

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050919\
 Data File : VX009446.D
 Acq On : 09 May 2019 23:11
 Operator : JC/SP
 Sample : VX0509WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 1:12:43 PM

Quant Time: May 10 08:25:28 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	162090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	261125	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	237537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114111	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	108018	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
35) Dibromofluoromethane	5.50	113	78988	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
50) Toluene-d8	8.71	98	320628	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
62) 4-Bromofluorobenzene	11.13	95	115935	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	28123	18.828	ug/l	98
3) Chloromethane	1.32	50	42087	20.638	ug/l	100
4) Vinyl Chloride	1.41	62	41012	20.624	ug/l	95
5) Bromomethane	1.64	94	23533	19.717	ug/l	95
6) Chloroethane	1.72	64	27168	21.280	ug/l	97
7) Trichlorofluoromethane	1.93	101	51809	21.434	ug/l	96
8) Diethyl Ether	2.19	74	23384	20.423	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	30911	20.364	ug/l	98
10) Methyl Iodide	2.51	142	26730	18.357	ug/l	98
11) Tert butyl alcohol	3.04	59	52128	101.775	ug/l	99
12) 1,1-Dichloroethene	2.37	96	32178	21.158	ug/l	96
13) Acrolein	2.29	56	50245	108.320	ug/l	99
14) Allyl chloride	2.73	41	72991	19.693	ug/l	99
15) Acrylonitrile	3.14	53	127501	101.810	ug/l	99
16) Acetone	2.44	43	109523	92.180	ug/l	97
17) Carbon Disulfide	2.57	76	90711	21.244	ug/l	99
18) Methyl Acetate	2.77	43	53918	19.082	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	120774	20.450	ug/l	98
20) Methylene Chloride	2.85	84	38597	20.063	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	34219	20.746	ug/l	97
22) Diisopropyl ether	3.85	45	147608	20.709	ug/l	96
23) Vinyl Acetate	3.81	43	642352	105.241	ug/l	100
24) 1,1-Dichloroethane	3.70	63	71397	20.305	ug/l	99
25) 2-Butanone	4.67	43	186170	100.832	ug/l	100
26) 2,2-Dichloropropane	4.58	77	42927	16.401	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	40984	20.817	ug/l	97
28) Bromochloromethane	5.02	49	27813	17.889	ug/l	99
29) Tetrahydrofuran	5.13	42	123342	103.813	ug/l	100
30) Chloroform	5.21	83	65180	20.496	ug/l	97
31) Cyclohexane	5.58	56	69212	21.157	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	54389	20.545	ug/l	98
36) 1,1-Dichloropropene	5.80	75	50006	20.607	ug/l	98
37) Ethyl Acetate	4.84	43	71755	21.223	ug/l	99
38) Carbon Tetrachloride	5.78	117	44584	20.221	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	61331	20.580	ug/l	99
40) Benzene	6.14	78	156546	20.845	ug/l	98
41) Methacrylonitrile	5.04	41	39845	19.797	ug/l	99
42) 1,2-Dichloroethane	6.19	62	57073	21.185	ug/l	99
43) Isopropyl Acetate	6.45	43	110687	20.467	ug/l	100
44) Trichloroethene	7.21	130	37273	20.529	ug/l	98
45) 1,2-Dichloropropane	7.51	63	43999	20.690	ug/l	99
46) Dibromomethane	7.66	93	25280	20.471	ug/l	99
47) Bromodichloromethane	7.90	83	49766	20.203	ug/l	96
48) Methyl methacrylate	7.77	41	55101	20.536	ug/l	99
49) 1,4-Dioxane	7.74	88	22825	419.471	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	366745	103.749	ug/l	100
52) Toluene	8.78	92	97503	21.358	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	54419	19.567	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	61626	20.020	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	38871	20.871	ug/l	96
56) Ethyl methacrylate	9.18	69	68360	20.562	ug/l	100
57) 1,3-Dichloropropane	9.37	76	68007	20.750	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	164470	93.253	ug/l	99
59) 2-Hexanone	9.49	43	283810	102.227	ug/l	98
60) Dibromochloromethane	9.58	129	37459	20.593	ug/l	100
61) 1,2-Dibromoethane	9.67	107	39494	21.007	ug/l	100
64) Tetrachloroethene	9.34	164	35004	21.483	ug/l	98
65) Chlorobenzene	10.13	112	98475	20.724	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	35532	20.625	ug/l	99
67) Ethyl Benzene	10.25	91	181323	20.734	ug/l	100
68) m/p-Xylenes	10.36	106	133300	41.712	ug/l	99
69) o-Xylene	10.69	106	65152	20.663	ug/l	99
70) Styrene	10.71	104	113431	20.698	ug/l	100
71) Bromoform	10.85	173	27669	19.764	ug/l #	100
73) Isopropylbenzene	11.02	105	173574	20.918	ug/l	99
74) N-amyl acetate	10.90	43	97061	20.063	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	62932	20.344	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	55174m	20.844	ug/l	
77) Bromobenzene	11.26	156	43171	20.961	ug/l	98
78) n-propylbenzene	11.36	91	196374	20.722	ug/l	99
79) 2-Chlorotoluene	11.42	91	118143	20.207	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	145873	20.878	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	18586	17.966	ug/l	93
82) 4-Chlorotoluene	11.51	91	137017	20.744	ug/l	100
83) tert-Butylbenzene	11.77	119	139214	20.482	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	146858	20.940	ug/l	99
85) sec-Butylbenzene	11.94	105	165143	20.494	ug/l	100
86) p-Isopropyltoluene	12.06	119	151530	20.917	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	74501	20.291	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	74691	20.178	ug/l	98
89) n-Butylbenzene	12.38	91	129391	19.761	ug/l	100
90) Hexachloroethane	12.60	117	24654	19.976	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	77000	20.590	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14500	20.895	ug/l	99

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ClientSampleId :
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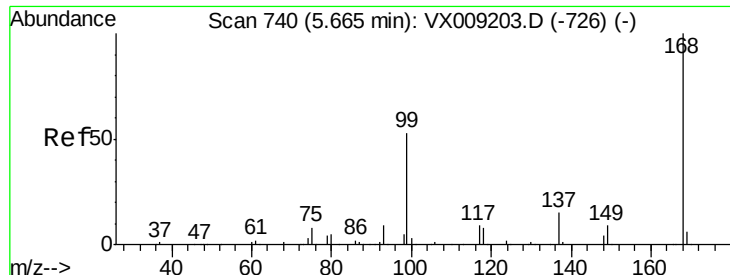
Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
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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	53132	20.776	ug/l	99
94) Hexachlorobutadiene	13.78	225	25999	19.908	ug/l	99
95) Naphthalene	13.83	128	175994	21.153	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	54200	20.908	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: VX009446.D

Acq: 09 May 2019 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS02

Tot Ion:168 Resp: 162090

Ion Ratio Lower Upper

168 100

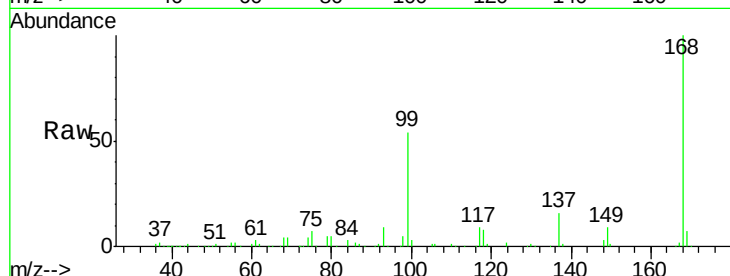
99 54.4 42.3 63.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

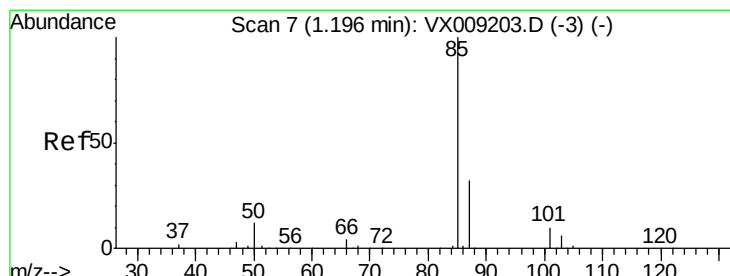
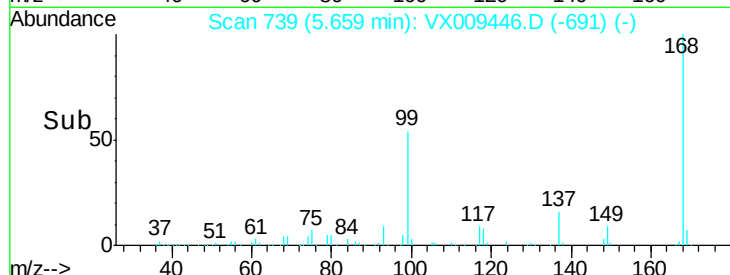
40000

20000

0

Time-->

5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.828 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009446.D

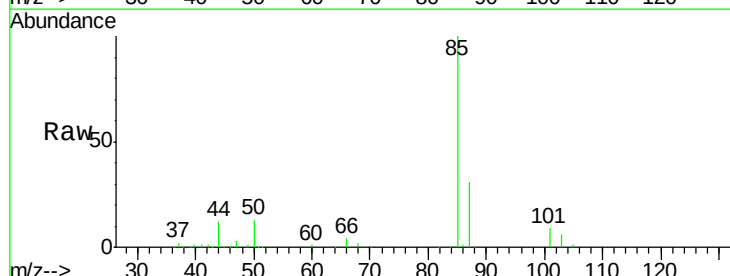
Acq: 09 May 2019 23:11

Tgt Ion: 85 Resp: 28123

Ion Ratio Lower Upper

85 100

87 31.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

30000

25000

20000

15000

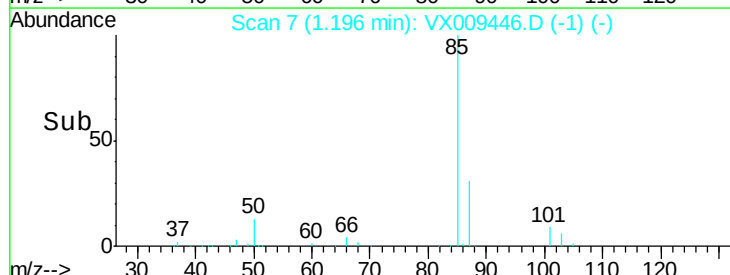
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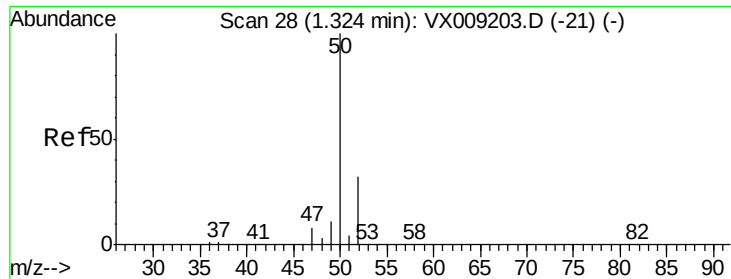
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0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 20.638 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS02

Tot Ion: 50 Resp: 42087

Ion Ratio Lower Upper

50 100

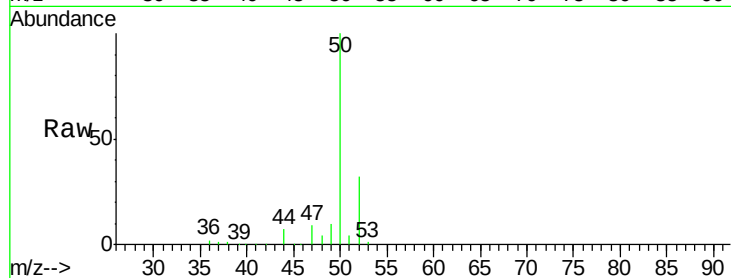
52 32.3 25.9 38.9

Manual Integrations

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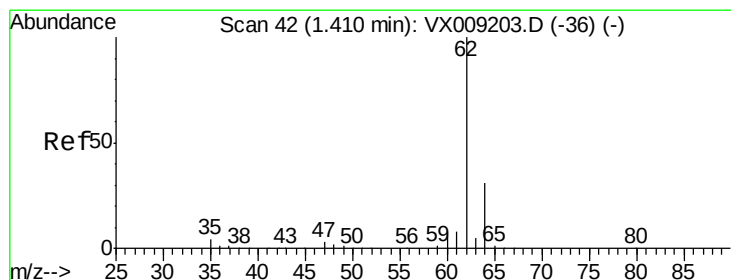
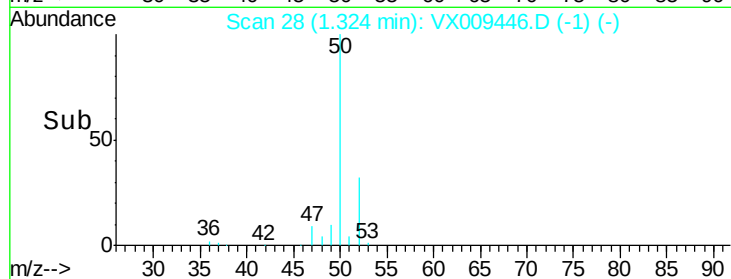
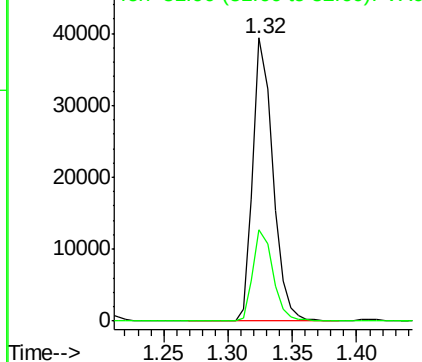
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.624 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009446.D

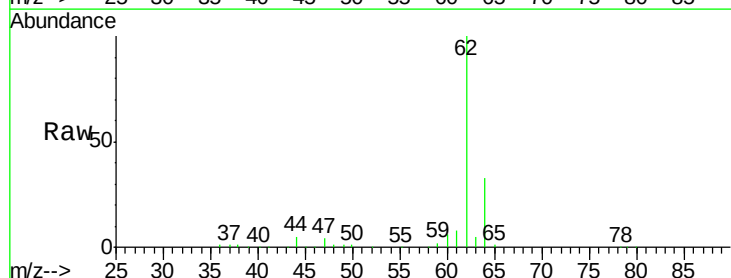
Acq: 09 May 2019 23:11

Tgt Ion: 62 Resp: 41012

Ion Ratio Lower Upper

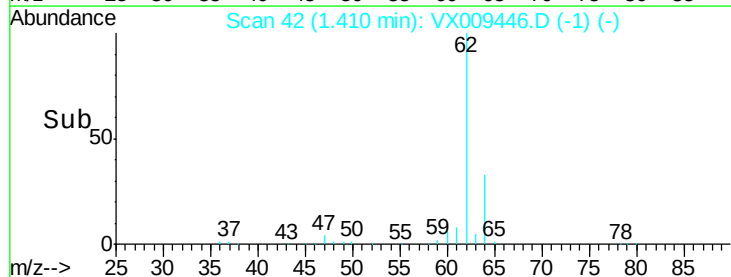
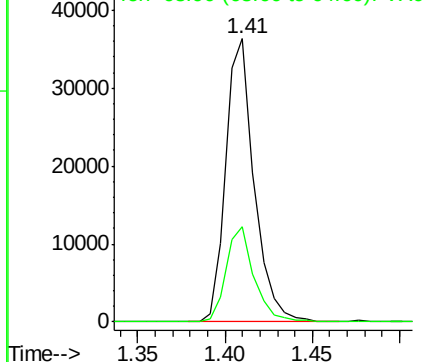
62 100

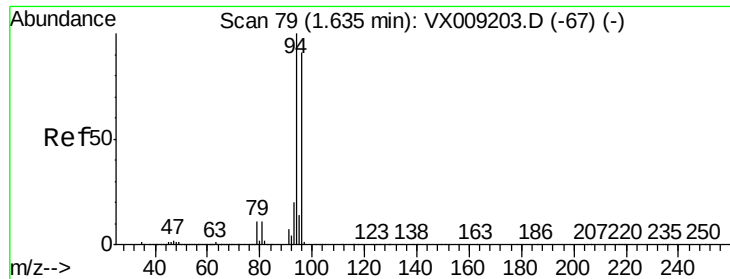
64 33.2 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.717 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS02

Tot Ion: 94 Resp: 23533

Ion Ratio Lower Upper

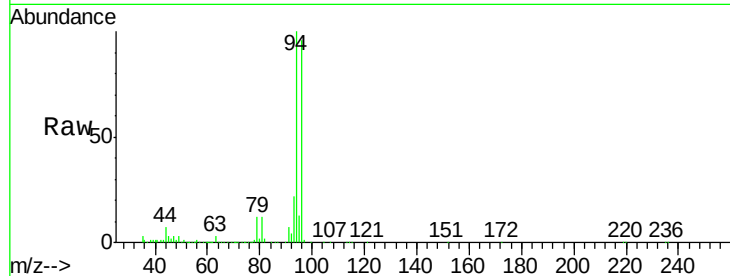
94 100

96 96.2 73.0 109.6

Manual Integrations
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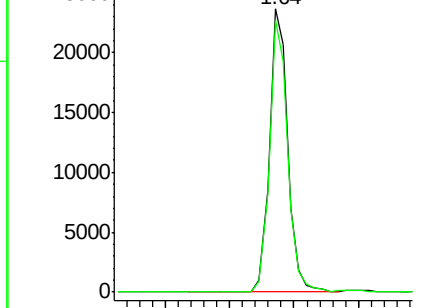
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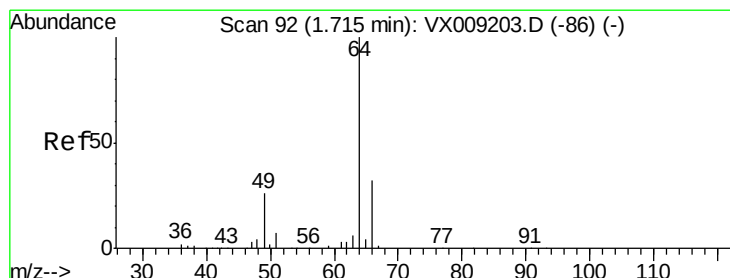
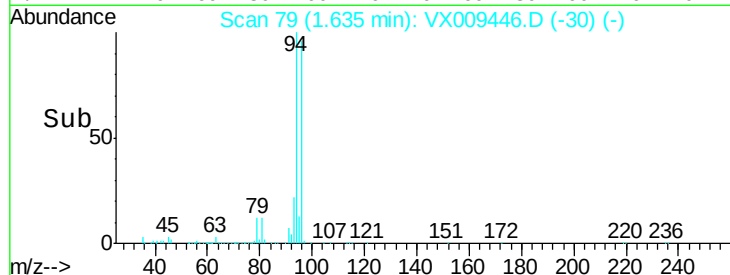


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 21.280 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009446.D

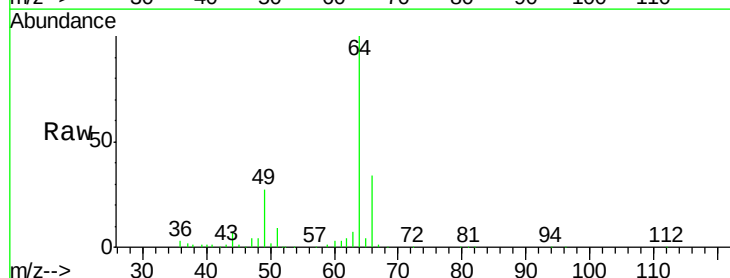
Acq: 09 May 2019 23:11

Tgt Ion: 64 Resp: 27168

Ion Ratio Lower Upper

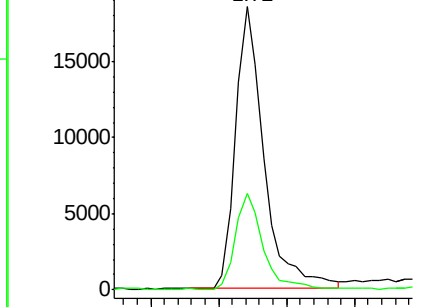
64 100

66 33.4 25.3 37.9

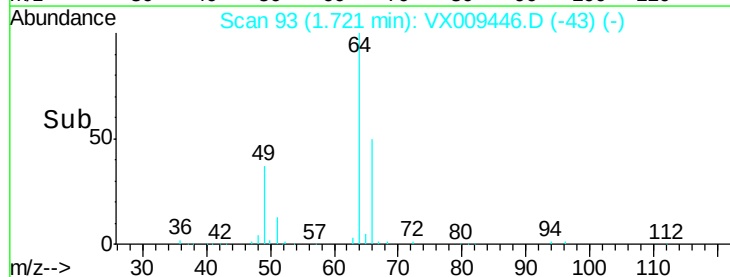


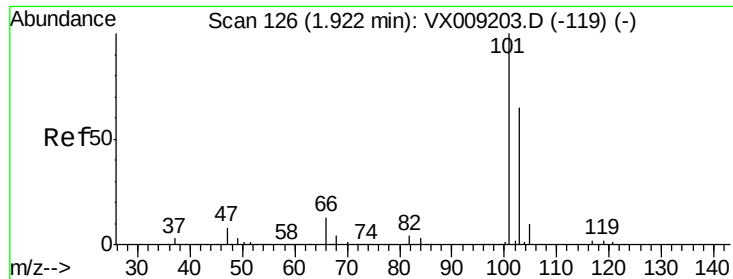
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->





#7

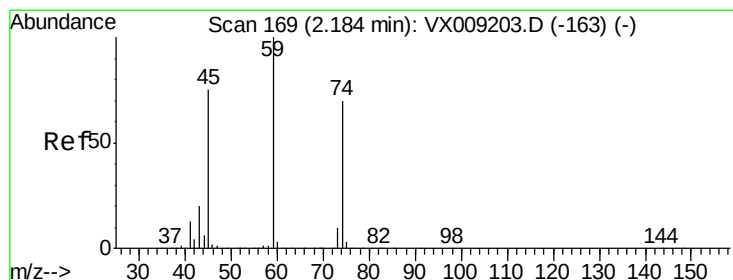
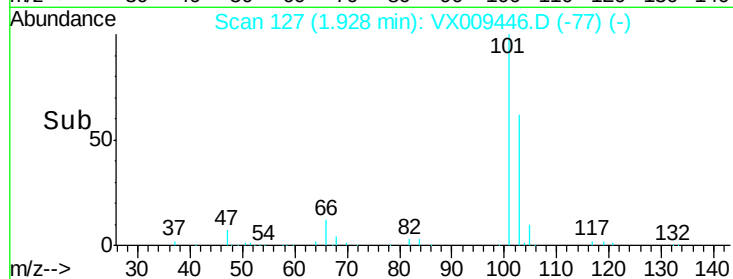
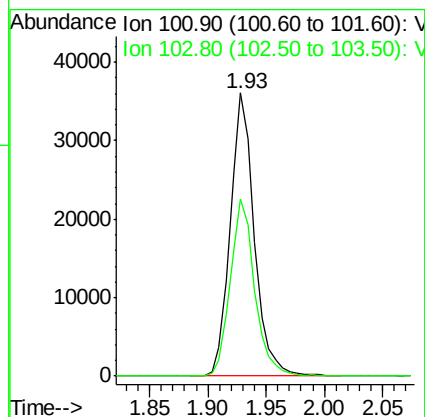
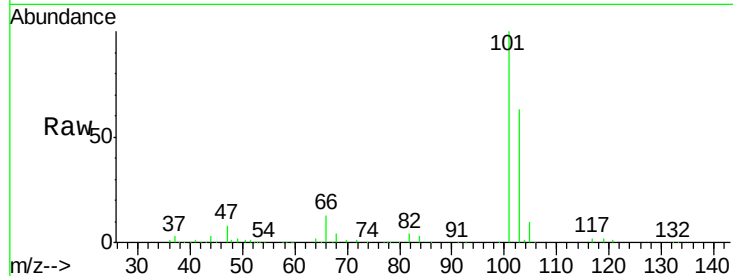
Trichlorofluoromethane
Concen: 21.434 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009446.D
Acq: 09 May 2019 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS02

Tot Ion:101 Resp: 51809
Ion Ratio Lower Upper
101 100
103 62.6 52.4 78.6

Manual Integrations
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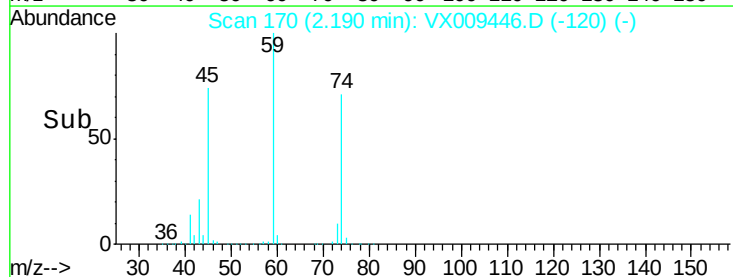
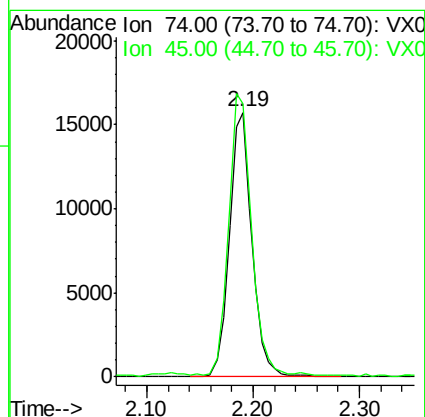
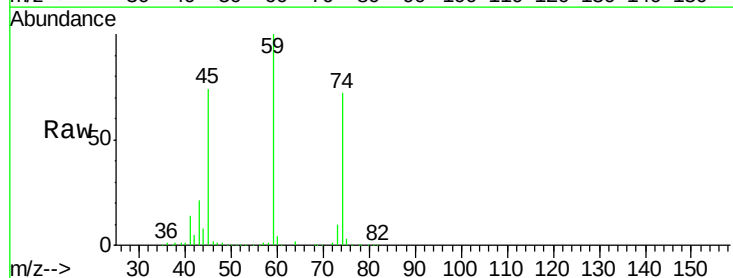
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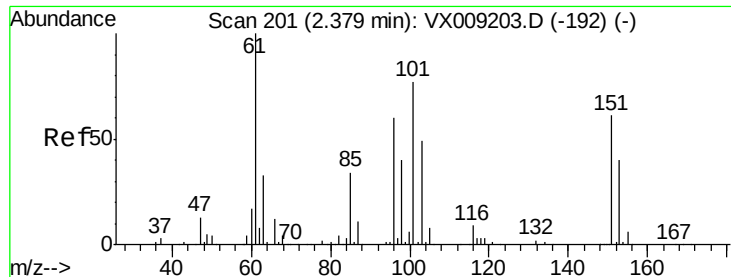


#8

Diethyl Ether
Concen: 20.423 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009446.D
Acq: 09 May 2019 23:11

Tgt Ion: 74 Resp: 23384
Ion Ratio Lower Upper
74 100
45 107.3 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.364 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Instrument :

MSVOA_X

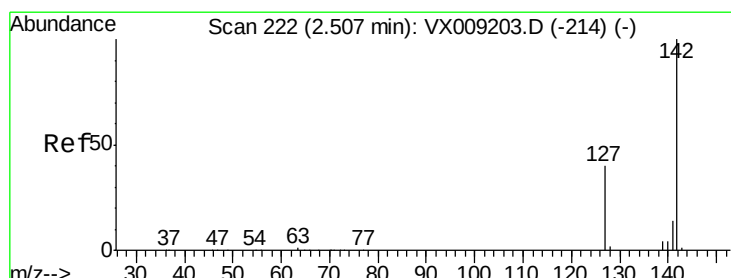
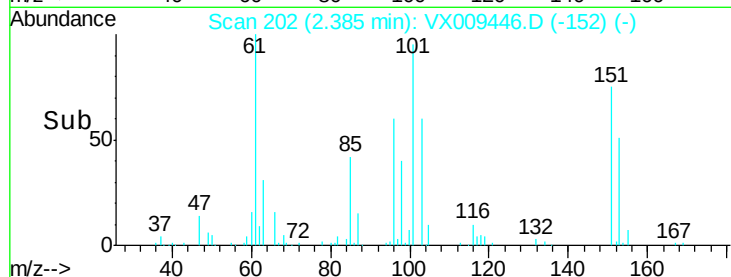
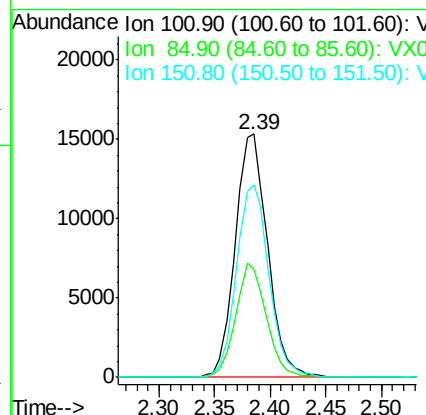
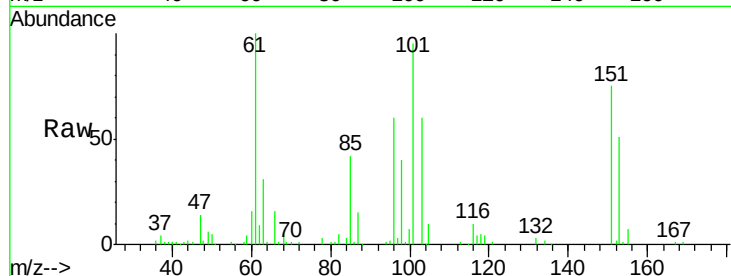
ClientSampleId :

VX0509WBS02

Tot Ion:	101	Resp:	30911
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.7	53.5
151	79.5	62.2	93.2

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#10

Methyl Iodide

Concen: 18.357 ug/l

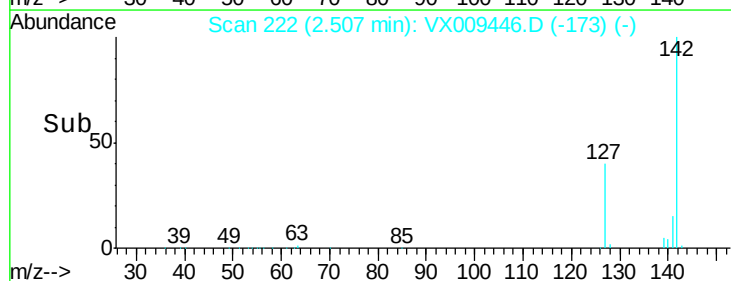
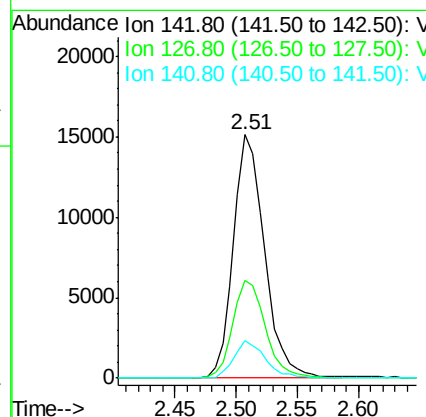
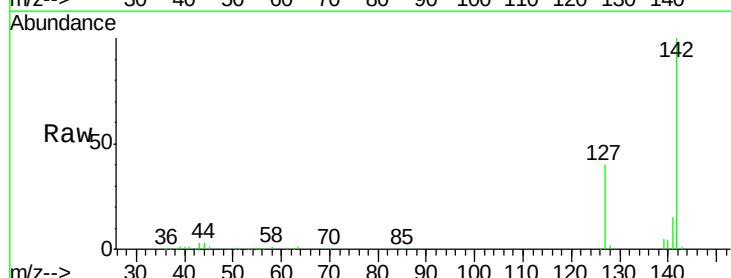
RT: 2.51 min Scan# 222

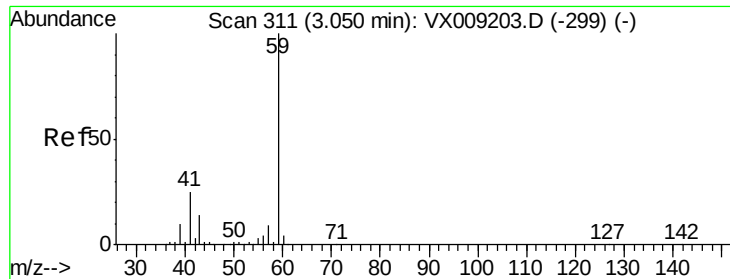
Delta R.T. 0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Tgt Ion:	142	Resp:	26730
Ion Ratio	Lower	Upper	
142	100		
127	41.9	32.7	49.1
141	15.3	11.5	17.3





