

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071318\
 Data File : VX003361.D
 Acq On : 13 Jul 2018 11:59
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/16/2018 11:24:39 AM

Quant Time: Jul 13 14:45:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 13 13:52:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	257874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	369059	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	351474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	206238	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	21177	5.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.44%	
35) Dibromofluoromethane	5.51	113	17499	4.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.82%	
50) Toluene-d8	8.72	98	62057	4.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.82%	
62) 4-Bromofluorobenzene	11.14	95	20016	3.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	13434	3.43	ug/l	95
3) Chloromethane	1.32	50	16594	4.66	ug/l	97
4) Vinyl Chloride	1.40	62	17883	4.89	ug/l	99
5) Bromomethane	1.64	94	9108	6.29	ug/l	96
6) Chloroethane	1.71	64	12080	5.96	ug/l	100
7) Trichlorofluoromethane	1.92	101	26832	4.93	ug/l	93
8) Diethyl Ether	2.19	74	11291	5.74	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	16854	5.29	ug/l	98
10) Methyl Iodide	2.51	142	12358	3.92	ug/l	93
11) Tert butyl alcohol	3.08	59	21334	29.00	ug/l	98
12) 1,1-Dichloroethene	2.37	96	15518	5.35	ug/l	88
13) Acrolein	2.29	56	12188	20.56	ug/l	97
14) Allyl chloride	2.73	41	29038	5.41	ug/l	88
15) Acrylonitrile	3.15	53	50662	30.84	ug/l	98
16) Acetone	2.45	43	40285	27.96	ug/l #	85
17) Carbon Disulfide	2.57	76	37767	4.69	ug/l	99
18) Methyl Acetate	2.78	43	22644	5.57	ug/l	94
19) Methyl tert-butyl Ether	3.21	73	55252	5.71	ug/l	98
20) Methylene Chloride	2.86	84	19576	6.01	ug/l	90
21) trans-1,2-Dichloroethene	3.16	96	17012	5.51	ug/l	93
22) Diisopropyl ether	3.87	45	53287	4.88	ug/l	96
23) Vinyl Acetate	3.82	43	217136	23.42	ug/l	96
24) 1,1-Dichloroethane	3.70	63	32508	5.72	ug/l	99
25) 2-Butanone	4.71	43	59177	23.21	ug/l #	88
26) 2,2-Dichloropropane	4.58	77	21618	4.35	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	17694	4.66	ug/l	20
28) Bromochloromethane	5.02	49	13562	4.74	ug/l	93
29) Tetrahydrofuran	5.17	42	36282	21.93	ug/l	93
30) Chloroform	5.21	83	28341	4.53	ug/l	96
31) Cyclohexane	5.58	56	22814	4.29	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	23743	4.30	ug/l	98
36) 1,1-Dichloropropene	5.80	75	20515	3.93	ug/l	99
37) Ethyl Acetate	4.86	43	22769	3.98	ug/l	97
38) Carbon Tetrachloride	5.78	117	20067	3.51	ug/l	92

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 ALS Vial : 3 Sample Multiplier: 1

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 VSTDIC005

Manual Integrations
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Quant Time: Jul 13 14:45:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 13 13:52:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	21956	3.57	ug/l	90
40) Benzene	6.14	78	63528	4.10	ug/l	100
41) Methacrylonitrile	5.07	41	12321	3.93	ug/l	94
42) 1,2-Dichloroethane	6.20	62	22700	3.92	ug/l	97
43) Isopropyl Acetate	6.47	43	33877	3.77	ug/l	95
44) Trichloroethene	7.21	130	17557	3.83	ug/l	97
45) 1,2-Dichloropropane	7.52	63	16626	4.13	ug/l	98
46) Dibromomethane	7.67	93	10877	3.96	ug/l	98
47) Bromodichloromethane	7.90	83	19203	3.79	ug/l	99
48) Methyl methacrylate	7.78	41	16992	3.68	ug/l	91
49) 1,4-Dioxane	7.76	88	7397	76.69	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	112751	20.14	ug/l	96
52) Toluene	8.79	92	39942	4.08	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	21704	3.64	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	19534	3.60	ug/l #	89
55) 1,1,2-Trichloroethane	9.22	97	16765	4.13	ug/l	96
56) Ethyl methacrylate	9.18	69	21776	3.92	ug/l #	88
57) 1,3-Dichloropropane	9.38	76	27681	4.23	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	54232	20.22	ug/l	98
59) 2-Hexanone	9.50	43	84396	19.84	ug/l	95
60) Dibromochloromethane	9.59	129	14619	3.45	ug/l	98
61) 1,2-Dibromoethane	9.68	107	16526	3.88	ug/l	100
64) Tetrachloroethene	9.34	164	20600	3.88	ug/l	93
65) Chlorobenzene	10.14	112	46468	3.89	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	15435	3.58	ug/l	98
67) Ethyl Benzene	10.26	91	70936	3.67	ug/l	99
68) m/p-Xylenes	10.36	106	53938	7.18	ug/l	100
69) o-Xylene	10.70	106	25964	3.57	ug/l	97
70) Styrene	10.71	104	42438	3.60	ug/l	99
71) Bromoform	10.86	173	10880	3.07	ug/l #	97
73) Isopropylbenzene	11.02	105	71200	4.37	ug/l	99
74) N-amyl acetate	6.47	43	33877	4.36	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	23706	4.69	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	20828m	4.67	ug/l	
77) Bromobenzene	11.26	156	20368	4.33	ug/l	99
78) n-propylbenzene	11.36	91	77742	4.29	ug/l	100
79) 2-Chlorotoluene	11.42	91	49741	4.51	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	58106	4.29	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	5184	3.80	ug/l	93
82) 4-Chlorotoluene	11.51	91	56730	4.41	ug/l	99
83) tert-Butylbenzene	11.77	119	57232	4.23	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	60521	4.36	ug/l	99
85) sec-Butylbenzene	11.95	105	71502	4.47	ug/l	100
86) p-Isopropyltoluene	12.07	119	60037	4.12	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	38229	4.43	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	39349	4.51	ug/l	96
89) n-Butylbenzene	12.39	91	50632	4.16	ug/l	99
90) Hexachloroethane	12.60	117	8690	3.90	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	38698	4.47	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	4496	4.15	ug/l	99

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

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MSVOA_X
ClientSampleId :
VSTDICC005

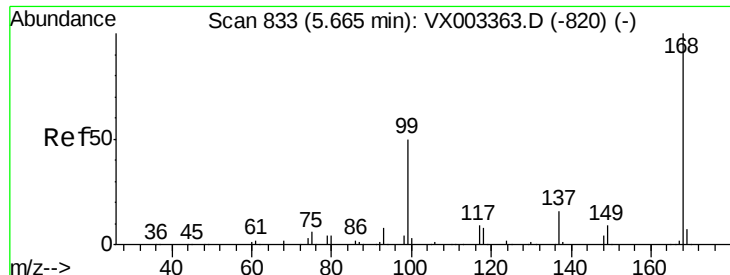
Manual Integrations
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7/16/2018 11:24:39 AM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071318W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 13 13:52:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	26479	4.20	ug/l	97
94) Hexachlorobutadiene	13.79	225	12864	4.10	ug/l	99
95) Naphthalene	13.83	128	70018	4.25	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	25851	4.11	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: VX003361.D

Acq: 13 Jul 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 257874

Ion Ratio Lower Upper

168 100

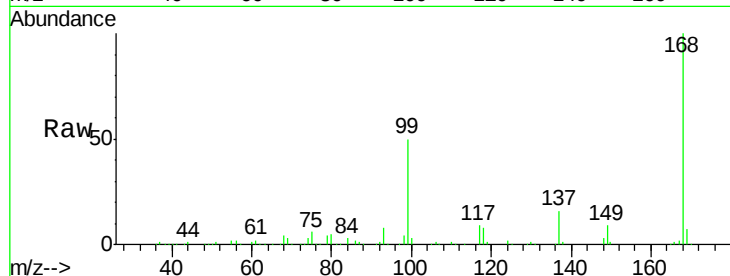
99 49.5 39.3 58.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

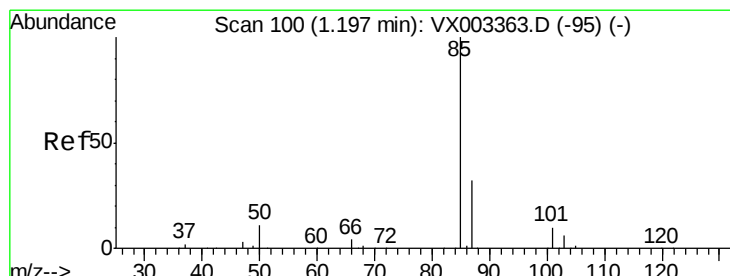
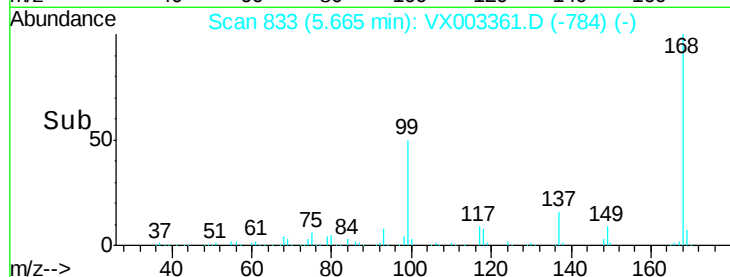
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 3.43 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003361.D

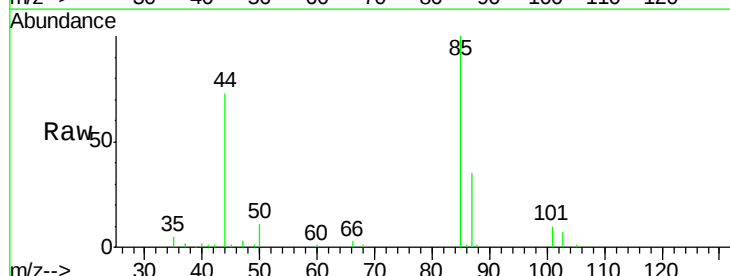
Acq: 13 Jul 2018 11:59

Tgt Ion: 85 Resp: 13434

Ion Ratio Lower Upper

85 100

87 34.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

15000

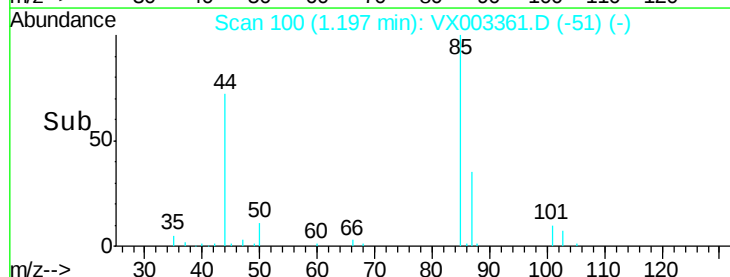
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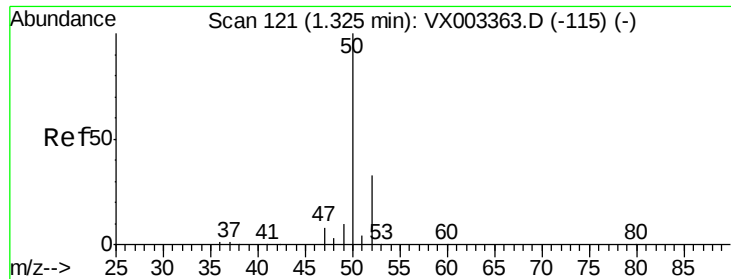
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Time-->

1.15 1.20 1.25





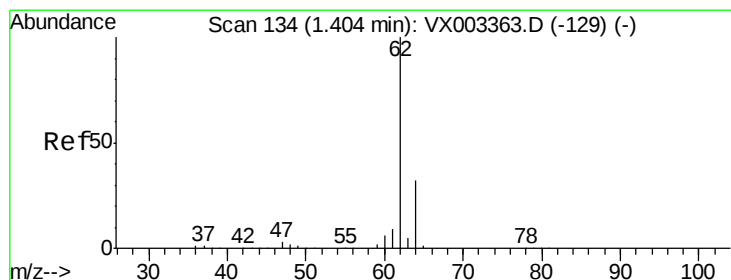
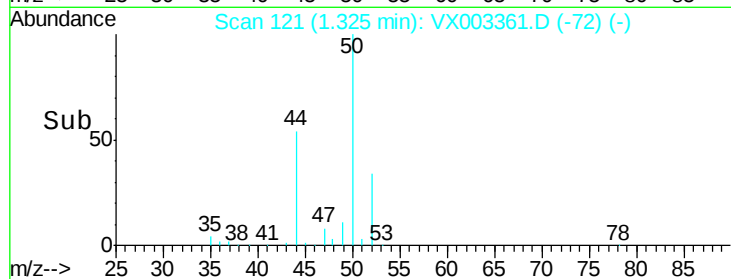
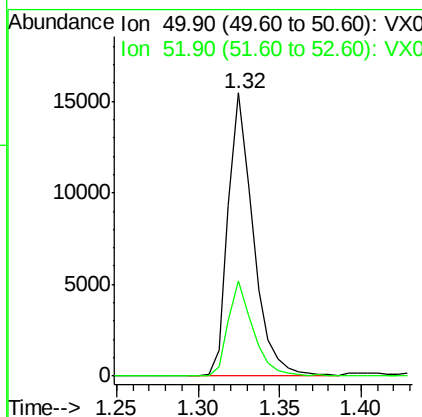
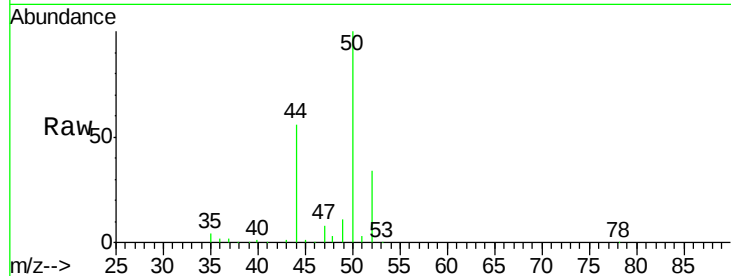
#3
Chloromethane
Concen: 4.66 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 50 Resp: 16594
Ion Ratio Lower Upper
50 100
52 33.6 25.7 38.5

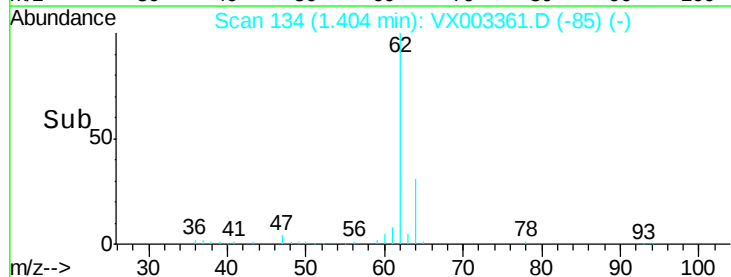
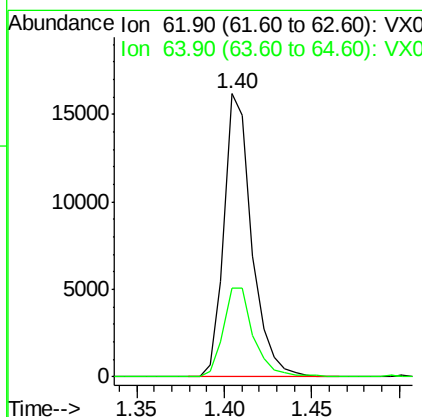
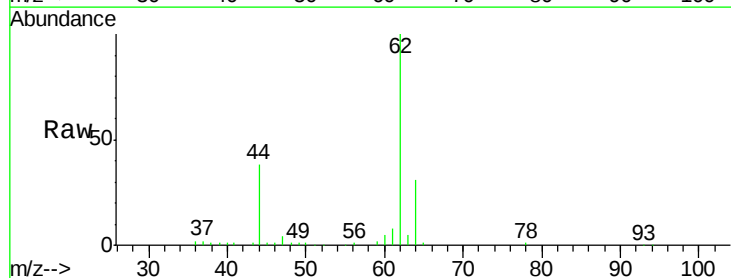
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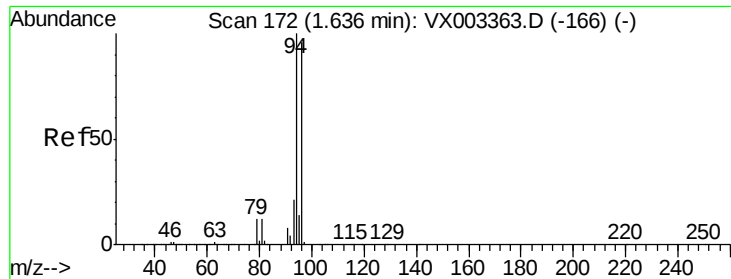
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#4
Vinyl Chloride
Concen: 4.89 ug/l
RT: 1.40 min Scan# 134
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Tgt Ion: 62 Resp: 17883
Ion Ratio Lower Upper
62 100
64 31.2 25.4 38.2





#5

Bromomethane

Concen: 6.29 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 9108

Ion Ratio Lower Upper

94 100

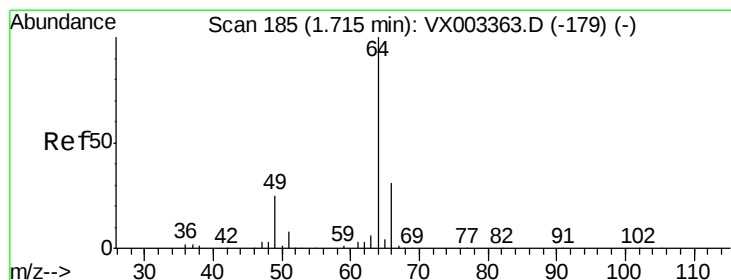
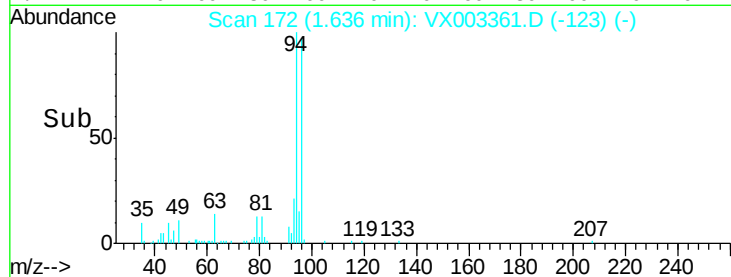
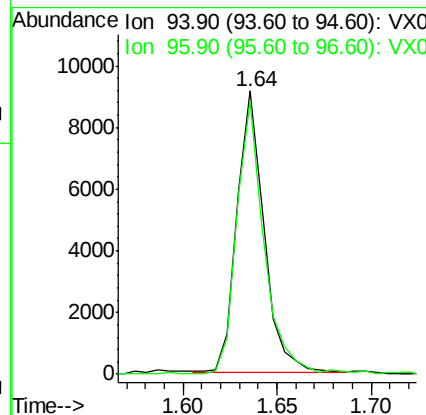
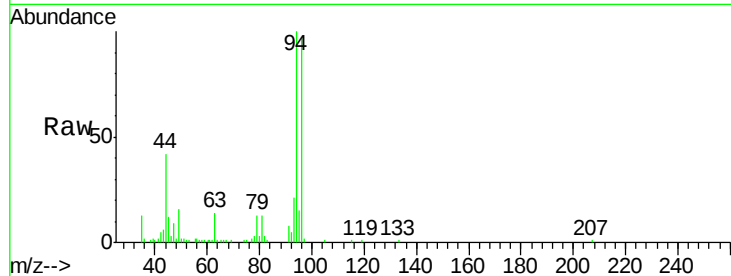
96 97.2 74.9 112.3

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#6

Chloroethane

Concen: 5.96 ug/l

RT: 1.71 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003361.D

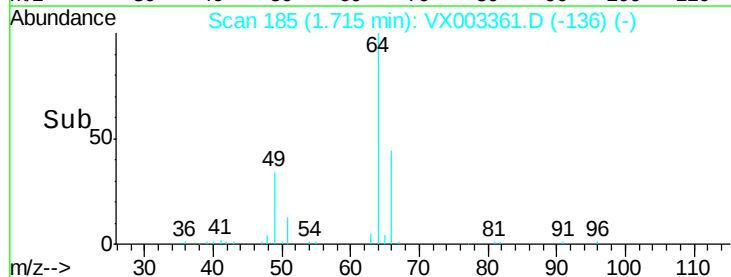
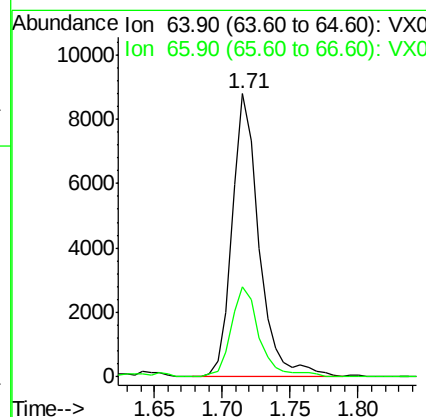
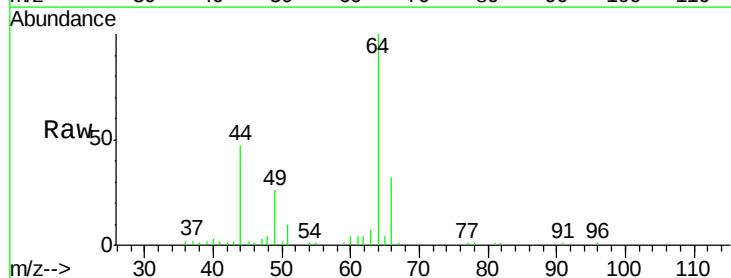
Acq: 13 Jul 2018 11:59

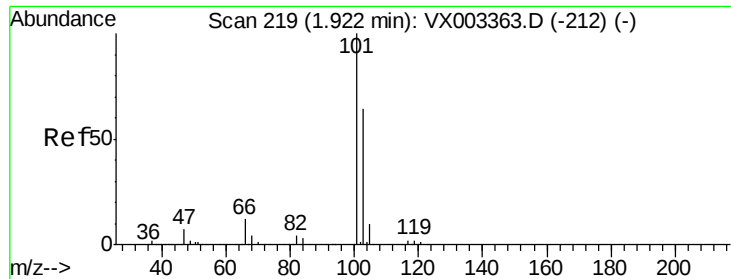
Tgt Ion: 64 Resp: 12080

Ion Ratio Lower Upper

64 100

66 31.9 25.5 38.3





#7

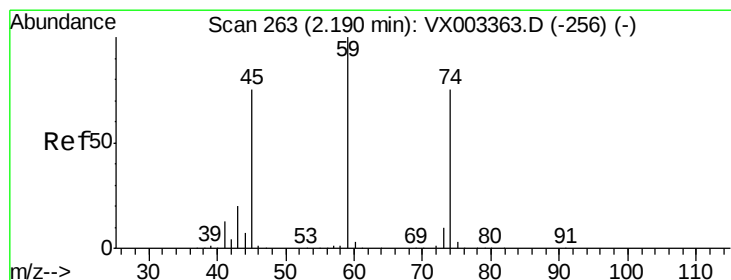
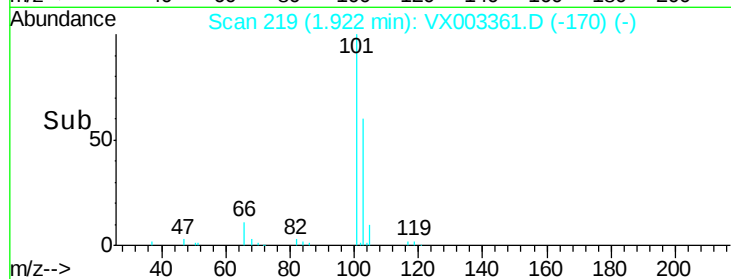
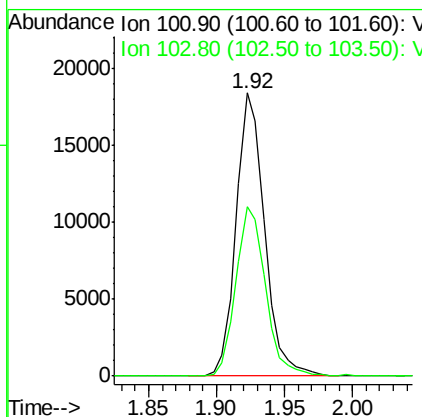
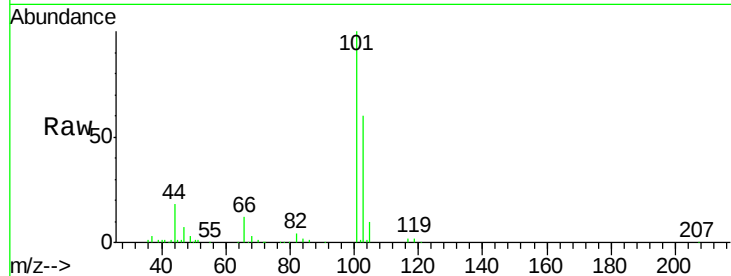
Trichlorofluoromethane
Concen: 4.93 ug/l
RT: 1.92 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.1	52.8	79.2

Manual Integrations
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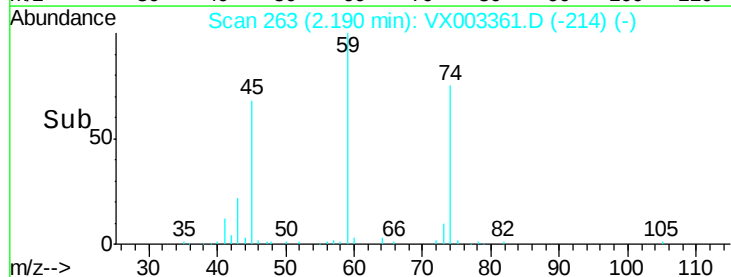
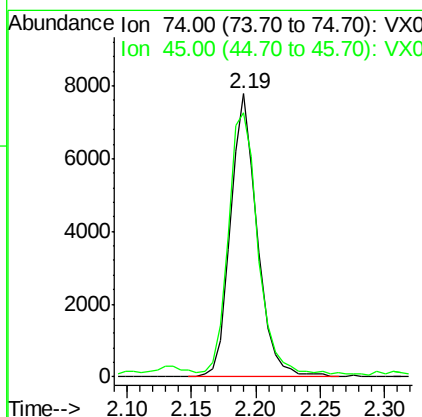
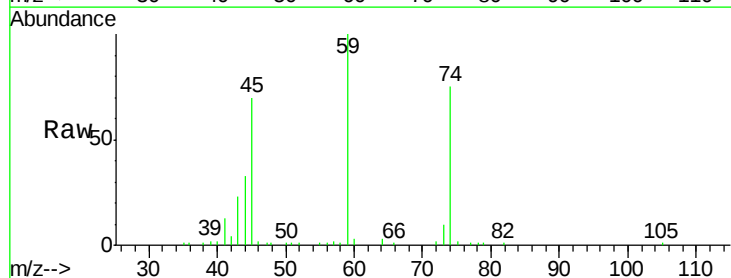
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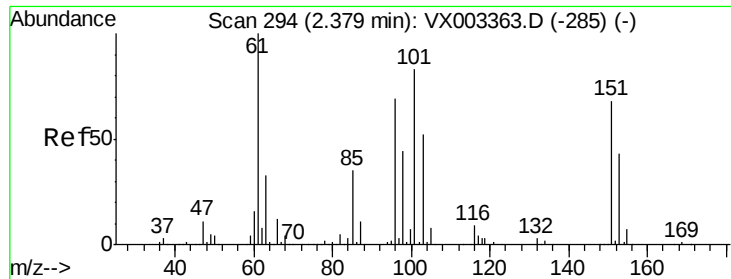


#8

Diethyl Ether
Concen: 5.74 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.2	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.29 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Instrument :

