

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072118\
 Data File : VX003549.D
 Acq On : 21 Jul 2018 12:42
 Operator : JC/SP
 Sample : VX0721WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/23/2018 3:19:12 PM

Quant Time: Jul 23 01:53:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	315139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	404631	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	392177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	232218	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	186260	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
35) Dibromofluoromethane	5.50	113	172592	56.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.00%	
50) Toluene-d8	8.72	98	615207	53.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.22%	
62) 4-Bromofluorobenzene	11.14	95	222883	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	57000	22.385	ug/l	100
3) Chloromethane	1.32	50	72869	22.861	ug/l	99
4) Vinyl Chloride	1.40	62	79274	19.802	ug/l	95
5) Bromomethane	1.64	94	40485	24.138	ug/l	84
6) Chloroethane	1.73	64	47778	20.168	ug/l	99
7) Trichlorofluoromethane	1.93	101	104789	19.620	ug/l	95
8) Diethyl Ether	2.18	74	46528	20.283	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.39	101	67309	19.255	ug/l	98
10) Methyl Iodide	2.51	142	84493	20.120	ug/l	93
11) Tert butyl alcohol	3.06	59	78656	106.556	ug/l	100
12) 1,1-Dichloroethene	2.37	96	65626	20.389	ug/l	84
13) Acrolein	2.29	56	28033	84.051	ug/l	94
14) Allyl chloride	2.73	41	119828	21.030	ug/l	86
15) Acrylonitrile	3.15	53	193280	102.845	ug/l	97
16) Acetone	2.45	43	148144	105.136	ug/l #	81
17) Carbon Disulfide	2.57	76	174407	20.035	ug/l	100
18) Methyl Acetate	2.78	43	97733	22.001	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	227079	21.605	ug/l	100
20) Methylene Chloride	2.86	84	76263	21.644	ug/l #	78
21) trans-1,2-Dichloroethene	3.17	96	74311	20.750	ug/l	90
22) Diisopropyl ether	3.87	45	230542	21.502	ug/l #	92
23) Vinyl Acetate	3.82	43	953100	107.919	ug/l	96
24) 1,1-Dichloroethane	3.70	63	135113	21.479	ug/l	97
25) 2-Butanone	4.70	43	247807	104.818	ug/l	94
26) 2,2-Dichloropropane	4.58	77	100976	21.134	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	83018	20.819	ug/l	96
28) Bromochloromethane	5.01	49	59666	21.700	ug/l	91
29) Tetrahydrofuran	5.16	42	157497	100.847	ug/l	92
30) Chloroform	5.22	83	130356	21.221	ug/l	95
31) Cyclohexane	5.57	56	115223	20.500	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	109972	20.906	ug/l	98
36) 1,1-Dichloropropene	5.80	75	94724	21.683	ug/l	97
37) Ethyl Acetate	4.85	43	93768	22.682	ug/l #	96
38) Carbon Tetrachloride	5.78	117	98120	22.898	ug/l	94

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	106038	20.493	ug/l	95
40) Benzene	6.15	78	286581	21.727	ug/l	97
41) Methacrylonitrile	5.05	41	55819	22.974	ug/l	93
42) 1,2-Dichloroethane	6.20	62	93682	22.542	ug/l	97
43) Isopropyl Acetate	6.46	43	137962	20.980	ug/l	94
44) Trichloroethene	7.21	130	81862	20.811	ug/l	99
45) 1,2-Dichloropropane	7.52	63	69945	20.884	ug/l	99
46) Dibromomethane	7.67	93	45839	21.259	ug/l	97
47) Bromodichloromethane	7.90	83	84364	21.372	ug/l	96
48) Methyl methacrylate	7.78	41	70621	21.295	ug/l	85
49) 1,4-Dioxane	7.76	88	30537	406.403	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	448823	108.035	ug/l	92
52) Toluene	8.79	92	175400	21.126	ug/l	97
53) t-1,3-Dichloropropene	8.44	75	104021	21.410	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	93420	21.381	ug/l #	89
55) 1,1,2-Trichloroethane	9.22	97	70028	21.196	ug/l	99
56) Ethyl methacrylate	9.18	69	96529	20.744	ug/l #	83
57) 1,3-Dichloropropane	9.37	76	116178	21.755	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	235500	104.079	ug/l	98
59) 2-Hexanone	9.50	43	334240	108.586	ug/l	91
60) Dibromochloromethane	9.59	129	67454	20.627	ug/l	99
61) 1,2-Dibromoethane	9.68	107	71907	20.996	ug/l	100
64) Tetrachloroethene	9.34	164	98216	20.555	ug/l	99
65) Chlorobenzene	10.14	112	199372	19.731	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	69127	19.884	ug/l	99
67) Ethyl Benzene	10.26	91	326429	20.092	ug/l	100
68) m/p-Xylenes	10.36	106	257918	40.494	ug/l	97
69) o-Xylene	10.70	106	121992	19.807	ug/l	96
70) Styrene	10.71	104	204891	20.224	ug/l	97
71) Bromoform	10.86	173	51970	19.240	ug/l #	100
73) Isopropylbenzene	11.02	105	333379	20.758	ug/l	100
74) N-amyl acetate	6.46	43	137962	20.231	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	91033	19.343	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	83422m	19.997	ug/l	
77) Bromobenzene	11.26	156	91760	19.865	ug/l	96
78) n-propylbenzene	11.36	91	356240	19.955	ug/l	98
79) 2-Chlorotoluene	11.42	91	215355	19.871	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	267783	20.288	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	25576	18.955	ug/l	94
82) 4-Chlorotoluene	11.51	91	249330	19.634	ug/l	97
83) tert-Butylbenzene	11.77	119	257250	19.902	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	276137	20.561	ug/l	97
85) sec-Butylbenzene	11.95	105	315131	20.072	ug/l	99
86) p-Isopropyltoluene	12.07	119	288393	20.468	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	165782	19.525	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	167398	19.139	ug/l	99
89) n-Butylbenzene	12.39	91	236584	19.774	ug/l	99
90) Hexachloroethane	12.60	117	37349	18.647	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	165635	19.793	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16645	18.174	ug/l	86

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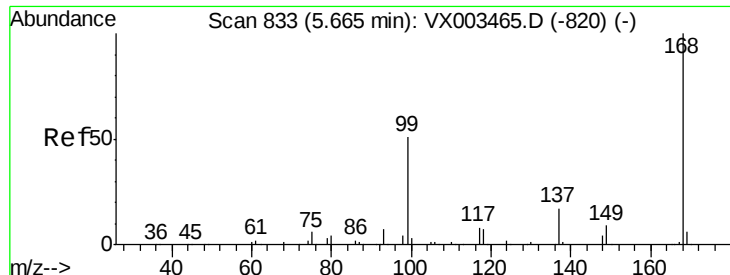
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	120387	19.629	ug/l	99
94) Hexachlorobutadiene	13.79	225	57415	19.465	ug/l	100
95) Naphthalene	13.83	128	319669	19.835	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	121308	19.980	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBS01

Tgt Ion:168 Resp: 315139

Ion Ratio Lower Upper

168 100

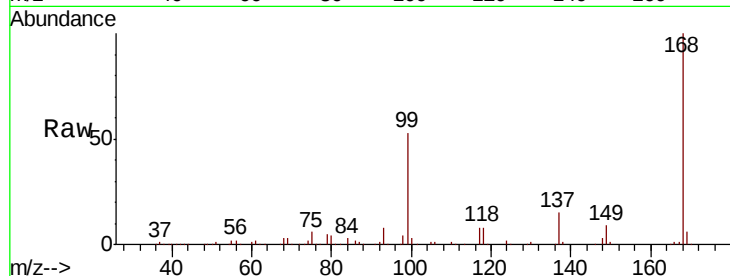
99 52.5 39.3 58.9

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

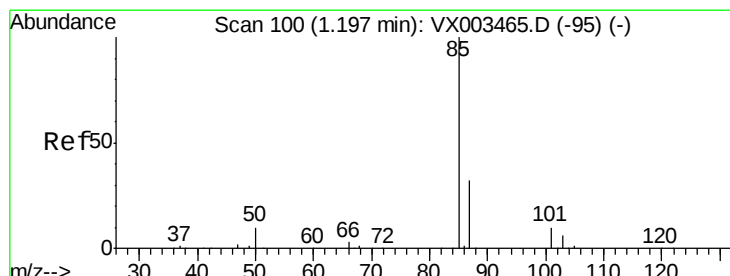
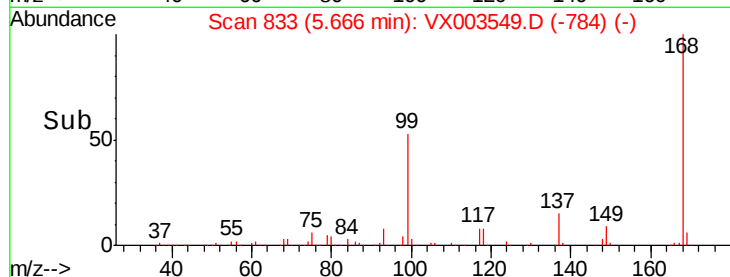
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.385 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003549.D

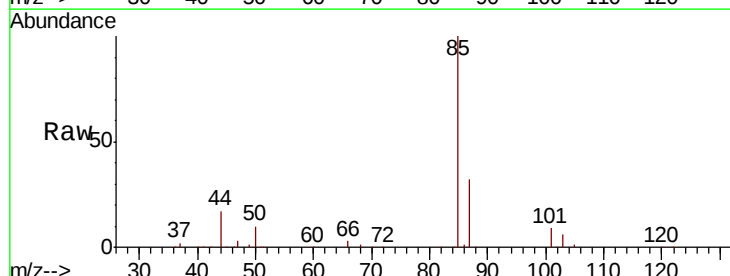
Acq: 21 Jul 2018 12:42

Tgt Ion: 85 Resp: 57000

Ion Ratio Lower Upper

85 100

87 32.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

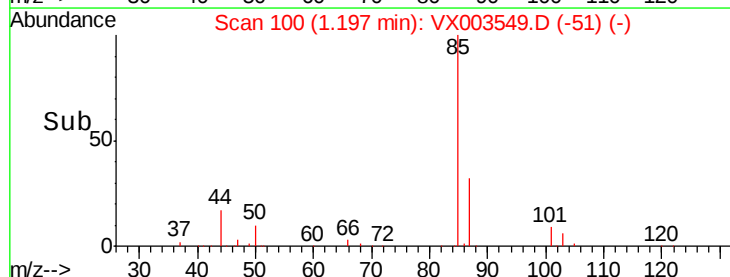
60000

40000

20000

0

Time-->





#3

Chloromethane

Concen: 22.861 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBS01

Tgt Ion: 50 Resp: 72869

Ion Ratio Lower Upper

50 100

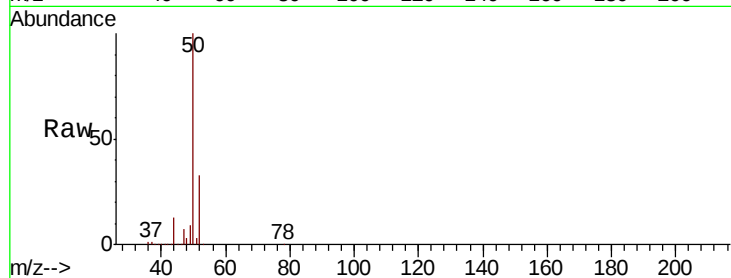
52 32.6 25.7 38.5

Manual Integrations

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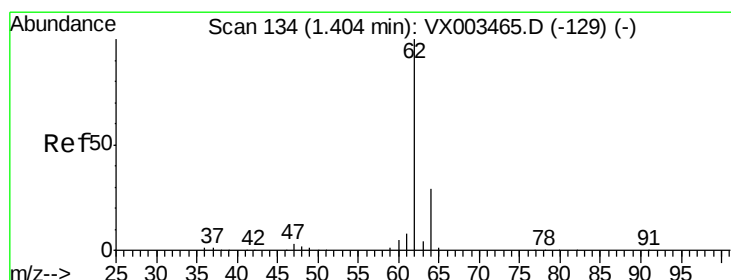
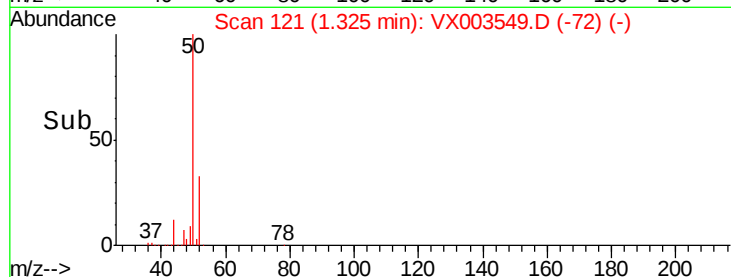
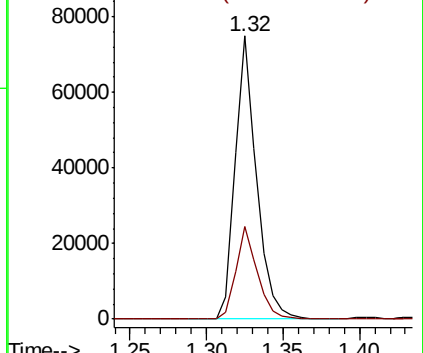
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.802 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003549.D

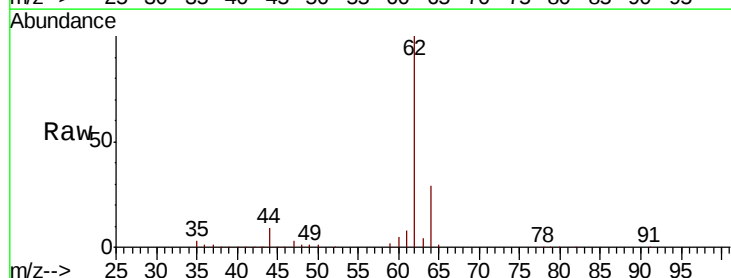
Acq: 21 Jul 2018 12:42

Tgt Ion: 62 Resp: 79274

Ion Ratio Lower Upper

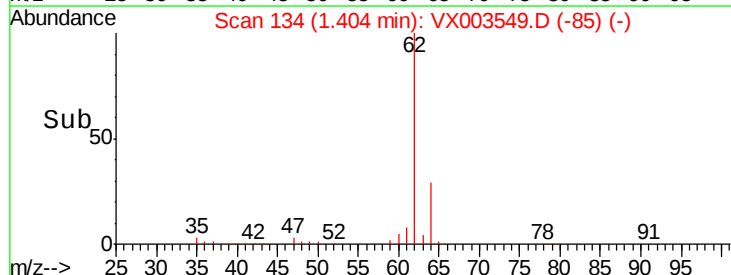
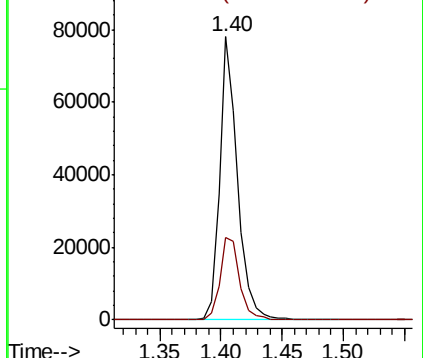
62 100

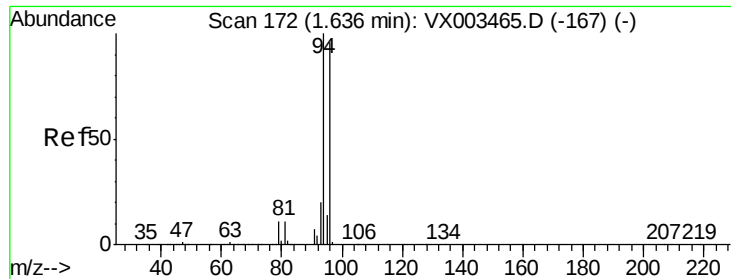
64 28.9 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 24.138 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBS01

Tgt Ion: 94 Resp: 40485

Ion Ratio Lower Upper

94 100

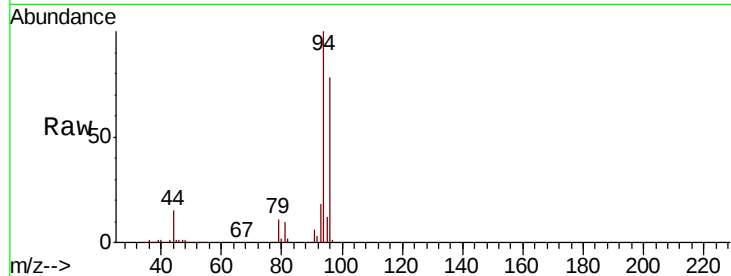
96 78.2 74.9 112.3

Manual Integrations

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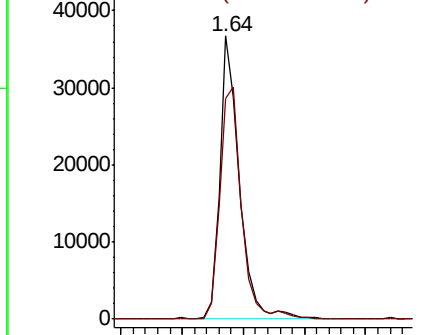
MMDadoda

7/23/2018 3:19:12 PM

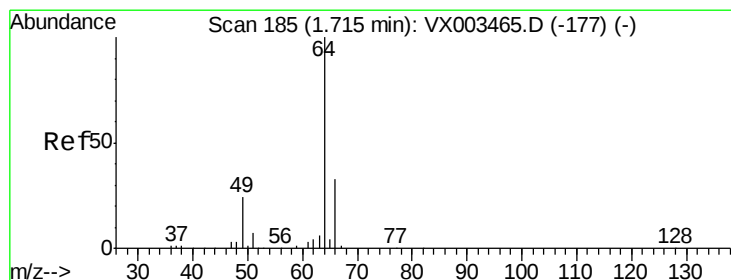
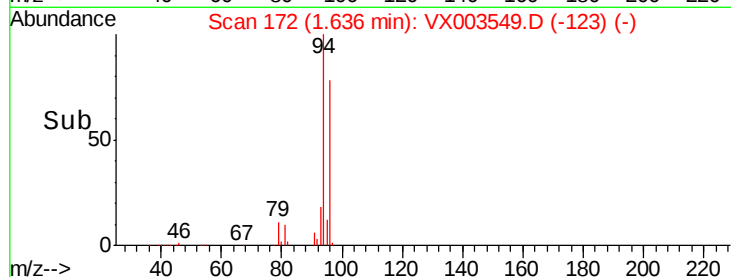


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 20.168 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003549.D

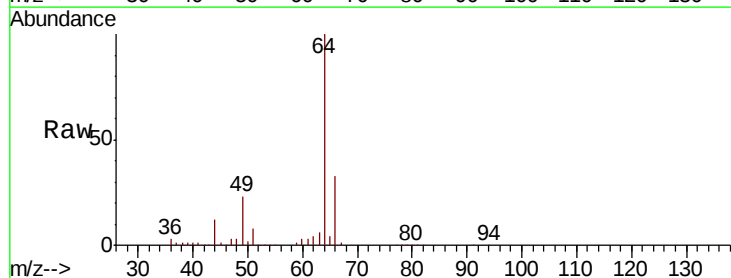
Acq: 21 Jul 2018 12:42

Tgt Ion: 64 Resp: 47778

Ion Ratio Lower Upper

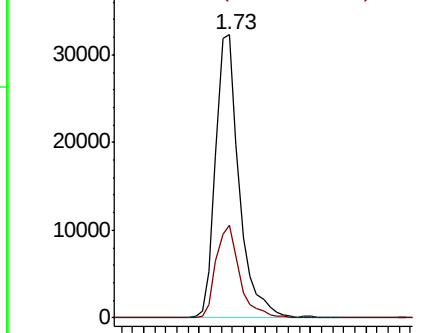
64 100

66 32.5 25.5 38.3

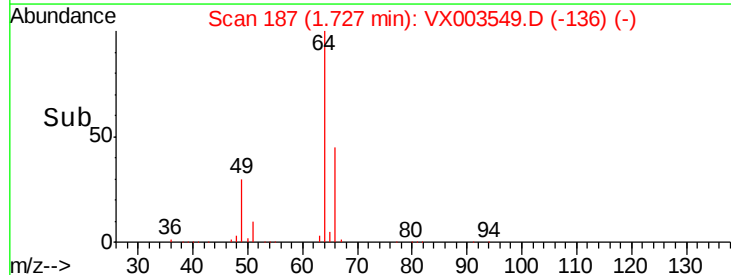


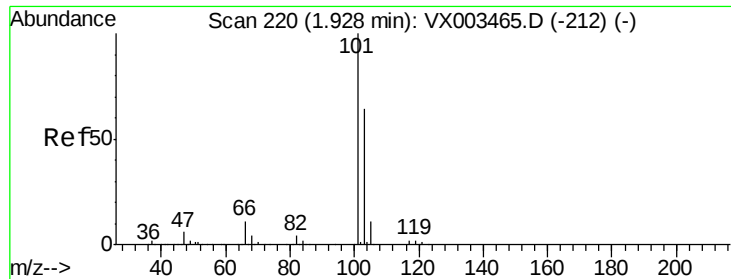
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->





#7

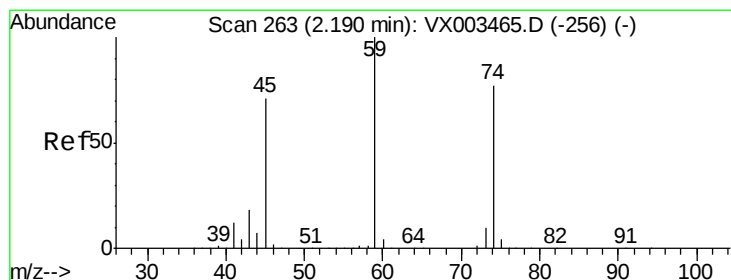
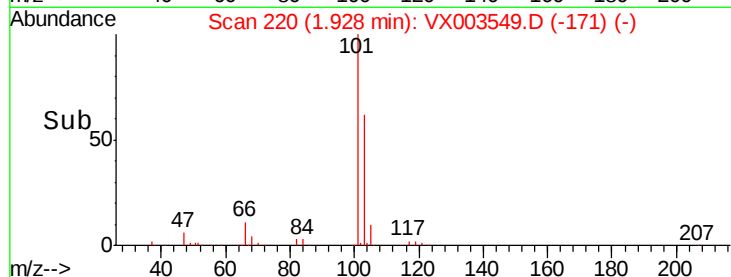
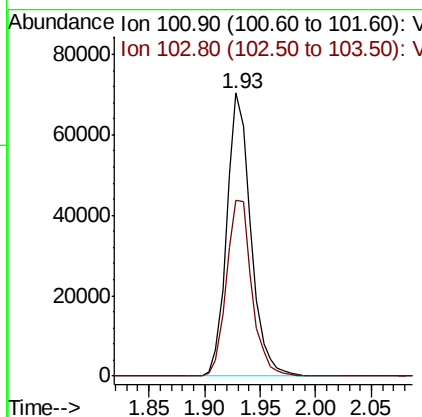
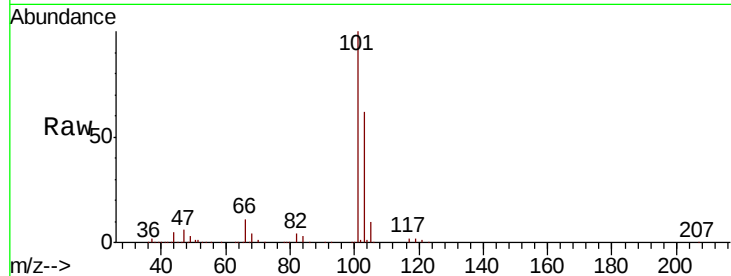
Trichlorofluoromethane
 Concen: 19.620 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VX003549.D
 Acq: 21 Jul 2018 12:42

Instrument :
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	62.0	52.8	79.2

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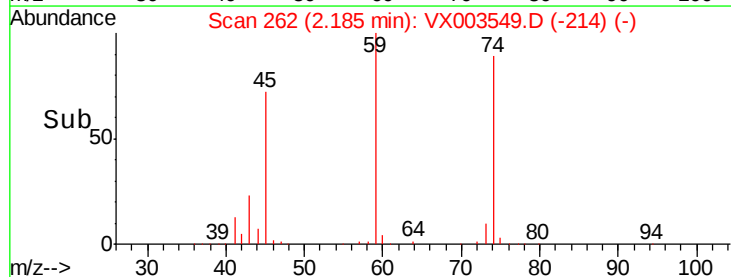
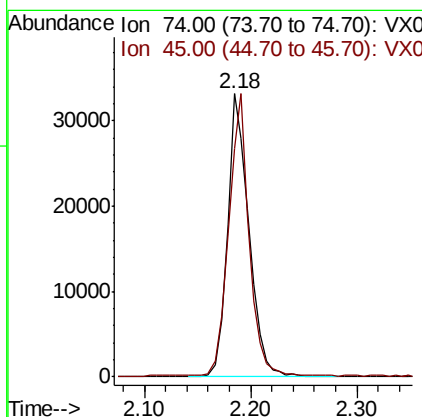
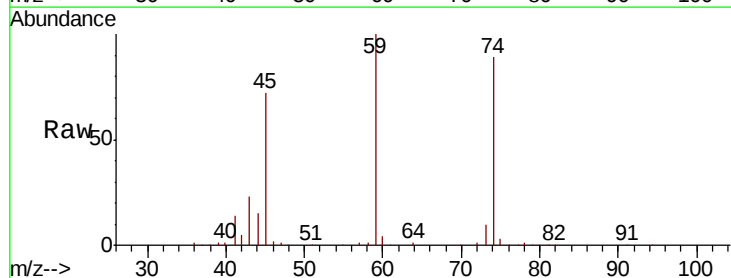
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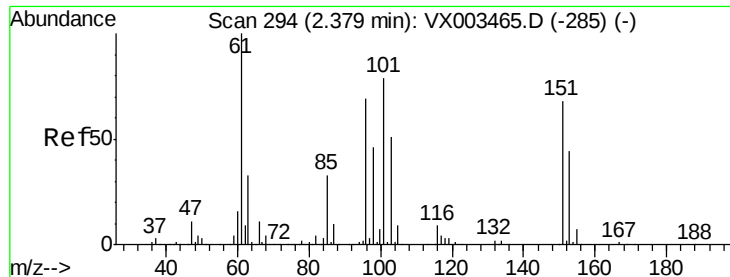


#8

Diethyl Ether
 Concen: 20.283 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.01 min
 Lab File: VX003549.D
 Acq: 21 Jul 2018 12:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.4	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.255 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBS01

Tgt Ion:101 Resp: 67309

Ion Ratio Lower Upper

101 100

85 44.0 36.0 54.0

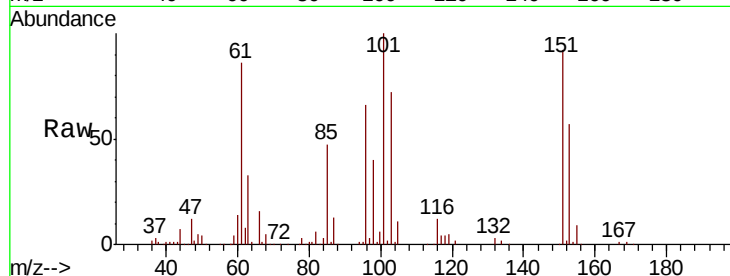
151 91.4 70.9 106.3

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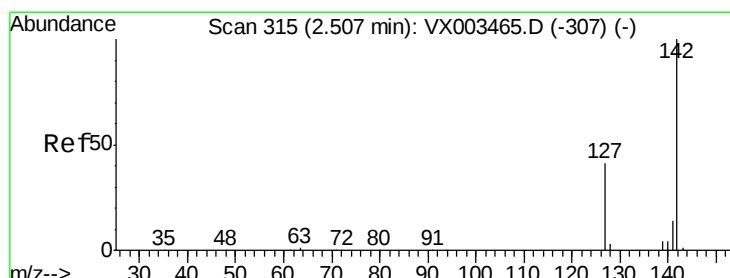
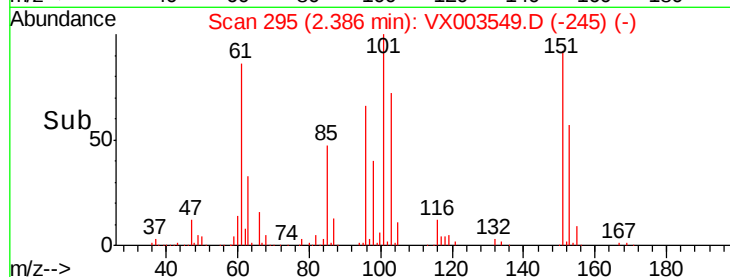
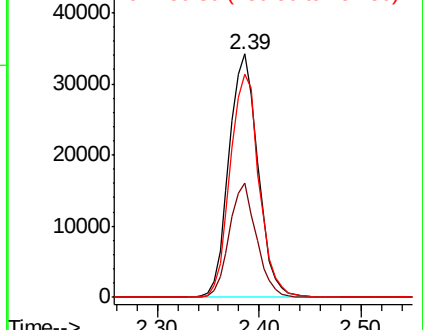
7/23/2018 3:19:12 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.120 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

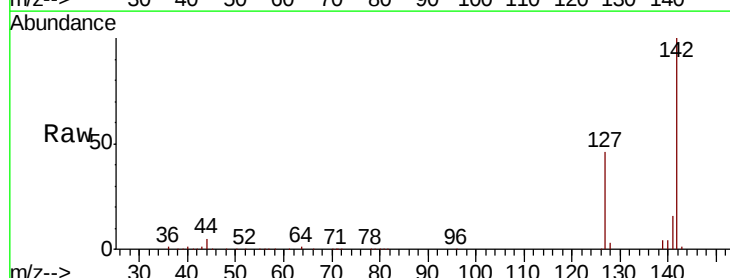
Tgt Ion:142 Resp: 84493

Ion Ratio Lower Upper

142 100

127 40.0 36.6 55.0

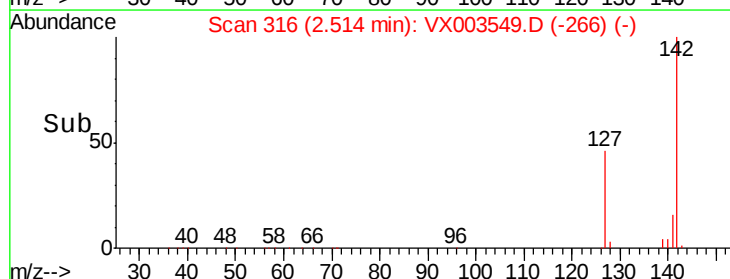
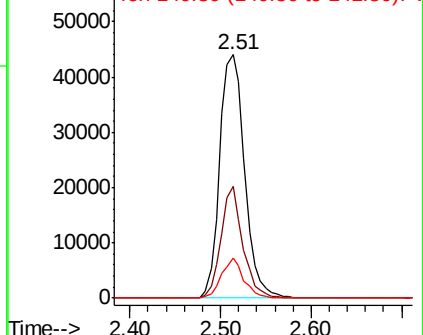
141 14.8 11.3 16.9

