

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020119\
 Data File : VX007325.D
 Acq On : 01 Feb 2019 09:36
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 9:37:18 AM

Quant Time: Feb 02 00:32:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 00:12:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	628581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	921986	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	836342	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	431135	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	9965	1.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.98%	
35) Dibromofluoromethane	5.49	113	8136	1.36	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	2.72%	
50) Toluene-d8	8.71	98	25378	1.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.28%	
62) 4-Bromofluorobenzene	11.13	95	8996	1.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.22%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	5615	0.801	ug/l	94
3) Chloromethane	1.33	50	7660	1.082	ug/l	95
4) Vinyl Chloride	1.42	62	8551	1.231	ug/l	92
5) Bromomethane	1.64	94	9060	1.146	ug/l	91
6) Chloroethane	1.73	64	5731	1.275	ug/l	97
7) Trichlorofluoromethane	1.93	101	13485	1.241	ug/l	84
8) Diethyl Ether	2.19	74	5881	1.438	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	8621	1.334	ug/l	97
10) Methyl Iodide	2.51	142	10571	1.112	ug/l	94
11) Tert butyl alcohol	3.05	59	10930	7.916	ug/l #	84
12) 1,1-Dichloroethene	2.39	96	8006	1.334	ug/l #	76
13) Acrolein	2.30	56	2911	4.496	ug/l	92
14) Allyl chloride	2.73	41	11694	1.196	ug/l	92
15) Acrylonitrile	3.14	53	21166	6.197	ug/l	98
16) Acetone	2.45	43	20108	6.579	ug/l	95
17) Carbon Disulfide	2.57	76	16945	1.070	ug/l	99
18) Methyl Acetate	2.78	43	13047	1.509	ug/l	91
19) Methyl tert-butyl Ether	3.20	73	24753	1.273	ug/l	94
20) Methylene Chloride	2.86	84	10558	1.528	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	8635	1.351	ug/l	89
22) Diisopropyl ether	3.87	45	23647	1.315	ug/l	96
23) Vinyl Acetate	3.82	43	95009	6.365	ug/l	98
24) 1,1-Dichloroethane	3.70	63	14499	1.404	ug/l	96
25) 2-Butanone	4.70	43	25432	5.847	ug/l	94
26) 2,2-Dichloropropane	4.59	77	10734	1.364	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	9116	1.305	ug/l	98
28) Bromochloromethane	5.02	49	5289	1.113	ug/l	97
29) Tetrahydrofuran	5.15	42	17006	6.217	ug/l	94
30) Chloroform	5.21	83	14349	1.331	ug/l	88
31) Cyclohexane	5.57	56	12131	1.308	ug/l #	84
32) 1,1,1-Trichloroethane	5.50	97	11631	1.278	ug/l #	45
36) 1,1-Dichloropropene	5.81	75	10281	1.243	ug/l #	86
37) Ethyl Acetate	4.84	43	9807	1.173	ug/l #	89
38) Carbon Tetrachloride	5.78	117	9753	1.215	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	13180	1.317	ug/l	95
40) Benzene	6.14	78	31504	1.293	ug/l #	86
41) Methacrylonitrile	5.05	41	5957	1.303	ug/l #	85
42) 1,2-Dichloroethane	6.20	62	10793	1.280	ug/l	88
43) Isopropyl Acetate	6.45	43	15303	1.186	ug/l #	90
44) Trichloroethene	7.21	130	9988	1.361	ug/l	92
45) 1,2-Dichloropropane	7.51	63	7634	1.250	ug/l #	89
46) Dibromomethane	7.66	93	5913	1.333	ug/l	98
47) Bromodichloromethane	7.90	83	9381	1.247	ug/l	87
48) Methyl methacrylate	7.77	41	8012	1.241	ug/l	99
49) 1,4-Dioxane	7.75	88	4052	25.218	ug/l #	76
51) 4-Methyl-2-Pentanone	8.65	43	48815	5.745	ug/l	99
52) Toluene	8.78	92	19443	1.237	ug/l	92
53) t-1,3-Dichloropropene	9.04	75	7851	0.972	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	9541	1.074	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	8176	1.248	ug/l	93
56) Ethyl methacrylate	9.18	69	10400	1.146	ug/l	97
57) 1,3-Dichloropropane	9.37	76	14068	1.350	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	28906	6.042	ug/l	99
59) 2-Hexanone	9.49	43	37141	5.617	ug/l	96
60) Dibromochloromethane	9.58	129	7028	1.134	ug/l	99
61) 1,2-Dibromoethane	9.68	107	8352	1.203	ug/l	97
64) Tetrachloroethene	9.34	164	11655	1.479	ug/l	92
65) Chlorobenzene	10.13	112	24071	1.319	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	7359	1.203	ug/l #	66
67) Ethyl Benzene	10.25	91	36351	1.237	ug/l	97
68) m/p-Xylenes	10.36	106	29724	2.544	ug/l	99
69) o-Xylene	10.69	106	13971	1.243	ug/l	98
70) Styrene	10.71	104	22020	1.208	ug/l	98
71) Bromoform	10.85	173	4733	1.000	ug/l #	96
73) Isopropylbenzene	11.02	105	36786	1.256	ug/l	99
74) N-amyl acetate	10.90	43	12161	1.073	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.27	83	11185	1.253	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	9891m	1.132	ug/l	
77) Bromobenzene	11.26	156	10710	1.297	ug/l	98
78) n-propylbenzene	11.36	91	39094	1.217	ug/l	98
79) 2-Chlorotoluene	11.42	91	24009	1.232	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	28669	1.196	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	2225	0.921	ug/l #	64
82) 4-Chlorotoluene	11.51	91	27891	1.236	ug/l	95
83) tert-Butylbenzene	11.77	119	29577	1.246	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	29080	1.195	ug/l	97
85) sec-Butylbenzene	11.94	105	34989	1.218	ug/l	99
86) p-Isopropyltoluene	12.06	119	30352	1.171	ug/l	93
87) 1,3-Dichlorobenzene	12.02	146	19463	1.314	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	20847m	1.388	ug/l	
89) n-Butylbenzene	12.38	91	26240	1.176	ug/l	98
90) Hexachloroethane	12.59	117	4623	1.191	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	20310	1.378	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	2198	1.184	ug/l	84

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ClientSampleId :
VSTDICC001

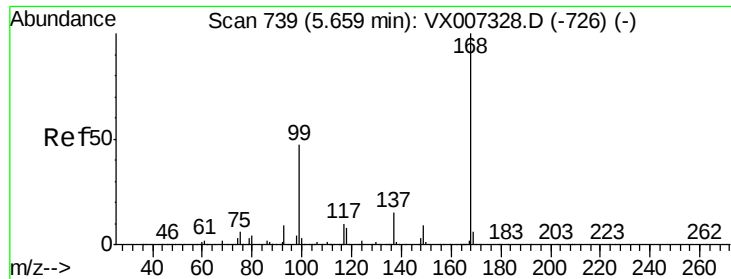
Manual Integrations
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QLast Update : Sat Feb 02 00:12:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	11698	1.177	ug/l	97
94) Hexachlorobutadiene	13.79	225	5544	1.148	ug/l	87
95) Naphthalene	13.83	128	29782	1.024	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	11910	1.190	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion:168 Resp: 628581

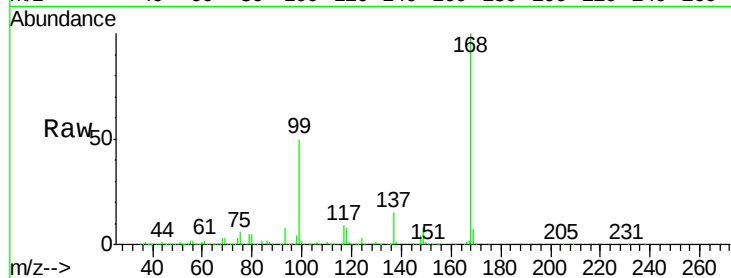
Ion Ratio Lower Upper

168 100

99 49.5 37.9 56.9

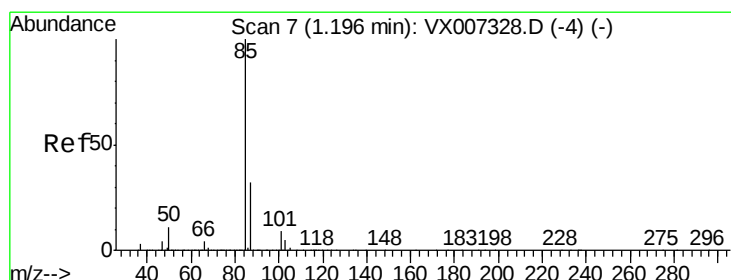
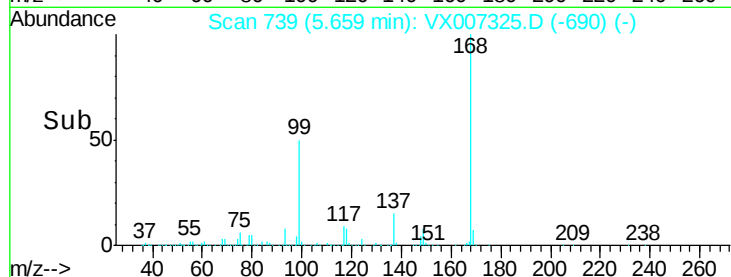
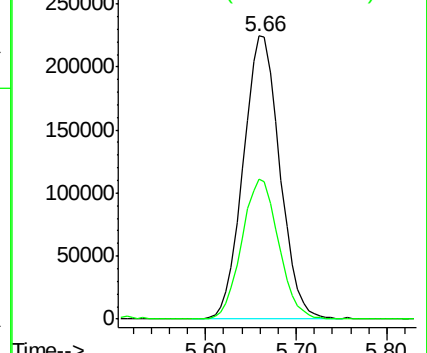
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.801 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007325.D

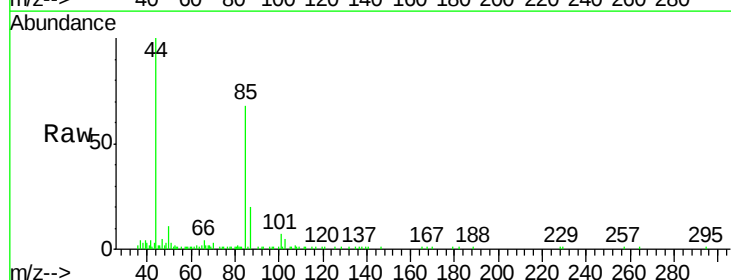
Acq: 01 Feb 2019 09:36

Tgt Ion: 85 Resp: 5615

Ion Ratio Lower Upper

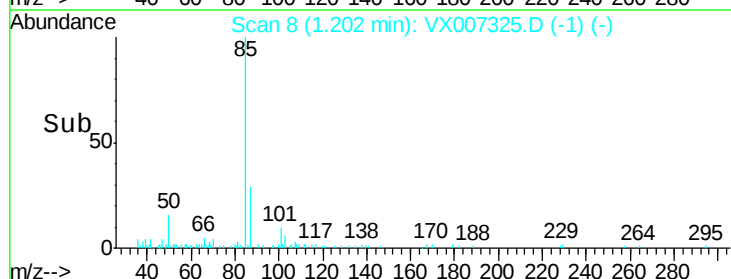
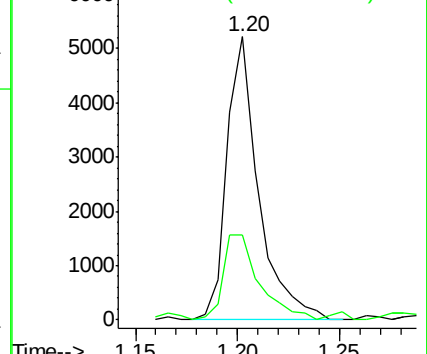
85 100

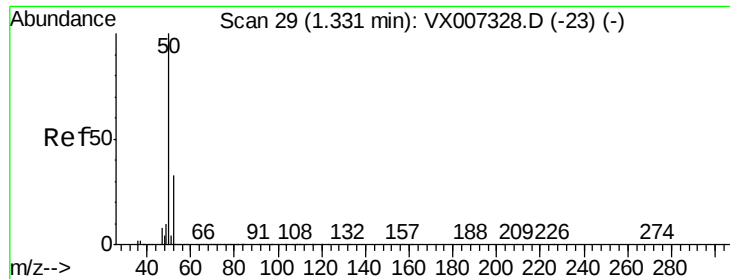
87 28.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 1.082 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 7660

Ion Ratio Lower Upper

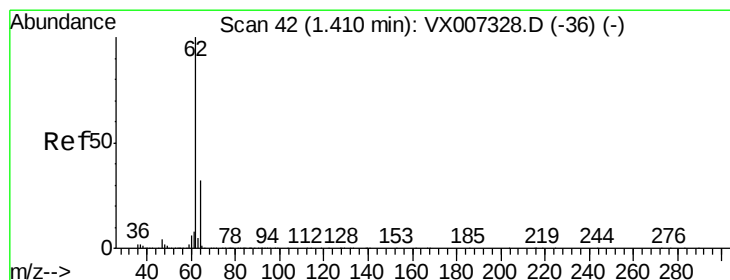
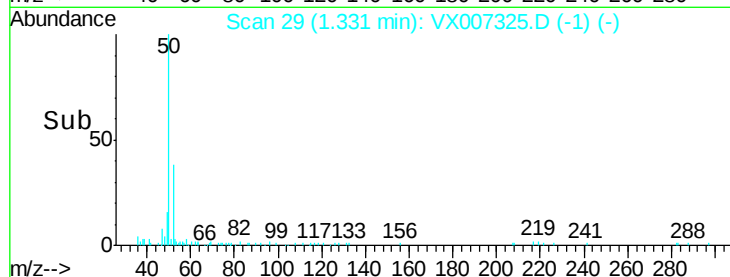
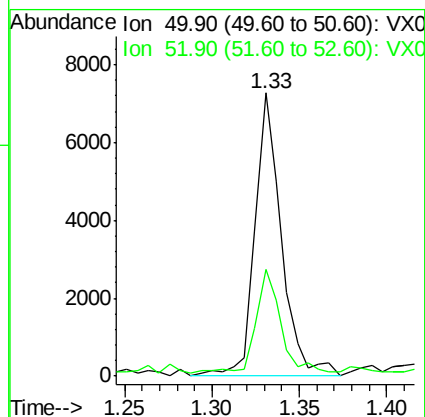
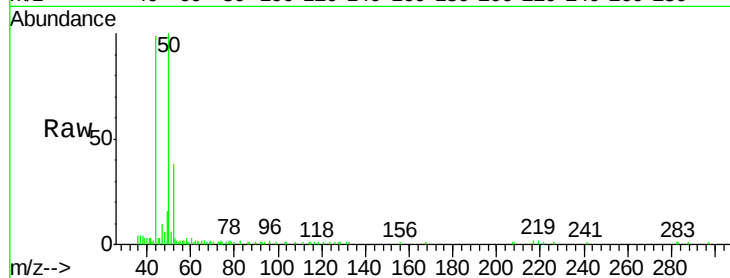
50 100

52 35.2 26.1 39.1

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#4

Vinyl Chloride

Concen: 1.231 ug/l

RT: 1.42 min Scan# 43

Delta R.T. 0.01 min

Lab File: VX007325.D

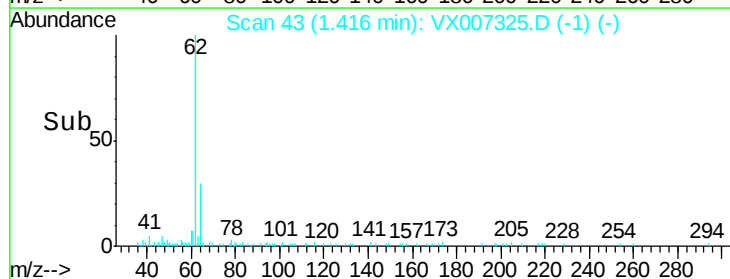
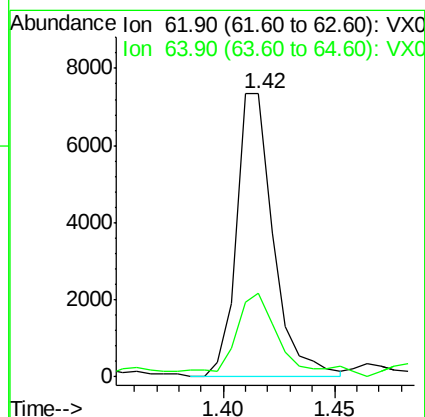
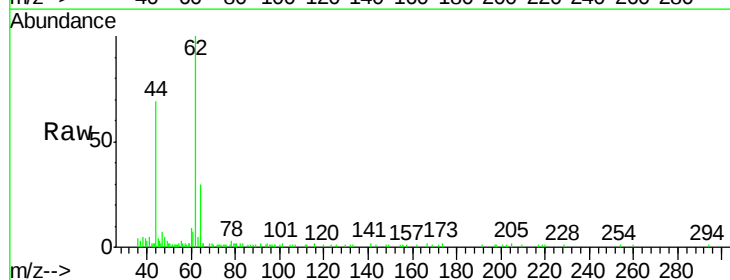
Acq: 01 Feb 2019 09:36

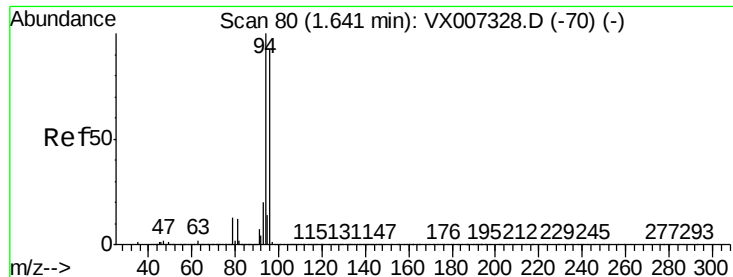
Tgt Ion: 62 Resp: 8551

Ion Ratio Lower Upper

62 100

64 27.4 25.4 38.0





#5

Bromomethane

Concen: 1.146 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 94 Resp: 9060

Ion Ratio Lower Upper

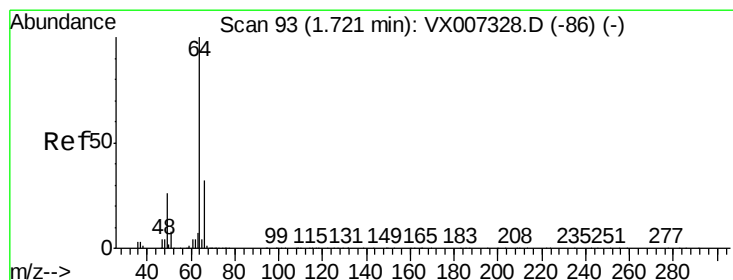
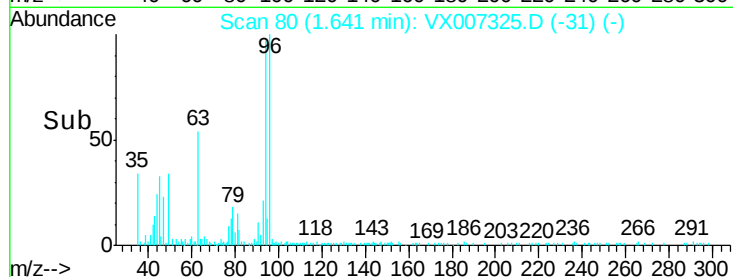
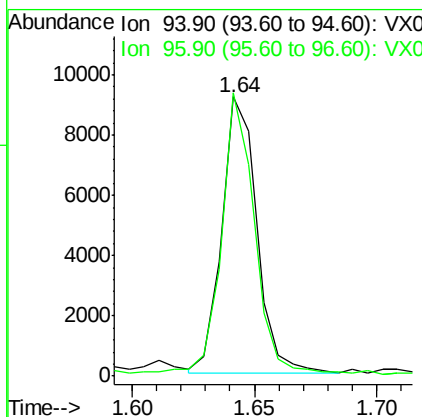
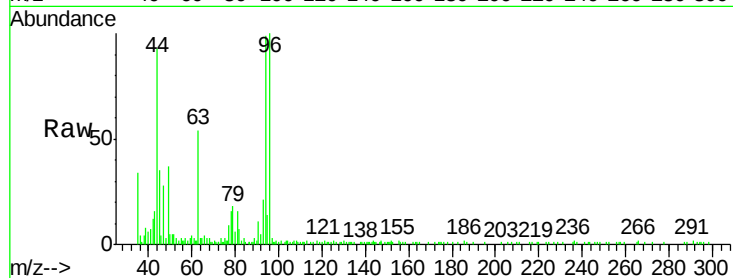
94 100

96 101.4 73.9 110.9

Manual Integrations
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#6

Chloroethane

Concen: 1.275 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007325.D

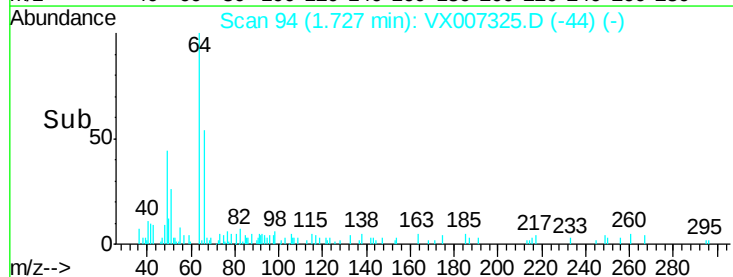
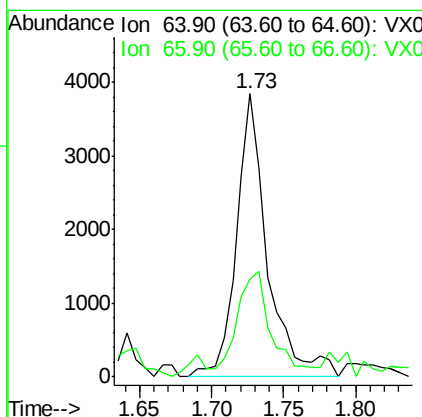
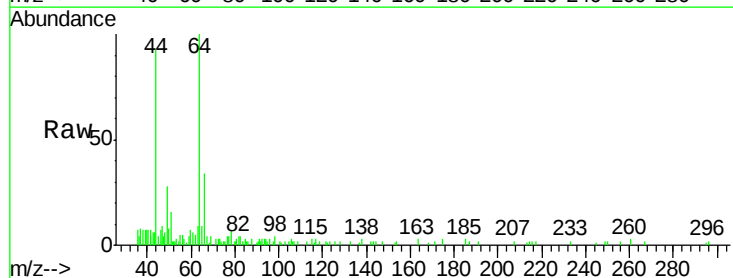
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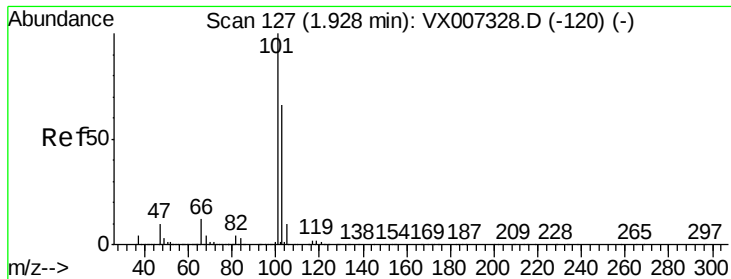
Tgt Ion: 64 Resp: 5731

Ion Ratio Lower Upper

64 100

66 30.0 25.5 38.3





#7

Trichlorofluoromethane

Concen: 1.241 ug/l

RT: 1.93 min Scan# 128

Delta R.T. 0.01 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:101 Resp: 13485

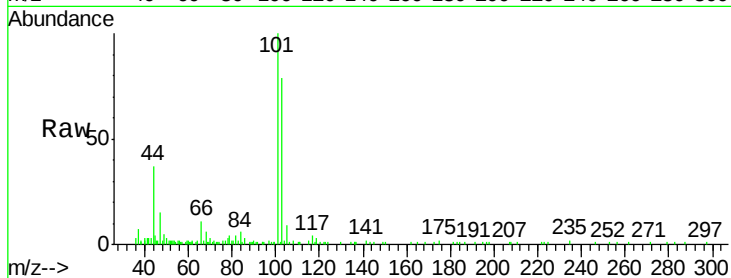
Ion Ratio Lower Upper

101 100

103 78.2 52.6 79.0

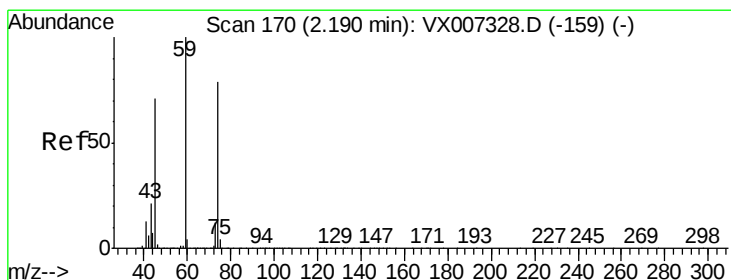
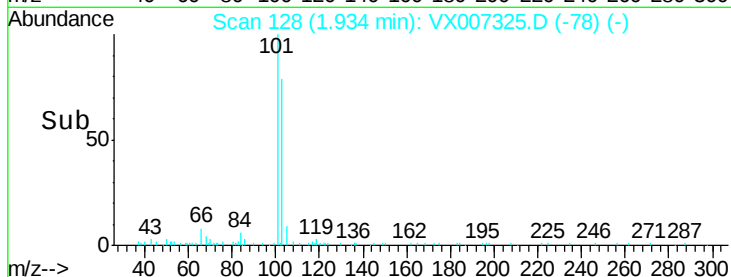
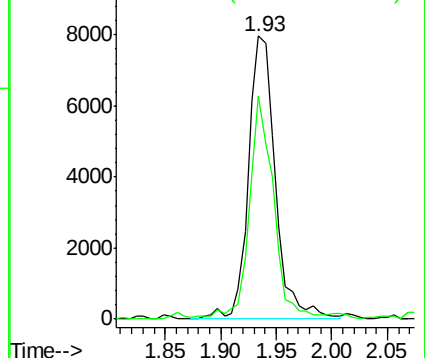
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 1.438 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX007325.D

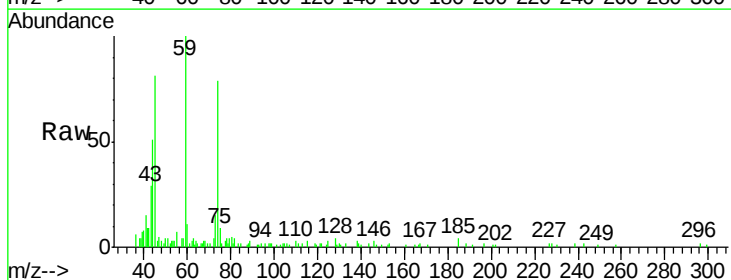
Acq: 01 Feb 2019 09:36

Tgt Ion: 74 Resp: 5881

Ion Ratio Lower Upper

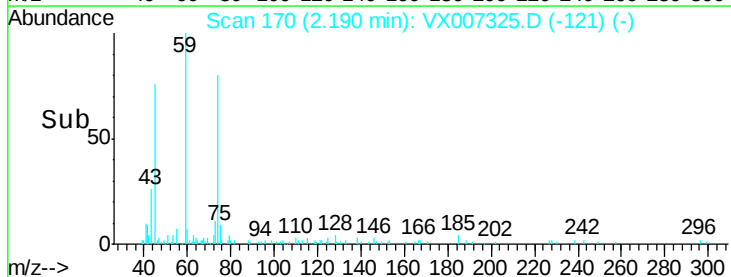
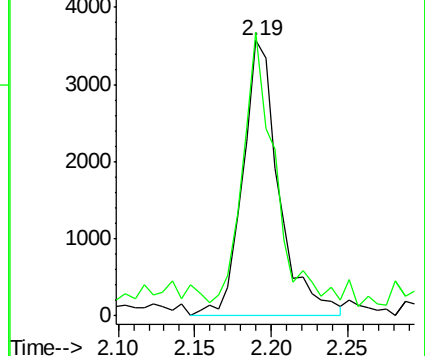
74 100

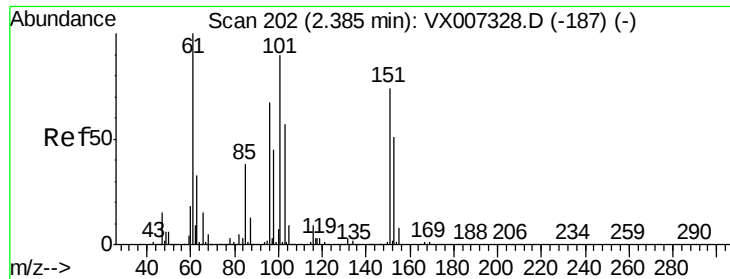
45 83.7 45.7 137.1



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.334 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Instrument :

MSVOA_X

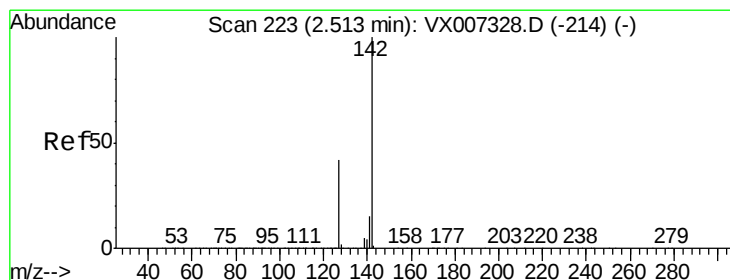
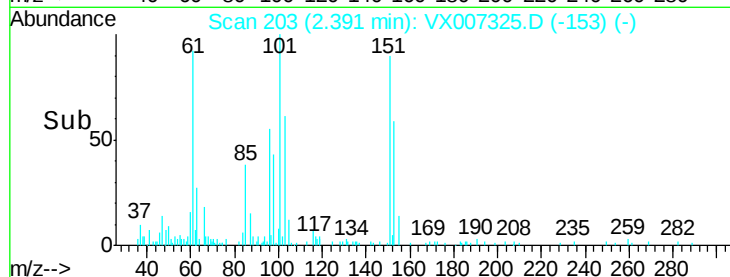
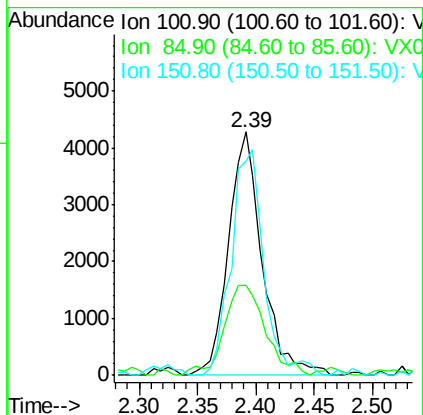
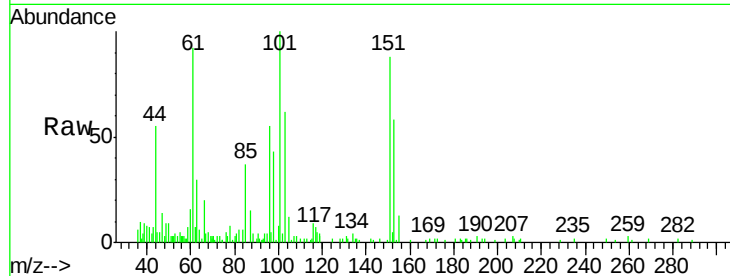
ClientSampleId :

VSTDIC001

Tot Ion:	101	Resp:	8621
Ion Ratio	Lower	Upper	
101	100		
85	45.4	34.1	51.1
151	89.8	69.9	104.9

Manual Integrations
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#10

Methyl Iodide

Concen: 1.112 ug/l

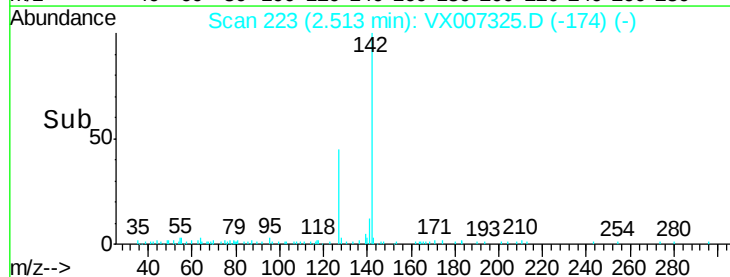
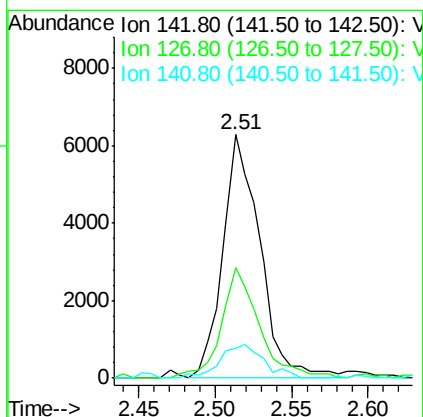
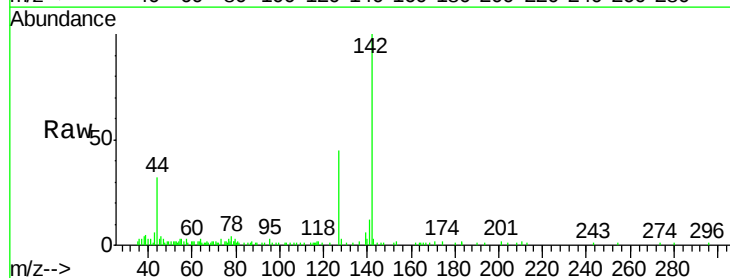
RT: 2.51 min Scan# 223