MSVOA_X

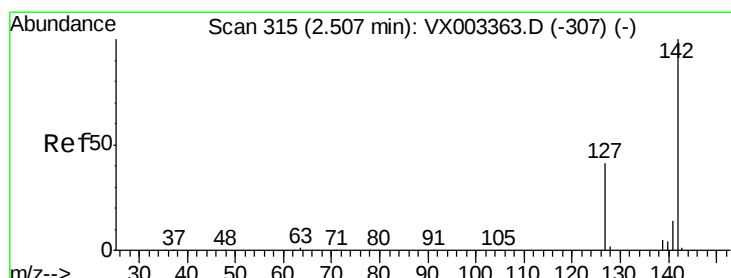
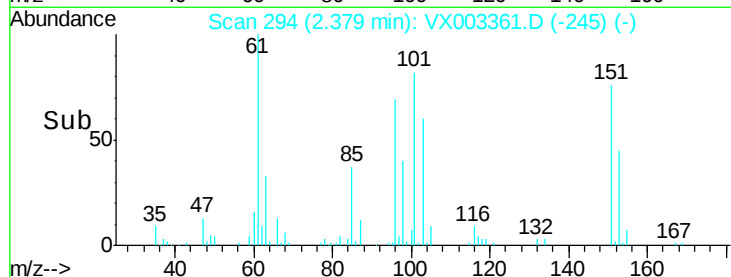
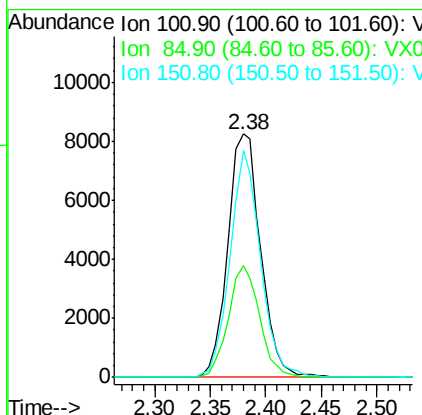
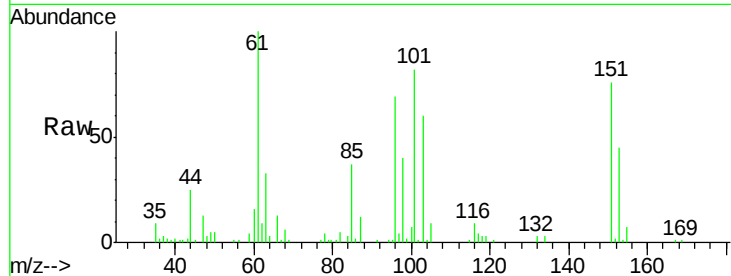
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.4	36.0	54.0
151	86.4	70.9	106.3

Manual Integrations
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7/16/2018 11:24:39 AM



#10

Methyl Iodide

Concen: 3.92 ug/l

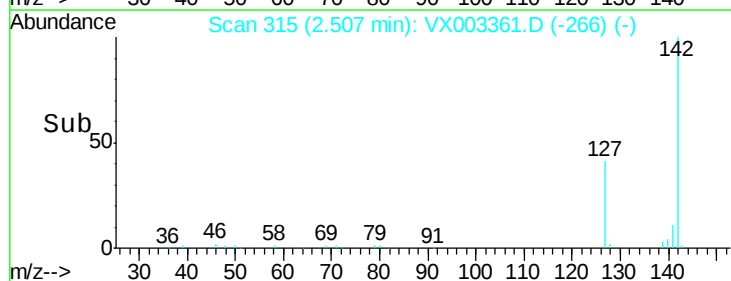
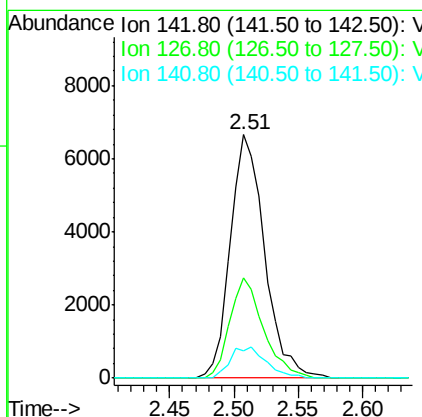
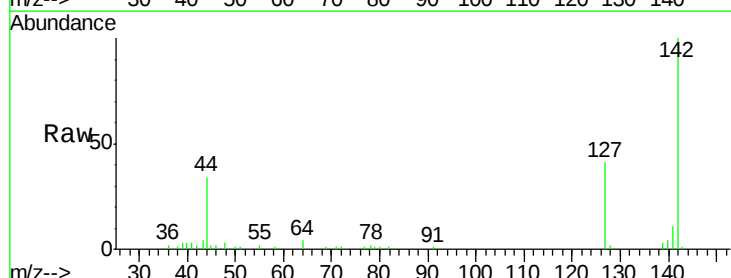
RT: 2.51 min Scan# 315

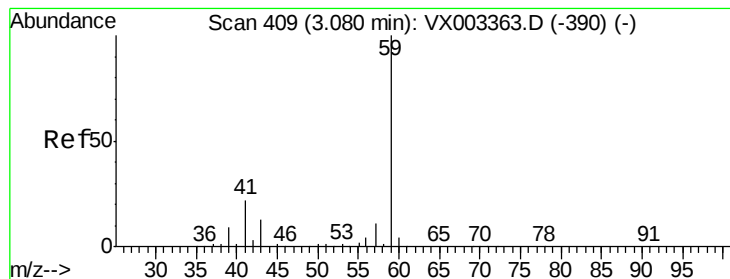
Delta R.T. 0.00 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.4	36.6	55.0
141	13.3	11.3	16.9





#11

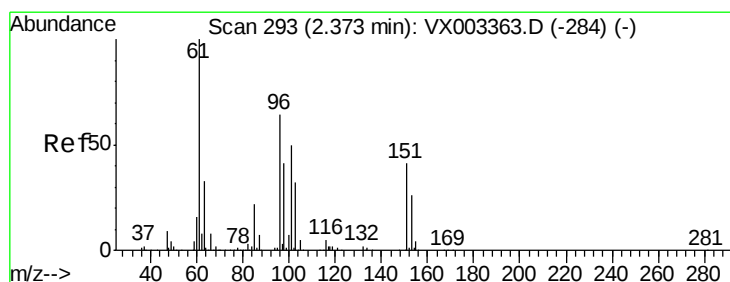
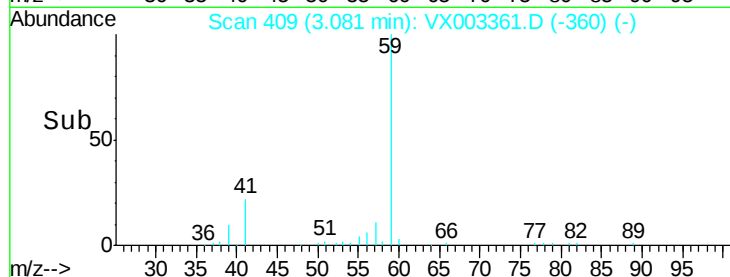
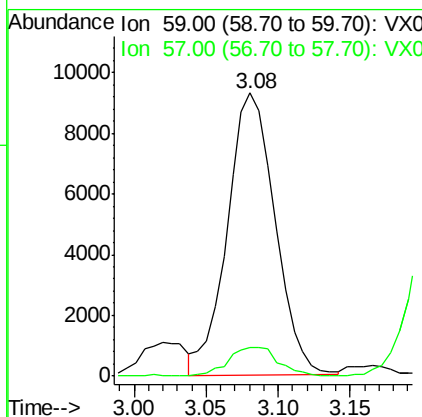
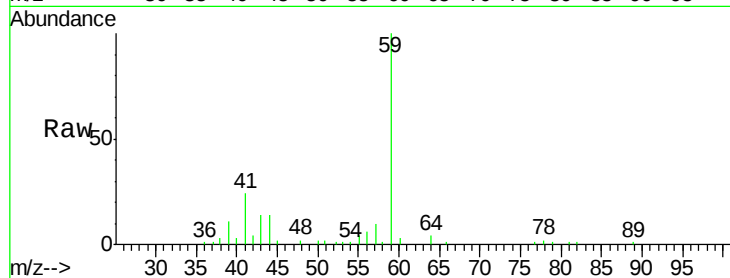
Tert butyl alcohol
Concen: 29.00 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	59.00	Resp	21334
Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.2	12.2

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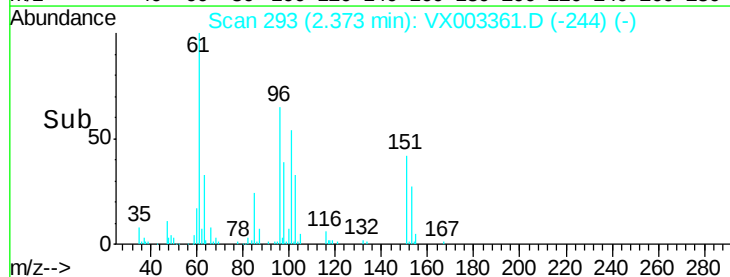
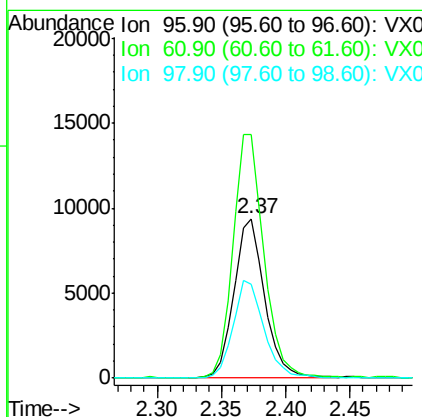
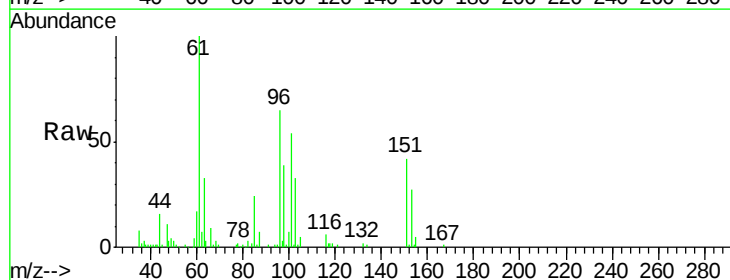
MMDadoda
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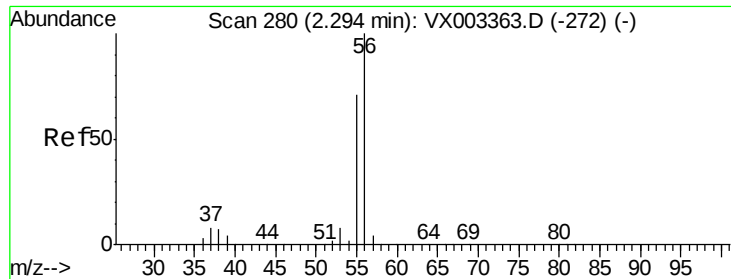


#12

1,1-Dichloroethene
Concen: 5.35 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Tgt Ion	96	Resp	15518
Ion	Ratio	Lower	Upper
96	100		
61	152.7	137.9	206.9
98	59.2	51.6	77.4





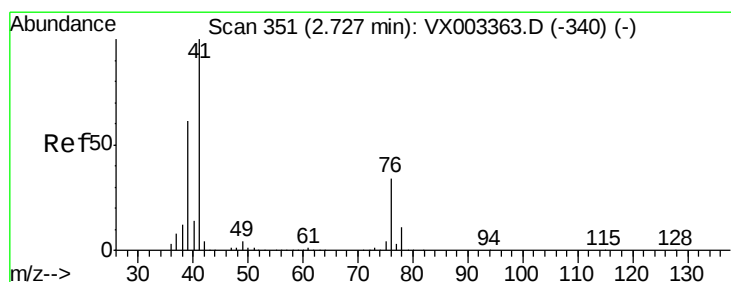
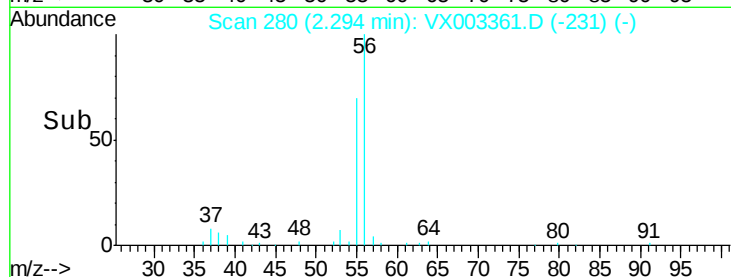
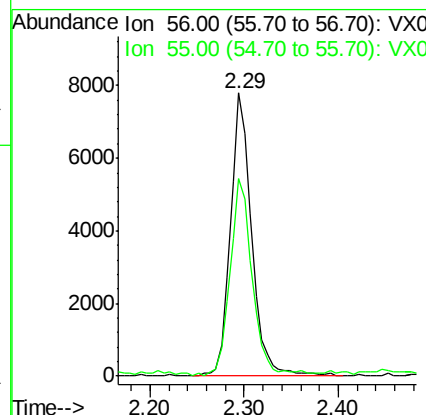
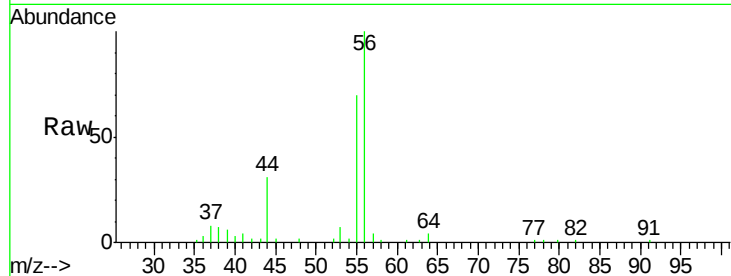
#13
Acrolein
Concen: 20.56 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	56	Resp	12188
Ion Ratio	100	Lower	Upper
55	74.1	57.0	85.4

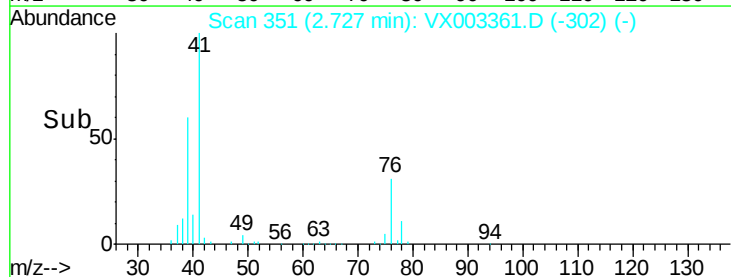
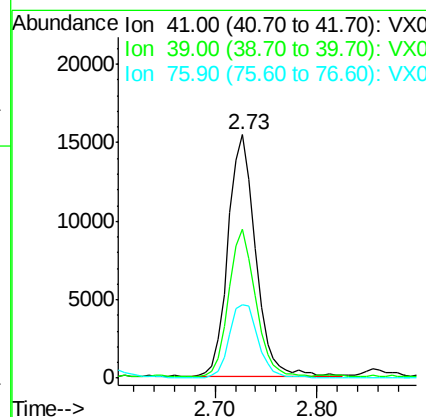
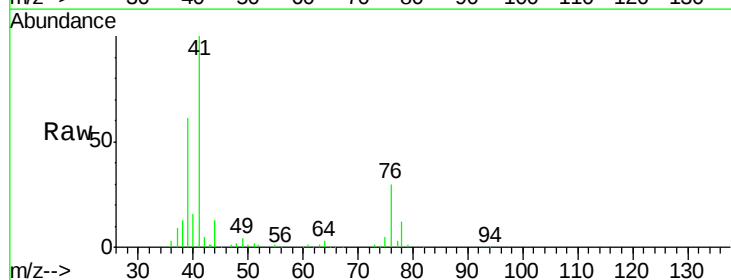
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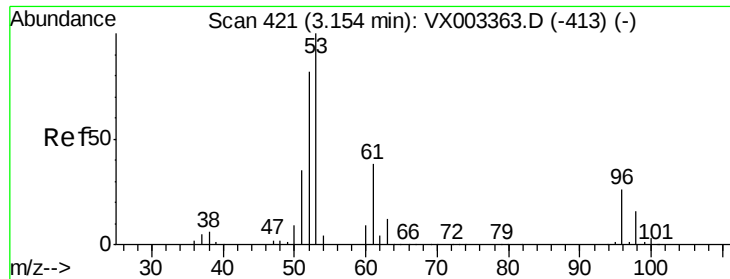
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#14
Allyl chloride
Concen: 5.41 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Tgt Ion	41	Resp	29038
Ion Ratio	100	Lower	Upper
39	58.9	56.8	85.2
76	32.0	23.8	35.8





#15

Acrylonitrile

Concen: 30.84 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Instrument :

MSVOA_X

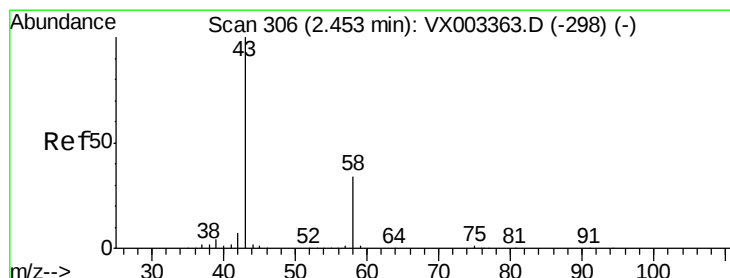
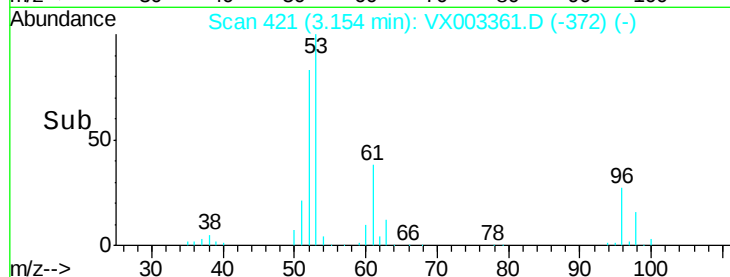
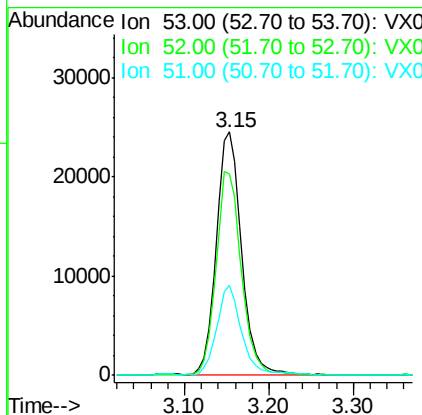
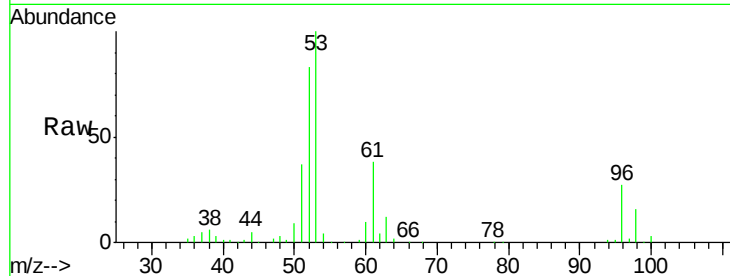
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	50662
Ion	Ratio	Lower	Upper
53	100		
52	84.7	66.7	100.1
51	36.2	29.9	44.9

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#16

Acetone

Concen: 27.96 ug/l

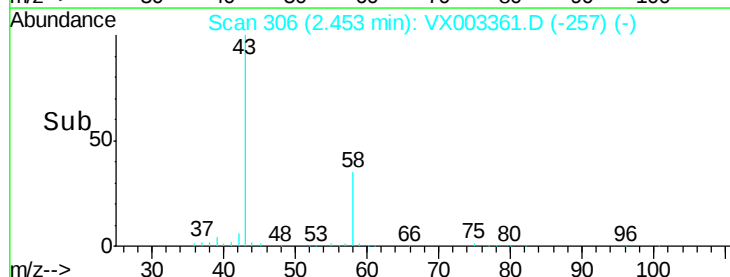
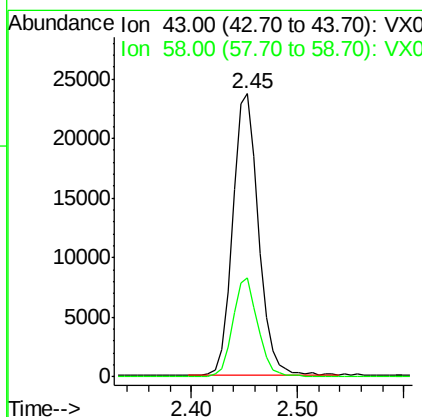
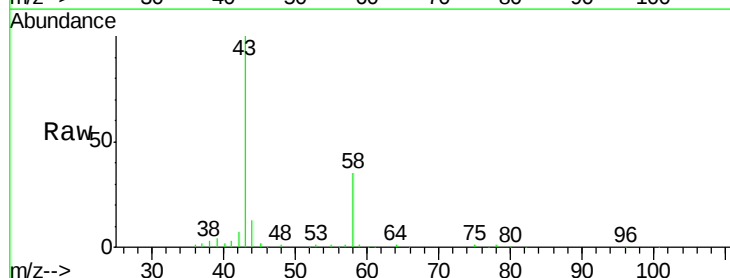
RT: 2.45 min Scan# 306

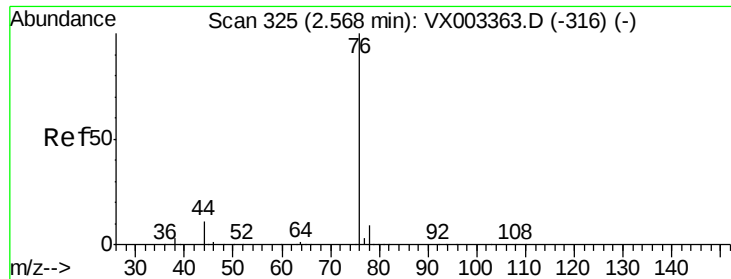
Delta R.T. 0.00 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Tgt Ion:	43	Resp:	40285
Ion	Ratio	Lower	Upper
43	100		
58	35.4	22.1	33.1#





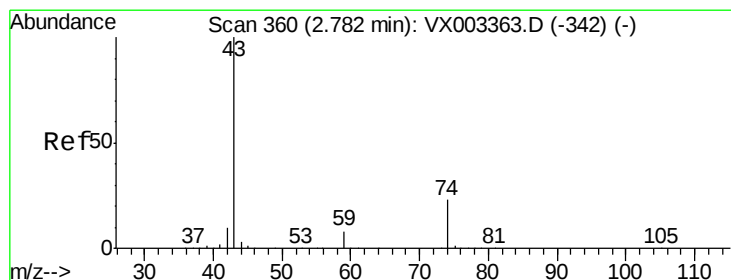
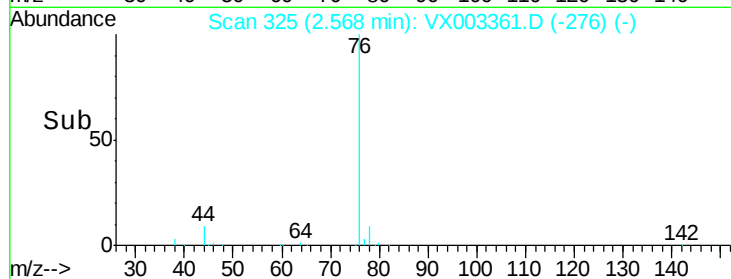
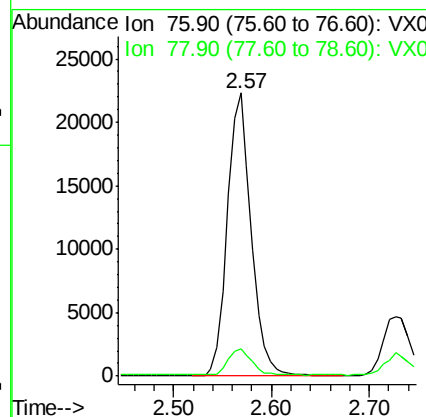
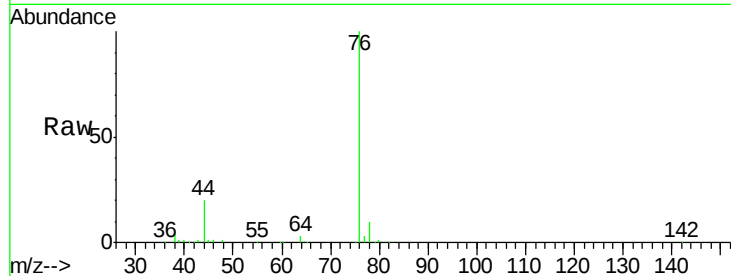
#17
Carbon Disulfide
Concen: 4.69 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.9	10.3

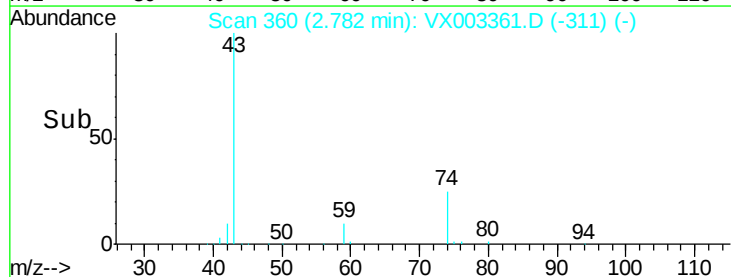
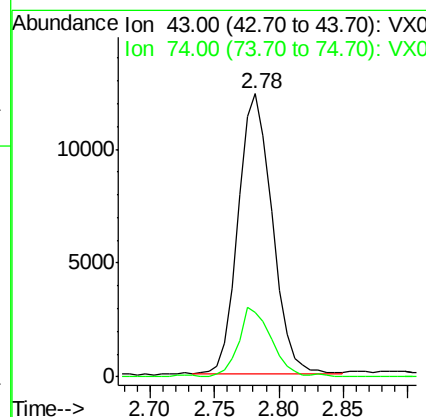
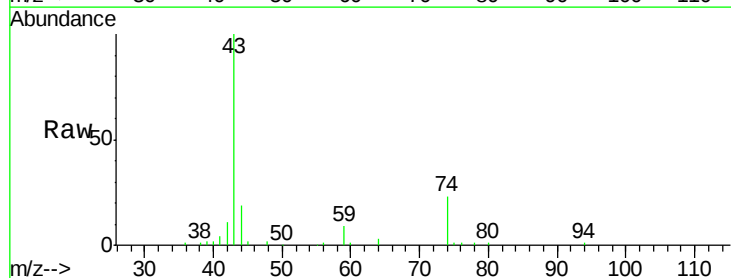
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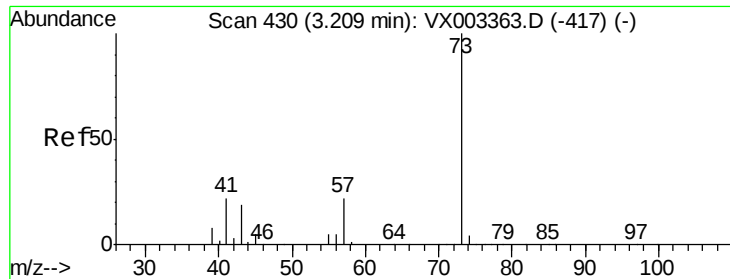
MMDadoda
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#18
Methyl Acetate
Concen: 5.57 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	16.7	25.1





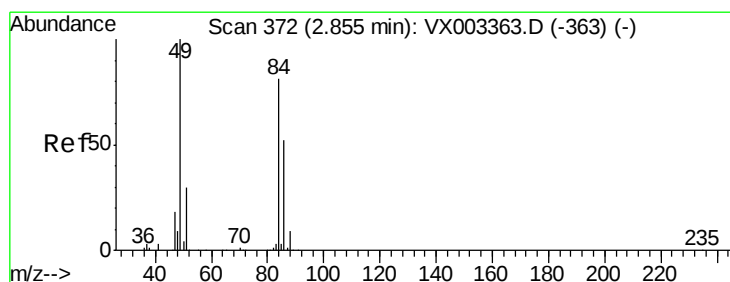
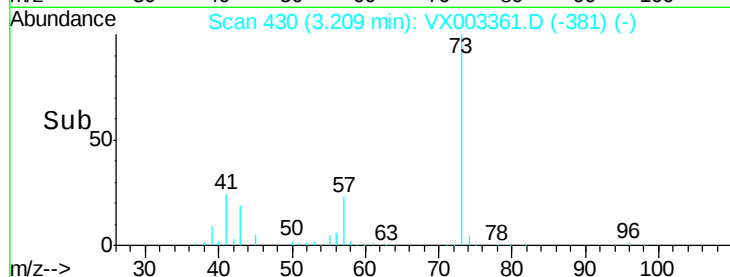
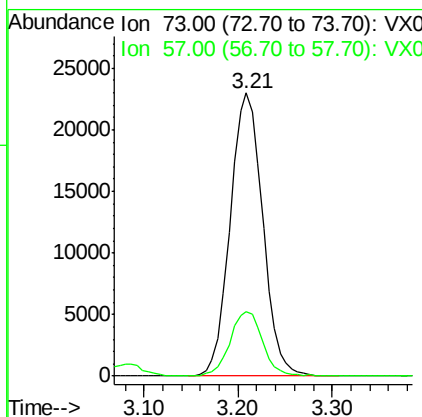
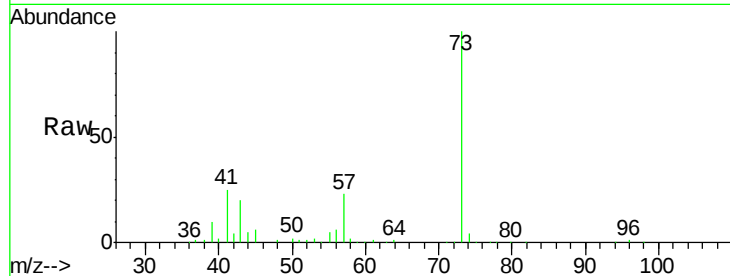
#19
Methvl tert-butvl Ether
Concen: 5.71 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 55252
Ion Ratio Lower Upper
73 100
57 22.9 17.7 26.5