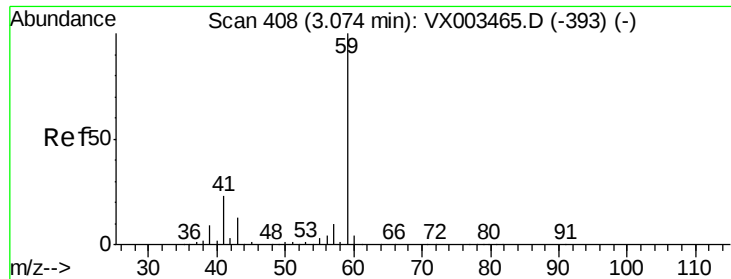


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

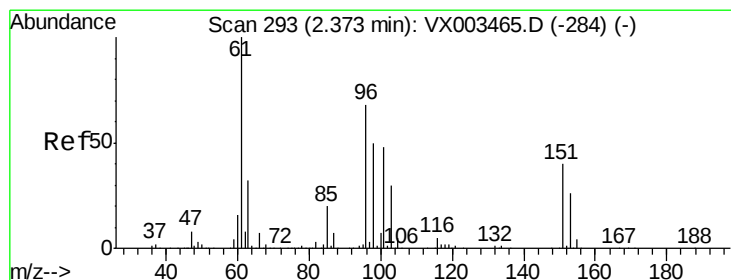
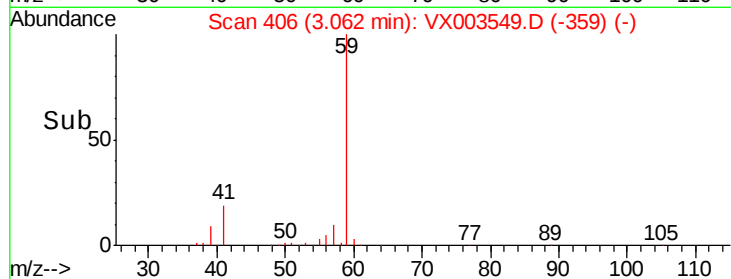
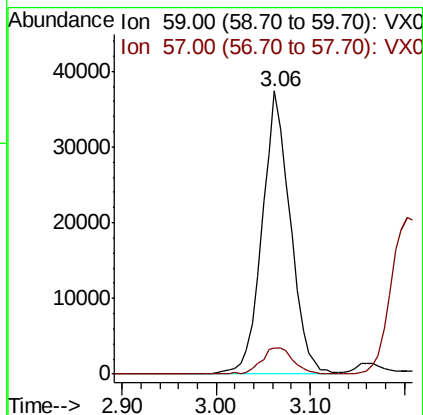
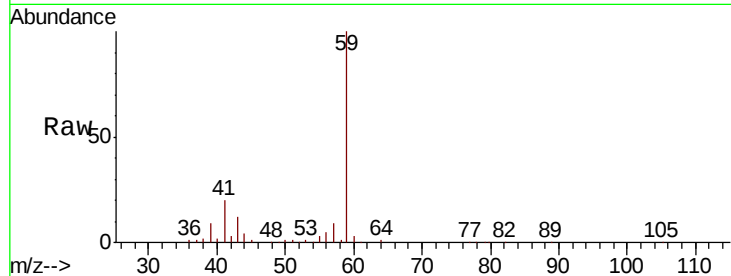
Tert butyl alcohol
Concen: 106.556 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.01 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS01

Tgt Ion: 59 Resp: 78656
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2

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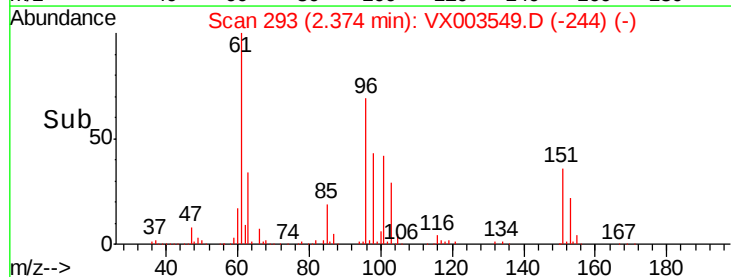
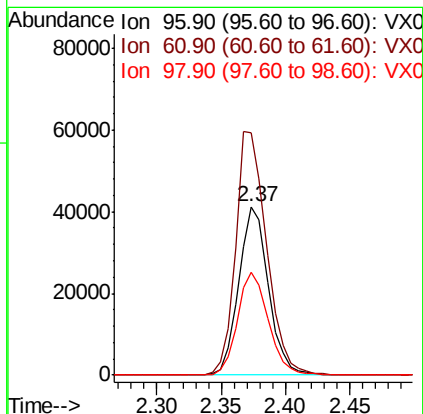
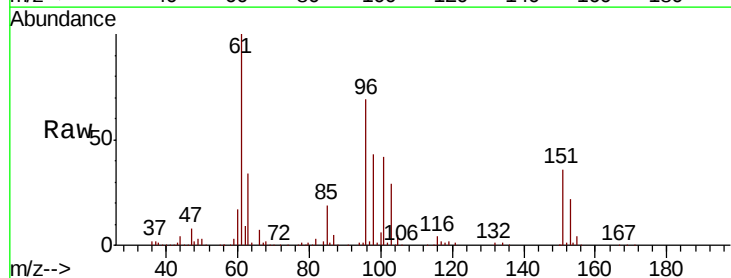
MMDadoda
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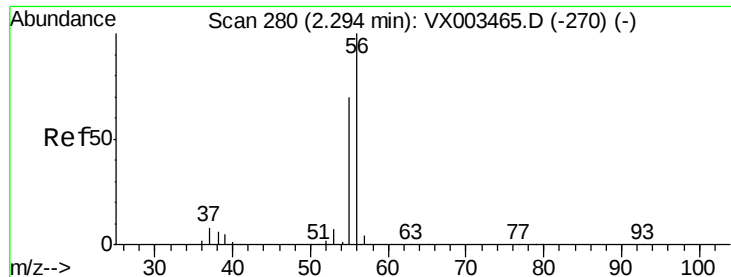


#12

1,1-Dichloroethene
Concen: 20.389 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Tgt Ion: 96 Resp: 65626
Ion Ratio Lower Upper
96 100
61 144.3 137.9 206.9
98 61.5 51.6 77.4





#13

Acrolein

Concen: 84.051 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBS01

Tgt Ion: 56 Resp: 28033

Ion Ratio Lower Upper

56 100

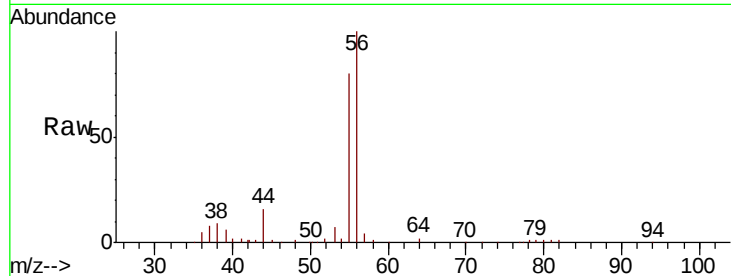
55 75.8 57.0 85.4

Manual Integrations

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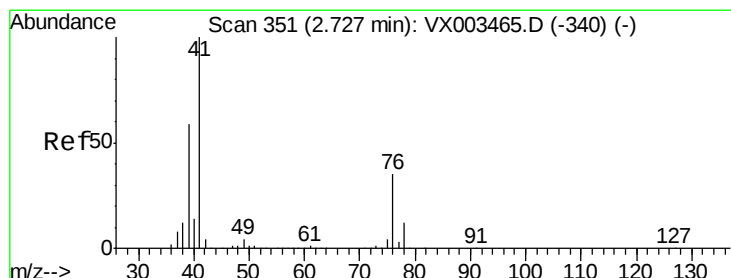
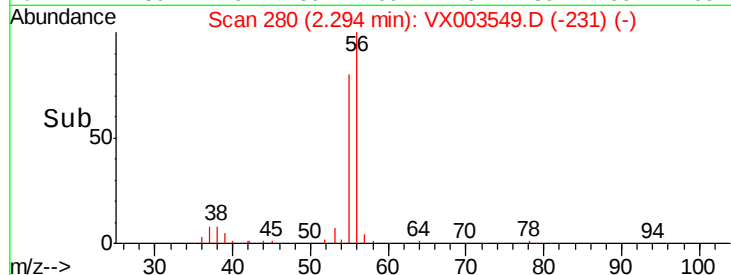
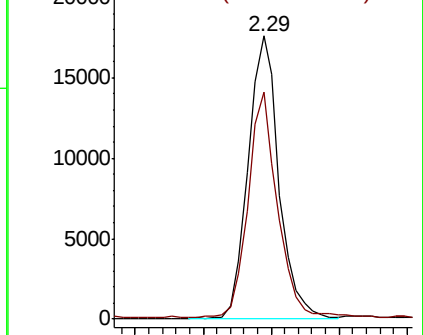
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 21.030 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

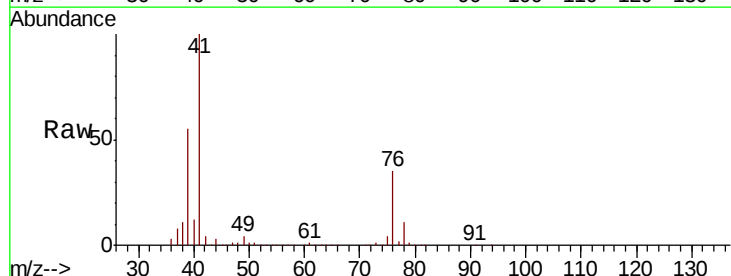
Tgt Ion: 41 Resp: 119828

Ion Ratio Lower Upper

41 100

39 57.6 56.8 85.2

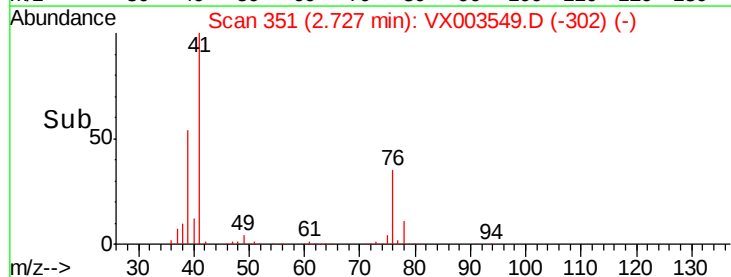
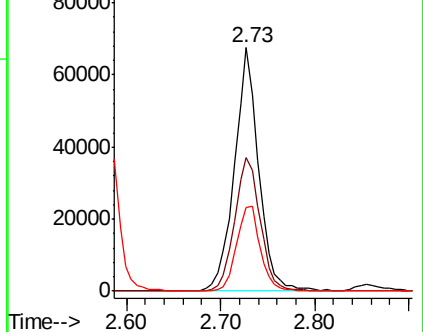
76 34.3 23.8 35.8

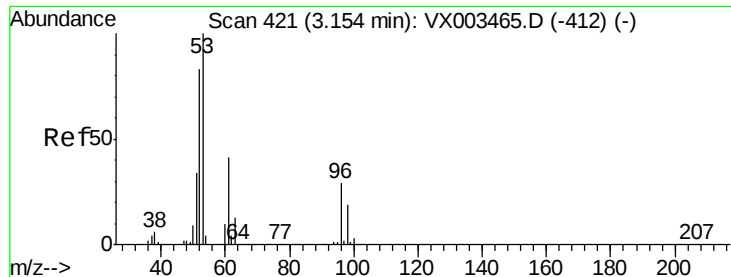


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 102.845 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

Instrument :

MSVOA_X

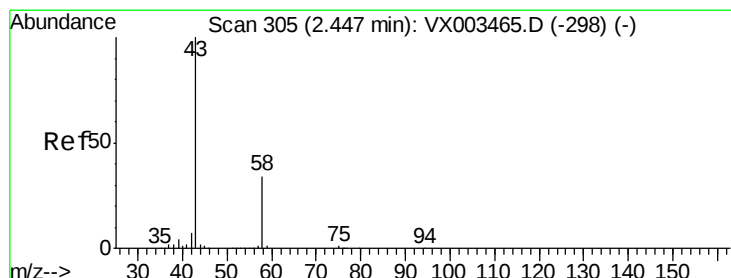
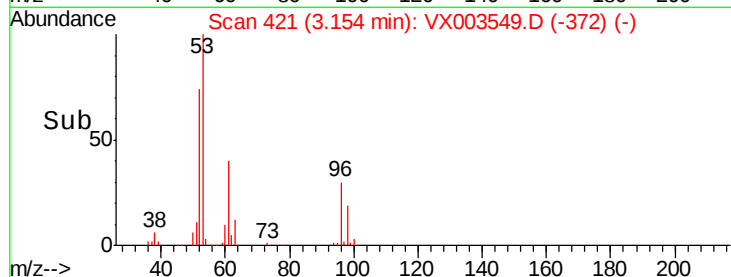
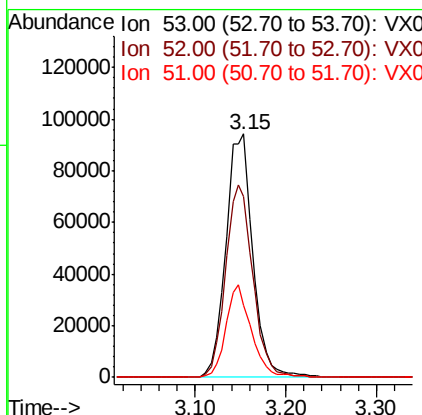
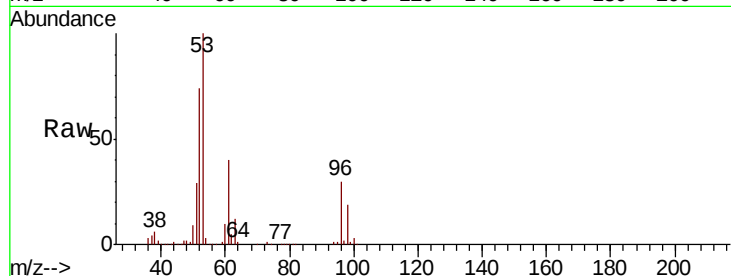
ClientSampleId :

VX0721WBS01

Tgt Ion:	53	Resp:	193280
Ion	Ratio	Lower	Upper
53	100		
52	80.1	66.7	100.1
51	35.9	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 105.136 ug/l

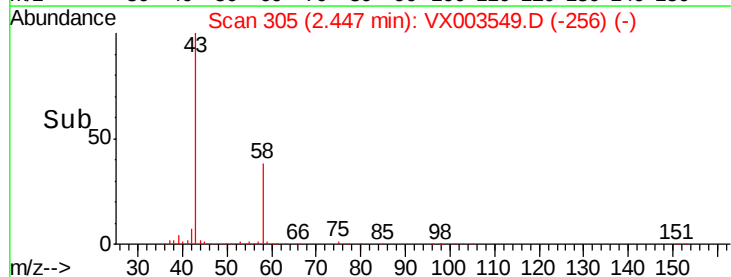
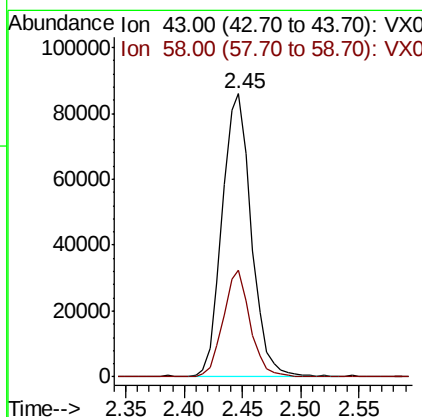
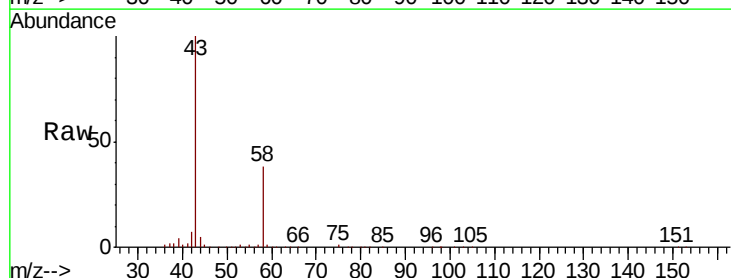
RT: 2.45 min Scan# 305

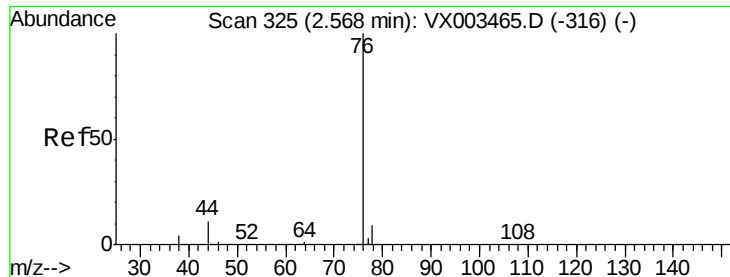
Delta R.T. 0.00 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

Tgt Ion:	43	Resp:	148144
Ion	Ratio	Lower	Upper
43	100		
58	37.7	22.1	33.1#





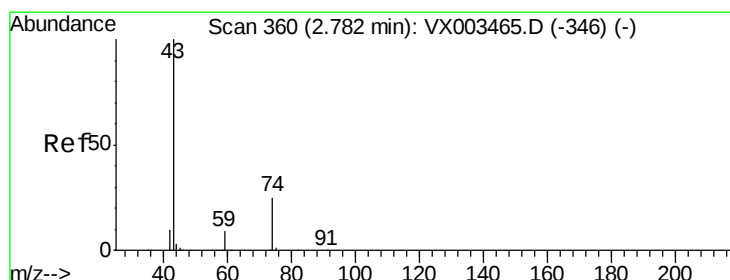
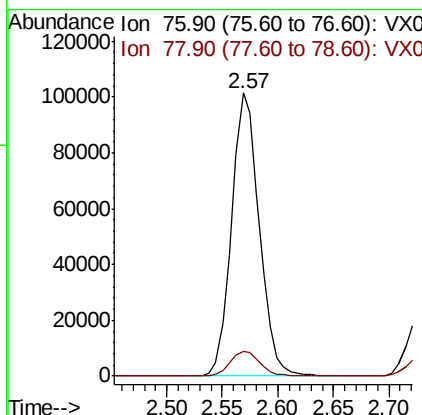
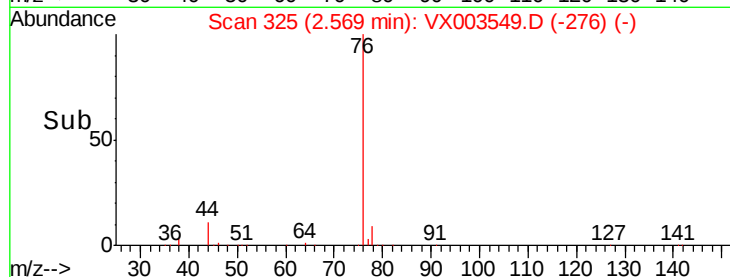
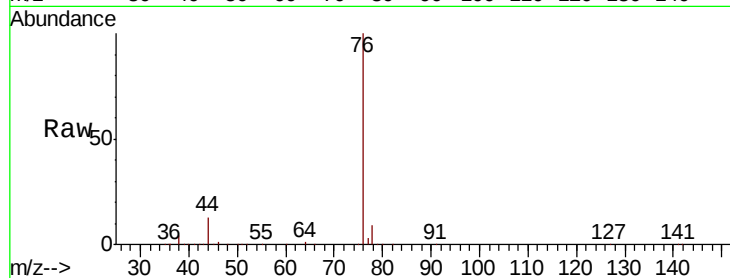
#17
Carbon Disulfide
Concen: 20.035 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS01

Tgt Ion: 76 Resp: 174407
Ion Ratio Lower Upper
76 100
78 8.7 6.9 10.3

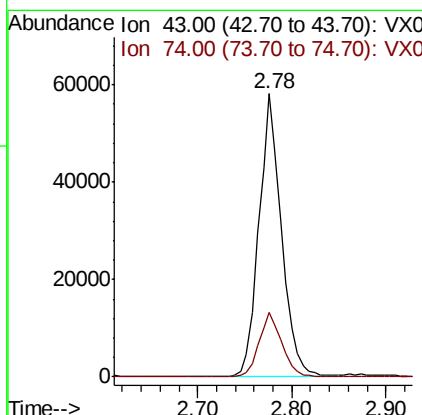
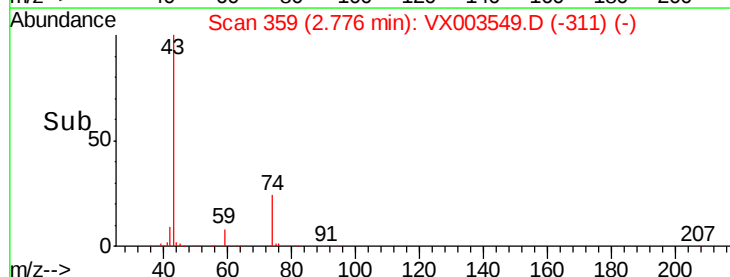
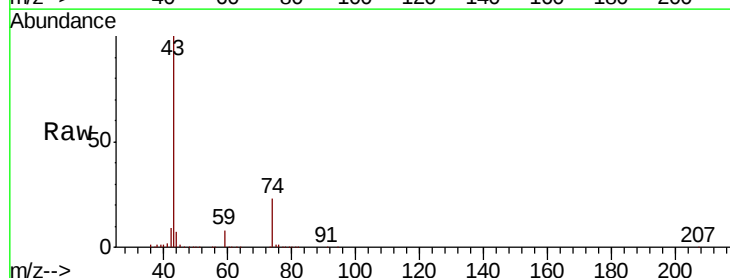
Manual Integrations
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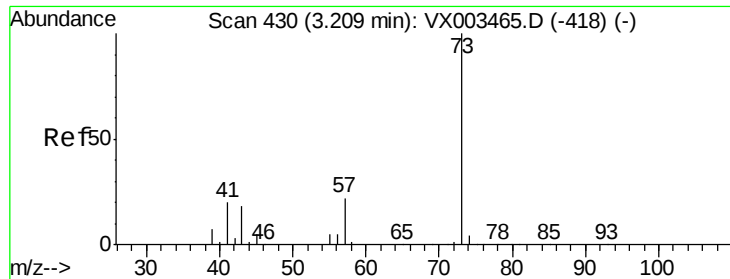
MMDadoda
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#18
Methyl Acetate
Concen: 22.001 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Tgt Ion: 43 Resp: 97733
Ion Ratio Lower Upper
43 100
74 23.3 16.7 25.1





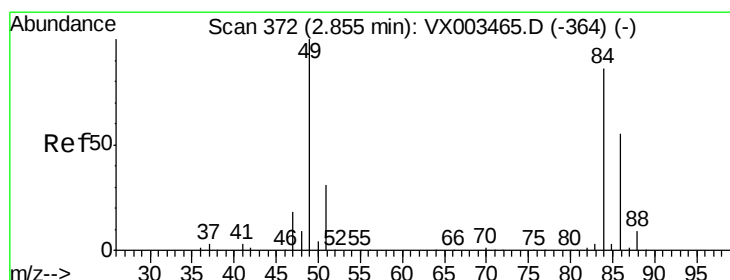
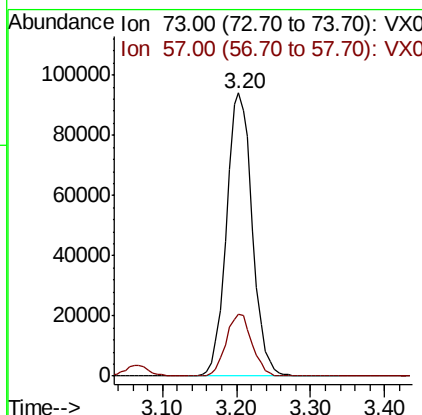
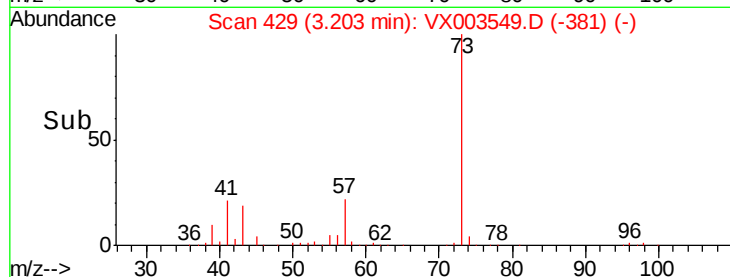
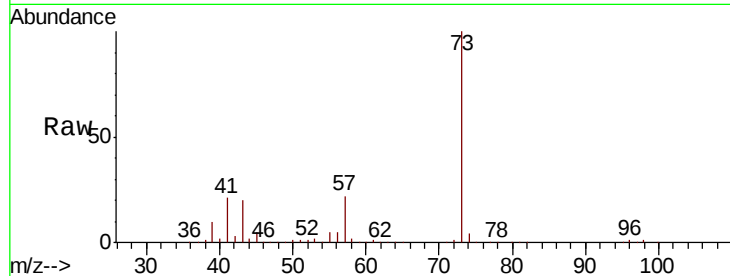
#19
Methyl tert-butyl Ether
Concen: 21.605 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS01

Tgt Ion: 73 Resp: 227079
Ion Ratio Lower Upper
73 100
57 22.0 17.7 26.5

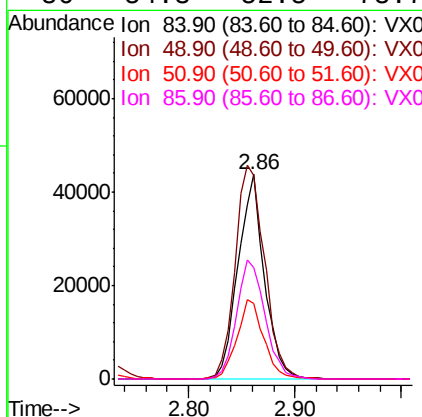
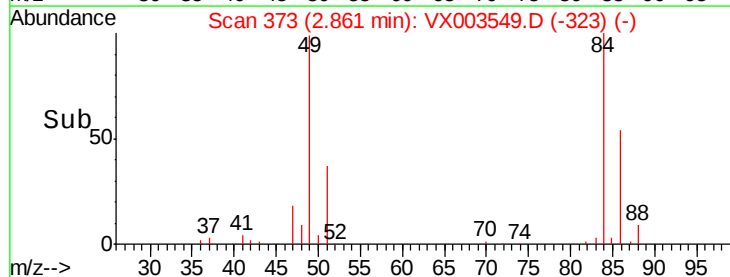
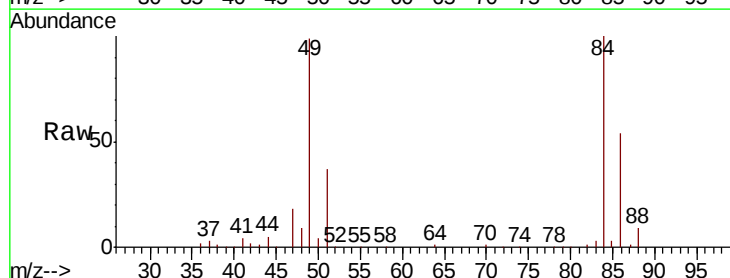
Manual Integrations
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#20
Methylene Chloride
Concen: 21.644 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Tgt Ion: 84 Resp: 76263
Ion Ratio Lower Upper
84 100
49 99.4 107.8 161.6#
51 36.7 32.8 49.2
86 54.3 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 20.750 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

Instrument :

MSVOA_X

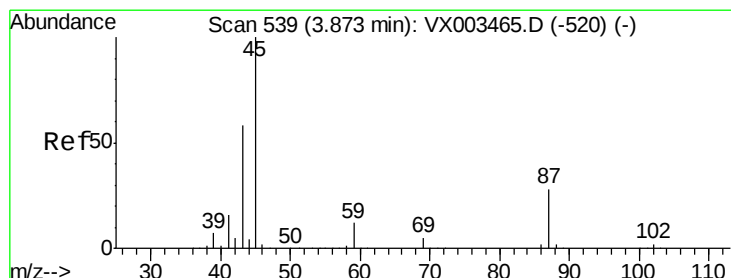
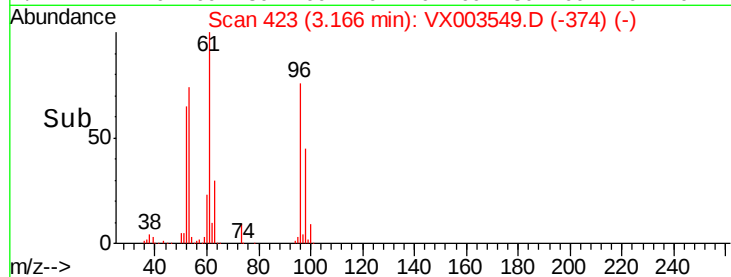
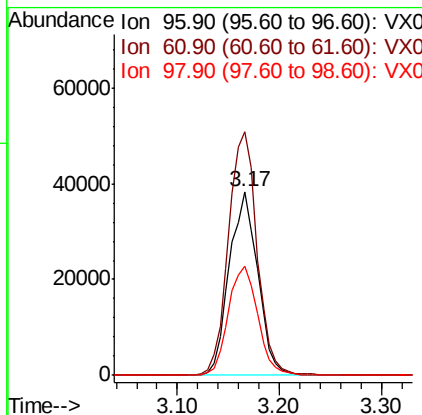
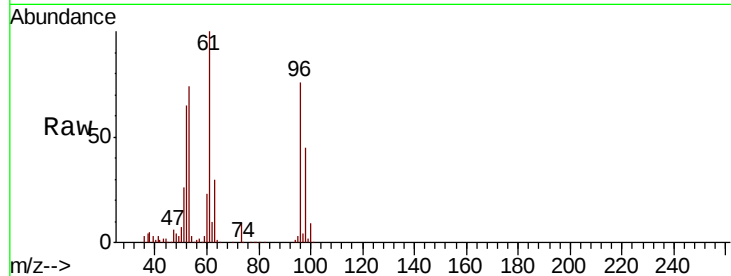
ClientSampleId :

VX0721WBS01

Tgt Ion:	96	Resp:	74311
Ion	Ratio	Lower	Upper
96	100		
61	132.3	117.0	175.4
98	59.2	52.4	78.6

Manual Integrations
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7/23/2018 3:19:12 PM



#22

Diisopropyl ether

Concen: 21.502 ug/l

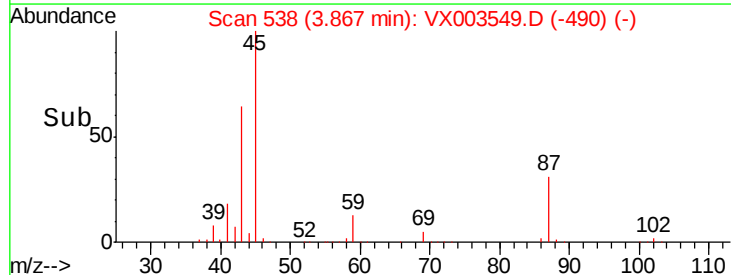
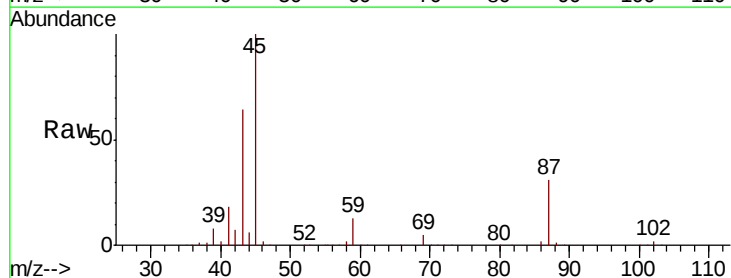
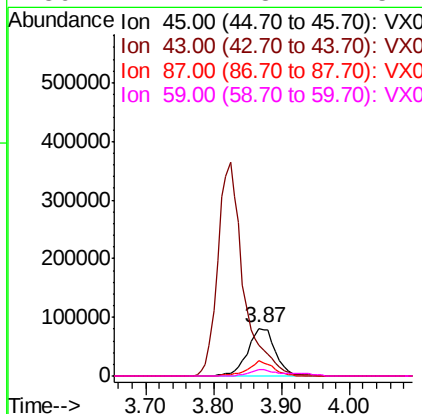
RT: 3.87 min Scan# 538

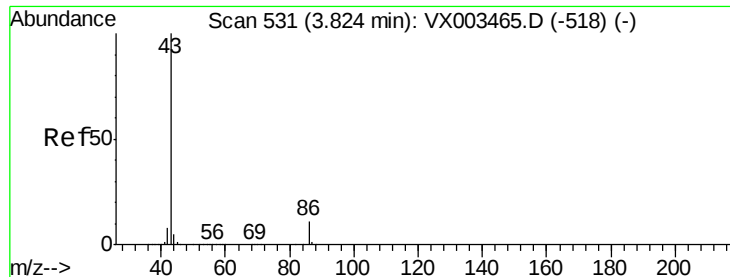
Delta R.T. -0.01 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

Tgt Ion:	45	Resp:	230542
Ion	Ratio	Lower	Upper
45	100		
43	63.8	46.8	70.2
87	31.1	20.2	30.4
59	12.7	8.7	13.1





