

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082218\
 Data File : VX004192.D
 Acq On : 22 Aug 2018 11:15
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/23/2018 9:39:48 AM

Quant Time: Aug 23 04:49:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 04:40:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	325042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	468288	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	415526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	270123	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	80521	19.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.02%	
35) Dibromofluoromethane	5.50	113	68012	19.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.04%	
50) Toluene-d8	8.71	98	255012	19.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.78%	
62) 4-Bromofluorobenzene	11.14	95	92155	18.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	82303	21.86	ug/l	98
3) Chloromethane	1.32	50	85871	19.57	ug/l	97
4) Vinyl Chloride	1.40	62	88280	20.73	ug/l	99
5) Bromomethane	1.64	94	46637	18.09	ug/l	94
6) Chloroethane	1.72	64	57964	17.71	ug/l	99
7) Trichlorofluoromethane	1.93	101	116354	19.94	ug/l	94
8) Diethyl Ether	2.19	74	48876	19.56	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	72969	19.96	ug/l	98
10) Methyl Iodide	2.51	142	69354	18.45	ug/l	100
11) Tert butyl alcohol	3.07	59	91461	101.28	ug/l	100
12) 1,1-Dichloroethene	2.37	96	67254	19.53	ug/l	99
13) Acrolein	2.29	56	20895	95.97	ug/l	94
14) Allyl chloride	2.73	41	126425	19.98	ug/l	99
15) Acrylonitrile	3.15	53	216599	96.85	ug/l	99
16) Acetone	2.45	43	183843	91.34	ug/l	100
17) Carbon Disulfide	2.57	76	186554	18.43	ug/l	100
18) Methyl Acetate	2.78	43	129806	20.65	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	223017	19.65	ug/l	97
20) Methylene Chloride	2.86	84	78429	19.23	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	72789	19.10	ug/l	94
22) Diisopropyl ether	3.87	45	227331	19.25	ug/l	99
23) Vinyl Acetate	3.82	43	946043	98.81	ug/l	100
24) 1,1-Dichloroethane	3.70	63	138600	20.13	ug/l	98
25) 2-Butanone	4.70	43	288638	91.81	ug/l	100
26) 2,2-Dichloropropane	4.59	77	109275	20.24	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	84915	19.64	ug/l	100
28) Bromochloromethane	5.02	49	60979	20.01	ug/l	98
29) Tetrahydrofuran	5.16	42	176252	96.83	ug/l	99
30) Chloroform	5.21	83	133897	19.40	ug/l	98
31) Cyclohexane	5.57	56	116275	19.58	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	113025	19.64	ug/l	99
36) 1,1-Dichloropropene	5.80	75	101891	19.35	ug/l	98
37) Ethyl Acetate	4.85	43	103322	19.96	ug/l	99
38) Carbon Tetrachloride	5.78	117	98486	19.89	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	114754	19.09	ug/l	99
40) Benzene	6.14	78	315384	20.05	ug/l	98
41) Methacrylonitrile	5.06	41	58843	19.61	ug/l	99
42) 1,2-Dichloroethane	6.20	62	107566	20.05	ug/l	99
43) Isopropyl Acetate	6.46	43	154721	19.45	ug/l	100
44) Trichloroethene	7.21	130	84461	19.40	ug/l	100
45) 1,2-Dichloropropane	7.52	63	78318	19.89	ug/l	98
46) Dibromomethane	7.67	93	51493	19.64	ug/l	99
47) Bromodichloromethane	7.90	83	96419	19.77	ug/l	99
48) Methyl methacrylate	7.77	41	83134	19.53	ug/l	99
49) 1,4-Dioxane	7.76	88	38493	398.25	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	544816	94.25	ug/l	99
52) Toluene	8.79	92	198595	20.17	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	103897	19.28	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	116581	19.87	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	78369	19.72	ug/l	98
56) Ethyl methacrylate	9.18	69	104326	19.28	ug/l	100
57) 1,3-Dichloropropane	9.37	76	134417	20.06	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	263638	95.08	ug/l	100
59) 2-Hexanone	9.49	43	413800	93.83	ug/l	99
60) Dibromochloromethane	9.59	129	75038	19.38	ug/l	100
61) 1,2-Dibromoethane	9.67	107	81383	19.78	ug/l	99
64) Tetrachloroethene	9.34	164	79991	19.49	ug/l	99
65) Chlorobenzene	10.14	112	198990	19.08	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	70626	19.64	ug/l	99
67) Ethyl Benzene	10.25	91	335397	19.80	ug/l	100
68) m/p-Xylenes	10.36	106	265735	40.13	ug/l	100
69) o-Xylene	10.70	106	122157	19.50	ug/l	97
70) Styrene	10.71	104	201562	19.87	ug/l	97
71) Bromoform	10.86	173	53244	18.36	ug/l	99
73) Isopropylbenzene	11.02	105	361633	20.38	ug/l	99
74) N-amyl acetate	10.90	43	131155	19.20	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	120732	19.45	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	112998m	21.19	ug/l	
77) Bromobenzene	11.26	156	94696	19.03	ug/l	96
78) n-propylbenzene	11.36	91	418085	20.49	ug/l	100
79) 2-Chlorotoluene	11.42	91	249133	19.84	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	292990	19.94	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	31504	18.61	ug/l	96
82) 4-Chlorotoluene	11.51	91	293103	19.83	ug/l	99
83) tert-Butylbenzene	11.77	119	294568	19.93	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	314981	20.89	ug/l	100
85) sec-Butylbenzene	11.94	105	354618	20.21	ug/l	99
86) p-Isopropyltoluene	12.07	119	320810	20.40	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	177754	18.97	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	184823	18.76	ug/l	98
89) n-Butylbenzene	12.39	91	250464	19.58	ug/l	97
90) Hexachloroethane	12.60	117	41482	18.87	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	165745	19.35	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20741	18.97	ug/l	99

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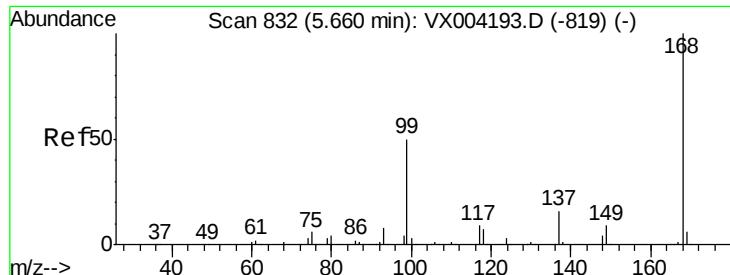
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	112196	18.01	ug/l	98
94) Hexachlorobutadiene	13.79	225	56206	18.37	ug/l	97
95) Naphthalene	13.83	128	340321	19.31	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	126739	19.21	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 325042

Ion Ratio Lower Upper

168 100

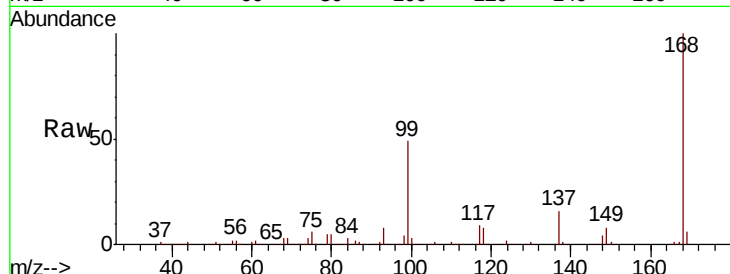
99 48.6 39.9 59.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

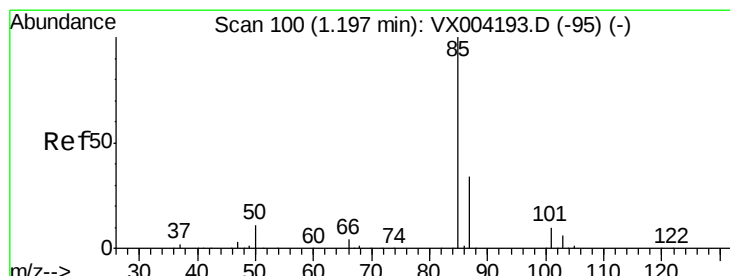
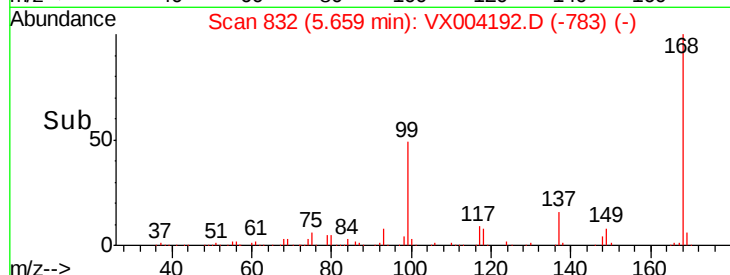
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 21.86 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004192.D

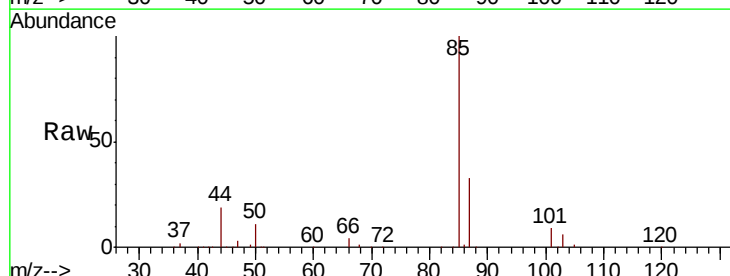
Acq: 22 Aug 2018 11:15

Tgt Ion: 85 Resp: 82303

Ion Ratio Lower Upper

85 100

87 32.7 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

60000

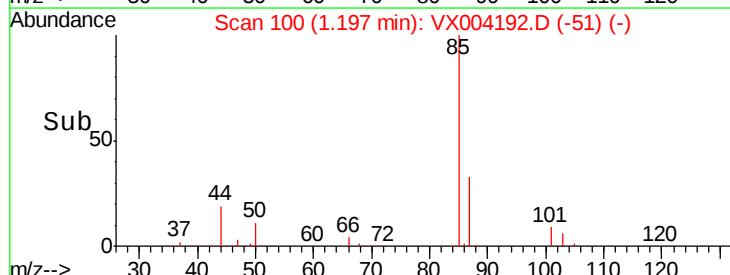
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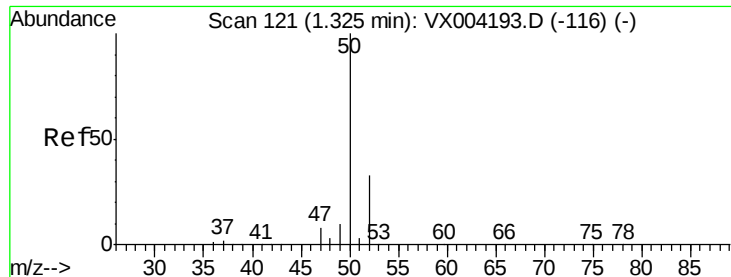
20000

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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 19.57 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 85871

Ion Ratio Lower Upper

50 100

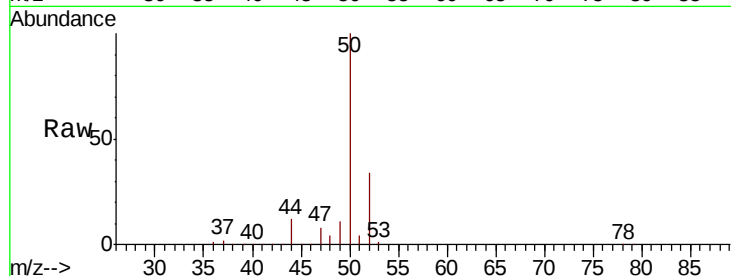
52 34.3 26.2 39.2

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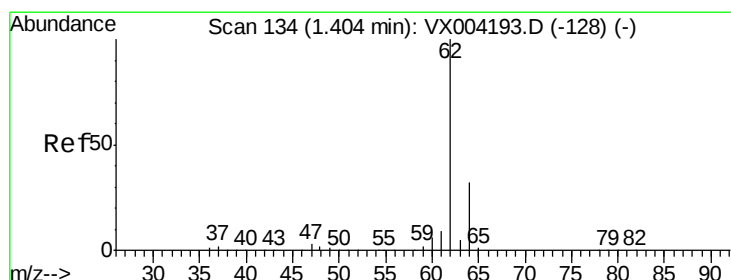
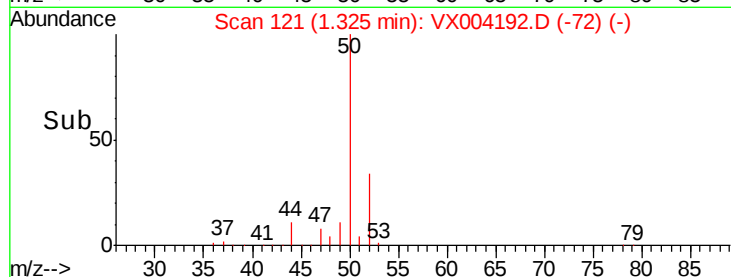
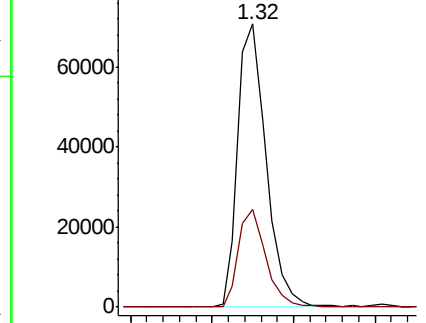
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.73 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004192.D

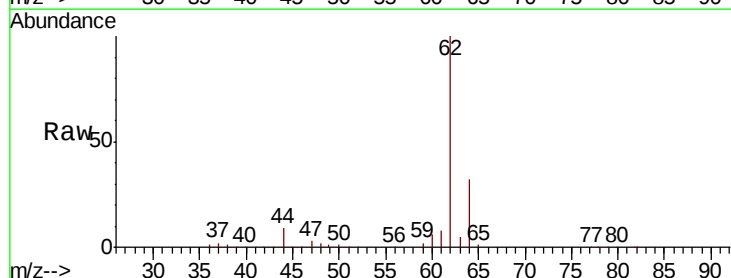
Acq: 22 Aug 2018 11:15

Tgt Ion: 62 Resp: 88280

Ion Ratio Lower Upper

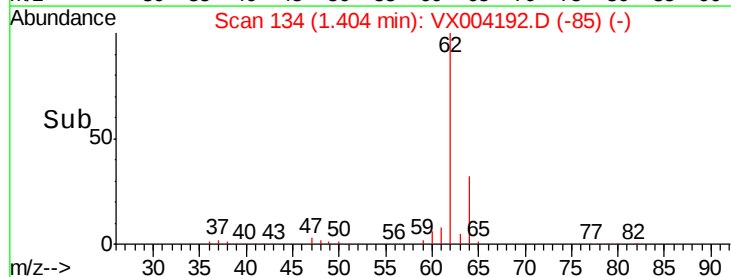
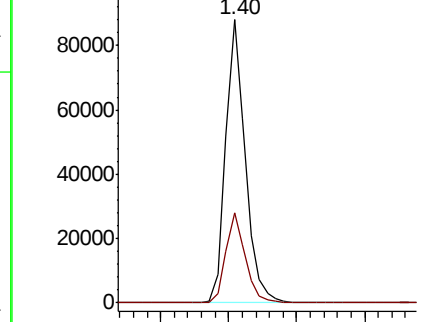
62 100

64 32.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.09 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 46637

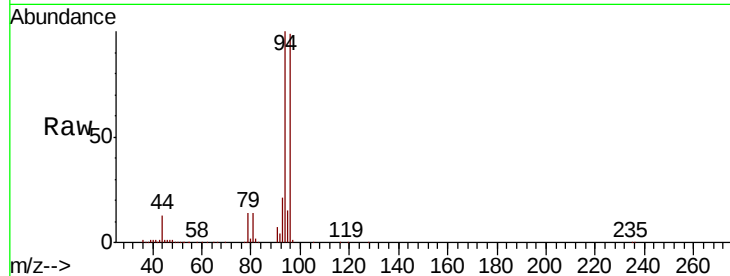
Ion Ratio Lower Upper

94 100

96 99.3 74.5 111.7

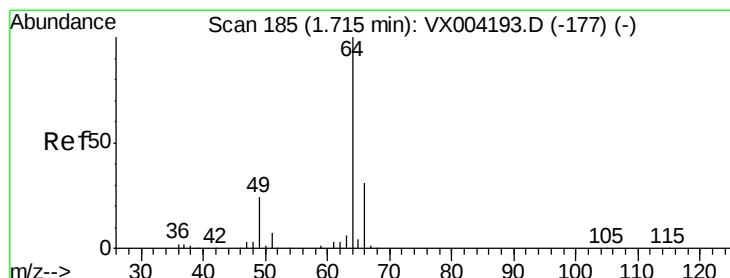
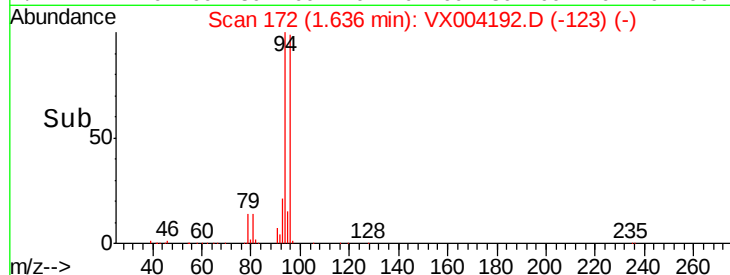
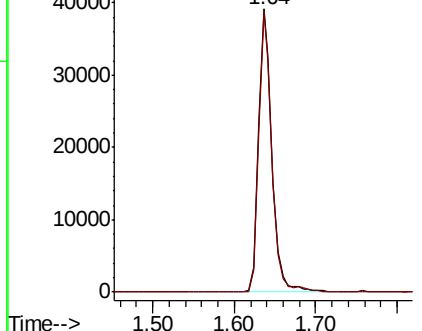
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.71 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX004192.D

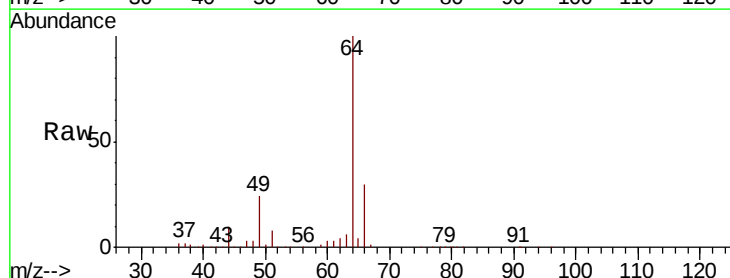
Acq: 22 Aug 2018 11:15

Tgt Ion: 64 Resp: 57964

Ion Ratio Lower Upper

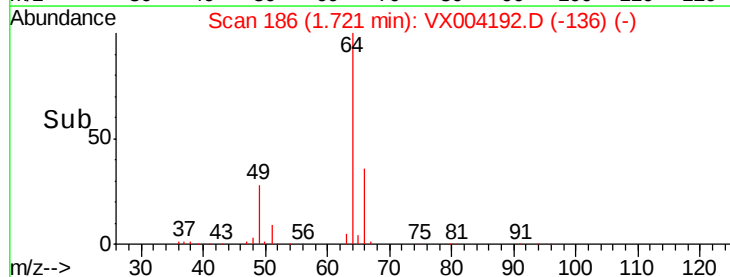
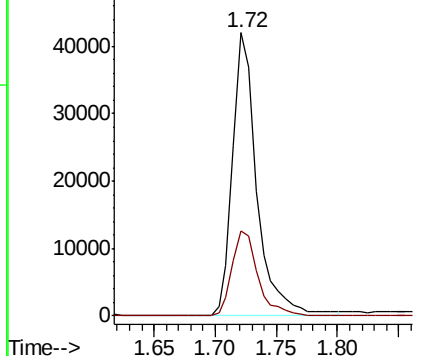
64 100

66 30.0 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

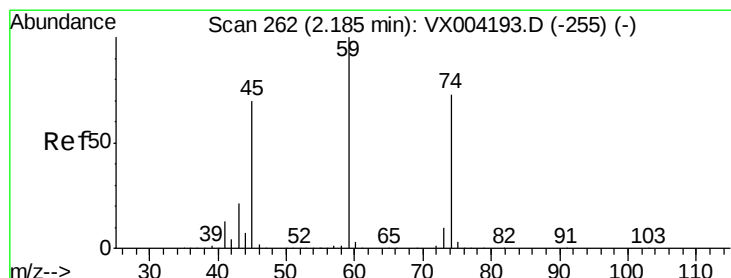
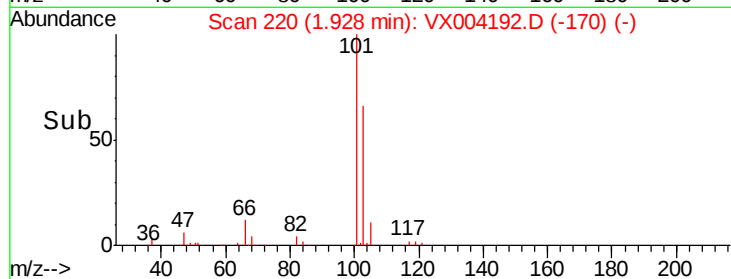
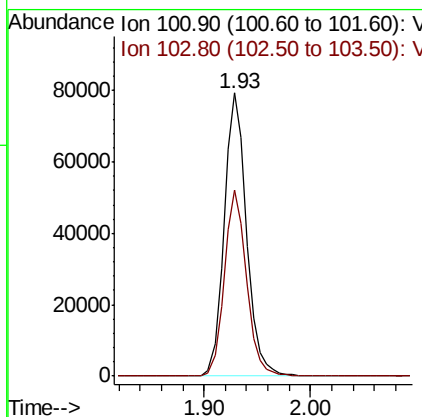
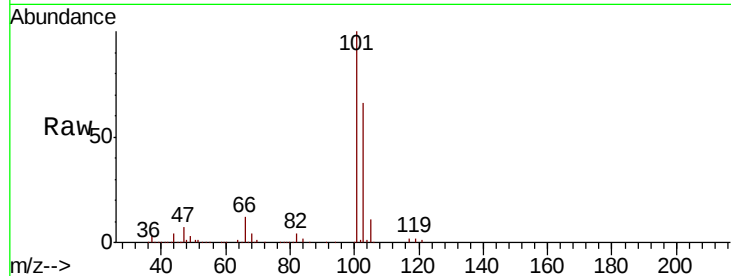
Trichlorofluoromethane
 Concen: 19.94 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX004192.D
 Acq: 22 Aug 2018 11:15

Instrument :
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 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	48.9	73.3

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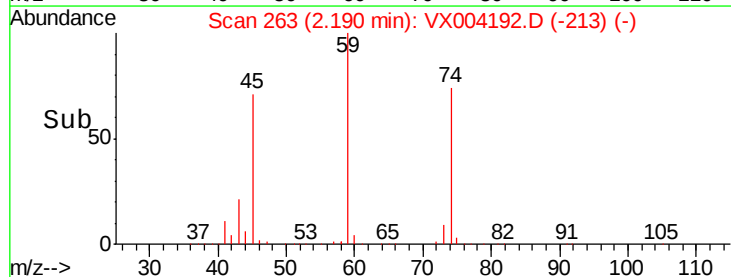
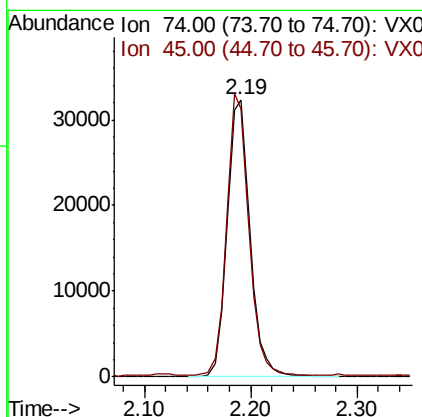
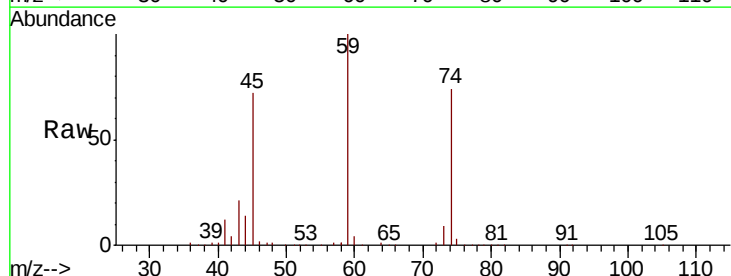
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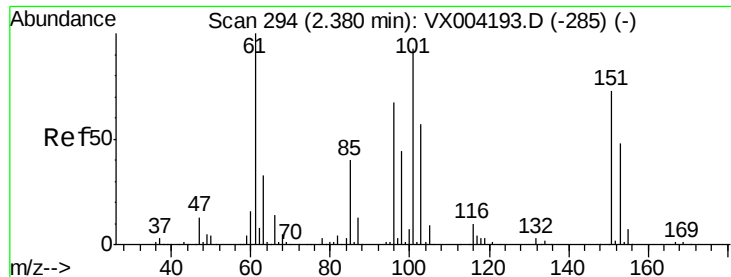


#8

Diethyl Ether
 Concen: 19.56 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.01 min
 Lab File: VX004192.D
 Acq: 22 Aug 2018 11:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.6	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.96 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

Instrument :

MSVOA_X

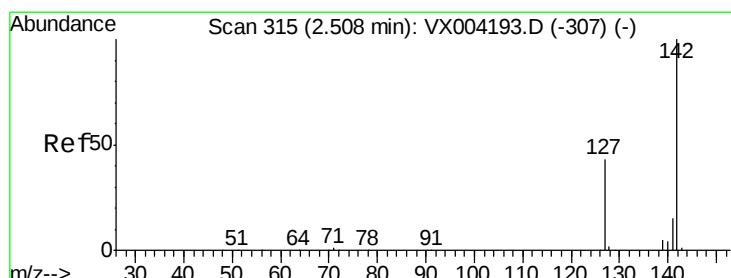
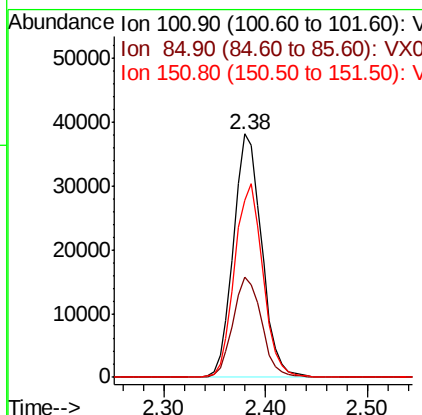
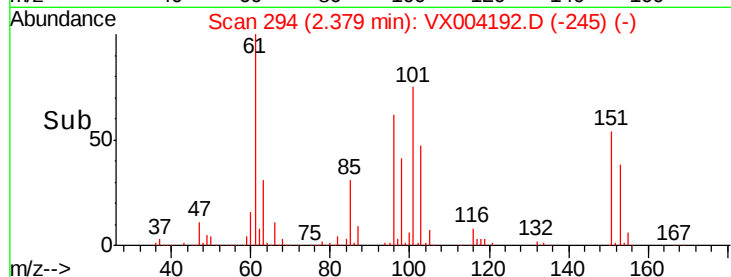
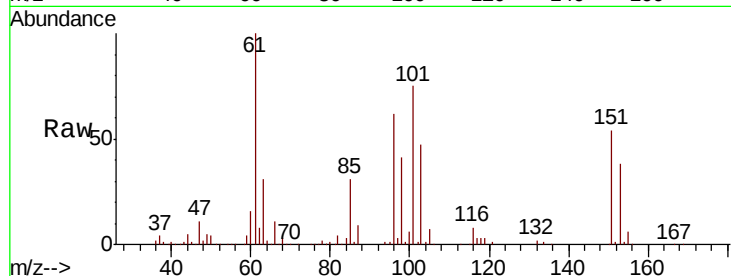
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	72969
Ion Ratio	Lower	Upper	
101	100		
85	41.8	34.2	51.4
151	79.9	65.0	97.6

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#10

Methyl Iodide

Concen: 18.45 ug/l

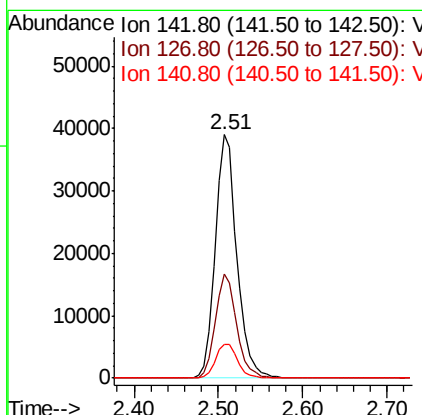
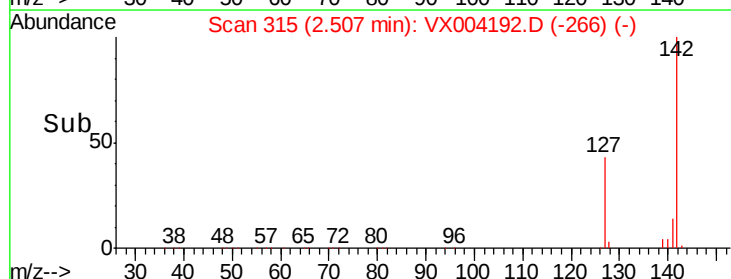
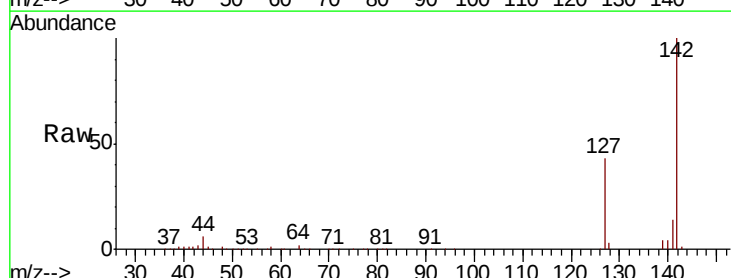
RT: 2.51 min Scan# 315

Delta R.T. -0.00 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

Tgt Ion:	142	Resp:	69354
Ion Ratio	Lower	Upper	
142	100		
127	42.0	33.8	50.6
141	14.5	11.4	17.0