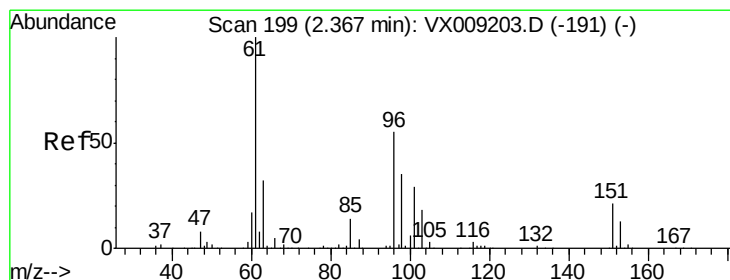
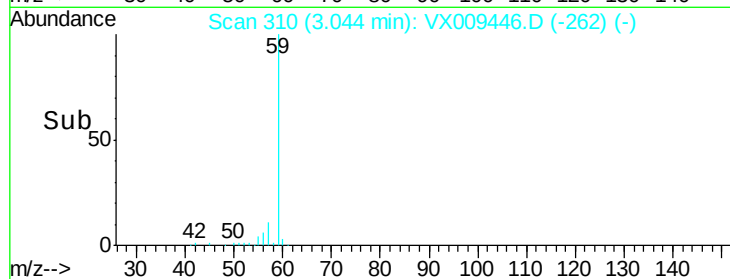
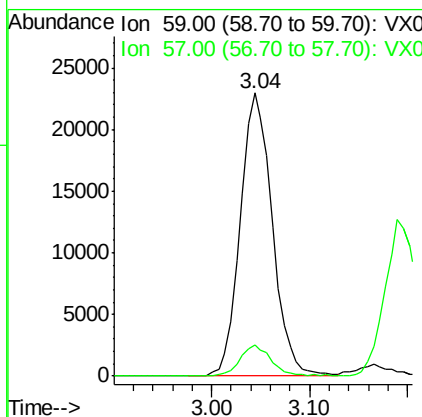
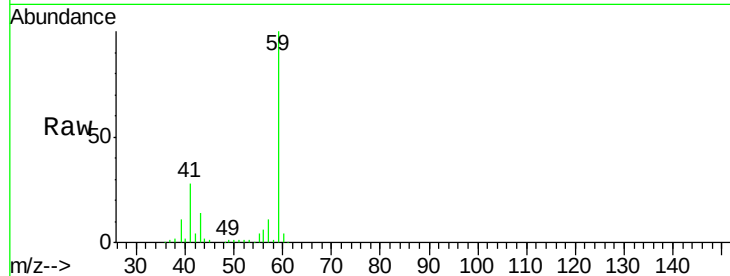
#11
Tert butyl alcohol
Concen: 101.775 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009446.D
Acq: 09 May 2019 23:11

Instrument :
MSVOA_X
ClientSampled :
VX0509WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.2

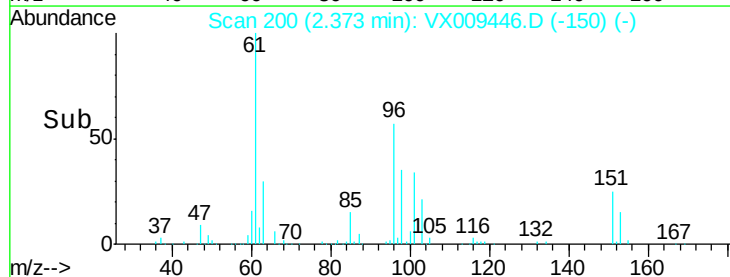
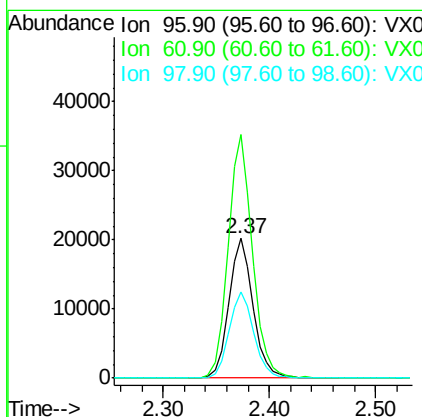
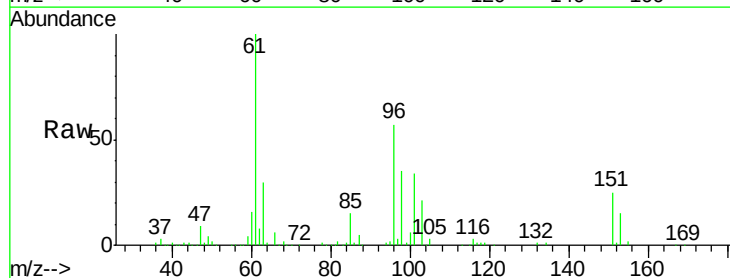
Manual Integrations
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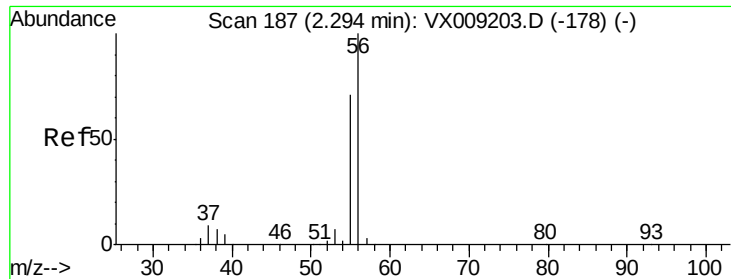
MMDadoda
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#12
1,1-Dichloroethene
Concen: 21.158 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009446.D
Acq: 09 May 2019 23:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.3	144.3	216.5
98	61.3	50.3	75.5





#13

Acrolein

Concen: 108.320 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS02

Tot Ion: 56 Resp: 50245

Ion Ratio Lower Upper

56 100

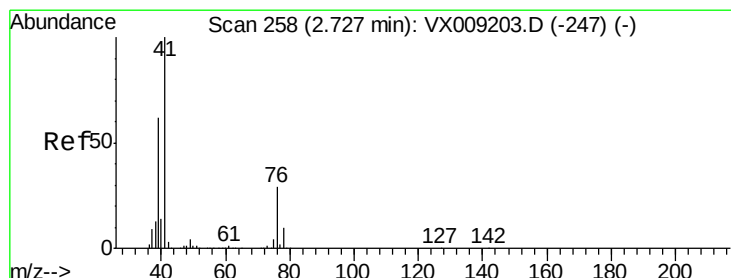
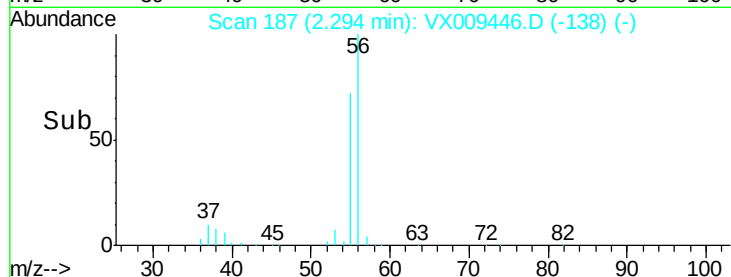
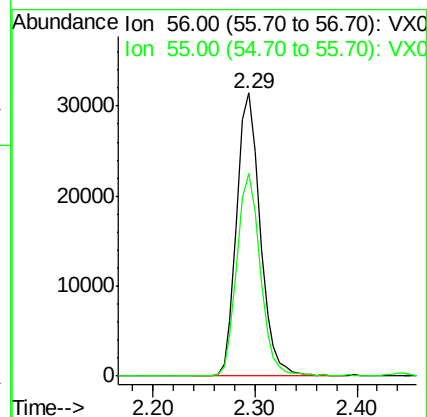
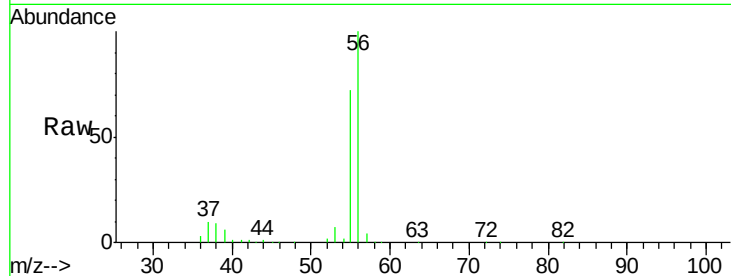
55 71.4 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 19.693 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

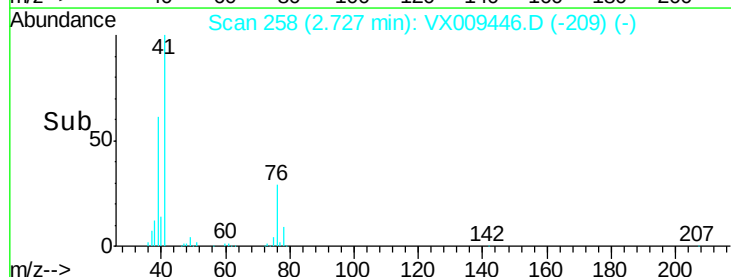
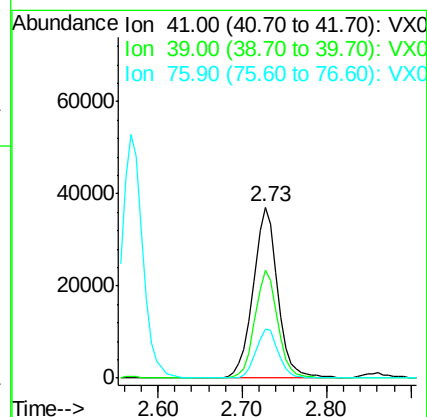
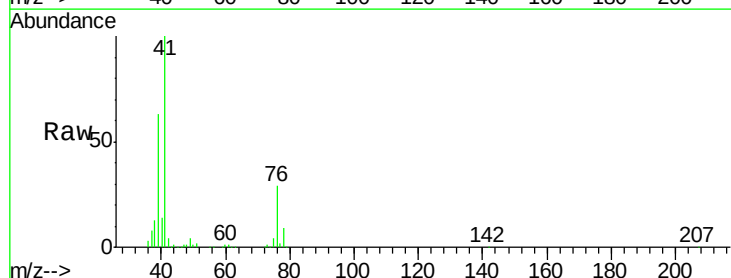
Tgt Ion: 41 Resp: 72991

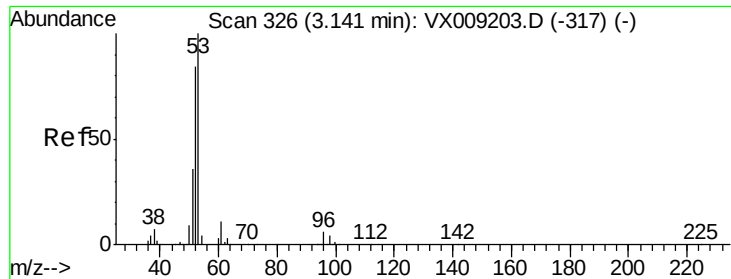
Ion Ratio Lower Upper

41 100

39 58.9 46.7 70.1

76 26.8 21.8 32.8





#15

Acrylonitrile

Concen: 101.810 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Instrument :

MSVOA_X

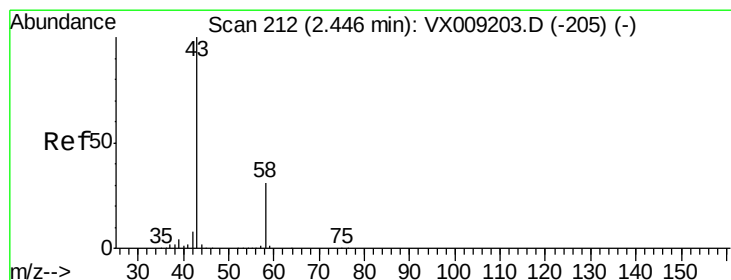
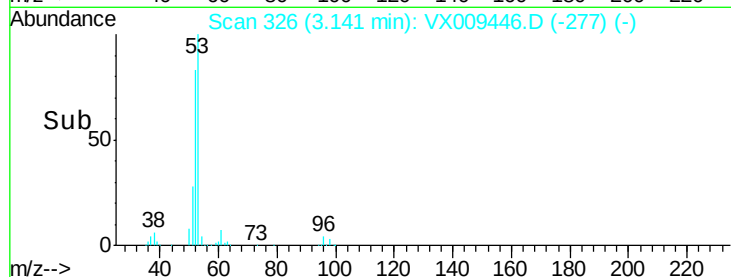
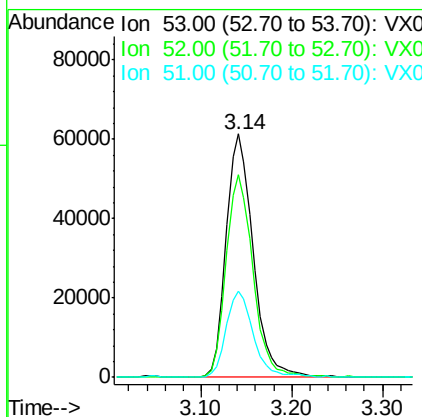
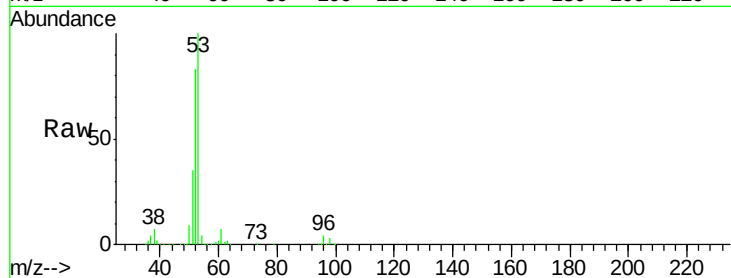
ClientSampleId :

VX0509WBS02

Tot Ion:	53	Resp:	127501
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.9	100.3
51	35.6	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 92.180 ug/l

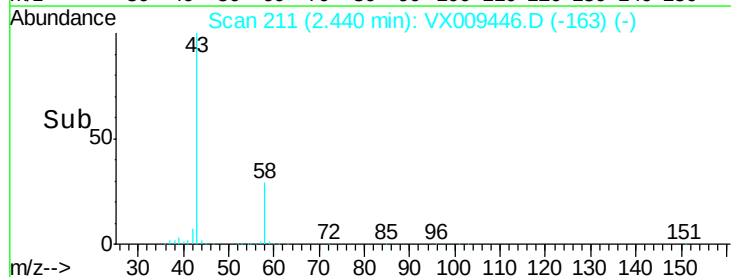
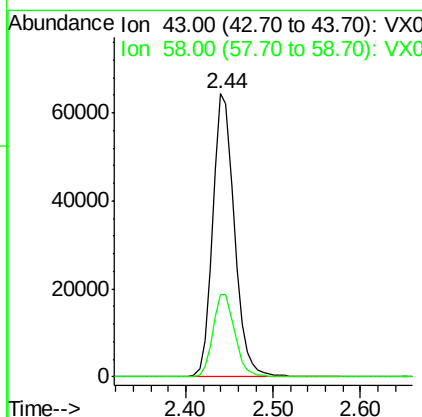
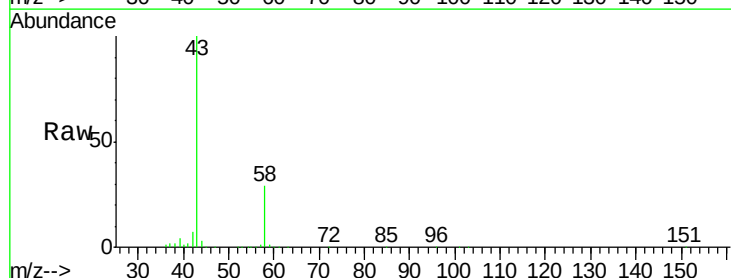
RT: 2.44 min Scan# 211

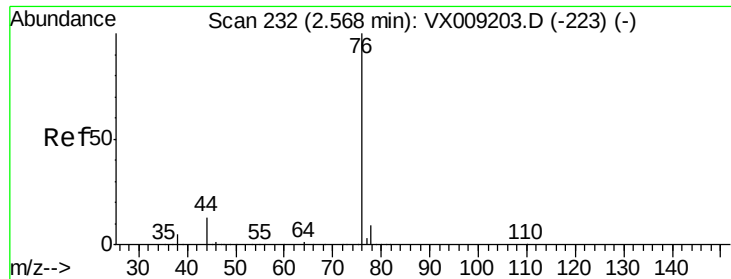
Delta R.T. -0.01 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Tgt Ion:	43	Resp:	109523
Ion Ratio	Lower	Upper	
43	100		
58	29.3	24.9	37.3





#17

Carbon Disulfide

Concen: 21.244 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS02

Tot Ion: 76 Resp: 90711

Ion Ratio Lower Upper

76 100

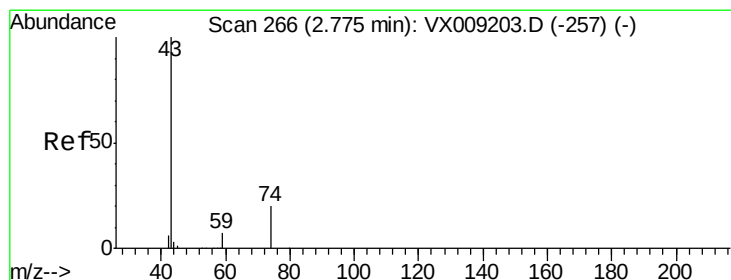
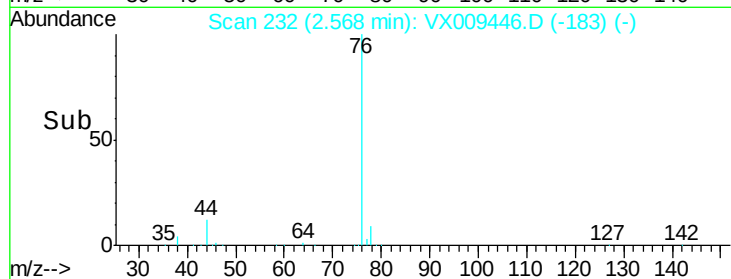
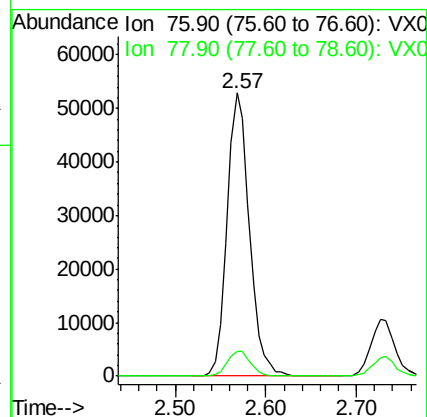
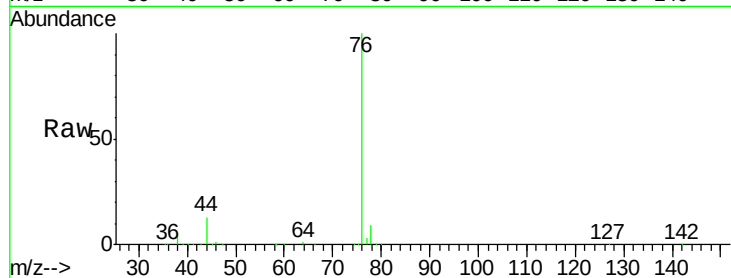
78 8.8 7.4 11.0

Manual Integrations

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#18

Methyl Acetate

Concen: 19.082 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX009446.D

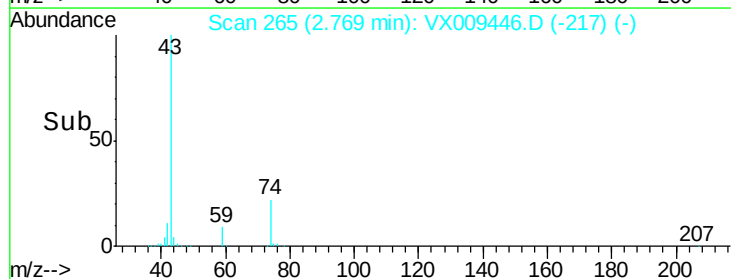
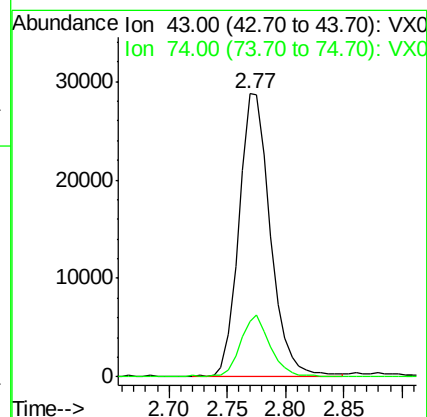
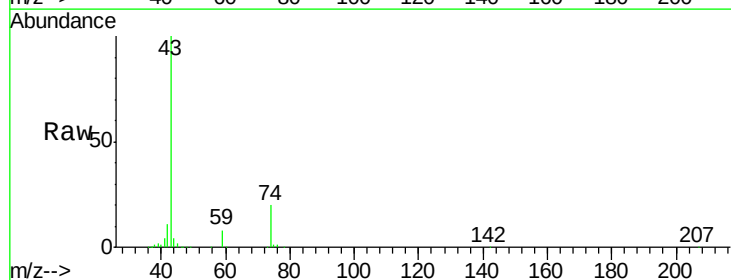
Acq: 09 May 2019 23:11

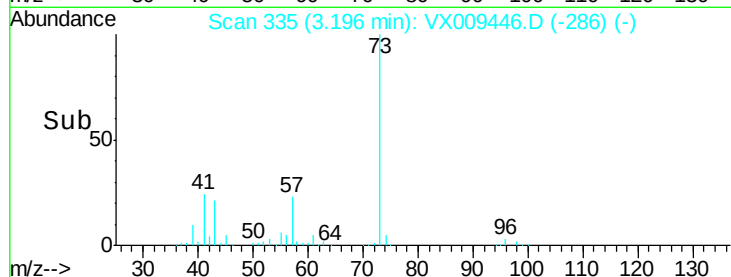
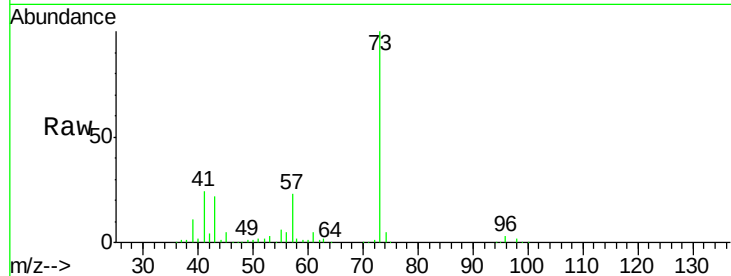
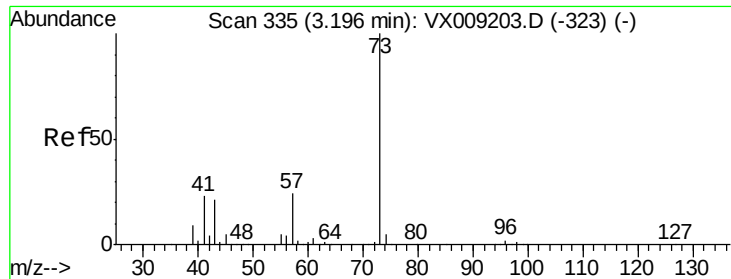
Tgt Ion: 43 Resp: 53918

Ion Ratio Lower Upper

43 100

74 21.0 16.2 24.4





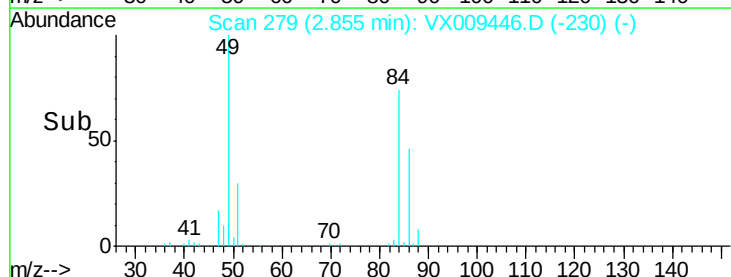
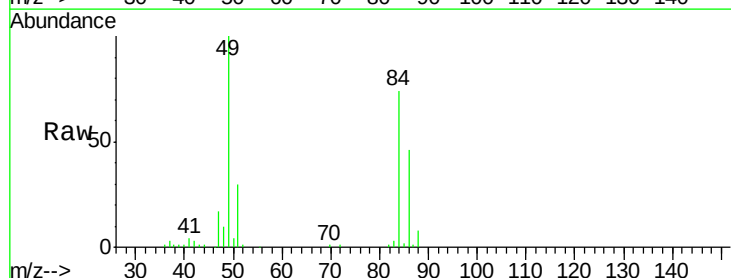
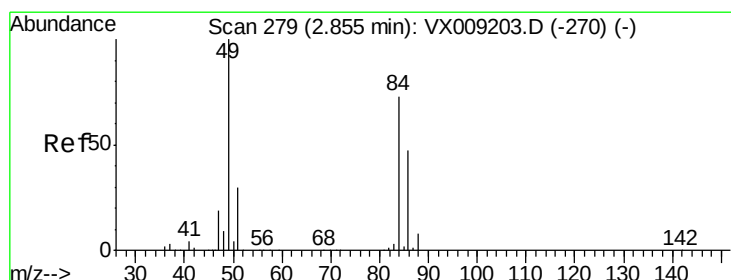
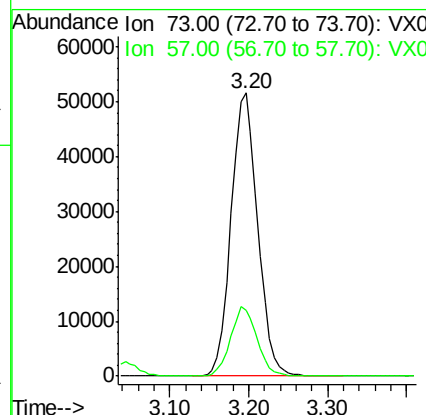
#19
Methyl tert-butyl Ether
Concen: 20.450 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009446.D
Acq: 09 May 2019 23:11

Tot Ion: 73 Resp: 120774
Ion Ratio Lower Upper
73 100
57 23.2 19.3 28.9

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS02

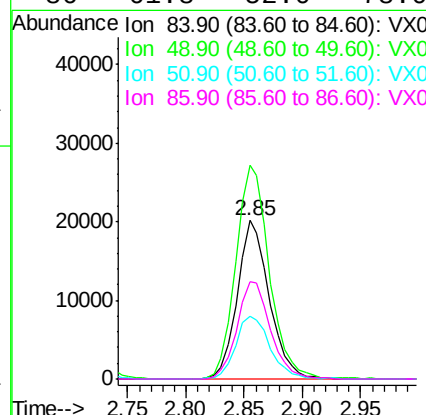
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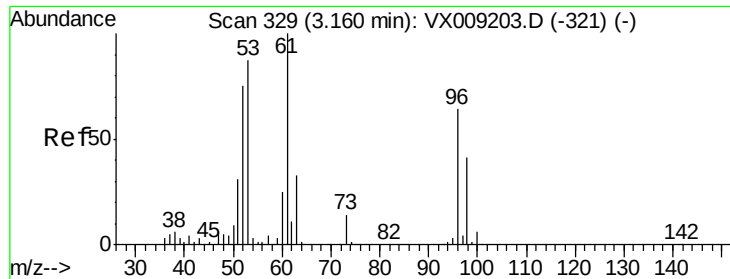
MMDadoda
5/10/2019 1:12:43 PM



#20
Methylene Chloride
Concen: 20.063 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009446.D
Acq: 09 May 2019 23:11

Tgt Ion: 84 Resp: 38597
Ion Ratio Lower Upper
84 100
49 134.9 109.9 164.9
51 39.6 32.7 49.1
86 61.8 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 20.746 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS02

Tot Ion: 96 Resp: 34219

Ion Ratio Lower Upper

96 100

61 151.3 124.5 186.7

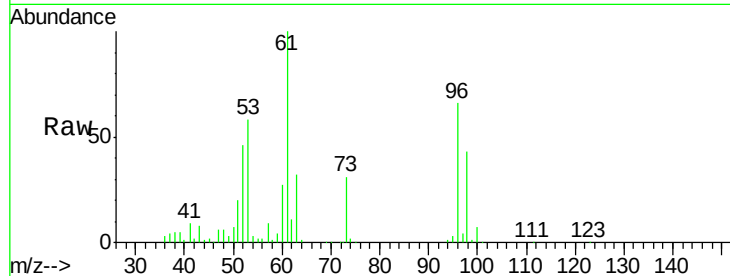
98 65.7 50.4 75.6

Manual Integrations

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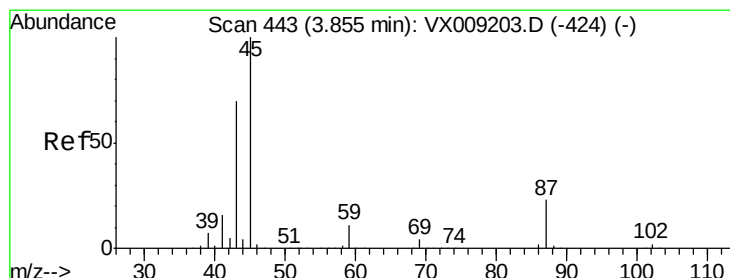
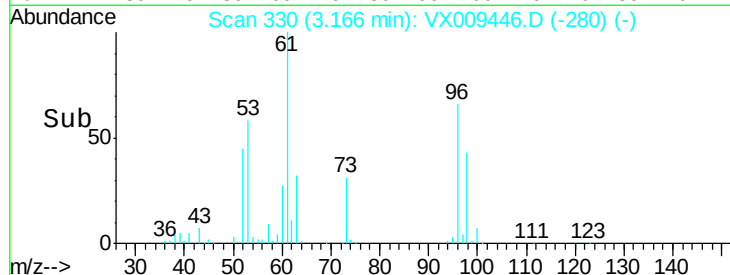
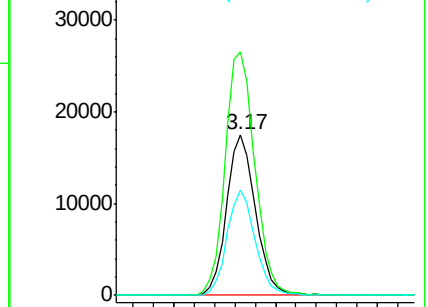
5/10/2019 1:12:43 PM



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: 20.709 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Tgt Ion: 45 Resp: 147608

Ion Ratio Lower Upper

45 100

43 74.4 56.1 84.1

87 23.3 18.1 27.1

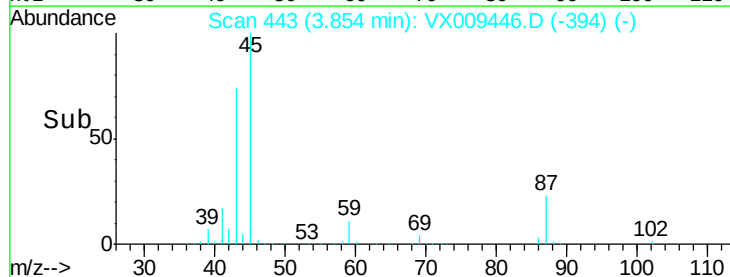
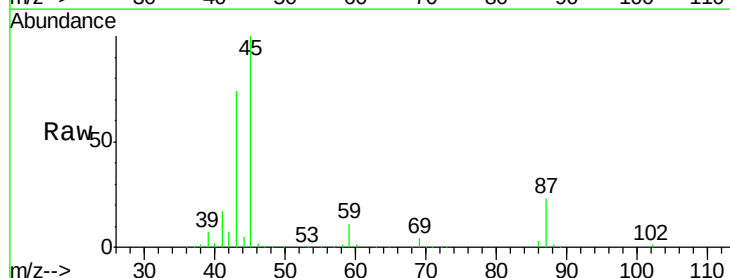
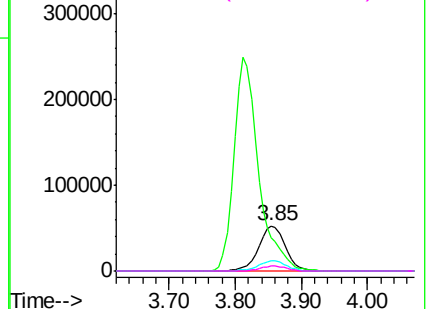
59 10.8 8.5 12.7

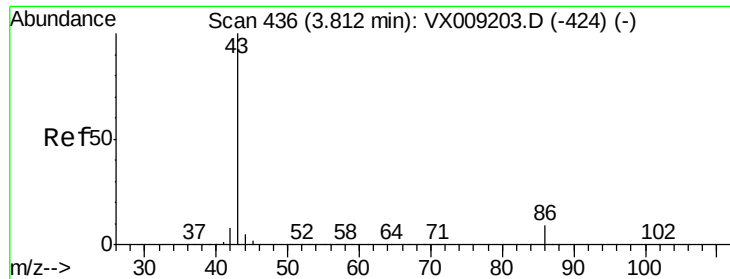
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 105.241 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS02

