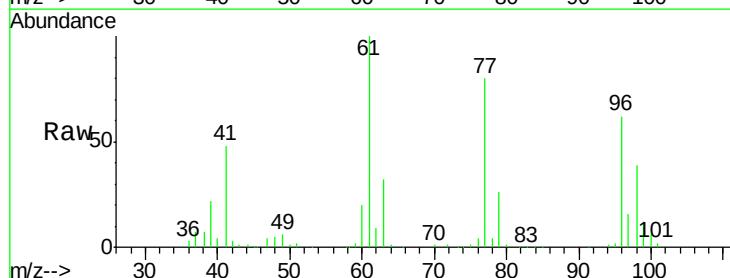
Acq: 13 May 2019 12:02

Tgt Ion: 77 Resp: 57055

Ion Ratio Lower Upper

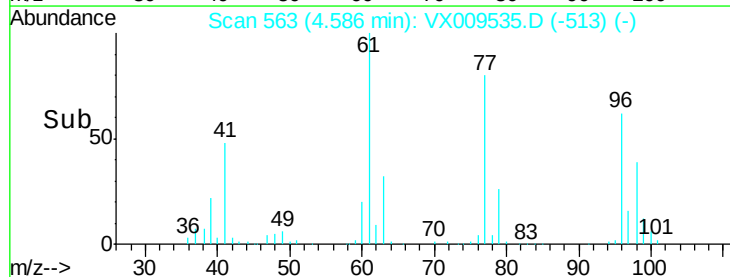
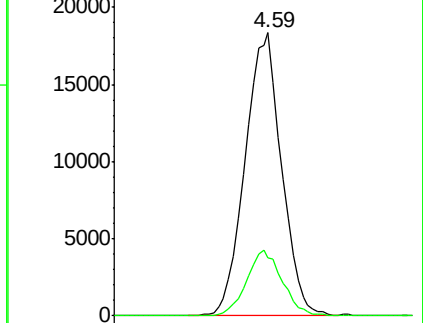
77 100

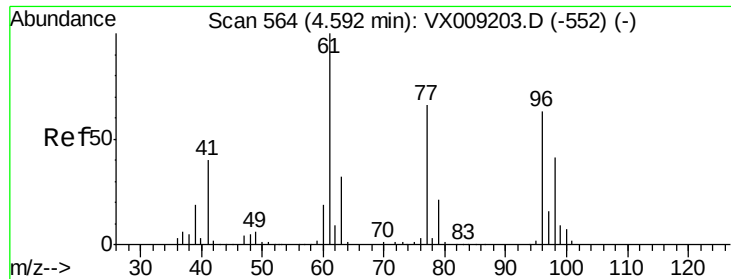
97 22.6 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

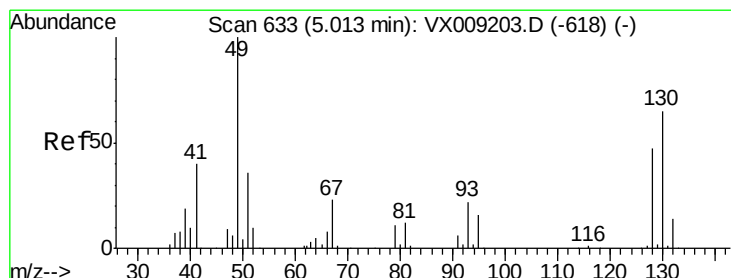
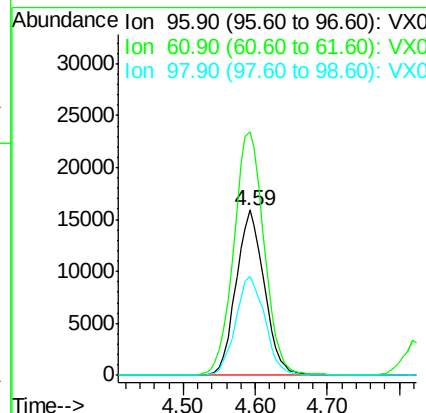
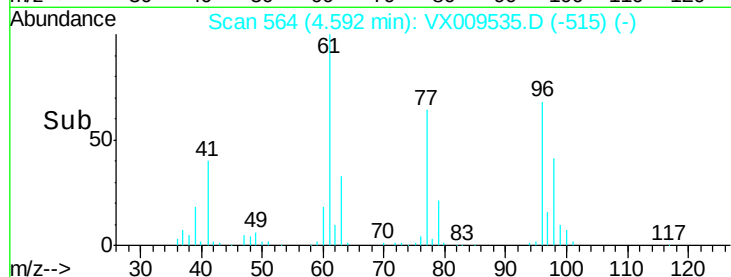
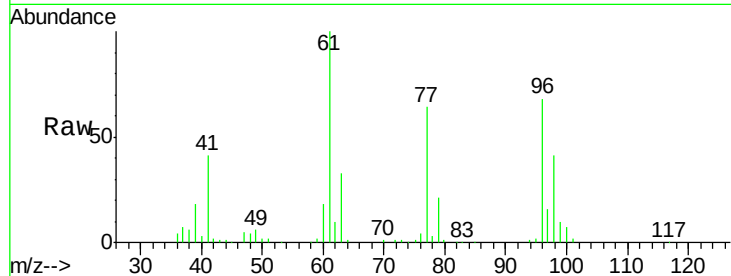
cis-1,2-Dichloroethene
 Concen: 20.608 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.6	0.0	324.0
98	61.6	0.0	130.4

Manual Integrations
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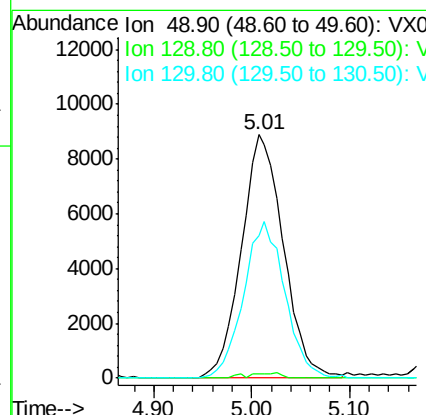
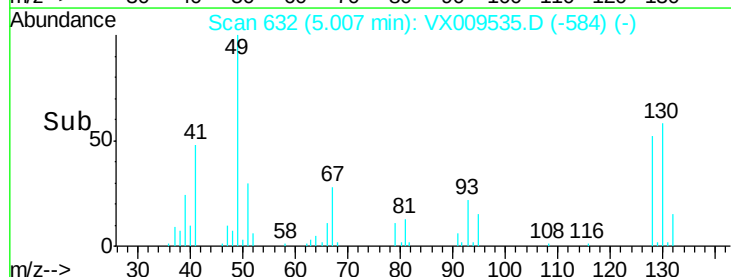
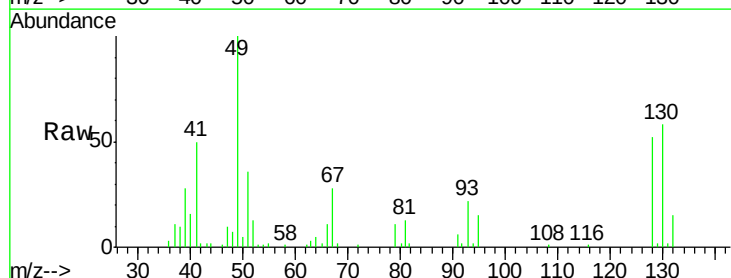
MMDadoda
 5/14/2019 12:15:52 PM

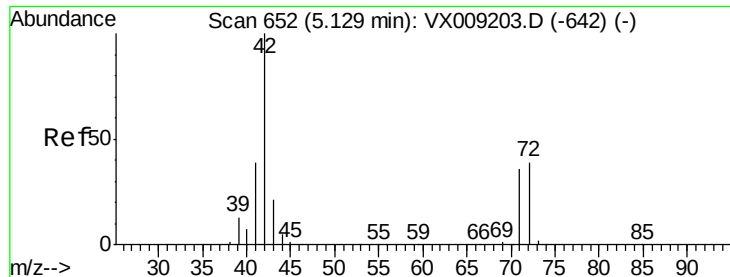


#28

Bromochloromethane
 Concen: 15.632 ug/l
 RT: 5.01 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.8
130	63.2	51.2	76.8





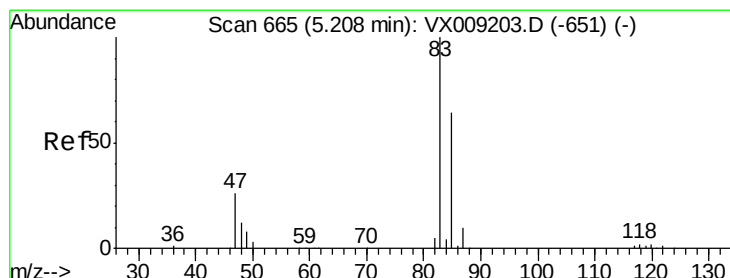
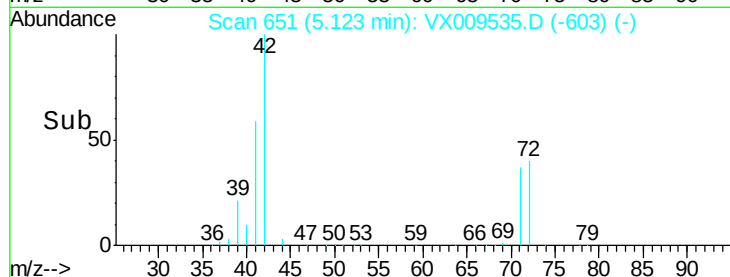
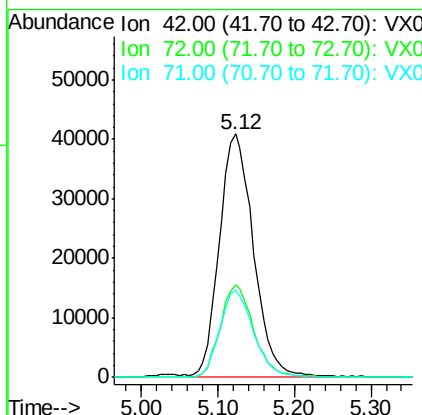
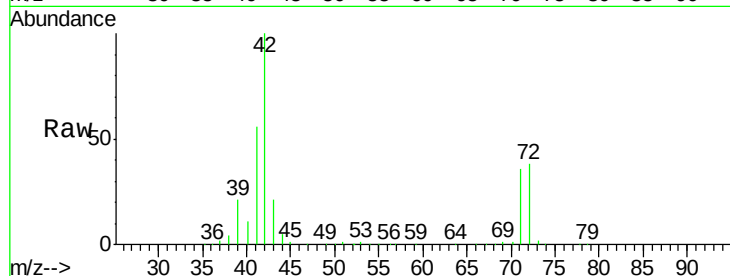
#29
Tetrahydrofuran
Concen: 97.926 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.1	30.4	45.6
71	35.7	28.6	43.0

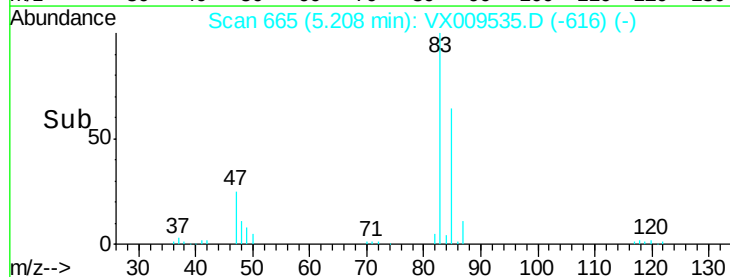
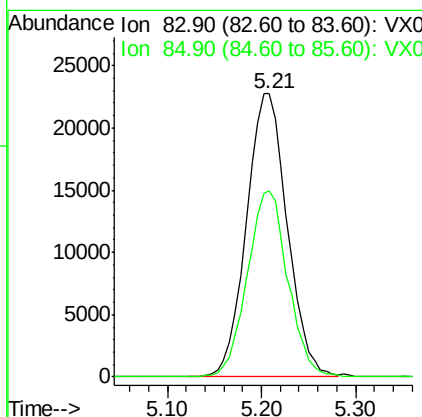
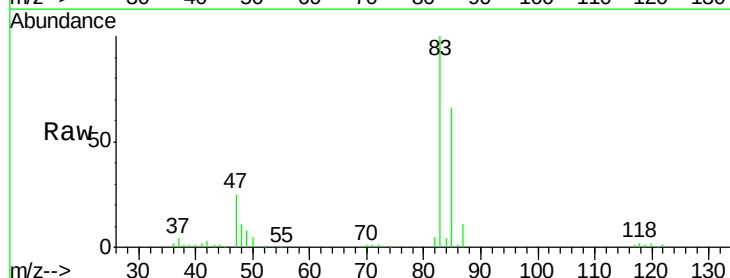
Manual Integrations
APPROVED

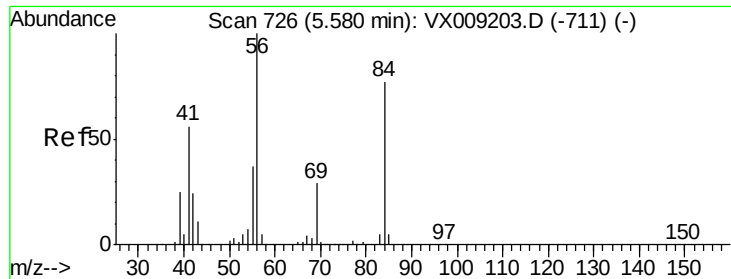
MMDadoda
5/14/2019 12:15:52 PM



#30
Chloroform
Concen: 20.188 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.5	77.3





#31

Cyclohexane

Concen: 20.981 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

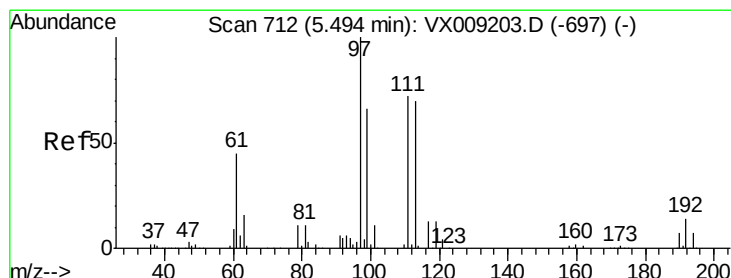
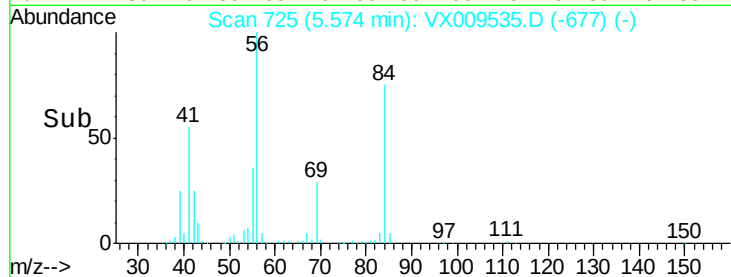
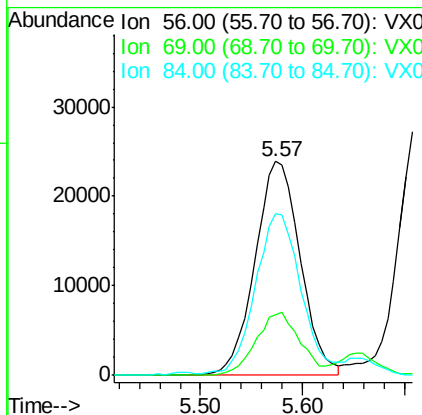
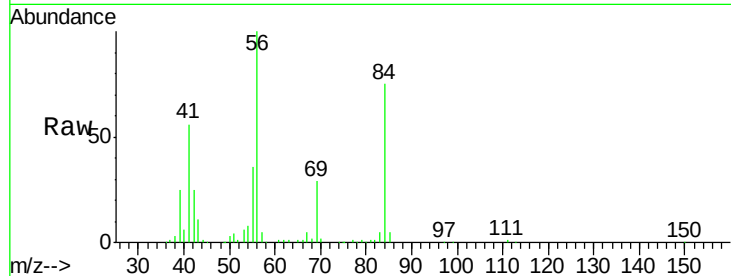
ClientSampleId :

VX0513WBS01

Tot Ion:	56	Resp:	73607
Ion	Ratio	Lower	Upper
56	100		
69	28.6	23.4	35.0
84	74.1	61.9	92.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.411 ug/l

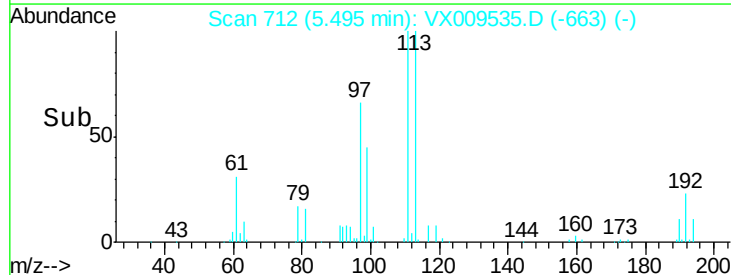
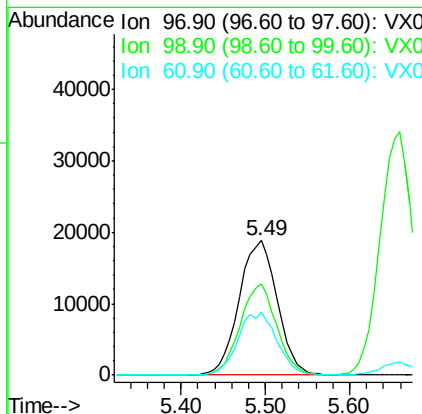
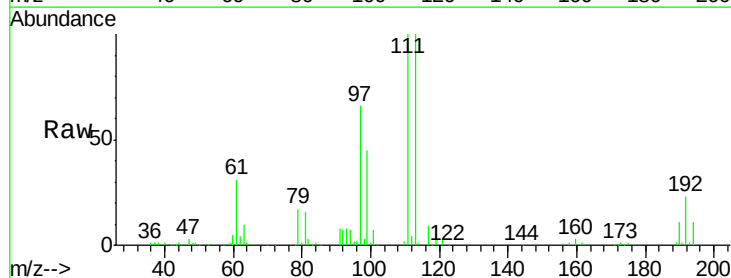
RT: 5.49 min Scan# 712

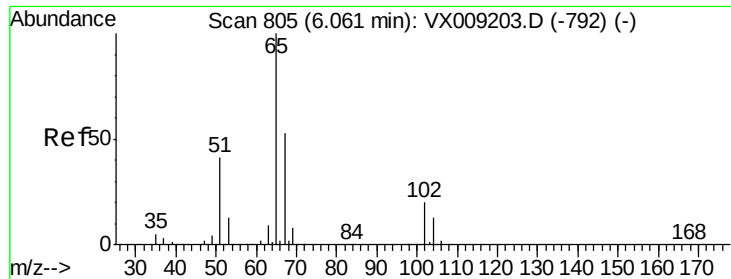
Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Tgt Ion:	97	Resp:	57949
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.8	77.8
61	47.8	37.8	56.8





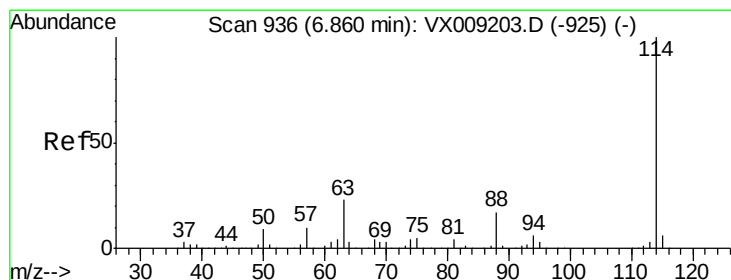
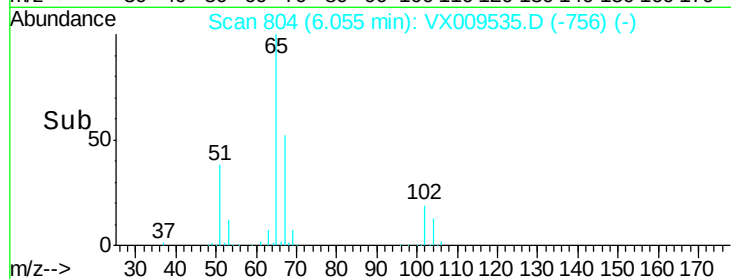
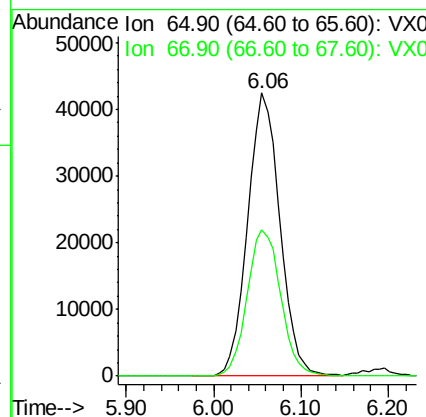
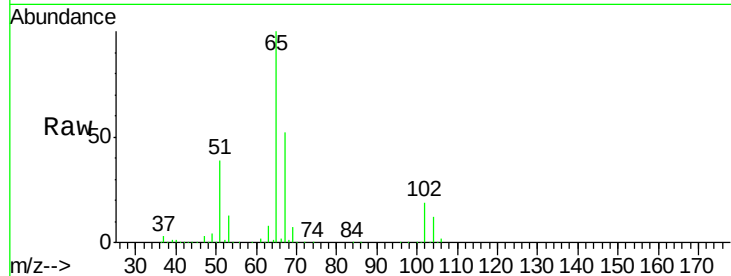
#33
 1,2-Dichloroethane-d4
 Concen: 45.950 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	109039		
67	53.9	0.0	106.6	

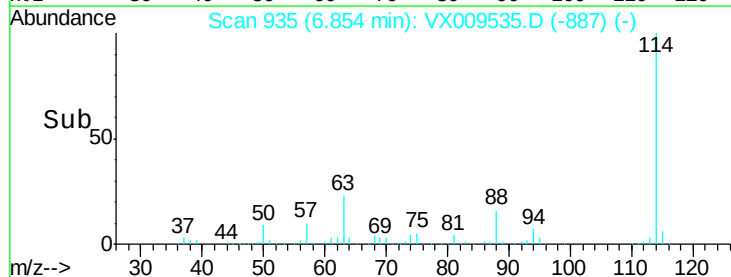
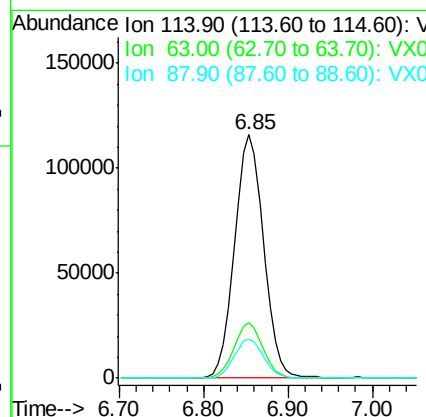
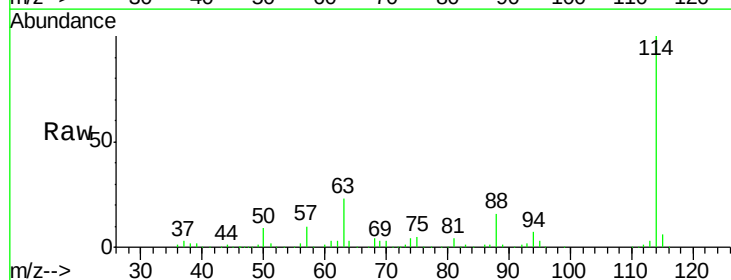
Manual Integrations
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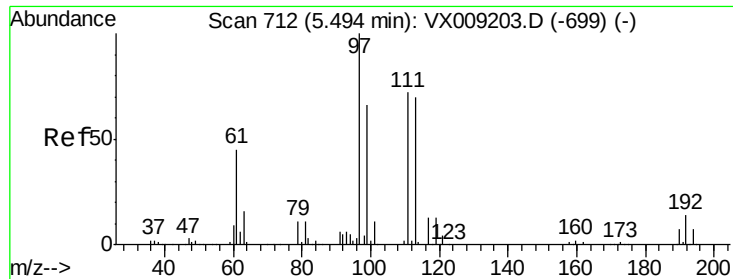
MMDadoda
 5/14/2019 12:15:52 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	270986		
63	22.8	0.0	45.6	
88	16.1	0.0	33.2	