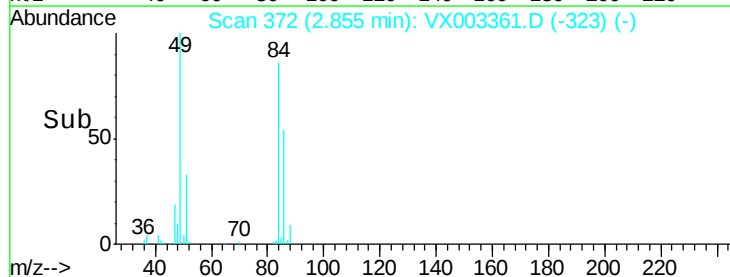
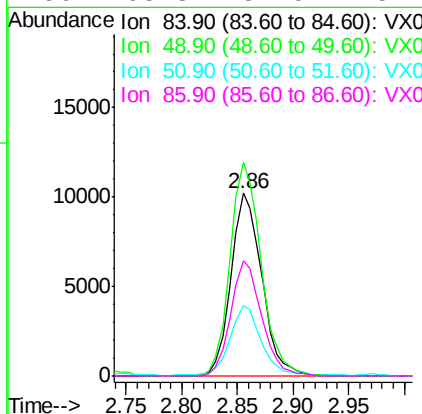
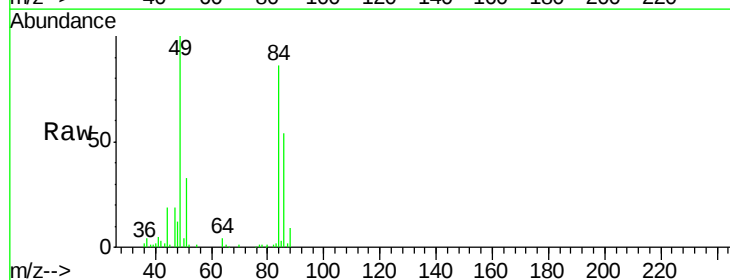
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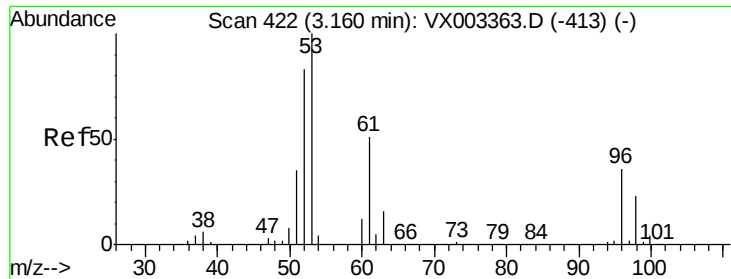
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#20
Methylene Chloride
Concen: 6.01 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Tgt Ion: 84 Resp: 19576
Ion Ratio Lower Upper
84 100
49 116.9 107.8 161.6
51 38.3 32.8 49.2
86 63.3 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 5.51 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Instrument :

MSVOA_X

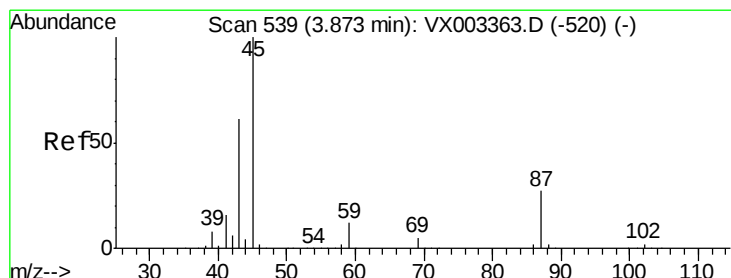
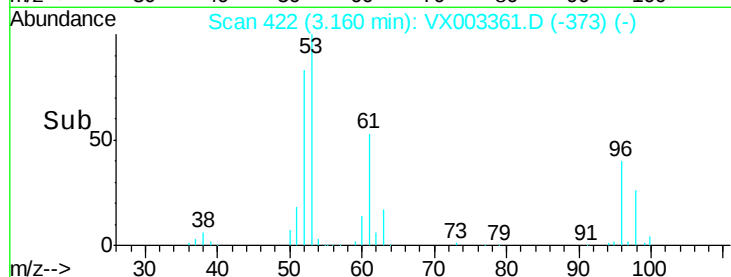
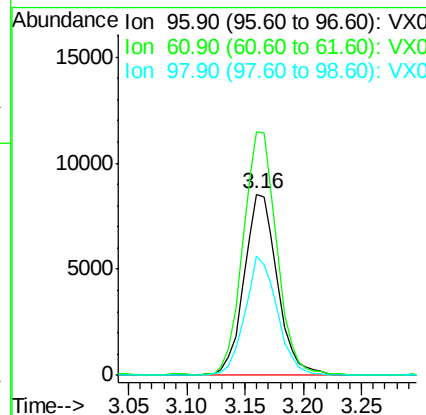
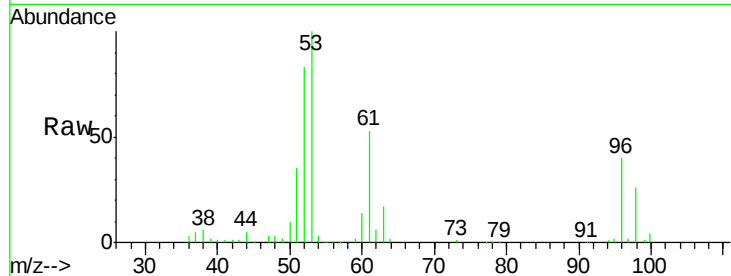
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	17012
Ion	Ratio	Lower	Upper
96	100		
61	134.2	117.0	175.4
98	66.1	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 4.88 ug/l

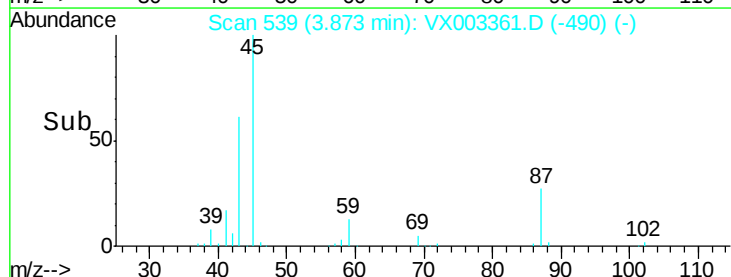
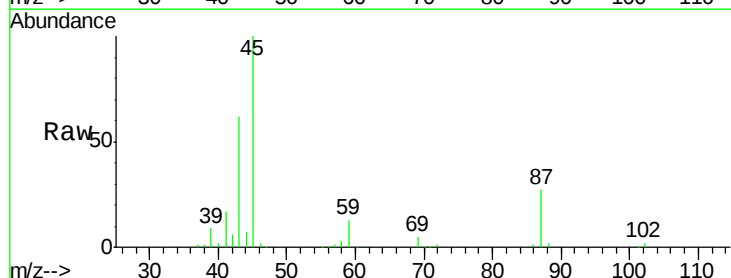
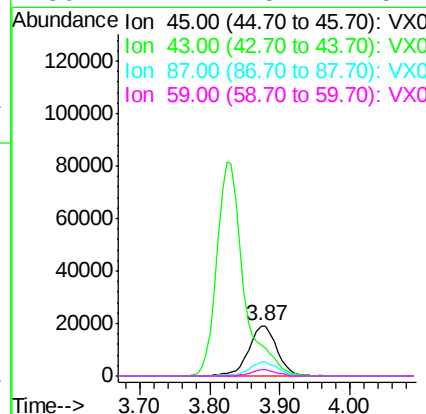
RT: 3.87 min Scan# 539

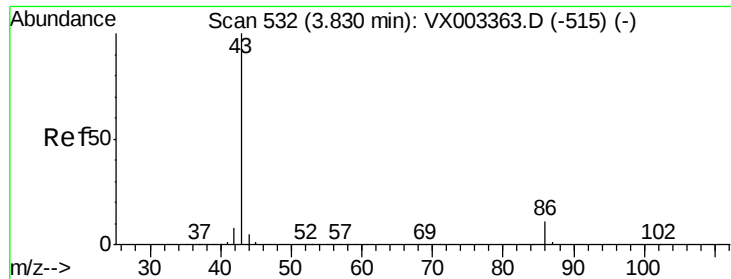
Delta R.T. 0.00 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Tgt Ion:	45	Resp:	53287
Ion	Ratio	Lower	Upper
45	100		
43	61.3	46.8	70.2
87	27.2	20.2	30.4
59	12.7	8.7	13.1





#23

Vinyl Acetate

Concen: 23.42 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 217136

Ion Ratio Lower Upper

43 100

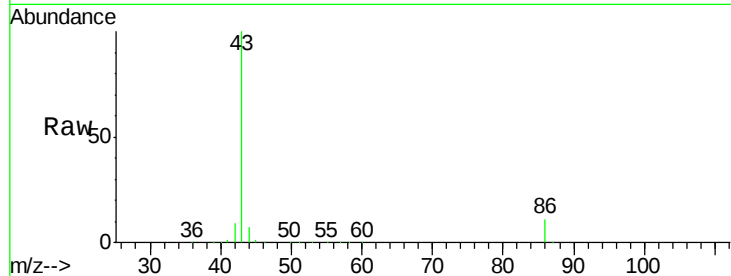
86 10.8 7.4 11.0

Manual Integrations

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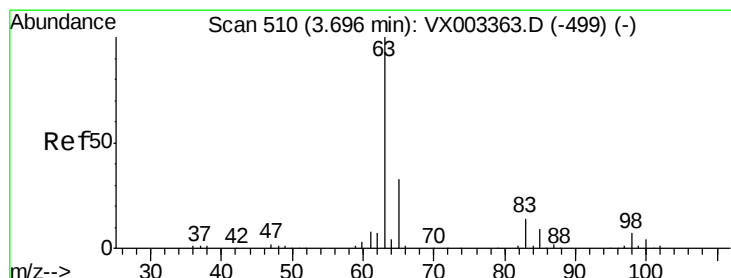
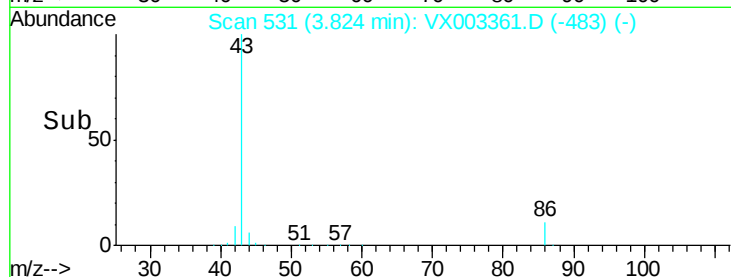
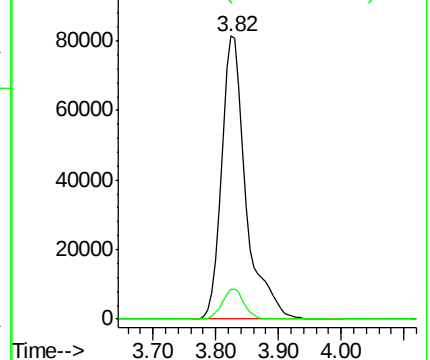
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 5.72 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

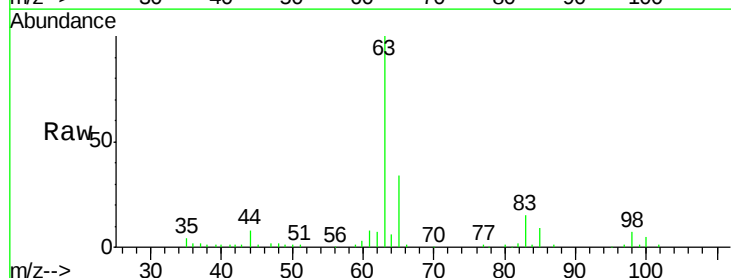
Tgt Ion: 63 Resp: 32508

Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.2

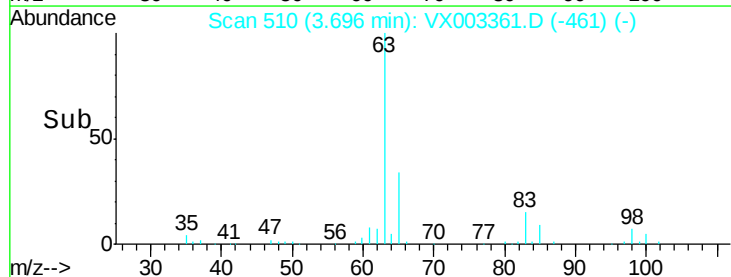
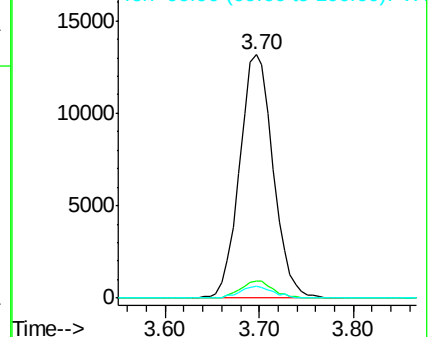
100 4.7 2.0 6.0

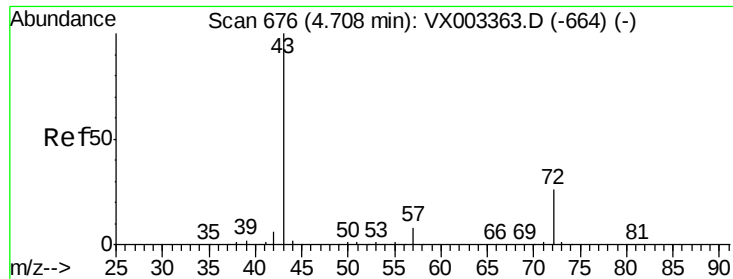


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 23.21 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 59177

Ion Ratio Lower Upper

43 100

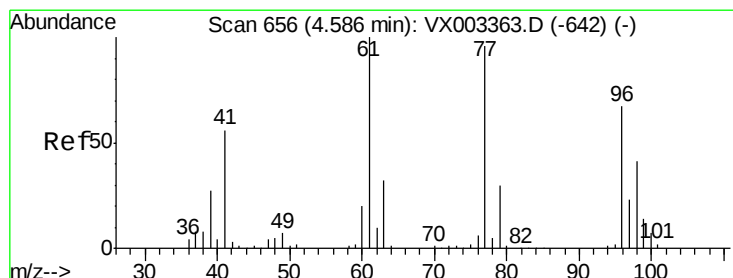
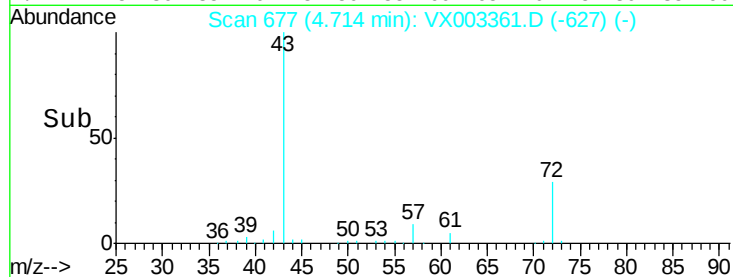
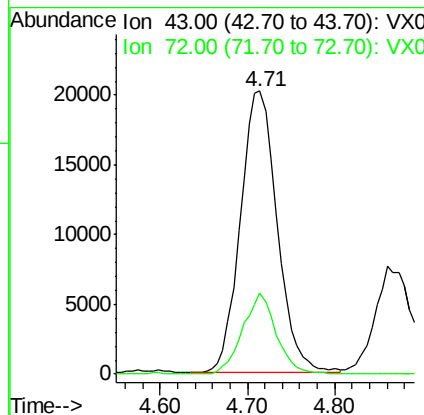
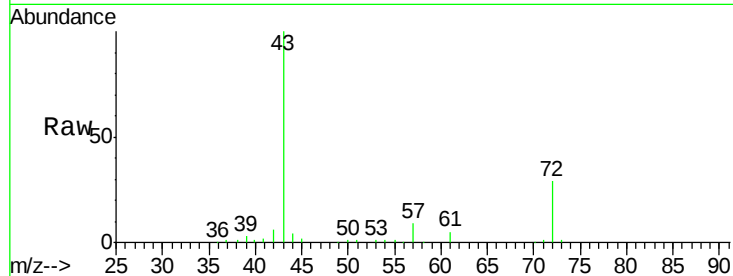
72 29.0 18.5 27.7#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 4.35 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003361.D

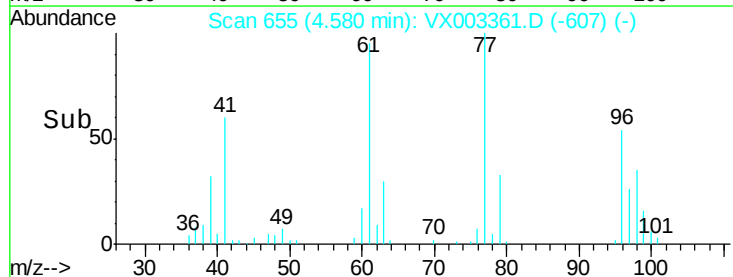
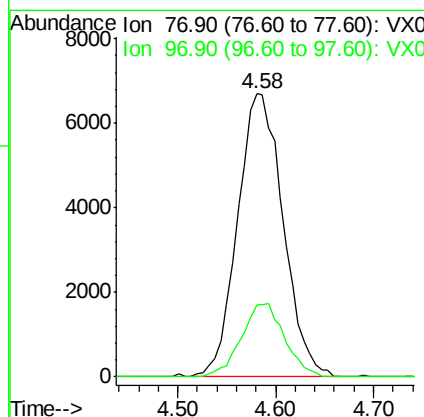
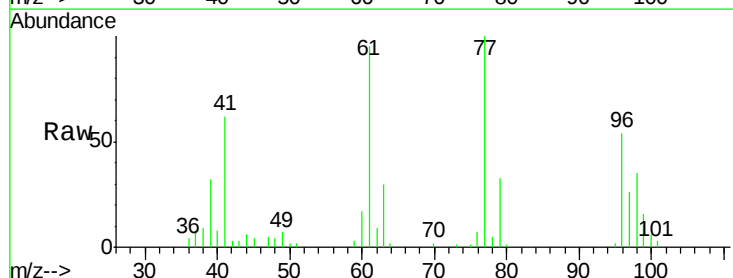
Acq: 13 Jul 2018 11:59

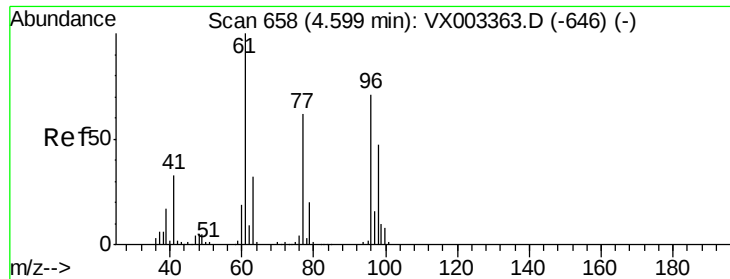
Tgt Ion: 77 Resp: 21618

Ion Ratio Lower Upper

77 100

97 24.6 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 4.66 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Instrument :

MSVOA_X

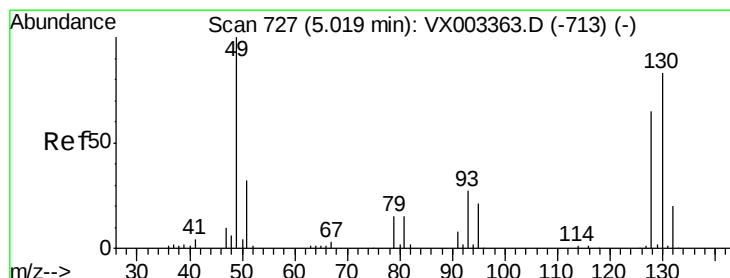
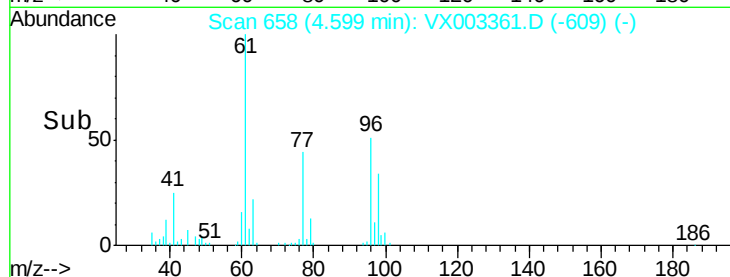
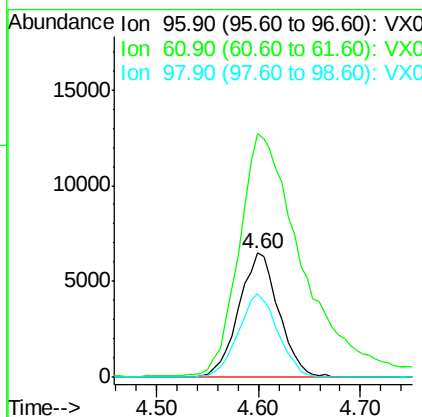
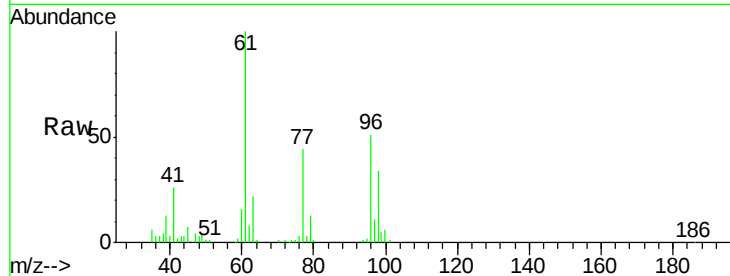
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	17694
Ion	Ratio	Lower	Upper
96	100		
61	314.1	0.0	330.2
98	66.6	0.0	130.2

Manual Integrations
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7/16/2018 11:24:39 AM



#28

Bromochloromethane

Concen: 4.74 ug/l

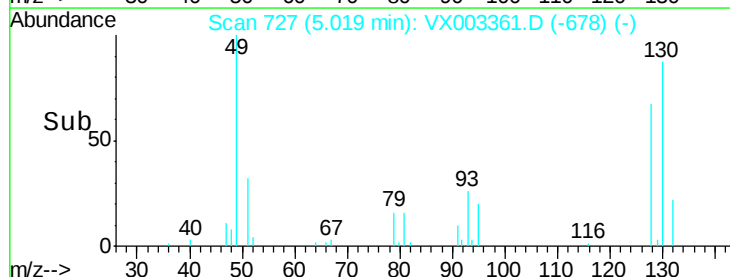
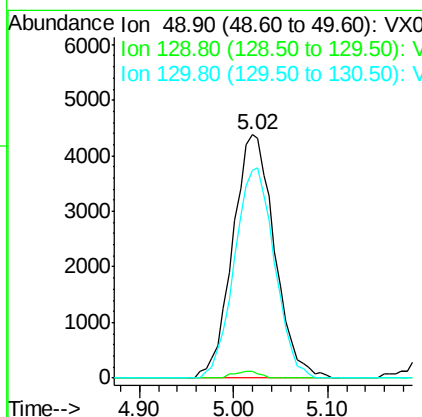
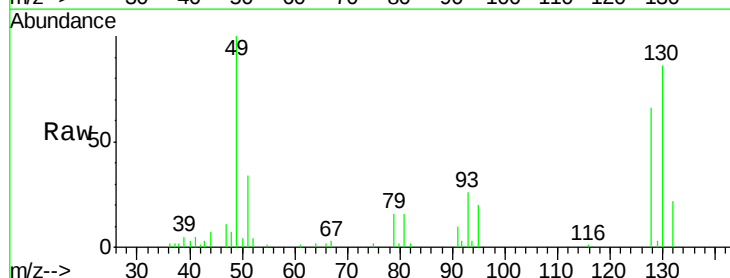
RT: 5.02 min Scan# 727

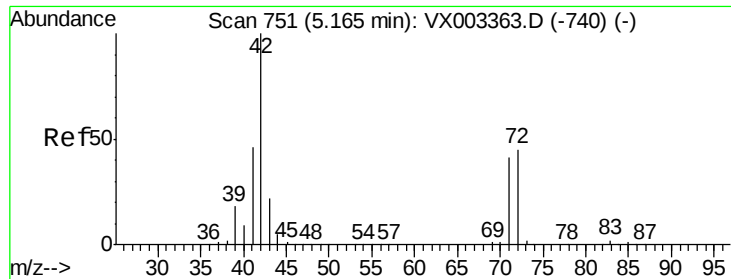
Delta R.T. 0.00 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Tgt Ion:	49	Resp:	13562
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.2
130	82.9	61.2	91.8





#29

Tetrahydrofuran

Concen: 21.93 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Instrument :

MSVOA_X

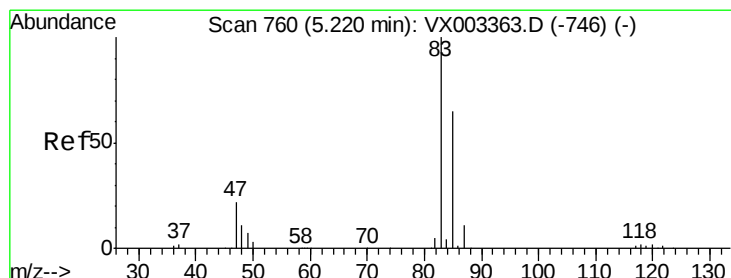
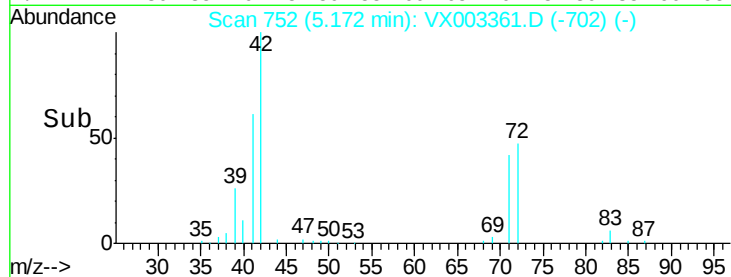
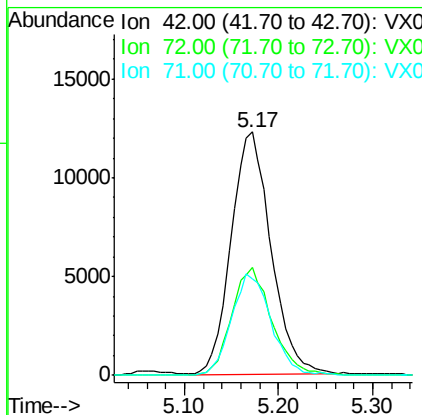
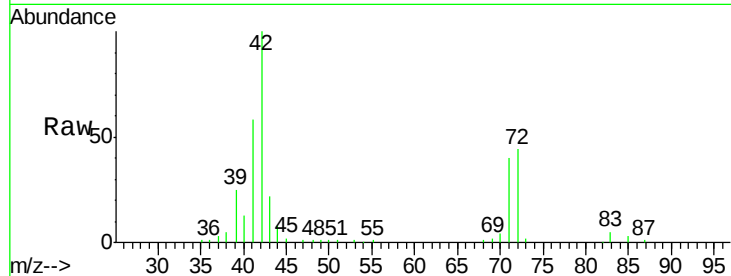
ClientSampleId :

VSTDIC005

Tot Ion:	42	Resp:	36282
Ion	Ratio	Lower	Upper
42	100		
72	44.6	32.0	48.0
71	41.6	30.1	45.1