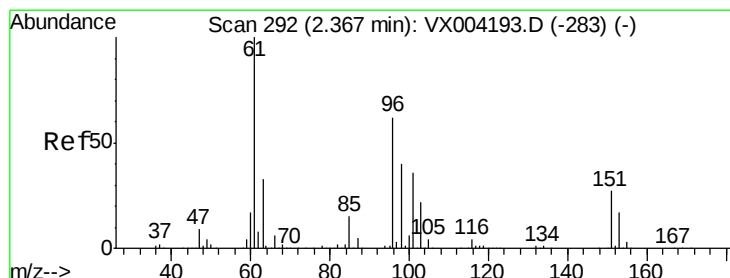
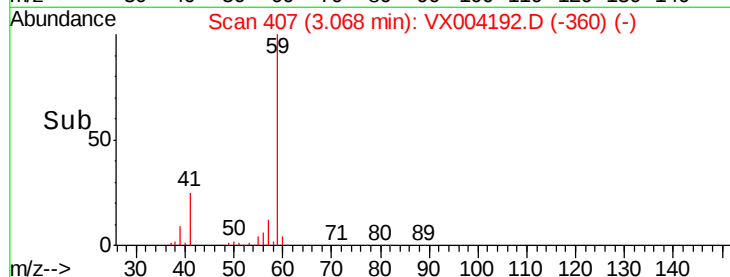
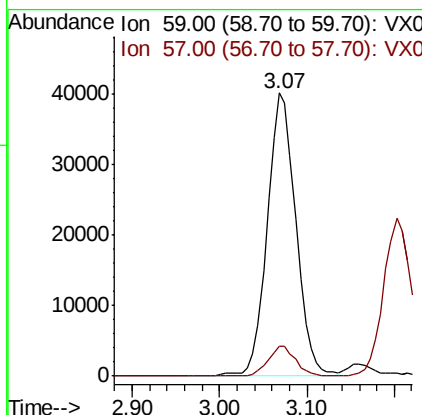
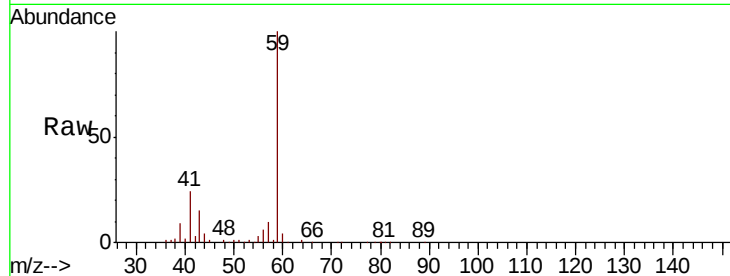
#11
Tert butyl alcohol
Concen: 101.28 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

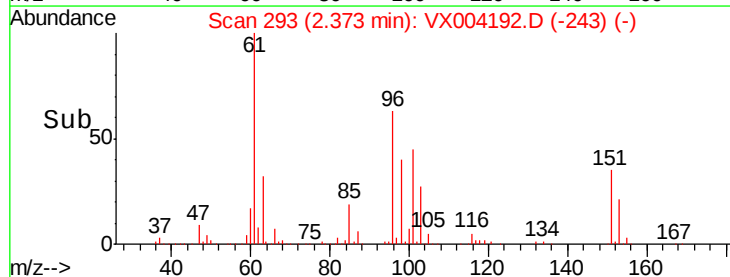
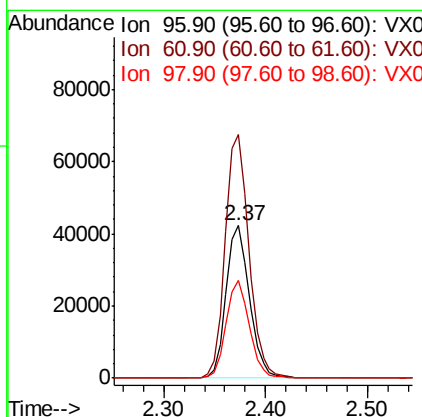
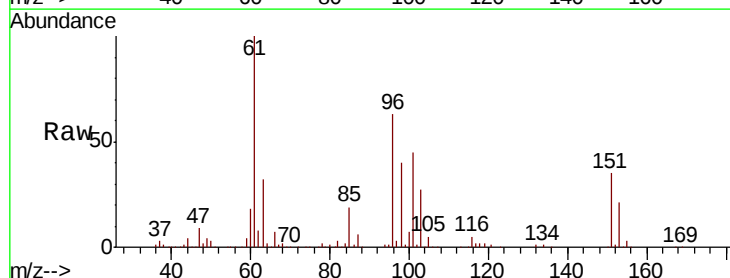
Manual Integrations
APPROVED

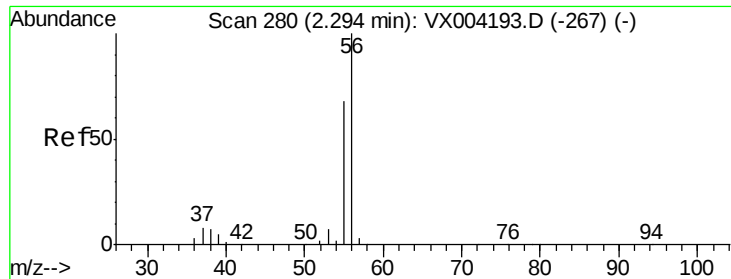
MMDadoda
8/23/2018 9:39:48 AM



#12
1,1-Dichloroethene
Concen: 19.53 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.6	128.8	193.2
98	63.8	52.2	78.2





#13

Acrolein

Concen: 95.97 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 20895

Ion Ratio Lower Upper

56 100

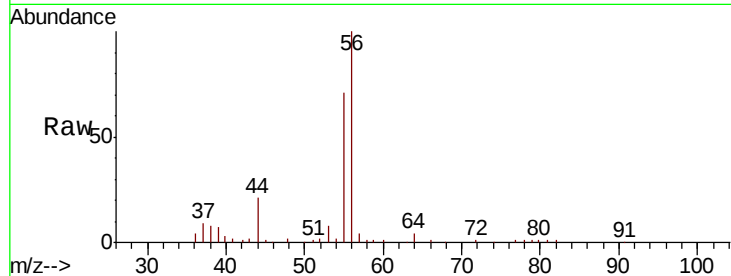
55 73.6 54.7 82.1

Manual Integrations

APPROVED

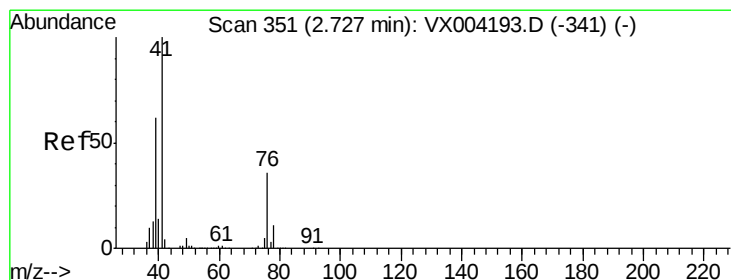
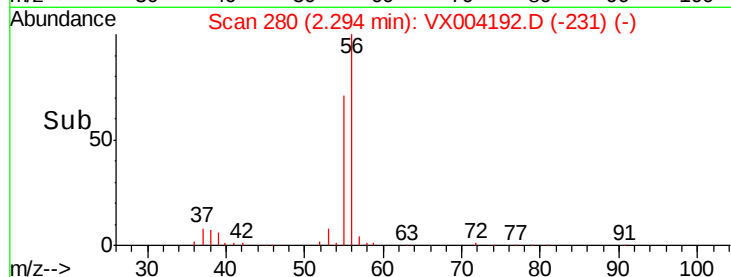
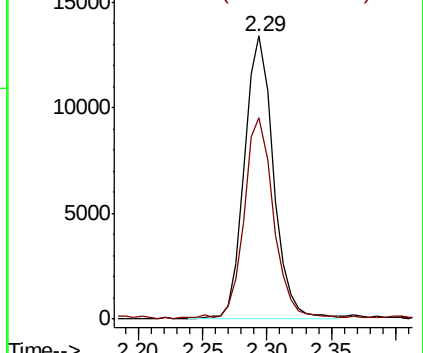
MMDadoda

8/23/2018 9:39:48 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.98 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

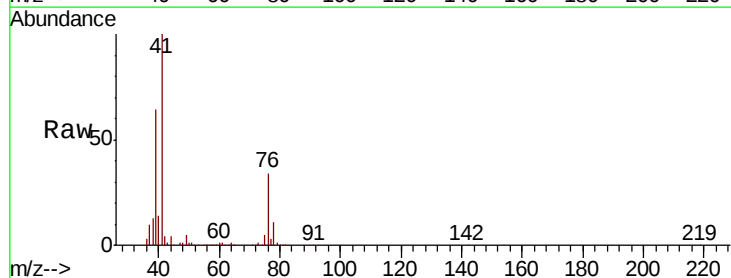
Tgt Ion: 41 Resp: 126425

Ion Ratio Lower Upper

41 100

39 60.2 48.9 73.3

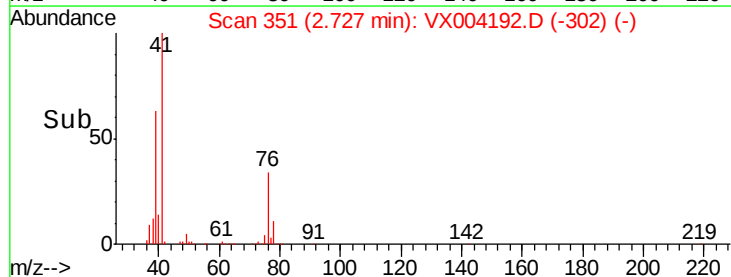
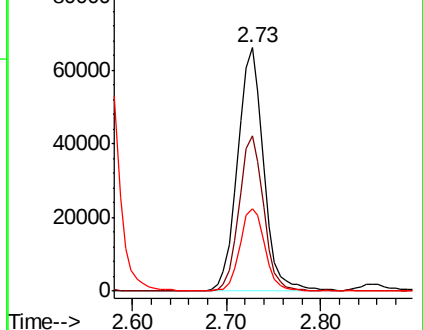
76 32.8 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 96.85 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

Instrument :

MSVOA_X

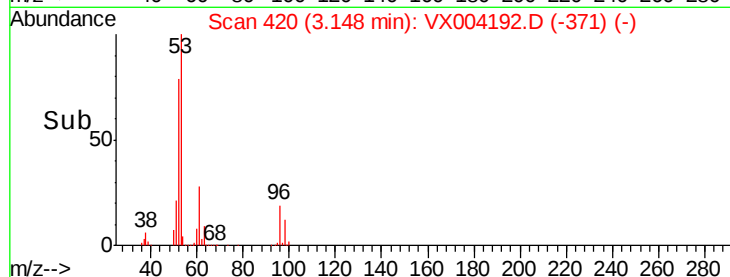
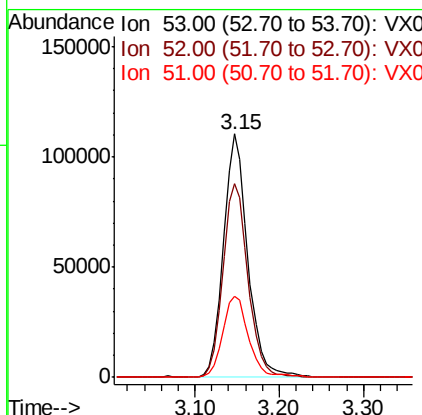
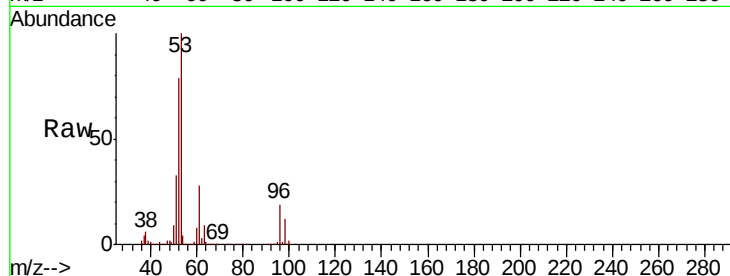
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	216599
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.2	97.8
51	35.6	28.2	42.2

Manual Integrations
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8/23/2018 9:39:48 AM



#16

Acetone

Concen: 91.34 ug/l

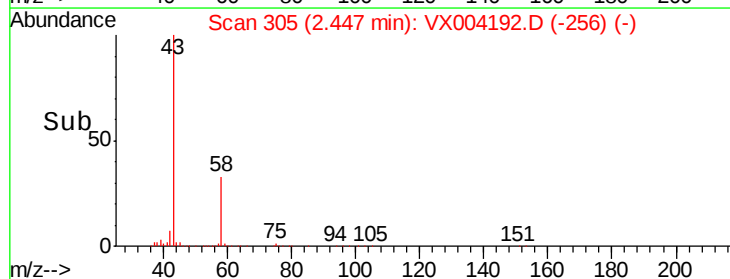
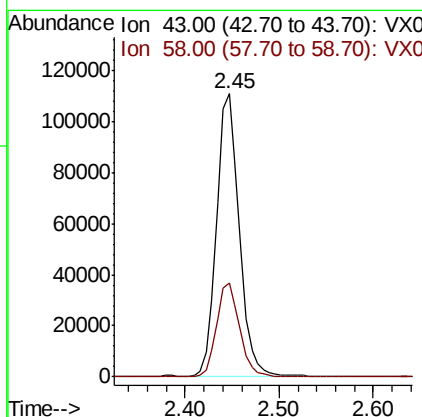
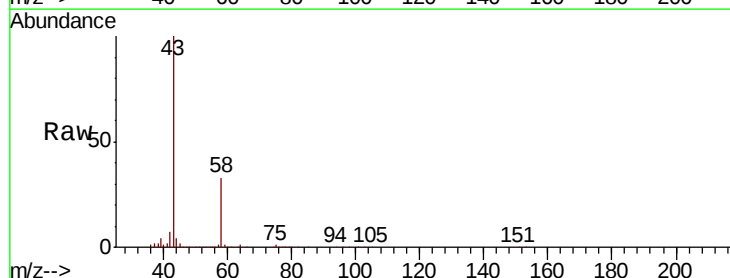
RT: 2.45 min Scan# 305

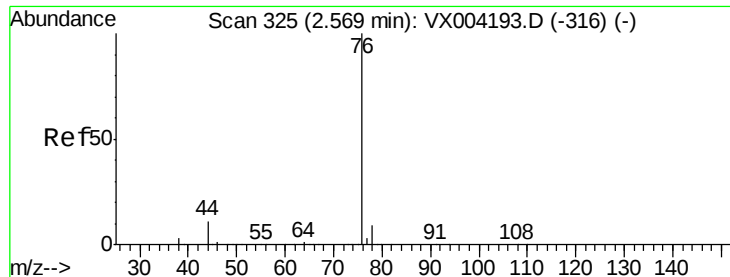
Delta R.T. -0.00 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

Tgt Ion:	43	Resp:	183843
Ion	Ratio	Lower	Upper
43	100		
58	33.1	26.2	39.4





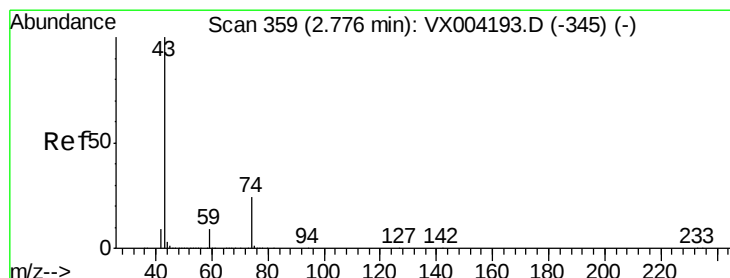
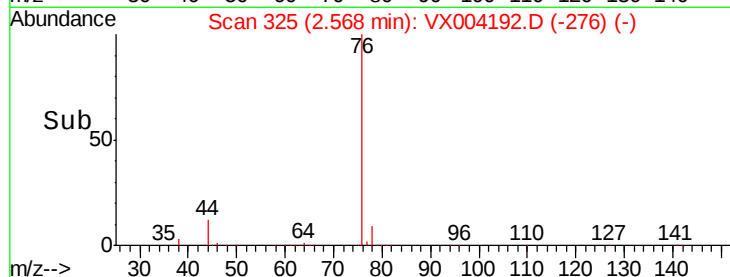
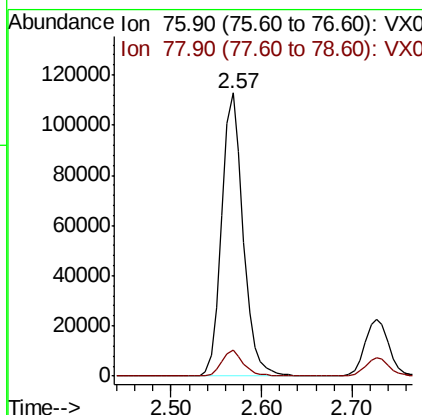
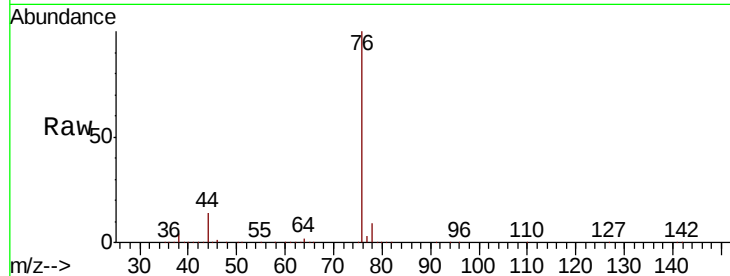
#17
Carbon Disulfide
Concen: 18.43 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

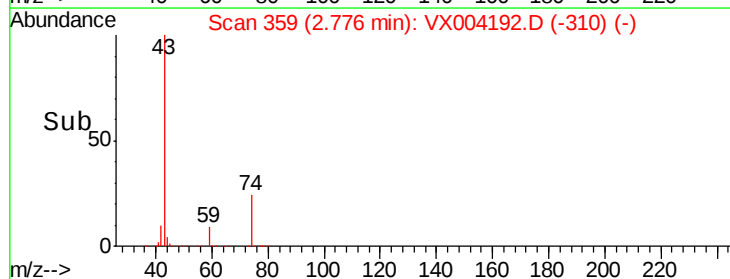
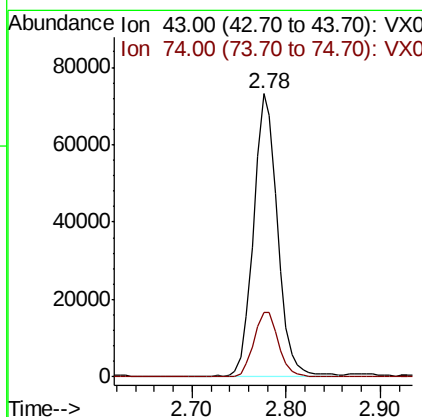
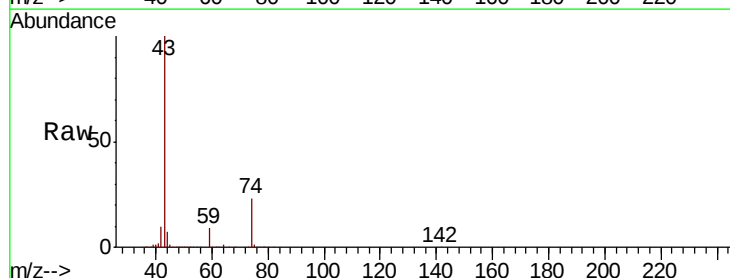
Manual Integrations
APPROVED

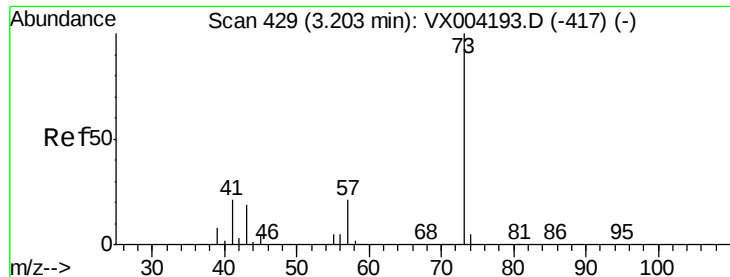
MMDadoda
8/23/2018 9:39:48 AM



#18
Methyl Acetate
Concen: 20.65 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.00 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.4	29.2





#19

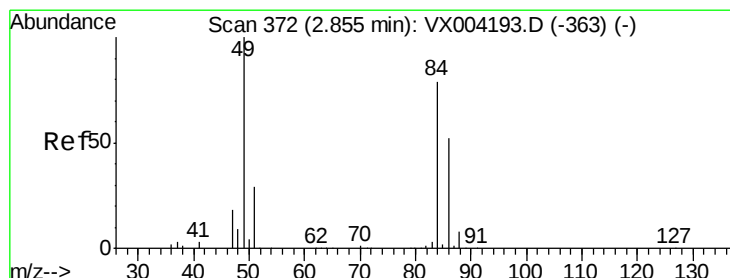
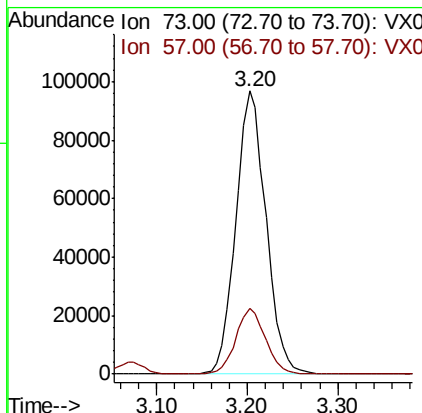
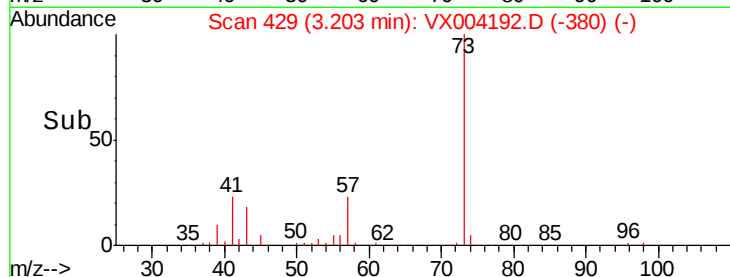
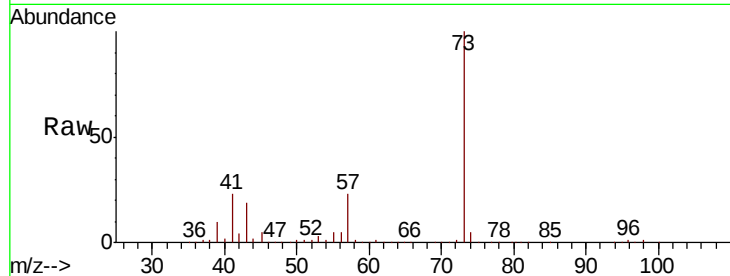
Methyl tert-butyl Ether
 Concen: 19.65 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: VX004192.D
 Acq: 22 Aug 2018 11:15

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.1	25.7

Manual Integrations
 APPROVED

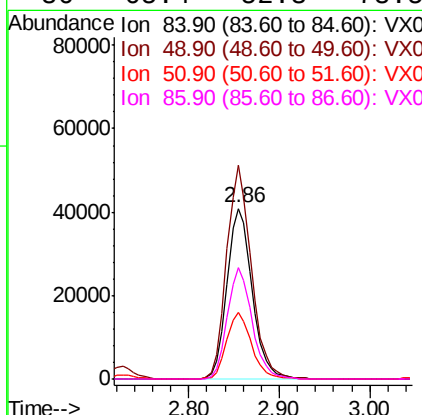
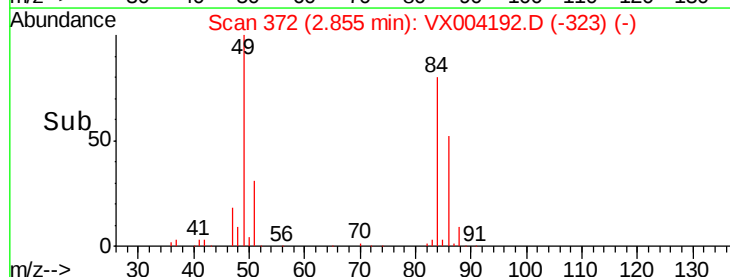
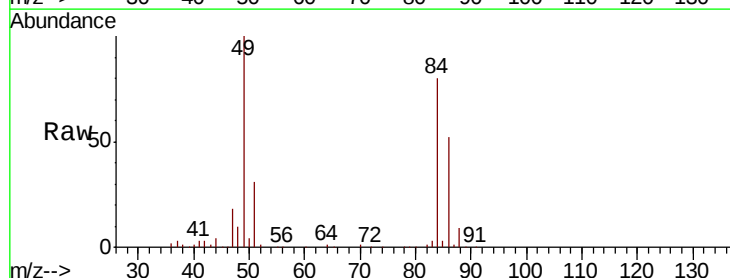
MMDadoda
 8/23/2018 9:39:48 AM

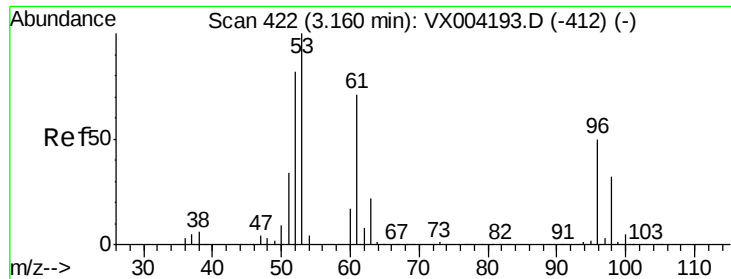


#20

Methylene Chloride
 Concen: 19.23 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VX004192.D
 Acq: 22 Aug 2018 11:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.4	101.2	151.8
51	38.8	29.5	44.3
86	65.4	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 19.10 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 72789

Ion Ratio Lower Upper

96 100

61 133.0 113.8 170.6

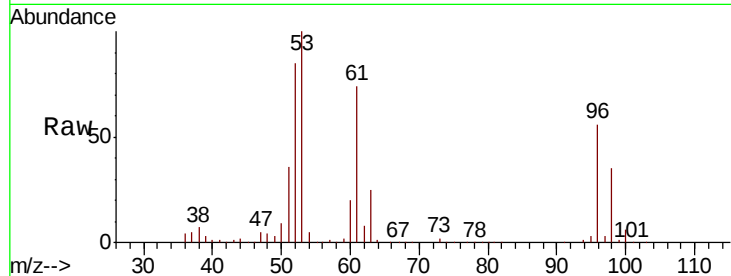
98 62.2 51.8 77.8

Manual Integrations

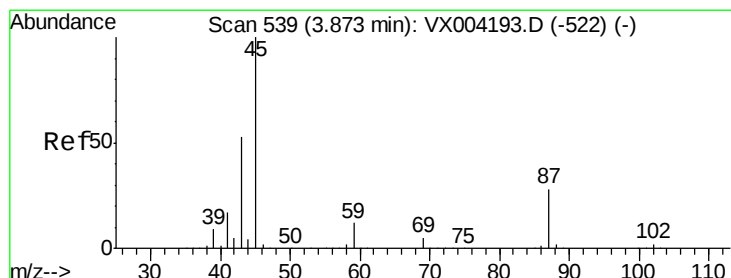
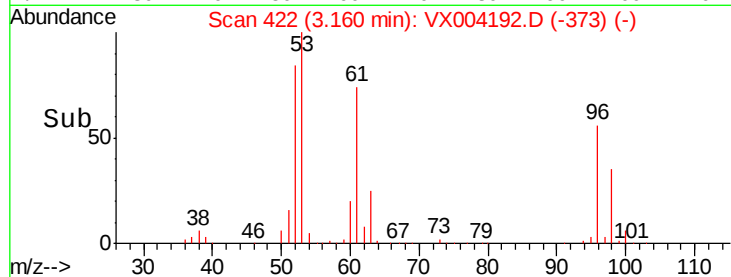
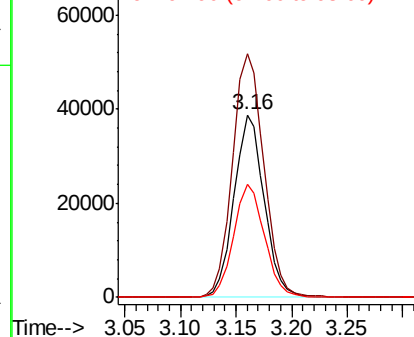
APPROVED

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8/23/2018 9:39:48 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.25 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

Tgt Ion: 45 Resp: 227331

Ion Ratio Lower Upper

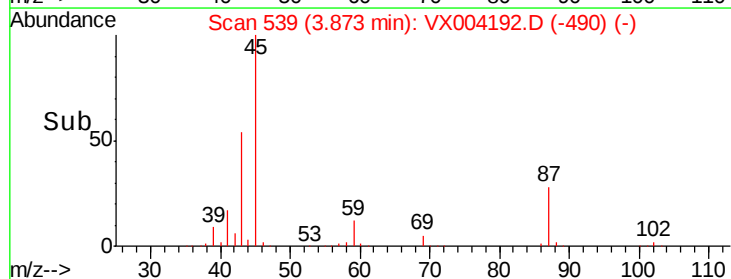
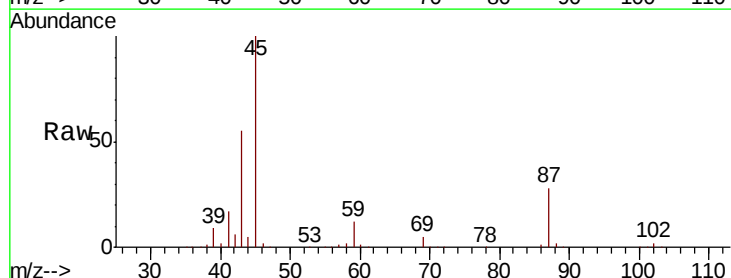
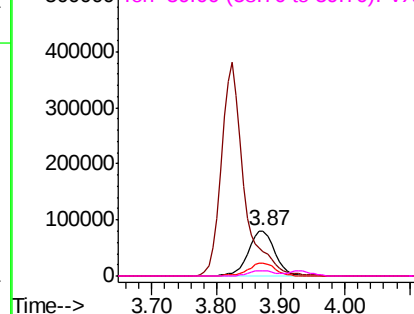
45 100

43 54.3 42.8 64.2

87 27.8 22.6 34.0

59 11.8 9.6 14.4

Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 98.81 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 946043

