

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062218\
 Data File : VX002833.D
 Acq On : 22 Jun 2018 14:15
 Operator : JC/MD
 Sample : VX0622WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0622WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/25/2018 6:56:05 PM

Quant Time: Jun 23 00:18:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X061818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 18 15:18:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	45333	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	241482	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	224722	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	105313	30.42	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.40%
60) 4-Bromofluorobenzene	11.14	95	110770	29.85	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.50%
63) Toluene-d8	8.72	98	301333	30.70	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.33%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	45579	21.07	ug/l	100
3) Chloromethane	1.32	50	46852	19.95	ug/l	100
4) Vinyl Chloride	1.40	62	52175	19.94	ug/l	99
5) Bromomethane	1.64	94	23487	15.36	ug/l	97
6) Chloroethane	1.73	64	33611	19.10	ug/l	93
7) Trichlorofluoromethane	1.93	101	88423	19.01	ug/l	97
8) Diethyl Ether	2.19	74	33109	19.96	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	50872	19.11	ug/l	100
10) 1,1-Dichloroethene	2.37	96	44580	19.02	ug/l	94
11) Methyl Iodide	2.51	142	47998	17.78	ug/l	99
12) Methyl Acetate	2.78	43	83929	22.07	ug/l	97
13) Acrolein	2.29	56	21154	78.23	ug/l	100
14) Acrylonitrile	3.15	53	149438	104.47	ug/l	99
15) Acetone	2.45	58	41386	104.09	ug/l	93
16) Carbon Disulfide	2.57	76	108913	18.56	ug/l	100
17) Allyl chloride	2.73	41	88842	19.05	ug/l	97
18) Methylene Chloride	2.86	84	53448	19.92	ug/l	99
19) trans-1,2-Dichloroethene	3.17	96	47730	18.99	ug/l	100
20) Diisopropyl ether	3.88	45	169913	19.55	ug/l	96
21) 1,1-Dichloroethane	3.70	63	94212	20.16	ug/l	100
22) cis-1,2-Dichloroethene	4.60	96	54043	20.01	ug/l	94
23) tert-Butyl Alcohol	3.07	59	66693	102.69	ug/l	# 100
24) Methyl tert-Butyl Ether	3.21	73	170121	19.44	ug/l	99
25) Chloroform	5.22	83	97731	20.84	ug/l	99
26) Cyclohexane	5.58	56	75577	19.04	ug/l	# 94
29) 1,1-Dichloropropene	5.81	75	64525	19.79	ug/l	96
30) 2-Butanone	4.71	43	208794	111.89	ug/l	98
31) 2,2-Dichloropropane	4.59	77	69356	19.90	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	80443	20.42	ug/l	99
33) Carbon Tetrachloride	5.79	117	72215	20.39	ug/l	98
34) Benzene	6.15	78	200407	20.75	ug/l	99
35) Methacrylonitrile	5.07	41	44854	22.08	ug/l	96
36) 1,2-Dichloroethane	6.20	62	80790	21.31	ug/l	99
37) Trichloroethene	7.21	130	58851	20.81	ug/l	93
38) Methylcyclohexane	7.46	83	75545	19.04	ug/l	98
39) 1,2-Dichloropropane	7.52	63	52500	20.84	ug/l	95
40) Dibromomethane	7.67	93	37511	21.43	ug/l	96

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VX0622WBSD01

Manual Integrations
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Quant Time: Jun 23 00:18:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X061818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 18 15:18:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	66791	20.32	ug/l	98
42) Vinyl Acetate	3.83	43	728113	102.88	ug/l	100
43) Ethyl Acetate	4.87	43	80242	22.48	ug/l	99
44) Isopropyl Acetate	6.47	43	126345	21.13	ug/l	100
45) 1,4-Dioxane	7.76	88	25849	441.25	ug/l #	88
46) Methyl methacrylate	7.78	41	66153	21.65	ug/l	98
47) n-amyl Acetate	10.90	43	110369	19.56	ug/l #	90
48) t-1,3-Dichloropropene	8.44	75	76245	19.75	ug/l	97
49) cis-1,3-Dichloropropene	9.04	75	69515	19.28	ug/l	97
50) 1,1,2-Trichloroethane	9.22	97	54857	21.25	ug/l	97
51) Ethyl methacrylate	9.18	69	80004	20.53	ug/l	97
52) 1,3-Dichloropropane	9.37	76	89539	21.23	ug/l	99
53) Dibromochloromethane	9.59	129	54208	19.78	ug/l	99
54) 1,2-Dibromoethane	9.68	107	57322	21.07	ug/l	98
55) 2-Chloroethyl vinyl ether	8.32	63	169620	91.64	ug/l	99
56) Bromoform	10.86	173	40928	18.71	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	426301	111.73	ug/l	98
59) 2-Hexanone	9.50	43	326038	111.78	ug/l	99
61) Tetrachloroethene	9.34	164	67982	22.04	ug/l	96
62) Toluene	8.79	91	224633	20.74	ug/l	98
64) Chlorobenzene	10.14	112	148916	20.69	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	54522	20.67	ug/l	98
66) Ethyl Benzene	10.26	91	246420	20.20	ug/l	100
67) m/p-Xylenes	10.36	106	191417	40.38	ug/l	99
68) o-Xylene	10.70	106	92787	20.09	ug/l	99
69) Styrene	10.71	104	153613	19.93	ug/l	99
70) Isopropylbenzene	11.02	105	256201	20.12	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	79850	20.97	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	80678m	24.44	ug/l	
73) Bromobenzene	11.26	156	71135	20.08	ug/l	94
74) n-propylbenzene	11.37	91	291951	19.75	ug/l	99
75) 2-Chlorotoluene	11.43	91	176036	20.46	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	214299	19.82	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	19161	18.05	ug/l	79
78) 4-Chlorotoluene	11.51	91	204470	20.06	ug/l	100
79) tert-butylbenzene	12.07	119	227094	19.04	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	221169	20.03	ug/l	99
81) sec-Butylbenzene	11.95	105	254875	19.27	ug/l	99
82) p-Isopropyltoluene	12.07	119	227094	19.04	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	127980	19.64	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	130169	19.77	ug/l	99
85) n-Butylbenzene	12.39	91	191744	18.14	ug/l	99
86) Hexachloroethane	12.60	117	31523	17.44	ug/l	97
87) 1,2-Dichlorobenzene	12.40	146	129780	19.72	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.01	75	16801	19.75	ug/l	93
89) 1,2,4-Trichlorobenzene	13.65	180	92710	18.66	ug/l	100
90) Hexachlorobutadiene	13.79	225	47513	18.37	ug/l	99
91) Naphthalene	13.84	128	265661	20.17	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	96816	19.59	ug/l	99

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0622WBSD01

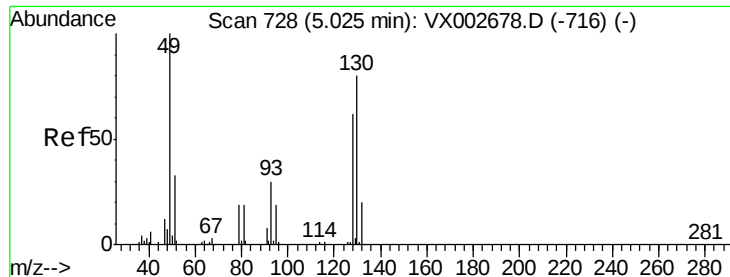
Manual Integrations
APPROVED

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6/25/2018 6:56:05 PM

Quant Time: Jun 23 00:18:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X061818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jun 18 15:18:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

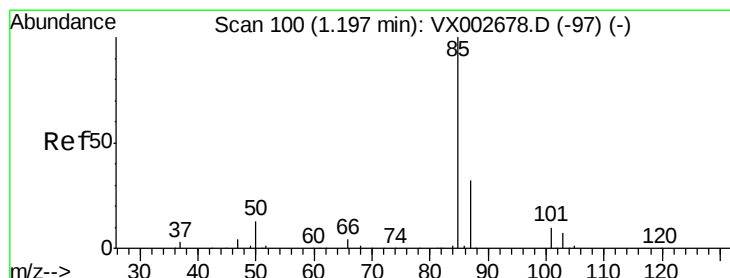
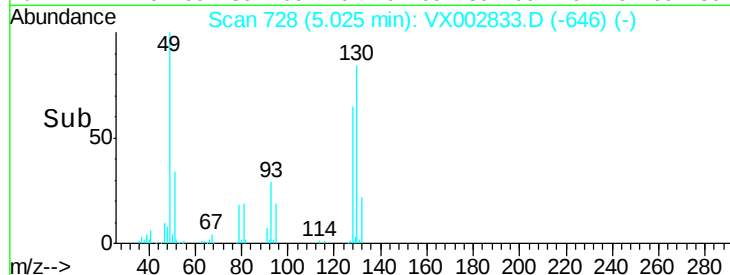
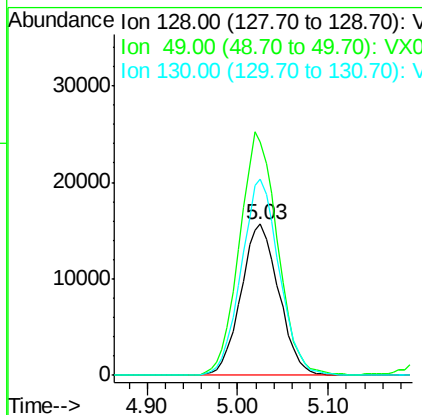
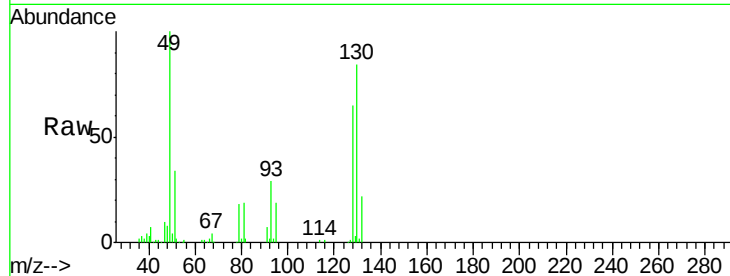
ClientSampleId :

VX0622WBSD01

Tot Ion:	128	Resp:	45333
Ion	Ratio	Lower	Upper
128	100		
49	161.7	0.0	423.0
130	130.5	0.0	324.3

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 21.07 ug/l

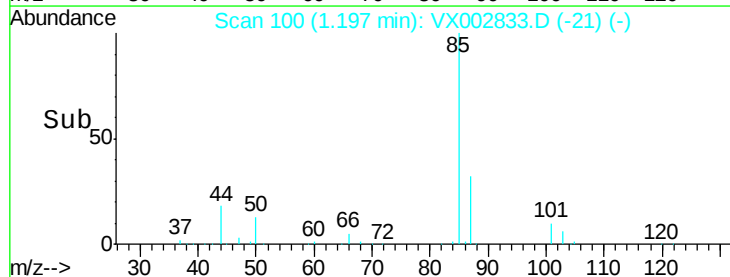
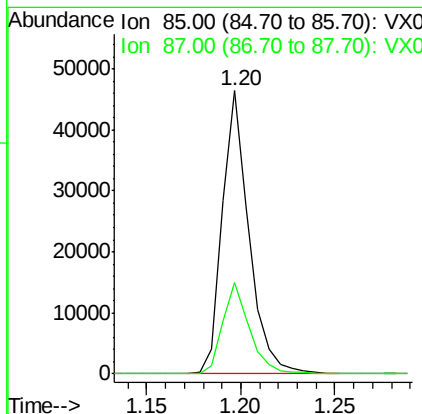
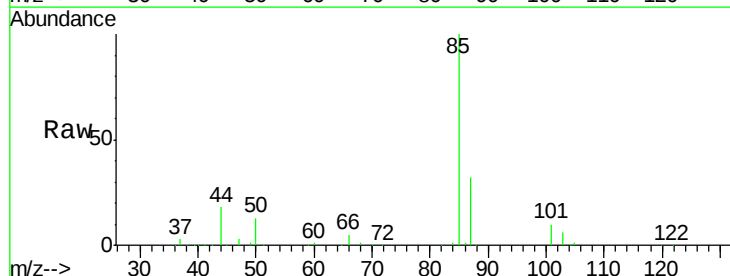
RT: 1.20 min Scan# 100

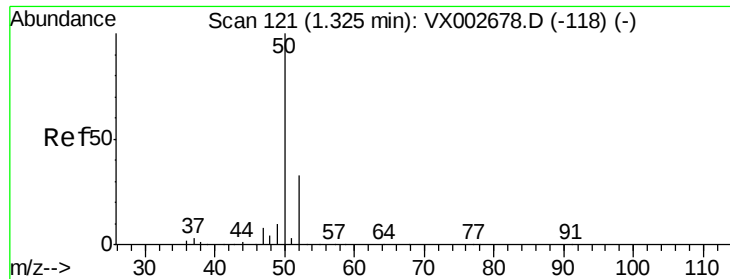
Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Tgt Ion:	85	Resp:	45579
Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.2	48.5





#3

Chloromethane

Concen: 19.95 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

VX0622WBSD01

Tot Ion: 50 Resp: 46852

Ion Ratio Lower Upper

50 100

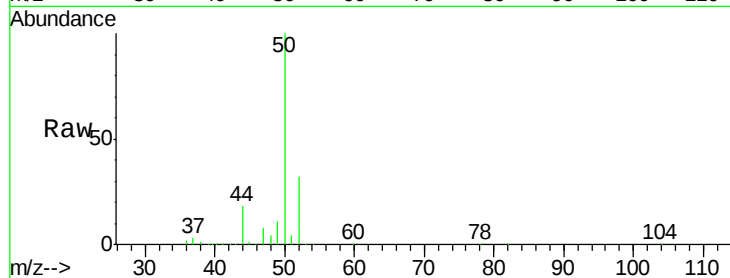
52 31.7 25.6 38.4

Manual Integrations

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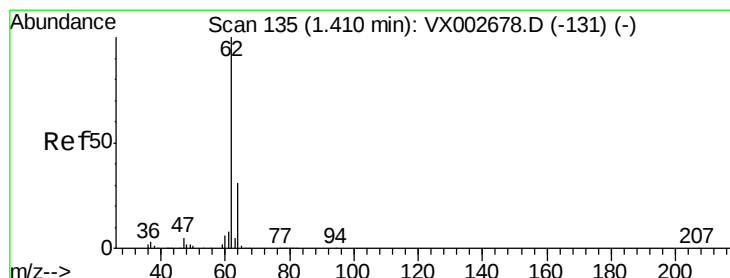
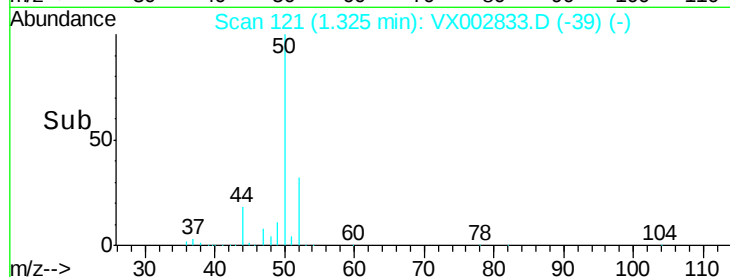
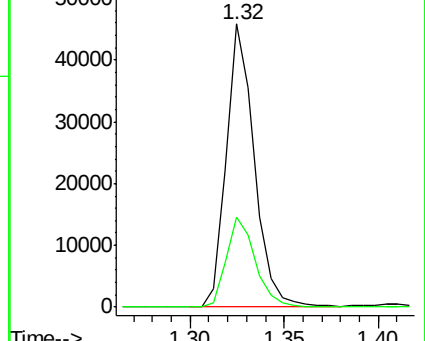
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 19.94 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX002833.D

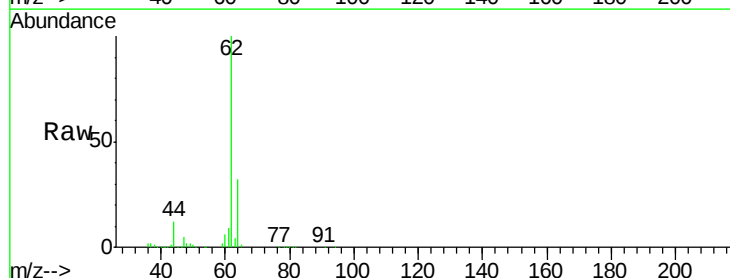
Acq: 22 Jun 2018 14:15

Tgt Ion: 62 Resp: 52175

Ion Ratio Lower Upper

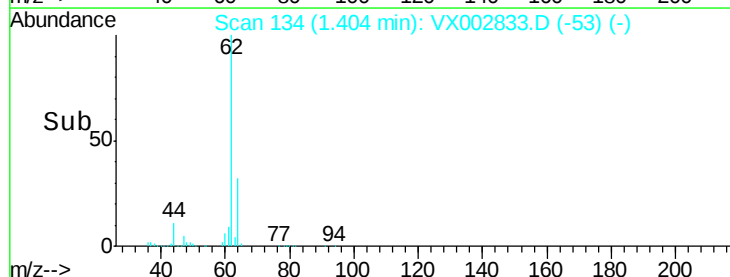
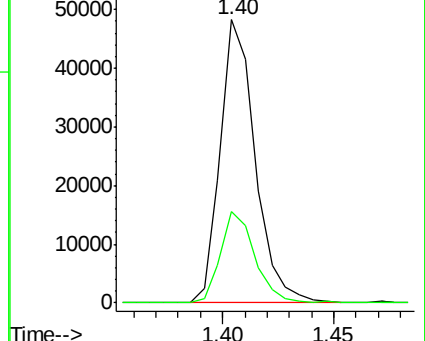
62 100

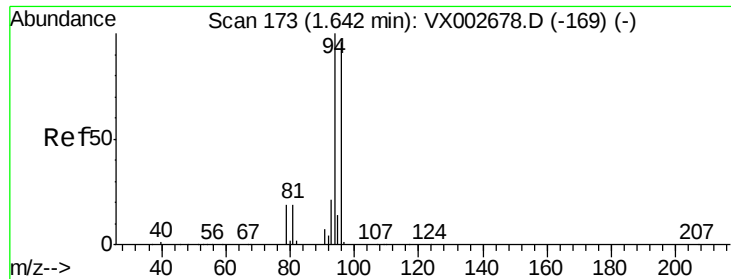
64 32.1 25.3 37.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 15.36 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

VX0622WBSD01

Tot Ion: 94 Resp: 23487

Ion Ratio Lower Upper

94 100

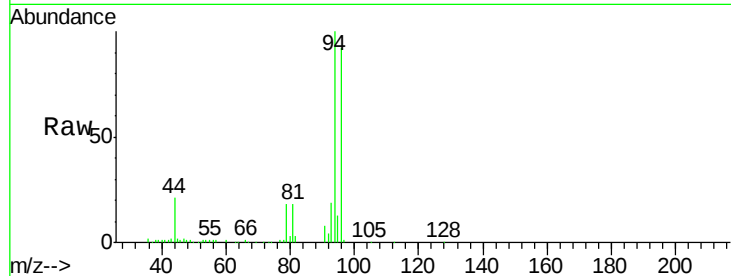
96 91.7 75.7 113.5

Manual Integrations

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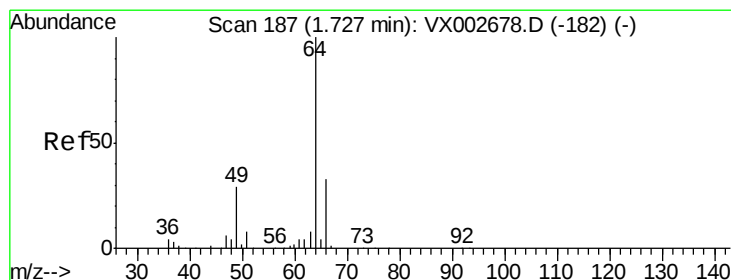
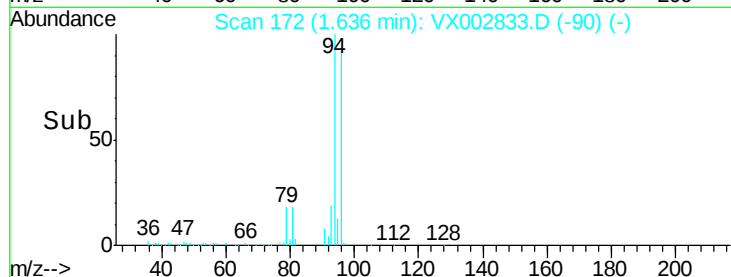
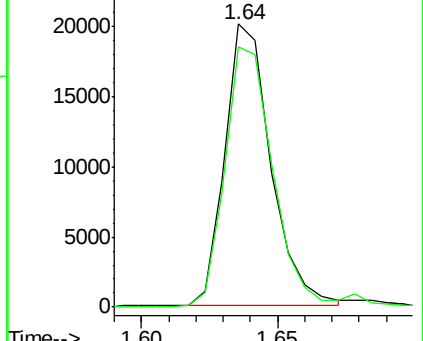
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 19.10 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.02 min

Lab File: VX002833.D

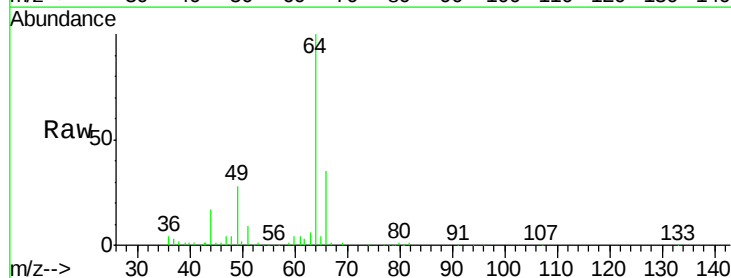
Acq: 22 Jun 2018 14:15

Tgt Ion: 64 Resp: 33611

Ion Ratio Lower Upper

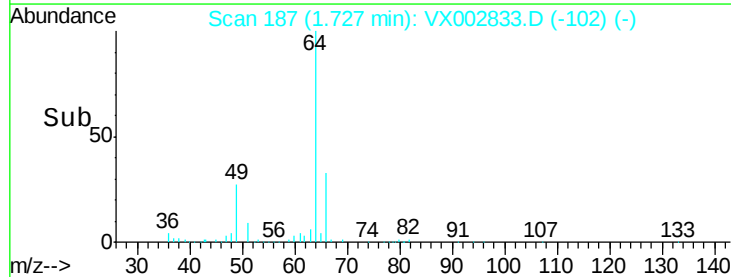
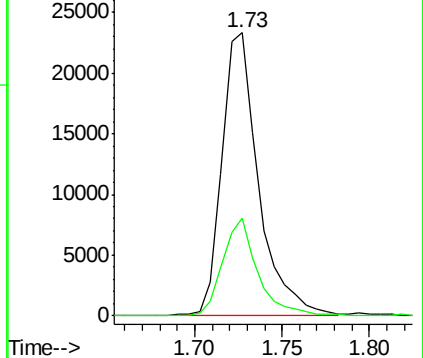
64 100

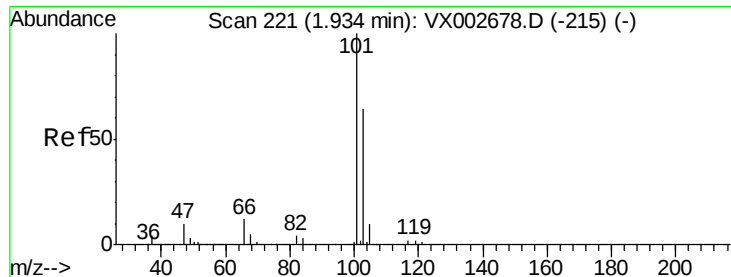
66 34.4 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

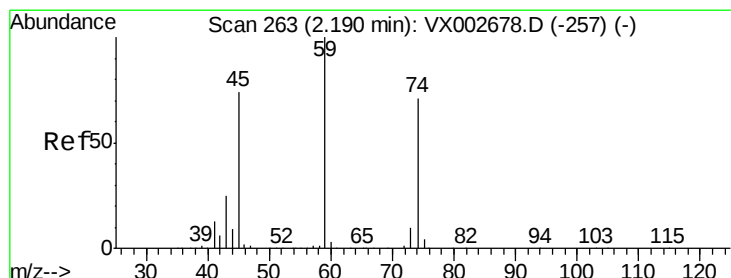
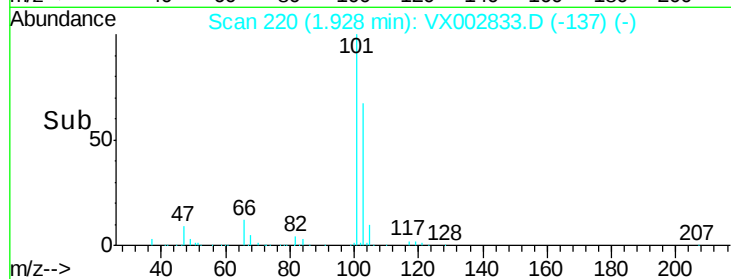
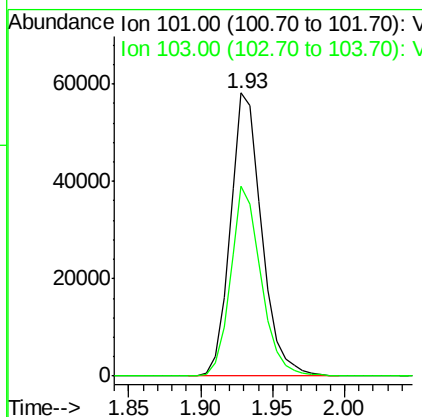
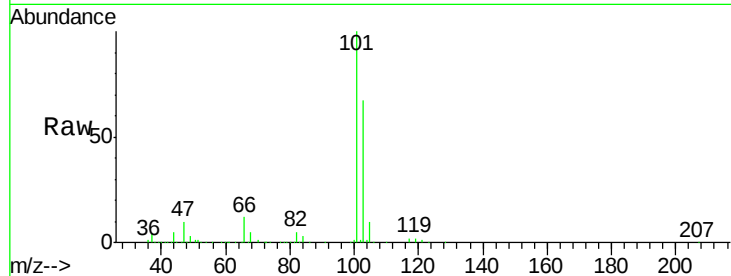
Trichlorofluoromethane
 Concen: 19.01 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0622WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	51.5	77.3

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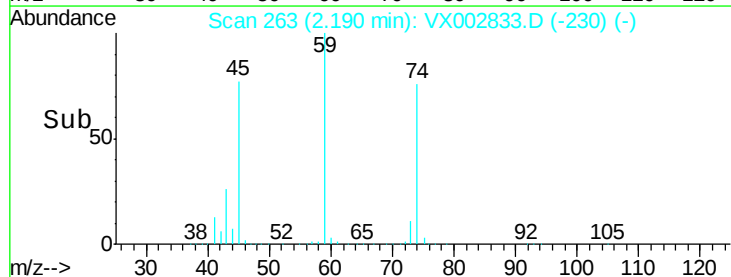
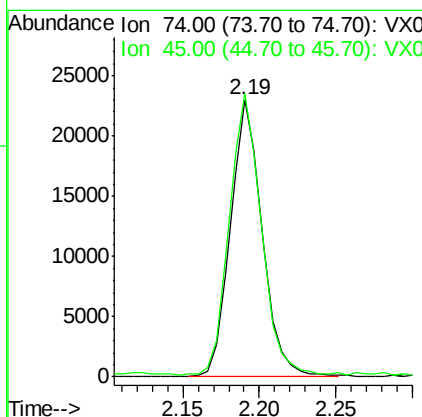
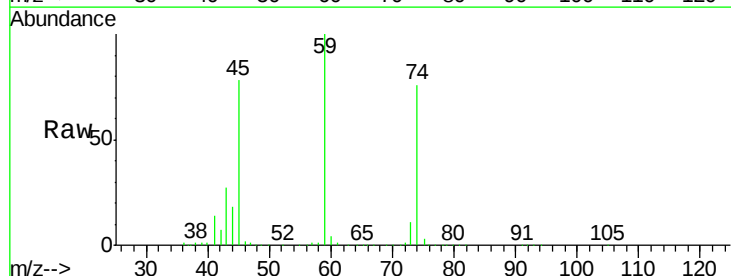
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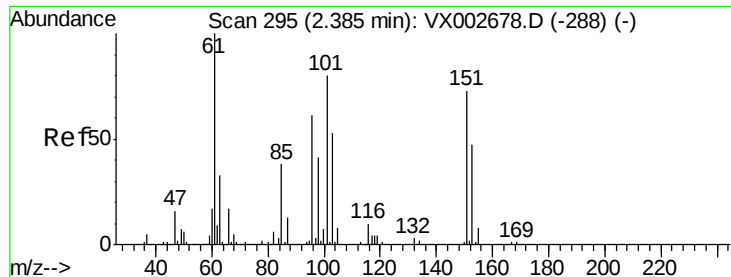


#8

Diethyl Ether
 Concen: 19.96 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.9	20.5	184.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.11 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

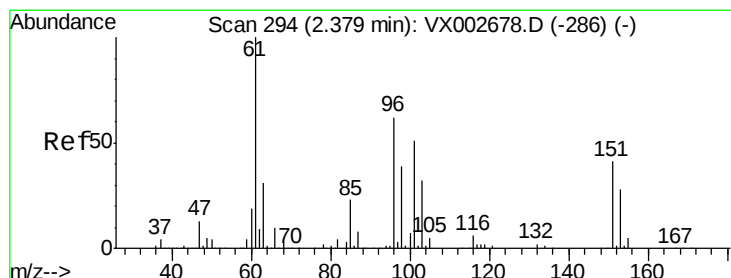
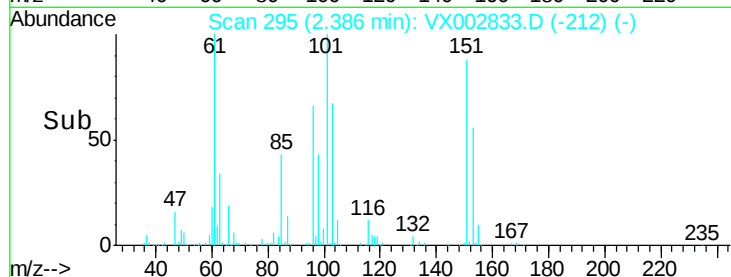
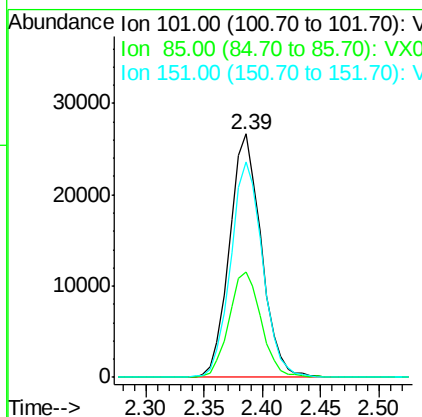
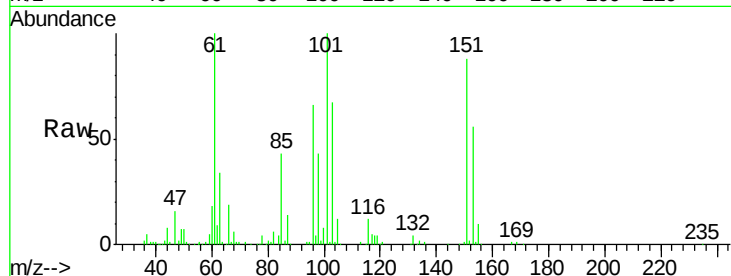
ClientSampleId :

VX0622WBSD01

Tot Ion:	101	Resp:	50872
Ion Ratio	Lower	Upper	
101	100		
85	43.6	0.0	87.0
151	88.6	0.0	177.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.02 ug/l

