

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071318\
 Data File : VX003364.D
 Acq On : 13 Jul 2018 13:18
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 7/16/2018 11:24:41 AM

Quant Time: Jul 13 14:46:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 13 13:46:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	305605	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	434914	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	385371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	243331	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	310926	64.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.30%	
35) Dibromofluoromethane	5.51	113	293068	62.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.44%	
50) Toluene-d8	8.72	98	1002126	60.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.76%	
62) 4-Bromofluorobenzene	11.14	95	393204	64.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	223627	48.13	ug/l	98
3) Chloromethane	1.32	50	276080	65.36	ug/l	99
4) Vinyl Chloride	1.41	62	330785	76.29	ug/l	100
5) Bromomethane	1.64	94	129368	75.44	ug/l	98
6) Chloroethane	1.71	64	214742	89.39	ug/l	99
7) Trichlorofluoromethane	1.92	101	474599	73.64	ug/l	100
8) Diethyl Ether	2.19	74	215800	92.63	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.38	101	306097	81.12	ug/l	97
10) Methyl Iodide	2.51	142	372748	99.65	ug/l	93
11) Tert butyl alcohol	3.09	59	367465	421.43	ug/l	100
12) 1,1-Dichloroethene	2.37	96	281945	82.09	ug/l	90
13) Acrolein	2.29	56	132764	188.95	ug/l	100
14) Allyl chloride	2.73	41	546198	85.87	ug/l	87
15) Acrylonitrile	3.15	53	926800	476.01	ug/l	98
16) Acetone	2.45	43	711673	416.79	ug/l #	89
17) Carbon Disulfide	2.56	76	687380	72.03	ug/l	99
18) Methyl Acetate	2.78	43	459289	95.35	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	1038868	90.56	ug/l	100
20) Methylene Chloride	2.86	84	331477	85.91	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	303163	82.81	ug/l	94
22) Diisopropyl ether	3.88	45	1037547	80.17	ug/l	94
23) Vinyl Acetate	3.83	43	4263130	388.00	ug/l	95
24) 1,1-Dichloroethane	3.70	63	578191	85.84	ug/l	100
25) 2-Butanone	4.71	43	1157746	383.18	ug/l	92
26) 2,2-Dichloropropane	4.59	77	422881	71.78	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	360069	80.03	ug/l	91
28) Bromochloromethane	5.03	49	275986	81.32	ug/l	88
29) Tetrahydrofuran	5.17	42	755079	385.04	ug/l	92
30) Chloroform	5.22	83	582061	78.56	ug/l	97
31) Cyclohexane	5.57	56	480684	76.21	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	500038	76.50	ug/l	97
36) 1,1-Dichloropropene	5.80	75	419434	68.13	ug/l	98
37) Ethyl Acetate	4.87	43	446881	66.21	ug/l	96
38) Carbon Tetrachloride	5.78	117	442001	65.63	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	495593	68.33	ug/l	94
40) Benzene	6.15	78	1315078	72.08	ug/l	99
41) Methacrylonitrile	5.07	41	259966	70.35	ug/l	92
42) 1,2-Dichloroethane	6.20	62	435000	63.81	ug/l	95
43) Isopropyl Acetate	6.47	43	734734	69.32	ug/l	93
44) Trichloroethene	7.21	130	376988	69.87	ug/l	99
45) 1,2-Dichloropropane	7.52	63	353757	74.58	ug/l	100
46) Dibromomethane	7.67	93	226905	70.18	ug/l	96
47) Bromodichloromethane	7.90	83	445912	74.75	ug/l	99
48) Methyl methacrylate	7.78	41	379545	69.82	ug/l	85
49) 1,4-Dioxane	7.76	88	164939	1451.19	ug/l #	94
51) 4-Methyl-2-Pentanone	8.65	43	2400968	363.87	ug/l	92
52) Toluene	8.79	92	832633	72.19	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	541327	77.12	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	495436	77.55	ug/l	91
55) 1,1,2-Trichloroethane	9.22	97	342447	71.57	ug/l	98
56) Ethyl methacrylate	9.18	69	534610	81.58	ug/l #	85
57) 1,3-Dichloropropane	9.38	76	555341	72.06	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1299999	411.23	ug/l	98
59) 2-Hexanone	9.50	43	1771979	353.56	ug/l	90
60) Dibromochloromethane	9.59	129	357924	71.64	ug/l	100
61) 1,2-Dibromoethane	9.68	107	348616	69.52	ug/l	100
64) Tetrachloroethene	9.34	164	381928	65.56	ug/l	99
65) Chlorobenzene	10.14	112	916299	69.98	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	340302	72.03	ug/l	99
67) Ethyl Benzene	10.26	91	1555366	73.45	ug/l	100
68) m/p-Xylenes	10.36	106	1211679	147.09	ug/l	97
69) o-Xylene	10.70	106	595741	74.65	ug/l	97
70) Styrene	10.71	104	1018112	78.67	ug/l	98
71) Bromoform	10.86	173	283805	73.01	ug/l	99
73) Isopropylbenzene	11.02	105	1585671	82.54	ug/l	100
74) N-amyl acetate	6.47	43	734734	80.17	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	502402	84.31	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	440280m	83.72	ug/l	
77) Bromobenzene	11.26	156	435896	78.58	ug/l	100
78) n-propylbenzene	11.37	91	1820158	85.21	ug/l	99
79) 2-Chlorotoluene	11.43	91	1074745	82.59	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1341852	83.88	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	155079	96.38	ug/l	89
82) 4-Chlorotoluene	11.51	91	1281439	84.34	ug/l	99
83) tert-Butylbenzene	11.77	119	1328473	83.13	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	1370807	83.68	ug/l	97
85) sec-Butylbenzene	11.95	105	1586851	84.02	ug/l	100
86) p-Isopropyltoluene	12.07	119	1438242	83.58	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	805098	79.12	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	820426	79.64	ug/l	99
89) n-Butylbenzene	12.39	91	1264321	87.94	ug/l	99
90) Hexachloroethane	12.60	117	227087	86.44	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	822742	80.52	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	108994	85.25	ug/l	95

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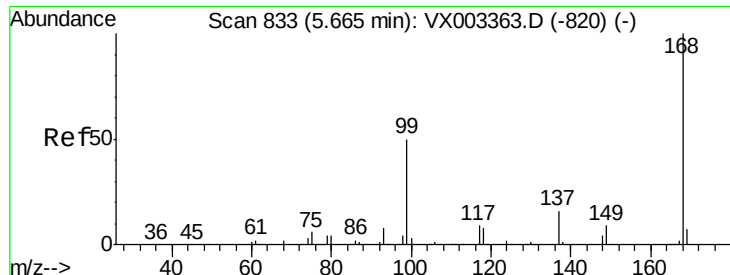
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	577267	77.63	ug/l	100
94) Hexachlorobutadiene	13.79	225	265794	71.80	ug/l	99
95) Naphthalene	13.83	128	1697781	87.27	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	577991	77.94	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 305605

Ion Ratio Lower Upper

168 100

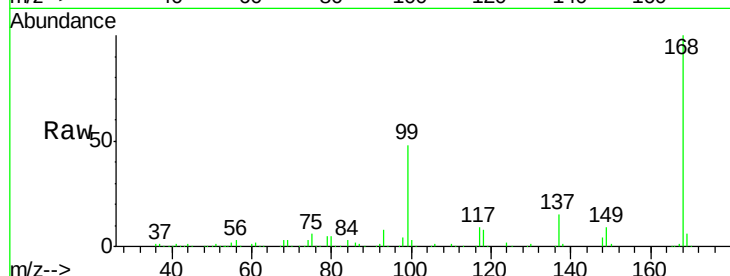
99 47.5 39.3 58.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

0

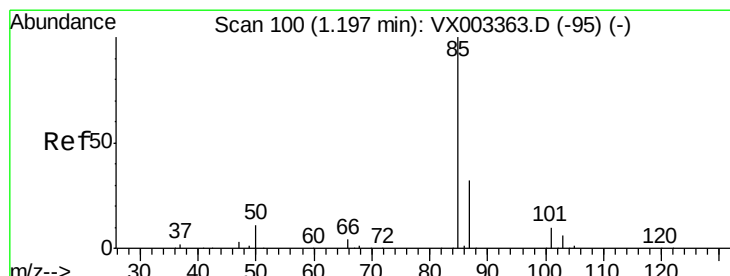
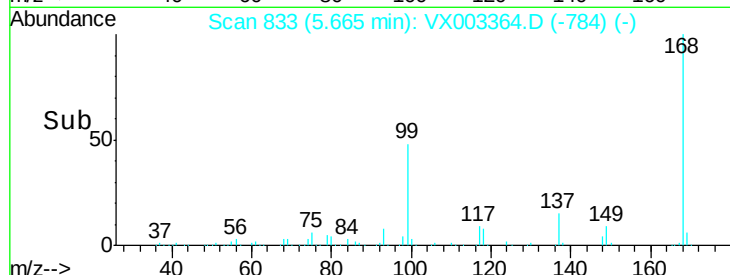
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.13 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003364.D

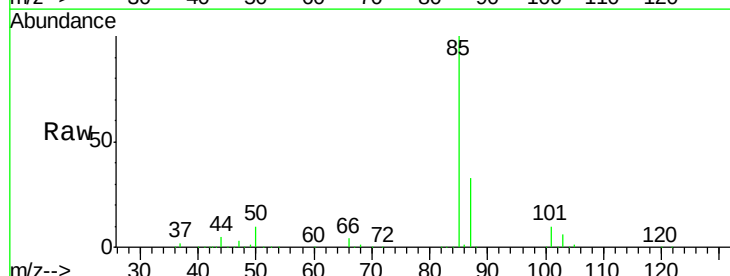
Acq: 13 Jul 2018 13:18

Tgt Ion: 85 Resp: 223627

Ion Ratio Lower Upper

85 100

87 32.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

250000

200000

150000

100000

50000

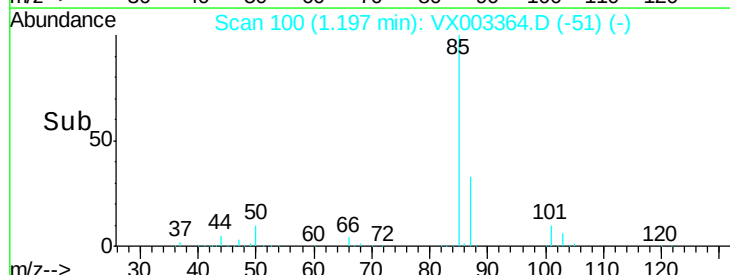
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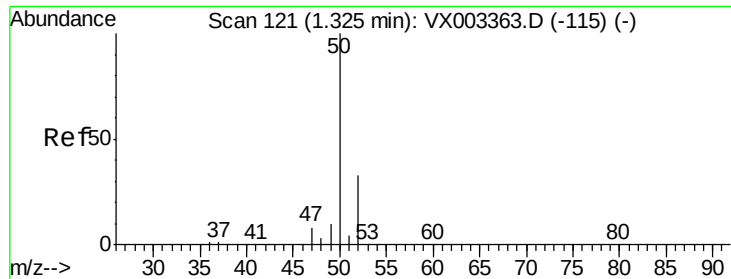
1.10

1.20

1.30

Time-->





#3

Chloromethane

Concen: 65.36 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 276080

Ion Ratio Lower Upper

50 100

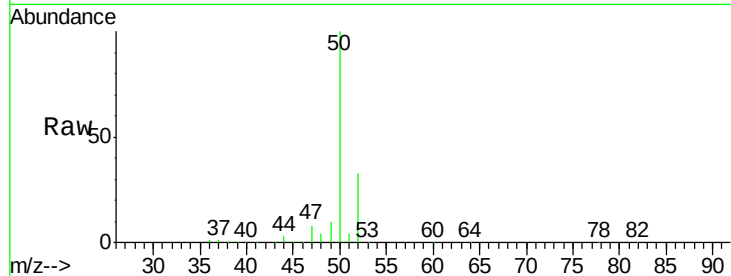
52 32.7 25.7 38.5

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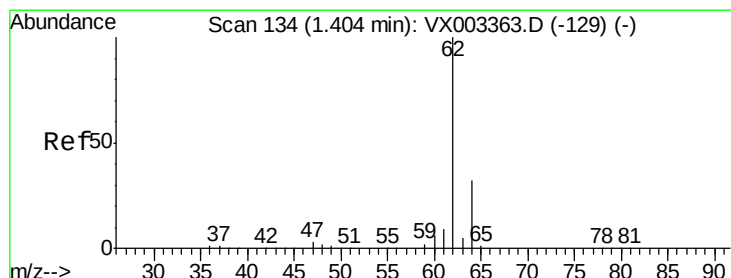
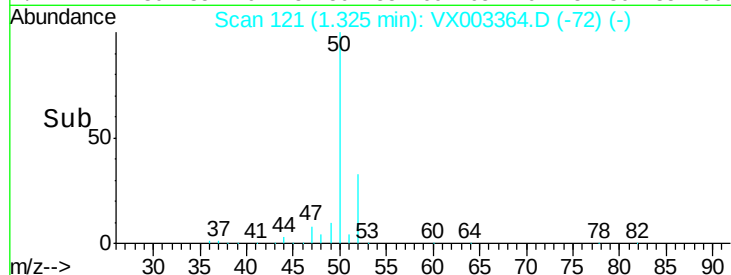
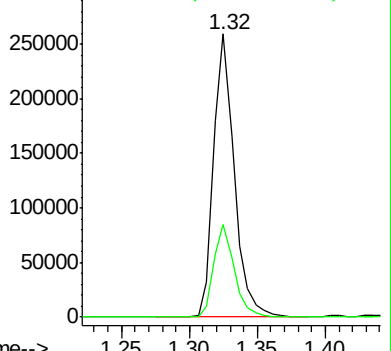
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 76.29 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX003364.D

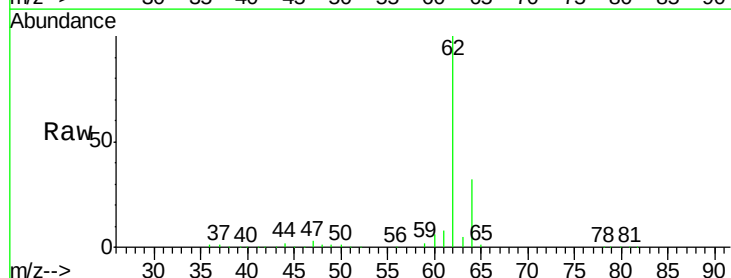
Acq: 13 Jul 2018 13:18

Tgt Ion: 62 Resp: 330785

Ion Ratio Lower Upper

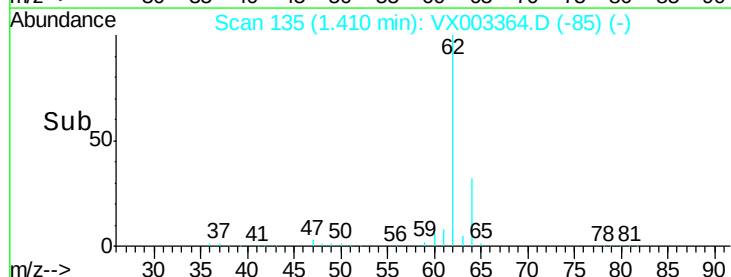
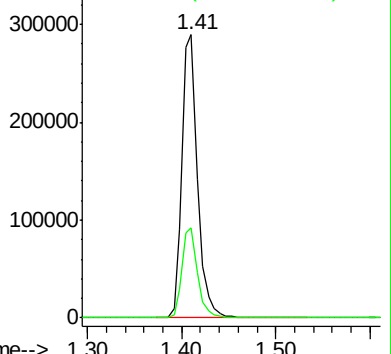
62 100

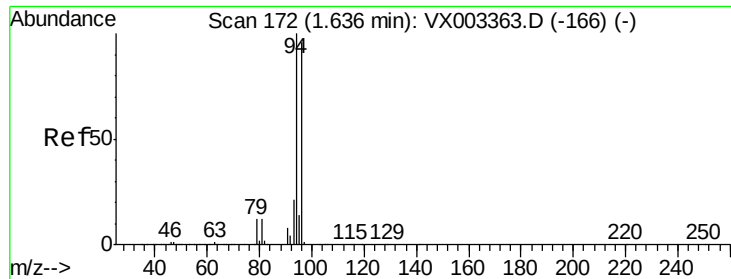
64 31.7 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 75.44 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 129368

Ion Ratio Lower Upper

94 100

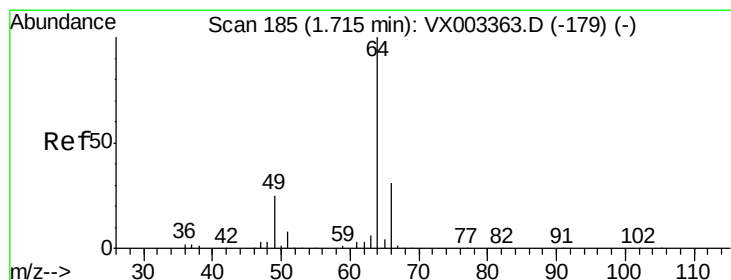
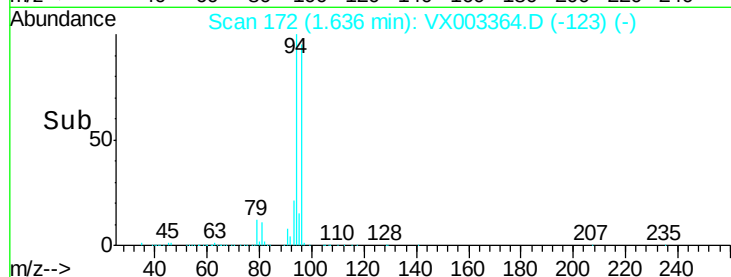
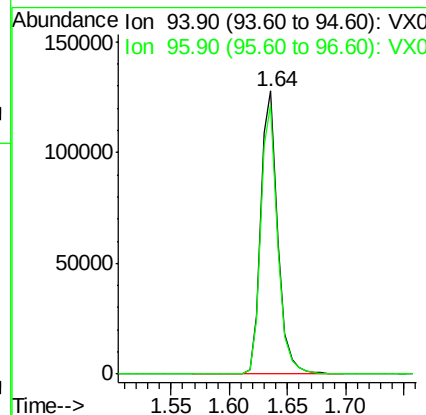
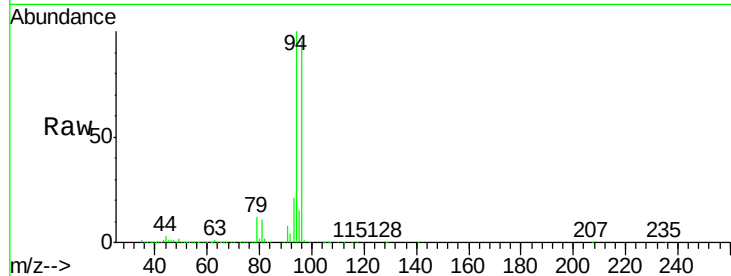
96 95.2 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 89.39 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX003364.D

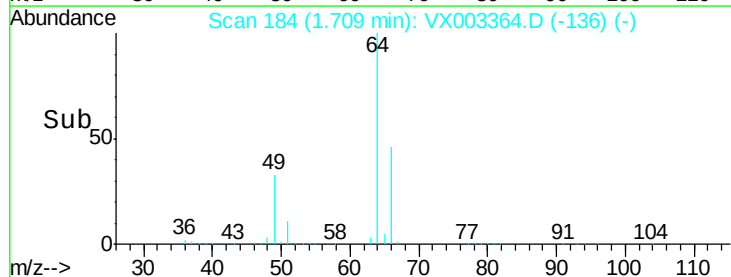
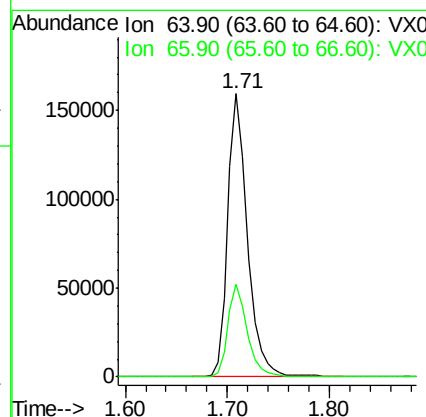
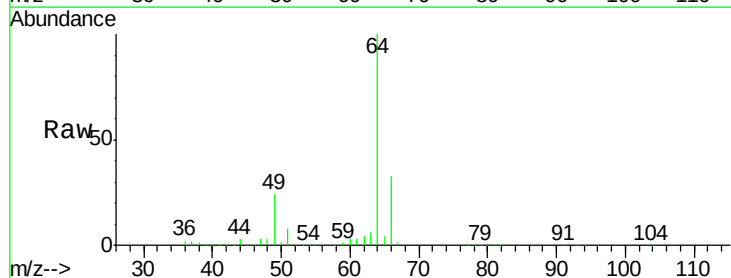
Acq: 13 Jul 2018 13:18

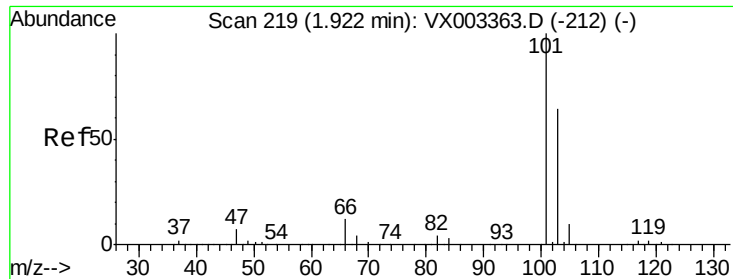
Tgt Ion: 64 Resp: 214742

Ion Ratio Lower Upper

64 100

66 32.7 25.5 38.3





#7

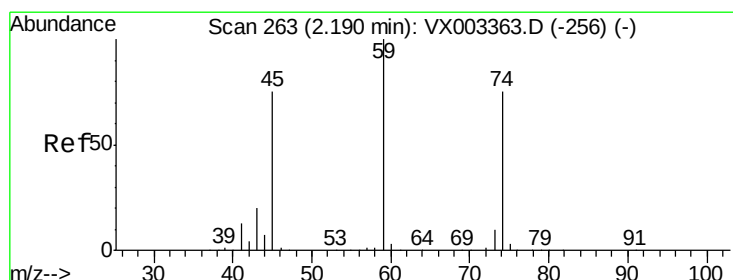
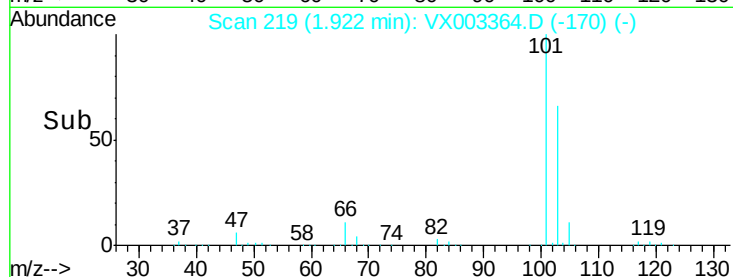
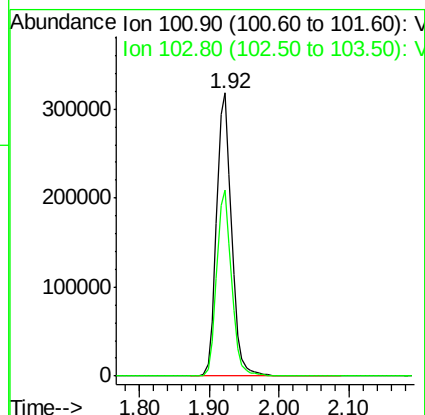
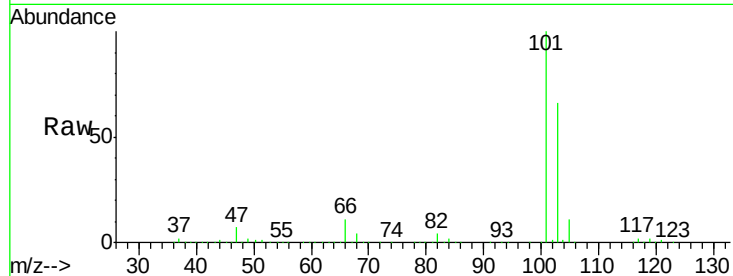
Trichlorofluoromethane
 Concen: 73.64 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VX003364.D
 Acq: 13 Jul 2018 13:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	52.8	79.2

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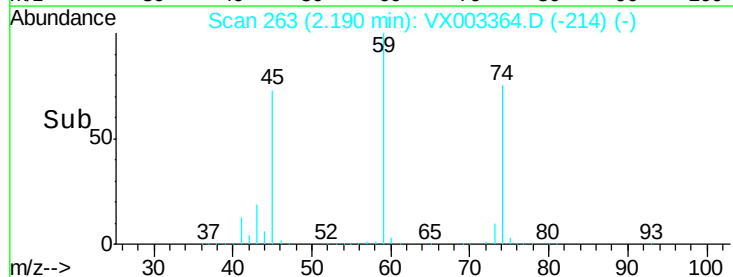
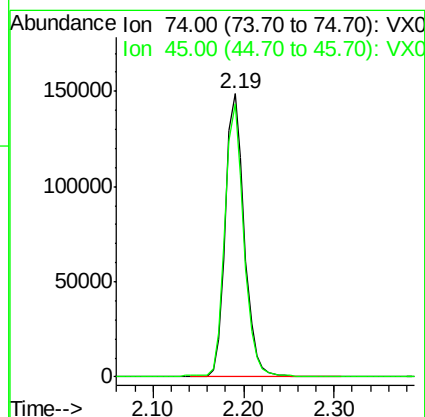
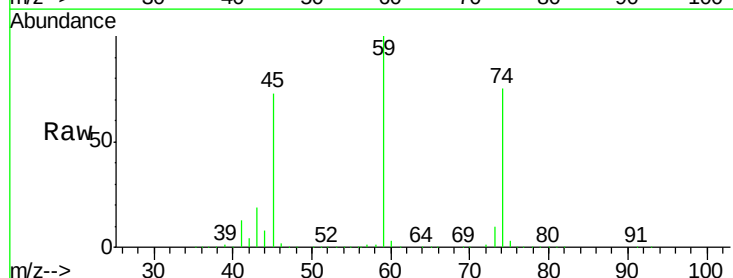
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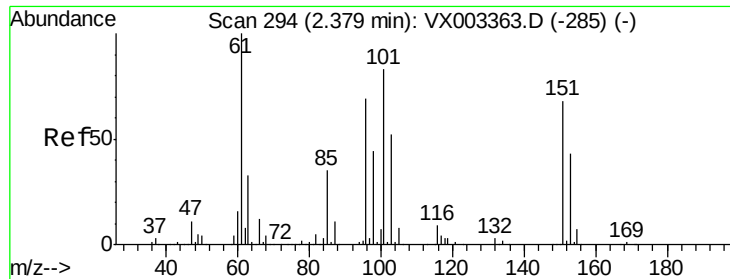


#8

Diethyl Ether
 Concen: 92.63 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003364.D
 Acq: 13 Jul 2018 13:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.2	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 81.12 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

Instrument :

MSVOA_X

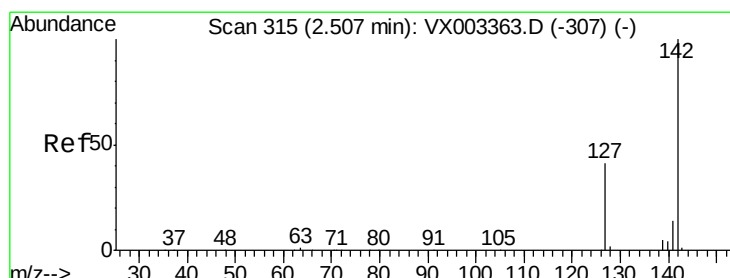
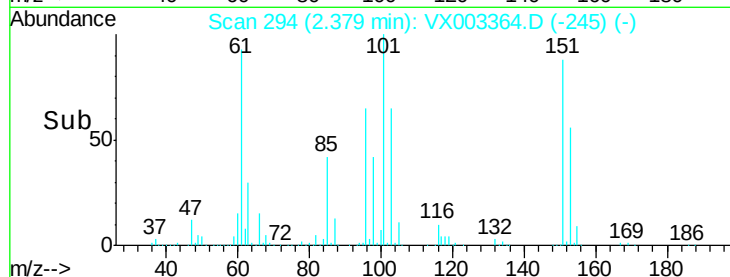
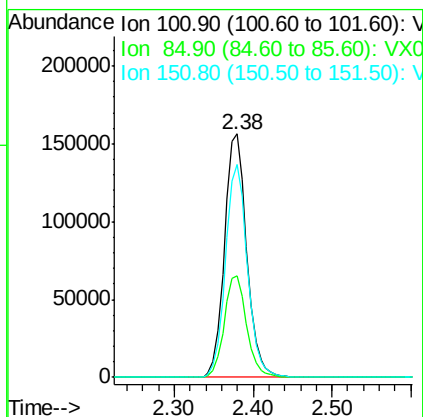
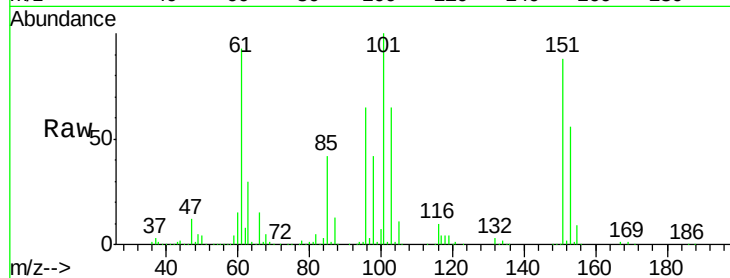
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	306097
Ion Ratio	Lower	Upper	
101	100		
85	41.8	36.0	54.0
151	86.5	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 99.65 ug/l

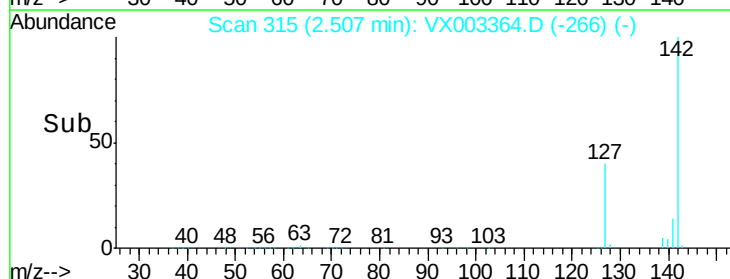
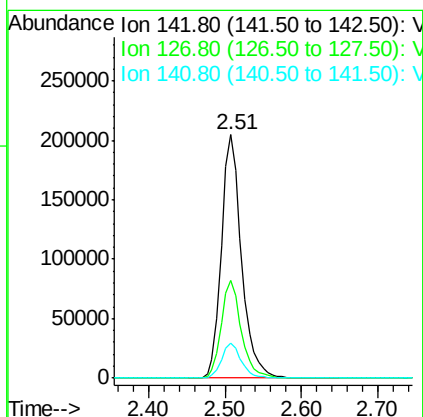
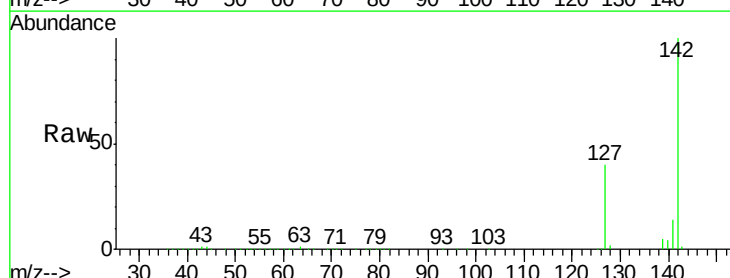
RT: 2.51 min Scan# 315

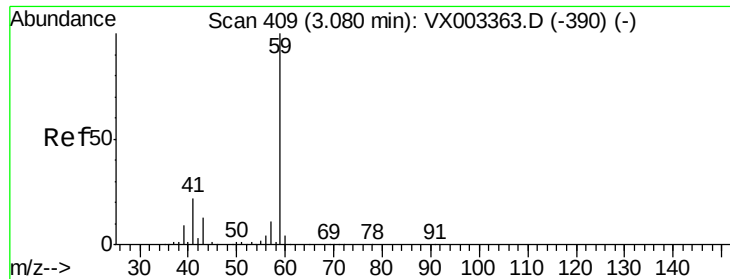
Delta R.T. 0.00 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

Tgt Ion:	142	Resp:	372748
Ion Ratio	Lower	Upper	
142	100		
127	40.1	36.6	55.0
141	14.1	11.3	16.9





