

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001805.D
 Acq On : 18 May 2018 03:47
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/21/2018 2:40:32 PM

Quant Time: May 18 06:56:28 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X051818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 18 06:08:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	60623	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	247430	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	198847	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	115364	26.80	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	89.33%
60) 4-Bromofluorobenzene	11.14	95	85152	27.44	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.47%
63) Toluene-d8	8.72	98	303391	33.36	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	111.20%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	7911	3.04	ug/l	97
3) Chloromethane	1.32	50	15696	4.96	ug/l	97
4) Vinyl Chloride	1.40	62	12780	4.00	ug/l	99
5) Bromomethane	1.64	94	8583	5.32	ug/l	95
6) Chloroethane	1.72	64	10173	4.69	ug/l	97
7) Trichlorofluoromethane	1.93	101	14660	3.32	ug/l	100
8) Diethyl Ether	2.19	74	10337	4.95	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	8827	3.61	ug/l	96
10) 1,1-Dichloroethene	2.37	96	10222	3.92	ug/l	92
11) Methyl Iodide	2.51	142	12267	3.15	ug/l	94
12) Methyl Acetate	2.78	43	22641	4.75	ug/l	99
13) Acrolein	2.29	56	16436	29.79	ug/l	98
14) Acrylonitrile	3.15	53	46469	24.68	ug/l	99
15) Acetone	2.45	58	12522	24.66	ug/l	95
16) Carbon Disulfide	2.57	76	24133	3.71	ug/l	99
17) Allyl chloride	2.73	41	22839	4.46	ug/l	96
18) Methylene Chloride	2.86	84	16374	5.06	ug/l	97
19) trans-1,2-Dichloroethene	3.17	96	12441	4.29	ug/l	98
20) Diisopropyl ether	3.87	45	48264	4.87	ug/l	92
21) 1,1-Dichloroethane	3.70	63	25607	4.62	ug/l	98
22) cis-1,2-Dichloroethene	4.60	96	15688	4.66	ug/l	94
23) tert-Butyl Alcohol	3.08	59	19144	23.15	ug/l	# 100
24) Methyl tert-Butyl Ether	3.21	73	48494	4.86	ug/l	100
25) Chloroform	5.22	83	26868	4.66	ug/l	100
26) Cyclohexane	5.58	56	12639	3.28	ug/l	# 99
29) 1,1-Dichloropropene	5.80	75	13268	4.44	ug/l	97
30) 2-Butanone	4.71	43	59734	28.23	ug/l	99
31) 2,2-Dichloropropane	4.59	77	9338	3.83	ug/l	# 53
32) 1,1,1-Trichloroethane	5.49	97	18495	4.84	ug/l	98
33) Carbon Tetrachloride	5.78	117	14252	4.30	ug/l	91
34) Benzene	6.15	78	54411	5.43	ug/l	96
35) Methacrylonitrile	5.07	41	12949	5.67	ug/l	94
36) 1,2-Dichloroethane	6.20	62	22698	5.73	ug/l	97
37) Trichloroethene	7.22	130	15047	5.21	ug/l	97
38) Methylcyclohexane	7.46	83	12075	3.87	ug/l	98
39) 1,2-Dichloropropane	7.52	63	14964	5.88	ug/l	95
40) Dibromomethane	7.67	93	10583	5.80	ug/l	99

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
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 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

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Quant Time: May 18 06:56:28 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X051818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 18 06:08:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	17500	5.16	ug/l	99
42) Vinyl Acetate	3.82	43	195959	29.55	ug/l	99
43) Ethyl Acetate	4.87	43	23821	5.91	ug/l #	76
44) Isopropyl Acetate	6.48	43	32394	5.28	ug/l	98
45) 1,4-Dioxane	7.76	88	8160	113.31	ug/l	96
46) Methyl methacrylate	7.78	41	16363	4.97	ug/l	96
47) n-amyl Acetate	10.90	43	20294	4.04	ug/l	100
48) t-1,3-Dichloropropene	8.44	75	17384	4.68	ug/l	96
49) cis-1,3-Dichloropropene	9.05	75	14456	4.40	ug/l	97
50) 1,1,2-Trichloroethane	9.22	97	16116	6.08	ug/l	97
51) Ethyl methacrylate	9.19	69	19091	5.01	ug/l	97
52) 1,3-Dichloropropane	9.37	76	23583	5.43	ug/l	98
53) Dibromochloromethane	9.59	129	13156	4.81	ug/l	98
54) 1,2-Dibromoethane	9.68	107	14834	5.35	ug/l	97
55) 2-Chloroethyl vinyl ether	8.32	63	52149	25.18	ug/l	99
56) Bromoform	10.86	173	10230	4.54	ug/l #	95
58) 4-Methyl-2-Pentanone	8.66	43	111791	29.31	ug/l	99
59) 2-Hexanone	9.51	43	72942	26.41	ug/l	97
61) Tetrachloroethene	9.34	164	14220	5.02	ug/l	98
62) Toluene	8.79	91	55471	5.70	ug/l	99
64) Chlorobenzene	10.15	112	32979	5.29	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	12397	5.15	ug/l	99
66) Ethyl Benzene	10.26	91	43598	4.51	ug/l	97
67) m/p-Xylenes	10.37	106	34434	8.93	ug/l	99
68) o-Xylene	10.70	106	17816	4.63	ug/l	97
69) Styrene	10.72	104	27837	4.35	ug/l	100
70) Isopropylbenzene	11.02	105	41359	4.26	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	21213	6.09	ug/l	98
72) 1,2,3-Trichloropropane	11.30	75	19208m	5.69	ug/l	
73) Bromobenzene	11.26	156	15604	5.13	ug/l	98
74) n-propylbenzene	11.37	91	41558	3.92	ug/l	99
75) 2-Chlorotoluene	11.43	91	30246	4.48	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	33808	4.14	ug/l	98
77) t-1,4-Dichloro-2-butene	11.08	75	3200	3.80	ug/l	88
78) 4-Chlorotoluene	11.52	91	32456	4.24	ug/l	98
79) tert-butylbenzene	12.07	119	31684	3.72	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	33475	4.00	ug/l	99
81) sec-Butylbenzene	11.95	105	36345	3.89	ug/l	100
82) p-Isopropyltoluene	12.07	119	31684	3.72	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	23857	4.60	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	23295	4.47	ug/l	98
85) n-Butylbenzene	12.39	91	22354	3.33	ug/l	99
86) Hexachloroethane	12.60	117	5564	4.05	ug/l	95
87) 1,2-Dichlorobenzene	12.40	146	25997	4.79	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.01	75	3828	4.78	ug/l	96
89) 1,2,4-Trichlorobenzene	13.65	180	14647	3.86	ug/l	96
90) Hexachlorobutadiene	13.79	225	8166	4.27	ug/l	99
91) Naphthalene	13.84	128	45938	3.91	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	16871	4.15	ug/l	97

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

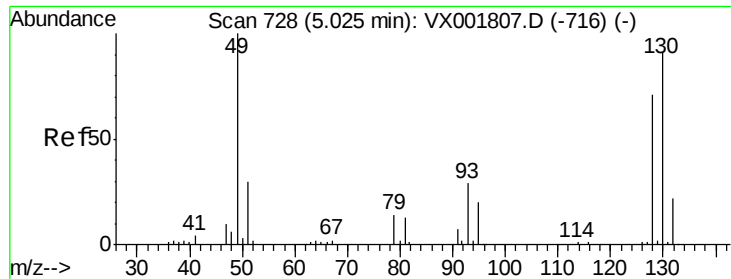
Manual Integrations
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5/21/2018 2:40:32 PM

Quant Time: May 18 06:56:28 2018
Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X051818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 18 06:08:30 2018
Response via : Initial Calibration

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



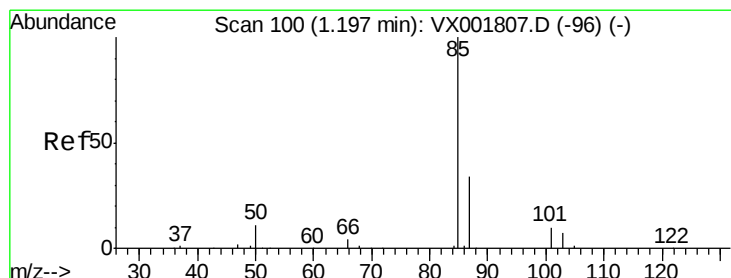
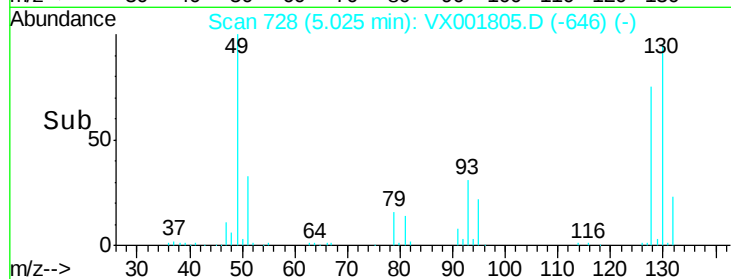
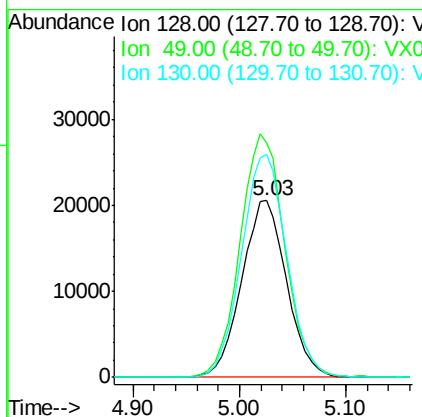
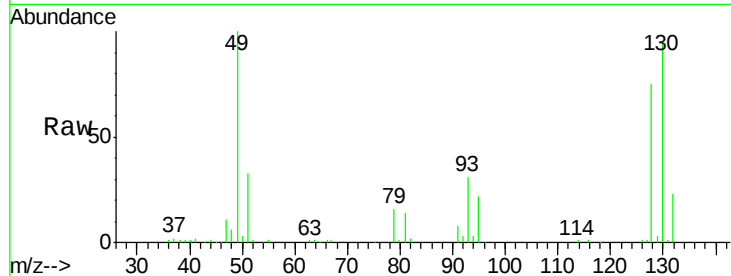
#1
 Bromochloromethane
 Concen: 30.00 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VX001805.D
 Acq: 18 May 2018 03:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
49	137.6	0.0	352.3
130	127.3	0.0	323.5

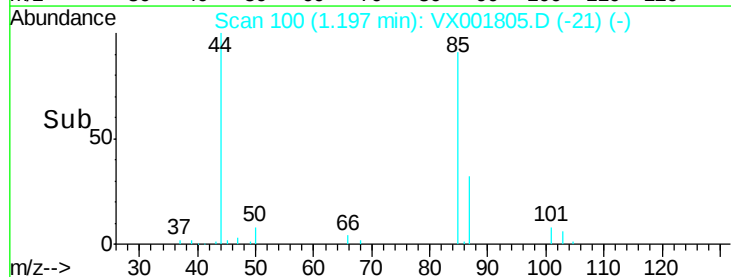
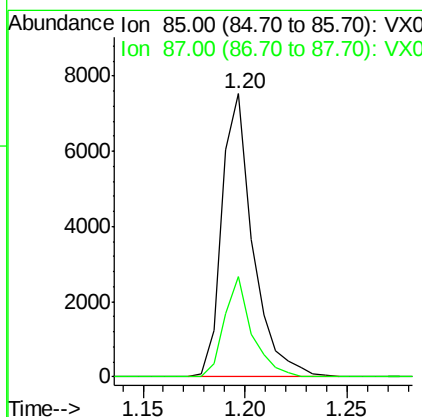
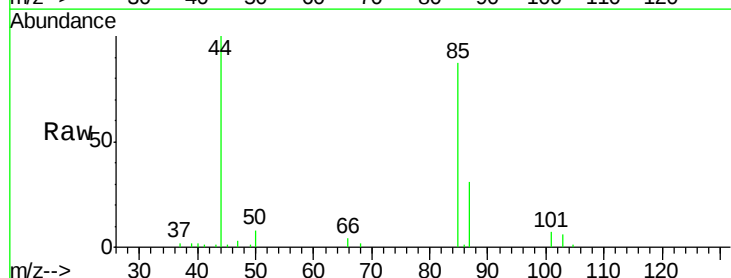
Manual Integrations
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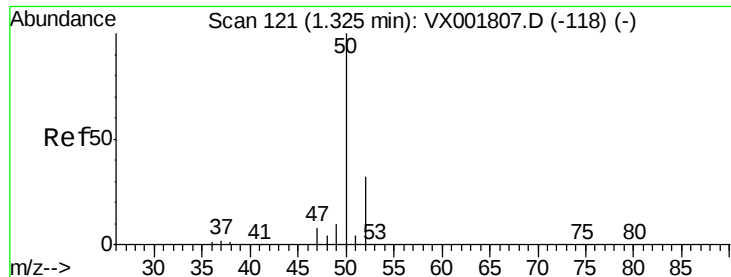
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#2
 Dichlorodifluoromethane
 Concen: 3.04 ug/l
 RT: 1.20 min Scan# 100
 Delta R.T. 0.00 min
 Lab File: VX001805.D
 Acq: 18 May 2018 03:47

Tgt Ion	Ratio	Lower	Upper
85	100		
87	35.4	16.9	50.7





#3

Chloromethane

Concen: 4.96 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 15696

Ion Ratio Lower Upper

50 100

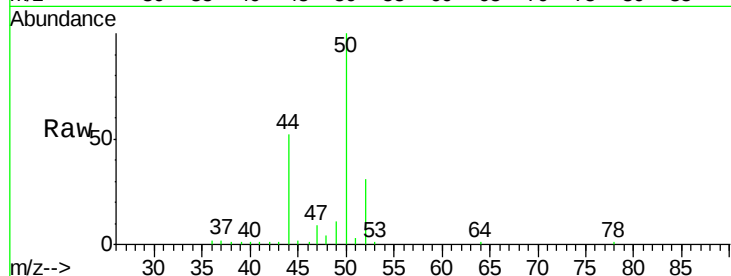
52 30.9 26.0 39.0

Manual Integrations

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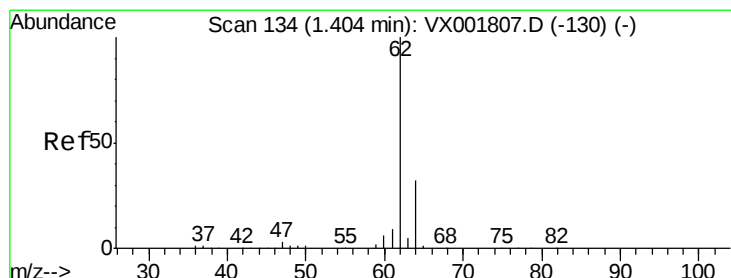
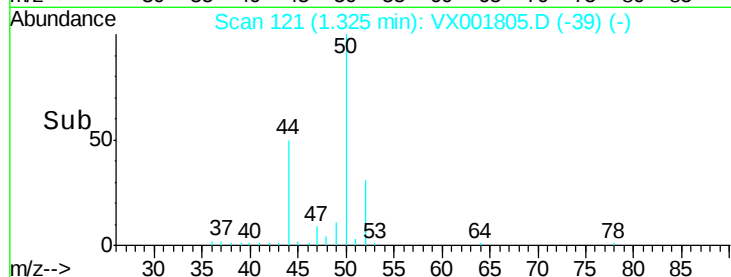
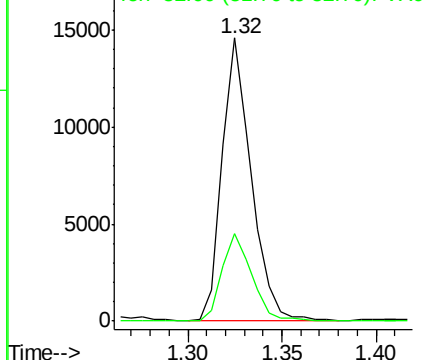
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 4.00 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001805.D

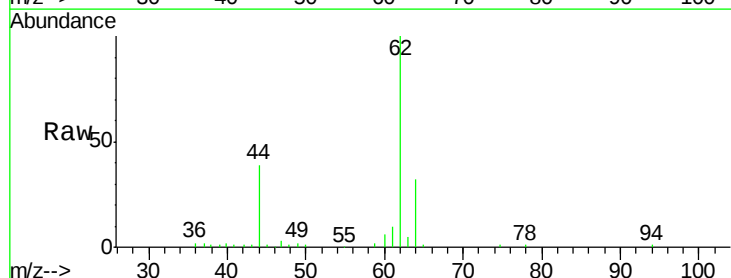
Acq: 18 May 2018 03:47

Tgt Ion: 62 Resp: 12780

Ion Ratio Lower Upper

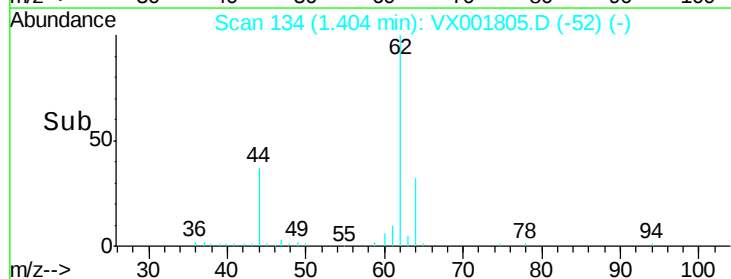
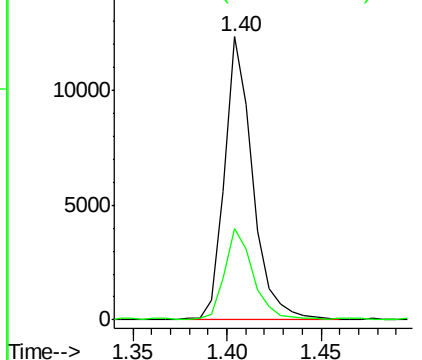
62 100

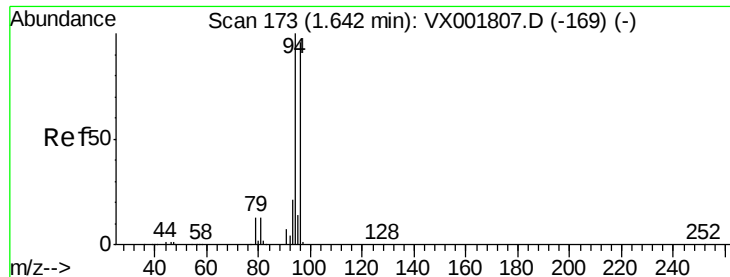
64 32.4 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 5.32 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 8583

Ion Ratio Lower Upper

94 100

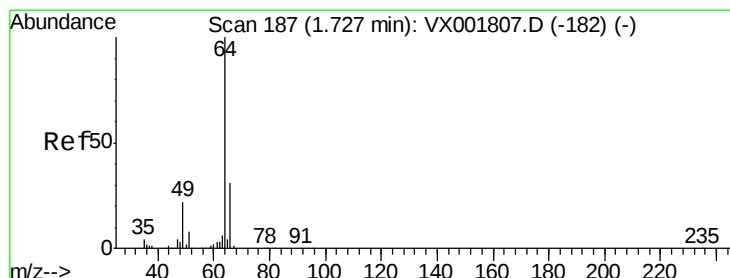
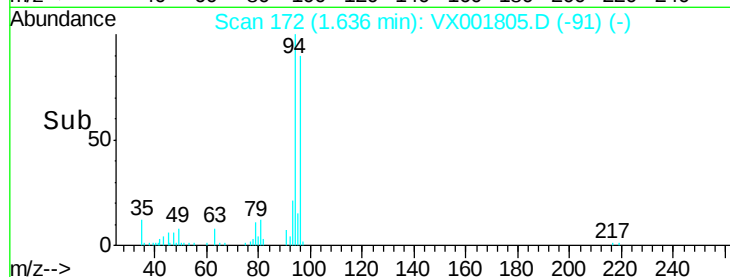
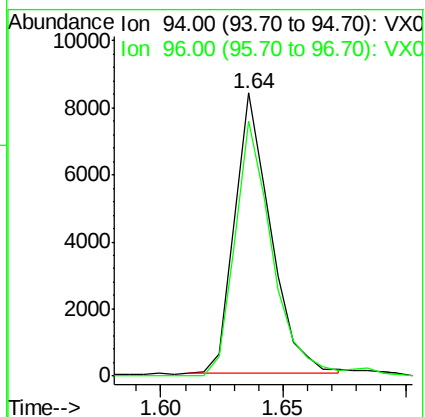
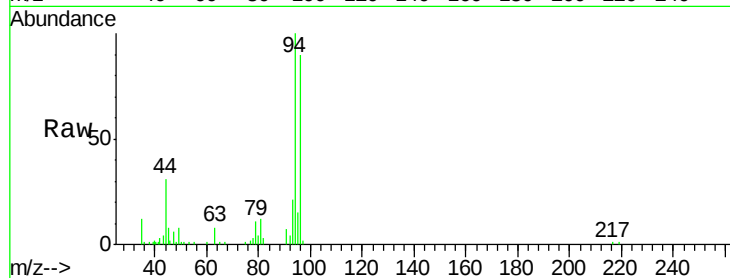
96 90.9 76.6 115.0

Manual Integrations

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#6

Chloroethane

Concen: 4.69 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX001805.D

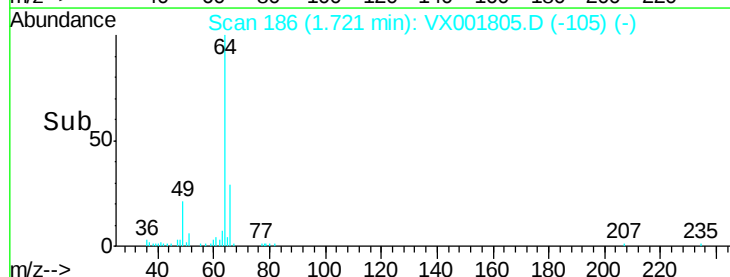
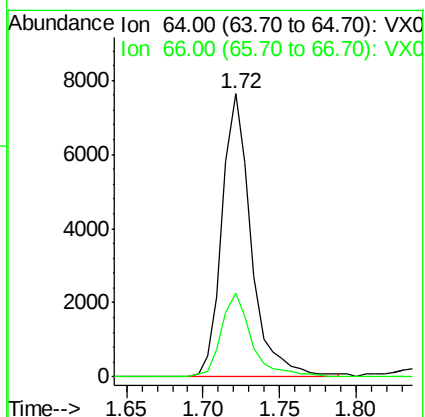
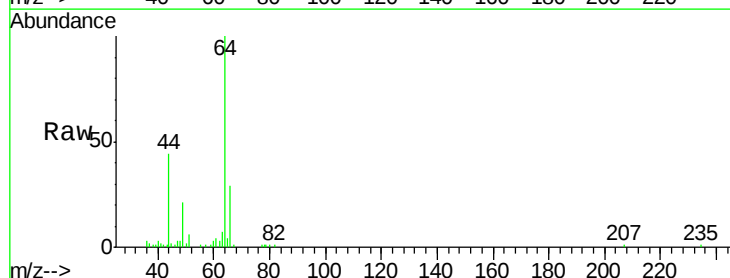
Acq: 18 May 2018 03:47

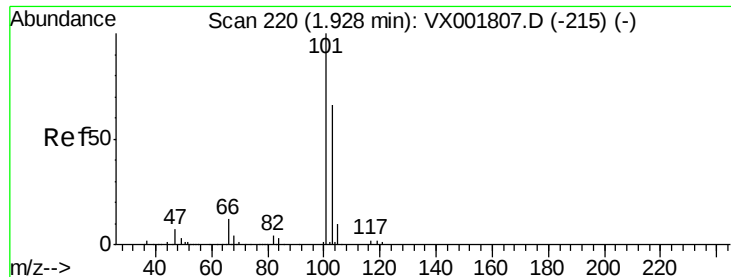
Tgt Ion: 64 Resp: 10173

Ion Ratio Lower Upper

64 100

66 29.5 25.0 37.4





#7

Trichlorofluoromethane

Concen: 3.32 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.00 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 14660

Ion Ratio Lower Upper

101 100

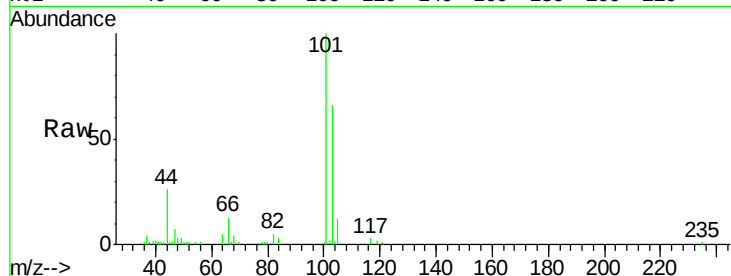
103 66.0 52.9 79.3

Manual Integrations

APPROVED

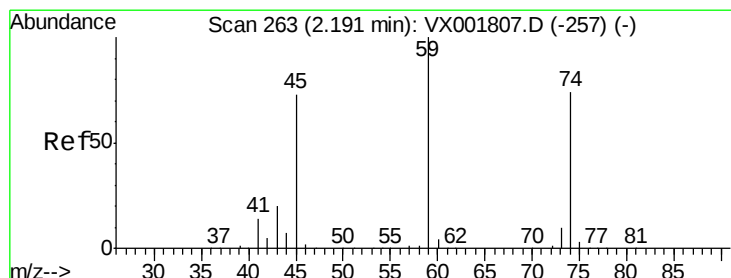
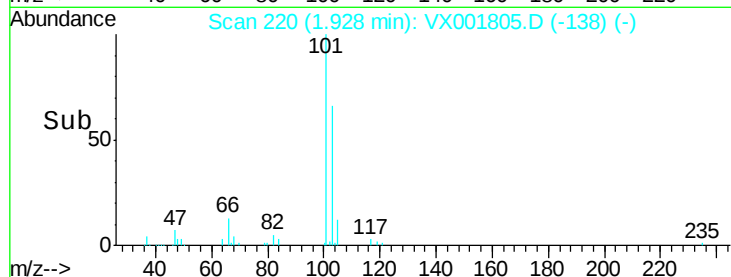
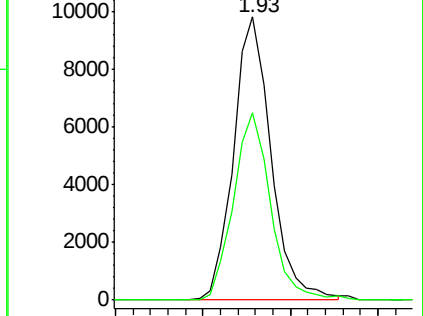
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 4.95 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX001805.D

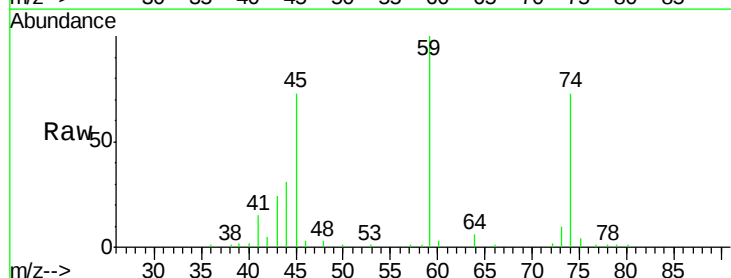
Acq: 18 May 2018 03:47

Tgt Ion: 74 Resp: 10337

Ion Ratio Lower Upper

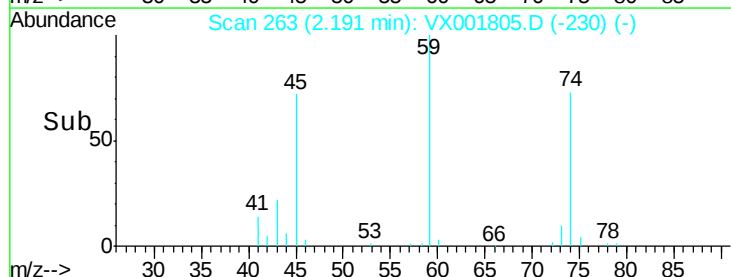
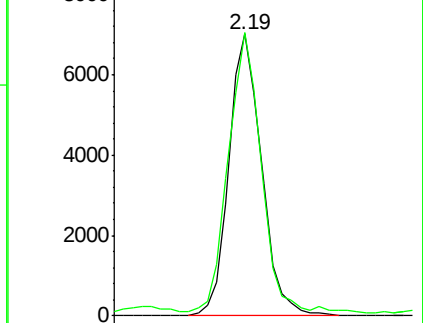
74 100

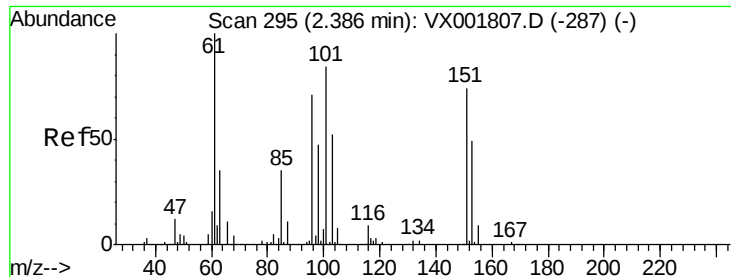
45 101.1 19.8 178.0



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.61 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Instrument :

MSVOA_X

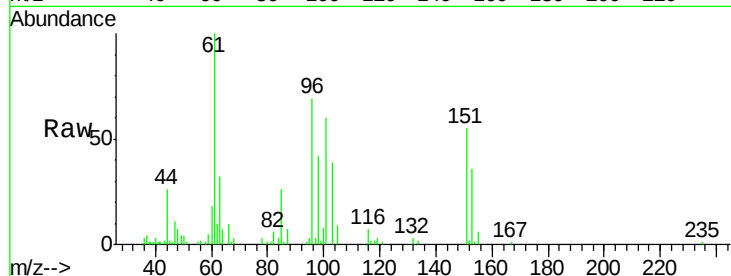
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	8827
Ion Ratio	Lower	Upper	
101	100		
85	42.7	0.0	83.0
151	87.0	0.0	182.8

Manual Integrations
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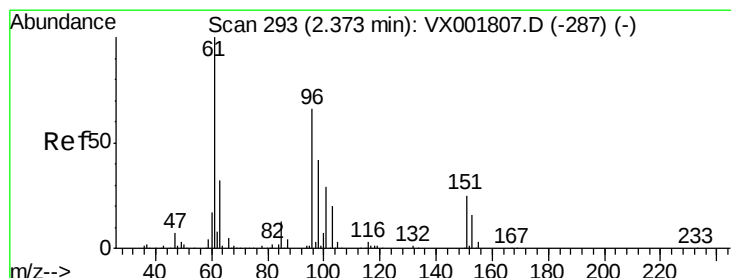
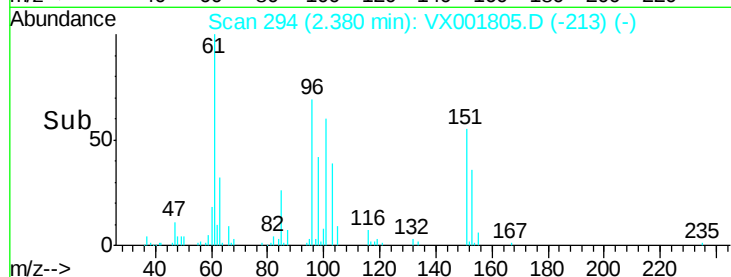
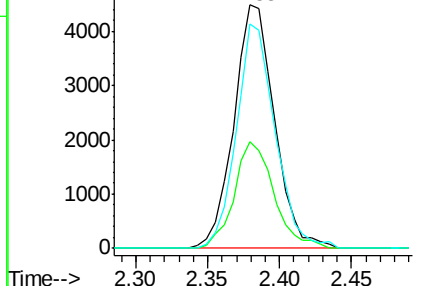
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 3.92 ug/l