Manual Integrations
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#30

Chloroform

Concen: 4.53 ug/l

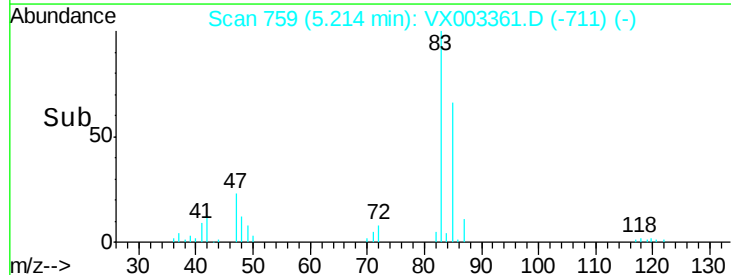
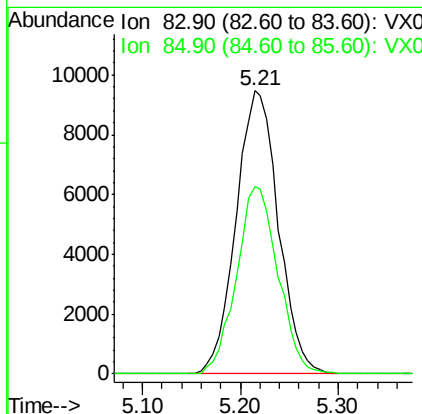
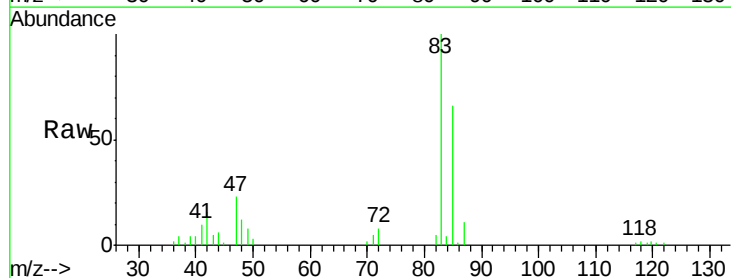
RT: 5.21 min Scan# 759

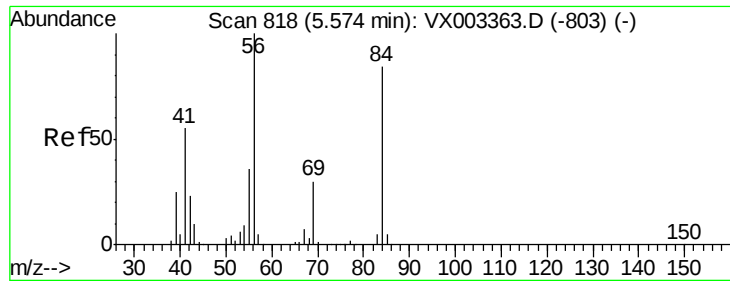
Delta R.T. -0.01 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Tgt Ion:	83	Resp:	28341
Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.4	75.6





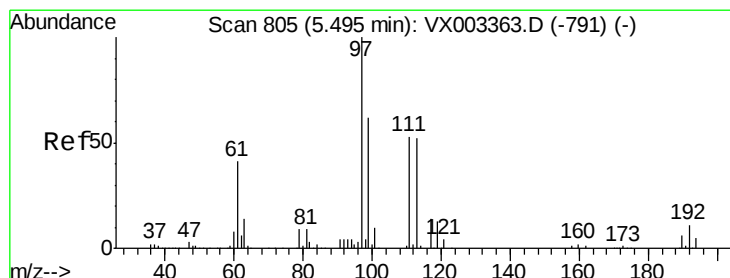
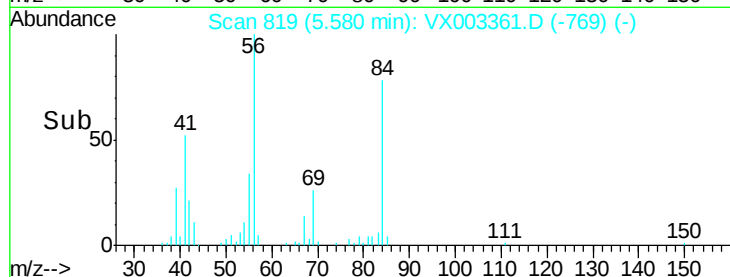
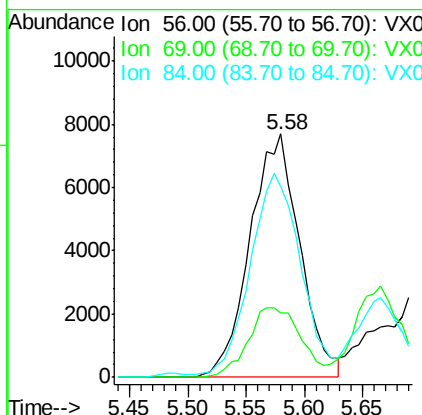
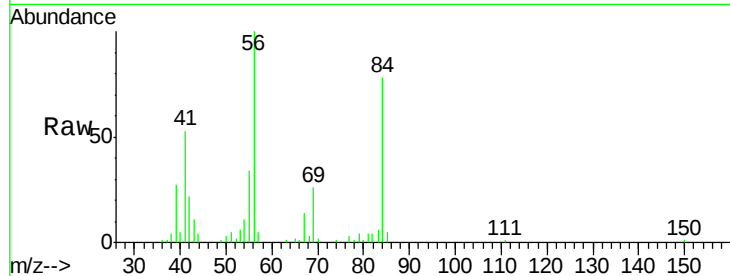
#31
Cyclohexane
Concen: 4.29 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	26.3	23.7	35.5
84	76.9	64.1	96.1

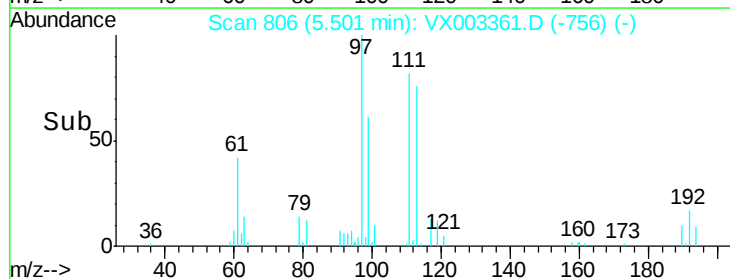
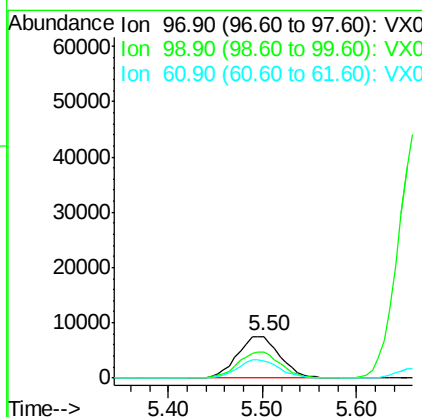
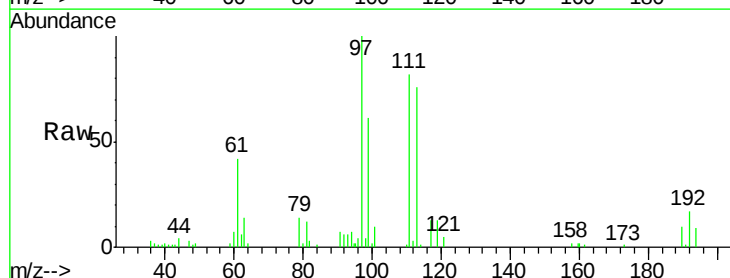
Manual Integrations
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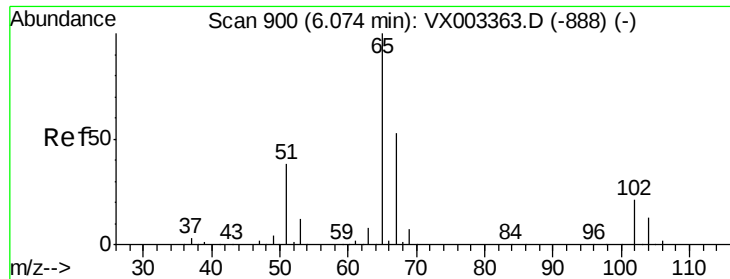
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7/16/2018 11:24:39 AM



#32
1,1,1-Trichloroethane
Concen: 4.30 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.6	77.4
61	44.1	36.4	54.6





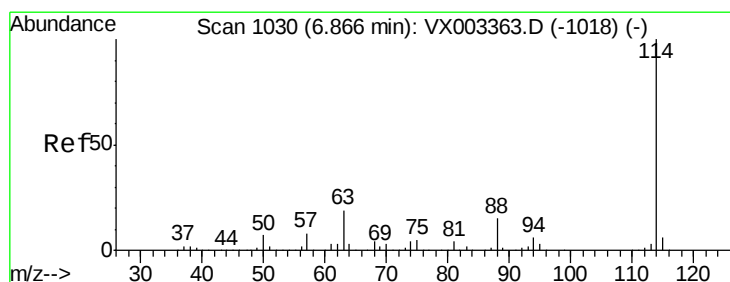
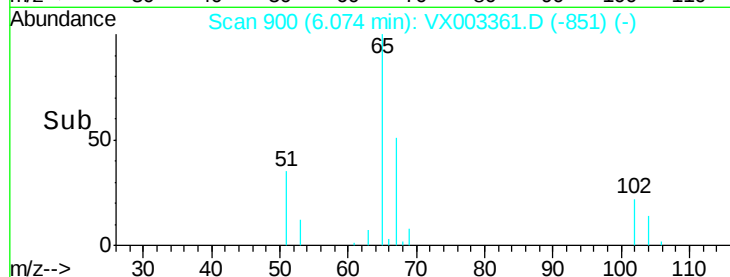
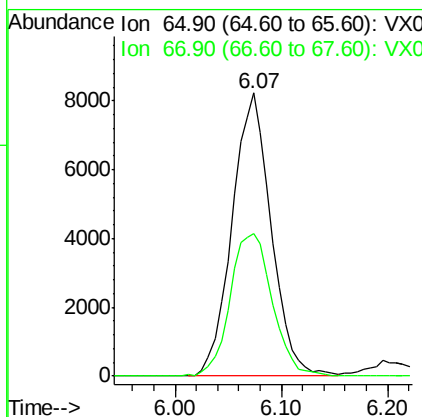
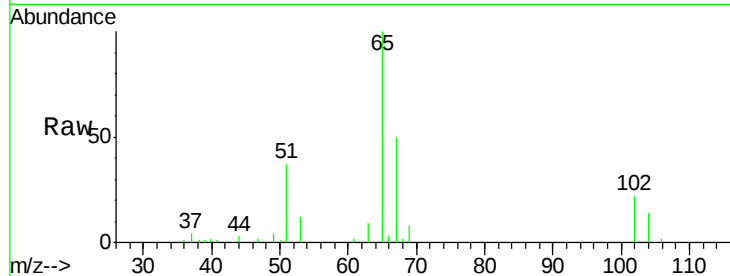
#33
 1,2-Dichloroethane-d4
 Concen: 5.22 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003361.D
 Acq: 13 Jul 2018 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 65 Resp: 21177
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 102.6

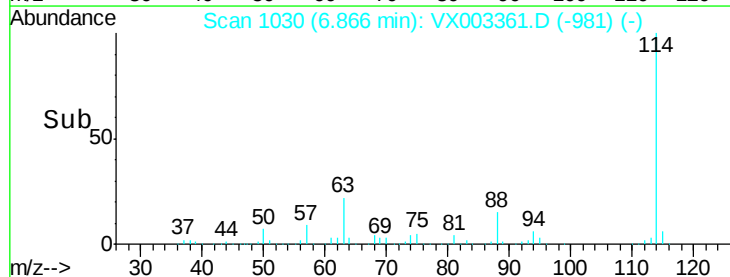
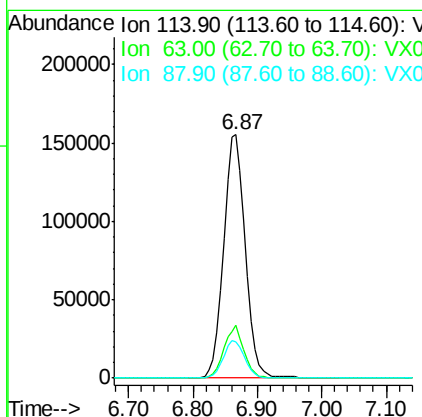
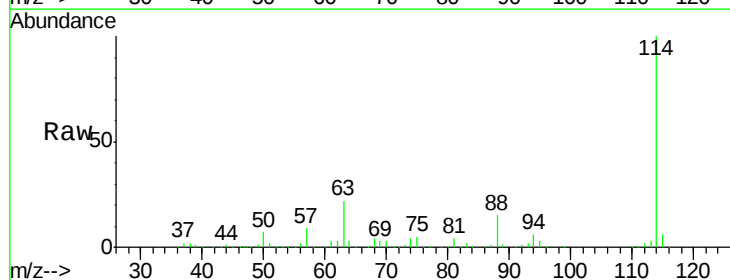
Manual Integrations
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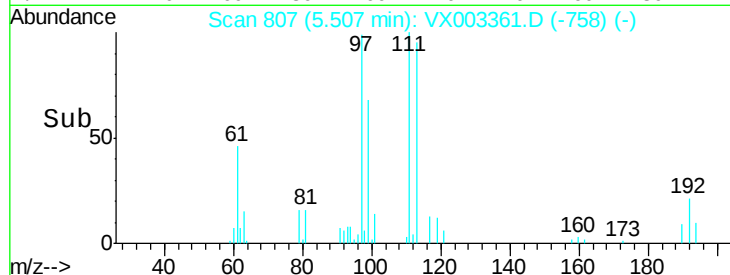
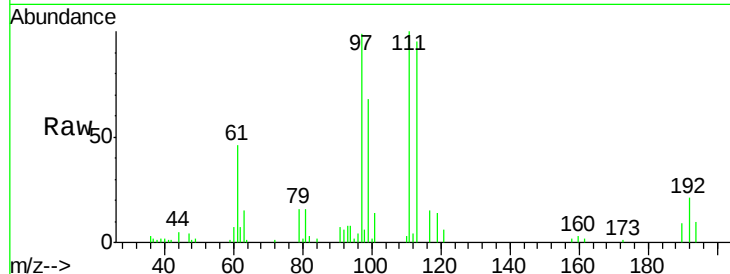
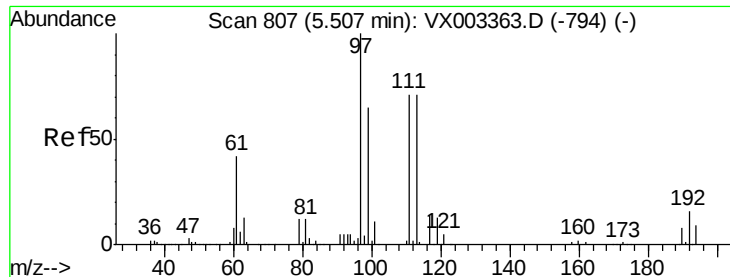
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003361.D
 Acq: 13 Jul 2018 11:59

Tgt Ion: 114 Resp: 369059
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 41.4
 88 14.9 0.0 30.0





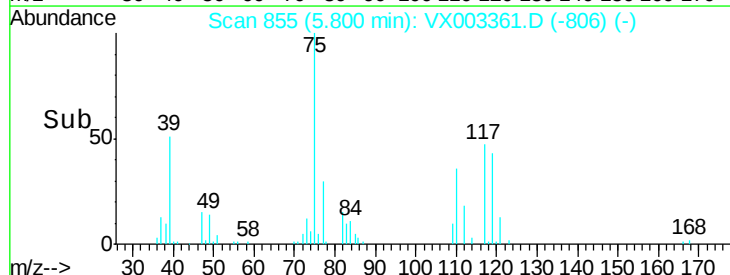
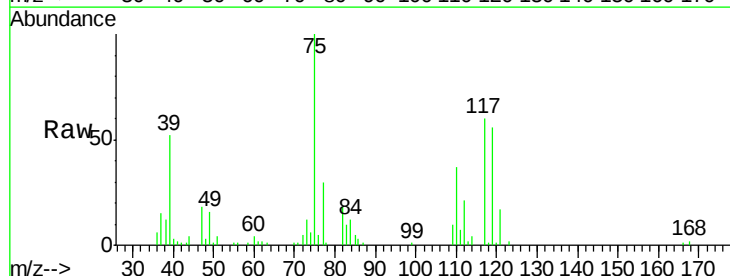
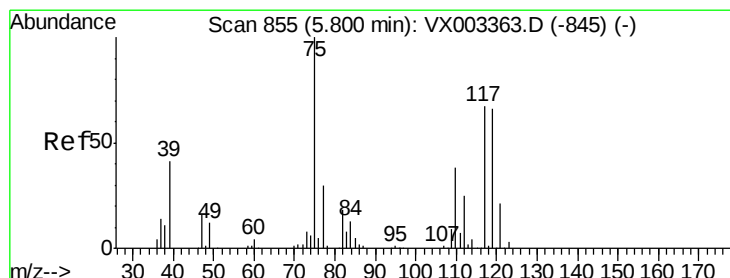
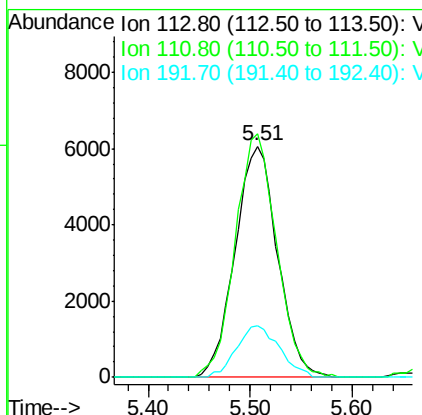
#35
Dibromofluoromethane
Concen: 4.41 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Tot Ion	Ratio	Resp	Lower	Upper
113	100	17499		
111	103.0	81.4	122.0	
192	22.5	19.1	28.7	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

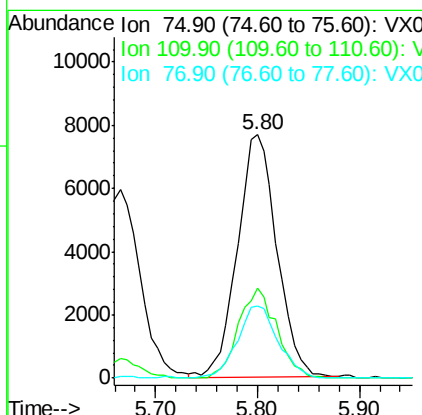
Manual Integrations
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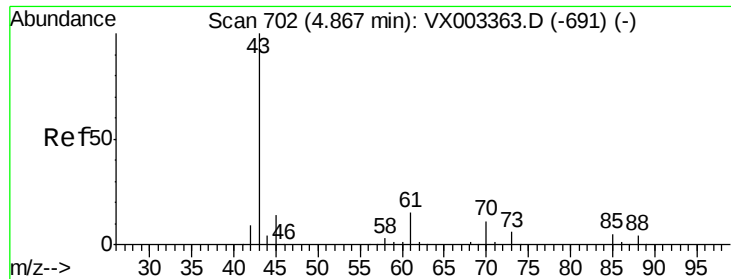
MMDadoda
7/16/2018 11:24:39 AM



#36
1,1-Dichloropropene
Concen: 3.93 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20515		
110	36.1	18.1	54.4	
77	30.9	24.3	36.5	





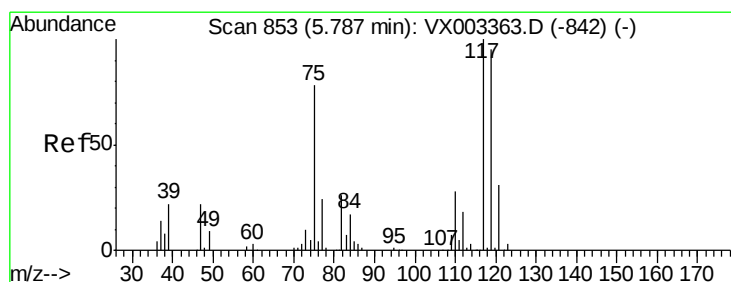
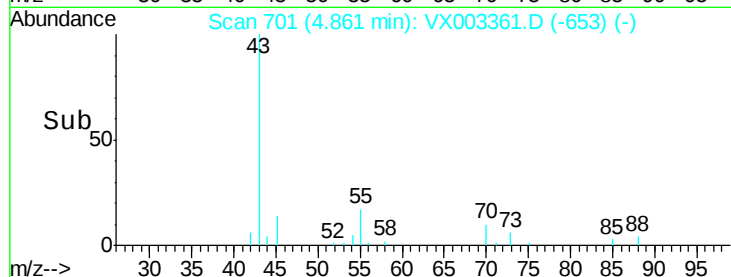
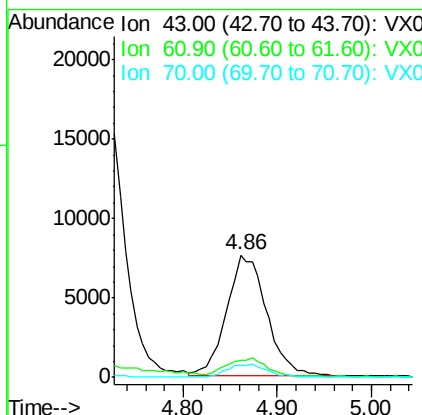
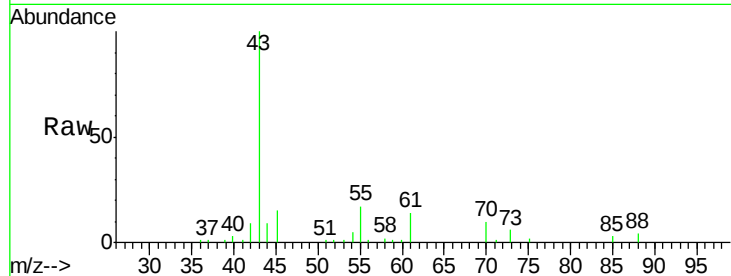
#37
Ethyl Acetate
Concen: 3.98 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.4	15.6
70	10.5	7.6	11.4

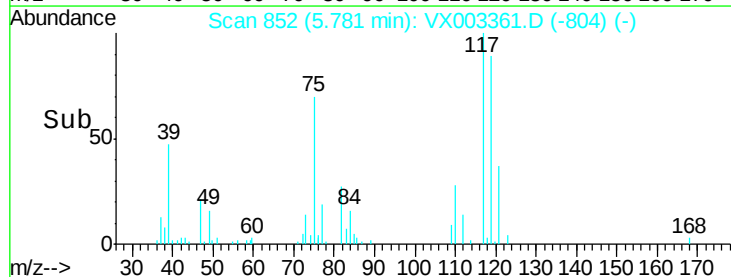
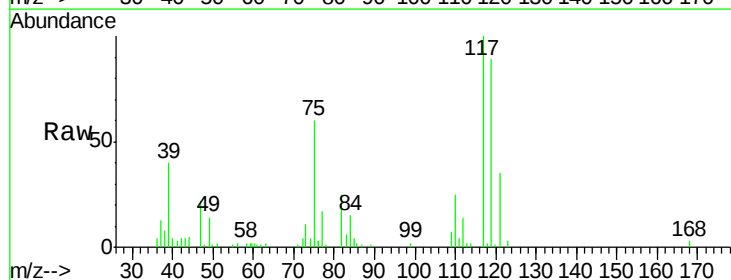
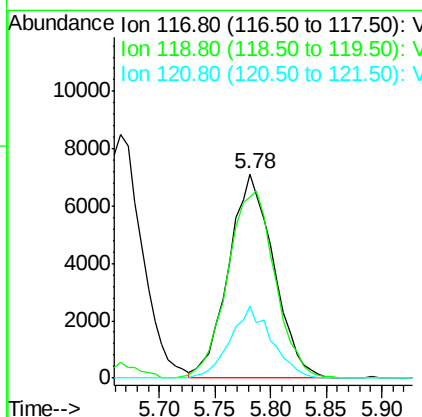
Manual Integrations
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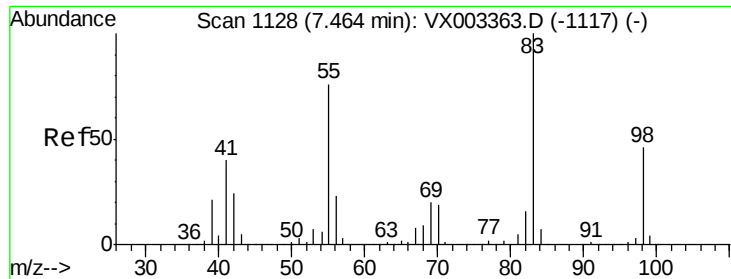
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#38
Carbon Tetrachloride
Concen: 3.51 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.0	77.4	116.0
121	35.2	24.4	36.6





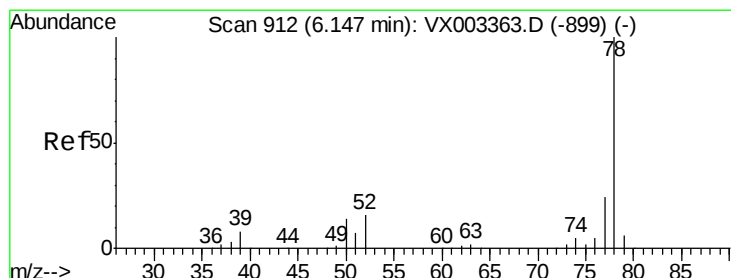
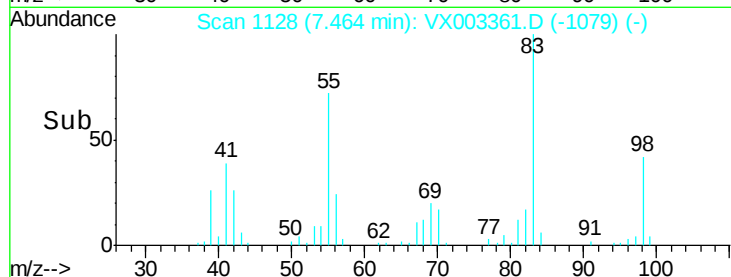
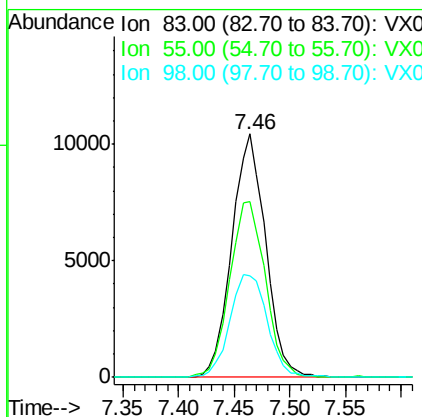
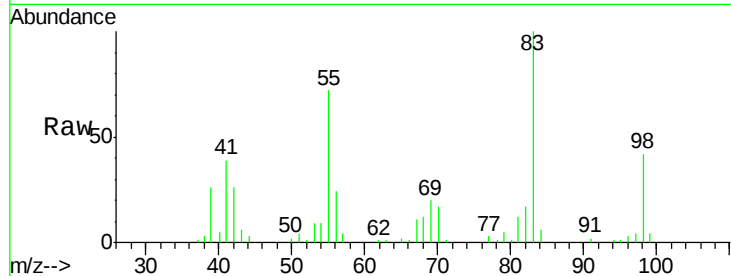
#39
Methvlcvclohexane
Concen: 3.57 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.1	65.4	98.0
98	41.8	37.4	56.0

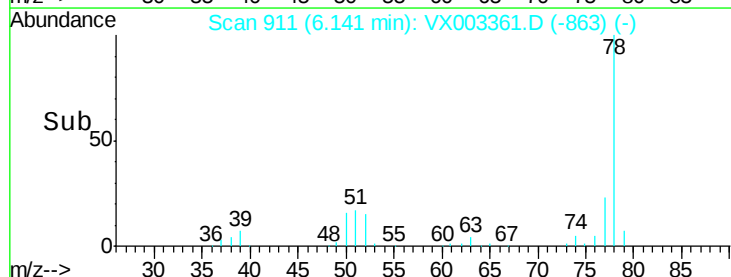
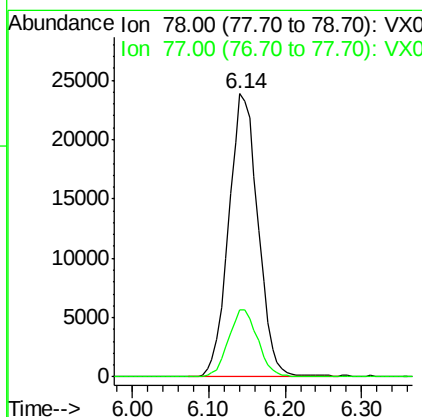
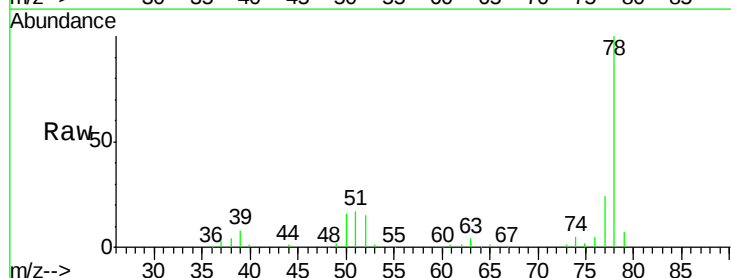
Manual Integrations
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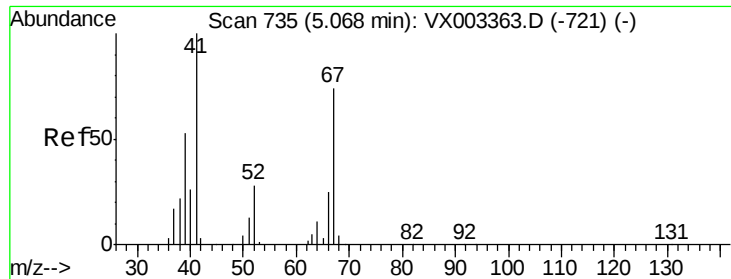
MMDadoda
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#40
Benzene
Concen: 4.10 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7





