

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022519\
 Data File : VX007663.D
 Acq On : 25 Feb 2019 10:15
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

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 2/26/2019 2:57:21 PM

Quant Time: Feb 25 11:45:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 25 11:30:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	348640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	544311	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	482632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	223907	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	21932	5.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.86%	
35) Dibromofluoromethane	5.51	113	18242	5.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.30%	
50) Toluene-d8	8.71	98	69778	5.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.62%	
62) 4-Bromofluorobenzene	11.13	95	22834	4.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	15010	3.862	ug/l	94
3) Chloromethane	1.33	50	16519	4.207	ug/l	94
4) Vinyl Chloride	1.41	62	17522	4.548	ug/l	100
5) Bromomethane	1.64	94	14193	3.237	ug/l	92
6) Chloroethane	1.72	64	12208	4.899	ug/l	93
7) Trichlorofluoromethane	1.93	101	28277	4.692	ug/l	97
8) Diethyl Ether	2.20	74	11381	5.017	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	17546	4.895	ug/l	94
10) Methyl Iodide	2.51	142	17921	3.398	ug/l	96
11) Tert butyl alcohol	3.07	59	20525	26.801	ug/l #	84
12) 1,1-Dichloroethene	2.37	96	15555	4.673	ug/l	97
13) Acrolein	2.30	56	19455	54.175	ug/l	98
14) Allyl chloride	2.73	41	29011	5.349	ug/l	99
15) Acrylonitrile	3.15	53	48908	25.816	ug/l	99
16) Acetone	2.45	43	47253	27.876	ug/l	98
17) Carbon Disulfide	2.57	76	40152	4.571	ug/l	97
18) Methyl Acetate	2.78	43	20696	4.315	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	53195	4.933	ug/l	99
20) Methylene Chloride	2.86	84	17717	4.623	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	16883	4.761	ug/l	96
22) Diisopropyl ether	3.87	45	59371	5.951	ug/l	95
23) Vinyl Acetate	3.82	43	245245	29.622	ug/l	99
24) 1,1-Dichloroethane	3.70	63	30367	5.300	ug/l	94
25) 2-Butanone	4.70	43	73236	30.359	ug/l	99
26) 2,2-Dichloropropane	4.58	77	24104	5.524	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	21090	5.445	ug/l	97
28) Bromochloromethane	5.02	49	15256	5.790	ug/l	93
29) Tetrahydrofuran	5.16	42	44408	29.270	ug/l	97
30) Chloroform	5.21	83	34481	5.767	ug/l	97
31) Cyclohexane	5.57	56	28858	5.608	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	26835	5.317	ug/l	95
36) 1,1-Dichloropropene	5.80	75	24657	5.049	ug/l	96
37) Ethyl Acetate	4.85	43	26014	5.269	ug/l	98
38) Carbon Tetrachloride	5.79	117	23284	4.914	ug/l #	88

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

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 2/26/2019 2:57:21 PM

Quant Time: Feb 25 11:45:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 25 11:30:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	31941	5.406	ug/l	95
40) Benzene	6.14	78	76434	5.313	ug/l	100
41) Methacrylonitrile	5.06	41	13119	4.958	ug/l #	82
42) 1,2-Dichloroethane	6.20	62	24981	5.019	ug/l	93
43) Isopropyl Acetate	6.46	43	40671	5.337	ug/l	99
44) Trichloroethene	7.21	130	22434	5.178	ug/l	92
45) 1,2-Dichloropropane	7.51	63	19764	5.483	ug/l	99
46) Dibromomethane	7.66	93	13428	5.126	ug/l	90
47) Bromodichloromethane	7.90	83	22570	5.083	ug/l	93
48) Methyl methacrylate	7.77	41	21248	5.575	ug/l	95
49) 1,4-Dioxane	7.76	88	9279	97.818	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	136146	27.140	ug/l	98
52) Toluene	8.78	92	48590	5.235	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	22532	4.725	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	25844	4.928	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	20100	5.195	ug/l	95
56) Ethyl methacrylate	9.18	69	25165	4.696	ug/l	99
57) 1,3-Dichloropropane	9.37	76	31455	5.112	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	71845	25.437	ug/l	99
59) 2-Hexanone	9.49	43	102222	26.187	ug/l	99
60) Dibromochloromethane	9.59	129	17385	4.751	ug/l	98
61) 1,2-Dibromoethane	9.67	107	20688	5.049	ug/l	100
64) Tetrachloroethene	9.34	164	21901	4.815	ug/l	92
65) Chlorobenzene	10.13	112	53789	5.107	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	17875	5.062	ug/l	98
67) Ethyl Benzene	10.25	91	86330	5.090	ug/l	99
68) m/p-Xylenes	10.36	106	66279	9.831	ug/l	96
69) o-Xylene	10.69	106	32452	5.002	ug/l	99
70) Styrene	10.71	104	51104	4.857	ug/l	100
71) Bromoform	10.85	173	11977	4.384	ug/l #	99
73) Isopropylbenzene	11.02	105	84173	5.532	ug/l	98
74) N-amyl acetate	10.90	43	31947	5.428	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	28473	6.140	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	26700m	6.131	ug/l	
77) Bromobenzene	11.26	156	21822	5.090	ug/l	88
78) n-propylbenzene	11.36	91	94753	5.679	ug/l	97
79) 2-Chlorotoluene	11.42	91	55413	5.473	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	68421	5.496	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	6419	5.117	ug/l #	79
82) 4-Chlorotoluene	11.51	91	65774	5.615	ug/l	99
83) tert-Butylbenzene	11.77	119	65183	5.289	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	69599	5.507	ug/l	99
85) sec-Butylbenzene	11.94	105	84448	5.661	ug/l	98
86) p-Isopropyltoluene	12.06	119	72807	5.407	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	40085	5.210	ug/l	96
88) 1,4-Dichlorobenzene	12.10	146	40558	5.196	ug/l	94
89) n-Butylbenzene	12.39	91	60078	5.187	ug/l	99
90) Hexachloroethane	12.60	117	11321	5.618	ug/l	87
91) 1,2-Dichlorobenzene	12.39	146	40107	5.238	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	5565	5.772	ug/l	91

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

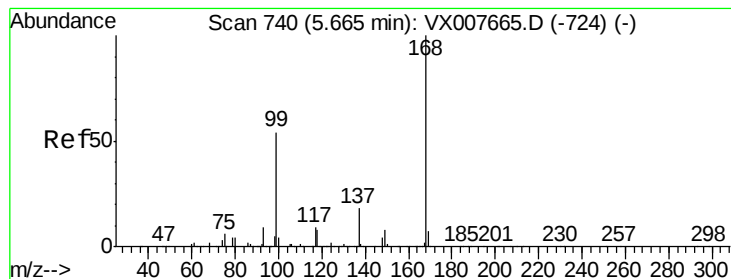
Manual Integrations
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2/26/2019 2:57:21 PM

Quant Time: Feb 25 11:45:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 25 11:30:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	24604	4.765	ug/l	93
94) Hexachlorobutadiene	13.78	225	11587	4.621	ug/l	95
95) Naphthalene	13.83	128	72455	4.798	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	23522	4.525	ug/l	97

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



#1

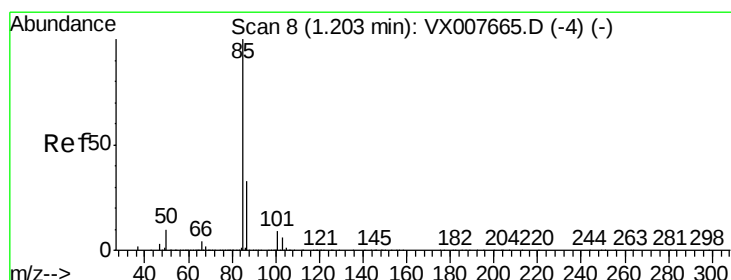
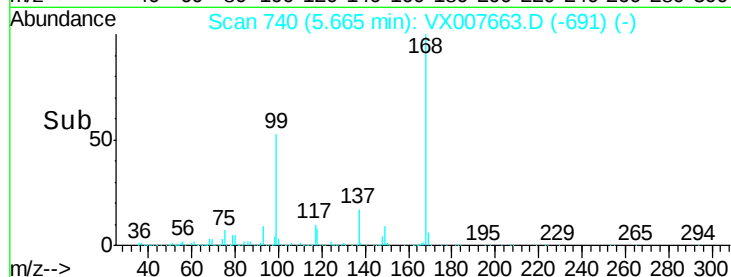
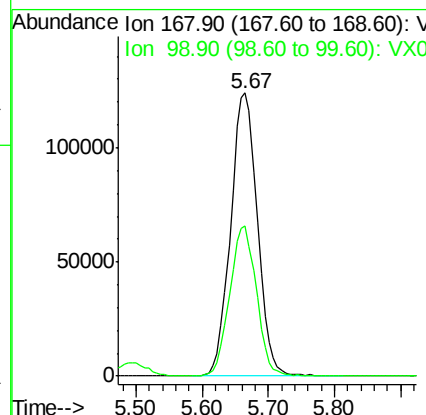
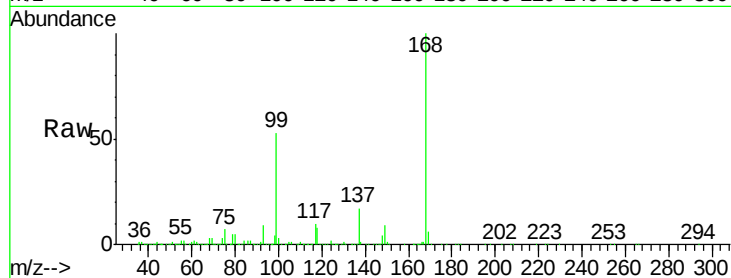
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.00 min
 Lab File: VX007663.D
 Acq: 25 Feb 2019 10:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
168	100		
99	52.8	37.9	56.9

Manual Integrations
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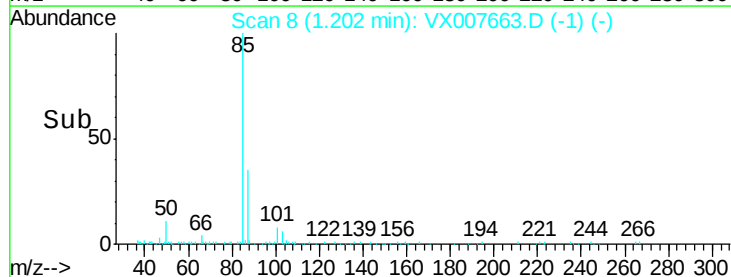
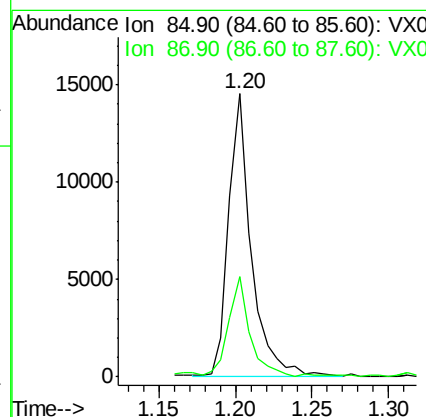
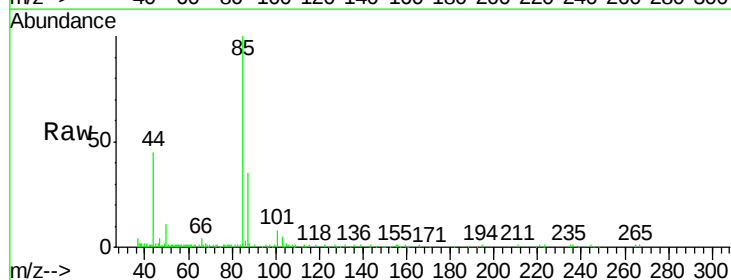
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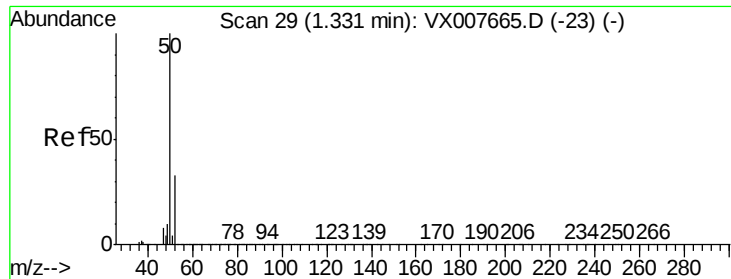


#2

Dichlorodifluoromethane
 Concen: 3.862 ug/l
 RT: 1.20 min Scan# 8
 Delta R.T. -0.00 min
 Lab File: VX007663.D
 Acq: 25 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.8	15.8	47.4





#3

Chloromethane

Concen: 4.207 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 16519

Ion Ratio Lower Upper

50 100

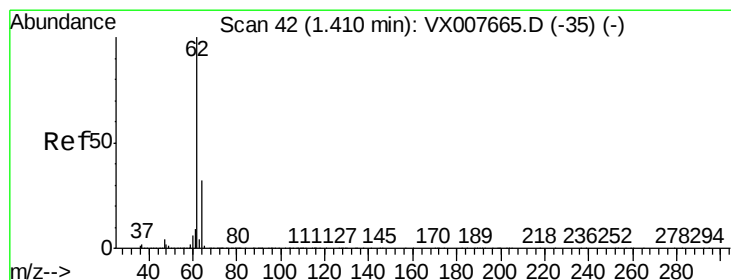
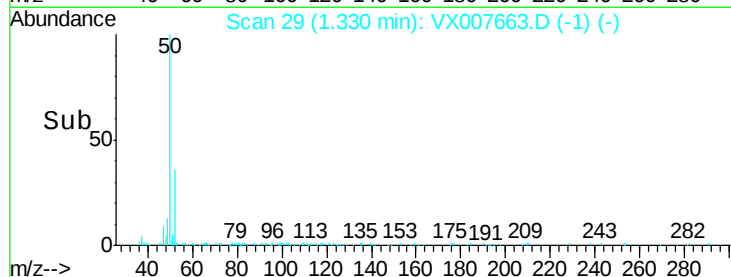
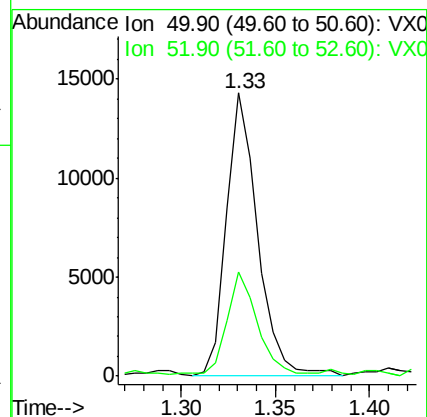
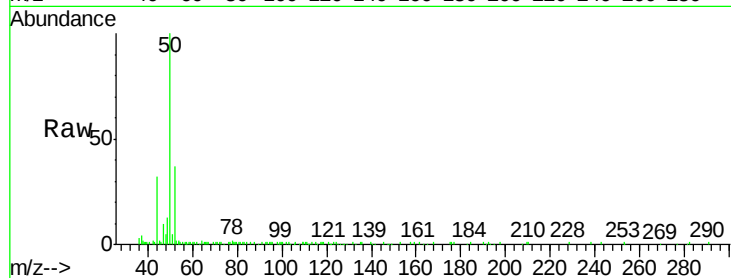
52 35.7 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 4.548 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007663.D

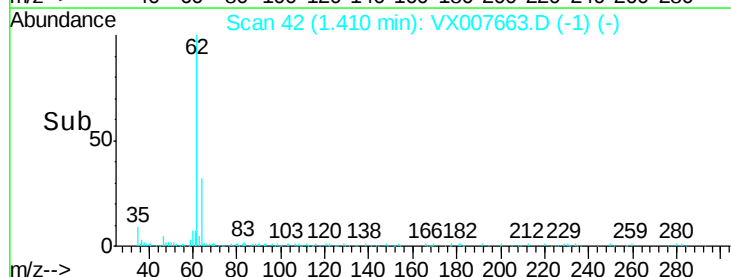
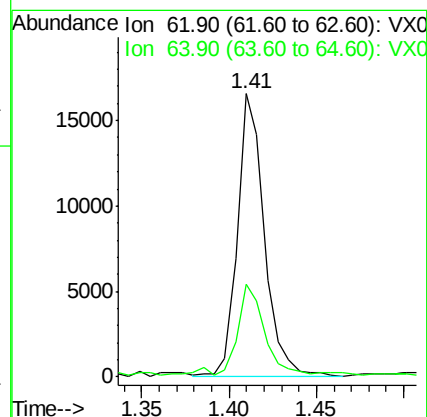
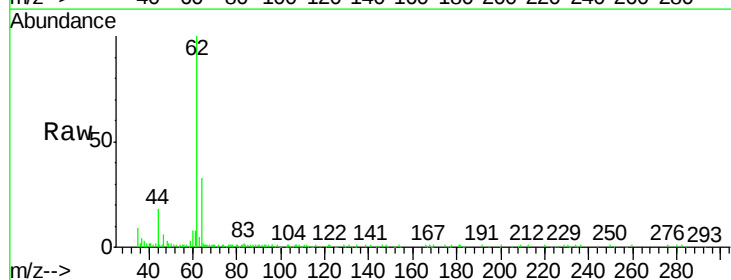
Acq: 25 Feb 2019 10:15

Tgt Ion: 62 Resp: 17522

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.0





#5

Bromomethane

Concen: 3.237 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 14193

Ion Ratio Lower Upper

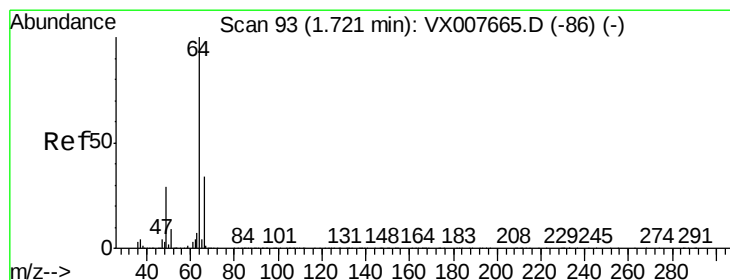
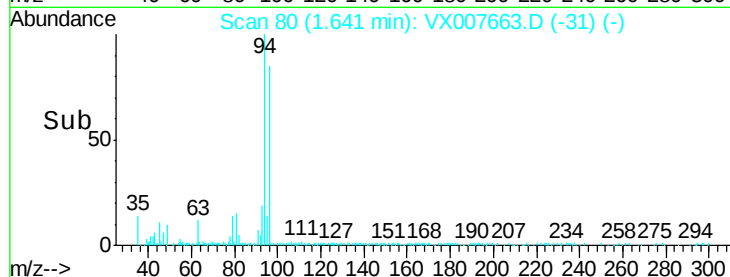
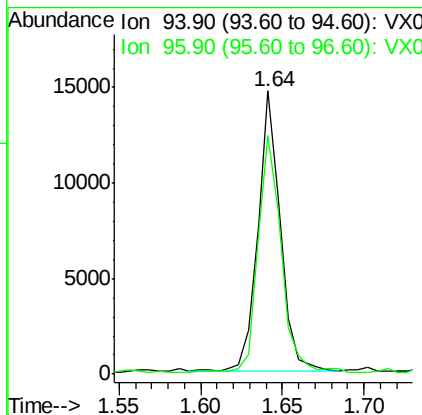
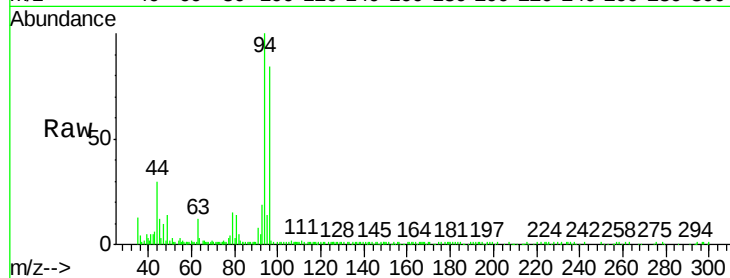
94 100

96 84.7 73.9 110.9

Manual Integrations
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#6

Chloroethane

Concen: 4.899 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX007663.D

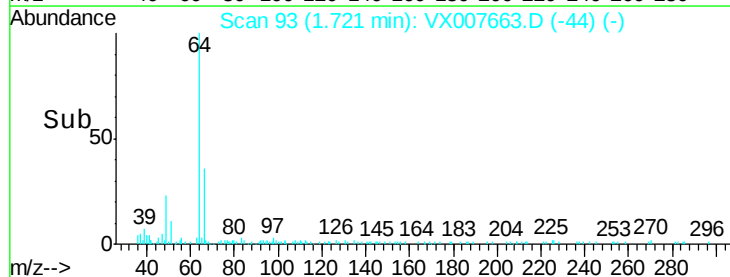
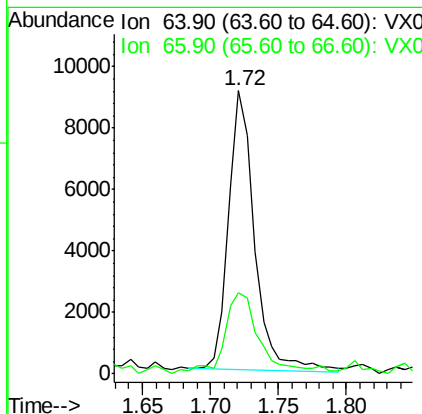
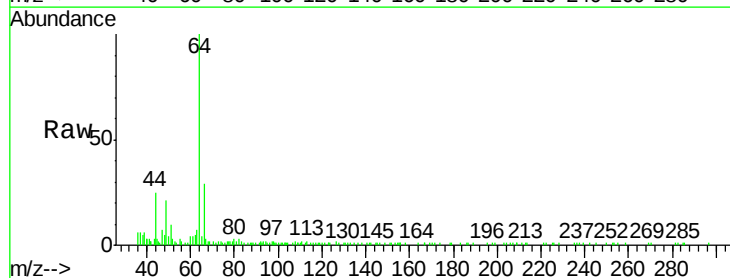
Acq: 25 Feb 2019 10:15

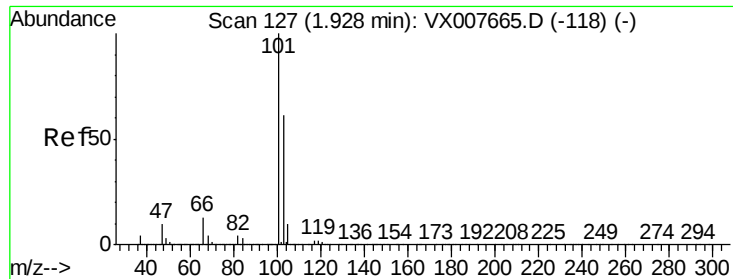
Tgt Ion: 64 Resp: 12208

Ion Ratio Lower Upper

64 100

66 28.1 25.5 38.3





#7

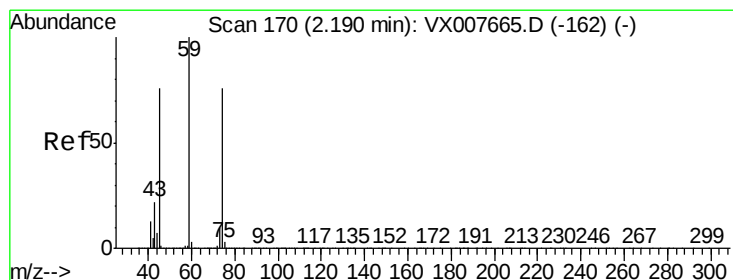
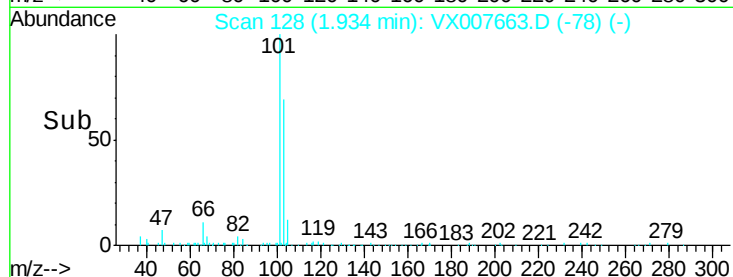
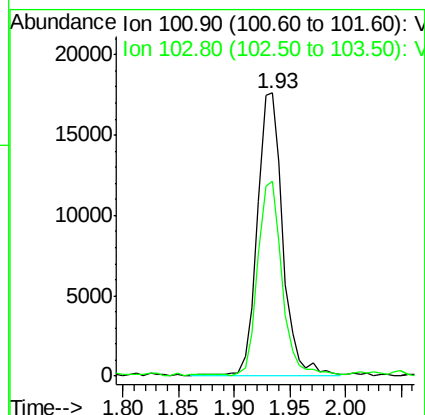
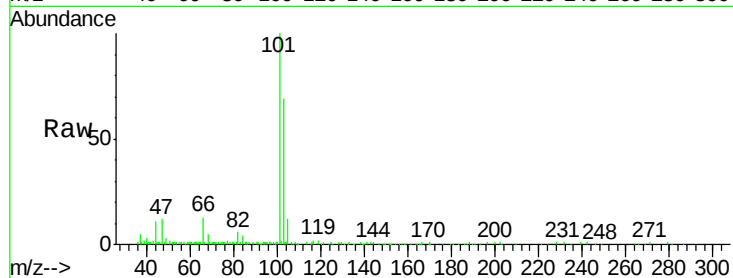
Trichlorofluoromethane
Concen: 4.692 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.3	52.6	79.0

Manual Integrations
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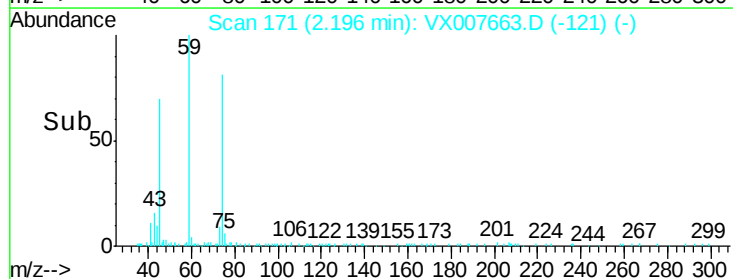
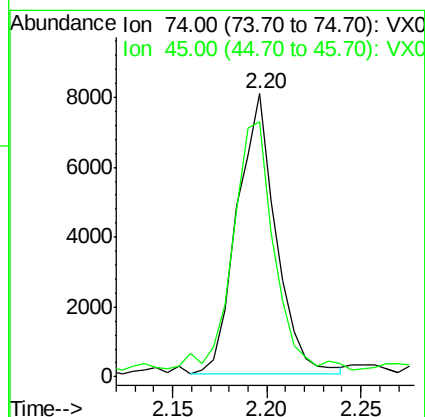
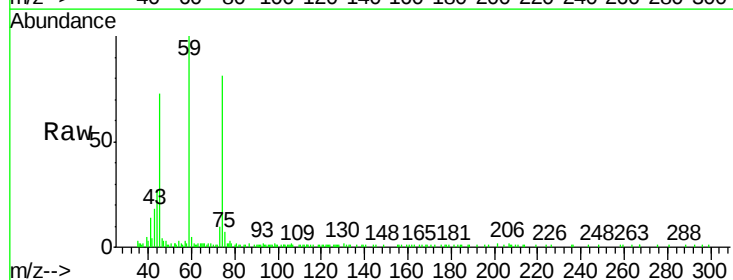
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2/26/2019 2:57:21 PM

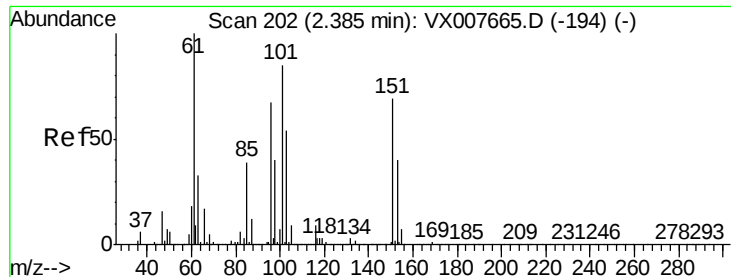


#8

Diethyl Ether
Concen: 5.017 ug/l
RT: 2.20 min Scan# 171
Delta R.T. 0.01 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.6	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.895 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Instrument :

MSVOA_X

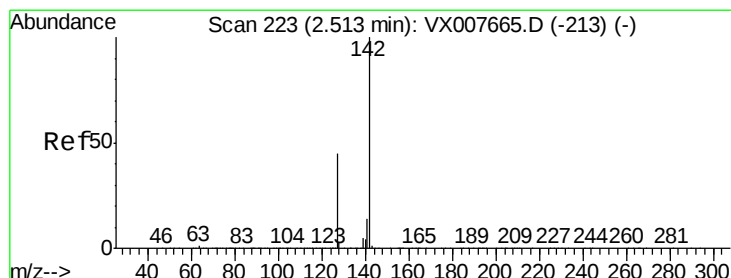
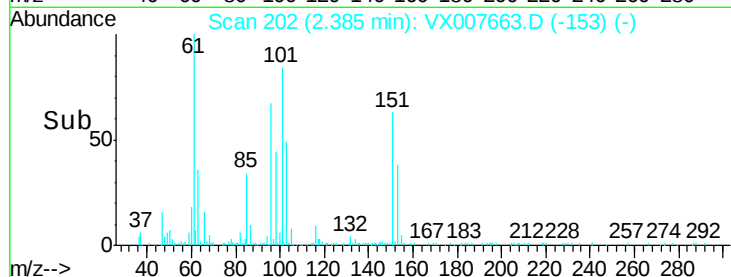
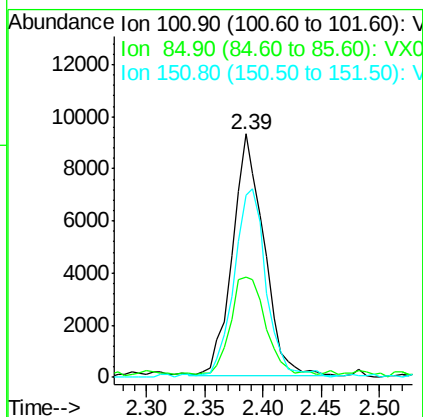
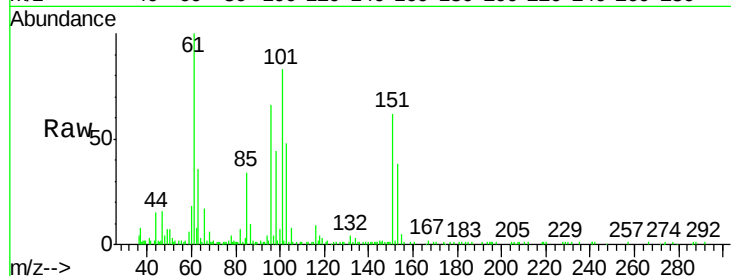
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	17546
Ion Ratio	Lower	Upper	
101	100		
85	44.6	34.1	51.1
151	80.3	69.9	104.9

Manual Integrations
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#10

Methyl Iodide

Concen: 3.398 ug/l

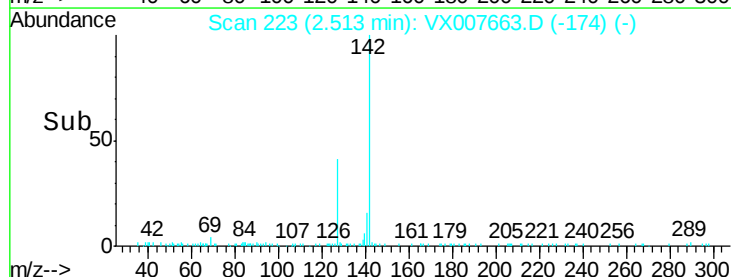
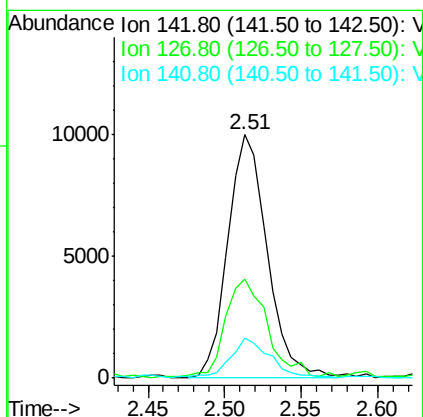
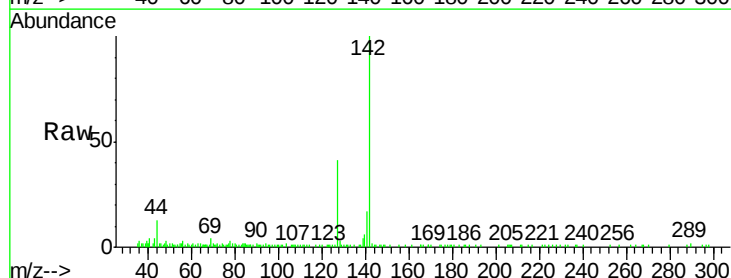
RT: 2.51 min Scan# 223