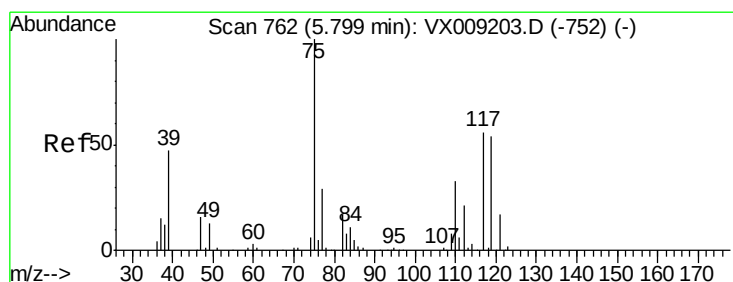
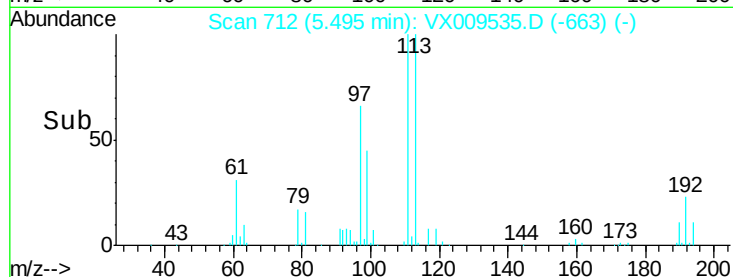
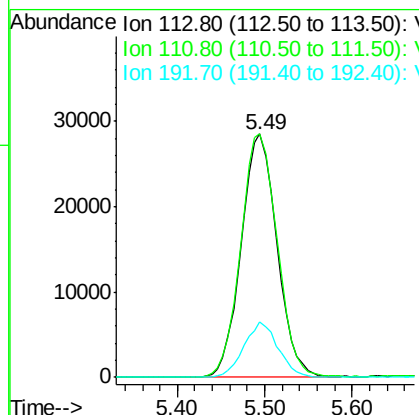
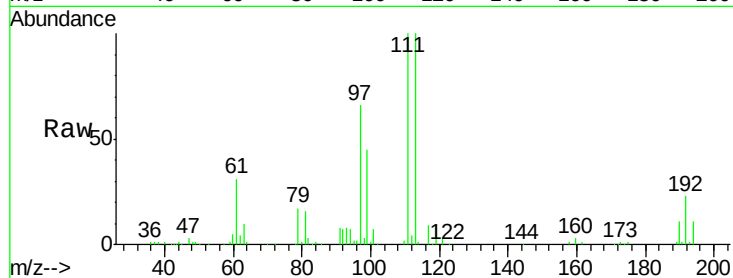
#35
Dibromofluoromethane
Concen: 47.651 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	81174		
111	102.3	82.8	124.2	
192	21.9	17.0	25.6	

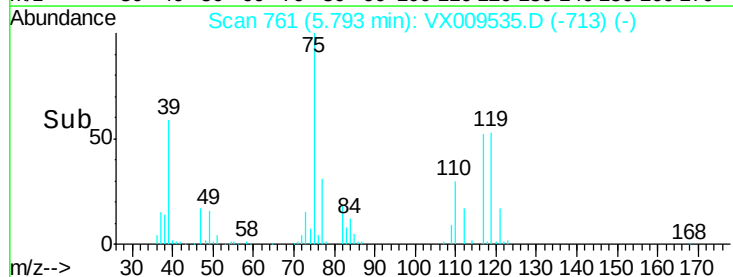
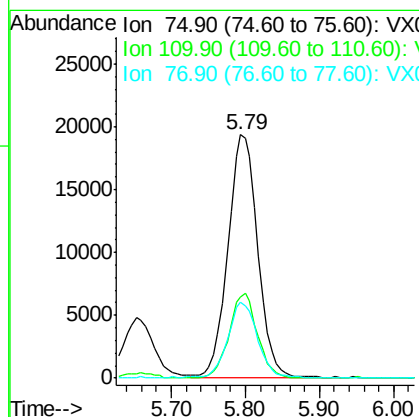
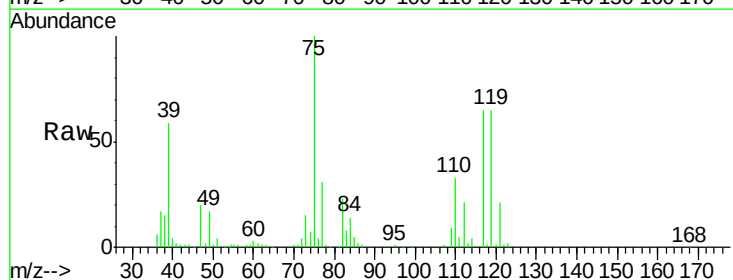
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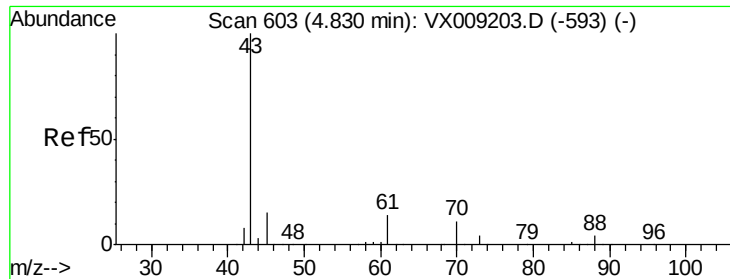
MMDadoda
5/14/2019 12:15:52 PM



#36
1,1-Dichloropropene
Concen: 21.655 ug/l
RT: 5.79 min Scan# 761
Delta R.T. -0.01 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	54533		
110	32.7	16.9	50.6	
77	31.2	24.8	37.2	





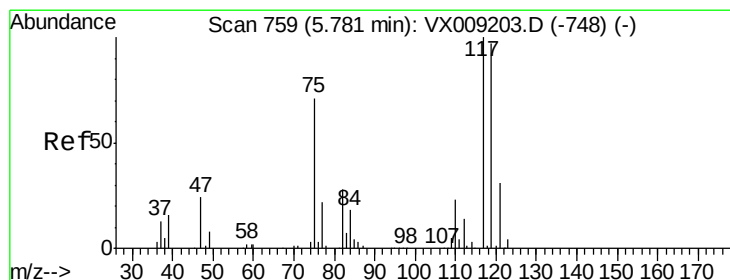
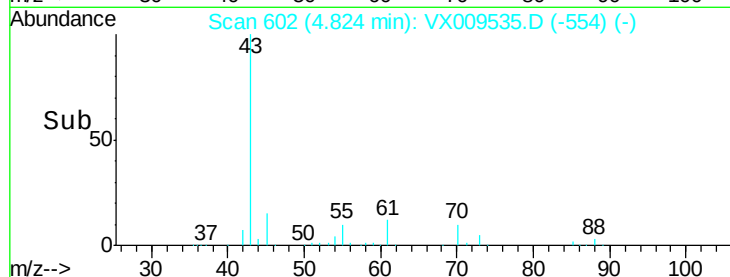
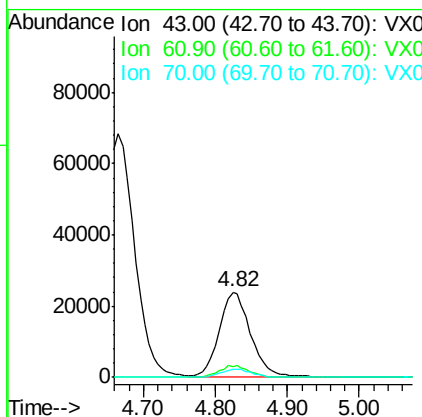
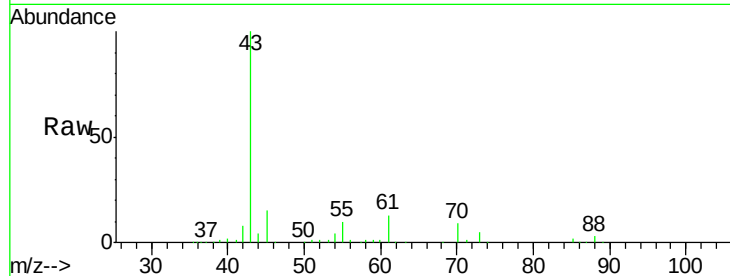
#37
Ethyl Acetate
Concen: 20.414 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.01 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.5	15.7
70	9.7	7.9	11.9

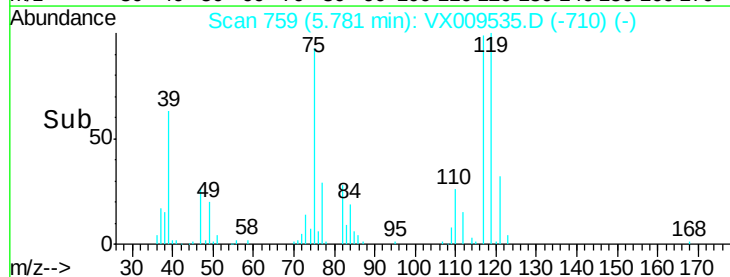
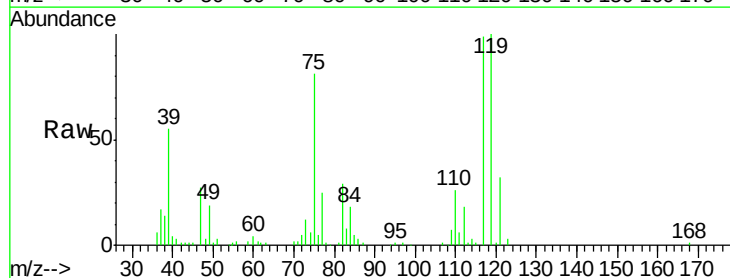
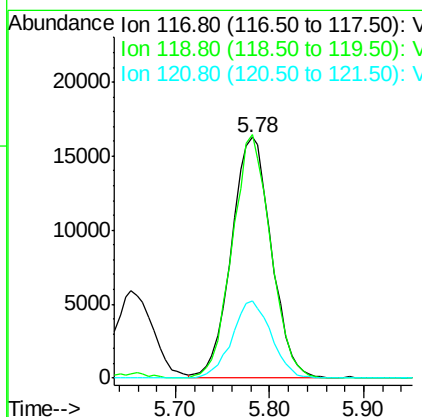
Manual Integrations
APPROVED

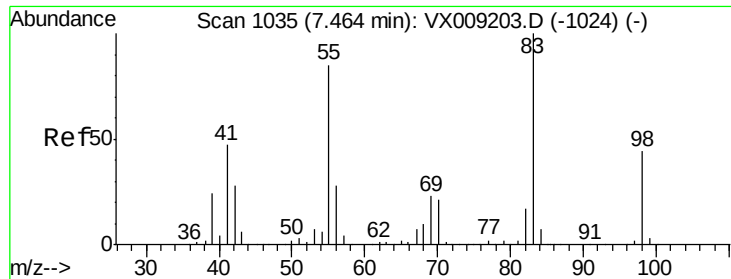
MMDadoda
5/14/2019 12:15:52 PM



#38
Carbon Tetrachloride
Concen: 21.089 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.1	77.5	116.3
121	32.0	24.7	37.1





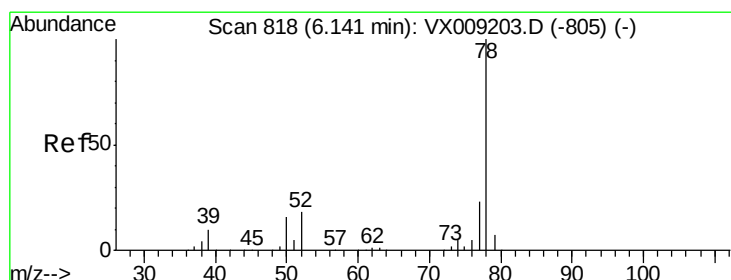
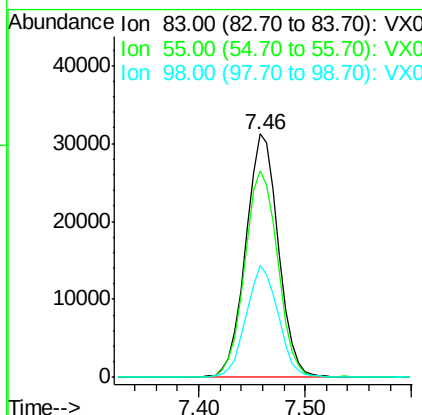
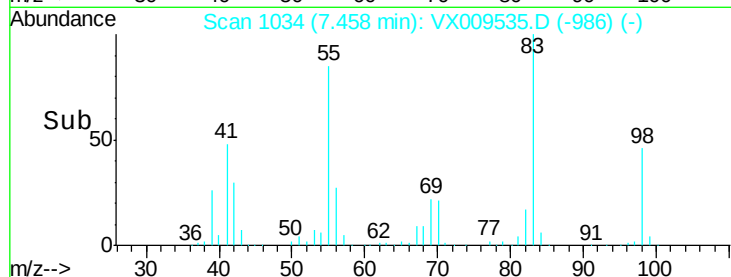
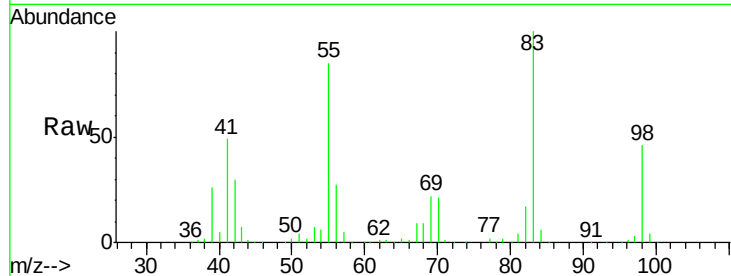
#39
Methylvlcyclohexane
Concen: 21.780 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

Tot Ion	83	Resp	67359
Ion Ratio	Lower	Upper	
83	100		
55	84.4	67.7	101.5
98	46.0	35.5	53.3

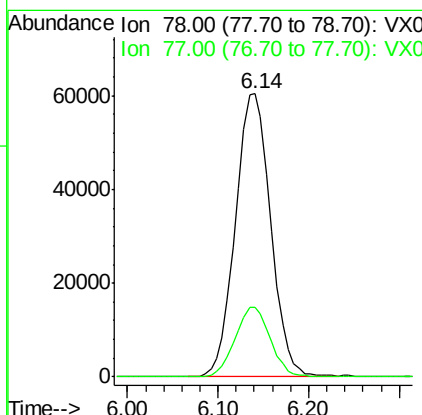
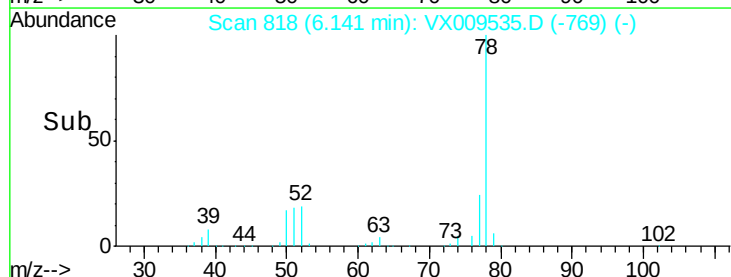
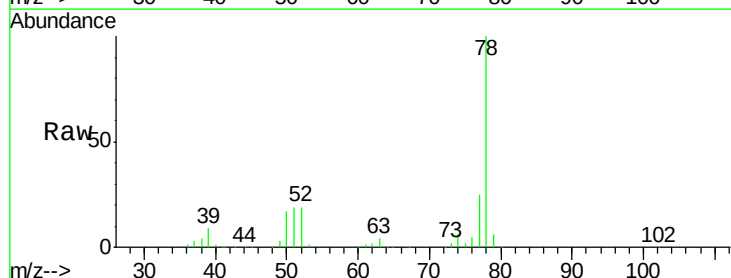
Manual Integrations
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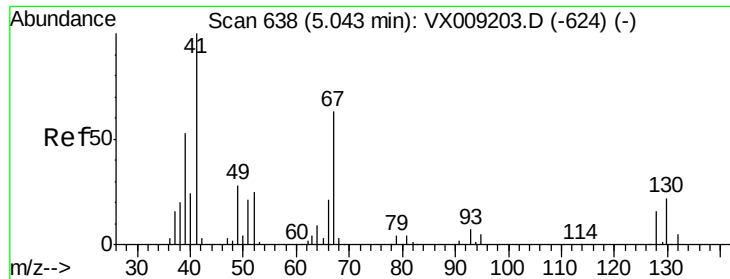
MMDadoda
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#40
Benzene
Concen: 20.952 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Tgt Ion	78	Resp	163297
Ion Ratio	Lower	Upper	
78	100		
77	24.7	18.8	28.2





#41

Methacrylonitrile

Concen: 19.585 ug/l

RT: 5.03 min Scan# 636

Delta R.T. -0.01 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

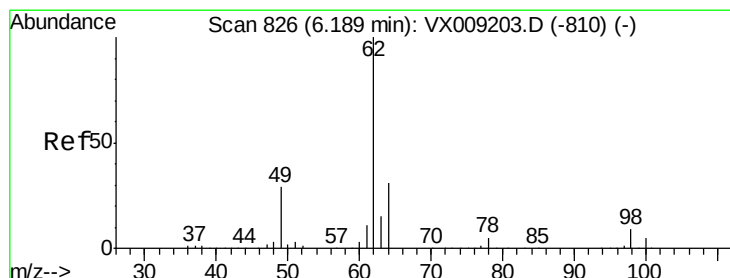
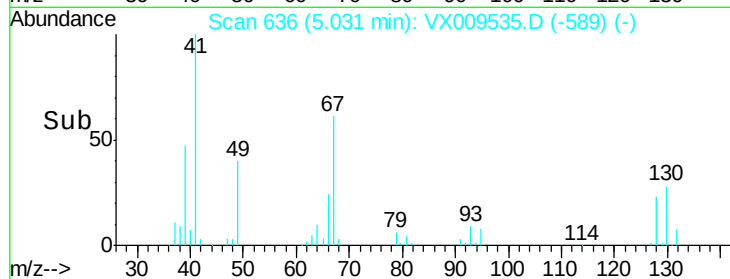
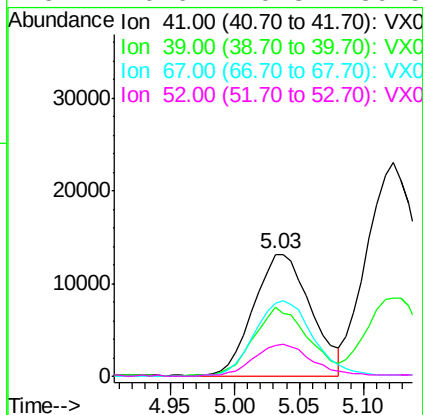
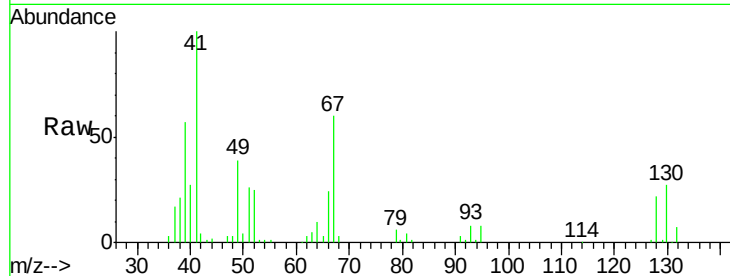
ClientSampleId :

VX0513WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.2	42.0	63.0	
67	63.6	49.8	74.8	
52	26.6	20.3	30.5	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 21.353 ug/l

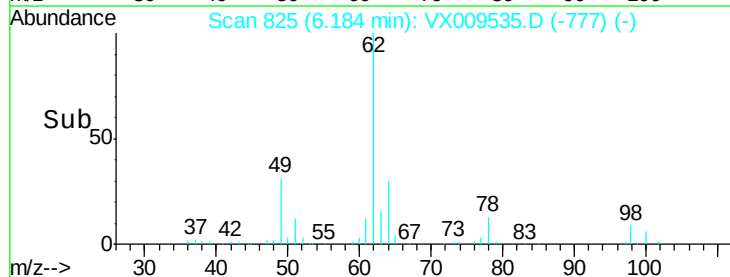
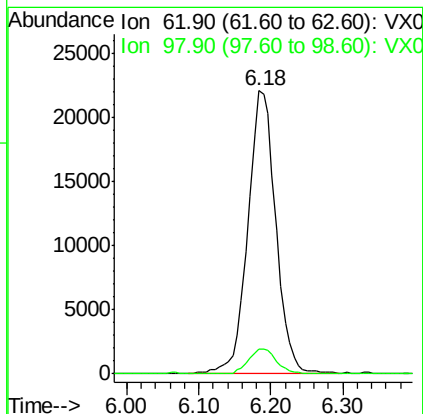
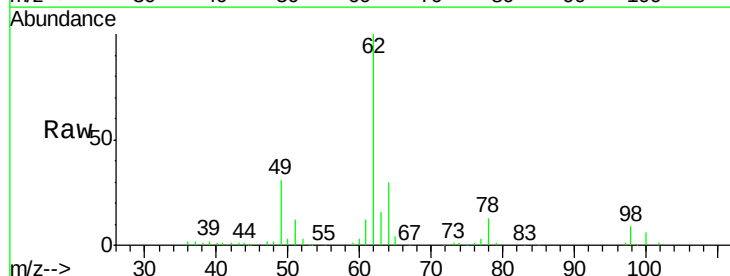
RT: 6.18 min Scan# 825

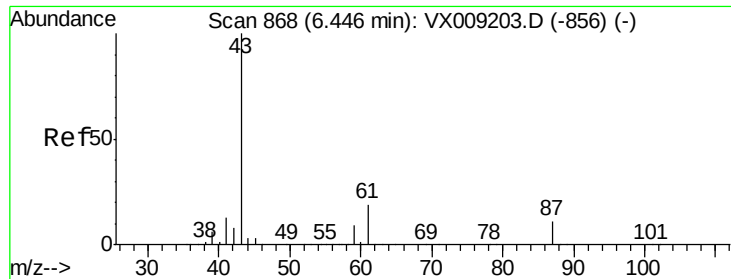
Delta R.T. -0.01 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	18.2	