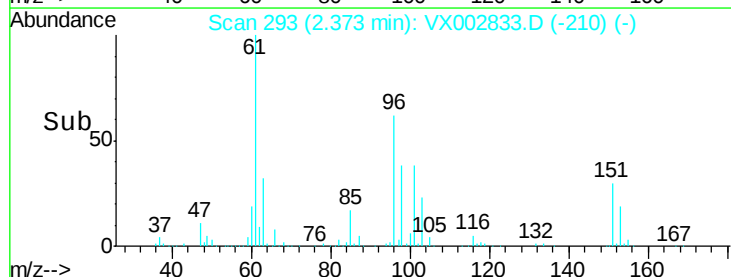
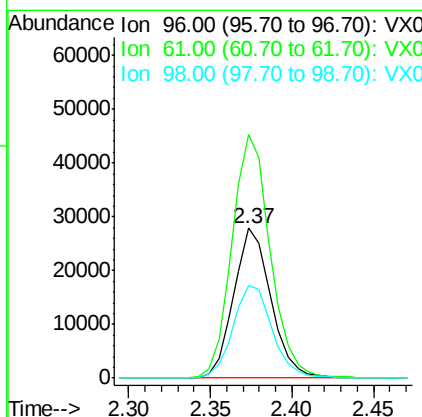
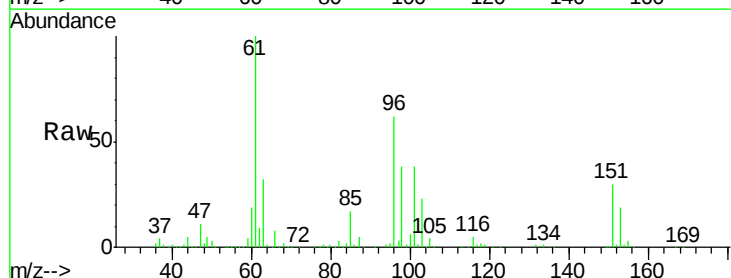
RT: 2.37 min Scan# 293

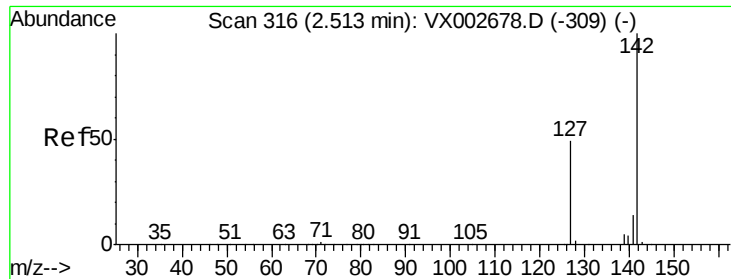
Delta R.T. 0.01 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Tgt Ion:	96	Resp:	44580
Ion Ratio	Lower	Upper	
96	100		
61	162.1	137.5	206.3
98	61.7	51.4	77.2





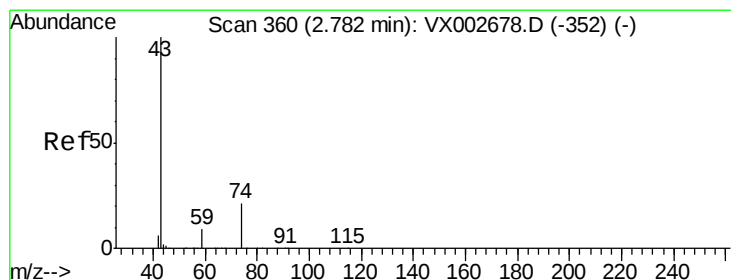
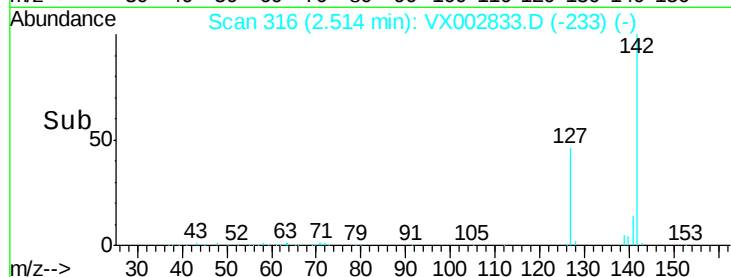
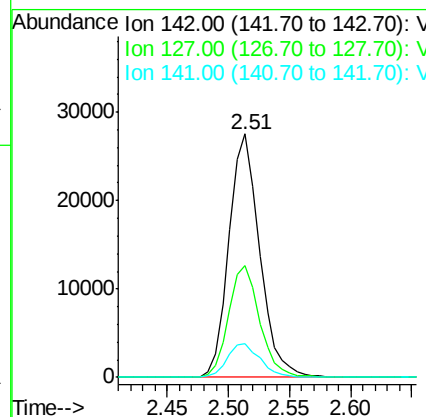
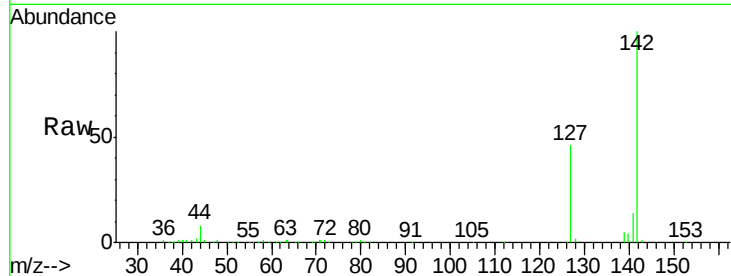
#11
Methyl Iodide
Concen: 17.78 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampled :
VX0622WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	45.8	23.2	69.6
141	13.7	7.4	22.2

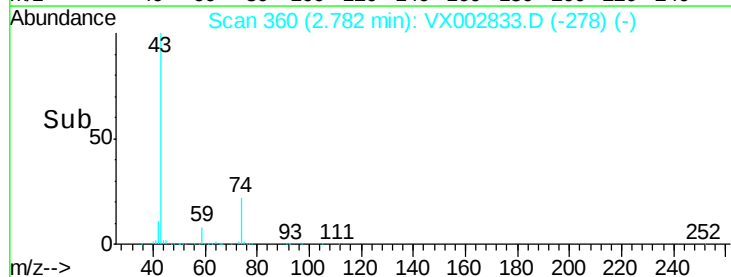
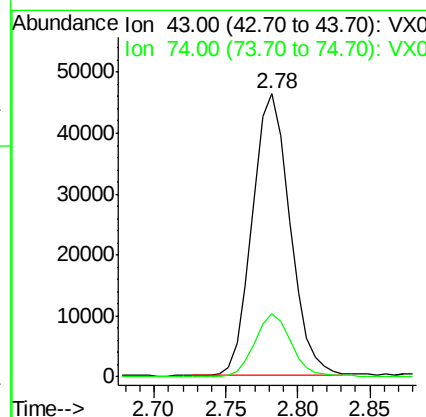
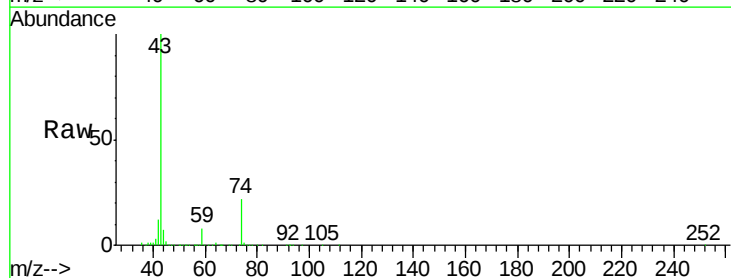
Manual Integrations
APPROVED

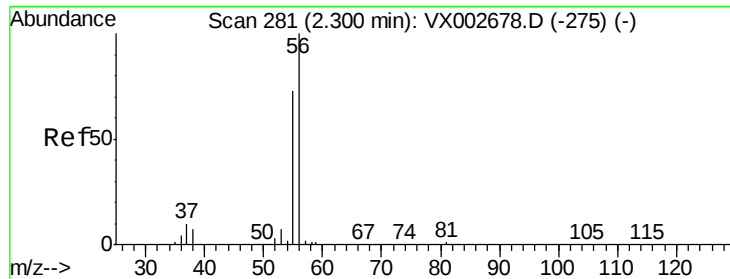
MMDadoda
6/25/2018 6:56:05 PM



#12
Methyl Acetate
Concen: 22.07 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	16.4	24.6





#13

Acrolein

Concen: 78.23 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

VX0622WBSD01

Tot Ion: 56 Resp: 21154

Ion Ratio Lower Upper

56 100

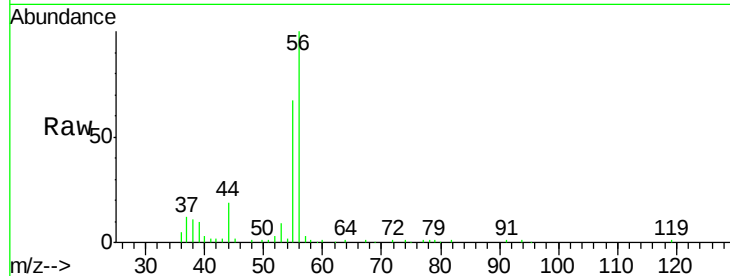
55 71.3 57.3 85.9

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

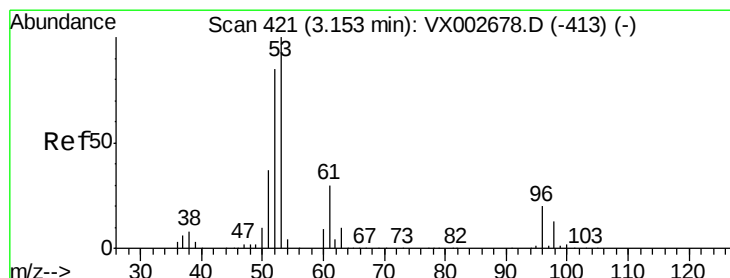
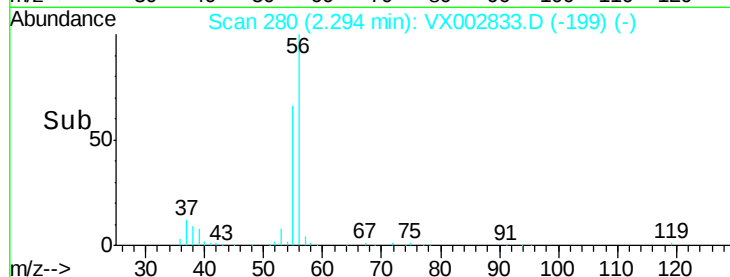
15000

10000

5000

0

Time-->



#14

Acrylonitrile

Concen: 104.47 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

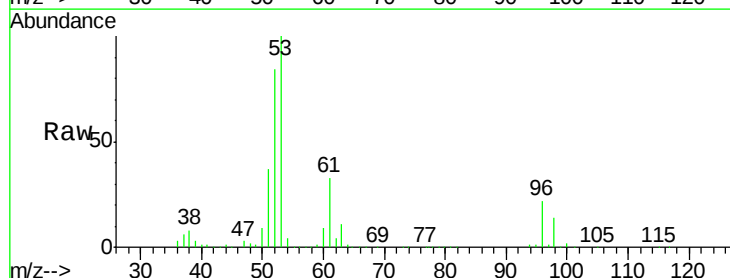
Tgt Ion: 53 Resp: 149438

Ion Ratio Lower Upper

53 100

52 82.4 41.5 124.6

51 36.9 17.9 53.8



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

100000

80000

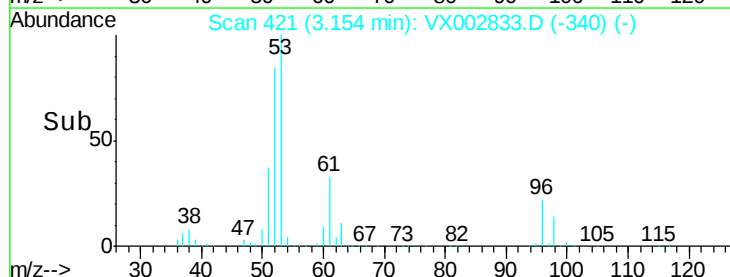
60000

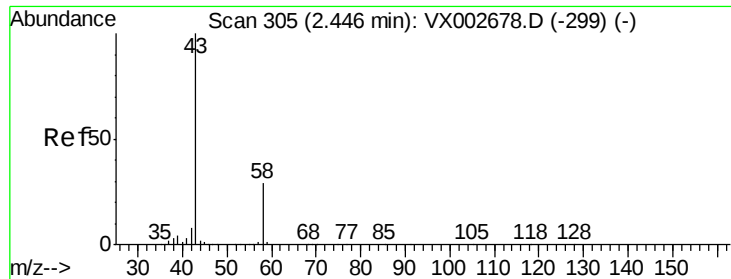
40000

20000

0

Time-->





#15

Acetone

Concen: 104.09 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

VX0622WBSD01

Tot Ion: 58 Resp: 41386

Ion Ratio Lower Upper

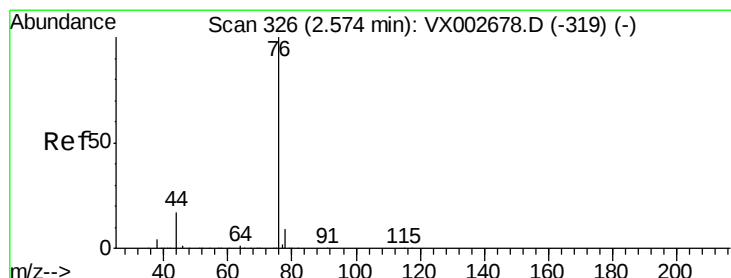
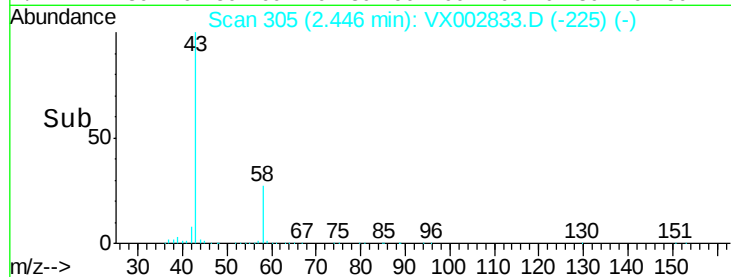
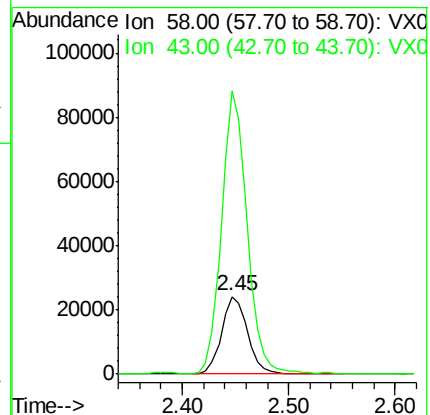
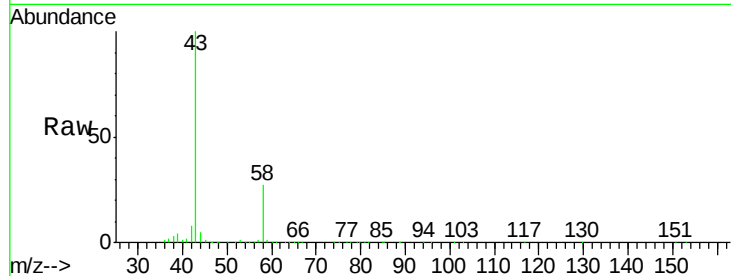
58 100

43 364.0 278.8 418.2

Manual Integrations
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#16

Carbon Disulfide

Concen: 18.56 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX002833.D

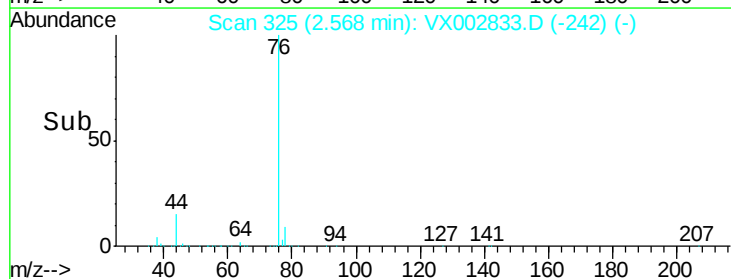
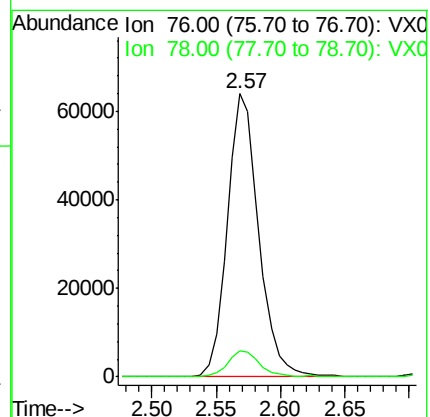
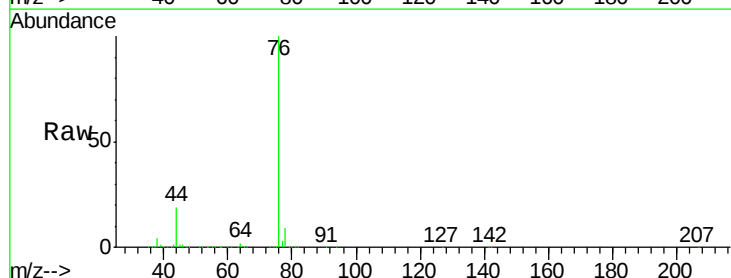
Acq: 22 Jun 2018 14:15

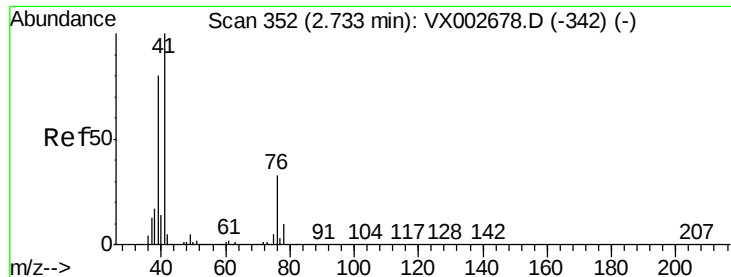
Tgt Ion: 76 Resp: 108913

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





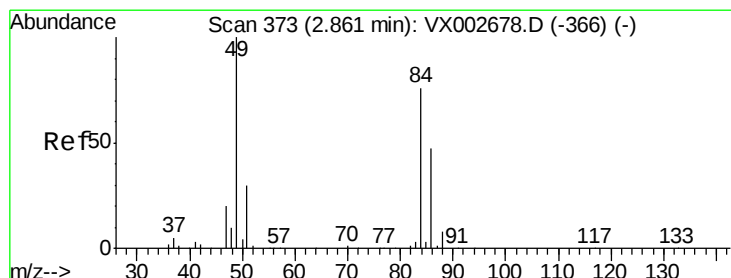
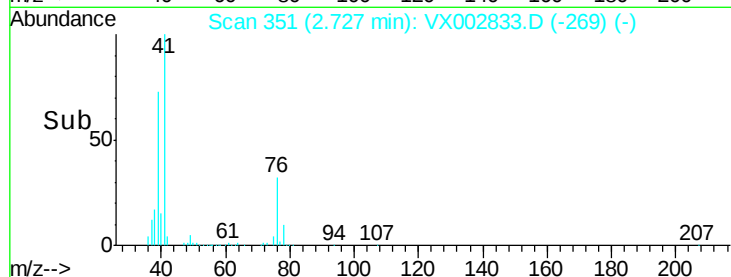
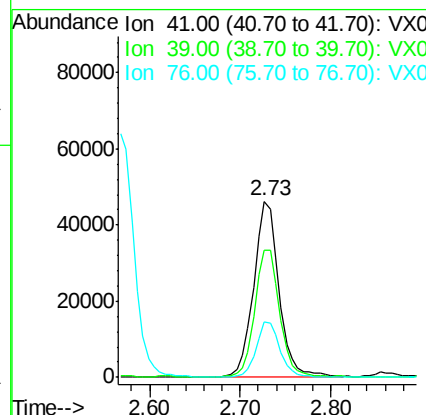
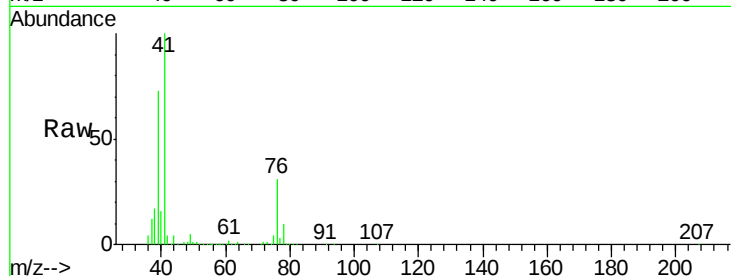
#17
Allvl chloride
Concen: 19.05 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :
VX0622WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	72.4	34.6	103.8
76	31.4	15.0	45.1

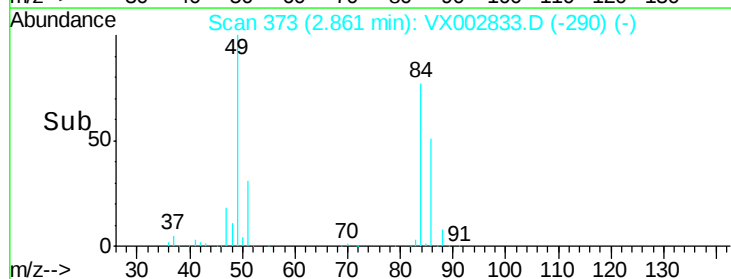
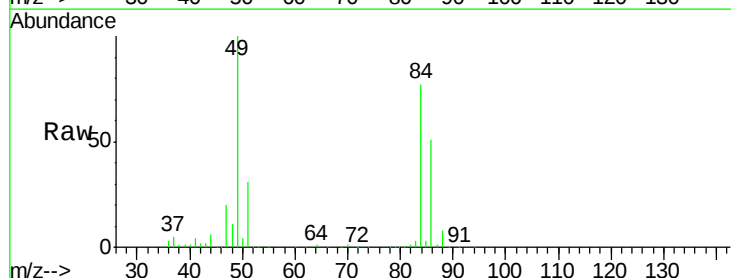
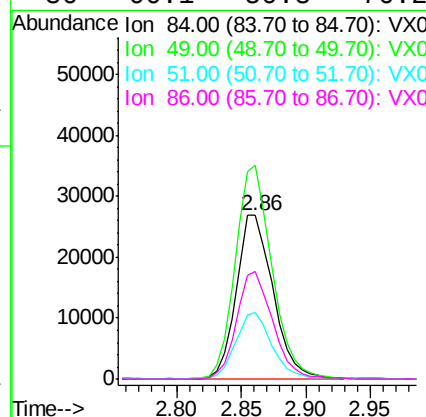
Manual Integrations
APPROVED

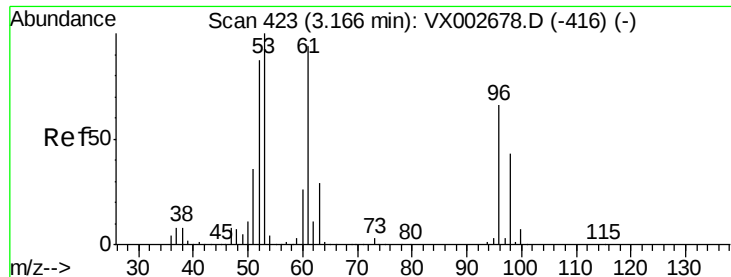
MMDadoda
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#18
Methylene Chloride
Concen: 19.92 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.5	104.7	157.1
51	39.9	31.0	46.4
86	66.1	50.8	76.2





#19

trans-1,2-Dichloroethene

Concen: 18.99 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

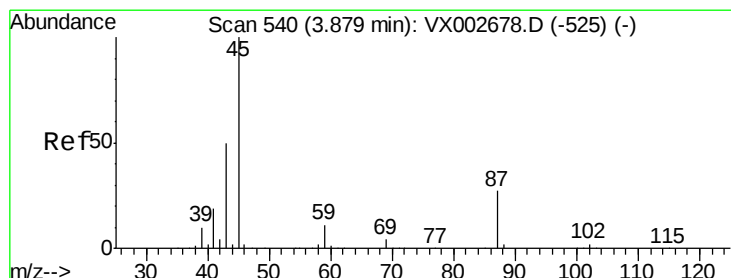
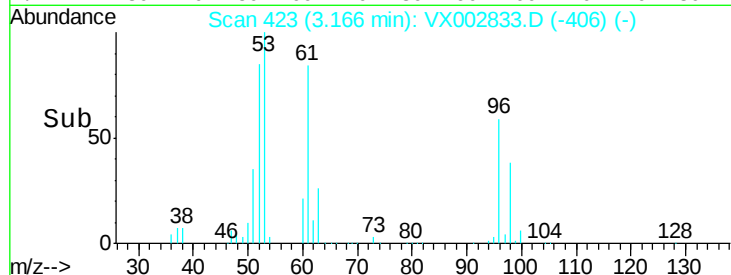
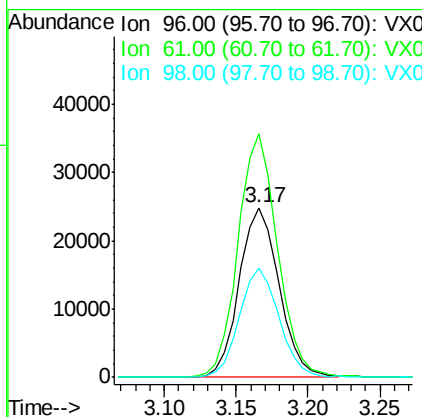
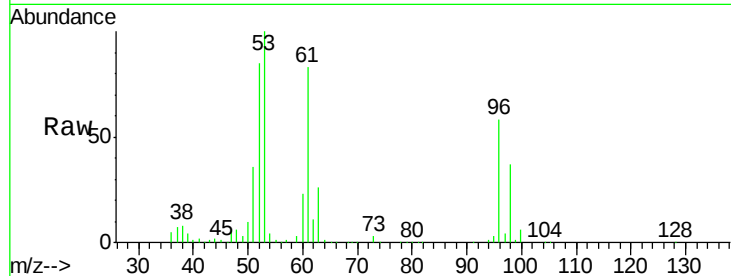
ClientSampleId :

VX0622WBSD01

Tot Ion:	96	Resp:	47730
Ion	Ratio	Lower	Upper
96	100		
61	143.4	114.6	172.0
98	64.2	51.3	76.9

Manual Integrations
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#20

Diisopropyl ether

Concen: 19.55 ug/l

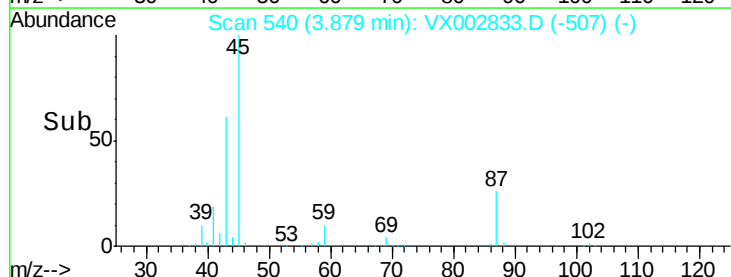
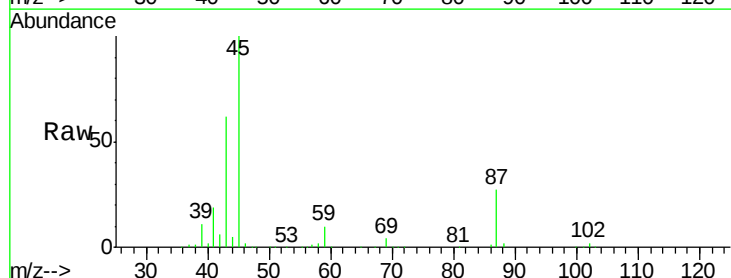
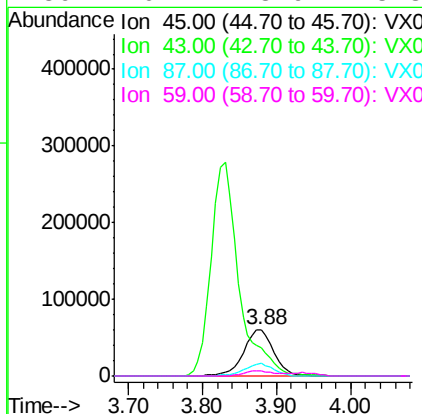
RT: 3.88 min Scan# 540

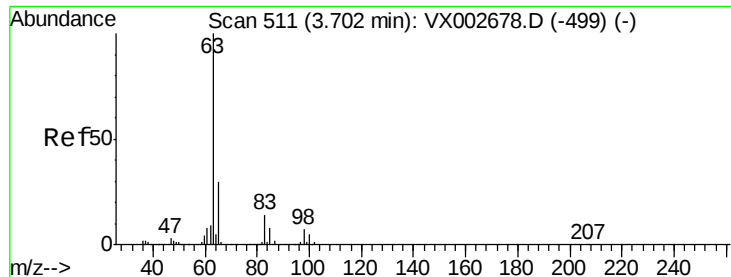
Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Tgt Ion:	45	Resp:	169913
Ion	Ratio	Lower	Upper
45	100		
43	60.8	45.6	68.4
87	26.6	20.7	31.1
59	10.4	8.9	13.3





#21

1,1-Dichloroethane

Concen: 20.16 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

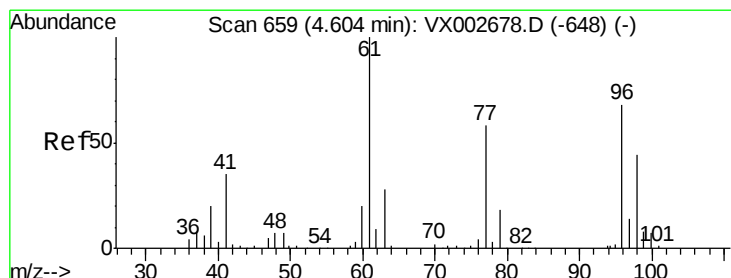
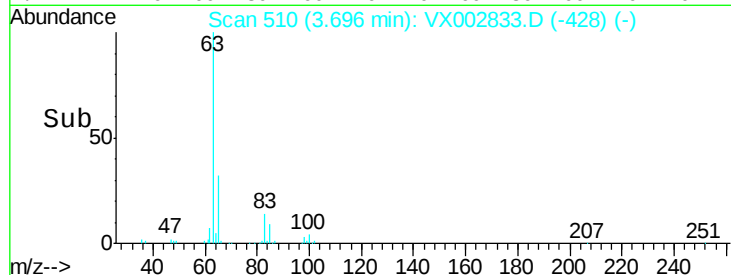
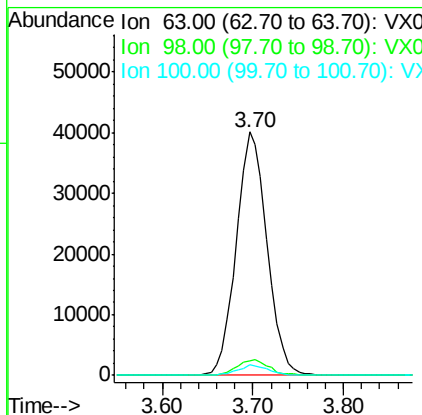
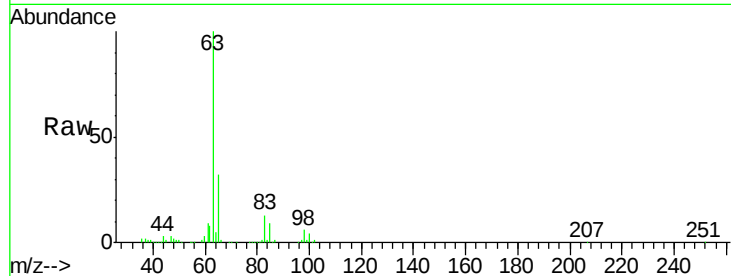
ClientSampleId :