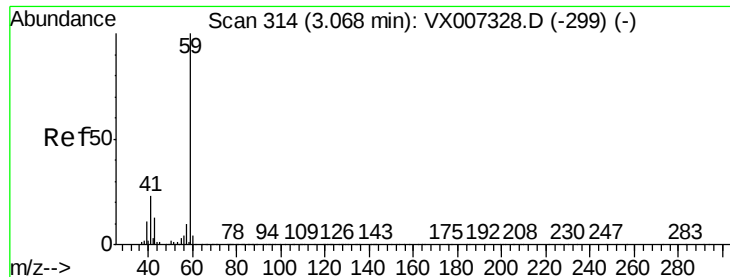
Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Tgt Ion:	142	Resp:	10571
Ion Ratio	Lower	Upper	
142	100		
127	46.1	33.7	50.5
141	16.5	11.3	16.9





#11

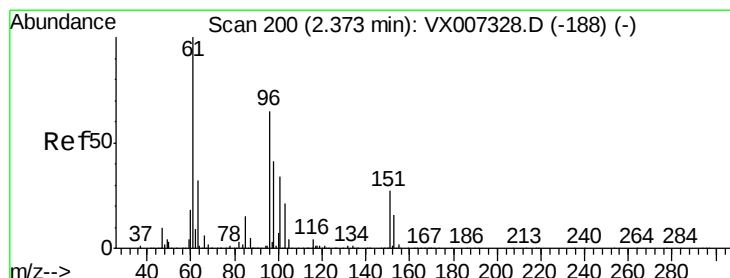
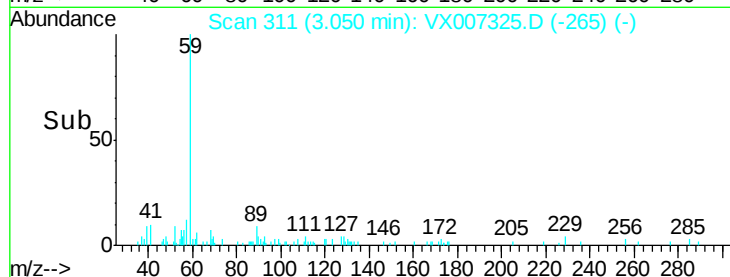
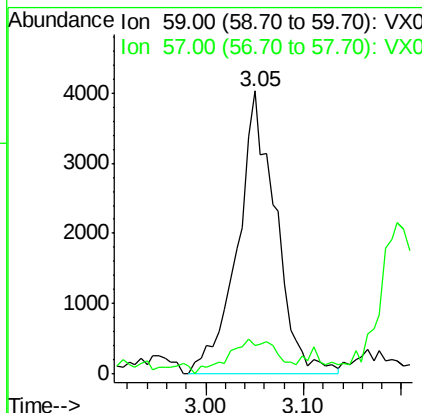
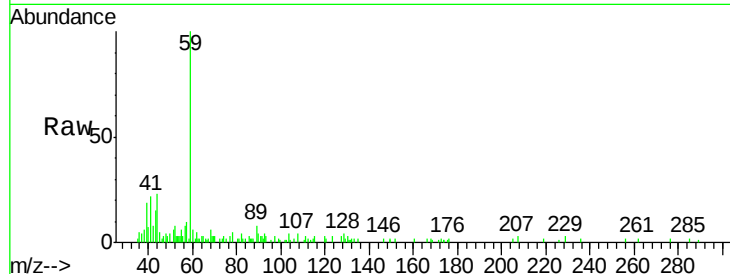
Tert butyl alcohol
Concen: 7.916 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.02 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
59	100		
57	15.9	8.1	12.1#

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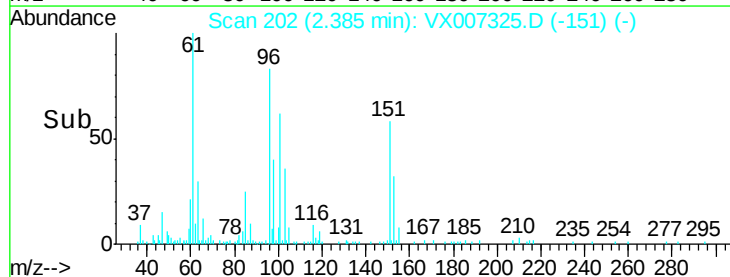
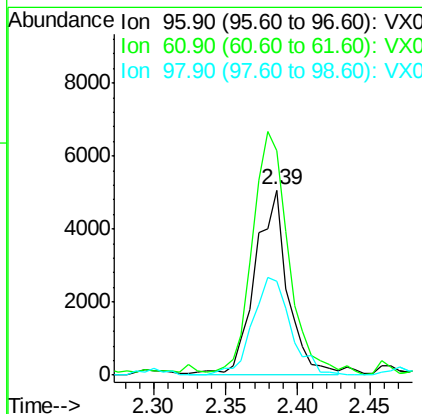
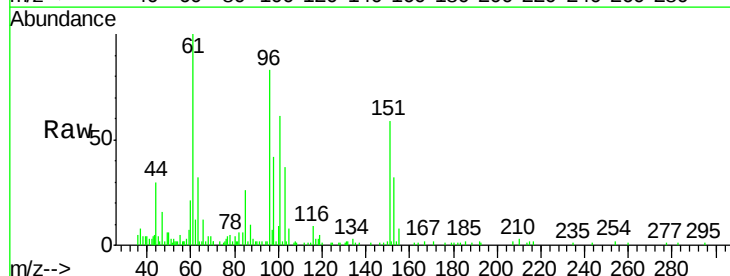
MMDadoda
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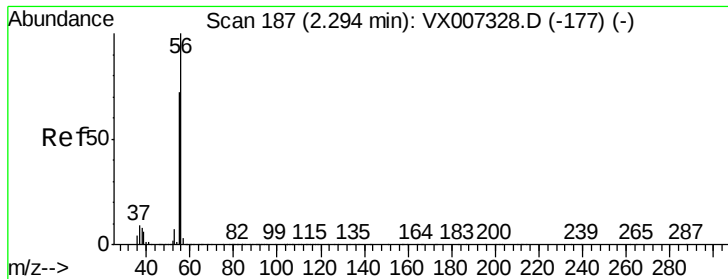


#12

1,1-Dichloroethene
Concen: 1.334 ug/l
RT: 2.39 min Scan# 202
Delta R.T. 0.01 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	118.9	123.0	184.4#
98	51.2	50.9	76.3





#13

Acrolein

Concen: 4.496 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 56 Resp: 2911

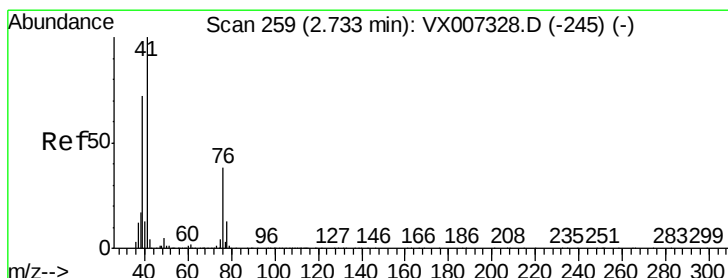
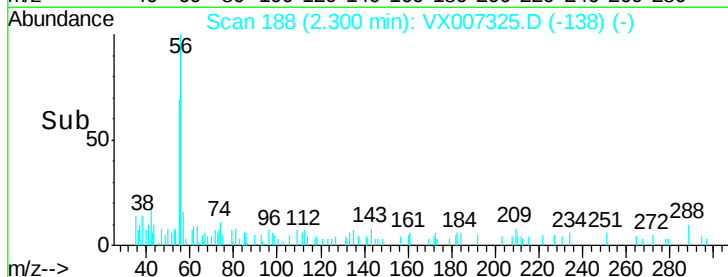
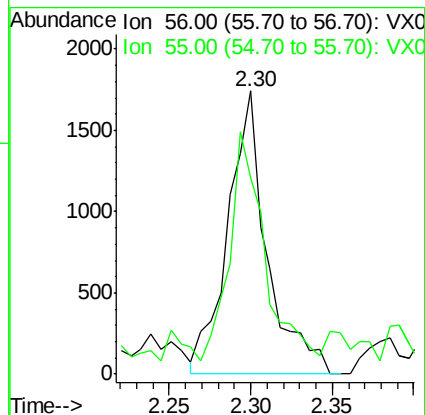
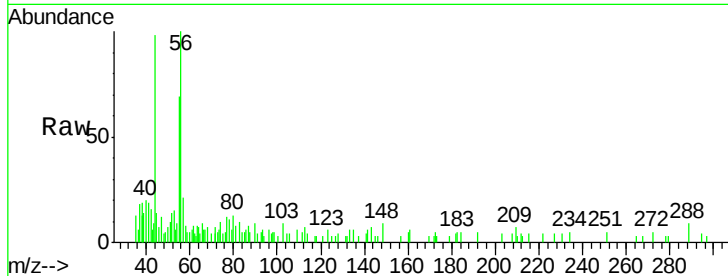
Ion Ratio Lower Upper

56 100

55 77.5 56.9 85.3

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#14

Allyl chloride

Concen: 1.196 ug/l

RT: 2.73 min Scan# 259

Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

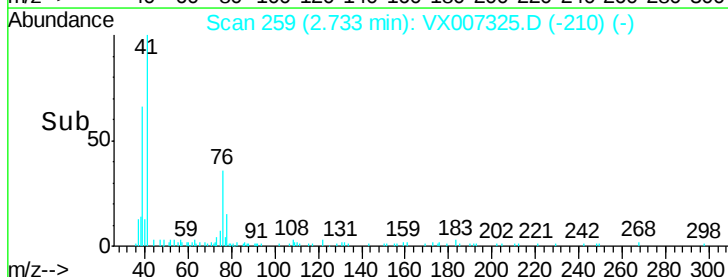
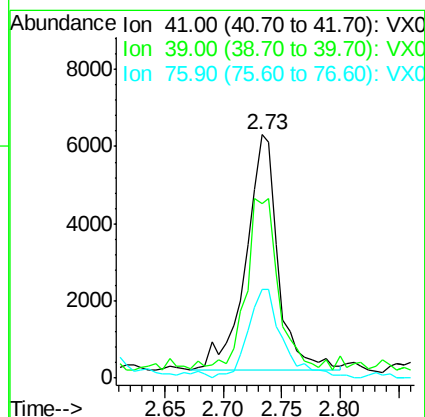
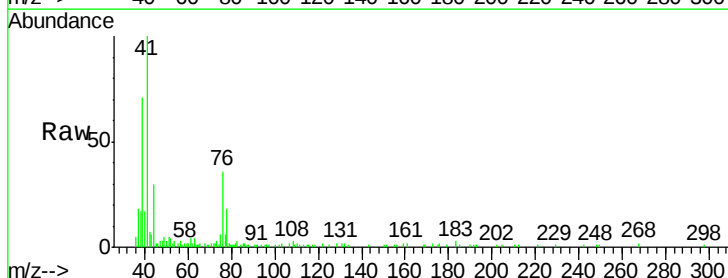
Tgt Ion: 41 Resp: 11694

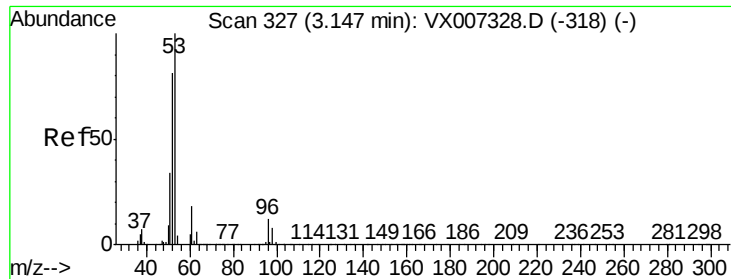
Ion Ratio Lower Upper

41 100

39 72.4 54.1 81.1

76 41.4 27.8 41.8





#15

Acrylonitrile

Concen: 6.197 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Instrument :

MSVOA_X

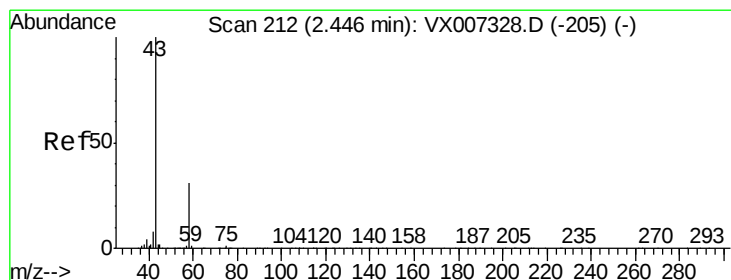
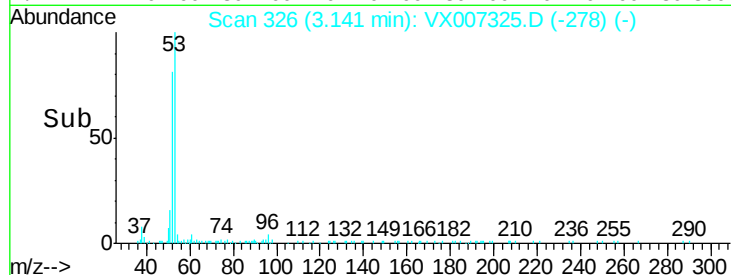
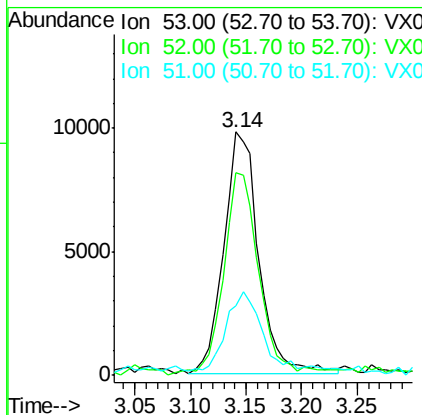
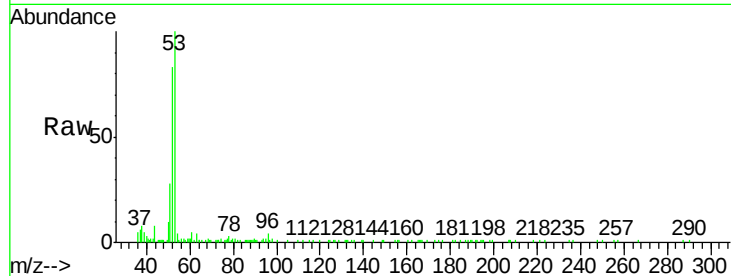
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	21166
Ion Ratio	Lower	Upper	
53	100		
52	83.9	66.4	99.6
51	33.0	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 6.579 ug/l

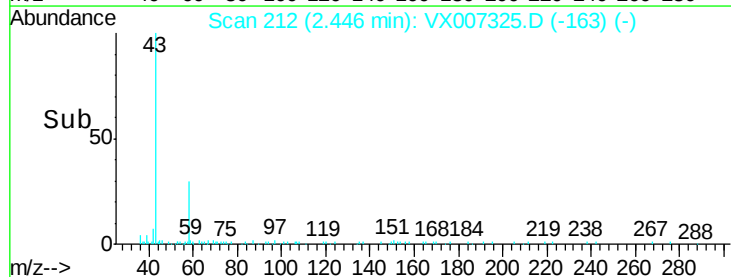
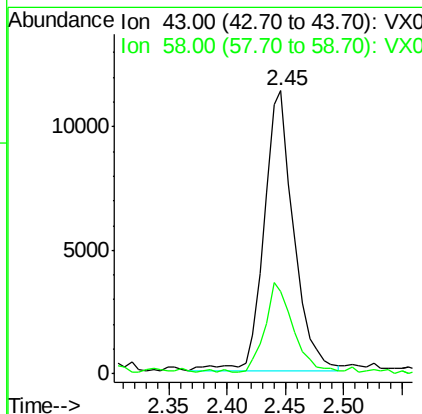
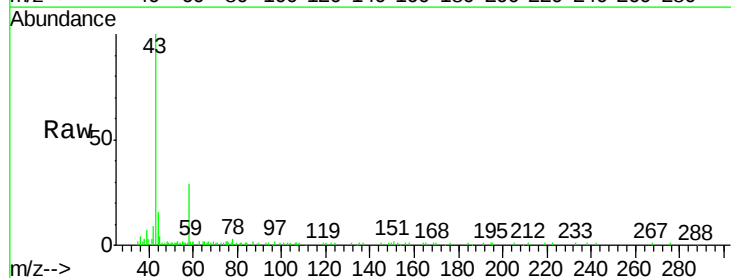
RT: 2.45 min Scan# 212

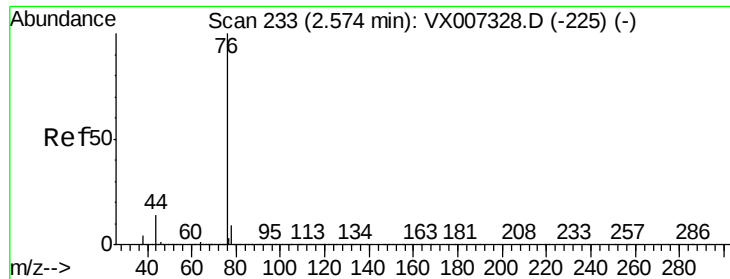
Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Tgt Ion:	43	Resp:	20108
Ion Ratio	Lower	Upper	
43	100		
58	28.5	24.9	37.3





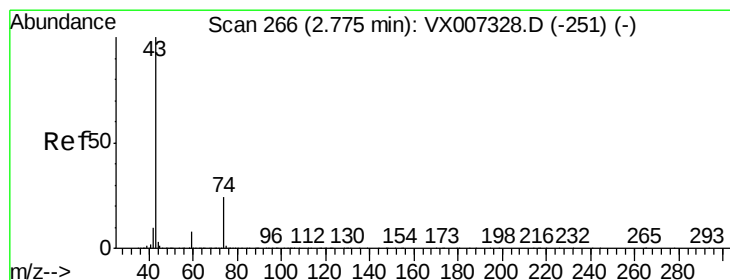
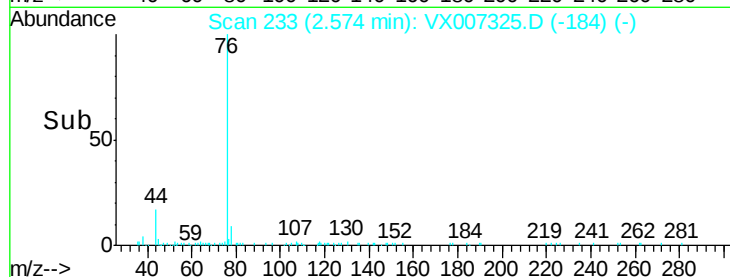
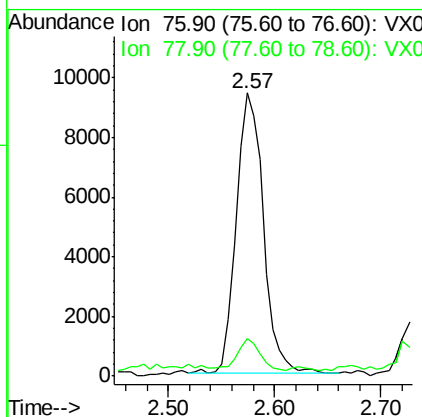
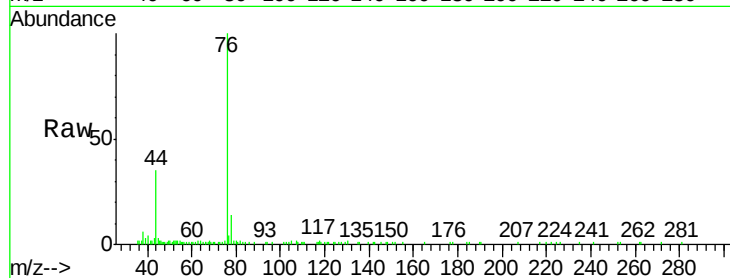
#17
Carbon Disulfide
Concen: 1.070 ug/l
RT: 2.57 min Scan# 233
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

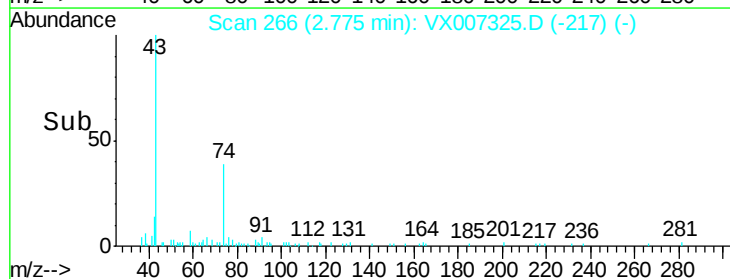
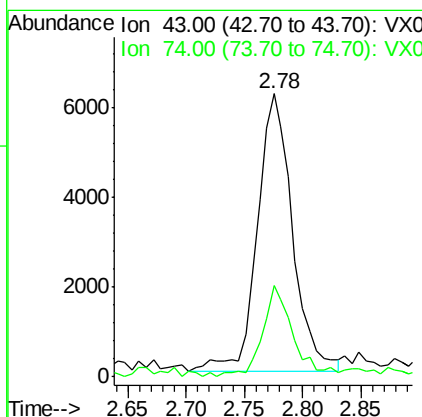
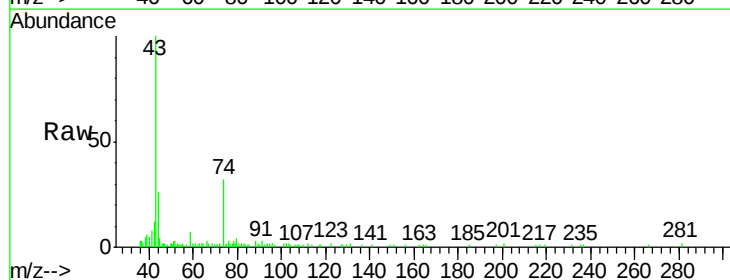
Manual Integrations
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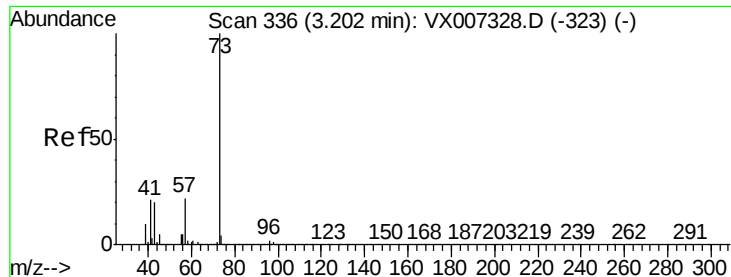
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#18
Methyl Acetate
Concen: 1.509 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.6	19.4	29.2





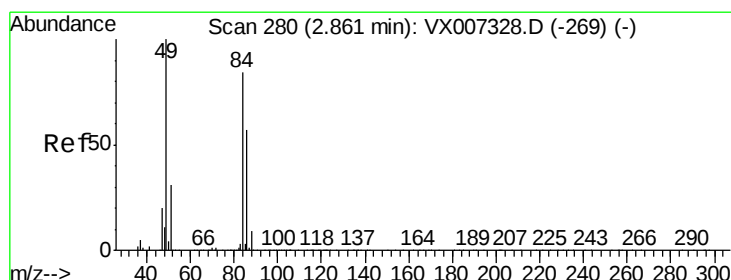
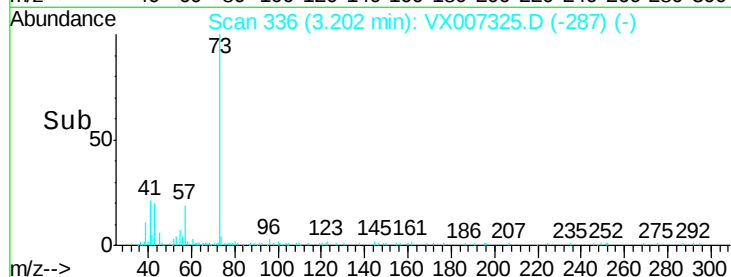
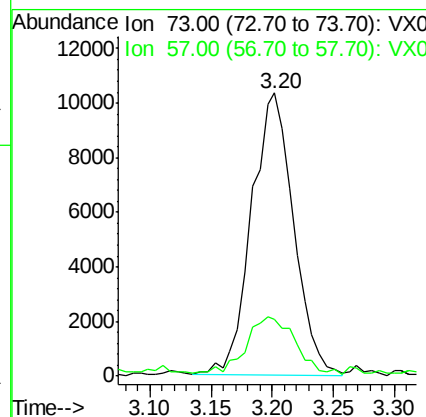
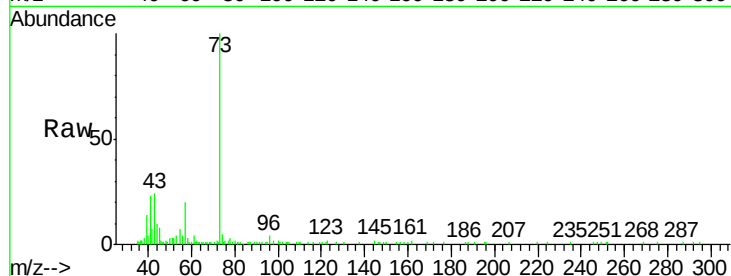
#19
Methyl tert-butyl Ether
Concen: 1.273 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.4	17.8	26.8

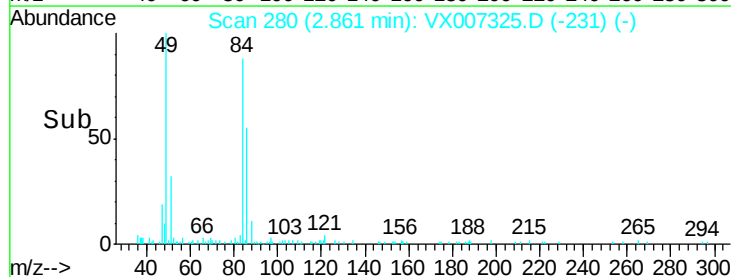
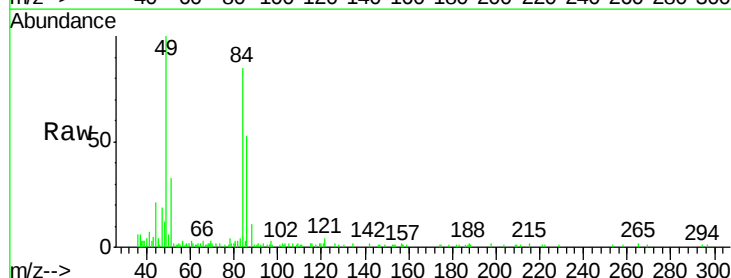
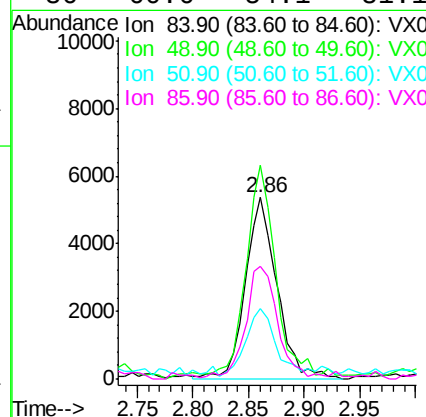
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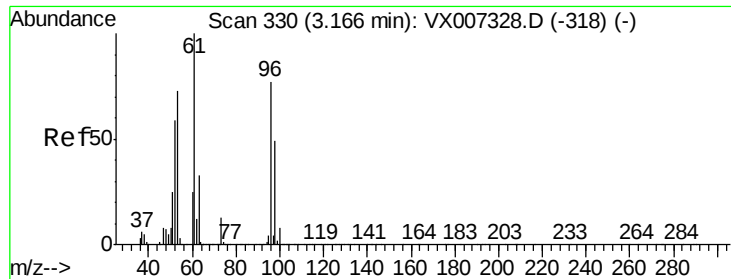
MMDadoda
2/4/2019 9:37:18 AM



#20
Methylene Chloride
Concen: 1.528 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.4	94.8	142.2
51	35.3	29.8	44.8
86	60.6	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 1.351 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Instrument :

MSVOA_X

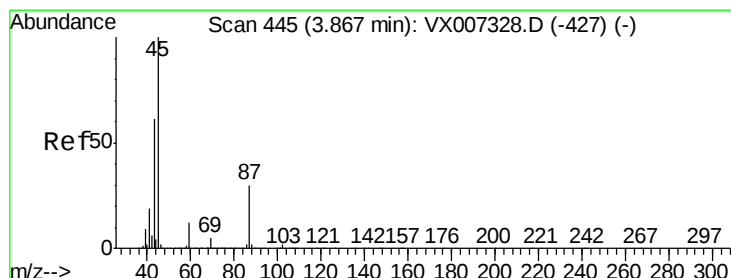
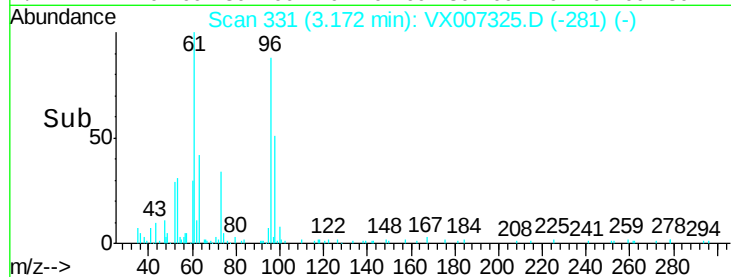
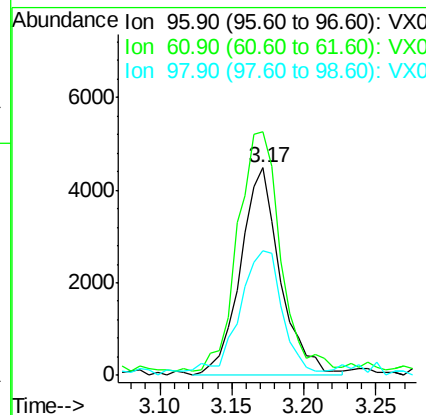
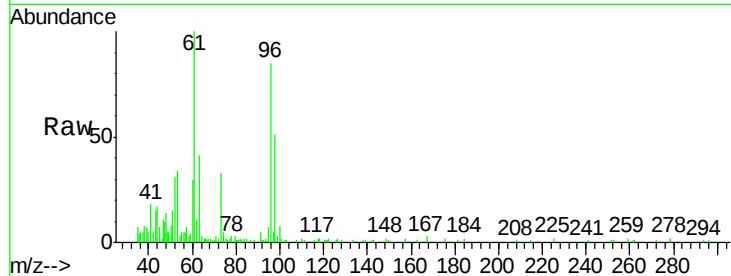
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	8635
Ion	Ratio	Lower	Upper
96	100		
61	115.4	104.6	156.8
98	57.7	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 1.315 ug/l

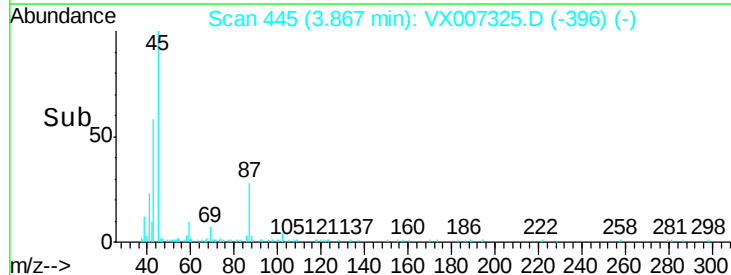
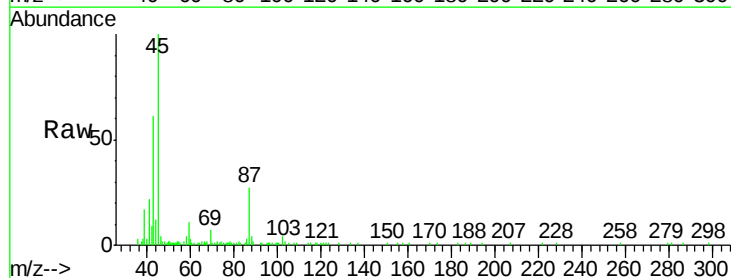
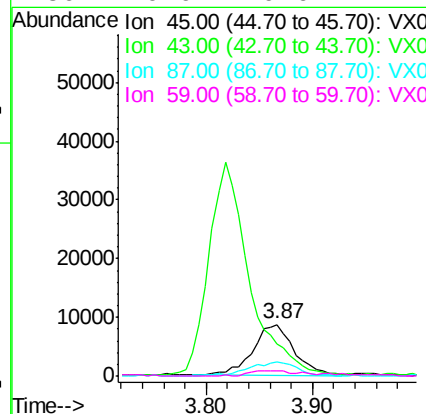
RT: 3.87 min Scan# 445