Ion Ratio Lower Upper

43 100

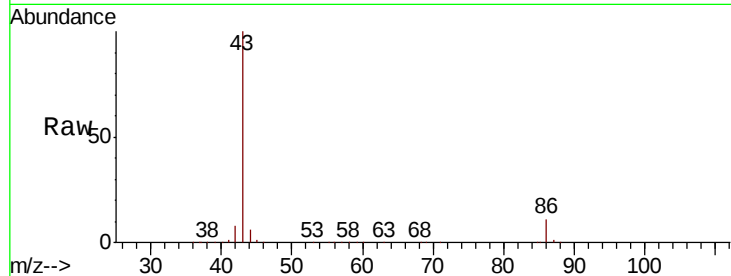
86 11.3 8.9 13.3

Manual Integrations

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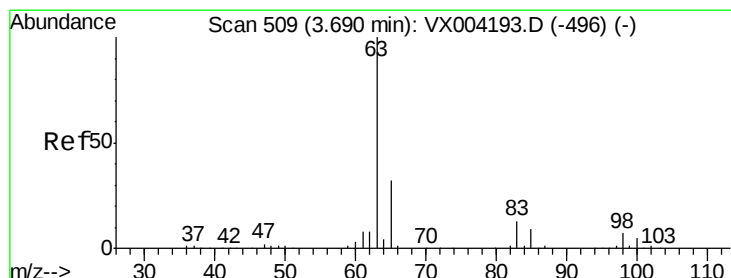
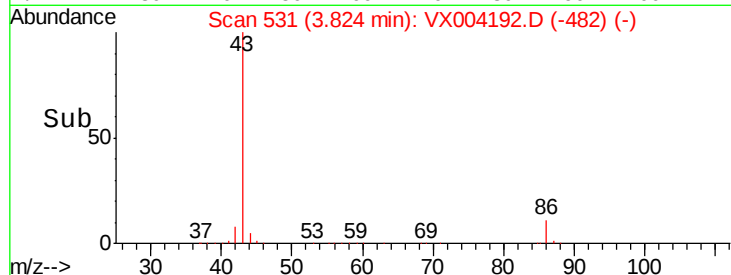
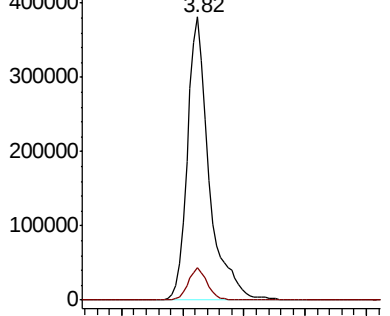
MMDadoda

8/23/2018 9:39:48 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.13 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.01 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

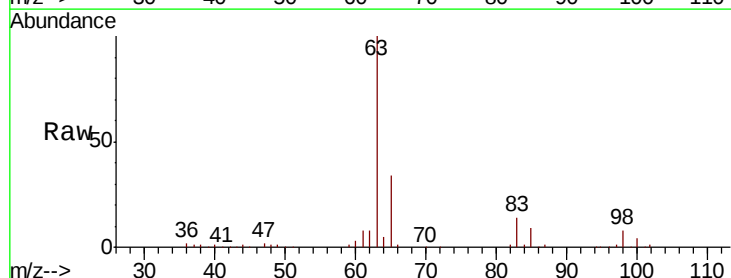
Tgt Ion: 63 Resp: 138600

Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.4

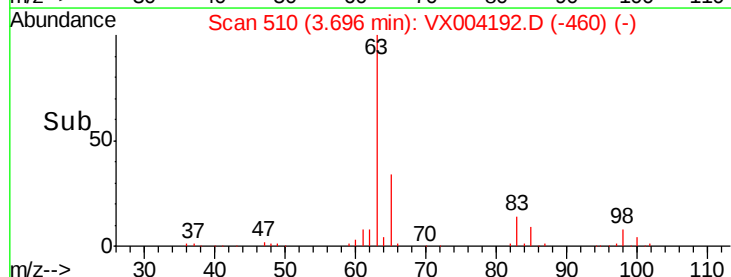
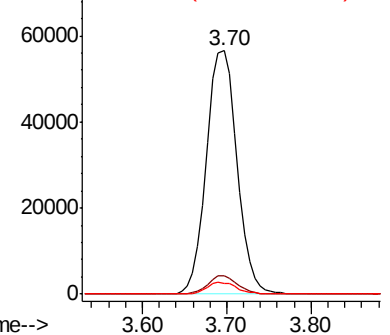
100 4.3 2.4 7.1

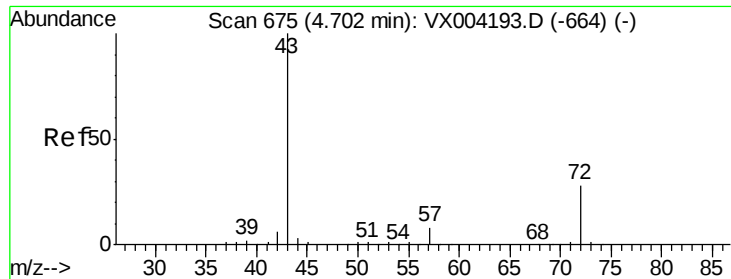


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 91.81 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.00 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 288638

Ion Ratio Lower Upper

43 100

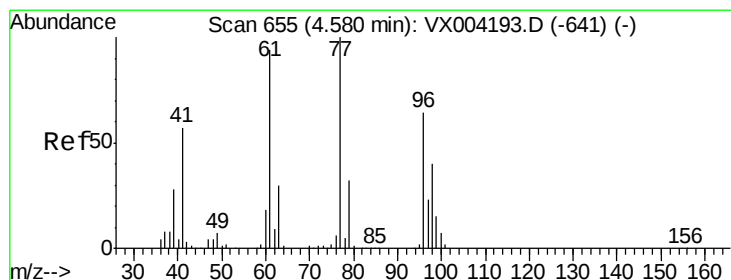
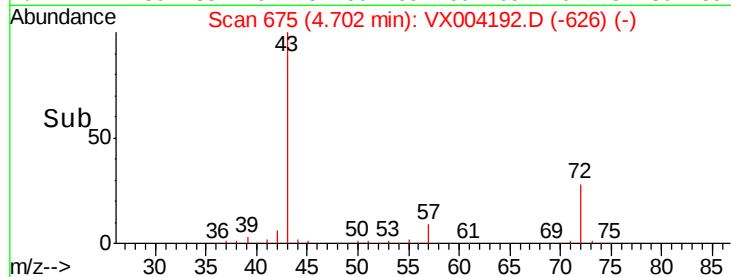
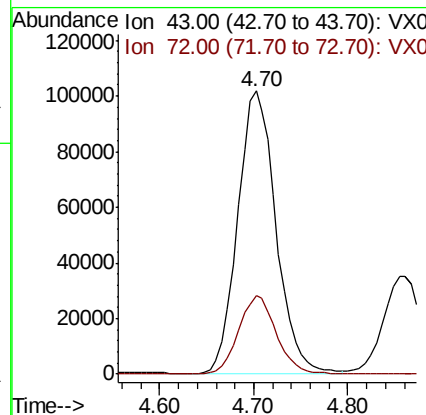
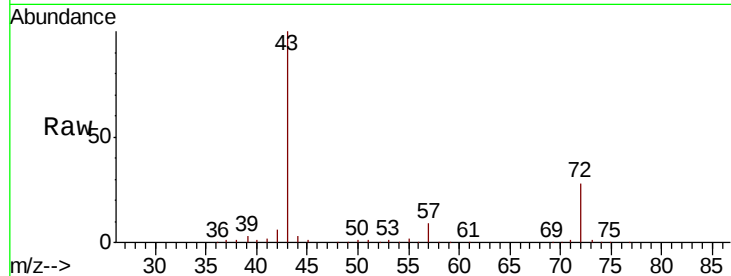
72 27.7 22.0 33.0

Manual Integrations

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8/23/2018 9:39:48 AM



#26

2,2-Dichloropropane

Concen: 20.24 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX004192.D

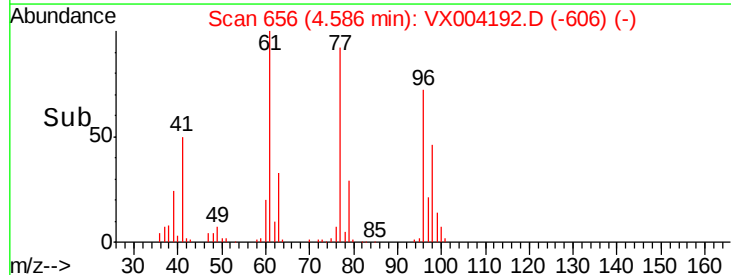
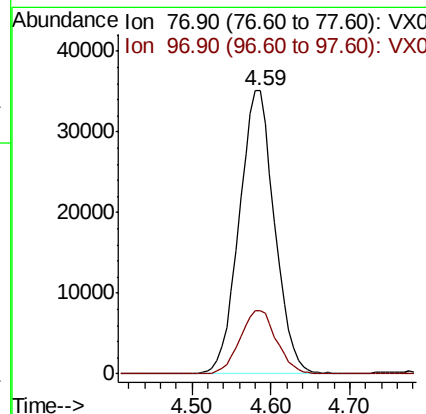
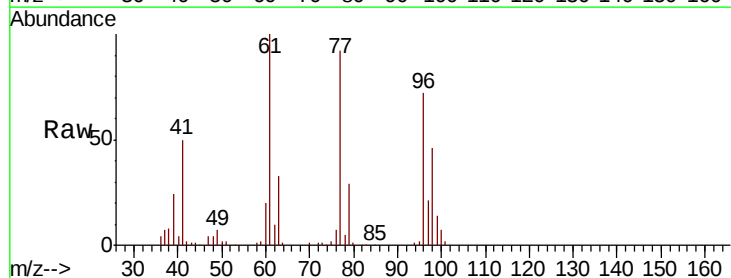
Acq: 22 Aug 2018 11:15

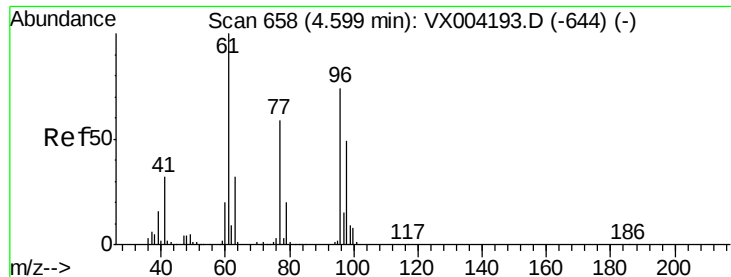
Tgt Ion: 77 Resp: 109275

Ion Ratio Lower Upper

77 100

97 23.2 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 19.64 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

Instrument :

MSVOA_X

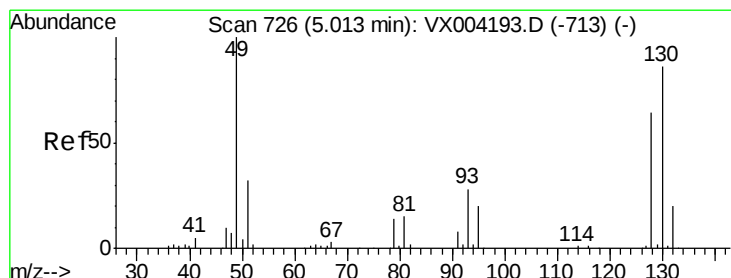
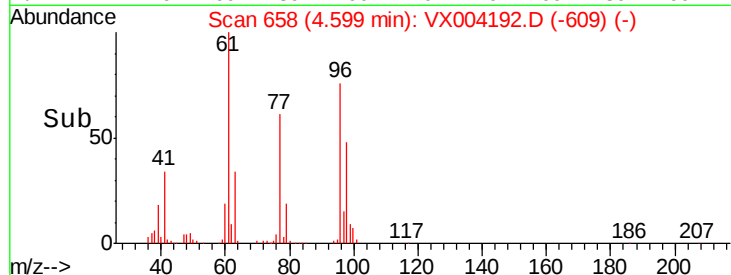
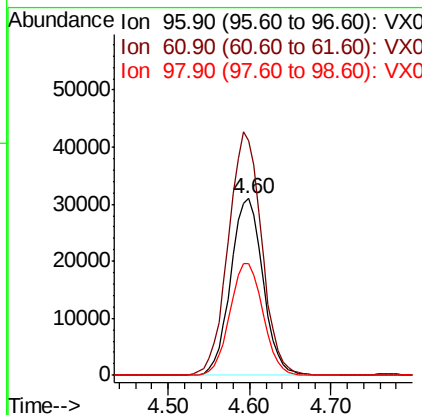
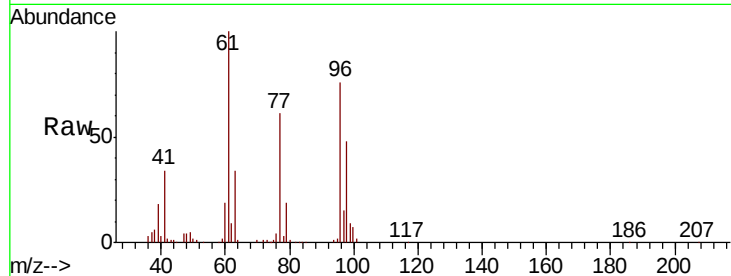
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	84915
Ion	Ratio	Lower	Upper
96	100		
61	142.0	0.0	282.6
98	65.0	0.0	130.2

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#28

Bromochloromethane

Concen: 20.01 ug/l

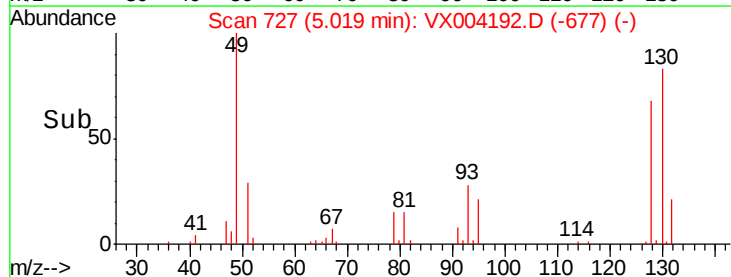
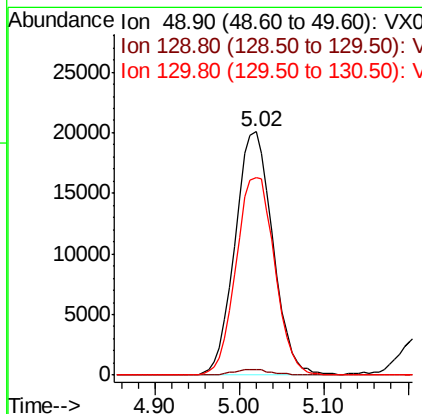
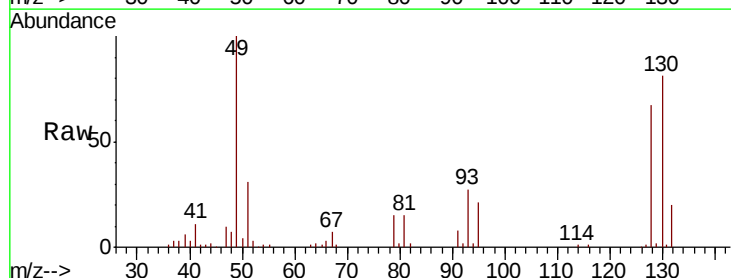
RT: 5.02 min Scan# 727

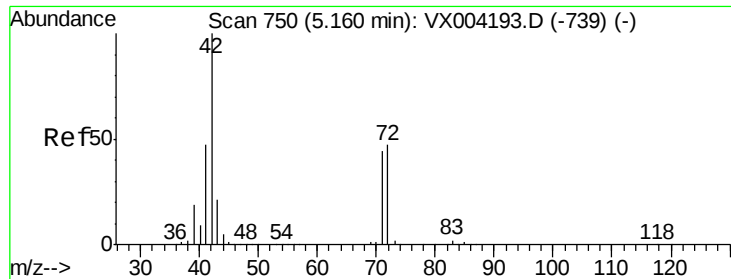
Delta R.T. 0.01 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

Tgt Ion:	49	Resp:	60979
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	83.0	67.5	101.3





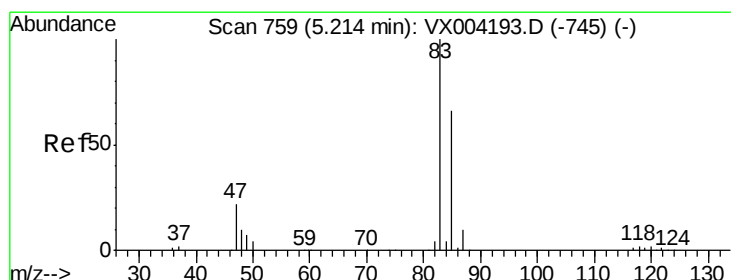
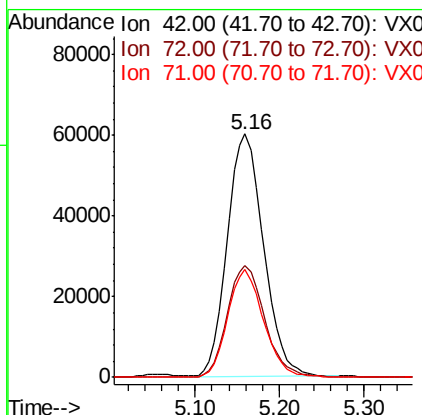
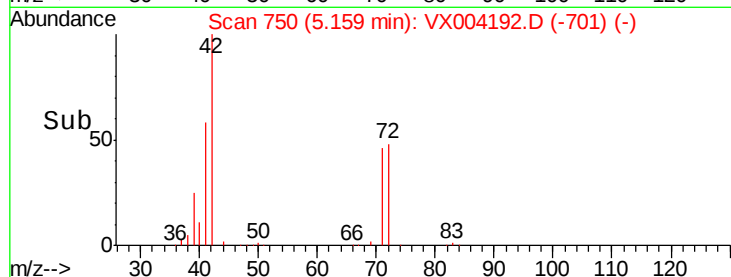
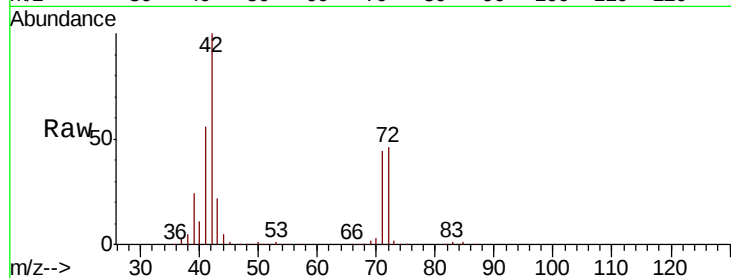
#29
Tetrahydrofuran
Concen: 96.83 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.00 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	42	Resp:	176252
Ion	Ratio	Lower	Upper
42	100		
72	47.4	37.4	56.0
71	43.7	34.5	51.7

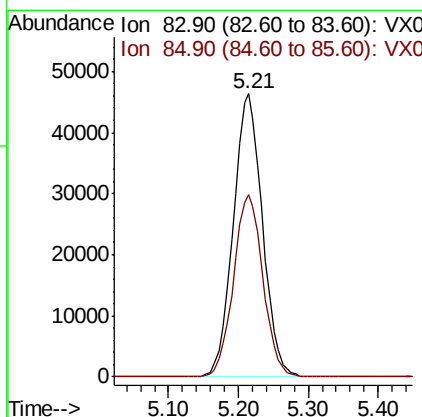
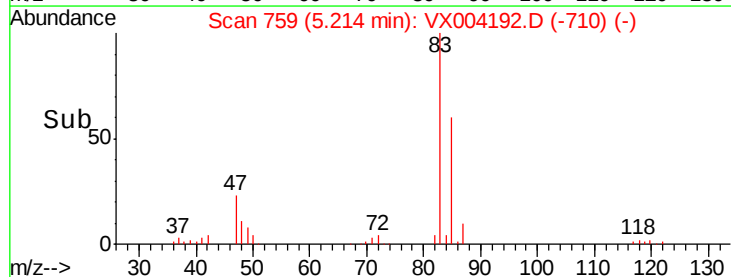
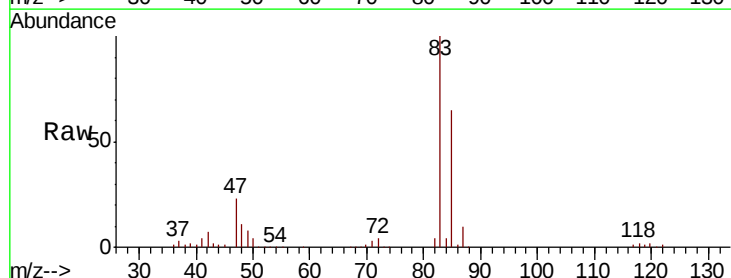
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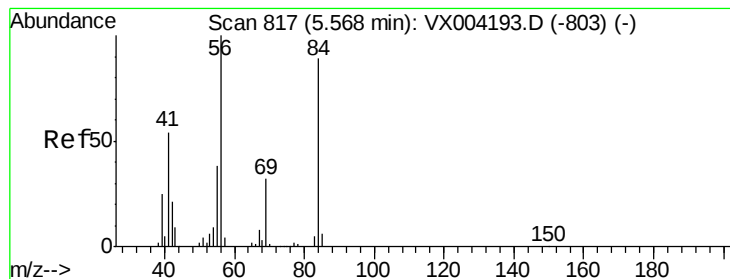
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#30
Chloroform
Concen: 19.40 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Tgt Ion:	83	Resp:	133897
Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.6	79.0





#31

Cvclohexane

Concen: 19.58 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

Instrument :

MSVOA_X

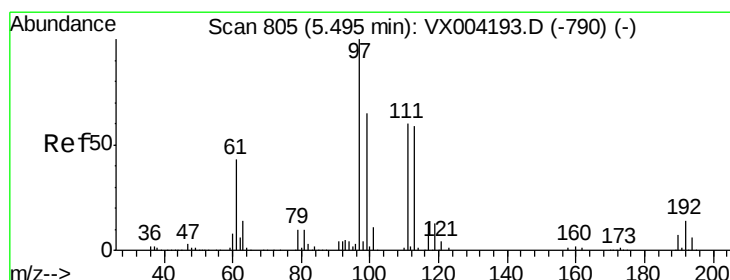
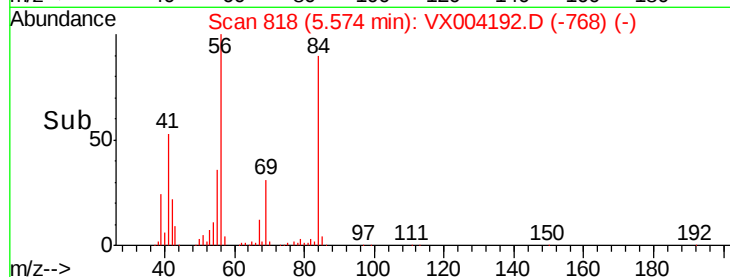
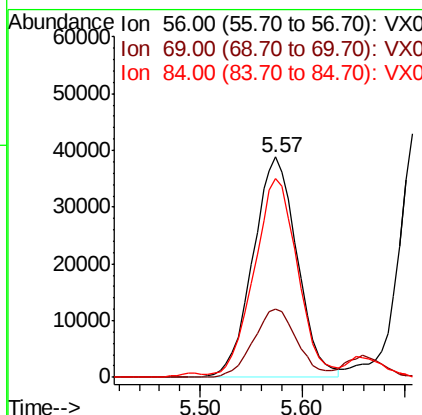
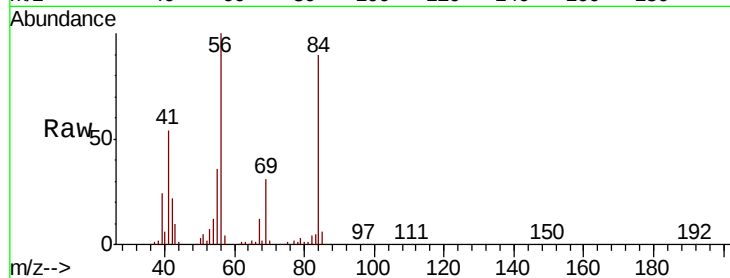
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	116275
Ion	Ratio	Lower	Upper
56	100		
69	30.9	25.4	38.2
84	88.4	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 19.64 ug/l

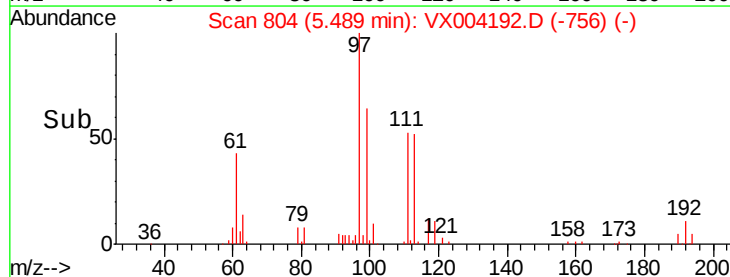
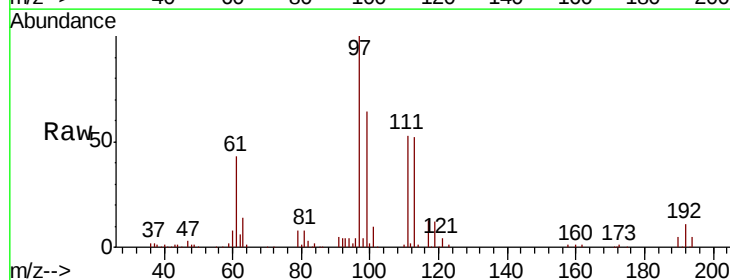
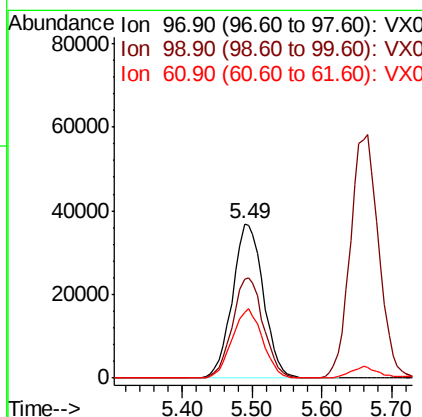
RT: 5.49 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

Tgt Ion:	97	Resp:	113025
Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.0	78.0
61	44.4	34.9	52.3





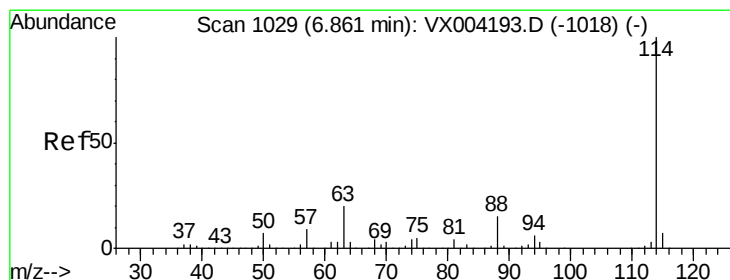
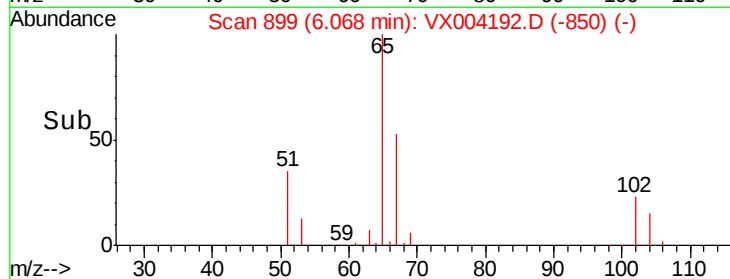
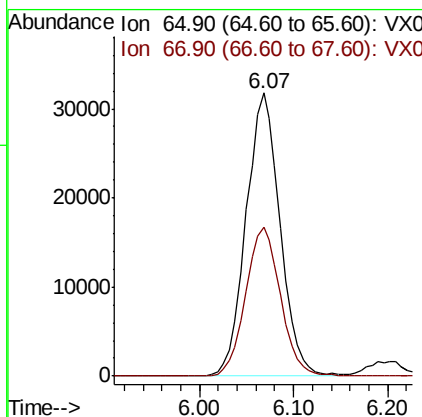
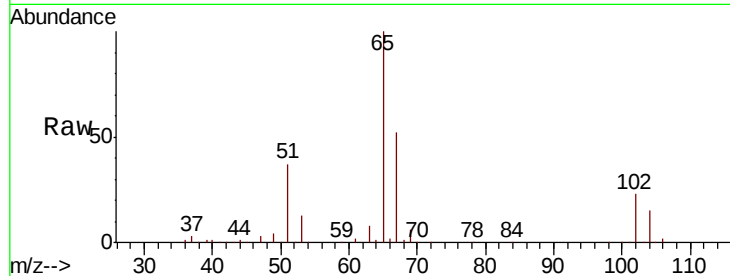
#33
 1,2-Dichloroethane-d4
 Concen: 19.01 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004192.D
 Acq: 22 Aug 2018 11:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	106.8

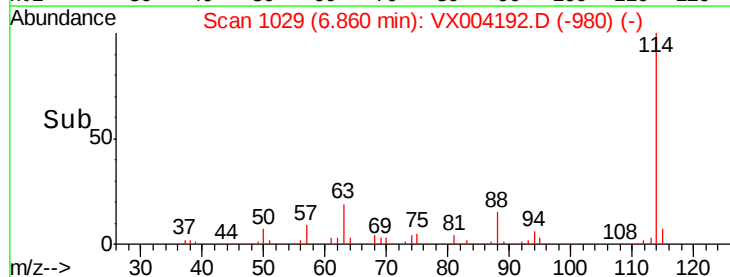
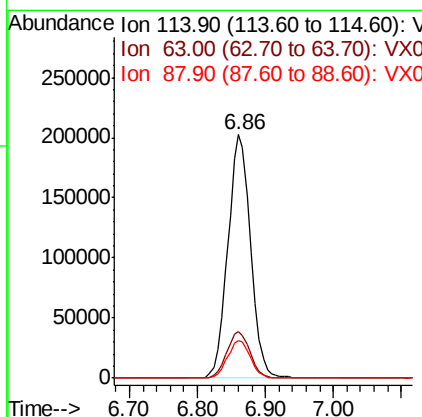
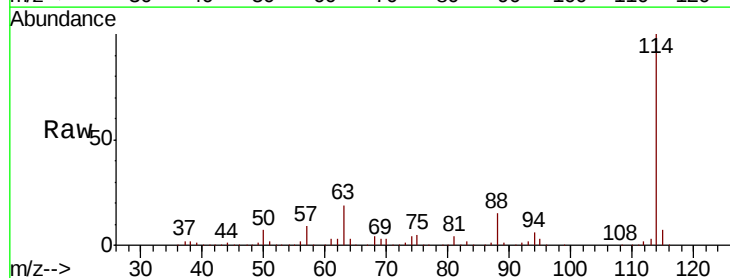
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004192.D
 Acq: 22 Aug 2018 11:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	39.0
88	15.4	0.0	30.4