VX0622WBSD01

Tot Ion:	63	Resp:	94212
Ion Ratio	Lower	Upper	
63	100		
98	6.0	3.1	9.3
100	4.2	2.2	6.6

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 20.01 ug/l

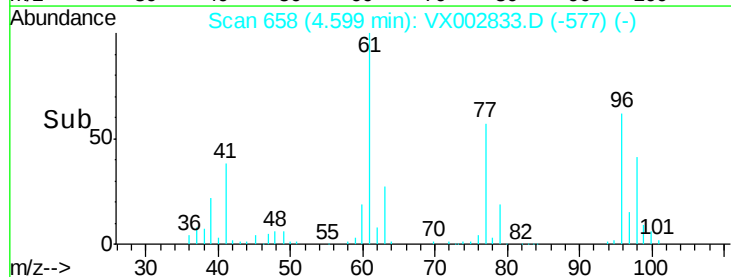
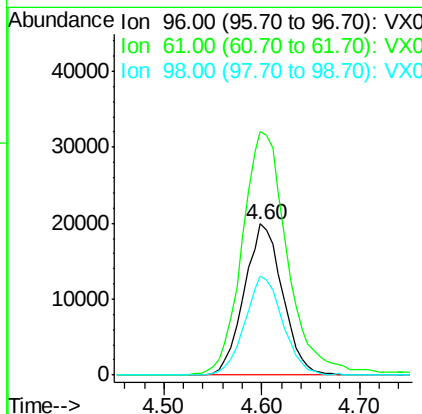
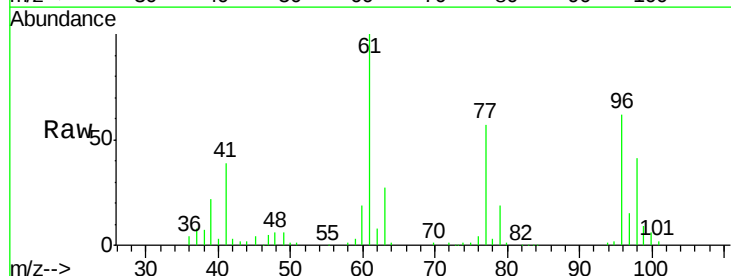
RT: 4.60 min Scan# 658

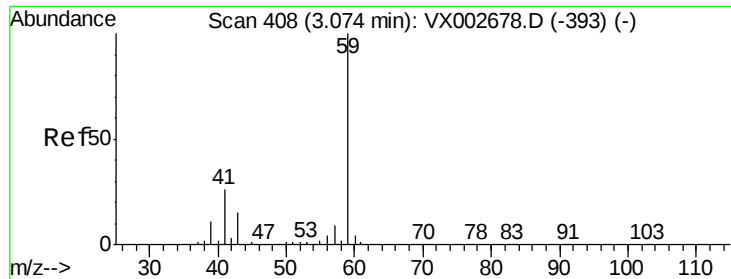
Delta R.T. -0.01 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Tgt Ion:	96	Resp:	54043
Ion Ratio	Lower	Upper	
96	100		
61	189.5	160.2	240.2
98	64.8	54.1	81.1





#23

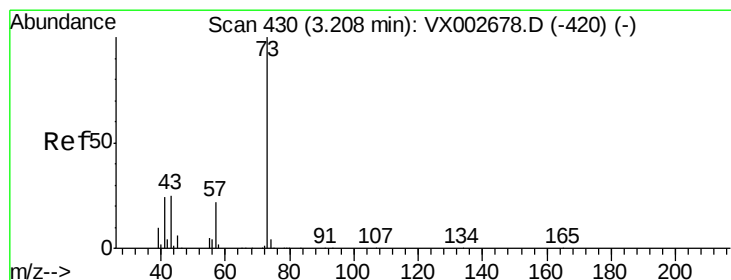
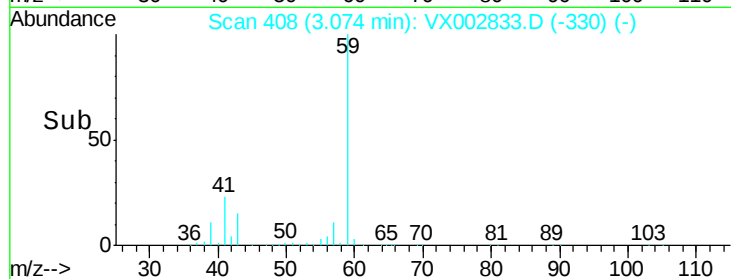
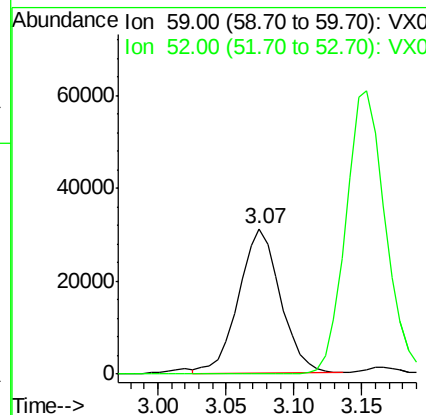
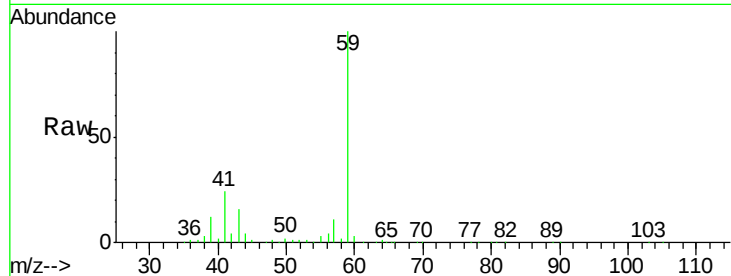
tert-Butyl Alcohol
Concen: 102.69 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.02 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampled :
VX0622WBSD01

Tot Ion	59	Ratio	Lower	Upper
59	100			
52	0.1	0.2	0.2	

Manual Integrations
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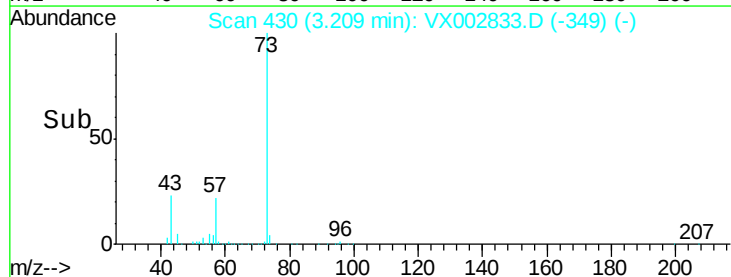
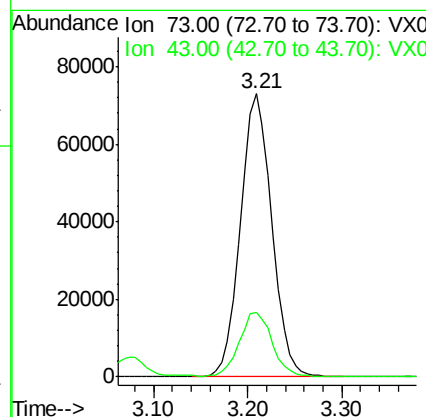
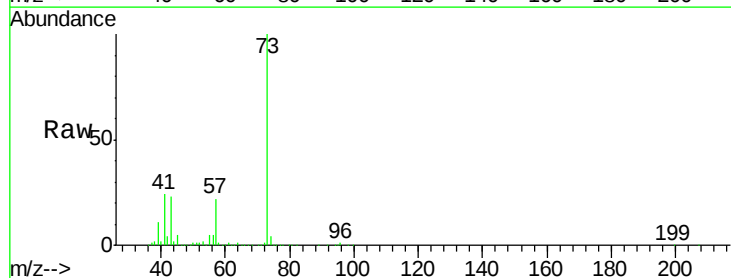
MMDadoda
6/25/2018 6:56:05 PM

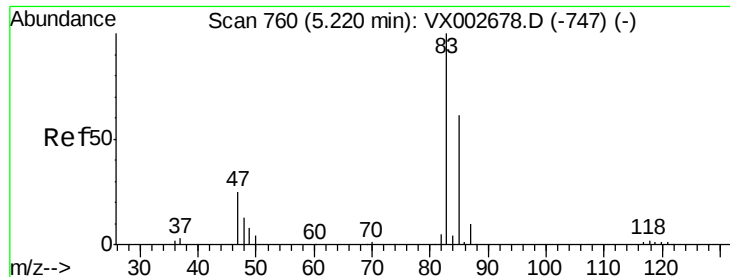


#24

Methyl tert-Butyl Ether
Concen: 19.44 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Tgt Ion	73	Ratio	Lower	Upper
73	100			
43	23.2	19.0	28.4	





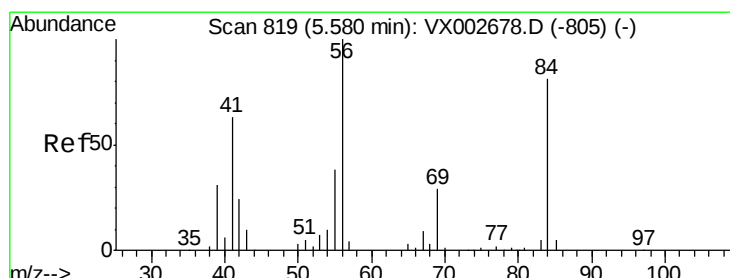
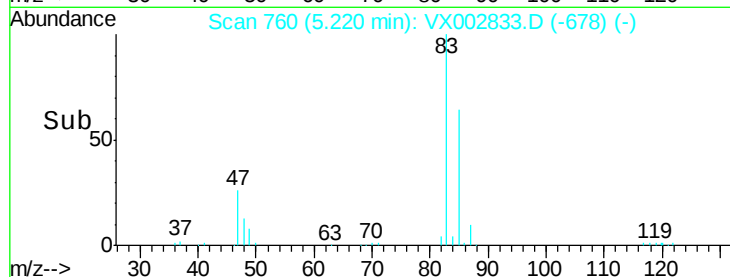
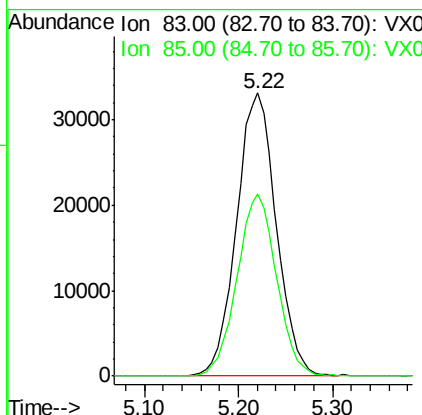
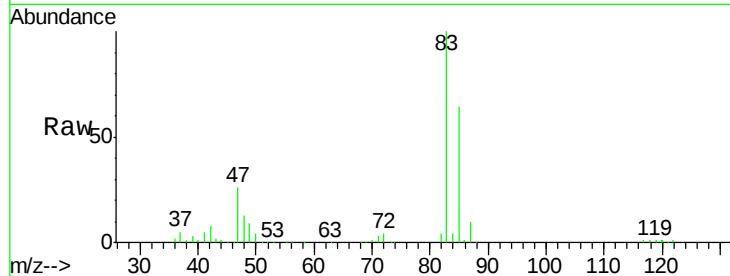
#25
Chloroform
Concen: 20.84 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :
VX0622WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.9	77.9

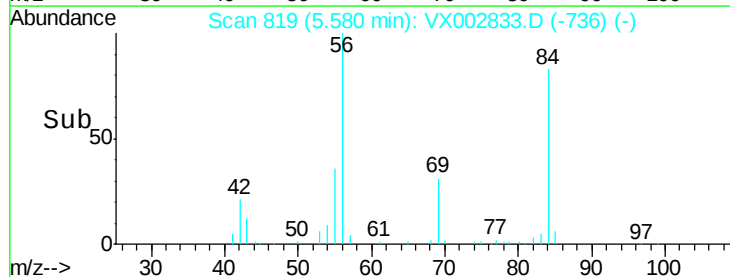
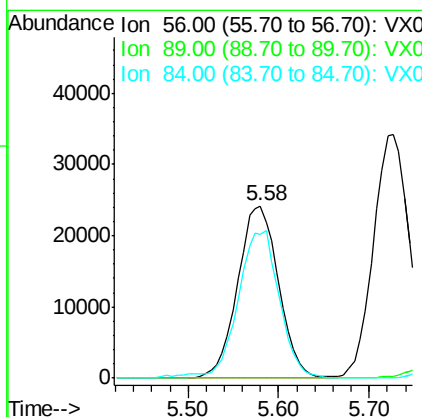
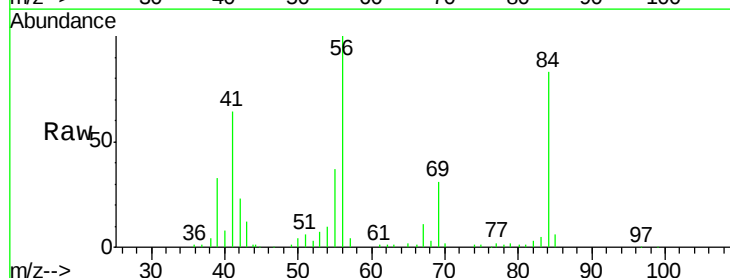
Manual Integrations
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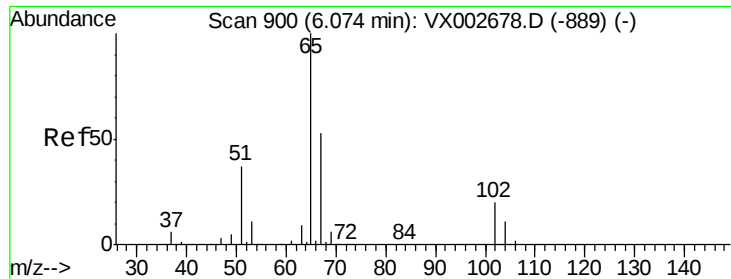
MMDadoda
6/25/2018 6:56:05 PM



#26
Cyclohexane
Concen: 19.04 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.1	0.1#
84	86.4	64.9	97.3





#27

1,2-Dichloroethane-d4

Concen: 30.42 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

VX0622WBSD01

Tot Ion: 65 Resp: 105313

Ion Ratio Lower Upper

65 100

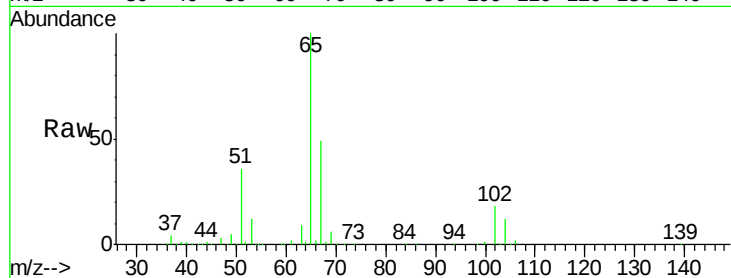
67 50.8 40.9 61.3

Manual Integrations

APPROVED

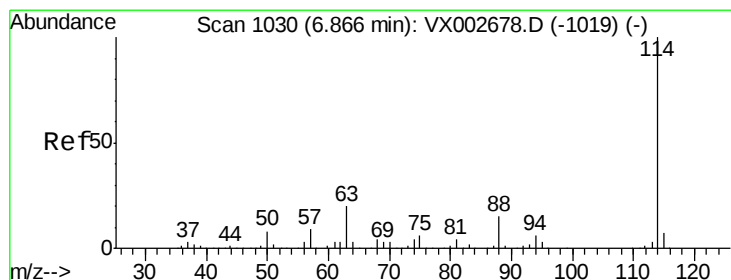
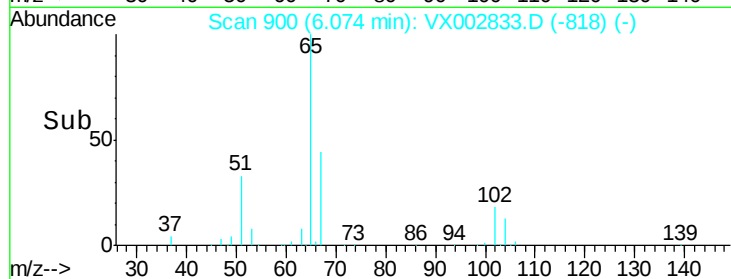
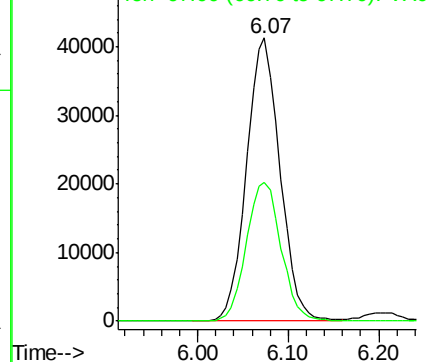
MMDadoda

6/25/2018 6:56:05 PM



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

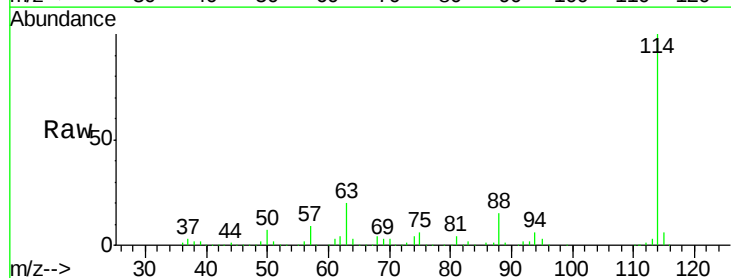
Tgt Ion: 114 Resp: 241482

Ion Ratio Lower Upper

114 100

63 20.2 17.1 25.7

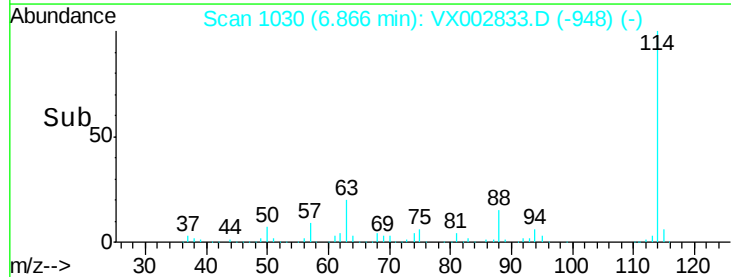
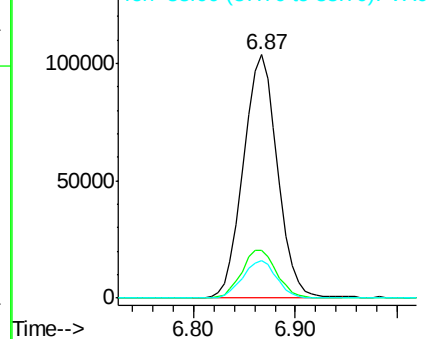
88 15.5 12.6 19.0

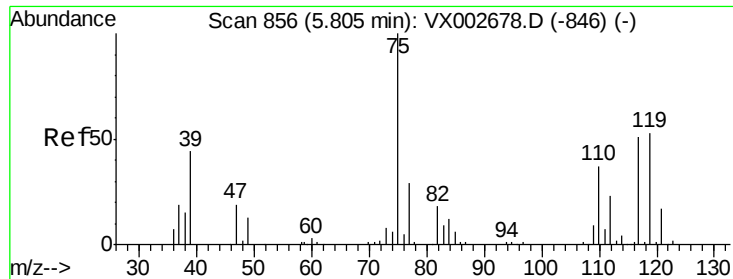


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





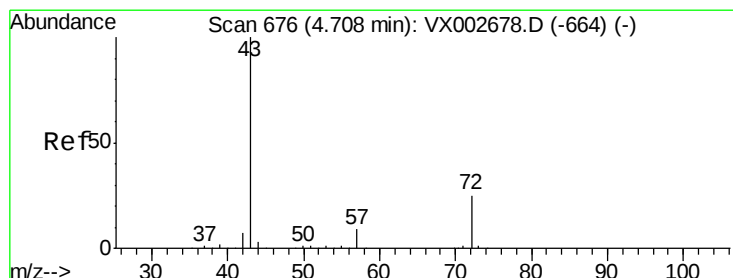
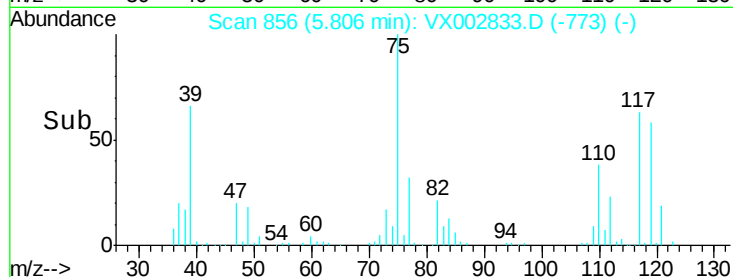
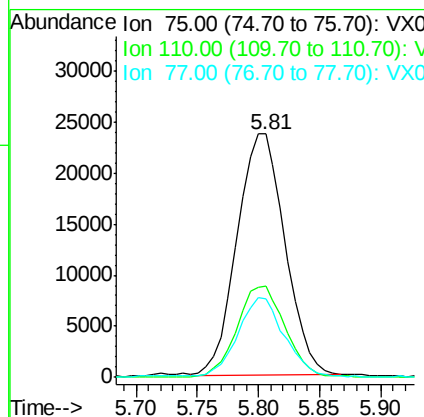
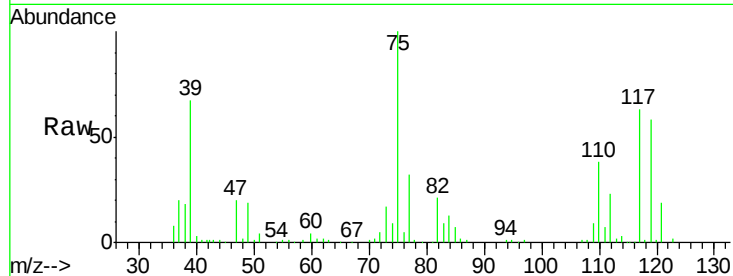
#29
 1,1-Dichloropropene
 Concen: 19.79 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0622WBSD01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	38.1	0.0	71.4
77	32.4	0.0	60.6

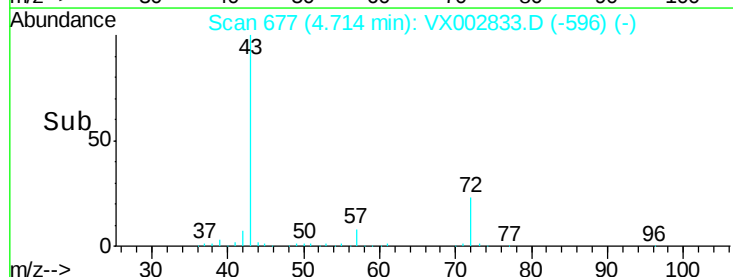
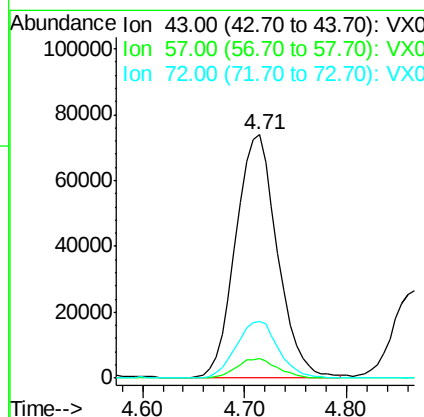
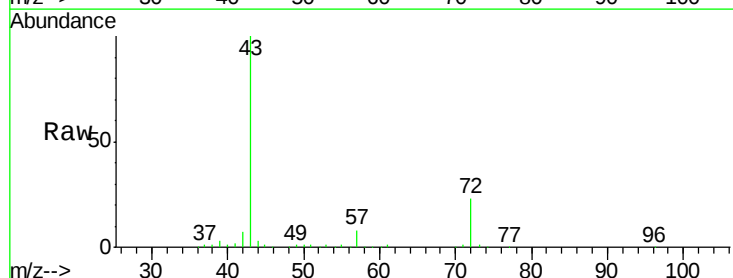
Manual Integrations
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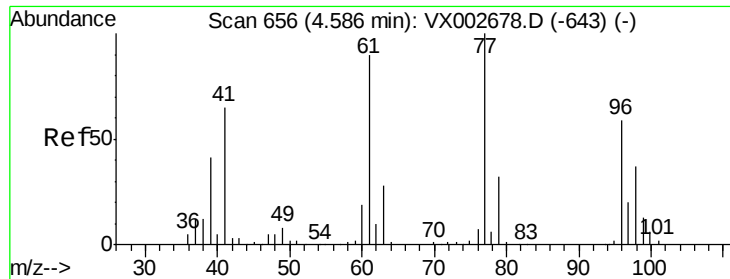
MMDadoda
 6/25/2018 6:56:05 PM



#30
 2-Butanone
 Concen: 111.89 ug/l
 RT: 4.71 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.0	6.1	9.1
72	23.9	18.1	27.1





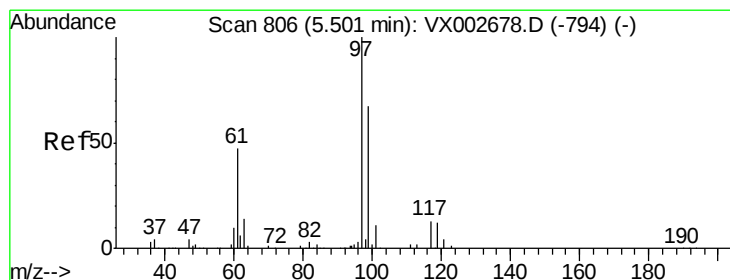
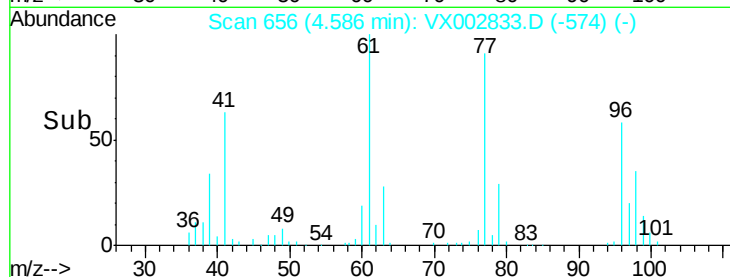
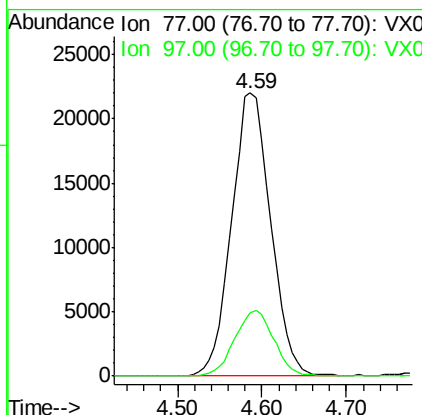
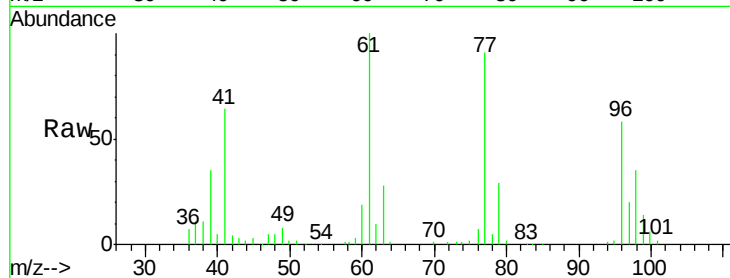
#31
 2,2-Dichloropropane
 Concen: 19.90 ug/l
 RT: 4.59 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0622WBSD01

Tot Ion: 77 Resp: 69356
 Ion Ratio Lower Upper
 77 100
 97 23.1 18.7 28.1

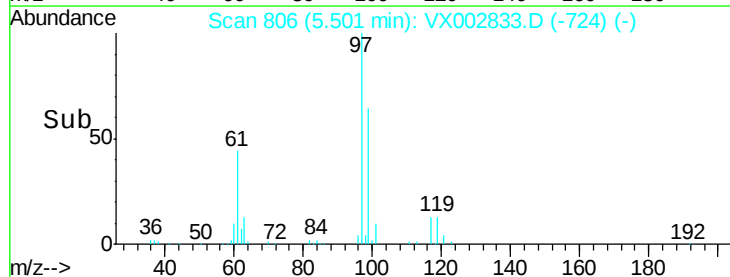
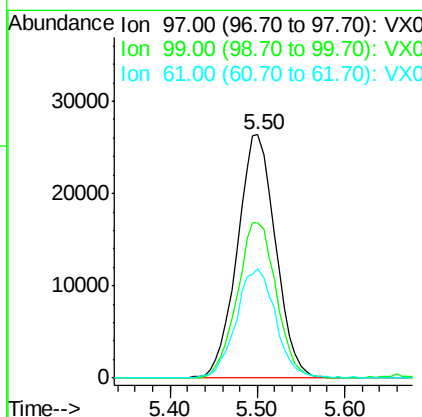
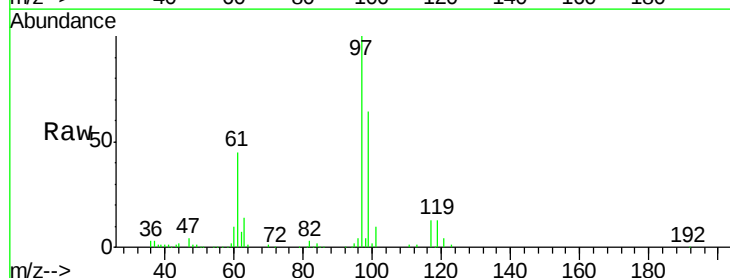
Manual Integrations
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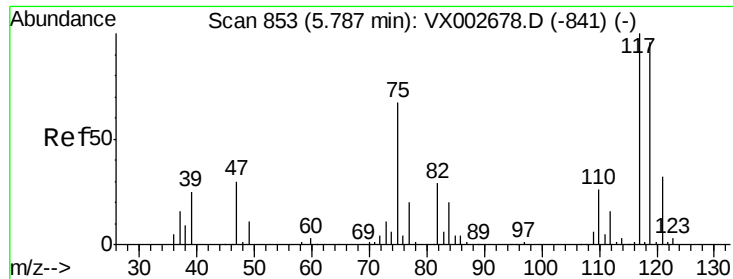
MMDadoda
 6/25/2018 6:56:05 PM



#32
 1,1,1-Trichloroethane
 Concen: 20.42 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Tgt Ion: 97 Resp: 80443
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.7 77.5
 61 46.0 36.4 54.6