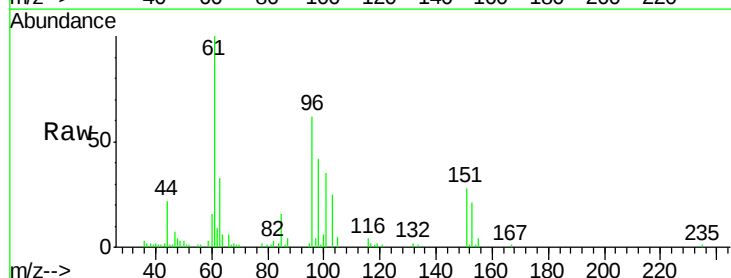
RT: 2.37 min Scan# 293

Delta R.T. 0.00 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

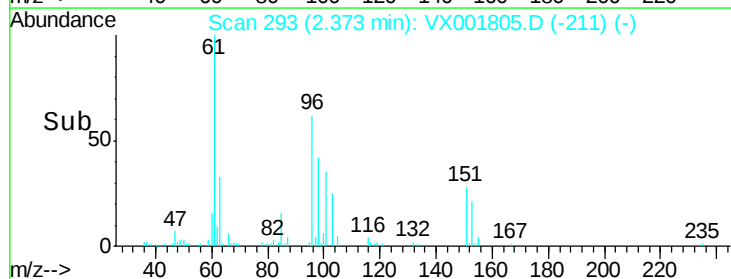
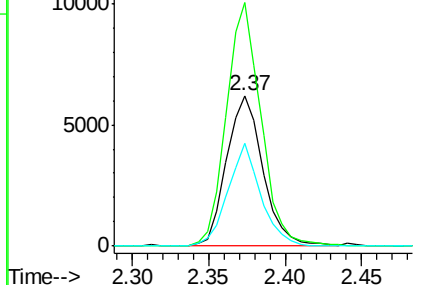
Tgt Ion:	96	Resp:	10222
Ion Ratio	Lower	Upper	
96	100		
61	161.7	120.9	181.3
98	68.6	50.2	75.4

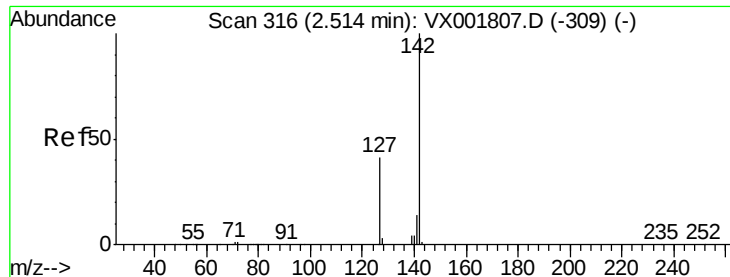


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





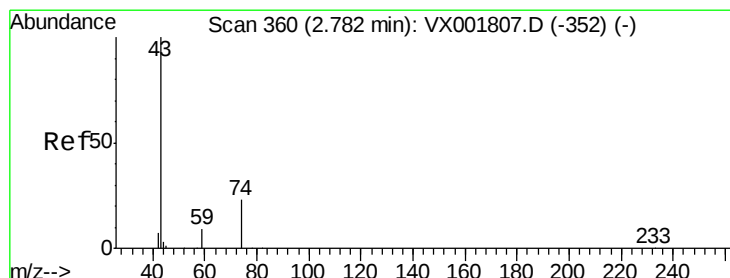
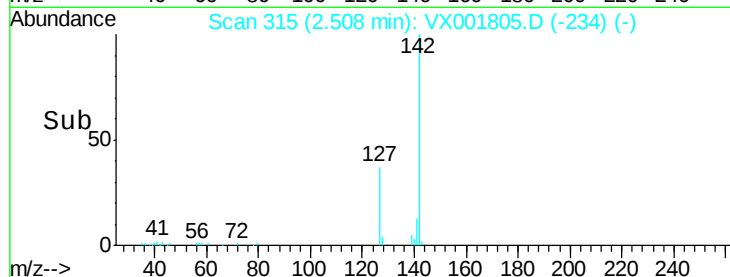
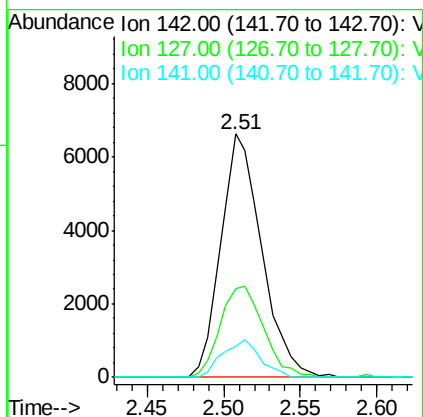
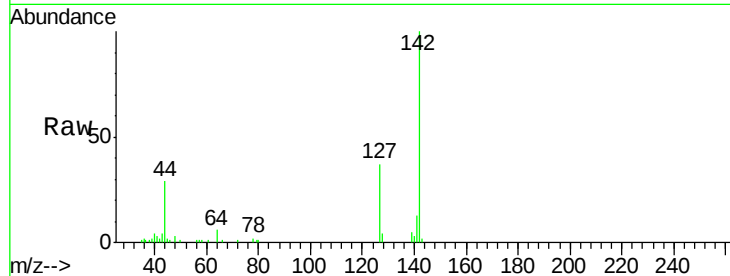
#11
Methvl Iodide
Concen: 3.15 ug/l
RT: 2.51 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX001805.D
Acq: 18 May 2018 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
142	100		
127	36.7	20.3	61.0
141	13.0	7.0	21.1

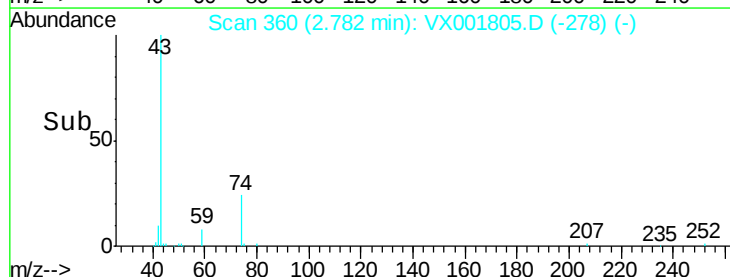
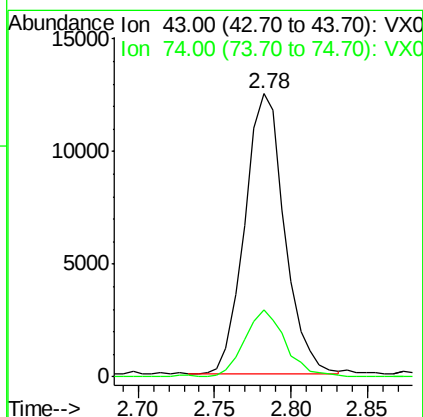
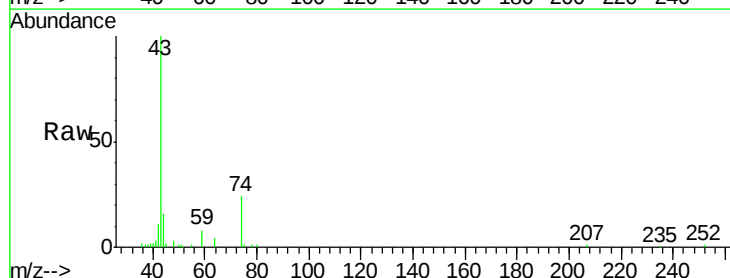
Manual Integrations
APPROVED

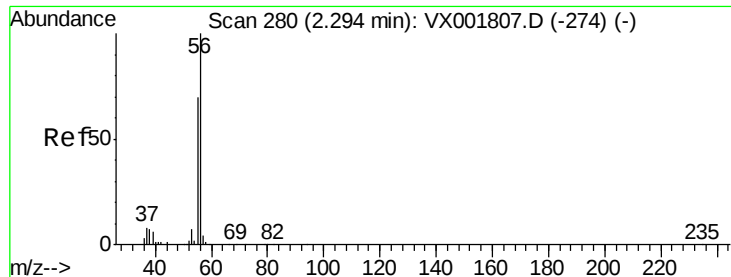
MMDadoda
5/21/2018 2:40:32 PM



#12
Methyl Acetate
Concen: 4.75 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001805.D
Acq: 18 May 2018 03:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	18.2	27.4





#13

Acrolein

Concen: 29.79 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 16436

Ion Ratio Lower Upper

56 100

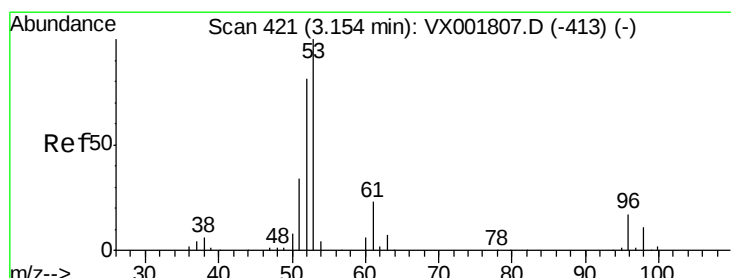
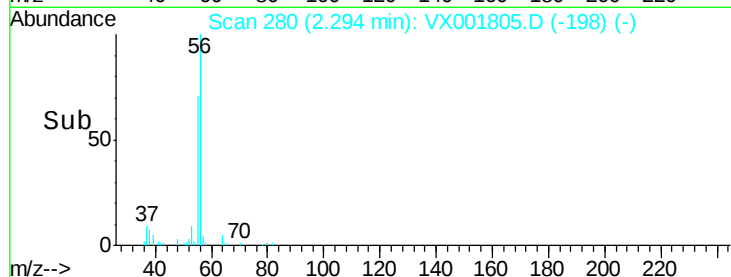
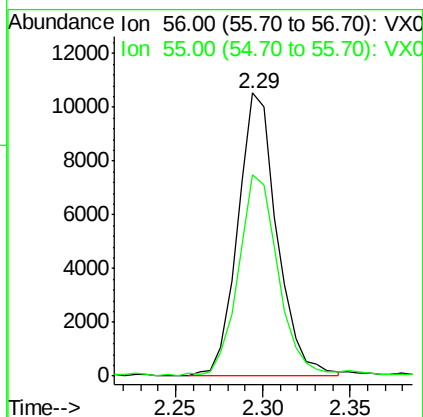
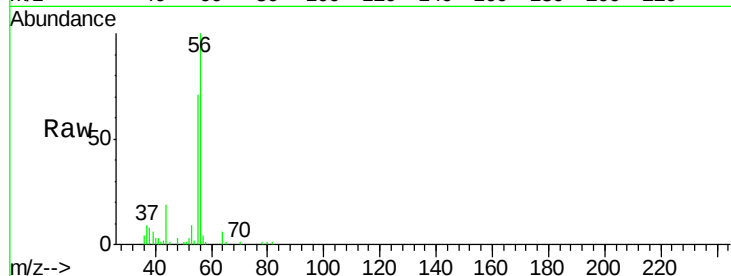
55 71.8 56.0 84.0

Manual Integrations

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5/21/2018 2:40:32 PM



#14

Acrylonitrile

Concen: 24.68 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

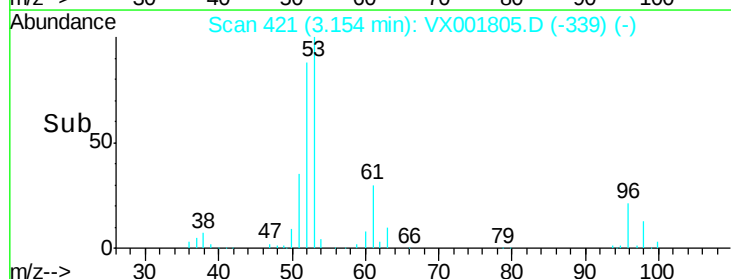
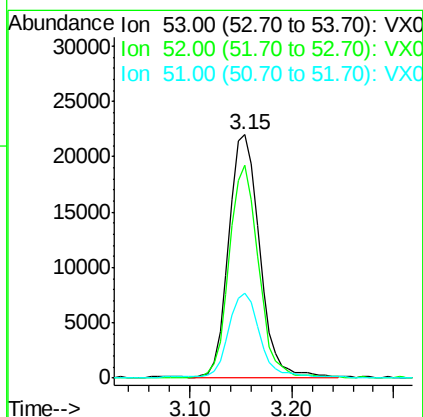
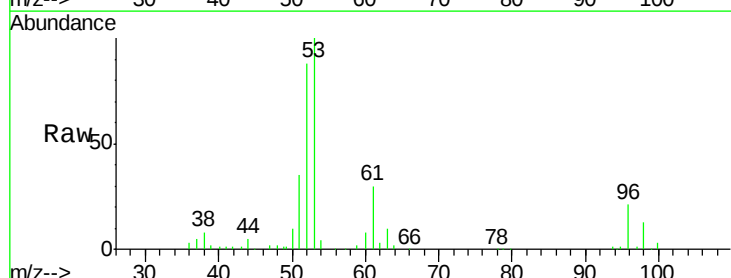
Tgt Ion: 53 Resp: 46469

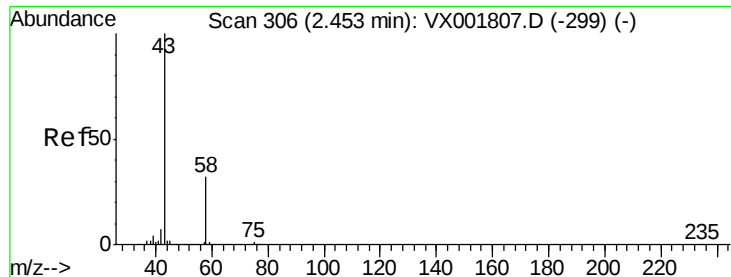
Ion Ratio Lower Upper

53 100

52 81.9 40.7 122.1

51 32.8 17.4 52.3





#15

Acetone

Concen: 24.66 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 58 Resp: 12522

Ion Ratio Lower Upper

58 100

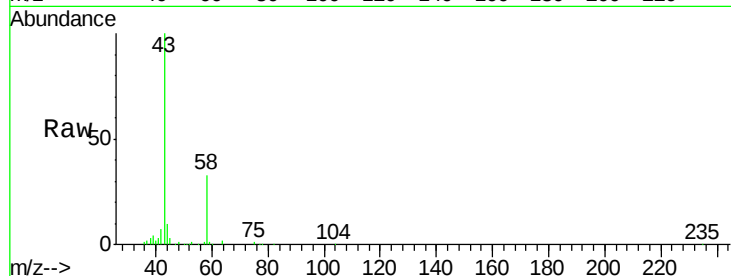
43 305.9 252.1 378.1

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

25000

20000

15000

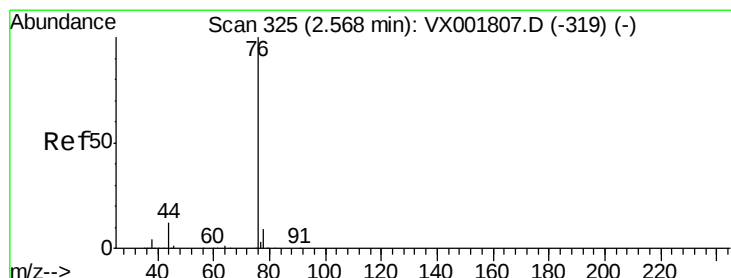
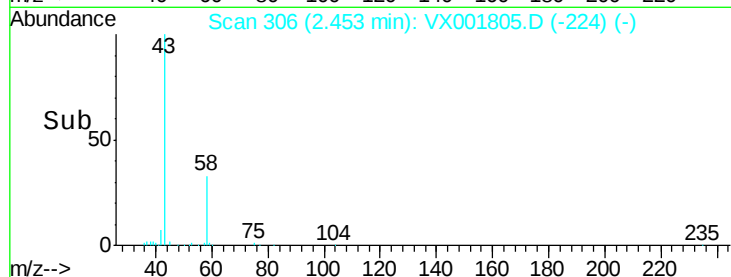
10000

5000

0

2.40 2.45 2.50

Time-->



#16

Carbon Disulfide

Concen: 3.71 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX001805.D

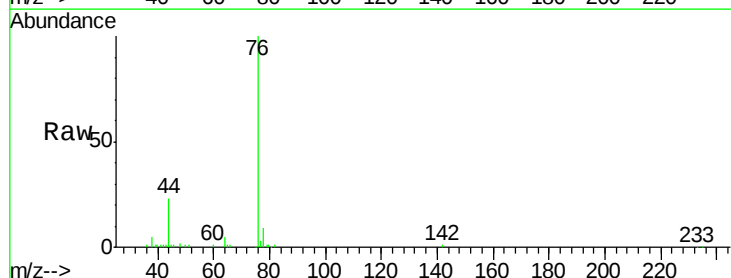
Acq: 18 May 2018 03:47

Tgt Ion: 76 Resp: 24133

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

15000

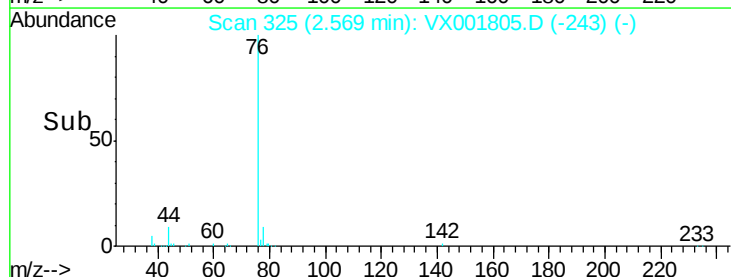
10000

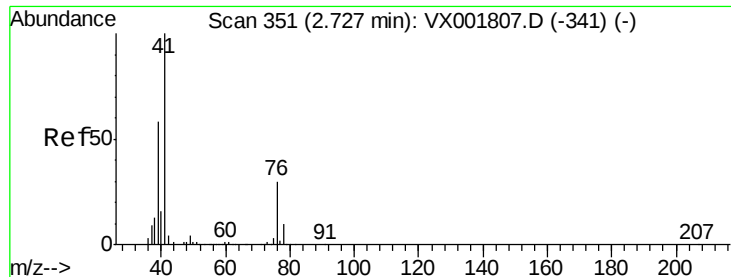
5000

0

2.50 2.55 2.60 2.65 2.70

Time-->





#17

Allvl chloride

Concen: 4.46 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Instrument :

MSVOA_X

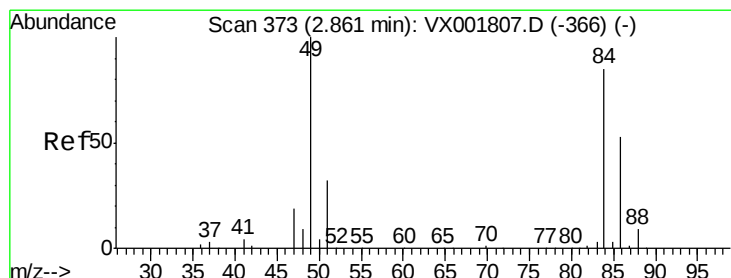
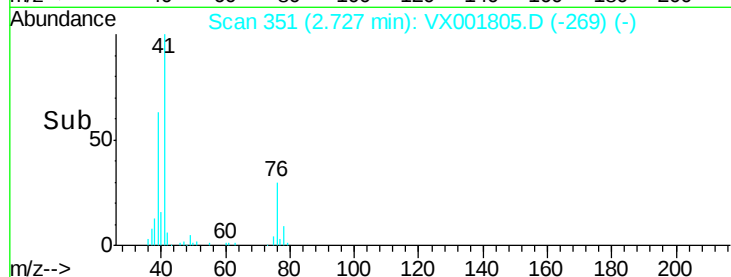
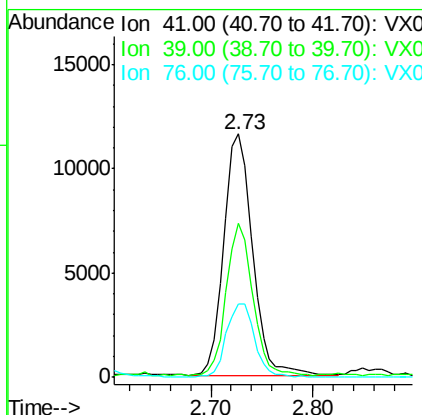
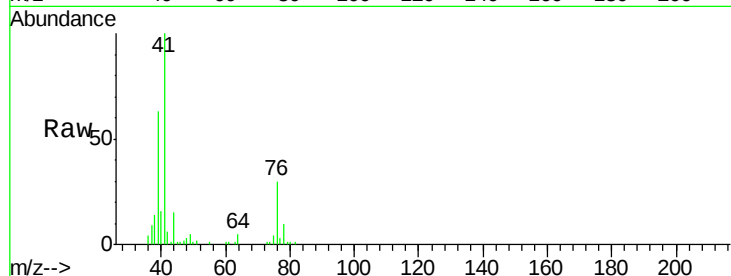
ClientSampleId :

VSTDIC005

Tot Ion:	41	Resp:	22839
Ion	Ratio	Lower	Upper
41	100		
39	62.8	29.1	87.3
76	30.4	15.2	45.5

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#18

Methylene Chloride

Concen: 5.06 ug/l

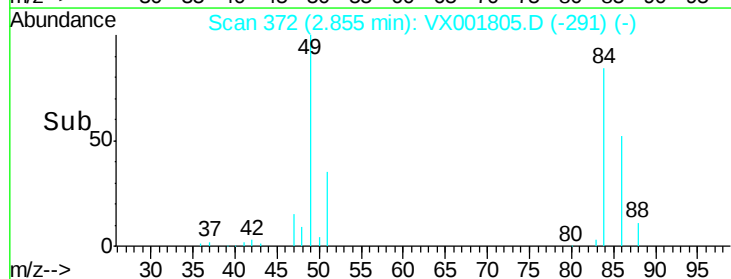
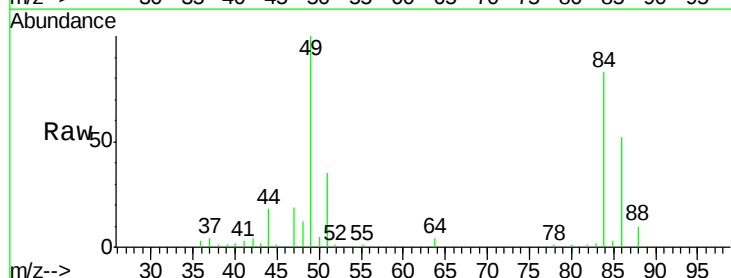
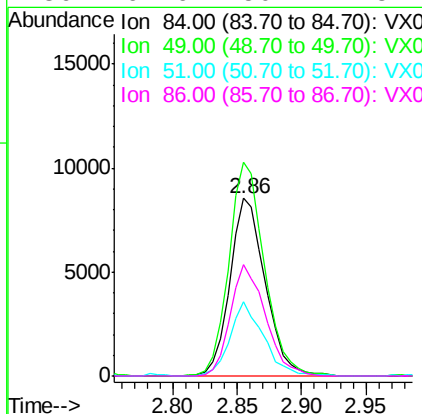
RT: 2.86 min Scan# 372

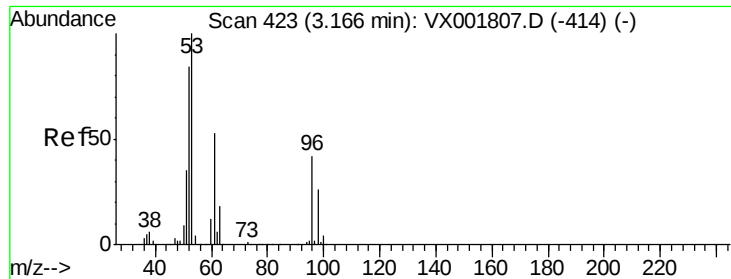
Delta R.T. -0.01 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Tgt Ion:	84	Resp:	16374
Ion	Ratio	Lower	Upper
84	100		
49	120.2	94.1	141.1
51	41.8	29.8	44.6
86	62.6	50.1	75.1





#19

trans-1,2-Dichloroethene

Concen: 4.29 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Instrument :

MSVOA_X

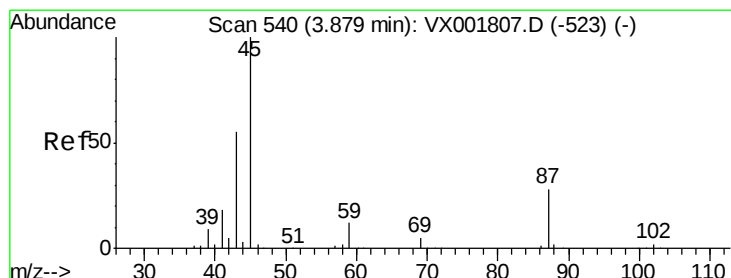
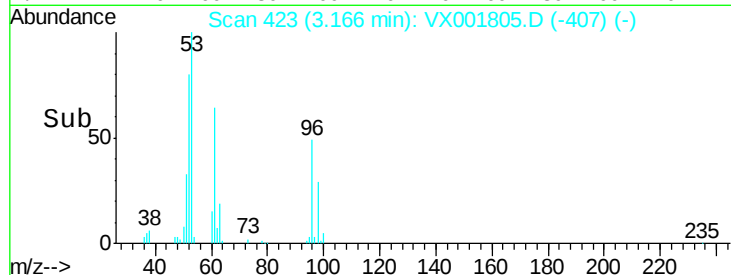
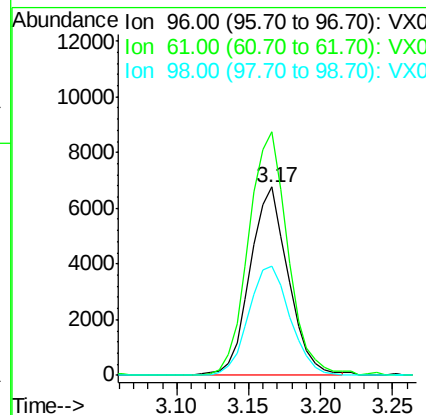
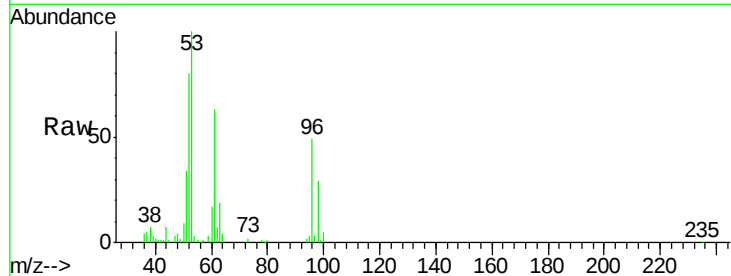
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	12441
Ion	Ratio	Lower	Upper
96	100		
61	129.3	102.9	154.3
98	58.3	49.7	74.5

Manual Integrations
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#20

Diisopropyl ether

Concen: 4.87 ug/l

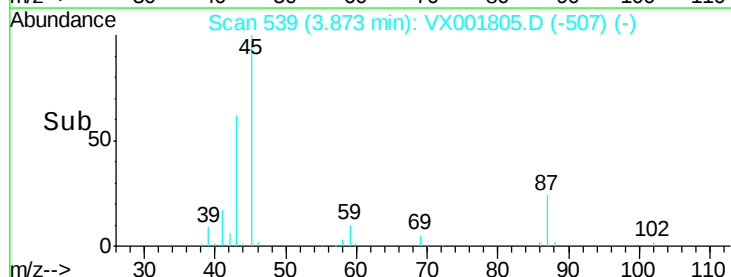
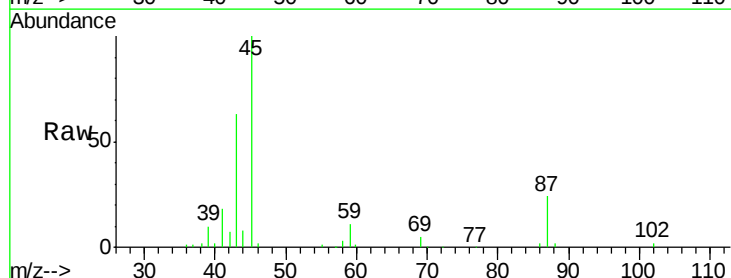
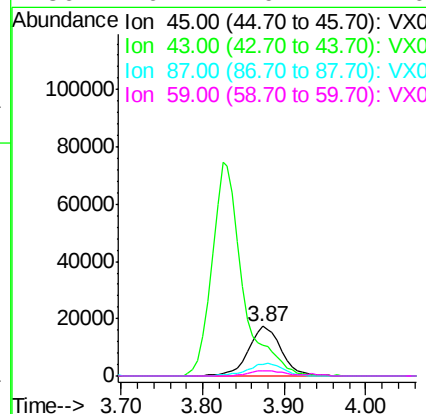
RT: 3.87 min Scan# 539

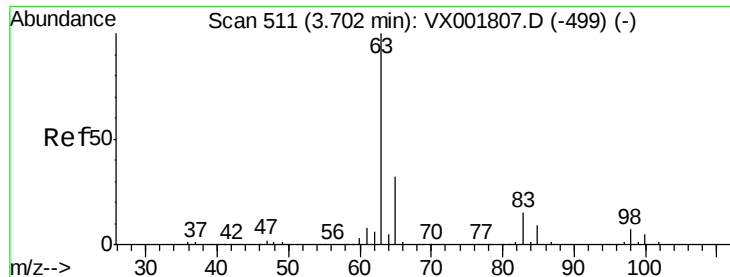
Delta R.T. -0.01 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Tgt Ion:	45	Resp:	48264
Ion	Ratio	Lower	Upper
45	100		
43	62.6	44.2	66.2
87	24.6	22.4	33.6
59	10.7	9.4	14.0





#21

1,1-Dichloroethane

Concen: 4.62 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Instrument :

MSVOA_X

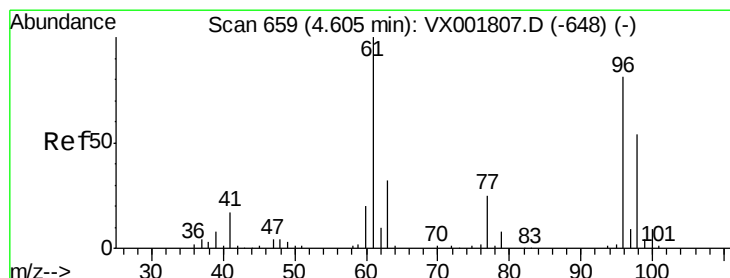
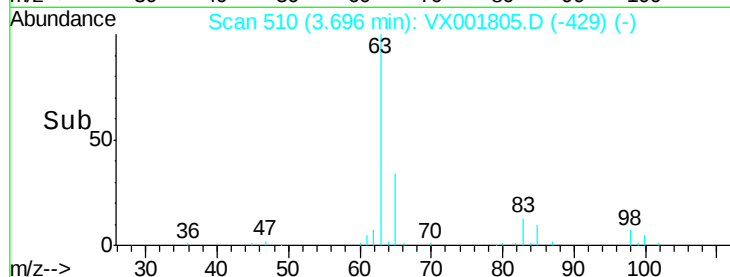
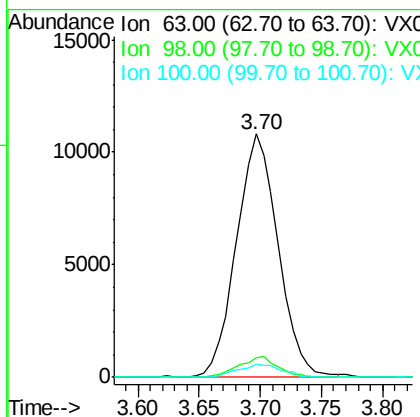
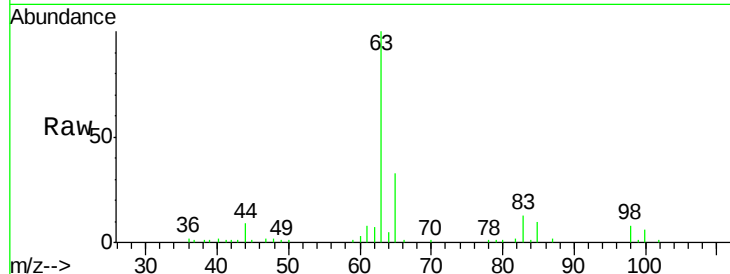
ClientSampleId :

