

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072018\
 Data File : VX003498.D
 Acq On : 20 Jul 2018 09:20
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 7/23/2018 12:34:32 PM

Quant Time: Jul 20 11:45:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 12 13:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	66516	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	6.86	114	325768	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	318284	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	136036	29.95	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.83%
60) 4-Bromofluorobenzene	11.14	95	153929	30.10	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.33%
63) Toluene-d8	8.71	98	420889	29.91	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.70%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	61040	12.09	ug/l	98
3) Chloromethane	1.32	50	75333	15.02	ug/l	98
4) Vinyl Chloride	1.40	62	84128	15.39	ug/l	97
5) Bromomethane	1.65	94	51252	22.61	ug/l	94
6) Chloroethane	1.73	64	53356	16.37	ug/l	100
7) Trichlorofluoromethane	1.93	101	114652	15.74	ug/l	95
8) Diethyl Ether	2.19	74	50930	17.10	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	76623	17.18	ug/l	96
10) 1,1-Dichloroethene	2.37	96	71339	17.24	ug/l #	78
11) Methyl Iodide	2.51	142	71944	19.99	ug/l	93
12) Methyl Acetate	2.78	43	99138	14.76	ug/l #	89
13) Acrolein	2.29	56	34156	65.44	ug/l	99
14) Acrylonitrile	3.15	53	208813	82.60	ug/l	99
15) Acetone	2.44	58	58174	87.78	ug/l	74
16) Carbon Disulfide	2.57	76	192033	16.25	ug/l	100
17) Allyl chloride	2.73	41	132592	16.85	ug/l	93
18) Methylene Chloride	2.86	84	82289	16.95	ug/l #	85
19) trans-1,2-Dichloroethene	3.17	96	76393	17.12	ug/l	99
20) Diisopropyl ether	3.87	45	251040	17.65	ug/l	97
21) 1,1-Dichloroethane	3.70	63	139215	16.69	ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	83563	17.62	ug/l	82
23) tert-Butyl Alcohol	3.05	59	83653	79.70	ug/l #	100
24) Methyl tert-Butyl Ether	3.20	73	240547m	17.41	ug/l	
25) Chloroform	5.21	83	134834	17.95	ug/l	99
26) Cyclohexane	5.58	56	114799	17.63	ug/l #	93
29) 1,1-Dichloropropene	5.80	75	98817	19.24	ug/l	97
30) 2-Butanone	4.70	43	263729	91.89	ug/l	94
31) 2,2-Dichloropropane	4.59	77	108551	19.57	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	115125	19.80	ug/l #	88
33) Carbon Tetrachloride	5.78	117	96979	19.00	ug/l	96
34) Benzene	6.14	78	298933	19.76	ug/l	95
35) Methacrylonitrile	5.06	41	55749	18.36	ug/l	93
36) 1,2-Dichloroethane	6.20	62	101829	19.36	ug/l #	95
37) Trichloroethene	7.21	130	81735	19.54	ug/l	93
38) Methylcyclohexane	7.46	83	109111	18.79	ug/l	96
39) 1,2-Dichloropropane	7.52	63	72198	18.47	ug/l	95
40) Dibromomethane	7.67	93	47464	18.49	ug/l	96

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Manual Integrations
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 7/23/2018 12:34:32 PM

Quant Time: Jul 20 11:45:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 12 13:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	86165	17.97	ug/l	98
42) Vinyl Acetate	3.82	43	1022769	92.76	ug/l	97
43) Ethyl Acetate	4.85	43	99609	18.27	ug/l	97
44) Isopropyl Acetate	6.46	43	148256	17.74	ug/l	95
45) 1,4-Dioxane	7.75	88	30758	344.87	ug/l #	84
46) Methyl methacrylate	7.77	41	72739	16.83	ug/l	86
47) n-amyl Acetate	10.90	43	108592	15.09	ug/l #	88
48) t-1,3-Dichloropropene	8.43	75	107049	18.34	ug/l	96
49) cis-1,3-Dichloropropene	9.04	75	96897	18.33	ug/l	90
50) 1,1,2-Trichloroethane	9.21	97	73583	19.01	ug/l	97
51) Ethyl methacrylate	9.18	69	98824	17.52	ug/l	84
52) 1,3-Dichloropropane	9.37	76	119109	18.73	ug/l	98
53) Dibromochloromethane	9.59	129	70434	18.21	ug/l	100
54) 1,2-Dibromoethane	9.67	107	74667	18.60	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	253204	95.13	ug/l	98
56) Bromoform	10.86	173	54308	18.36	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	467139	82.39	ug/l	93
59) 2-Hexanone	9.49	43	350743	80.77	ug/l	92
61) Tetrachloroethene	9.34	164	97337	19.98	ug/l	99
62) Toluene	8.79	91	311834	17.96	ug/l	99
64) Chlorobenzene	10.14	112	207849	18.08	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	72582	17.80	ug/l	99
66) Ethyl Benzene	10.26	91	340226	17.73	ug/l	99
67) m/p-Xylenes	10.36	106	266339	35.67	ug/l	97
68) o-Xylene	10.70	106	127408	17.73	ug/l	95
69) Styrene	10.71	104	212839	17.82	ug/l	96
70) Isopropylbenzene	11.02	105	342438	17.98	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	99465	16.65	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	89124m	12.75	ug/l	
73) Bromobenzene	11.26	156	95454	18.03	ug/l	93
74) n-propylbenzene	11.36	91	396222	17.86	ug/l	98
75) 2-Chlorotoluene	11.42	91	234677	17.68	ug/l	97
76) 1,3,5-Trimethylbenzene	11.51	105	287643	17.84	ug/l	97
77) t-1,4-Dichloro-2-butene	11.07	75	26573	15.92	ug/l	98
78) 4-Chlorotoluene	11.51	91	270181	17.43	ug/l	97
79) tert-butylbenzene	12.07	119	303328	17.77	ug/l	97
80) 1,2,4-Trimethylbenzene	11.81	105	291262	17.78	ug/l	97
81) sec-Butylbenzene	11.95	105	339045	17.78	ug/l	100
82) p-Isopropyltoluene	12.07	119	303328	17.77	ug/l	97
83) 1,3-Dichlorobenzene	12.03	146	174909	17.83	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	176806	17.86	ug/l	99
85) n-Butylbenzene	12.39	91	258096	17.22	ug/l	99
86) Hexachloroethane	12.60	117	40566	16.14	ug/l	94
87) 1,2-Dichlorobenzene	12.40	146	174022	17.74	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	18337	14.77	ug/l	89
89) 1,2,4-Trichlorobenzene	13.65	180	121281	17.22	ug/l	100
90) Hexachlorobutadiene	13.79	225	60230	17.46	ug/l	98
91) Naphthalene	13.83	128	329710	16.24	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	122282	17.13	ug/l	99

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Instrument :
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ClientSampleId :
VSTDCCC020

Manual Integrations
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Quant Time: Jul 20 11:45:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071218W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 12 13:28:20 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

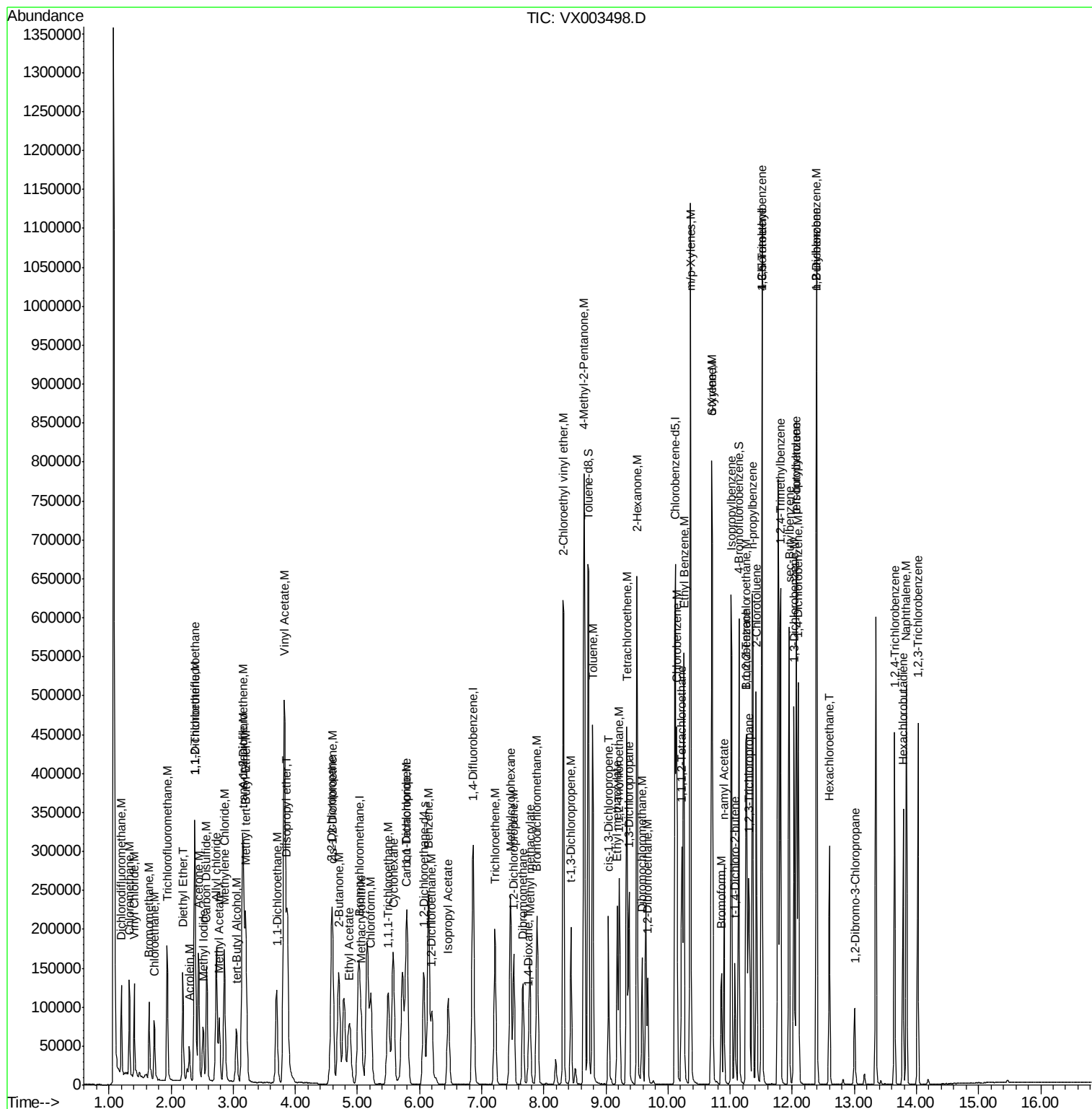
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072018\
Data File : VX003498.D
Acq On : 20 Jul 2018 09:20
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

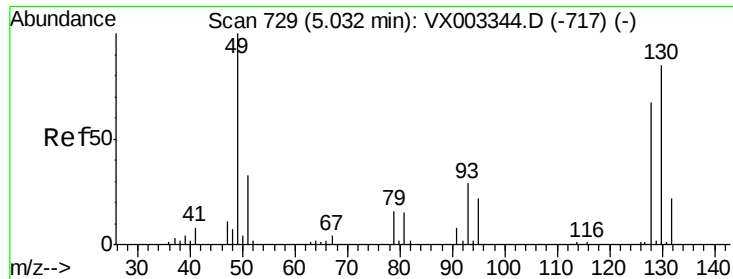
Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC020

Manual Integrations
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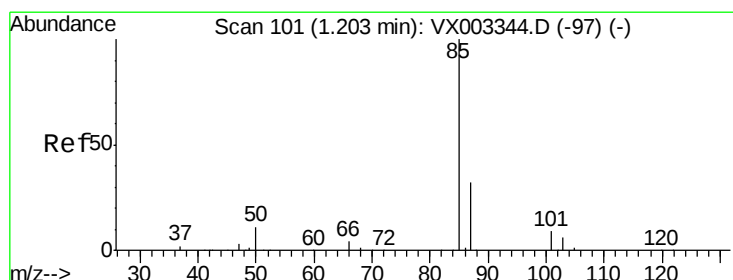
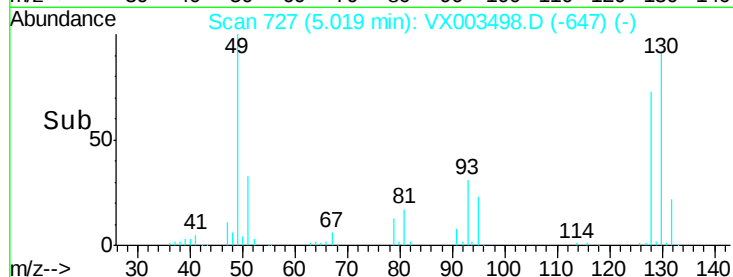
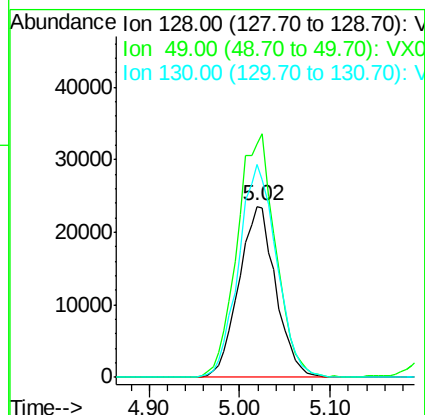
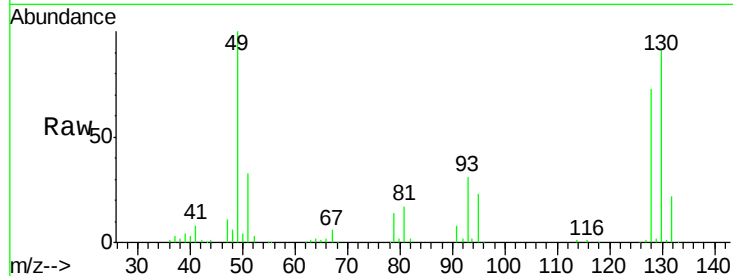
#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	148.9	0.0	423.0
130	128.6	0.0	324.3

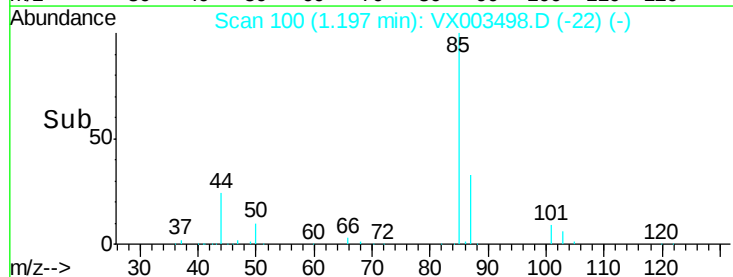
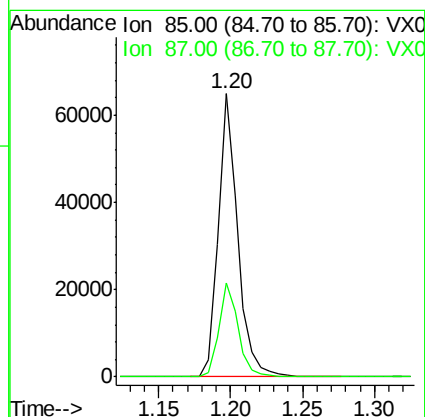
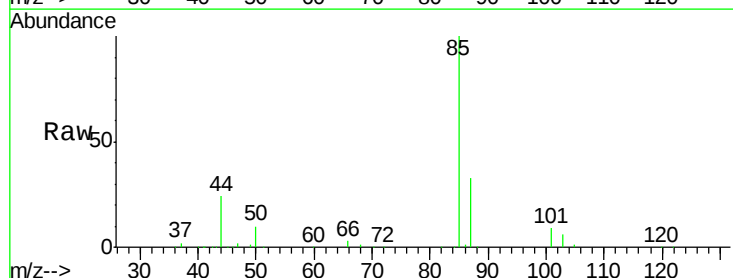
Manual Integrations
APPROVED

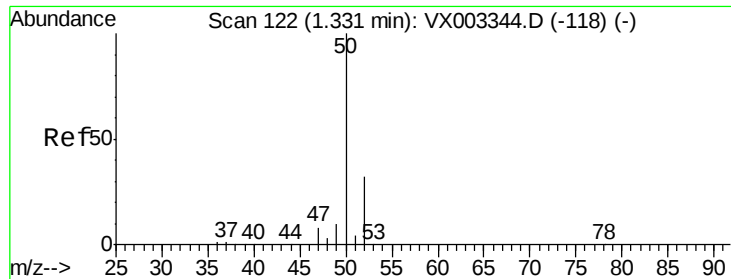
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#2
Dichlorodifluoromethane
Concen: 12.09 ug/l
RT: 1.20 min Scan# 100
Delta R.T. -0.01 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.2	48.5





#3

Chloromethane

Concen: 15.02 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 75333

Ion Ratio Lower Upper

50 100

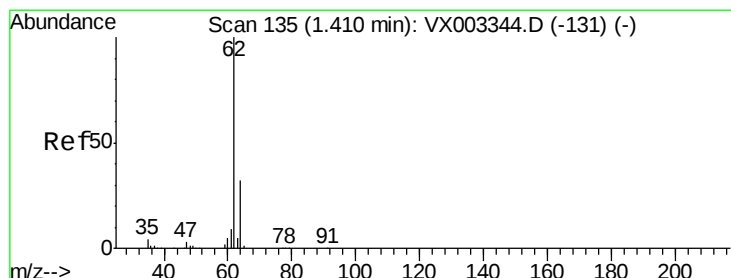
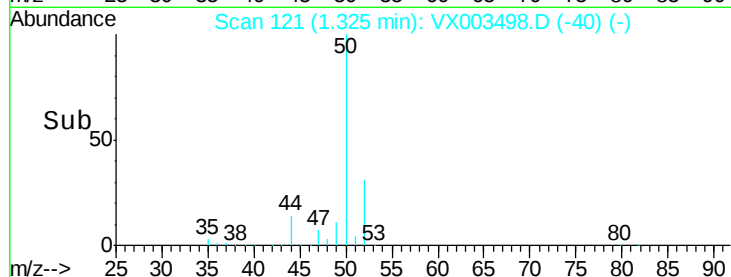
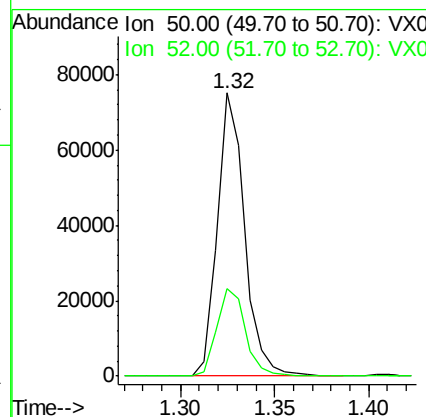
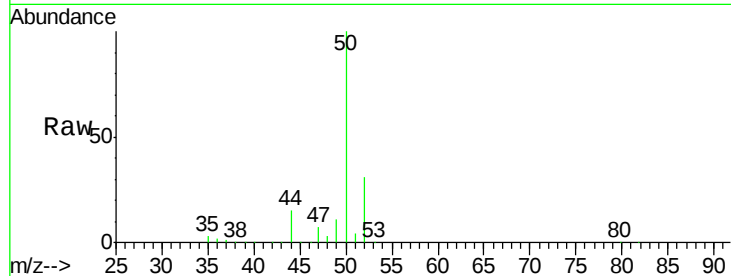
52 31.0 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 15.39 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX003498.D

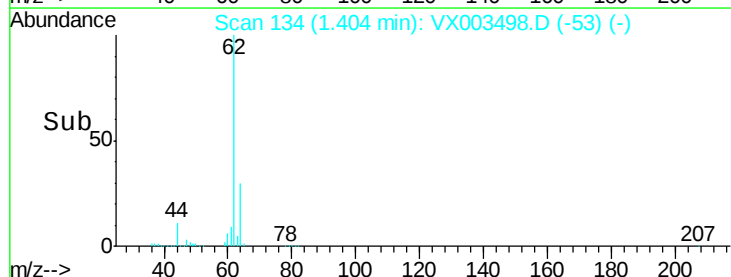
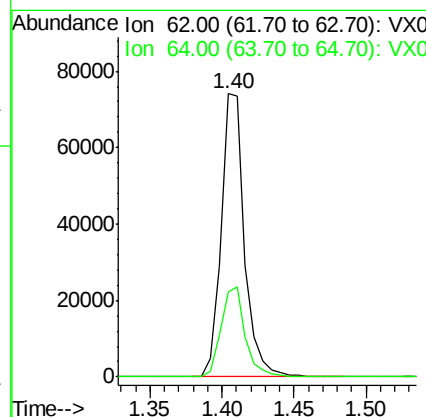
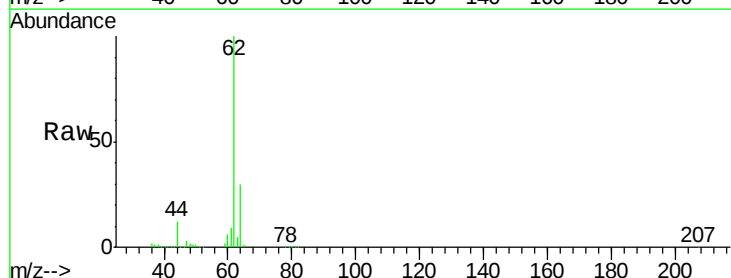
Acq: 20 Jul 2018 09:20

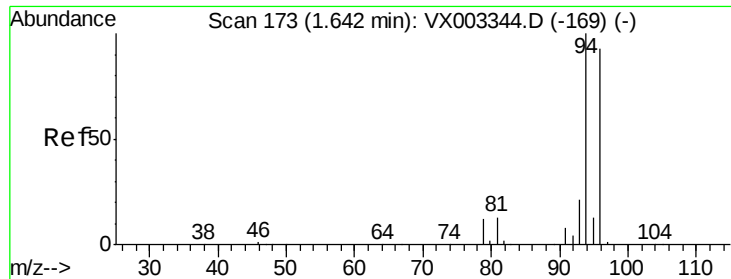
Tgt Ion: 62 Resp: 84128

Ion Ratio Lower Upper

62 100

64 29.9 25.3 37.9





#5

Bromomethane

Concen: 22.61 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 94 Resp: 51252

Ion Ratio Lower Upper

94 100

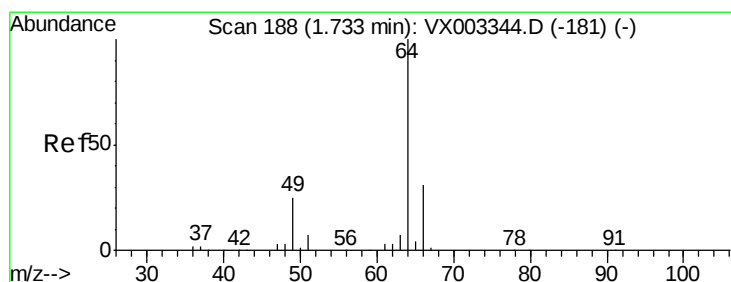
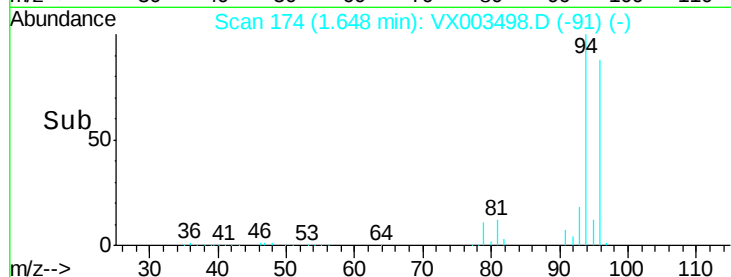
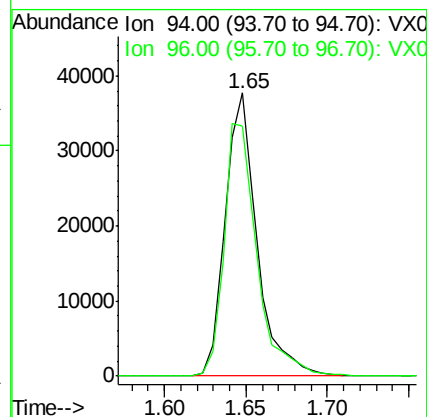
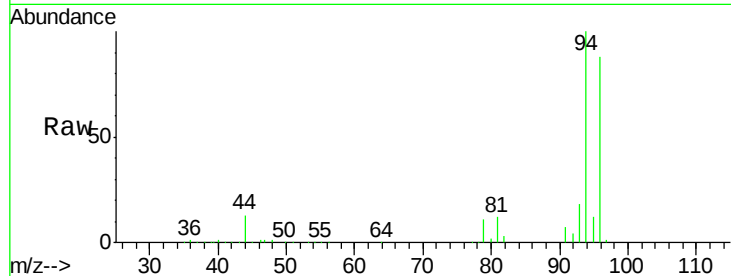
96 88.6 75.7 113.5

Manual Integrations

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#6

Chloroethane

Concen: 16.37 ug/l

RT: 1.73 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX003498.D

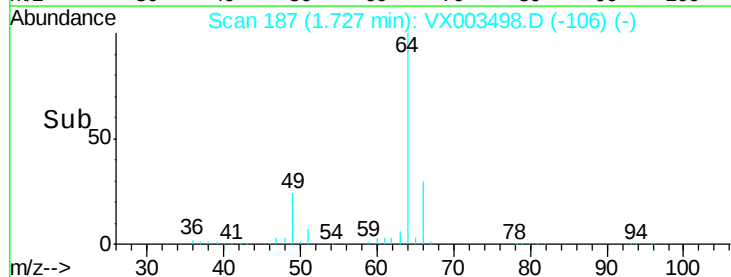
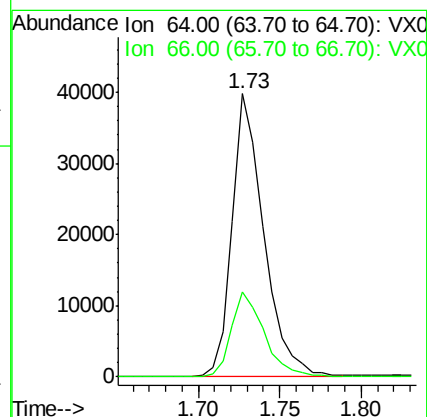
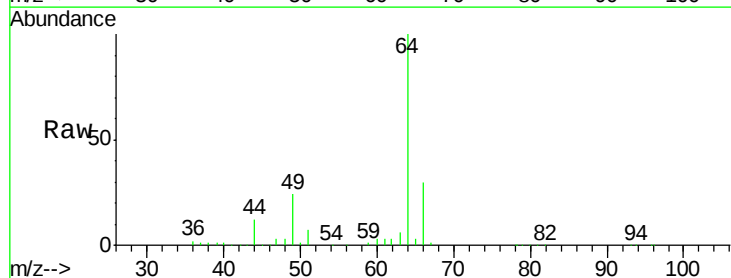
Acq: 20 Jul 2018 09:20

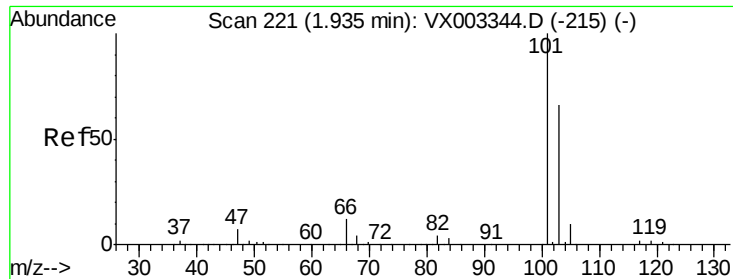
Tgt Ion: 64 Resp: 53356

Ion Ratio Lower Upper

64 100

66 30.1 24.3 36.5





#7

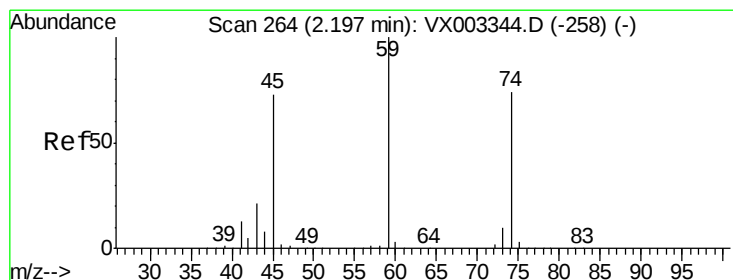
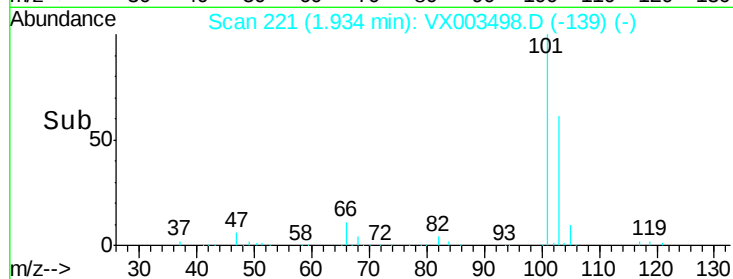
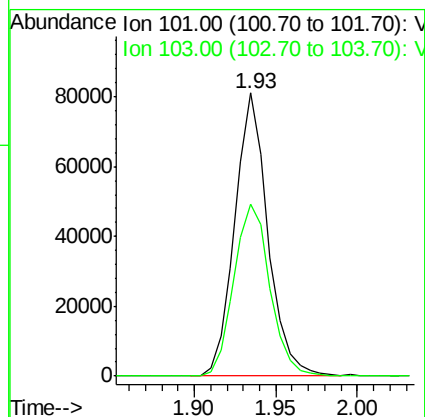
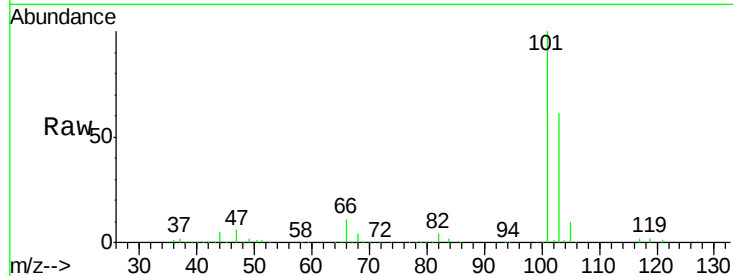
Trichlorofluoromethane
 Concen: 15.74 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VX003498.D
 Acq: 20 Jul 2018 09:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.6	51.5	77.3

Manual Integrations
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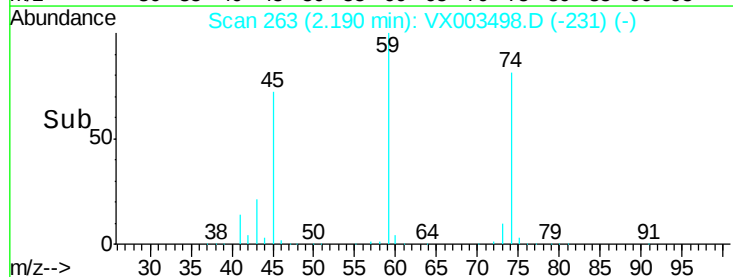
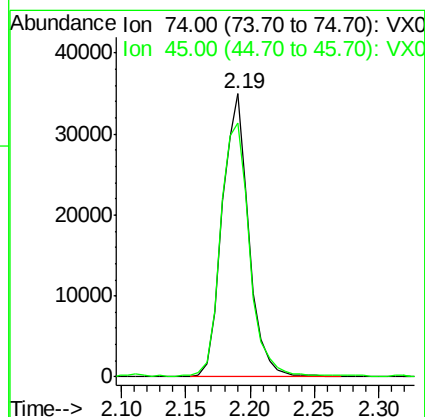
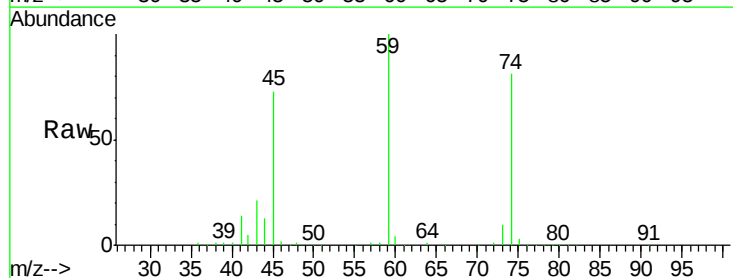
MMDadoda
 7/23/2018 12:34:32 PM