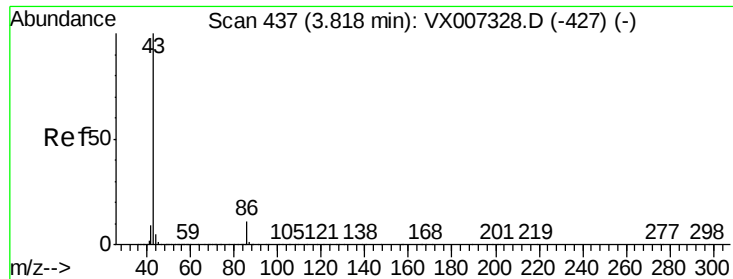
Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Tgt Ion:	45	Resp:	23647
Ion	Ratio	Lower	Upper
45	100		
43	58.5	48.9	73.3
87	27.8	23.9	35.9
59	9.9	9.6	14.4





#23

Vinyl Acetate

Concen: 6.365 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 95009

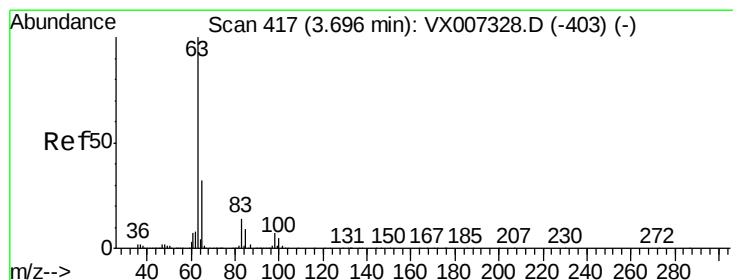
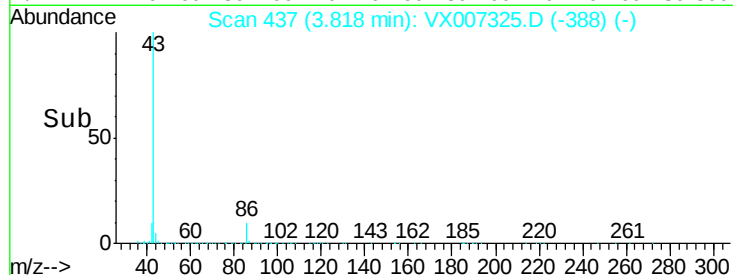
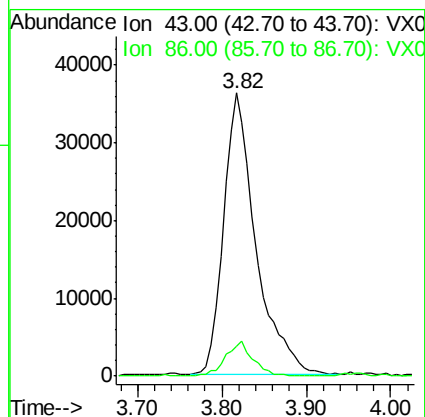
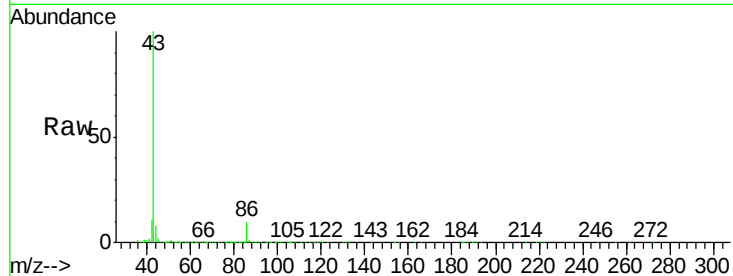
Ion Ratio Lower Upper

43 100

86 10.2 8.7 13.1

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#24

1,1-Dichloroethane

Concen: 1.404 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

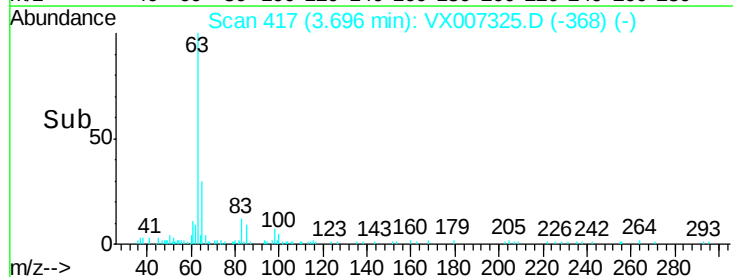
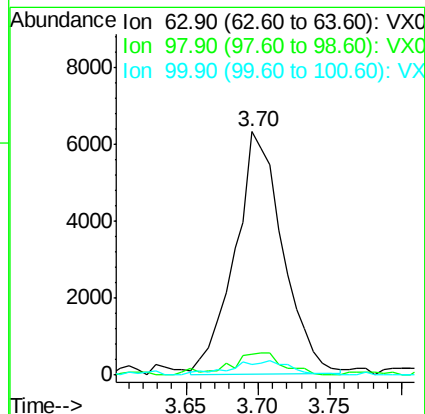
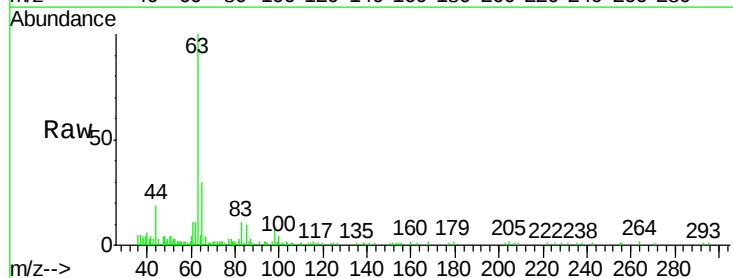
Tgt Ion: 63 Resp: 14499

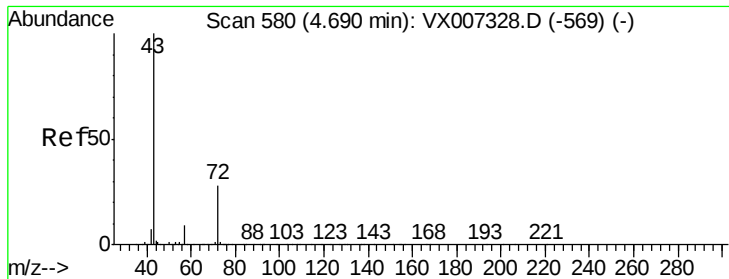
Ion Ratio Lower Upper

63 100

98 8.7 3.6 10.8

100 3.4 2.5 7.4





#25

2-Butanone

Concen: 5.847 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 43 Resp: 25432

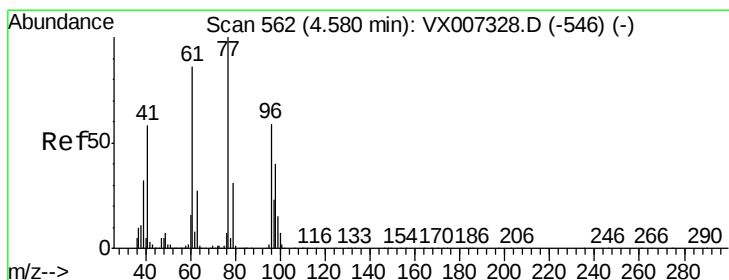
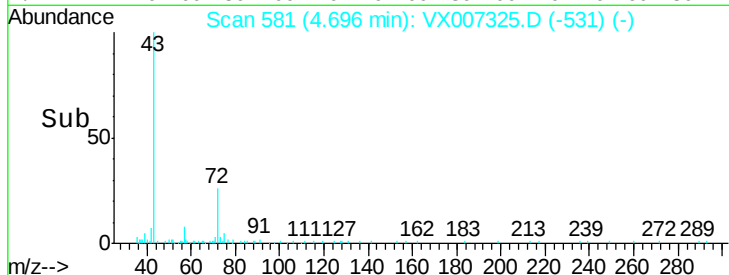
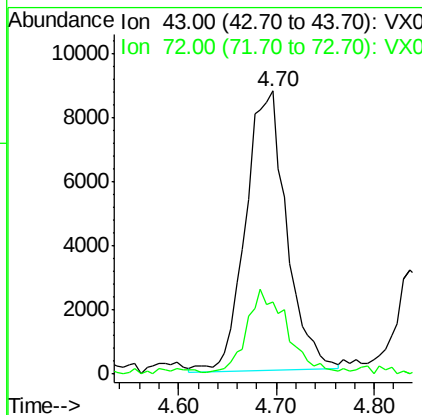
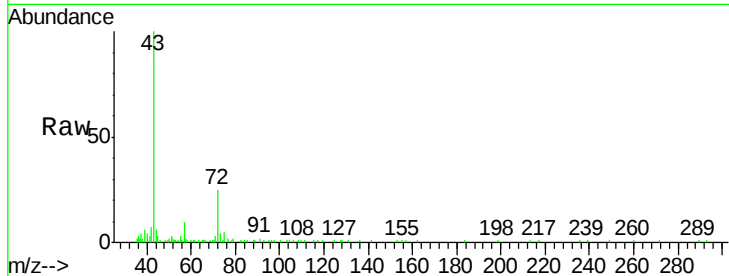
Ion Ratio Lower Upper

43 100

72 24.7 22.2 33.2

Manual Integrations
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2/4/2019 9:37:18 AM



#26

2,2-Dichloropropane

Concen: 1.364 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX007325.D

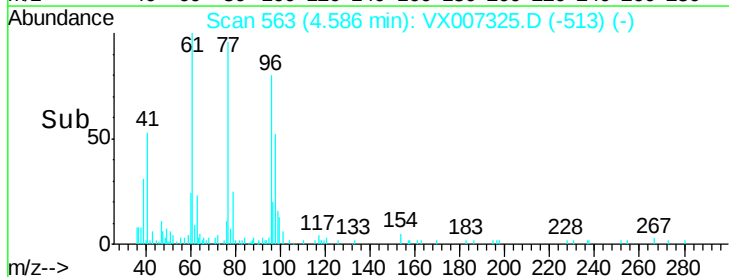
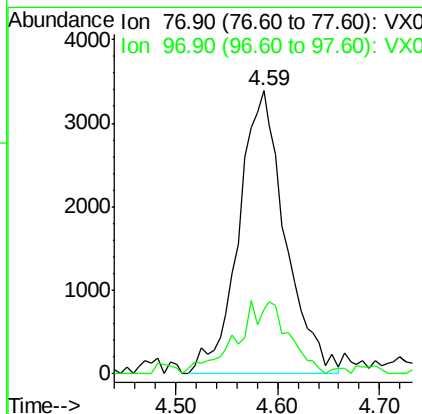
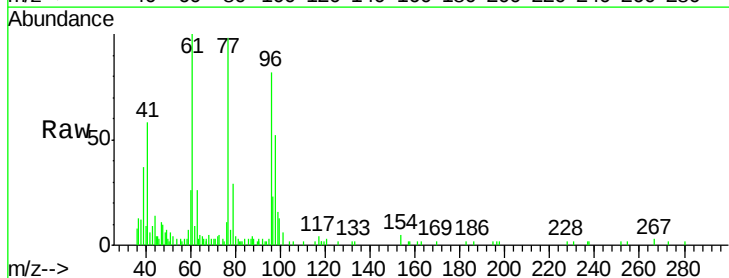
Acq: 01 Feb 2019 09:36

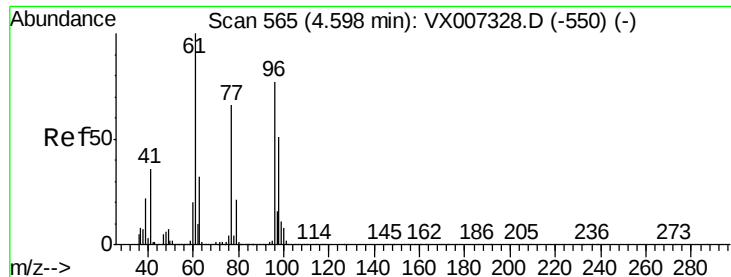
Tgt Ion: 77 Resp: 10734

Ion Ratio Lower Upper

77 100

97 28.4 12.1 36.3





#27

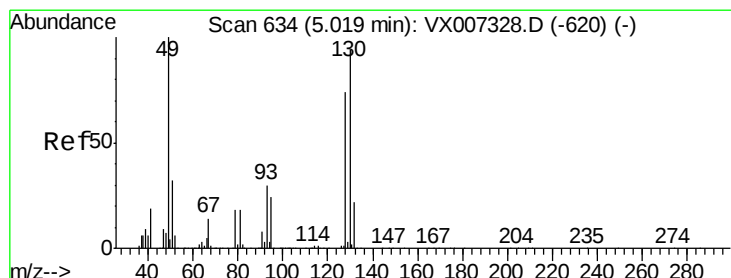
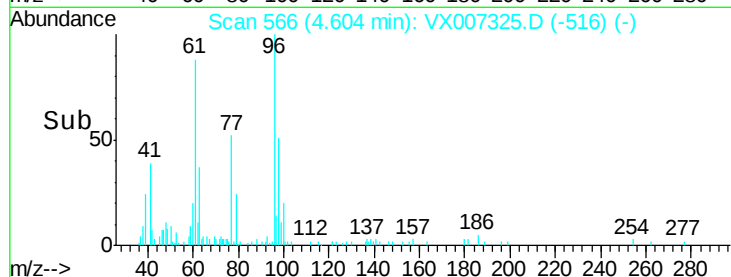
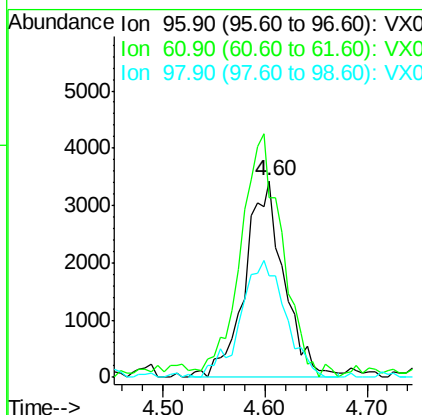
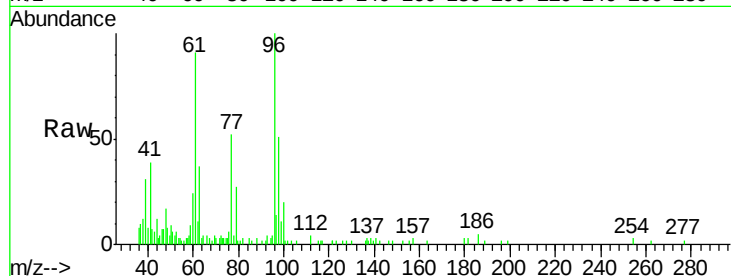
cis-1,2-Dichloroethene
 Concen: 1.305 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX007325.D
 Acq: 01 Feb 2019 09:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.7	0.0	265.6
98	67.9	0.0	131.6

Manual Integrations
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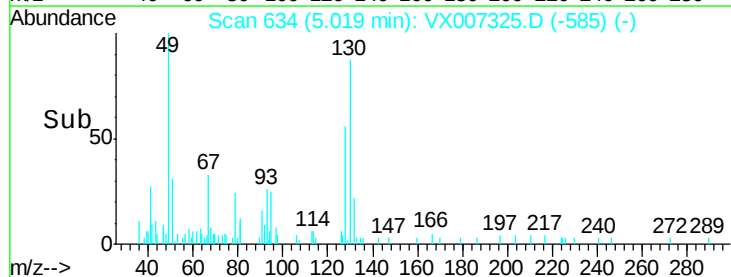
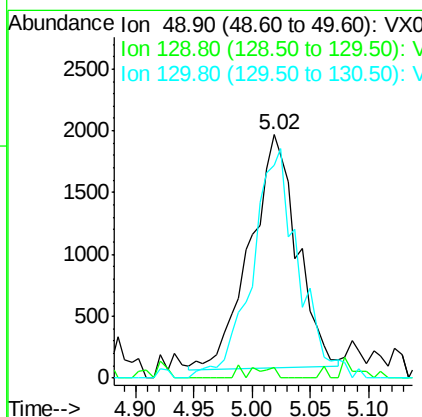
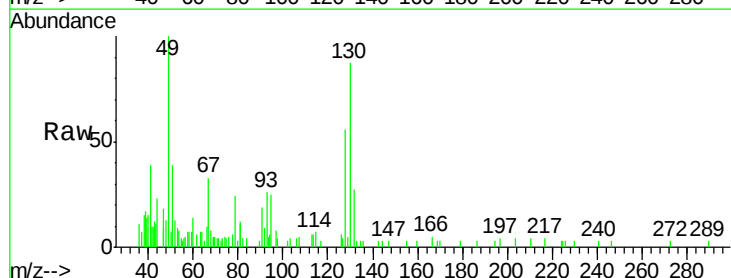
MMDadoda
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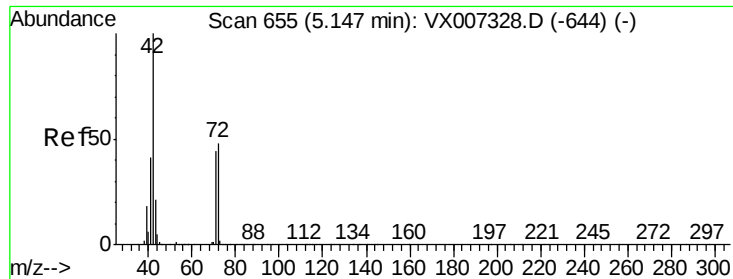


#28

Bromochloromethane
 Concen: 1.113 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX007325.D
 Acq: 01 Feb 2019 09:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	5.6
130	97.5	75.6	113.4





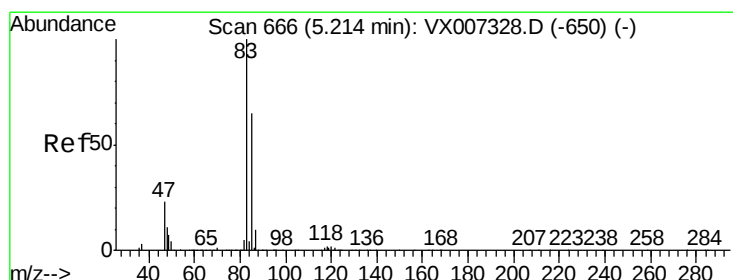
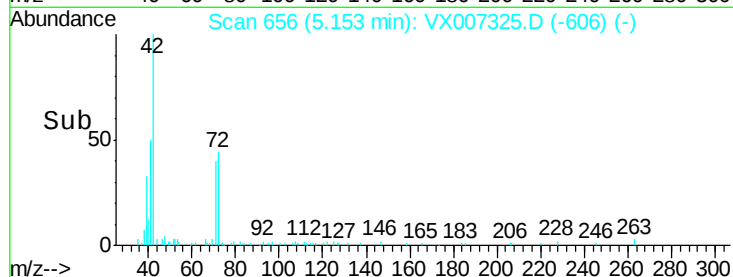
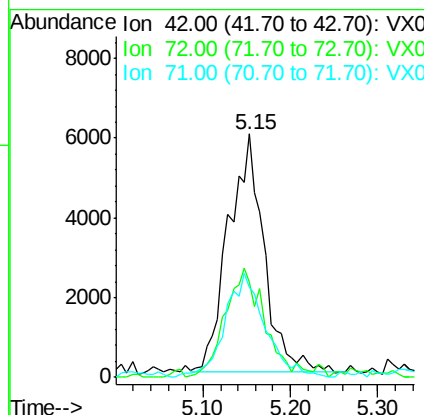
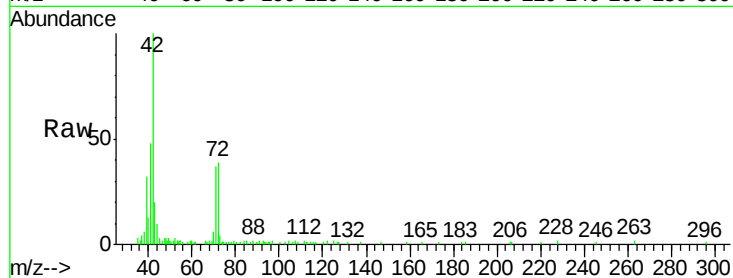
#29
Tetrahydrofuran
Concen: 6.217 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.1	37.6	56.4
71	48.7	34.6	51.8

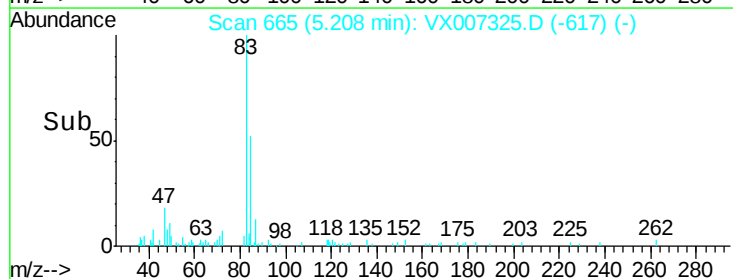
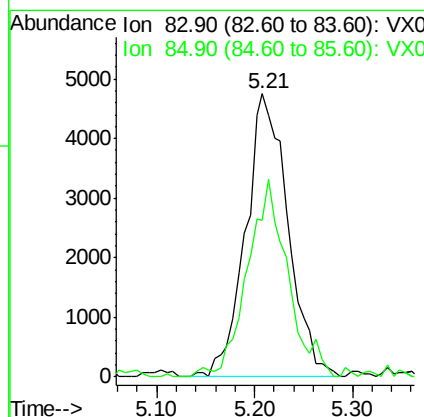
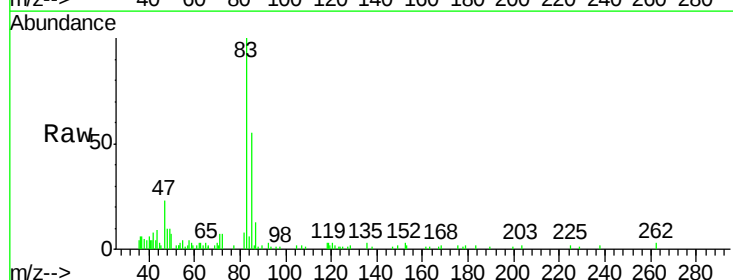
Manual Integrations
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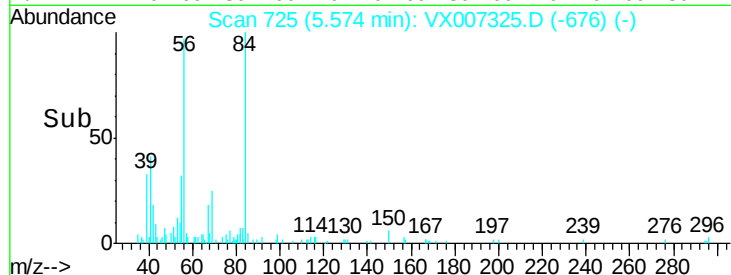
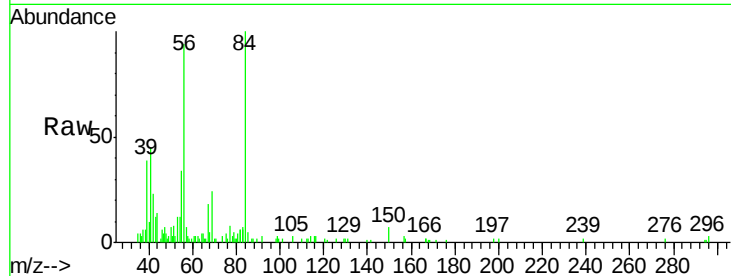
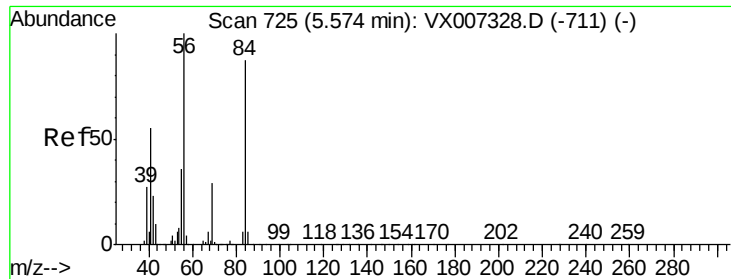
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#30
Chloroform
Concen: 1.331 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	55.2	51.6	77.4





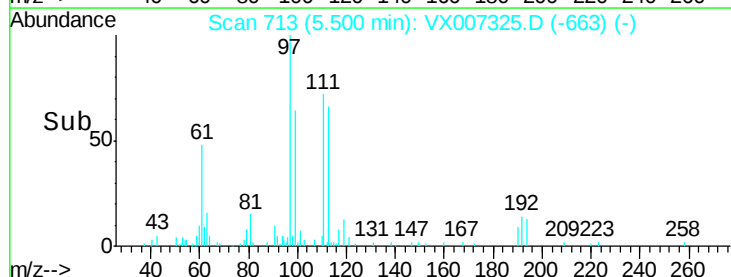
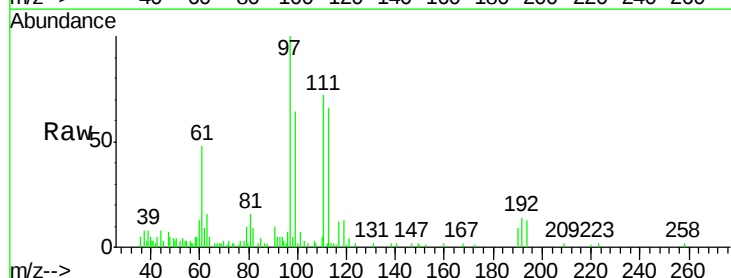
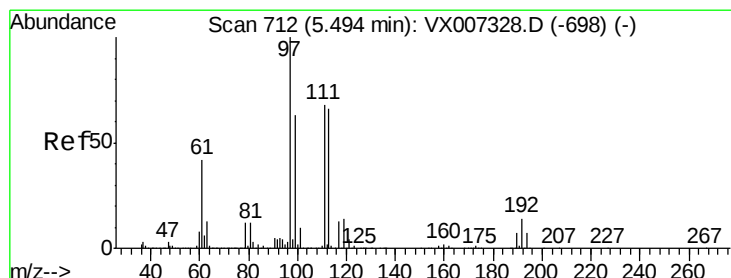
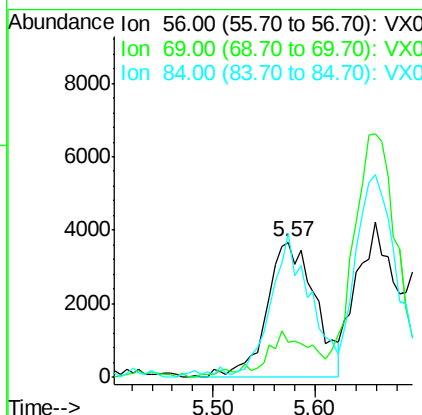
#31
Cyclohexane
Concen: 1.308 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tot Ion	Ratio	Lower	Upper
56	100		
69	22.4	23.0	34.6#
84	103.6	69.8	104.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

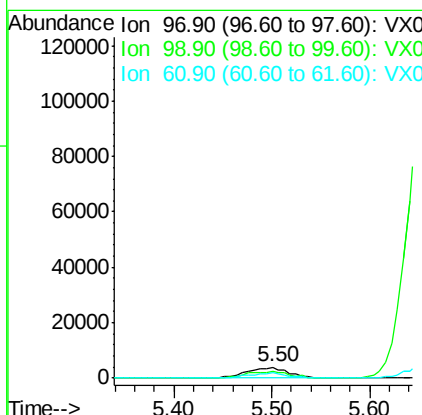
Manual Integrations
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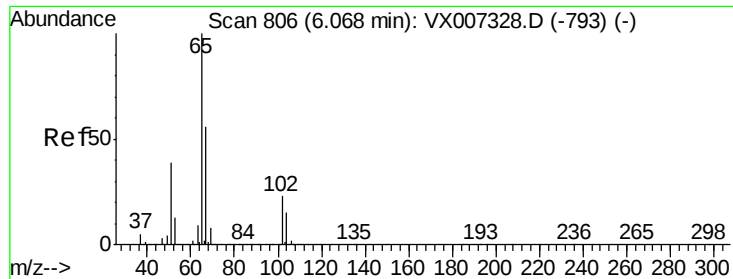
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#32
1,1,1-Trichloroethane
Concen: 1.278 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.2	78.2#
61	47.2	32.7	49.1





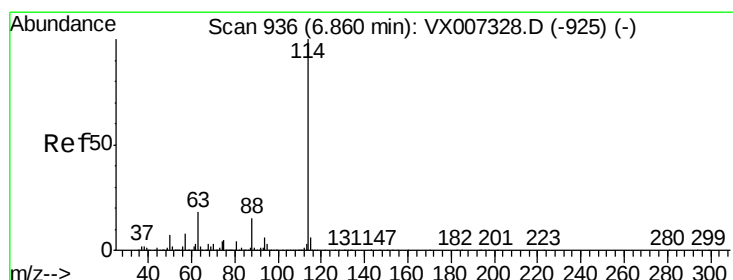
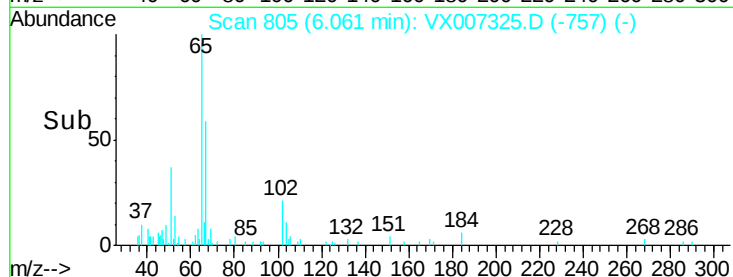
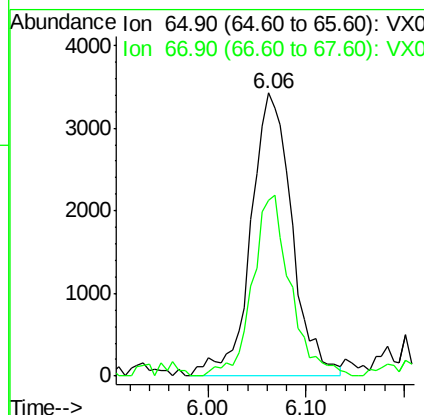
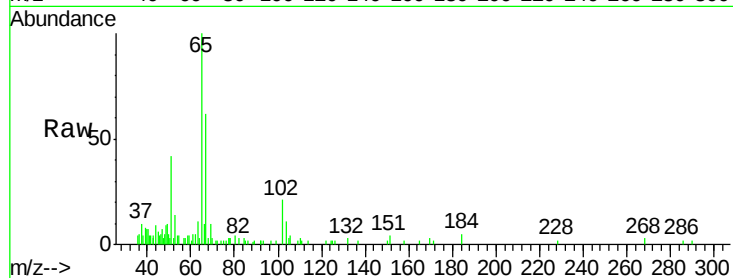
#33
 1,2-Dichloroethane-d4
 Concen: 1.494 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX007325.D
 Acq: 01 Feb 2019 09:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
65	100		
67	59.2	0.0	108.8

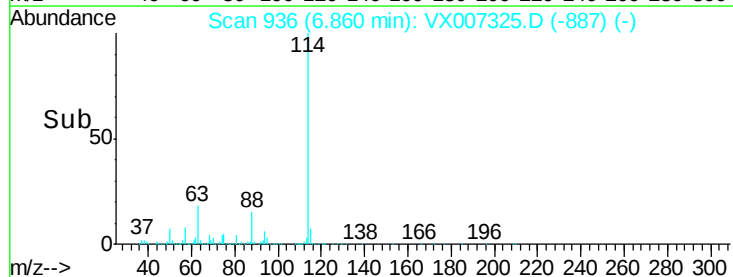
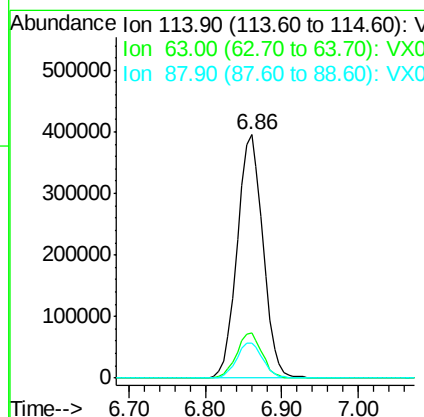
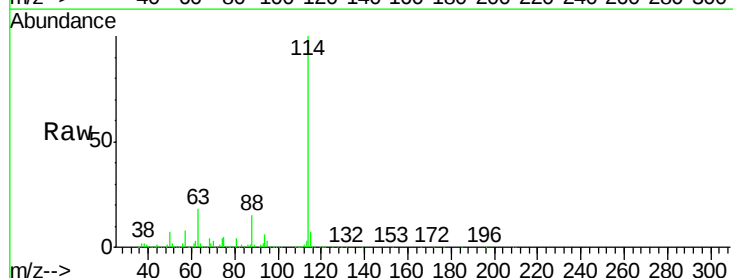
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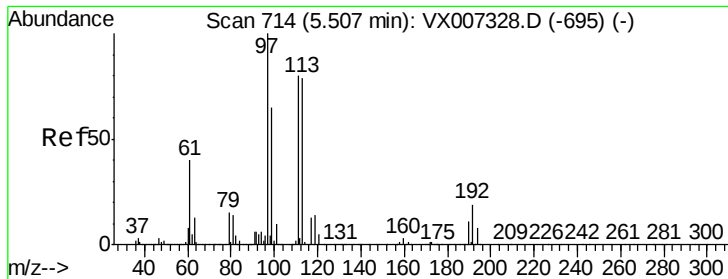
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007325.D
 Acq: 01 Feb 2019 09:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	35.6
88	14.6	0.0	29.6





