

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020119\
 Data File : VX007329.D
 Acq On : 01 Feb 2019 11:22
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

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

Quant Time: Feb 02 00:44:41 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	5.67	168	473019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	692202	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	668299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	368309	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	486977	96.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.98%	
35) Dibromofluoromethane	5.50	113	444673	98.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.46%	
50) Toluene-d8	8.71	98	1686318	100.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.82%	
62) 4-Bromofluorobenzene	11.13	95	634470	104.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	592252	112.322	ug/l	99
3) Chloromethane	1.32	50	517449	97.121	ug/l	99
4) Vinyl Chloride	1.41	62	526460	100.723	ug/l	100
5) Bromomethane	1.64	94	518680	87.177	ug/l	98
6) Chloroethane	1.71	64	336223	99.439	ug/l	99
7) Trichlorofluoromethane	1.92	101	801996	98.085	ug/l	98
8) Diethyl Ether	2.19	74	283840	92.230	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	462308	95.054	ug/l	99
10) Methyl Iodide	2.51	142	749108	104.701	ug/l	99
11) Tert butyl alcohol	3.09	59	489198	470.817	ug/l	99
12) 1,1-Dichloroethene	2.37	96	425647	94.245	ug/l	99
13) Acrolein	2.30	56	261404	536.506	ug/l	98
14) Allyl chloride	2.73	41	730466	99.263	ug/l	99
15) Acrylonitrile	3.15	53	1214719	472.585	ug/l	99
16) Acetone	2.45	43	1084675	471.627	ug/l	100
17) Carbon Disulfide	2.57	76	1170195	98.194	ug/l	100
18) Methyl Acetate	2.78	43	584264	89.787	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	1385942	94.721	ug/l	99
20) Methylene Chloride	2.85	84	466519	89.731	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	448422	93.206	ug/l	100
22) Diisopropyl ether	3.87	45	1315187	97.161	ug/l	99
23) Vinyl Acetate	3.82	43	5660132	503.901	ug/l	99
24) 1,1-Dichloroethane	3.70	63	729357	93.826	ug/l	99
25) 2-Butanone	4.70	43	1551403	474.004	ug/l	100
26) 2,2-Dichloropropane	4.58	77	601370	101.584	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	486754	92.629	ug/l	99
28) Bromochloromethane	5.02	49	335429	93.832	ug/l	97
29) Tetrahydrofuran	5.15	42	1002037	486.786	ug/l	99
30) Chloroform	5.21	83	775195	95.567	ug/l	99
31) Cyclohexane	5.57	56	677603	97.055	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	686290	100.233	ug/l	100
36) 1,1-Dichloropropene	5.80	75	588369	94.735	ug/l	99
37) Ethyl Acetate	4.85	43	591171	94.162	ug/l	100
38) Carbon Tetrachloride	5.78	117	619761	102.859	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	743887	98.996	ug/l	99
40) Benzene	6.14	78	1734028	94.782	ug/l	99
41) Methacrylonitrile	5.06	41	331611	96.648	ug/l	100
42) 1,2-Dichloroethane	6.20	62	588742	93.009	ug/l	99
43) Isopropyl Acetate	6.46	43	987694	101.923	ug/l	100
44) Trichloroethene	7.21	130	516321	93.706	ug/l	99
45) 1,2-Dichloropropane	7.51	63	439803	95.947	ug/l	99
46) Dibromomethane	7.66	93	313908	94.223	ug/l	99
47) Bromodichloromethane	7.90	83	585081	103.623	ug/l	99
48) Methyl methacrylate	7.77	41	512131	105.655	ug/l	99
49) 1,4-Dioxane	7.75	88	219299	1817.902	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	3197023	501.152	ug/l	100
52) Toluene	8.79	92	1156860	98.009	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	681320	112.339	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	716887	107.486	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	472336	95.998	ug/l	97
56) Ethyl methacrylate	9.18	69	705016	103.456	ug/l	100
57) 1,3-Dichloropropane	9.37	76	758393	96.923	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1838991	511.987	ug/l	100
59) 2-Hexanone	9.49	43	2470504	497.664	ug/l	99
60) Dibromochloromethane	9.59	129	527176	113.288	ug/l	98
61) 1,2-Dibromoethane	9.67	107	518783	99.563	ug/l	99
64) Tetrachloroethene	9.34	164	547635	86.941	ug/l	99
65) Chlorobenzene	10.14	112	1352603	92.749	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	486979	99.598	ug/l	100
67) Ethyl Benzene	10.25	91	2266955	96.527	ug/l	99
68) m/p-Xylenes	10.36	106	1818963	194.841	ug/l	100
69) o-Xylene	10.69	106	873983	97.291	ug/l	99
70) Styrene	10.71	104	1447421	99.352	ug/l	100
71) Bromoform	10.86	173	418270	110.563	ug/l	100
73) Isopropylbenzene	11.02	105	2336534	93.355	ug/l	99
74) N-amyl acetate	10.90	43	949716	98.103	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	705071	92.435	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	660206m	88.415	ug/l	
77) Bromobenzene	11.26	156	636953	90.323	ug/l	98
78) n-propylbenzene	11.36	91	2680434	97.664	ug/l	100
79) 2-Chlorotoluene	11.42	91	1528491	91.783	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1967628	96.092	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	229494	111.221	ug/l	96
82) 4-Chlorotoluene	11.51	91	1843338	95.660	ug/l	100
83) tert-Butylbenzene	11.77	119	1960190	96.690	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1991796	95.813	ug/l	100
85) sec-Butylbenzene	11.94	105	2373296	96.725	ug/l	100
86) p-Isopropyltoluene	12.07	119	2165456	97.767	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	1156389	91.372	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	1167017	90.953	ug/l	99
89) n-Butylbenzene	12.39	91	1938622	101.746	ug/l	99
90) Hexachloroethane	12.60	117	353825	106.738	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	1145079	90.915	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	155248	97.884	ug/l	99

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ClientSampleId :
VSTDICC100

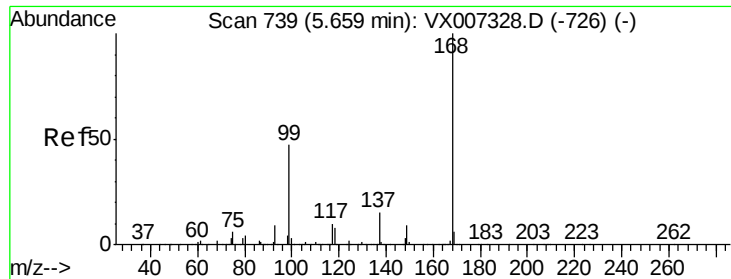
Manual Integrations
APPROVED

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2/4/2019 9:37:37 AM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	830852	97.817	ug/l	99
94) Hexachlorobutadiene	13.78	225	388174	94.116	ug/l	99
95) Naphthalene	13.83	128	2401403	96.679	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	812647	95.047	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 473019

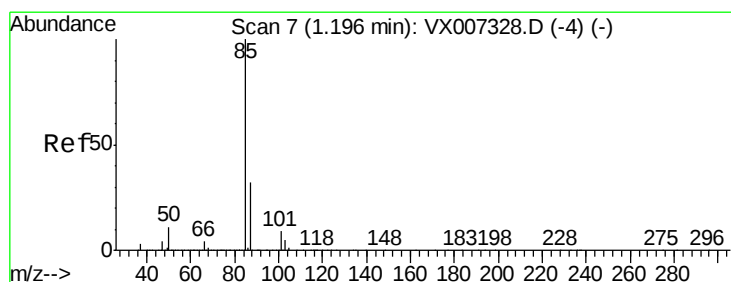
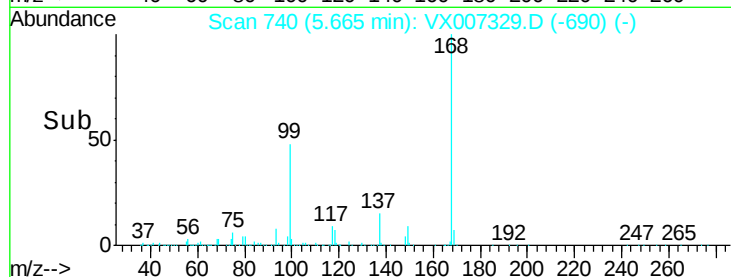
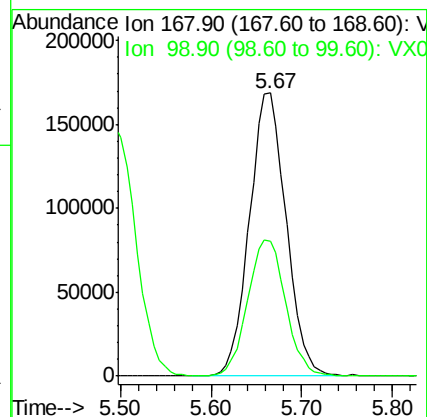
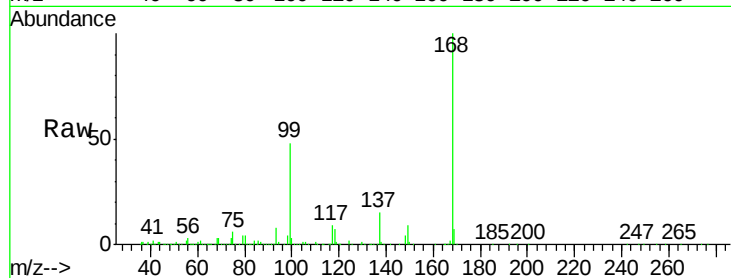
Ion Ratio Lower Upper

168 100

99 47.5 37.9 56.9

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 112.322 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX007329.D

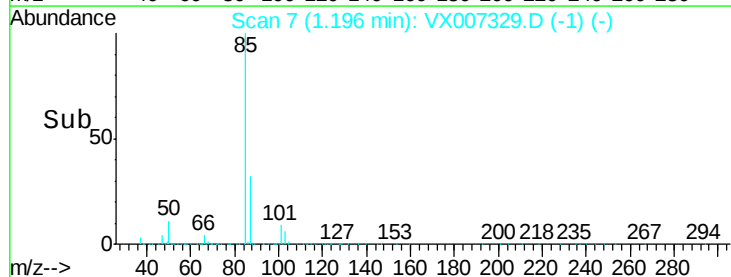
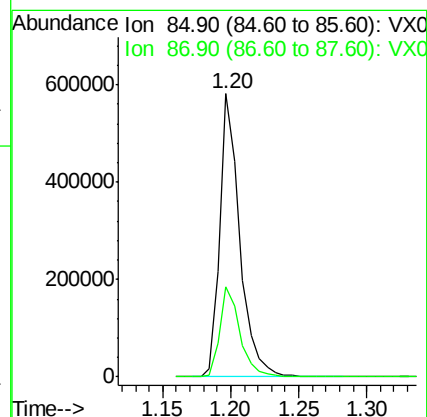
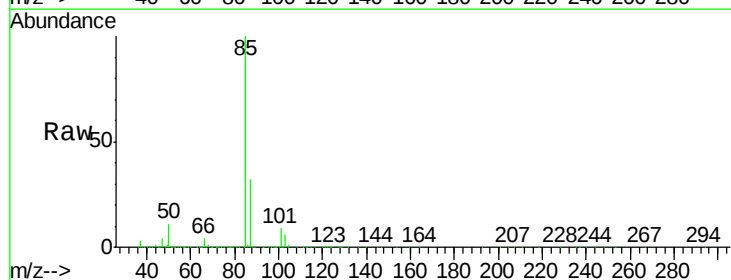
Acq: 01 Feb 2019 11:22

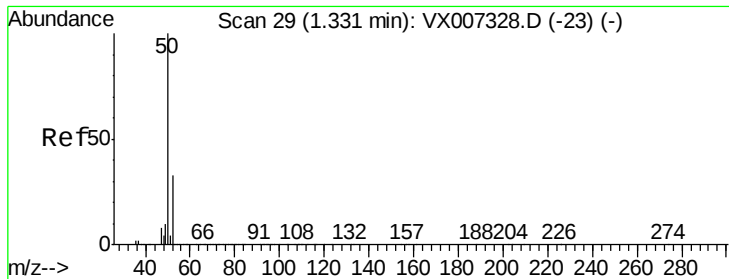
Tgt Ion: 85 Resp: 592252

Ion Ratio Lower Upper

85 100

87 32.0 15.8 47.4





#3

Chloromethane

Concen: 97.121 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 50 Resp: 517449

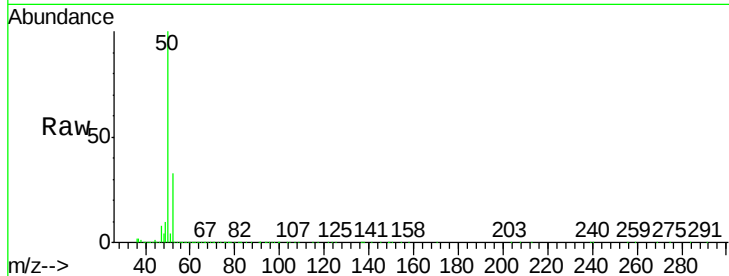
Ion Ratio Lower Upper

50 100

52 33.1 26.1 39.1

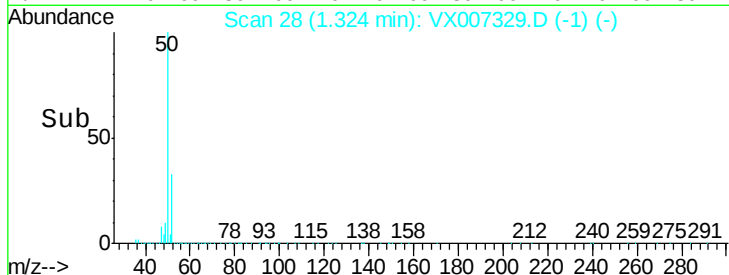
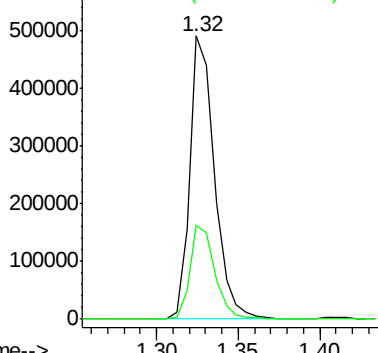
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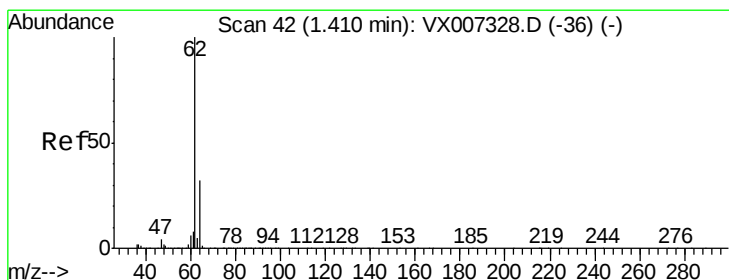


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 100.723 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007329.D

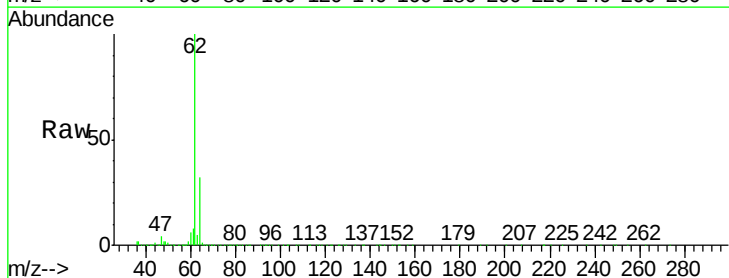
Acq: 01 Feb 2019 11:22

Tgt Ion: 62 Resp: 526460

Ion Ratio Lower Upper

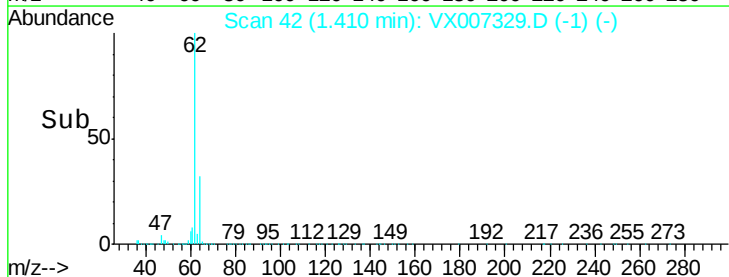
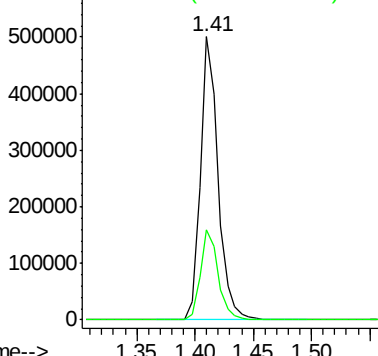
62 100

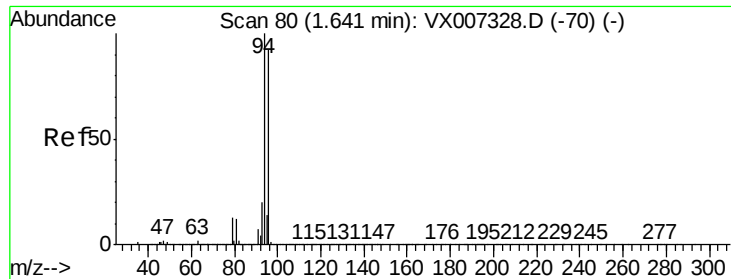
64 32.0 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 87.177 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 518680

Ion Ratio Lower Upper

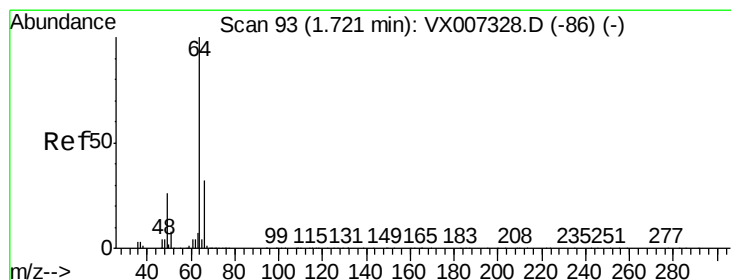
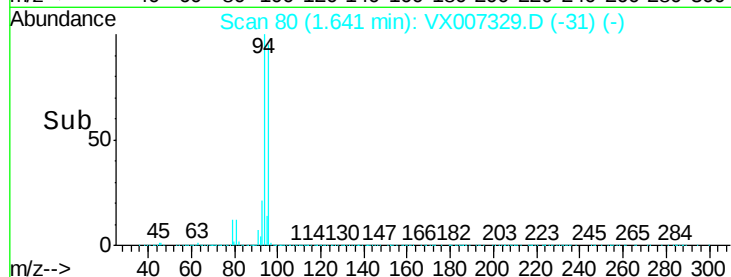
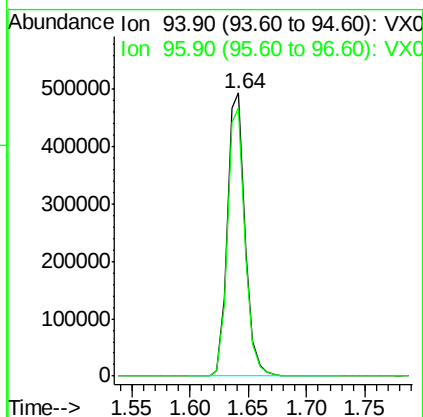
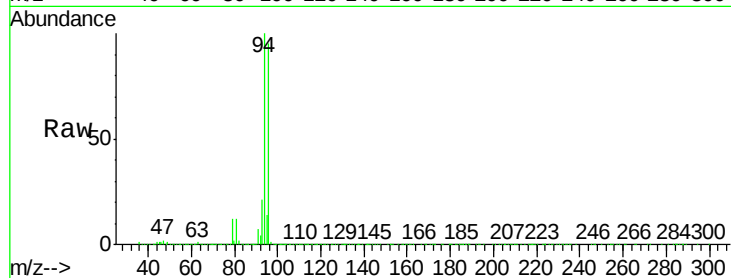
94 100

96 94.6 73.9 110.9

Manual Integrations
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#6

Chloroethane

Concen: 99.439 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX007329.D

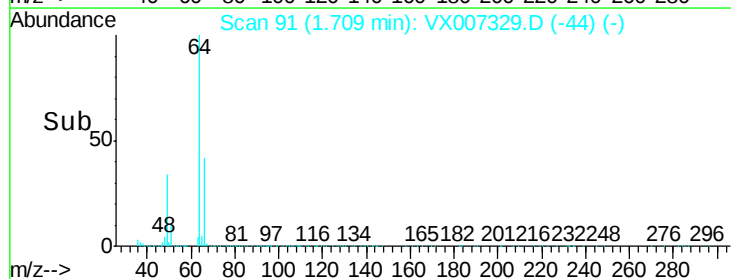
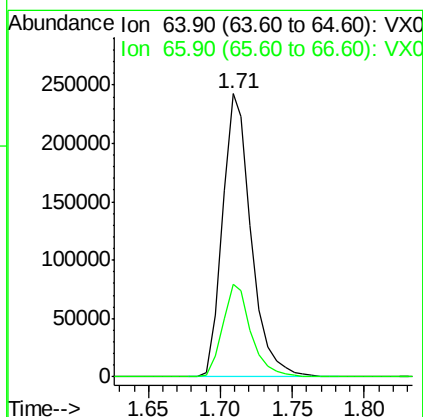
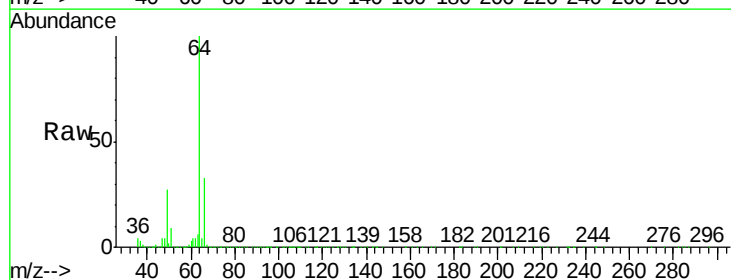
Acq: 01 Feb 2019 11:22

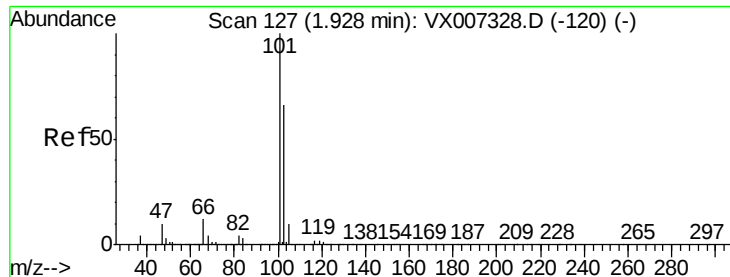
Tgt Ion: 64 Resp: 336223

Ion Ratio Lower Upper

64 100

66 32.5 25.5 38.3





#7

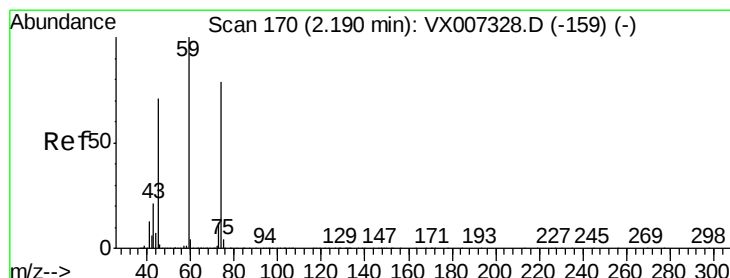
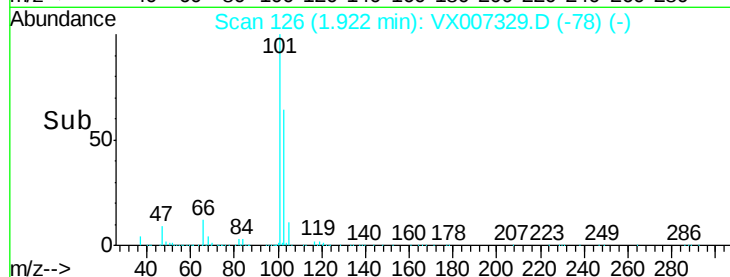
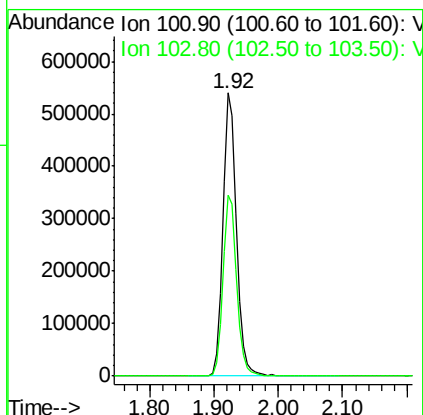
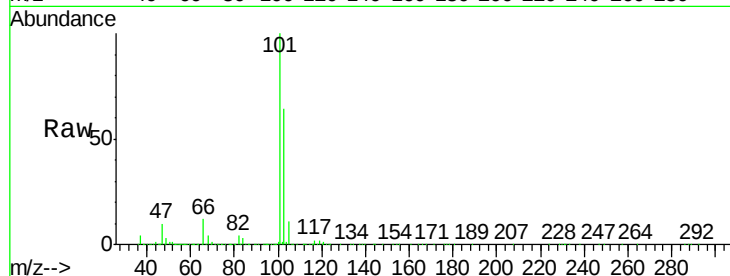
Trichlorofluoromethane
Concen: 98.085 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Instrument :
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ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	801996		
103	63.9	52.6	79.0	

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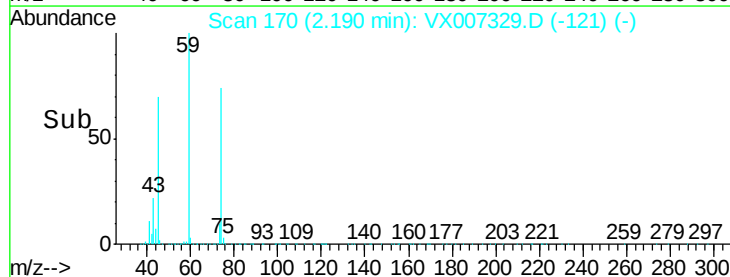
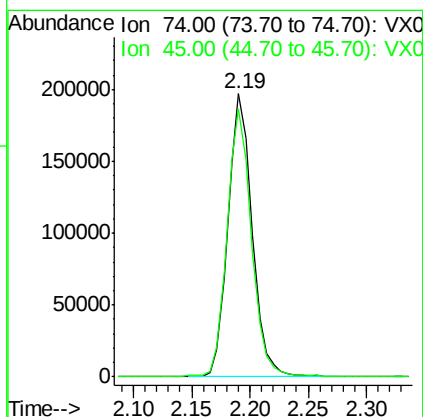
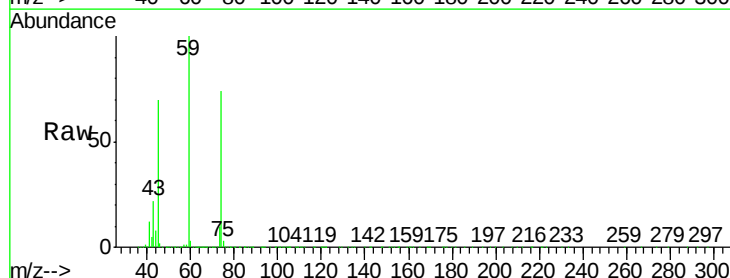
MMDadoda
2/4/2019 9:37:37 AM

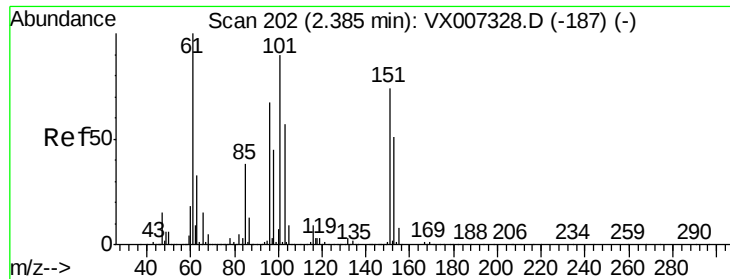


#8

Diethyl Ether
Concen: 92.230 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	283840		
45	95.3	45.7	137.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 95.054 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Instrument :

MSVOA_X

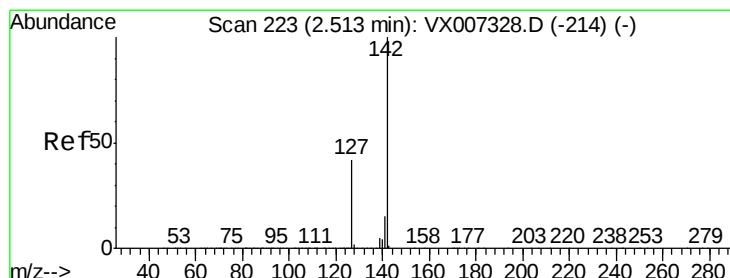
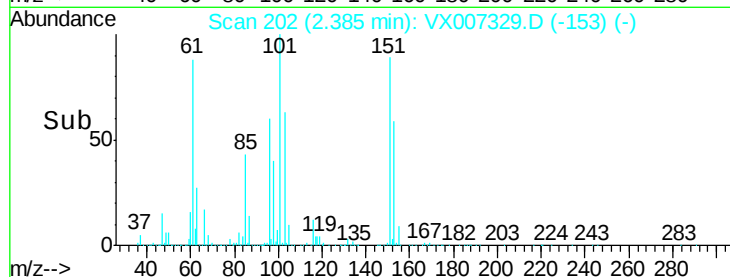
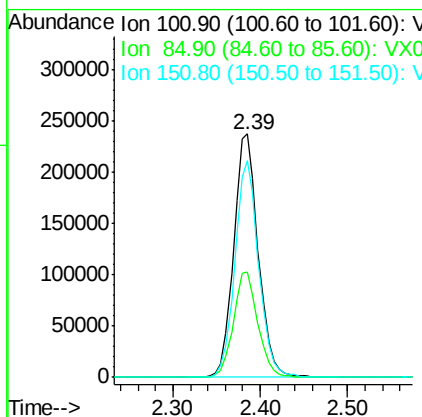
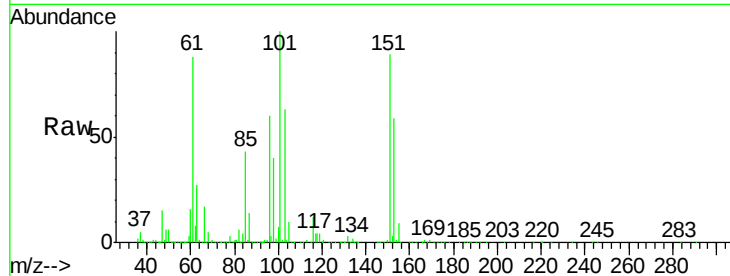
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	462308
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.1	51.1
151	86.5	69.9	104.9

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



#10

Methyl Iodide

Concen: 104.701 ug/l

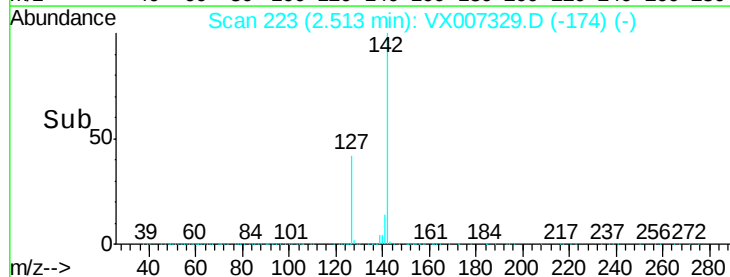
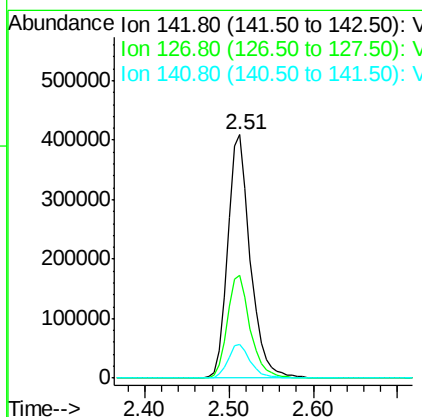
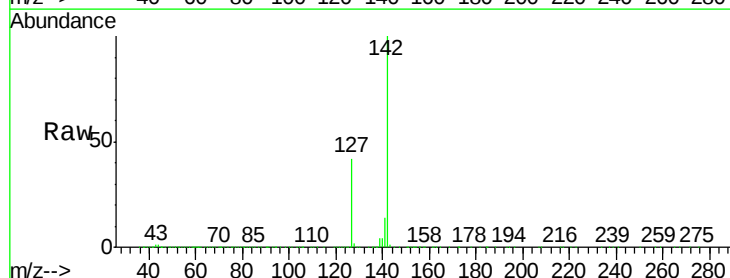
RT: 2.51 min Scan# 223