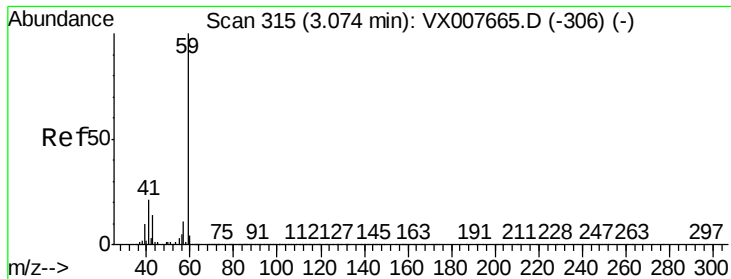
Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Tgt Ion:	142	Resp:	17921
Ion Ratio	Lower	Upper	
142	100		
127	43.9	33.7	50.5
141	16.8	11.3	16.9





#11

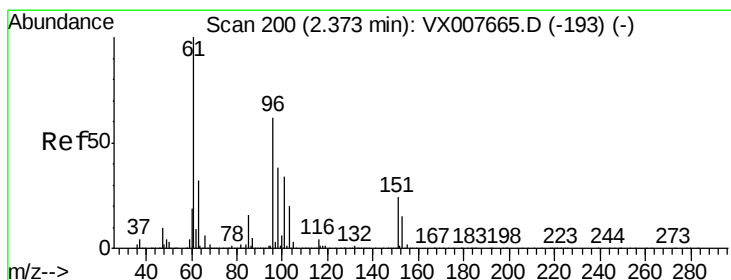
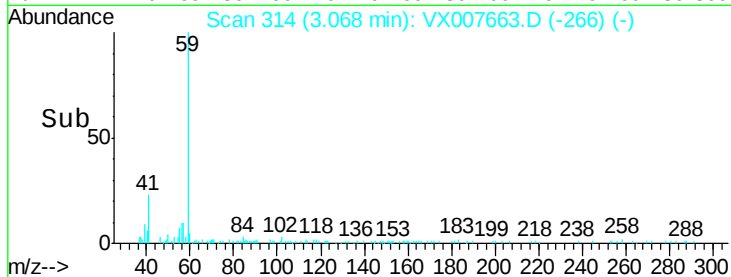
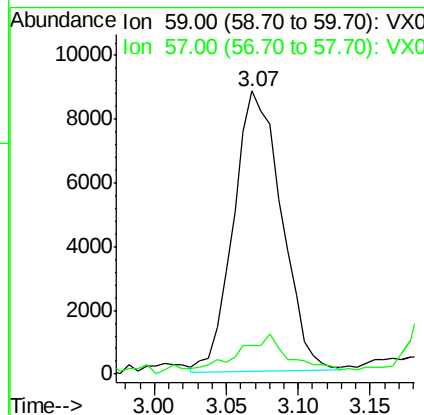
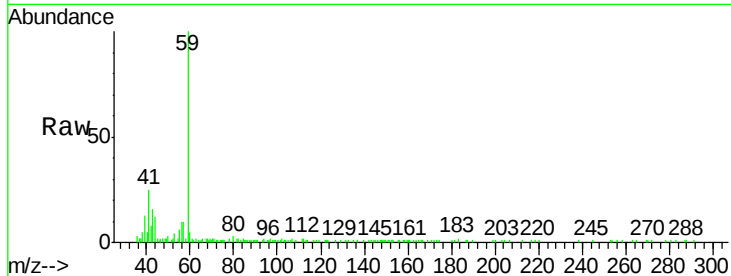
Tert butyl alcohol
Concen: 26.801 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	16.1	8.1	12.1#

Manual Integrations
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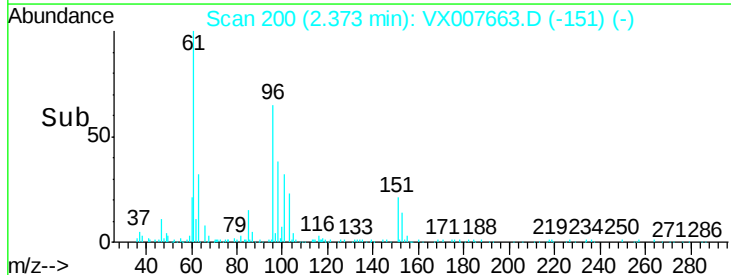
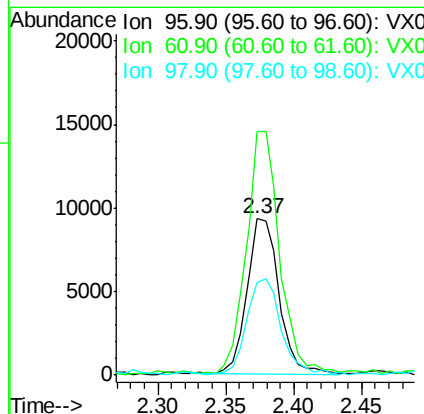
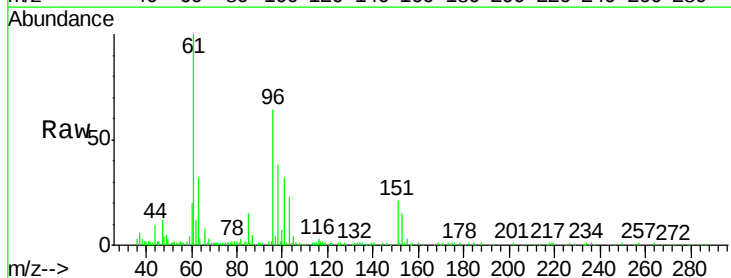
MMDadoda
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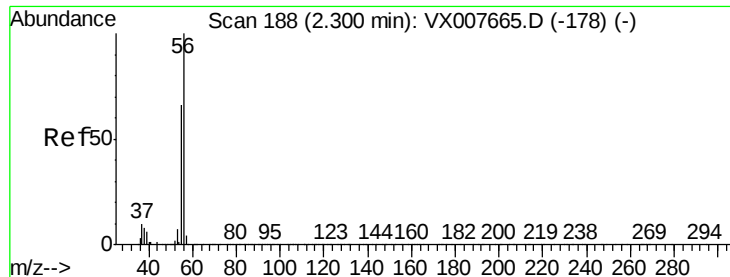


#12

1,1-Dichloroethene
Concen: 4.673 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.4	123.0	184.4
98	58.0	50.9	76.3





#13

Acrolein

Concen: 54.175 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Instrument :

MSVOA_X

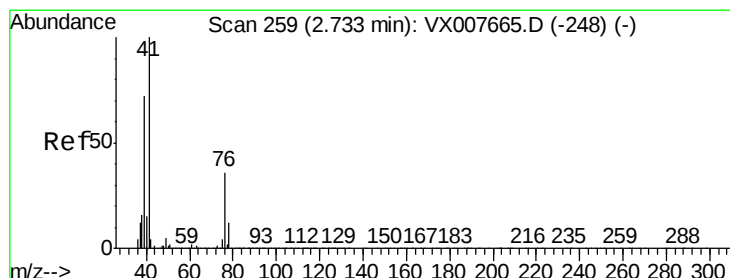
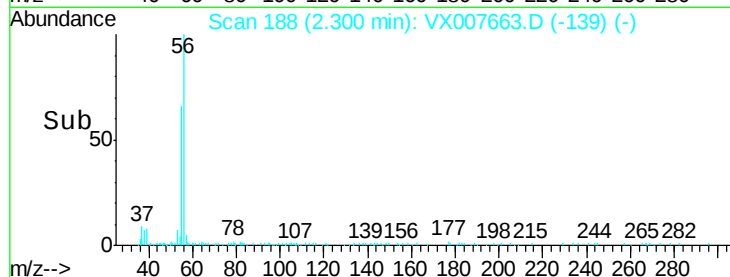
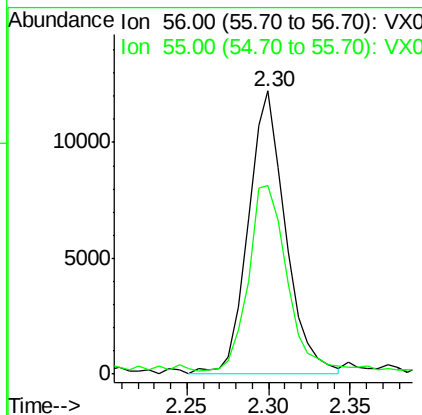
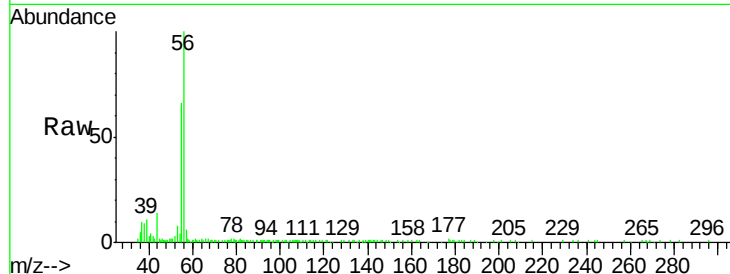
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.4	56.9	85.3

Manual Integrations
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#14

Allyl chloride

Concen: 5.349 ug/l

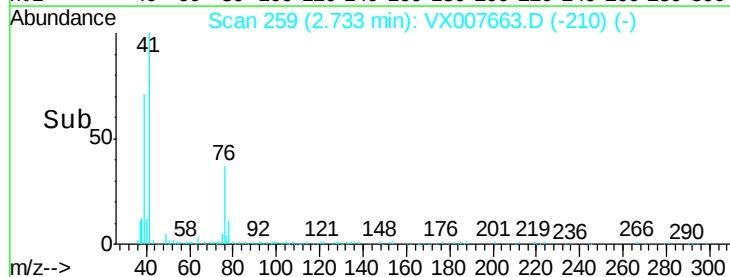
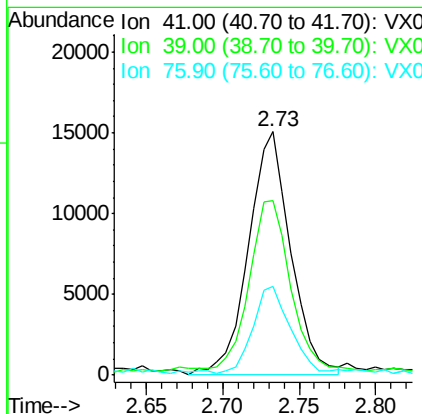
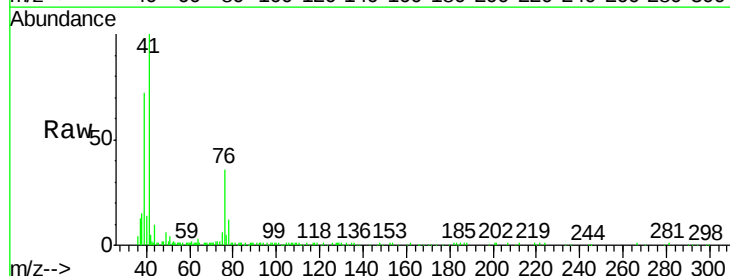
RT: 2.73 min Scan# 259

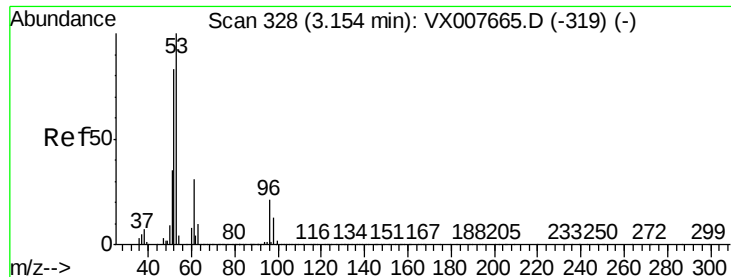
Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.5	54.1	81.1
76	32.7	27.8	41.8





#15

Acrylonitrile

Concen: 25.816 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Instrument :

MSVOA_X

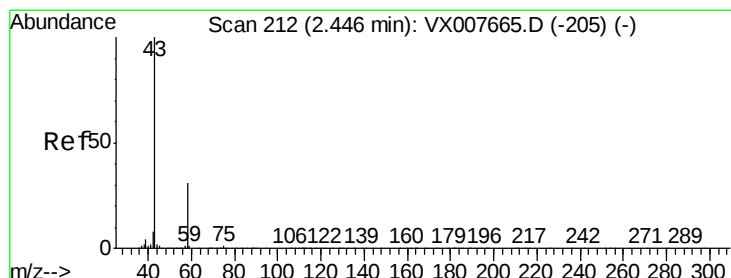
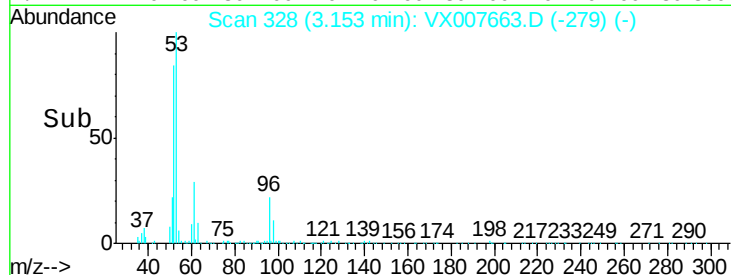
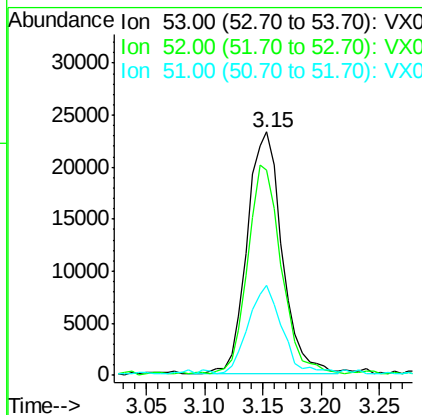
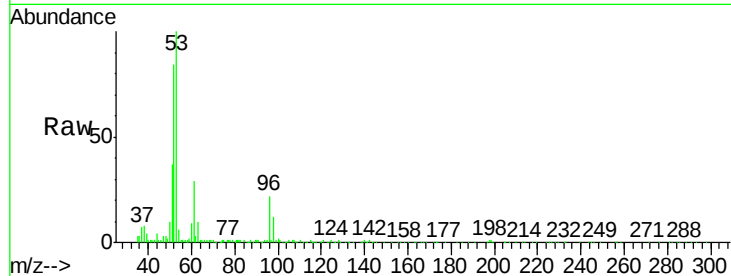
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	48908
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.4	99.6
51	35.0	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 27.876 ug/l

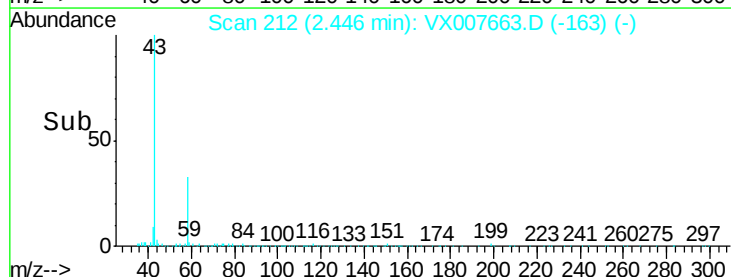
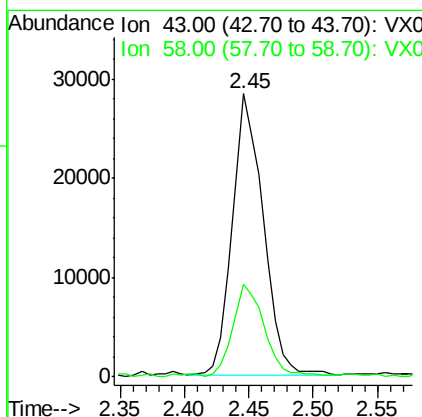
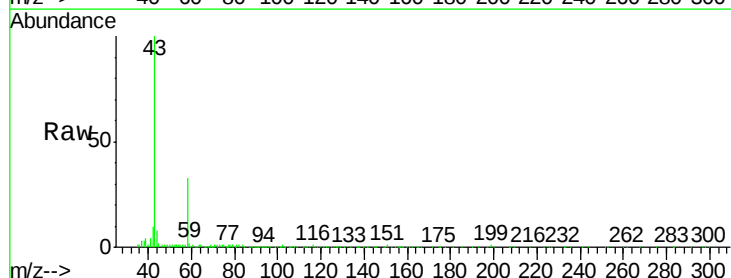
RT: 2.45 min Scan# 212

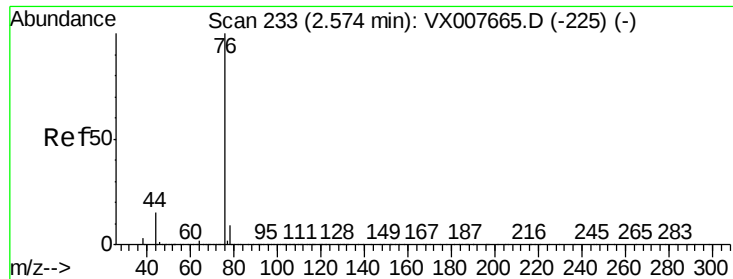
Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Tgt Ion:	43	Resp:	47253
Ion	Ratio	Lower	Upper
43	100		
58	32.1	24.9	37.3





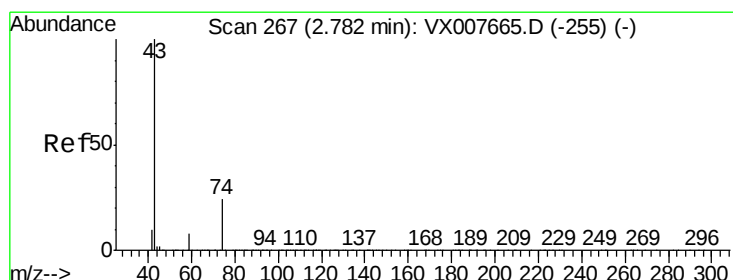
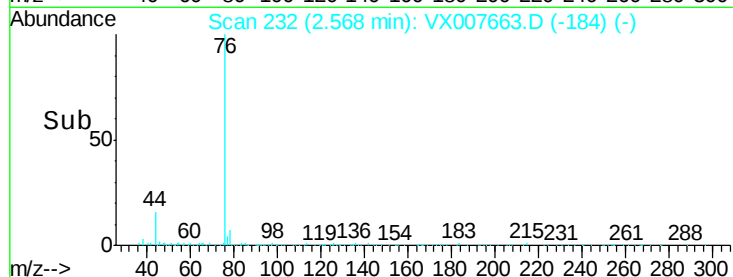
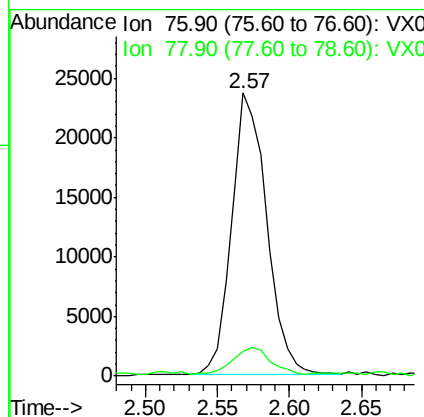
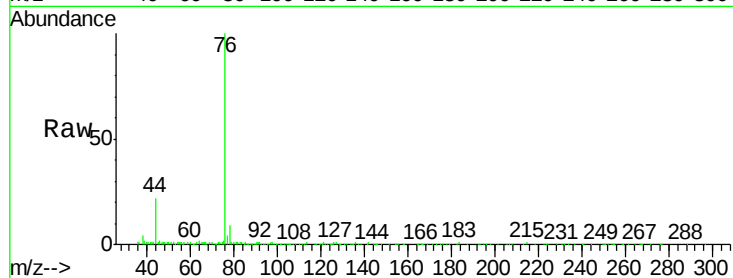
#17
Carbon Disulfide
Concen: 4.571 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.01 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.8	7.1	10.7

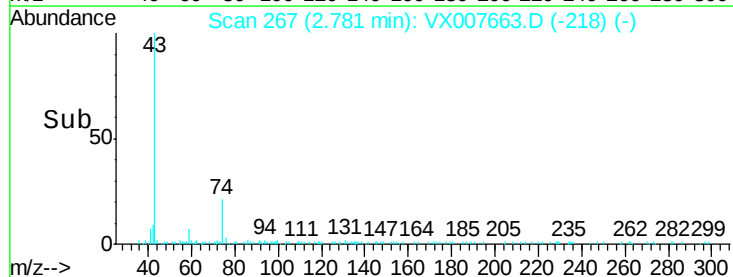
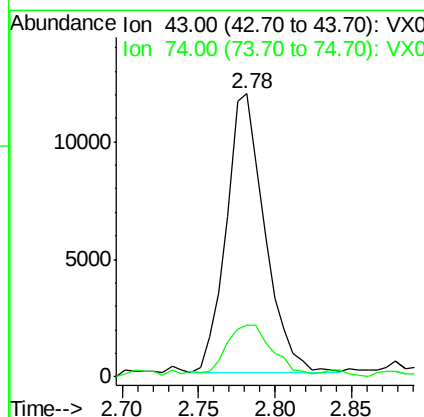
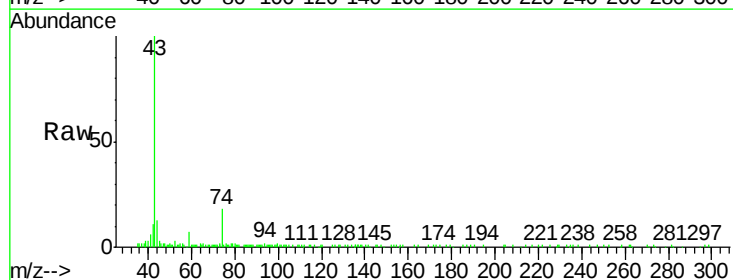
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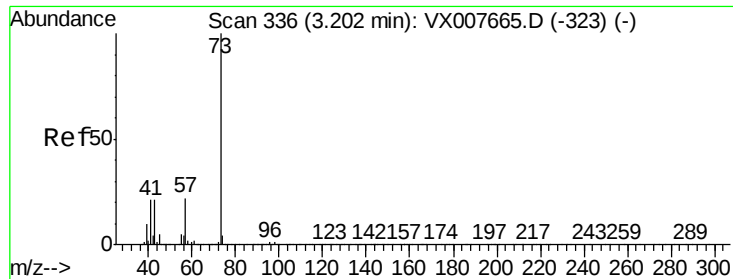
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#18
Methyl Acetate
Concen: 4.315 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	19.4	29.2





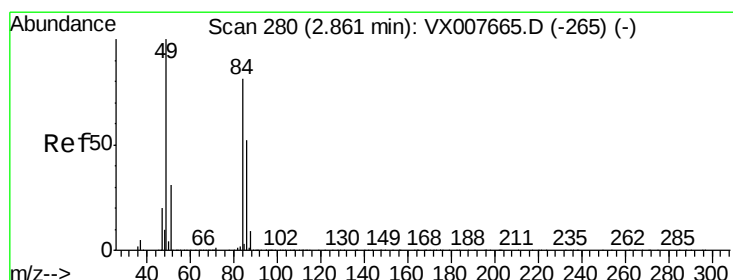
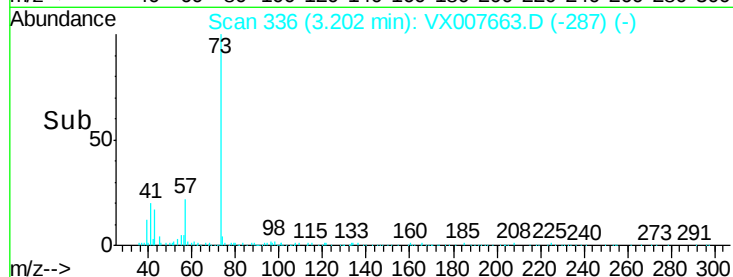
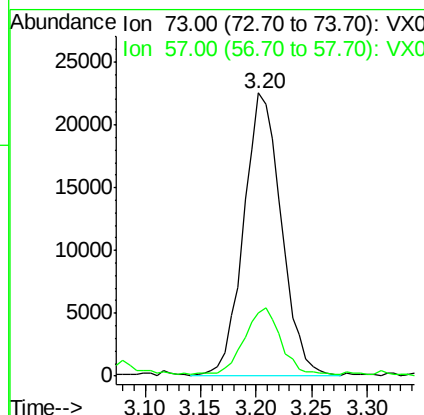
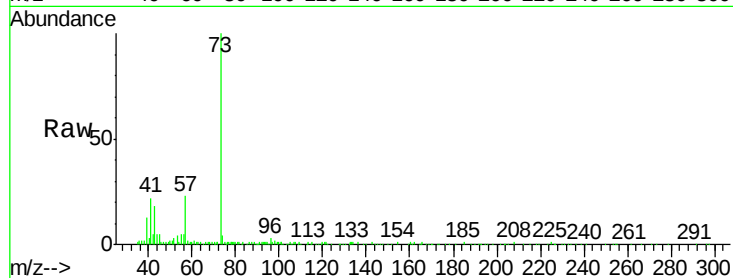
#19
Methvl tert-butvl Ether
Concen: 4.933 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.8	26.8

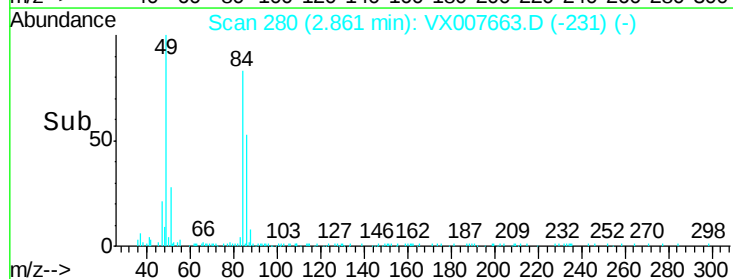
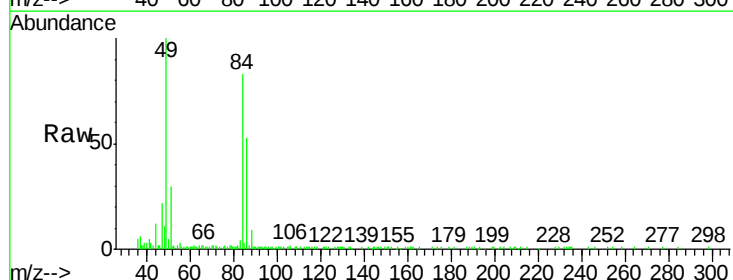
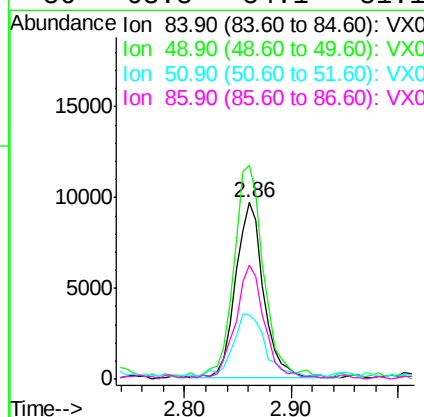
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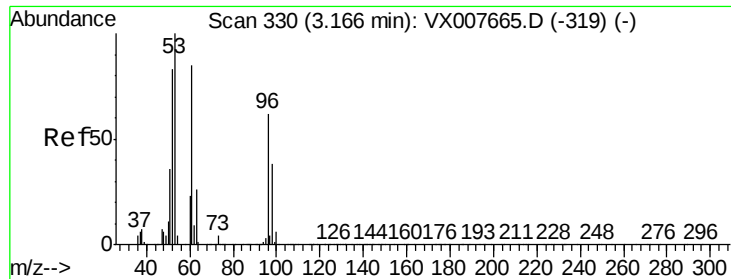
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#20
Methylene Chloride
Concen: 4.623 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.4	94.8	142.2
51	34.0	29.8	44.8
86	63.8	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 4.761 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Instrument :

MSVOA_X

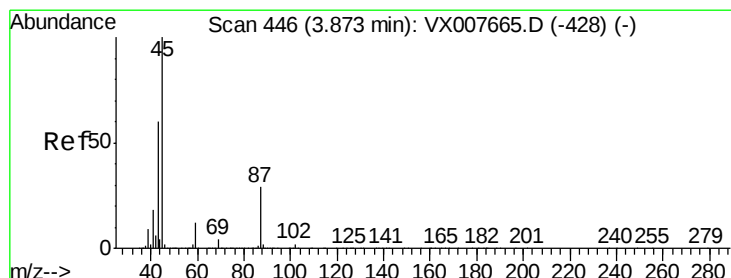
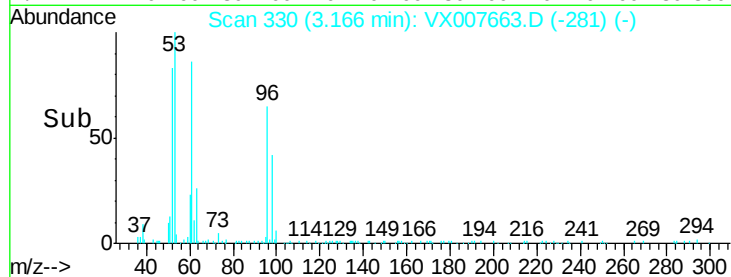
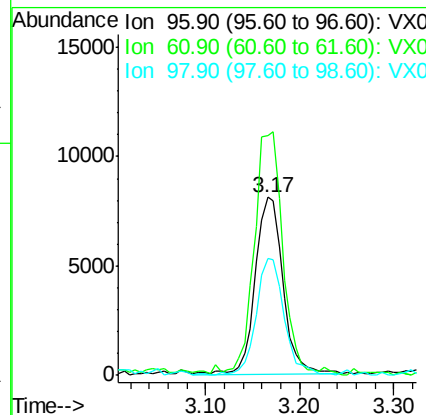
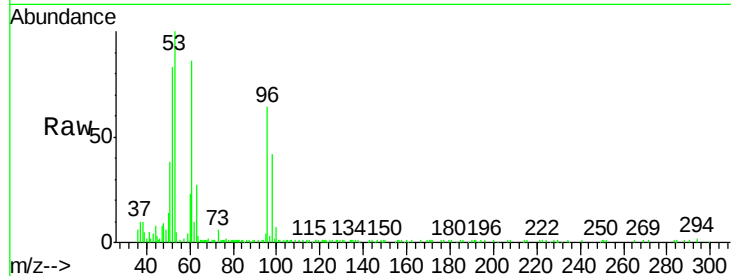
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	16883
Ion	Ratio	Lower	Upper
96	100		
61	135.9	104.6	156.8
98	66.0	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 5.951 ug/l

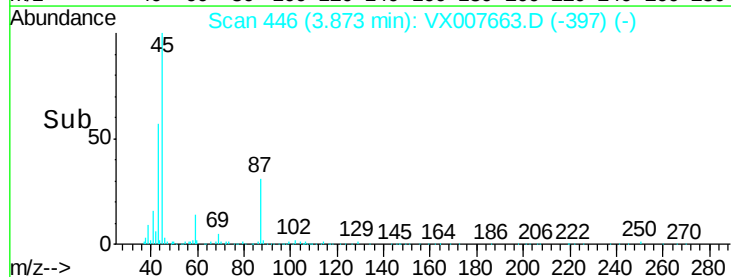
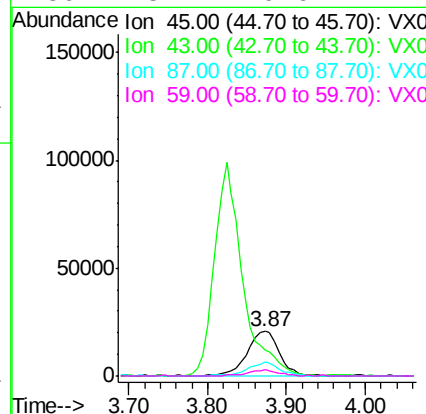
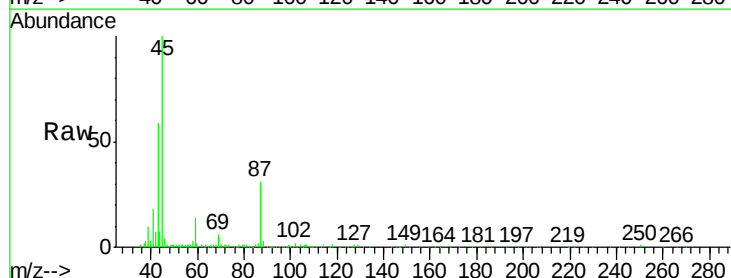
RT: 3.87 min Scan# 446

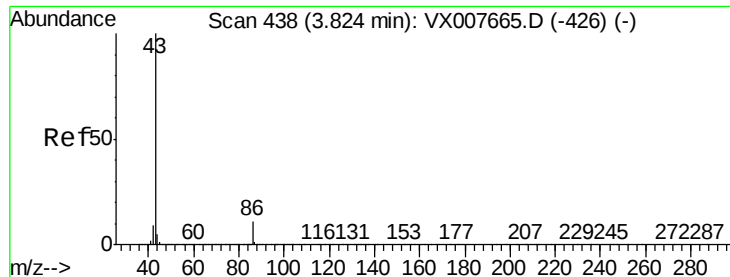
Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Tgt Ion:	45	Resp:	59371
Ion	Ratio	Lower	Upper
45	100		
43	56.3	48.9	73.3
87	31.4	23.9	35.9
59	13.2	9.6	14.4