#43

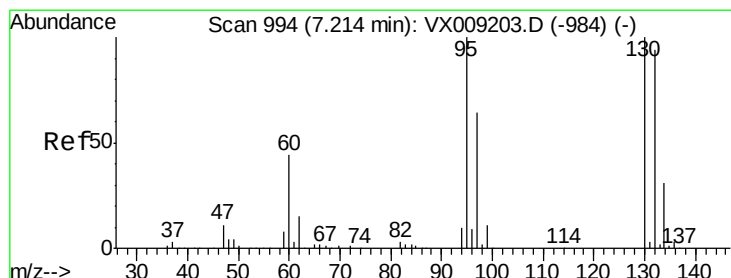
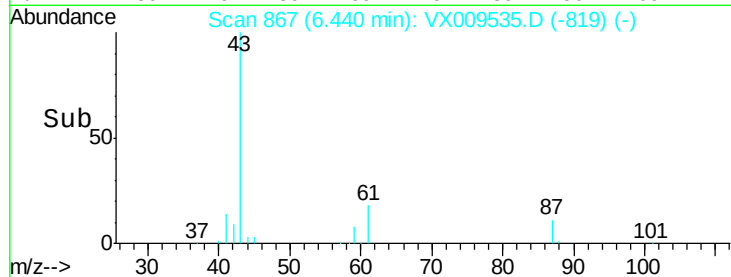
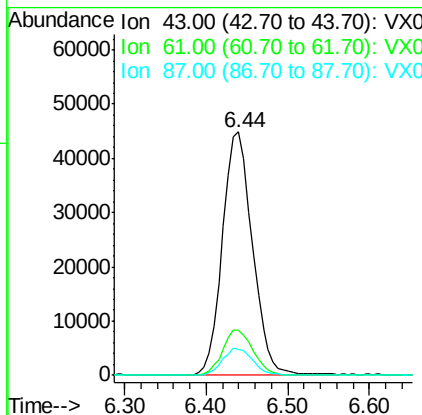
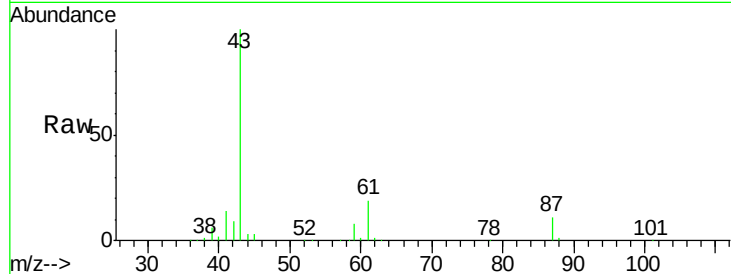
Isopropyl Acetate
 Concen: 20.229 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.1	22.7
87	11.3	9.0	13.6

Manual Integrations
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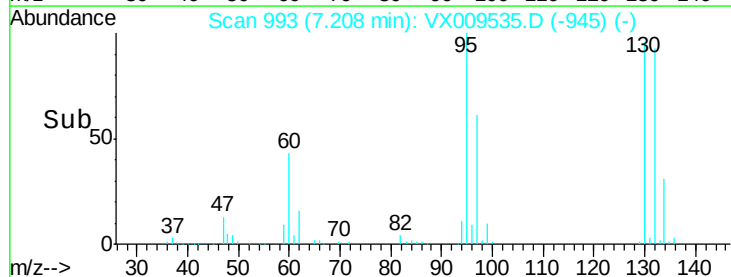
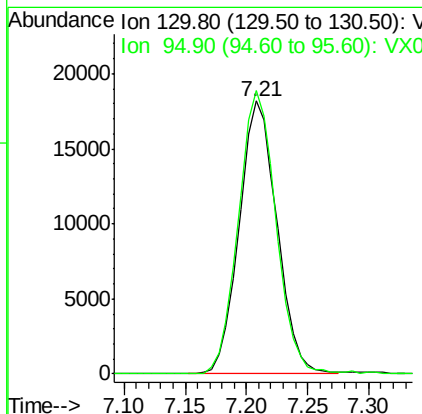
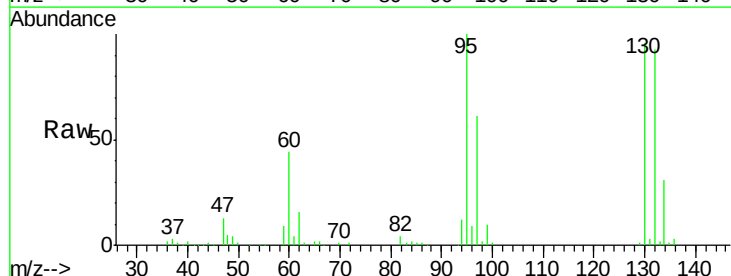
MMDadoda
 5/14/2019 12:15:52 PM

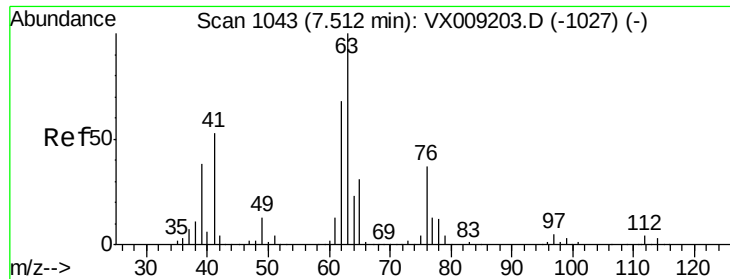


#44

Trichloroethene
 Concen: 20.715 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	199.2





#45

1,2-Dichloropropane

Concen: 21.041 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampled :

VX0513WBS01

Tot Ion: 63 Resp: 46435

Ion Ratio Lower Upper

63 100

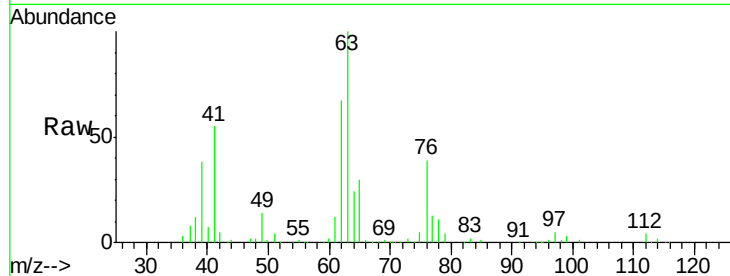
65 30.4 25.0 37.6

Manual Integrations

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MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

25000

20000

15000

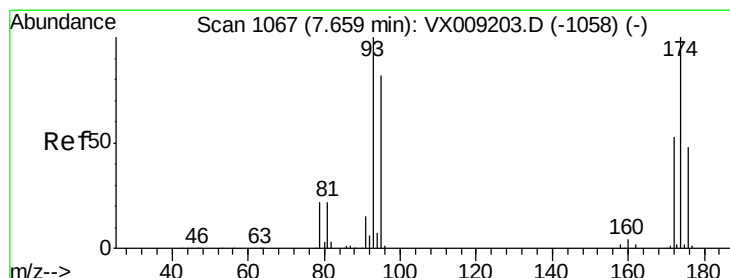
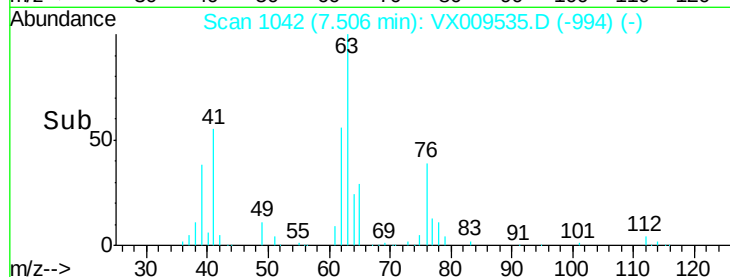
10000

5000

0

Time-->

7.40 7.50 7.60



#46

Dibromomethane

Concen: 20.608 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

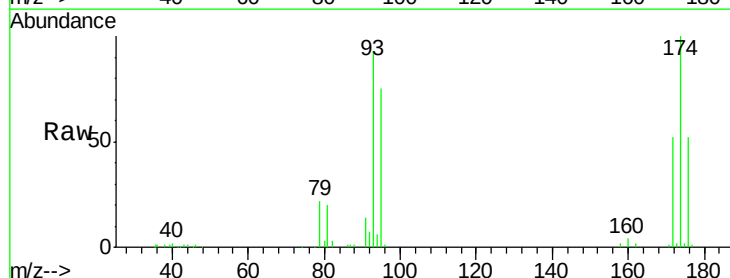
Tgt Ion: 93 Resp: 26410

Ion Ratio Lower Upper

93 100

95 82.9 66.5 99.7

174 107.1 82.1 123.1



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

20000

15000

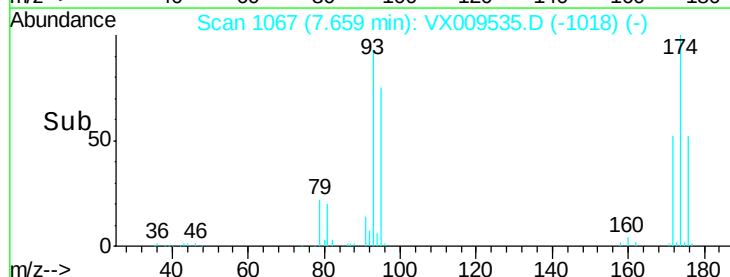
10000

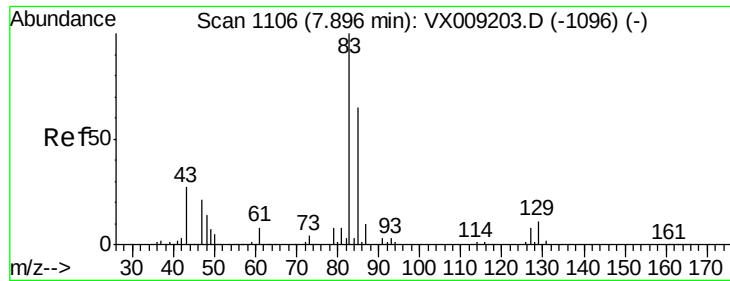
5000

0

Time-->

7.55 7.60 7.65 7.70 7.75





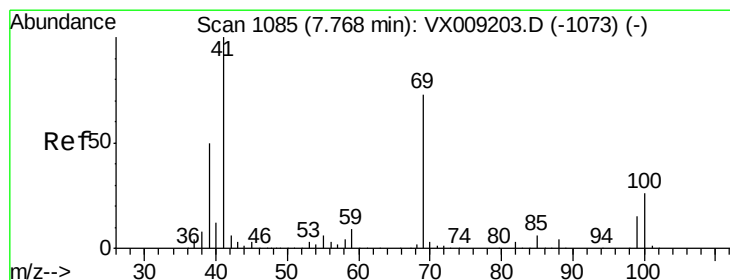
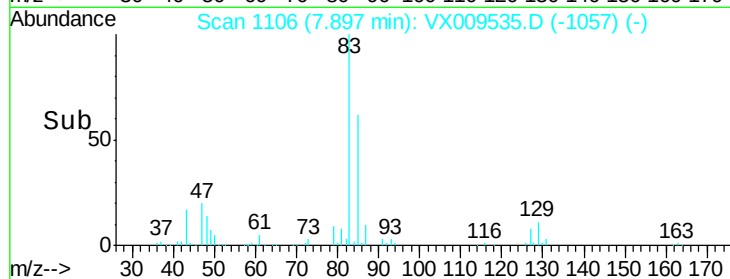
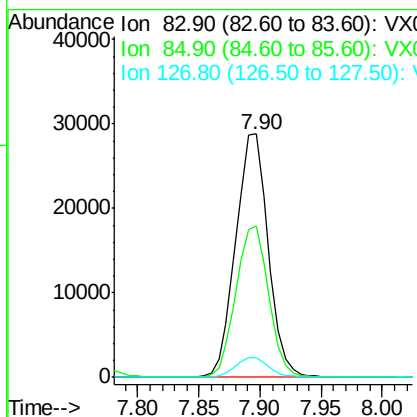
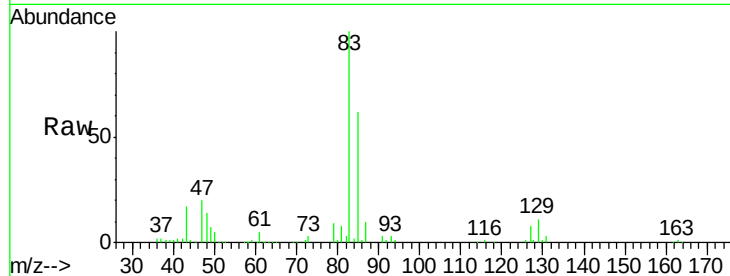
#47
Bromodichloromethane
Concen: 20.784 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

Tot Ion	83	Resp	53131
Ion Ratio	100	Lower	Upper
83	100		
85	62.3	52.4	78.6
127	8.2	6.6	10.0

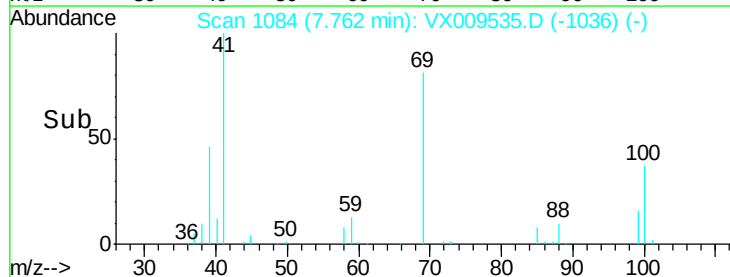
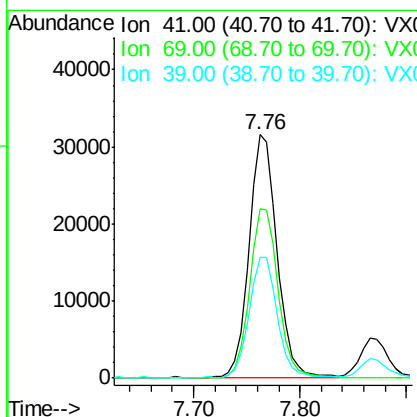
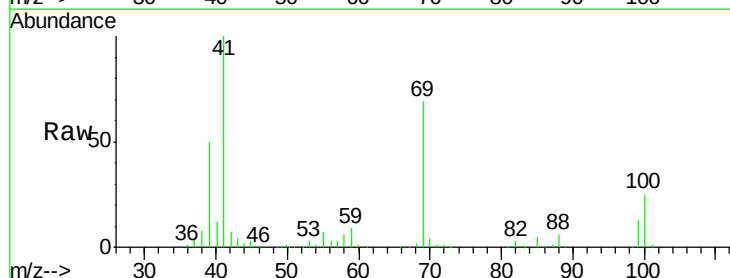
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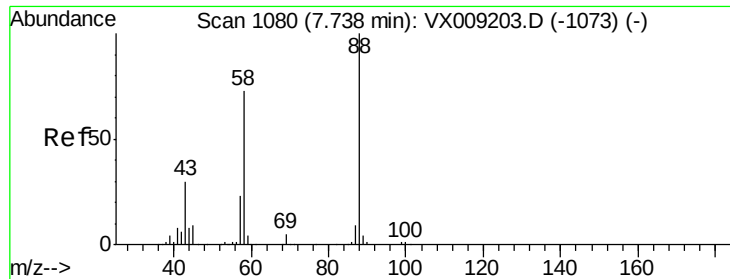
MMDadoda
5/14/2019 12:15:52 PM



#48
Methyl methacrylate
Concen: 20.750 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. -0.01 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Tgt Ion	41	Resp	57779
Ion Ratio	100	Lower	Upper
41	100		
69	71.6	59.1	88.7
39	51.6	40.4	60.6





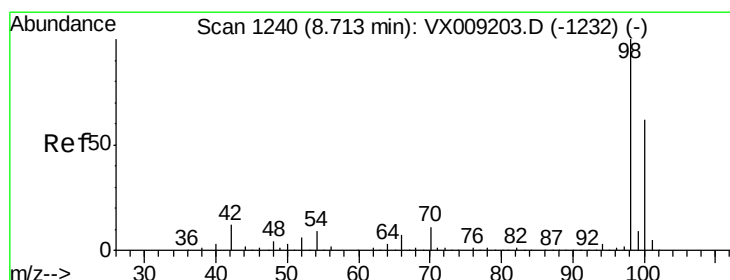
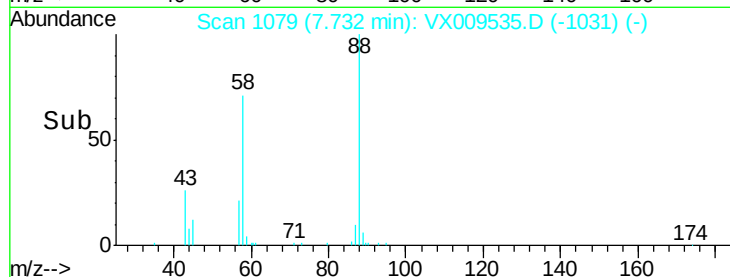
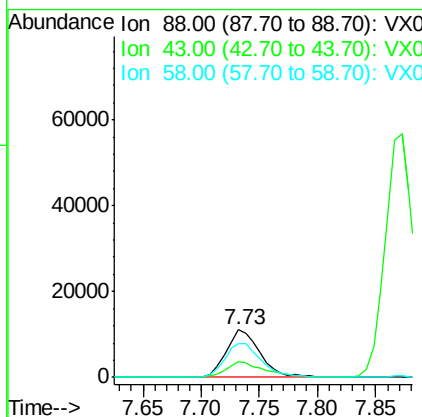
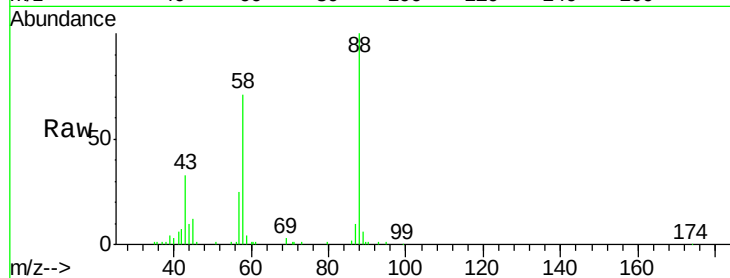
#49
1,4-Dioxane
Concen: 394.715 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	28.6	42.8
58	77.8	61.7	92.5

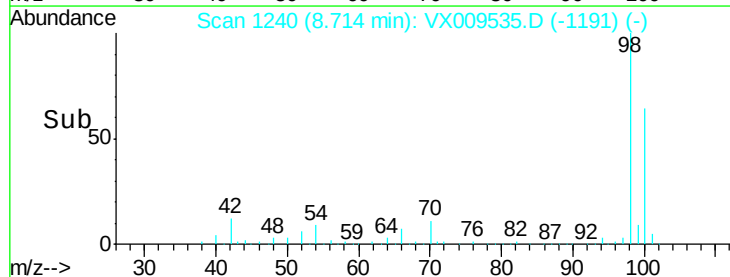
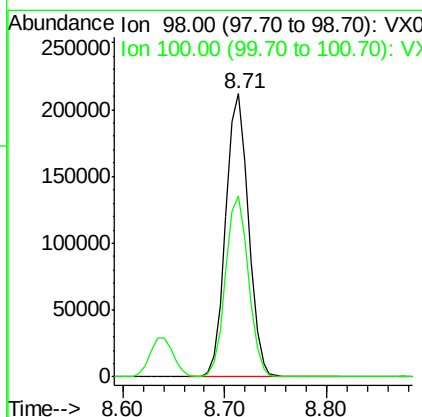
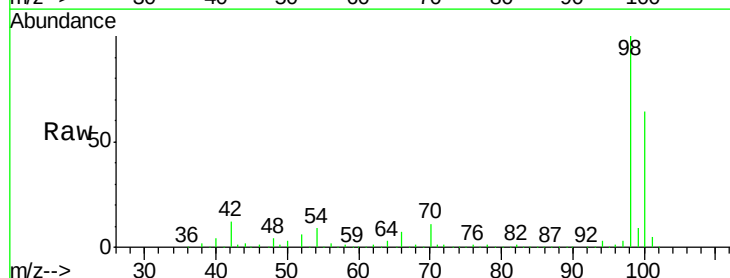
Manual Integrations
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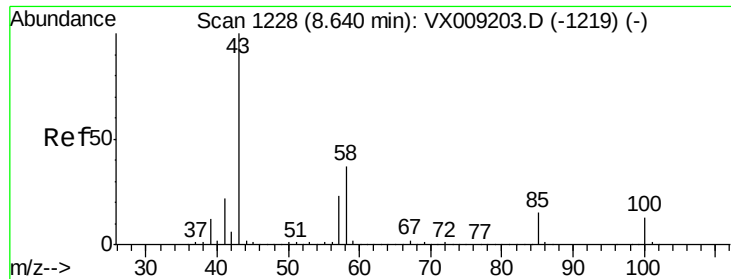
MMDadoda
5/14/2019 12:15:52 PM



#50
Toluene-d8
Concen: 47.629 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 101.954 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tot Ion: 43 Resp: 374009

Ion Ratio Lower Upper

43 100

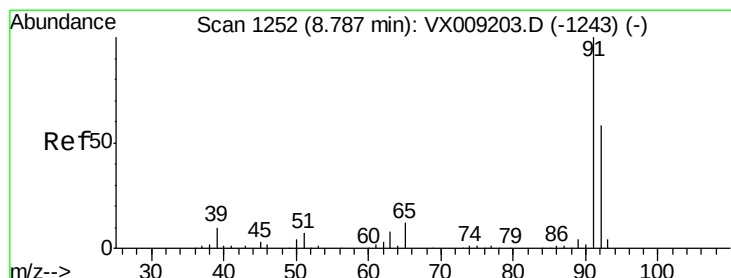
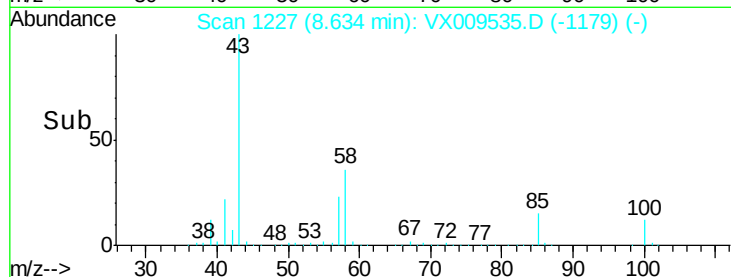
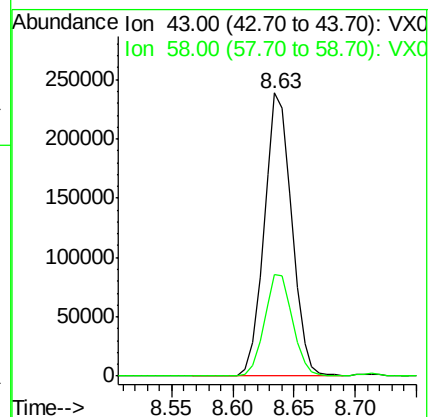
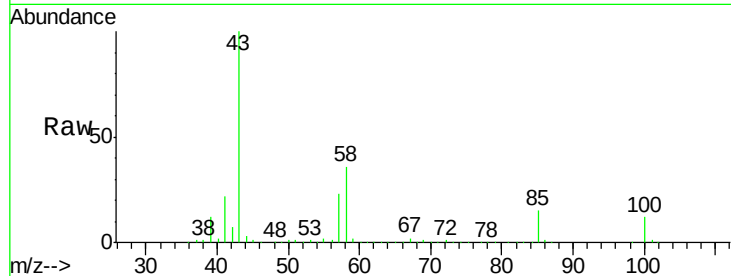
58 36.8 29.5 44.3