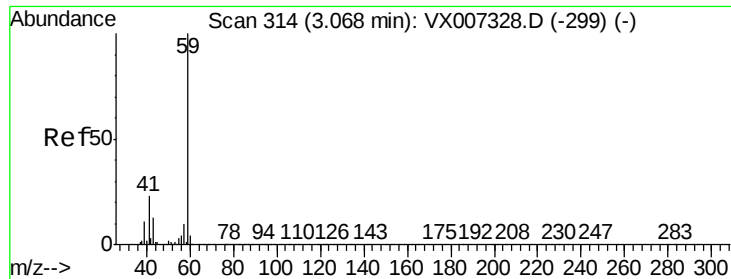
Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Tgt Ion:	142	Resp:	749108
Ion Ratio	Lower	Upper	
142	100		
127	43.0	33.7	50.5
141	14.0	11.3	16.9





#11

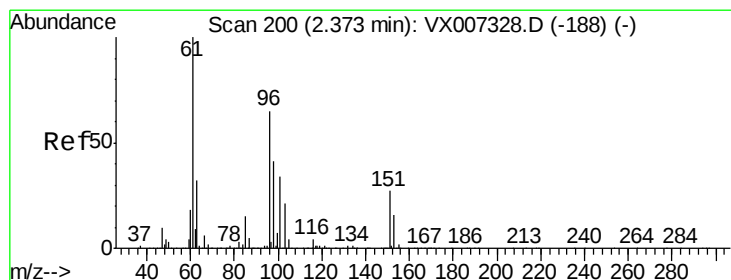
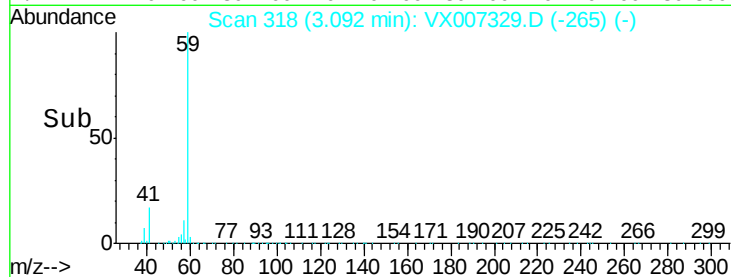
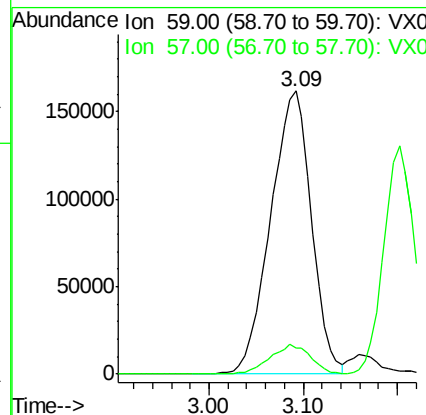
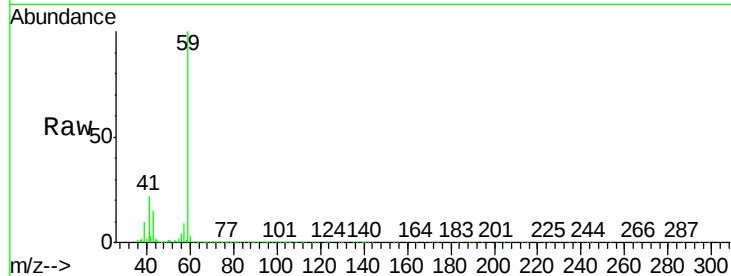
Tert butyl alcohol
Concen: 470.817 ug/l
RT: 3.09 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.1	12.1

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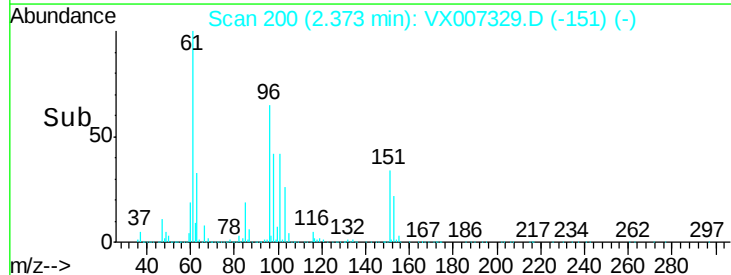
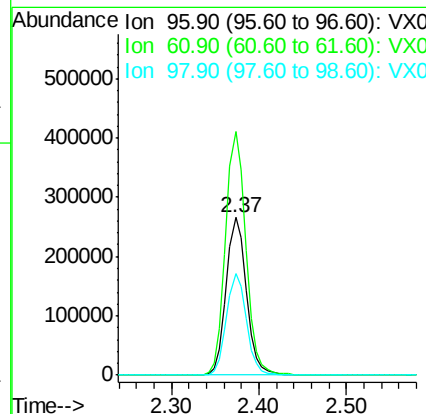
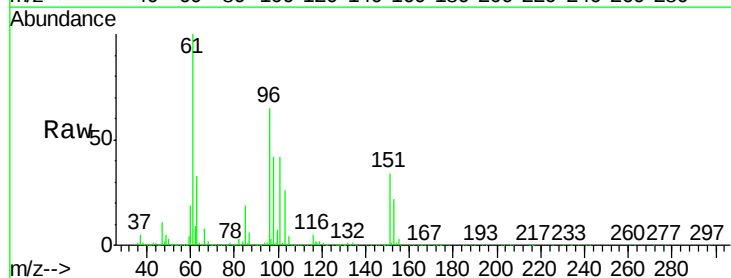
MMDadoda
2/4/2019 9:37:37 AM

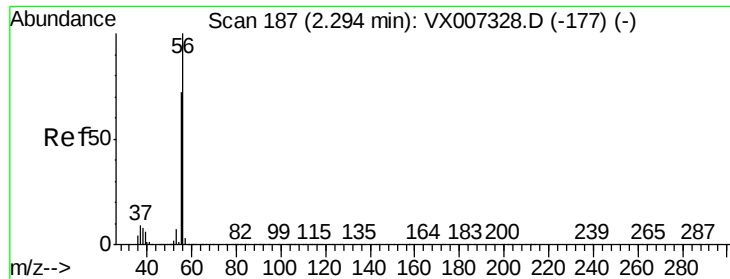


#12

1,1-Dichloroethene
Concen: 94.245 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.5	123.0	184.4
98	64.4	50.9	76.3





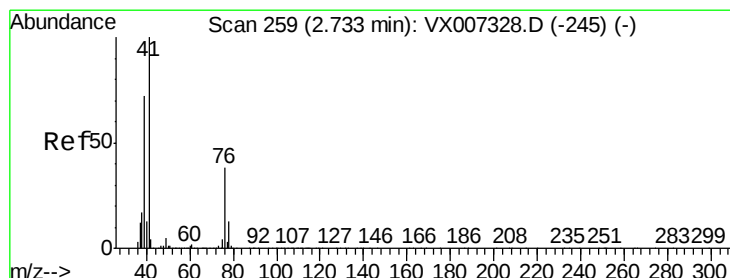
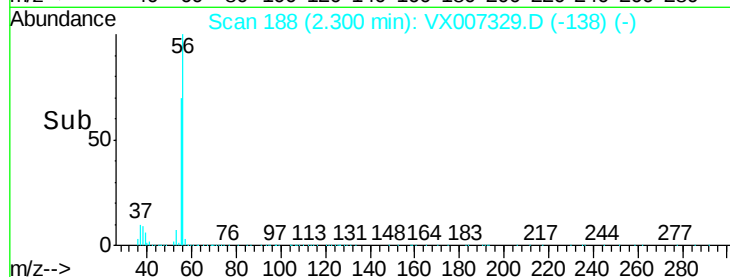
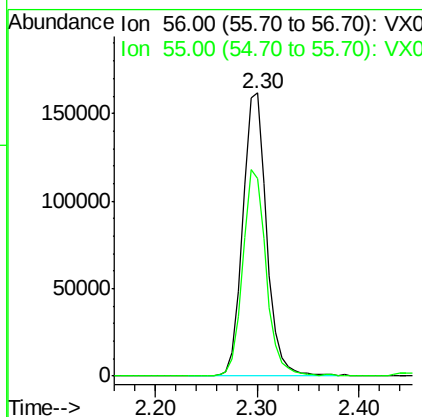
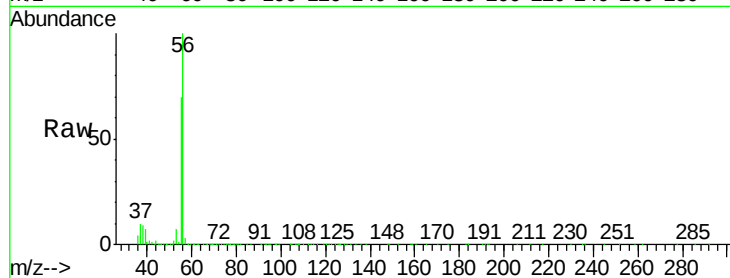
#13
Acrolein
Concen: 536.506 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.8	56.9	85.3

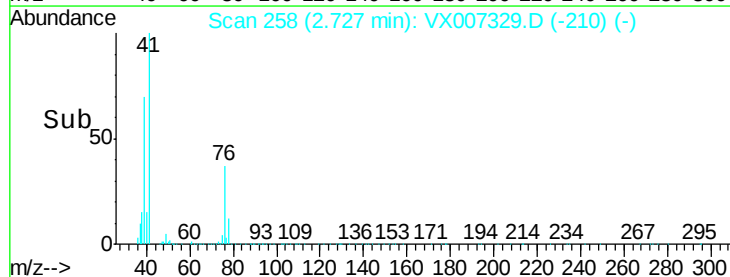
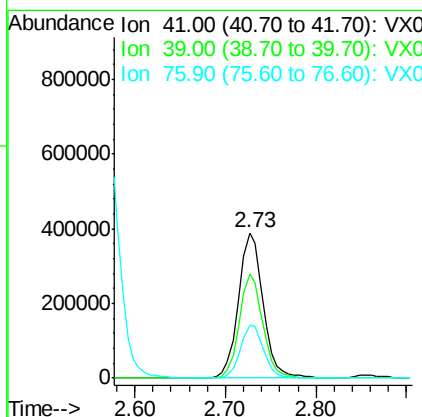
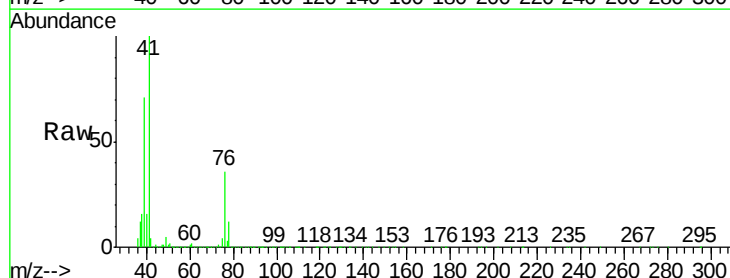
Manual Integrations
APPROVED

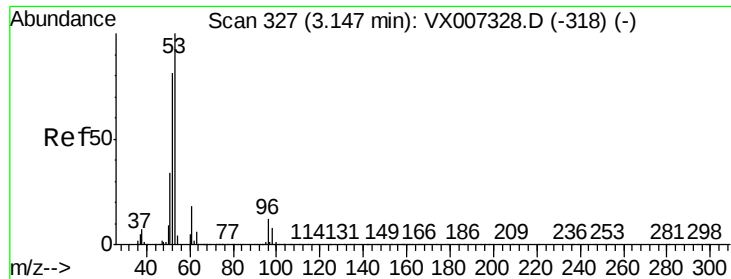
MMDadoda
2/4/2019 9:37:37 AM



#14
Allyl chloride
Concen: 99.263 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.01 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.9	54.1	81.1
76	34.3	27.8	41.8





#15

Acrylonitrile

Concen: 472.585 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Instrument :

MSVOA_X

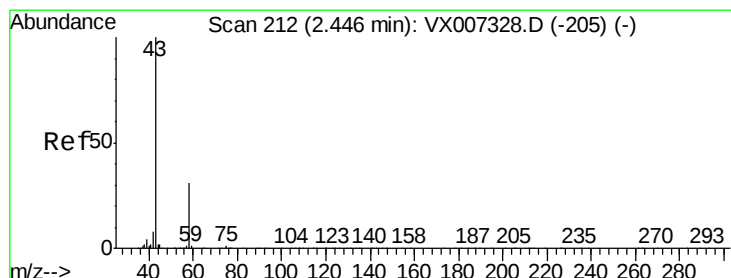
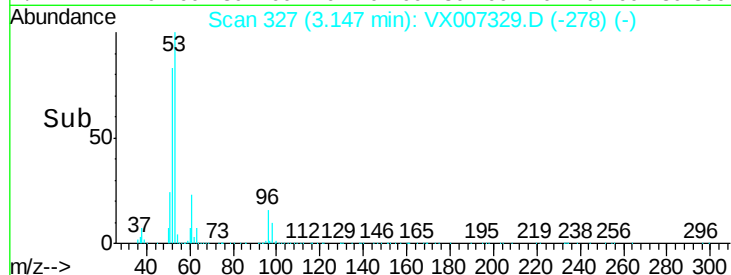
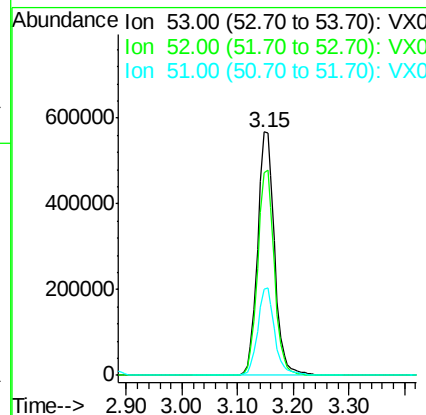
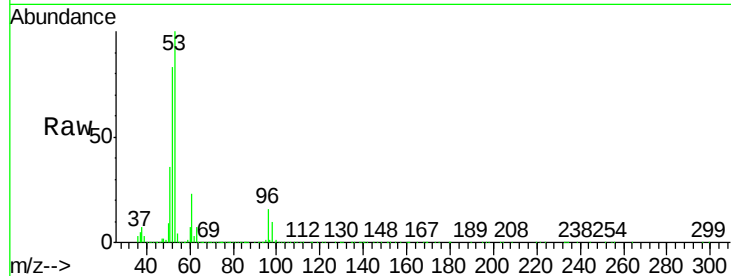
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	1214719
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.4	99.6
51	35.6	28.4	42.6

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



#16

Acetone

Concen: 471.627 ug/l

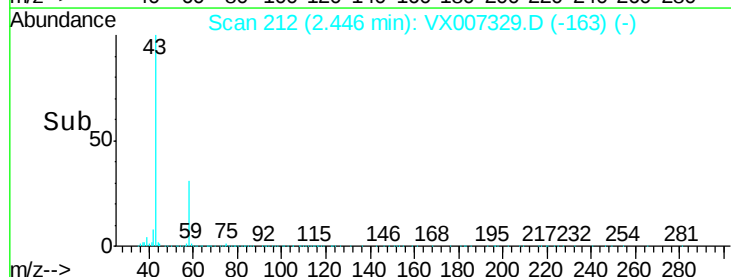
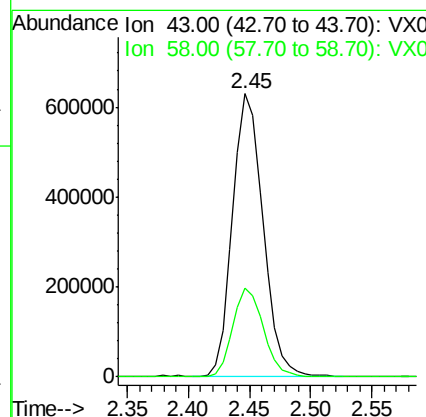
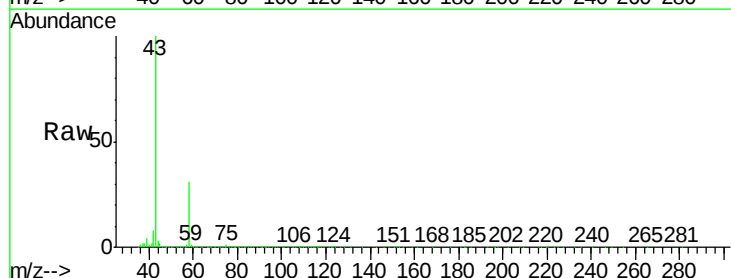
RT: 2.45 min Scan# 212

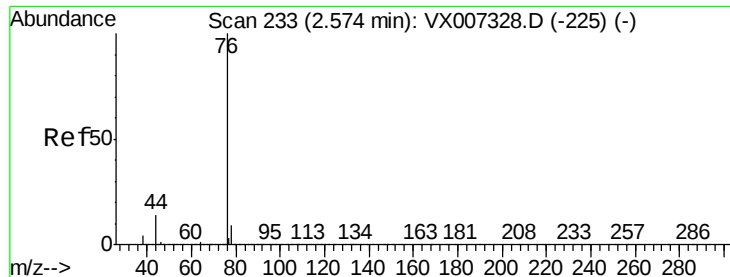
Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Tgt Ion:	43	Resp:	1084675
Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.9	37.3





#17

Carbon Disulfide

Concen: 98.194 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 1170195

Ion Ratio Lower Upper

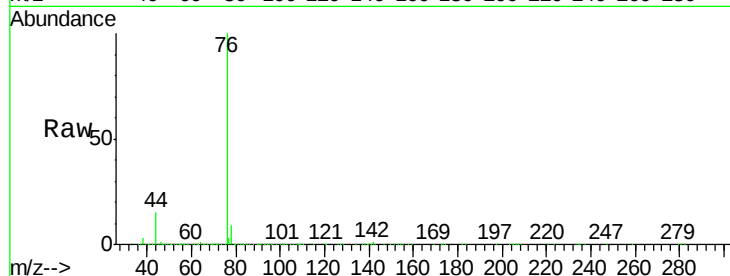
76 100

78 9.0 7.1 10.7

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

800000

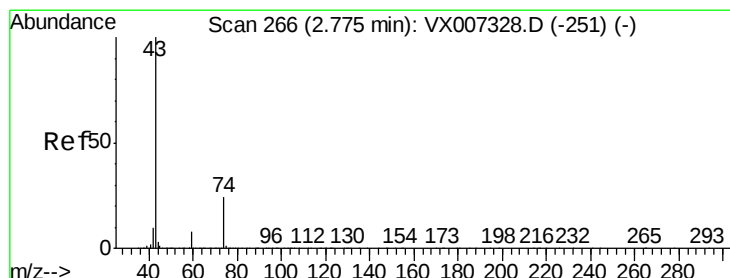
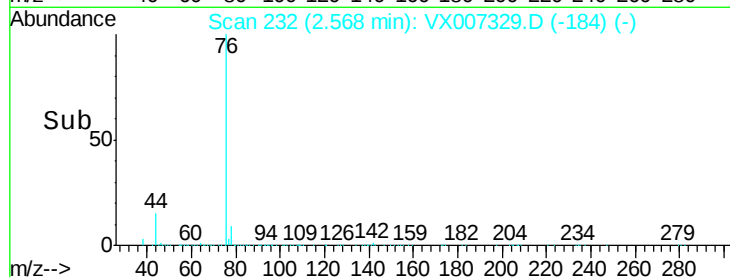
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 89.787 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX007329.D

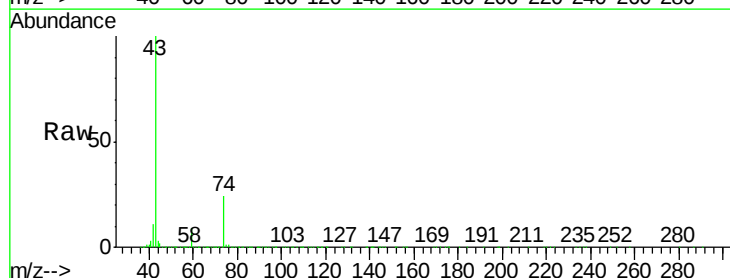
Acq: 01 Feb 2019 11:22

Tgt Ion: 43 Resp: 584264

Ion Ratio Lower Upper

43 100

74 24.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

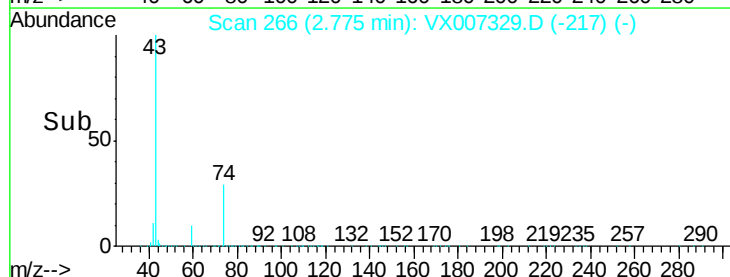
300000

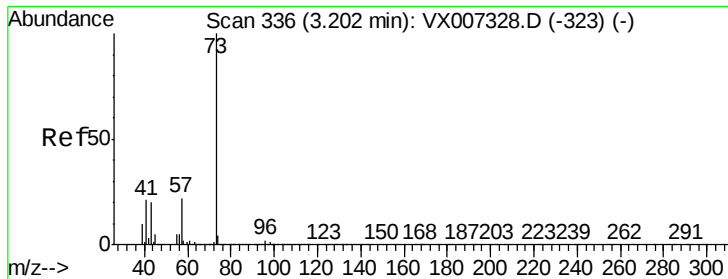
200000

100000

0

Time-->





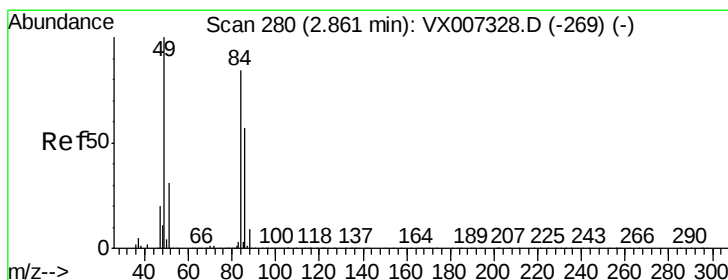
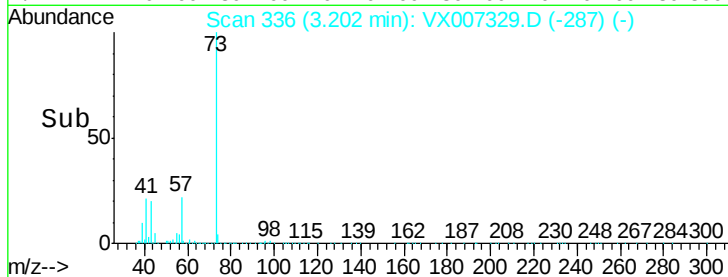
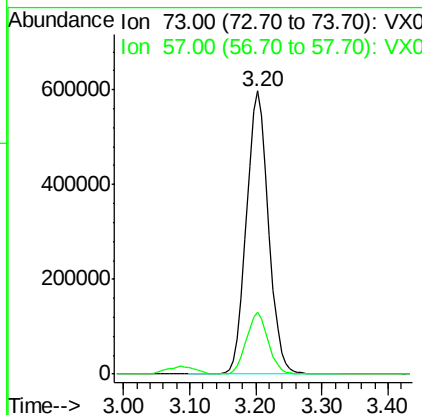
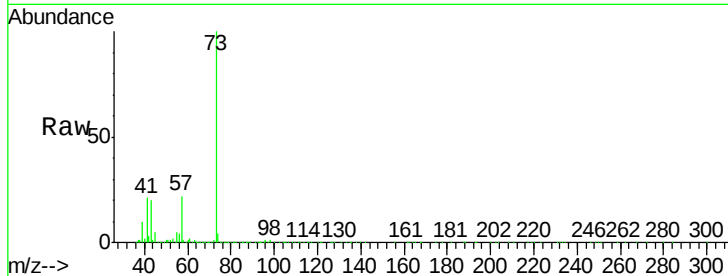
#19
Methyl tert-butyl Ether
Concen: 94.721 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1385942
Ion Ratio Lower Upper
73 100
57 21.8 17.8 26.8

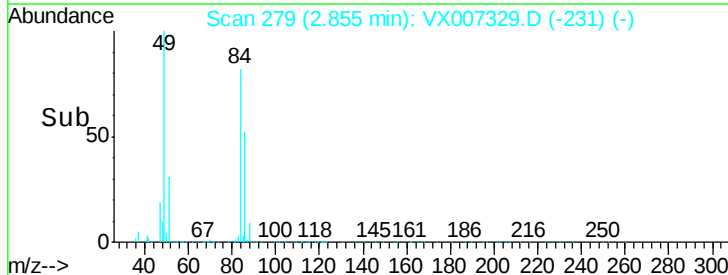
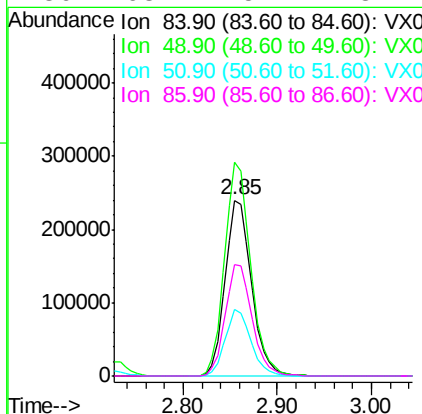
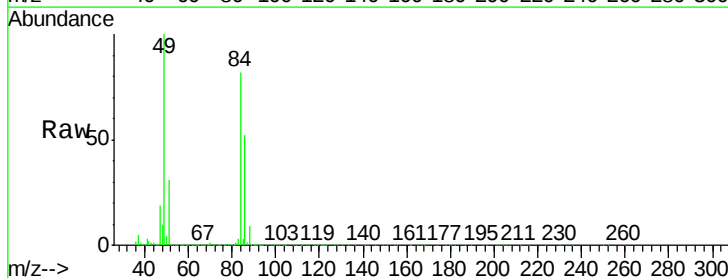
Manual Integrations
APPROVED

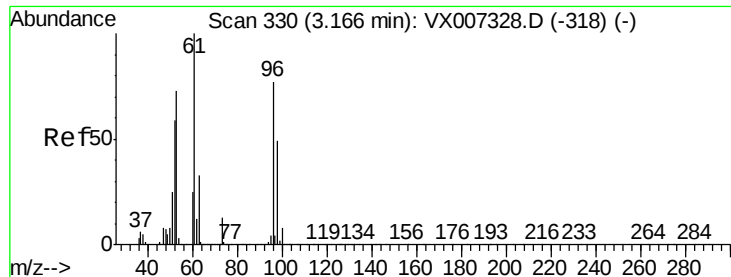
MMDadoda
2/4/2019 9:37:37 AM



#20
Methylene Chloride
Concen: 89.731 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Tgt Ion: 84 Resp: 466519
Ion Ratio Lower Upper
84 100
49 121.6 94.8 142.2
51 37.8 29.8 44.8
86 63.2 54.1 81.1





#21

trans-1,2-Dichloroethene

Concen: 93.206 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Instrument :

MSVOA_X

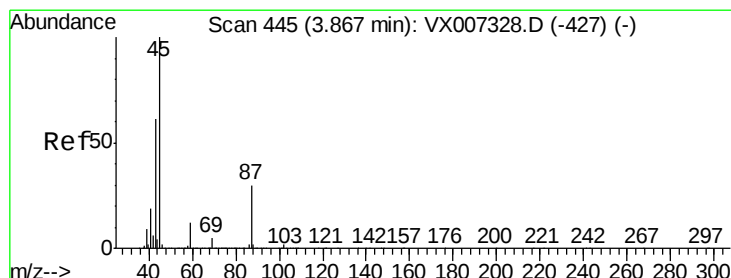
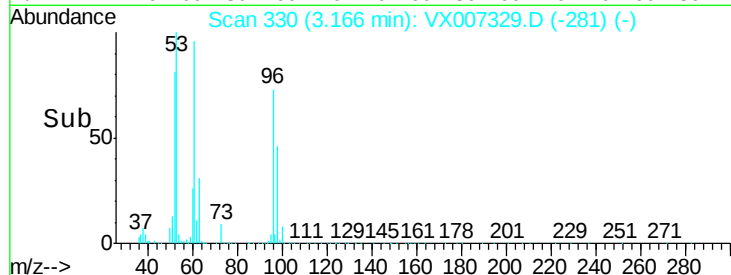
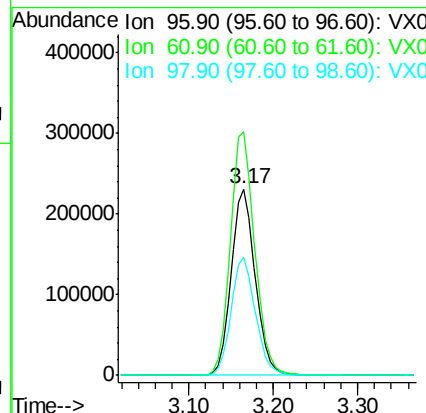
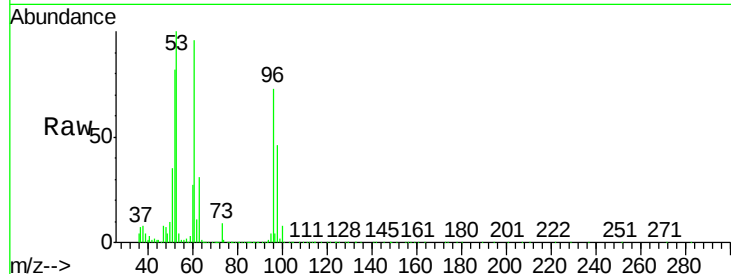
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	448422
Ion Ratio	Lower	Upper	
96	100		
61	130.4	104.6	156.8
98	63.3	51.0	76.4

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



#22

Diisopropyl ether

Concen: 97.161 ug/l

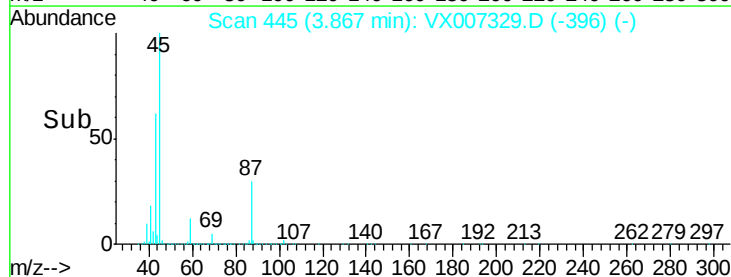
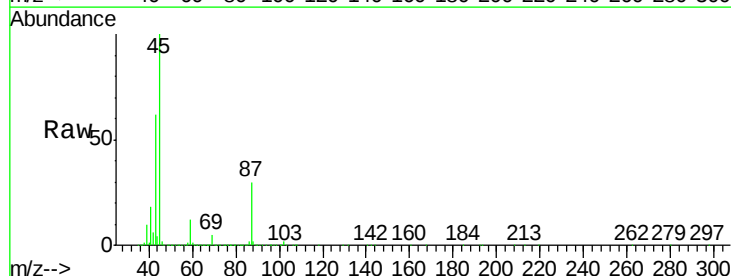
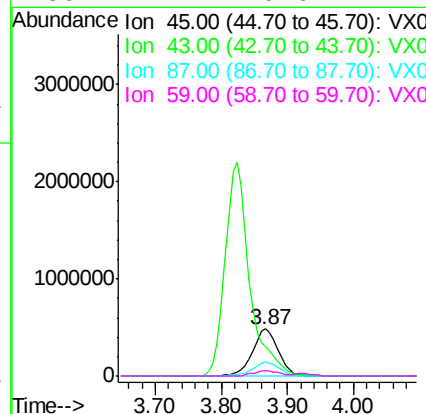
RT: 3.87 min Scan# 445

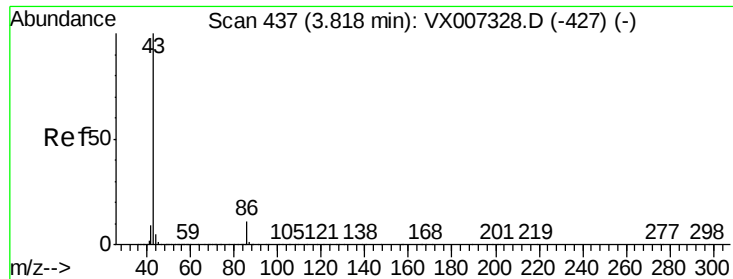
Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Tgt Ion:	45	Resp:	1315187
Ion Ratio	Lower	Upper	
45	100		
43	62.0	48.9	73.3
87	29.8	23.9	35.9
59	12.1	9.6	14.4





#23

Vinyl Acetate

Concen: 503.901 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Tot Ion: 43 Resp: 5660132