#23

Vinyl Acetate

Concen: 29.622 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 245245

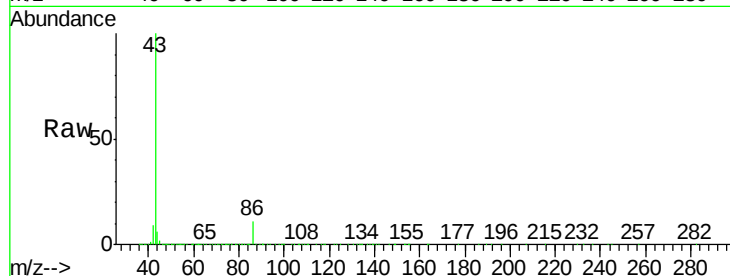
Ion Ratio Lower Upper

43 100

86 11.1 8.7 13.1

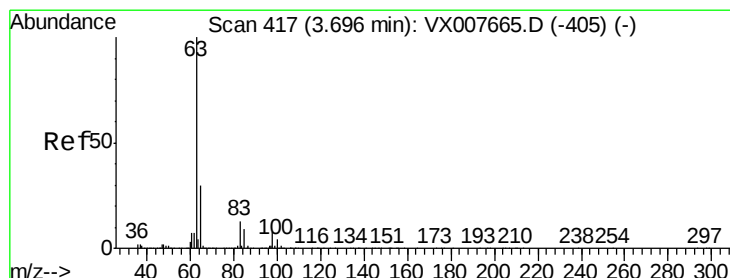
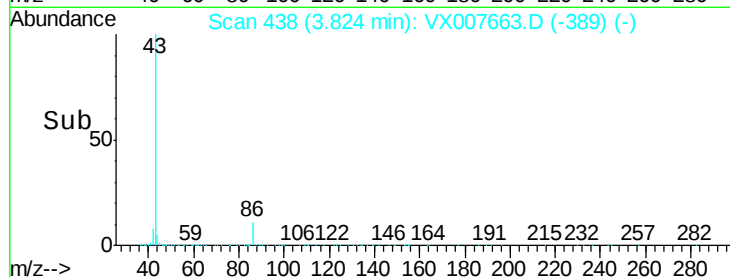
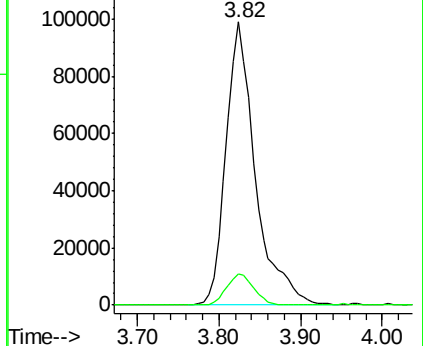
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 5.300 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

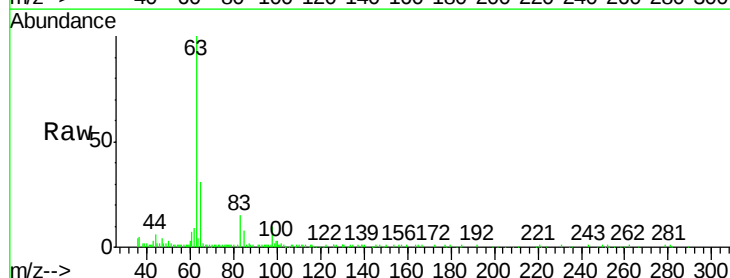
Tgt Ion: 63 Resp: 30367

Ion Ratio Lower Upper

63 100

98 10.4 3.6 10.8

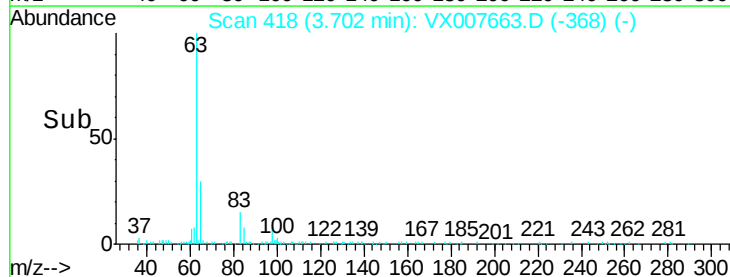
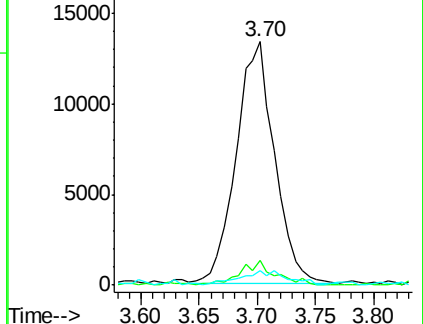
100 5.7 2.5 7.4

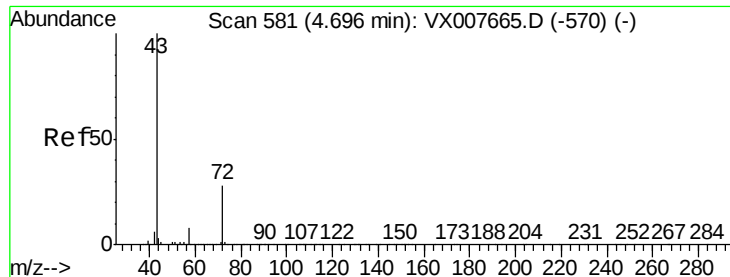


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 30.359 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 73236

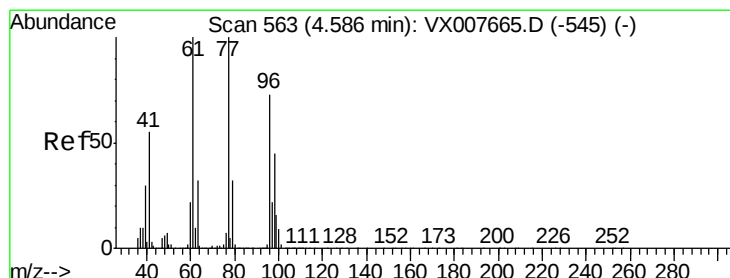
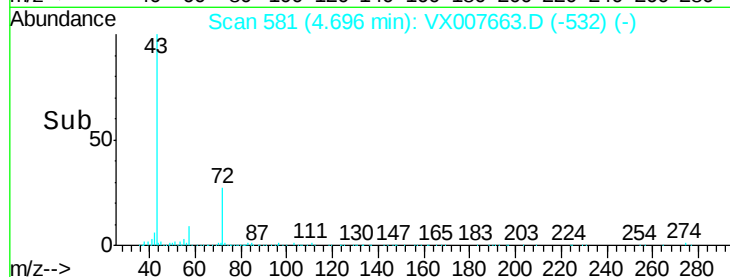
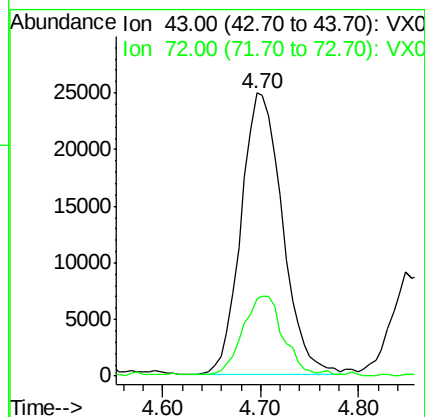
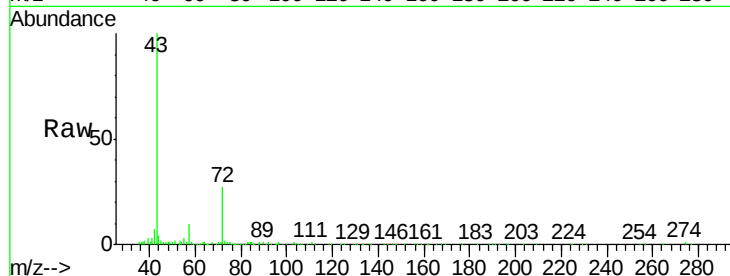
Ion Ratio Lower Upper

43 100

72 27.0 22.2 33.2

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#26

2,2-Dichloropropane

Concen: 5.524 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX007663.D

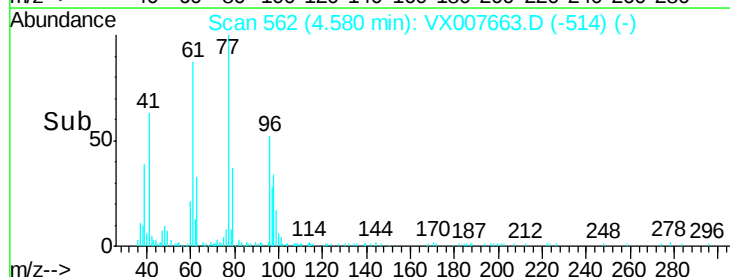
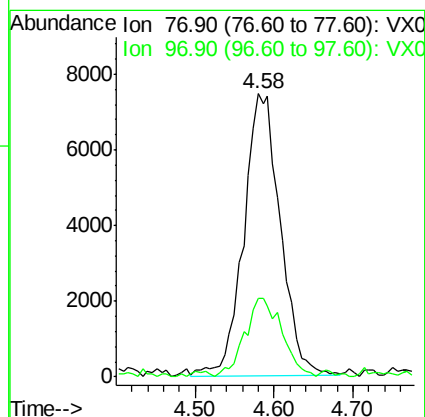
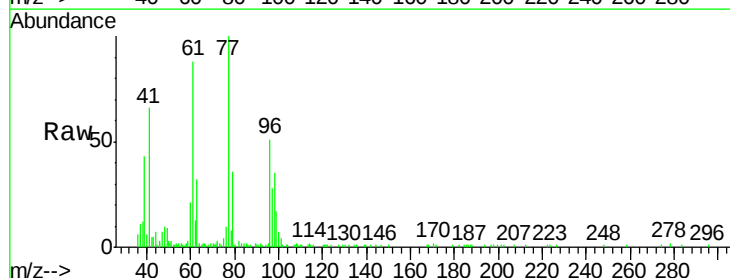
Acq: 25 Feb 2019 10:15

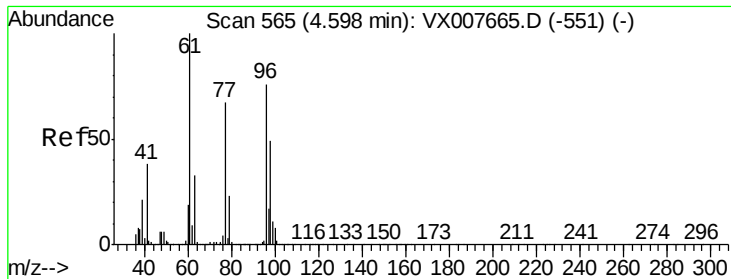
Tgt Ion: 77 Resp: 24104

Ion Ratio Lower Upper

77 100

97 28.2 12.1 36.3





#27

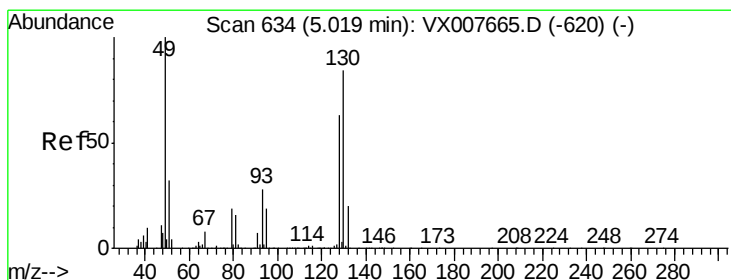
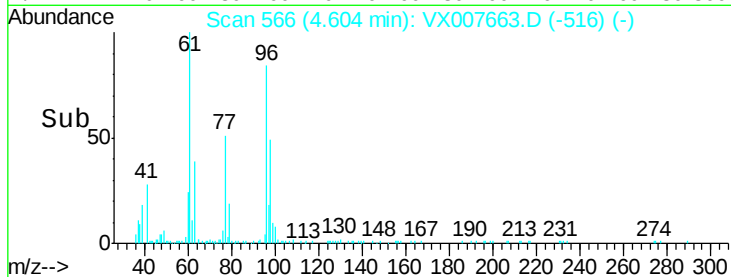
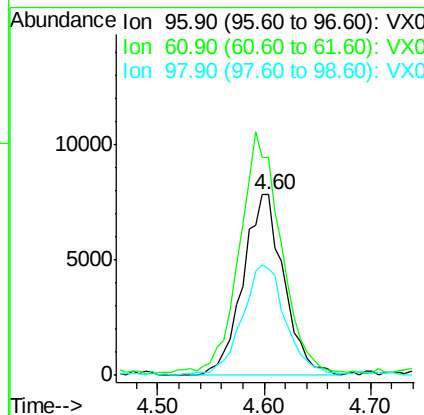
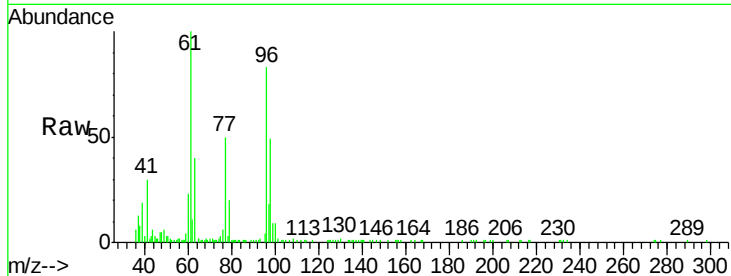
cis-1,2-Dichloroethene
Concen: 5.445 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
96	100	21090		
61	137.1	0.0	265.6	
98	65.3	0.0	131.6	

Manual Integrations
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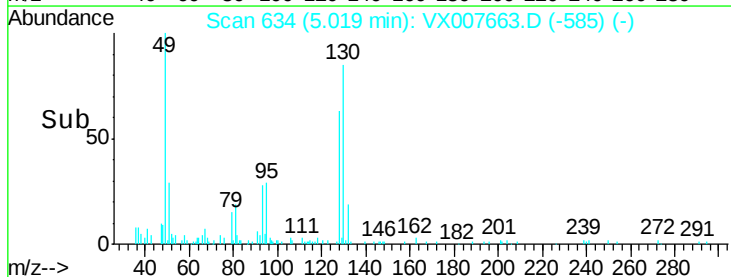
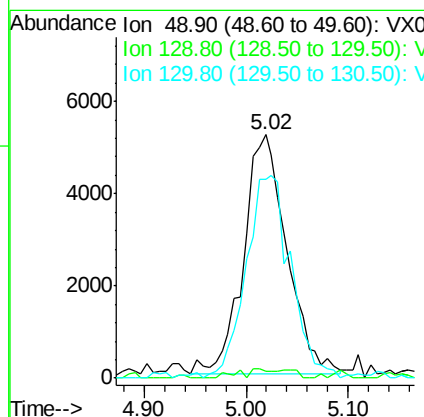
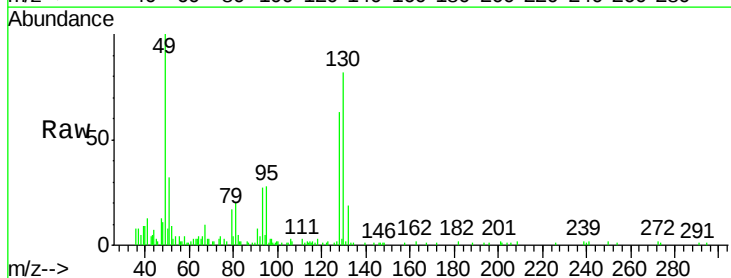
MMDadoda
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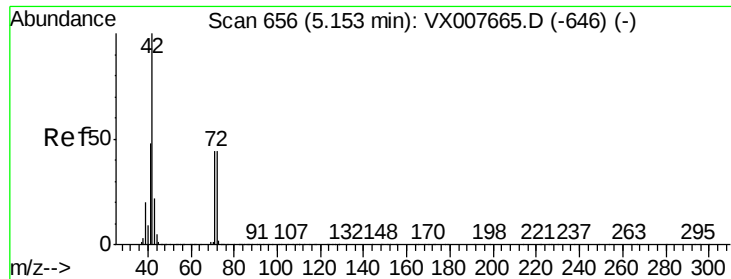


#28

Bromochloromethane
Concen: 5.790 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	15256		
129	1.6	0.0	5.6	
130	87.6	75.6	113.4	





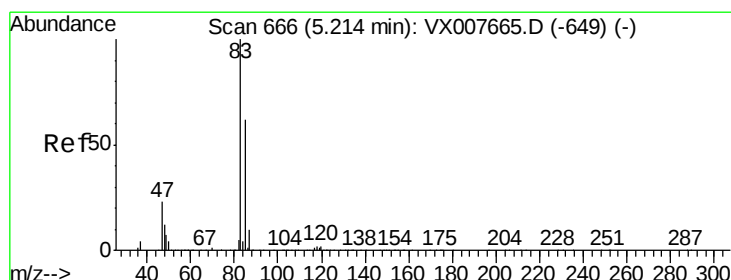
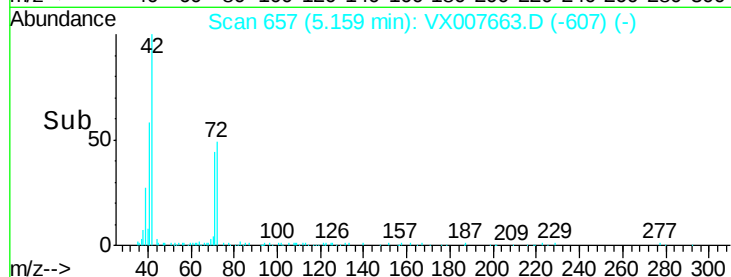
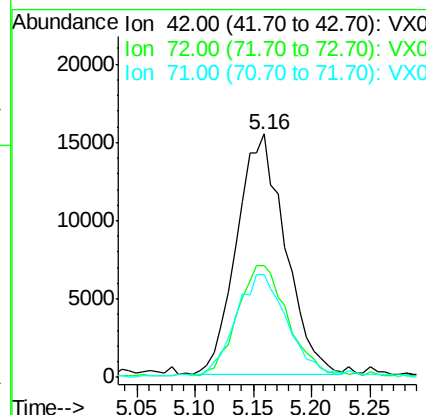
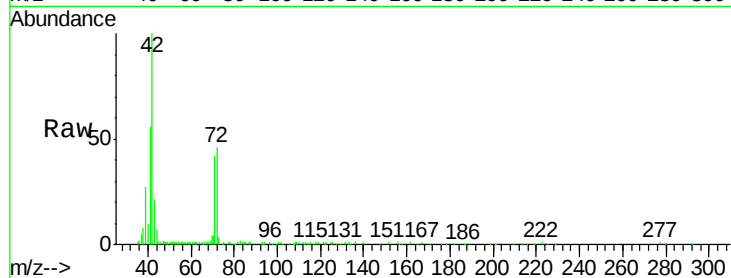
#29
Tetrahydrofuran
Concen: 29.270 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.7	37.6	56.4
71	45.0	34.6	51.8

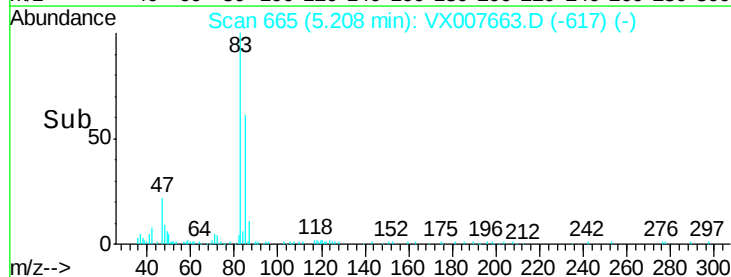
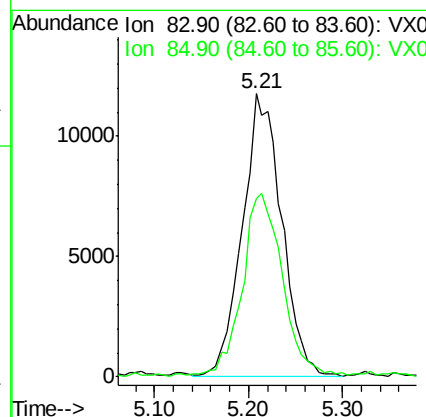
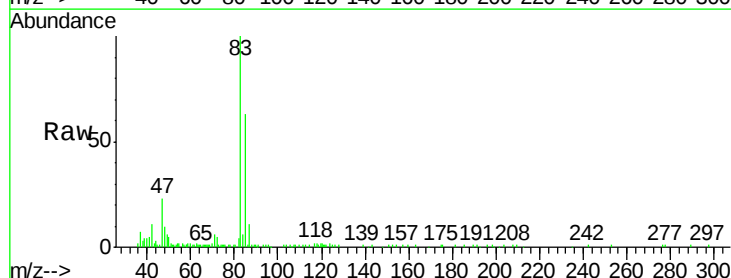
Manual Integrations
APPROVED

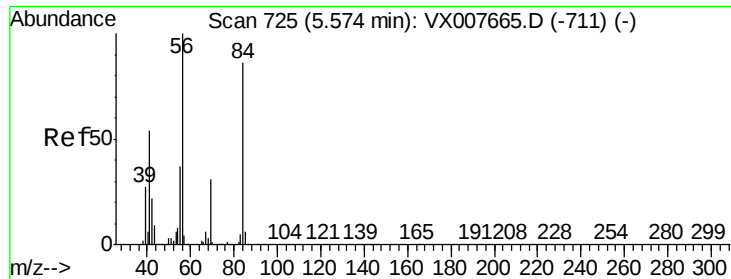
MMDadoda
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#30
Chloroform
Concen: 5.767 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.6	77.4





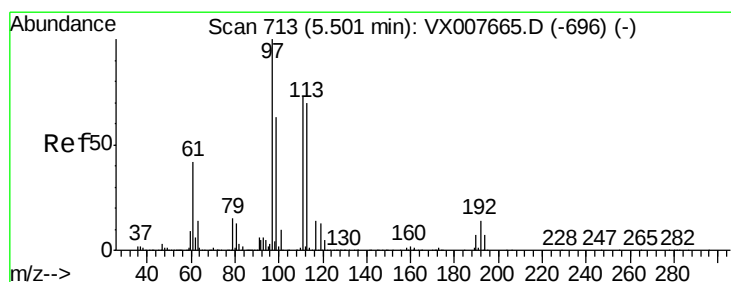
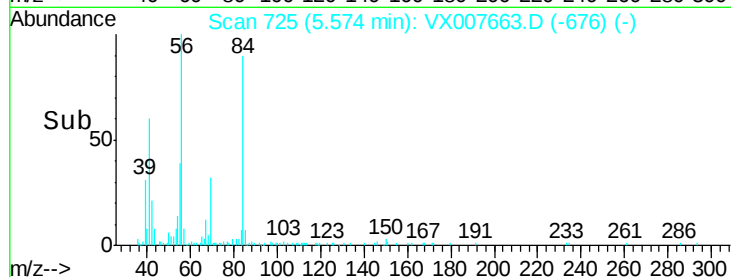
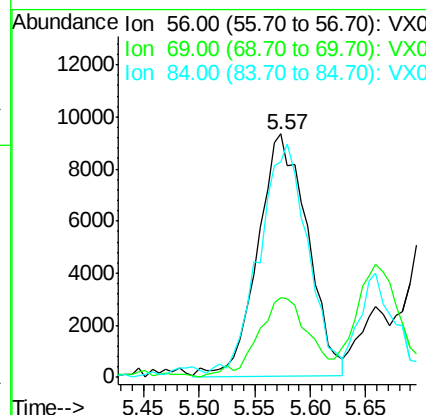
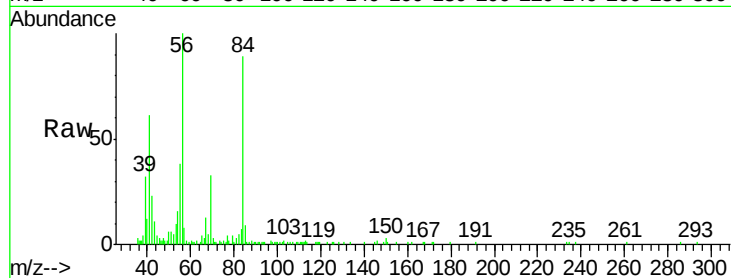
#31
Cyclohexane
Concen: 5.608 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	23.0	34.6
84	85.6	69.8	104.6

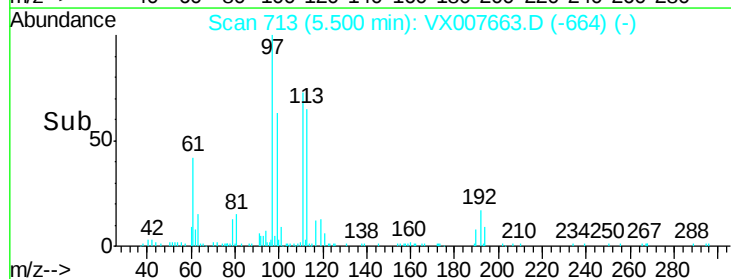
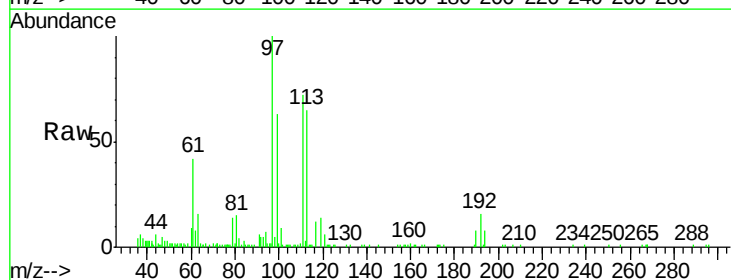
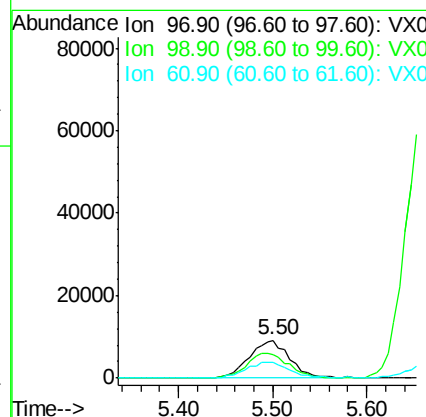
Manual Integrations
APPROVED

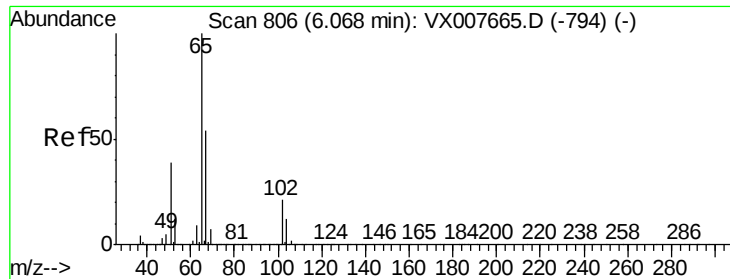
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#32
1,1,1-Trichloroethane
Concen: 5.317 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.4	52.2	78.2
61	46.0	32.7	49.1





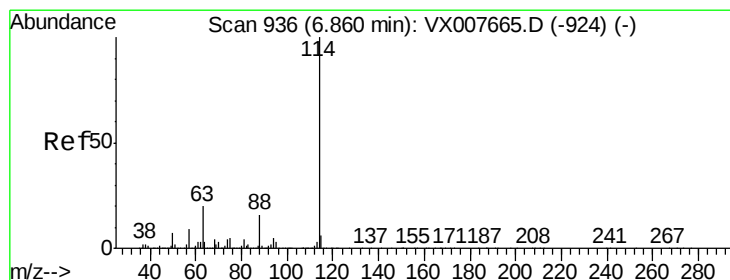
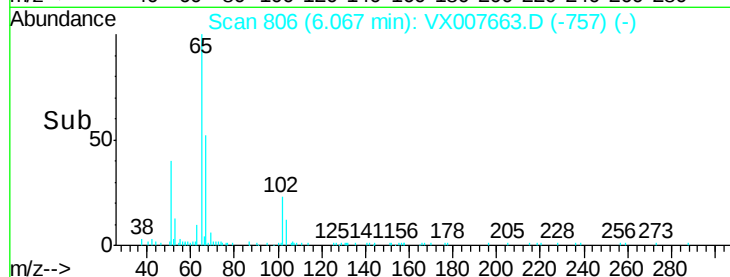
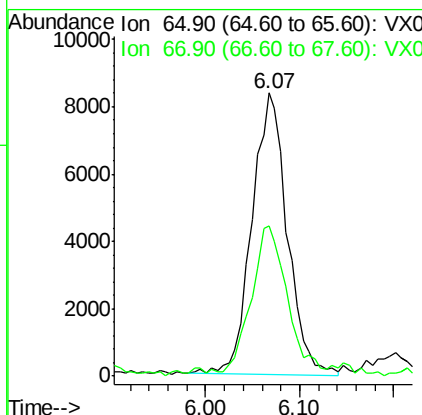
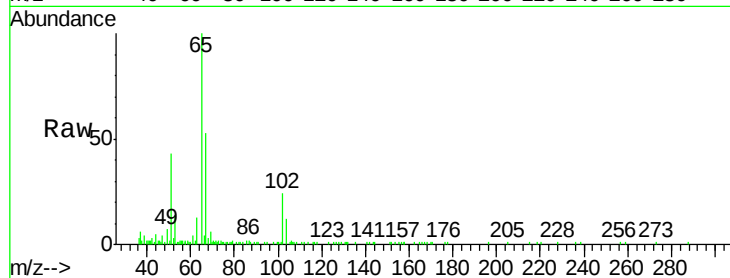
#33
 1,2-Dichloroethane-d4
 Concen: 5.927 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007663.D
 Acq: 25 Feb 2019 10:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	108.8

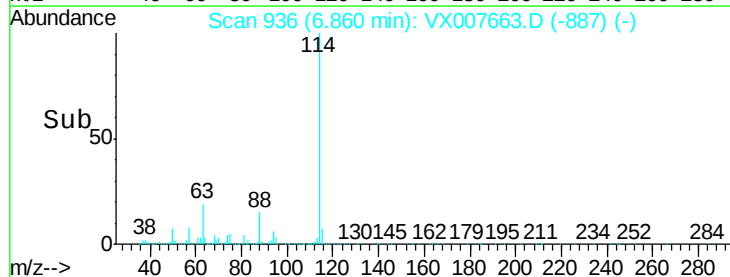
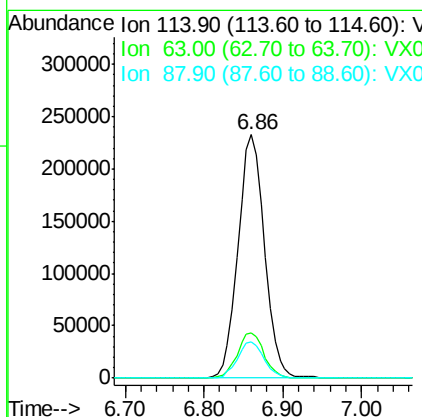
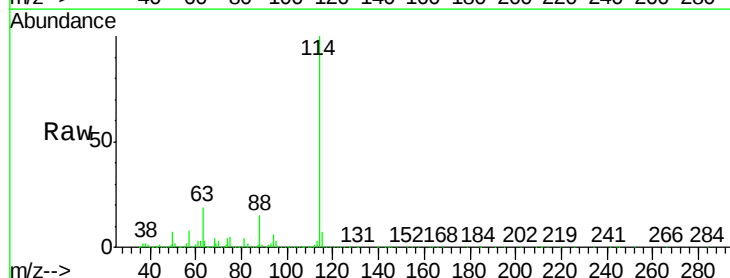
Manual Integrations
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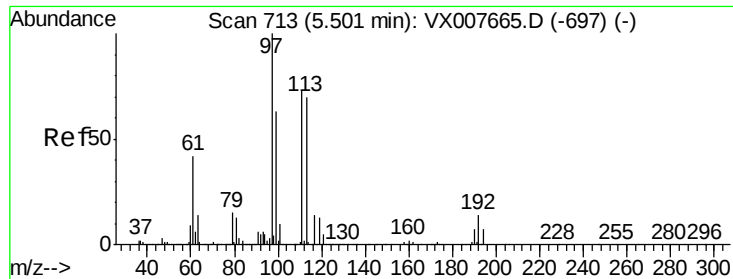
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007663.D
 Acq: 25 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	35.6
88	15.1	0.0	29.6





#35

Dibromofluoromethane

Concen: 5.151 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Instrument :