#23

Vinyl Acetate

Concen: 107.919 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBS01

Tgt Ion: 43 Resp: 953100

Ion Ratio Lower Upper

43 100

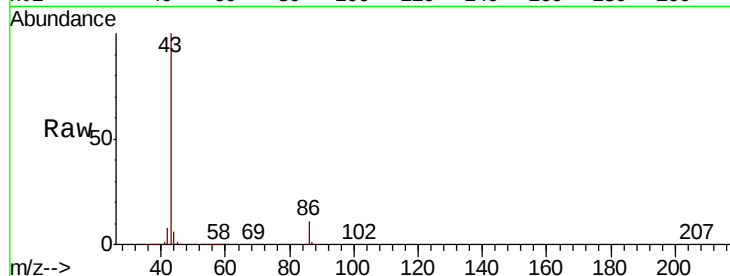
86 10.5 7.4 11.0

Manual Integrations

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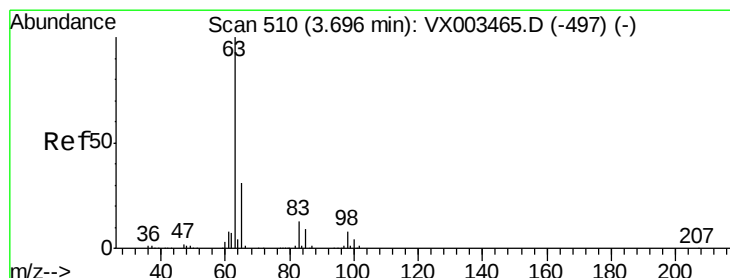
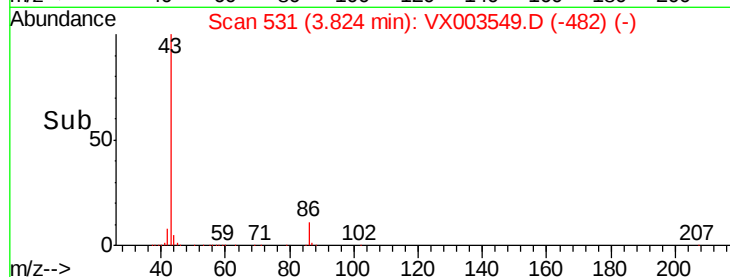
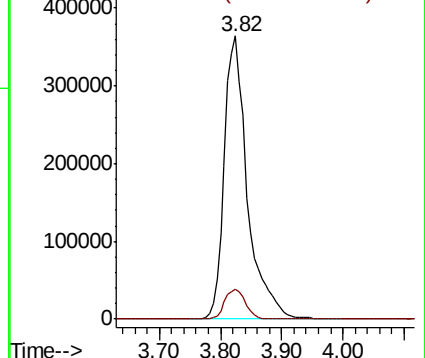
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 21.479 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

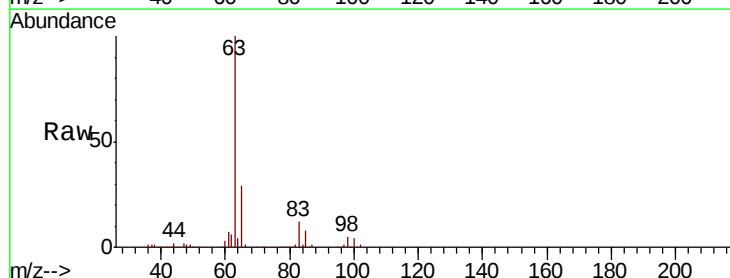
Tgt Ion: 63 Resp: 135113

Ion Ratio Lower Upper

63 100

98 5.4 3.4 10.2

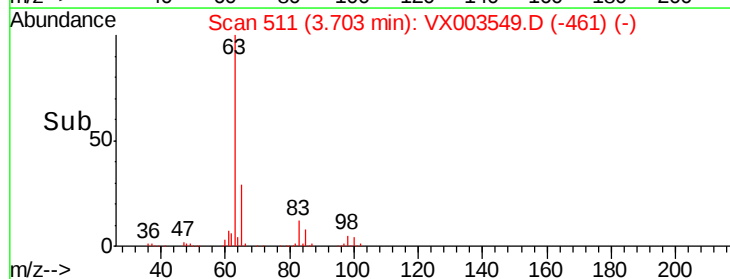
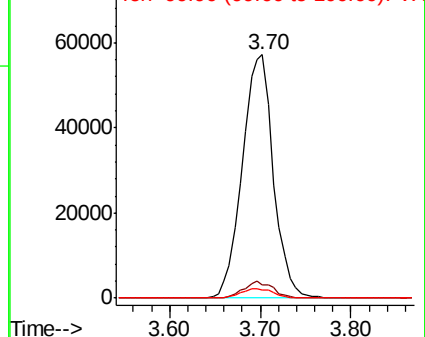
100 3.5 2.0 6.0

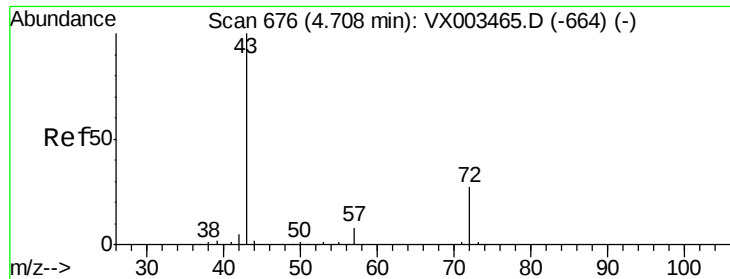


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 104.818 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBS01

Tgt Ion: 43 Resp: 247807

Ion Ratio Lower Upper

43 100

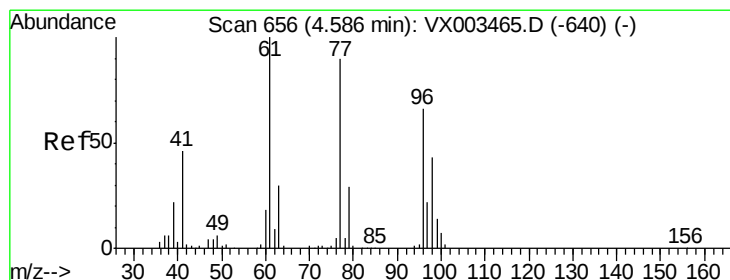
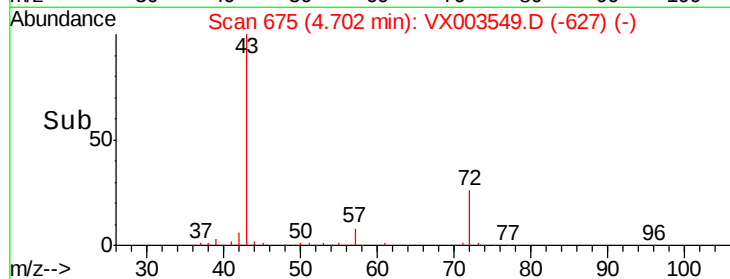
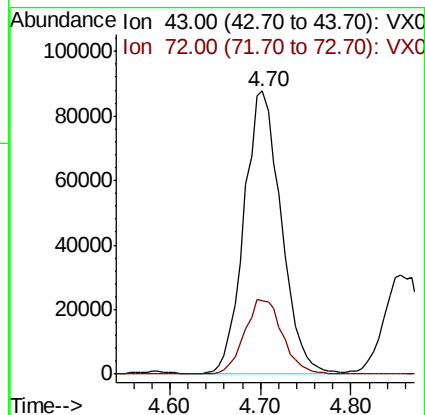
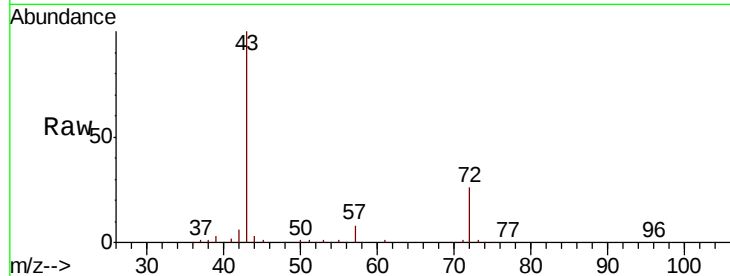
72 25.9 18.5 27.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.134 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003549.D

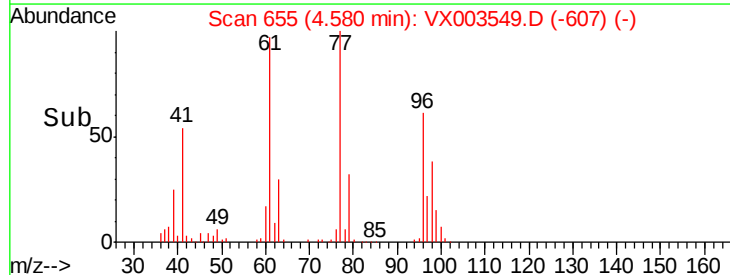
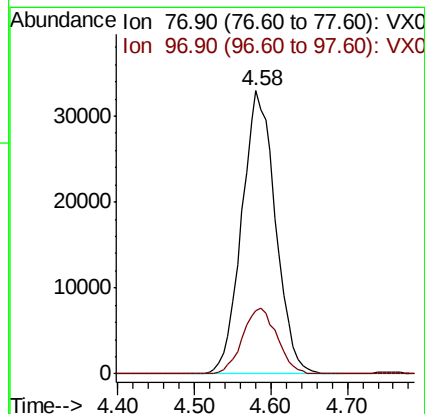
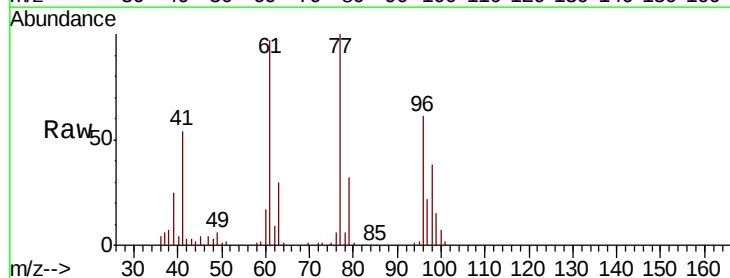
Acq: 21 Jul 2018 12:42

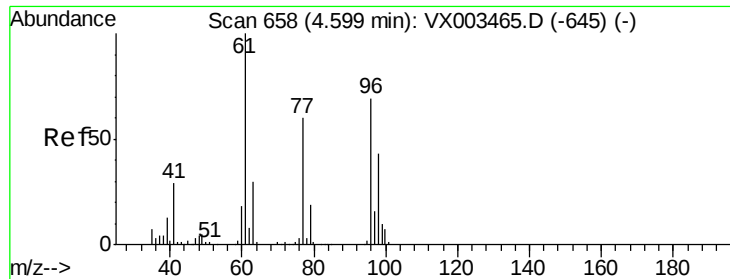
Tgt Ion: 77 Resp: 100976

Ion Ratio Lower Upper

77 100

97 23.9 11.2 33.5





#27

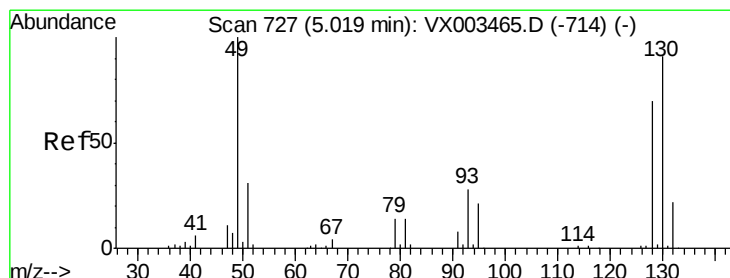
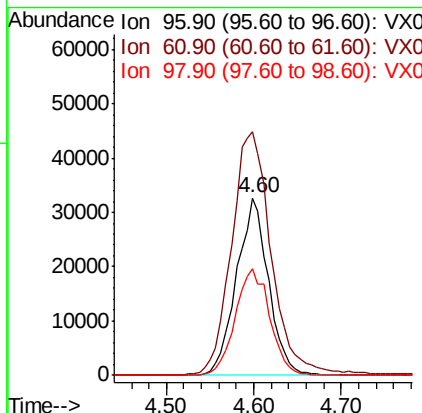
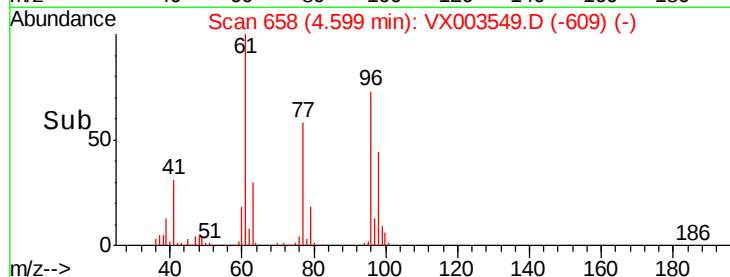
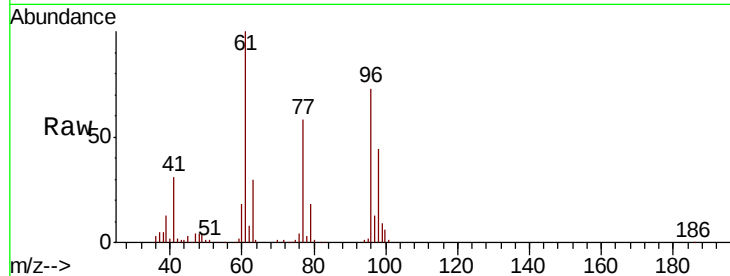
cis-1,2-Dichloroethene
 Concen: 20.819 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VX003549.D
 Acq: 21 Jul 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.7	0.0	330.2
98	64.7	0.0	130.2

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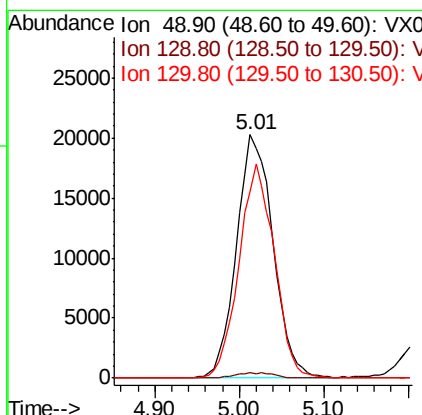
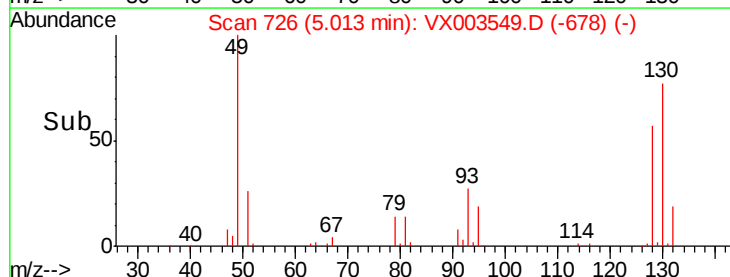
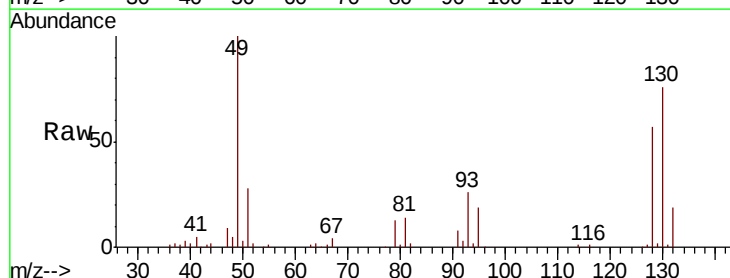
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#28

Bromochloromethane
 Concen: 21.700 ug/l
 RT: 5.01 min Scan# 726
 Delta R.T. -0.01 min
 Lab File: VX003549.D
 Acq: 21 Jul 2018 12:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	84.8	61.2	91.8





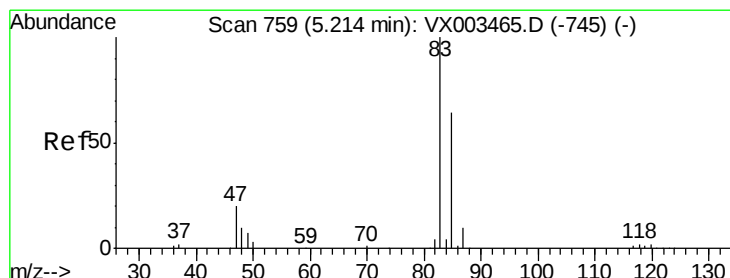
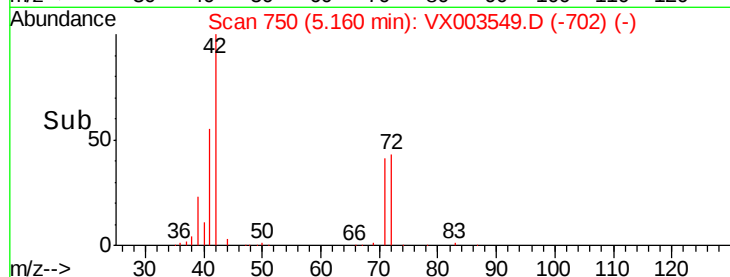
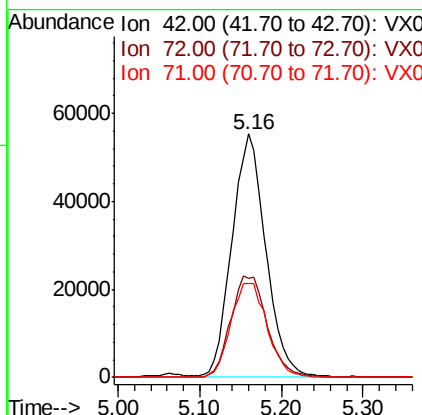
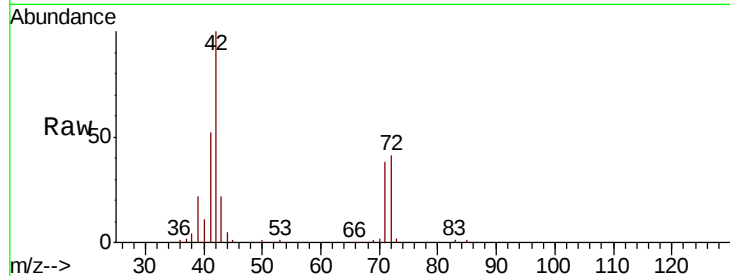
#29
Tetrahydrofuran
Concen: 100.847 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	45.4	32.0	48.0
71	42.2	30.1	45.1

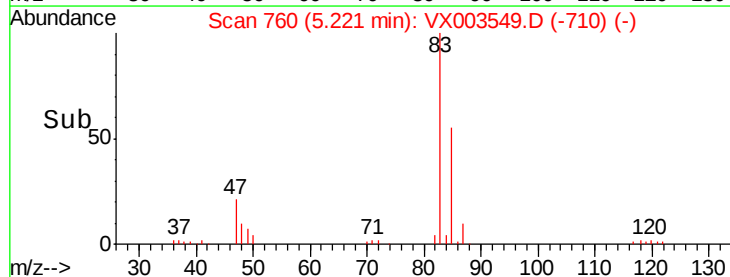
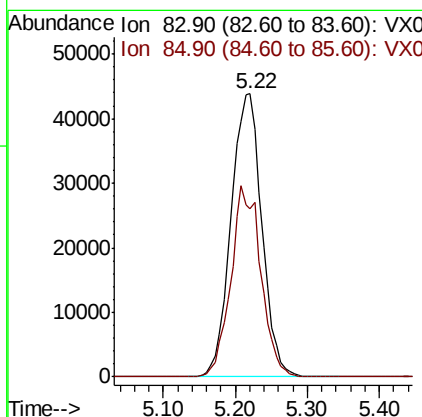
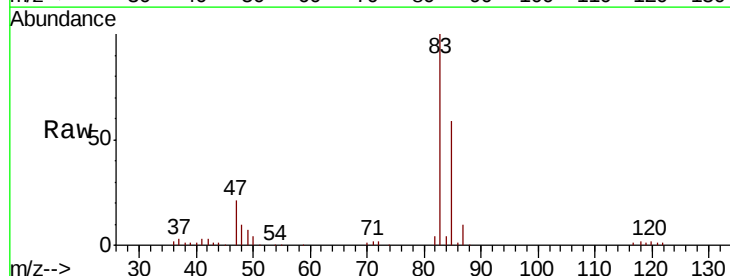
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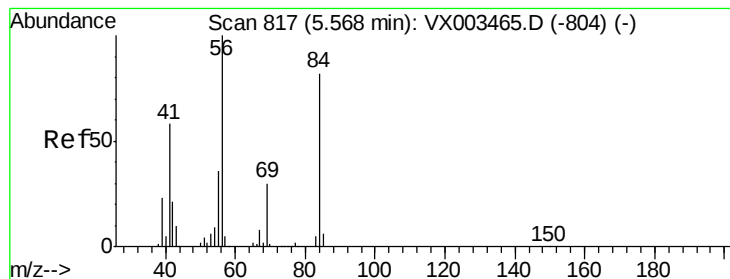
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#30
Chloroform
Concen: 21.221 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.2	50.4	75.6





#31

Cyclohexane

Concen: 20.500 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBS01

Tgt Ion: 56 Resp: 115223

Ion Ratio Lower Upper

56 100

69 30.9 23.7 35.5

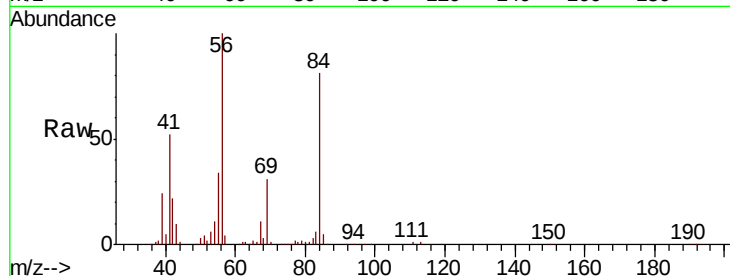
84 79.4 64.1 96.1

Manual Integrations

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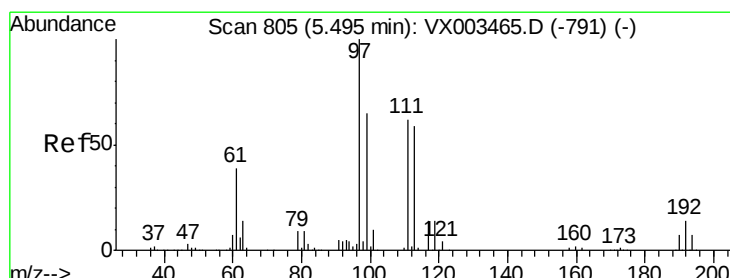
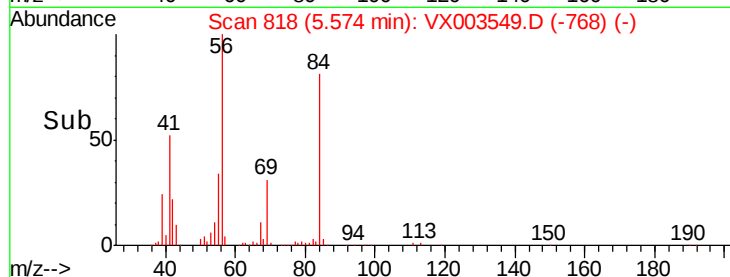
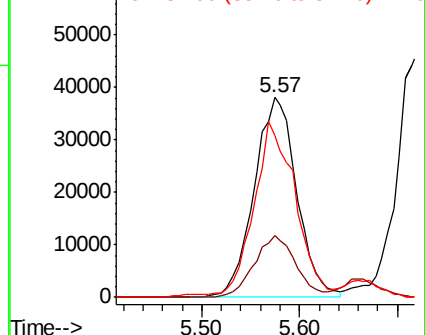


Abundance

Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 20.906 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

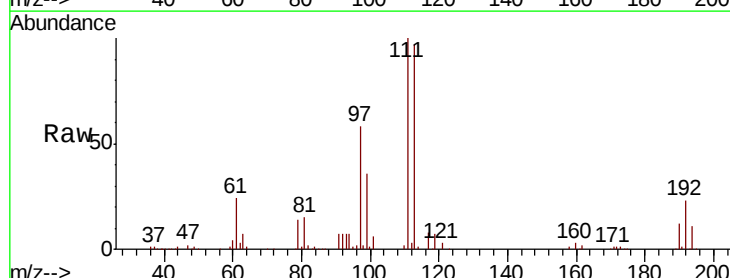
Tgt Ion: 97 Resp: 109972

Ion Ratio Lower Upper

97 100

99 65.6 51.6 77.4

61 42.9 36.4 54.6

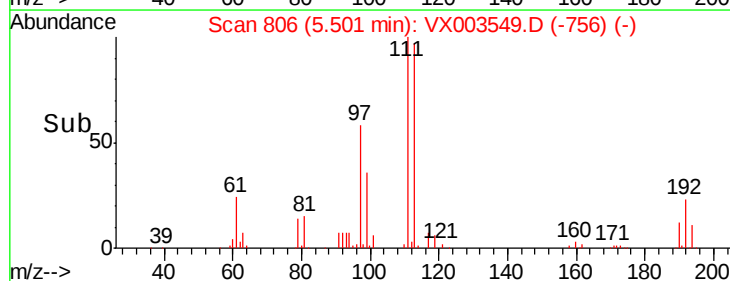
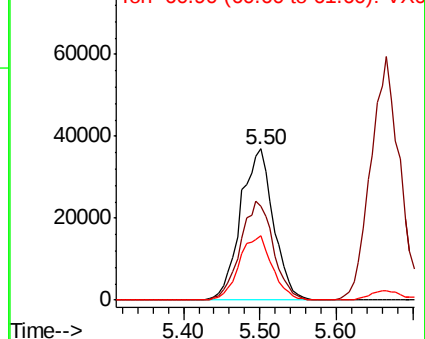


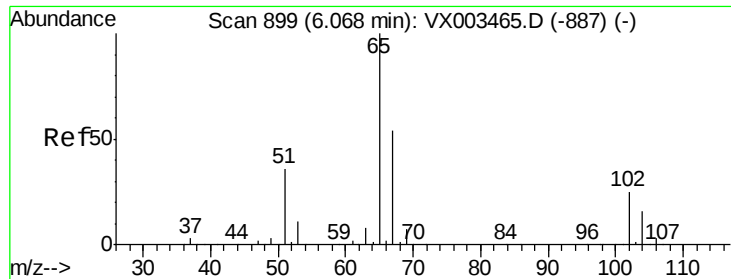
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





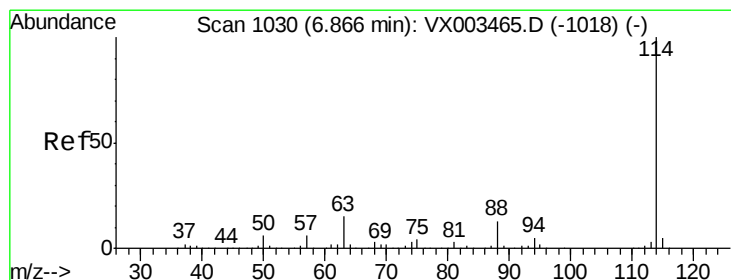
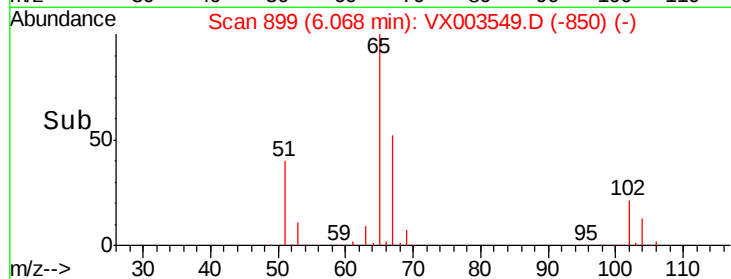
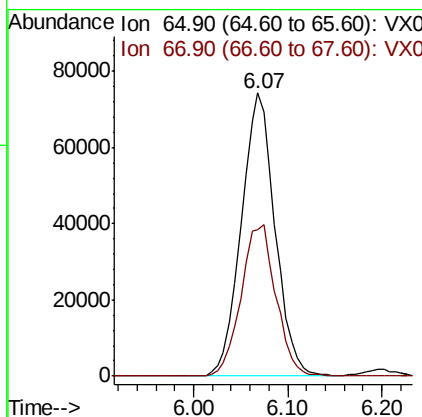
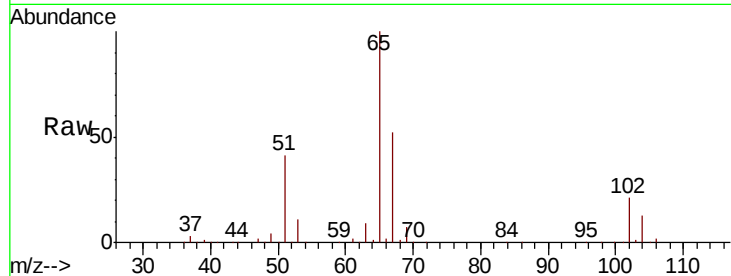
#33
 1,2-Dichloroethane-d4
 Concen: 49.931 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003549.D
 Acq: 21 Jul 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBS01

Tgt Ion: 65 Resp: 186260
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 102.6

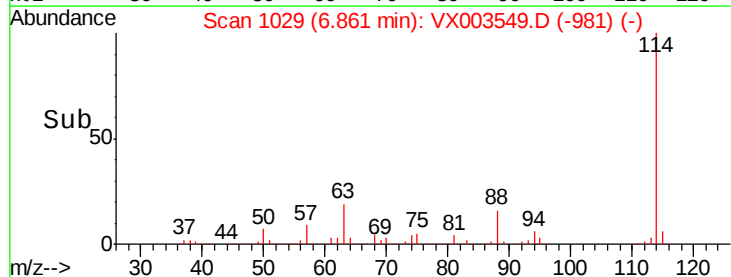
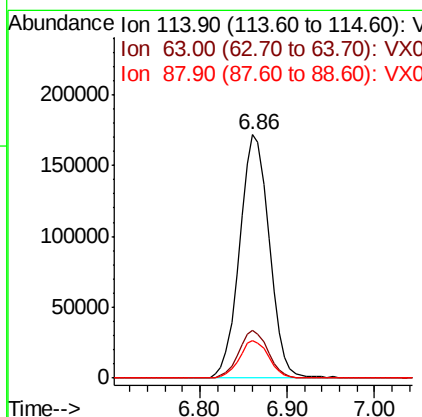
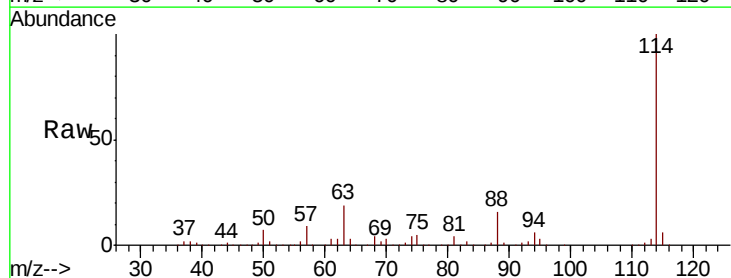
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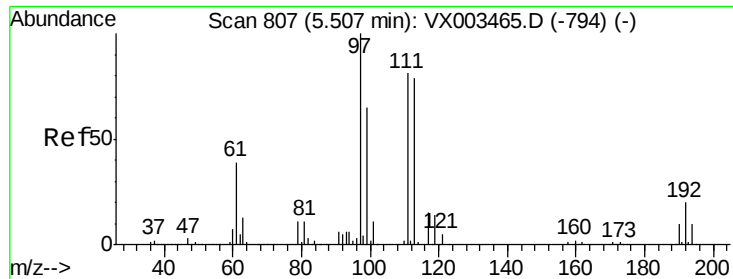
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003549.D
 Acq: 21 Jul 2018 12:42

Tgt Ion: 114 Resp: 404631
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 41.4
 88 15.5 0.0 30.0





#35

Dibromofluoromethane

Concen: 56.001 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

Instrument :