Ion Ratio Lower Upper

43 100

86 11.3 8.7 13.1

Instrument :

MSVOA_X

ClientSampleId :

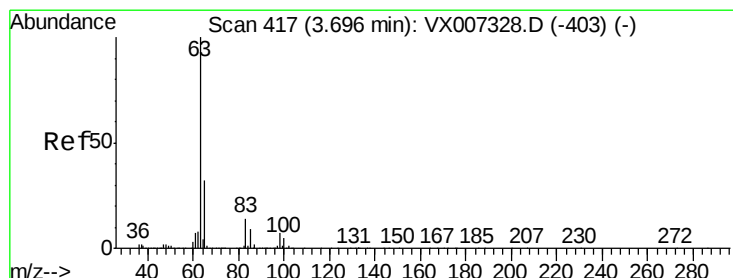
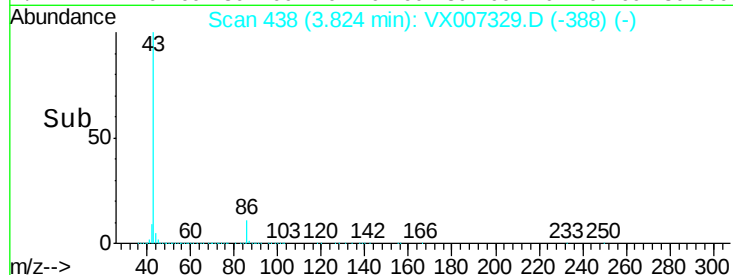
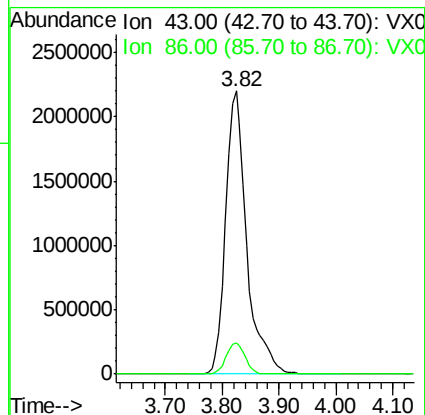
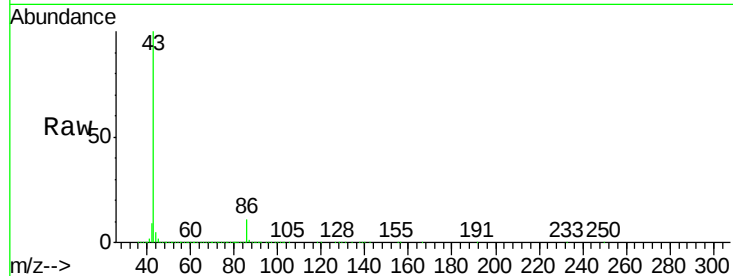
VSTDIC100

Manual Integrations

APPROVED

MMDadoda

2/4/2019 9:37:37 AM



#24

1,1-Dichloroethane

Concen: 93.826 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

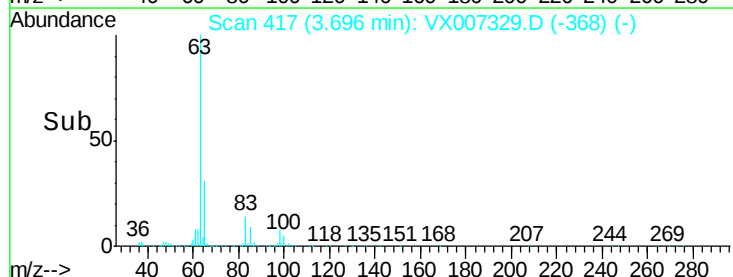
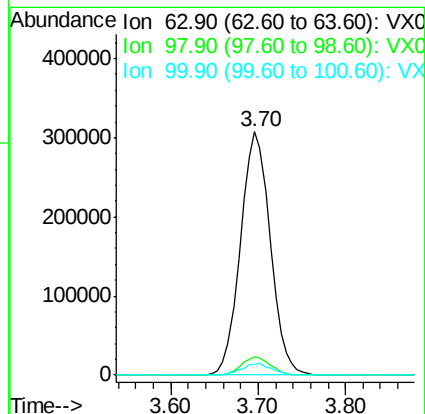
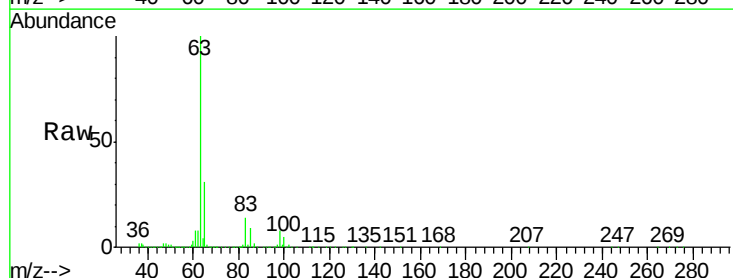
Tgt Ion: 63 Resp: 729357

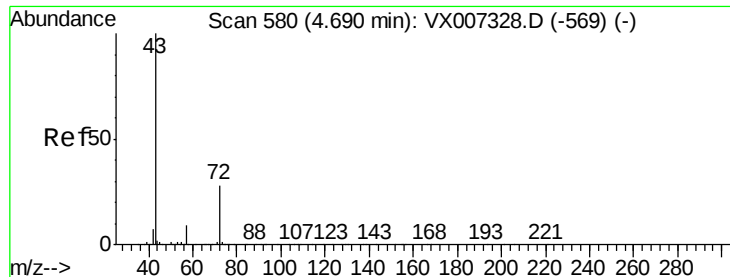
Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.8

100 4.6 2.5 7.4





#25

2-Butanone

Concen: 474.004 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1551403

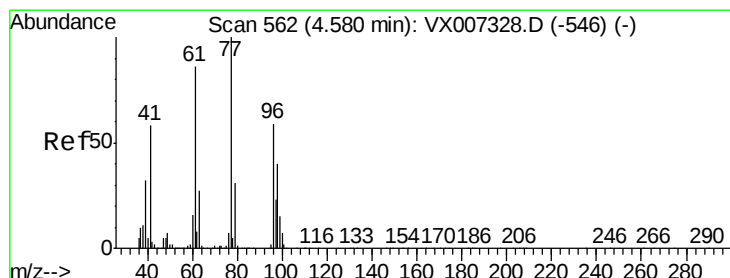
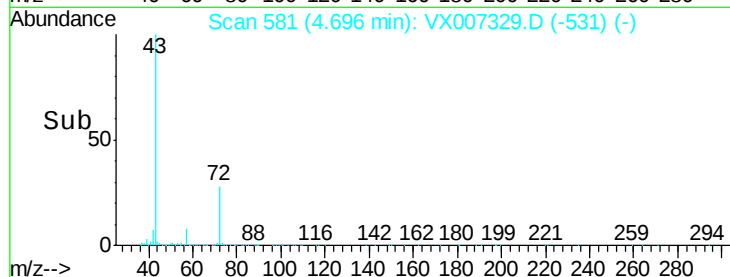
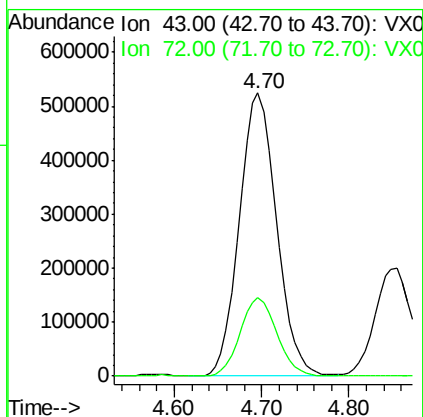
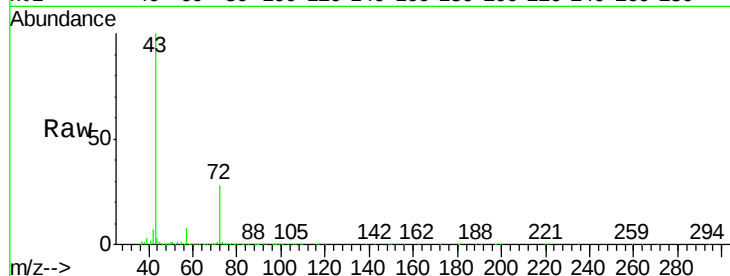
Ion Ratio Lower Upper

43 100

72 27.7 22.2 33.2

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



#26

2,2-Dichloropropane

Concen: 101.584 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX007329.D

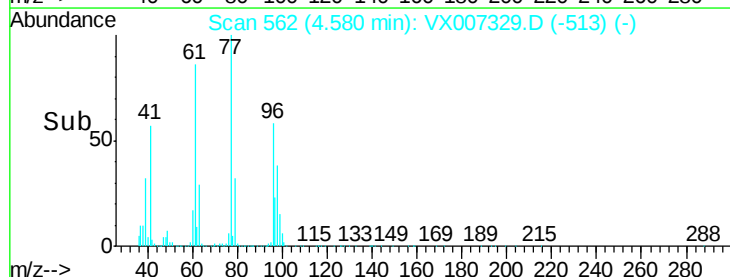
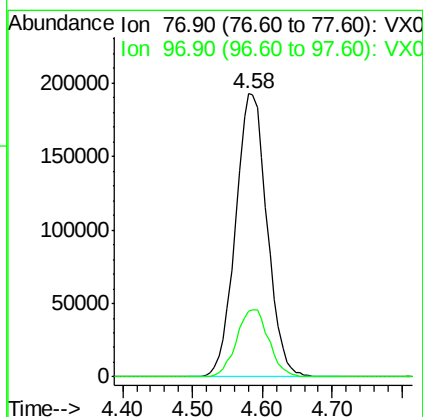
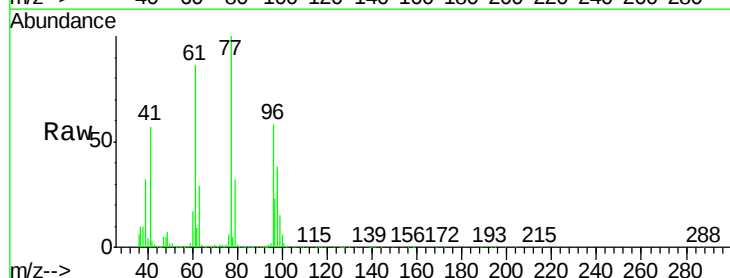
Acq: 01 Feb 2019 11:22

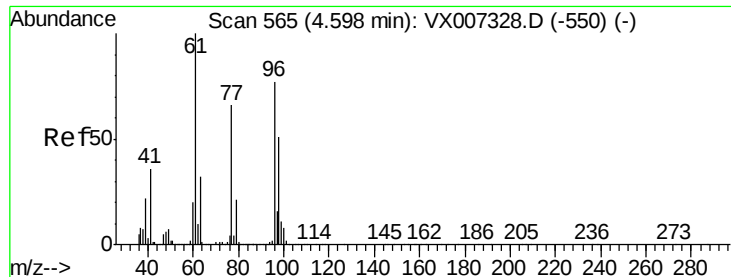
Tgt Ion: 77 Resp: 601370

Ion Ratio Lower Upper

77 100

97 24.5 12.1 36.3





#27

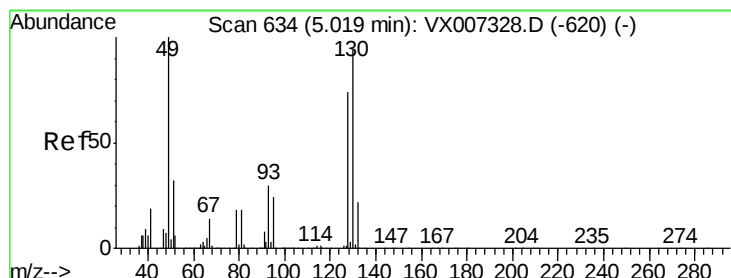
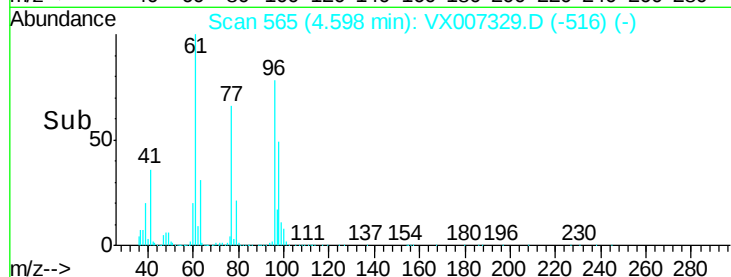
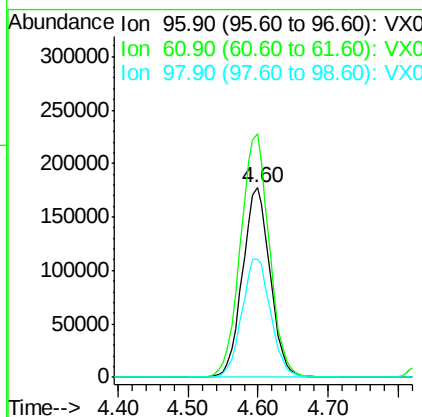
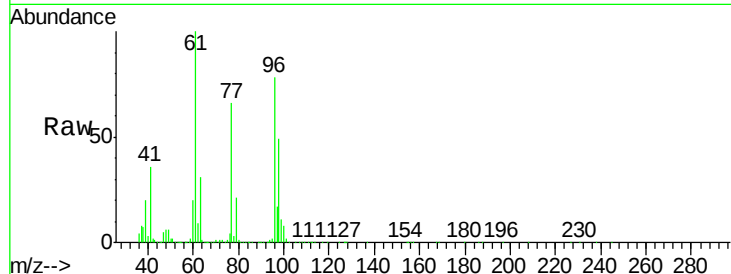
cis-1,2-Dichloroethene
Concen: 92.629 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.1	0.0	265.6
98	64.9	0.0	131.6

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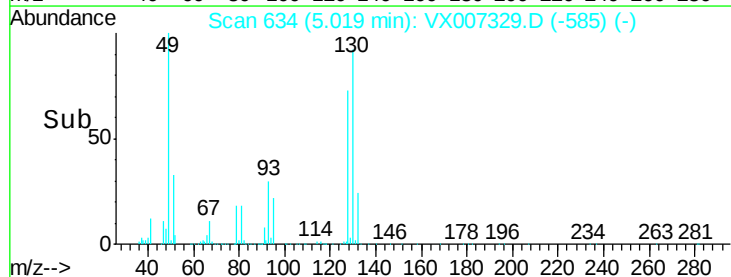
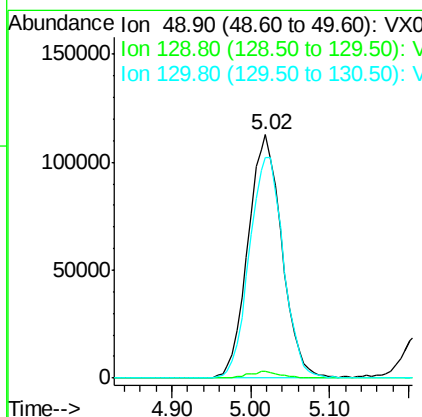
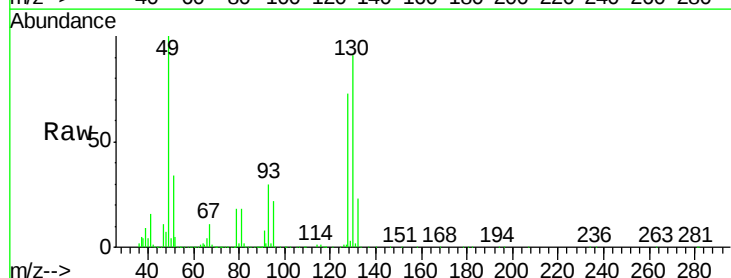
MMDadoda
2/4/2019 9:37:37 AM



#28

Bromochloromethane
Concen: 93.832 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.6
130	91.7	75.6	113.4





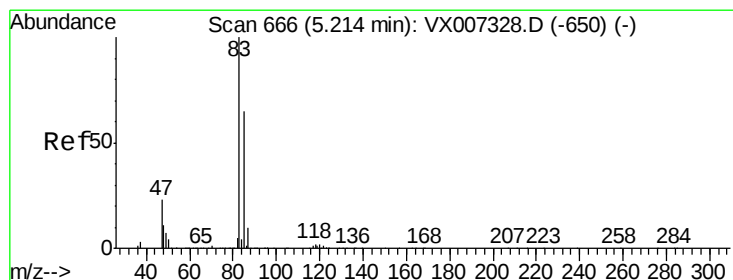
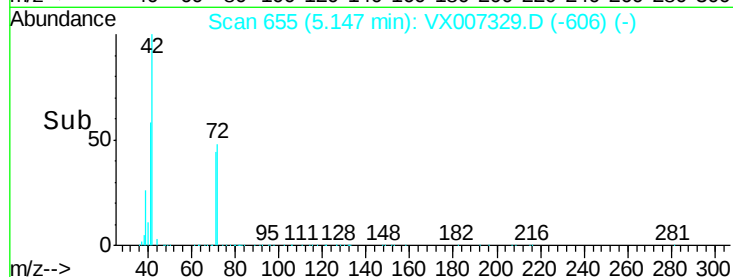
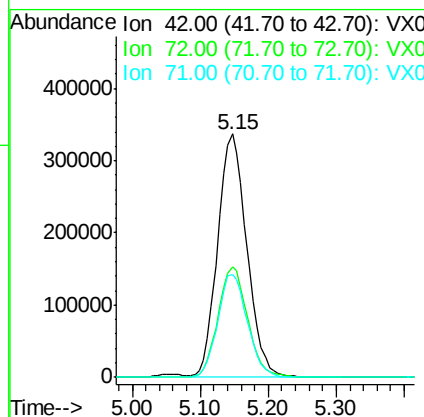
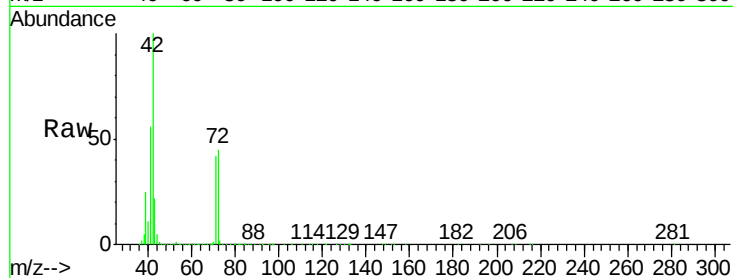
#29
Tetrahydrofuran
Concen: 486.786 ug/l
RT: 5.15 min Scan# 655
Delta R.T. 0.00 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	37.6	56.4
71	43.2	34.6	51.8

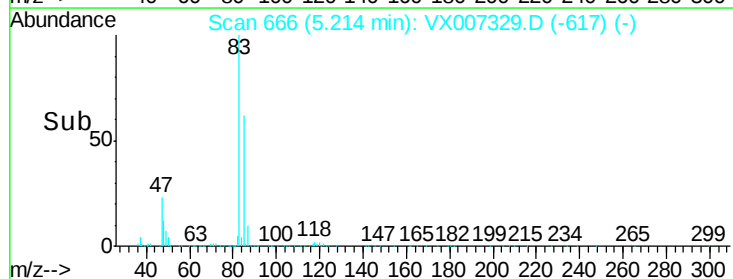
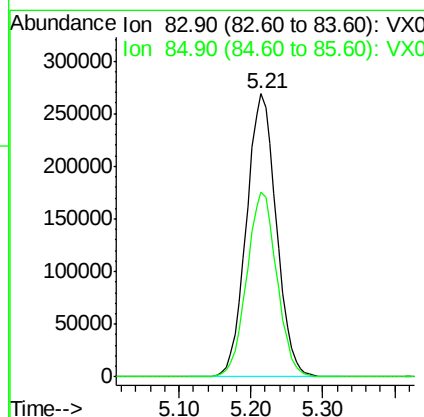
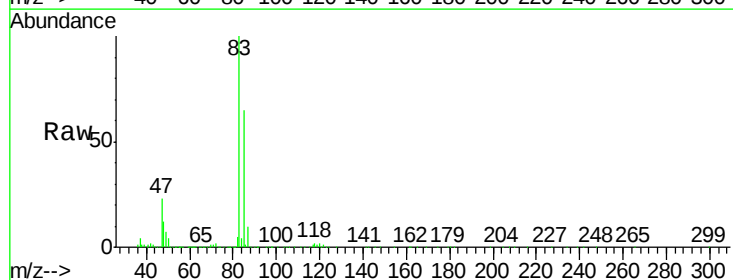
Manual Integrations
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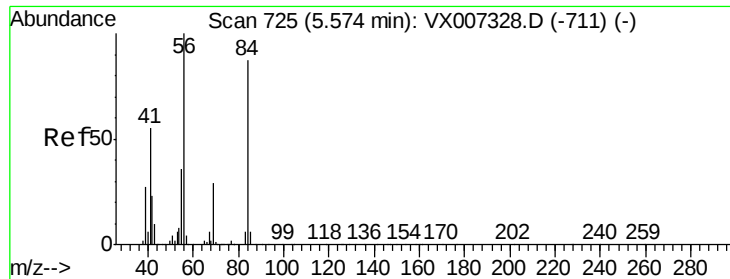
MMDadoda
2/4/2019 9:37:37 AM



#30
Chloroform
Concen: 95.567 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.6	77.4





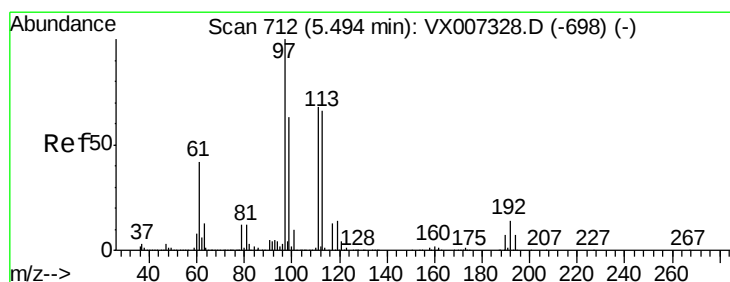
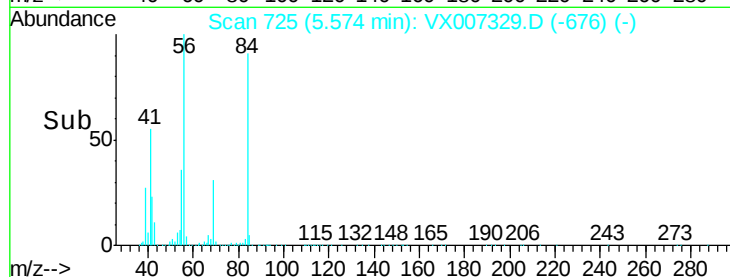
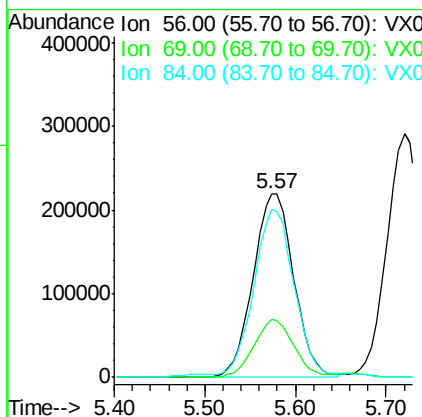
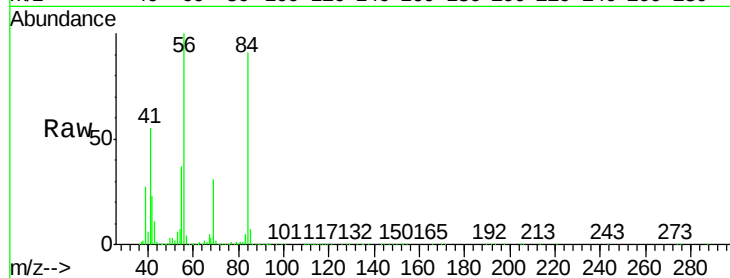
#31
Cyclohexane
Concen: 97.055 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	23.0	34.6
84	90.1	69.8	104.6

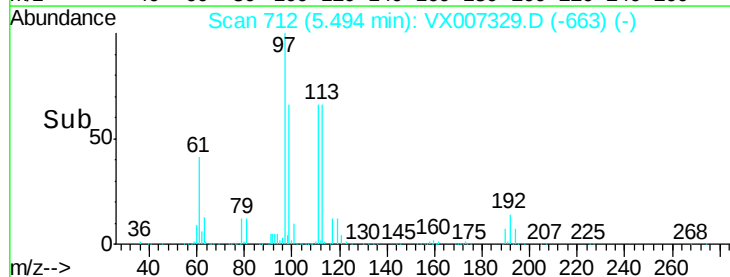
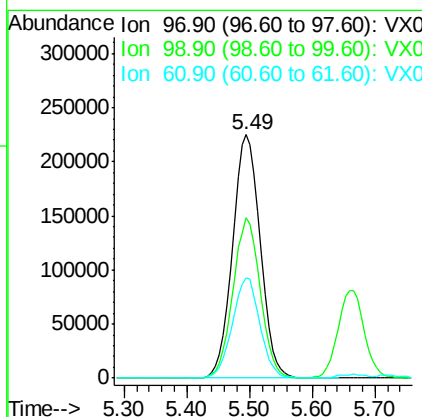
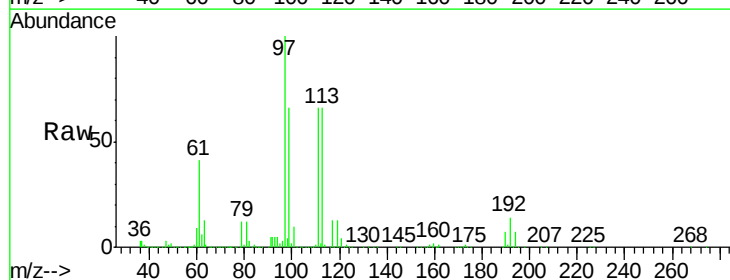
Manual Integrations
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2/4/2019 9:37:37 AM



#32
1,1,1-Trichloroethane
Concen: 100.233 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.2	78.2
61	40.9	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 96.994 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 486977

Ion Ratio Lower Upper

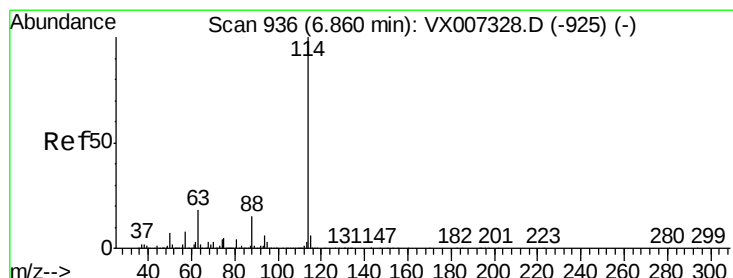
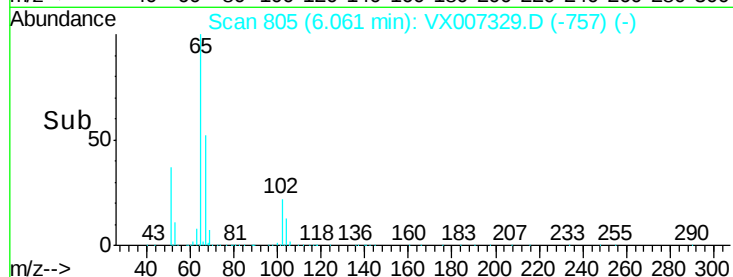
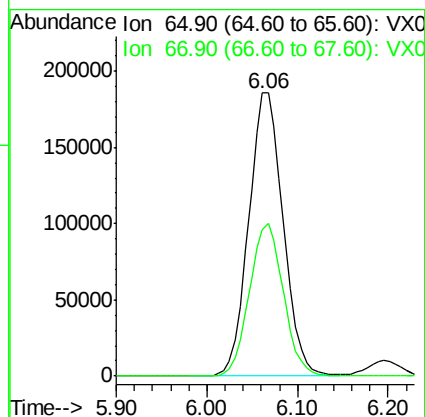
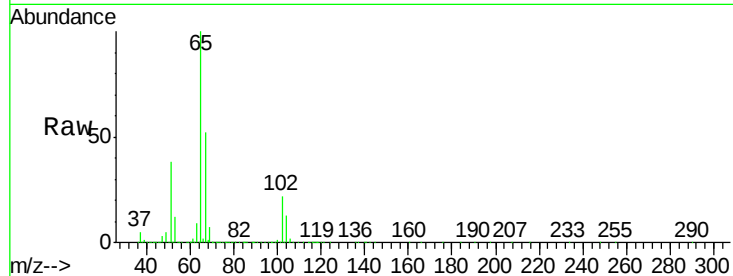
65 100

67 53.4 0.0 108.8

Manual Integrations
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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: VX007329.D

Acq: 01 Feb 2019 11:22

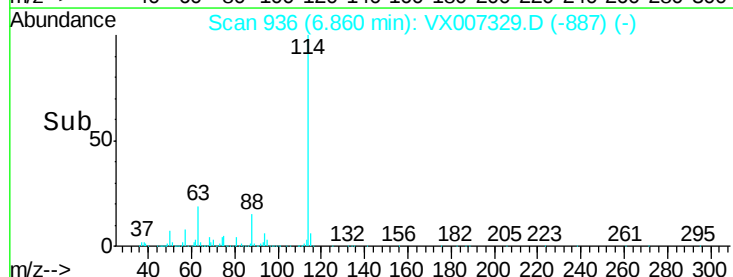
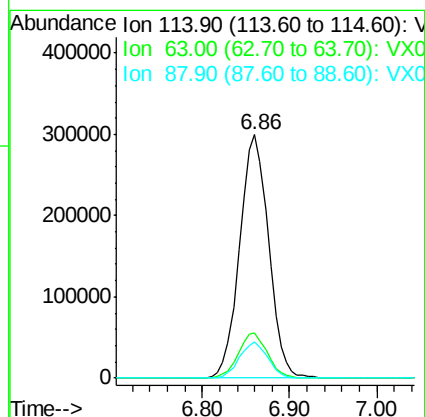
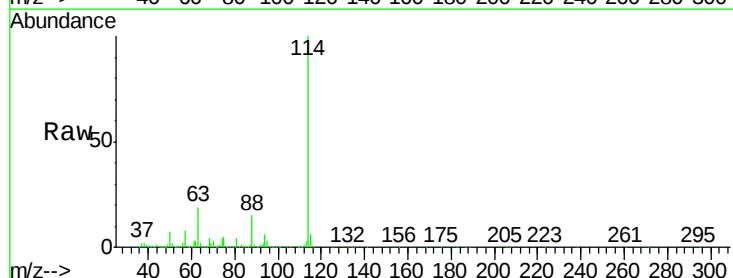
Tgt Ion: 114 Resp: 692202

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.6

88 14.6 0.0 29.6





#35

Dibromofluoromethane

Concen: 98.730 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Instrument :

MSVOA_X

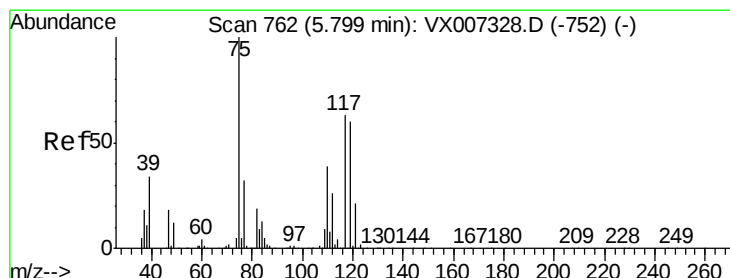
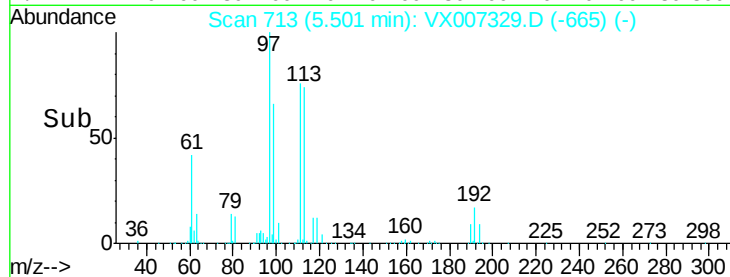
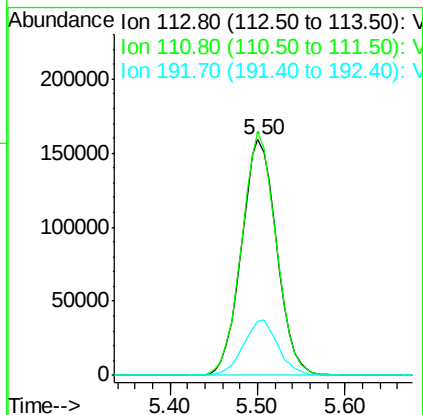
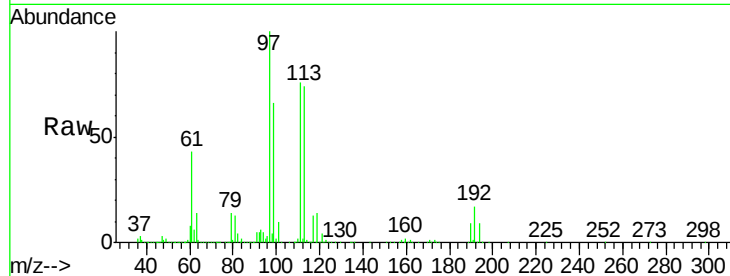
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	444673
Ion Ratio	Lower	Upper	
113	100		
111	101.3	81.8	122.8
192	22.9	18.5	27.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 94.735 ug/l

