

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071318\
 Data File : VX003373.D
 Acq On : 13 Jul 2018 20:41
 Operator : JC/MD
 Sample : VX0713WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0713WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/16/2018 11:24:46 AM

Quant Time: Jul 14 03:04:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 13 17:01:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	298178	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	436221	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	412507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	244248	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	161427	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
35) Dibromofluoromethane	5.51	113	143772	44.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.56%	
50) Toluene-d8	8.72	98	489035	46.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.56%	
62) 4-Bromofluorobenzene	11.14	95	195638	43.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	68979	28.63	ug/l	97
3) Chloromethane	1.32	50	86564	28.72	ug/l	99
4) Vinyl Chloride	1.40	62	99540	25.85	ug/l	100
5) Bromomethane	1.64	94	52390	24.05	ug/l	97
6) Chloroethane	1.72	64	63226	27.30	ug/l	98
7) Trichlorofluoromethane	1.93	101	135341	24.40	ug/l	97
8) Diethyl Ether	2.19	74	57584	23.44	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	81737	22.93	ug/l	96
10) Methyl Iodide	2.51	142	91458	25.26	ug/l	94
11) Tert butyl alcohol	3.07	59	108068	124.99	ug/l	100
12) 1,1-Dichloroethene	2.37	96	79032	23.87	ug/l	93
13) Acrolein	2.29	56	40213	127.20	ug/l	100
14) Allyl chloride	2.73	41	150955	23.77	ug/l	89
15) Acrylonitrile	3.15	53	254094	117.71	ug/l	98
16) Acetone	2.45	43	203381	121.51	ug/l	90
17) Carbon Disulfide	2.57	76	220506	27.13	ug/l	99
18) Methyl Acetate	2.78	43	121821	23.44	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	273824	23.13	ug/l	99
20) Methylene Chloride	2.86	84	91287	24.96	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	86259	24.42	ug/l	96
22) Diisopropyl ether	3.88	45	260895	22.07	ug/l	96
23) Vinyl Acetate	3.83	43	1088639	112.72	ug/l	96
24) 1,1-Dichloroethane	3.70	63	157607	23.52	ug/l	99
25) 2-Butanone	4.71	43	300265	115.74	ug/l	94
26) 2,2-Dichloropropane	4.59	77	98936	20.86	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	87683	22.58	ug/l	100
28) Bromochloromethane	5.03	49	61799	20.24	ug/l	95
29) Tetrahydrofuran	5.17	42	194197	117.18	ug/l	93
30) Chloroform	5.22	83	144765	22.54	ug/l	99
31) Cyclohexane	5.58	56	122632	23.91	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	121783	22.76	ug/l	99
36) 1,1-Dichloropropene	5.80	75	106182	22.91	ug/l	98
37) Ethyl Acetate	4.87	43	115021	22.65	ug/l	96
38) Carbon Tetrachloride	5.79	117	105530	22.34	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	120801	23.03	ug/l	95
40) Benzene	6.15	78	329031	22.67	ug/l	100
41) Methacrylonitrile	5.07	41	64324	22.11	ug/l	93
42) 1,2-Dichloroethane	6.20	62	116170	22.91	ug/l	97
43) Isopropyl Acetate	6.47	43	179446	22.55	ug/l	95
44) Trichloroethene	7.21	130	91798	22.32	ug/l	98
45) 1,2-Dichloropropane	7.52	63	86151	22.38	ug/l	99
46) Dibromomethane	7.67	93	56685	22.90	ug/l	99
47) Bromodichloromethane	7.90	83	102729	22.01	ug/l	96
48) Methyl methacrylate	7.78	41	91195	22.45	ug/l	88
49) 1,4-Dioxane	7.76	88	41573	469.02	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	600622	115.46	ug/l	94
52) Toluene	8.79	92	207709	22.58	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	122591	22.36	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	111388	22.24	ug/l	93
55) 1,1,2-Trichloroethane	9.22	97	85453	22.26	ug/l	98
56) Ethyl methacrylate	9.18	69	123484	22.52	ug/l #	87
57) 1,3-Dichloropropane	9.38	76	140264	22.54	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	262886	98.66	ug/l	98
59) 2-Hexanone	9.50	43	456954	119.09	ug/l	92
60) Dibromochloromethane	9.59	129	82518	22.14	ug/l	100
61) 1,2-Dibromoethane	9.68	107	88883	22.96	ug/l	100
64) Tetrachloroethene	9.34	164	101917	22.81	ug/l	97
65) Chlorobenzene	10.14	112	233061	22.00	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	81408	21.74	ug/l	99
67) Ethyl Benzene	10.26	91	387166	22.46	ug/l	98
68) m/p-Xylenes	10.36	106	303602	45.72	ug/l	97
69) o-Xylene	10.70	106	144362	22.26	ug/l	98
70) Styrene	10.71	104	245706	22.54	ug/l	98
71) Bromoform	10.86	173	61764	21.54	ug/l #	100
73) Isopropylbenzene	11.02	105	386737	22.90	ug/l	100
74) N-amyl acetate	6.47	43	179446	22.92	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	124538	22.59	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	124637m	25.83	ug/l	
77) Bromobenzene	11.26	156	107930	22.62	ug/l	99
78) n-propylbenzene	11.37	91	436160	22.85	ug/l	99
79) 2-Chlorotoluene	11.43	91	266216	22.58	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	323769	23.13	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	31453	21.73	ug/l	97
82) 4-Chlorotoluene	11.51	91	312046	22.72	ug/l	99
83) tert-Butylbenzene	11.77	119	307782	22.21	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	332779	23.44	ug/l	98
85) sec-Butylbenzene	11.95	105	376822	22.75	ug/l	99
86) p-Isopropyltoluene	12.07	119	332517	22.44	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	190570	21.39	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	192117	21.24	ug/l	99
89) n-Butylbenzene	12.39	91	278995	22.00	ug/l	99
90) Hexachloroethane	12.60	117	45293	20.39	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	194205	21.78	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	24396	22.31	ug/l	96

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ClientSampleId :
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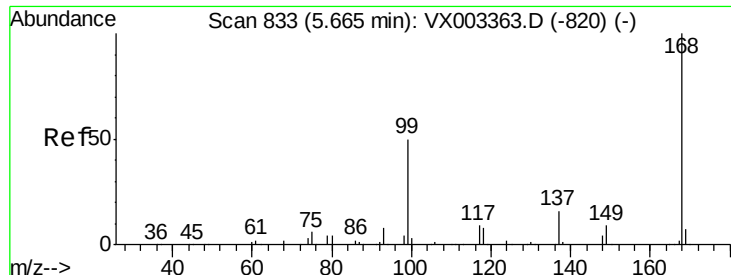
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071318W.M
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QLast Update : Fri Jul 13 17:01:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	130157	21.34	ug/l	100
94) Hexachlorobutadiene	13.79	225	59390	20.63	ug/l	100
95) Naphthalene	13.84	128	391043	22.87	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	135035	21.93	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

Instrument :

MSVOA_X

ClientSampleId :

VX0713WBSD01

Tot Ion:168 Resp: 298178

Ion Ratio Lower Upper

168 100

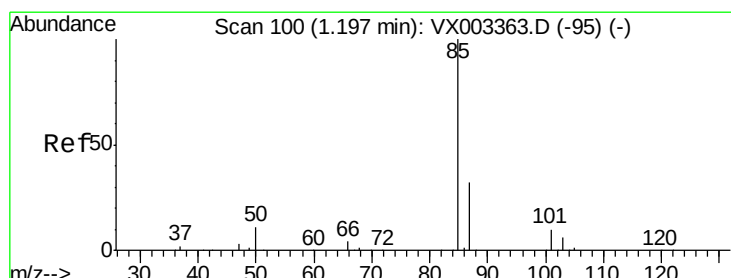
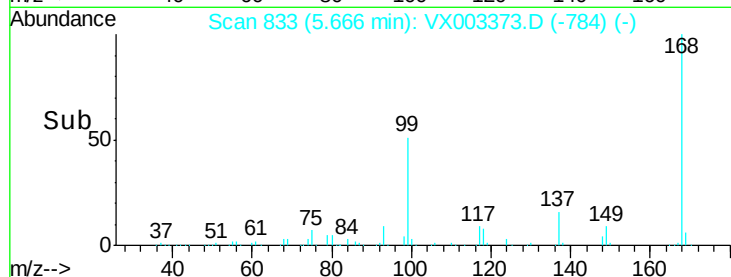
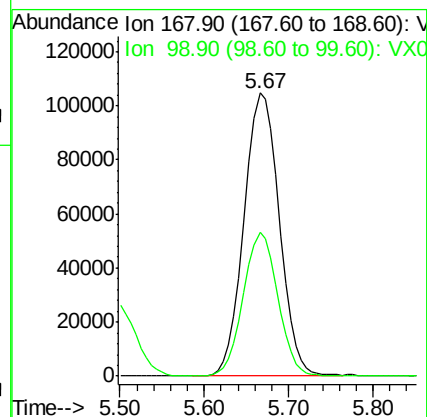
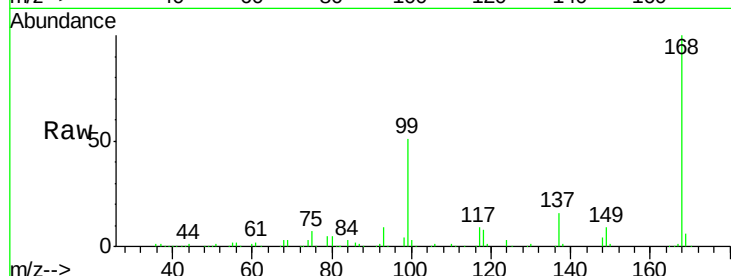
99 50.8 39.3 58.9

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#2

Dichlorodifluoromethane

Concen: 28.63 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003373.D

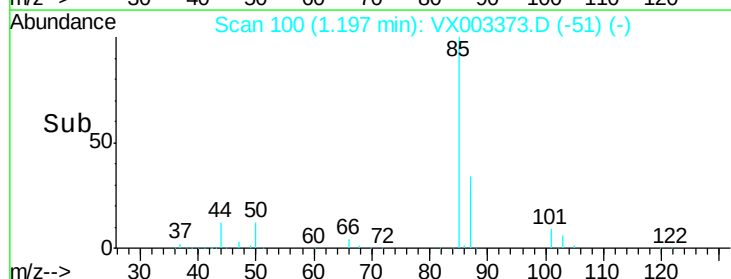
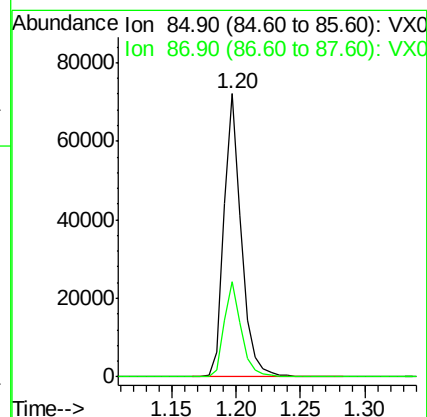
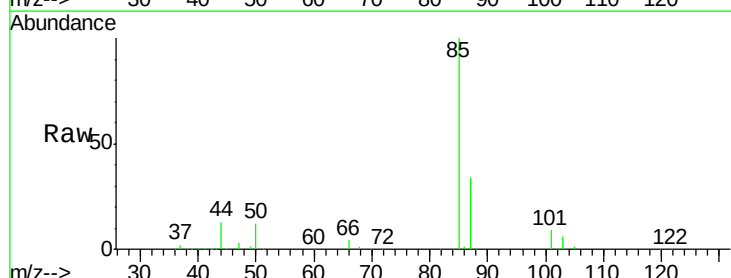
Acq: 13 Jul 2018 20:41

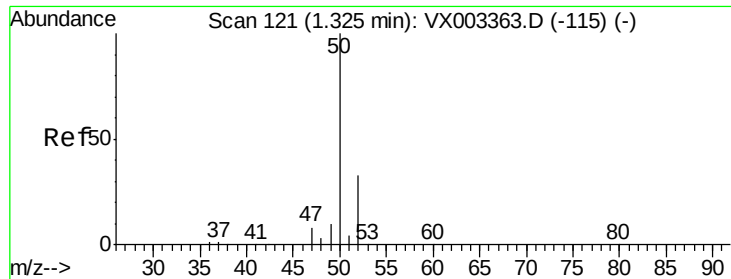
Tgt Ion: 85 Resp: 68979

Ion Ratio Lower Upper

85 100

87 33.5 16.0 47.9





#3

Chloromethane

Concen: 28.72 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

Instrument :

MSVOA_X

ClientSampleId :

VX0713WBSD01

Tot Ion: 50 Resp: 86564

Ion Ratio Lower Upper

50 100

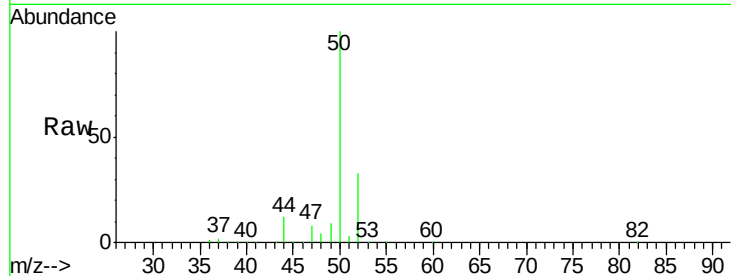
52 32.9 25.7 38.5

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

80000

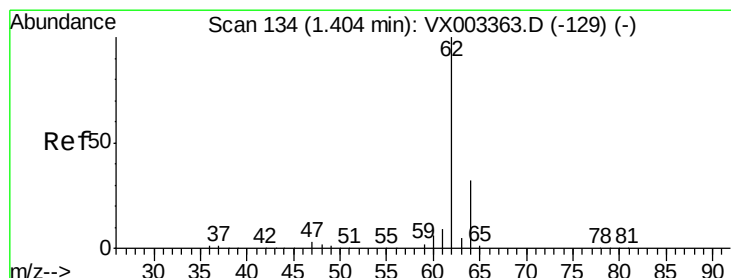
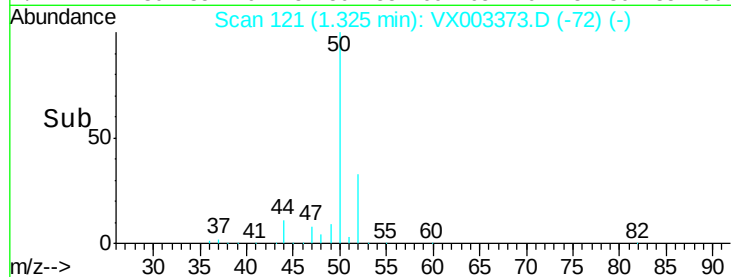
60000

40000

20000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 25.85 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003373.D

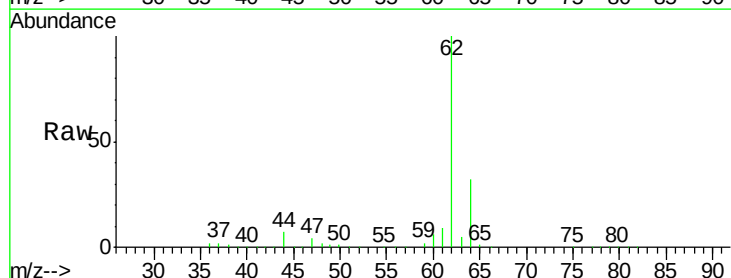
Acq: 13 Jul 2018 20:41

Tgt Ion: 62 Resp: 99540

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

100000

80000

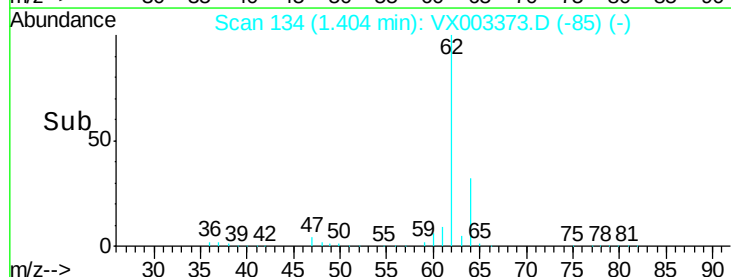
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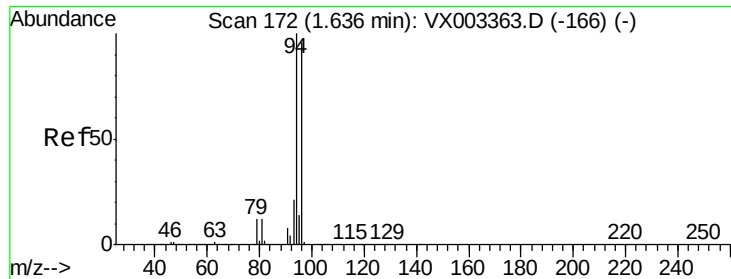
40000

20000

0

Time--> 1.30 1.40 1.50





#5

Bromomethane

Concen: 24.05 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

Instrument :

MSVOA_X

ClientSampleId :

VX0713WBSD01

Tot Ion: 94 Resp: 52390

Ion Ratio Lower Upper

94 100

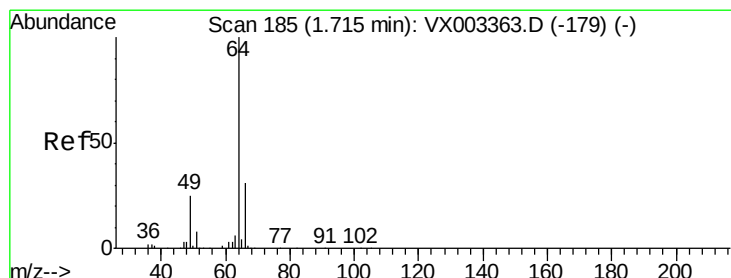
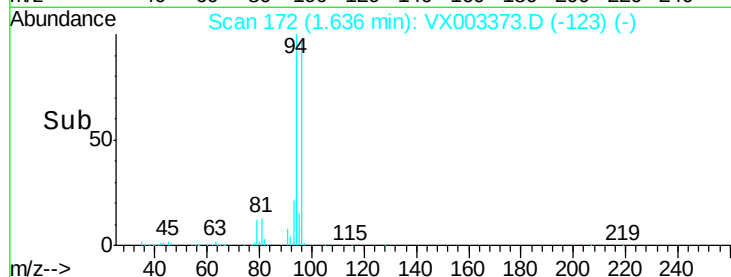
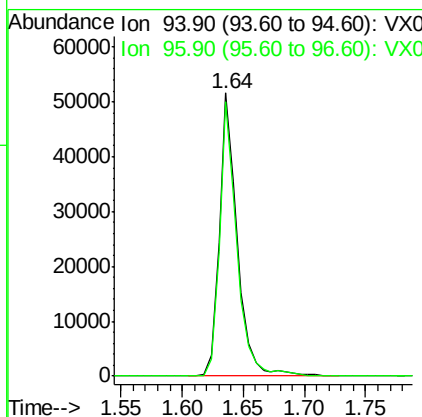
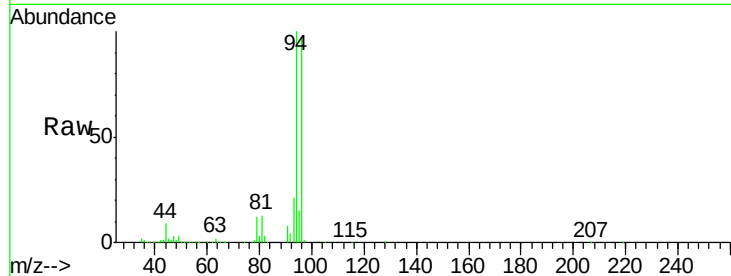
96 96.9 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 27.30 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003373.D

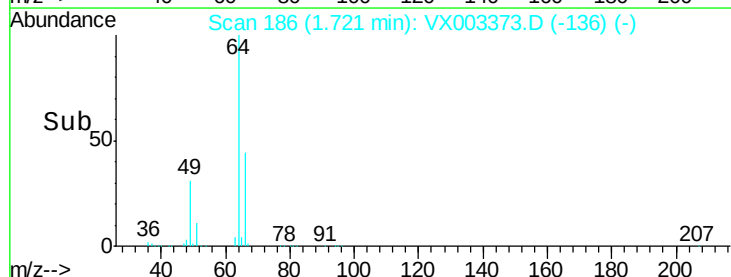
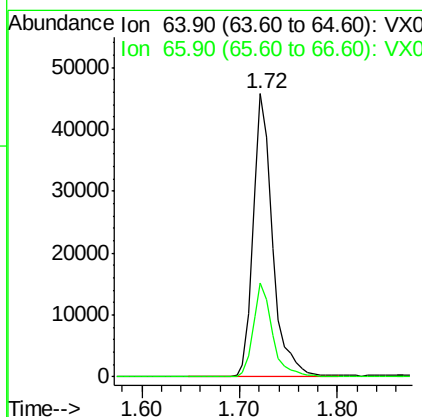
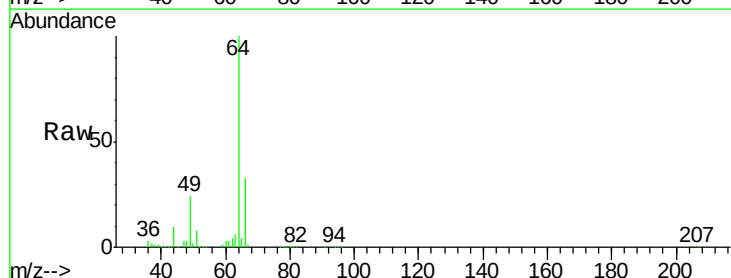
Acq: 13 Jul 2018 20:41

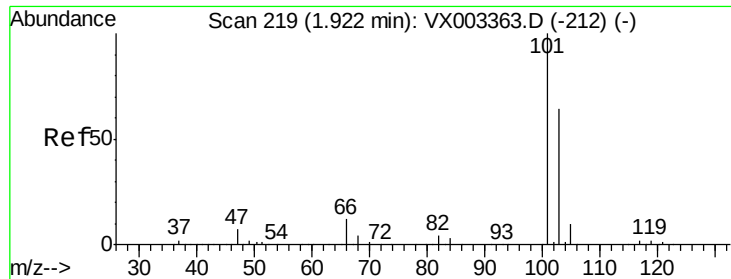
Tgt Ion: 64 Resp: 63226

Ion Ratio Lower Upper

64 100

66 32.8 25.5 38.3





#7

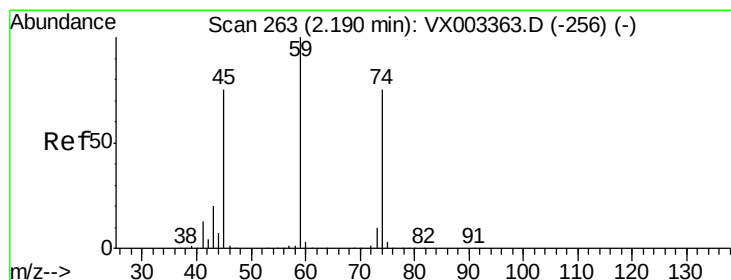
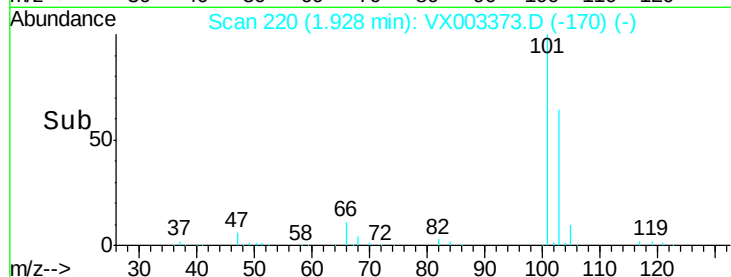
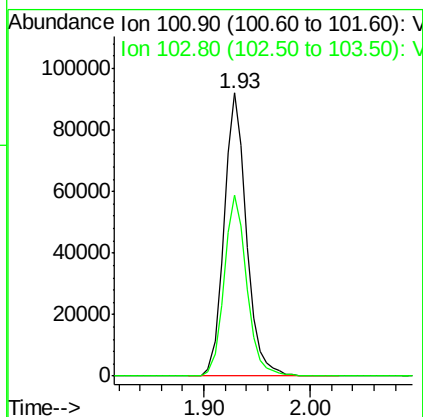
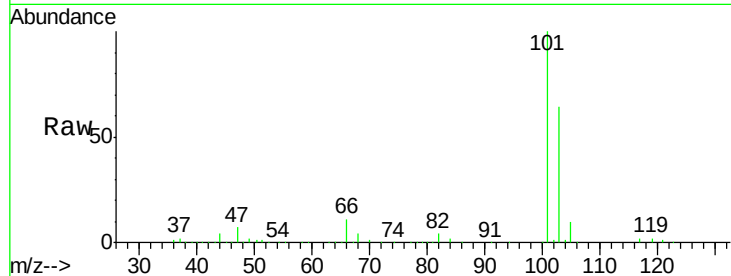
Trichlorofluoromethane
 Concen: 24.40 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX003373.D
 Acq: 13 Jul 2018 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0713WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.8	79.2

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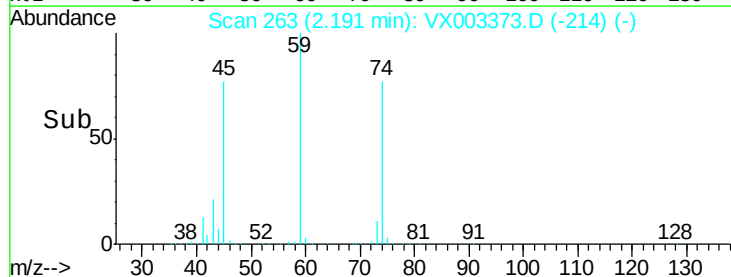
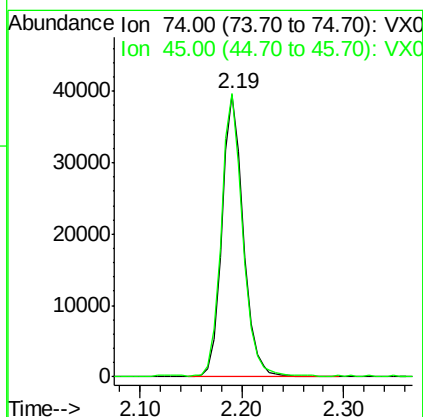
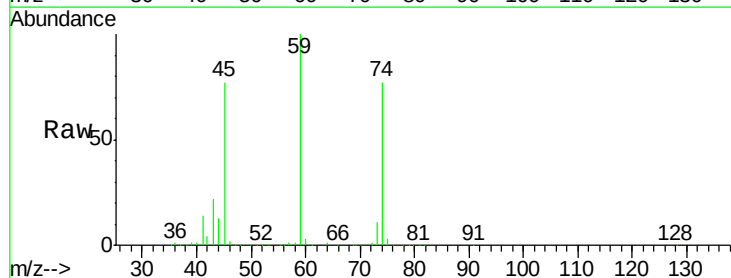
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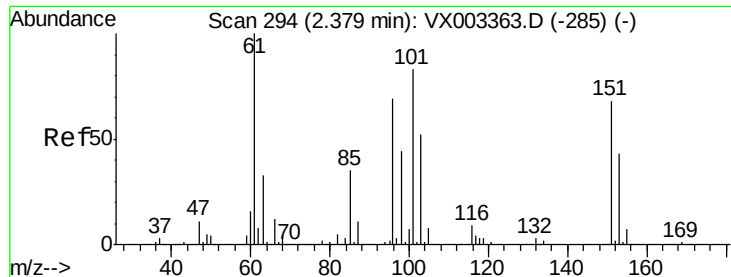


#8

Diethyl Ether
 Concen: 23.44 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003373.D
 Acq: 13 Jul 2018 20:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.9	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.93 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

Instrument :

MSVOA_X

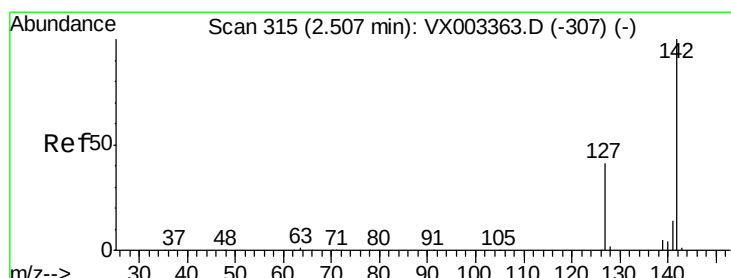
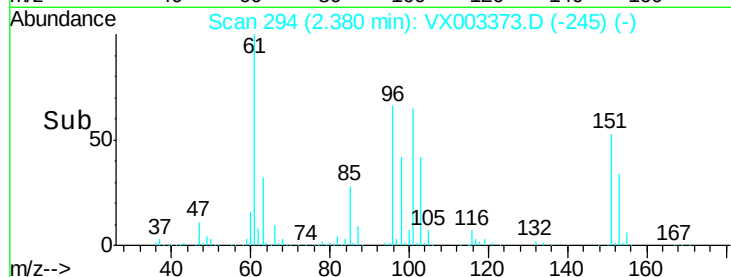
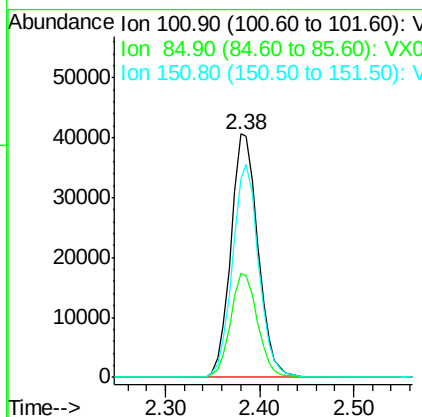
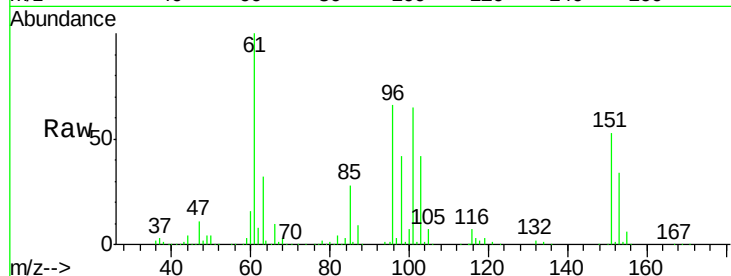
ClientSampleId :

VX0713WBSD01

Tot Ion:	101	Resp:	81737
Ion Ratio	Lower	Upper	
101	100		
85	42.1	36.0	54.0
151	84.4	70.9	106.3

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#10

Methyl Iodide

Concen: 25.26 ug/l

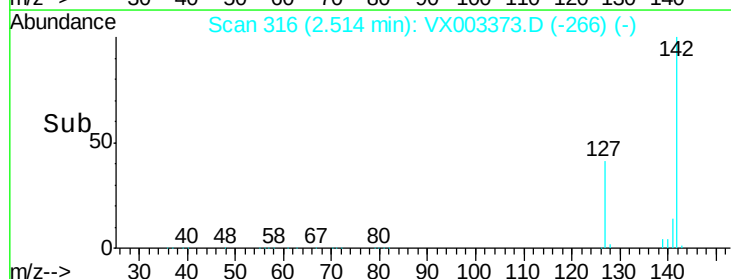
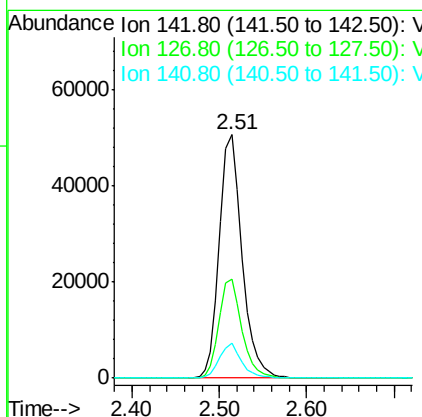
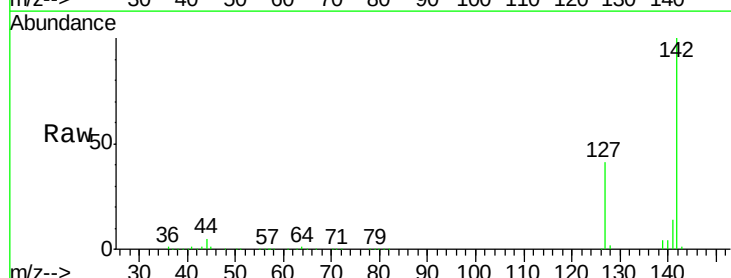
RT: 2.51 min Scan# 316

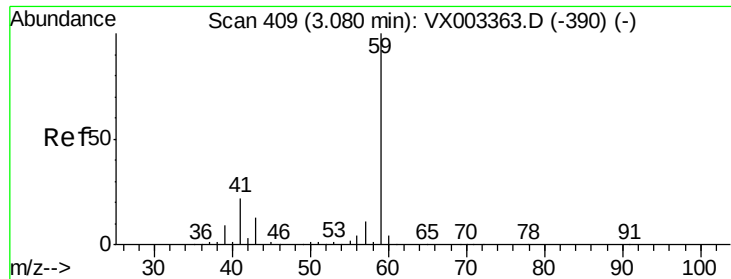
Delta R.T. 0.01 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

Tgt Ion:	142	Resp:	91458
Ion Ratio	Lower	Upper	
142	100		
127	41.1	36.6	55.0
141	13.8	11.3	16.9