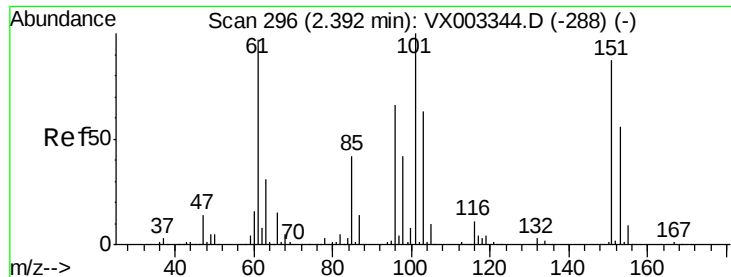


#8

Diethyl Ether
 Concen: 17.10 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.01 min
 Lab File: VX003498.D
 Acq: 20 Jul 2018 09:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.3	20.5	184.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.18 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

Instrument :

MSVOA_X

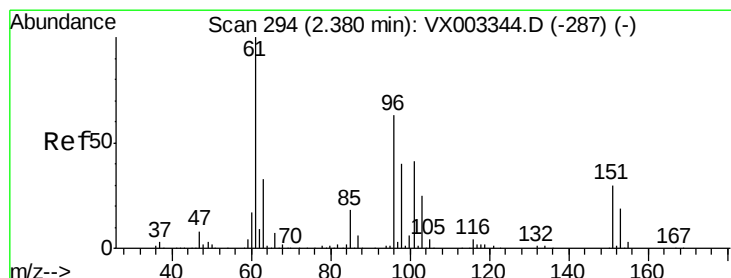
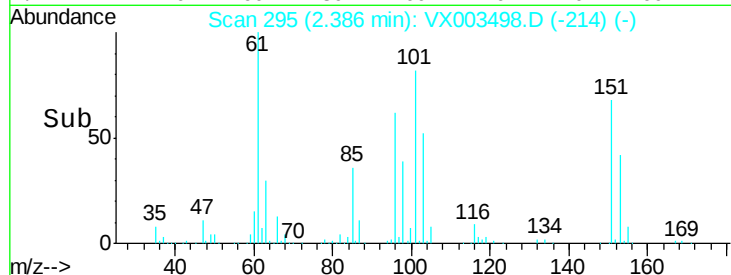
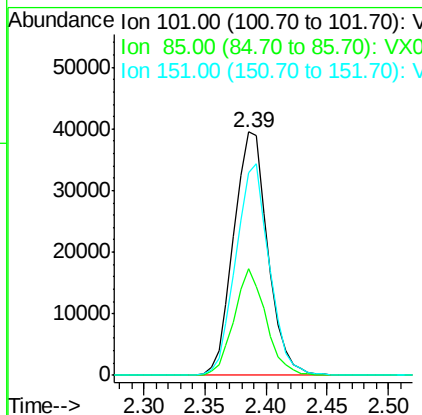
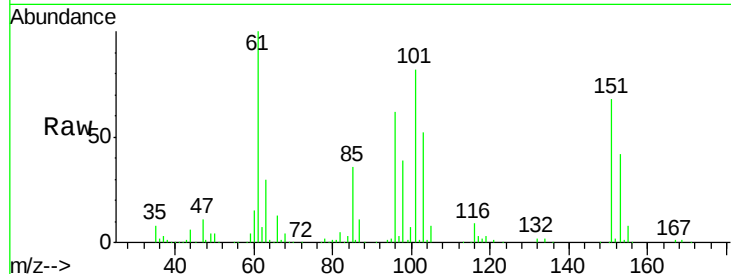
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	76623
Ion Ratio	Lower	Upper	
101	100		
85	40.6	0.0	87.0
151	85.2	0.0	177.6

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#10

1,1-Dichloroethene

Concen: 17.24 ug/l

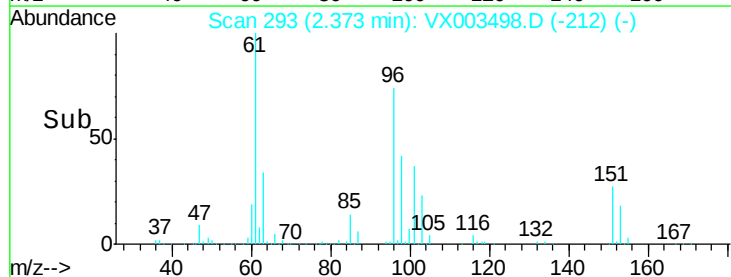
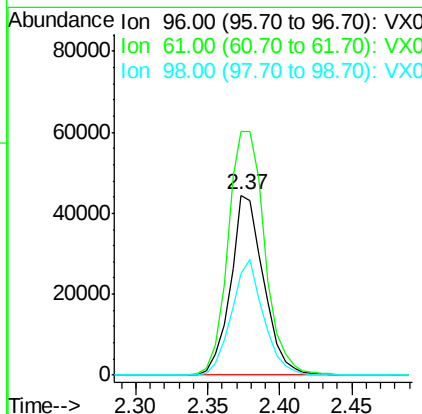
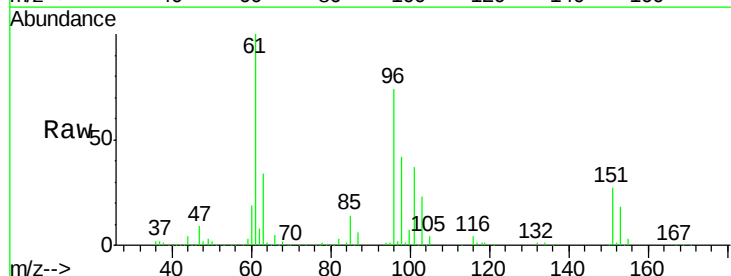
RT: 2.37 min Scan# 293

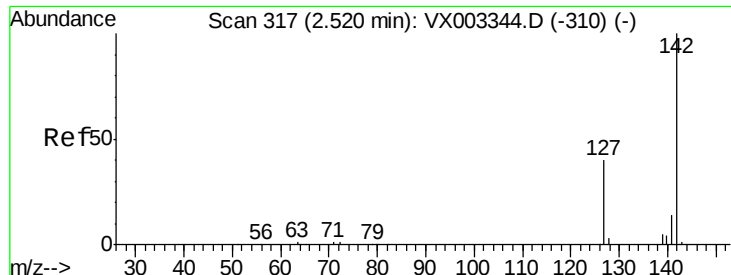
Delta R.T. -0.01 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

Tgt Ion:	96	Resp:	71339
Ion Ratio	Lower	Upper	
96	100		
61	134.9	137.5	206.3#
98	56.3	51.4	77.2





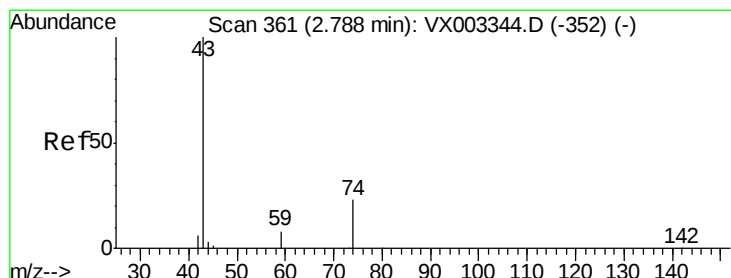
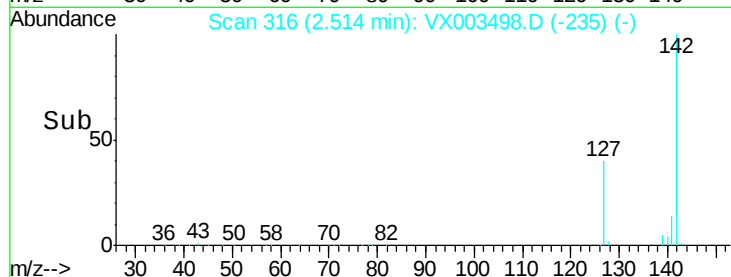
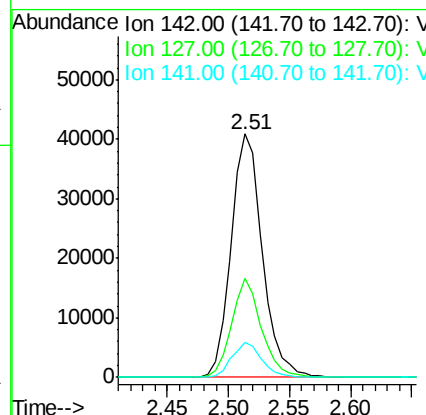
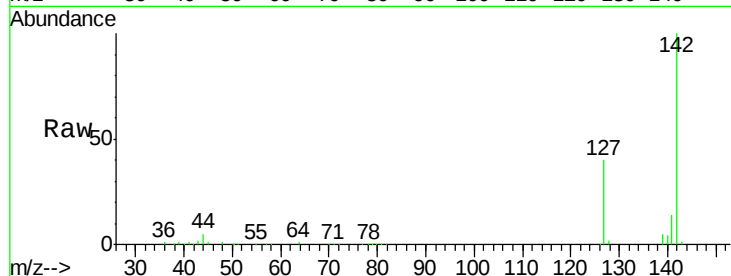
#11
Methyl Iodide
Concen: 19.99 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.5	23.2	69.6
141	14.3	7.4	22.2

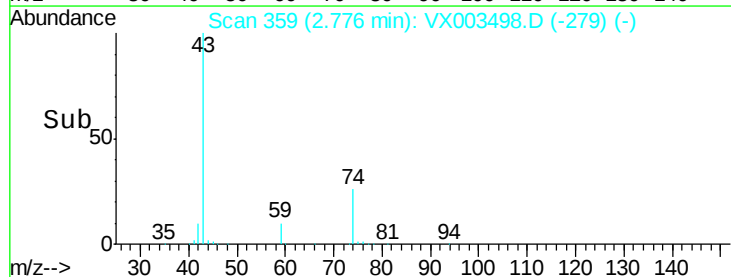
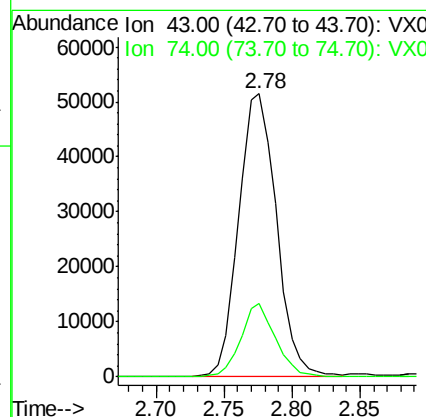
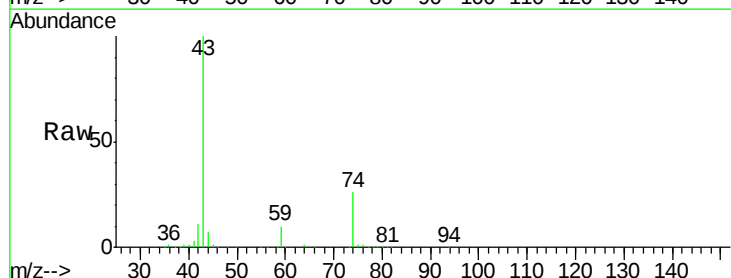
Manual Integrations
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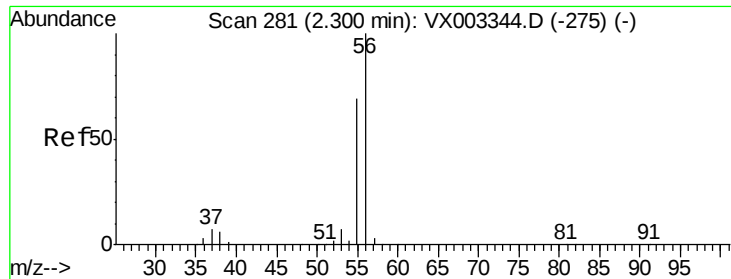
MMDadoda
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#12
Methyl Acetate
Concen: 14.76 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.7	16.4	24.6#





#13

Acrolein

Concen: 65.44 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 34156

Ion Ratio Lower Upper

56 100

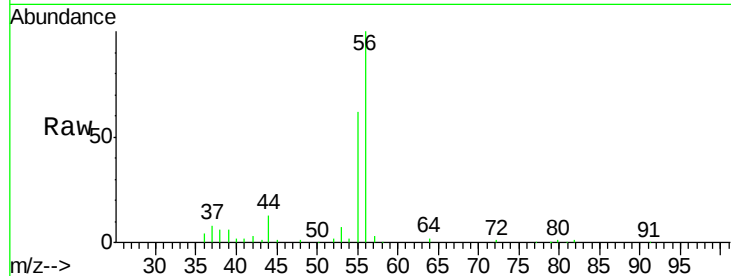
55 71.1 57.3 85.9

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

20000

15000

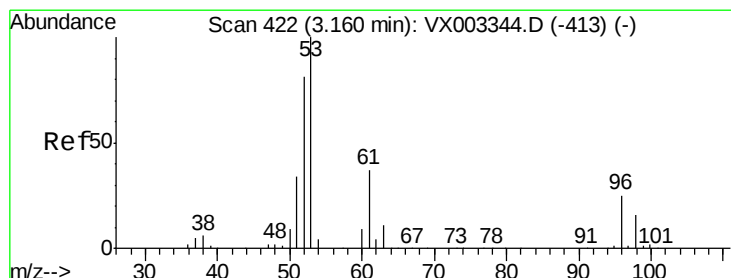
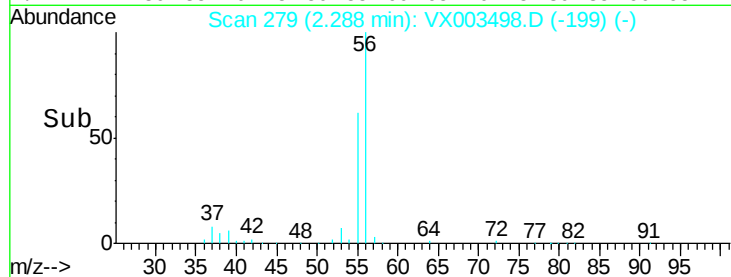
10000

5000

0

Time-->

2.20 2.25 2.30 2.35



#14

Acrylonitrile

Concen: 82.60 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

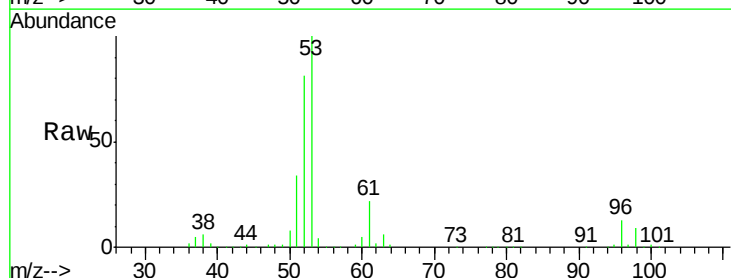
Tgt Ion: 53 Resp: 208813

Ion Ratio Lower Upper

53 100

52 82.1 41.5 124.6

51 35.1 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

3.15

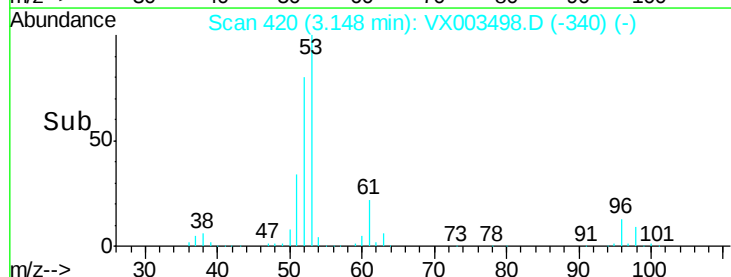
100000

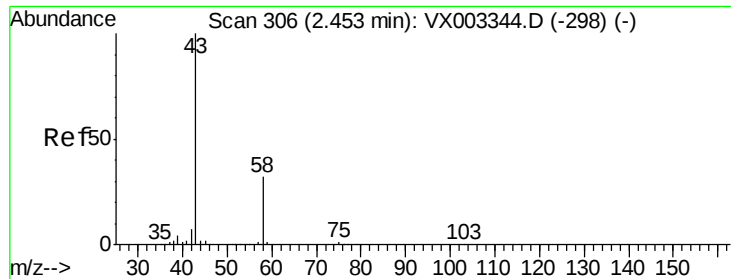
50000

0

Time-->

3.10 3.20 3.30





#15

Acetone

Concen: 87.78 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 58174

Ion Ratio Lower Upper

58 100

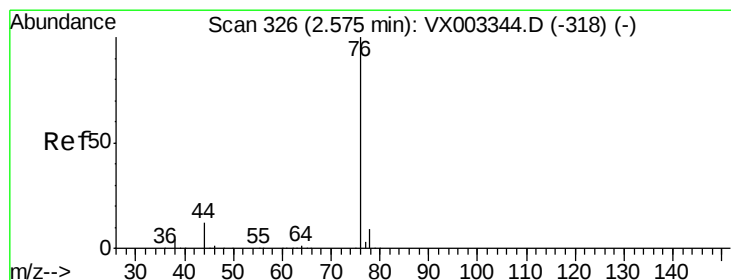
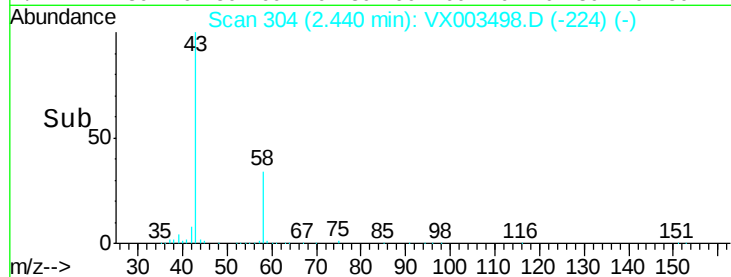
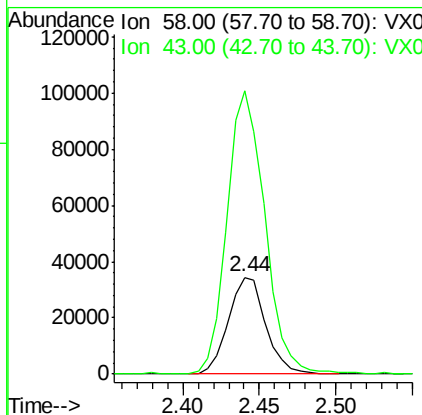
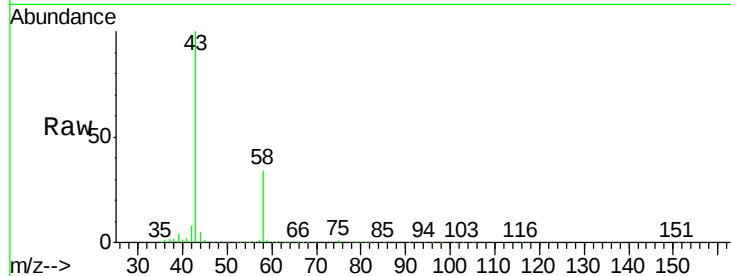
43 291.6 278.8 418.2

Manual Integrations

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#16

Carbon Disulfide

Concen: 16.25 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX003498.D

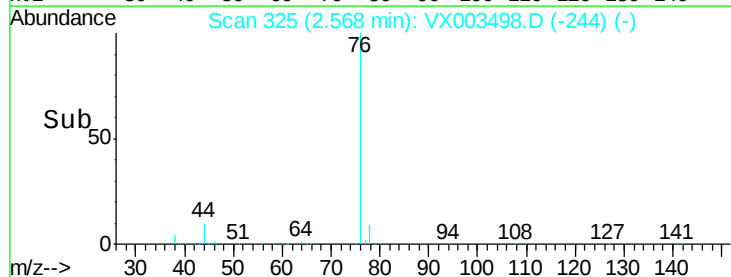
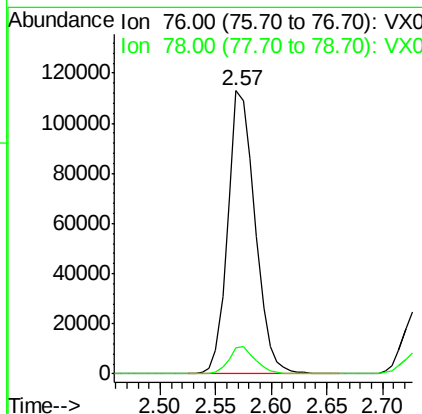
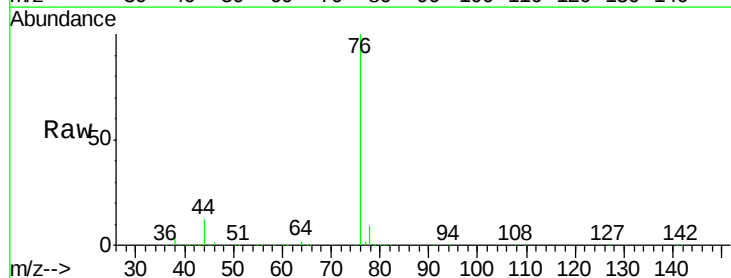
Acq: 20 Jul 2018 09:20

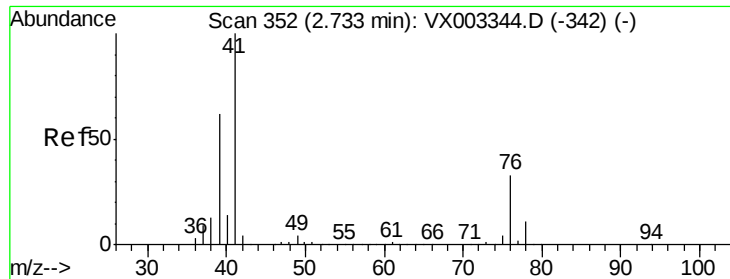
Tgt Ion: 76 Resp: 192033

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





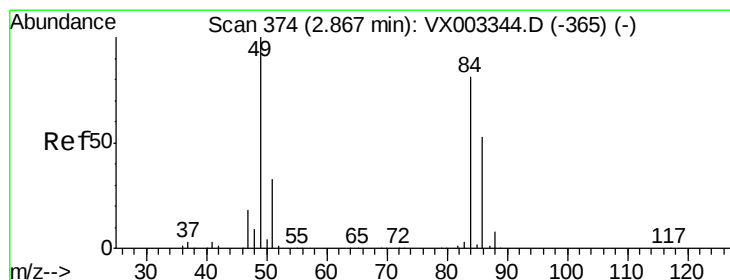
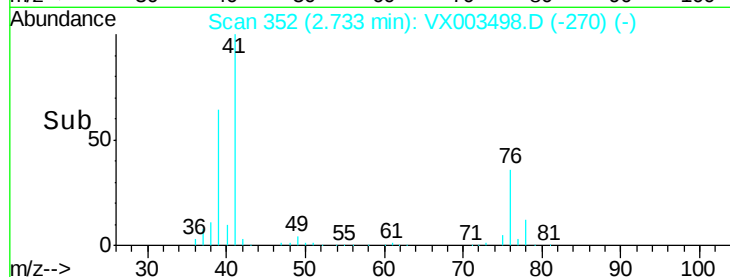
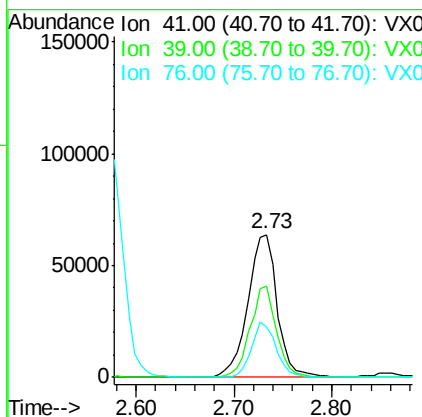
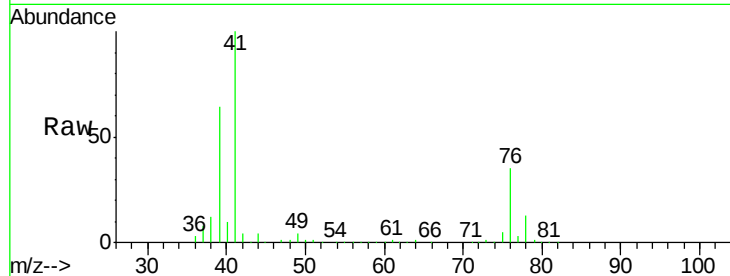
#17
Allvl chloride
Concen: 16.85 ug/l
RT: 2.73 min Scan# 352
Delta R.T. -0.00 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
41	100	132592		
39	64.1		34.6	103.8
76	35.4		15.0	45.1

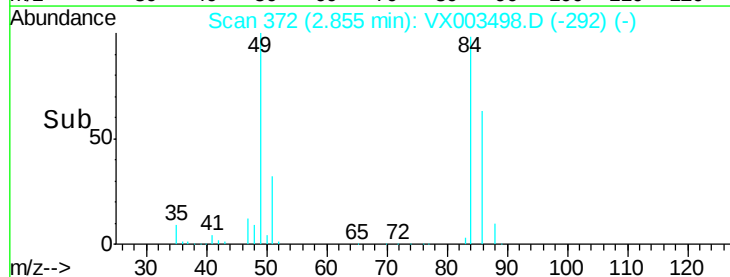
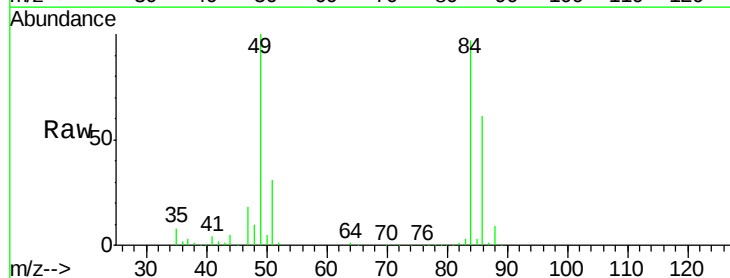
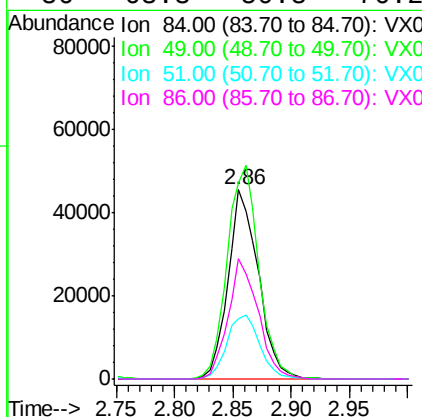
Manual Integrations
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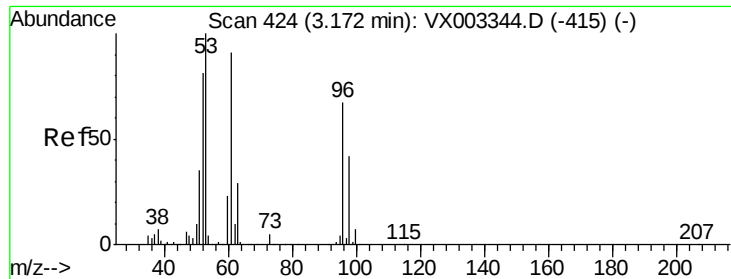
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#18
Methylene Chloride
Concen: 16.95 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	82289		
49	103.3		104.7	157.1#
51	31.8		31.0	46.4
86	63.3		50.8	76.2





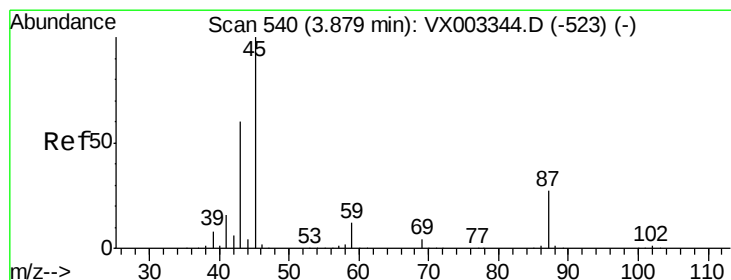
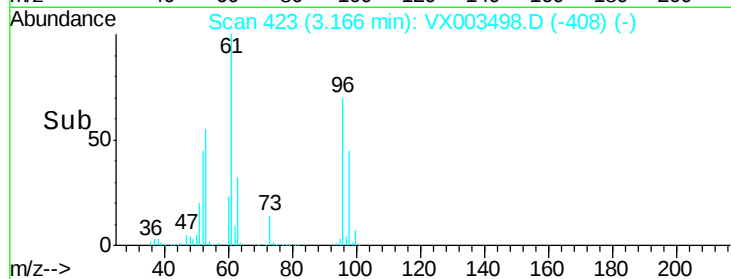
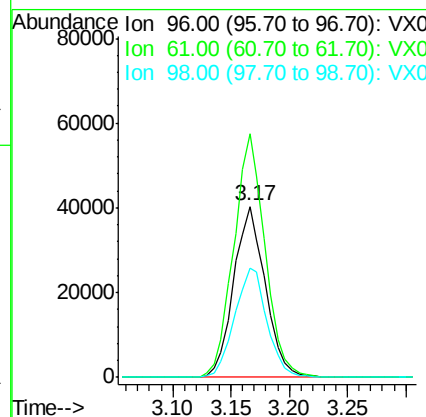
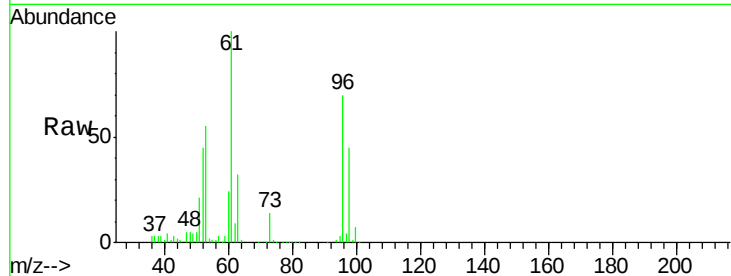
#19
trans-1,2-Dichloroethene
Concen: 17.12 ug/l
RT: 3.17 min Scan# 423
Delta R.T. -0.01 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.1	114.6	172.0
98	64.1	51.3	76.9

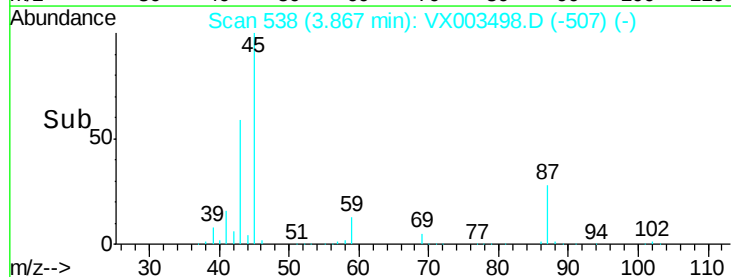
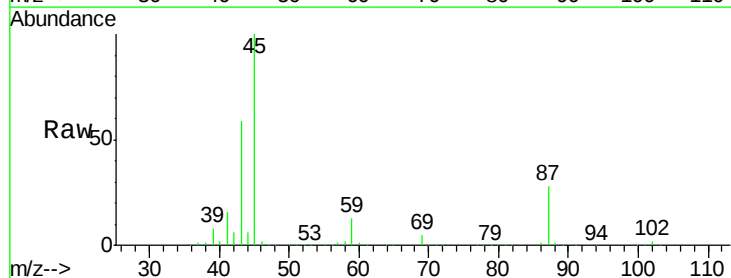
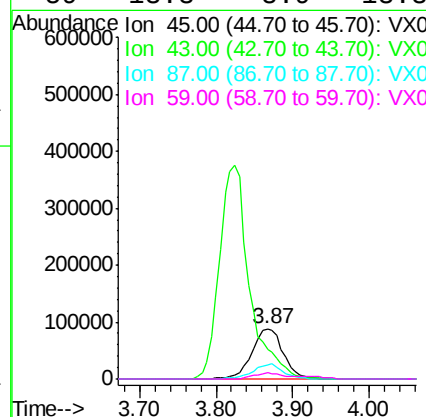
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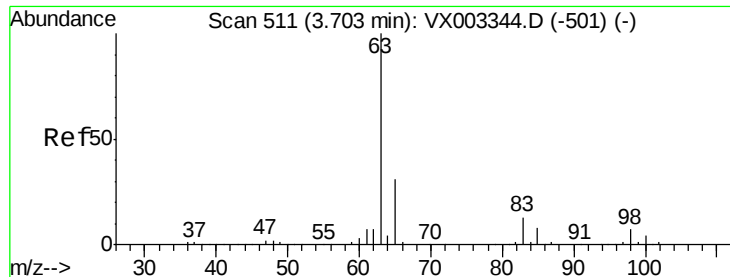
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#20
Diisopropyl ether
Concen: 17.65 ug/l
RT: 3.87 min Scan# 538
Delta R.T. -0.01 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.9	45.6	68.4
87	28.5	20.7	31.1
59	13.3	8.9	13.3





