

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082918\
 Data File : VX004302.D
 Acq On : 29 Aug 2018 19:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/30/2018 1:38:37 PM

Quant Time: Aug 30 06:35:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	300999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	431535	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	396260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	247505	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	193034	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
35) Dibromofluoromethane	5.50	113	168207	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
50) Toluene-d8	8.72	98	622731	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
62) 4-Bromofluorobenzene	11.14	95	235987	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.19	85	171039	49.06	ug/l	97
3) Chloromethane	1.32	50	183824	47.72	ug/l	99
4) Vinyl Chloride	1.40	62	191832	48.64	ug/l	100
5) Bromomethane	1.63	94	90801	46.57	ug/l	99
6) Chloroethane	1.71	64	126053	44.81	ug/l	99
7) Trichlorofluoromethane	1.92	101	264025	48.85	ug/l	95
8) Diethyl Ether	2.18	74	117308	50.69	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	163819	48.39	ug/l	100
10) Methyl Iodide	2.51	142	175951	46.40	ug/l	99
11) Tert butyl alcohol	3.08	59	225229	269.33	ug/l	100
12) 1,1-Dichloroethene	2.37	96	153423	48.11	ug/l	99
13) Acrolein	2.29	56	50505	250.50	ug/l	98
14) Allyl chloride	2.72	41	293805	50.15	ug/l	97
15) Acrylonitrile	3.15	53	532403	257.07	ug/l	99
16) Acetone	2.45	43	435212	272.48	ug/l	99
17) Carbon Disulfide	2.56	76	397182	44.93	ug/l	100
18) Methyl Acetate	2.78	43	365769	62.83	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	533785	50.80	ug/l	98
20) Methylene Chloride	2.85	84	182912	48.43	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	166326	47.13	ug/l	96
22) Diisopropyl ether	3.87	45	540627	49.42	ug/l	99
23) Vinyl Acetate	3.82	43	2132639	240.55	ug/l	99
24) 1,1-Dichloroethane	3.69	63	324033	50.83	ug/l	99
25) 2-Butanone	4.71	43	697103	265.36	ug/l	100
26) 2,2-Dichloropropane	4.58	77	210832	42.17	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	193637	48.37	ug/l	98
28) Bromochloromethane	5.02	49	146902	52.05	ug/l	99
29) Tetrahydrofuran	5.16	42	441679	262.04	ug/l	100
30) Chloroform	5.21	83	320946	50.21	ug/l	99
31) Cyclohexane	5.57	56	264122	48.02	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	268340	50.35	ug/l	99
36) 1,1-Dichloropropene	5.79	75	236453	48.74	ug/l	100
37) Ethyl Acetate	4.86	43	246453	51.65	ug/l	100
38) Carbon Tetrachloride	5.78	117	233574	51.18	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	263901	47.64	ug/l	97
40) Benzene	6.14	78	732859	50.55	ug/l	99
41) Methacrylonitrile	5.06	41	144189	52.14	ug/l	99
42) 1,2-Dichloroethane	6.20	62	249645	50.49	ug/l	100
43) Isopropyl Acetate	6.46	43	384216	52.41	ug/l	100
44) Trichloroethene	7.21	130	194690	48.52	ug/l	97
45) 1,2-Dichloropropane	7.52	63	188788	52.03	ug/l	100
46) Dibromomethane	7.67	93	122781	50.83	ug/l	99
47) Bromodichloromethane	7.90	83	238719	53.11	ug/l	99
48) Methyl methacrylate	7.78	41	211845	54.00	ug/l	99
49) 1,4-Dioxane	7.76	88	98362	1104.33	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	1369026	257.00	ug/l	100
52) Toluene	8.79	92	467295	51.50	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	255458	51.45	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	283044	52.34	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	192915	52.66	ug/l	98
56) Ethyl methacrylate	9.18	69	276174	55.38	ug/l	98
57) 1,3-Dichloropropane	9.37	76	319076	51.68	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	718236	281.10	ug/l	99
59) 2-Hexanone	9.50	43	1056009	259.85	ug/l	100
60) Dibromochloromethane	9.59	129	192423	53.92	ug/l	100
61) 1,2-Dibromoethane	9.68	107	191558	50.53	ug/l	98
64) Tetrachloroethene	9.34	164	197453	50.44	ug/l	98
65) Chlorobenzene	10.14	112	485637	48.83	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	176937	51.58	ug/l	98
67) Ethyl Benzene	10.26	91	827651	51.24	ug/l	95
68) m/p-Xylenes	10.36	106	668728	105.89	ug/l	98
69) o-Xylene	10.70	106	335824	56.22	ug/l	97
70) Styrene	10.71	104	556666	57.55	ug/l	99
71) Bromoform	10.86	173	151522	54.80	ug/l #	99
73) Isopropylbenzene	11.02	105	897415	55.21	ug/l	100
74) N-amyl acetate	10.90	43	343573	54.89	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	299602	52.67	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	269719m	53.58	ug/l	
77) Bromobenzene	11.26	156	235576	51.66	ug/l	98
78) n-propylbenzene	11.36	91	1028143	54.99	ug/l	100
79) 2-Chlorotoluene	11.42	91	610965	53.09	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	739642	54.94	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	83674	53.93	ug/l	97
82) 4-Chlorotoluene	11.51	91	715411	52.83	ug/l	99
83) tert-Butylbenzene	11.77	119	742610	54.83	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	780050	56.45	ug/l	100
85) sec-Butylbenzene	11.94	105	890319	55.37	ug/l	100
86) p-Isopropyltoluene	12.07	119	781644	54.24	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	440838	51.35	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	426071	47.07	ug/l	99
89) n-Butylbenzene	12.39	91	608697	51.94	ug/l	100
90) Hexachloroethane	12.60	117	108161	53.70	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	407630	51.95	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	53982	53.88	ug/l	96

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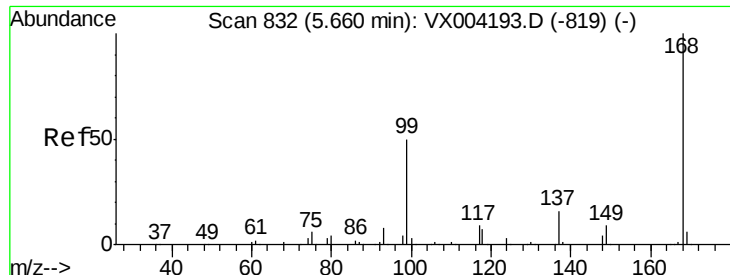
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	289529	50.71	ug/l	100
94) Hexachlorobutadiene	13.79	225	136984	51.58	ug/l	95
95) Naphthalene	13.83	128	983391	60.90	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	330131	54.62	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX004302.D

Acq: 29 Aug 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 300999

Ion Ratio Lower Upper

168 100

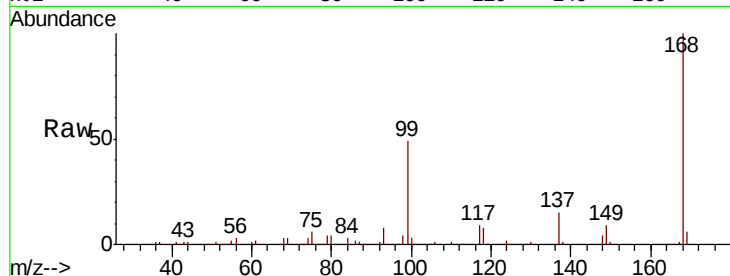
99 48.5 39.9 59.9

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

5.67

120000

100000

80000

60000

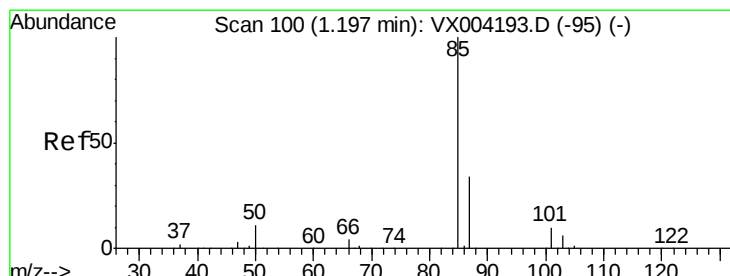
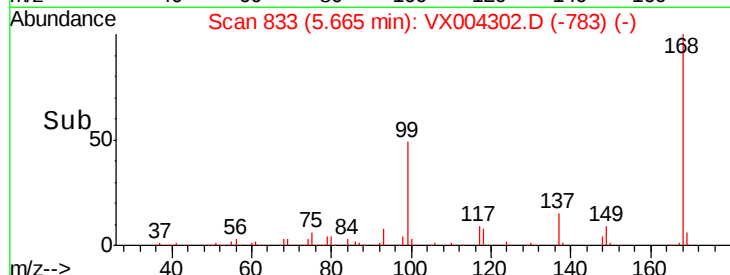
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: 49.06 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX004302.D

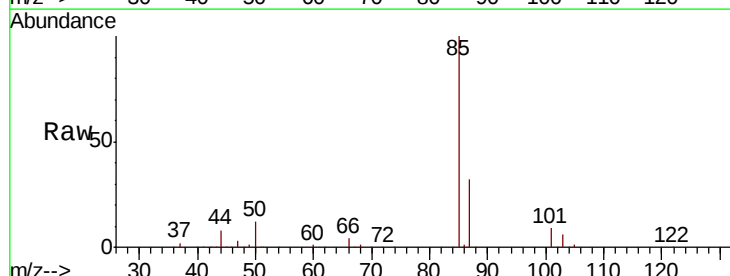
Acq: 29 Aug 2018 19:51

Tgt Ion: 85 Resp: 171039

Ion Ratio Lower Upper

85 100

87 32.0 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

150000

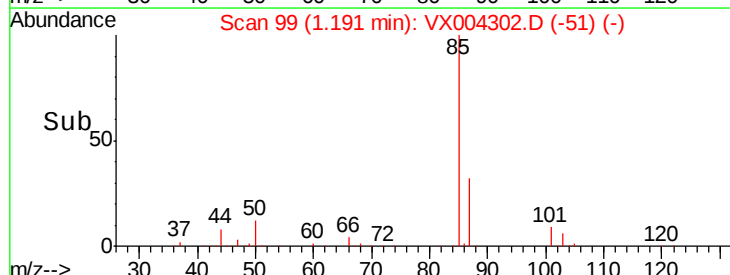
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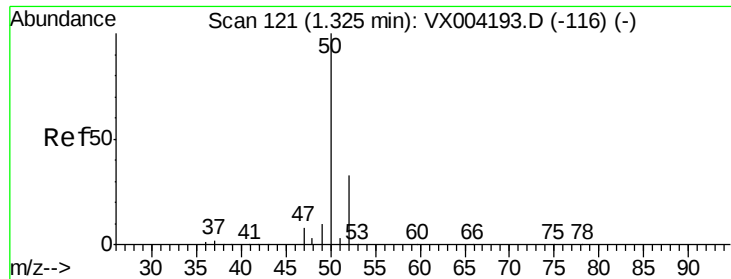
50000

0

Time-->

1.10 1.20 1.30





#3

Chloromethane

Concen: 47.72 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004302.D

Acq: 29 Aug 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 183824

Ion Ratio Lower Upper

50 100

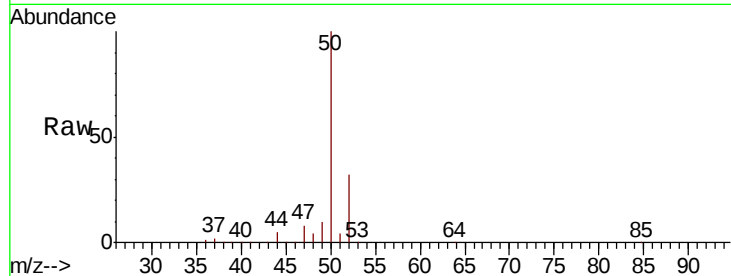
52 32.2 26.2 39.2

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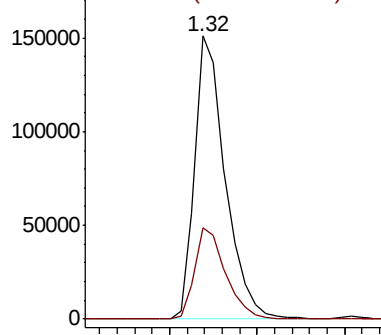
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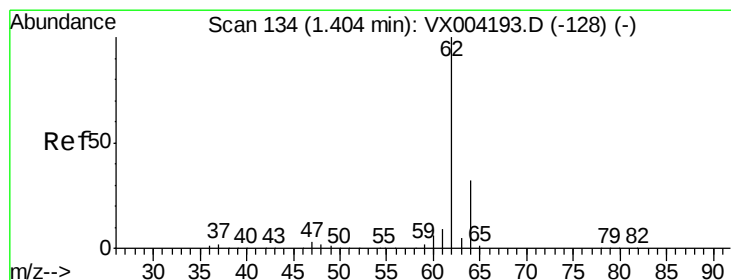
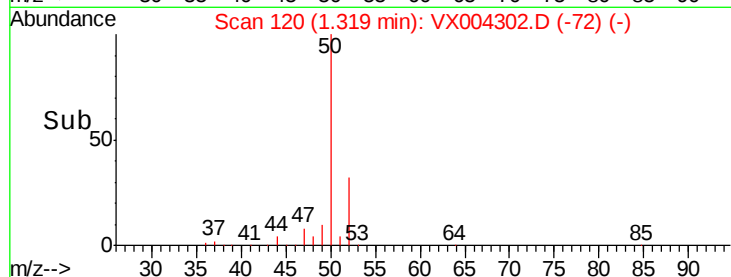


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 48.64 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004302.D

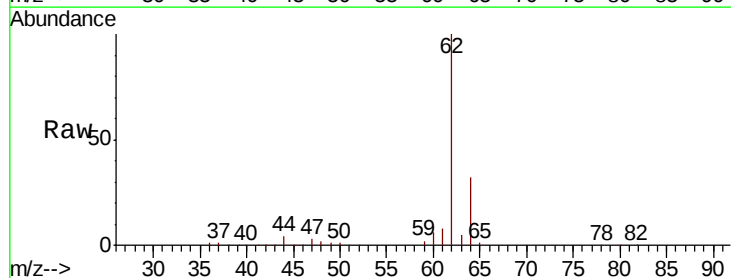
Acq: 29 Aug 2018 19:51

Tgt Ion: 62 Resp: 191832

Ion Ratio Lower Upper

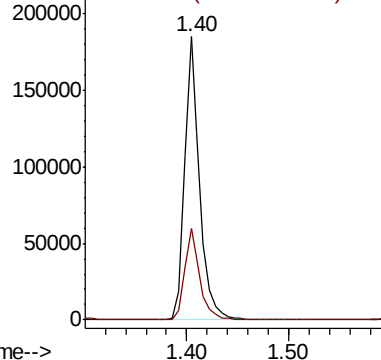
62 100

64 32.0 25.8 38.8

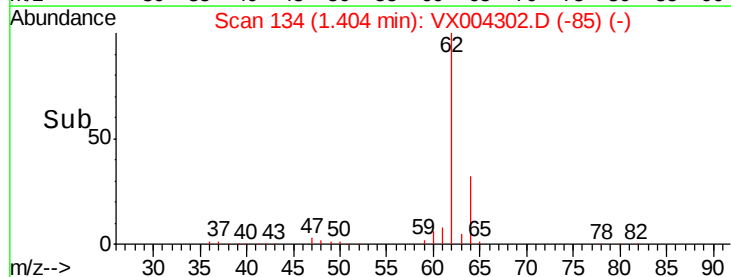


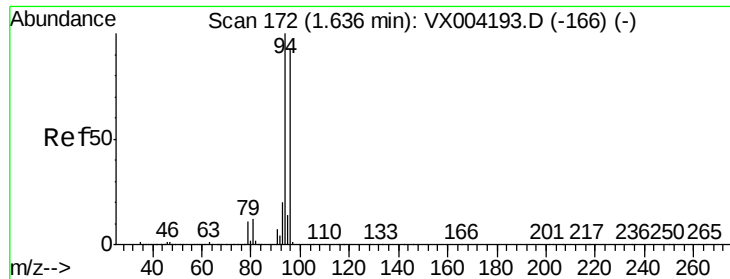
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 46.57 ug/l

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX004302.D

Acq: 29 Aug 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 90801

Ion Ratio Lower Upper

94 100

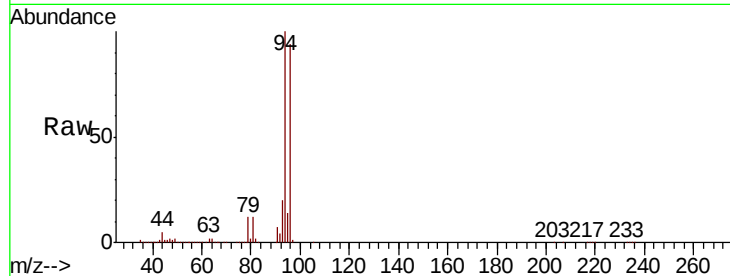
96 94.3 74.5 111.7

Manual Integrations

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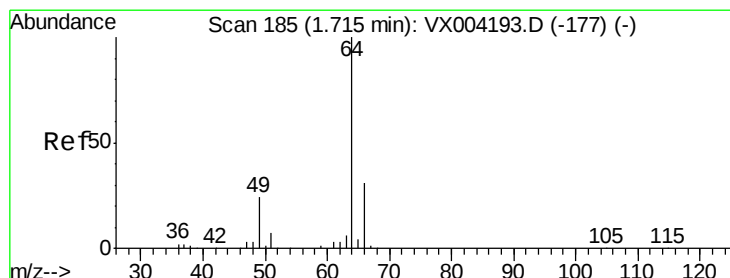
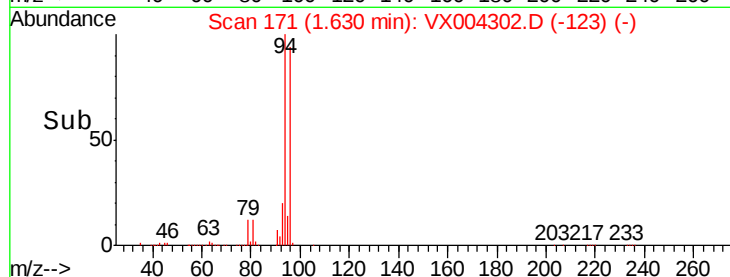
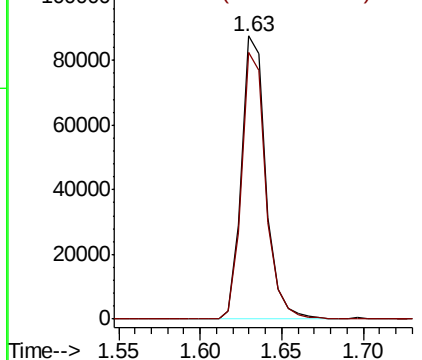
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 44.81 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX004302.D

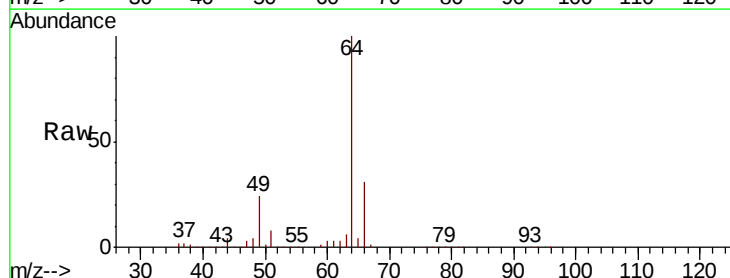
Acq: 29 Aug 2018 19:51

Tgt Ion: 64 Resp: 126053

Ion Ratio Lower Upper

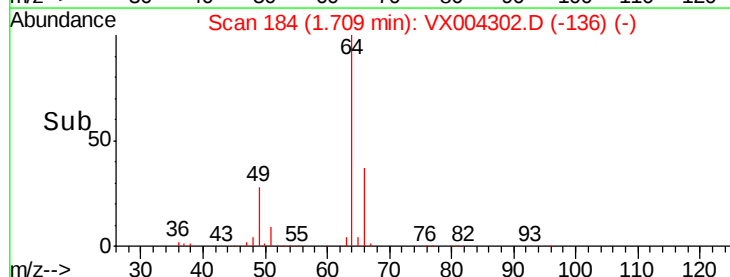
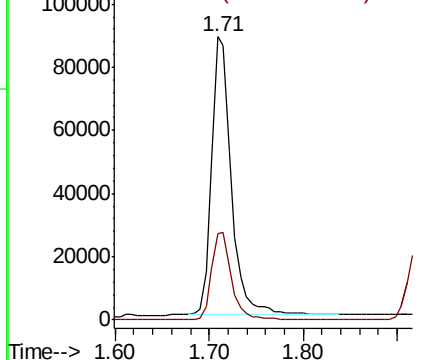
64 100

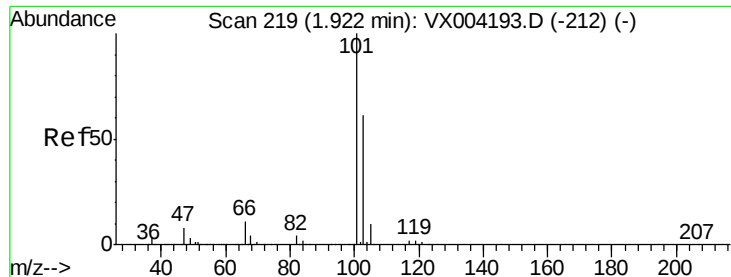
66 31.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

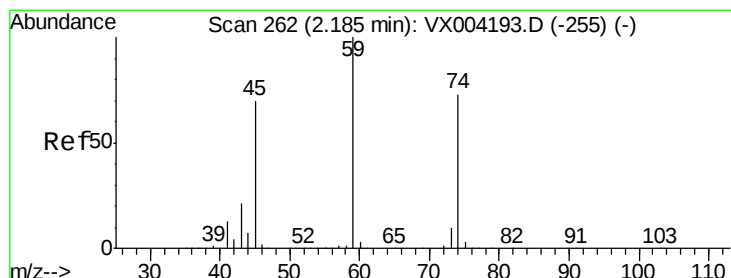
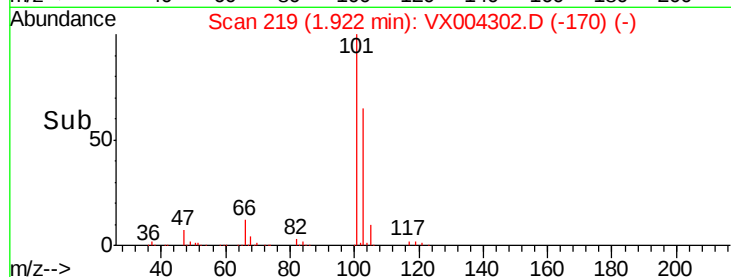
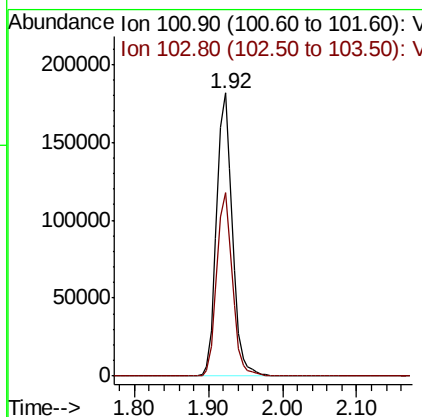
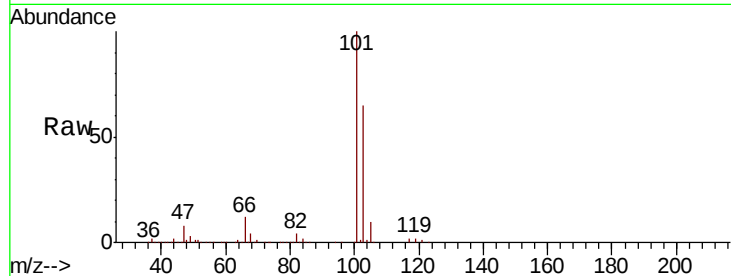
Trichlorofluoromethane
 Concen: 48.85 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VX004302.D
 Acq: 29 Aug 2018 19:51

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 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	264025		
103	64.8	48.9	73.3	

Manual Integrations
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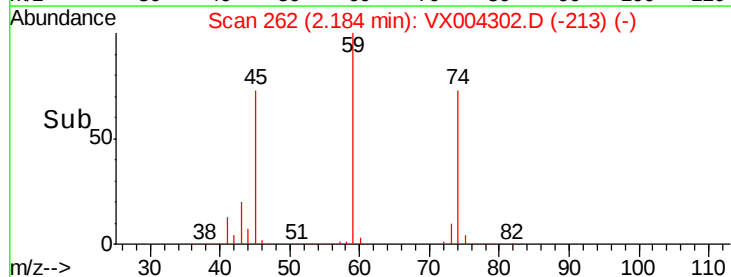
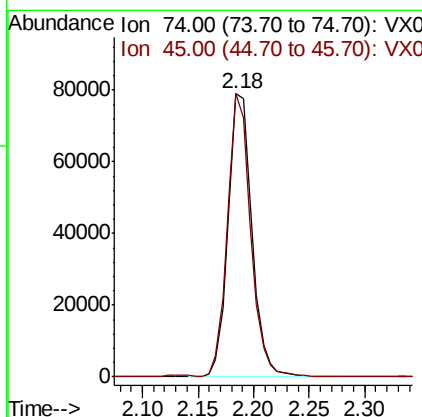
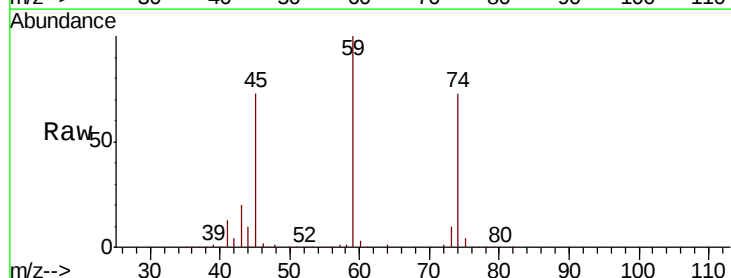
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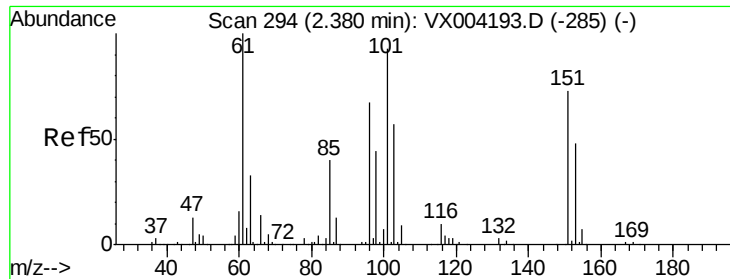


#8

Diethyl Ether
 Concen: 50.69 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004302.D
 Acq: 29 Aug 2018 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	117308		
45	96.6	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.39 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004302.D

Acq: 29 Aug 2018 19:51

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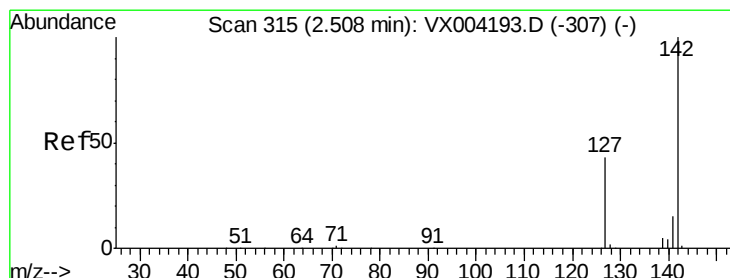
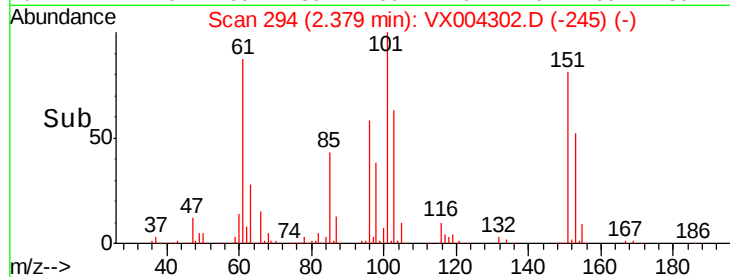
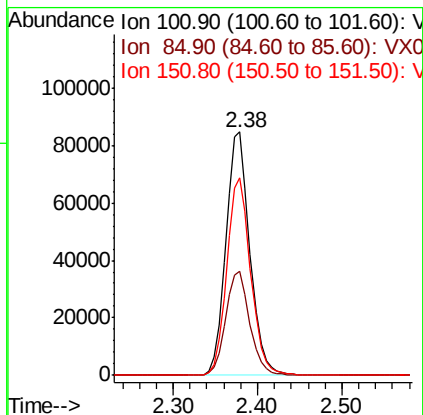
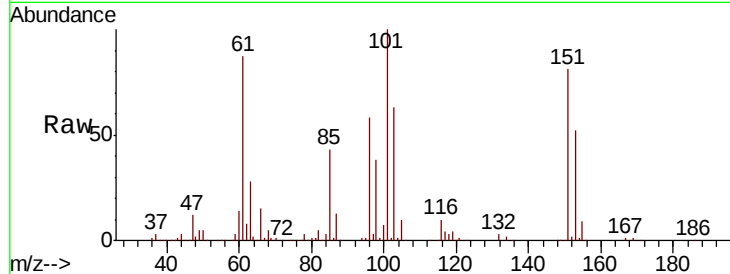
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	163819
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.2	51.4
151	81.0	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 46.40 ug/l

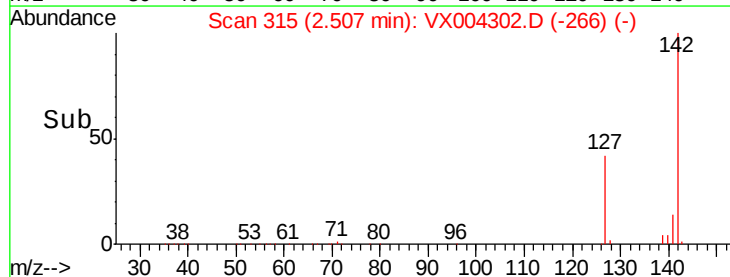
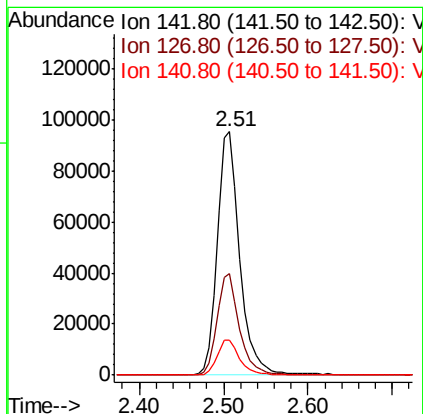
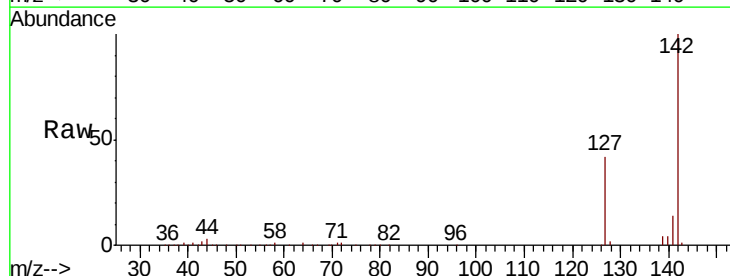
RT: 2.51 min Scan# 315

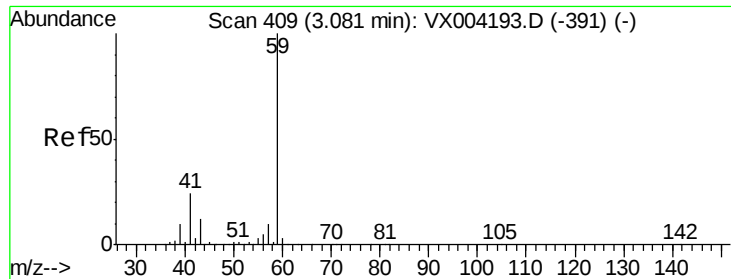
Delta R.T. 0.00 min

Lab File: VX004302.D

Acq: 29 Aug 2018 19:51

Tgt Ion:	142	Resp:	175951
Ion Ratio	Lower	Upper	
142	100		
127	41.1	33.8	50.6
141	14.3	11.4	17.0