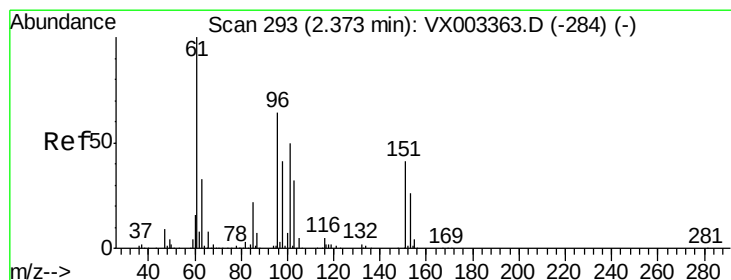
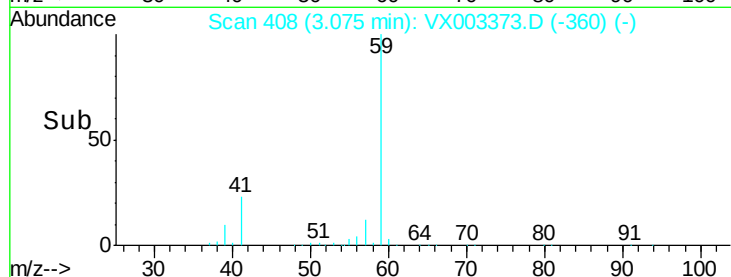
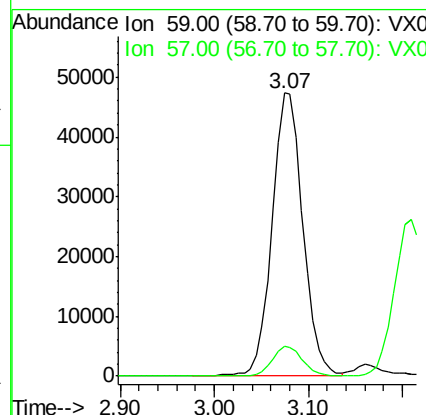
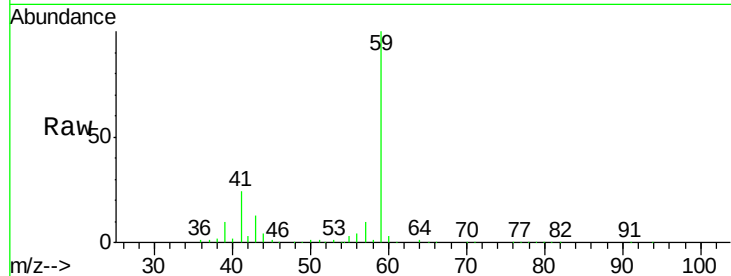
#11
Tert butyl alcohol
Concen: 124.99 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

Instrument :
MSVOA_X
ClientSampleId :
VX0713WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	108068		
57	10.4		8.2	12.2

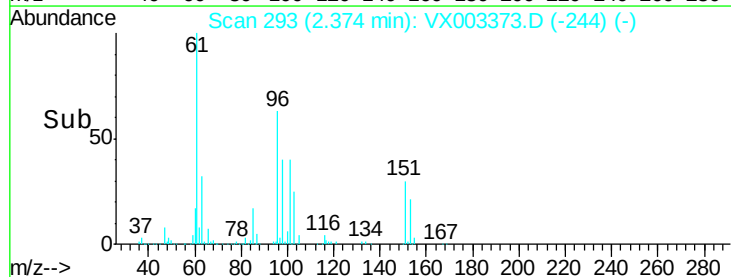
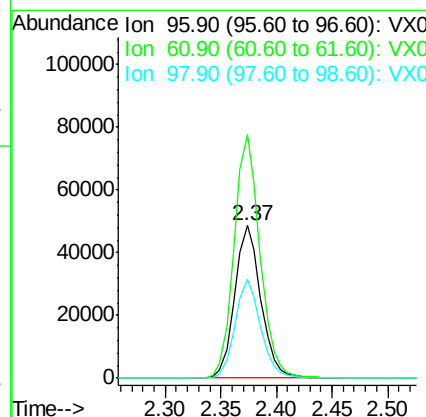
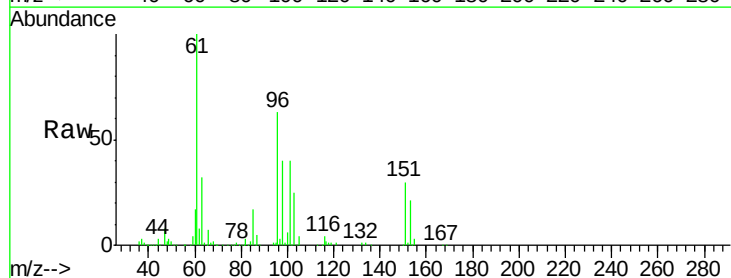
Manual Integrations
APPROVED

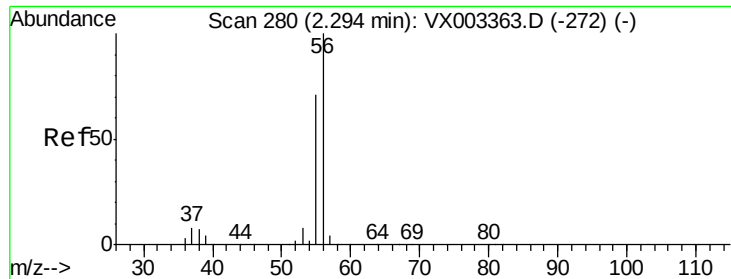
MMDadoda
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#12
1,1-Dichloroethene
Concen: 23.87 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	79032		
61	159.8		137.9	206.9
98	64.7		51.6	77.4





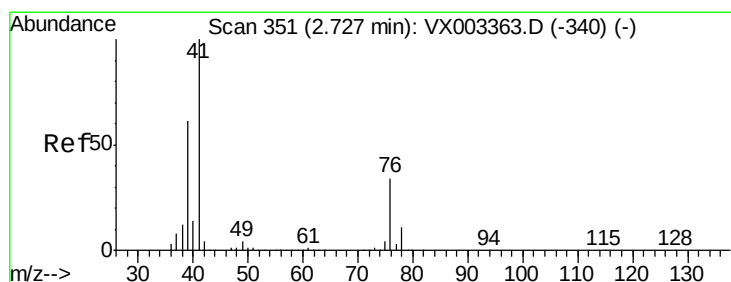
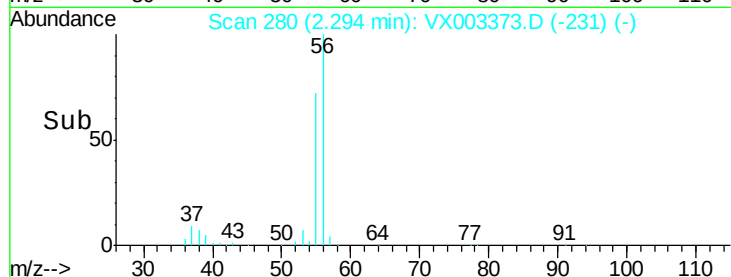
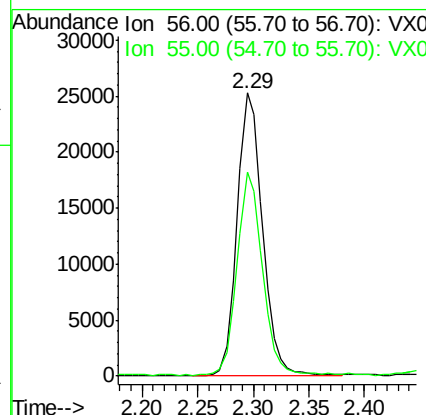
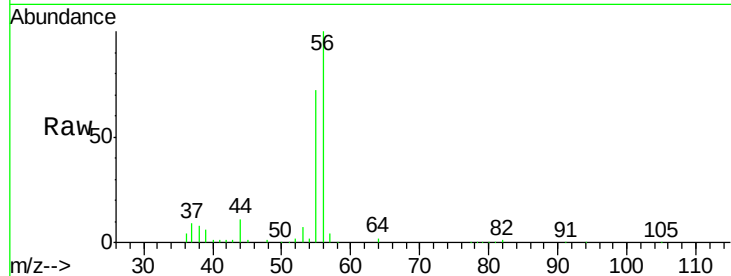
#13
Acrolein
Concen: 127.20 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

Instrument :
MSVOA_X
ClientSampleId :
VX0713WBSD01

Tot Ion	56	55	Ratio	Lower	Upper
40213	100	71.0		57.0	85.4

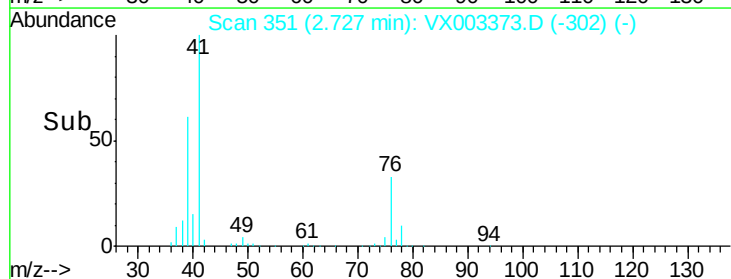
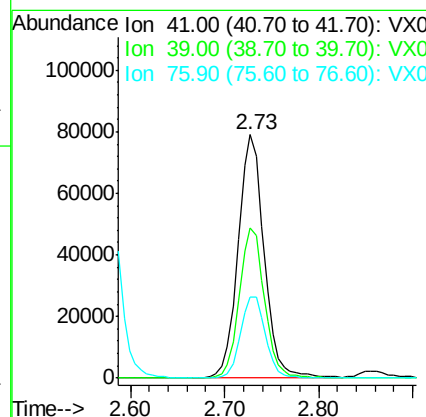
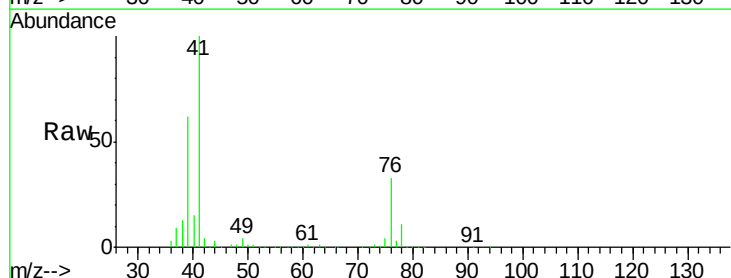
Manual Integrations
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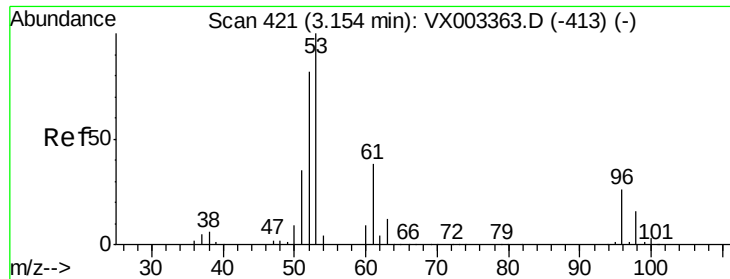
MMDadoda
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#14
Allyl chloride
Concen: 23.77 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

Tgt Ion	41	39	76	Ratio	Lower	Upper
150955	100	59.8	32.2		56.8	85.2
					23.8	35.8





#15

Acrylonitrile

Concen: 117.71 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

Instrument :

MSVOA_X

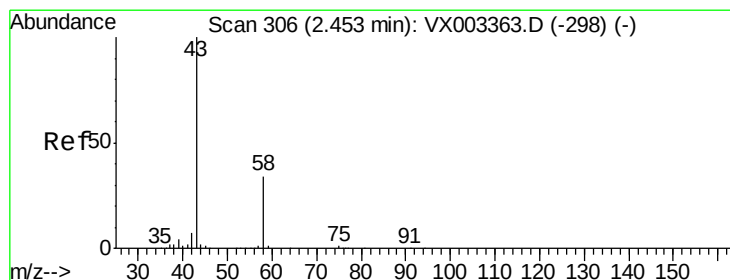
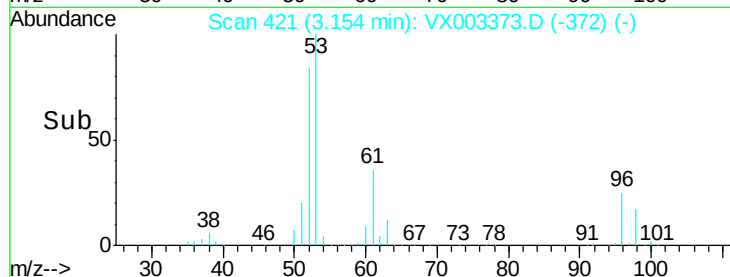
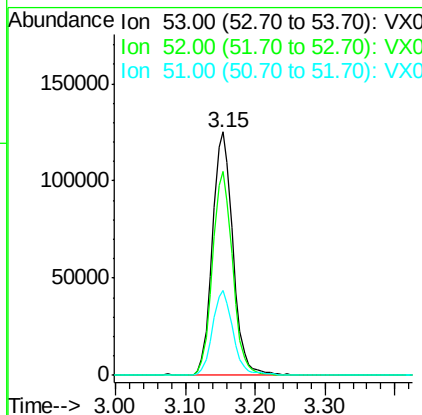
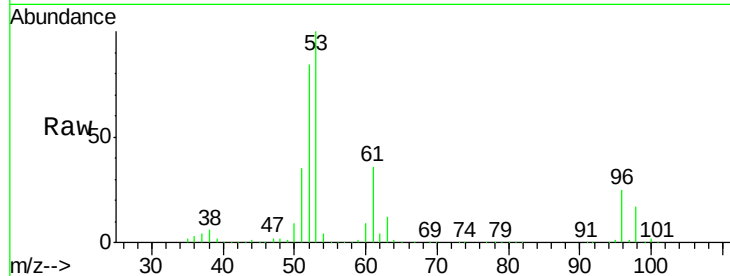
ClientSampleId :

VX0713WBSD01

Tot Ion:	53	Resp:	254094
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.7	100.1
51	35.2	29.9	44.9

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#16

Acetone

Concen: 121.51 ug/l

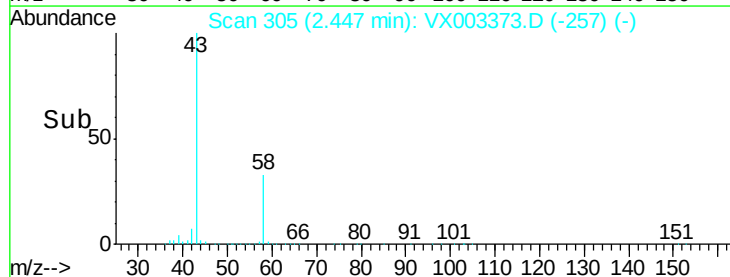
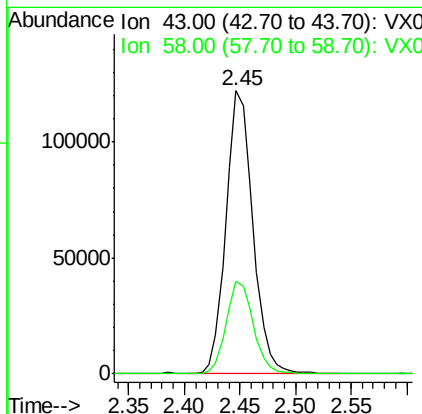
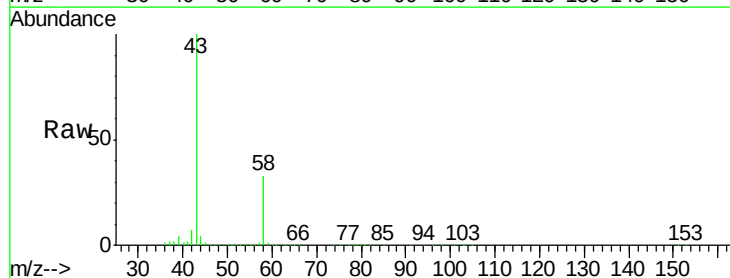
RT: 2.45 min Scan# 305

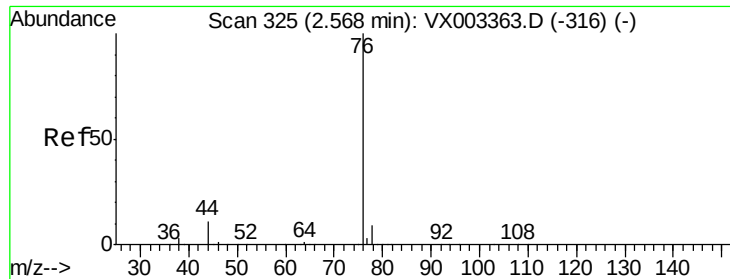
Delta R.T. -0.01 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

Tgt Ion:	43	Resp:	203381
Ion	Ratio	Lower	Upper
43	100		
58	32.6	22.1	33.1





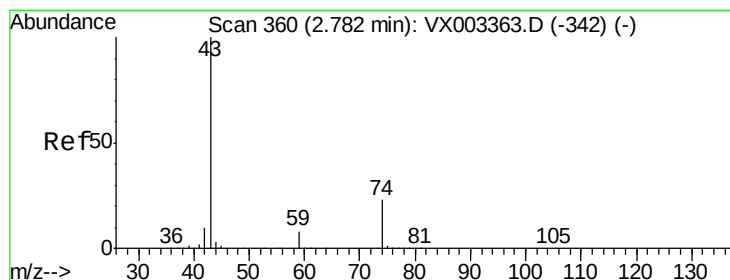
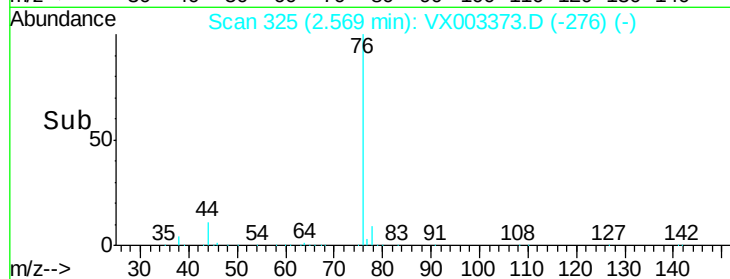
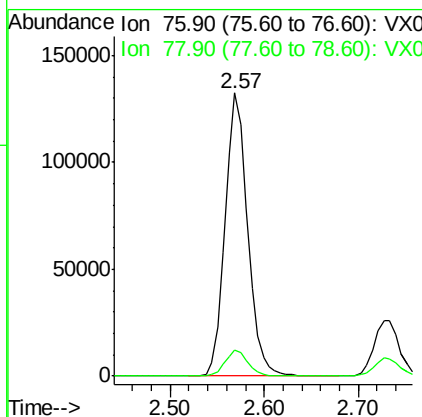
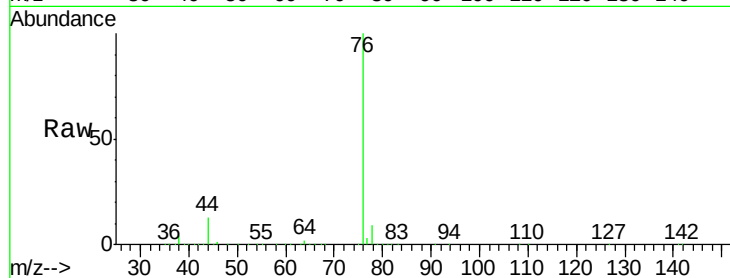
#17
Carbon Disulfide
Concen: 27.13 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

Instrument :
MSVOA_X
ClientSampleId :
VX0713WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.9	10.3

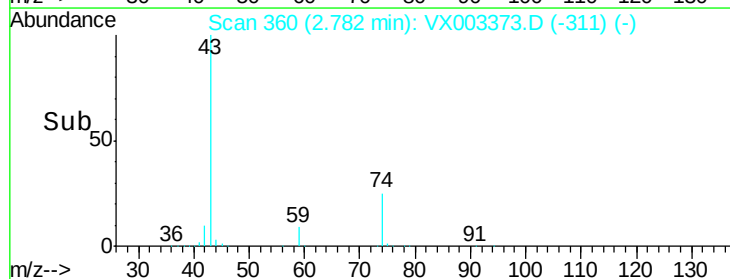
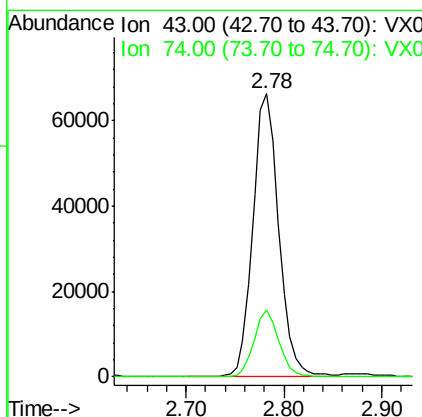
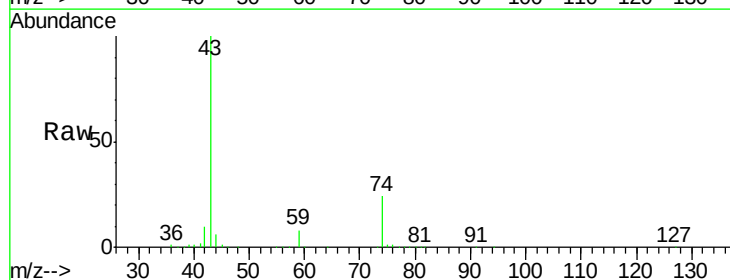
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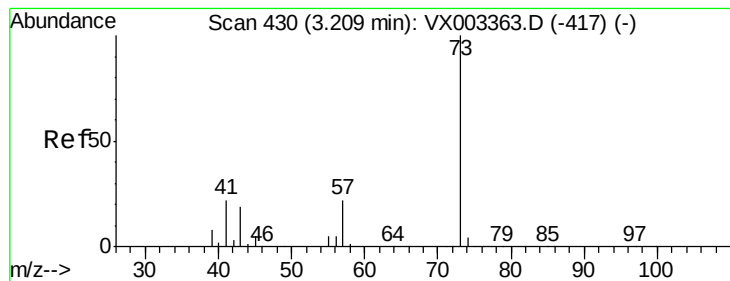
MMDadoda
7/16/2018 11:24:46 AM



#18
Methyl Acetate
Concen: 23.44 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	16.7	25.1





#19

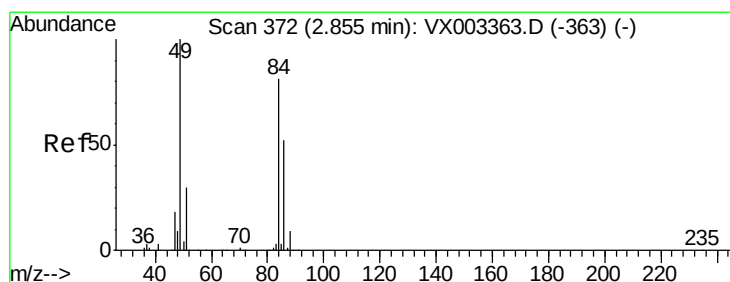
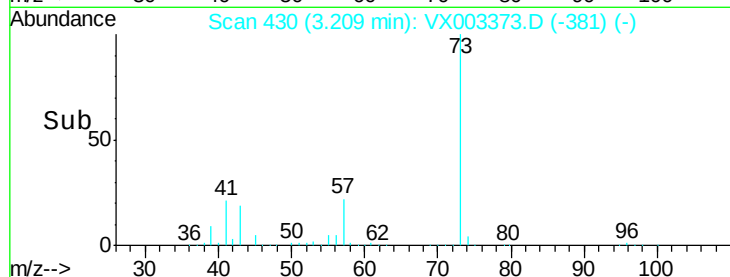
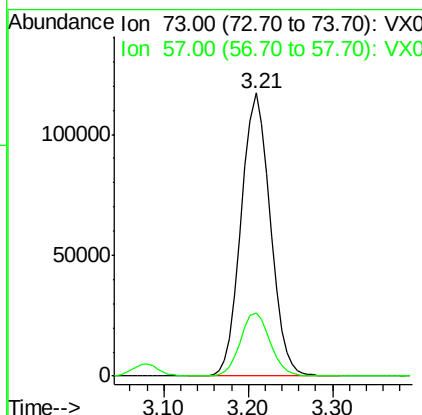
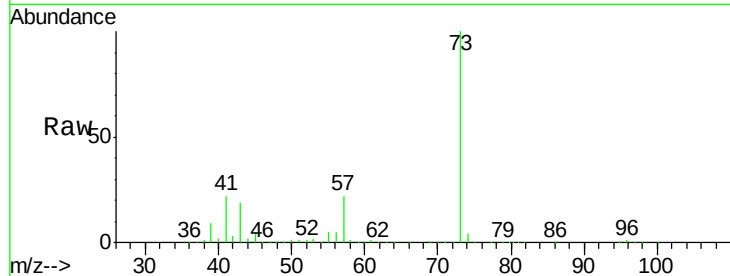
Methyl tert-butyl Ether
 Concen: 23.13 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX003373.D
 Acq: 13 Jul 2018 20:41

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0713WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.7	26.5

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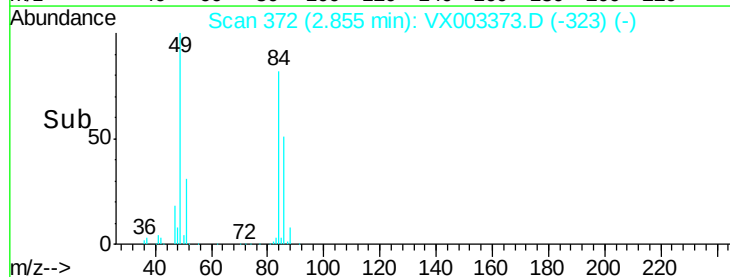
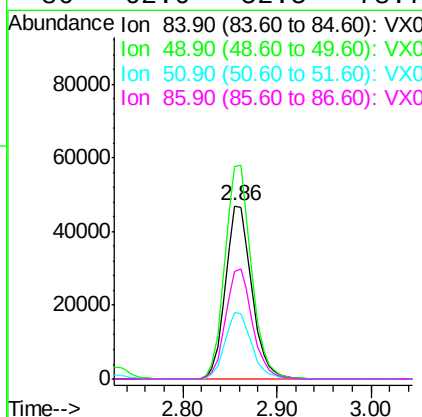
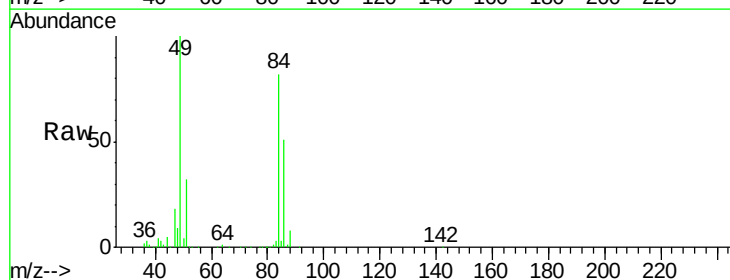
MMDadoda
 7/16/2018 11:24:46 AM

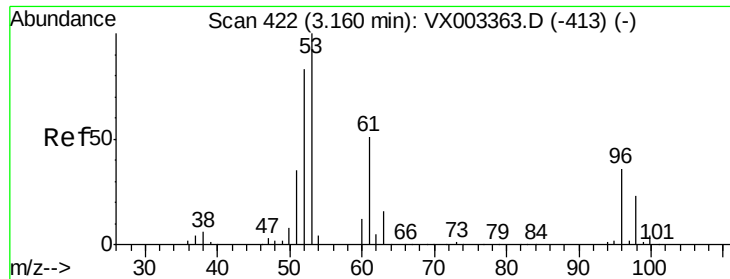


#20

Methylene Chloride
 Concen: 24.96 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX003373.D
 Acq: 13 Jul 2018 20:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.7	107.8	161.6
51	38.5	32.8	49.2
86	62.0	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 24.42 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

Instrument :

MSVOA_X

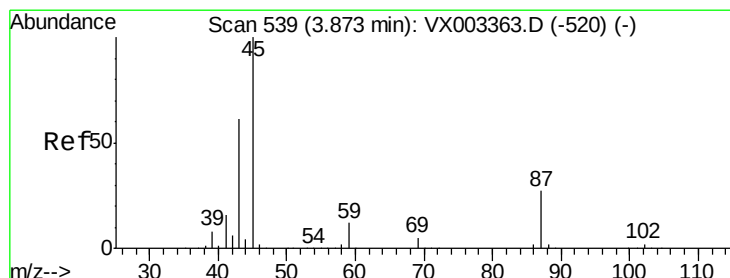
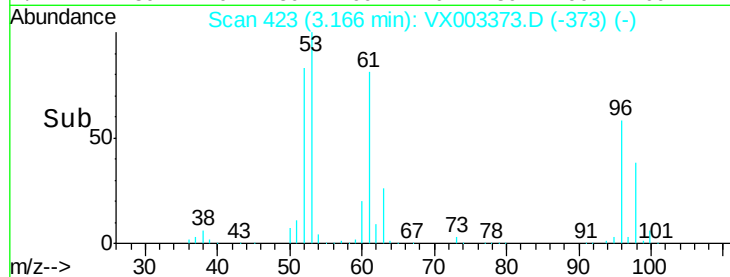
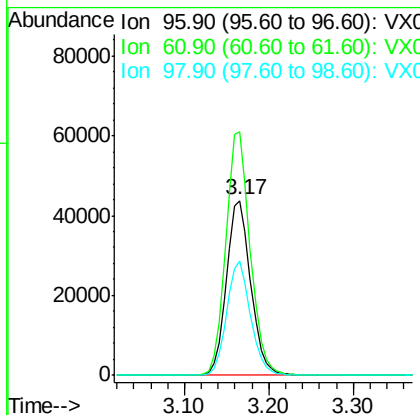
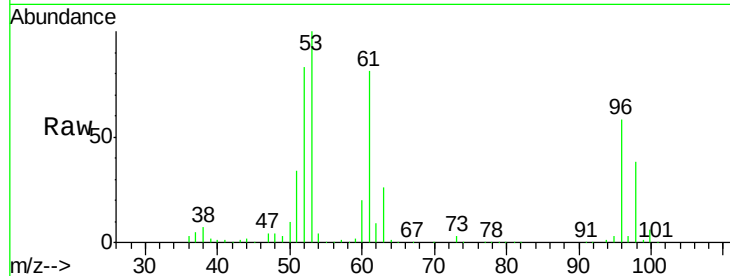
ClientSampleId :

VX0713WBSD01

Tot Ion:	96	Resp:	86259
Ion	Ratio	Lower	Upper
96	100		
61	139.3	117.0	175.4
98	65.5	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.07 ug/l

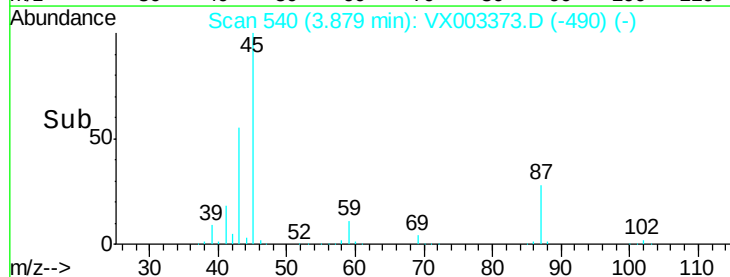
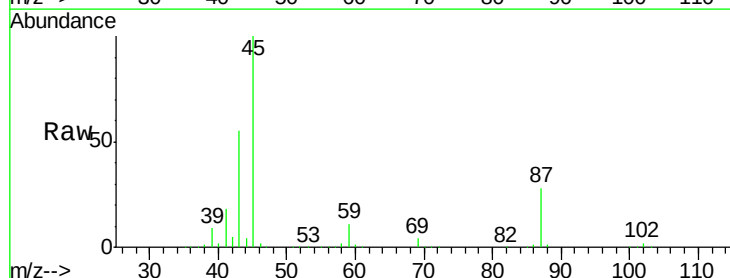
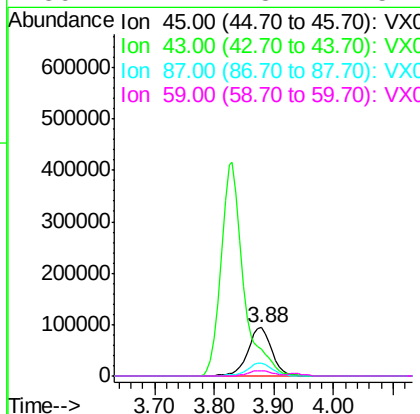
RT: 3.88 min Scan# 540

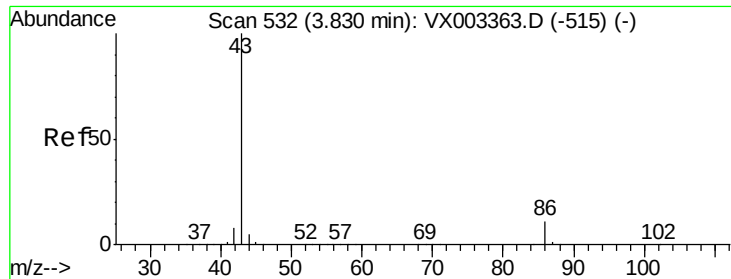
Delta R.T. 0.01 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