Tot Ion: 43 Resp: 642352

Ion Ratio Lower Upper

43 100

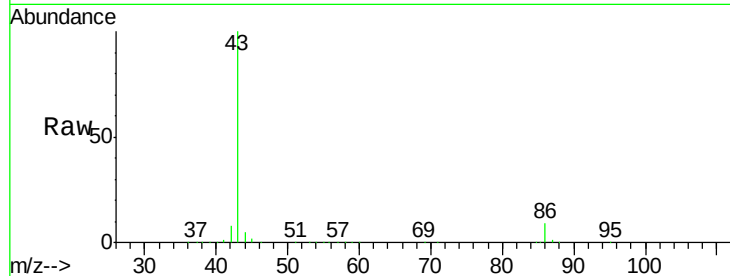
86 8.7 6.9 10.3

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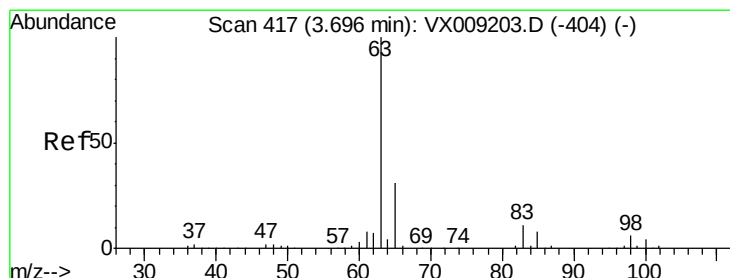
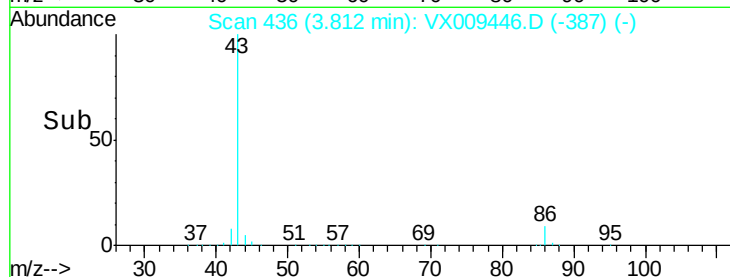
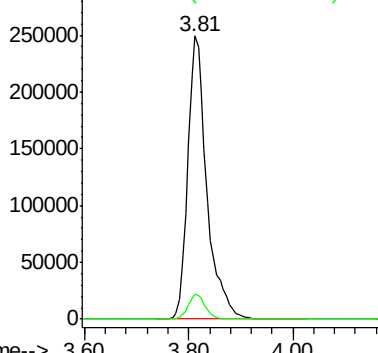
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.305 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

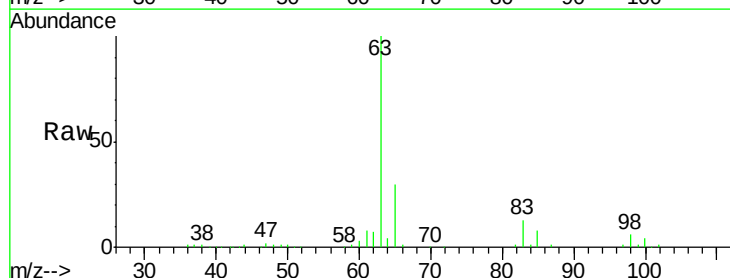
Tgt Ion: 63 Resp: 71397

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

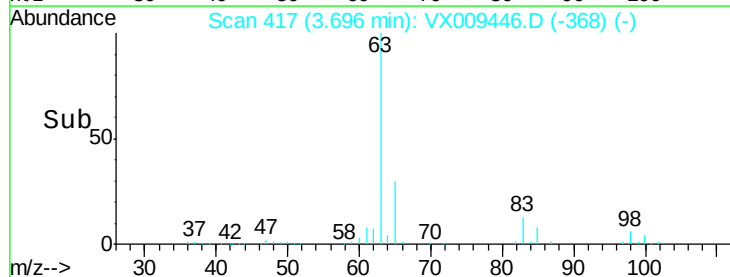
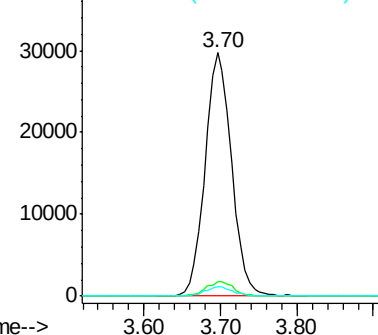
100 4.1 2.0 6.0

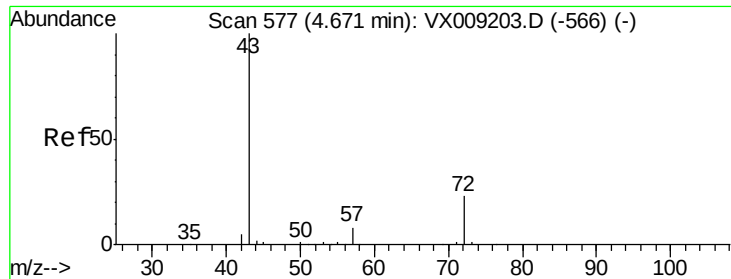


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 100.832 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS02

Tot Ion: 43 Resp: 186170

Ion Ratio Lower Upper

43 100

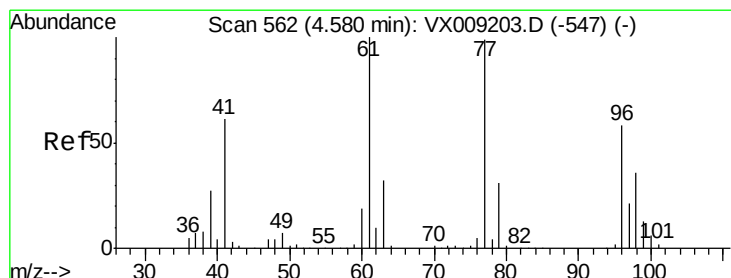
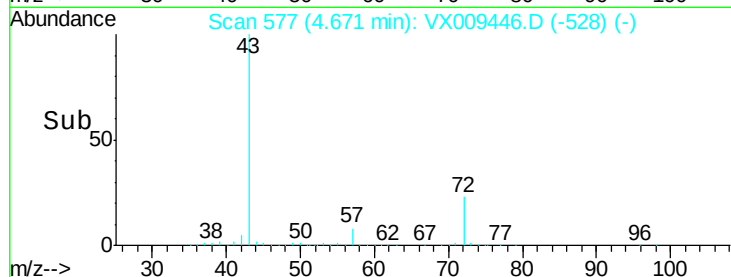
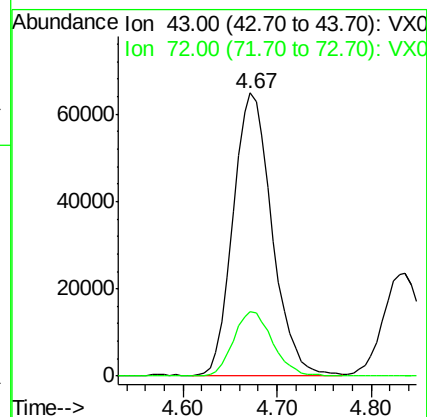
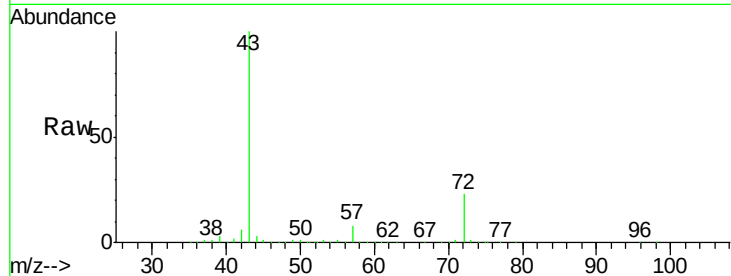
72 22.6 18.2 27.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.401 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009446.D

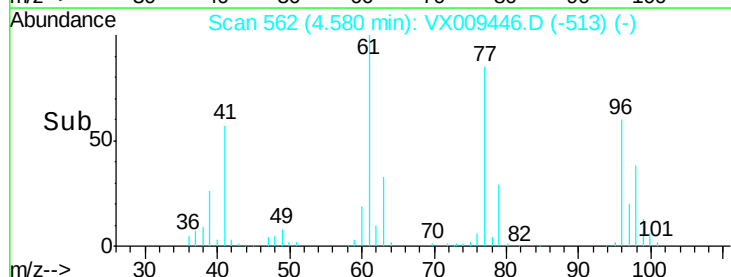
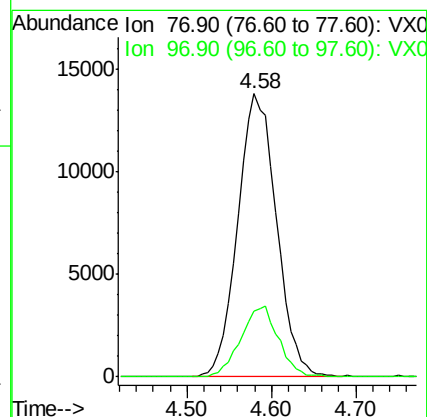
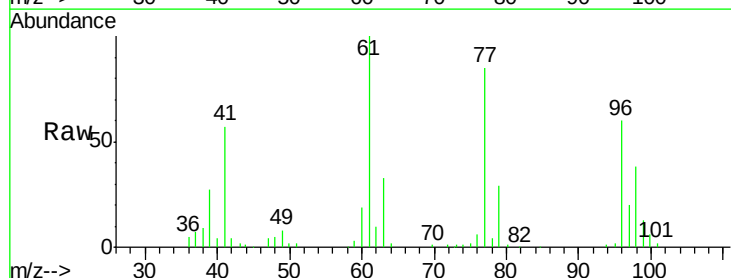
Acq: 09 May 2019 23:11

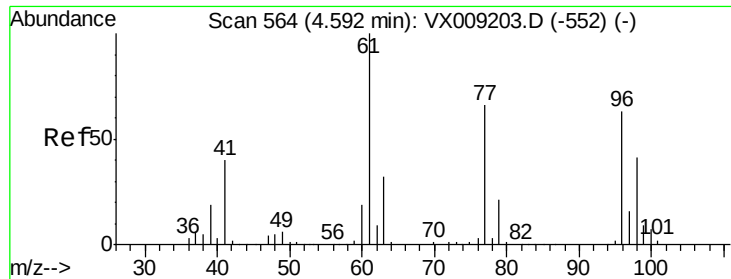
Tgt Ion: 77 Resp: 42927

Ion Ratio Lower Upper

77 100

97 24.3 11.5 34.4





#27

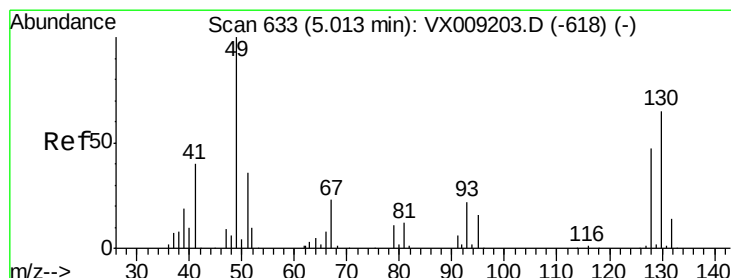
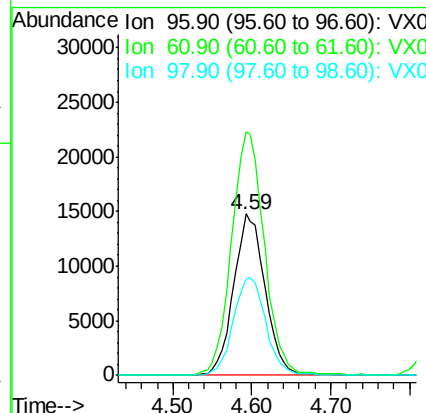
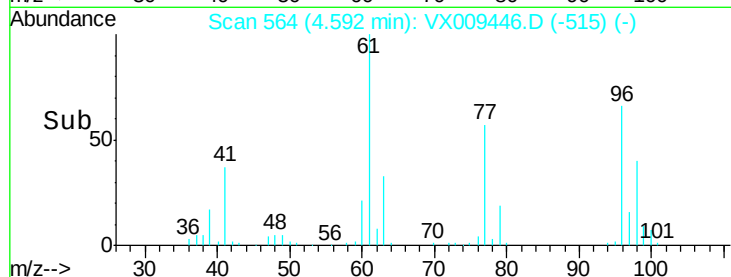
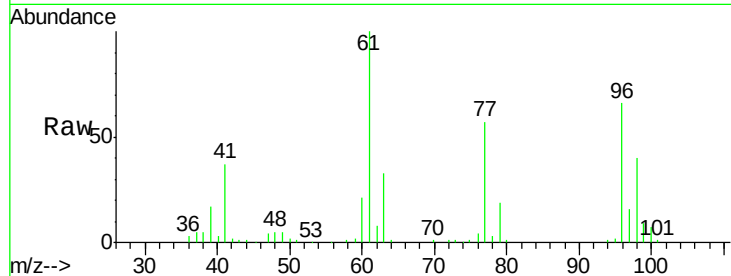
cis-1,2-Dichloroethene
Concen: 20.817 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX009446.D
Acq: 09 May 2019 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	40984		
61	157.6		0.0	324.0
98	62.5		0.0	130.4

Manual Integrations
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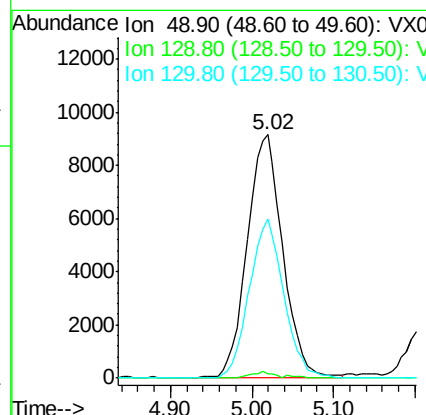
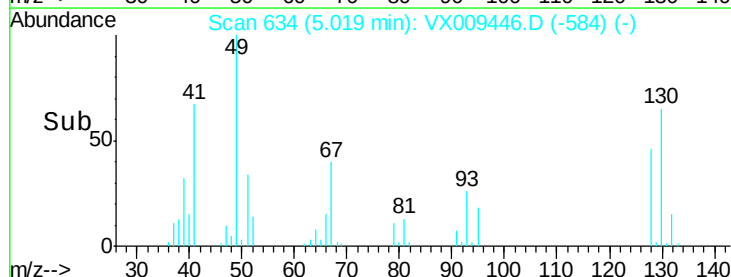
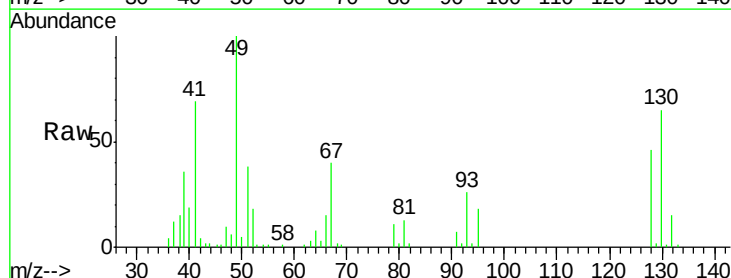
MMDadoda
5/10/2019 1:12:43 PM

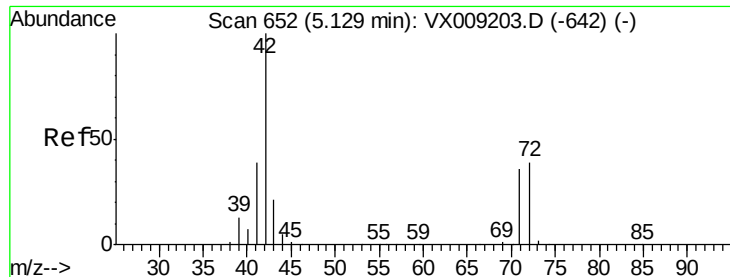


#28

Bromochloromethane
Concen: 17.889 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009446.D
Acq: 09 May 2019 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	27813		
129	1.6		0.0	3.8
130	63.0		51.2	76.8





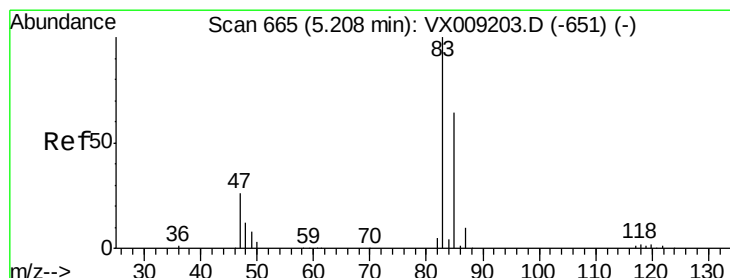
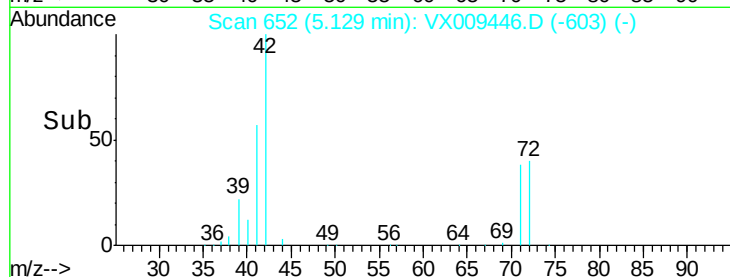
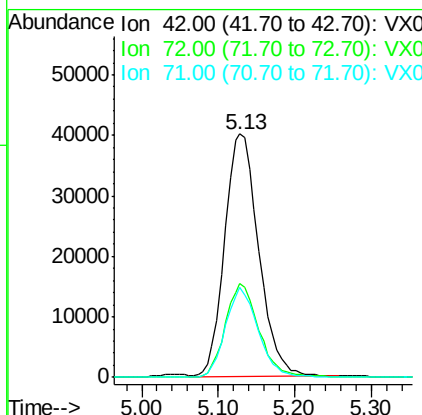
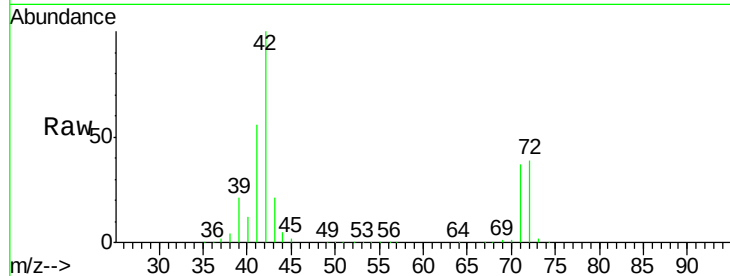
#29
Tetrahydrofuran
Concen: 103.813 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009446.D
Acq: 09 May 2019 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.2	30.4	45.6
71	35.8	28.6	43.0

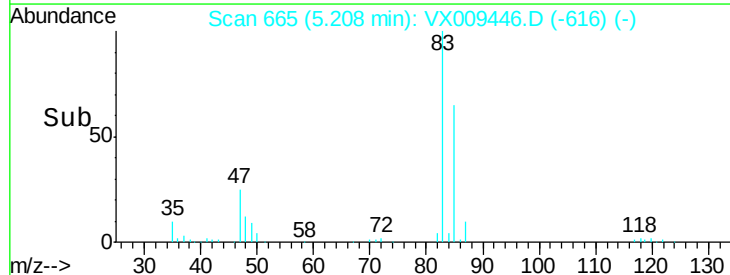
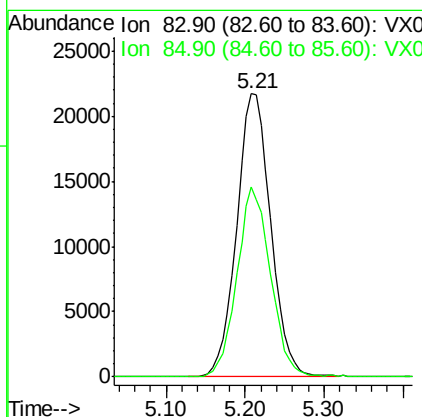
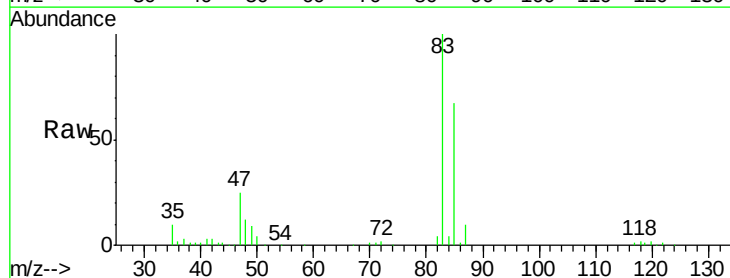
Manual Integrations
APPROVED

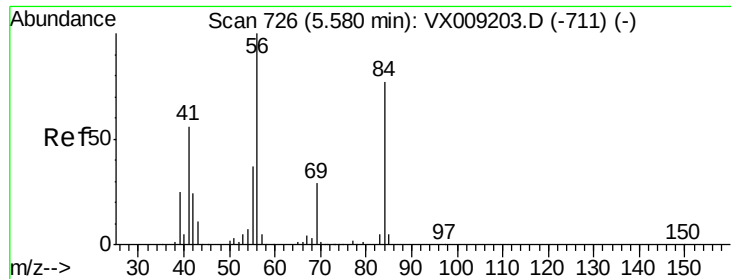
MMDadoda
5/10/2019 1:12:43 PM



#30
Chloroform
Concen: 20.496 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX009446.D
Acq: 09 May 2019 23:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	51.5	77.3





#31

Cyclohexane

Concen: 21.157 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Instrument :

MSVOA_X

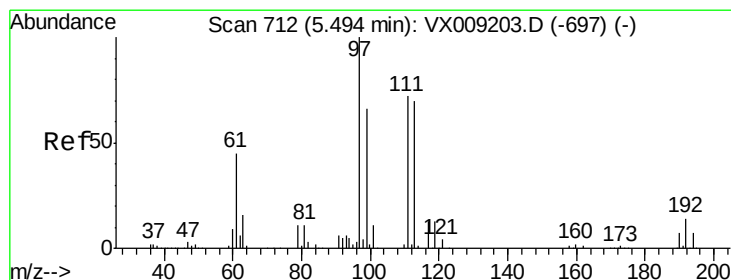
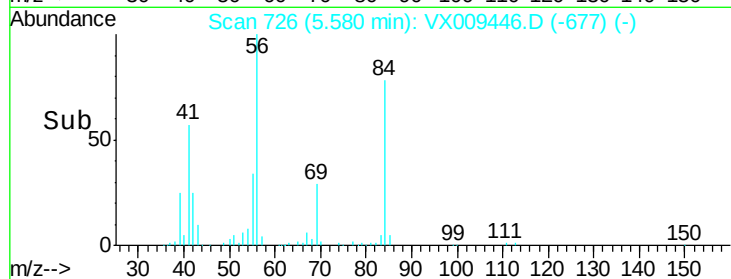
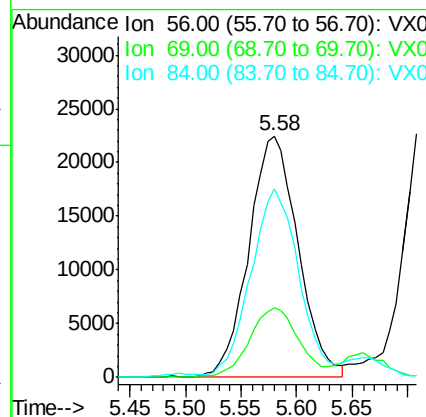
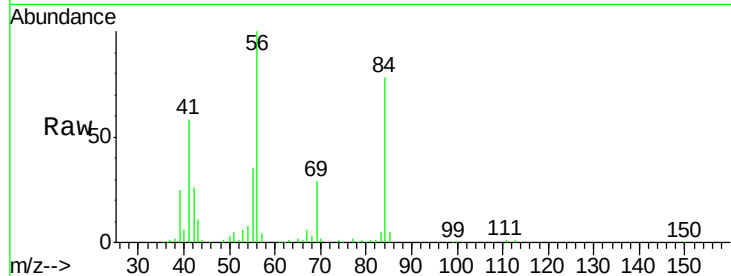
ClientSampleId :

VX0509WBS02

Tot Ion:	56	Resp:	69212
Ion	Ratio	Lower	Upper
56	100		
69	28.6	23.4	35.0
84	76.4	61.9	92.9

Manual Integrations
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5/10/2019 1:12:43 PM



#32

1,1,1-Trichloroethane

Concen: 20.545 ug/l

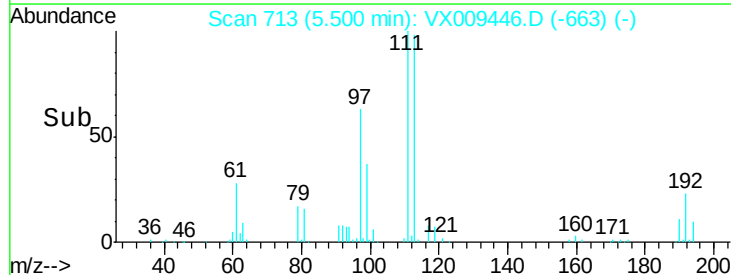
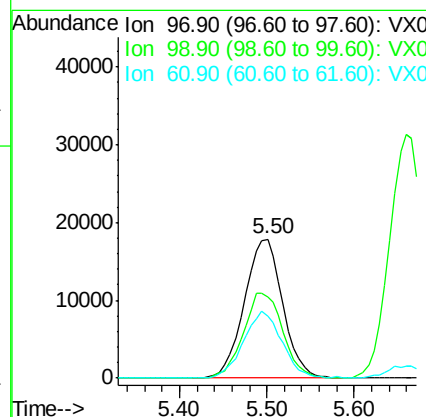
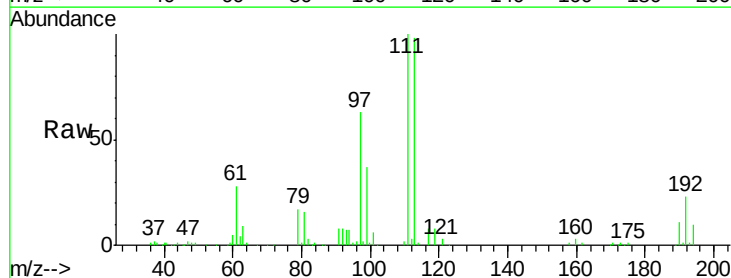
RT: 5.50 min Scan# 713

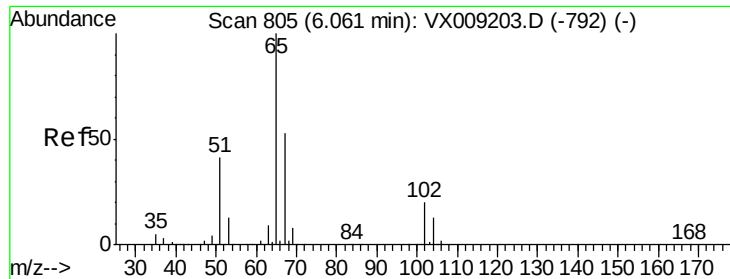
Delta R.T. 0.01 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Tgt Ion:	97	Resp:	54389
Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.8	77.8
61	48.1	37.8	56.8





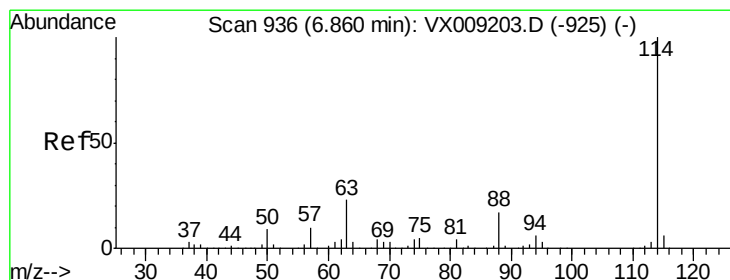
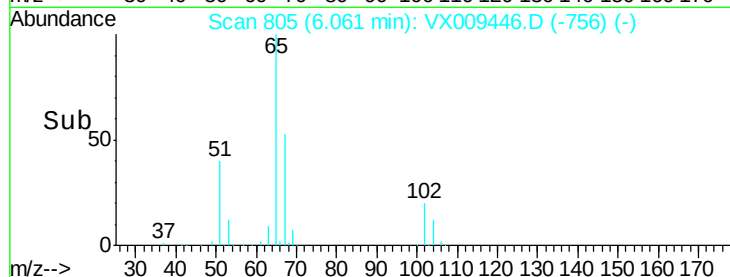
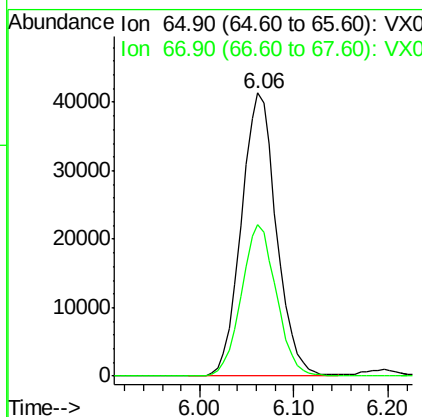
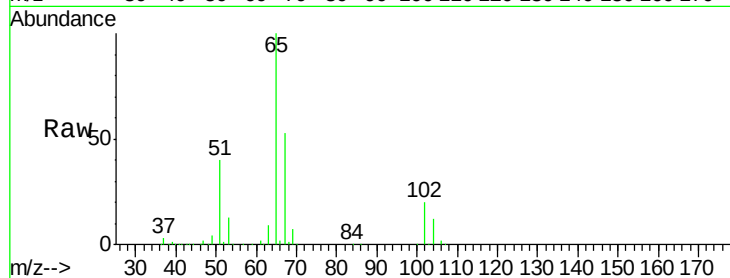
#33
 1,2-Dichloroethane-d4
 Concen: 48.817 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009446.D
 Acq: 09 May 2019 23:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.3	0.0	106.6	

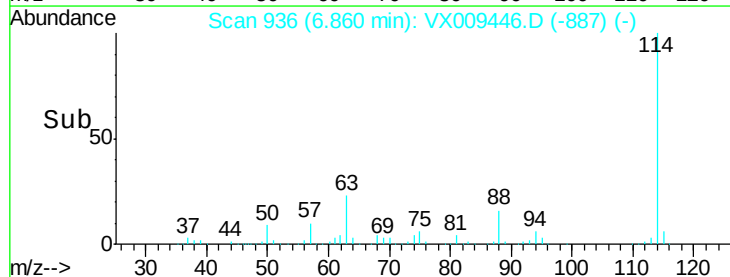
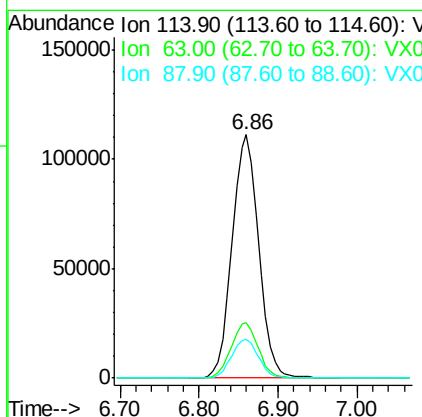
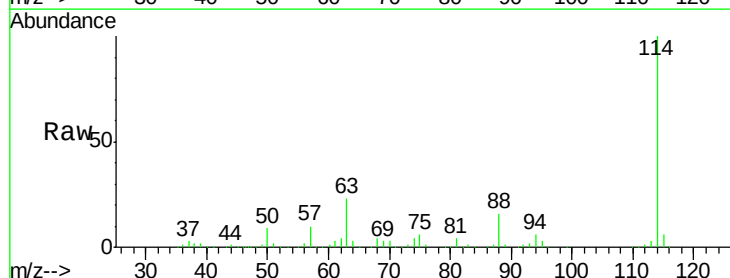
Manual Integrations
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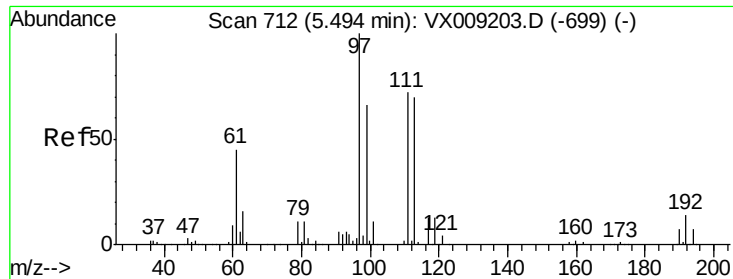
MMDadoda
 5/10/2019 1:12:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009446.D
 Acq: 09 May 2019 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.8	0.0	45.6	
88	15.9	0.0	33.2	