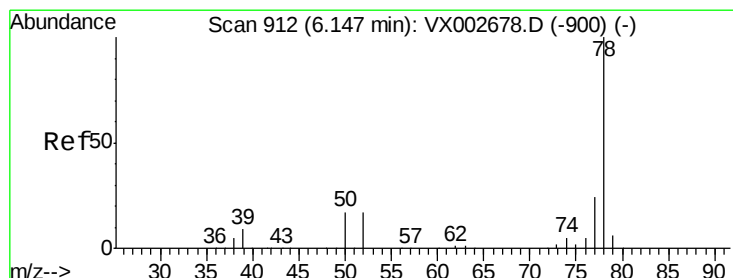
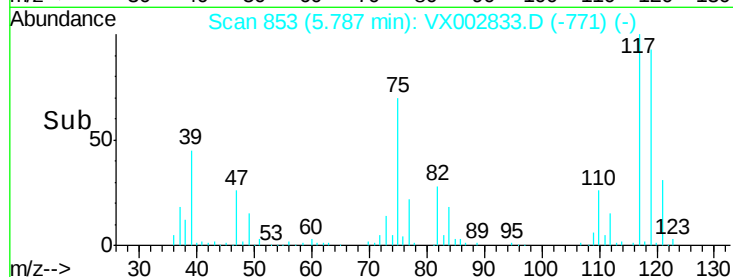
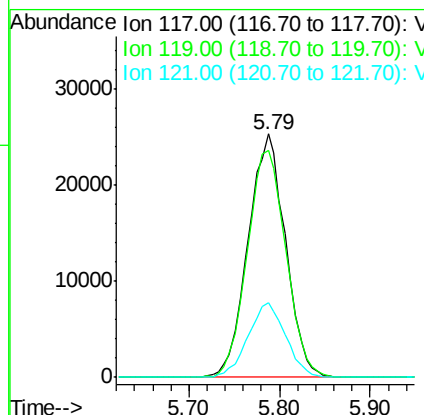
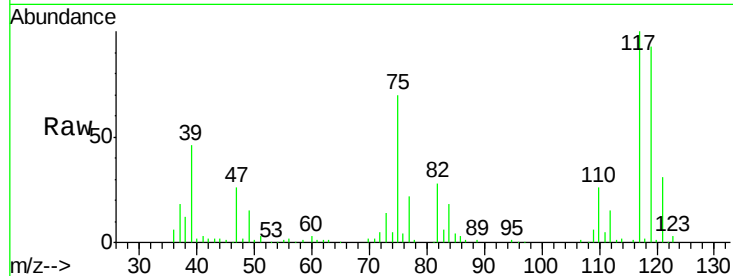
#33
Carbon Tetrachloride
Concen: 20.39 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :
VX0622WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.3	73.3	109.9
121	30.7	23.6	35.4

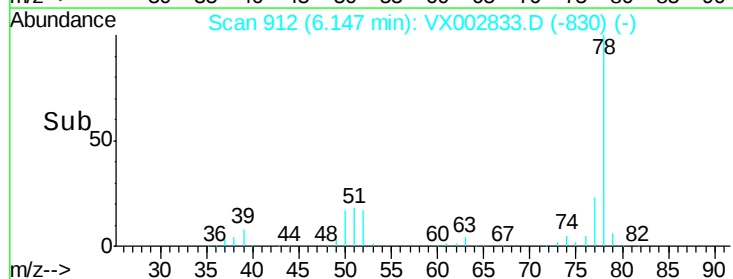
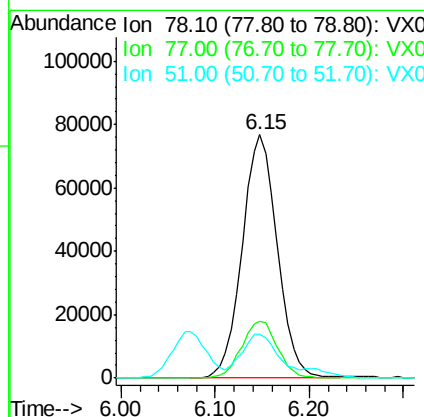
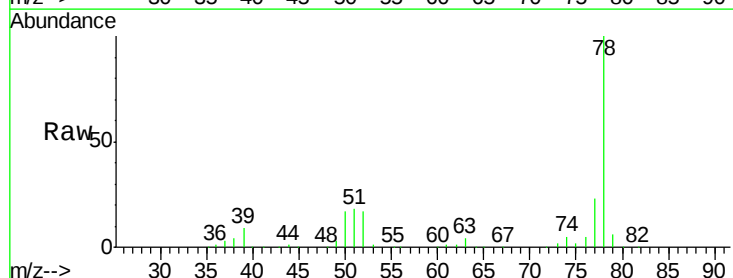
Manual Integrations
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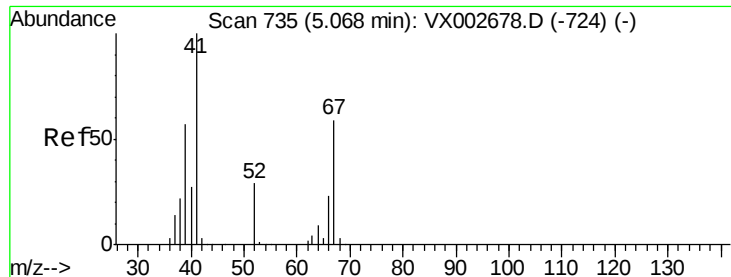
MMDadoda
6/25/2018 6:56:05 PM



#34
Benzene
Concen: 20.75 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.4	29.0
51	16.7	13.8	20.6





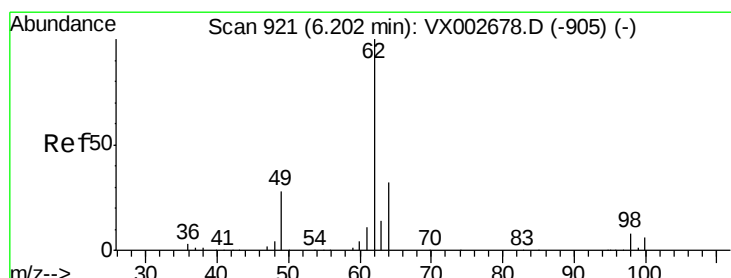
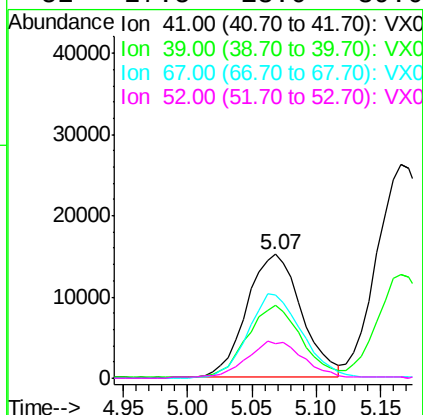
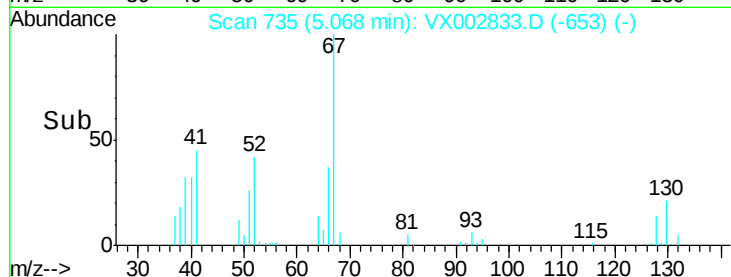
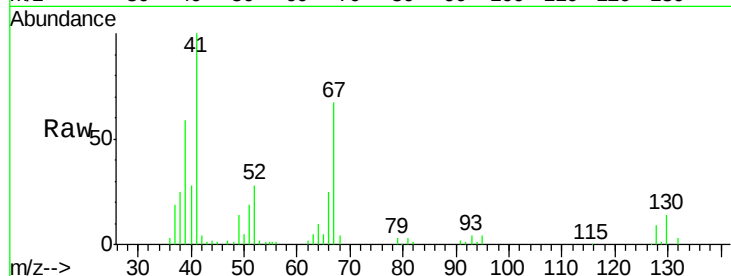
#35
Methacrylonitrile
Concen: 22.08 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :
VX0622WBSD01

Tot Ion:	41	Resp:	44854
Ion	Ratio	Lower	Upper
41	100		
39	58.0	28.8	86.5
67	67.6	30.4	91.2
52	27.5	13.0	39.0

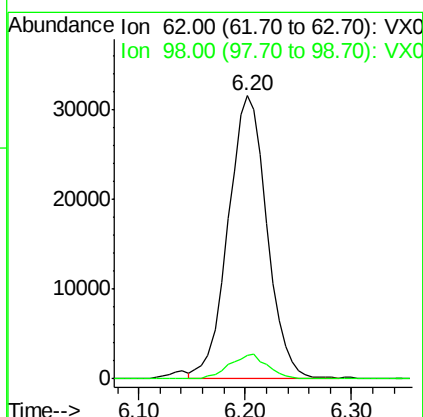
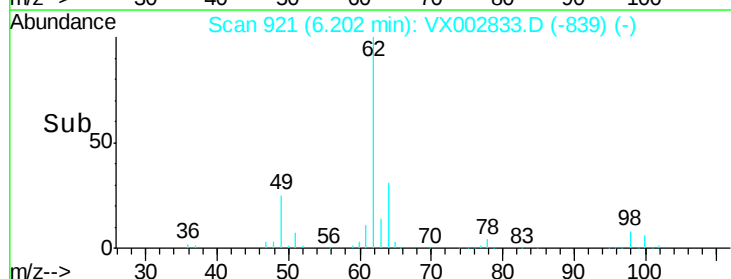
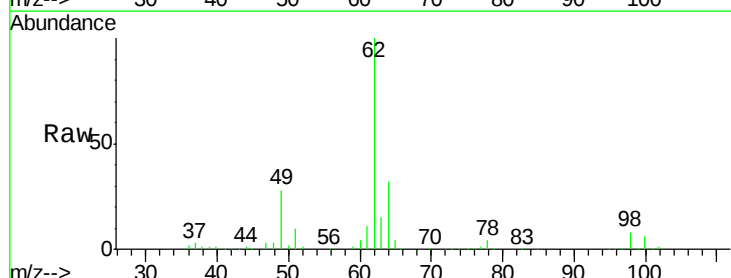
Manual Integrations
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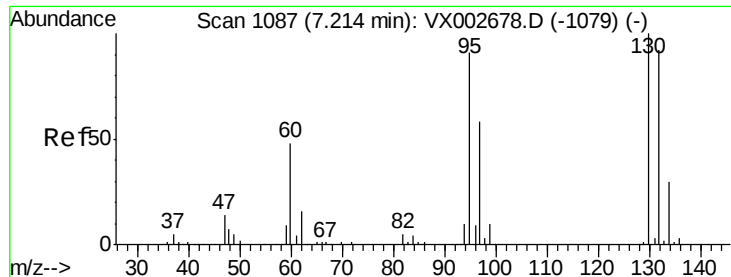
MMDadoda
6/25/2018 6:56:05 PM



#36
1,2-Dichloroethane
Concen: 21.31 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Tgt Ion:	62	Resp:	80790
Ion	Ratio	Lower	Upper
62	100		
98	8.6	6.5	9.7





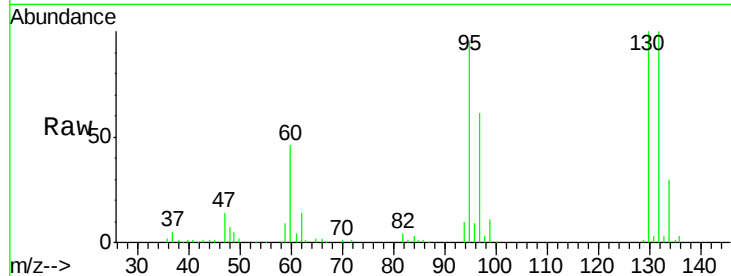
#37
 Trichloroethene
 Concen: 20.81 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0622WBSD01

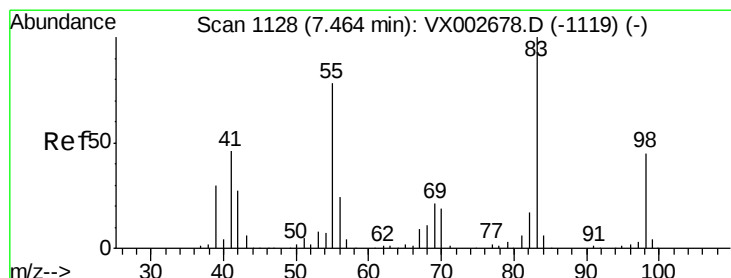
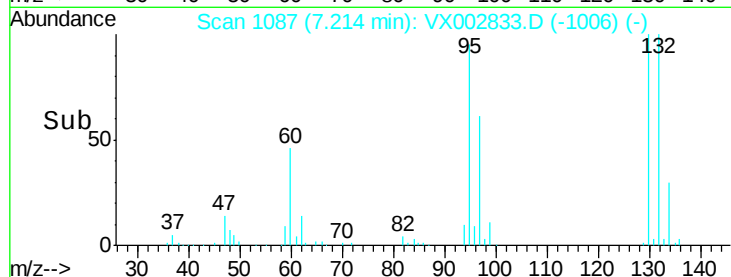
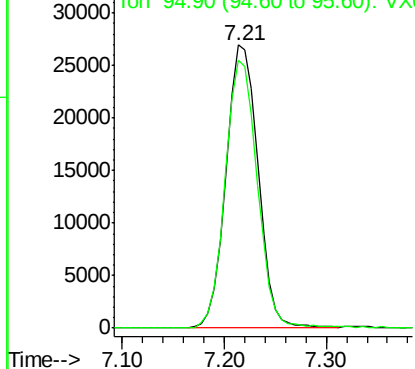
Tot Ion:130 Resp: 58851
 Ion Ratio Lower Upper
 130 100
 95 94.3 81.5 122.3

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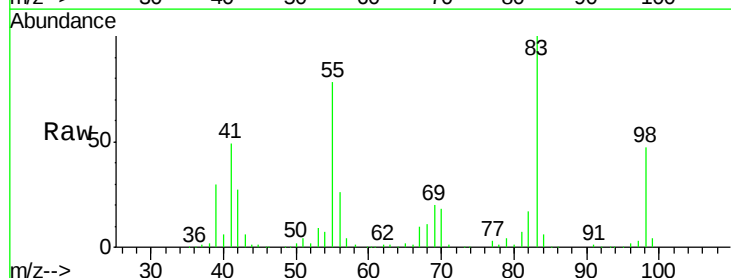


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

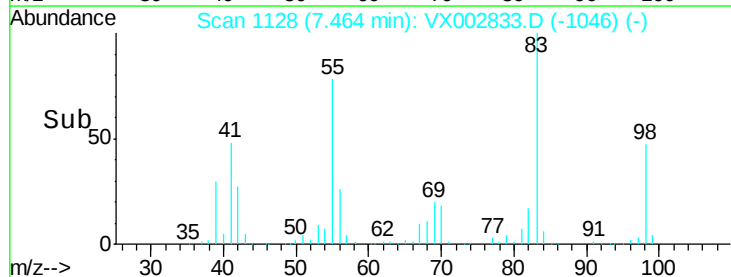
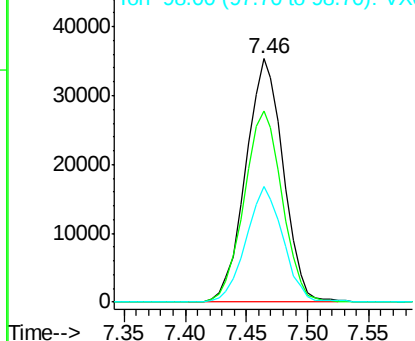


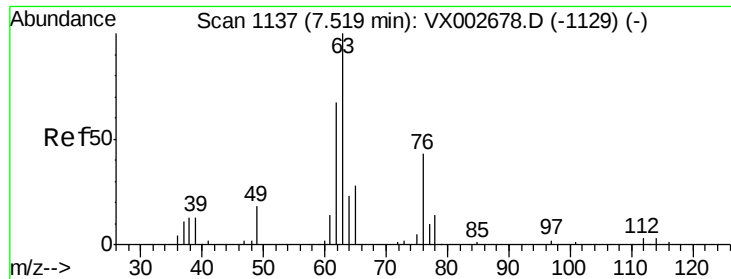
#38
 Methylcyclohexane
 Concen: 19.04 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Tgt Ion: 83 Resp: 75545
 Ion Ratio Lower Upper
 83 100
 55 79.6 40.6 121.8
 98 46.4 23.5 70.5



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0





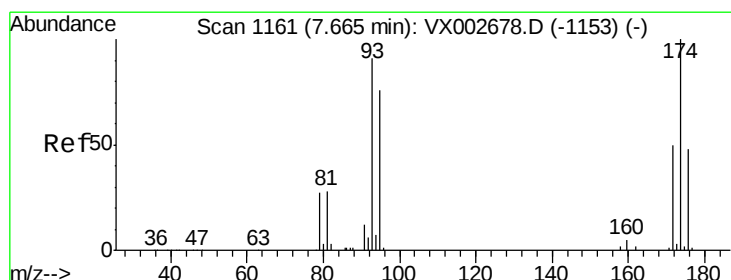
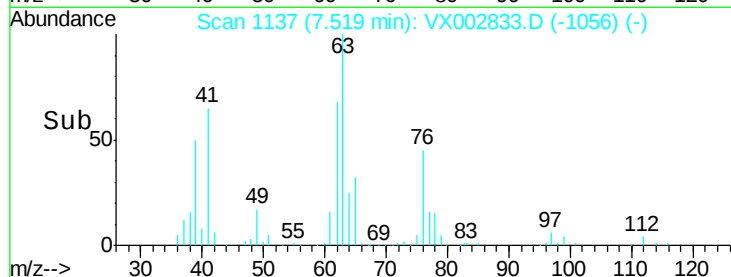
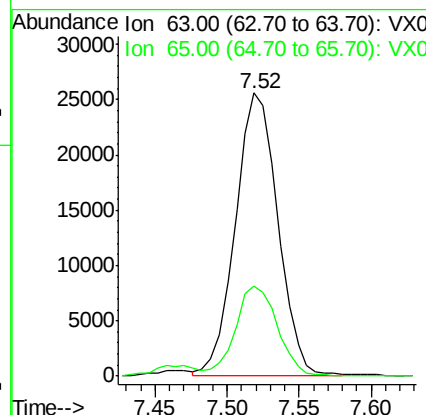
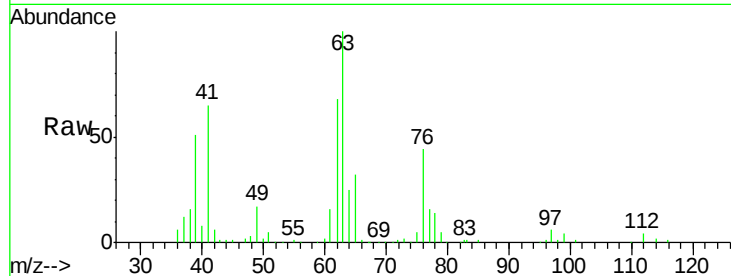
#39
 1,2-Dichloropropane
 Concen: 20.84 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0622WBSD01

Tot Ion: 63 Resp: 52500
 Ion Ratio Lower Upper
 63 100
 65 31.8 23.3 34.9

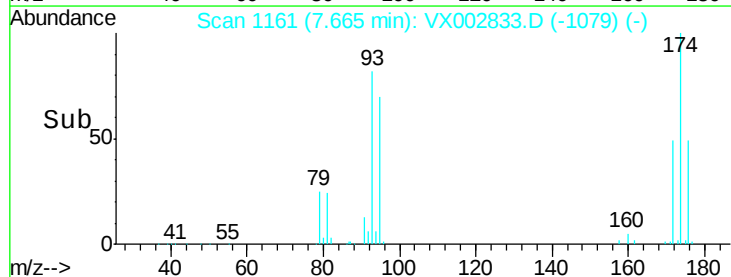
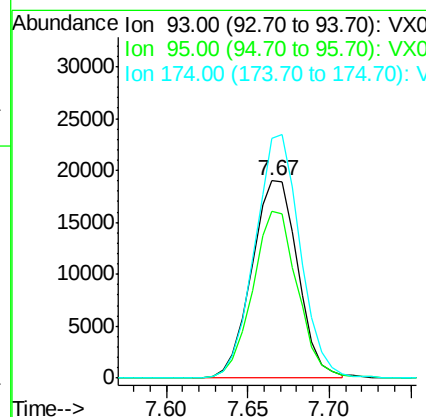
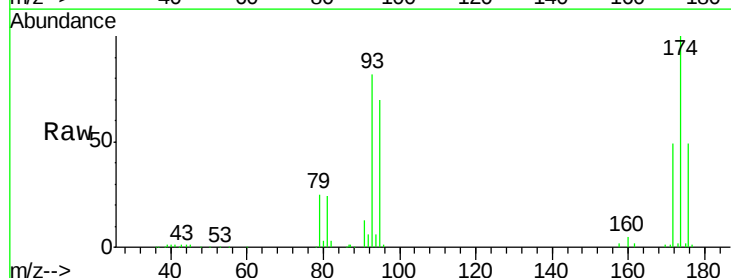
Manual Integrations
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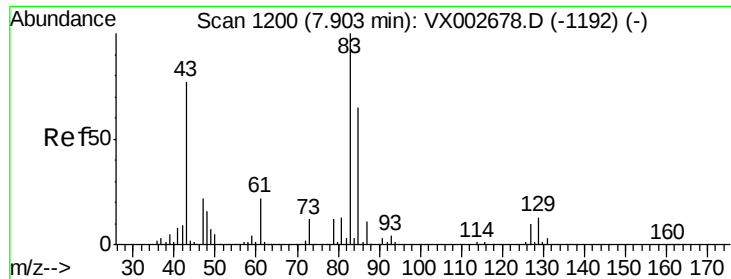
MMDadoda
 6/25/2018 6:56:05 PM



#40
 Dibromomethane
 Concen: 21.43 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Tgt Ion: 93 Resp: 37511
 Ion Ratio Lower Upper
 93 100
 95 82.5 0.0 162.6
 174 120.6 0.0 229.4





#41

Bromodichloromethane

Concen: 20.32 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

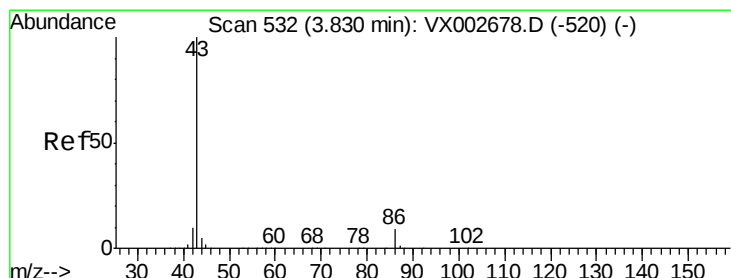
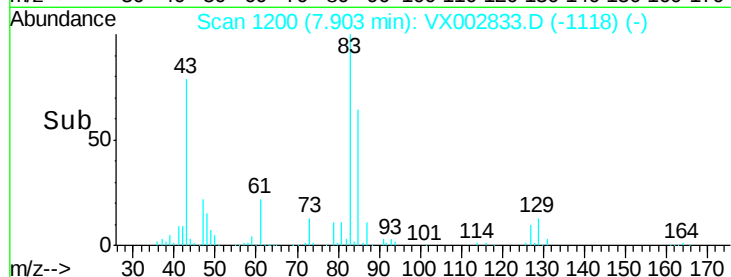
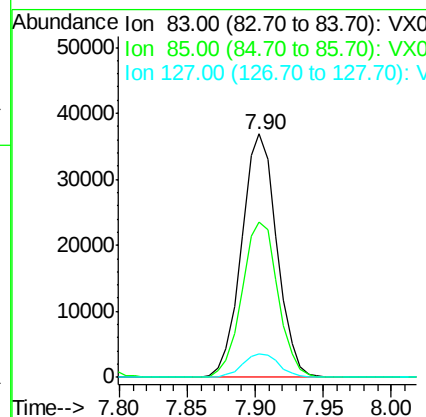
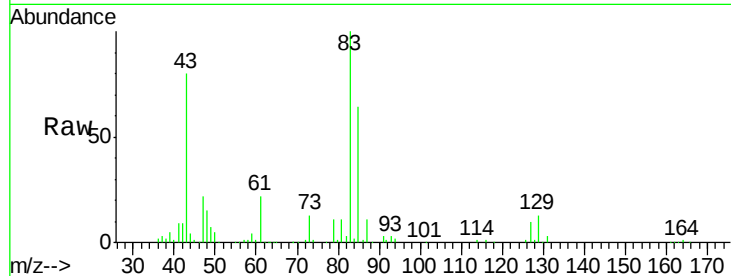
ClientSampleID :

VX0622WBSD01

Tot Ion:	83	Resp:	66791
Ion Ratio	Lower	Upper	
83	100		
85	64.0	49.8	74.8
127	9.8	7.3	10.9

Manual Integrations
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6/25/2018 6:56:05 PM



#42

Vinyl Acetate

Concen: 102.88 ug/l

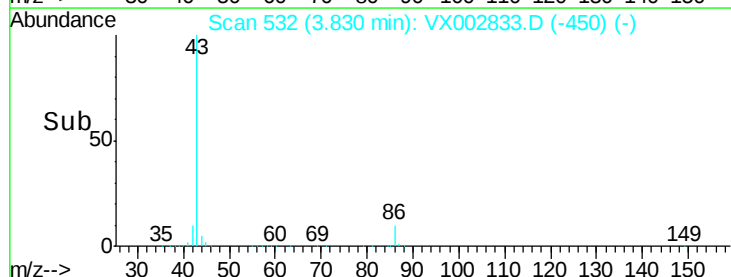
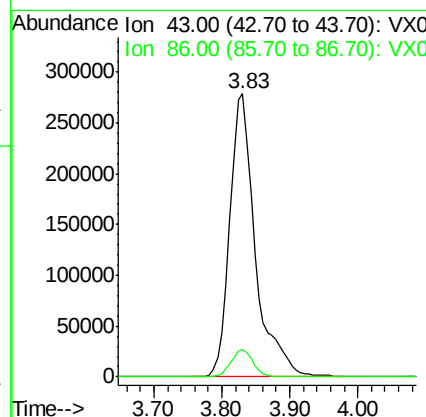
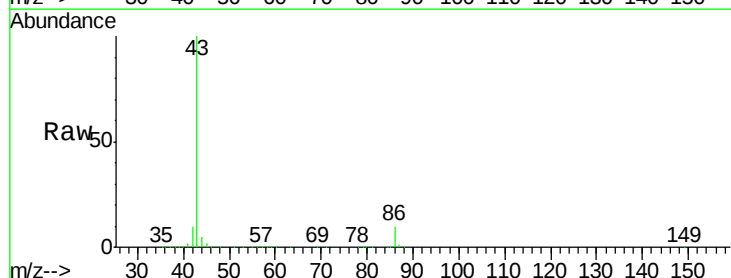
RT: 3.83 min Scan# 532

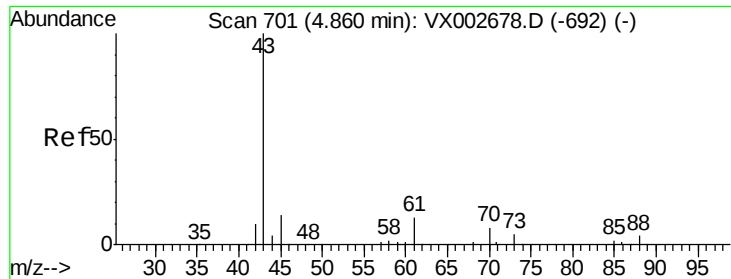
Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Tgt Ion:	43	Resp:	728113
Ion Ratio	Lower	Upper	
43	100		
86	8.4	6.7	10.1





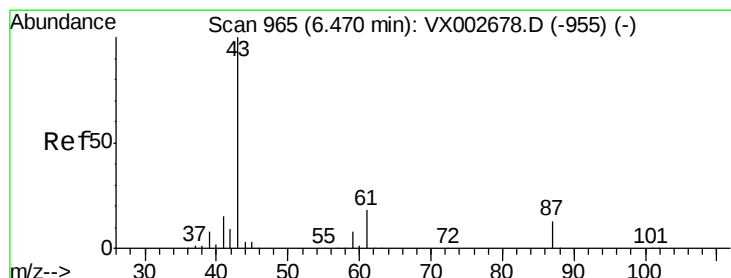
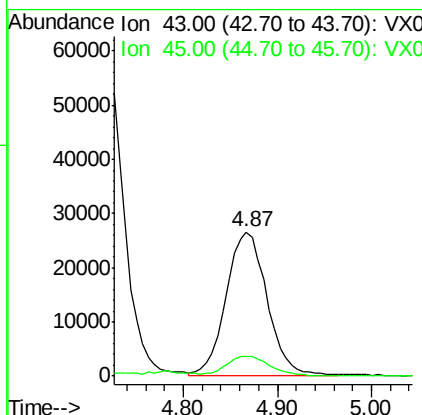
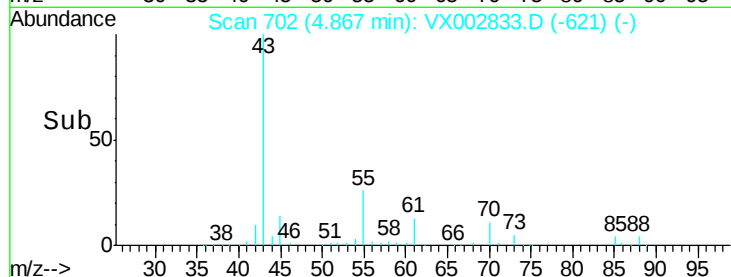
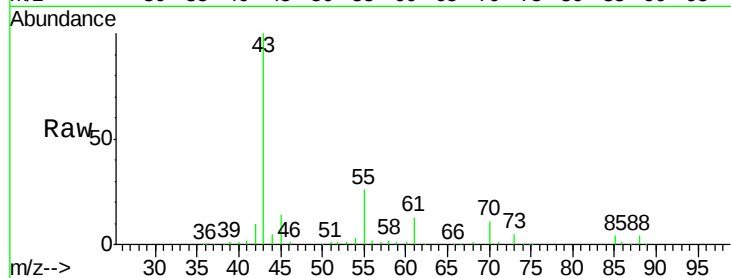
#43
Ethyl Acetate
Concen: 22.48 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :
VX0622WBSD01

Tot Ion: 43 Resp: 80242
Ion Ratio Lower Upper
43 100
45 14.0 11.0 16.4

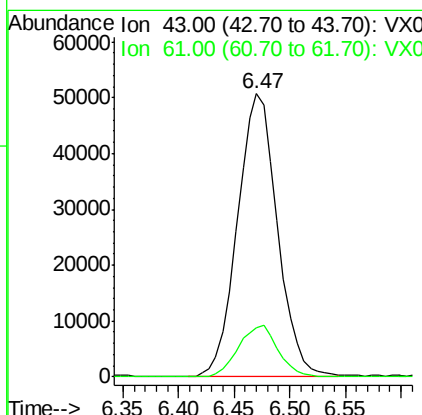
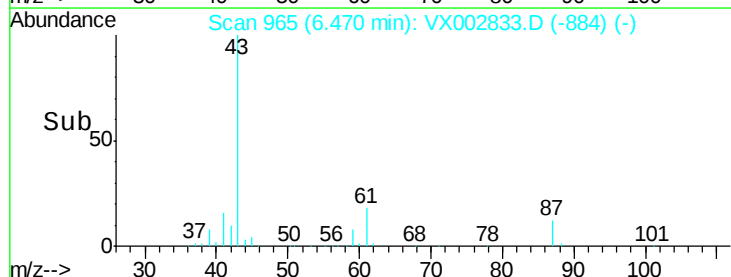
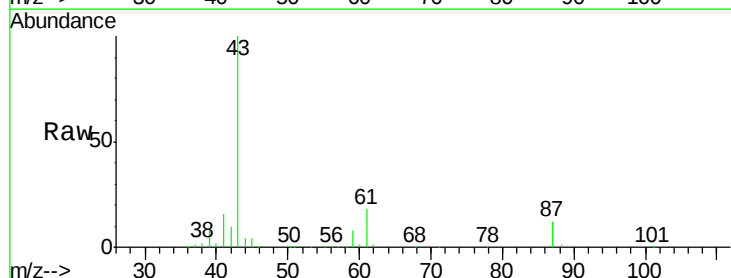
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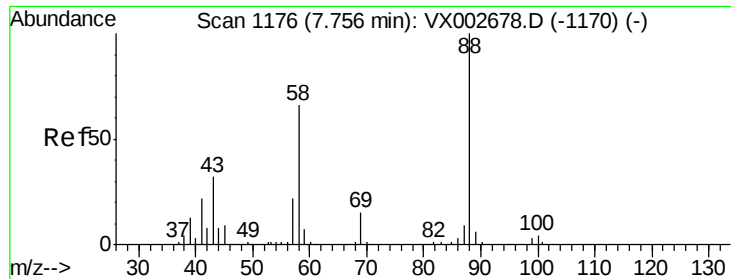
MMDadoda
6/25/2018 6:56:05 PM