#21

1,1-Dichloroethane

Concen: 16.69 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

Instrument :

MSVOA_X

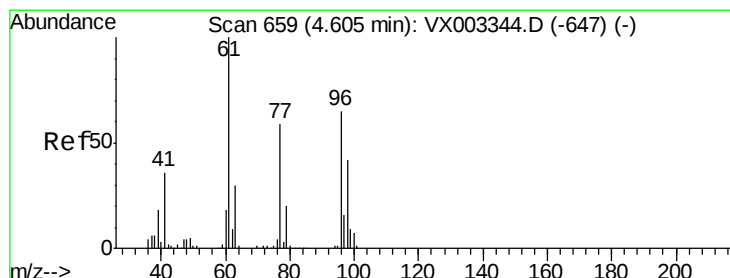
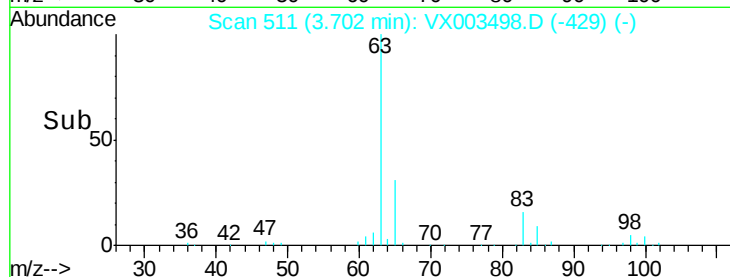
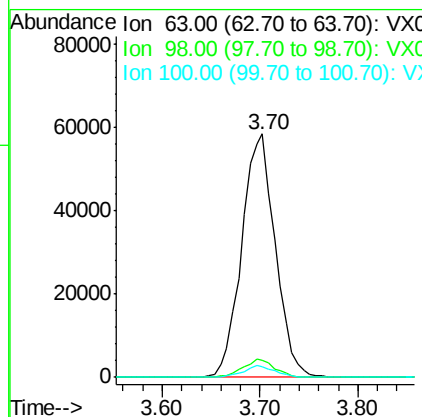
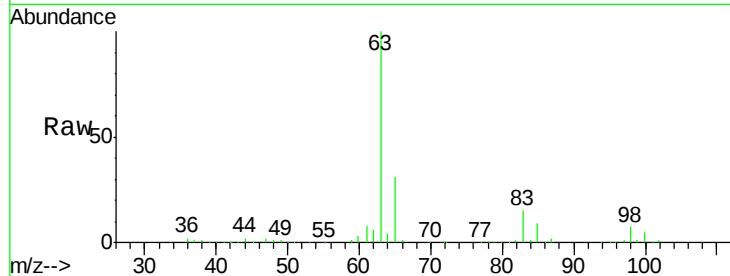
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	139215
Ion Ratio	Lower	Upper	
63	100		
98	6.9	3.1	9.3
100	4.6	2.2	6.6

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 17.62 ug/l

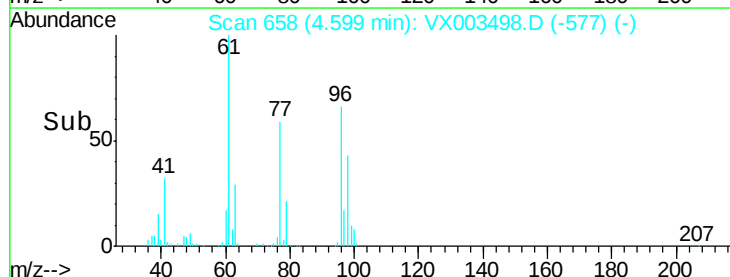
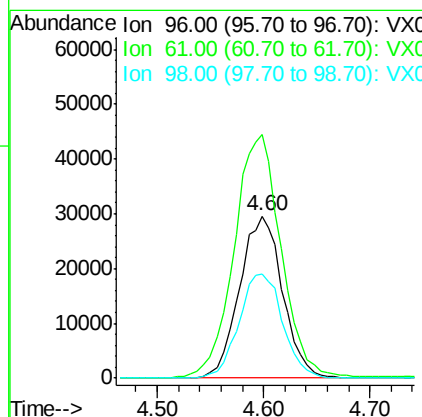
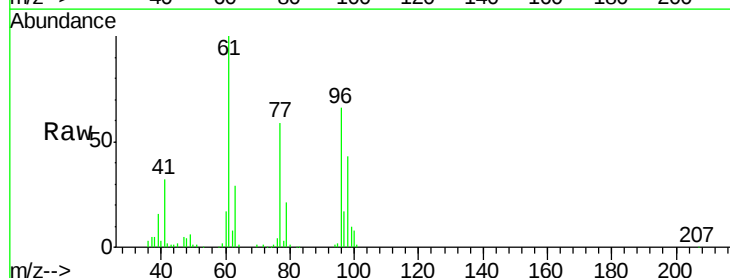
RT: 4.60 min Scan# 658

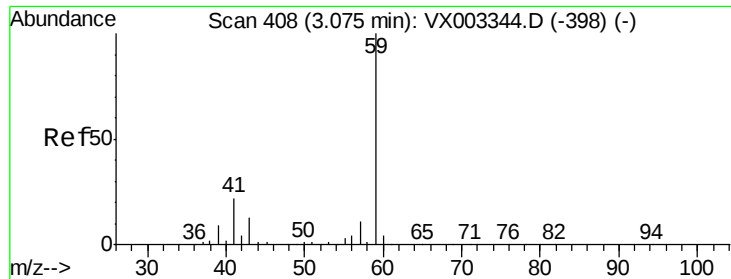
Delta R.T. -0.01 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

Tgt Ion:	96	Resp:	83563
Ion Ratio	Lower	Upper	
96	100		
61	165.1	160.2	240.2
98	65.4	54.1	81.1





#23

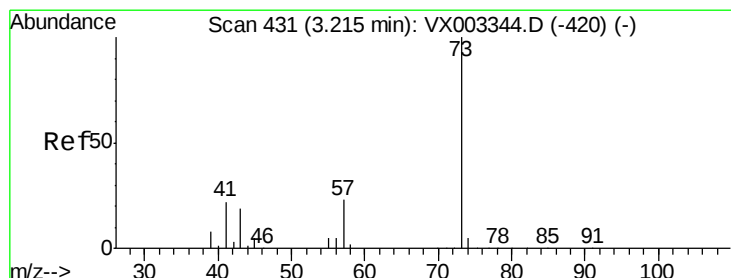
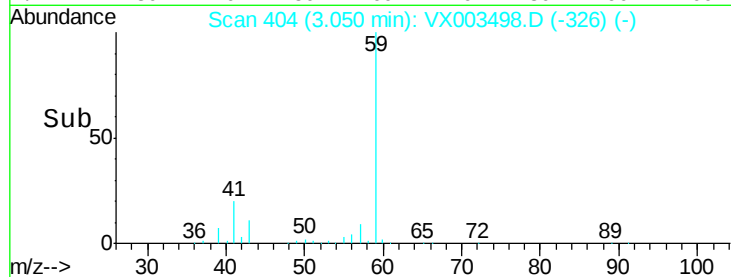
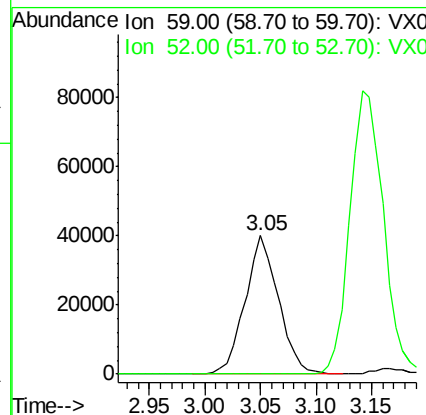
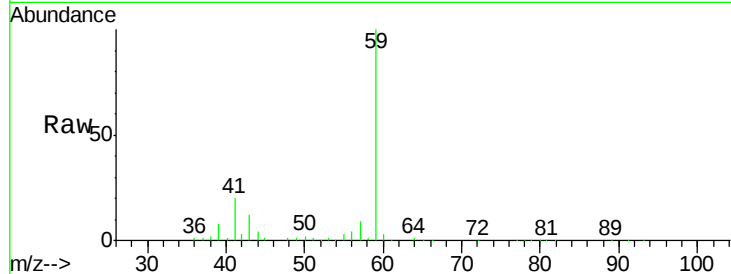
tert-Butyl Alcohol
 Concen: 79.70 ug/l
 RT: 3.05 min Scan# 404
 Delta R.T. -0.02 min
 Lab File: VX003498.D
 Acq: 20 Jul 2018 09:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	83653		
52	52	0.3		0.2	0.2#

Manual Integrations
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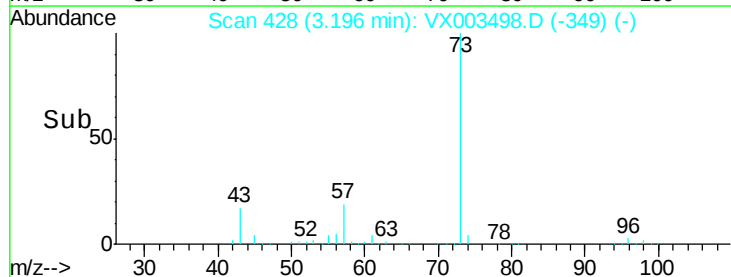
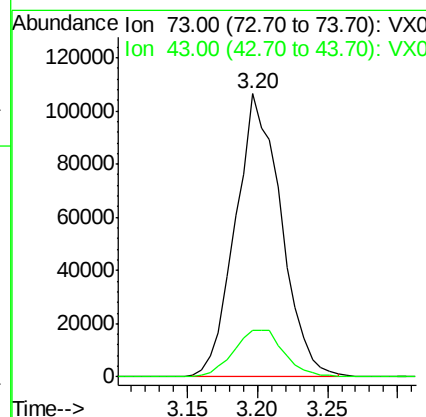
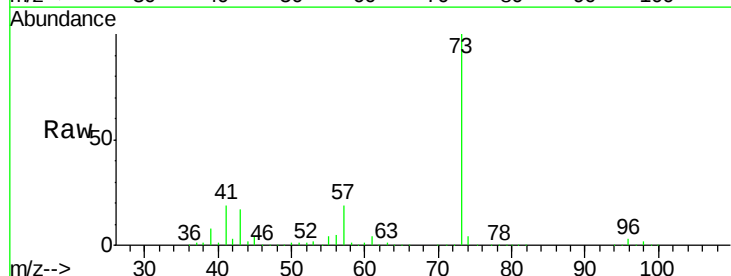
MMDadoda
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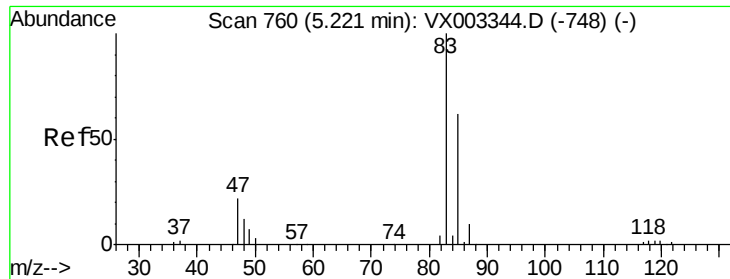


#24

Methyl tert-Butyl Ether
 Concen: 17.41 ug/l m
 RT: 3.20 min Scan# 428
 Delta R.T. -0.02 min
 Lab File: VX003498.D
 Acq: 20 Jul 2018 09:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	73	100	240547		
43	43	0.0		19.0	28.4#





#25

Chloroform

Concen: 17.95 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 83 Resp: 134834

Ion Ratio Lower Upper

83 100

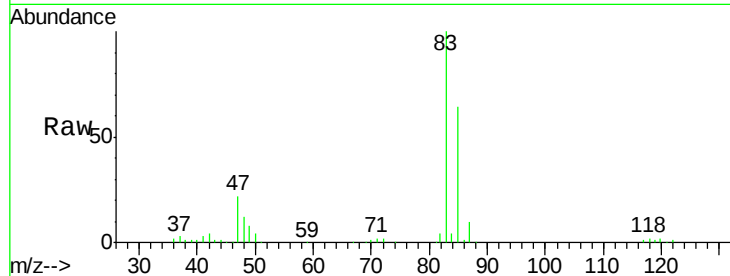
85 64.1 51.9 77.9

Manual Integrations

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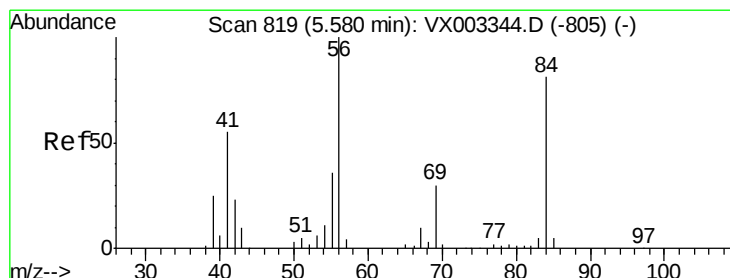
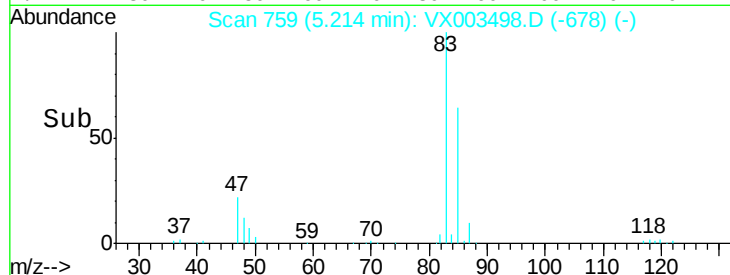
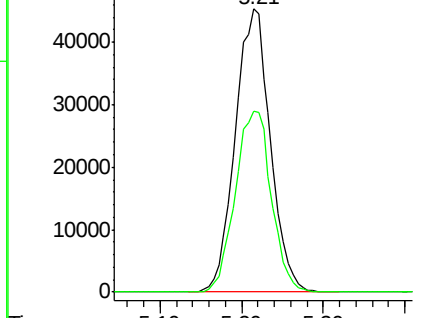
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Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 17.63 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

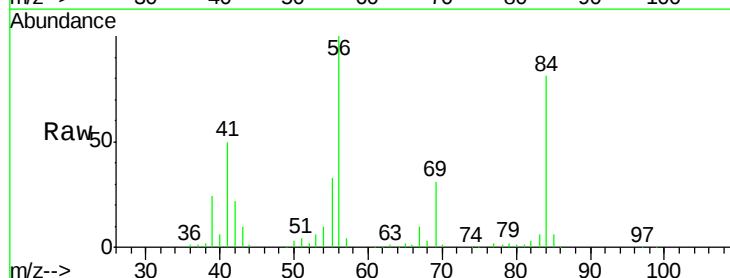
Tgt Ion: 56 Resp: 114799

Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

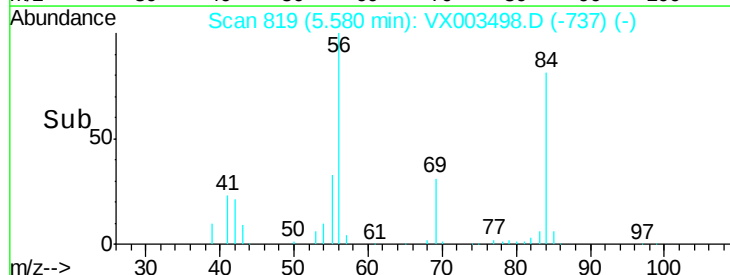
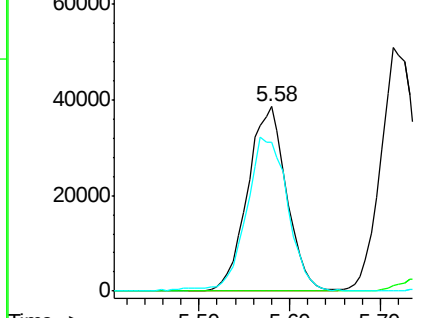
84 87.4 64.9 97.3

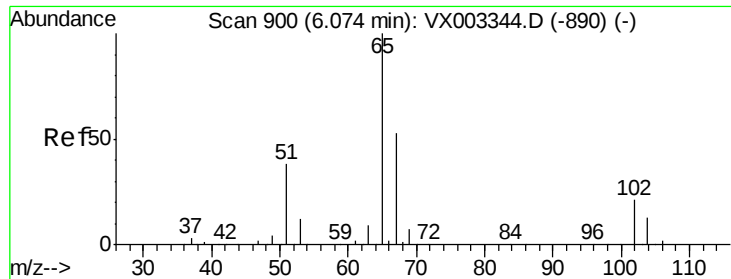


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 29.95 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 65 Resp: 136036

Ion Ratio Lower Upper

65 100

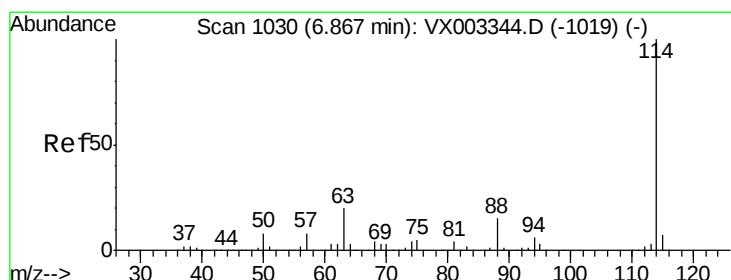
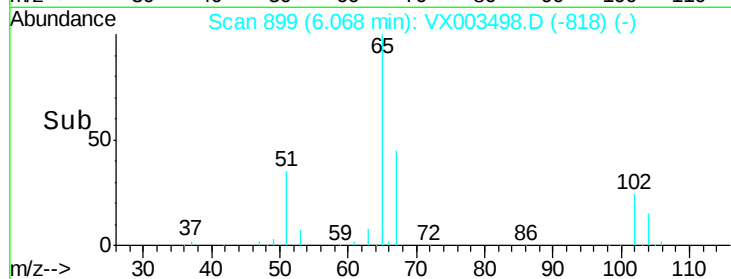
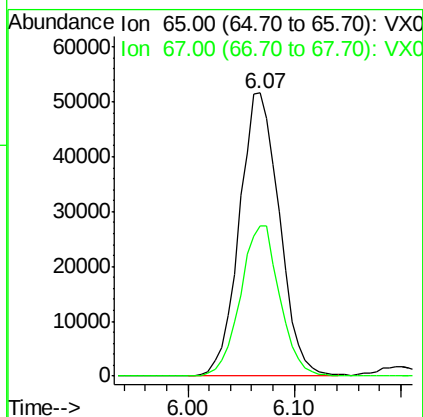
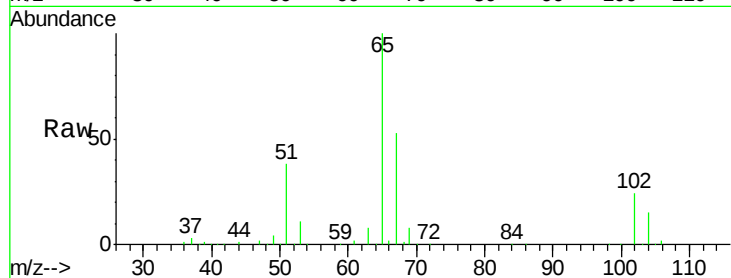
67 52.3 40.9 61.3

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#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

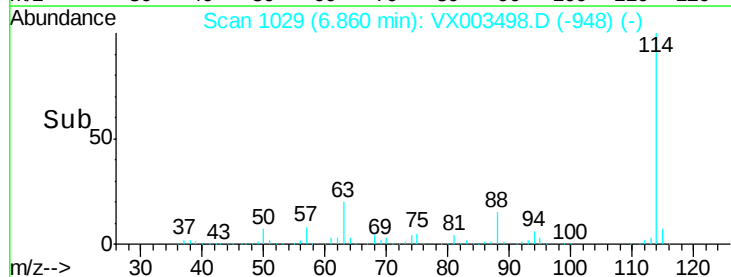
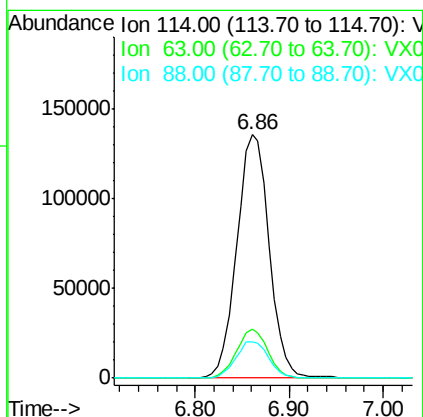
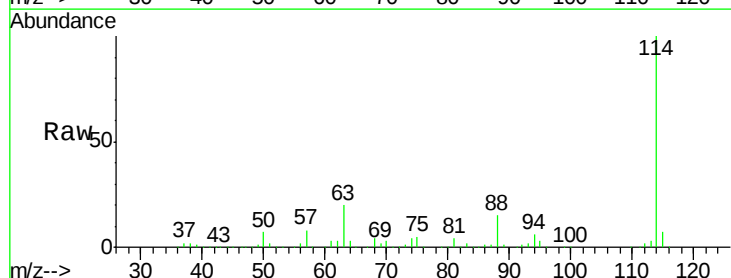
Tgt Ion: 114 Resp: 325768

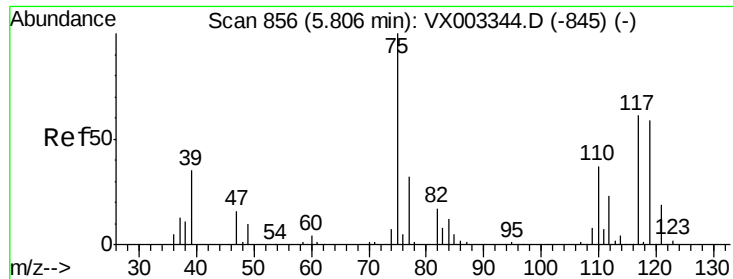
Ion Ratio Lower Upper

114 100

63 19.7 17.1 25.7

88 15.3 12.6 19.0





#29

1,1-Dichloropropene

Concen: 19.24 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.01 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

Instrument :

MSVOA_X

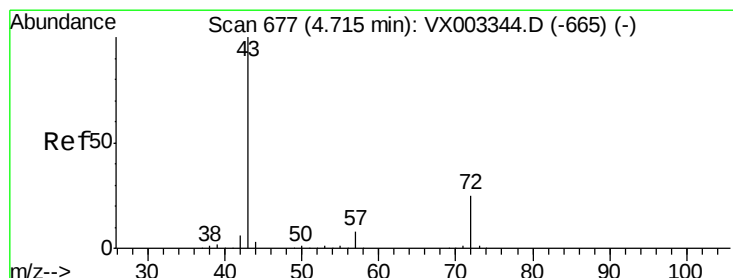
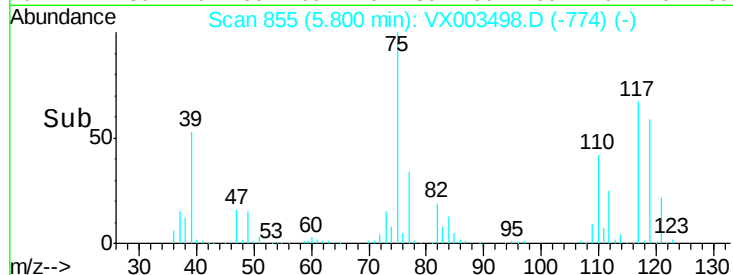
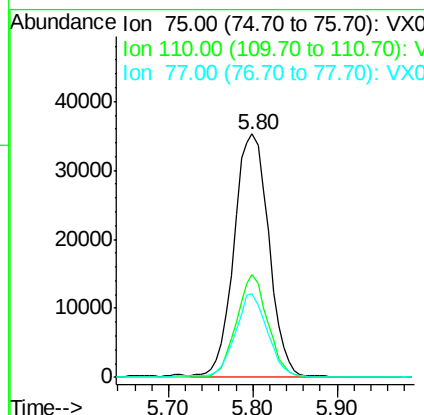
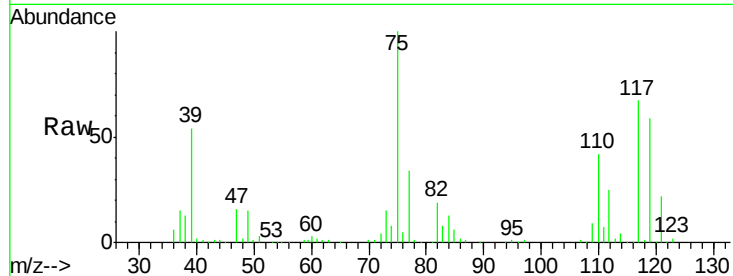
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	98817
Ion Ratio	Lower	Upper	
75	100		
110	37.9	0.0	71.4
77	31.9	0.0	60.6

Manual Integrations
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#30

2-Butanone

Concen: 91.89 ug/l

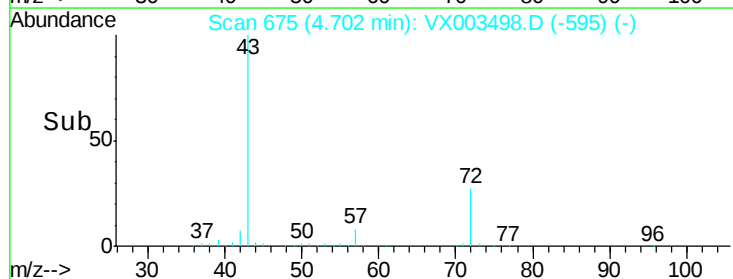
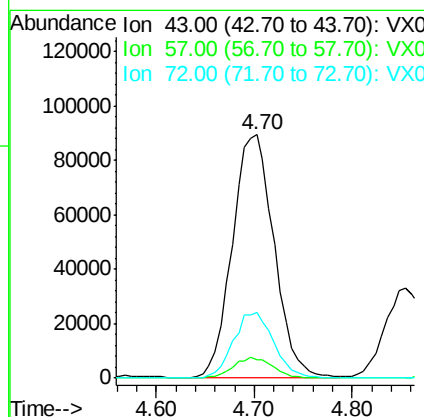
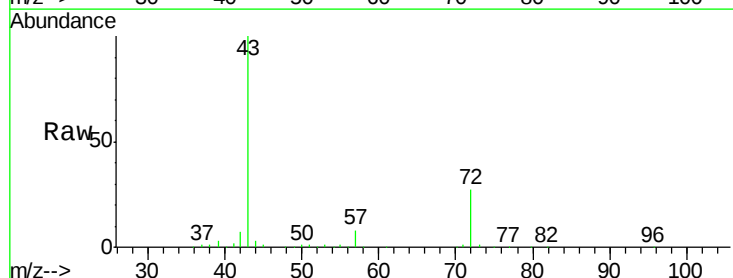
RT: 4.70 min Scan# 675

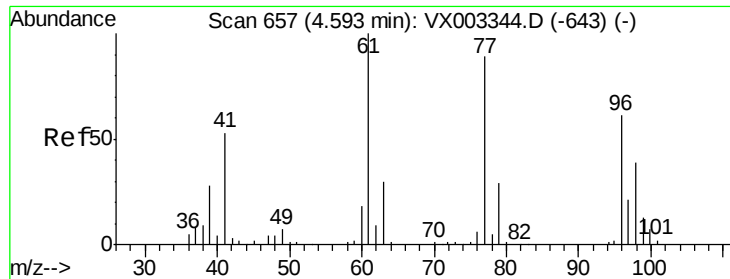
Delta R.T. -0.01 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

Tgt Ion:	43	Resp:	263729
Ion Ratio	Lower	Upper	
43	100		
57	8.2	6.1	9.1
72	26.4	18.1	27.1





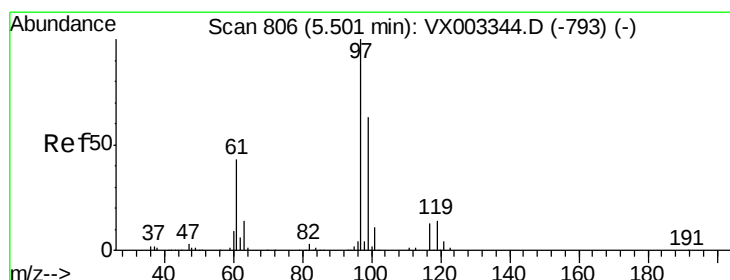
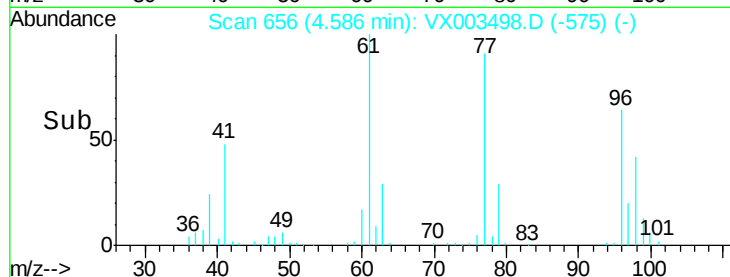
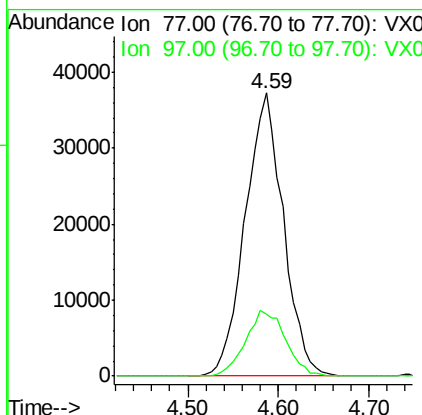
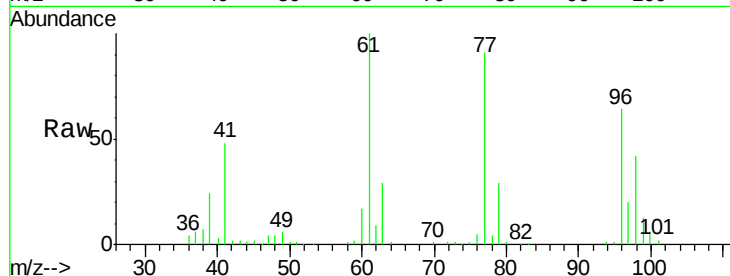
#31
 2,2-Dichloropropane
 Concen: 19.57 ug/l
 RT: 4.59 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: VX003498.D
 Acq: 20 Jul 2018 09:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion: 77 Resp: 108551
 Ion Ratio Lower Upper
 77 100
 97 24.3 18.7 28.1

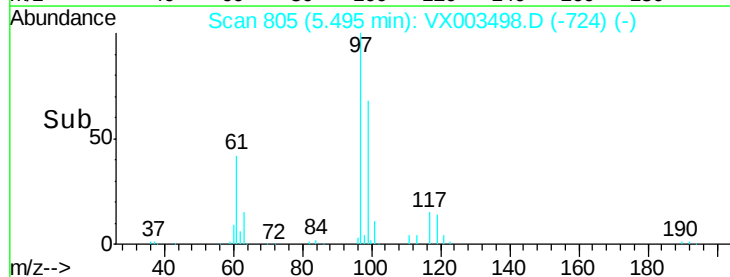
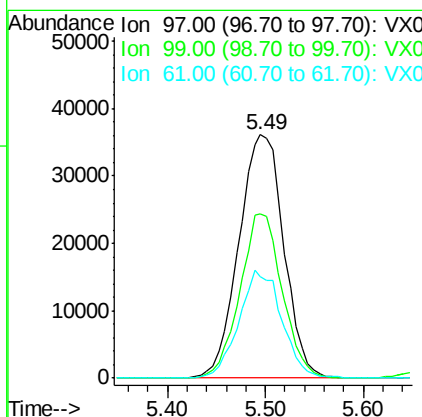
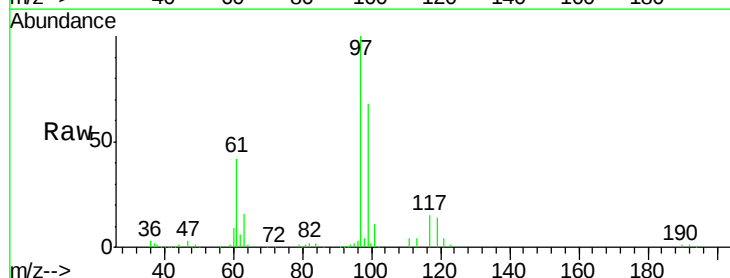
Manual Integrations
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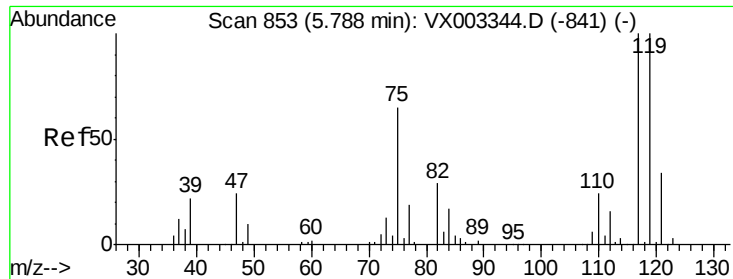
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#32
 1,1,1-Trichloroethane
 Concen: 19.80 ug/l
 RT: 5.49 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX003498.D
 Acq: 20 Jul 2018 09:20