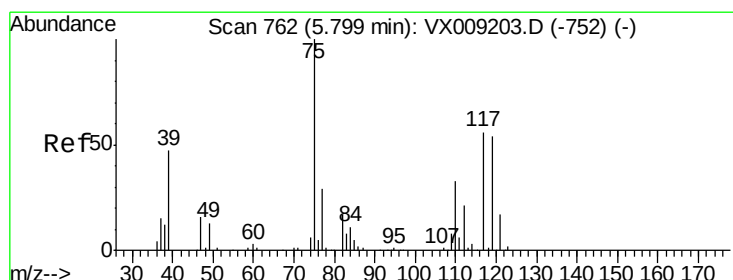
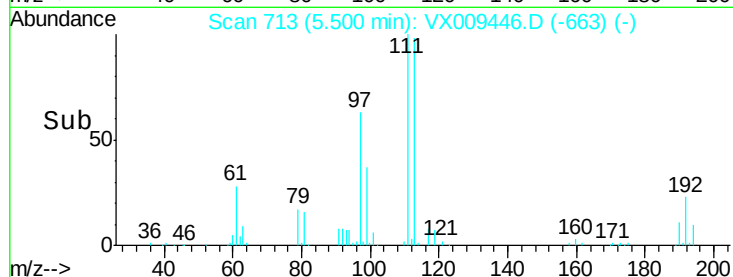
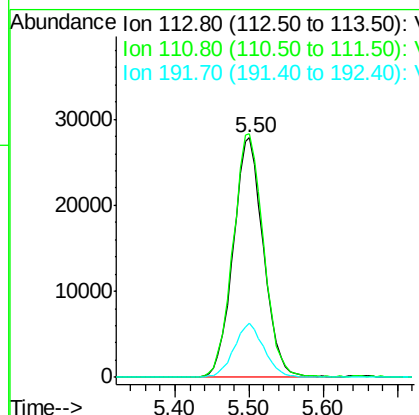
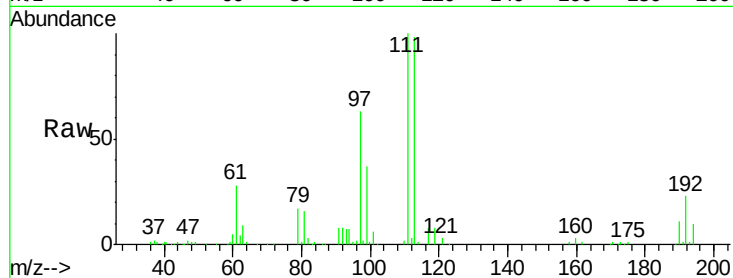
#35
 Dibromofluoromethane
 Concen: 48.118 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009446.D
 Acq: 09 May 2019 23:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	78988		
111	103.1	82.8	124.2	
192	22.1	17.0	25.6	

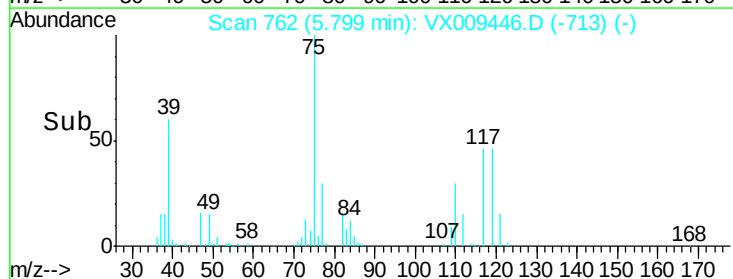
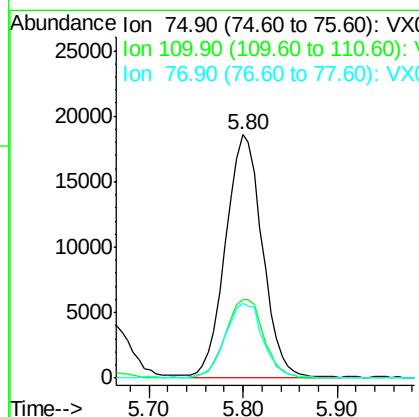
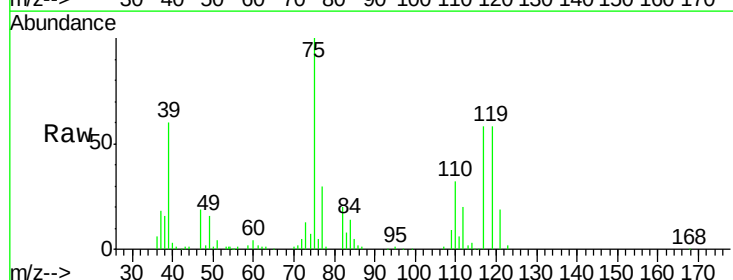
Manual Integrations
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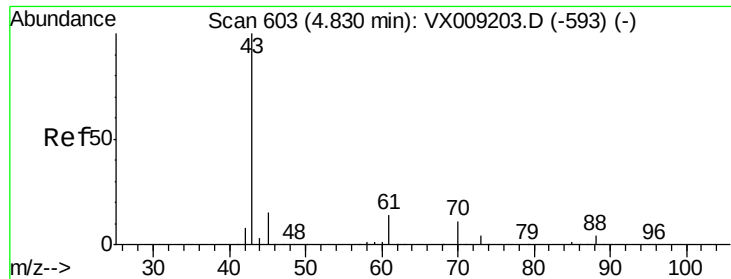
MMDadoda
 5/10/2019 1:12:43 PM



#36
 1,1-Dichloropropene
 Concen: 20.607 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX009446.D
 Acq: 09 May 2019 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	50006		
110	34.2	16.9	50.6	
77	32.3	24.8	37.2	





#37

Ethyl Acetate

Concen: 21.223 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Instrument :

MSVOA_X

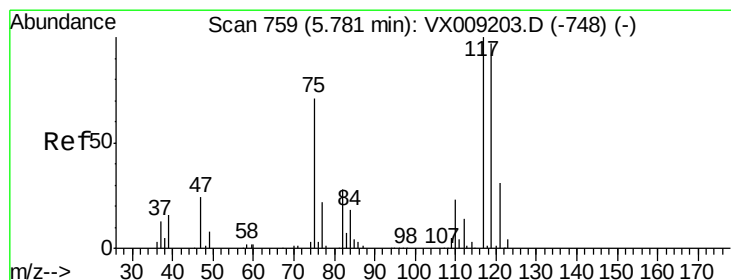
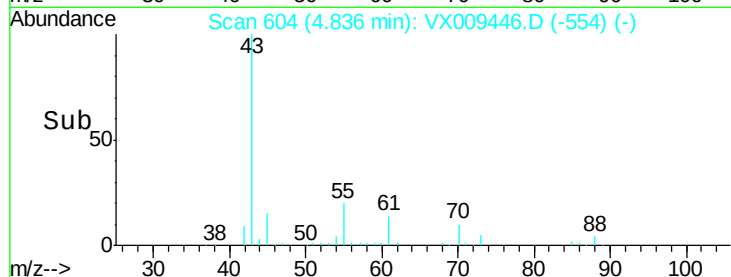
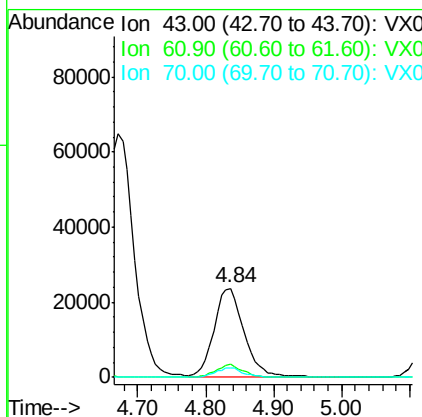
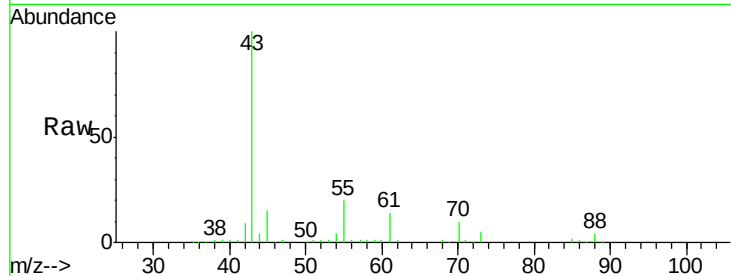
ClientSampleId :

VX0509WBS02

Tot Ion:	43	Resp:	71755
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.5	15.7
70	9.7	7.9	11.9

Manual Integrations
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MMDadoda
5/10/2019 1:12:43 PM



#38

Carbon Tetrachloride

Concen: 20.221 ug/l

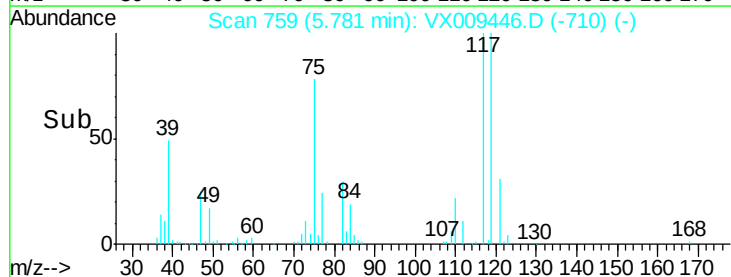
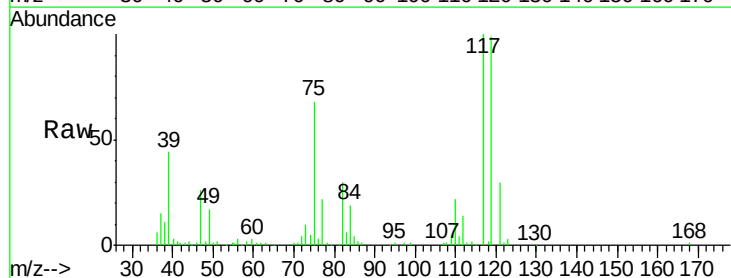
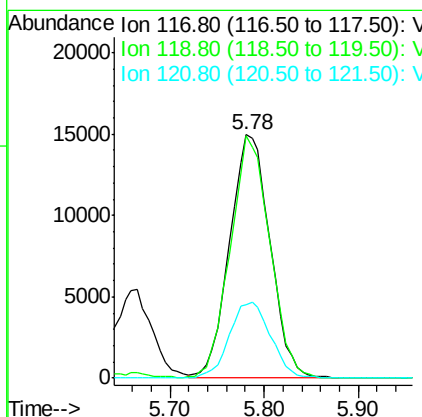
RT: 5.78 min Scan# 759

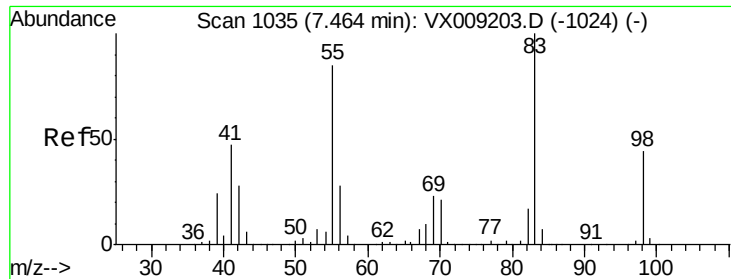
Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Tgt Ion:	117	Resp:	44584
Ion	Ratio	Lower	Upper
117	100		
119	99.5	77.5	116.3
121	30.1	24.7	37.1





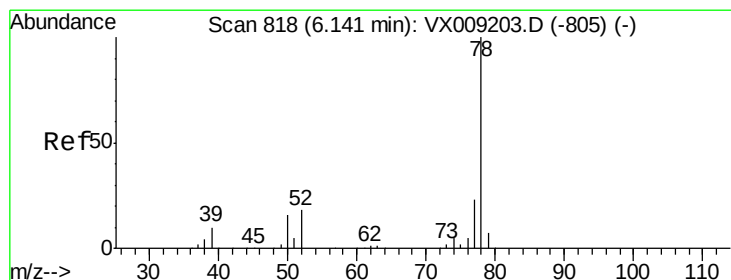
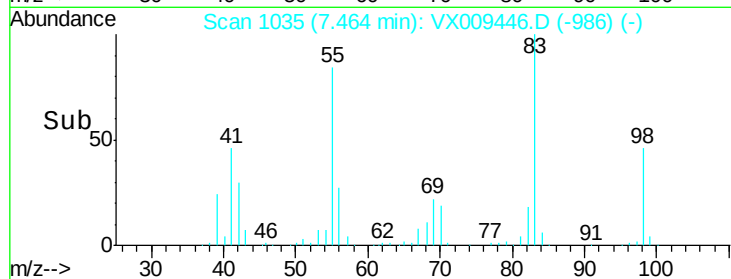
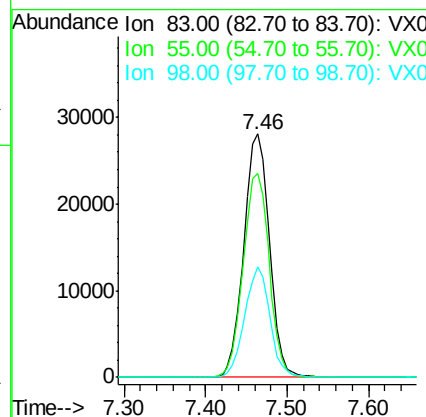
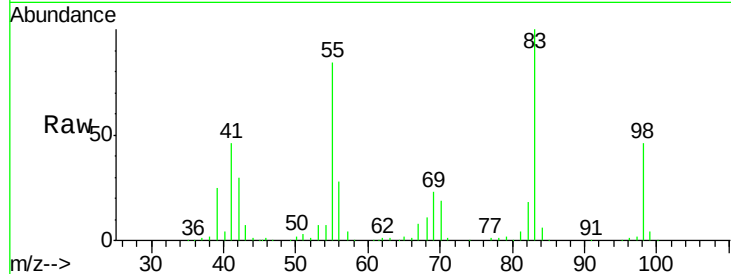
#39
Methylvclclohexane
Concen: 20.580 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009446.D
Acq: 09 May 2019 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS02

Tot Ion	83.00	Resp:	61331
Ion	Ratio	Lower	Upper
83	100		
55	83.5	67.7	101.5
98	45.5	35.5	53.3

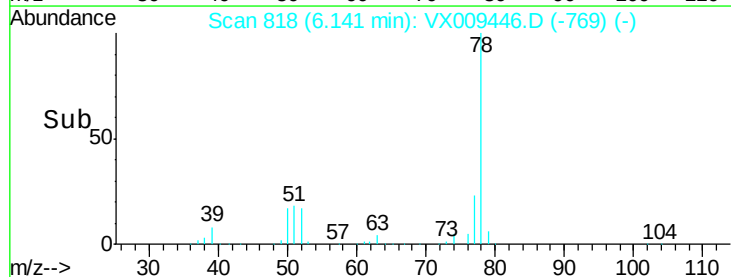
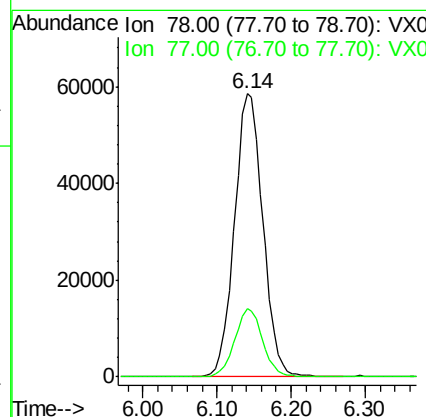
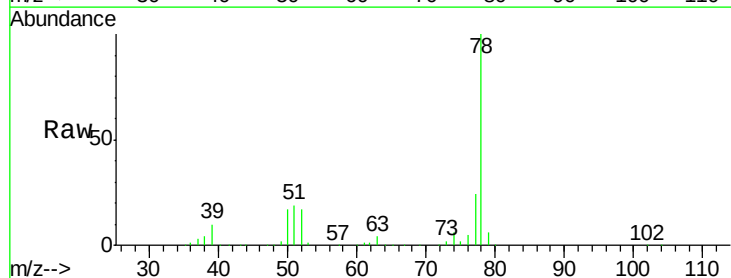
Manual Integrations
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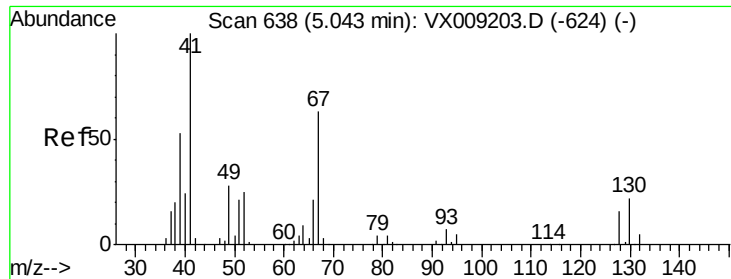
MMDadoda
5/10/2019 1:12:43 PM



#40
Benzene
Concen: 20.845 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009446.D
Acq: 09 May 2019 23:11

Tgt Ion	78.00	Resp:	156546
Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2





#41

Methacrylonitrile

Concen: 19.797 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Instrument :

MSVOA_X

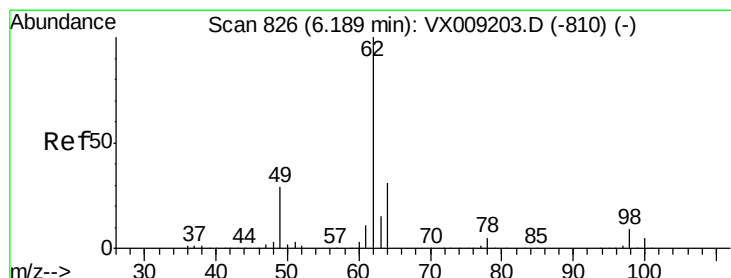
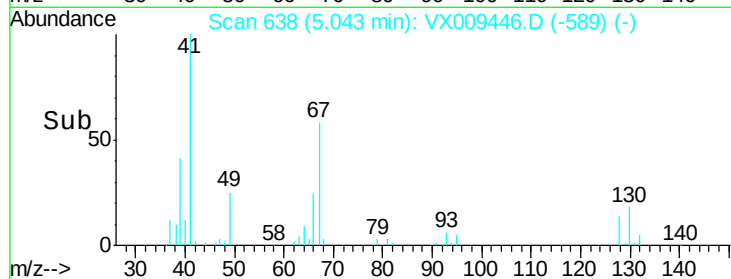
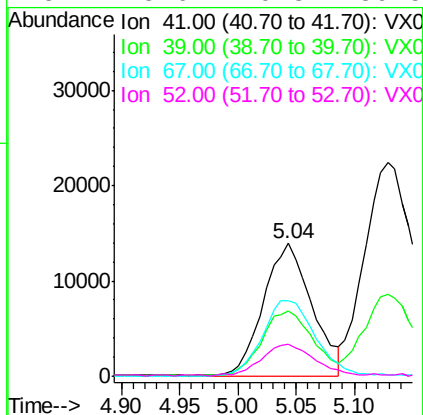
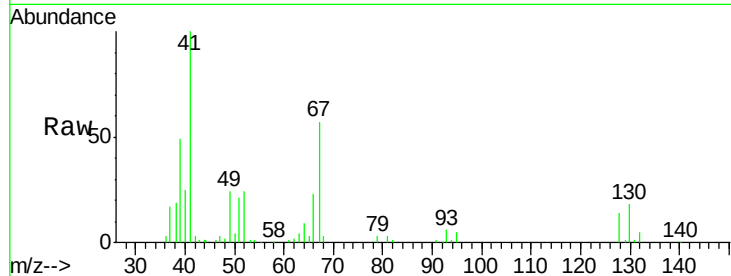
ClientSampleId :

VX0509WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.2	42.0	63.0	
67	63.3	49.8	74.8	
52	25.6	20.3	30.5	

Manual Integrations
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5/10/2019 1:12:43 PM



#42

1,2-Dichloroethane

Concen: 21.185 ug/l

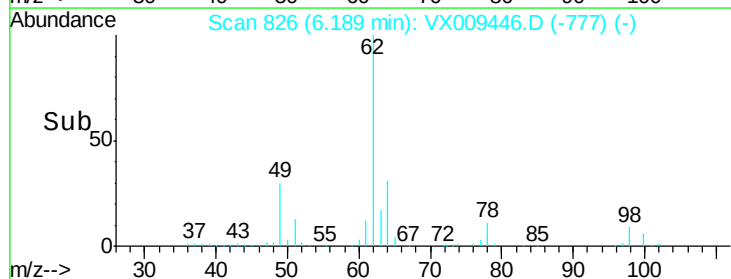
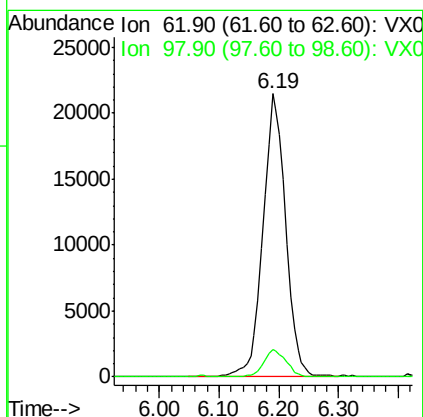
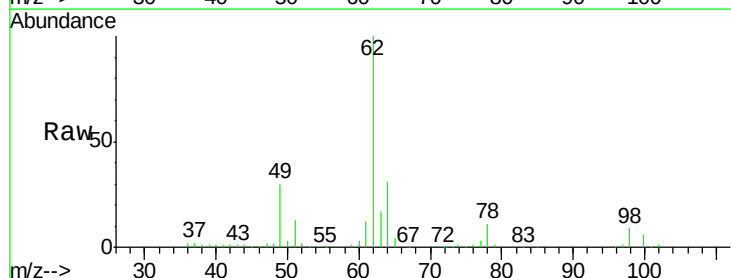
RT: 6.19 min Scan# 826

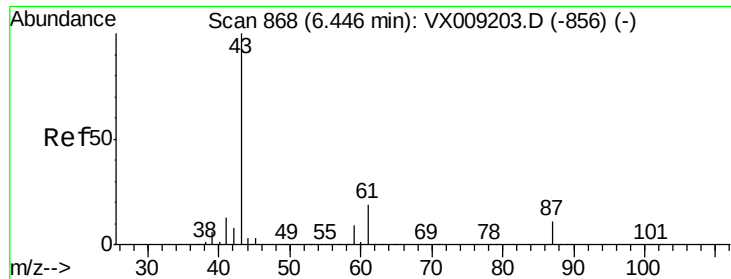
Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	18.2	





#43

Isopropyl Acetate

Concen: 20.467 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Instrument :

MSVOA_X

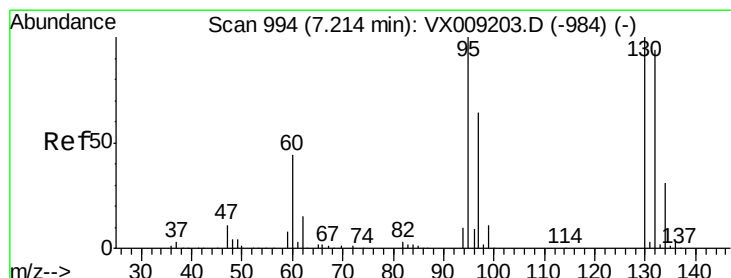
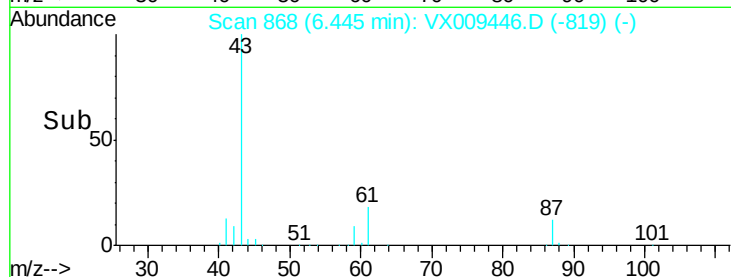
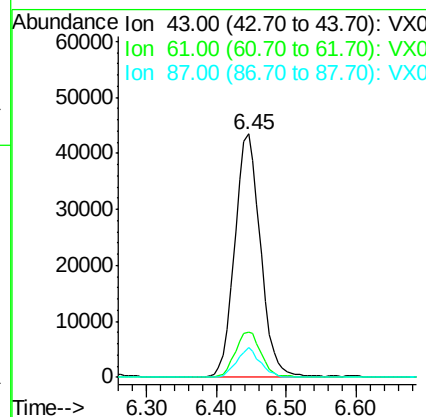
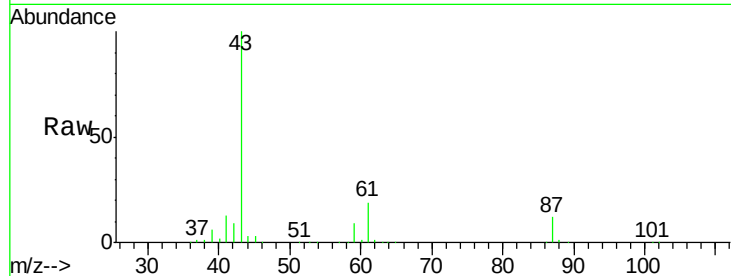
ClientSampleId :

VX0509WBS02

Tot Ion:	43	Resp:	110687
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.1	22.7
87	11.3	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 20.529 ug/l

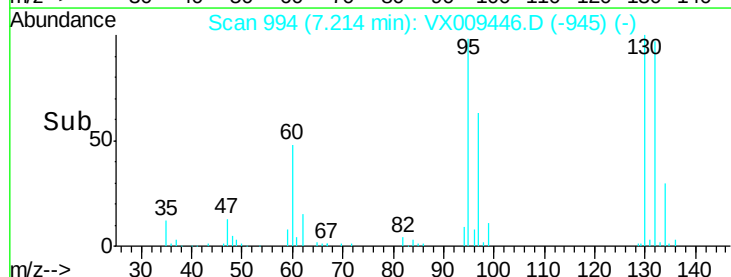
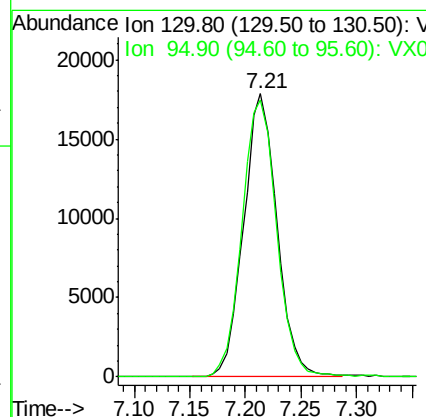
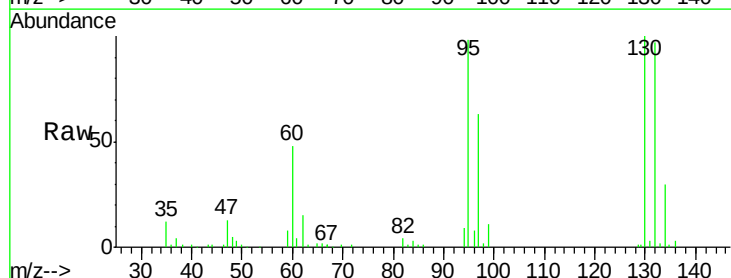
RT: 7.21 min Scan# 994

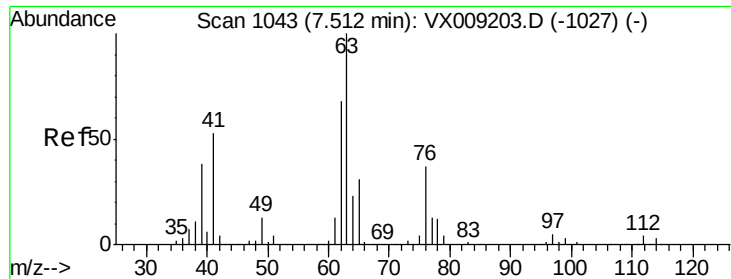
Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Tgt Ion:	130	Resp:	37273
Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	199.2





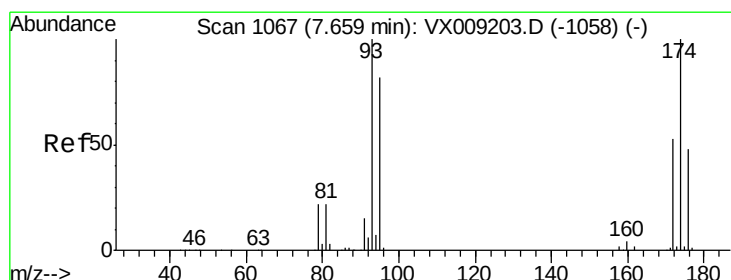
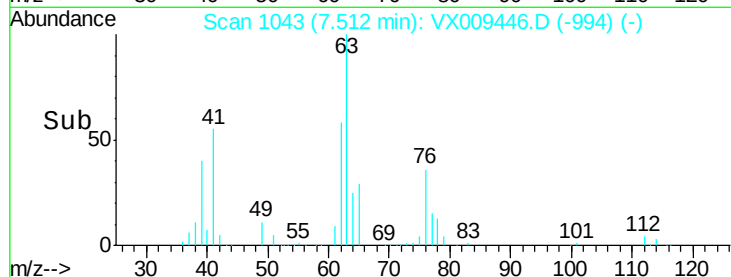
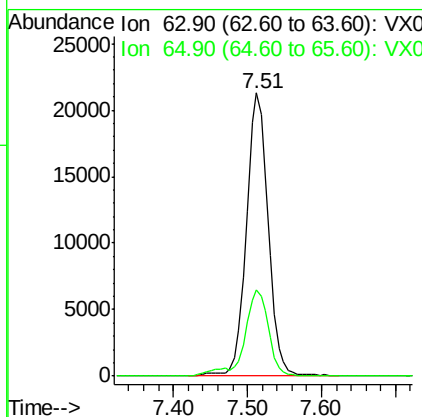
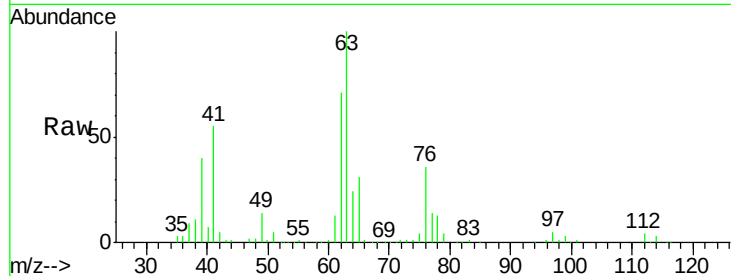
#45
 1,2-Dichloropropane
 Concen: 20.690 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009446.D
 Acq: 09 May 2019 23:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS02

Tot Ion: 63 Resp: 43999
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.0 37.6

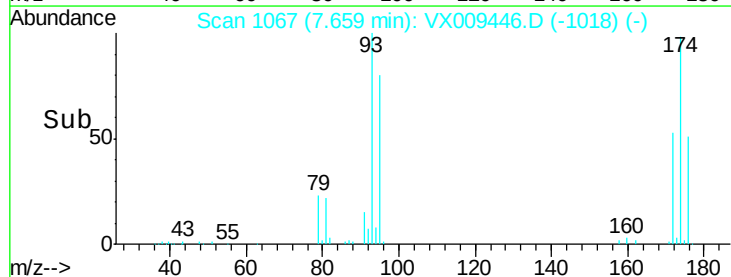
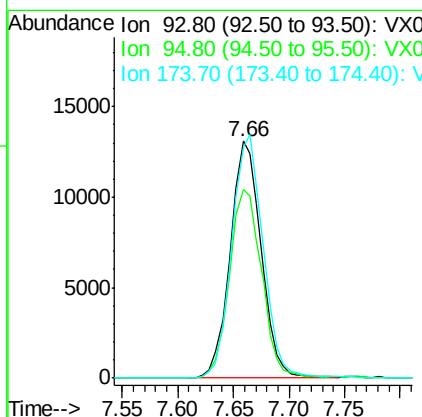
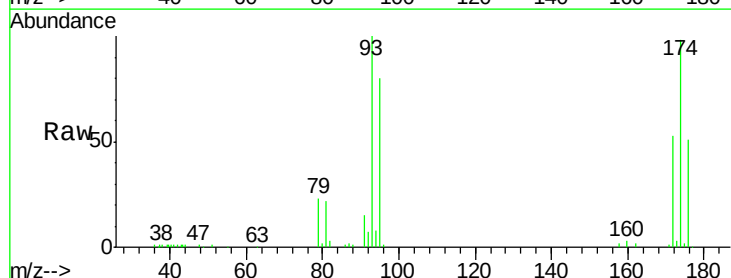
Manual Integrations
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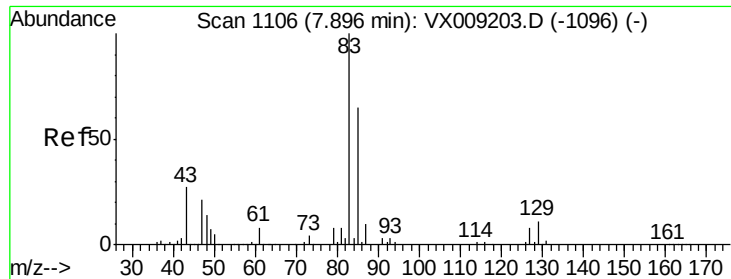
MMDadoda
 5/10/2019 1:12:43 PM



#46
 Dibromomethane
 Concen: 20.471 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009446.D
 Acq: 09 May 2019 23:11

Tgt Ion: 93 Resp: 25280
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.5 99.7
 174 103.4 82.1 123.1





#47

Bromodichloromethane

Concen: 20.203 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Instrument :