Tgt Ion:	45	Resp:	260895
Ion	Ratio	Lower	Upper
45	100		
43	55.2	46.8	70.2
87	27.6	20.2	30.4
59	11.1	8.7	13.1





#23

Vinyl Acetate

Concen: 112.72 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

Instrument :

MSVOA_X

ClientSampleId :

VX0713WBSD01

Tot Ion: 43 Resp: 1088639

Ion Ratio Lower Upper

43 100

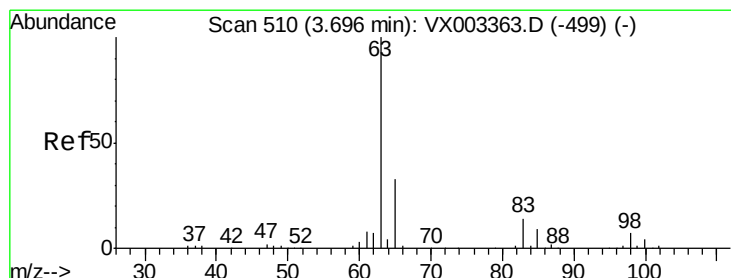
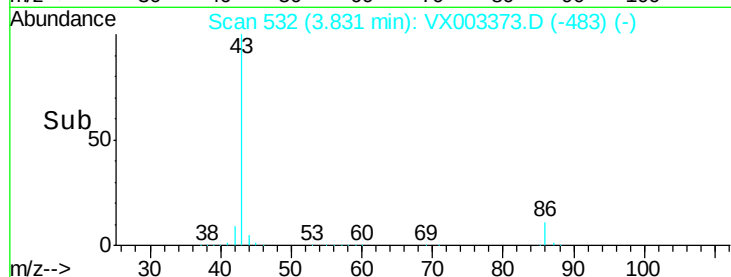
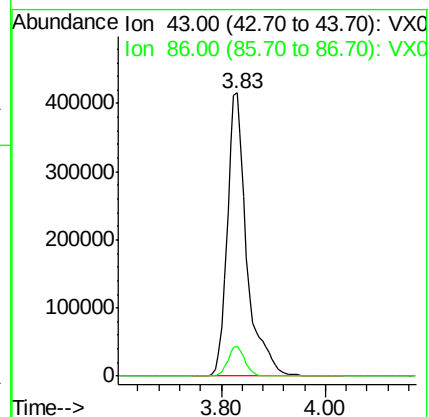
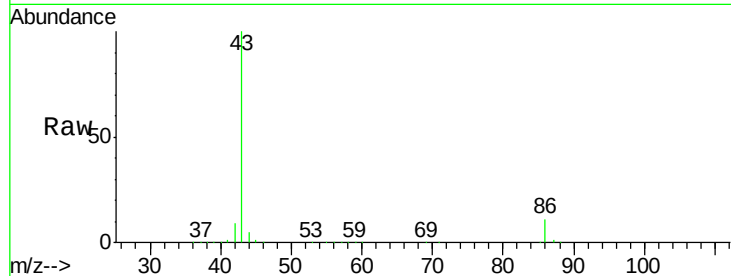
86 10.7 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 23.52 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

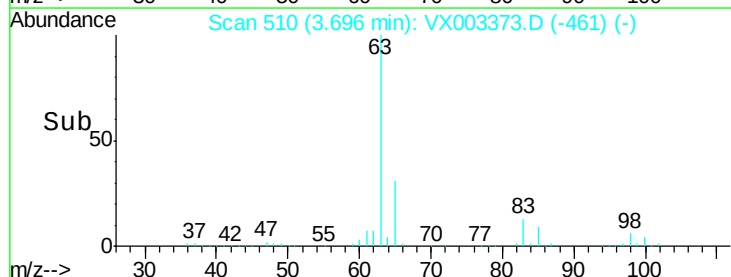
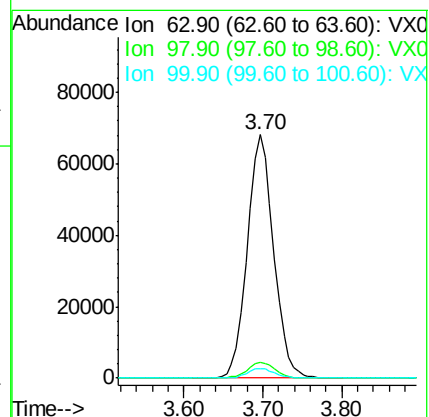
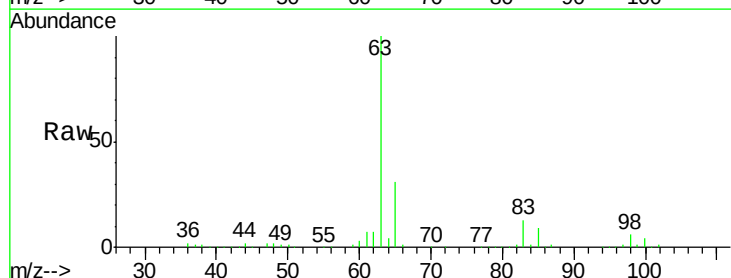
Tgt Ion: 63 Resp: 157607

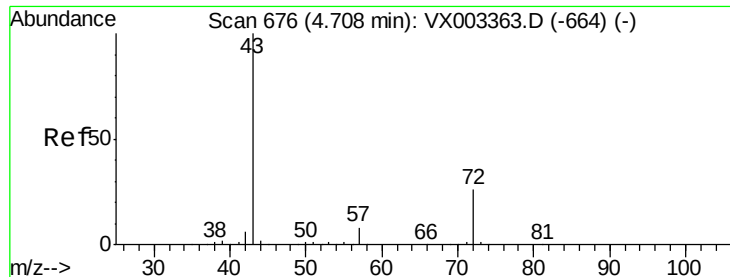
Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.2

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 115.74 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

Instrument :

MSVOA_X

ClientSampleId :

VX0713WBSD01

Tot Ion: 43 Resp: 300265

Ion Ratio Lower Upper

43 100

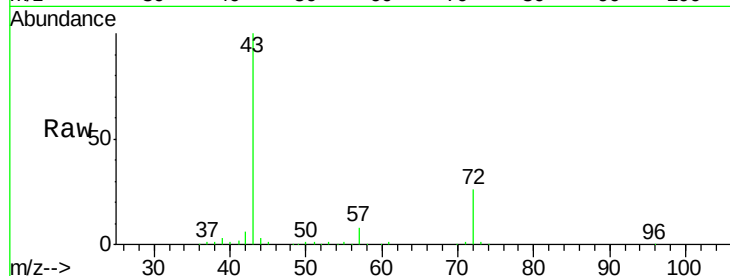
72 26.0 18.5 27.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

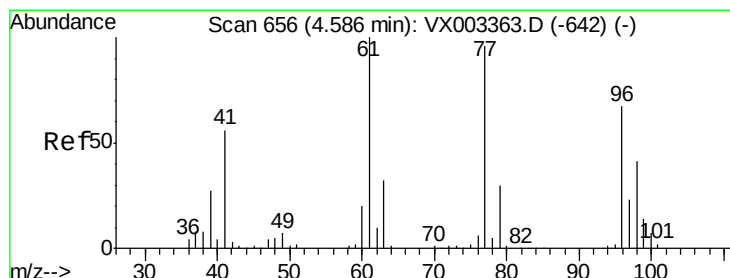
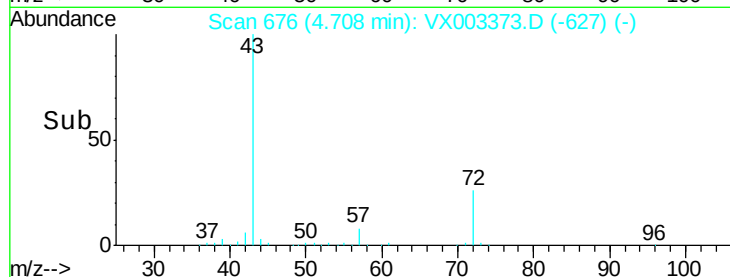
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 20.86 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003373.D

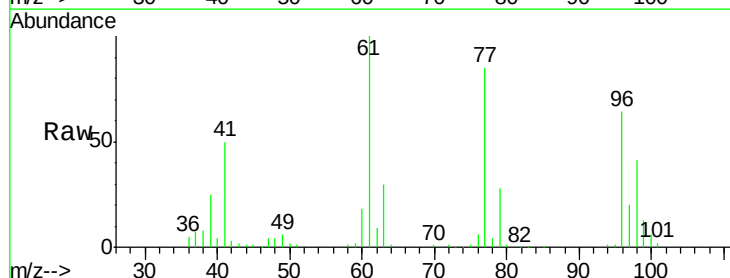
Acq: 13 Jul 2018 20:41

Tgt Ion: 77 Resp: 98936

Ion Ratio Lower Upper

77 100

97 24.1 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

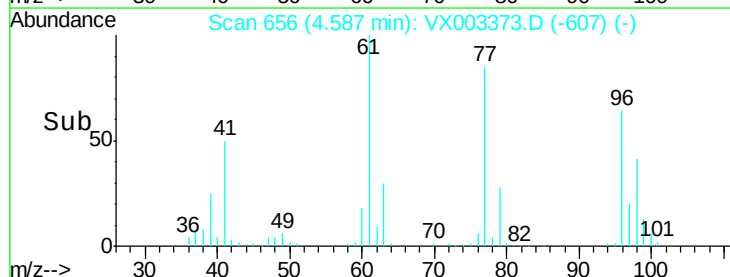
20000

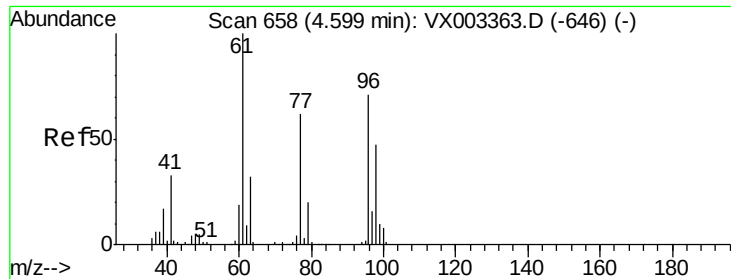
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

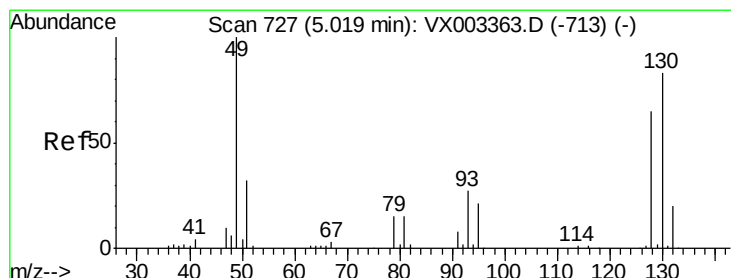
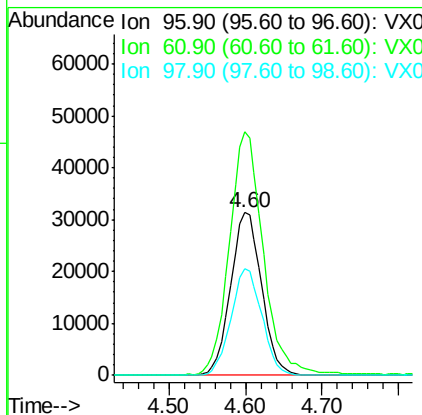
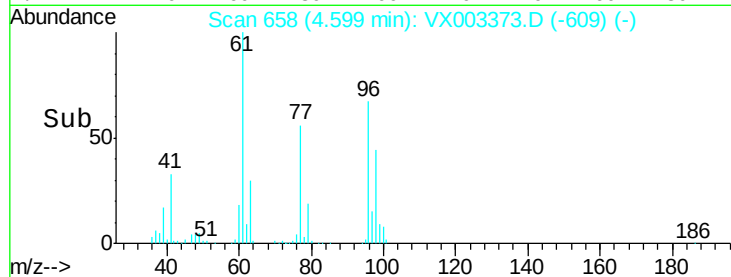
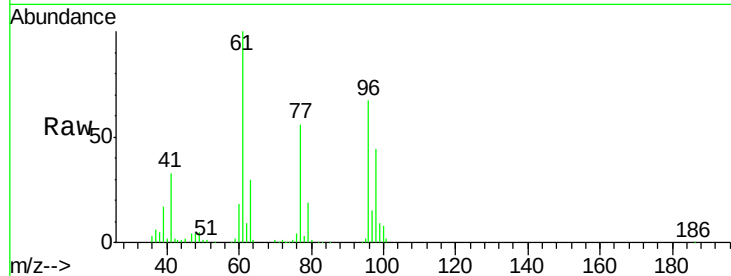
cis-1,2-Dichloroethene
 Concen: 22.58 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VX003373.D
 Acq: 13 Jul 2018 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0713WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.1	0.0	330.2
98	65.4	0.0	130.2

Manual Integrations
 APPROVED

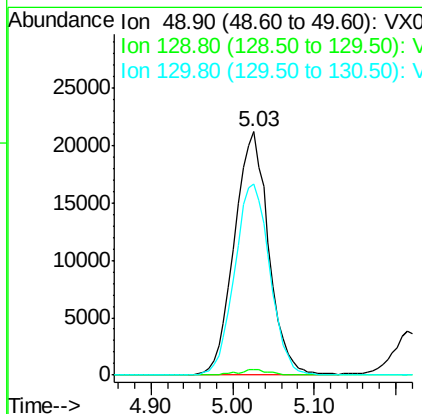
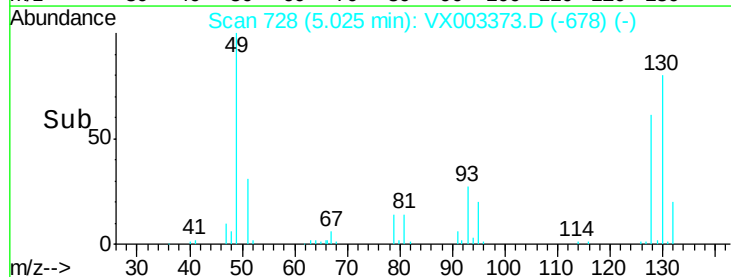
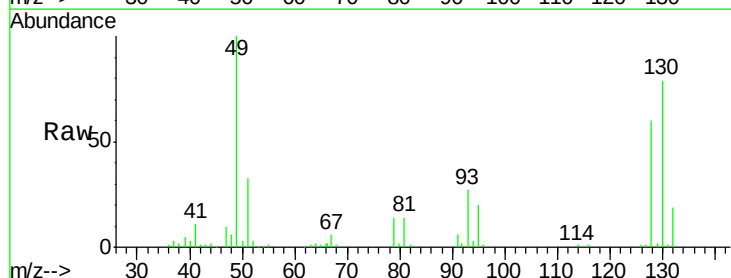
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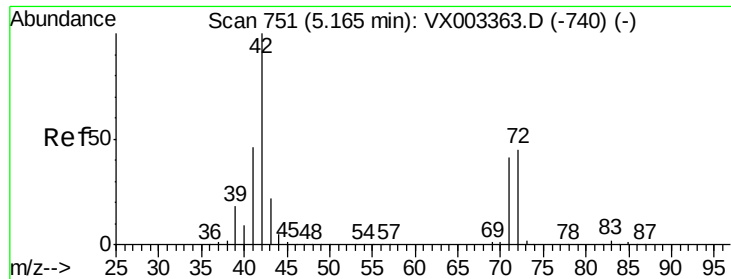


#28

Bromochloromethane
 Concen: 20.24 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. 0.01 min
 Lab File: VX003373.D
 Acq: 13 Jul 2018 20:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	80.9	61.2	91.8





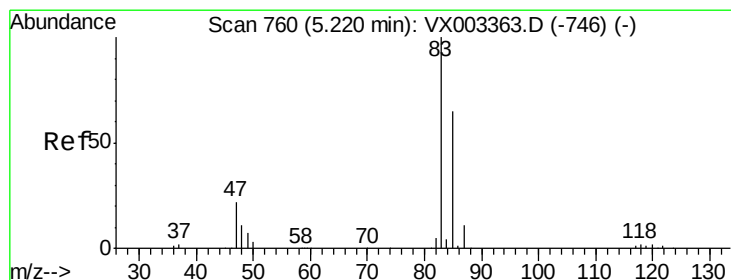
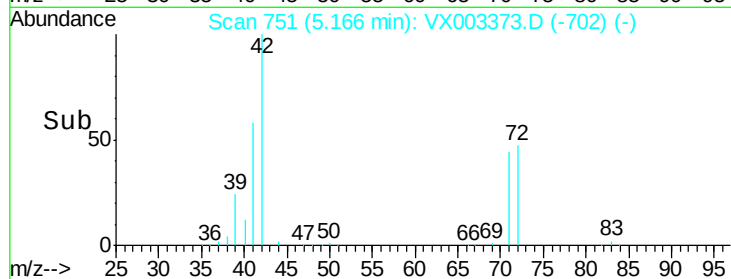
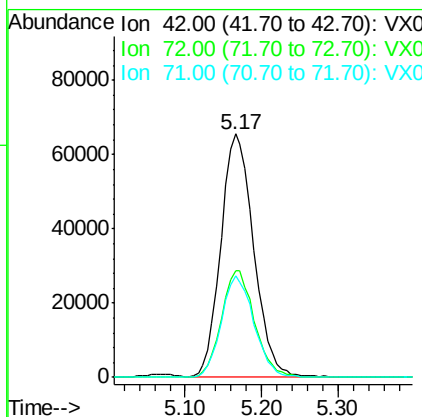
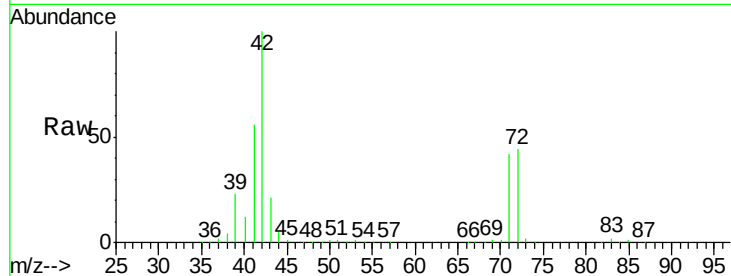
#29
Tetrahydrofuran
Concen: 117.18 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

Instrument :
MSVOA_X
ClientSampleId :
VX0713WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	32.0	48.0
71	41.5	30.1	45.1

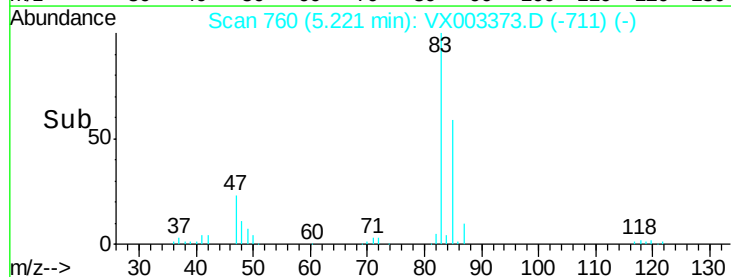
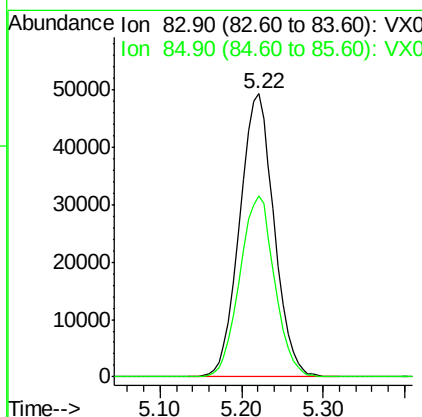
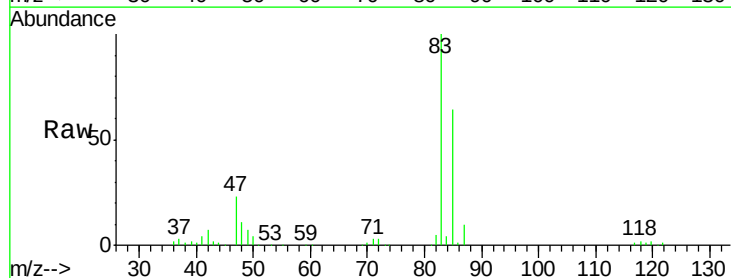
Manual Integrations
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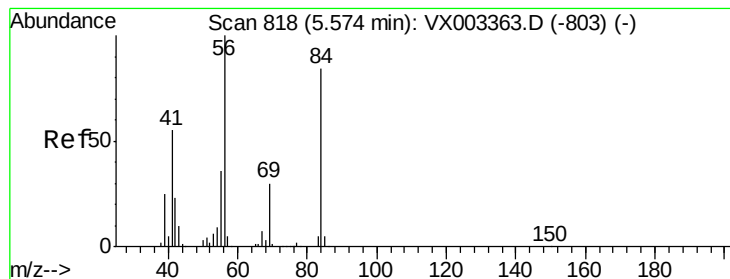
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#30
Chloroform
Concen: 22.54 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.4	75.6





#31

Cyclohexane

Concen: 23.91 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

Instrument :

MSVOA_X

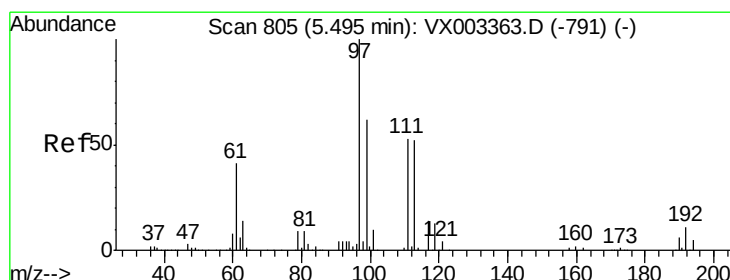
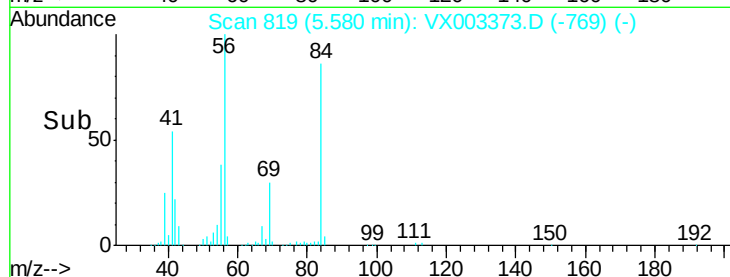
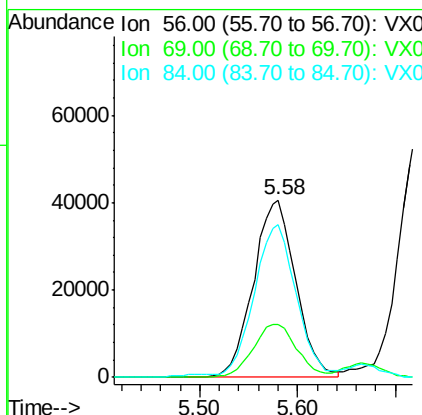
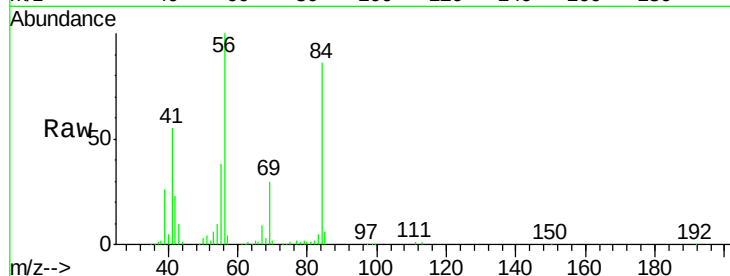
ClientSampleId :

VX0713WBSD01

Tot Ion:	56	Resp:	122632
Ion Ratio		Lower	Upper
56	100		
69	29.7	23.7	35.5
84	84.6	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.76 ug/l

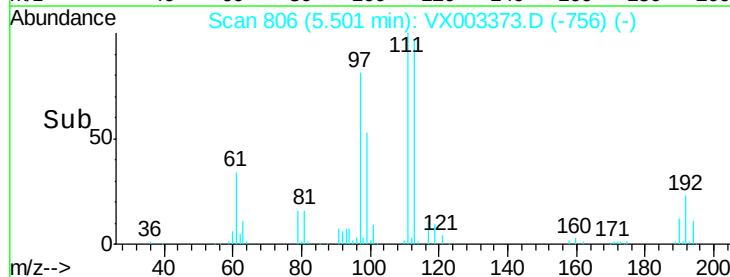
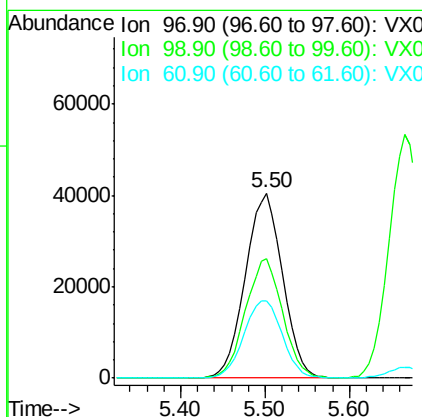
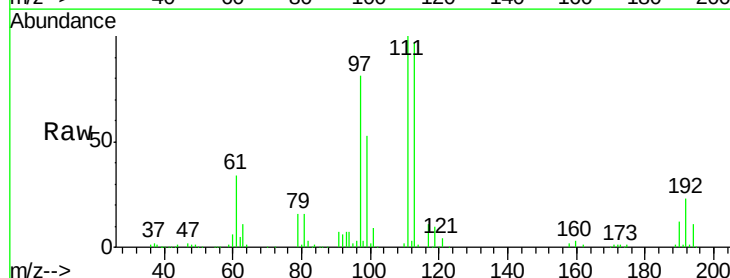
RT: 5.50 min Scan# 806

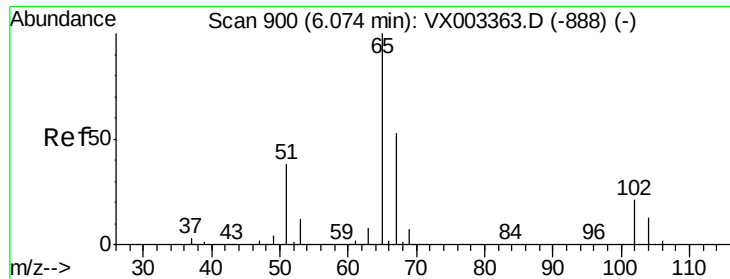
Delta R.T. 0.01 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

Tgt Ion:	97	Resp:	121783
Ion Ratio		Lower	Upper
97	100		
99	64.5	51.6	77.4
61	43.3	36.4	54.6





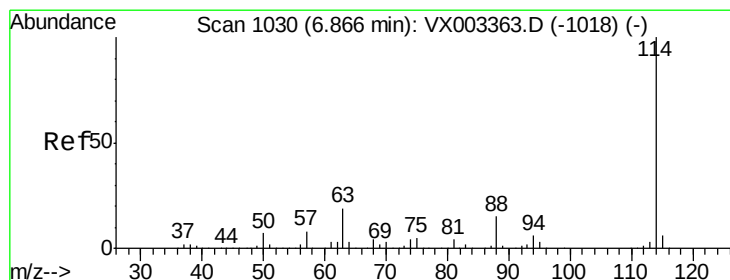
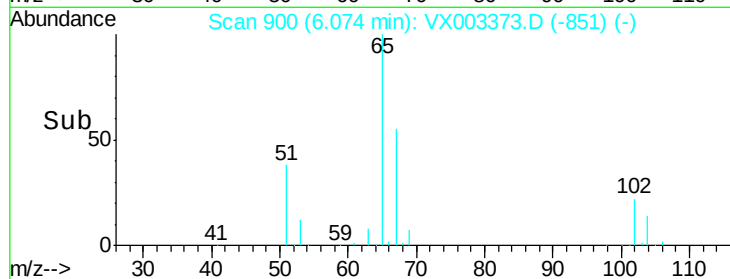
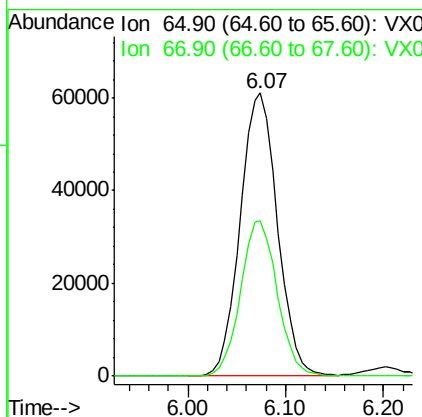
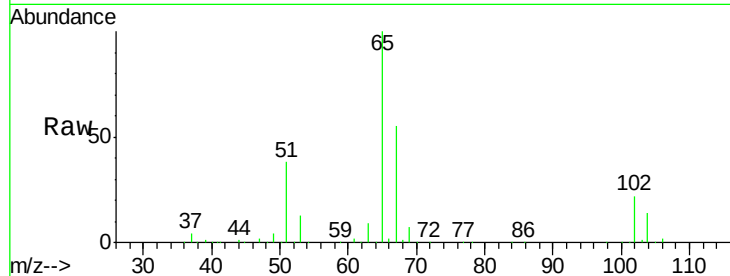
#33
 1,2-Dichloroethane-d4
 Concen: 49.29 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003373.D
 Acq: 13 Jul 2018 20:41

Instrument :
 MSVOA_X
 ClientSampled :
 VX0713WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	102.6

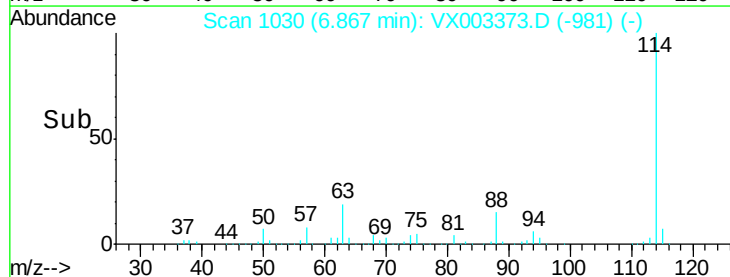
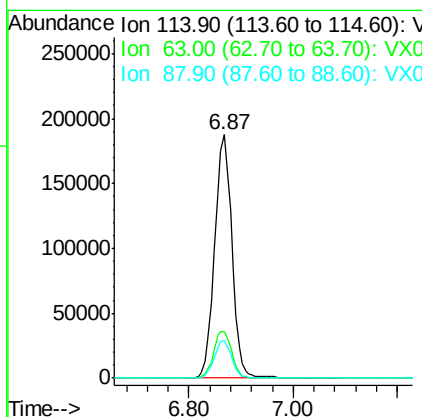
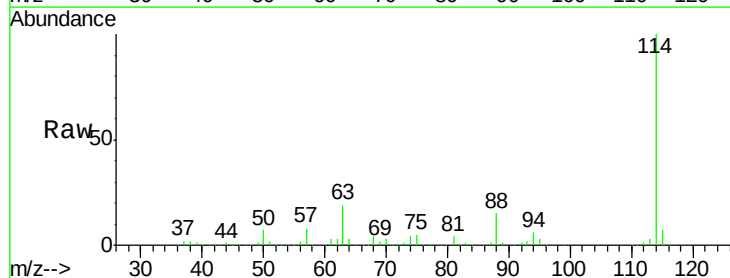
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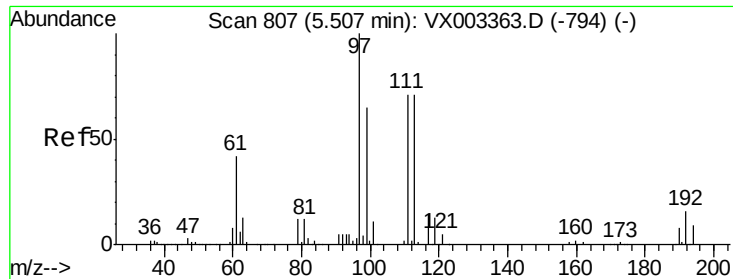
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003373.D
 Acq: 13 Jul 2018 20:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	41.4
88	15.2	0.0	30.0