MSVOA_X

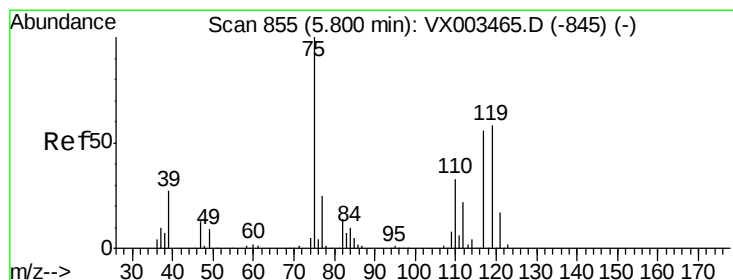
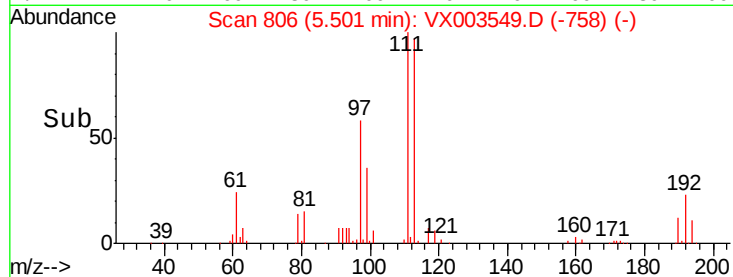
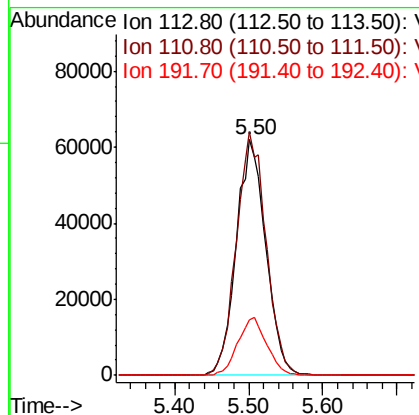
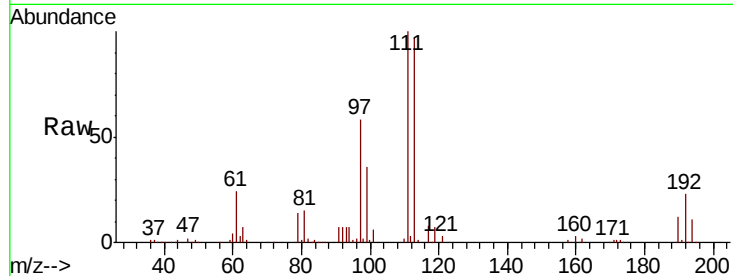
ClientSampleId :

VX0721WBS01

Tgt Ion:	113	Resp:	172592
Ion Ratio	Lower	Upper	
113	100		
111	103.6	81.4	122.0
192	23.9	19.1	28.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.683 ug/l

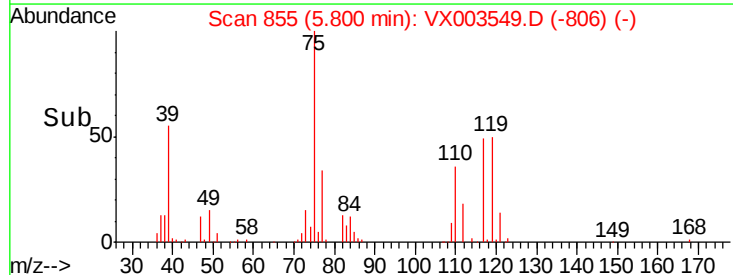
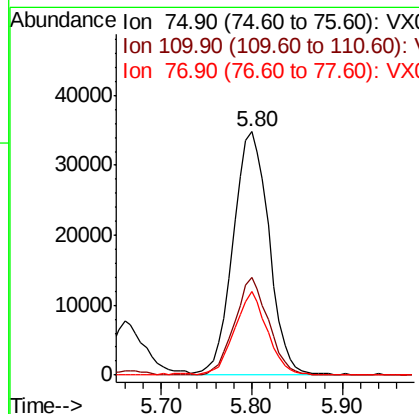
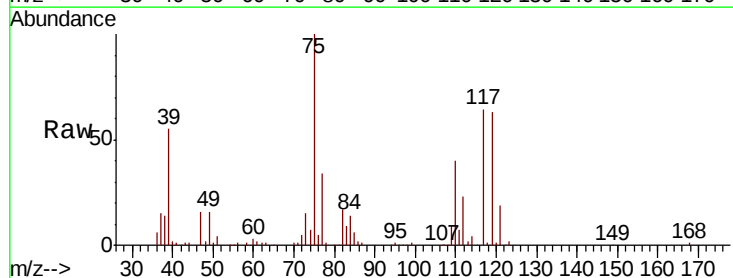
RT: 5.80 min Scan# 855

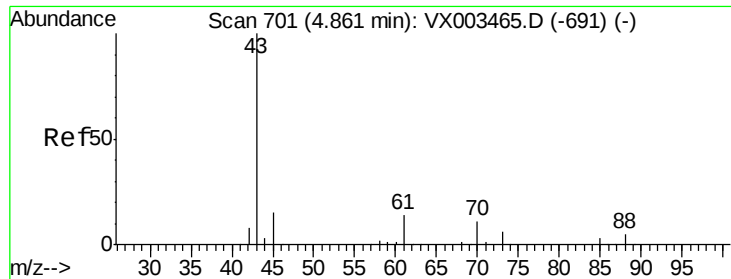
Delta R.T. 0.00 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

Tgt Ion:	75	Resp:	94724
Ion Ratio	Lower	Upper	
75	100		
110	38.2	18.1	54.4
77	31.7	24.3	36.5





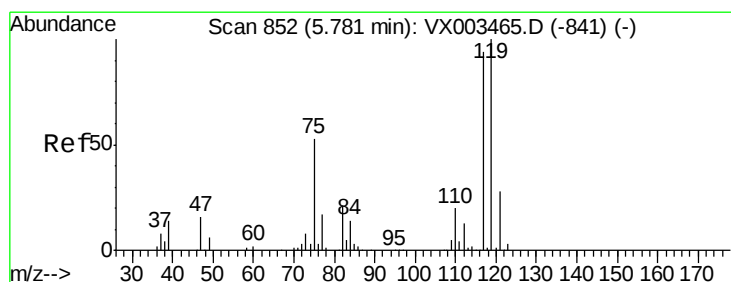
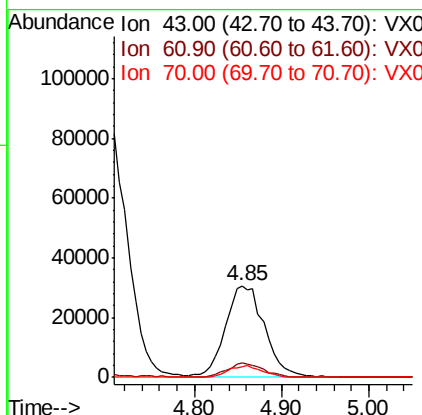
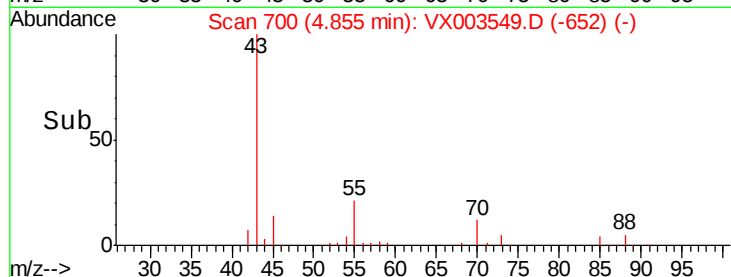
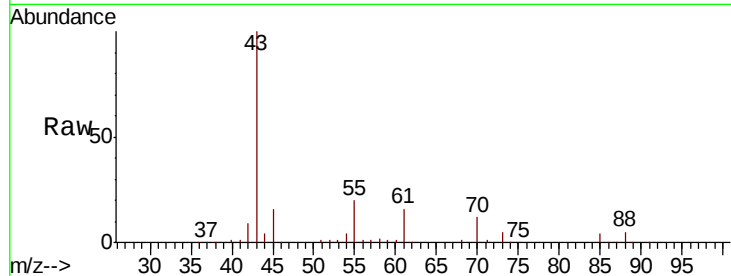
#37
Ethyl Acetate
Concen: 22.682 ug/l
RT: 4.85 min Scan# 700
Delta R.T. -0.01 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.4	15.6
70	11.8	7.6	11.4

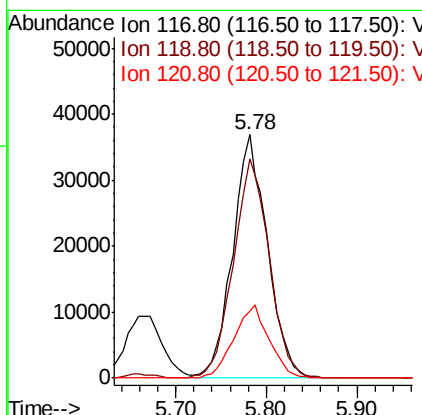
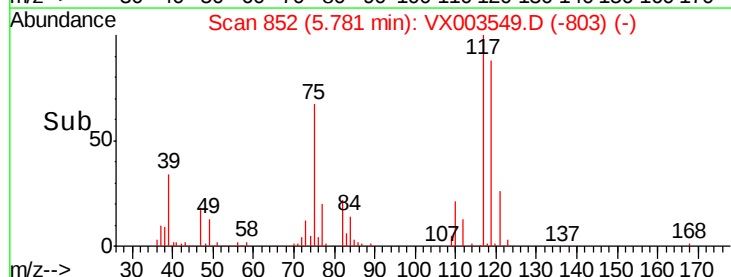
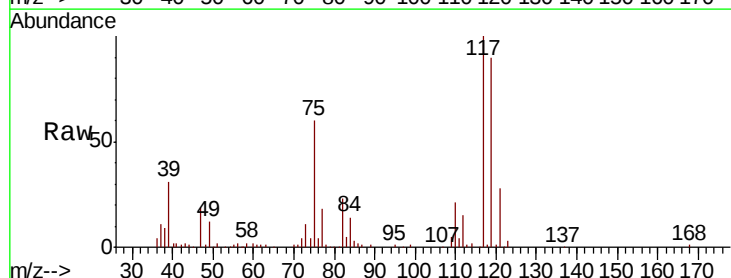
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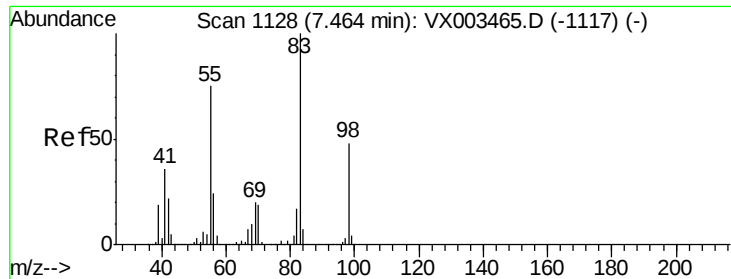
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#38
Carbon Tetrachloride
Concen: 22.898 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.1	77.4	116.0
121	27.7	24.4	36.6





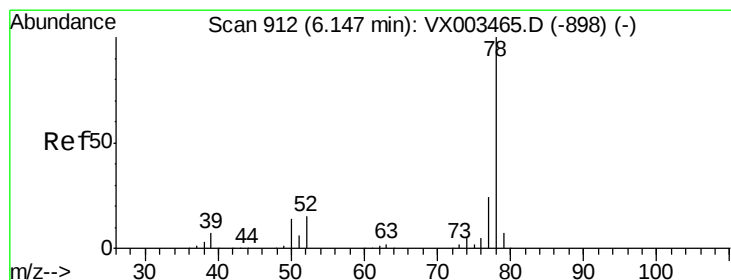
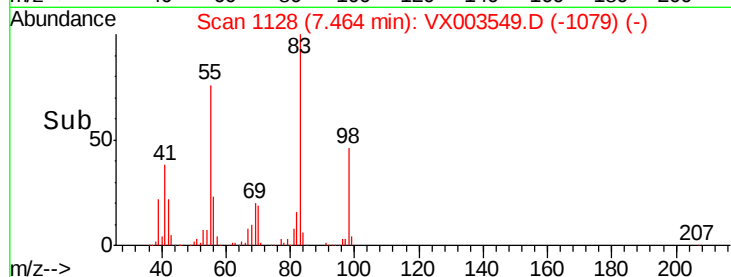
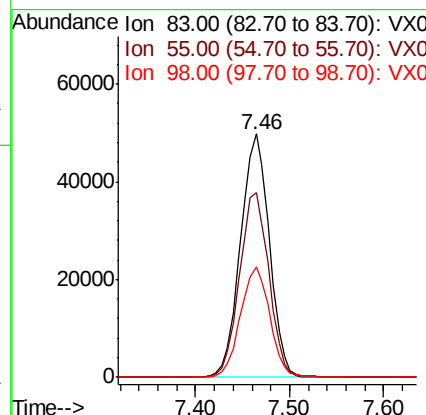
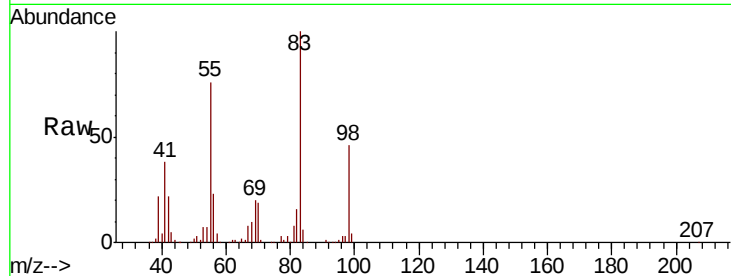
#39
Methylcyclohexane
Concen: 20.493 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.7	65.4	98.0
98	45.6	37.4	56.0

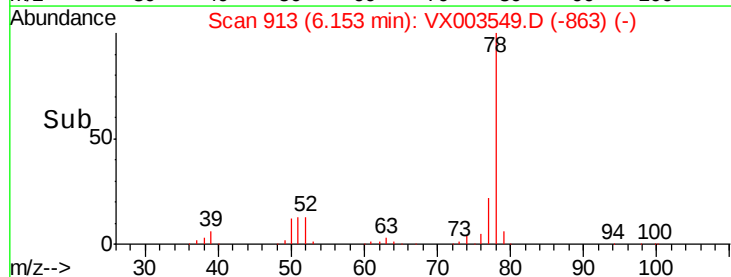
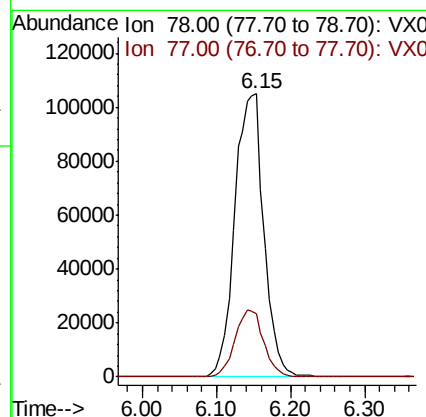
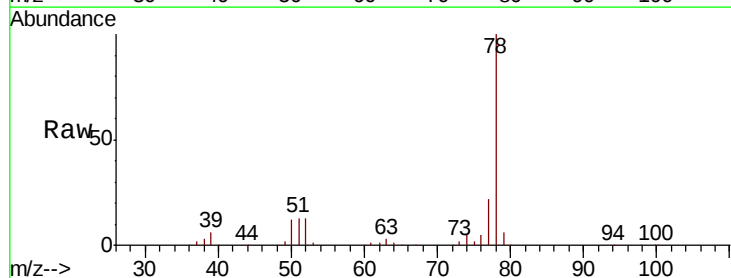
Manual Integrations
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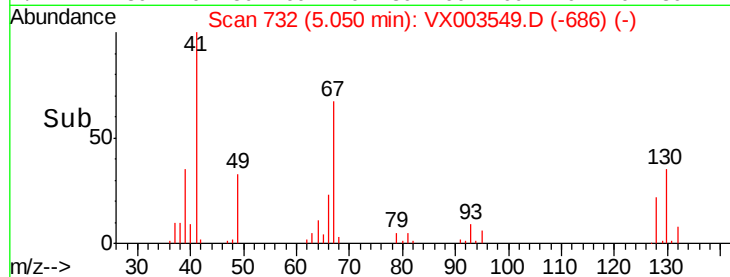
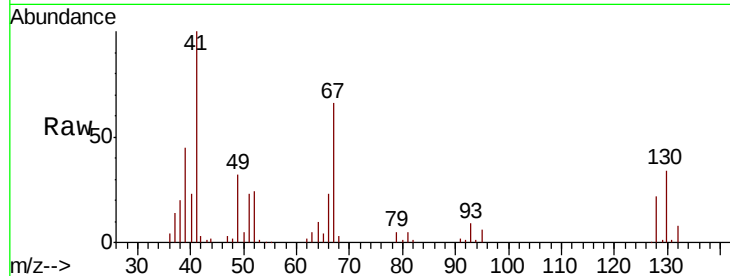
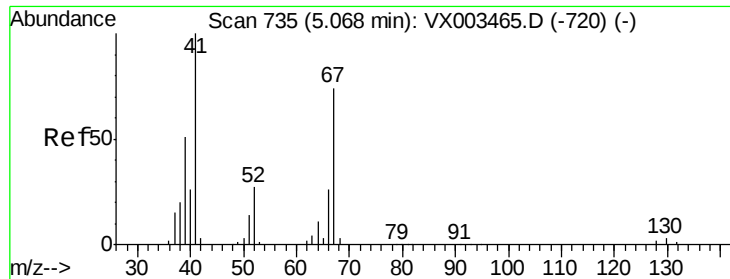
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#40
Benzene
Concen: 21.727 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.01 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	19.1	28.7





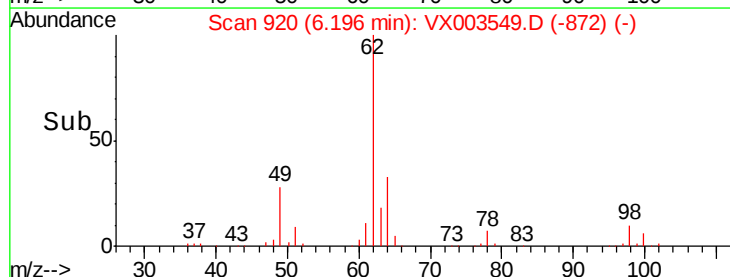
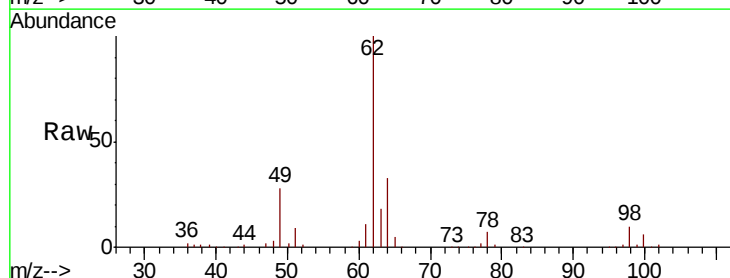
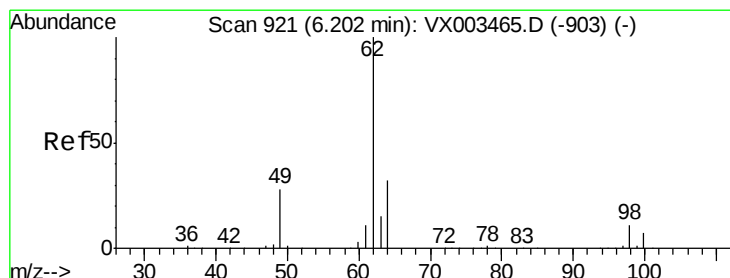
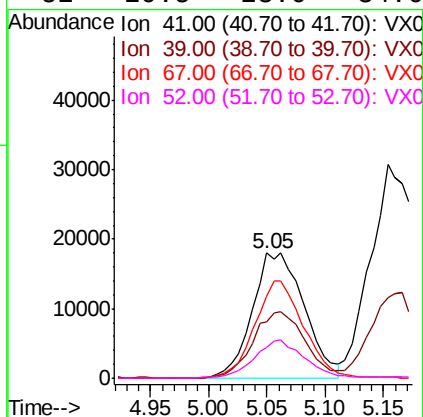
#41
Methacrylonitrile
Concen: 22.974 ug/l
RT: 5.05 min Scan# 732
Delta R.T. -0.02 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.3	45.8	68.6	
67	73.2	51.3	76.9	
52	29.5	23.0	34.6	

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS01

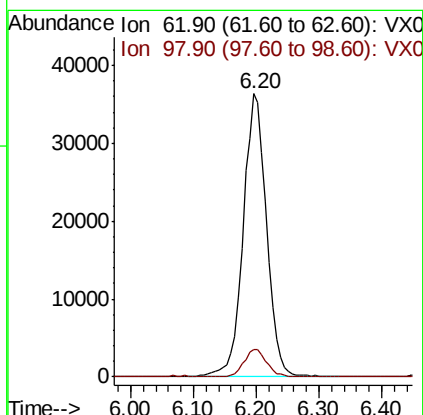
Manual Integrations
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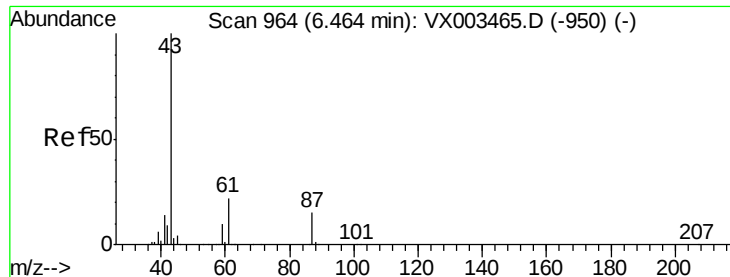
MMDadoda
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#42
1,2-Dichloroethane
Concen: 22.542 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	16.6	





#43

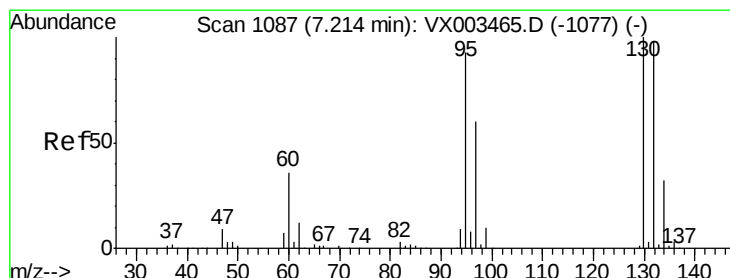
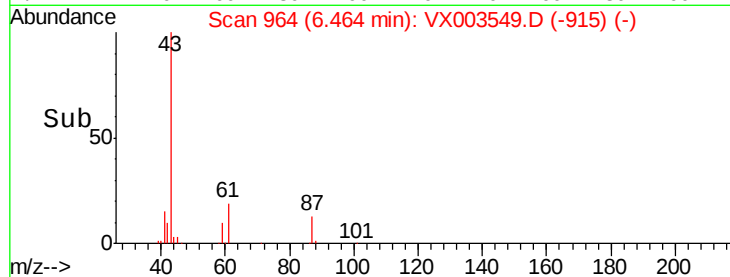
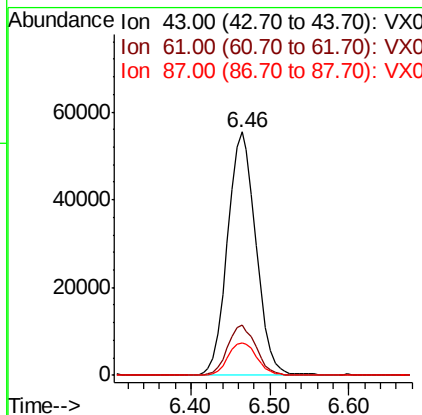
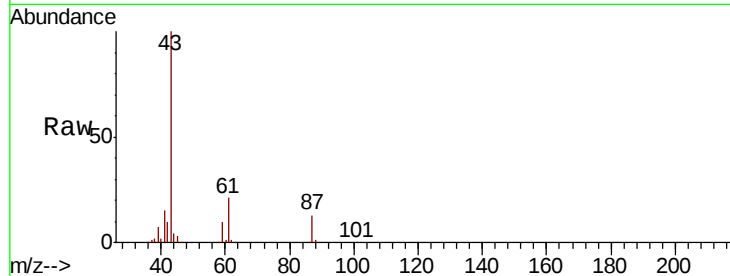
Isopropyl Acetate
 Concen: 20.980 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: VX003549.D
 Acq: 21 Jul 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.7	14.4	21.6
87	13.7	9.5	14.3

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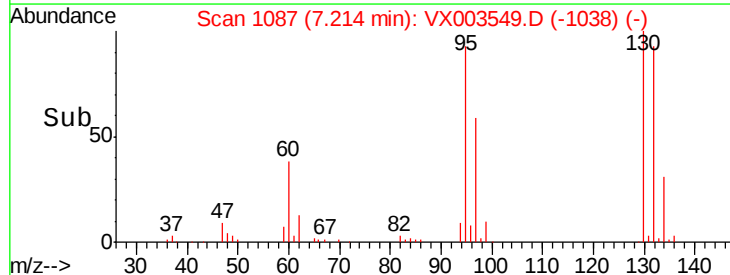
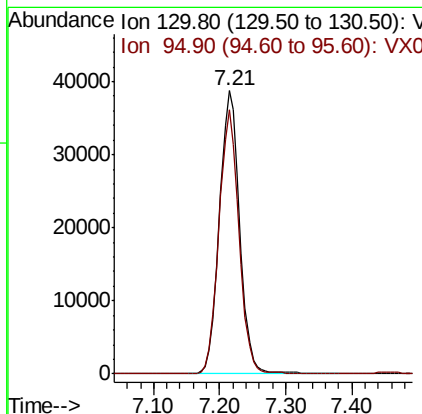
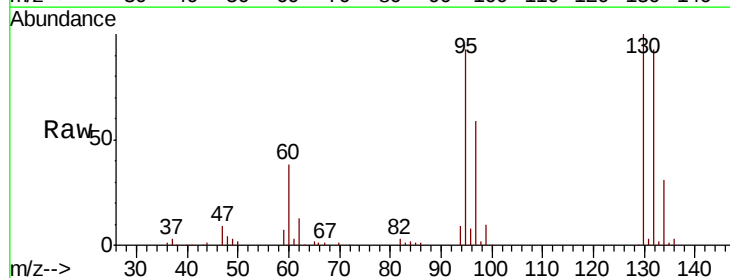
MMDadoda
 7/23/2018 3:19:12 PM



#44

Trichloroethene
 Concen: 20.811 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003549.D
 Acq: 21 Jul 2018 12:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	185.4





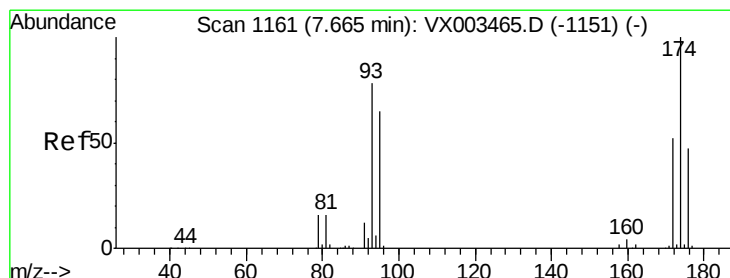
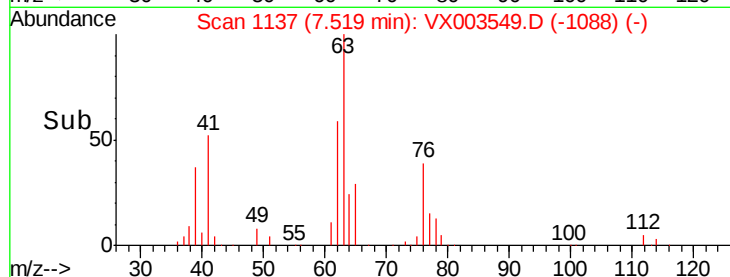
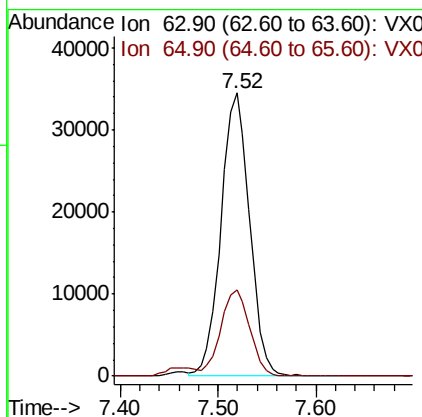
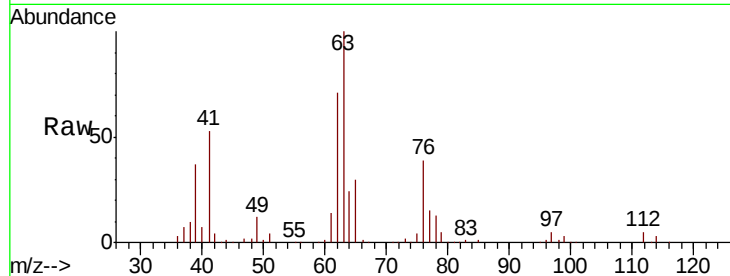
#45
 1,2-Dichloropropane
 Concen: 20.884 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003549.D
 Acq: 21 Jul 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBS01

Tgt Ion: 63 Resp: 69945
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.7 37.1

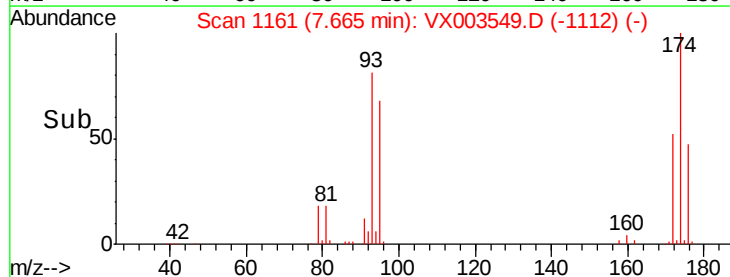
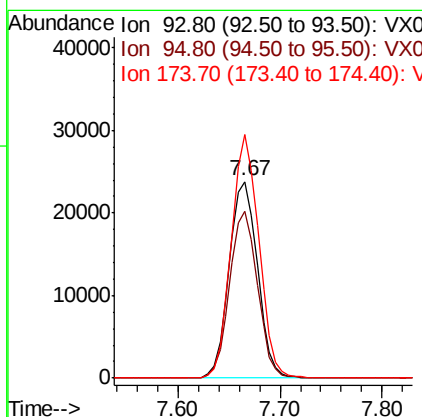
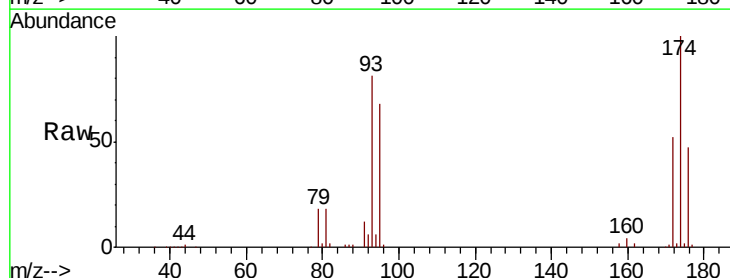
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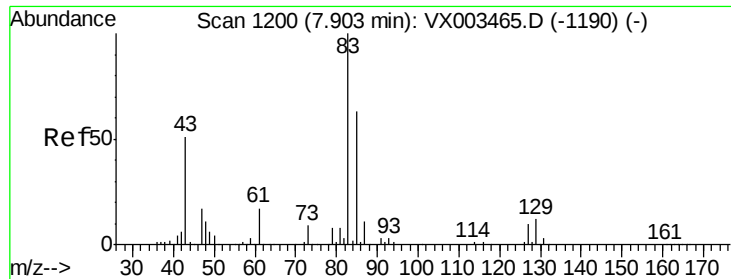
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#46
 Dibromomethane
 Concen: 21.259 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003549.D
 Acq: 21 Jul 2018 12:42

Tgt Ion: 93 Resp: 45839
 Ion Ratio Lower Upper
 93 100
 95 83.4 65.9 98.9
 174 120.6 92.4 138.6





#47

Bromodichloromethane

Concen: 21.372 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

Instrument :