VSTDIC005

Tot Ion:	63	Resp:	25607
Ion	Ratio	Lower	Upper
63	100		
98	8.1	3.7	11.1
100	5.5	2.5	7.6

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#22

cis-1,2-Dichloroethene

Concen: 4.66 ug/l

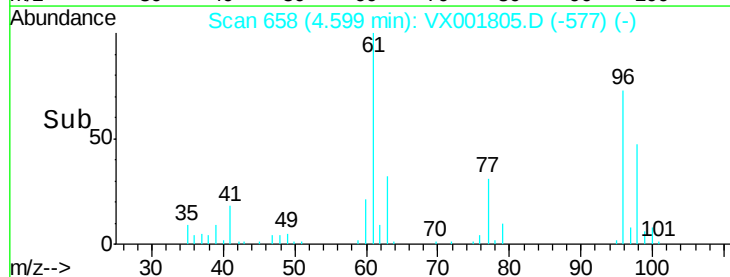
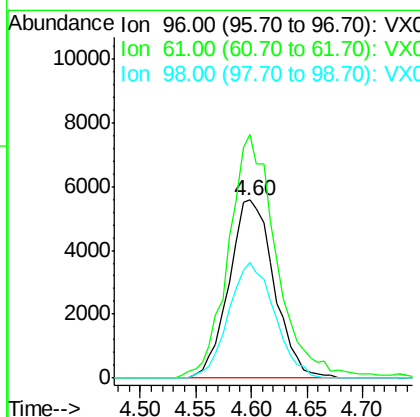
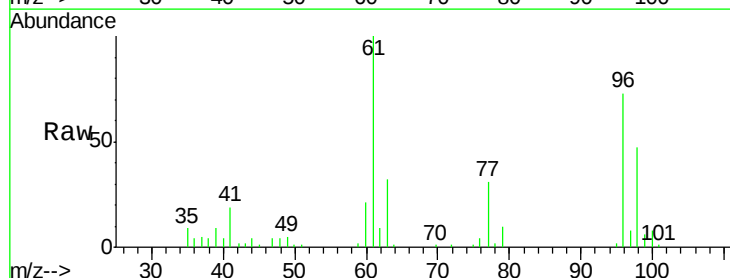
RT: 4.60 min Scan# 658

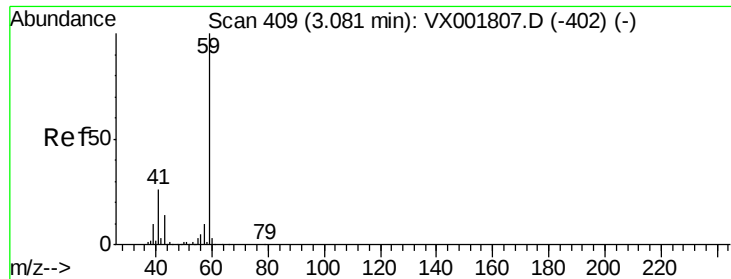
Delta R.T. -0.01 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Tgt Ion:	96	Resp:	15688
Ion	Ratio	Lower	Upper
96	100		
61	141.7	105.9	158.9
98	65.8	51.5	77.3





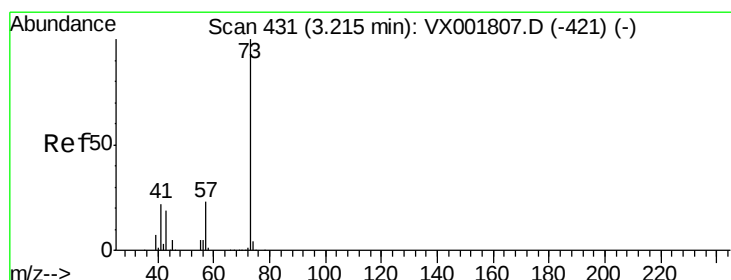
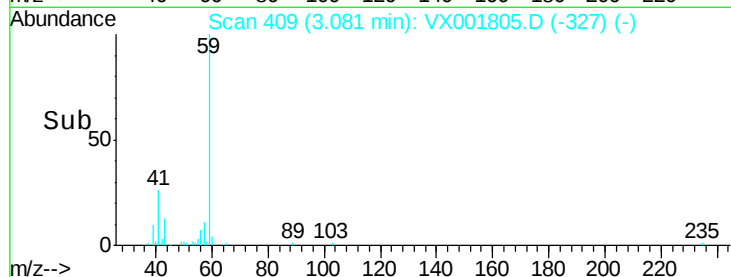
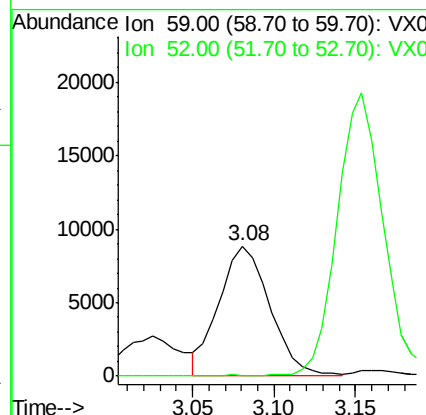
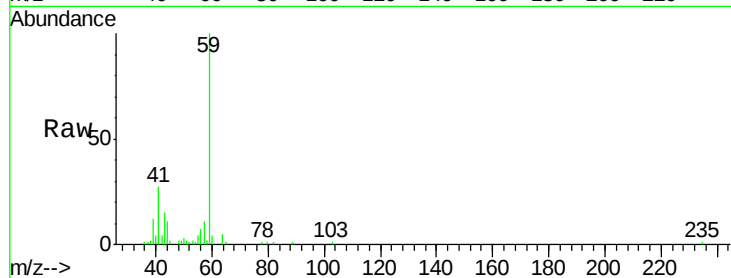
#23
 tert-Butyl Alcohol
 Concen: 23.15 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: VX001805.D
 Acq: 18 May 2018 03:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 59 Resp: 19144
 Ion Ratio Lower Upper
 59 100
 52 0.4 0.1 0.1#

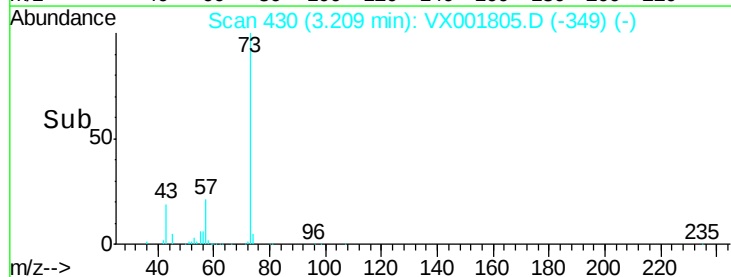
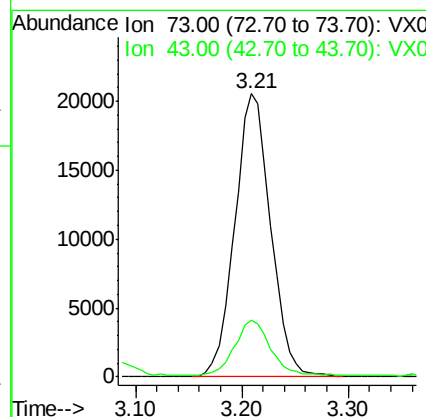
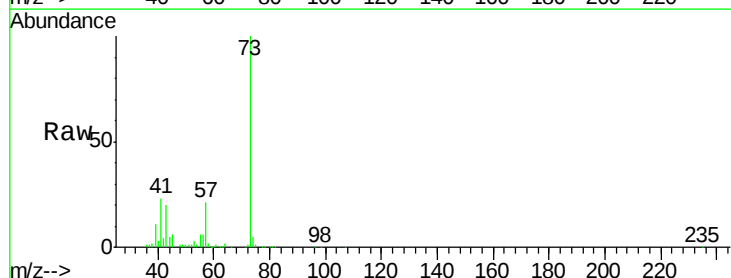
Manual Integrations
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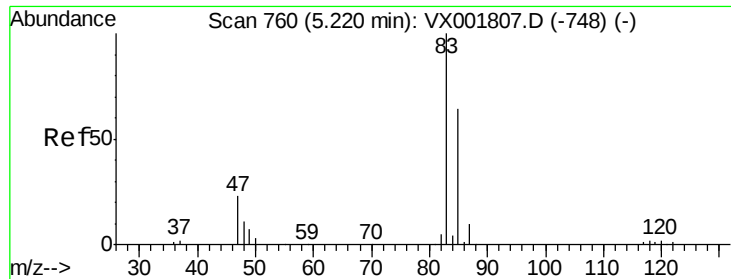
MMDadoda
 5/21/2018 2:40:32 PM



#24
 Methyl tert-Butyl Ether
 Concen: 4.86 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VX001805.D
 Acq: 18 May 2018 03:47

Tgt Ion: 73 Resp: 48494
 Ion Ratio Lower Upper
 73 100
 43 19.0 15.2 22.8





#25

Chloroform

Concen: 4.66 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 83 Resp: 26868

Ion Ratio Lower Upper

83 100

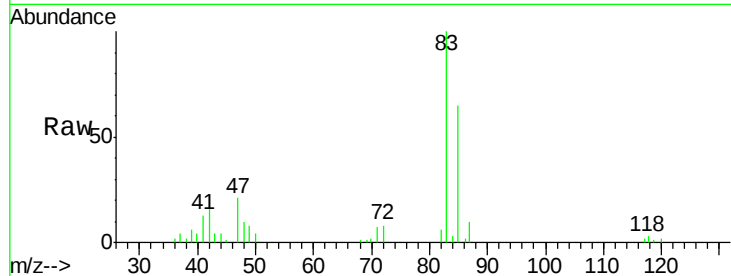
85 64.7 51.6 77.4

Manual Integrations

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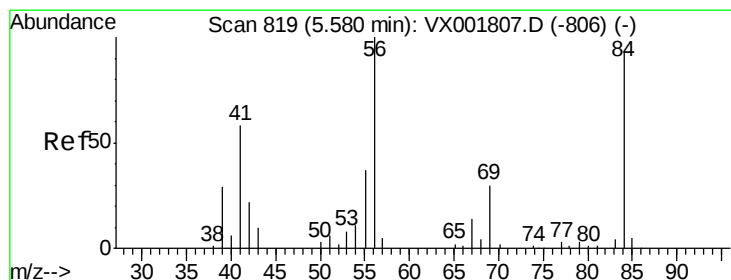
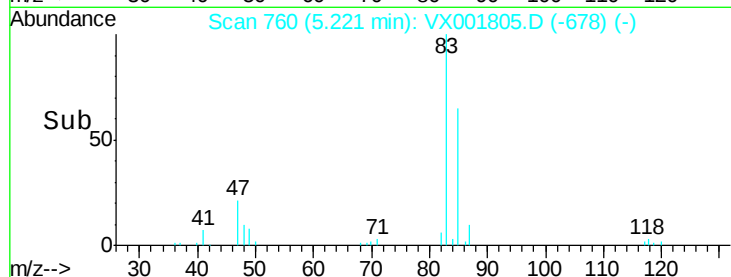
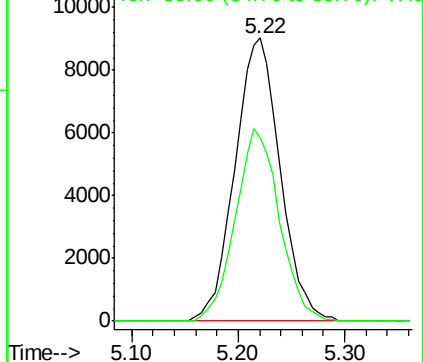
MMDadoda

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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: 3.28 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

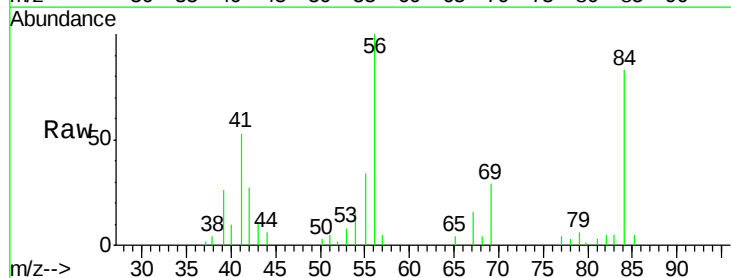
Tgt Ion: 56 Resp: 12639

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

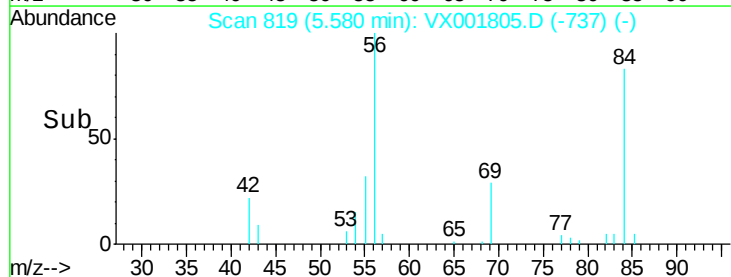
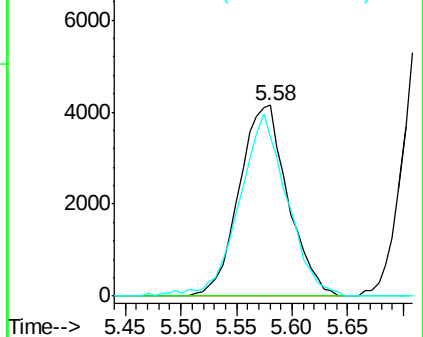
84 91.5 73.8 110.8

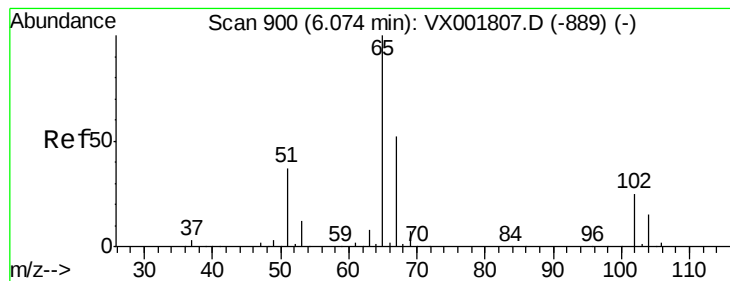


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 26.80 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Tot Ion: 65 Resp: 115364

Ion Ratio Lower Upper

65 100

67 53.2 42.1 63.1

Instrument :

MSVOA_X

ClientSampled :

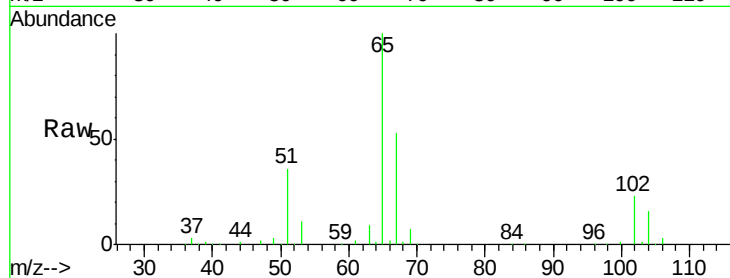
VSTDIC005

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Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.07

50000

40000

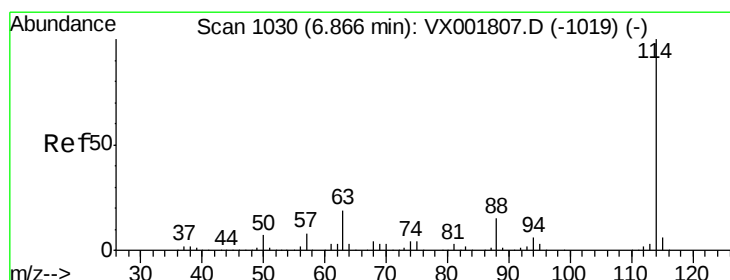
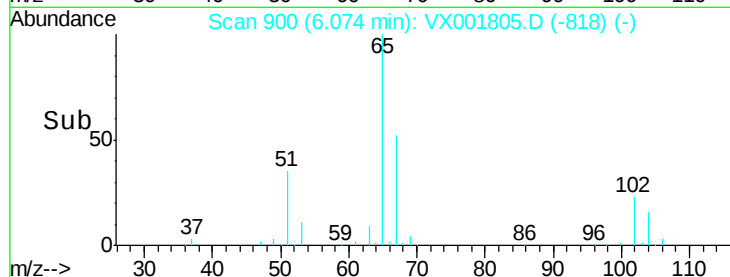
30000

20000

10000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

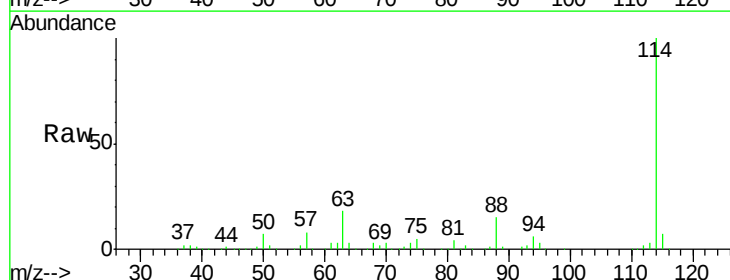
Tgt Ion: 114 Resp: 247430

Ion Ratio Lower Upper

114 100

63 19.2 14.9 22.3

88 14.9 11.8 17.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

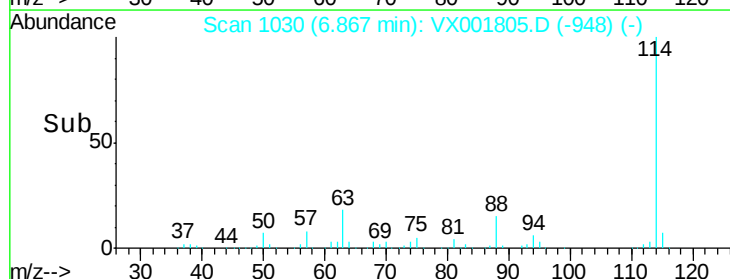
6.87

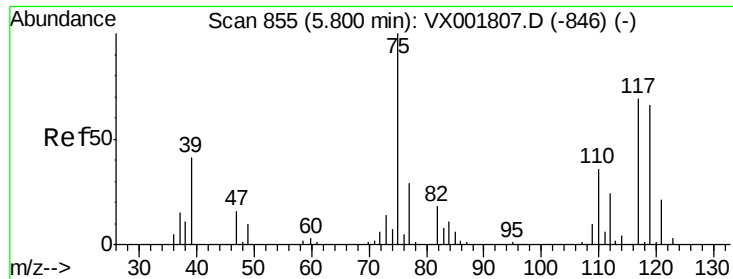
100000

50000

0

Time-->





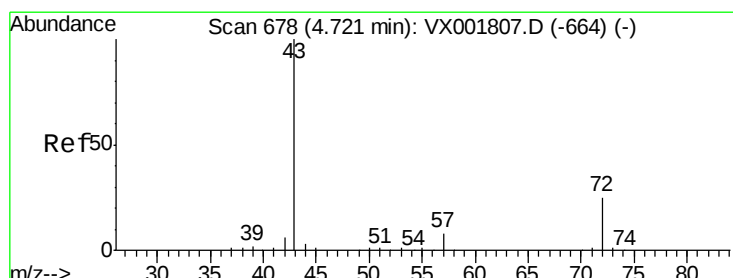
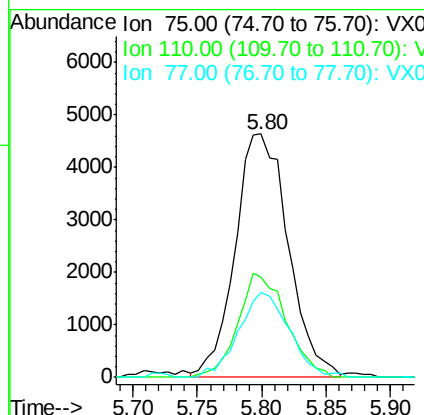
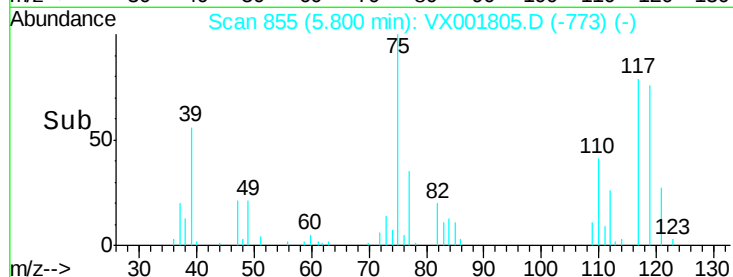
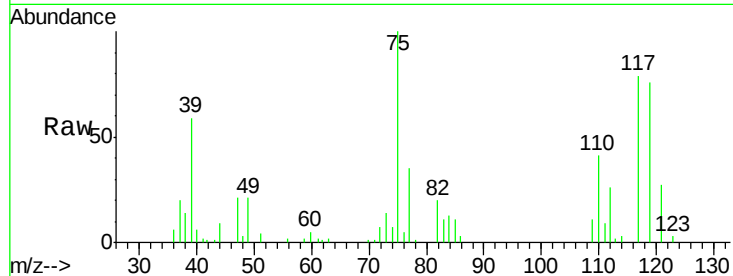
#29
 1,1-Dichloropropene
 Concen: 4.44 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX001805.D
 Acq: 18 May 2018 03:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	75	Resp:	13268
Ion Ratio	Lower	Upper	
75	100		
110	38.9	0.0	75.2
77	32.9	0.0	61.6

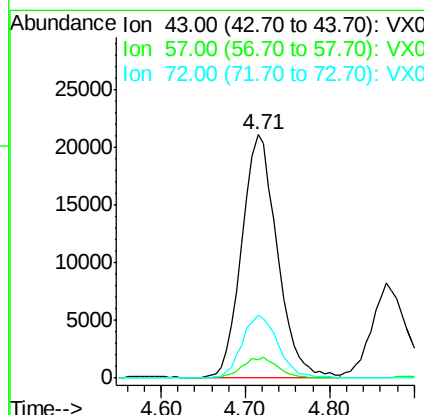
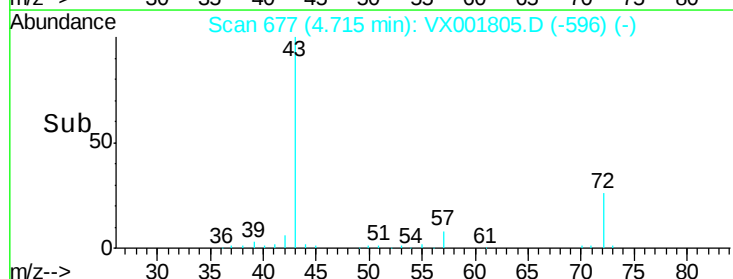
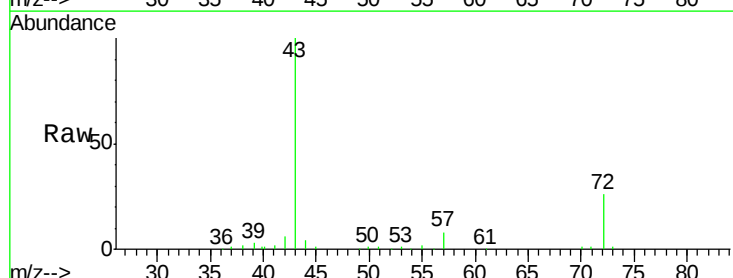
Manual Integrations
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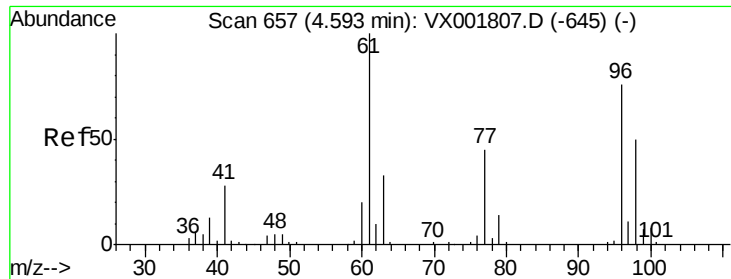
MMDadoda
 5/21/2018 2:40:32 PM



#30
 2-Butanone
 Concen: 28.23 ug/l
 RT: 4.71 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: VX001805.D
 Acq: 18 May 2018 03:47

Tgt Ion:	43	Resp:	59734
Ion Ratio	Lower	Upper	
43	100		
57	8.4	6.4	9.6
72	26.3	20.6	30.8





#31

2,2-Dichloropropane

Concen: 3.83 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 77 Resp: 9338

Ion Ratio Lower Upper

77 100

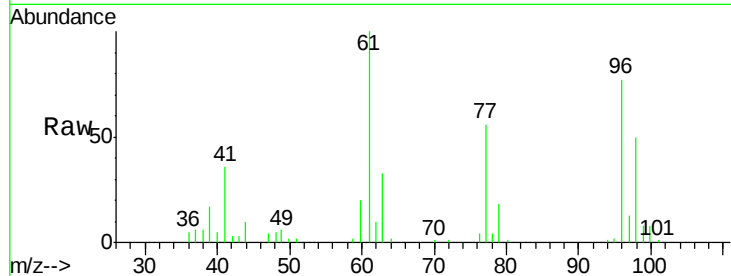
97 3.1 22.3 33.5#

Manual Integrations

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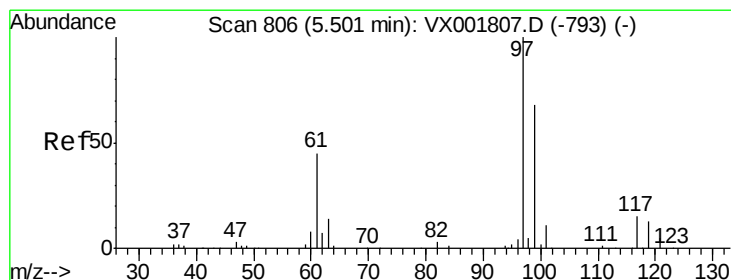
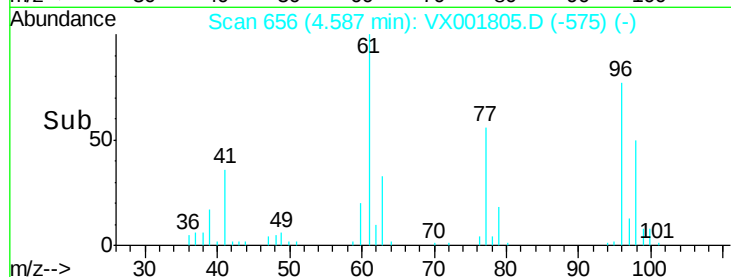
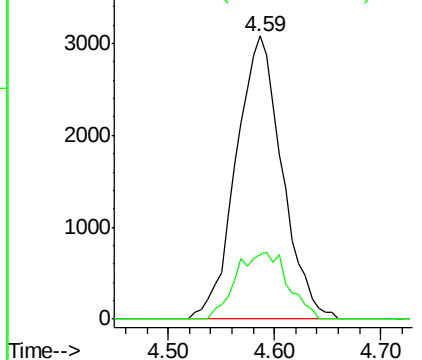
MMDadoda

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Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0



#32

1,1,1-Trichloroethane

Concen: 4.84 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

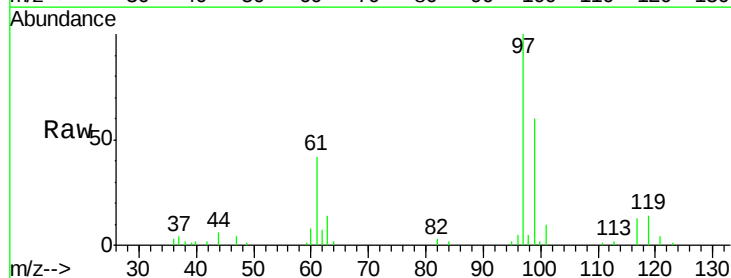
Tgt Ion: 97 Resp: 18495

Ion Ratio Lower Upper

97 100

99 63.1 52.4 78.6

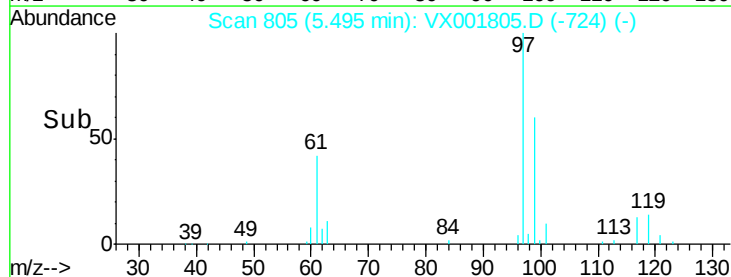
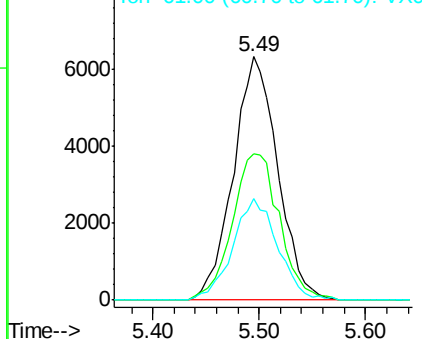
61 42.2 34.6 51.8

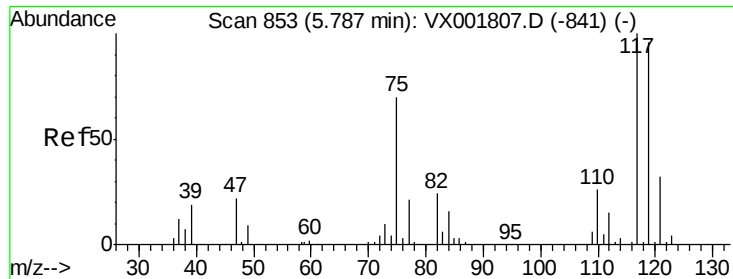


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#33

Carbon Tetrachloride

Concen: 4.30 ug/l

RT: 5.78 min Scan# 851

Delta R.T. -0.01 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Instrument :

MSVOA_X

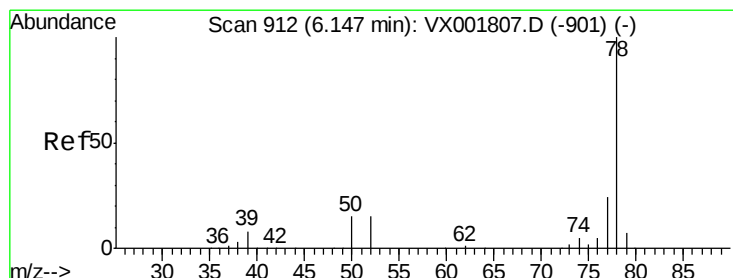
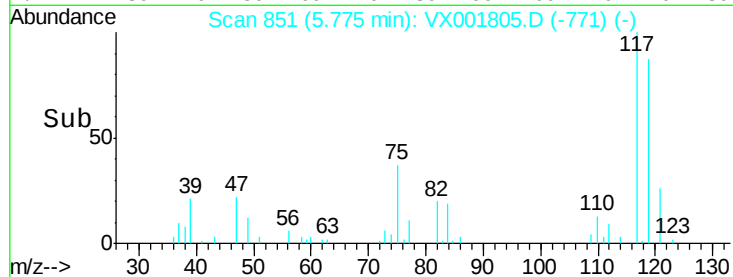
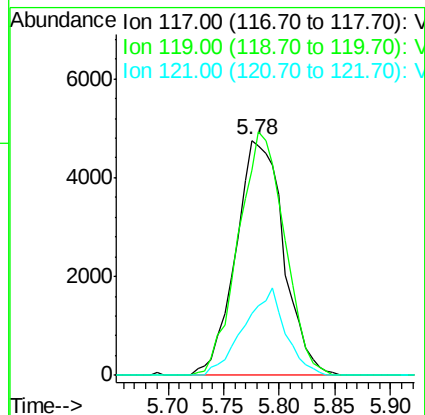
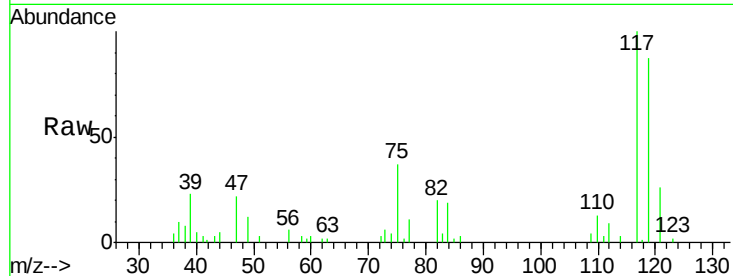
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
119	87.0	76.4	114.6
121	26.2	25.3	37.9