Manual Integrations

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#52

Toluene

Concen: 21.142 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009535.D

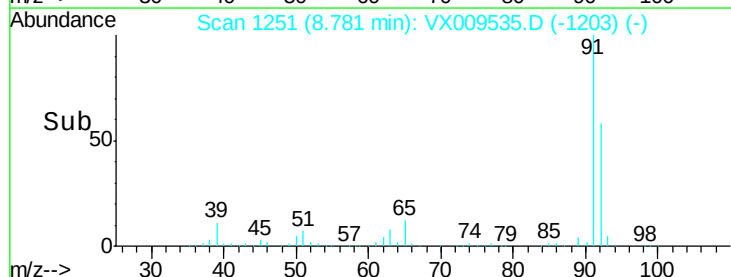
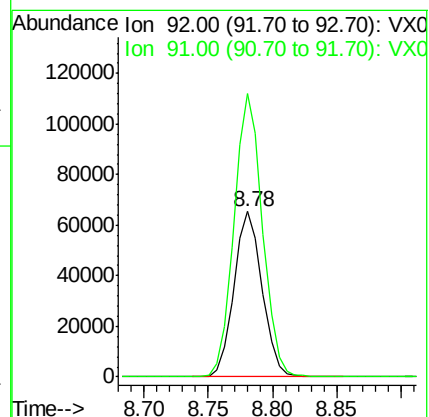
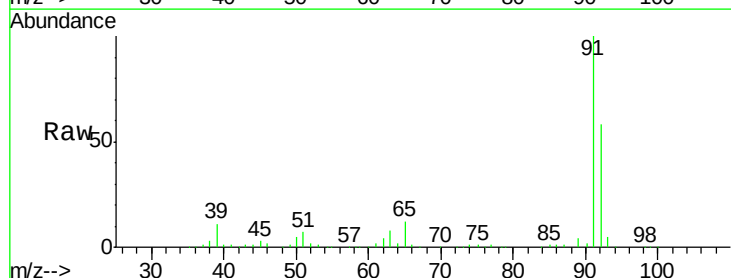
Acq: 13 May 2019 12:02

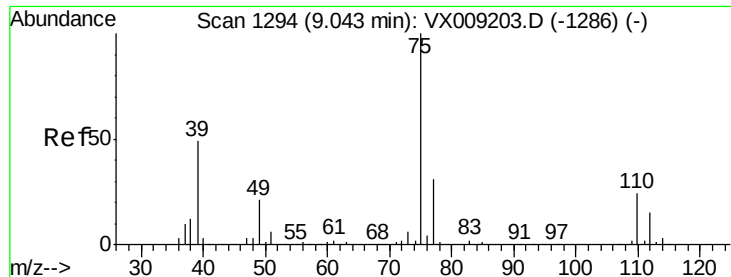
Tgt Ion: 92 Resp: 100162

Ion Ratio Lower Upper

92 100

91 172.5 138.8 208.2





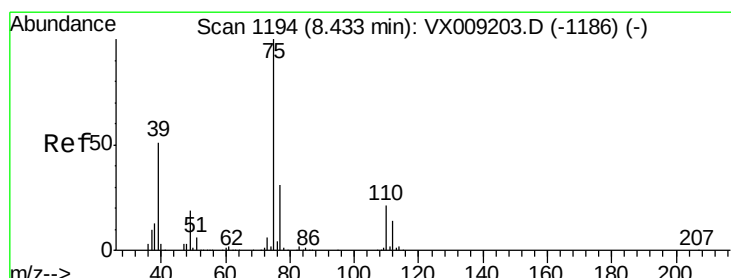
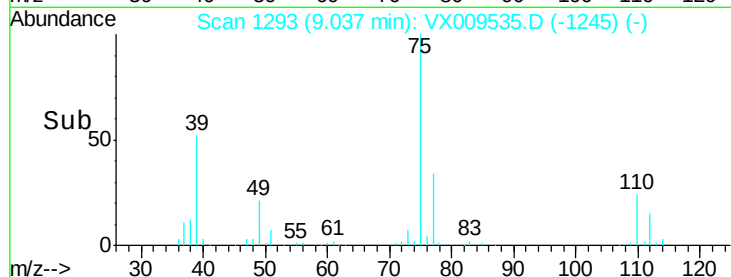
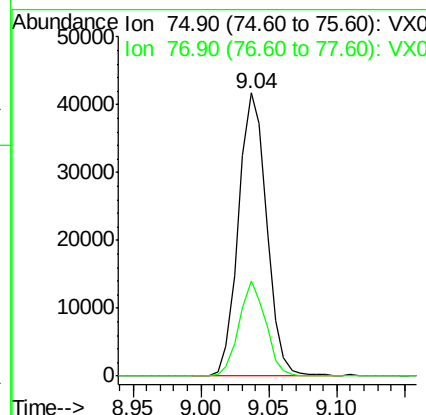
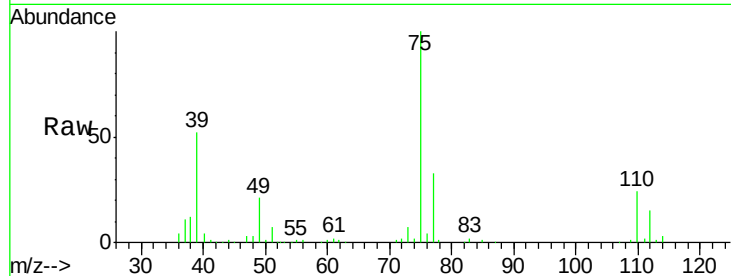
#53
 t-1,3-Dichloropropene
 Concen: 20.925 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBS01

Tot Ion: 75 Resp: 60392
 Ion Ratio Lower Upper
 75 100
 77 33.5 25.0 37.6

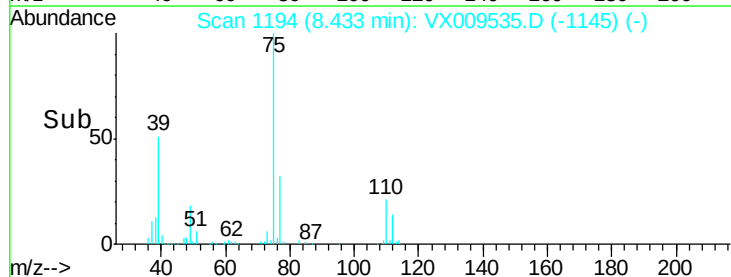
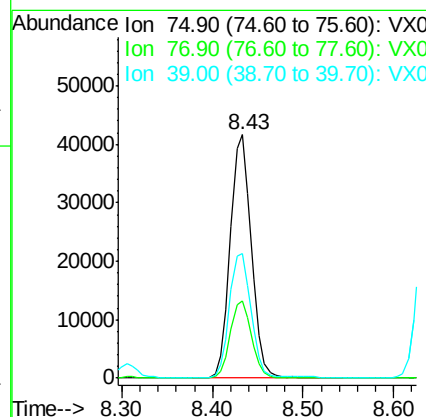
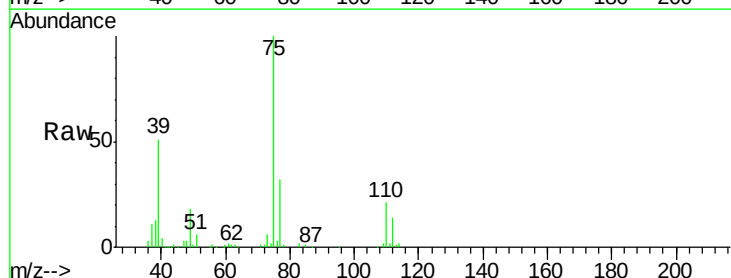
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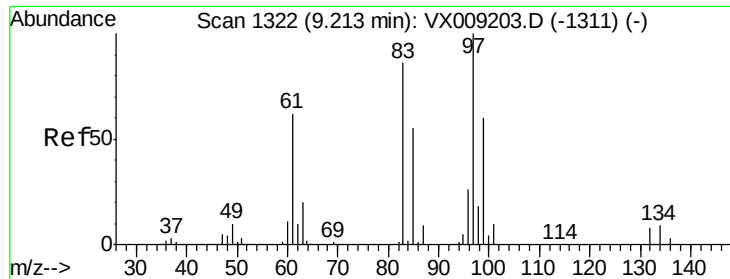
MMDadoda
 5/14/2019 12:15:52 PM



#54
 cis-1,3-Dichloropropene
 Concen: 21.119 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Tgt Ion: 75 Resp: 67466
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.6 36.8
 39 50.7 40.6 60.8





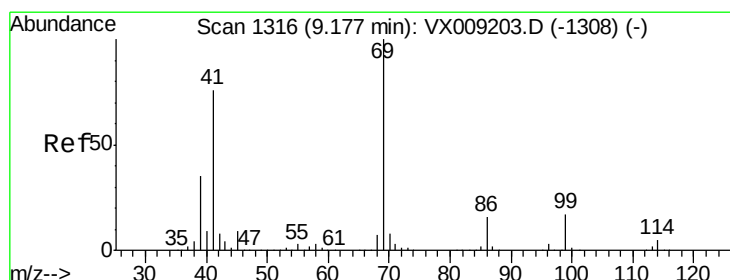
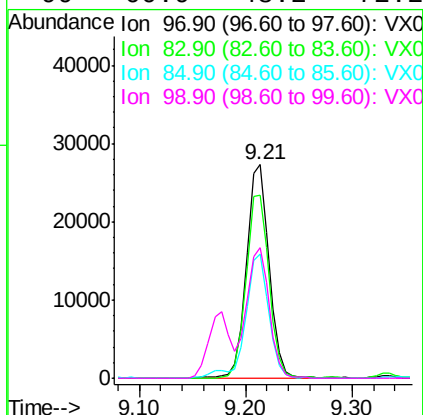
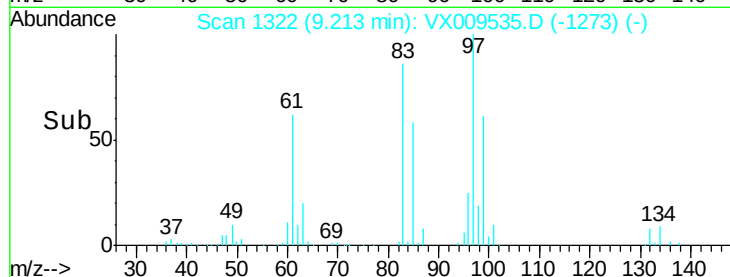
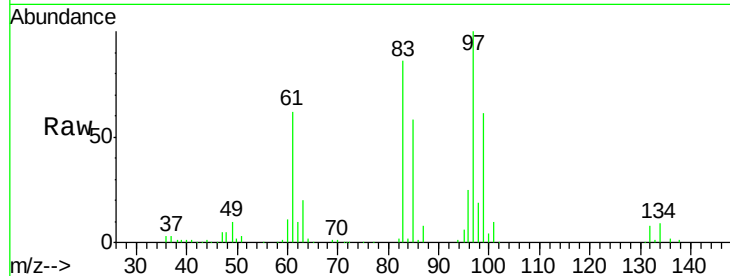
#55
 1,1,2-Trichloroethane
 Concen: 21.132 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBS01

Tot Ion:	97	Resp:	40845
Ion	Ratio	Lower	Upper
97	100		
83	85.9	68.9	103.3
85	58.3	43.8	65.6
99	60.9	48.2	72.2

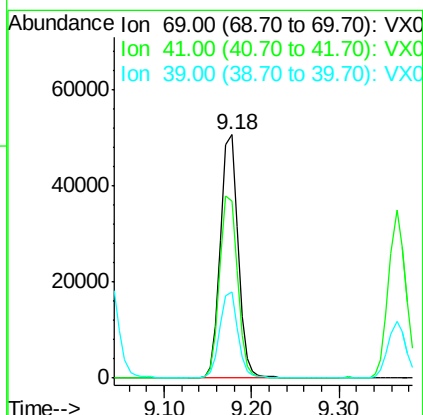
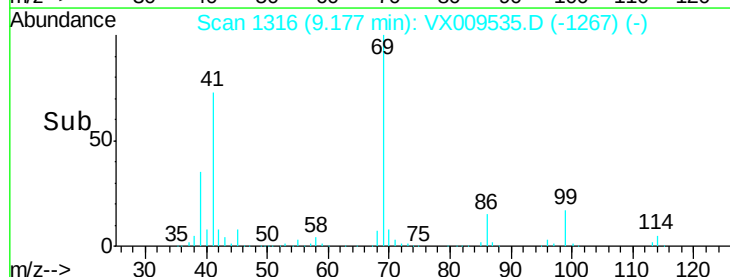
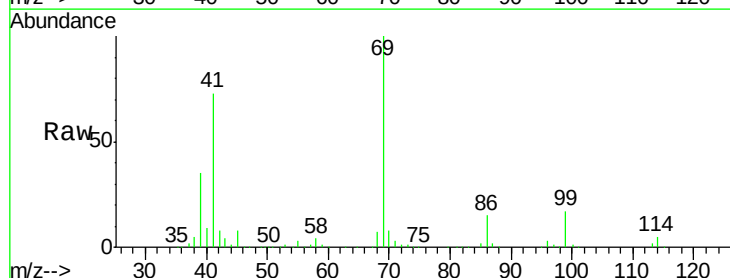
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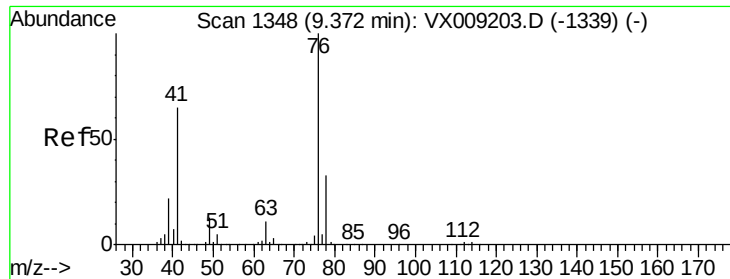
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 20.494 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Tgt Ion:	69	Resp:	70708
Ion	Ratio	Lower	Upper
69	100		
41	75.6	60.6	90.8
39	35.4	28.2	42.4





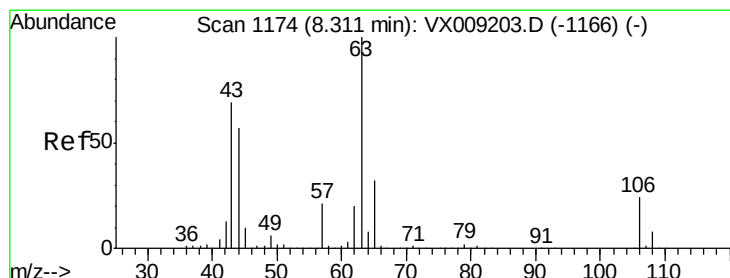
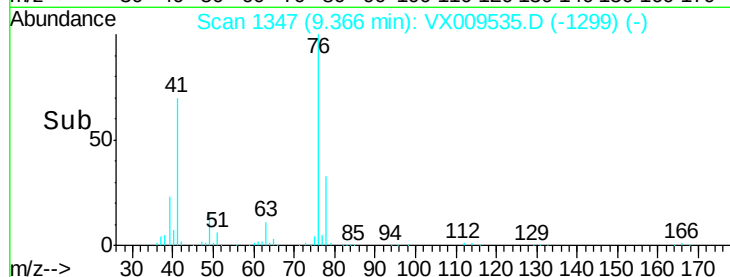
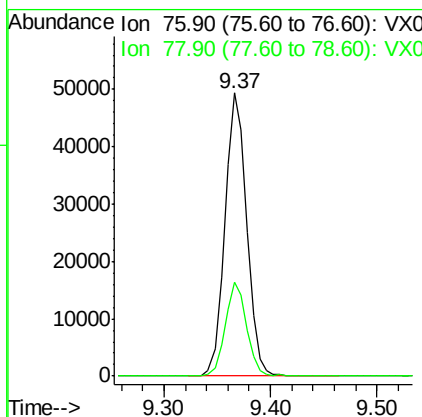
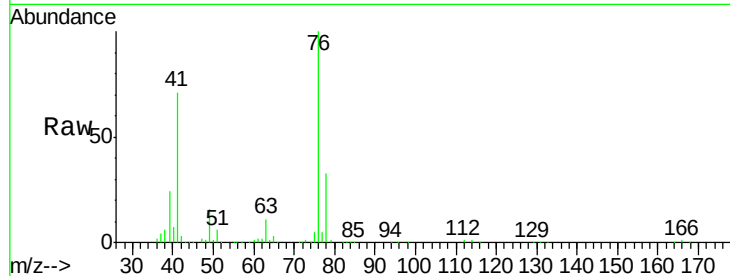
#57
 1,3-Dichloropropane
 Concen: 20.817 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Instrument :
 MSVOA_X
 ClientSampled :
 VX0513WBS01

Tot Ion: 76 Resp: 70803
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.5 38.3

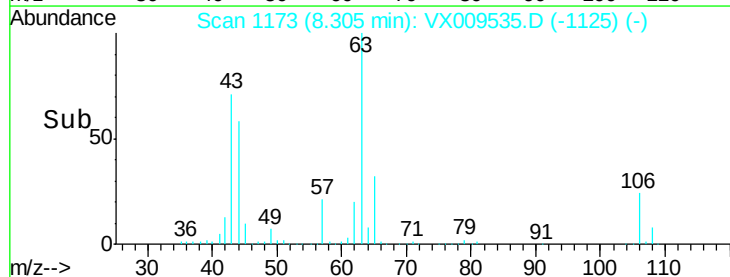
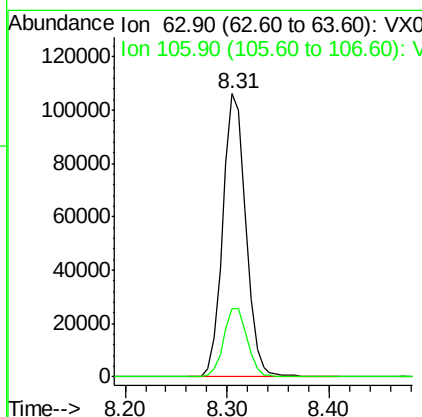
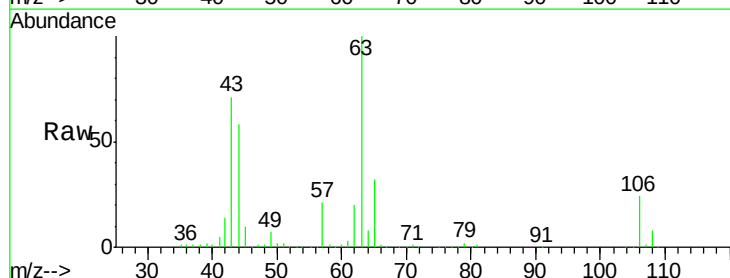
Manual Integrations
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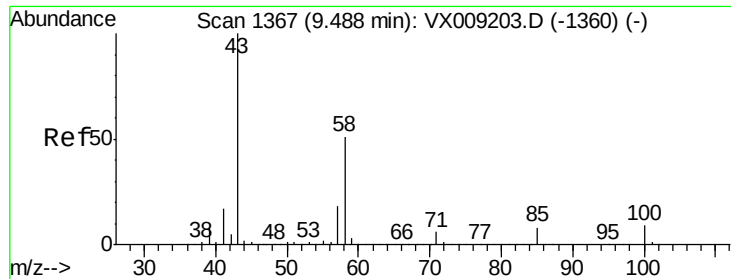
MMDadoda
 5/14/2019 12:15:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.087 ug/l
 RT: 8.31 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Tgt Ion: 63 Resp: 166717
 Ion Ratio Lower Upper
 63 100
 106 24.7 19.7 29.5





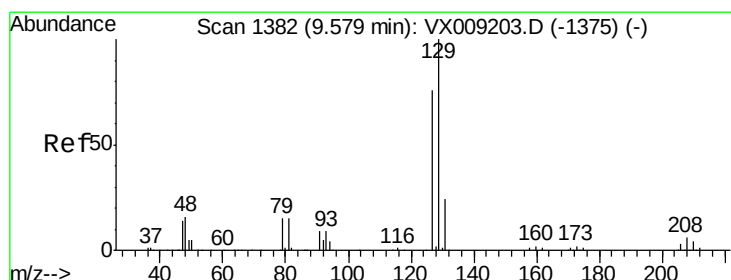
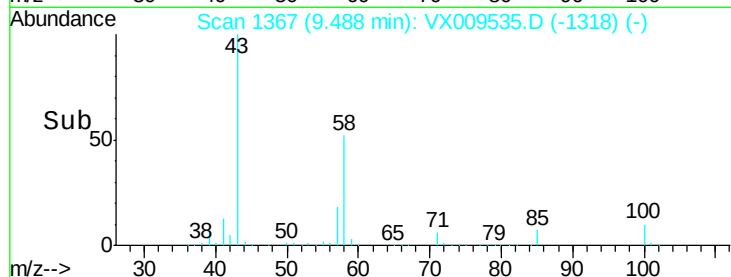
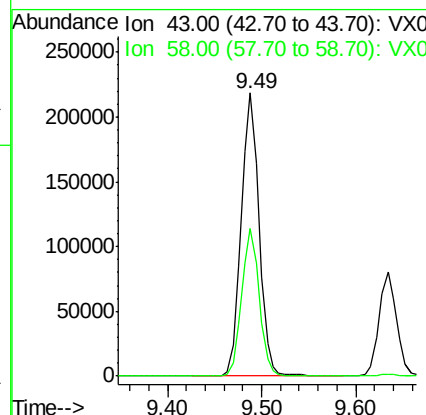
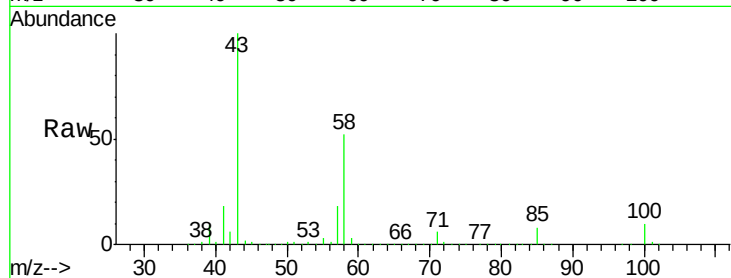
#59
2-Hexanone
Concen: 100.072 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

Tot Ion: 43 Resp: 288319
Ion Ratio Lower Upper
43 100
58 51.0 25.9 77.7

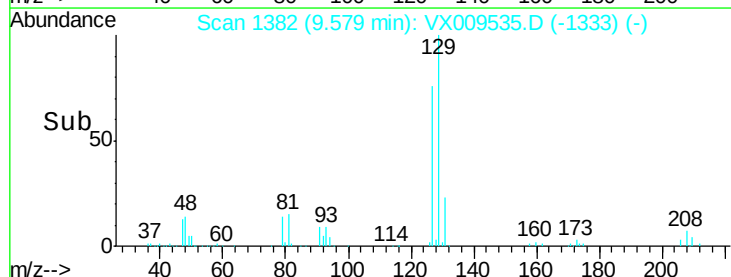
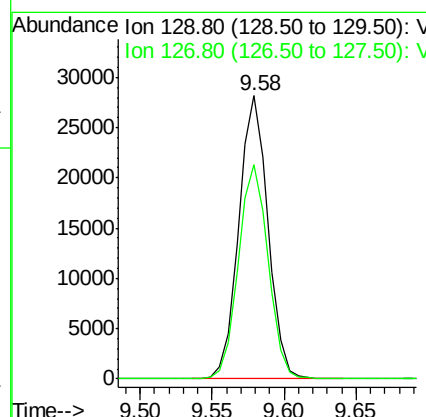
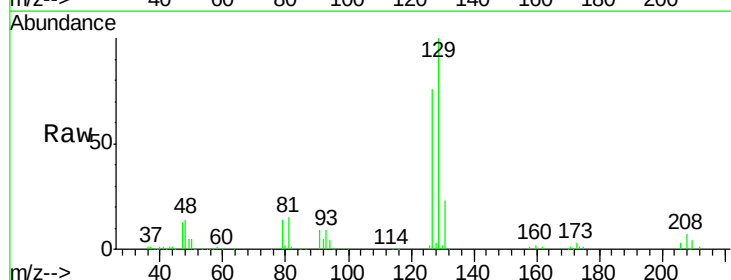
Manual Integrations
APPROVED

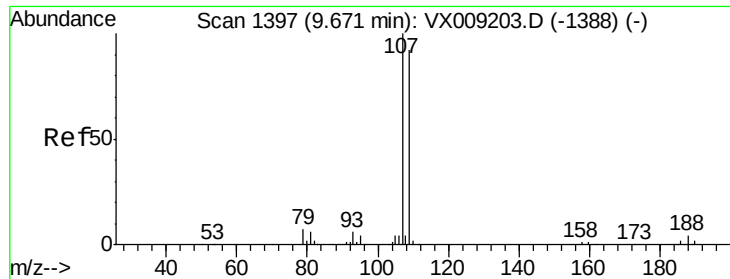
MMDadoda
5/14/2019 12:15:52 PM



#60
Dibromochloromethane
Concen: 21.057 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Tgt Ion: 129 Resp: 39750
Ion Ratio Lower Upper
129 100
127 77.3 38.4 115.1