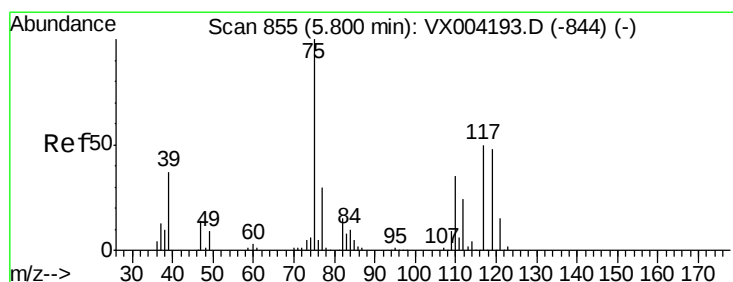
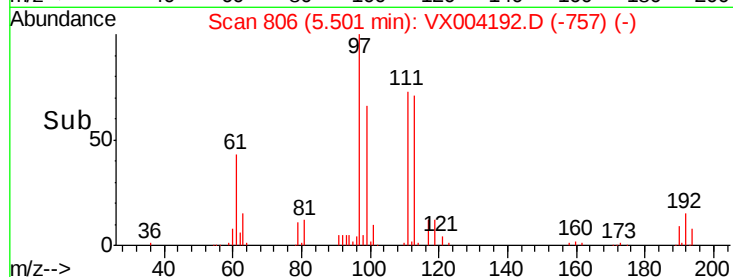
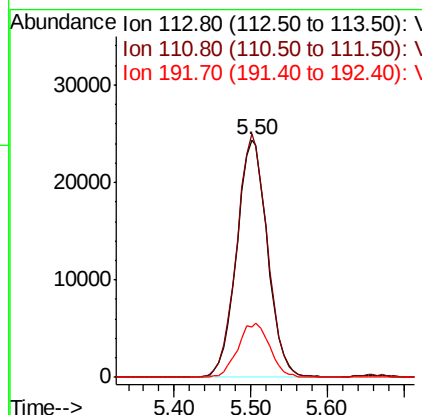
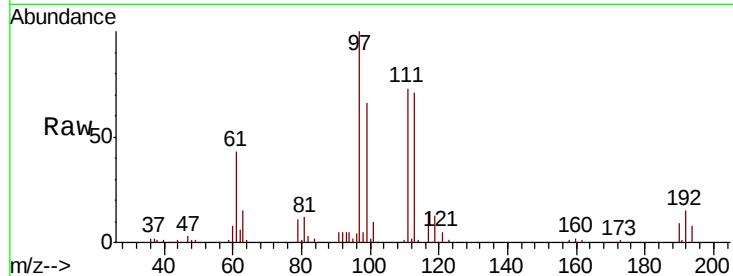
#35
 Dibromofluoromethane
 Concen: 19.52 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004192.D
 Acq: 22 Aug 2018 11:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	68012		
111	101.5	82.4	123.6	
192	23.4	19.4	29.2	

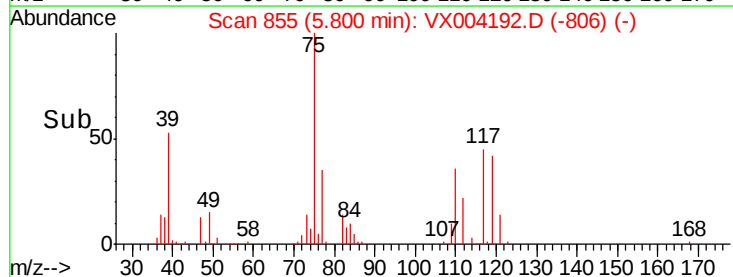
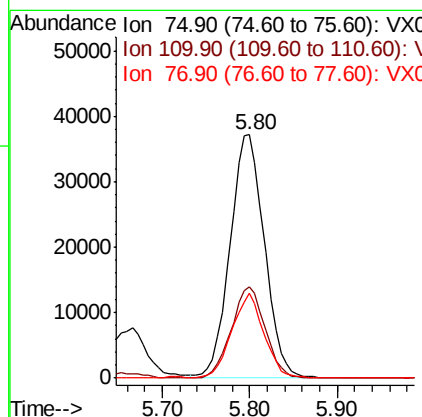
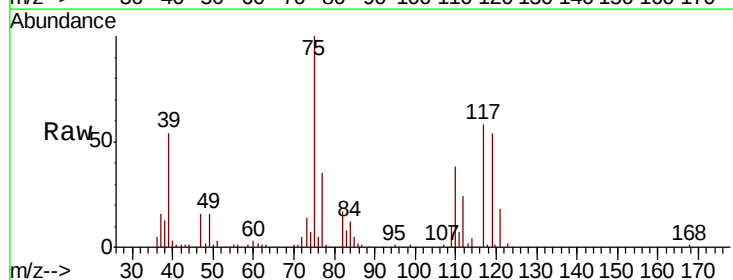
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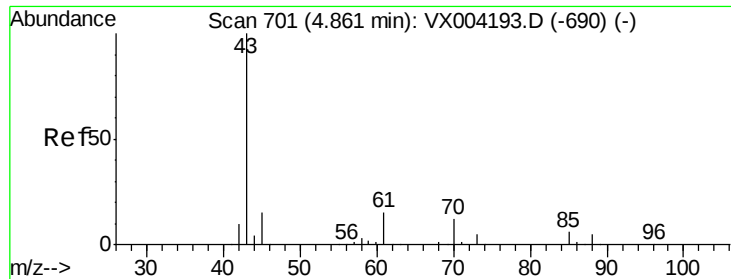
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#36
 1,1-Dichloropropene
 Concen: 19.35 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX004192.D
 Acq: 22 Aug 2018 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	101891		
110	36.7	18.0	54.0	
77	32.6	24.6	36.8	





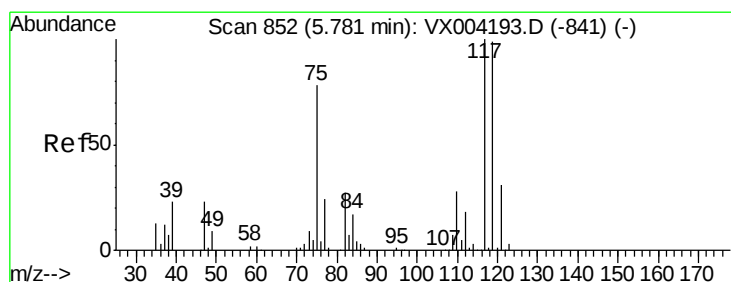
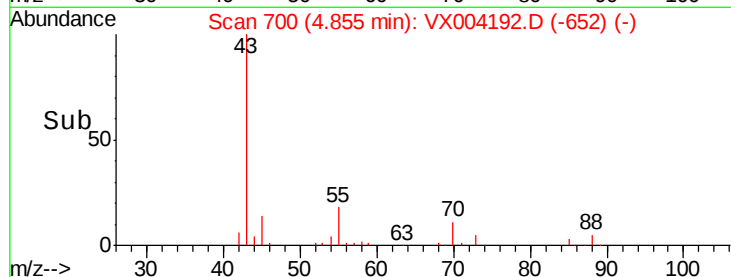
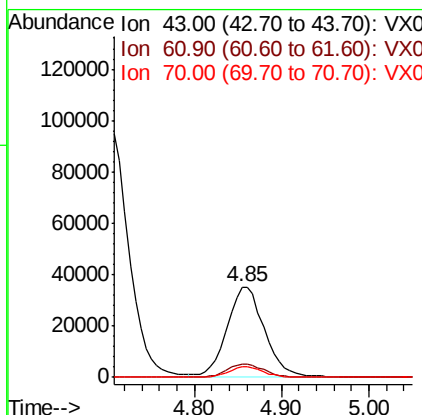
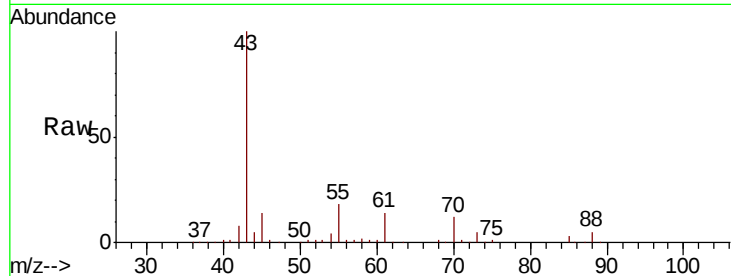
#37
Ethyl Acetate
Concen: 19.96 ug/l
RT: 4.85 min Scan# 700
Delta R.T. -0.01 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	43	Resp:	103322
Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.5	17.3
70	11.4	9.0	13.6

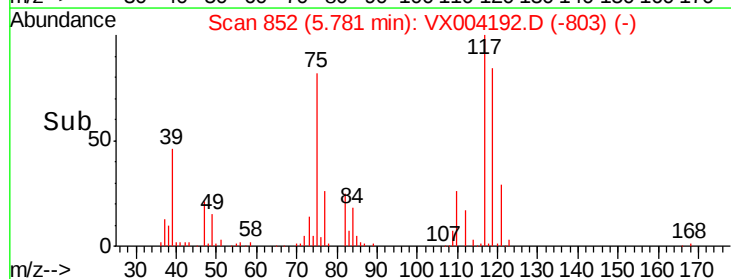
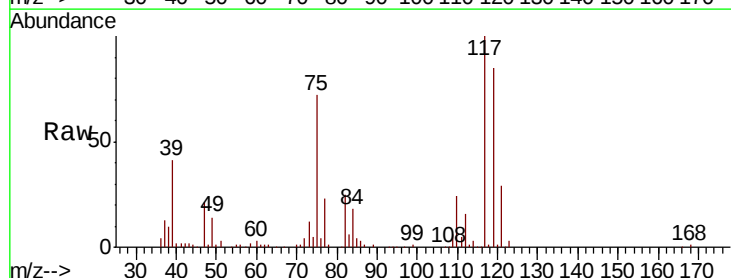
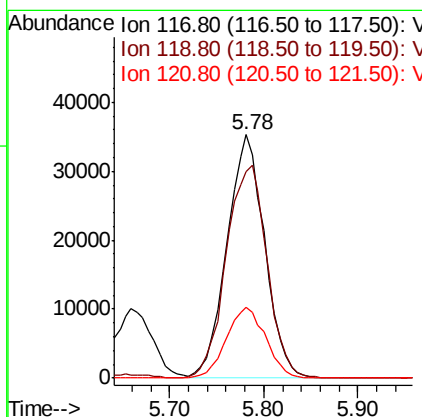
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#38
Carbon Tetrachloride
Concen: 19.89 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Tgt Ion:	117	Resp:	98486
Ion	Ratio	Lower	Upper
117	100		
119	84.9	78.8	118.2
121	29.2	24.9	37.3





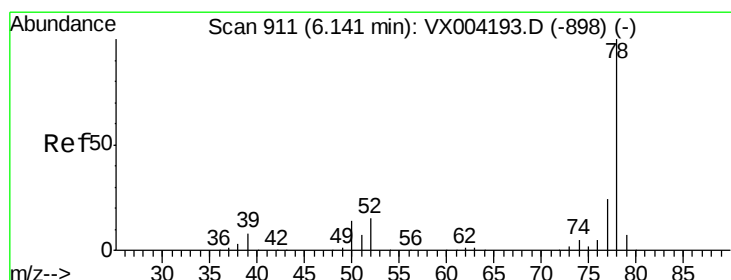
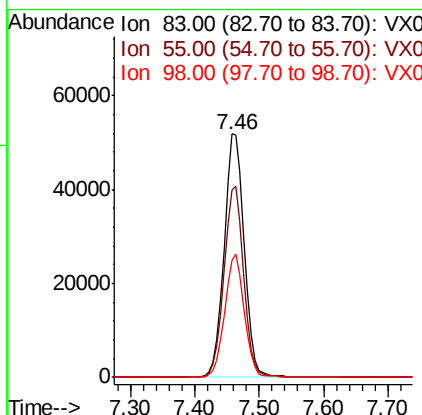
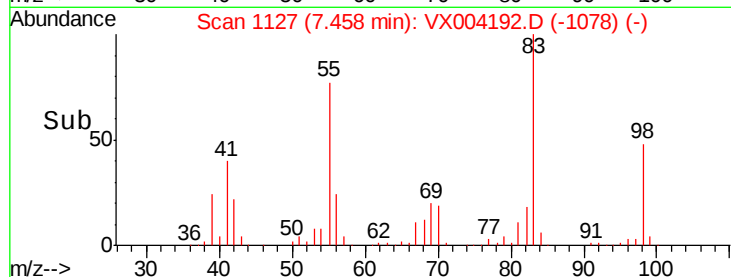
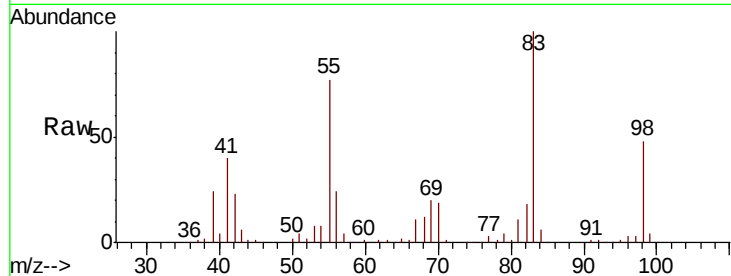
#39
Methvlcvclohexane
Concen: 19.09 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.8	61.0	91.4	
98	48.0	39.6	59.4	

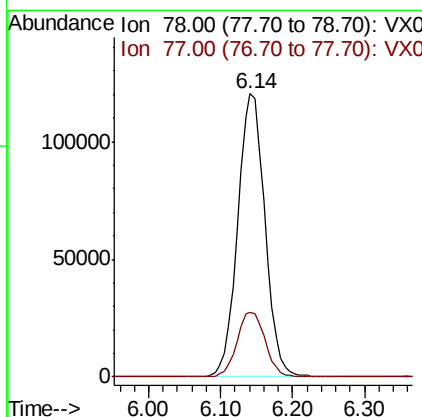
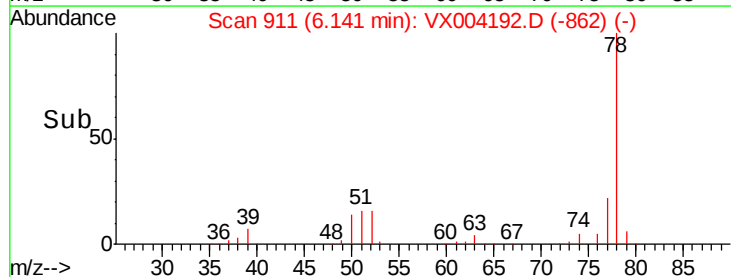
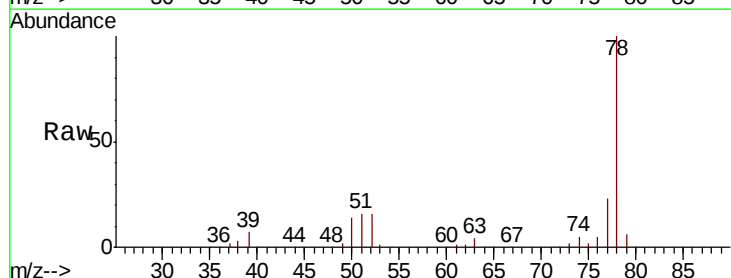
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#40
Benzene
Concen: 20.05 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.8	19.0	28.4	





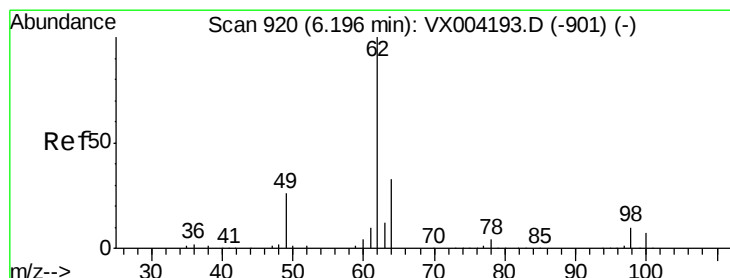
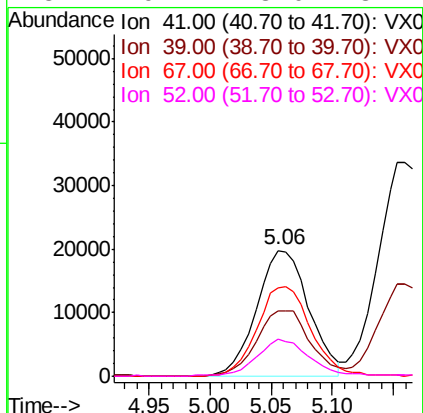
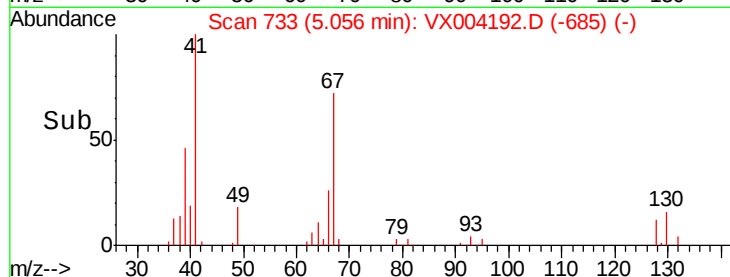
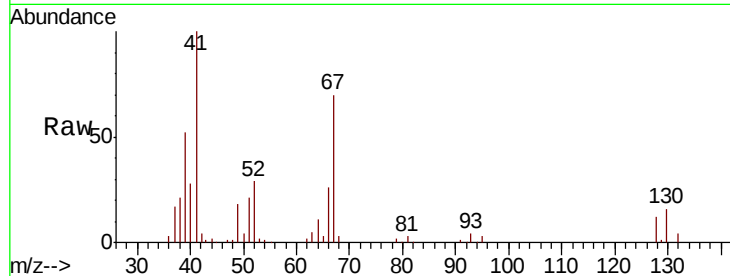
#41
Methacrylonitrile
Concen: 19.61 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	42.4	63.6	
67	73.5	59.2	88.8	
52	29.1	23.0	34.4	

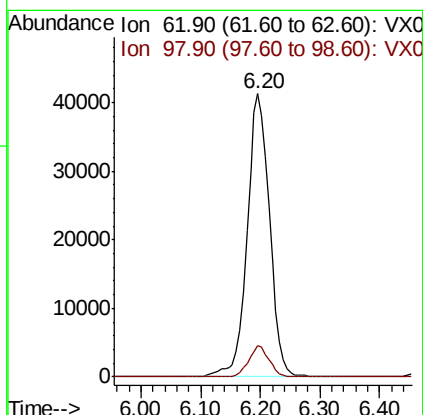
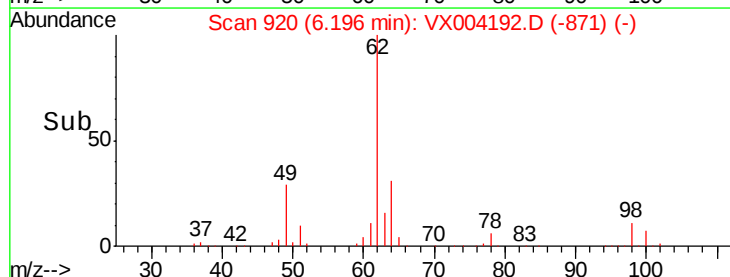
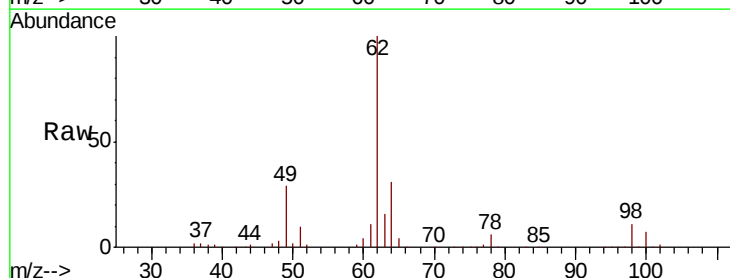
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#42
1,2-Dichloroethane
Concen: 20.05 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	20.6	





#43

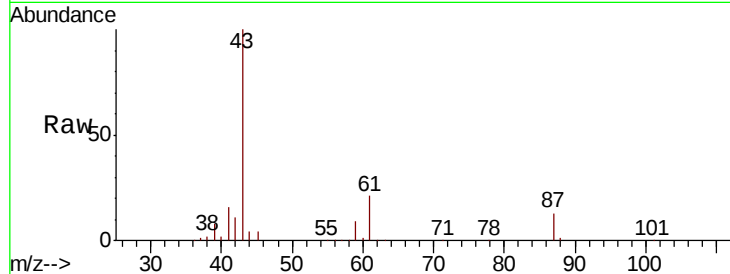
Isopropyl Acetate
 Concen: 19.45 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004192.D
 Acq: 22 Aug 2018 11:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

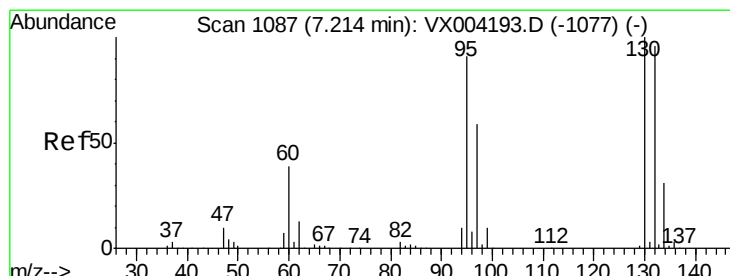
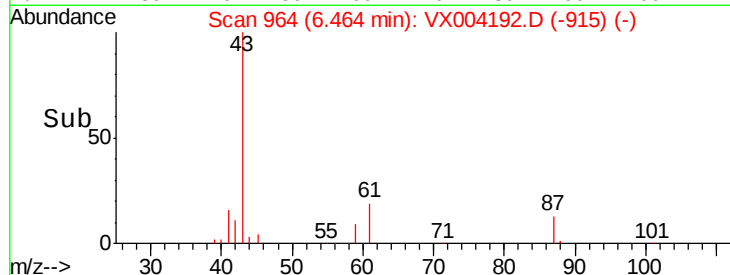
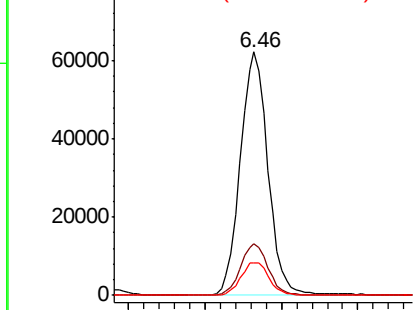
Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	17.0	25.4
87	14.0	11.4	17.2

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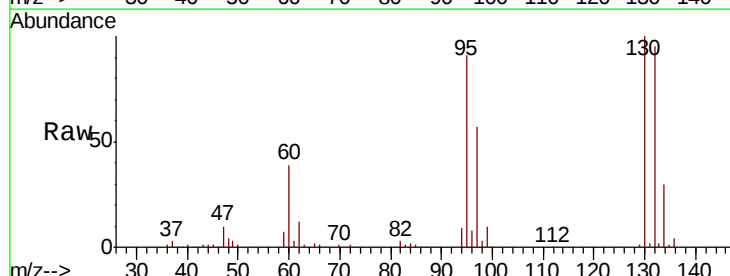
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



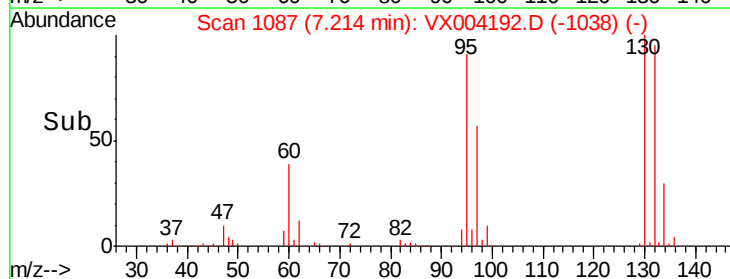
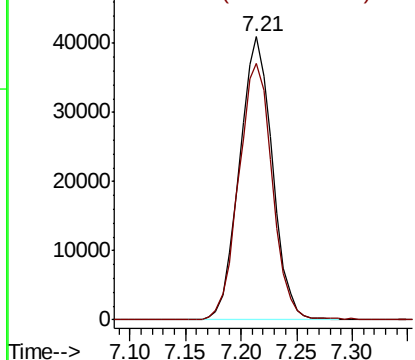
#44

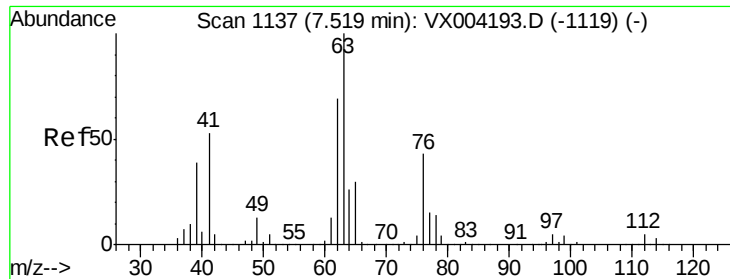
Trichloroethene
 Concen: 19.40 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004192.D
 Acq: 22 Aug 2018 11:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.8	0.0	181.6



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 19.89 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 78318

Ion Ratio Lower Upper

63 100

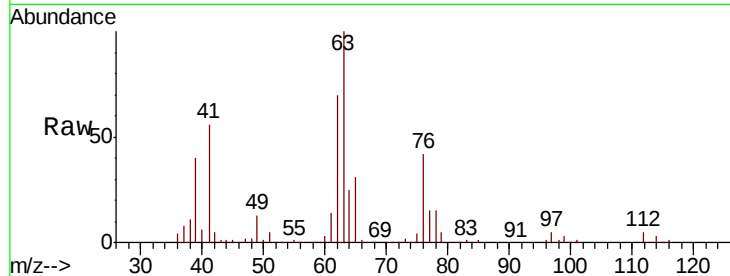
65 31.5 24.3 36.5

Manual Integrations

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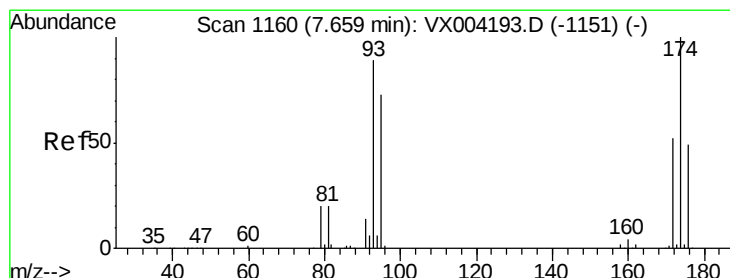
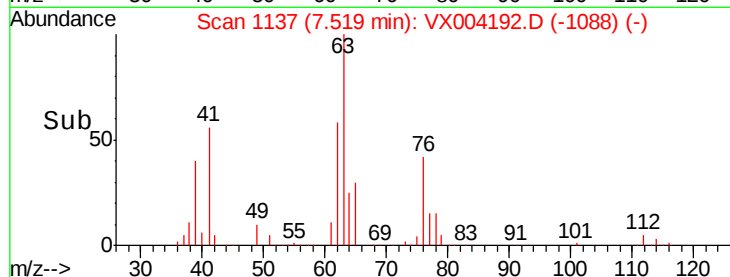
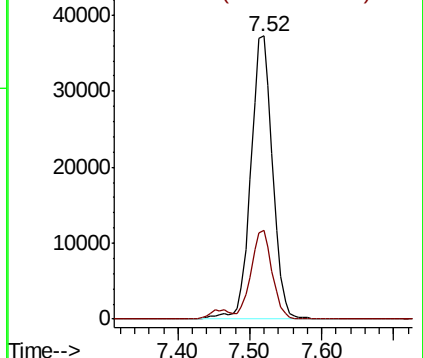
MMDadoda

8/23/2018 9:39:48 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.64 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

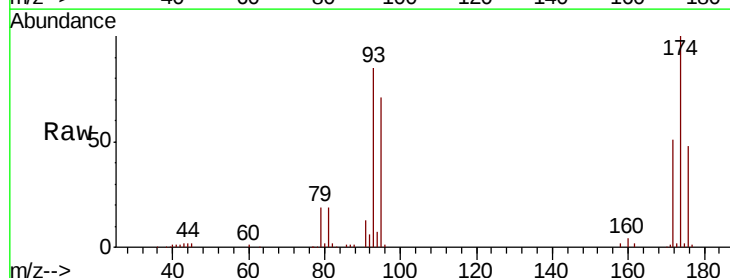
Tgt Ion: 93 Resp: 51493

Ion Ratio Lower Upper

93 100

95 84.4 65.5 98.3

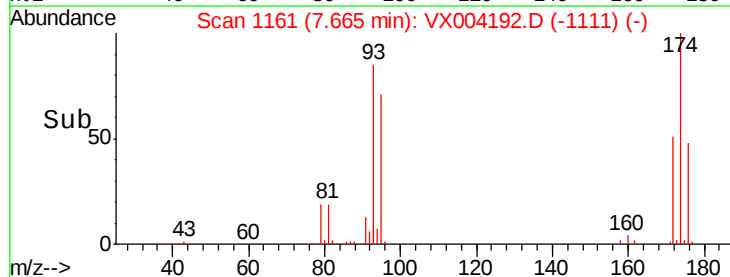
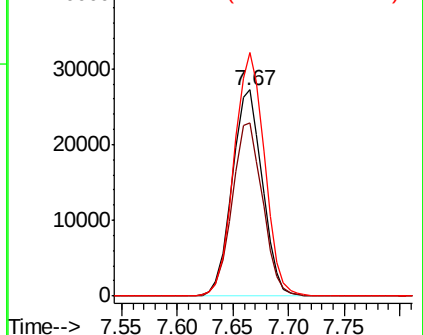
174 118.3 94.2 141.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.77 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

Instrument :

MSVOA_X

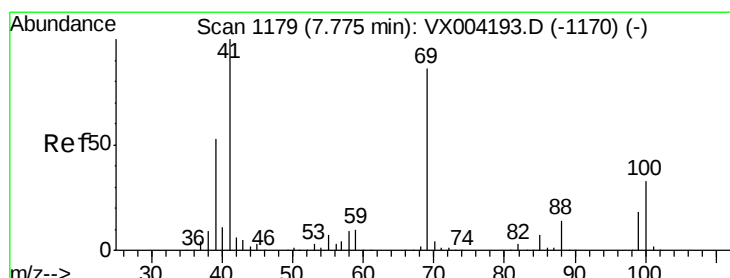
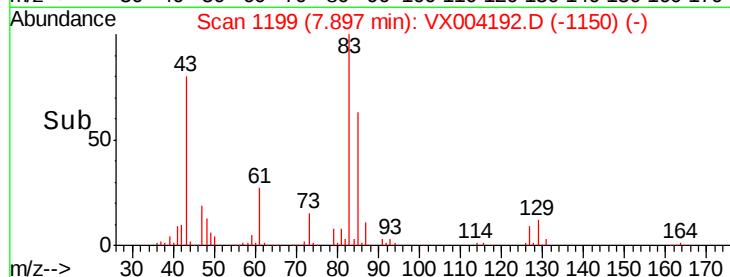
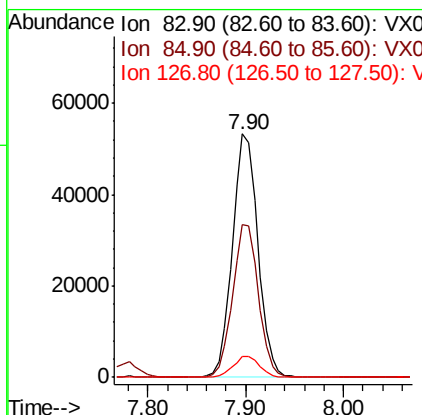
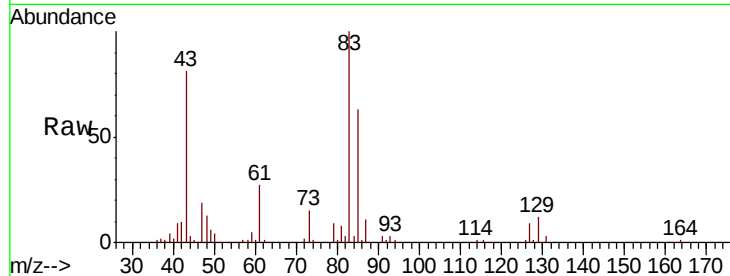
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	96419
Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.9	76.3
127	8.6	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.53 ug/l