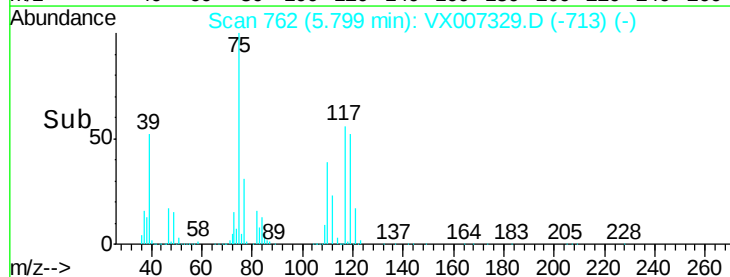
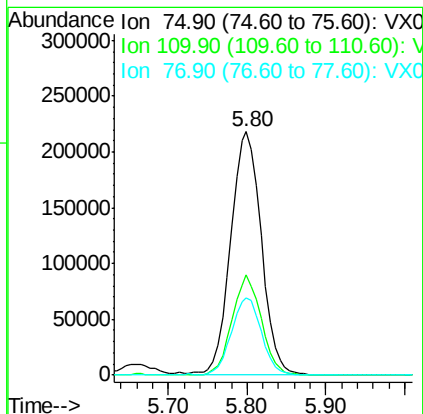
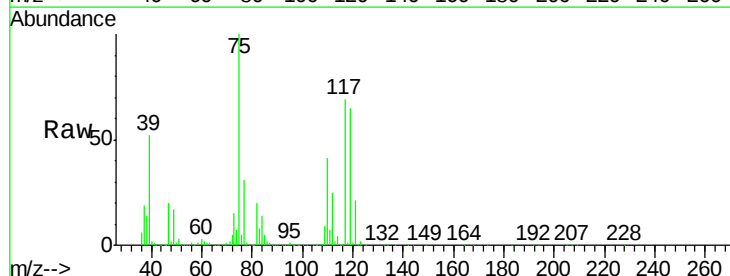
RT: 5.80 min Scan# 762

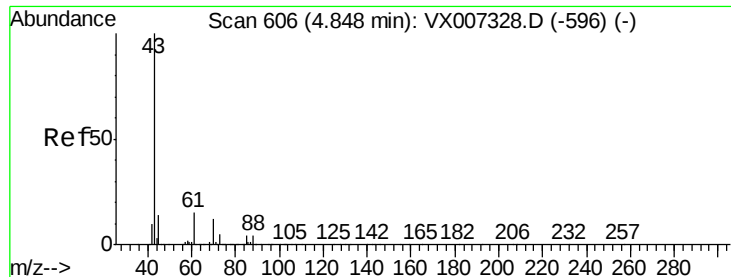
Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Tgt Ion:	75	Resp:	588369
Ion Ratio	Lower	Upper	
75	100		
110	39.1	20.0	59.9
77	30.9	24.7	37.1





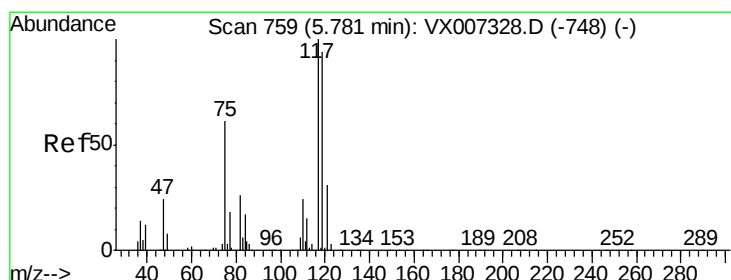
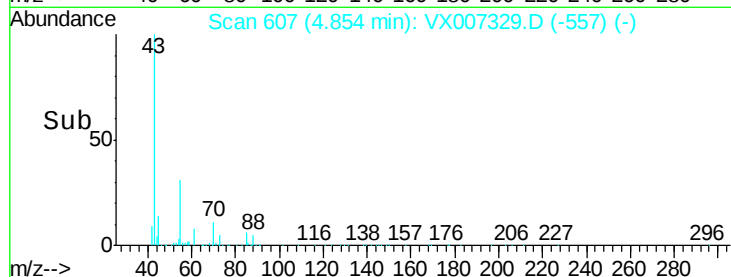
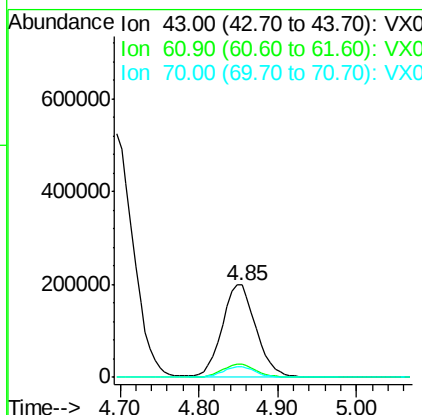
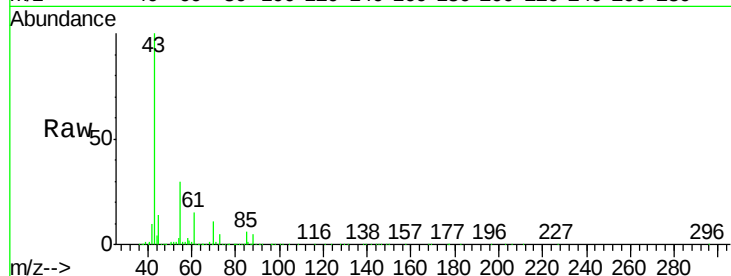
#37
Ethyl Acetate
Concen: 94.162 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:	43	Resp:	591171
Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.3	16.9
70	10.8	8.6	13.0

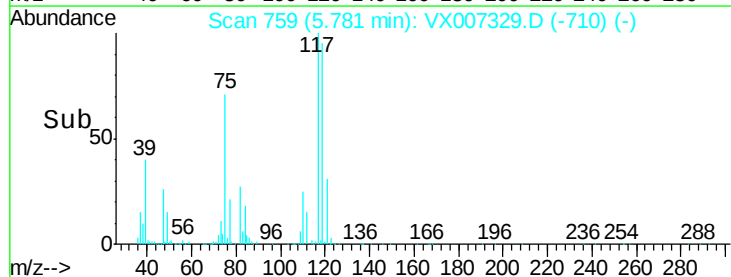
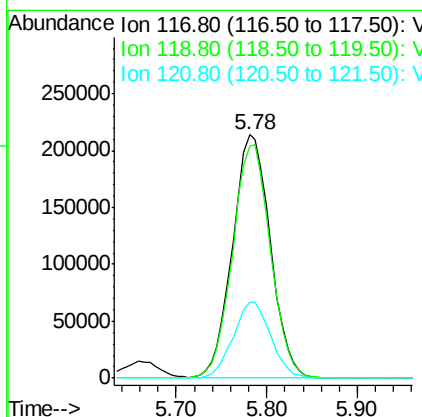
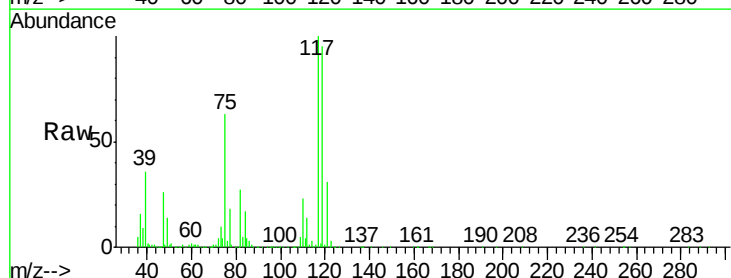
Manual Integrations
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2/4/2019 9:37:37 AM



#38
Carbon Tetrachloride
Concen: 102.859 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Tgt Ion:	117	Resp:	619761
Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.3	112.9
121	31.4	25.0	37.4





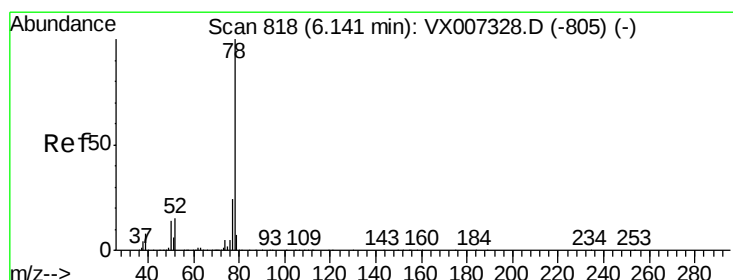
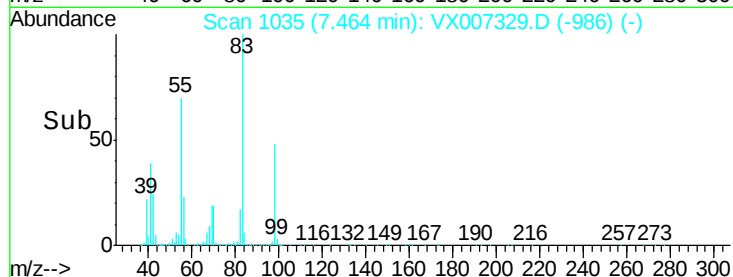
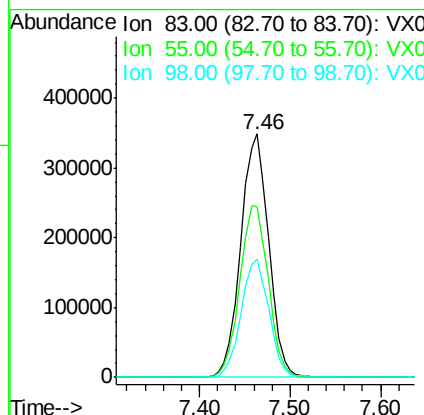
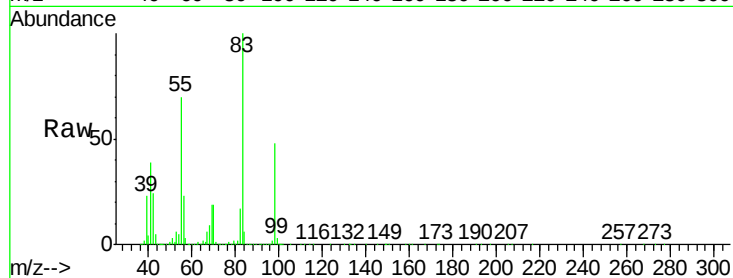
#39
Methvlcvclohexane
Concen: 98.996 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.3	56.2	84.2
98	48.3	36.8	55.2

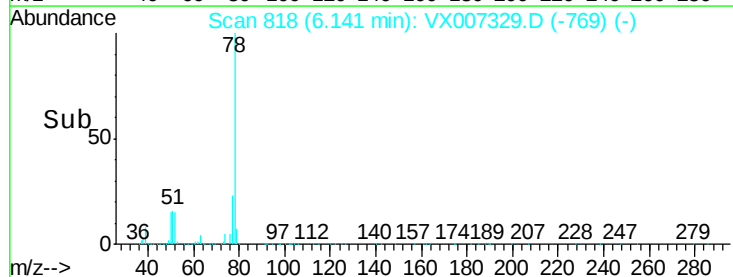
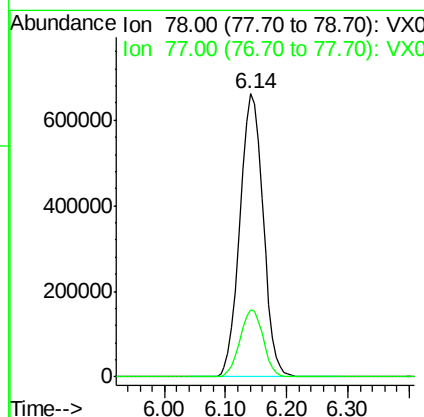
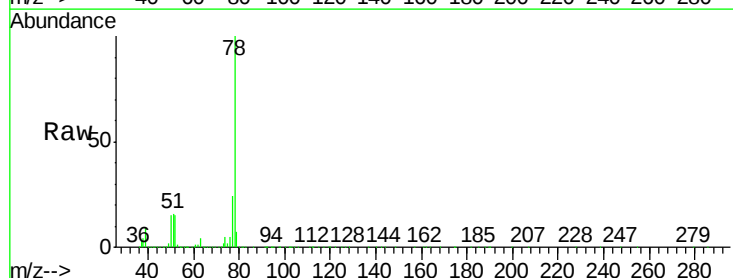
Manual Integrations
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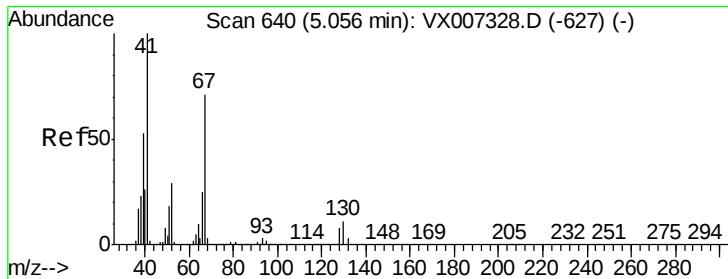
MMDadoda
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#40
Benzene
Concen: 94.782 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.3	28.9





#41

Methacrylonitrile

Concen: 96.648 ug/l

RT: 5.06 min Scan# 640

Delta R.T. 0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Instrument :

MSVOA_X

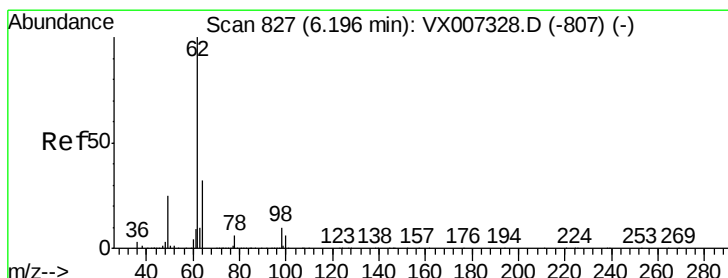
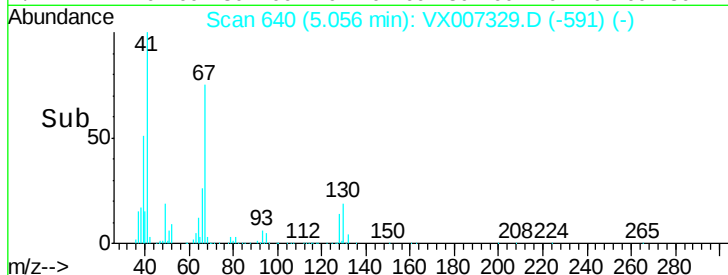
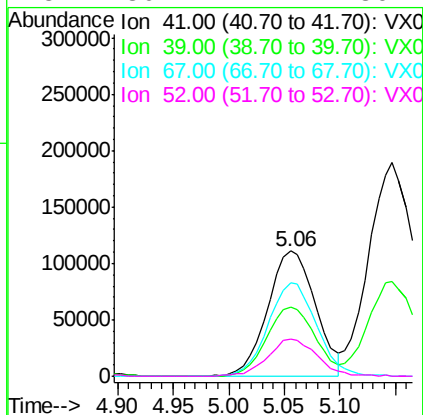
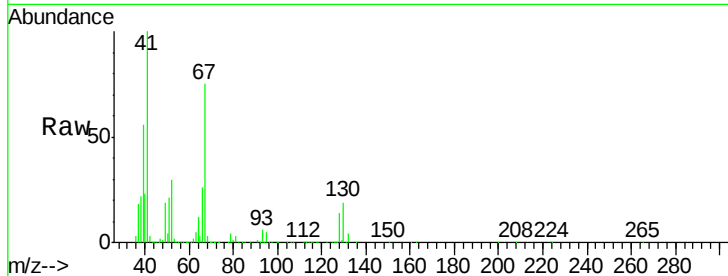
ClientSampled :

VSTDICC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		331611		
39	55.5	44.5	66.7		
67	75.8	60.4	90.6		
52	30.2	24.1	36.1		

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



#42

1,2-Dichloroethane

Concen: 93.009 ug/l

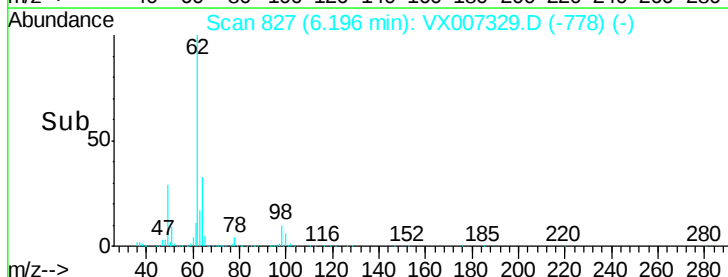
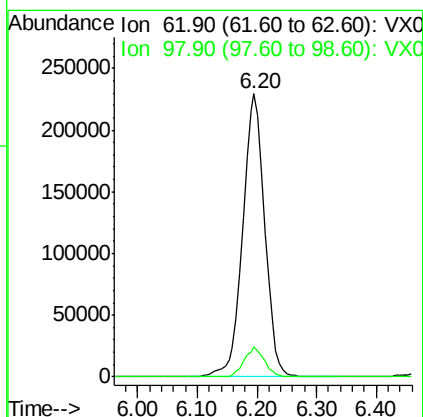
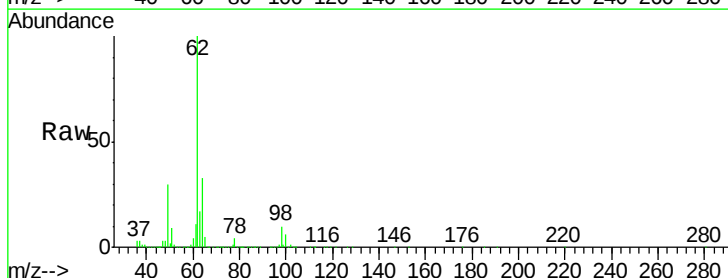
RT: 6.20 min Scan# 827

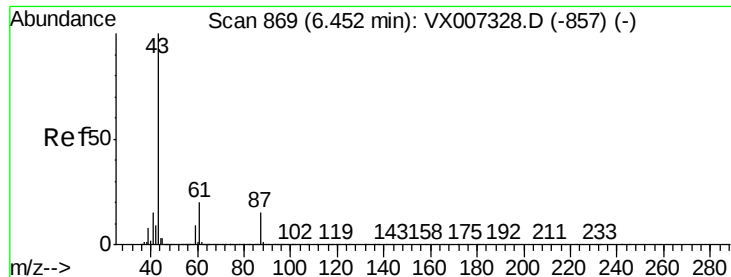
Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		588742		
98	9.8	0.0	19.0		





#43

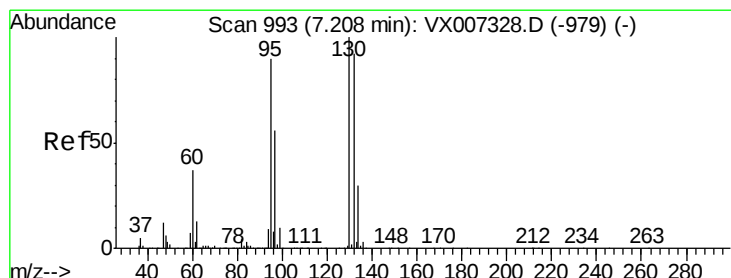
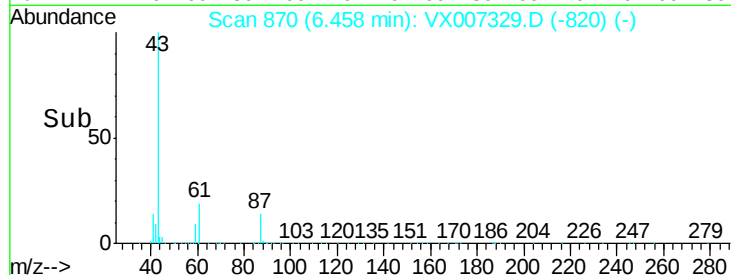
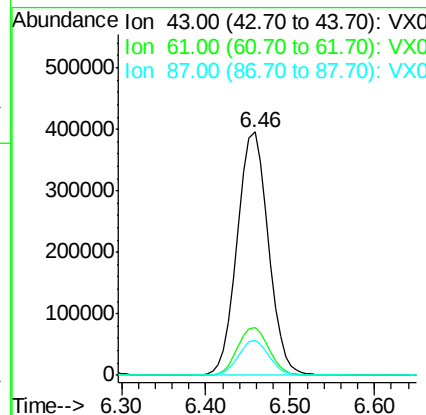
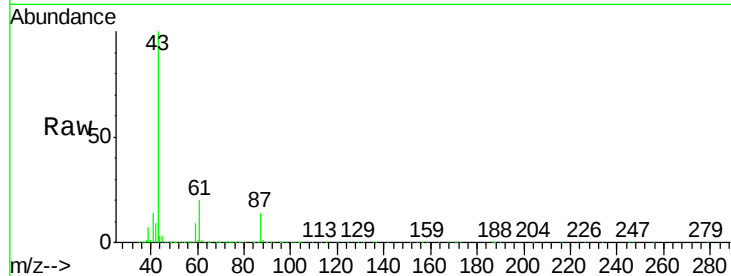
Isopropyl Acetate
 Concen: 101.923 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.01 min
 Lab File: VX007329.D
 Acq: 01 Feb 2019 11:22

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.1	24.1
87	14.3	11.5	17.3

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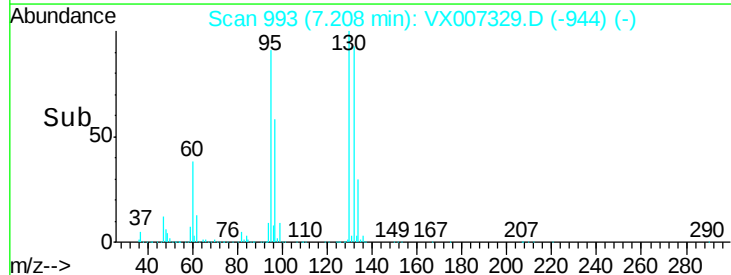
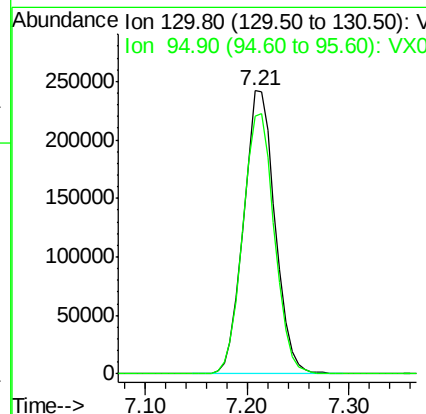
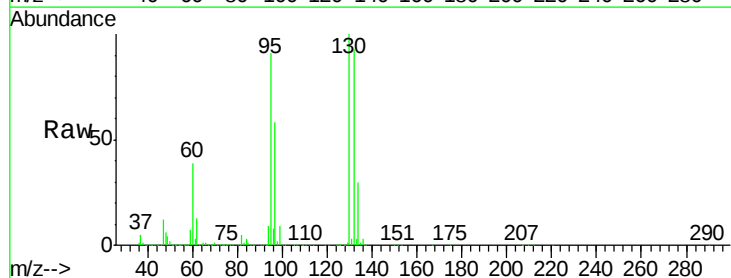
MMDadoda
 2/4/2019 9:37:37 AM

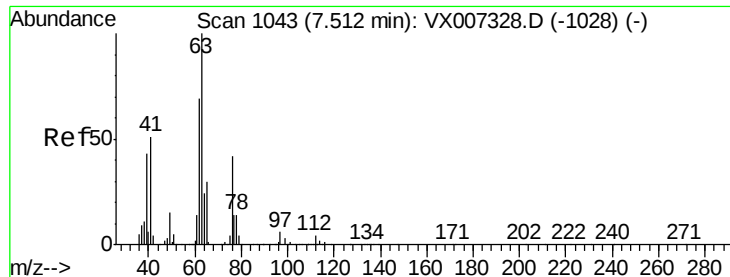


#44

Trichloroethene
 Concen: 93.706 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VX007329.D
 Acq: 01 Feb 2019 11:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.2	0.0	180.0





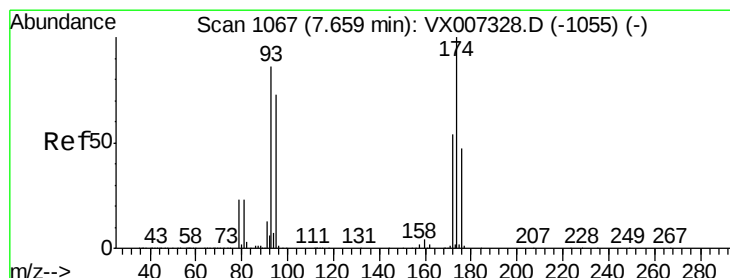
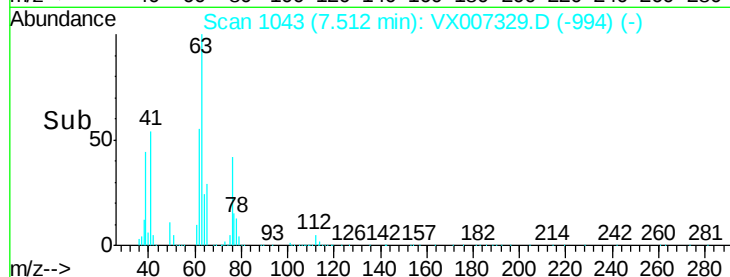
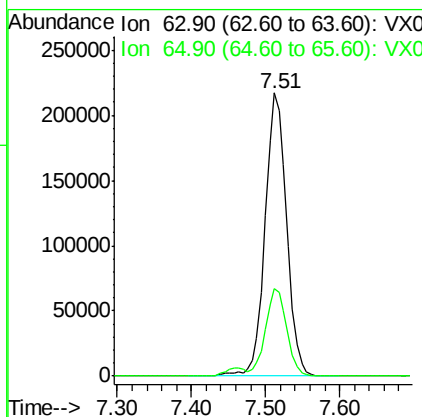
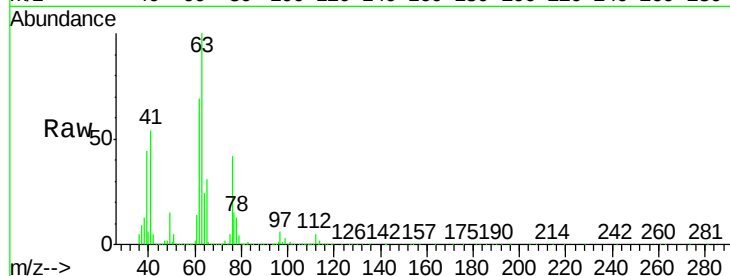
#45
 1,2-Dichloropropane
 Concen: 95.947 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX007329.D
 Acq: 01 Feb 2019 11:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.2	36.2

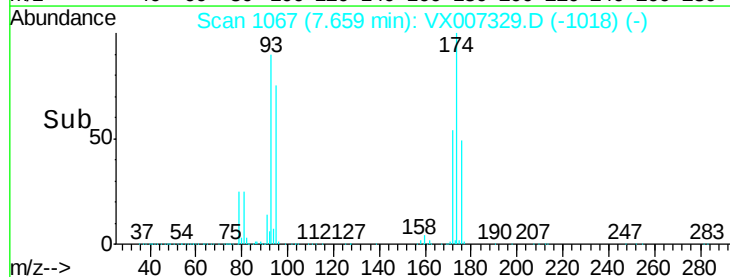
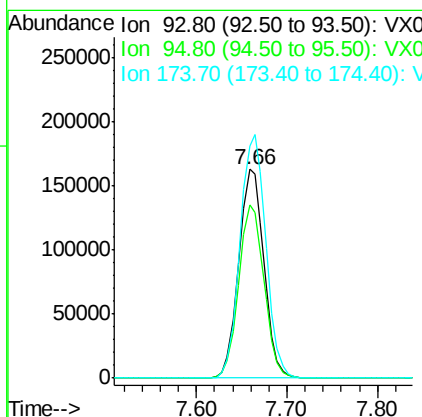
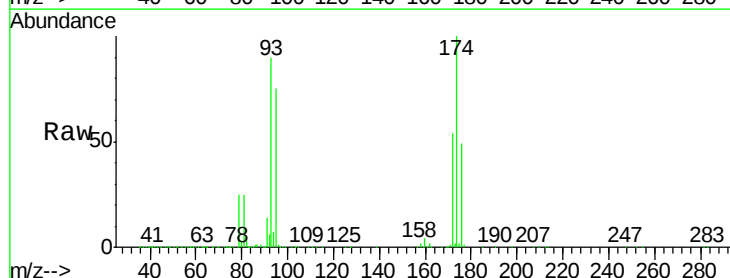
Manual Integrations
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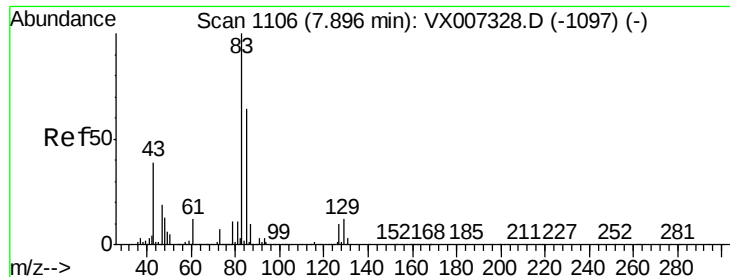
MMDadoda
 2/4/2019 9:37:37 AM



#46
 Dibromomethane
 Concen: 94.223 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX007329.D
 Acq: 01 Feb 2019 11:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	67.6	101.4
174	118.8	94.2	141.4





#47

Bromodichloromethane

Concen: 103.623 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Instrument :

MSVOA_X

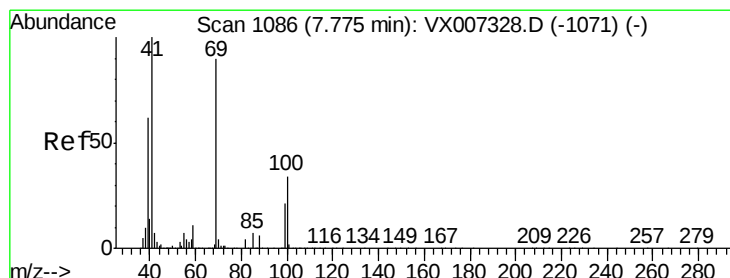
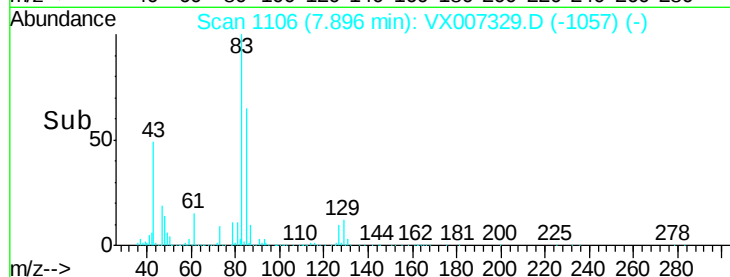
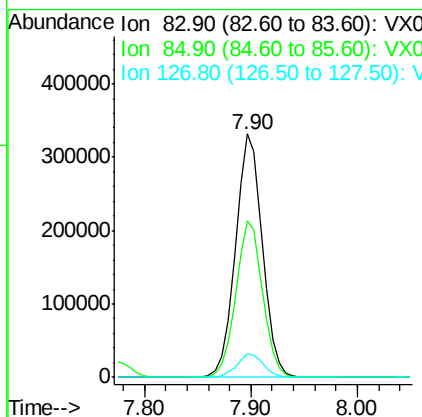
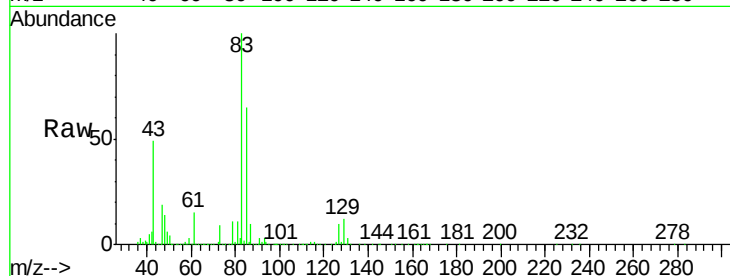
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	585081
Ion Ratio	Lower	Upper	
83	100		
85	64.5	51.4	77.0
127	9.6	8.1	12.1