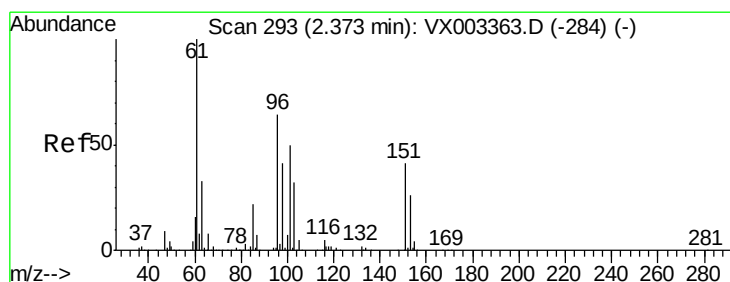
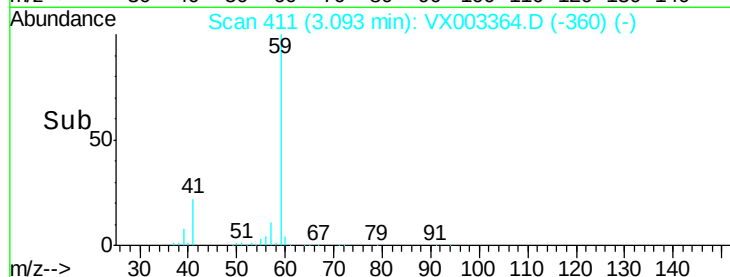
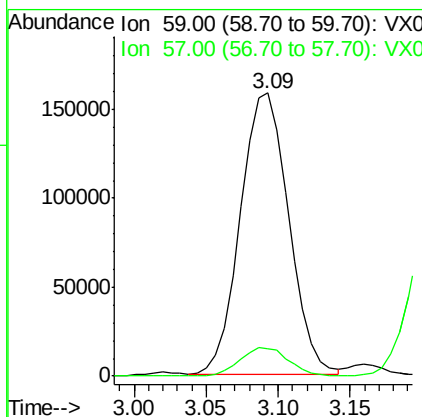
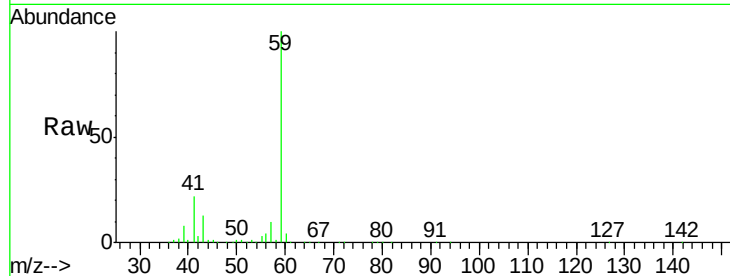
#11
Tert butyl alcohol
Concen: 421.43 ug/l
RT: 3.09 min Scan# 411
Delta R.T. 0.01 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	59	Resp	367465
Ion Ratio	100	Lower	Upper
57	10.2	8.2	12.2

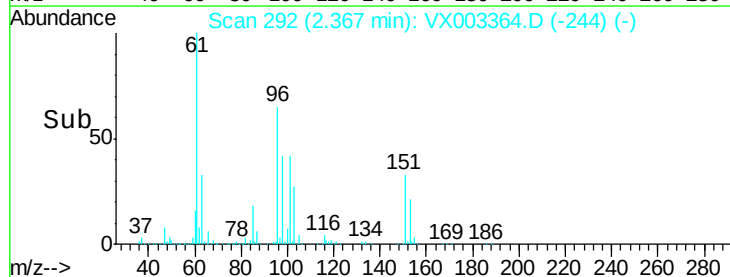
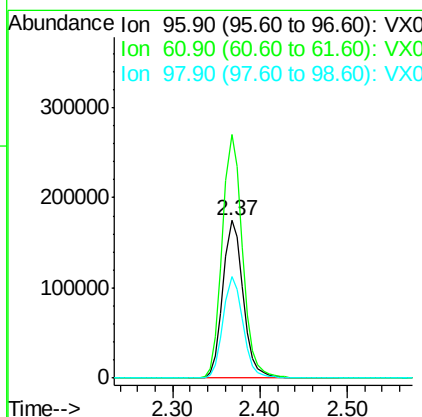
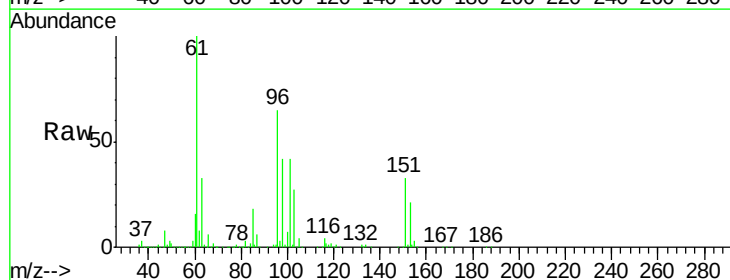
Manual Integrations
APPROVED

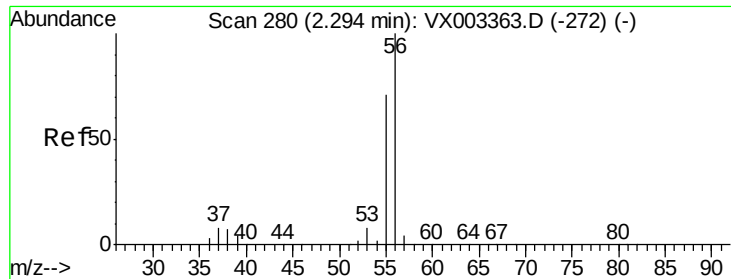
MMDadoda
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#12
1,1-Dichloroethene
Concen: 82.09 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Tgt Ion	96	Resp	281945
Ion Ratio	100	Lower	Upper
61	154.4	137.9	206.9
98	64.5	51.6	77.4





#13

Acrolein

Concen: 188.95 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 56 Resp: 132764

Ion Ratio Lower Upper

56 100

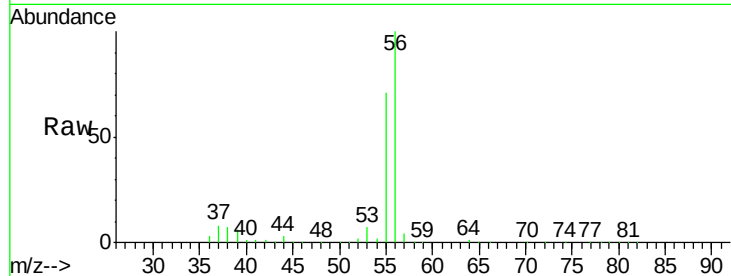
55 71.0 57.0 85.4

Manual Integrations

APPROVED

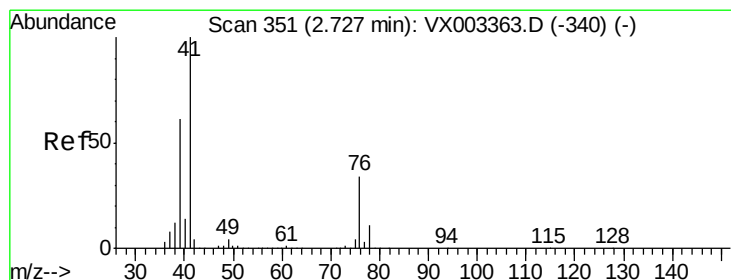
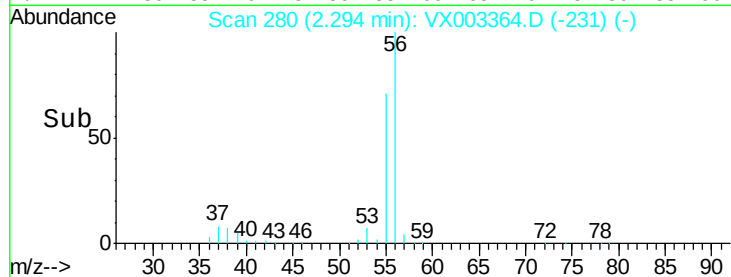
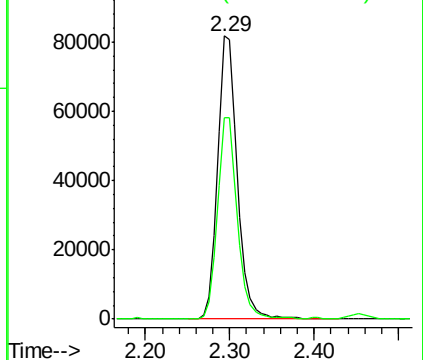
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 85.87 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

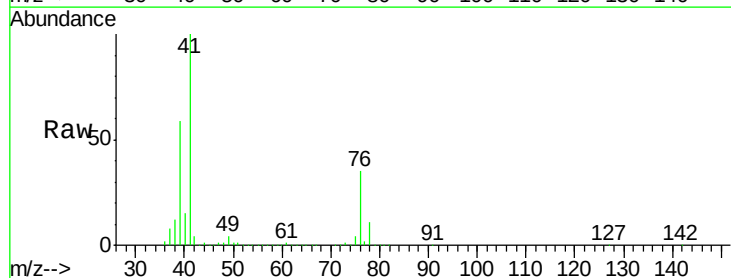
Tgt Ion: 41 Resp: 546198

Ion Ratio Lower Upper

41 100

39 57.5 56.8 85.2

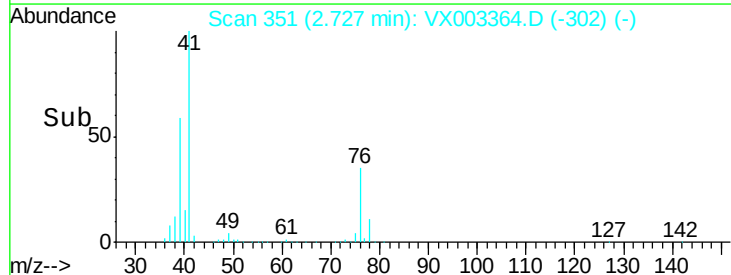
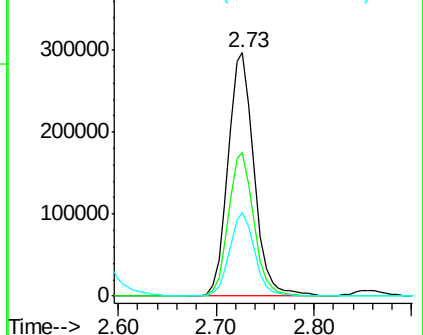
76 33.2 23.8 35.8

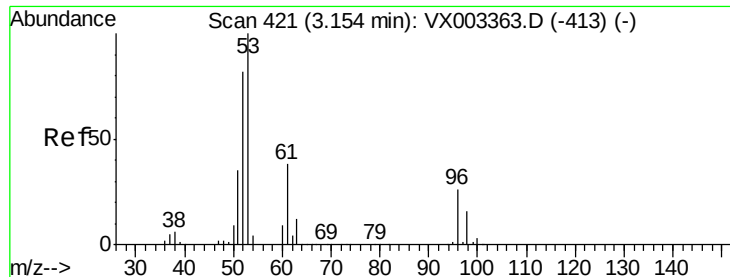


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 476.01 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

Instrument :

MSVOA_X

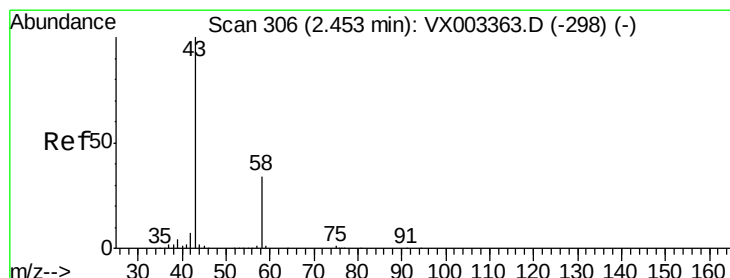
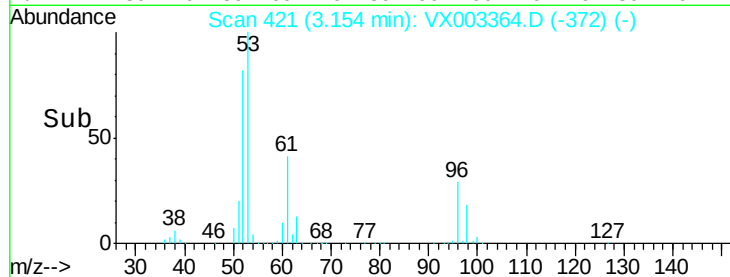
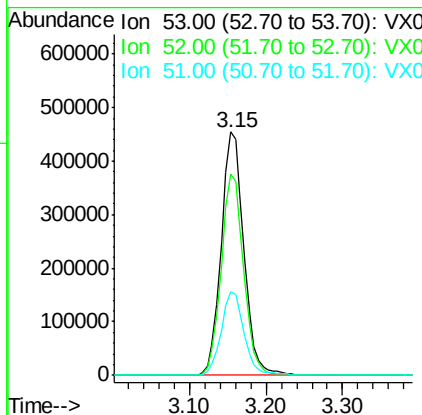
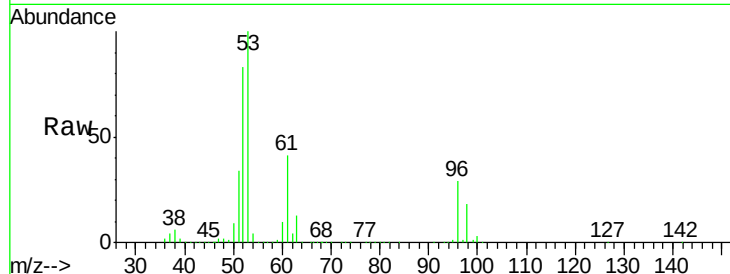
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	926800
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.7	100.1
51	34.9	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 416.79 ug/l

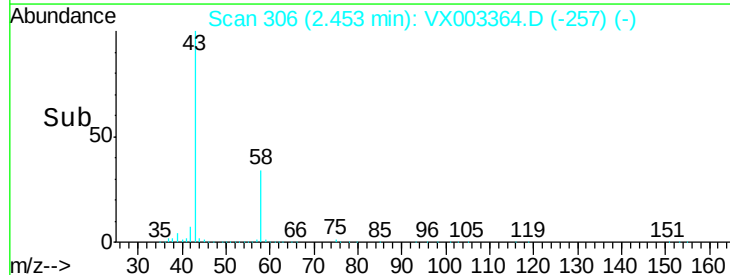
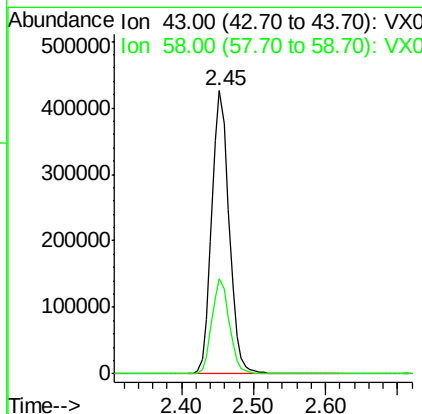
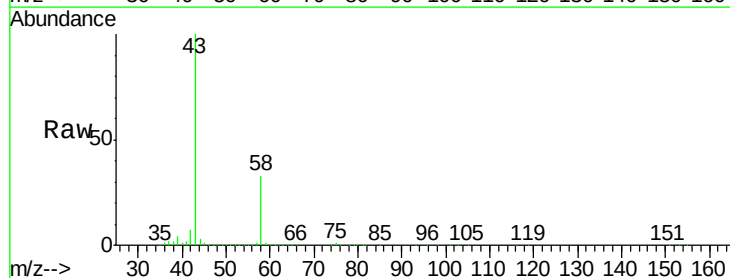
RT: 2.45 min Scan# 306

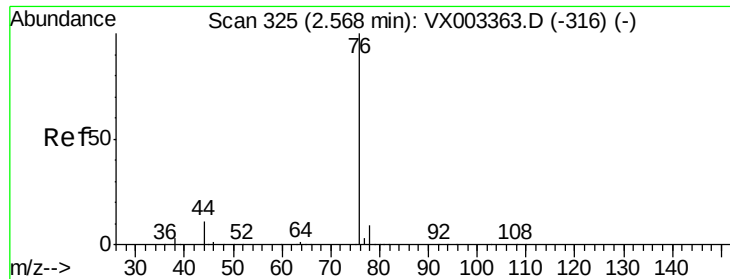
Delta R.T. 0.00 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

Tgt Ion:	43	Resp:	711673
Ion	Ratio	Lower	Upper
43	100		
58	33.5	22.1	33.1#





#17

Carbon Disulfide

Concen: 72.03 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 687380

Ion Ratio Lower Upper

76 100

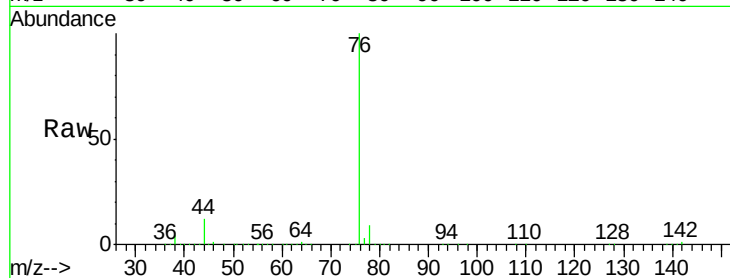
78 9.1 6.9 10.3

Manual Integrations

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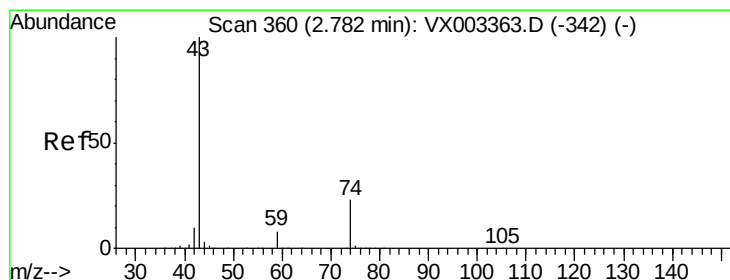
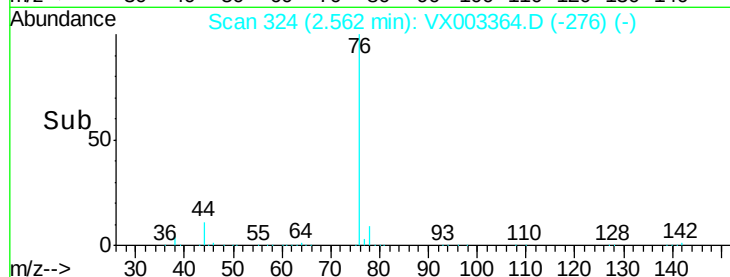
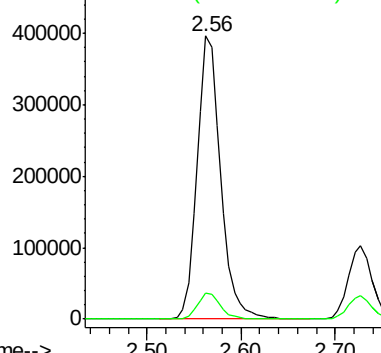
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 95.35 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003364.D

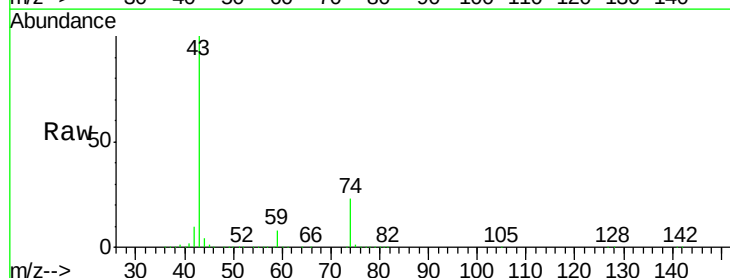
Acq: 13 Jul 2018 13:18

Tgt Ion: 43 Resp: 459289

Ion Ratio Lower Upper

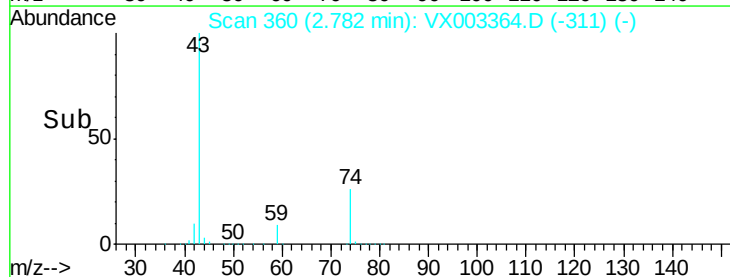
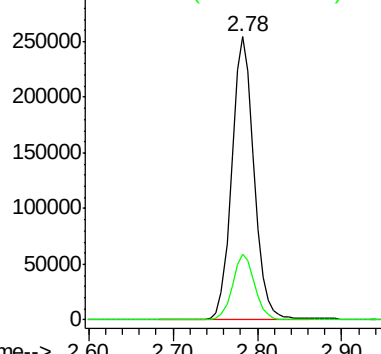
43 100

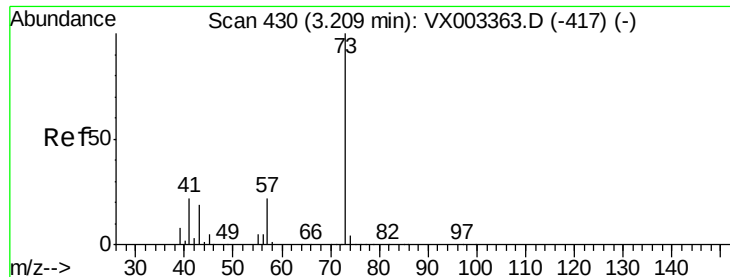
74 23.3 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





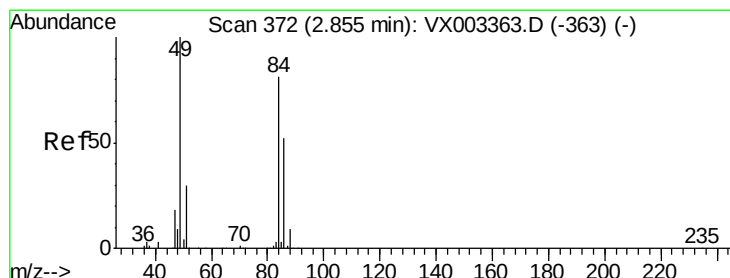
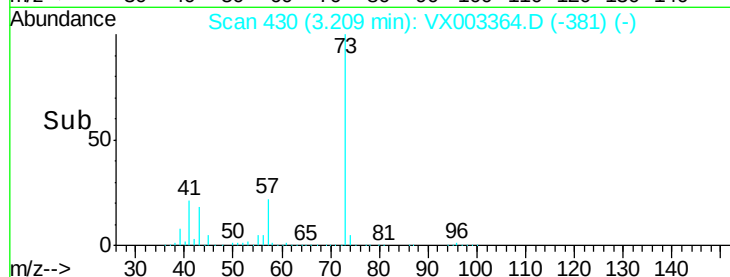
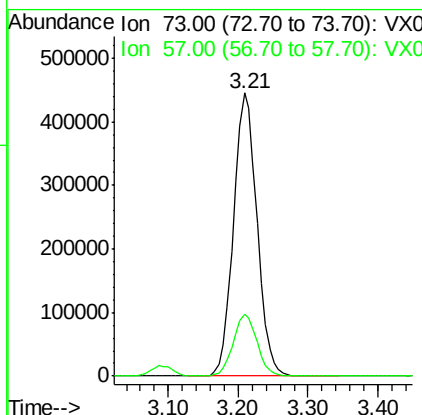
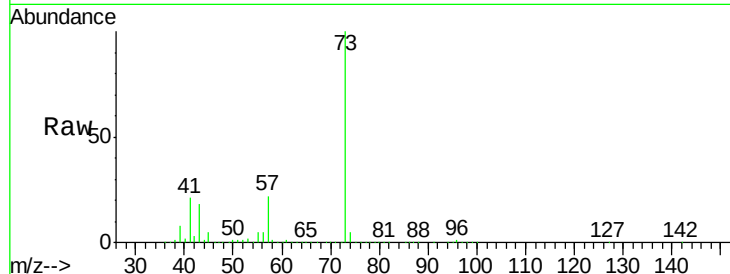
#19
Methyl tert-butyl Ether
Concen: 90.56 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1038868
Ion Ratio Lower Upper
73 100
57 22.0 17.7 26.5

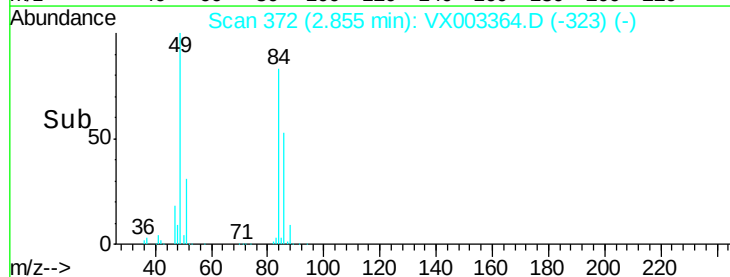
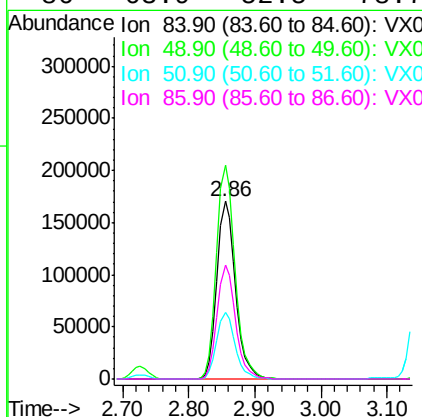
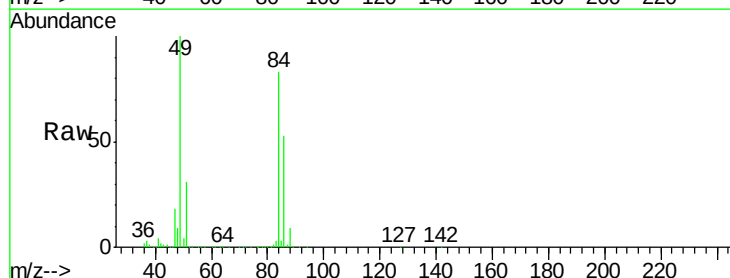
Manual Integrations
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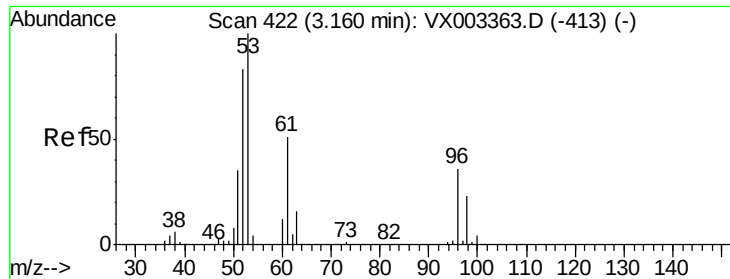
MMDadoda
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#20
Methylene Chloride
Concen: 85.91 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Tgt Ion: 84 Resp: 331477
Ion Ratio Lower Upper
84 100
49 120.2 107.8 161.6
51 37.4 32.8 49.2
86 63.9 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 82.81 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

Instrument :

MSVOA_X

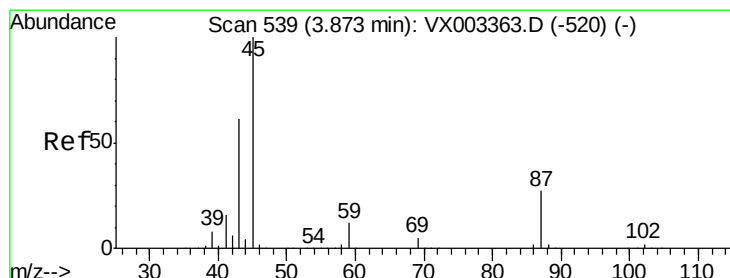
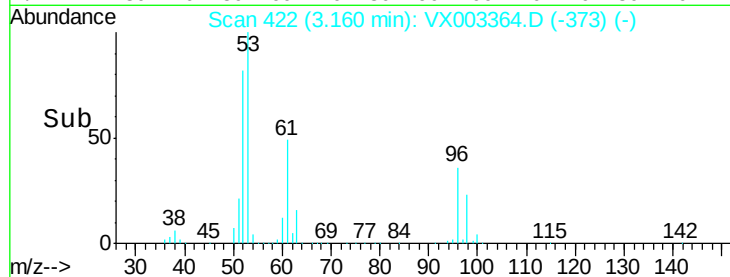
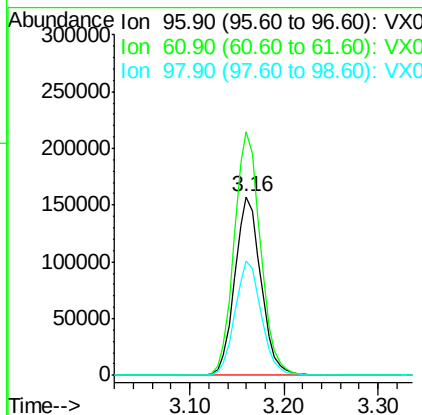
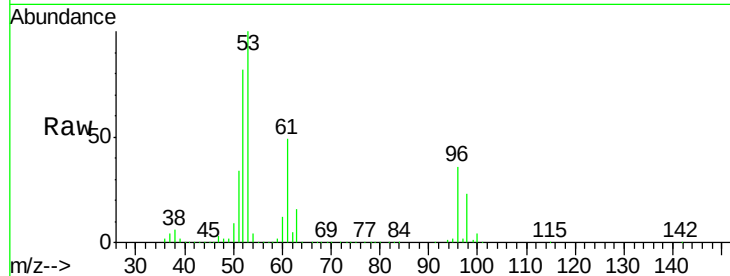
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	303163
Ion	Ratio	Lower	Upper
96	100		
61	136.2	117.0	175.4
98	63.7	52.4	78.6

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#22

Diisopropyl ether

Concen: 80.17 ug/l

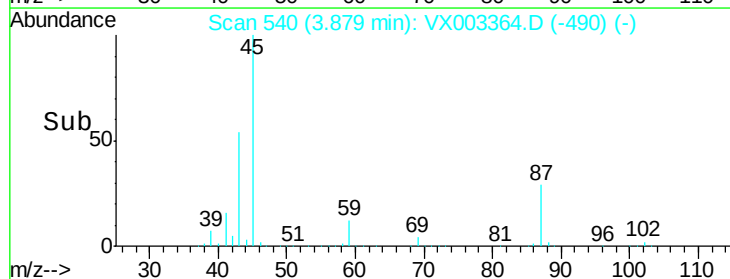
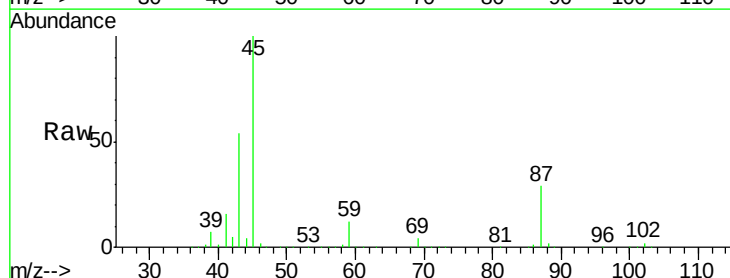
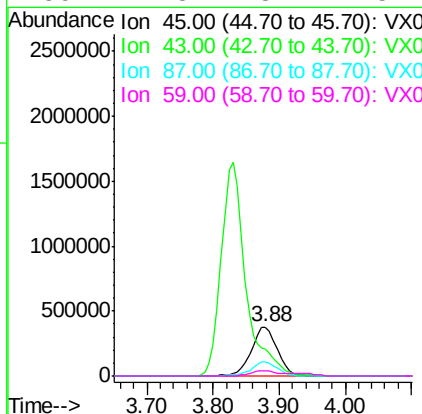
RT: 3.88 min Scan# 540

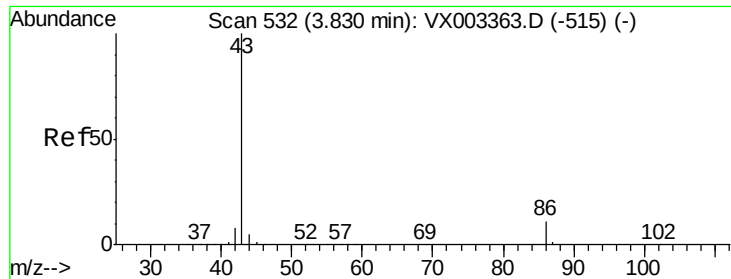
Delta R.T. 0.01 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

Tgt Ion:	45	Resp:	1037547
Ion	Ratio	Lower	Upper
45	100		
43	54.0	46.8	70.2
87	28.7	20.2	30.4
59	11.8	8.7	13.1





#23

Vinyl Acetate

Concen: 388.00 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

Instrument :

MSVOA_X

ClientSampled :