#61

1,2-Dibromoethane

Concen: 21.055 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tot Ion:107 Resp: 41079

Ion Ratio Lower Upper

107 100

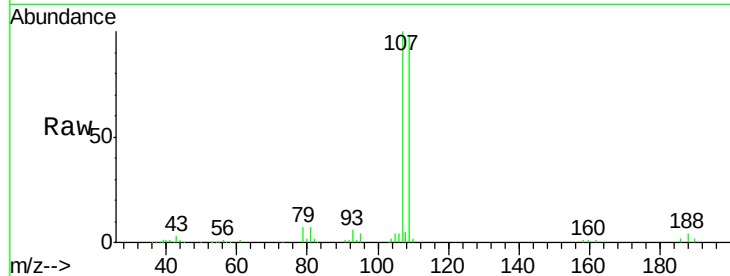
109 94.2 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

5/14/2019 12:15:52 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

30000

25000

20000

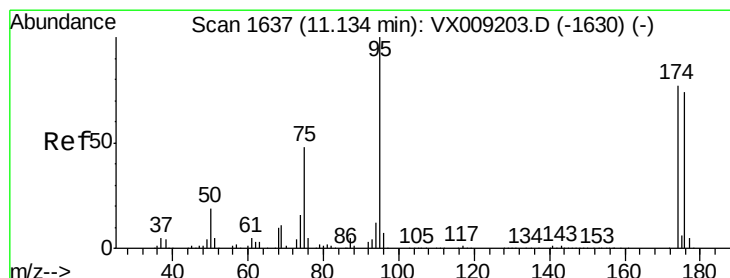
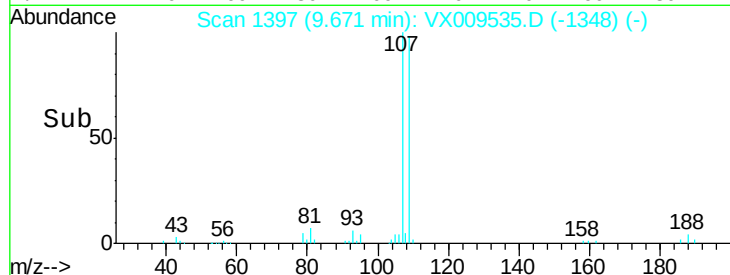
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.072 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

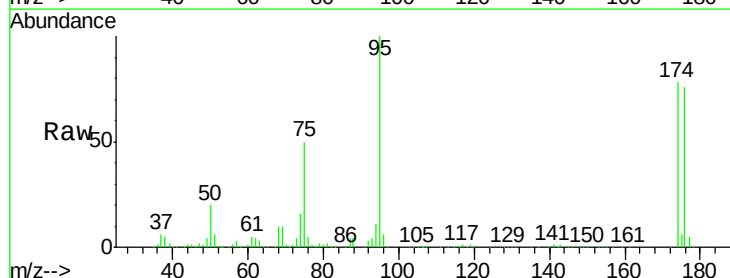
Tgt Ion: 95 Resp: 120134

Ion Ratio Lower Upper

95 100

174 82.7 0.0 161.6

176 79.5 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

120000

100000

80000

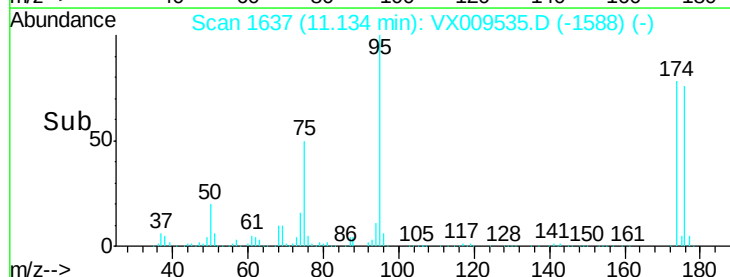
60000

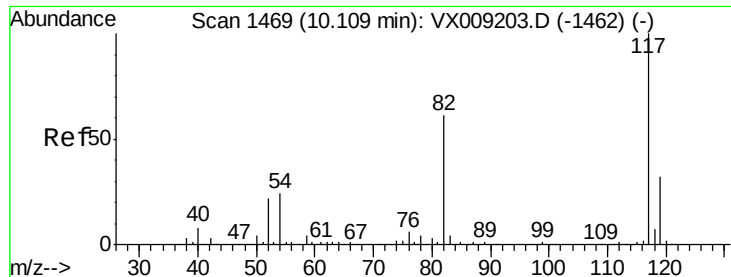
40000

20000

0

Time-->





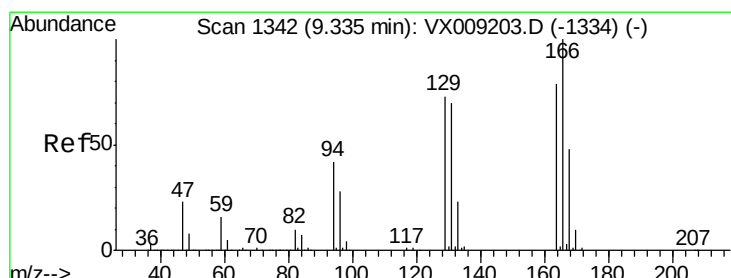
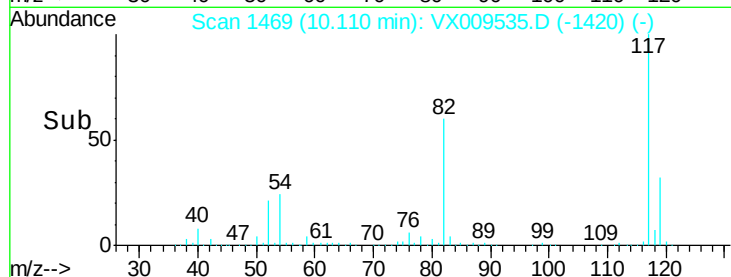
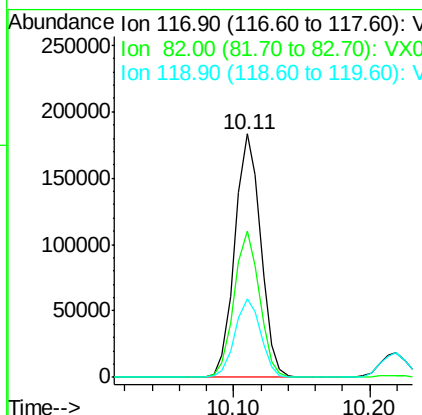
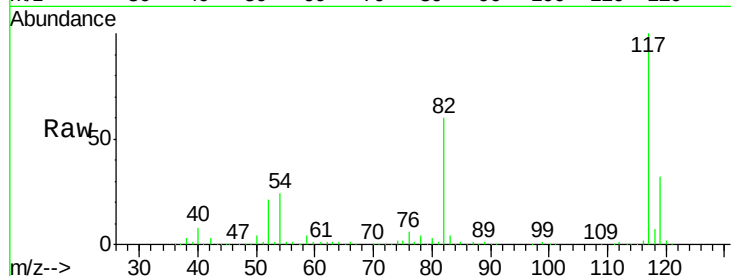
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	243606		
82	60.3	48.8	73.2	
119	32.3	25.8	38.6	

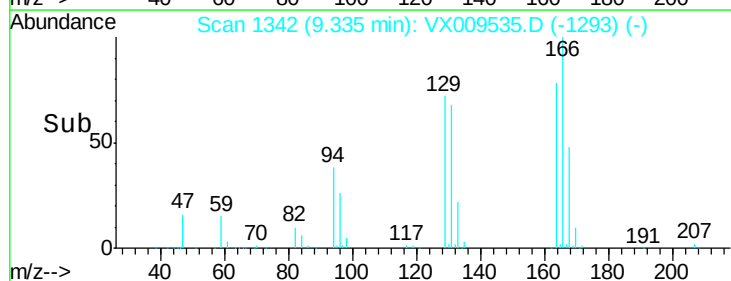
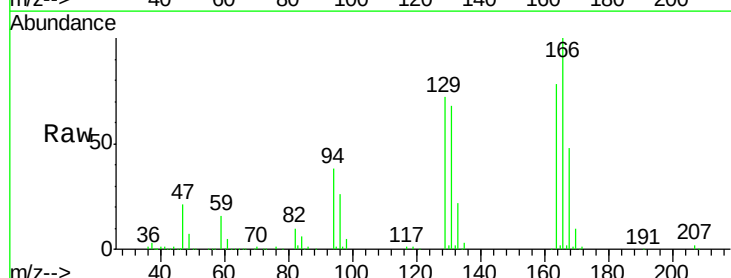
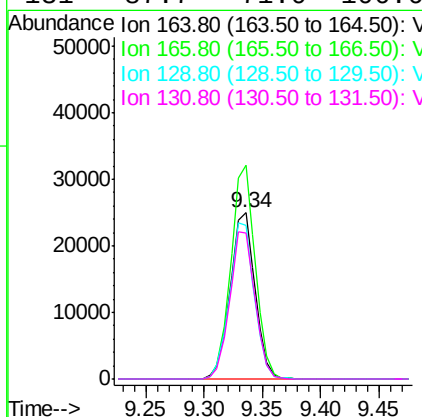
Manual Integrations
APPROVED

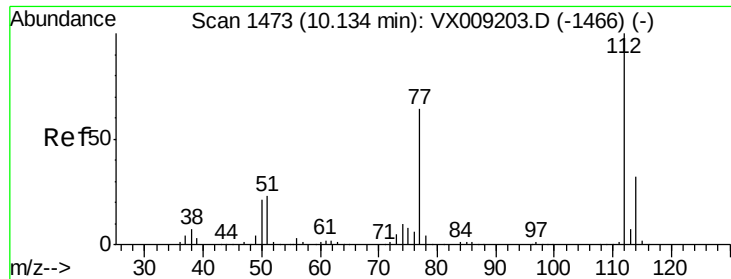
MMDadoda
5/14/2019 12:15:52 PM



#64
Tetrachloroethene
Concen: 22.274 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	37221		
166	128.4	101.2	151.8	
129	92.0	74.3	111.5	
131	87.7	71.0	106.6	





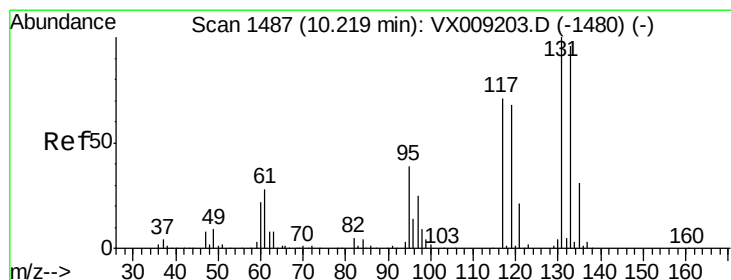
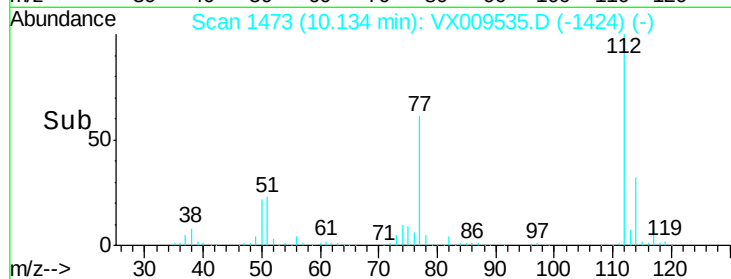
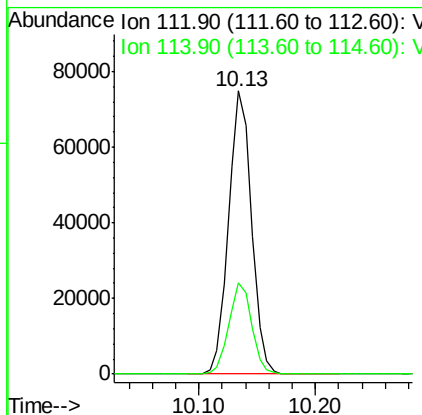
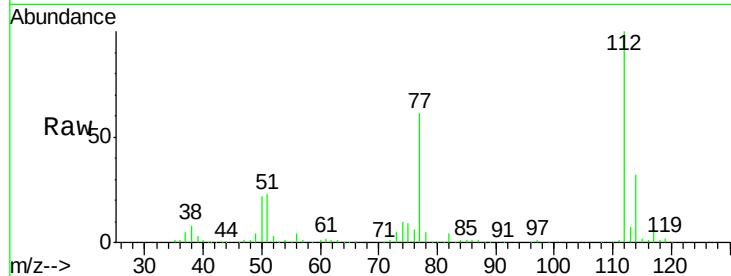
#65
Chlorobenzene
Concen: 21.100 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

Tot Ion:112 Resp: 102823
Ion Ratio Lower Upper
112 100
114 32.3 25.5 38.3

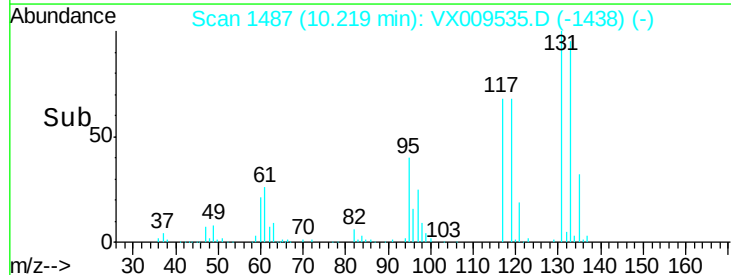
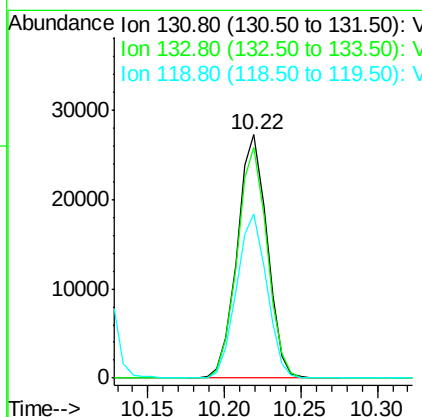
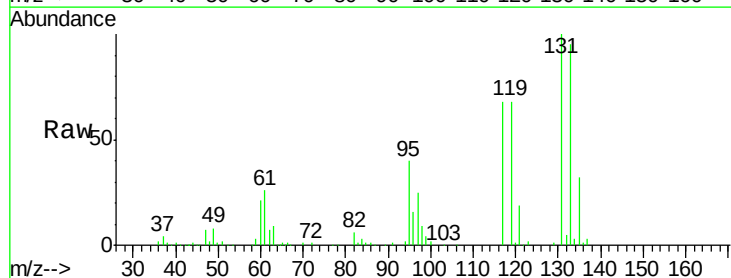
Manual Integrations
APPROVED

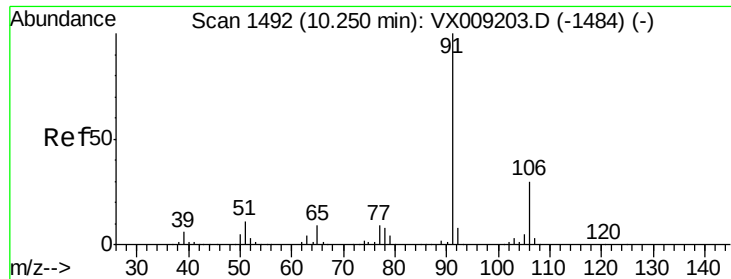
MMDadoda
5/14/2019 12:15:52 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.019 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Tgt Ion:131 Resp: 37136
Ion Ratio Lower Upper
131 100
133 94.5 47.7 143.1
119 68.1 33.5 100.4





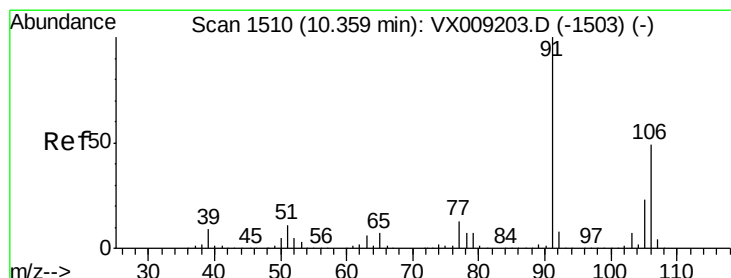
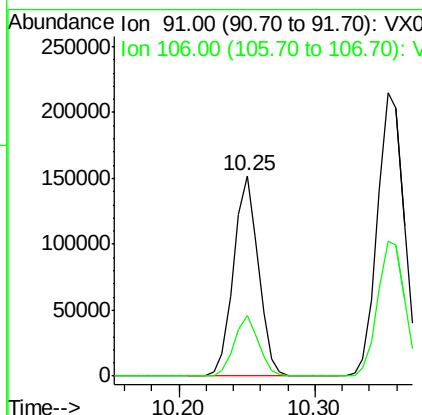
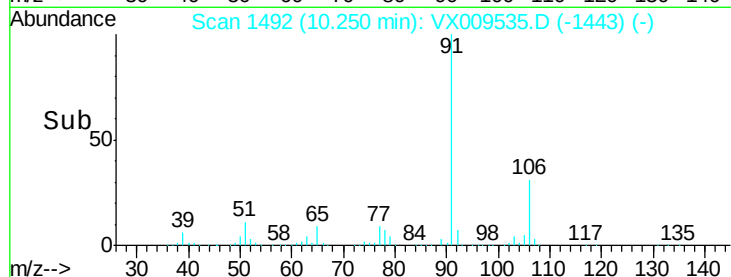
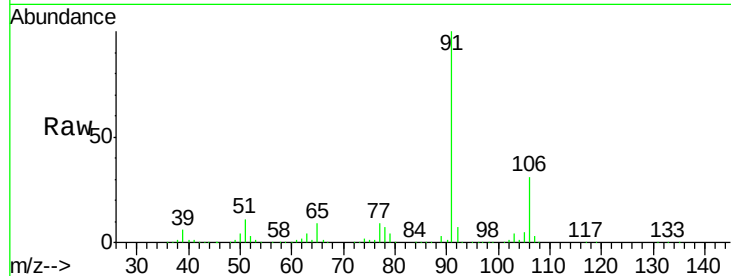
#67
Ethyl Benzene
Concen: 21.562 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

Tot Ion: 91 Resp: 193381
Ion Ratio Lower Upper
91 100
106 30.5 24.0 36.0

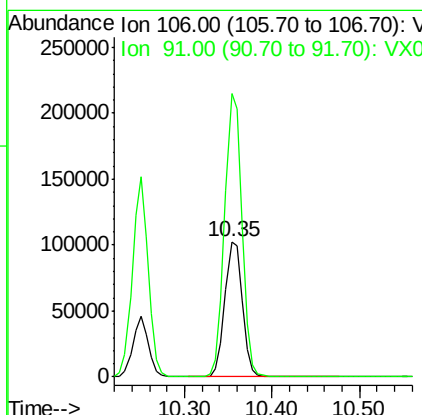
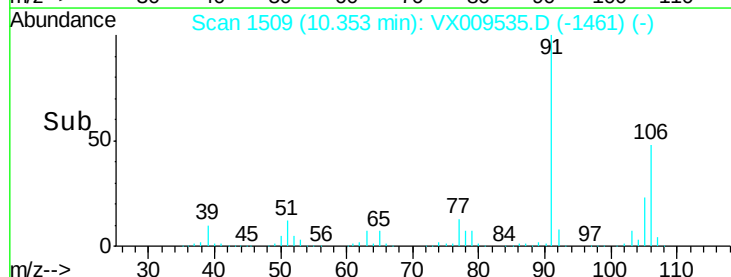
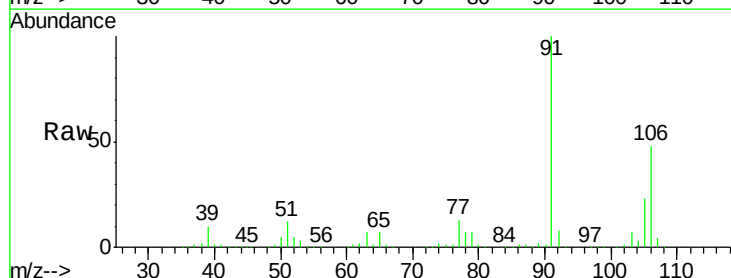
Manual Integrations
APPROVED

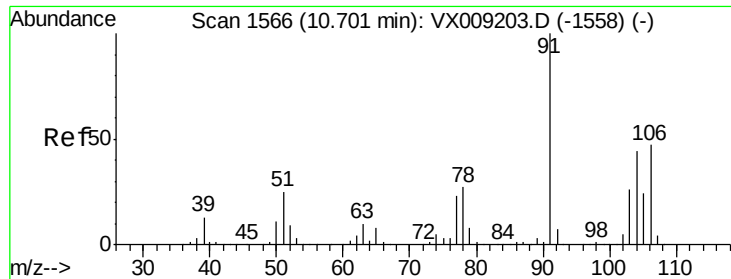
MMDadoda
5/14/2019 12:15:52 PM



#68
m/p-Xylenes
Concen: 43.315 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Tgt Ion: 106 Resp: 141960
Ion Ratio Lower Upper
106 100
91 206.0 164.0 246.0





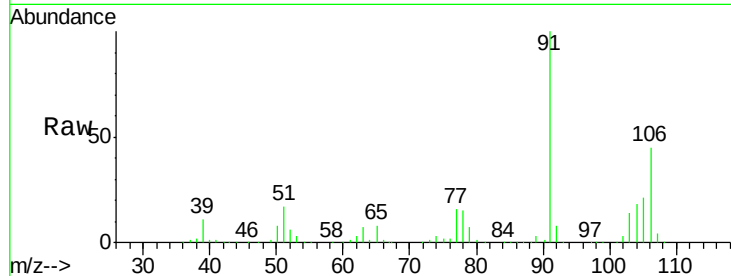
#69
o-Xylene
Concen: 20.901 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Instrument :
MSVOA_X
ClientSampled :
VX0513WBS01

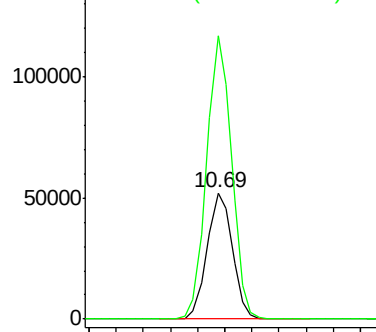
Tot Ion:106 Resp: 67586
Ion Ratio Lower Upper
106 100
91 221.0 109.5 328.4

Manual Integrations
APPROVED

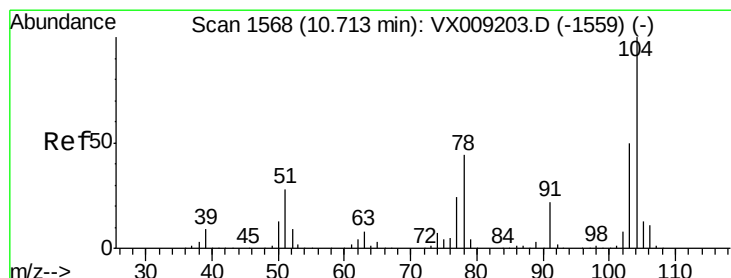
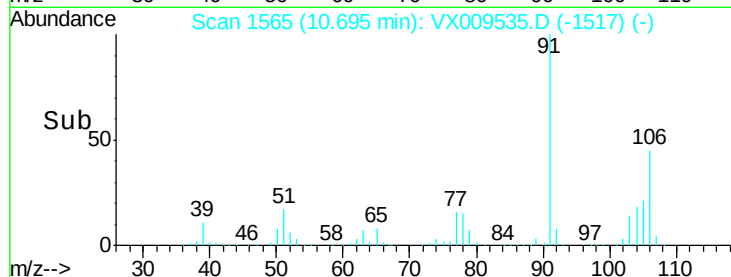
MMDadoda
5/14/2019 12:15:52 PM