Tgt Ion: 97 Resp: 115125
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.7 77.5
 61 28.0 36.4 54.6#





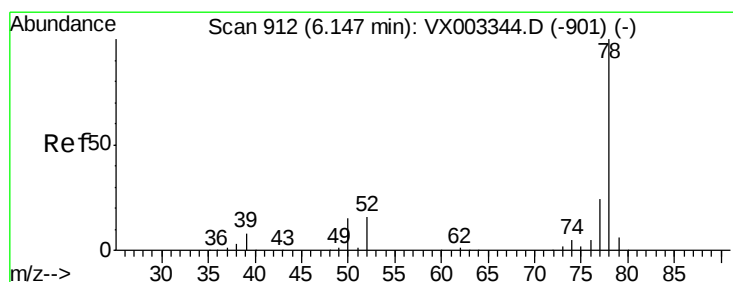
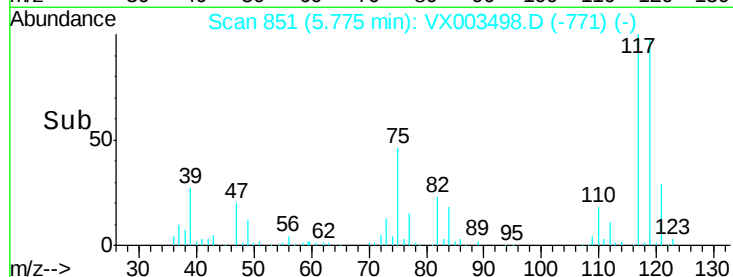
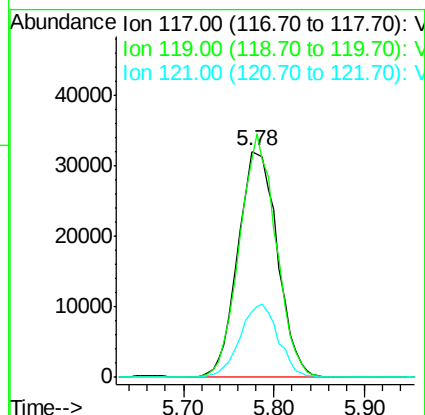
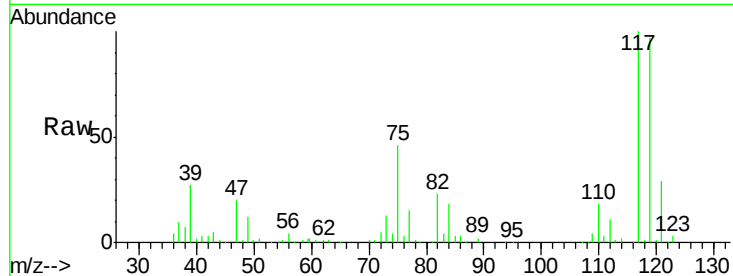
#33
Carbon Tetrachloride
Concen: 19.00 ug/l
RT: 5.78 min Scan# 851
Delta R.T. -0.01 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.7	73.3	109.9
121	29.0	23.6	35.4

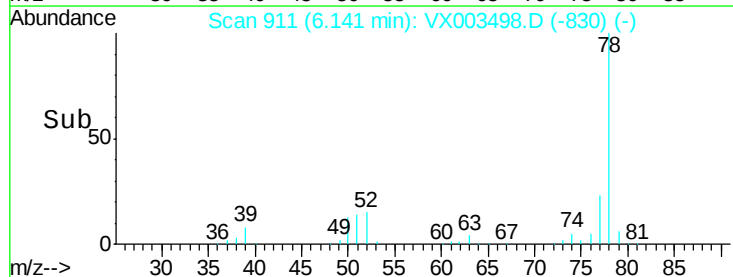
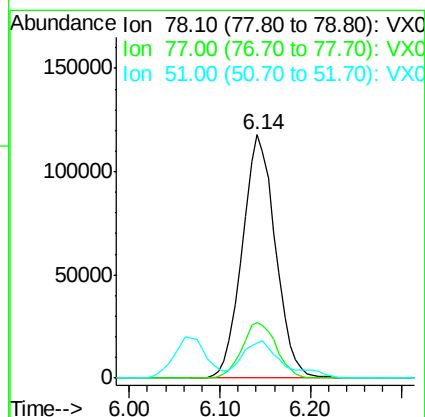
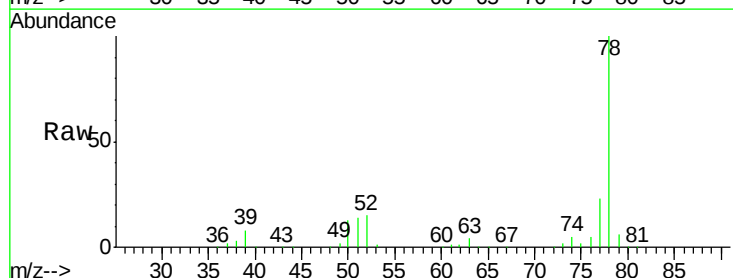
Manual Integrations
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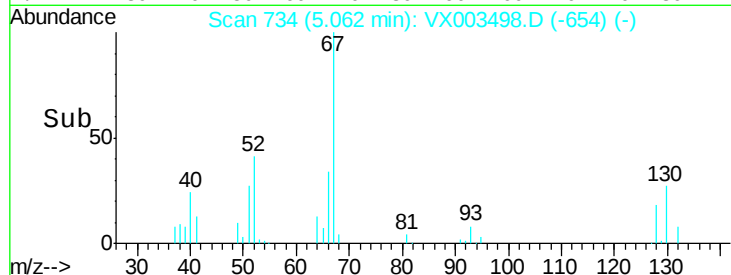
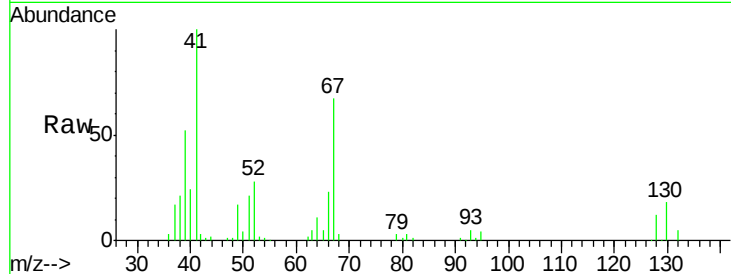
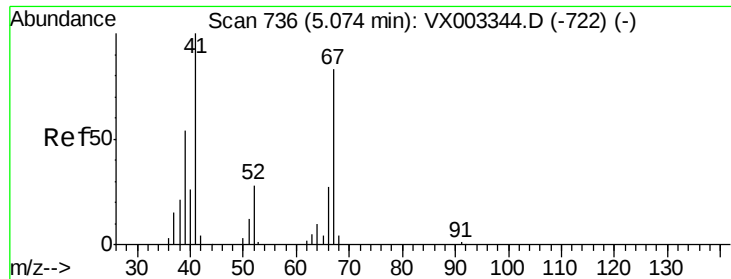
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#34
Benzene
Concen: 19.76 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.4	29.0
51	13.8	13.8	20.6





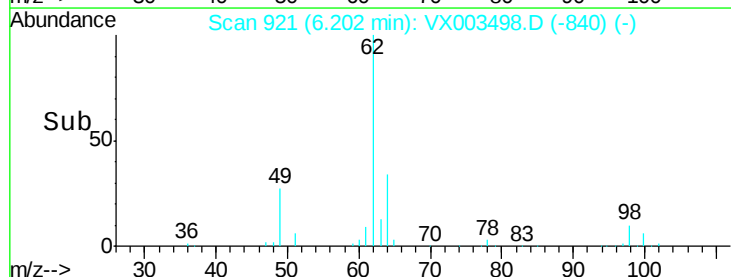
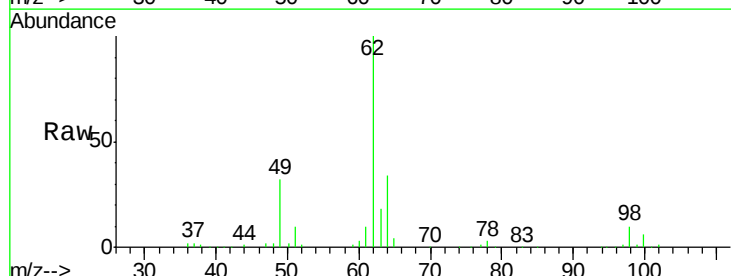
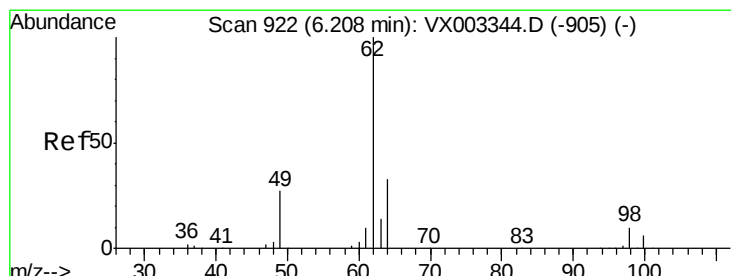
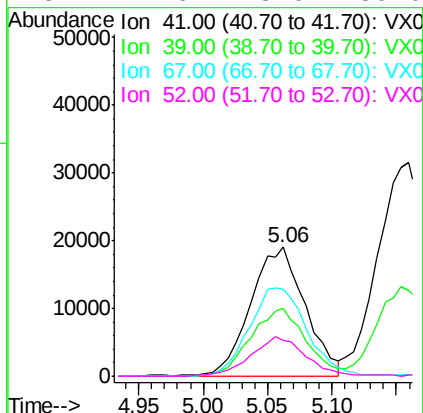
#35
Methacrylonitrile
Concen: 18.36 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	52.1	28.8	86.5	
67	67.9	30.4	91.2	
52	27.6	13.0	39.0	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

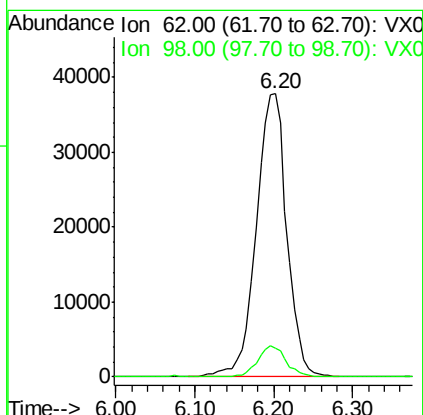
Manual Integrations
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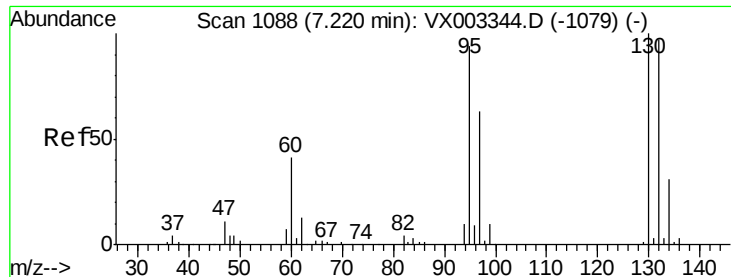
MMDadoda
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#36
1,2-Dichloroethane
Concen: 19.36 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	10.0	6.5	9.7#	





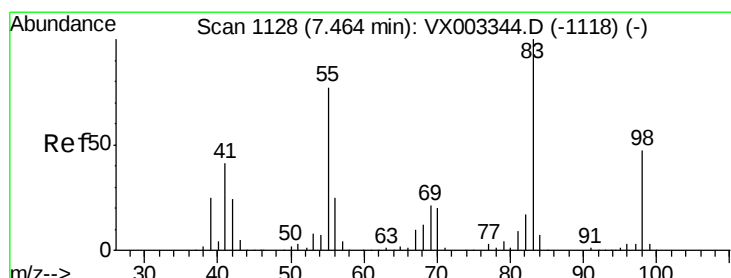
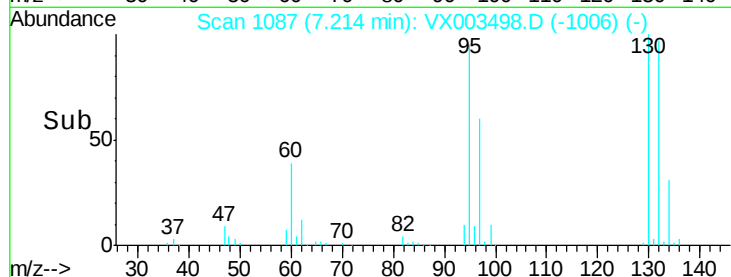
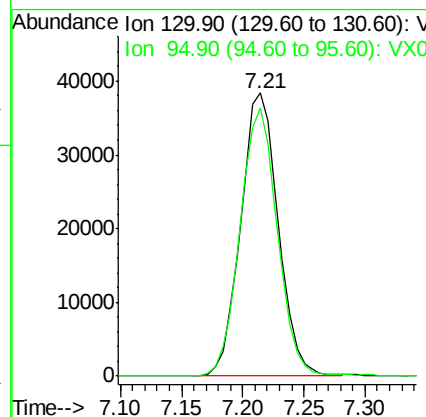
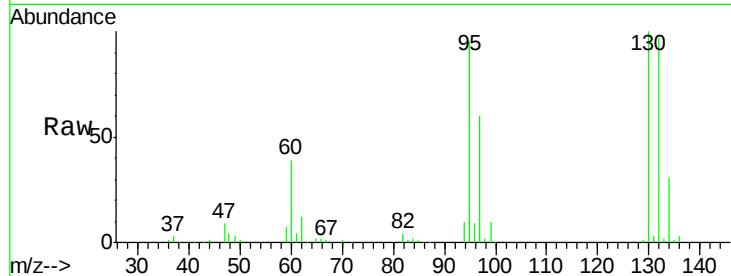
#37
 Trichloroethene
 Concen: 19.54 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX003498.D
 Acq: 20 Jul 2018 09:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 81735
 Ion Ratio Lower Upper
 130 100
 95 94.8 81.5 122.3

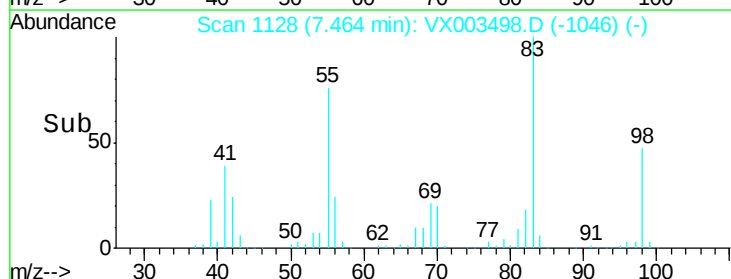
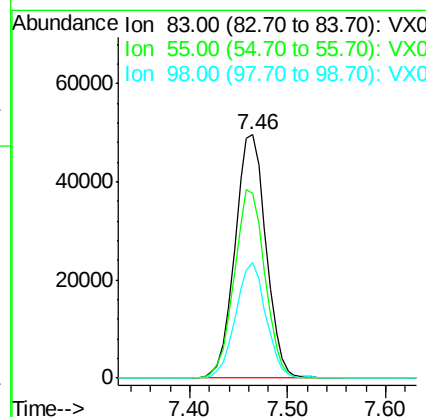
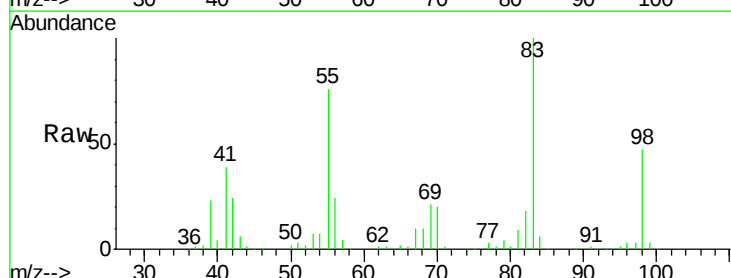
Manual Integrations
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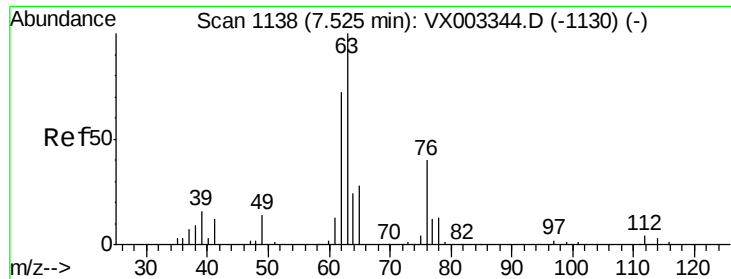
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#38
 Methylcyclohexane
 Concen: 18.79 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VX003498.D
 Acq: 20 Jul 2018 09:20

Tgt Ion: 83 Resp: 109111
 Ion Ratio Lower Upper
 83 100
 55 76.4 40.6 121.8
 98 46.1 23.5 70.5





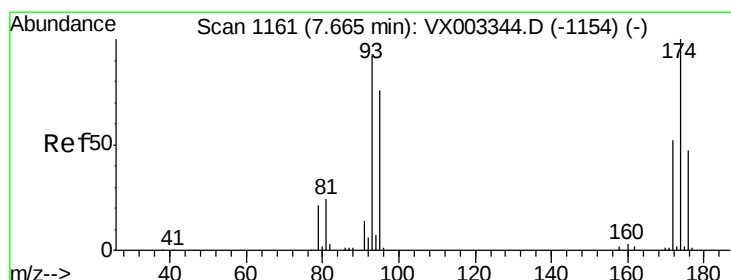
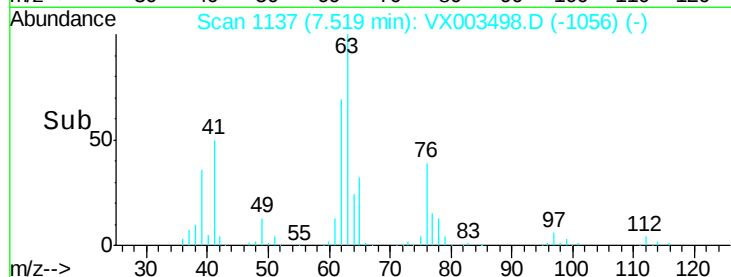
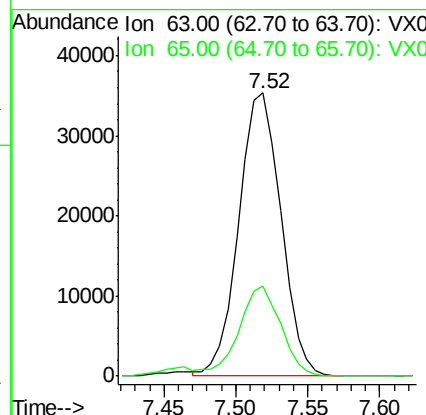
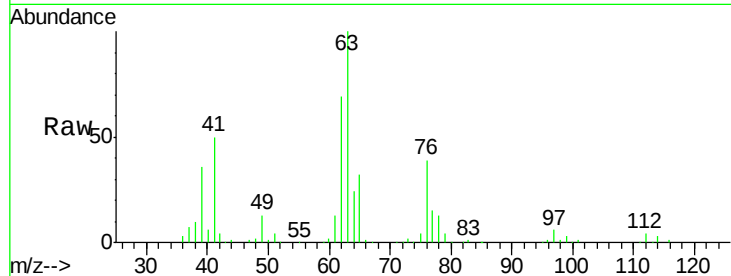
#39
 1,2-Dichloropropane
 Concen: 18.47 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX003498.D
 Acq: 20 Jul 2018 09:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion: 63 Resp: 72198
 Ion Ratio Lower Upper
 63 100
 65 31.8 23.3 34.9

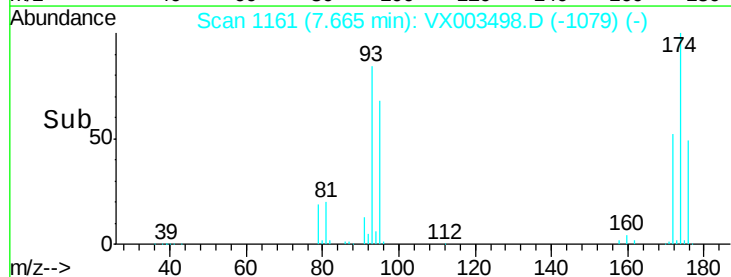
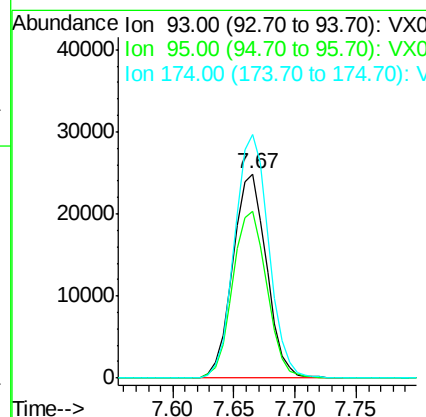
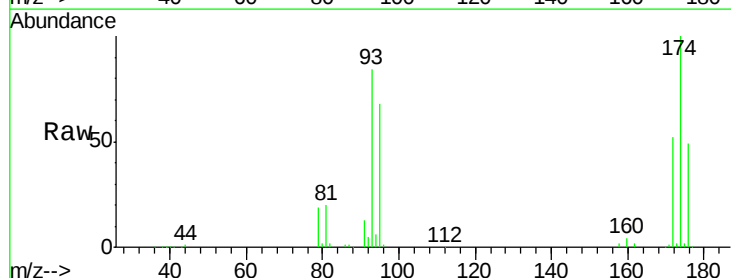
Manual Integrations
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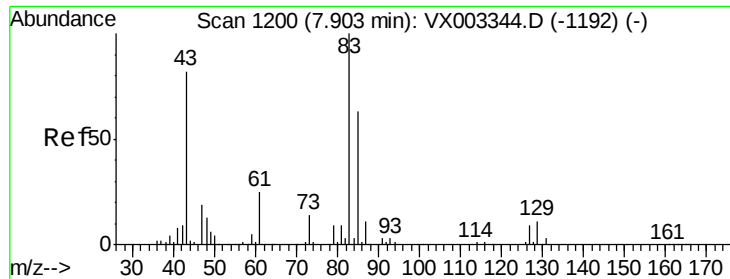
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#40
 Dibromomethane
 Concen: 18.49 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003498.D
 Acq: 20 Jul 2018 09:20

Tgt Ion: 93 Resp: 47464
 Ion Ratio Lower Upper
 93 100
 95 82.8 0.0 162.6
 174 120.6 0.0 229.4





#41

Bromodichloromethane

Concen: 17.97 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

Instrument :

MSVOA_X

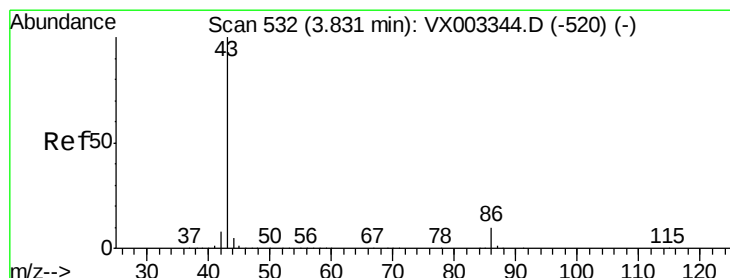
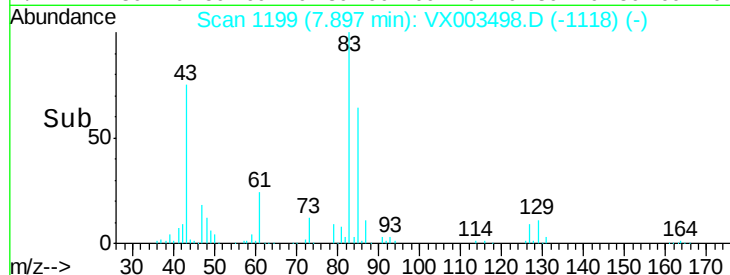
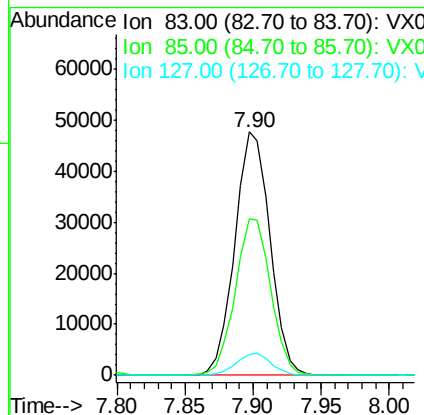
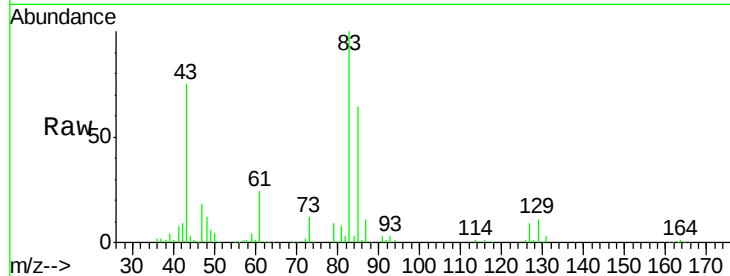
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	86165
Ion Ratio	Lower	Upper	
83	100		
85	64.3	49.8	74.8
127	8.7	7.3	10.9

Manual Integrations
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#42

Vinyl Acetate

Concen: 92.76 ug/l

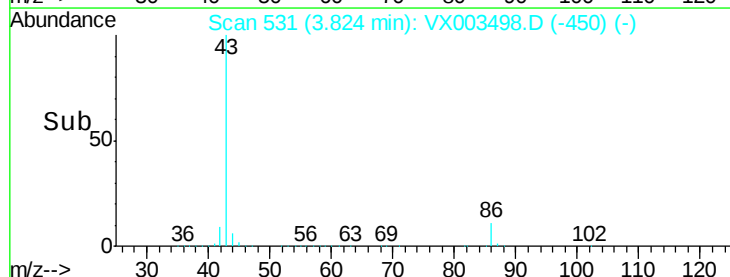
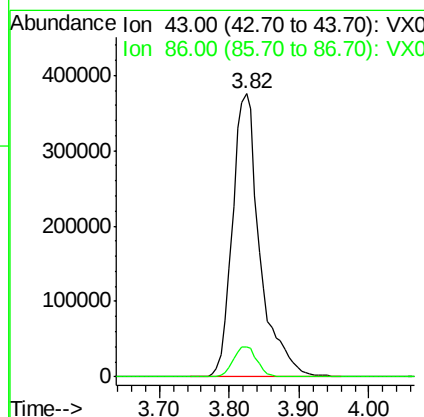
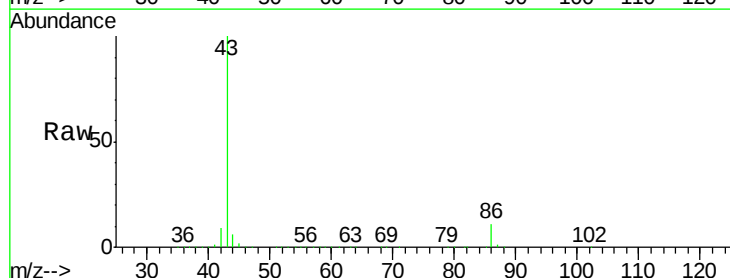
RT: 3.82 min Scan# 531

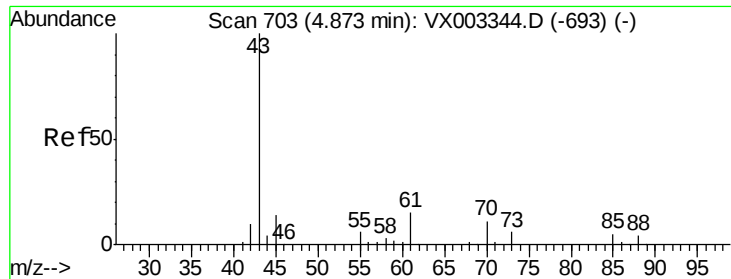
Delta R.T. -0.01 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

Tgt Ion:	43	Resp:	1022769
Ion Ratio	Lower	Upper	
43	100		
86	9.4	6.7	10.1





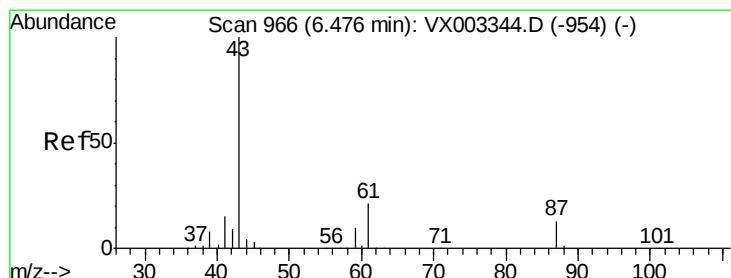
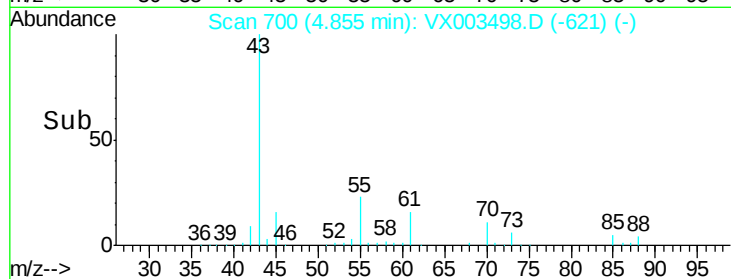
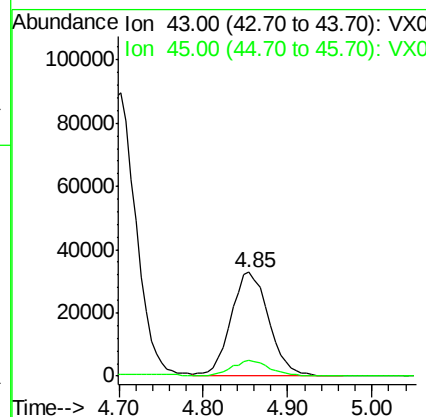
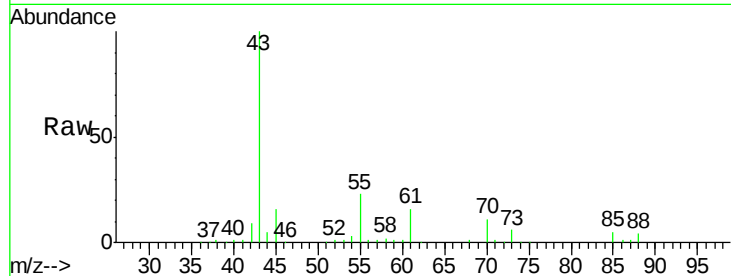
#43
Ethyl Acetate
Concen: 18.27 ug/l
RT: 4.85 min Scan# 700
Delta R.T. -0.02 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC020