MSVOA_X

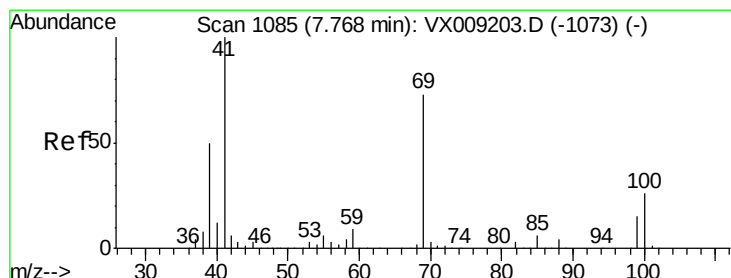
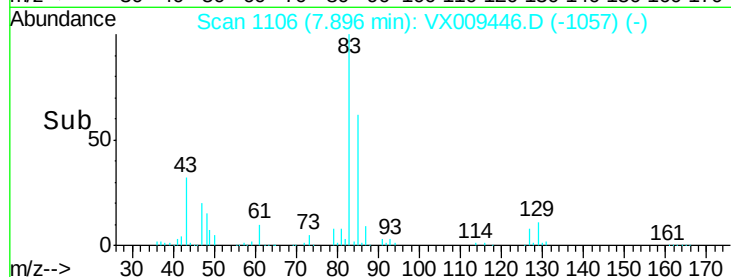
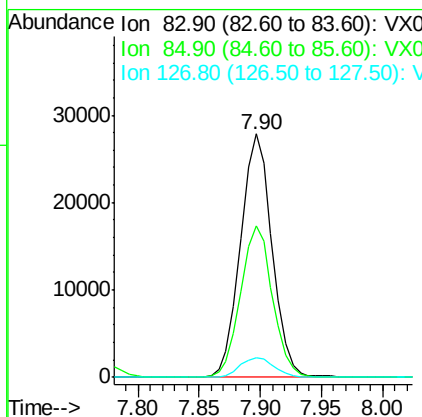
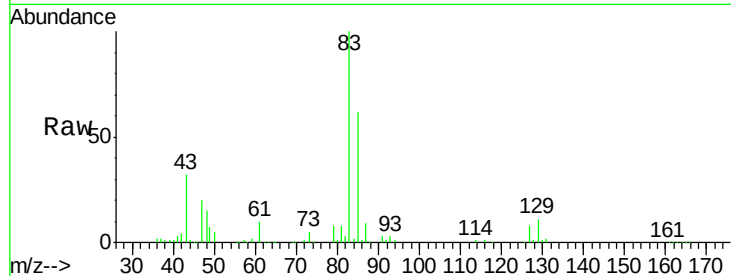
ClientSampleId :

VX0509WBS02

Tot Ion:	83	Resp:	49766
Ion	Ratio	Lower	Upper
83	100		
85	62.3	52.4	78.6
127	7.9	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.536 ug/l

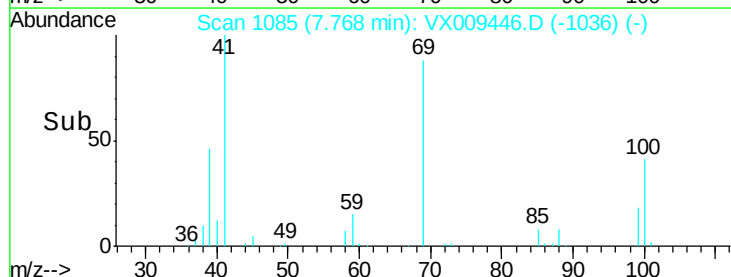
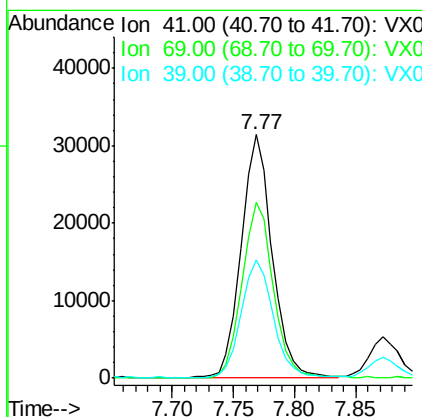
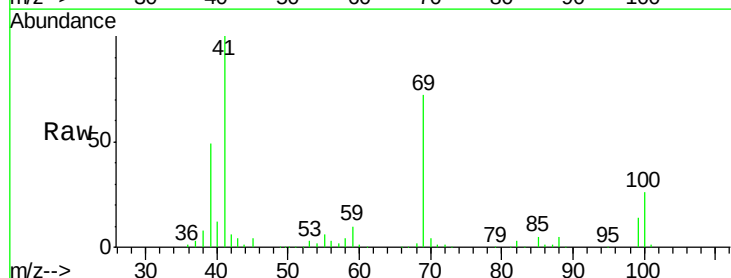
RT: 7.77 min Scan# 1085

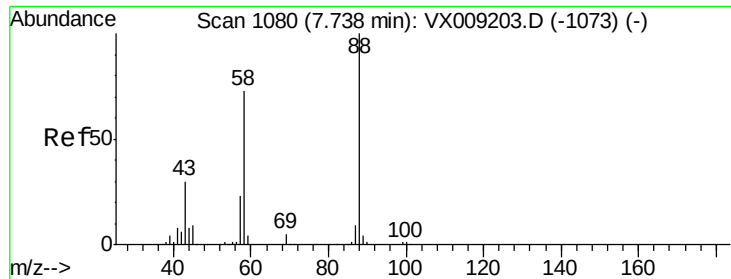
Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Tgt Ion:	41	Resp:	55101
Ion	Ratio	Lower	Upper
41	100		
69	73.6	59.1	88.7
39	49.9	40.4	60.6





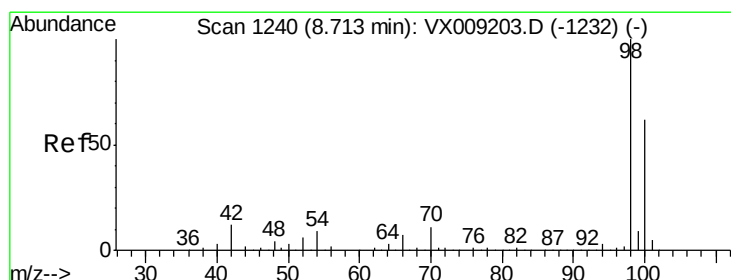
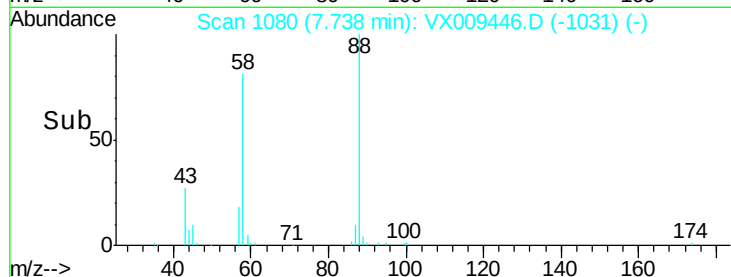
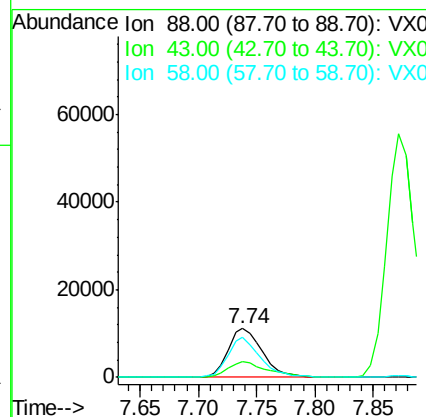
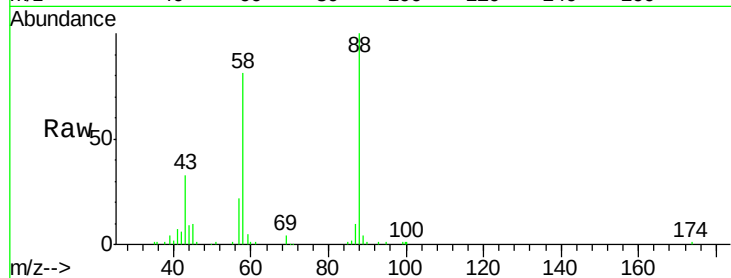
#49
1,4-Dioxane
Concen: 419.471 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009446.D
Acq: 09 May 2019 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.4	28.6	42.8
58	79.0	61.7	92.5

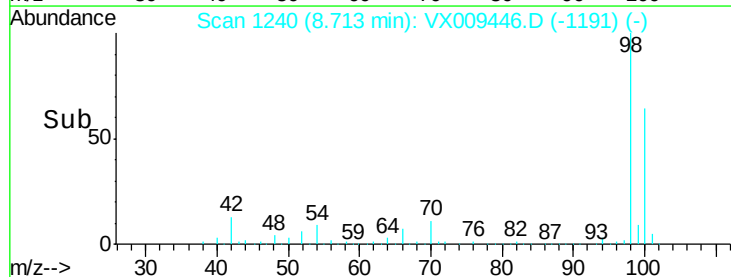
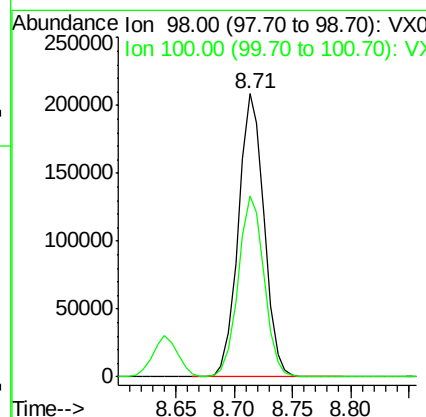
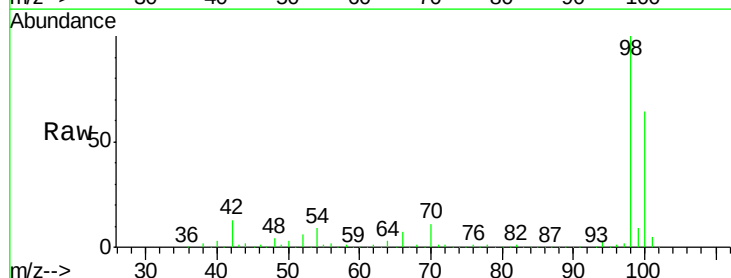
Manual Integrations
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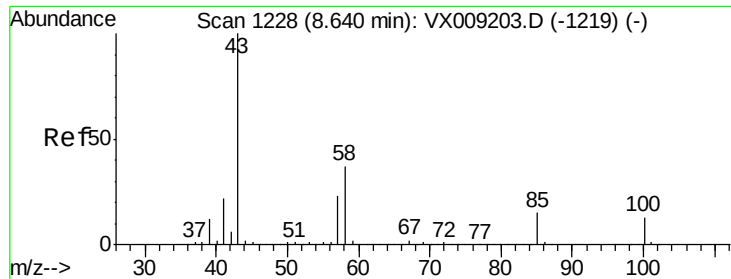
MMDadoda
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#50
Toluene-d8
Concen: 48.380 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009446.D
Acq: 09 May 2019 23:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 103.749 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS02

Tot Ion: 43 Resp: 366745

Ion Ratio Lower Upper

43 100

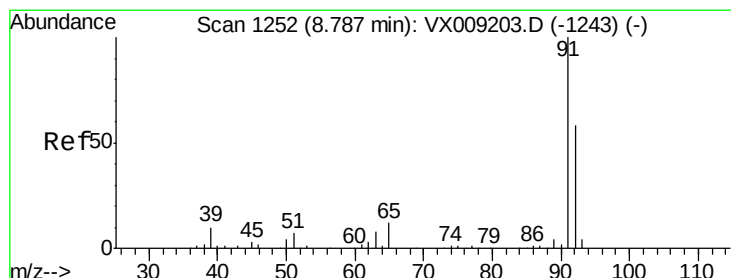
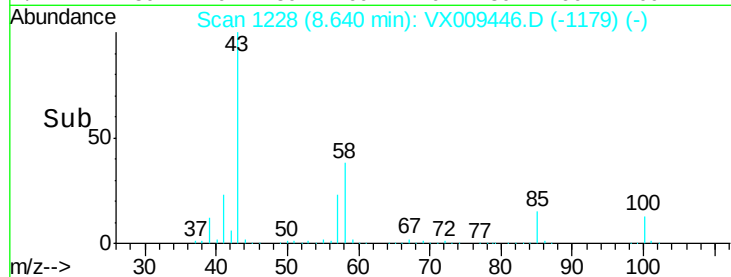
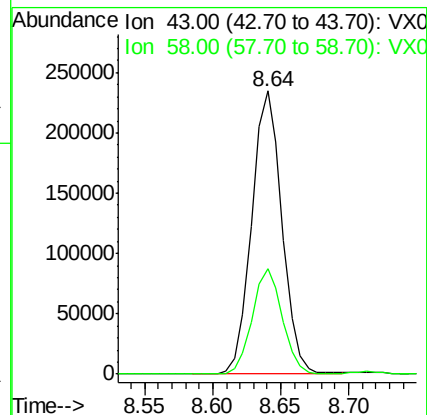
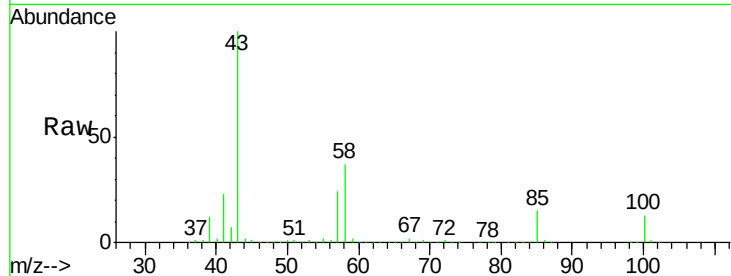
58 36.9 29.5 44.3

Manual Integrations

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#52

Toluene

Concen: 21.358 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009446.D

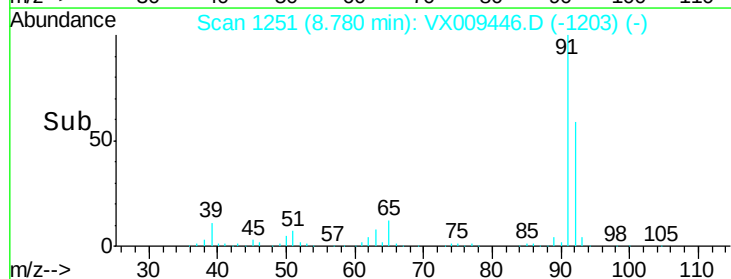
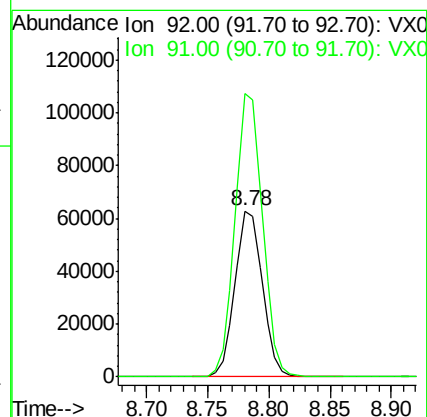
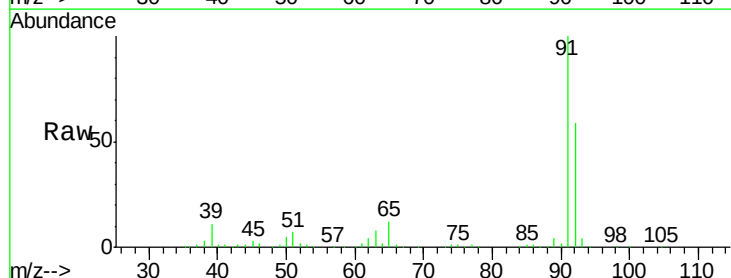
Acq: 09 May 2019 23:11

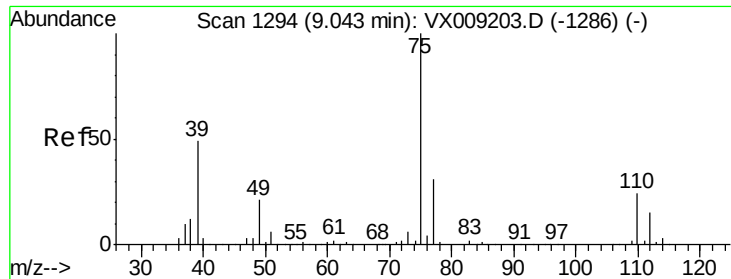
Tgt Ion: 92 Resp: 97503

Ion Ratio Lower Upper

92 100

91 171.1 138.8 208.2





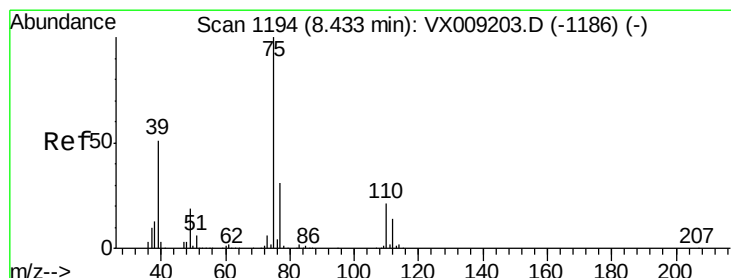
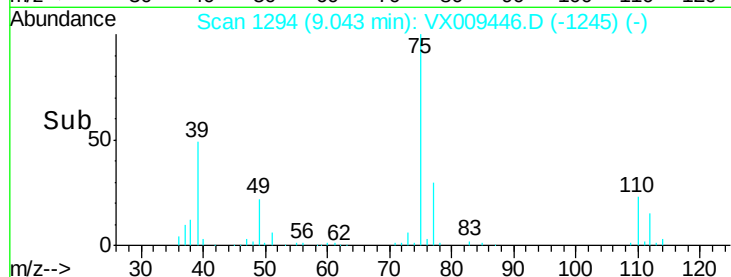
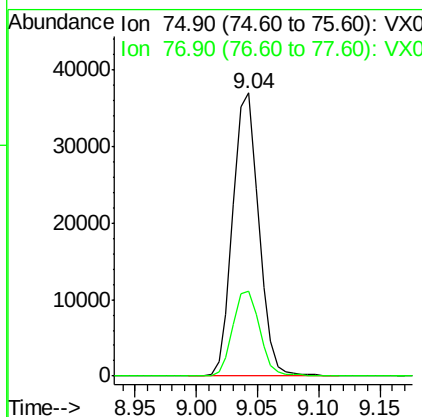
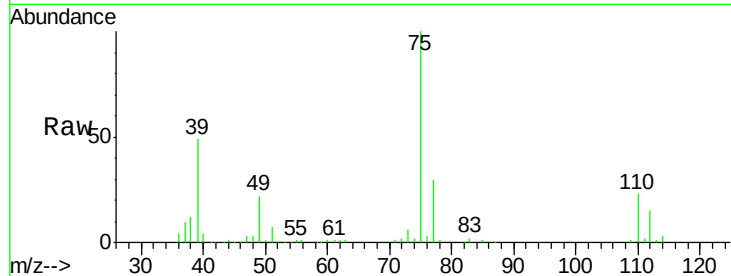
#53
t-1,3-Dichloropropene
Concen: 19.567 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX009446.D
Acq: 09 May 2019 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS02

Tot Ion: 75 Resp: 54419
Ion Ratio Lower Upper
75 100
77 30.2 25.0 37.6

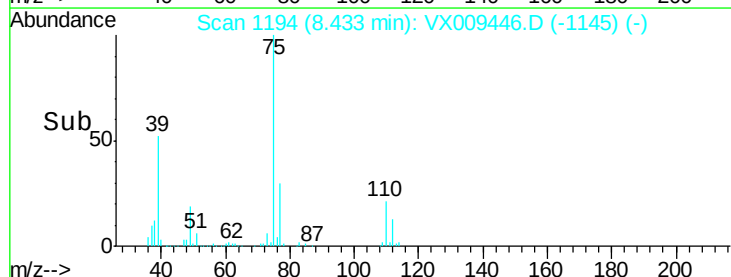
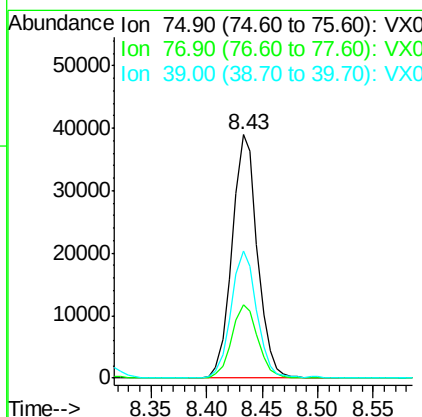
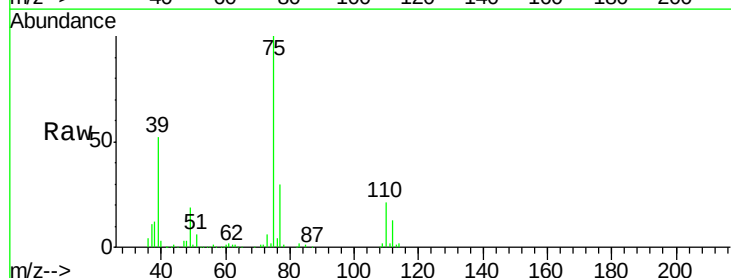
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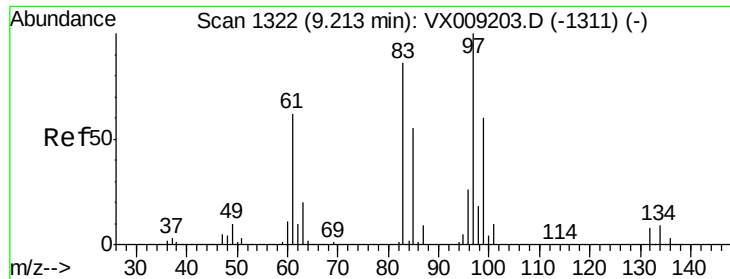
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.020 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009446.D
Acq: 09 May 2019 23:11

Tgt Ion: 75 Resp: 61626
Ion Ratio Lower Upper
75 100
77 30.2 24.6 36.8
39 52.2 40.6 60.8





#55

1,1,2-Trichloroethane

Concen: 20.871 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Instrument :

MSVOA_X

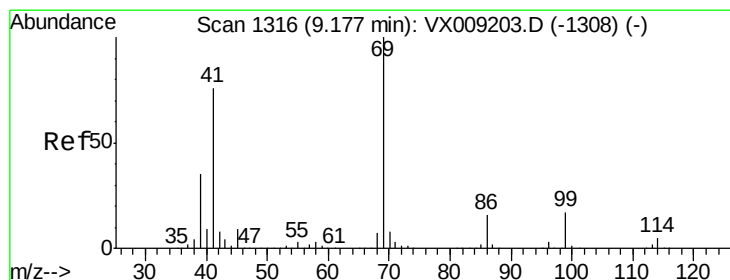
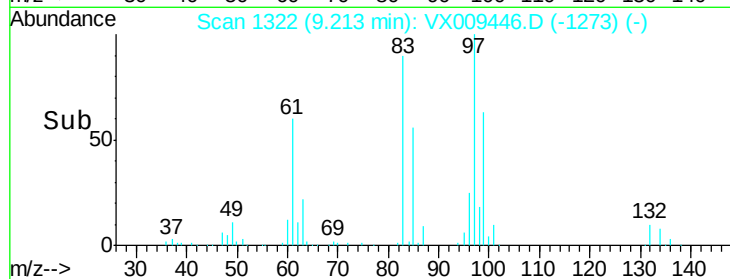
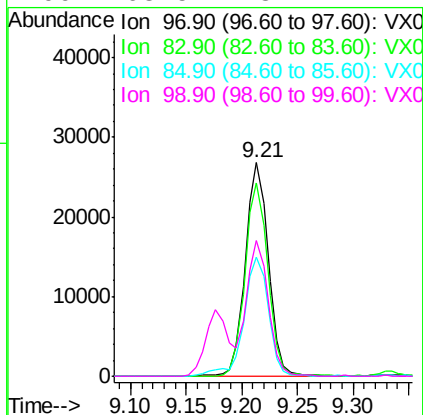
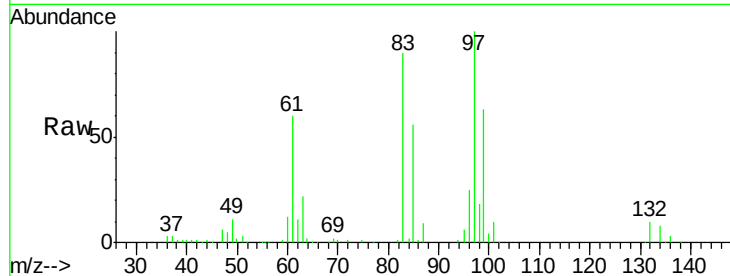
ClientSampleId :

VX0509WBS02

Tot Ion:	97	Resp:	38871
Ion	Ratio	Lower	Upper
97	100		
83	90.2	68.9	103.3
85	55.8	43.8	65.6
99	63.5	48.2	72.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.562 ug/l

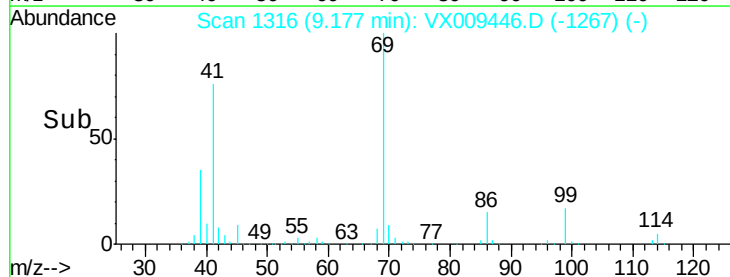
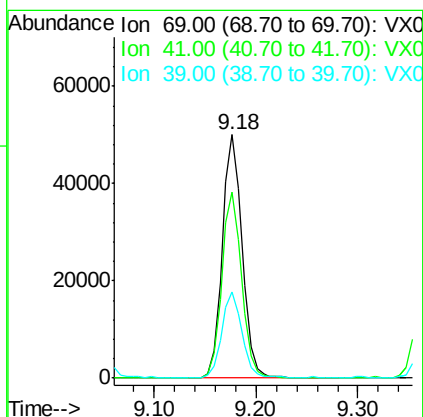
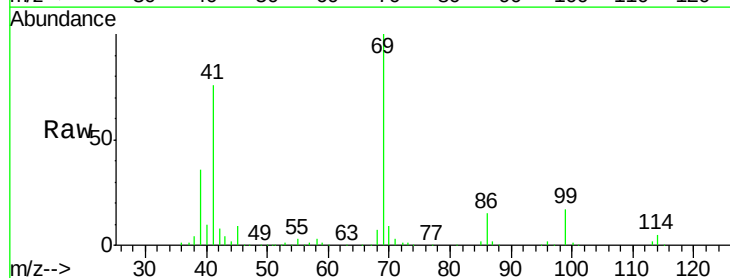
RT: 9.18 min Scan# 1316

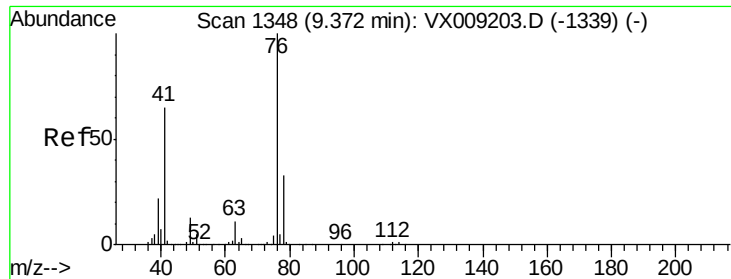
Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Tgt Ion:	69	Resp:	68360
Ion	Ratio	Lower	Upper
69	100		
41	75.7	60.6	90.8
39	35.3	28.2	42.4





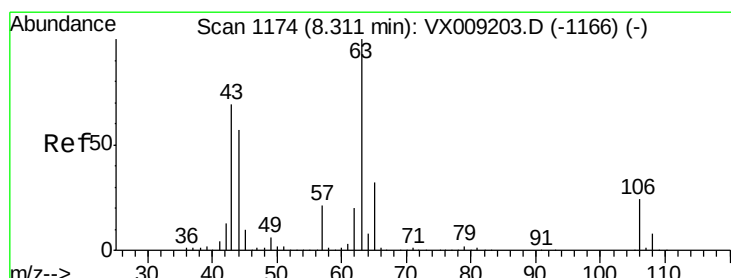
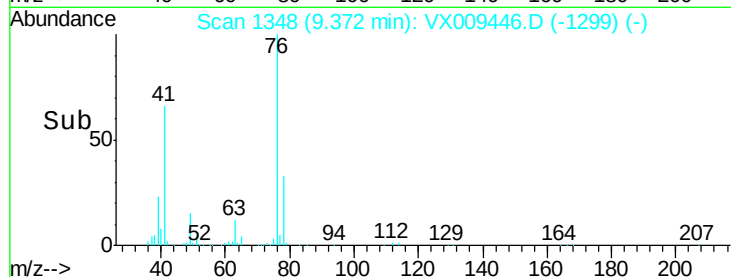
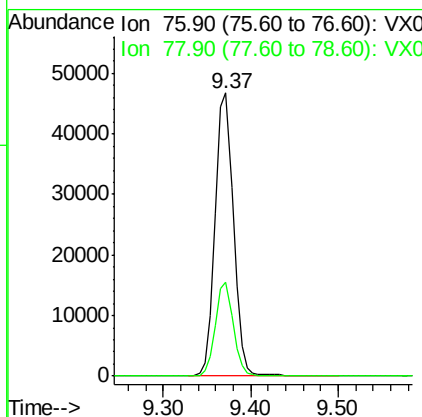
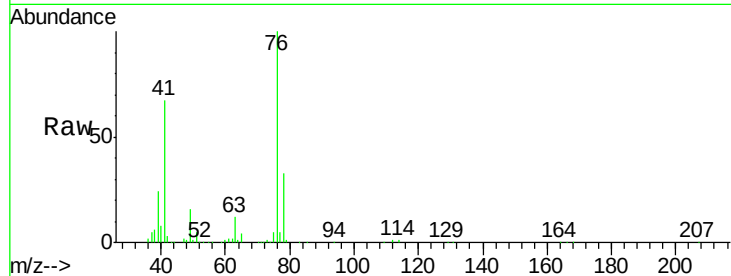
#57
 1,3-Dichloropropane
 Concen: 20.750 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX009446.D
 Acq: 09 May 2019 23:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS02

Tot Ion: 76 Resp: 68007
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.5 38.3

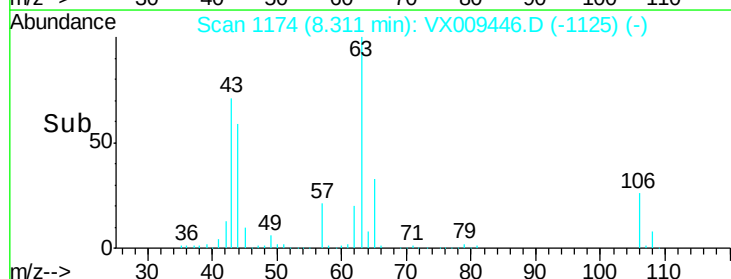
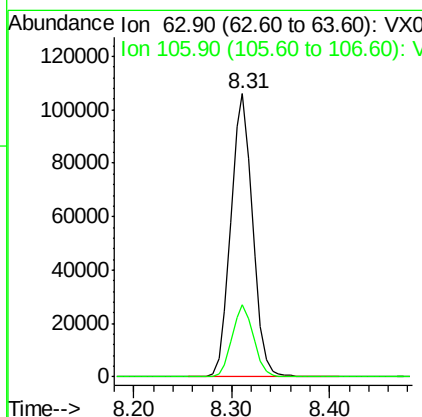
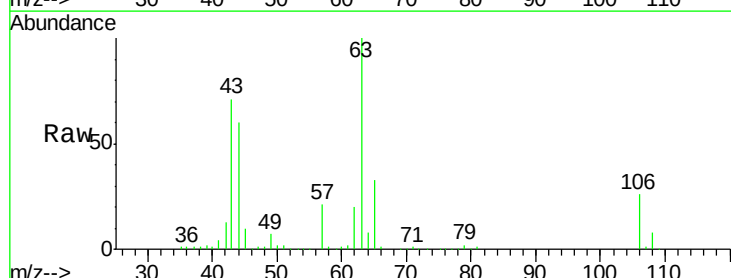
Manual Integrations
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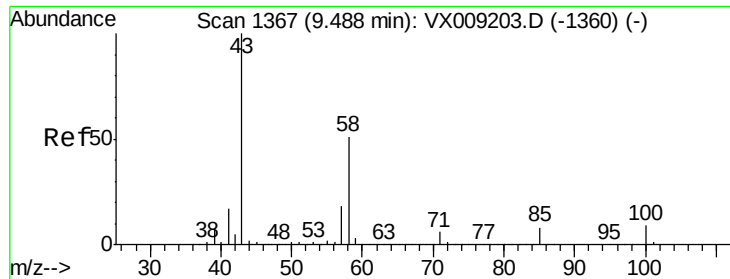
MMDadoda
 5/10/2019 1:12:43 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.253 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009446.D
 Acq: 09 May 2019 23:11