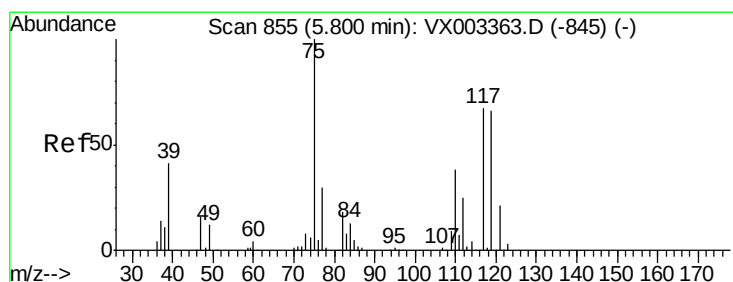
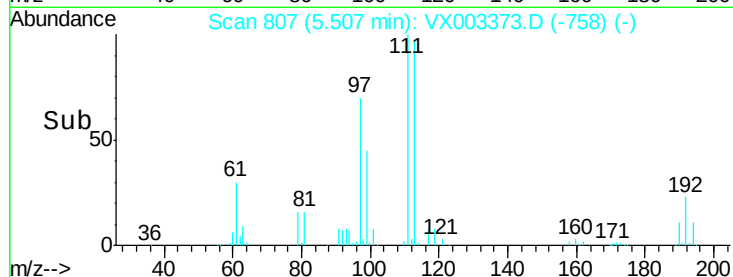
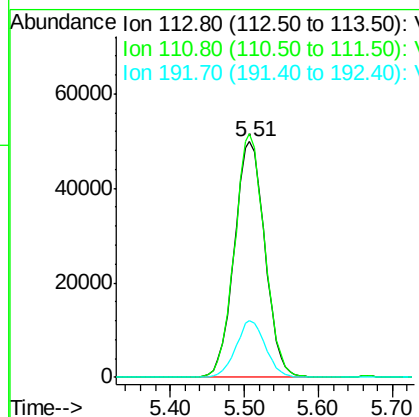
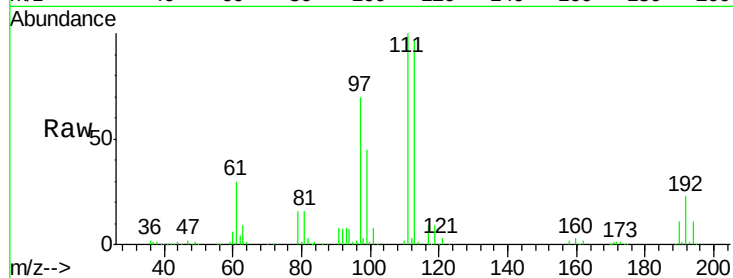
#35
 Dibromofluoromethane
 Concen: 44.78 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003373.D
 Acq: 13 Jul 2018 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0713WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	143772		
111	101.3	81.4	122.0	
192	23.2	19.1	28.7	

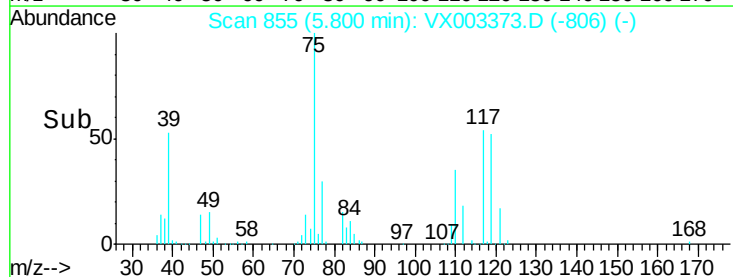
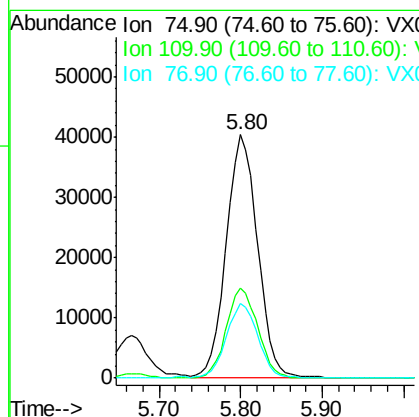
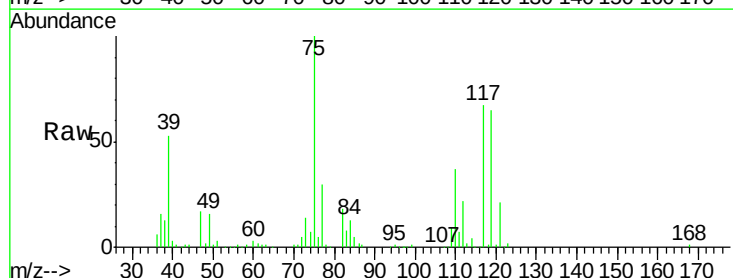
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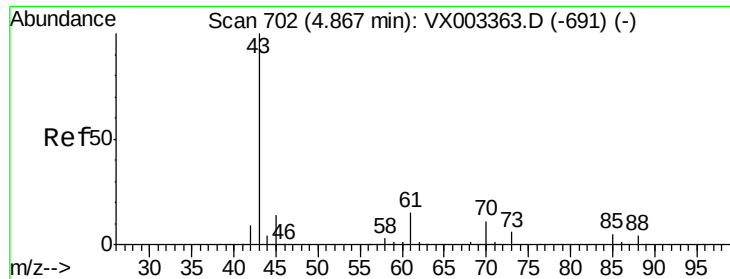
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#36
 1,1-Dichloropropene
 Concen: 22.91 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003373.D
 Acq: 13 Jul 2018 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	106182		
110	37.7	18.1	54.4	
77	31.3	24.3	36.5	





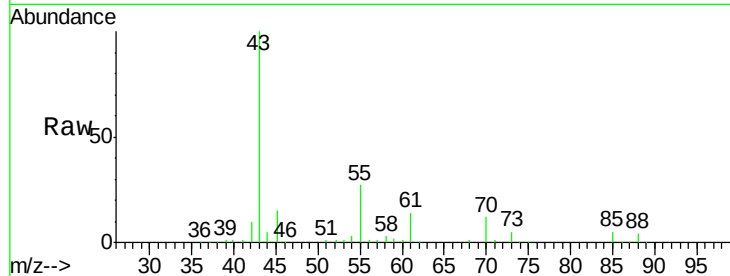
#37
Ethyl Acetate
Concen: 22.65 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

Instrument :
MSVOA_X
ClientSampleId :
VX0713WBSD01

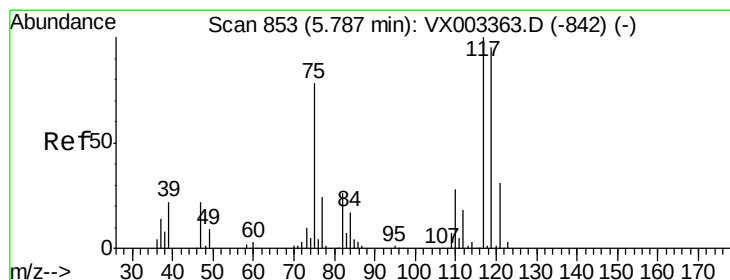
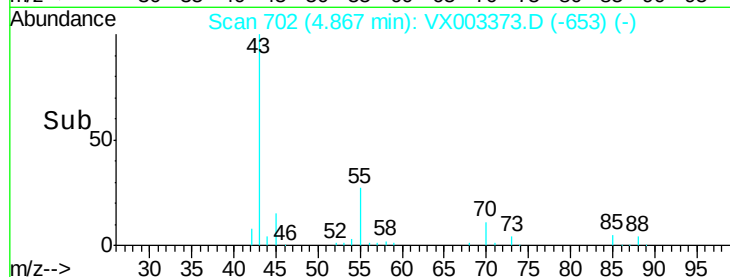
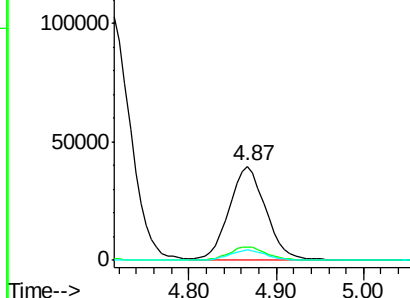
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	10.4	15.6
70	10.8	7.6	11.4

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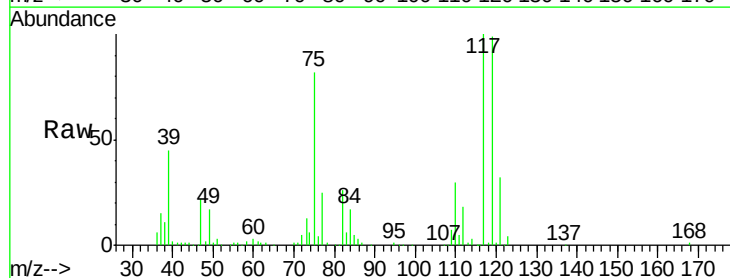


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

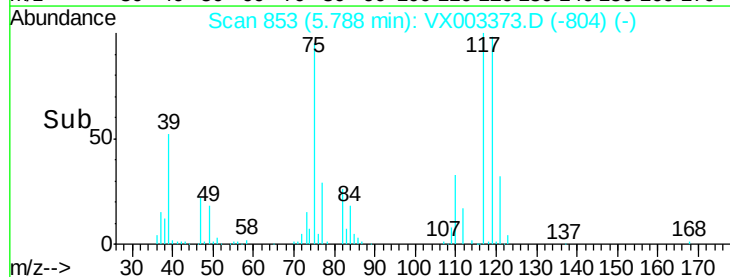
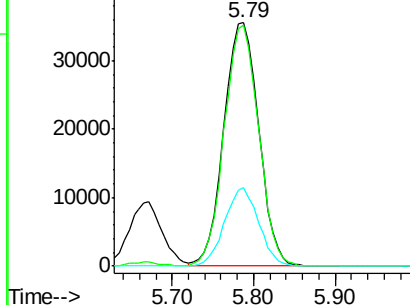


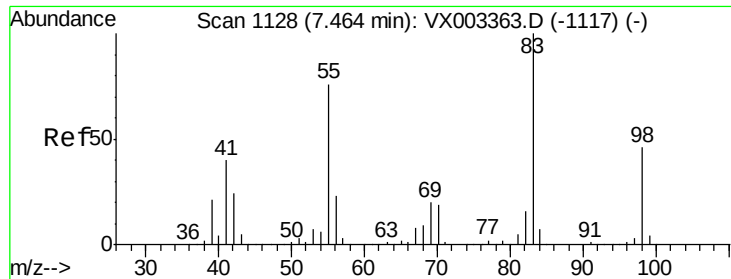
#38
Carbon Tetrachloride
Concen: 22.34 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.9	77.4	116.0
121	32.0	24.4	36.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





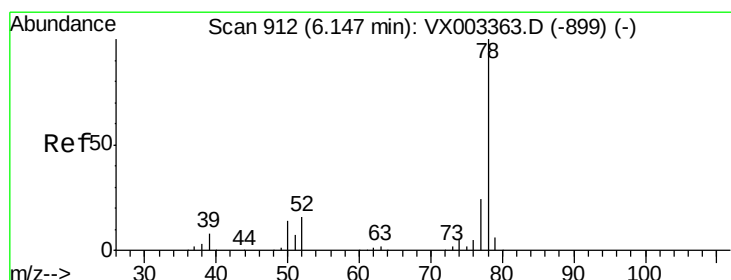
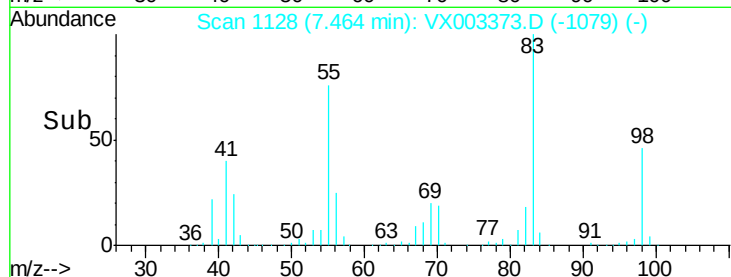
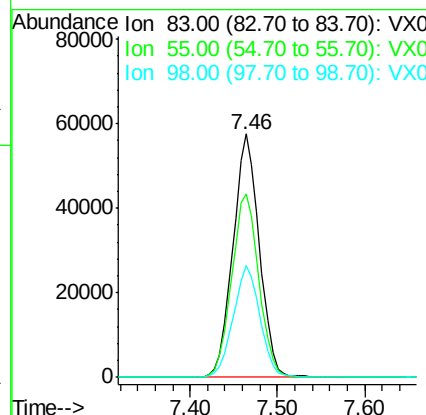
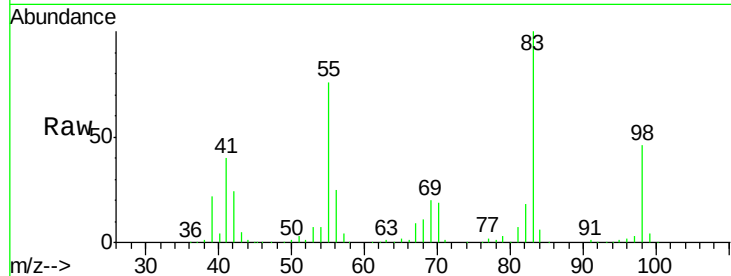
#39
Methylvlcyclohexane
Concen: 23.03 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

Instrument :
MSVOA_X
ClientSampleId :
VX0713WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.5	65.4	98.0	
98	45.7	37.4	56.0	

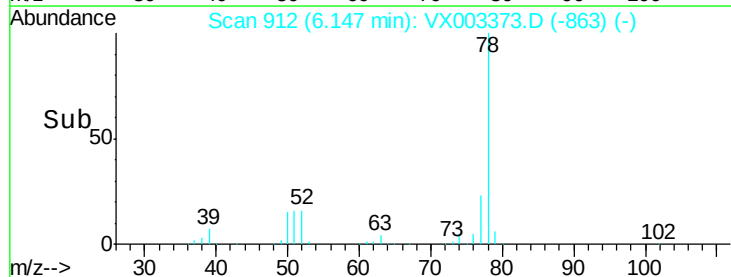
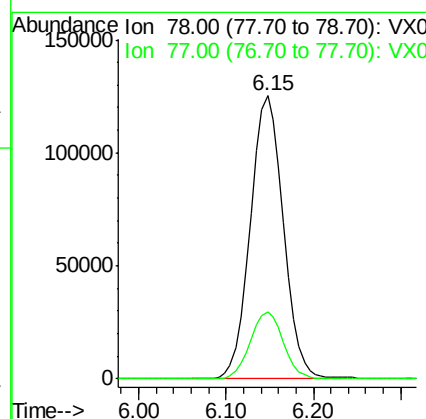
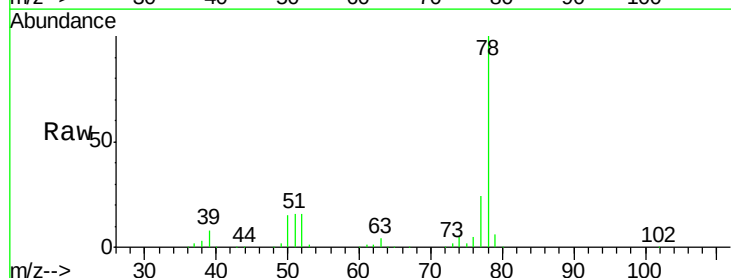
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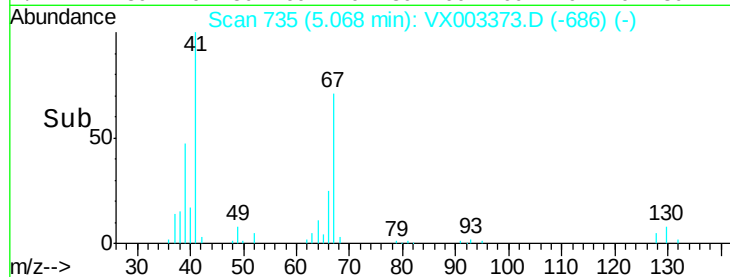
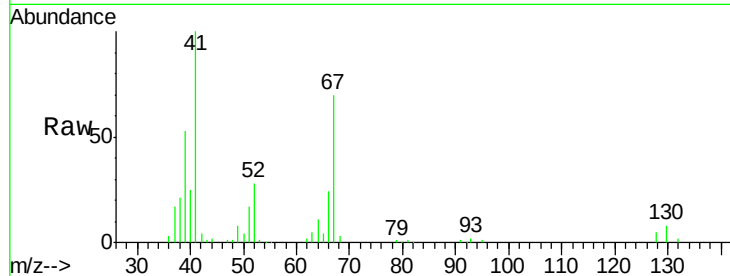
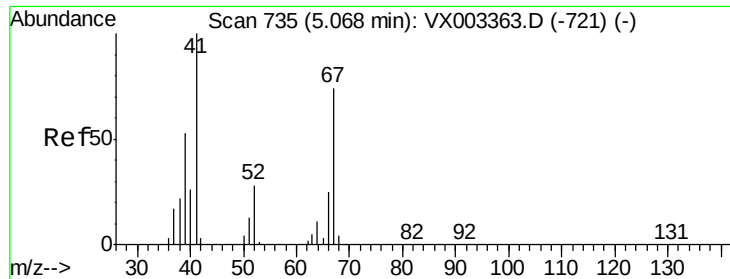
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#40
Benzene
Concen: 22.67 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

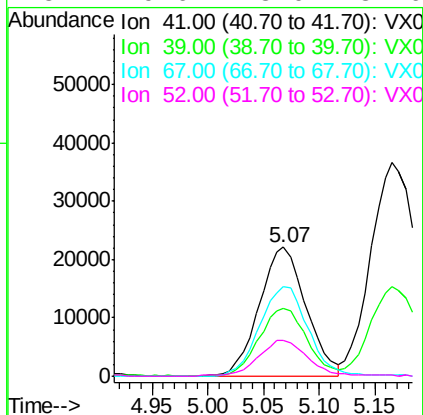
Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.9	19.1	28.7	





#41
Methacrylonitrile
Concen: 22.11 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

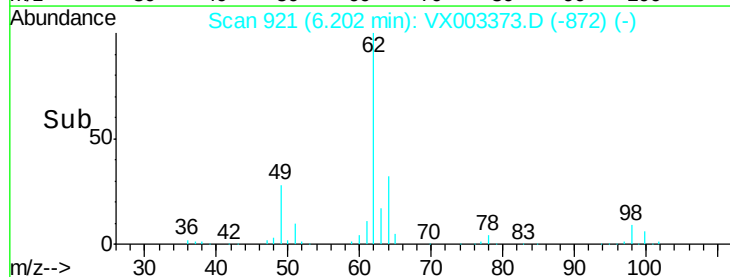
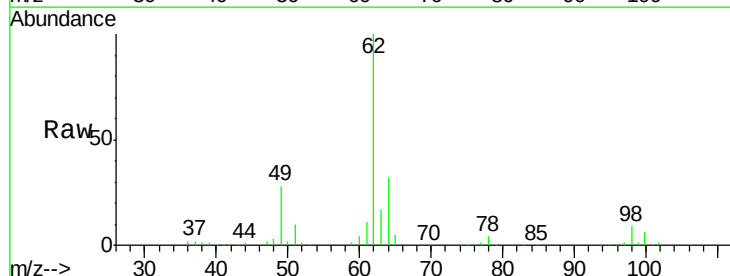
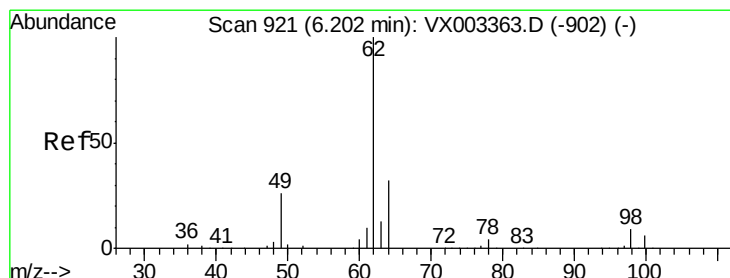
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.6	45.8	68.6	
67	72.9	51.3	76.9	
52	29.6	23.0	34.6	



Instrument :
MSVOA_X
ClientSampleId :
VX0713WBSD01

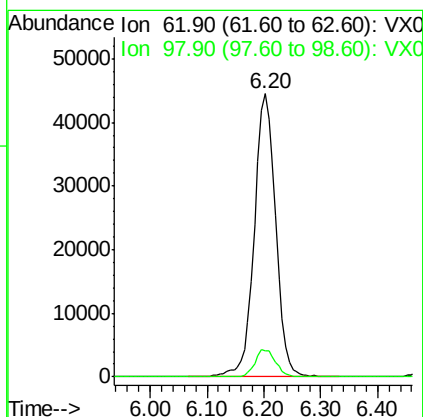
Manual Integrations
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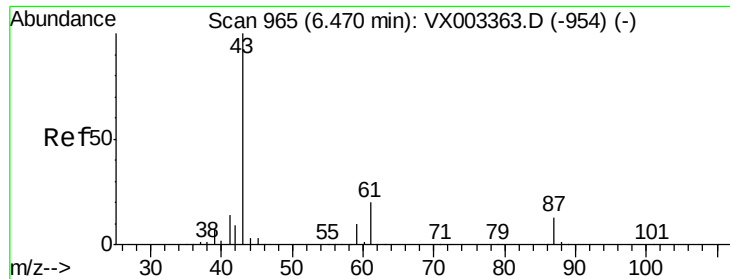
MMDadoda
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#42
1,2-Dichloroethane
Concen: 22.91 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

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





#43

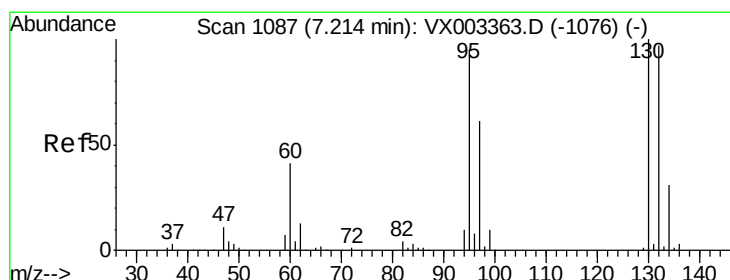
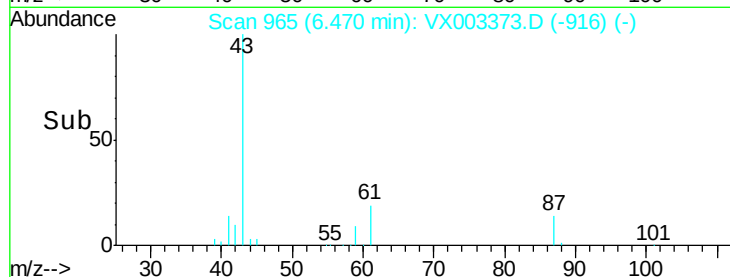
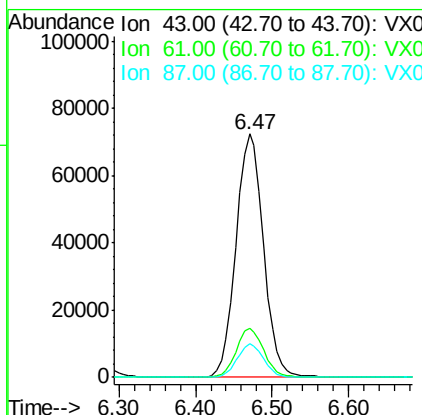
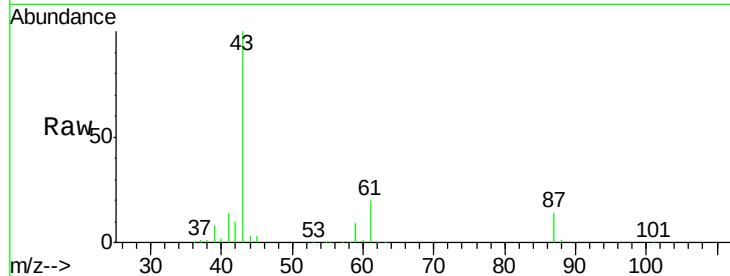
Isopropyl Acetate
 Concen: 22.55 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX003373.D
 Acq: 13 Jul 2018 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0713WBSD01

Tot Ion	43	Resp	179446
Ion	Ratio	Lower	Upper
43	100		
61	20.4	14.4	21.6
87	13.4	9.5	14.3

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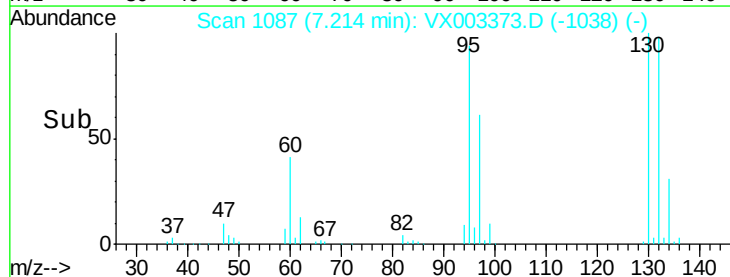
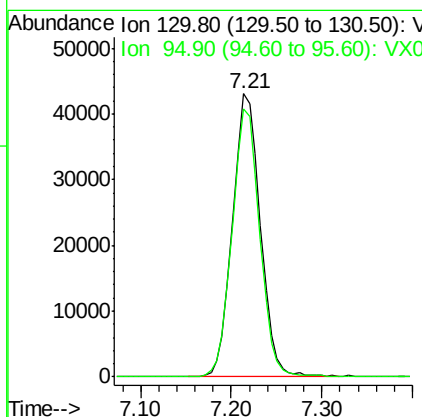
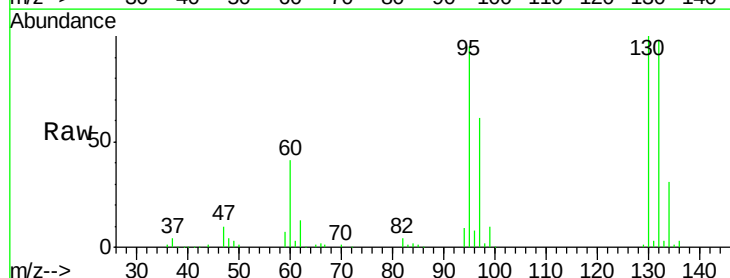
MMDadoda
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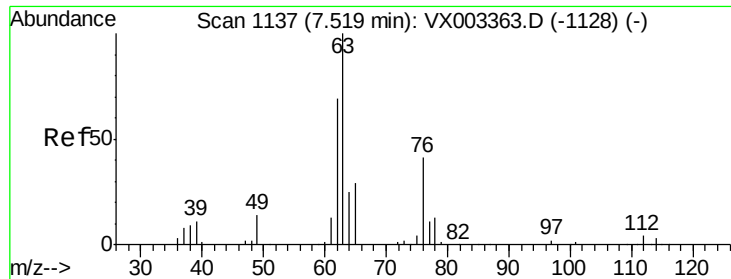


#44

Trichloroethene
 Concen: 22.32 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003373.D
 Acq: 13 Jul 2018 20:41

Tgt Ion	130	Resp	91798
Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	185.4





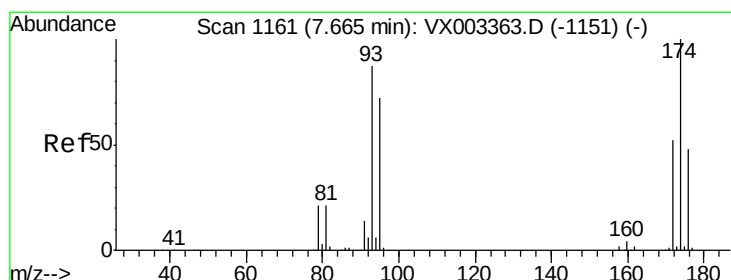
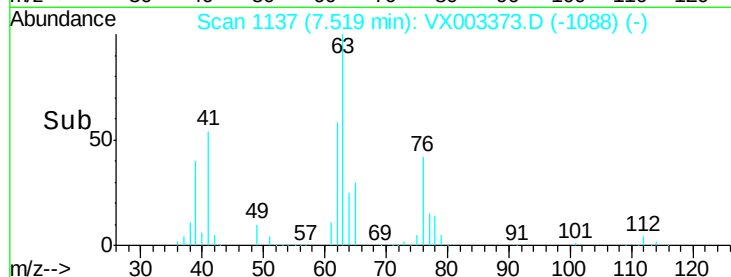
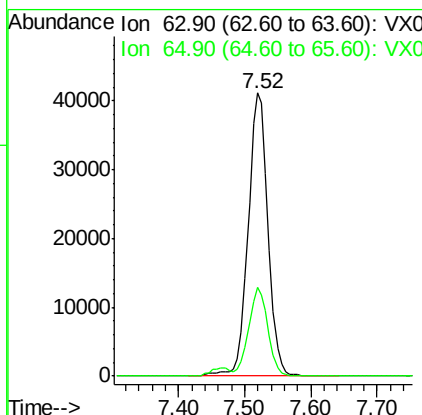
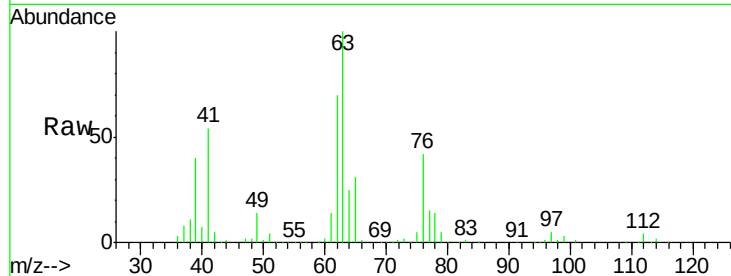
#45
 1,2-Dichloropropane
 Concen: 22.38 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003373.D
 Acq: 13 Jul 2018 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0713WBSD01

Tot Ion: 63 Resp: 86151
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.7 37.1

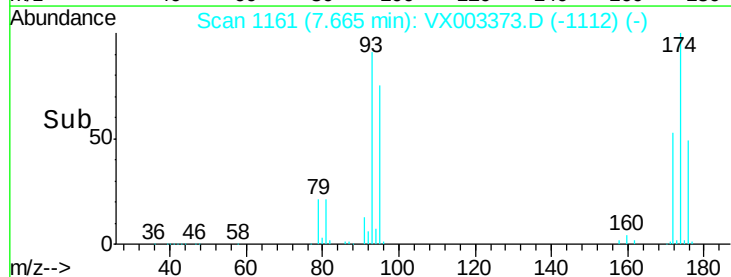
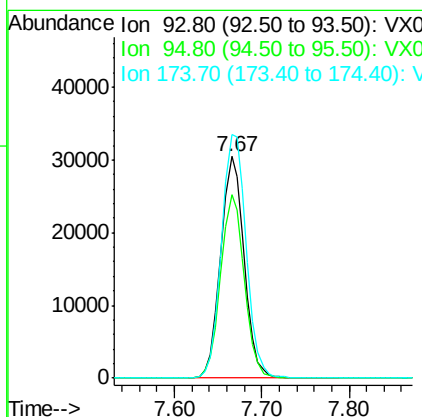
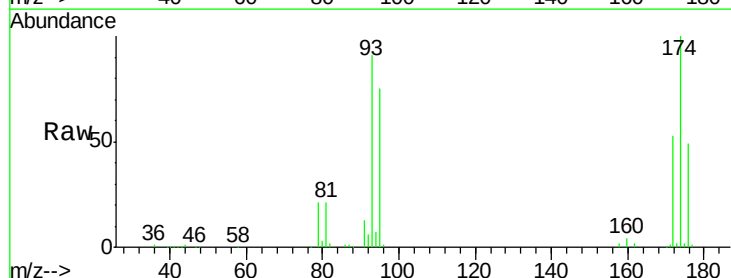
Manual Integrations
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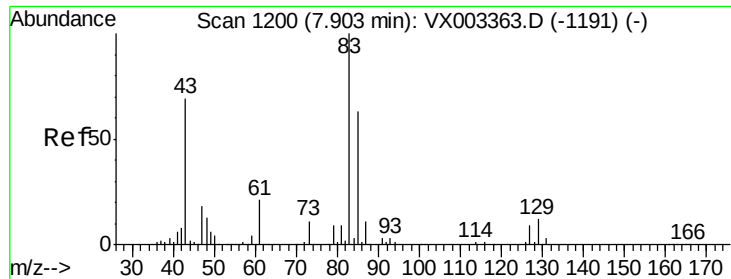
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#46
 Dibromomethane
 Concen: 22.90 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003373.D
 Acq: 13 Jul 2018 20:41

Tgt Ion: 93 Resp: 56685
 Ion Ratio Lower Upper
 93 100
 95 83.5 65.9 98.9
 174 115.5 92.4 138.6





#47

Bromodichloromethane

Concen: 22.01 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

Instrument :

MSVOA_X

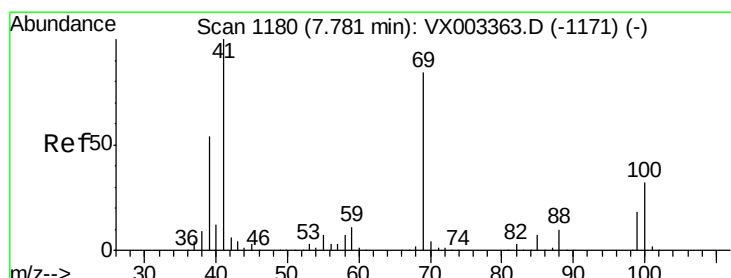
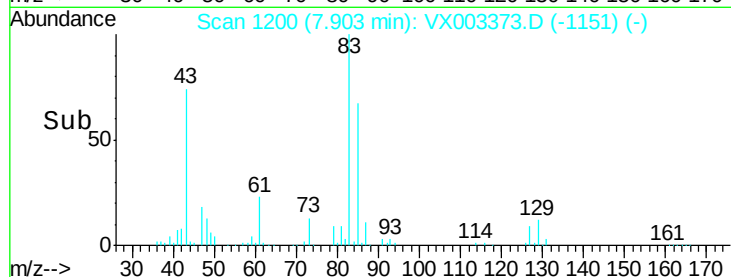
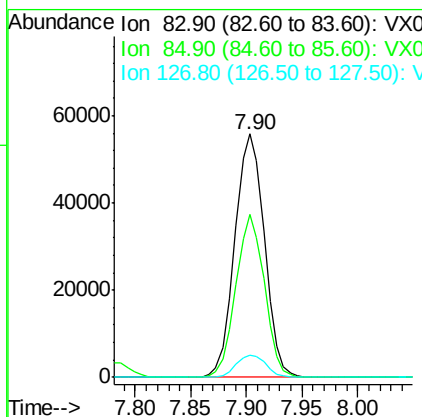
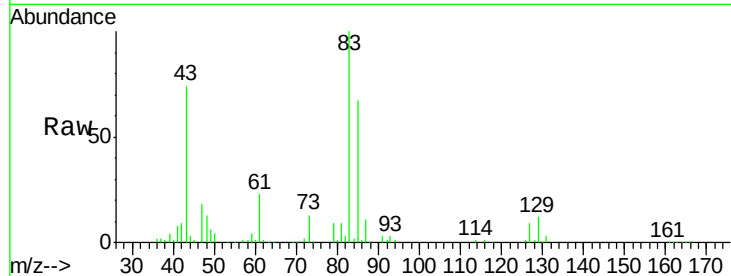
ClientSampleId :