#44
Isopropyl Acetate
Concen: 21.13 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.01 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Tgt Ion: 43 Resp: 126345
Ion Ratio Lower Upper
43 100
61 18.3 14.5 21.7





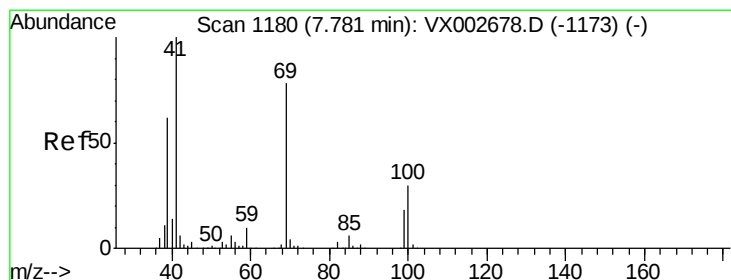
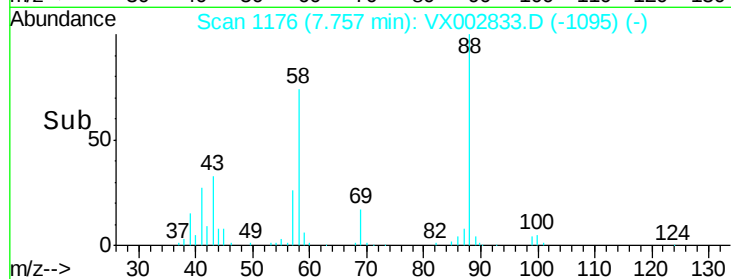
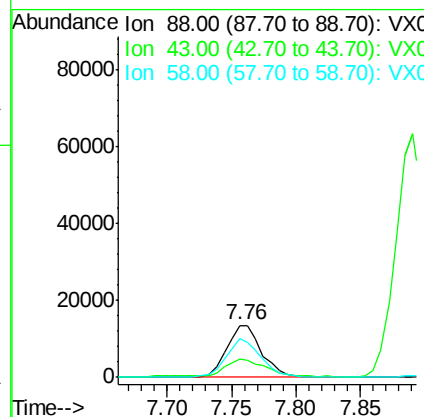
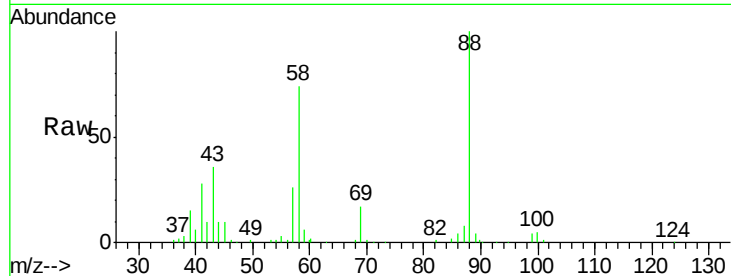
#45
1,4-Dioxane
Concen: 441.25 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :
VX0622WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.3	43.2	64.8#
58	72.6	60.2	90.2

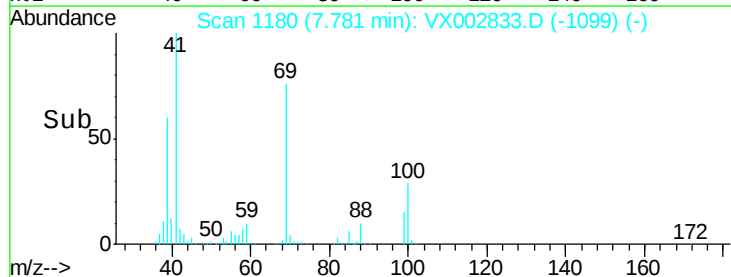
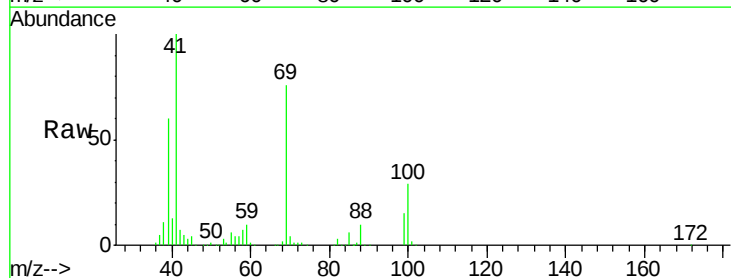
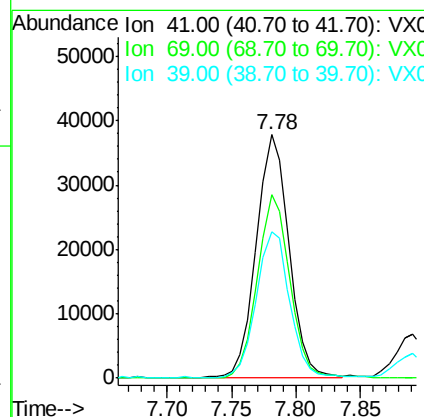
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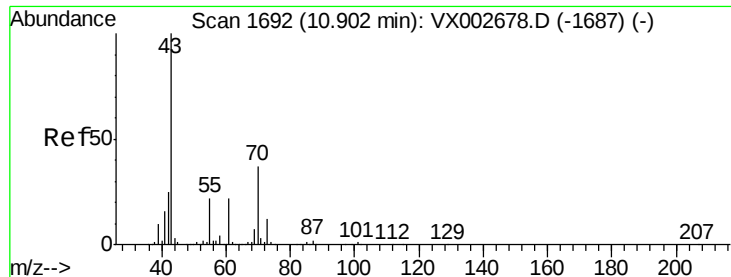
MMDadoda
6/25/2018 6:56:05 PM



#46
Methyl methacrylate
Concen: 21.65 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.8	37.0	110.9
39	60.2	29.6	88.9





#47

n-amvl Acetate

Concen: 19.56 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

VX0622WBSD01

Tot Ion: 43 Resp: 110369

Ion Ratio Lower Upper

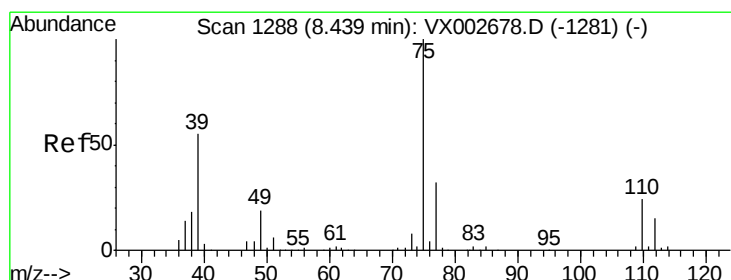
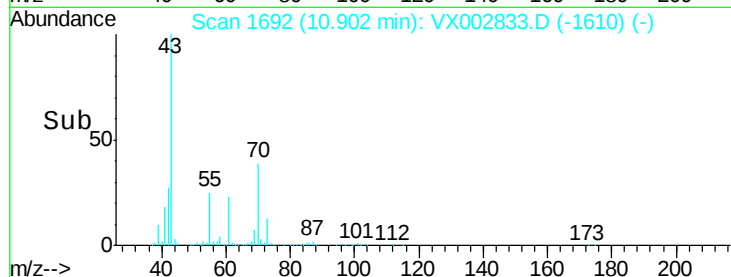
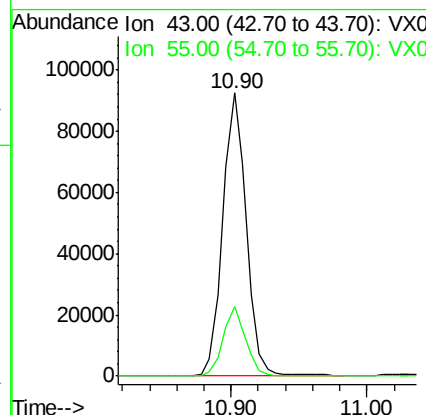
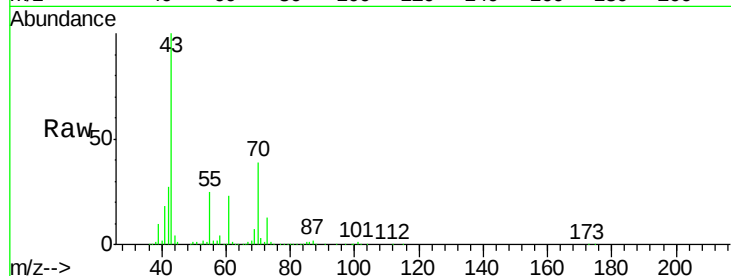
43 100

55 23.8 0.1 0.1#

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#48

t-1,3-Dichloropropene

Concen: 19.75 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002833.D

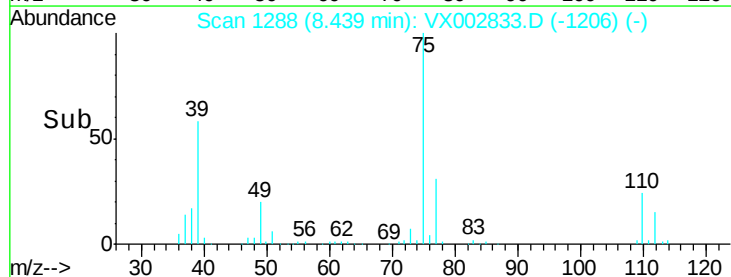
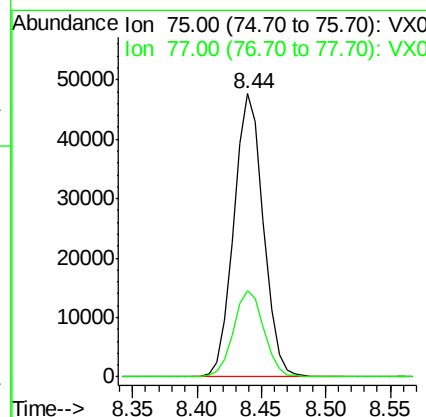
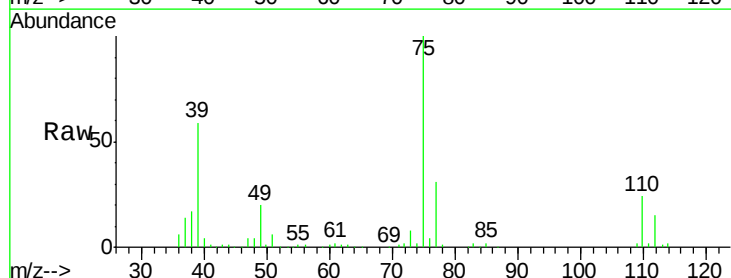
Acq: 22 Jun 2018 14:15

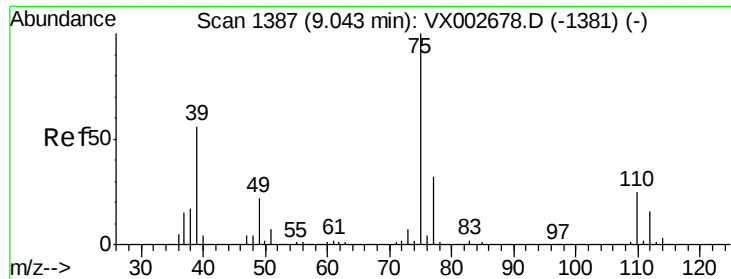
Tgt Ion: 75 Resp: 76245

Ion Ratio Lower Upper

75 100

77 30.6 25.6 38.4





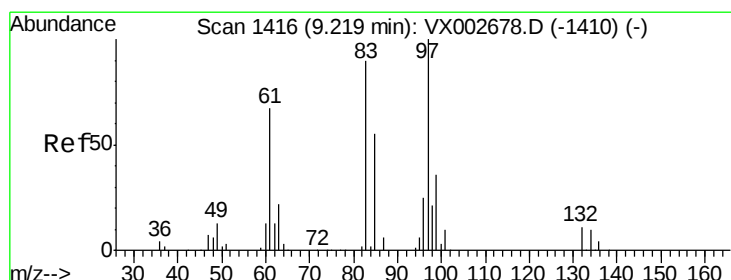
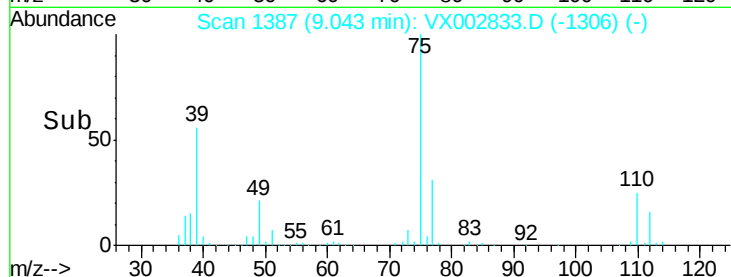
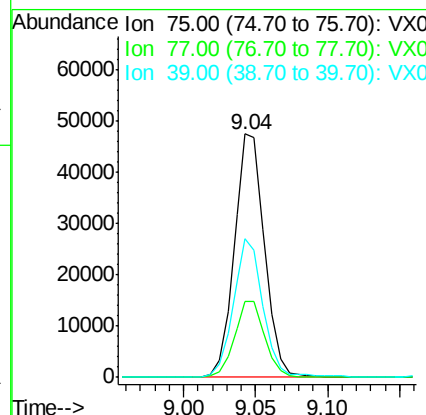
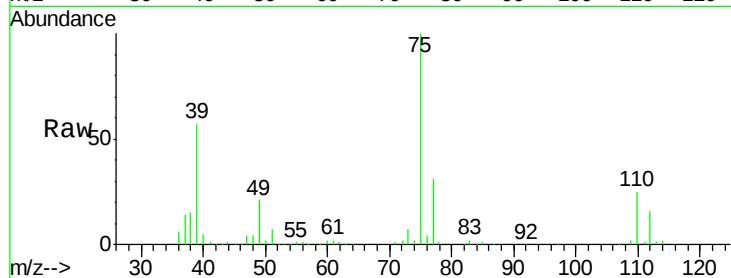
#49
 cis-1,3-Dichloropropene
 Concen: 19.28 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0622WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.2
39	56.3	42.3	63.5

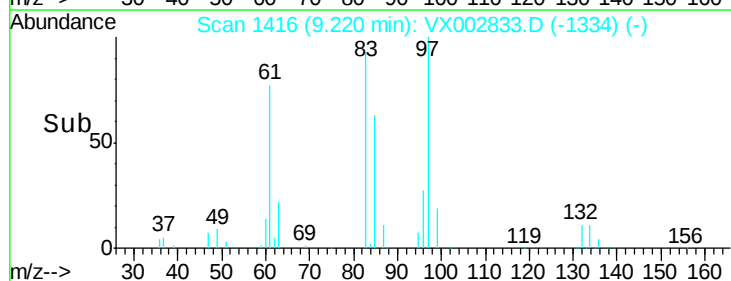
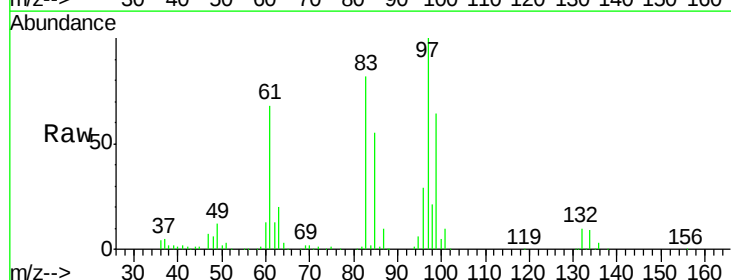
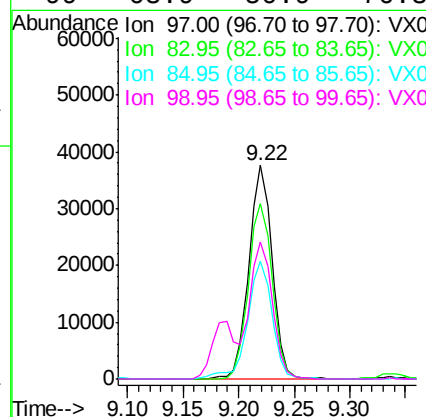
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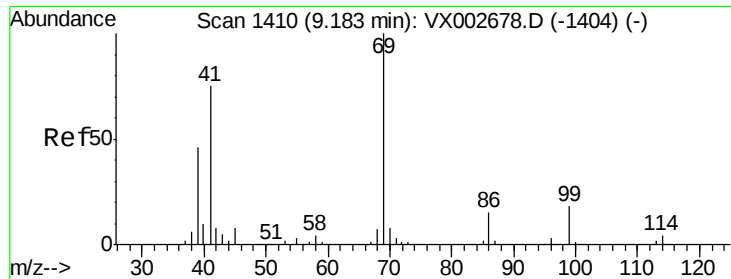
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#50
 1,1,2-Trichloroethane
 Concen: 21.25 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.9	70.8	106.2
85	55.3	43.5	65.3
99	63.9	50.9	76.3





#51

Ethyl methacrylate

Concen: 20.53 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.01 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

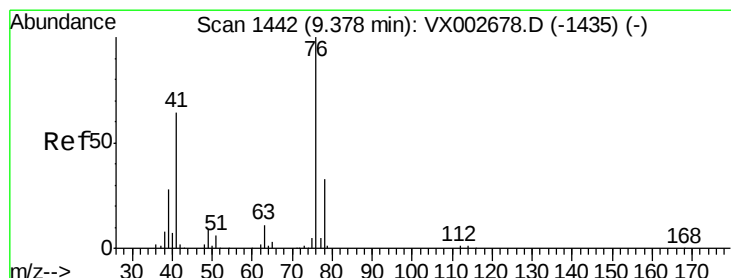
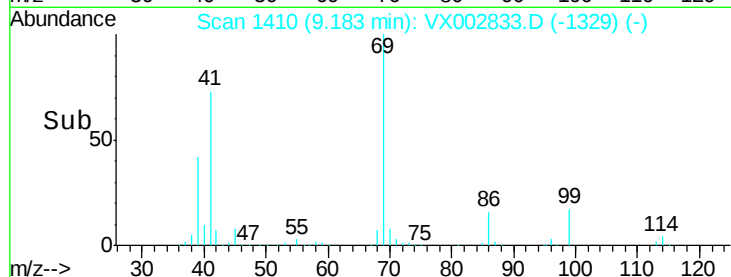
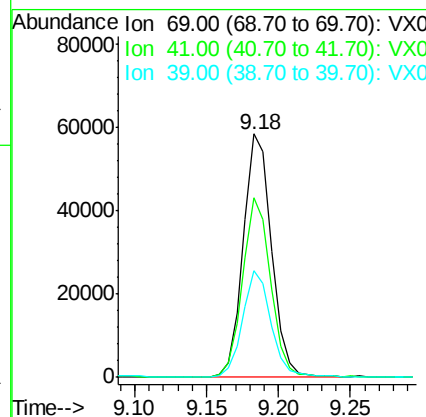
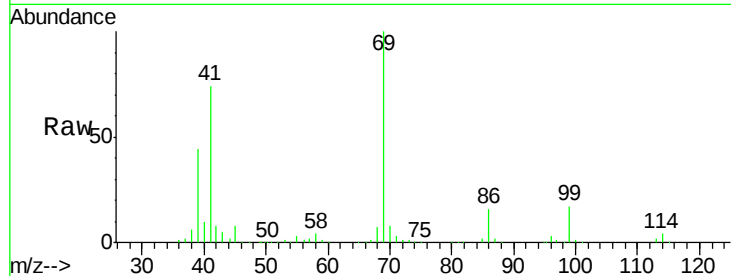
ClientSampleId :

VX0622WBSD01

Tot Ion:	69	Resp:	80004
Ion	Ratio	Lower	Upper
69	100		
41	73.7	39.1	117.3
39	43.5	21.7	65.1

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#52

1,3-Dichloropropane

Concen: 21.23 ug/l

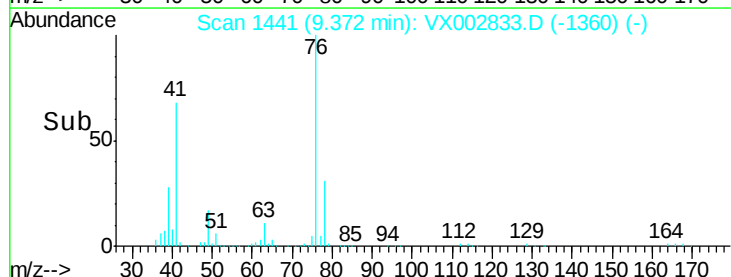
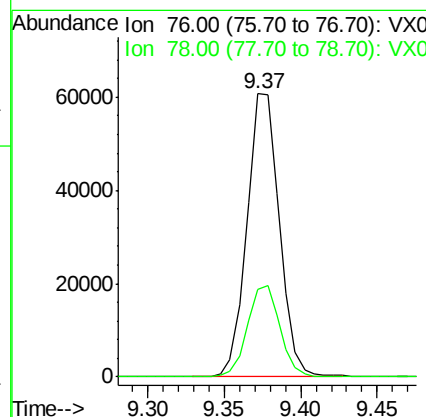
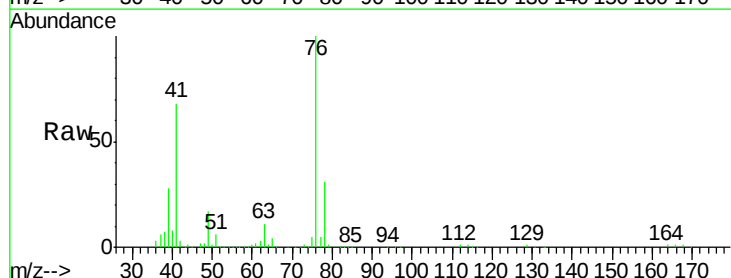
RT: 9.37 min Scan# 1441

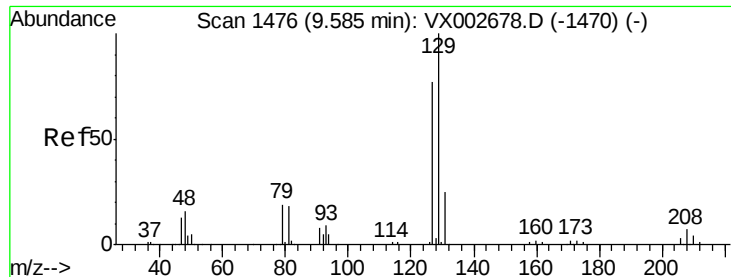
Delta R.T. -0.01 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Tgt Ion:	76	Resp:	89539
Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	63.4





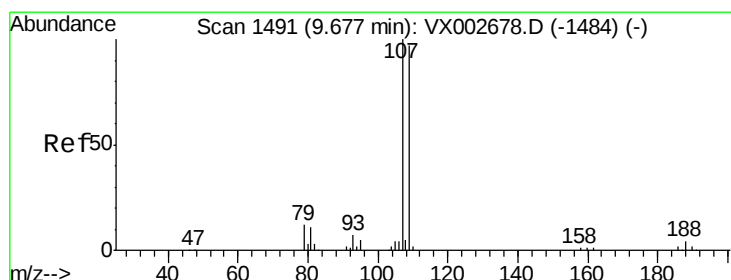
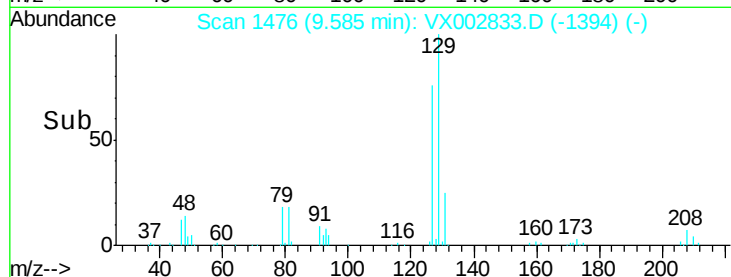
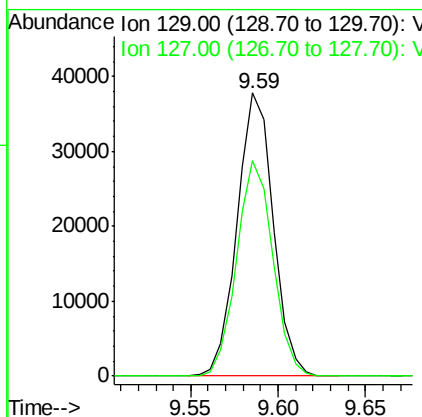
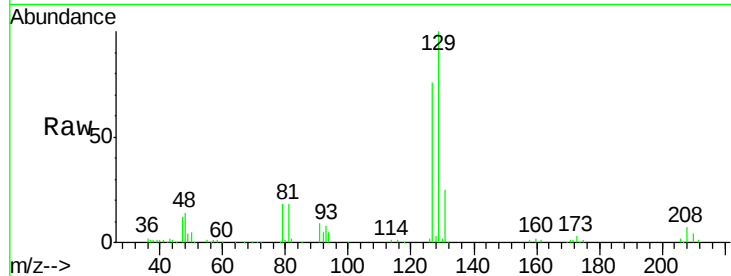
#53
Dibromochloromethane
Concen: 19.78 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :
VX0622WBSD01

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.5	115.3

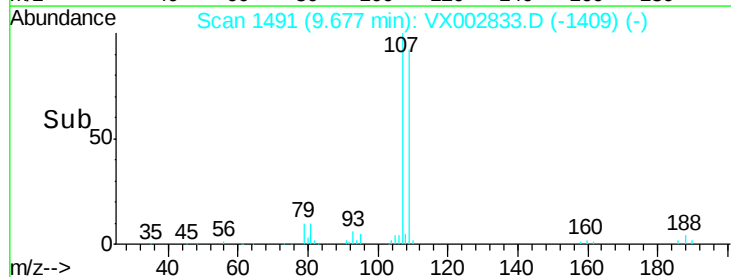
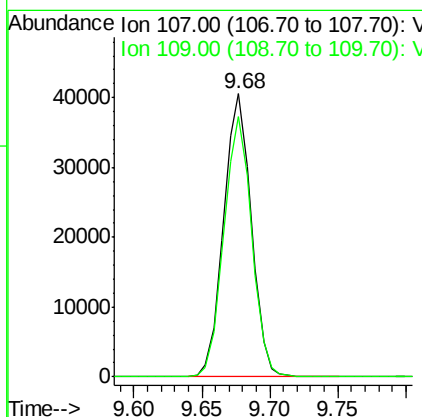
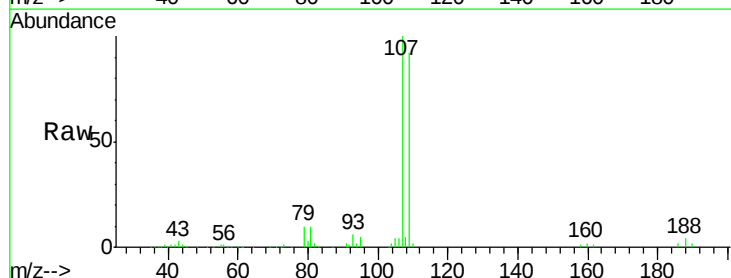
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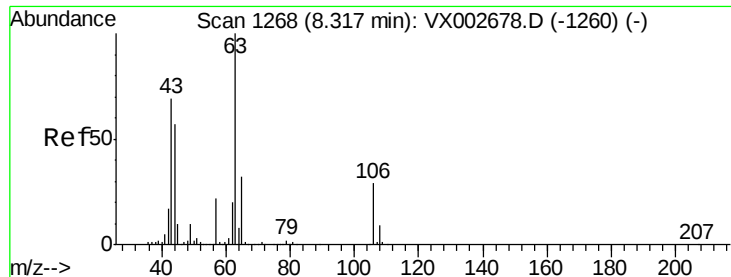
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#54
1,2-Dibromoethane
Concen: 21.07 ug/l
RT: 9.68 min Scan# 1491
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.4	75.5	113.3





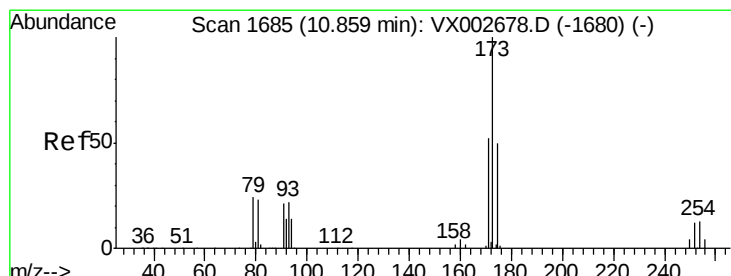
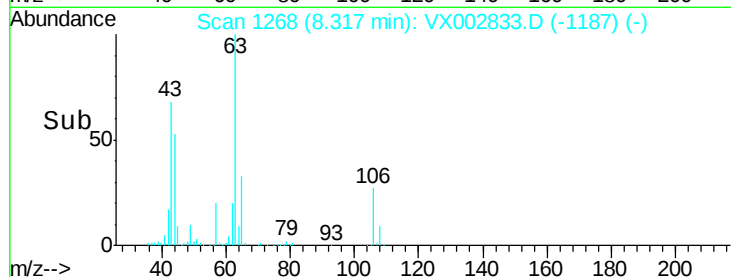
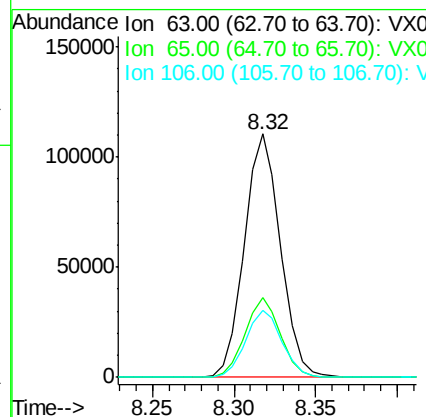
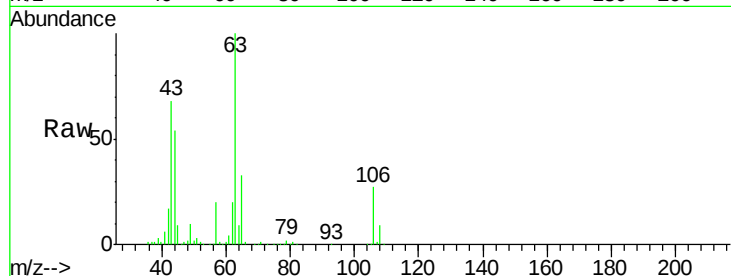
#55
 2-Chloroethyl vinyl ether
 Concen: 91.64 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0622WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.6	38.4
106	27.7	21.6	32.4