Tgt Ion: 63 Resp: 164470
 Ion Ratio Lower Upper
 63 100
 106 25.1 19.7 29.5





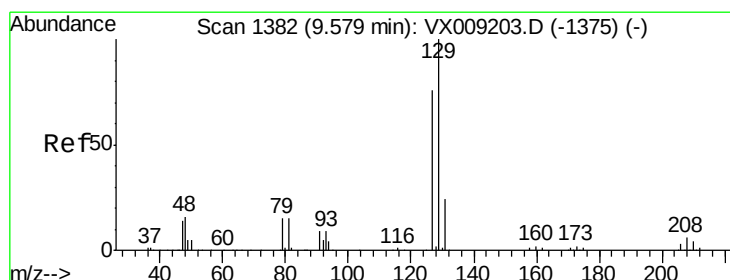
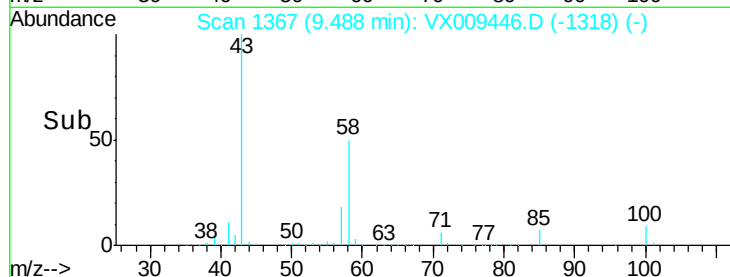
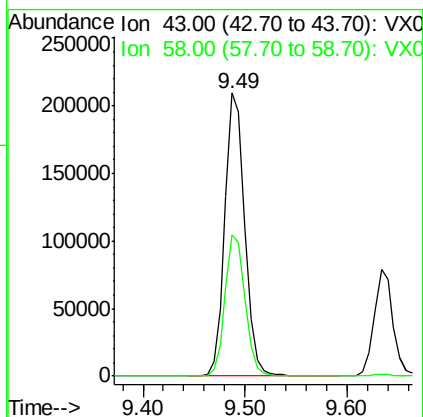
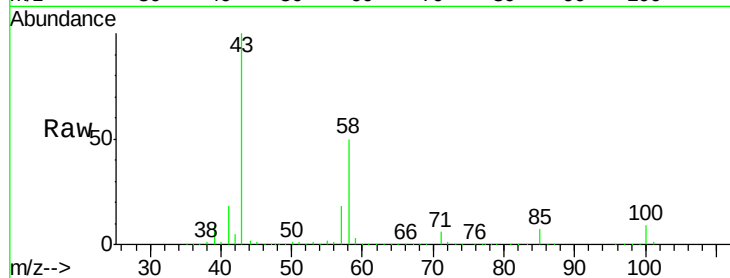
#59
2-Hexanone
Concen: 102.227 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009446.D
Acq: 09 May 2019 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS02

Tot Ion: 43 Resp: 283810
Ion Ratio Lower Upper
43 100
58 50.6 25.9 77.7

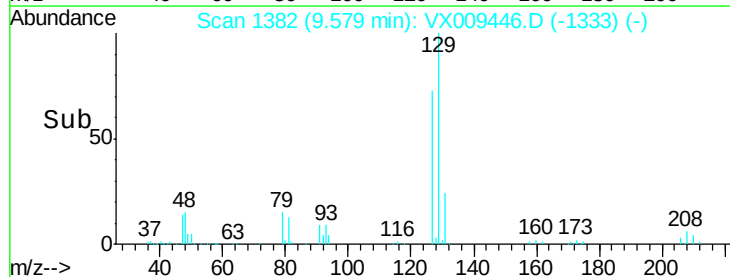
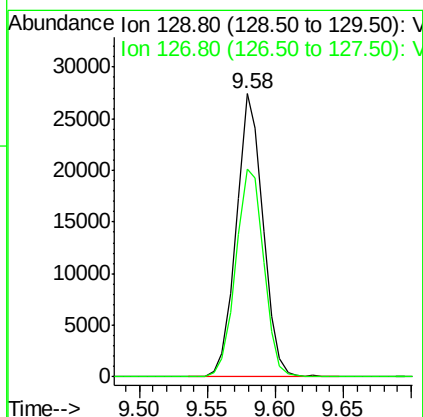
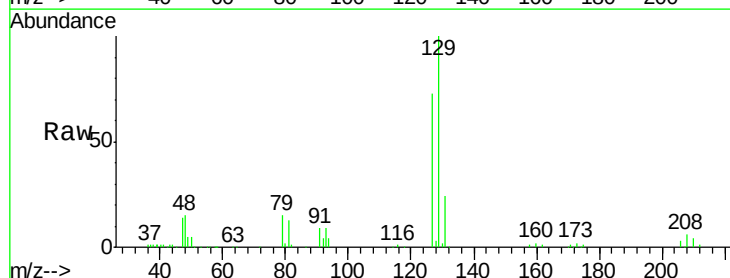
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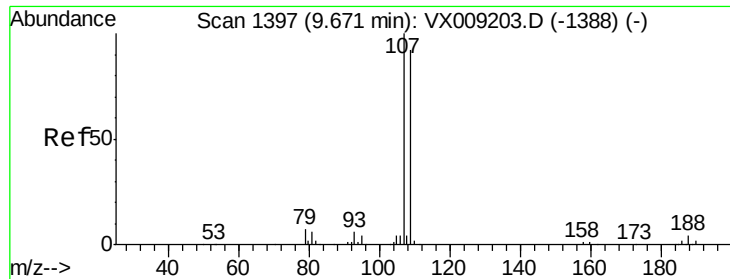
MMDadoda
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#60
Dibromochloromethane
Concen: 20.593 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009446.D
Acq: 09 May 2019 23:11

Tgt Ion: 129 Resp: 37459
Ion Ratio Lower Upper
129 100
127 77.1 38.4 115.1





#61

1,2-Dibromoethane

Concen: 21.007 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS02

Tot Ion:107 Resp: 39494

Ion Ratio Lower Upper

107 100

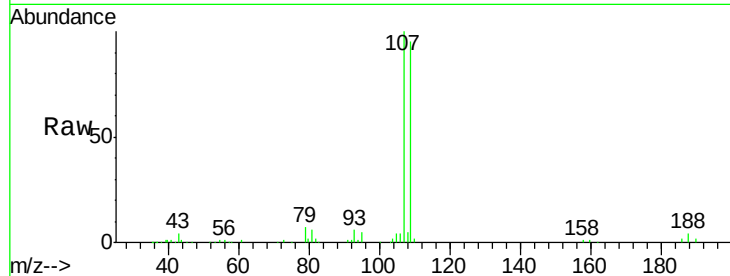
109 93.7 75.2 112.8

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

30000

25000

20000

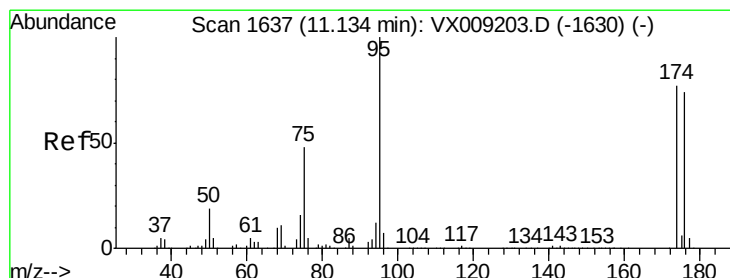
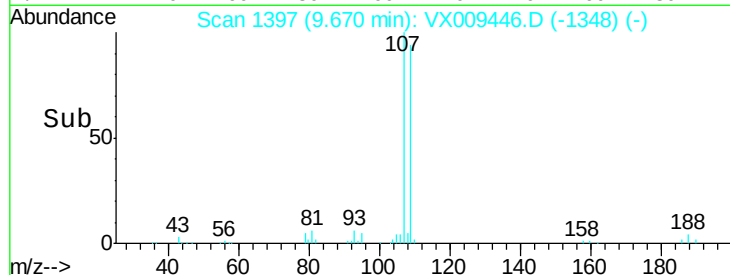
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.144 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

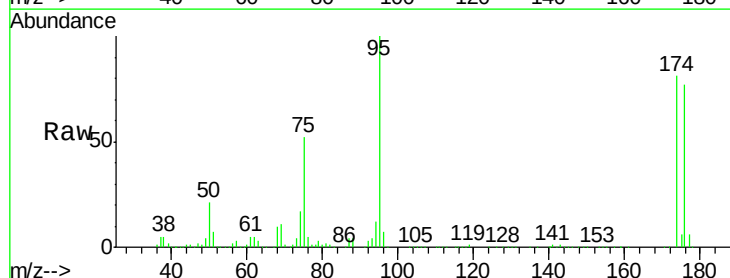
Tgt Ion: 95 Resp: 115935

Ion Ratio Lower Upper

95 100

174 82.8 0.0 161.6

176 80.2 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

120000

100000

80000

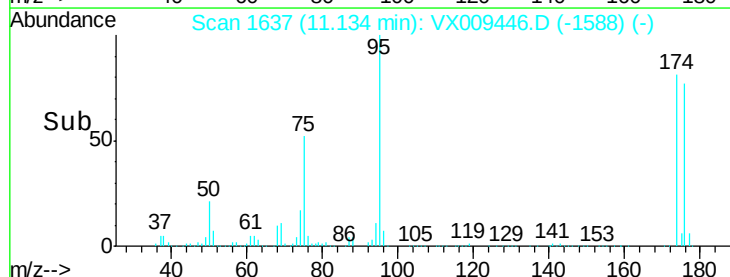
60000

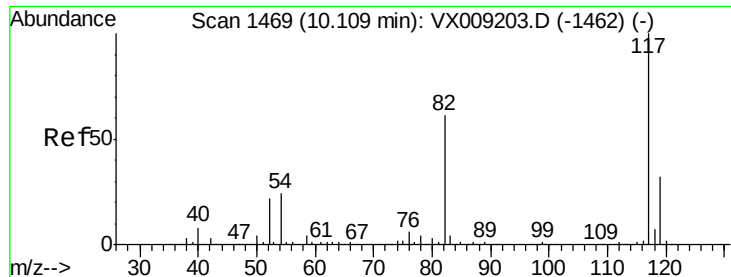
40000

20000

0

Time-->





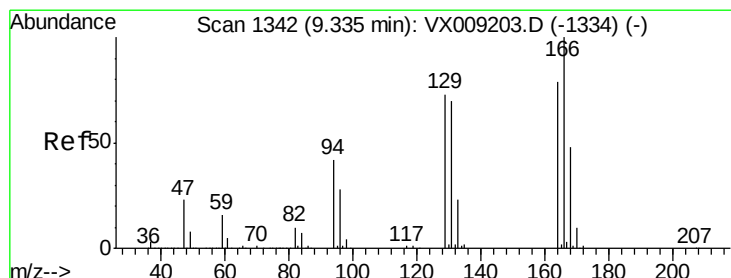
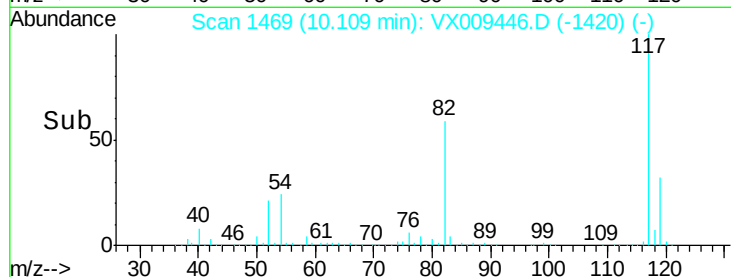
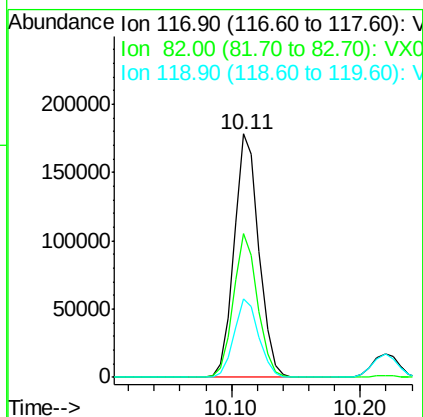
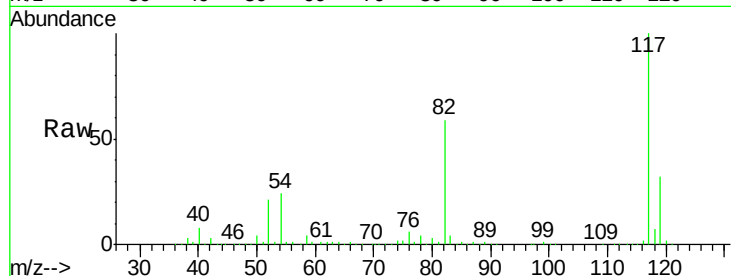
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009446.D
Acq: 09 May 2019 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	237537		
82	59.1	48.8	73.2	
119	32.3	25.8	38.6	

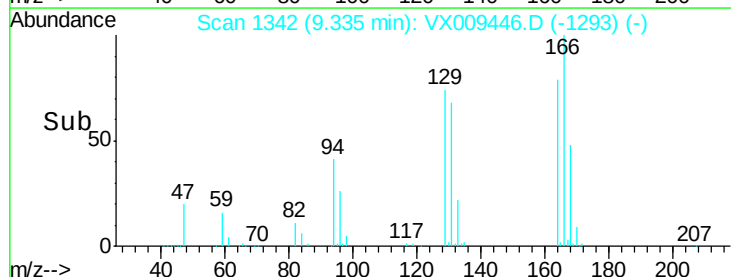
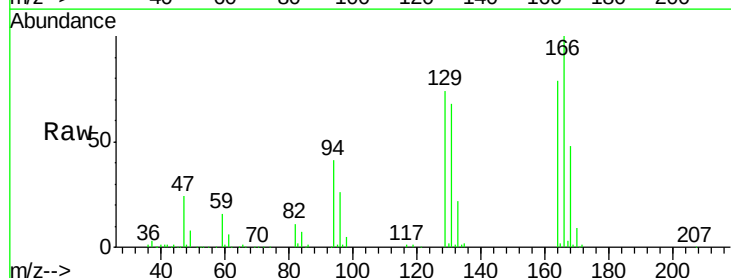
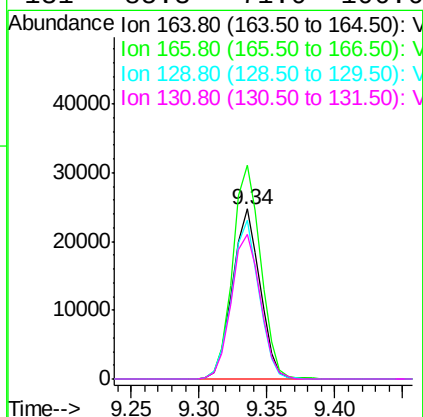
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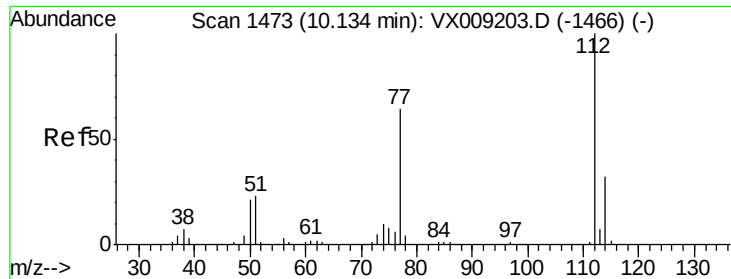
MMDadoda
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#64
Tetrachloroethene
Concen: 21.483 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009446.D
Acq: 09 May 2019 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	35004		
166	125.9	101.2	151.8	
129	93.8	74.3	111.5	
131	85.3	71.0	106.6	





#65

Chlorobenzene

Concen: 20.724 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS02

Tot Ion:112 Resp: 98475

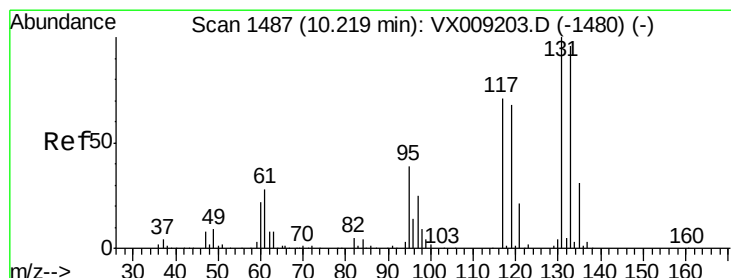
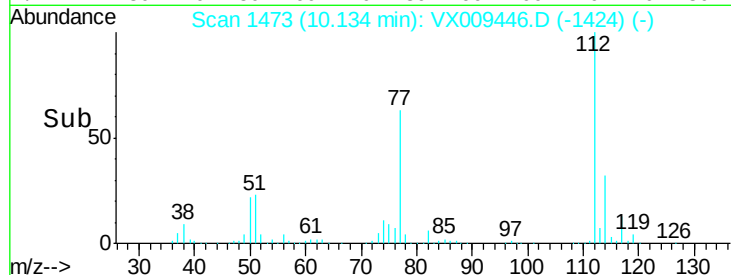
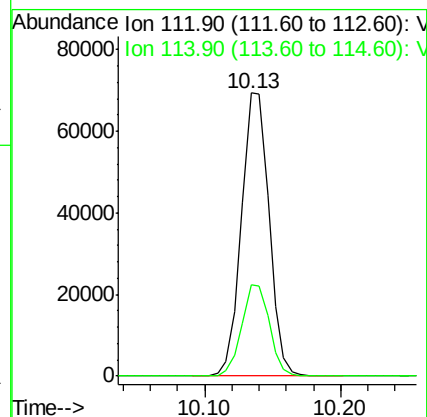
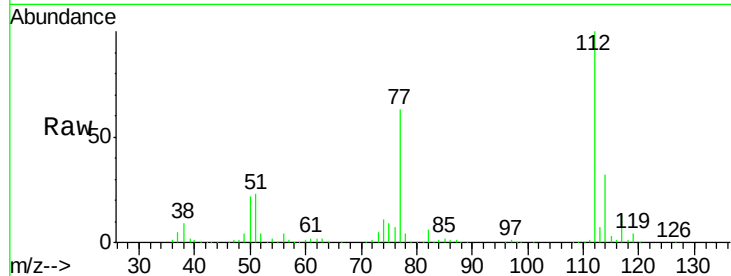
Ion Ratio Lower Upper

112 100

114 32.2 25.5 38.3

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.625 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

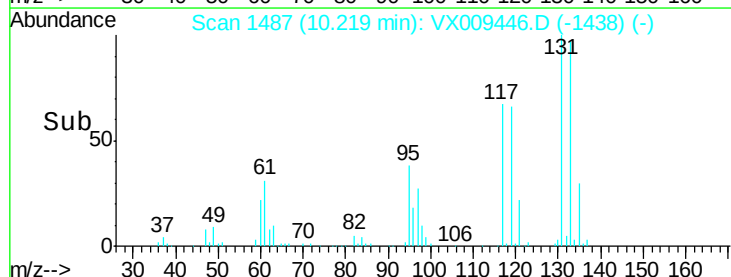
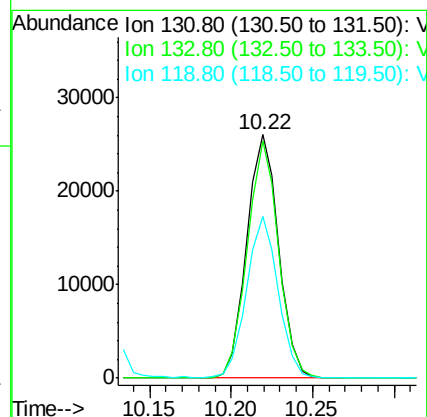
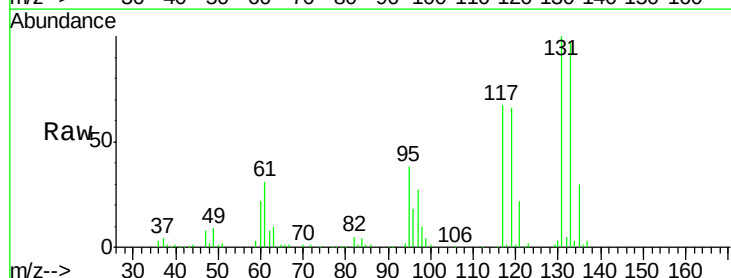
Tgt Ion:131 Resp: 35532

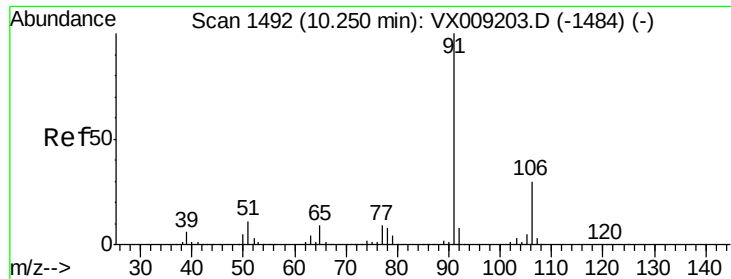
Ion Ratio Lower Upper

131 100

133 95.4 47.7 143.1

119 65.8 33.5 100.4





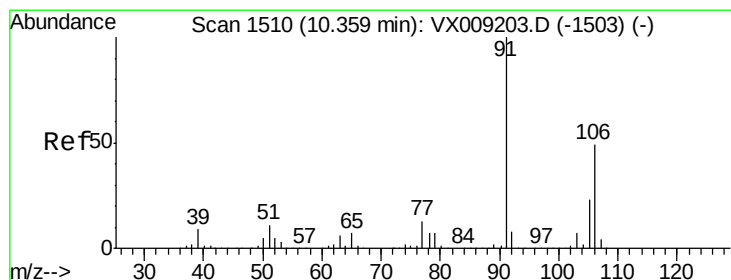
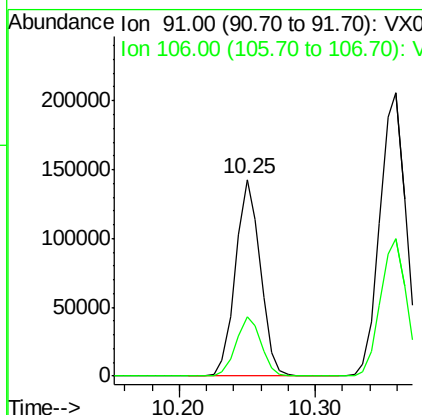
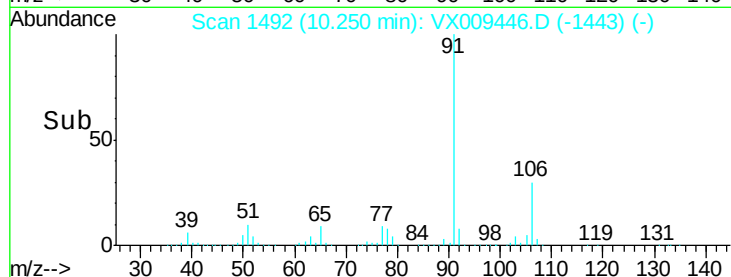
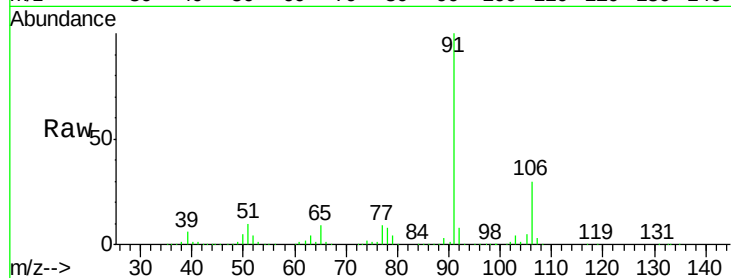
#67
Ethyl Benzene
Concen: 20.734 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009446.D
Acq: 09 May 2019 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS02

Tot Ion: 91 Resp: 181323
Ion Ratio Lower Upper
91 100
106 30.1 24.0 36.0

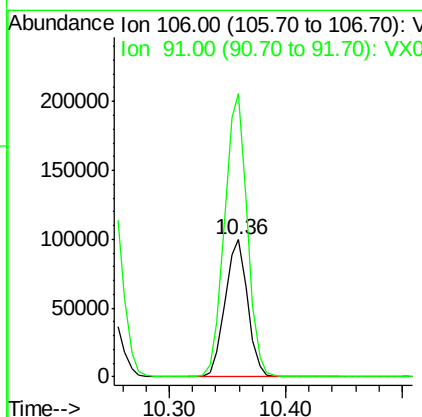
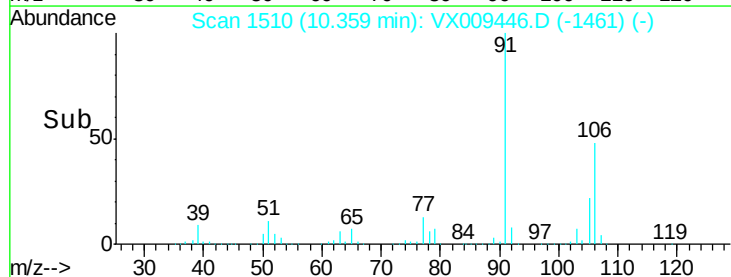
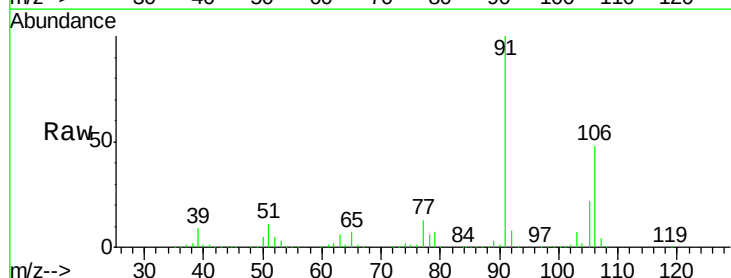
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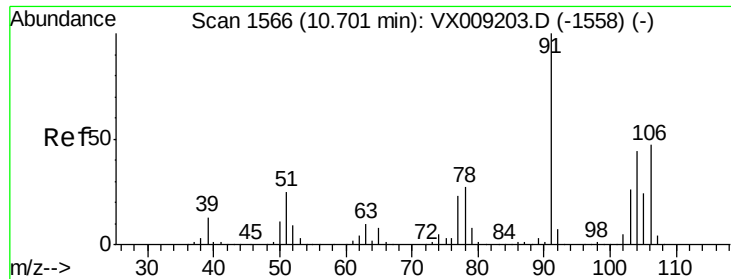
MMDadoda
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#68
m/p-Xylenes
Concen: 41.712 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009446.D
Acq: 09 May 2019 23:11

Tgt Ion: 106 Resp: 133300
Ion Ratio Lower Upper
106 100
91 207.0 164.0 246.0





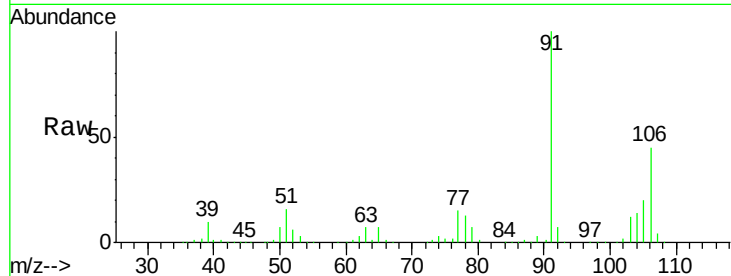
#69
o-Xylene
Concen: 20.663 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009446.D
Acq: 09 May 2019 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS02

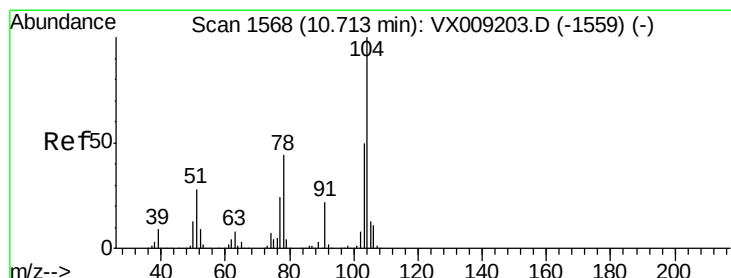
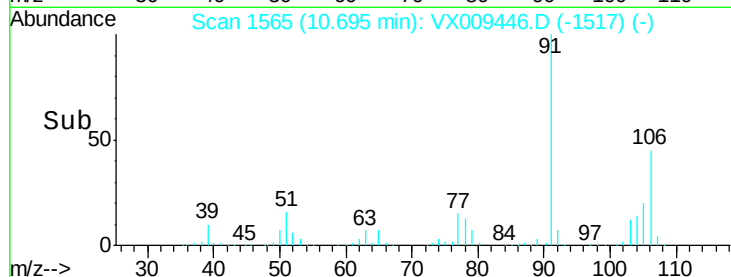
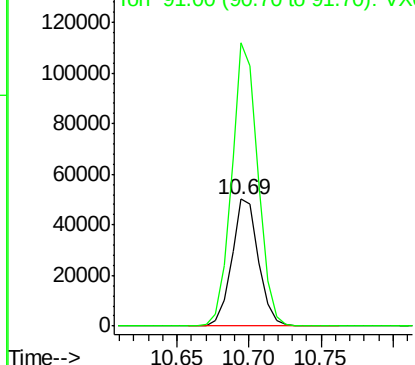
Tot Ion:106 Resp: 65152
Ion Ratio Lower Upper
106 100
91 219.8 109.5 328.4

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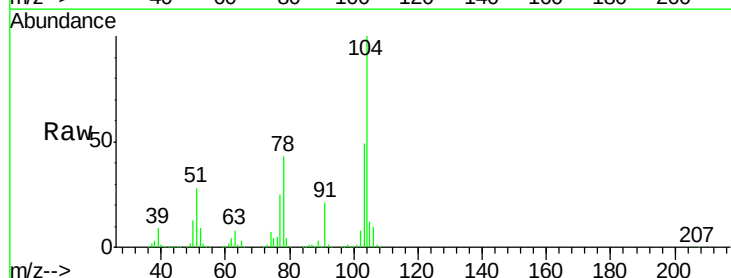


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

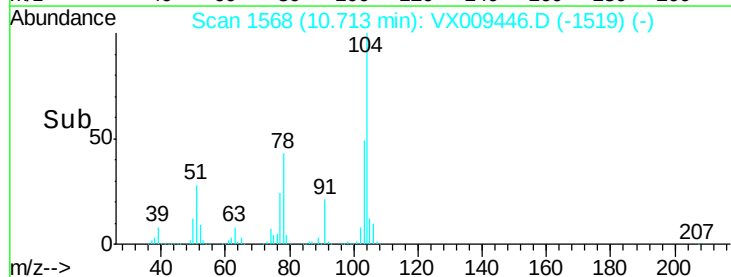
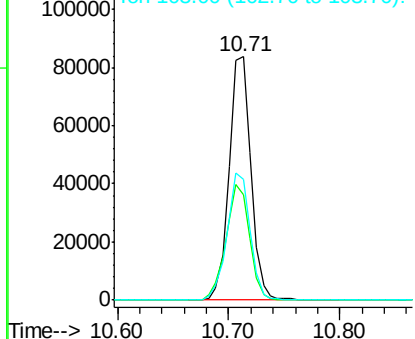


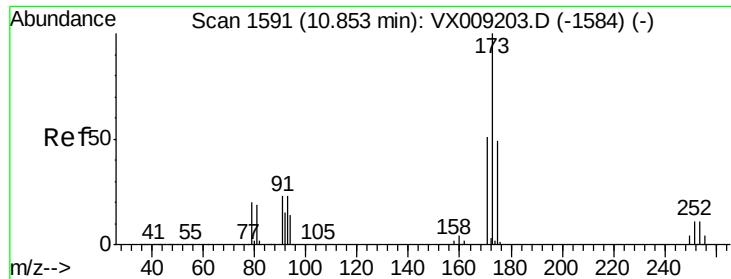
#70
Styrene
Concen: 20.698 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009446.D
Acq: 09 May 2019 23:11

Tgt Ion:104 Resp: 113431
Ion Ratio Lower Upper
104 100
78 51.4 41.0 61.4
103 55.0 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





#71

Bromoform

Concen: 19.764 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Instrument :

MSVOA_X

ClientSampled :