#35

Dibromofluoromethane

Concen: 1.356 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Instrument :

MSVOA_X

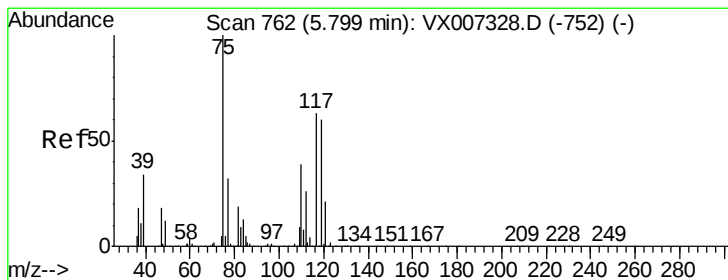
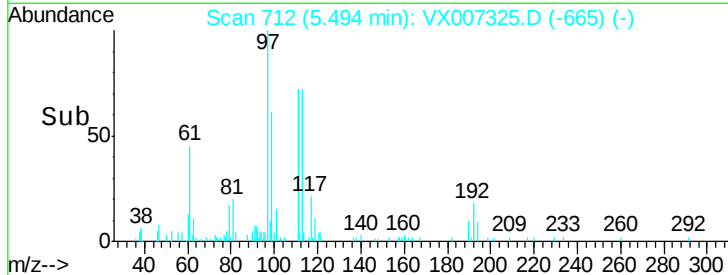
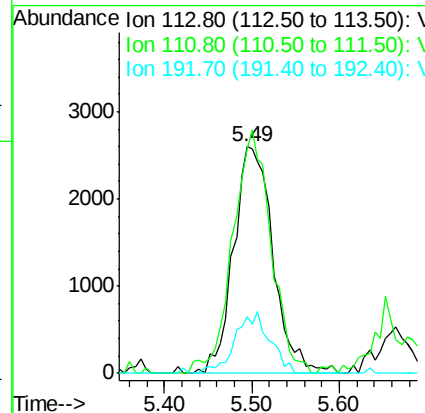
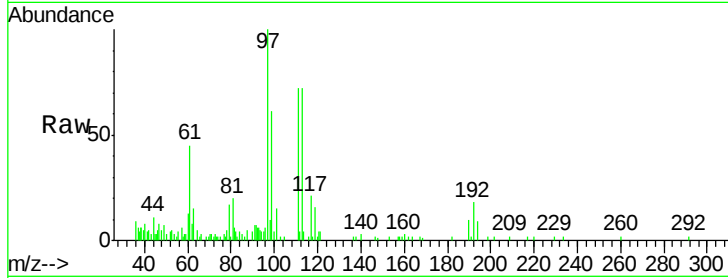
ClientSampleId :

VSTDIC001

Tot Ion:	113	Resp:	8136
Ion Ratio	Lower	Upper	
113	100		
111	103.8	81.8	122.8
192	23.8	18.5	27.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 1.243 ug/l

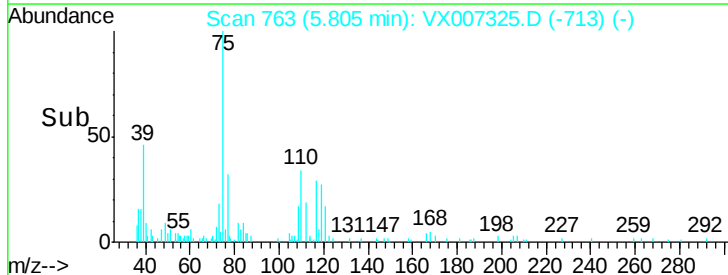
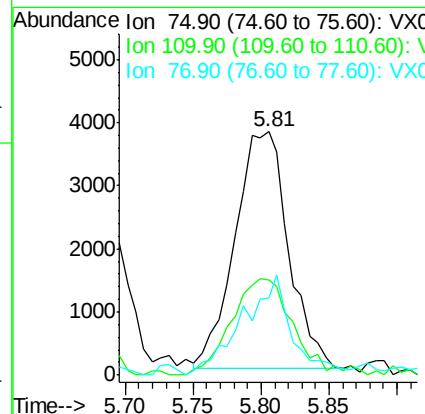
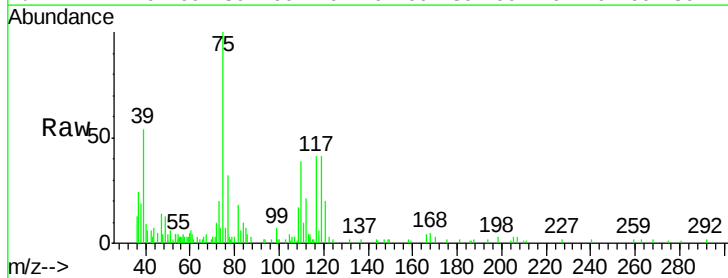
RT: 5.81 min Scan# 763

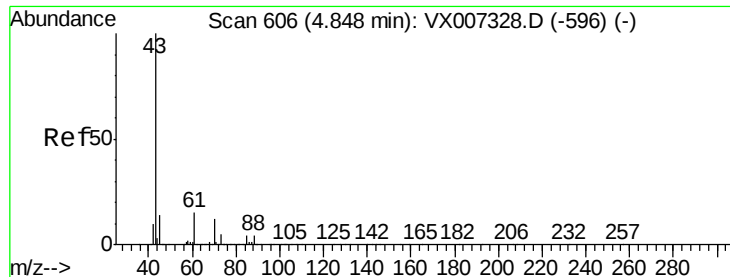
Delta R.T. 0.01 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Tgt Ion:	75	Resp:	10281
Ion Ratio	Lower	Upper	
75	100		
110	47.3	20.0	59.9
77	39.5	24.7	37.1#





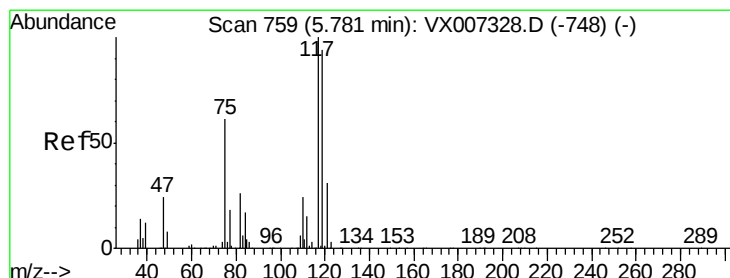
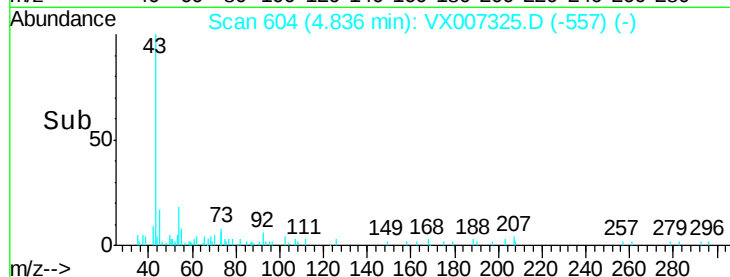
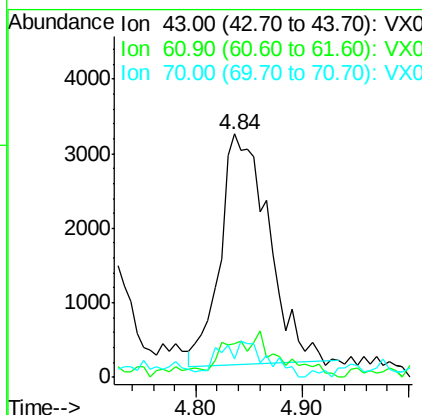
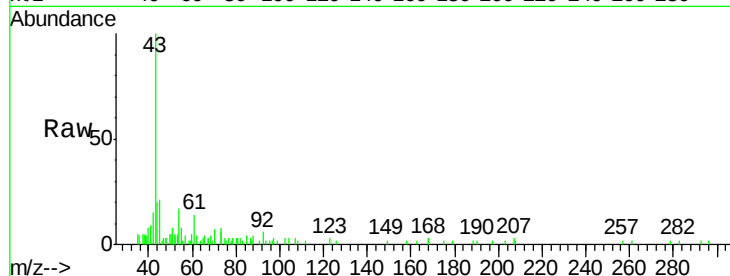
#37
Ethyl Acetate
Concen: 1.173 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.01 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
61	6.9	11.3	16.9#
70	9.5	8.6	13.0

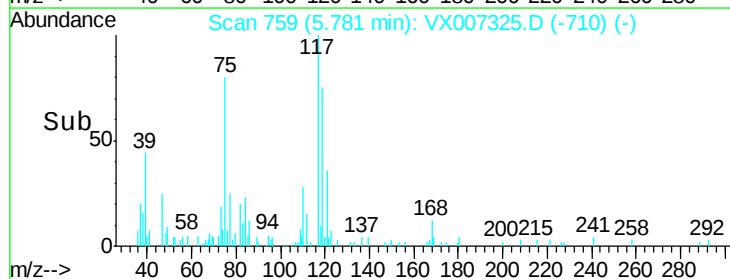
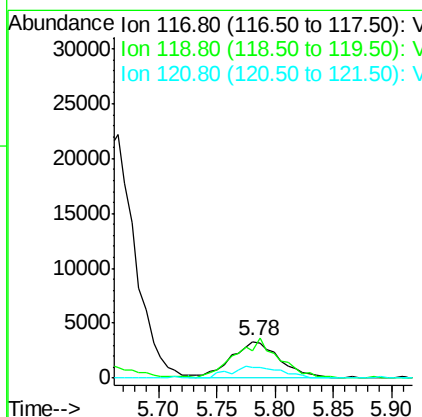
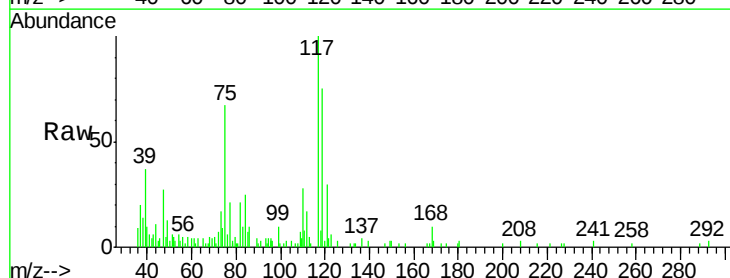
Manual Integrations
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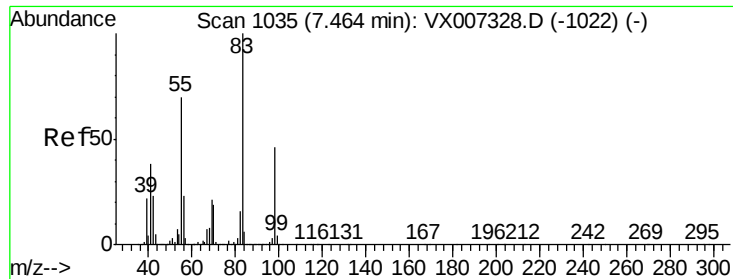
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#38
Carbon Tetrachloride
Concen: 1.215 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	75.3	75.3	112.9
121	30.4	25.0	37.4





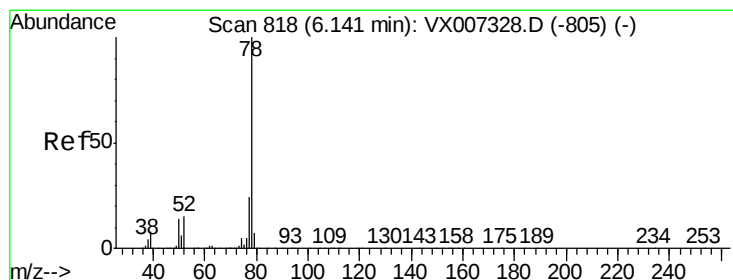
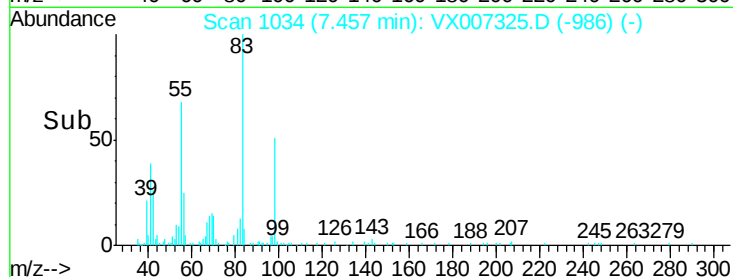
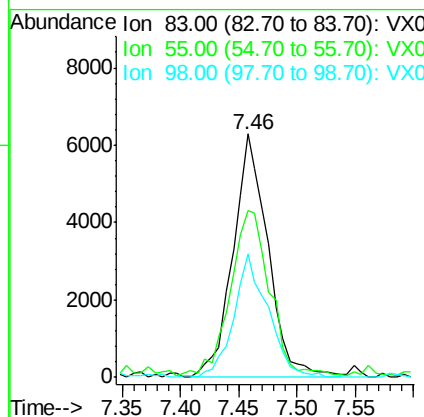
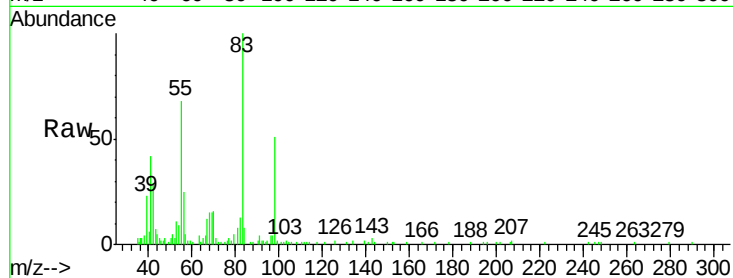
#39
Methvlcvclohexane
Concen: 1.317 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.0	56.2	84.2
98	50.8	36.8	55.2

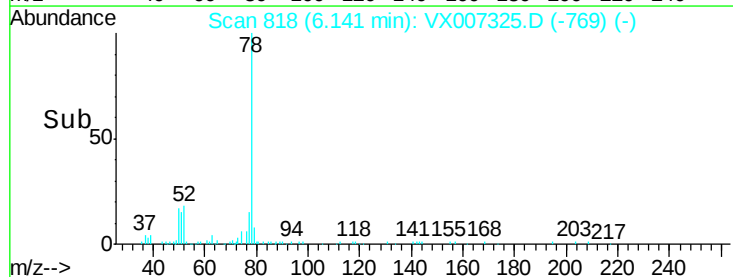
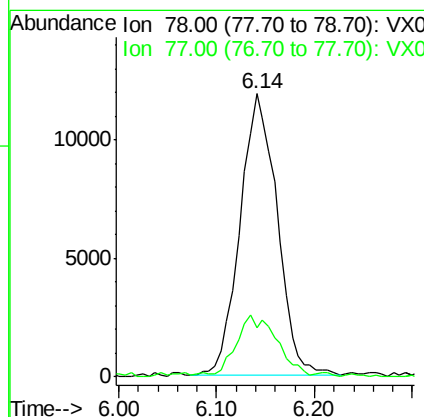
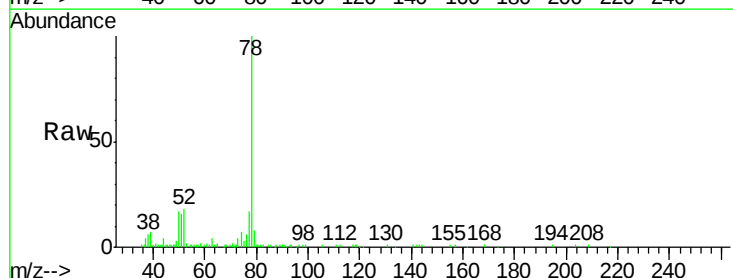
Manual Integrations
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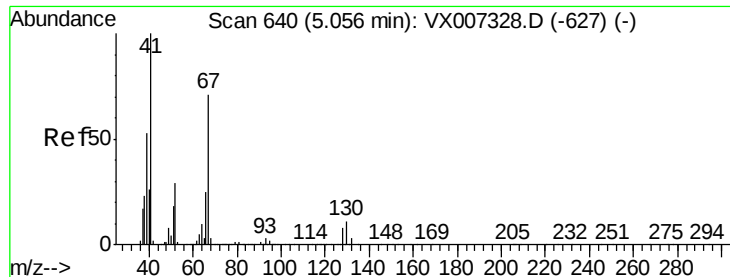
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#40
Benzene
Concen: 1.293 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	17.3	19.3	28.9#





#41

Methacrylonitrile

Concen: 1.303 ug/l

RT: 5.05 min Scan# 639

Delta R.T. -0.01 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Instrument :

MSVOA_X

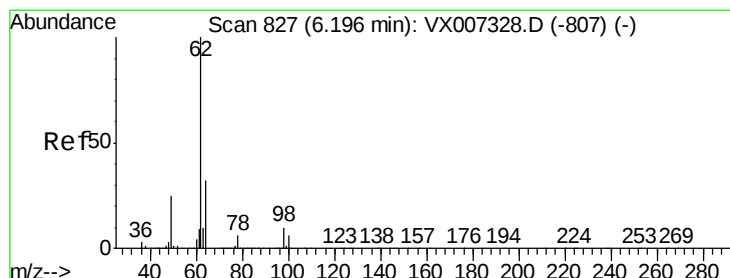
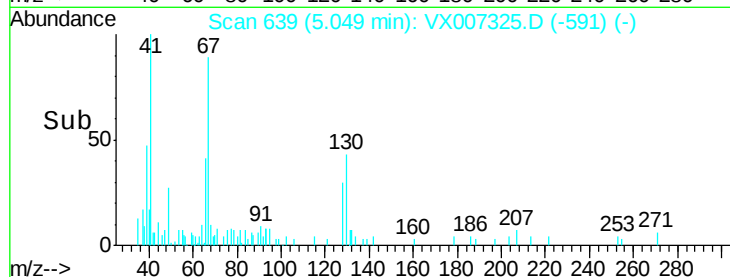
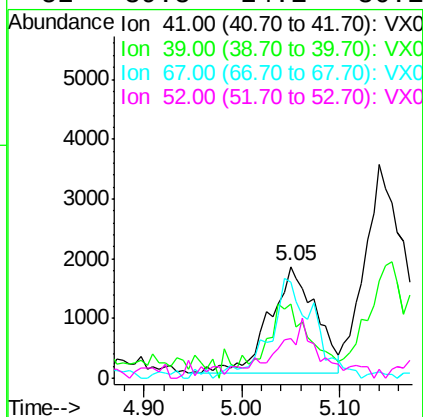
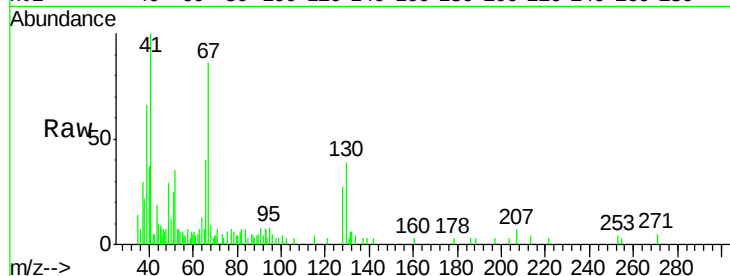
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
39	42.3	44.5	66.7#
67	84.4	60.4	90.6
52	39.8	24.1	36.1#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 1.280 ug/l

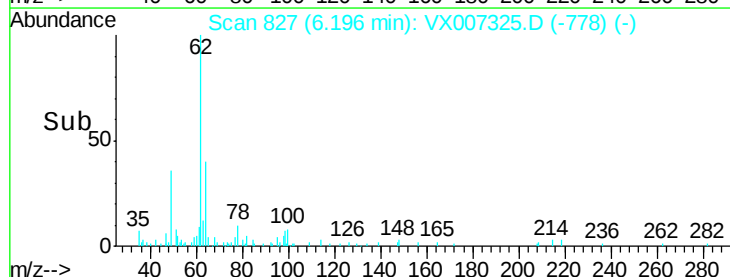
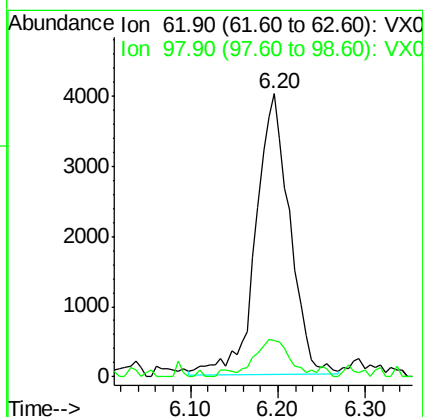
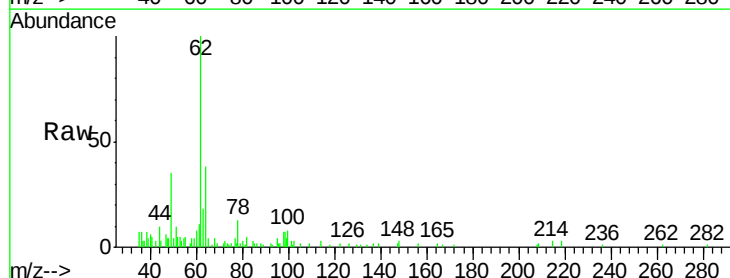
RT: 6.20 min Scan# 827

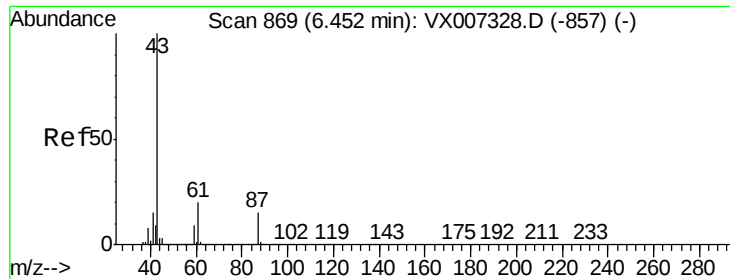
Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	13.7	0.0	19.0





#43

Isopropyl Acetate

Concen: 1.186 ug/l

RT: 6.45 min Scan# 869

Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Instrument :

MSVOA_X

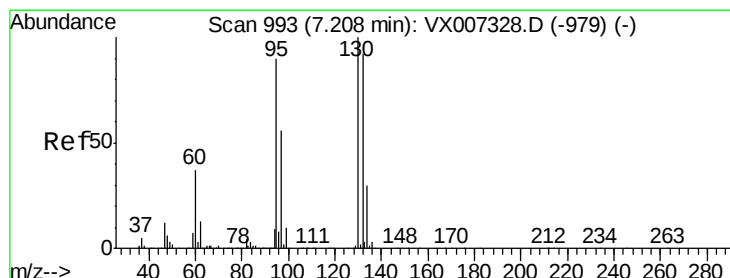
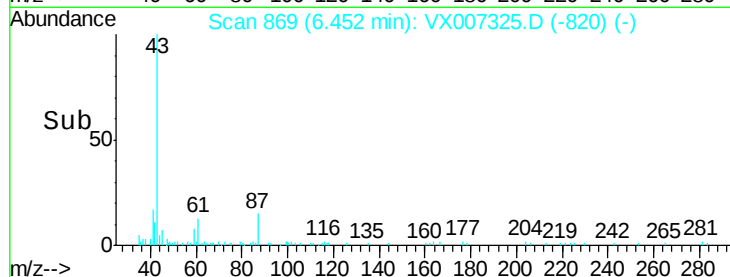
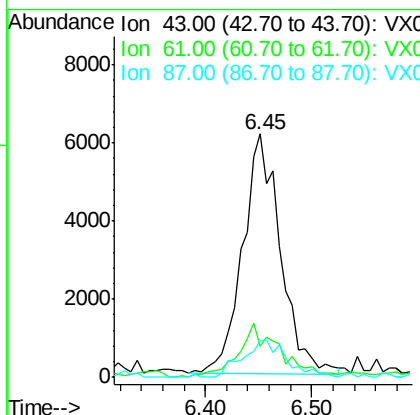
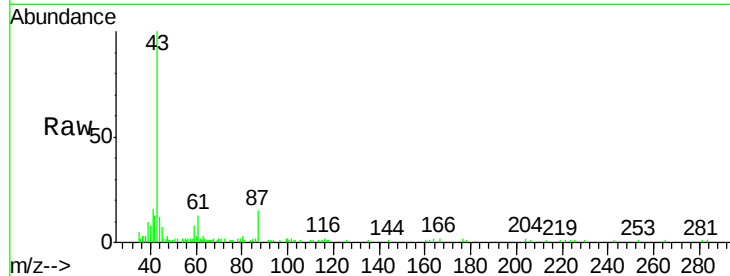
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	15303
Ion	Ratio	Lower	Upper
43	100		
61	24.6	16.1	24.1#
87	18.1	11.5	17.3#

Manual Integrations
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MMDadoda
2/4/2019 9:37:18 AM



#44

Trichloroethene

Concen: 1.361 ug/l

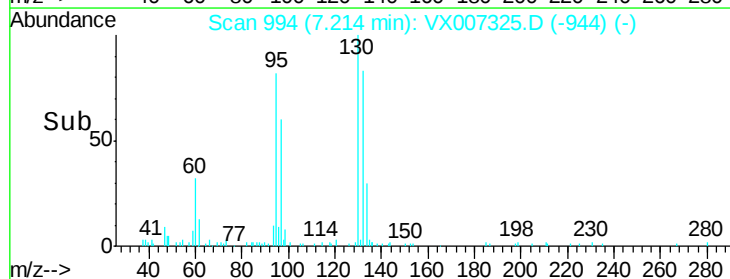
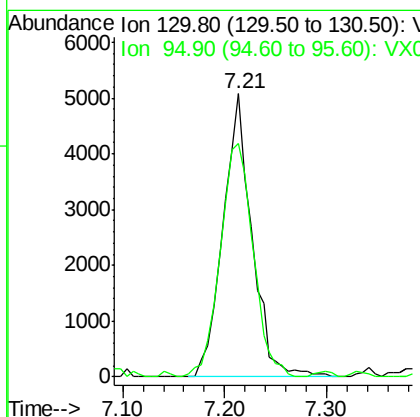
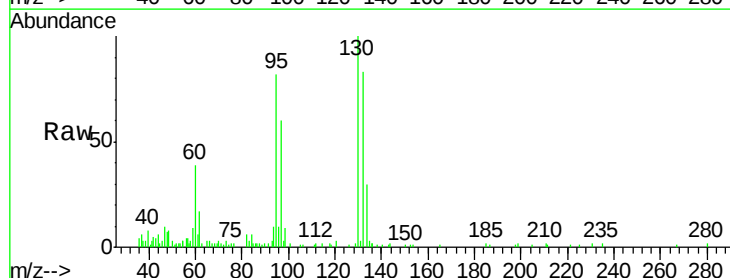
RT: 7.21 min Scan# 994

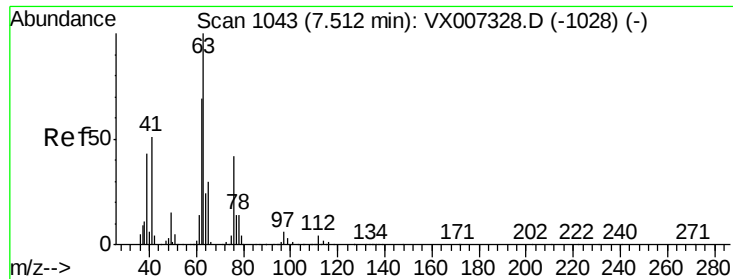
Delta R.T. 0.01 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Tgt Ion:	130	Resp:	9988
Ion	Ratio	Lower	Upper
130	100		
95	82.4	0.0	180.0





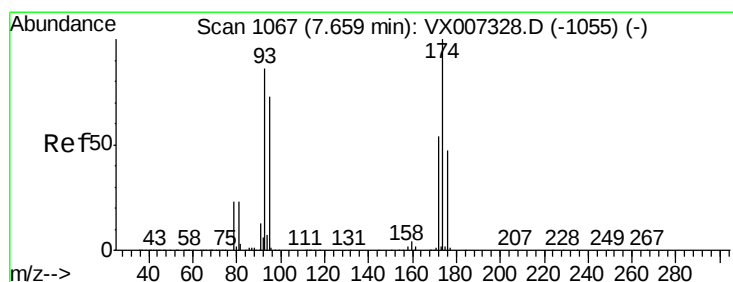
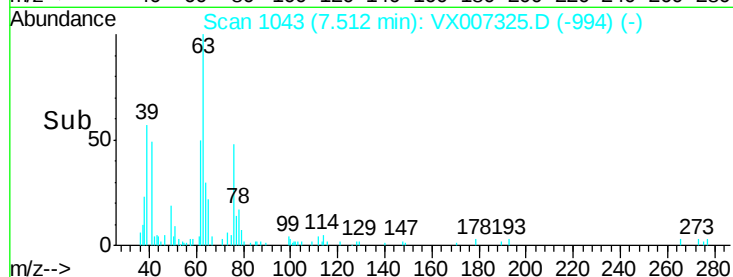
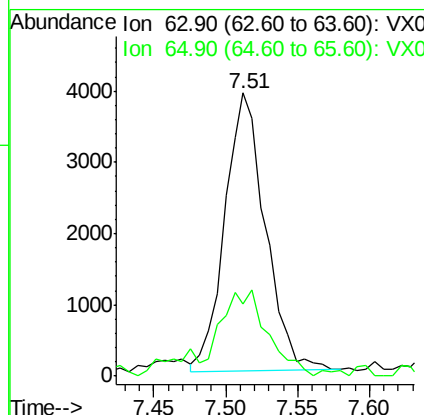
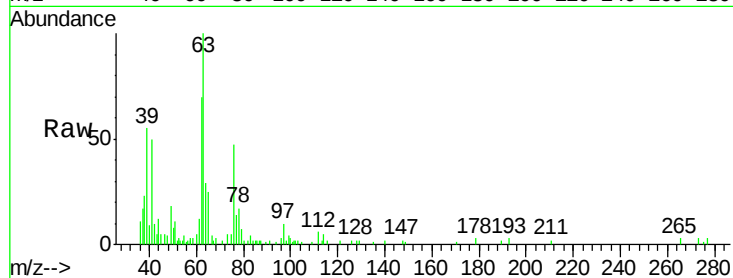
#45
 1,2-Dichloropropane
 Concen: 1.250 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX007325.D
 Acq: 01 Feb 2019 09:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion: 63 Resp: 7634
 Ion Ratio Lower Upper
 63 100
 65 24.1 24.2 36.2#

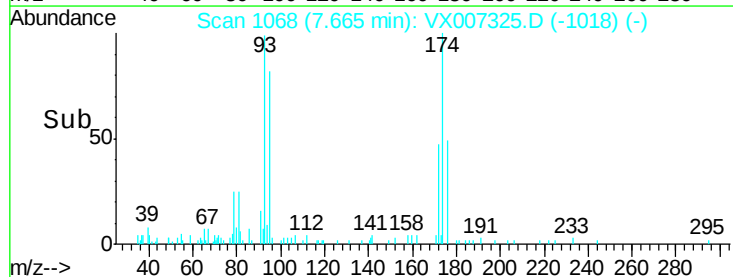
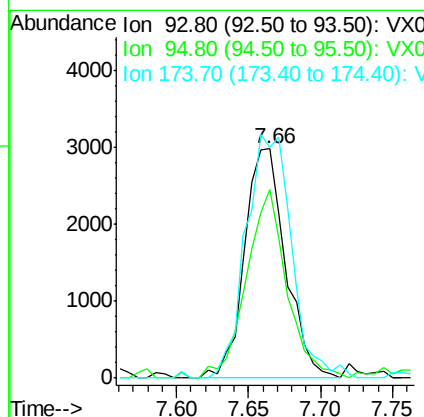
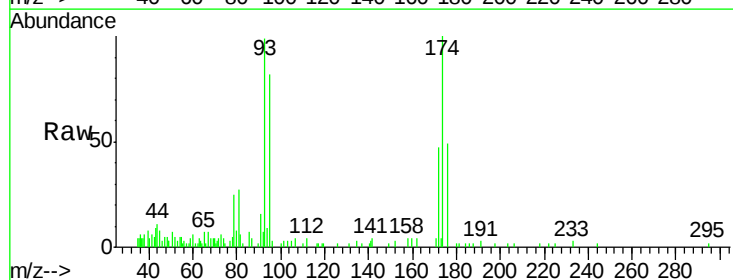
Manual Integrations
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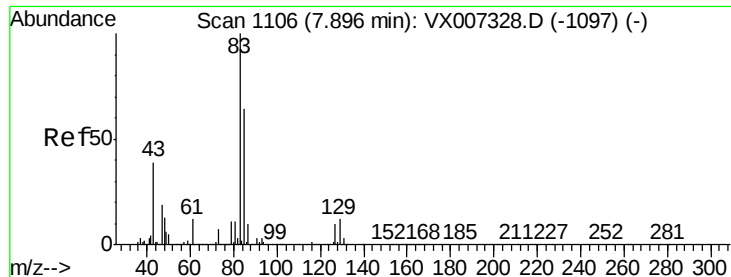
MMDadoda
 2/4/2019 9:37:18 AM



#46
 Dibromomethane
 Concen: 1.333 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX007325.D
 Acq: 01 Feb 2019 09:36