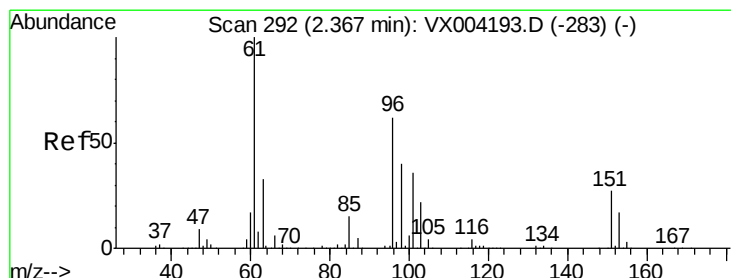
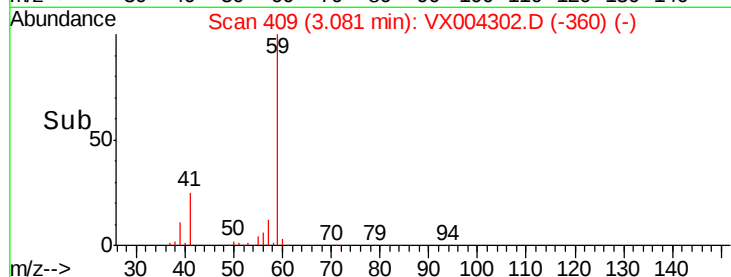
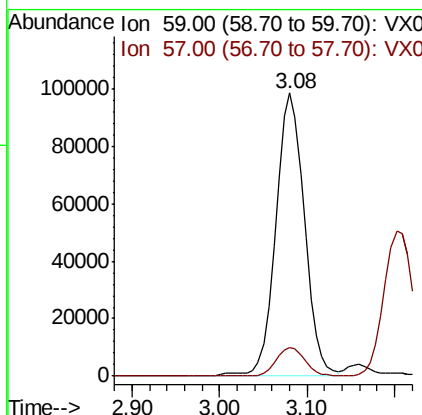
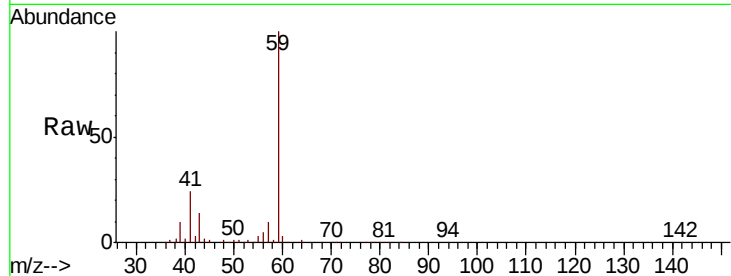
#11
Tert butyl alcohol
Concen: 269.33 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	225229
Ion Ratio	100	Lower	Upper
57	10.2	8.2	12.4

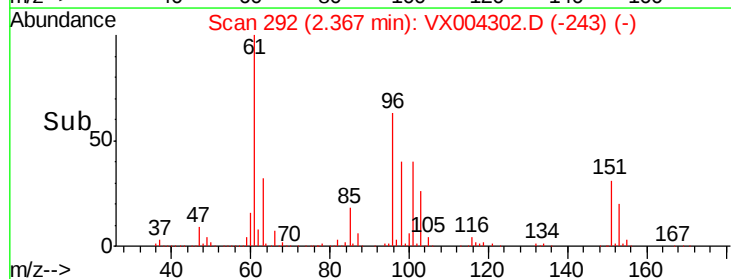
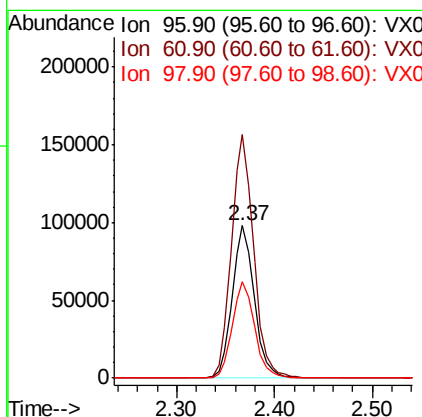
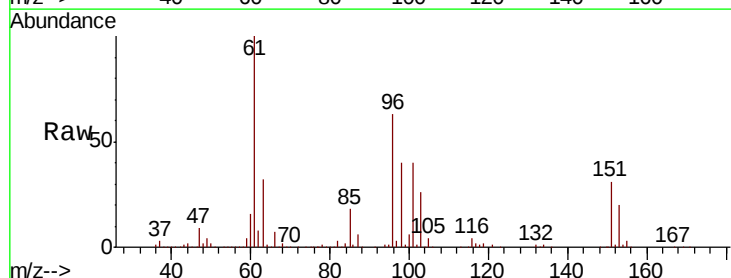
Manual Integrations
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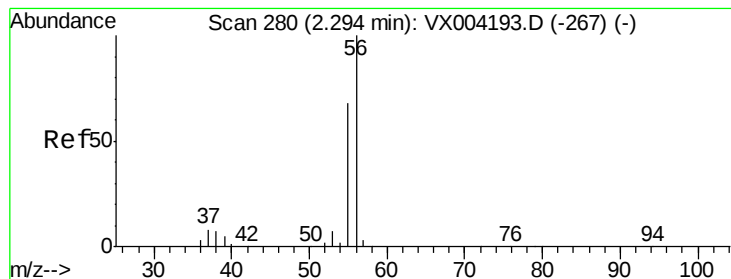
MMDadoda
8/30/2018 1:38:37 PM



#12
1,1-Dichloroethene
Concen: 48.11 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.00 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Tgt Ion	96	Resp	153423
Ion Ratio	100	Lower	Upper
61	159.9	128.8	193.2
98	63.4	52.2	78.2





#13

Acrolein

Concen: 250.50 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004302.D

Acq: 29 Aug 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 50505

Ion Ratio Lower Upper

56 100

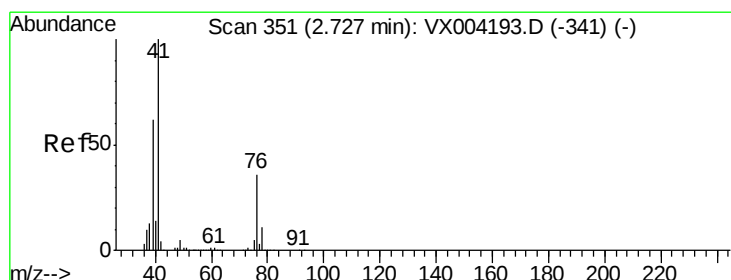
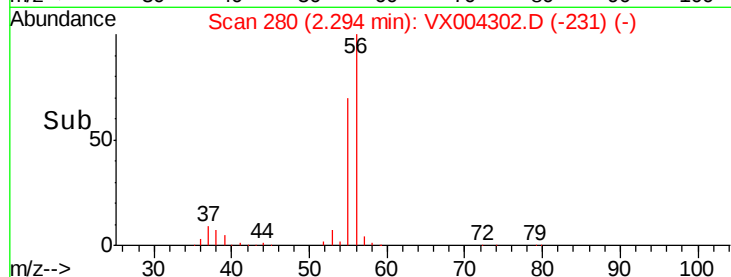
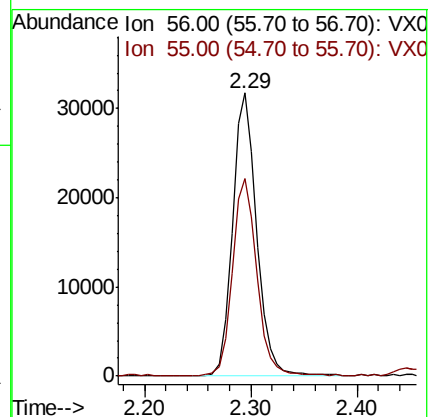
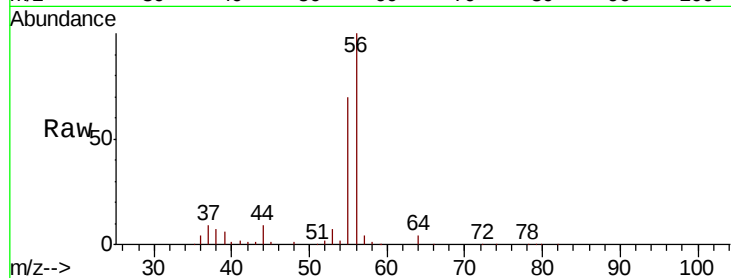
55 70.1 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 50.15 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX004302.D

Acq: 29 Aug 2018 19:51

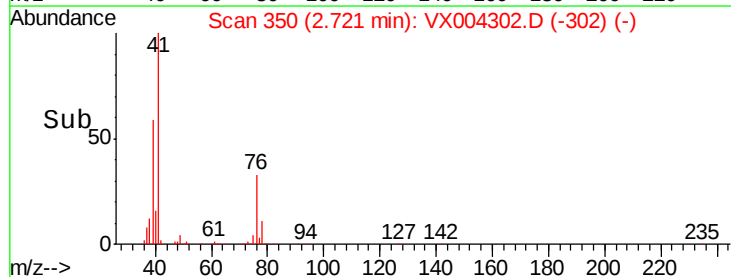
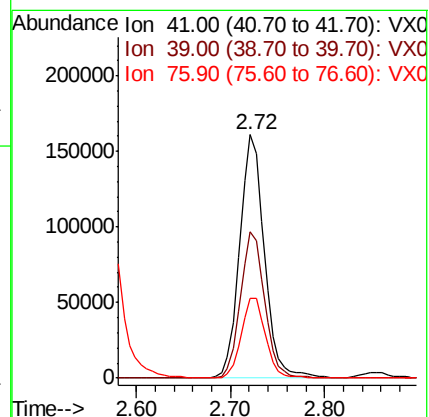
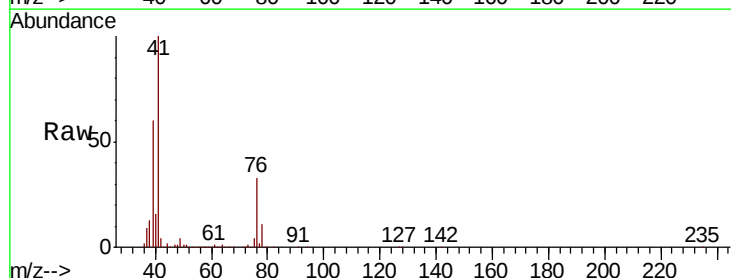
Tgt Ion: 41 Resp: 293805

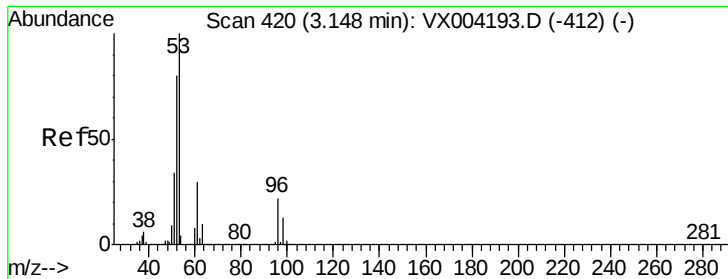
Ion Ratio Lower Upper

41 100

39 58.7 48.9 73.3

76 32.6 26.7 40.1





#15

Acrylonitrile

Concen: 257.07 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004302.D

Acq: 29 Aug 2018 19:51

Instrument :

MSVOA_X

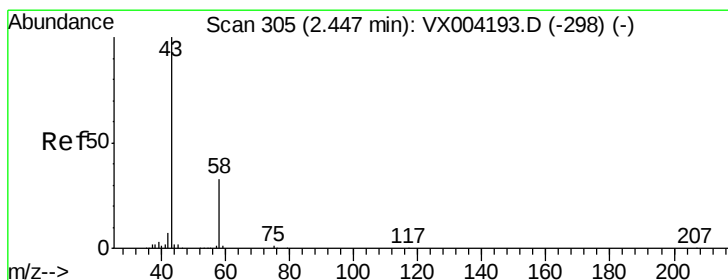
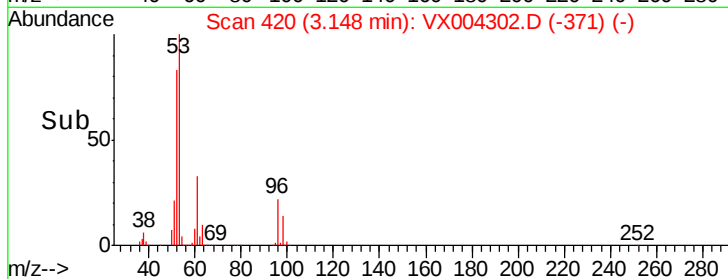
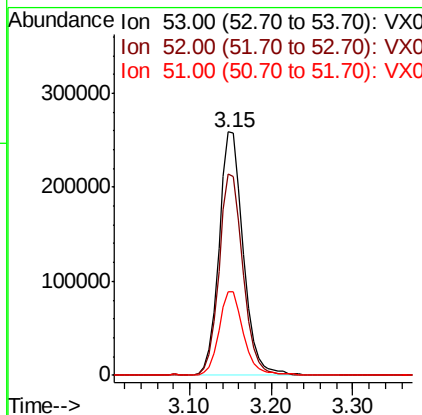
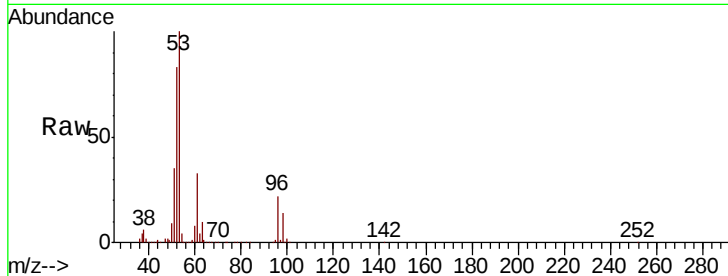
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	532403
Ion Ratio	Lower	Upper	
53	100		
52	82.2	65.2	97.8
51	35.1	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 272.48 ug/l

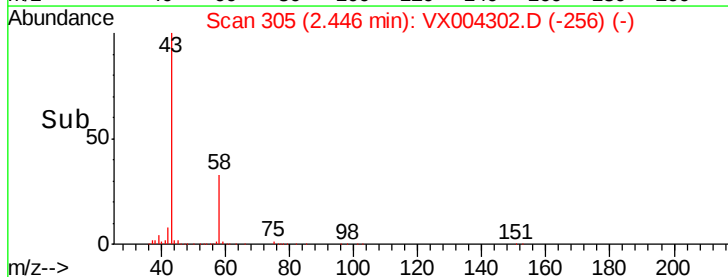
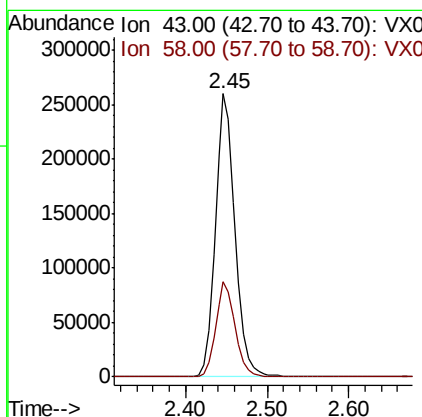
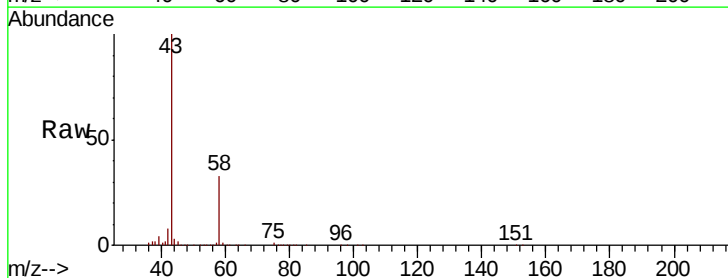
RT: 2.45 min Scan# 305

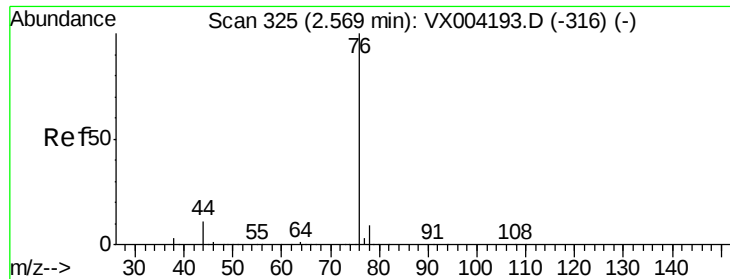
Delta R.T. 0.00 min

Lab File: VX004302.D

Acq: 29 Aug 2018 19:51

Tgt Ion:	43	Resp:	435212
Ion Ratio	Lower	Upper	
43	100		
58	33.5	26.2	39.4





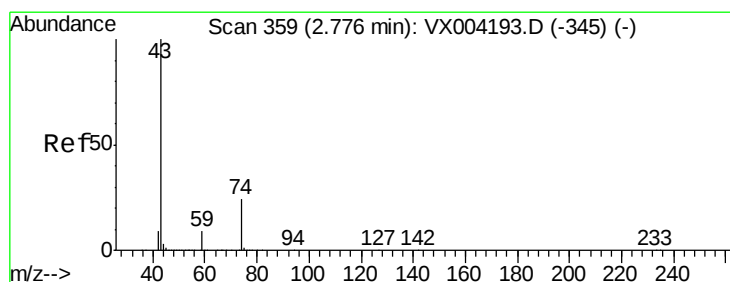
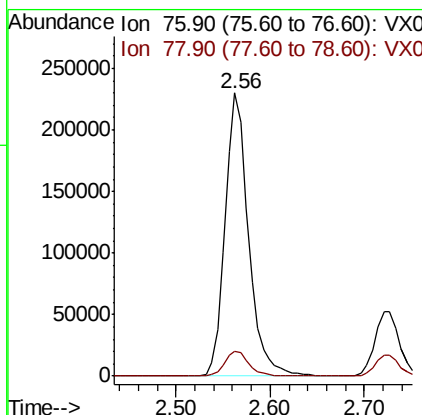
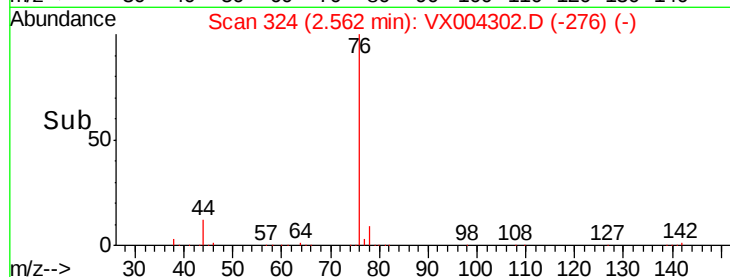
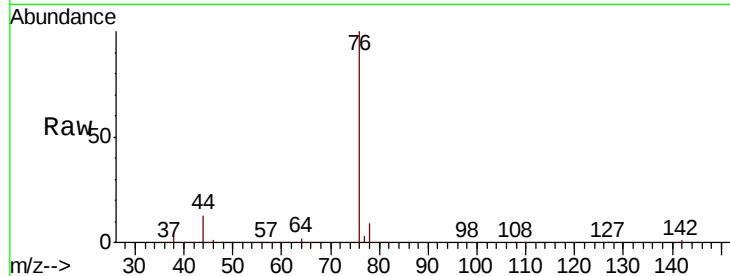
#17
Carbon Disulfide
Concen: 44.93 ug/l
RT: 2.56 min Scan# 324
Delta R.T. -0.01 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

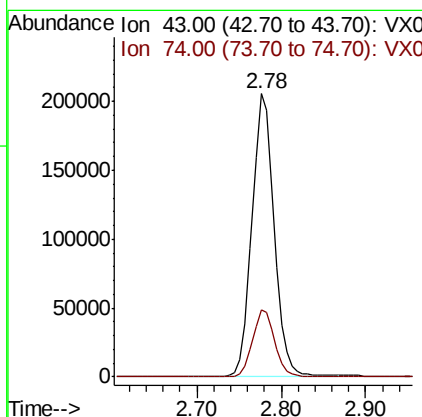
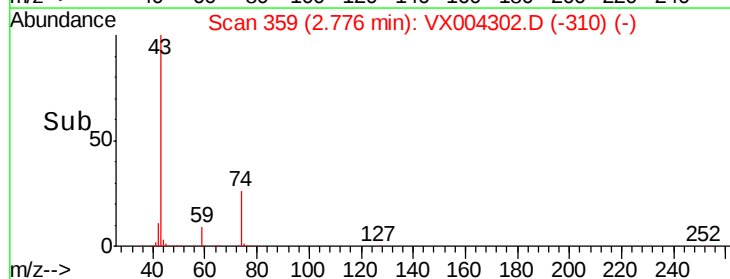
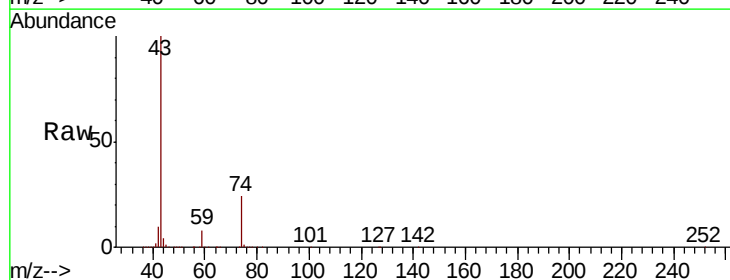
Manual Integrations
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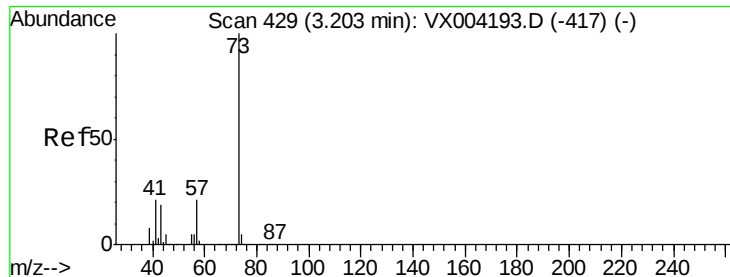
MMDadoda
8/30/2018 1:38:37 PM



#18
Methyl Acetate
Concen: 62.83 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.00 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.4	29.2





#19

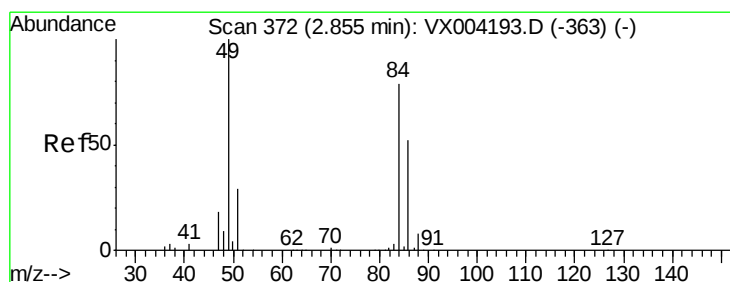
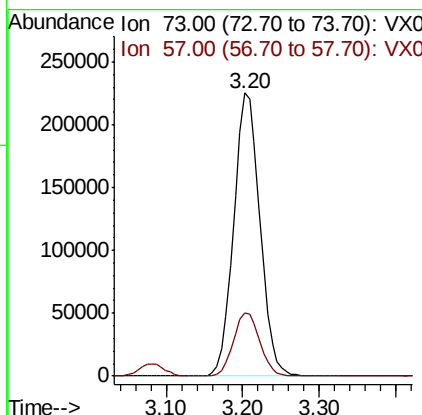
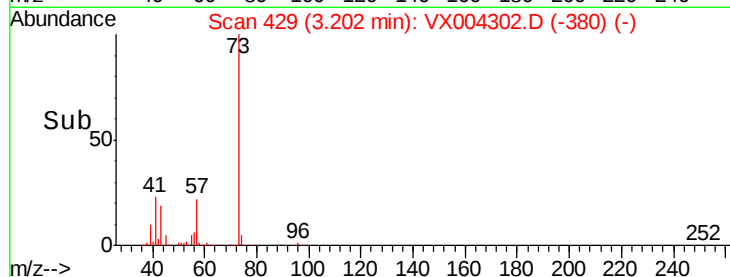
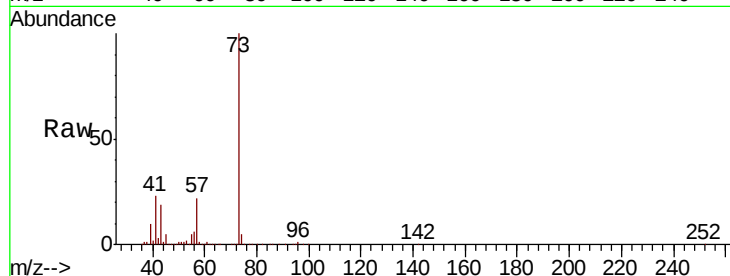
Methyl tert-butyl Ether
 Concen: 50.80 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: VX004302.D
 Acq: 29 Aug 2018 19:51

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.1	25.7

Manual Integrations
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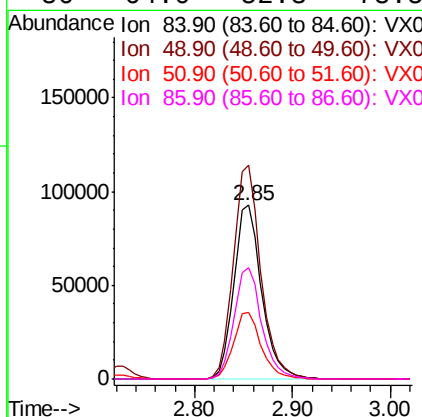
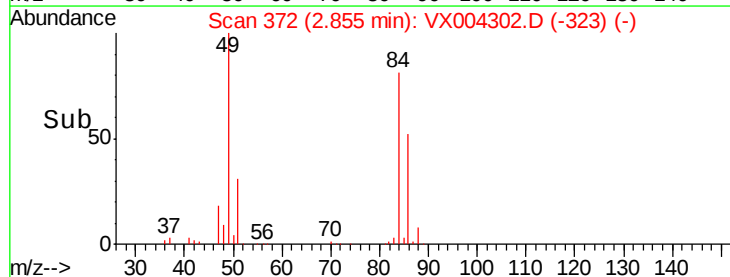
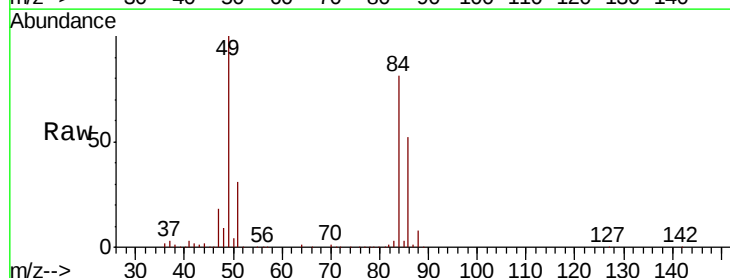
MMDadoda
 8/30/2018 1:38:37 PM

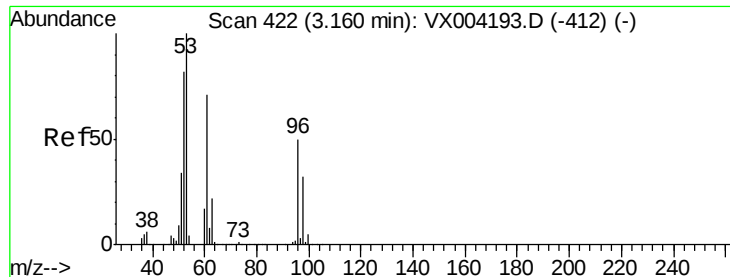


#20

Methylene Chloride
 Concen: 48.43 ug/l
 RT: 2.85 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VX004302.D
 Acq: 29 Aug 2018 19:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.8	101.2	151.8
51	38.2	29.5	44.3
86	64.0	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 47.13 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004302.D

Acq: 29 Aug 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 166326

Ion Ratio Lower Upper

96 100

61 135.6 113.8 170.6

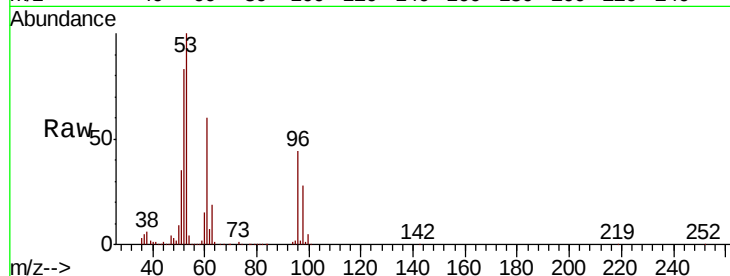
98 64.3 51.8 77.8

Manual Integrations

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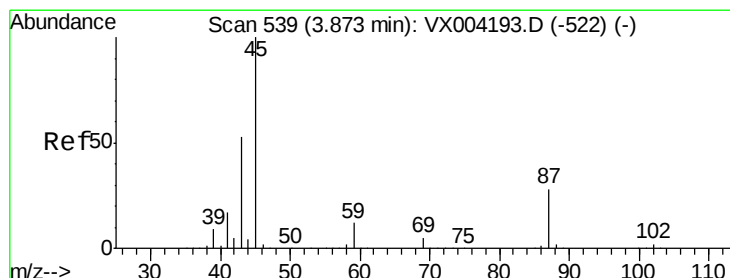
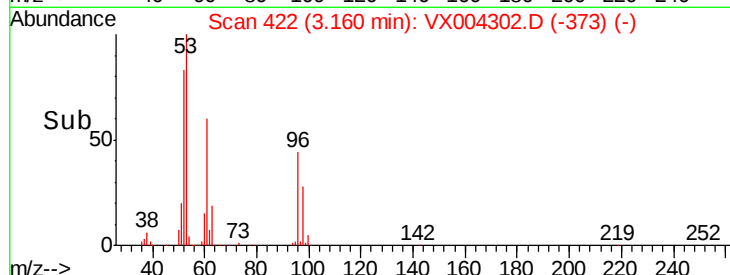
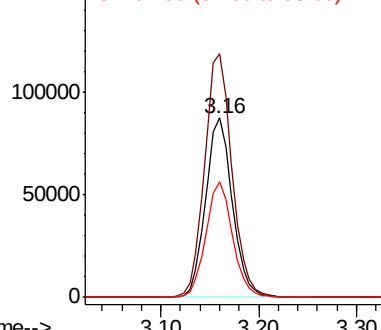


Abundance

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: 49.42 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX004302.D

Acq: 29 Aug 2018 19:51

Tgt Ion: 45 Resp: 540627

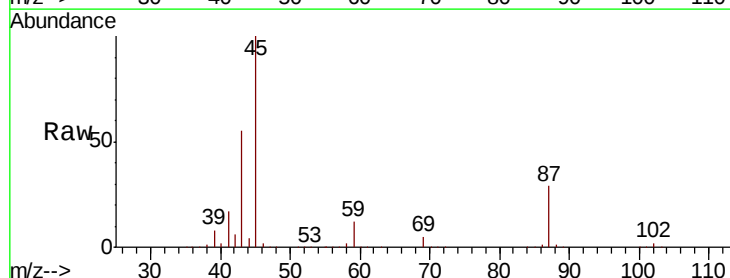
Ion Ratio Lower Upper

45 100

43 54.5 42.8 64.2

87 28.9 22.6 34.0

59 12.2 9.6 14.4



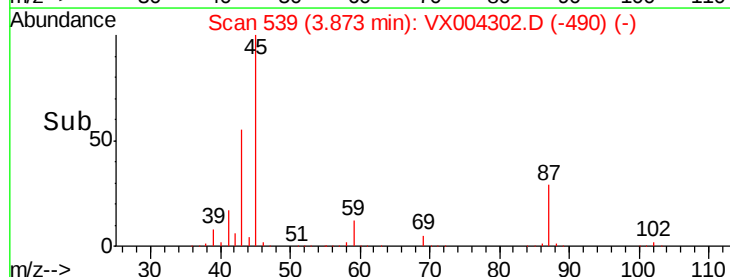
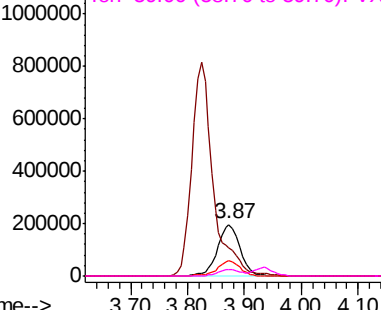
Abundance

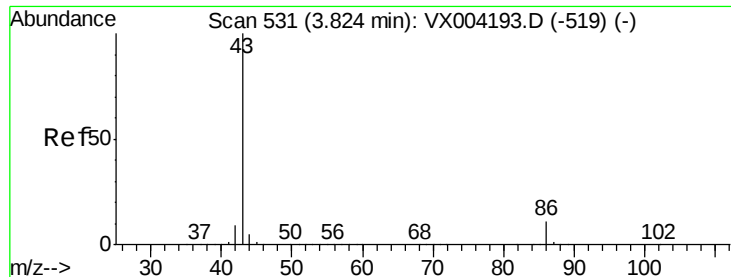
Ion 45.00 (44.70 to 45.70): VX0

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: 240.55 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX004302.D