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



#48

Methyl methacrylate

Concen: 105.655 ug/l

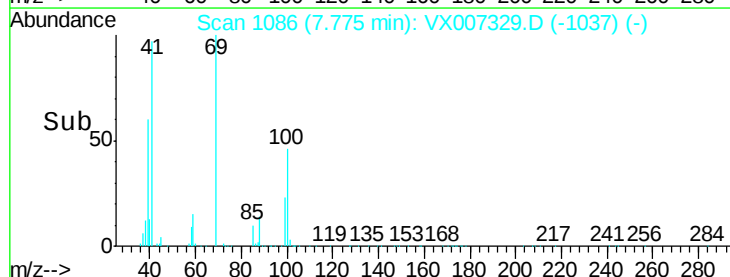
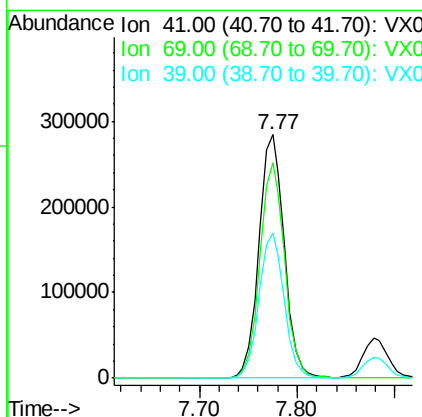
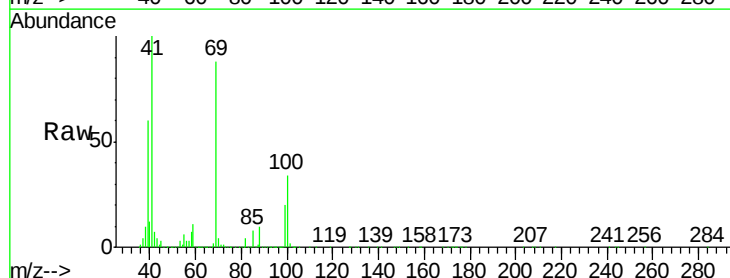
RT: 7.77 min Scan# 1086

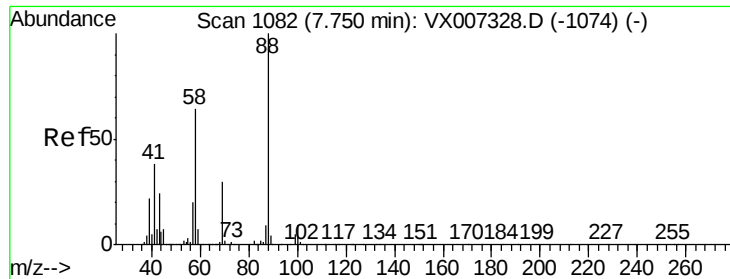
Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Tgt Ion:	41	Resp:	512131
Ion Ratio	Lower	Upper	
41	100		
69	87.0	70.2	105.4
39	59.0	47.4	71.0





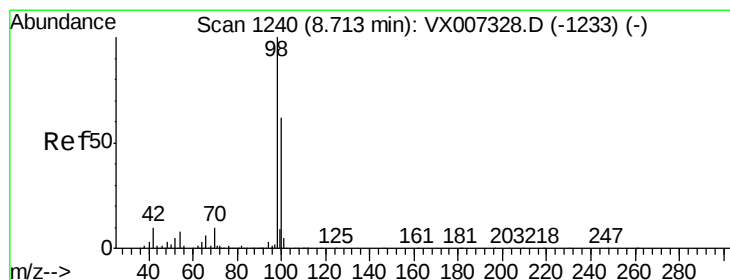
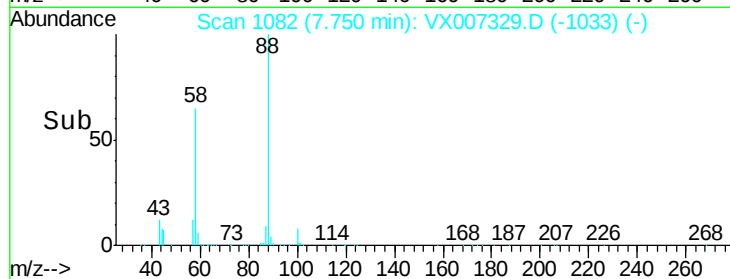
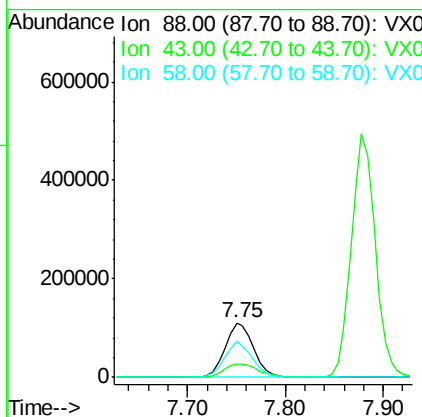
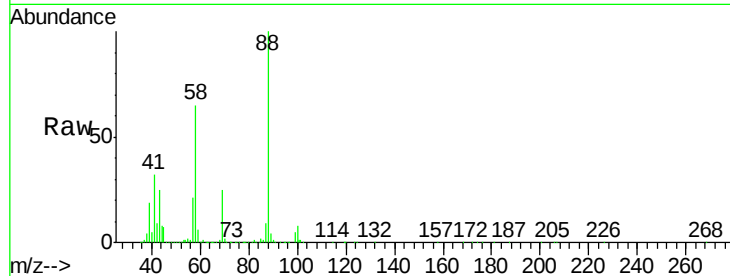
#49
1,4-Dioxane
Concen: 1817.902 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.5	24.2	36.4
58	64.5	53.0	79.4

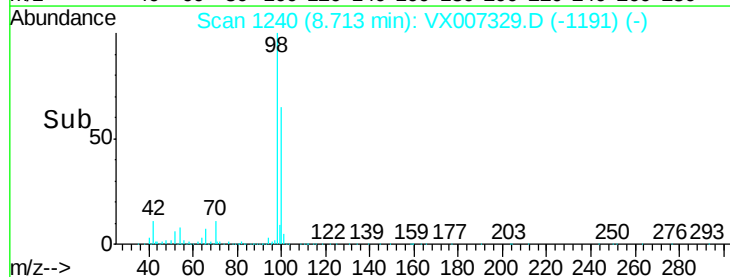
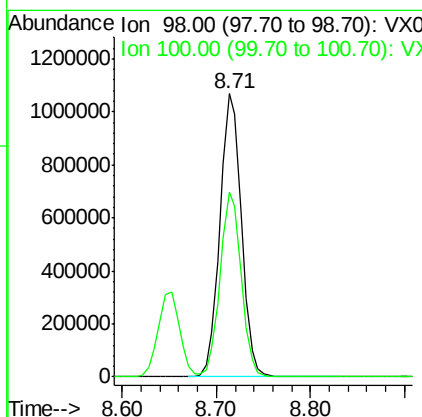
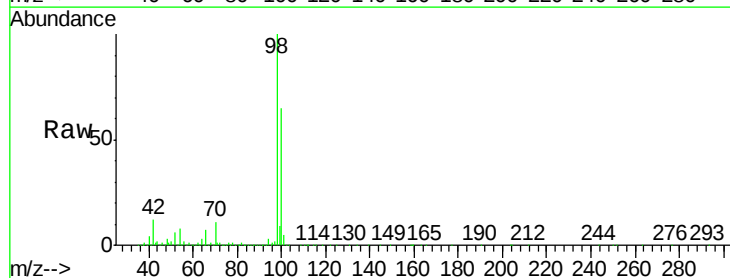
Manual Integrations
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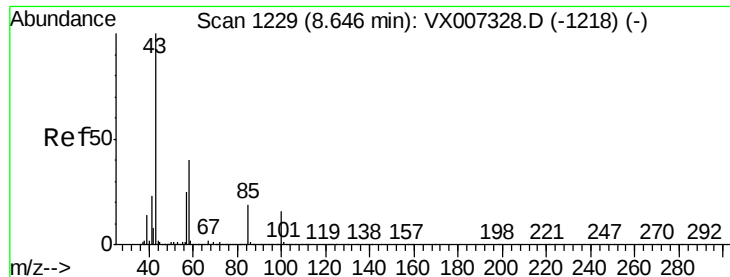
MMDadoda
2/4/2019 9:37:37 AM



#50
Toluene-d8
Concen: 100.915 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 501.152 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3197023

Ion Ratio Lower Upper

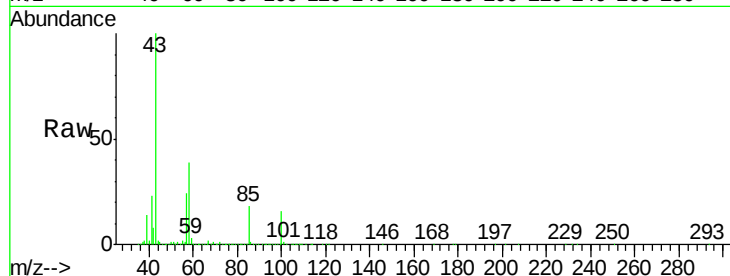
43 100

58 39.2 31.2 46.8

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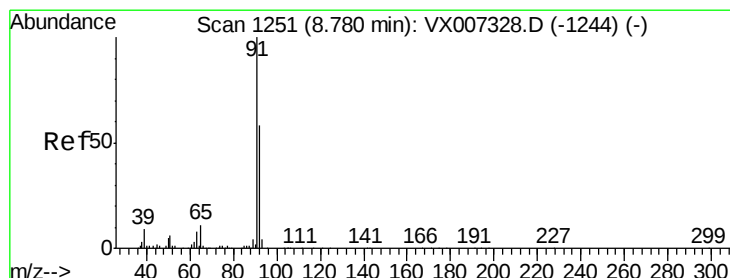
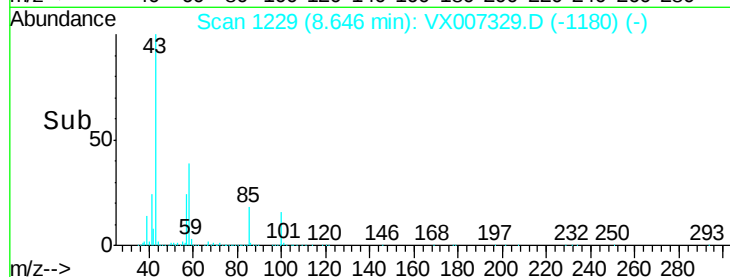
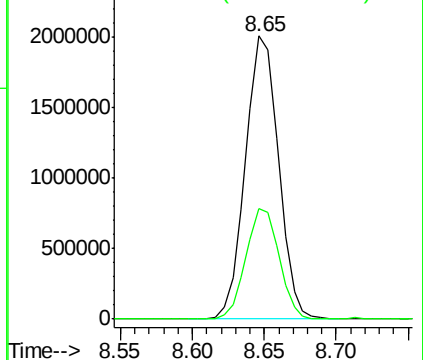
MMDadoda

2/4/2019 9:37:37 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 98.009 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007329.D

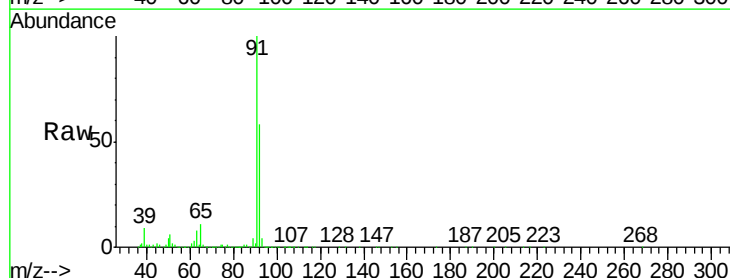
Acq: 01 Feb 2019 11:22

Tgt Ion: 92 Resp: 1156860

Ion Ratio Lower Upper

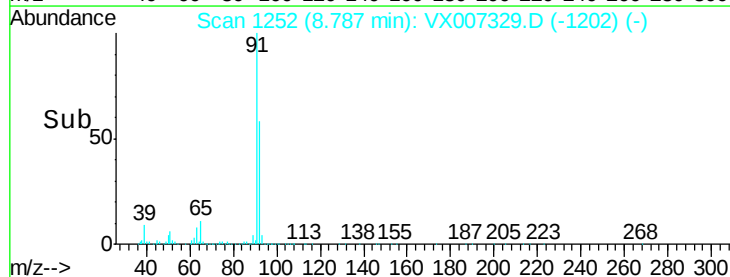
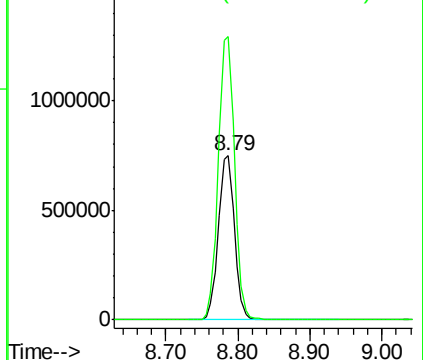
92 100

91 174.5 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 112.339 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 681320

Ion Ratio Lower Upper

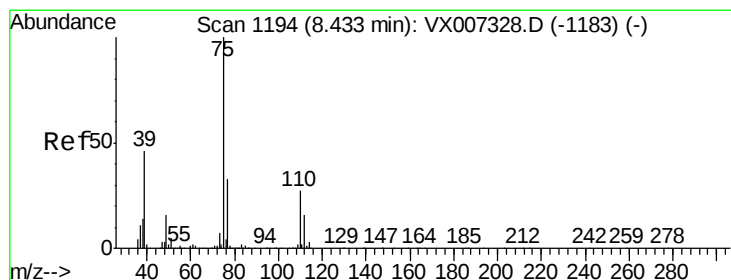
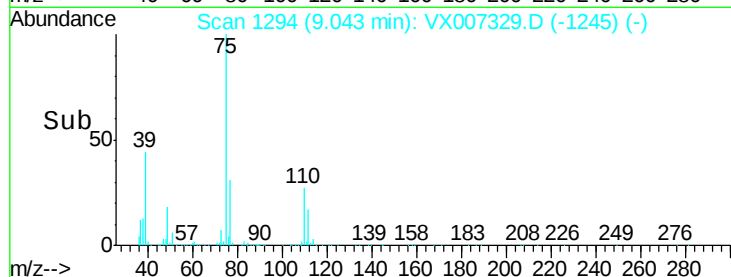
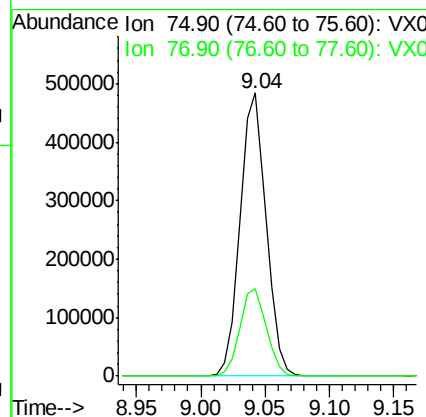
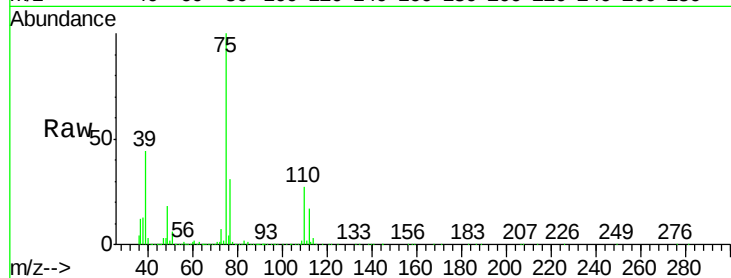
75 100

77 30.9 25.2 37.8

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#54

cis-1,3-Dichloropropene

Concen: 107.486 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

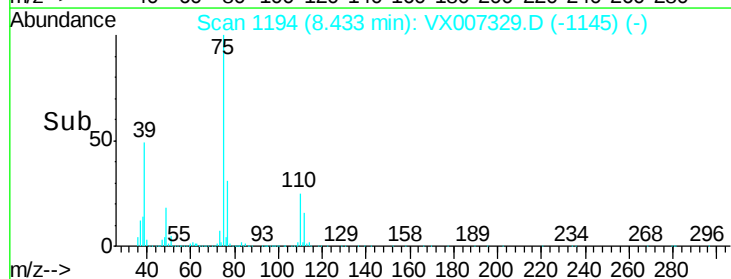
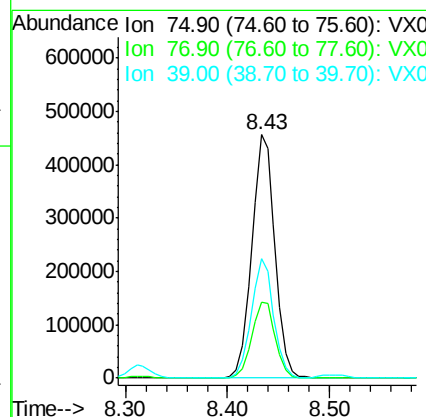
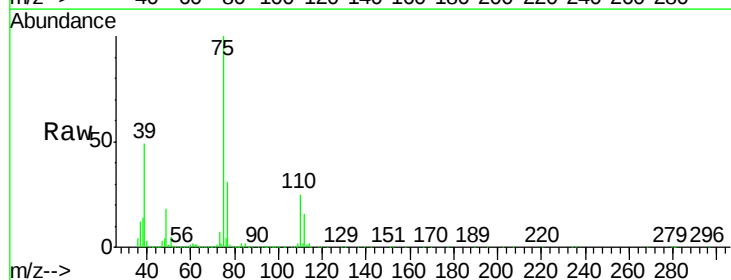
Tgt Ion: 75 Resp: 716887

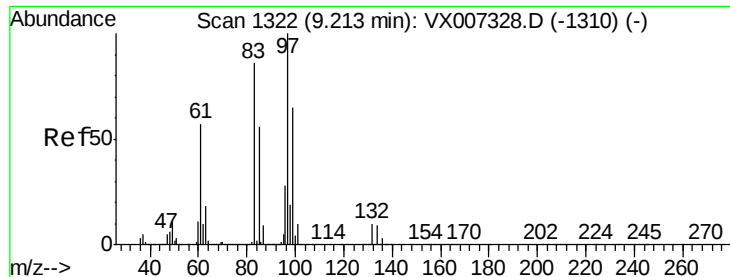
Ion Ratio Lower Upper

75 100

77 31.1 26.2 39.4

39 49.2 37.1 55.7





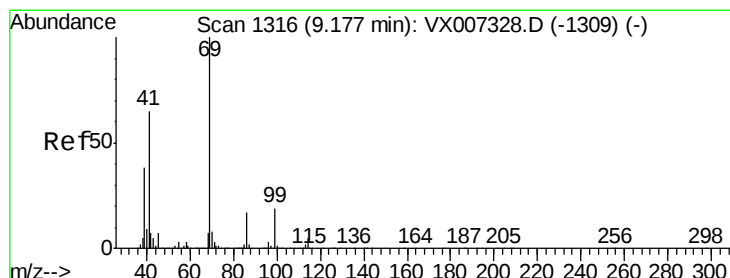
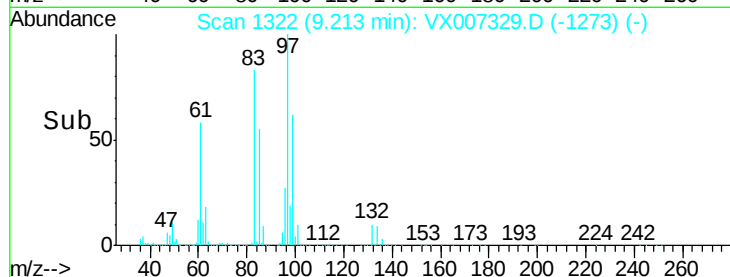
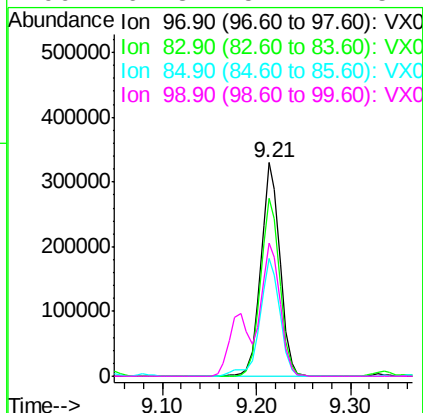
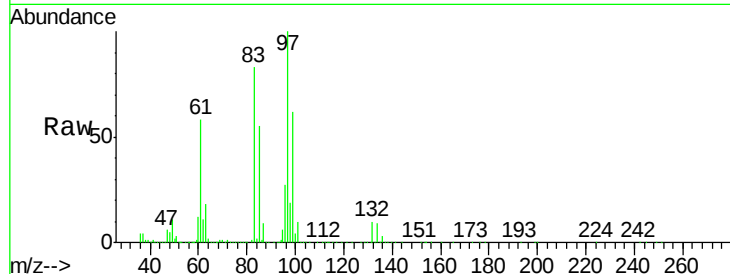
#55
 1,1,2-Trichloroethane
 Concen: 95.998 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX007329.D
 Acq: 01 Feb 2019 11:22

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		472336		
83	83.2	68.6	102.8		
85	55.0	44.5	66.7		
99	62.3	52.2	78.4		

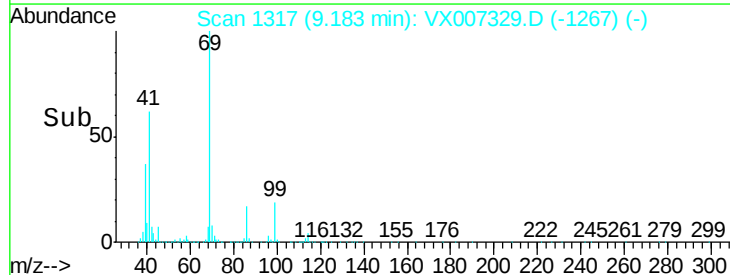
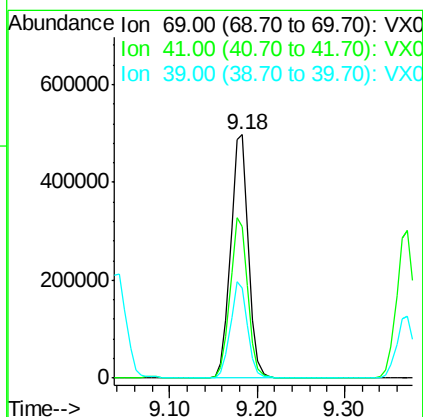
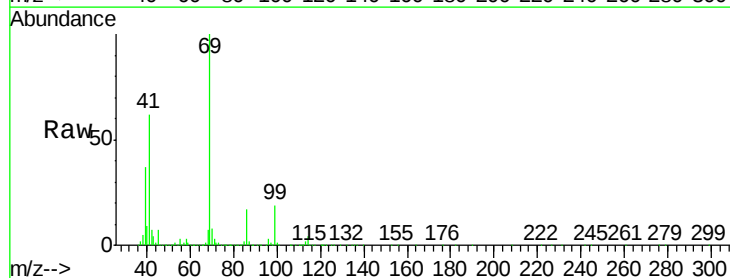
Manual Integrations
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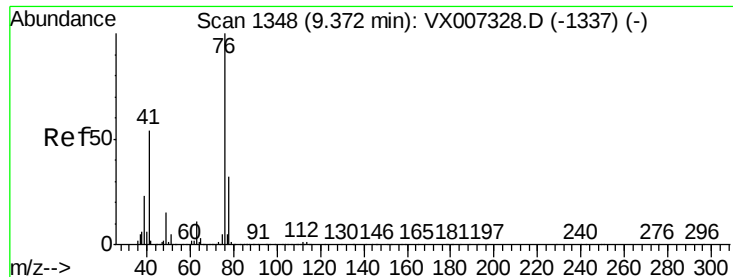
MMDadoda
 2/4/2019 9:37:37 AM



#56
 Ethyl methacrylate
 Concen: 103.456 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VX007329.D
 Acq: 01 Feb 2019 11:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		705016		
41	65.0	52.1	78.1		
39	37.9	30.1	45.1		





#57

1,3-Dichloropropane

Concen: 96.923 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 758393

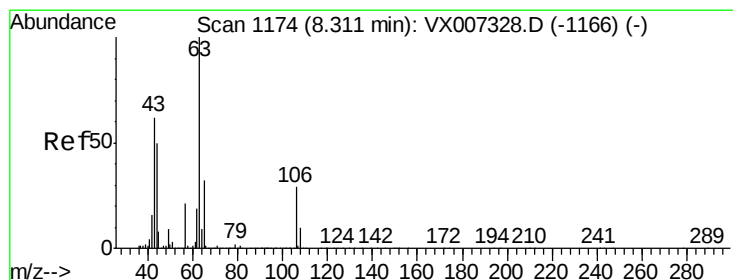
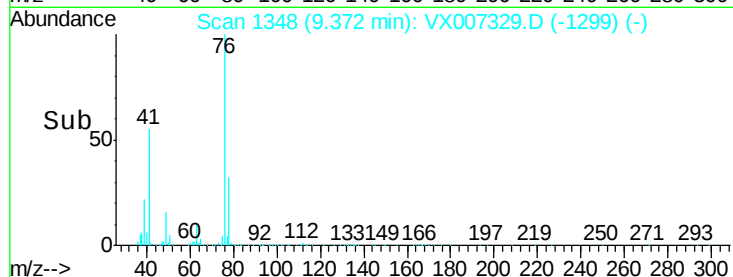
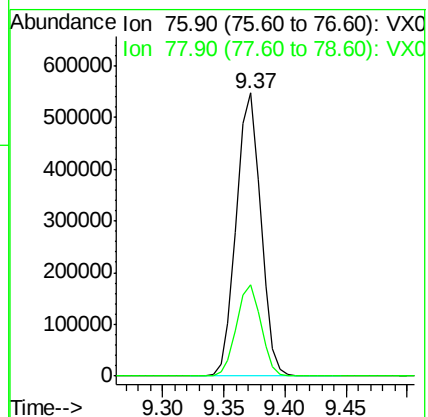
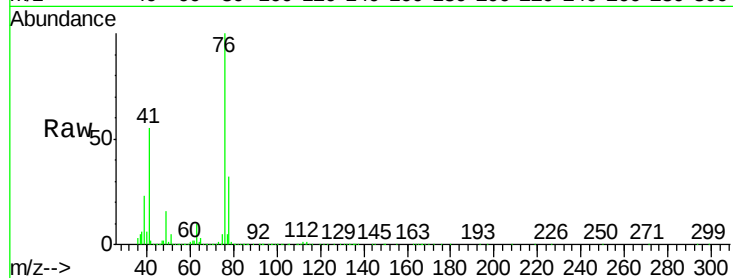
Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8

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



#58

2-Chloroethyl Vinyl ether

Concen: 511.987 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007329.D

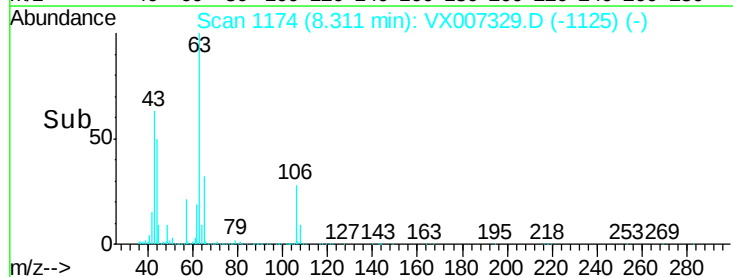
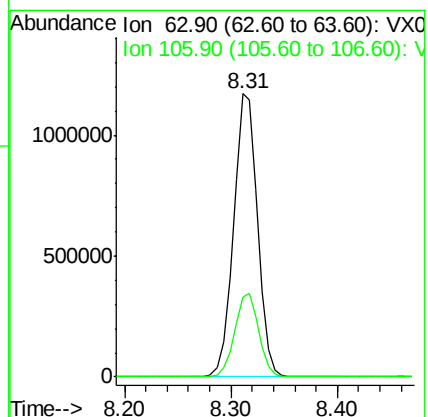
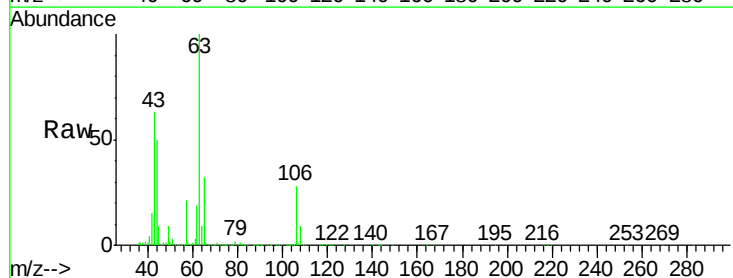
Acq: 01 Feb 2019 11:22

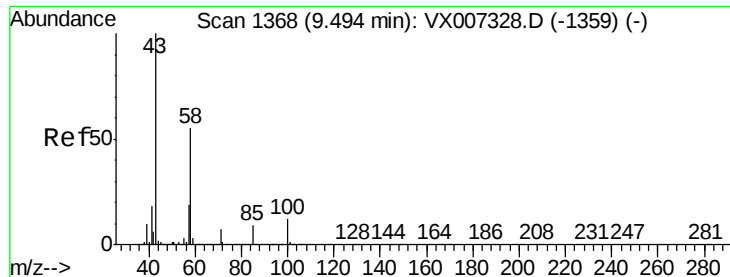
Tgt Ion: 63 Resp: 1838991

Ion Ratio Lower Upper

63 100

106 29.7 23.6 35.4





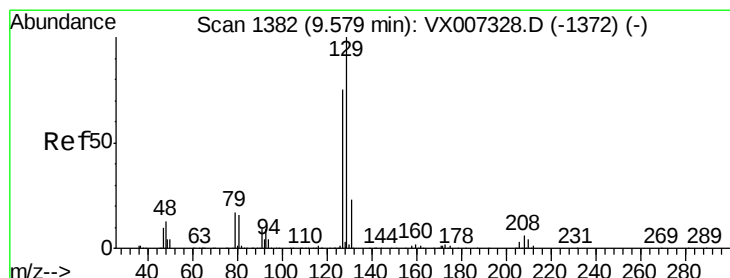
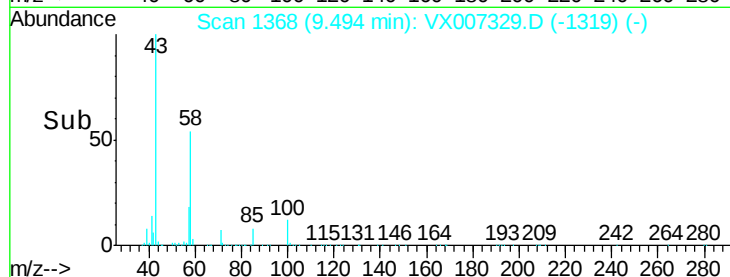
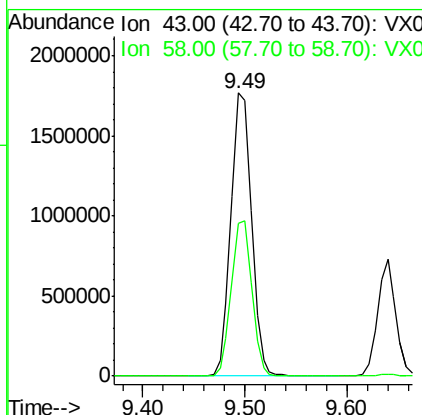
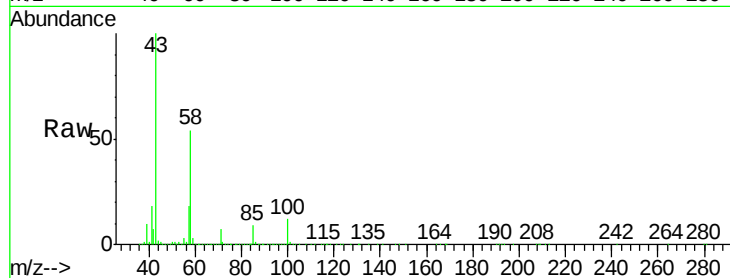
#59
2-Hexanone
Concen: 497.664 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 2470504
Ion Ratio Lower Upper
43 100
58 54.7 27.1 81.3