VX0509WBS02

Tot Ion:173 Resp: 27669

Ion Ratio Lower Upper

173 100

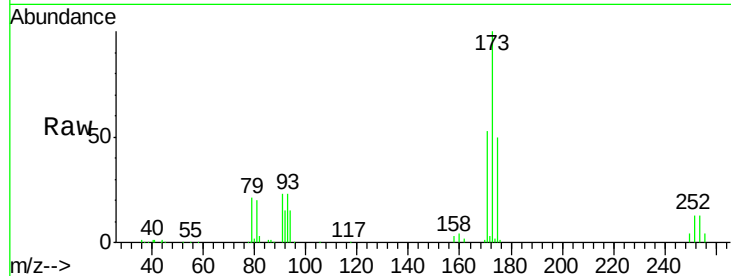
175 49.2 24.5 73.5

254 0.0 0.1 0.1#

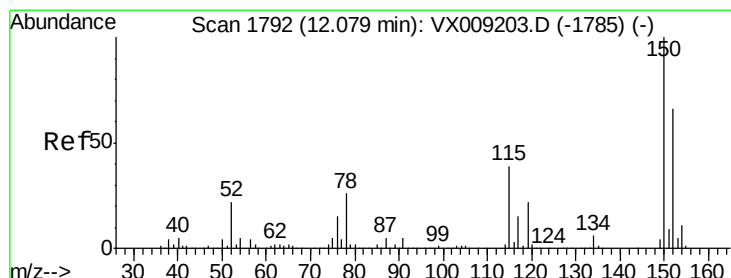
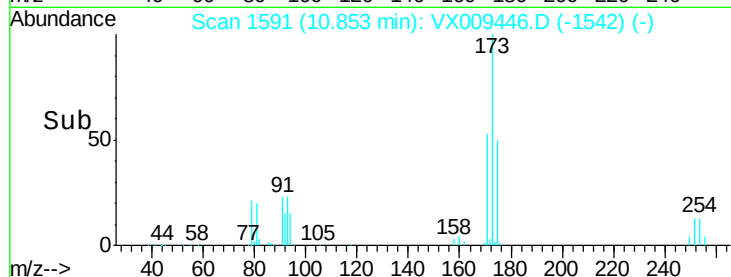
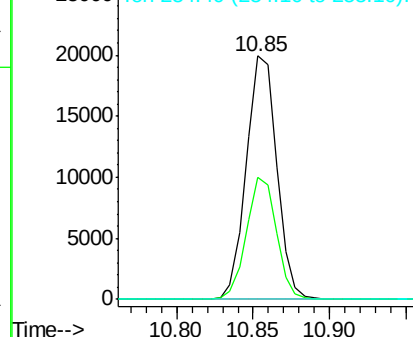
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

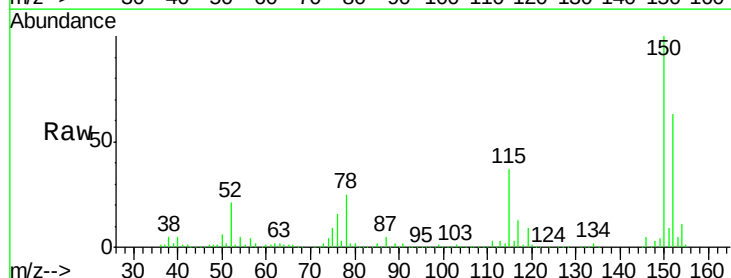
Tgt Ion:152 Resp: 114111

Ion Ratio Lower Upper

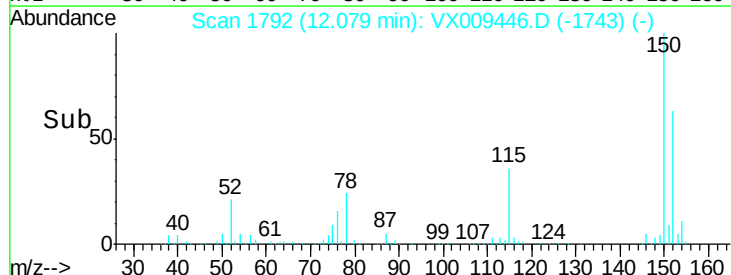
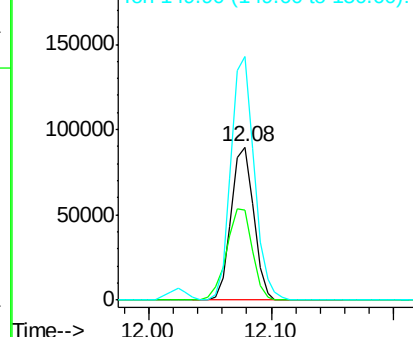
152 100

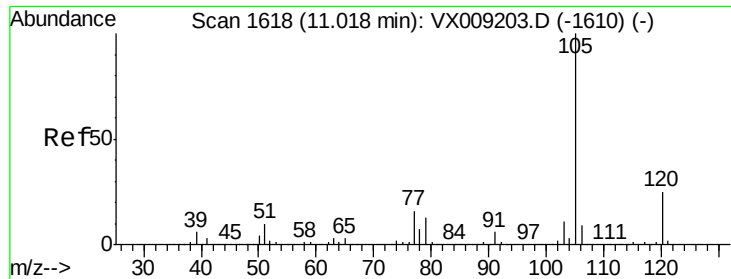
115 68.4 41.2 123.6

150 164.9 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.918 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS02

Tot Ion: 105 Resp: 173574

Ion Ratio Lower Upper

105 100

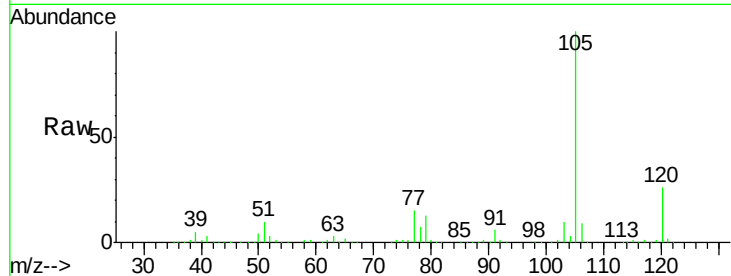
120 26.0 12.8 38.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

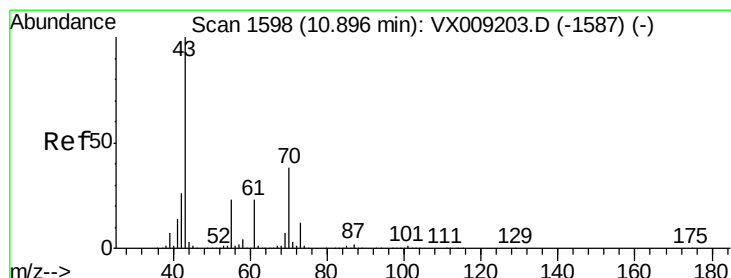
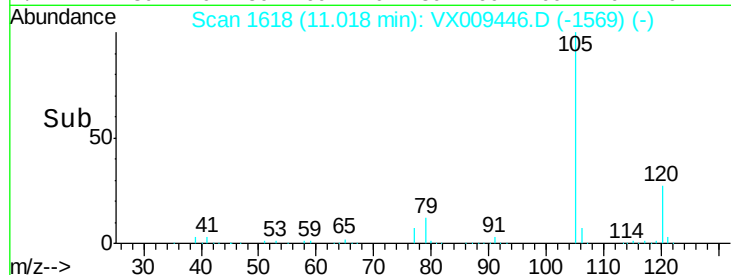
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.063 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Tgt Ion: 43 Resp: 97061

Ion Ratio Lower Upper

43 100

70 37.7 30.0 45.0

55 23.8 17.9 26.9

61 22.3 18.4 27.6

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

120000

100000

80000

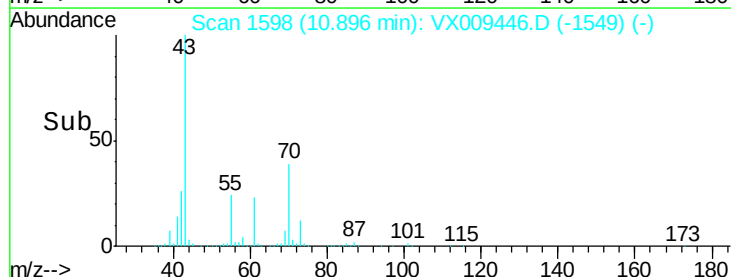
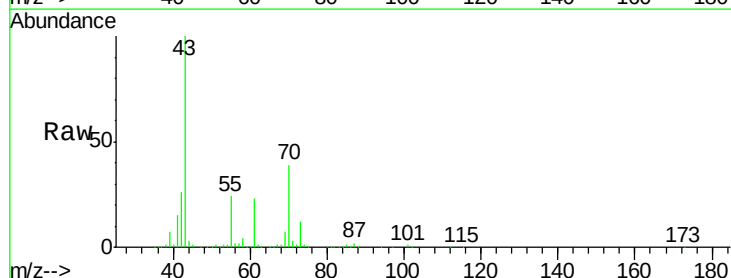
60000

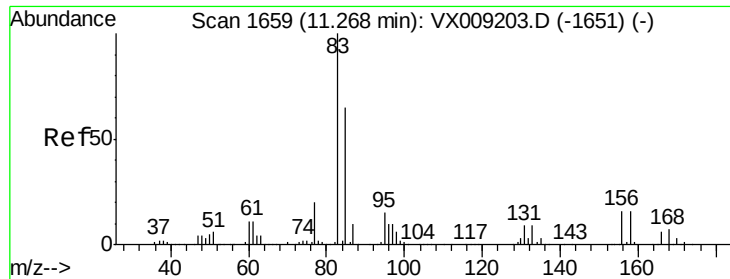
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.344 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Instrument :

MSVOA_X

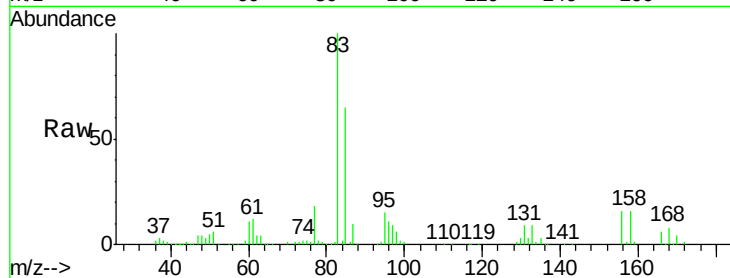
ClientSampleId :

VX0509WBS02

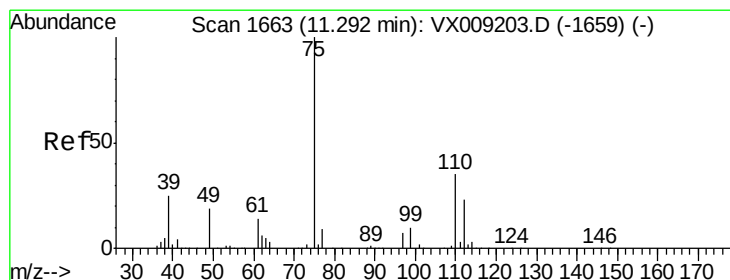
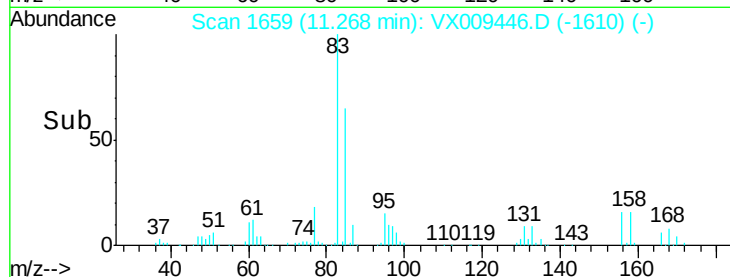
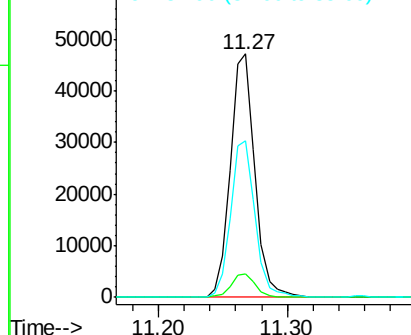
Tot Ion:	83	Resp:	62932
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.6	13.8
85	64.2	32.0	96.2

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



#76

1,2,3-Trichloropropane

Concen: 20.844 ug/l m

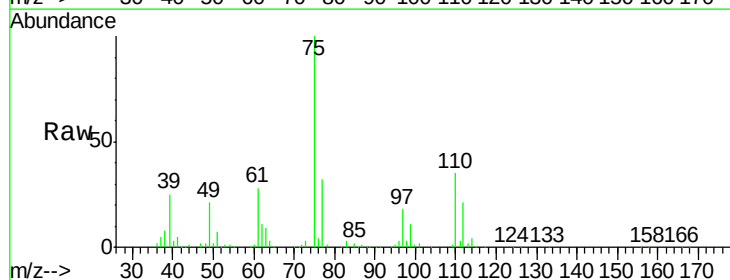
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

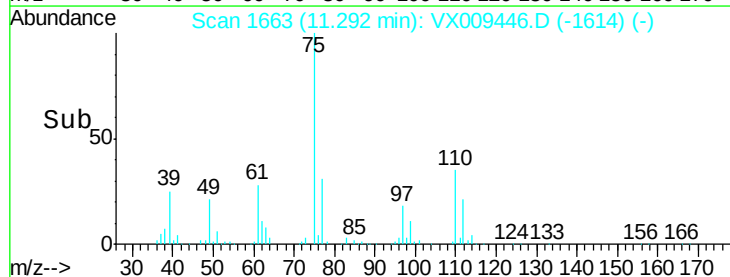
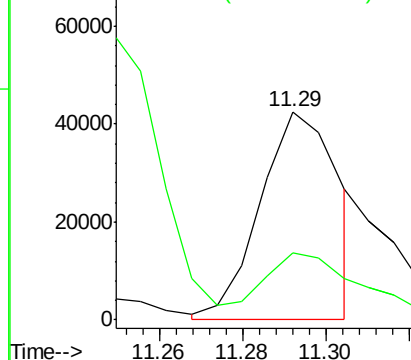
Lab File: VX009446.D

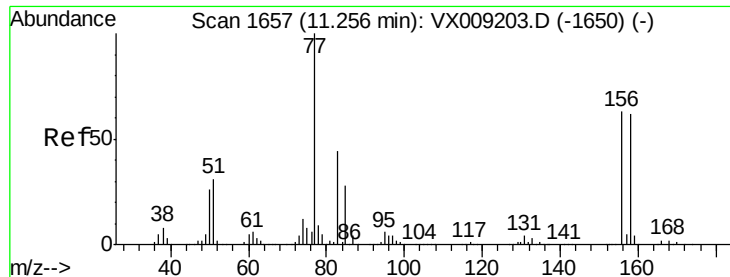
Acq: 09 May 2019 23:11

Tgt Ion:	75	Resp:	55174
Ion Ratio	Lower	Upper	
75	100		
77	41.6	22.1	66.1



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





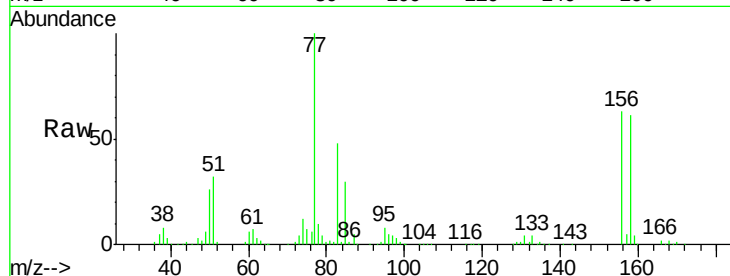
#77
Bromobenzene
Concen: 20.961 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX009446.D
Acq: 09 May 2019 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	167.6	84.8	254.3
158	96.1	49.1	147.3

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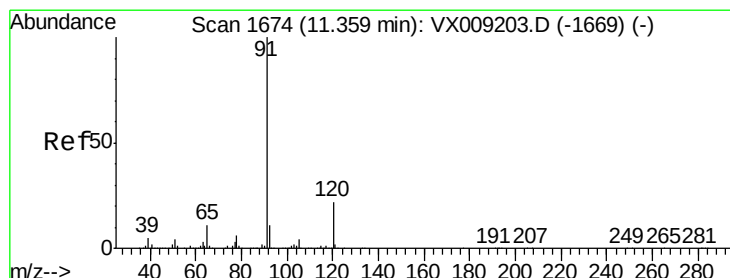
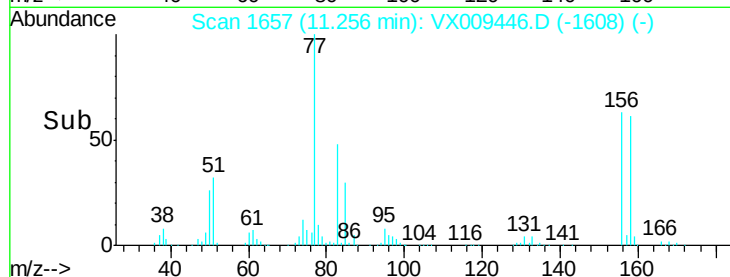
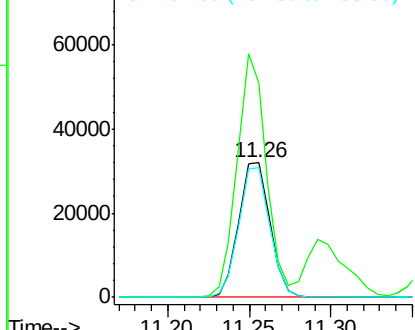


Abundance

Ion 155.80 (155.50 to 156.50): V

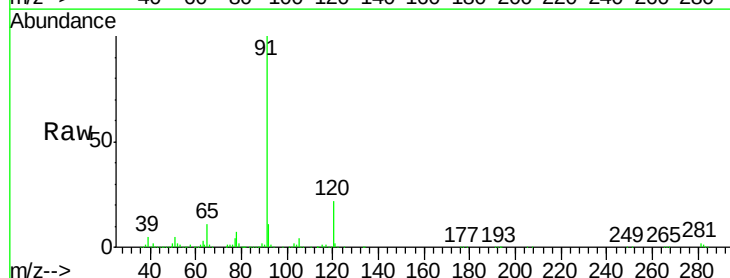
Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78
n-propylbenzene
Concen: 20.722 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX009446.D
Acq: 09 May 2019 23:11

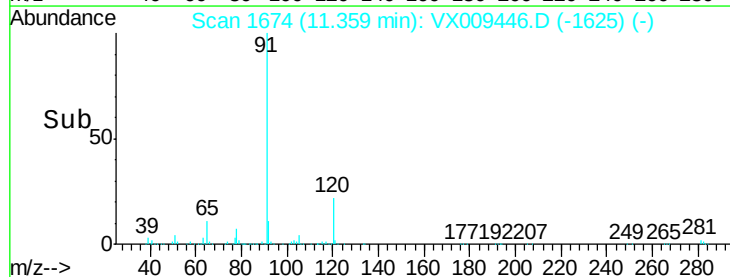
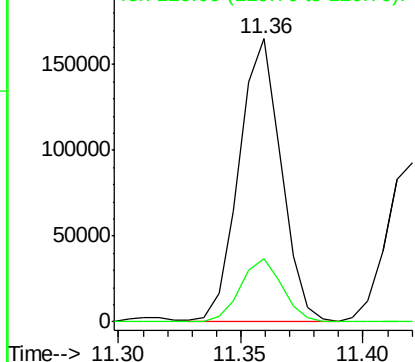
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.0	33.0

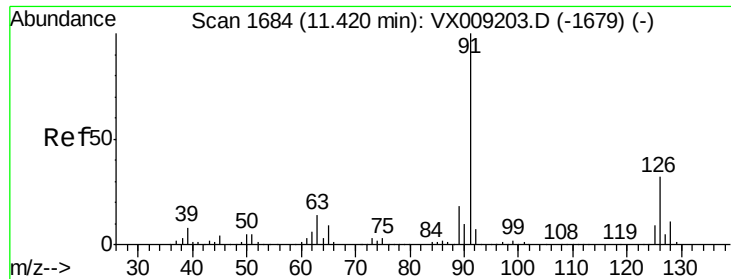


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.207 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS02

Tot Ion: 91 Resp: 118143

Ion Ratio Lower Upper

91 100

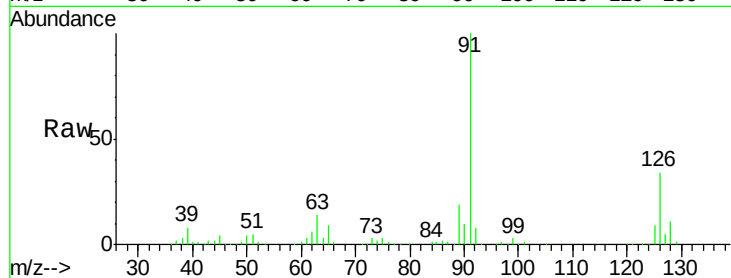
126 33.0 16.3 48.9

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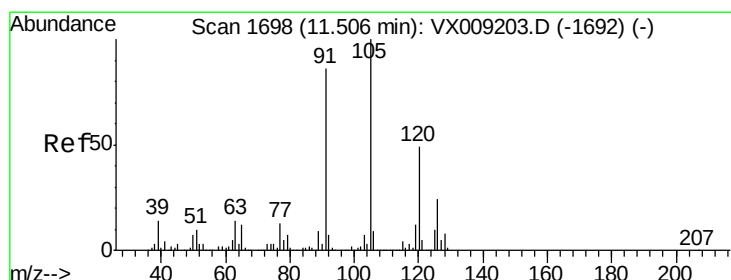
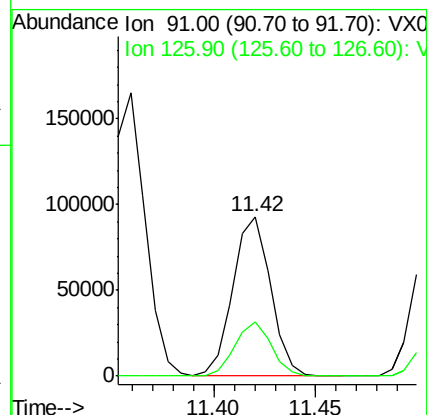
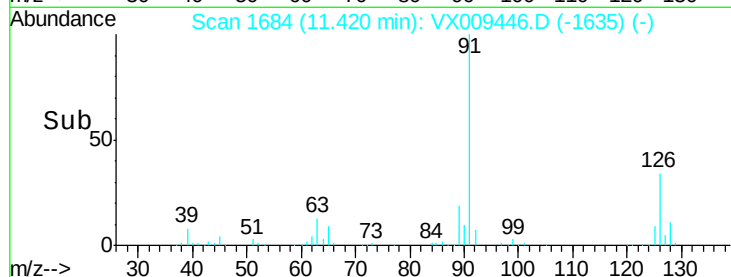
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Abundance Ion 91.00 (90.70 to 91.70): VX009446.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX009446.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.878 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009446.D

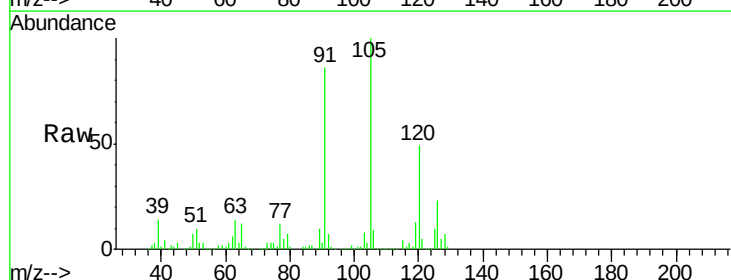
Acq: 09 May 2019 23:11

Tgt Ion:105 Resp: 145873

Ion Ratio Lower Upper

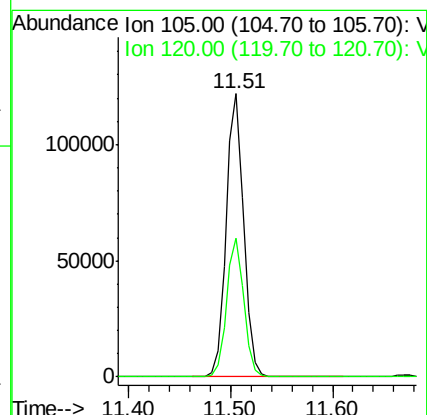
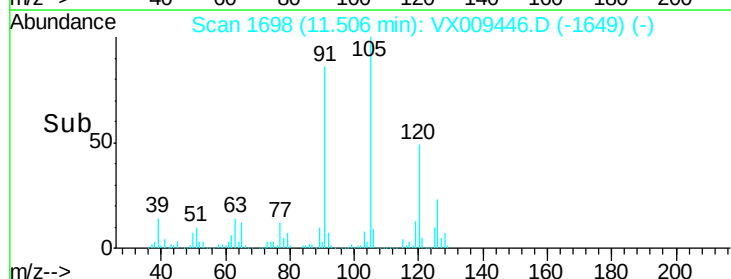
105 100

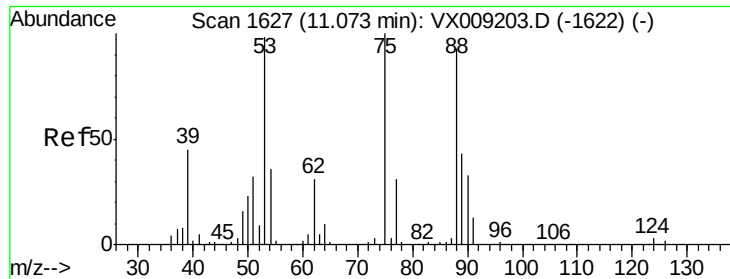
120 48.1 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009446.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX009446.D (-1649) (-)





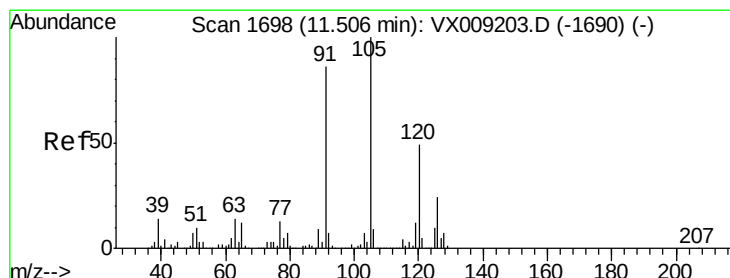
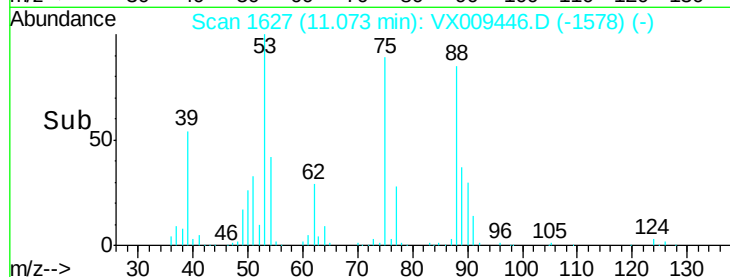
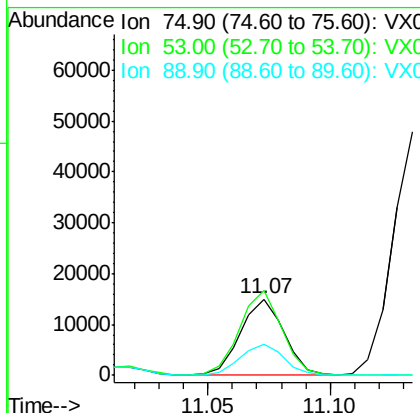
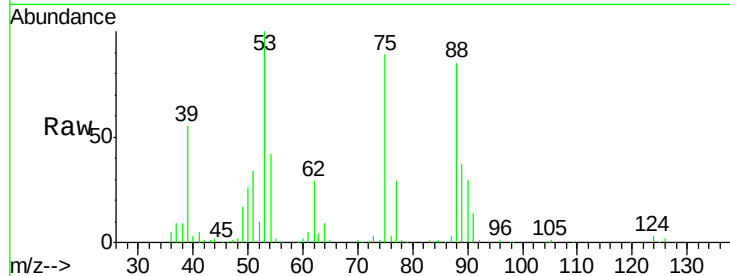
#81
trans-1,4-Dichloro-2-butene
Concen: 17.966 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009446.D
Acq: 09 May 2019 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.9	79.0	118.6
89	41.4	34.7	52.1

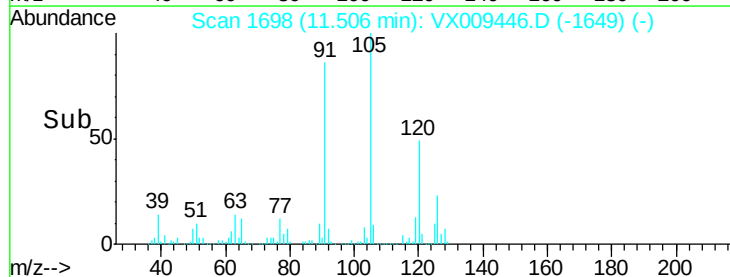
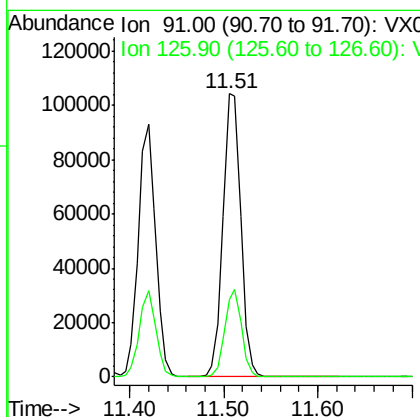
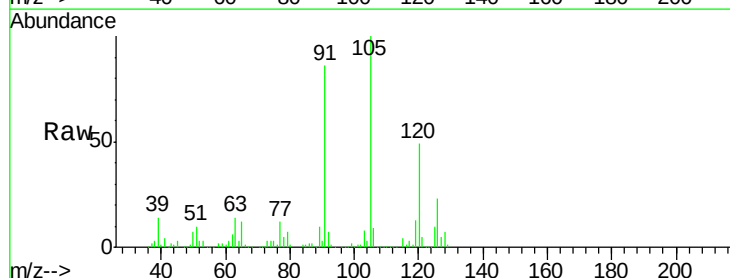
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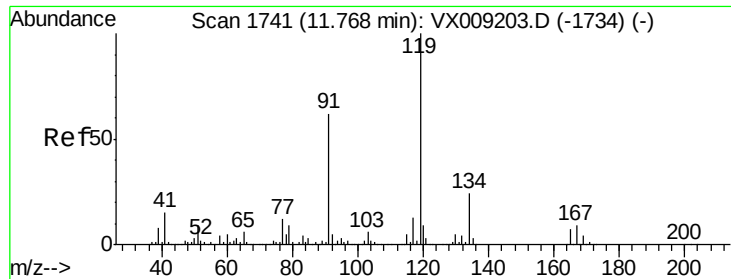
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#82
4-Chlorotoluene
Concen: 20.744 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX009446.D
Acq: 09 May 2019 23:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.5	43.6





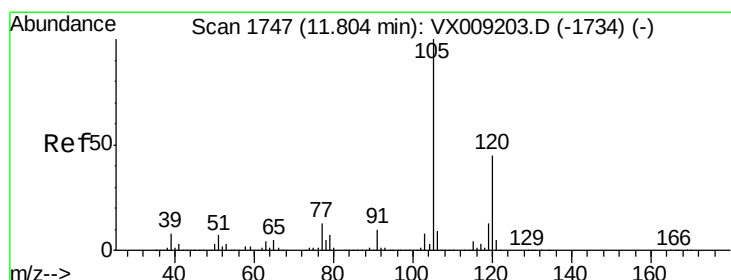
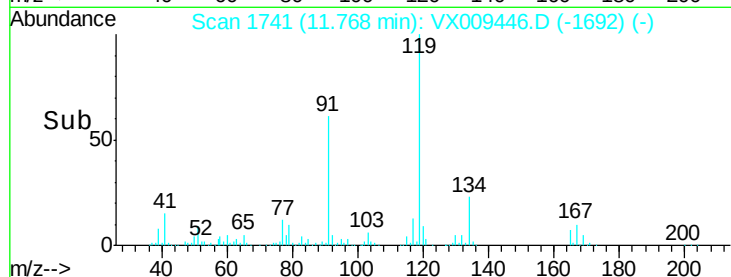
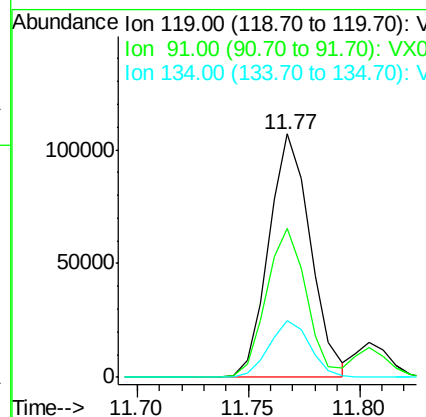
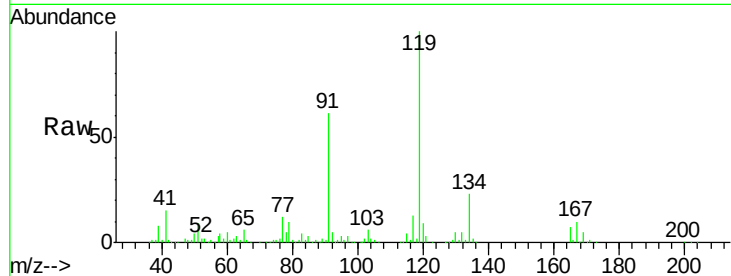
#83
 tert-Butylbenzene
 Concen: 20.482 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009446.D
 Acq: 09 May 2019 23:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	139214		
91	59.3	29.5	88.5	
134	22.9	11.4	34.1	