VSTDICC100

Tot Ion: 43 Resp: 4263130

Ion Ratio Lower Upper

43 100

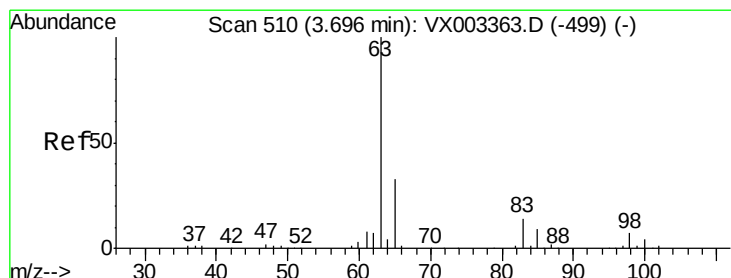
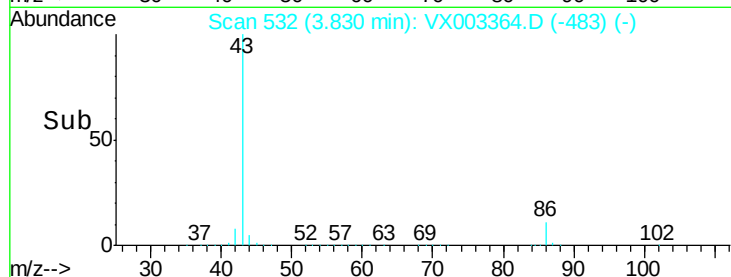
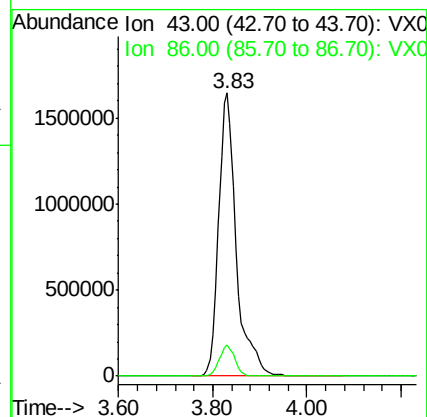
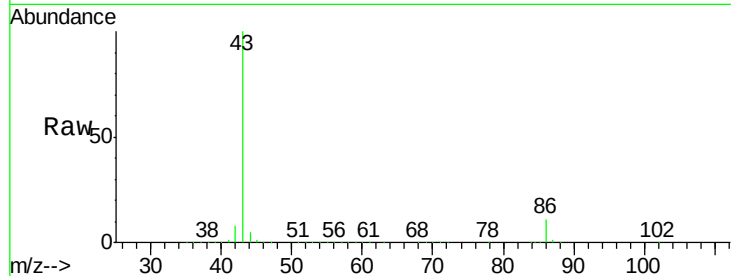
86 10.9 7.4 11.0

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#24

1,1-Dichloroethane

Concen: 85.84 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

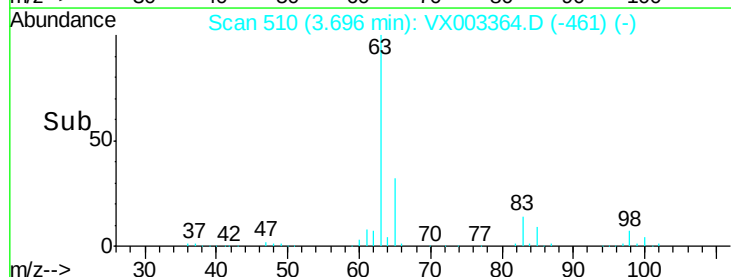
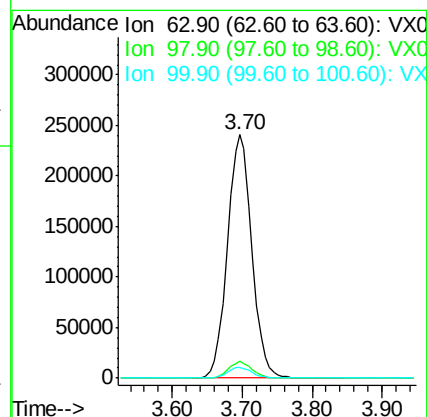
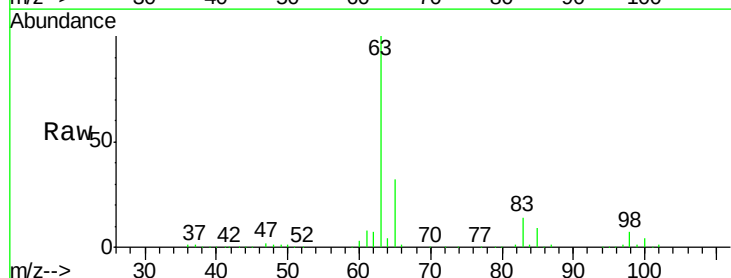
Tgt Ion: 63 Resp: 578191

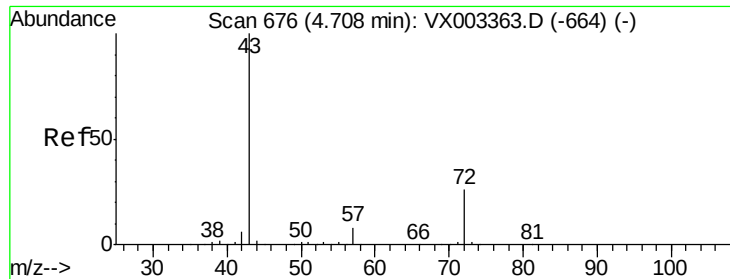
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 383.18 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

Tot Ion: 43 Resp: 1157746

Ion Ratio Lower Upper

43 100

72 27.0 18.5 27.7

Instrument :

MSVOA_X

ClientSampleId :

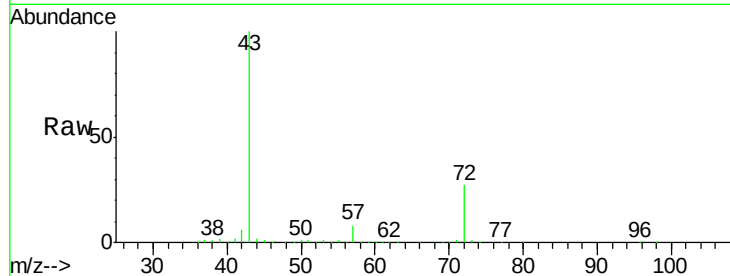
VSTDIC100

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

400000

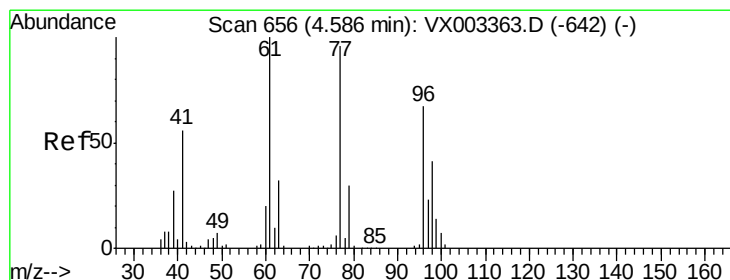
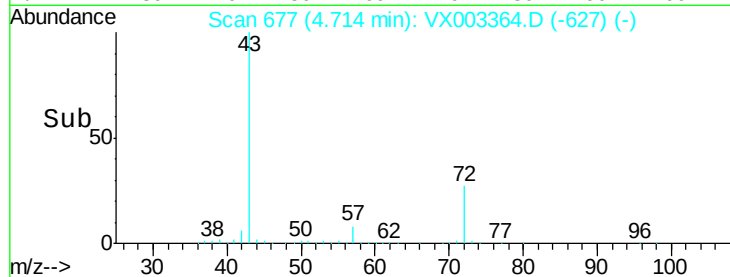
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 71.78 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003364.D

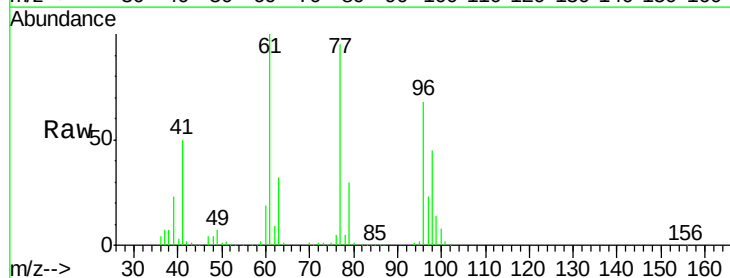
Acq: 13 Jul 2018 13:18

Tgt Ion: 77 Resp: 422881

Ion Ratio Lower Upper

77 100

97 24.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

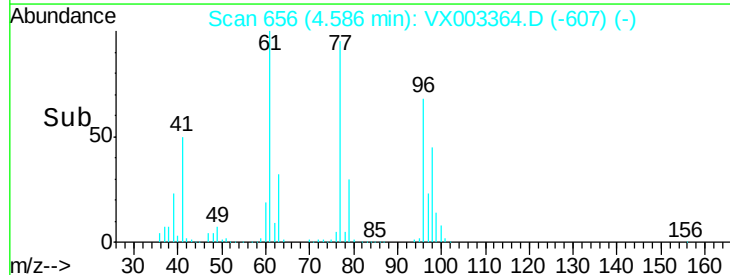
150000

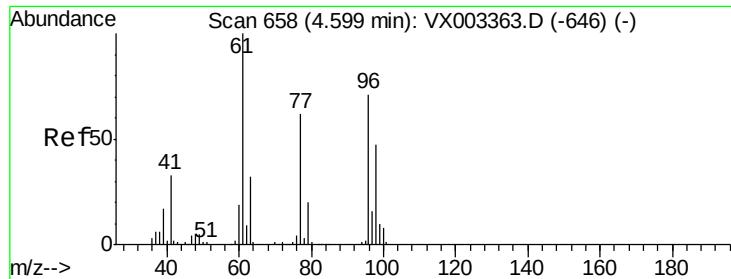
100000

50000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 80.03 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

Instrument :

MSVOA_X

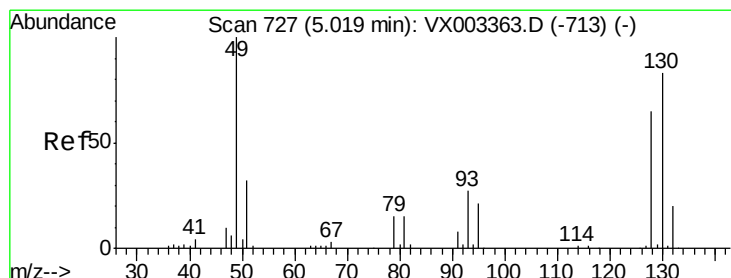
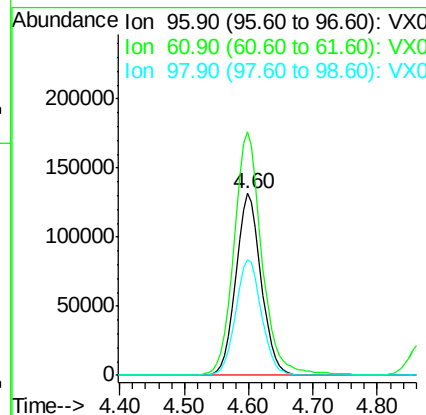
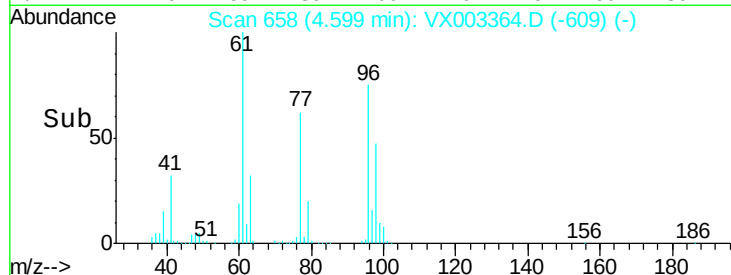
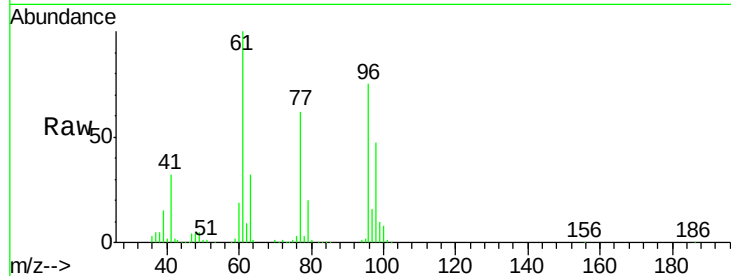
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	360069
Ion	Ratio	Lower	Upper
96	100		
61	148.0	0.0	330.2
98	65.0	0.0	130.2

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#28

Bromochloromethane

Concen: 81.32 ug/l

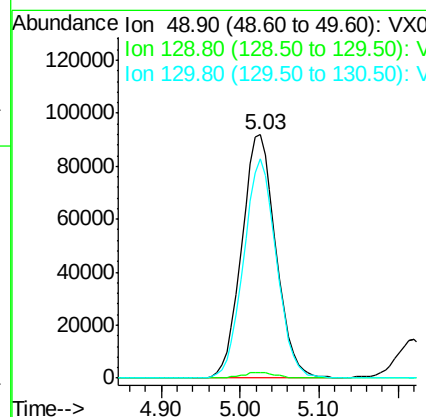
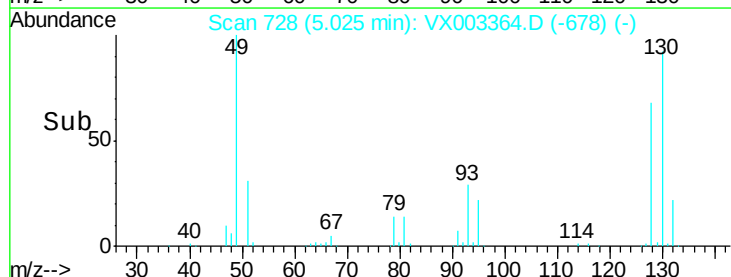
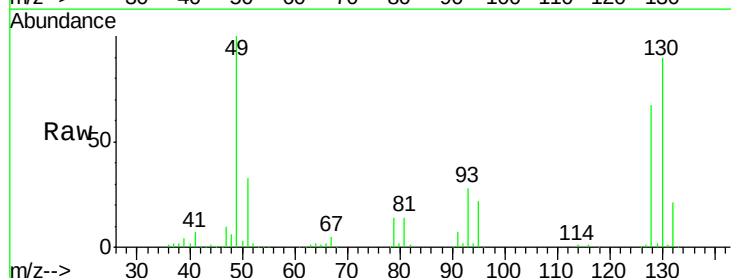
RT: 5.03 min Scan# 728

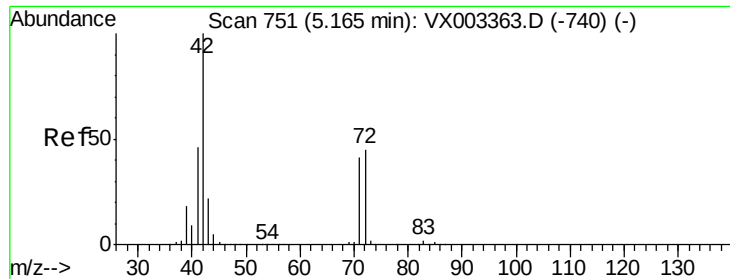
Delta R.T. 0.01 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

Tgt Ion:	49	Resp:	275986
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	86.9	61.2	91.8





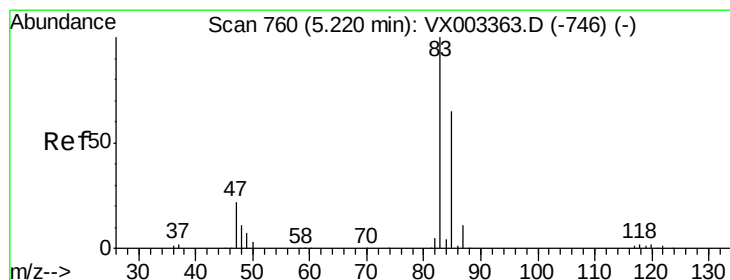
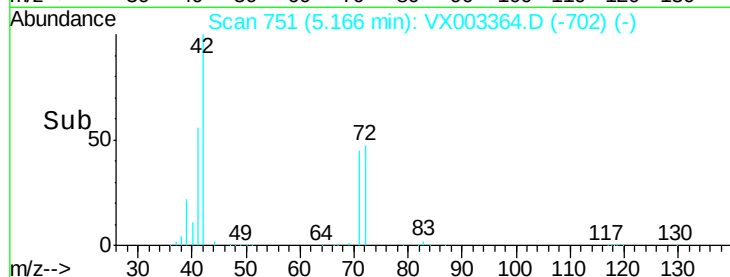
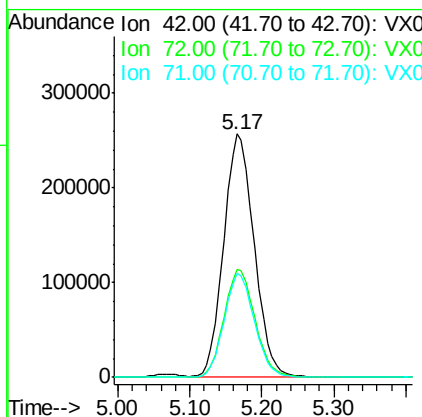
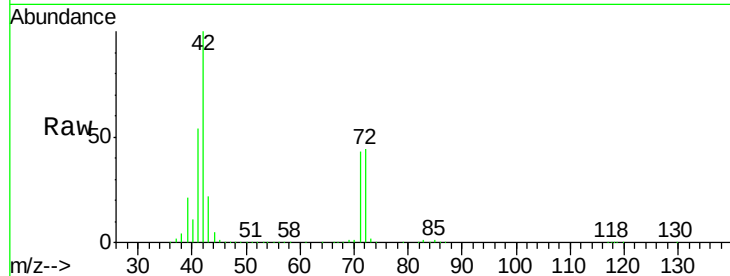
#29
Tetrahydrofuran
Concen: 385.04 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	32.0	48.0
71	42.5	30.1	45.1

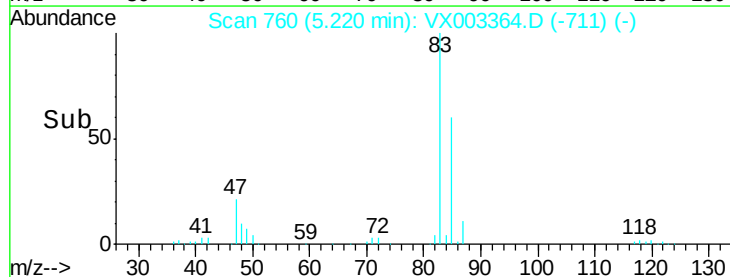
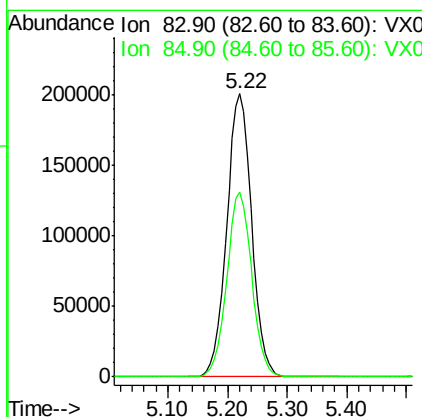
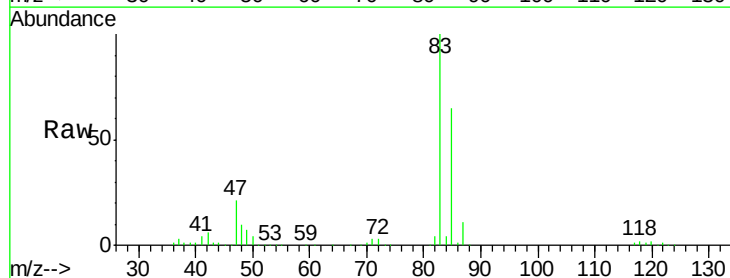
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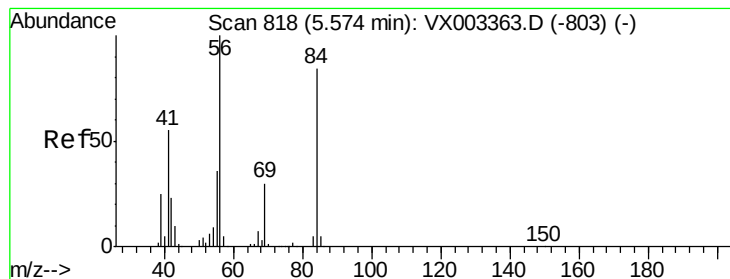
MMDadoda
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#30
Chloroform
Concen: 78.56 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.4	75.6





#31

Cyclohexane

Concen: 76.21 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

Instrument :

MSVOA_X

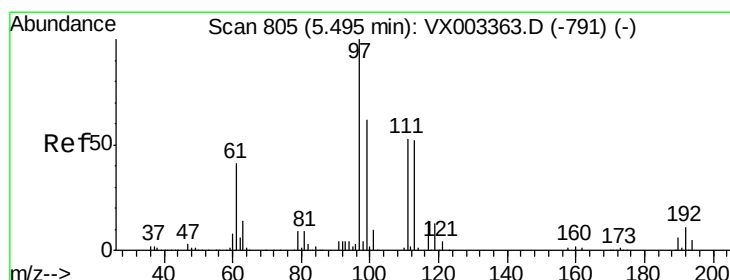
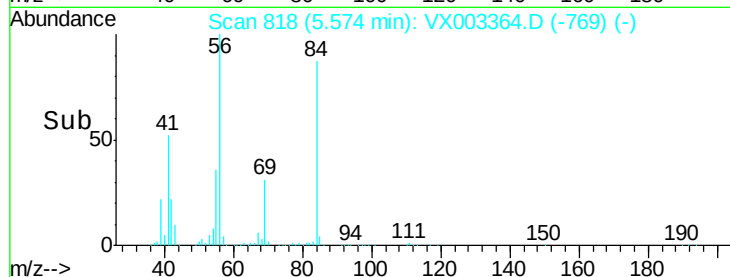
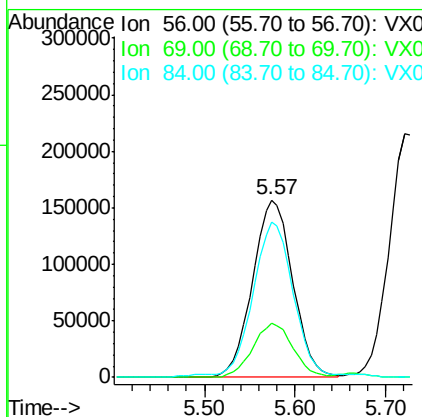
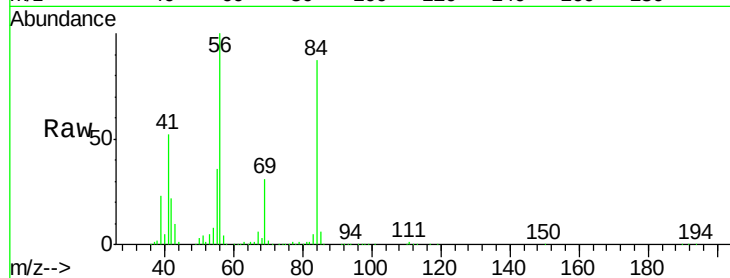
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	480684
Ion Ratio	Lower	Upper	
56	100		
69	30.7	23.7	35.5
84	86.0	64.1	96.1

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#32

1,1,1-Trichloroethane

Concen: 76.50 ug/l

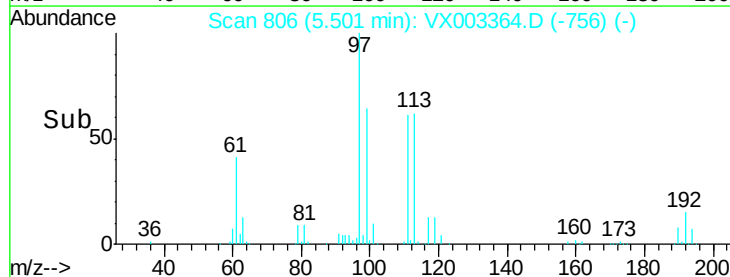
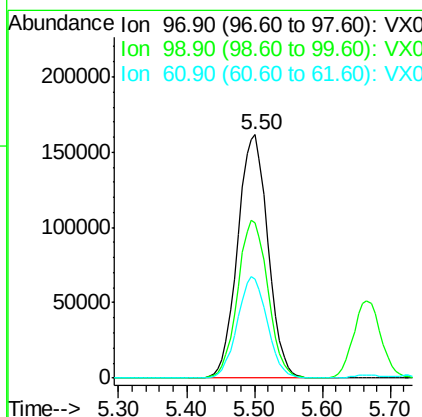
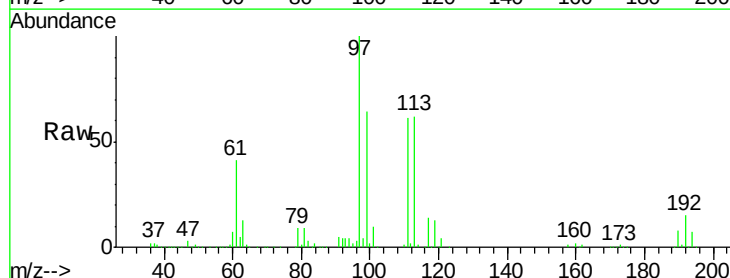
RT: 5.50 min Scan# 806

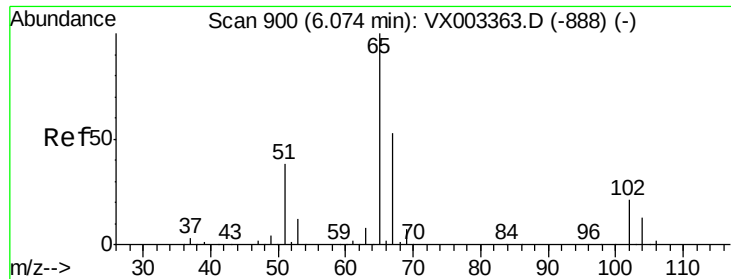
Delta R.T. 0.01 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

Tgt Ion:	97	Resp:	500038
Ion Ratio	Lower	Upper	
97	100		
99	64.6	51.6	77.4
61	41.3	36.4	54.6





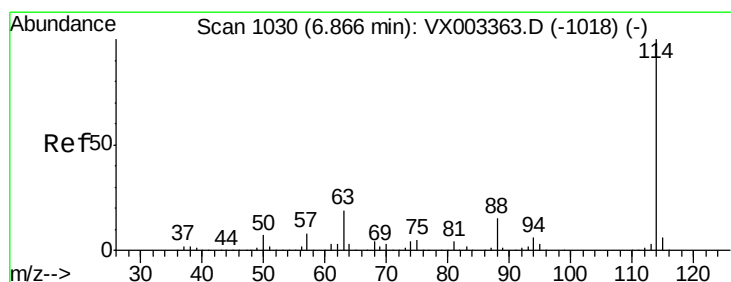
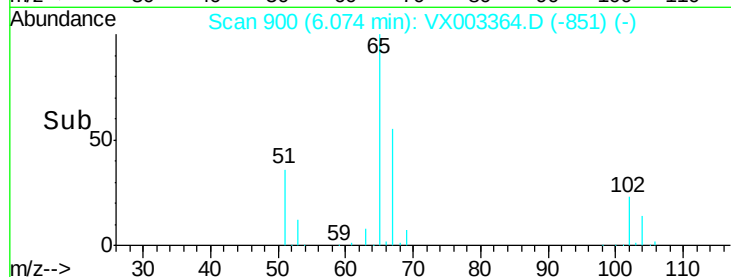
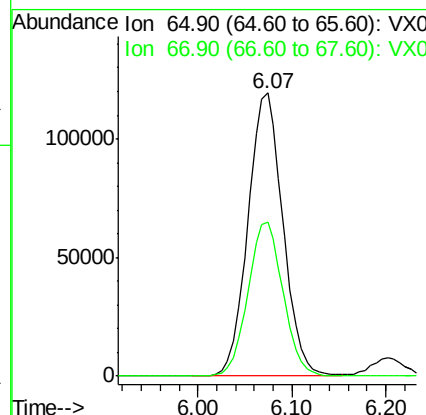
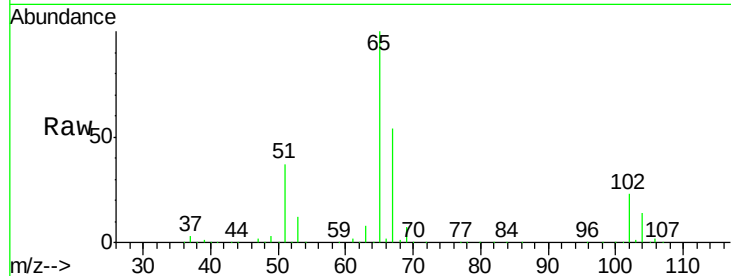
#33
 1,2-Dichloroethane-d4
 Concen: 64.65 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003364.D
 Acq: 13 Jul 2018 13:18

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	310926		
67	54.6	0.0	102.6	

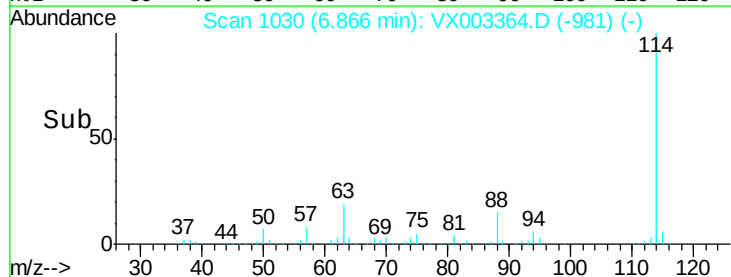
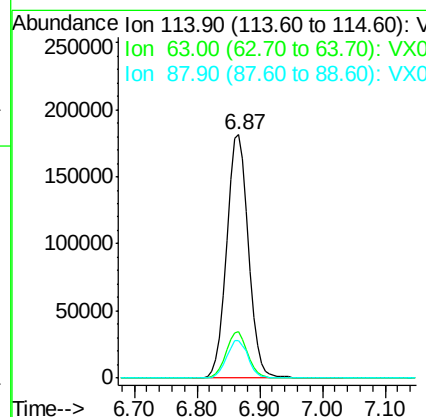
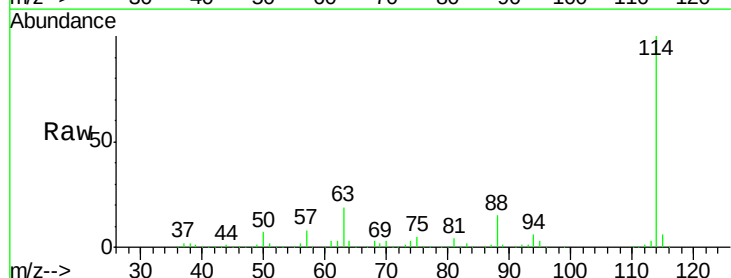
Manual Integrations
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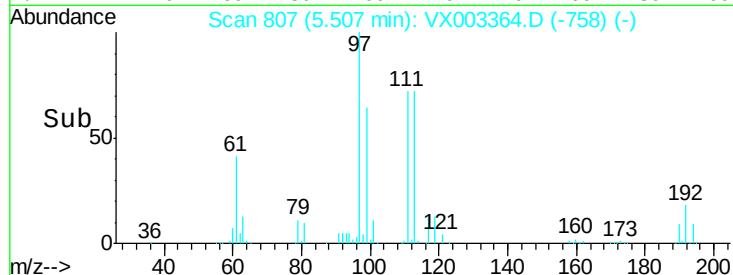
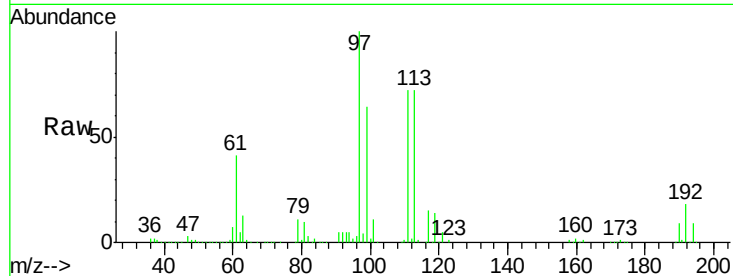
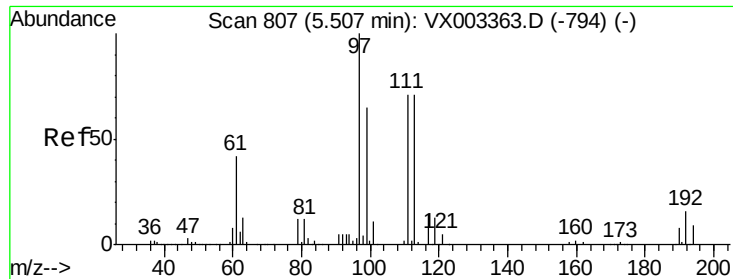
MMDadoda
 7/16/2018 11:24:41 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003364.D
 Acq: 13 Jul 2018 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	434914		
63	19.1	0.0	41.4	
88	15.2	0.0	30.0	