Tot Ion: 43 Resp: 99609
Ion Ratio Lower Upper
43 100
45 14.8 11.0 16.4

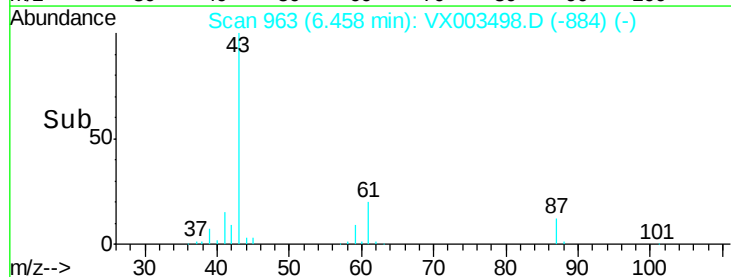
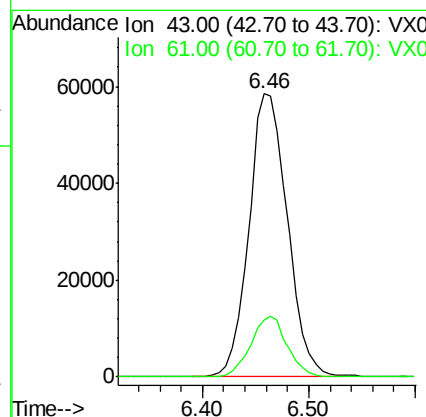
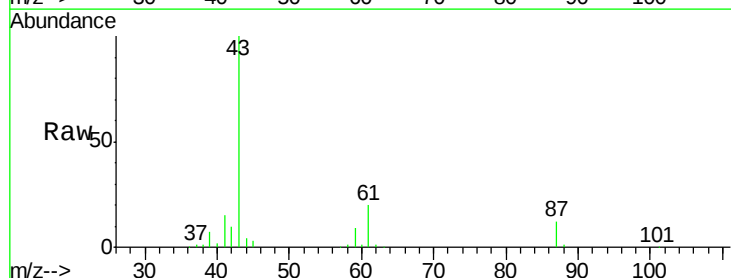
Manual Integrations
APPROVED

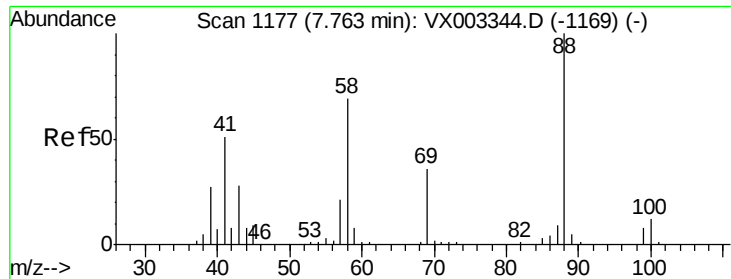
MMDadoda
7/23/2018 12:34:32 PM



#44
Isopropyl Acetate
Concen: 17.74 ug/l
RT: 6.46 min Scan# 963
Delta R.T. -0.02 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Tgt Ion: 43 Resp: 148256
Ion Ratio Lower Upper
43 100
61 20.5 14.5 21.7





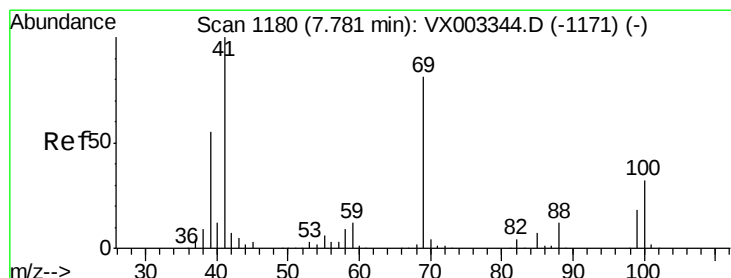
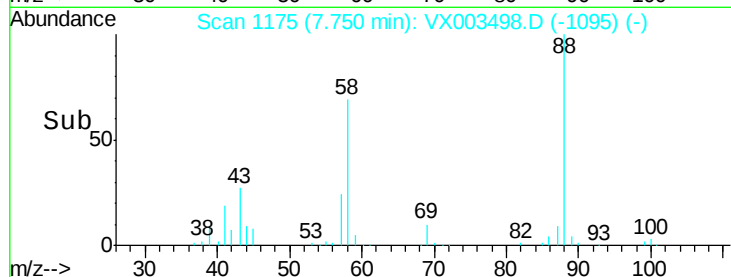
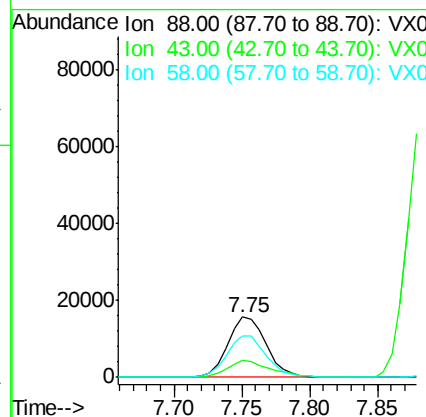
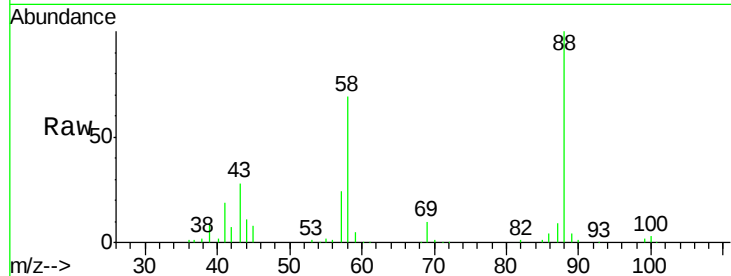
#45
 1,4-Dioxane
 Concen: 344.87 ug/l
 RT: 7.75 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VX003498.D
 Acq: 20 Jul 2018 09:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	43.2	64.8#
58	71.1	60.2	90.2

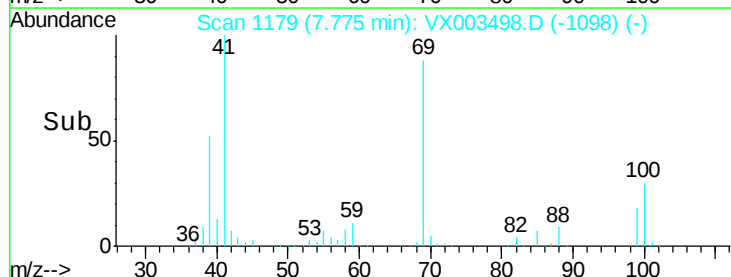
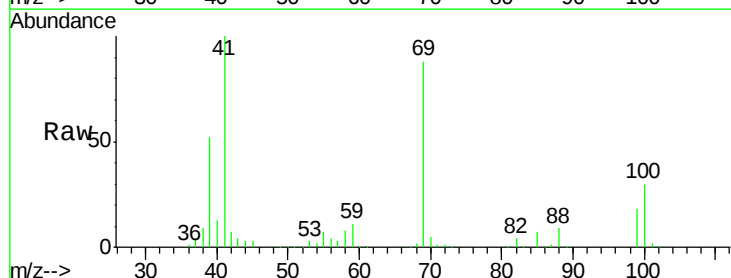
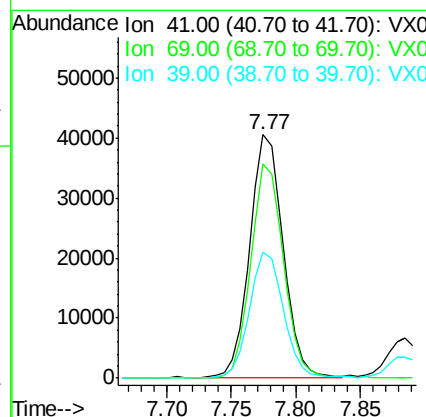
Manual Integrations
 APPROVED

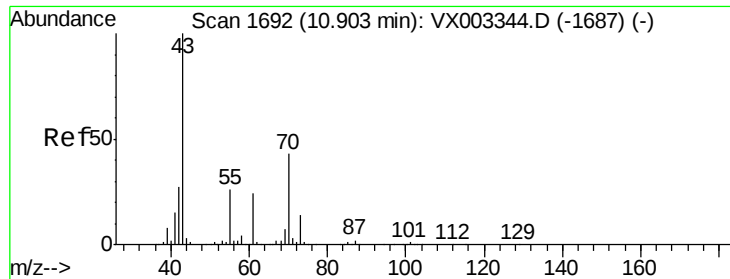
MMDadoda
 7/23/2018 12:34:32 PM



#46
 Methyl methacrylate
 Concen: 16.83 ug/l
 RT: 7.77 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VX003498.D
 Acq: 20 Jul 2018 09:20

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.0	37.0	110.9
39	51.7	29.6	88.9





#47

n-amvl Acetate

Concen: 15.09 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 108592

Ion Ratio Lower Upper

43 100

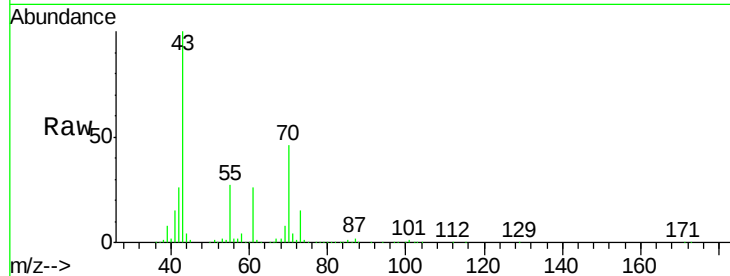
55 27.5 0.1 0.1#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

10.90

80000

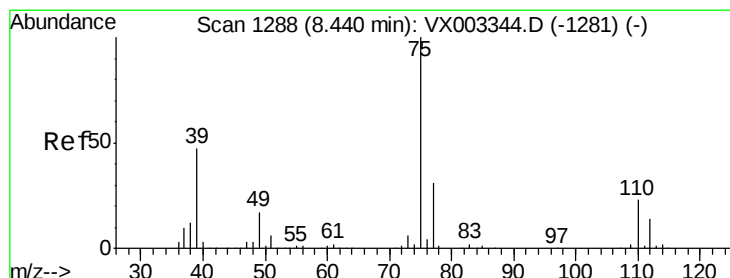
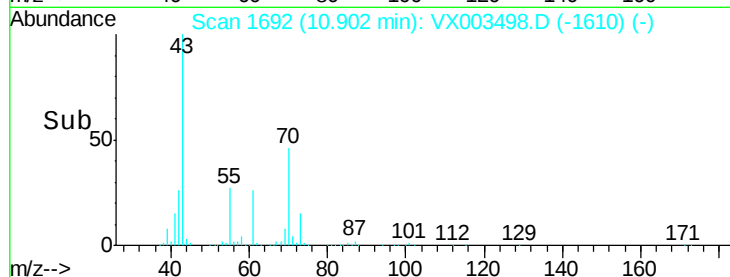
60000

40000

20000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 18.34 ug/l

RT: 8.43 min Scan# 1287

Delta R.T. -0.01 min

Lab File: VX003498.D

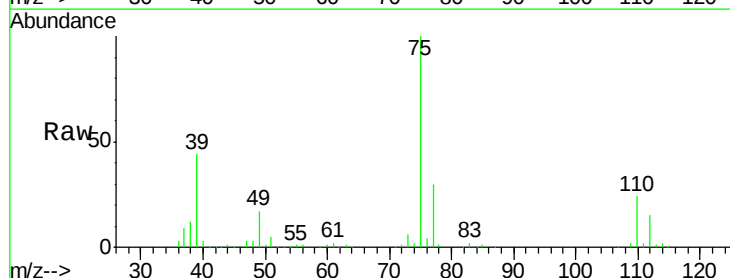
Acq: 20 Jul 2018 09:20

Tgt Ion: 75 Resp: 107049

Ion Ratio Lower Upper

75 100

77 29.7 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

8.43

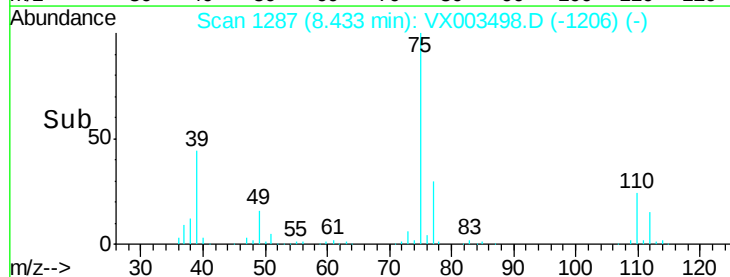
60000

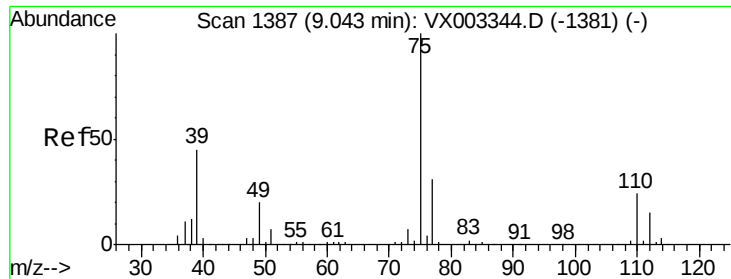
40000

20000

0

Time-->





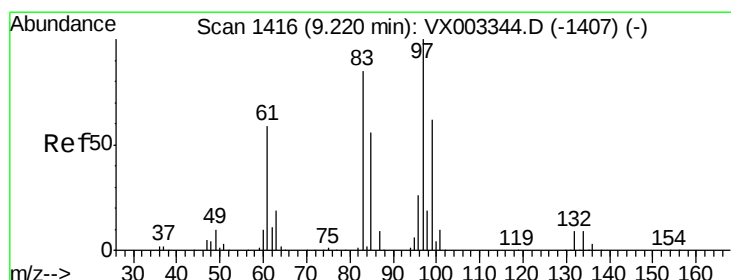
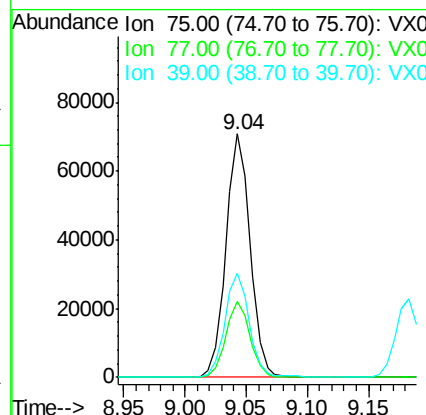
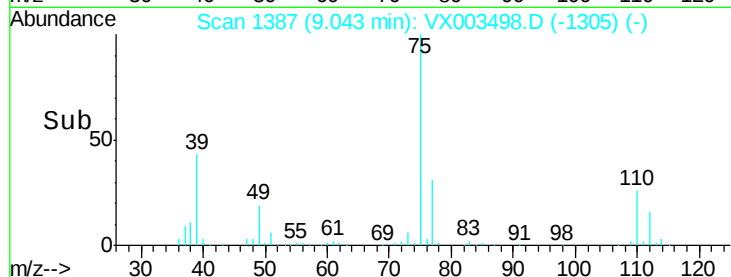
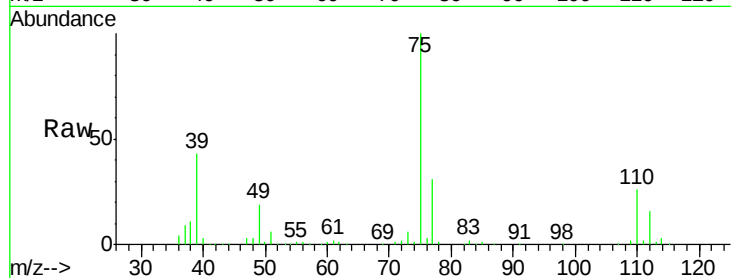
#49
 cis-1,3-Dichloropropene
 Concen: 18.33 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX003498.D
 Acq: 20 Jul 2018 09:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.2
39	42.7	42.3	63.5

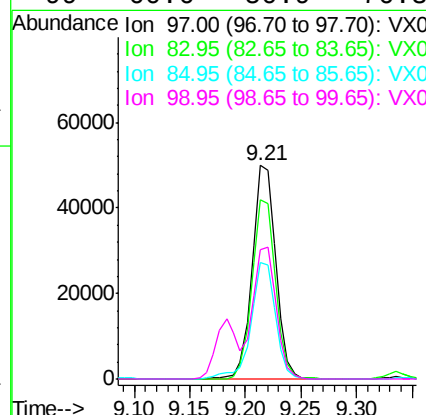
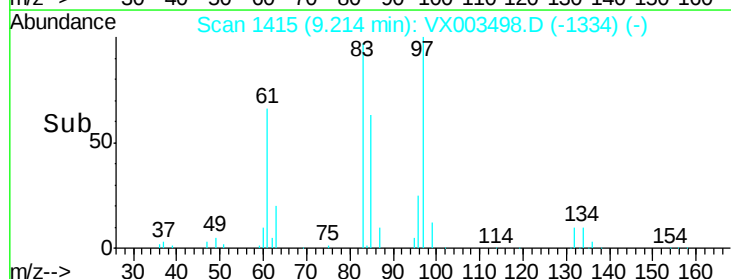
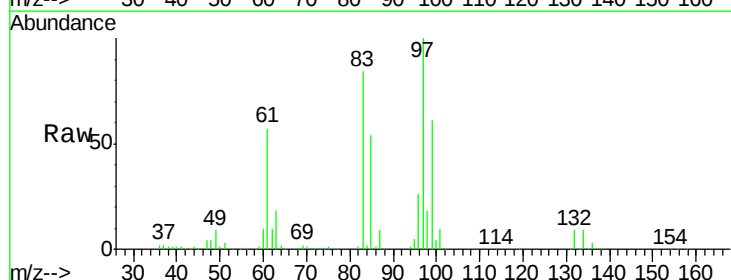
Manual Integrations
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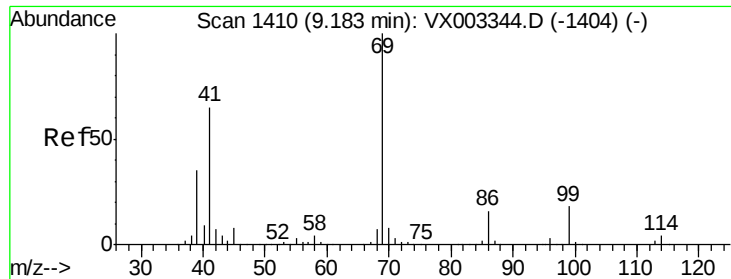
MMDadoda
 7/23/2018 12:34:32 PM



#50
 1,1,2-Trichloroethane
 Concen: 19.01 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: VX003498.D
 Acq: 20 Jul 2018 09:20

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.1	70.8	106.2
85	54.4	43.5	65.3
99	60.6	50.9	76.3





#51

Ethyl methacrylate

Concen: 17.52 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.00 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

Instrument :

MSVOA_X

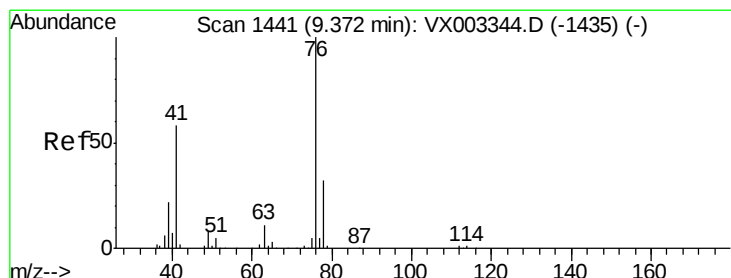
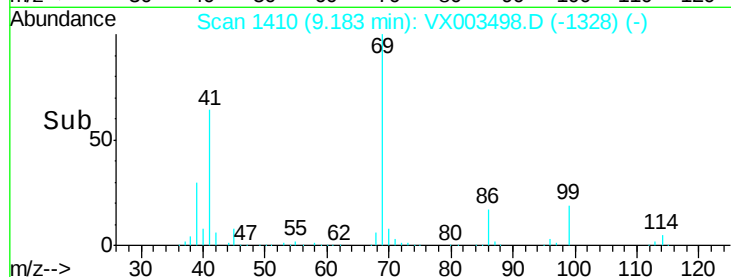
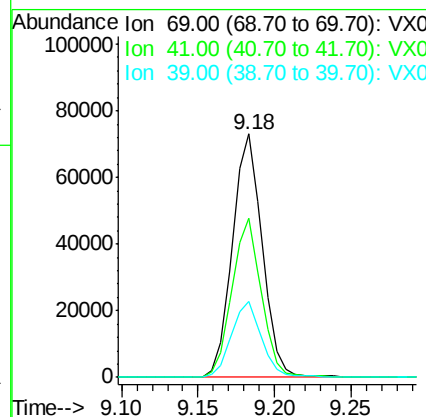
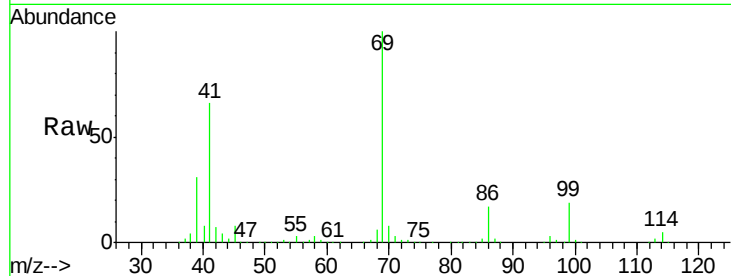
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	98824
Ion	Ratio	Lower	Upper
69	100		
41	65.4	39.1	117.3
39	31.1	21.7	65.1

Manual Integrations
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7/23/2018 12:34:32 PM



#52

1,3-Dichloropropane

Concen: 18.73 ug/l

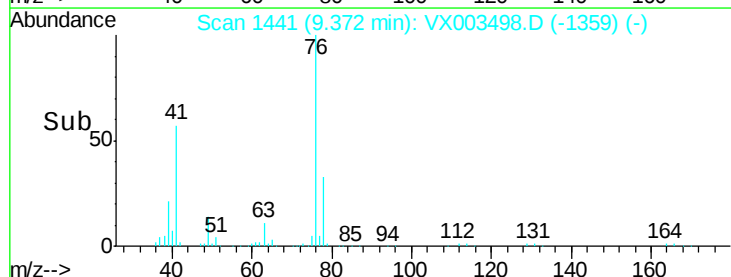
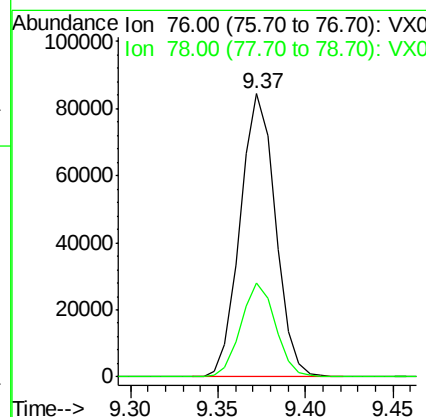
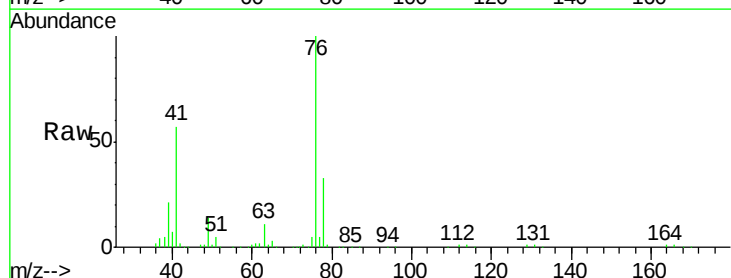
RT: 9.37 min Scan# 1441

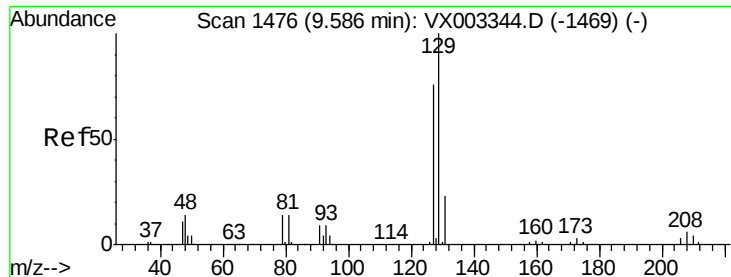
Delta R.T. -0.00 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

Tgt Ion:	76	Resp:	119109
Ion	Ratio	Lower	Upper
76	100		
78	32.7	0.0	63.4





#53

Dibromochloromethane

Concen: 18.21 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:129 Resp: 70434

Ion Ratio Lower Upper

129 100

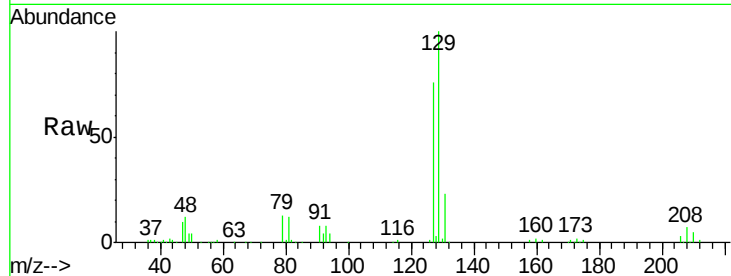
127 77.3 38.5 115.3

Manual Integrations

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

9.59

60000

50000

40000

30000

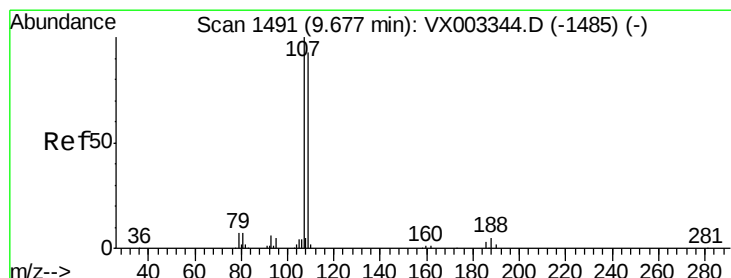
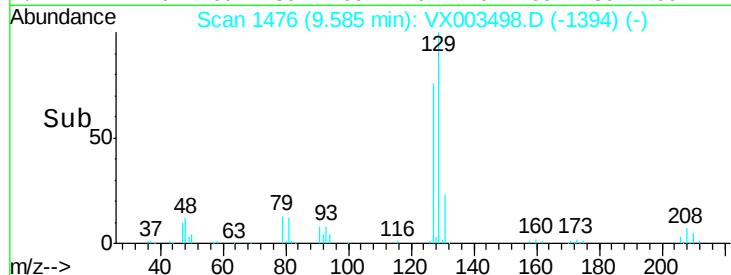
20000

10000

0

9.55 9.60 9.65

Time-->



#54

1,2-Dibromoethane

Concen: 18.60 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX003498.D

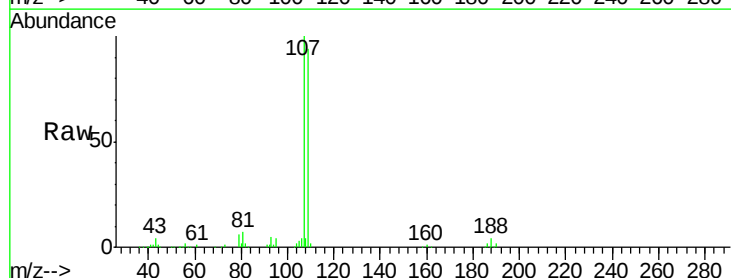
Acq: 20 Jul 2018 09:20

Tgt Ion:107 Resp: 74667

Ion Ratio Lower Upper

107 100

109 94.7 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.67

60000

50000

40000

30000

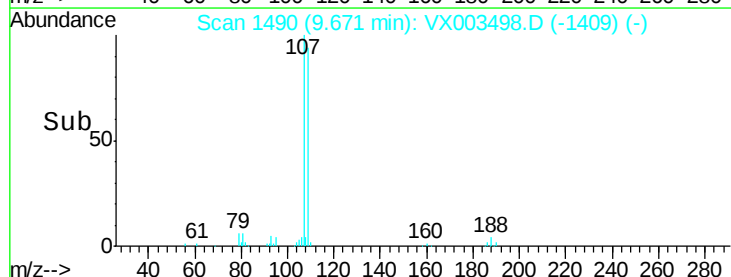
20000

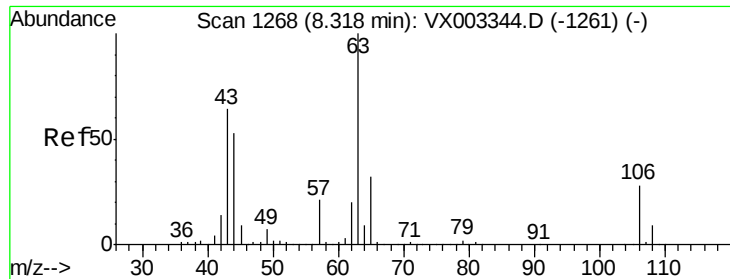
10000

0

9.60 9.65 9.70 9.75

Time-->





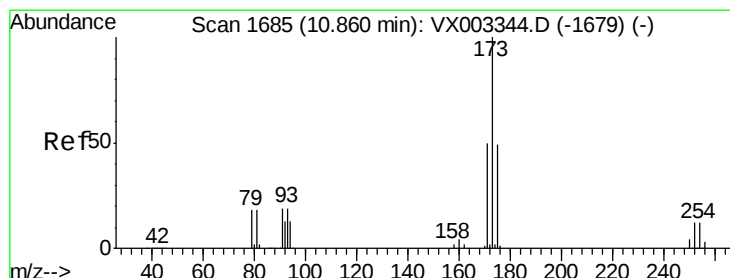
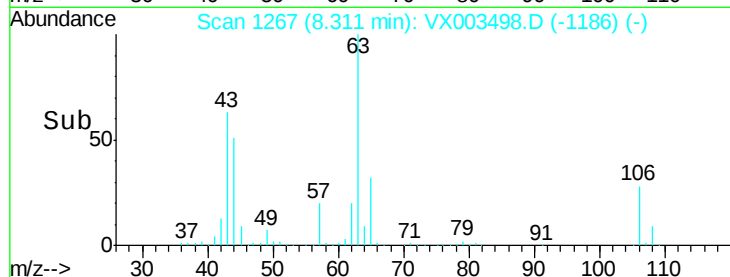
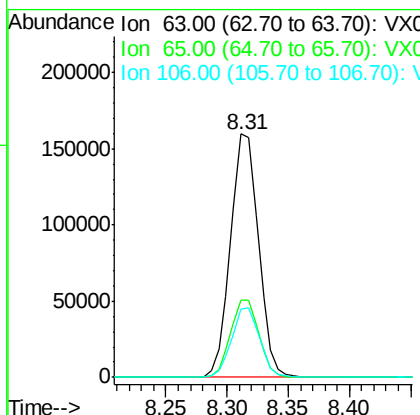
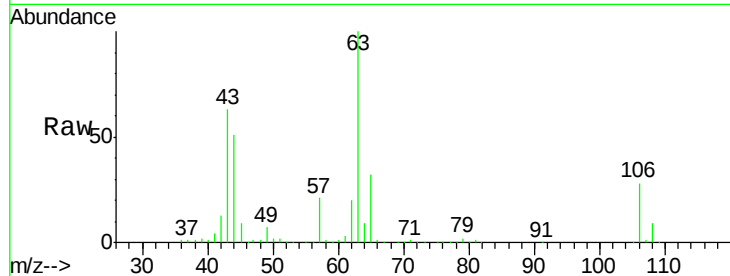
#55
2-Chloroethyl vinyl ether
Concen: 95.13 ug/l
RT: 8.31 min Scan# 1267
Delta R.T. -0.01 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.6	38.4
106	28.5	21.6	32.4

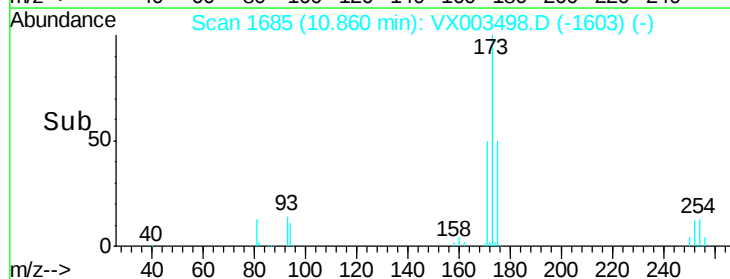
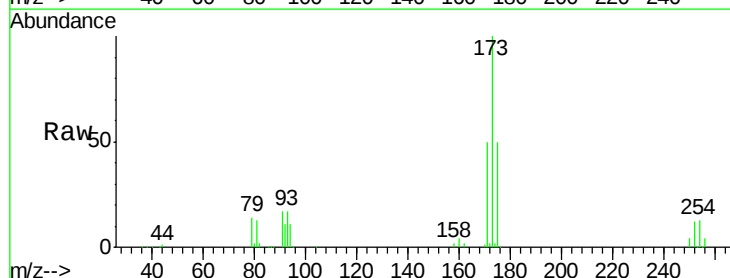
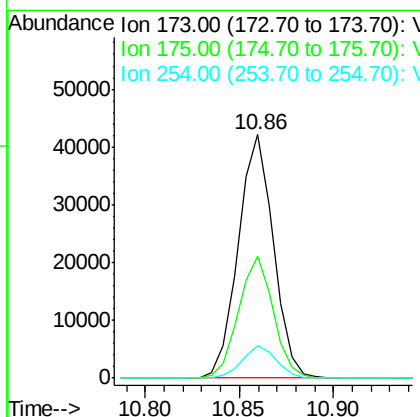
Manual Integrations
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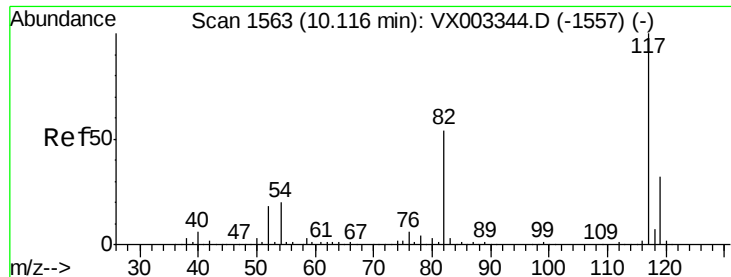
MMDadoda
7/23/2018 12:34:32 PM