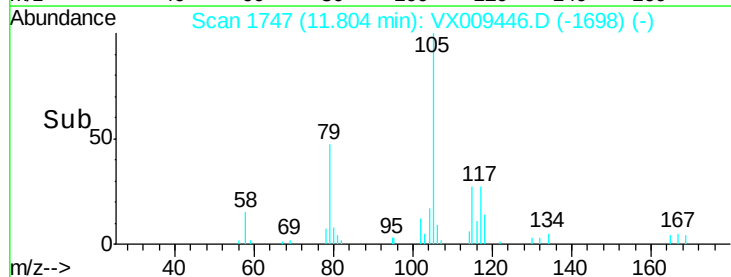
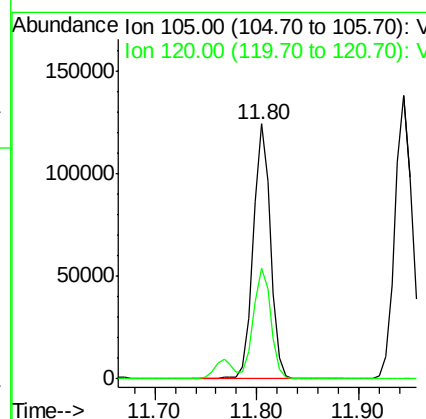
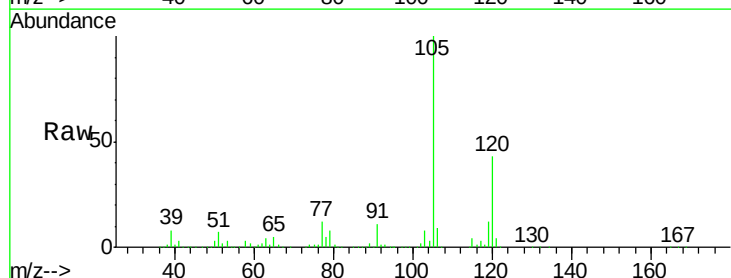
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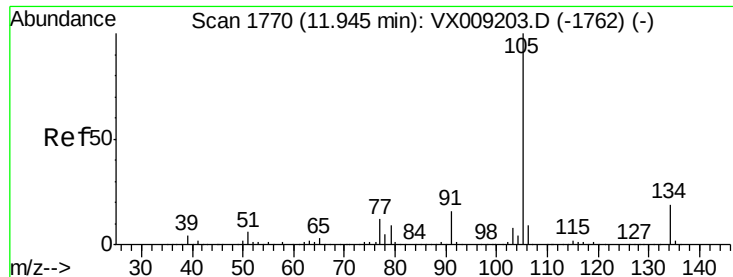
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.940 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009446.D
 Acq: 09 May 2019 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	146858		
120	44.3	22.0	66.0	





#85

sec-Butylbenzene

Concen: 20.494 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS02

Tot Ion:105 Resp: 165143

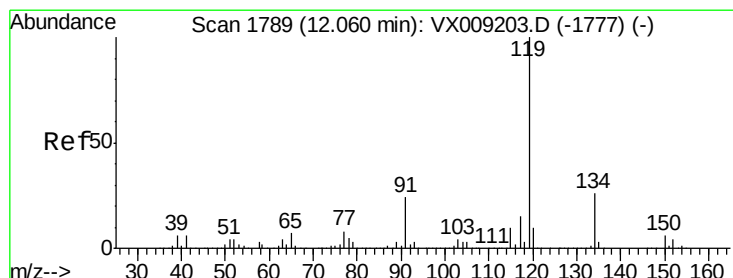
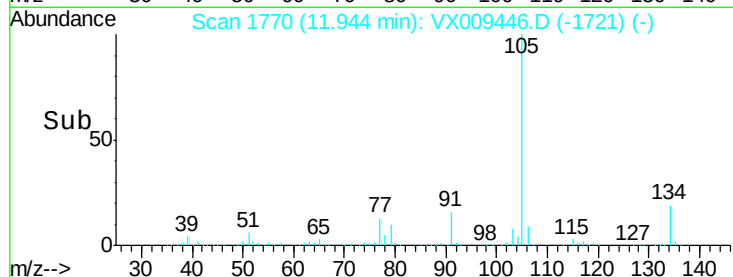
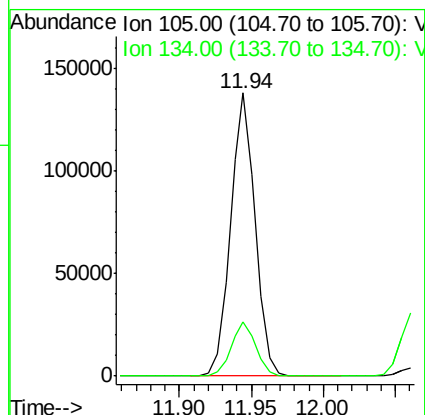
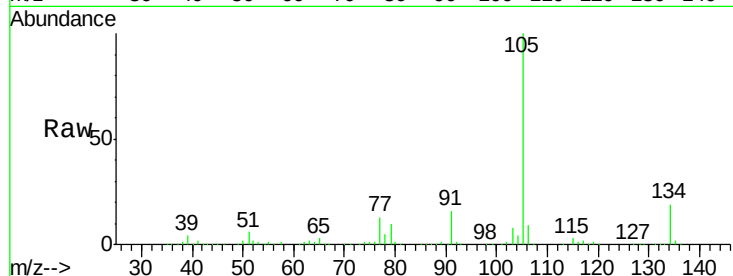
Ion Ratio Lower Upper

105 100

134 19.2 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 20.917 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

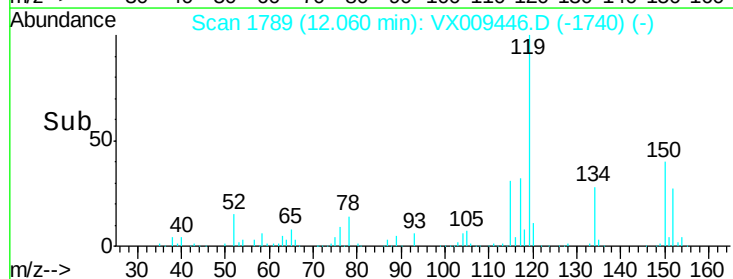
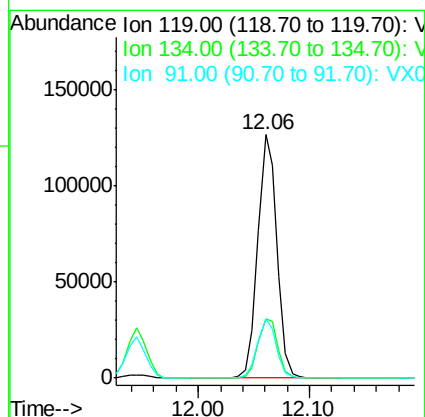
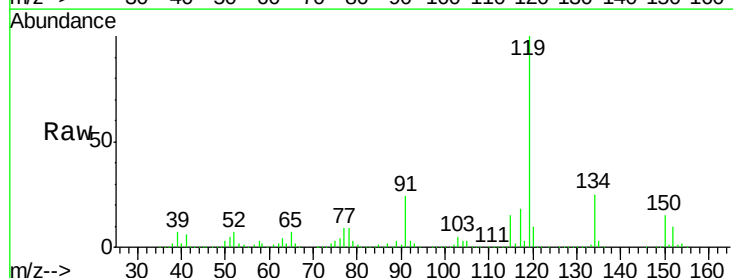
Tgt Ion:119 Resp: 151530

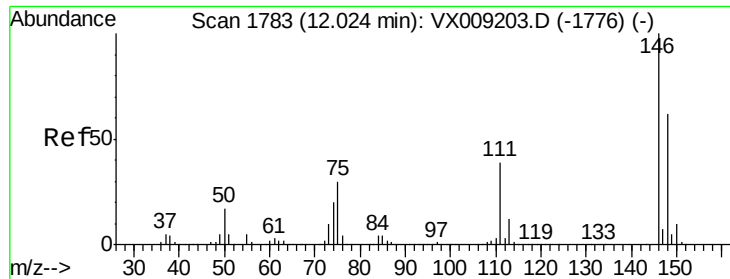
Ion Ratio Lower Upper

119 100

134 25.3 12.9 38.7

91 24.1 11.8 35.4





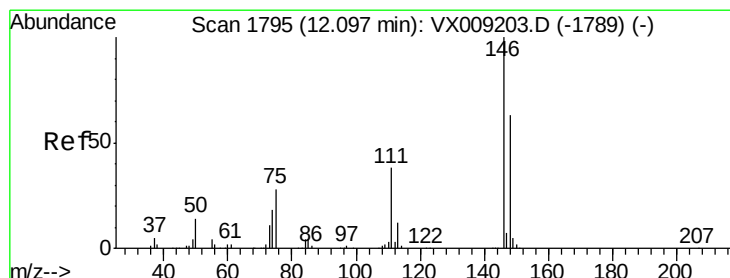
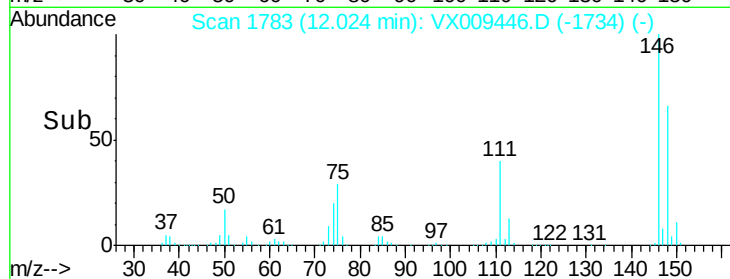
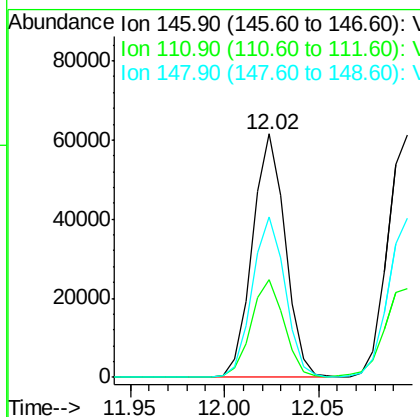
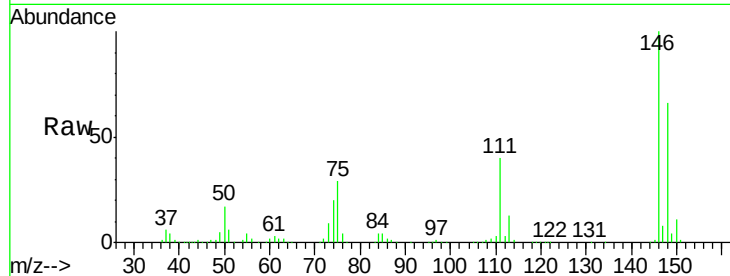
#87
 1,3-Dichlorobenzene
 Concen: 20.291 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009446.D
 Acq: 09 May 2019 23:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	59.9
148	66.1	31.8	95.3

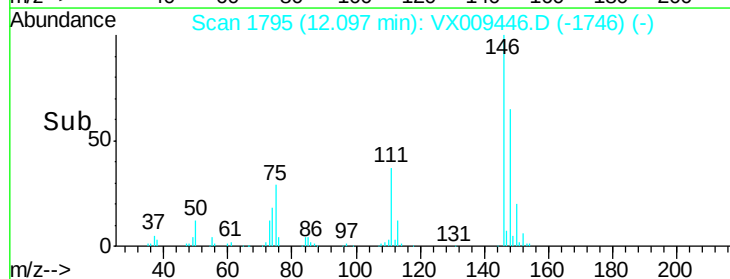
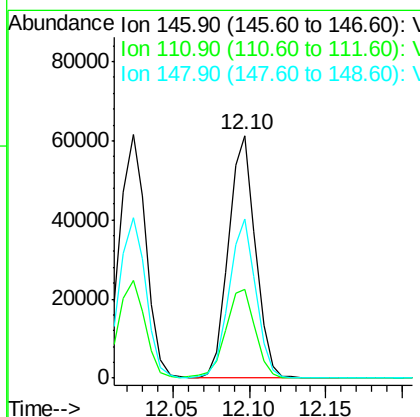
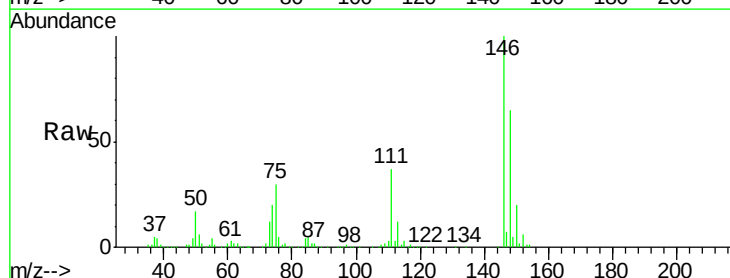
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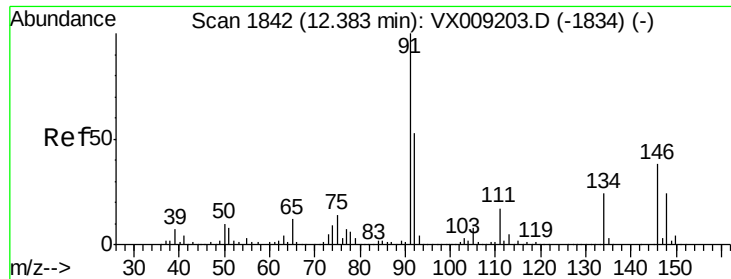
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#88
 1,4-Dichlorobenzene
 Concen: 20.178 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009446.D
 Acq: 09 May 2019 23:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.6	58.8
148	65.5	31.8	95.3





#89

n-Butylbenzene

Concen: 19.761 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Instrument :

MSVOA_X

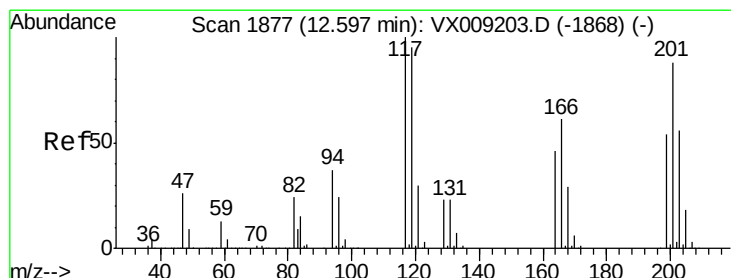
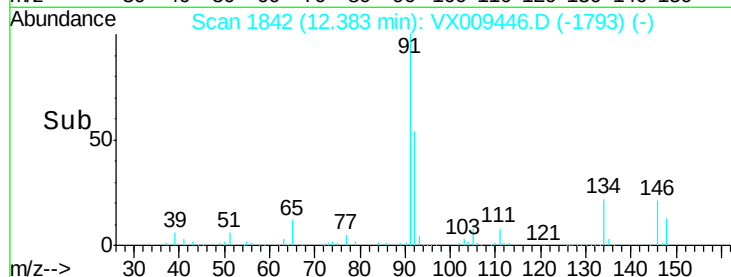
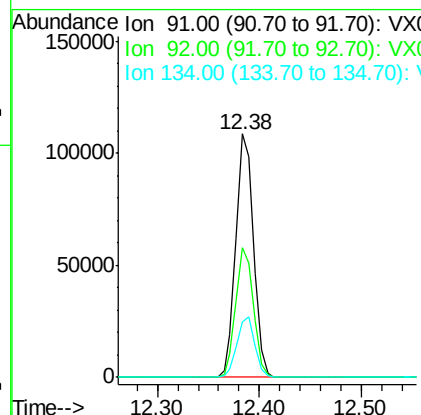
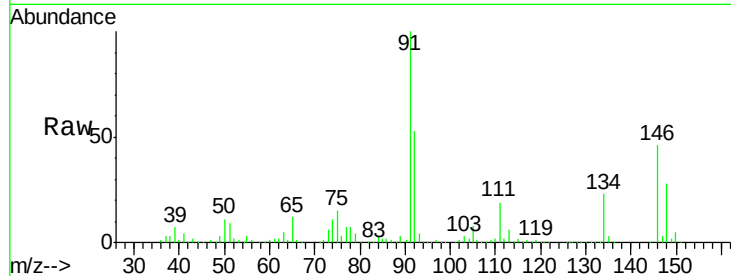
ClientSampled :

VX0509WBS02

Tot Ion:	91	Resp:	129391
Ion Ratio	Lower	Upper	
91	100		
92	53.1	26.5	79.5
134	24.9	12.4	37.2

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#90

Hexachloroethane

Concen: 19.976 ug/l

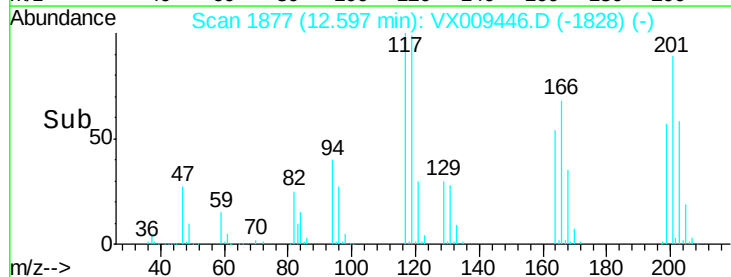
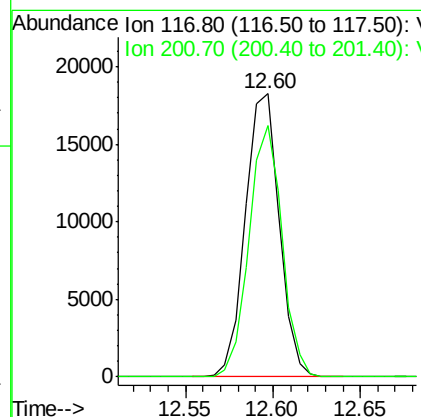
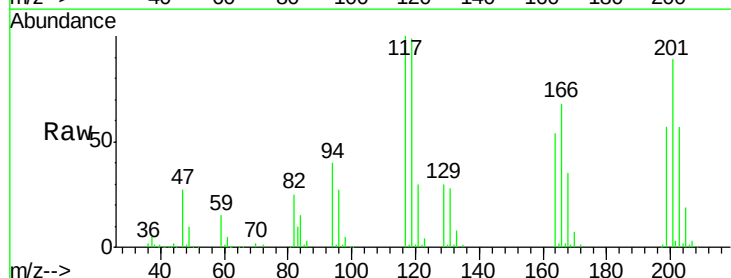
RT: 12.60 min Scan# 1877

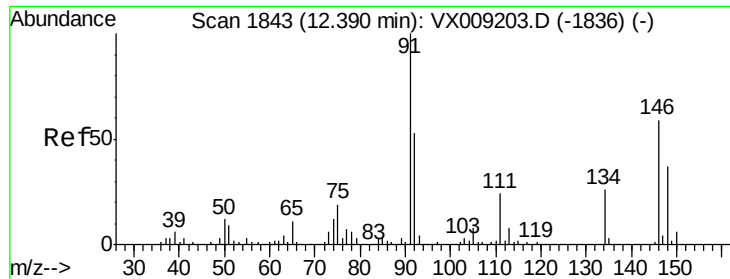
Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Tgt Ion:	117	Resp:	24654
Ion Ratio	Lower	Upper	
117	100		
201	86.4	42.3	126.9





#91

1,2-Dichlorobenzene

Concen: 20.590 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Instrument :

MSVOA_X

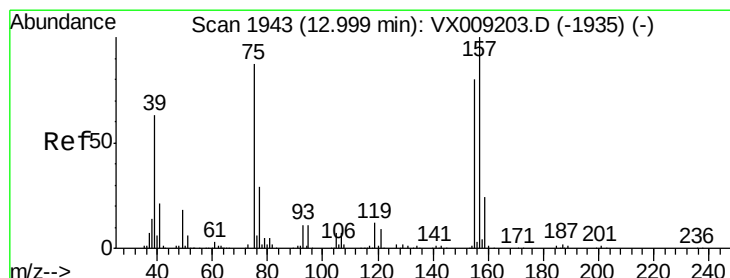
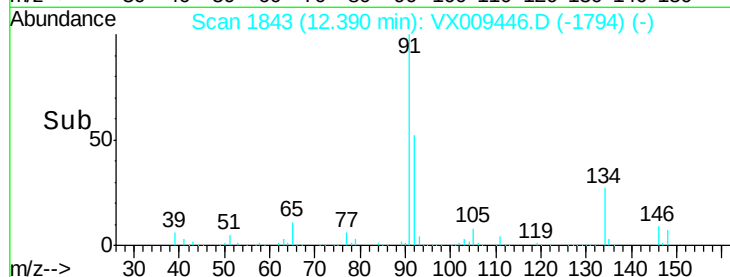
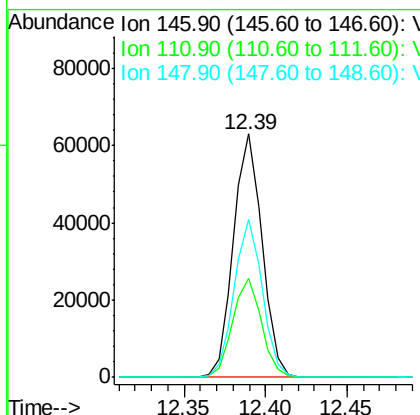
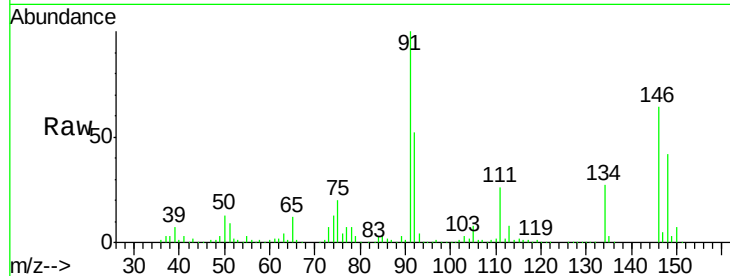
ClientSampleId :

VX0509WBS02

Tot Ion:	146	Resp:	77000
Ion Ratio	Lower	Upper	
146	100		
111	40.6	20.8	62.4
148	64.1	31.9	95.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.895 ug/l

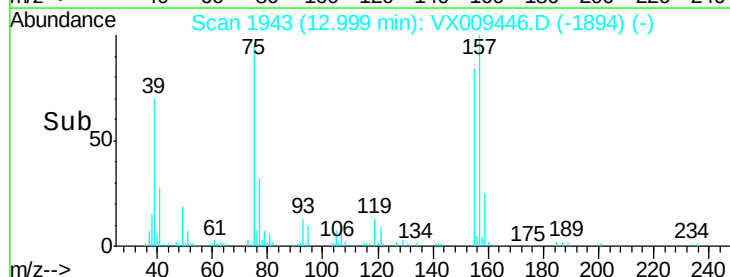
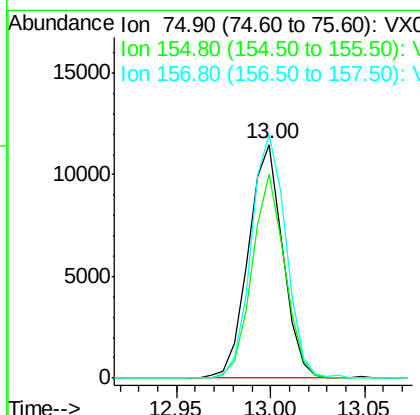
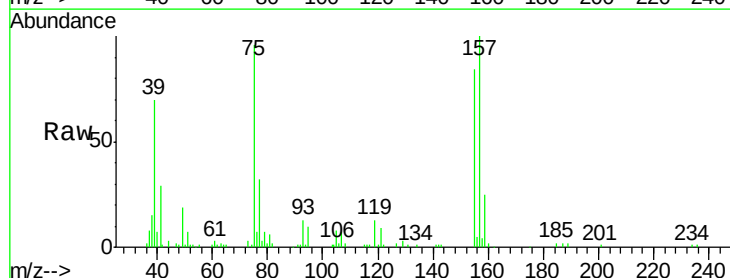
RT: 13.00 min Scan# 1943

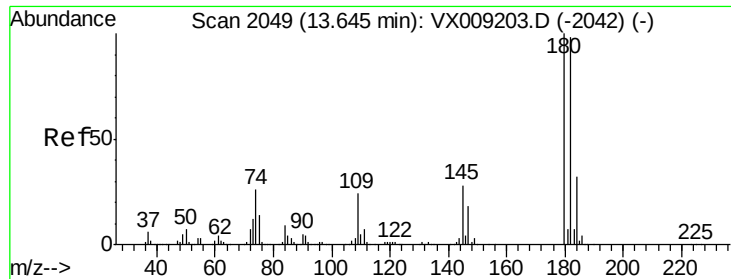
Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Tgt Ion:	75	Resp:	14500
Ion Ratio	Lower	Upper	
75	100		
155	83.1	42.0	126.0
157	105.3	53.2	159.6





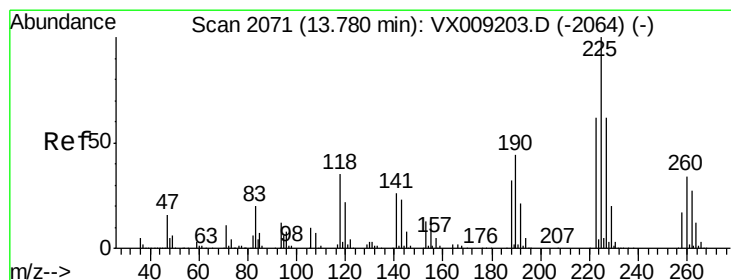
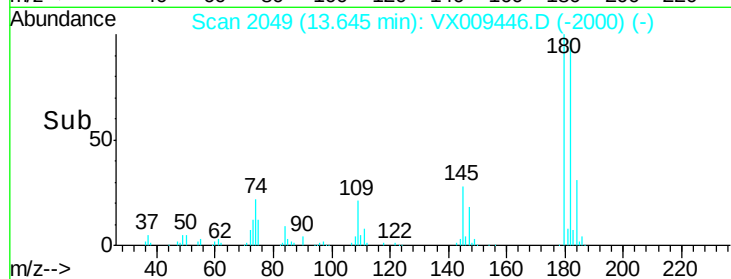
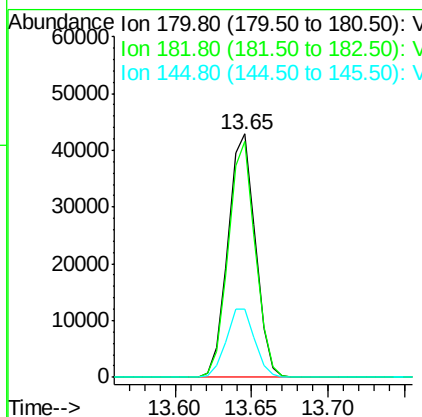
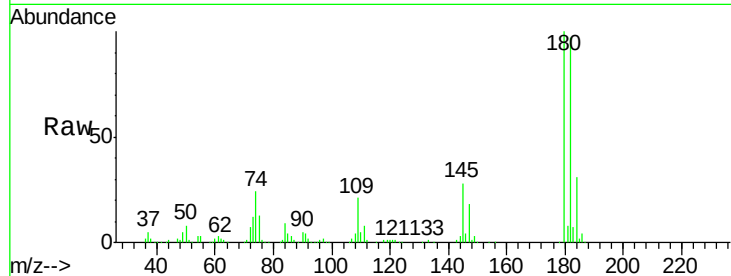
#93
 1,2,4-Trichlorobenzene
 Concen: 20.776 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009446.D
 Acq: 09 May 2019 23:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	53132		
182	95.4		48.4	145.2
145	29.2		14.6	43.8

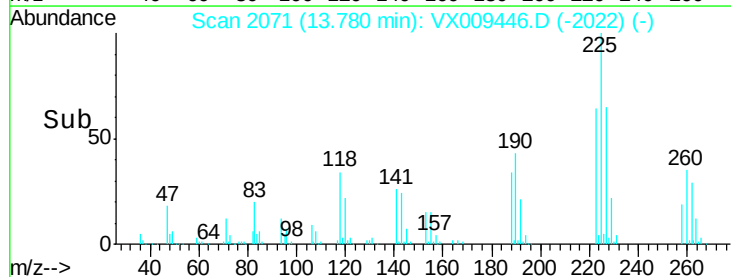
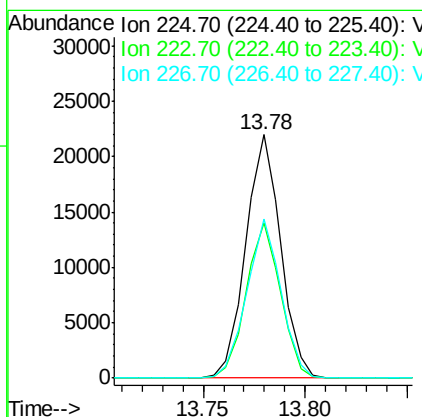
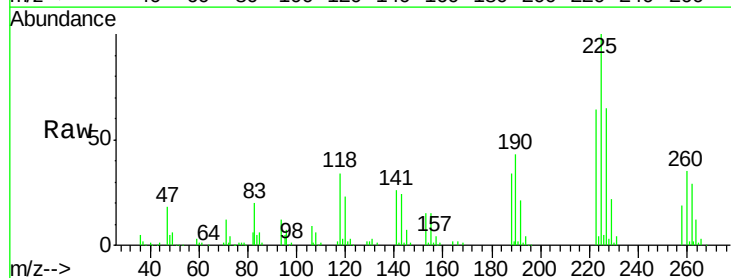
Manual Integrations
 APPROVED

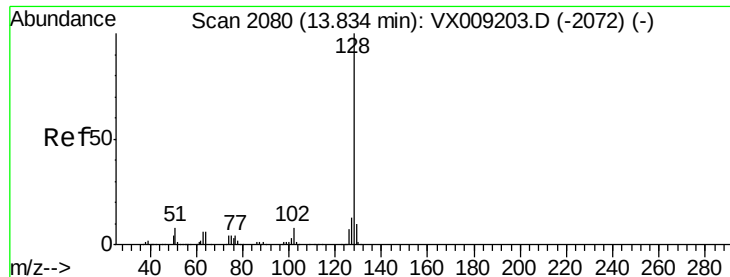
MMDadoda
 5/10/2019 1:12:43 PM



#94
 Hexachlorobutadiene
 Concen: 19.908 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009446.D
 Acq: 09 May 2019 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	25999		
223	63.2		31.3	93.8
227	64.8		31.8	95.3





#95

Naphthalene

Concen: 21.153 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Instrument :

MSVOA_X

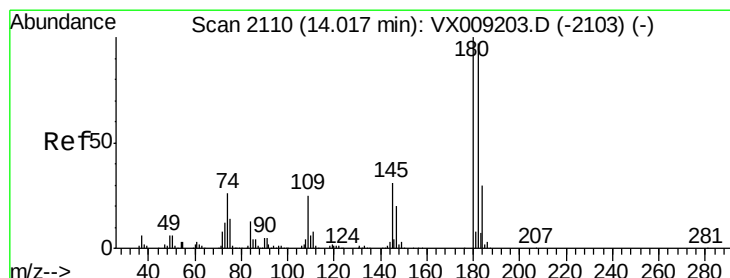
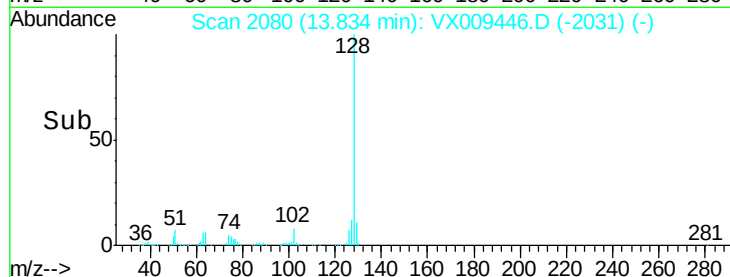
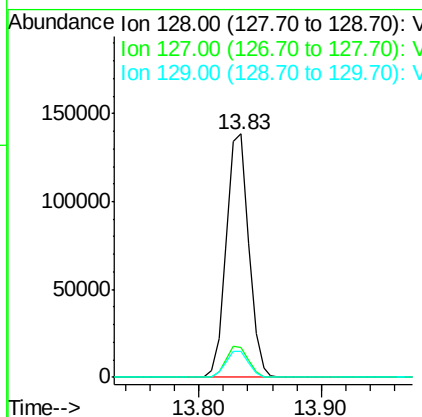
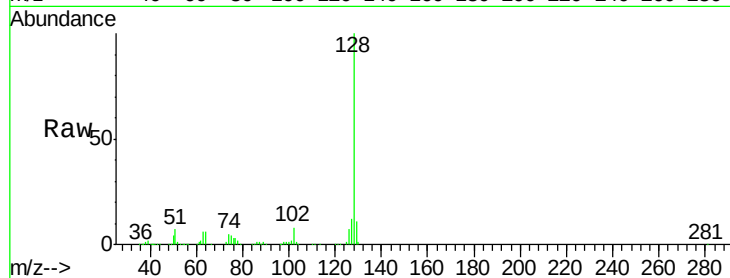
ClientSampleId :

VX0509WBS02

Tot Ion:	128	Resp:	175994
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/10/2019 1:12:43 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.908 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009446.D

Acq: 09 May 2019 23:11

Tgt Ion:	180	Resp:	54200
Ion Ratio	Lower	Upper	
180	100		
182	96.8	47.8	143.4
145	30.9	15.4	46.4