Acq: 29 Aug 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2132639

Ion Ratio Lower Upper

43 100

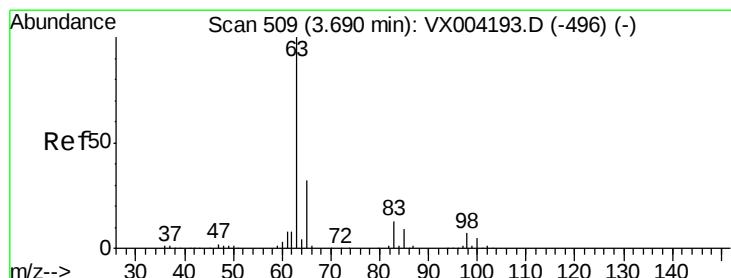
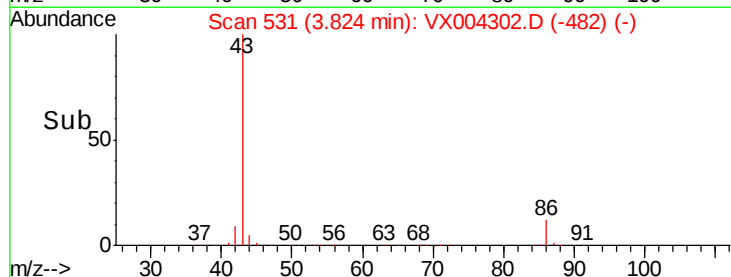
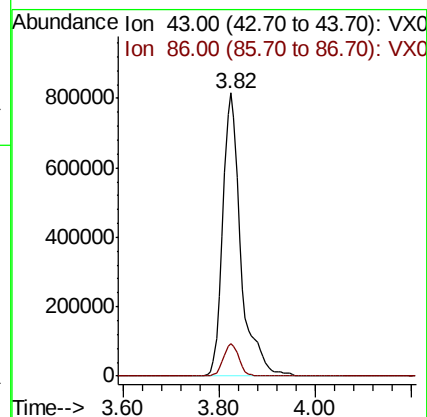
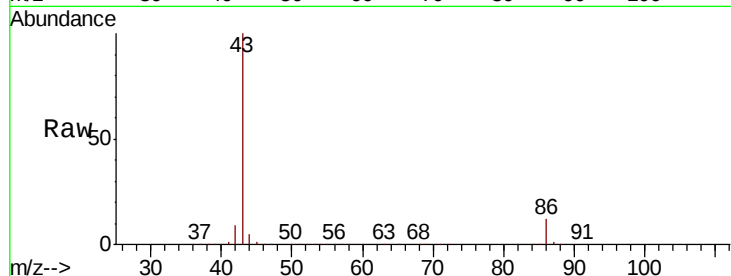
86 11.7 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.83 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.00 min

Lab File: VX004302.D

Acq: 29 Aug 2018 19:51

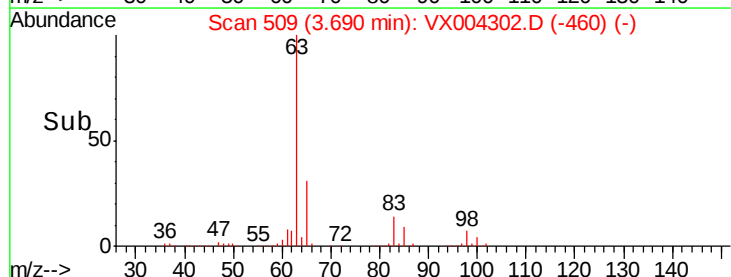
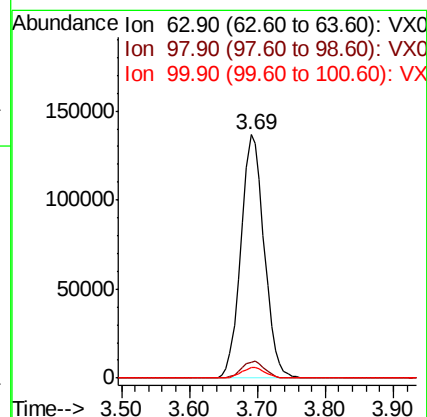
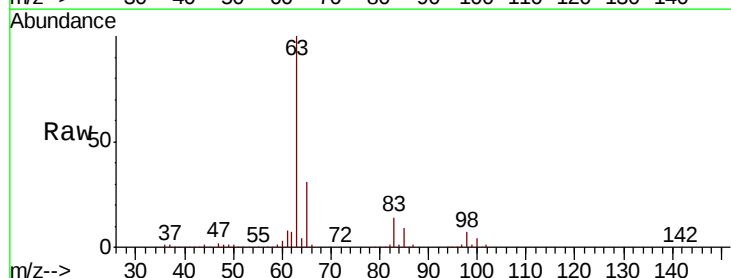
Tgt Ion: 63 Resp: 324033

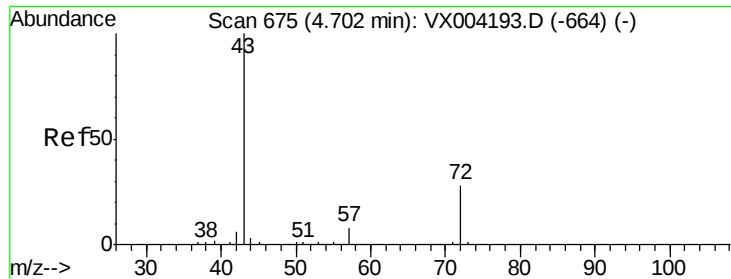
Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

100 4.2 2.4 7.1





#25

2-Butanone

Concen: 265.36 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX004302.D

Acq: 29 Aug 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 697103

Ion Ratio Lower Upper

43 100

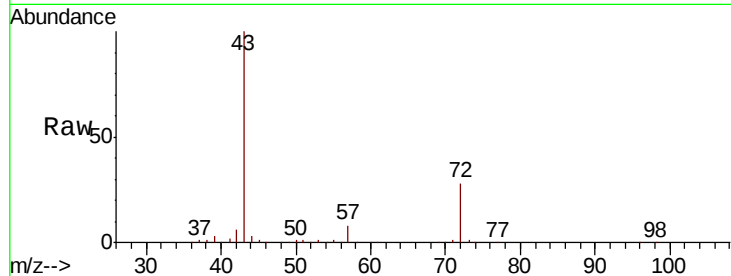
72 27.7 22.0 33.0

Manual Integrations

APPROVED

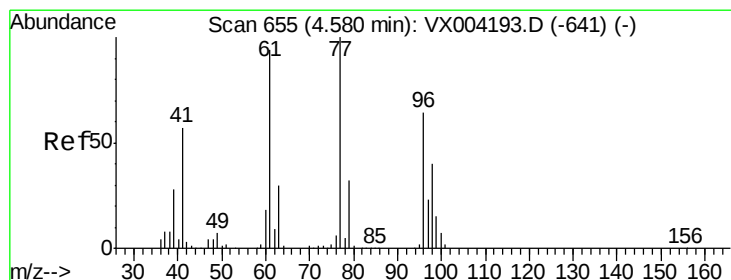
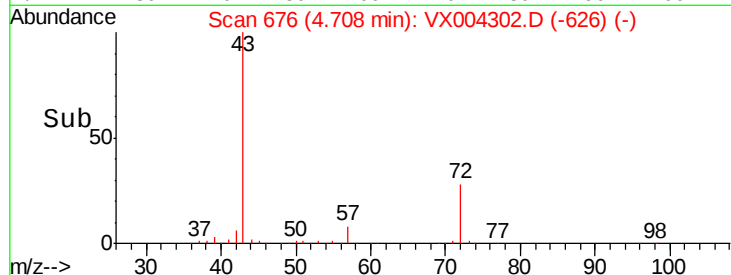
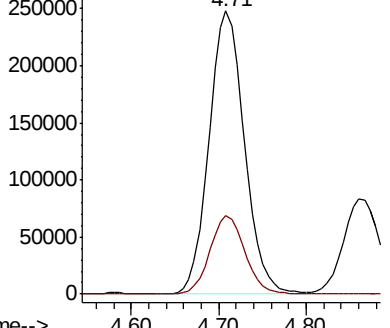
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 42.17 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004302.D

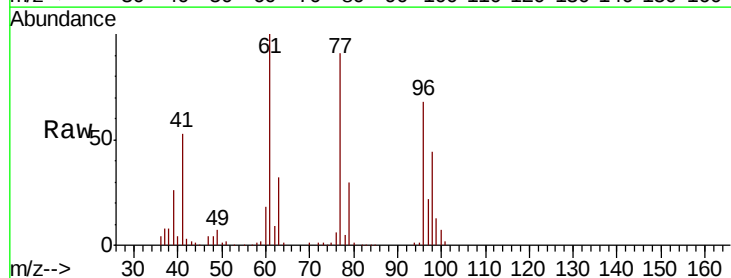
Acq: 29 Aug 2018 19:51

Tgt Ion: 77 Resp: 210832

Ion Ratio Lower Upper

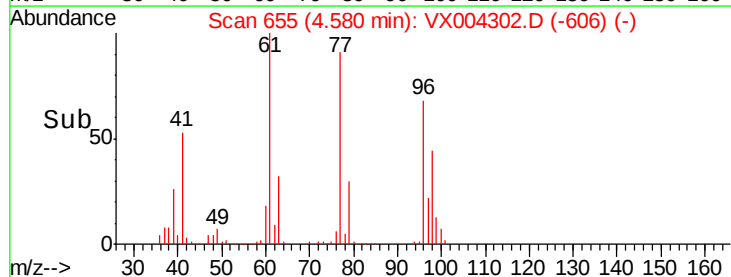
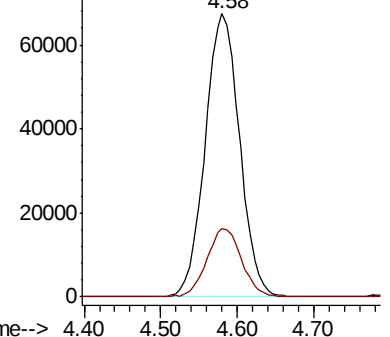
77 100

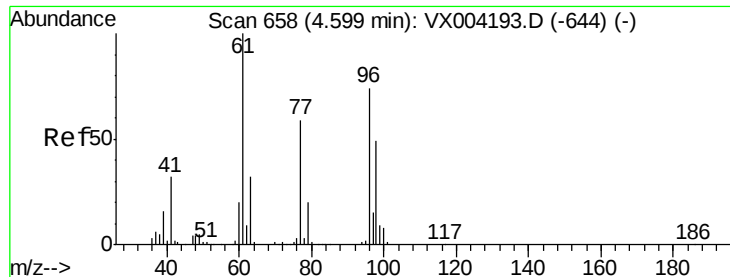
97 24.3 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

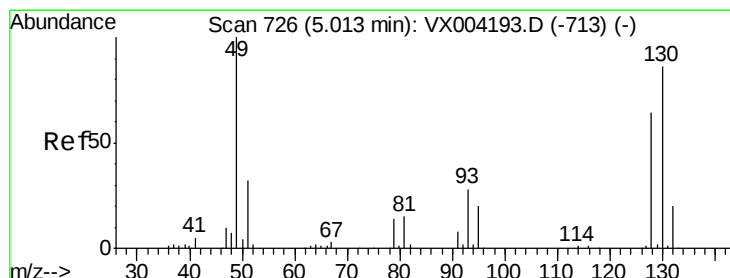
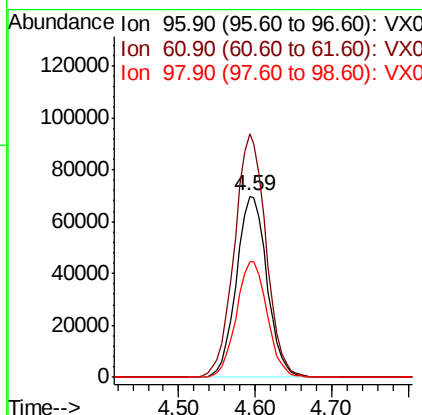
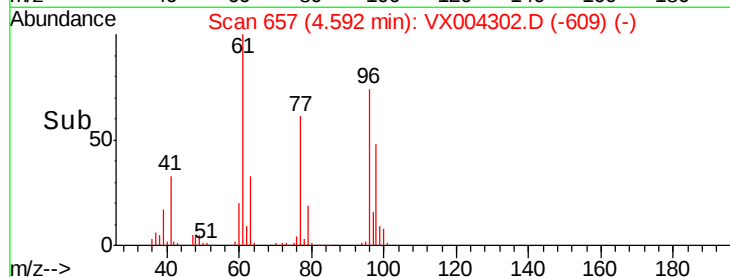
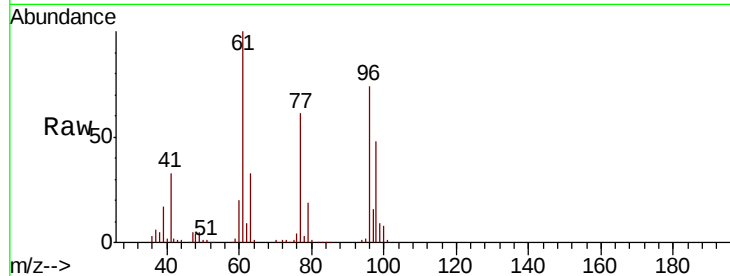
cis-1,2-Dichloroethene
Concen: 48.37 ug/l
RT: 4.59 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	193637		
61	138.7	0.0	282.6	
98	64.5	0.0	130.2	

Manual Integrations
APPROVED

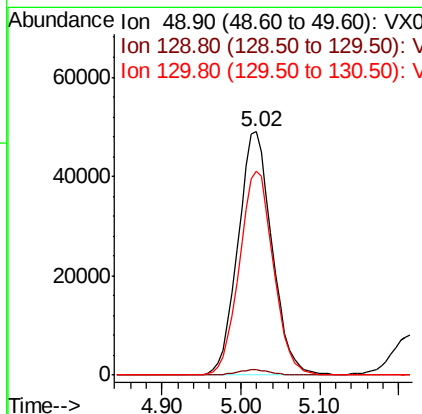
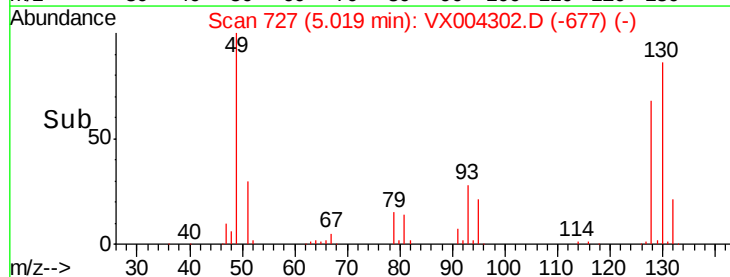
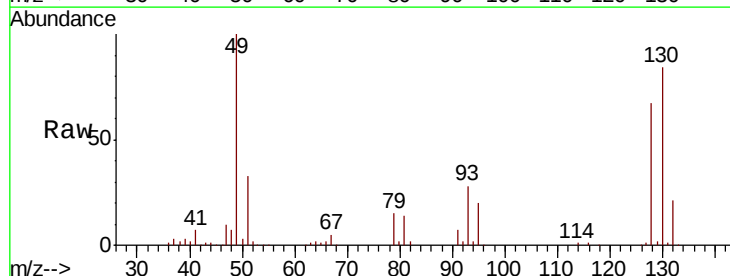
MMDadoda
8/30/2018 1:38:37 PM

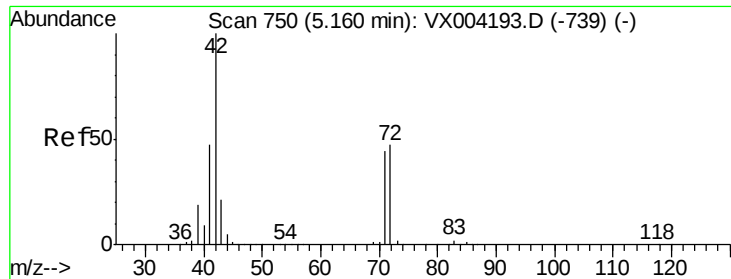


#28

Bromochloromethane
Concen: 52.05 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	146902		
129	2.1	0.0	4.2	
130	83.8	67.5	101.3	





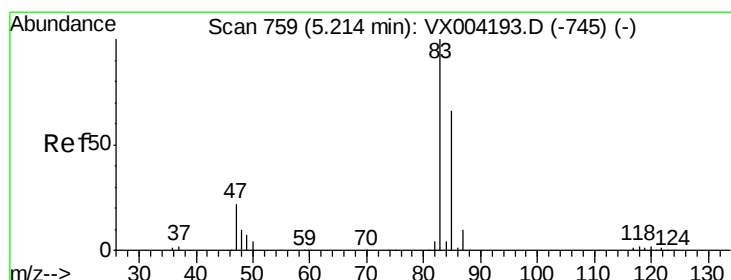
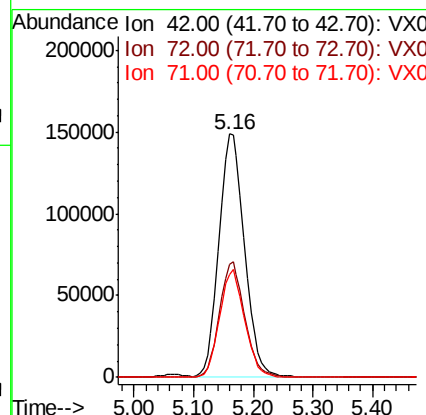
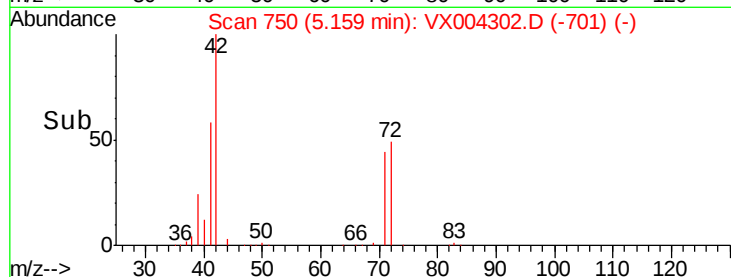
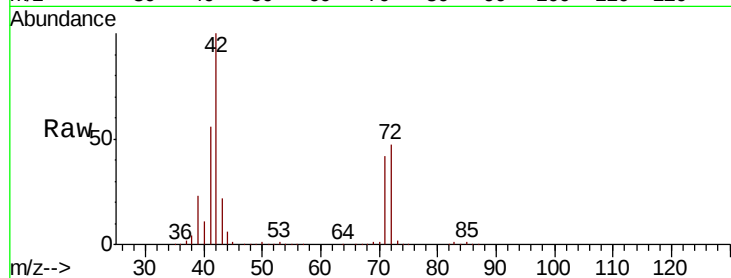
#29
Tetrahydrofuran
Concen: 262.04 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.00 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.4	56.0
71	43.5	34.5	51.7

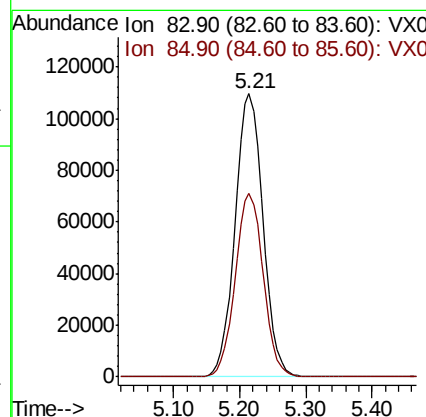
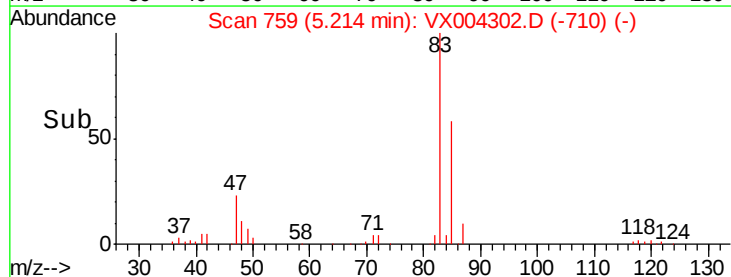
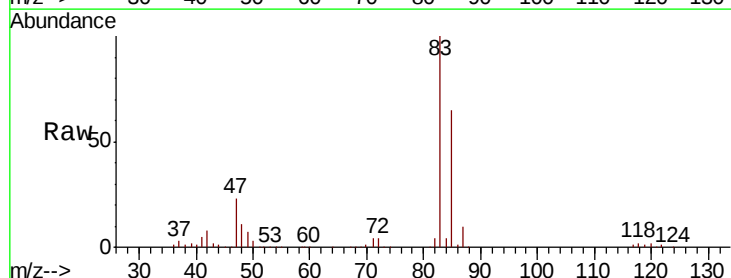
Manual Integrations
APPROVED

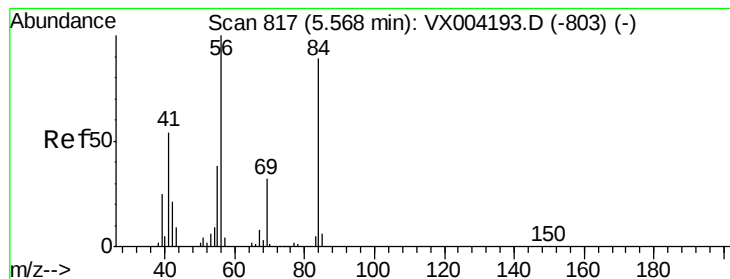
MMDadoda
8/30/2018 1:38:37 PM



#30
Chloroform
Concen: 50.21 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.6	79.0





#31

Cyclohexane

Concen: 48.02 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004302.D

Acq: 29 Aug 2018 19:51

Instrument :

MSVOA_X

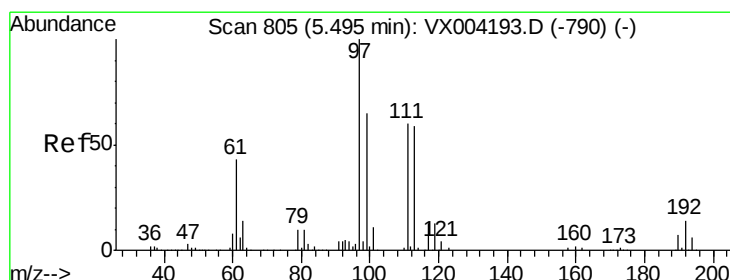
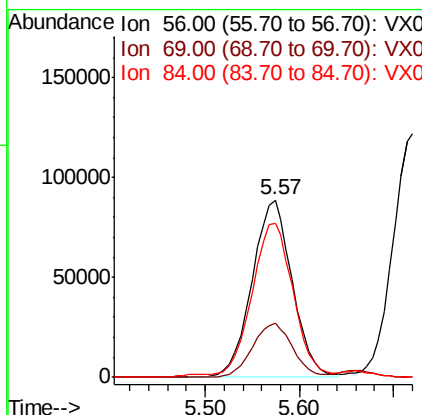
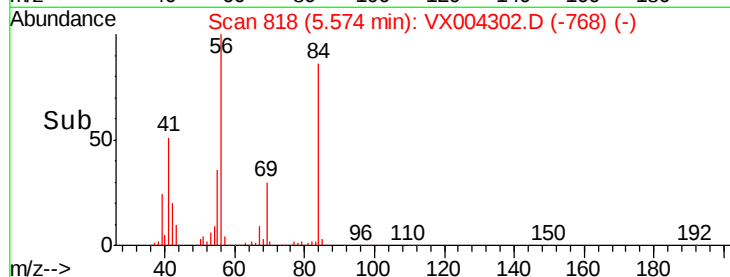
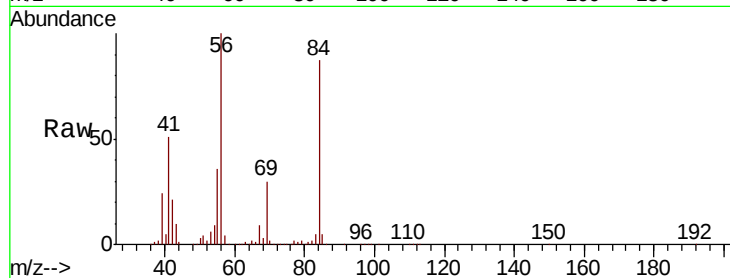
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	264122
Ion Ratio	Lower	Upper	
56	100		
69	30.2	25.4	38.2
84	85.2	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.35 ug/l

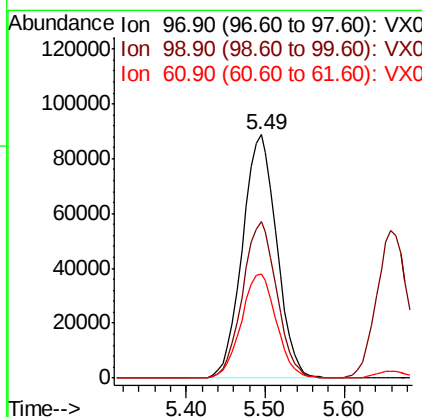
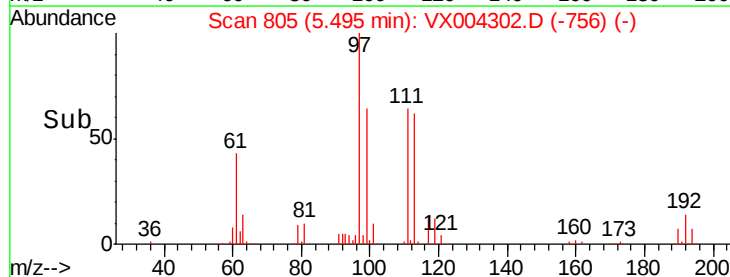
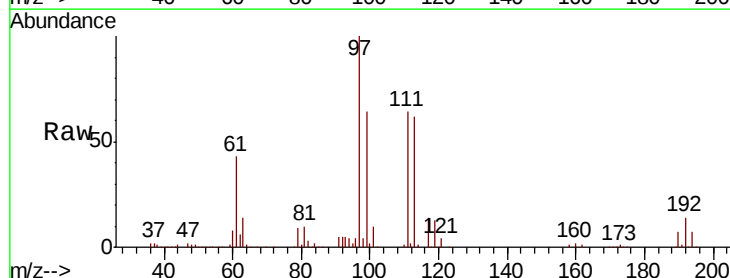
RT: 5.49 min Scan# 805

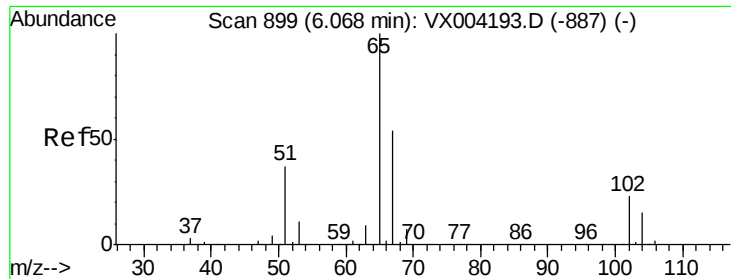
Delta R.T. -0.00 min

Lab File: VX004302.D

Acq: 29 Aug 2018 19:51

Tgt Ion:	97	Resp:	268340
Ion Ratio	Lower	Upper	
97	100		
99	64.1	52.0	78.0
61	43.9	34.9	52.3





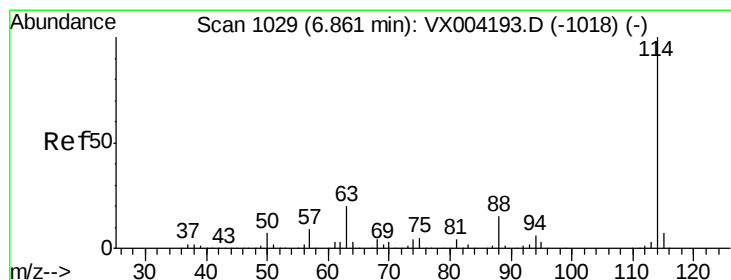
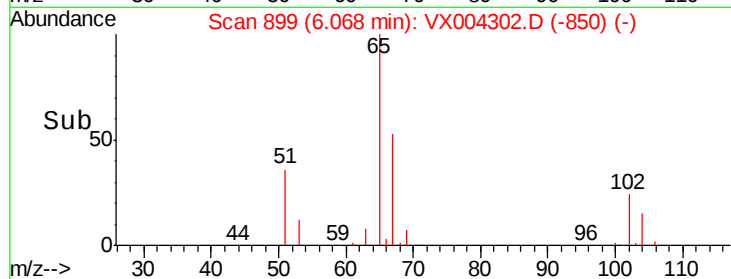
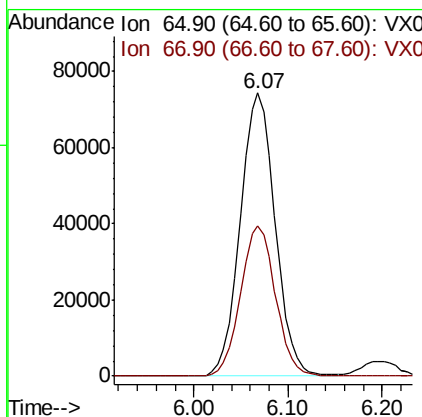
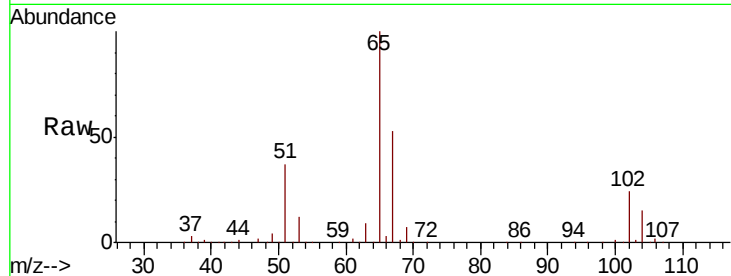
#33
 1,2-Dichloroethane-d4
 Concen: 49.20 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004302.D
 Acq: 29 Aug 2018 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.8

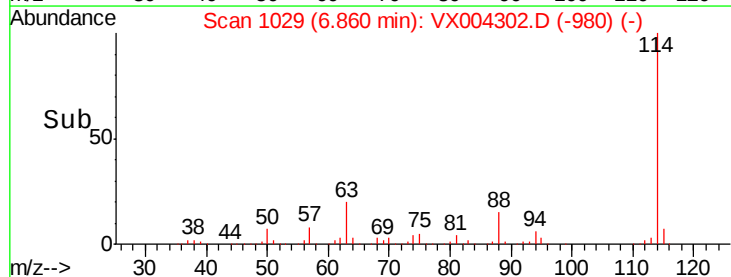
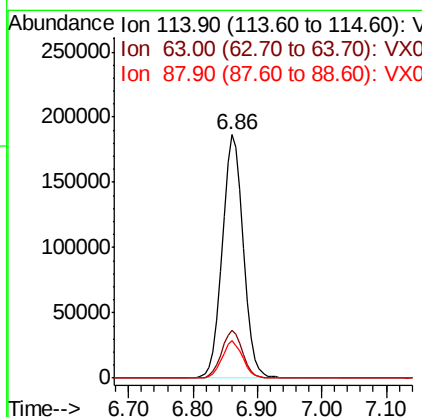
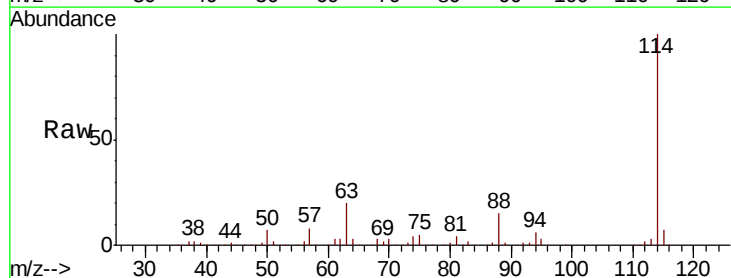
Manual Integrations
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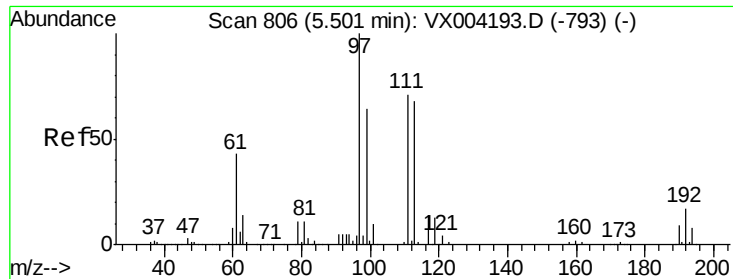
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 8/30/2018 1:38:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004302.D
 Acq: 29 Aug 2018 19:51