VX0713WBSD01

Tot Ion:	83	Resp:	102729
Ion	Ratio	Lower	Upper
83	100		
85	66.7	50.3	75.5
127	9.1	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.45 ug/l

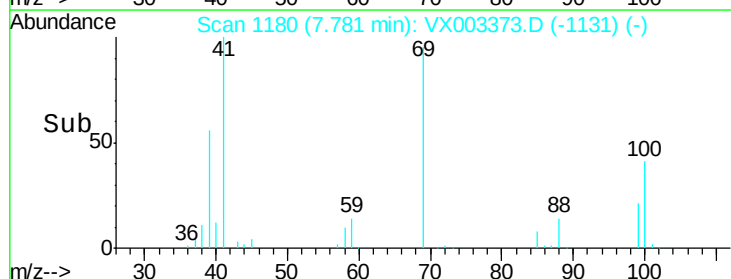
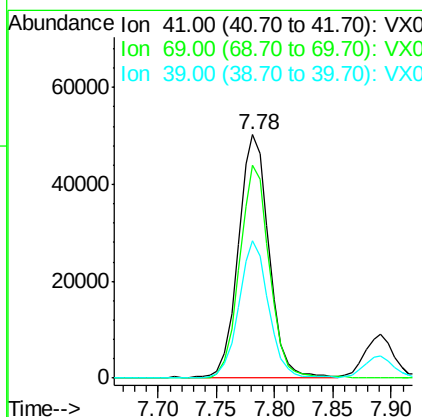
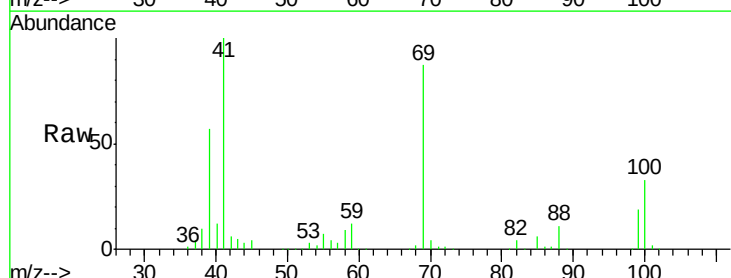
RT: 7.78 min Scan# 1180

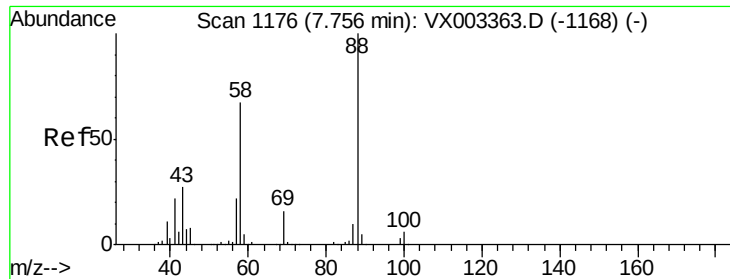
Delta R.T. 0.00 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

Tgt Ion:	41	Resp:	91195
Ion	Ratio	Lower	Upper
41	100		
69	86.3	59.1	88.7
39	54.7	48.9	73.3





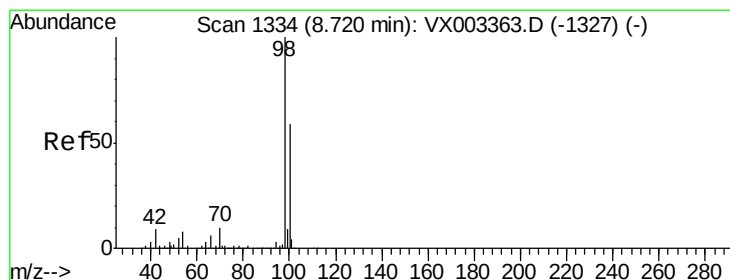
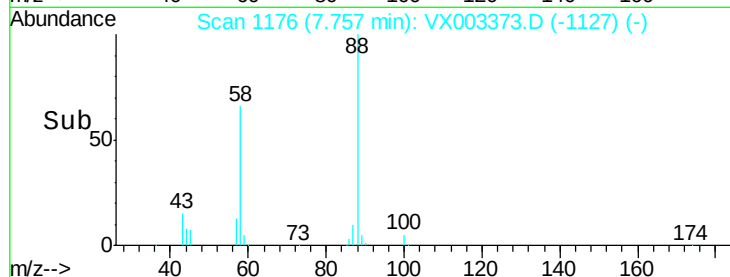
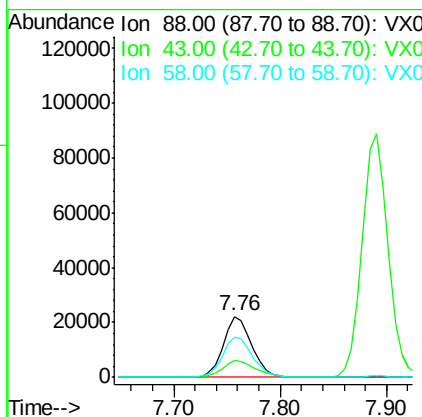
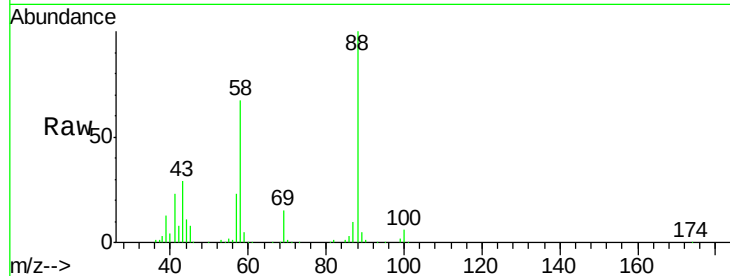
#49
1,4-Dioxane
Concen: 469.02 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

Instrument :
MSVOA_X
ClientSampleId :
VX0713WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.0	29.8	44.6
58	71.5	57.1	85.7

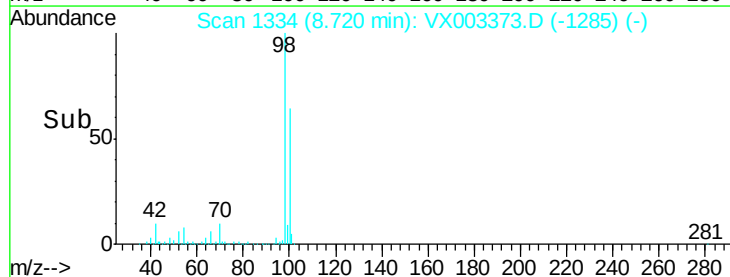
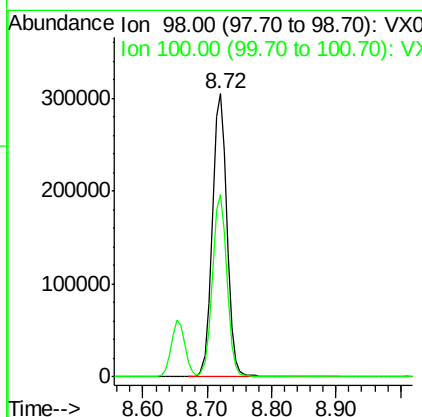
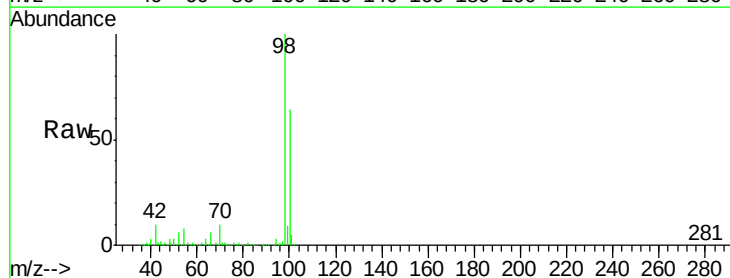
Manual Integrations
APPROVED

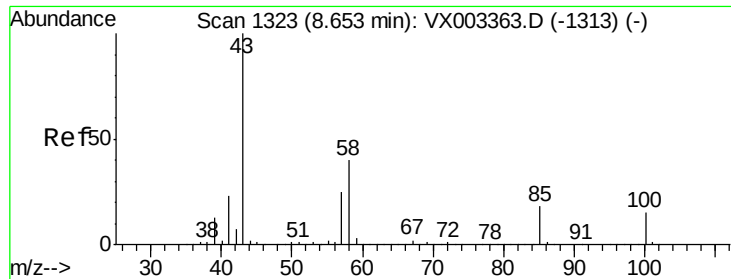
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#50
Toluene-d8
Concen: 46.28 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 115.46 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

Instrument :

MSVOA_X

ClientSampleId :

VX0713WBSD01

Tot Ion: 43 Resp: 600622

Ion Ratio Lower Upper

43 100

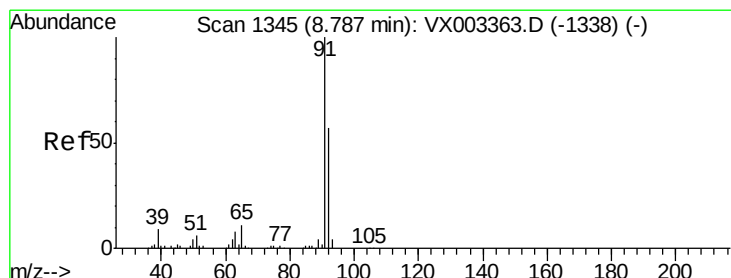
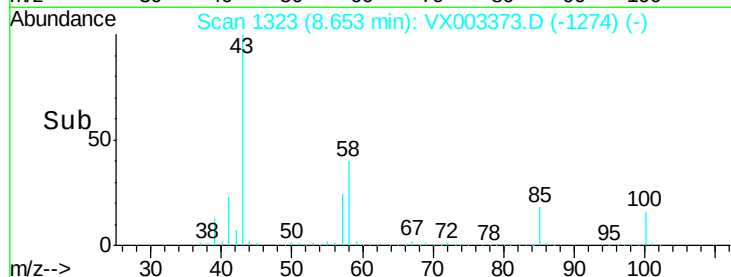
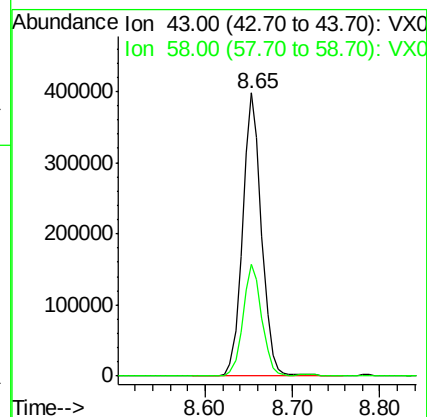
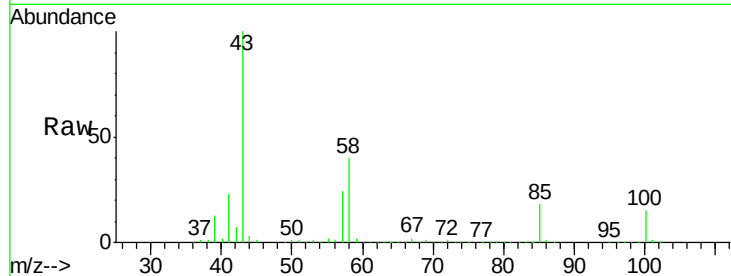
58 39.2 28.6 42.8

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#52

Toluene

Concen: 22.58 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003373.D

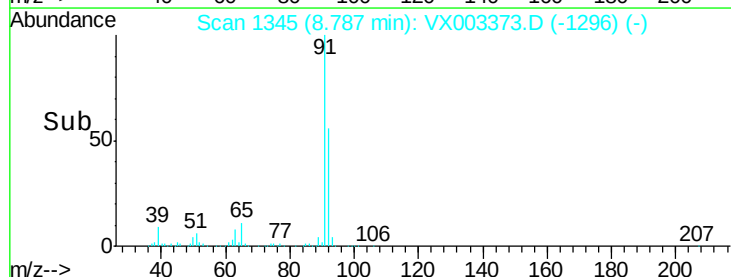
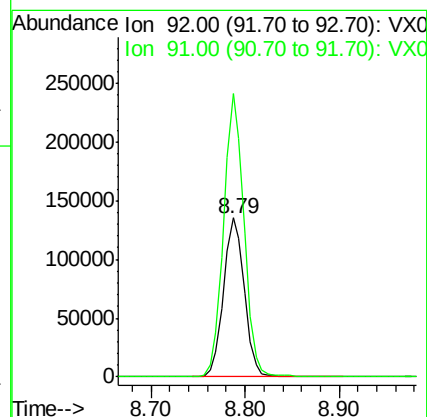
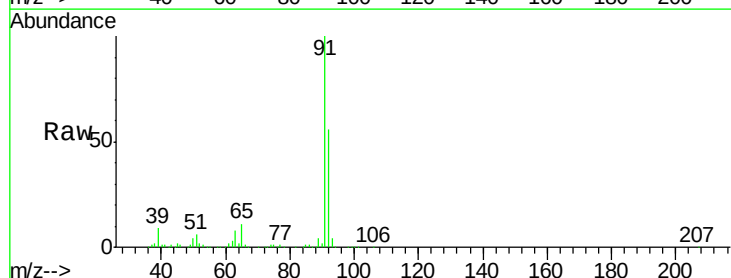
Acq: 13 Jul 2018 20:41

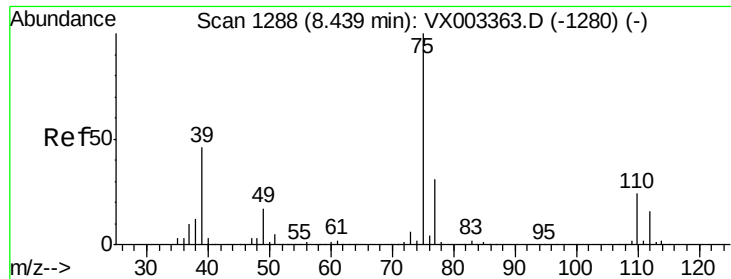
Tgt Ion: 92 Resp: 207709

Ion Ratio Lower Upper

92 100

91 174.8 140.4 210.6





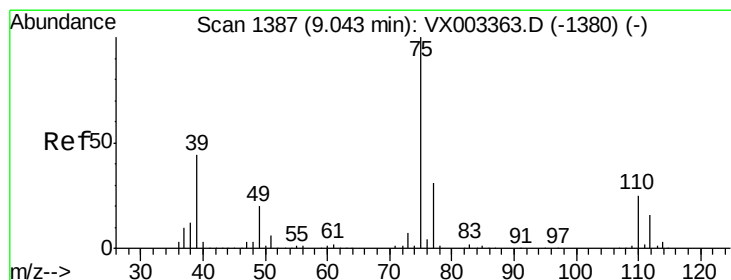
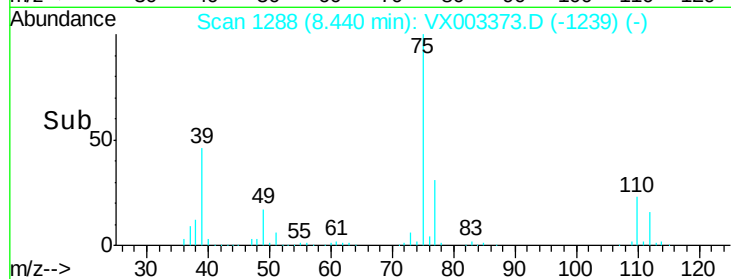
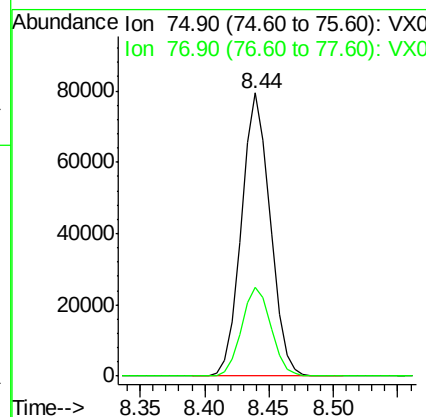
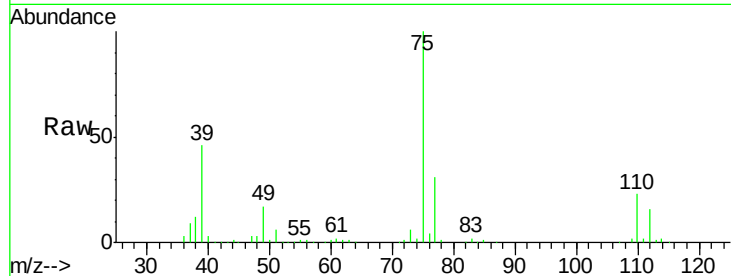
#53
 t-1,3-Dichloropropene
 Concen: 22.36 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003373.D
 Acq: 13 Jul 2018 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0713WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
75	100	122591		
77	31.3	25.4	38.2	

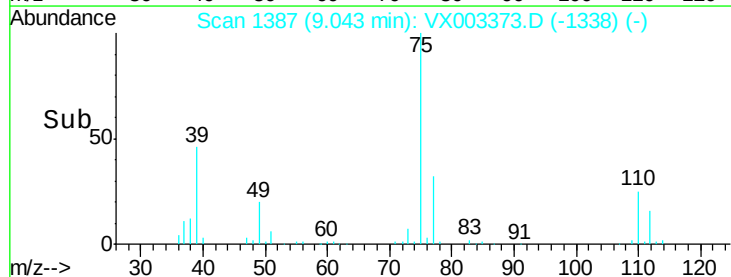
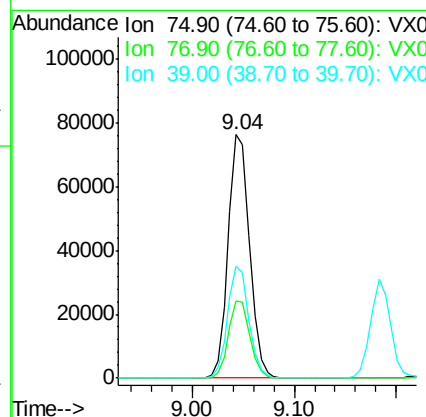
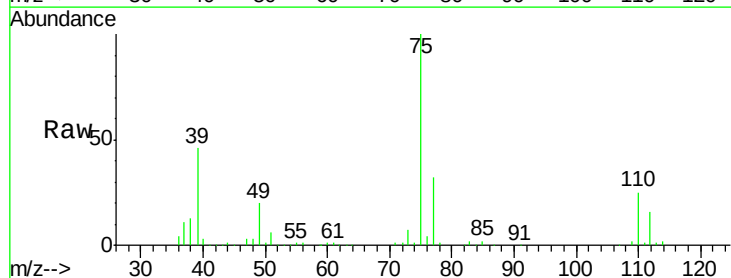
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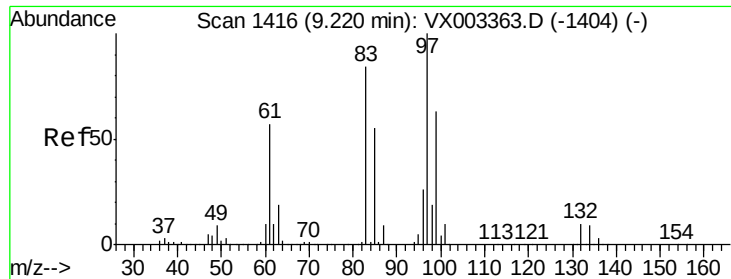
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#54
 cis-1,3-Dichloropropene
 Concen: 22.24 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX003373.D
 Acq: 13 Jul 2018 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	111388		
77	31.8	24.8	37.2	
39	45.7	42.4	63.6	





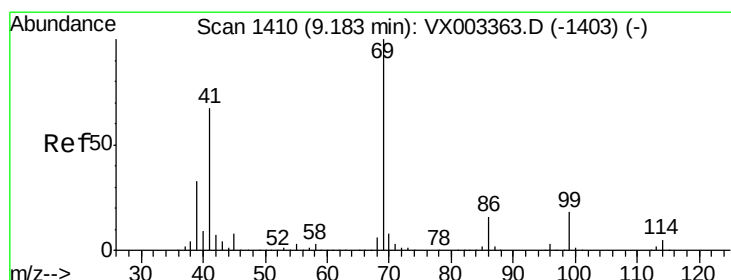
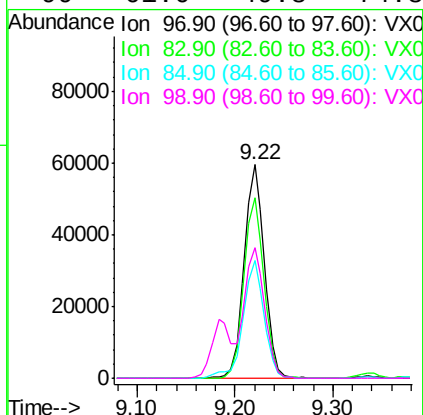
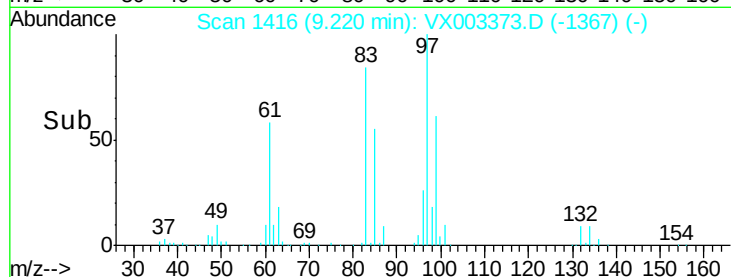
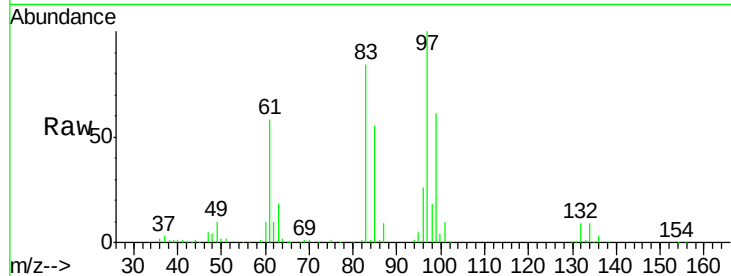
#55
 1,1,2-Trichloroethane
 Concen: 22.26 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003373.D
 Acq: 13 Jul 2018 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0713WBSD01

Tot Ion:	97	Resp:	85453
Ion	Ratio	Lower	Upper
97	100		
83	84.3	70.2	105.2
85	55.4	44.9	67.3
99	61.0	49.8	74.8

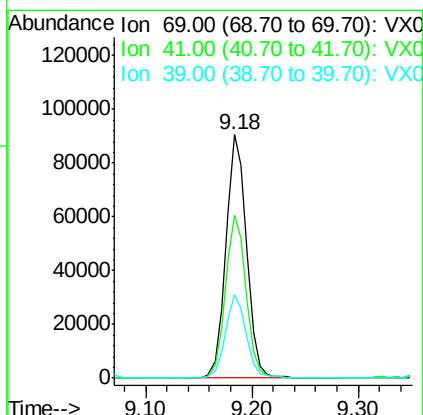
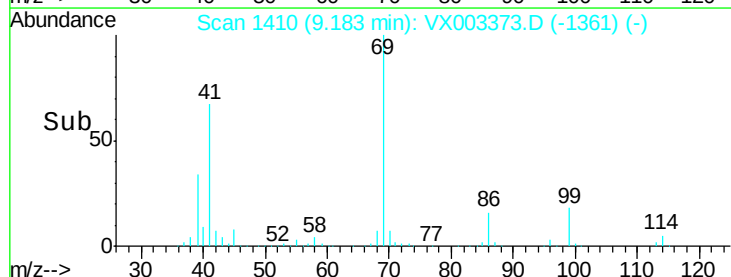
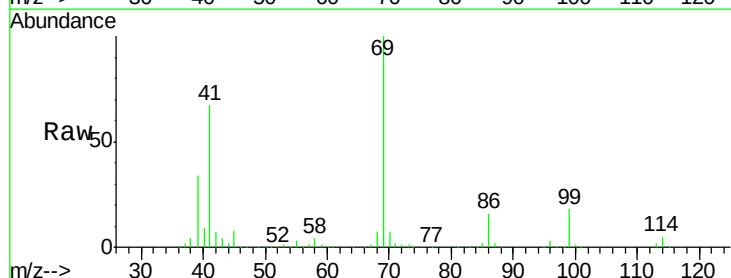
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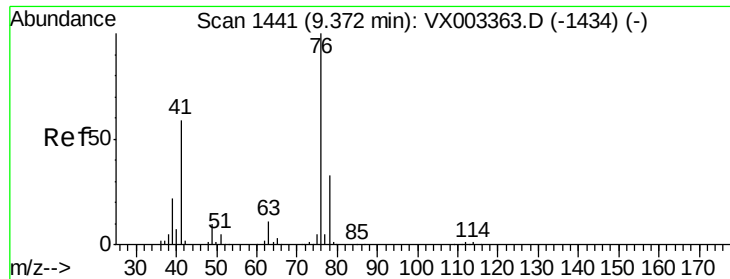
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#56
 Ethyl methacrylate
 Concen: 22.52 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003373.D
 Acq: 13 Jul 2018 20:41

Tgt Ion:	69	Resp:	123484
Ion	Ratio	Lower	Upper
69	100		
41	66.5	60.3	90.5
39	33.8	35.8	53.8#





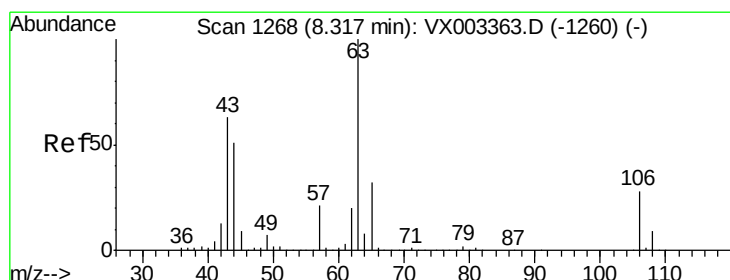
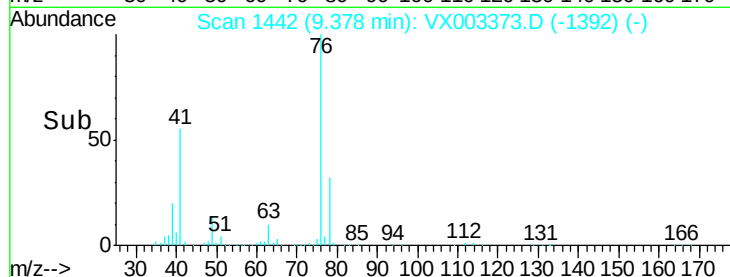
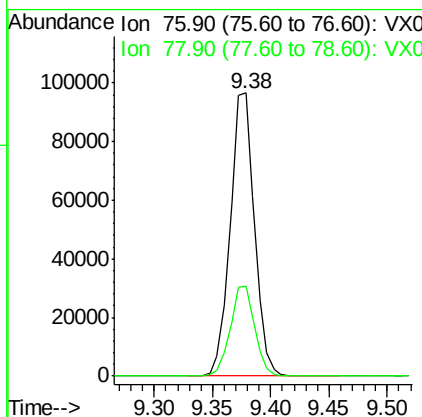
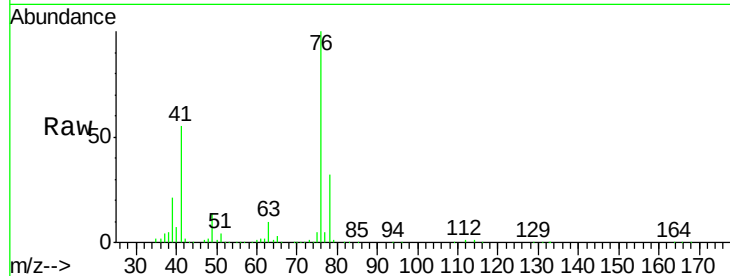
#57
 1,3-Dichloropropane
 Concen: 22.54 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: VX003373.D
 Acq: 13 Jul 2018 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0713WBSD01

Tot Ion: 76 Resp: 140264
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.6

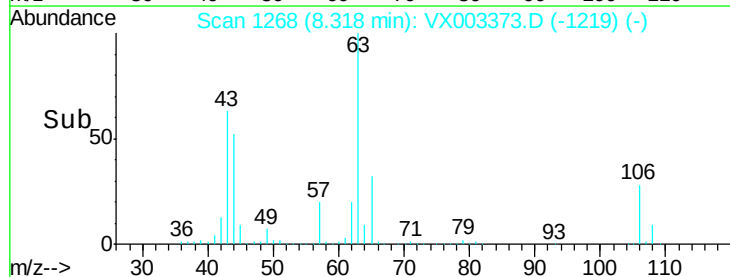
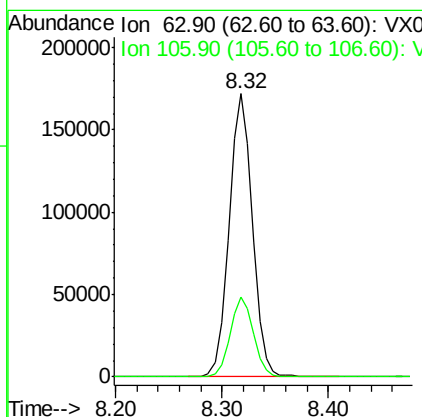
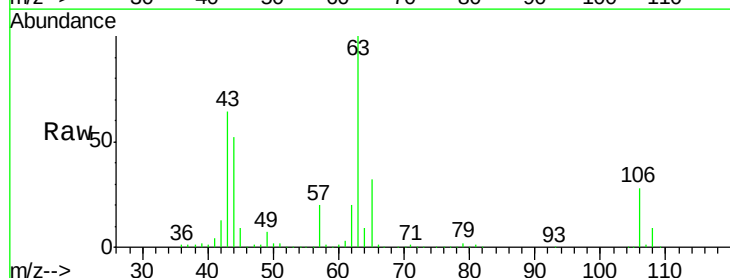
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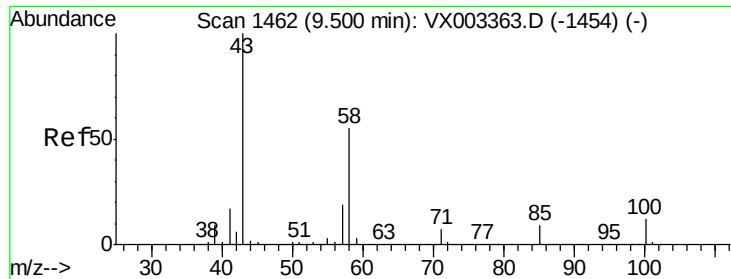
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#58
 2-Chloroethyl Vinyl ether
 Concen: 98.66 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003373.D
 Acq: 13 Jul 2018 20:41

Tgt Ion: 63 Resp: 262886
 Ion Ratio Lower Upper
 63 100
 106 28.2 21.8 32.8





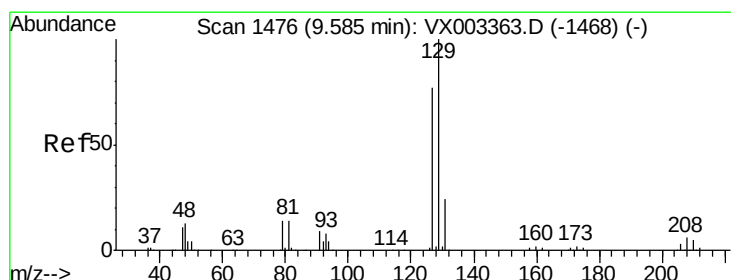
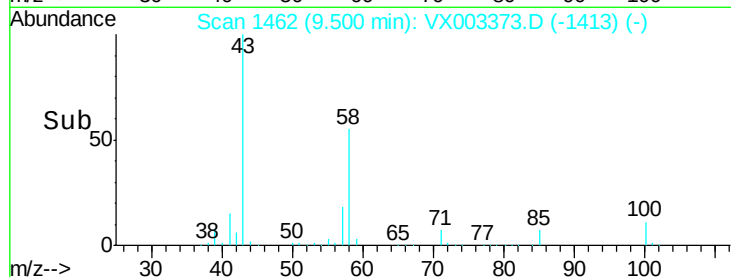
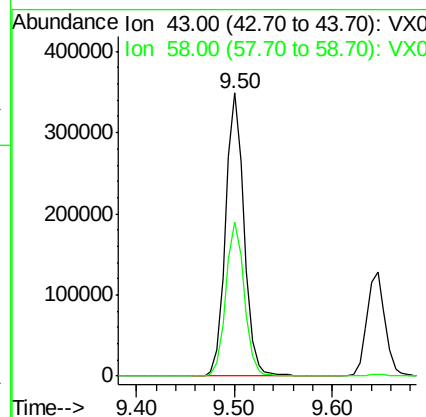
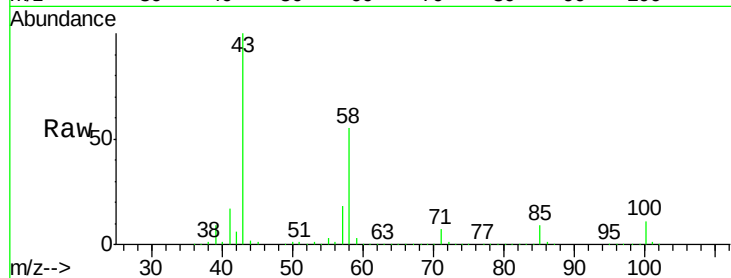
#59
2-Hexanone
Concen: 119.09 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