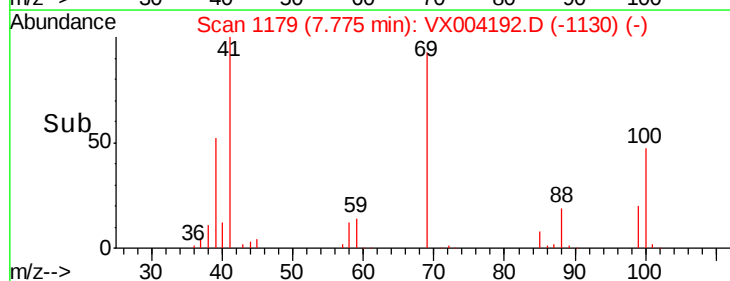
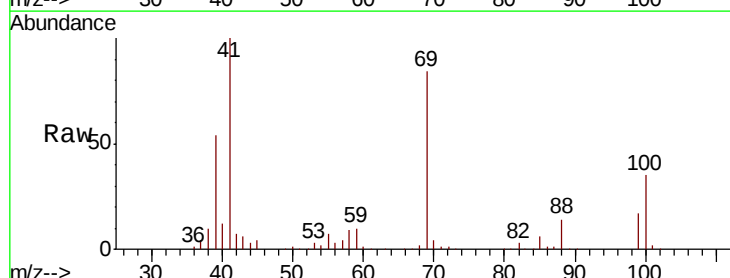
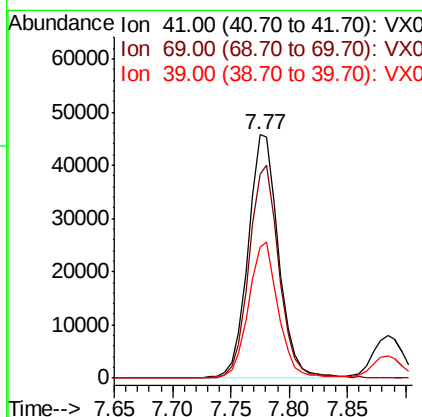
RT: 7.77 min Scan# 1179

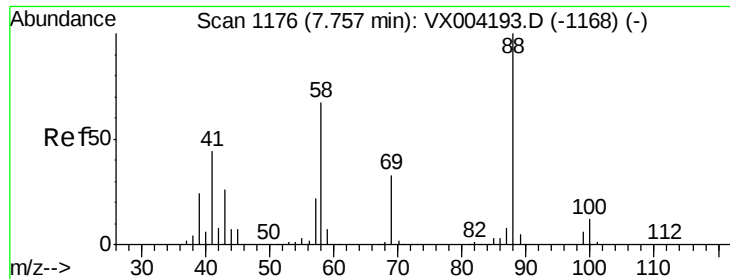
Delta R.T. -0.00 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

Tgt Ion:	41	Resp:	83134
Ion	Ratio	Lower	Upper
41	100		
69	87.3	70.2	105.4
39	54.8	42.7	64.1





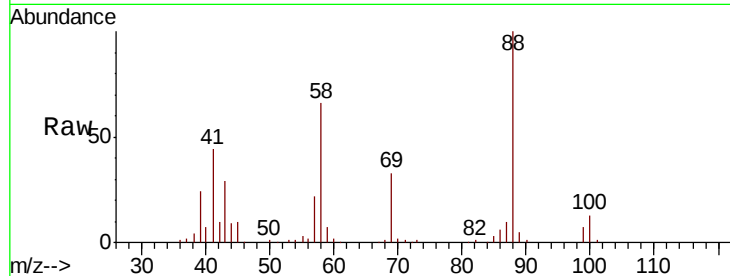
#49
1,4-Dioxane
Concen: 398.25 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	38493
Ion Ratio	Lower	Upper	
88	100		
43	31.1	24.7	37.1
58	70.0	55.3	82.9

Manual Integrations
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8/23/2018 9:39:48 AM

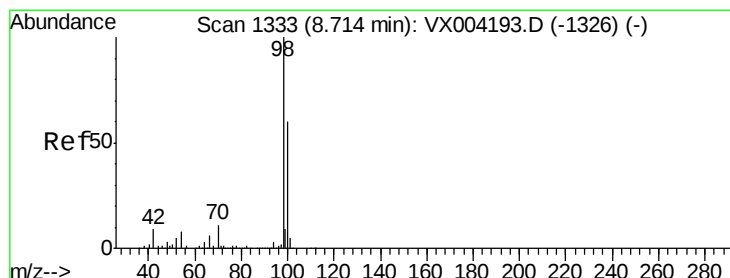
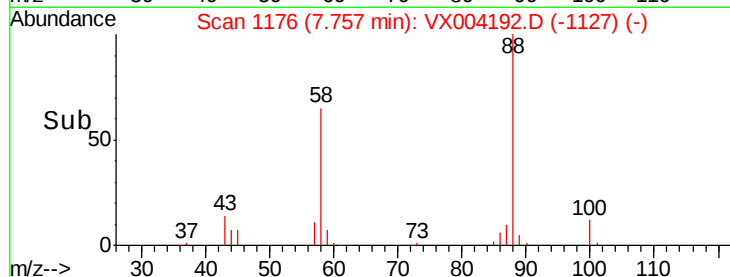
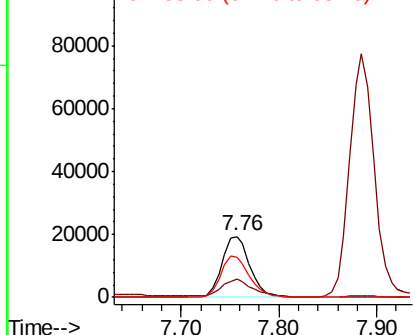


Abundance

Ion 88.00 (87.70 to 88.70): VX0

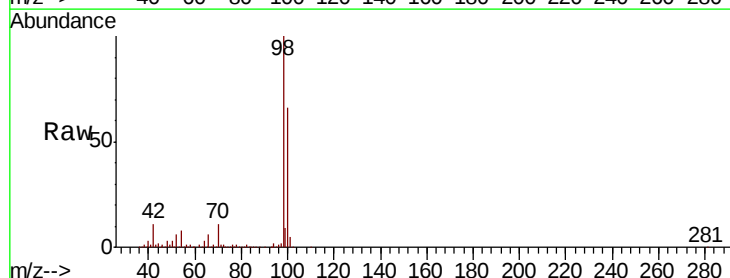
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 19.39 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

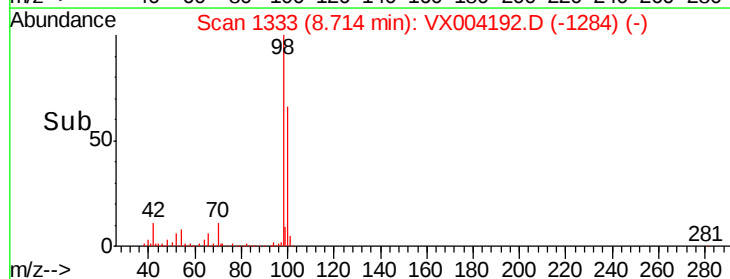
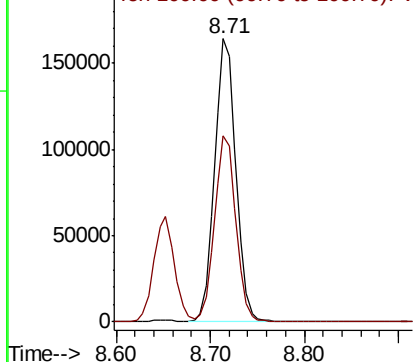
Tgt Ion	98	Resp	255012
Ion Ratio	Lower	Upper	
98	100		
100	66.5	52.9	79.3

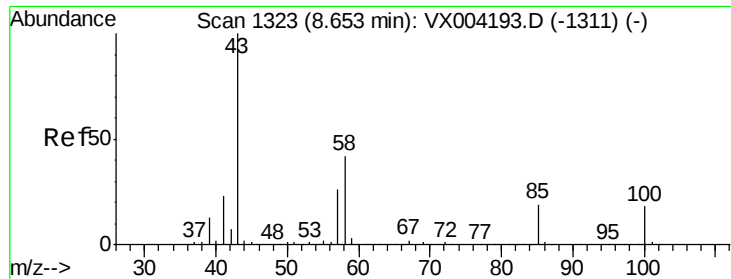


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 94.25 ug/l

RT: 8.65 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 544816

Ion Ratio Lower Upper

43 100

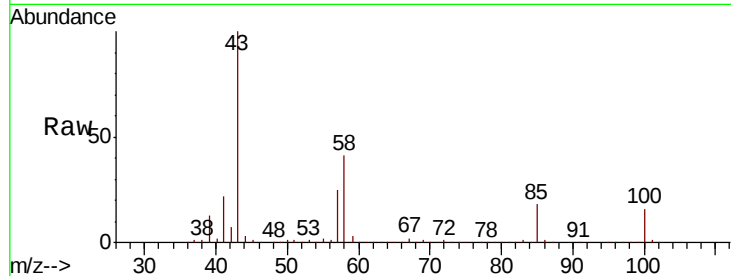
58 40.8 33.1 49.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

300000

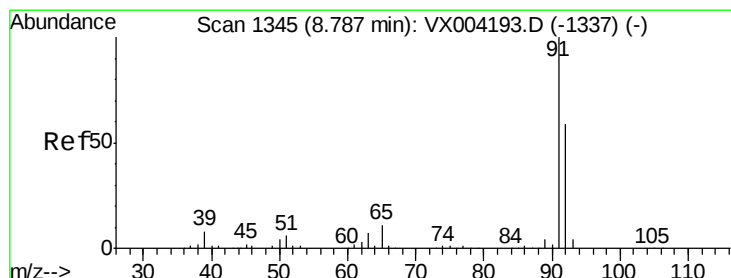
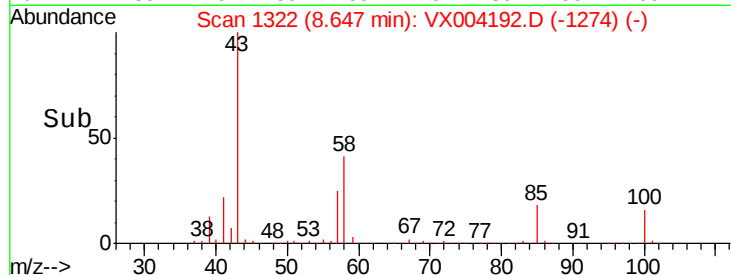
200000

100000

0

8.60 8.70 8.80

Time-->



#52

Toluene

Concen: 20.17 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004192.D

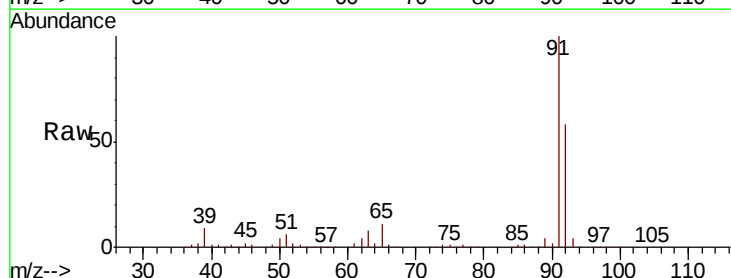
Acq: 22 Aug 2018 11:15

Tgt Ion: 92 Resp: 198595

Ion Ratio Lower Upper

92 100

91 170.0 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

150000

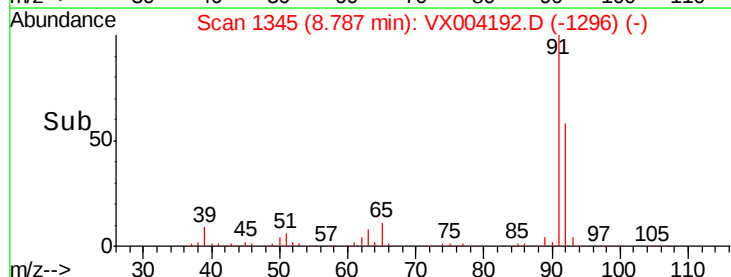
100000

50000

0

8.70 8.80 8.90

Time-->





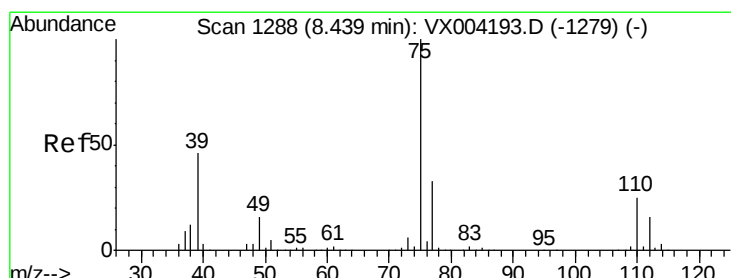
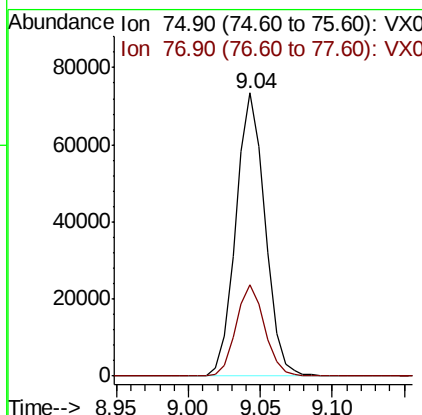
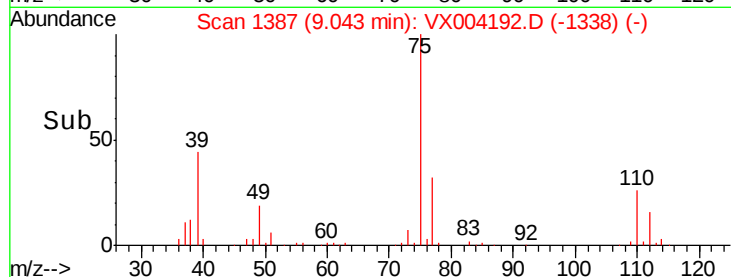
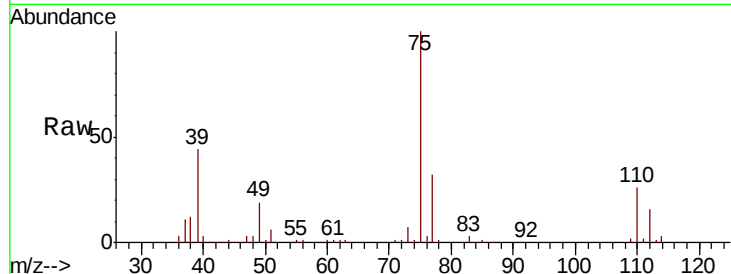
#53
t-1,3-Dichloropropene
Concen: 19.28 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.6	37.0

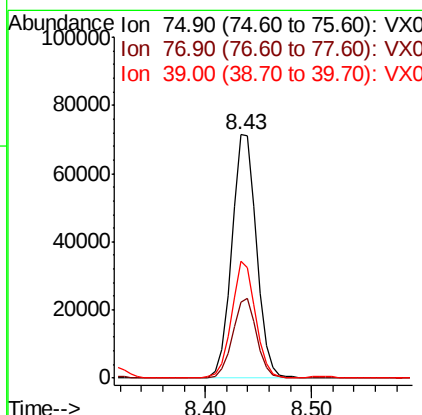
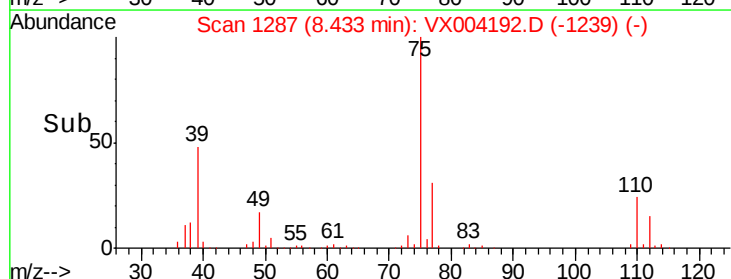
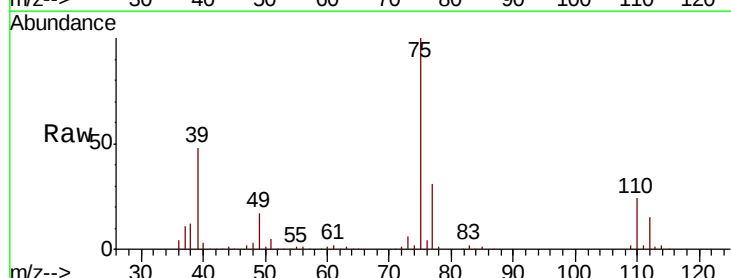
Manual Integrations
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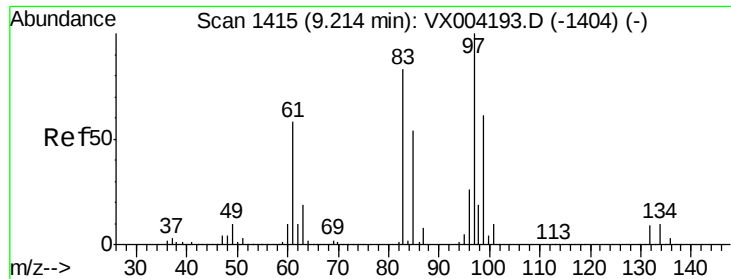
MMDadoda
8/23/2018 9:39:48 AM



#54
cis-1,3-Dichloropropene
Concen: 19.87 ug/l
RT: 8.43 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.2	39.2
39	47.8	36.4	54.6





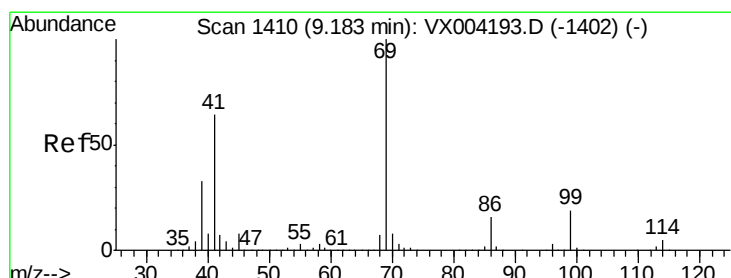
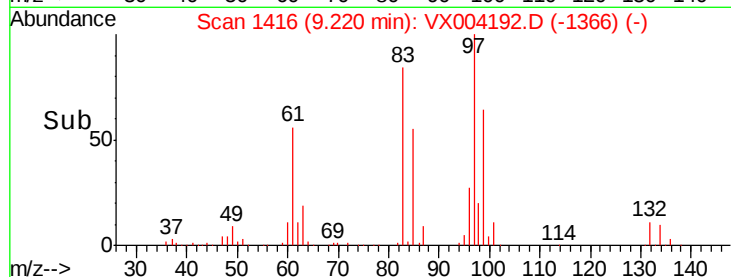
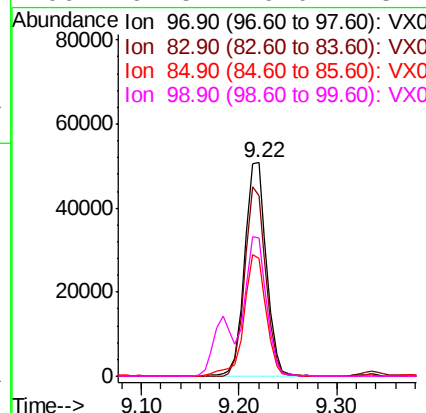
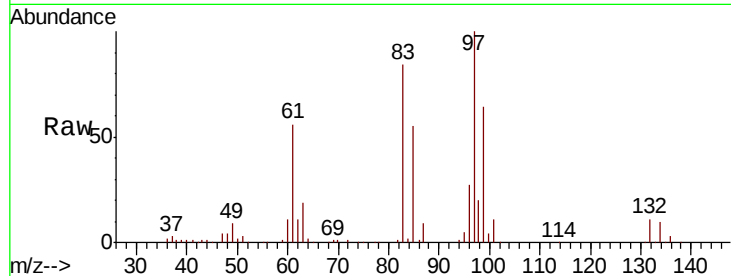
#55
 1,1,2-Trichloroethane
 Concen: 19.72 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VX004192.D
 Acq: 22 Aug 2018 11:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		78369		
83	84.4	66.4	99.6		
85	55.4	43.3	64.9		
99	64.5	49.0	73.4		

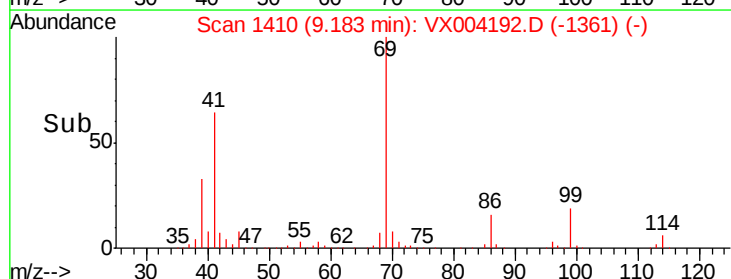
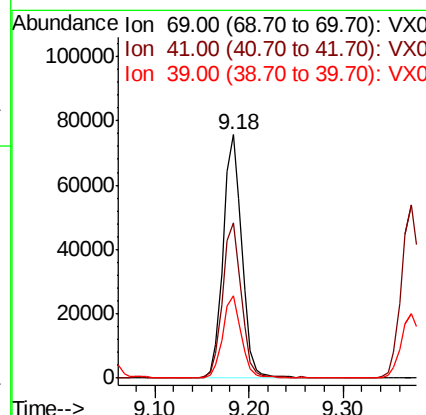
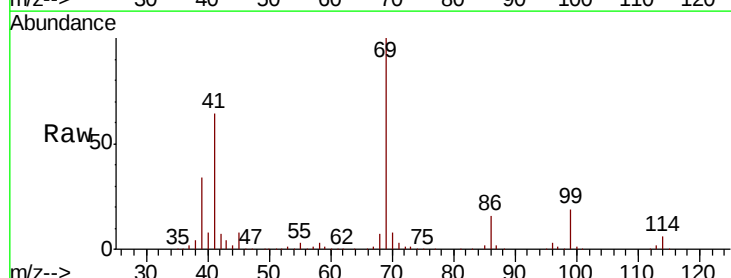
Manual Integrations
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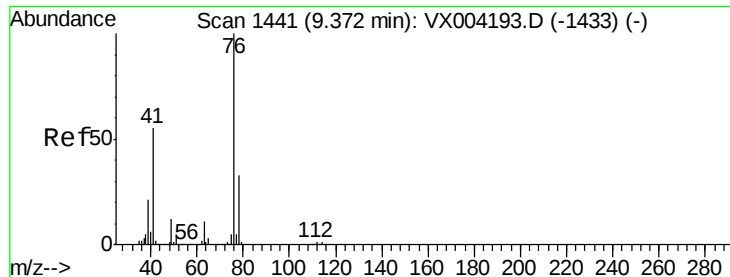
MMDadoda
 8/23/2018 9:39:48 AM



#56
 Ethyl methacrylate
 Concen: 19.28 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004192.D
 Acq: 22 Aug 2018 11:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		104326		
41	63.7	51.0	76.4		
39	33.2	26.1	39.1		





#57

1,3-Dichloropropane

Concen: 20.06 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 134417

Ion Ratio Lower Upper

76 100

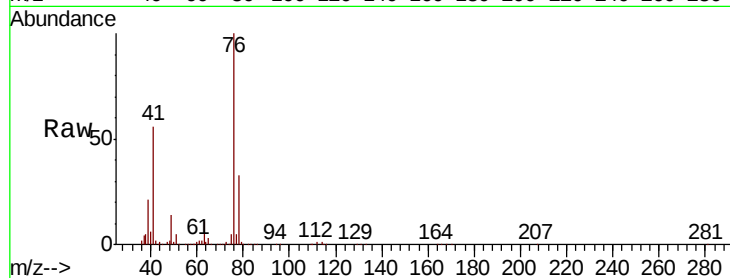
78 32.1 25.5 38.3

Manual Integrations

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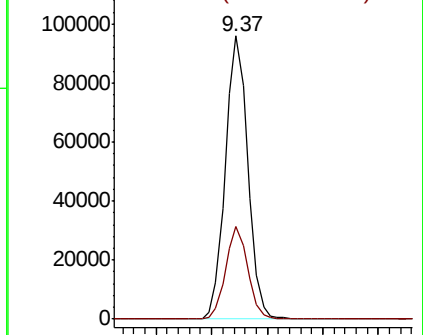
MMDadoda

8/23/2018 9:39:48 AM

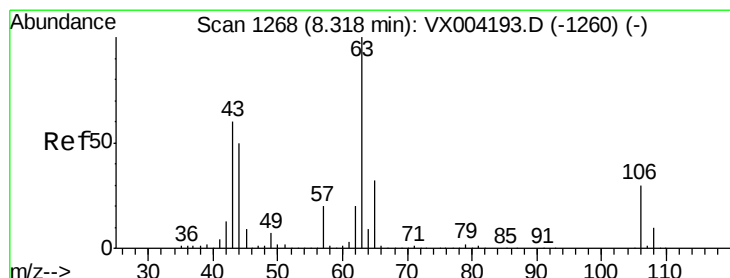
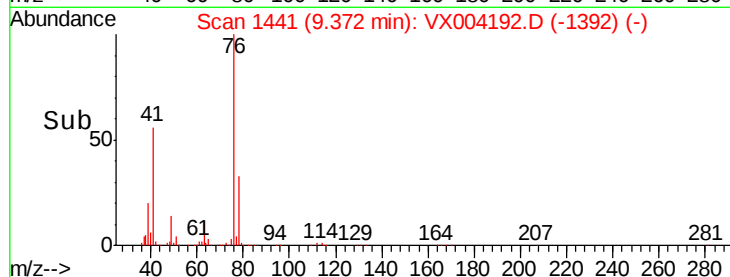


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 95.08 ug/l

RT: 8.31 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VX004192.D

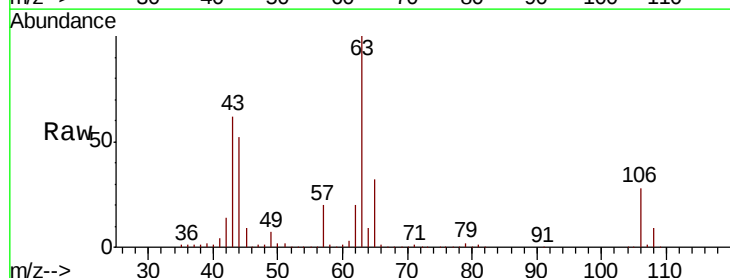
Acq: 22 Aug 2018 11:15

Tgt Ion: 63 Resp: 263638

Ion Ratio Lower Upper

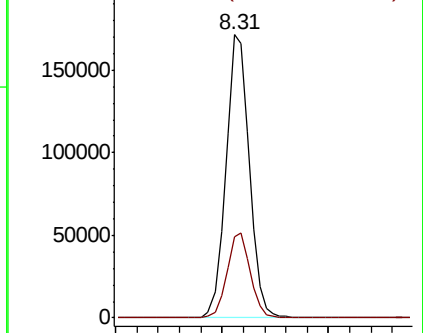
63 100

106 29.8 23.9 35.9

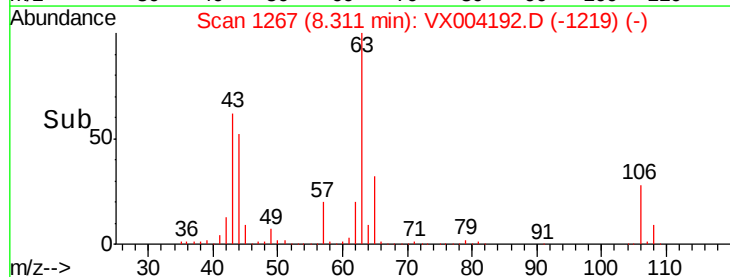


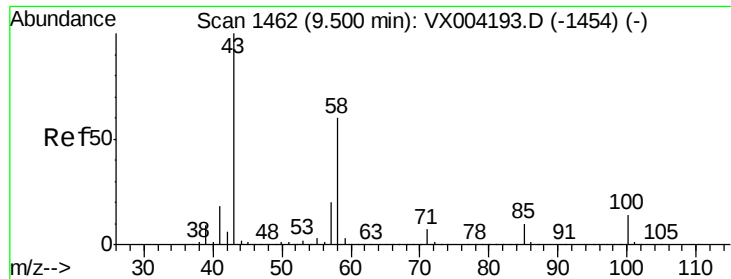
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V



Time-->





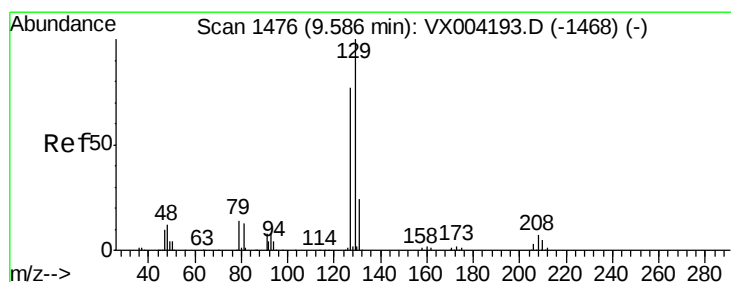
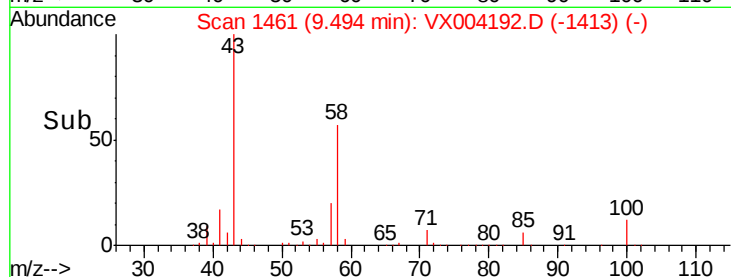
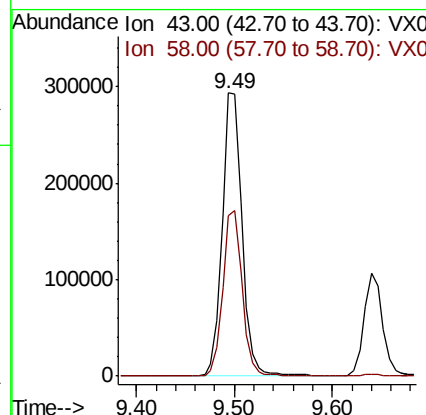
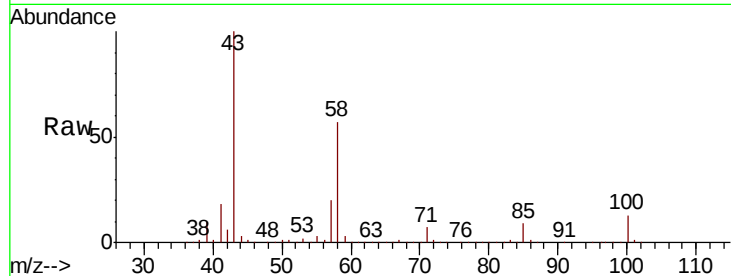
#59
2-Hexanone
Concen: 93.83 ug/l
RT: 9.49 min Scan# 1461
Delta R.T. -0.01 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 413800
Ion Ratio Lower Upper
43 100
58 57.4 29.0 87.0