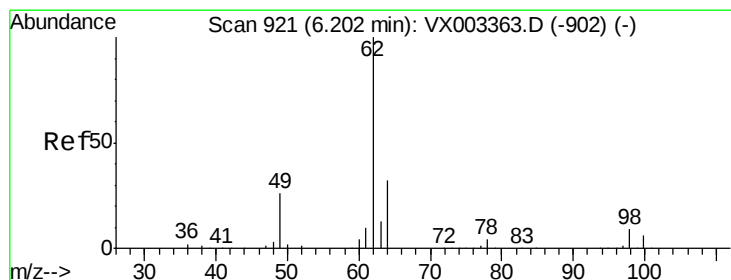
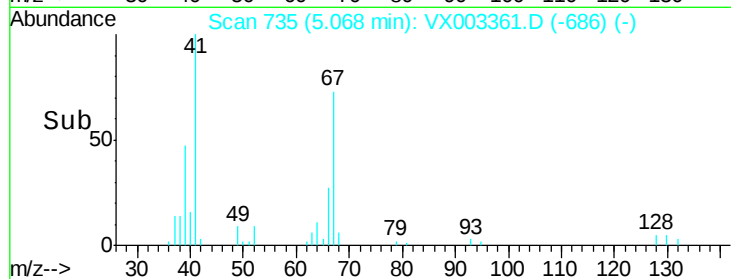
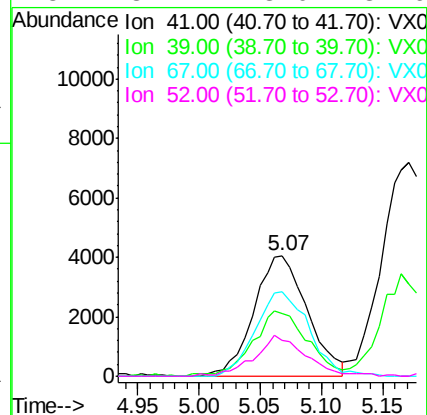
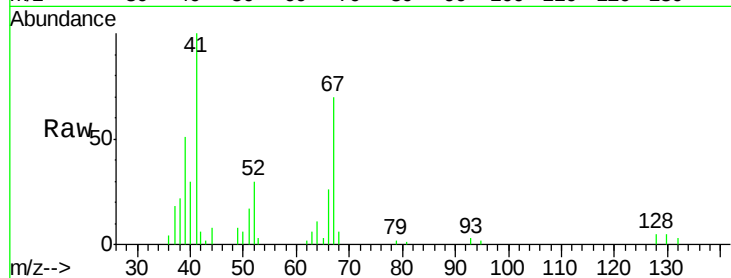
#41
Methacrylonitrile
Concen: 3.93 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.6	45.8	68.6	
67	71.0	51.3	76.9	
52	32.2	23.0	34.6	

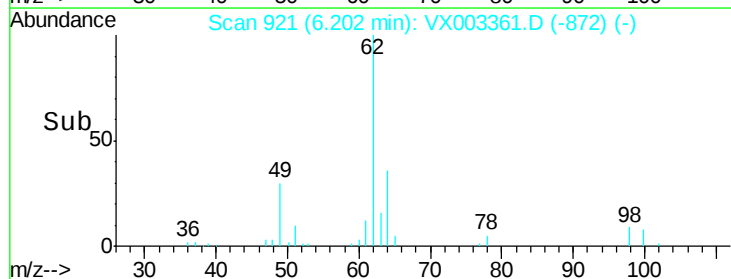
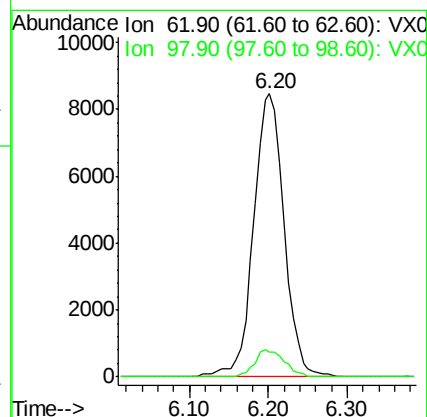
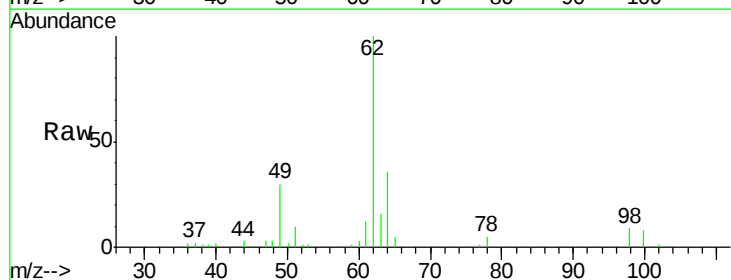
Manual Integrations
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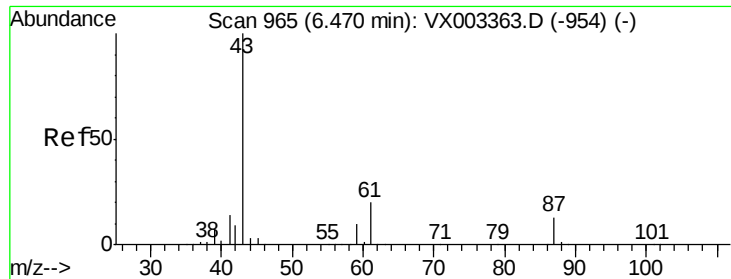
MMDadoda
7/16/2018 11:24:39 AM



#42
1,2-Dichloroethane
Concen: 3.92 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	16.6	





#43

Isopropyl Acetate

Concen: 3.77 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Instrument :

MSVOA_X

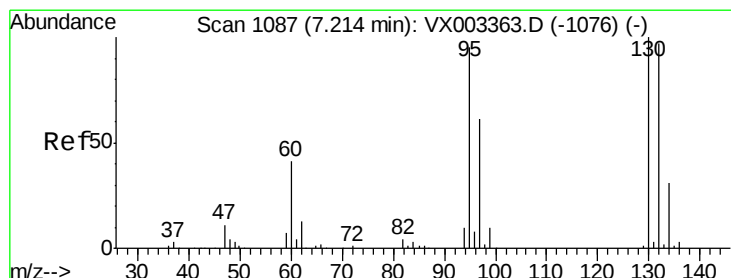
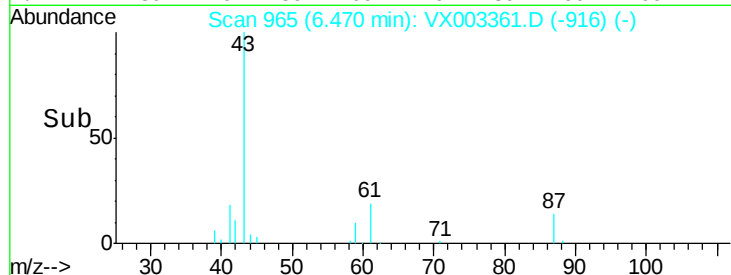
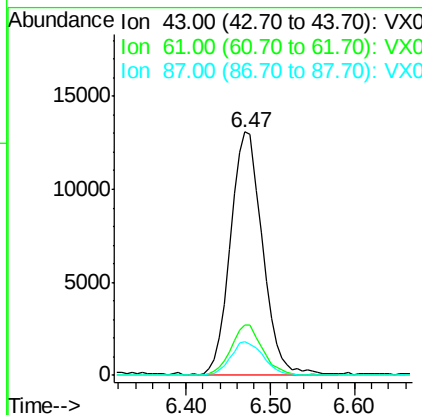
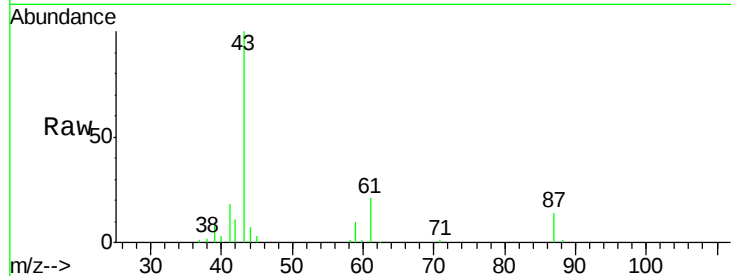
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	33877
Ion	Ratio	Lower	Upper
43	100		
61	20.1	14.4	21.6
87	13.9	9.5	14.3

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#44

Trichloroethene

Concen: 3.83 ug/l

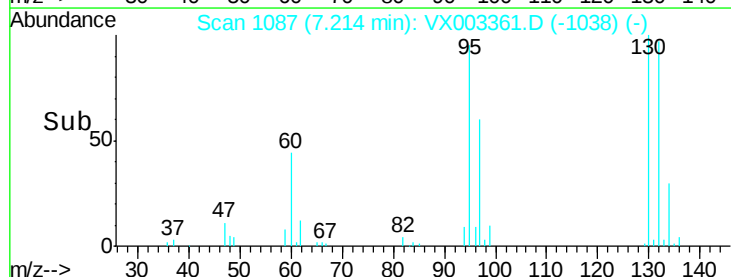
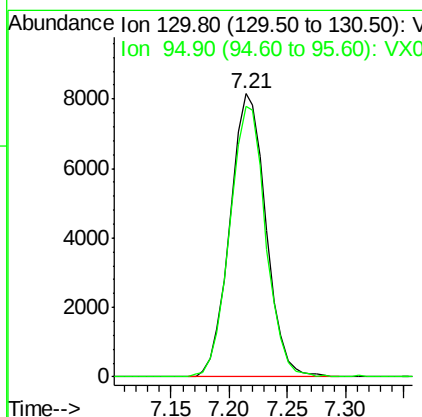
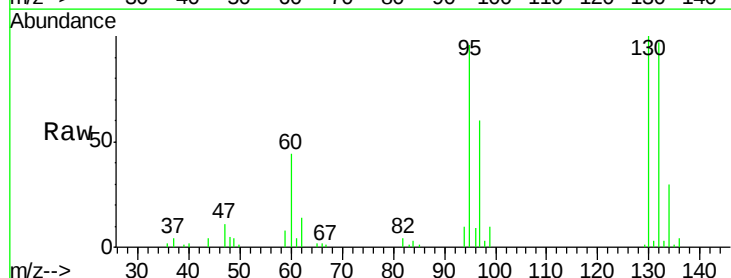
RT: 7.21 min Scan# 1087

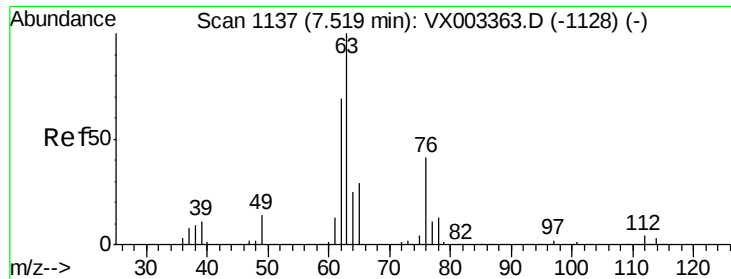
Delta R.T. 0.00 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Tgt Ion:	130	Resp:	17557
Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	185.4





#45

1,2-Dichloropropane

Concen: 4.13 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 16626

Ion Ratio Lower Upper

63 100

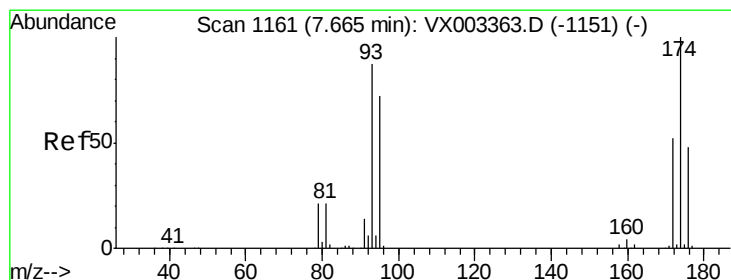
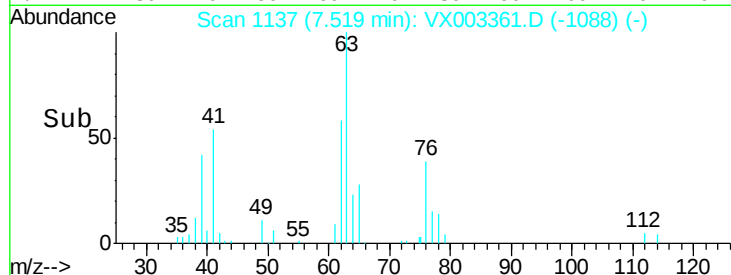
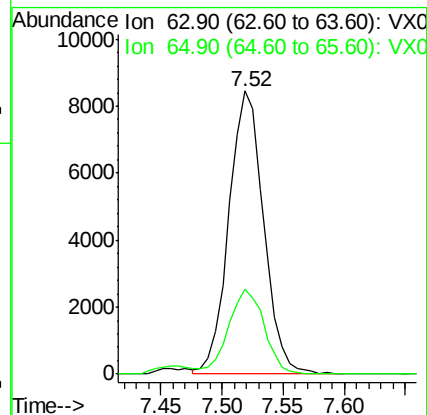
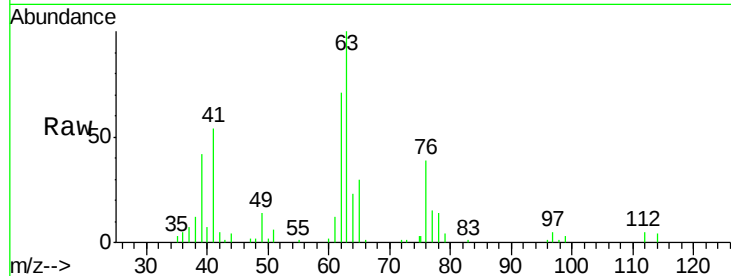
65 30.0 24.7 37.1

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#46

Dibromomethane

Concen: 3.96 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

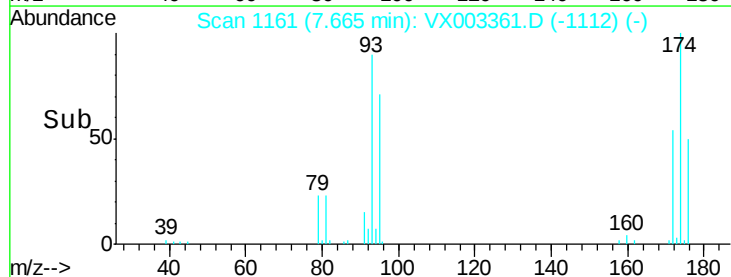
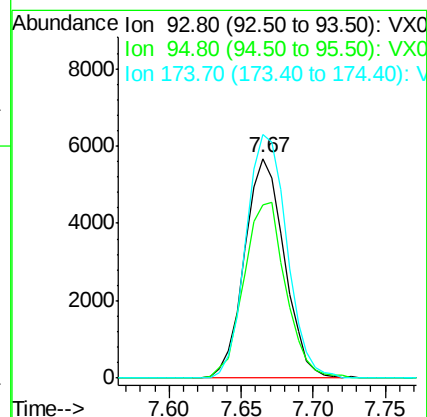
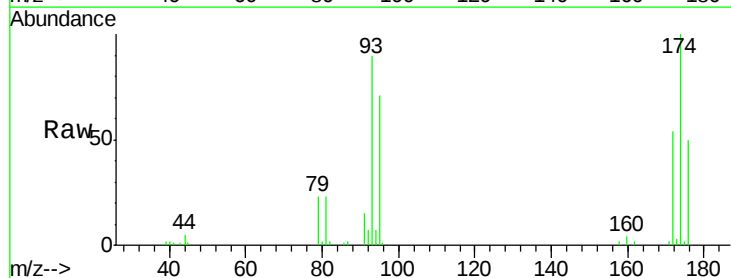
Tgt Ion: 93 Resp: 10877

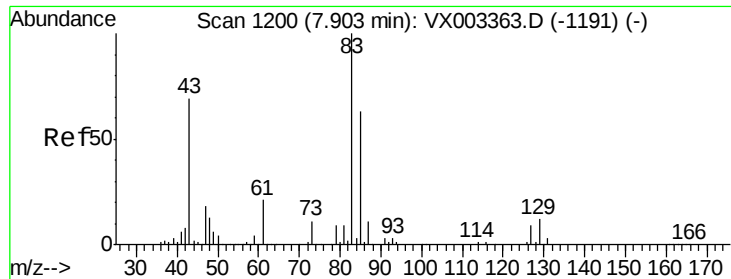
Ion Ratio Lower Upper

93 100

95 83.9 65.9 98.9

174 113.8 92.4 138.6





#47

Bromodichloromethane

Concen: 3.79 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Instrument :

MSVOA_X

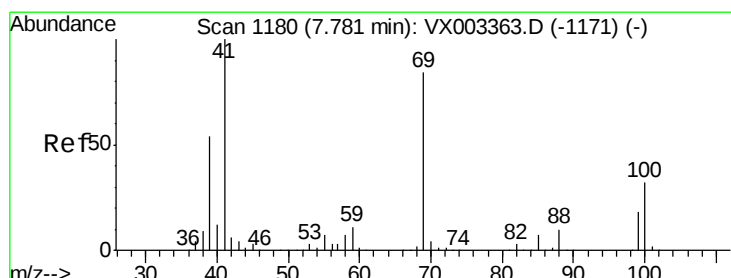
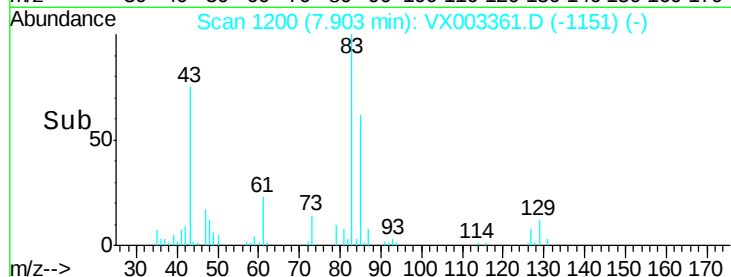
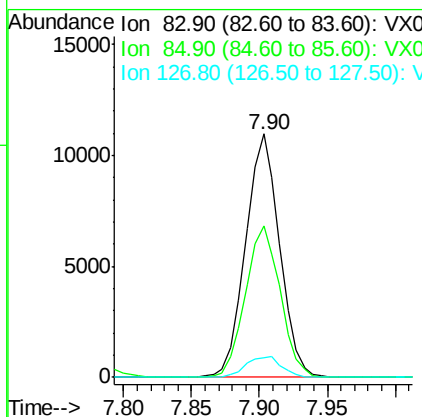
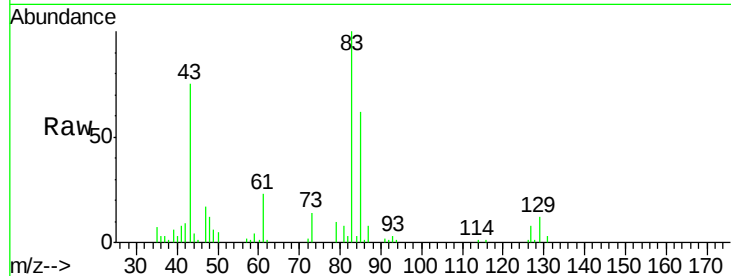
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	19203
Ion	Ratio	Lower	Upper
83	100		
85	62.2	50.3	75.5
127	8.0	7.0	10.4

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#48

Methyl methacrylate

Concen: 3.68 ug/l

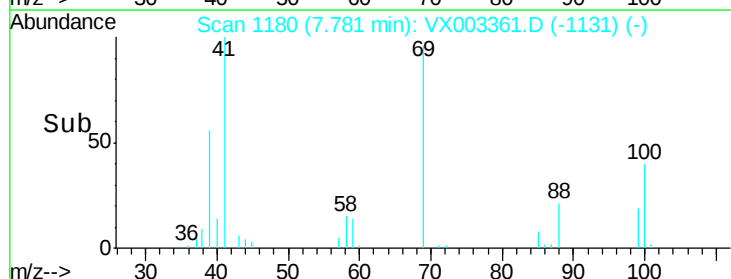
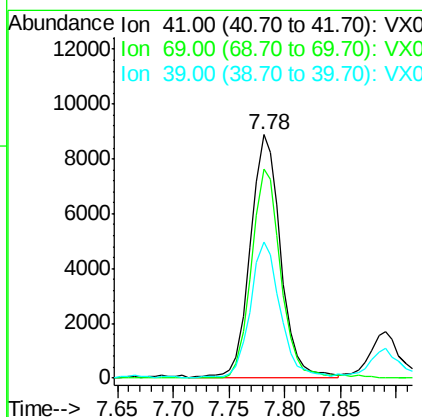
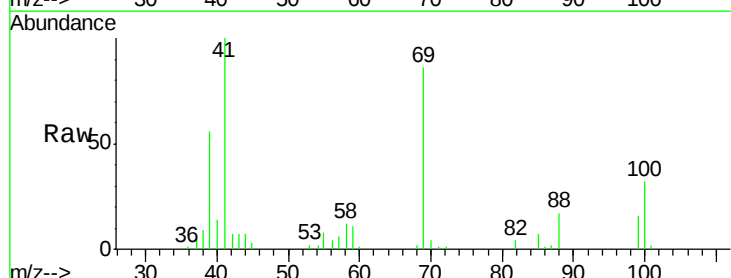
RT: 7.78 min Scan# 1180

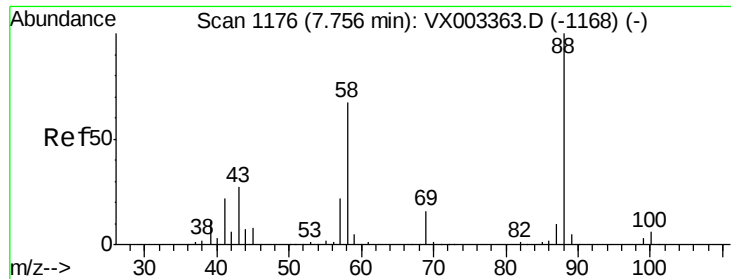
Delta R.T. 0.00 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Tgt Ion:	41	Resp:	16992
Ion	Ratio	Lower	Upper
41	100		
69	82.0	59.1	88.7
39	55.2	48.9	73.3





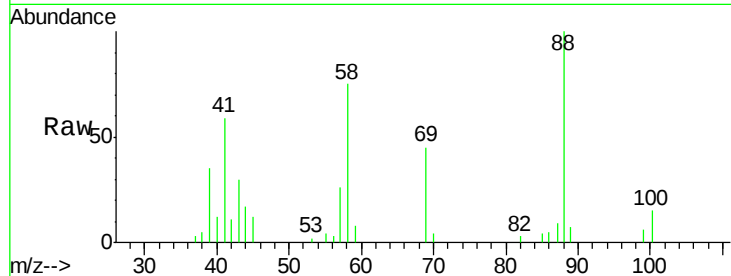
#49
1,4-Dioxane
Concen: 76.69 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

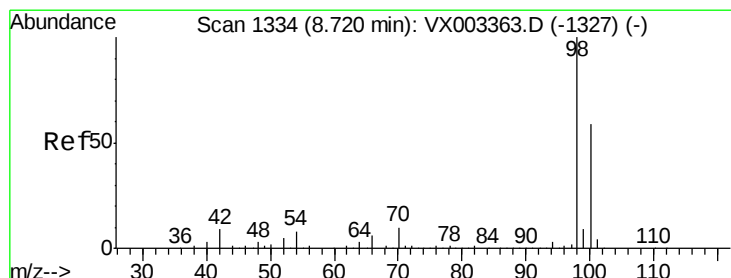
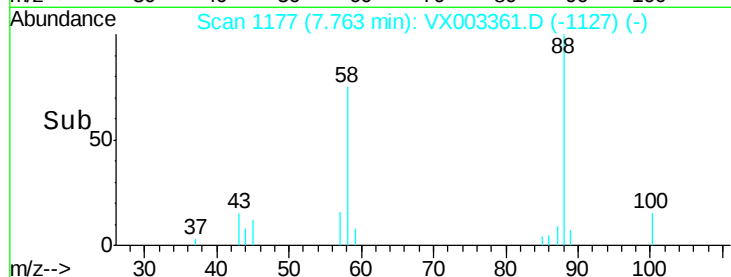
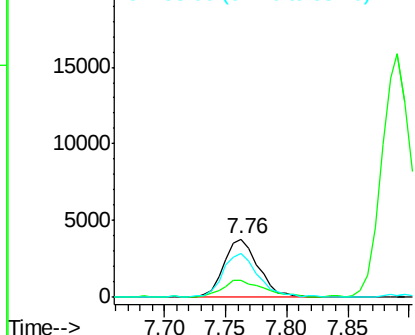
Tot Ion	Ratio	Lower	Upper
88	100		
43	36.8	29.8	44.6
58	77.3	57.1	85.7

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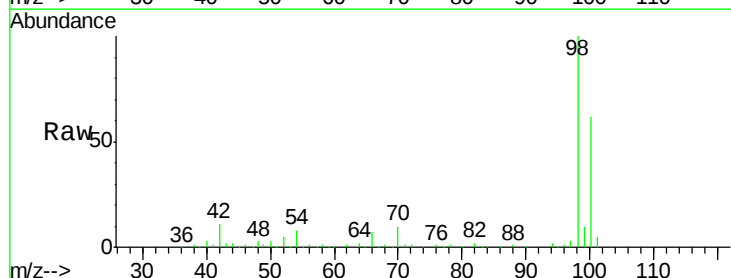


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

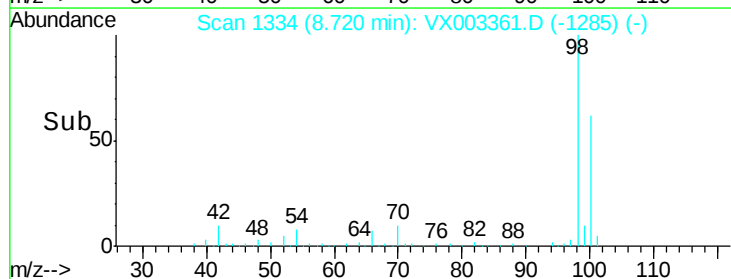
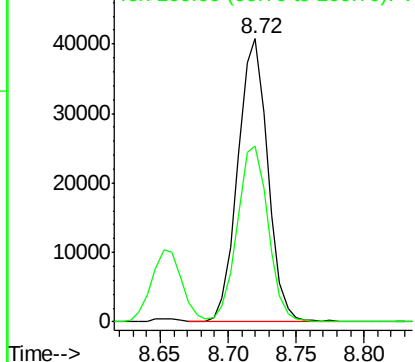


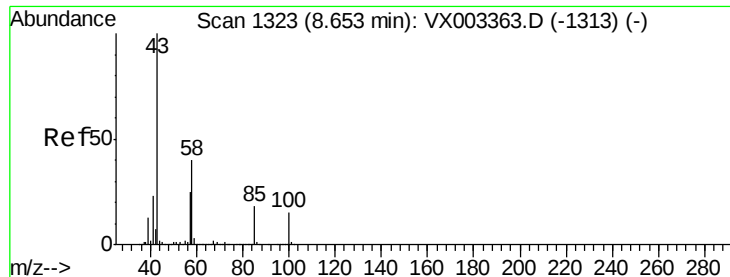
#50
Toluene-d8
Concen: 4.41 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	50.9	76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 20.14 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 112751