Instrument :
MSVOA_X
ClientSampleId :
VX0713WBSD01

Tot Ion: 43 Resp: 456954
Ion Ratio Lower Upper
43 100
58 54.7 24.6 73.6

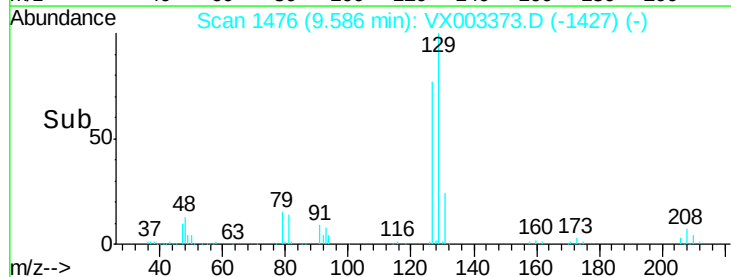
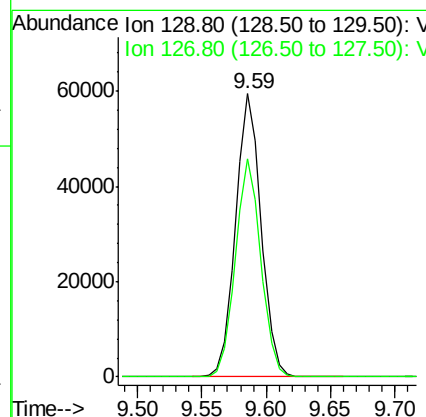
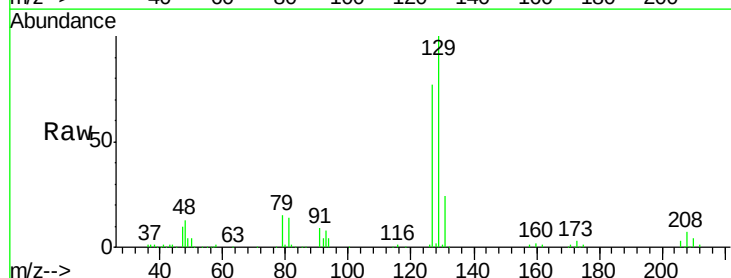
Manual Integrations
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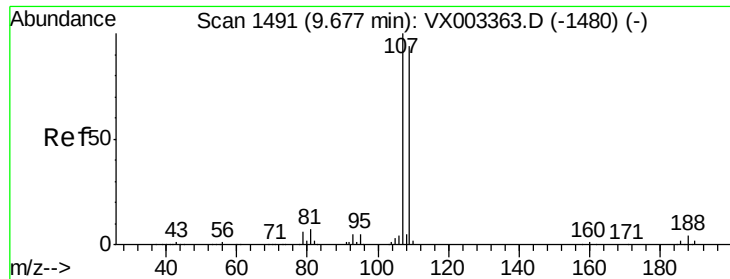
MMDadoda
7/16/2018 11:24:46 AM



#60
Dibromochloromethane
Concen: 22.14 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

Tgt Ion:129 Resp: 82518
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.3





#61

1,2-Dibromoethane

Concen: 22.96 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

Instrument :

MSVOA_X

ClientSampleId :

VX0713WBSD01

Tot Ion:107 Resp: 88883

Ion Ratio Lower Upper

107 100

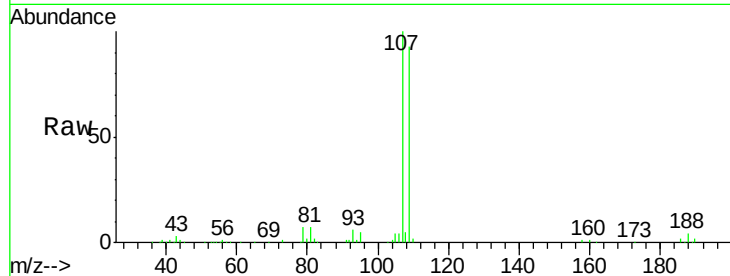
109 93.8 75.3 112.9

Manual Integrations

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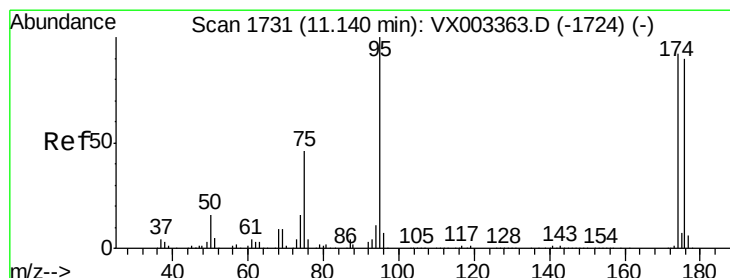
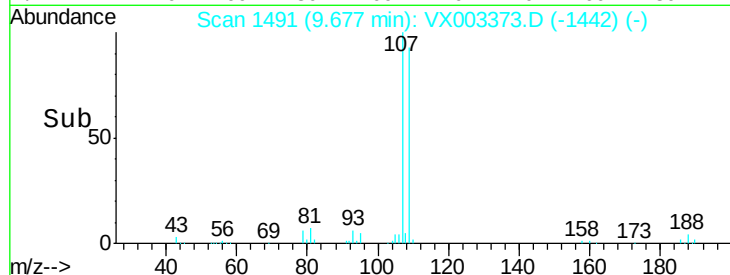
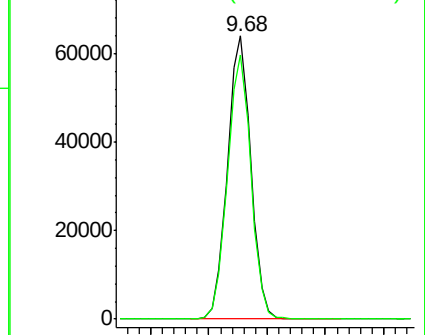
MMDadoda

7/16/2018 11:24:46 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 43.76 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

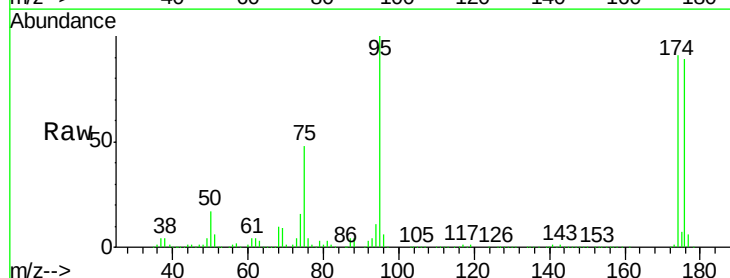
Tgt Ion: 95 Resp: 195638

Ion Ratio Lower Upper

95 100

174 93.6 0.0 187.4

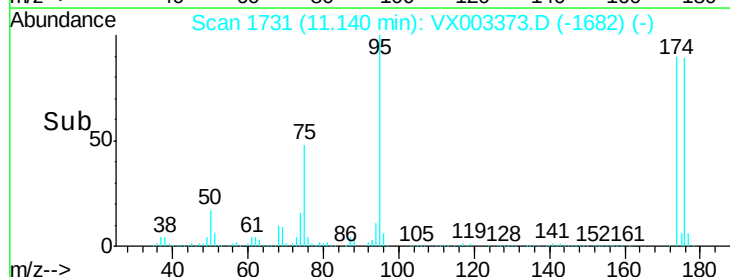
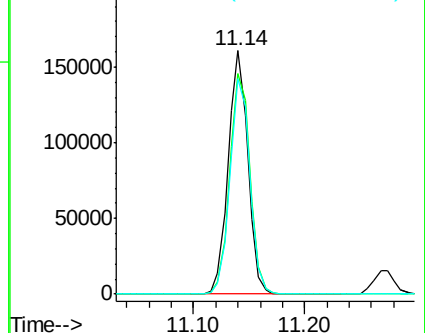
176 90.0 0.0 181.0

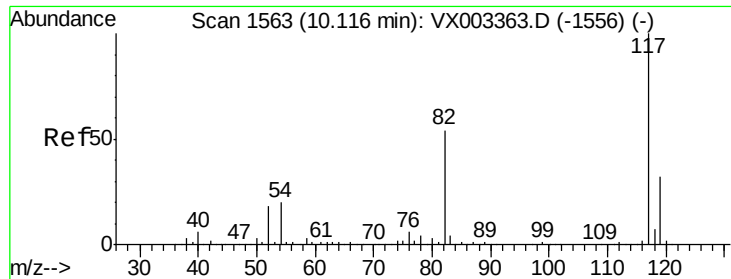


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





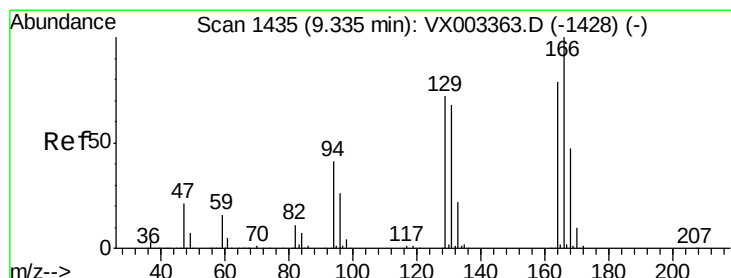
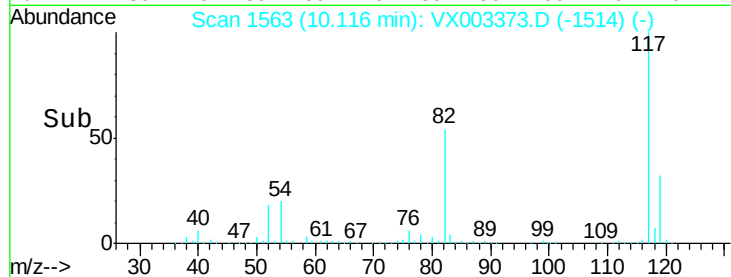
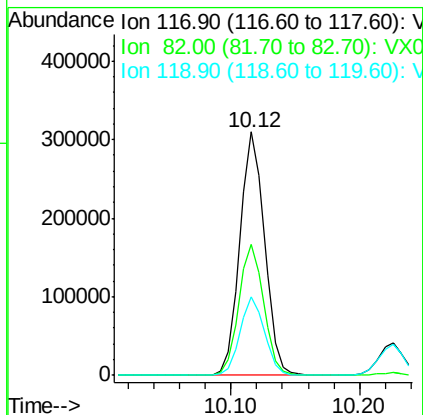
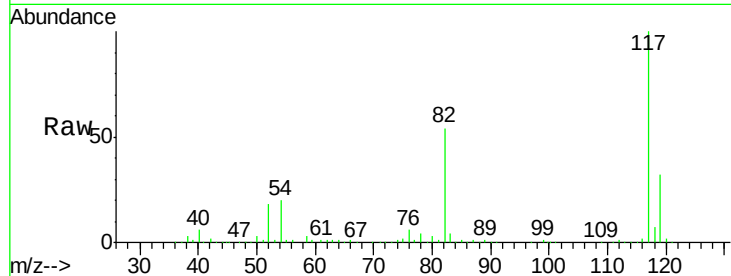
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

Instrument :
MSVOA_X
ClientSampleId :
VX0713WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	45.0	67.4
119	32.2	25.8	38.6

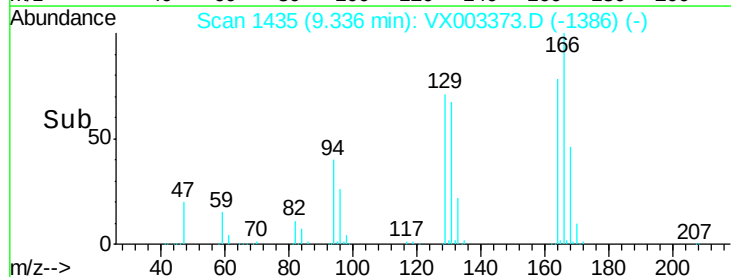
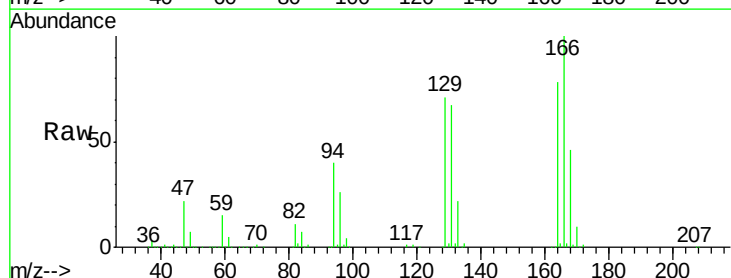
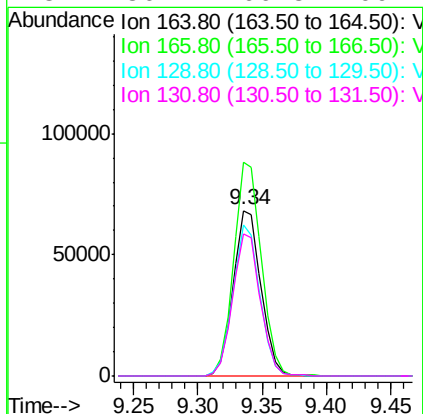
Manual Integrations
APPROVED

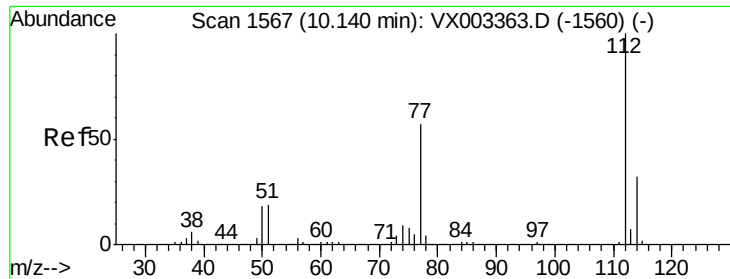
MMDadoda
7/16/2018 11:24:46 AM



#64
Tetrachloroethene
Concen: 22.81 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	102.9	154.3
129	91.0	68.6	102.8
131	86.1	66.8	100.2





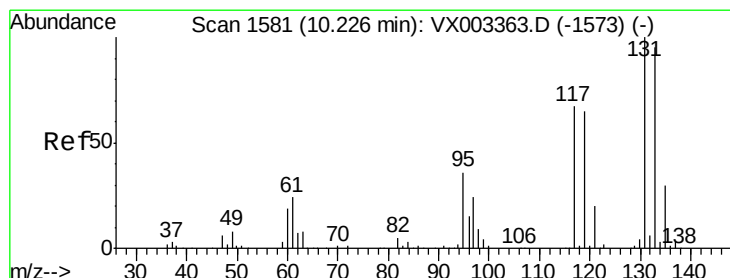
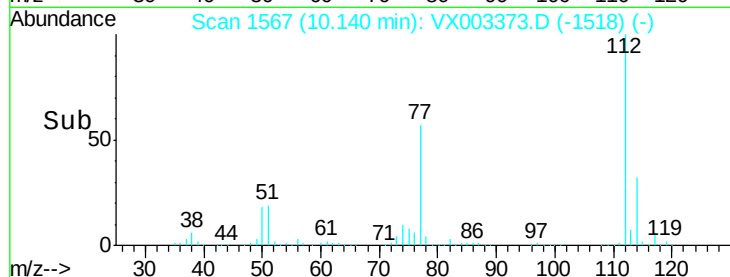
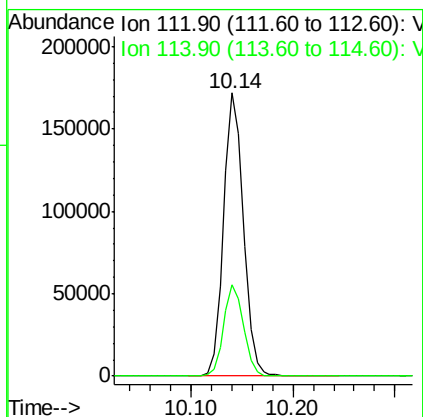
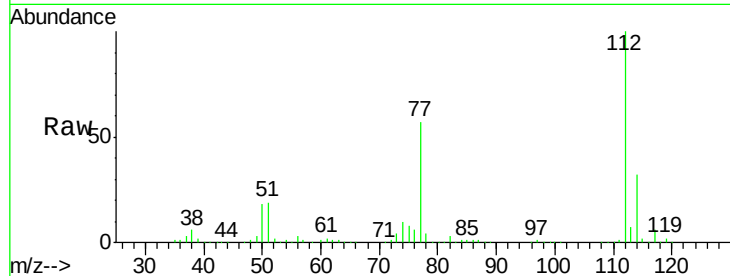
#65
Chlorobenzene
Concen: 22.00 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

Instrument :
MSVOA_X
ClientSampleId :
VX0713WBSD01

Tot Ion:112 Resp: 233061
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9

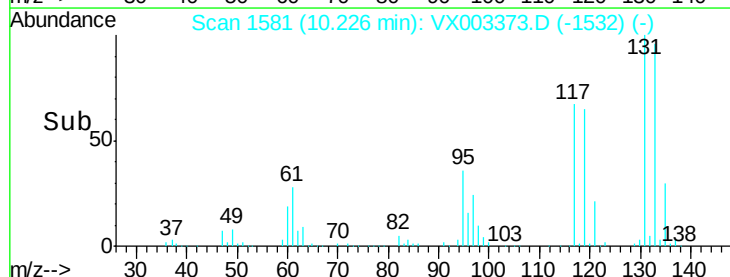
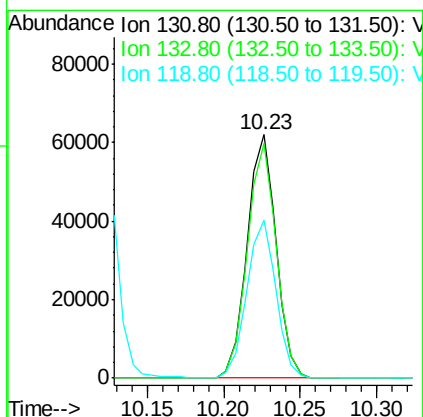
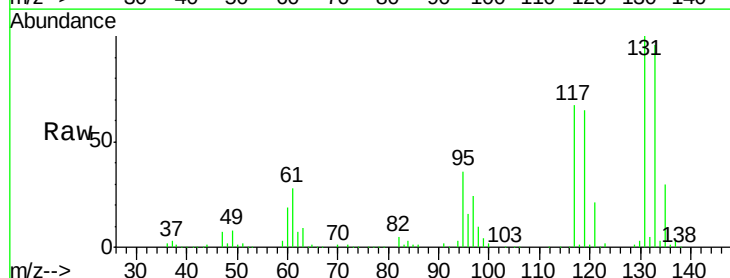
Manual Integrations
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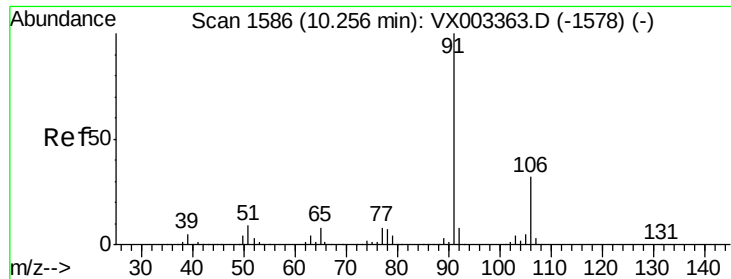
MMDadoda
7/16/2018 11:24:46 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.74 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

Tgt Ion:131 Resp: 81408
Ion Ratio Lower Upper
131 100
133 96.4 47.9 143.6
119 65.4 31.8 95.3





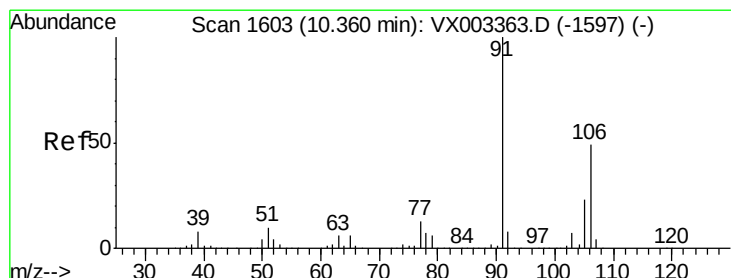
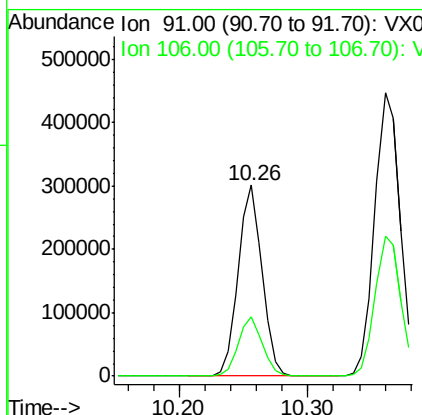
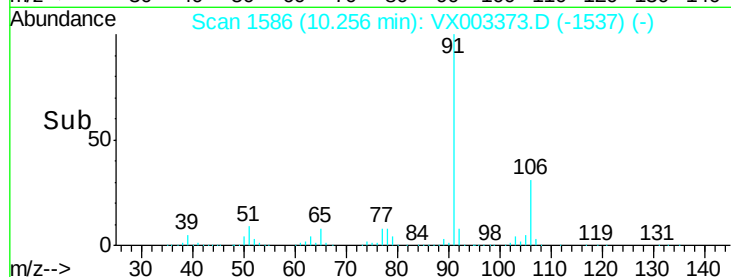
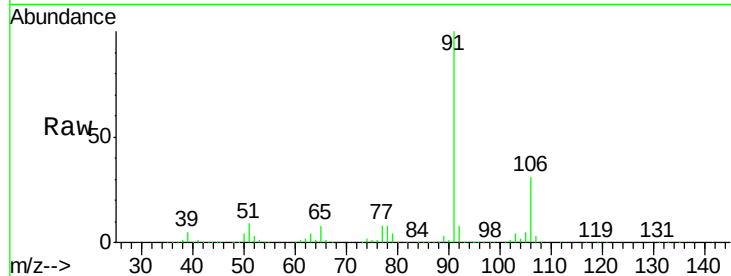
#67
Ethyl Benzene
Concen: 22.46 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

Instrument :
MSVOA_X
ClientSampleId :
VX0713WBSD01

Tot Ion: 91 Resp: 387166
Ion Ratio Lower Upper
91 100
106 31.0 25.5 38.3

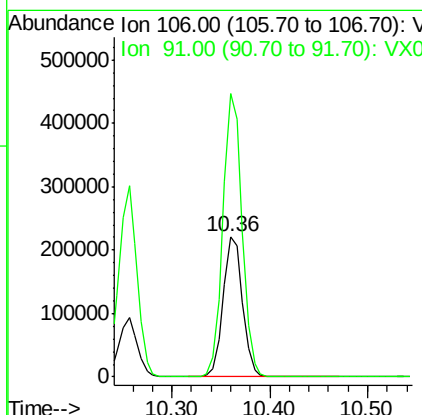
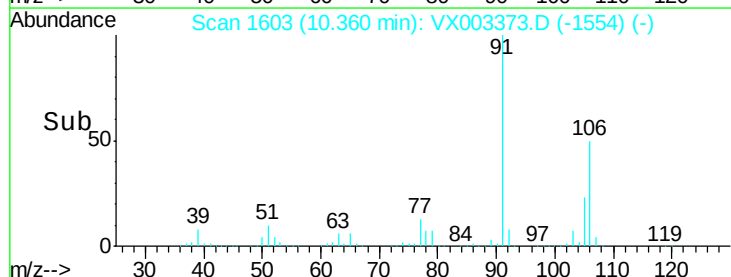
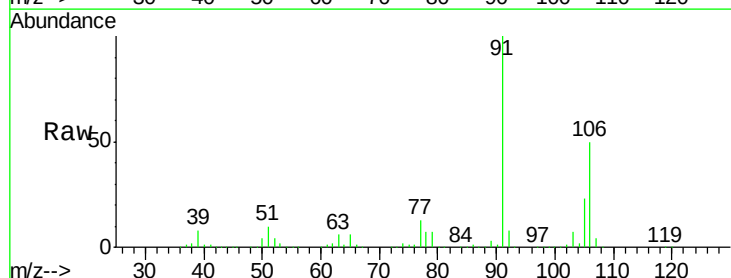
Manual Integrations
APPROVED

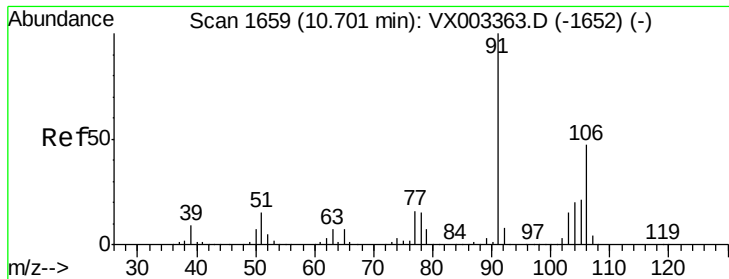
MMDadoda
7/16/2018 11:24:46 AM



#68
m/p-Xylenes
Concen: 45.72 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

Tgt Ion: 106 Resp: 303602
Ion Ratio Lower Upper
106 100
91 200.1 163.4 245.2





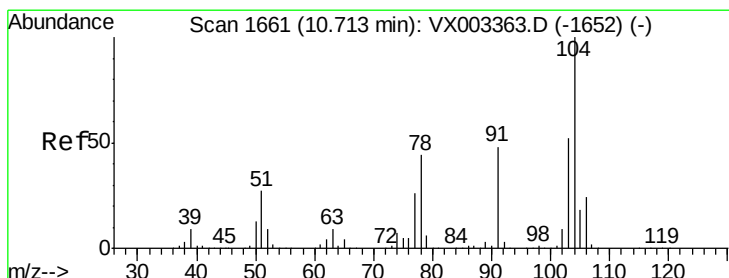
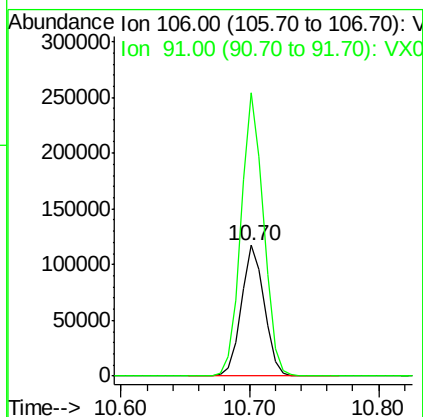
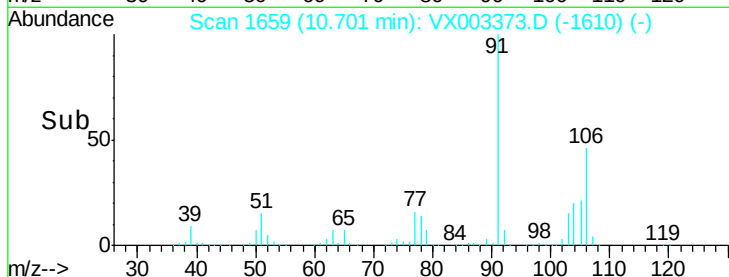
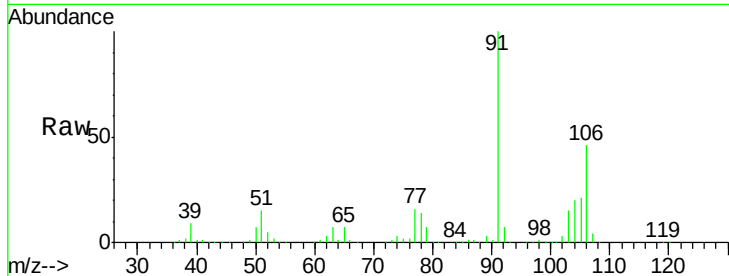
#69
o-Xylene
Concen: 22.26 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

Instrument :
MSVOA_X
ClientSampleId :
VX0713WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.5	108.2	324.6	

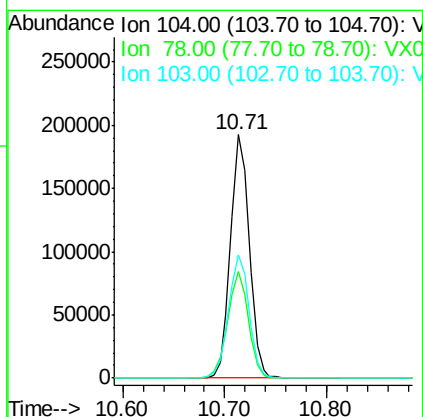
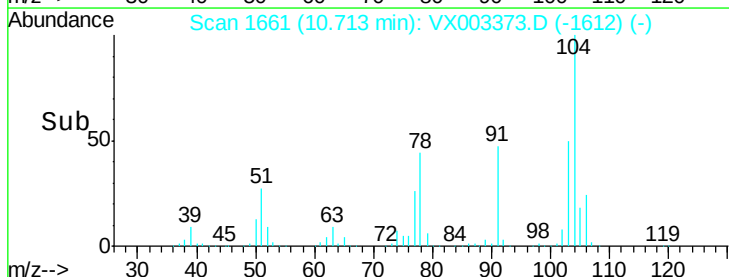
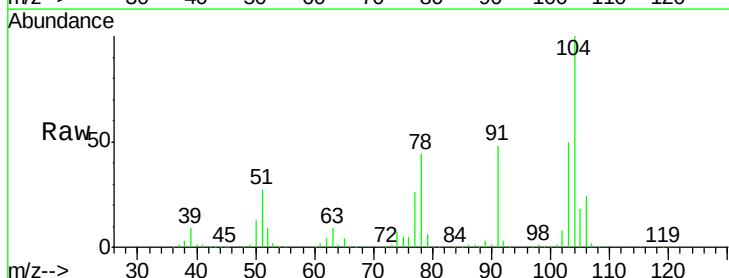
Manual Integrations
APPROVED

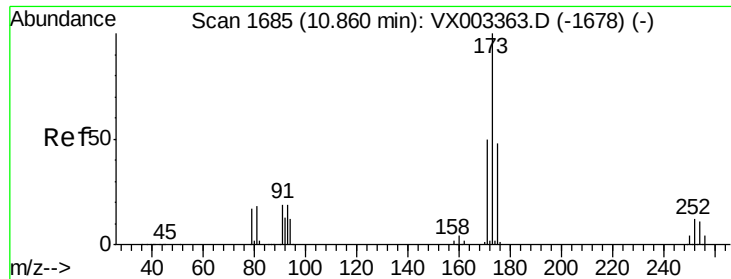
MMDadoda
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#70
Styrene
Concen: 22.54 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.9	41.0	61.6	
103	55.1	44.2	66.4	





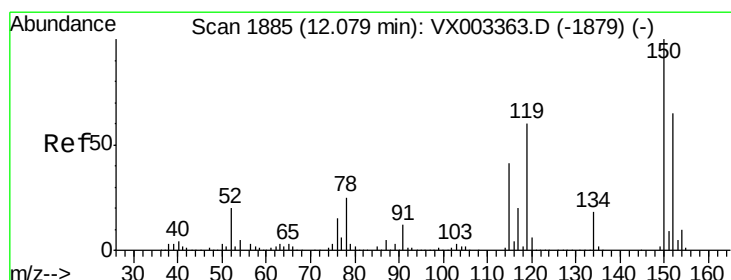
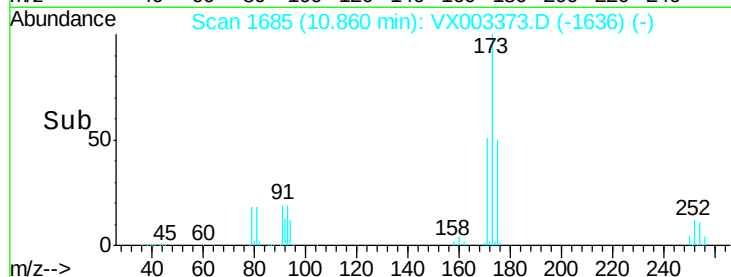
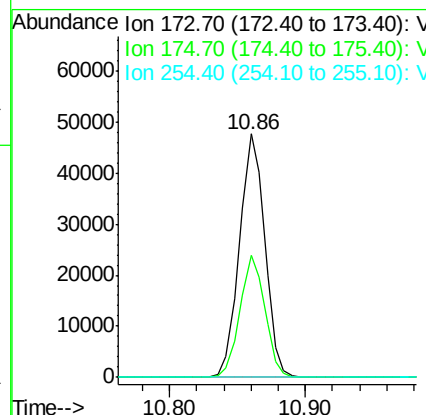
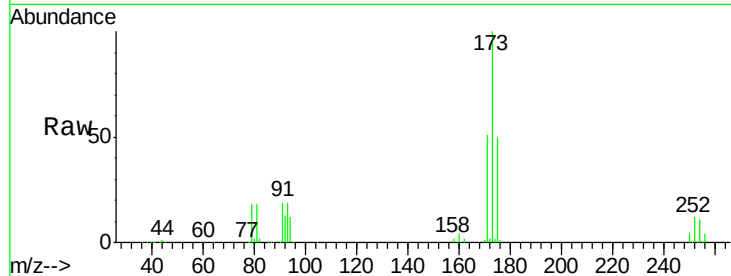
#71
Bromoform
Concen: 21.54 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