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#34

Benzene

Concen: 5.43 ug/l

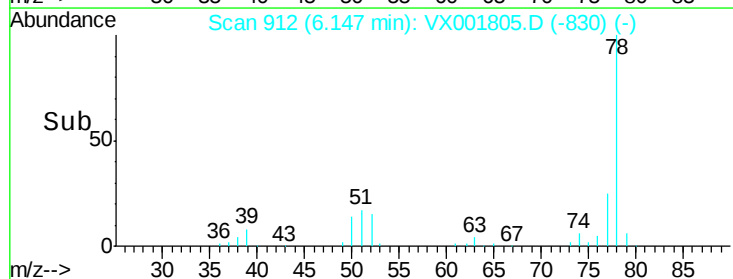
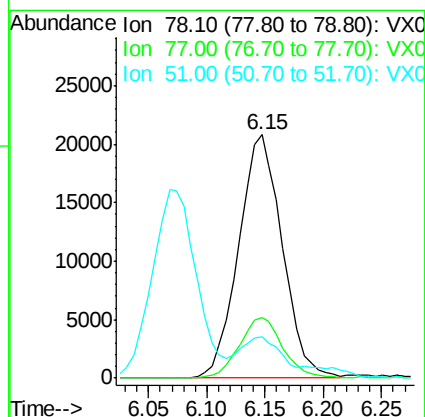
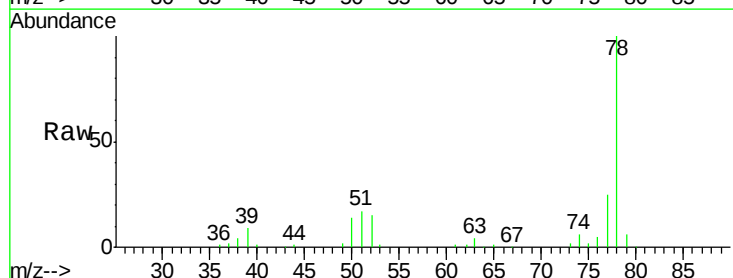
RT: 6.15 min Scan# 912

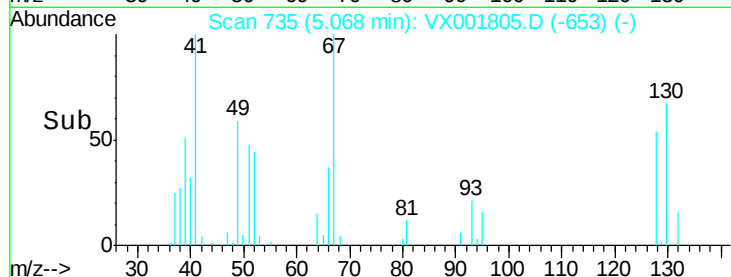
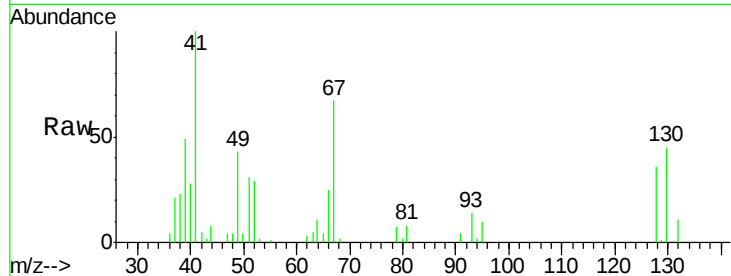
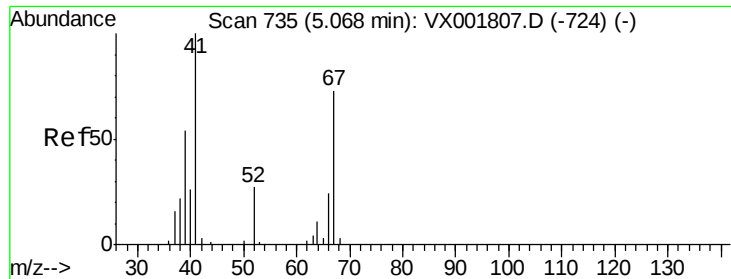
Delta R.T. 0.00 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

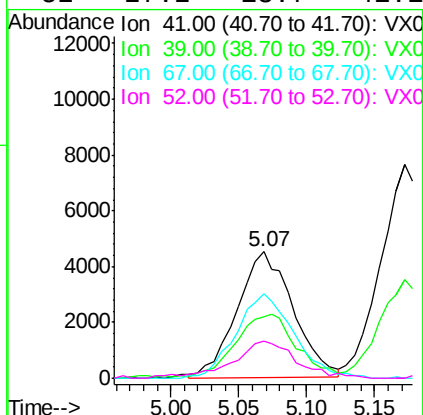
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.4	29.0
51	13.2	13.2	19.8





#35
Methacrylonitrile
Concen: 5.67 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX001805.D
Acq: 18 May 2018 03:47

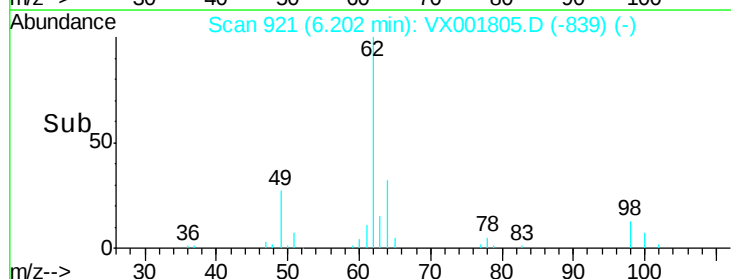
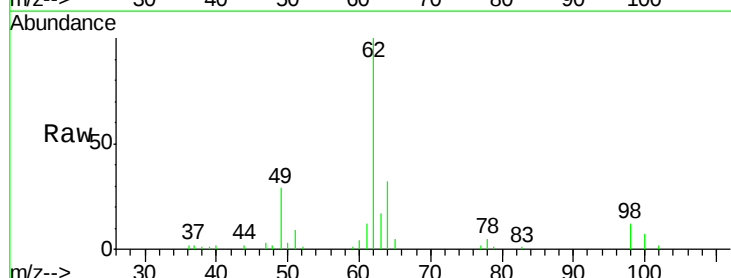
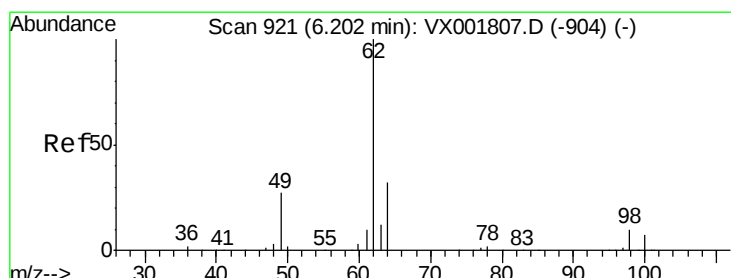
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	48.9	26.9	80.6	
67	66.5	36.8	110.3	
52	27.2	13.7	41.1	



Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

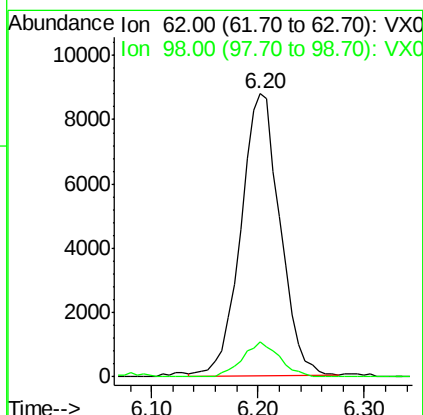
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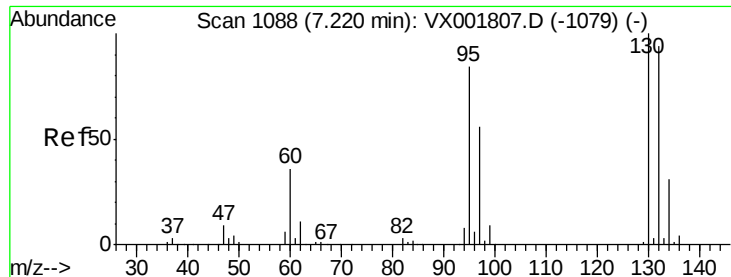
MMDadoda
5/21/2018 2:40:32 PM



#36
1,2-Dichloroethane
Concen: 5.73 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX001805.D
Acq: 18 May 2018 03:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	11.7	8.6	12.8	





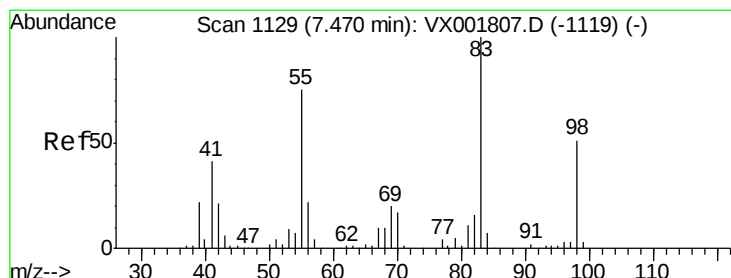
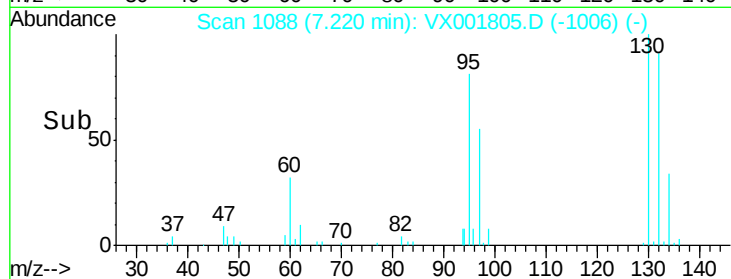
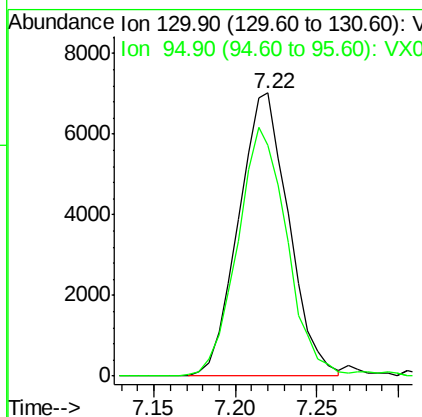
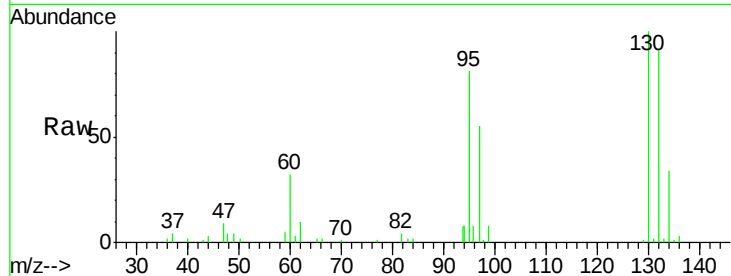
#37
 Trichloroethene
 Concen: 5.21 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001805.D
 Acq: 18 May 2018 03:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:130 Resp: 15047
 Ion Ratio Lower Upper
 130 100
 95 80.8 67.1 100.7

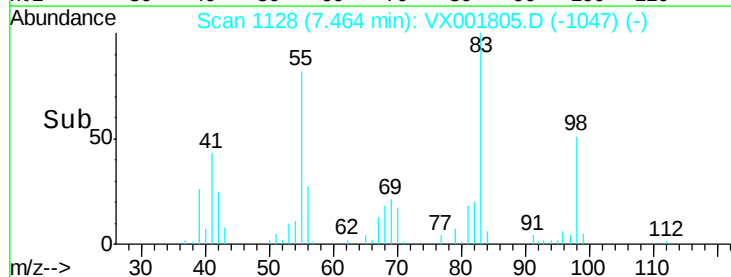
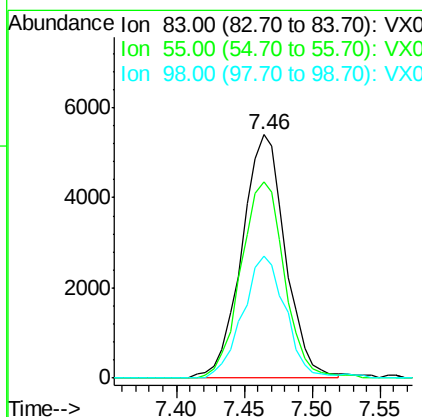
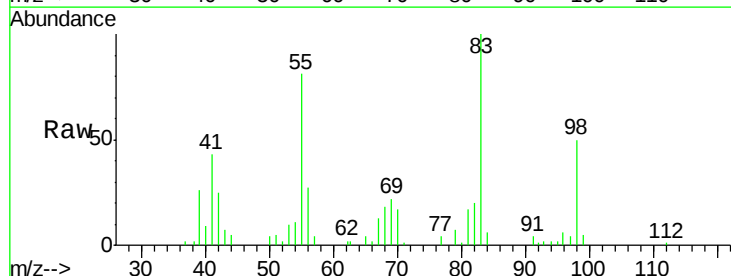
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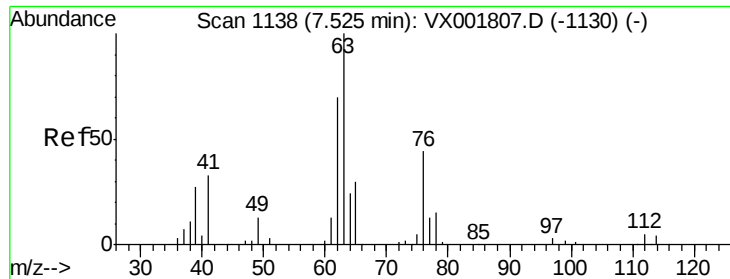
MMDadoda
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#38
 Methylcyclohexane
 Concen: 3.87 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: VX001805.D
 Acq: 18 May 2018 03:47

Tgt Ion: 83 Resp: 12075
 Ion Ratio Lower Upper
 83 100
 55 80.6 40.0 119.9
 98 49.1 25.8 77.4





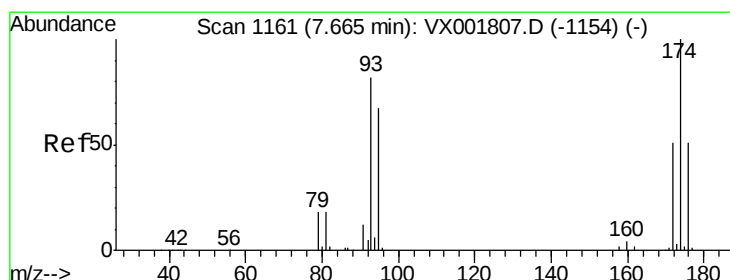
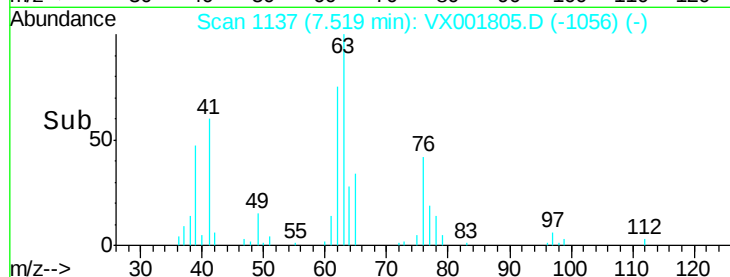
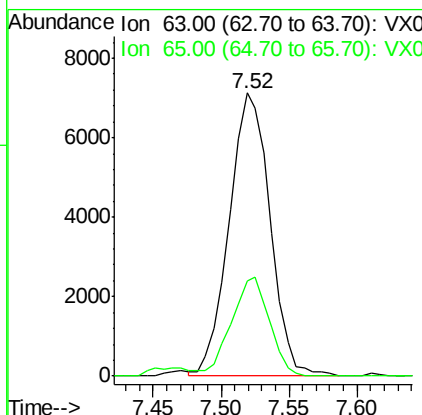
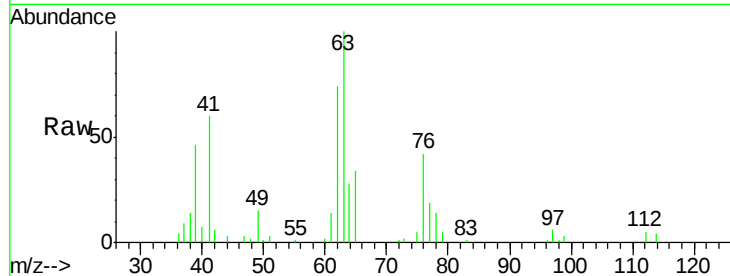
#39
 1,2-Dichloropropane
 Concen: 5.88 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX001805.D
 Acq: 18 May 2018 03:47

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion: 63 Resp: 14964
 Ion Ratio Lower Upper
 63 100
 65 33.7 25.0 37.4

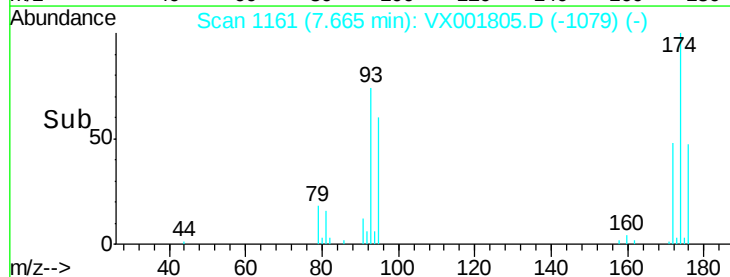
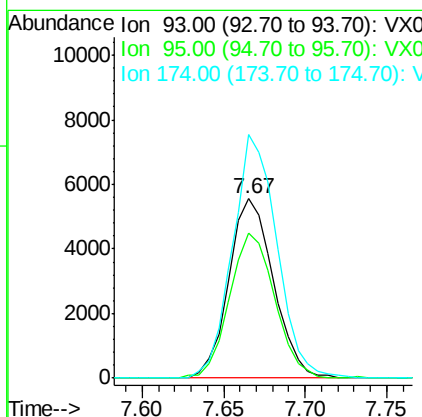
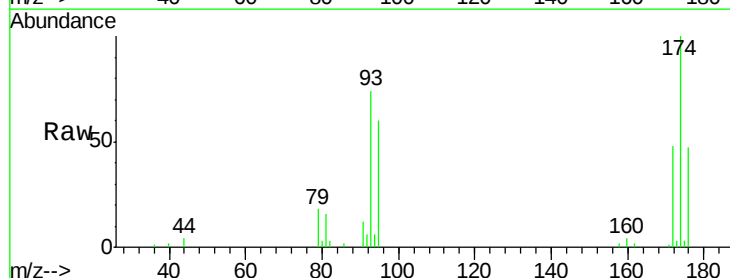
Manual Integrations
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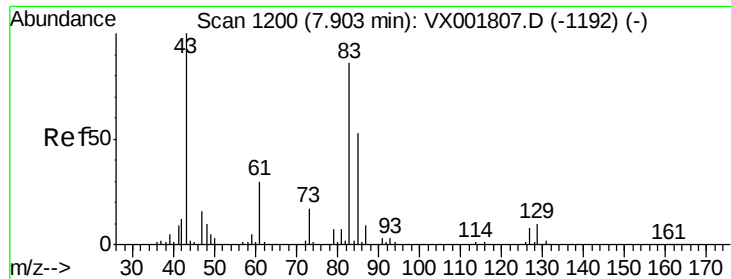
MMDadoda
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#40
 Dibromomethane
 Concen: 5.80 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX001805.D
 Acq: 18 May 2018 03:47

Tgt Ion: 93 Resp: 10583
 Ion Ratio Lower Upper
 93 100
 95 82.2 0.0 167.4
 174 135.2 0.0 269.6





#41

Bromodichloromethane

Concen: 5.16 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Instrument :

MSVOA_X

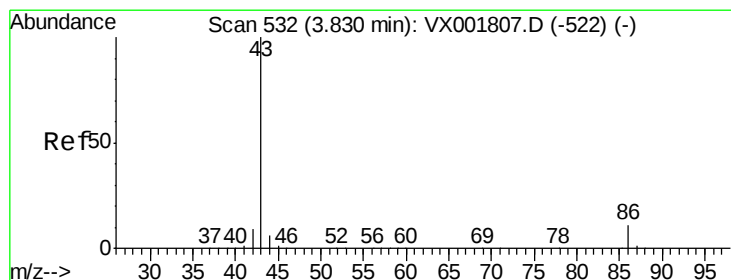
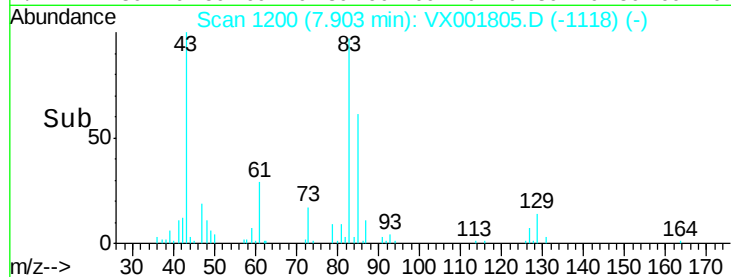
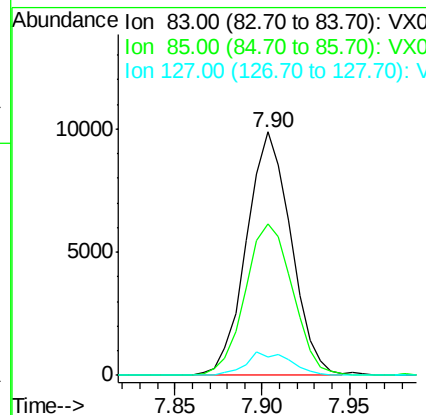
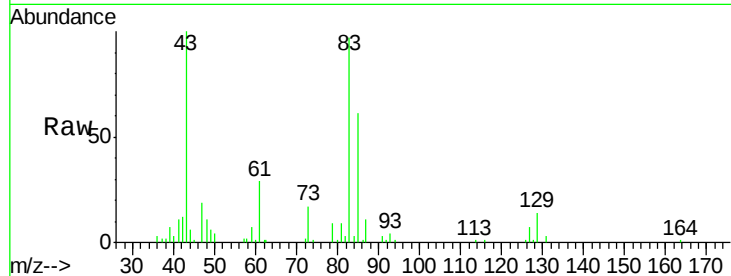
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	17500
Ion	Ratio	Lower	Upper
83	100		
85	62.2	49.6	74.4
127	7.5	7.0	10.6

Manual Integrations
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5/21/2018 2:40:32 PM



#42

Vinyl Acetate

Concen: 29.55 ug/l

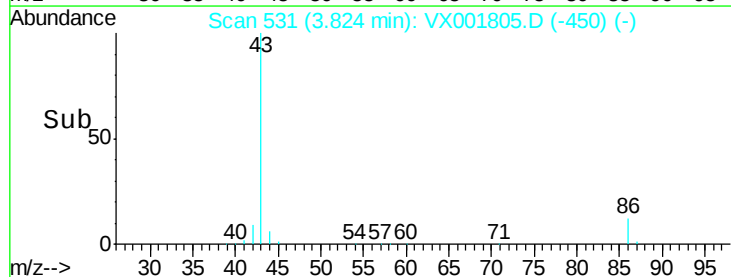
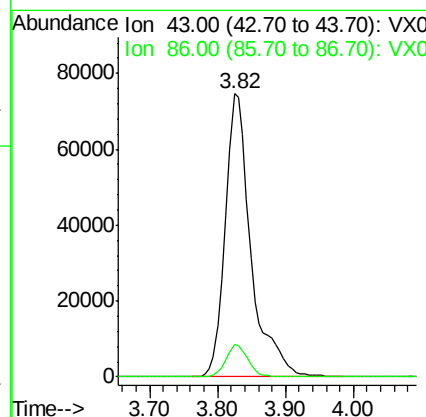
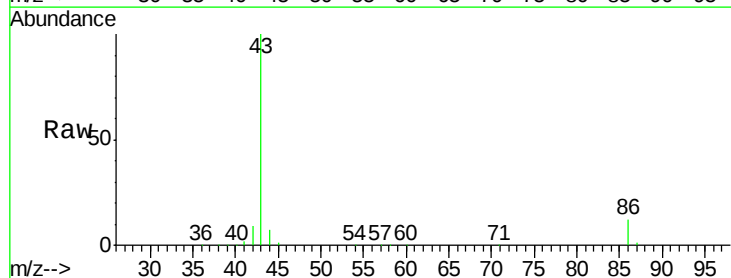
RT: 3.82 min Scan# 531

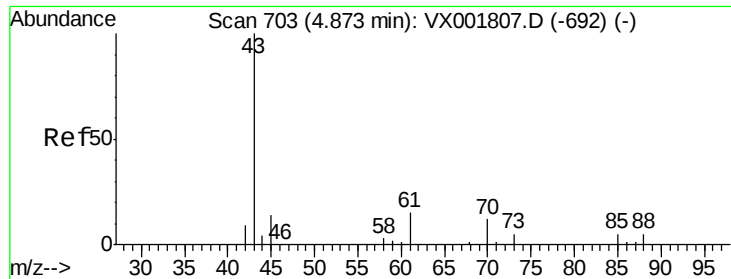
Delta R.T. -0.01 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Tgt Ion:	43	Resp:	195959
Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.5	11.3





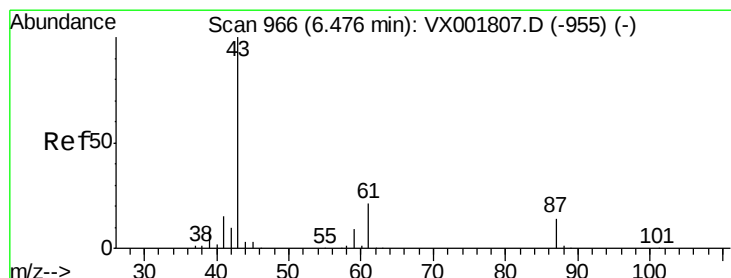
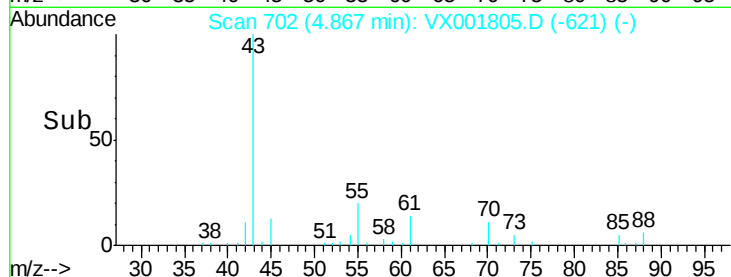
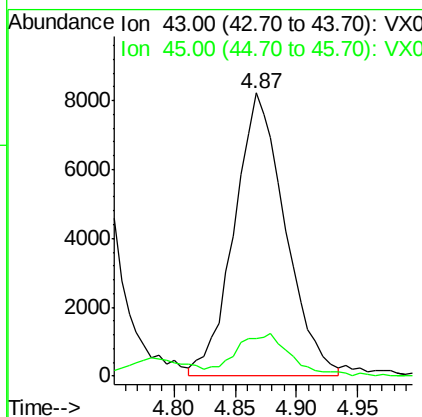
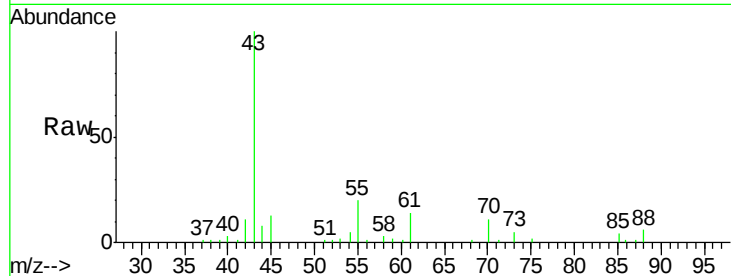
#43
Ethyl Acetate
Concen: 5.91 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX001805.D
Acq: 18 May 2018 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 23821
Ion Ratio Lower Upper
43 100
45 5.0 11.8 17.6#

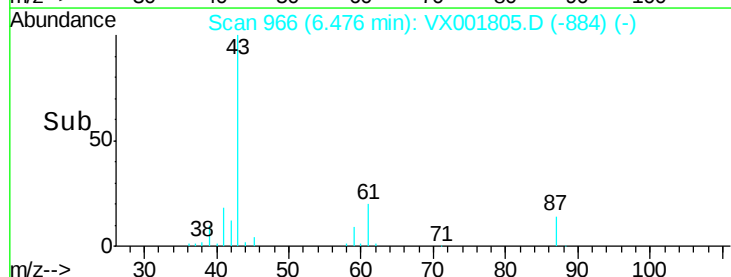
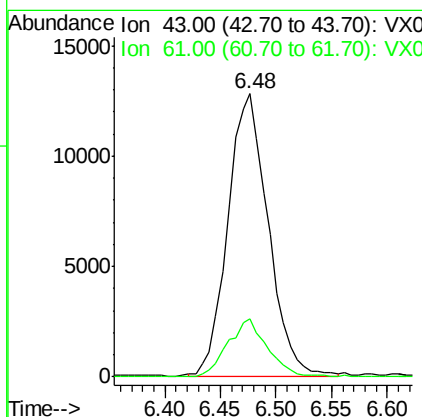
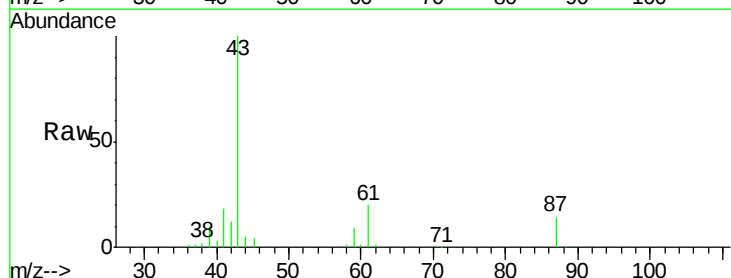
Manual Integrations
APPROVED

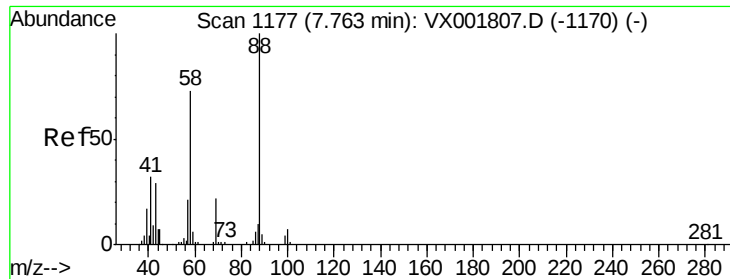
MMDadoda
5/21/2018 2:40:32 PM



#44
Isopropyl Acetate
Concen: 5.28 ug/l
RT: 6.48 min Scan# 966
Delta R.T. 0.00 min
Lab File: VX001805.D
Acq: 18 May 2018 03:47