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

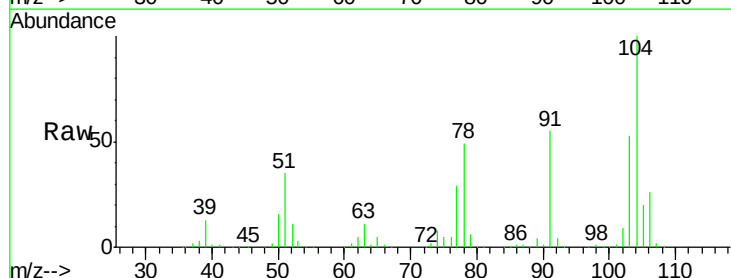


Time--> 10.60 10.70

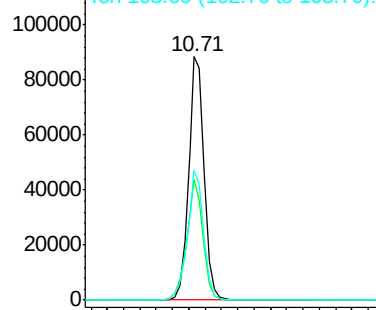


#70
Styrene
Concen: 21.066 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

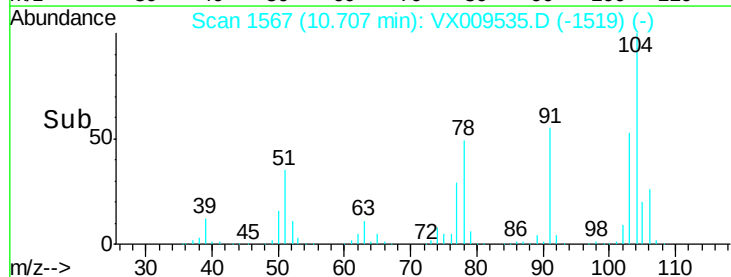
Tgt Ion:104 Resp: 118396
Ion Ratio Lower Upper
104 100
78 52.2 41.0 61.4
103 55.4 43.8 65.6

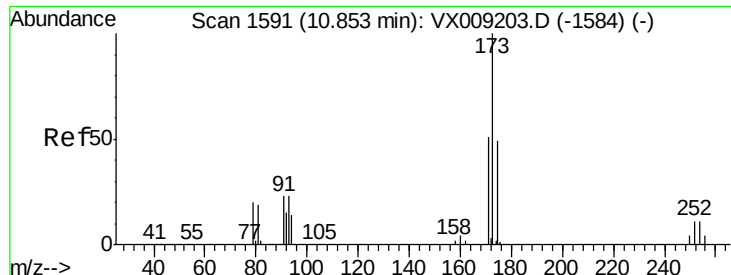


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V



Time--> 10.60 10.70 10.80 10.90





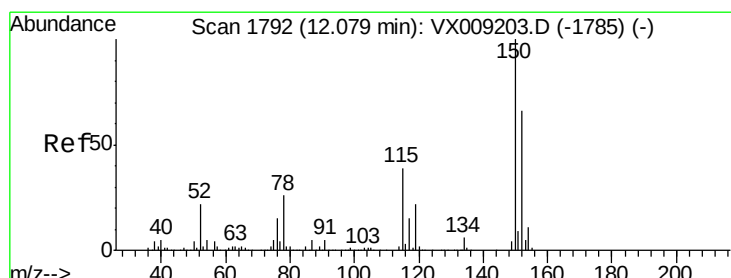
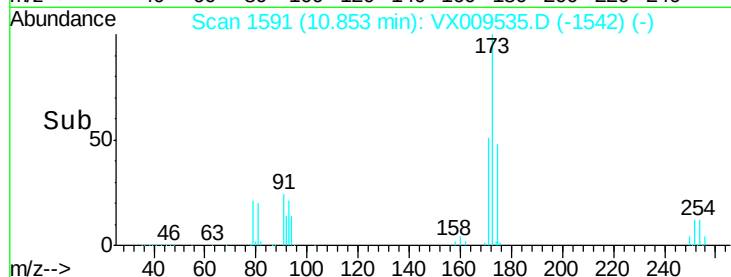
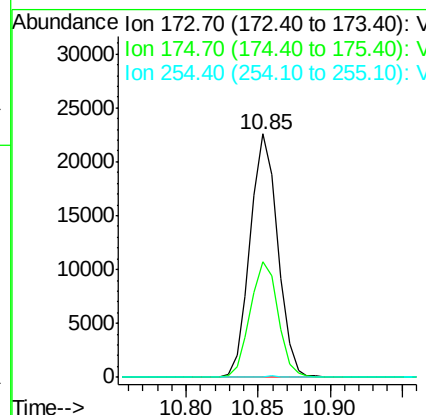
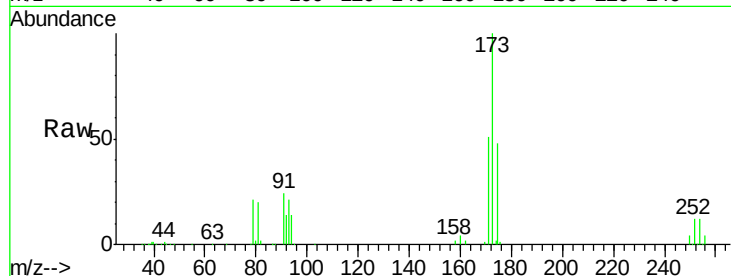
#71
Bromoform
Concen: 20.823 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.5	73.5
254	0.2	0.1	0.1#

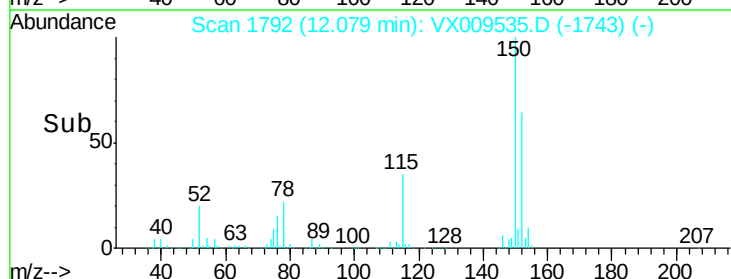
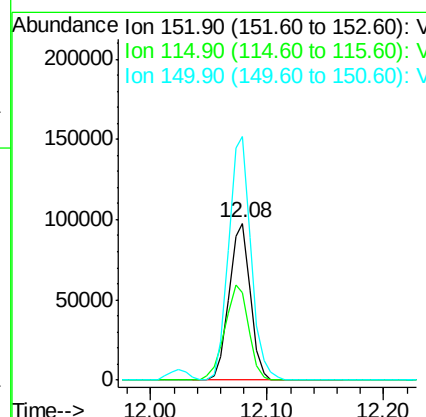
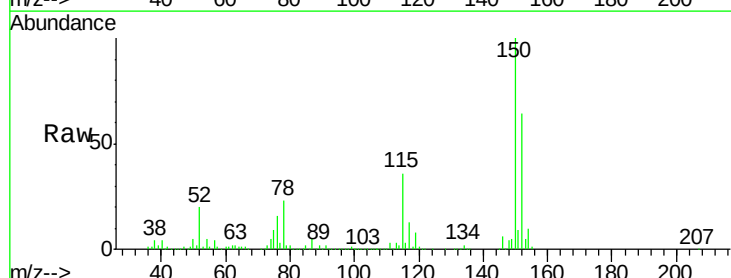
Manual Integrations
APPROVED

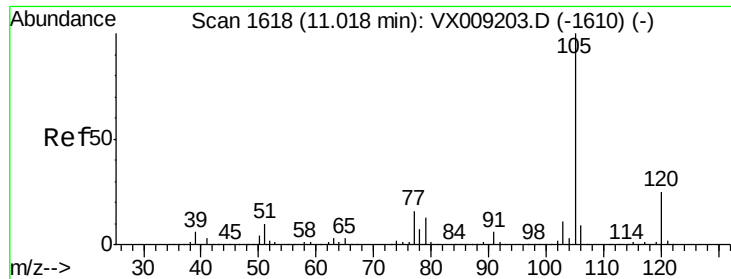
MMDadoda
5/14/2019 12:15:52 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	68.4	41.2	123.6
150	164.2	0.0	346.4





#73

Isopropylbenzene

Concen: 20.823 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tot Ion: 105 Resp: 184895

Ion Ratio Lower Upper

105 100

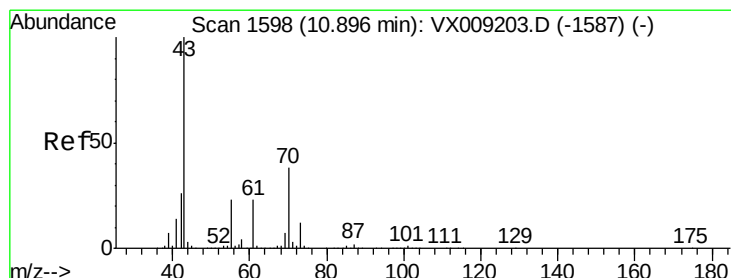
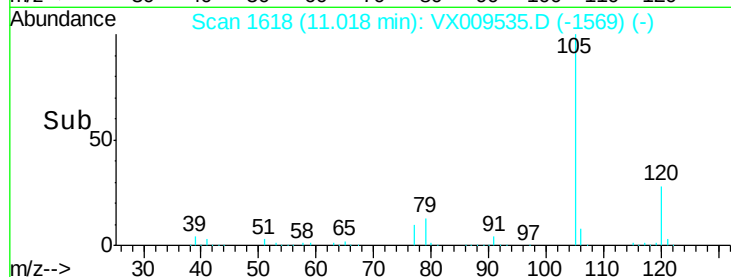
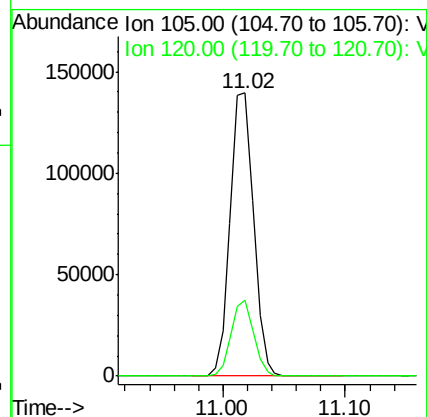
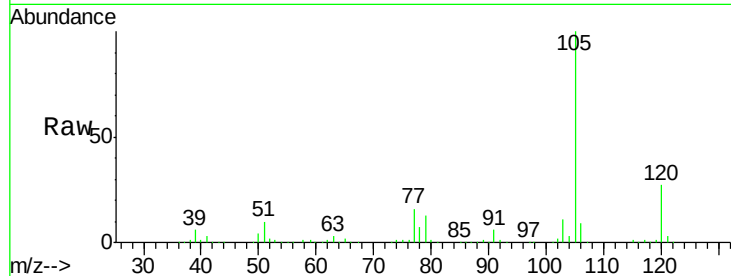
120 25.7 12.8 38.3

Manual Integrations

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MMDadoda

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#74

N-ethyl acetate

Concen: 19.434 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Tgt Ion: 43 Resp: 100603

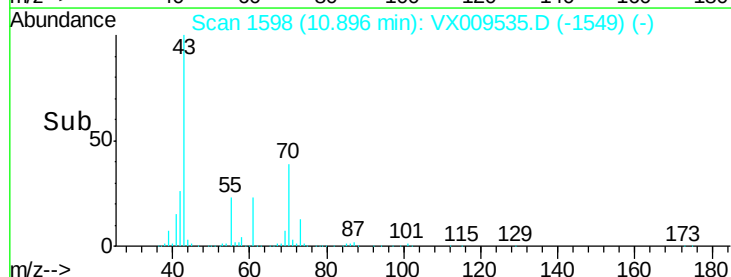
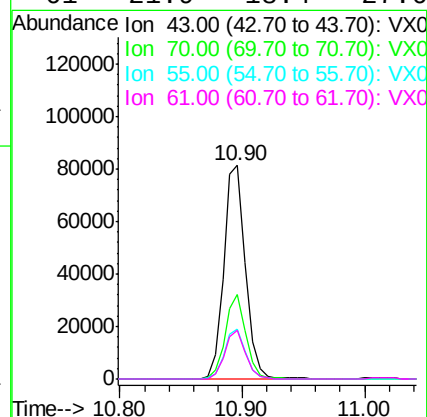
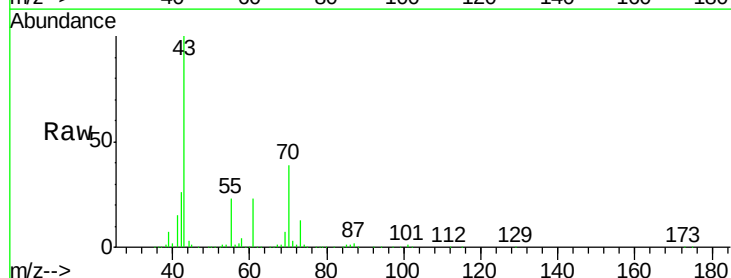
Ion Ratio Lower Upper

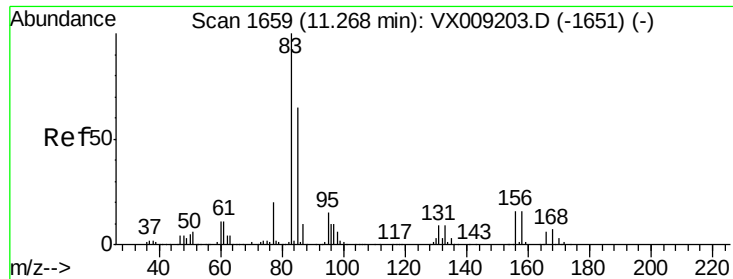
43 100

70 37.3 30.0 45.0

55 23.0 17.9 26.9

61 21.9 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.496 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tot Ion: 83 Resp: 64532

Ion Ratio Lower Upper

83 100

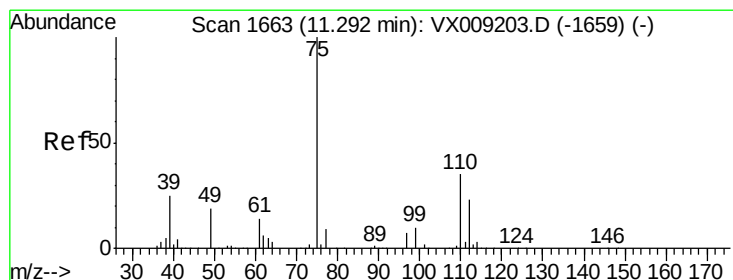
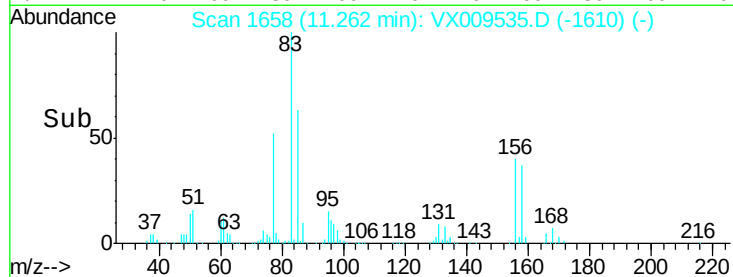
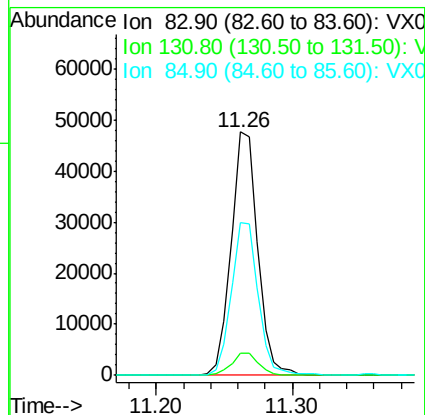
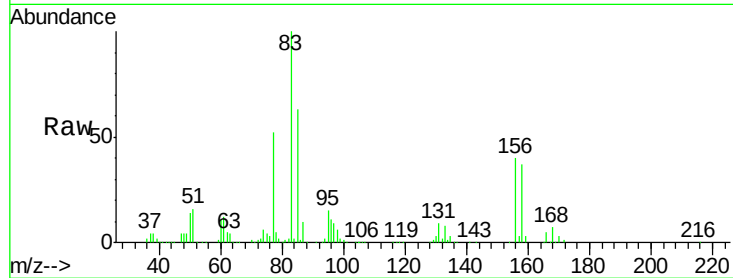
131 9.3 4.6 13.8

85 63.6 32.0 96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.385 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009535.D

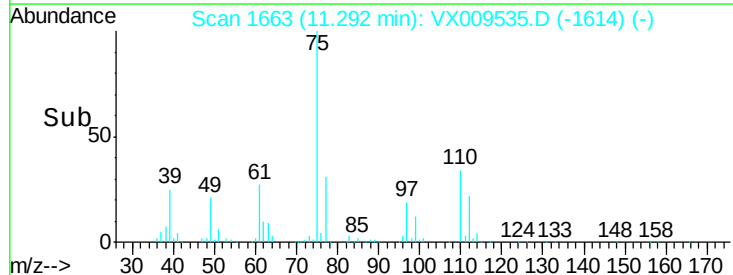
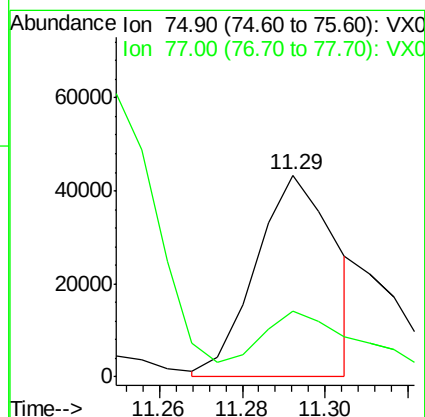
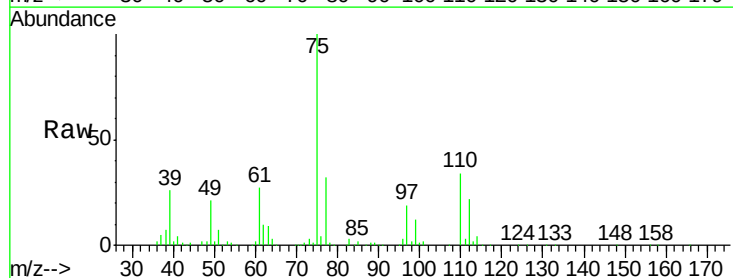
Acq: 13 May 2019 12:02

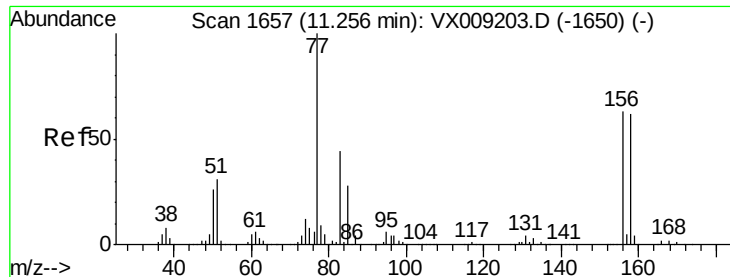
Tgt Ion: 75 Resp: 57737

Ion Ratio Lower Upper

75 100

77 42.2 22.1 66.1





#77

Bromobenzene

Concen: 20.740 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

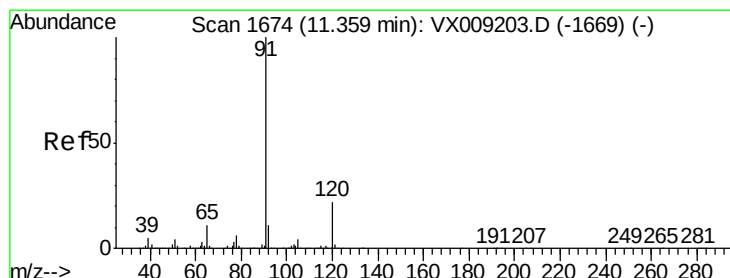
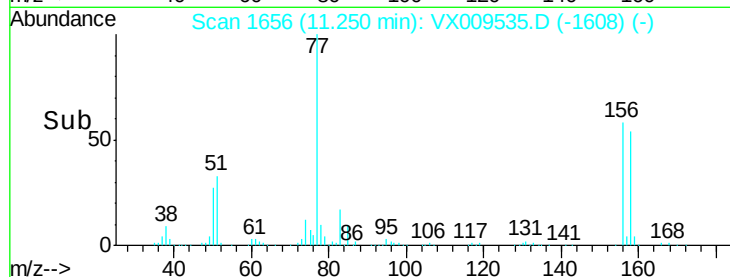
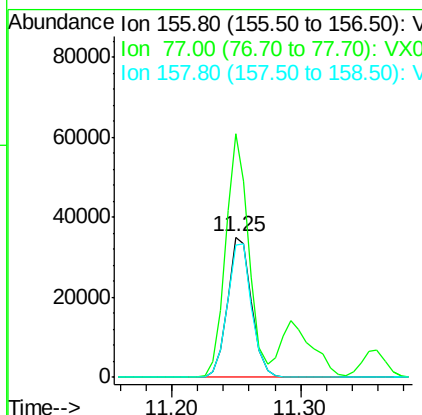
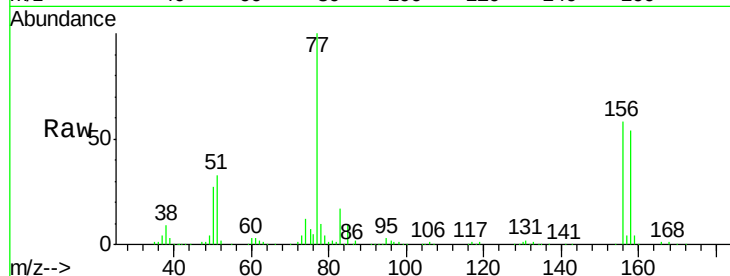
ClientSampleId :

VX0513WBS01

Tot Ion:	156	Resp:	45708
Ion	Ratio	Lower	Upper
156	100		
77	166.9	84.8	254.3
158	97.4	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 21.189 ug/l

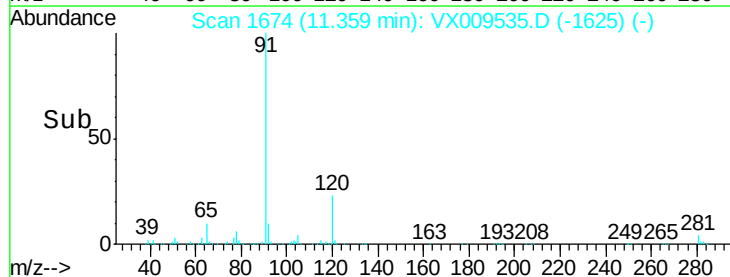
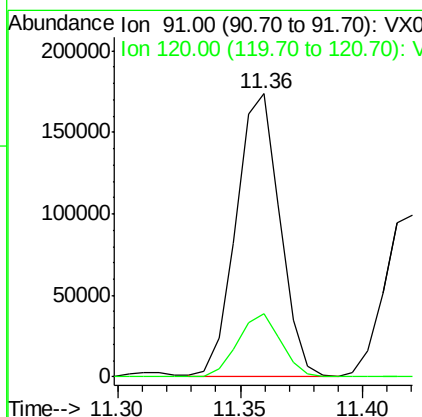
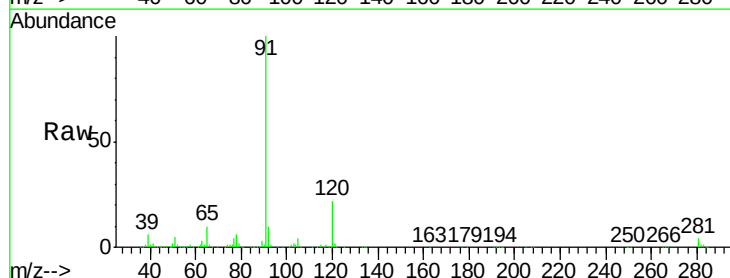
RT: 11.36 min Scan# 1674