Ion Ratio Lower Upper

43 100

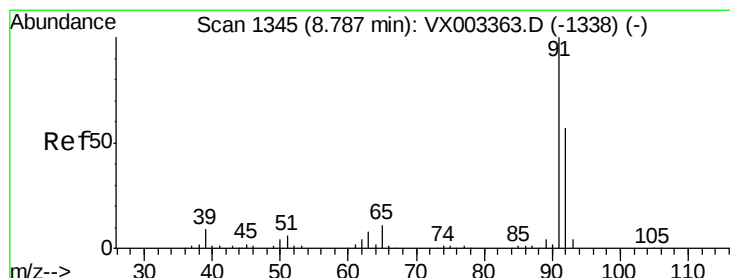
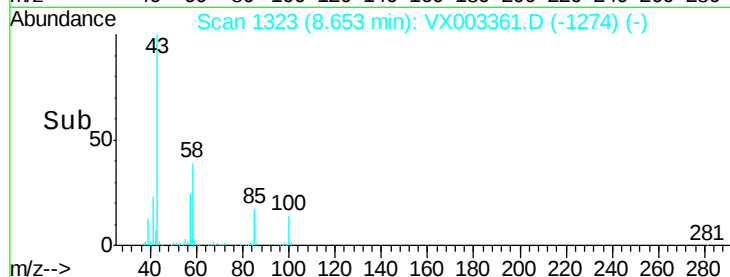
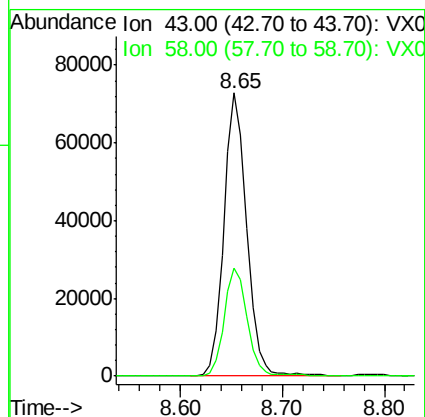
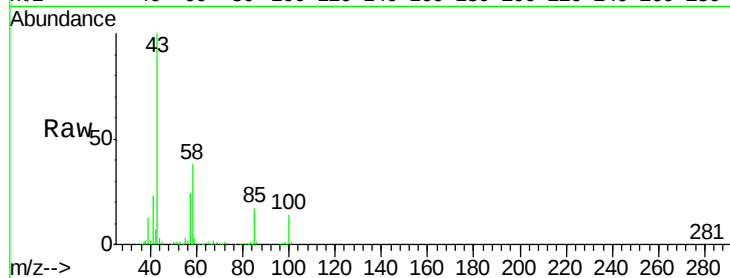
58 38.3 28.6 42.8

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#52

Toluene

Concen: 4.08 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003361.D

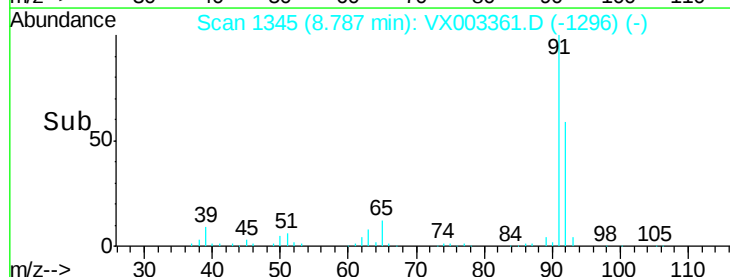
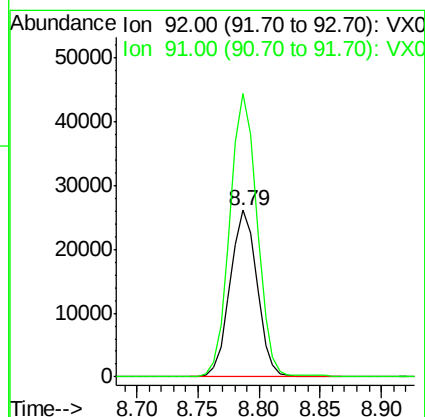
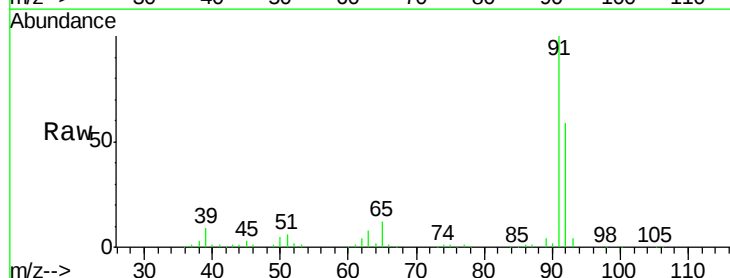
Acq: 13 Jul 2018 11:59

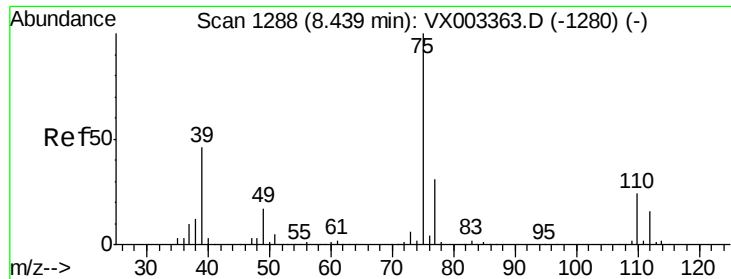
Tgt Ion: 92 Resp: 39942

Ion Ratio Lower Upper

92 100

91 172.0 140.4 210.6





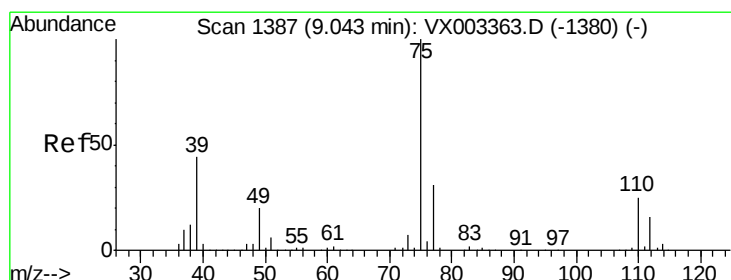
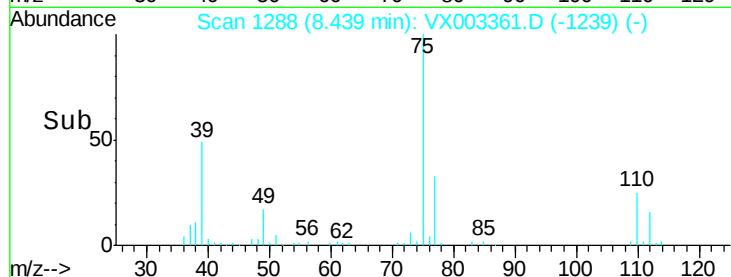
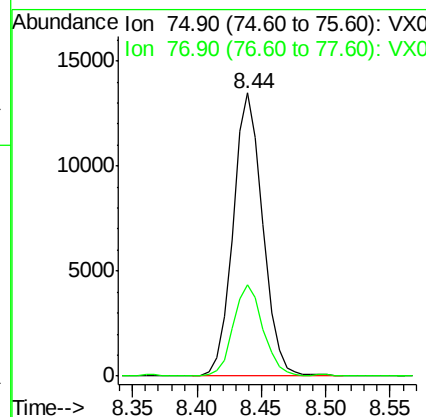
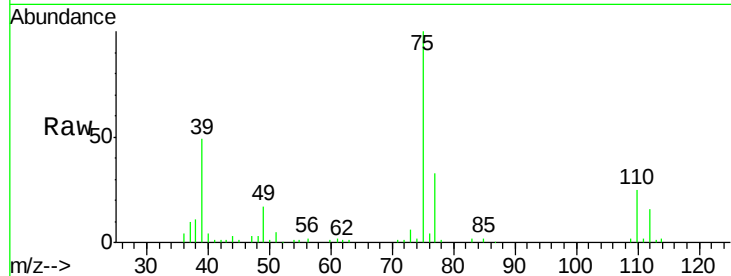
#53
 t-1,3-Dichloropropene
 Concen: 3.64 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003361.D
 Acq: 13 Jul 2018 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 21704
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.4 38.2

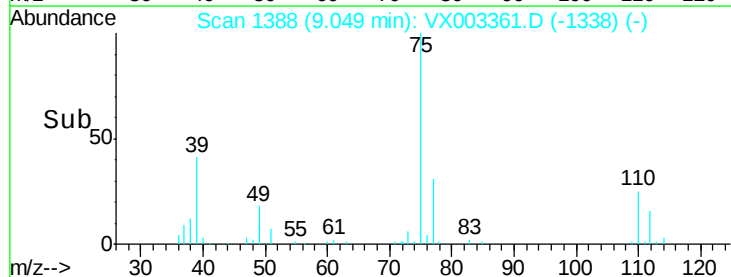
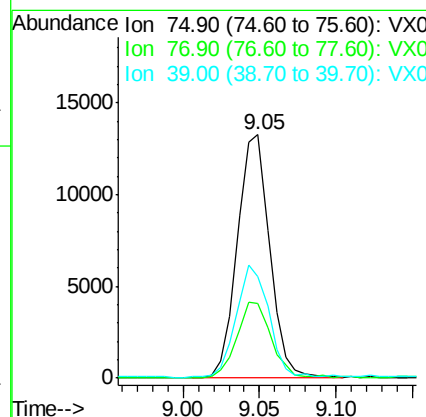
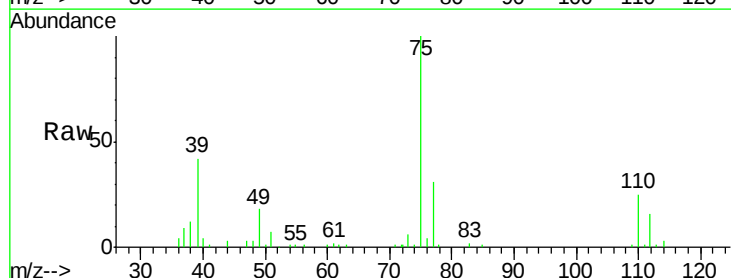
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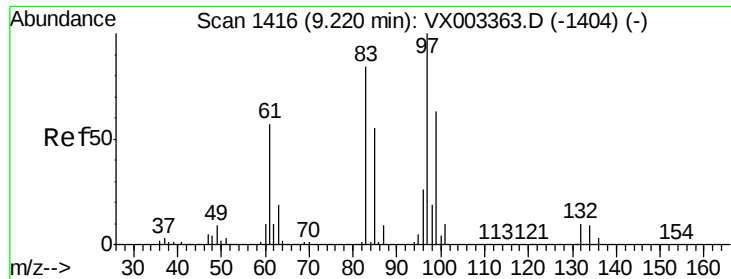
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#54
 cis-1,3-Dichloropropene
 Concen: 3.60 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.01 min
 Lab File: VX003361.D
 Acq: 13 Jul 2018 11:59

Tgt Ion: 75 Resp: 19534
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.8 37.2
 39 41.2 42.4 63.6#





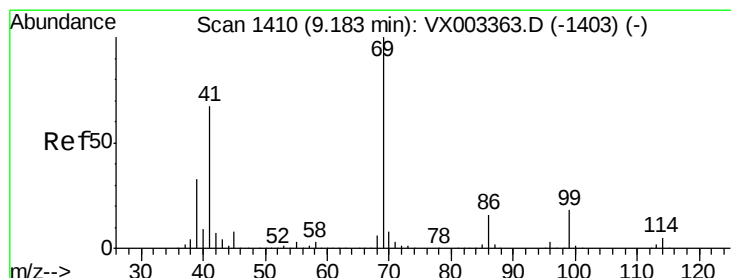
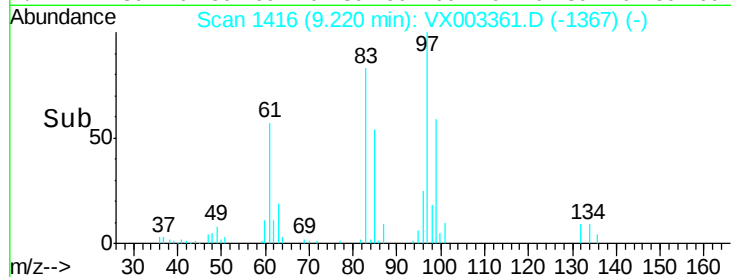
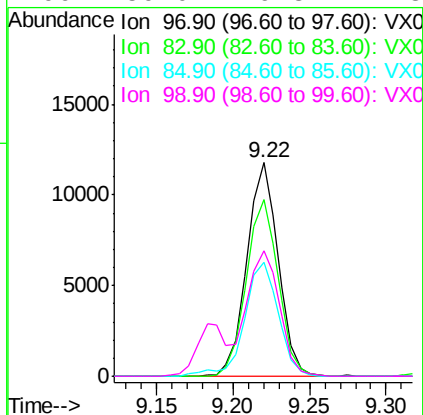
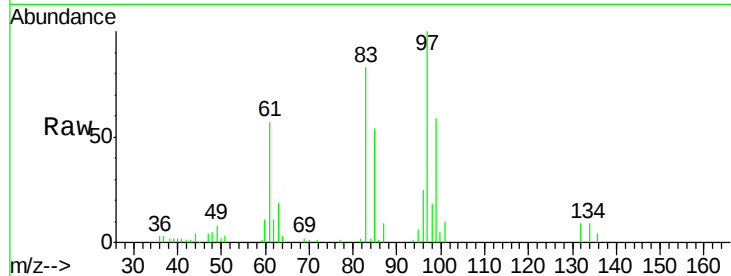
#55
 1,1,2-Trichloroethane
 Concen: 4.13 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003361.D
 Acq: 13 Jul 2018 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	16765
Ion	Ratio	Lower	Upper
97	100		
83	83.0	70.2	105.2
85	53.6	44.9	67.3
99	59.0	49.8	74.8

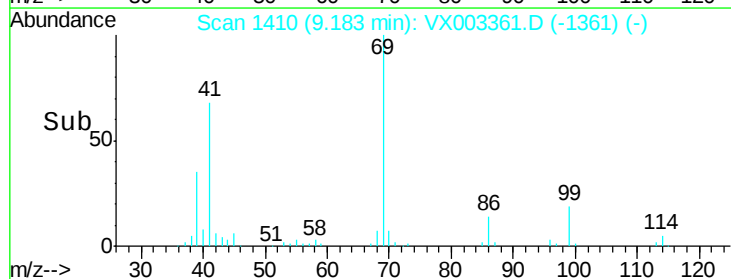
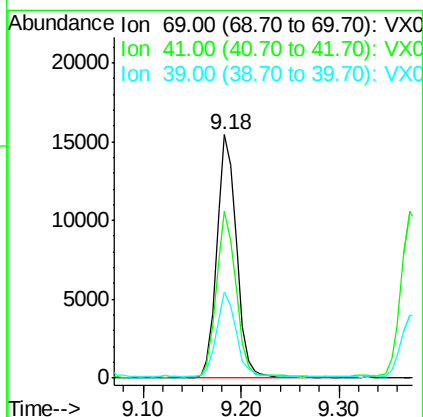
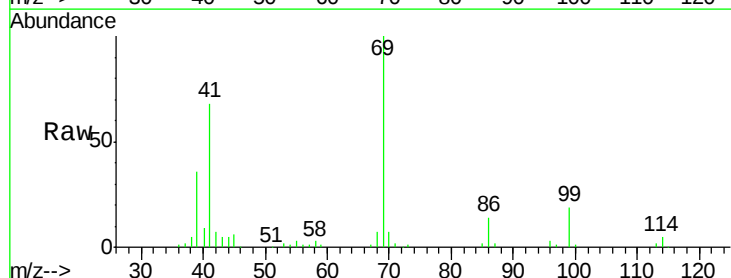
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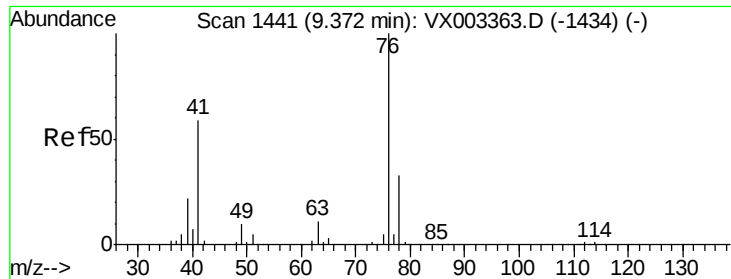
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#56
 Ethyl methacrylate
 Concen: 3.92 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003361.D
 Acq: 13 Jul 2018 11:59

Tgt Ion:	69	Resp:	21776
Ion	Ratio	Lower	Upper
69	100		
41	66.5	60.3	90.5
39	35.5	35.8	53.8#





#57

1,3-Dichloropropane

Concen: 4.23 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.01 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 27681

Ion Ratio Lower Upper

76 100

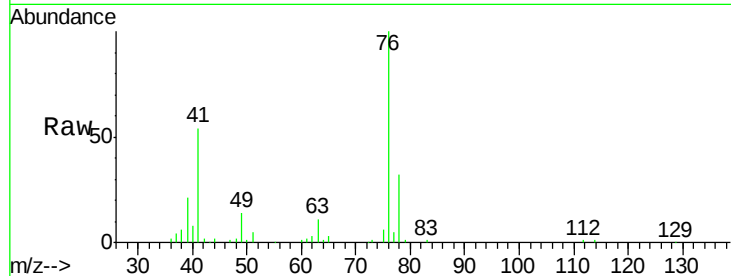
78 32.1 25.8 38.6

Manual Integrations

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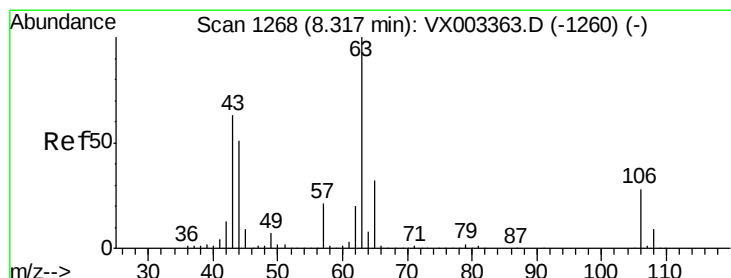
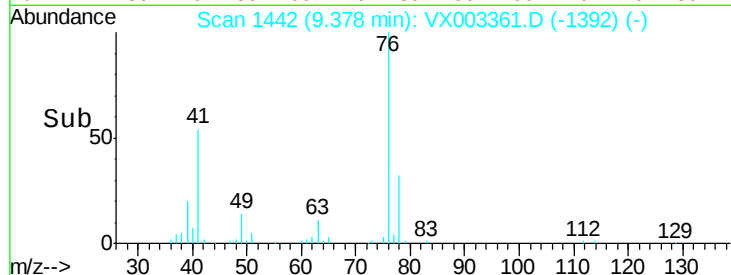
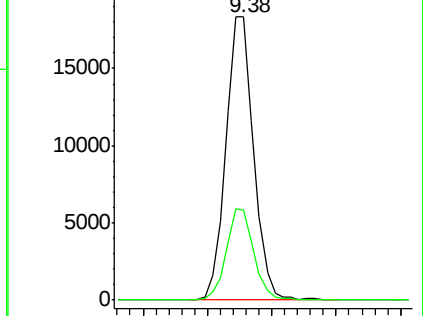
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 20.22 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003361.D

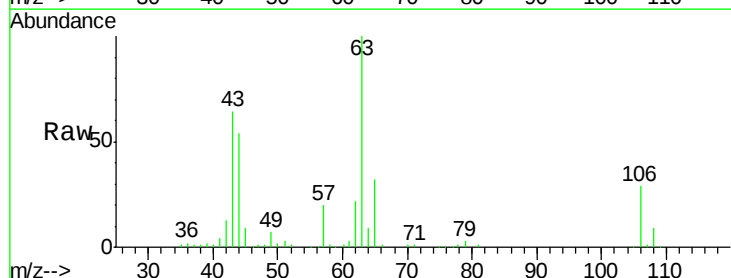
Acq: 13 Jul 2018 11:59

Tgt Ion: 63 Resp: 54232

Ion Ratio Lower Upper

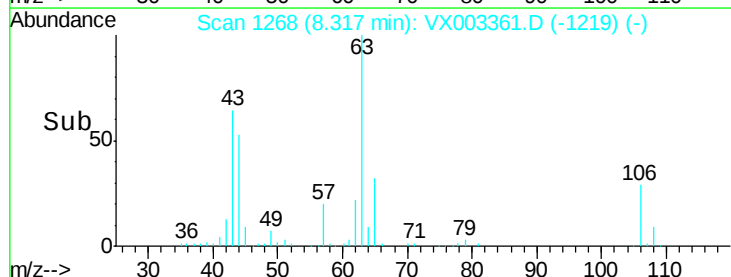
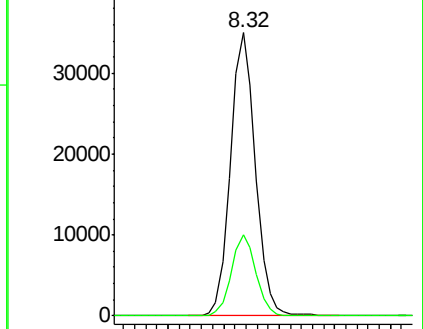
63 100

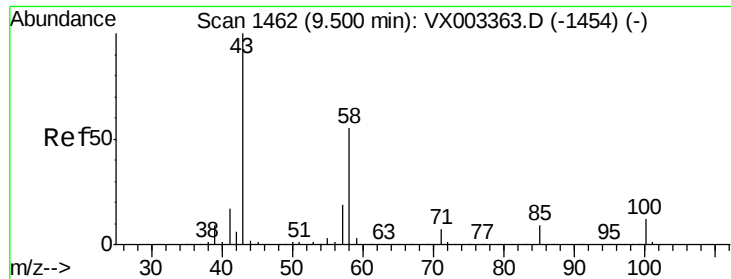
106 28.2 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





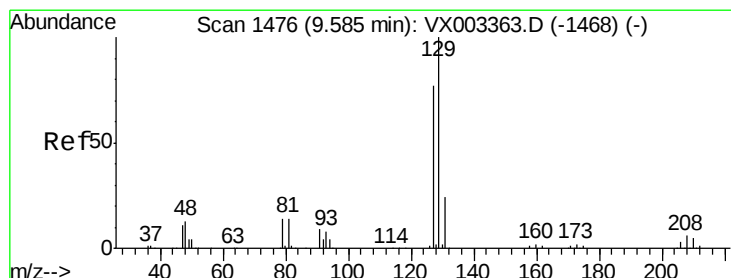
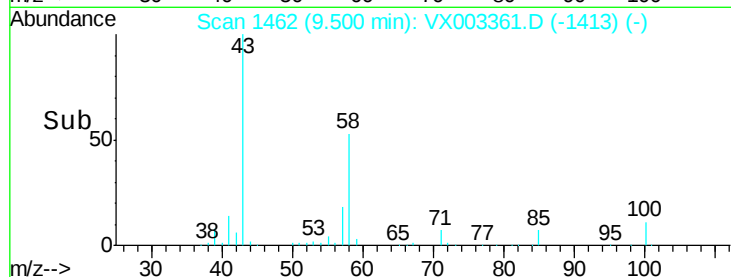
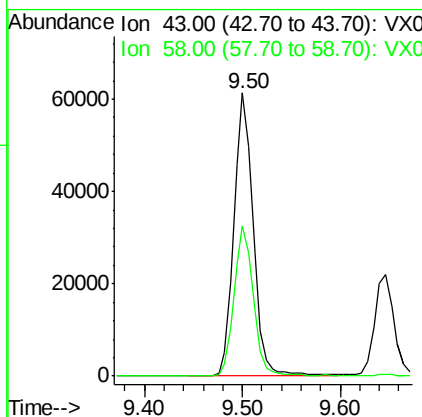
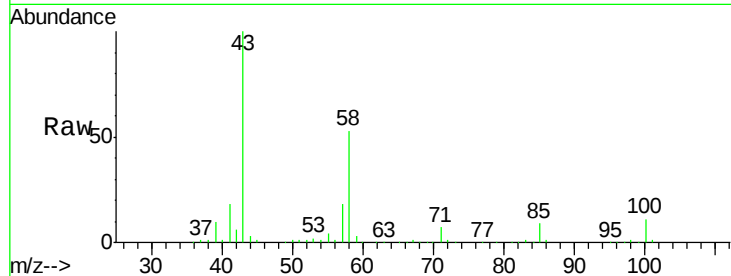
#59
2-Hexanone
Concen: 19.84 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 84396
Ion Ratio Lower Upper
43 100
58 52.8 24.6 73.6

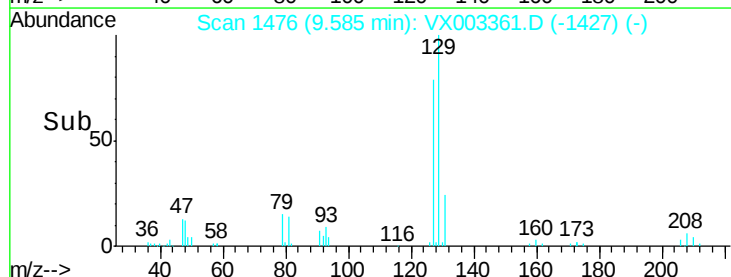
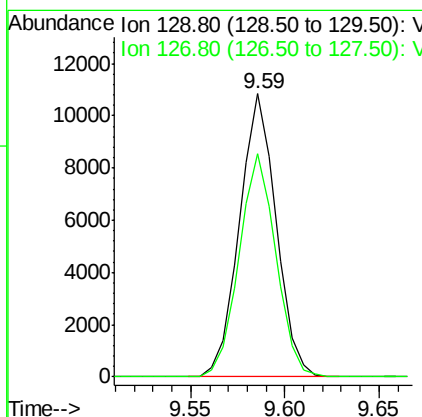
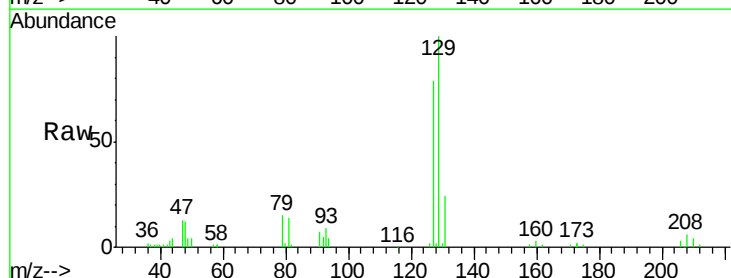
Manual Integrations
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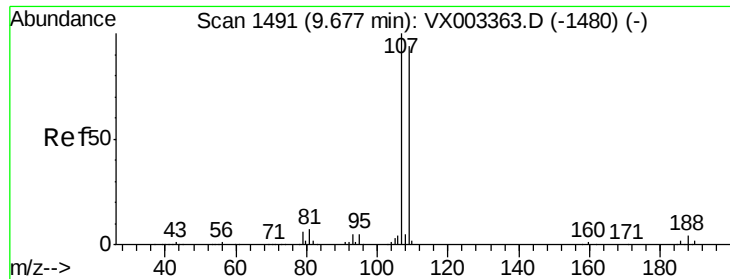
MMDadoda
7/16/2018 11:24:39 AM



#60
Dibromochloromethane
Concen: 3.45 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Tgt Ion: 129 Resp: 14619
Ion Ratio Lower Upper
129 100
127 78.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 3.88 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 16526

Ion Ratio Lower Upper

107 100

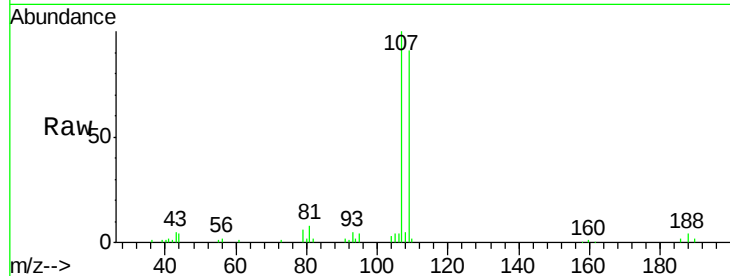
109 94.3 75.3 112.9

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

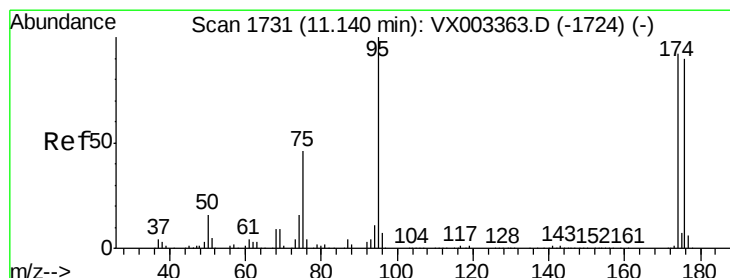
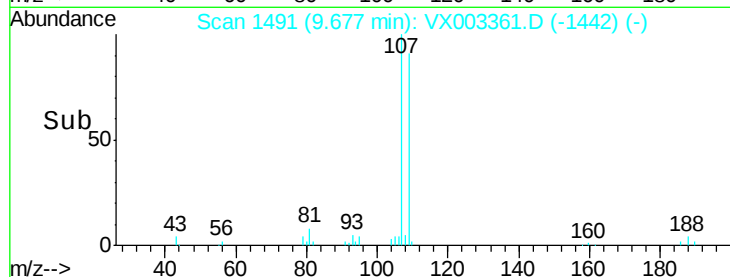
9.68