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.0
88	15.2	0.0	30.4





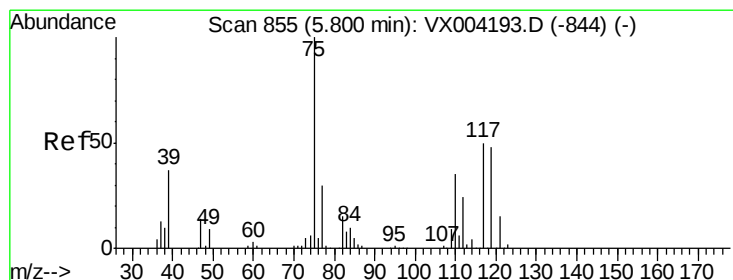
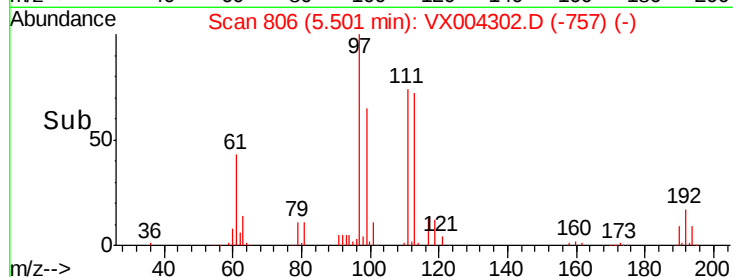
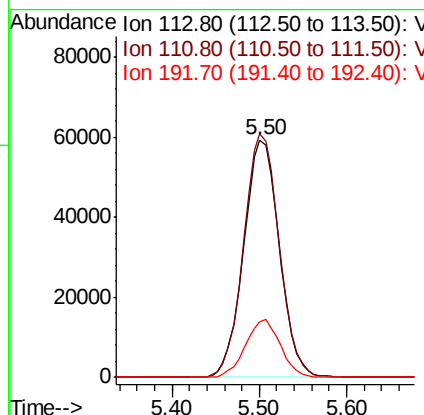
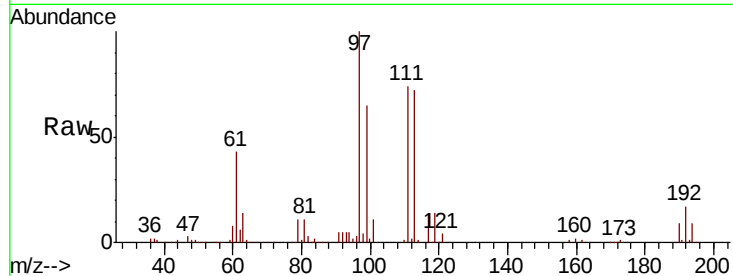
#35
 Dibromofluoromethane
 Concen: 52.40 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004302.D
 Acq: 29 Aug 2018 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	168207		
111	102.3	82.4	123.6	
192	23.8	19.4	29.2	

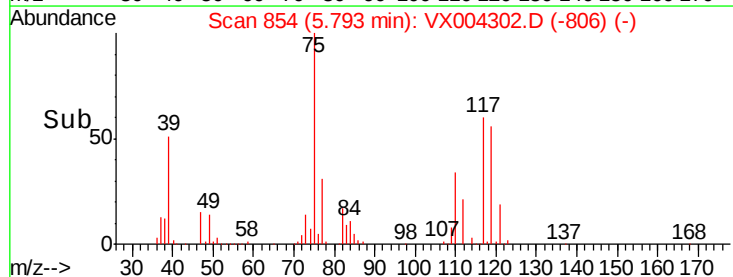
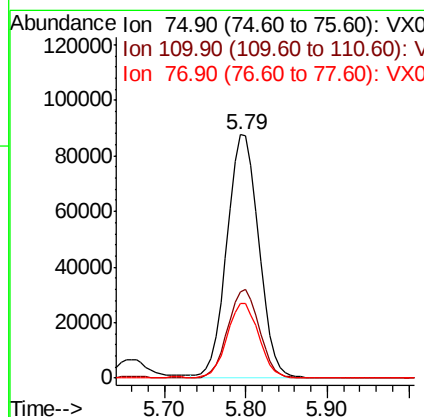
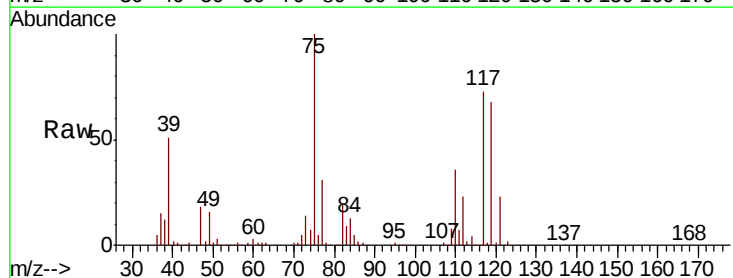
Manual Integrations
 APPROVED

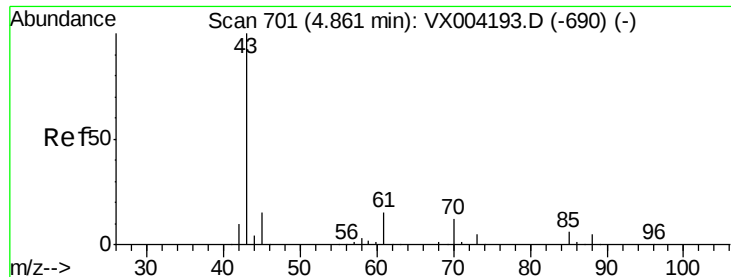
MMDadoda
 8/30/2018 1:38:37 PM



#36
 1,1-Dichloropropene
 Concen: 48.74 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX004302.D
 Acq: 29 Aug 2018 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	236453		
110	36.4	18.0	54.0	
77	30.7	24.6	36.8	





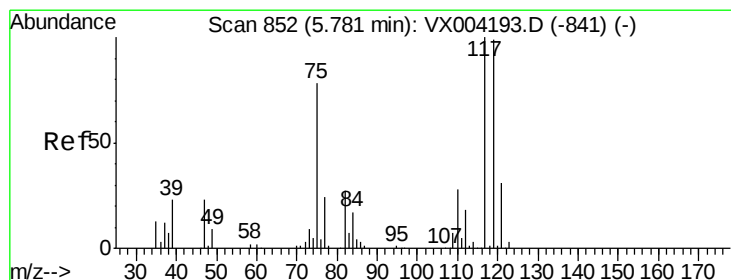
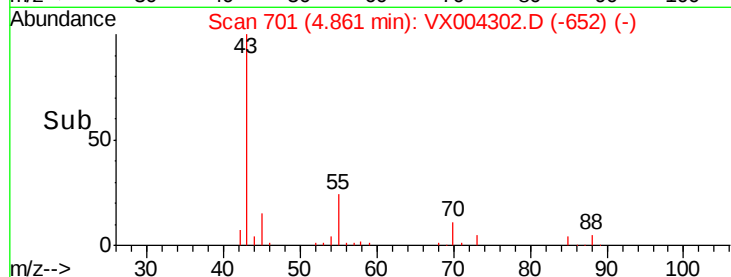
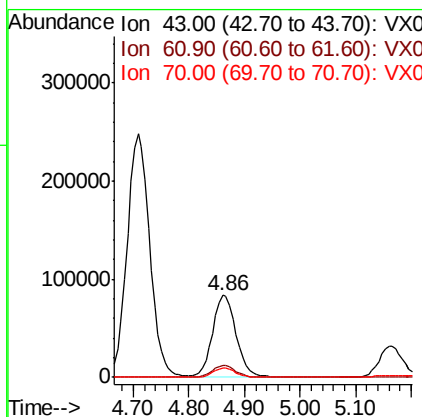
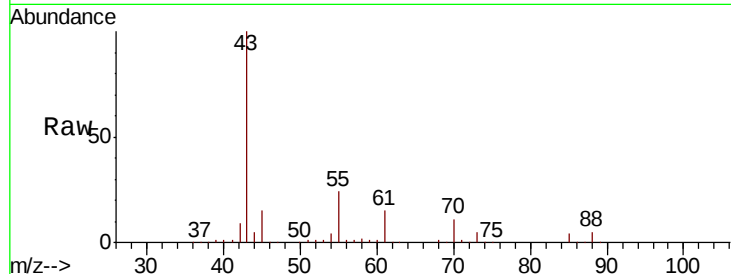
#37
Ethyl Acetate
Concen: 51.65 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.00 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	11.3	9.0	13.6

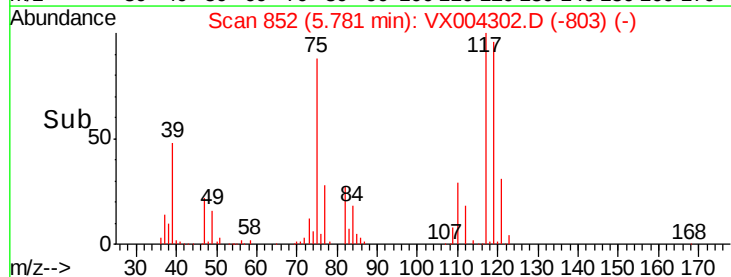
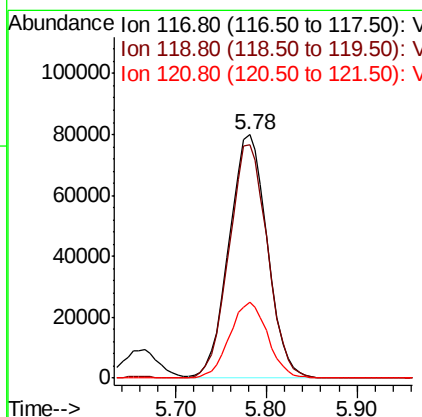
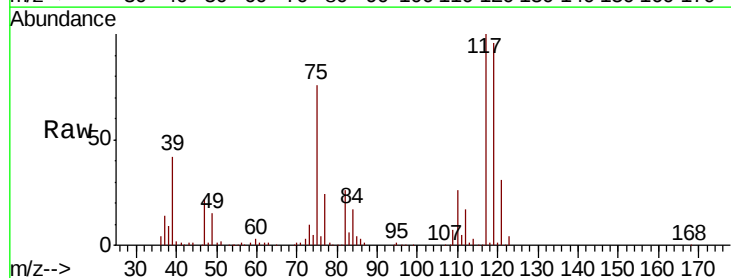
Manual Integrations
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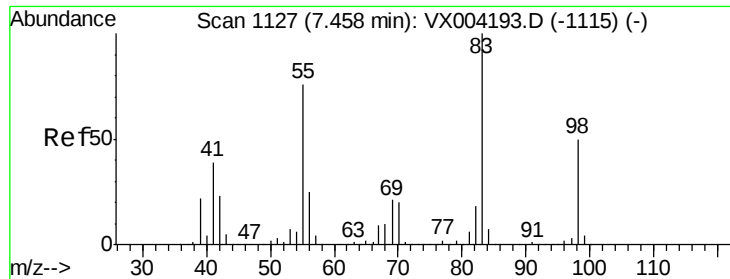
MMDadoda
8/30/2018 1:38:37 PM



#38
Carbon Tetrachloride
Concen: 51.18 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	78.8	118.2
121	31.3	24.9	37.3





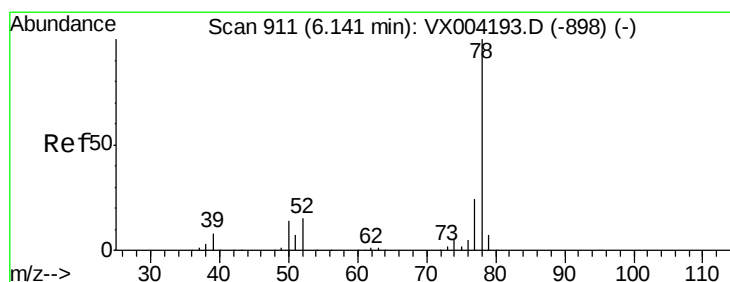
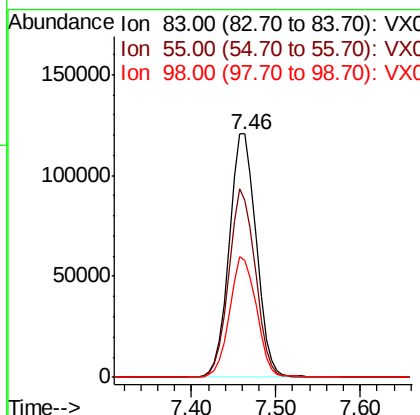
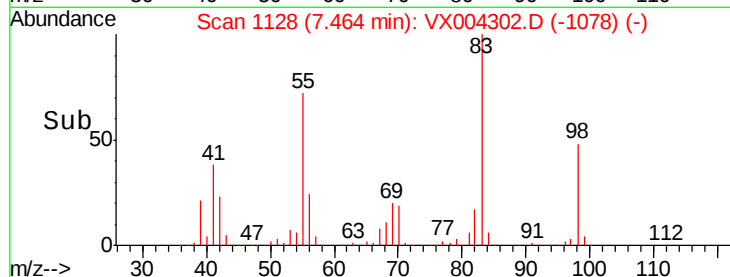
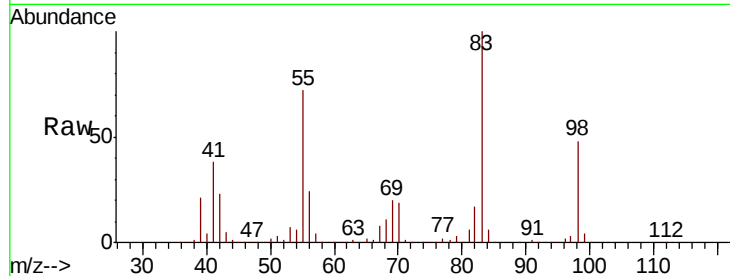
#39
Methvlcvclohexane
Concen: 47.64 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	263901		
55	72.5		61.0	91.4
98	48.3		39.6	59.4

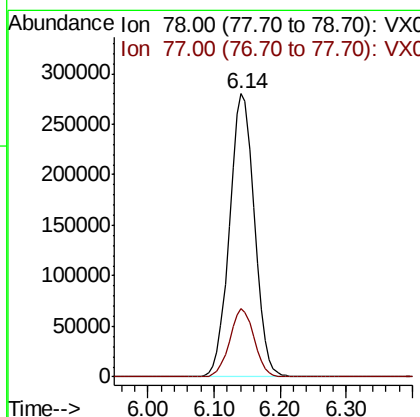
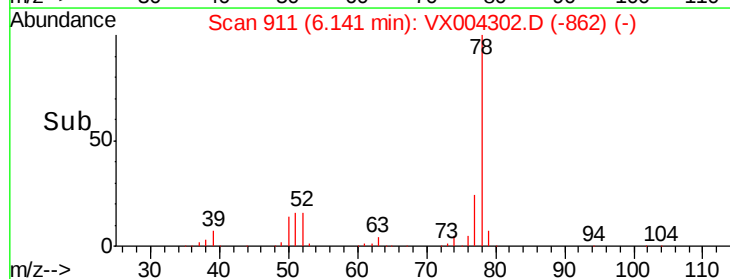
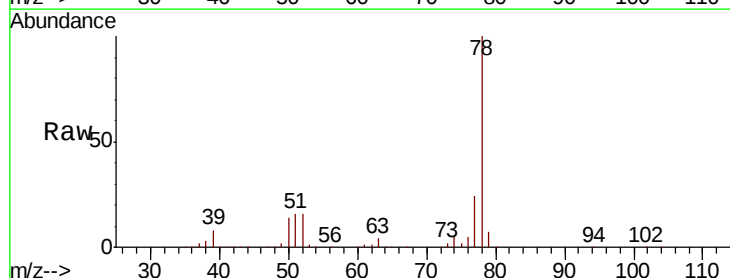
Manual Integrations
APPROVED

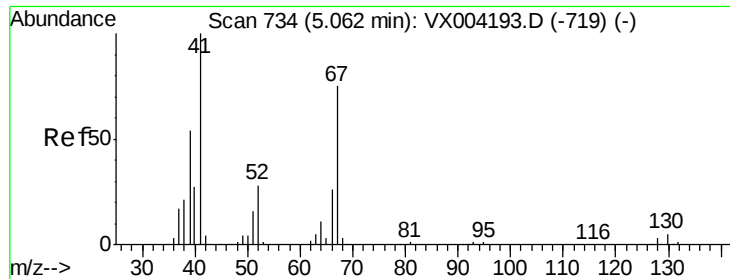
MMDadoda
8/30/2018 1:38:37 PM



#40
Benzene
Concen: 50.55 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	732859		
77	24.2		19.0	28.4





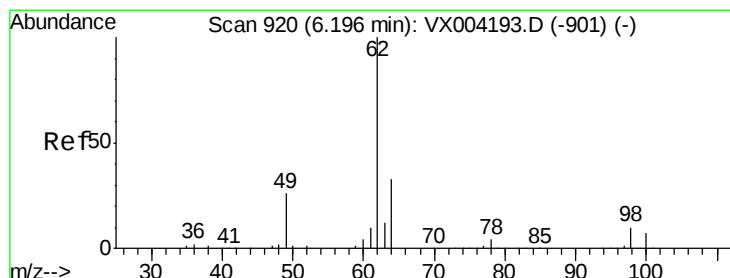
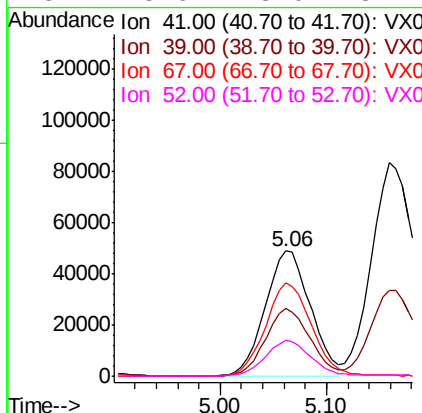
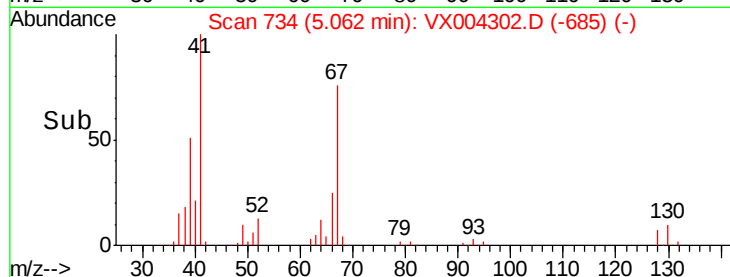
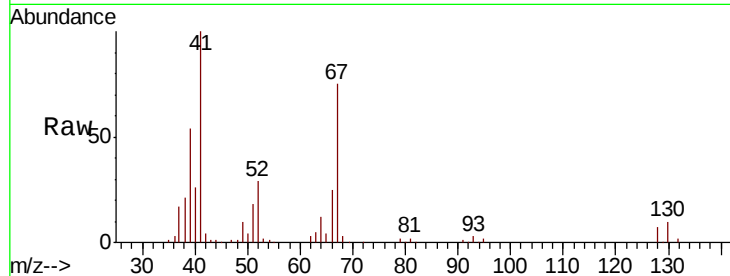
#41
Methacrylonitrile
Concen: 52.14 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.00 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.8	42.4	63.6	
67	75.8	59.2	88.8	
52	28.6	23.0	34.4	

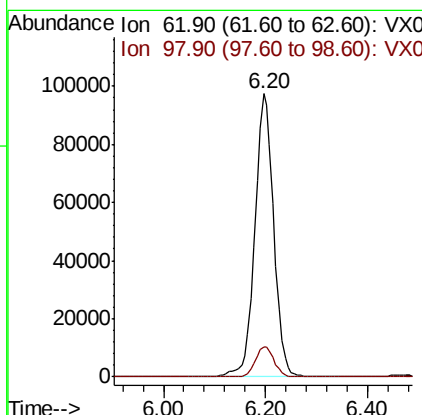
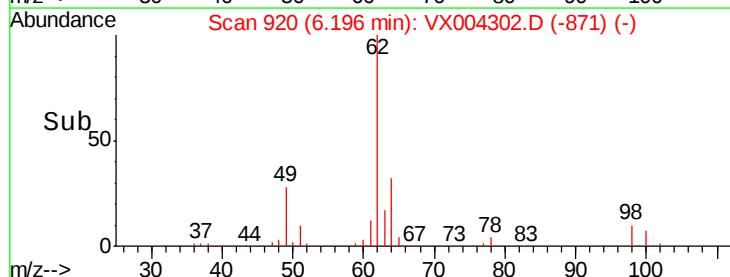
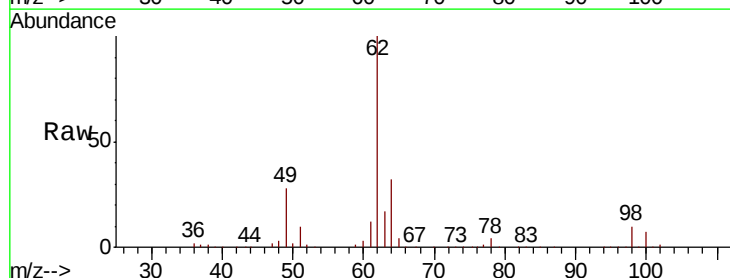
Manual Integrations
APPROVED

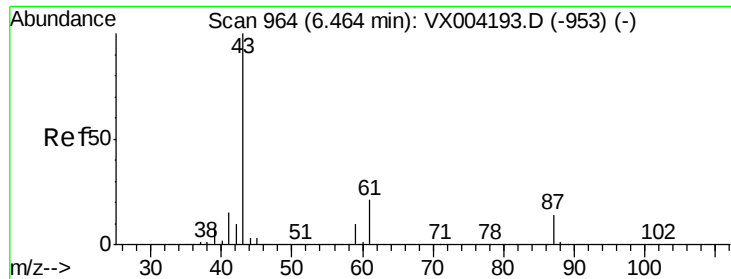
MMDadoda
8/30/2018 1:38:37 PM



#42
1,2-Dichloroethane
Concen: 50.49 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	20.6	





#43

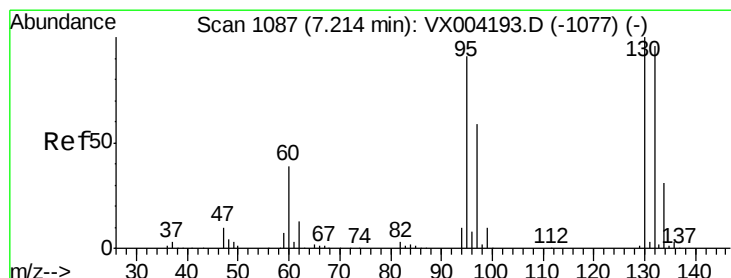
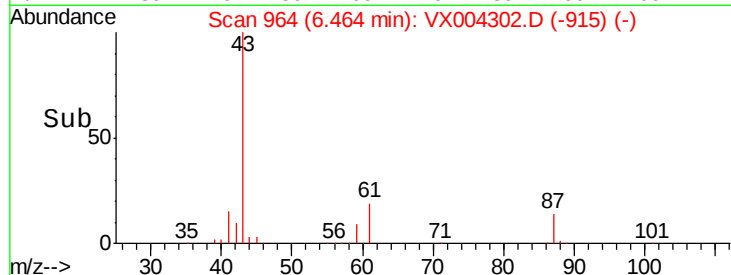
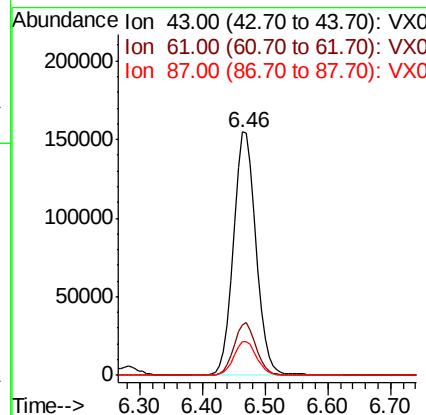
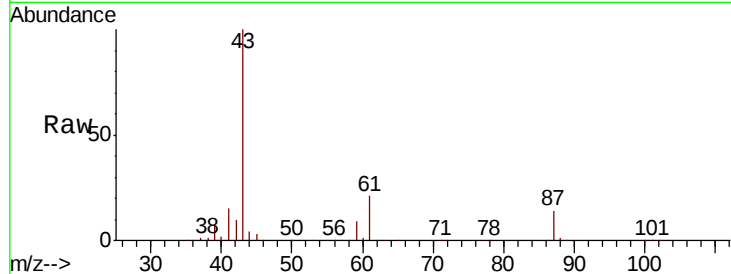
Isopropyl Acetate
 Concen: 52.41 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004302.D
 Acq: 29 Aug 2018 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	17.0	25.4
87	14.0	11.4	17.2

Manual Integrations
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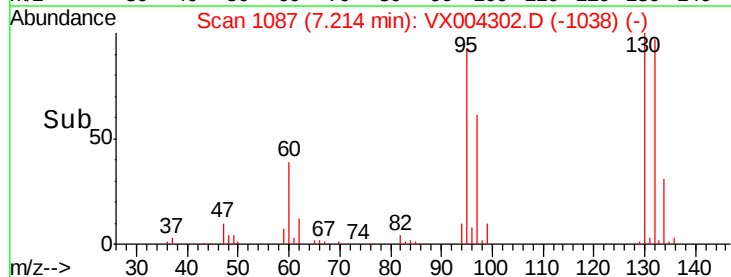
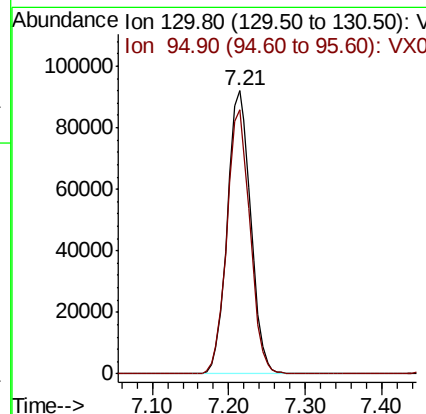
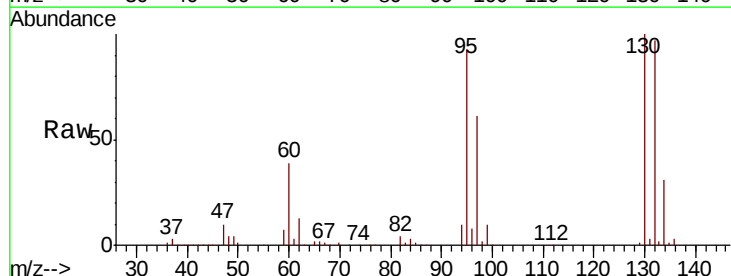
MMDadoda
 8/30/2018 1:38:37 PM

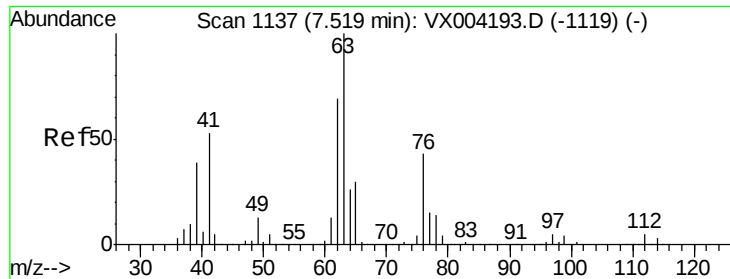


#44

Trichloroethene
 Concen: 48.52 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004302.D
 Acq: 29 Aug 2018 19:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	181.6





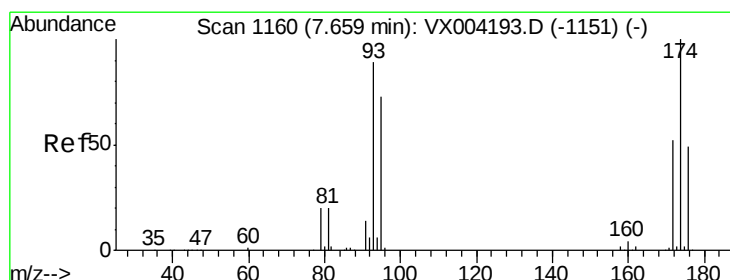
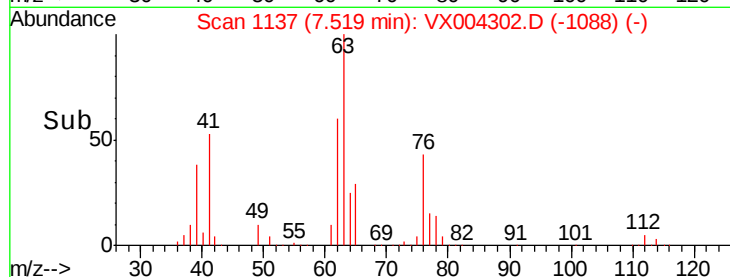
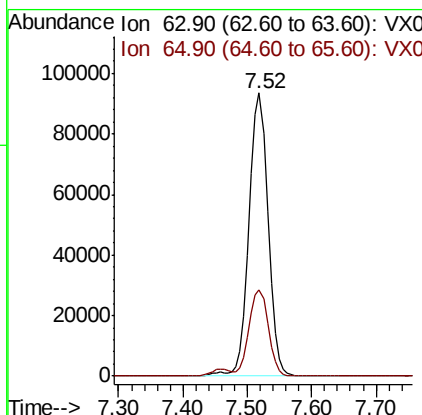
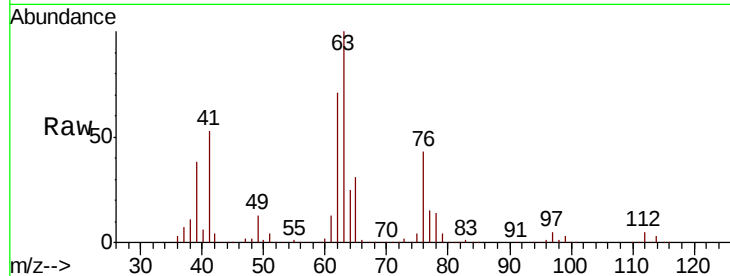
#45
 1,2-Dichloropropane
 Concen: 52.03 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004302.D
 Acq: 29 Aug 2018 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.3	36.5

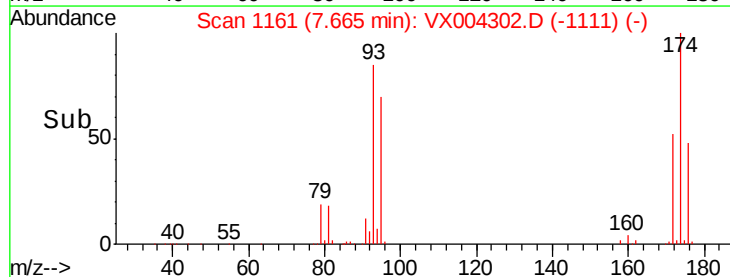
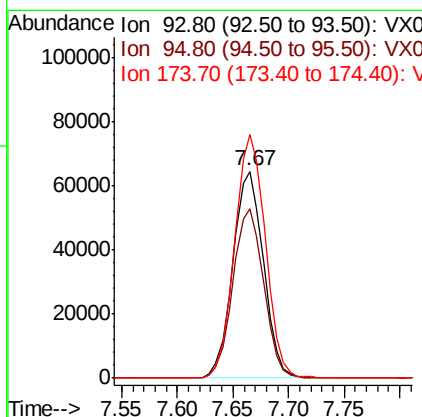
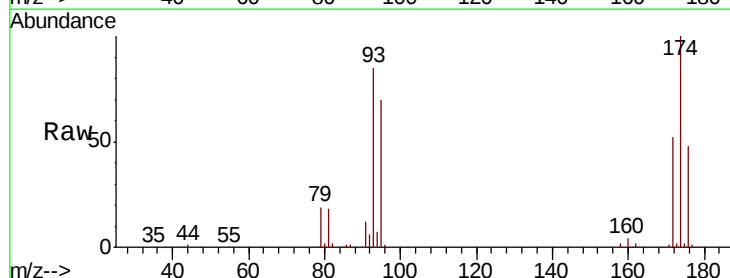
Manual Integrations
 APPROVED

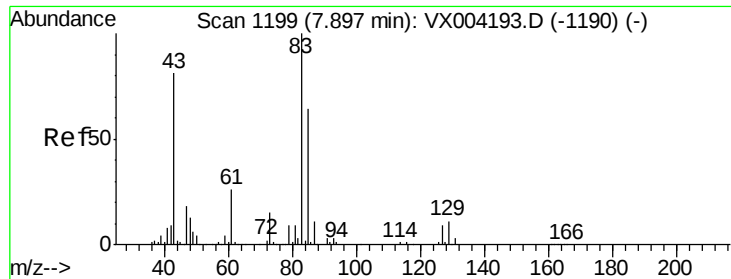
MMDadoda
 8/30/2018 1:38:37 PM



#46
 Dibromomethane
 Concen: 50.83 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: VX004302.D
 Acq: 29 Aug 2018 19:51

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	65.5	98.3
174	118.5	94.2	141.4