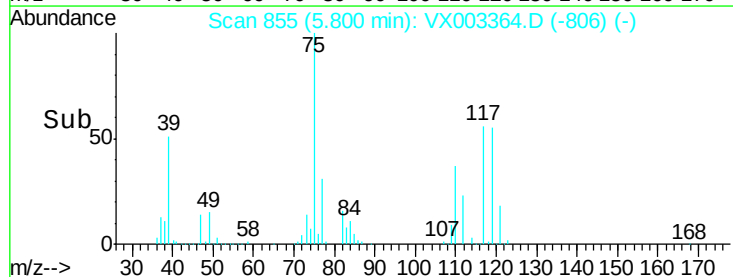
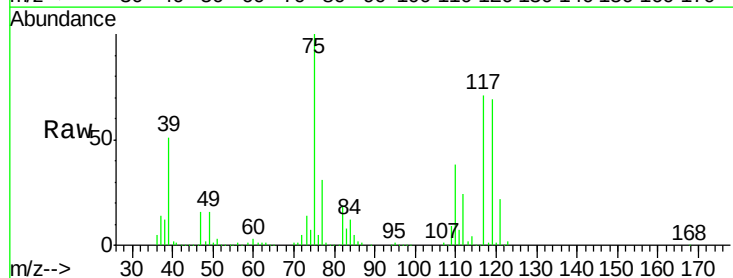
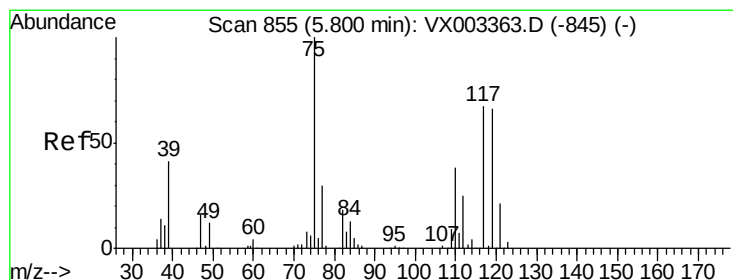
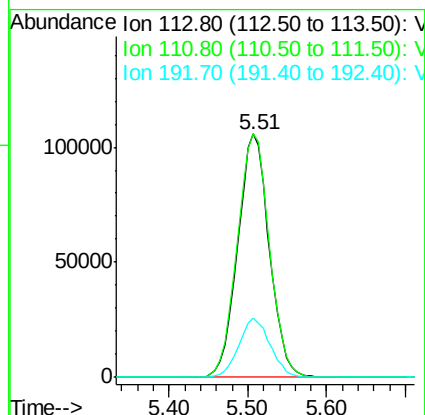
#35
Dibromofluoromethane
Concen: 62.72 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Tot Ion	Ratio	Resp	Lower	Upper
113	100	293068		
111	102.4	81.4	122.0	
192	24.4	19.1	28.7	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

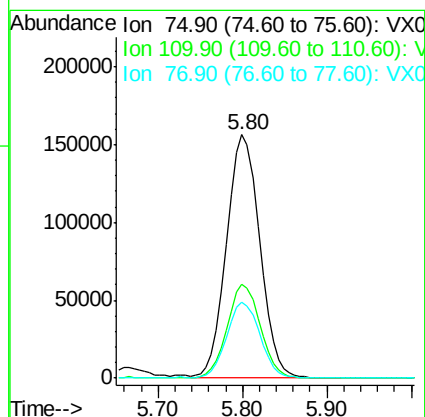
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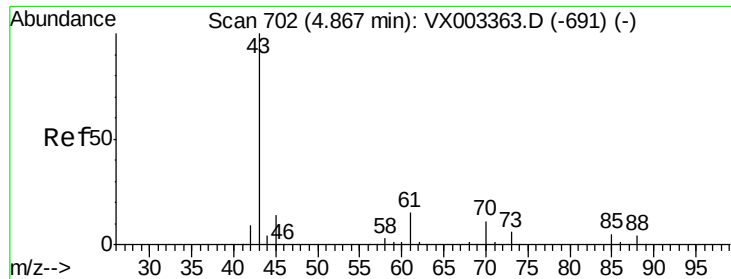
MMDadoda
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#36
1,1-Dichloropropene
Concen: 68.13 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	419434		
110	38.1	18.1	54.4	
77	31.0	24.3	36.5	





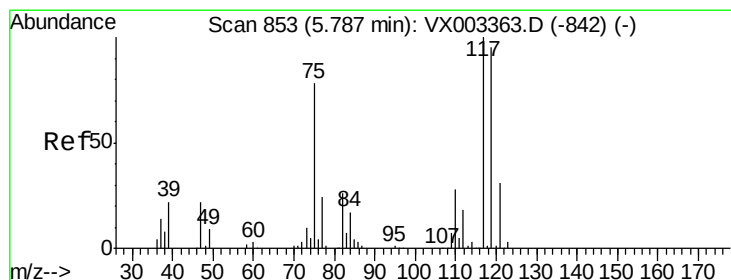
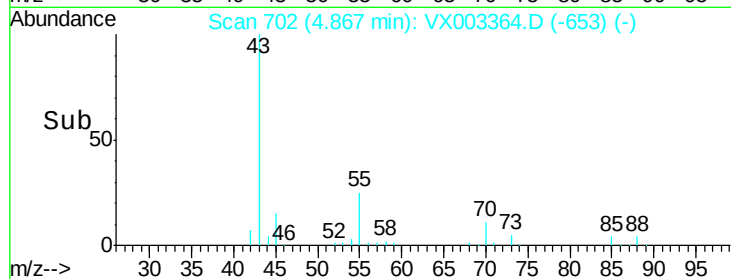
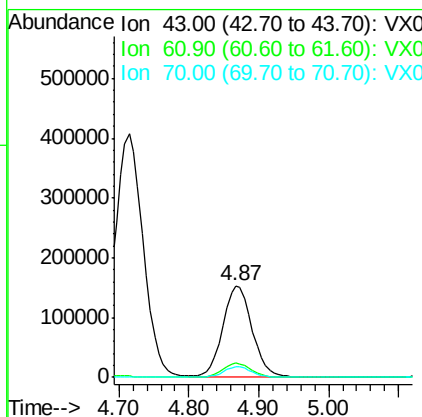
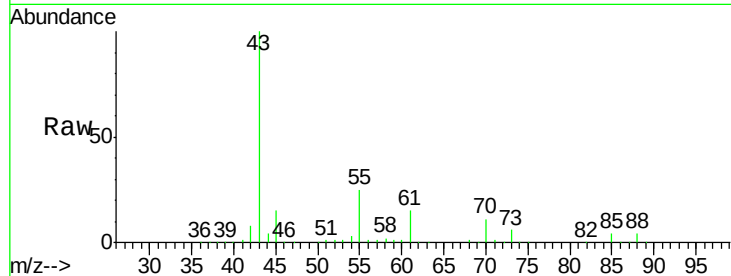
#37
Ethyl Acetate
Concen: 66.21 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	10.4	15.6
70	11.1	7.6	11.4

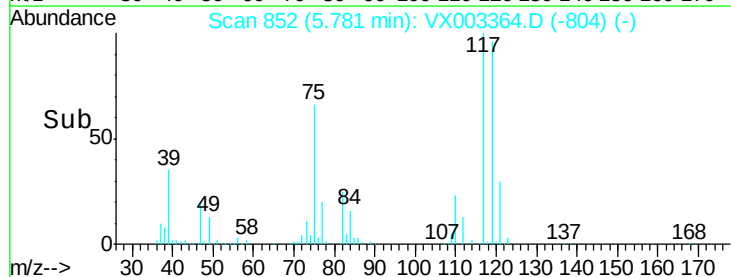
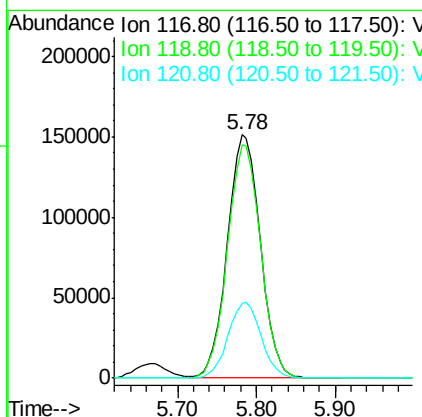
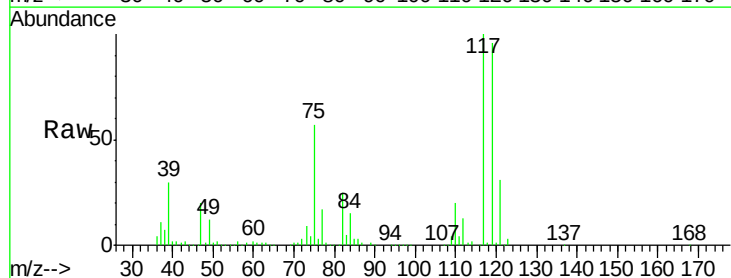
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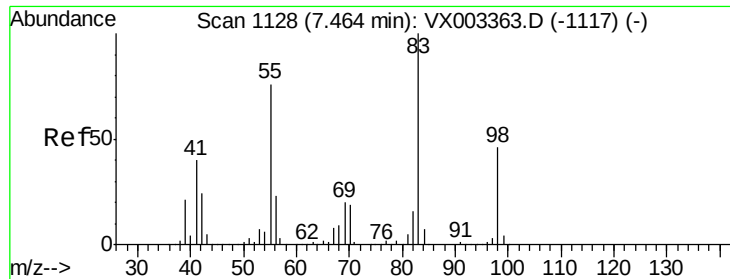
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#38
Carbon Tetrachloride
Concen: 65.63 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.4	116.0
121	30.6	24.4	36.6





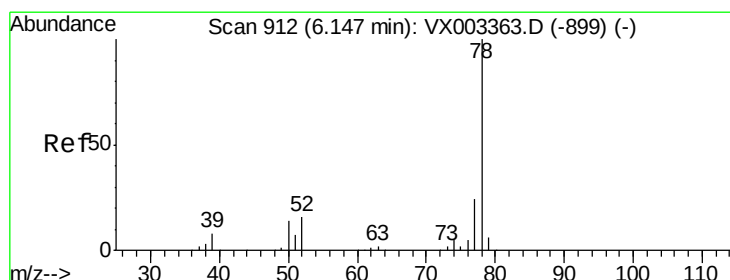
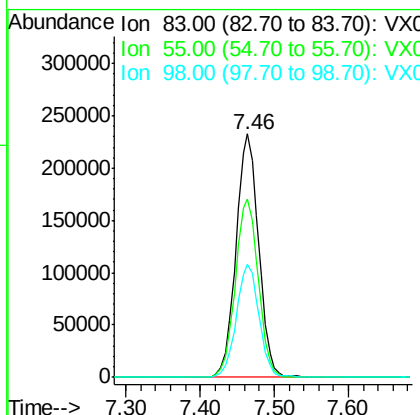
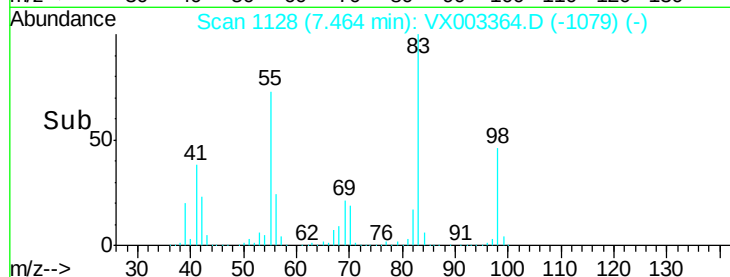
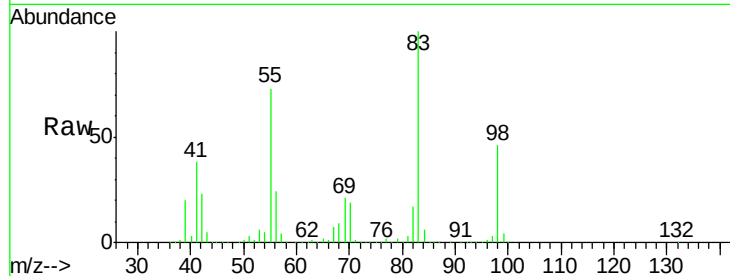
#39
Methylvlcyclohexane
Concen: 68.33 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	495593		
55	73.1		65.4	98.0
98	46.4		37.4	56.0

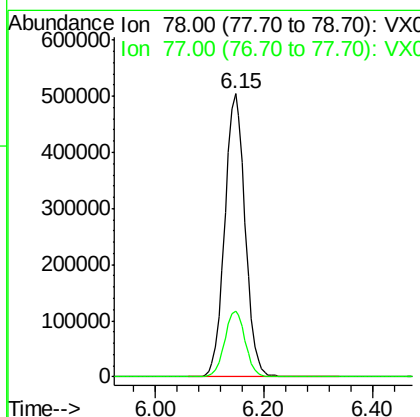
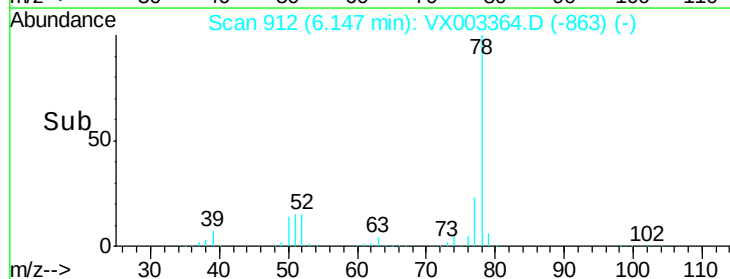
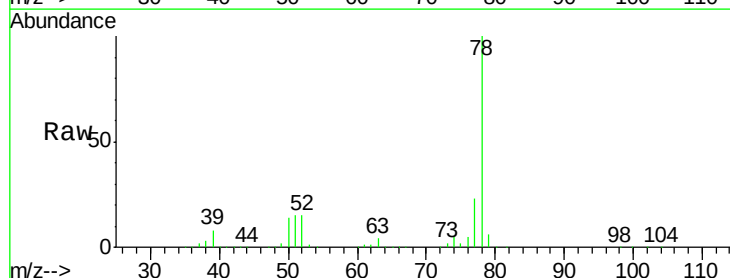
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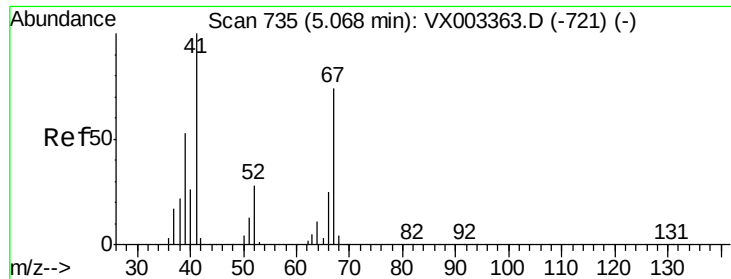
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#40
Benzene
Concen: 72.08 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1315078		
77	23.2		19.1	28.7





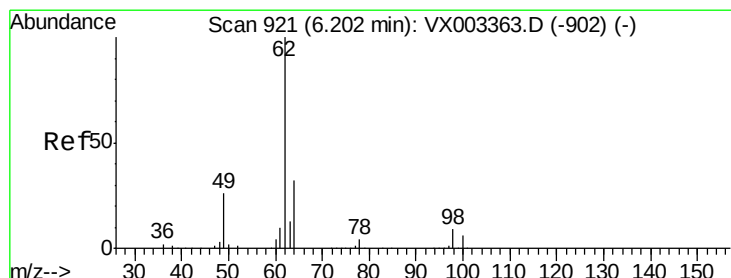
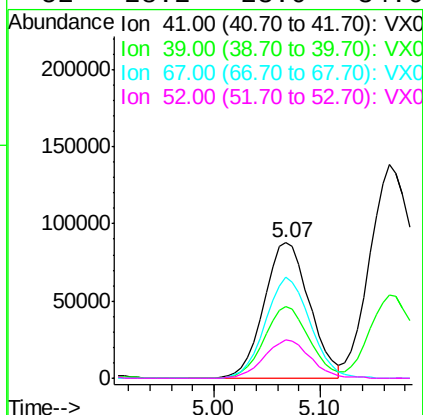
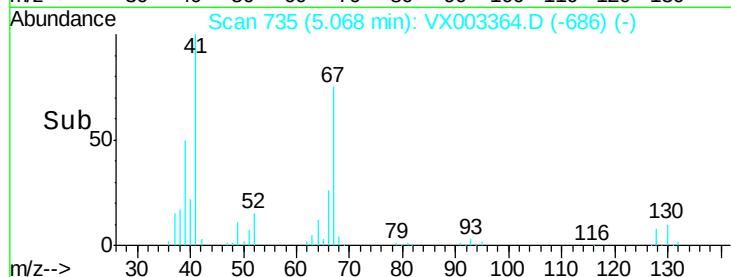
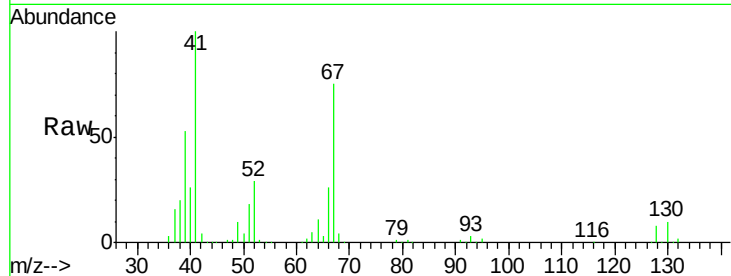
#41
Methacrylonitrile
Concen: 70.35 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		259966		
39	52.9	45.8	68.6		
67	74.0	51.3	76.9		
52	28.2	23.0	34.6		

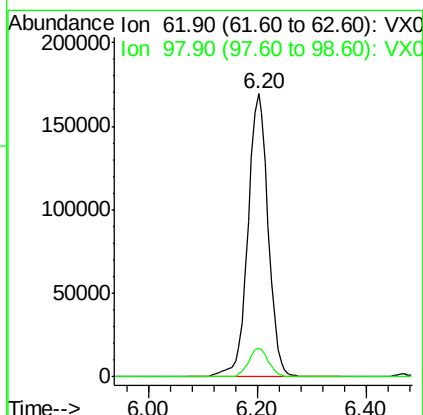
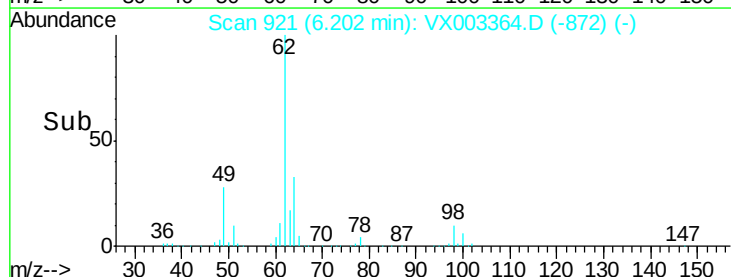
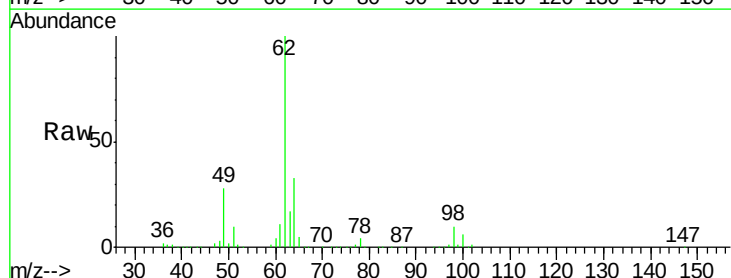
Manual Integrations
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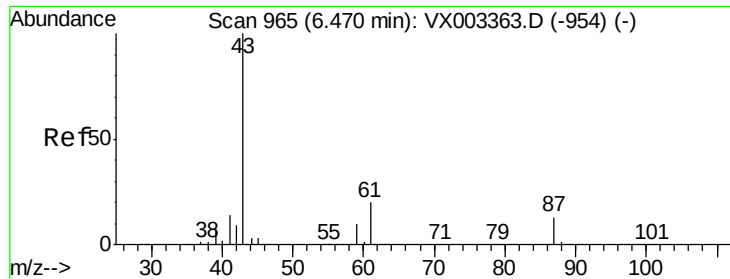
MMDadoda
7/16/2018 11:24:41 AM



#42
1,2-Dichloroethane
Concen: 63.81 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		435000		
98	10.0	0.0	16.6		





#43

Isopropyl Acetate

Concen: 69.32 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

Instrument :

MSVOA_X

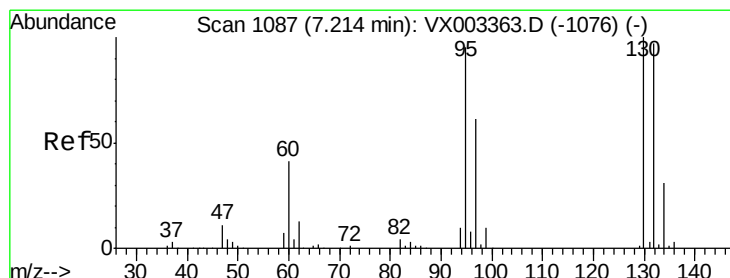
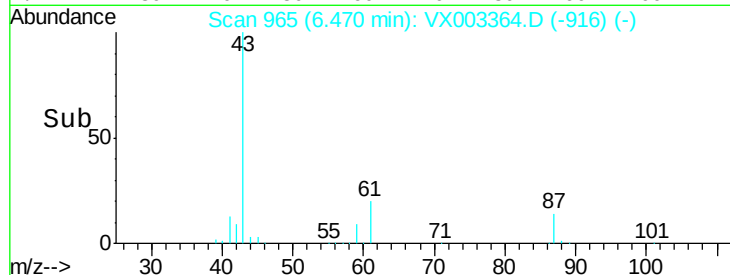
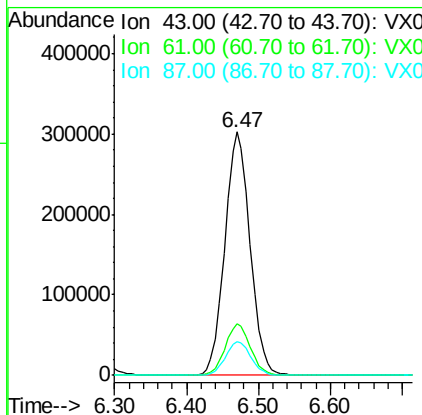
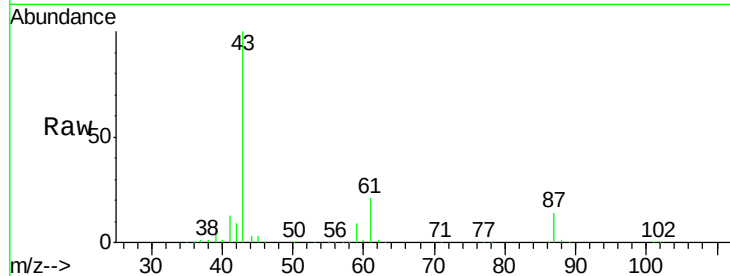
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	734734
Ion	Ratio	Lower	Upper
43	100		
61	21.2	14.4	21.6
87	14.2	9.5	14.3

Manual Integrations
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7/16/2018 11:24:41 AM



#44

Trichloroethene

Concen: 69.87 ug/l

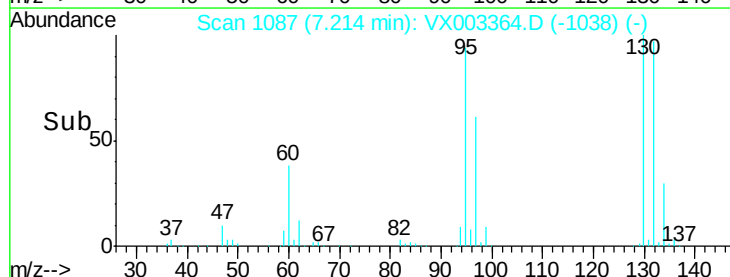
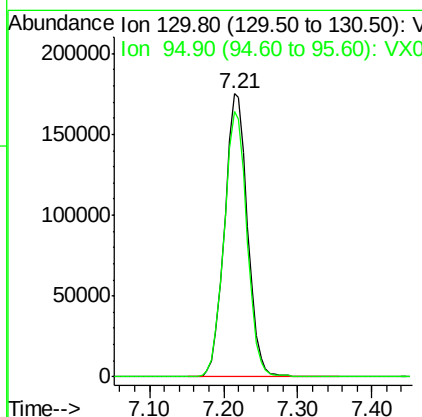
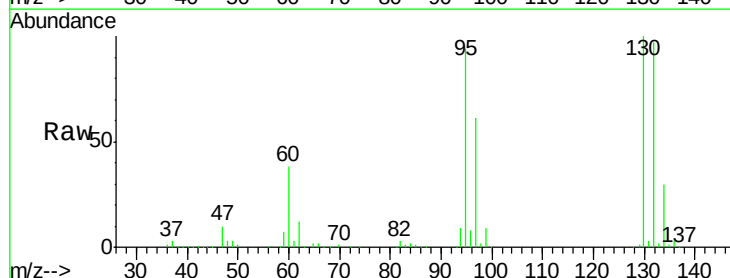
RT: 7.21 min Scan# 1087

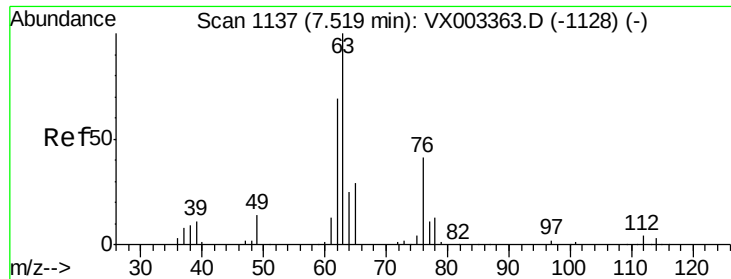
Delta R.T. 0.00 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

Tgt Ion:	130	Resp:	376988
Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	185.4





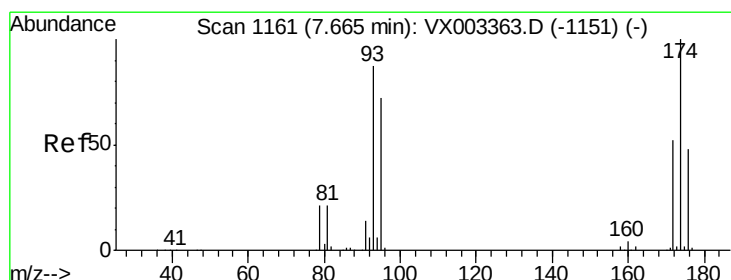
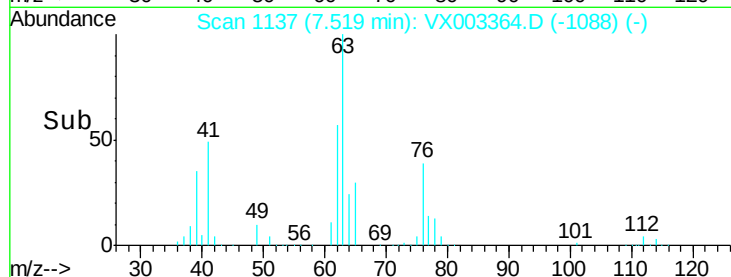
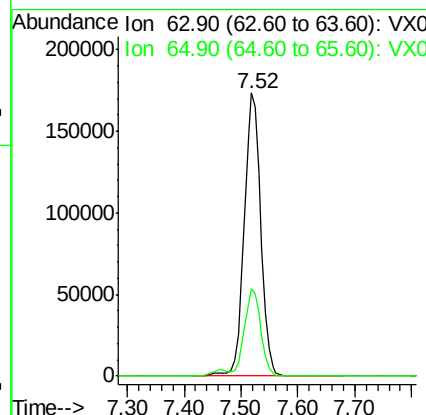
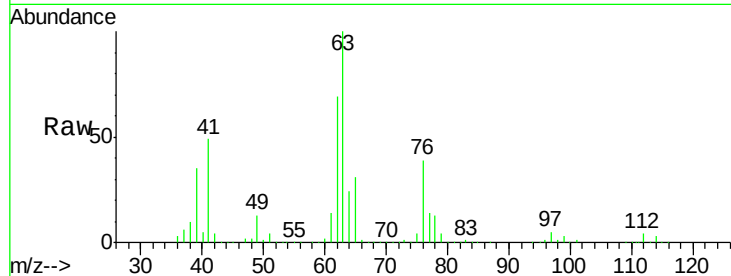
#45
 1,2-Dichloropropane
 Concen: 74.58 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003364.D
 Acq: 13 Jul 2018 13:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 353757
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.7 37.1

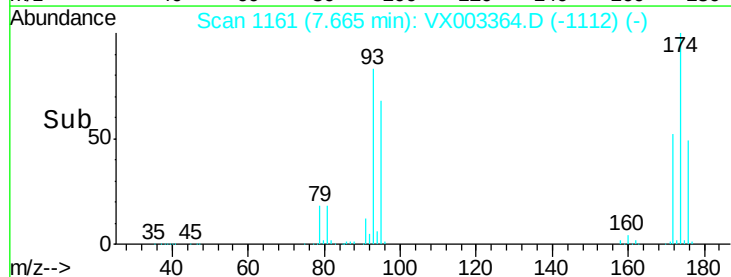
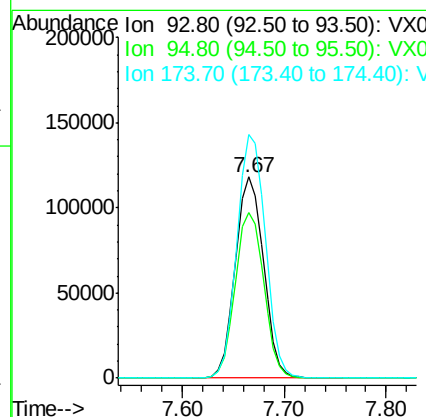
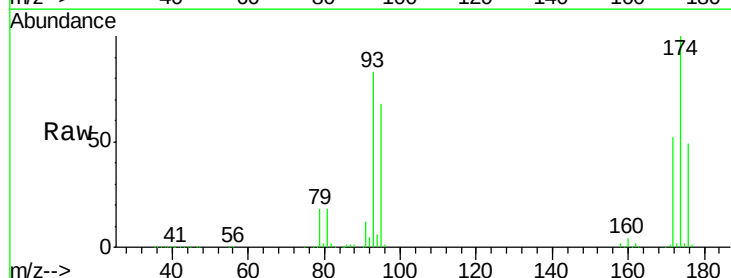
Manual Integrations
 APPROVED

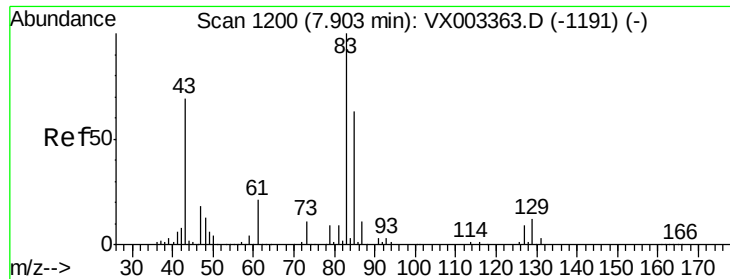
MMDadoda
 7/16/2018 11:24:41 AM



#46
 Dibromomethane
 Concen: 70.18 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003364.D
 Acq: 13 Jul 2018 13:18

Tgt Ion: 93 Resp: 226905
 Ion Ratio Lower Upper
 93 100
 95 83.7 65.9 98.9
 174 122.0 92.4 138.6