Instrument :
MSVOA_X
ClientSampleId :
VX0713WBSD01

Tot Ion:173 Resp: 61764
Ion Ratio Lower Upper
173 100
175 49.3 24.7 74.1
254 0.0 0.2 0.2#

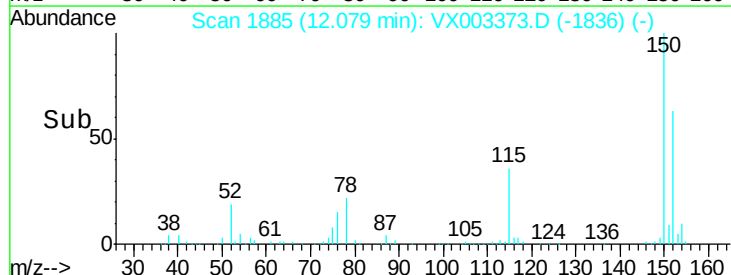
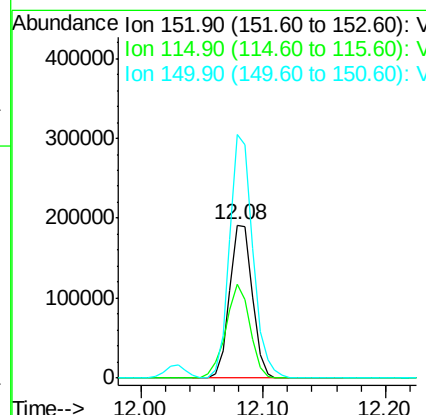
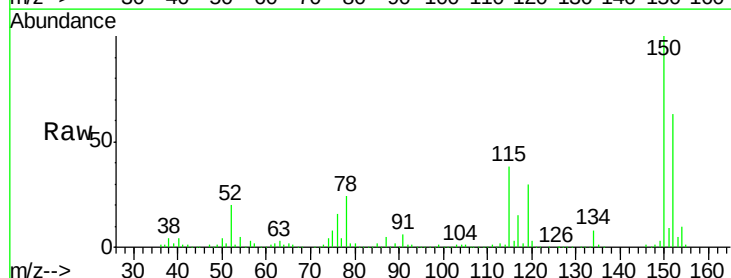
Manual Integrations
APPROVED

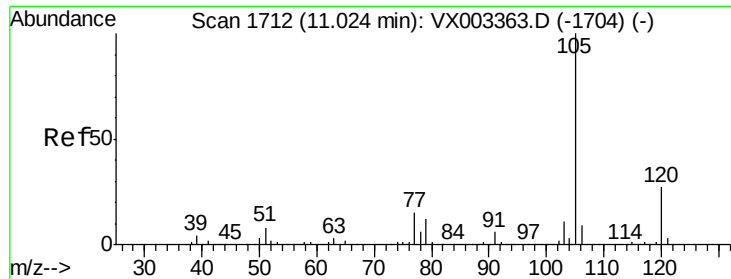
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

Tgt Ion:152 Resp: 244248
Ion Ratio Lower Upper
152 100
115 65.3 40.1 120.2
150 163.8 0.0 347.2





#73

Isopropylbenzene

Concen: 22.90 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

Instrument :

MSVOA_X

ClientSampleId :

VX0713WBSD01

Tot Ion:105 Resp: 386737

Ion Ratio Lower Upper

105 100

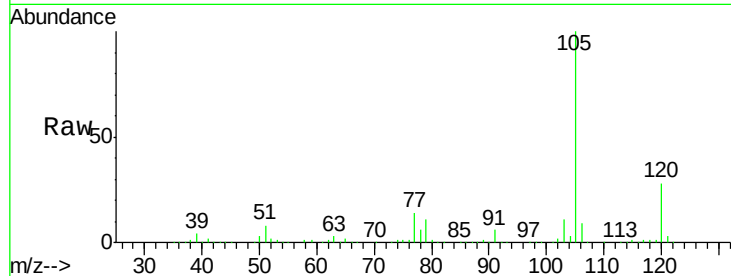
120 26.9 13.5 40.4

Manual Integrations

APPROVED

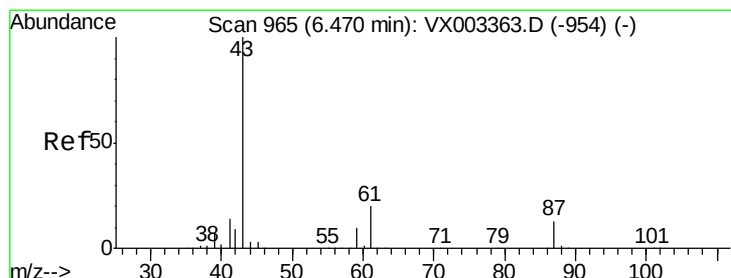
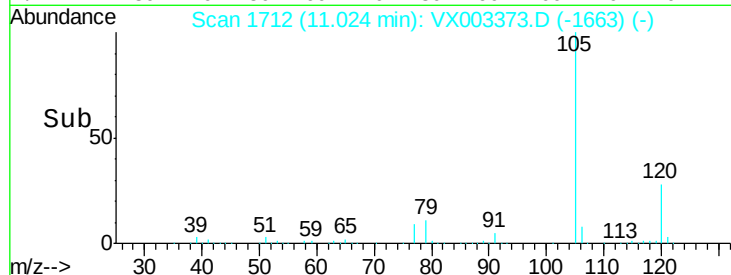
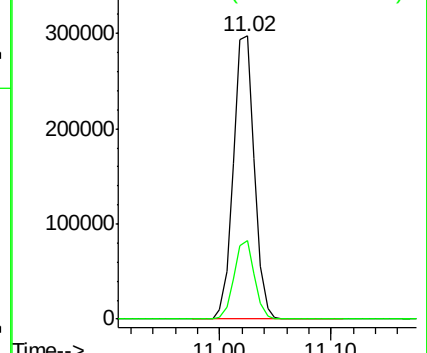
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.92 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

Tgt Ion: 43 Resp: 179446

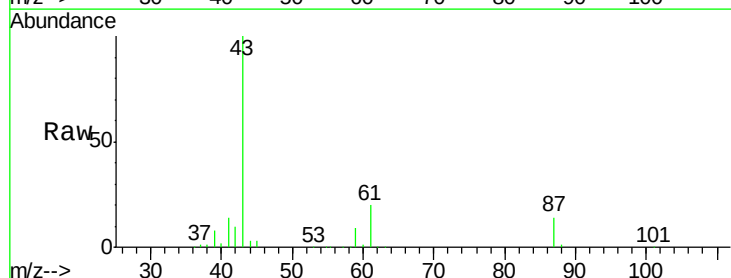
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 20.4 14.4 21.6

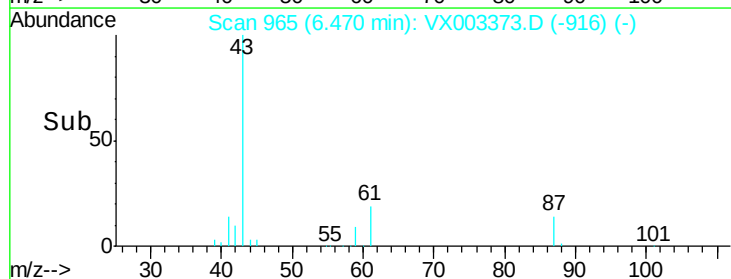
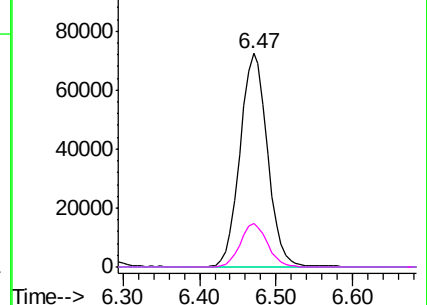


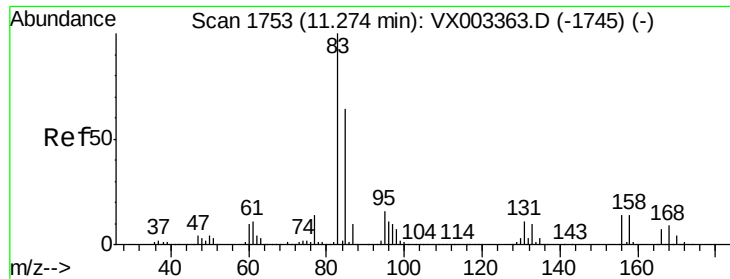
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.59 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

Instrument :

MSVOA_X

ClientSampleId :

VX0713WBSD01

Tot Ion: 83 Resp: 124538

Ion Ratio Lower Upper

83 100

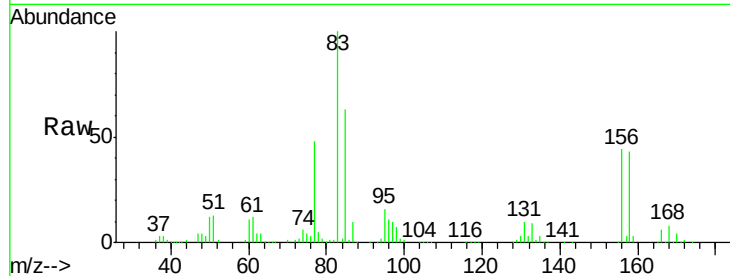
131 10.8 5.6 16.8

85 64.4 32.4 97.2

Manual Integrations
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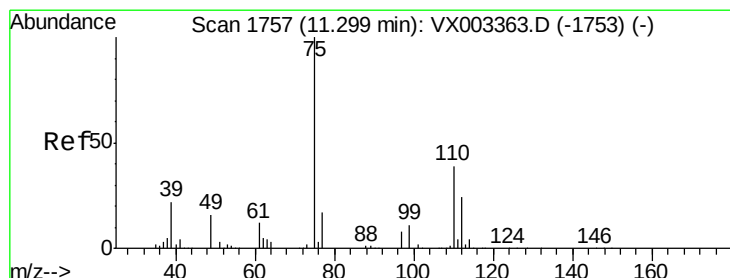
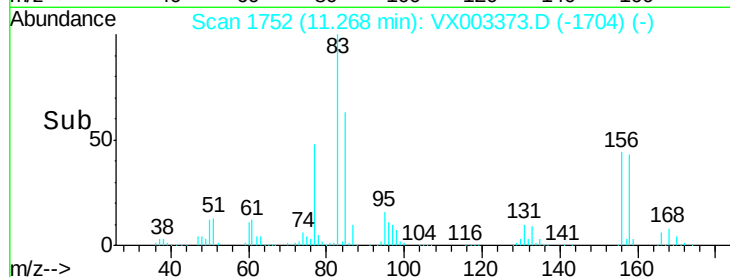
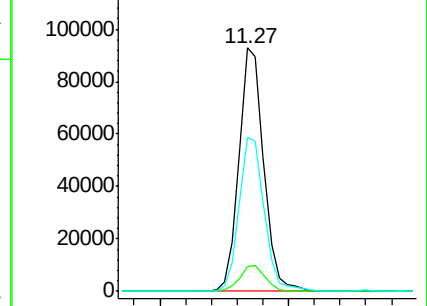
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 25.83 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003373.D

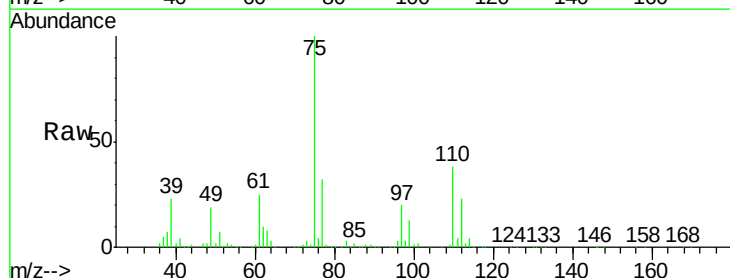
Acq: 13 Jul 2018 20:41

Tgt Ion: 75 Resp: 124637

Ion Ratio Lower Upper

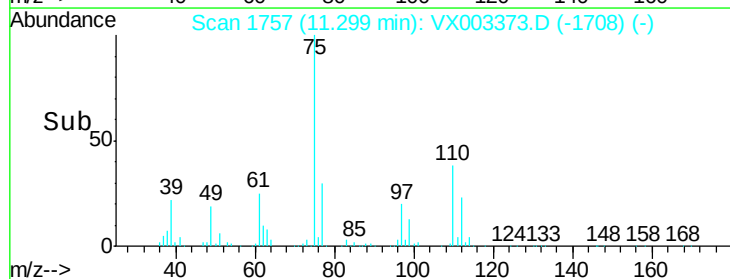
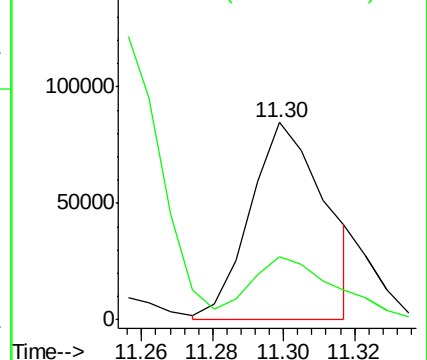
75 100

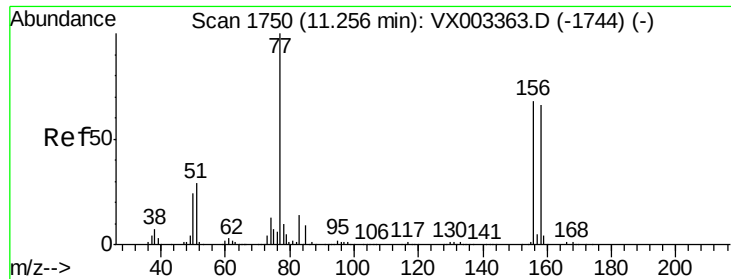
77 36.2 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 22.62 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

Instrument :

MSVOA_X

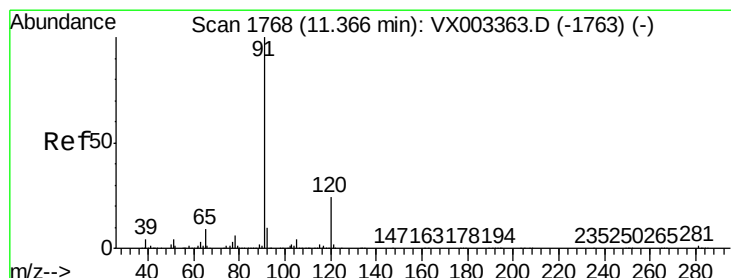
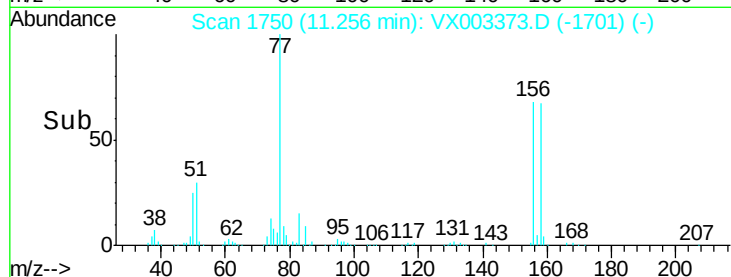
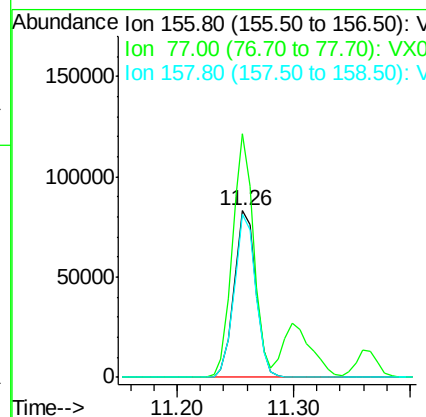
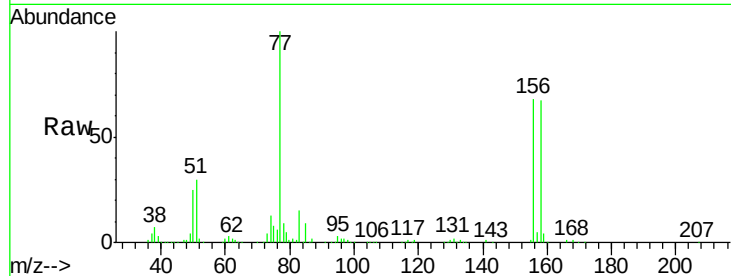
ClientSampleId :

VX0713WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	142.1	71.4	214.2
158	96.6	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 22.85 ug/l

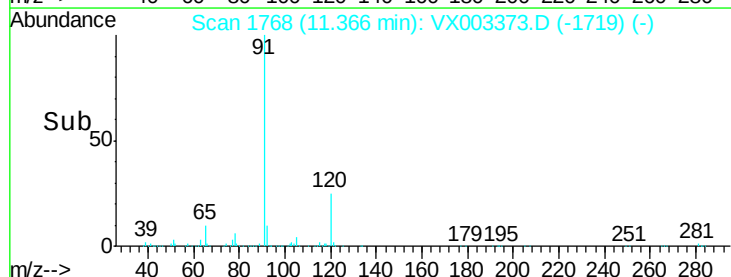
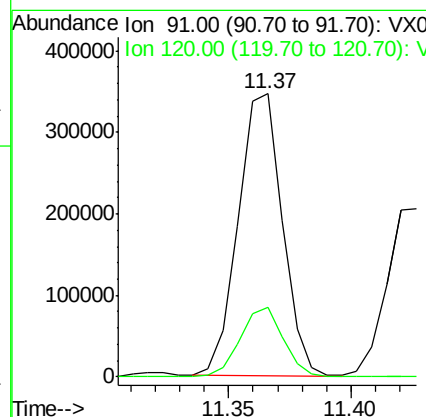
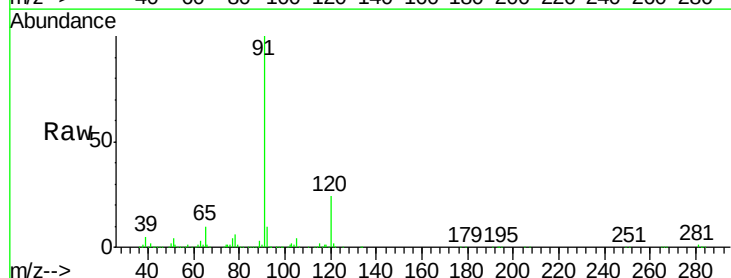
RT: 11.37 min Scan# 1768

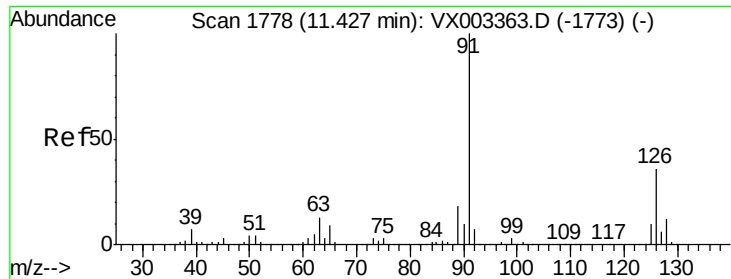
Delta R.T. 0.00 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.8	35.4





#79

2-Chlorotoluene

Concen: 22.58 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

Instrument :

MSVOA_X

ClientSampled :

VX0713WBSD01

Tot Ion: 91 Resp: 266216

Ion Ratio Lower Upper

91 100

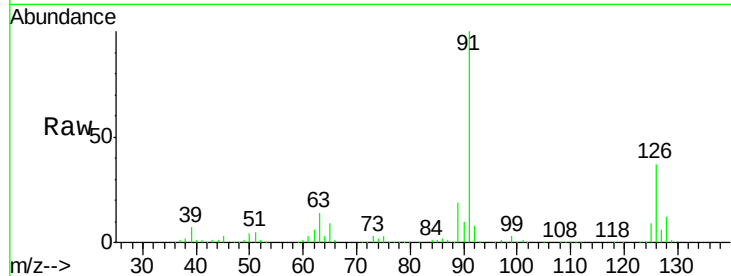
126 35.8 17.7 53.1

Manual Integrations

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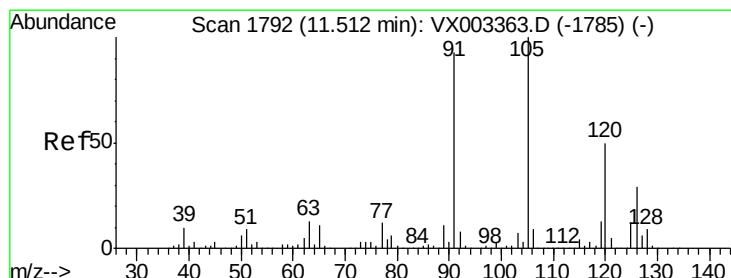
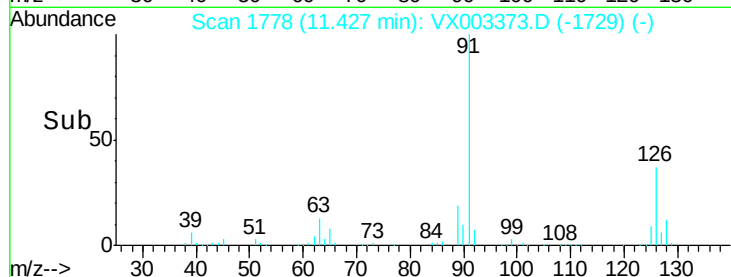
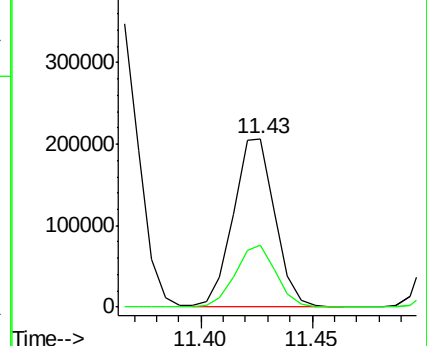
MMDadoda

7/16/2018 11:24:46 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 23.13 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003373.D

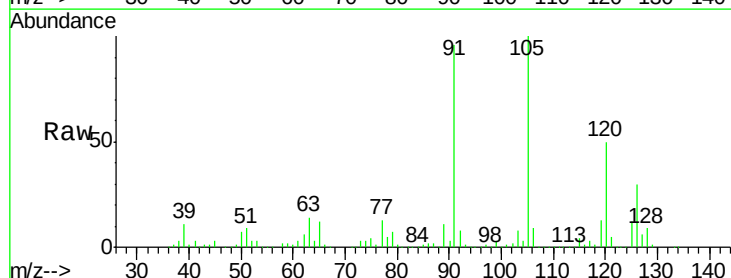
Acq: 13 Jul 2018 20:41

Tgt Ion: 105 Resp: 323769

Ion Ratio Lower Upper

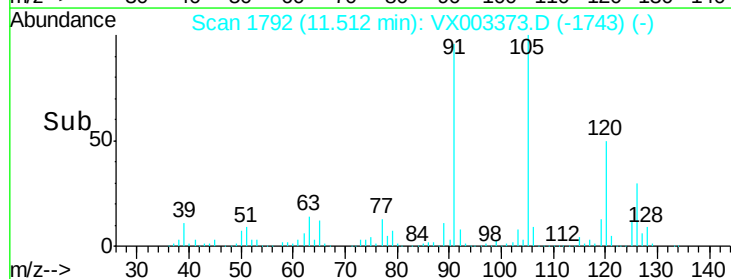
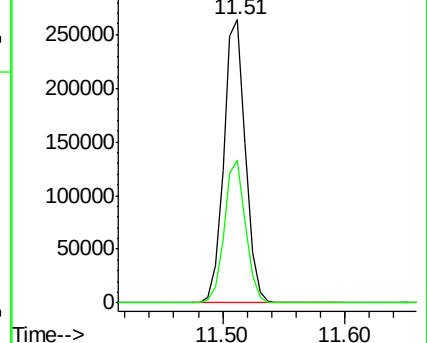
105 100

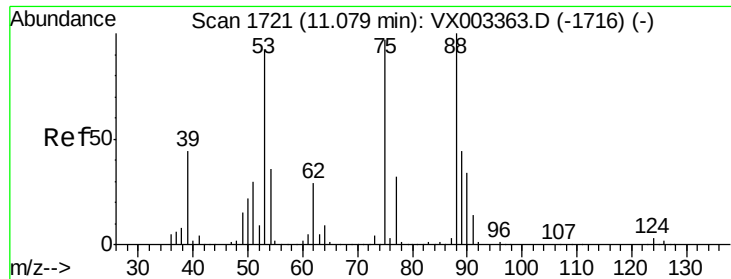
120 49.5 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





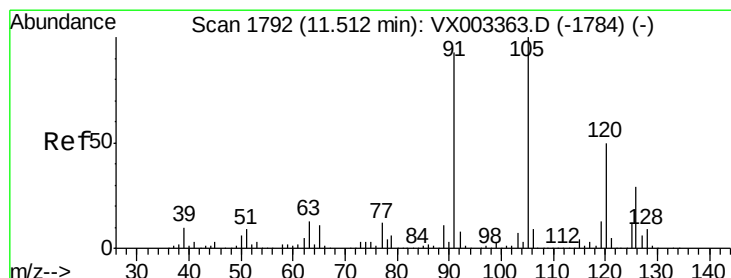
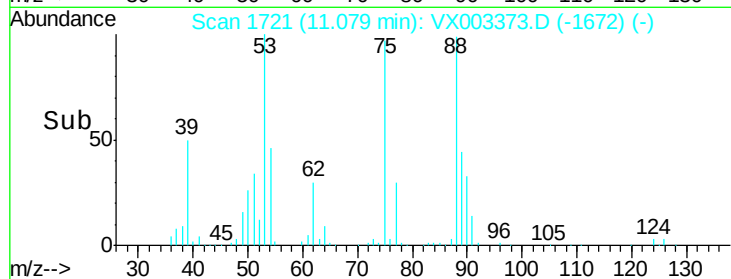
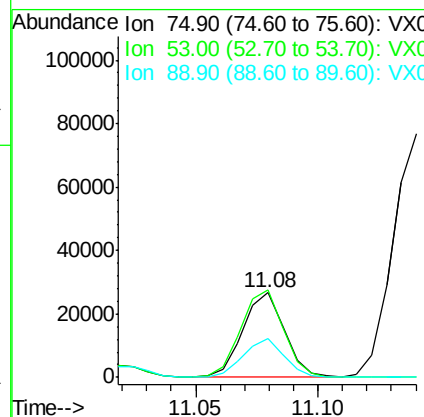
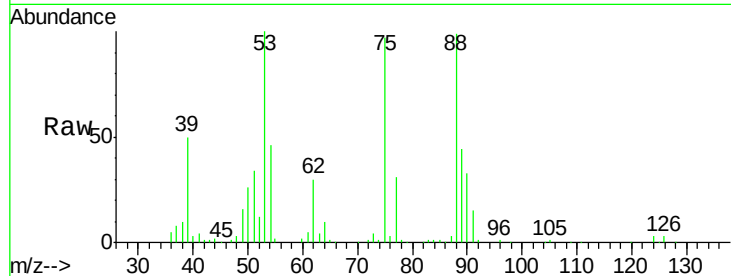
#81
trans-1,4-Dichloro-2-butene
Concen: 21.73 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

Instrument :
MSVOA_X
ClientSampleId :
VX0713WBSD01

Tot Ion: 75 Resp: 31453
Ion Ratio Lower Upper
75 100
53 105.7 86.8 130.2
89 46.2 38.2 57.2

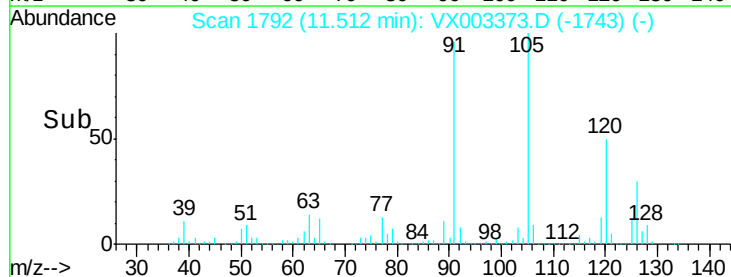
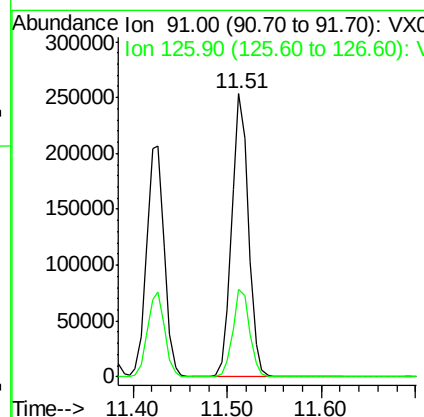
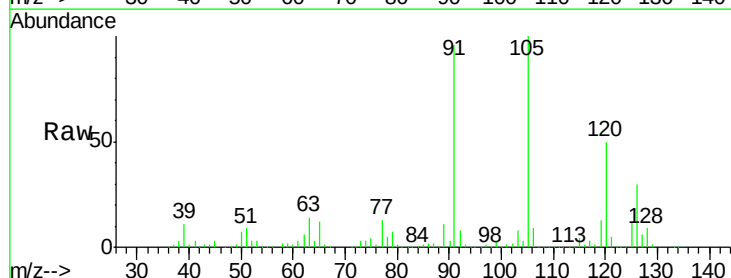
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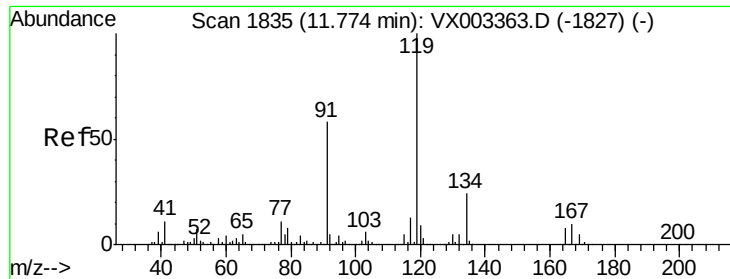
MMDadoda
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#82
4-Chlorotoluene
Concen: 22.72 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

Tgt Ion: 91 Resp: 312046
Ion Ratio Lower Upper
91 100
126 31.2 15.4 46.4





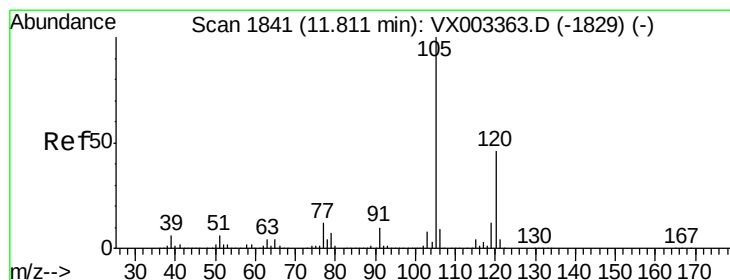
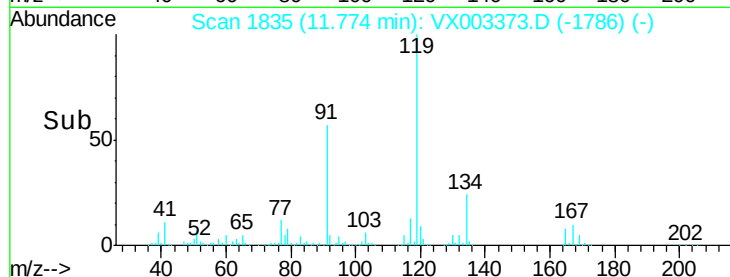
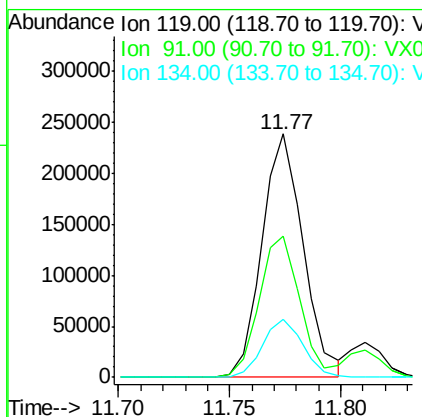
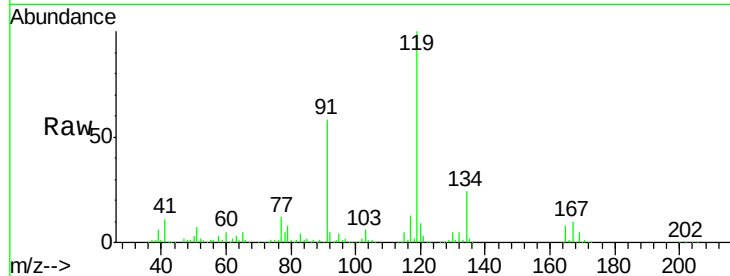
#83
 tert-Butylbenzene
 Concen: 22.21 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003373.D
 Acq: 13 Jul 2018 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0713WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.6	30.3	90.9
134	23.4	11.7	35.1