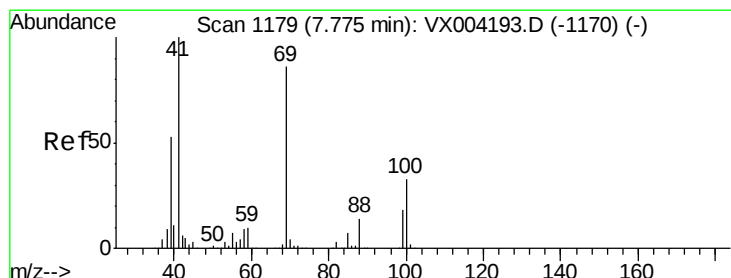
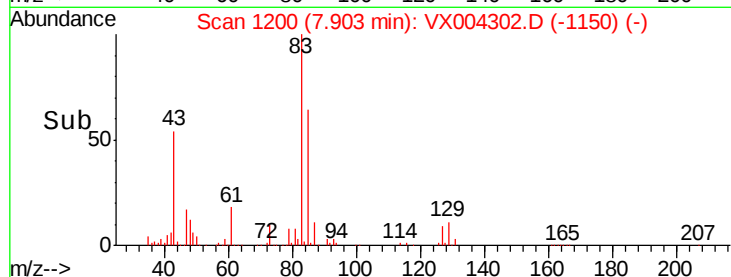
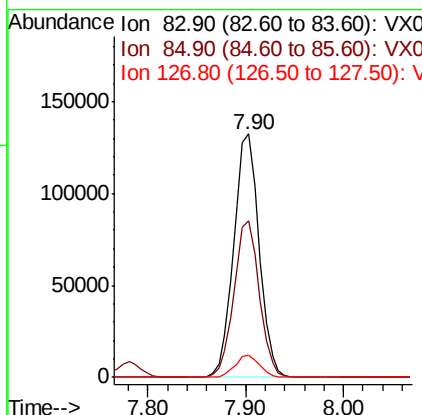
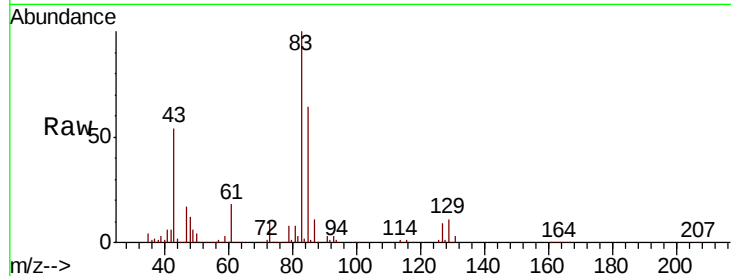
#47
Bromodichloromethane
Concen: 53.11 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	238719		
85	64.3		50.9	76.3
127	9.0		7.3	10.9

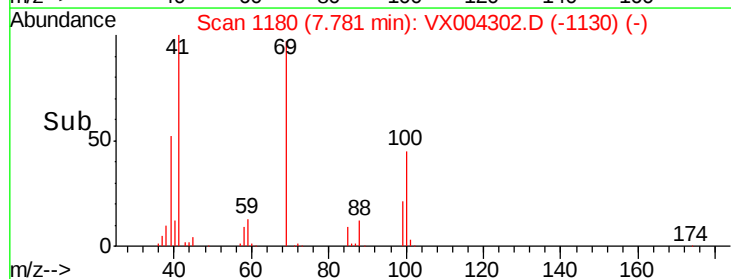
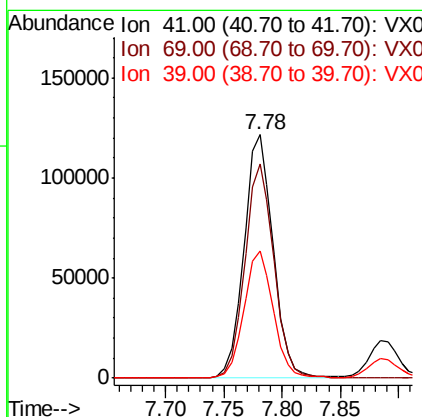
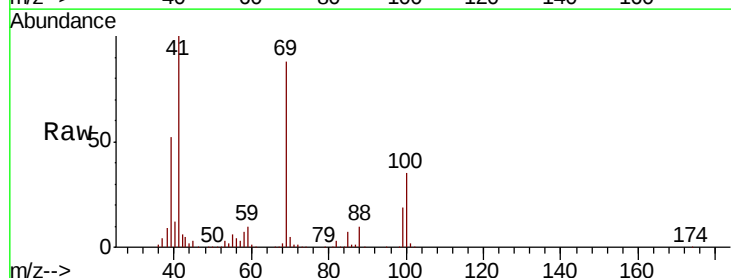
Manual Integrations
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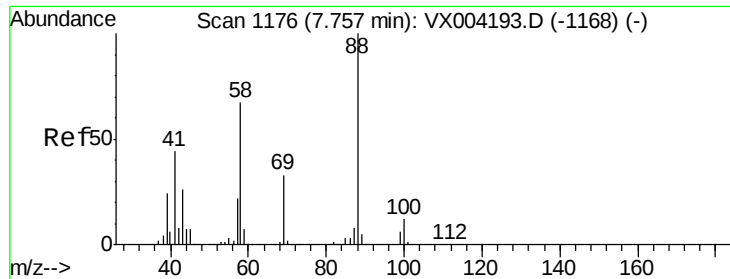
MMDadoda
8/30/2018 1:38:37 PM



#48
Methyl methacrylate
Concen: 54.00 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	211845		
69	88.2		70.2	105.4
39	52.6		42.7	64.1





#49

1,4-Dioxane

Concen: 1104.33 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VX004302.D

Acq: 29 Aug 2018 19:51

Instrument :

MSVOA_X

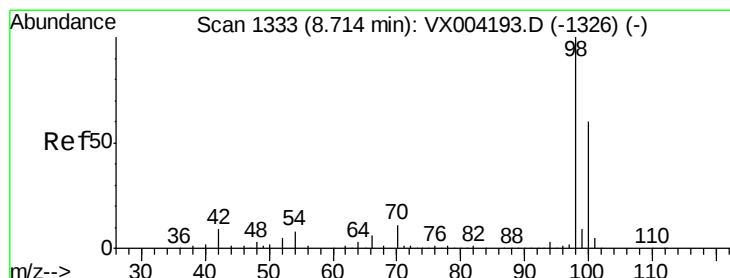
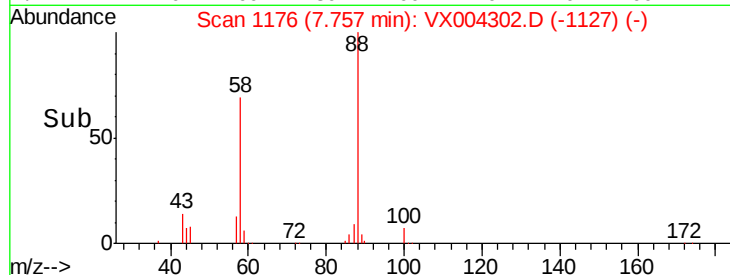
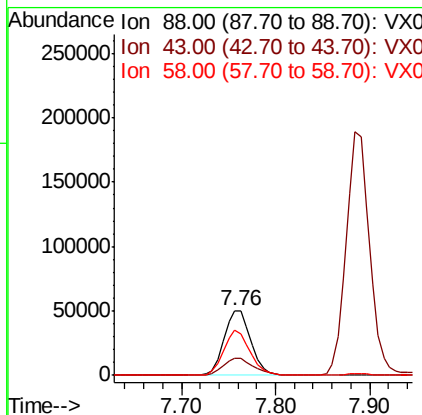
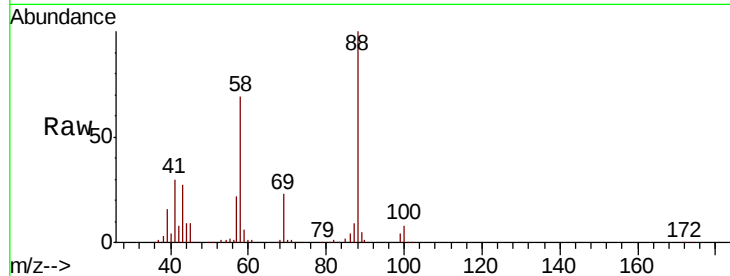
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	98362
Ion	Ratio	Lower	Upper
88	100		
43	30.3	24.7	37.1
58	69.0	55.3	82.9

Manual Integrations
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#50

Toluene-d8

Concen: 51.39 ug/l

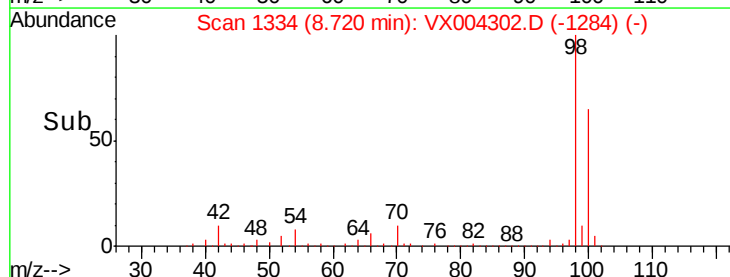
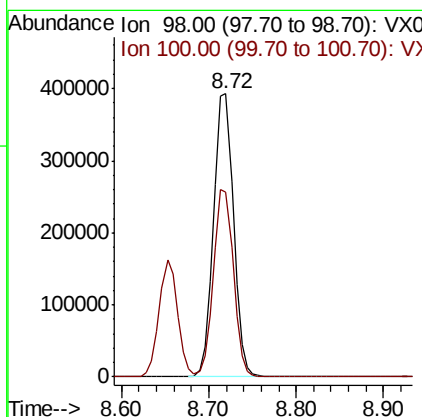
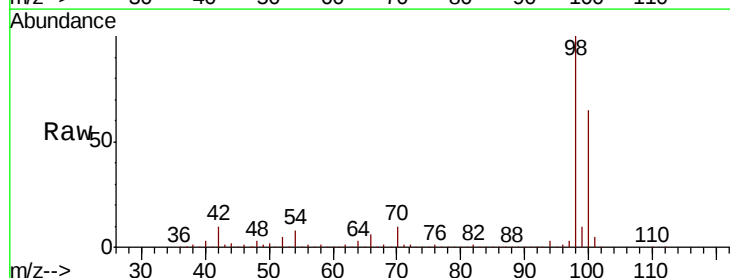
RT: 8.72 min Scan# 1334

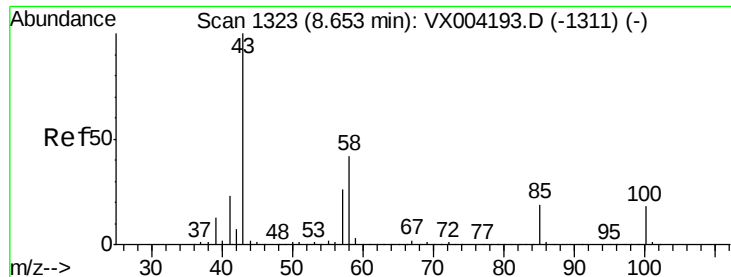
Delta R.T. 0.01 min

Lab File: VX004302.D

Acq: 29 Aug 2018 19:51

Tgt Ion:	98	Resp:	622731
Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 257.00 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004302.D

Acq: 29 Aug 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1369026

Ion Ratio Lower Upper

43 100

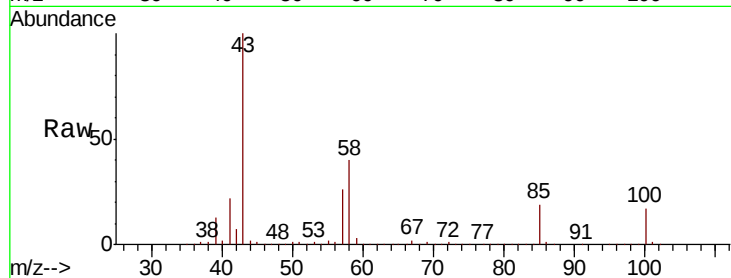
58 41.3 33.1 49.7

Manual Integrations

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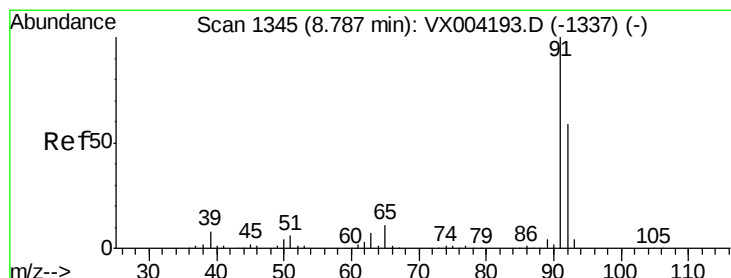
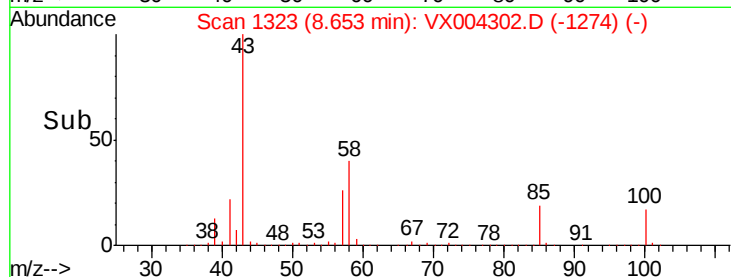
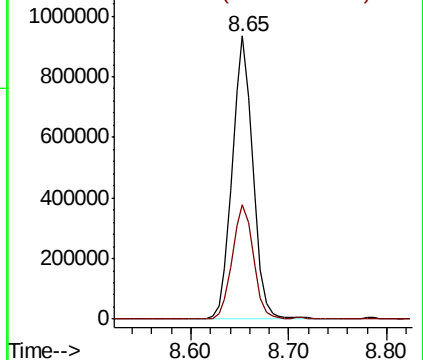
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 51.50 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004302.D

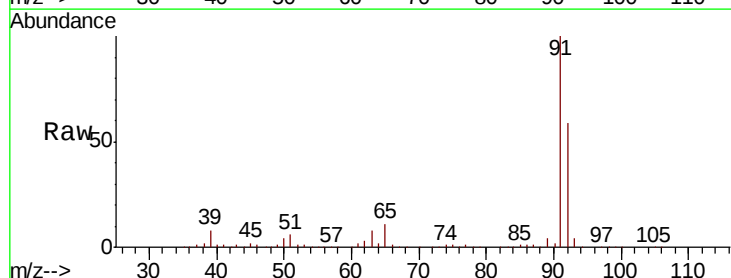
Acq: 29 Aug 2018 19:51

Tgt Ion: 92 Resp: 467295

Ion Ratio Lower Upper

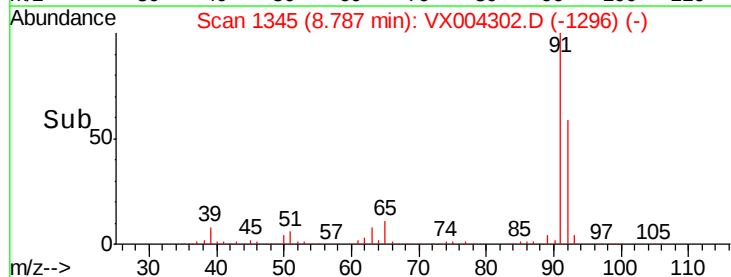
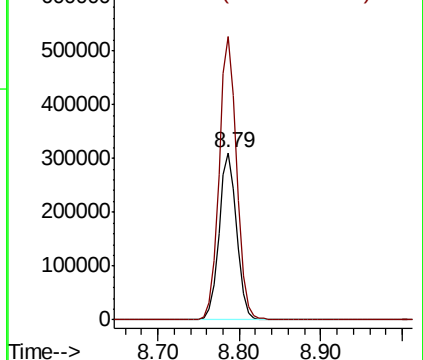
92 100

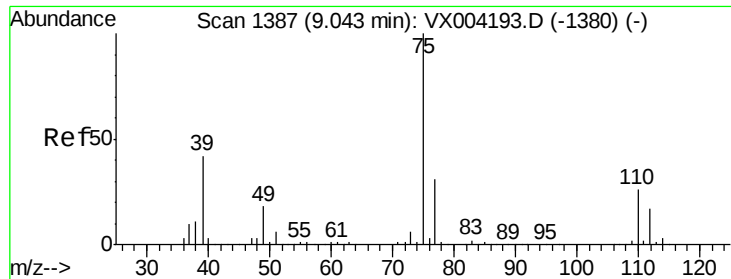
91 169.6 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





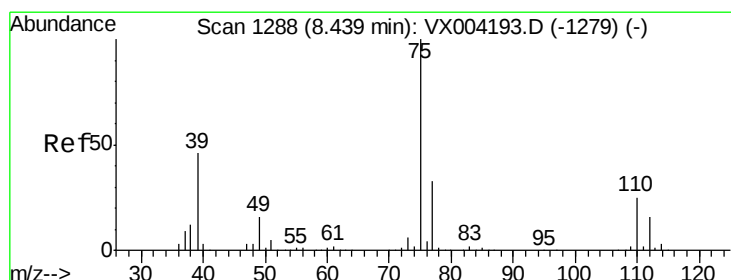
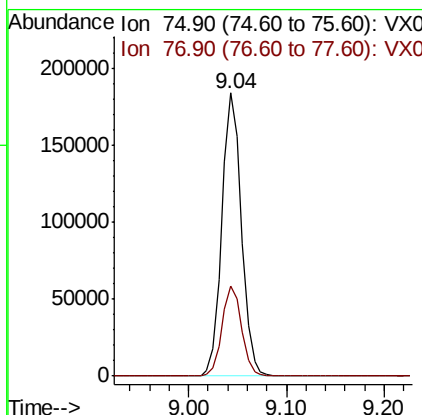
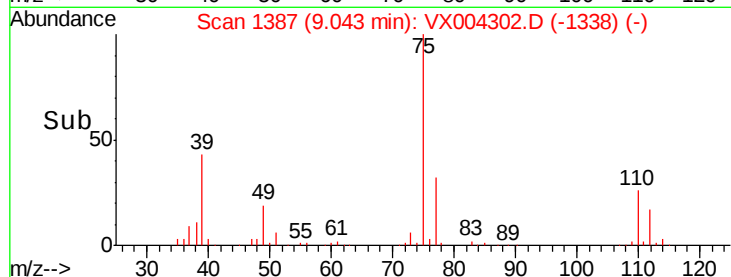
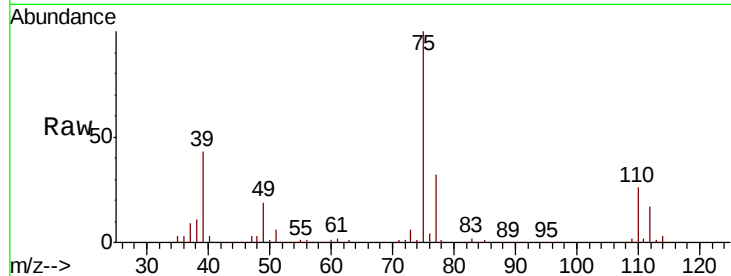
#53
t-1,3-Dichloropropene
Concen: 51.45 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 255458
Ion Ratio Lower Upper
75 100
77 31.8 24.6 37.0

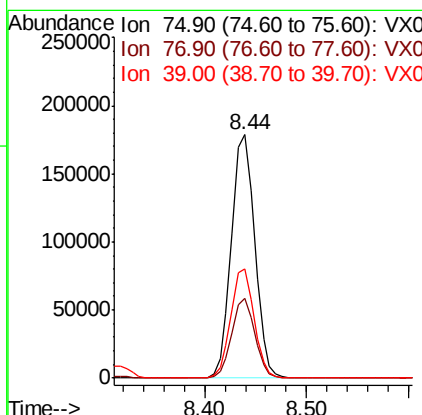
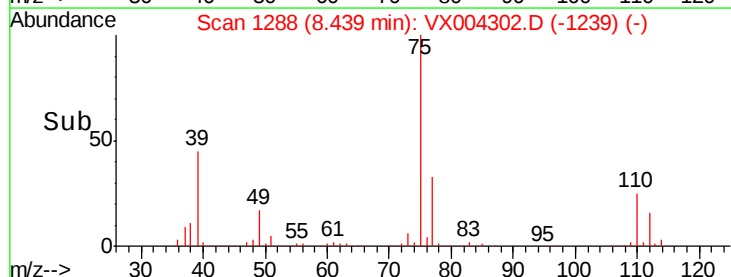
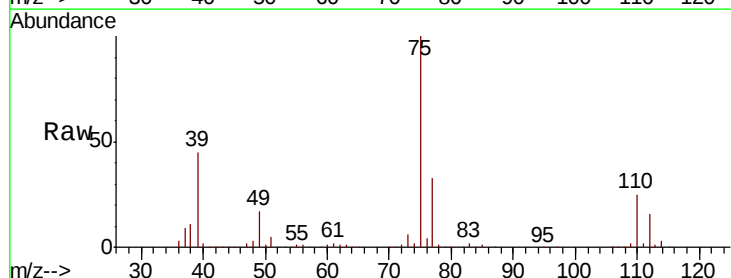
Manual Integrations
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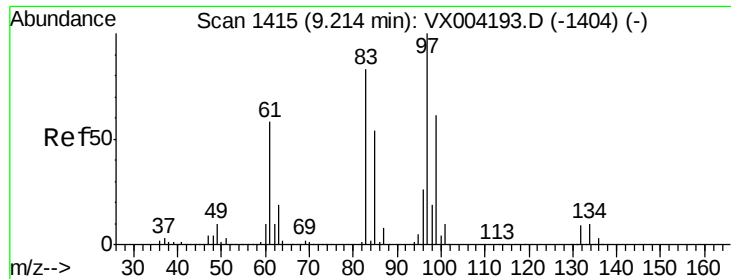
MMDadoda
8/30/2018 1:38:37 PM



#54
cis-1,3-Dichloropropene
Concen: 52.34 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Tgt Ion: 75 Resp: 283044
Ion Ratio Lower Upper
75 100
77 33.0 26.2 39.2
39 44.8 36.4 54.6





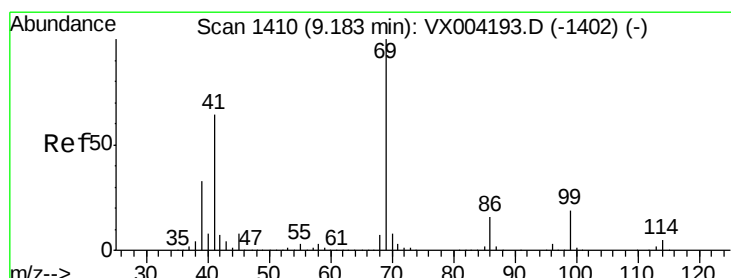
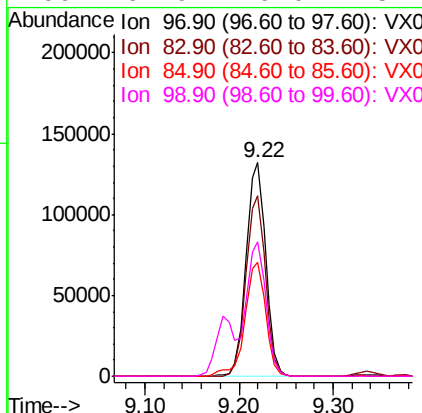
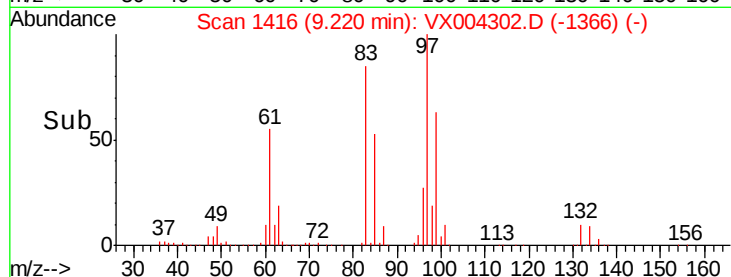
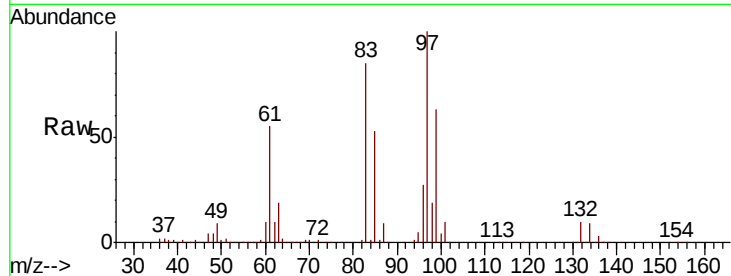
#55
 1,1,2-Trichloroethane
 Concen: 52.66 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VX004302.D
 Acq: 29 Aug 2018 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	192915		
83	84.6	66.4	99.6	
85	53.4	43.3	64.9	
99	62.9	49.0	73.4	

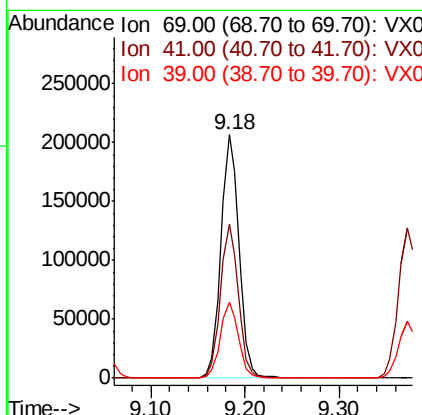
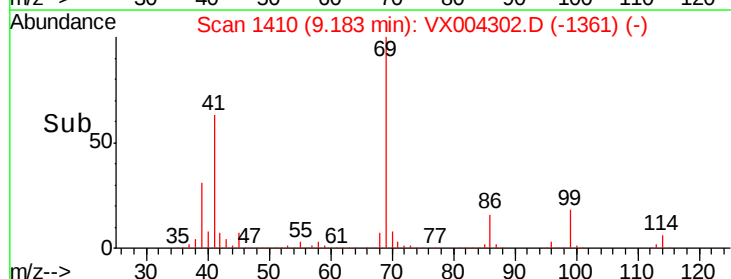
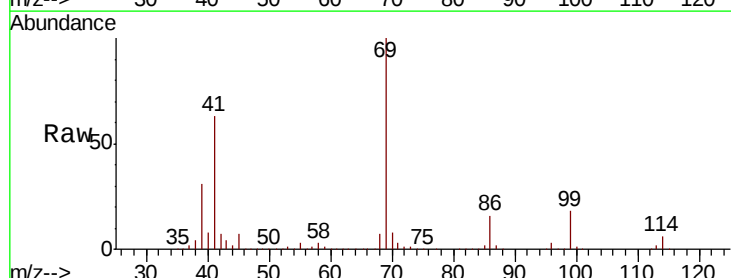
Manual Integrations
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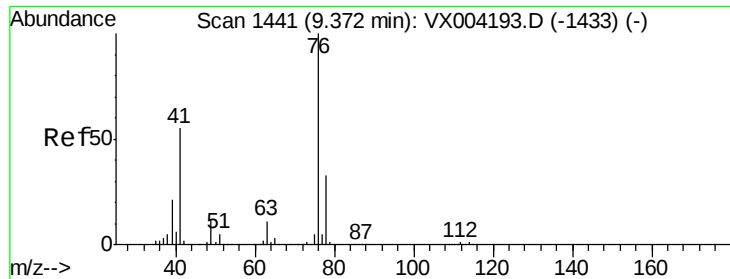
MMDadoda
 8/30/2018 1:38:37 PM



#56
 Ethyl methacrylate
 Concen: 55.38 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004302.D
 Acq: 29 Aug 2018 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	276174		
41	62.7	51.0	76.4	
39	31.2	26.1	39.1	





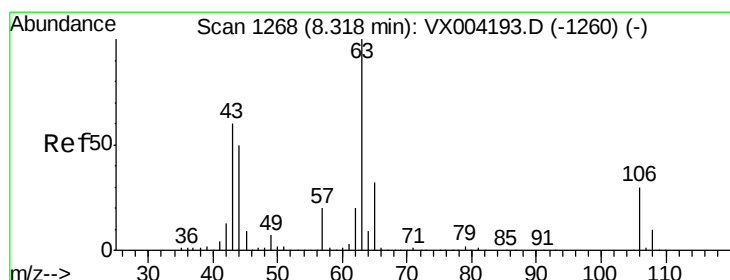
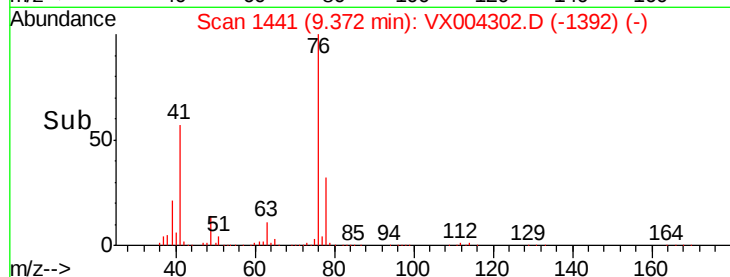
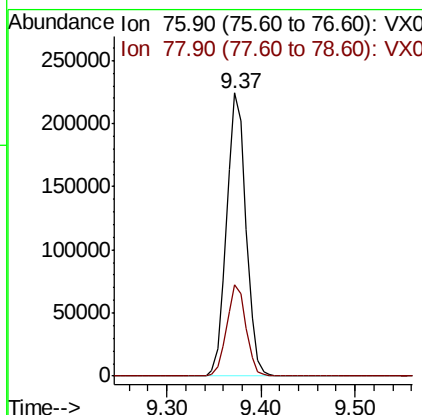
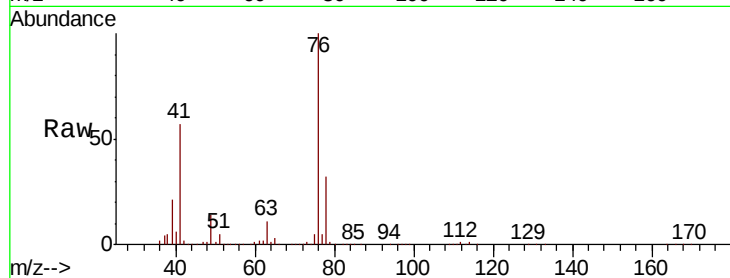
#57
 1,3-Dichloropropane
 Concen: 51.68 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004302.D
 Acq: 29 Aug 2018 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3

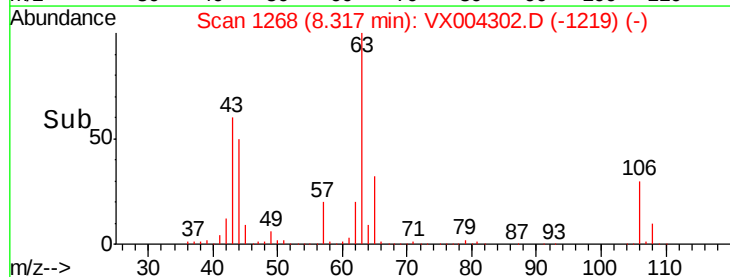
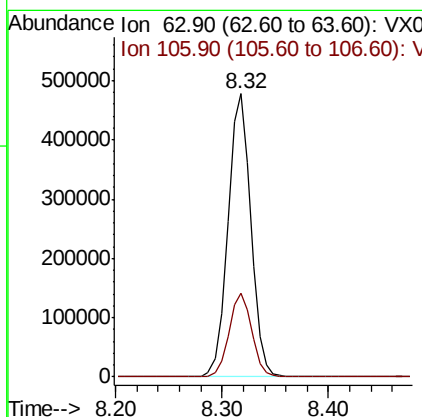
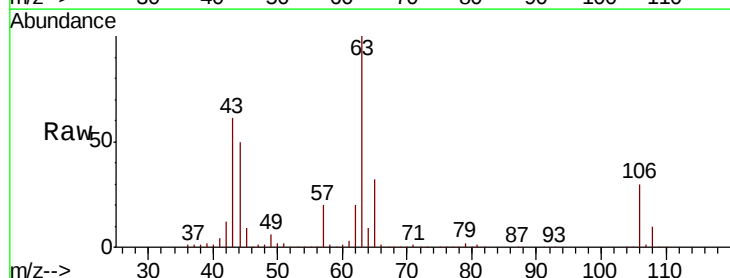
Manual Integrations
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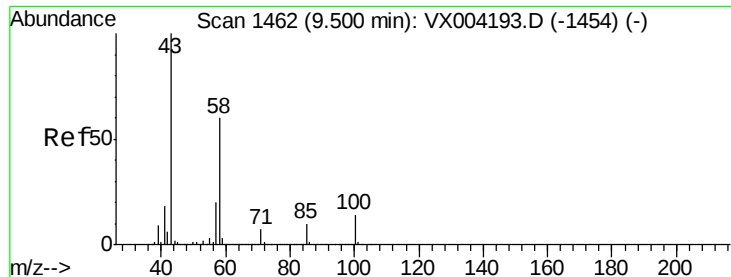
MMDadoda
 8/30/2018 1:38:37 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 281.10 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX004302.D
 Acq: 29 Aug 2018 19:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.5	23.9	35.9