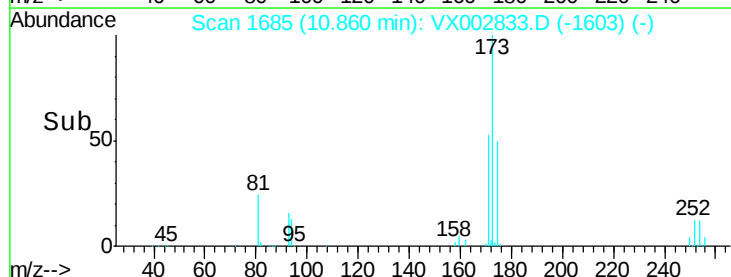
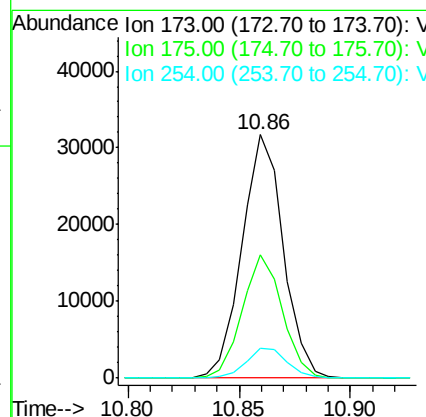
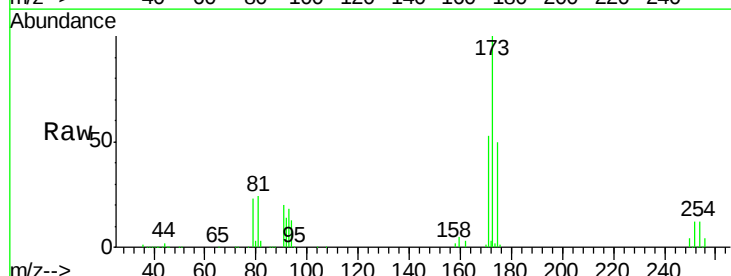
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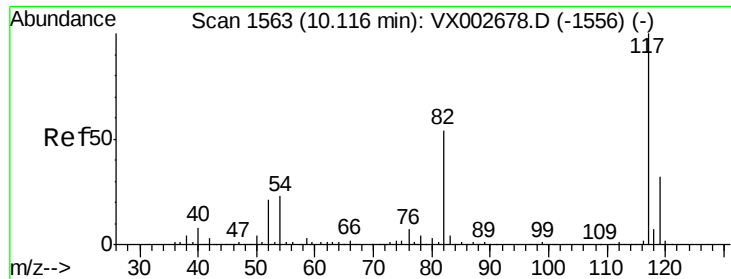
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#56
 Bromoform
 Concen: 18.71 ug/l
 RT: 10.86 min Scan# 1685
 Delta R.T. -0.00 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.0	58.4
254	12.2	9.6	14.4





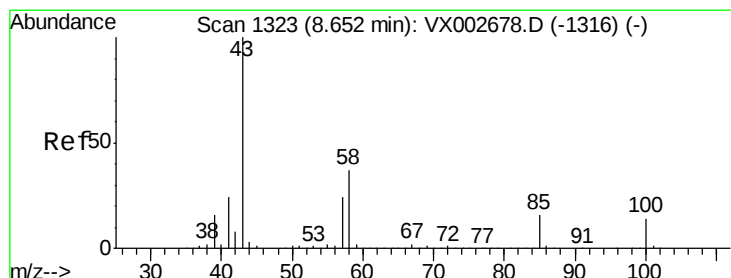
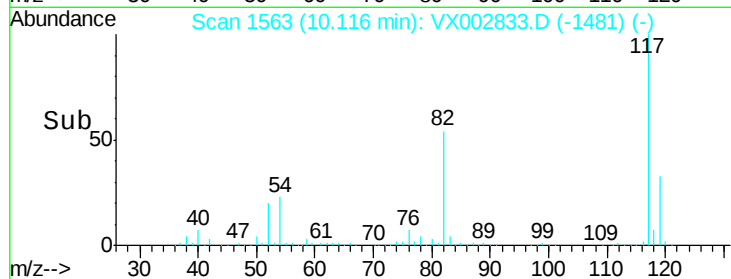
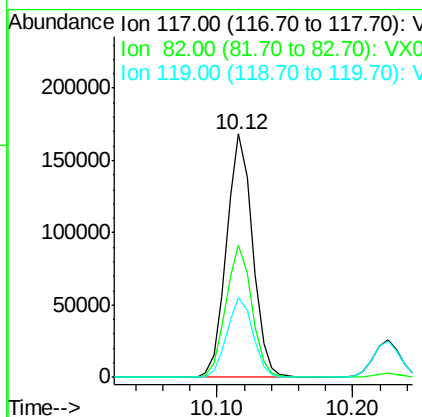
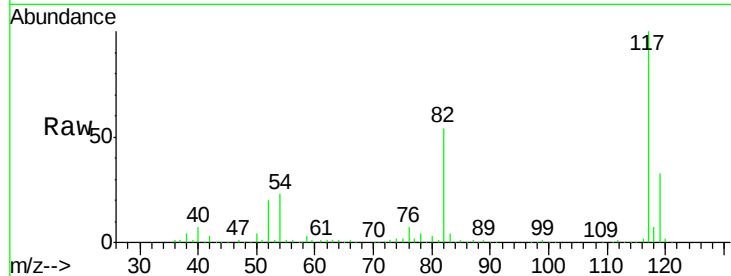
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :
VX0622WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	44.3	66.5
119	32.8	25.7	38.5

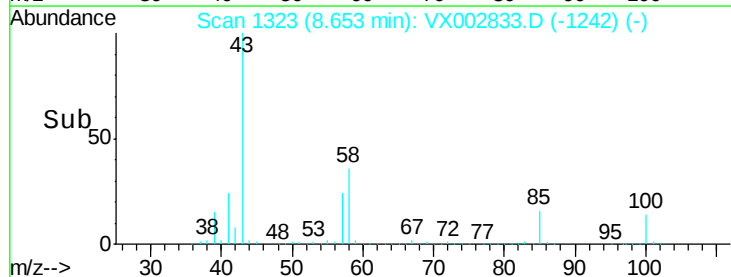
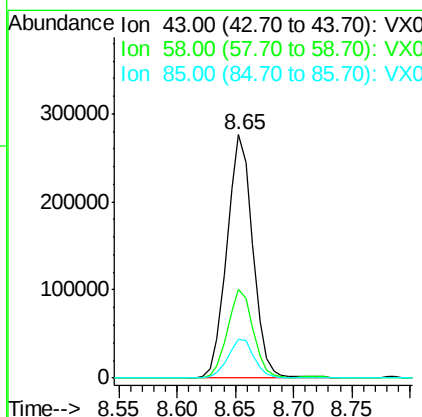
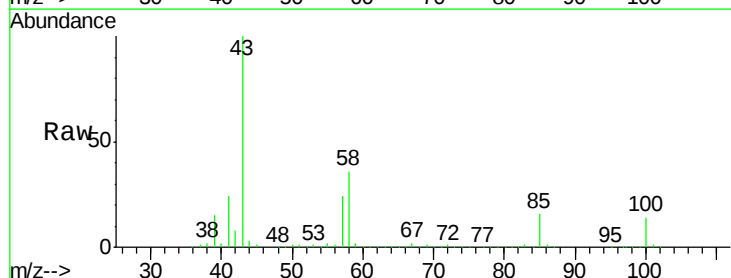
Manual Integrations
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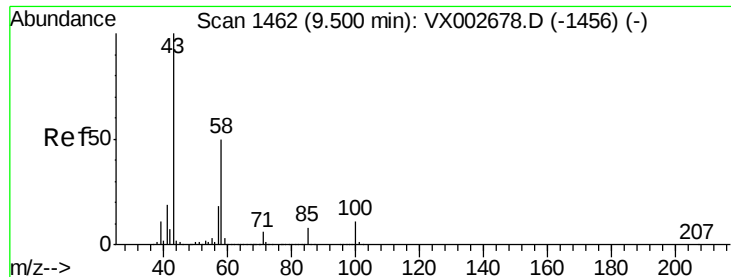
MMDadoda
6/25/2018 6:56:05 PM



#58
4-Methyl-2-Pentanone
Concen: 111.73 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.2	42.4
85	16.3	12.4	18.6





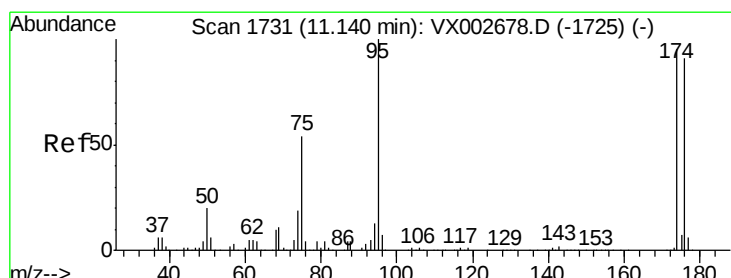
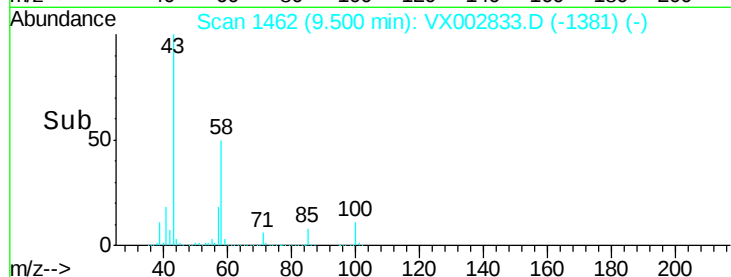
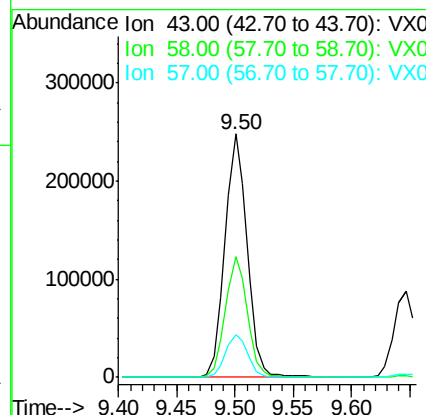
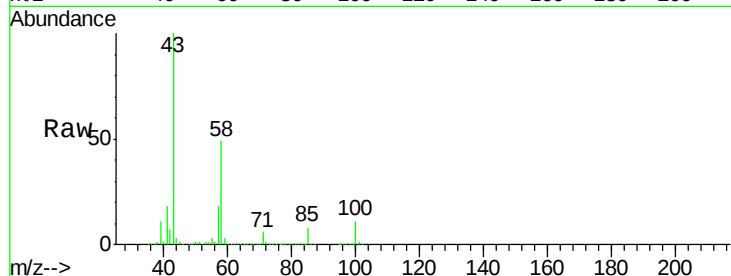
#59
2-Hexanone
Concen: 111.78 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :
VX0622WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
58	49.2	39.6	59.4	
57	18.0	14.1	21.1	

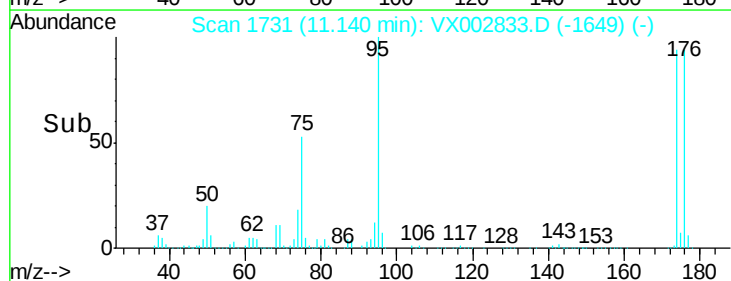
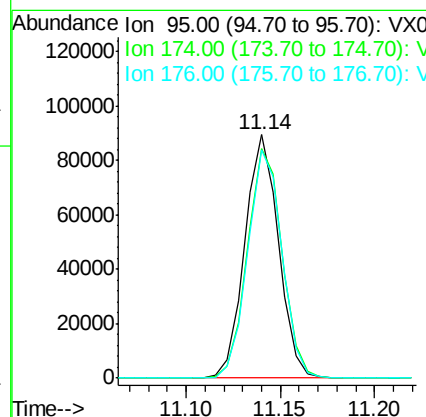
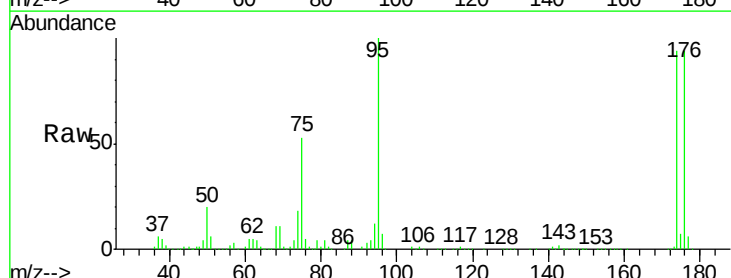
Manual Integrations
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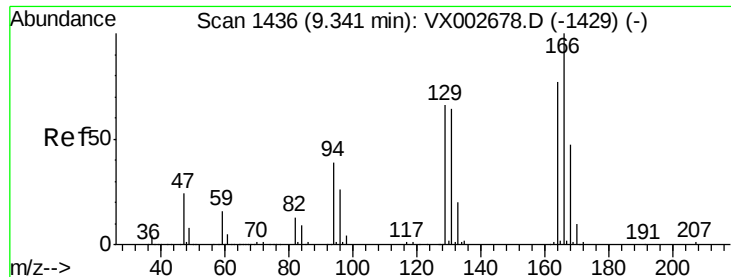
MMDadoda
6/25/2018 6:56:05 PM



#60
4-Bromofluorobenzene
Concen: 29.85 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
95	100			
174	97.2	71.8	107.6	
176	95.3	70.1	105.1	





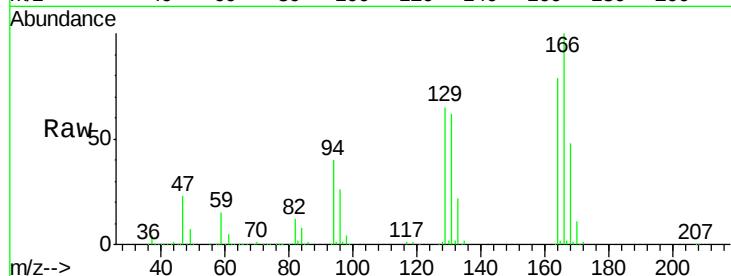
#61
Tetrachloroethene
Concen: 22.04 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :
VX0622WBSD01

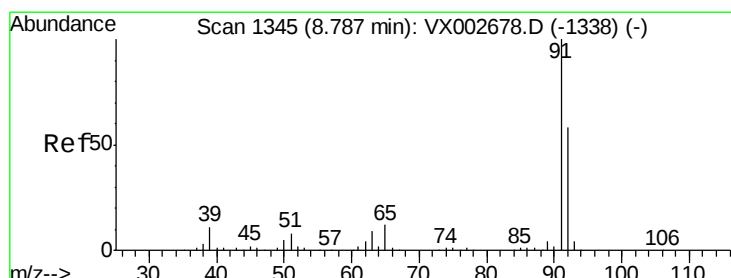
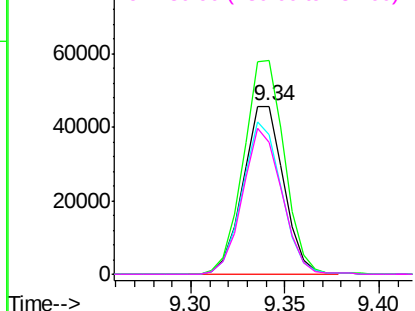
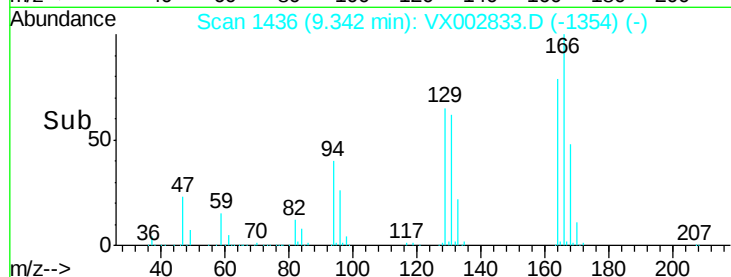
Tot Ion	Ratio	Lower	Upper
164	100		
166	127.1	102.4	153.6
129	83.0	70.1	105.1
131	78.5	69.1	103.7

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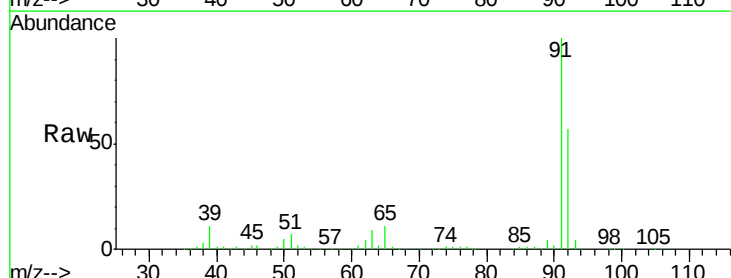


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

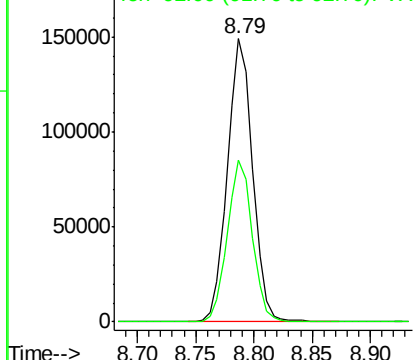
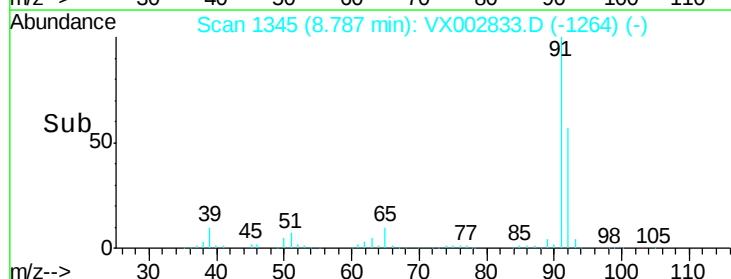


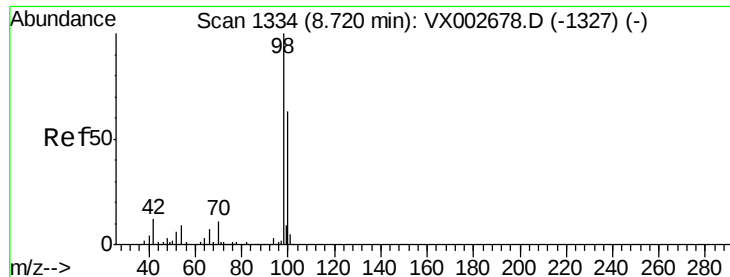
#62
Toluene
Concen: 20.74 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.7	46.5	69.7



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.70 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

VX0622WBSD01

Tot Ion: 98 Resp: 301333

Ion Ratio Lower Upper

98 100

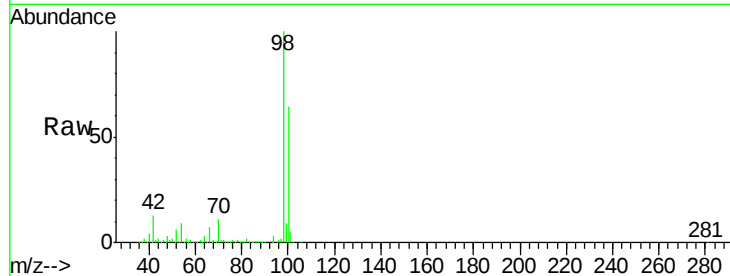
100 63.7 50.8 76.2

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VX002678.D (-1327) (-)

Ion 100.00 (99.70 to 100.70): VX002678.D (-1327) (-)

8.72

200000

150000

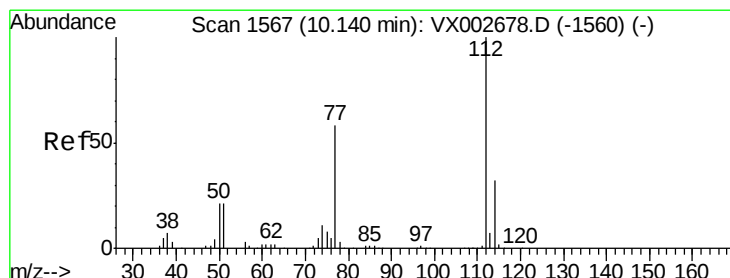
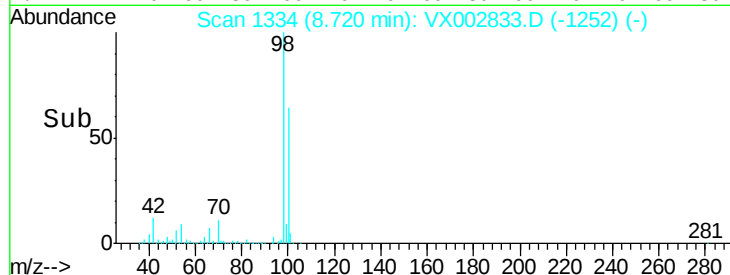
100000

50000

0

8.65 8.70 8.75 8.80 8.85

Time-->



#64

Chlorobenzene

Concen: 20.69 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002833.D

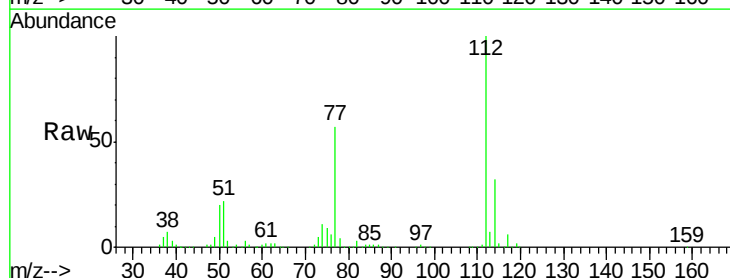
Acq: 22 Jun 2018 14:15

Tgt Ion: 112 Resp: 148916

Ion Ratio Lower Upper

112 100

114 31.9 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VX002678.D (-1560) (-)

Ion 114.00 (113.70 to 114.70): VX002678.D (-1560) (-)

10.14

120000

100000

80000

60000

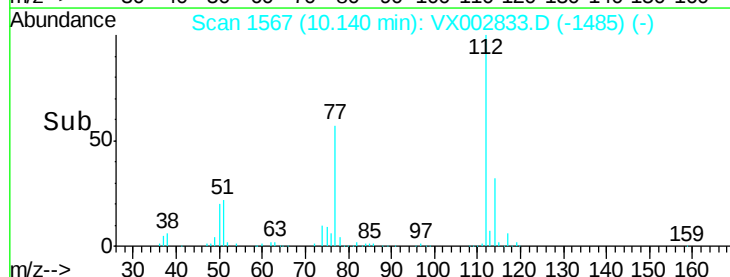
40000

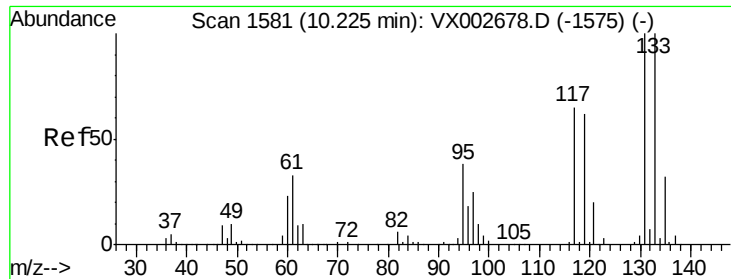
20000

0

10.10 10.15 10.20

Time-->





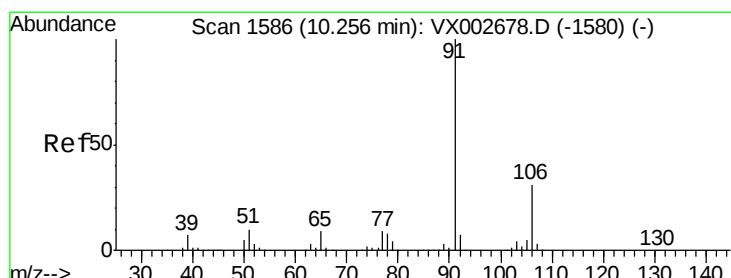
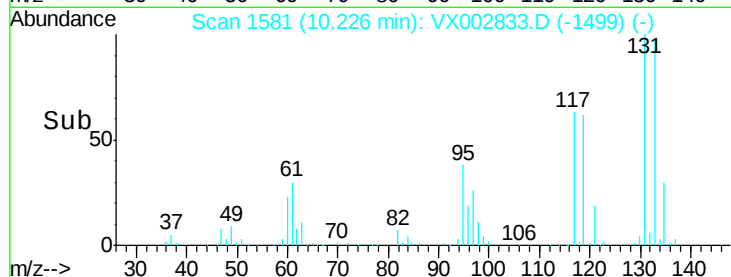
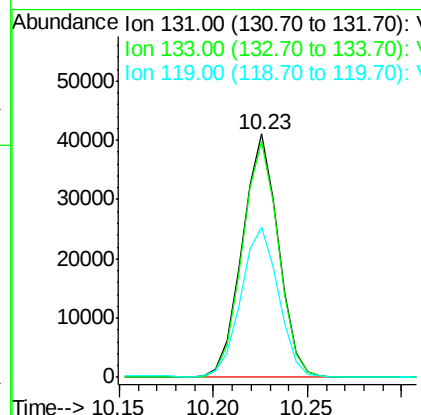
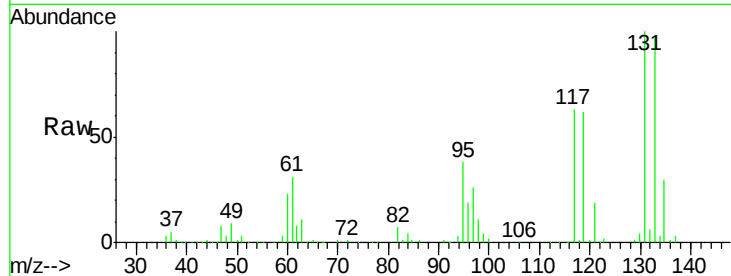
#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.67 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0622WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
131	100	54522		
133	97.2	0.0	191.2	
119	63.9	0.0	125.4	

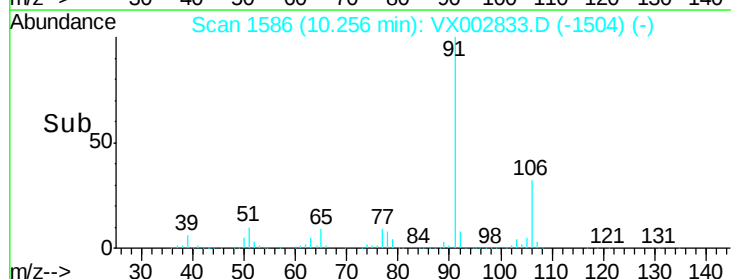
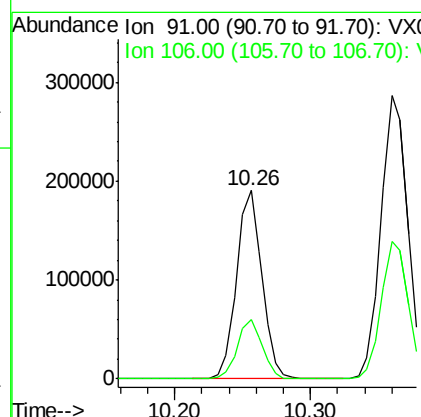
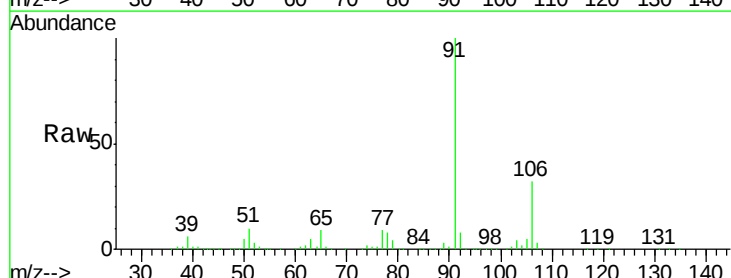
Manual Integrations
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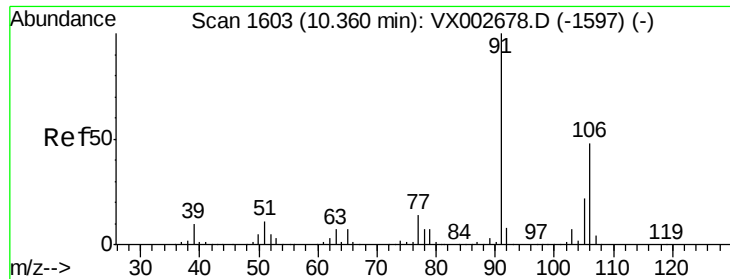
MMDadoda
 6/25/2018 6:56:05 PM



#66
 Ethyl Benzene
 Concen: 20.20 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	246420		
106	31.5	25.2	37.8	





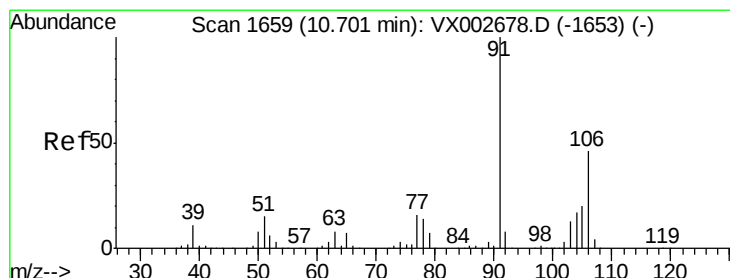
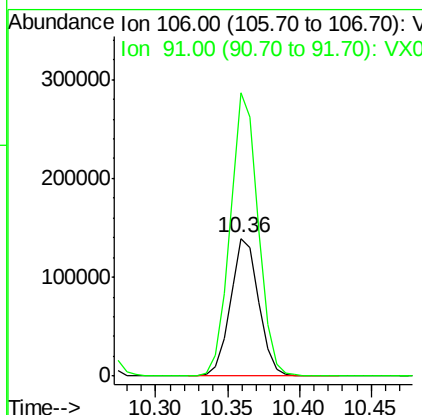
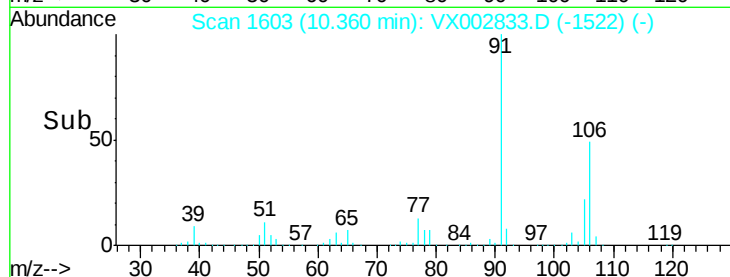
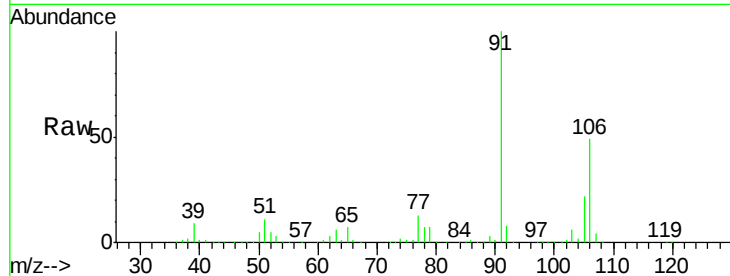
#67
m/p-Xvlenes
Concen: 40.38 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :
VX0622WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		191417		
91	203.8	164.1	246.1		