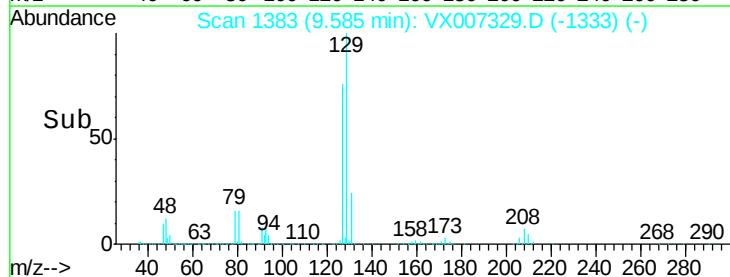
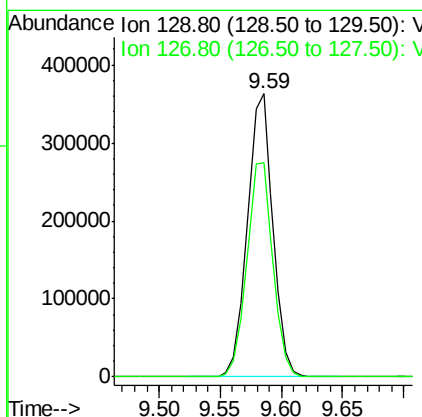
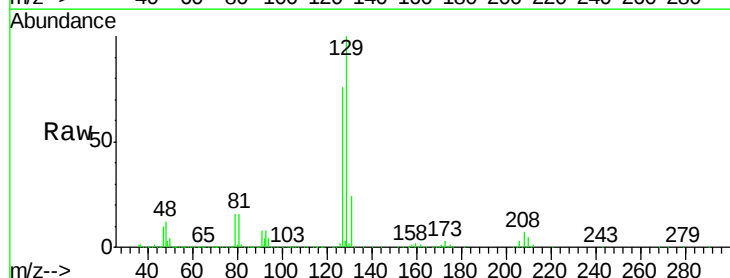
Manual Integrations
APPROVED

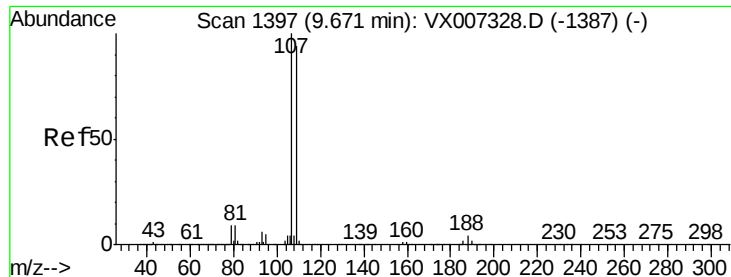
MMDadoda
2/4/2019 9:37:37 AM



#60
Dibromochloromethane
Concen: 113.288 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Tgt Ion: 129 Resp: 527176
Ion Ratio Lower Upper
129 100
127 77.2 37.8 113.4





#61

1,2-Dibromoethane

Concen: 99.563 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 518783

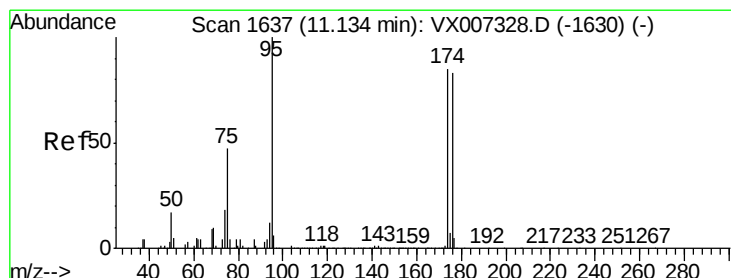
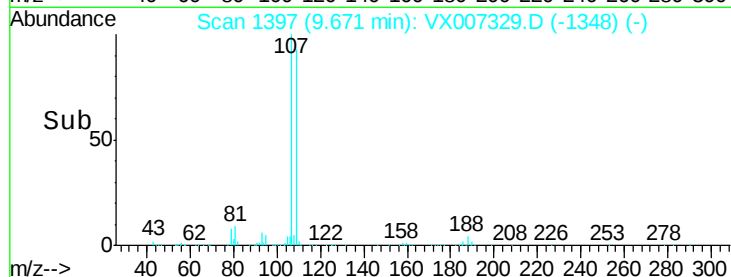
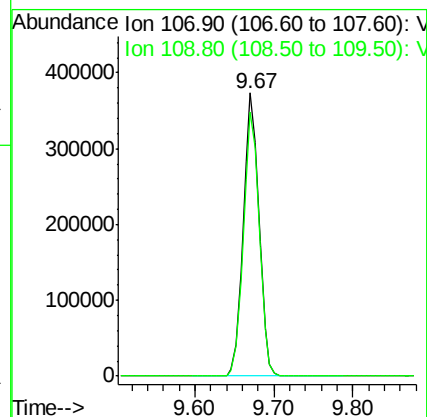
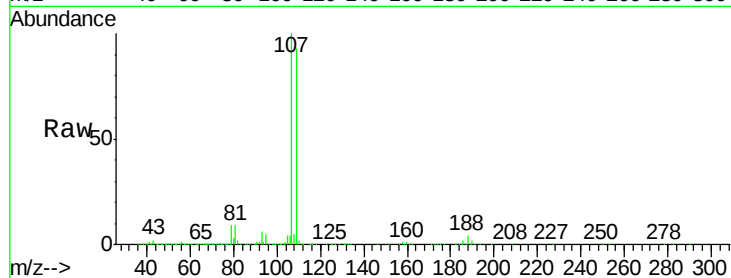
Ion Ratio Lower Upper

107 100

109 94.7 75.1 112.7

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



#62

4-Bromofluorobenzene

Concen: 103.995 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

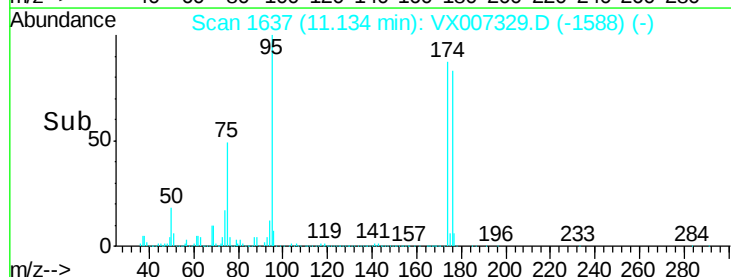
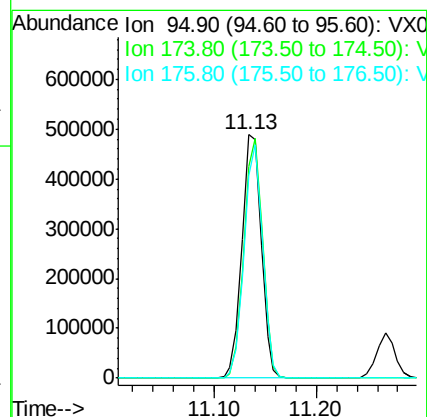
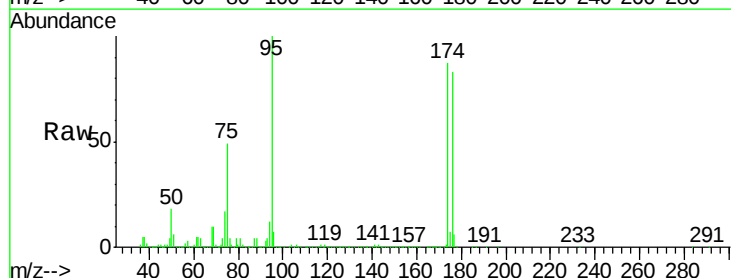
Tgt Ion: 95 Resp: 634470

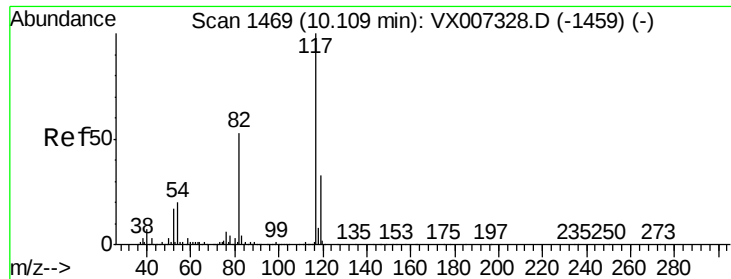
Ion Ratio Lower Upper

95 100

174 95.5 0.0 189.2

176 92.3 0.0 186.2





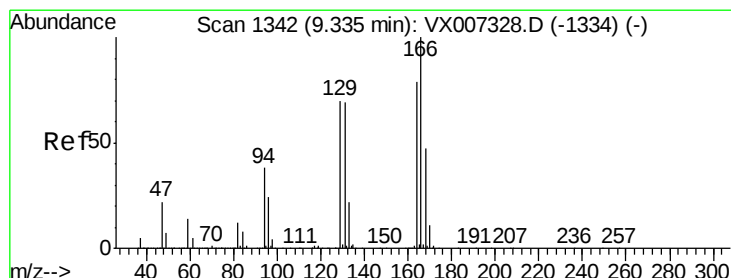
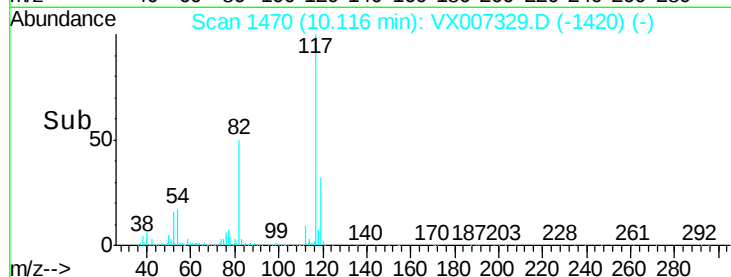
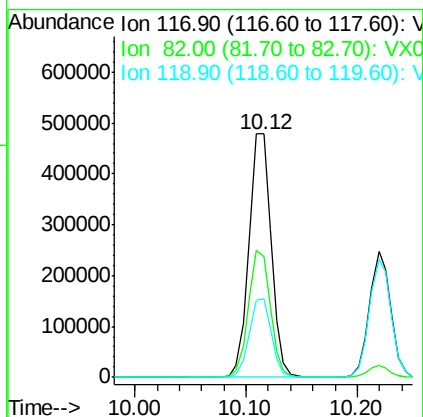
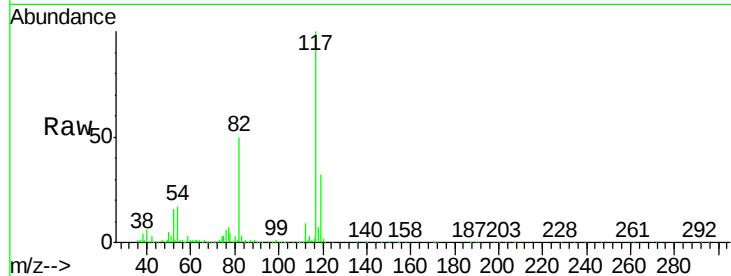
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.7	42.1	63.1
119	32.2	26.5	39.7

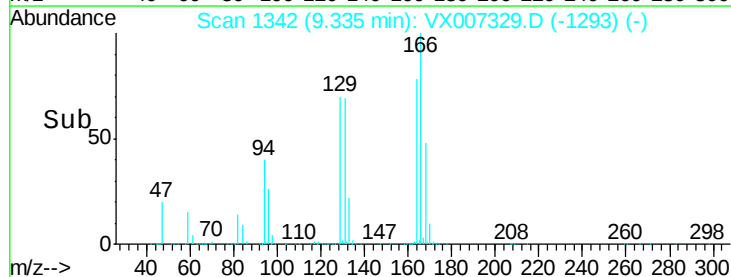
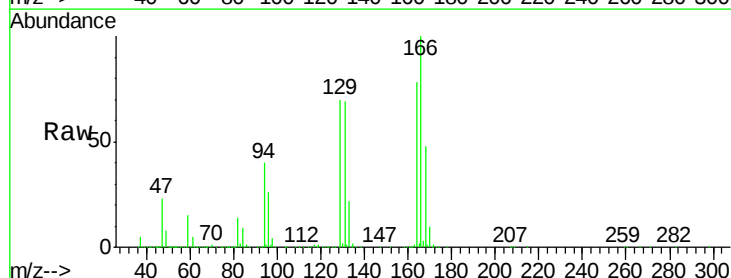
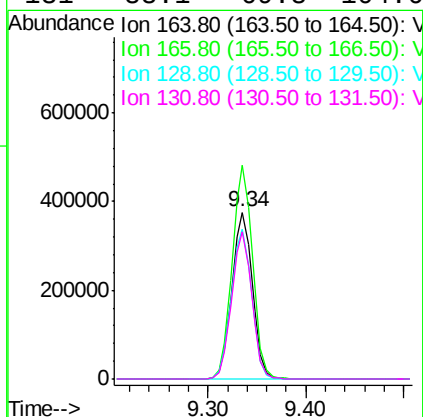
Manual Integrations
APPROVED

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



#64
Tetrachloroethene
Concen: 86.941 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	101.0	151.4
129	89.6	70.5	105.7
131	88.1	69.8	104.6





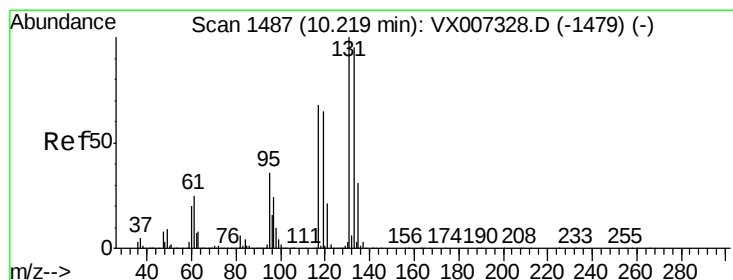
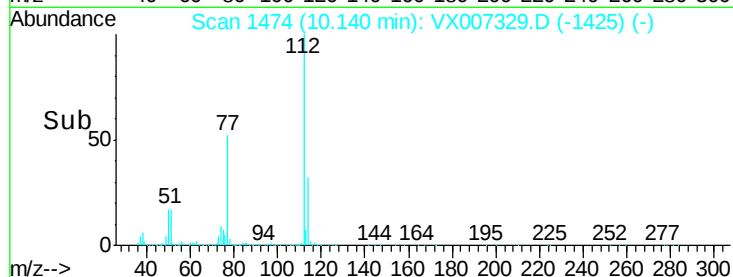
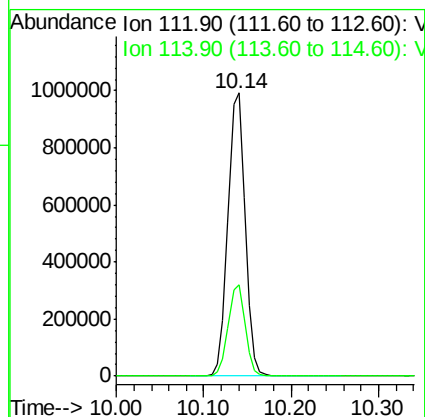
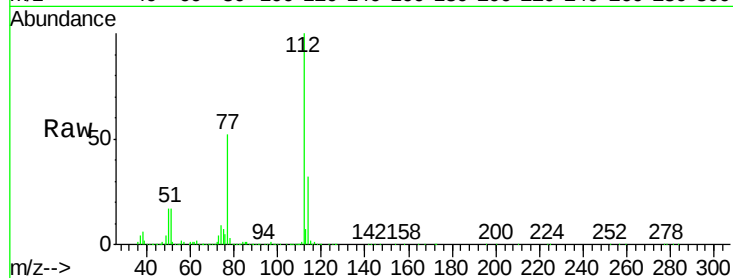
#65
Chlorobenzene
Concen: 92.749 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion:112 Resp: 1352603
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.6

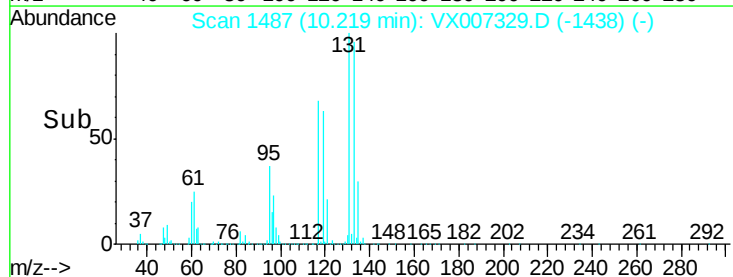
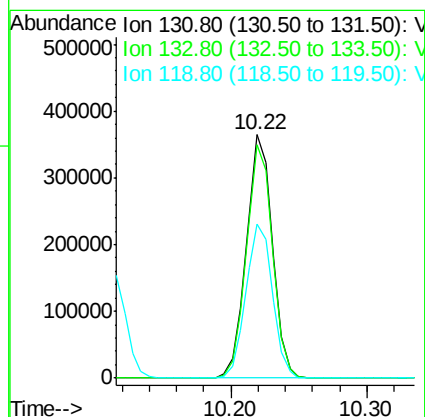
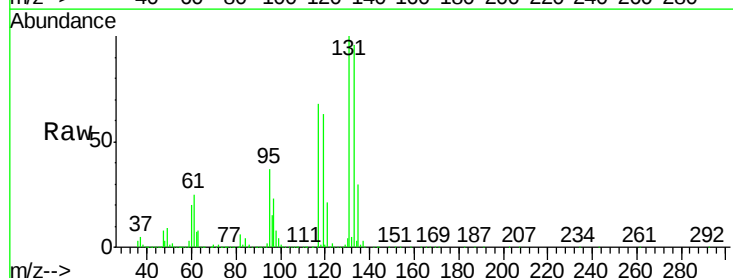
Manual Integrations
APPROVED

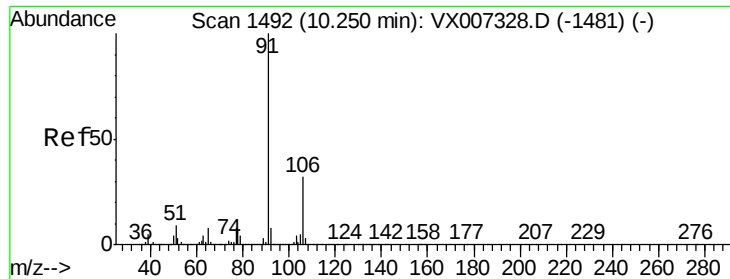
MMDadoda
2/4/2019 9:37:37 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 99.598 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Tgt Ion:131 Resp: 486979
Ion Ratio Lower Upper
131 100
133 96.2 48.0 144.2
119 64.8 32.0 96.0





#67

Ethyl Benzene

Concen: 96.527 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2266955

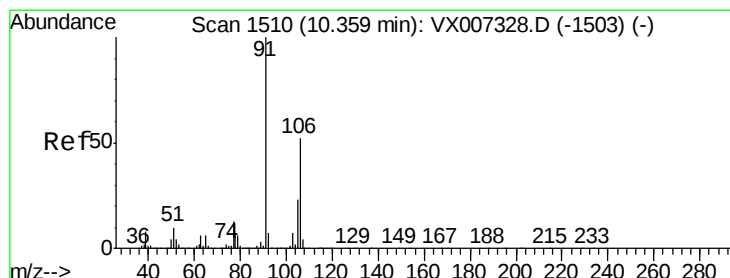
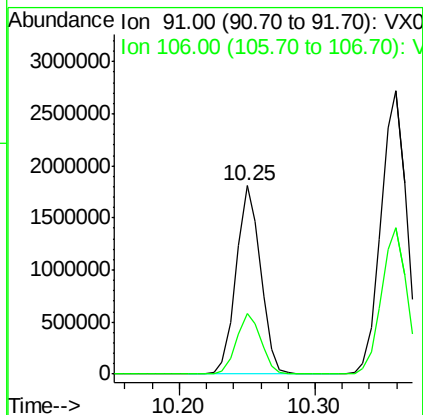
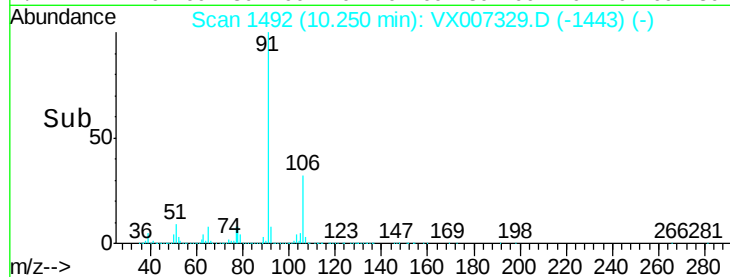
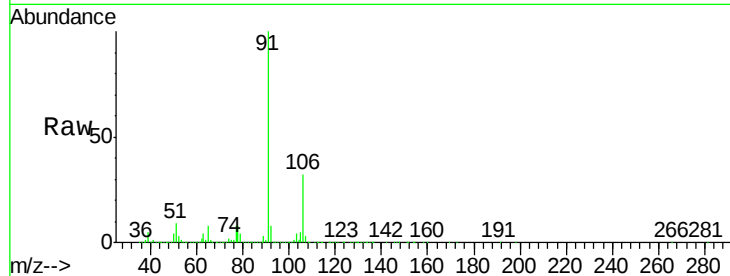
Ion Ratio Lower Upper

91 100

106 32.1 25.4 38.0

Manual Integrations
APPROVED

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



#68

m/p-Xylenes

Concen: 194.841 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007329.D

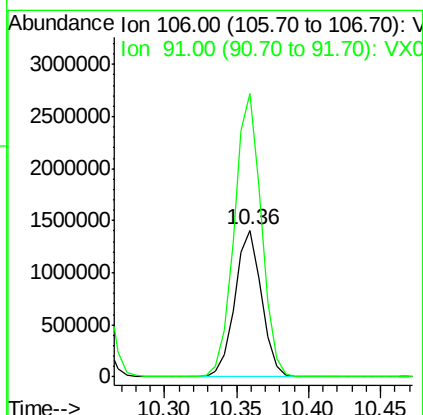
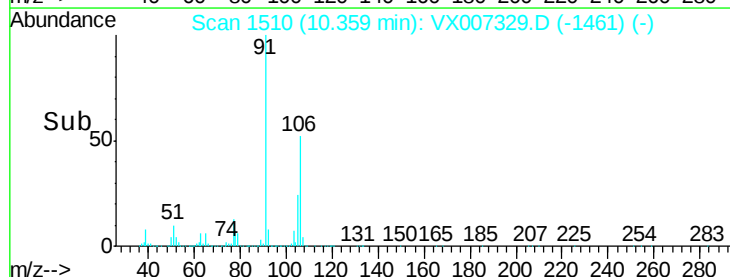
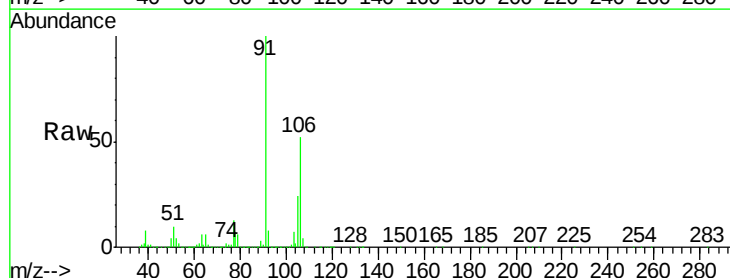
Acq: 01 Feb 2019 11:22

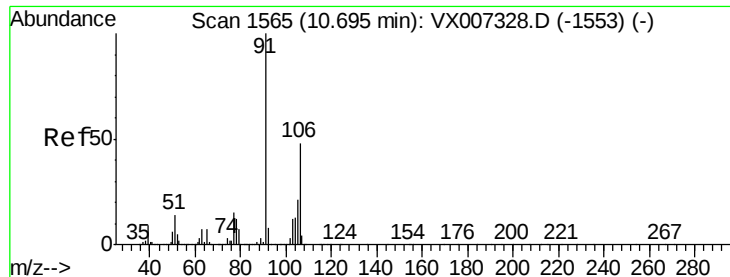
Tgt Ion: 106 Resp: 1818963

Ion Ratio Lower Upper

106 100

91 195.8 156.6 234.8





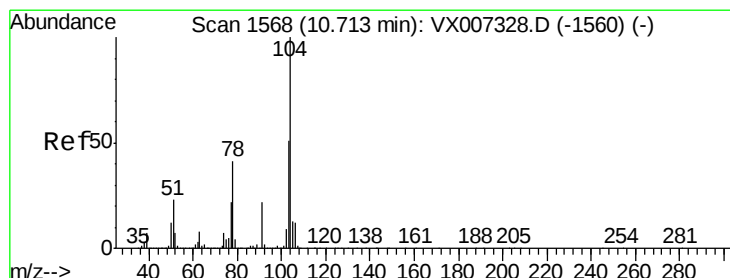
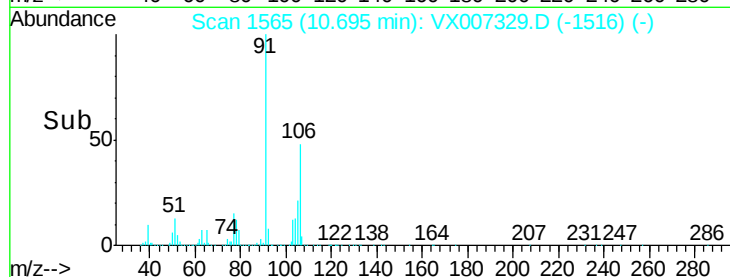
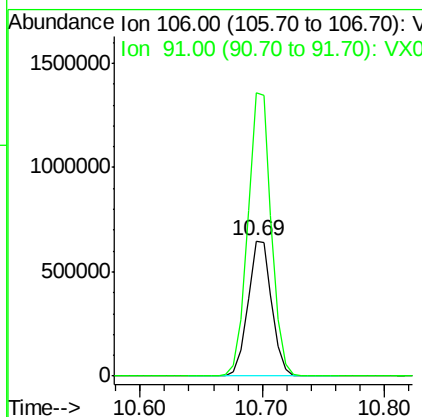
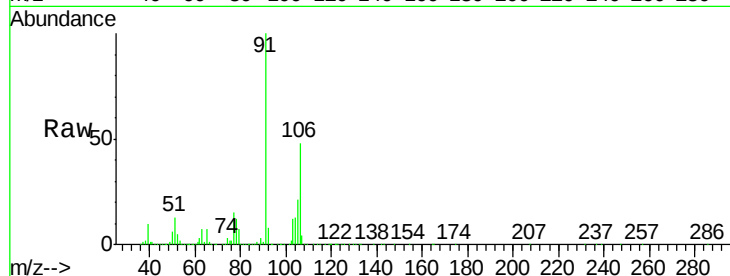
#69
o-Xylene
Concen: 97.291 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ion	Ratio	Lower	Upper
873983	106	100		
	91	207.0	102.9	308.7

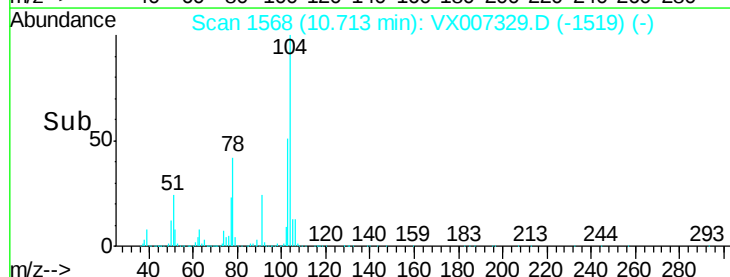
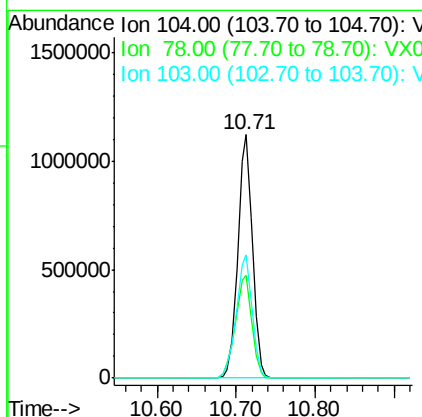
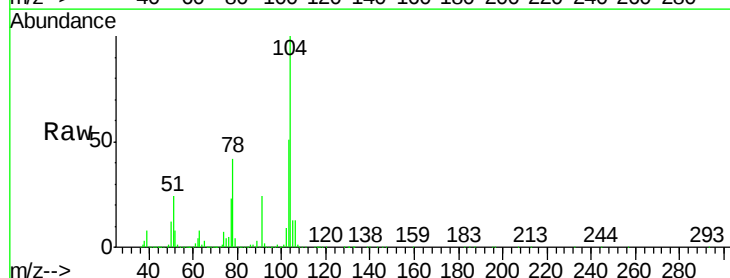
Manual Integrations
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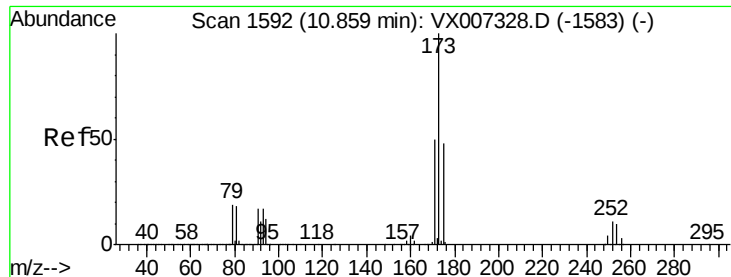
MMDadoda
2/4/2019 9:37:37 AM



#70
Styrene
Concen: 99.352 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Tgt Ion	Ion	Ratio	Lower	Upper
1447421	104	100		
	78	47.7	38.3	57.5
	103	55.5	44.6	67.0





#71

Bromoform

Concen: 110.563 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Instrument :

MSVOA_X

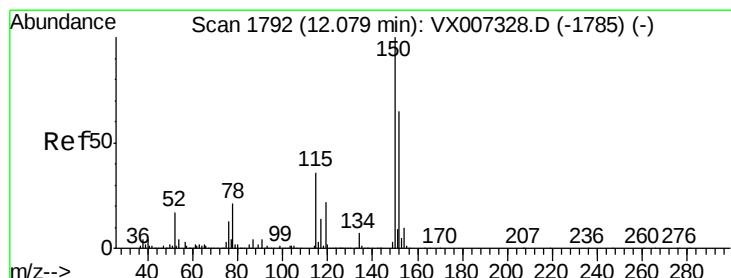
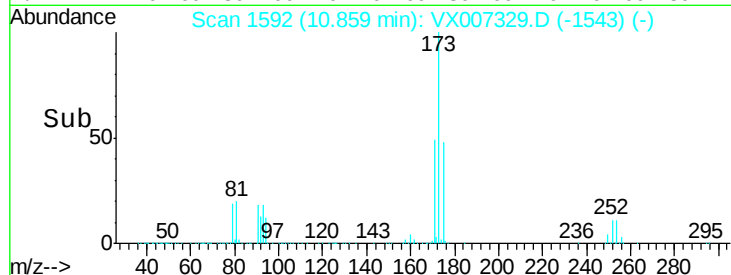
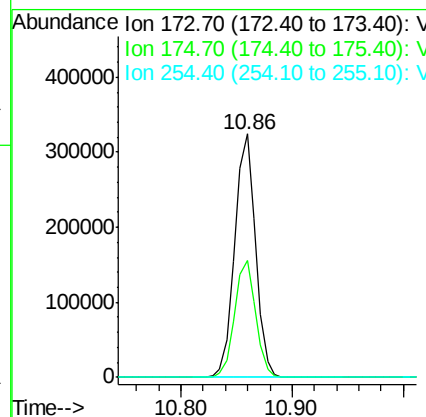
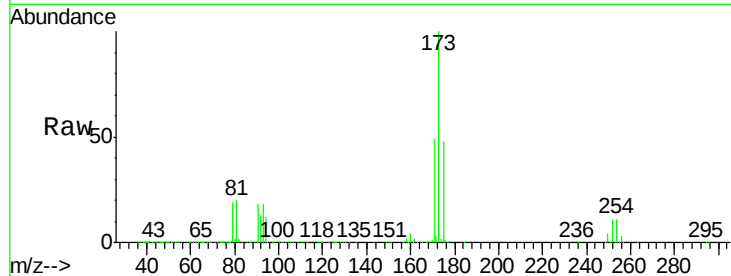
ClientSampleId :

VSTDIC100

Tot Ion:	173	Resp:	418270
Ion Ratio	Lower	Upper	
173	100		
175	48.6	24.2	72.6
254	0.2	0.2	0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