Tgt Ion: 43 Resp: 32394
Ion Ratio Lower Upper
43 100
61 20.0 16.6 24.8





#45

1,4-Dioxane

Concen: 113.31 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Instrument :

MSVOA_X

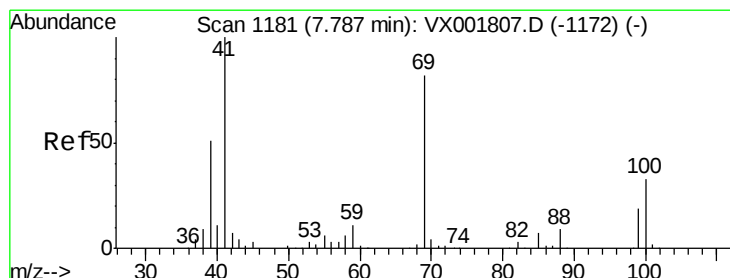
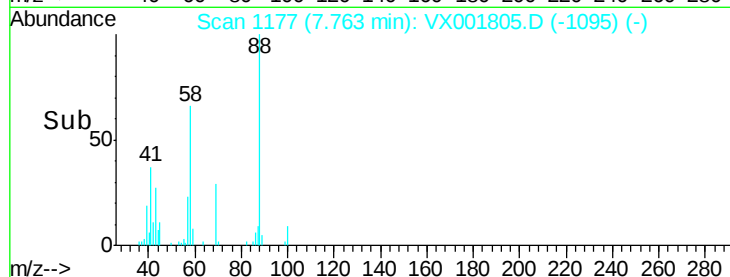
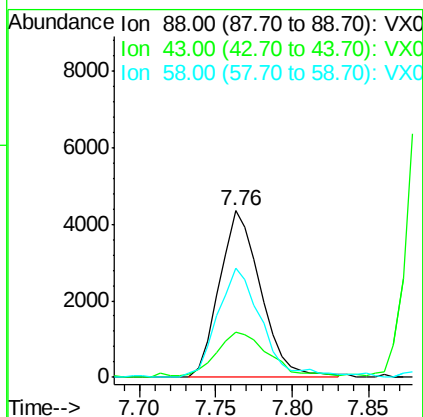
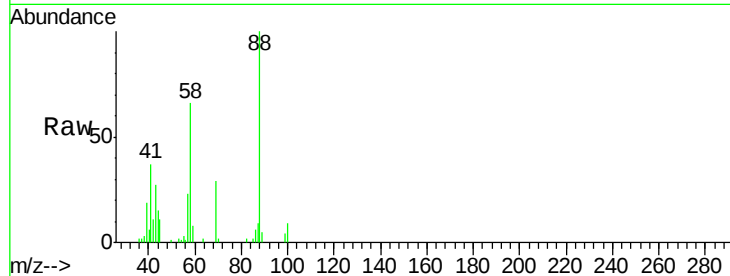
ClientSampleId :

VSTDIC005

Tot Ion:	88	Resp:	8160
Ion	Ratio	Lower	Upper
88	100		
43	30.1	25.0	37.6
58	67.4	56.9	85.3

Manual Integrations
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MMDadoda
5/21/2018 2:40:32 PM



#46

Methyl methacrylate

Concen: 4.97 ug/l

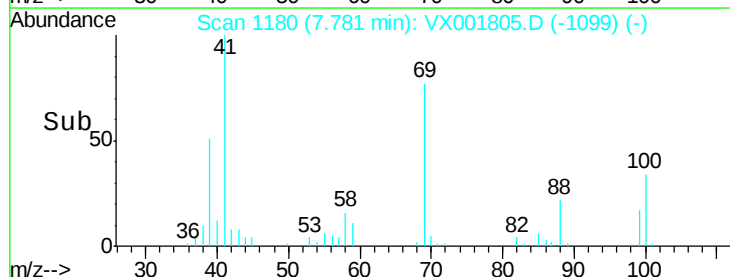
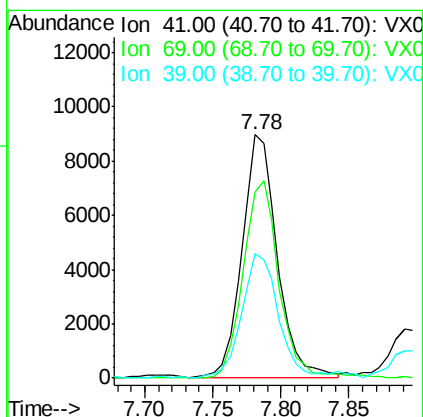
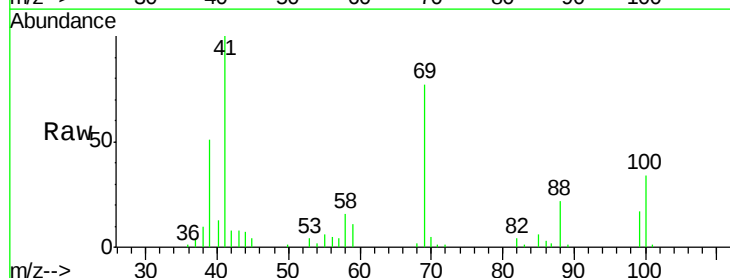
RT: 7.78 min Scan# 1180

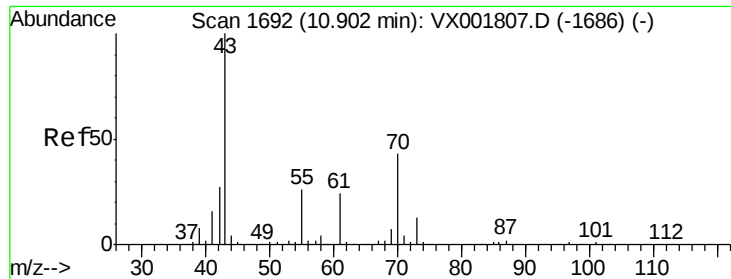
Delta R.T. -0.01 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Tgt Ion:	41	Resp:	16363
Ion	Ratio	Lower	Upper
41	100		
69	76.6	40.9	122.7
39	51.2	25.3	75.9





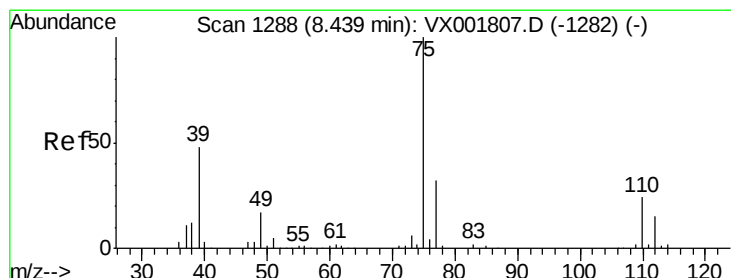
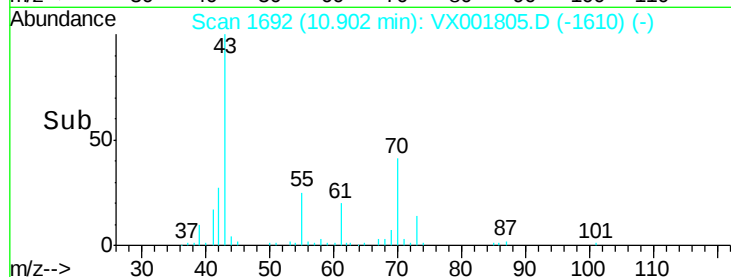
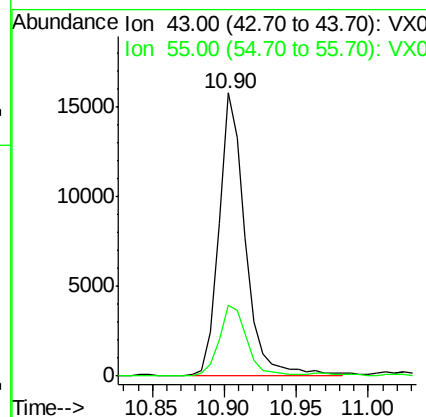
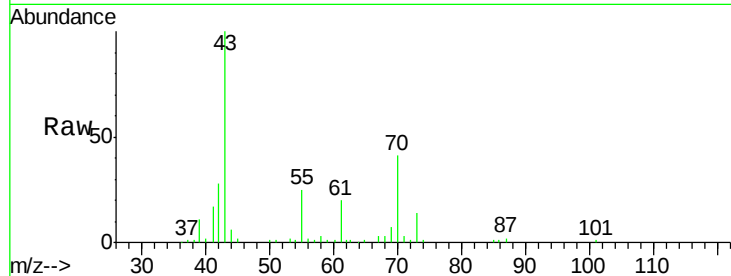
#47
n-amvl Acetate
Concen: 4.04 ug/l
RT: 10.90 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VX001805.D
Acq: 18 May 2018 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 20294
Ion Ratio Lower Upper
43 100
55 26.2 21.0 31.4

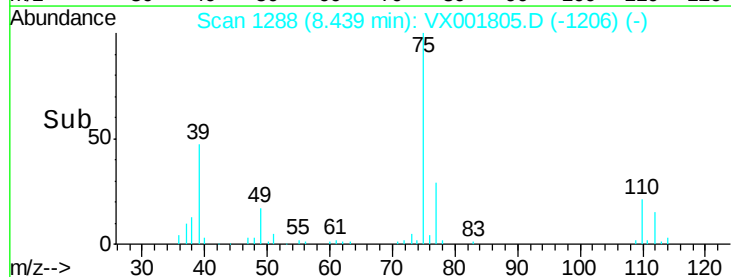
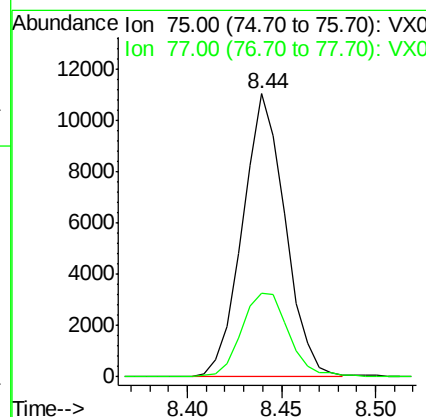
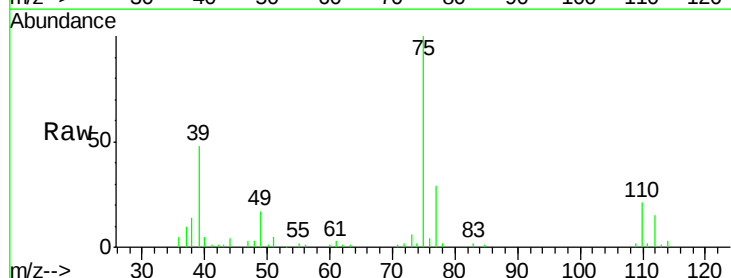
Manual Integrations
APPROVED

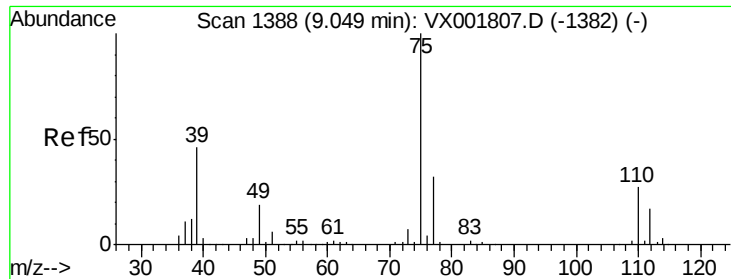
MMDadoda
5/21/2018 2:40:32 PM



#48
t-1,3-Dichloropropene
Concen: 4.68 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX001805.D
Acq: 18 May 2018 03:47

Tgt Ion: 75 Resp: 17384
Ion Ratio Lower Upper
75 100
77 29.5 25.6 38.4





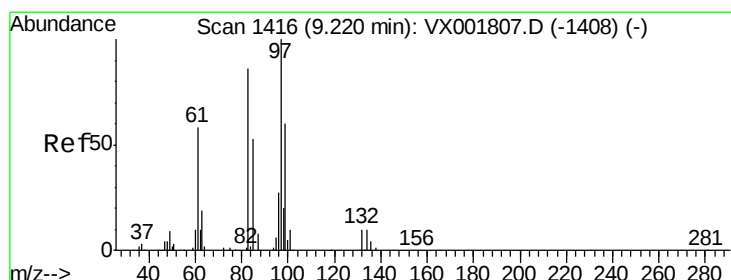
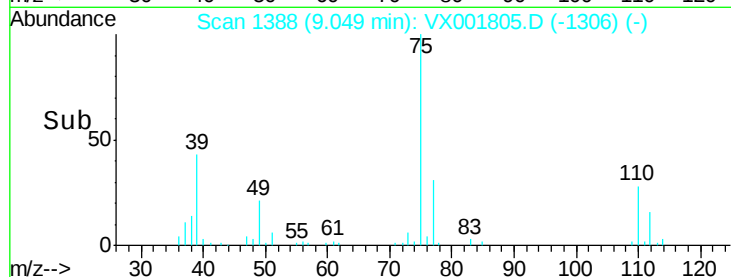
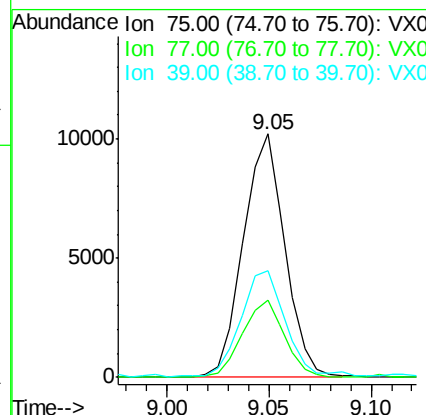
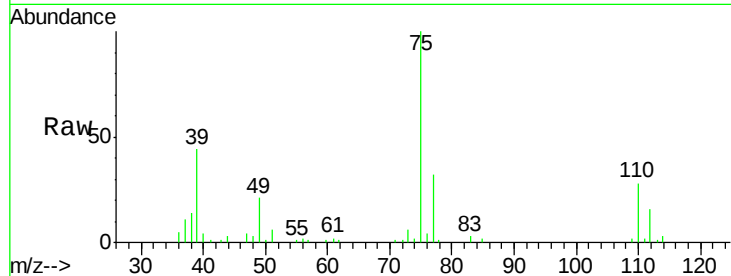
#49
 cis-1,3-Dichloropropene
 Concen: 4.40 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX001805.D
 Acq: 18 May 2018 03:47

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3
39	42.9	37.0	55.4

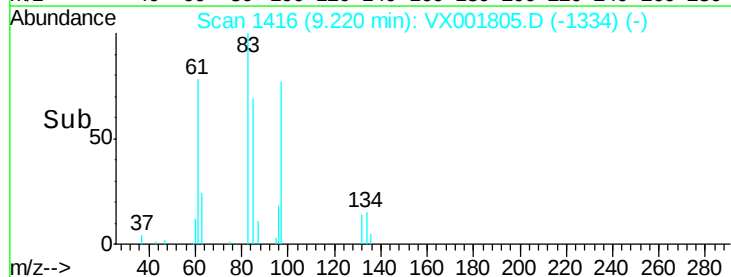
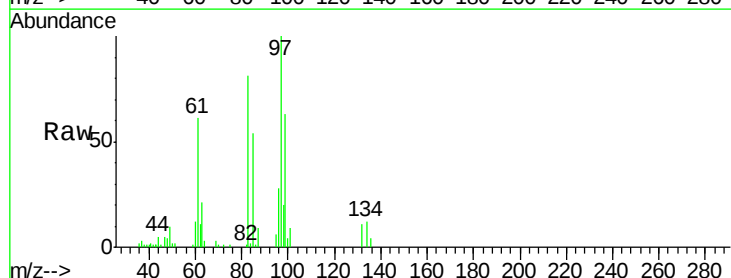
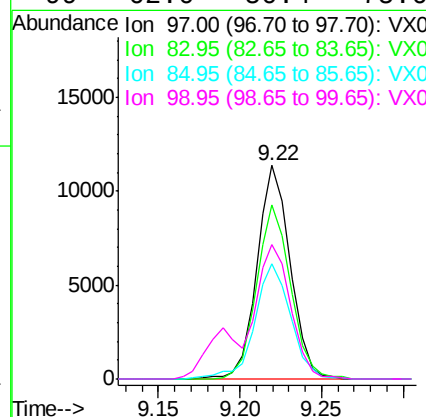
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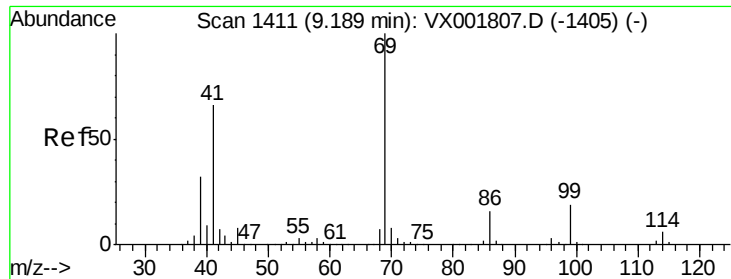
MMDadoda
 5/21/2018 2:40:32 PM



#50
 1,1,2-Trichloroethane
 Concen: 6.08 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001805.D
 Acq: 18 May 2018 03:47

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.4	68.6	103.0
85	53.6	42.5	63.7
99	62.0	50.4	75.6





#51

Ethyl methacrylate

Concen: 5.01 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Instrument :

MSVOA_X

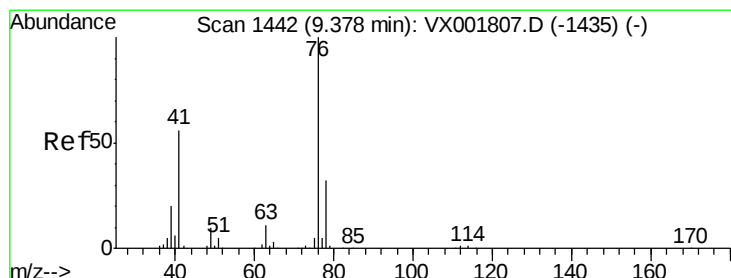
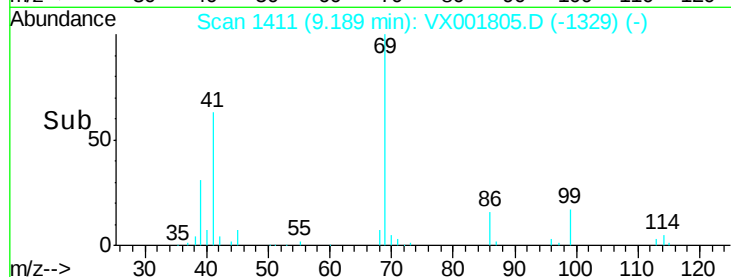
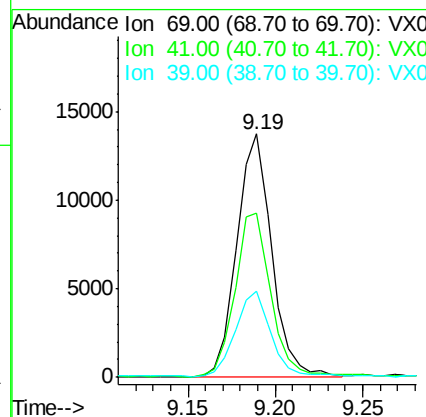
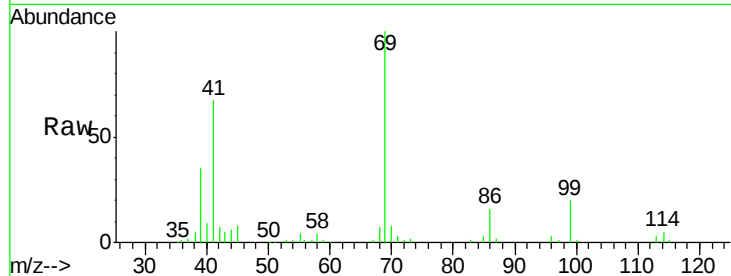
ClientSampled :

VSTDIC005

Tot Ion:	69	Resp:	19091
Ion Ratio	Lower	Upper	
69	100		
41	67.4	32.9	98.7
39	35.1	16.1	48.2

Manual Integrations
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5/21/2018 2:40:32 PM



#52

1,3-Dichloropropane

Concen: 5.43 ug/l

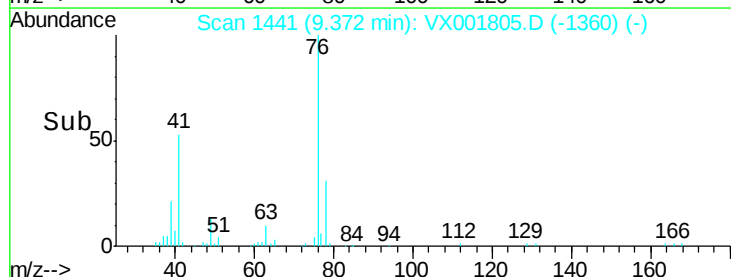
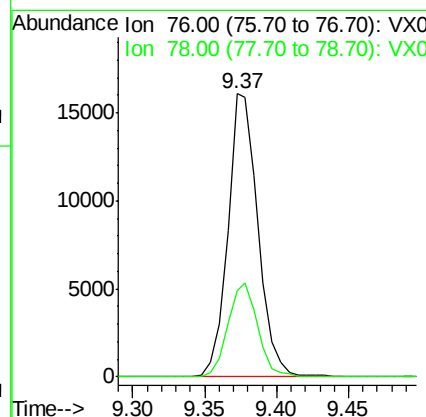
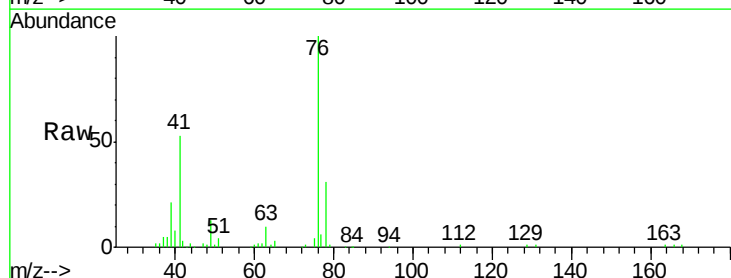
RT: 9.37 min Scan# 1441

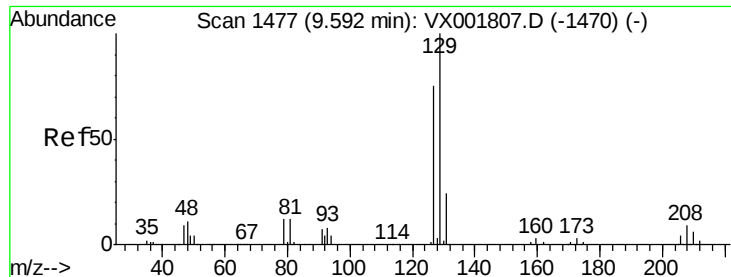
Delta R.T. -0.01 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Tgt Ion:	76	Resp:	23583
Ion Ratio	Lower	Upper	
76	100		
78	32.7	0.0	63.6





#53

Dibromochloromethane

Concen: 4.81 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.01 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:129 Resp: 13156

Ion Ratio Lower Upper

129 100

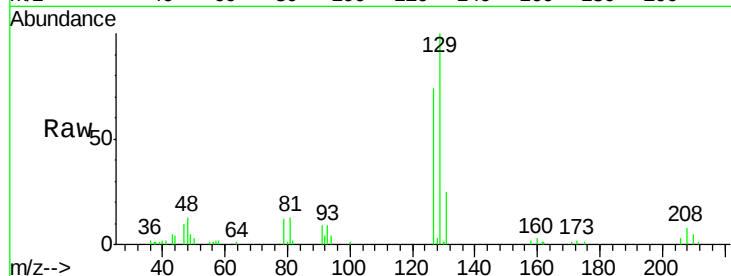
127 76.0 38.7 116.1

Manual Integrations

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5/21/2018 2:40:32 PM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

9.59

10000

8000

6000

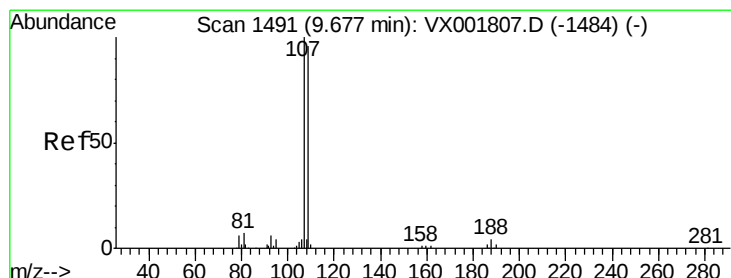
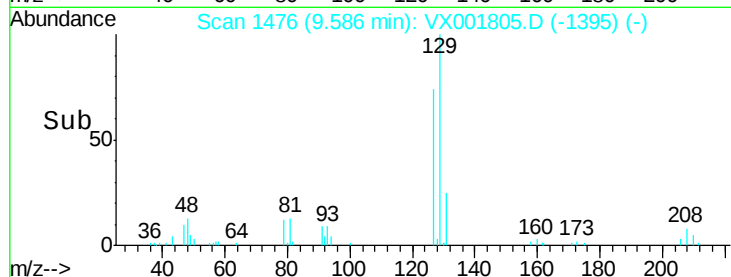
4000

2000

0

Time-->

9.55 9.60



#54

1,2-Dibromoethane

Concen: 5.35 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001805.D

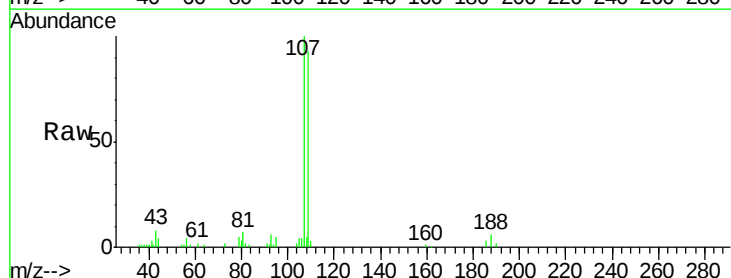
Acq: 18 May 2018 03:47

Tgt Ion:107 Resp: 14834

Ion Ratio Lower Upper

107 100

109 92.4 76.3 114.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.68

12000

10000

8000

6000

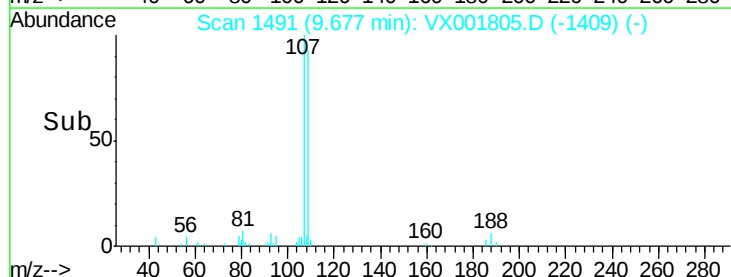
4000

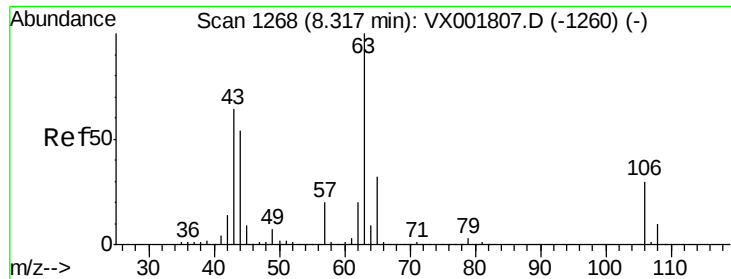
2000

0

Time-->

9.65 9.70





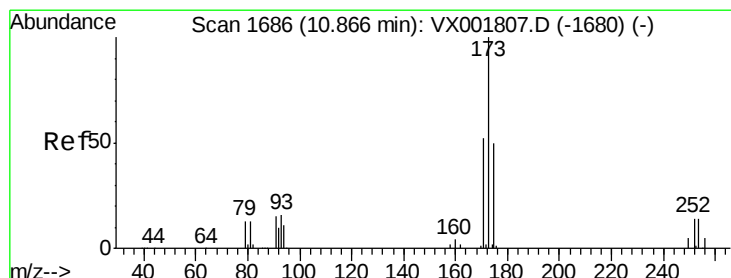
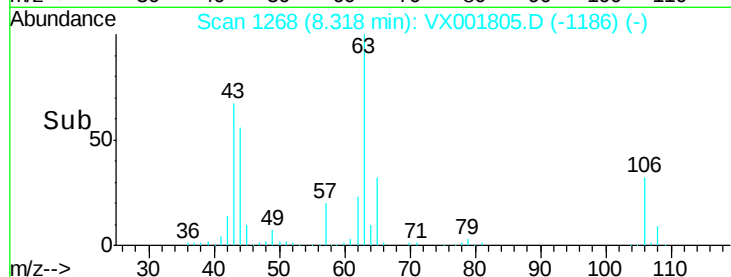
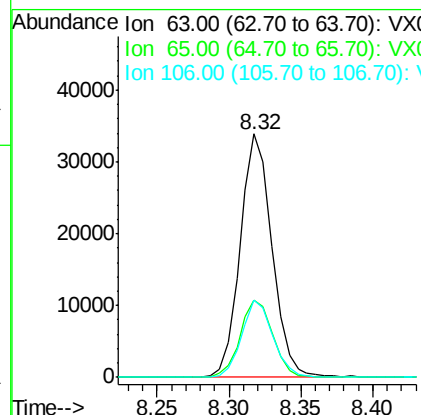
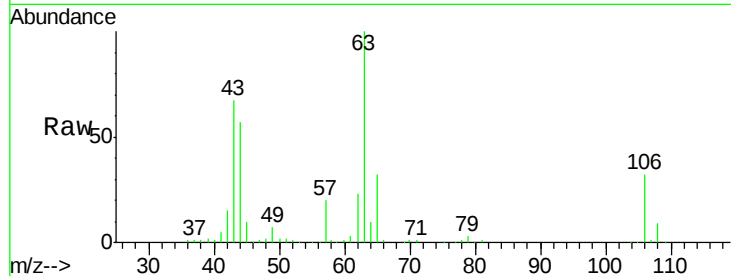
#55
2-Chloroethyl vinyl ether
Concen: 25.18 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VX001805.D
Acq: 18 May 2018 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.4	38.2
106	31.1	24.9	37.3

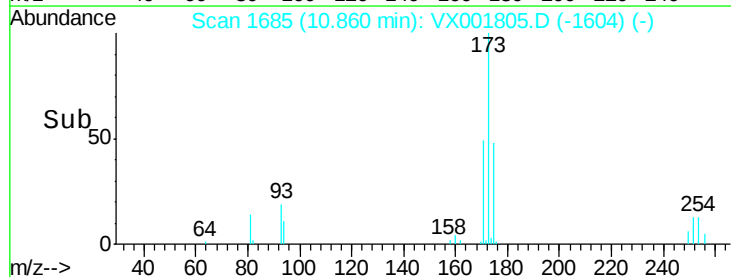
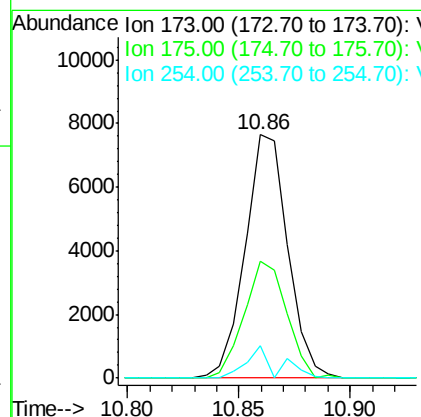
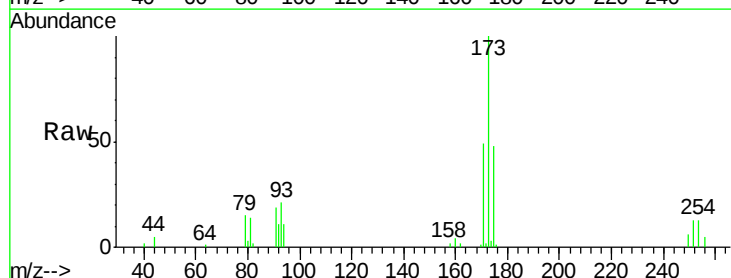
Manual Integrations
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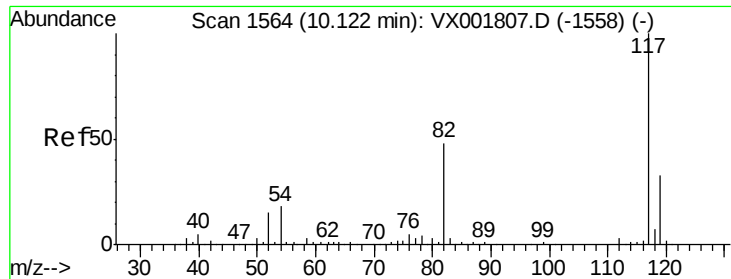
MMDadoda
5/21/2018 2:40:32 PM