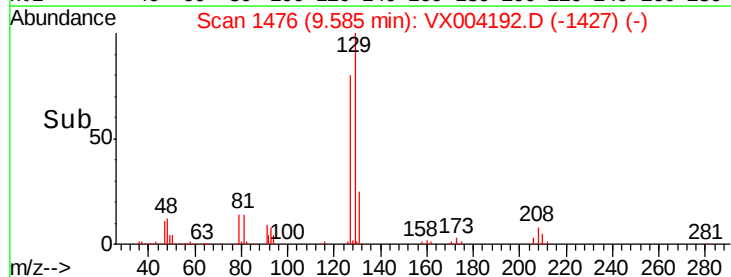
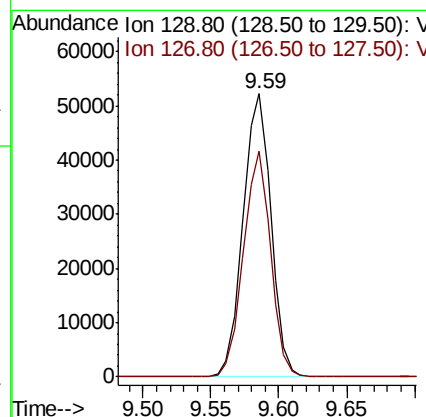
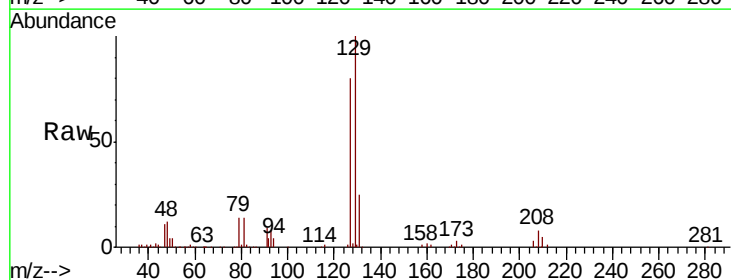
Manual Integrations
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8/23/2018 9:39:48 AM



#60
Dibromochloromethane
Concen: 19.38 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Tgt Ion: 129 Resp: 75038
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.78 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 81383

Ion Ratio Lower Upper

107 100

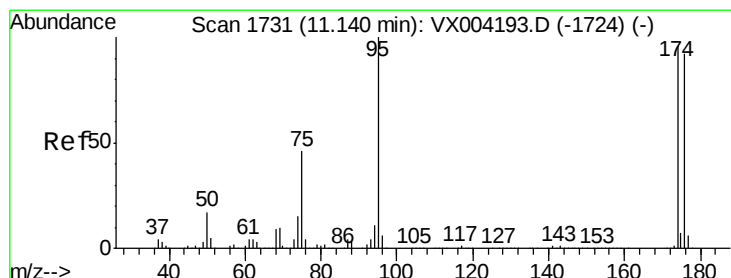
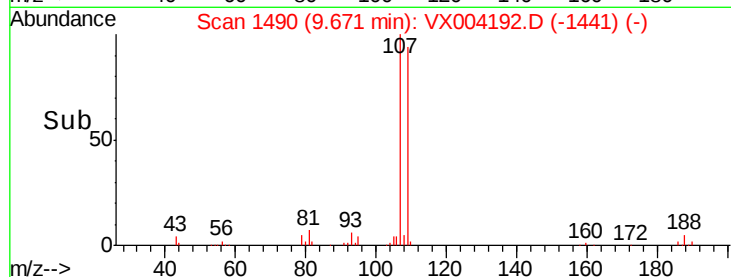
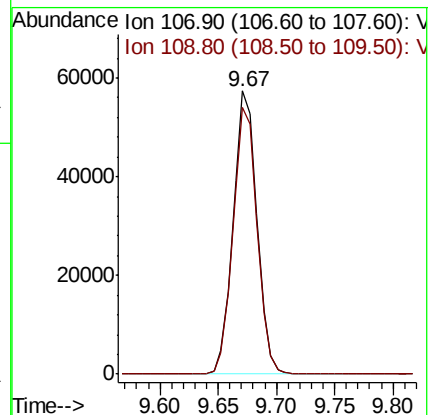
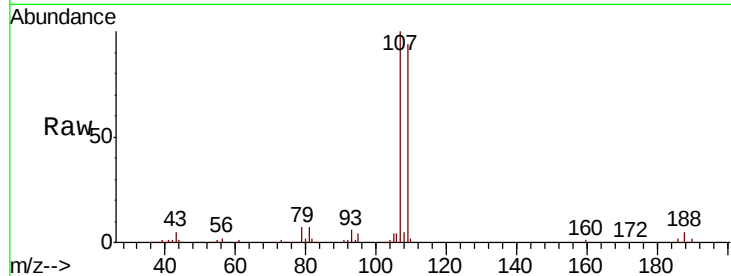
109 95.8 76.0 114.0

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#62

4-Bromofluorobenzene

Concen: 18.78 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

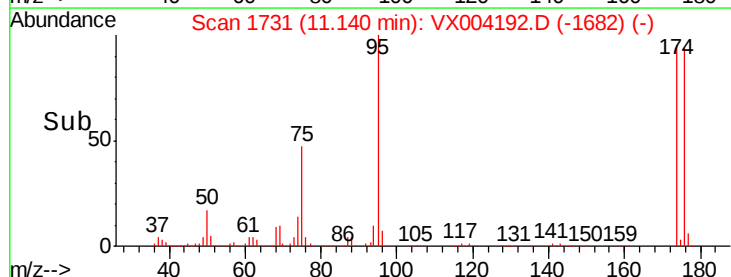
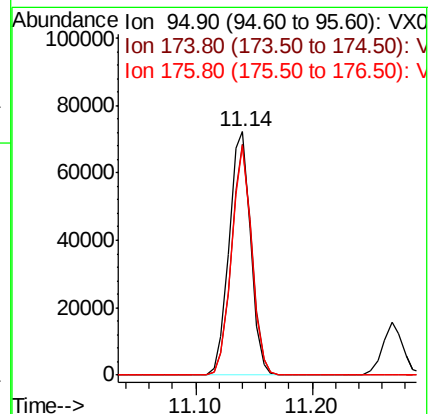
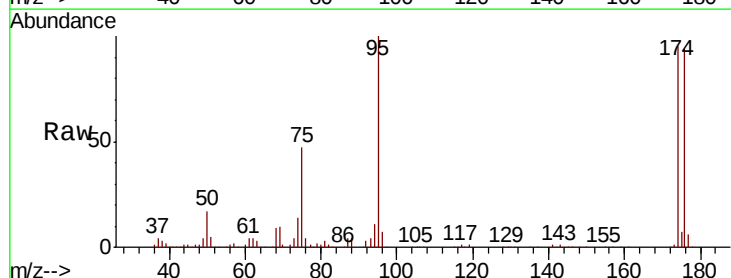
Tgt Ion: 95 Resp: 92155

Ion Ratio Lower Upper

95 100

174 90.2 0.0 185.2

176 88.5 0.0 178.6





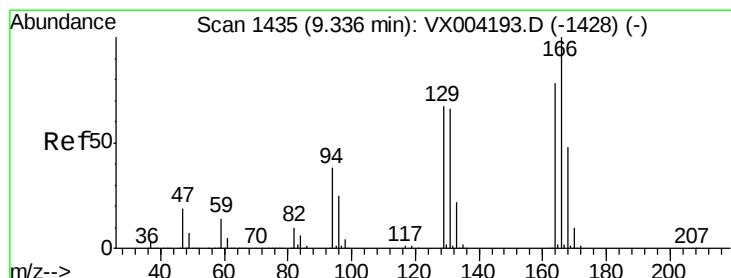
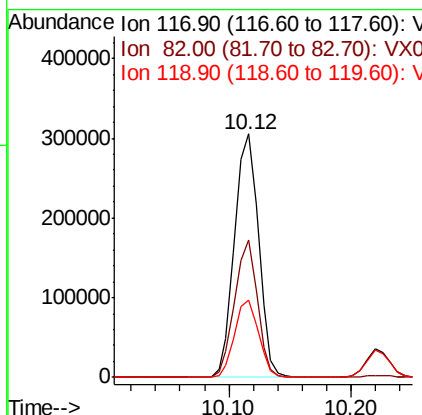
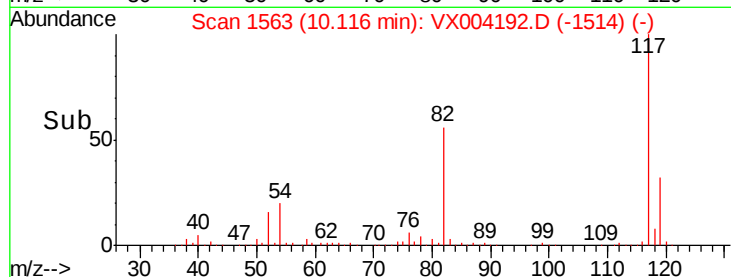
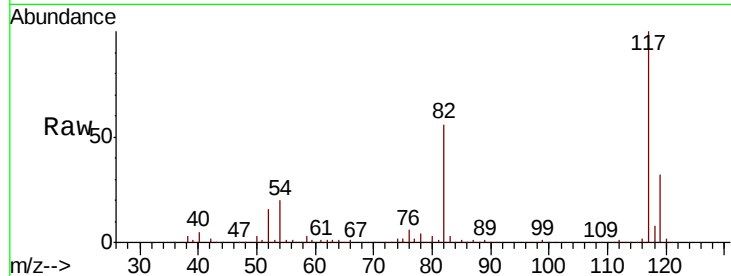
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	47.8	71.6
119	31.6	29.3	43.9

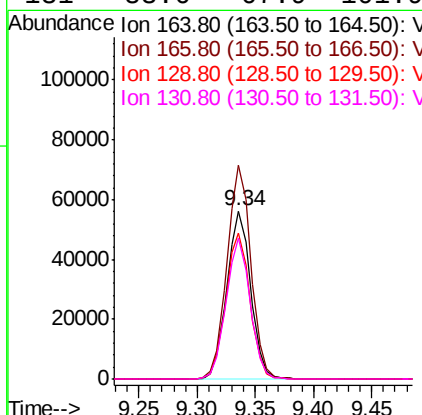
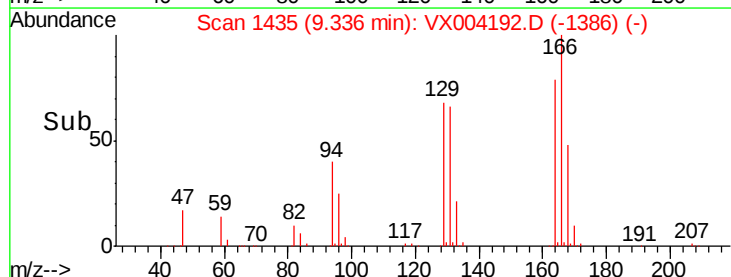
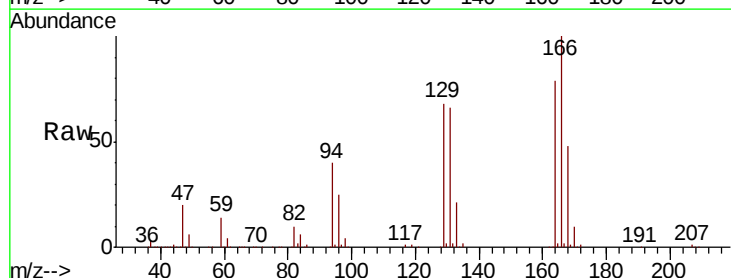
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#64
Tetrachloroethene
Concen: 19.49 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	102.8	154.2
129	86.7	69.4	104.0
131	83.6	67.9	101.9





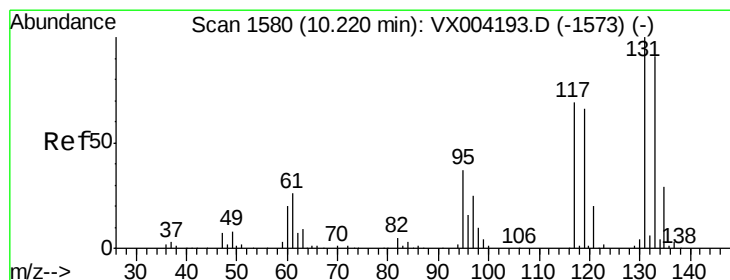
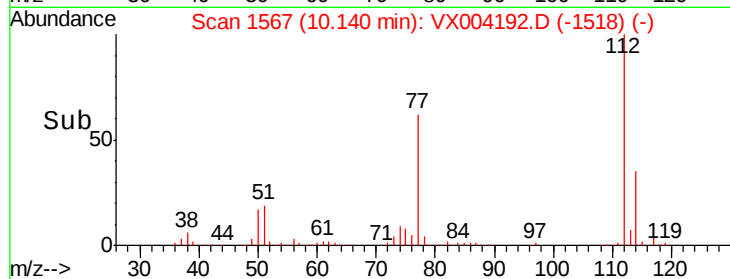
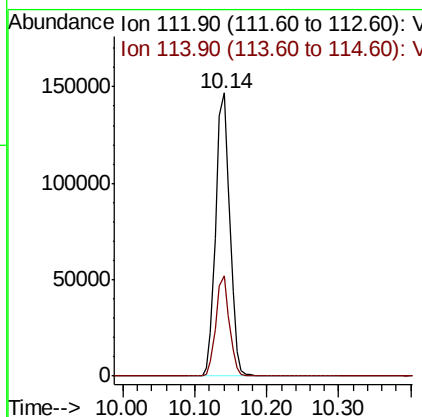
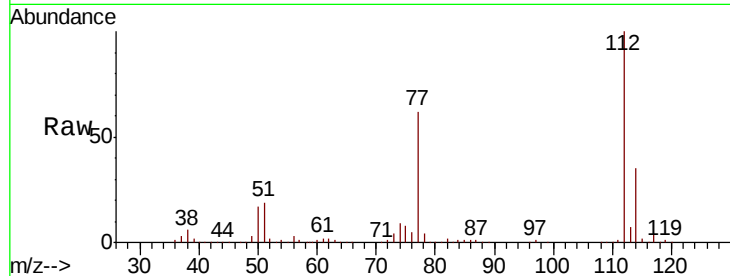
#65
Chlorobenzene
Concen: 19.08 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 198990
Ion Ratio Lower Upper
112 100
114 35.4 27.8 41.8

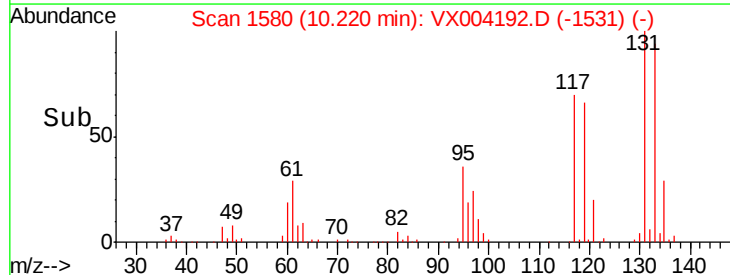
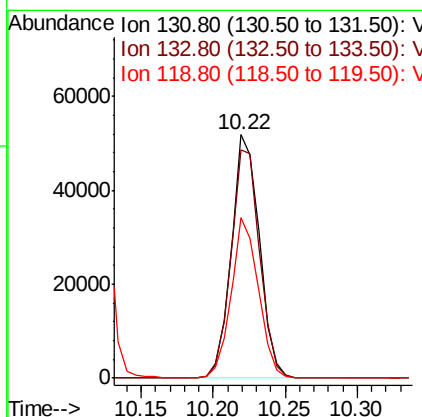
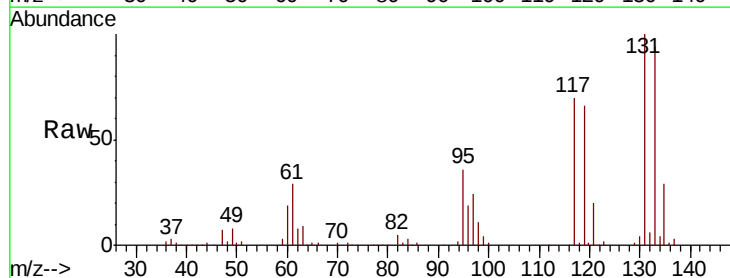
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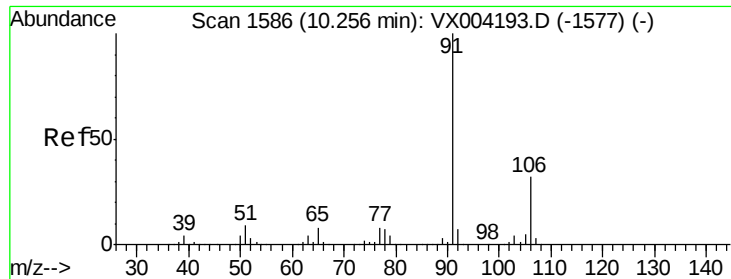
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.64 ug/l
RT: 10.22 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Tgt Ion:131 Resp: 70626
Ion Ratio Lower Upper
131 100
133 96.4 48.1 144.4
119 64.6 32.9 98.6





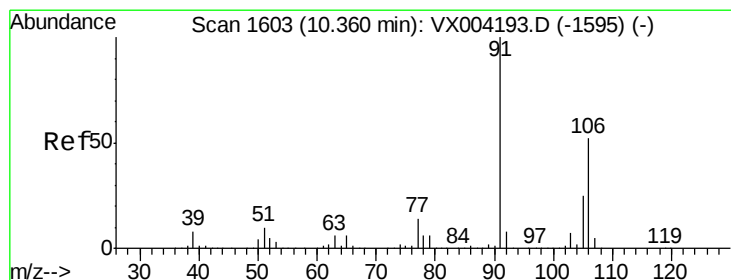
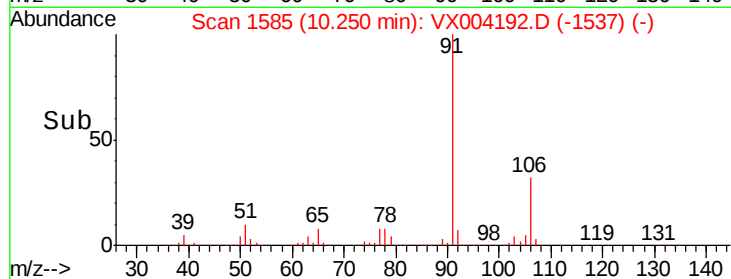
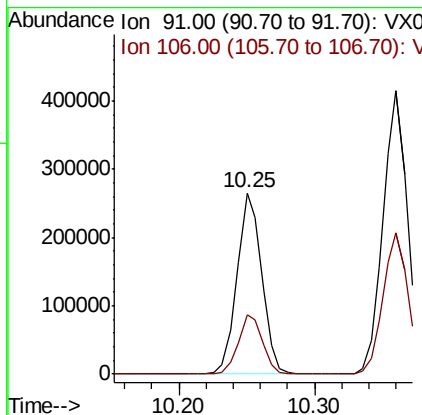
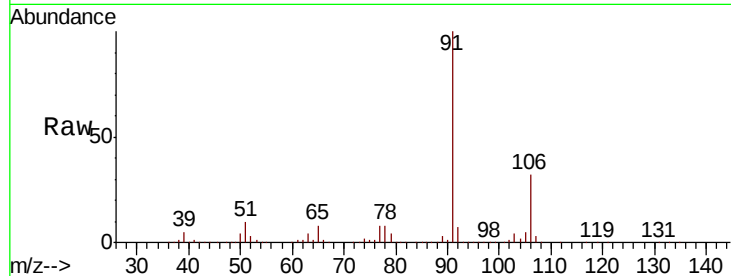
#67
Ethyl Benzene
Concen: 19.80 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 335397
Ion Ratio Lower Upper
91 100
106 32.5 25.9 38.9

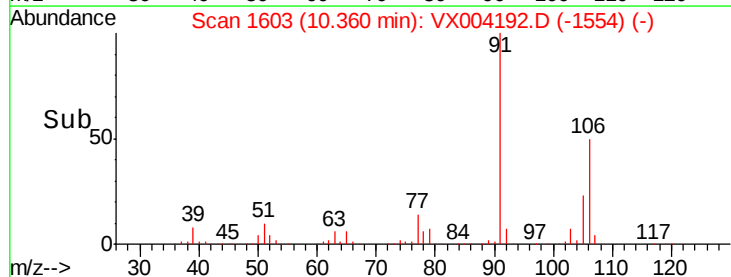
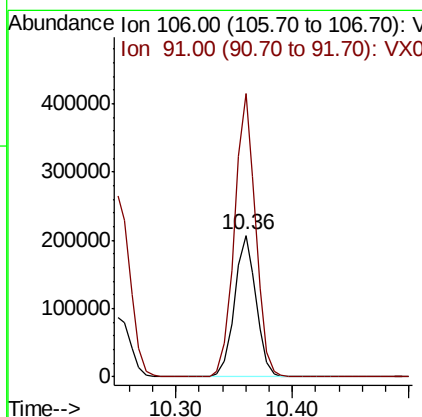
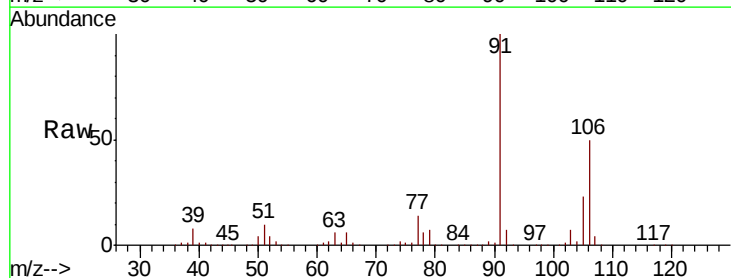
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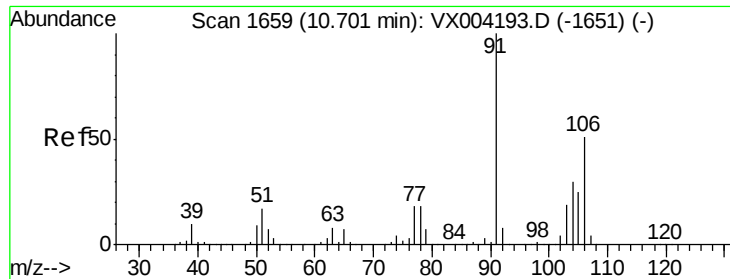
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#68
m/p-Xylenes
Concen: 40.13 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Tgt Ion: 106 Resp: 265735
Ion Ratio Lower Upper
106 100
91 195.8 157.1 235.7





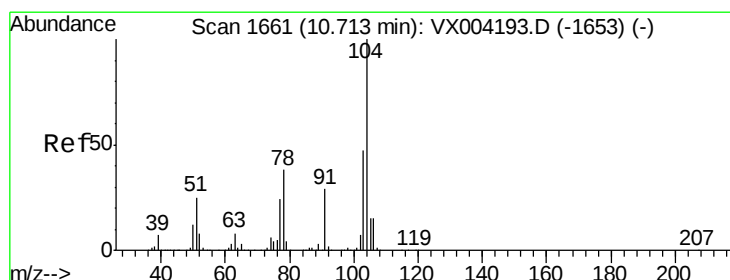
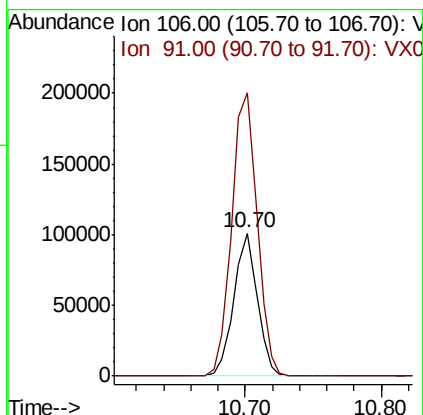
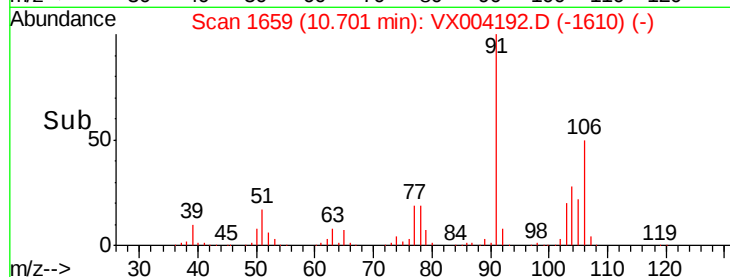
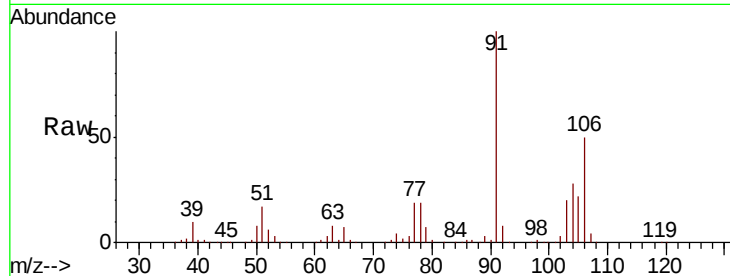
#69
o-Xylene
Concen: 19.50 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.2	105.1	315.1

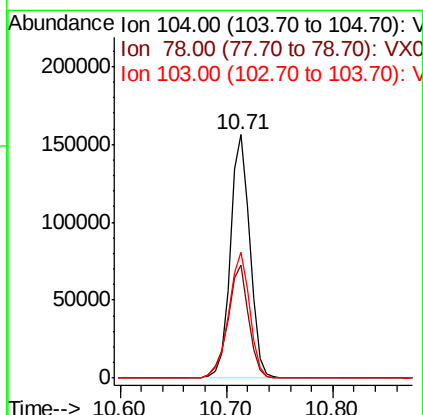
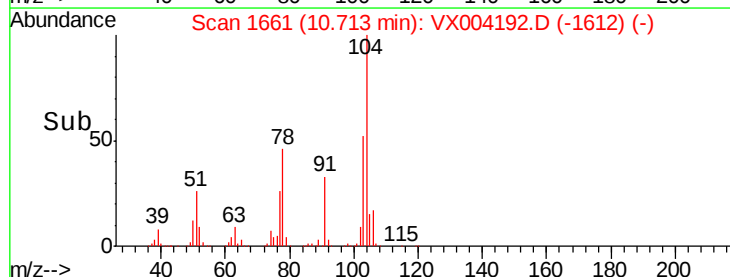
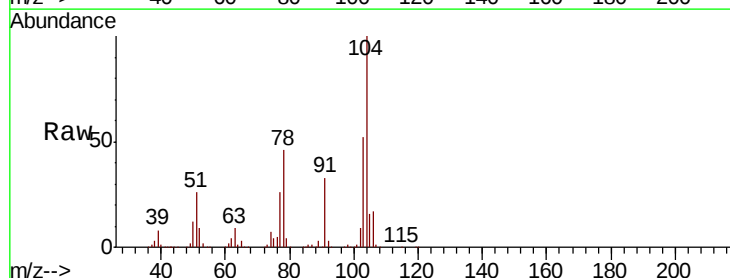
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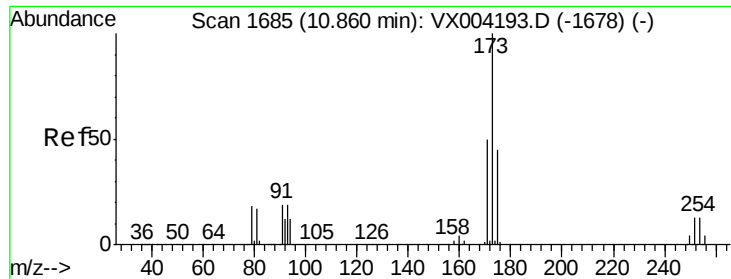
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#70
Styrene
Concen: 19.87 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.5	37.4	56.0
103	55.6	43.8	65.6





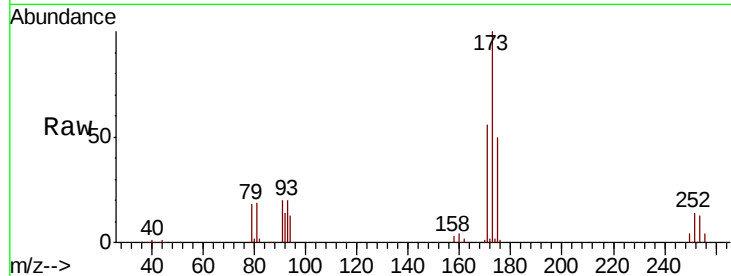
#71
Bromoform
Concen: 18.36 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.1	72.3
254	0.2	0.2	0.2

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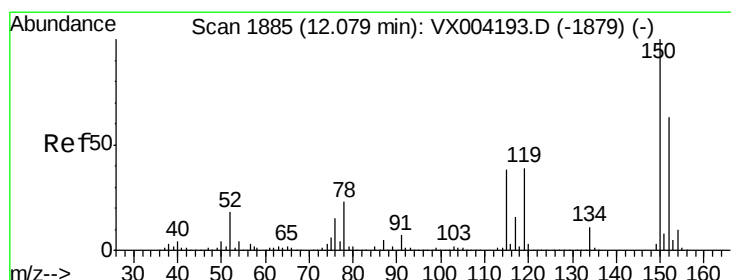
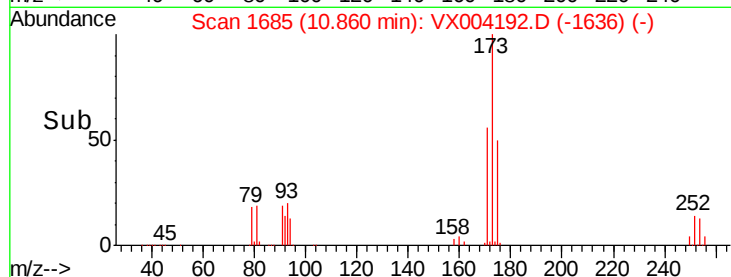
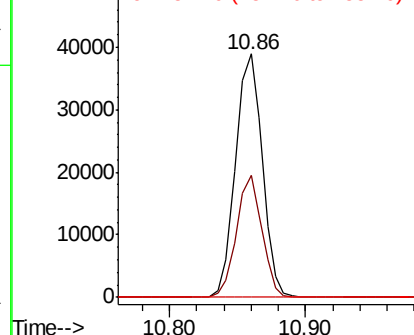