Tgt Ion: 93 Resp: 5913
 Ion Ratio Lower Upper
 93 100
 95 80.3 67.6 101.4
 174 117.8 94.2 141.4





#47

Bromodichloromethane

Concen: 1.247 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Instrument :

MSVOA_X

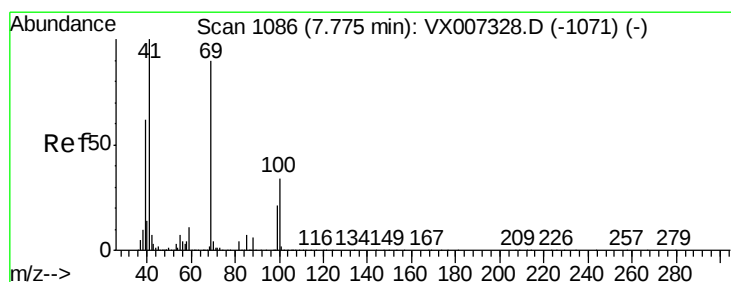
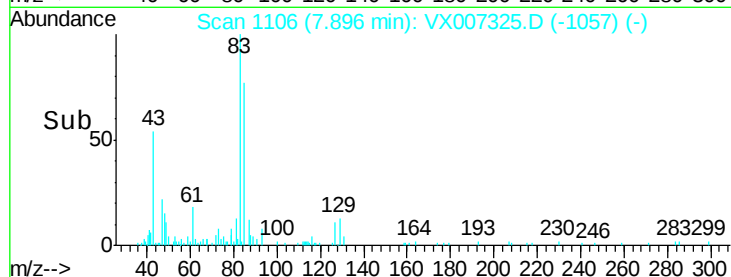
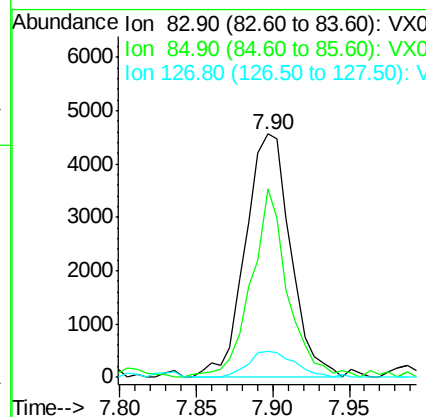
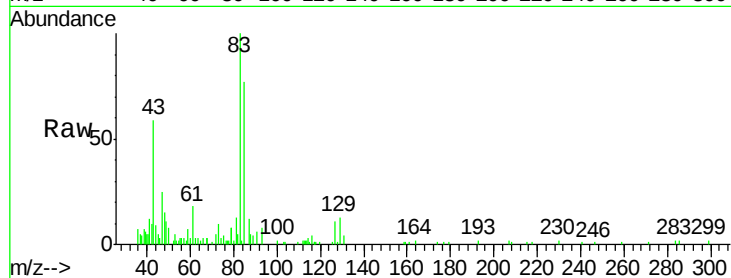
ClientSampleId :

VSTDIC001

Tot Ion:	83	Resp:	9381
Ion	Ratio	Lower	Upper
83	100		
85	76.2	51.4	77.0
127	10.6	8.1	12.1

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:37:18 AM



#48

Methyl methacrylate

Concen: 1.241 ug/l

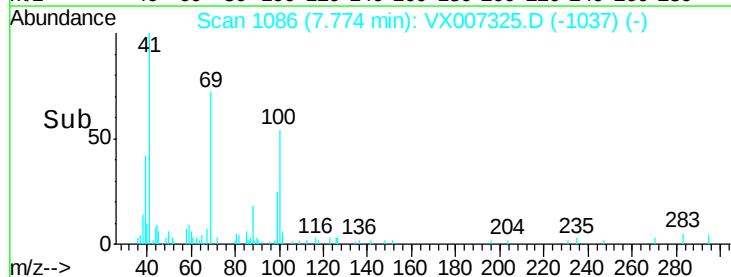
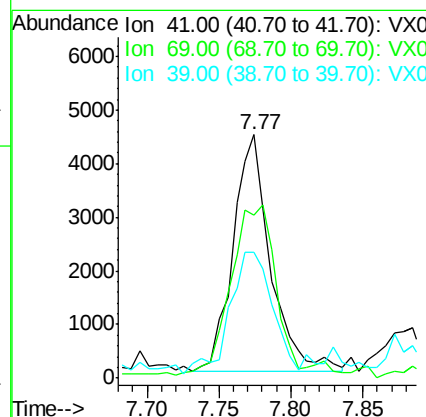
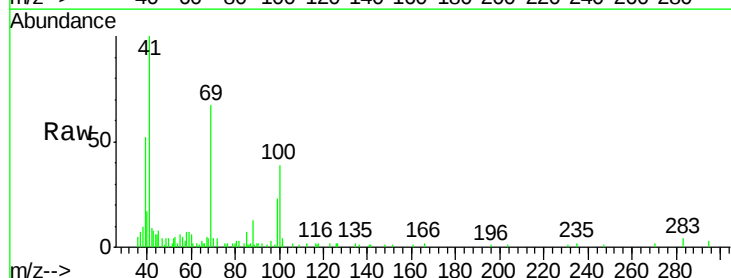
RT: 7.77 min Scan# 1086

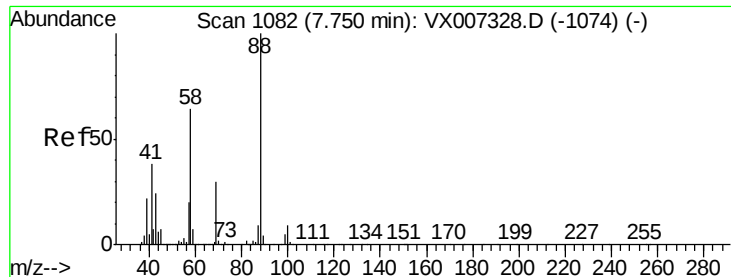
Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Tgt Ion:	41	Resp:	8012
Ion	Ratio	Lower	Upper
41	100		
69	88.9	70.2	105.4
39	58.0	47.4	71.0





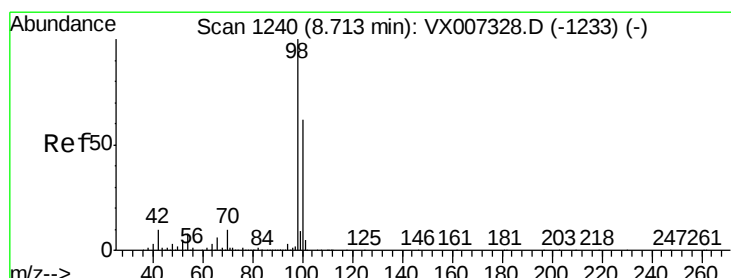
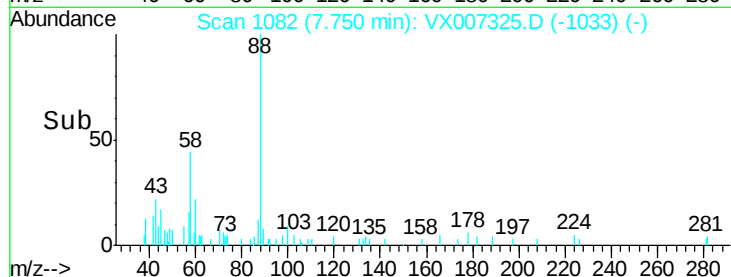
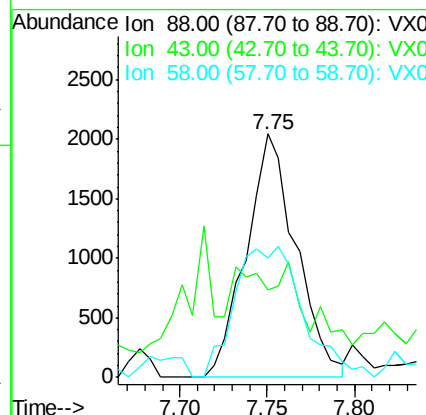
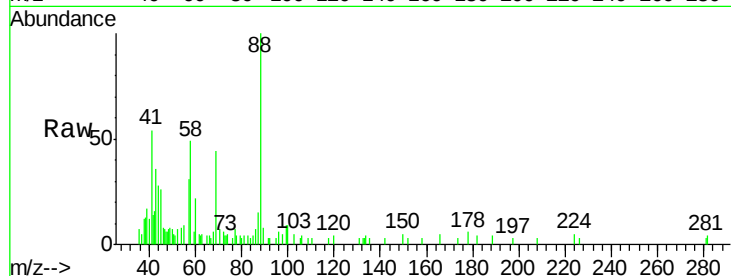
#49
1,4-Dioxane
Concen: 25.218 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	24.2	36.4#
58	73.7	53.0	79.4

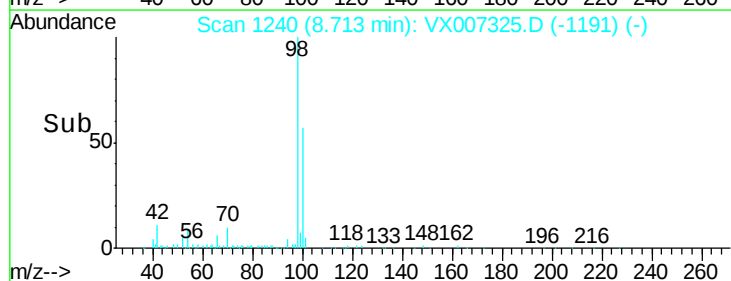
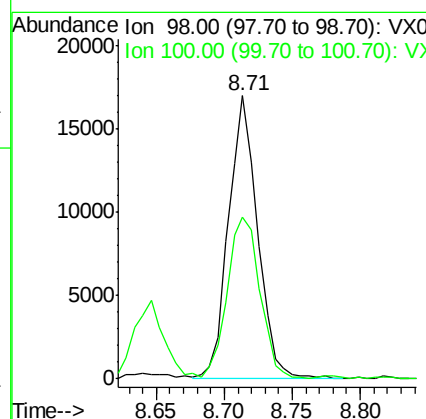
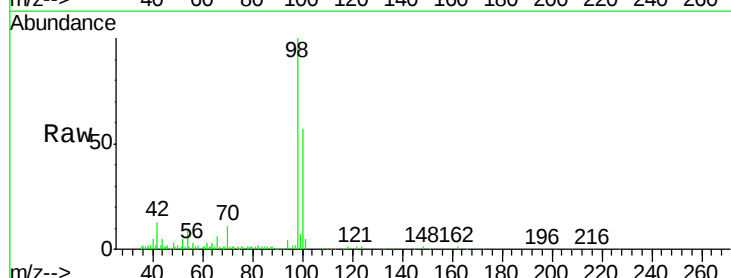
Manual Integrations
APPROVED

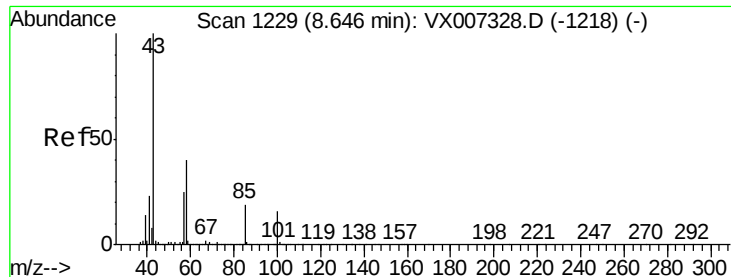
MMDadoda
2/4/2019 9:37:18 AM



#50
Toluene-d8
Concen: 1.140 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4





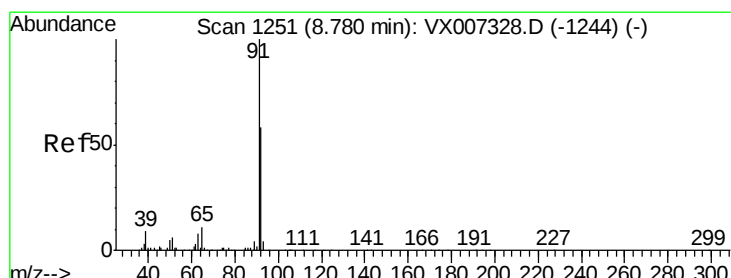
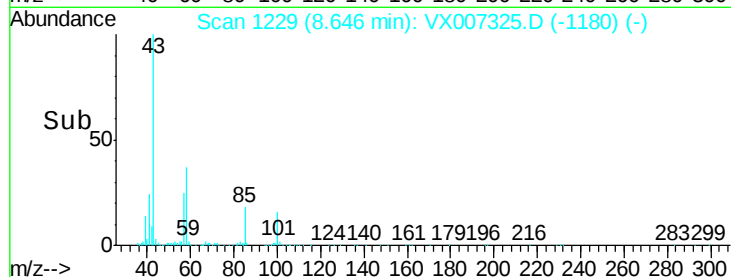
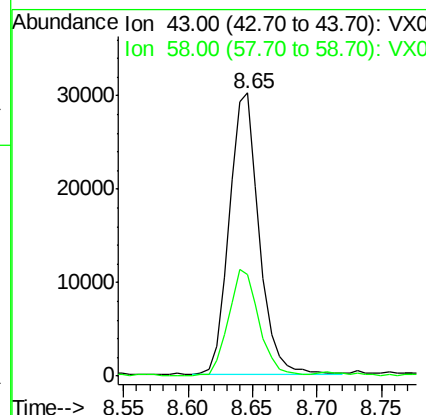
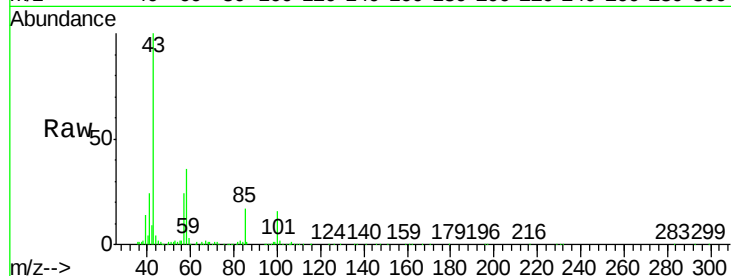
#51
4-Methyl-2-Pentanone
Concen: 5.745 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.4	31.2	46.8

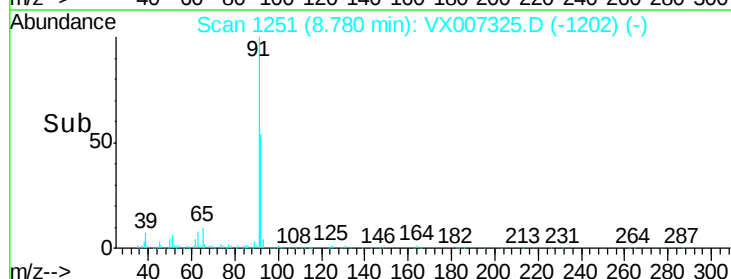
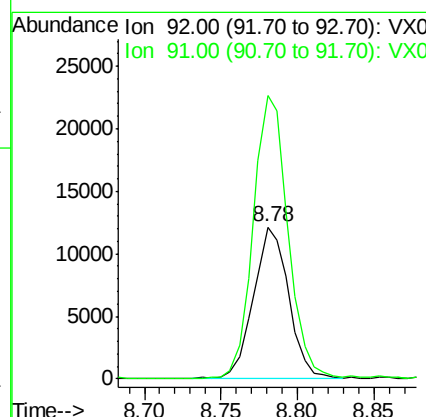
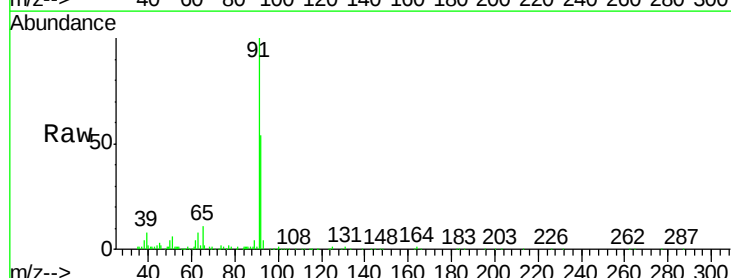
Manual Integrations
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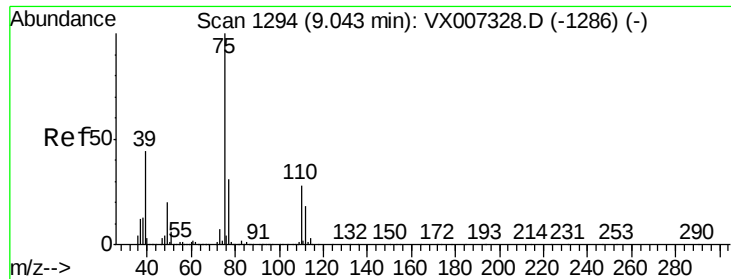
MMDadoda
2/4/2019 9:37:18 AM



#52
Toluene
Concen: 1.237 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tgt Ion	Ratio	Lower	Upper
92	100		
91	185.3	139.1	208.7





#53

t-1,3-Dichloropropene

Concen: 0.972 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 7851

Ion Ratio Lower Upper

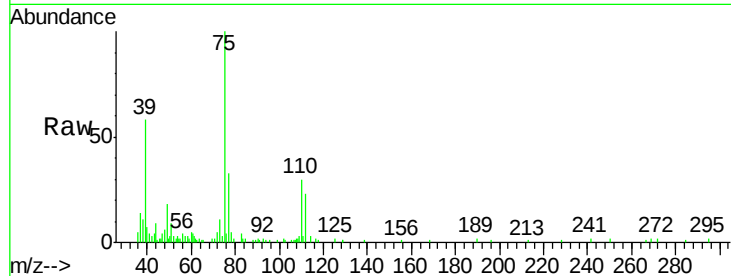
75 100

77 33.4 25.2 37.8

Manual Integrations
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MMDadoda

2/4/2019 9:37:18 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

6000

5000

4000

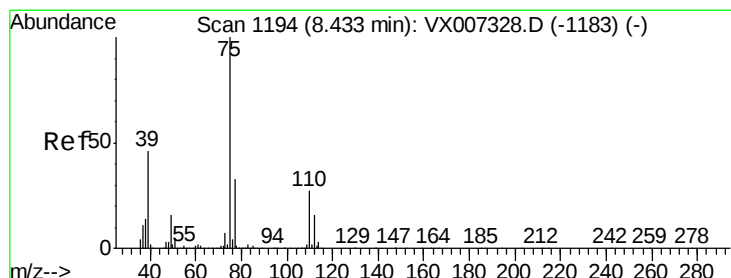
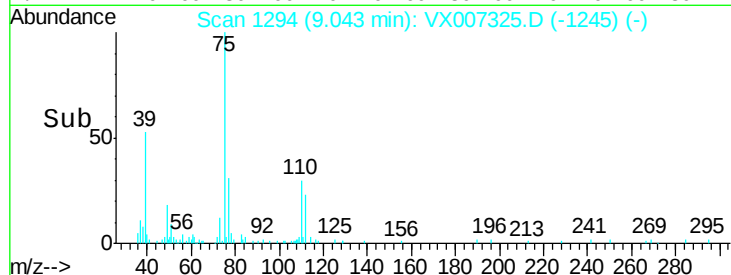
3000

2000

1000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 1.074 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

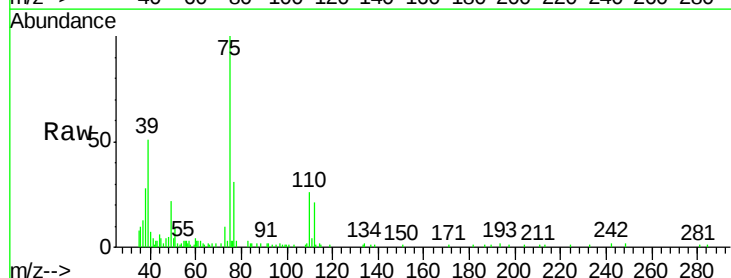
Tgt Ion: 75 Resp: 9541

Ion Ratio Lower Upper

75 100

77 29.5 26.2 39.4

39 45.8 37.1 55.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43

8000

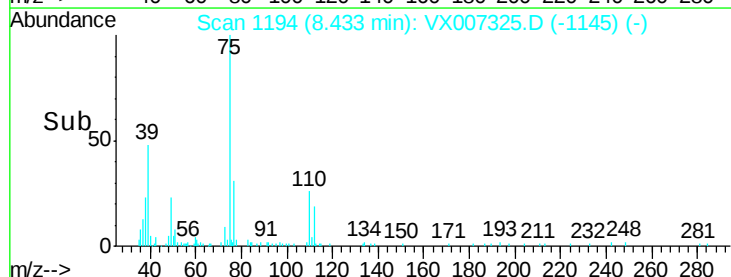
6000

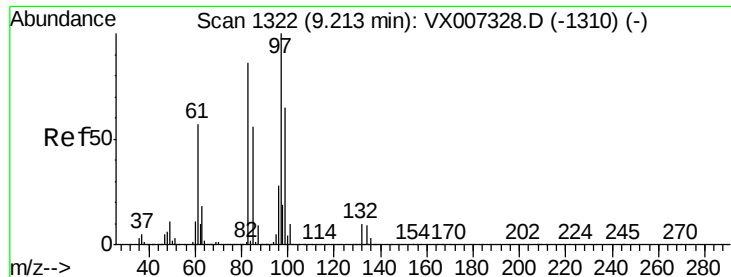
4000

2000

0

Time-->





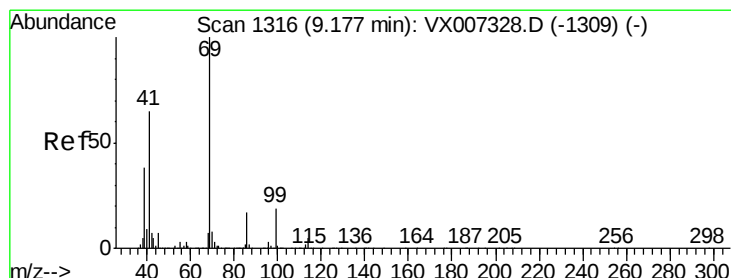
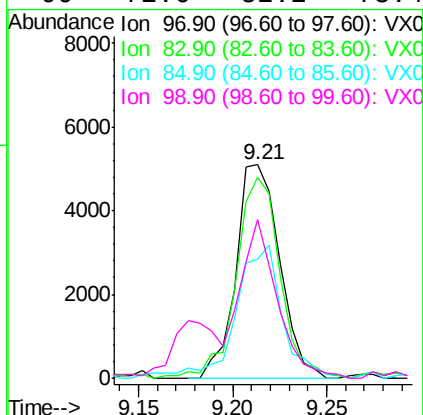
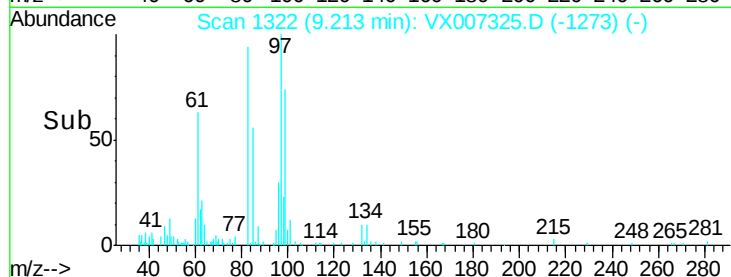
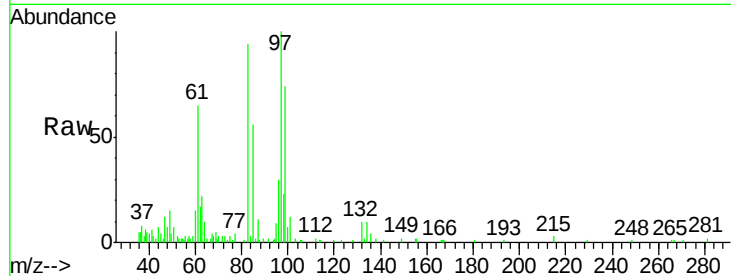
#55
1,1,2-Trichloroethane
Concen: 1.248 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		8176		
83	92.8	68.6	102.8		
85	53.7	44.5	66.7		
99	72.6	52.2	78.4		

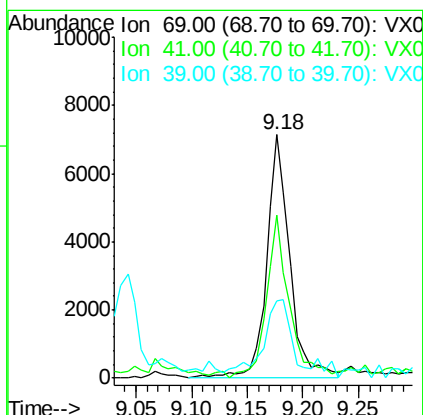
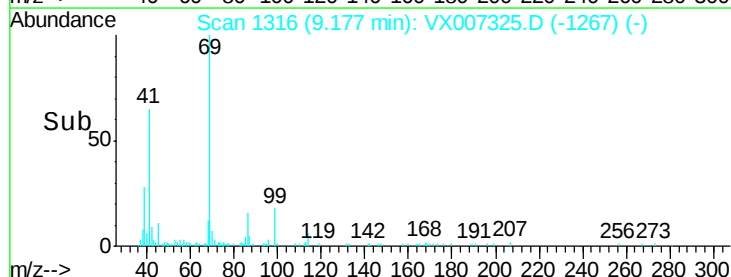
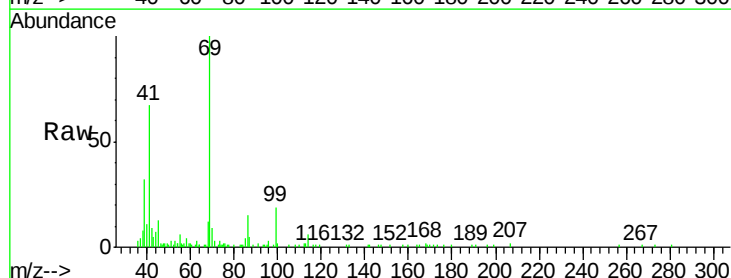
Manual Integrations
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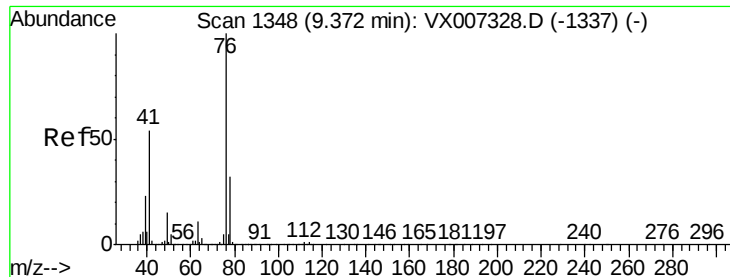
MMDadoda
2/4/2019 9:37:18 AM



#56
Ethyl methacrylate
Concen: 1.146 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		10400		
41	66.4	52.1	78.1		
39	34.8	30.1	45.1		





#57

1,3-Dichloropropane

Concen: 1.350 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 76 Resp: 14068

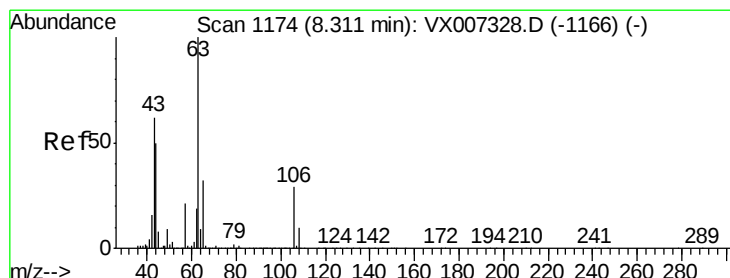
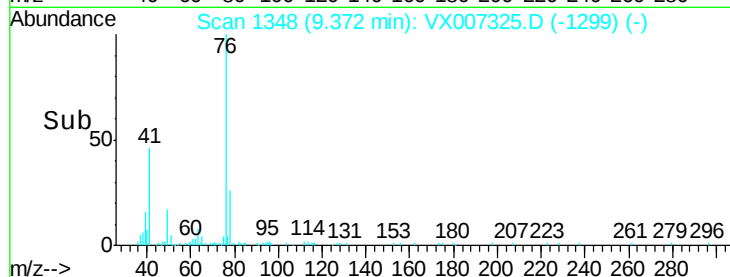
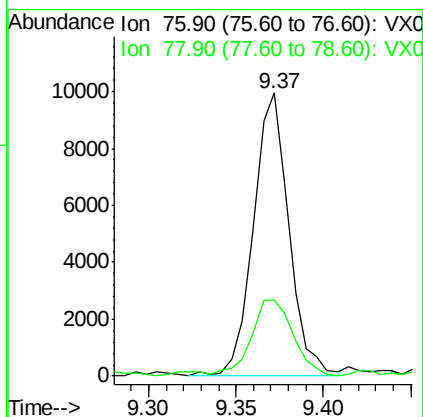
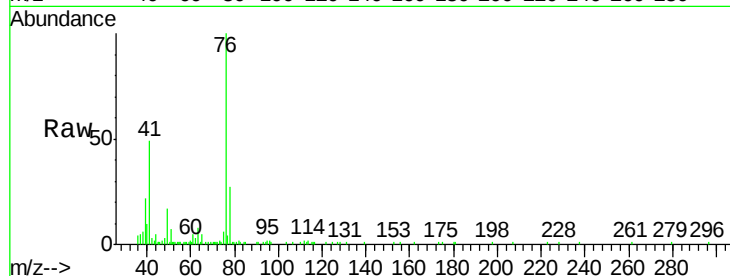
Ion Ratio Lower Upper

76 100

78 31.8 25.8 38.8

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:37:18 AM



#58

2-Chloroethyl Vinyl ether

Concen: 6.042 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007325.D

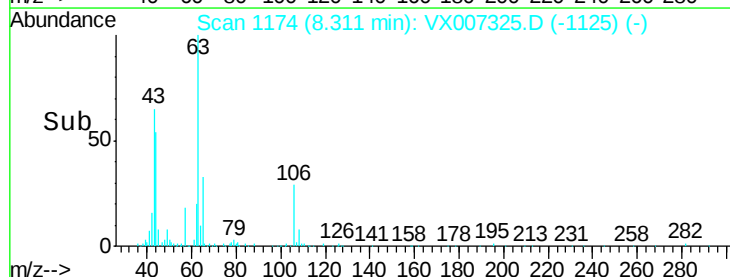
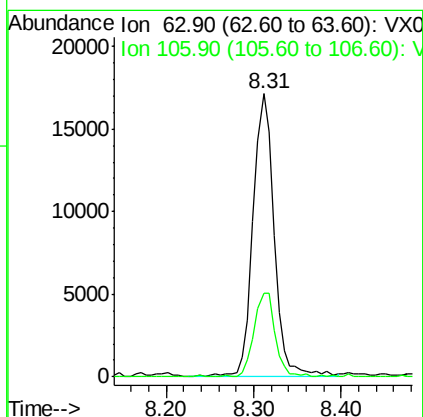
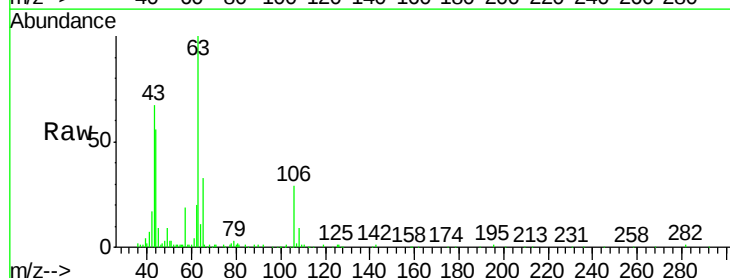
Acq: 01 Feb 2019 09:36