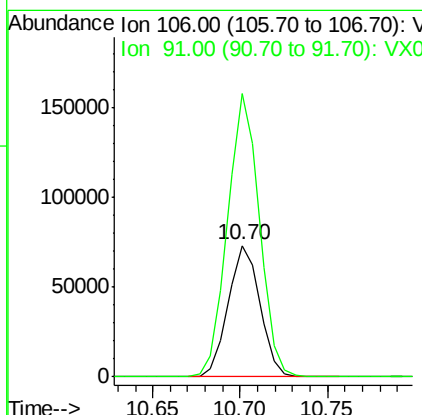
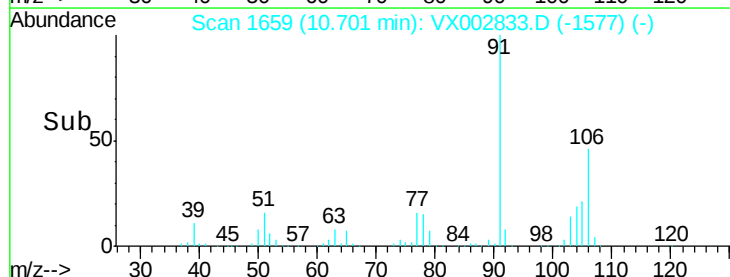
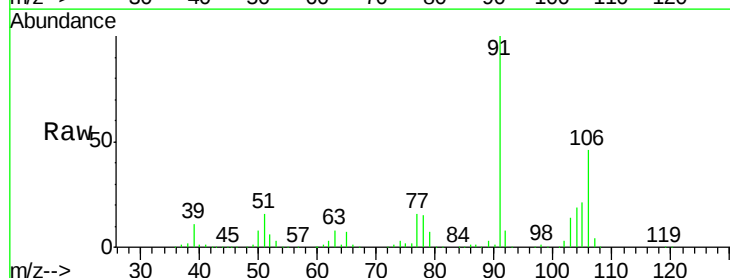
Manual Integrations
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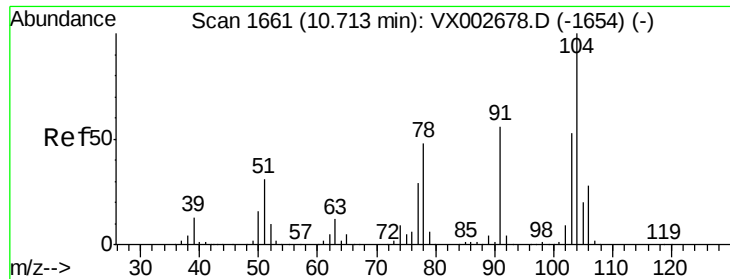
MMDadoda
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#68
o-Xylene
Concen: 20.09 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		92787		
91	215.9	109.1	327.3		





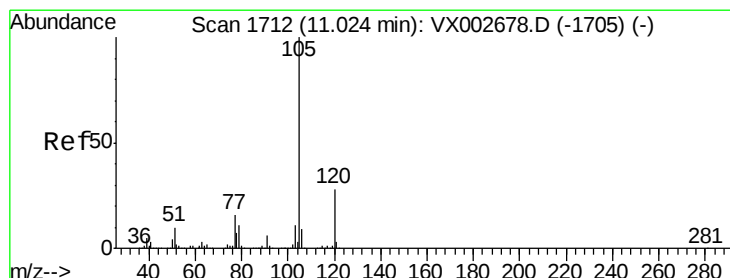
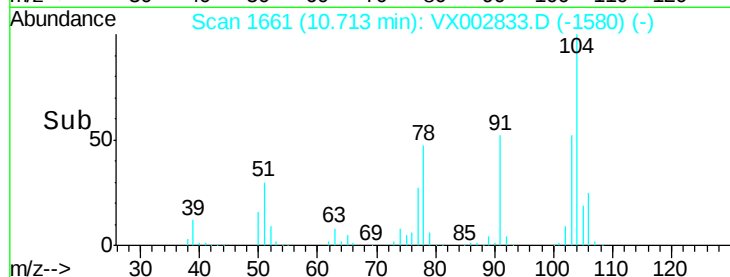
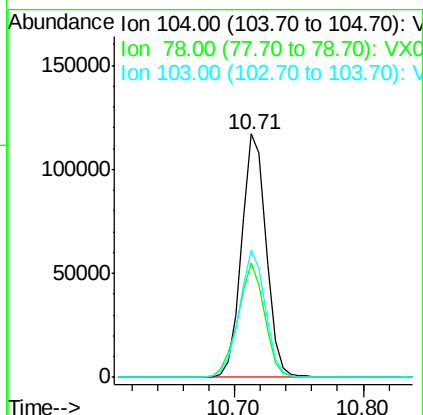
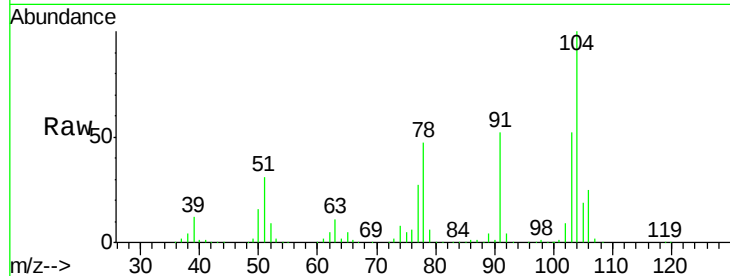
#69
Stvrene
Concen: 19.93 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :
VX0622WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.2	41.8	62.8
103	55.7	44.9	67.3

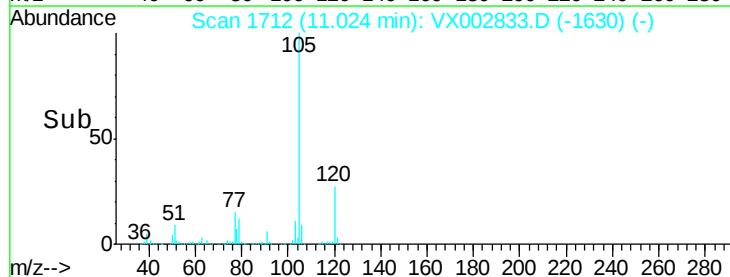
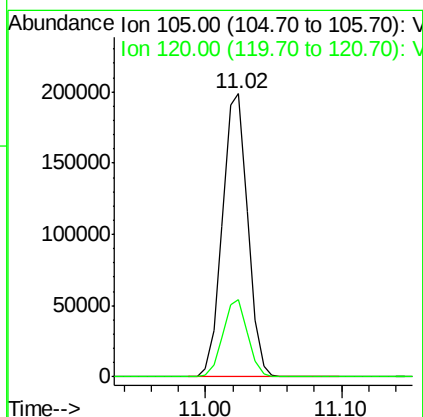
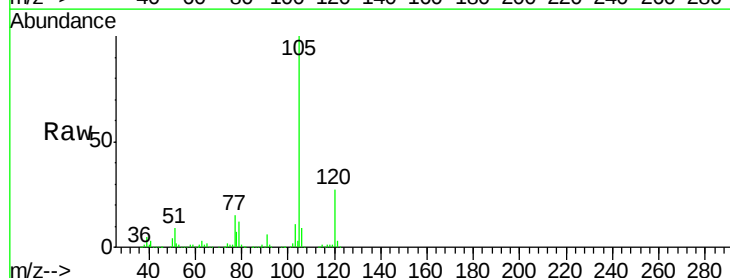
Manual Integrations
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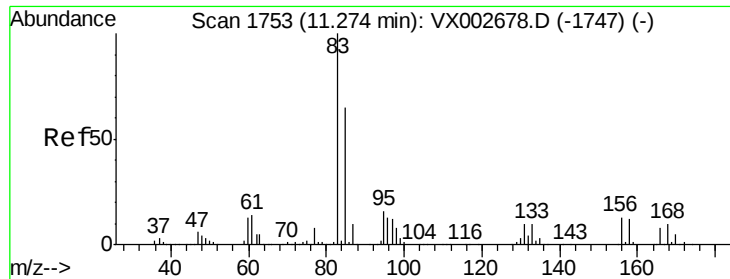
MMDadoda
6/25/2018 6:56:05 PM



#70
Isopropylbenzene
Concen: 20.12 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	19.0	35.2





#71

1,1,2,2-Tetrachloroethane

Concen: 20.97 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

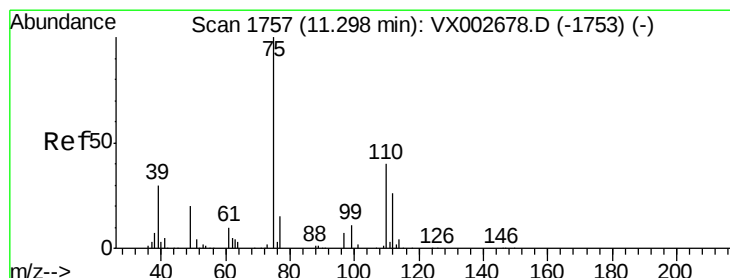
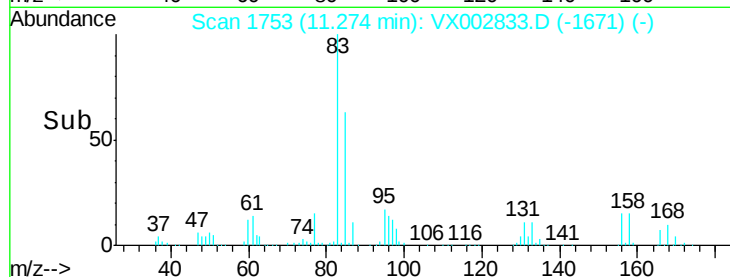
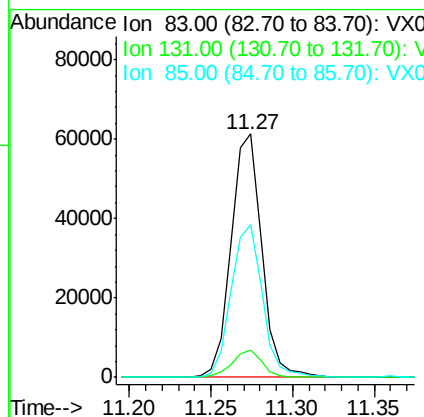
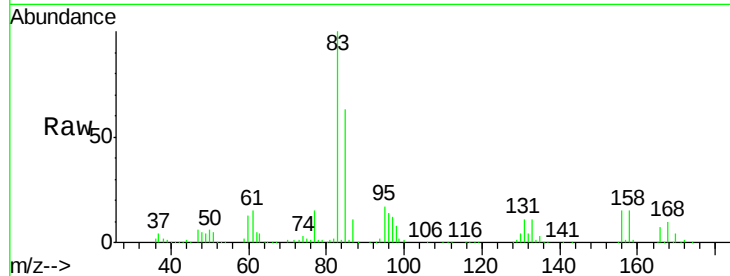
ClientSampleId :

VX0622WBSD01

Tot Ion:	83	Resp:	79850
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.4	16.2
85	64.2	32.4	97.2

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#72

1,2,3-Trichloropropane

Concen: 24.44 ug/l m

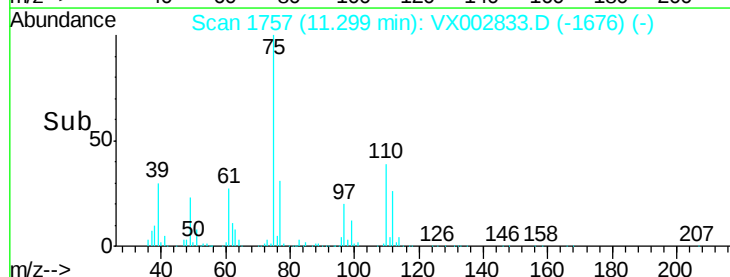
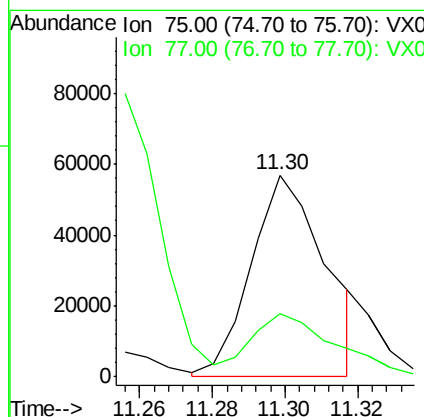
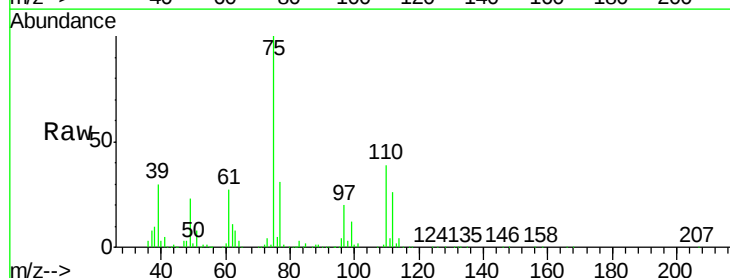
RT: 11.30 min Scan# 1757

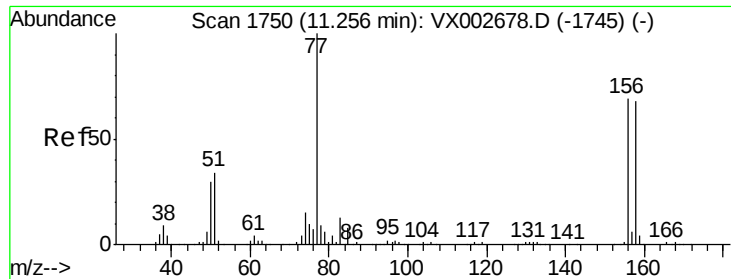
Delta R.T. -0.01 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Tgt Ion:	75	Resp:	80678
Ion Ratio	Lower	Upper	
75	100		
77	36.4	0.0	71.8





#73

Bromobenzene

Concen: 20.08 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

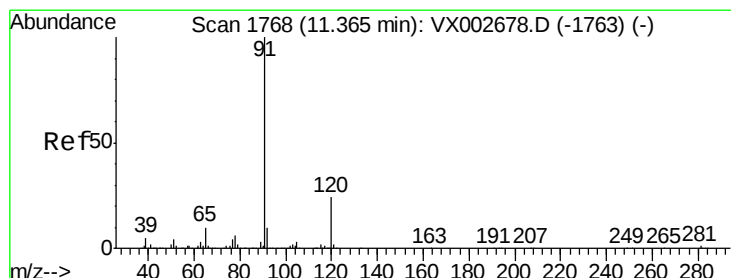
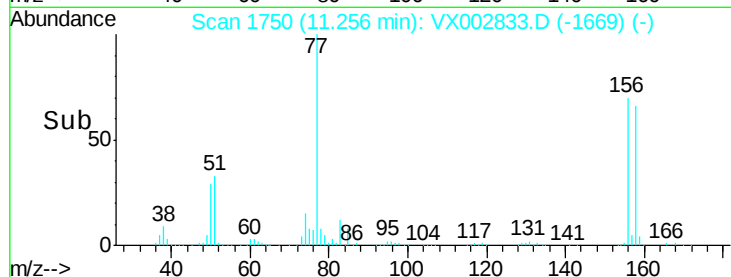
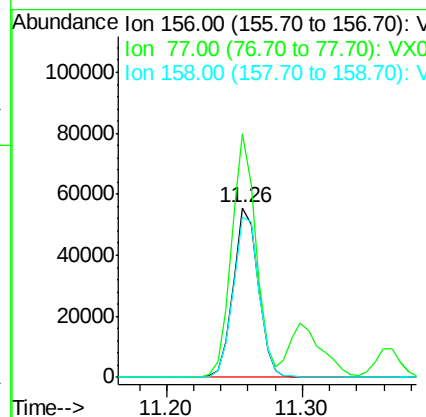
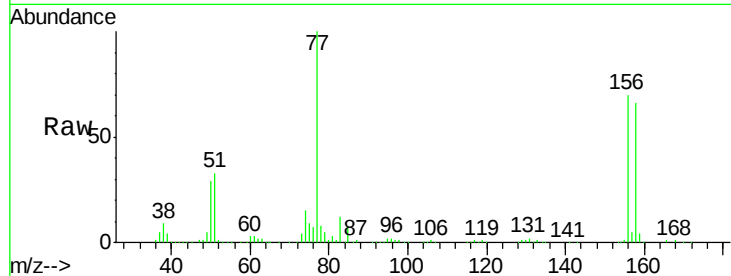
ClientSampleId :

VX0622WBSD01

Tot Ion:	156	Resp:	71135
Ion Ratio	Lower	Upper	
156	100		
77	139.1	0.0	301.0
158	97.6	0.0	196.2

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#74

n-propylbenzene

Concen: 19.75 ug/l

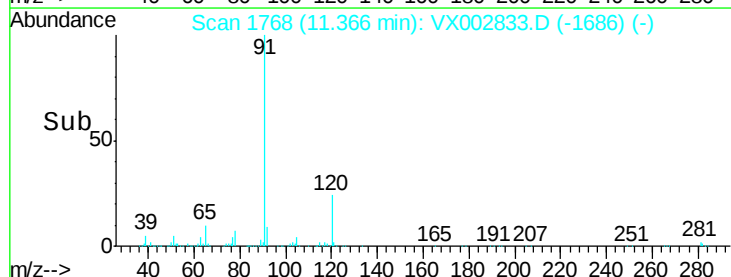
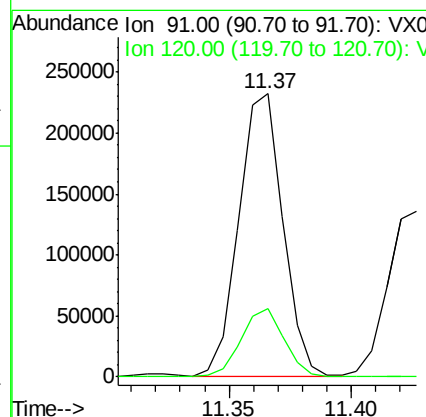
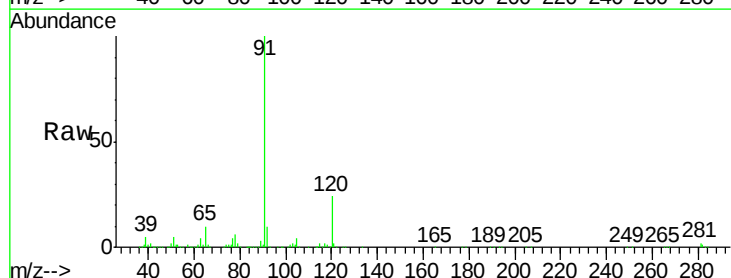
RT: 11.37 min Scan# 1768

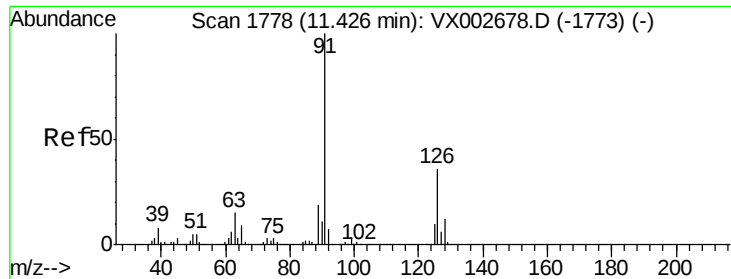
Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Tgt Ion:	91	Resp:	291951
Ion Ratio	Lower	Upper	
91	100		
120	23.6	0.0	46.2





#75

2-Chlorotoluene

Concen: 20.46 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

VX0622WBSD01

Tot Ion: 91 Resp: 176036

Ion Ratio Lower Upper

91 100

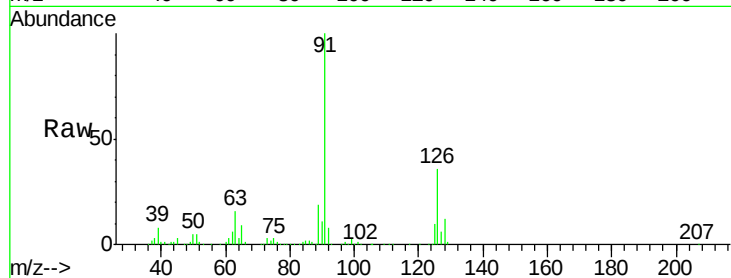
126 35.4 0.0 69.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX002678.D (-1773) (-)

Ion 126.00 (125.70 to 126.70): VX002678.D (-1773) (-)

250000

200000

150000

100000

50000

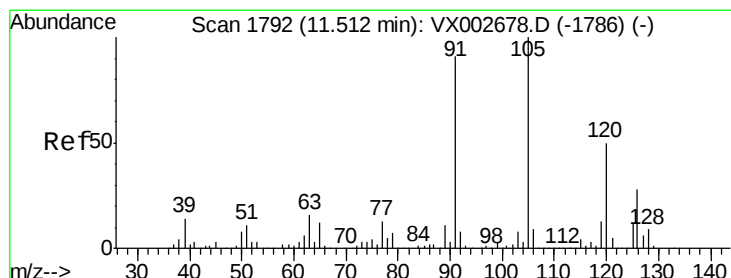
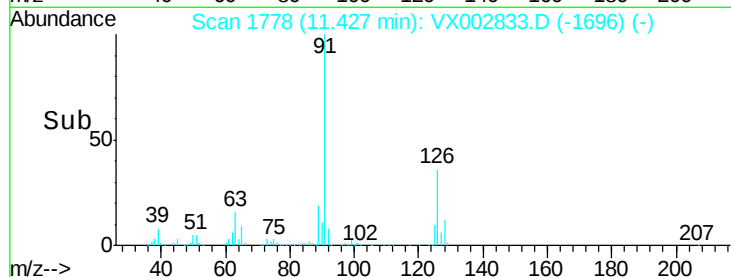
0

11.40

11.43

11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.82 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002833.D

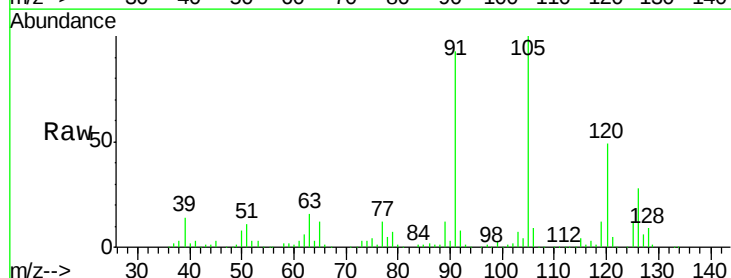
Acq: 22 Jun 2018 14:15

Tgt Ion: 105 Resp: 214299

Ion Ratio Lower Upper

105 100

120 48.9 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): VX002678.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX002678.D (-1786) (-)

200000

150000

100000

50000

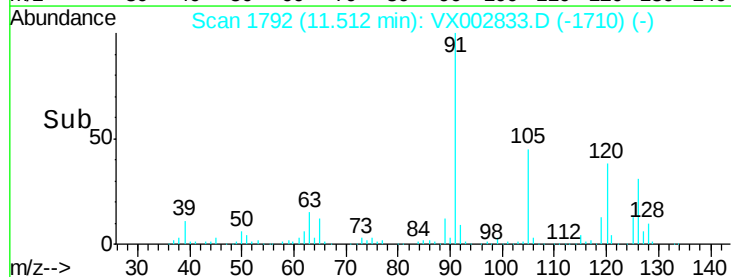
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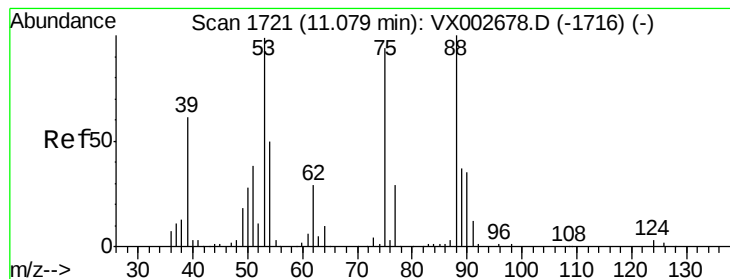
11.45

11.51

11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 18.05 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

VX0622WBSD01

Tot Ion: 75 Resp: 19161

Ion Ratio Lower Upper

75 100

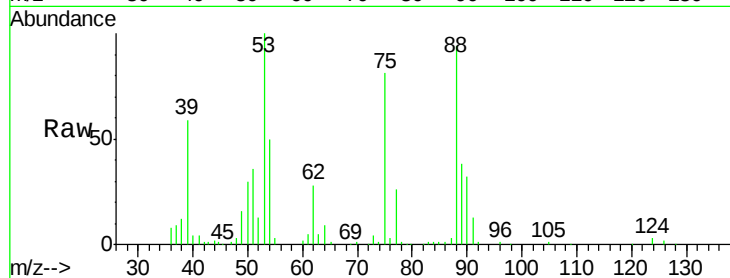
53 124.2 48.3 144.9

89 46.7 21.8 65.4

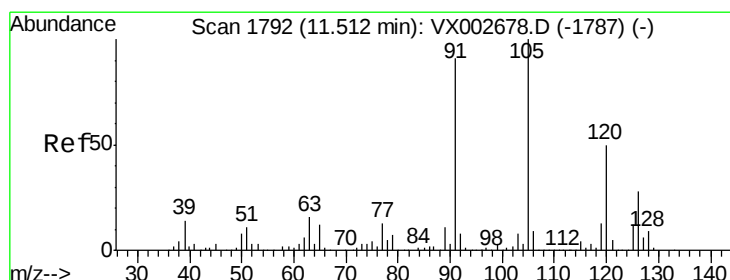
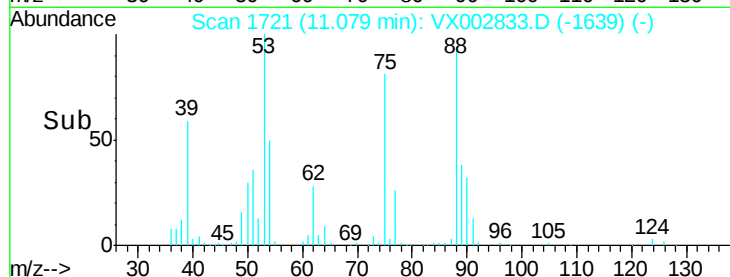
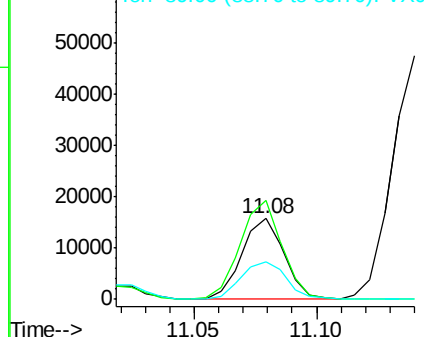
Manual Integrations
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Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 20.06 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002833.D

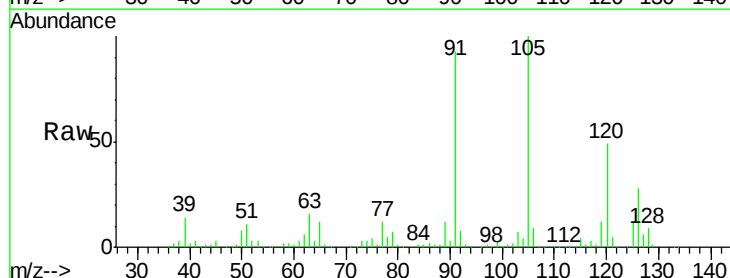
Acq: 22 Jun 2018 14:15

Tgt Ion: 91 Resp: 204470

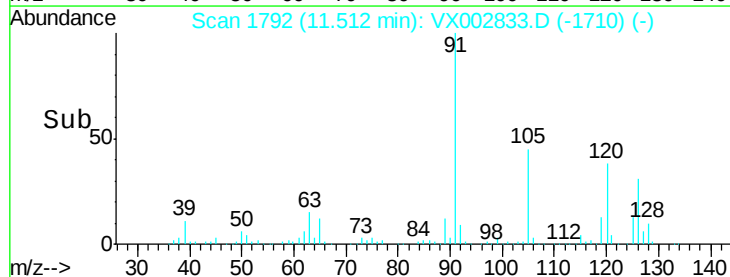
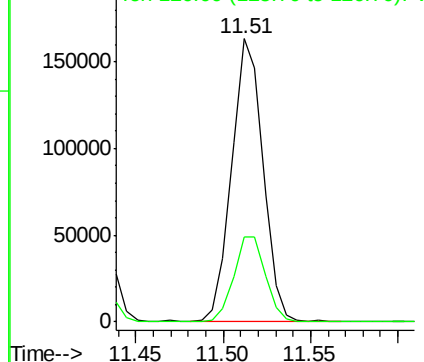
Ion Ratio Lower Upper

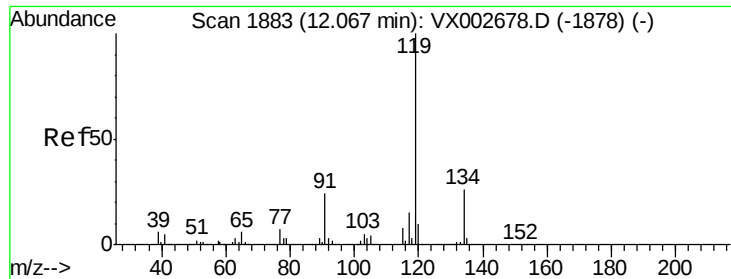
91 100

126 30.5 0.0 61.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 126.00 (125.70 to 126.70): V





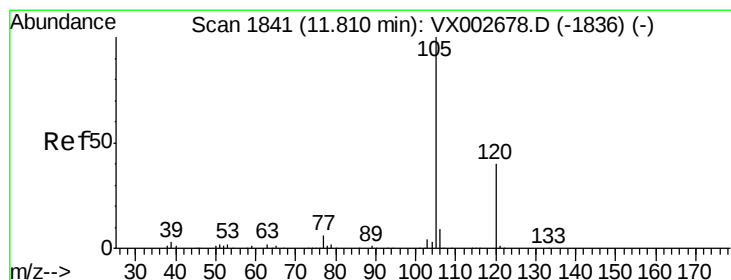
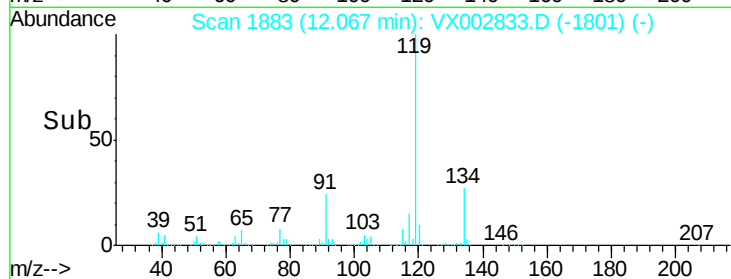
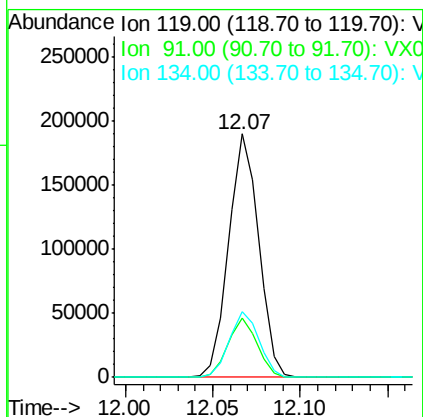
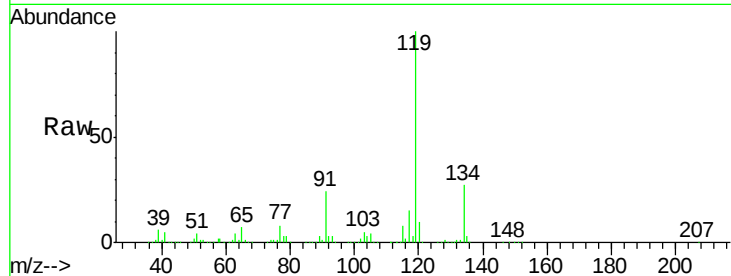
#79
tert-butylbenzene
Concen: 19.04 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :
VX0622WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	227094		
91	23.7		0.0	48.0
134	27.0		0.0	52.6