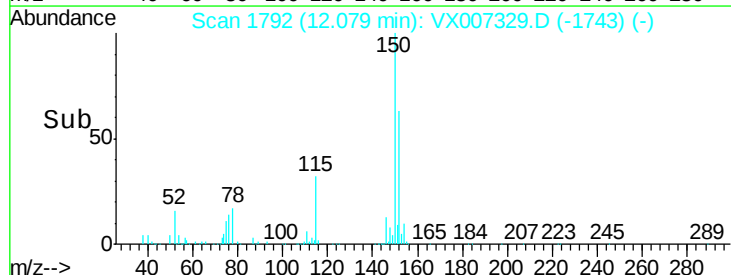
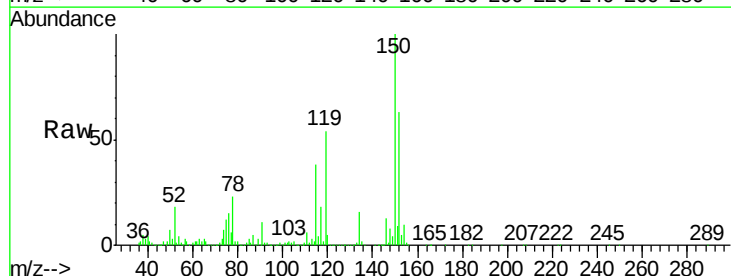
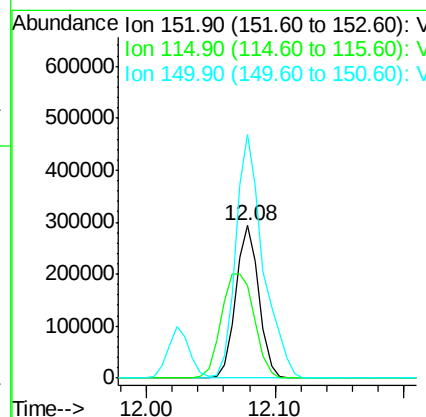
RT: 12.08 min Scan# 1792

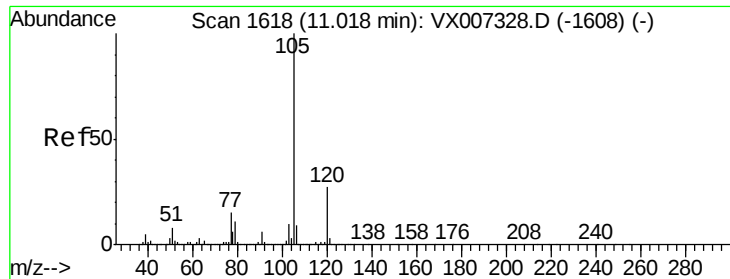
Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Tgt Ion:	152	Resp:	368309
Ion Ratio	Lower	Upper	
152	100		
115	98.0	38.0	114.0
150	187.6	0.0	346.4





#73

Isopropylbenzene

Concen: 93.355 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2336534

Ion Ratio Lower Upper

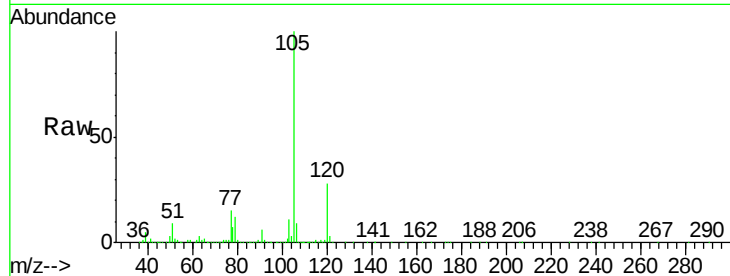
105 100

120 27.7 13.6 40.7

Manual Integrations
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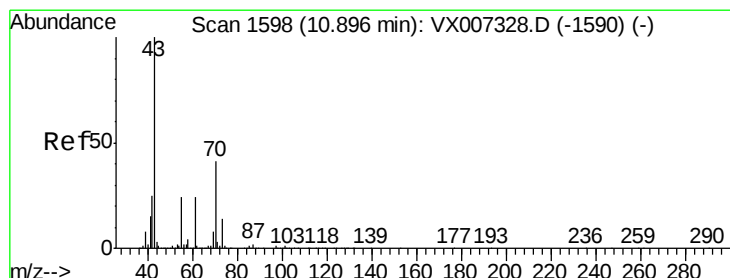
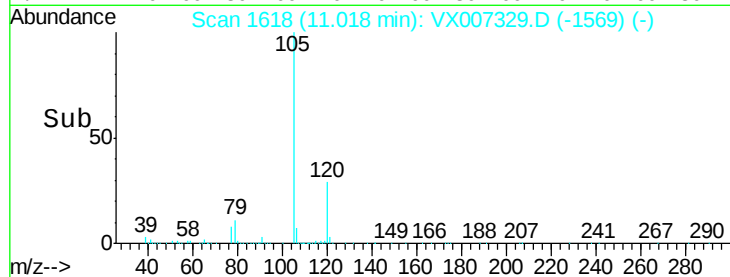
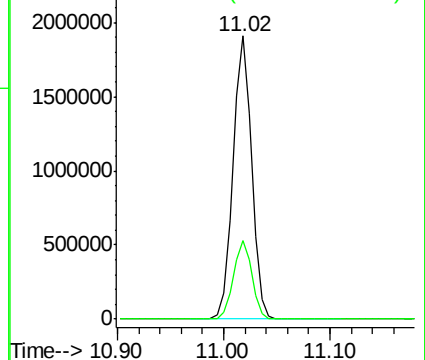
MMDadoda

2/4/2019 9:37:37 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 98.103 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Tgt Ion: 43 Resp: 949716

Ion Ratio Lower Upper

43 100

70 42.2 33.8 50.6

55 23.4 19.5 29.3

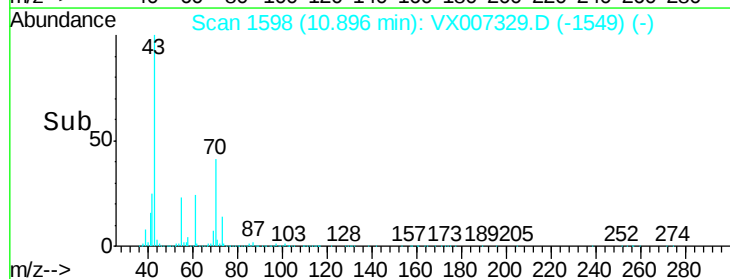
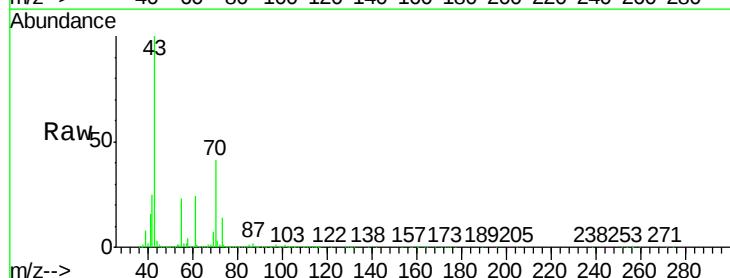
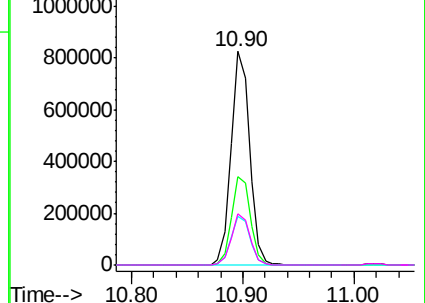
61 24.0 19.4 29.2

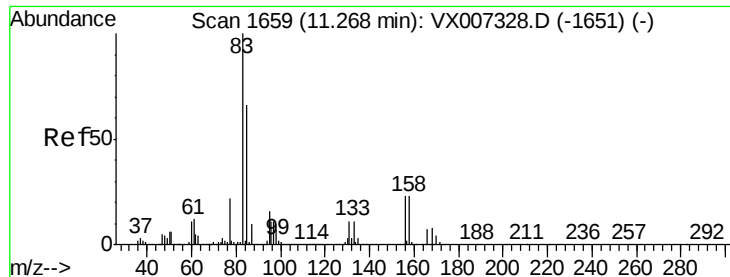
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 92.435 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Instrument :

MSVOA_X

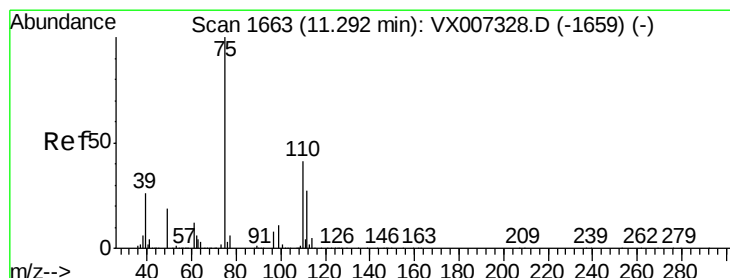
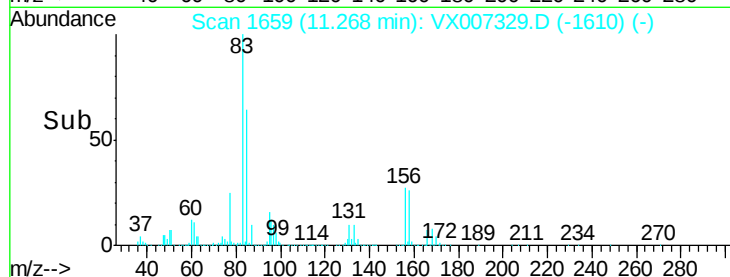
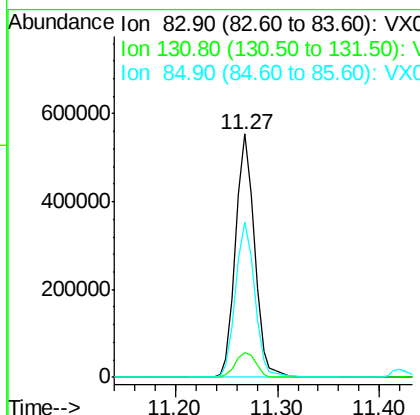
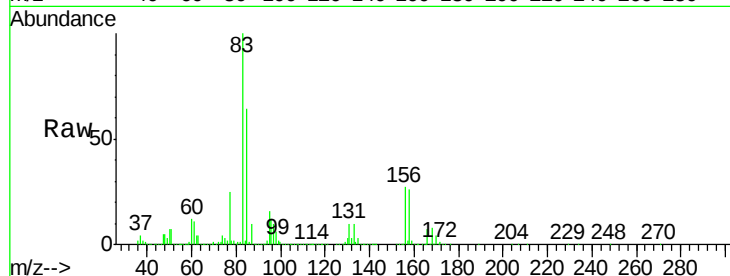
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	705071
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.7	17.0
85	64.8	32.8	98.3

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



#76

1,2,3-Trichloropropane

Concen: 88.415 ug/l m

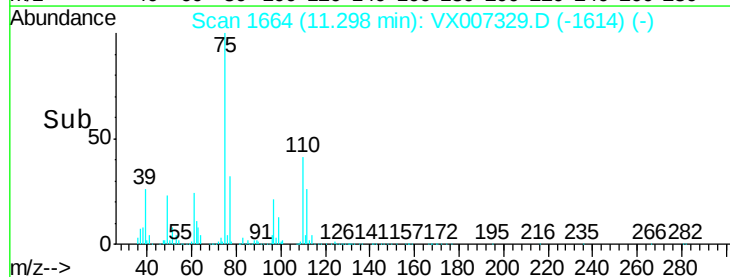
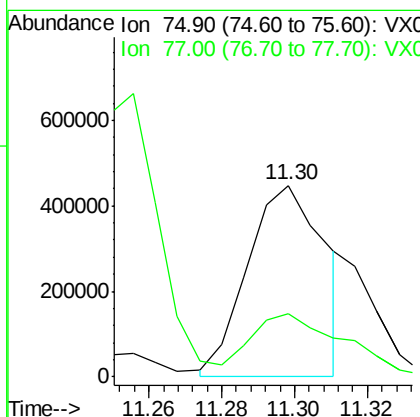
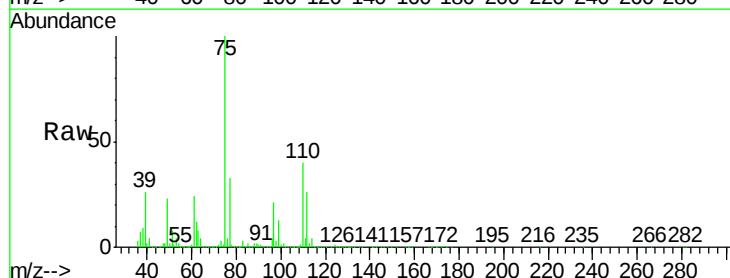
RT: 11.30 min Scan# 1664

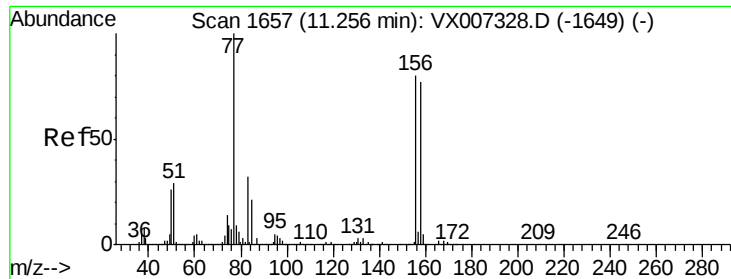
Delta R.T. 0.01 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Tgt Ion:	75	Resp:	660206
Ion Ratio	Lower	Upper	
75	100		
77	39.6	23.0	69.0





#77

Bromobenzene

Concen: 90.323 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Instrument :

MSVOA_X

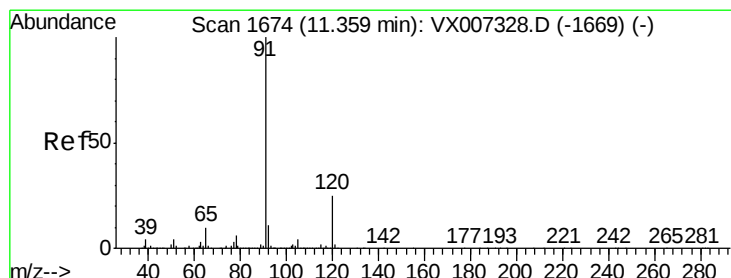
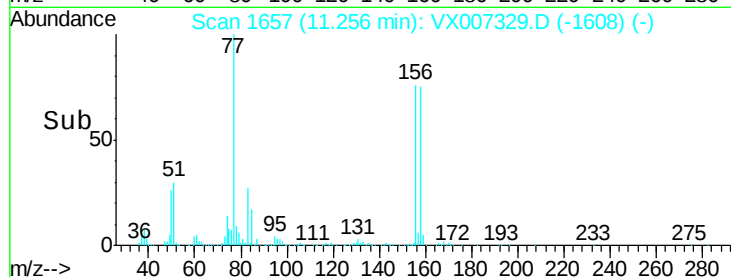
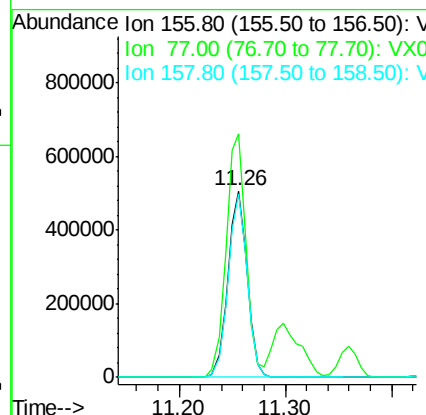
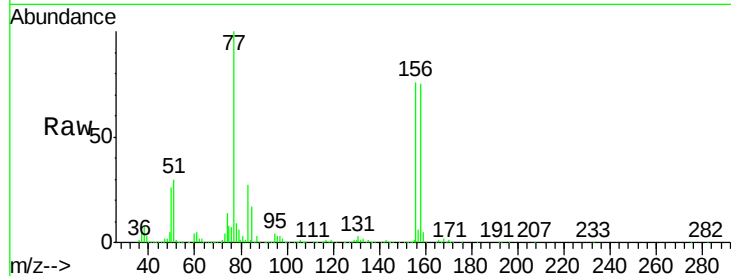
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	636953
Ion Ratio	Lower	Upper	
156	100		
77	135.6	66.8	200.6
158	97.6	47.9	143.8

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



#78

n-propylbenzene

Concen: 97.664 ug/l

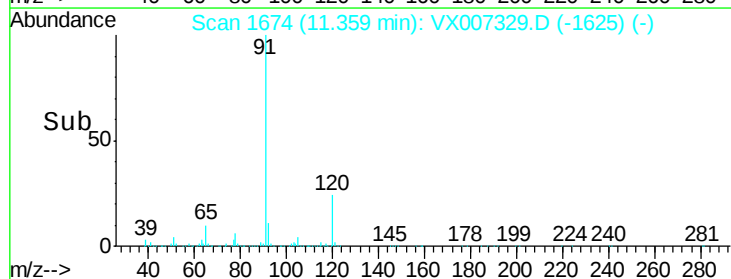
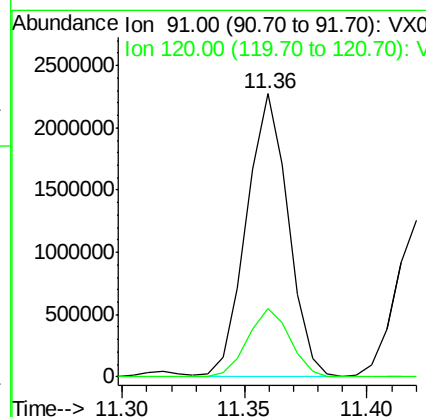
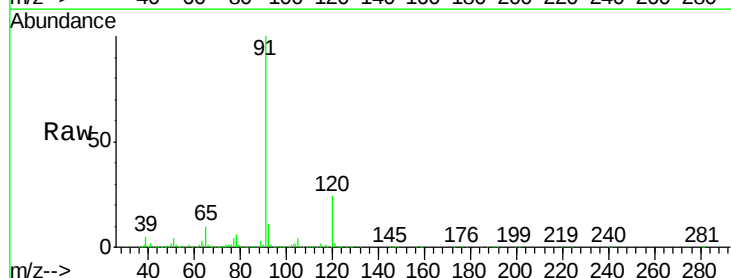
RT: 11.36 min Scan# 1674

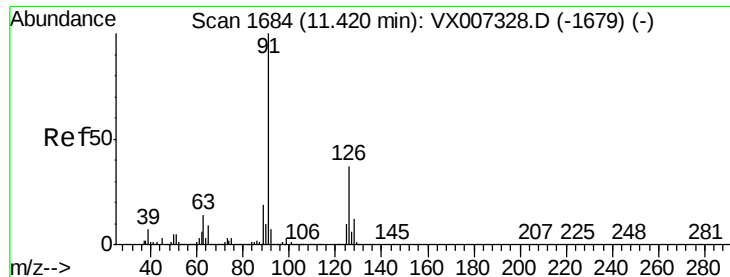
Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Tgt Ion:	91	Resp:	2680434
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.4	37.2





#79

2-Chlorotoluene

Concen: 91.783 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 1528491

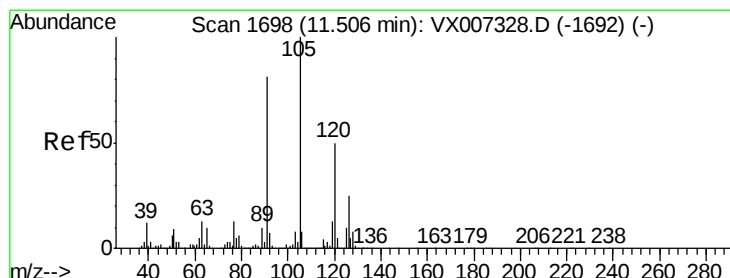
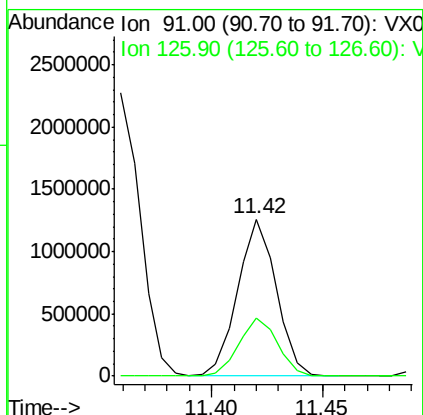
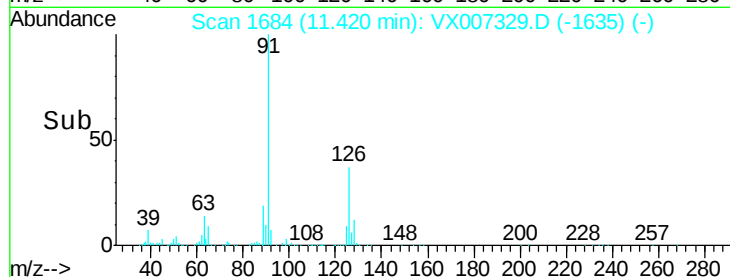
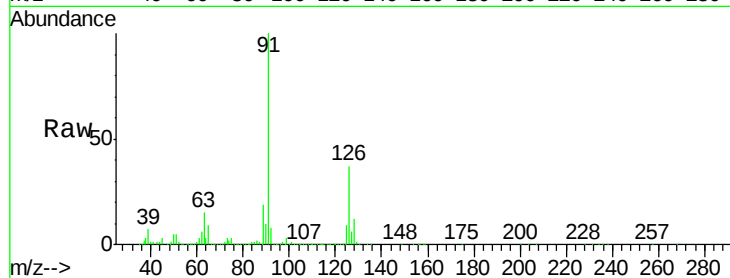
Ion Ratio Lower Upper

91 100

126 37.2 18.7 56.1

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



#80

1,3,5-Trimethylbenzene

Concen: 96.092 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007329.D

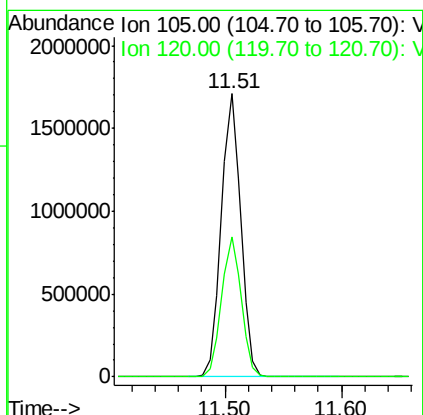
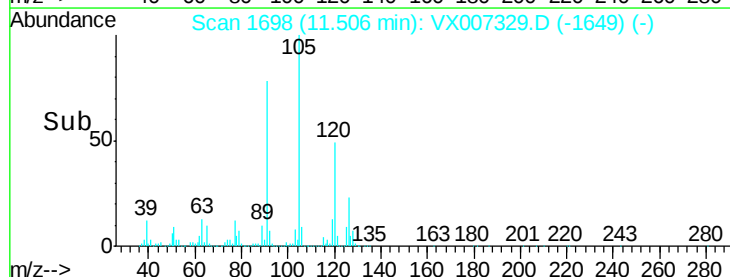
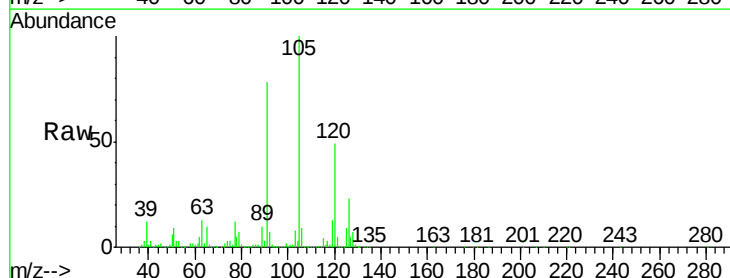
Acq: 01 Feb 2019 11:22

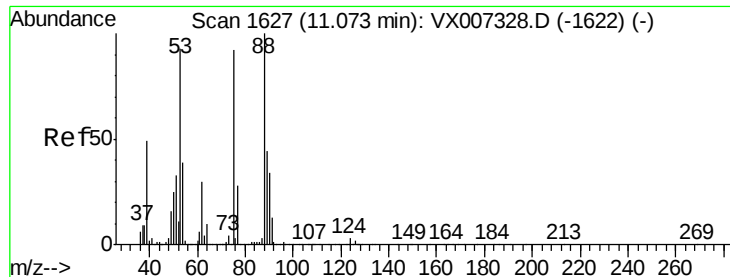
Tgt Ion: 105 Resp: 1967628

Ion Ratio Lower Upper

105 100

120 49.8 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 111.221 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Instrument :

MSVOA_X

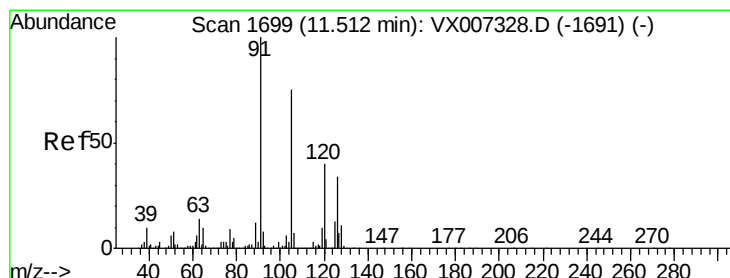
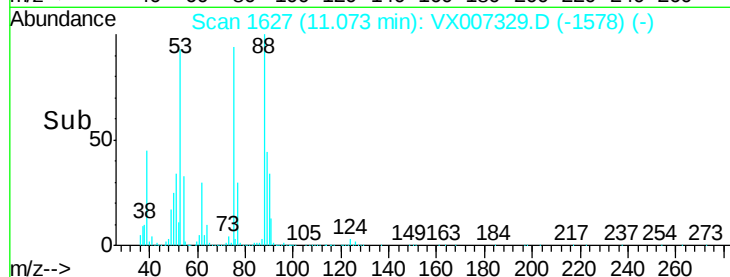
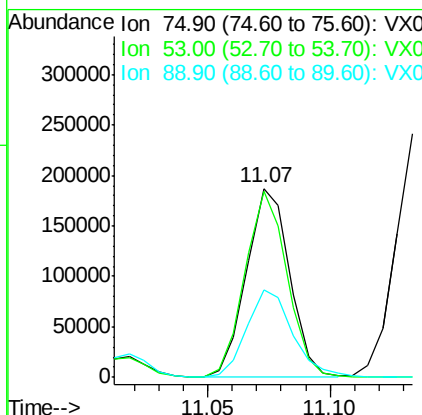
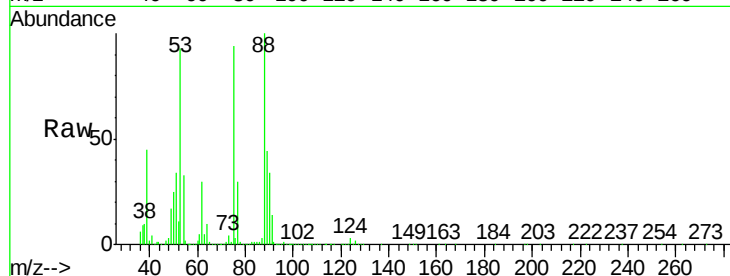
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	229494
Ion	Ratio	Lower	Upper
75	100		
53	96.7	81.0	121.6
89	50.0	41.4	62.0

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



#82

4-Chlorotoluene

Concen: 95.660 ug/l

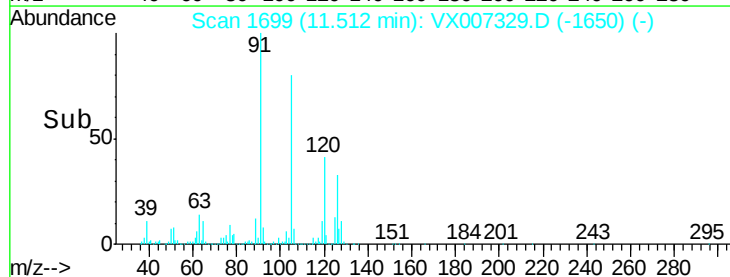
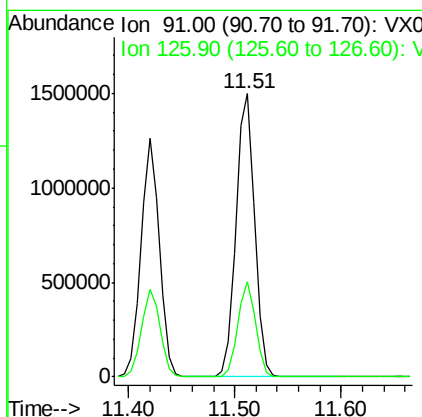
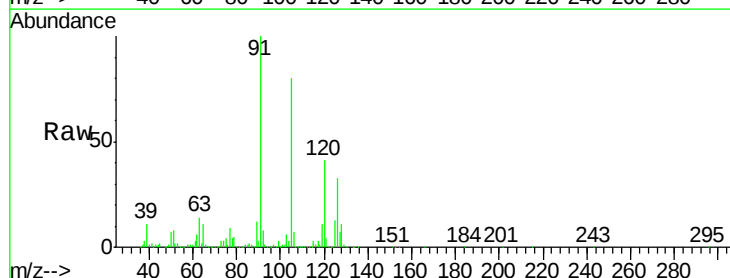
RT: 11.51 min Scan# 1699

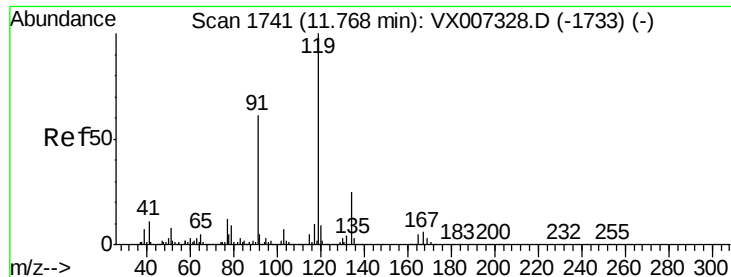
Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Tgt Ion:	91	Resp:	1843338
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.2	48.5





#83

tert-Butylbenzene

Concen: 96.690 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Instrument :

MSVOA_X

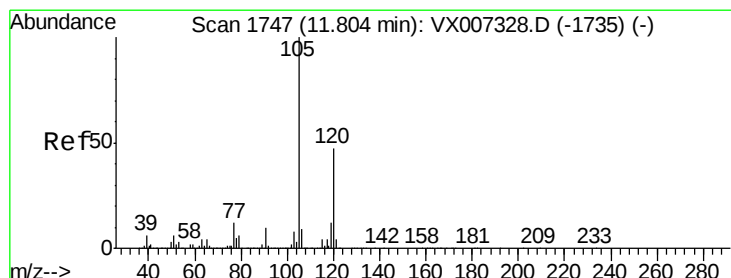
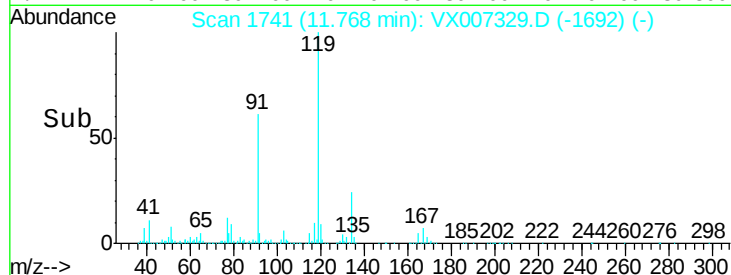
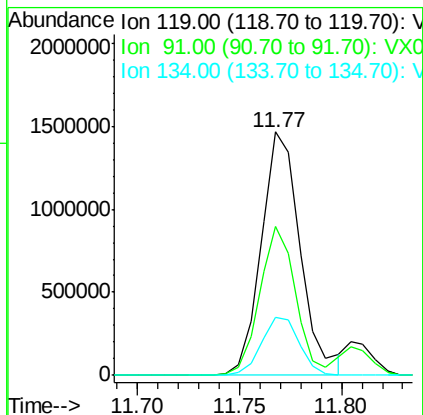
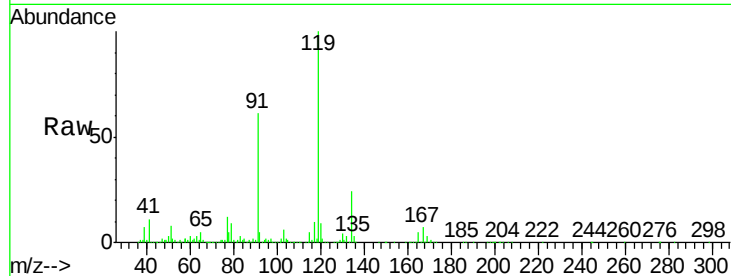
ClientSampleId :

VSTDIC100

Tot Ion:	119	Resp:	1960190
Ion	Ratio	Lower	Upper
119	100		
91	55.9	28.5	85.6
134	23.3	12.0	36.0