Abundance

Ion 172.70 (172.40 to 173.40): V

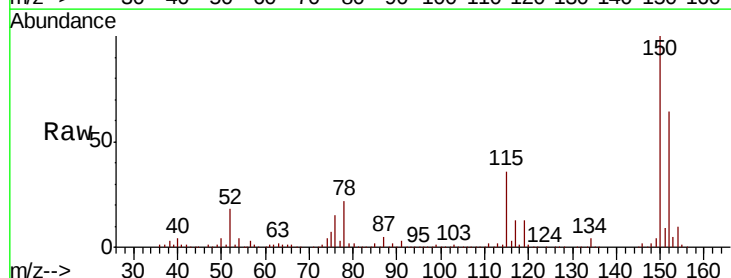
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.7	39.0	117.0
150	161.8	0.0	351.0

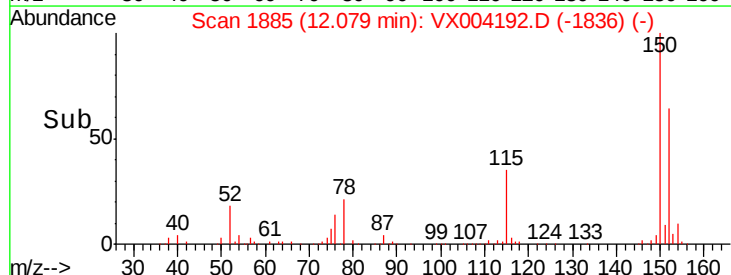
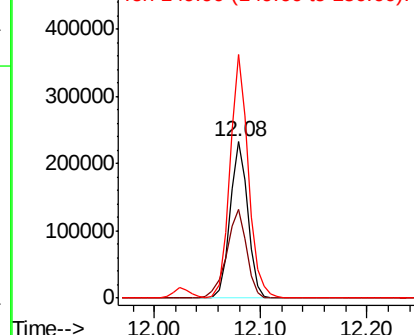


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.38 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 361633

Ion Ratio Lower Upper

105 100

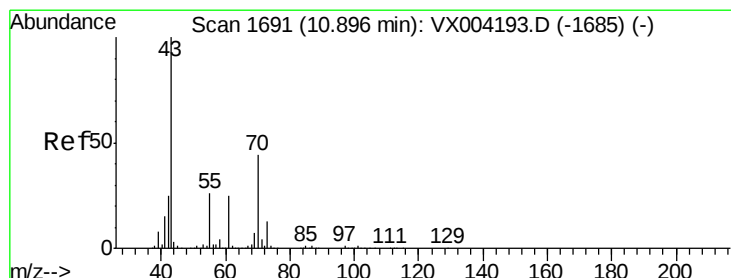
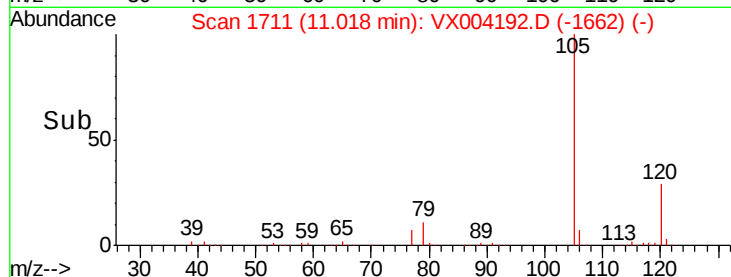
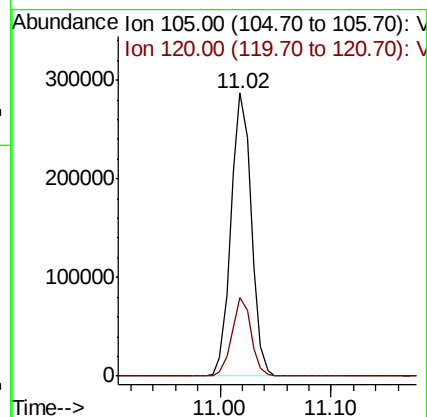
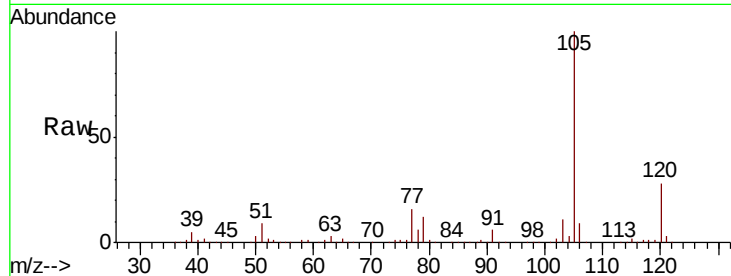
120 26.3 13.5 40.4

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#74

N-ethyl acetate

Concen: 19.20 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

Tgt Ion: 43 Resp: 131155

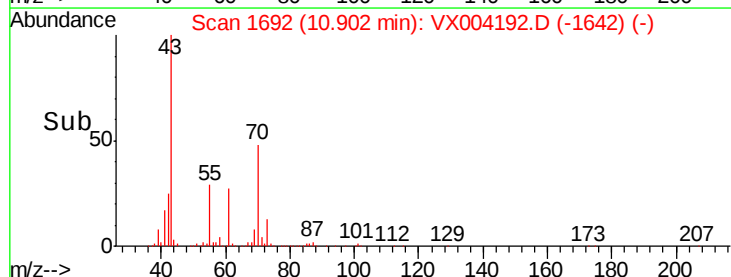
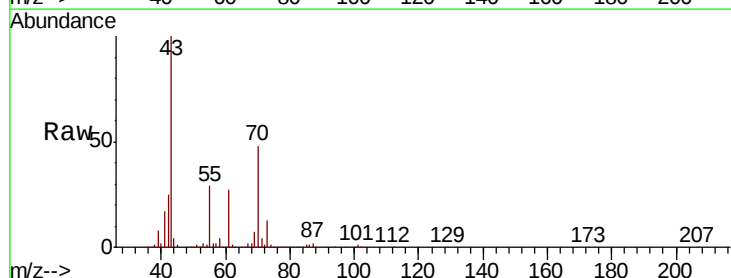
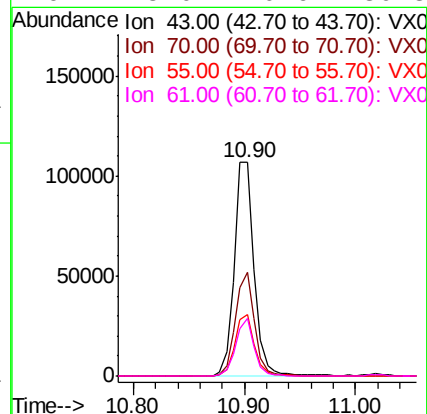
Ion Ratio Lower Upper

43 100

70 46.7 37.4 56.0

55 28.7 21.8 32.8

61 25.0 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.45 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 120732

Ion Ratio Lower Upper

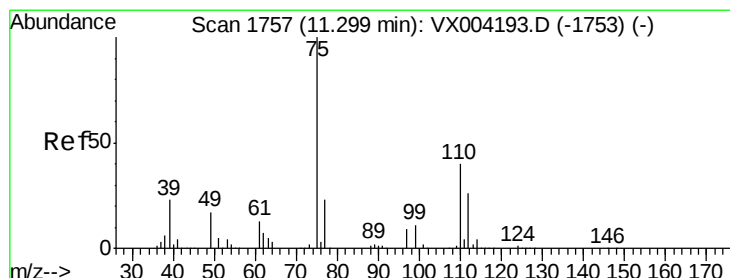
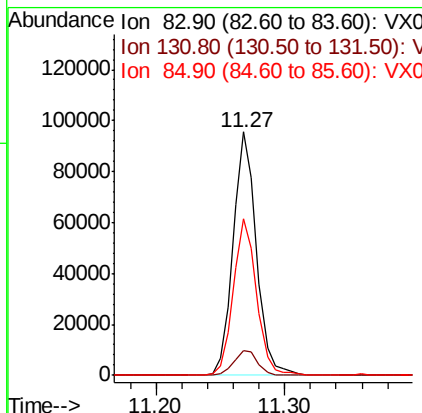
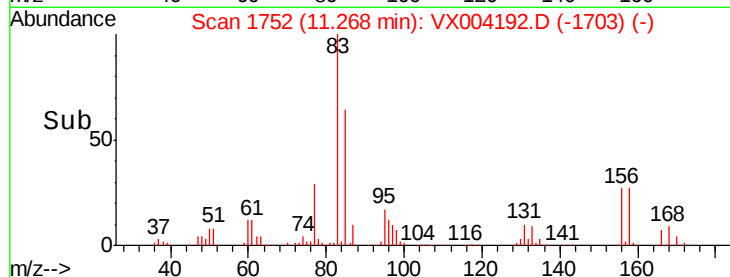
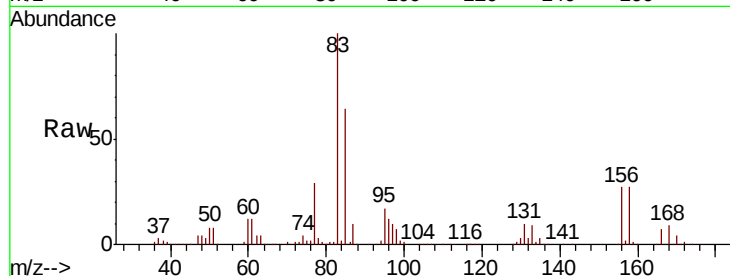
83 100

131 10.4 5.2 15.6

85 64.2 32.3 96.8

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#76

1,2,3-Trichloropropane

Concen: 21.19 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004192.D

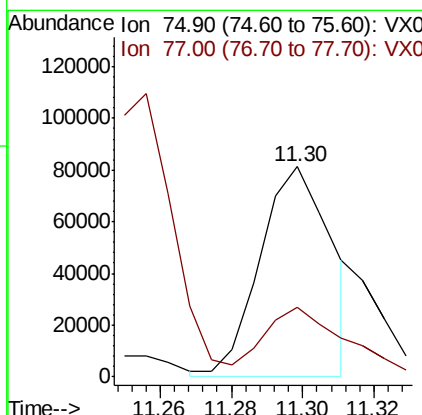
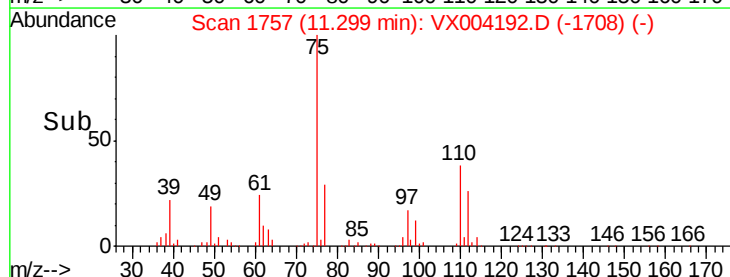
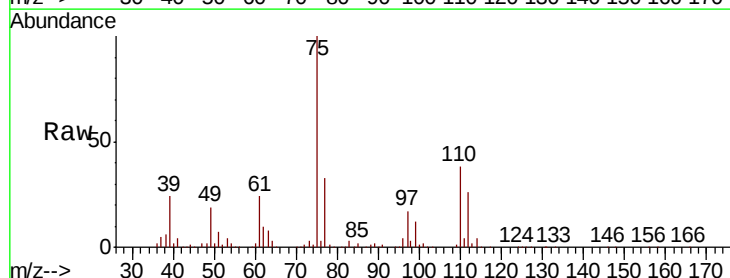
Acq: 22 Aug 2018 11:15

Tgt Ion: 75 Resp: 112998

Ion Ratio Lower Upper

75 100

77 38.2 20.2 60.6





#77

Bromobenzene

Concen: 19.03 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

Instrument :

MSVOA_X

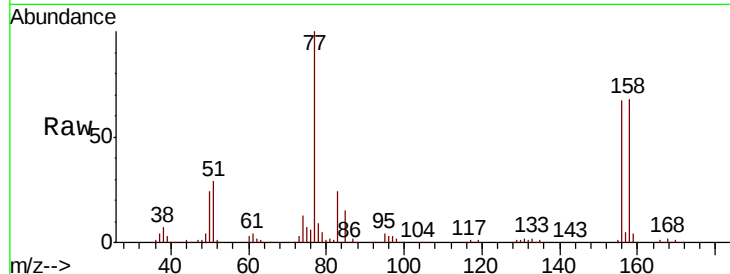
ClientSampleId :

VSTDIC020

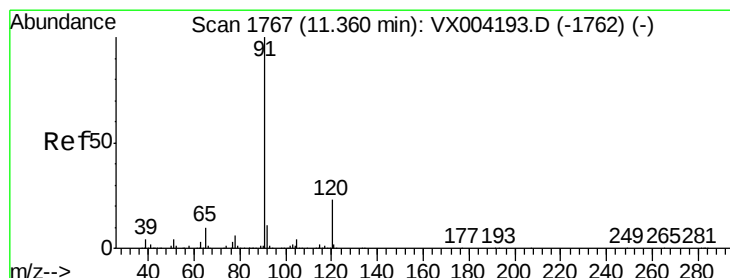
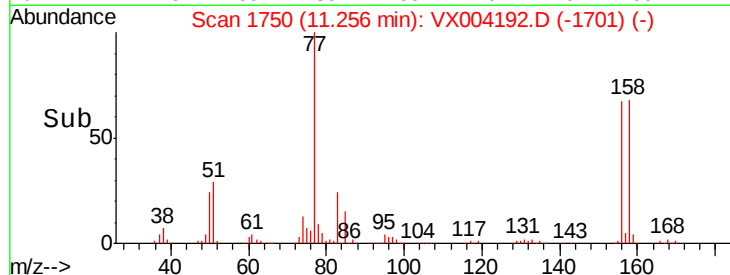
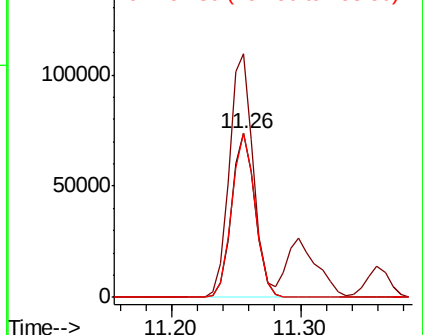
Tot Ion:	156	Resp:	94696
Ion	Ratio	Lower	Upper
156	100		
77	150.5	71.5	214.3
158	99.7	48.9	146.8

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.49 ug/l

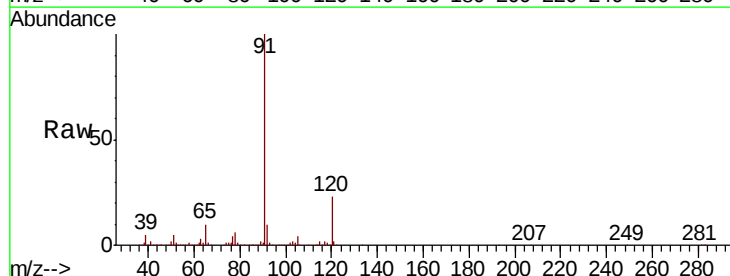
RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

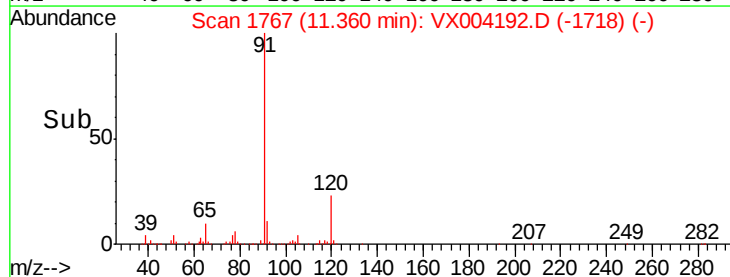
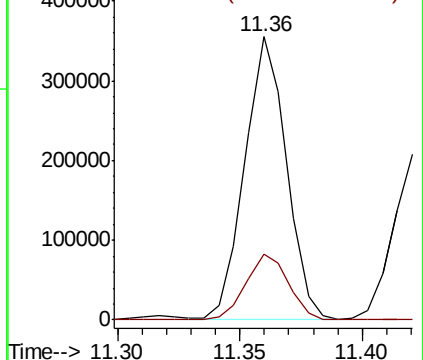
Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

Tgt Ion:	91	Resp:	418085
Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.9	35.9



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





#79

2-Chlorotoluene

Concen: 19.84 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 249133

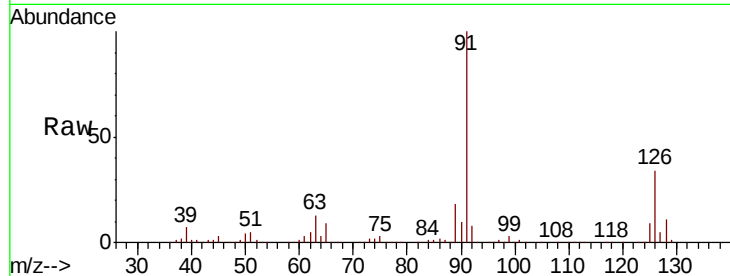
Ion Ratio Lower Upper

91 100

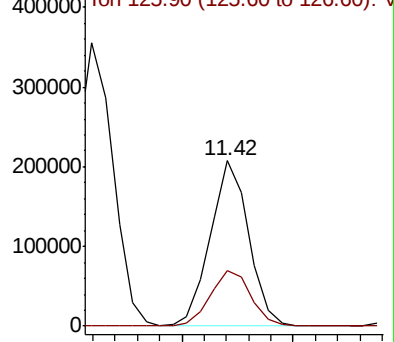
126 35.4 17.9 53.7

Manual Integrations
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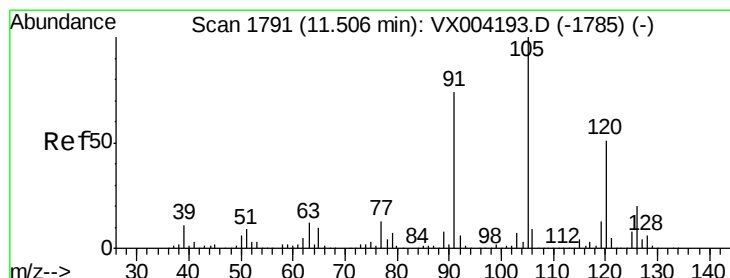
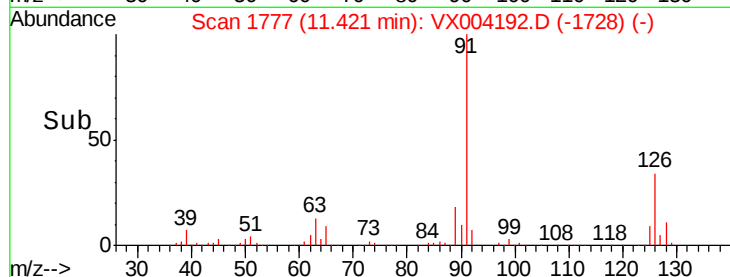
MMDadoda
8/23/2018 9:39:48 AM



Abundance Ion 91.00 (90.70 to 91.70): VX004193.D (-1772) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.94 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004192.D

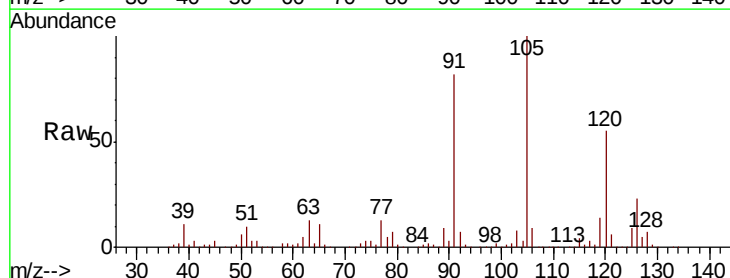
Acq: 22 Aug 2018 11:15

Tgt Ion: 105 Resp: 292990

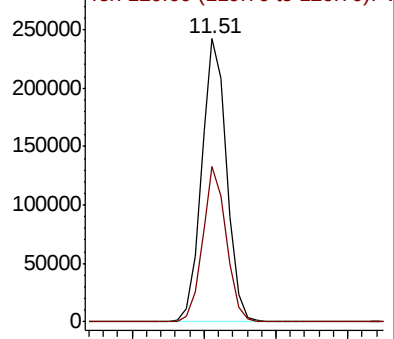
Ion Ratio Lower Upper

105 100

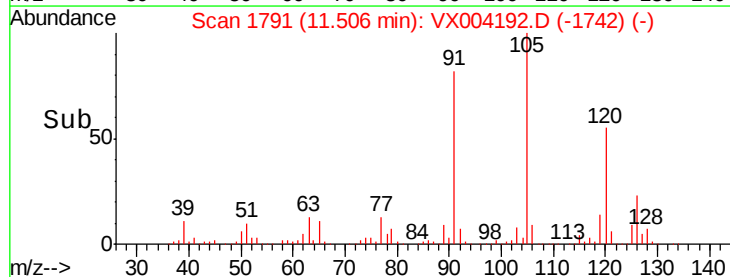
120 52.4 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004193.D (-1785) (-)



Time-->





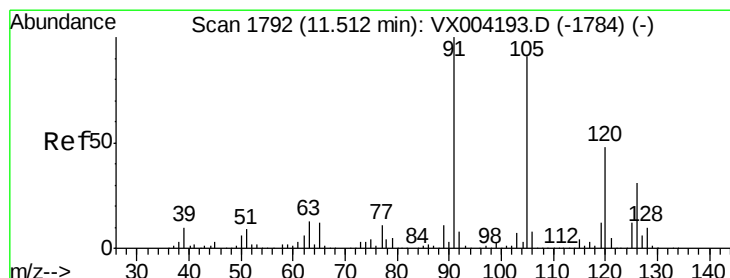
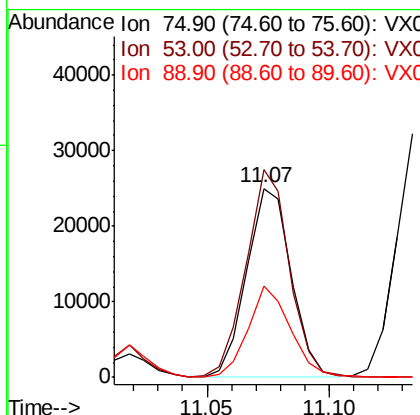
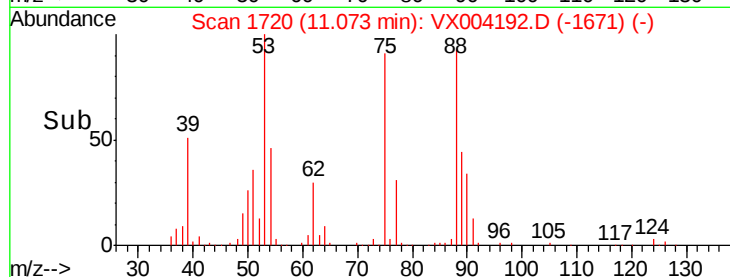
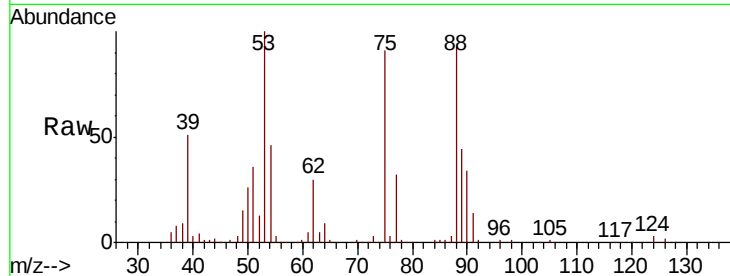
#81
trans-1,4-Dichloro-2-butene
Concen: 18.61 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. -0.00 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.6	80.1	120.1
89	46.4	37.2	55.8

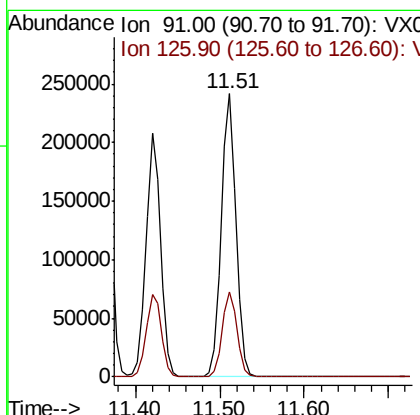
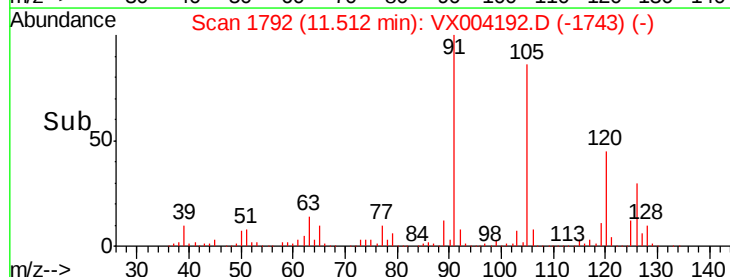
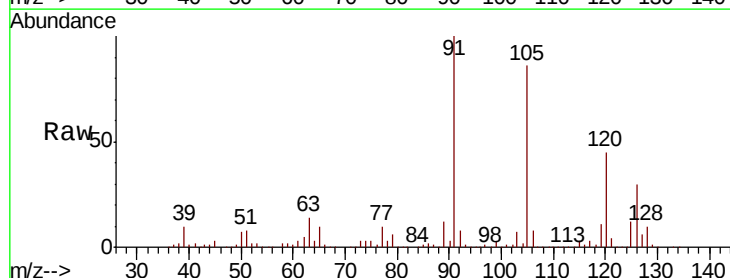
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8/23/2018 9:39:48 AM



#82
4-Chlorotoluene
Concen: 19.83 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.5	46.5





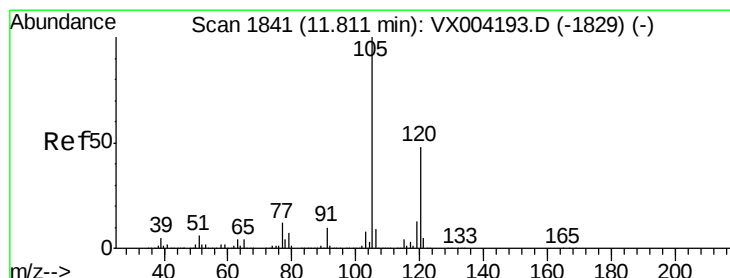
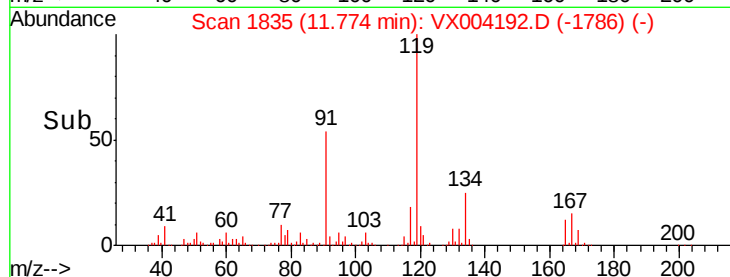
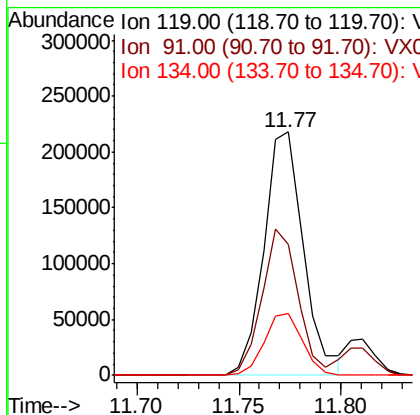
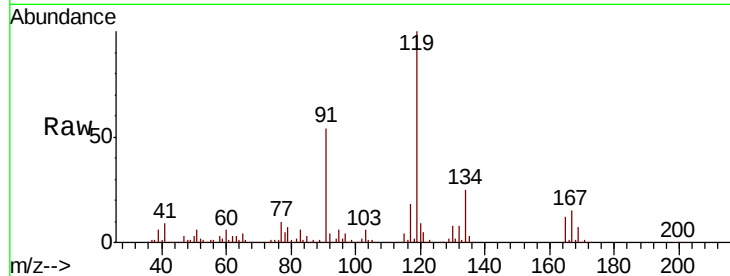
#83
 tert-Butylbenzene
 Concen: 19.93 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004192.D
 Acq: 22 Aug 2018 11:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	294568		
91	54.9	27.0	81.0	
134	24.5	11.7	35.1	

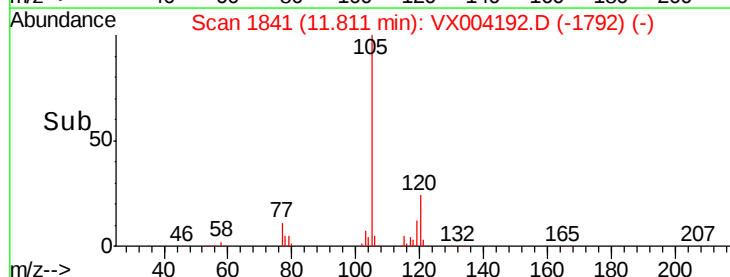
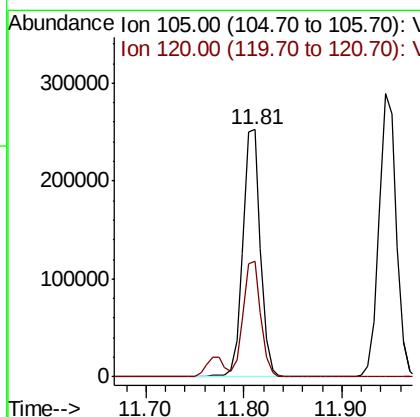
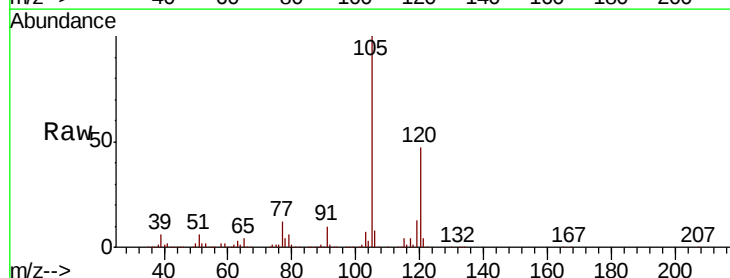
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.89 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004192.D
 Acq: 22 Aug 2018 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	314981		
120	46.7	23.2	69.6	