MSVOA_X

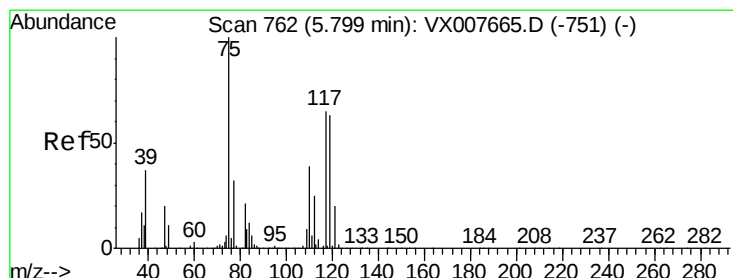
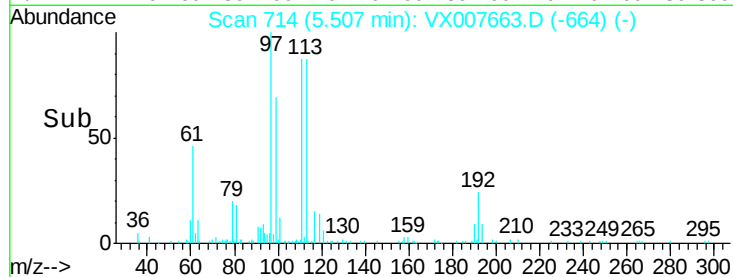
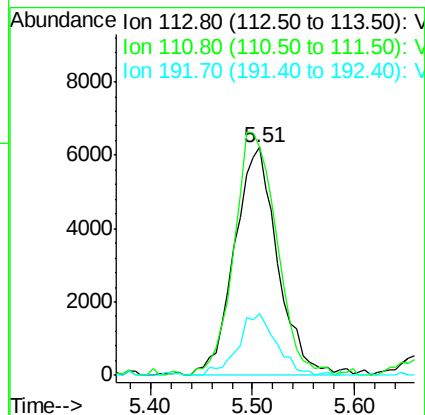
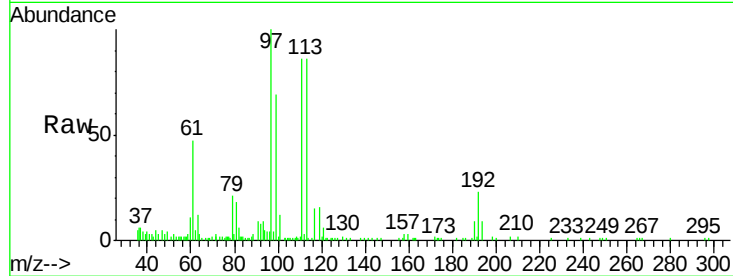
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	18242
Ion Ratio	Lower	Upper	
113	100		
111	105.9	81.8	122.8
192	24.2	18.5	27.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 5.049 ug/l

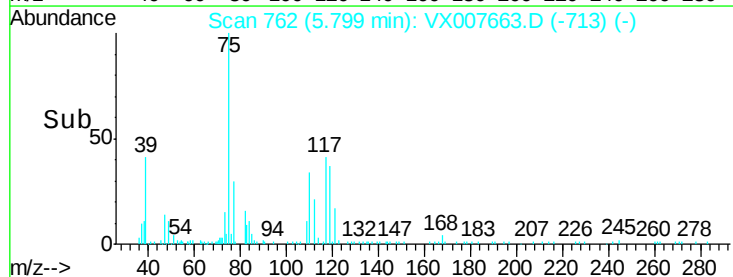
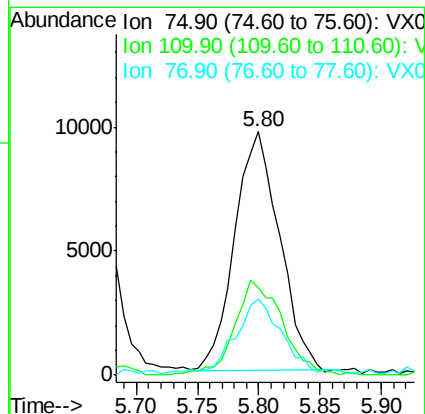
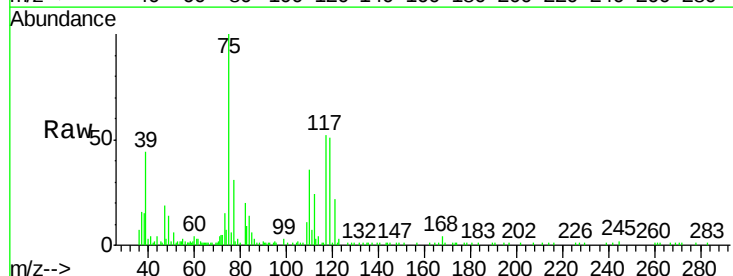
RT: 5.80 min Scan# 762

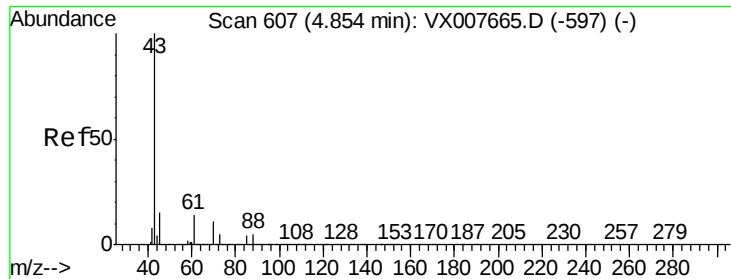
Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Tgt Ion:	75	Resp:	24657
Ion Ratio	Lower	Upper	
75	100		
110	41.7	20.0	59.9
77	33.8	24.7	37.1





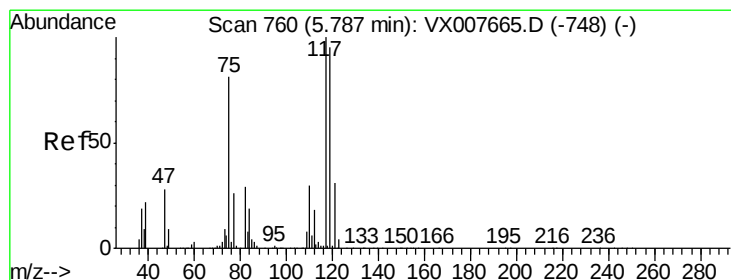
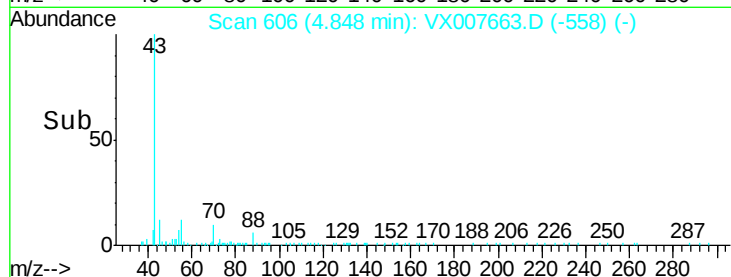
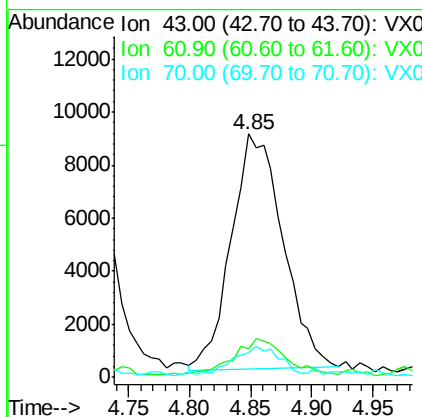
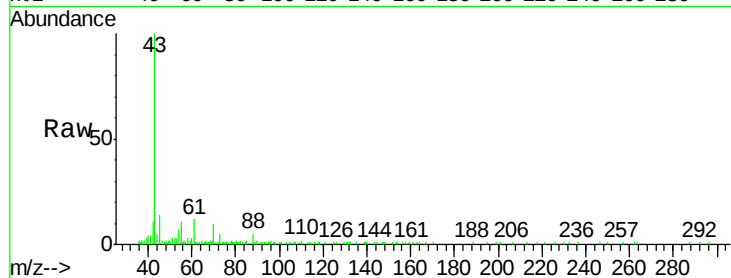
#37
Ethyl Acetate
Concen: 5.269 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	43	Resp:	26014
Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.3	16.9
70	10.3	8.6	13.0

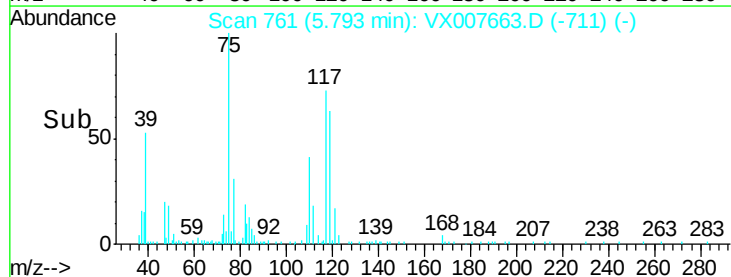
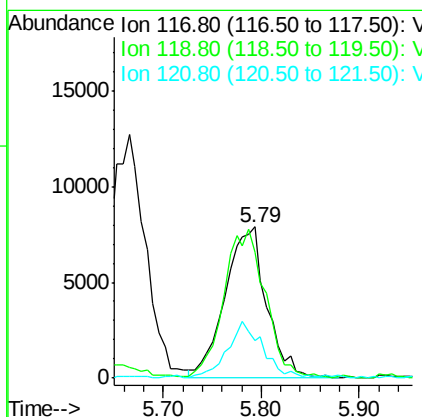
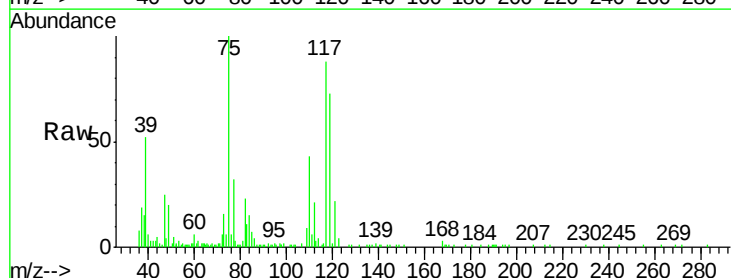
Manual Integrations
APPROVED

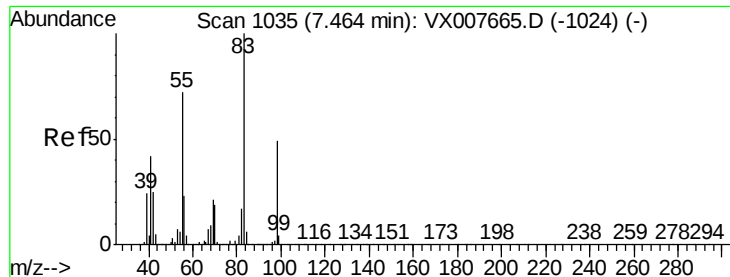
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#38
Carbon Tetrachloride
Concen: 4.914 ug/l
RT: 5.79 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Tgt Ion:	117	Resp:	23284
Ion	Ratio	Lower	Upper
117	100		
119	82.2	75.3	112.9
121	24.9	25.0	37.4#





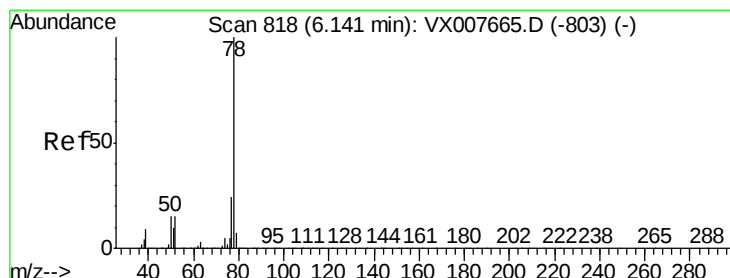
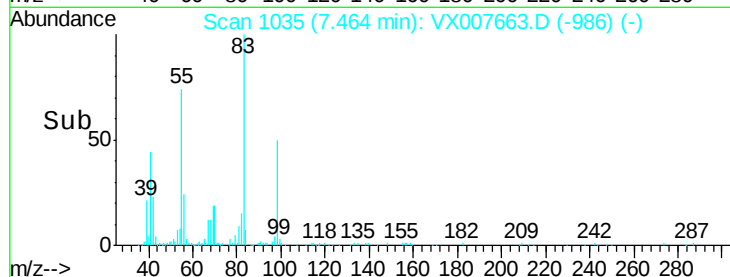
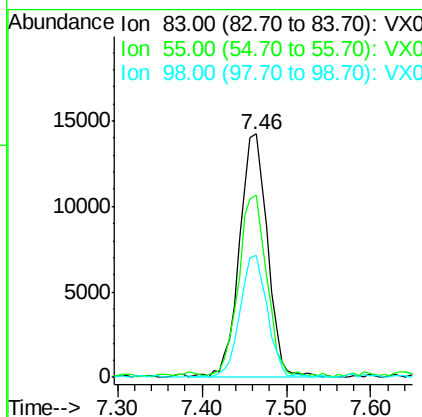
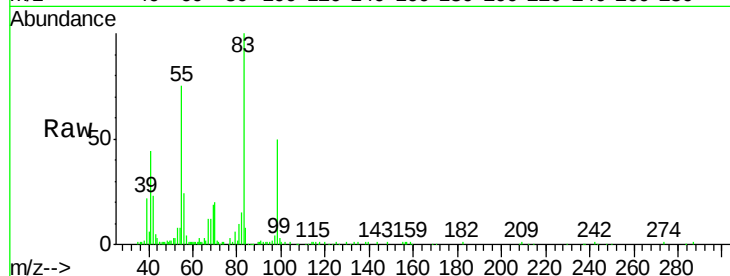
#39
Methvlcvclohexane
Concen: 5.406 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.2	56.2	84.2
98	50.2	36.8	55.2

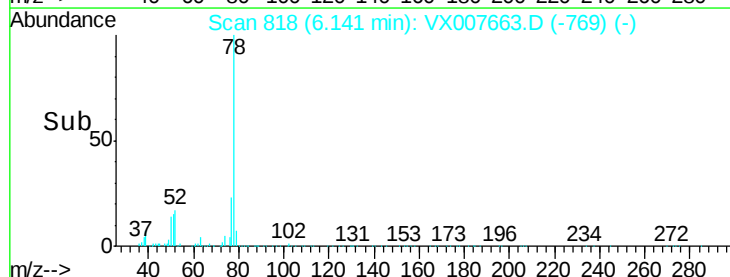
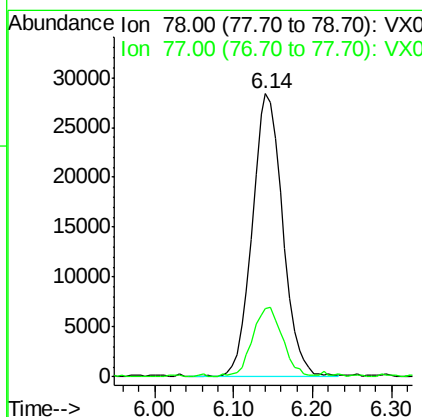
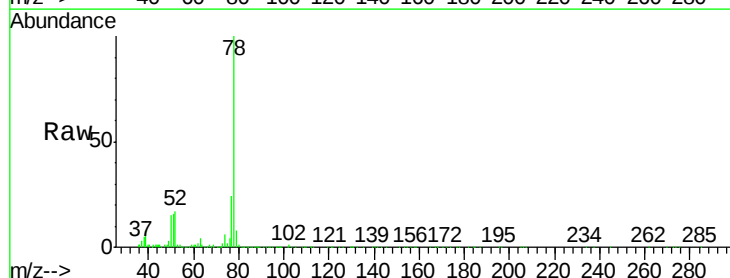
Manual Integrations
APPROVED

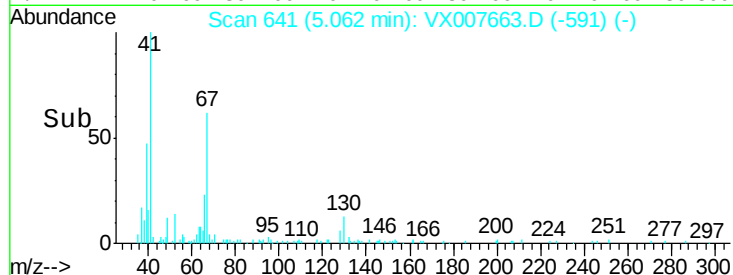
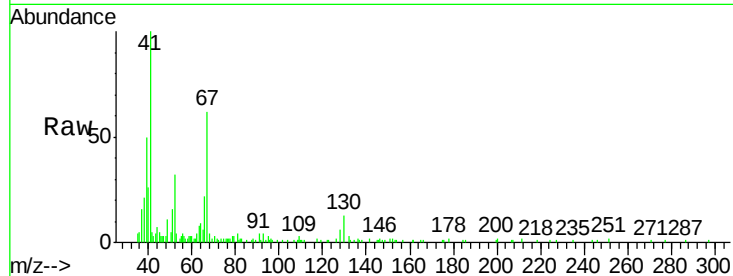
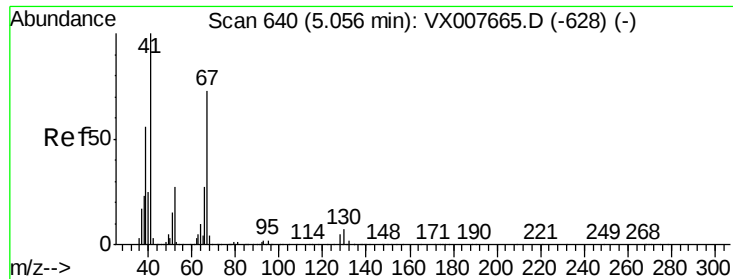
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#40
Benzene
Concen: 5.313 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9





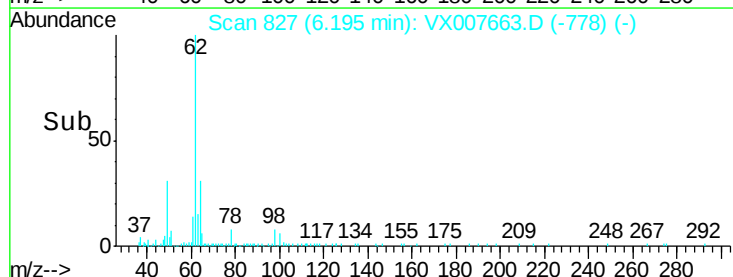
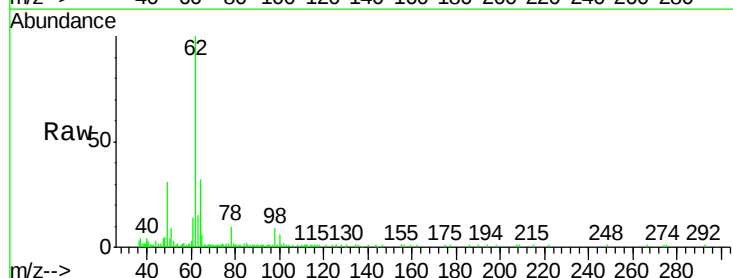
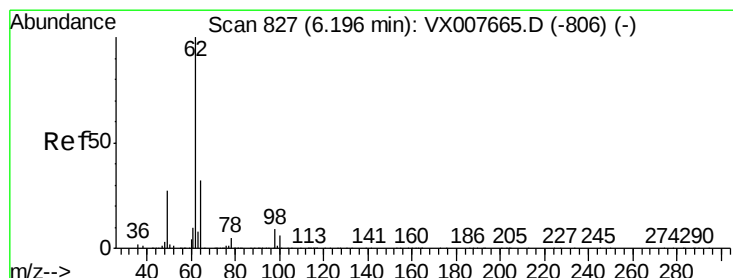
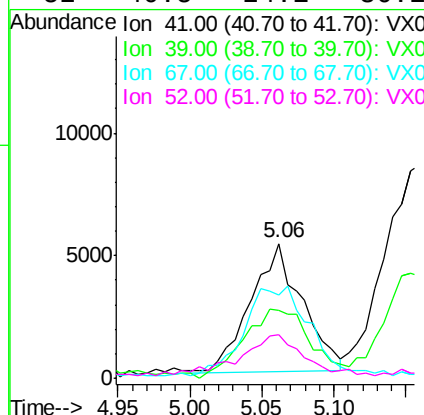
#41
Methacrylonitrile
Concen: 4.958 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.3	44.5	66.7#
67	88.9	60.4	90.6
52	40.5	24.1	36.1#

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

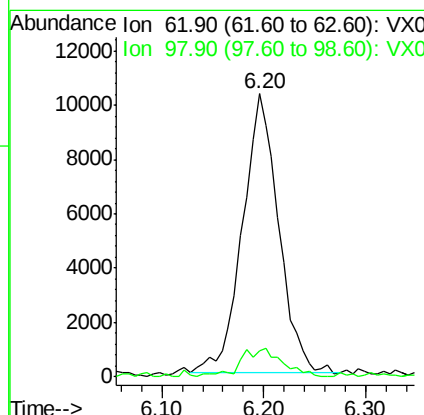
Manual Integrations
APPROVED

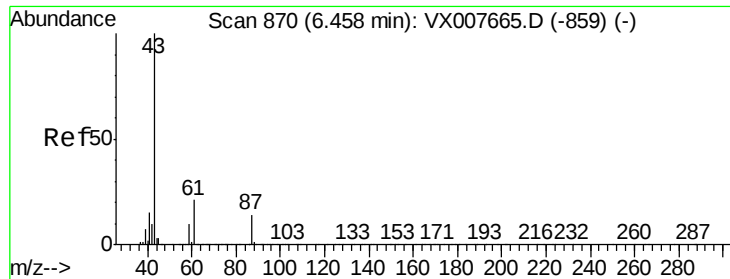
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#42
1,2-Dichloroethane
Concen: 5.019 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	12.2	0.0	19.0





#43

Isopropyl Acetate

Concen: 5.337 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Instrument :

MSVOA_X

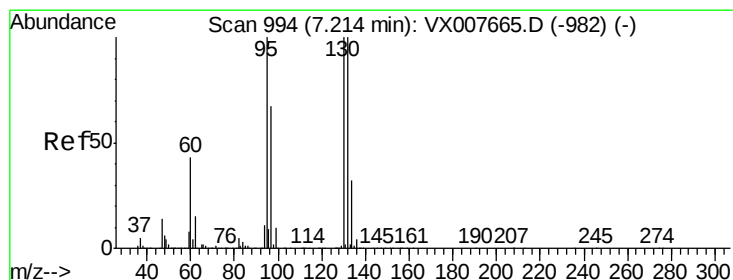
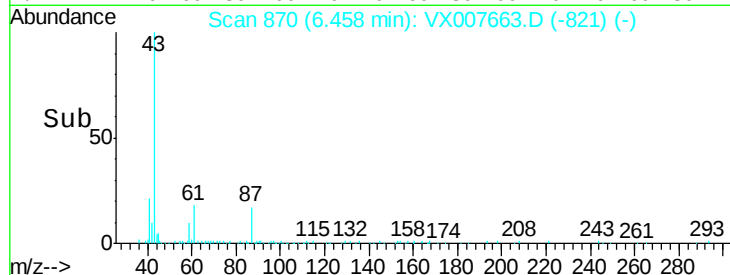
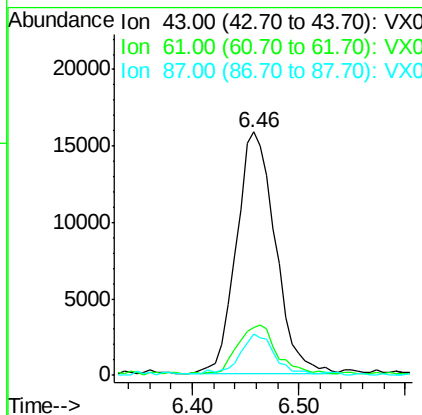
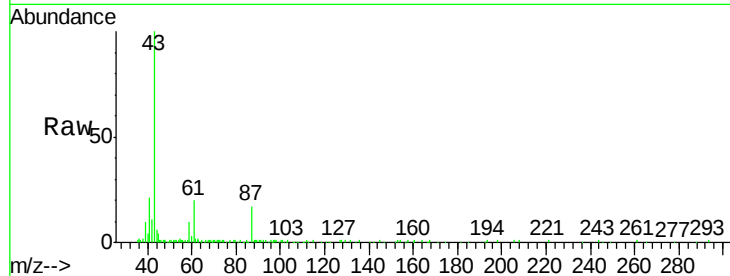
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	40671
Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.1	24.1
87	14.7	11.5	17.3

Manual Integrations
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#44

Trichloroethene

Concen: 5.178 ug/l

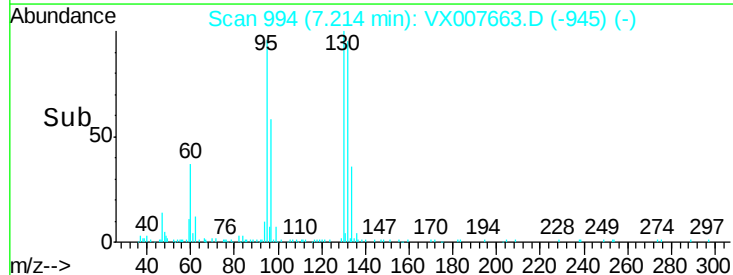
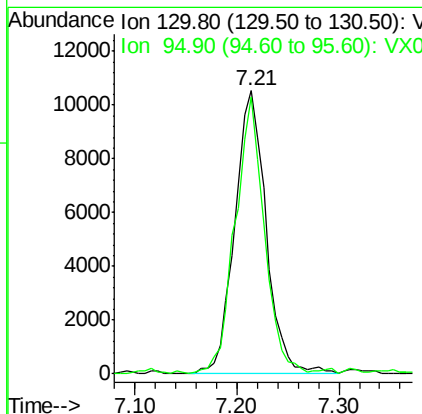
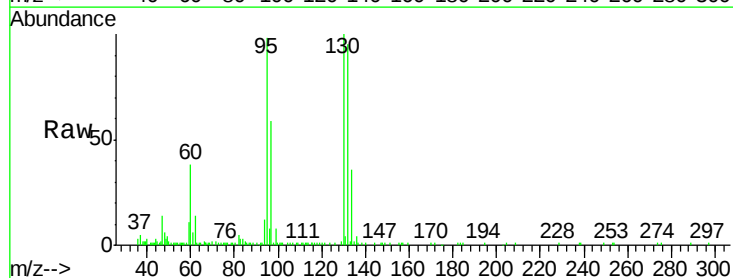
RT: 7.21 min Scan# 994

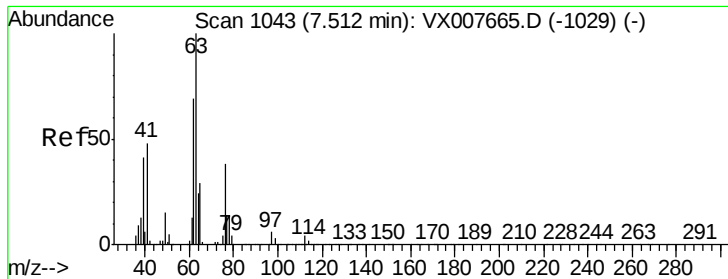
Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Tgt Ion:	130	Resp:	22434
Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	180.0





#45

1,2-Dichloropropane

Concen: 5.483 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 19764

Ion Ratio Lower Upper

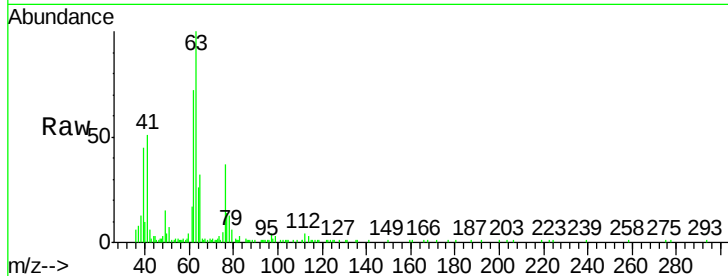
63 100

65 30.7 24.2 36.2

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

10000

8000

6000

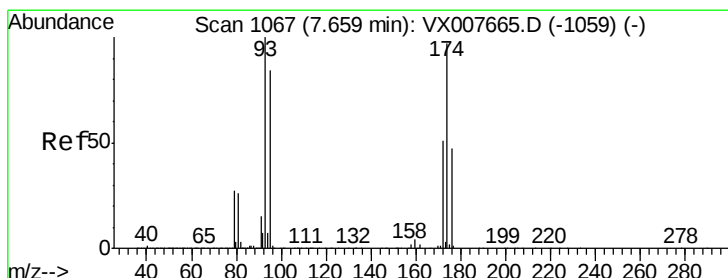
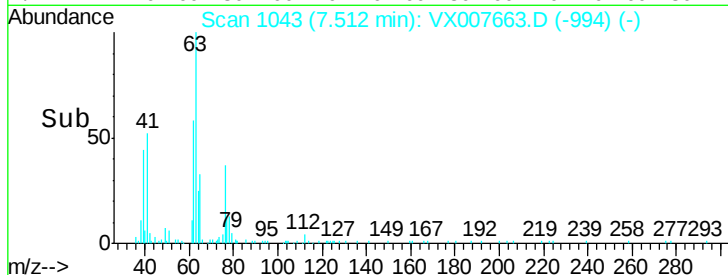
4000

2000

0

7.45 7.50 7.55 7.60

Time-->



#46

Dibromomethane

Concen: 5.126 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

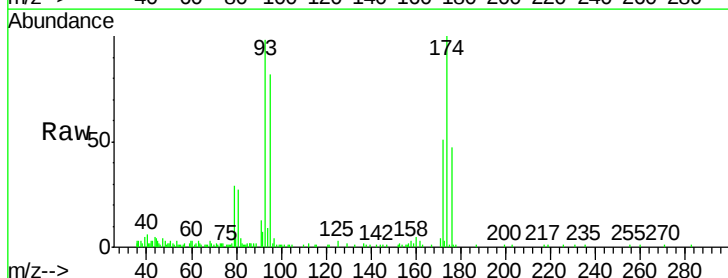
Tgt Ion: 93 Resp: 13428

Ion Ratio Lower Upper

93 100

95 87.7 67.6 101.4

174 102.2 94.2 141.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

8000

6000

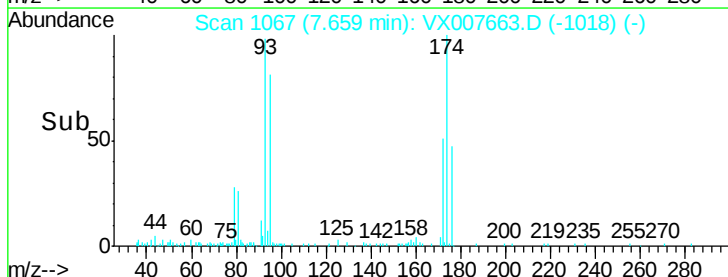
4000

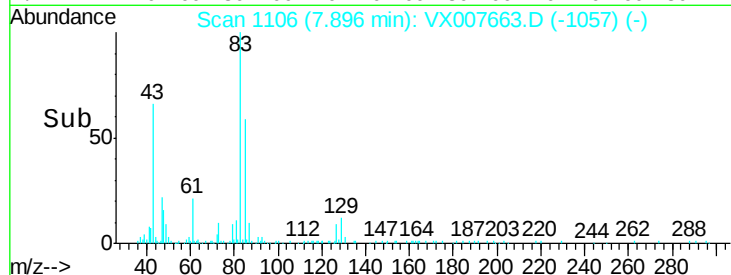
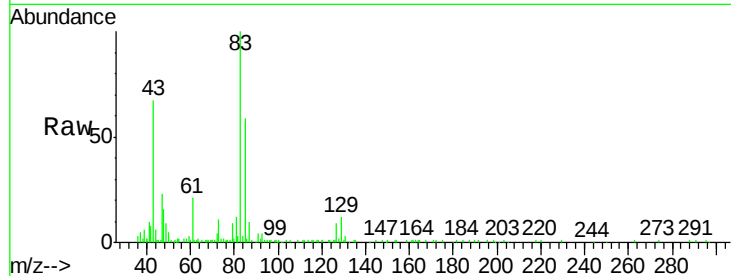
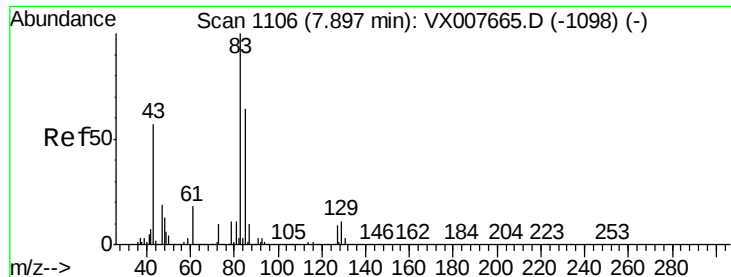
2000

0

7.60 7.65 7.70 7.75

Time-->





#47

Bromodichloromethane

Concen: 5.083 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Tot Ion:	83	Resp:	22570
Ion	Ratio	Lower	Upper
83	100		
85	57.9	51.4	77.0
127	9.1	8.1	12.1

Instrument :