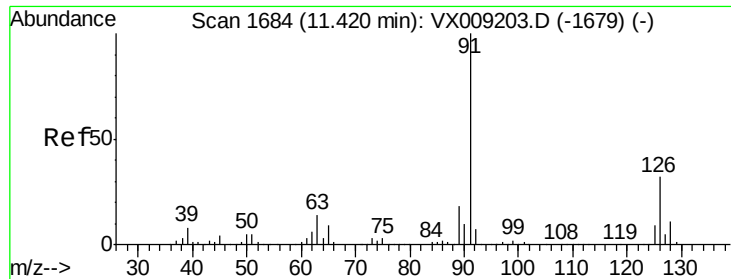
Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Tgt Ion:	91	Resp:	214873
Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.0	33.0





#79

2-Chlorotoluene

Concen: 20.156 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tot Ion: 91 Resp: 126098

Ion Ratio Lower Upper

91 100

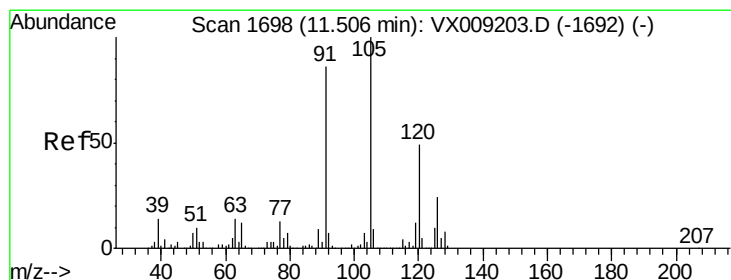
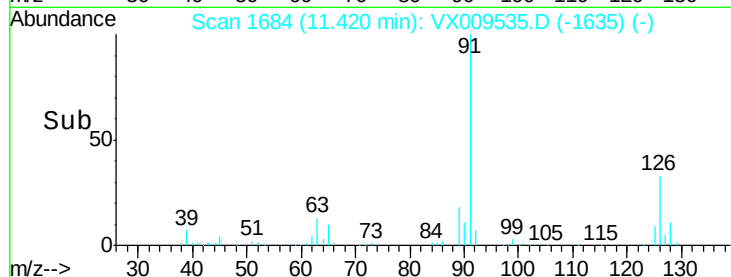
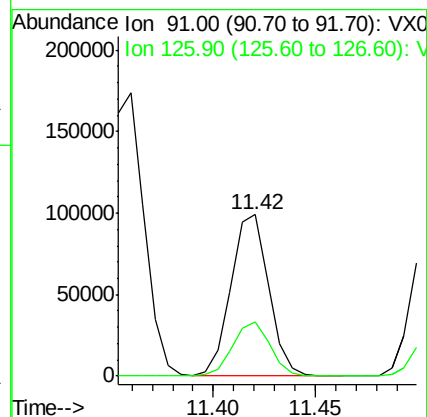
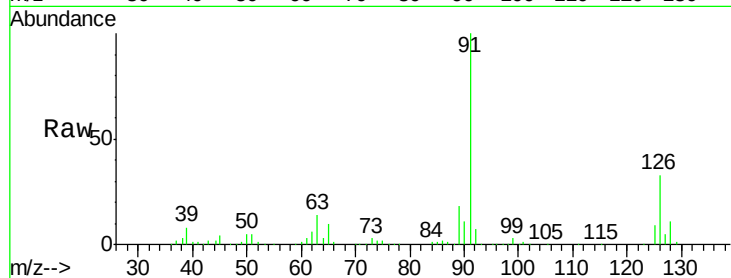
126 33.1 16.3 48.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.029 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009535.D

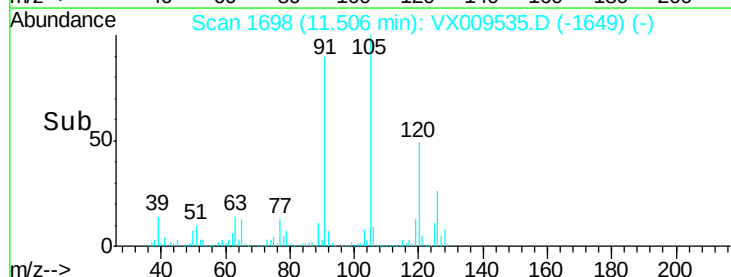
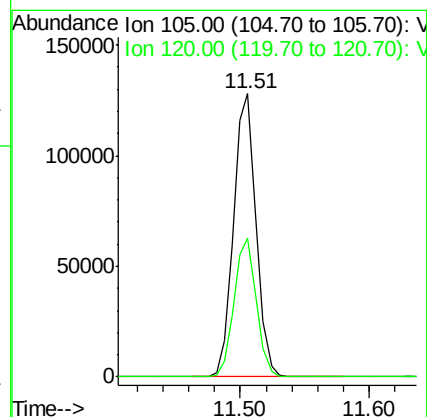
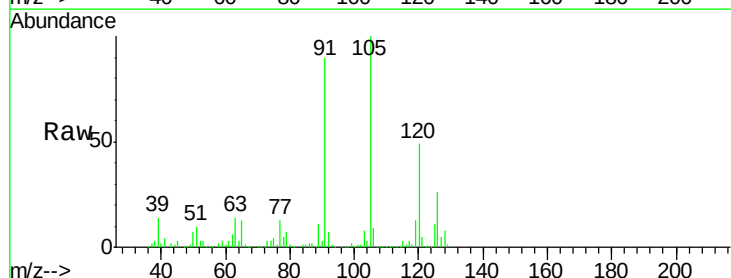
Acq: 13 May 2019 12:02

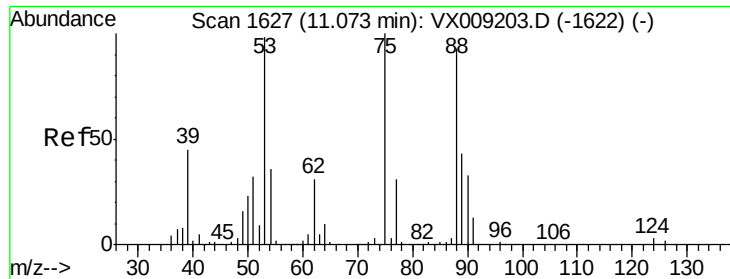
Tgt Ion: 105 Resp: 157217

Ion Ratio Lower Upper

105 100

120 48.4 24.3 72.9





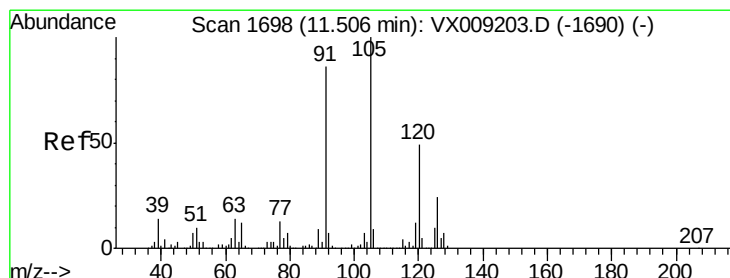
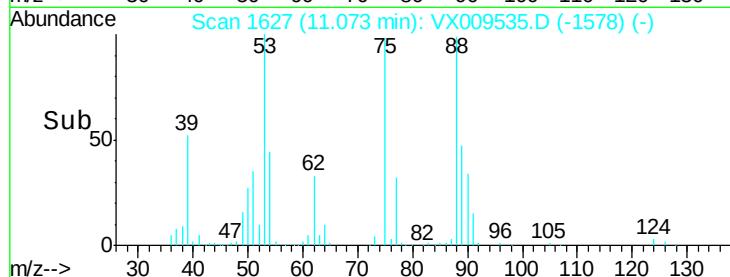
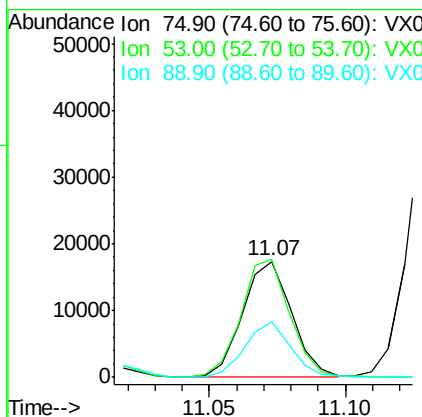
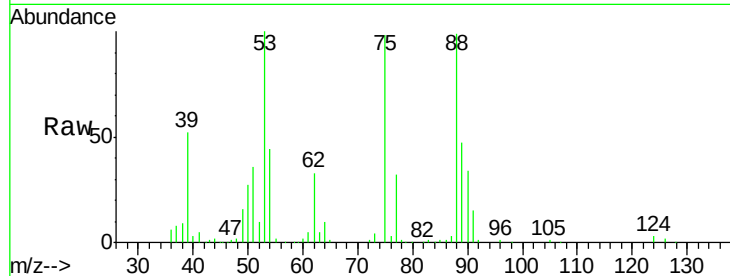
#81
trans-1,4-Dichloro-2-butene
Concen: 19.341 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.3	79.0	118.6
89	45.5	34.7	52.1

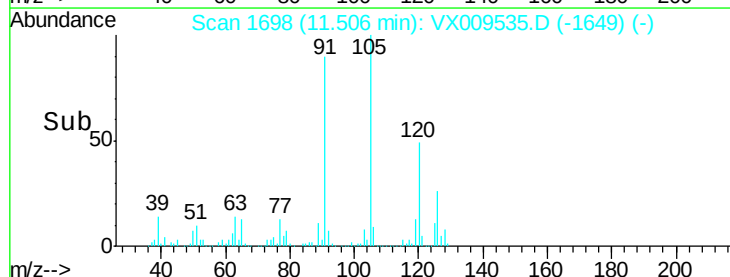
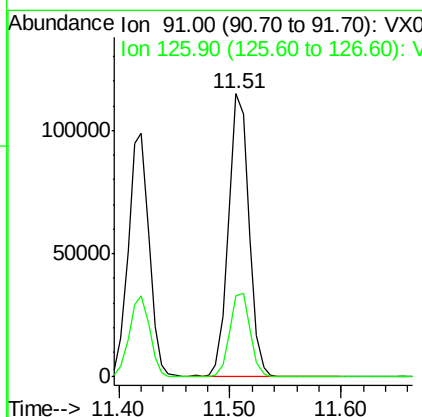
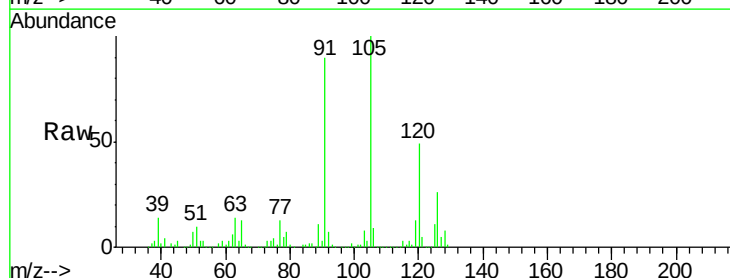
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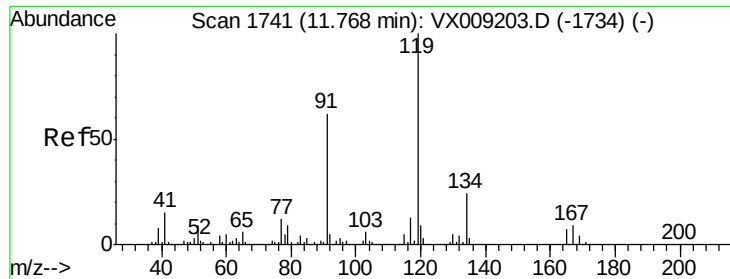
MMDadoda
5/14/2019 12:15:52 PM



#82
4-Chlorotoluene
Concen: 20.745 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.5	14.5	43.6





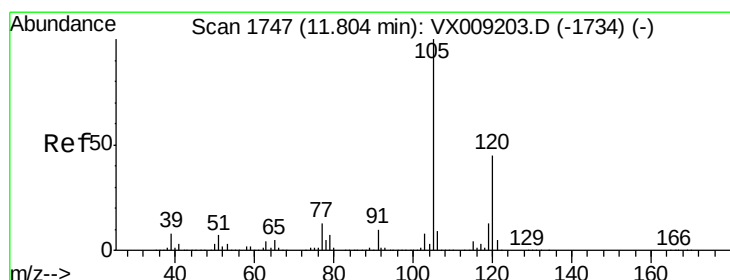
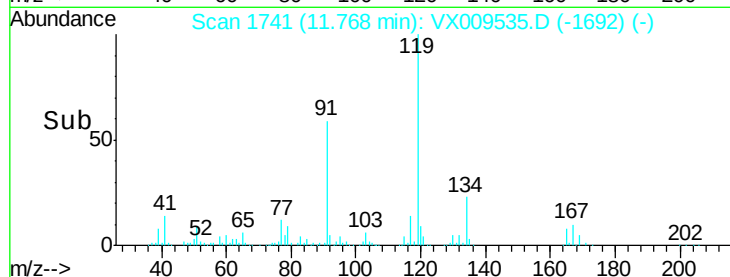
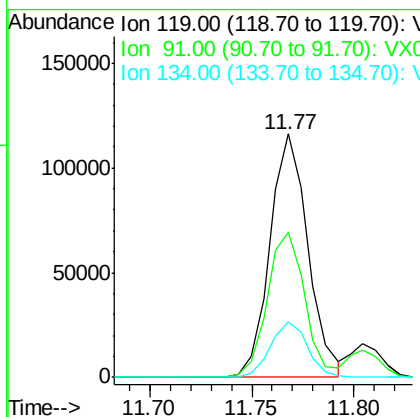
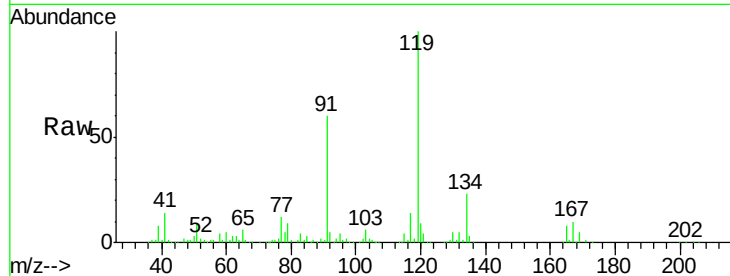
#83
 tert-Butylbenzene
 Concen: 20.743 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	150862		
91	59.1		29.5	88.5
134	22.3		11.4	34.1

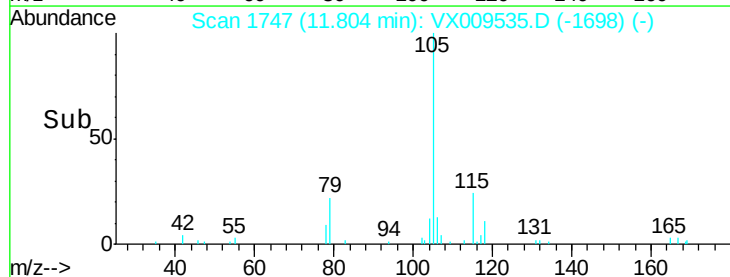
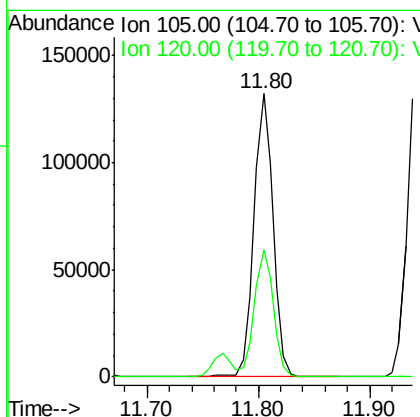
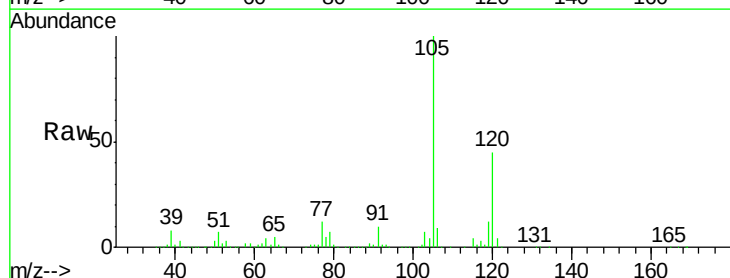
Manual Integrations
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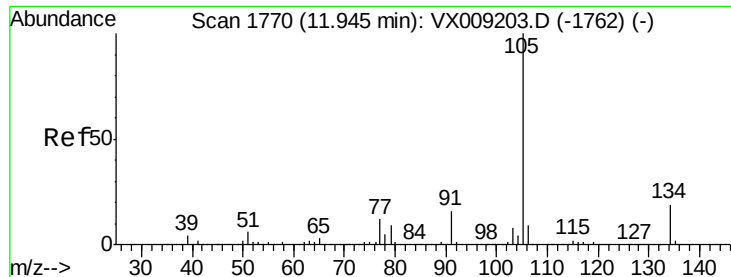
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.058 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	158024		
120	45.0		22.0	66.0





#85

sec-Butylbenzene

Concen: 20.972 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tot Ion:105 Resp: 180838

Ion Ratio Lower Upper

105 100

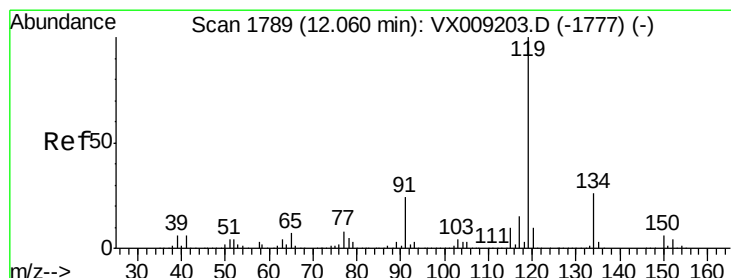
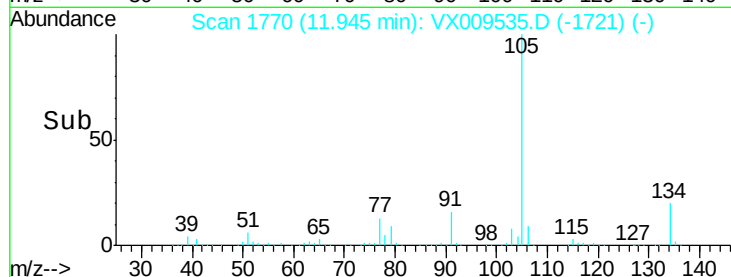
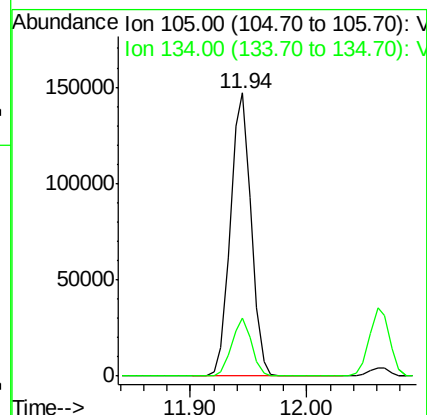
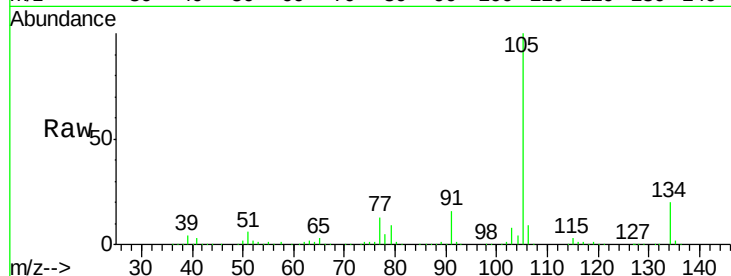
134 19.8 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.463 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

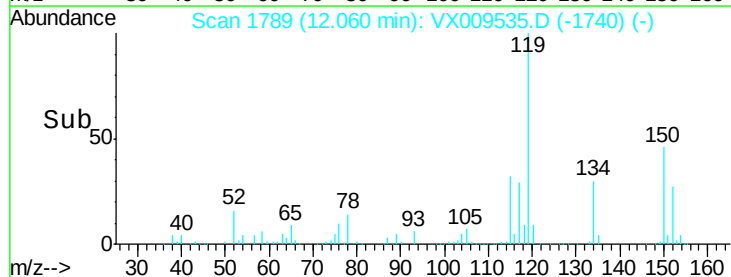
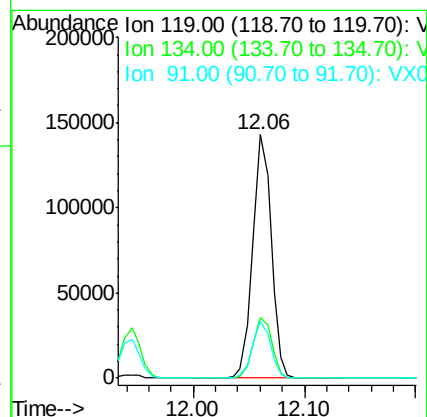
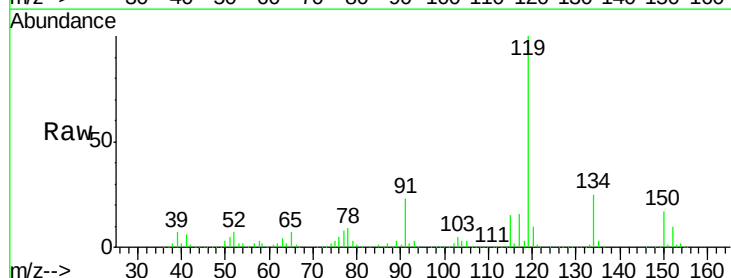
Tgt Ion:119 Resp: 166375

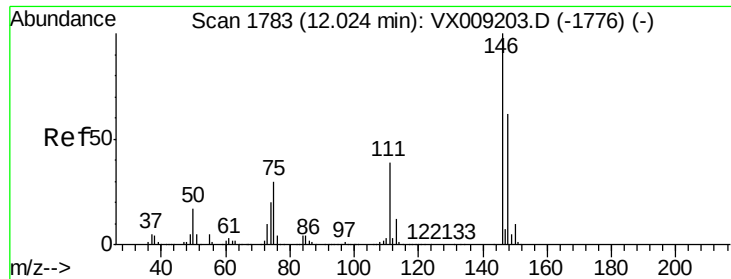
Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 23.3 11.8 35.4