#56
Bromoform
Concen: 18.36 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.3	39.0	58.4
254	12.8	9.6	14.4





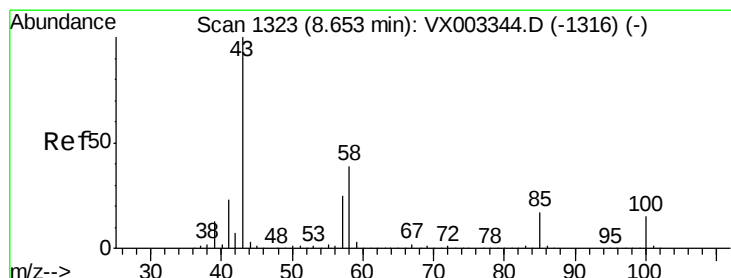
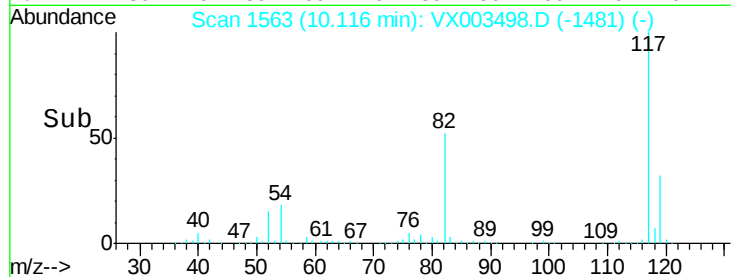
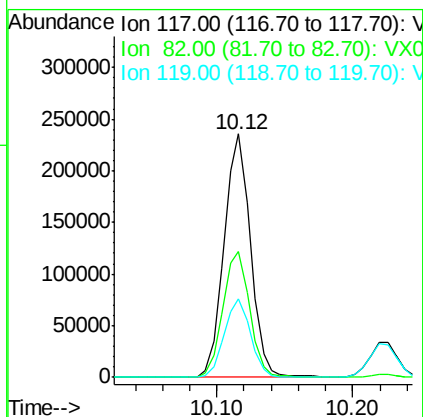
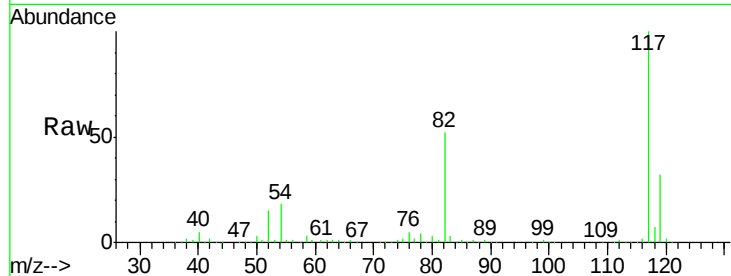
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	44.3	66.5
119	32.1	25.7	38.5

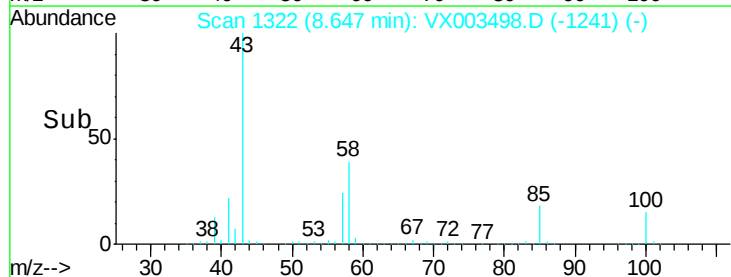
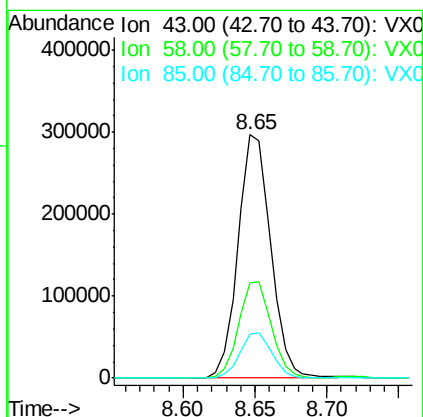
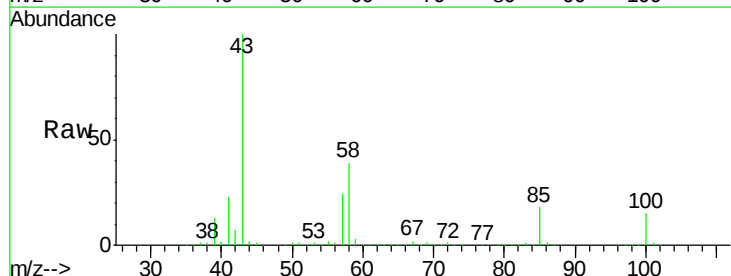
Manual Integrations
APPROVED

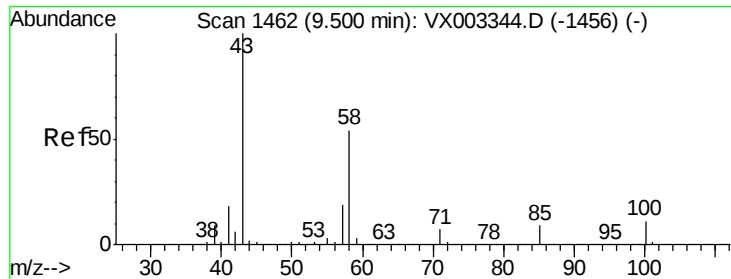
MMDadoda
7/23/2018 12:34:32 PM



#58
4-Methyl-2-Pentanone
Concen: 82.39 ug/l
RT: 8.65 min Scan# 1322
Delta R.T. -0.01 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.8	28.2	42.4
85	18.2	12.4	18.6





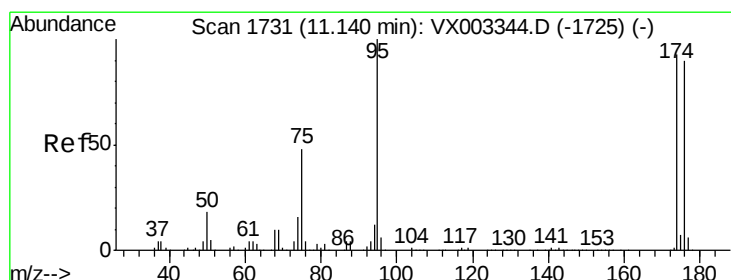
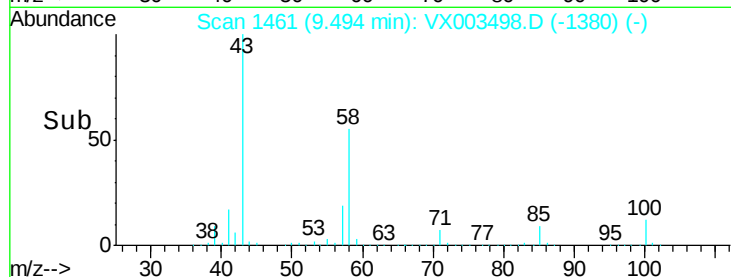
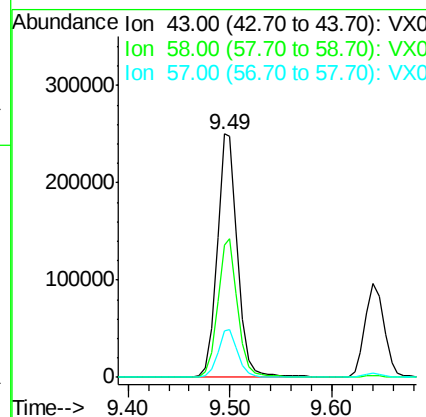
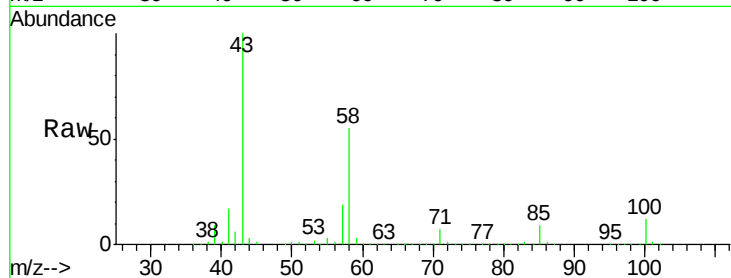
#59
2-Hexanone
Concen: 80.77 ug/l
RT: 9.49 min Scan# 1461
Delta R.T. -0.01 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.8	39.6	59.4
57	19.3	14.1	21.1

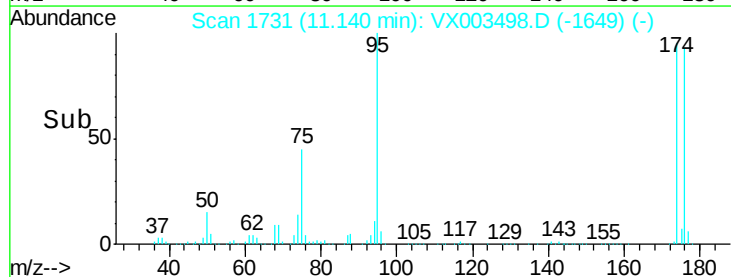
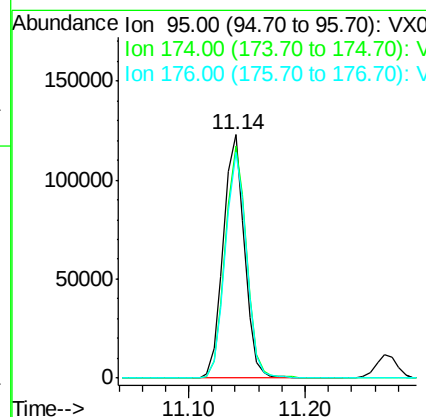
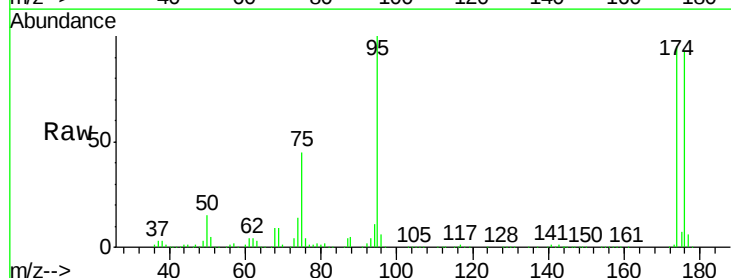
Manual Integrations
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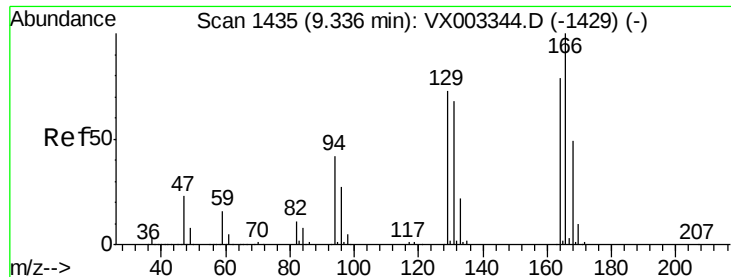
MMDadoda
7/23/2018 12:34:32 PM



#60
4-Bromofluorobenzene
Concen: 30.10 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.3	71.8	107.6
176	93.2	70.1	105.1





#61

Tetrachloroethene

Concen: 19.98 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 97337

Ion Ratio Lower Upper

164 100

166 127.1 102.4 153.6

129 87.0 70.1 105.1

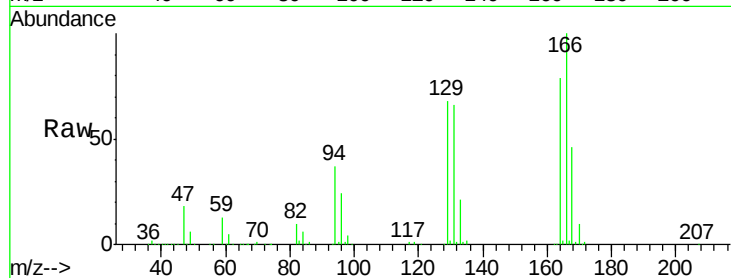
131 84.4 69.1 103.7

Manual Integrations

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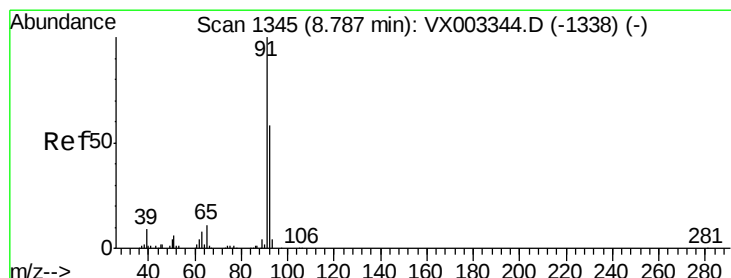
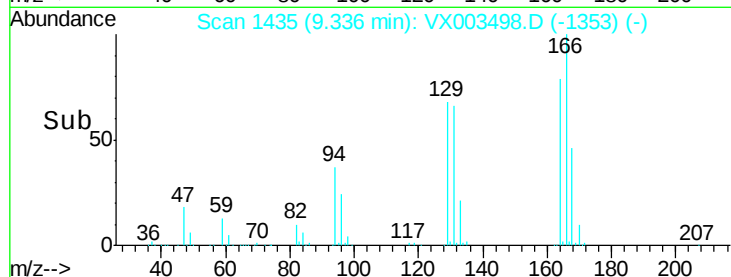
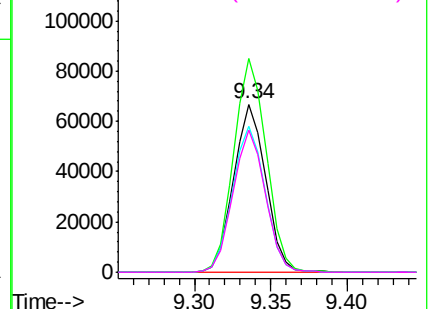


Abundance Ion 163.85 (163.55 to 164.55): V

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: 17.96 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003498.D

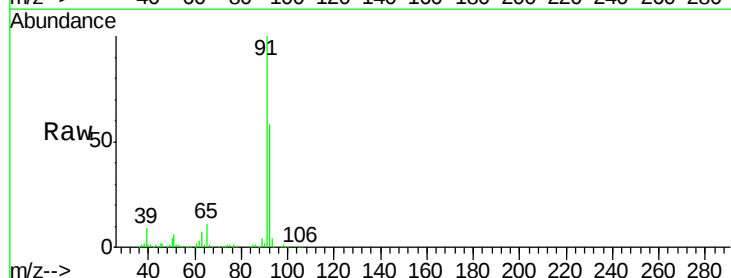
Acq: 20 Jul 2018 09:20

Tgt Ion: 91 Resp: 311834

Ion Ratio Lower Upper

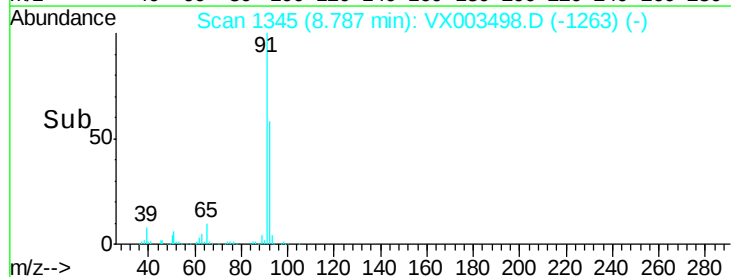
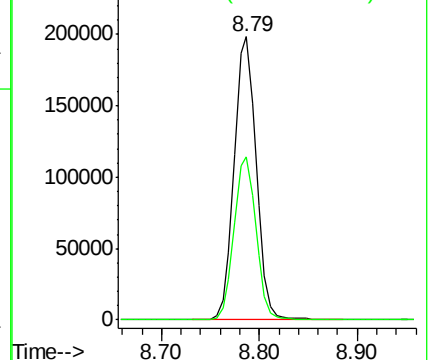
91 100

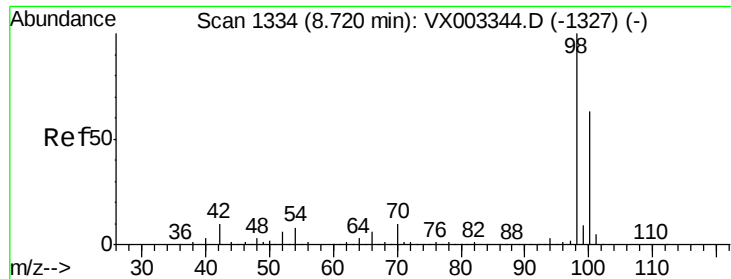
92 57.6 46.5 69.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.91 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 420889

Ion Ratio Lower Upper

98 100

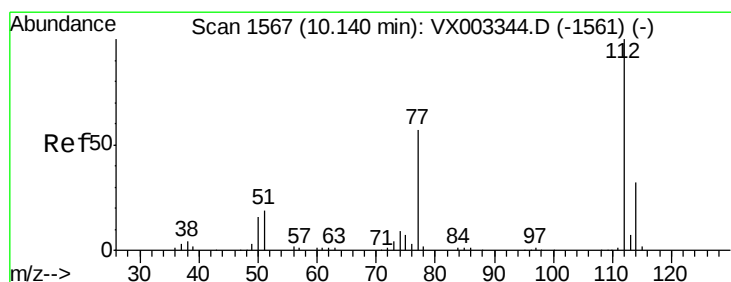
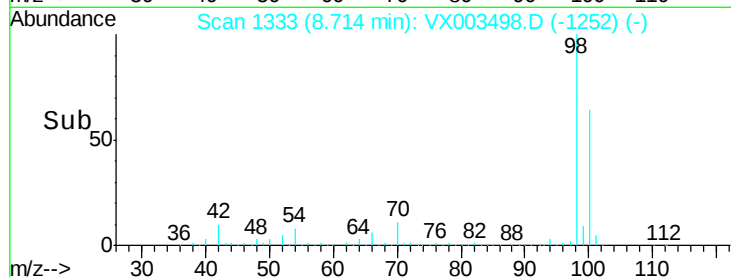
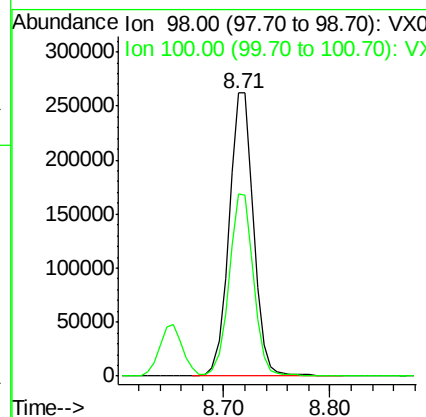
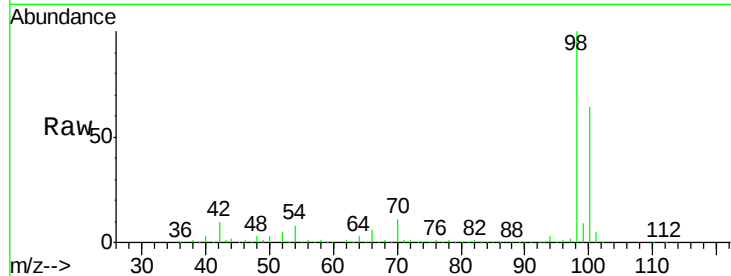
100 64.3 50.8 76.2

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#64

Chlorobenzene

Concen: 18.08 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX003498.D

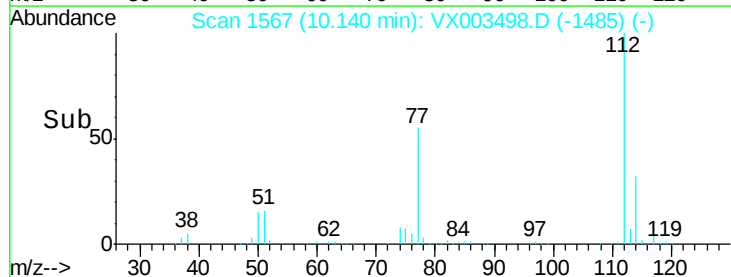
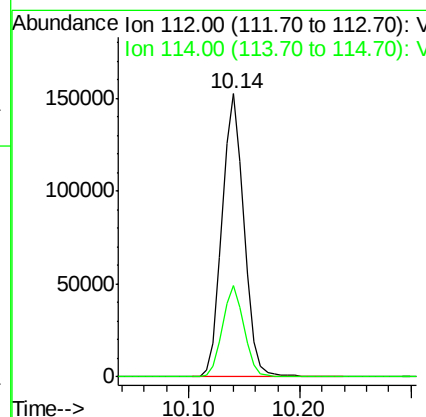
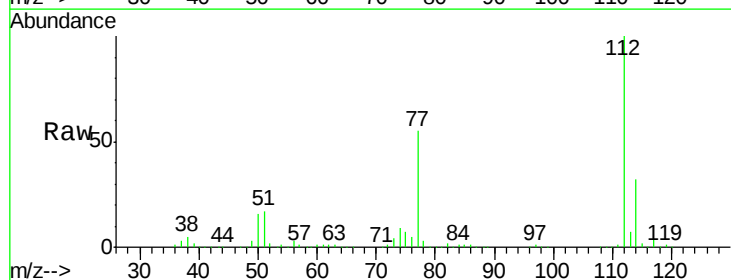
Acq: 20 Jul 2018 09:20

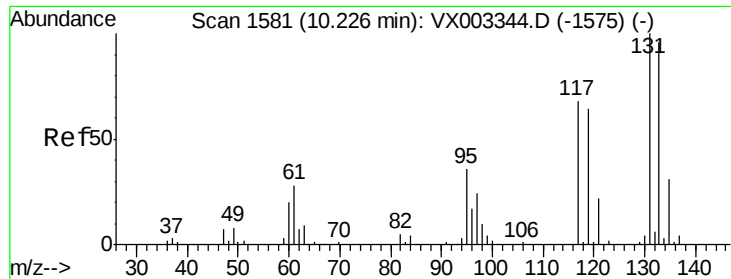
Tgt Ion: 112 Resp: 207849

Ion Ratio Lower Upper

112 100

114 32.3 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 17.80 ug/l

RT: 10.22 min Scan# 1580

Delta R.T. -0.01 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

Instrument :

MSVOA_X

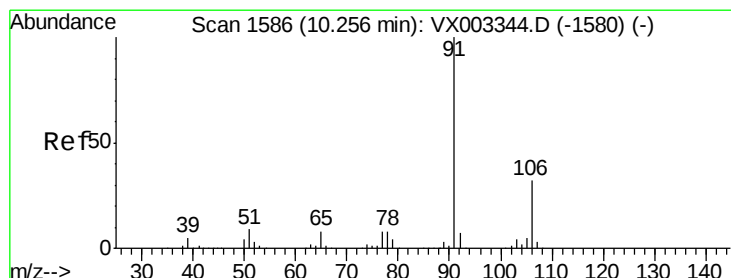
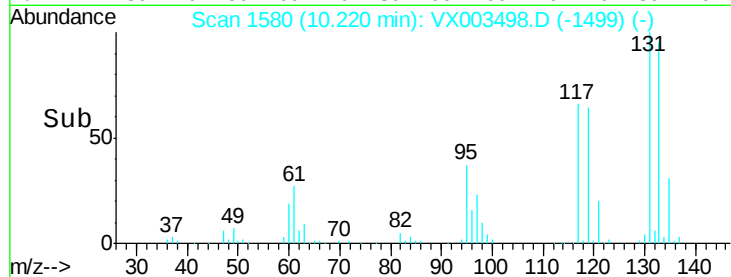
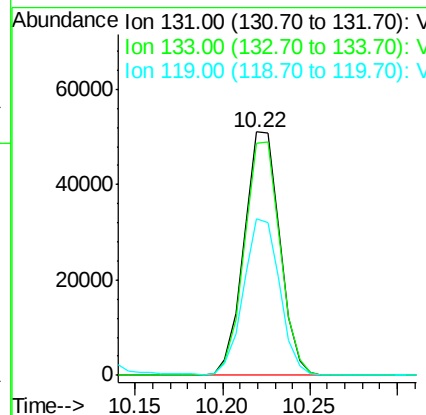
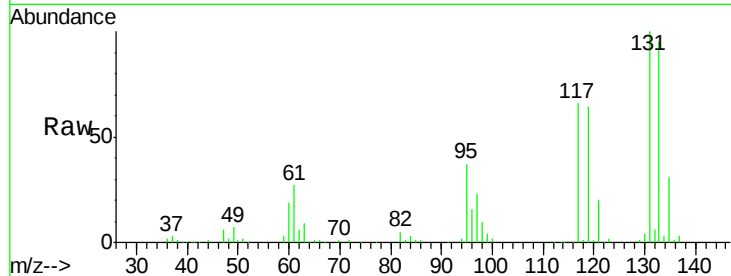
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	72582
Ion	Ratio	Lower	Upper
131	100		
133	95.8	0.0	191.2
119	64.8	0.0	125.4

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#66

Ethyl Benzene

Concen: 17.73 ug/l

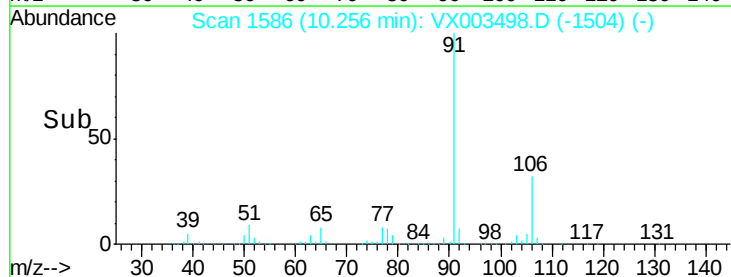
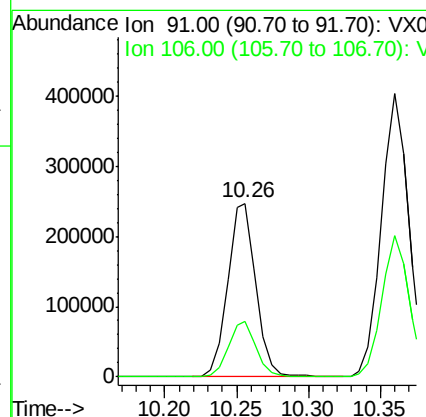
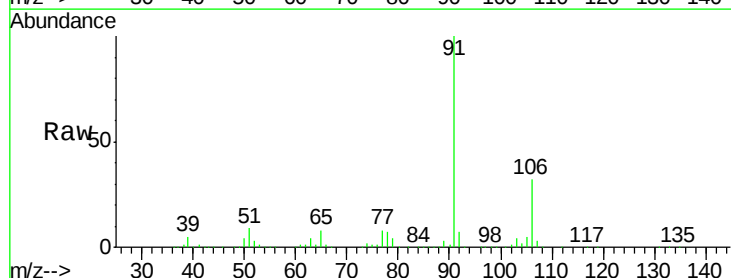
RT: 10.26 min Scan# 1586

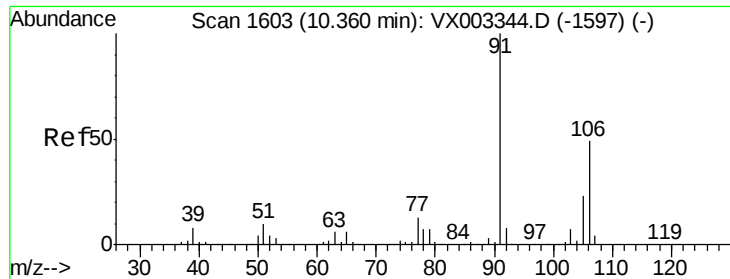
Delta R.T. -0.00 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

Tgt Ion:	91	Resp:	340226
Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.2	37.8





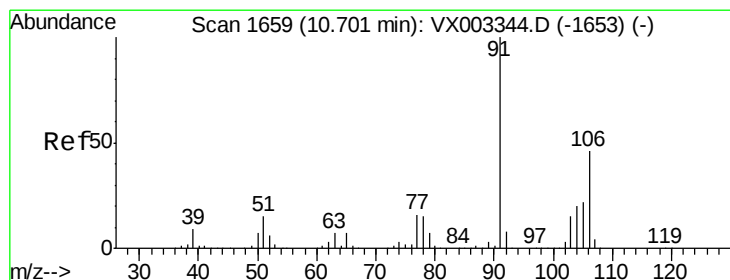
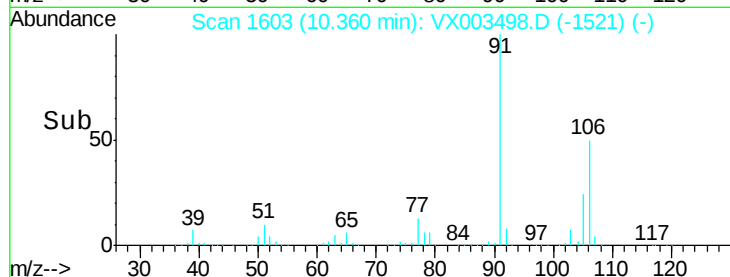
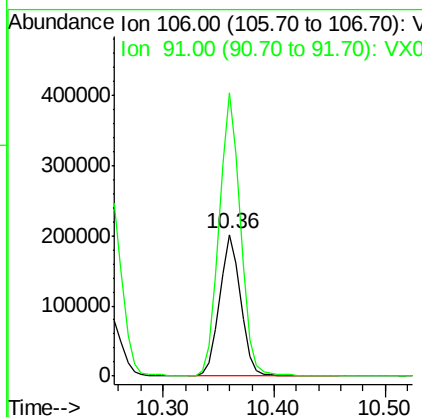
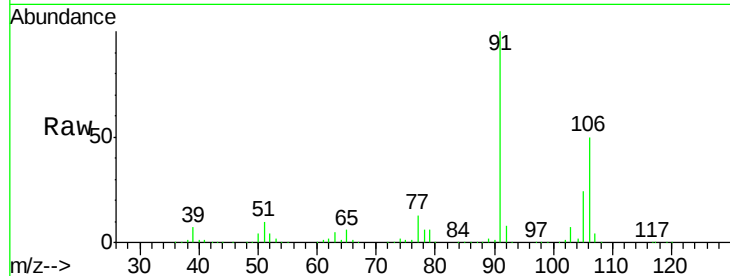
#67
m/p-Xvlenes
Concen: 35.67 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:106 Resp: 266339
Ion Ratio Lower Upper
106 100
91 200.2 164.1 246.1