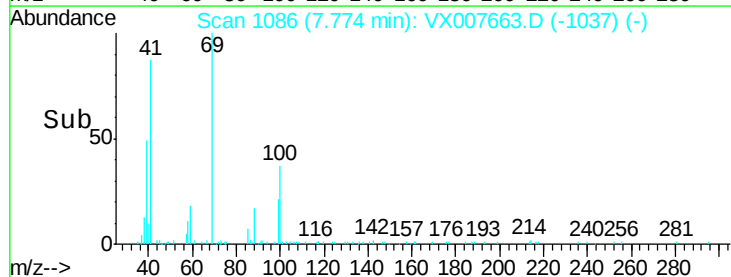
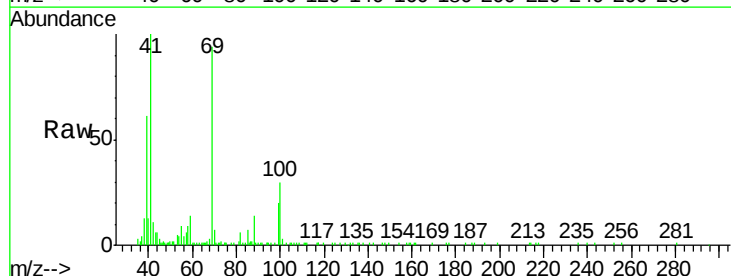
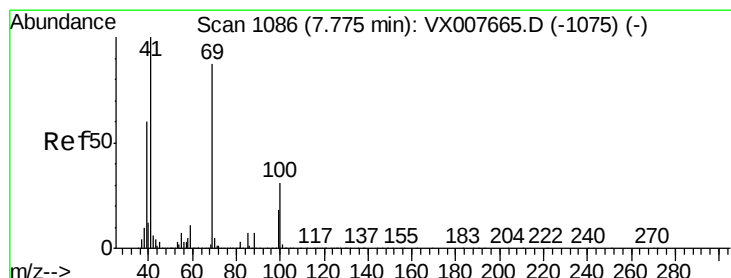
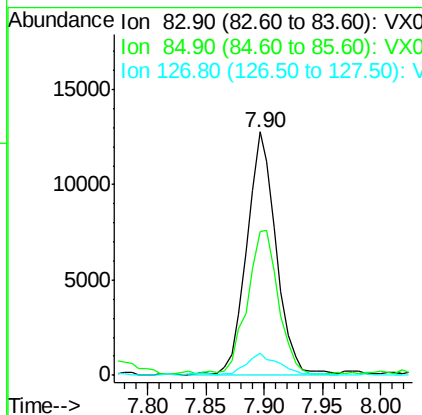
MSVOA_X

ClientSampleId :

VSTDIC005

Manual Integrations
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#48

Methyl methacrylate

Concen: 5.575 ug/l

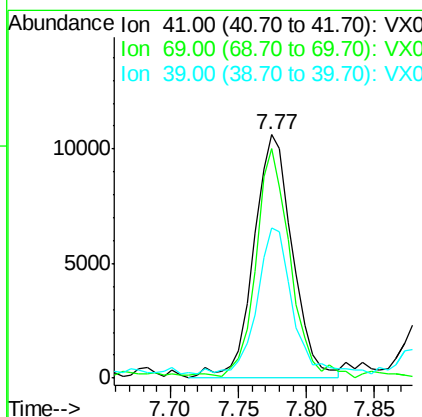
RT: 7.77 min Scan# 1086

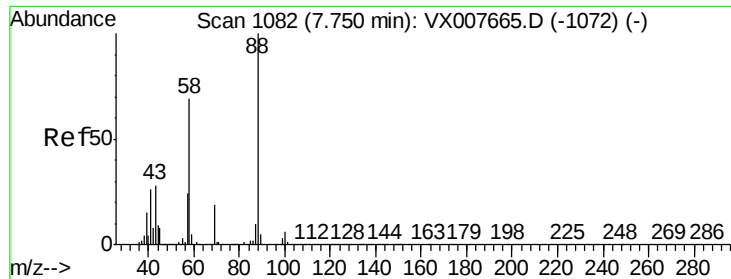
Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Tgt Ion:	41	Resp:	21248
Ion	Ratio	Lower	Upper
41	100		
69	83.4	70.2	105.4
39	54.3	47.4	71.0





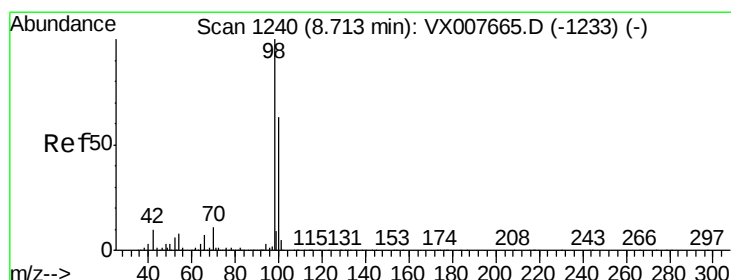
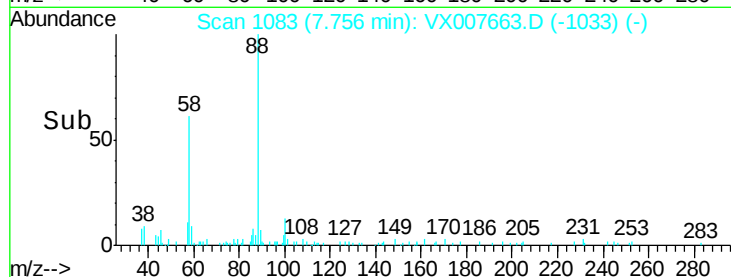
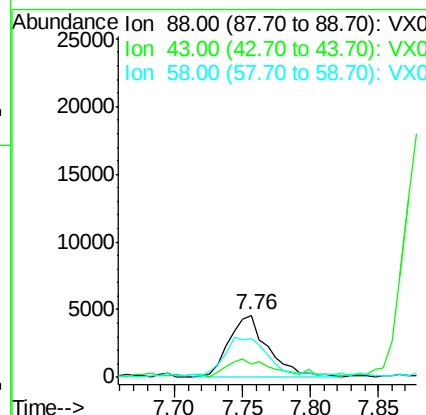
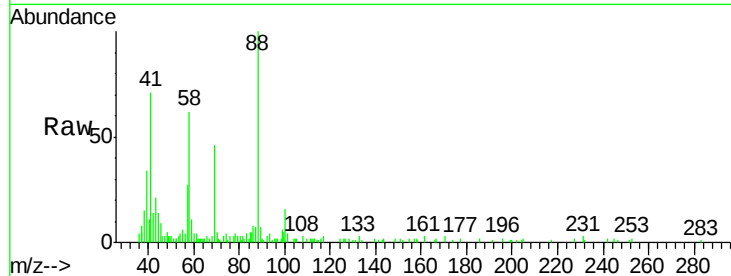
#49
1,4-Dioxane
Concen: 97.818 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	24.2	36.4
58	67.7	53.0	79.4

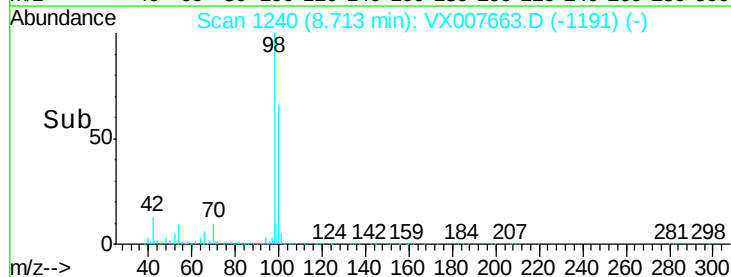
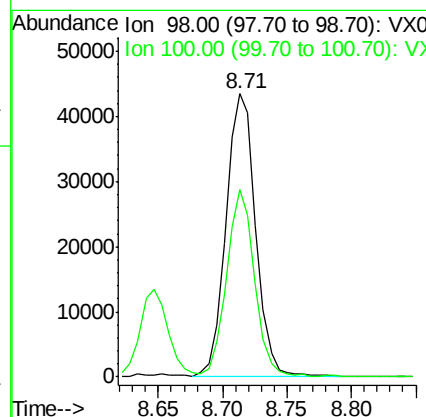
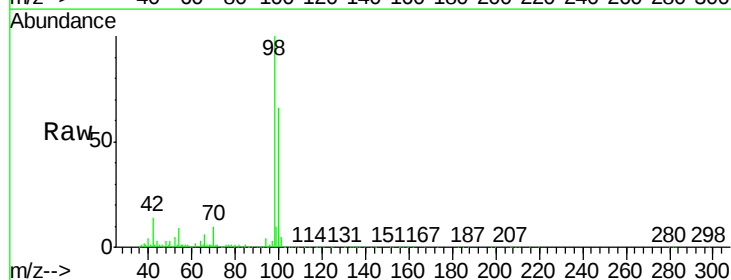
Manual Integrations
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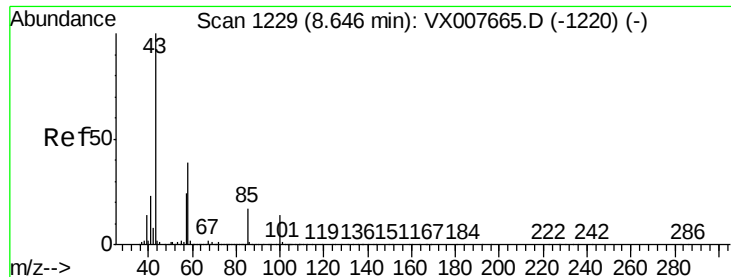
MMDadoda
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#50
Toluene-d8
Concen: 5.310 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.5	51.6	77.4





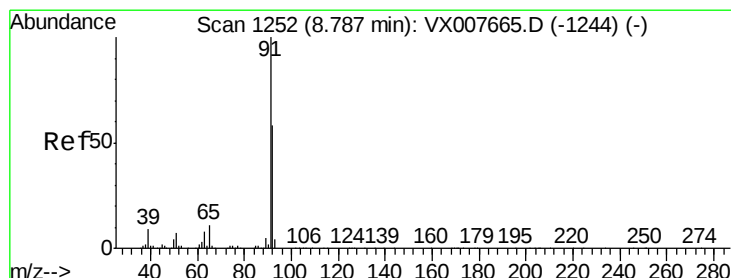
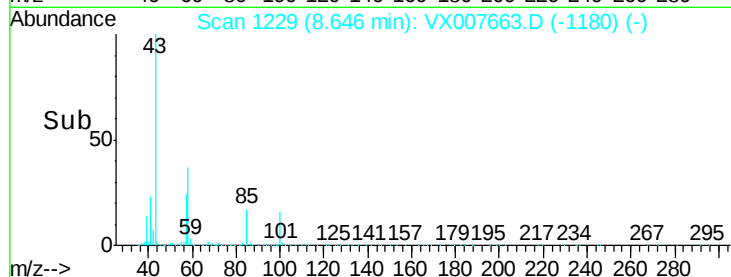
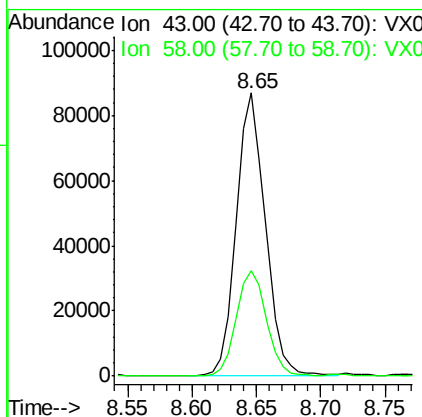
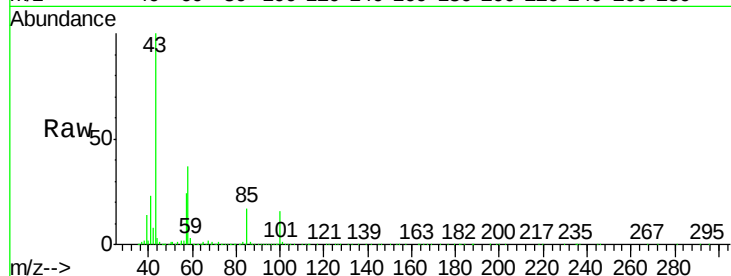
#51
4-Methyl-2-Pentanone
Concen: 27.140 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.0	31.2	46.8

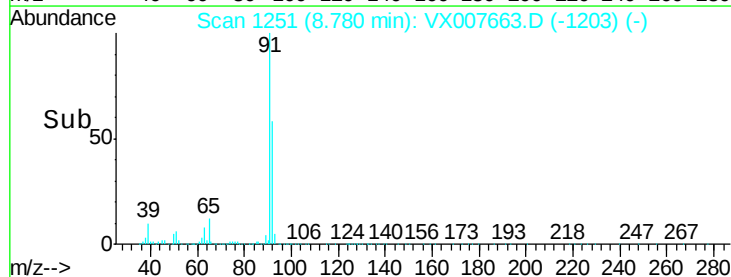
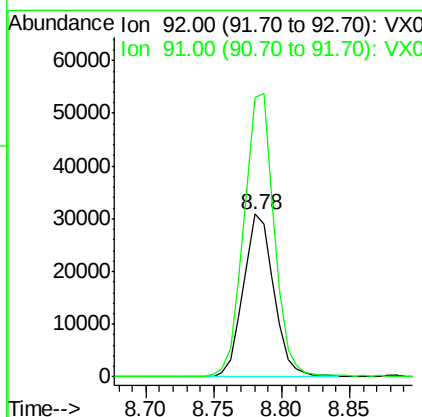
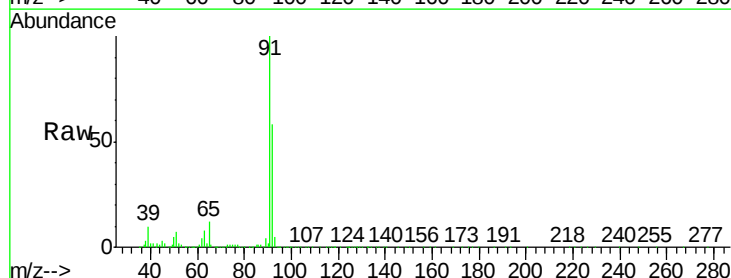
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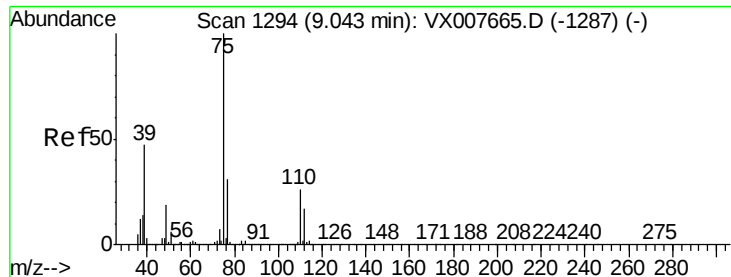
MMDadoda
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#52
Toluene
Concen: 5.235 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.9	139.1	208.7





#53

t-1,3-Dichloropropene

Concen: 4.725 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 22532

Ion Ratio Lower Upper

75 100

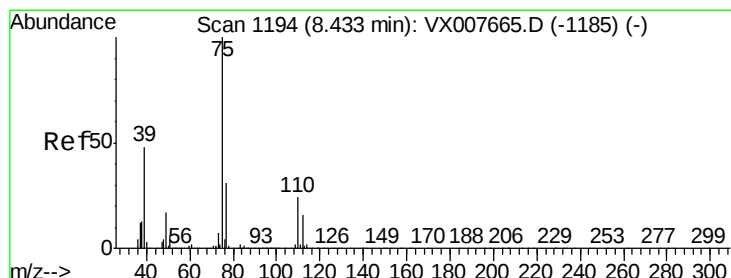
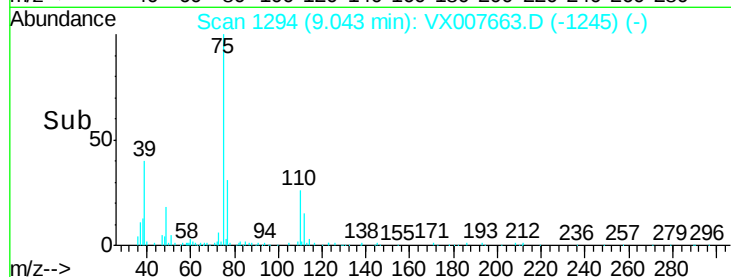
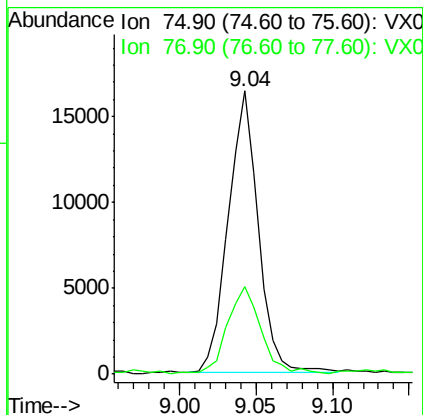
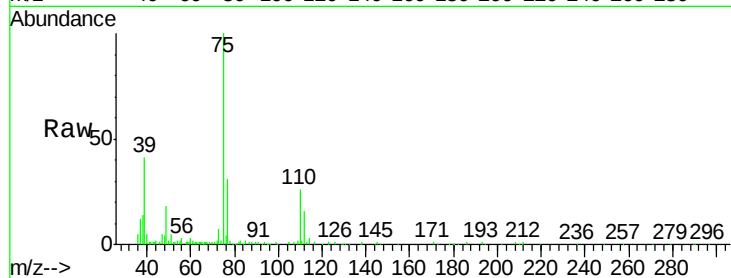
77 30.6 25.2 37.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 4.928 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

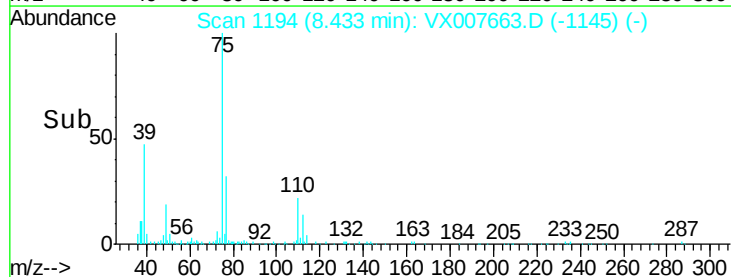
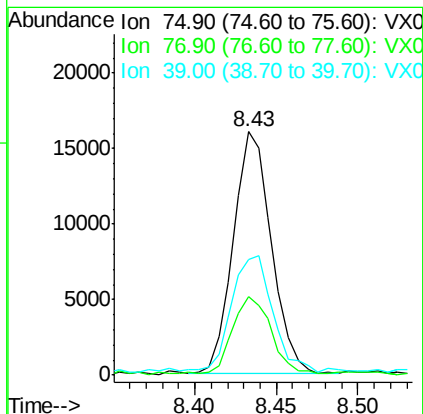
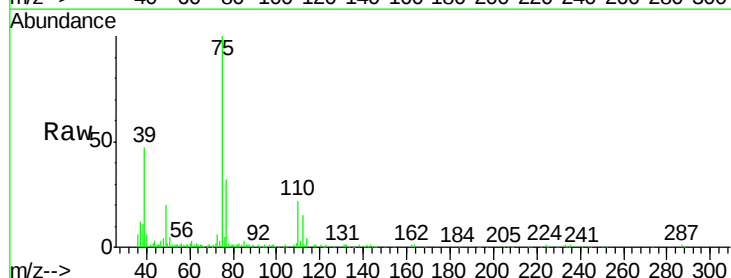
Tgt Ion: 75 Resp: 25844

Ion Ratio Lower Upper

75 100

77 31.2 26.2 39.4

39 45.6 37.1 55.7





#55

1,1,2-Trichloroethane

Concen: 5.195 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Instrument :

MSVOA_X

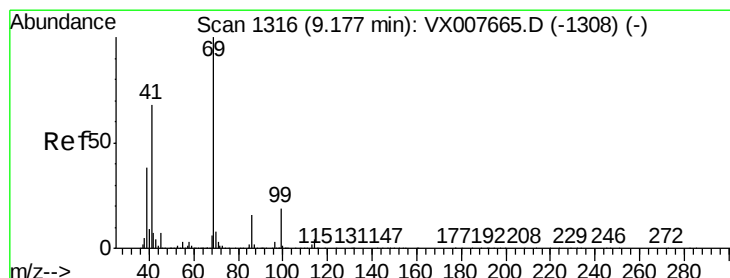
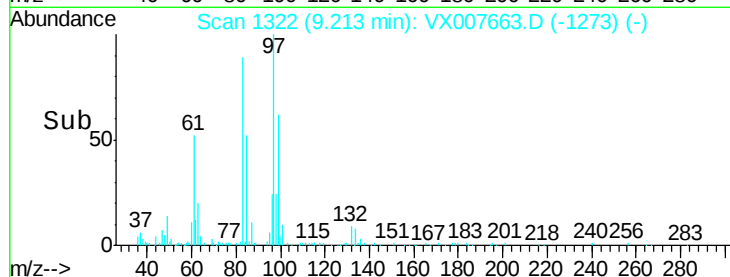
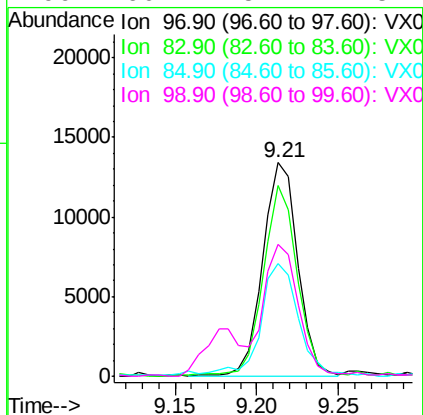
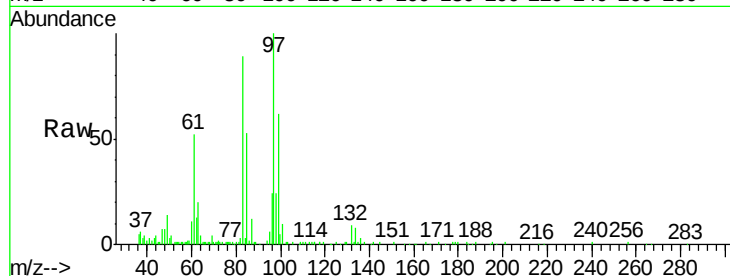
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	20100
Ion	Ratio	Lower	Upper
97	100		
83	88.1	68.6	102.8
85	51.0	44.5	66.7
99	60.2	52.2	78.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 4.696 ug/l

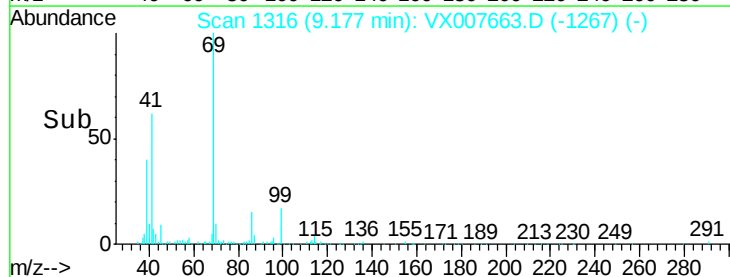
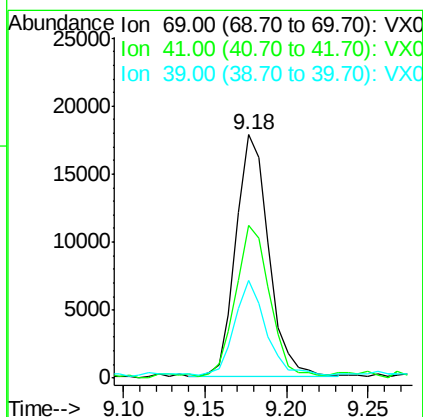
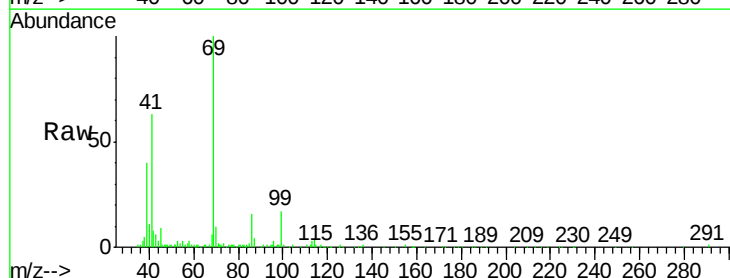
RT: 9.18 min Scan# 1316

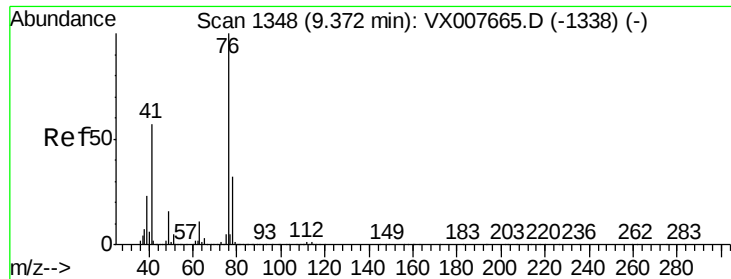
Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Tgt Ion:	69	Resp:	25165
Ion	Ratio	Lower	Upper
69	100		
41	66.3	52.1	78.1
39	36.8	30.1	45.1





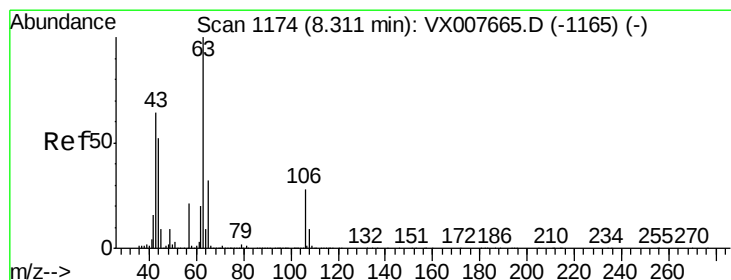
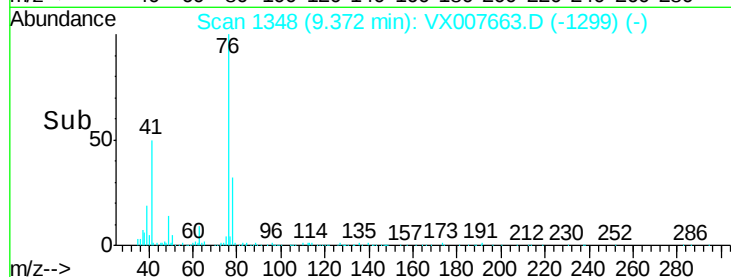
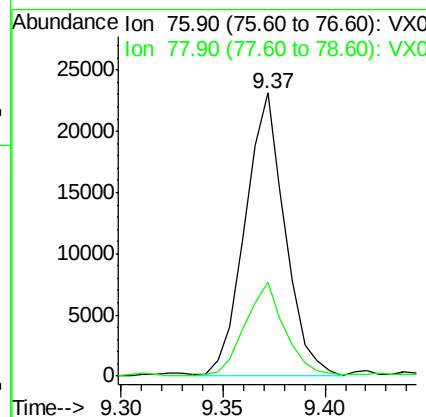
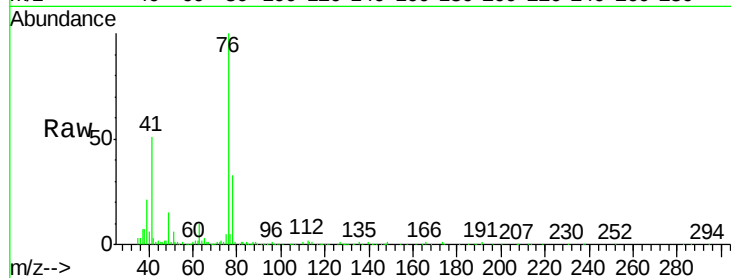
#57
 1,3-Dichloropropane
 Concen: 5.112 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX007663.D
 Acq: 25 Feb 2019 10:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 31455
 Ion Ratio Lower Upper
 76 100
 78 33.7 25.8 38.8

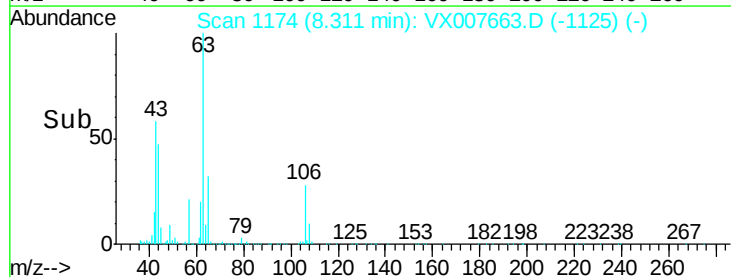
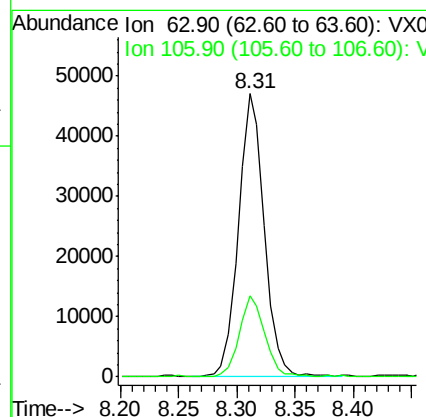
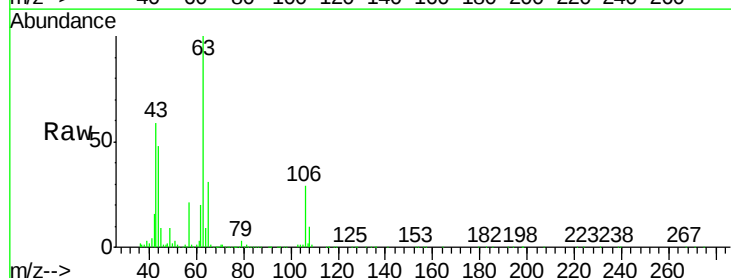
Manual Integrations
 APPROVED

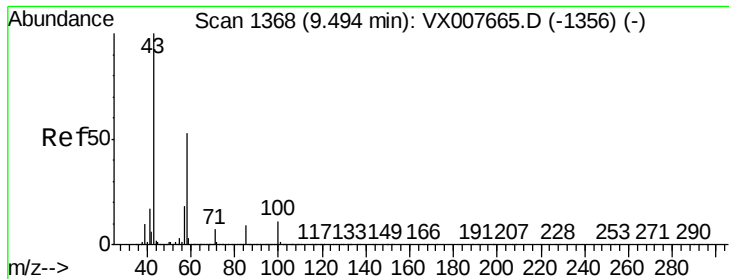
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 2/26/2019 2:57:21 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 25.437 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX007663.D
 Acq: 25 Feb 2019 10:15

Tgt Ion: 63 Resp: 71845
 Ion Ratio Lower Upper
 63 100
 106 28.8 23.6 35.4





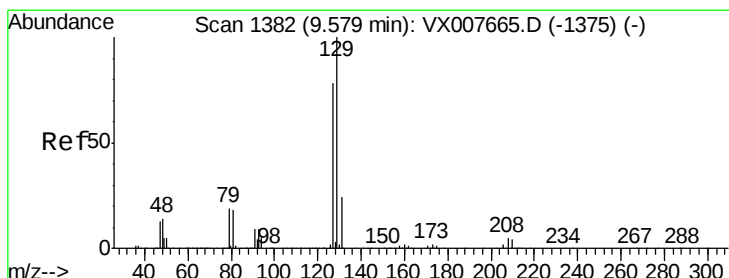
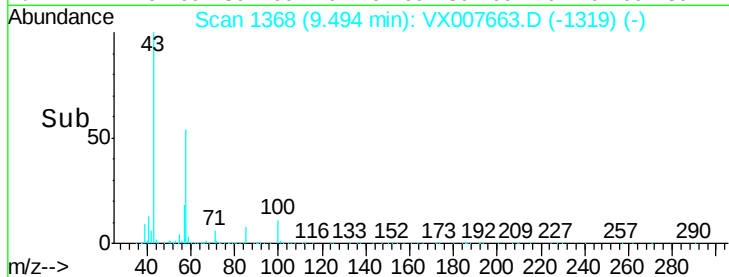
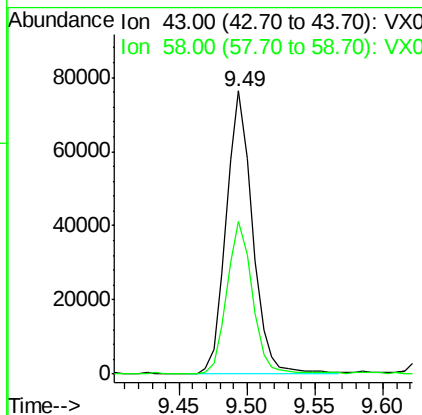
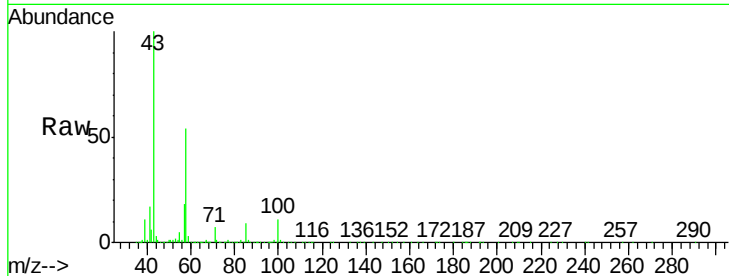
#59
2-Hexanone
Concen: 26.187 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 102222
Ion Ratio Lower Upper
43 100
58 53.3 27.1 81.3