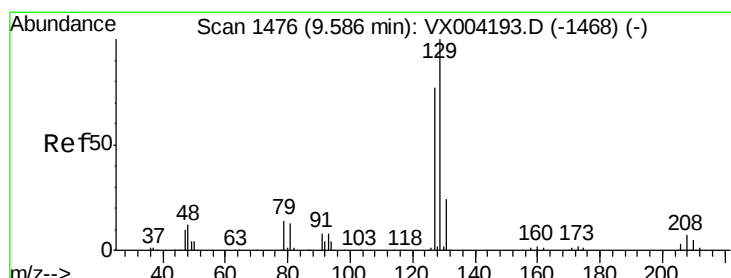
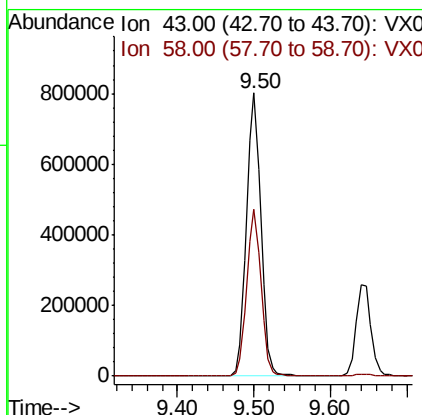
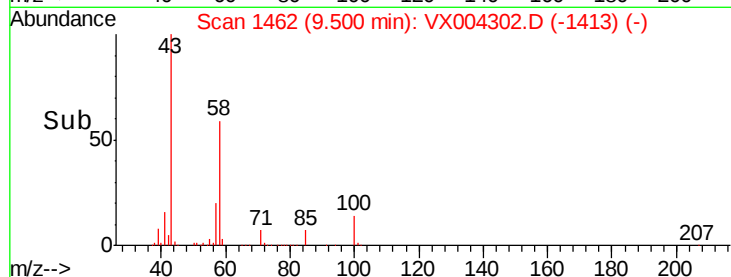
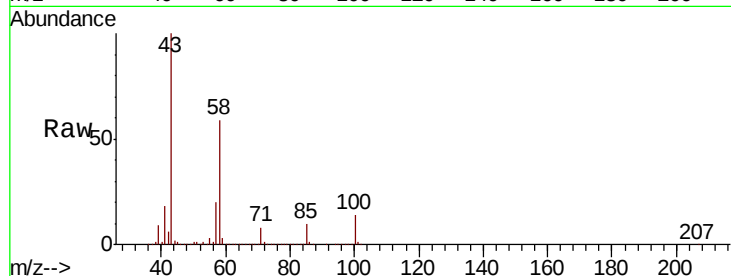
#59
2-Hexanone
Concen: 259.85 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1056009
Ion Ratio Lower Upper
43 100
58 58.2 29.0 87.0

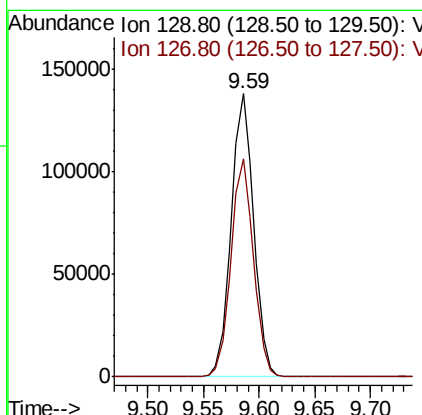
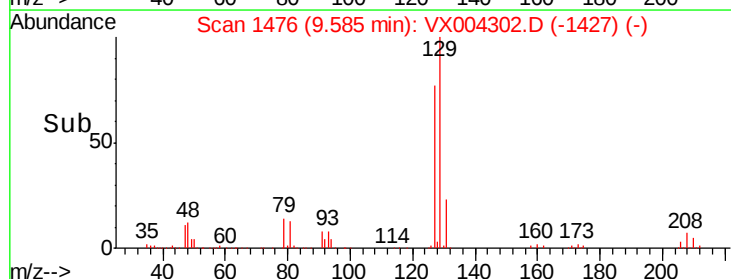
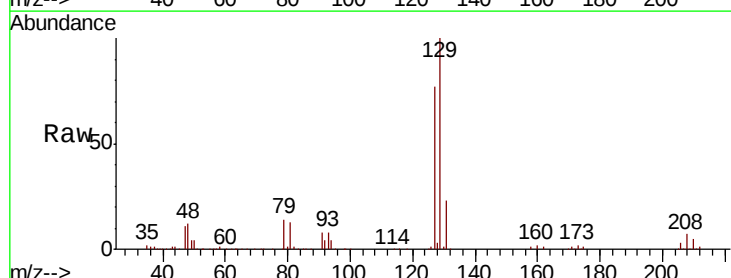
Manual Integrations
APPROVED

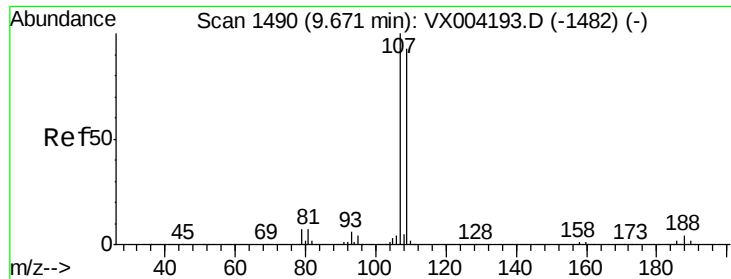
MMDadoda
8/30/2018 1:38:37 PM



#60
Dibromochloromethane
Concen: 53.92 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Tgt Ion: 129 Resp: 192423
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 50.53 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.01 min

Lab File: VX004302.D

Acq: 29 Aug 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 191558

Ion Ratio Lower Upper

107 100

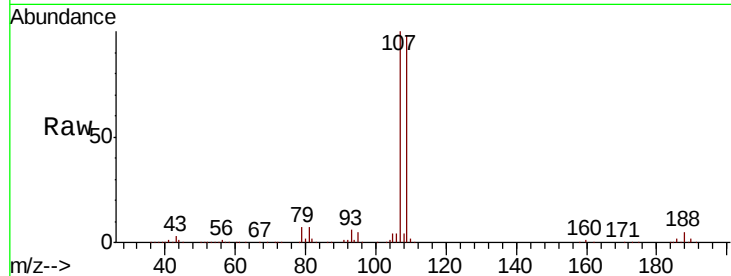
109 96.6 76.0 114.0

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

150000

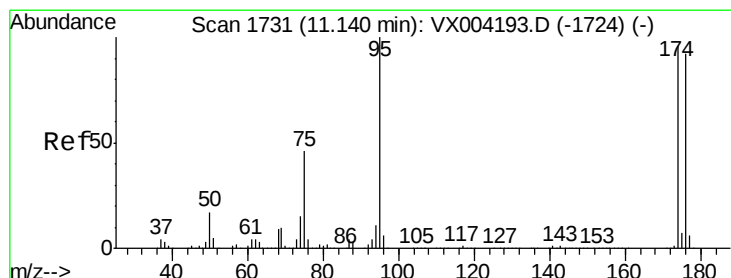
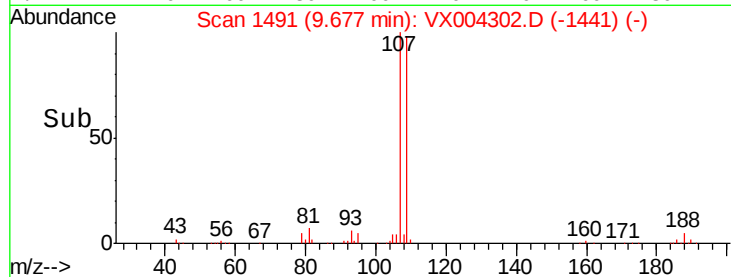
9.68

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.19 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004302.D

Acq: 29 Aug 2018 19:51

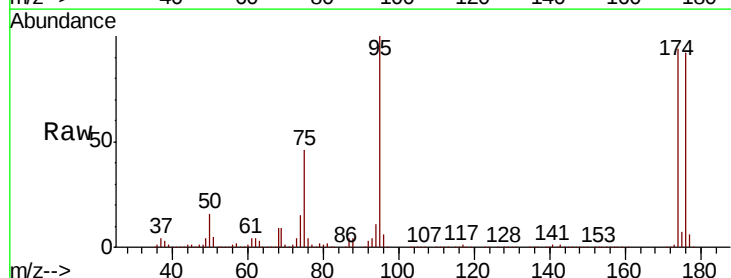
Tgt Ion: 95 Resp: 235987

Ion Ratio Lower Upper

95 100

174 91.9 0.0 185.2

176 89.2 0.0 178.6



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

250000

11.14

200000

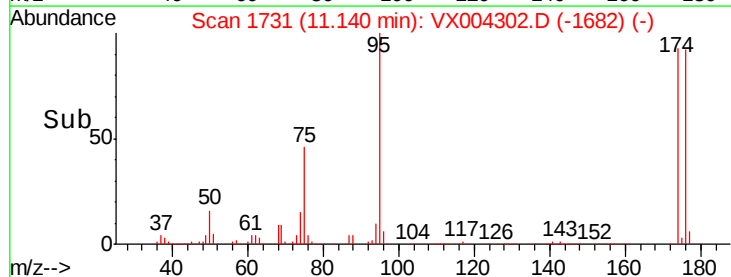
150000

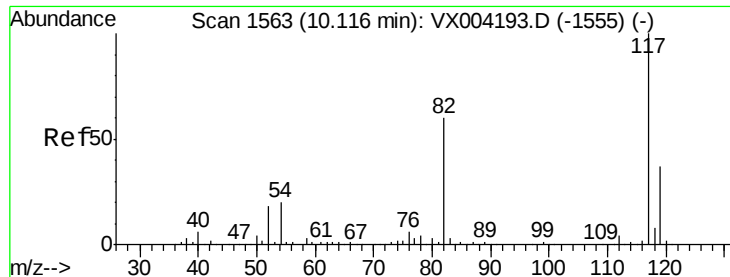
100000

50000

0

Time-->





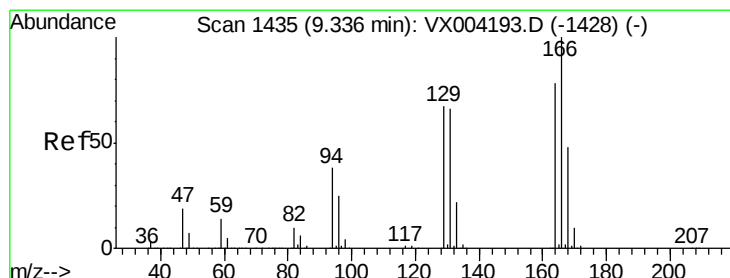
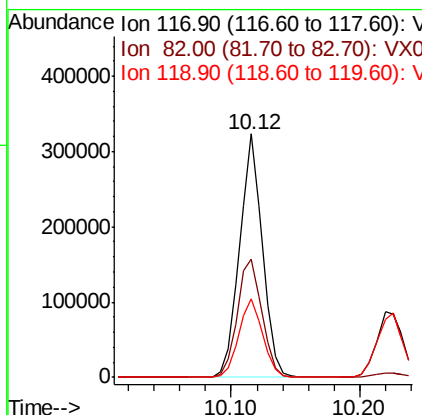
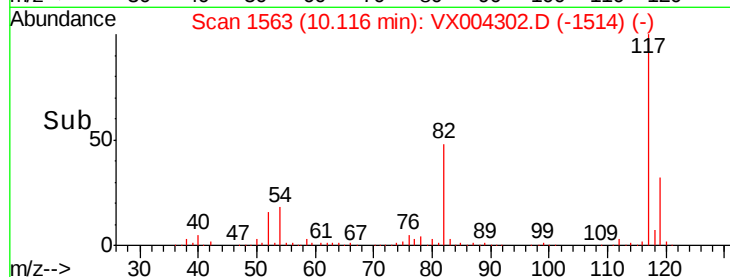
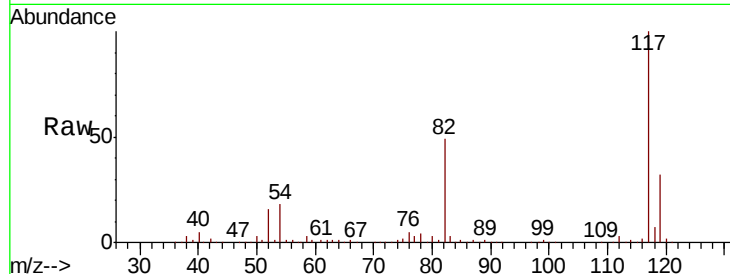
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.5	47.8	71.6
119	32.0	29.3	43.9

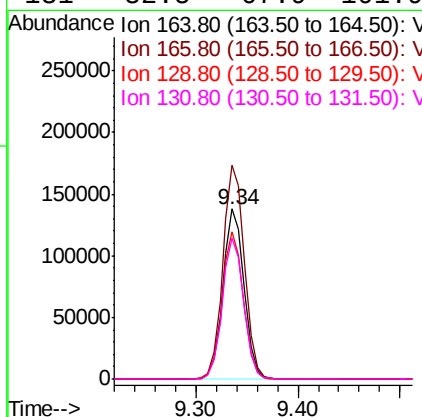
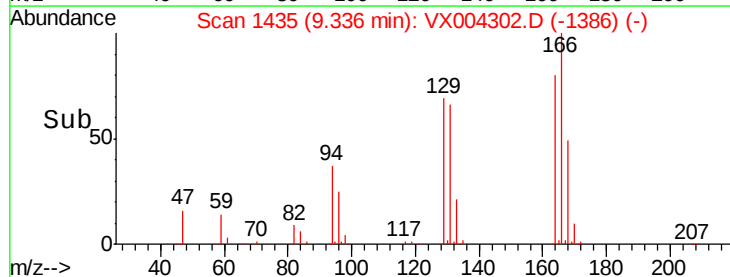
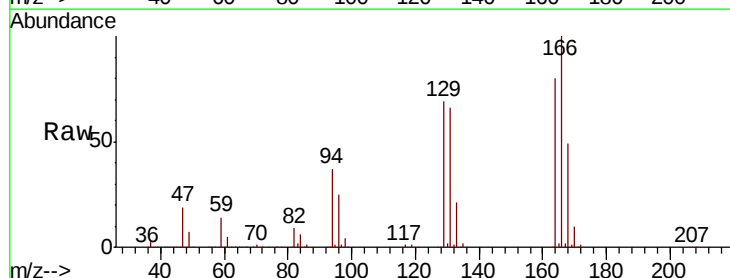
Manual Integrations
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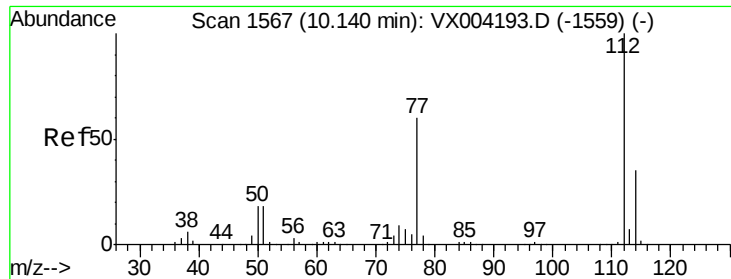
MMDadoda
8/30/2018 1:38:37 PM



#64
Tetrachloroethene
Concen: 50.44 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	102.8	154.2
129	86.4	69.4	104.0
131	82.5	67.9	101.9





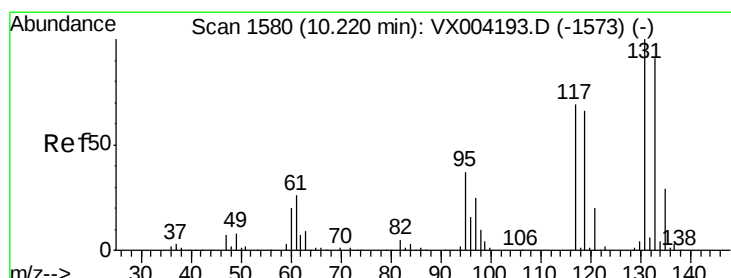
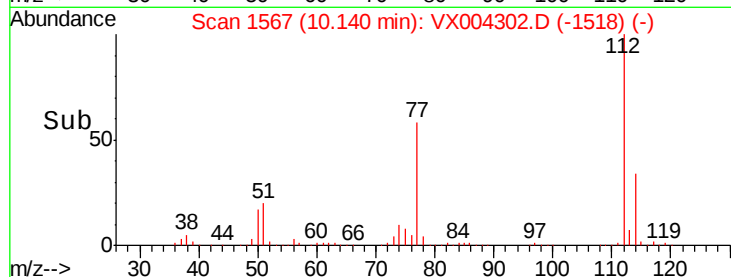
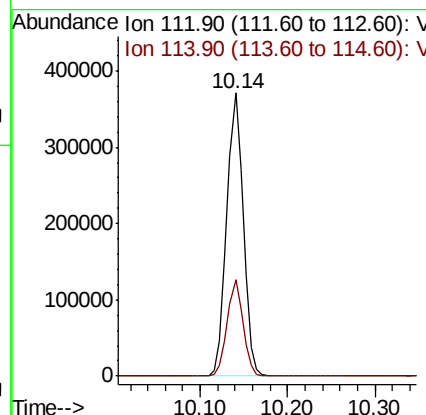
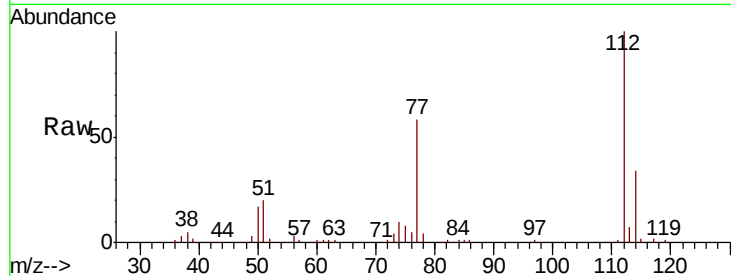
#65
Chlorobenzene
Concen: 48.83 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 485637
Ion Ratio Lower Upper
112 100
114 34.0 27.8 41.8

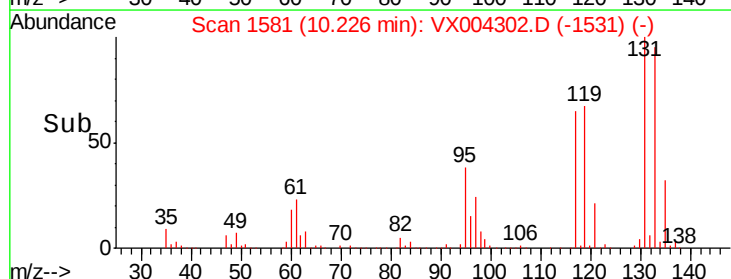
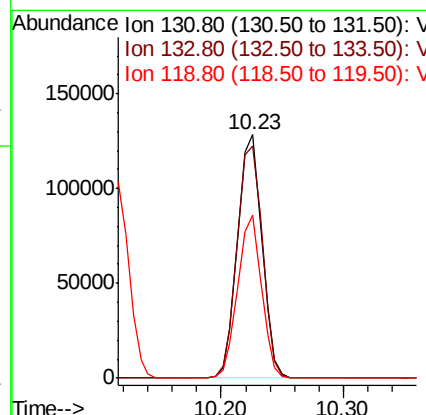
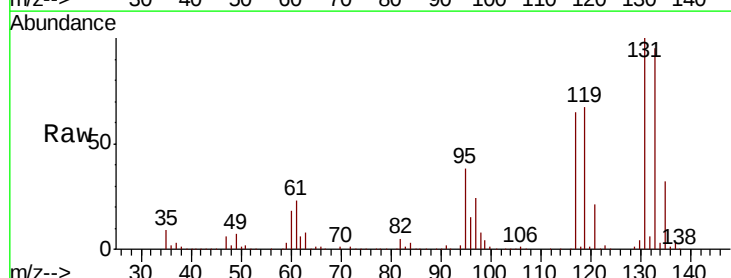
Manual Integrations
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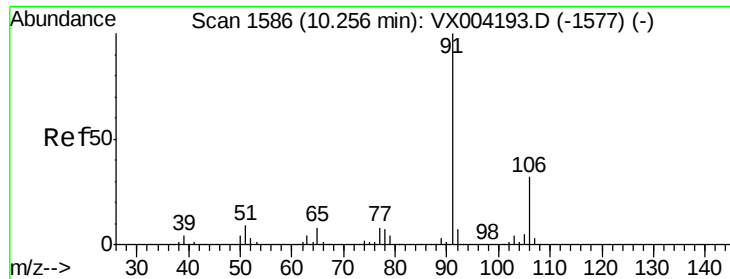
MMDadoda
8/30/2018 1:38:37 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.58 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Tgt Ion:131 Resp: 176937
Ion Ratio Lower Upper
131 100
133 99.1 48.1 144.4
119 65.2 32.9 98.6





#67

Ethyl Benzene

Concen: 51.24 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX004302.D

Acq: 29 Aug 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 827651

Ion Ratio Lower Upper

91 100

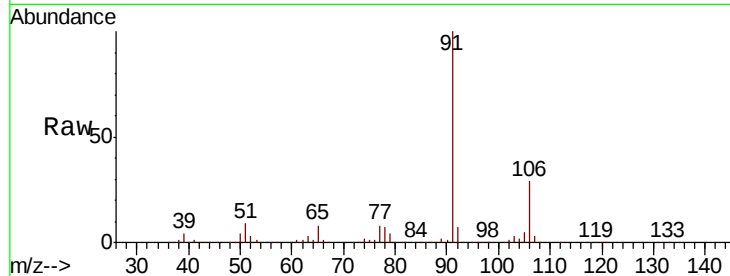
106 29.4 25.9 38.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX004193.D (-1577) (-)

Ion 106.00 (105.70 to 106.70): VX004193.D (-1577) (-)

1000000

800000

600000

400000

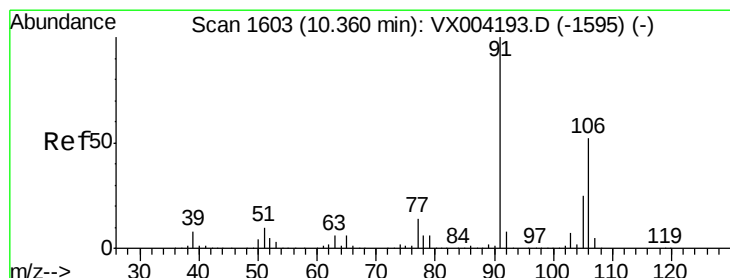
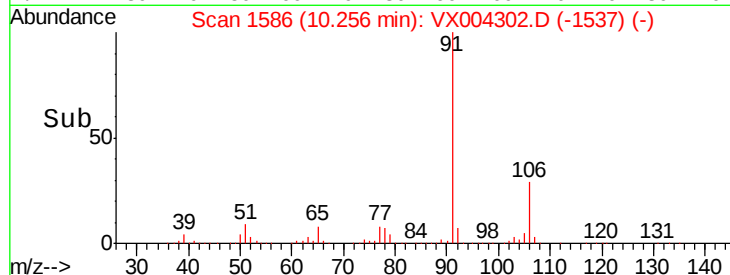
200000

0

10.20

10.30

Time-->



#68

m/p-Xylenes

Concen: 105.89 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004302.D

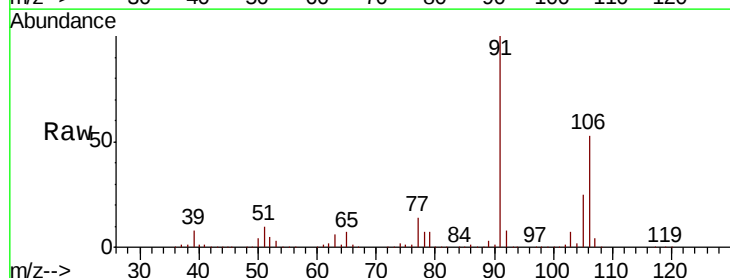
Acq: 29 Aug 2018 19:51

Tgt Ion: 106 Resp: 668728

Ion Ratio Lower Upper

106 100

91 193.4 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): VX004193.D (-1595) (-)

Ion 91.00 (90.70 to 91.70): VX004193.D (-1595) (-)

1000000

800000

600000

400000

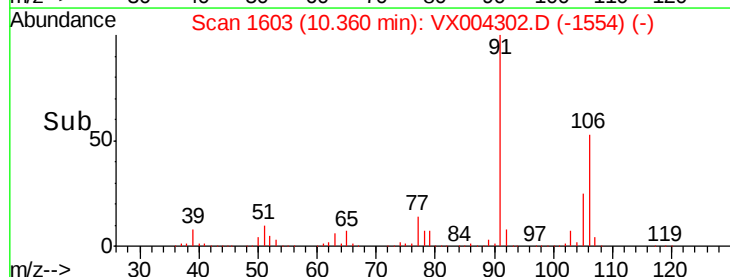
200000

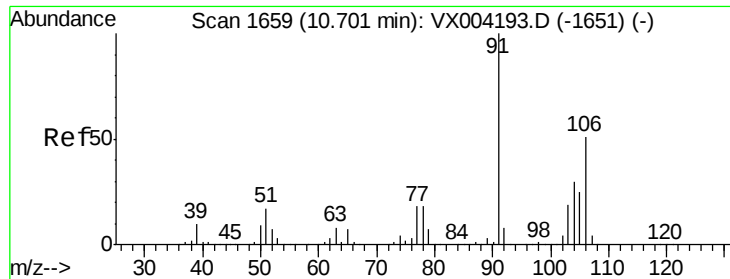
0

10.30

10.40

Time-->





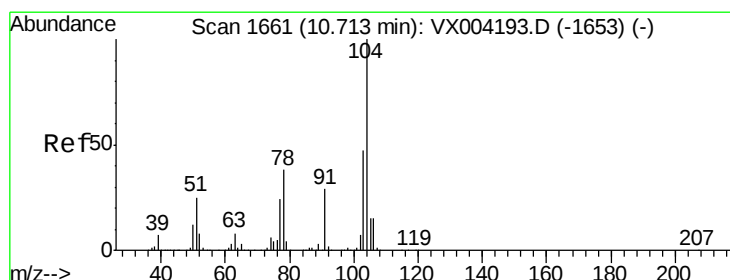
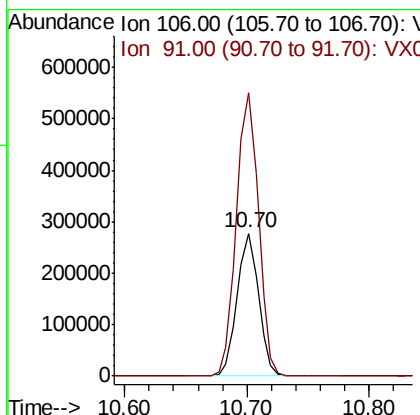
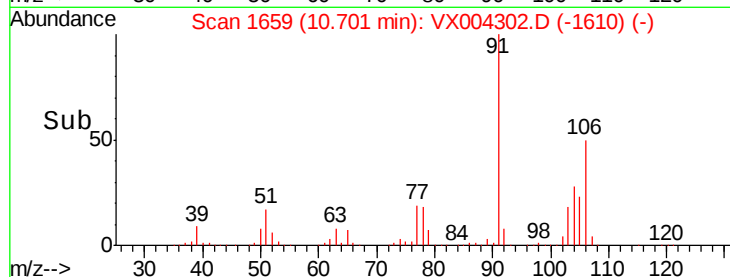
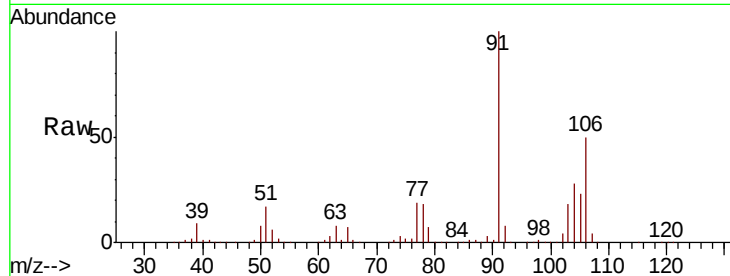
#69
o-Xylene
Concen: 56.22 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 335824
Ion Ratio Lower Upper
106 100
91 205.0 105.1 315.1

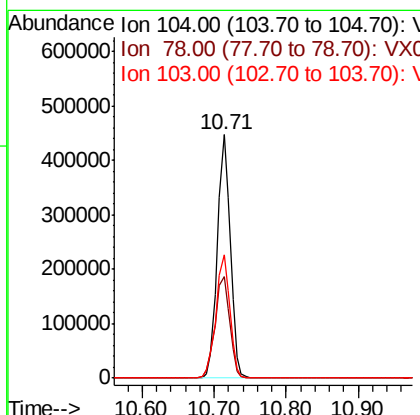
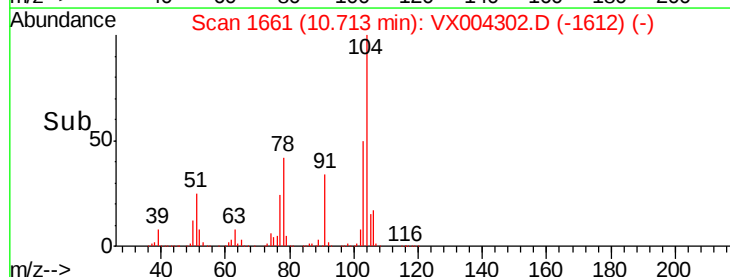
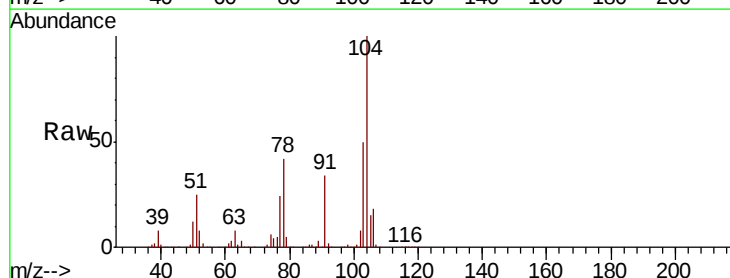
Manual Integrations
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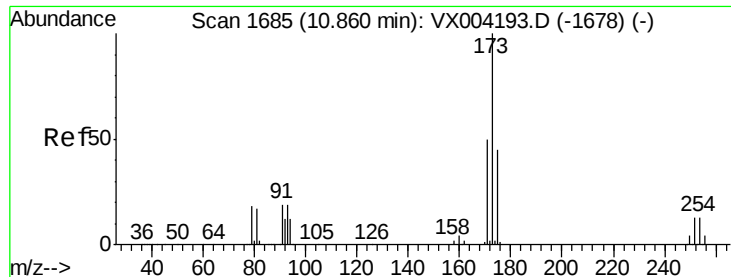
MMDadoda
8/30/2018 1:38:37 PM



#70
Styrene
Concen: 57.55 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Tgt Ion:104 Resp: 556666
Ion Ratio Lower Upper
104 100
78 47.4 37.4 56.0
103 54.4 43.8 65.6





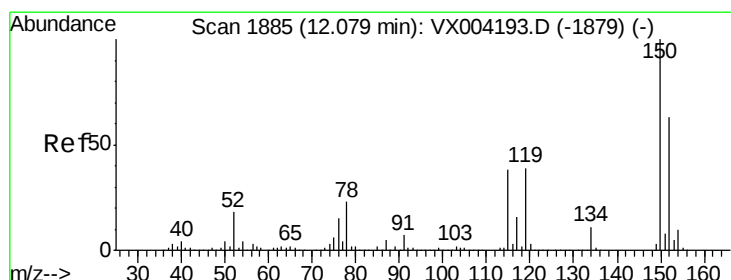
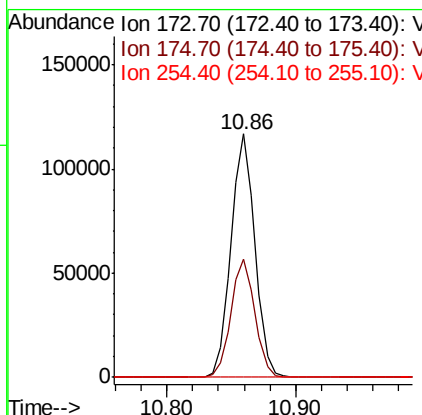
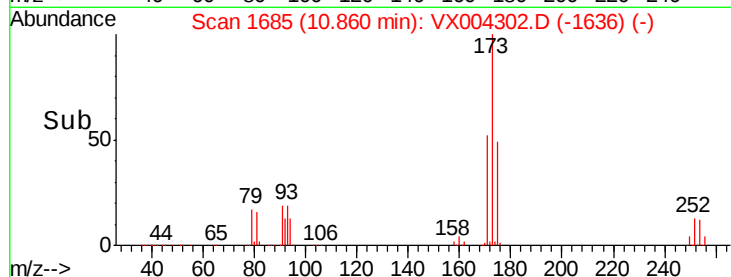
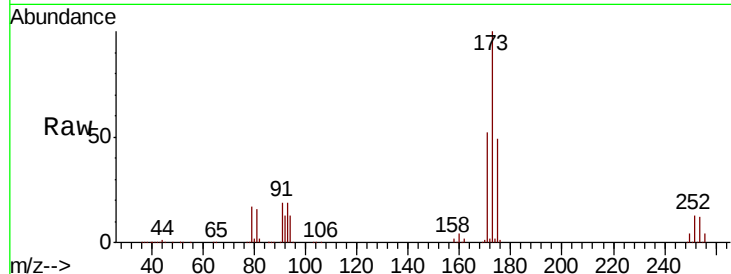
#71
Bromoform
Concen: 54.80 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.1	72.3
254	0.2	0.2	0.2