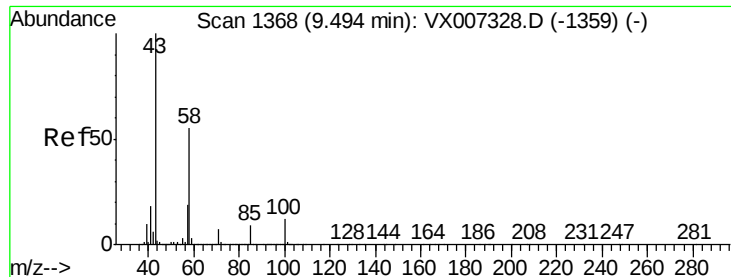
Tgt Ion: 63 Resp: 28906

Ion Ratio Lower Upper

63 100

106 29.8 23.6 35.4





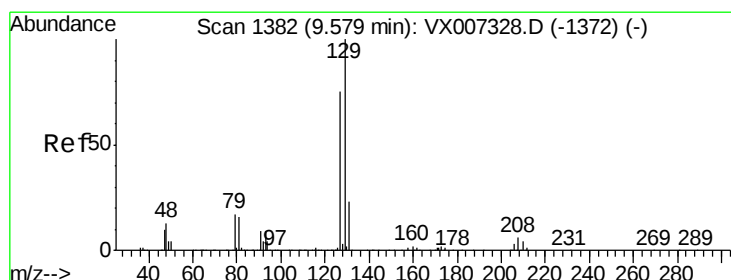
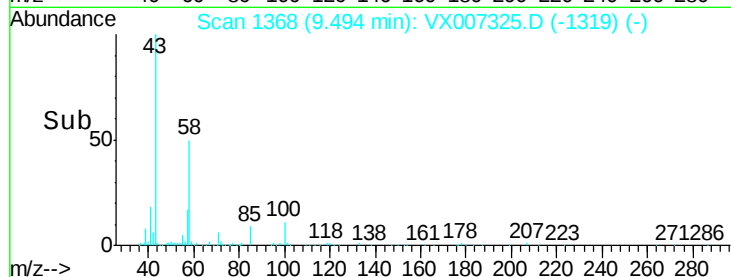
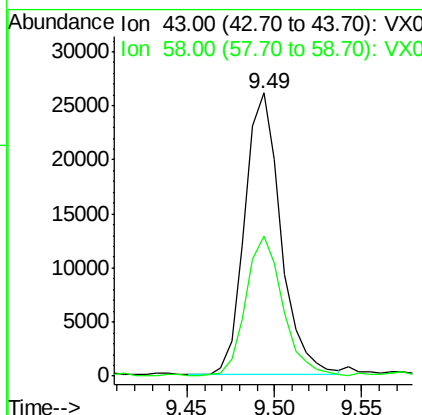
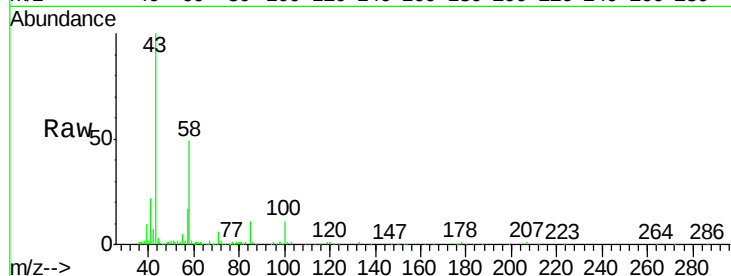
#59
2-Hexanone
Concen: 5.617 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.3	27.1	81.3

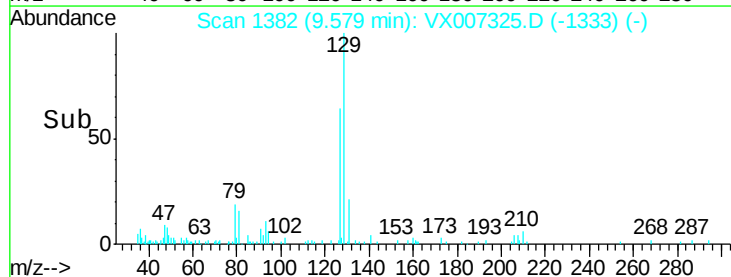
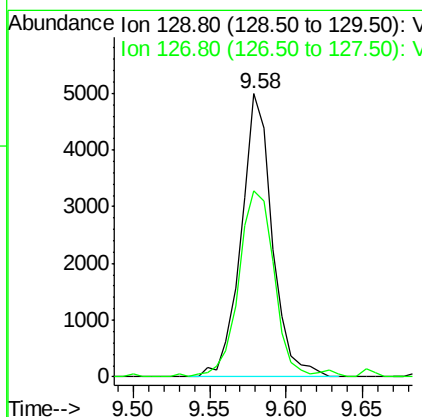
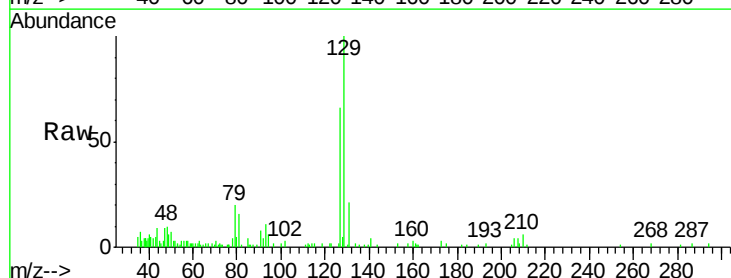
Manual Integrations
APPROVED

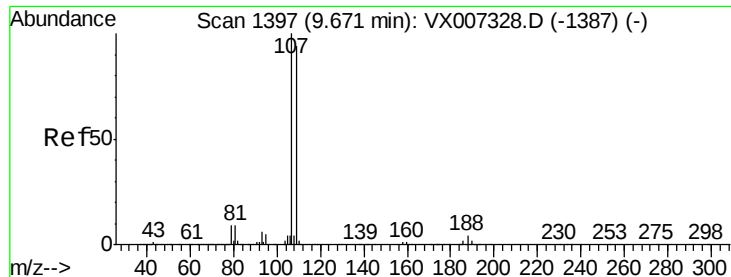
MMDadoda
2/4/2019 9:37:18 AM



#60
Dibromochloromethane
Concen: 1.134 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.8	37.8	113.4





#61

1,2-Dibromoethane

Concen: 1.203 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 107 Resp: 8352

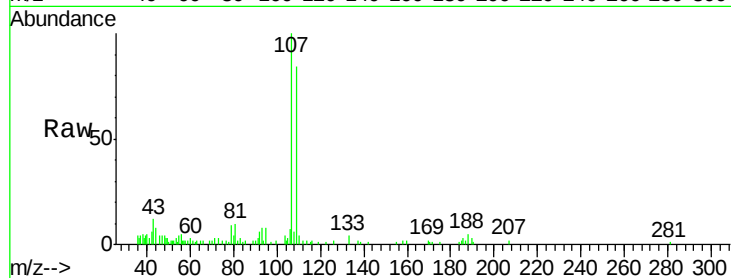
Ion Ratio Lower Upper

107 100

109 96.8 75.1 112.7

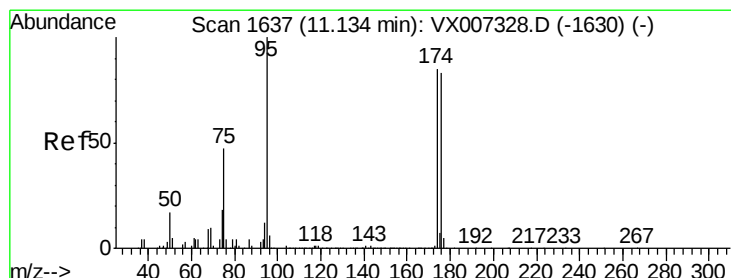
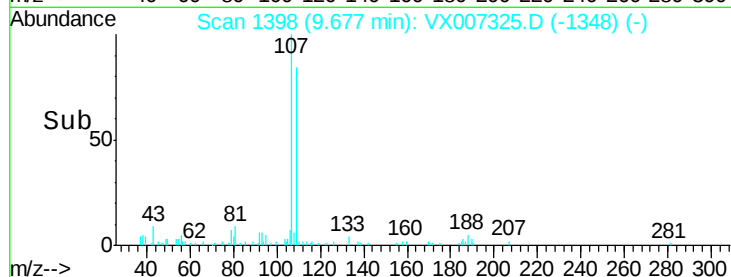
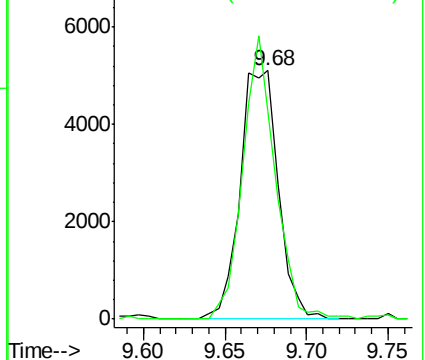
Manual Integrations
APPROVED

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 1.107 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

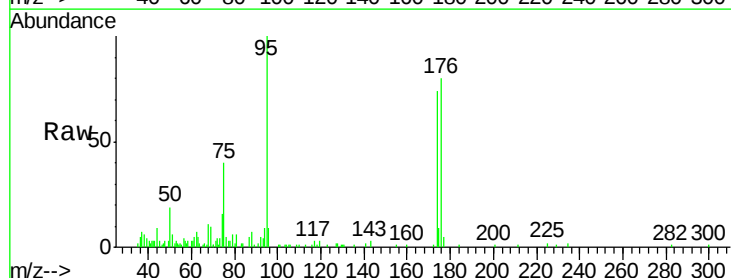
Tgt Ion: 95 Resp: 8996

Ion Ratio Lower Upper

95 100

174 88.7 0.0 189.2

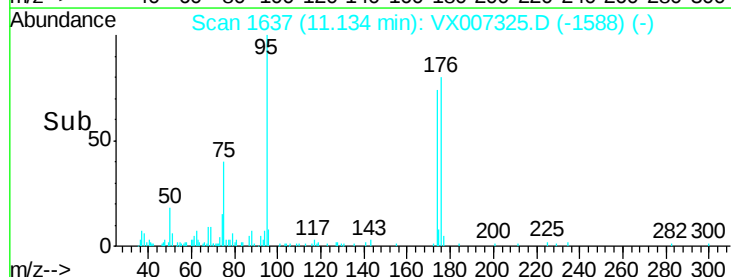
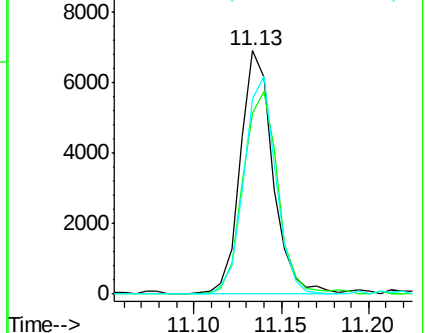
176 86.6 0.0 186.2

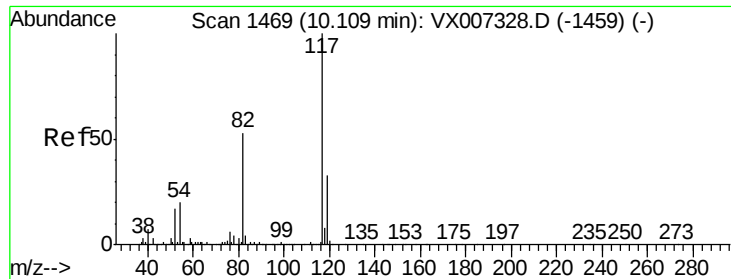


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





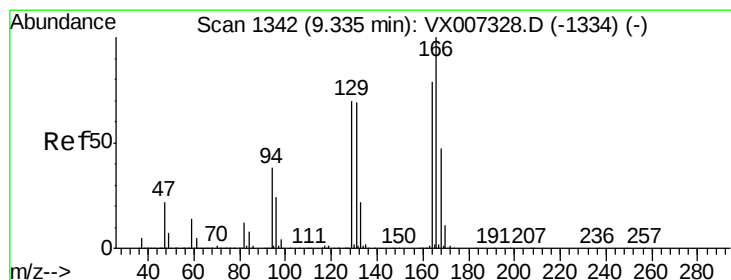
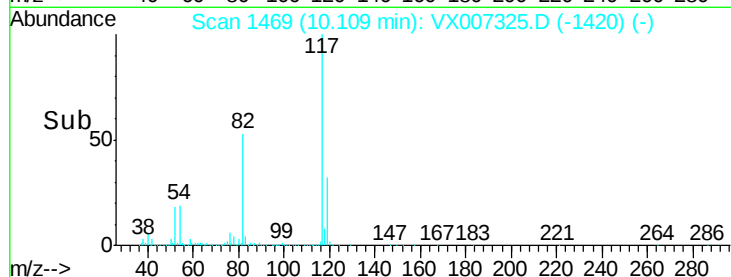
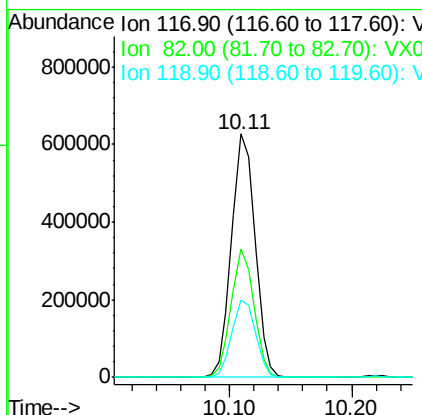
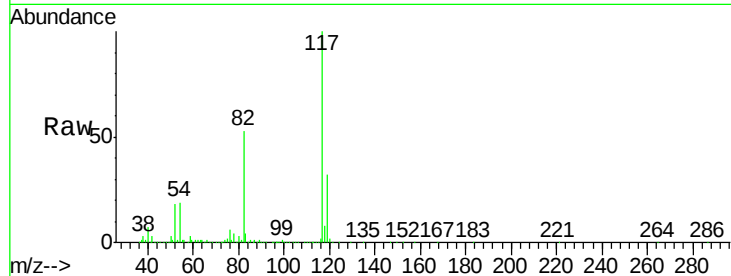
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.1	63.1
119	31.6	26.5	39.7

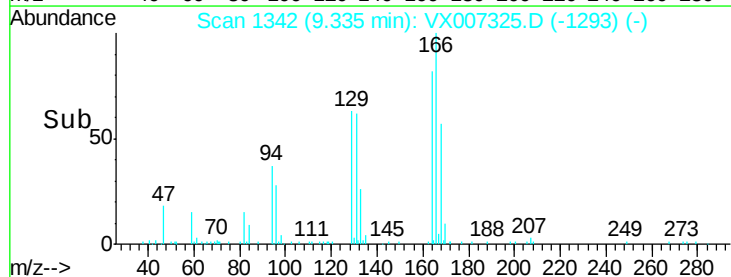
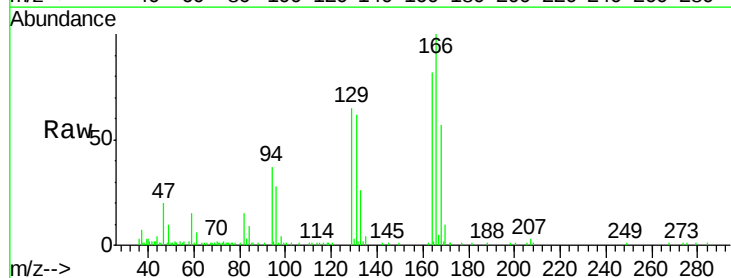
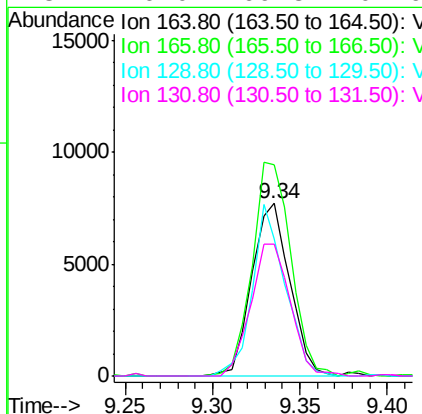
Manual Integrations
APPROVED

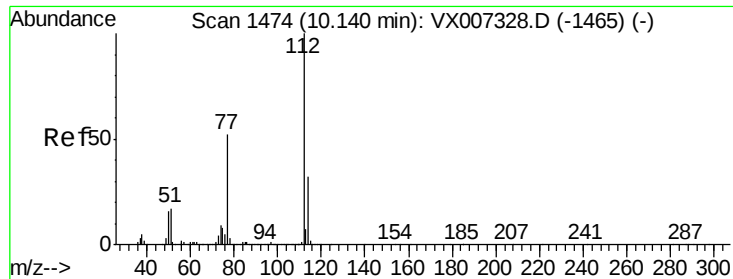
MMDadoda
2/4/2019 9:37:18 AM



#64
Tetrachloroethene
Concen: 1.479 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.3	101.0	151.4
129	79.2	70.5	105.7
131	76.0	69.8	104.6





#65

Chlorobenzene

Concen: 1.319 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:112 Resp: 24071

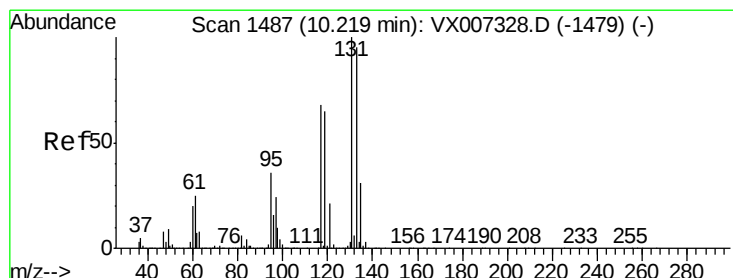
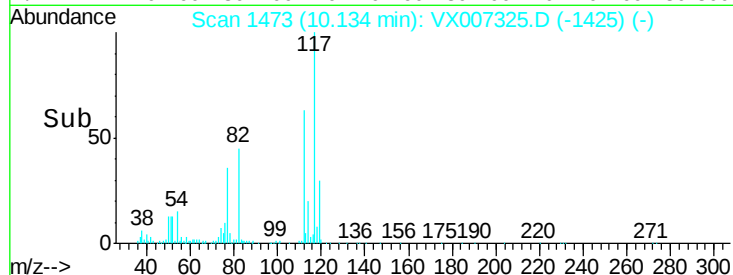
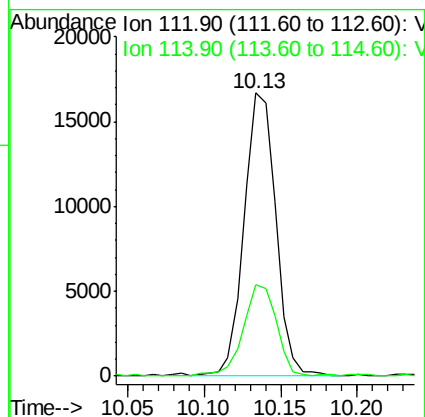
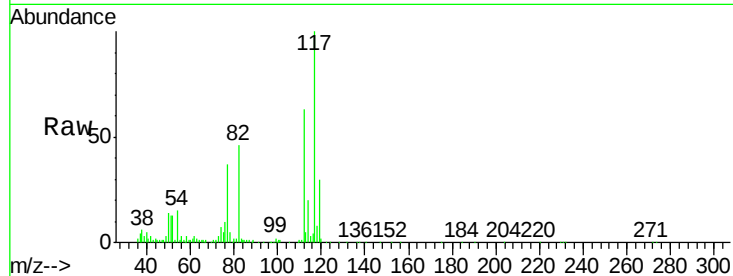
Ion Ratio Lower Upper

112 100

114 31.9 25.8 38.6

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 1.203 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

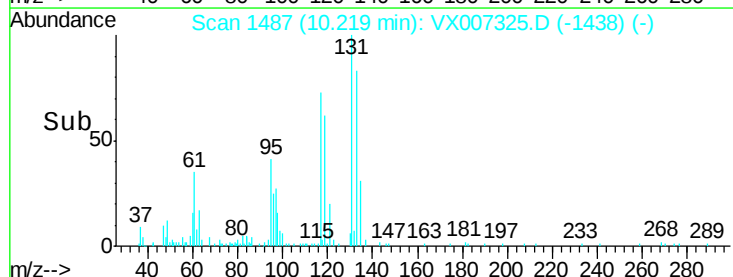
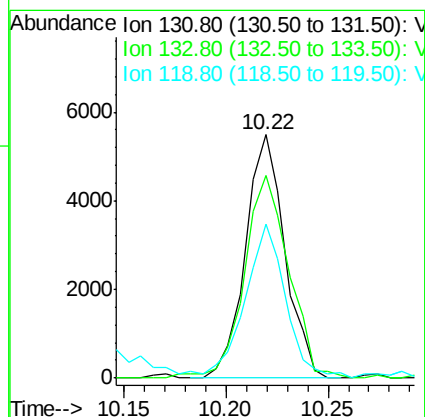
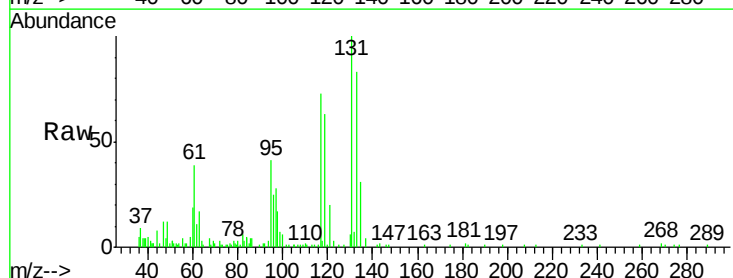
Tgt Ion:131 Resp: 7359

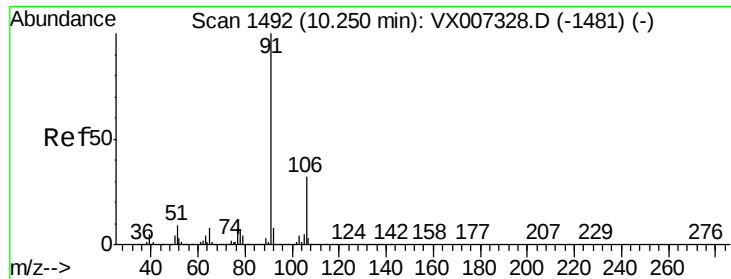
Ion Ratio Lower Upper

131 100

133 94.0 48.0 144.2

119 0.0 32.0 96.0#





#67

Ethyl Benzene

Concen: 1.237 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 36351

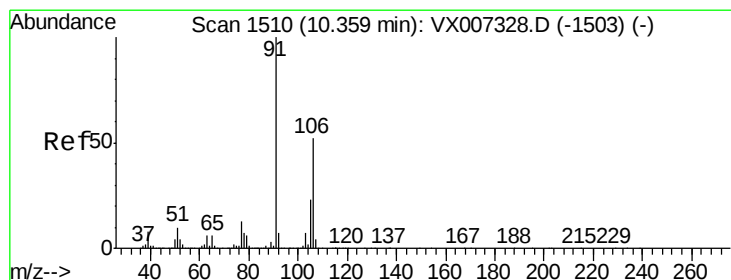
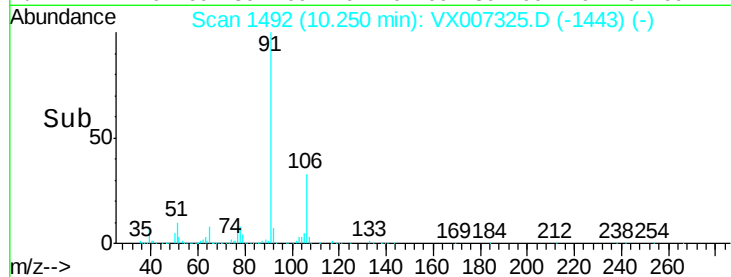
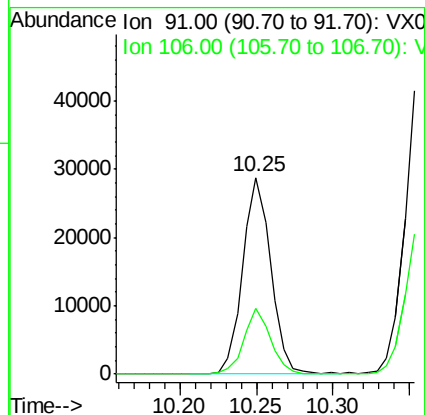
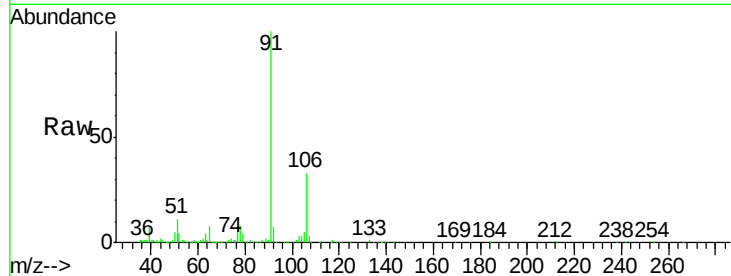
Ion Ratio Lower Upper

91 100

106 33.3 25.4 38.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 2.544 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007325.D

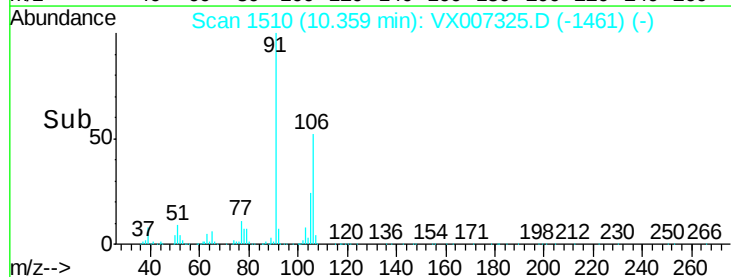
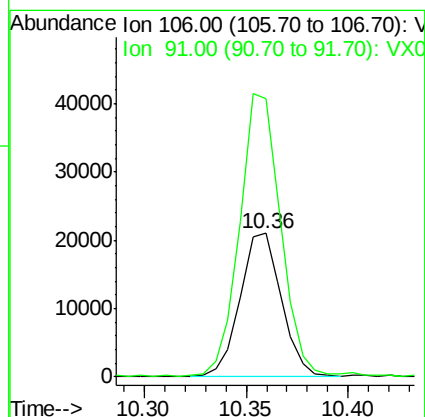
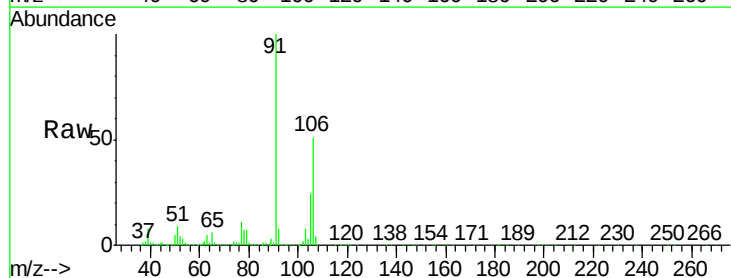
Acq: 01 Feb 2019 09:36

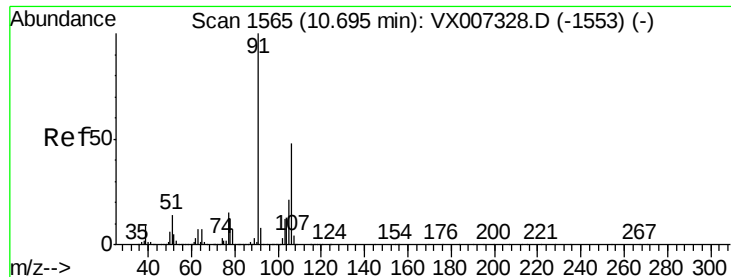
Tgt Ion: 106 Resp: 29724

Ion Ratio Lower Upper

106 100

91 194.1 156.6 234.8





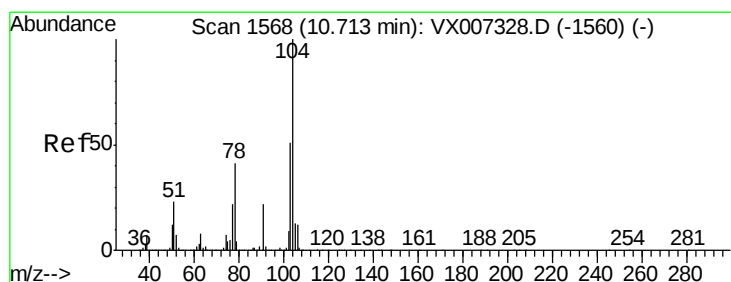
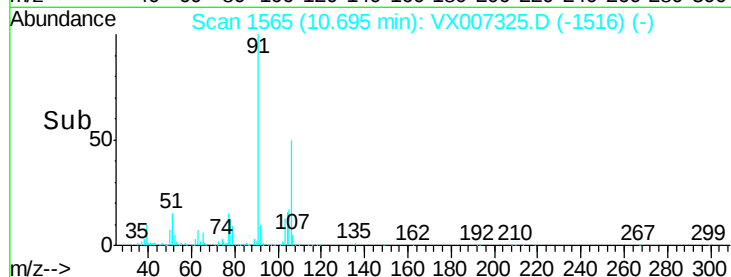
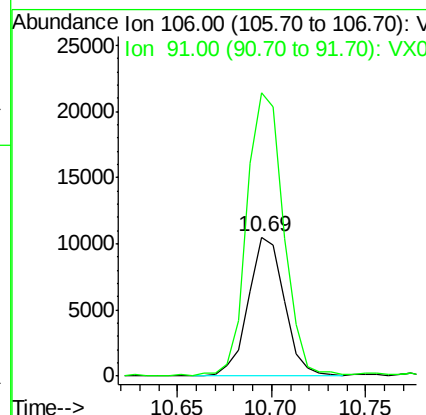
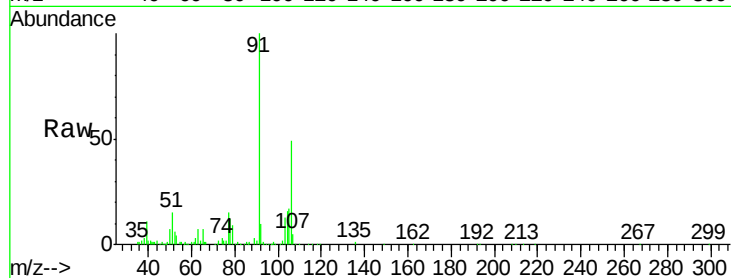
#69
o-Xylene
Concen: 1.243 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.8	102.9	308.7

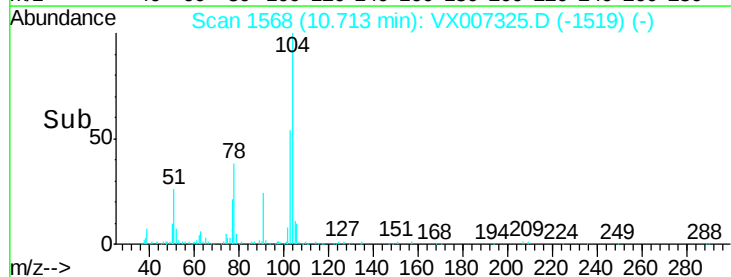
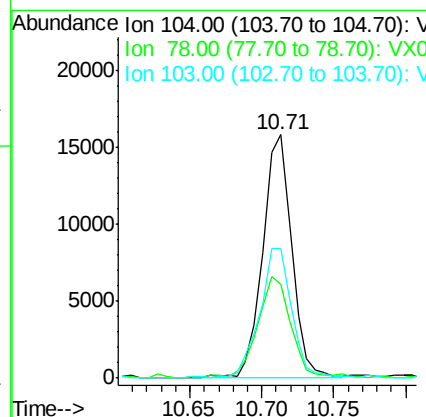
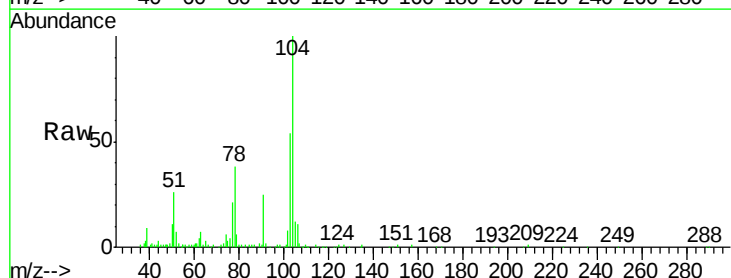
Manual Integrations
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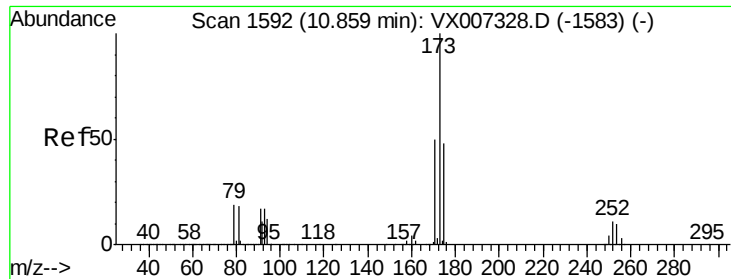
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#70
Styrene
Concen: 1.208 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.9	38.3	57.5
103	57.7	44.6	67.0





#71

Bromoform

Concen: 1.000 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Instrument :

MSVOA_X

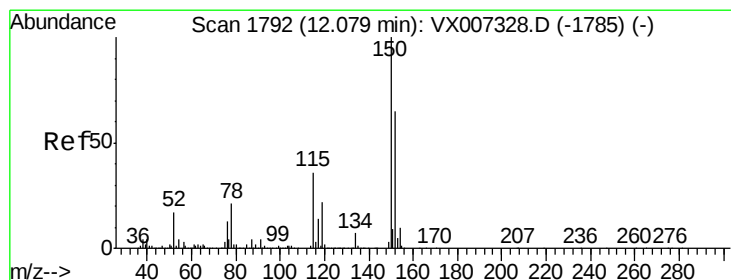
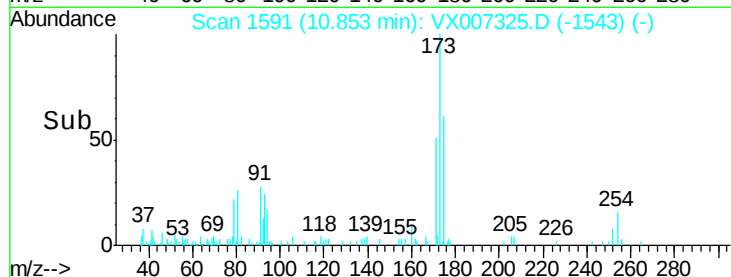
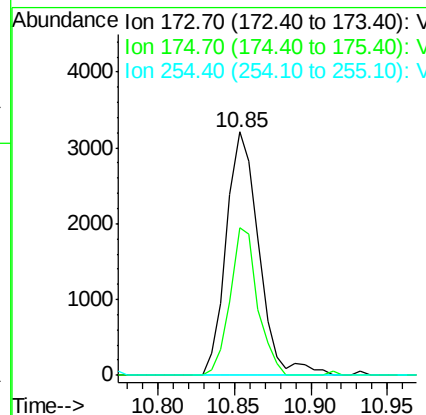
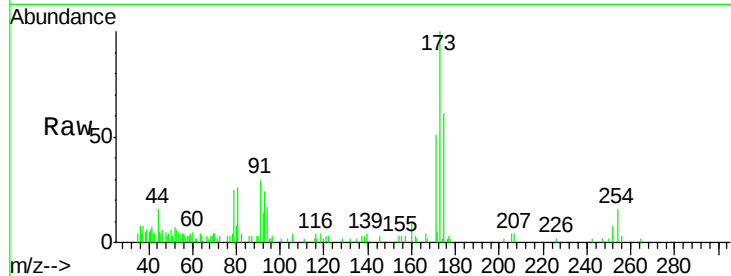
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.3	24.2	72.6
254	0.0	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