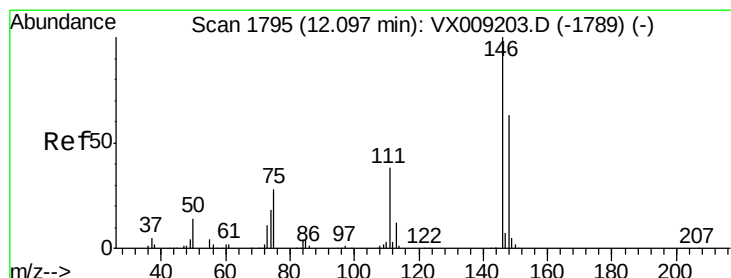
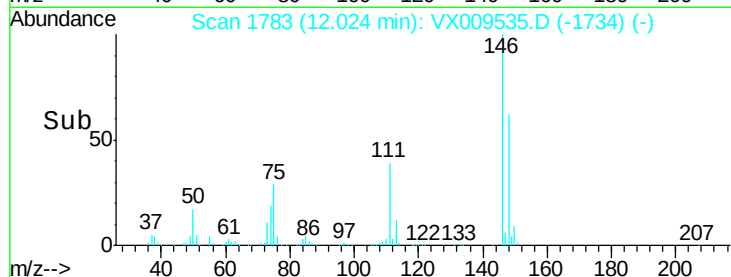
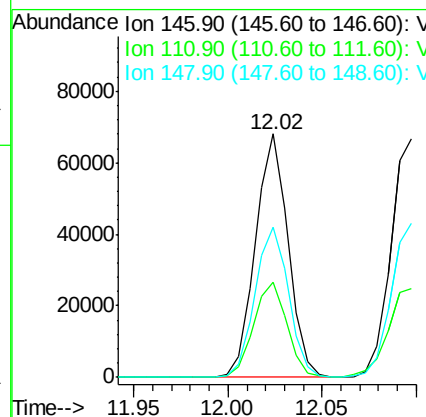
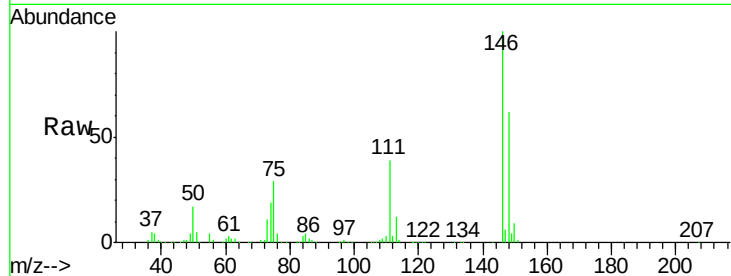
#87
 1,3-Dichlorobenzene
 Concen: 20.831 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	63.5	31.8	95.3

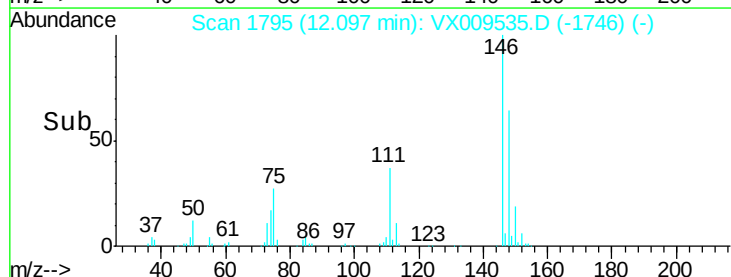
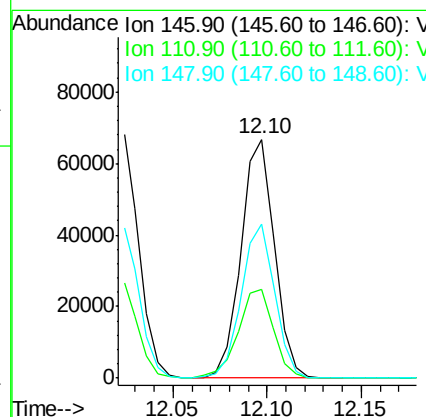
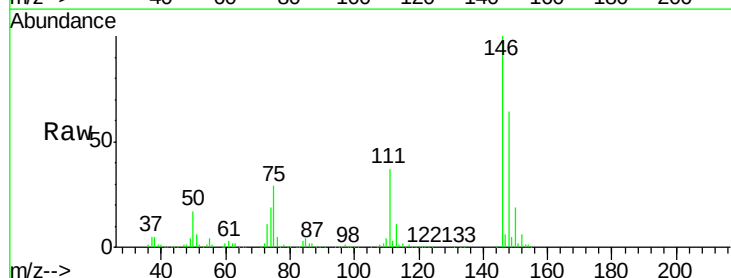
Manual Integrations
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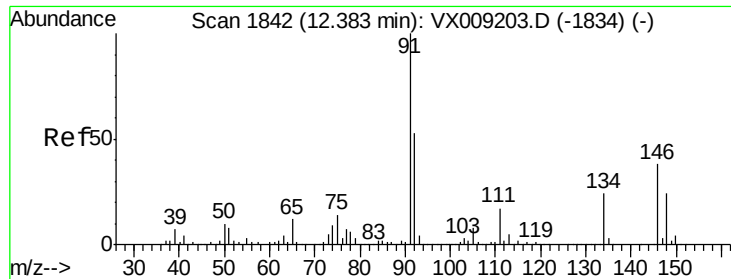
MMDadoda
 5/14/2019 12:15:52 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.665 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.6	58.8
148	64.6	31.8	95.3





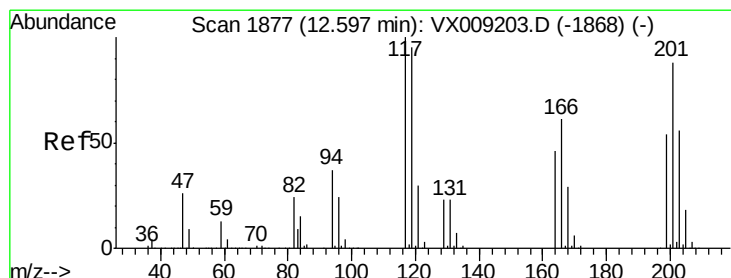
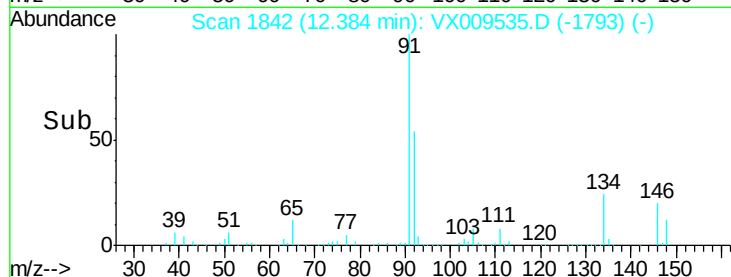
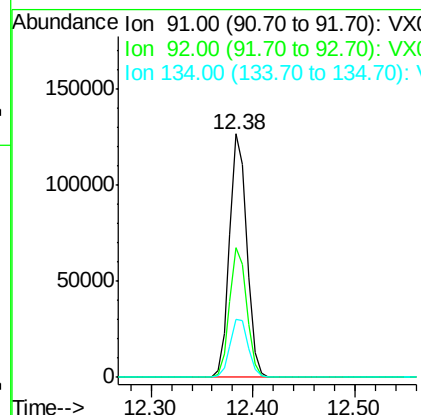
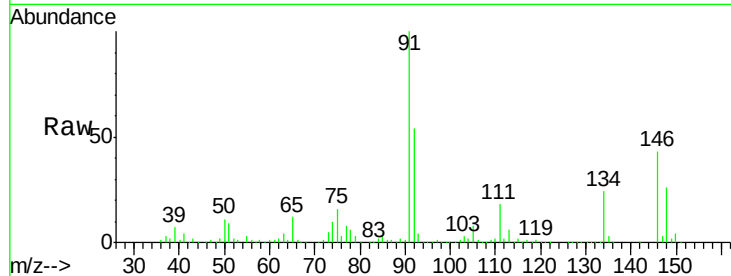
#89
n-Butylbenzene
Concen: 21.316 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.5	79.5
134	24.9	12.4	37.2

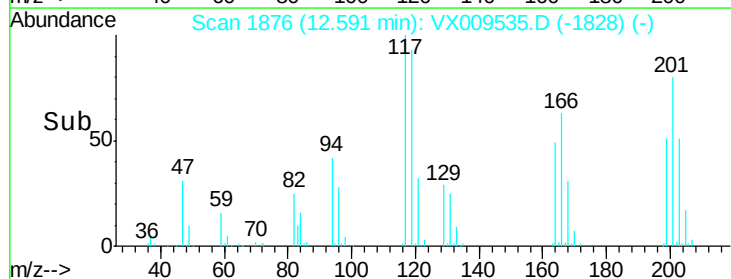
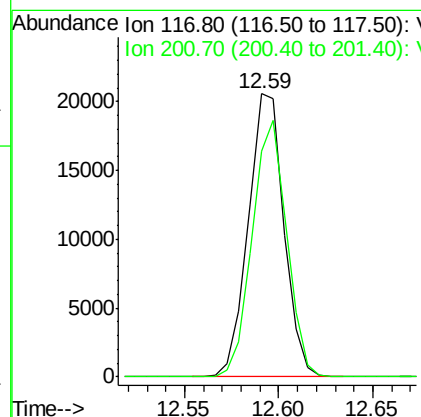
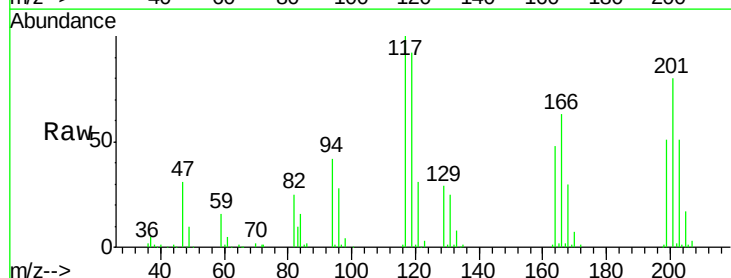
Manual Integrations
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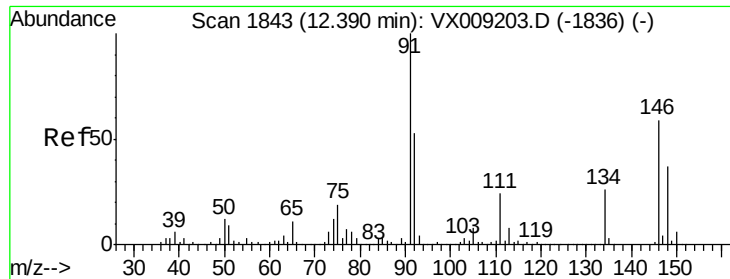
MMDadoda
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#90
Hexachloroethane
Concen: 20.467 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.6	42.3	126.9





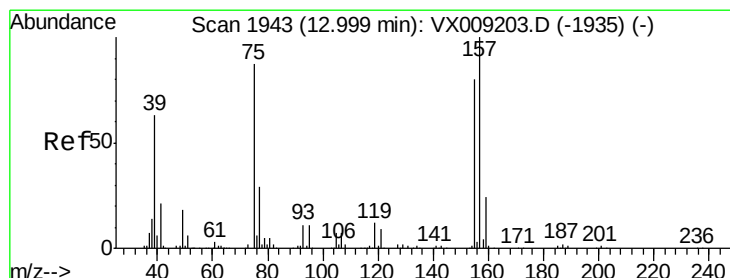
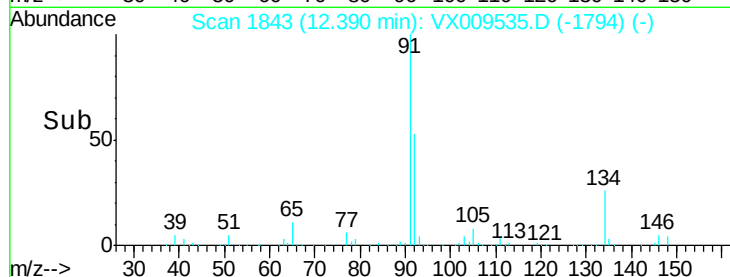
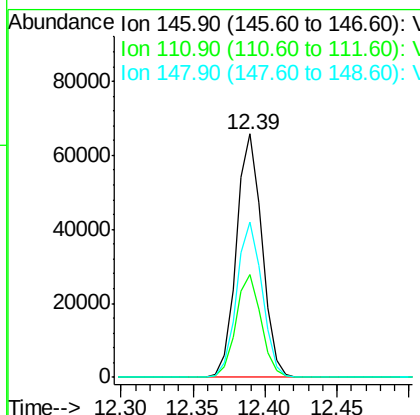
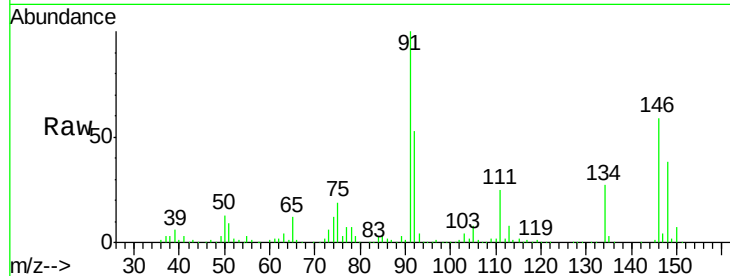
#91
 1,2-Dichlorobenzene
 Concen: 20.334 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.8	62.4
148	64.0	31.9	95.9

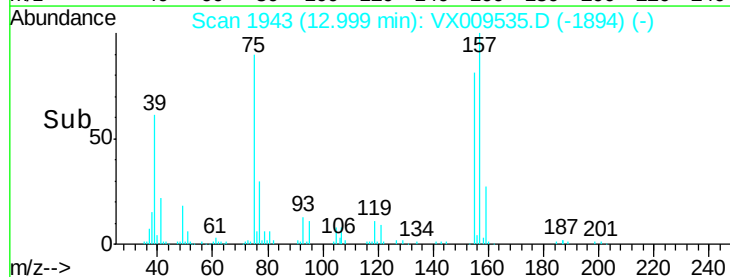
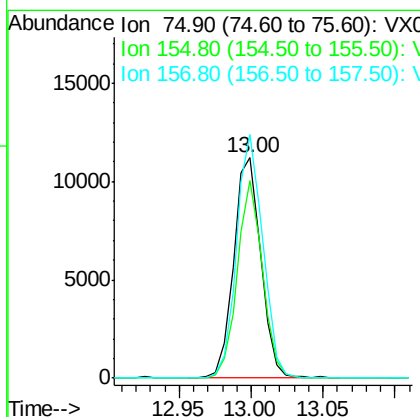
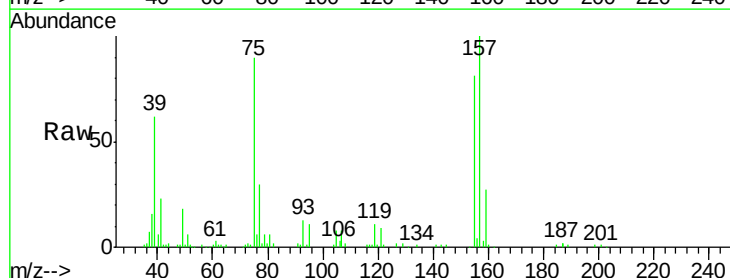
Manual Integrations
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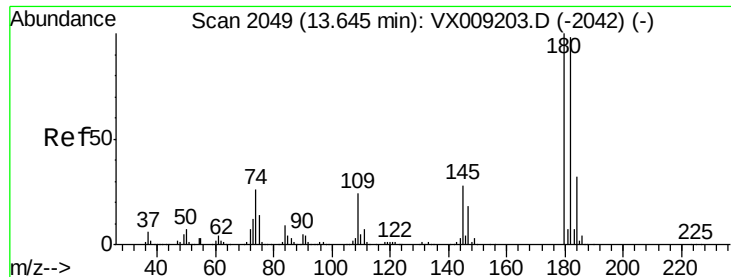
MMDadoda
 5/14/2019 12:15:52 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.926 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.6	42.0	126.0
157	106.1	53.2	159.6





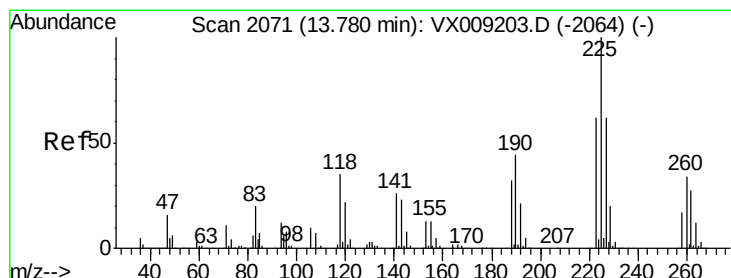
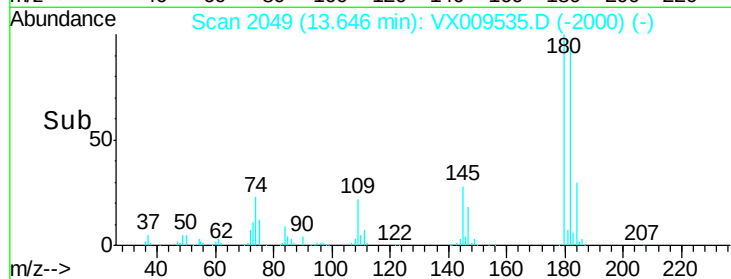
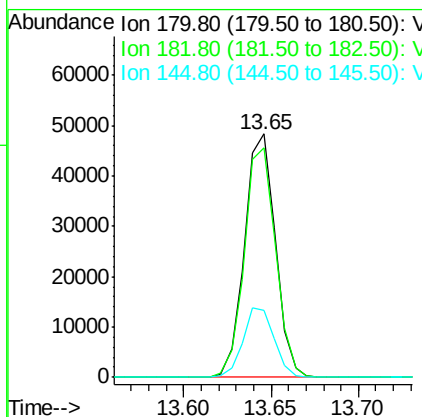
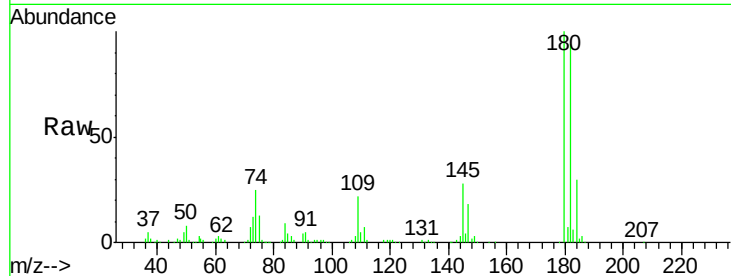
#93
 1,2,4-Trichlorobenzene
 Concen: 21.641 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBS01

Tot Ion:	180	Resp:	59220
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.4	145.2
145	29.1	14.6	43.8

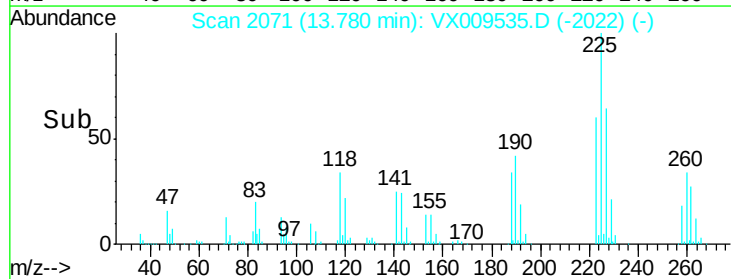
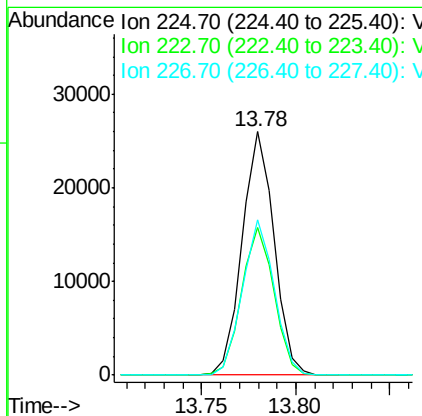
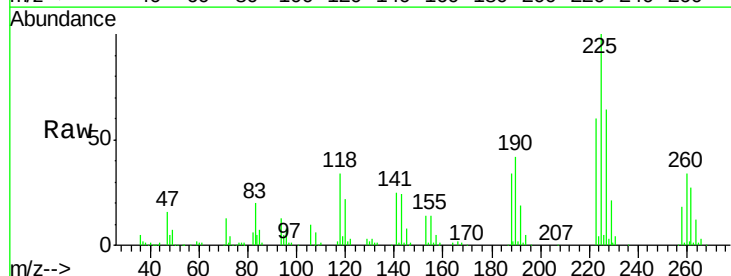
Manual Integrations
 APPROVED

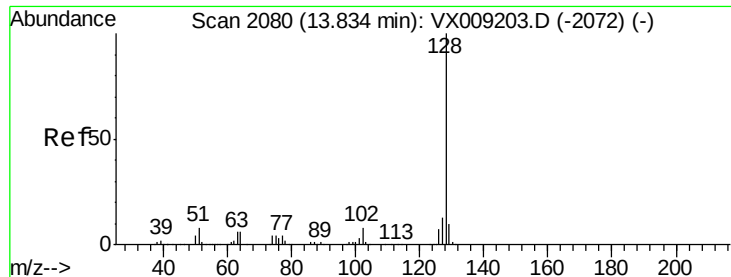
MMDadoda
 5/14/2019 12:15:52 PM



#94
 Hexachlorobutadiene
 Concen: 21.796 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Tgt Ion:	225	Resp:	30458
Ion Ratio	Lower	Upper	
225	100		
223	61.8	31.3	93.8
227	63.6	31.8	95.3





#95

Naphthalene

Concen: 20.840 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

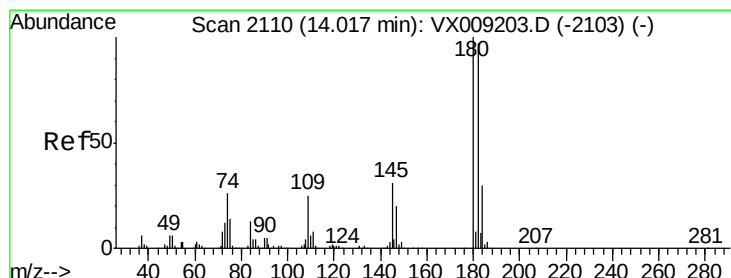
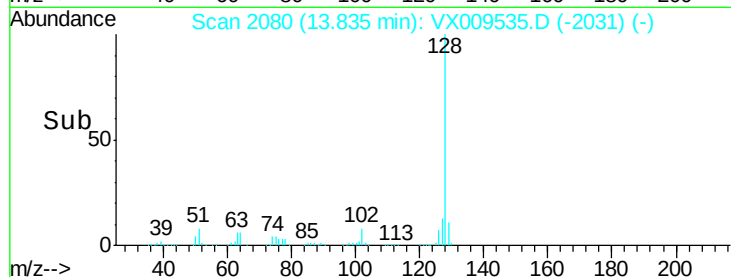
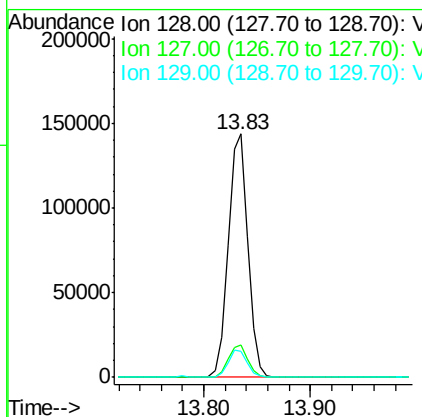
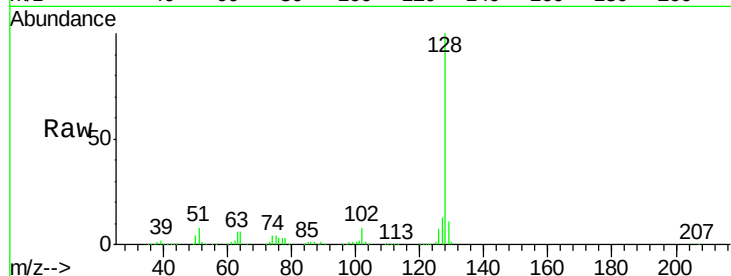
ClientSampleId :

VX0513WBS01

Tot Ion:	128	Resp:	185535
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/14/2019 12:15:52 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.741 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Tgt Ion:	180	Resp:	60307
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.8	143.4
145	30.2	15.4	46.4