MSVOA_X

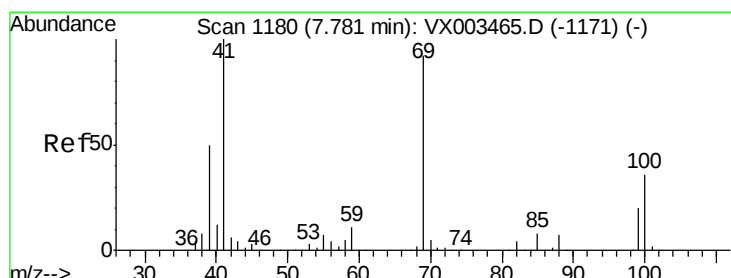
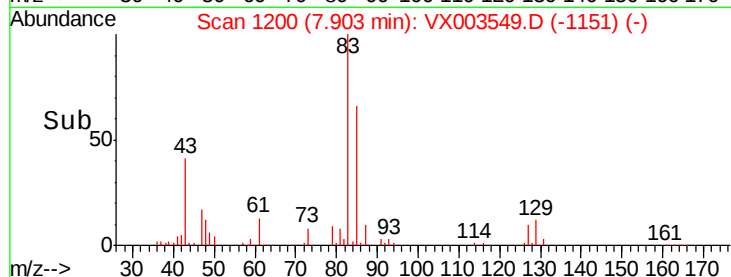
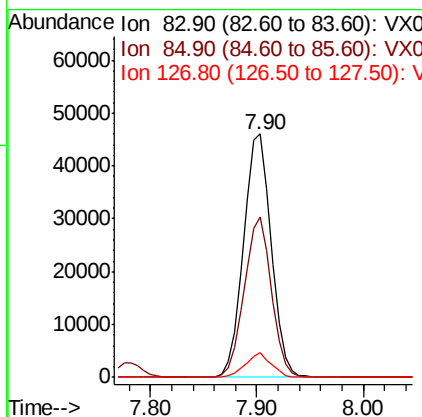
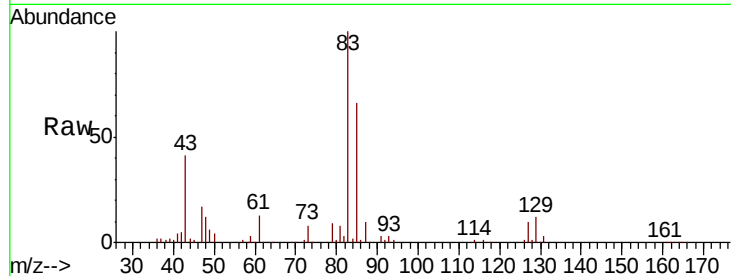
ClientSampleId :

VX0721WBS01

Tgt Ion:	83	Resp:	84364
Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.3	75.5
127	10.0	7.0	10.4

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#48

Methyl methacrylate

Concen: 21.295 ug/l

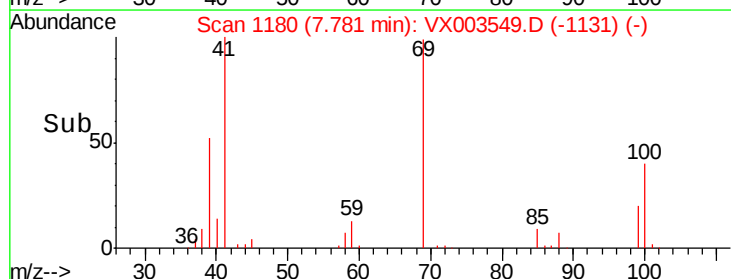
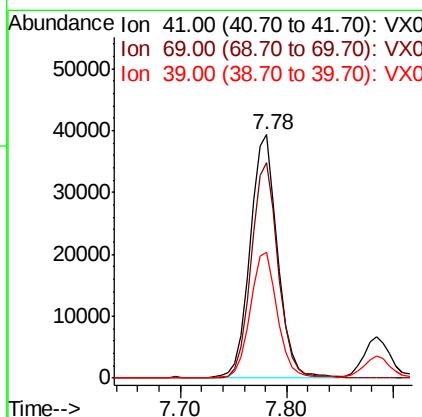
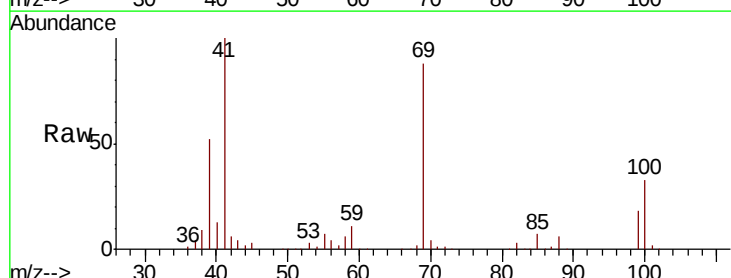
RT: 7.78 min Scan# 1180

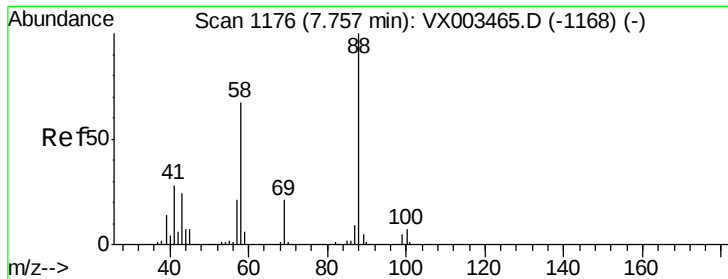
Delta R.T. 0.00 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

Tgt Ion:	41	Resp:	70621
Ion	Ratio	Lower	Upper
41	100		
69	87.9	59.1	88.7
39	51.0	48.9	73.3





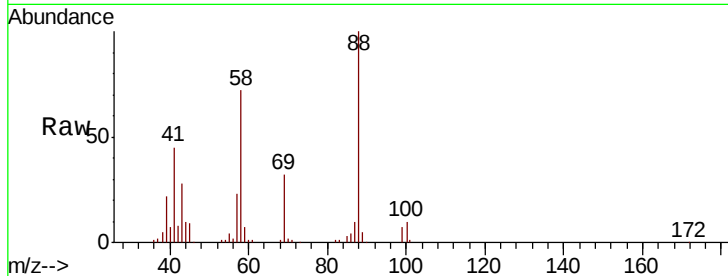
#49
1,4-Dioxane
Concen: 406.403 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS01

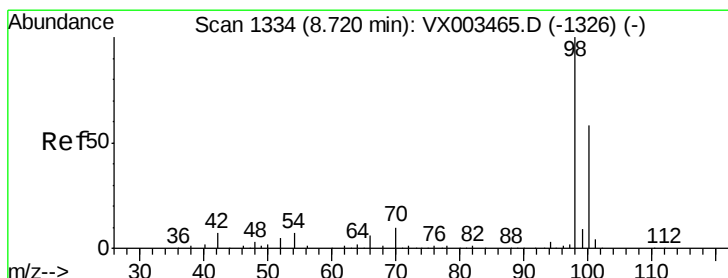
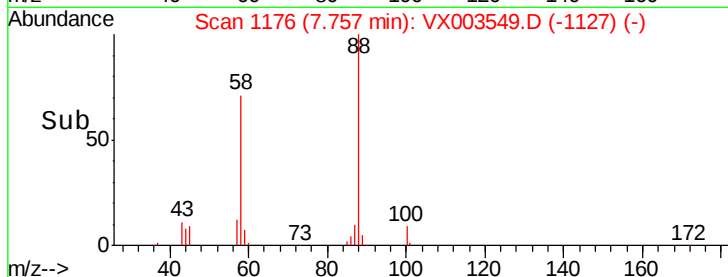
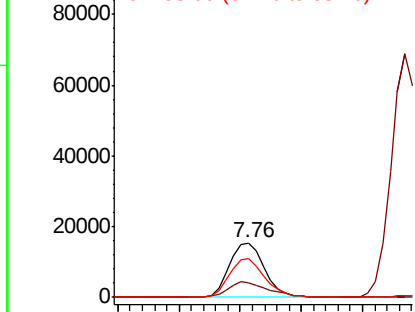
Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.2	29.8	44.6
58	72.4	57.1	85.7

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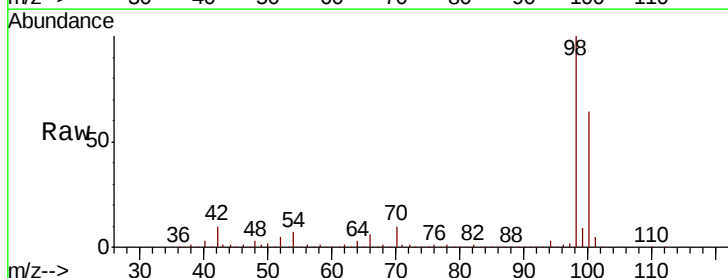


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

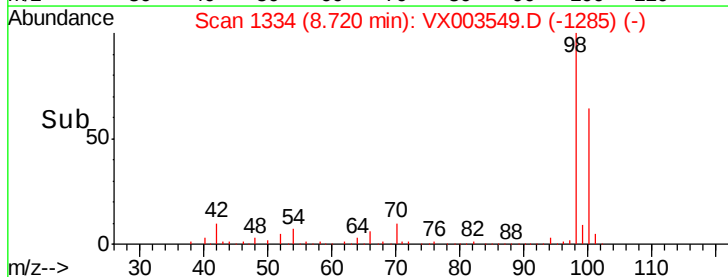
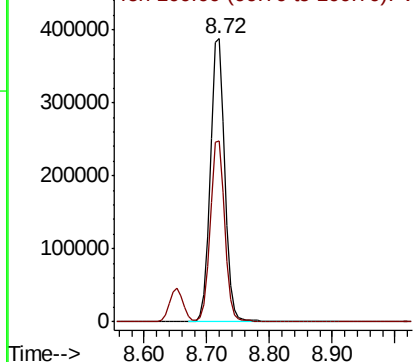


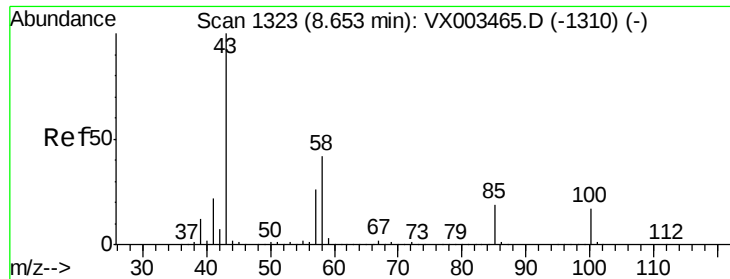
#50
Toluene-d8
Concen: 53.109 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.9	76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





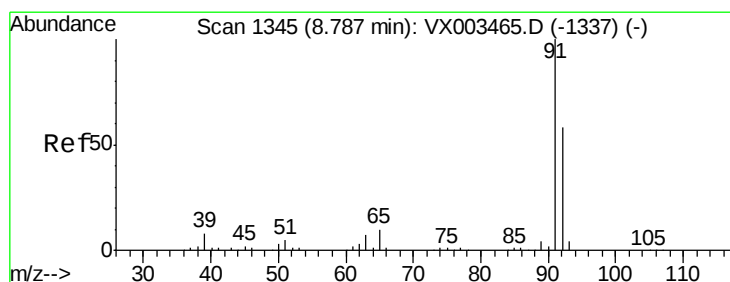
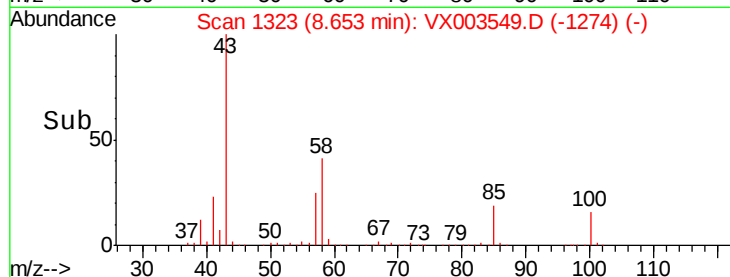
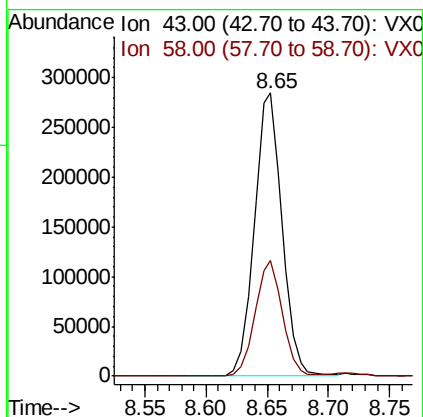
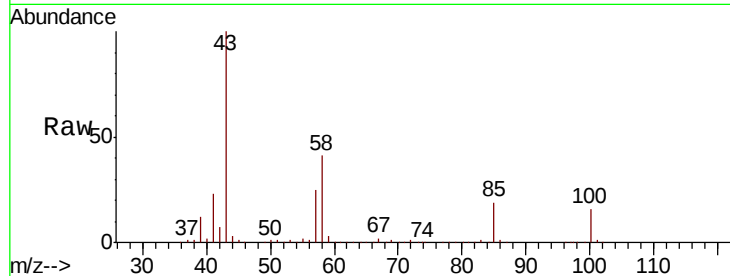
#51
4-Methyl-2-Pentanone
Concen: 108.035 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS01

Tgt Ion: 43 Resp: 448823
Ion Ratio Lower Upper
43 100
58 40.2 28.6 42.8

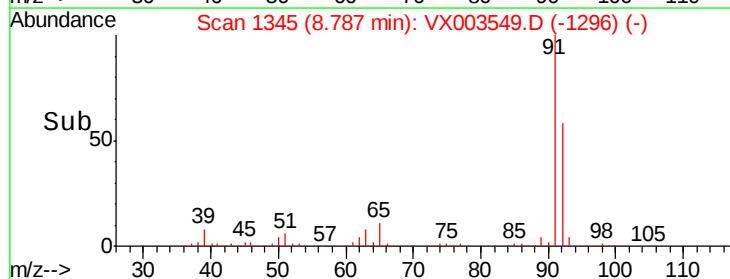
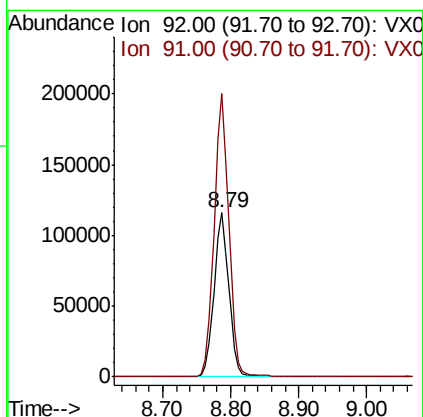
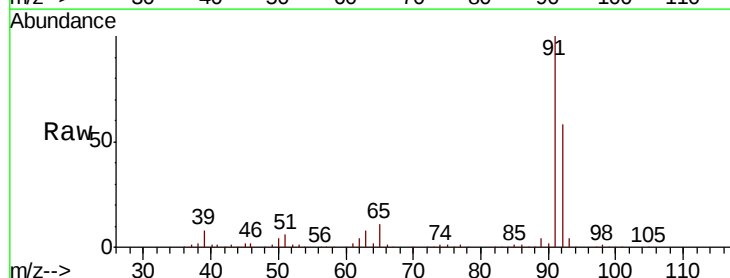
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#52
Toluene
Concen: 21.126 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Tgt Ion: 92 Resp: 175400
Ion Ratio Lower Upper
92 100
91 171.8 140.4 210.6





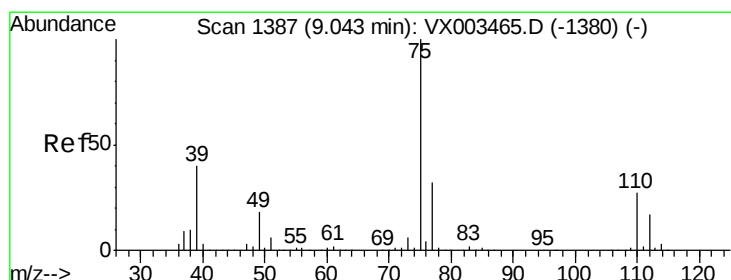
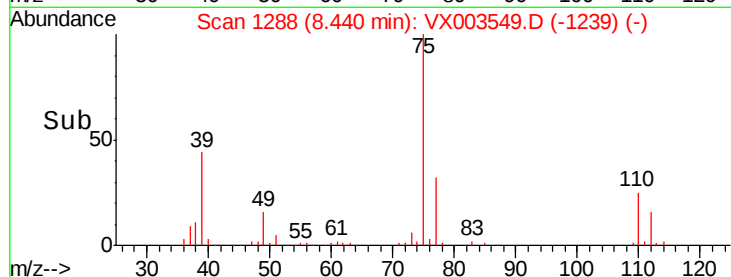
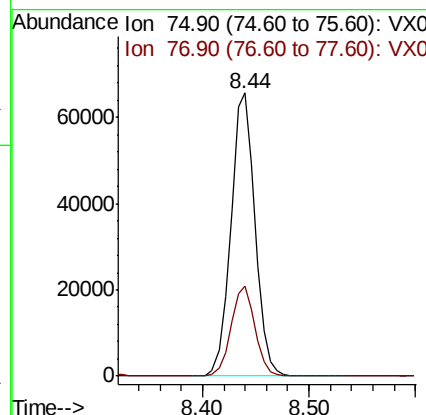
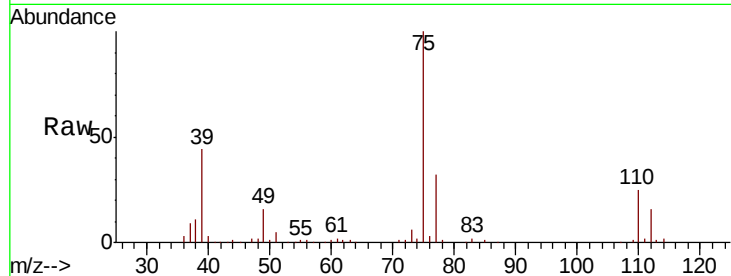
#53
t-1,3-Dichloropropene
Concen: 21.410 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS01

Tgt Ion: 75 Resp: 104021
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2

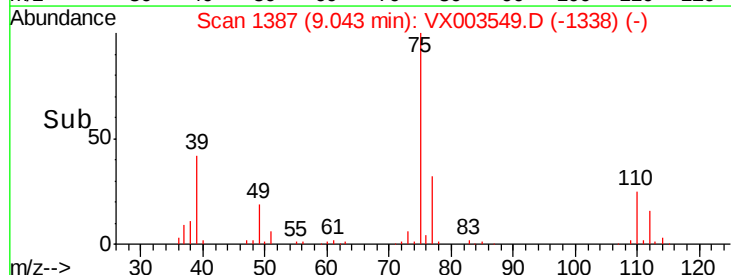
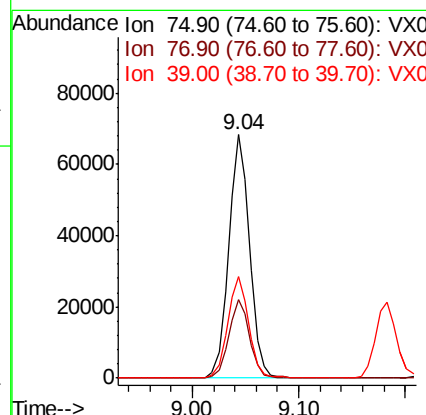
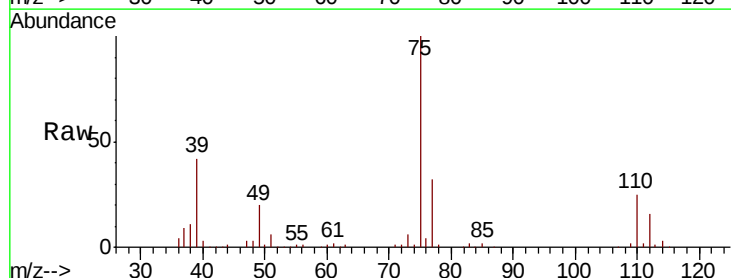
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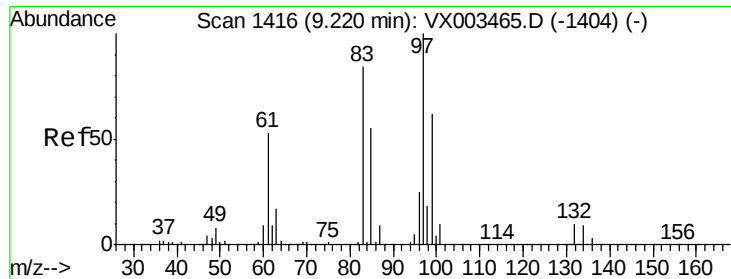
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#54
cis-1,3-Dichloropropene
Concen: 21.381 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Tgt Ion: 75 Resp: 93420
Ion Ratio Lower Upper
75 100
77 32.2 24.8 37.2
39 41.7 42.4 63.6#





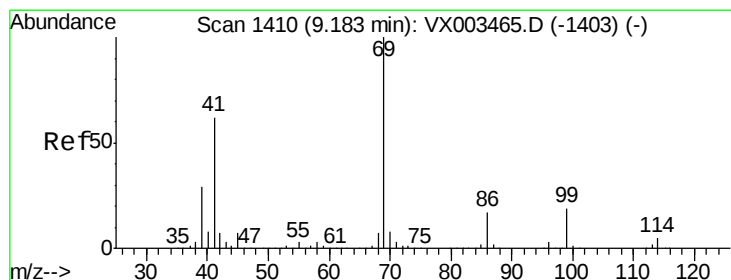
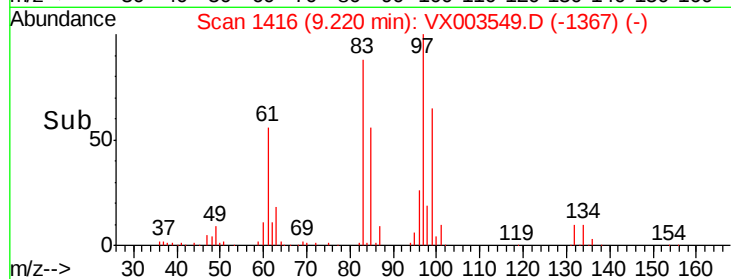
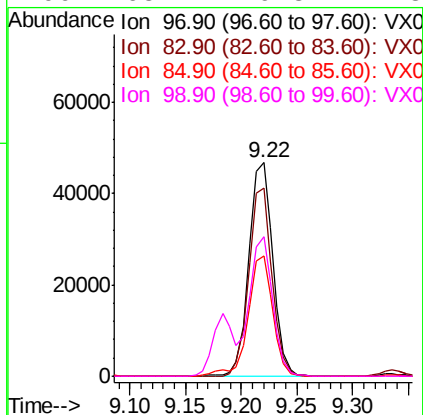
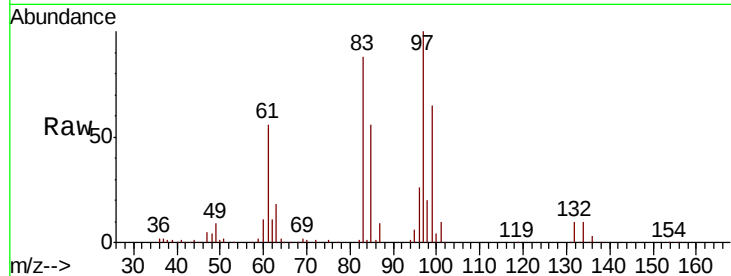
#55
 1,1,2-Trichloroethane
 Concen: 21.196 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003549.D
 Acq: 21 Jul 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.8	70.2	105.2
85	56.2	44.9	67.3
99	65.2	49.8	74.8

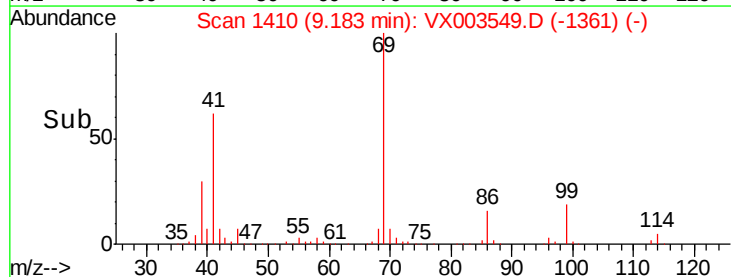
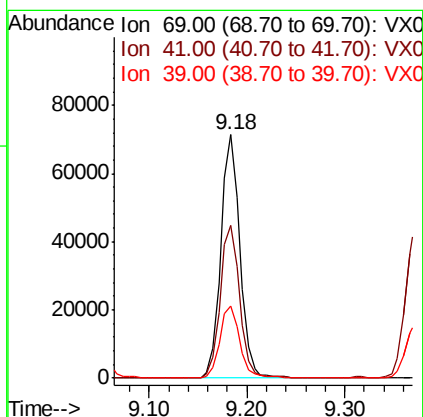
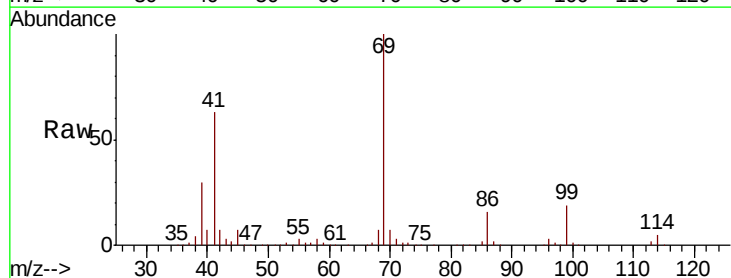
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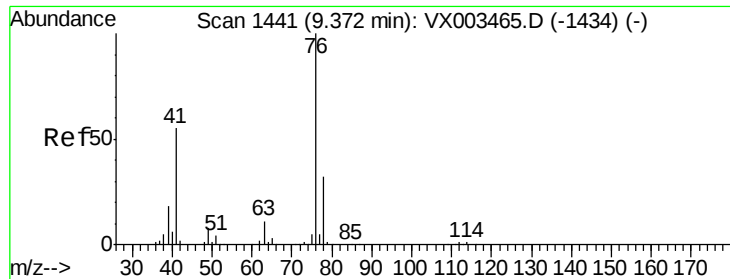
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#56
 Ethyl methacrylate
 Concen: 20.744 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003549.D
 Acq: 21 Jul 2018 12:42

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.6	60.3	90.5
39	30.8	35.8	53.8#





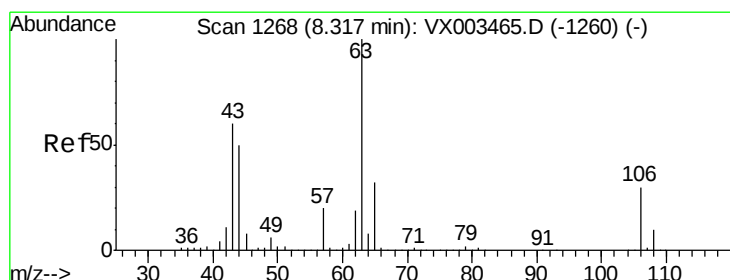
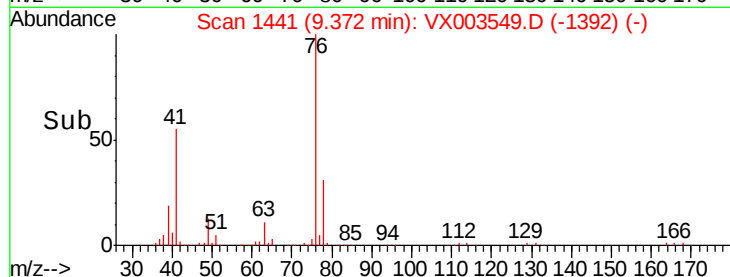
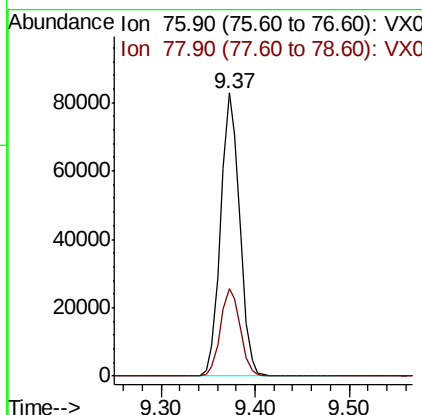
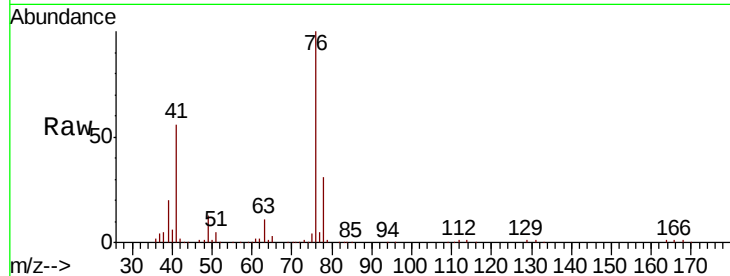
#57
 1,3-Dichloropropane
 Concen: 21.755 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003549.D
 Acq: 21 Jul 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBS01

Tgt Ion: 76 Resp: 116178
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.6

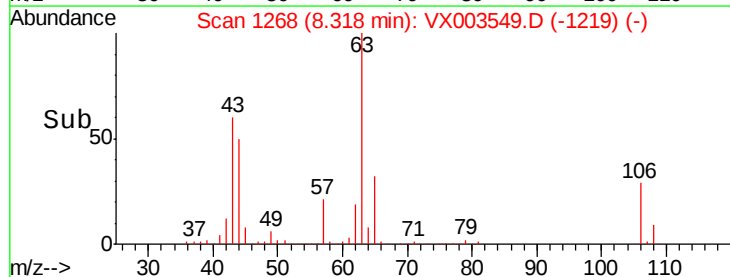
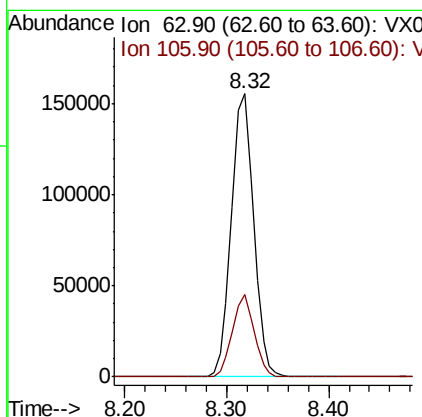
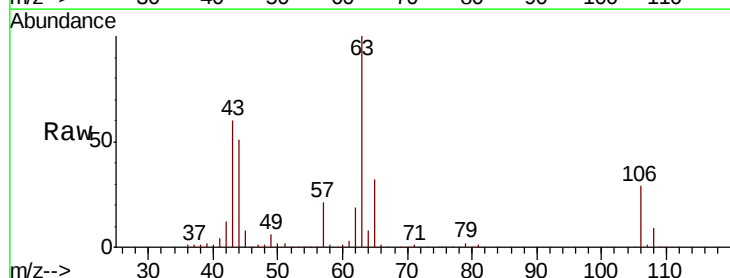
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#58
 2-Chloroethyl Vinyl ether
 Concen: 104.079 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003549.D
 Acq: 21 Jul 2018 12:42

Tgt Ion: 63 Resp: 235500
 Ion Ratio Lower Upper
 63 100
 106 28.1 21.8 32.8





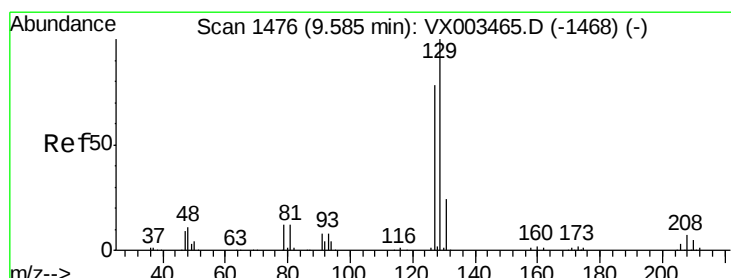
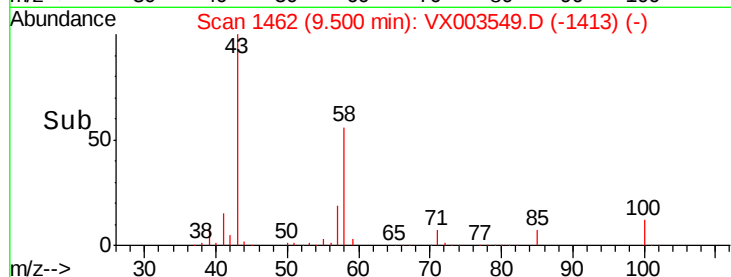
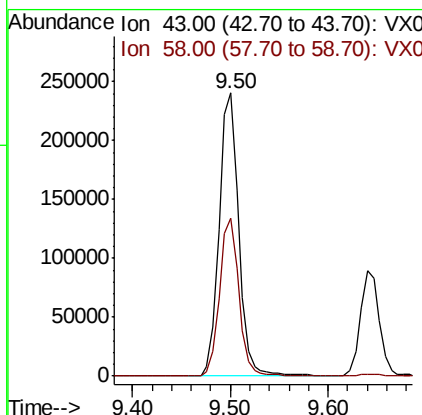
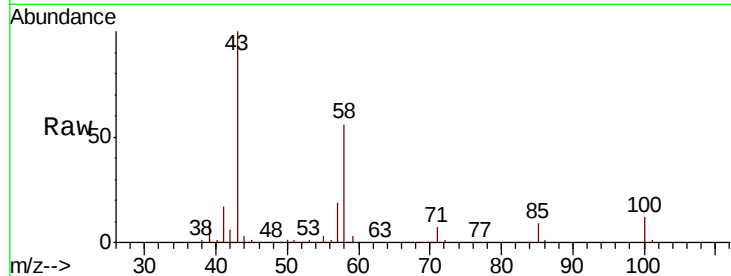
#59
2-Hexanone
Concen: 108.586 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS01