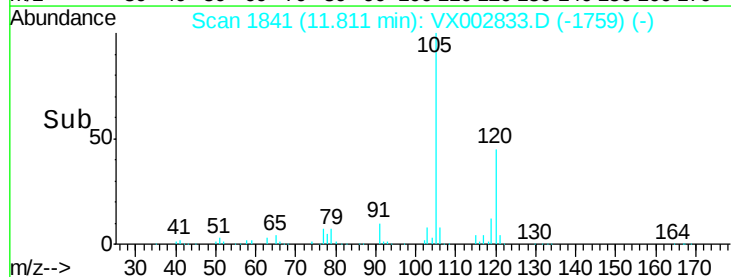
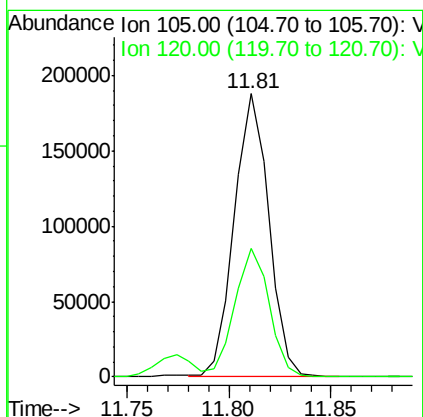
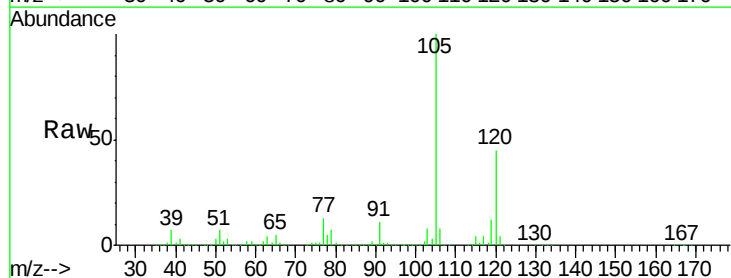
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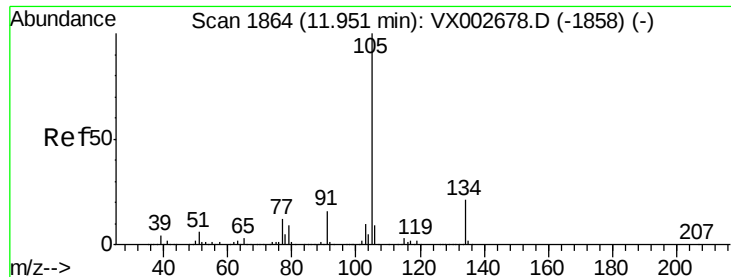
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#80
1,2,4-Trimethylbenzene
Concen: 20.03 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	221169		
120	45.3		0.0	89.2





#81

sec-Butylbenzene

Concen: 19.27 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

VX0622WBSD01

Tot Ion:105 Resp: 254875

Ion Ratio Lower Upper

105 100

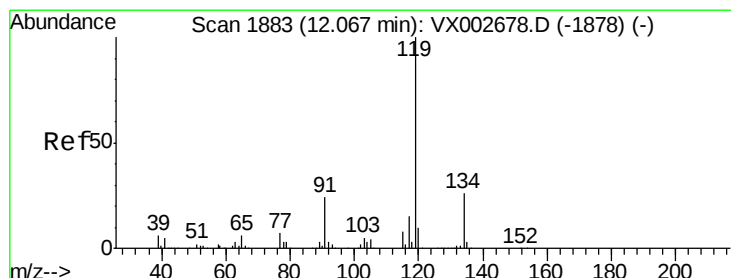
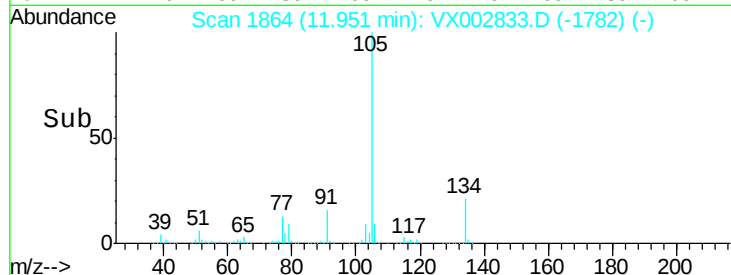
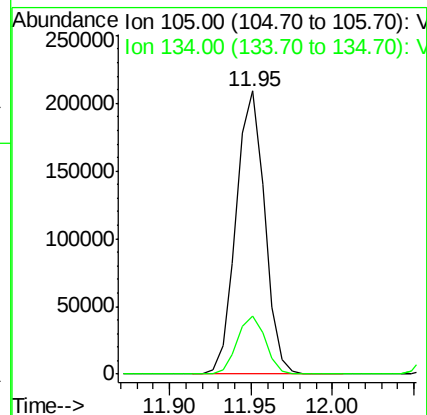
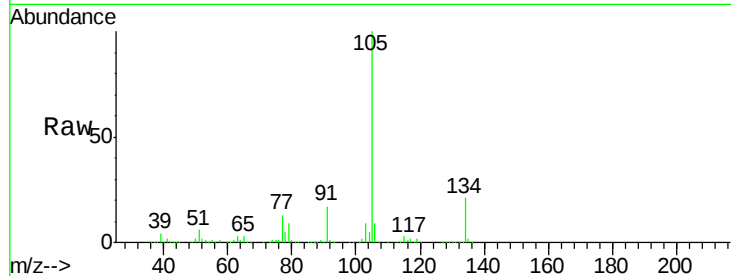
134 20.5 0.0 41.6

Manual Integrations

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#82

p-Isopropyltoluene

Concen: 19.04 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002833.D

Acq: 22 Jun 2018 14:15

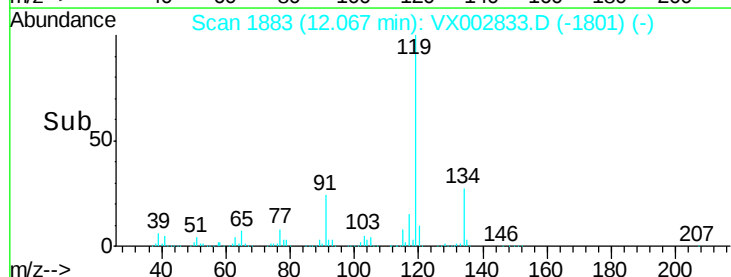
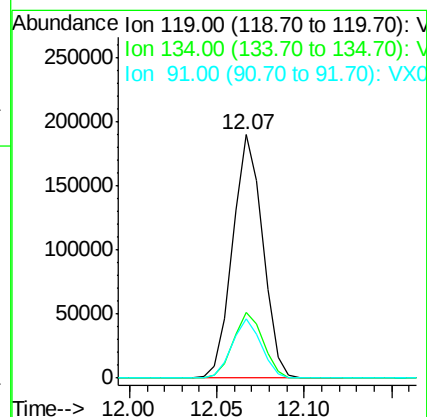
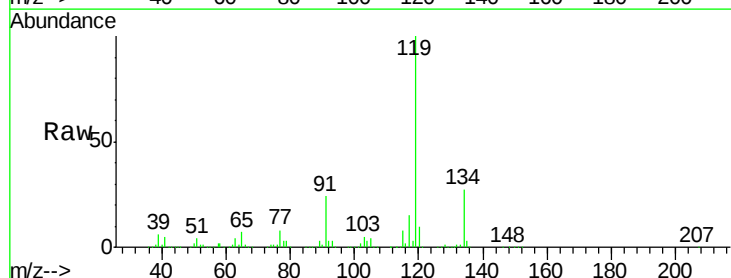
Tgt Ion:119 Resp: 227094

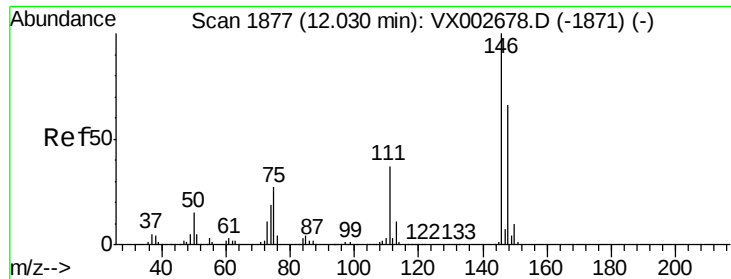
Ion Ratio Lower Upper

119 100

134 27.0 0.0 52.6

91 23.7 0.0 48.0





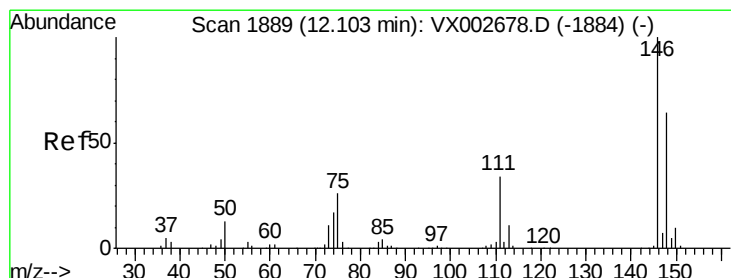
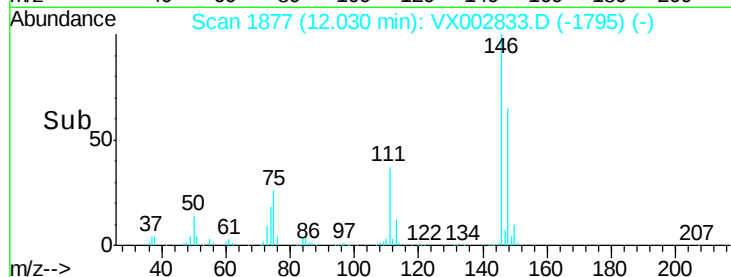
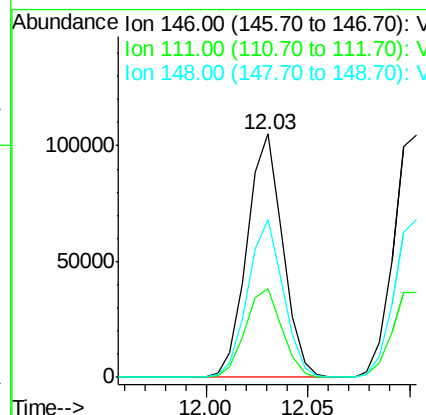
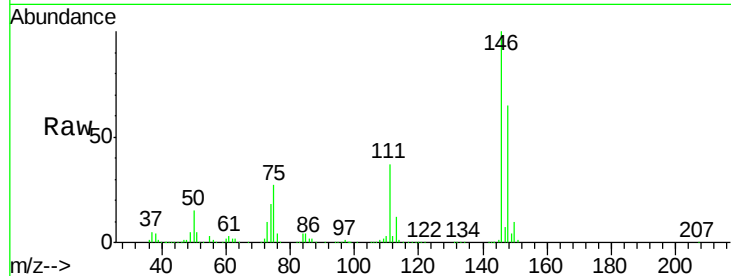
#83
 1,3-Dichlorobenzene
 Concen: 19.64 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0622WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.1	57.5
148	64.5	31.9	95.7

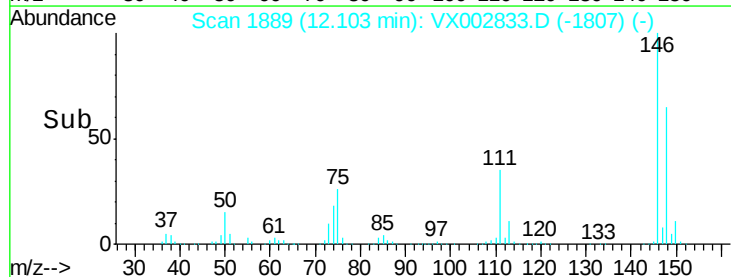
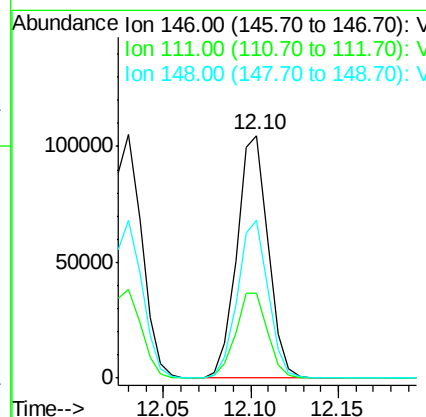
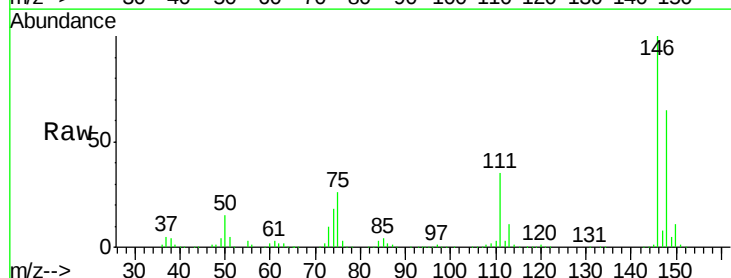
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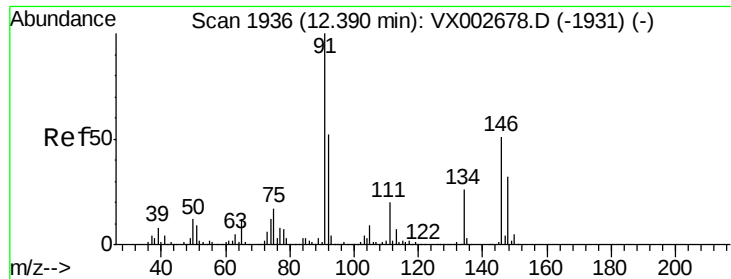
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#84
 1,4-Dichlorobenzene
 Concen: 19.77 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.5	55.5
148	64.0	32.0	96.0





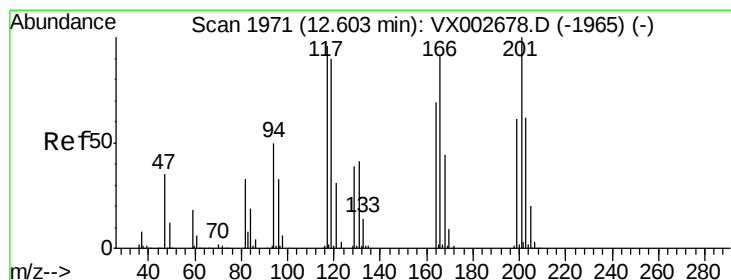
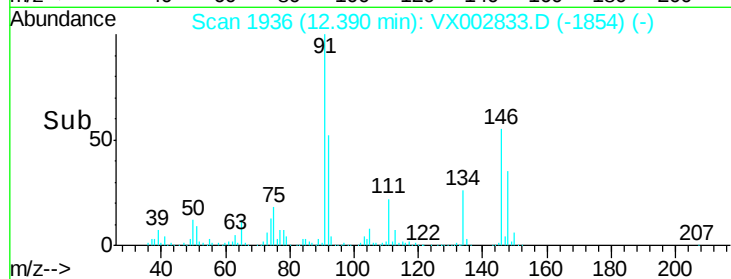
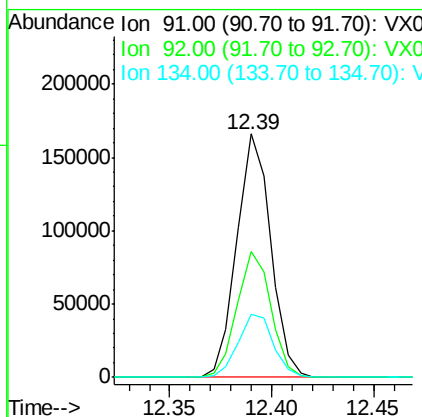
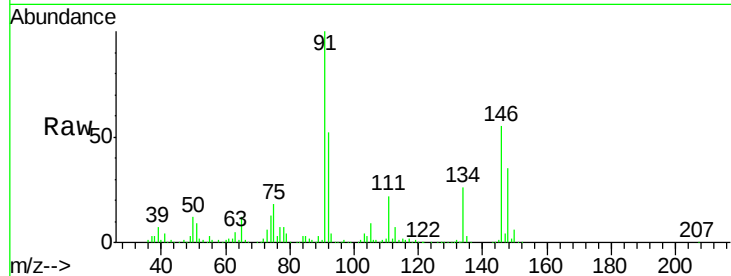
#85
n-Butylbenzene
Concen: 18.14 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :
VX0622WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	0.0	105.2
134	26.9	0.0	53.2

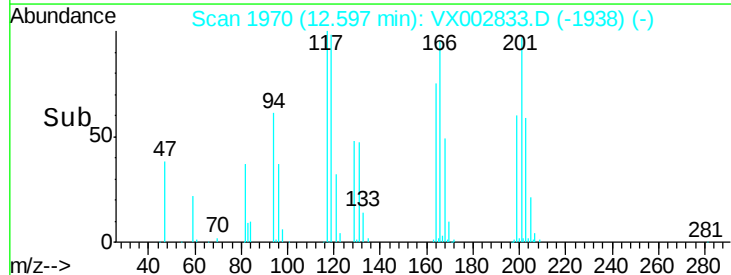
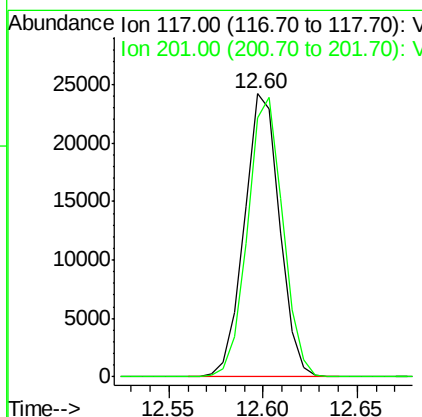
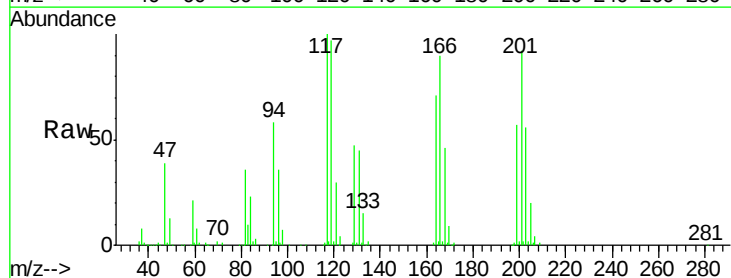
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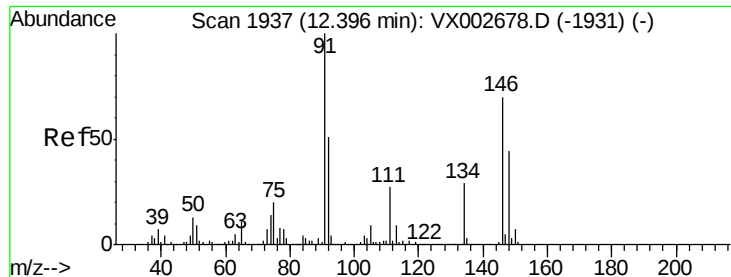
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#86
Hexachloroethane
Concen: 17.44 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.01 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.0	47.6	142.8





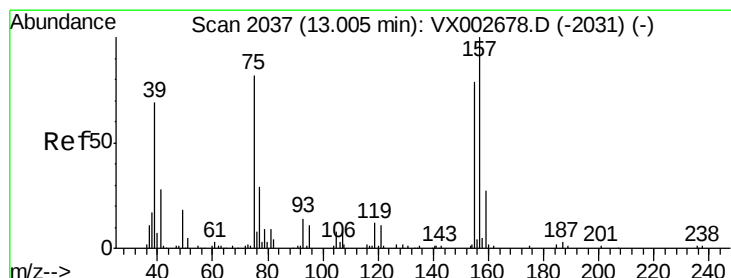
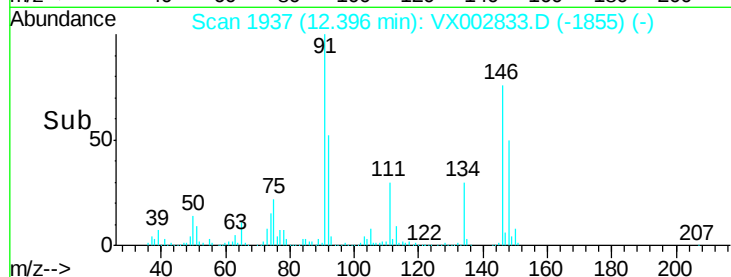
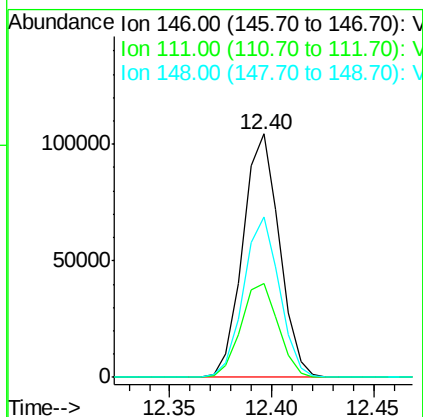
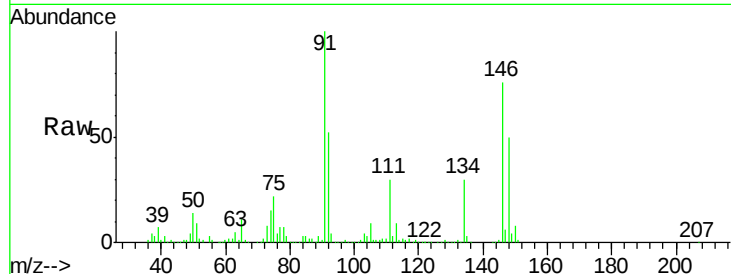
#87
 1,2-Dichlorobenzene
 Concen: 19.72 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0622WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	129780		
111	39.7	20.0	59.9	
148	65.0	32.8	98.3	

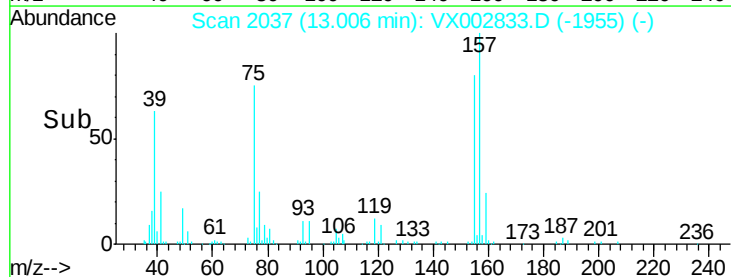
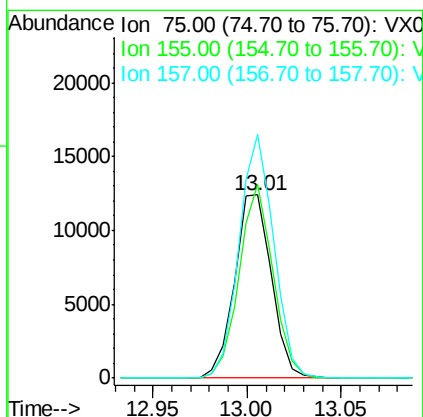
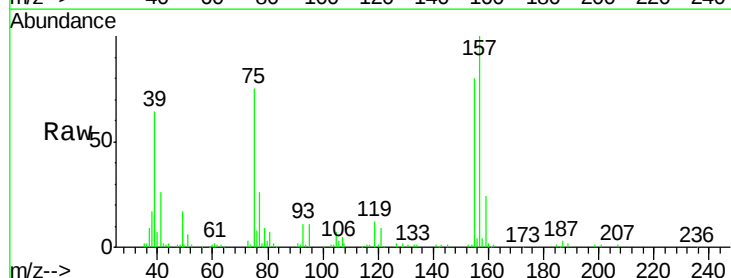
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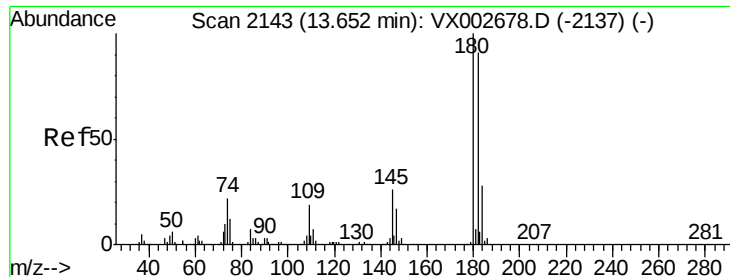
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.75 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16801		
155	96.6	73.1	109.7	
157	124.5	93.1	139.7	





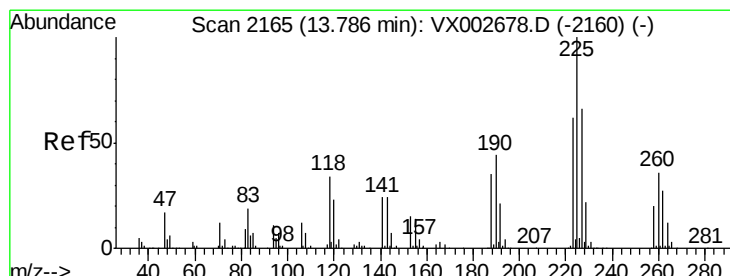
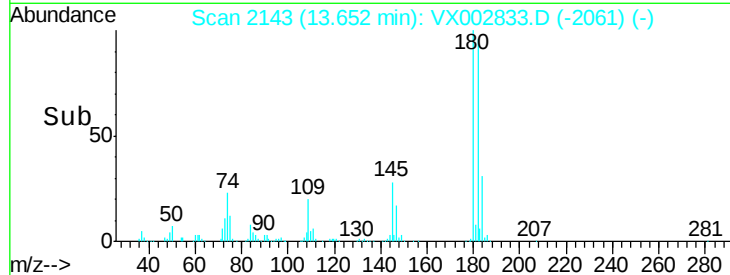
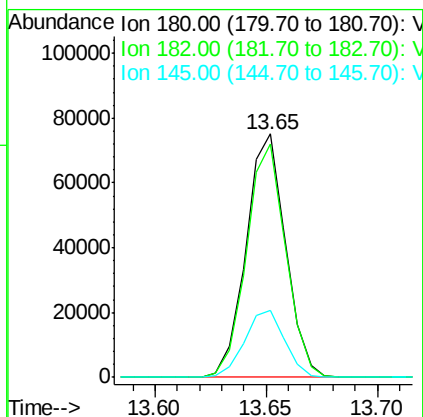
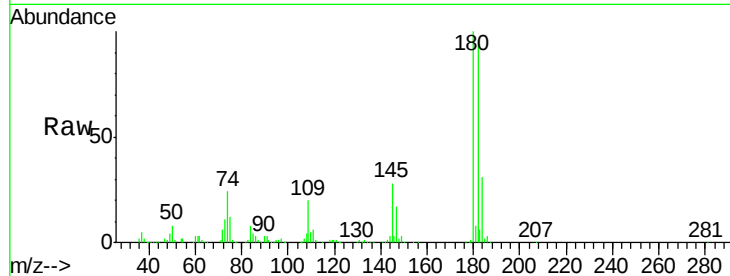
#89
 1,2,4-Trichlorobenzene
 Concen: 18.66 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0622WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.4	114.6
145	28.1	22.9	34.3

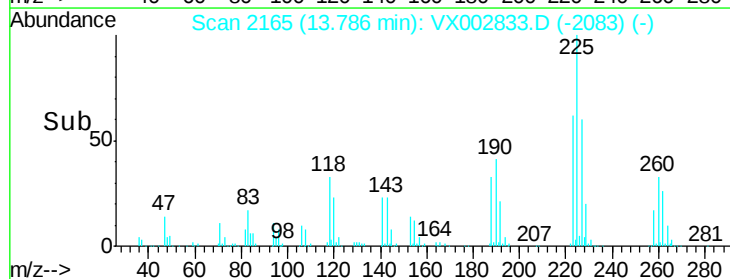
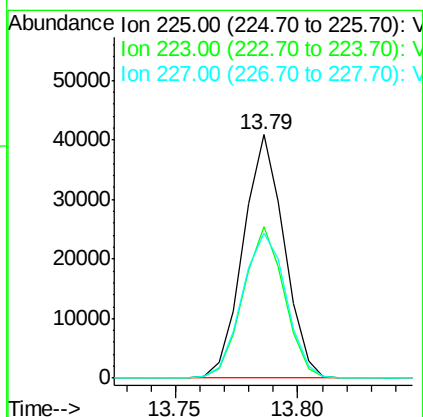
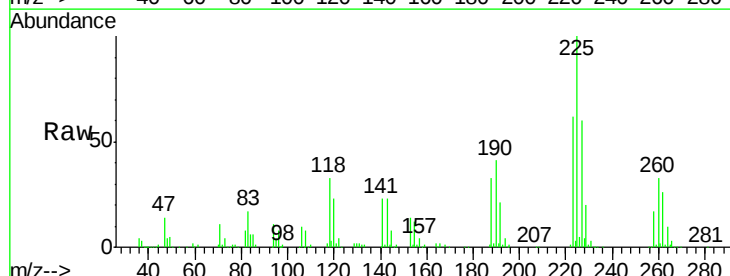
Manual Integrations
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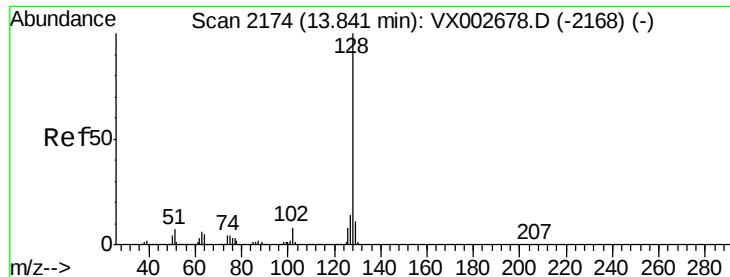
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#90
 Hexachlorobutadiene
 Concen: 18.37 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002833.D
 Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	0.0	122.4
227	64.3	0.0	128.0





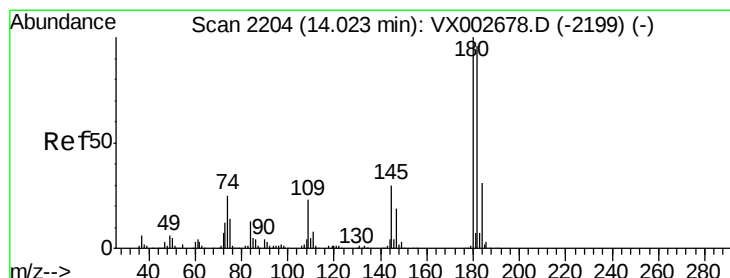
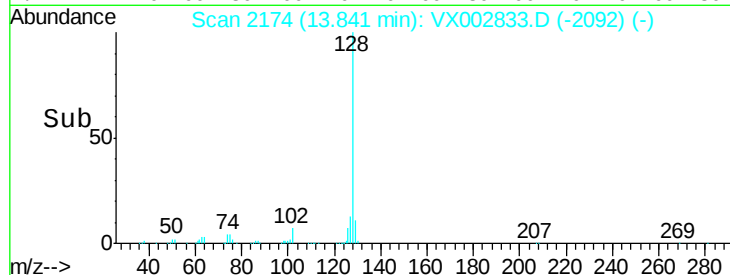
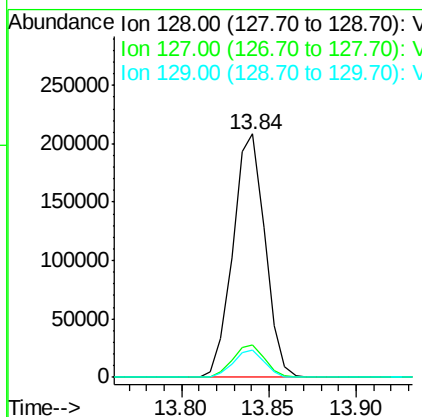
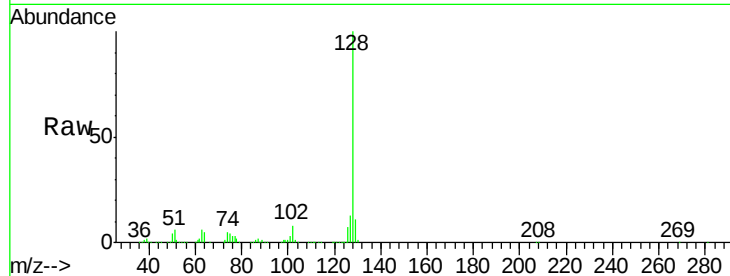
#91
Naphthalene
Concen: 20.17 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_X
ClientSampleId :
VX0622WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	265661		
127	13.4		10.3	15.5
129	11.0		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
6/25/2018 6:56:05 PM



#92
1,2,3-Trichlorobenzene
Concen: 19.59 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX002833.D
Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	96816		
182	95.3		0.0	191.0
145	29.1		0.0	60.6