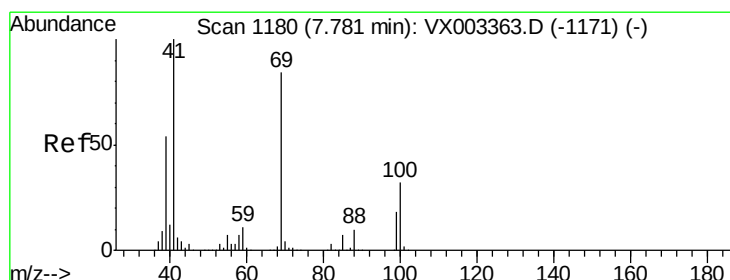
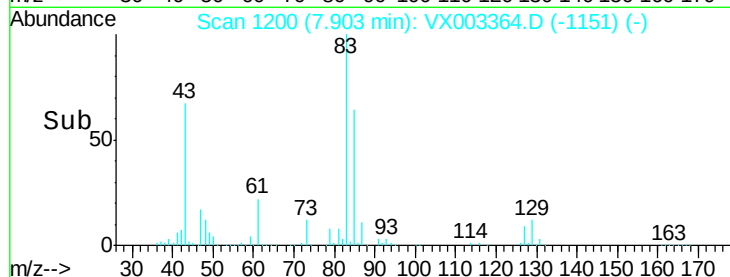
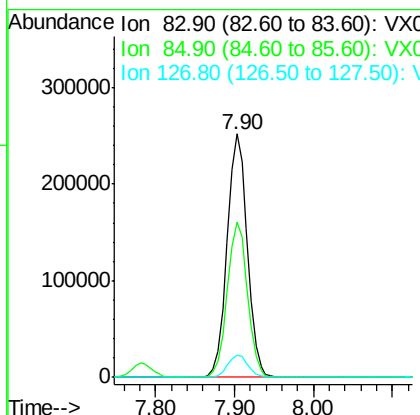
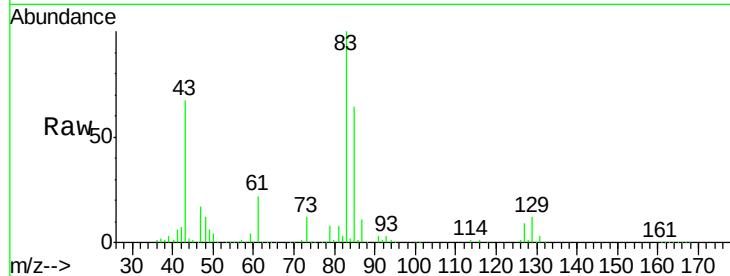
#47
Bromodichloromethane
Concen: 74.75 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.3	75.5
127	9.3	7.0	10.4

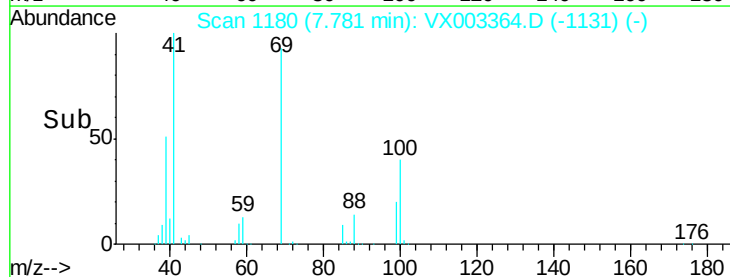
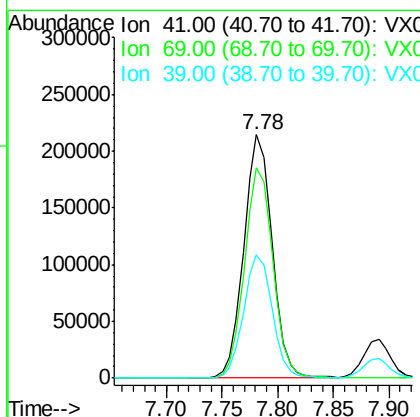
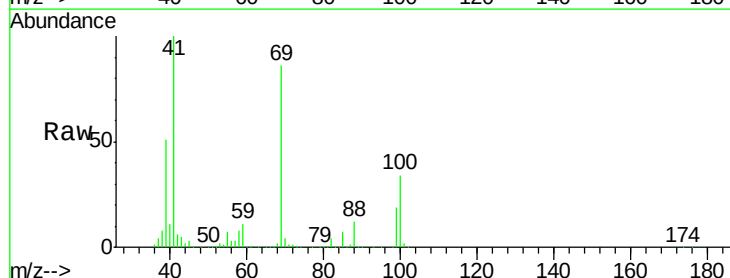
Manual Integrations
APPROVED

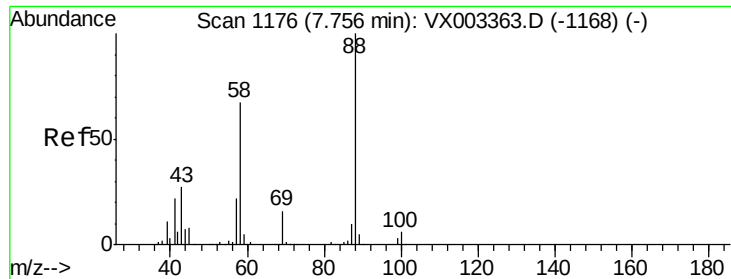
MMDadoda
7/16/2018 11:24:41 AM



#48
Methyl methacrylate
Concen: 69.82 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.4	59.1	88.7
39	51.3	48.9	73.3





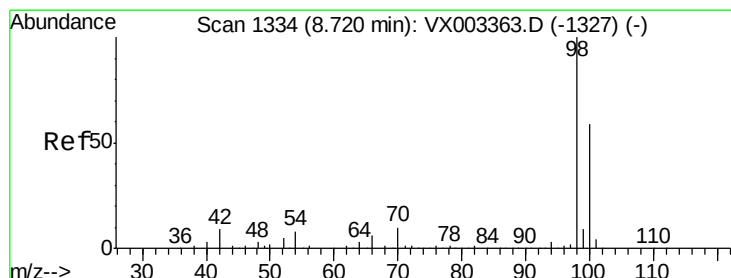
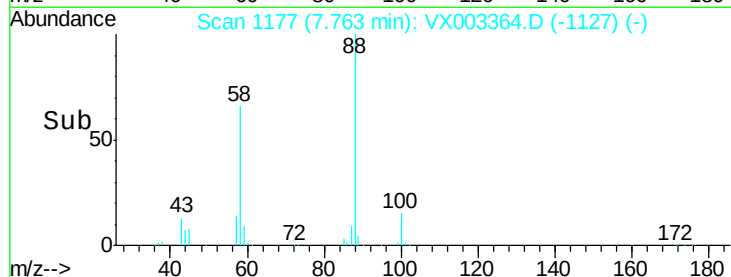
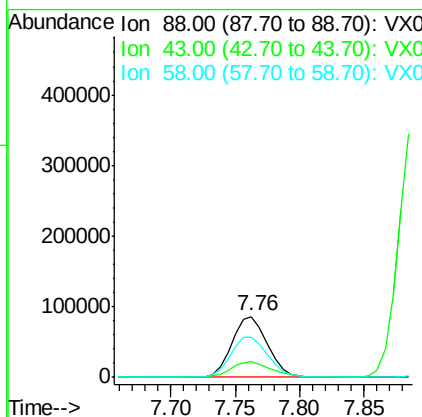
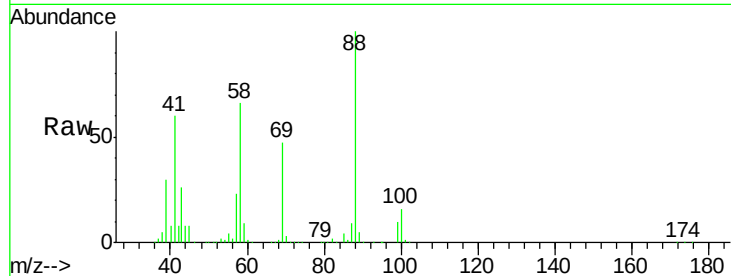
#49
1,4-Dioxane
Concen: 1451.19 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.2	29.8	44.6#
58	69.5	57.1	85.7

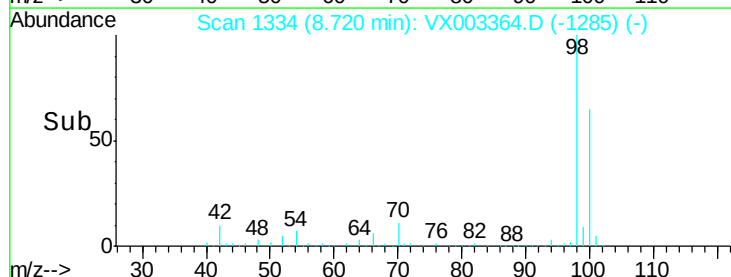
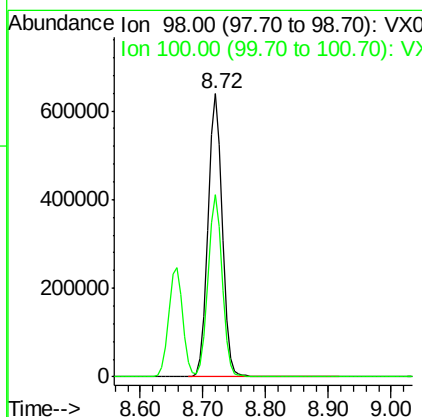
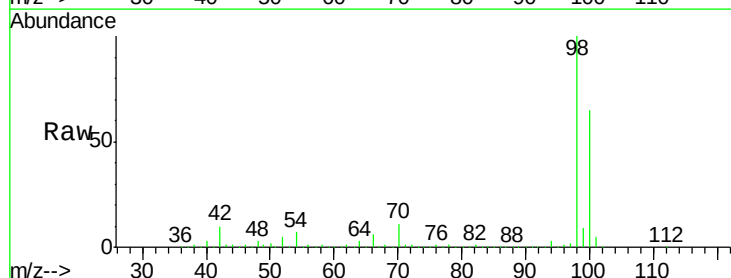
Manual Integrations
APPROVED

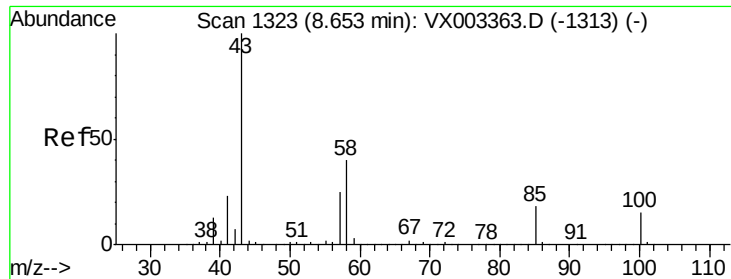
MMDadoda
7/16/2018 11:24:41 AM



#50
Toluene-d8
Concen: 60.38 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 363.87 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2400968

Ion Ratio Lower Upper

43 100

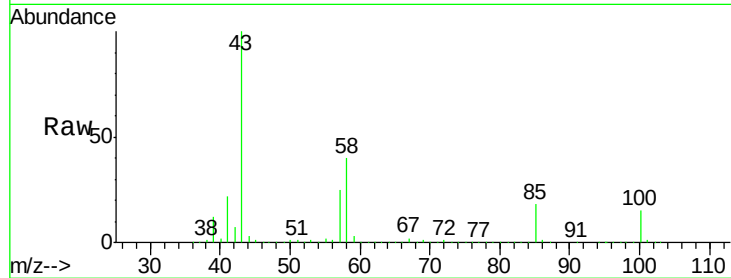
58 40.5 28.6 42.8

Manual Integrations

APPROVED

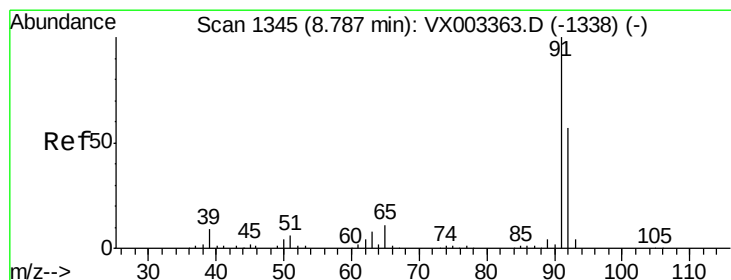
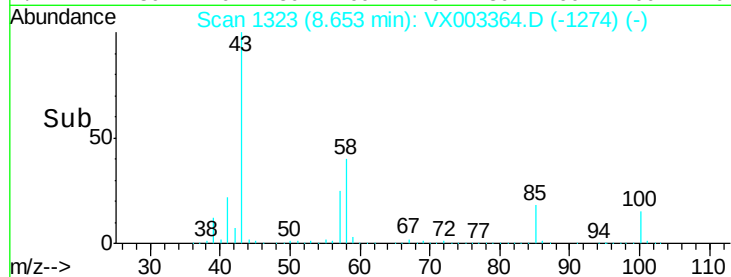
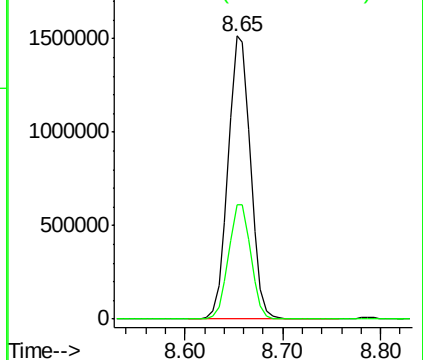
MMDadoda

7/16/2018 11:24:41 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 72.19 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003364.D

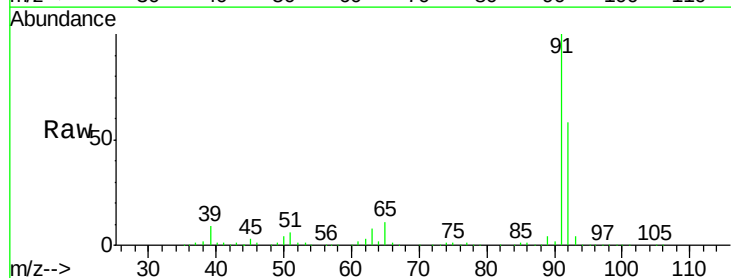
Acq: 13 Jul 2018 13:18

Tgt Ion: 92 Resp: 832633

Ion Ratio Lower Upper

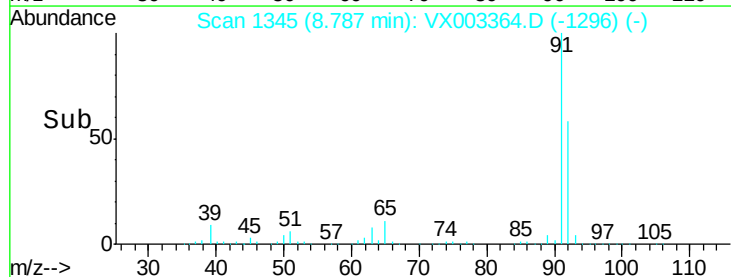
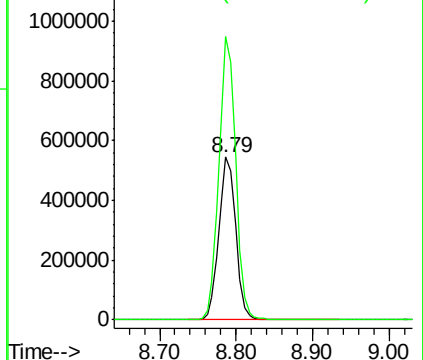
92 100

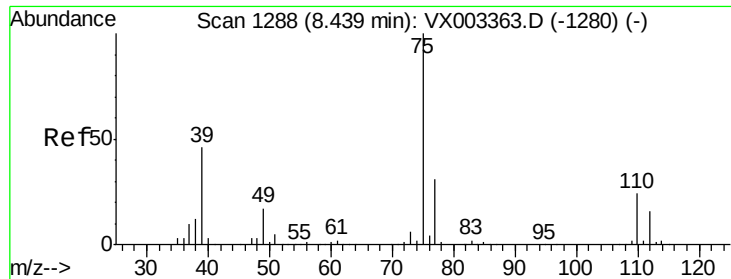
91 173.4 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





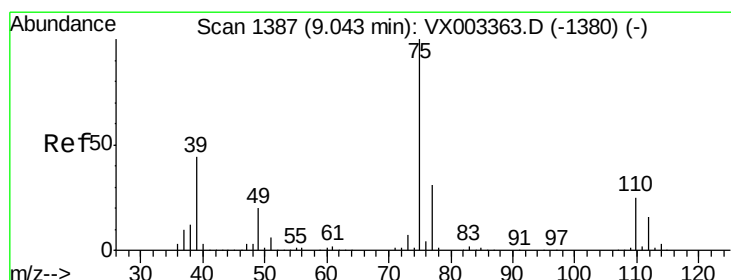
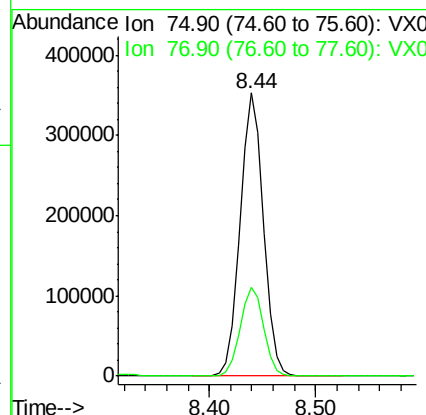
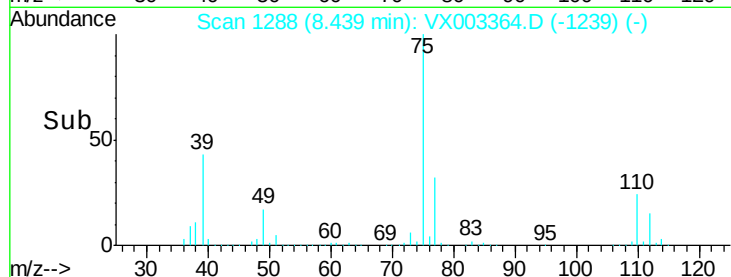
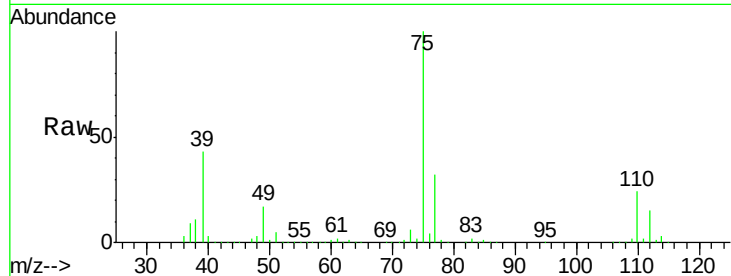
#53
t-1,3-Dichloropropene
Concen: 77.12 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.2

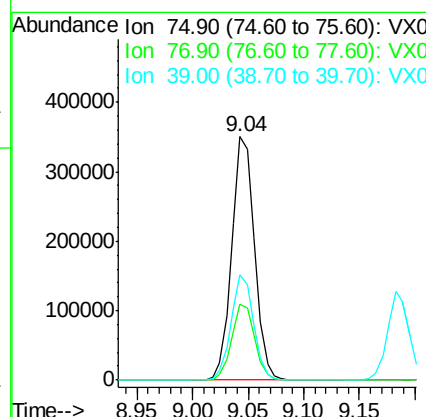
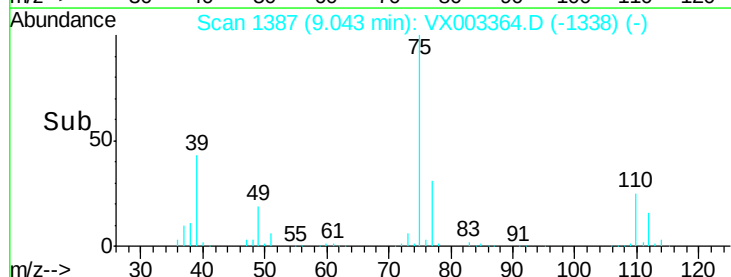
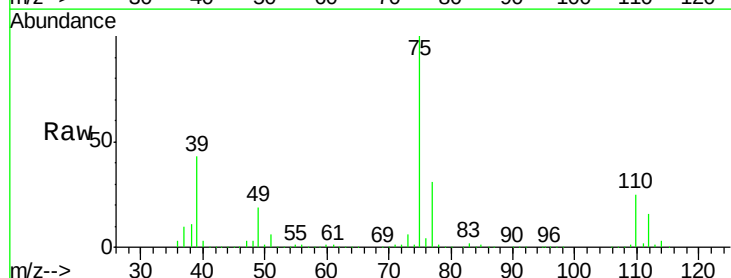
Manual Integrations
APPROVED

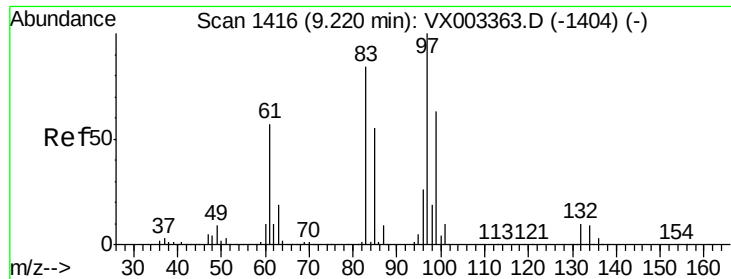
MMDadoda
7/16/2018 11:24:41 AM



#54
cis-1,3-Dichloropropene
Concen: 77.55 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.8	37.2
39	43.3	42.4	63.6





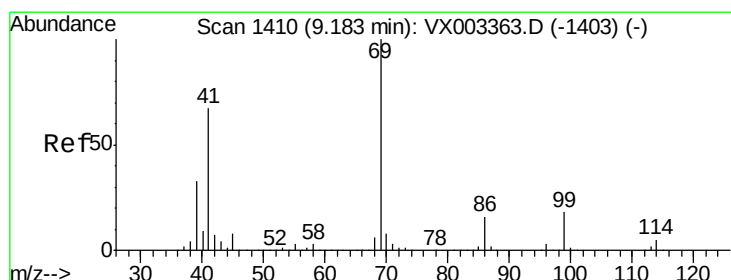
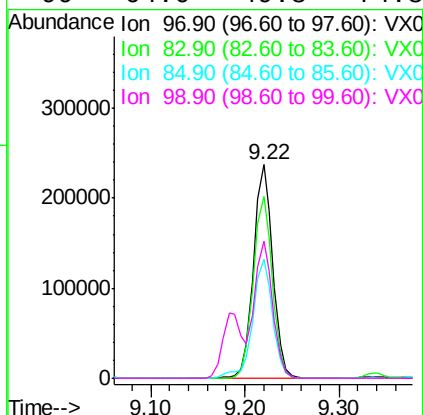
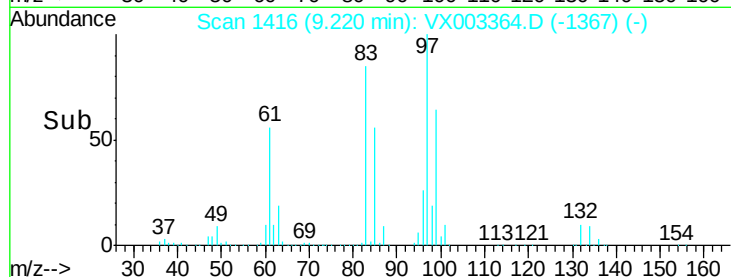
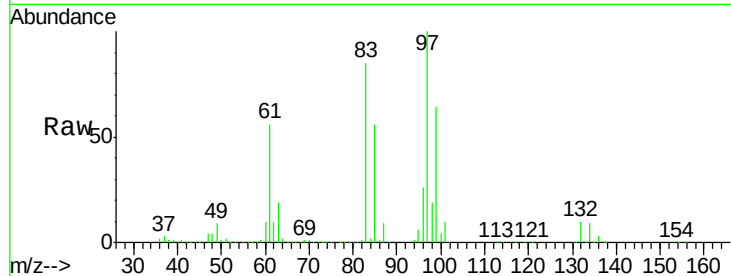
#55
1,1,2-Trichloroethane
Concen: 71.57 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		342447		
83	85.1	70.2	105.2		
85	55.6	44.9	67.3		
99	64.0	49.8	74.8		

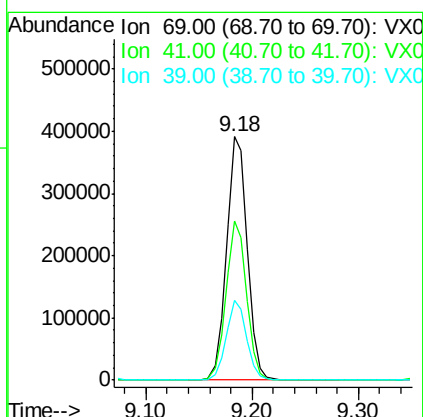
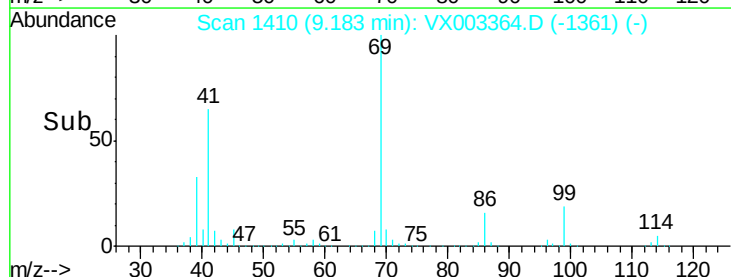
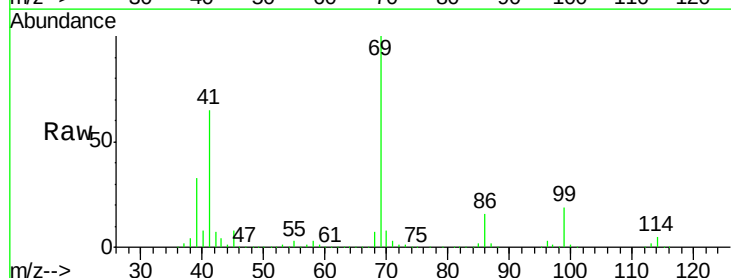
Manual Integrations
APPROVED

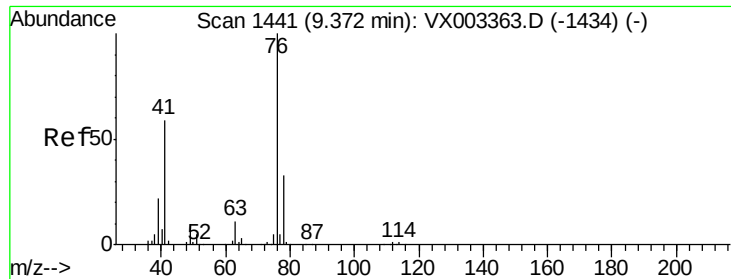
MMDadoda
7/16/2018 11:24:41 AM



#56
Ethyl methacrylate
Concen: 81.58 ug/l
RT: 9.18 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		534610		
41	64.5	60.3	90.5		
39	32.3	35.8	53.8#		





#57

1,3-Dichloropropane

Concen: 72.06 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.01 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 76 Resp: 555341

Ion Ratio Lower Upper

76 100

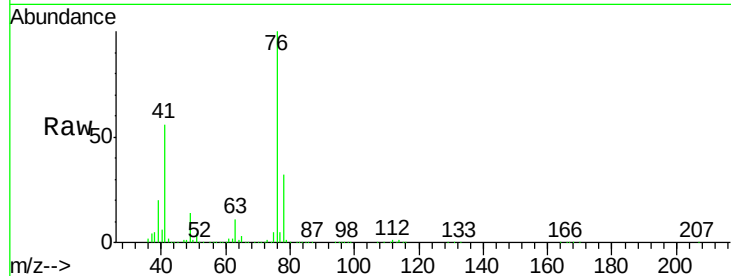
78 32.0 25.8 38.6

Manual Integrations

APPROVED

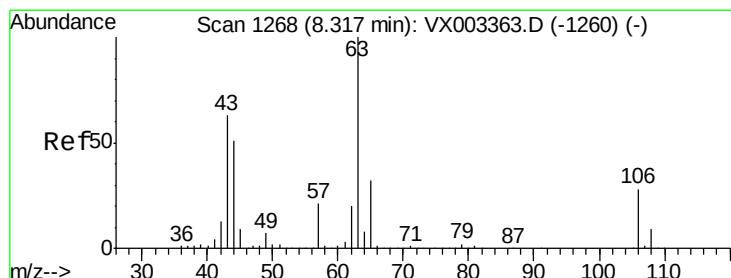
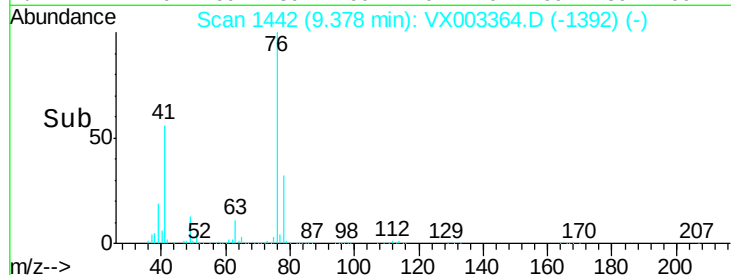
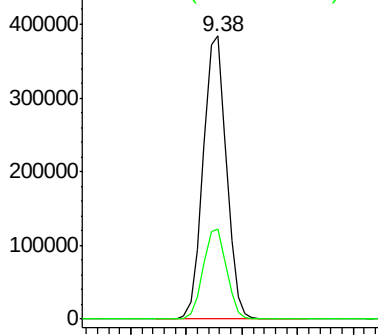
MMDadoda

7/16/2018 11:24:41 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 411.23 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003364.D

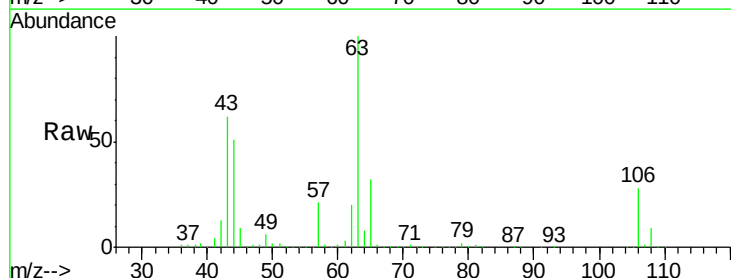
Acq: 13 Jul 2018 13:18

Tgt Ion: 63 Resp: 1299999

Ion Ratio Lower Upper

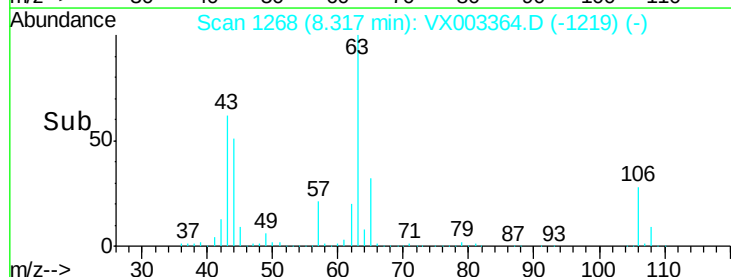
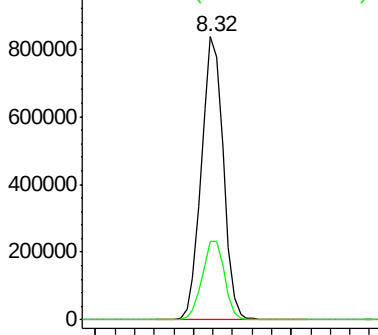
63 100

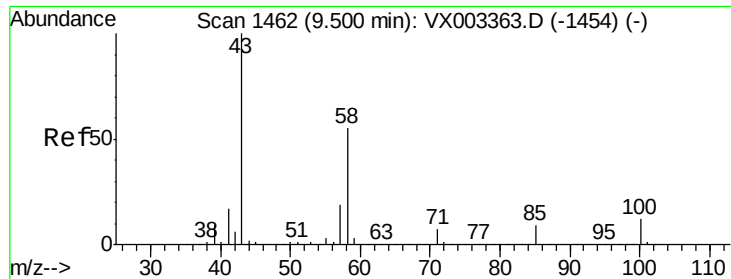
106 28.6 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





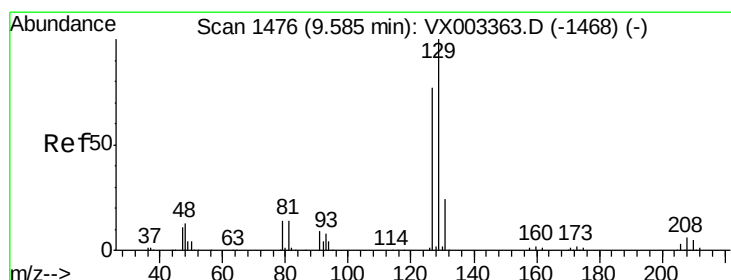
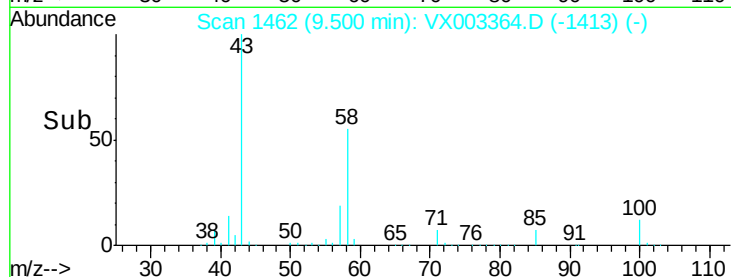
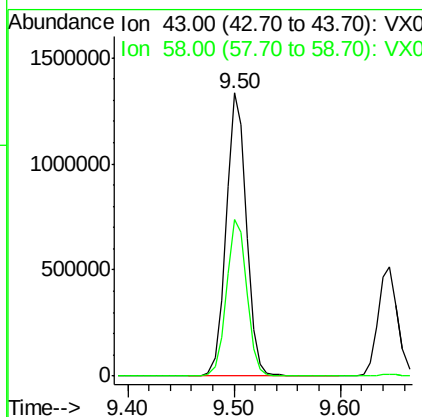
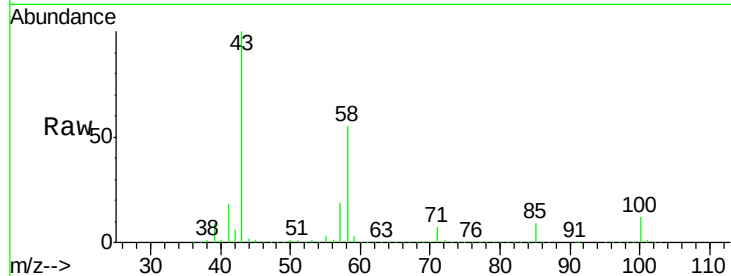
#59
2-Hexanone
Concen: 353.56 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1771979
Ion Ratio Lower Upper
43 100
58 55.9 24.6 73.6