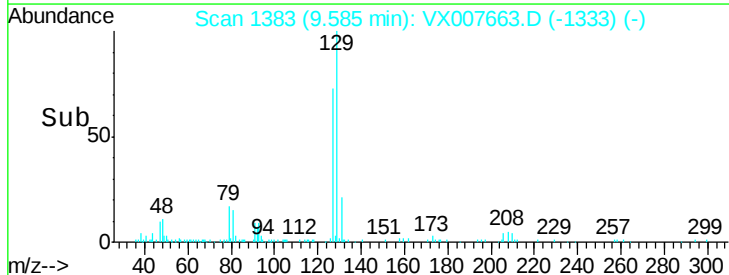
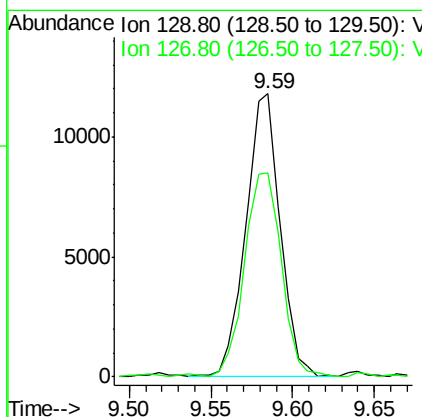
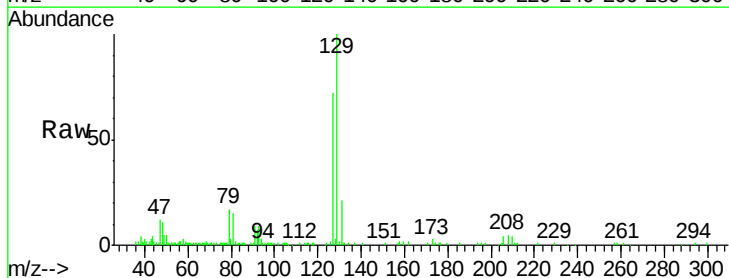
Manual Integrations
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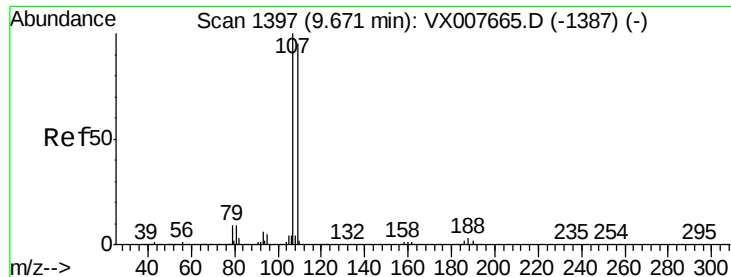
MMDadoda
2/26/2019 2:57:21 PM



#60
Dibromochloromethane
Concen: 4.751 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Tgt Ion: 129 Resp: 17385
Ion Ratio Lower Upper
129 100
127 77.0 37.8 113.4





#61

1,2-Dibromoethane

Concen: 5.049 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 20688

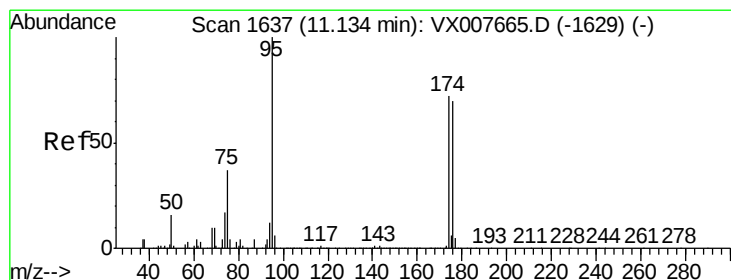
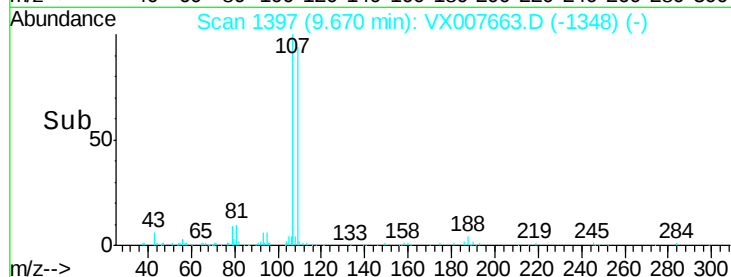
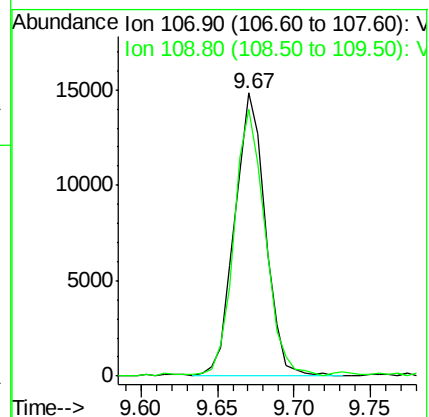
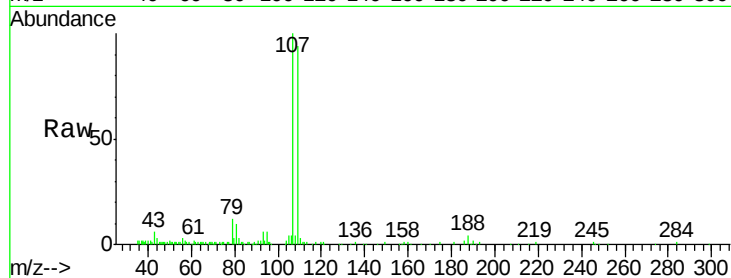
Ion Ratio Lower Upper

107 100

109 93.8 75.1 112.7

Manual Integrations
APPROVED

MMDadoda
2/26/2019 2:57:21 PM



#62

4-Bromofluorobenzene

Concen: 4.760 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

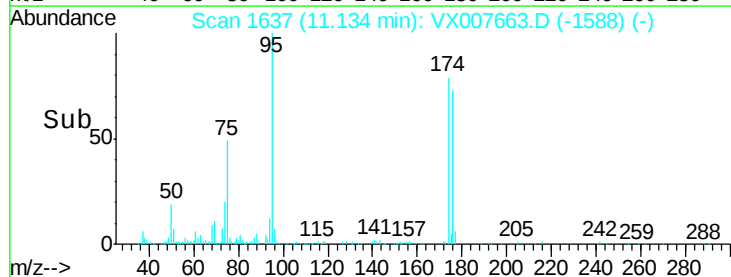
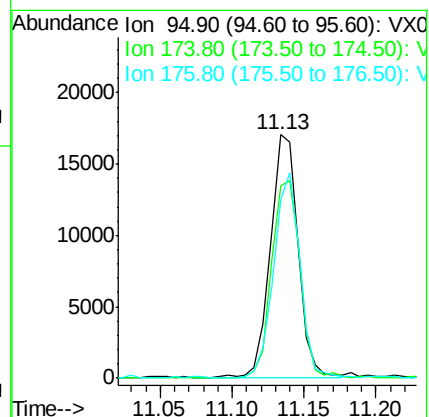
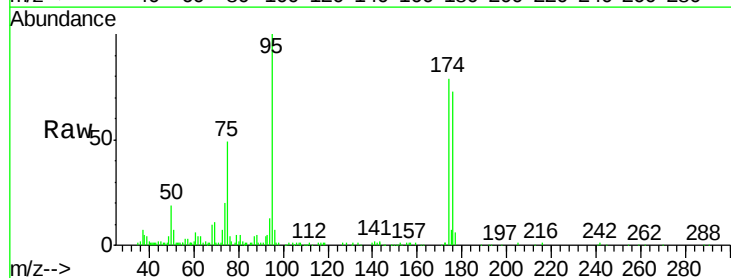
Tgt Ion: 95 Resp: 22834

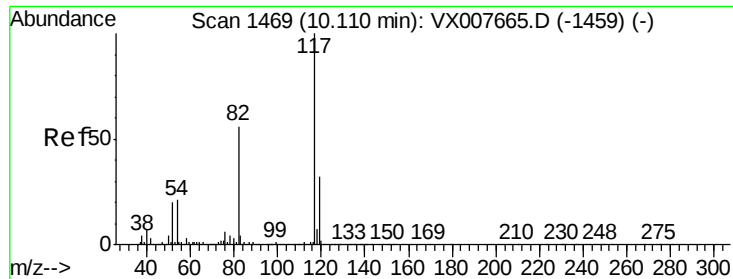
Ion Ratio Lower Upper

95 100

174 82.8 0.0 189.2

176 80.1 0.0 186.2





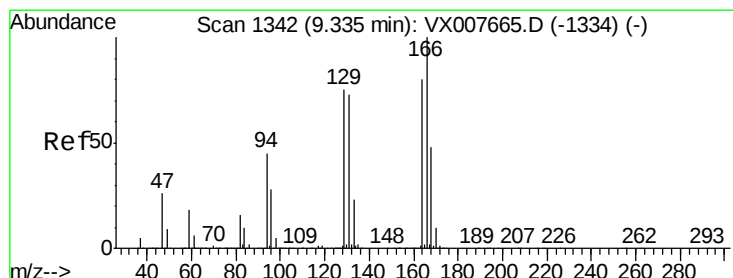
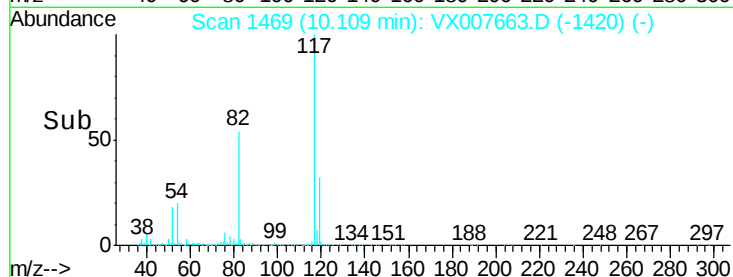
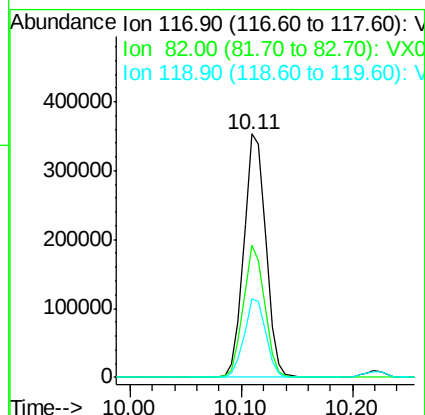
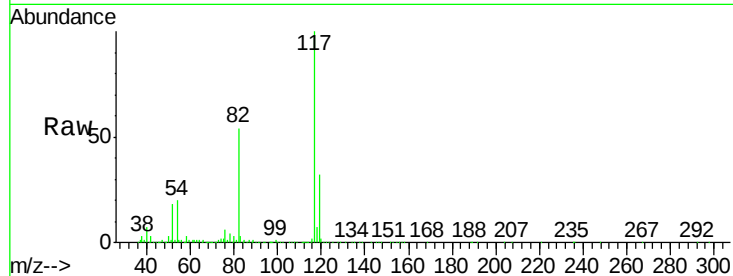
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	482632		
82	54.4	42.1	63.1	
119	32.2	26.5	39.7	

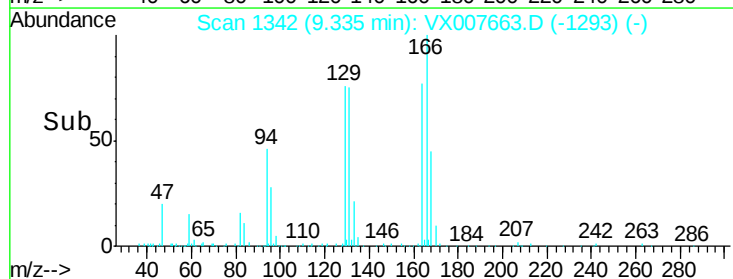
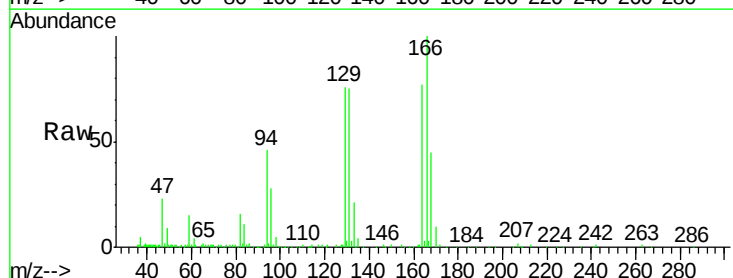
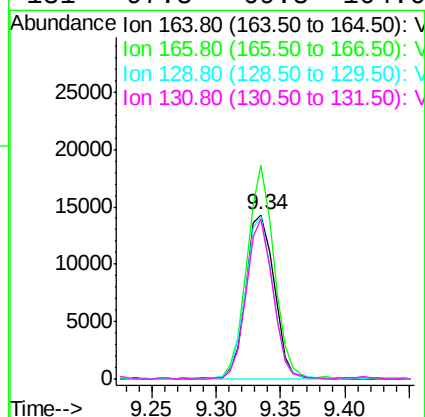
Manual Integrations
APPROVED

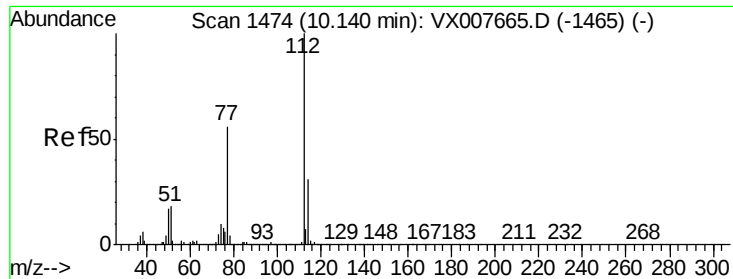
MMDadoda
2/26/2019 2:57:21 PM



#64
Tetrachloroethene
Concen: 4.815 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	21901		
166	130.1	101.0	151.4	
129	99.2	70.5	105.7	
131	97.8	69.8	104.6	





#65

Chlorobenzene

Concen: 5.107 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 53789

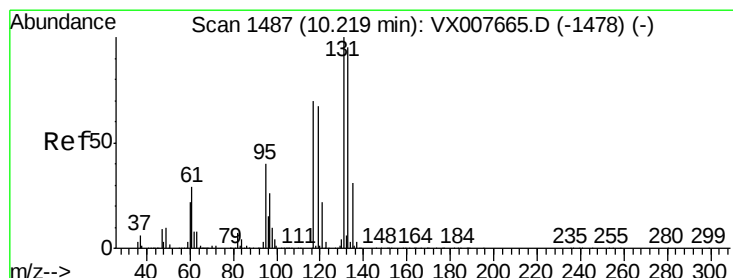
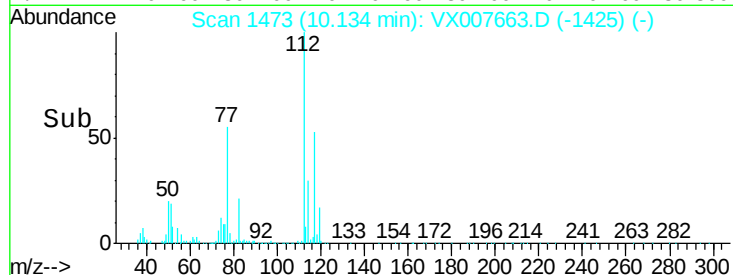
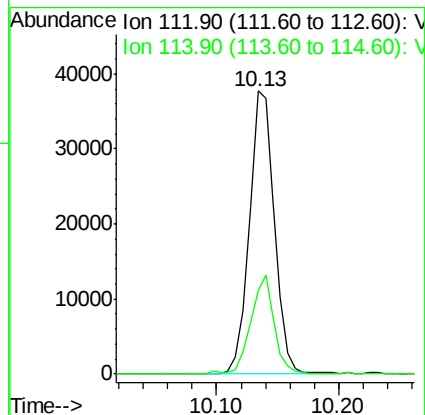
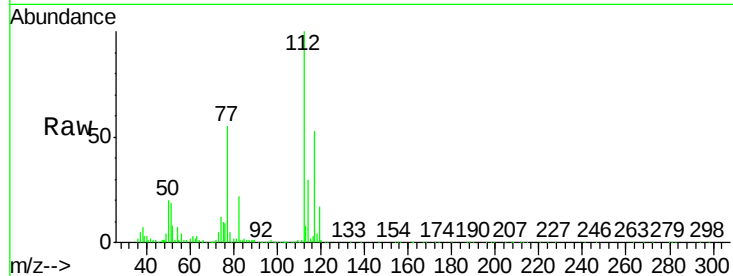
Ion Ratio Lower Upper

112 100

114 29.4 25.8 38.6

Manual Integrations
APPROVED

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#66

1,1,1,2-Tetrachloroethane

Concen: 5.062 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

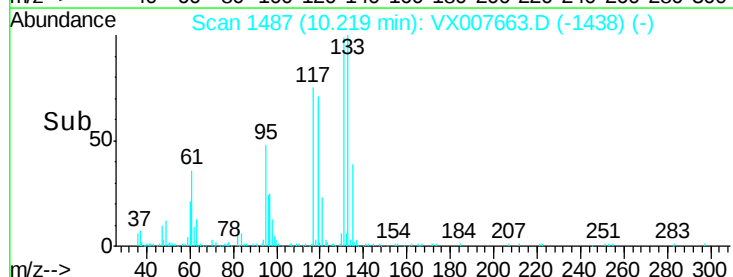
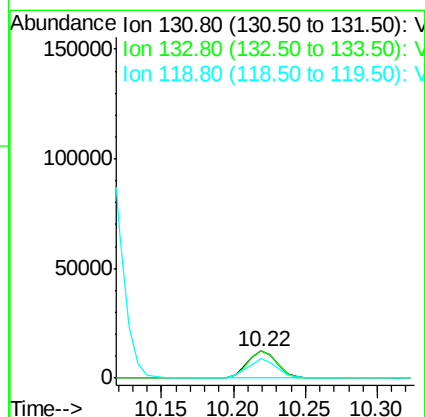
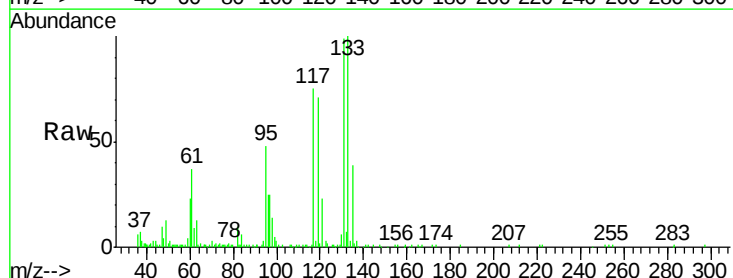
Tgt Ion:131 Resp: 17875

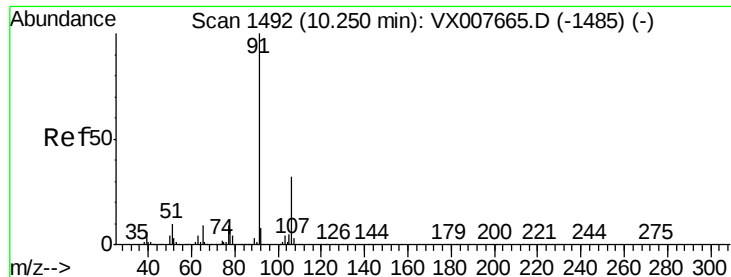
Ion Ratio Lower Upper

131 100

133 96.3 48.0 144.2

119 67.5 32.0 96.0





#67

Ethyl Benzene

Concen: 5.090 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 86330

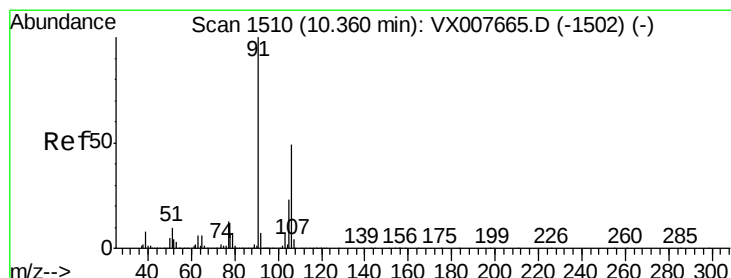
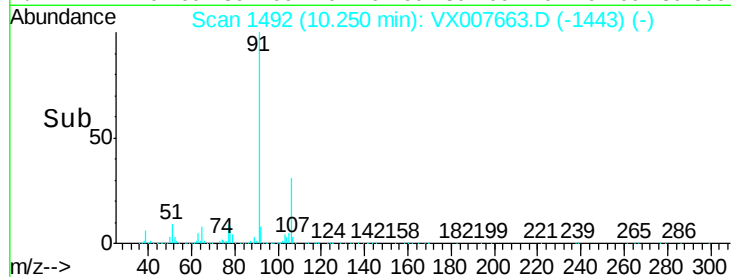
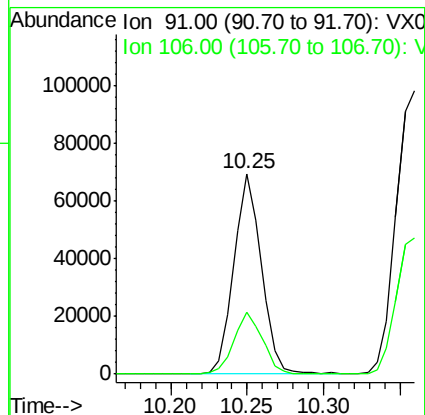
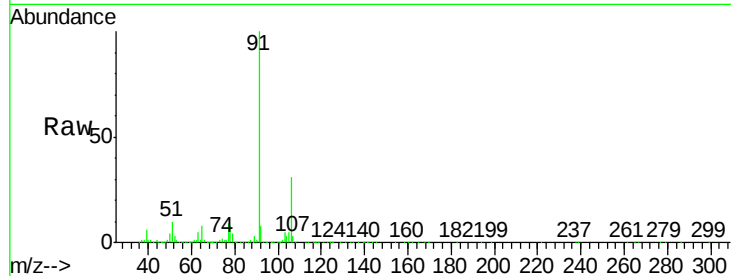
Ion Ratio Lower Upper

91 100

106 30.9 25.4 38.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 9.831 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007663.D

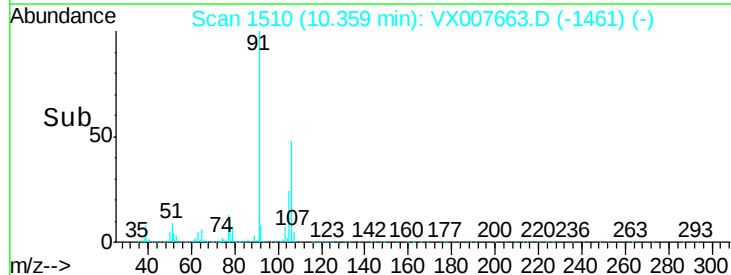
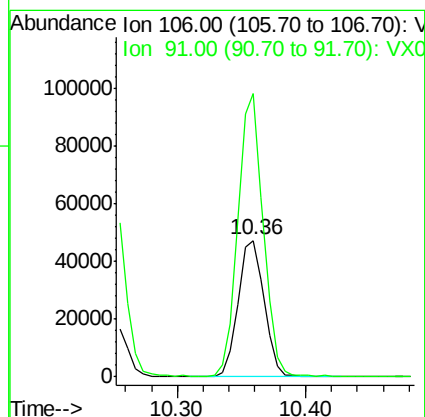
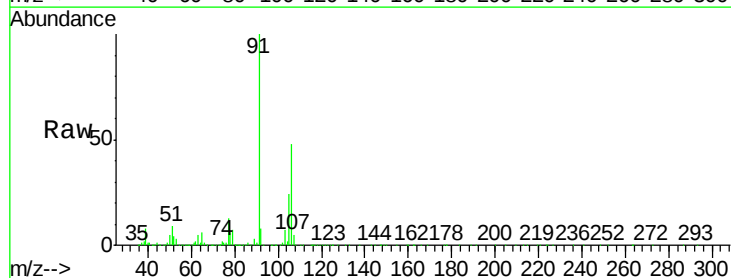
Acq: 25 Feb 2019 10:15

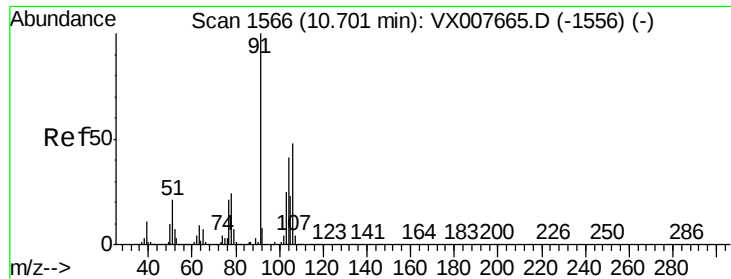
Tgt Ion: 106 Resp: 66279

Ion Ratio Lower Upper

106 100

91 201.0 156.6 234.8





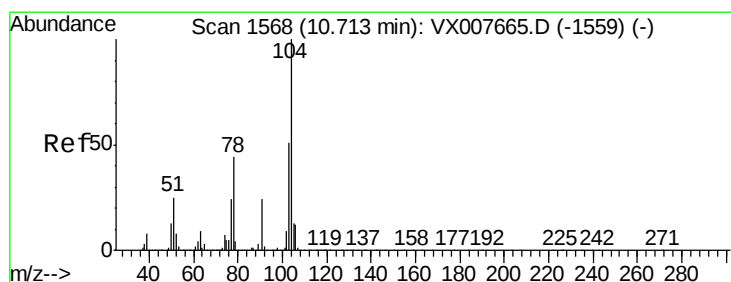
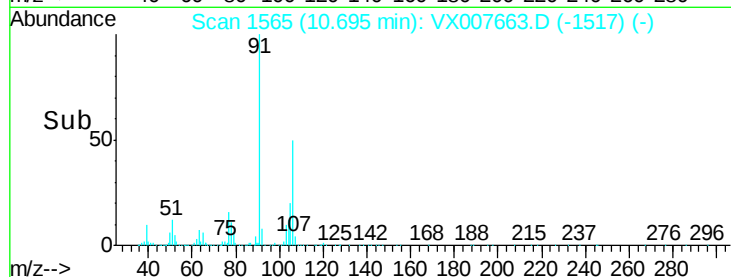
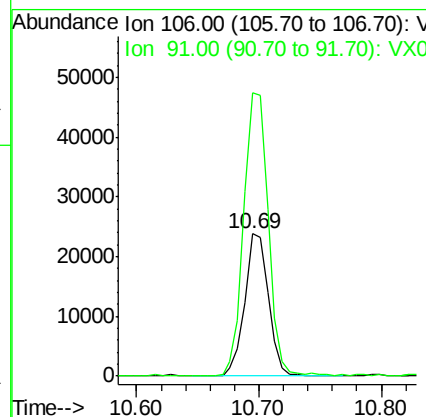
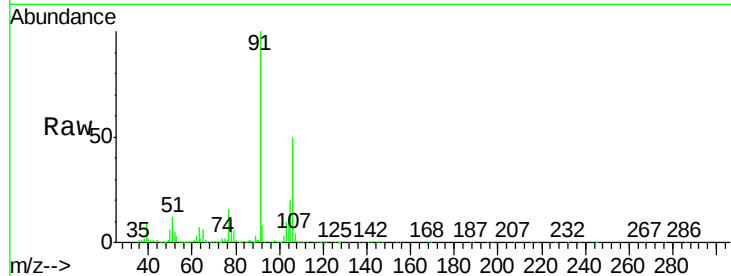
#69
o-Xylene
Concen: 5.002 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	203.8	102.9	308.7	

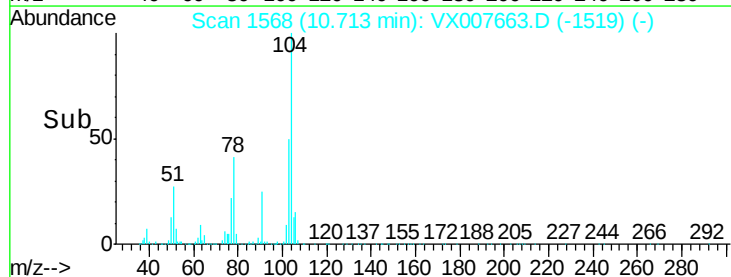
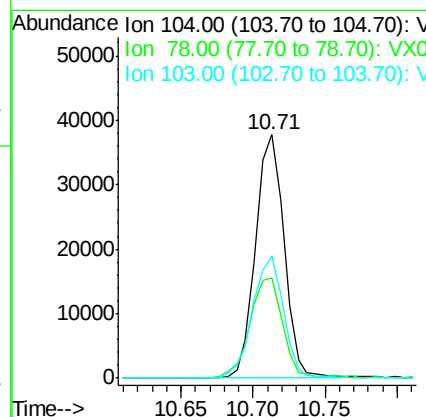
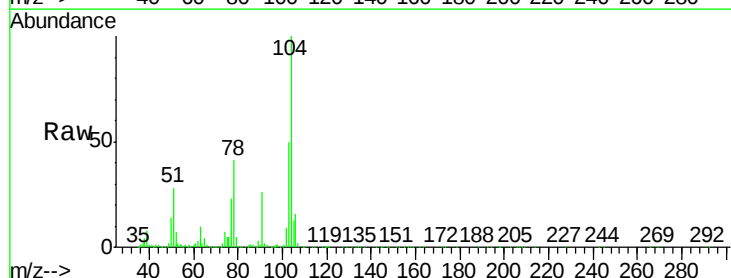
Manual Integrations
APPROVED

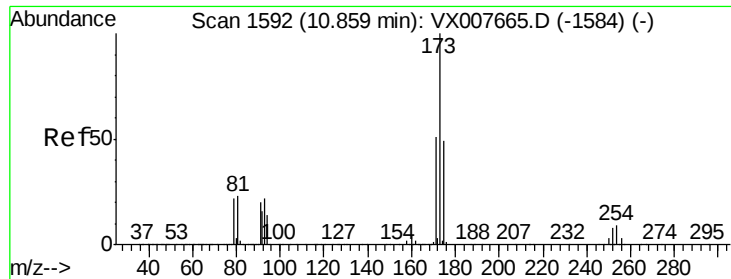
MMDadoda
2/26/2019 2:57:21 PM



#70
Styrene
Concen: 4.857 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.7	38.3	57.5	
103	55.5	44.6	67.0	





#71

Bromoform

Concen: 4.384 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Instrument :

MSVOA_X

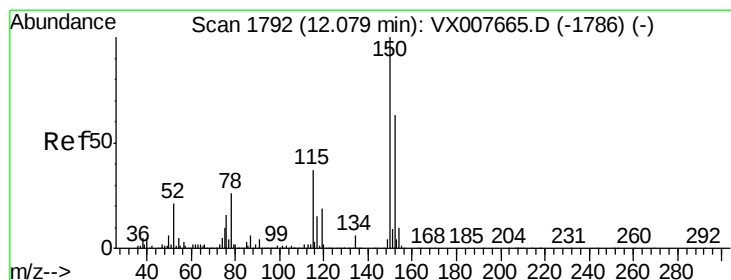
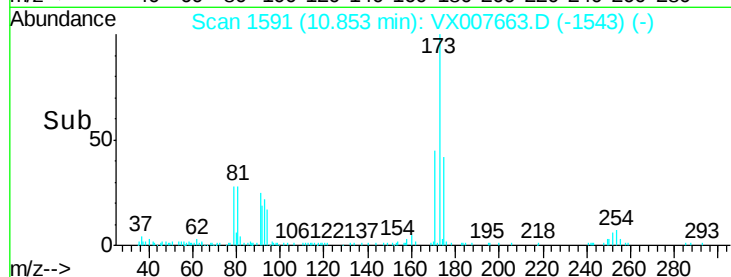
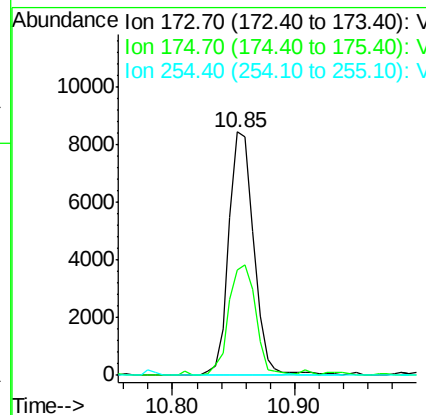
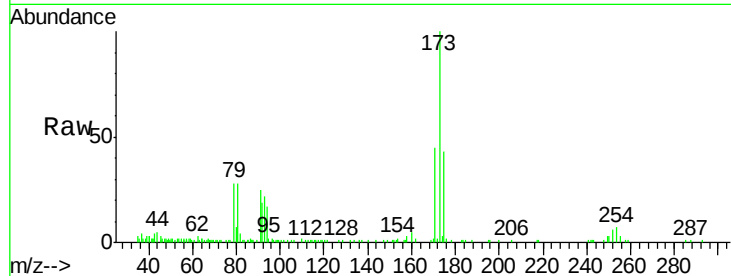
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.2	72.6
254	0.0	0.2	0.2