#56
Bromoform
Concen: 4.54 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VX001805.D
Acq: 18 May 2018 03:47

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.7	38.8	58.2
254	6.1	10.7	16.1





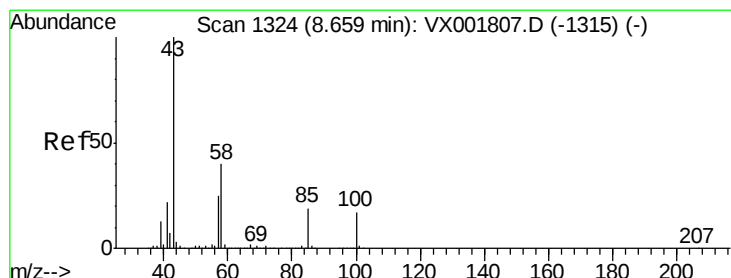
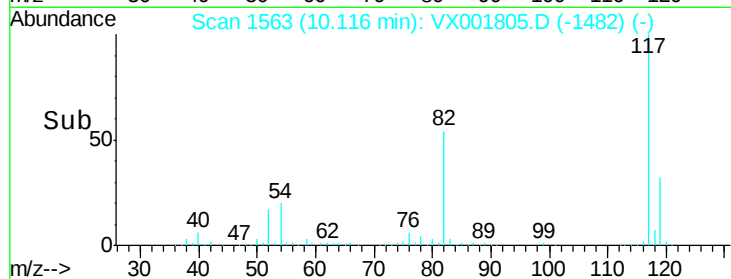
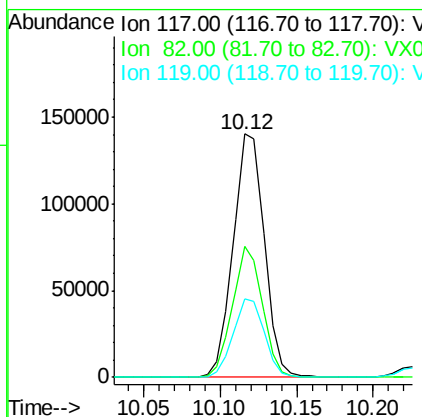
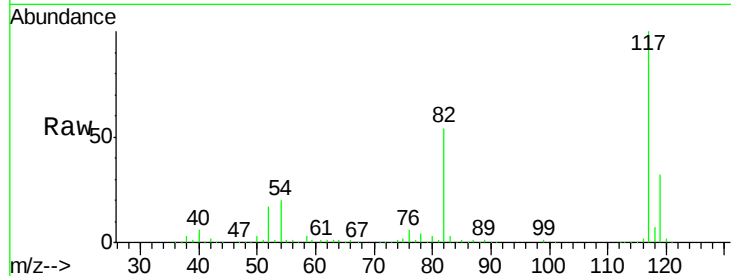
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001805.D
Acq: 18 May 2018 03:47

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	198847		
82	51.6	40.1	60.1	
119	32.3	26.0	39.0	

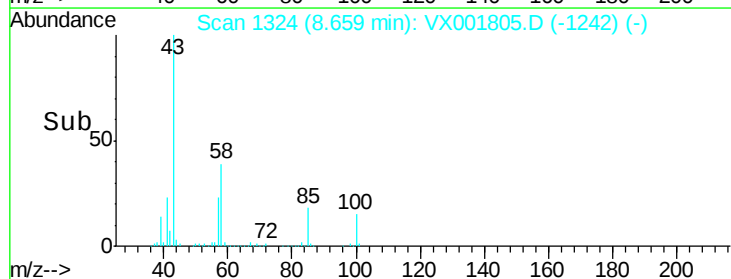
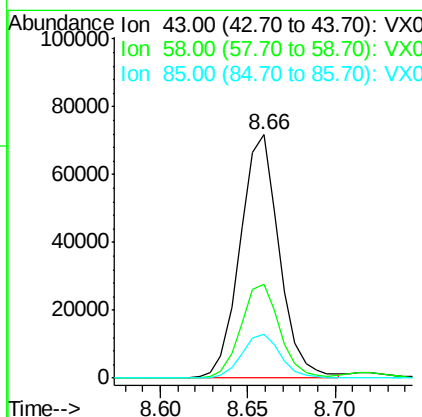
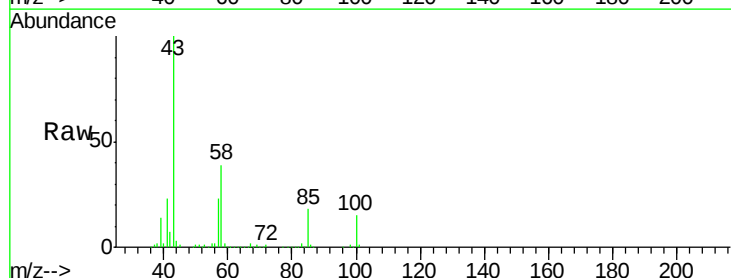
Manual Integrations
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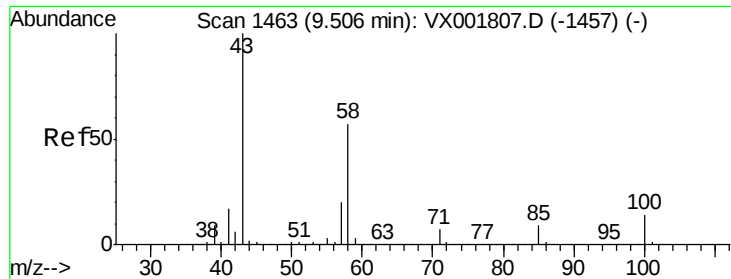
MMDadoda
5/21/2018 2:40:32 PM



#58
4-Methyl-2-Pentanone
Concen: 29.31 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VX001805.D
Acq: 18 May 2018 03:47

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	111791		
58	38.6	31.3	46.9	
85	18.3	14.5	21.7	





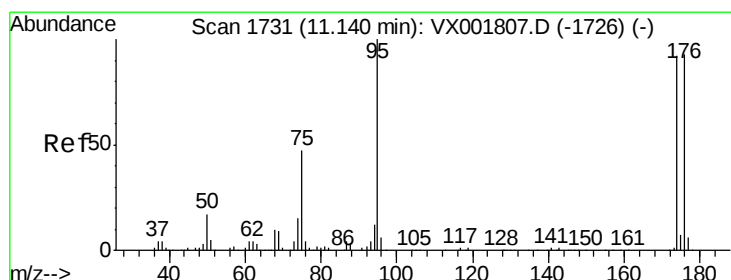
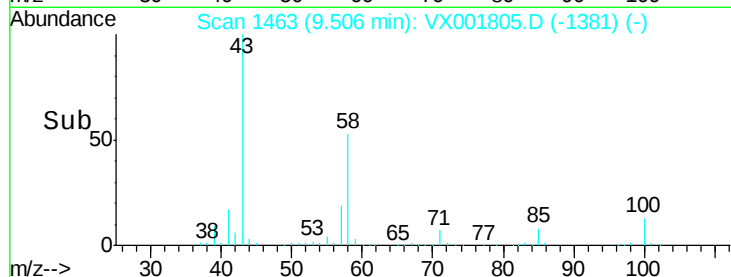
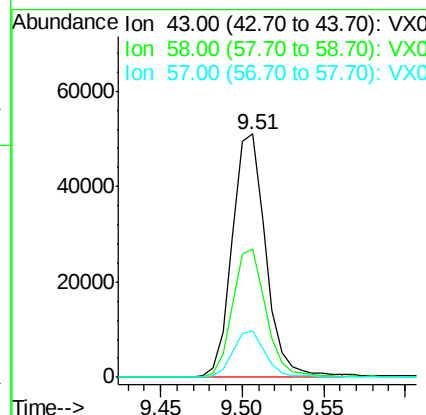
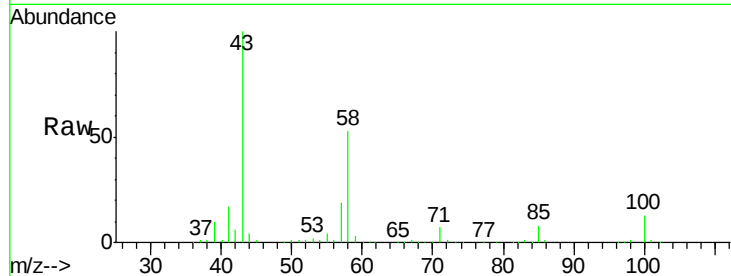
#59
2-Hexanone
Concen: 26.41 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001805.D
Acq: 18 May 2018 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.1	44.6	66.8
57	18.3	15.5	23.3

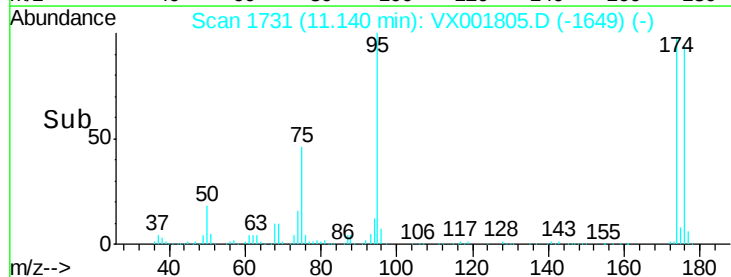
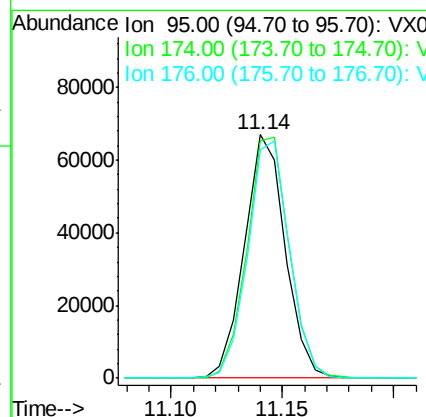
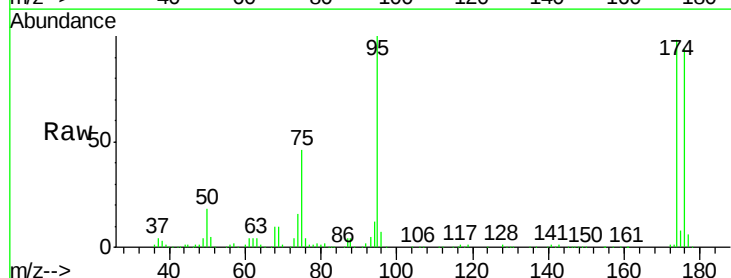
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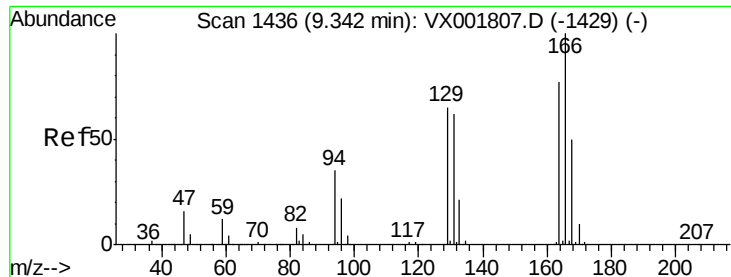
MMDadoda
5/21/2018 2:40:32 PM



#60
4-Bromofluorobenzene
Concen: 27.44 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001805.D
Acq: 18 May 2018 03:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	103.7	82.0	123.0
176	100.2	80.6	120.8





#61

Tetrachloroethene

Concen: 5.02 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion:164 Resp: 14220

Ion Ratio Lower Upper

164 100

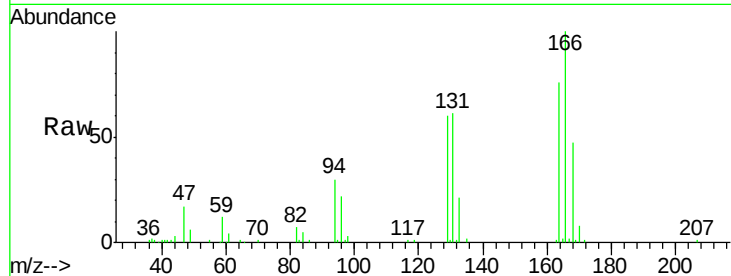
166 131.0 104.1 156.1

129 78.9 67.8 101.8

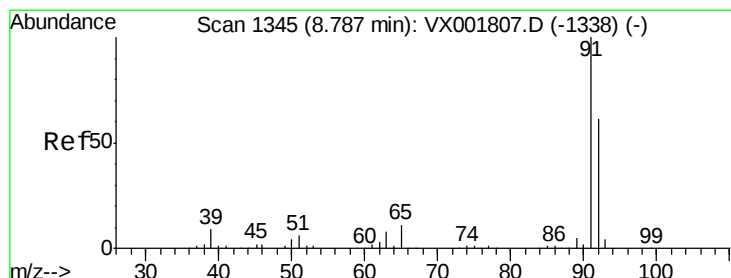
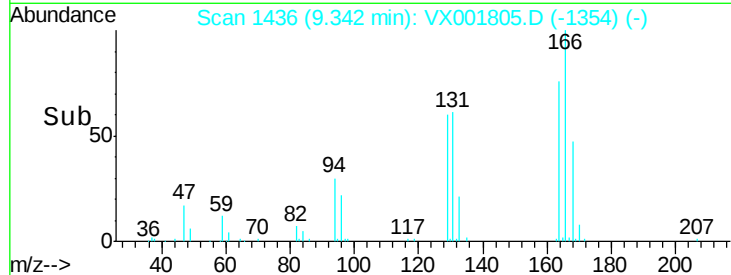
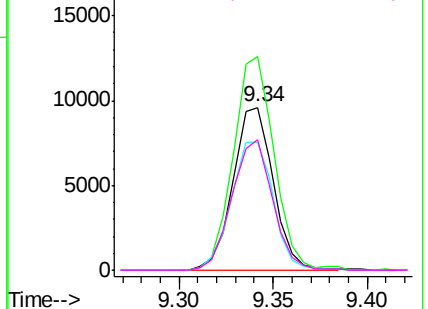
131 80.2 64.6 97.0

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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: 5.70 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX001805.D

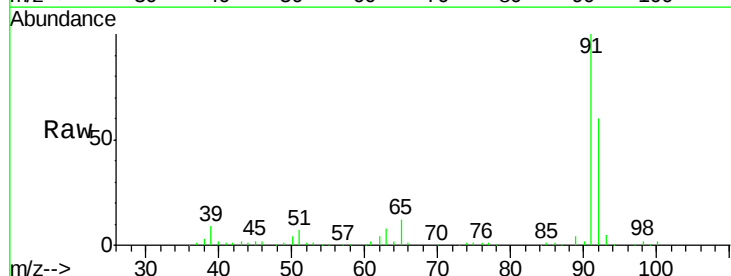
Acq: 18 May 2018 03:47

Tgt Ion: 91 Resp: 55471

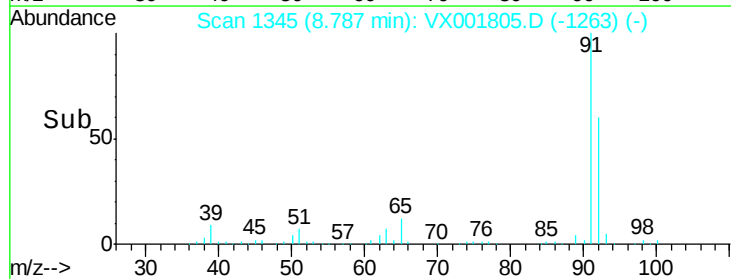
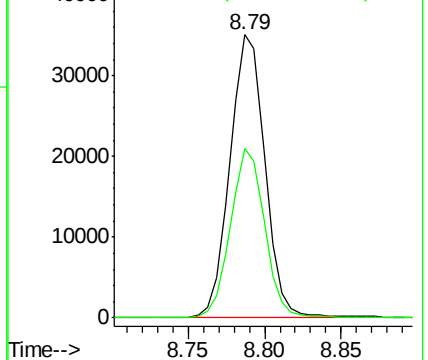
Ion Ratio Lower Upper

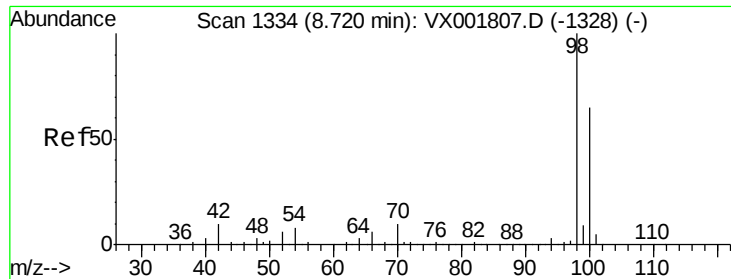
91 100

92 58.7 47.8 71.6



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





#63

Toluene-d8

Concen: 33.36 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 98 Resp: 303391

Ion Ratio Lower Upper

98 100

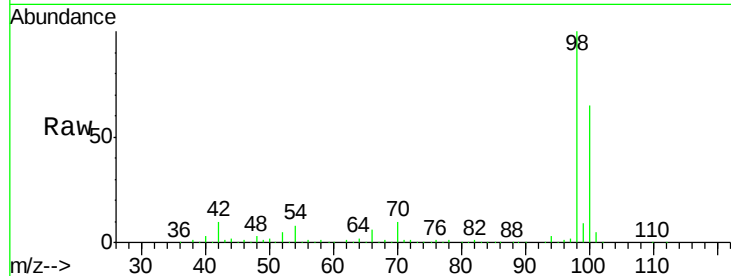
100 66.9 53.1 79.7

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VX001807.D (-1328) (-)

Ion 100.00 (99.70 to 100.70): VX001805.D (-1252) (-)

8.72

200000

150000

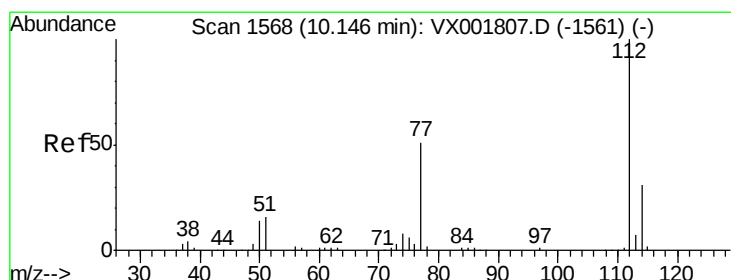
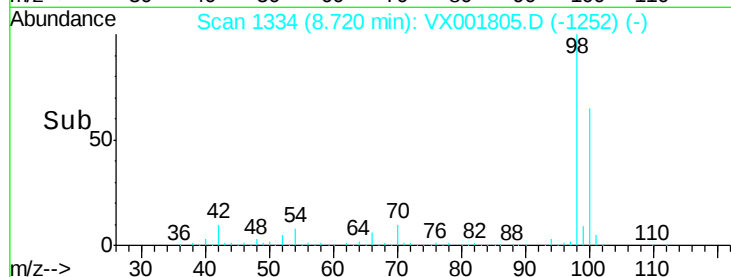
100000

50000

0

8.70 8.80

Time-->



#64

Chlorobenzene

Concen: 5.29 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX001805.D

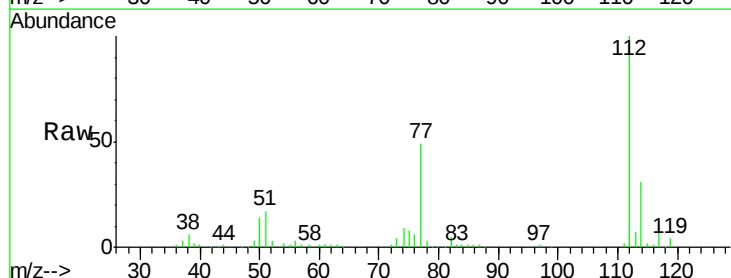
Acq: 18 May 2018 03:47

Tgt Ion: 112 Resp: 32979

Ion Ratio Lower Upper

112 100

114 31.5 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): VX001807.D (-1561) (-)

Ion 114.00 (113.70 to 114.70): VX001805.D (-1486) (-)

10.15

25000

20000

15000

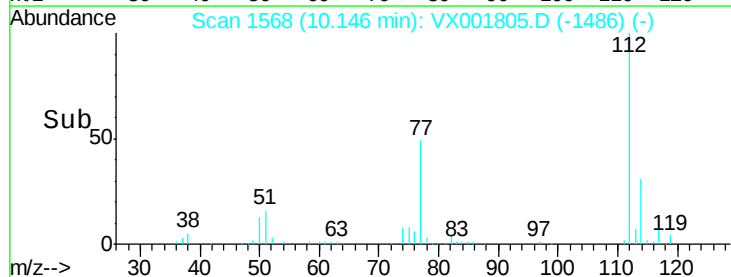
10000

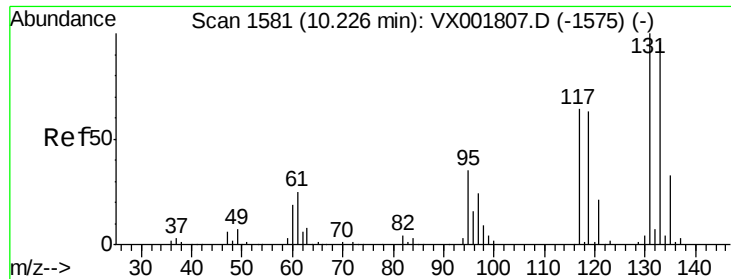
5000

0

10.10 10.15 10.20

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 5.15 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Instrument :

MSVOA_X

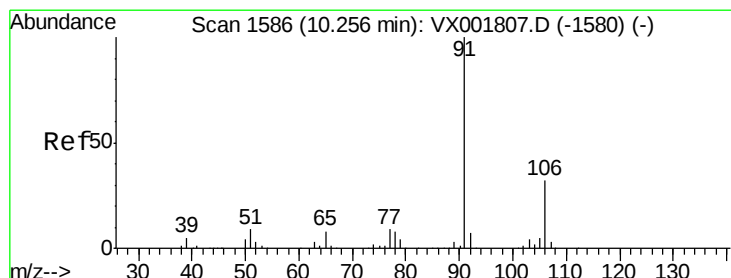
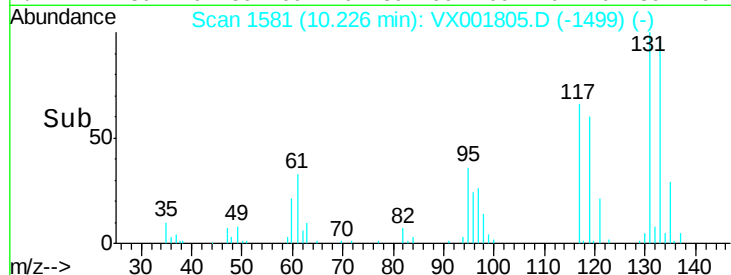
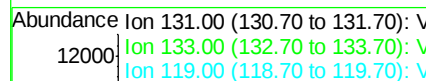
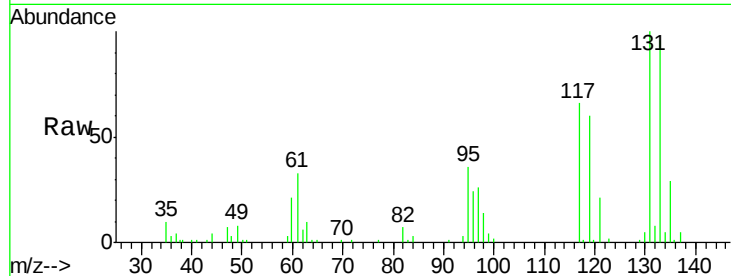
ClientSampleId :

VSTDIC005

Tot Ion:	131	Resp:	12397
Ion Ratio	Lower	Upper	
131	100		
133	94.9	0.0	192.2
119	62.6	0.0	125.4

Manual Integrations
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5/21/2018 2:40:32 PM



#66

Ethyl Benzene

Concen: 4.51 ug/l

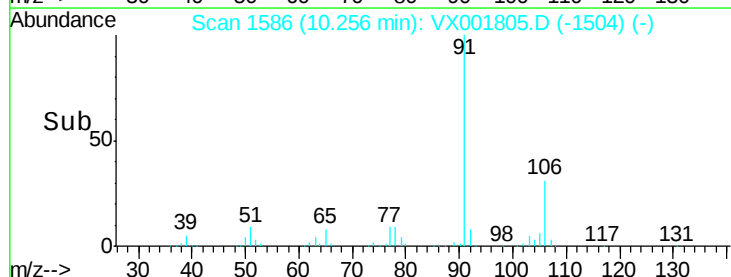
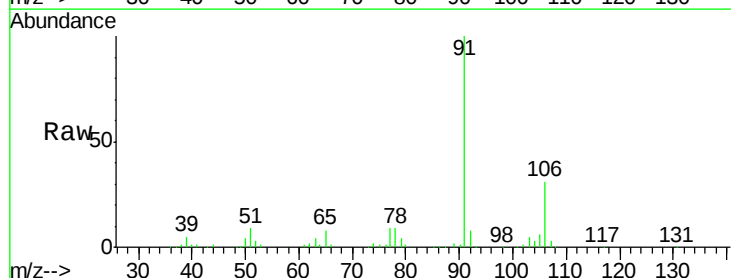
RT: 10.26 min Scan# 1586

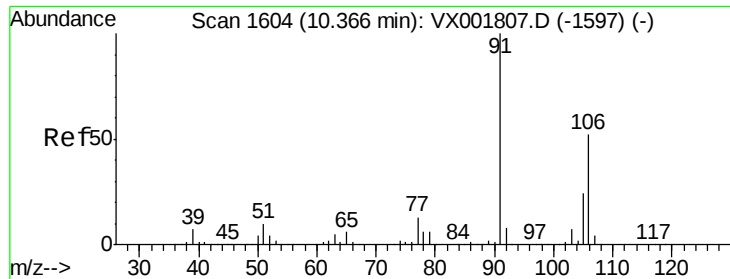
Delta R.T. 0.00 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Tgt Ion:	91	Resp:	43598
Ion Ratio	Lower	Upper	
91	100		
106	30.6	25.8	38.6





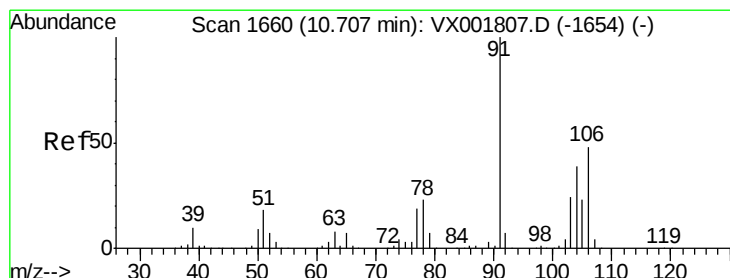
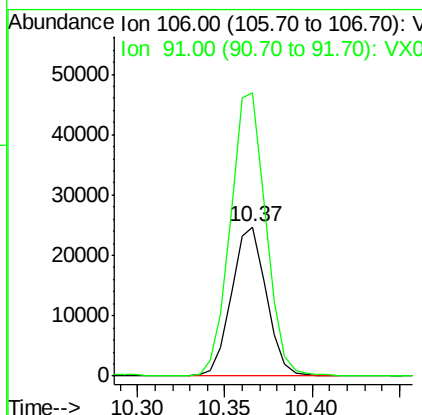
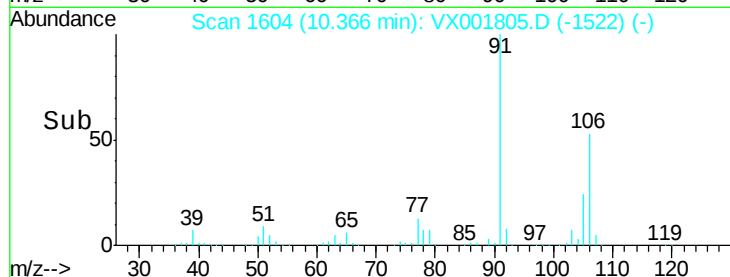
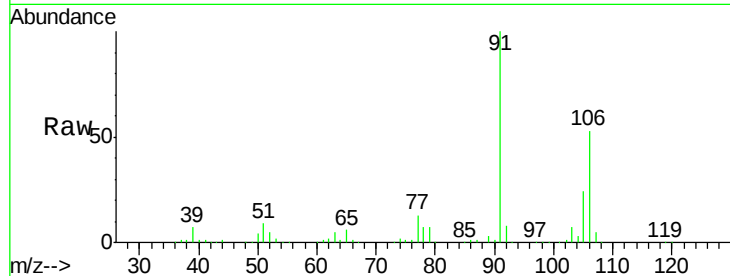
#67
m/p-Xvlenes
Concen: 8.93 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001805.D
Acq: 18 May 2018 03:47

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 34434
Ion Ratio Lower Upper
106 100
91 191.9 154.7 232.1

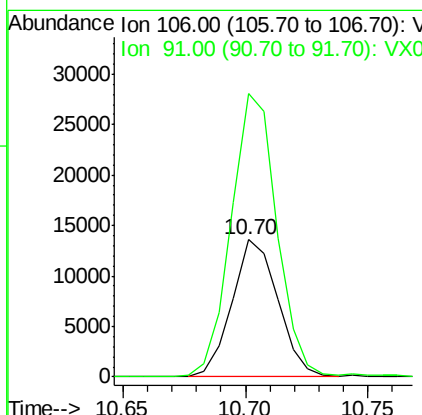
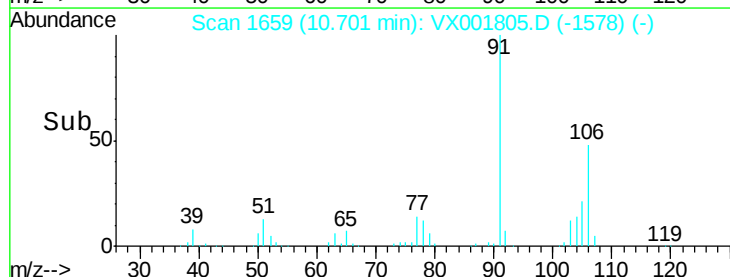
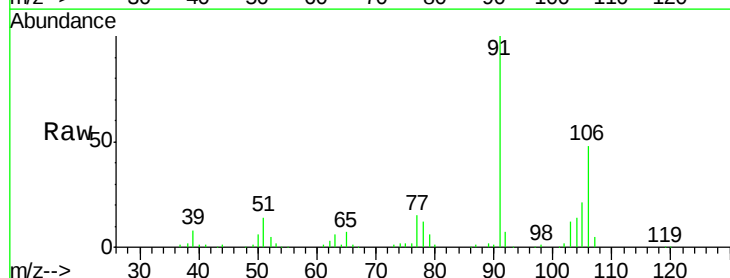
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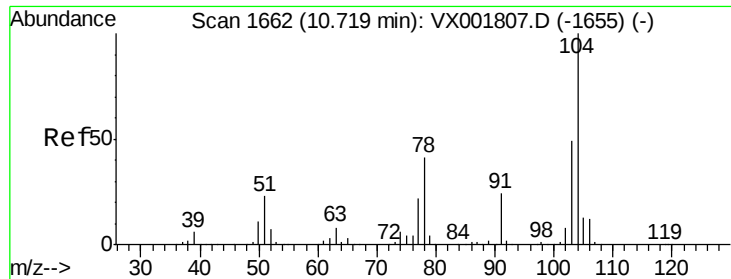
MMDadoda
5/21/2018 2:40:32 PM