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 3.85 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

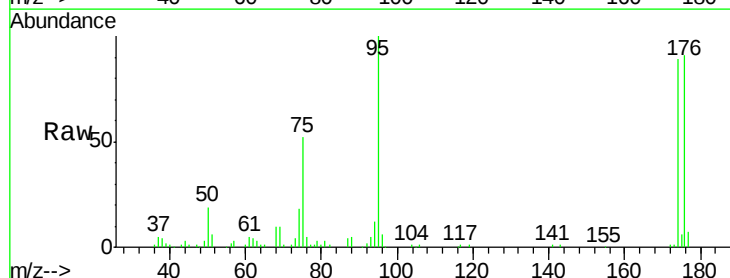
Tgt Ion: 95 Resp: 20016

Ion Ratio Lower Upper

95 100

174 92.3 0.0 187.4

176 89.9 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

20000

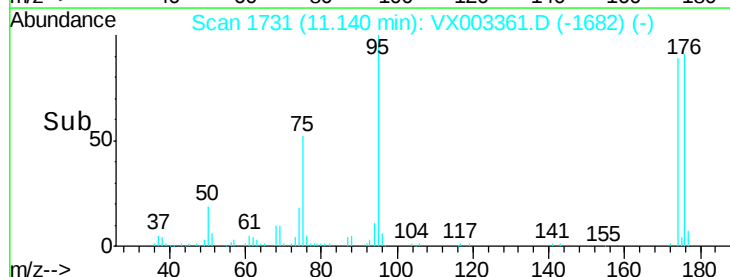
15000

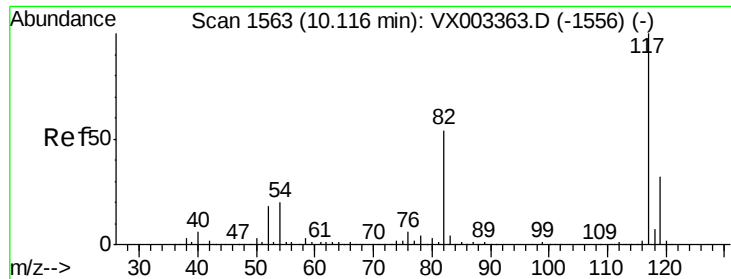
10000

5000

0

Time-->





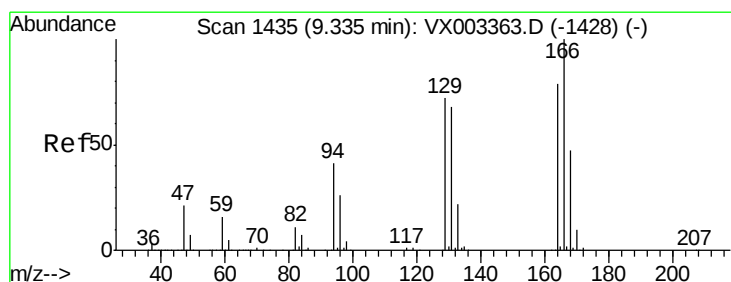
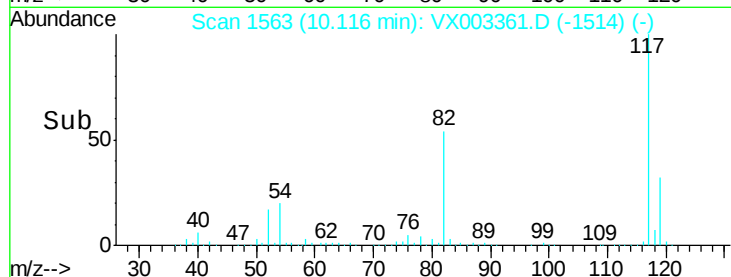
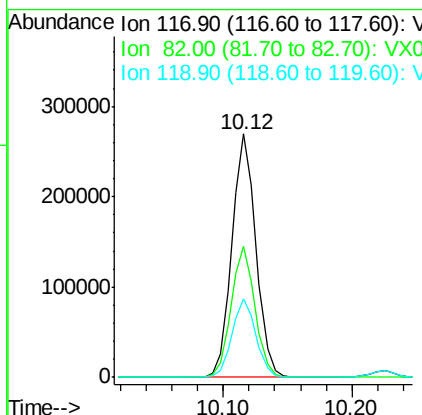
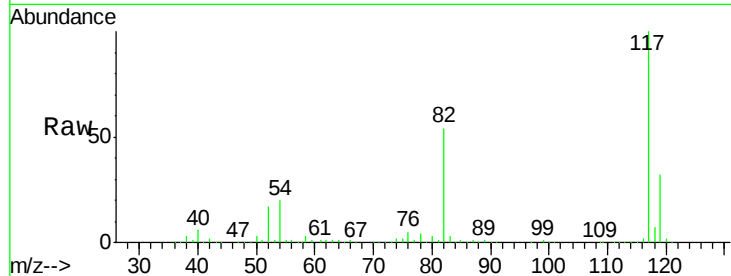
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	45.0	67.4
119	32.1	25.8	38.6

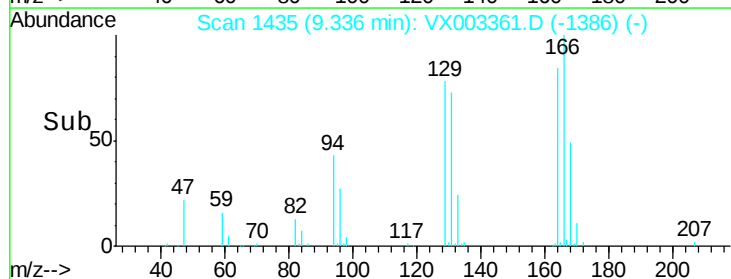
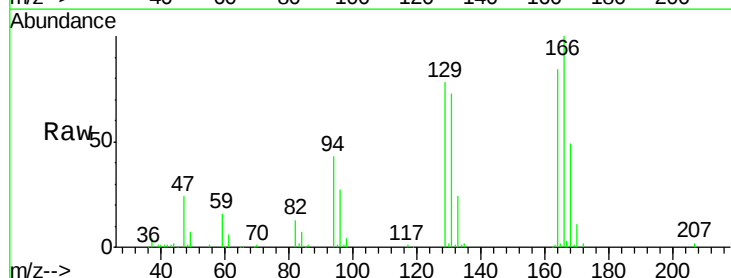
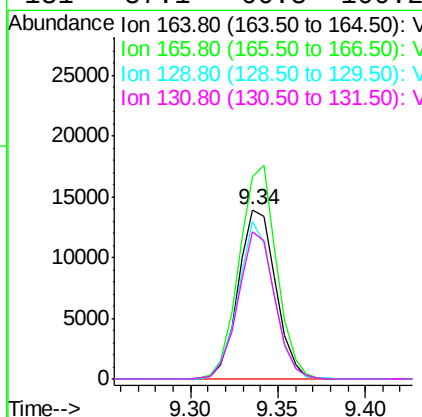
Manual Integrations
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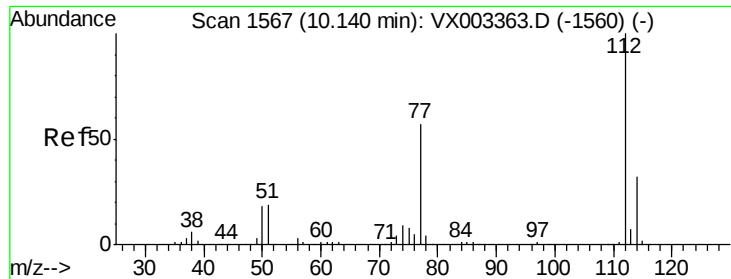
MMDadoda
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#64
Tetrachloroethene
Concen: 3.88 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.5	102.9	154.3
129	93.0	68.6	102.8
131	87.1	66.8	100.2





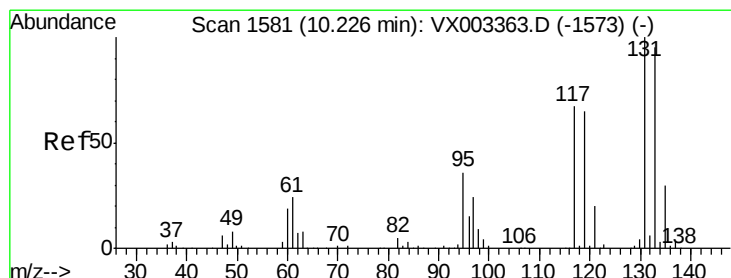
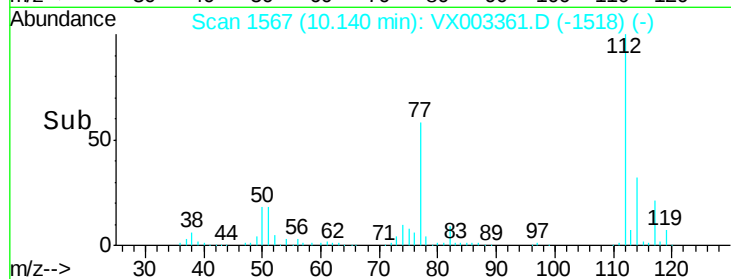
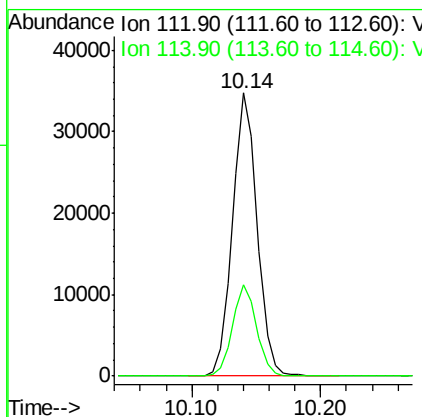
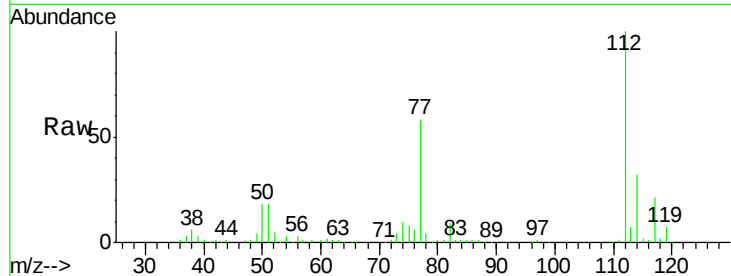
#65
Chlorobenzene
Concen: 3.89 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 46468
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9

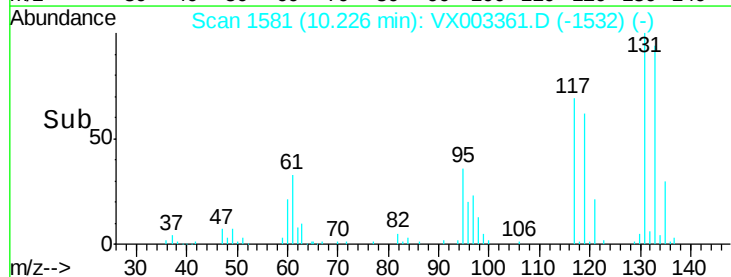
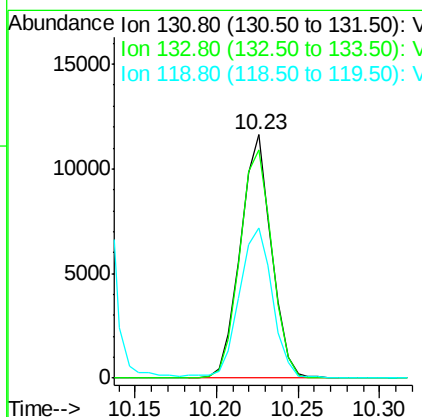
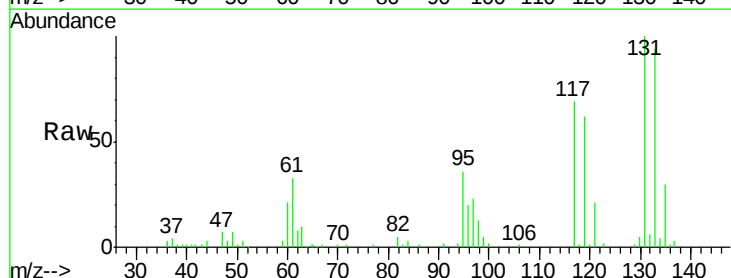
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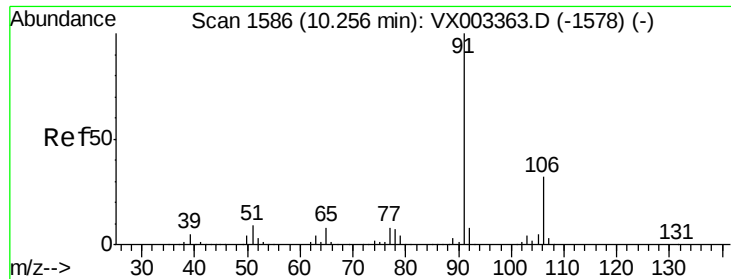
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 3.58 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Tgt Ion:131 Resp: 15435
Ion Ratio Lower Upper
131 100
133 97.3 47.9 143.6
119 65.8 31.8 95.3





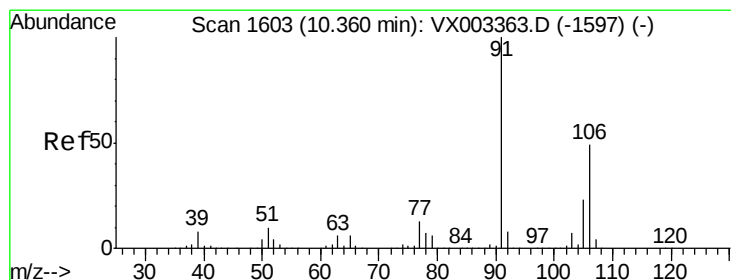
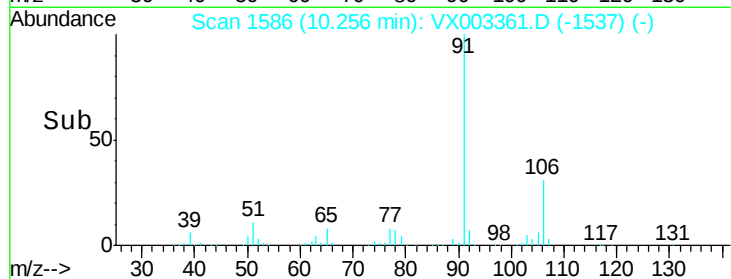
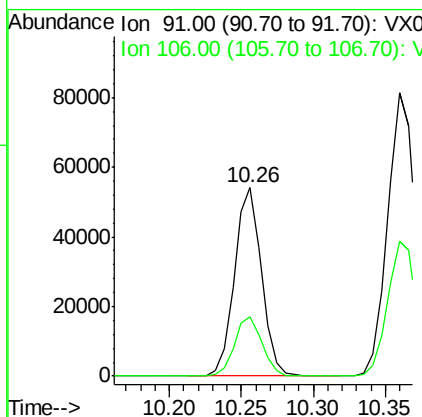
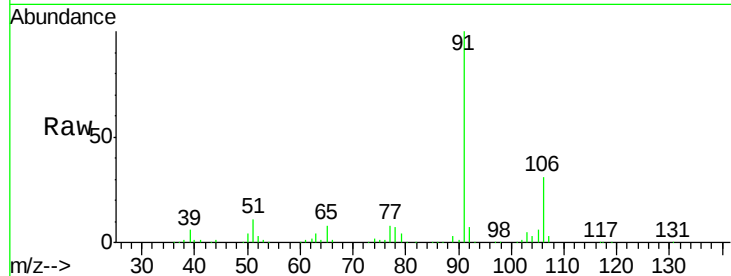
#67
Ethyl Benzene
Concen: 3.67 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 70936
Ion Ratio Lower Upper
91 100
106 31.3 25.5 38.3

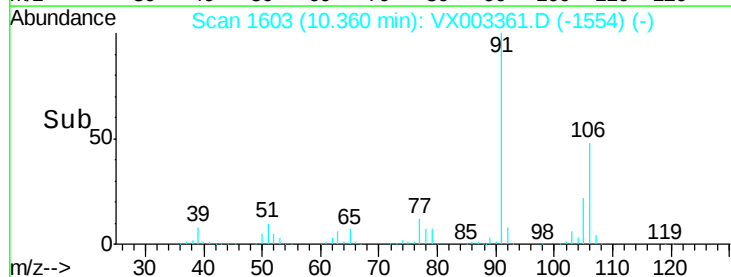
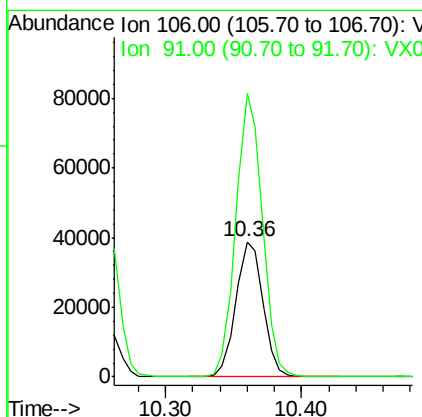
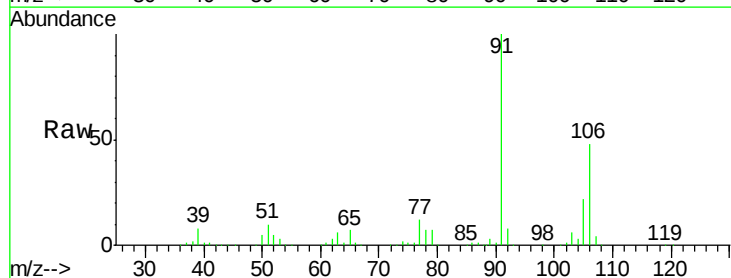
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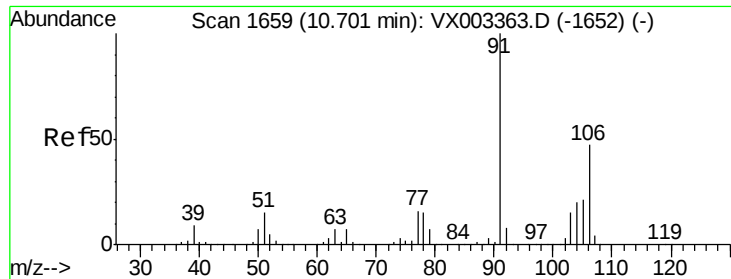
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#68
m/p-Xylenes
Concen: 7.18 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Tgt Ion: 106 Resp: 53938
Ion Ratio Lower Upper
106 100
91 205.1 163.4 245.2





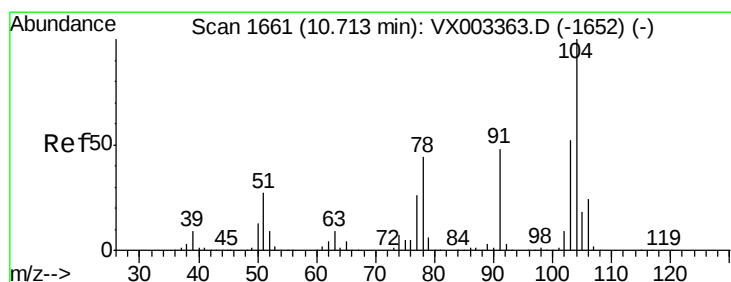
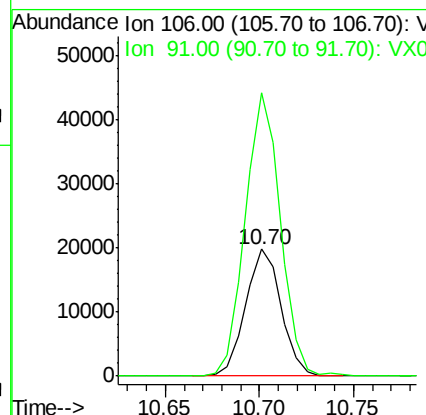
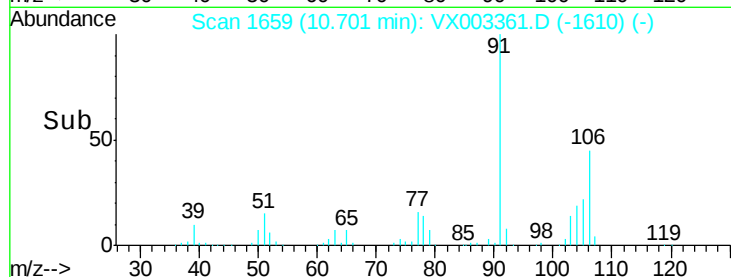
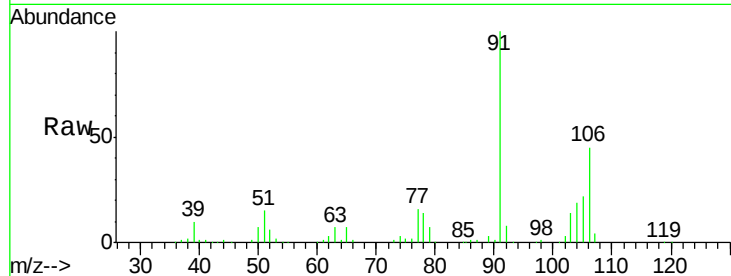
#69
o-Xylene
Concen: 3.57 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 25964
Ion Ratio Lower Upper
106 100
91 221.4 108.2 324.6

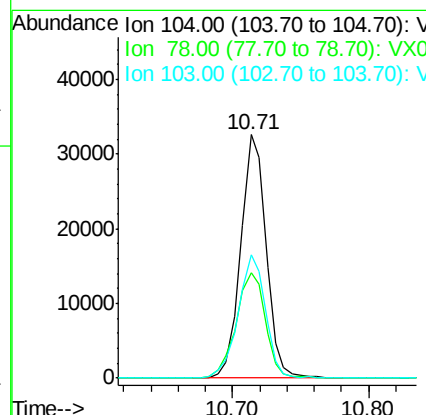
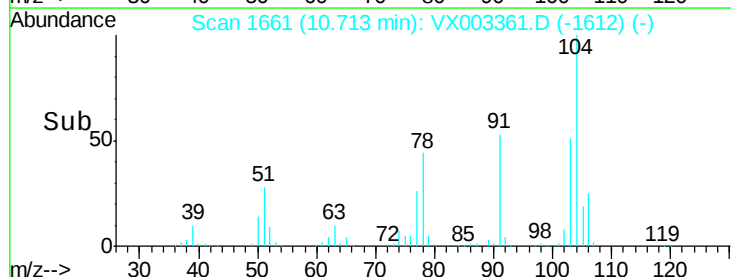
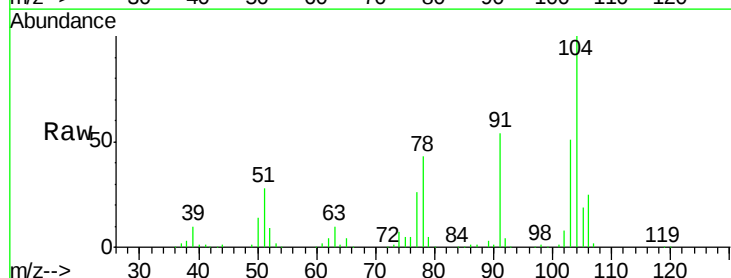
Manual Integrations
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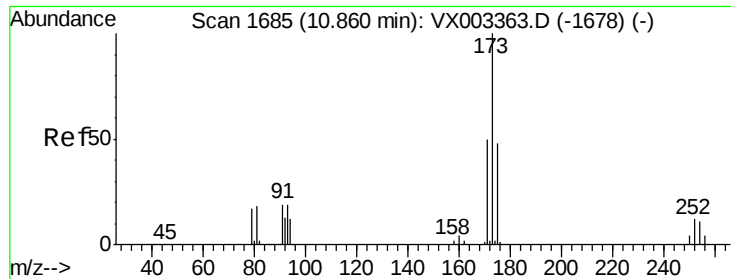
MMDadoda
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#70
Styrene
Concen: 3.60 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Tgt Ion:104 Resp: 42438
Ion Ratio Lower Upper
104 100
78 49.9 41.0 61.6
103 54.9 44.2 66.4





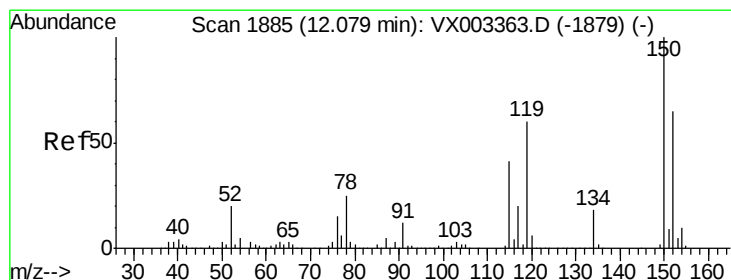
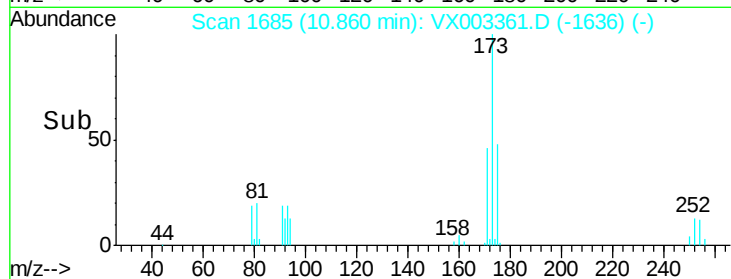
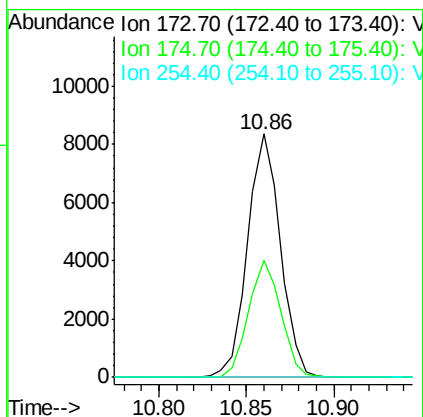
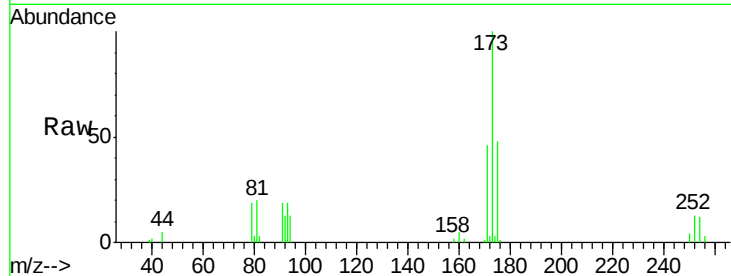
#71
Bromoform
Concen: 3.07 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.7	74.1
254	0.0	0.2	0.2