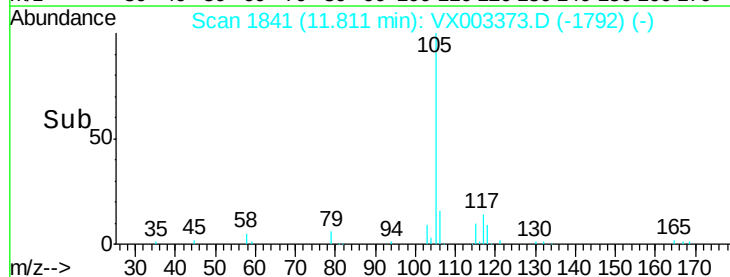
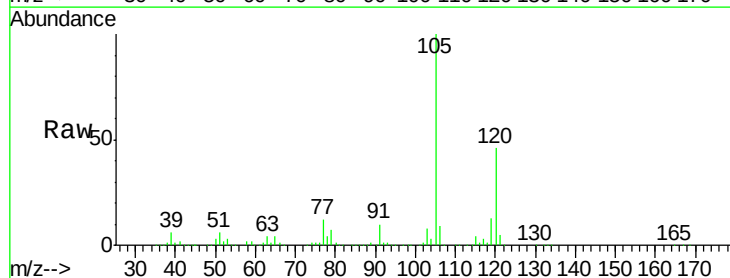
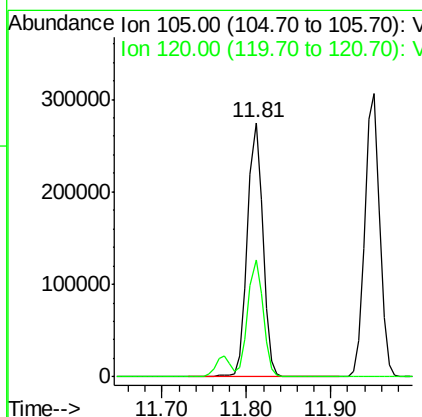
Manual Integrations
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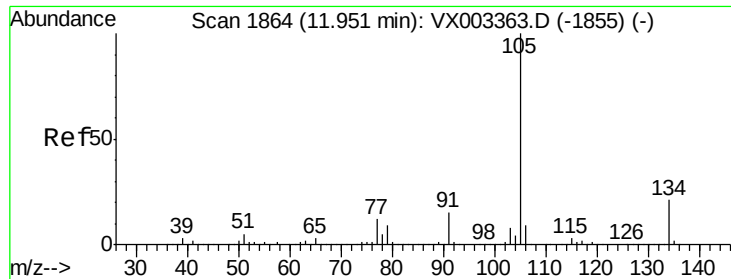
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.44 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003373.D
 Acq: 13 Jul 2018 20:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.3	66.8





#85

sec-Butylbenzene

Concen: 22.75 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

Instrument :

MSVOA_X

ClientSampled :

VX0713WBSD01

Tot Ion:105 Resp: 376822

Ion Ratio Lower Upper

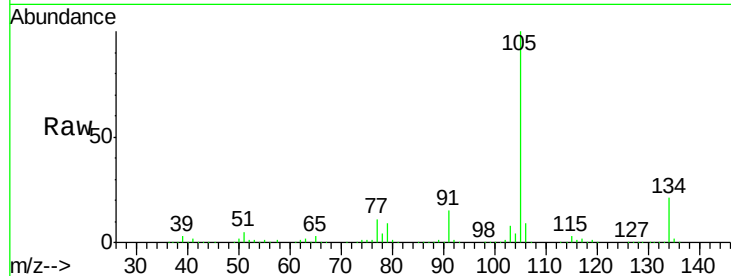
105 100

134 20.3 10.4 31.1

Manual Integrations
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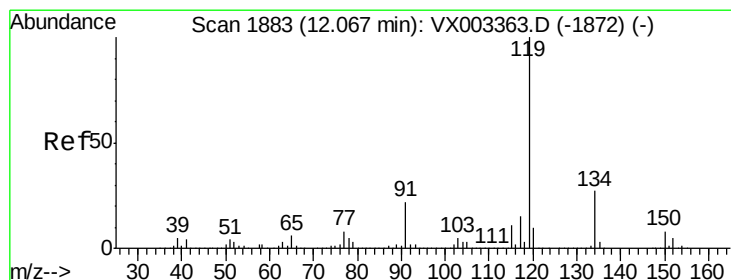
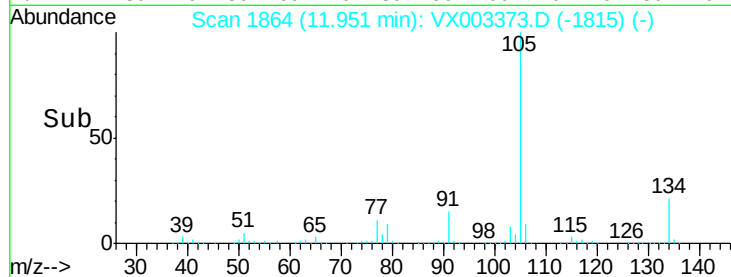
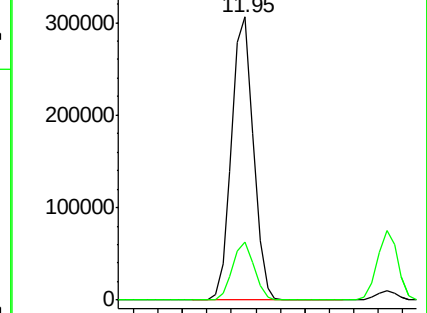
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.44 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

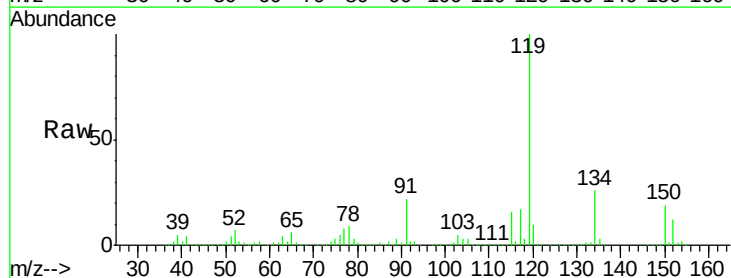
Tgt Ion:119 Resp: 332517

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

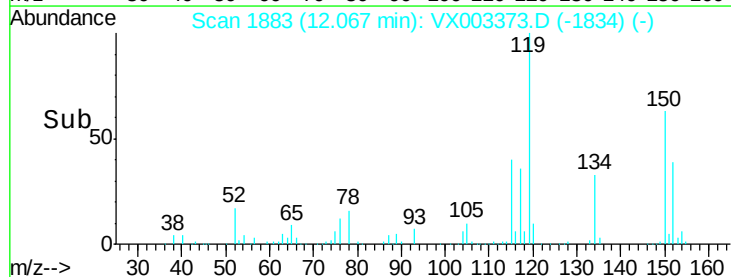
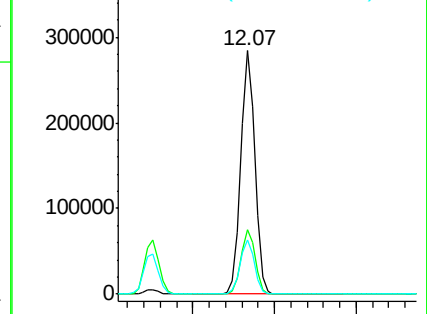
91 22.8 11.9 35.7

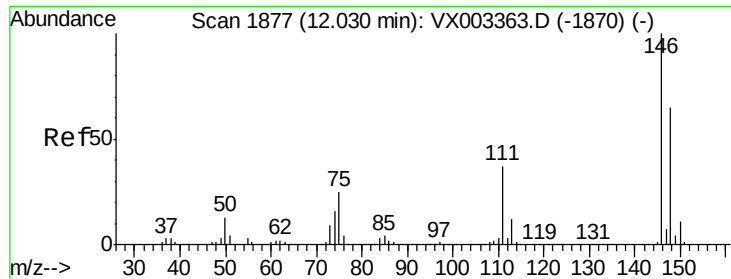


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





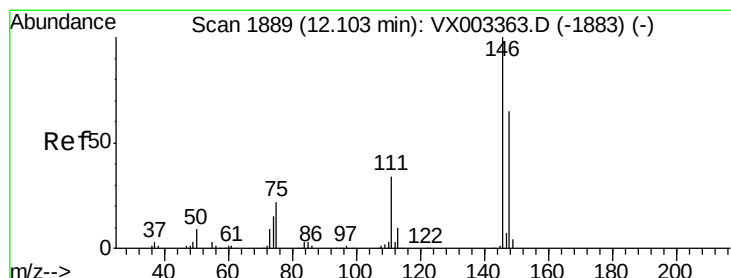
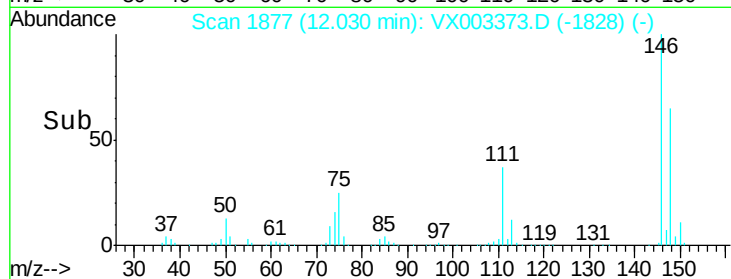
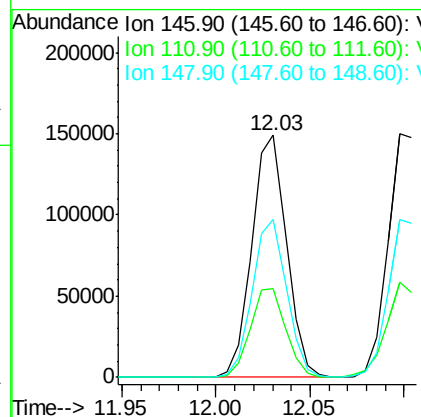
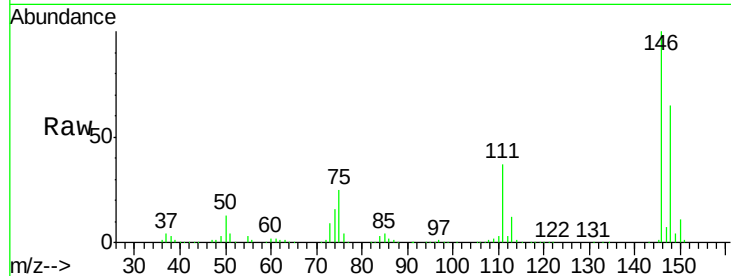
#87
 1,3-Dichlorobenzene
 Concen: 21.39 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003373.D
 Acq: 13 Jul 2018 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0713WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.7
148	64.6	32.1	96.3

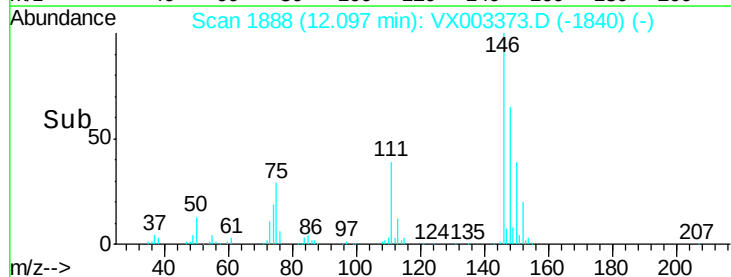
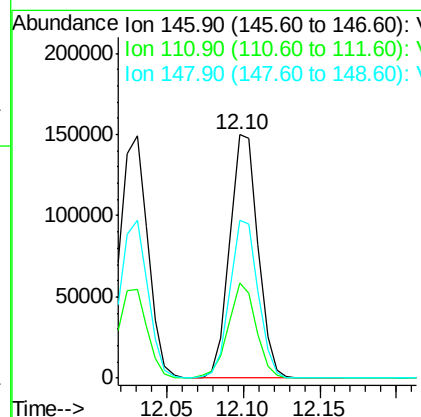
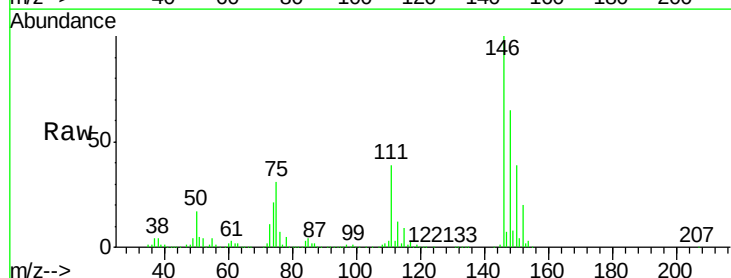
Manual Integrations
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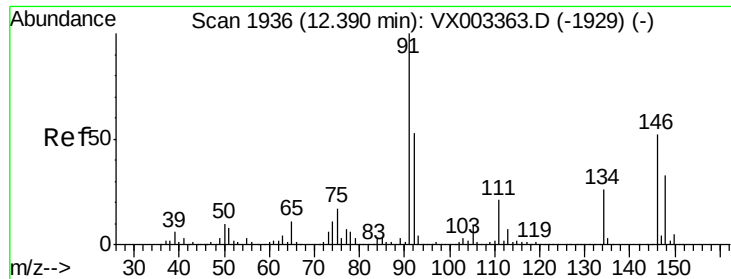
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#88
 1,4-Dichlorobenzene
 Concen: 21.24 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003373.D
 Acq: 13 Jul 2018 20:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.7	56.1
148	64.8	32.4	97.0





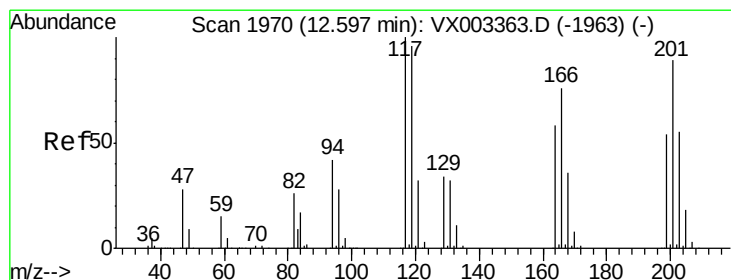
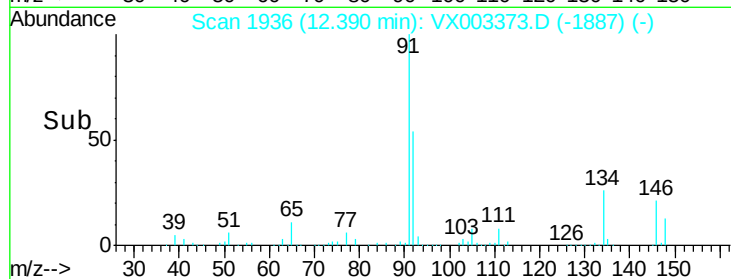
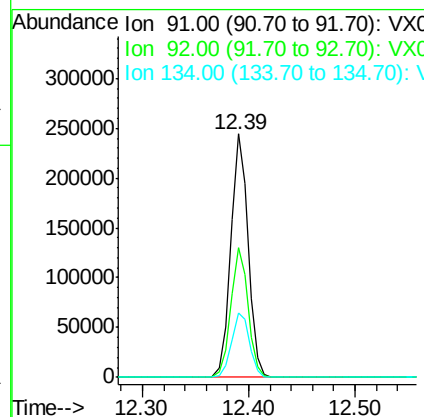
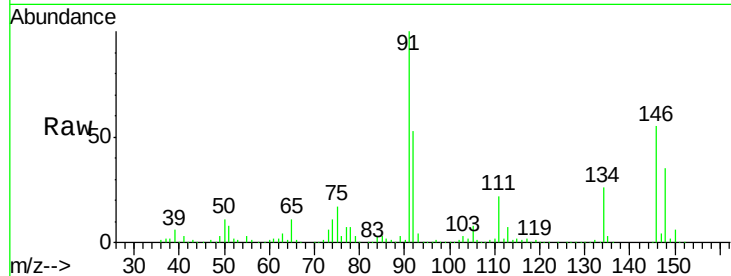
#89
n-Butylbenzene
Concen: 22.00 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

Instrument :
MSVOA_X
ClientSampleId :
VX0713WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.0	78.0
134	27.1	13.5	40.5

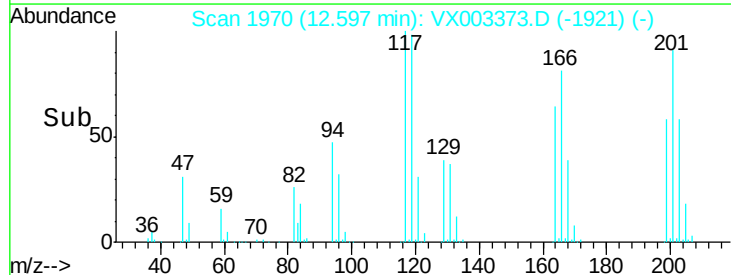
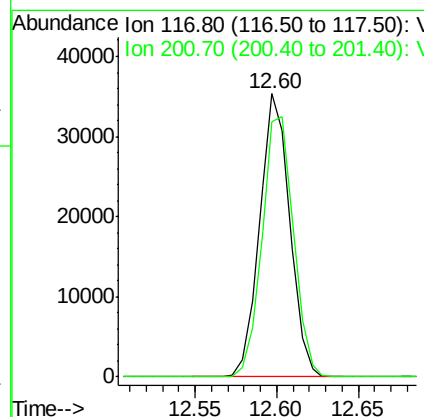
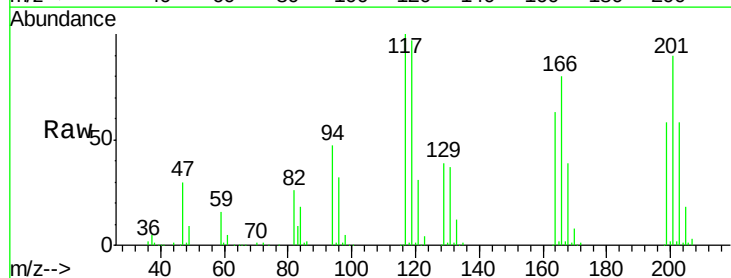
Manual Integrations
APPROVED

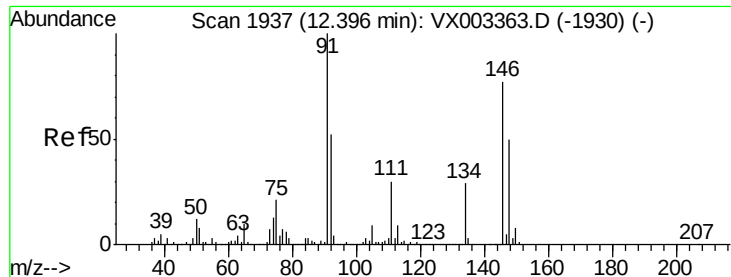
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#90
Hexachloroethane
Concen: 20.39 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003373.D
Acq: 13 Jul 2018 20:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.6	49.0	147.0





#91

1,2-Dichlorobenzene

Concen: 21.78 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

Instrument :

MSVOA_X

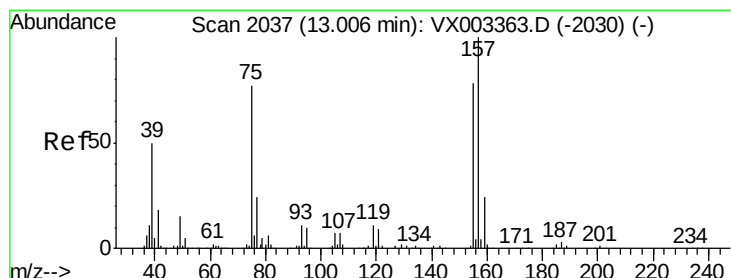
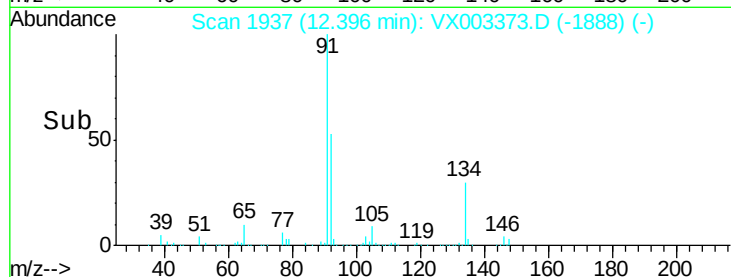
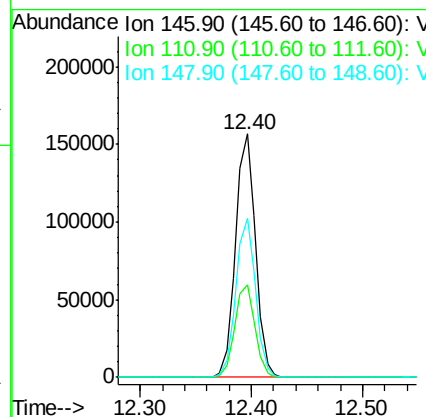
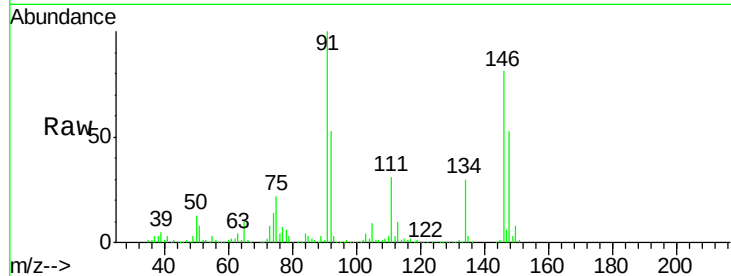
ClientSampleId :

VX0713WBSD01

Tot Ion:	146	Resp:	194205
Ion Ratio	Lower	Upper	
146	100		
111	38.4	19.4	58.1
148	64.5	31.7	95.1

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 22.31 ug/l

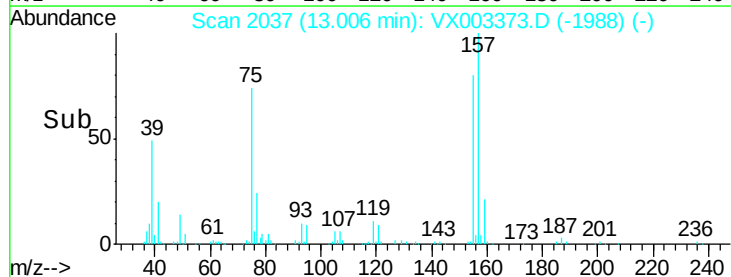
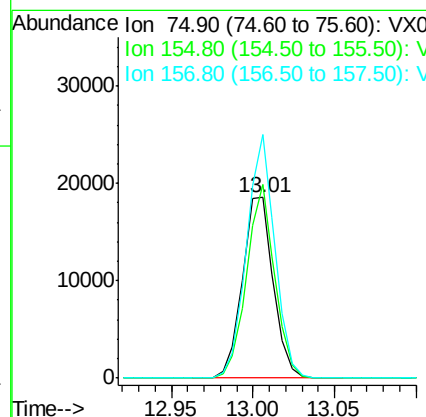
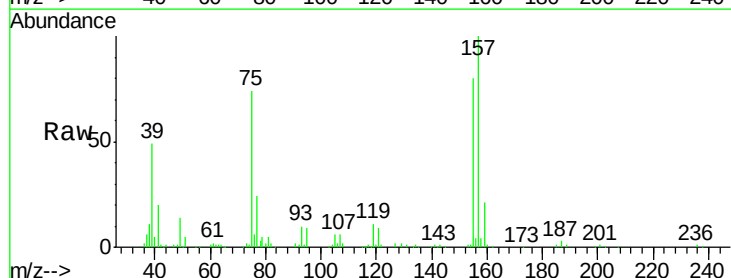
RT: 13.01 min Scan# 2037

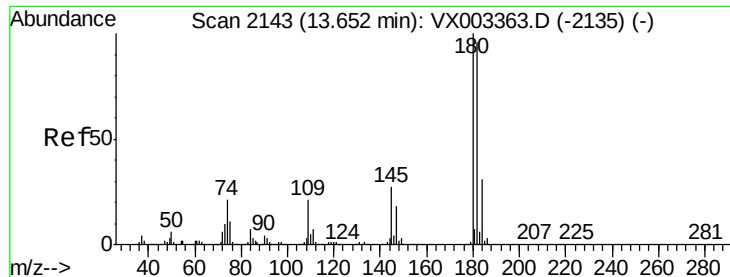
Delta R.T. 0.00 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

Tgt Ion:	75	Resp:	24396
Ion Ratio	Lower	Upper	
75	100		
155	97.2	45.8	137.4
157	123.5	60.1	180.3





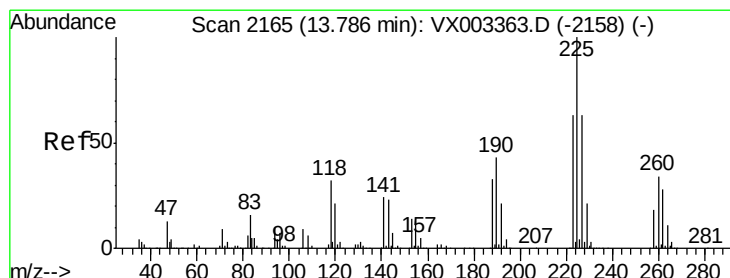
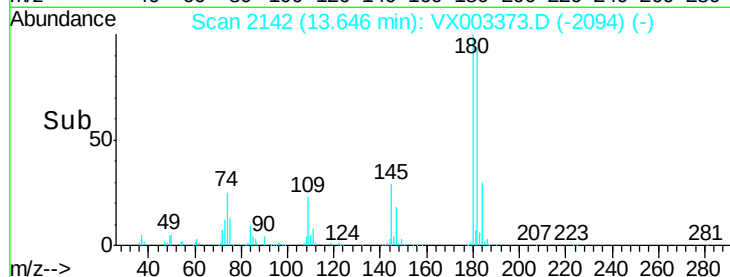
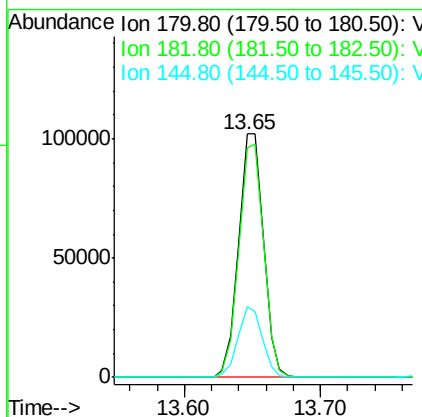
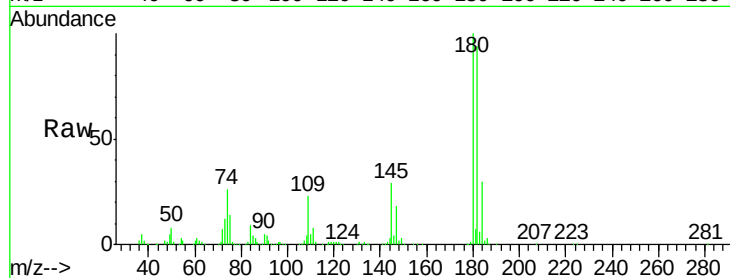
#93
 1,2,4-Trichlorobenzene
 Concen: 21.34 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: VX003373.D
 Acq: 13 Jul 2018 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0713WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	130157		
182	95.6	47.7	143.1	
145	28.1	14.1	42.4	

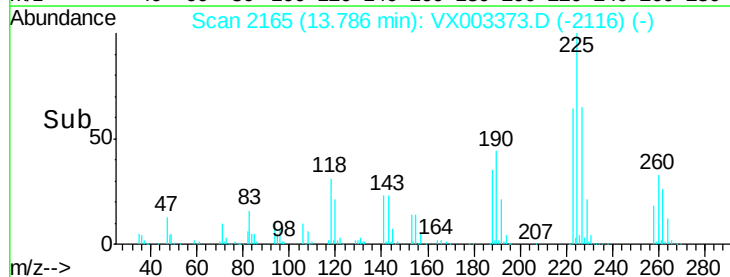
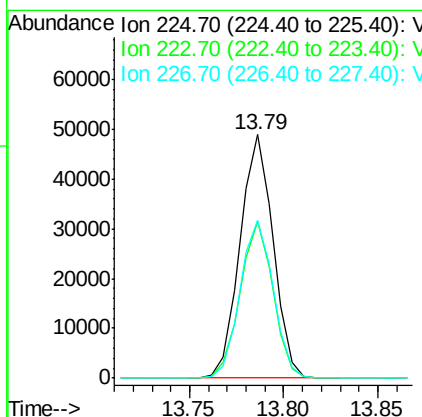
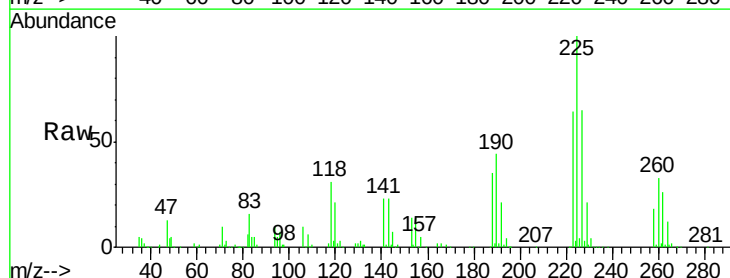
Manual Integrations
 APPROVED

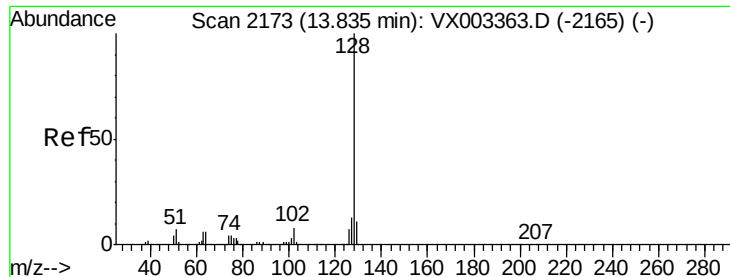
MMDadoda
 7/16/2018 11:24:46 AM



#94
 Hexachlorobutadiene
 Concen: 20.63 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003373.D
 Acq: 13 Jul 2018 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59390		
223	63.9	31.6	95.0	
227	64.7	32.4	97.2	





#95

Naphthalene

Concen: 22.87 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.01 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

Instrument :

MSVOA_X

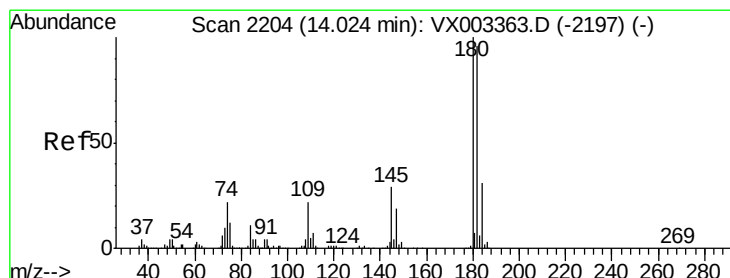
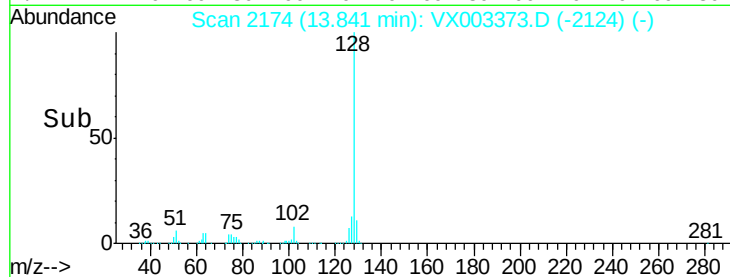
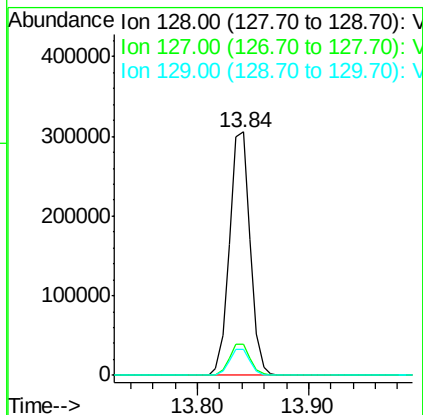
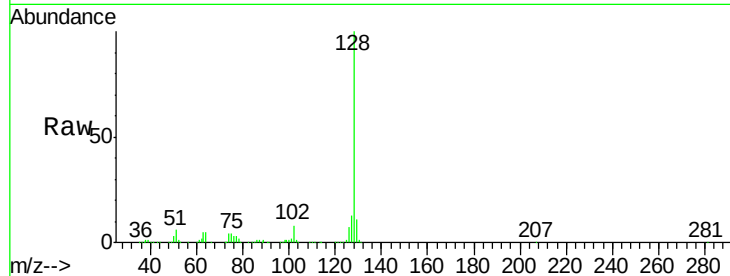
ClientSampleId :

VX0713WBSD01

Tot Ion:	128	Resp:	391043
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/16/2018 11:24:46 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.93 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003373.D

Acq: 13 Jul 2018 20:41

Tgt Ion:	180	Resp:	135035
Ion Ratio	Lower	Upper	
180	100		
182	95.1	48.0	144.0
145	29.4	14.8	44.3