Tgt Ion: 43 Resp: 334240
Ion Ratio Lower Upper
43 100
58 55.5 24.6 73.6

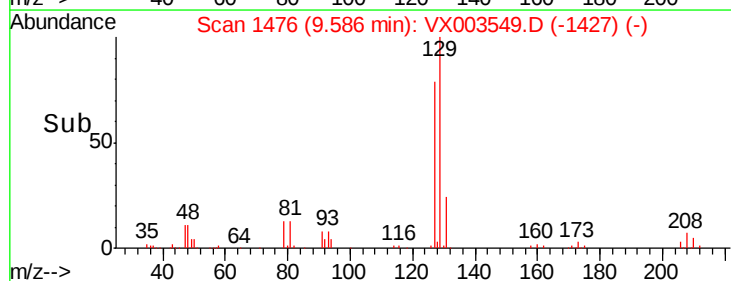
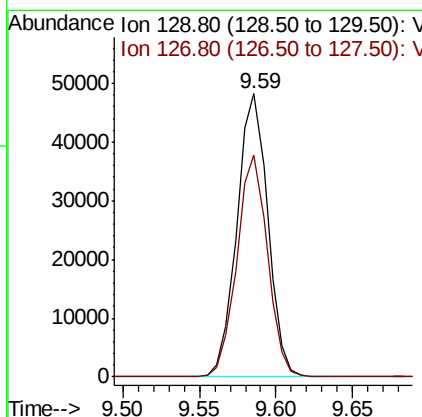
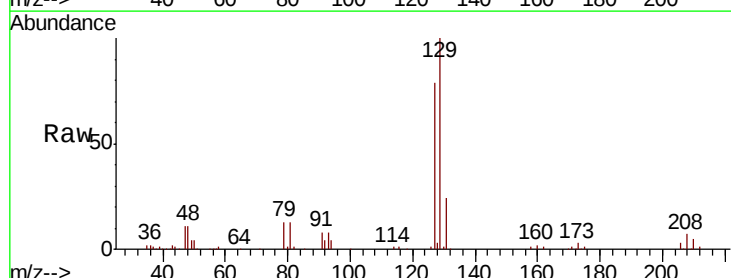
Manual Integrations
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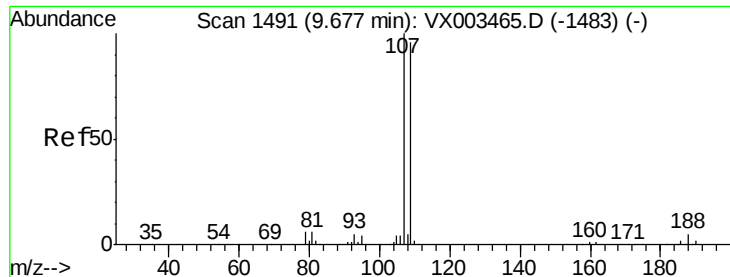
MMDadoda
7/23/2018 3:19:12 PM



#60
Dibromochloromethane
Concen: 20.627 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Tgt Ion: 129 Resp: 67454
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.3





#61

1,2-Dibromoethane

Concen: 20.996 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBS01

Tgt Ion: 107 Resp: 71907

Ion Ratio Lower Upper

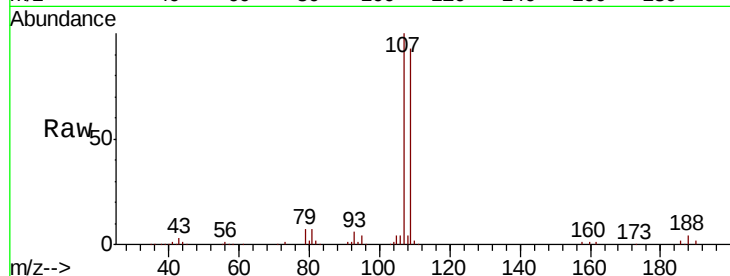
107 100

109 94.3 75.3 112.9

Manual Integrations
APPROVED

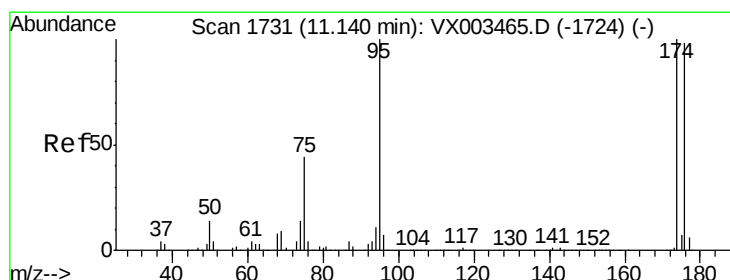
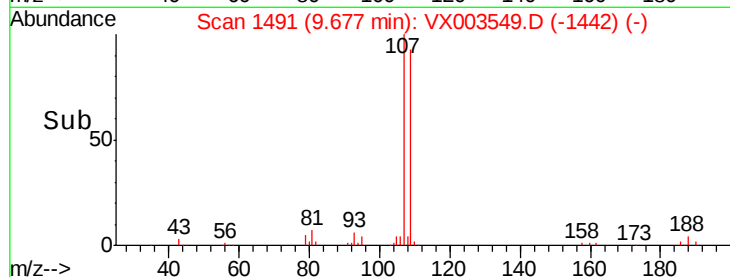
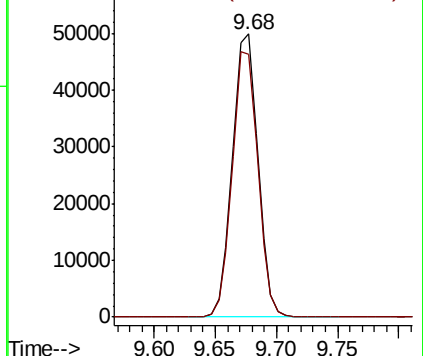
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.723 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

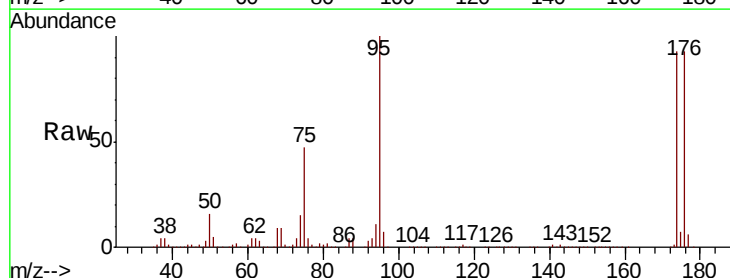
Tgt Ion: 95 Resp: 222883

Ion Ratio Lower Upper

95 100

174 94.6 0.0 187.4

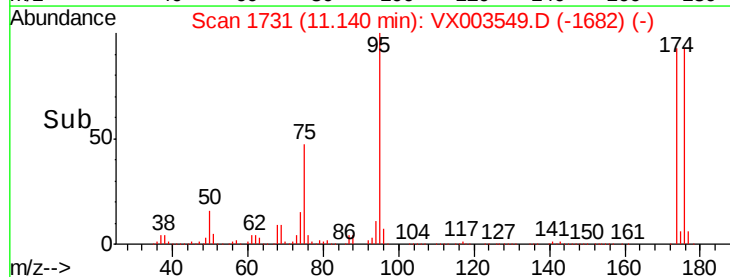
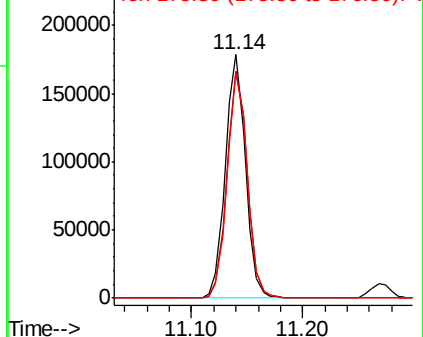
176 92.7 0.0 181.0

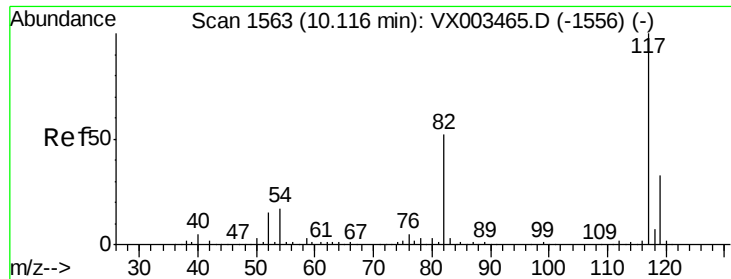


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

Instrument :

MSVOA_X

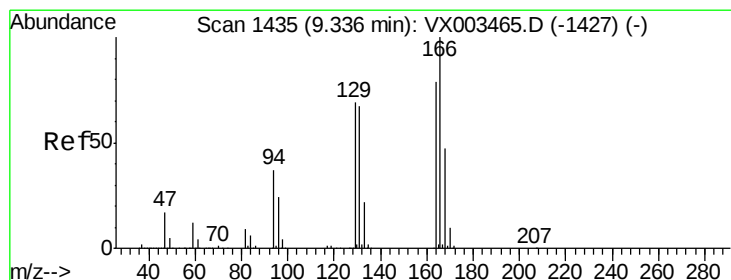
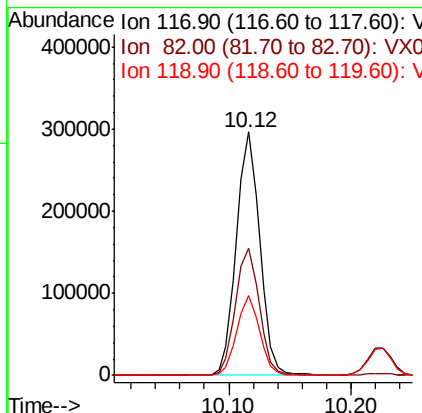
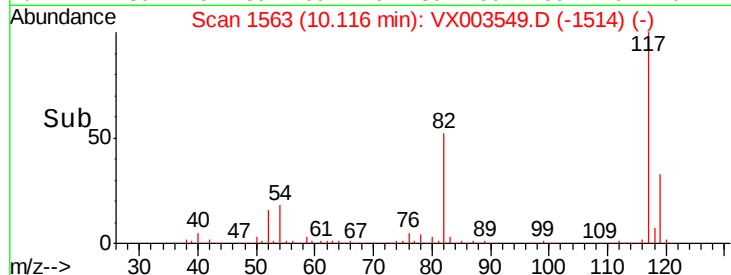
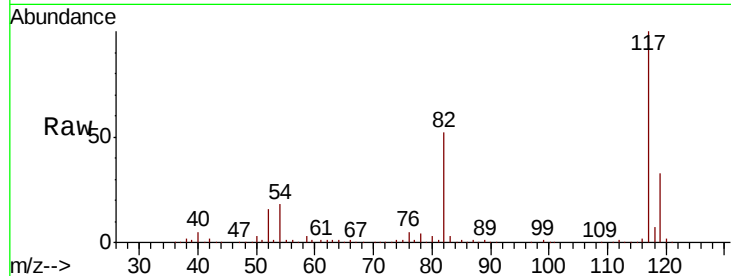
ClientSampleId :

VX0721WBS01

Tgt Ion:	117	Resp:	392177
Ion Ratio	Lower	Upper	
117	100		
82	52.3	45.0	67.4
119	32.5	25.8	38.6

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#64

Tetrachloroethene

Concen: 20.555 ug/l

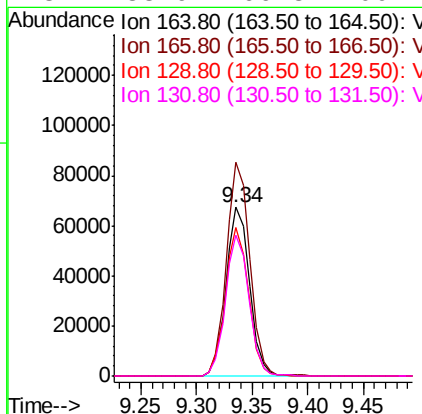
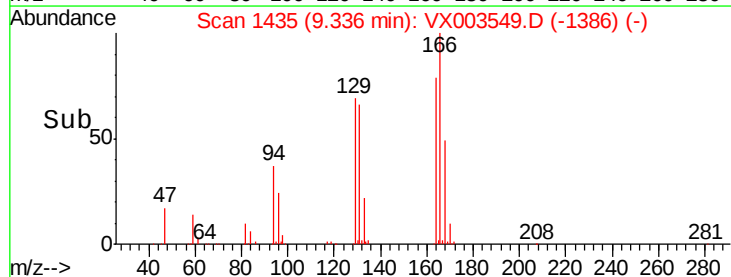
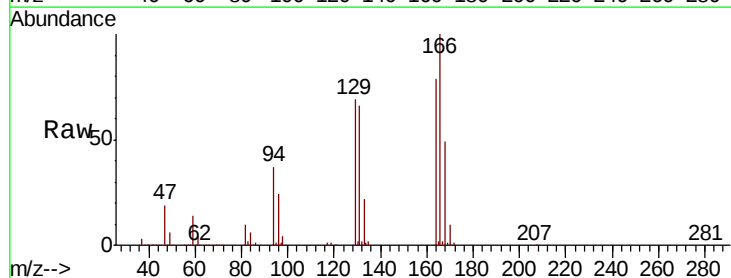
RT: 9.34 min Scan# 1435

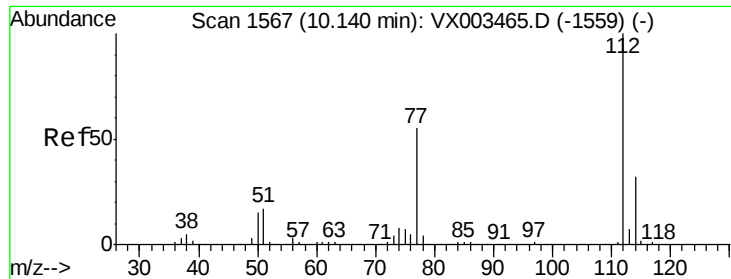
Delta R.T. 0.00 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

Tgt Ion:	164	Resp:	98216
Ion Ratio	Lower	Upper	
164	100		
166	126.7	102.9	154.3
129	87.8	68.6	102.8
131	83.9	66.8	100.2





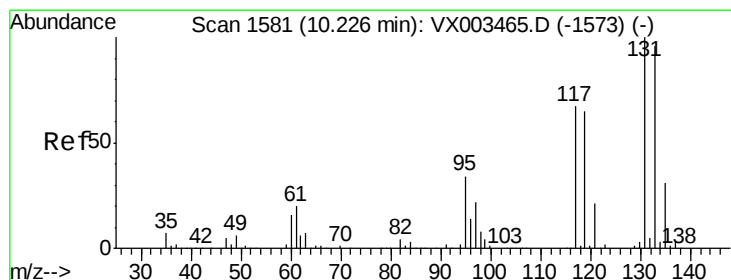
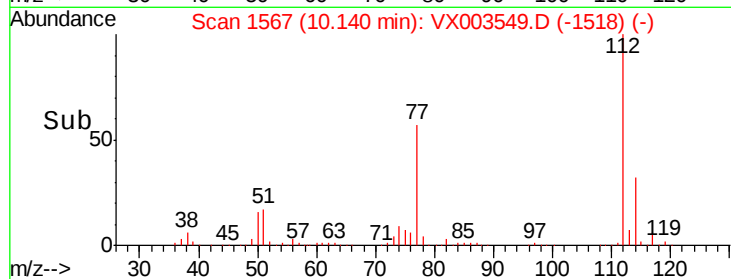
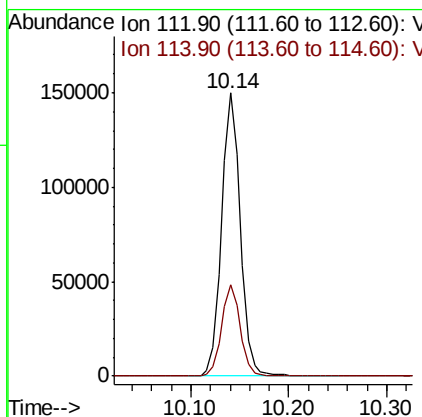
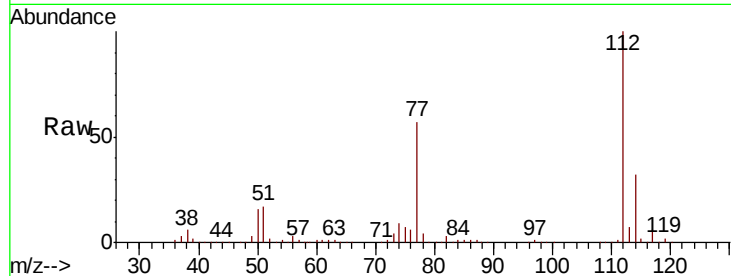
#65
Chlorobenzene
Concen: 19.731 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampled :
VX0721WBS01

Tgt Ion:112 Resp: 199372
Ion Ratio Lower Upper
112 100
114 32.3 25.3 37.9

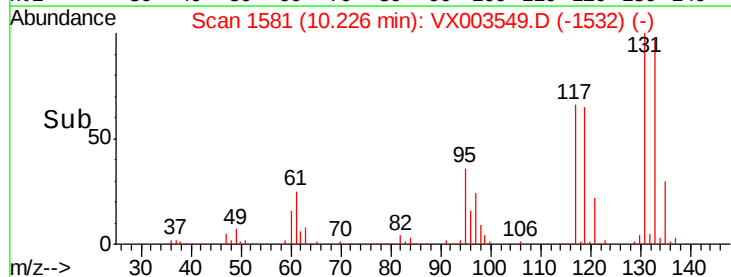
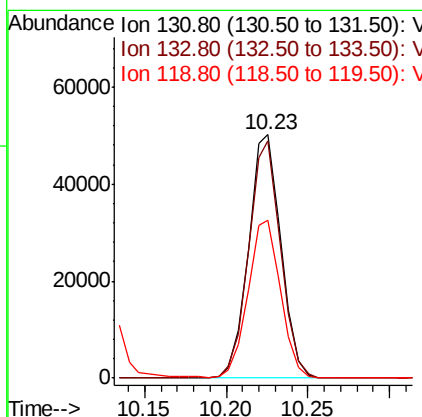
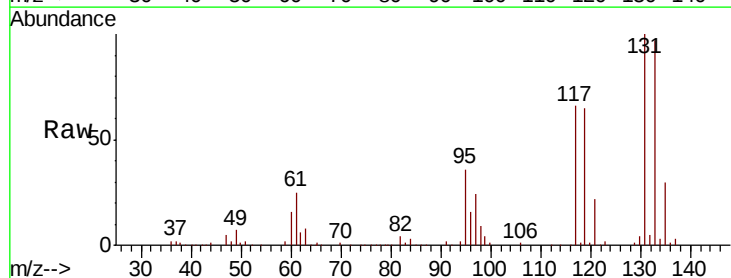
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.884 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Tgt Ion:131 Resp: 69127
Ion Ratio Lower Upper
131 100
133 96.3 47.9 143.6
119 65.5 31.8 95.3





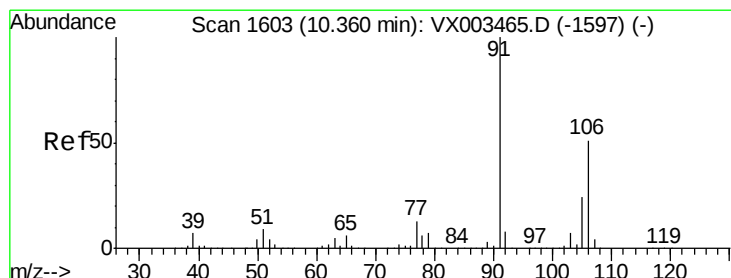
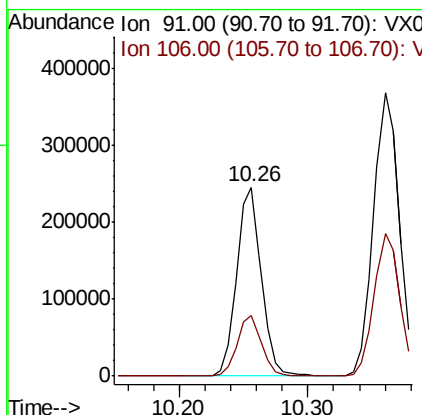
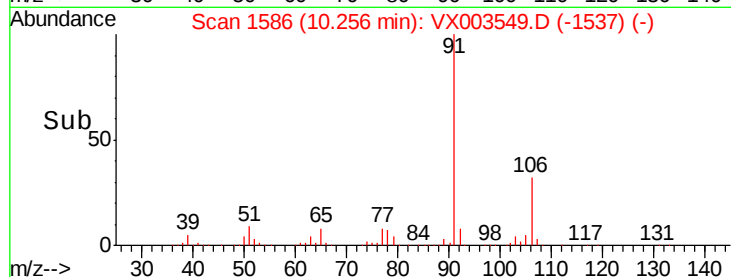
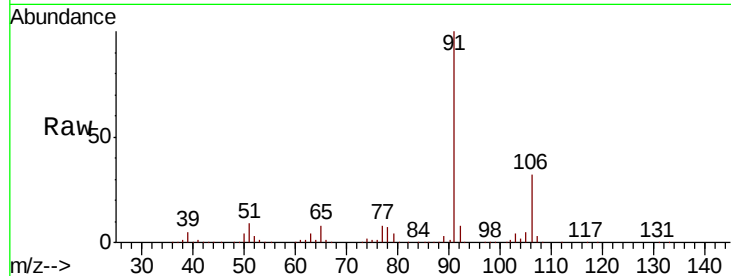
#67
Ethyl Benzene
Concen: 20.092 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS01

Tgt Ion: 91 Resp: 326429
Ion Ratio Lower Upper
91 100
106 31.9 25.5 38.3

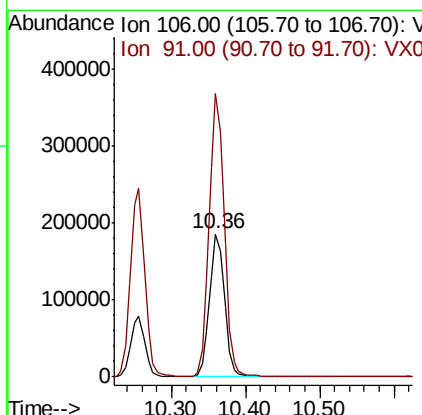
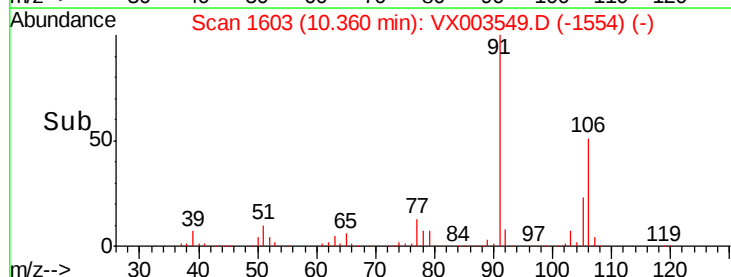
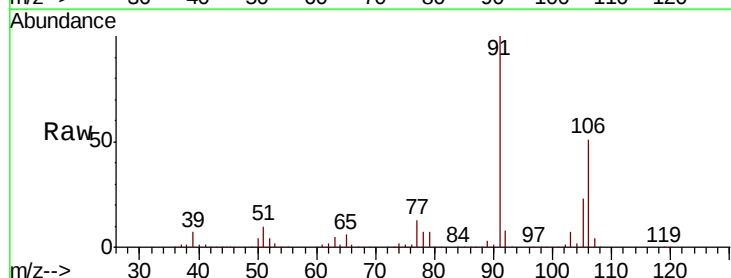
Manual Integrations
APPROVED

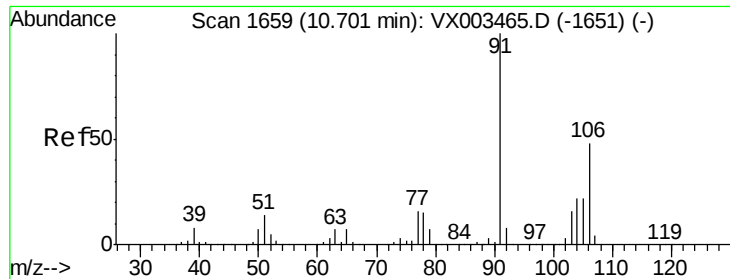
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#68
m/p-Xylenes
Concen: 40.494 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Tgt Ion: 106 Resp: 257918
Ion Ratio Lower Upper
106 100
91 199.2 163.4 245.2





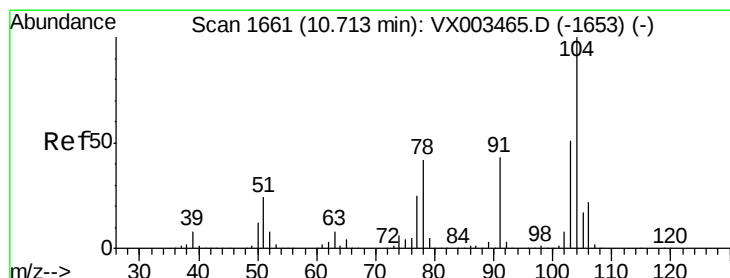
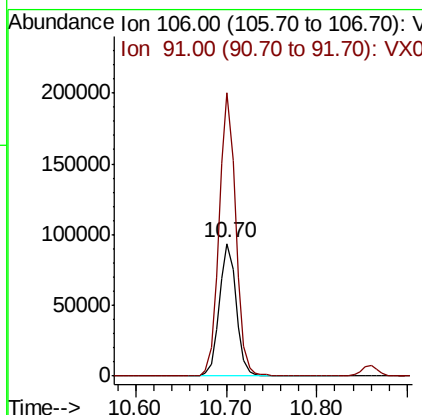
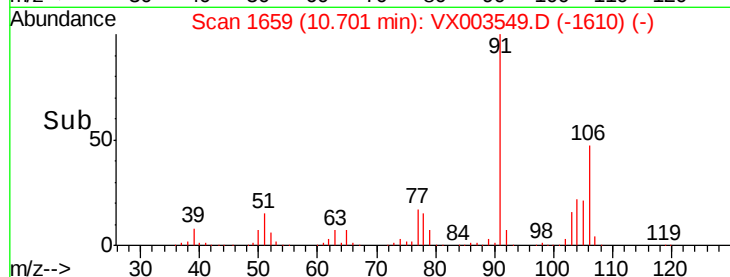
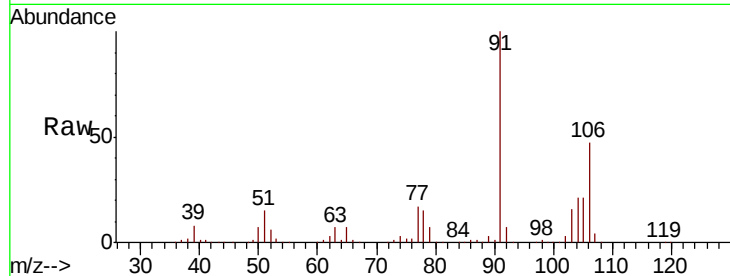
#69
o-Xylene
Concen: 19.807 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS01

Tgt Ion:106 Resp: 121992
Ion Ratio Lower Upper
106 100
91 210.5 108.2 324.6

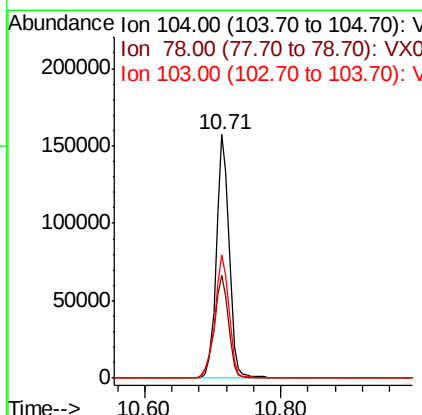
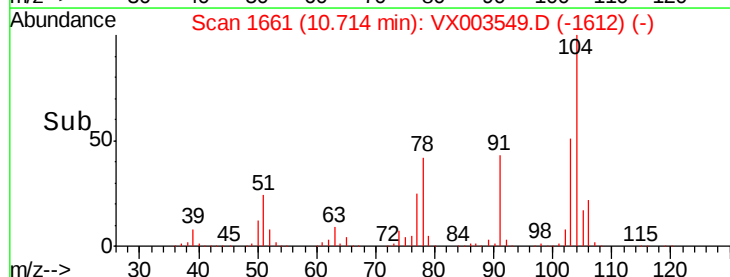
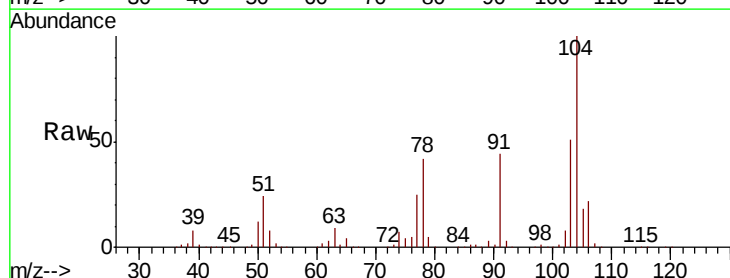
Manual Integrations
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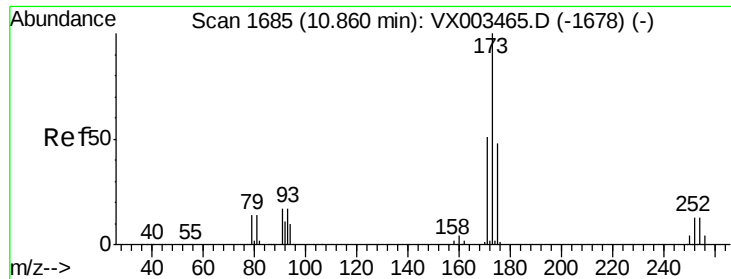
MMDadoda
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#70
Styrene
Concen: 20.224 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Tgt Ion:104 Resp: 204891
Ion Ratio Lower Upper
104 100
78 47.2 41.0 61.6
103 55.9 44.2 66.4





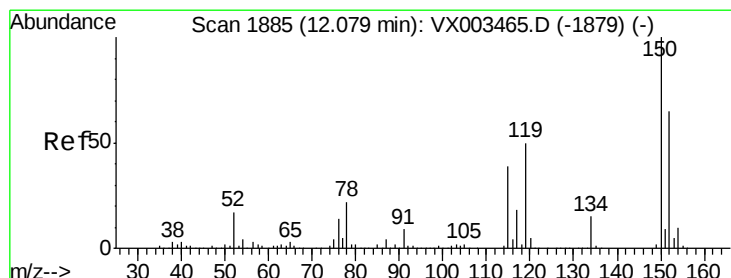
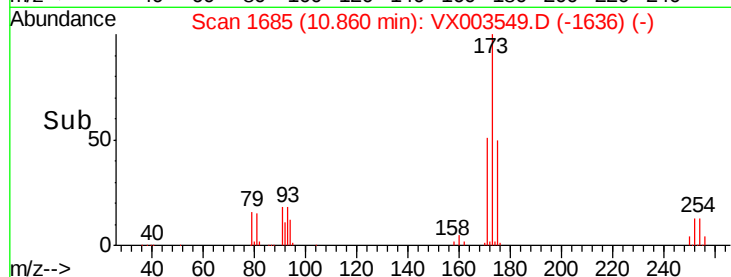
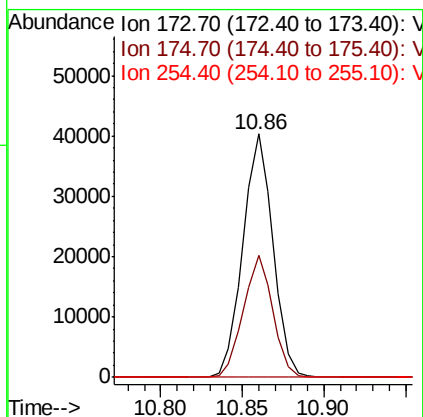
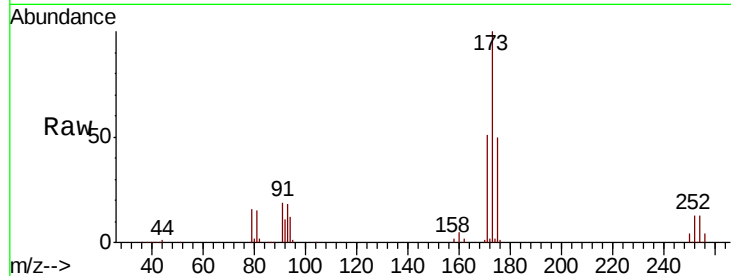
#71
Bromoform
Concen: 19.240 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS01