#85

sec-Butylbenzene

Concen: 20.21 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 354618

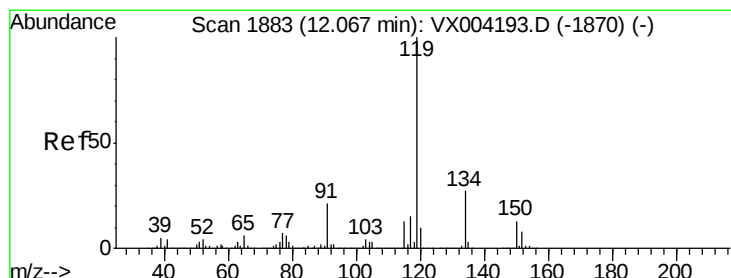
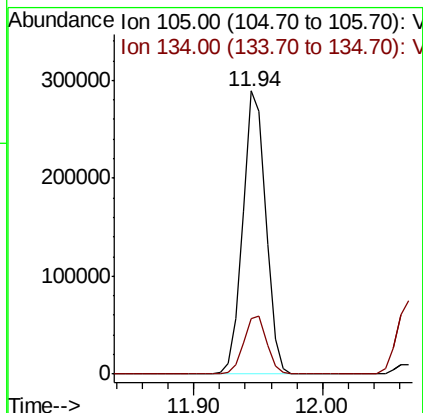
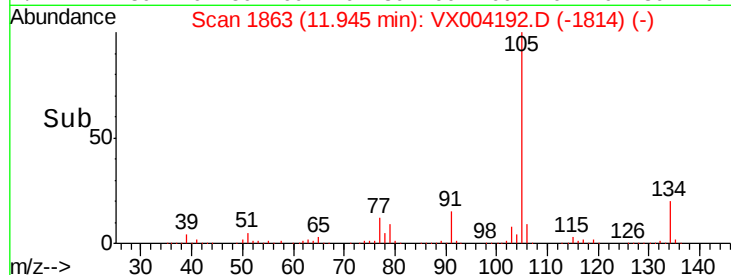
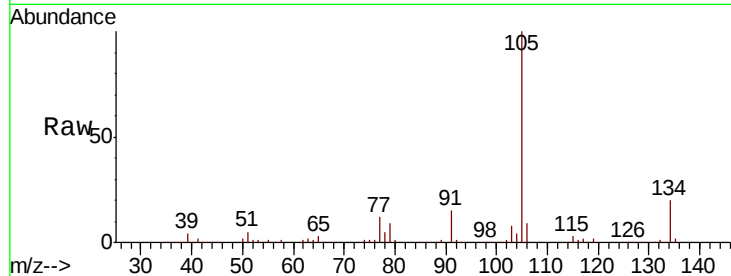
Ion Ratio Lower Upper

105 100

134 20.7 10.5 31.5

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.40 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004192.D

Acq: 22 Aug 2018 11:15

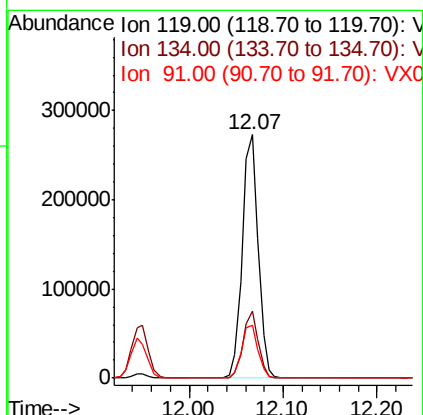
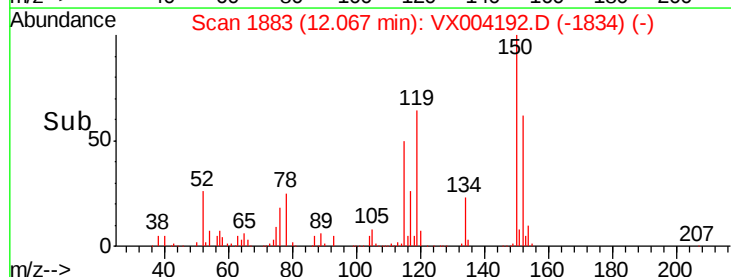
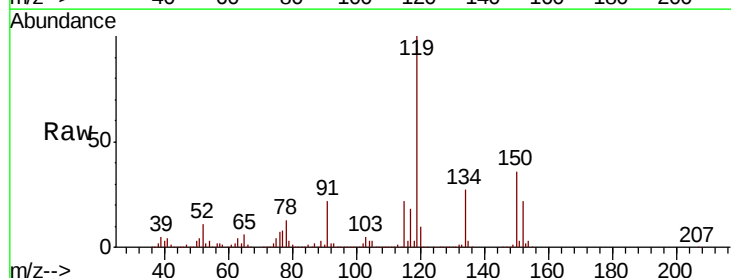
Tgt Ion:119 Resp: 320810

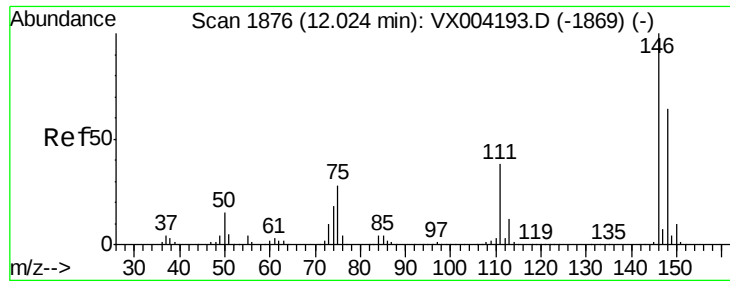
Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.2

91 22.4 10.9 32.7





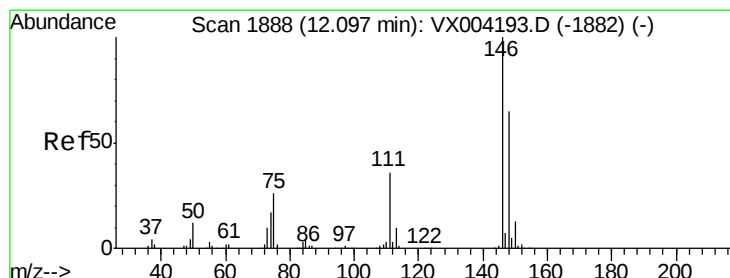
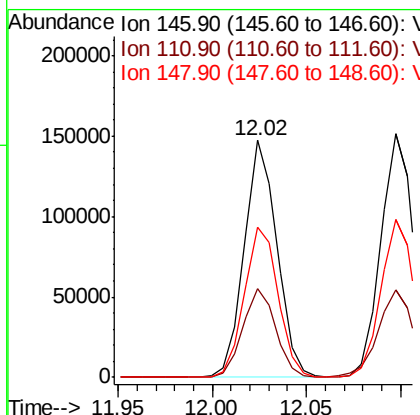
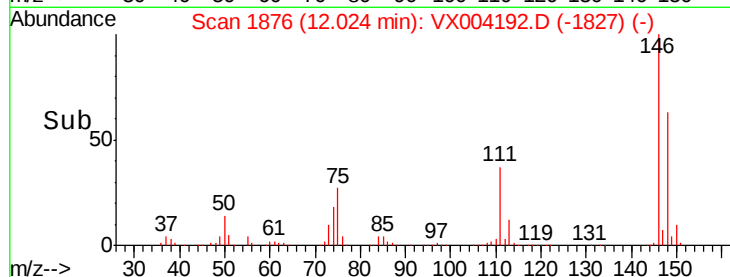
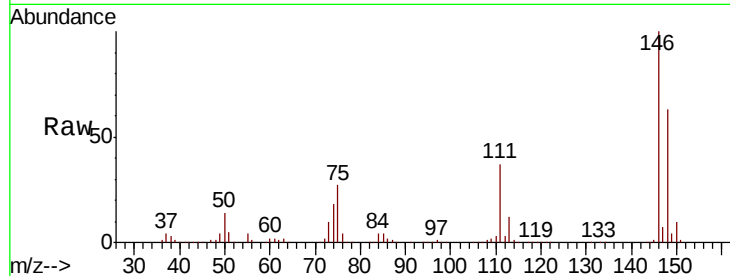
#87
 1,3-Dichlorobenzene
 Concen: 18.97 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004192.D
 Acq: 22 Aug 2018 11:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.7	56.1
148	65.4	32.1	96.5

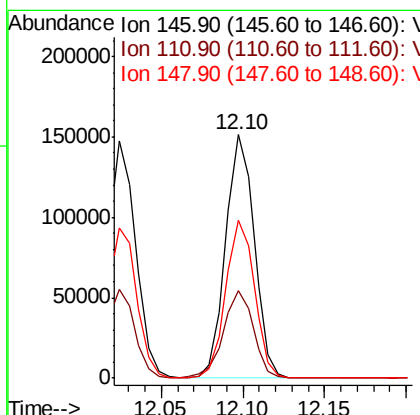
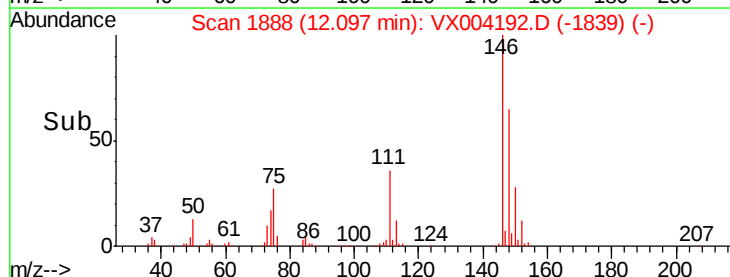
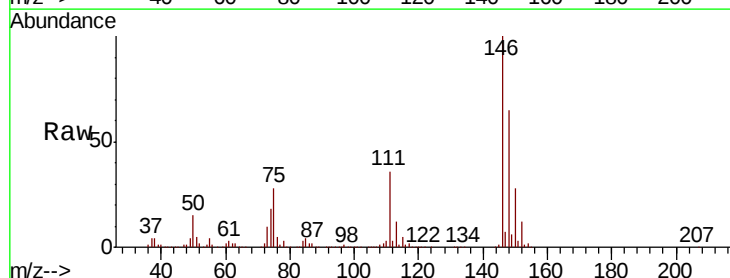
Manual Integrations
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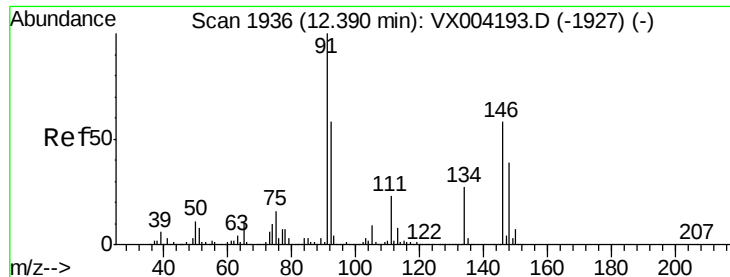
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#88
 1,4-Dichlorobenzene
 Concen: 18.76 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004192.D
 Acq: 22 Aug 2018 11:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.1	54.1
148	65.3	32.0	96.0





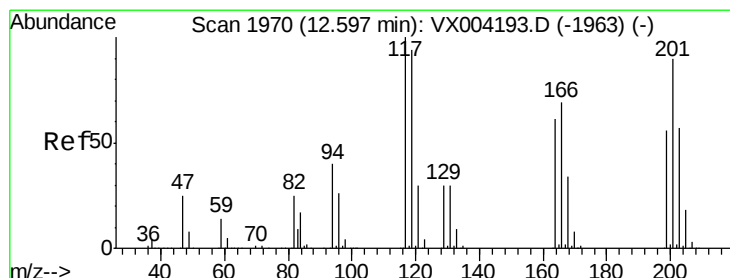
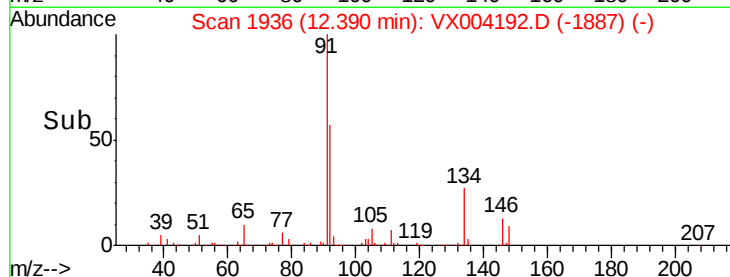
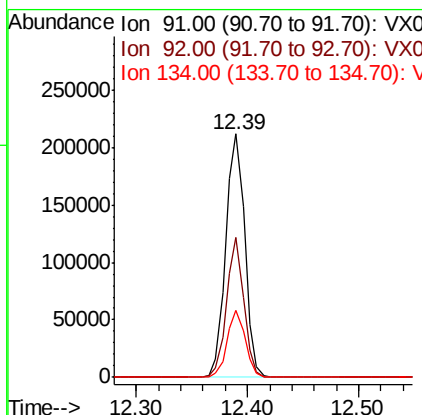
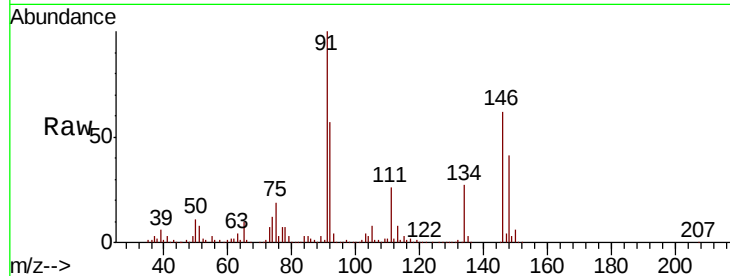
#89
n-Butylbenzene
Concen: 19.58 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	27.3	81.9
134	26.0	13.6	40.7

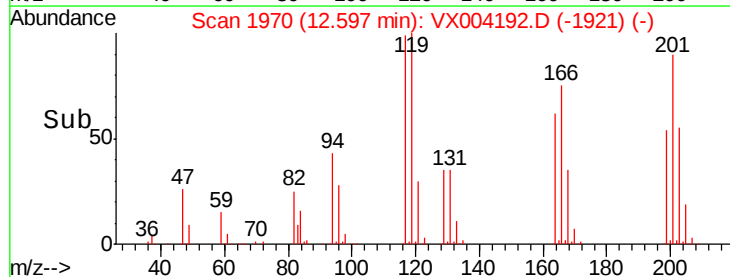
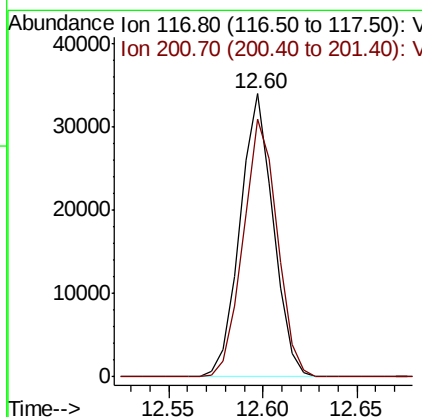
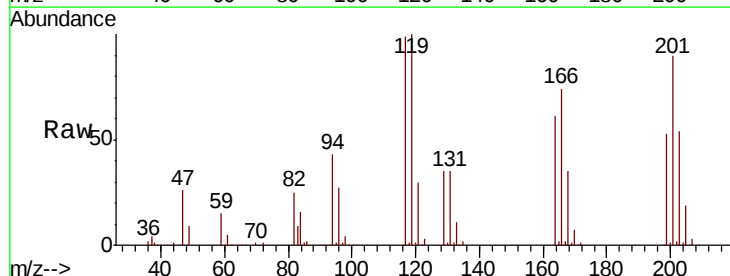
Manual Integrations
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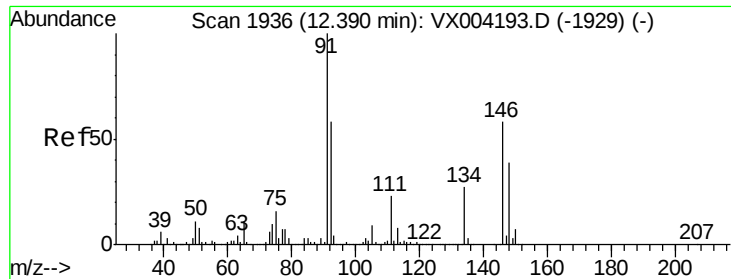
MMDadoda
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#90
Hexachloroethane
Concen: 18.87 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.3	46.9	140.6





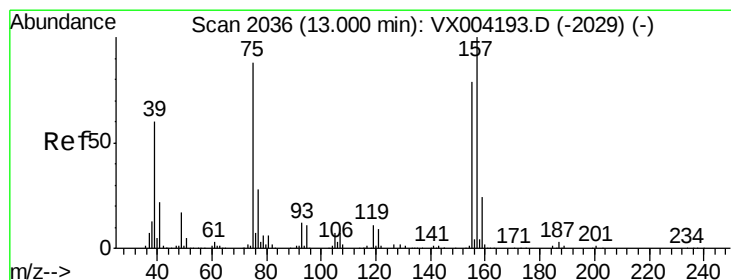
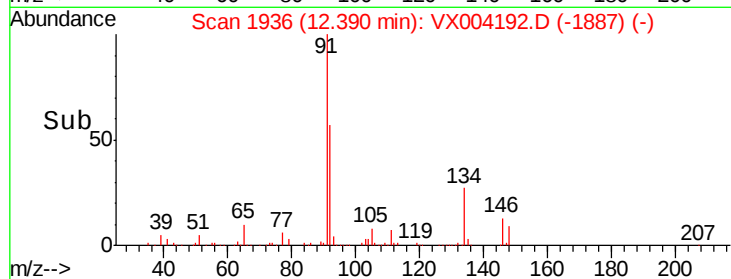
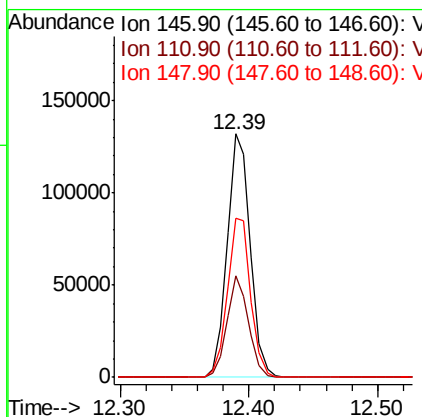
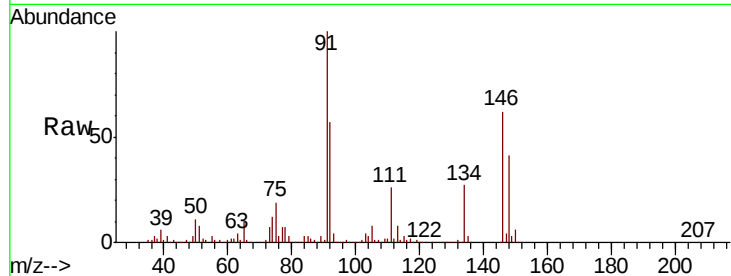
#91
 1,2-Dichlorobenzene
 Concen: 19.35 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004192.D
 Acq: 22 Aug 2018 11:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	165745		
111	39.2	19.4	58.1	
148	65.6	32.8	98.3	

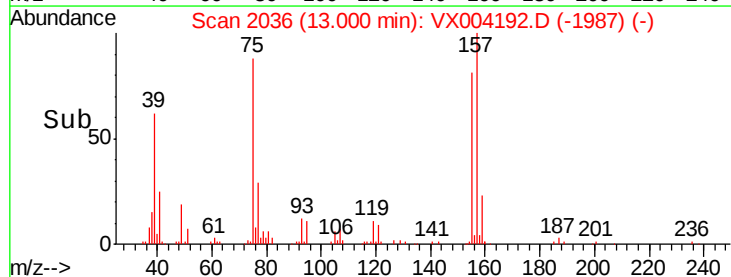
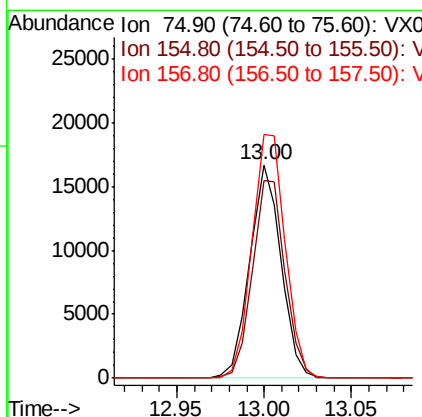
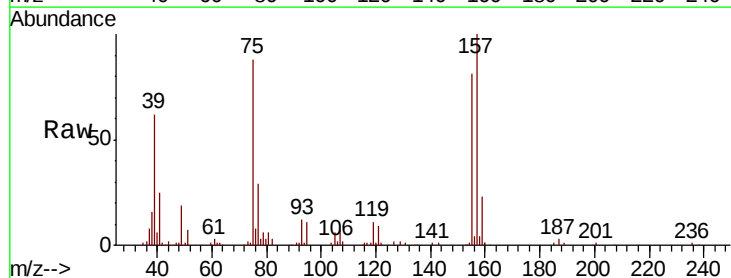
Manual Integrations
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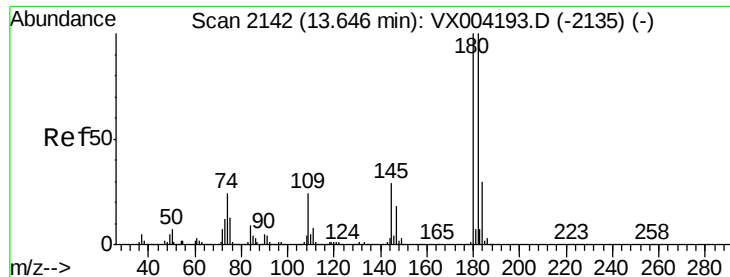
MMDadoda
 8/23/2018 9:39:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.97 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004192.D
 Acq: 22 Aug 2018 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20741		
155	96.3	48.0	144.2	
157	121.5	61.4	184.1	





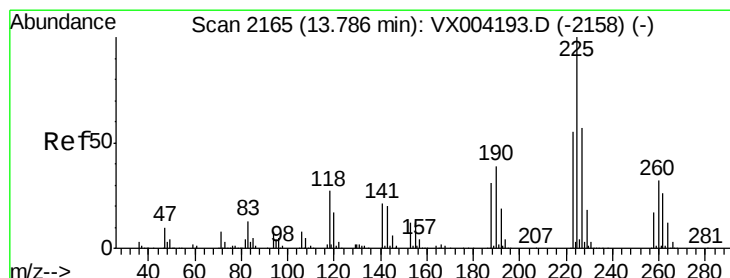
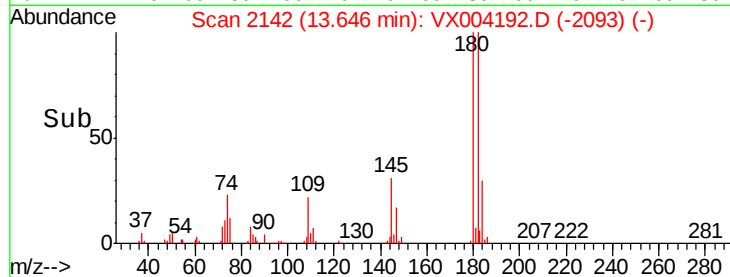
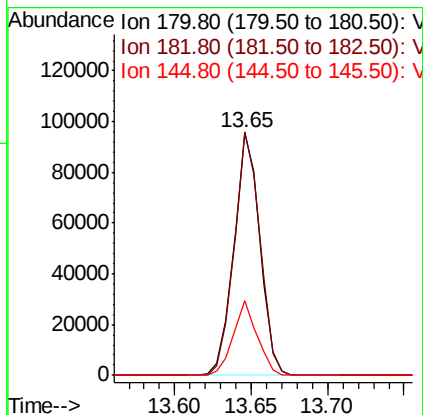
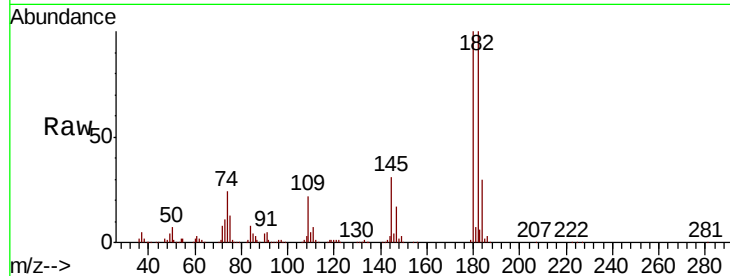
#93
 1,2,4-Trichlorobenzene
 Concen: 18.01 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004192.D
 Acq: 22 Aug 2018 11:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	180	Resp:	112196
Ion Ratio	Lower	Upper	
180	100		
182	99.4	48.4	145.0
145	28.6	14.3	42.9

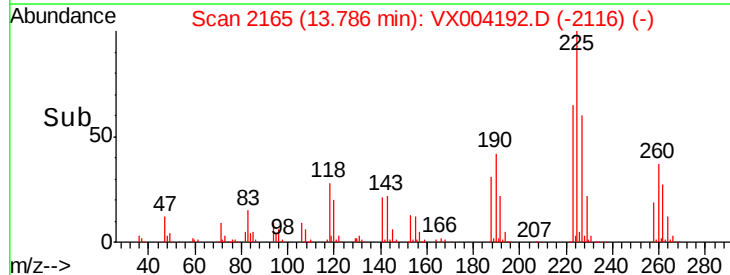
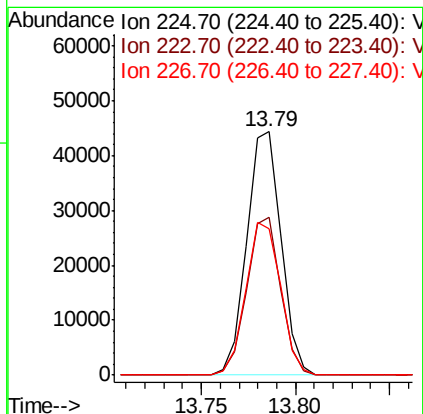
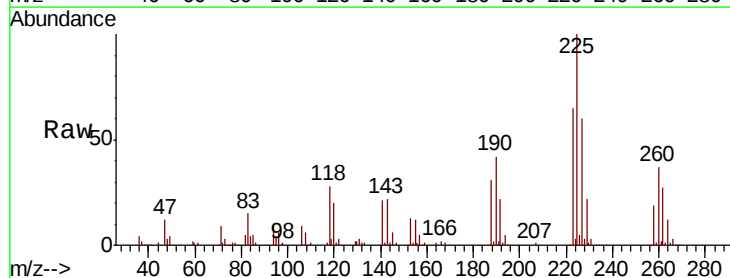
Manual Integrations
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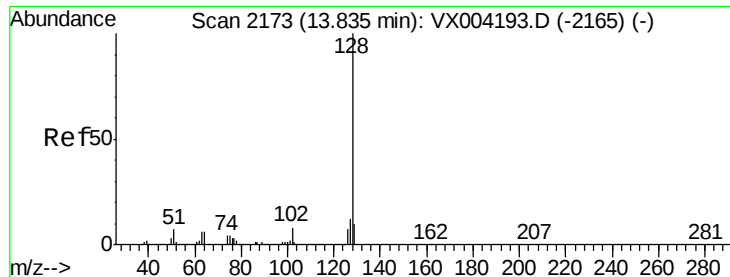
MMDadoda
 8/23/2018 9:39:48 AM



#94
 Hexachlorobutadiene
 Concen: 18.37 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004192.D
 Acq: 22 Aug 2018 11:15

Tgt Ion:	225	Resp:	56206
Ion Ratio	Lower	Upper	
225	100		
223	63.7	30.1	90.5
227	63.3	30.8	92.4





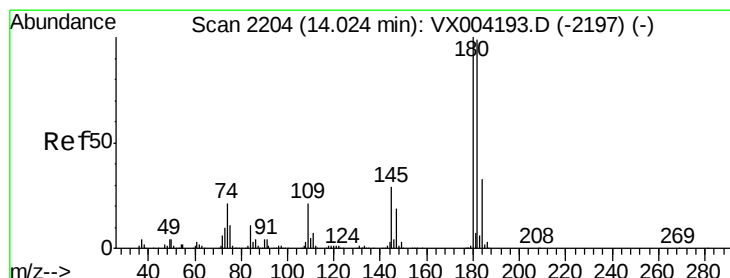
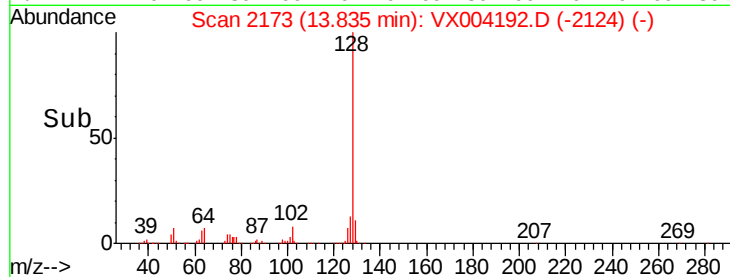
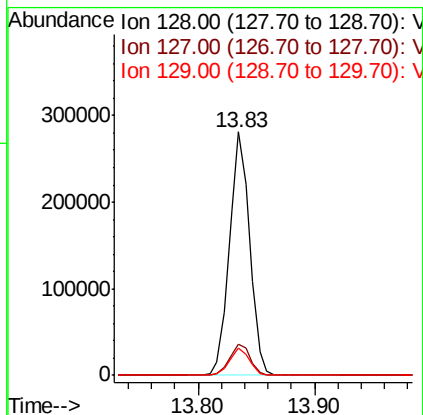
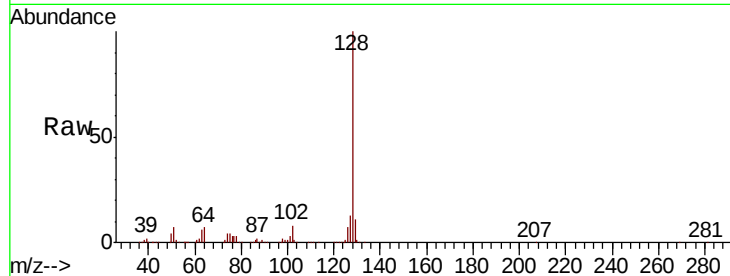
#95
Naphthalene
Concen: 19.31 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	11.0	8.6	12.8

Manual Integrations
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8/23/2018 9:39:48 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.21 ug/l
RT: 14.02 min Scan# 2203
Delta R.T. -0.01 min
Lab File: VX004192.D
Acq: 22 Aug 2018 11:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.5	145.6
145	28.8	14.9	44.9