#68
o-Xylene
Concen: 4.63 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001805.D
Acq: 18 May 2018 03:47

Tgt Ion:106 Resp: 17816
Ion Ratio Lower Upper
106 100
91 203.5 104.3 312.8





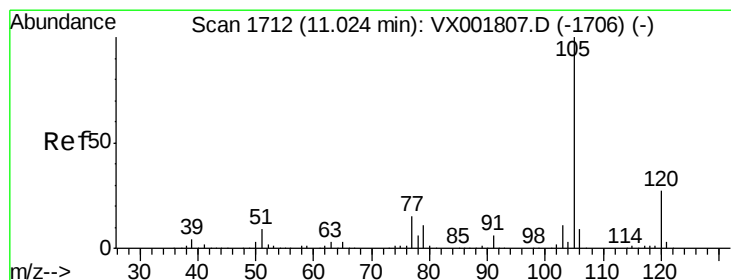
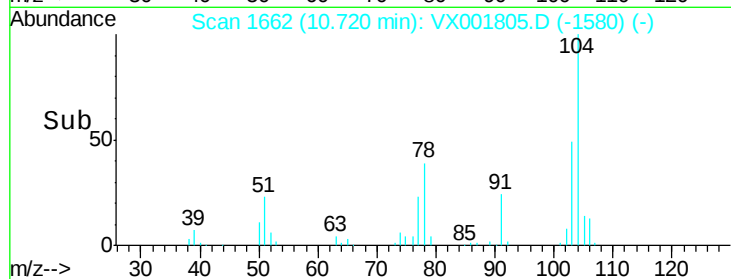
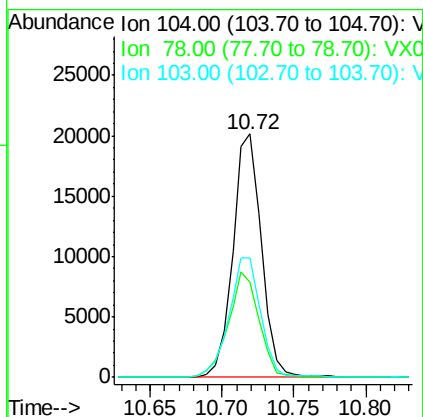
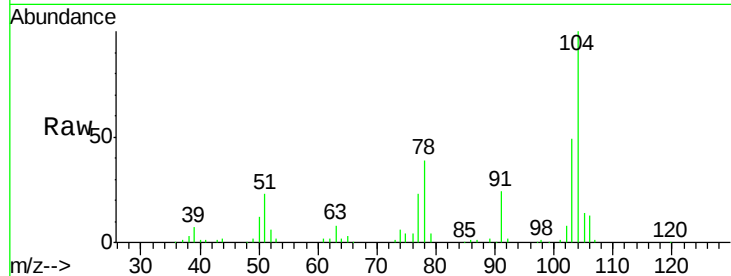
#69
Stvrene
Concen: 4.35 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001805.D
Acq: 18 May 2018 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.6	37.0	55.6
103	54.4	43.5	65.3

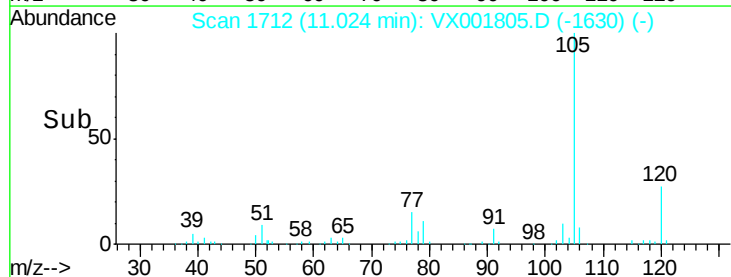
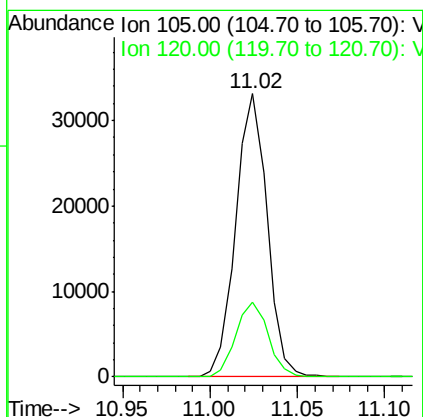
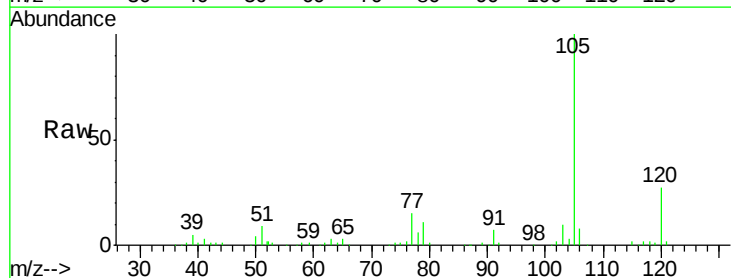
Manual Integrations
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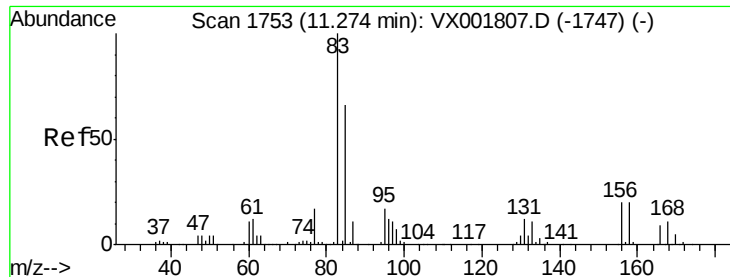
MMDadoda
5/21/2018 2:40:32 PM



#70
Isopropylbenzene
Concen: 4.26 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX001805.D
Acq: 18 May 2018 03:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	19.3	35.9





#71

1,1,2,2-Tetrachloroethane

Concen: 6.09 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Instrument :

MSVOA_X

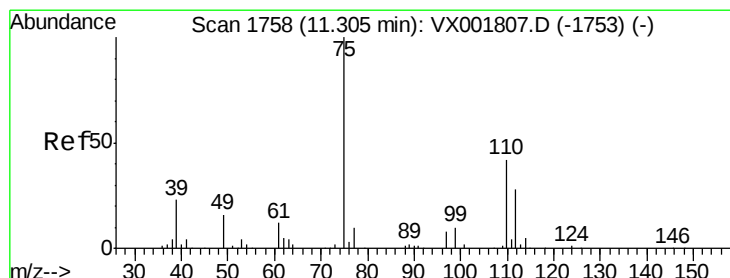
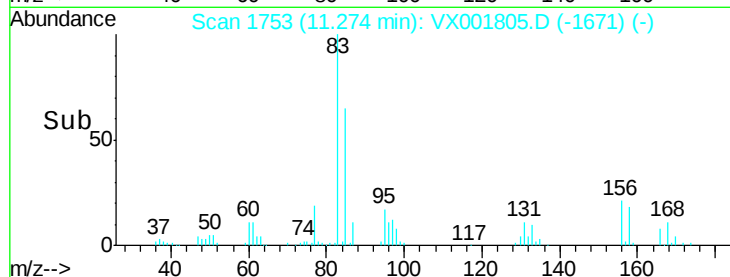
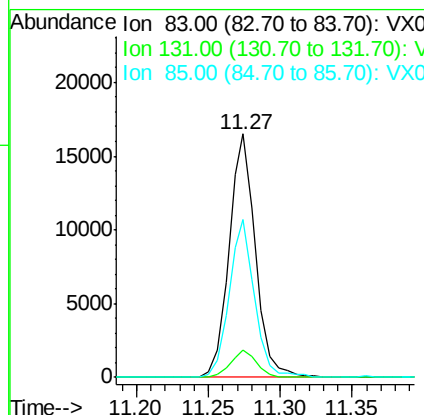
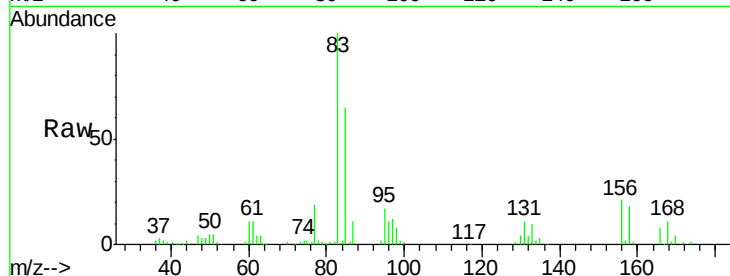
ClientSampled :

VSTDIC005

Tot Ion:	83	Resp:	21213
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.8	17.3
85	62.7	32.3	96.9

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#72

1,2,3-Trichloropropane

Concen: 5.69 ug/l m

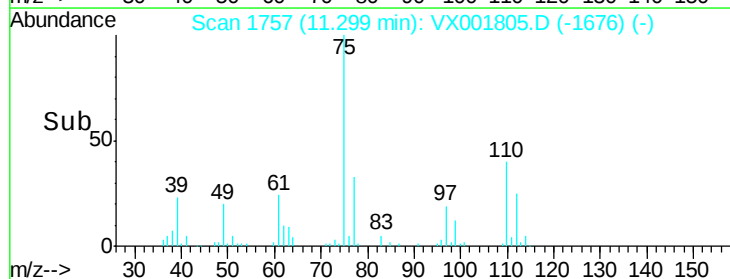
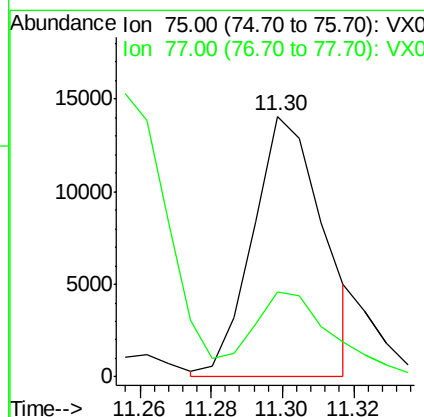
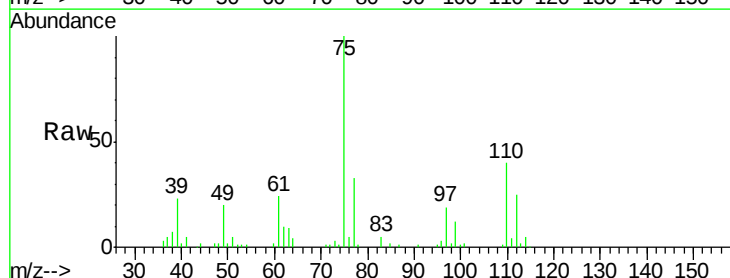
RT: 11.30 min Scan# 1757

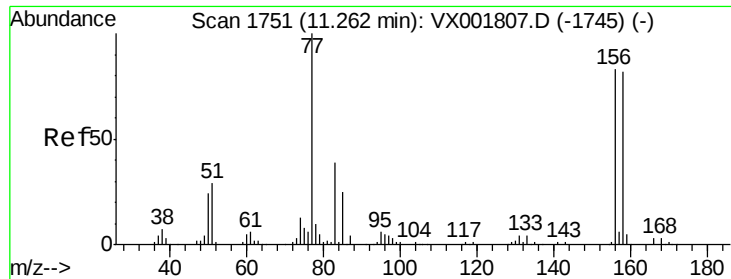
Delta R.T. -0.01 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Tgt Ion:	75	Resp:	19208
Ion Ratio	Lower	Upper	
75	100		
77	37.7	0.0	74.6





#73

Bromobenzene

Concen: 5.13 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Instrument :

MSVOA_X

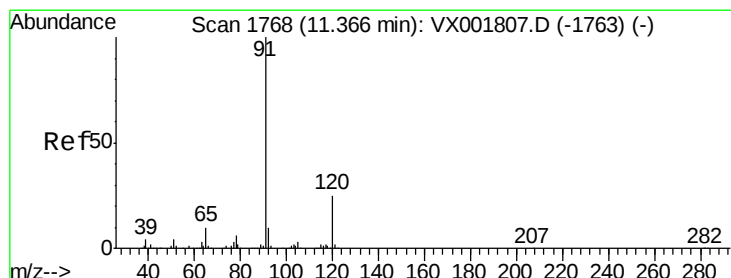
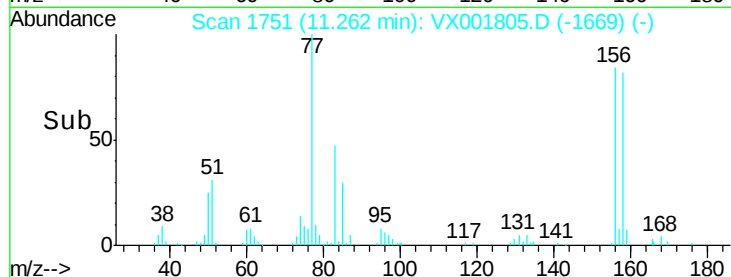
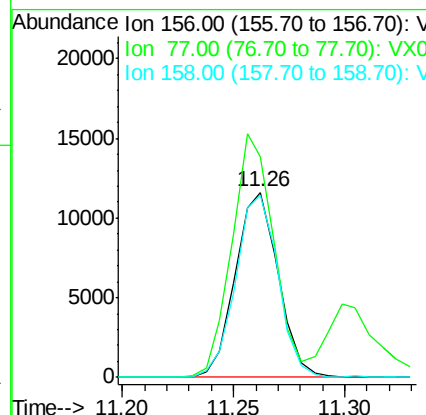
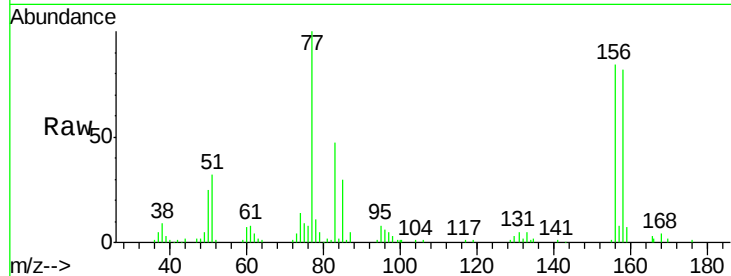
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	128.6	0.0	261.8
158	96.9	0.0	198.2

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#74

n-propylbenzene

Concen: 3.92 ug/l

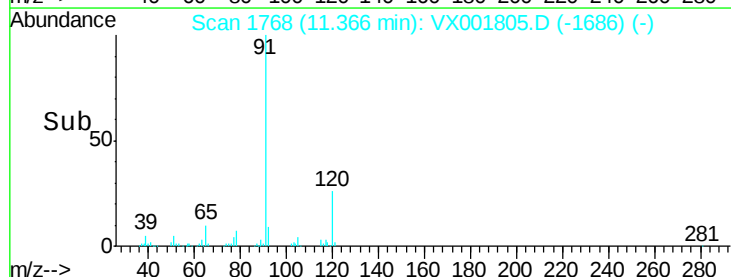
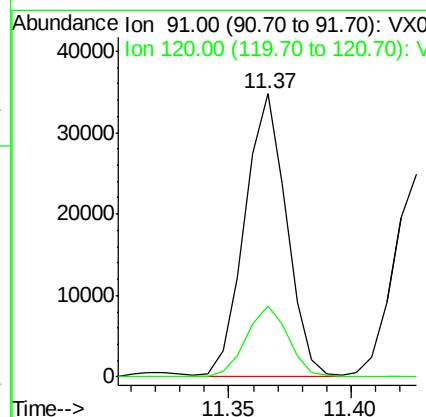
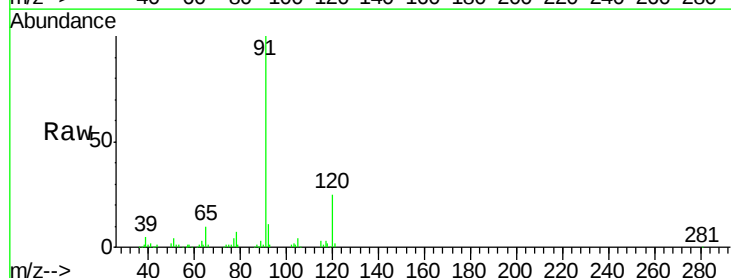
RT: 11.37 min Scan# 1768

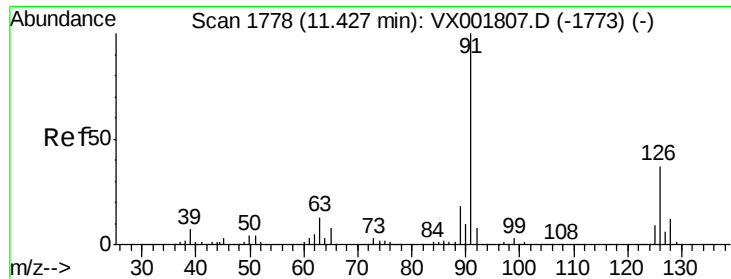
Delta R.T. 0.00 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.1	0.0	49.2





#75

2-Chlorotoluene

Concen: 4.48 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 30246

Ion Ratio Lower Upper

91 100

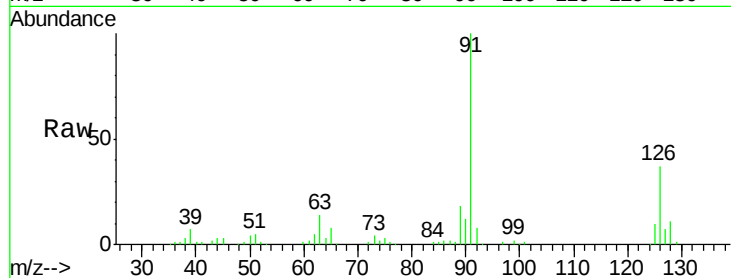
126 35.7 0.0 72.0

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Abundance Ion 91.00 (90.70 to 91.70): VX001807.D (-1773) (-)

Ion 126.00 (125.70 to 126.70): VX001807.D (-1773) (-)

40000

30000

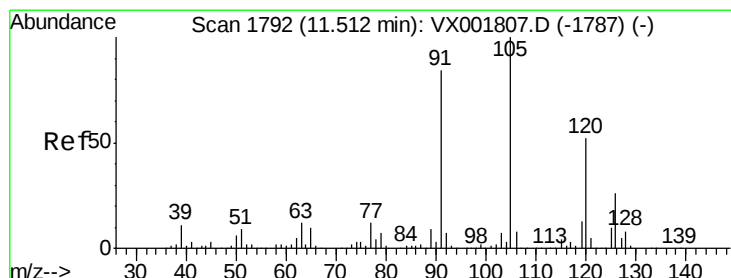
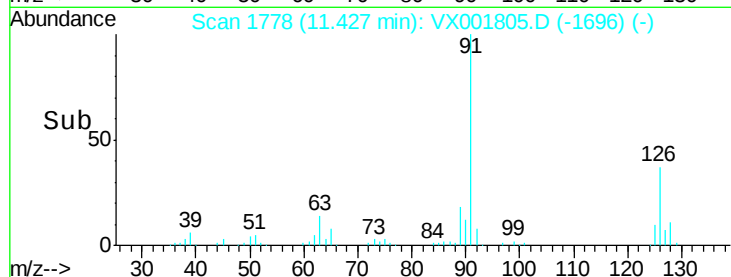
20000

10000

0

11.40 11.43 11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 4.14 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001805.D

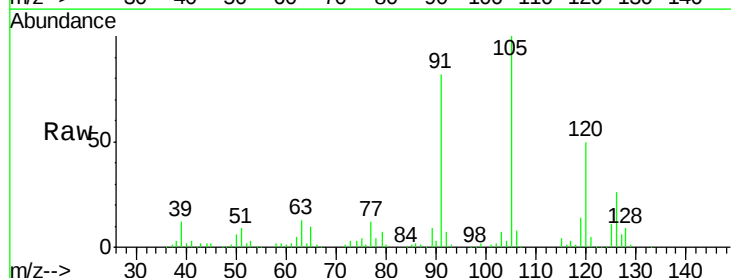
Acq: 18 May 2018 03:47

Tgt Ion: 105 Resp: 33808

Ion Ratio Lower Upper

105 100

120 50.4 0.0 103.0



Abundance Ion 105.00 (104.70 to 105.70): VX001807.D (-1787) (-)

Ion 120.00 (119.70 to 120.70): VX001807.D (-1787) (-)

30000

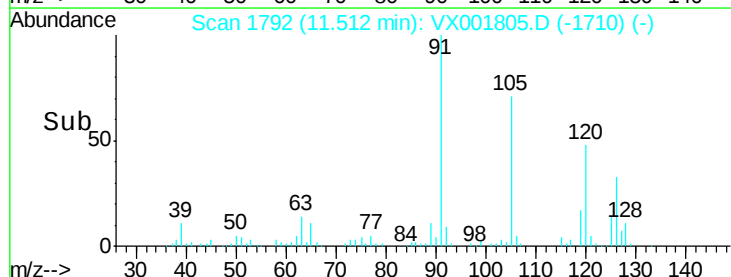
20000

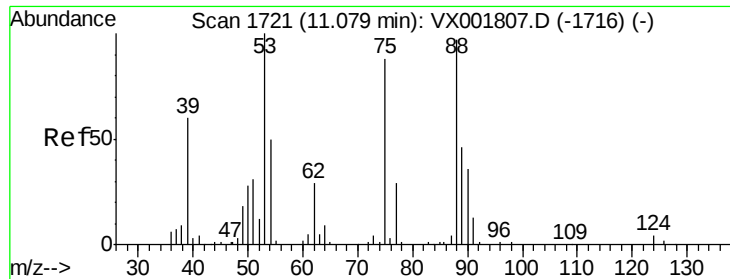
10000

0

11.45 11.50 11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 3.80 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 75 Resp: 3200

Ion Ratio Lower Upper

75 100

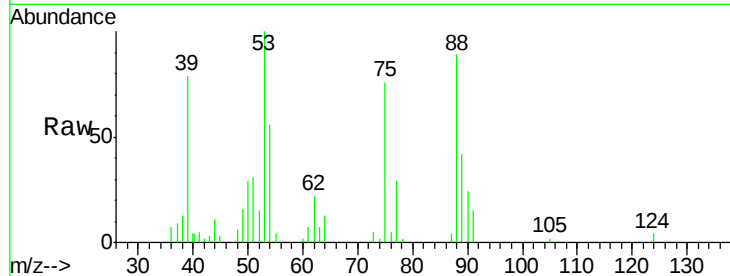
53 131.4 57.0 170.8

89 54.6 26.3 78.9

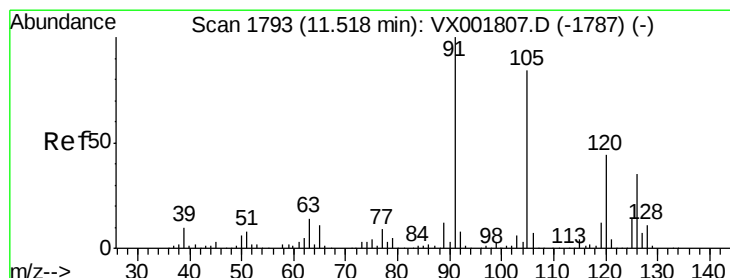
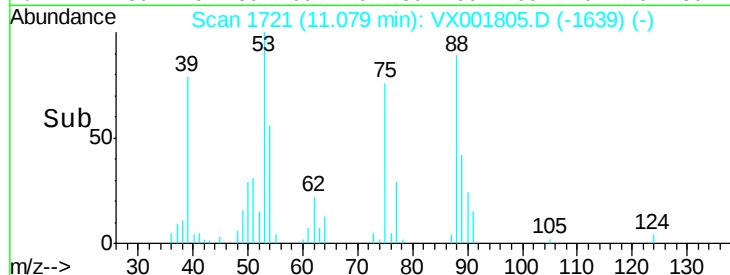
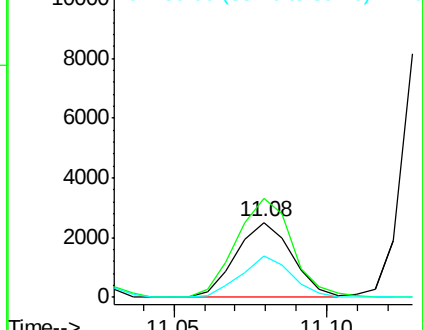
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Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 4.24 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001805.D

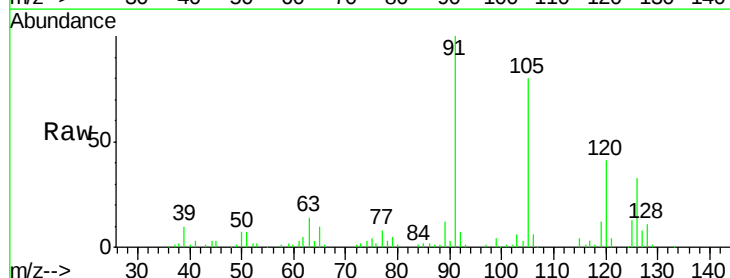
Acq: 18 May 2018 03:47

Tgt Ion: 91 Resp: 32456

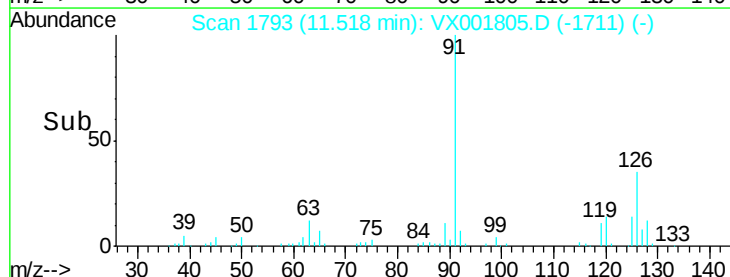
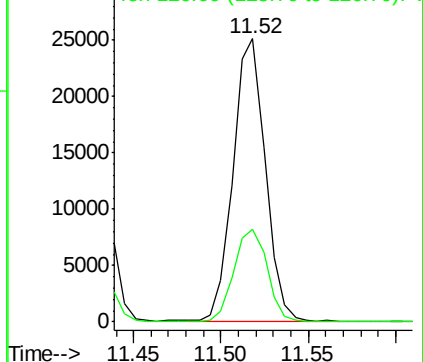
Ion Ratio Lower Upper

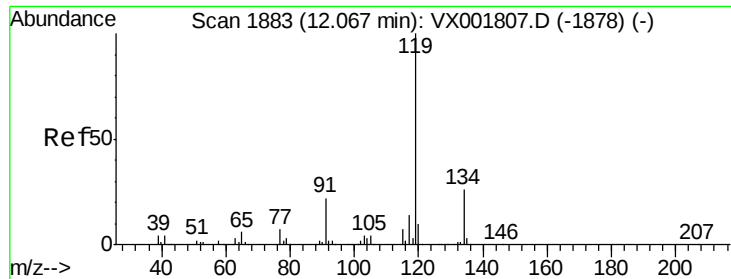
91 100

126 33.6 0.0 64.8



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





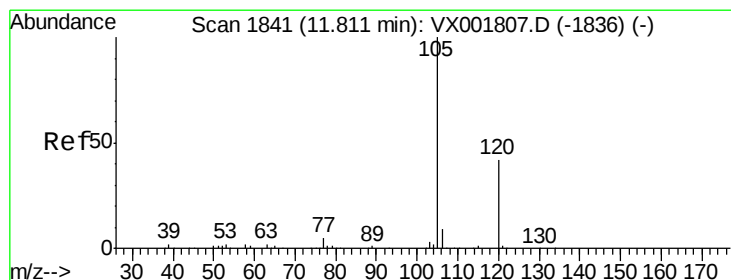
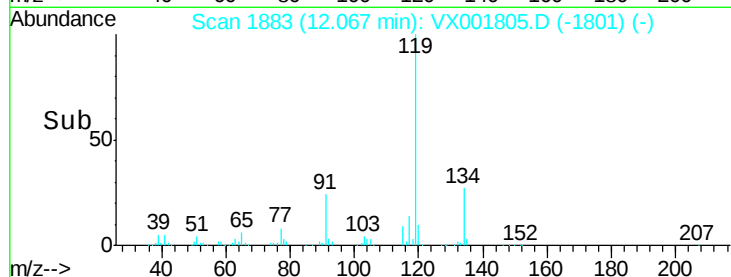
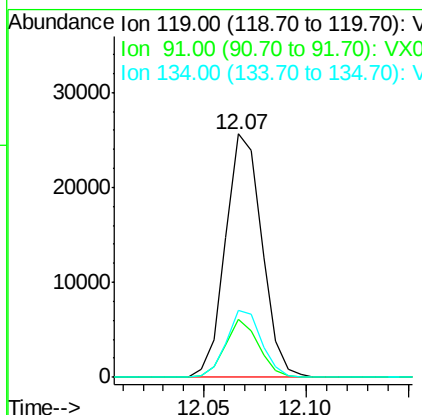
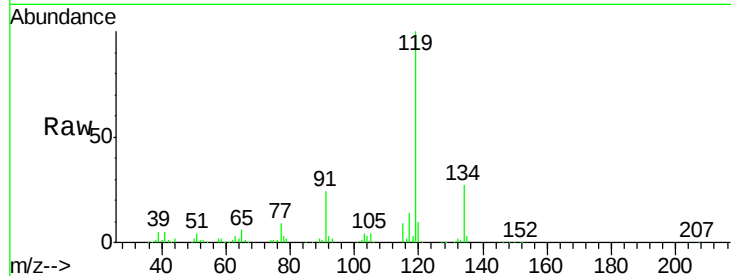
#79
tert-butylbenzene
Concen: 3.72 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX001805.D
Acq: 18 May 2018 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	31684		
91	22.2	0.0	43.2	
134	26.8	0.0	54.6	

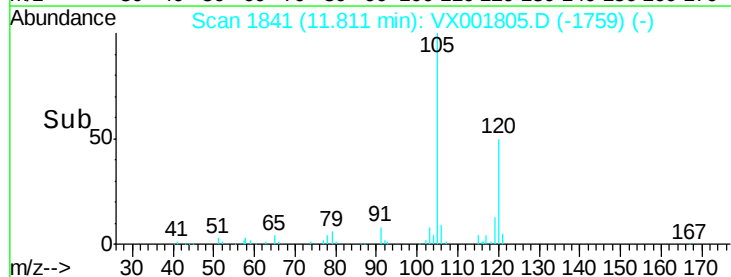
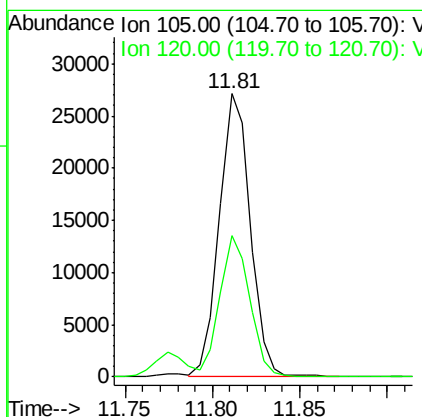
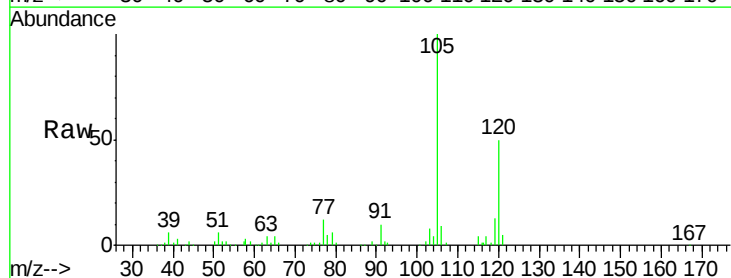
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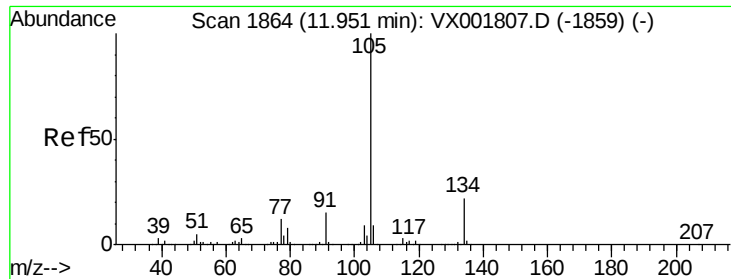
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 4.00 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX001805.D
Acq: 18 May 2018 03:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	33475		
120	48.2	0.0	94.6	