Tgt Ion:173 Resp: 51970
Ion Ratio Lower Upper
173 100
175 49.2 24.7 74.1
254 0.0 0.2 0.2#

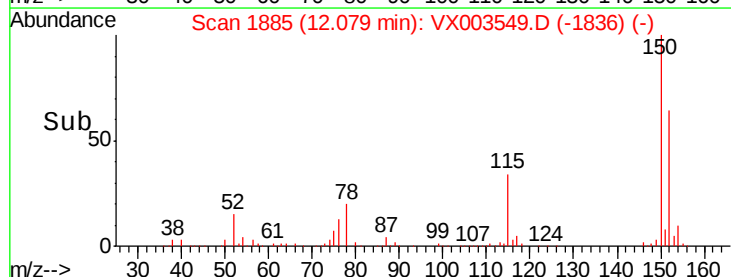
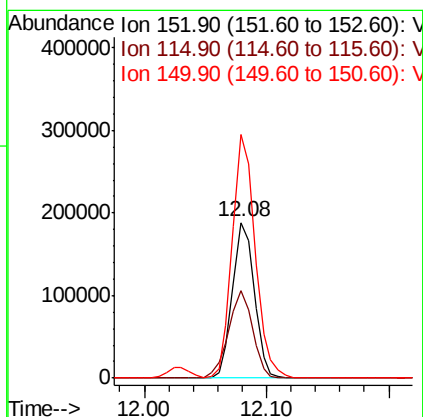
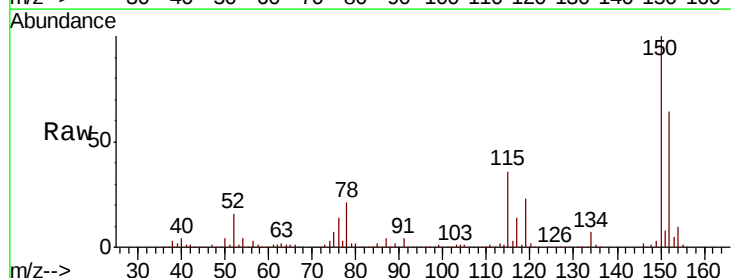
Manual Integrations
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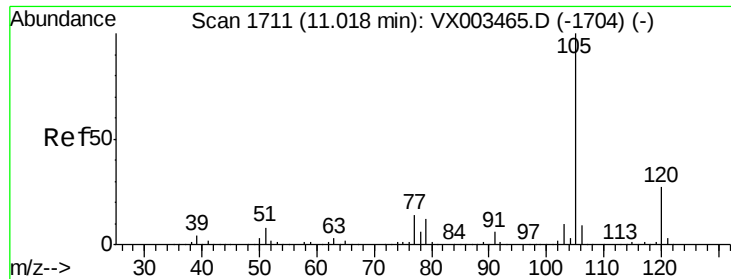
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Tgt Ion:152 Resp: 232218
Ion Ratio Lower Upper
152 100
115 62.2 40.1 120.2
150 164.1 0.0 347.2





#73

Isopropylbenzene

Concen: 20.758 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBS01

Tgt Ion: 105 Resp: 333379

Ion Ratio Lower Upper

105 100

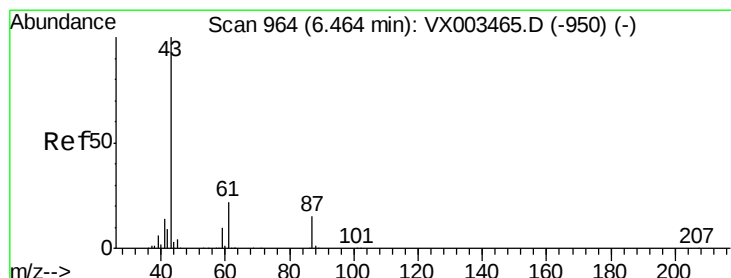
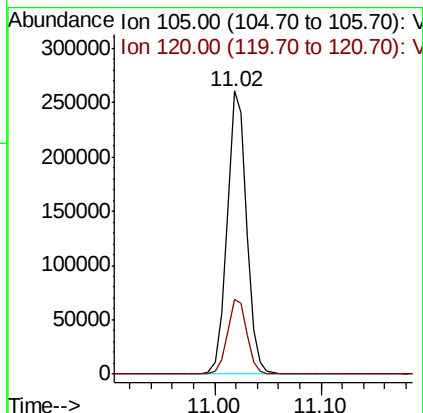
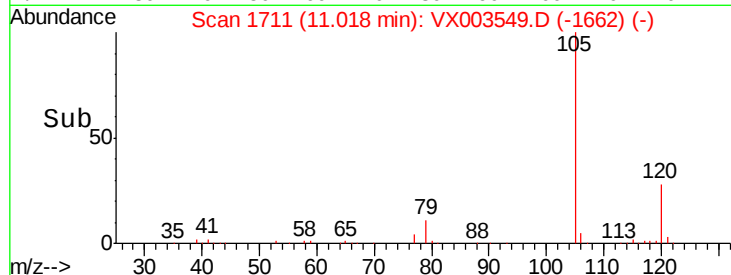
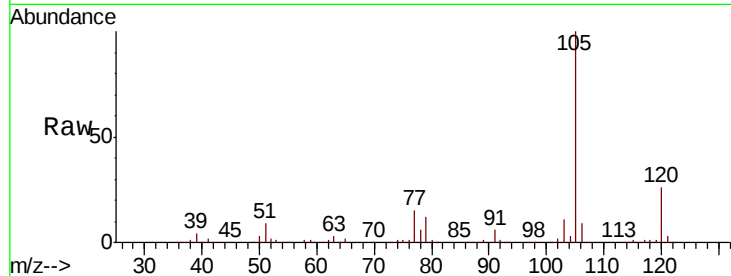
120 26.8 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.231 ug/l

RT: 6.46 min Scan# 964

Delta R.T. 0.00 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

Tgt Ion: 43 Resp: 137962

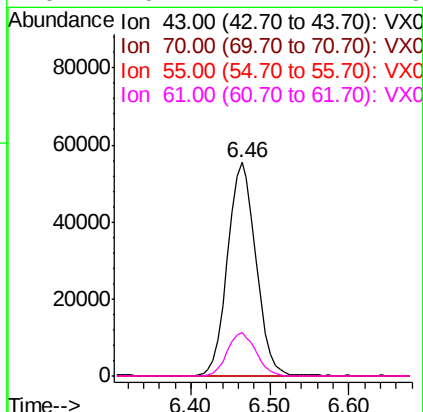
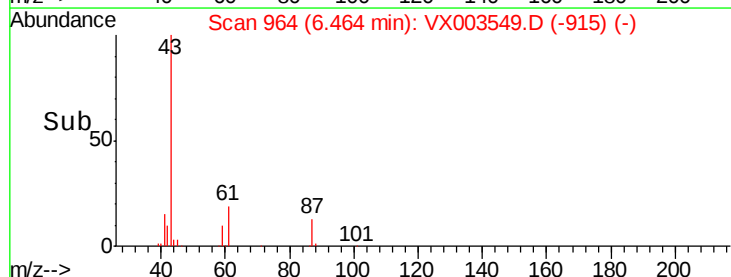
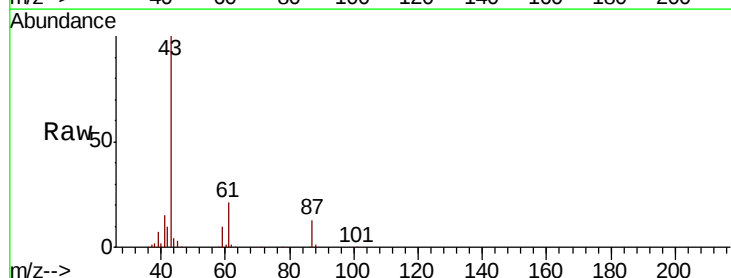
Ion Ratio Lower Upper

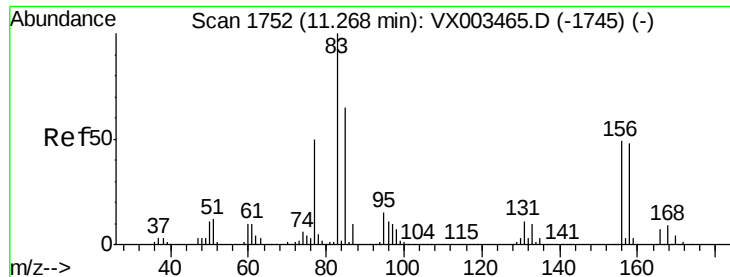
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 20.7 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.343 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBS01

Tgt Ion: 83 Resp: 91033

Ion Ratio Lower Upper

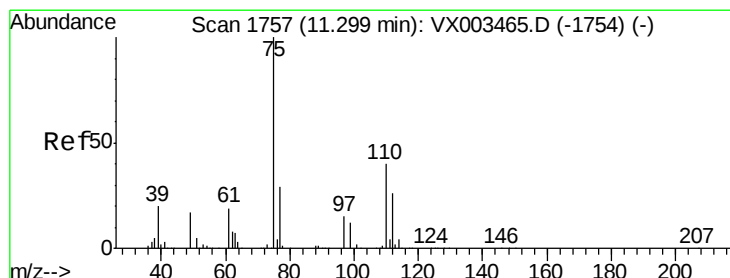
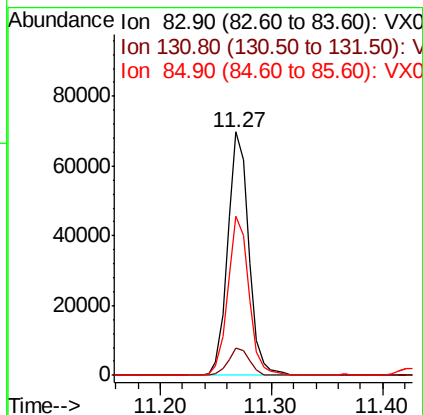
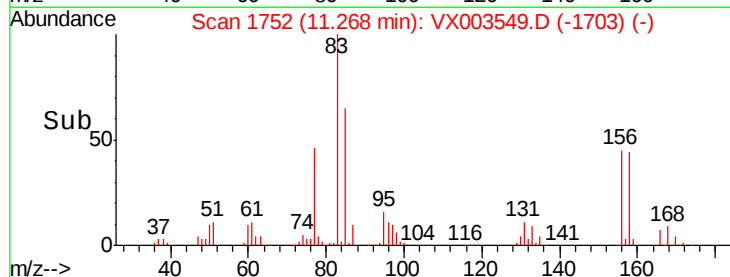
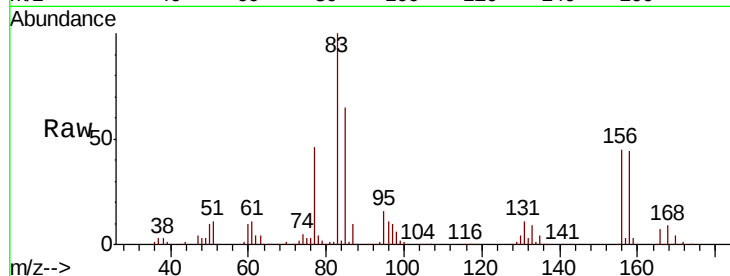
83 100

131 11.4 5.6 16.8

85 65.3 32.4 97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.997 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003549.D

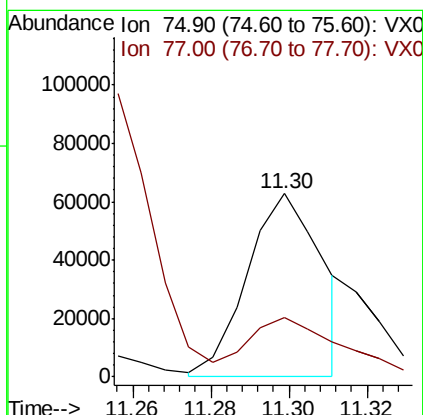
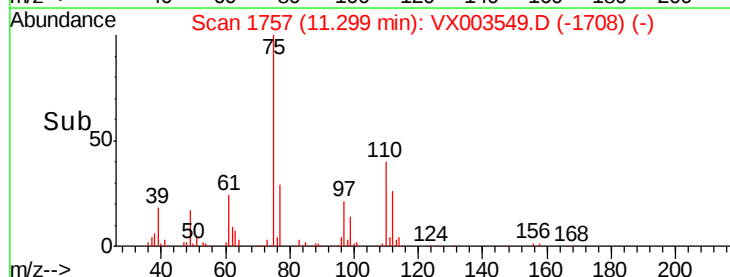
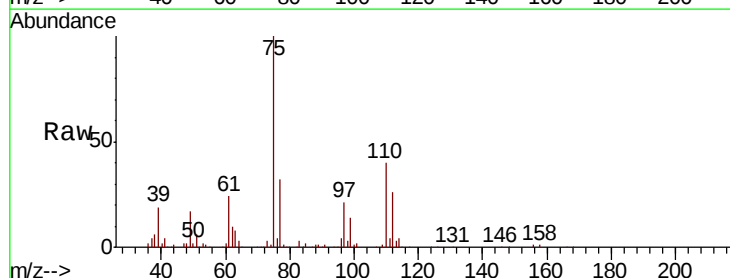
Acq: 21 Jul 2018 12:42

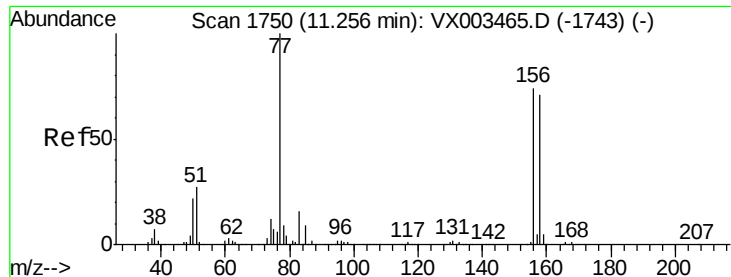
Tgt Ion: 75 Resp: 83422

Ion Ratio Lower Upper

75 100

77 40.1 22.8 68.3





#77

Bromobenzene

Concen: 19.865 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBS01

Tgt Ion:156 Resp: 91760

Ion Ratio Lower Upper

156 100

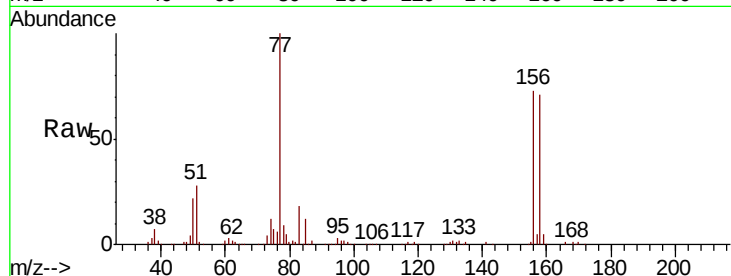
77 135.0 71.4 214.2

158 96.4 48.9 146.6

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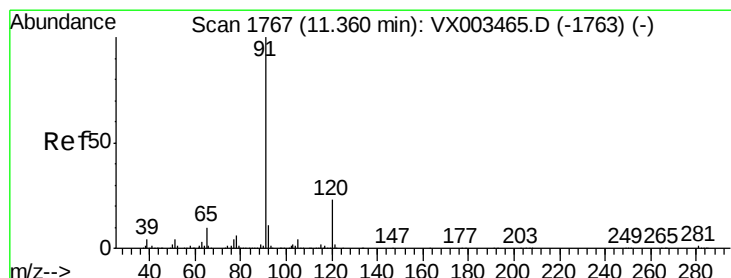
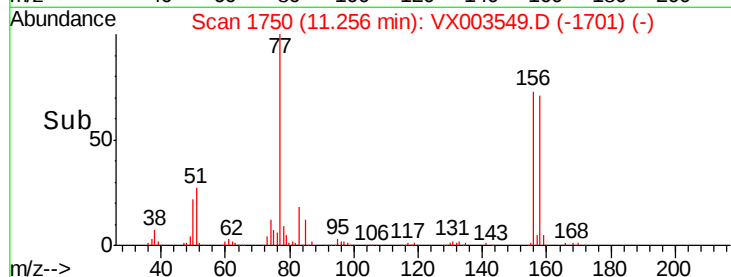
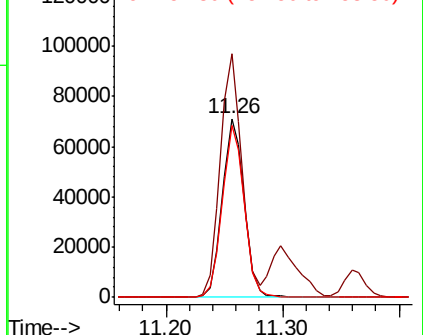
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.955 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003549.D

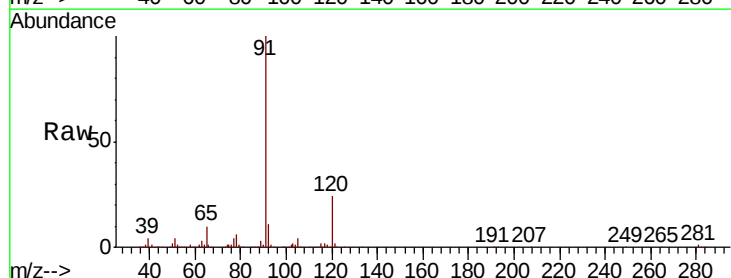
Acq: 21 Jul 2018 12:42

Tgt Ion: 91 Resp: 356240

Ion Ratio Lower Upper

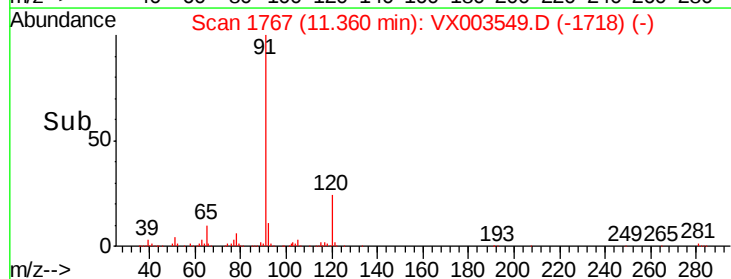
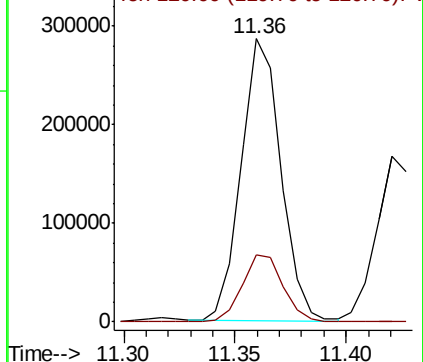
91 100

120 24.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.871 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBS01

Tgt Ion: 91 Resp: 215355

Ion Ratio Lower Upper

91 100

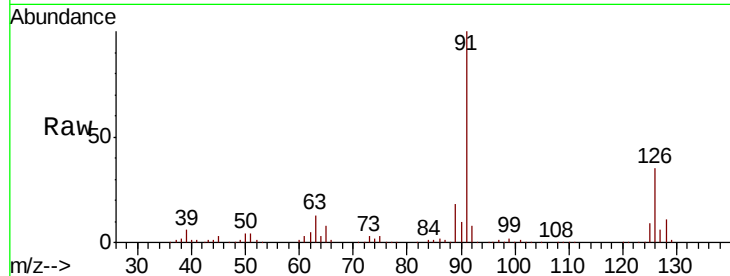
126 36.8 17.7 53.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX003465.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX003465.D (-1773) (-)

300000

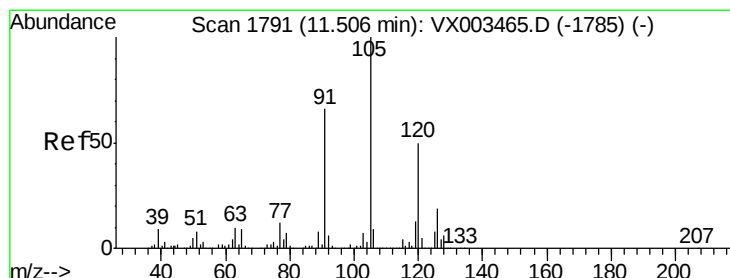
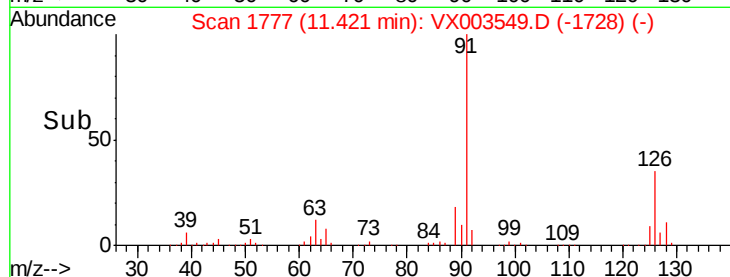
200000

100000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.288 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003549.D

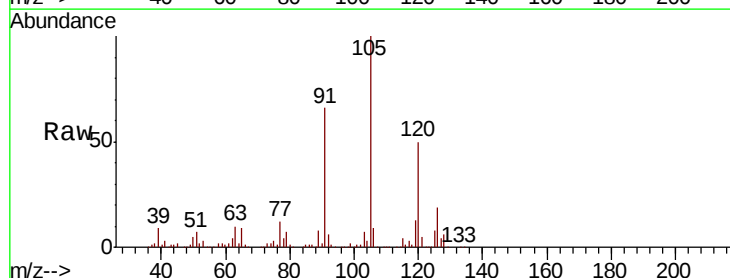
Acq: 21 Jul 2018 12:42

Tgt Ion: 105 Resp: 267783

Ion Ratio Lower Upper

105 100

120 50.6 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003465.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX003465.D (-1785) (-)

250000

200000

150000

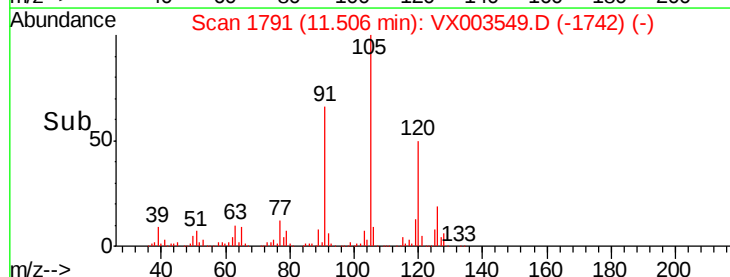
100000

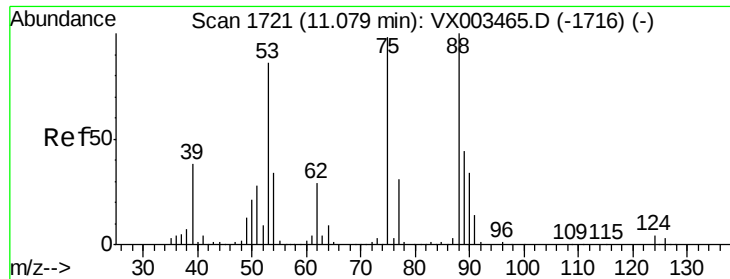
50000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.955 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBS01

Tgt Ion: 75 Resp: 25576

Ion Ratio Lower Upper

75 100

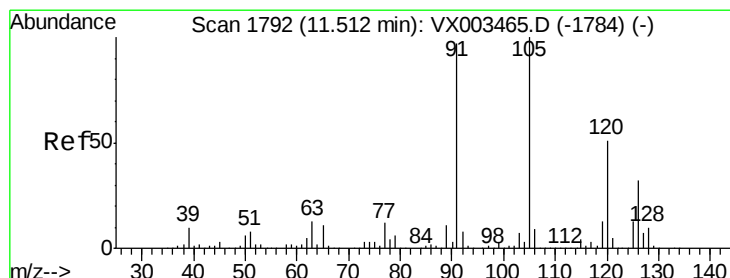
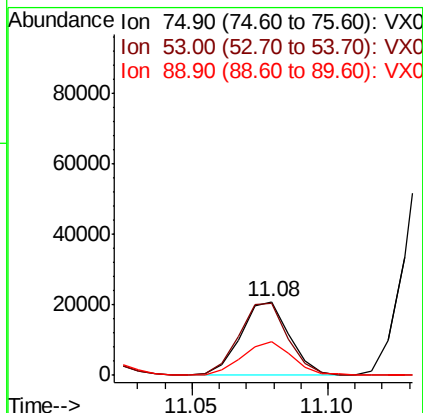
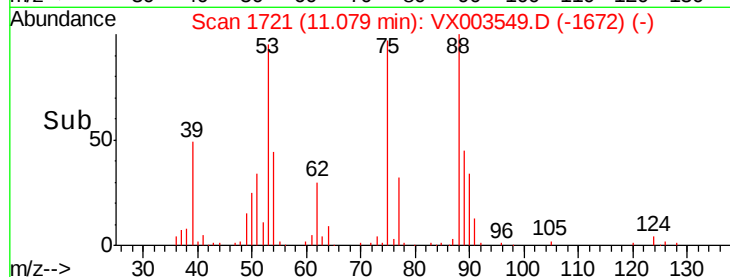
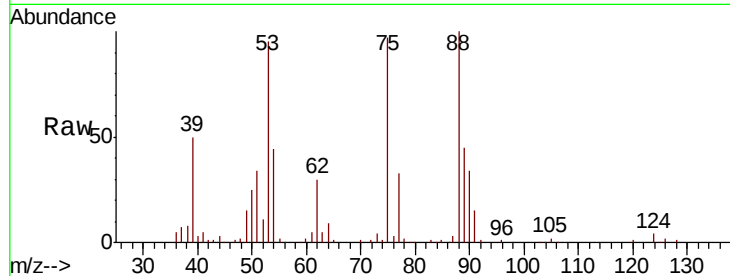
53 100.1 86.8 130.2

89 48.4 38.2 57.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.634 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003549.D

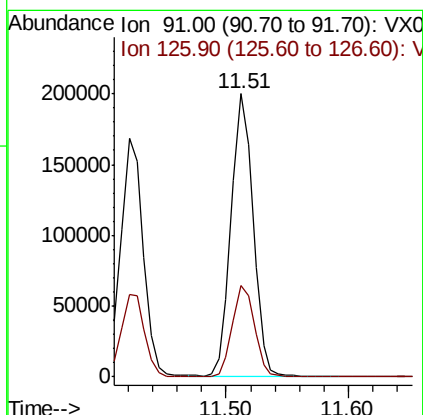
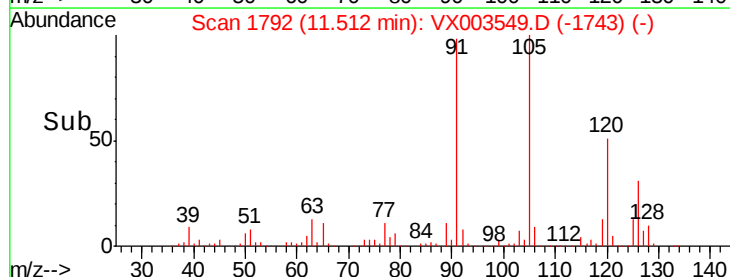
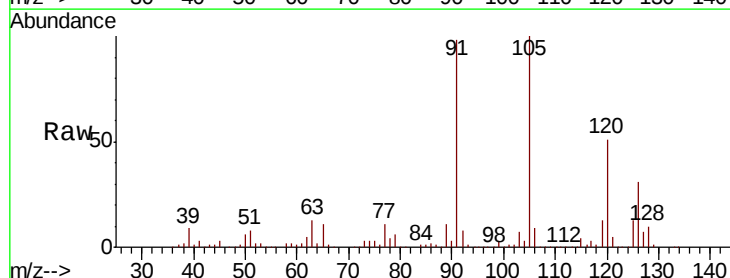
Acq: 21 Jul 2018 12:42

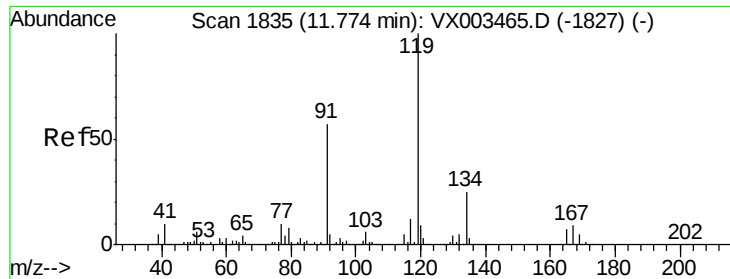
Tgt Ion: 91 Resp: 249330

Ion Ratio Lower Upper

91 100

126 32.6 15.4 46.4





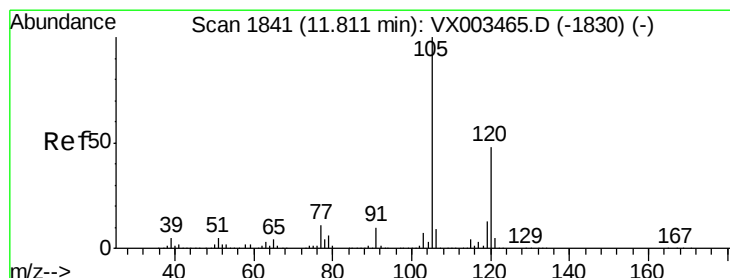
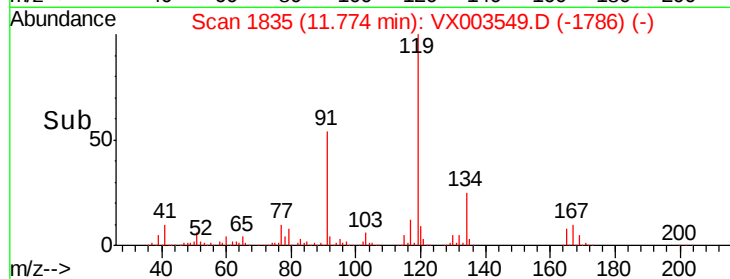
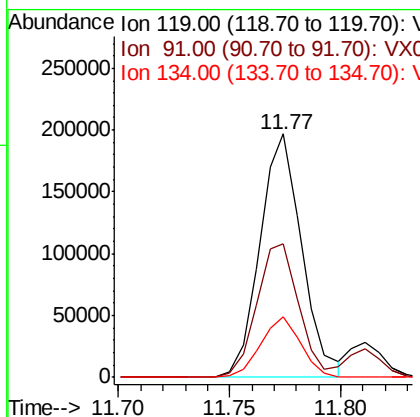
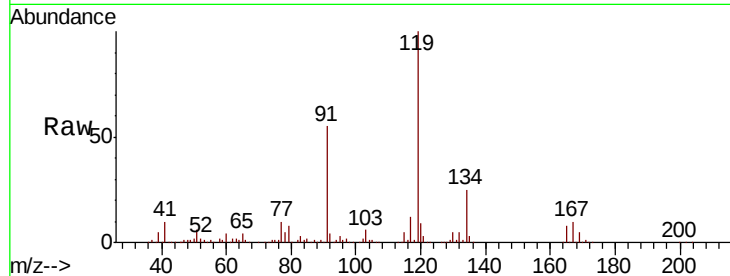
#83
 tert-Butylbenzene
 Concen: 19.902 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003549.D
 Acq: 21 Jul 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	257250		
91	54.7	30.3	90.9	
134	23.8	11.7	35.1	