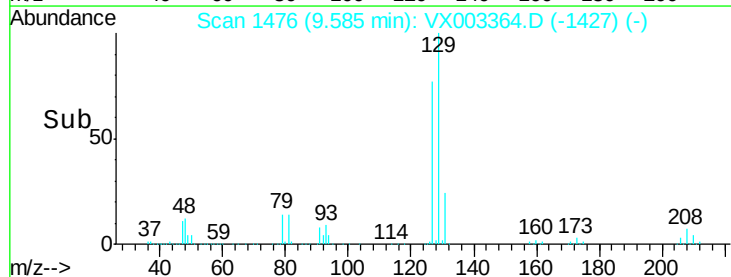
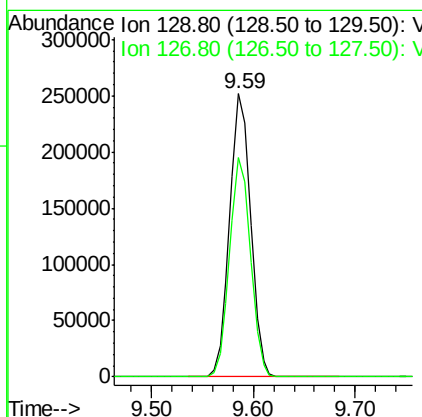
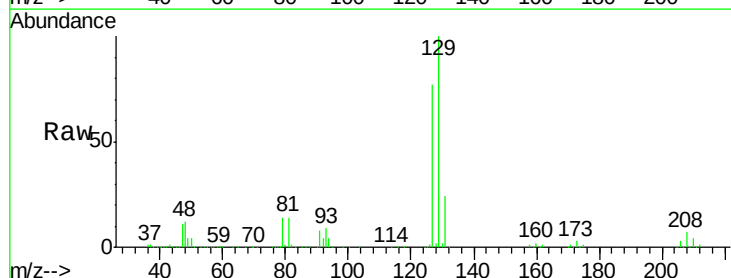
Manual Integrations
APPROVED

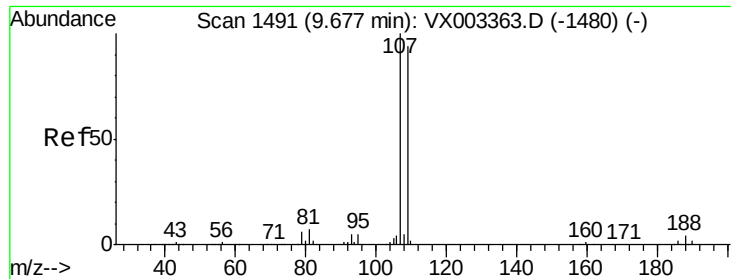
MMDadoda
7/16/2018 11:24:41 AM



#60
Dibromochloromethane
Concen: 71.64 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Tgt Ion: 129 Resp: 357924
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.3





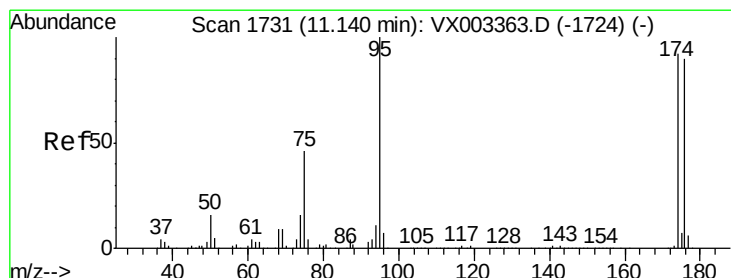
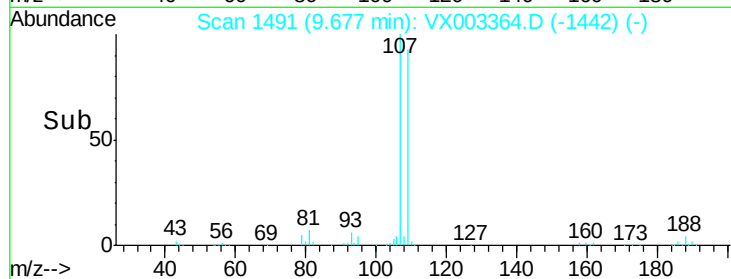
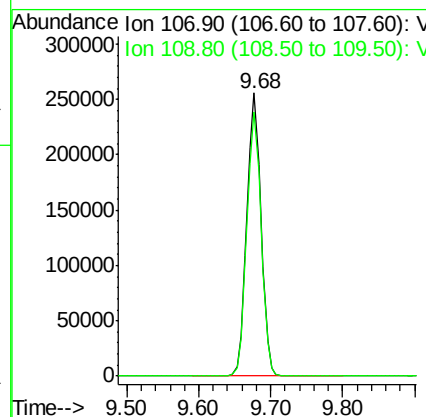
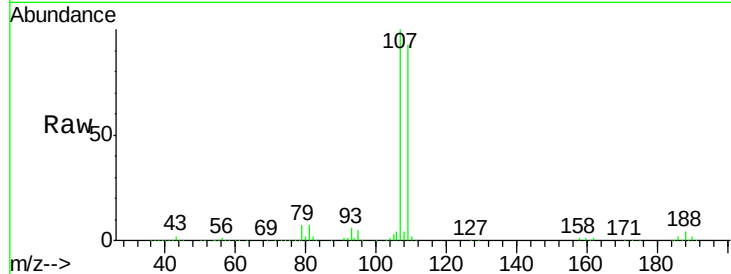
#61
 1,2-Dibromoethane
 Concen: 69.52 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX003364.D
 Acq: 13 Jul 2018 13:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	348616		
109	94.2	75.3	112.9	

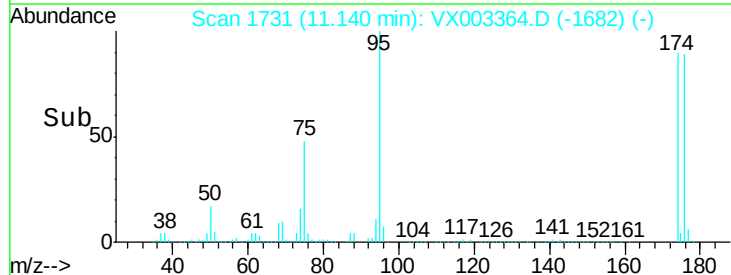
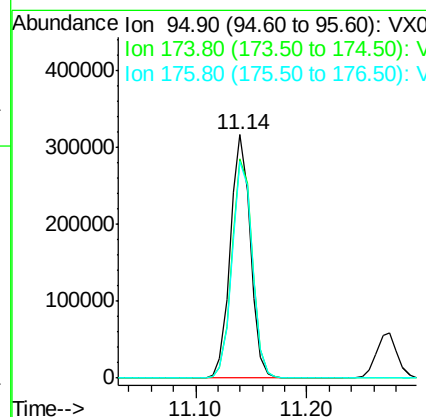
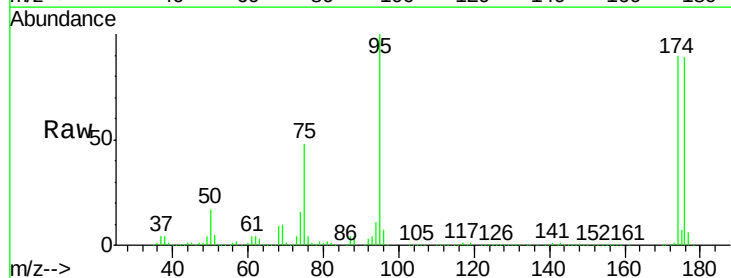
Manual Integrations
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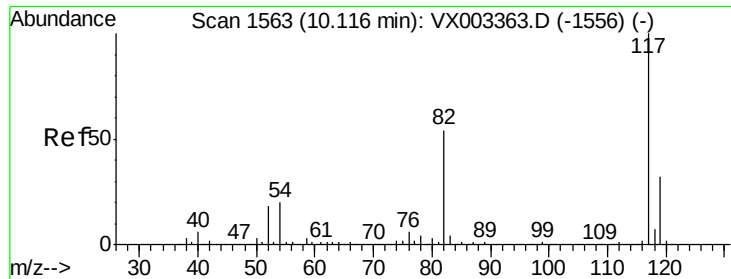
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 64.12 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX003364.D
 Acq: 13 Jul 2018 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	393204		
174	92.0	0.0	187.4	
176	90.3	0.0	181.0	





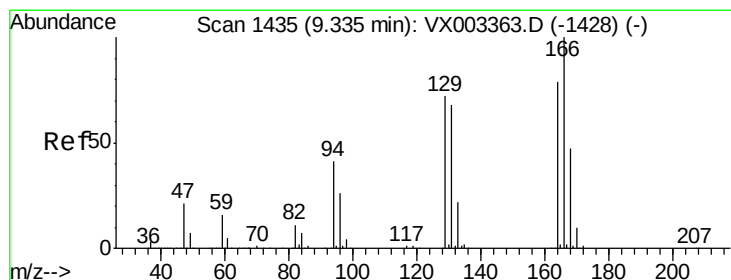
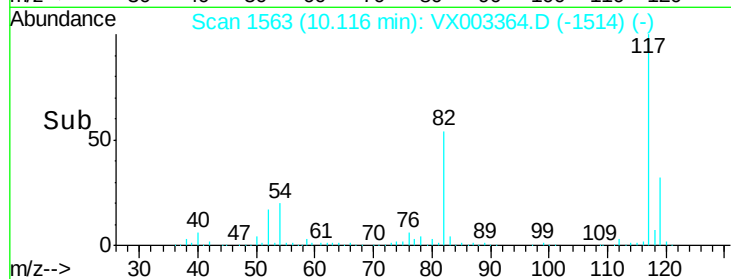
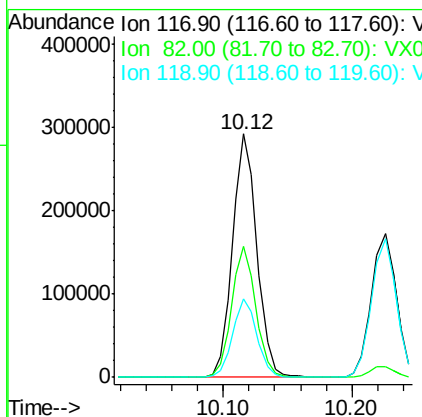
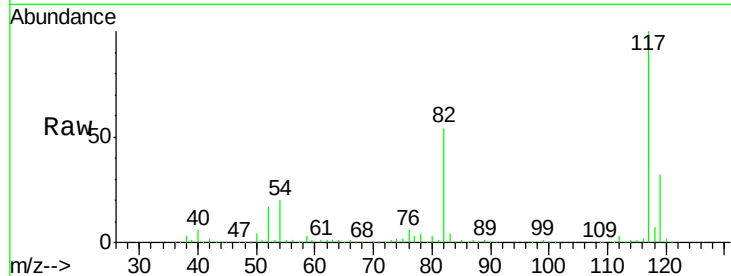
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	45.0	67.4
119	32.2	25.8	38.6

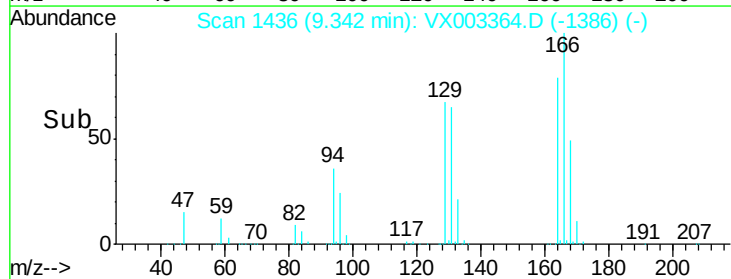
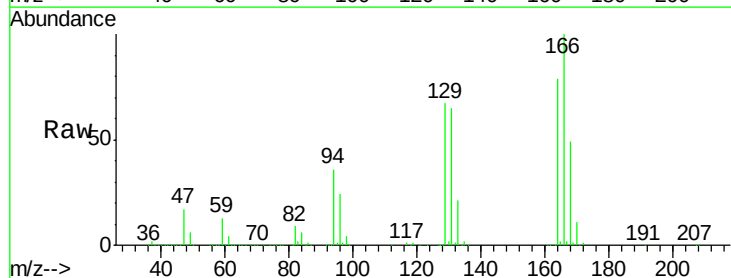
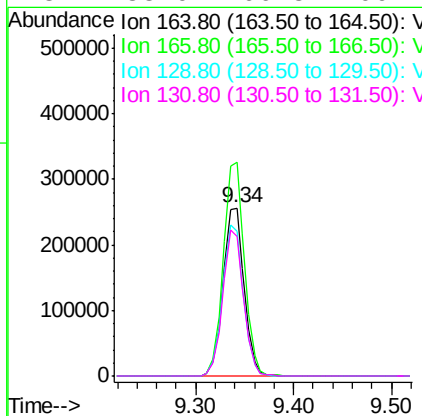
Manual Integrations
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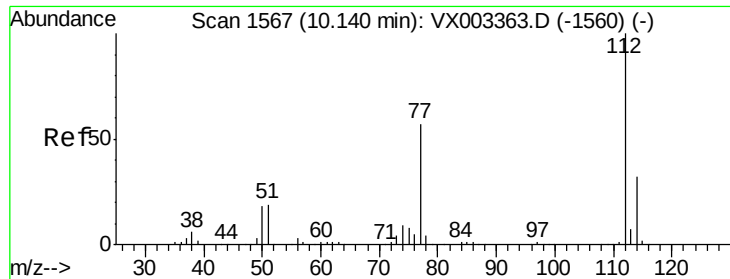
MMDadoda
7/16/2018 11:24:41 AM



#64
Tetrachloroethene
Concen: 65.56 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	102.9	154.3
129	85.9	68.6	102.8
131	83.0	66.8	100.2





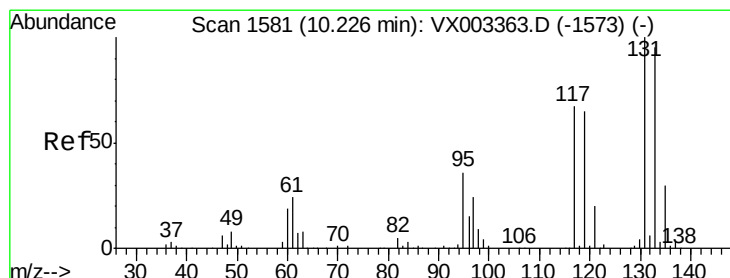
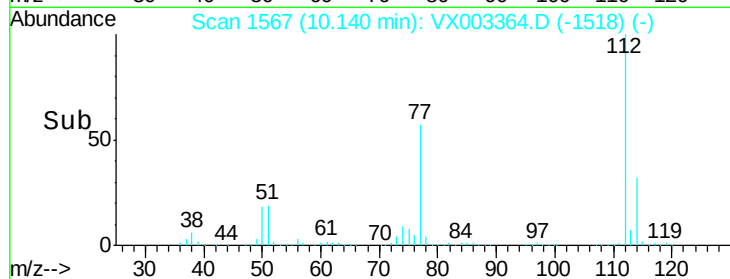
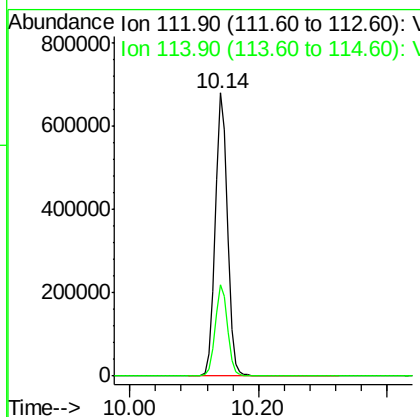
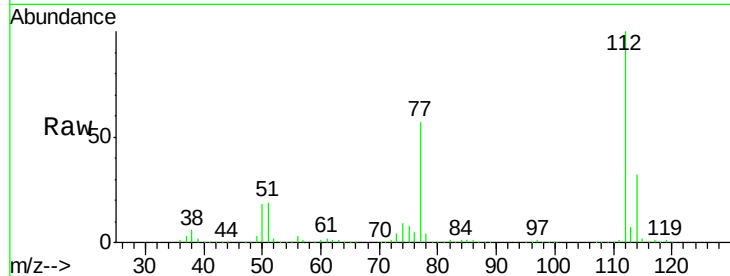
#65
Chlorobenzene
Concen: 69.98 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 916299
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9

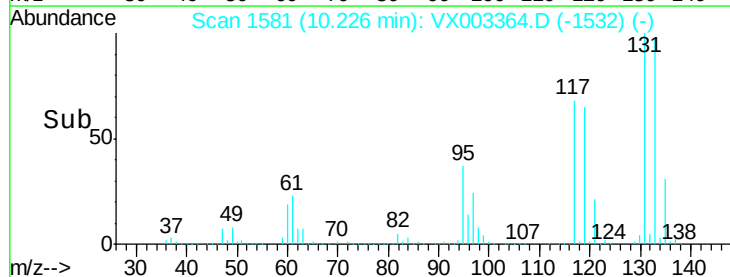
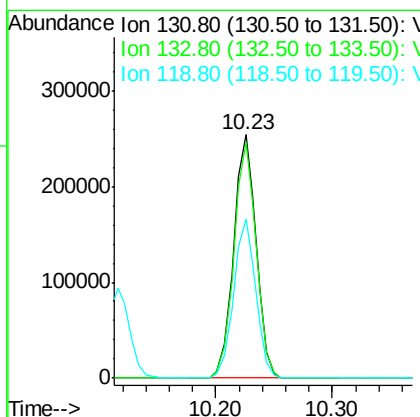
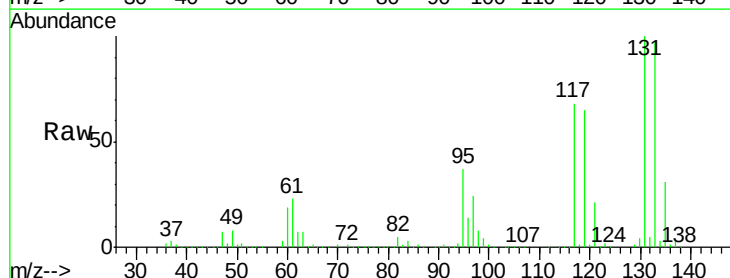
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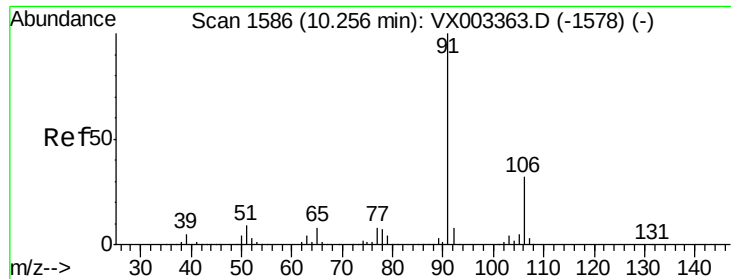
MMDadoda
7/16/2018 11:24:41 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 72.03 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Tgt Ion:131 Resp: 340302
Ion Ratio Lower Upper
131 100
133 96.0 47.9 143.6
119 64.6 31.8 95.3





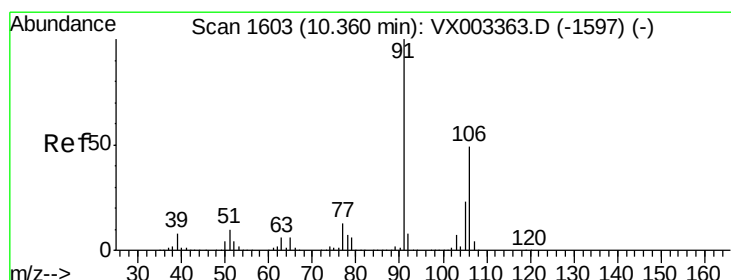
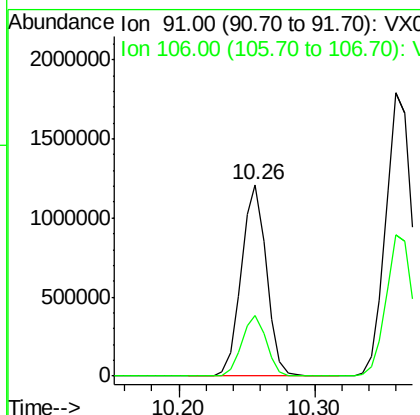
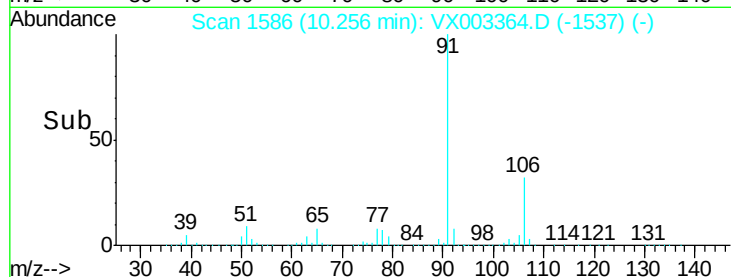
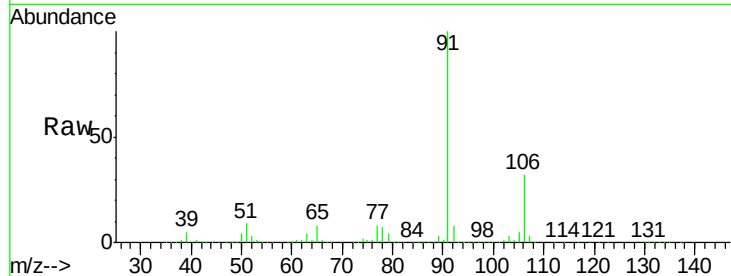
#67
Ethyl Benzene
Concen: 73.45 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1555366
Ion Ratio Lower Upper
91 100
106 32.0 25.5 38.3

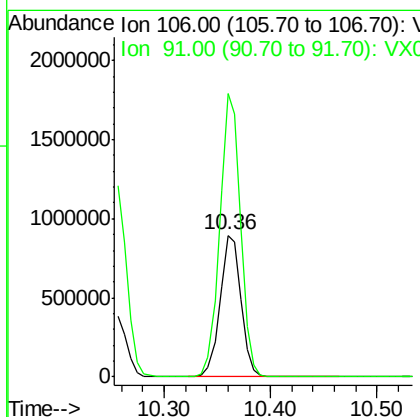
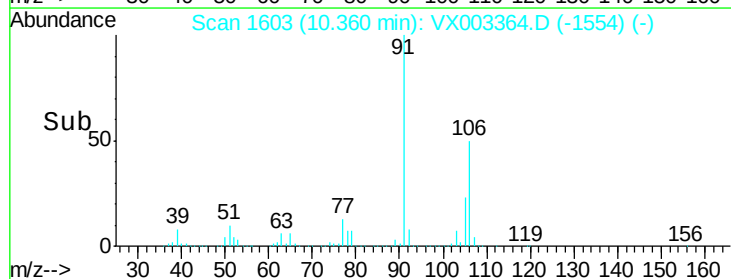
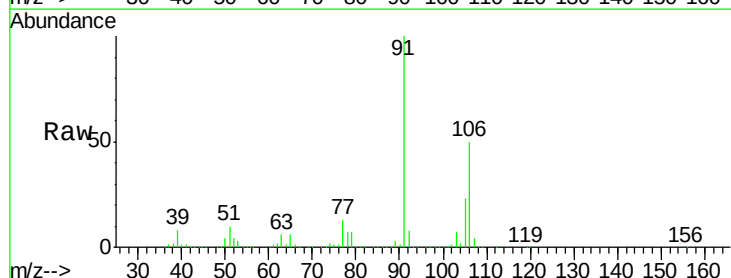
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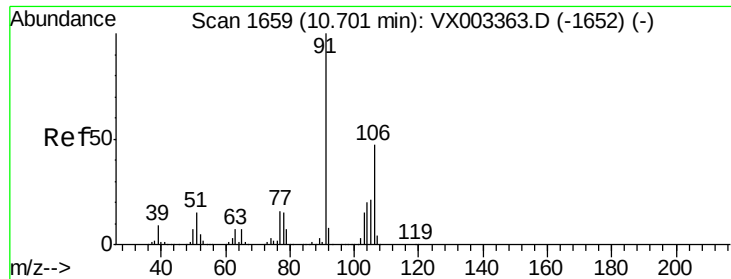
MMDadoda
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#68
m/p-Xylenes
Concen: 147.09 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Tgt Ion: 106 Resp: 1211679
Ion Ratio Lower Upper
106 100
91 199.9 163.4 245.2





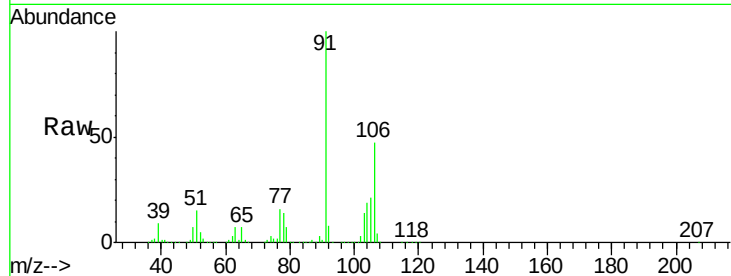
#69
o-Xylene
Concen: 74.65 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

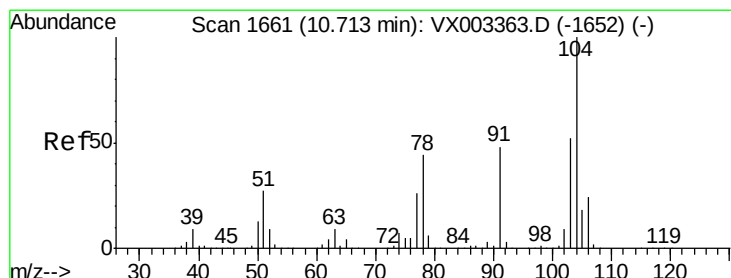
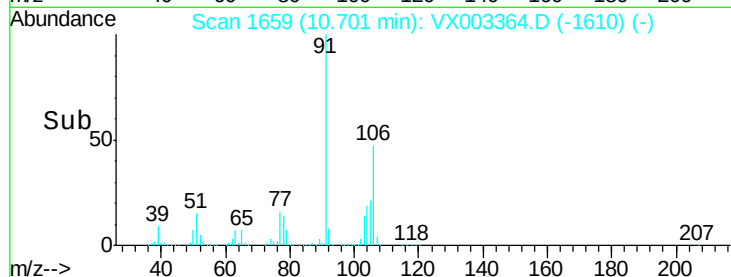
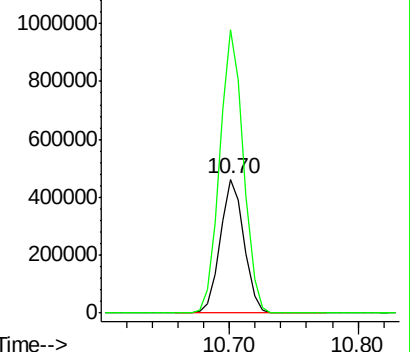
Tot Ion:106 Resp: 595741
Ion Ratio Lower Upper
106 100
91 211.4 108.2 324.6

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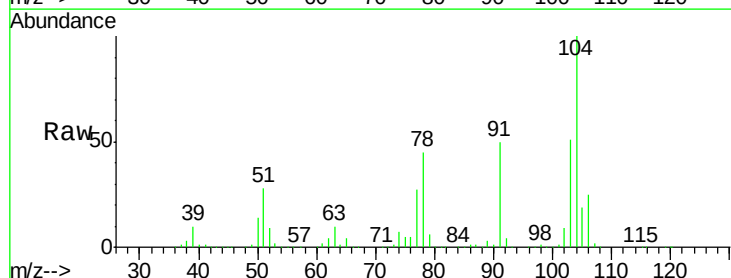


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

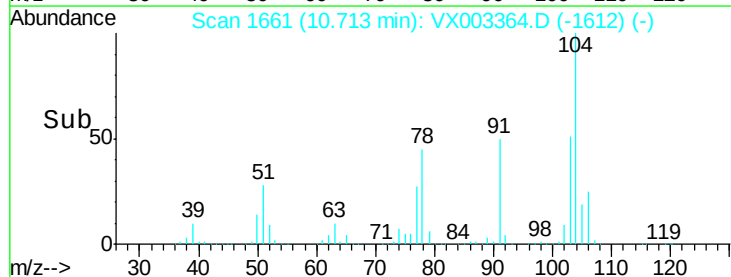
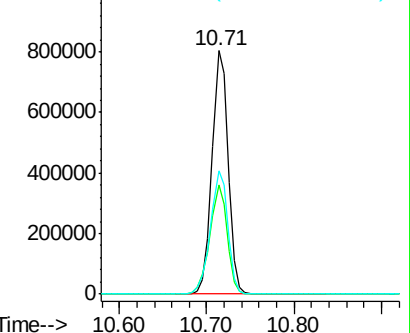


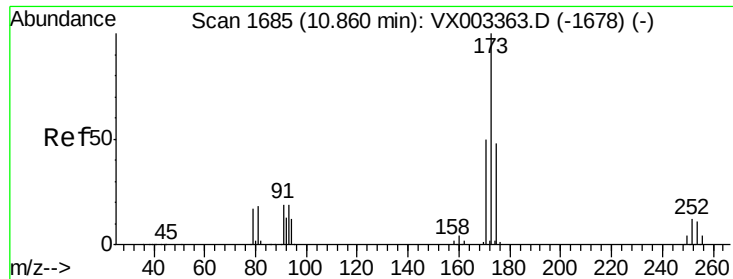
#70
Styrene
Concen: 78.67 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Tgt Ion:104 Resp: 1018112
Ion Ratio Lower Upper
104 100
78 48.4 41.0 61.6
103 55.2 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 73.01 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion:173 Resp: 283805

Ion Ratio Lower Upper

173 100

175 49.0 24.7 74.1

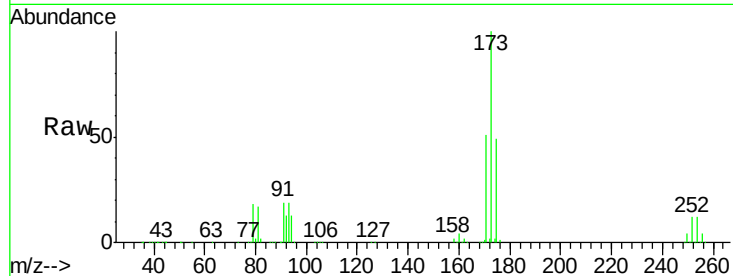
254 0.2 0.2 0.2

Manual Integrations

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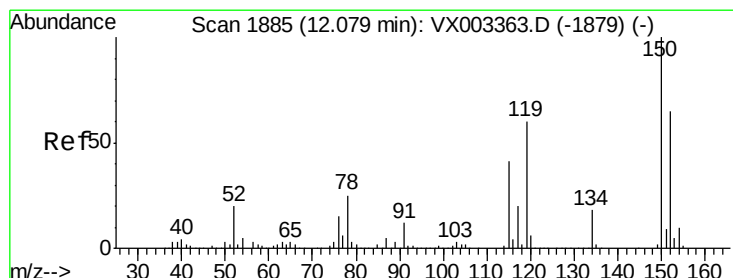
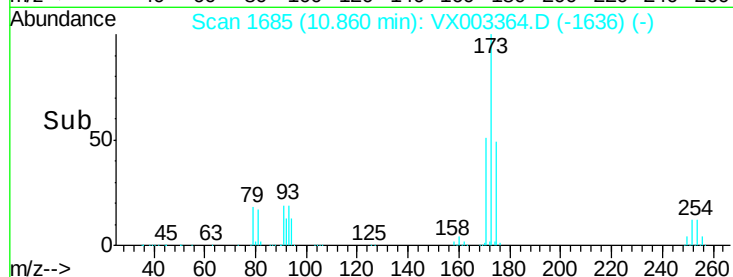
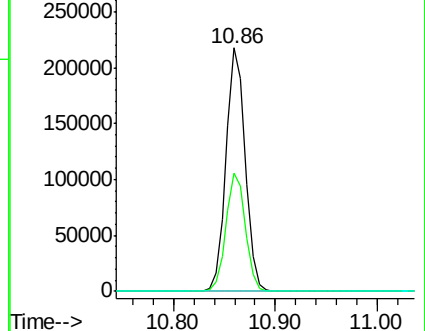
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