#81

sec-Butylbenzene

Concen: 3.89 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 36345

Ion Ratio Lower Upper

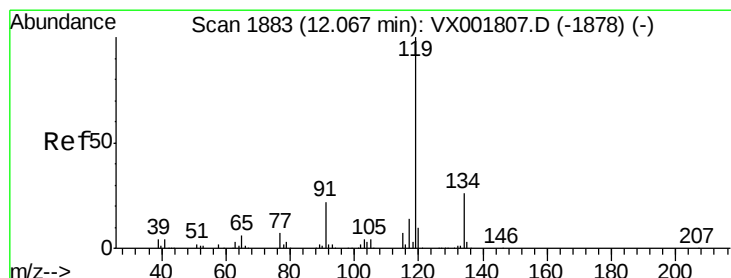
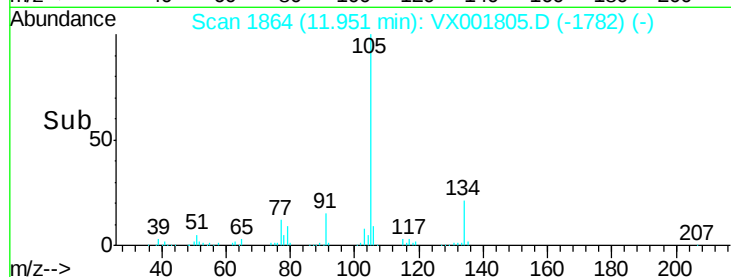
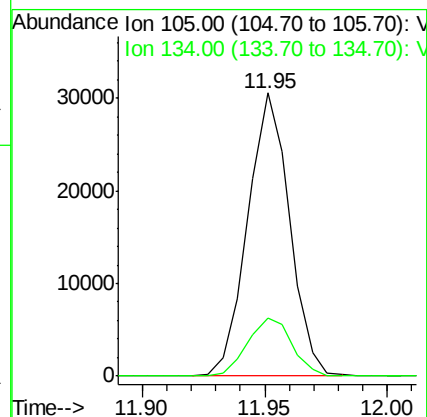
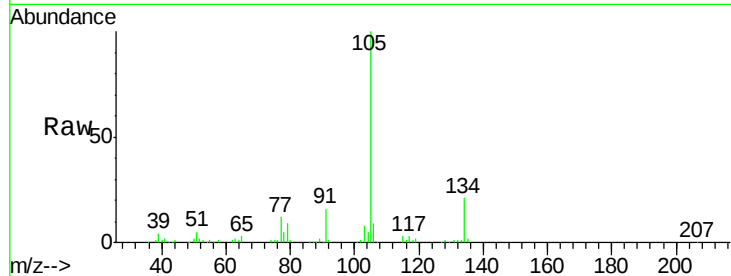
105 100

134 21.8 0.0 44.0

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5/21/2018 2:40:32 PM



#82

p-Isopropyltoluene

Concen: 3.72 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

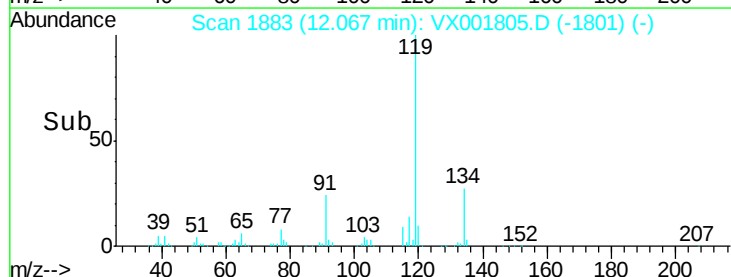
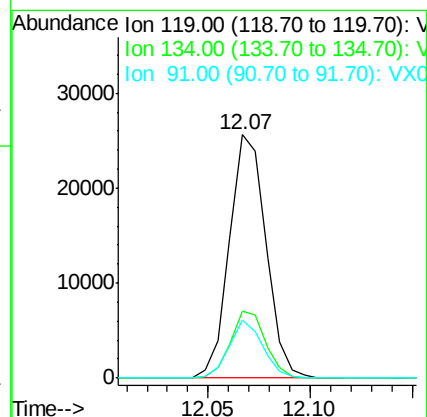
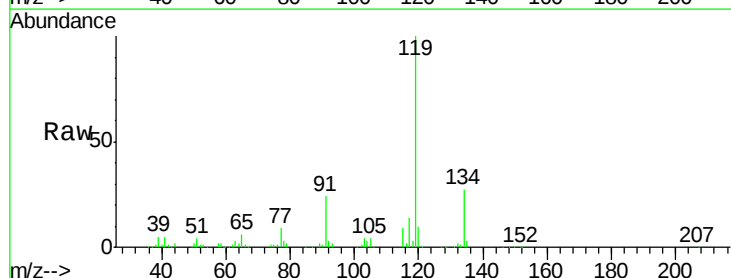
Tgt Ion:119 Resp: 31684

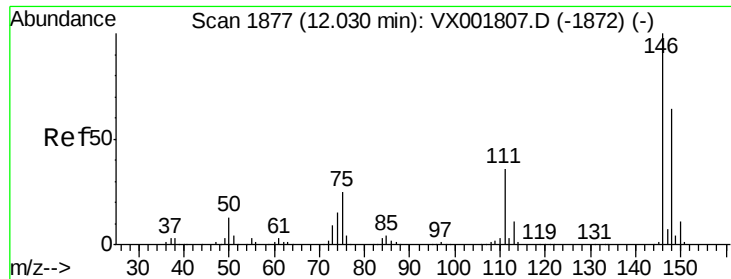
Ion Ratio Lower Upper

119 100

134 26.8 0.0 54.6

91 22.2 0.0 43.2





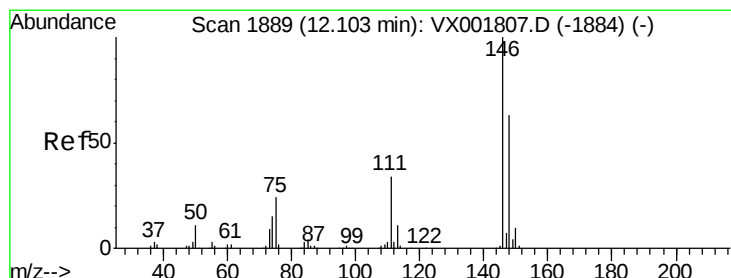
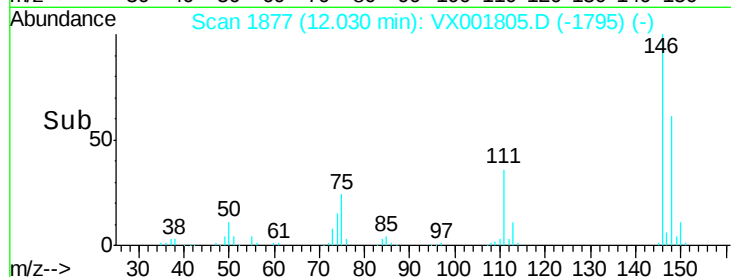
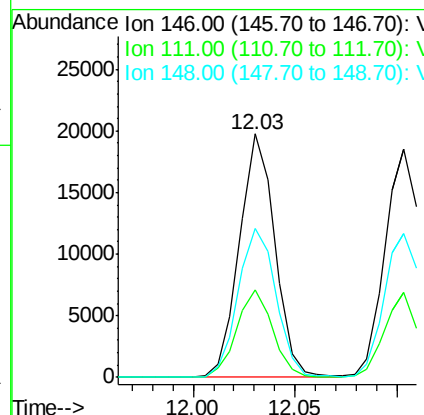
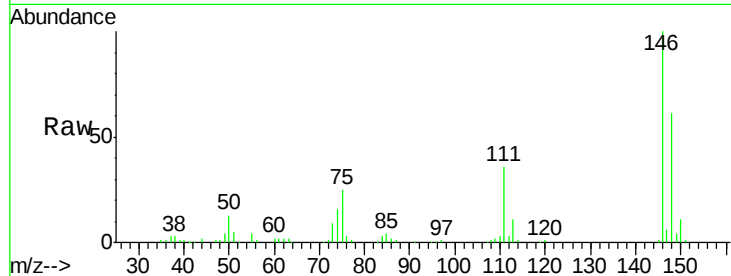
#83
 1,3-Dichlorobenzene
 Concen: 4.60 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001805.D
 Acq: 18 May 2018 03:47

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.0	54.0
148	65.3	31.9	95.9

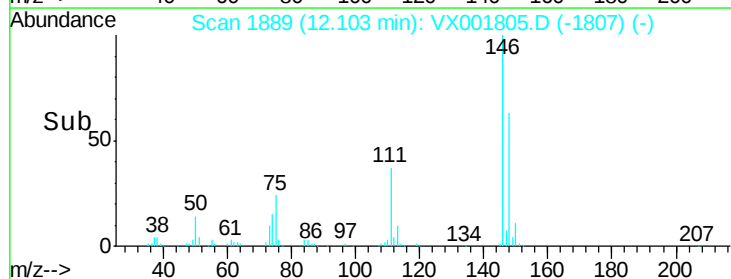
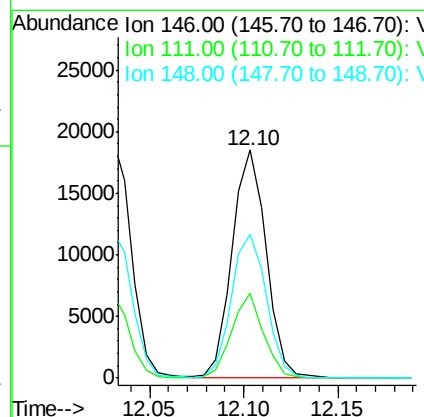
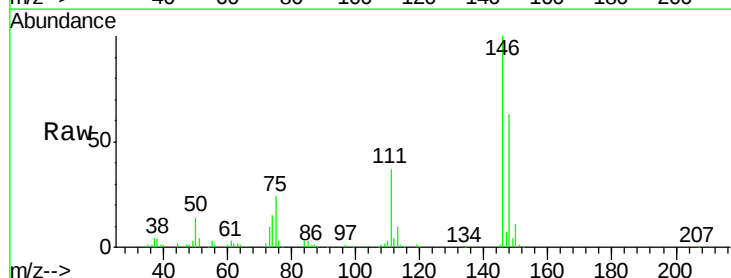
Manual Integrations
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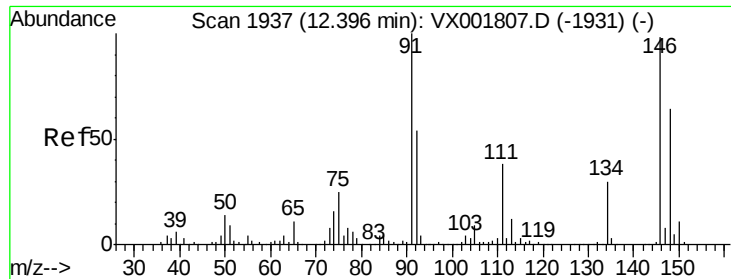
MMDadoda
 5/21/2018 2:40:32 PM



#84
 1,4-Dichlorobenzene
 Concen: 4.47 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001805.D
 Acq: 18 May 2018 03:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.1	17.1	51.2
148	64.6	31.8	95.3





#85

n-Butylbenzene

Concen: 3.33 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Instrument :

MSVOA_X

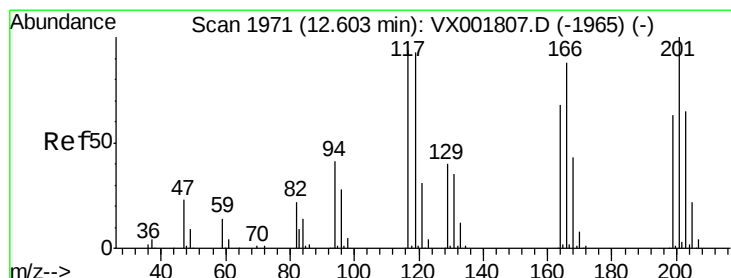
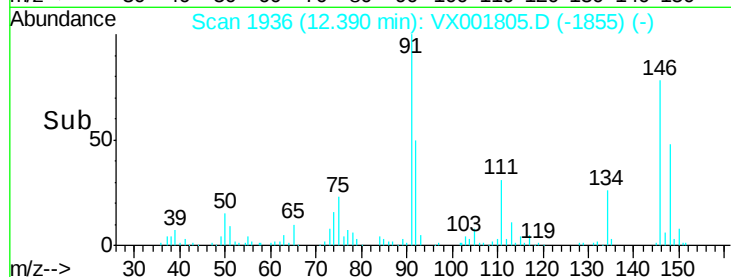
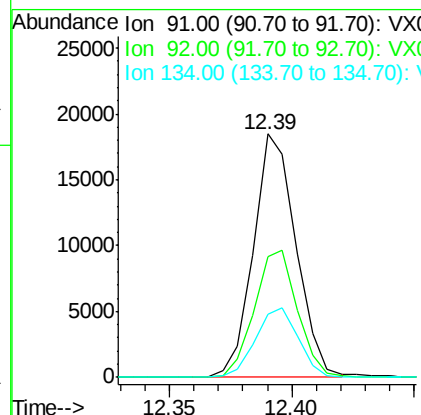
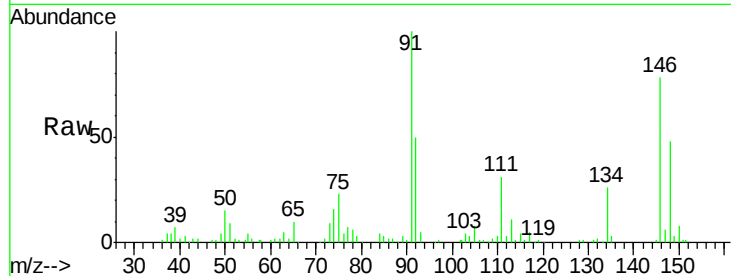
ClientSampleId :

VSTDIC005

Tot Ion:	91	Resp:	22354
Ion	Ratio	Lower	Upper
91	100		
92	53.0	0.0	108.2
134	28.5	0.0	57.8

Manual Integrations
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#86

Hexachloroethane

Concen: 4.05 ug/l

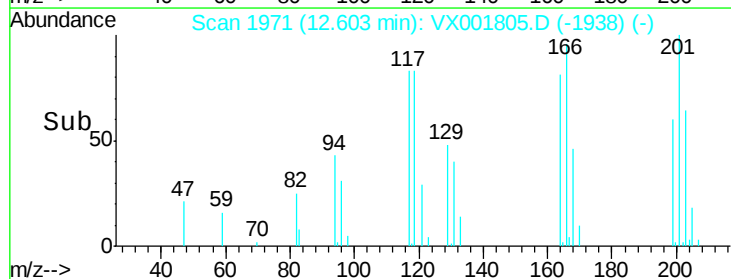
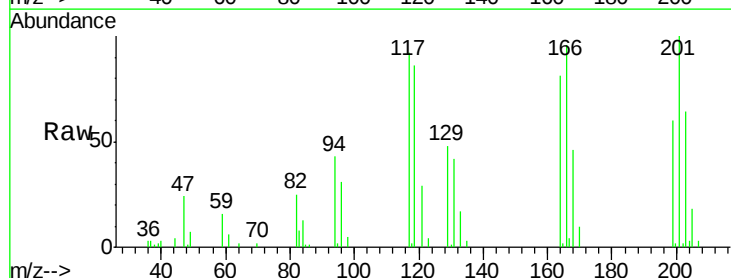
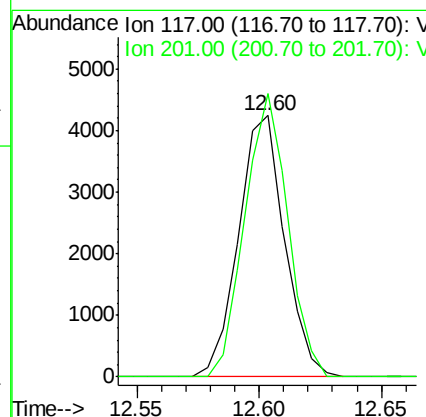
RT: 12.60 min Scan# 1971

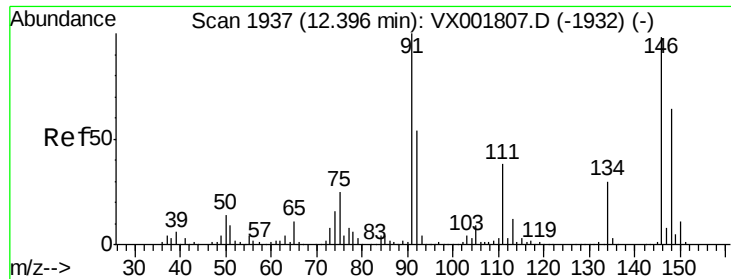
Delta R.T. 0.00 min

Lab File: VX001805.D

Acq: 18 May 2018 03:47

Tgt Ion:	117	Resp:	5564
Ion	Ratio	Lower	Upper
117	100		
201	100.8	53.0	159.0





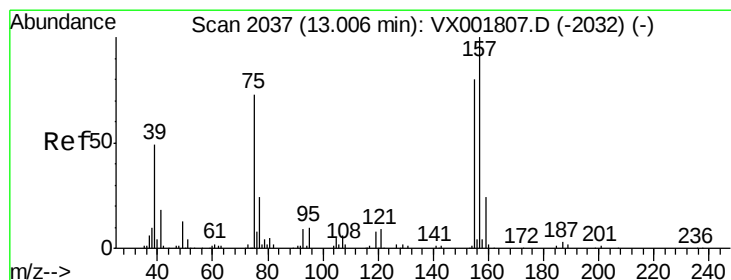
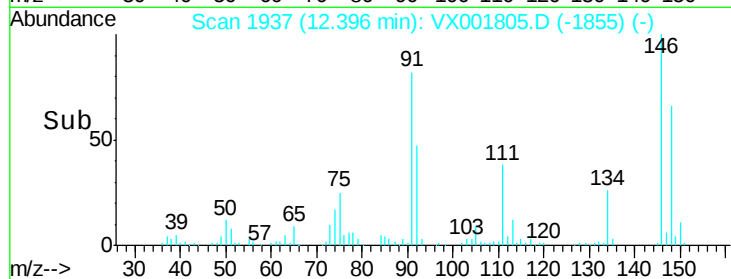
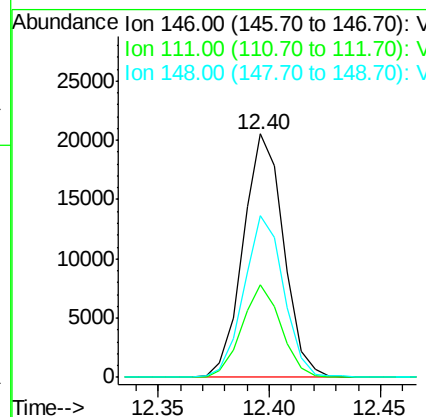
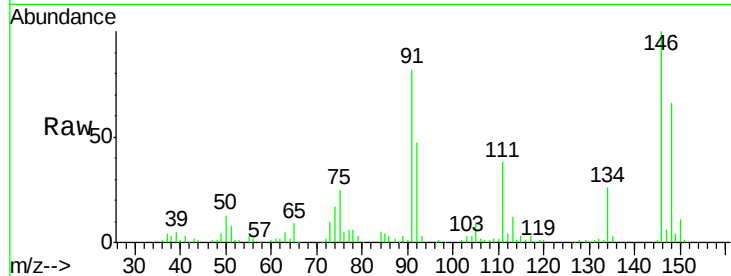
#87
 1,2-Dichlorobenzene
 Concen: 4.79 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001805.D
 Acq: 18 May 2018 03:47

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.5
148	65.1	32.9	98.7

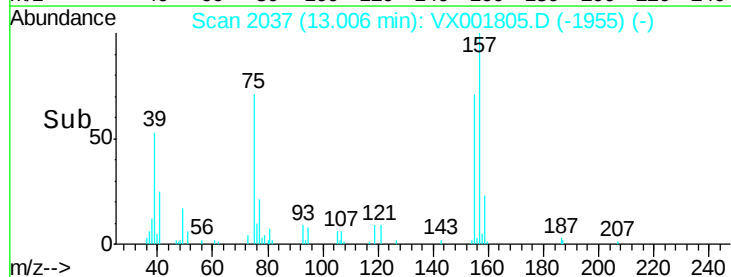
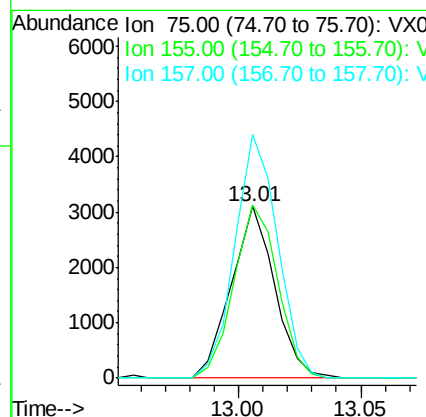
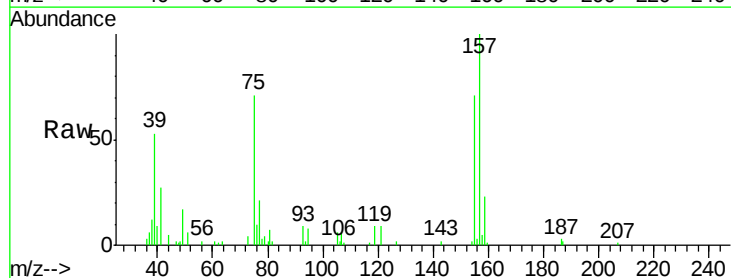
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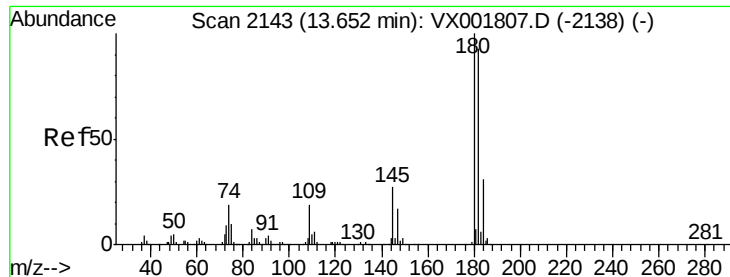
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 4.78 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001805.D
 Acq: 18 May 2018 03:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.9	88.5	132.7
157	139.4	111.0	166.4





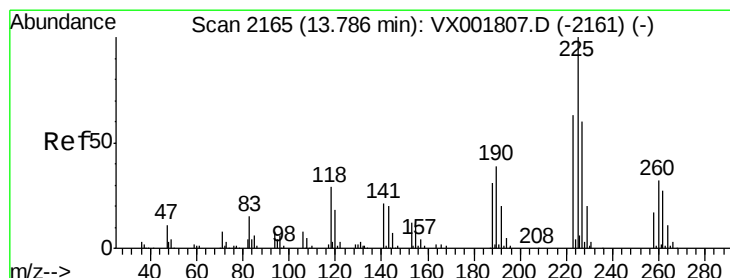
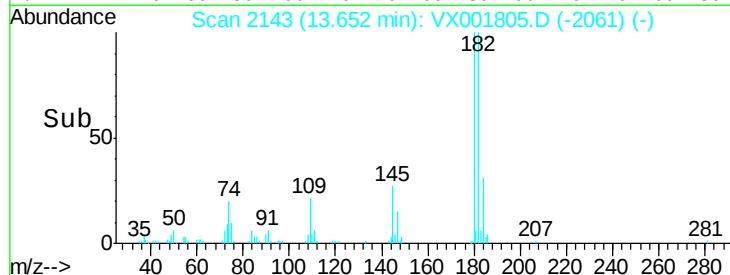
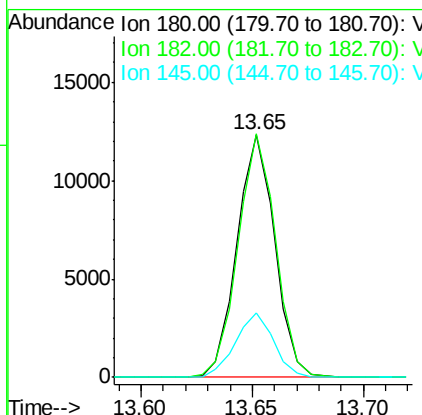
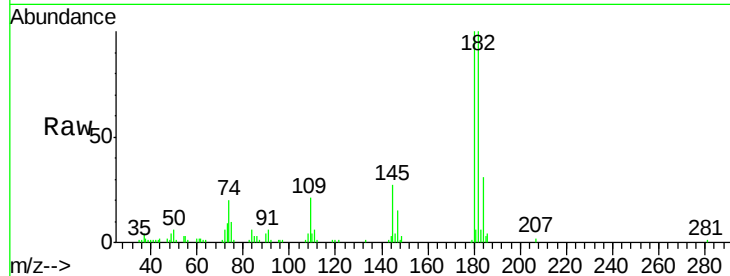
#89
 1,2,4-Trichlorobenzene
 Concen: 3.86 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001805.D
 Acq: 18 May 2018 03:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.7	75.6	113.4
145	26.8	21.6	32.4

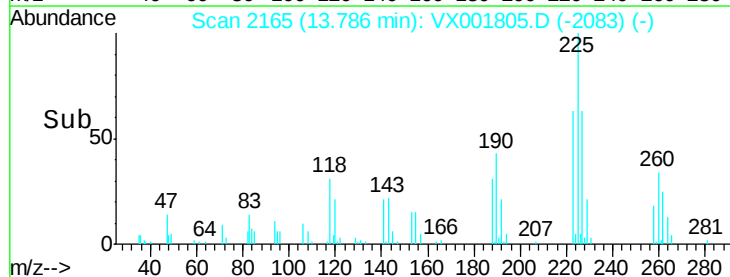
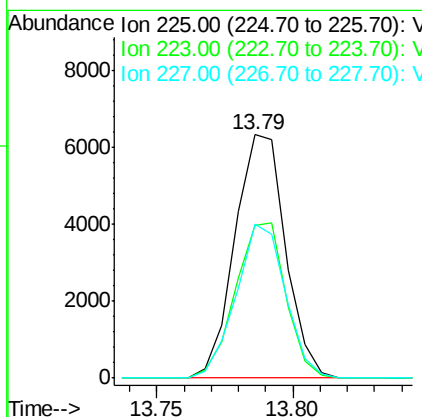
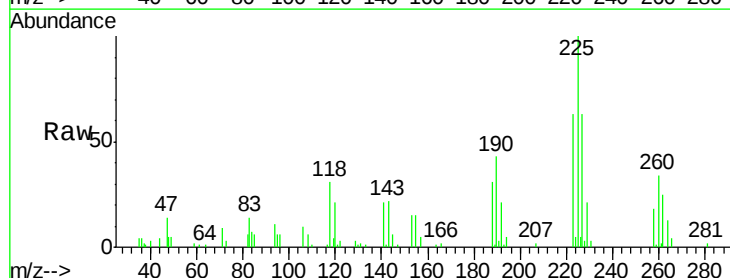
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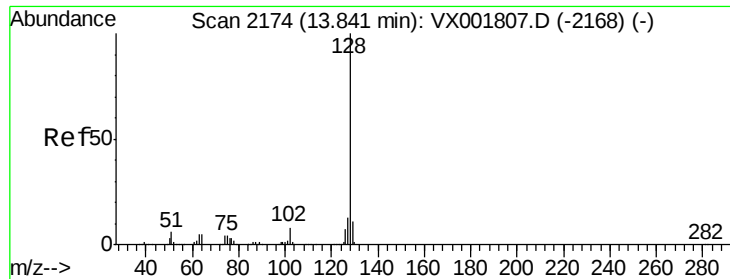
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#90
 Hexachlorobutadiene
 Concen: 4.27 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001805.D
 Acq: 18 May 2018 03:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	0.0	123.6
227	61.8	0.0	124.0





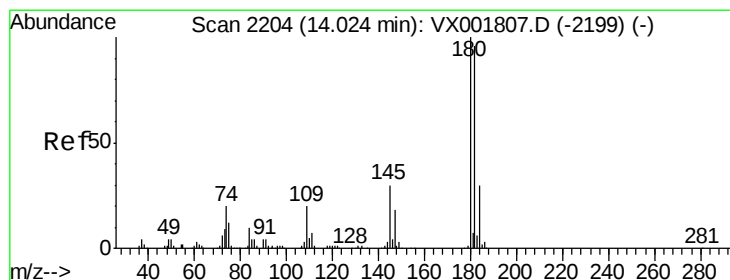
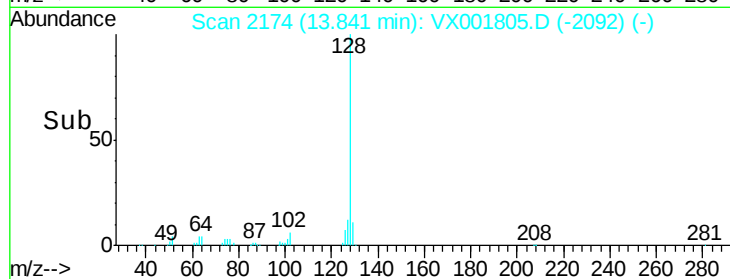
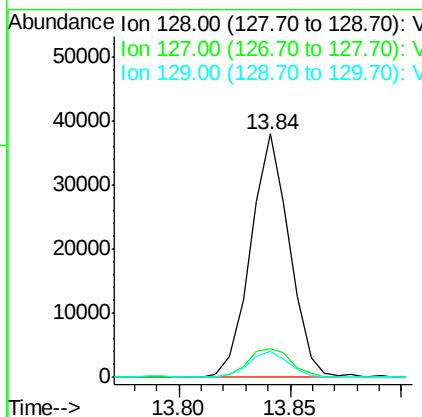
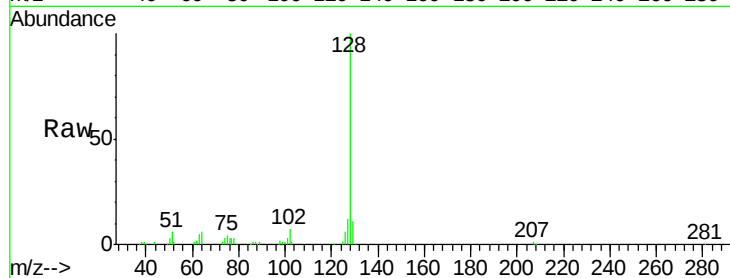
#91
Naphthalene
Concen: 3.91 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001805.D
Acq: 18 May 2018 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.4
129	11.1	8.7	13.1

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#92
1,2,3-Trichlorobenzene
Concen: 4.15 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX001805.D
Acq: 18 May 2018 03:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	0.0	188.8
145	30.1	0.0	56.6