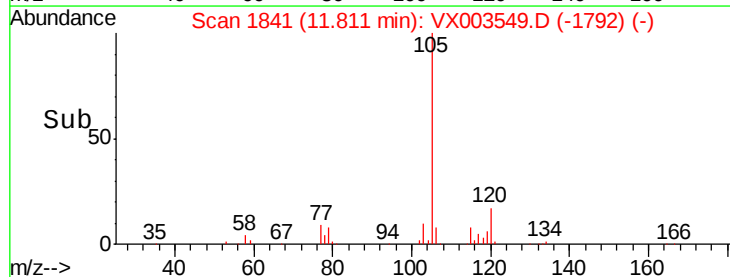
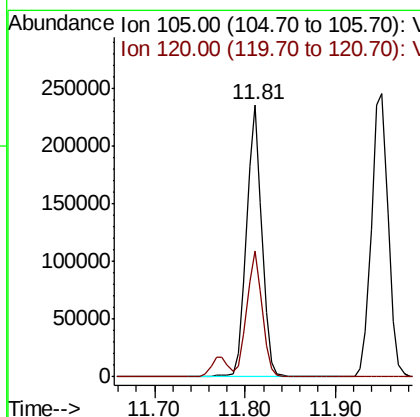
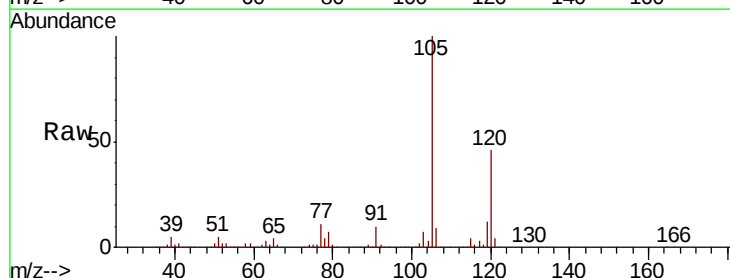
Manual Integrations
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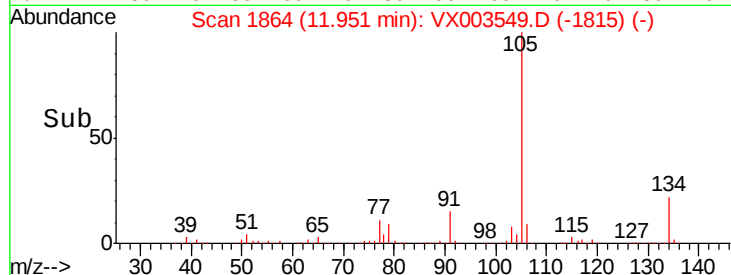
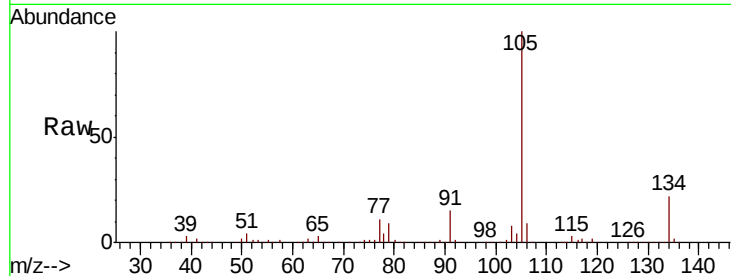
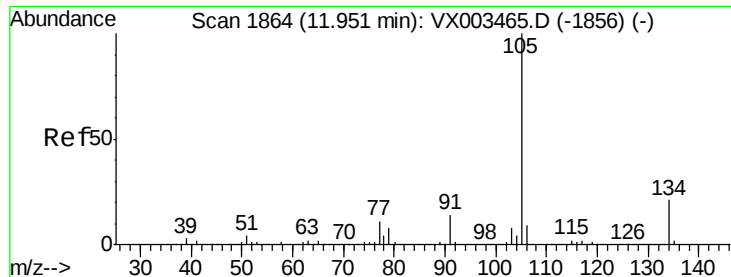
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.561 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003549.D
 Acq: 21 Jul 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	276137		
120	46.2	22.3	66.8	





#85

sec-Butylbenzene

Concen: 20.072 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

Tgt Ion:105 Resp: 315131

Ion Ratio Lower Upper

105 100

134 21.3 10.4 31.1

Instrument :

MSVOA_X

ClientSampleId :

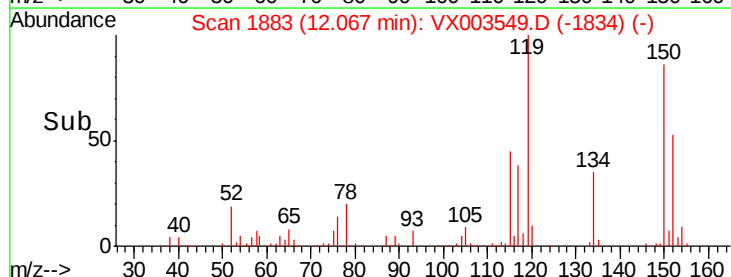
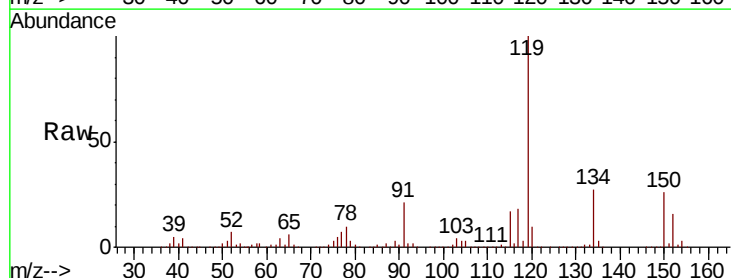
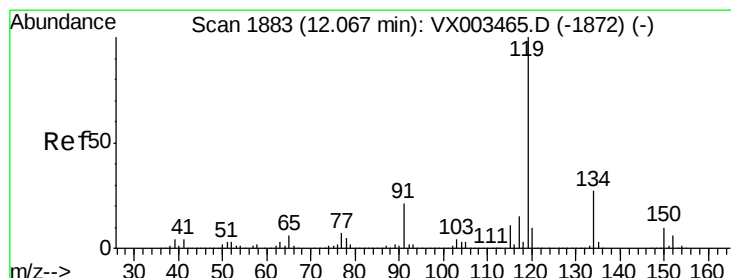
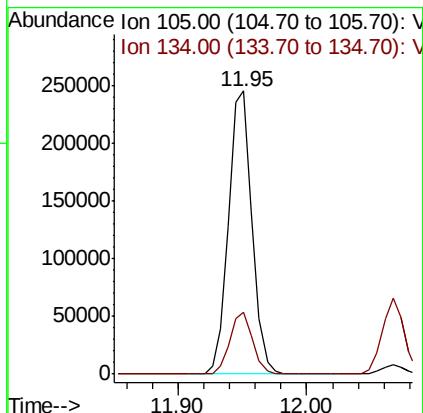
VX0721WBS01

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#86

p-Isopropyltoluene

Concen: 20.468 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003549.D

Acq: 21 Jul 2018 12:42

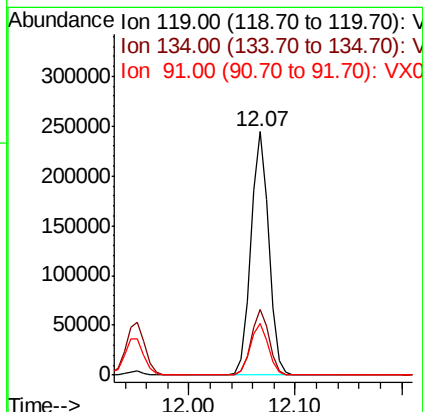
Tgt Ion:119 Resp: 288393

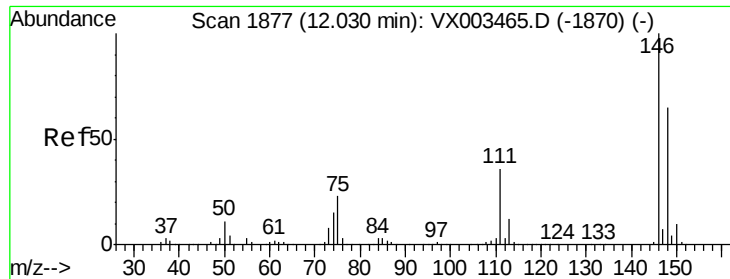
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 21.4 11.9 35.7





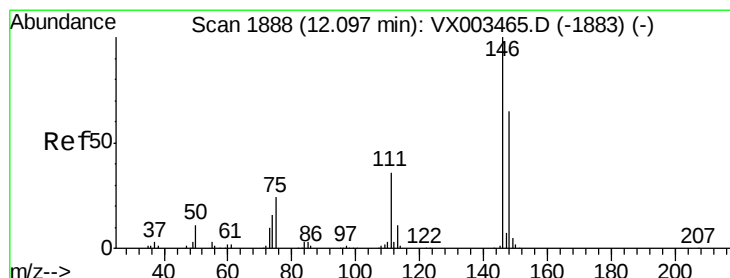
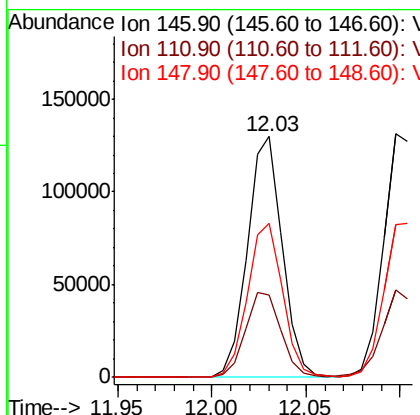
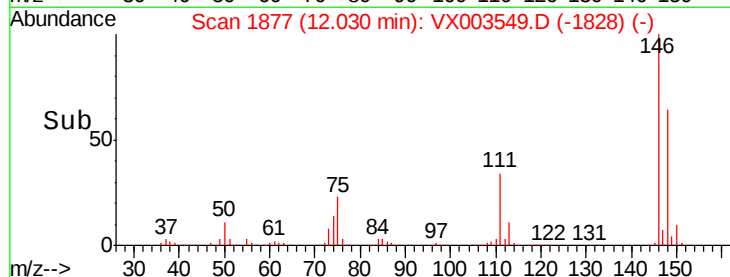
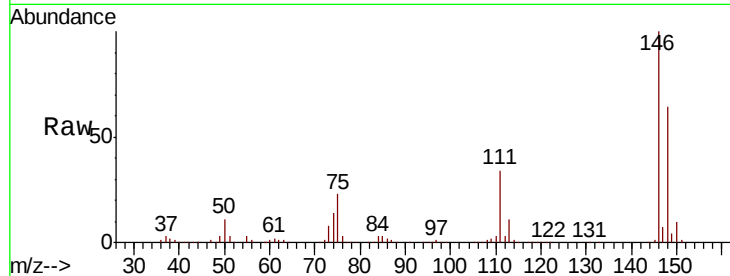
#87
 1,3-Dichlorobenzene
 Concen: 19.525 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003549.D
 Acq: 21 Jul 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.9	56.7
148	64.7	32.1	96.3

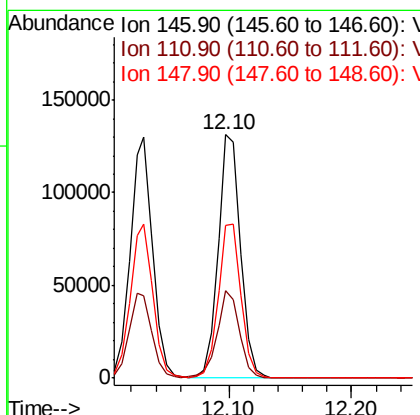
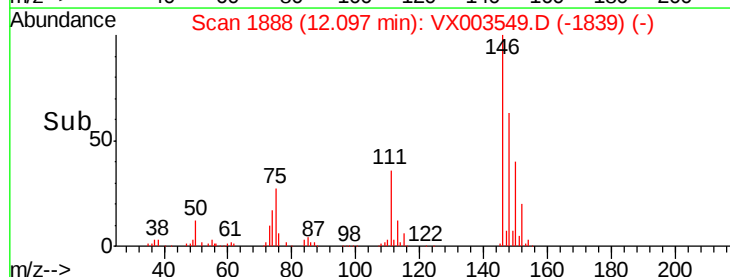
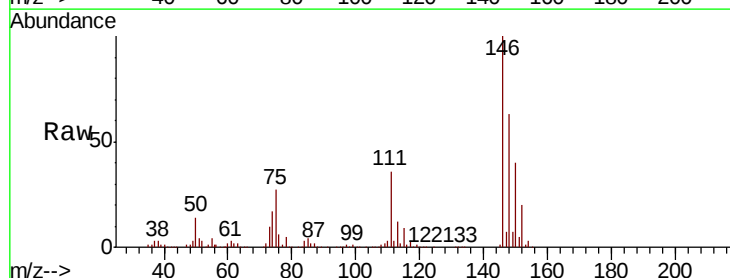
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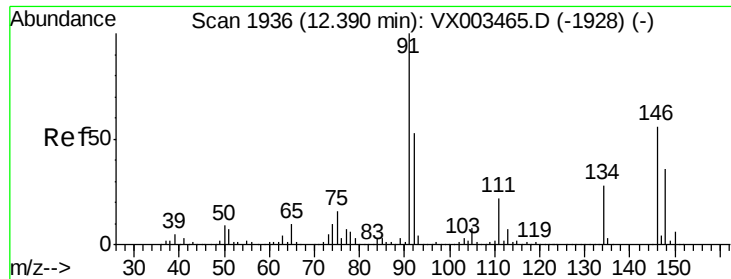
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#88
 1,4-Dichlorobenzene
 Concen: 19.139 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003549.D
 Acq: 21 Jul 2018 12:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.7	56.1
148	64.3	32.4	97.0





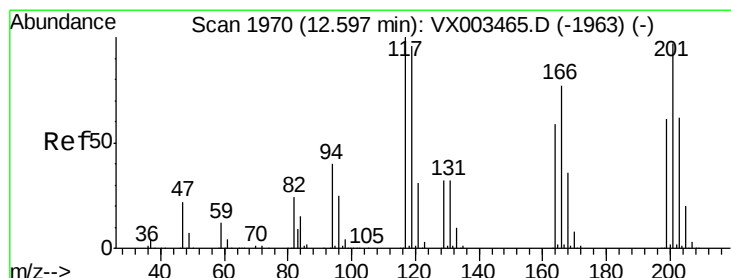
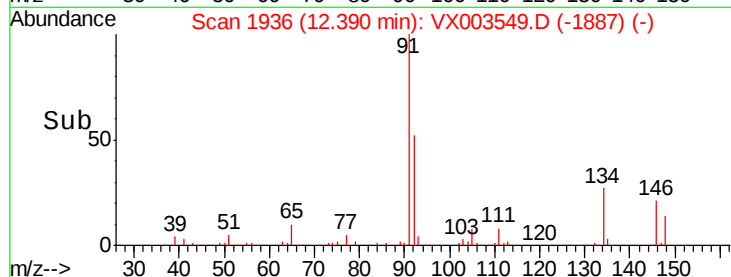
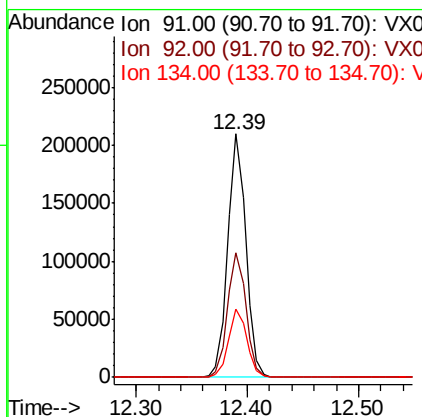
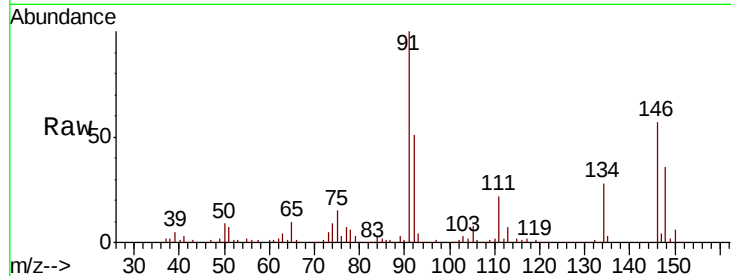
#89
n-Butylbenzene
Concen: 19.774 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.0	78.0
134	28.3	13.5	40.5

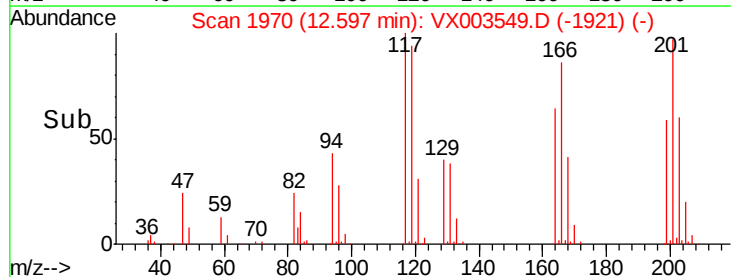
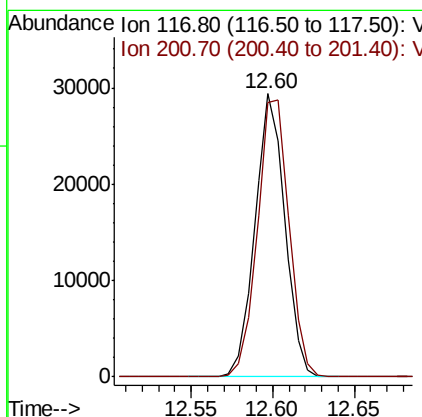
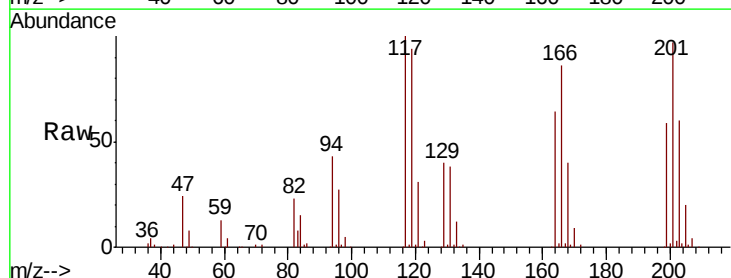
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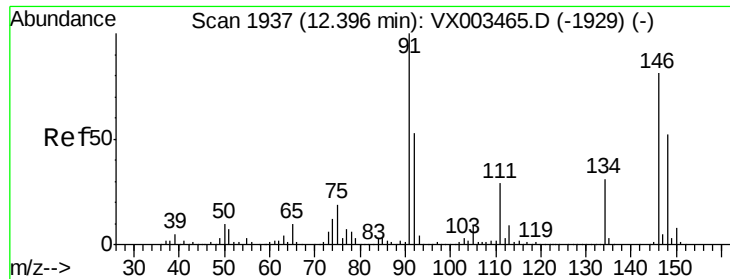
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#90
Hexachloroethane
Concen: 18.647 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	103.5	49.0	147.0





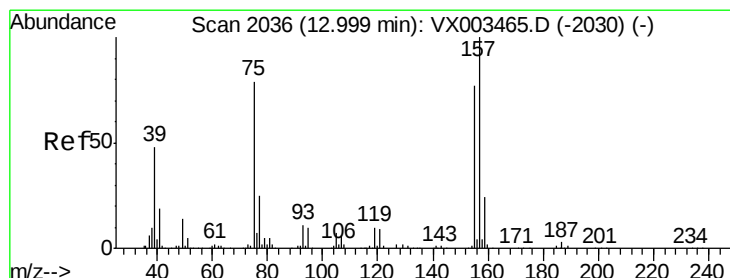
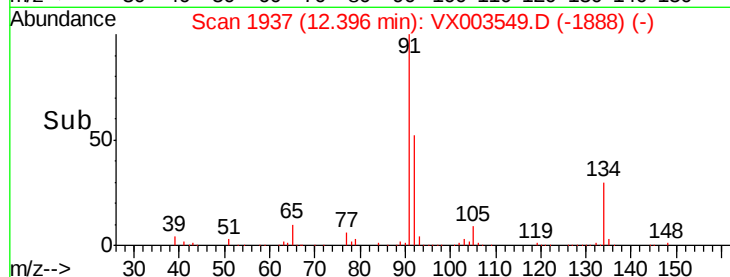
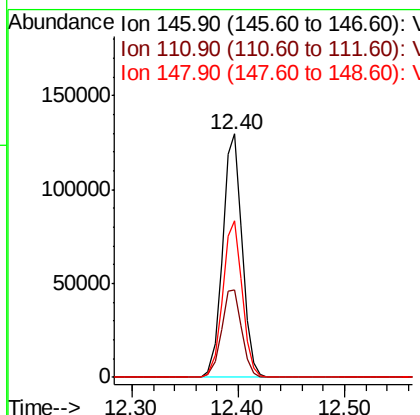
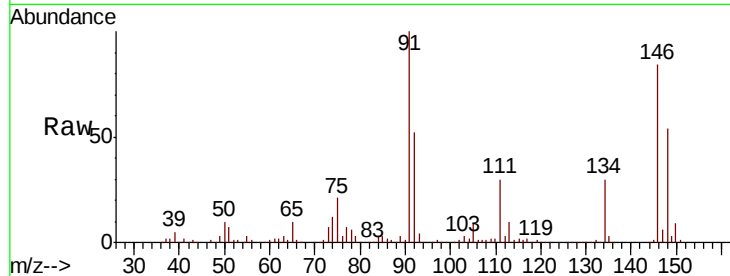
#91
 1,2-Dichlorobenzene
 Concen: 19.793 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003549.D
 Acq: 21 Jul 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	19.4	58.1
148	64.1	31.7	95.1

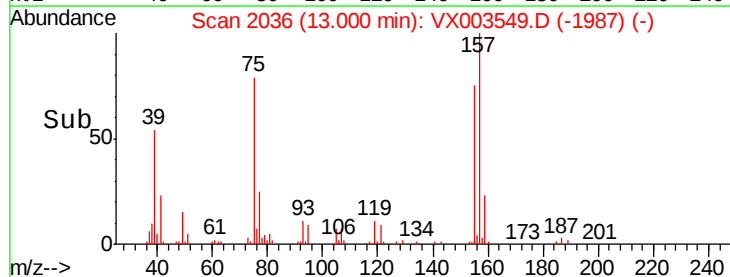
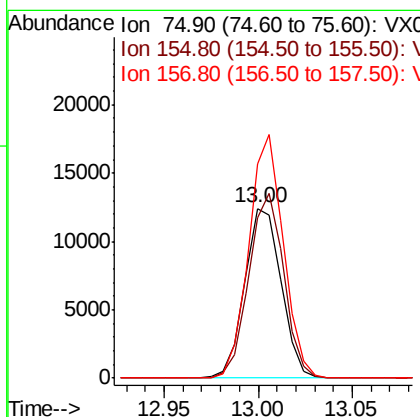
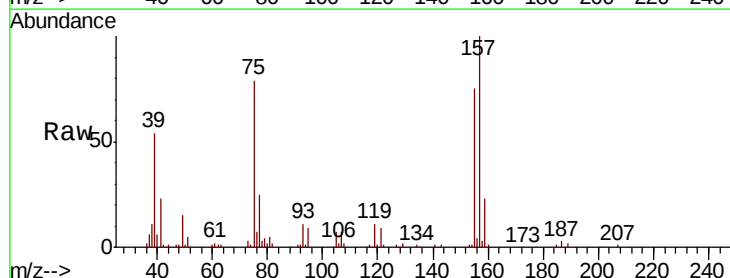
Manual Integrations
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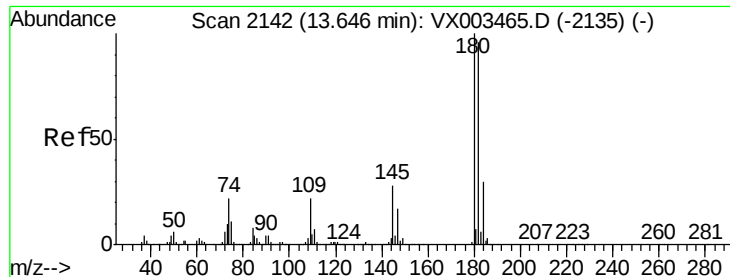
MMDadoda
 7/23/2018 3:19:12 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.174 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX003549.D
 Acq: 21 Jul 2018 12:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.8	45.8	137.4
157	135.7	60.1	180.3





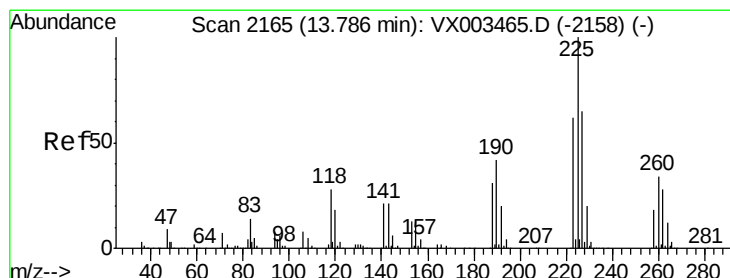
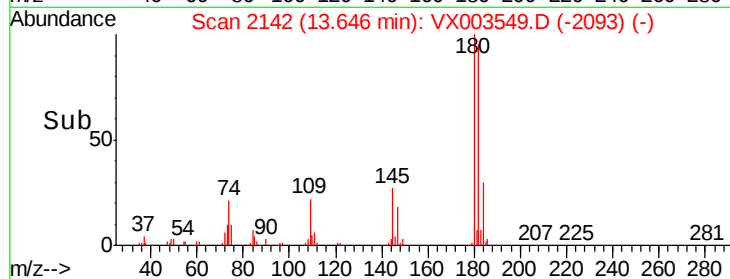
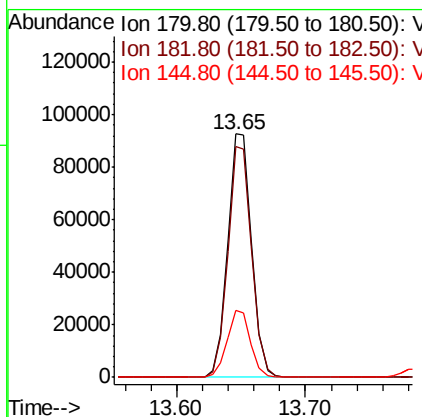
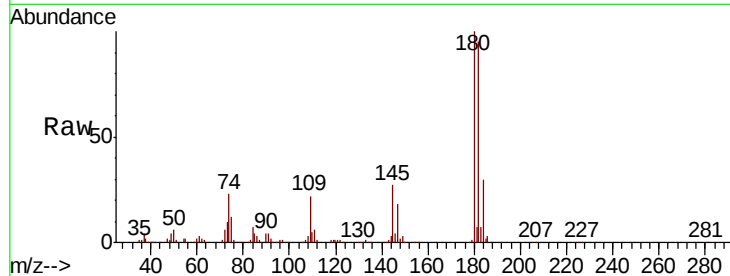
#93
 1,2,4-Trichlorobenzene
 Concen: 19.629 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003549.D
 Acq: 21 Jul 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	120387		
182	94.4	47.7	143.1	
145	26.8	14.1	42.4	

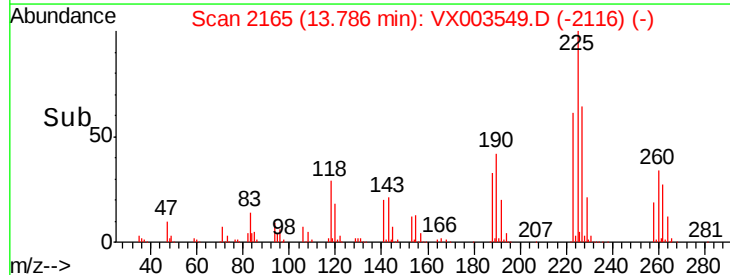
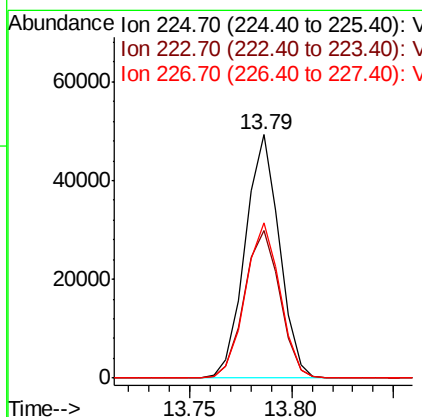
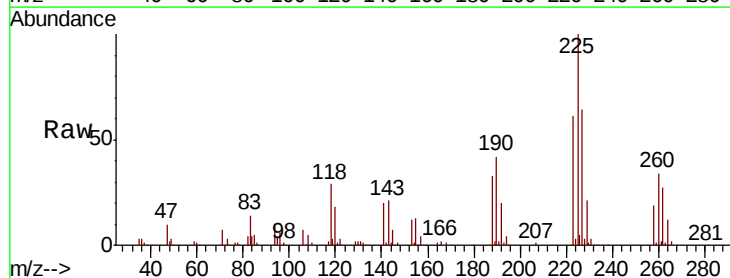
Manual Integrations
 APPROVED

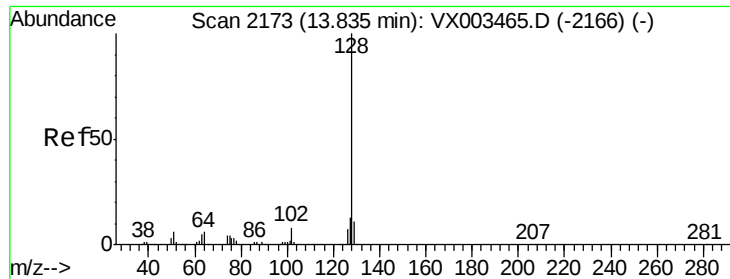
MMDadoda
 7/23/2018 3:19:12 PM



#94
 Hexachlorobutadiene
 Concen: 19.465 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003549.D
 Acq: 21 Jul 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57415		
223	63.0	31.6	95.0	
227	64.8	32.4	97.2	





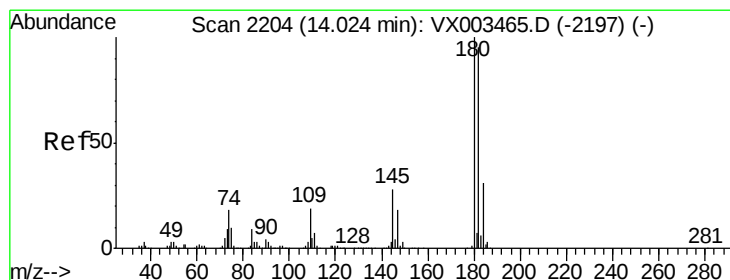
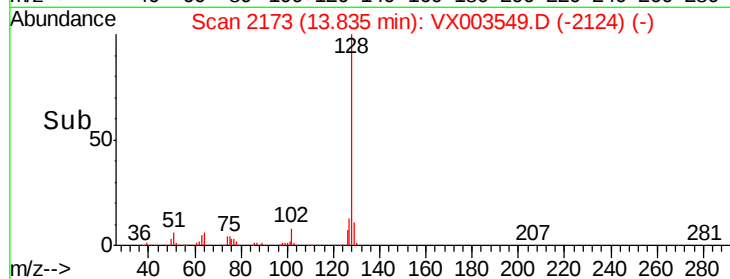
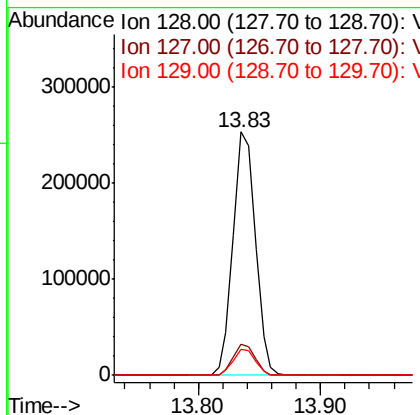
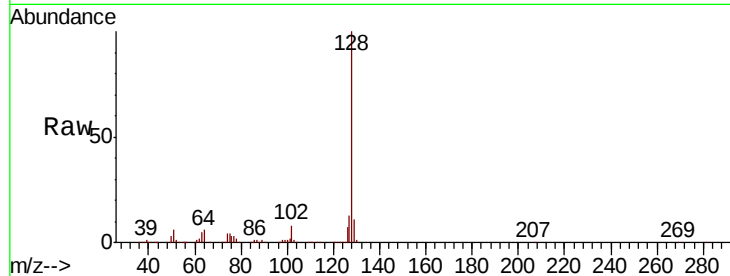
#95
Naphthalene
Concen: 19.835 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/23/2018 3:19:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.980 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003549.D
Acq: 21 Jul 2018 12:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.0	144.0
145	29.5	14.8	44.3