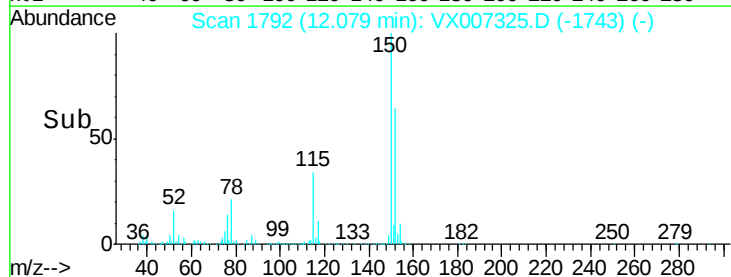
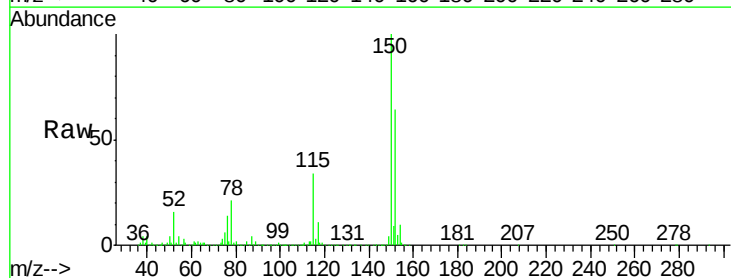
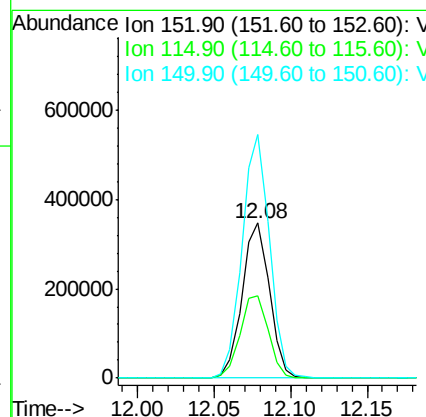
RT: 12.08 min Scan# 1792

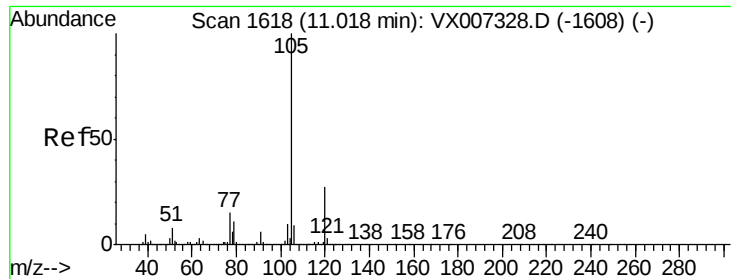
Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	38.0	114.0
150	156.7	0.0	346.4





#73

Isopropylbenzene

Concen: 1.256 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 36786

Ion Ratio Lower Upper

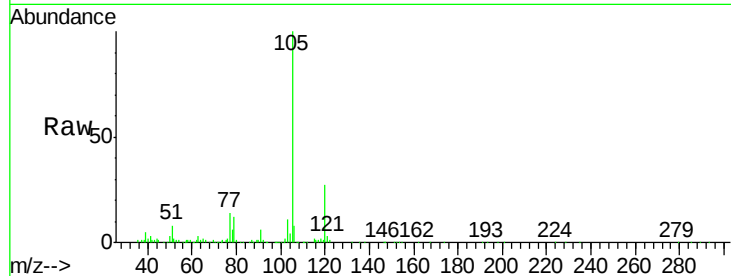
105 100

120 27.7 13.6 40.7

Manual Integrations
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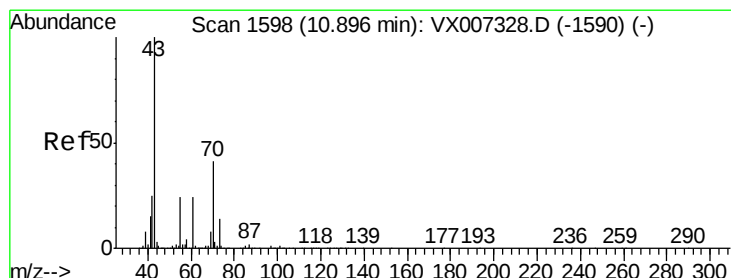
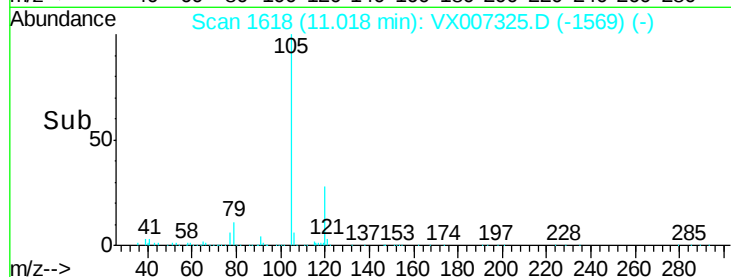
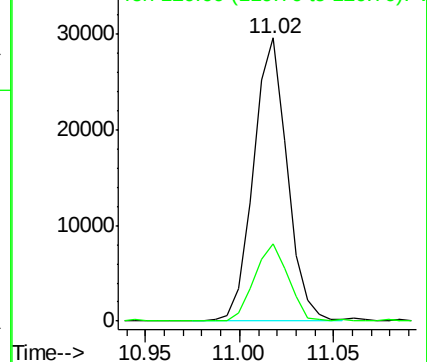
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 1.073 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Tgt Ion: 43 Resp: 12161

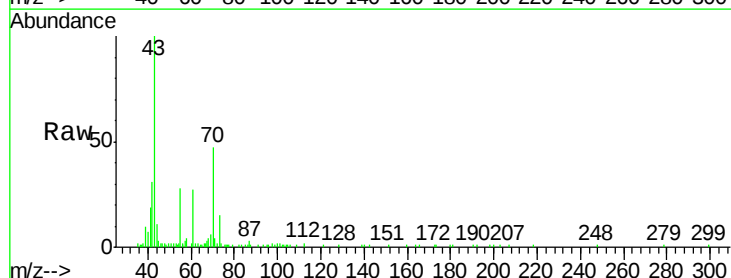
Ion Ratio Lower Upper

43 100

70 50.2 33.8 50.6

55 27.9 19.5 29.3

61 24.4 19.4 29.2

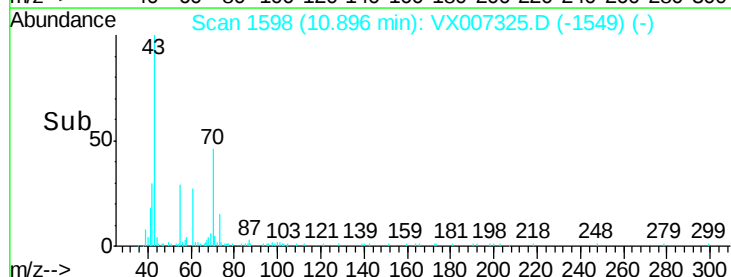
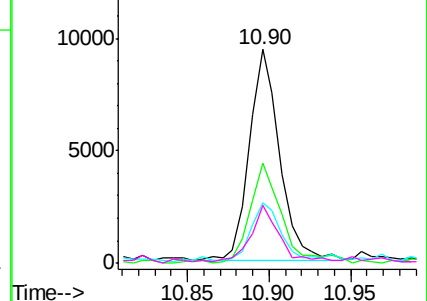


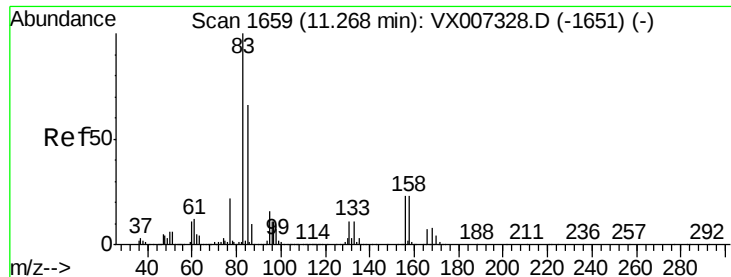
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 1.253 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Instrument :

MSVOA_X

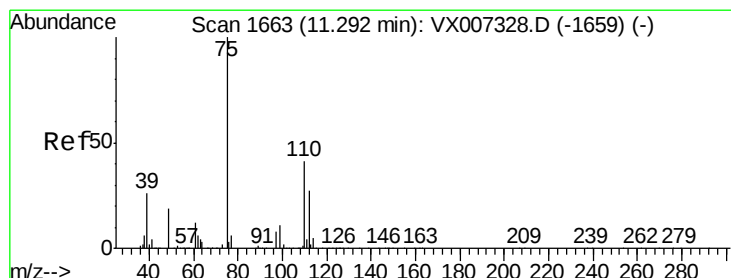
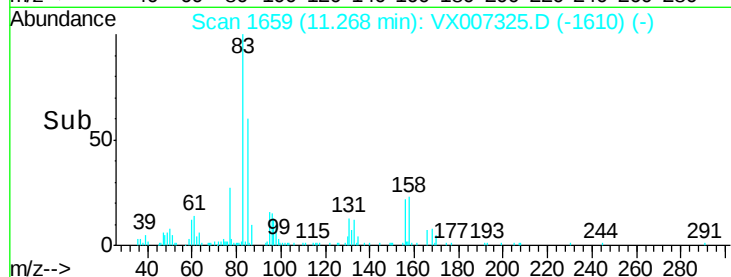
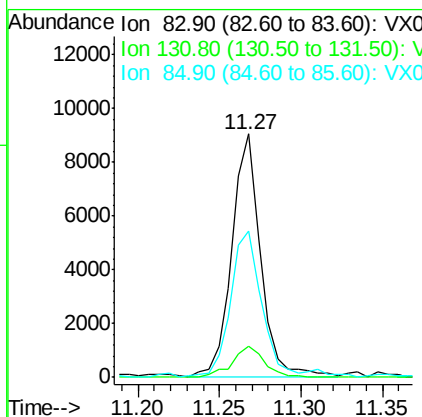
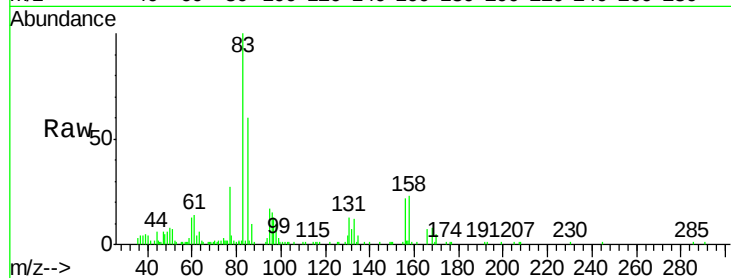
ClientSampleId :

VSTDIC001

Tot Ion:	83	Resp:	11185
Ion Ratio	Lower	Upper	
83	100		
131	14.1	5.7	17.0
85	64.9	32.8	98.3

Manual Integrations
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2/4/2019 9:37:18 AM



#76

1,2,3-Trichloropropane

Concen: 1.132 ug/l m

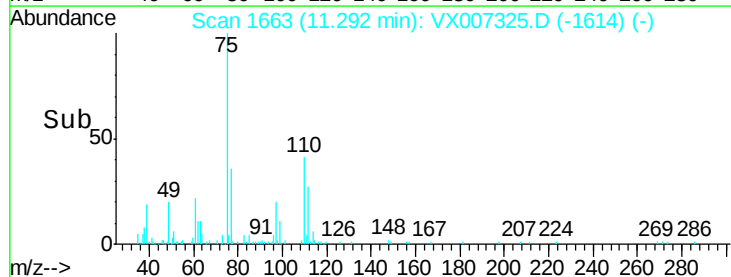
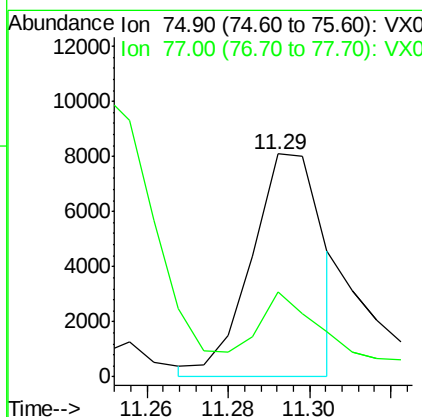
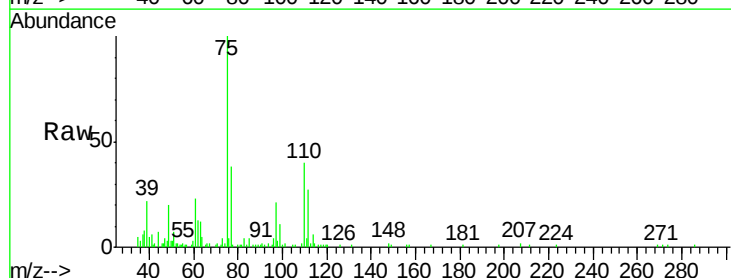
RT: 11.29 min Scan# 1663

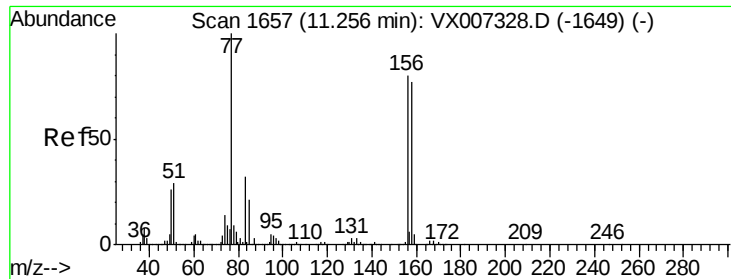
Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Tgt Ion:	75	Resp:	9891
Ion Ratio	Lower	Upper	
75	100		
77	40.9	23.0	69.0





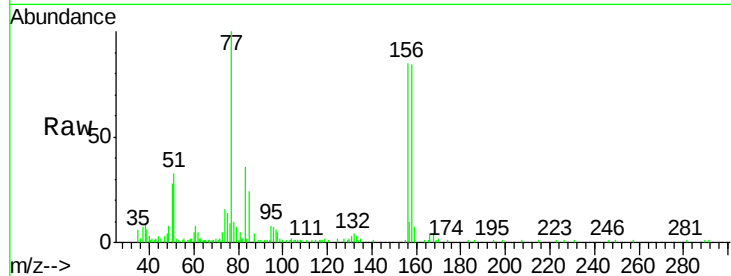
#77
Bromobenzene
Concen: 1.297 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

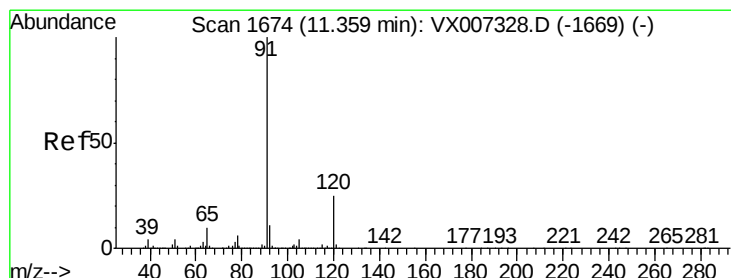
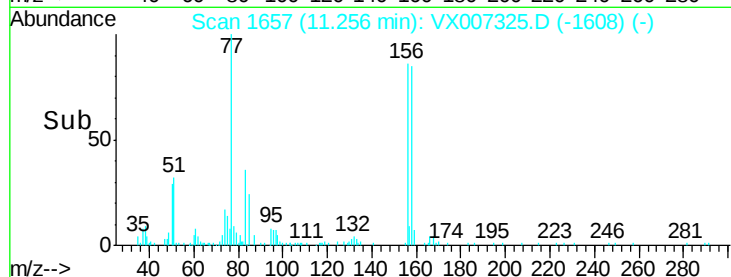
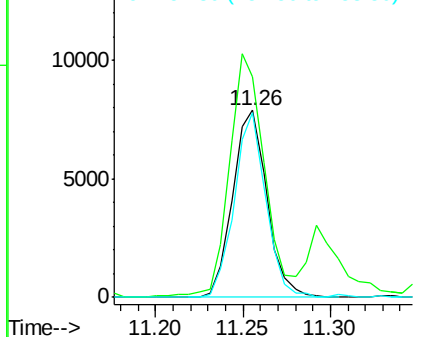
Tot Ion	Ratio	Lower	Upper
156	100		
77	134.4	66.8	200.6
158	91.2	47.9	143.8

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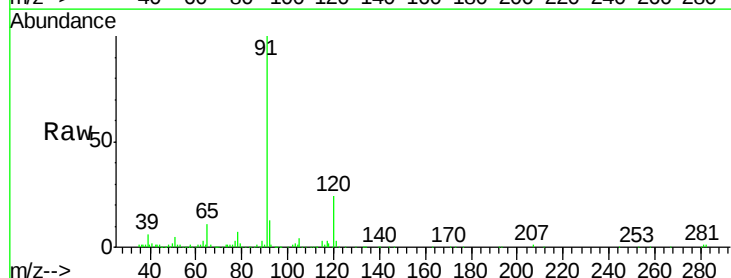


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V

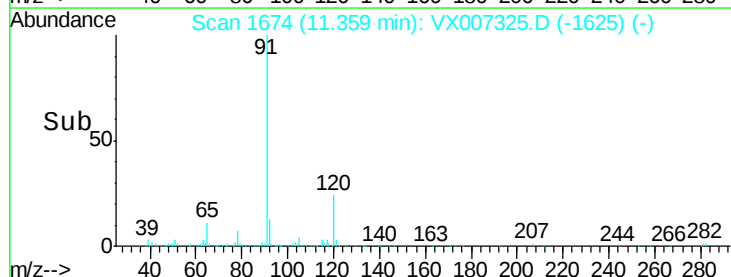
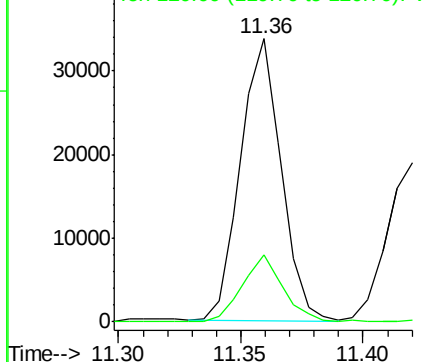


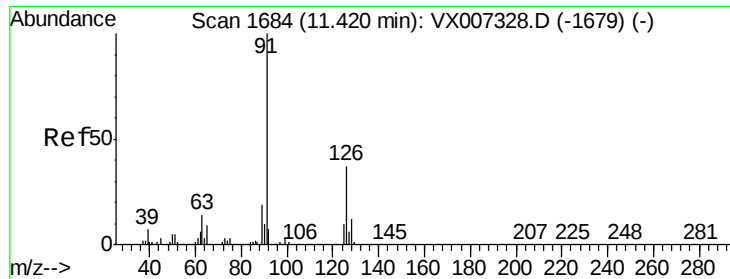
#78
n-propylbenzene
Concen: 1.217 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	12.4	37.2



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





#79

2-Chlorotoluene

Concen: 1.232 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 24009

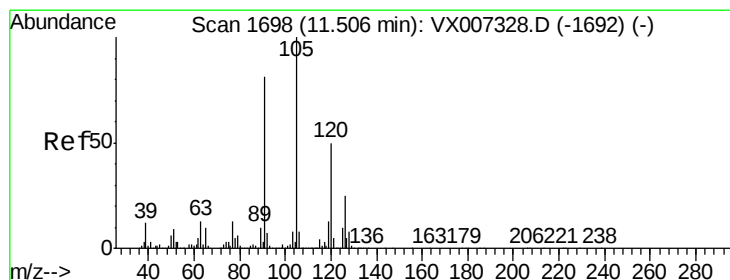
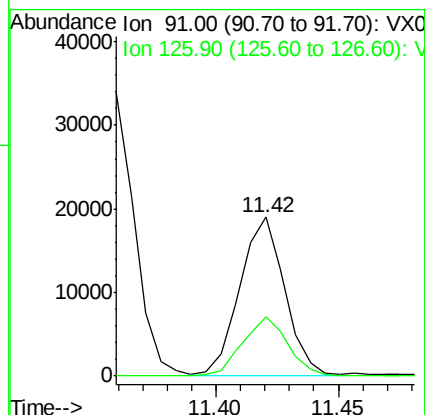
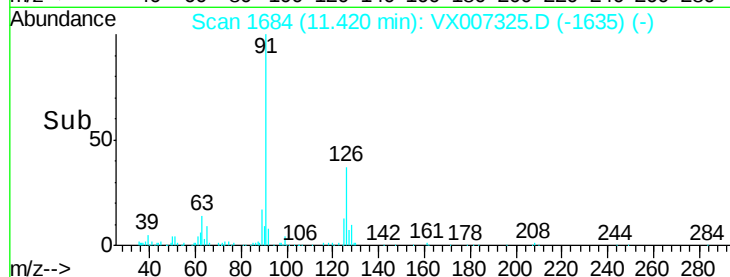
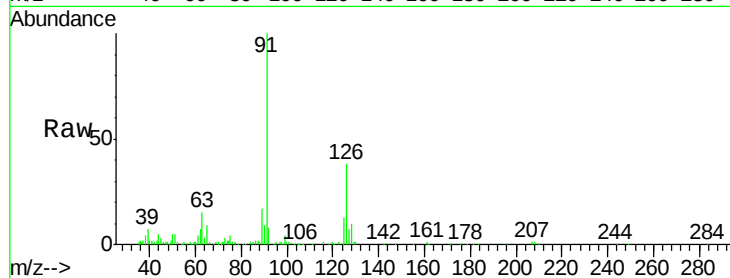
Ion Ratio Lower Upper

91 100

126 38.8 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 1.196 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007325.D

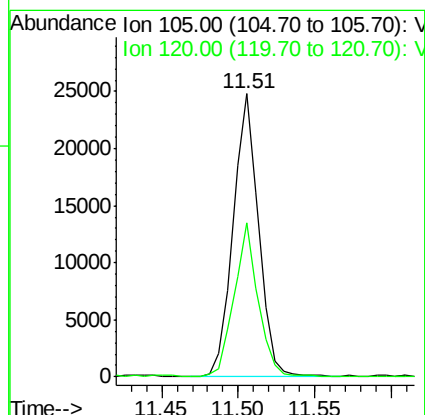
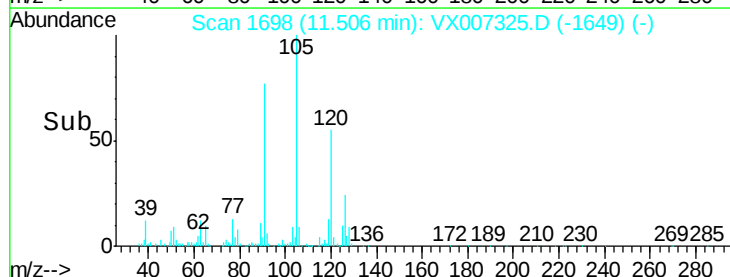
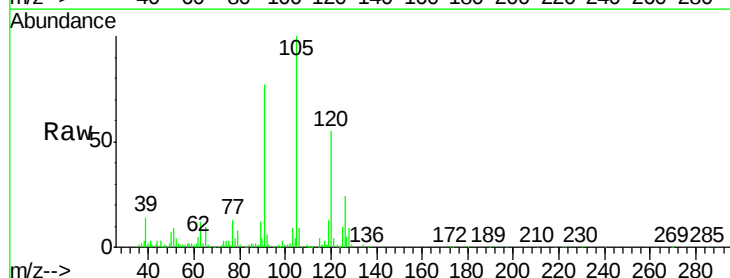
Acq: 01 Feb 2019 09:36

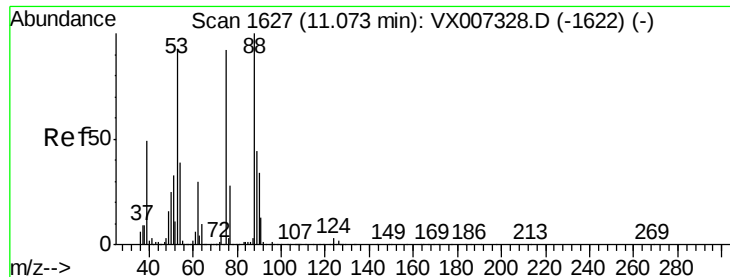
Tgt Ion: 105 Resp: 28669

Ion Ratio Lower Upper

105 100

120 51.8 25.3 75.8





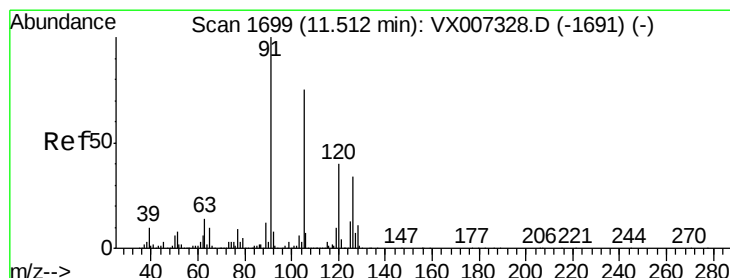
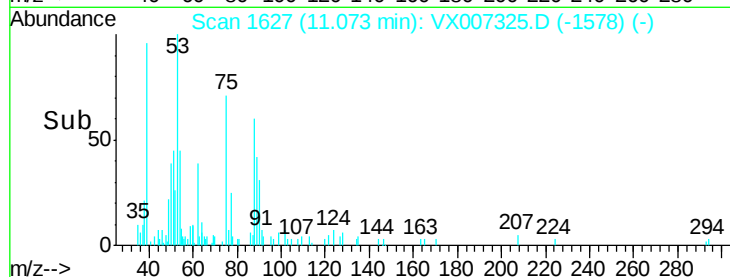
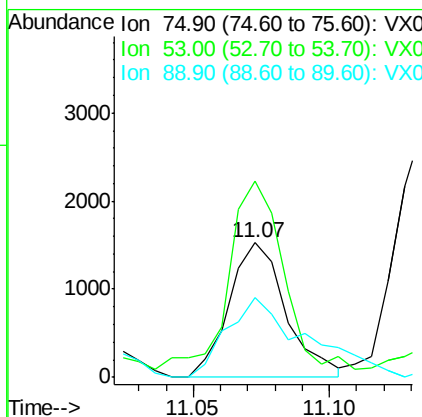
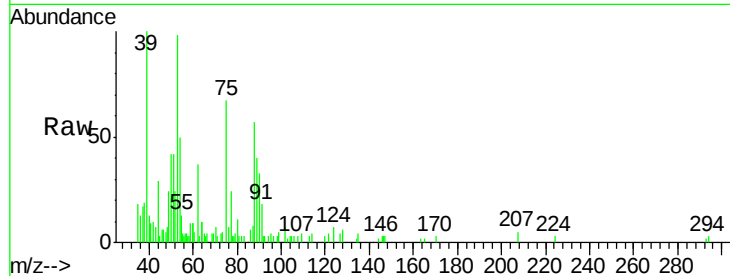
#81
trans-1,4-Dichloro-2-butene
Concen: 0.921 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
53	133.4	81.0	121.6#
89	82.7	41.4	62.0#

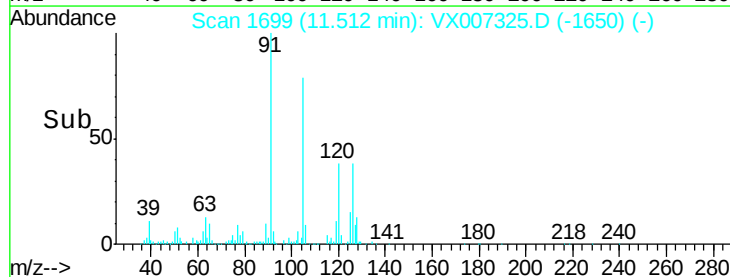
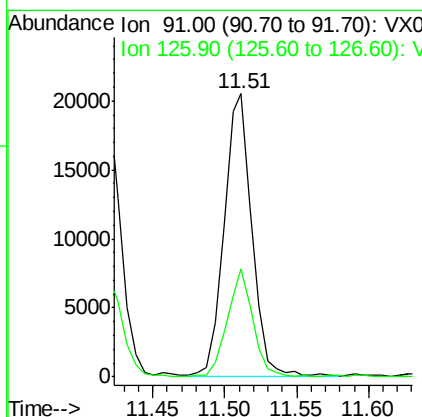
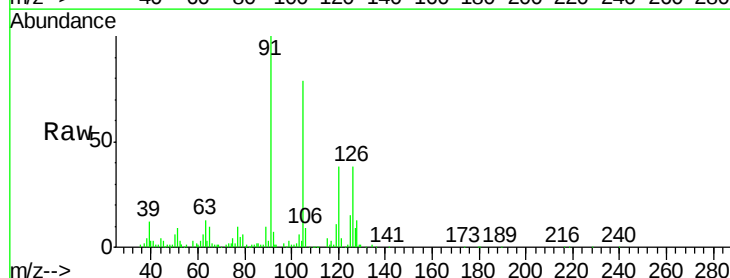
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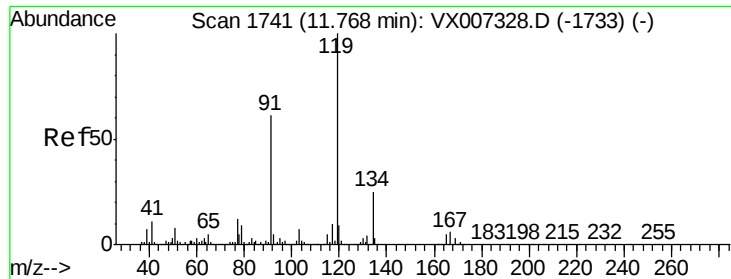
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#82
4-Chlorotoluene
Concen: 1.236 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	16.2	48.5





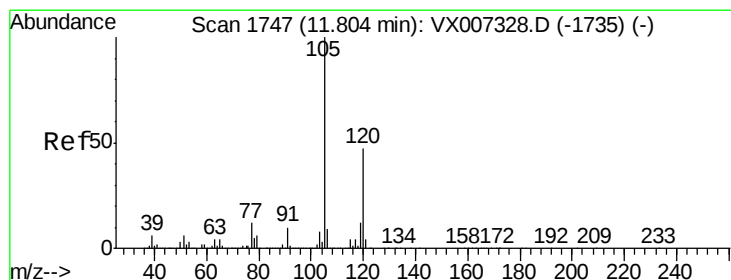
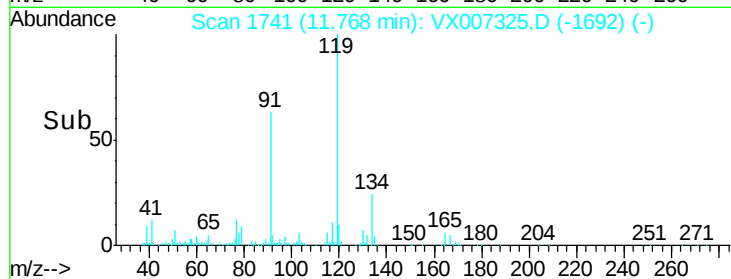
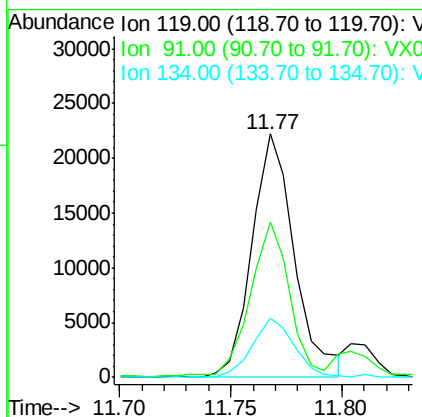
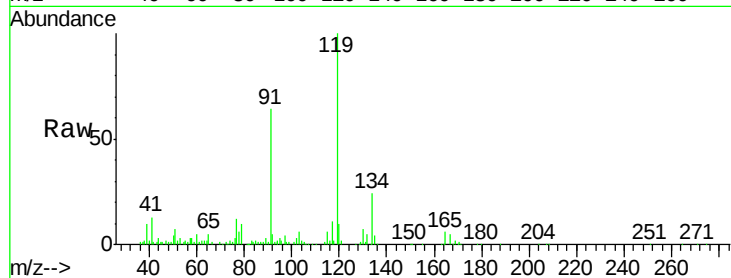
#83
tert-Butylbenzene
Concen: 1.246 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.9	28.5	85.6
134	24.0	12.0	36.0