Manual Integrations
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2/26/2019 2:57:21 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

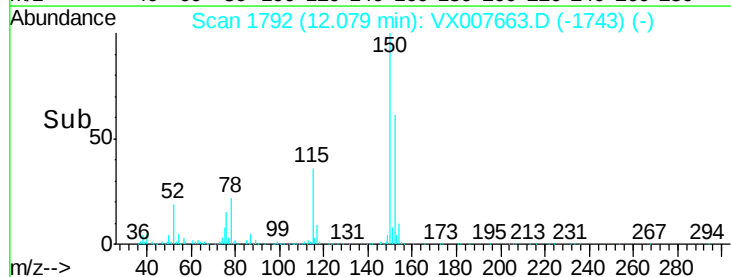
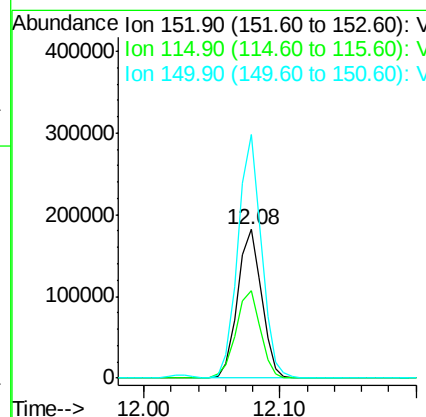
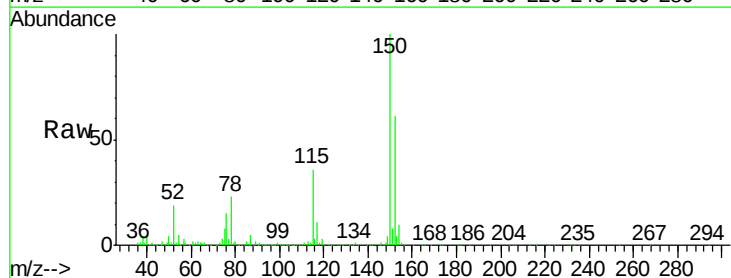
RT: 12.08 min Scan# 1792

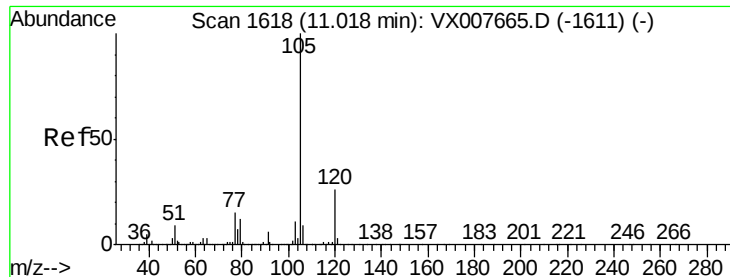
Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	38.0	114.0
150	160.0	0.0	346.4





#73

Isopropylbenzene

Concen: 5.532 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 84173

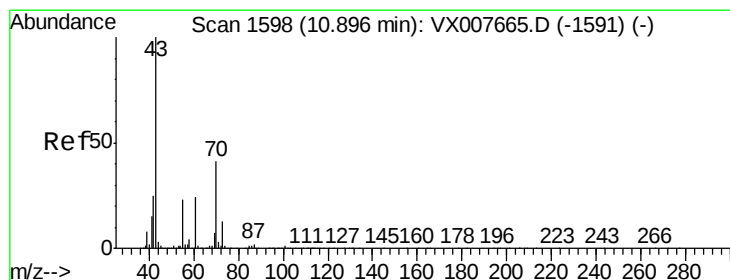
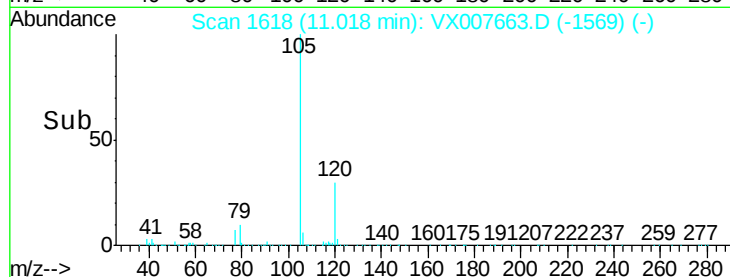
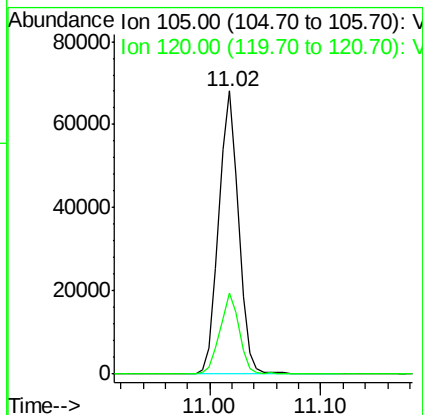
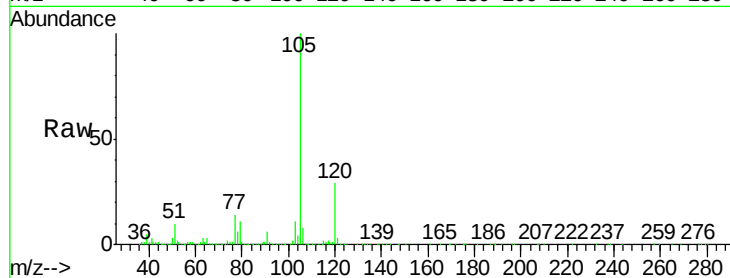
Ion Ratio Lower Upper

105 100

120 28.0 13.6 40.7

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2/26/2019 2:57:21 PM



#74

N-ethyl acetate

Concen: 5.428 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Tgt Ion: 43 Resp: 31947

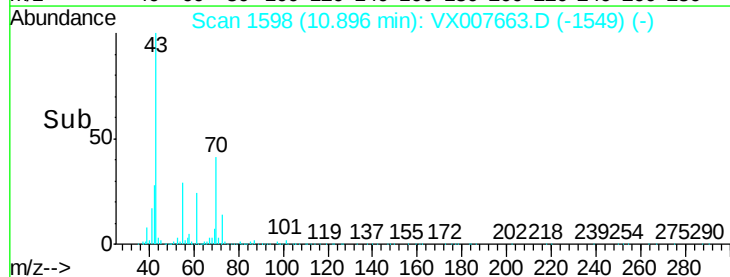
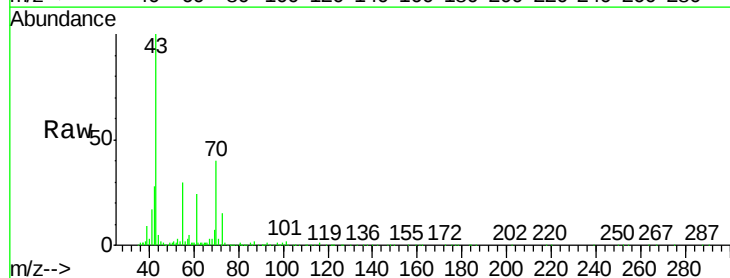
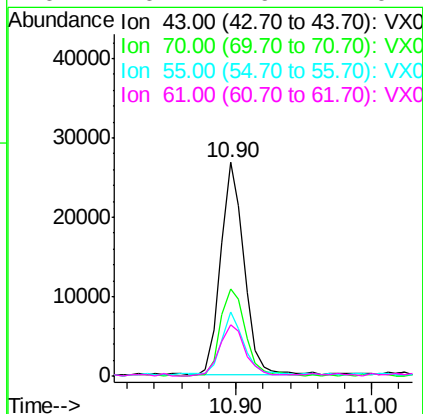
Ion Ratio Lower Upper

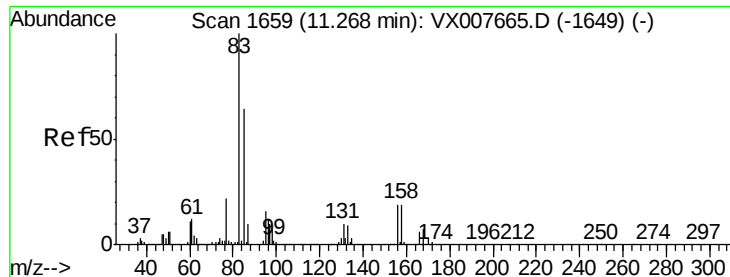
43 100

70 43.3 33.8 50.6

55 28.5 19.5 29.3

61 26.7 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 6.140 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Instrument :

MSVOA_X

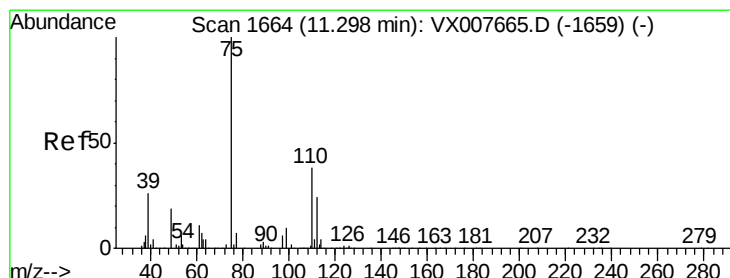
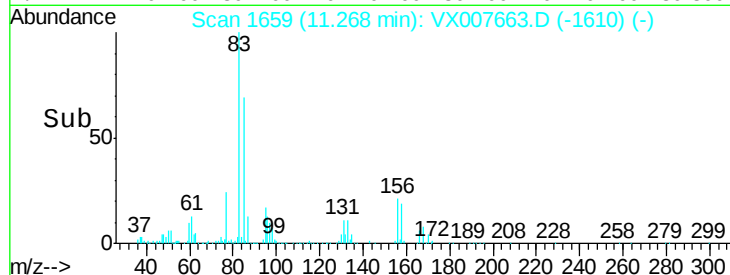
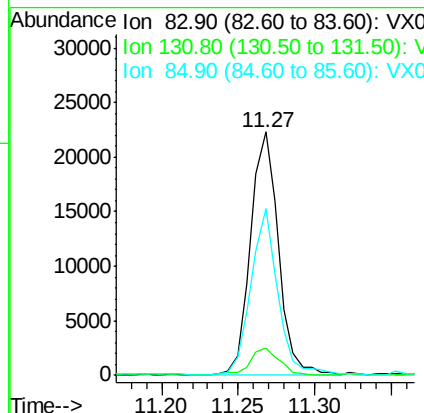
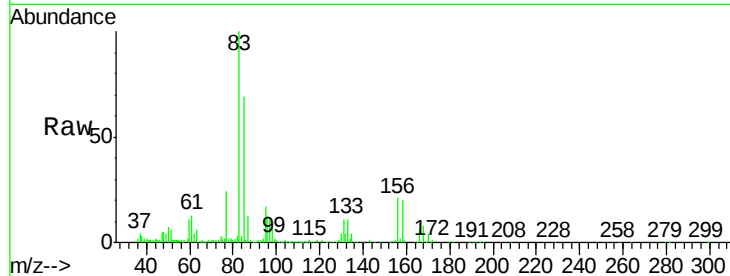
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	28473
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.7	17.0
85	66.3	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 6.131 ug/l m

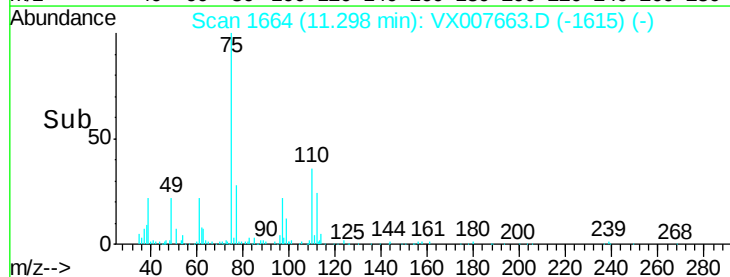
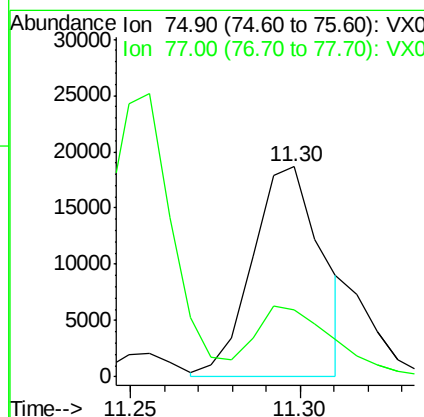
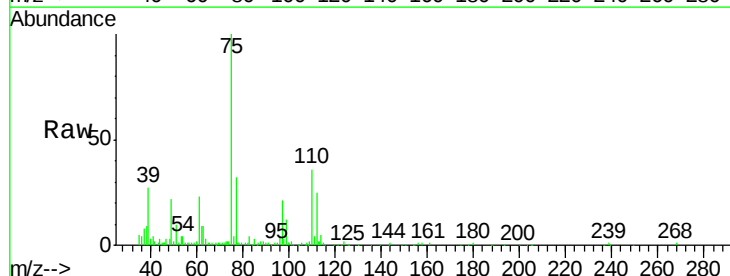
RT: 11.30 min Scan# 1664

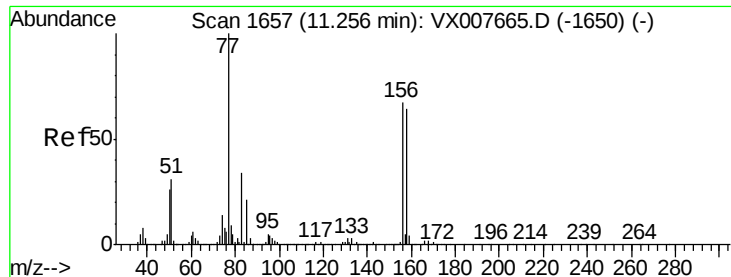
Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Tgt Ion:	75	Resp:	26700
Ion Ratio	Lower	Upper	
75	100		
77	35.5	23.0	69.0





#77

Bromobenzene

Concen: 5.090 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Instrument :

MSVOA_X

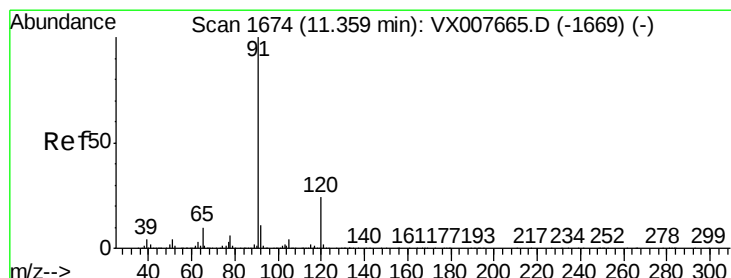
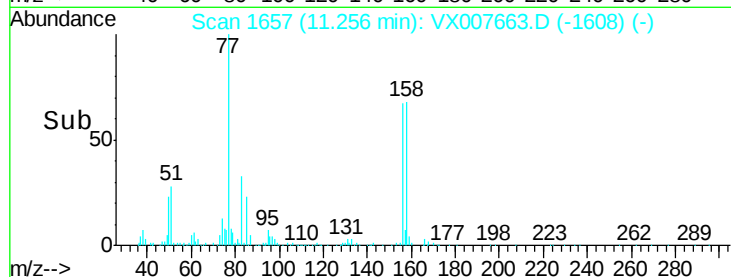
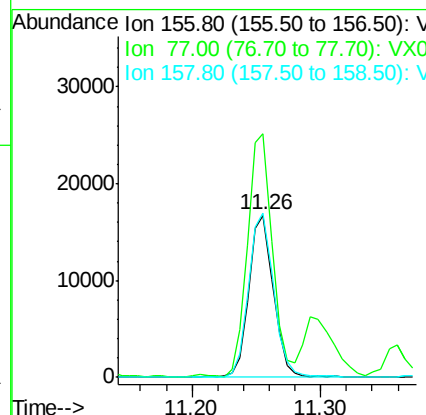
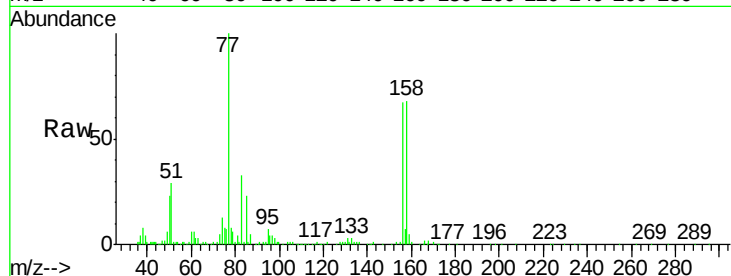
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	151.5	66.8	200.6
158	104.4	47.9	143.8

Manual Integrations
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#78

n-propylbenzene

Concen: 5.679 ug/l

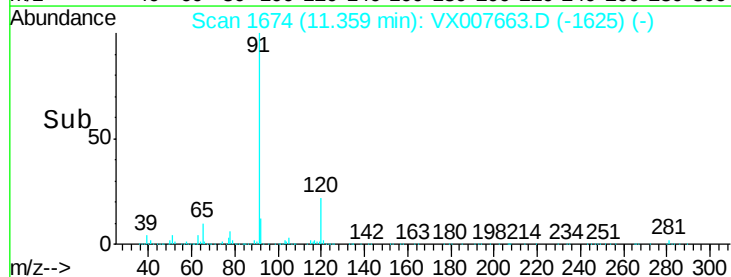
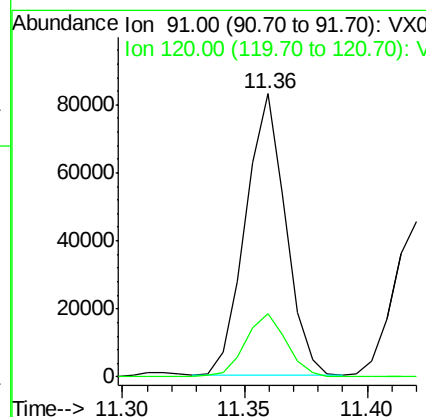
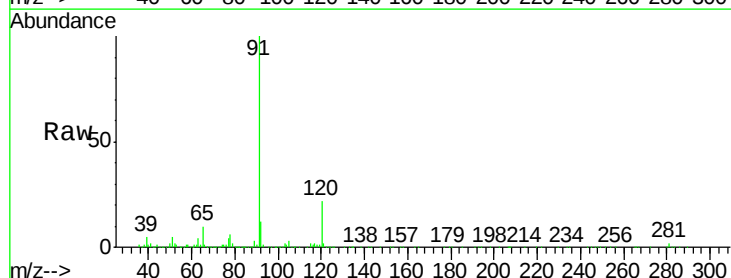
RT: 11.36 min Scan# 1674

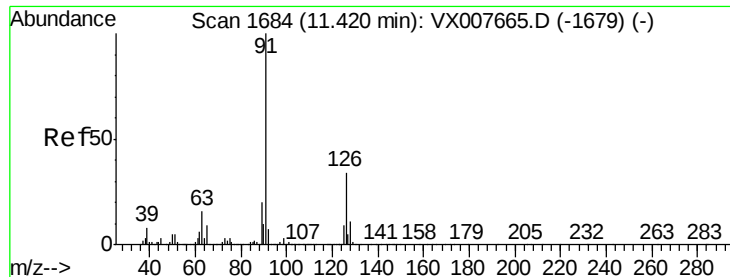
Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	12.4	37.2





#79

2-Chlorotoluene

Concen: 5.473 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 55413

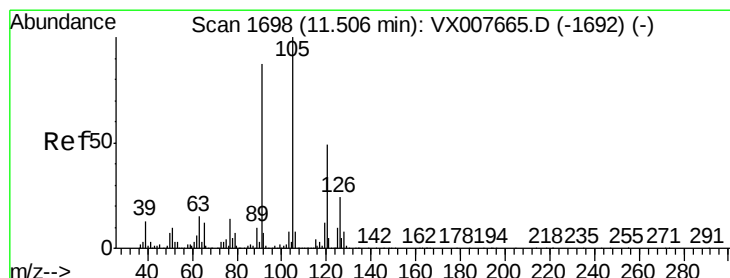
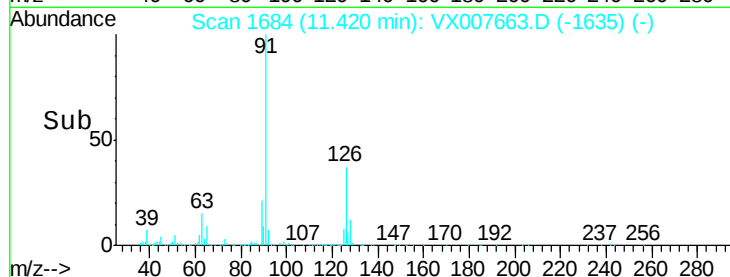
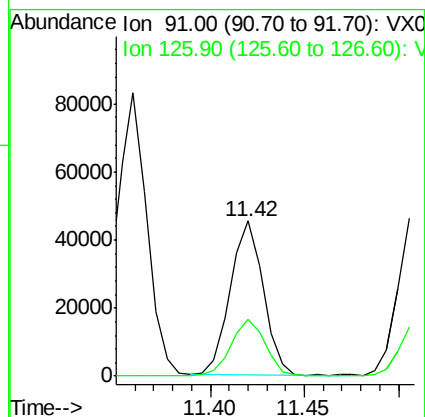
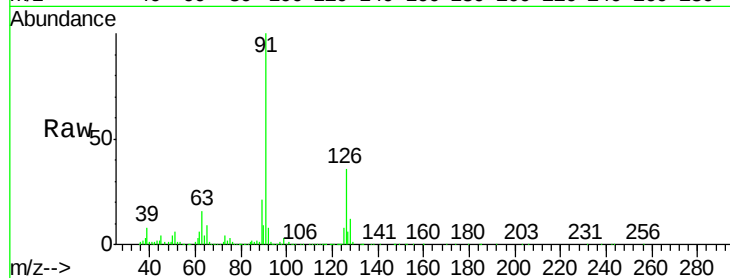
Ion Ratio Lower Upper

91 100

126 38.2 18.7 56.1

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 5.496 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007663.D

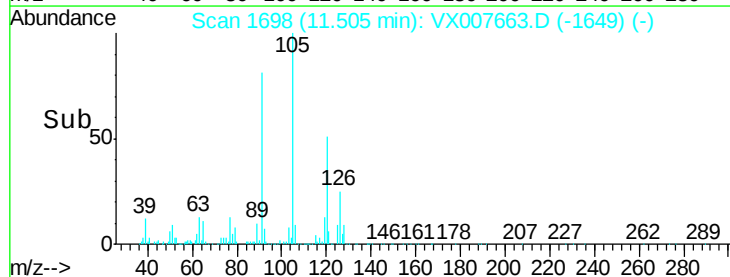
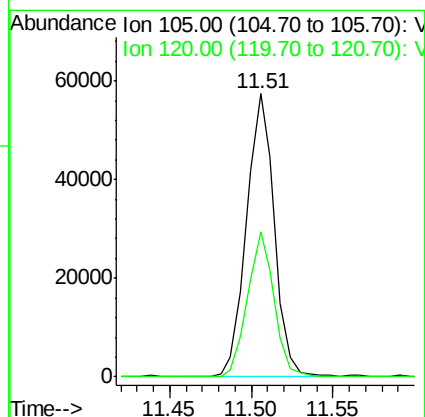
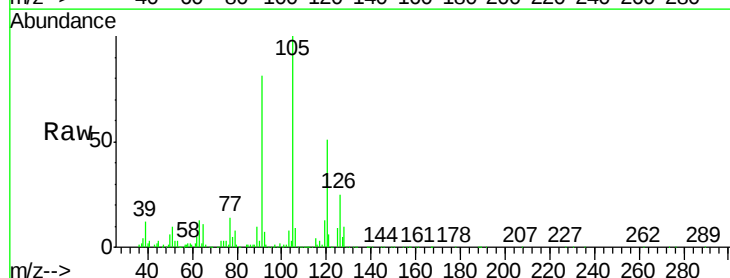
Acq: 25 Feb 2019 10:15

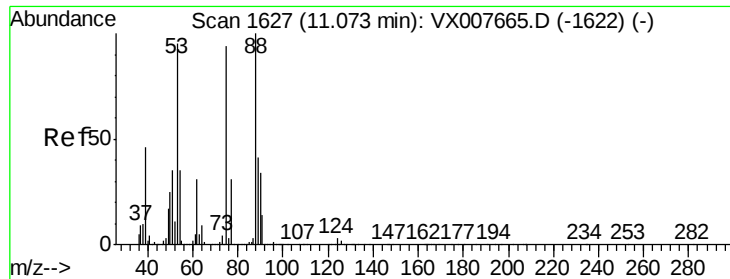
Tgt Ion: 105 Resp: 68421

Ion Ratio Lower Upper

105 100

120 48.8 25.3 75.8





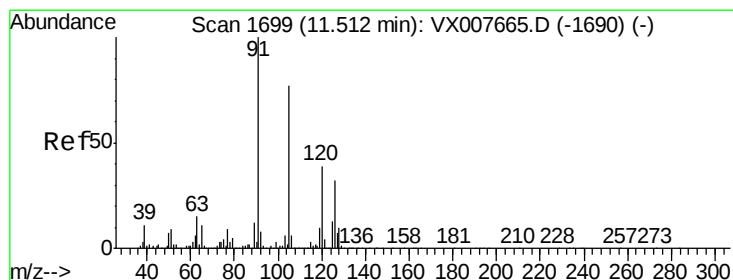
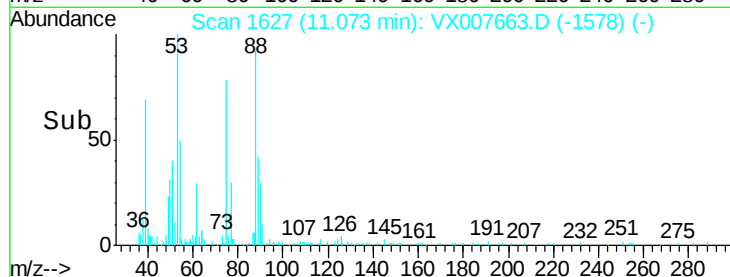
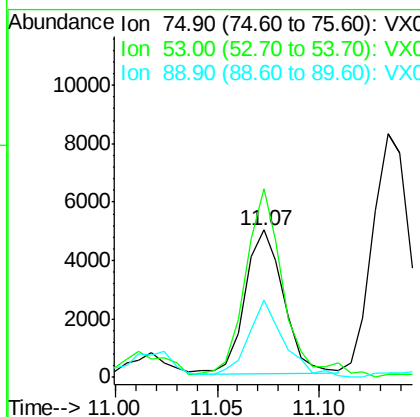
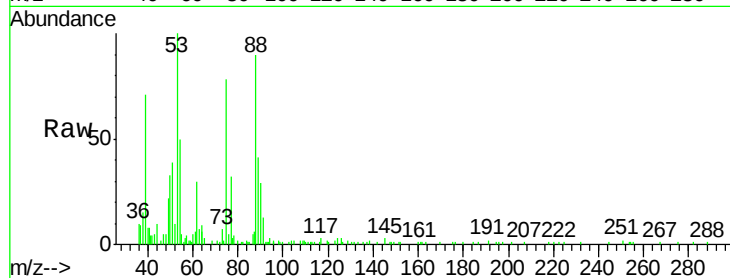
#81
trans-1,4-Dichloro-2-butene
Concen: 5.117 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	131.8	81.0	121.6#
89	50.7	41.4	62.0

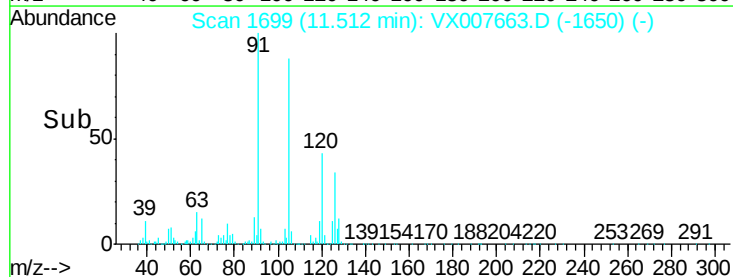
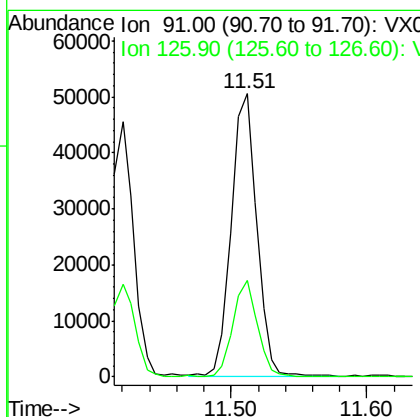
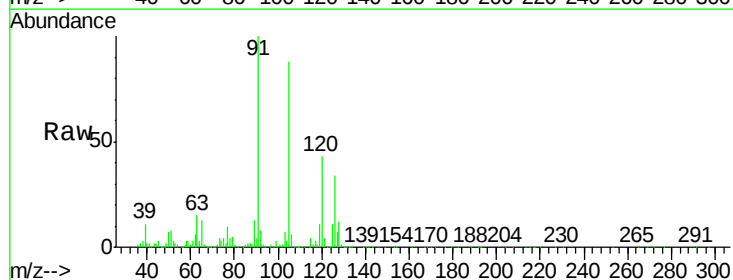
Manual Integrations
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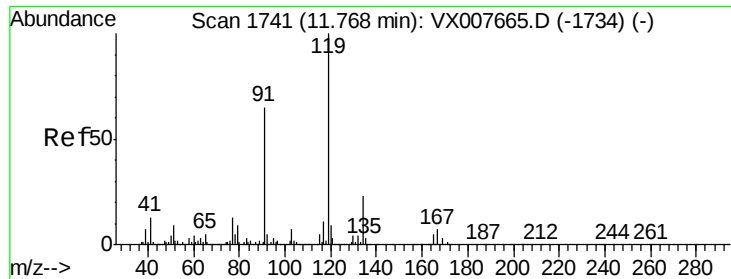
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#82
4-Chlorotoluene
Concen: 5.615 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.2	48.5





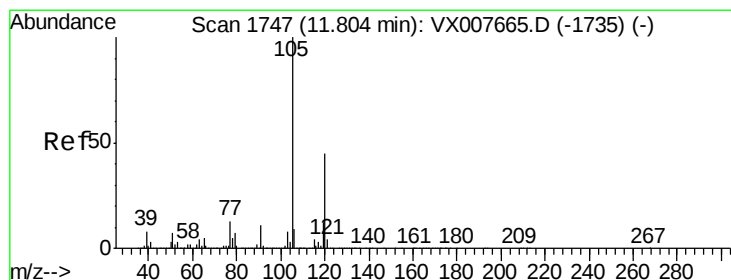
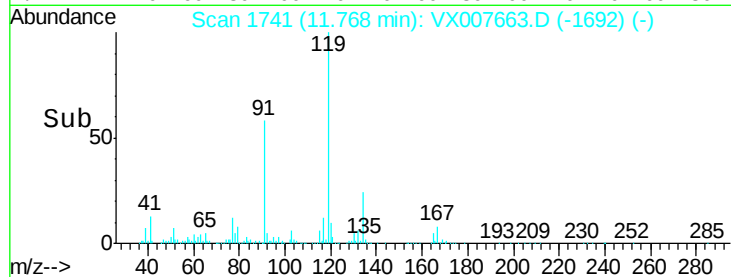
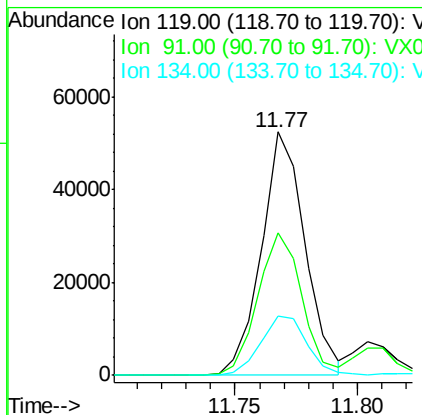
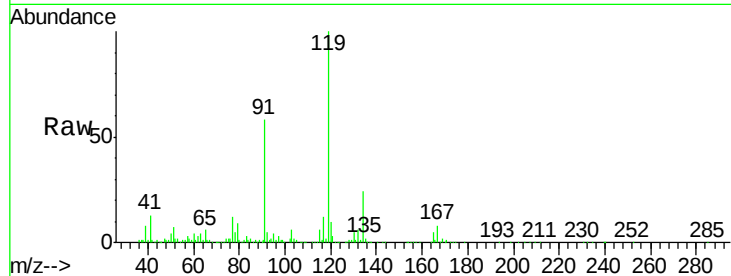
#83
 tert-Butylbenzene
 Concen: 5.289 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX007663.D
 Acq: 25 Feb 2019 10:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.2	28.5	85.6
134	26.0	12.0	36.0