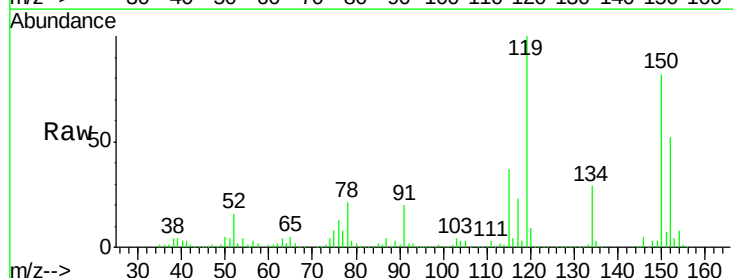
Tgt Ion:152 Resp: 243331

Ion Ratio Lower Upper

152 100

115 98.6 40.1 120.2

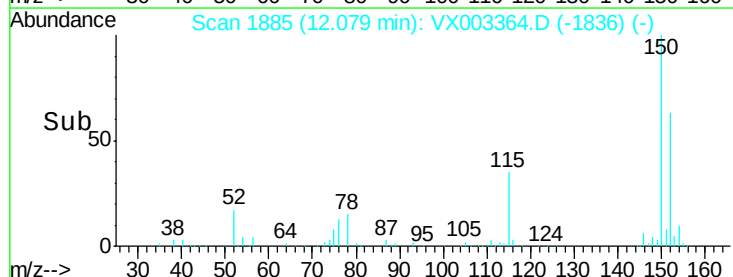
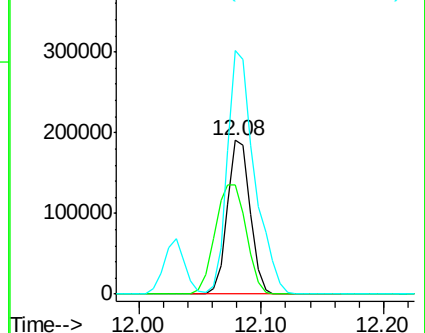
150 190.5 0.0 347.2

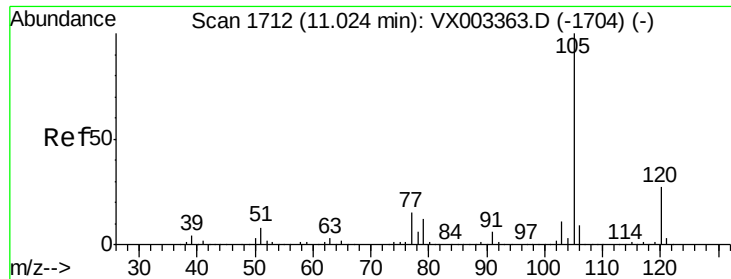


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 82.54 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1585671

Ion Ratio Lower Upper

105 100

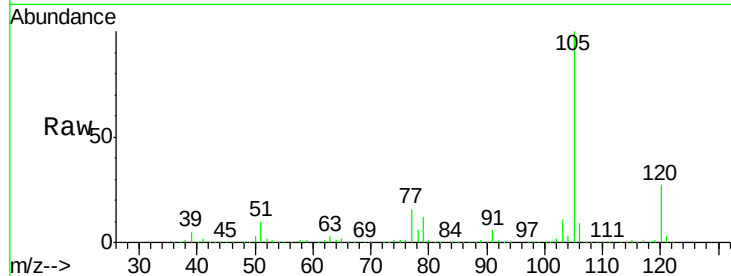
120 27.1 13.5 40.4

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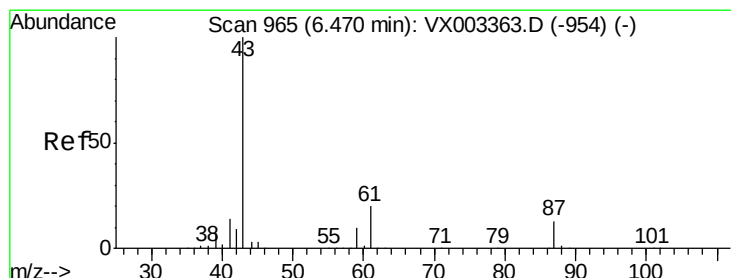
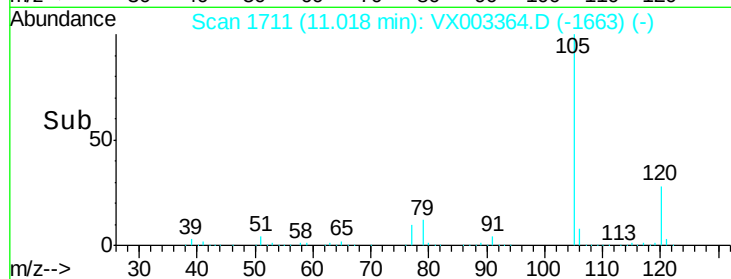
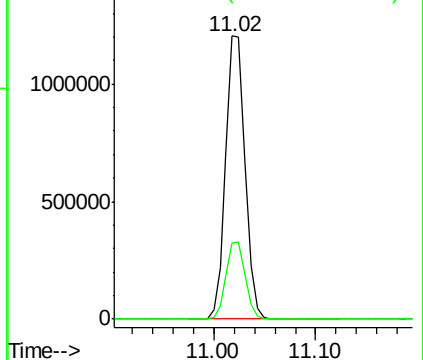
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 80.17 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

Tgt Ion: 43 Resp: 734734

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

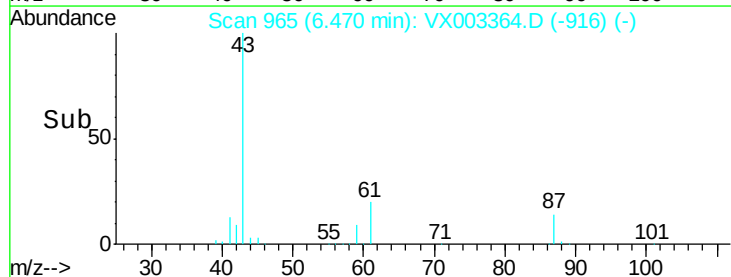
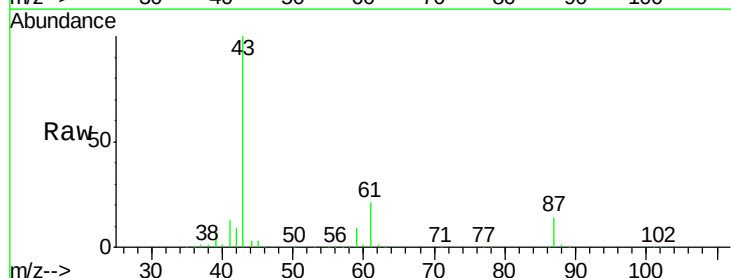
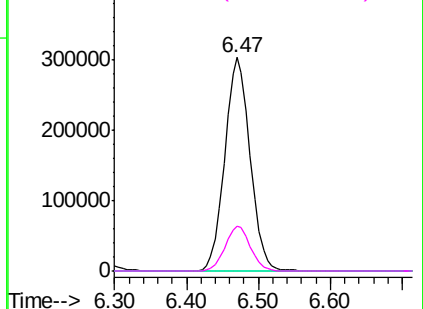
61 21.2 14.4 21.6

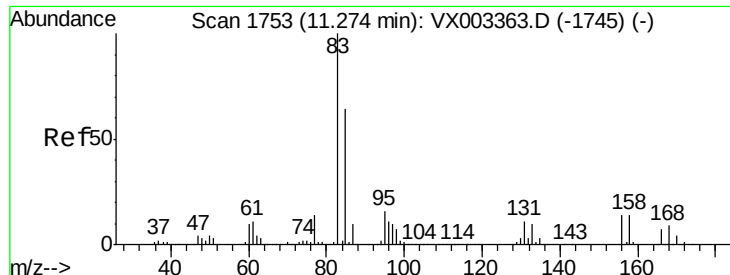
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 84.31 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 502402

Ion Ratio Lower Upper

83 100

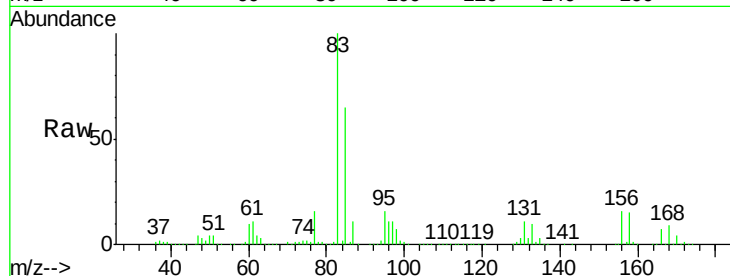
131 10.7 5.6 16.8

85 64.5 32.4 97.2

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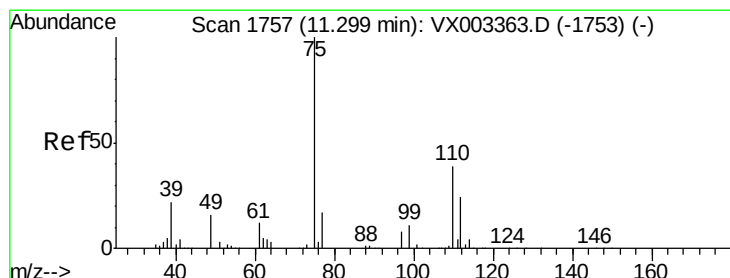
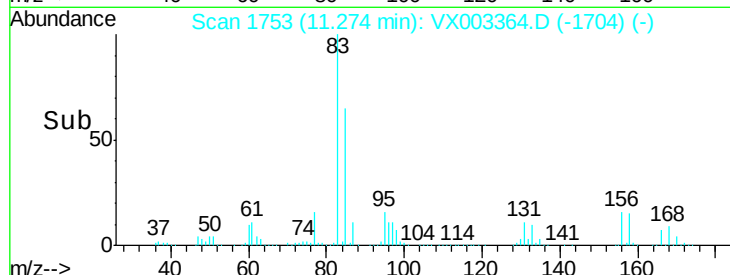
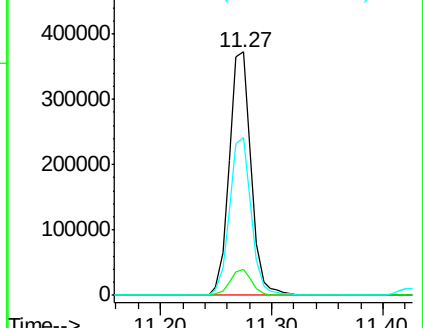
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 83.72 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003364.D

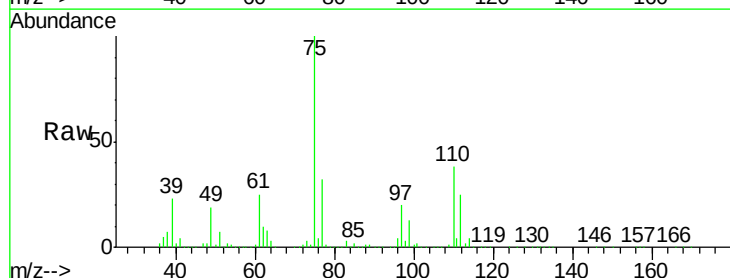
Acq: 13 Jul 2018 13:18

Tgt Ion: 75 Resp: 440280

Ion Ratio Lower Upper

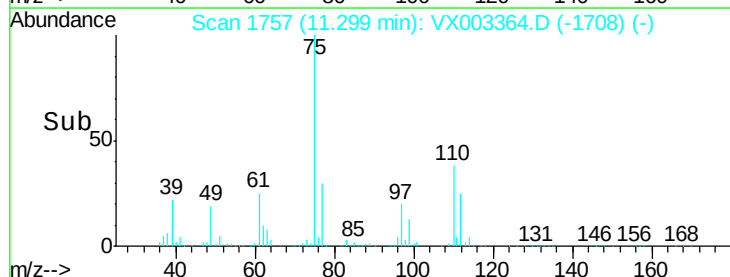
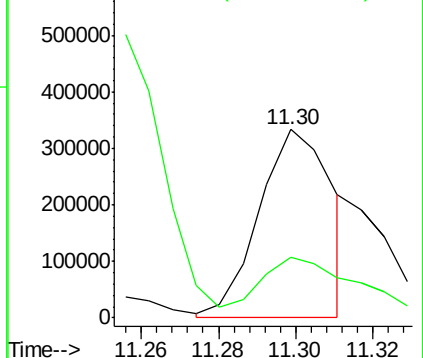
75 100

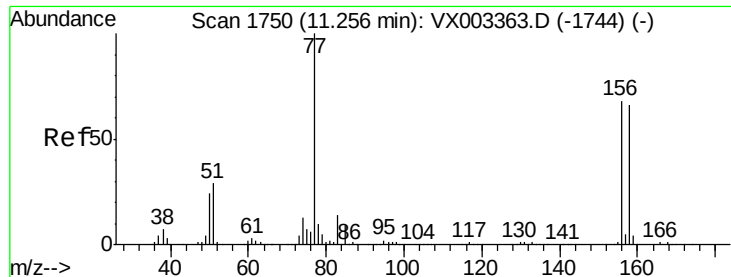
77 43.3 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 78.58 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 435896

Ion Ratio Lower Upper

156 100

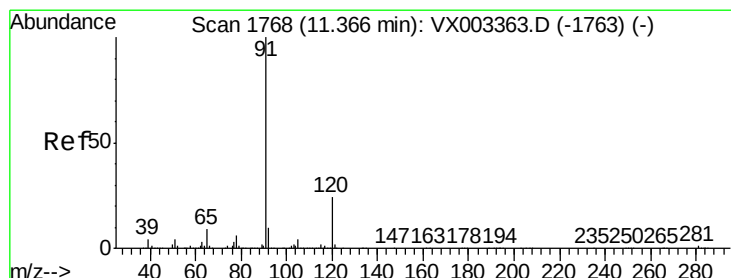
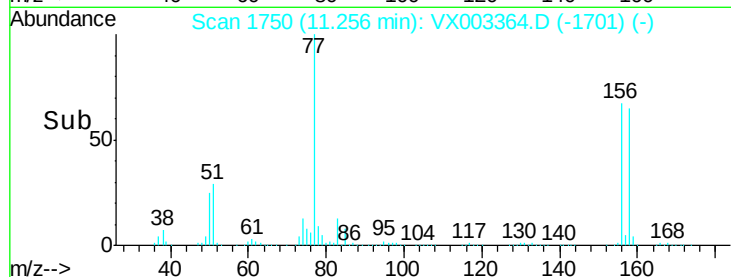
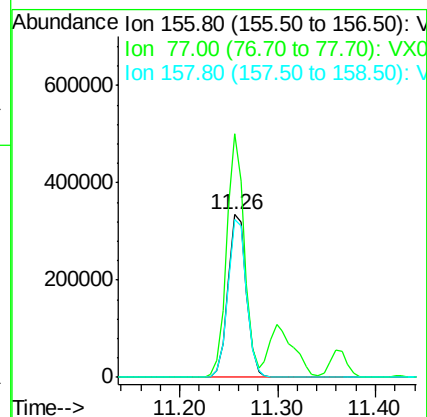
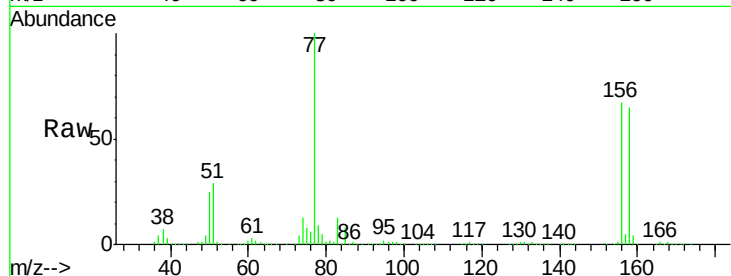
77 142.5 71.4 214.2

158 97.6 48.9 146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 85.21 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX003364.D

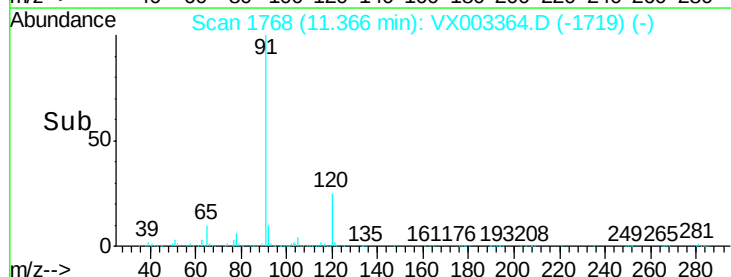
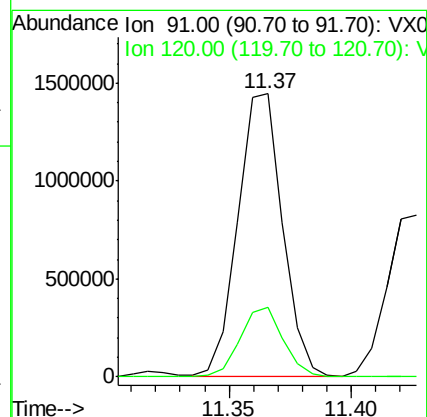
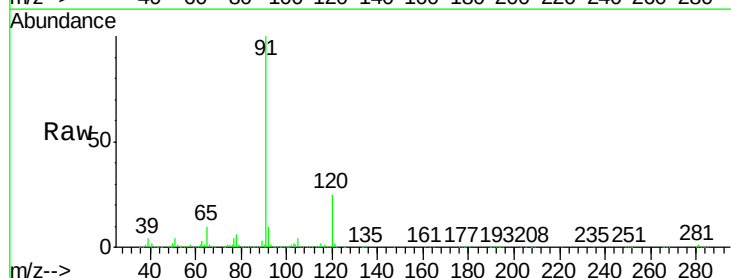
Acq: 13 Jul 2018 13:18

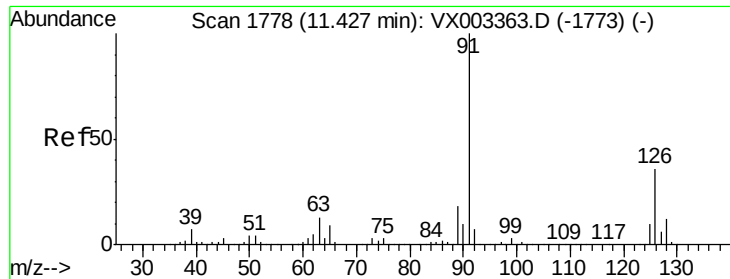
Tgt Ion: 91 Resp: 1820158

Ion Ratio Lower Upper

91 100

120 23.9 11.8 35.4





#79

2-Chlorotoluene

Concen: 82.59 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1074745

Ion Ratio Lower Upper

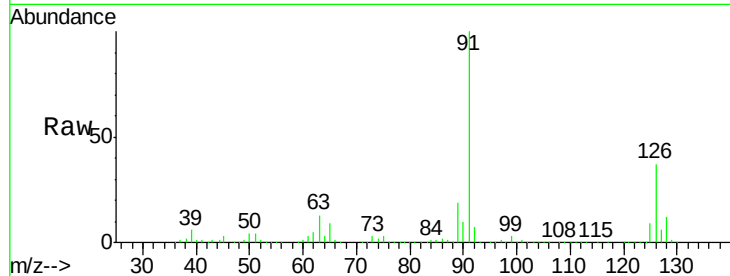
91 100

126 36.0 17.7 53.1

Manual Integrations
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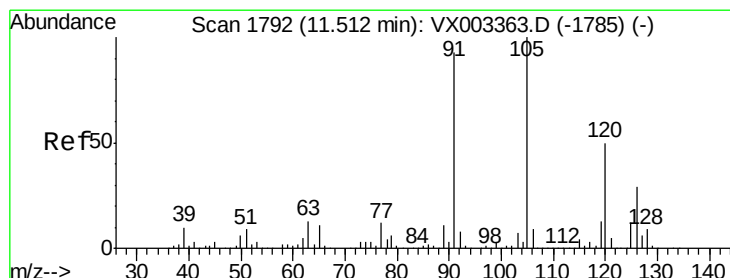
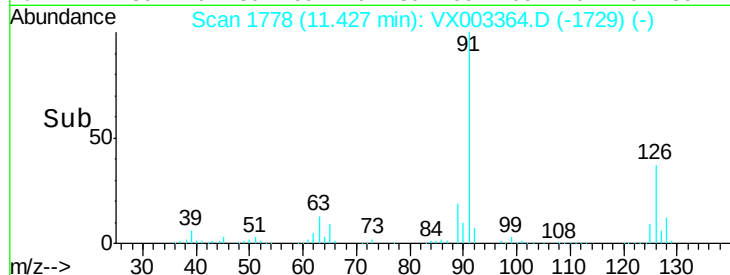
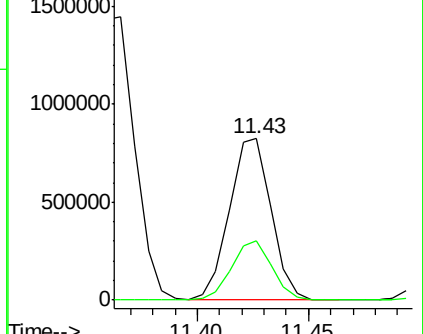
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 83.88 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003364.D

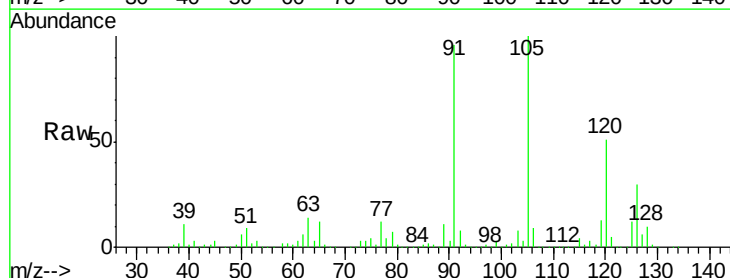
Acq: 13 Jul 2018 13:18

Tgt Ion:105 Resp: 1341852

Ion Ratio Lower Upper

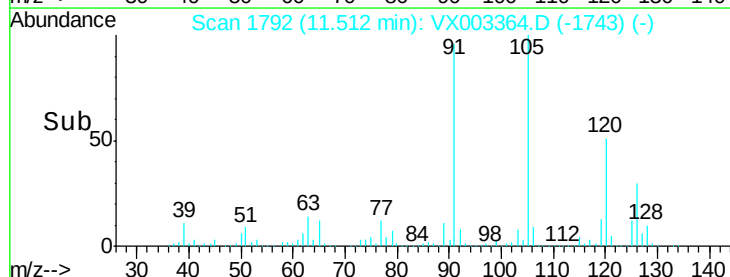
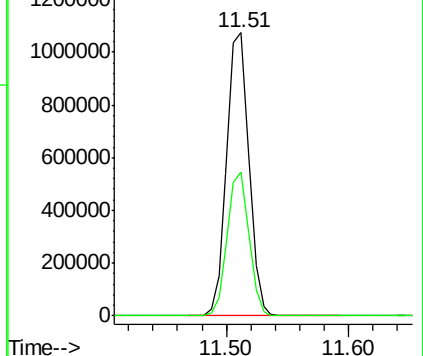
105 100

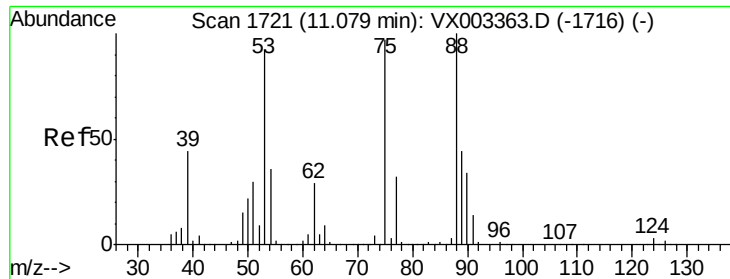
120 49.7 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





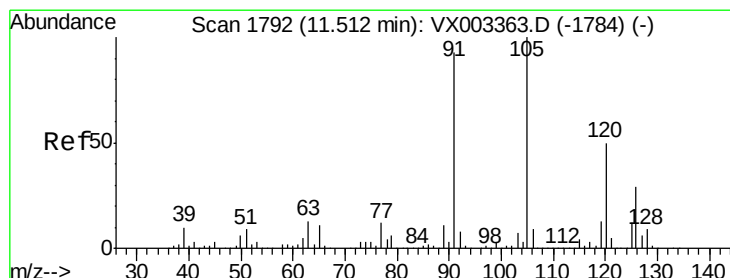
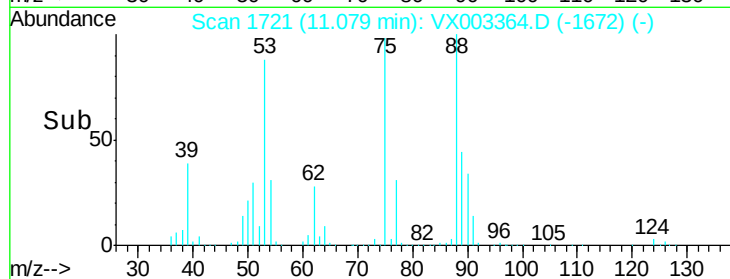
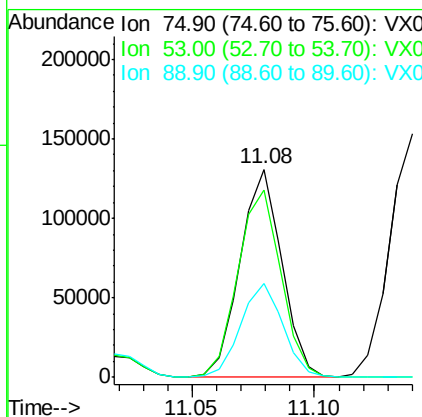
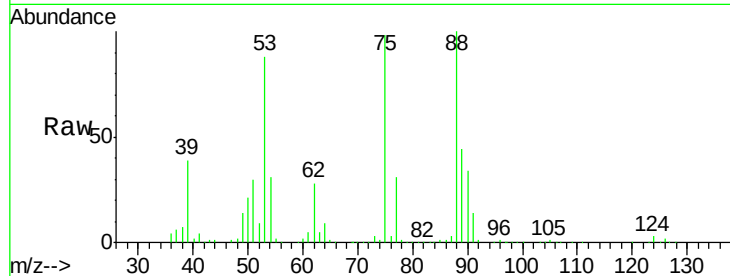
#81
trans-1,4-Dichloro-2-butene
Concen: 96.38 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.8	86.8	130.2
89	45.5	38.2	57.2

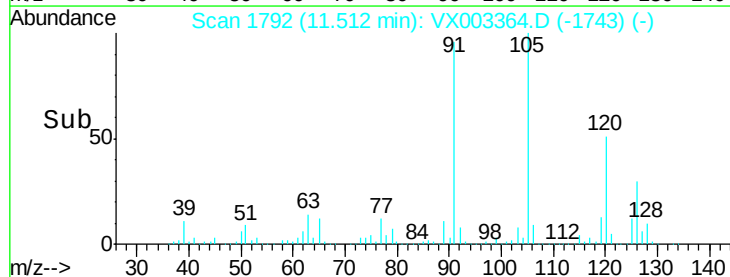
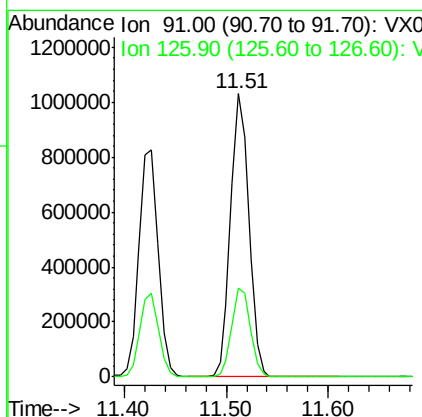
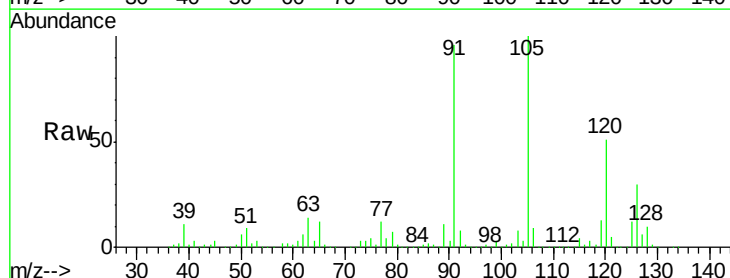
Manual Integrations
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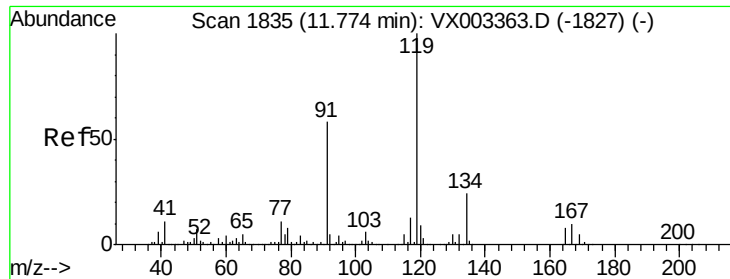
MMDadoda
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#82
4-Chlorotoluene
Concen: 84.34 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.4	46.4





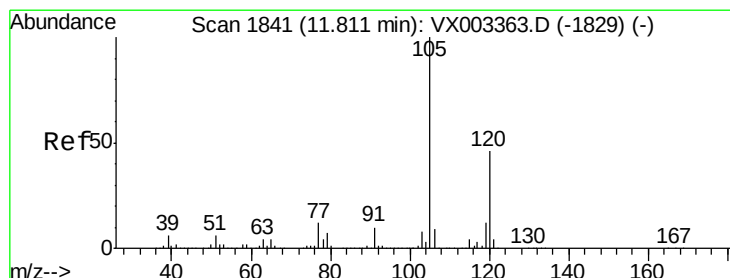
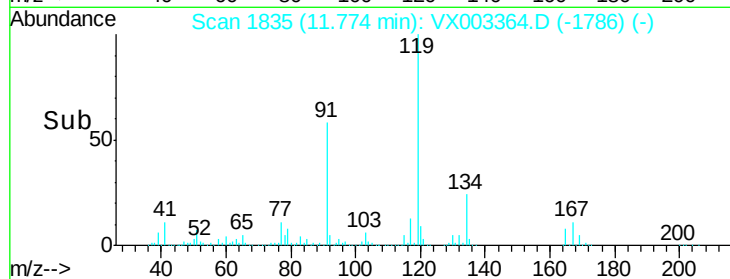
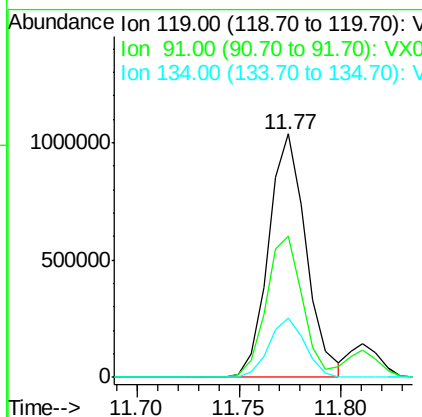
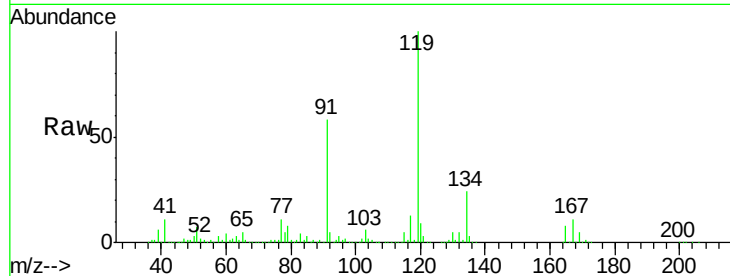
#83
 tert-Butylbenzene
 Concen: 83.13 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003364.D
 Acq: 13 Jul 2018 13:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 1328473
 Ion Ratio Lower Upper
 119 100
 91 55.7 30.3 90.9
 134 23.4 11.7 35.1