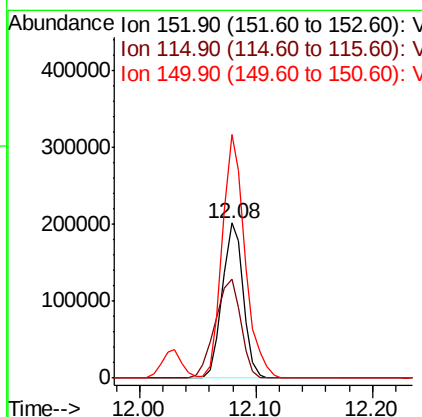
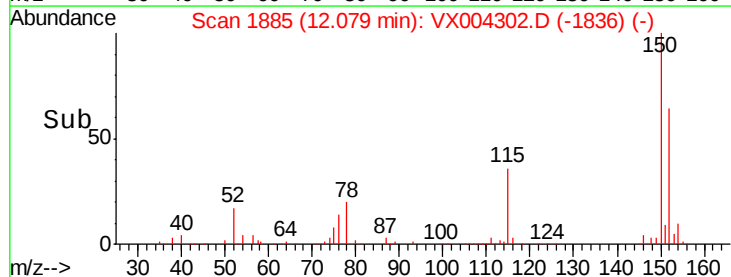
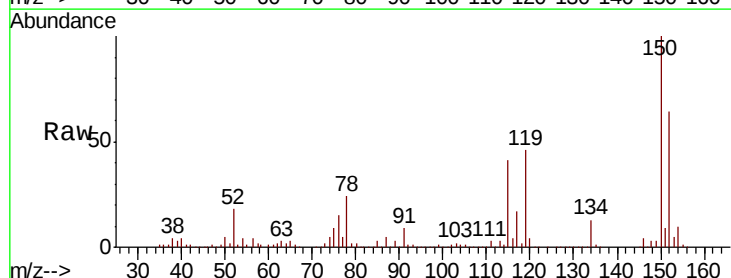
Manual Integrations
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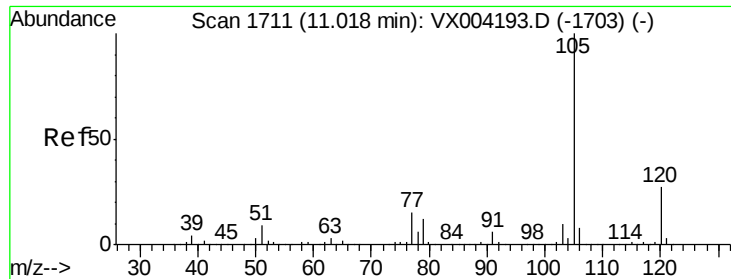
MMDadoda
8/30/2018 1:38:37 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.4	39.0	117.0
150	172.2	0.0	351.0





#73

Isopropylbenzene

Concen: 55.21 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004302.D

Acq: 29 Aug 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 897415

Ion Ratio Lower Upper

105 100

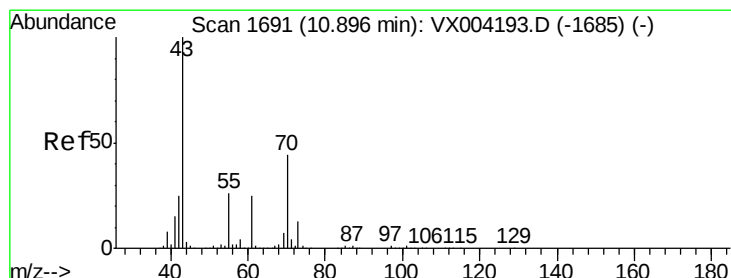
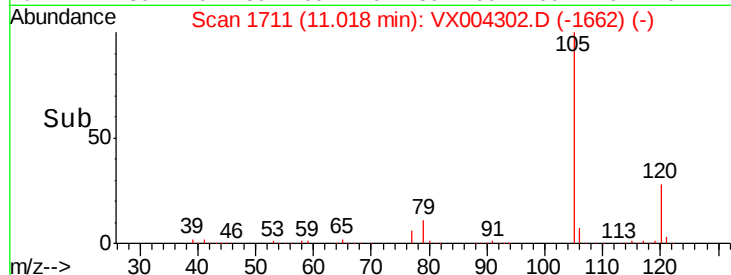
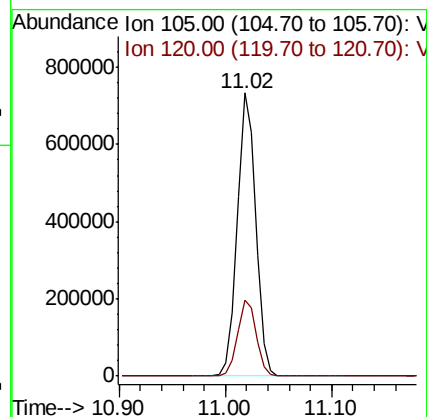
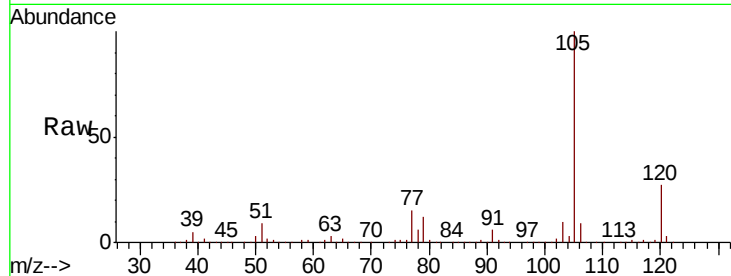
120 27.1 13.5 40.4

Manual Integrations

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8/30/2018 1:38:37 PM



#74

N-ethyl acetate

Concen: 54.89 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004302.D

Acq: 29 Aug 2018 19:51

Tgt Ion: 43 Resp: 343573

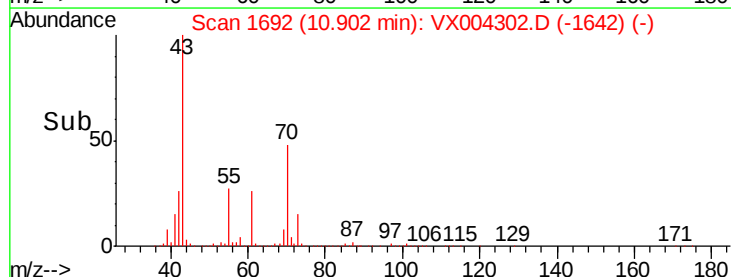
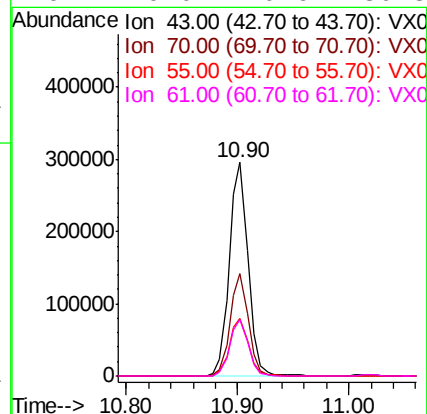
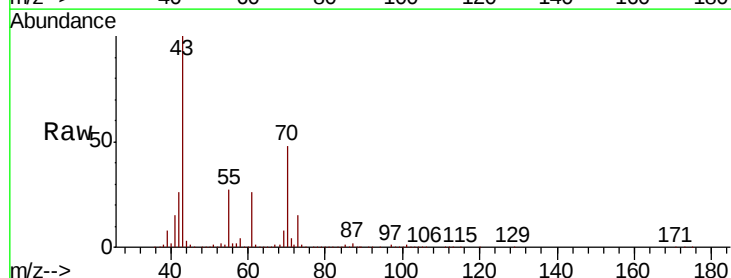
Ion Ratio Lower Upper

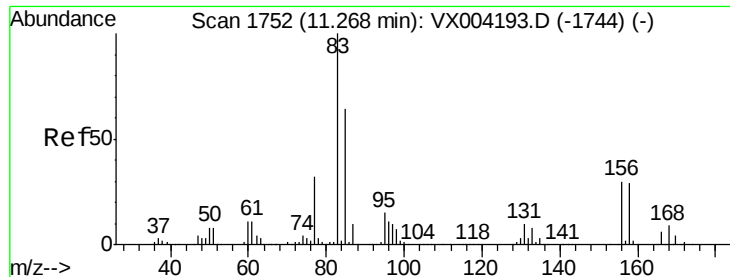
43 100

70 46.8 37.4 56.0

55 27.7 21.8 32.8

61 26.0 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 52.67 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004302.D

Acq: 29 Aug 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 299602

Ion Ratio Lower Upper

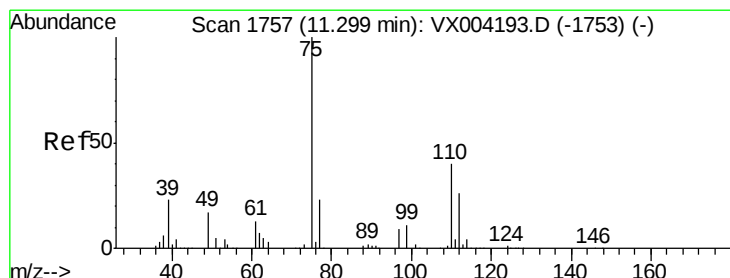
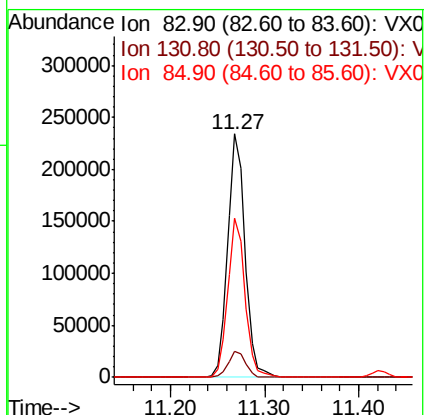
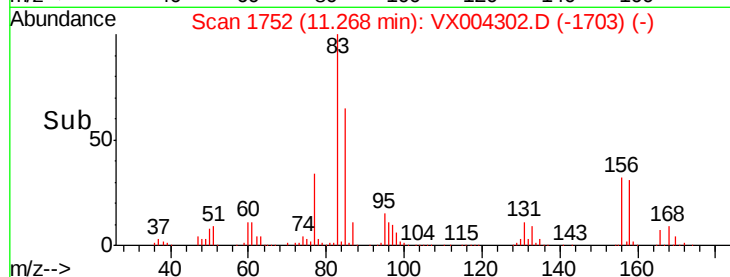
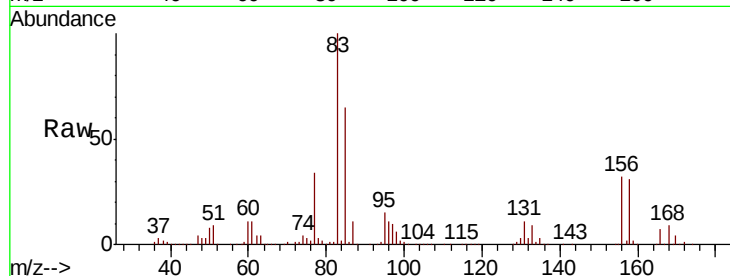
83 100

131 10.5 5.2 15.6

85 64.6 32.3 96.8

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#76

1,2,3-Trichloropropane

Concen: 53.58 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004302.D

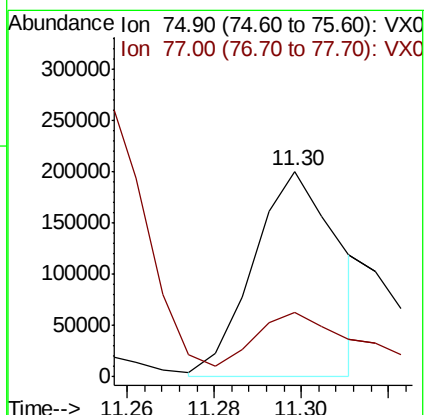
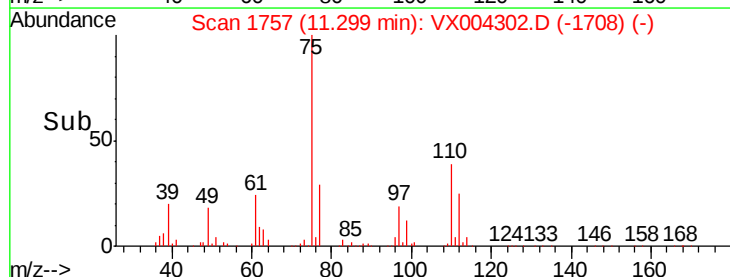
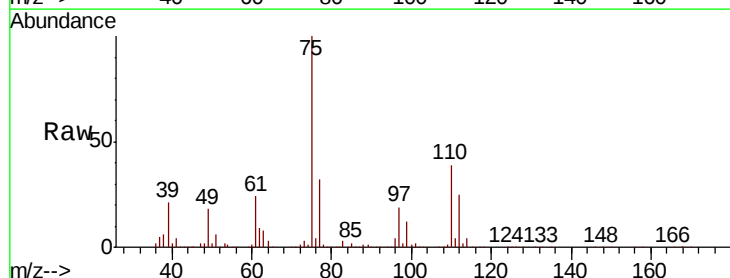
Acq: 29 Aug 2018 19:51

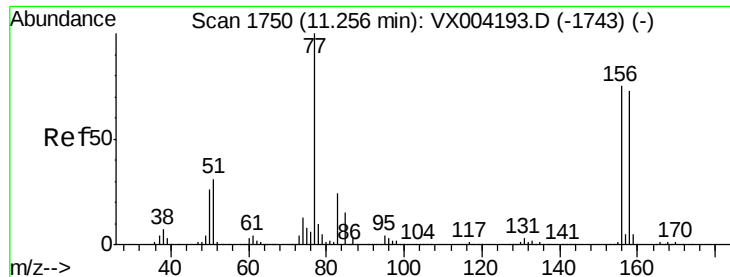
Tgt Ion: 75 Resp: 269719

Ion Ratio Lower Upper

75 100

77 40.1 20.2 60.6





#77

Bromobenzene

Concen: 51.66 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004302.D

Acq: 29 Aug 2018 19:51

Instrument :

MSVOA_X

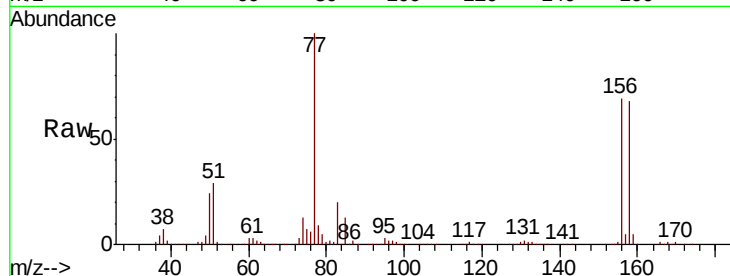
ClientSampleId :

VSTDCCC050

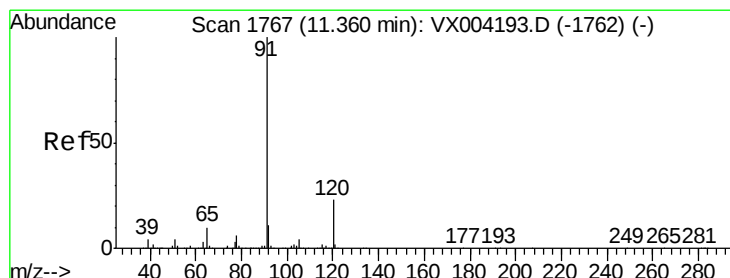
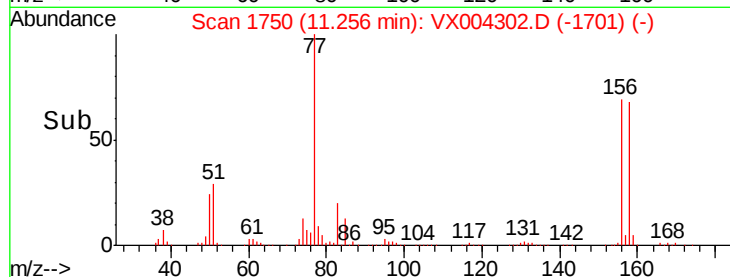
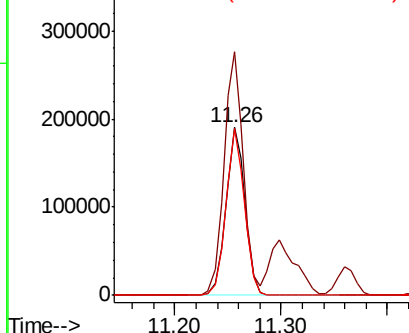
Tot Ion:	156	Resp:	235576
Ion Ratio	Lower	Upper	
156	100		
77	147.4	71.5	214.3
158	97.2	48.9	146.8

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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: 54.99 ug/l

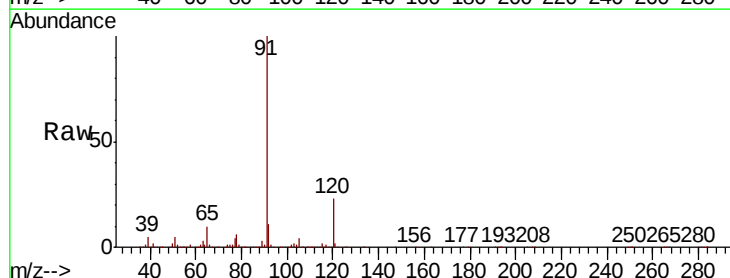
RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

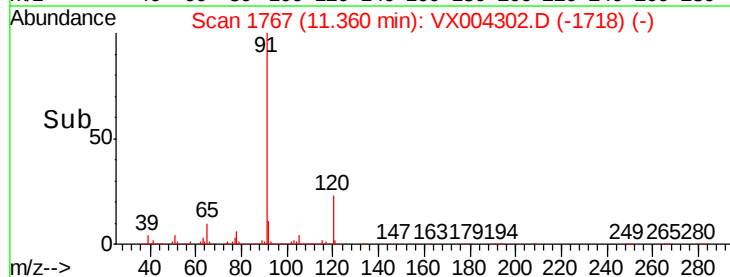
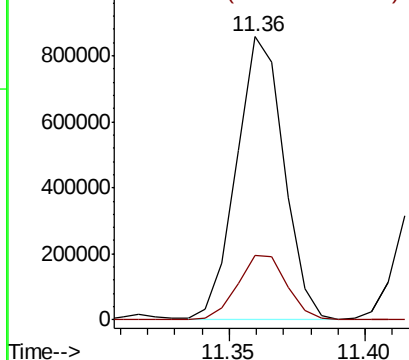
Lab File: VX004302.D

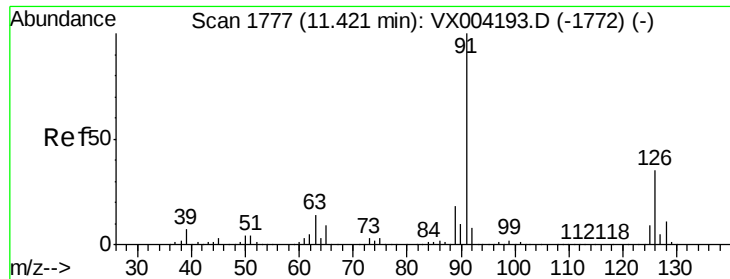
Acq: 29 Aug 2018 19:51

Tgt Ion:	91	Resp:	1028143
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.09 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004302.D

Acq: 29 Aug 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 610965

Ion Ratio Lower Upper

91 100

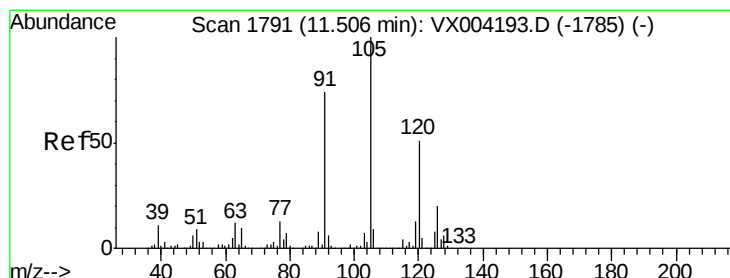
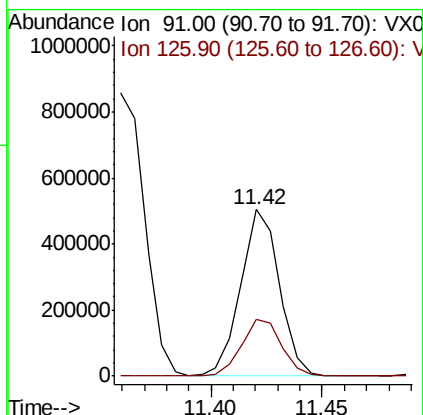
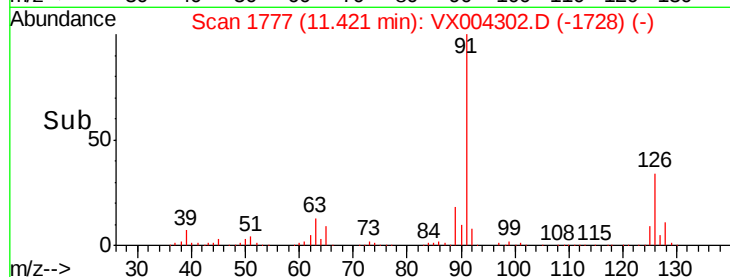
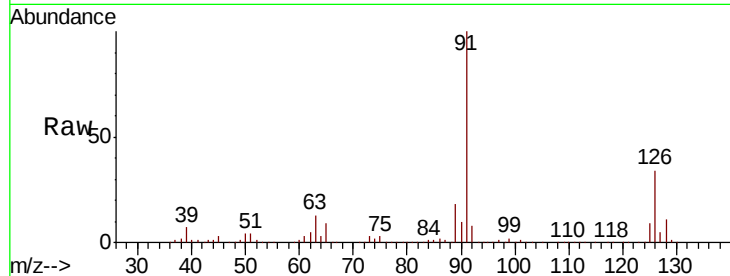
126 35.5 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 54.94 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004302.D

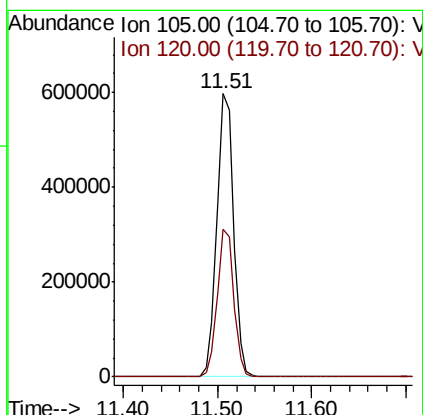
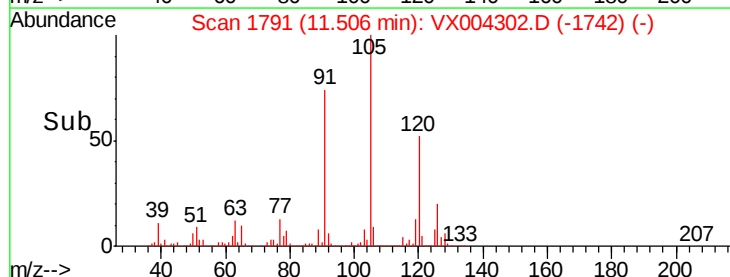
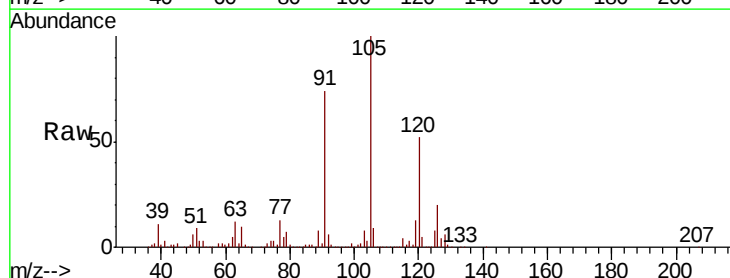
Acq: 29 Aug 2018 19:51

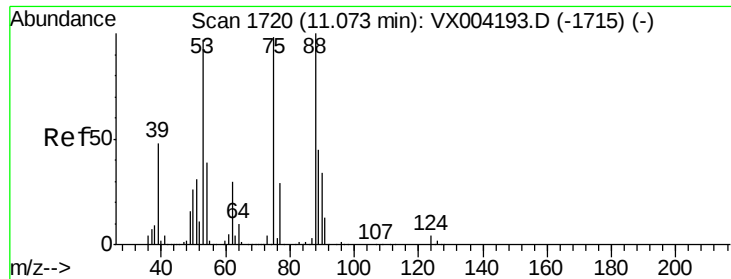
Tgt Ion: 105 Resp: 739642

Ion Ratio Lower Upper

105 100

120 51.4 25.6 76.8





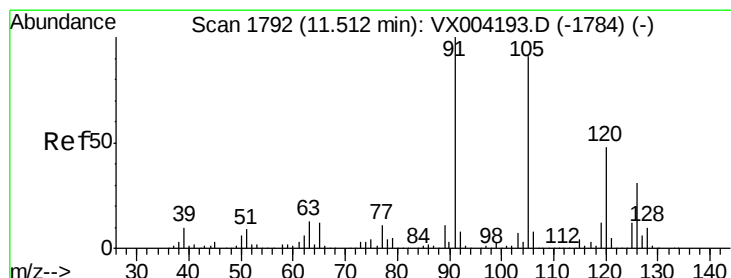
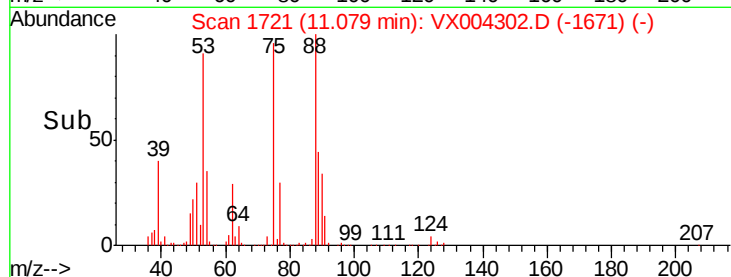
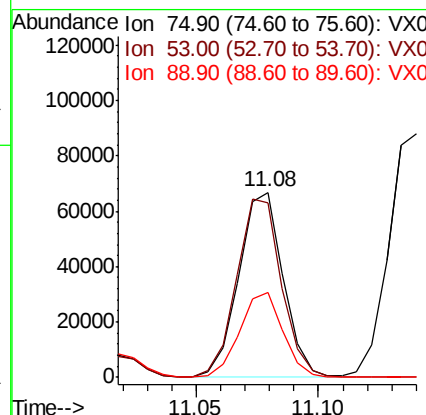
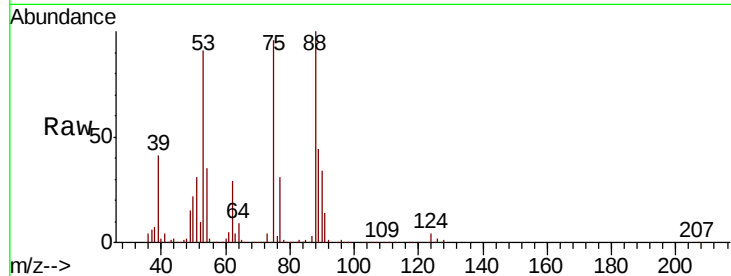
#81
trans-1,4-Dichloro-2-butene
Concen: 53.93 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.01 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.5	80.1	120.1
89	45.0	37.2	55.8

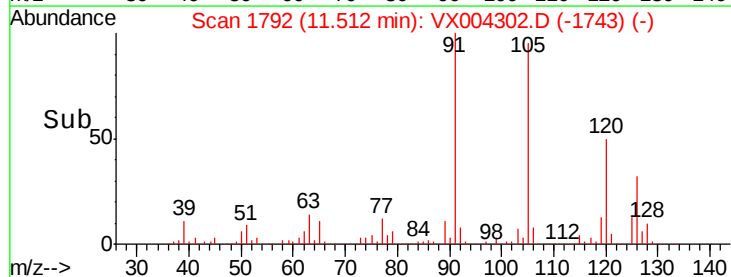
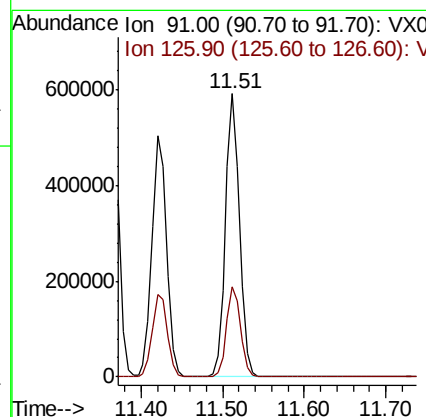
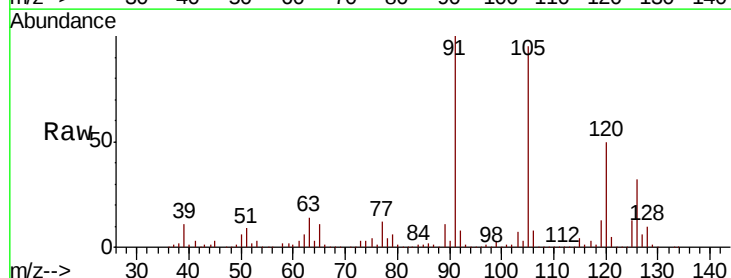
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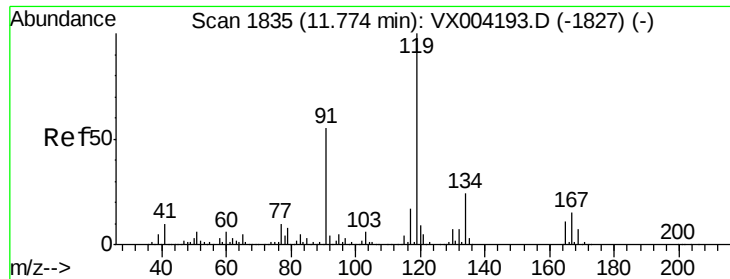
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#82
4-Chlorotoluene
Concen: 52.83 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.5	46.5





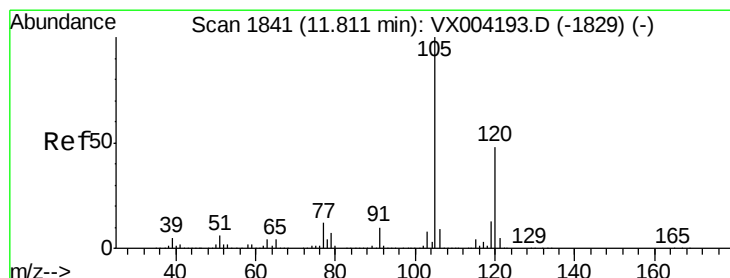
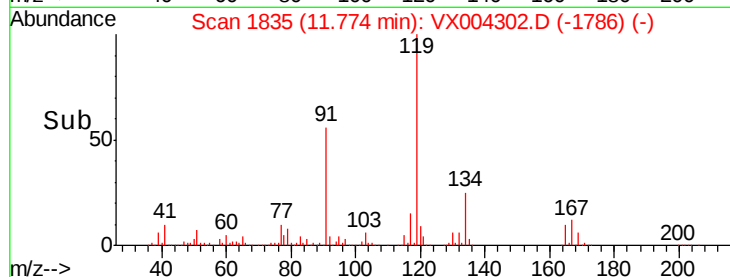
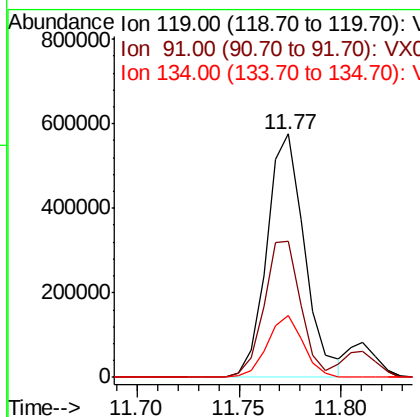
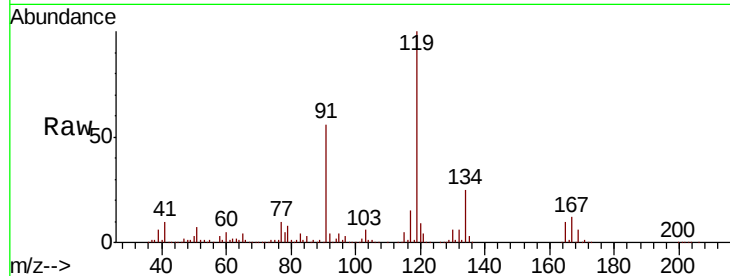
#83
 tert-Butylbenzene
 Concen: 54.83 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004302.D
 Acq: 29 Aug 2018 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	742610		
91	54.3	27.0	81.0	
134	23.9	11.7	35.1	