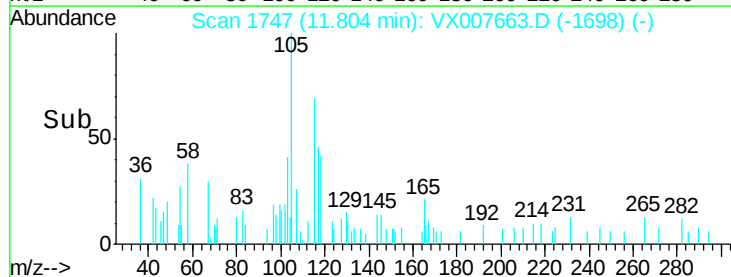
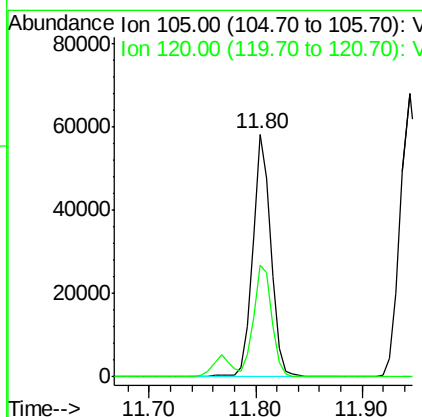
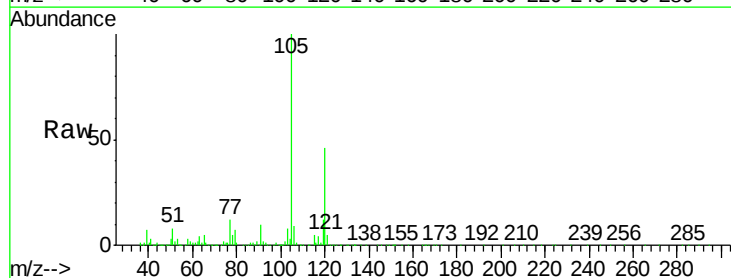
Manual Integrations
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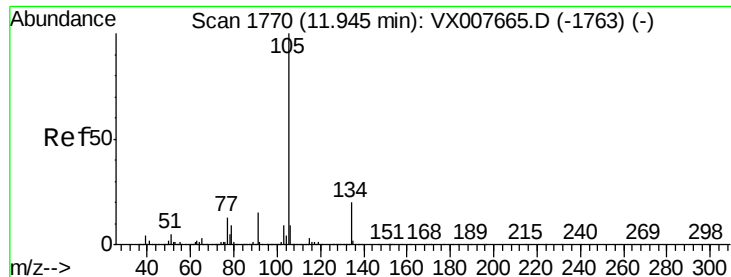
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.507 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX007663.D
 Acq: 25 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.1	69.3





#85

sec-Butylbenzene

Concen: 5.661 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 84448

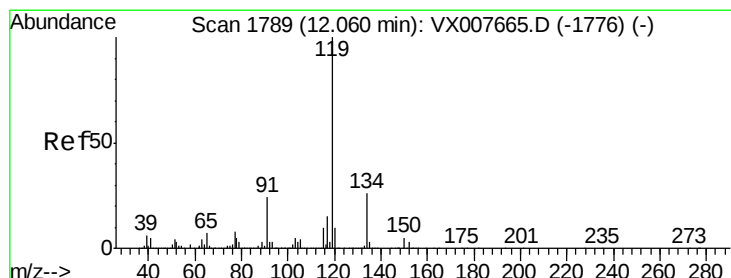
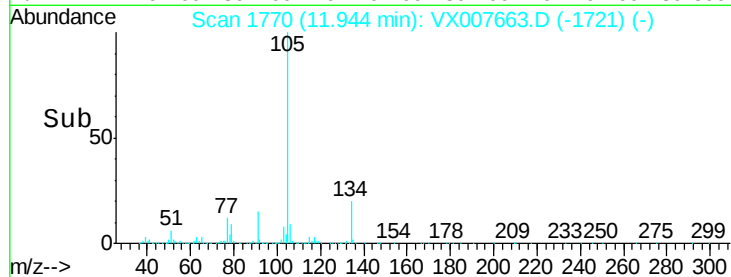
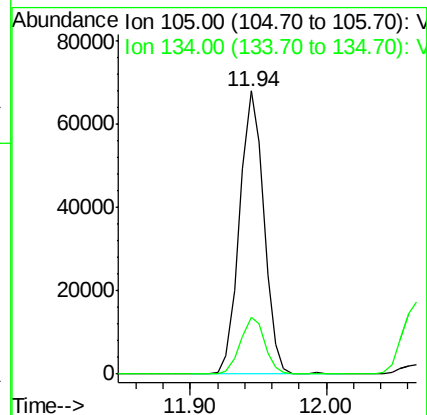
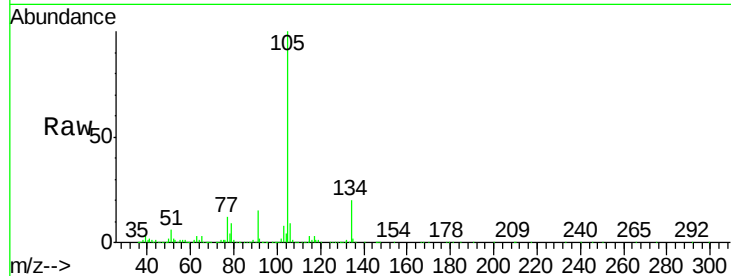
Ion Ratio Lower Upper

105 100

134 20.3 10.6 31.8

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 5.407 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

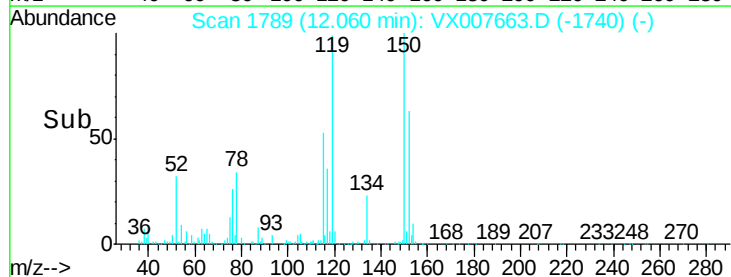
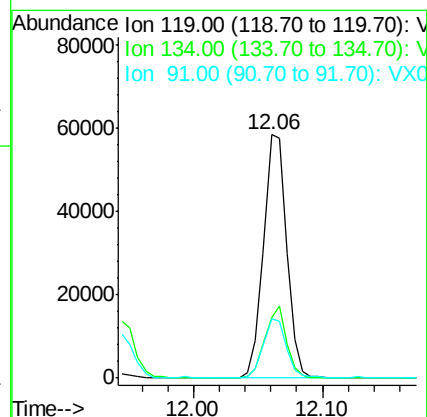
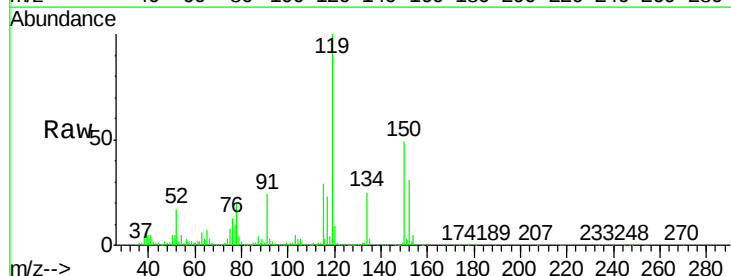
Tgt Ion:119 Resp: 72807

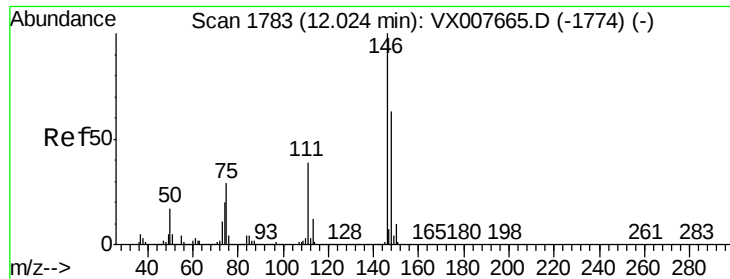
Ion Ratio Lower Upper

119 100

134 27.9 13.7 41.1

91 24.4 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 5.210 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX007663.D

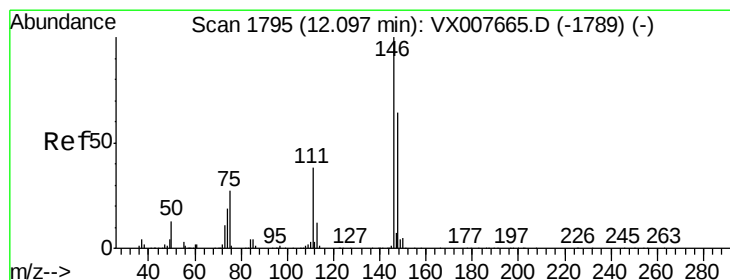
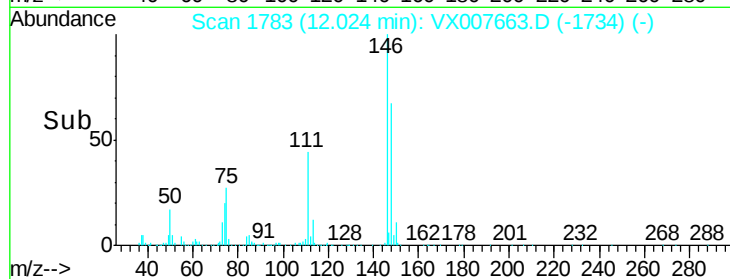
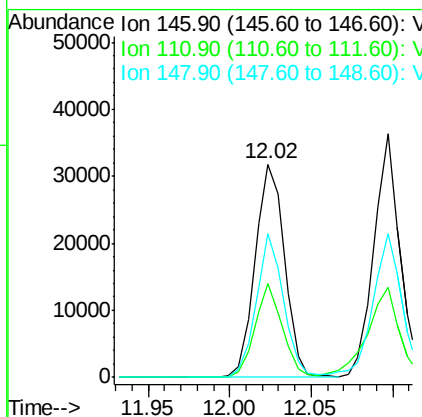
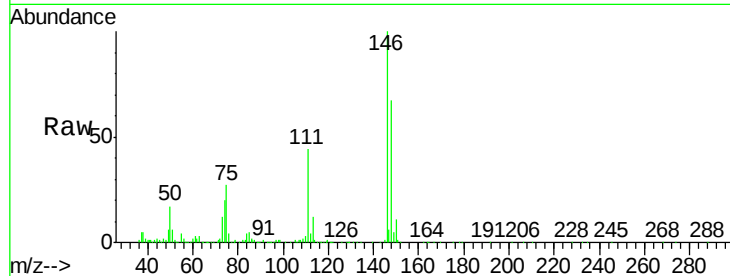
Acq: 25 Feb 2019 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	18.1	54.1
148	62.5	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 5.196 ug/l

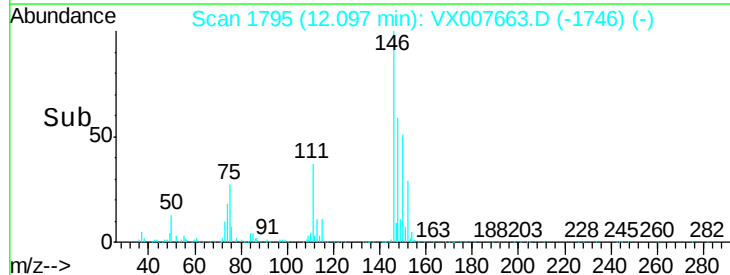
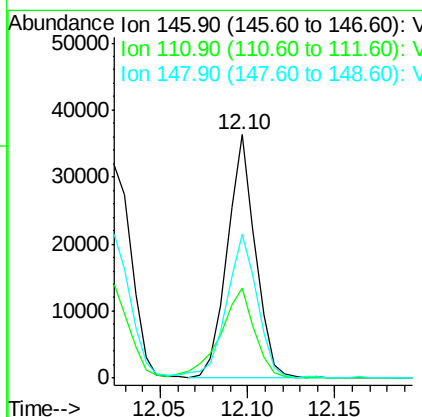
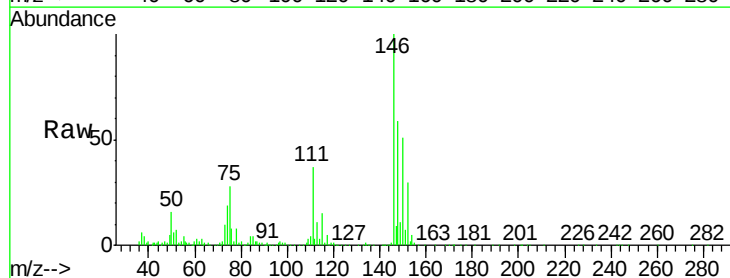
RT: 12.10 min Scan# 1795

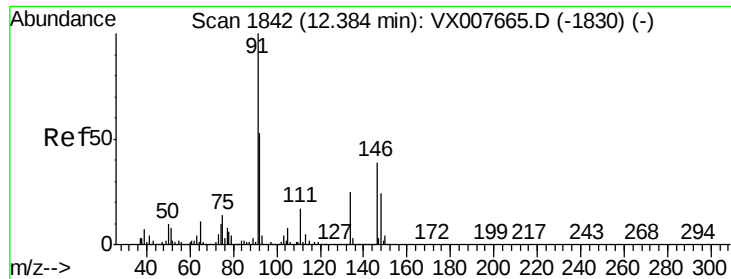
Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.2	18.1	54.1
148	65.4	32.3	96.9





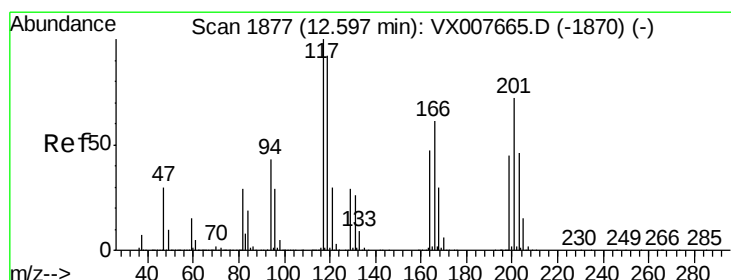
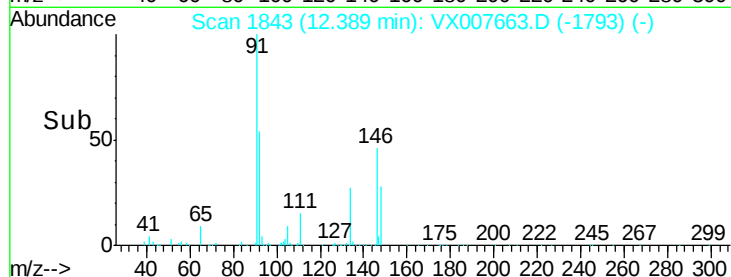
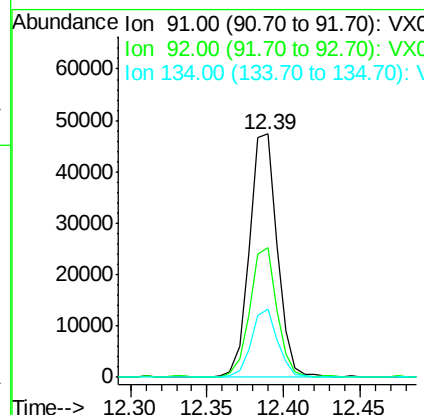
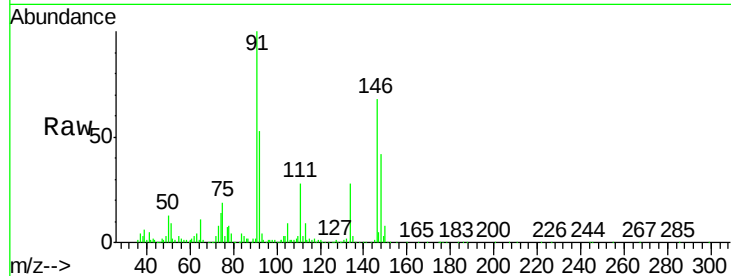
#89
n-Butylbenzene
Concen: 5.187 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.9
134	26.7	13.9	41.6

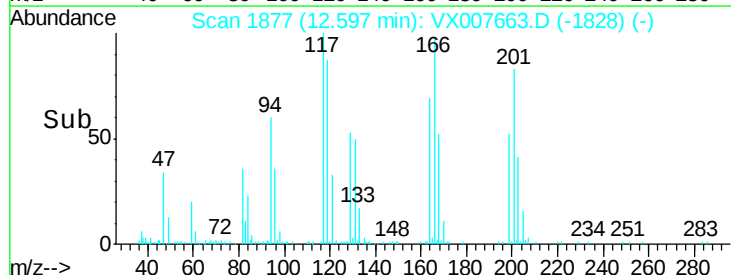
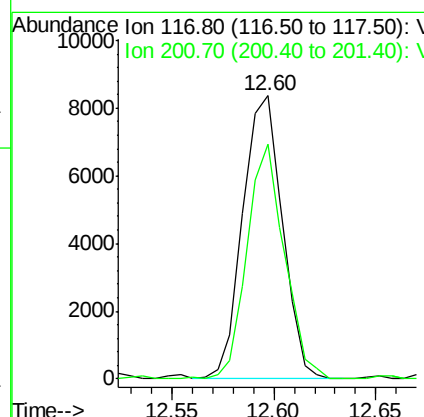
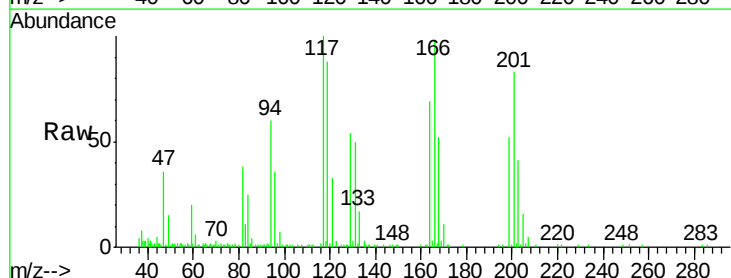
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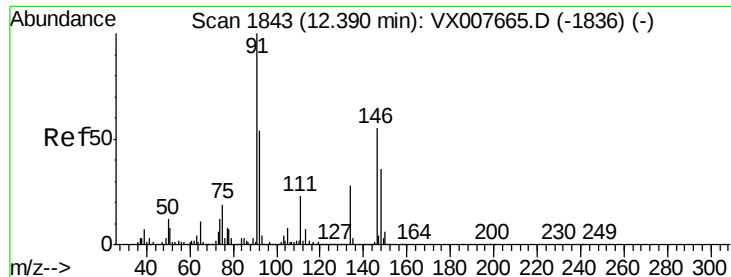
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#90
Hexachloroethane
Concen: 5.618 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX007663.D
Acq: 25 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.0	44.9	134.7





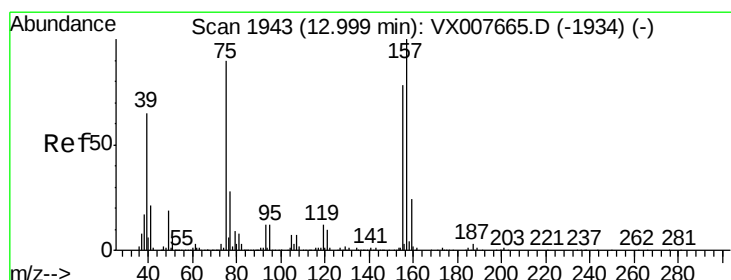
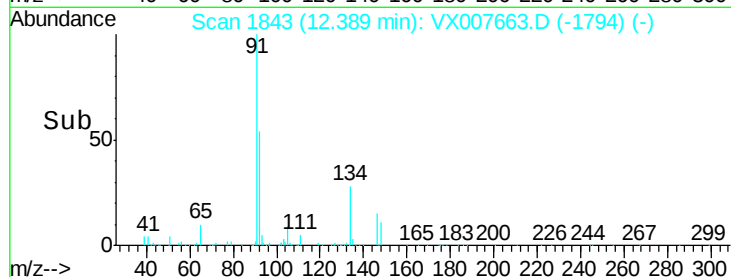
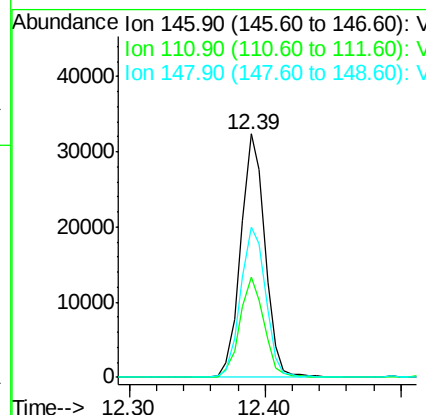
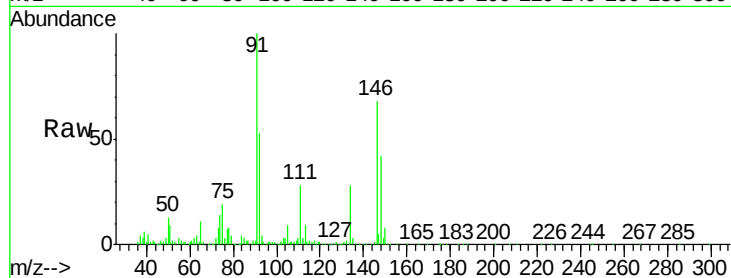
#91
 1,2-Dichlorobenzene
 Concen: 5.238 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX007663.D
 Acq: 25 Feb 2019 10:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.1	57.3
148	64.2	32.1	96.3

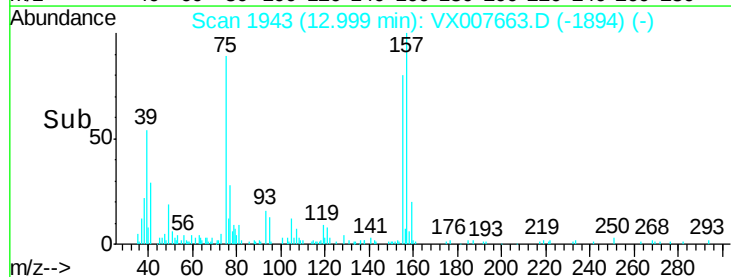
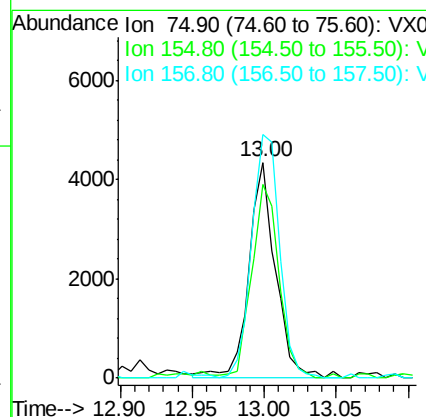
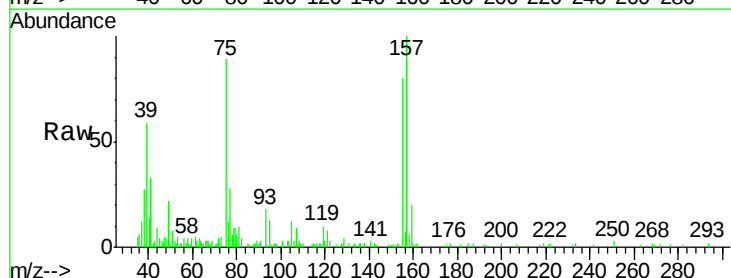
Manual Integrations
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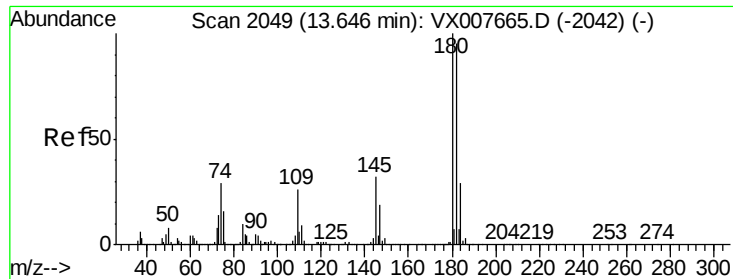
MMDadoda
 2/26/2019 2:57:21 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.772 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX007663.D
 Acq: 25 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.1	49.6	149.0
157	118.2	65.1	195.3





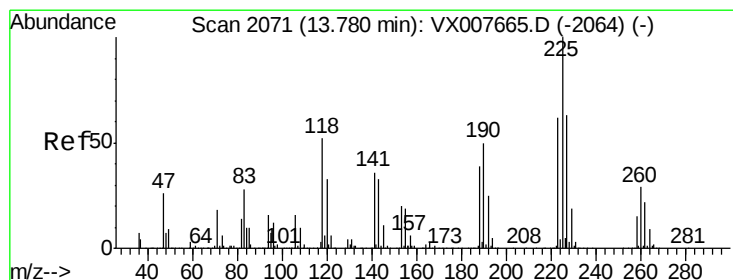
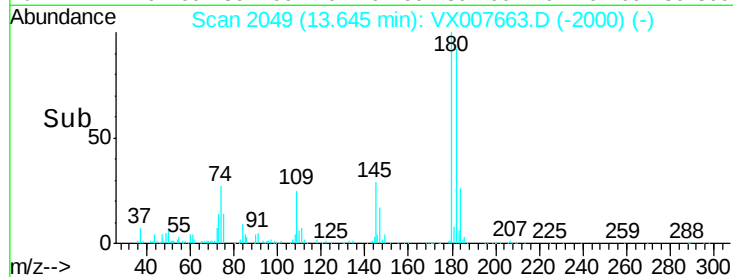
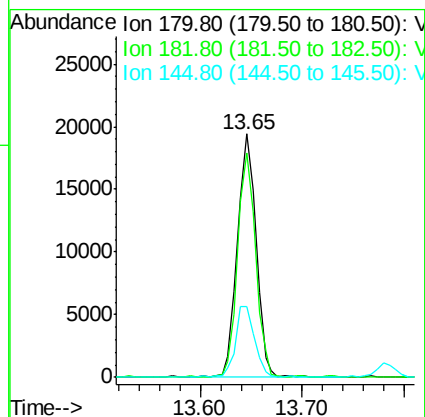
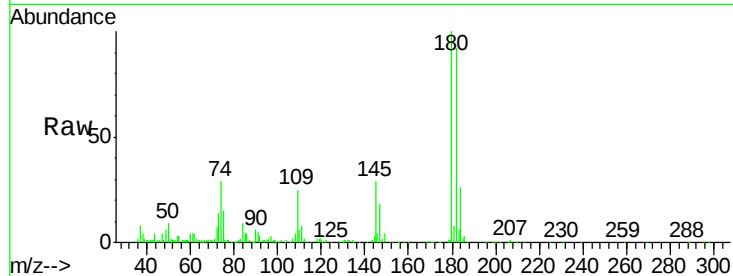
#93
 1,2,4-Trichlorobenzene
 Concen: 4.765 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007663.D
 Acq: 25 Feb 2019 10:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.1	47.8	143.3
145	29.6	14.1	42.2

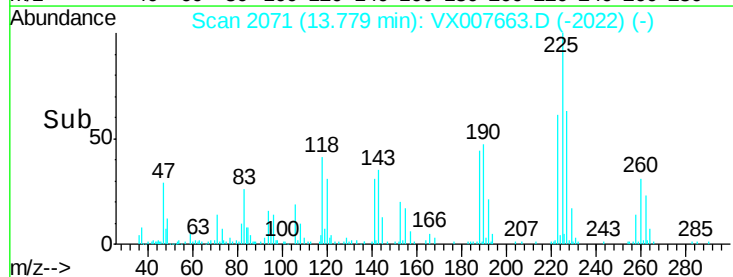
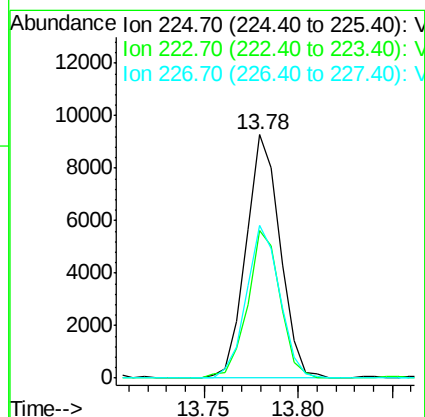
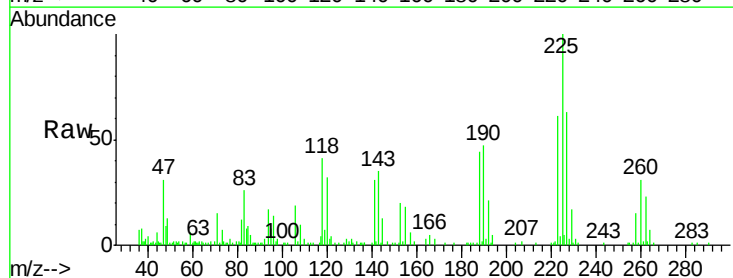
Manual Integrations
 APPROVED

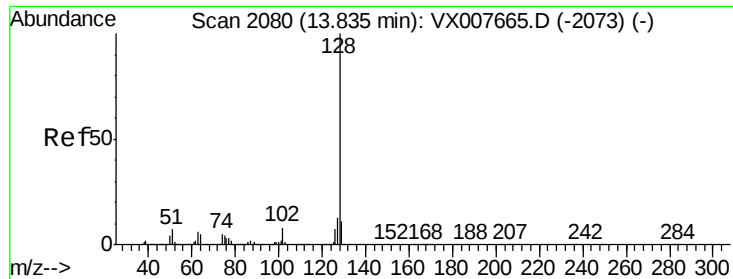
MMDadoda
 2/26/2019 2:57:21 PM



#94
 Hexachlorobutadiene
 Concen: 4.621 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007663.D
 Acq: 25 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.0	31.6	94.8
227	61.8	32.1	96.3





#95

Naphthalene

Concen: 4.798 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Instrument :

MSVOA_X

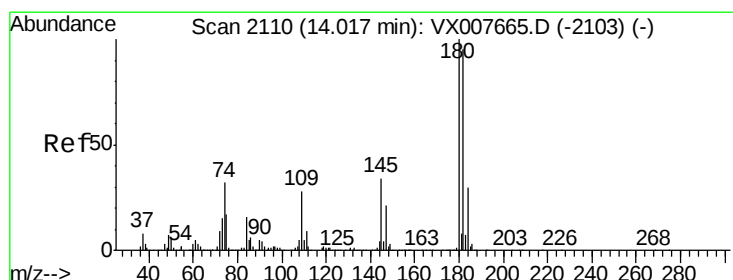
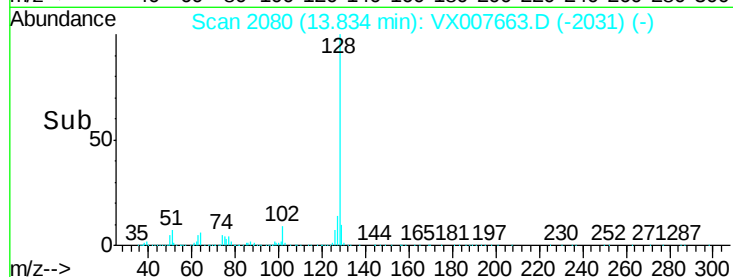
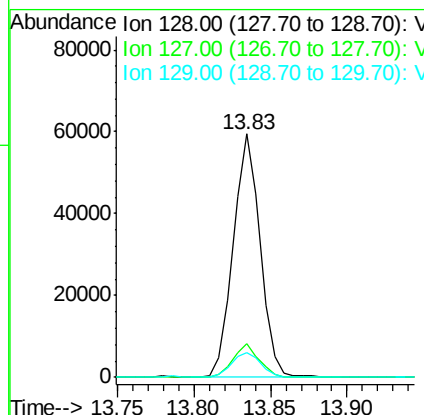
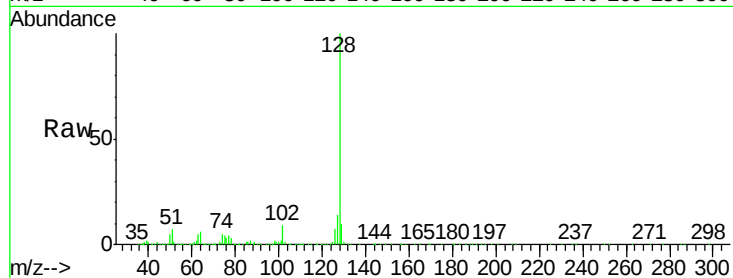
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	72455
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.5	15.7
129	11.5	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/26/2019 2:57:21 PM



#96

1,2,3-Trichlorobenzene

Concen: 4.525 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007663.D

Acq: 25 Feb 2019 10:15

Tgt Ion:	180	Resp:	23522
Ion Ratio	Lower	Upper	
180	100		
182	96.7	47.5	142.6
145	34.7	14.9	44.5