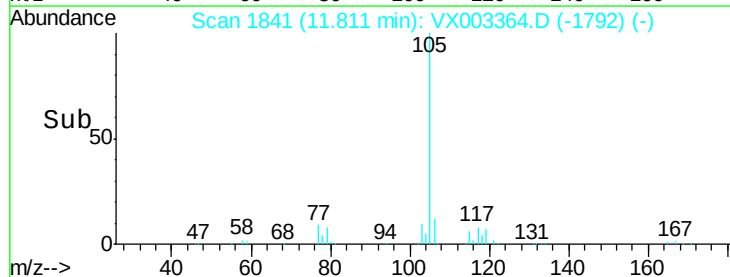
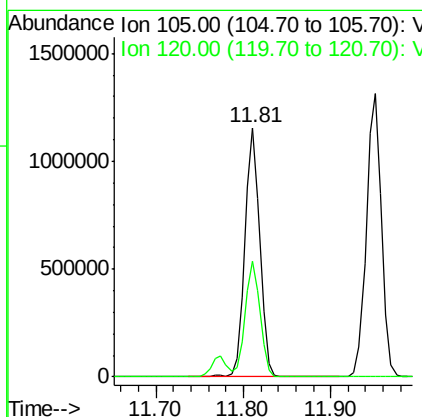
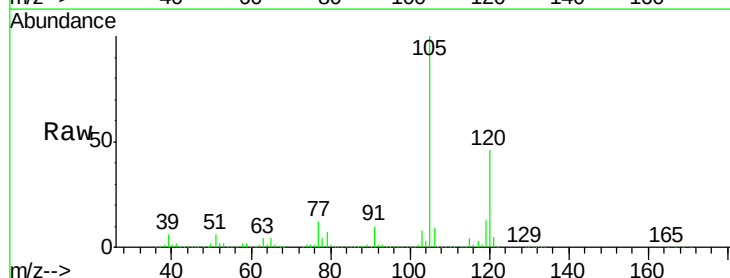
Manual Integrations
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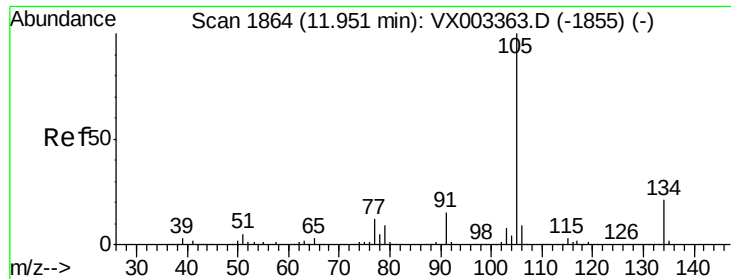
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#84
 1,2,4-Trimethylbenzene
 Concen: 83.68 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003364.D
 Acq: 13 Jul 2018 13:18

Tgt Ion:105 Resp: 1370807
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.3 66.8





#85

sec-Butylbenzene

Concen: 84.02 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

Instrument :

MSVOA_X

ClientSampled :

VSTDICC100

Tot Ion:105 Resp: 1586851

Ion Ratio Lower Upper

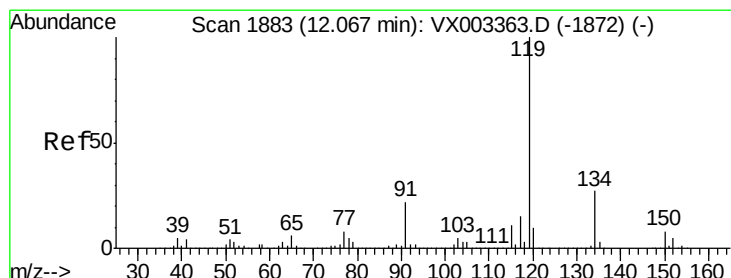
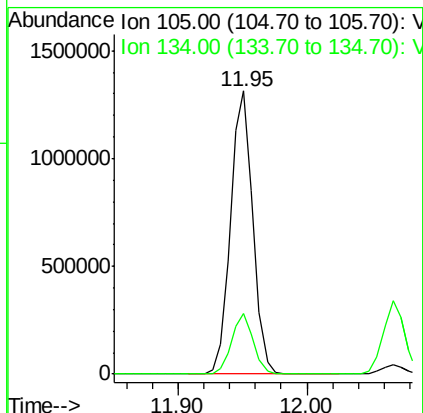
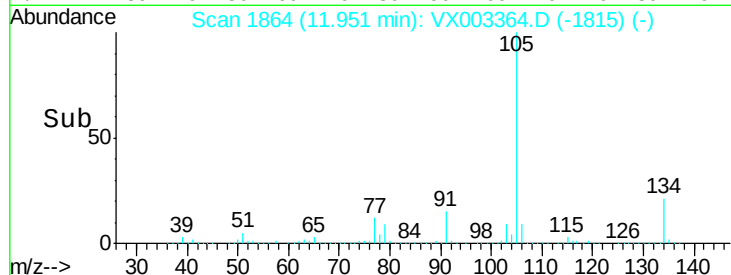
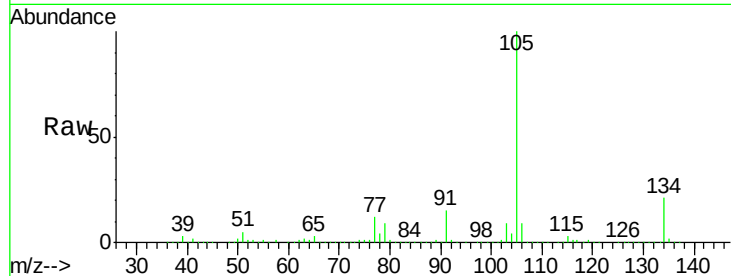
105 100

134 20.8 10.4 31.1

Manual Integrations
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7/16/2018 11:24:41 AM



#86

p-Isopropyltoluene

Concen: 83.58 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

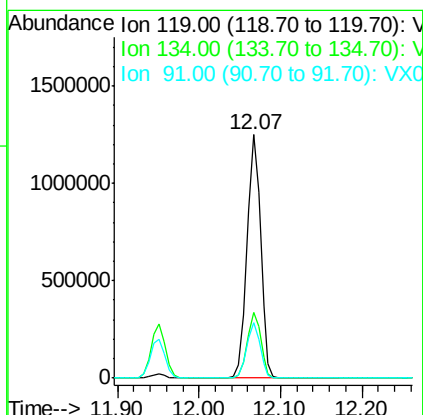
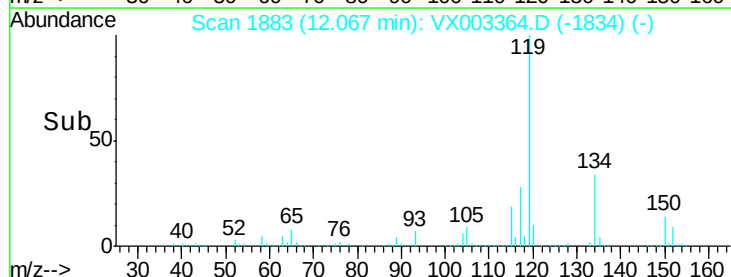
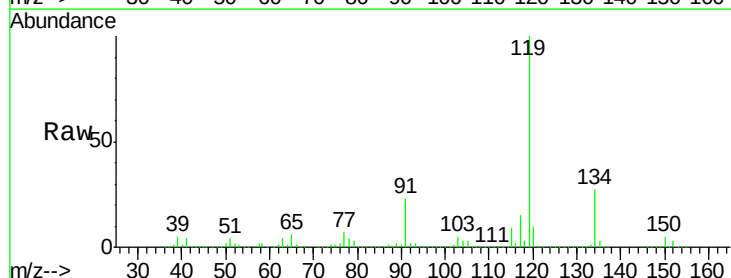
Tgt Ion:119 Resp: 1438242

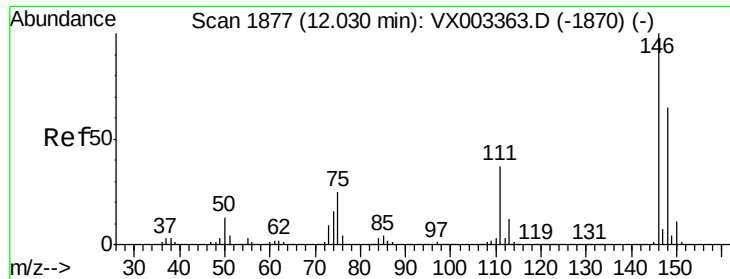
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 22.4 11.9 35.7





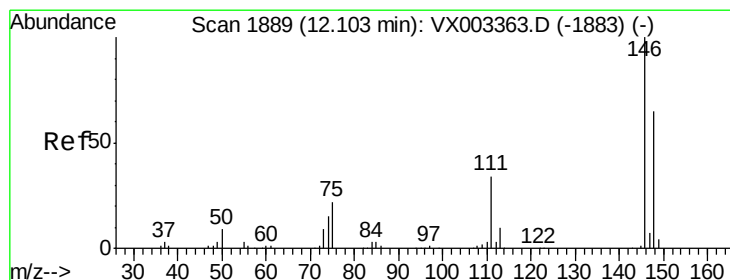
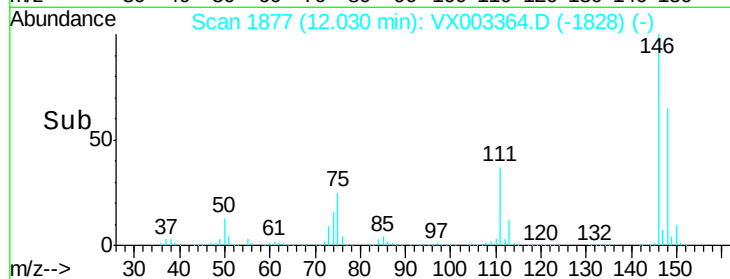
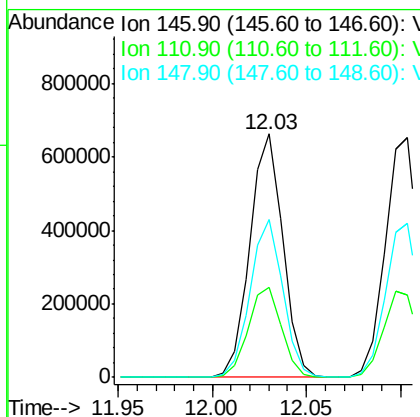
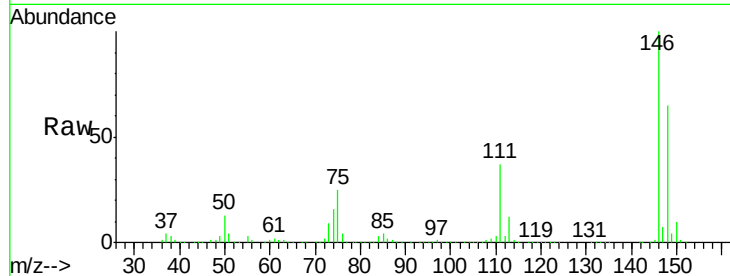
#87
 1,3-Dichlorobenzene
 Concen: 79.12 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003364.D
 Acq: 13 Jul 2018 13:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.7
148	64.1	32.1	96.3

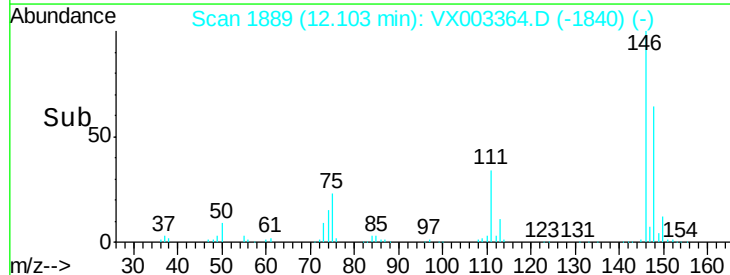
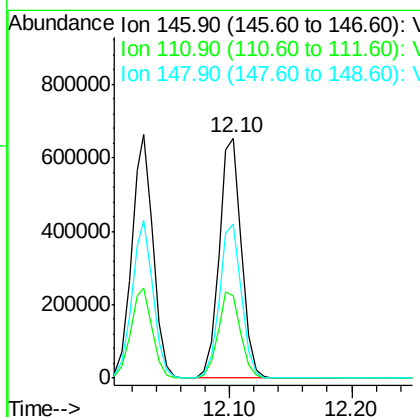
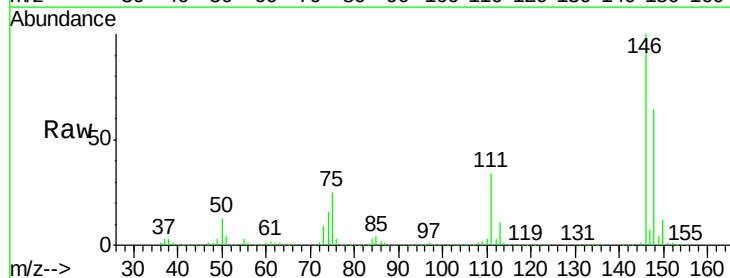
Manual Integrations
 APPROVED

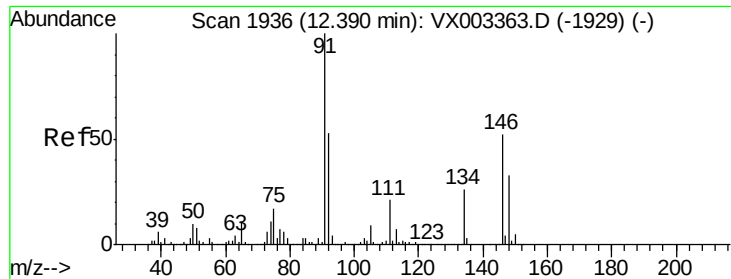
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#88
 1,4-Dichlorobenzene
 Concen: 79.64 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX003364.D
 Acq: 13 Jul 2018 13:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.7	56.1
148	64.3	32.4	97.0





#89

n-Butylbenzene

Concen: 87.94 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003364.D

Acq: 13 Jul 2018 13:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1264321

Ion Ratio Lower Upper

91 100

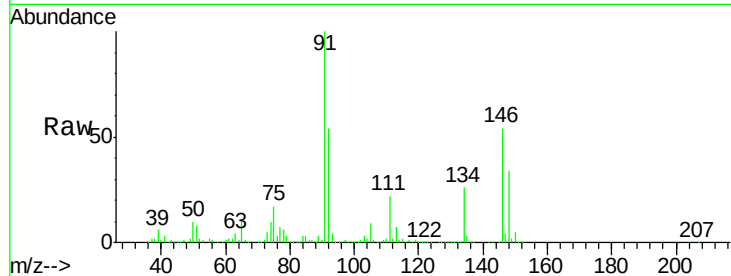
92 53.0 26.0 78.0

134 27.2 13.5 40.5

Manual Integrations
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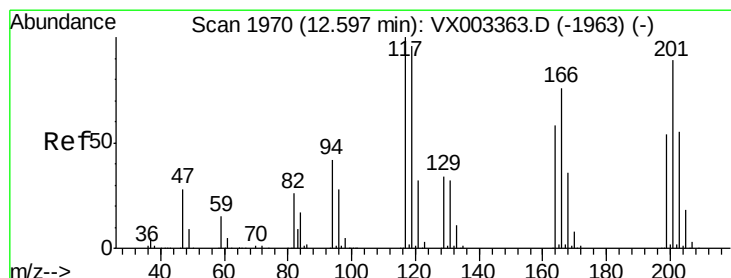
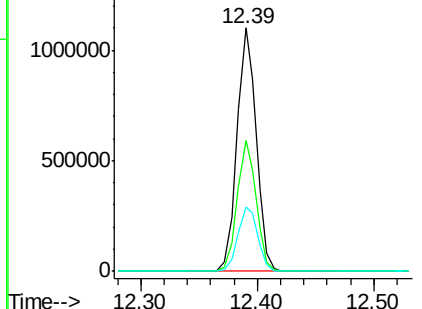
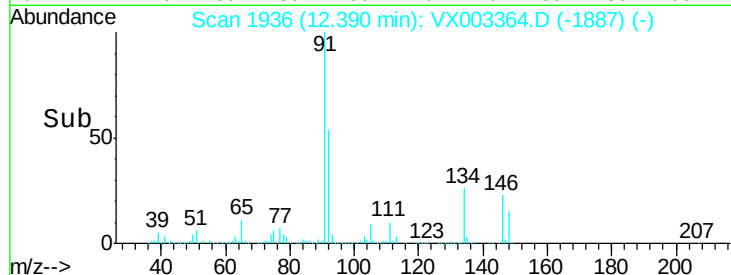


Abundance Ion 91.00 (90.70 to 91.70): VX003363.D (-1929) (-)

Ion 92.00 (91.70 to 92.70): VX003363.D (-1929) (-)

Ion 134.00 (133.70 to 134.70): VX003363.D (-1929) (-)

Time-->



#90

Hexachloroethane

Concen: 86.44 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX003364.D

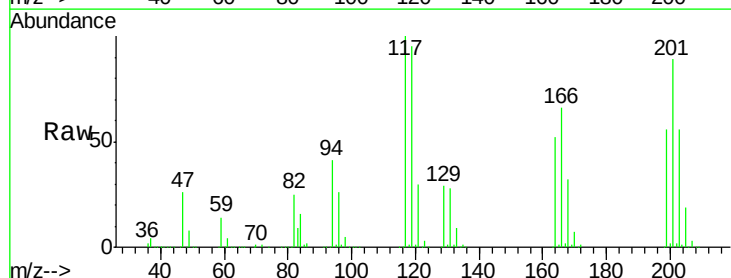
Acq: 13 Jul 2018 13:18

Tgt Ion: 117 Resp: 227087

Ion Ratio Lower Upper

117 100

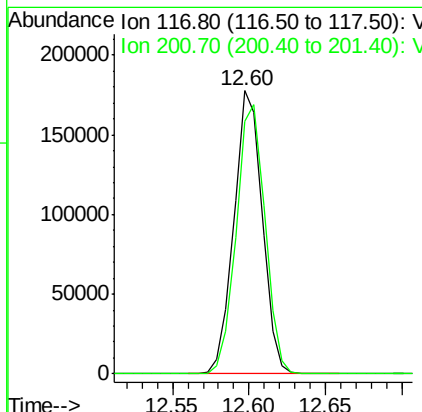
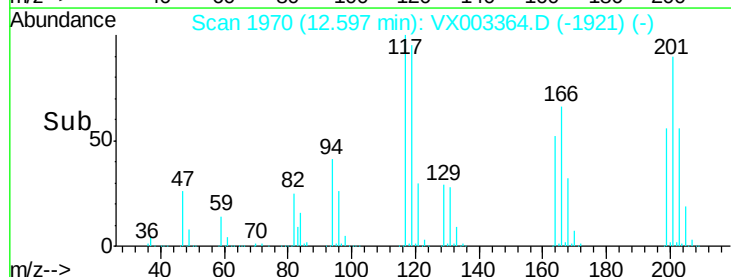
201 96.7 49.0 147.0

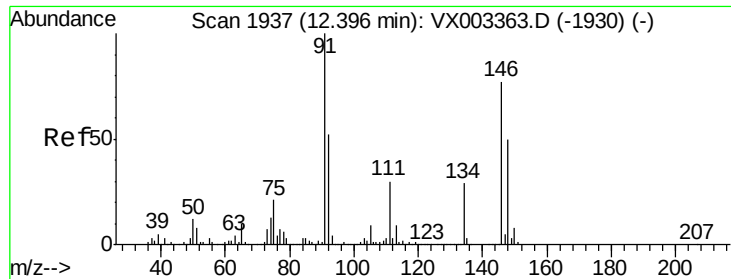


Abundance Ion 116.80 (116.50 to 117.50): VX003363.D (-1963) (-)

Ion 200.70 (200.40 to 201.40): VX003363.D (-1963) (-)

Time-->





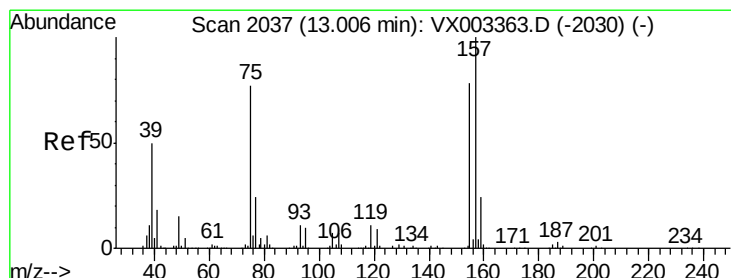
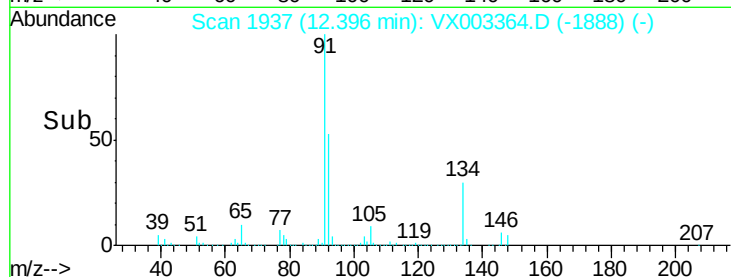
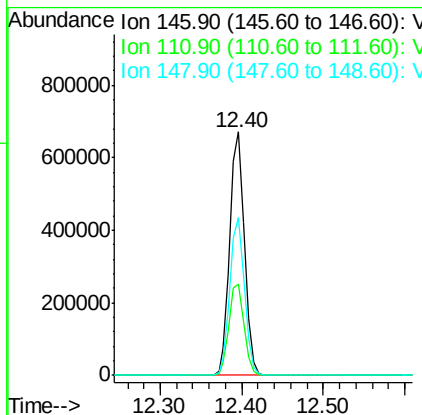
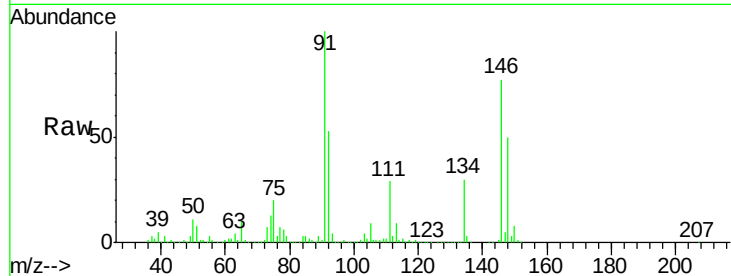
#91
1,2-Dichlorobenzene
Concen: 80.52 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.1
148	64.7	31.7	95.1

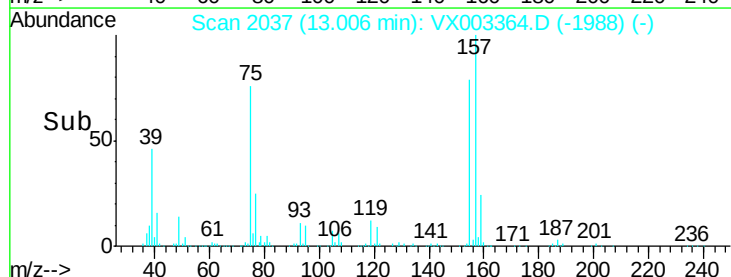
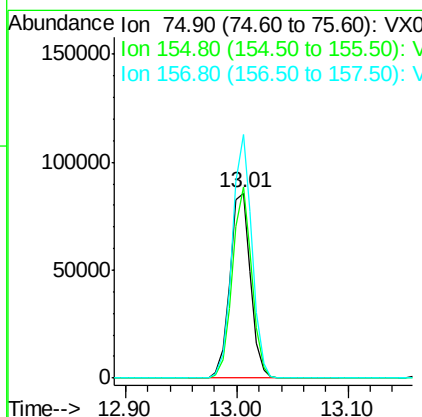
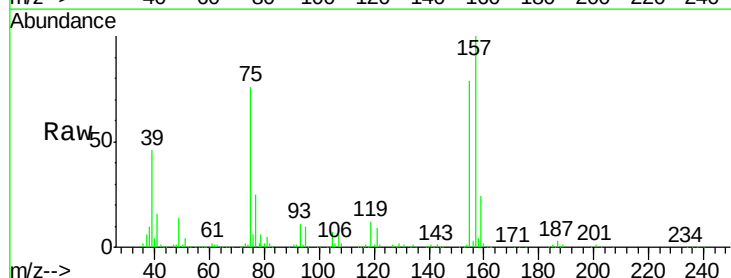
Manual Integrations
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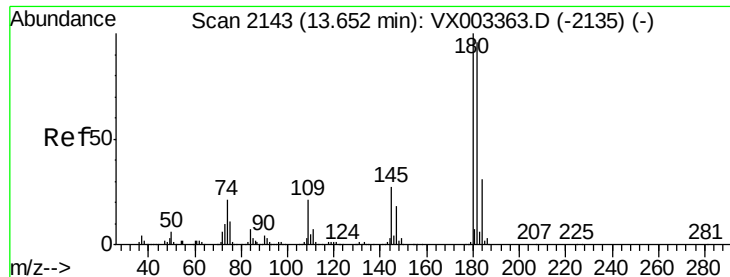
MMDadoda
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#92
1,2-Dibromo-3-Chloropropane
Concen: 85.25 ug/l
RT: 13.01 min Scan# 2037
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.3	45.8	137.4
157	124.9	60.1	180.3





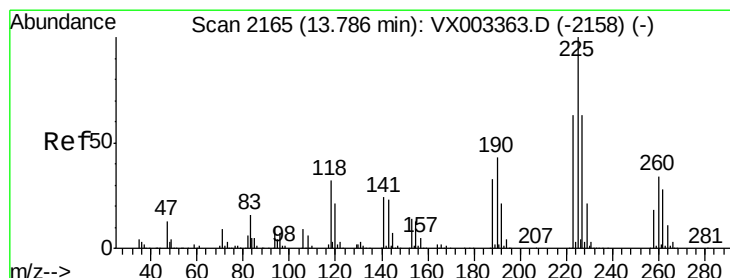
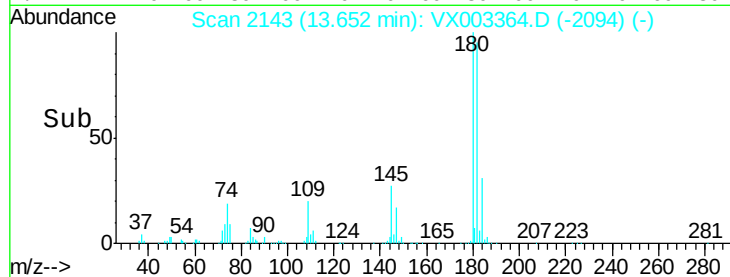
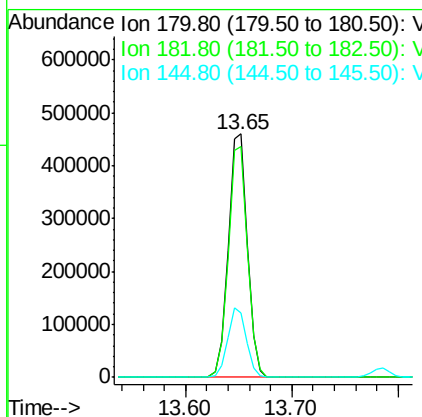
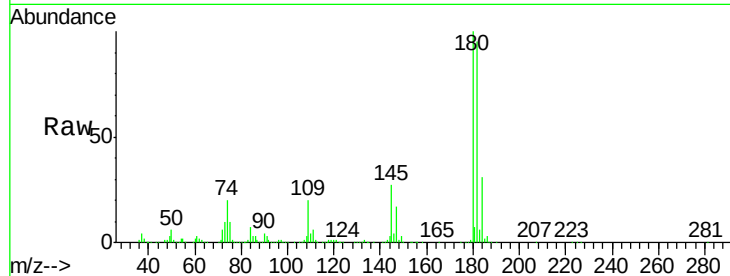
#93
 1,2,4-Trichlorobenzene
 Concen: 77.63 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX003364.D
 Acq: 13 Jul 2018 13:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	577267		
182	95.5	47.7	143.1	
145	28.0	14.1	42.4	

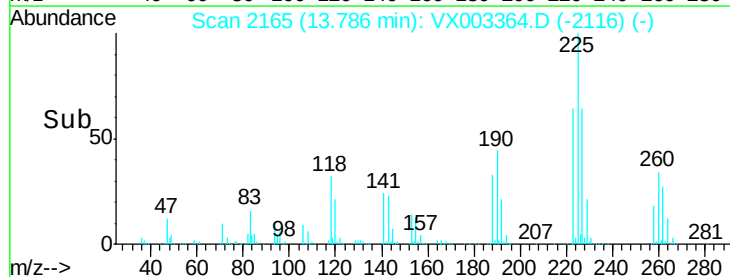
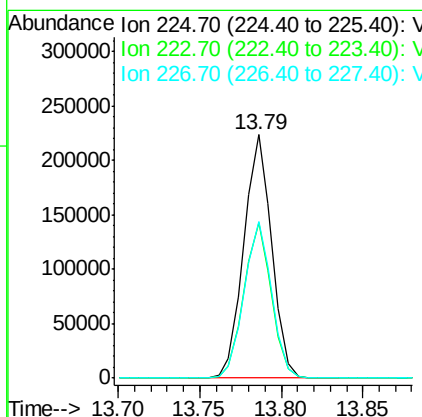
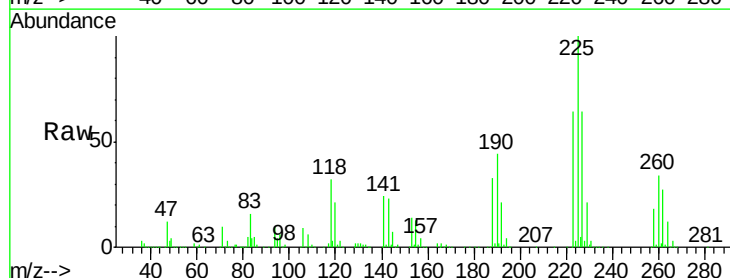
Manual Integrations
 APPROVED

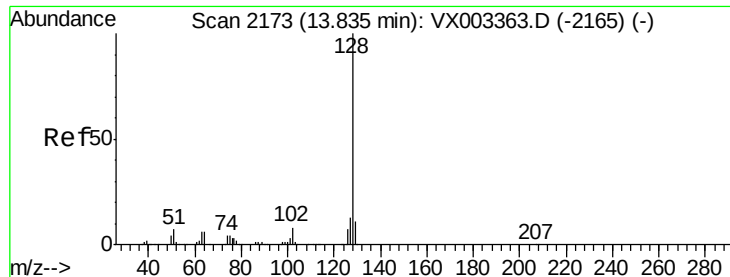
MMDadoda
 7/16/2018 11:24:41 AM



#94
 Hexachlorobutadiene
 Concen: 71.80 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003364.D
 Acq: 13 Jul 2018 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	265794		
223	62.8	31.6	95.0	
227	63.6	32.4	97.2	





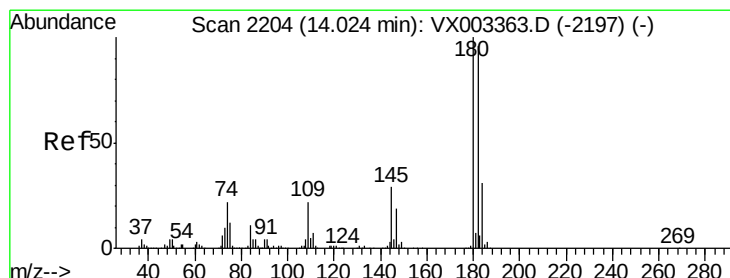
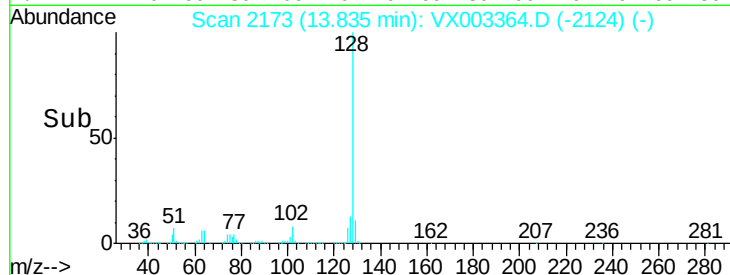
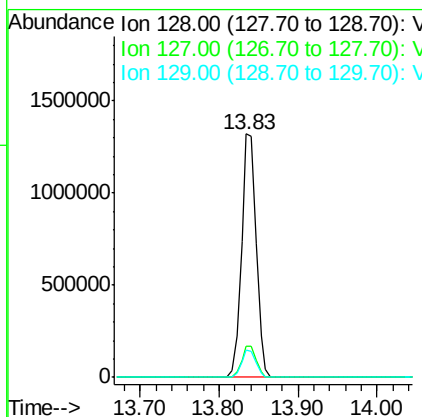
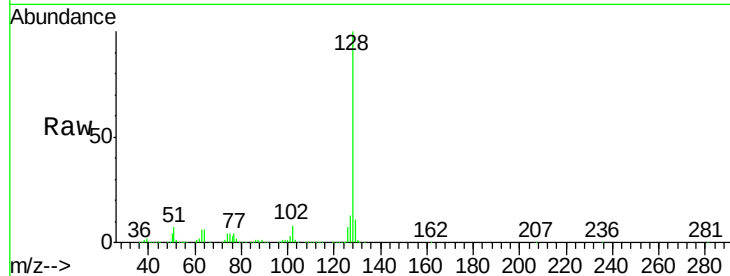
#95
Naphthalene
Concen: 87.27 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/16/2018 11:24:41 AM



#96
1,2,3-Trichlorobenzene
Concen: 77.94 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003364.D
Acq: 13 Jul 2018 13:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.0	144.0
145	30.0	14.8	44.3