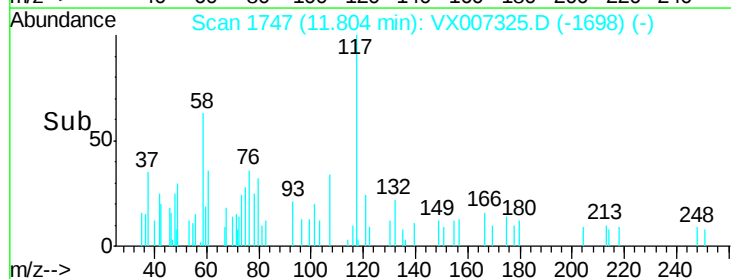
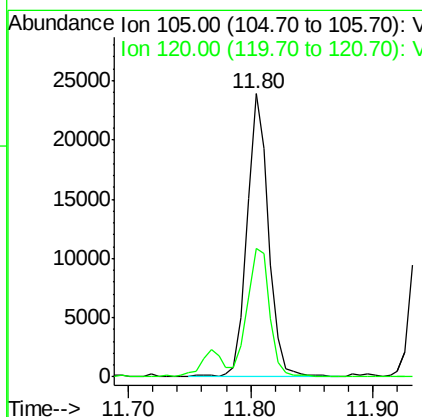
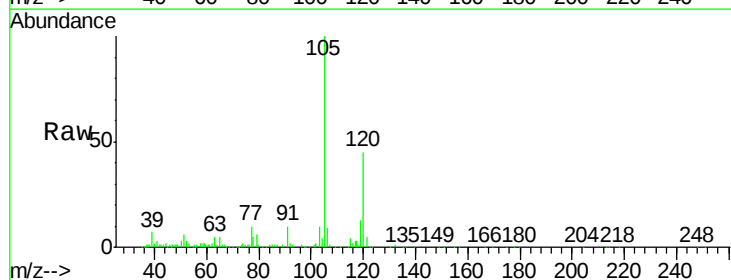
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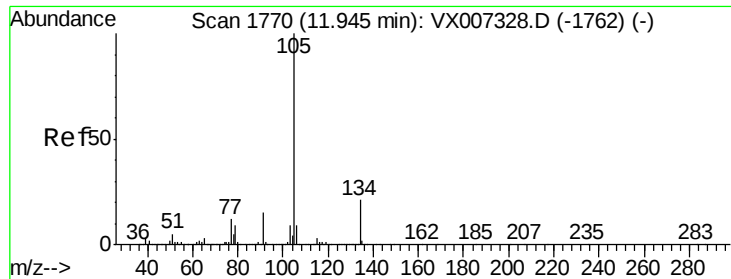
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#84
1,2,4-Trimethylbenzene
Concen: 1.195 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.2	23.1	69.3





#85

sec-Butylbenzene

Concen: 1.218 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 34989

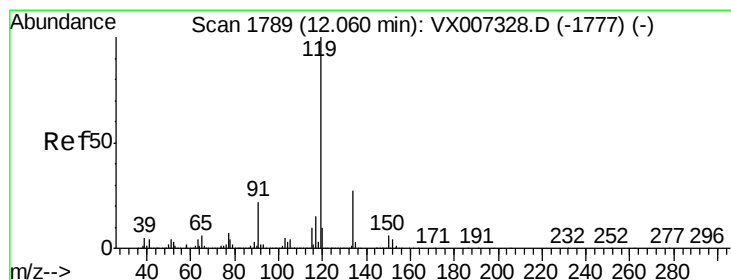
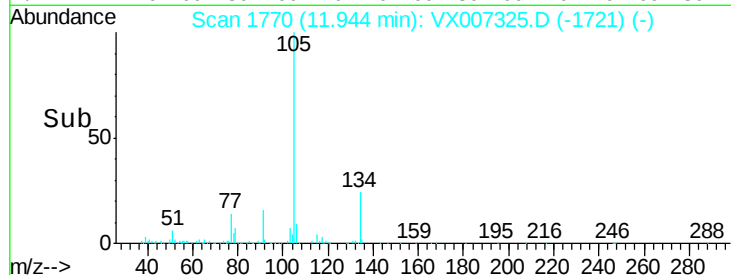
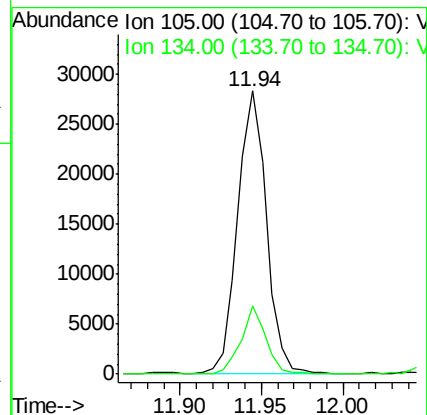
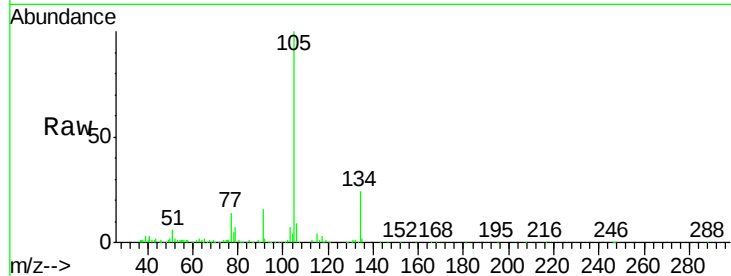
Ion Ratio Lower Upper

105 100

134 20.9 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 1.171 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

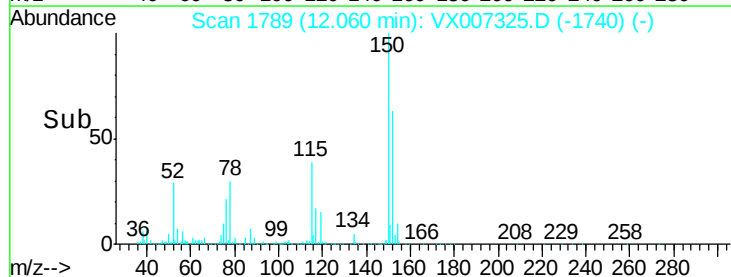
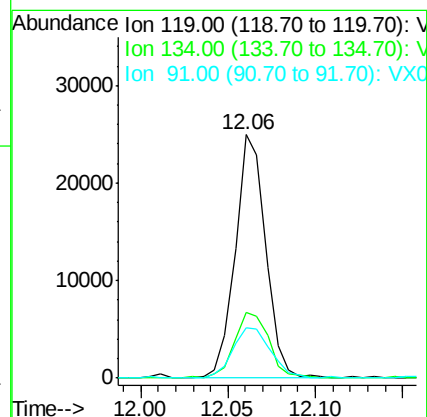
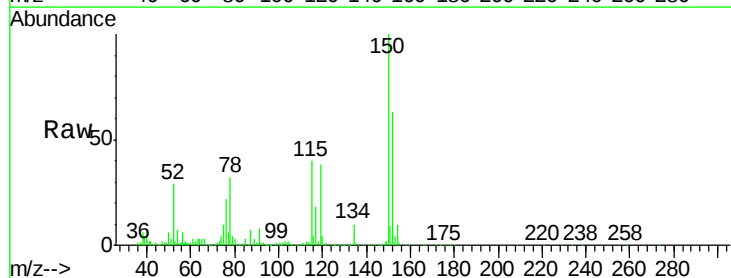
Tgt Ion:119 Resp: 30352

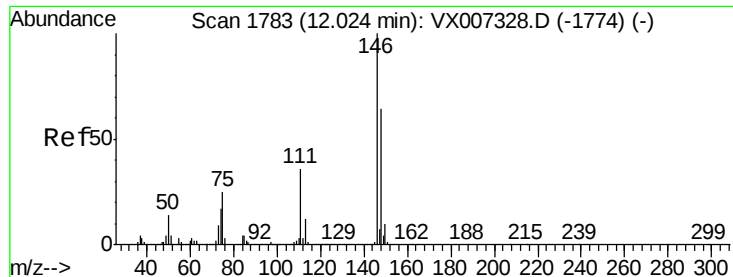
Ion Ratio Lower Upper

119 100

134 30.8 13.7 41.1

91 26.2 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 1.314 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Instrument :

MSVOA_X

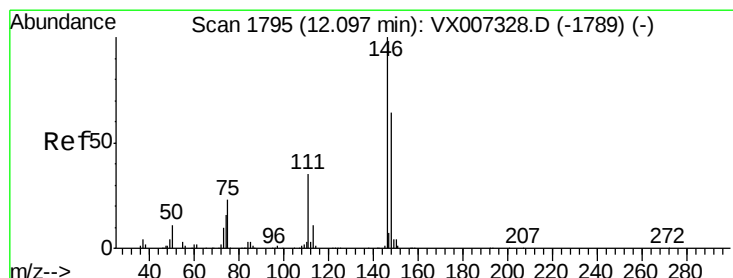
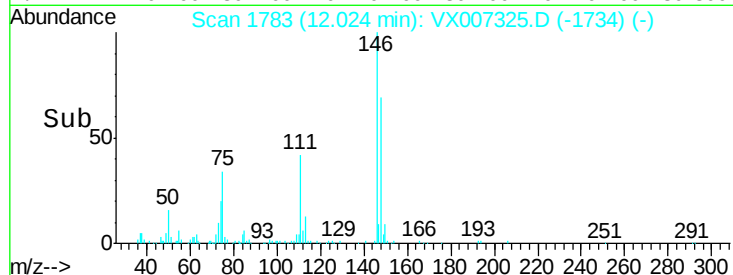
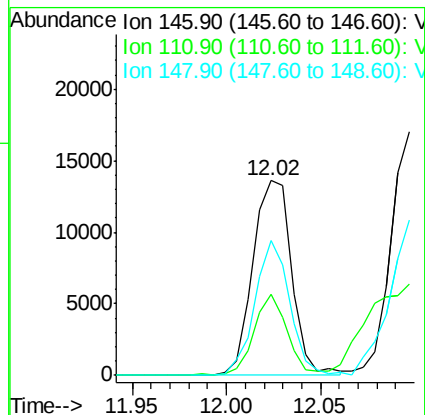
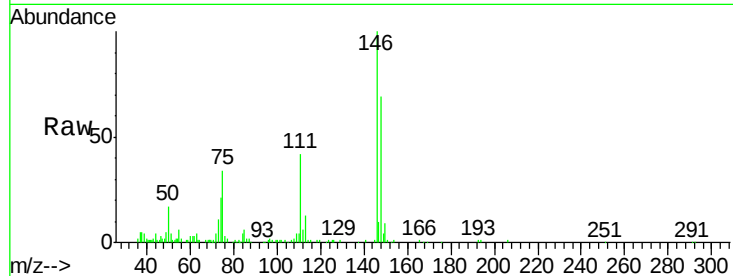
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	19463
Ion Ratio	Lower	Upper	
146	100		
111	36.0	18.1	54.1
148	62.2	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 1.388 ug/l m

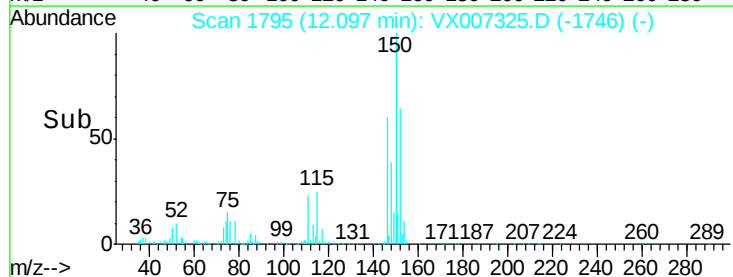
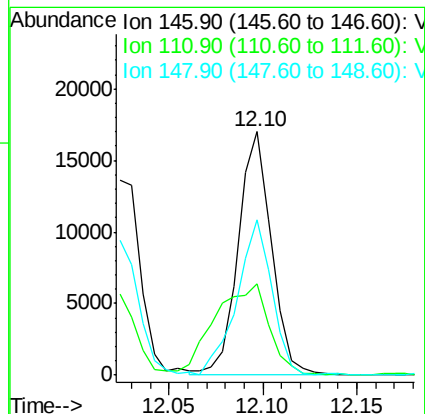
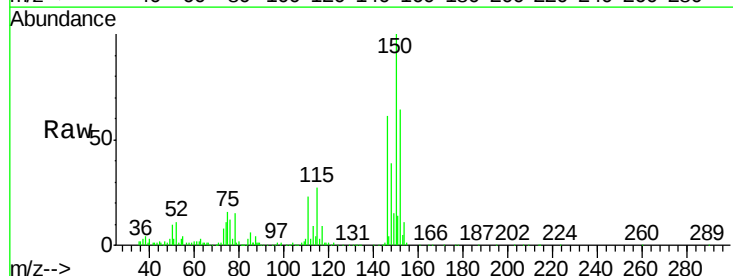
RT: 12.10 min Scan# 1795

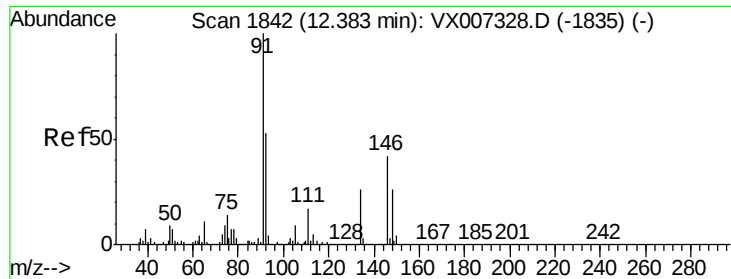
Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Tgt Ion:	146	Resp:	20847
Ion Ratio	Lower	Upper	
146	100		
111	33.6	18.1	54.1
148	58.1	32.3	96.9





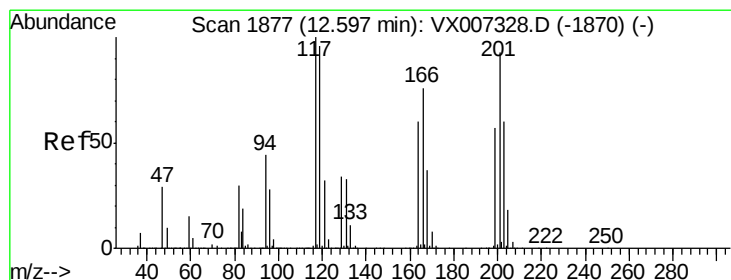
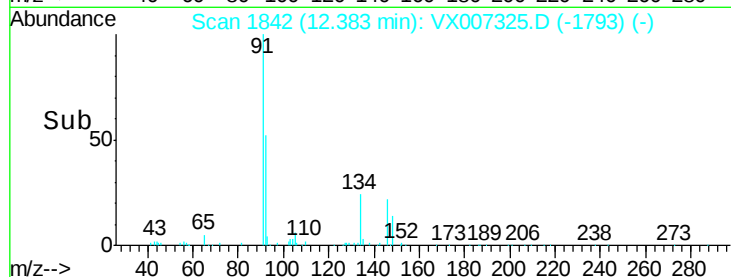
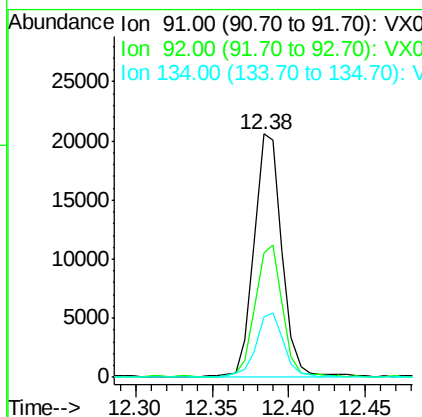
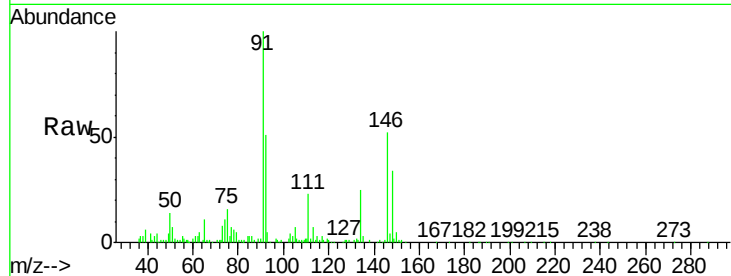
#89
n-Butylbenzene
Concen: 1.176 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.3	78.9
134	26.9	13.9	41.6

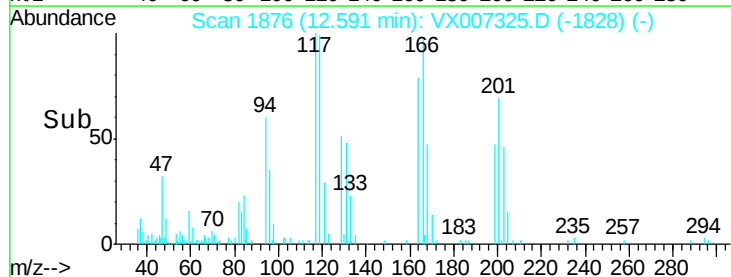
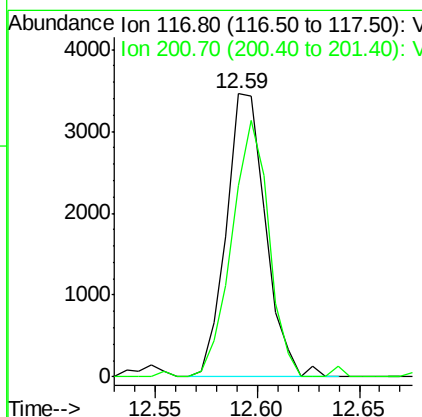
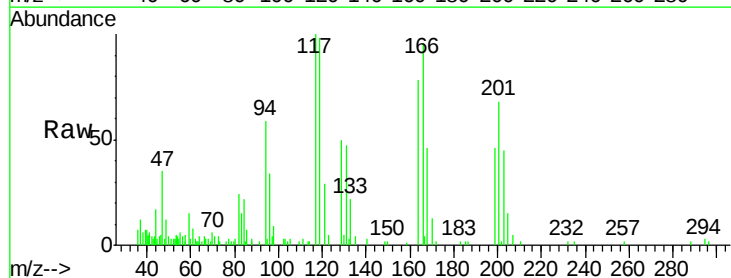
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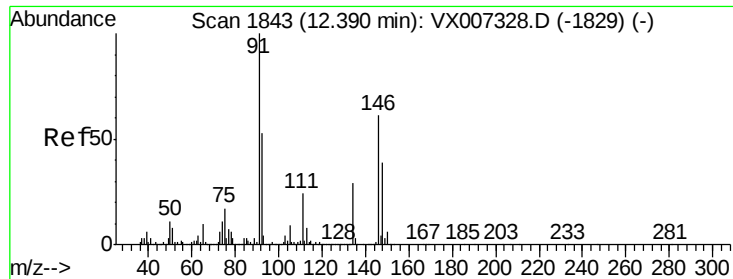
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#90
Hexachloroethane
Concen: 1.191 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX007325.D
Acq: 01 Feb 2019 09:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.1	44.9	134.7





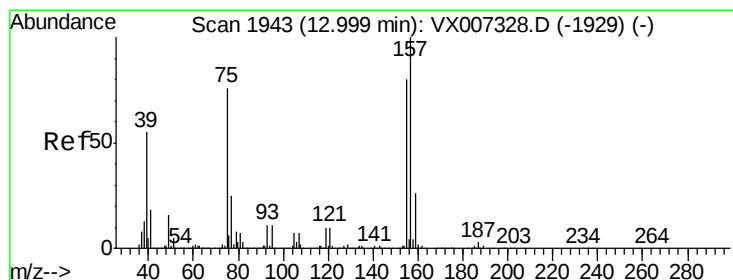
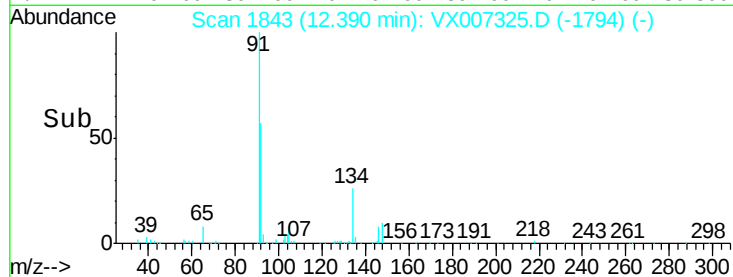
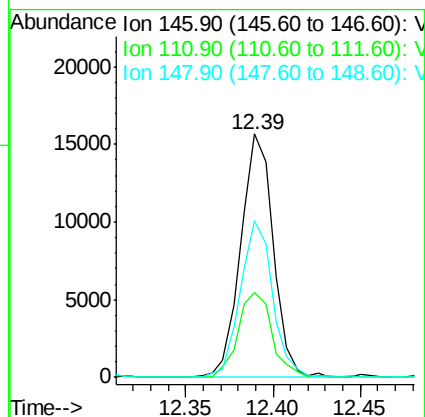
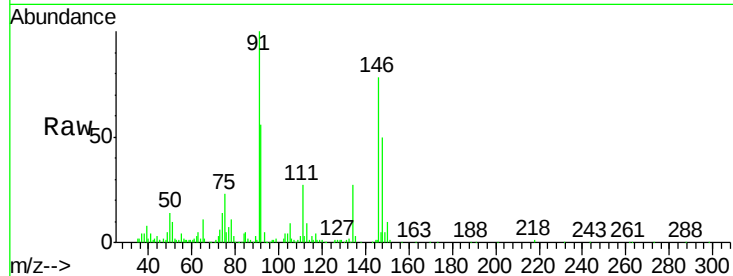
#91
 1,2-Dichlorobenzene
 Concen: 1.378 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX007325.D
 Acq: 01 Feb 2019 09:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	19.1	57.3
148	63.7	32.1	96.3

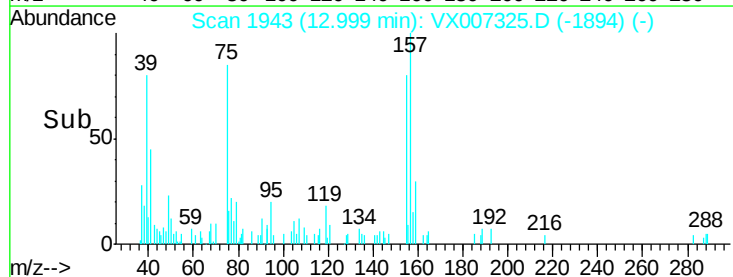
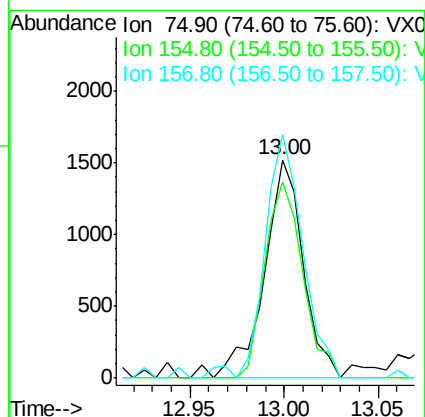
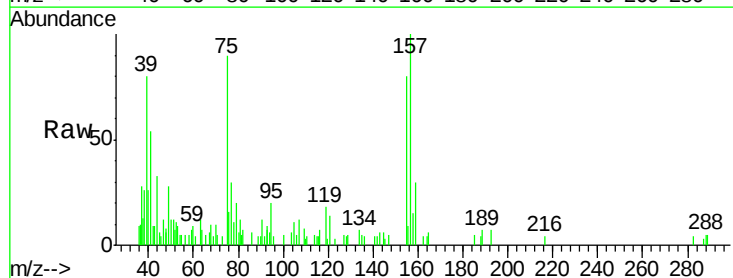
Manual Integrations
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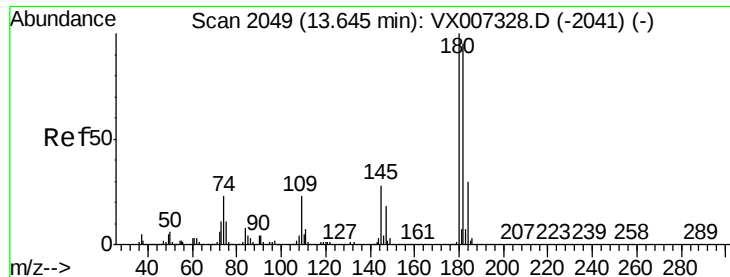
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.184 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX007325.D
 Acq: 01 Feb 2019 09:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.7	49.6	149.0
157	108.1	65.1	195.3





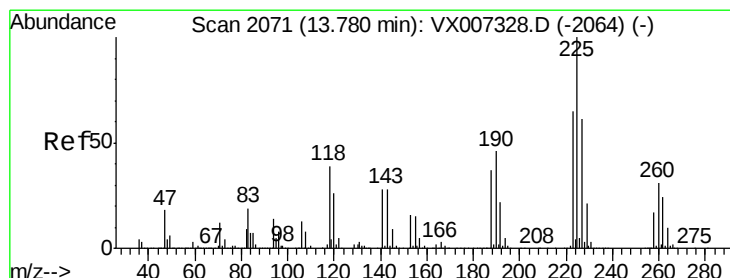
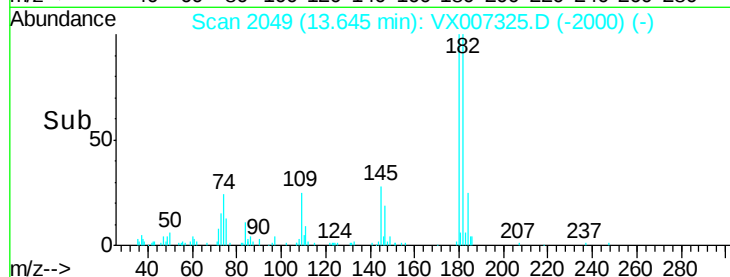
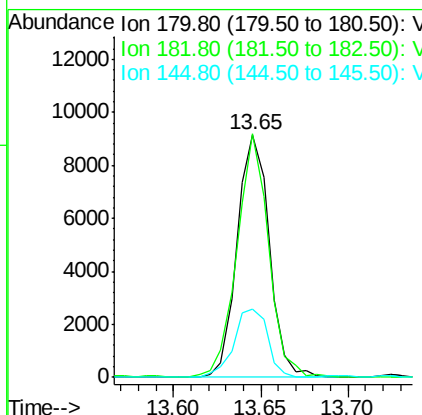
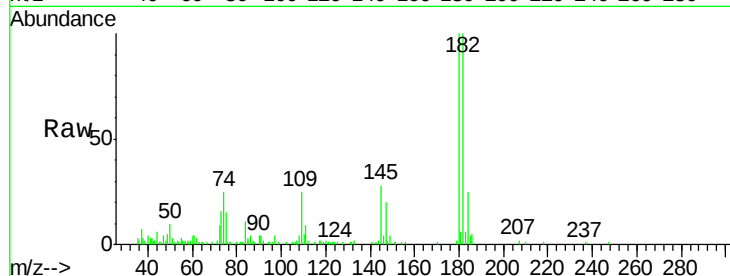
#93
 1,2,4-Trichlorobenzene
 Concen: 1.177 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007325.D
 Acq: 01 Feb 2019 09:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.5	47.8	143.3
145	29.5	14.1	42.2

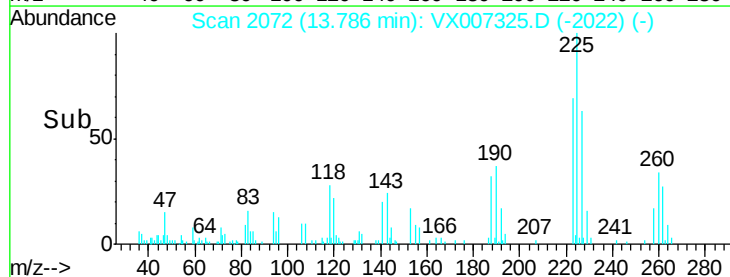
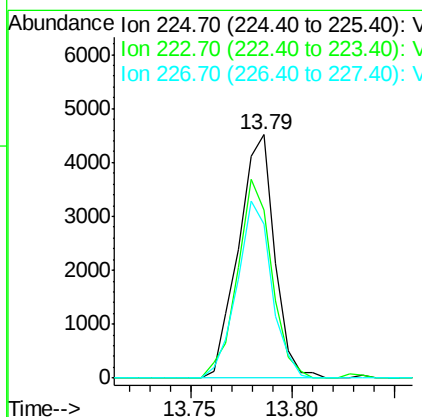
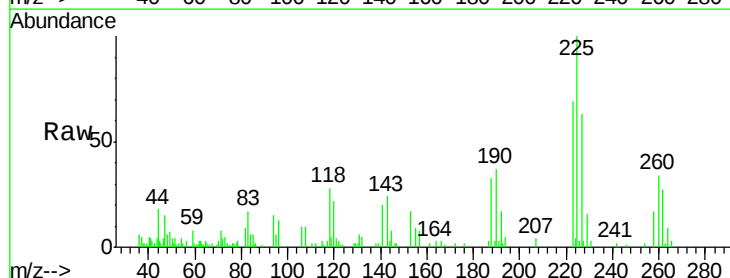
Manual Integrations
 APPROVED

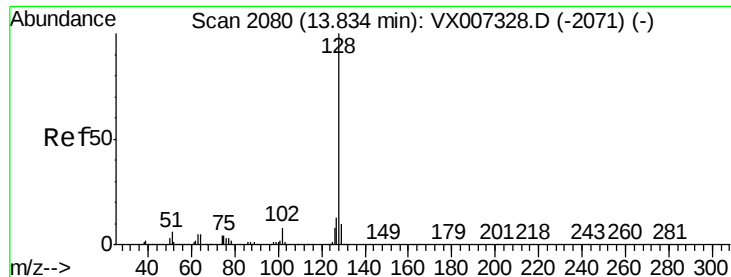
MMDadoda
 2/4/2019 9:37:18 AM



#94
 Hexachlorobutadiene
 Concen: 1.148 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VX007325.D
 Acq: 01 Feb 2019 09:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	77.5	31.6	94.8
227	69.6	32.1	96.3





#95

Naphthalene

Concen: 1.024 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Instrument :

MSVOA_X

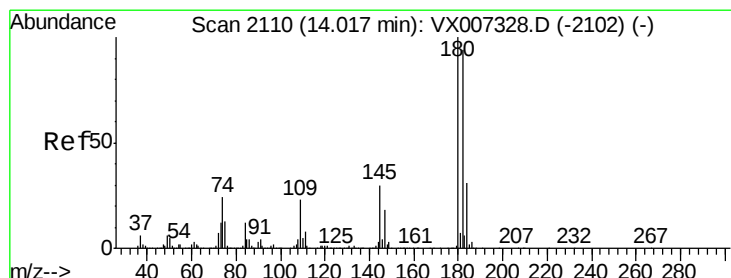
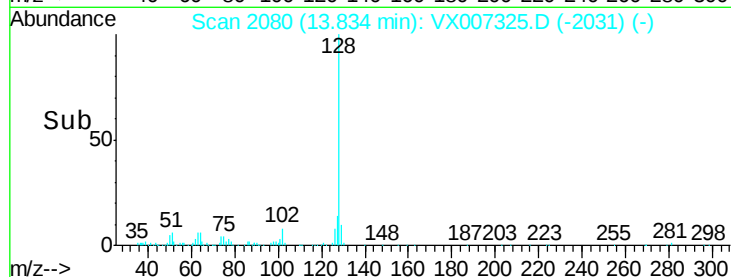
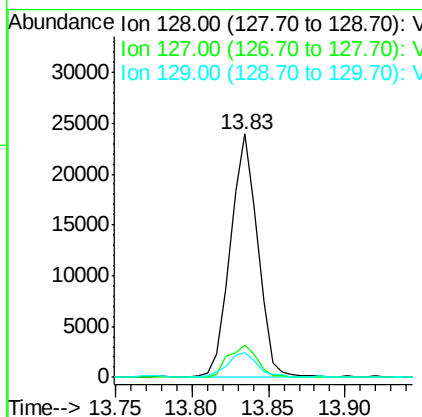
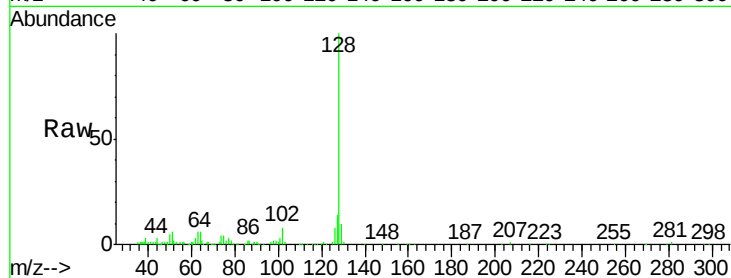
ClientSampleId :

VSTDIC001

Tot Ion:	128	Resp:	29782
Ion Ratio	Lower	Upper	
128	100		
127	13.9	10.5	15.7
129	11.3	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:37:18 AM



#96

1,2,3-Trichlorobenzene

Concen: 1.190 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007325.D

Acq: 01 Feb 2019 09:36

Tgt Ion:	180	Resp:	11910
Ion Ratio	Lower	Upper	
180	100		
182	93.5	47.5	142.6
145	31.0	14.9	44.5