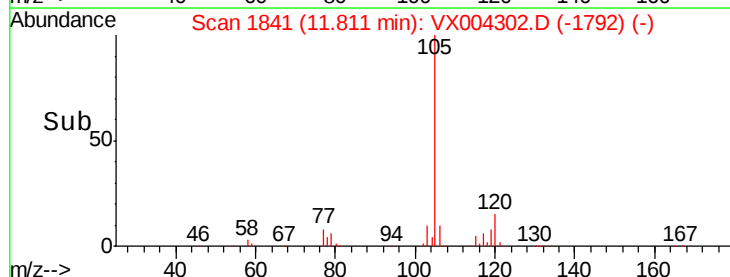
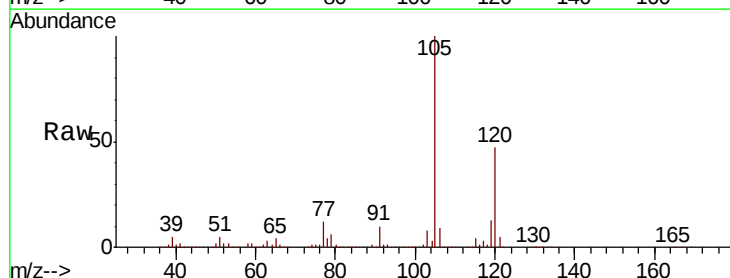
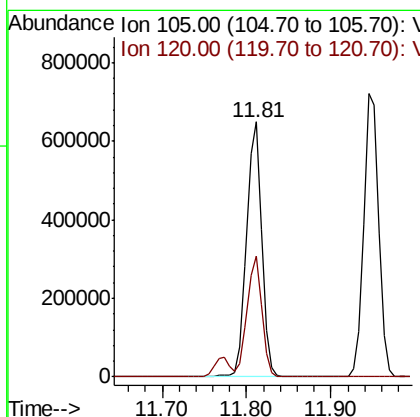
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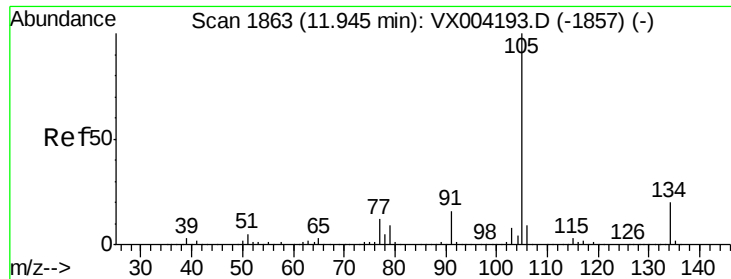
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.45 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004302.D
 Acq: 29 Aug 2018 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	780050		
120	46.4	23.2	69.6	





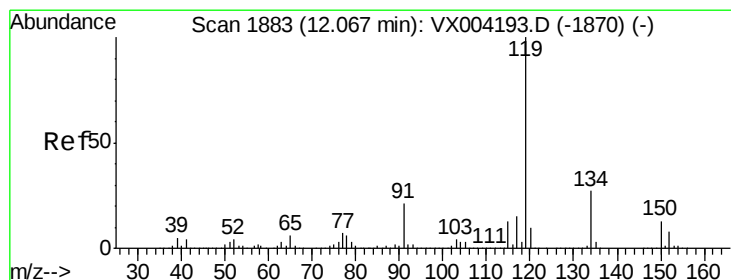
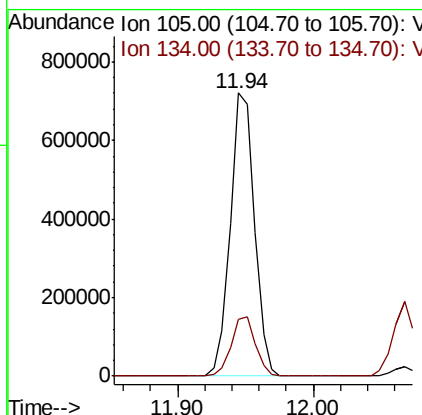
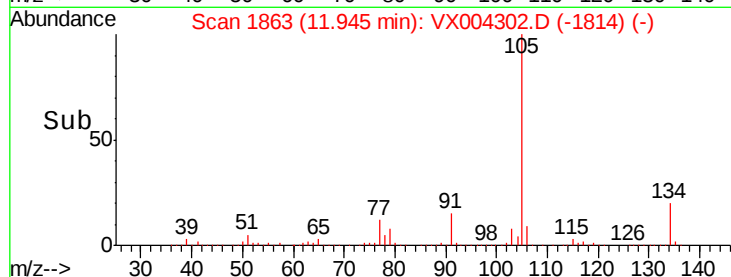
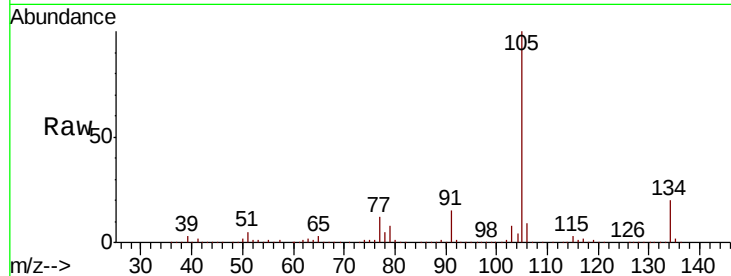
#85
 sec-Butylbenzene
 Concen: 55.37 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004302.D
 Acq: 29 Aug 2018 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.5	31.5

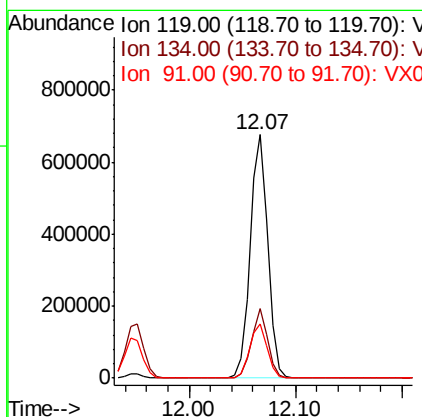
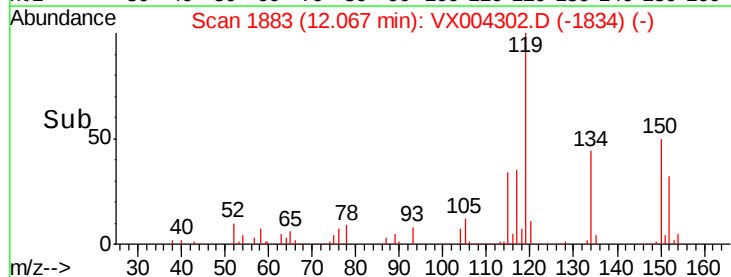
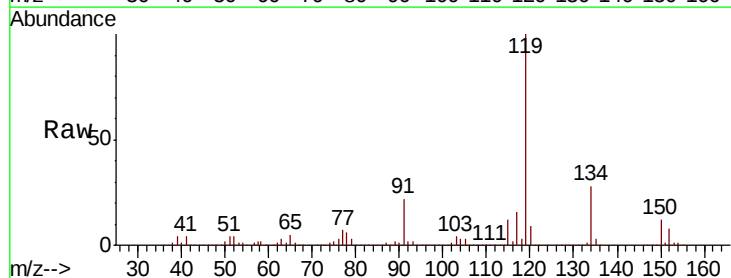
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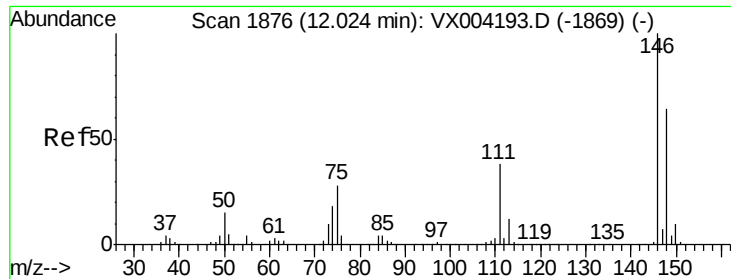
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#86
 p-Isopropyltoluene
 Concen: 54.24 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004302.D
 Acq: 29 Aug 2018 19:51

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.4	40.2
91	22.1	10.9	32.7





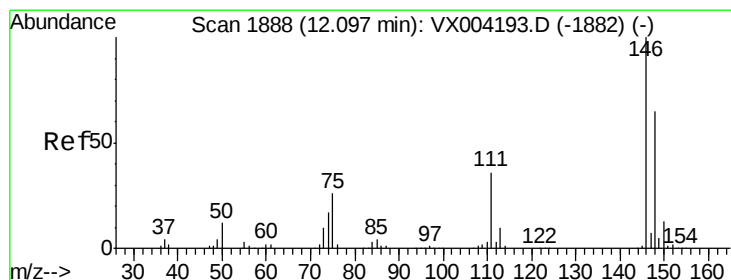
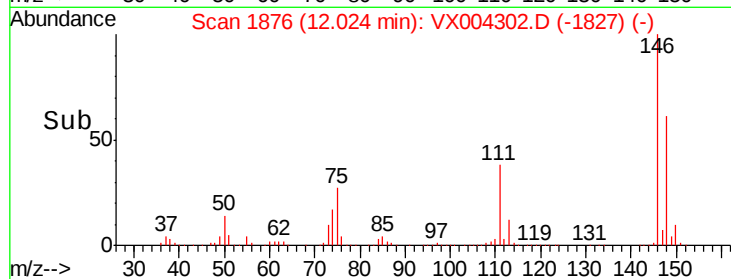
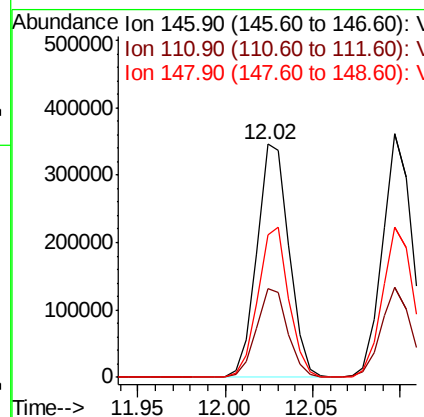
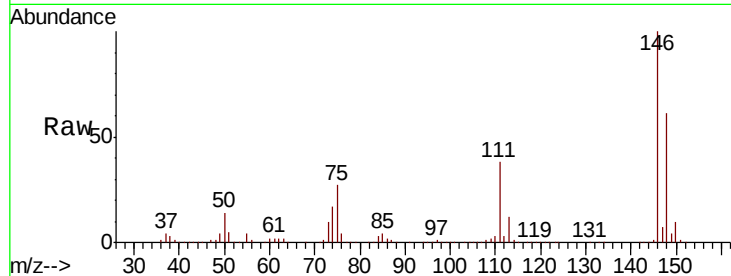
#87
 1,3-Dichlorobenzene
 Concen: 51.35 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004302.D
 Acq: 29 Aug 2018 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.7	56.1
148	62.3	32.1	96.5

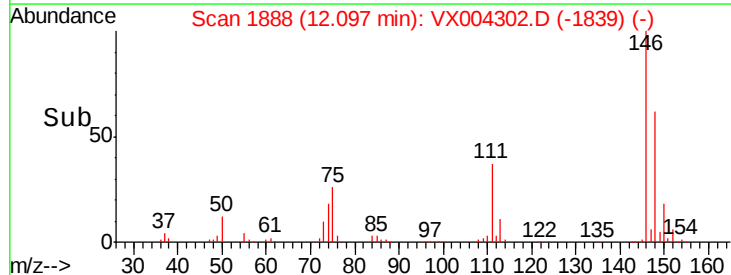
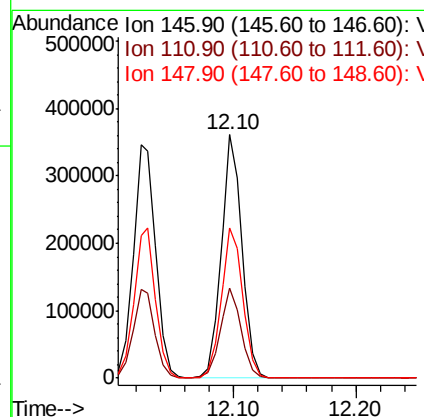
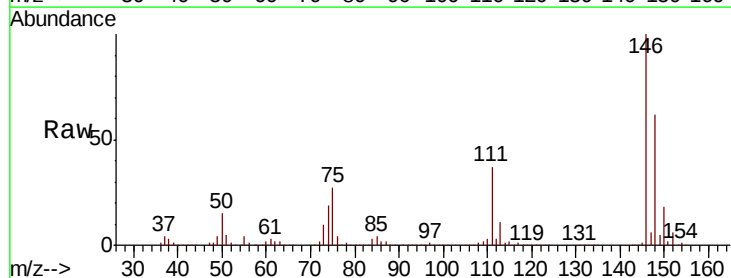
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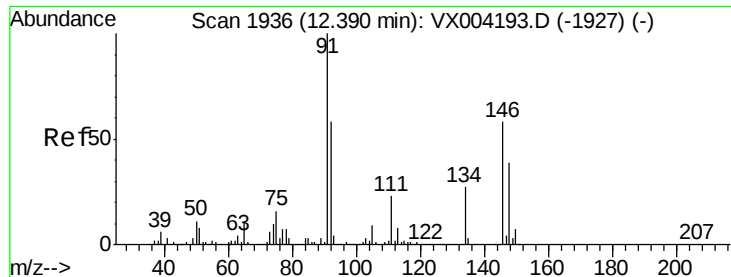
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#88
 1,4-Dichlorobenzene
 Concen: 47.07 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004302.D
 Acq: 29 Aug 2018 19:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.1	54.1
148	63.9	32.0	96.0





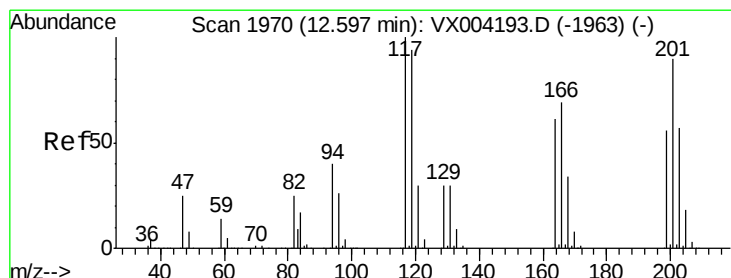
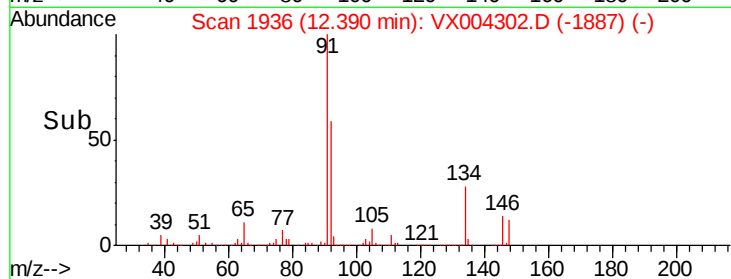
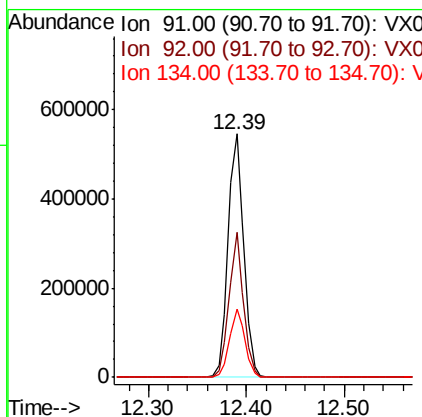
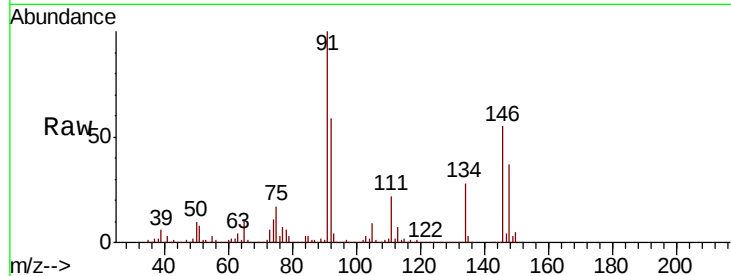
#89
n-Butylbenzene
Concen: 51.94 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	91	Resp	608697
Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.3	81.9
134	27.4	13.6	40.7

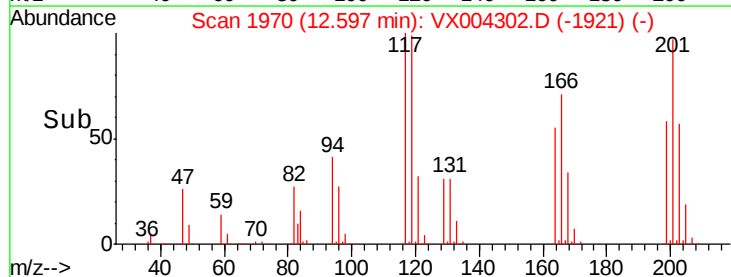
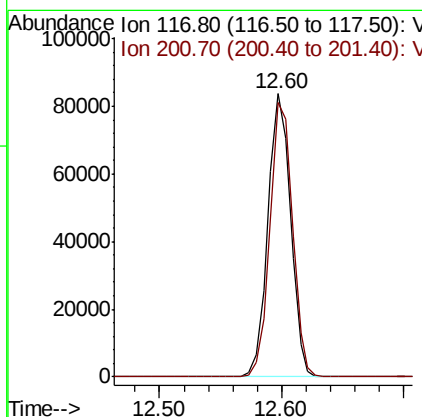
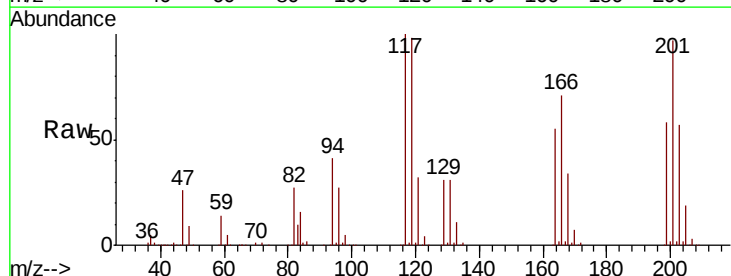
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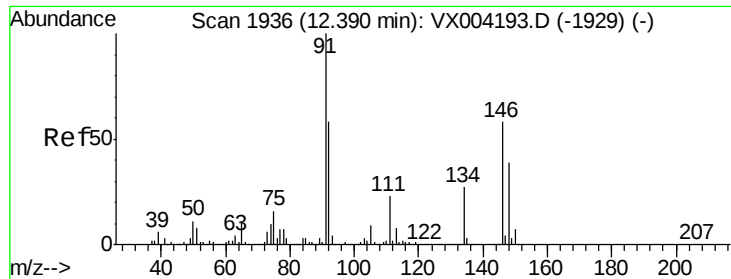
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#90
Hexachloroethane
Concen: 53.70 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Tgt Ion	117	Resp	108161
Ion	Ratio	Lower	Upper
117	100		
201	95.8	46.9	140.6





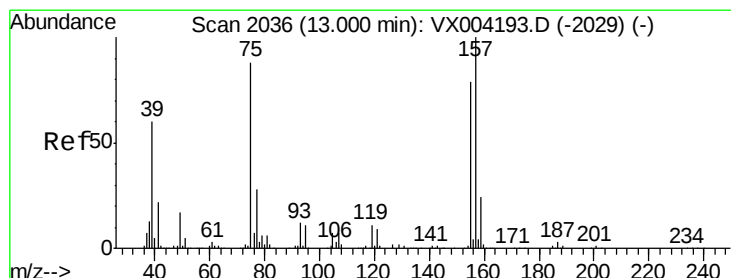
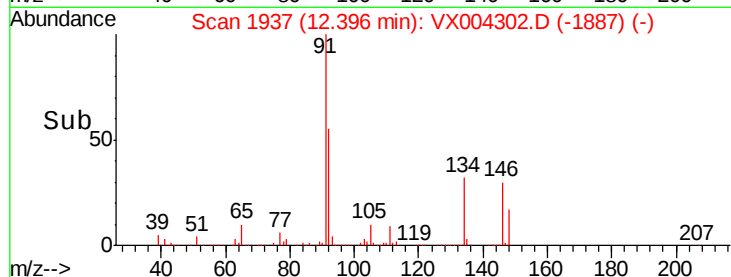
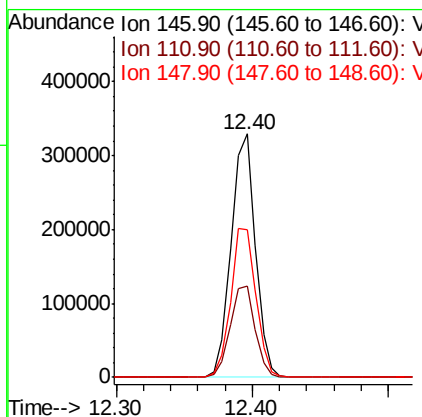
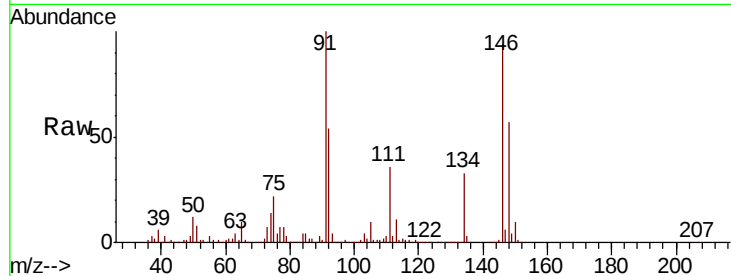
#91
 1,2-Dichlorobenzene
 Concen: 51.95 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.01 min
 Lab File: VX004302.D
 Acq: 29 Aug 2018 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.1
148	63.3	32.8	98.3

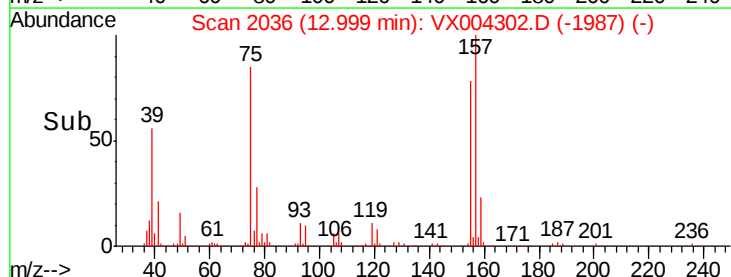
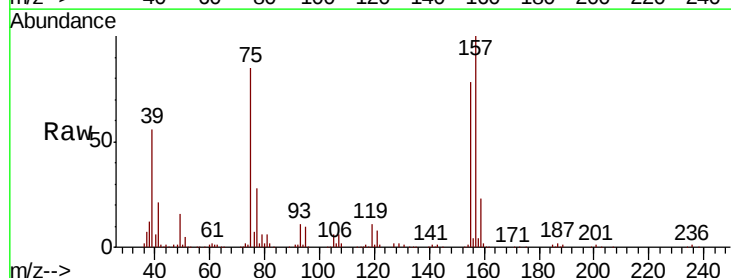
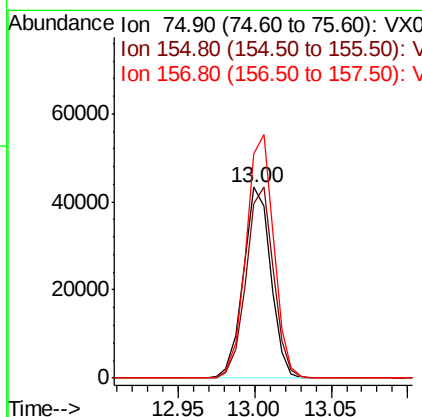
Manual Integrations
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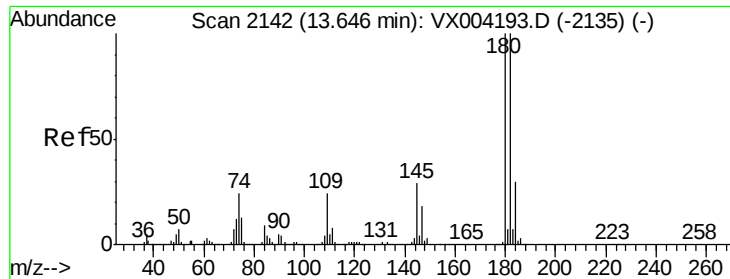
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.88 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004302.D
 Acq: 29 Aug 2018 19:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.7	48.0	144.2
157	128.2	61.4	184.1





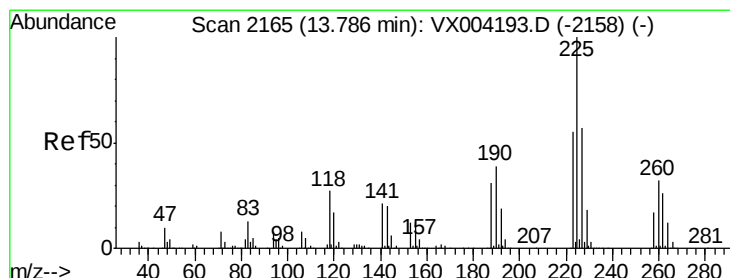
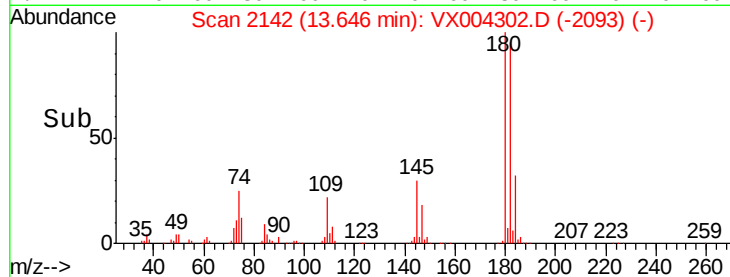
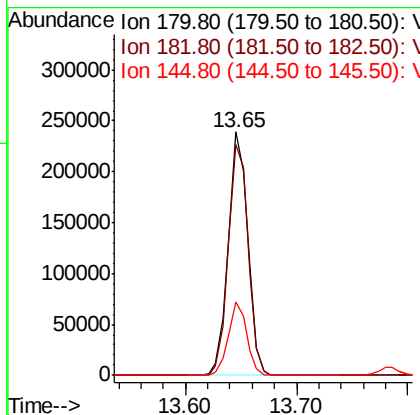
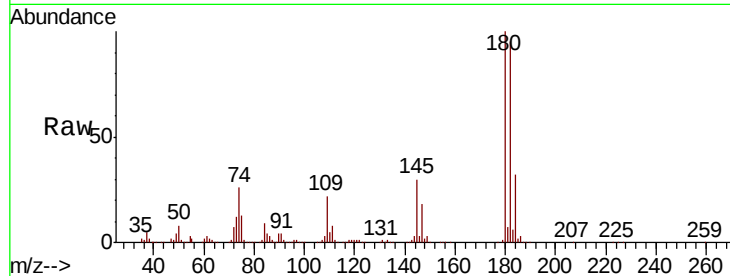
#93
 1,2,4-Trichlorobenzene
 Concen: 50.71 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004302.D
 Acq: 29 Aug 2018 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	289529		
182	96.8	48.4	145.0	
145	28.8	14.3	42.9	

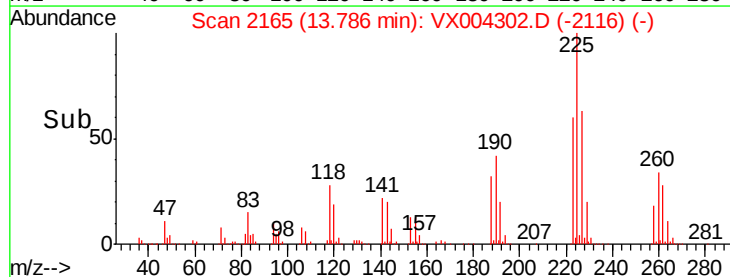
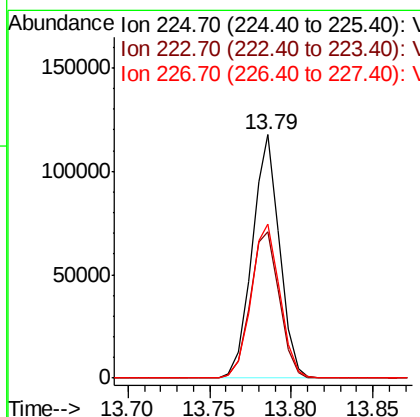
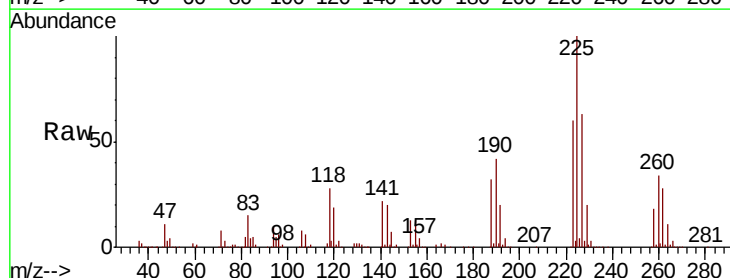
Manual Integrations
 APPROVED

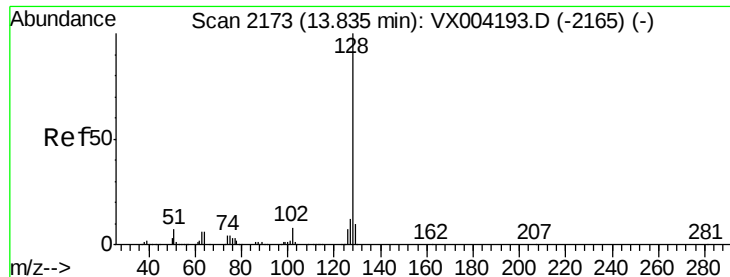
MMDadoda
 8/30/2018 1:38:37 PM



#94
 Hexachlorobutadiene
 Concen: 51.58 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004302.D
 Acq: 29 Aug 2018 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	136984		
223	64.0	30.1	90.5	
227	66.1	30.8	92.4	





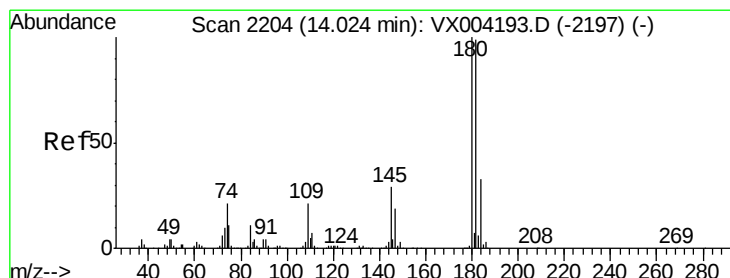
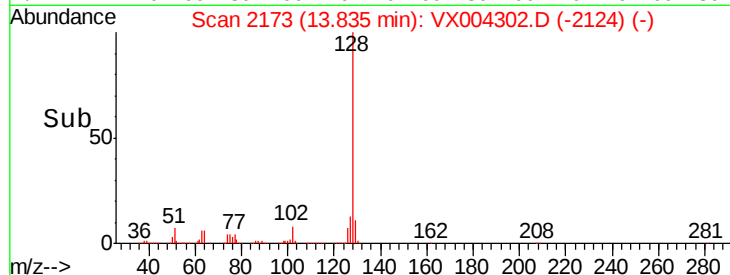
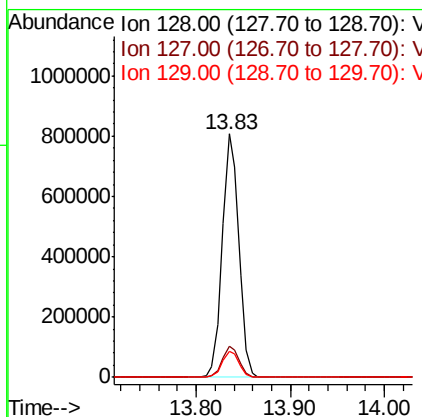
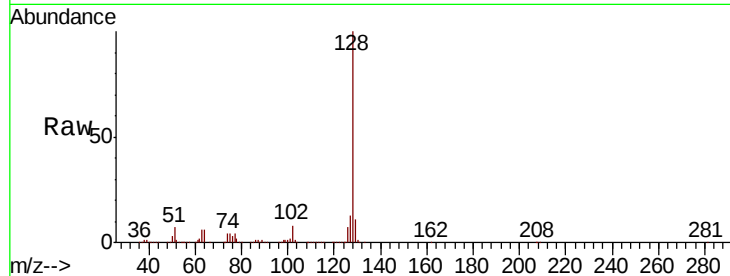
#95
Naphthalene
Concen: 60.90 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

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8/30/2018 1:38:37 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.62 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX004302.D
Acq: 29 Aug 2018 19:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.5	145.6
145	29.8	14.9	44.9