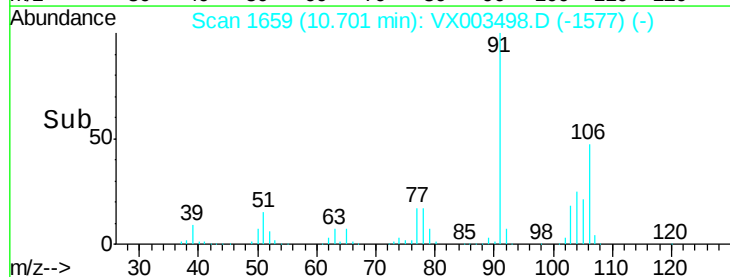
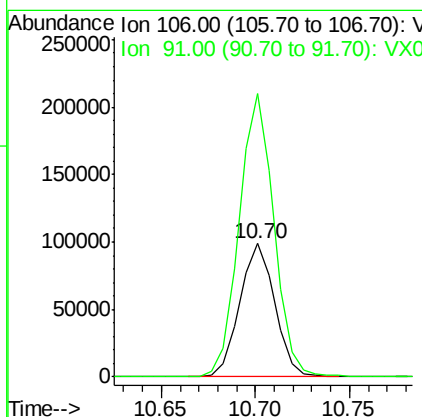
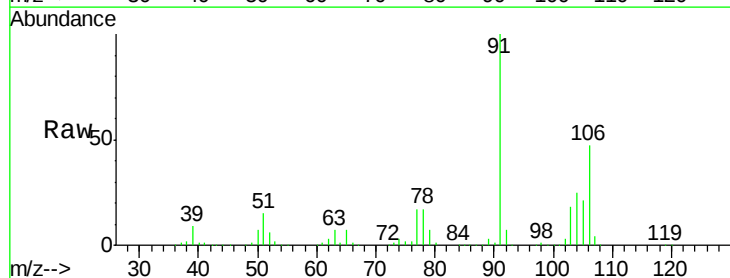
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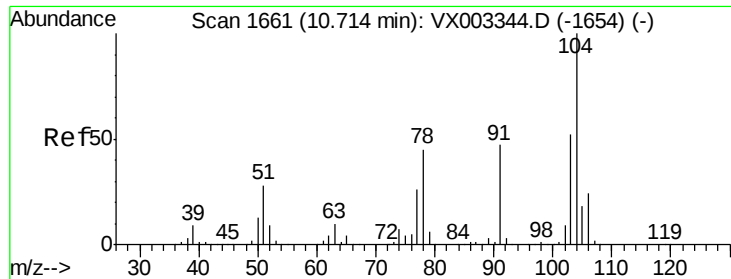
MMDadoda
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#68
o-Xylene
Concen: 17.73 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Tgt Ion:106 Resp: 127408
Ion Ratio Lower Upper
106 100
91 209.8 109.1 327.3





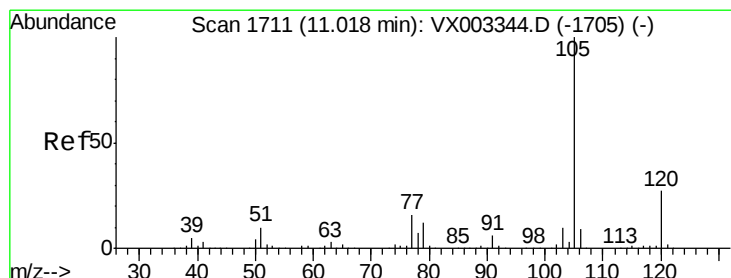
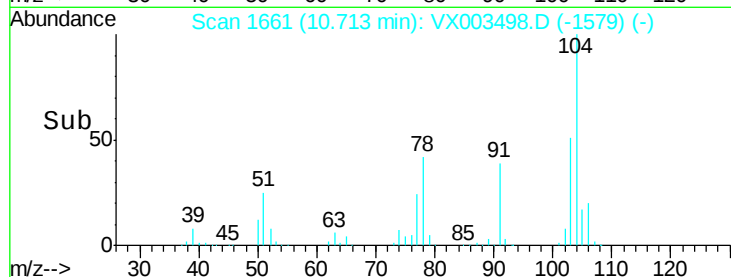
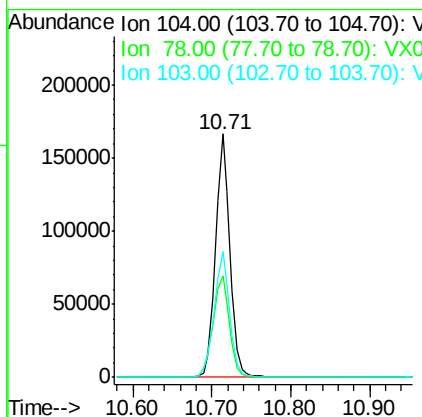
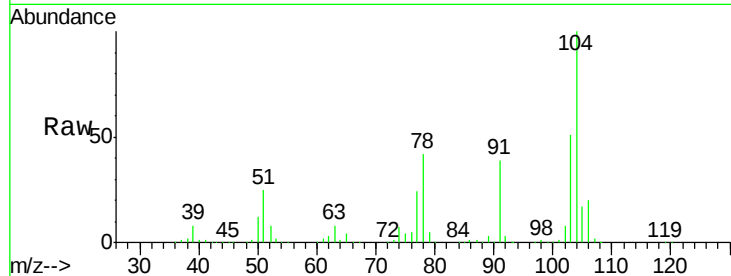
#69
Stvrene
Concen: 17.82 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.5	41.8	62.8
103	55.6	44.9	67.3

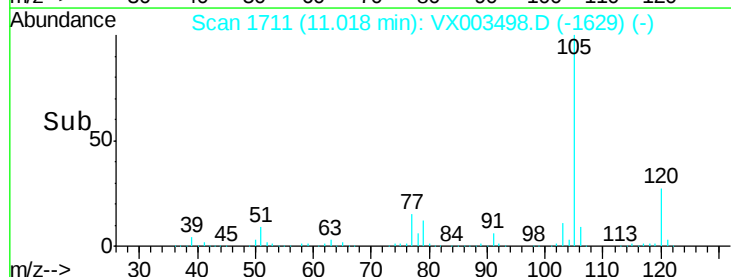
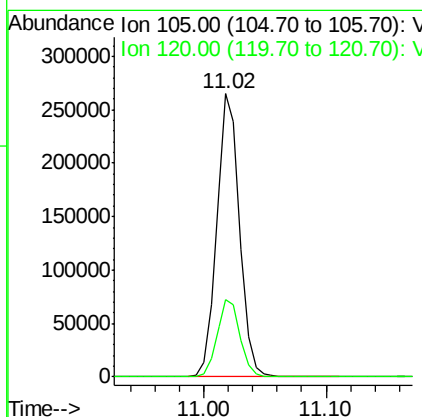
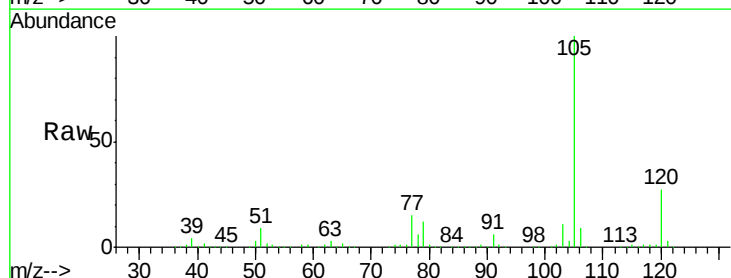
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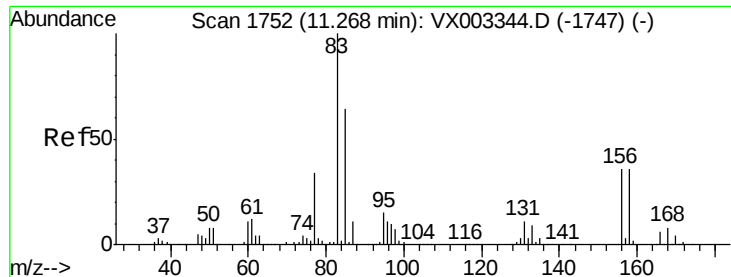
MMDadoda
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#70
Isopropylbenzene
Concen: 17.98 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.5	19.0	35.2





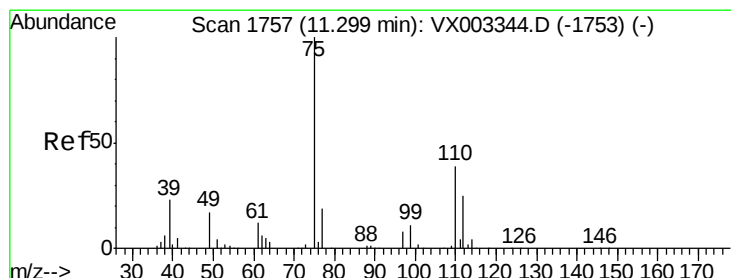
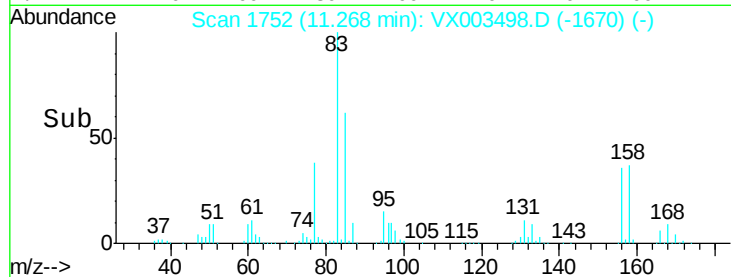
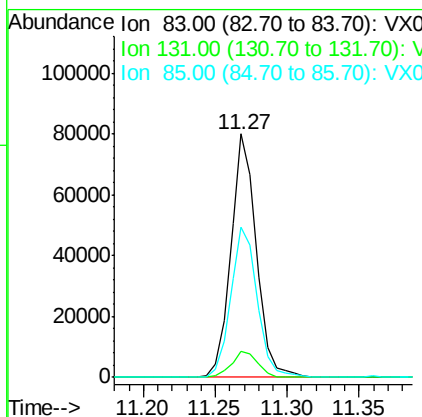
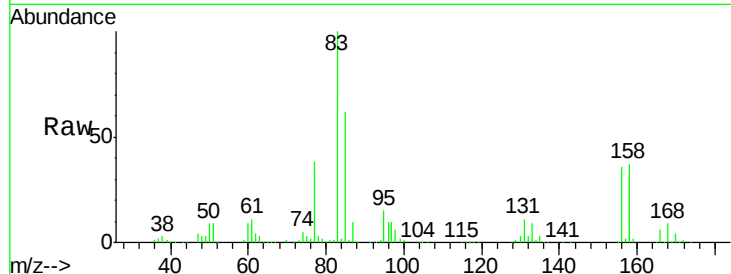
#71
 1,1,2,2-Tetrachloroethane
 Concen: 16.65 ug/l
 RT: 11.27 min Scan# 1752
 Delta R.T. -0.00 min
 Lab File: VX003498.D
 Acq: 20 Jul 2018 09:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	11.1	5.4	16.2	
85	64.3	32.4	97.2	

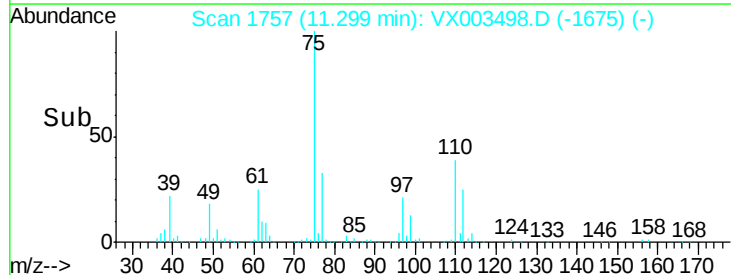
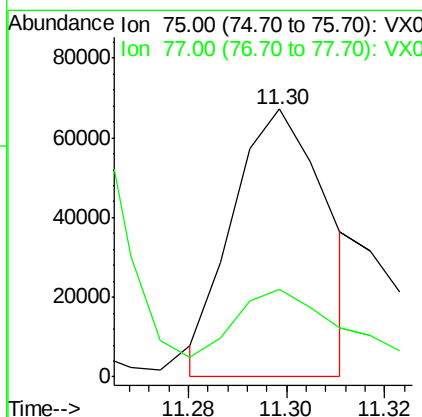
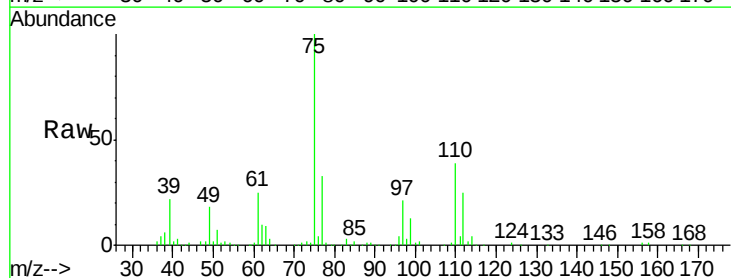
Manual Integrations
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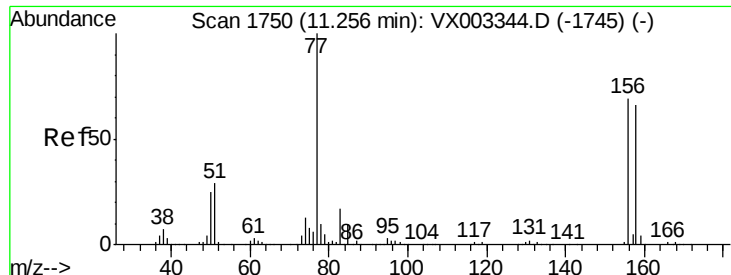
MMDadoda
 7/23/2018 12:34:32 PM



#72
 1,2,3-Trichloropropane
 Concen: 12.75 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VX003498.D
 Acq: 20 Jul 2018 09:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	41.6	0.0	71.8	





#73

Bromobenzene

Concen: 18.03 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

Instrument :

MSVOA_X

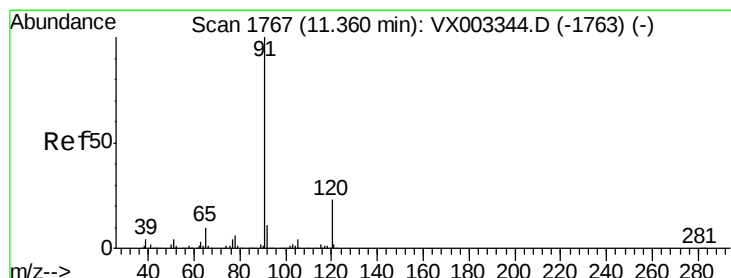
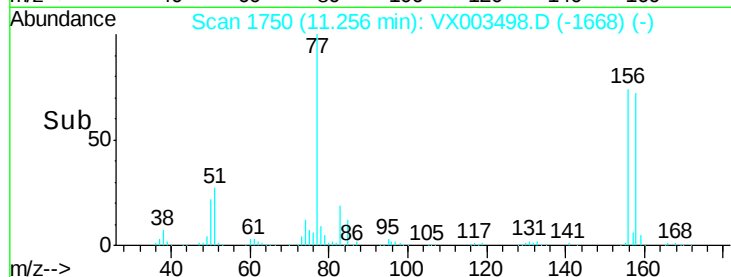
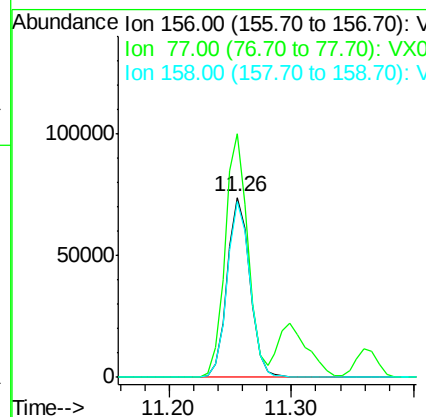
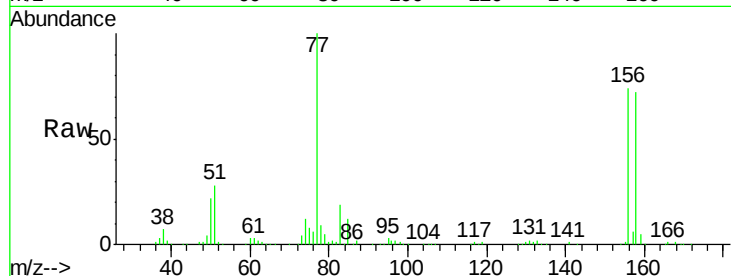
ClientSampleId :

VSTDCCC020

Tot Ion:	156	Resp:	95454
Ion Ratio	Lower	Upper	
156	100		
77	135.7	0.0	301.0
158	97.7	0.0	196.2

Manual Integrations
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#74

n-propylbenzene

Concen: 17.86 ug/l

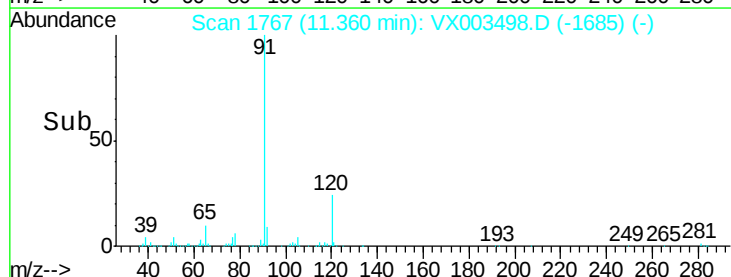
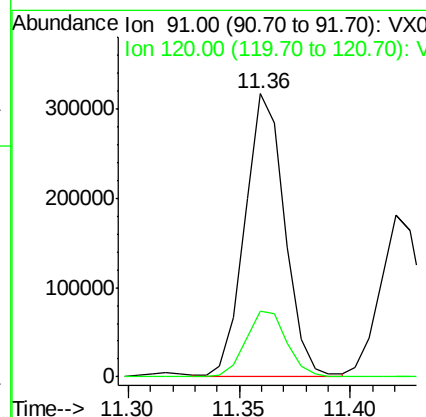
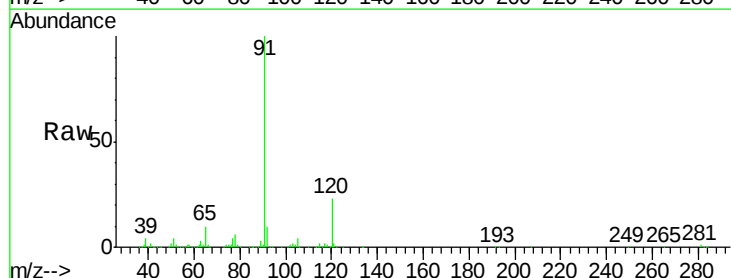
RT: 11.36 min Scan# 1767

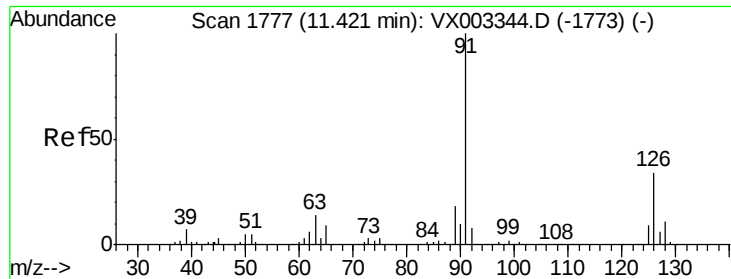
Delta R.T. -0.00 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

Tgt Ion:	91	Resp:	396222
Ion Ratio	Lower	Upper	
91	100		
120	23.9	0.0	46.2





#75

2-Chlorotoluene

Concen: 17.68 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 234677

Ion Ratio Lower Upper

91 100

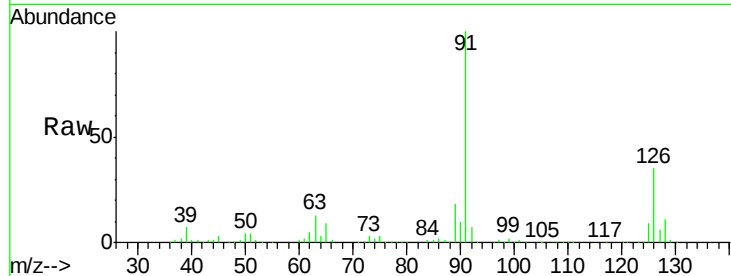
126 36.3 0.0 69.4

Manual Integrations

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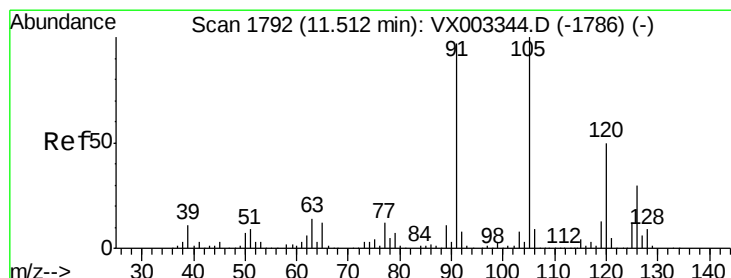
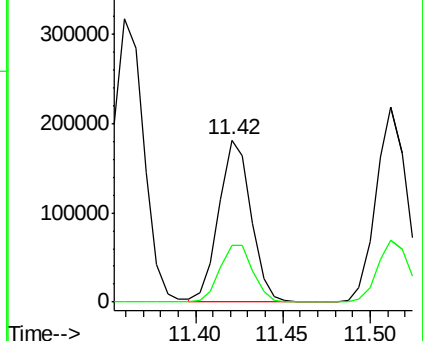
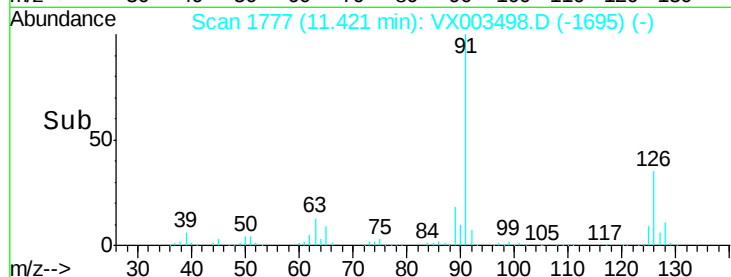
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 17.84 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003498.D

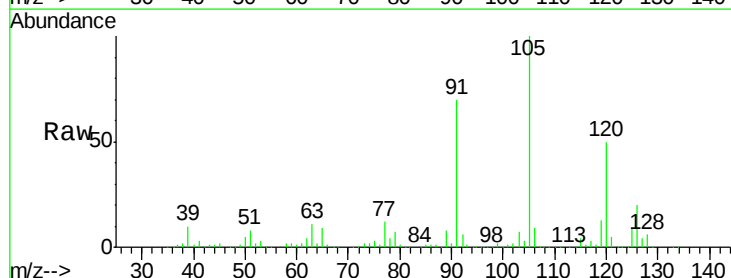
Acq: 20 Jul 2018 09:20

Tgt Ion: 105 Resp: 287643

Ion Ratio Lower Upper

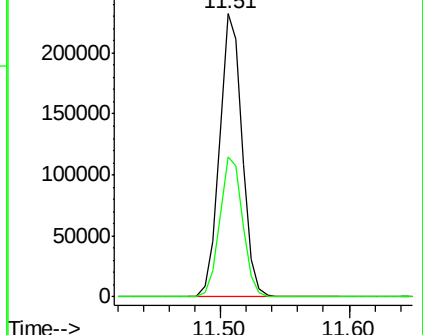
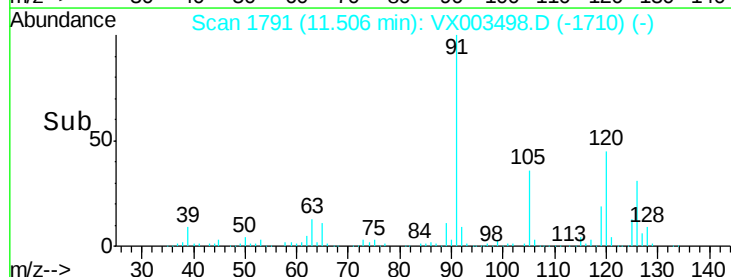
105 100

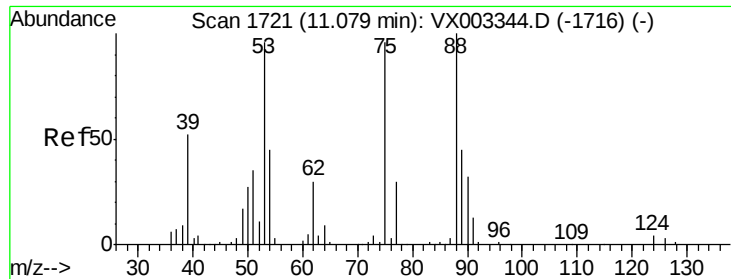
120 50.2 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 15.92 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.01 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

Instrument :

MSVOA_X

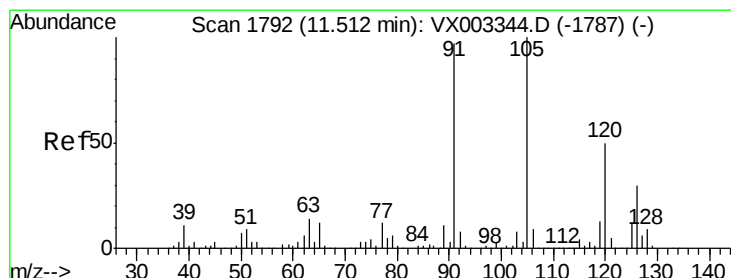
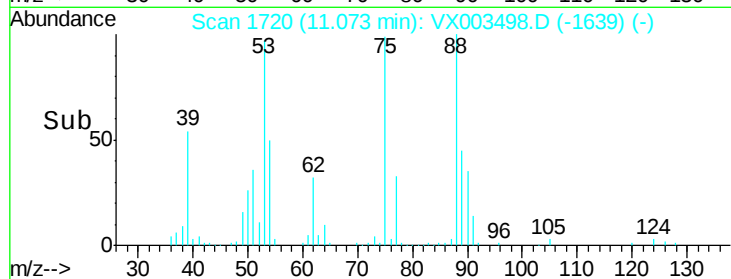
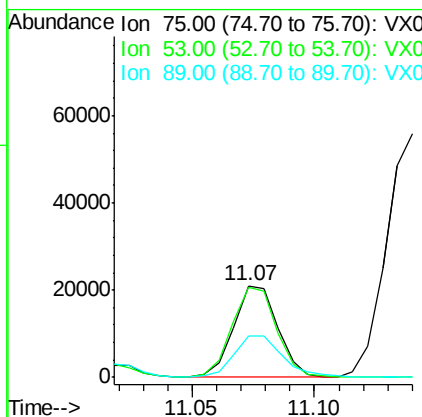
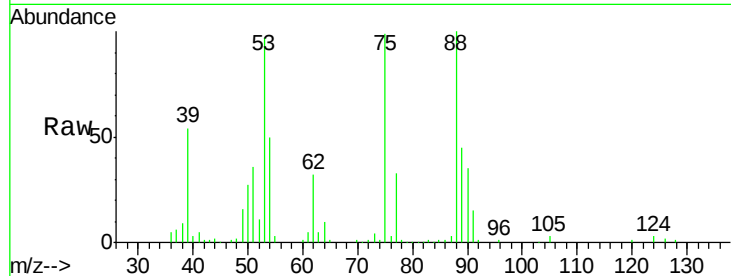
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	26573
Ion	Ratio	Lower	Upper
75	100		
53	97.7	48.3	144.9
89	45.6	21.8	65.4

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#78

4-Chlorotoluene

Concen: 17.43 ug/l

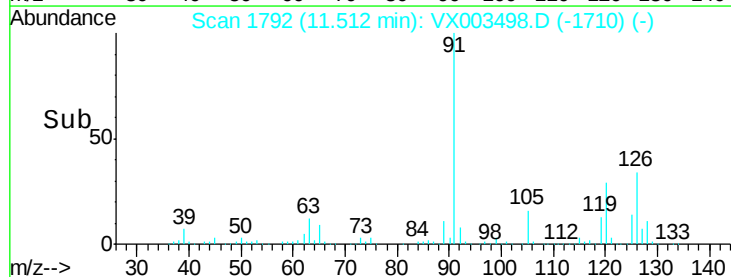
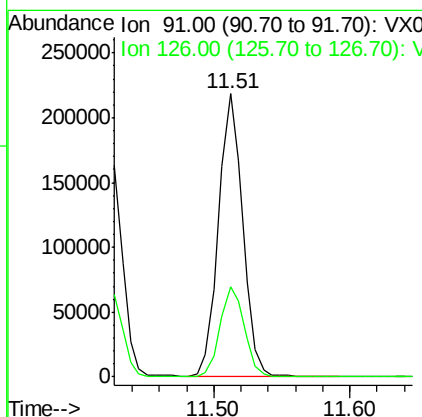
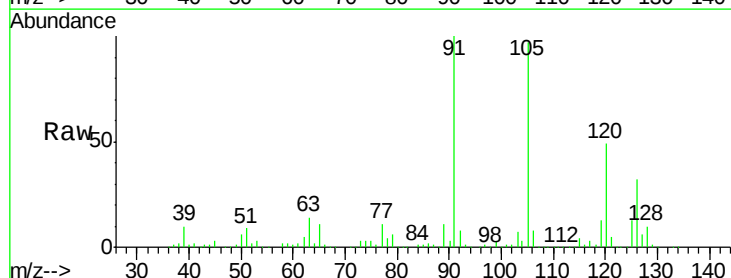
RT: 11.51 min Scan# 1792

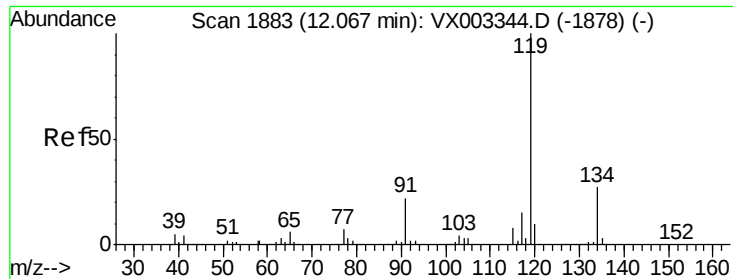
Delta R.T. -0.00 min

Lab File: VX003498.D

Acq: 20 Jul 2018 09:20

Tgt Ion:	91	Resp:	270181
Ion	Ratio	Lower	Upper
91	100		
126	32.2	0.0	61.0





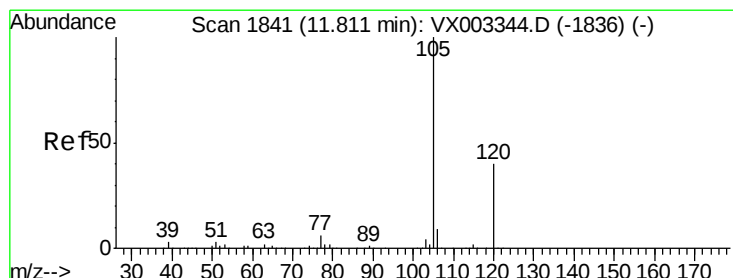
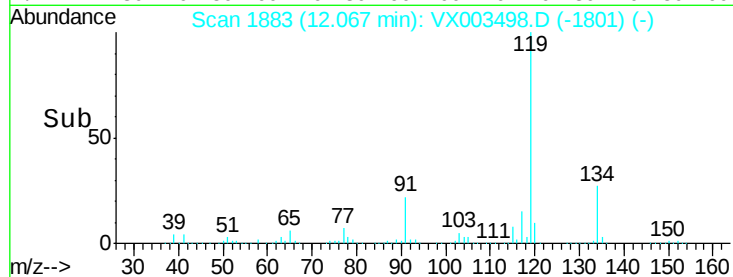
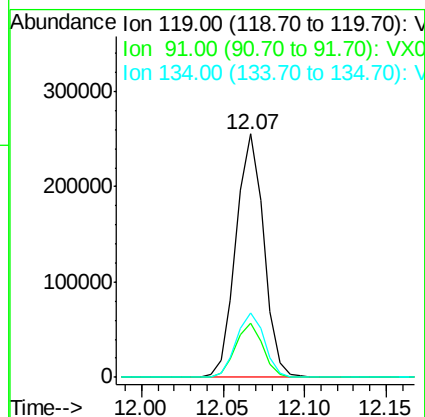
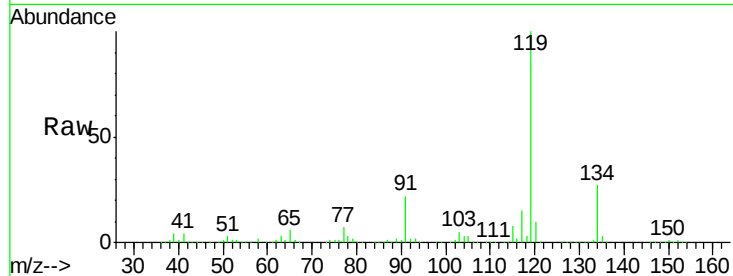
#79
tert-butylbenzene
Concen: 17.77 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	303328		
91	21.8	0.0	48.0	
134	27.1	0.0	52.6	