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



#84

1,2,4-Trimethylbenzene

Concen: 95.813 ug/l

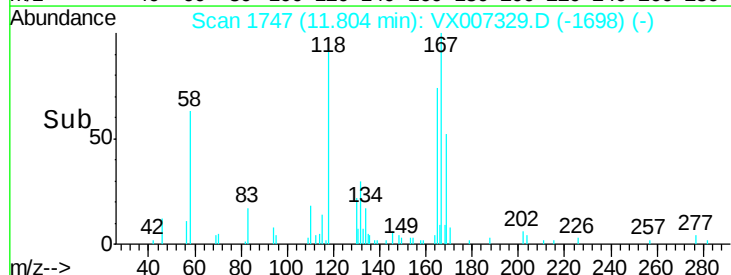
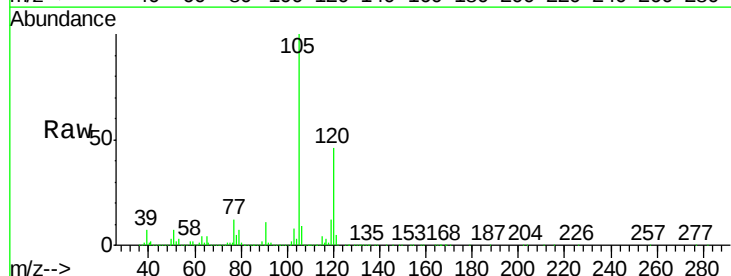
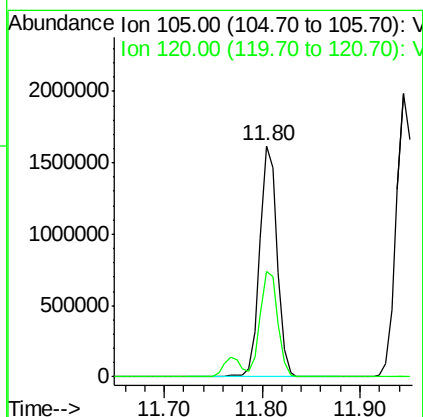
RT: 11.80 min Scan# 1747

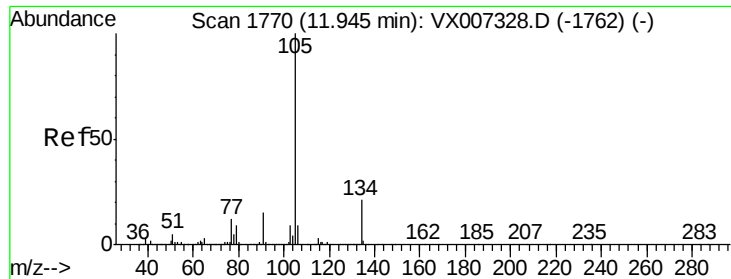
Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Tgt Ion:	105	Resp:	1991796
Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.1	69.3





#85

sec-Butylbenzene

Concen: 96.725 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2373296

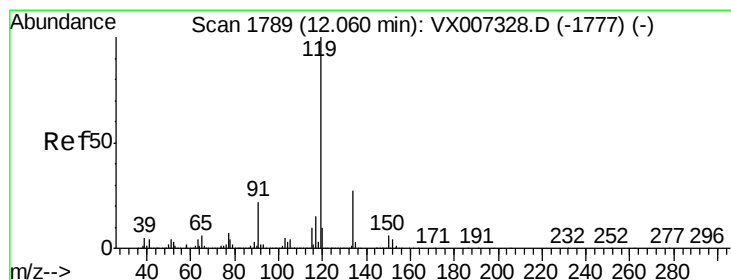
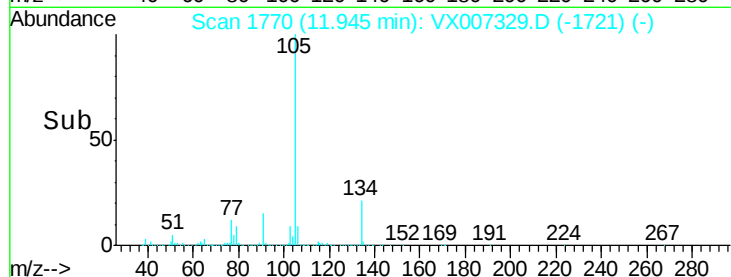
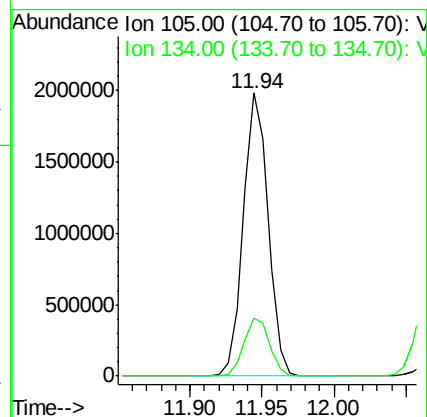
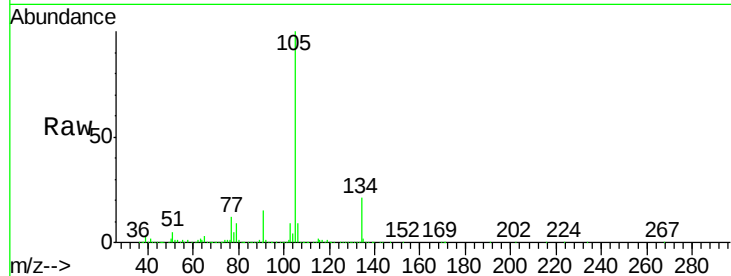
Ion Ratio Lower Upper

105 100

134 21.3 10.6 31.8

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



#86

p-Isopropyltoluene

Concen: 97.767 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

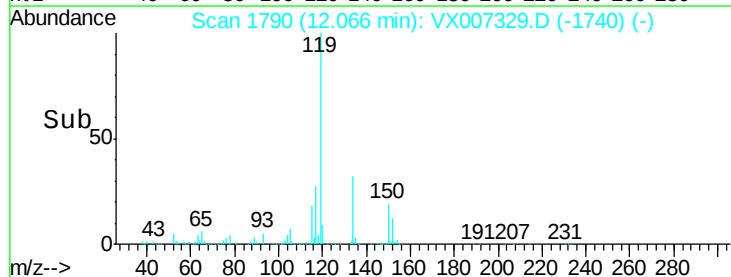
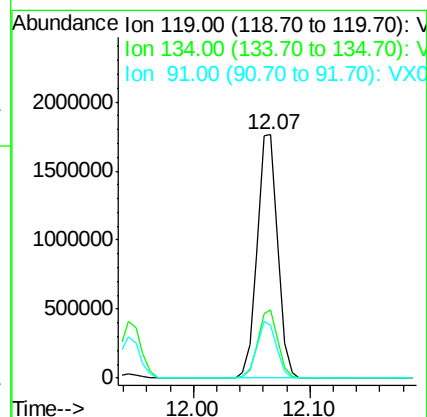
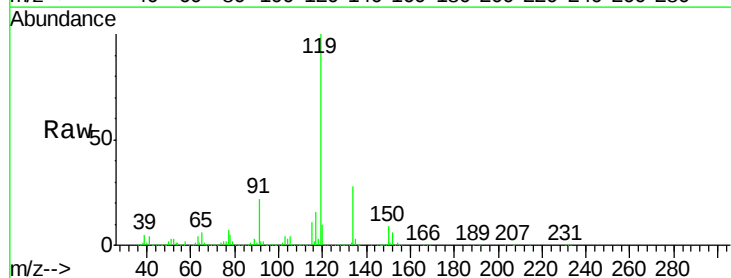
Tgt Ion:119 Resp: 2165456

Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.1

91 22.7 11.2 33.5





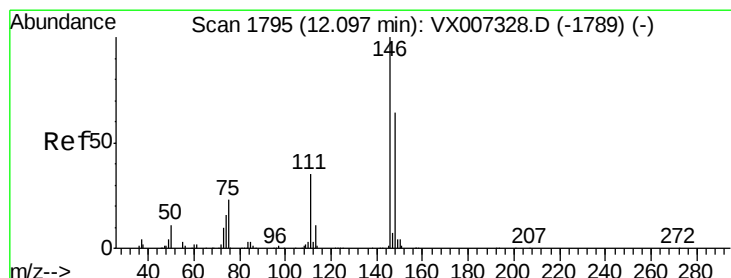
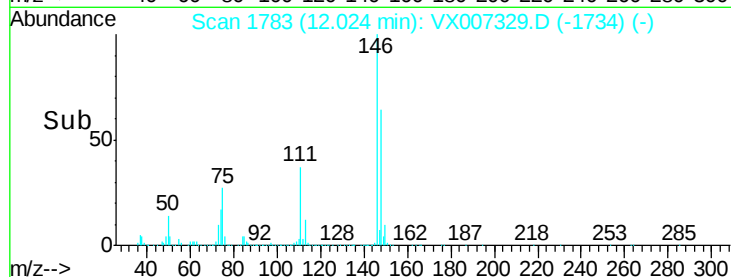
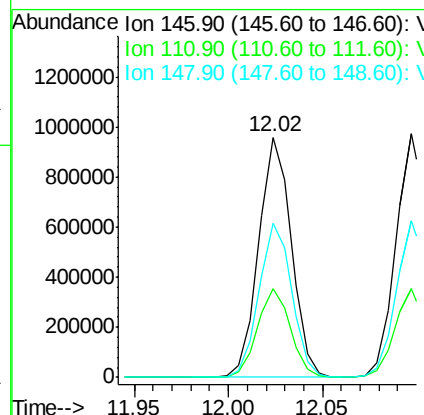
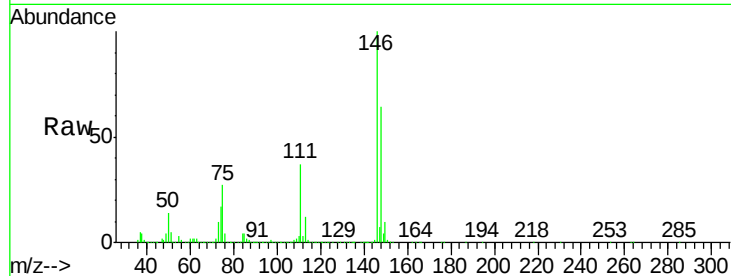
#87
 1,3-Dichlorobenzene
 Concen: 91.372 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007329.D
 Acq: 01 Feb 2019 11:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1156389
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.1 54.1
 148 64.2 32.0 96.2

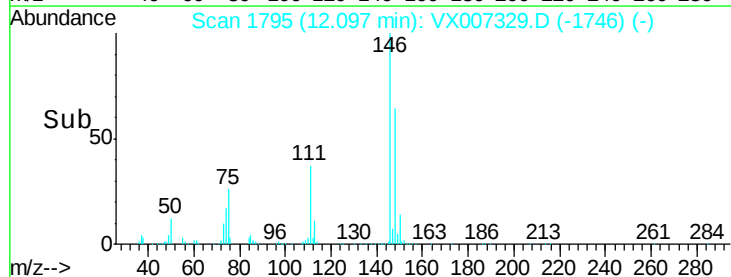
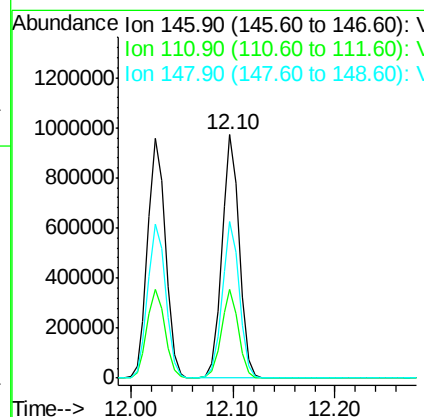
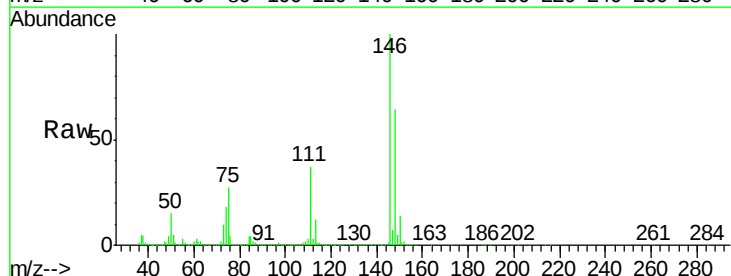
Manual Integrations
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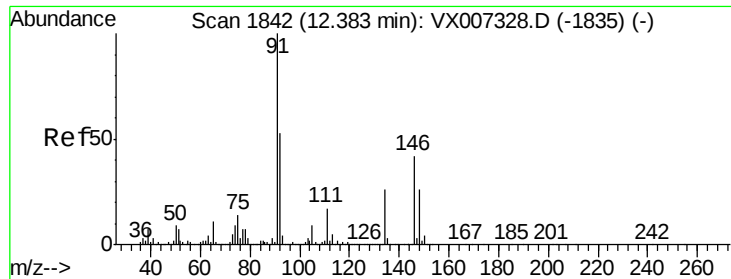
MMDadoda
 2/4/2019 9:37:37 AM



#88
 1,4-Dichlorobenzene
 Concen: 90.953 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007329.D
 Acq: 01 Feb 2019 11:22

Tgt Ion:146 Resp: 1167017
 Ion Ratio Lower Upper
 146 100
 111 35.9 18.1 54.1
 148 63.8 32.3 96.9





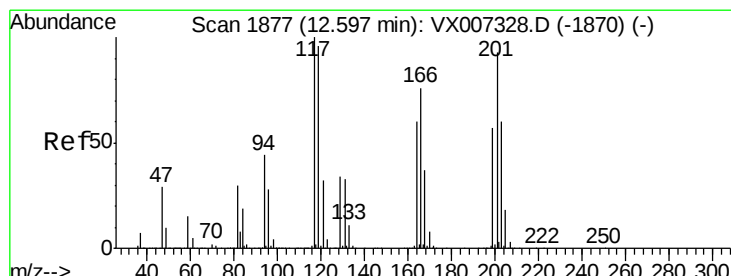
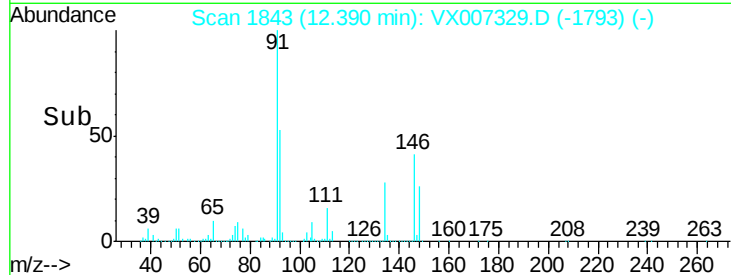
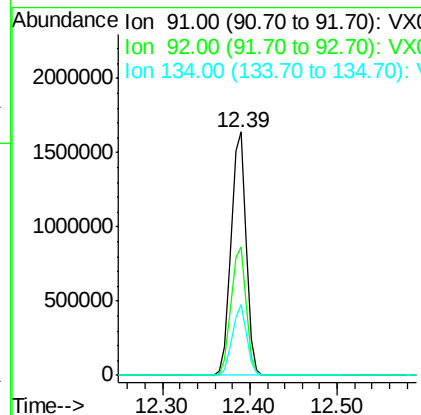
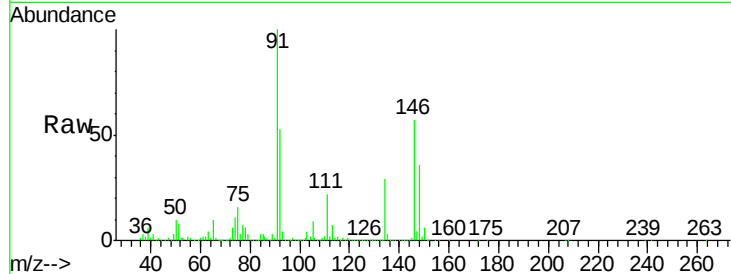
#89
n-Butylbenzene
Concen: 101.746 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1938622
Ion Ratio Lower Upper
91 100
92 53.0 26.3 78.9
134 28.0 13.9 41.6

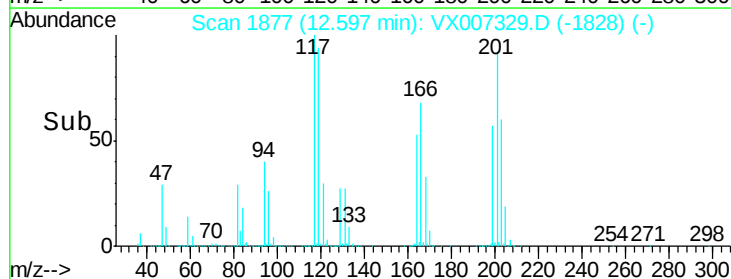
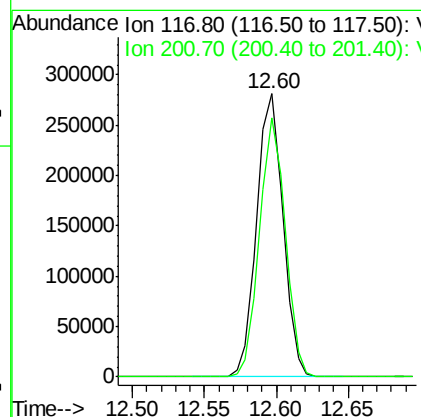
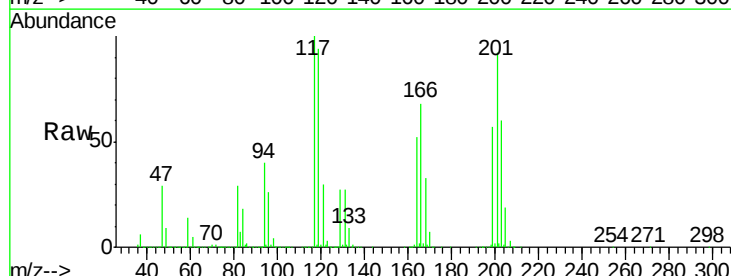
Manual Integrations
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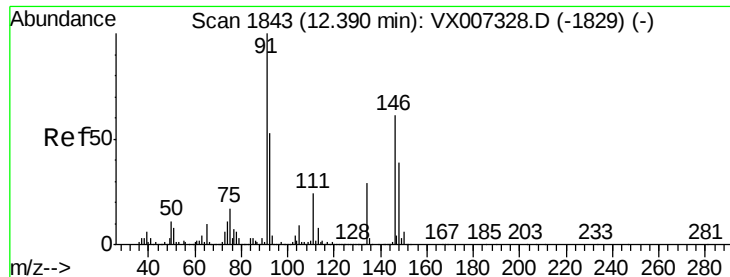
MMDadoda
2/4/2019 9:37:37 AM



#90
Hexachloroethane
Concen: 106.738 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX007329.D
Acq: 01 Feb 2019 11:22

Tgt Ion: 117 Resp: 353825
Ion Ratio Lower Upper
117 100
201 89.9 44.9 134.7





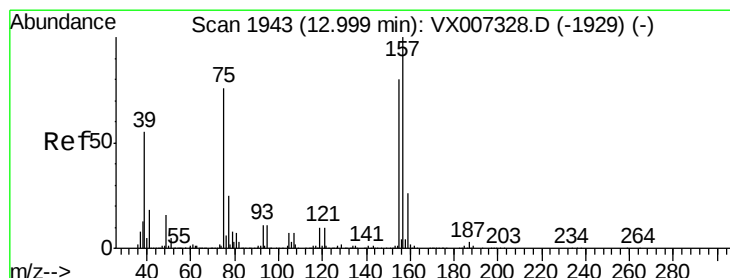
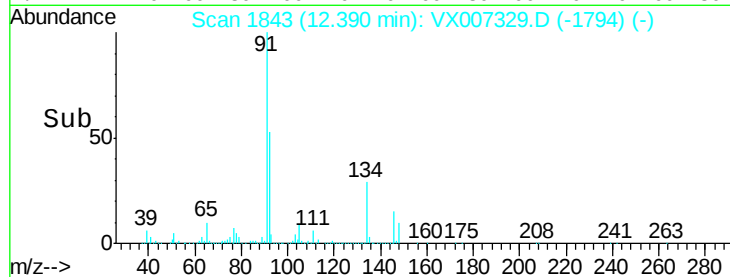
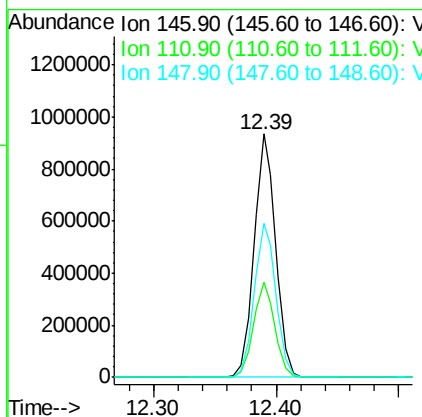
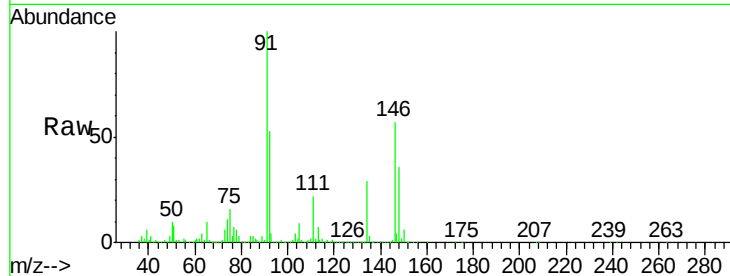
#91
 1,2-Dichlorobenzene
 Concen: 90.915 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007329.D
 Acq: 01 Feb 2019 11:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.1	57.3
148	64.0	32.1	96.3

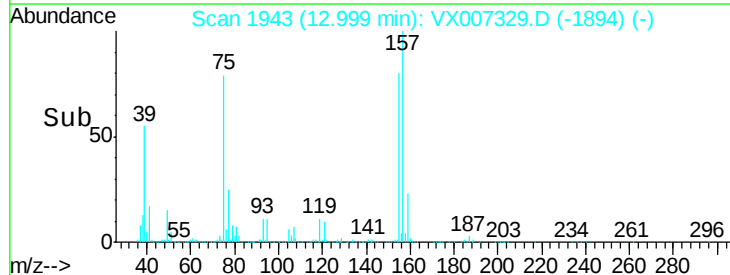
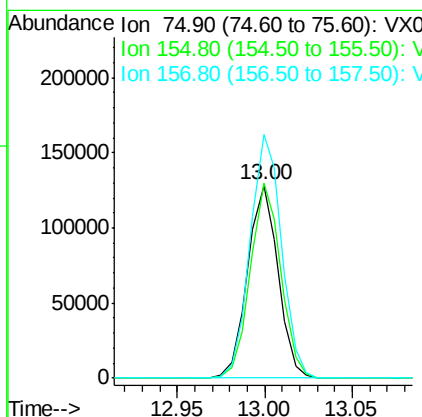
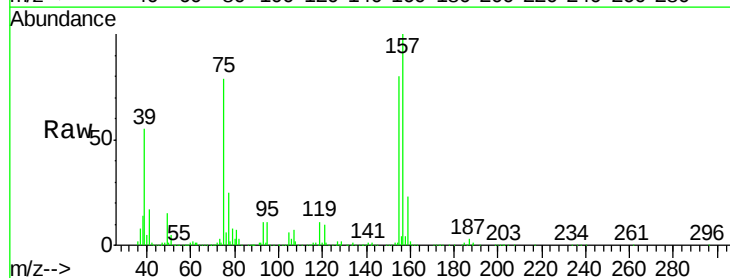
Manual Integrations
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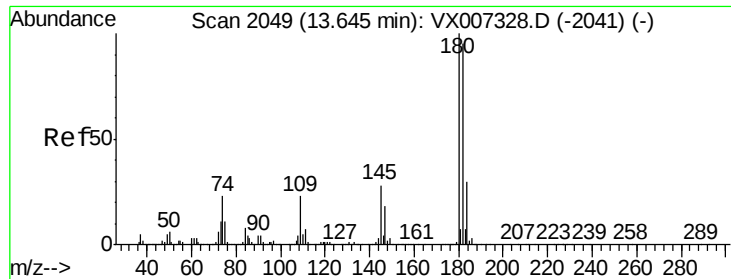
MMDadoda
 2/4/2019 9:37:37 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 97.884 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX007329.D
 Acq: 01 Feb 2019 11:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.9	49.6	149.0
157	130.4	65.1	195.3





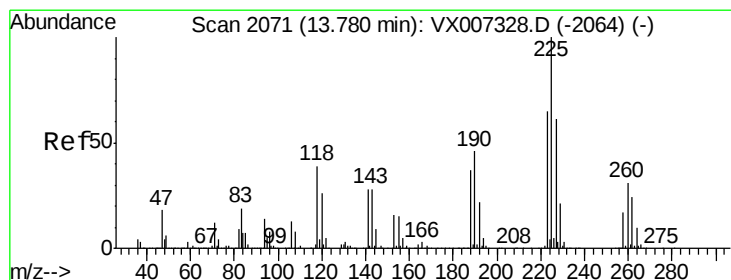
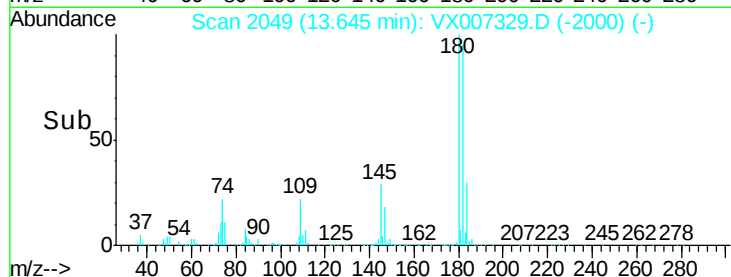
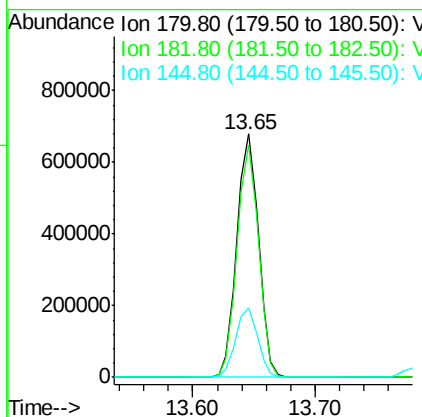
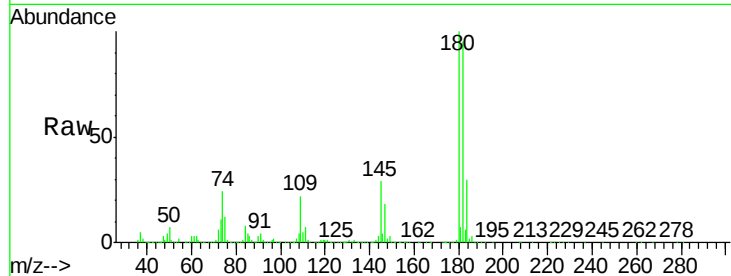
#93
 1,2,4-Trichlorobenzene
 Concen: 97.817 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007329.D
 Acq: 01 Feb 2019 11:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	830852		
182	94.2	47.8	143.3	
145	28.7	14.1	42.2	

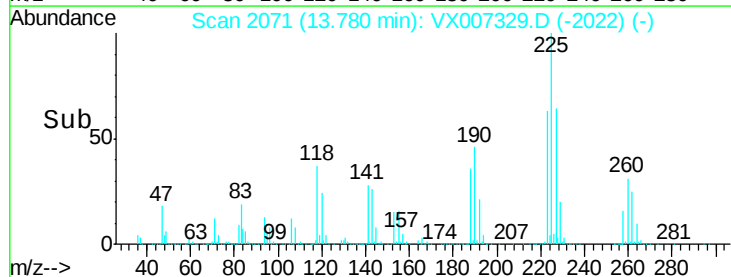
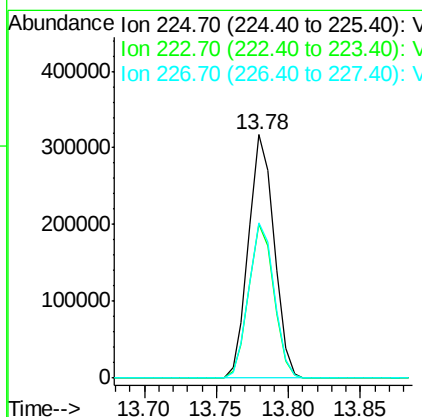
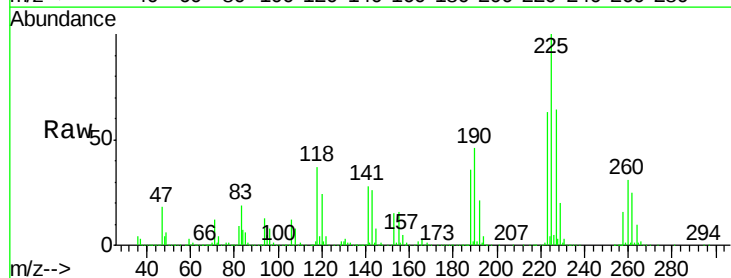
Manual Integrations
 APPROVED

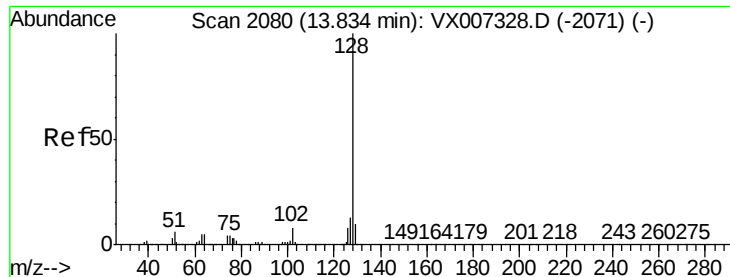
MMDadoda
 2/4/2019 9:37:37 AM



#94
 Hexachlorobutadiene
 Concen: 94.116 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007329.D
 Acq: 01 Feb 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	388174		
223	62.4	31.6	94.8	
227	63.7	32.1	96.3	





#95

Naphthalene

Concen: 96.679 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 2401403

Ion Ratio Lower Upper

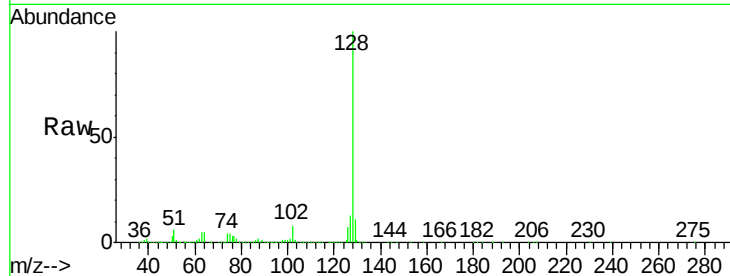
128 100

127 13.1 10.5 15.7

129 11.1 8.7 13.1

Manual Integrations
APPROVED

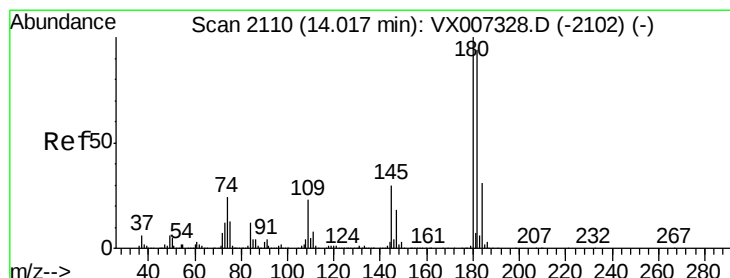
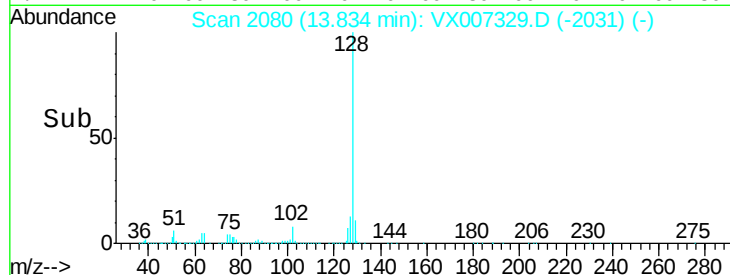
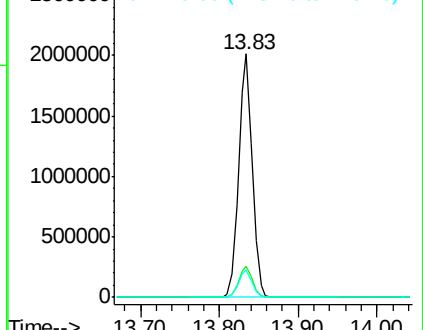
MMDadoda
2/4/2019 9:37:37 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 95.047 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007329.D

Acq: 01 Feb 2019 11:22

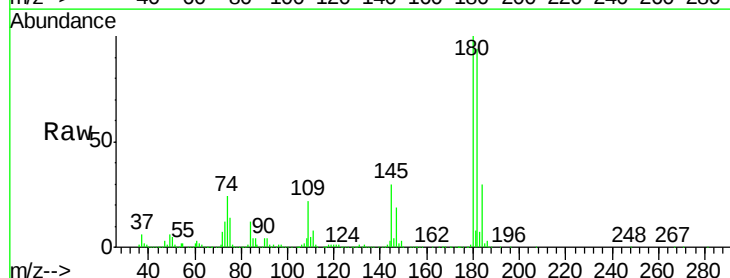
Tgt Ion:180 Resp: 812647

Ion Ratio Lower Upper

180 100

182 95.4 47.5 142.6

145 29.8 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