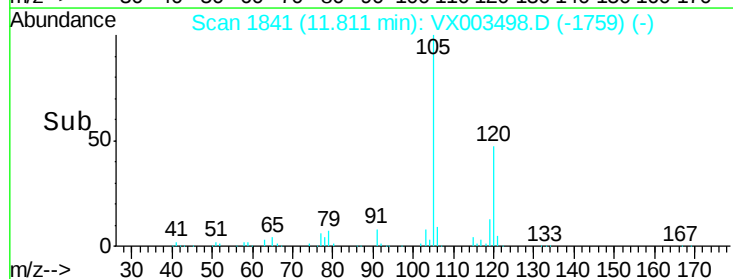
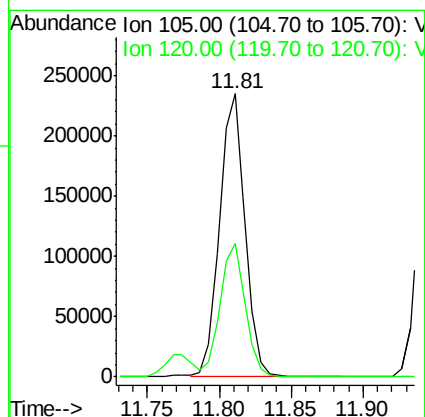
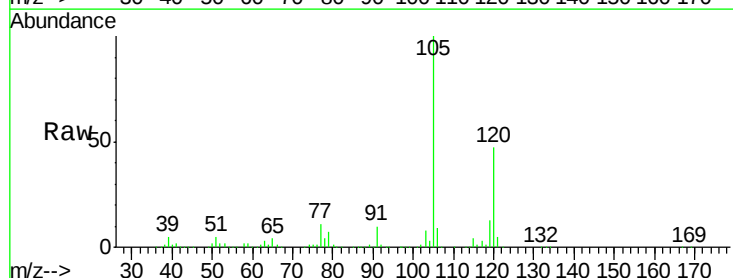
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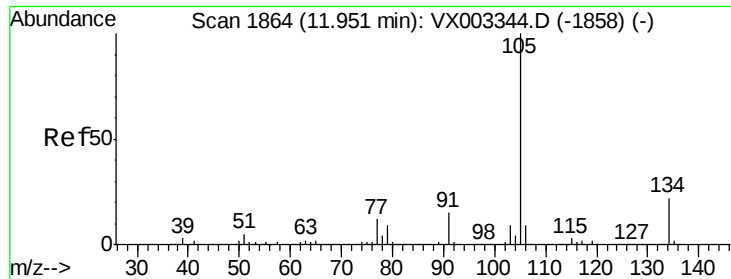
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 17.78 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	291262		
120	46.7	0.0	89.2	





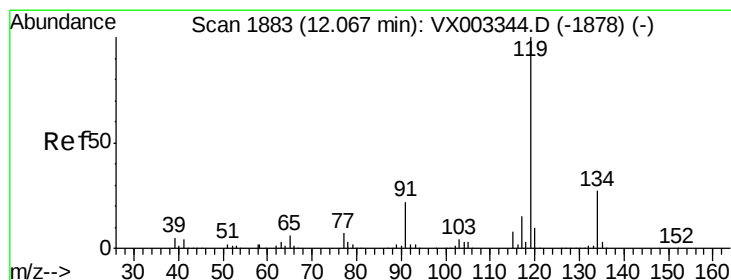
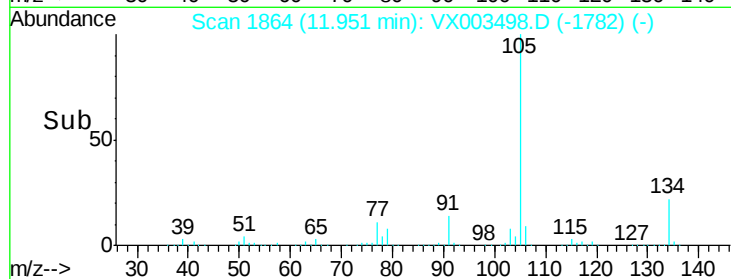
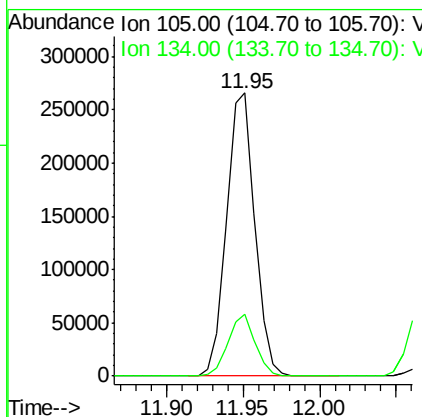
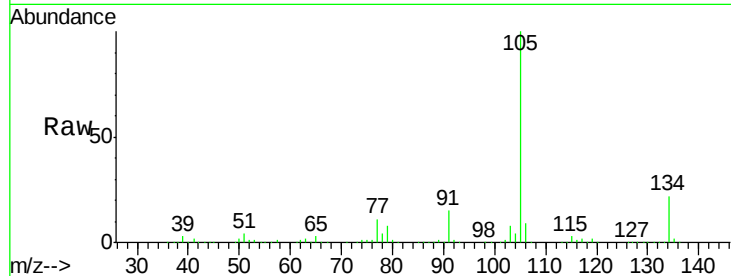
#81
 sec-Butylbenzene
 Concen: 17.78 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX003498.D
 Acq: 20 Jul 2018 09:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion:105 Resp: 339045
 Ion Ratio Lower Upper
 105 100
 134 20.9 0.0 41.6

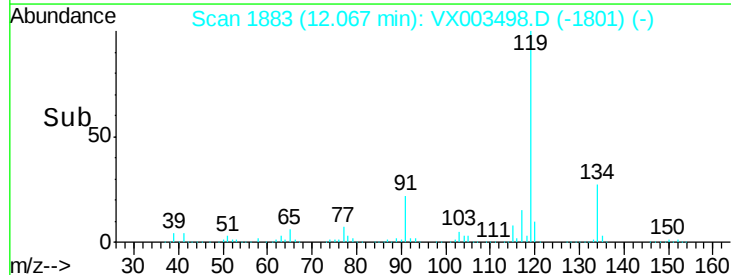
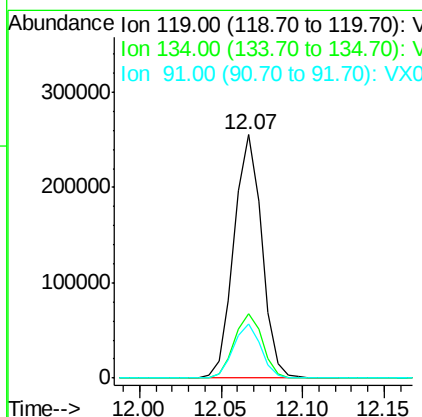
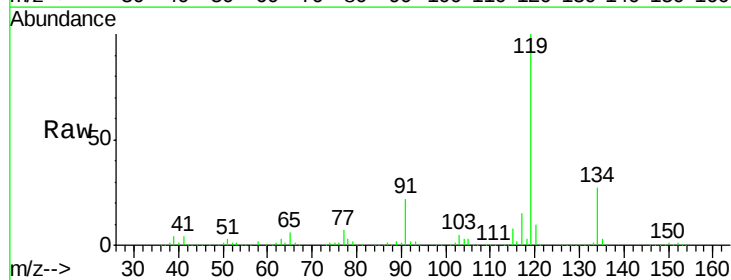
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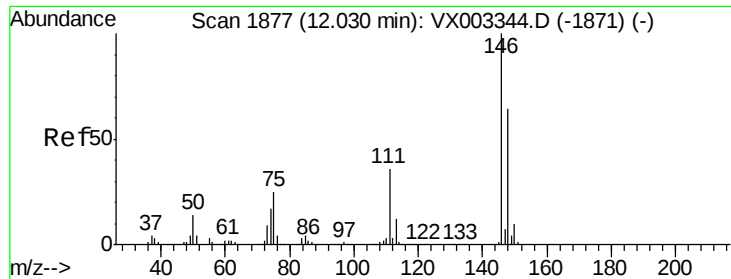
MMDadoda
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#82
 p-Isopropyltoluene
 Concen: 17.77 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX003498.D
 Acq: 20 Jul 2018 09:20

Tgt Ion:119 Resp: 303328
 Ion Ratio Lower Upper
 119 100
 134 27.1 0.0 52.6
 91 21.8 0.0 48.0





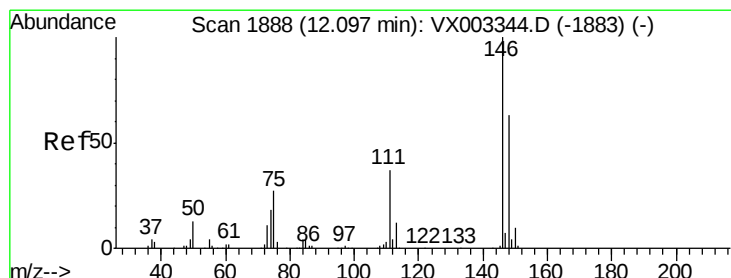
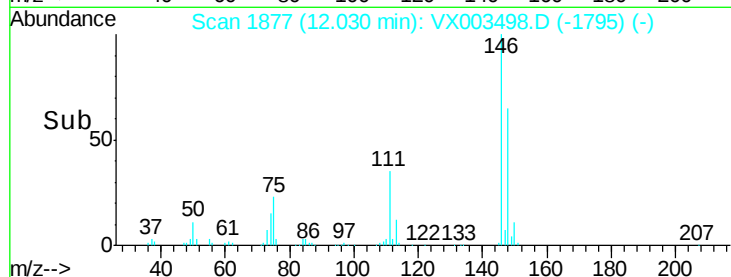
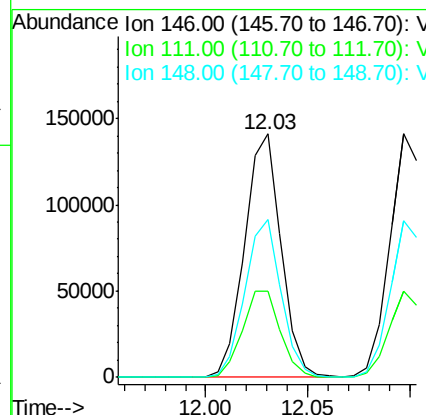
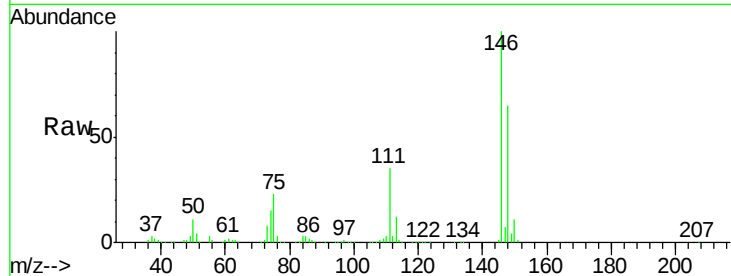
#83
 1,3-Dichlorobenzene
 Concen: 17.83 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003498.D
 Acq: 20 Jul 2018 09:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	19.1	57.5
148	64.4	31.9	95.7

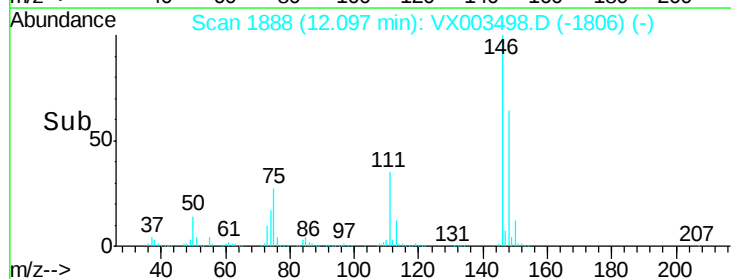
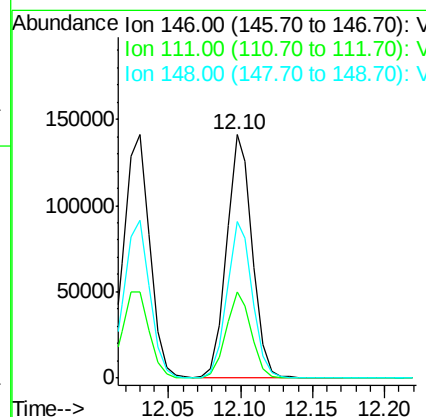
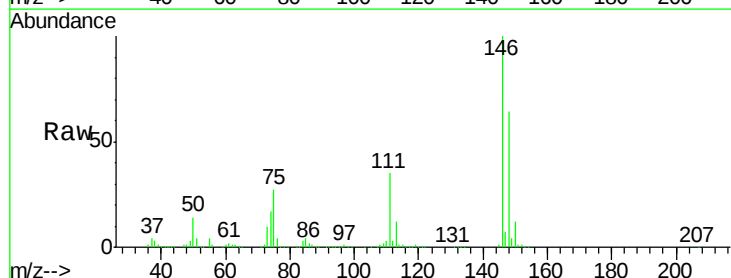
Manual Integrations
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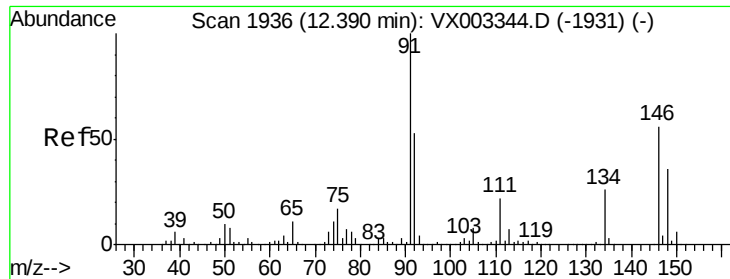
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#84
 1,4-Dichlorobenzene
 Concen: 17.86 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX003498.D
 Acq: 20 Jul 2018 09:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.8	18.5	55.5
148	64.0	32.0	96.0





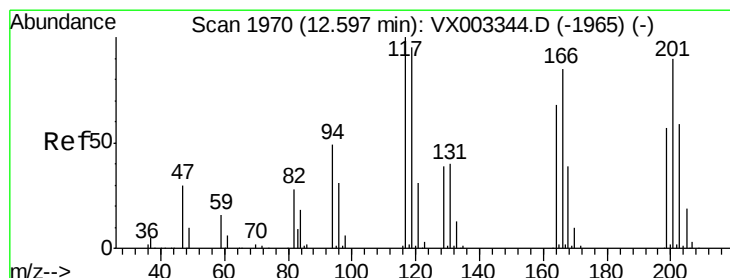
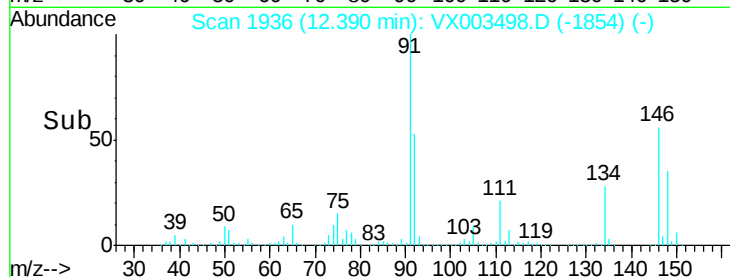
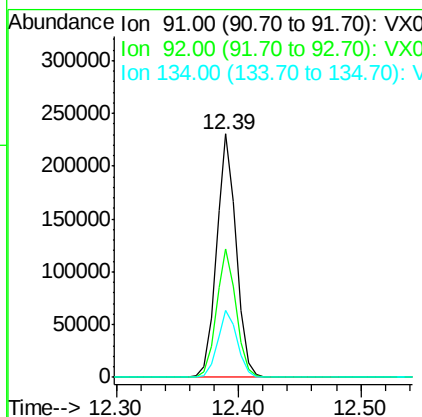
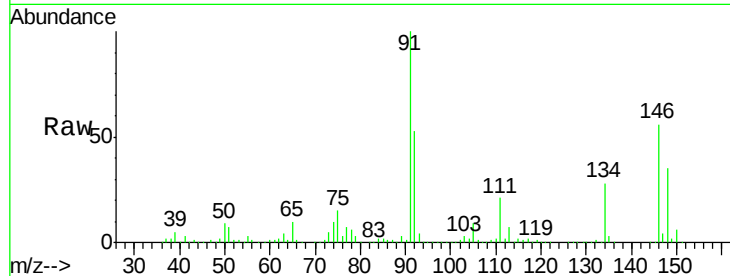
#85
n-Butylbenzene
Concen: 17.22 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	258096		
92	52.9		0.0	105.2
134	27.6		0.0	53.2

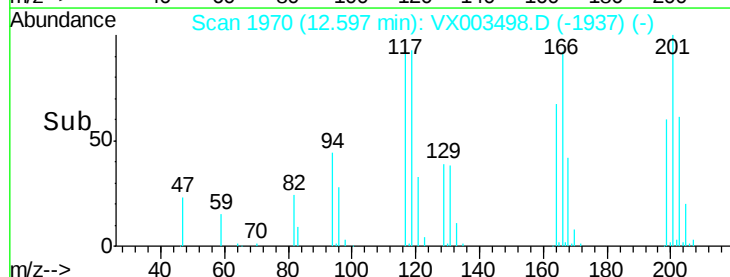
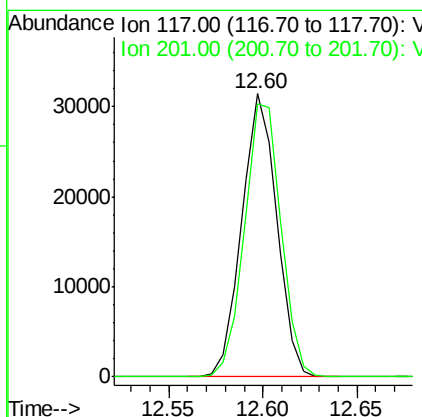
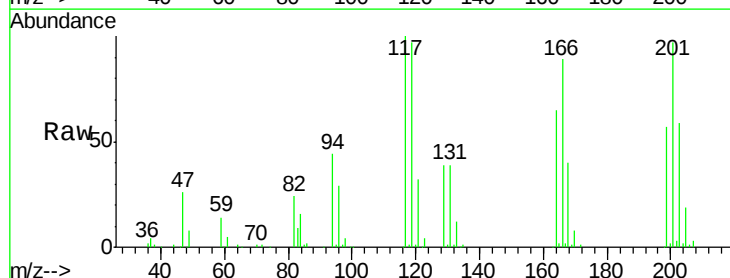
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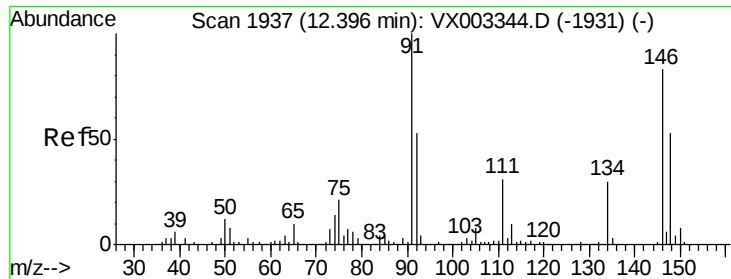
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#86
Hexachloroethane
Concen: 16.14 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	40566		
201	100.6		47.6	142.8





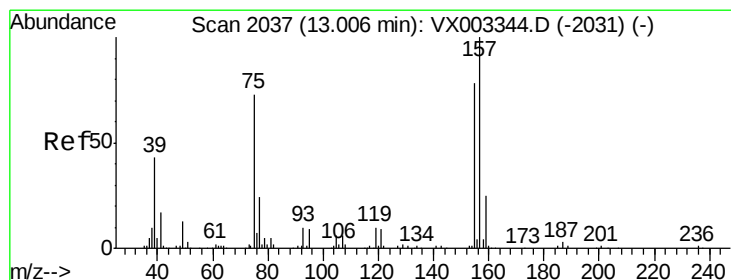
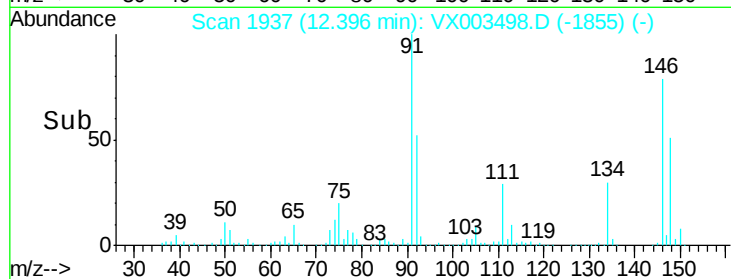
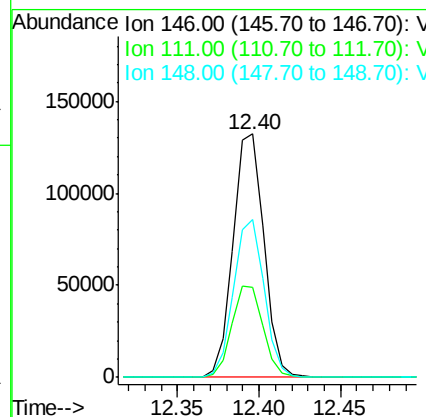
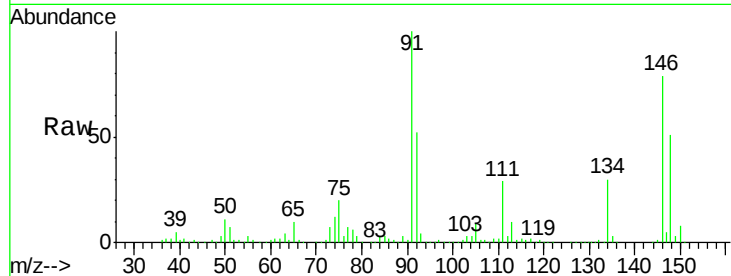
#87
 1,2-Dichlorobenzene
 Concen: 17.74 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003498.D
 Acq: 20 Jul 2018 09:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	20.0	59.9
148	64.3	32.8	98.3

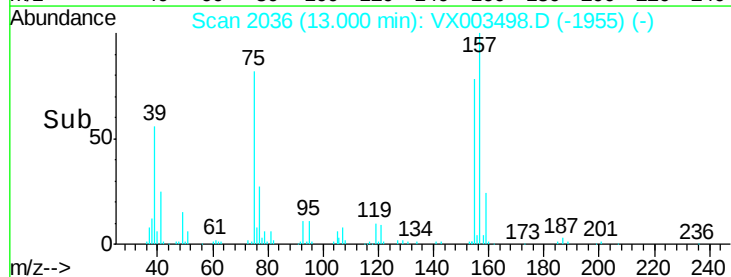
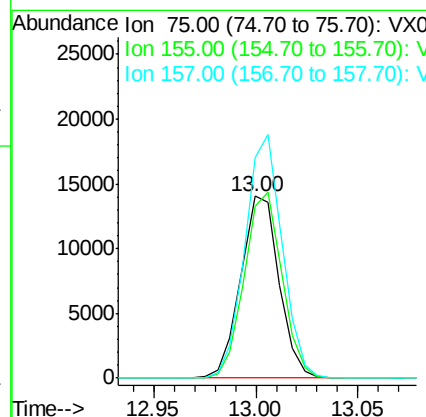
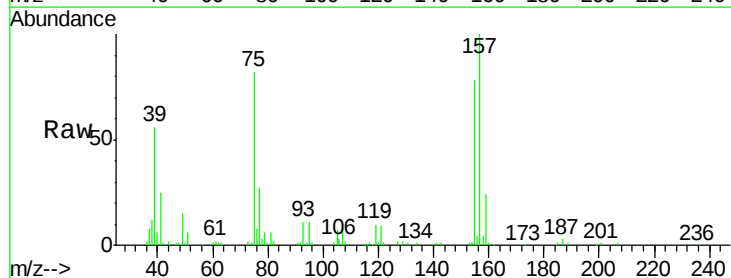
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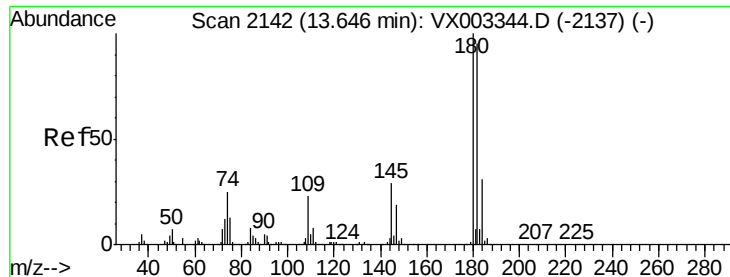
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 14.77 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VX003498.D
 Acq: 20 Jul 2018 09:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.4	73.1	109.7
157	130.0	93.1	139.7





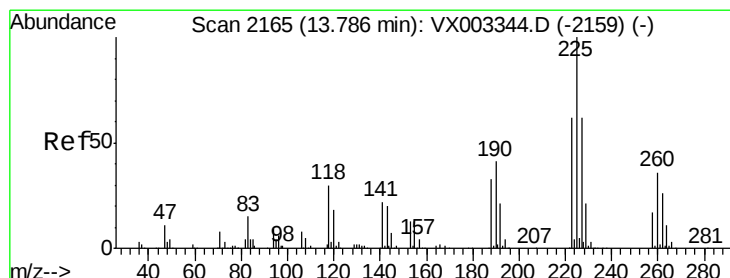
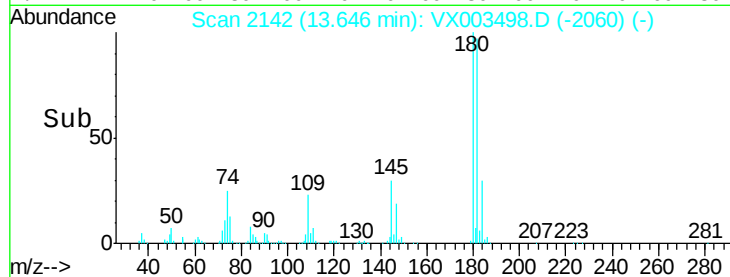
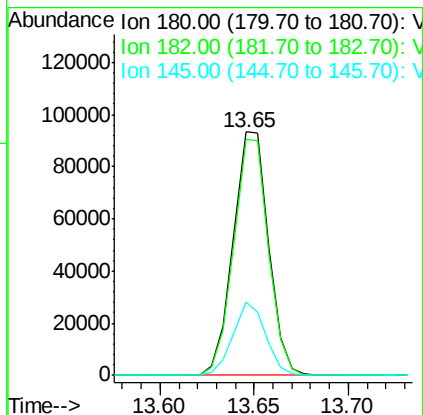
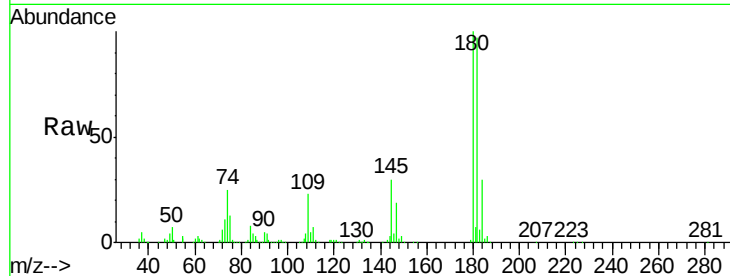
#89
 1,2,4-Trichlorobenzene
 Concen: 17.22 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX003498.D
 Acq: 20 Jul 2018 09:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.4	114.6
145	28.1	22.9	34.3

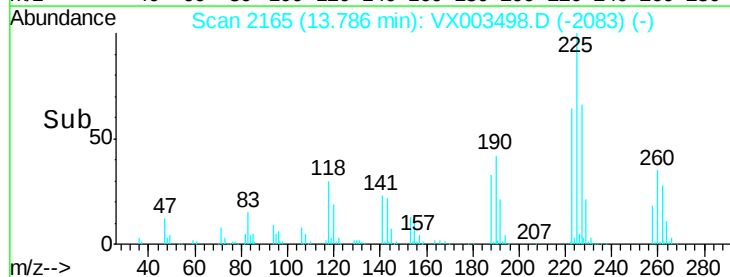
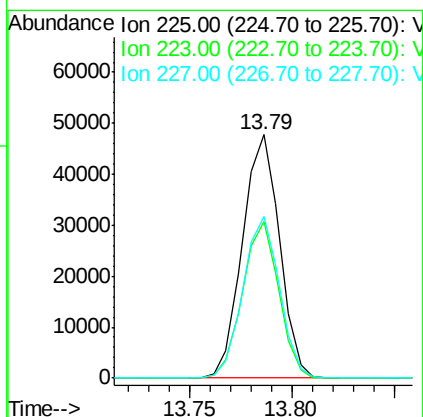
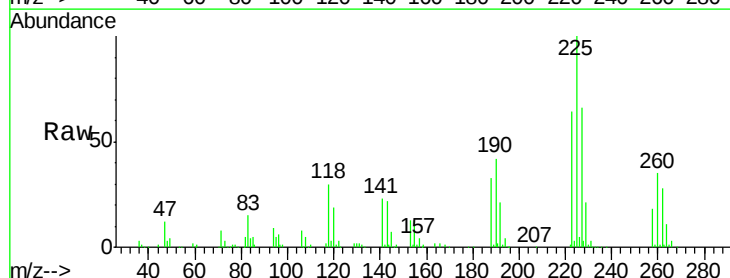
Manual Integrations
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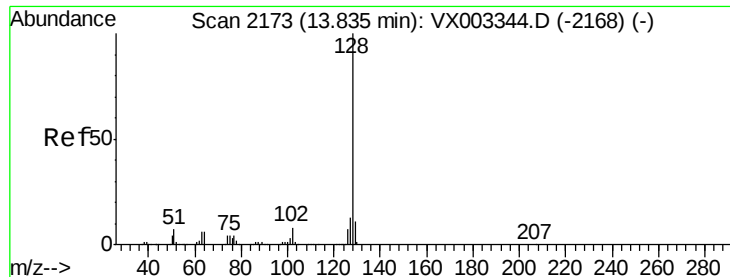
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#90
 Hexachlorobutadiene
 Concen: 17.46 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003498.D
 Acq: 20 Jul 2018 09:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	0.0	122.4
227	65.3	0.0	128.0





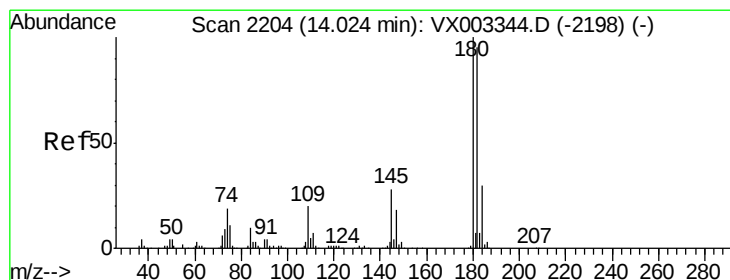
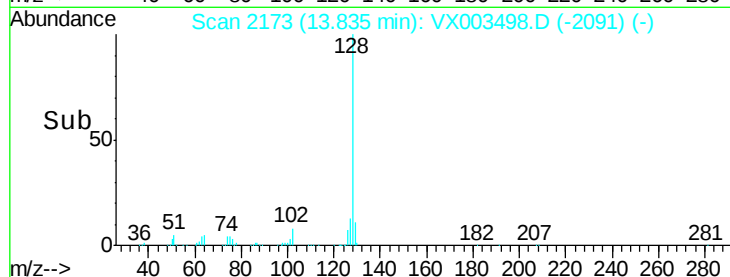
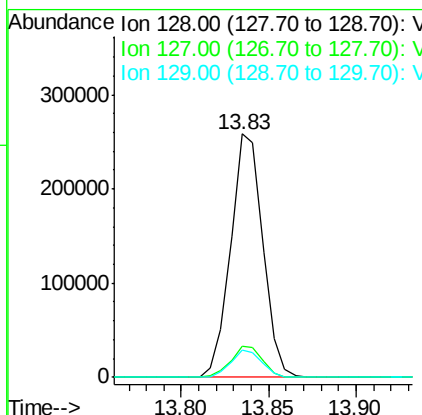
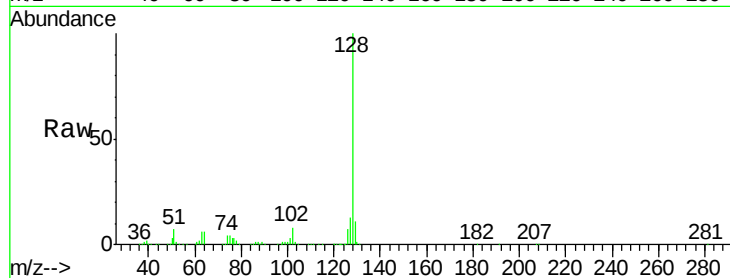
#91
Naphthalene
Concen: 16.24 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.9	13.3

Manual Integrations
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7/23/2018 12:34:32 PM



#92
1,2,3-Trichlorobenzene
Concen: 17.13 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX003498.D
Acq: 20 Jul 2018 09:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	0.0	191.0
145	29.7	0.0	60.6