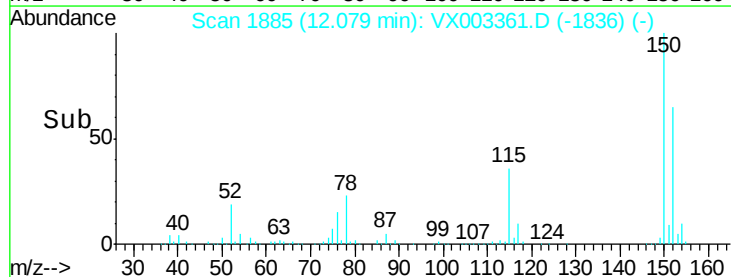
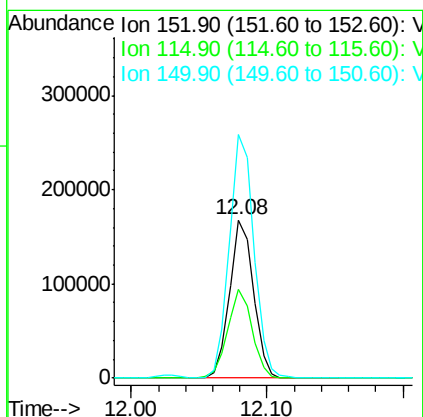
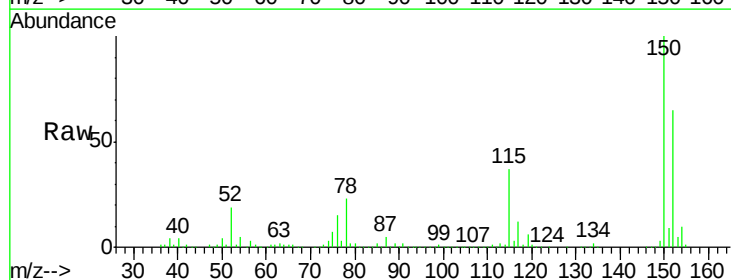
Manual Integrations
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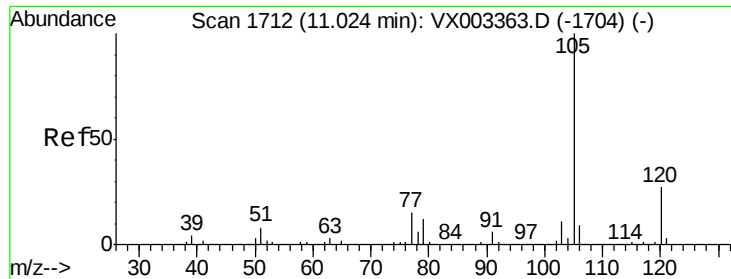
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	40.1	120.2
150	158.0	0.0	347.2





#73

Isopropylbenzene

Concen: 4.37 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 71200

Ion Ratio Lower Upper

105 100

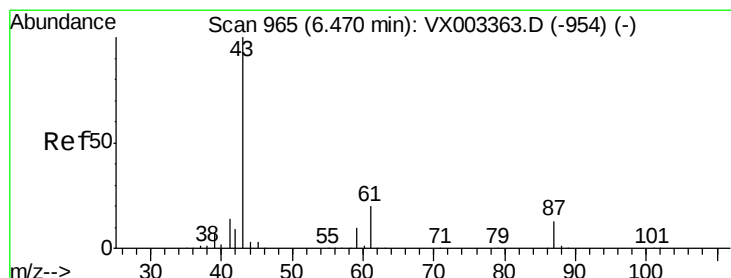
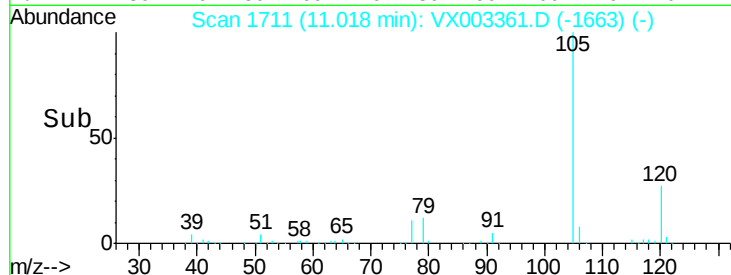
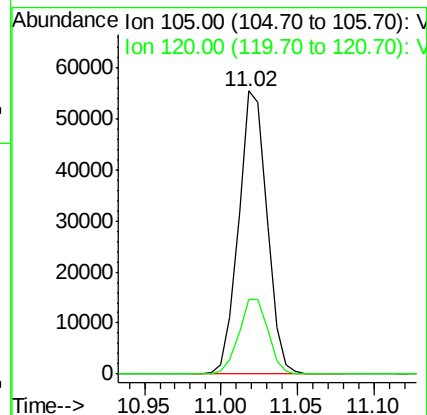
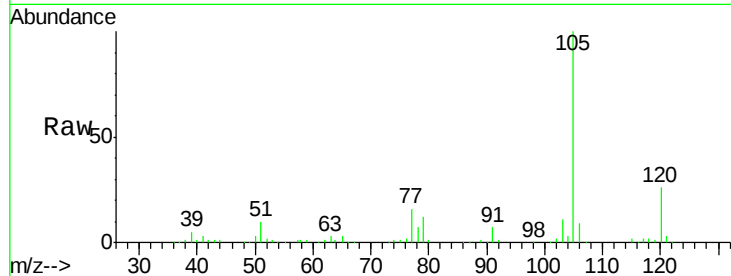
120 27.3 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 4.36 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Tgt Ion: 43 Resp: 33877

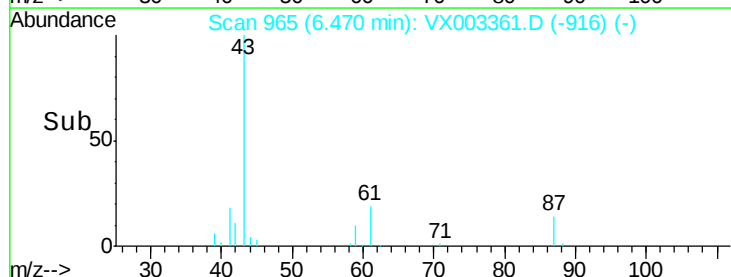
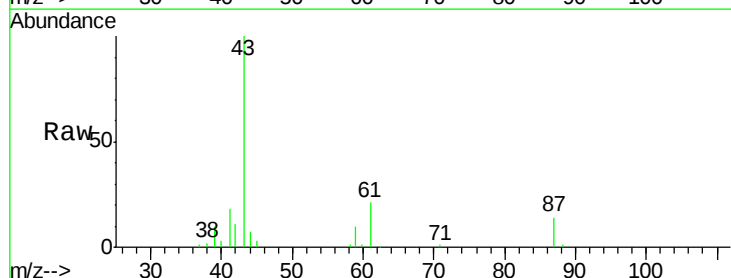
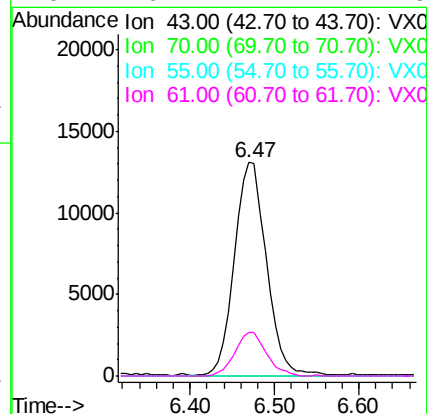
Ion Ratio Lower Upper

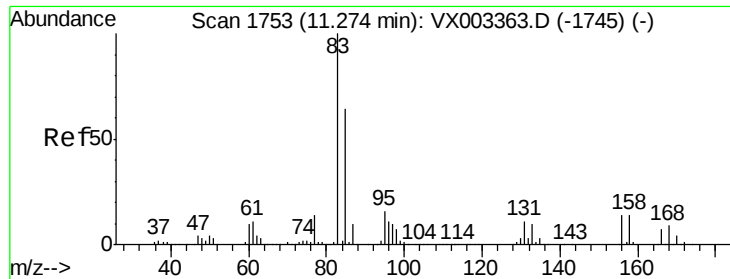
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 20.1 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 4.69 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Instrument :

MSVOA_X

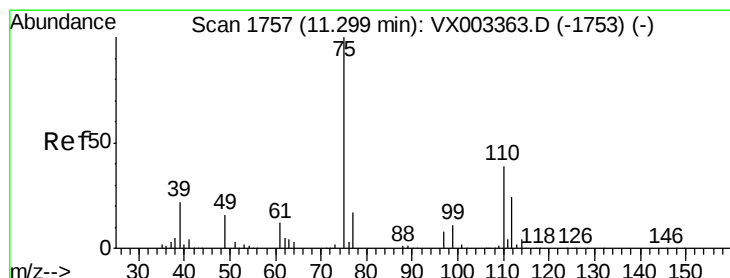
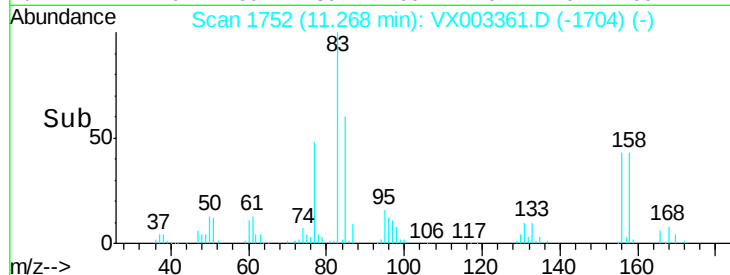
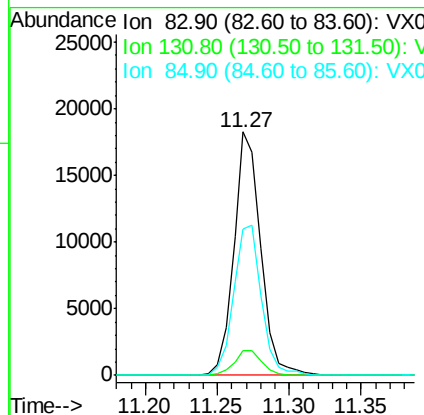
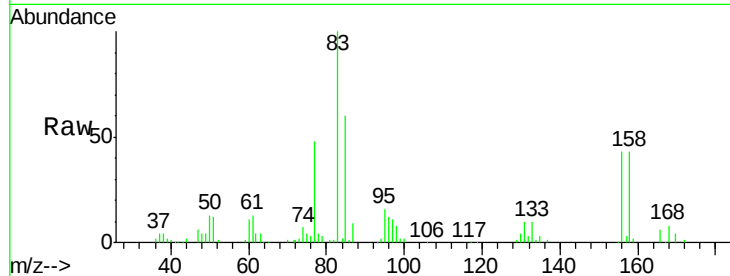
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	23706
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.6	16.8
85	64.3	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 4.67 ug/l m

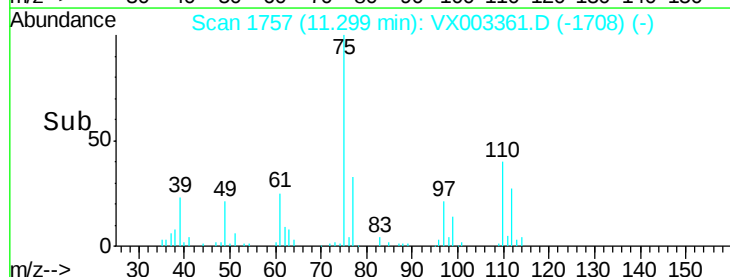
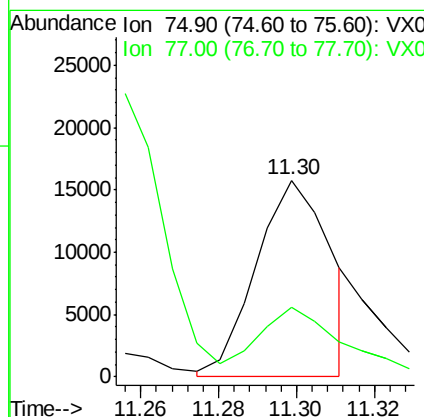
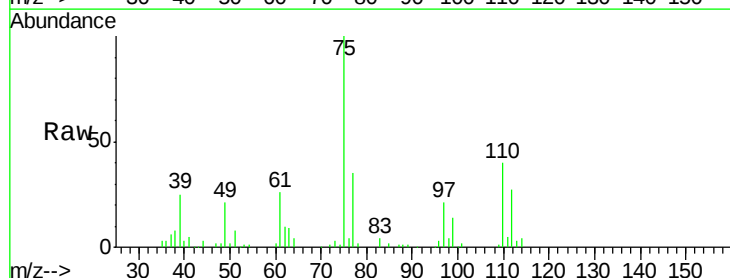
RT: 11.30 min Scan# 1757

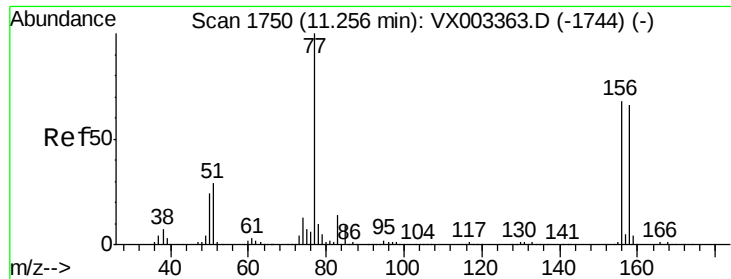
Delta R.T. 0.00 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Tgt Ion:	75	Resp:	20828
Ion Ratio	Lower	Upper	
75	100		
77	41.3	22.8	68.3





#77

Bromobenzene

Concen: 4.33 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 20368

Ion Ratio Lower Upper

156 100

77 143.1 71.4 214.2

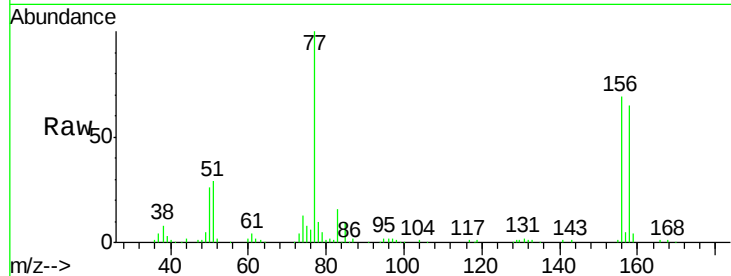
158 95.9 48.9 146.6

Manual Integrations

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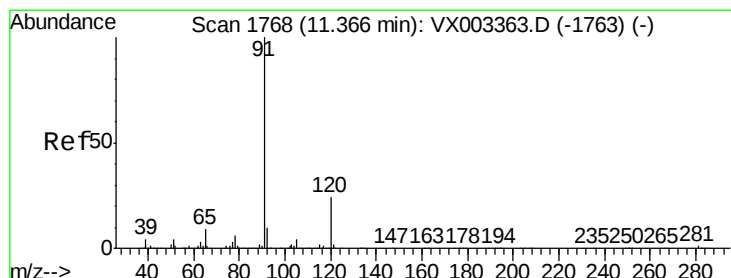
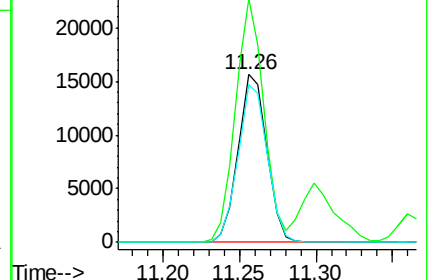
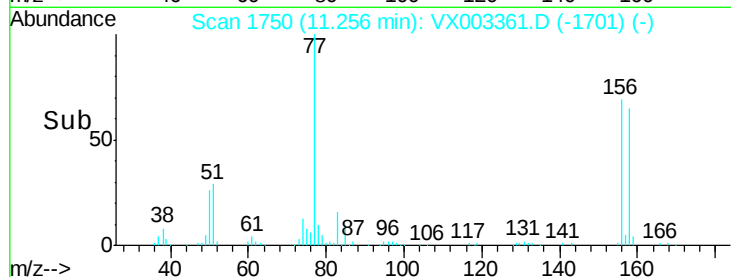
7/16/2018 11:24:39 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.29 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003361.D

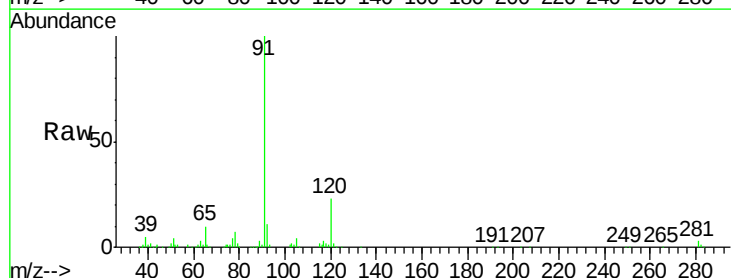
Acq: 13 Jul 2018 11:59

Tgt Ion: 91 Resp: 77742

Ion Ratio Lower Upper

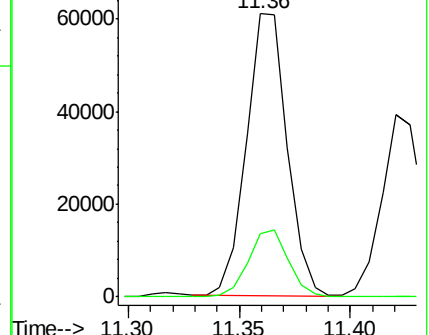
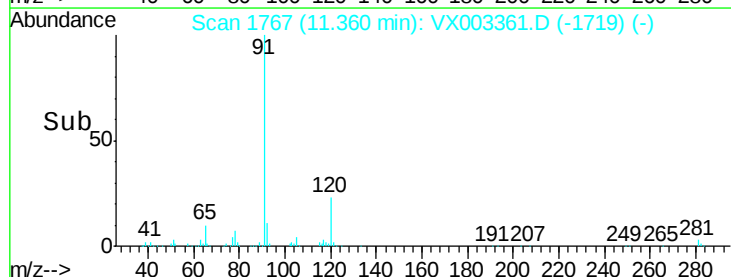
91 100

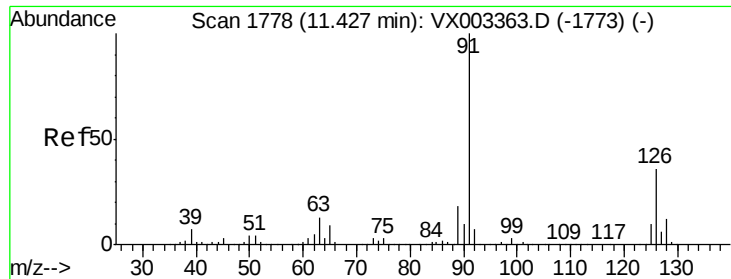
120 23.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.51 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 49741

Ion Ratio Lower Upper

91 100

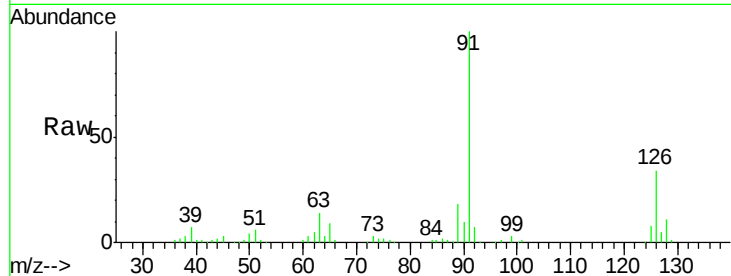
126 35.6 17.7 53.1

Manual Integrations

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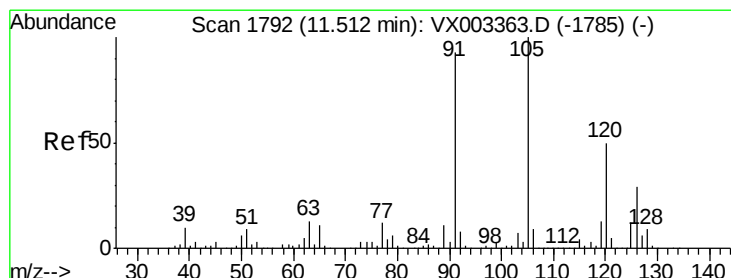
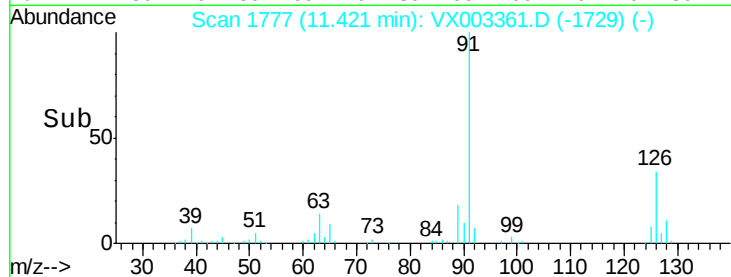
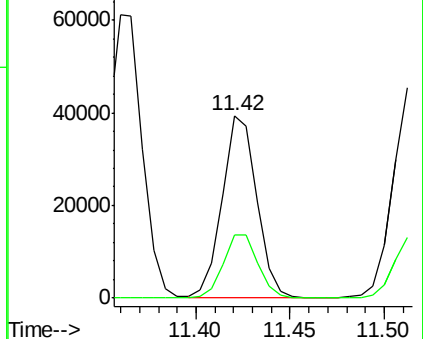
MMDadoda

7/16/2018 11:24:39 AM



Abundance Ion 91.00 (90.70 to 91.70): VX003361.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX003361.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.29 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003361.D

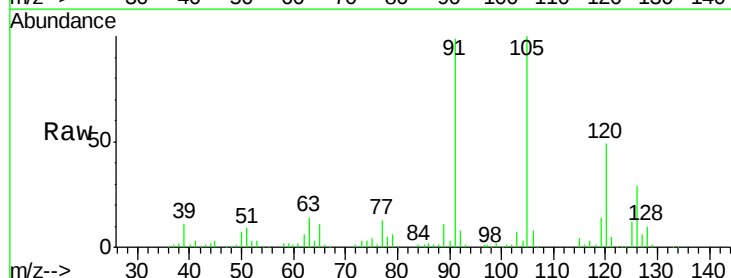
Acq: 13 Jul 2018 11:59

Tgt Ion: 105 Resp: 58106

Ion Ratio Lower Upper

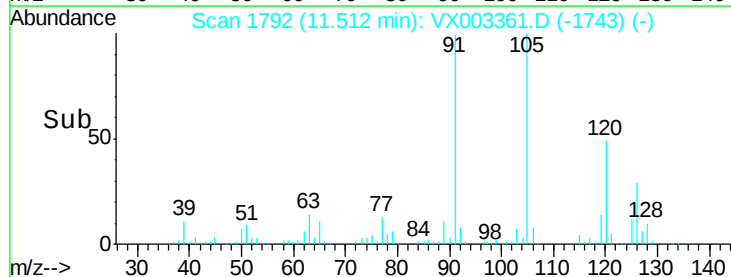
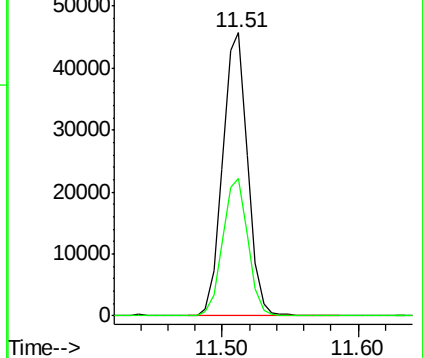
105 100

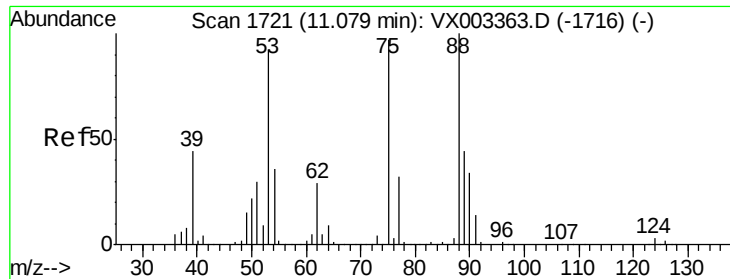
120 49.0 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003361.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX003361.D (-1785) (-)





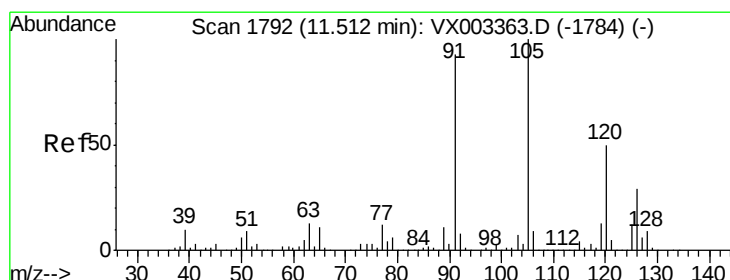
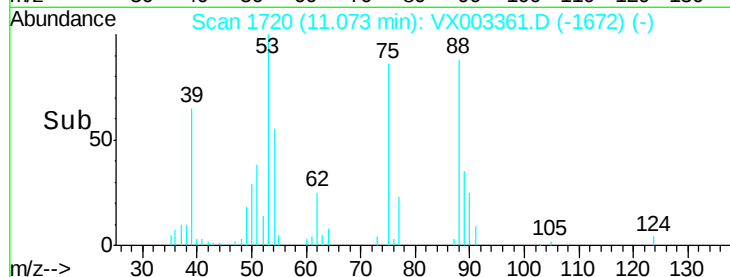
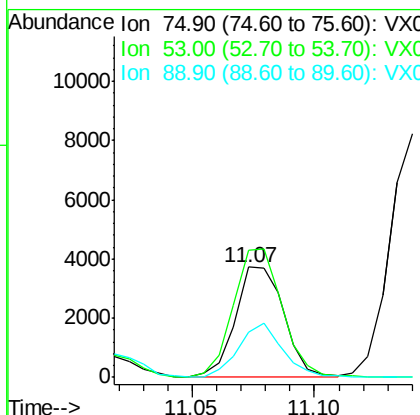
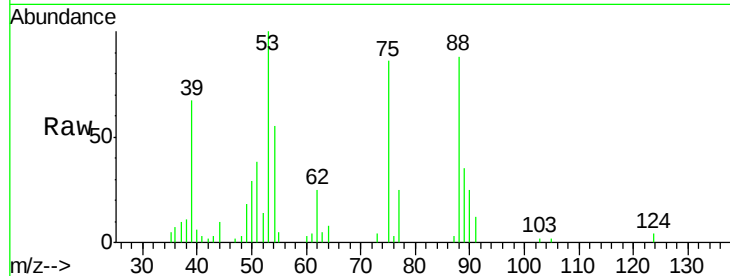
#81
trans-1,4-Dichloro-2-butene
Concen: 3.80 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. -0.01 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 5184
Ion Ratio Lower Upper
75 100
53 116.4 86.8 130.2
89 44.5 38.2 57.2

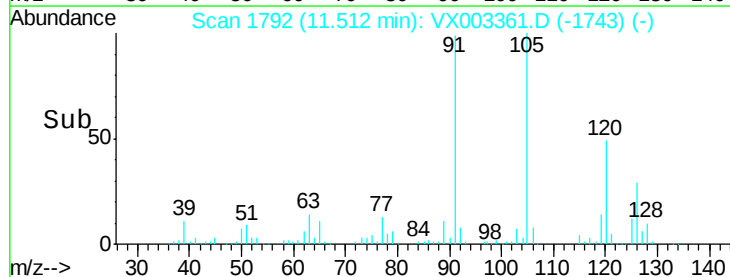
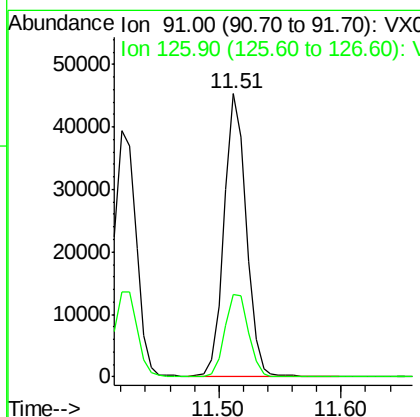
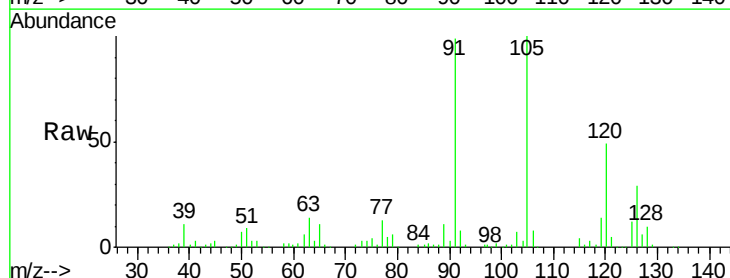
Manual Integrations
APPROVED

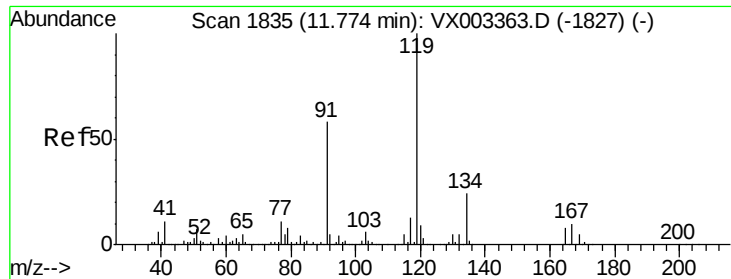
MMDadoda
7/16/2018 11:24:39 AM



#82
4-Chlorotoluene
Concen: 4.41 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Tgt Ion: 91 Resp: 56730
Ion Ratio Lower Upper
91 100
126 31.4 15.4 46.4





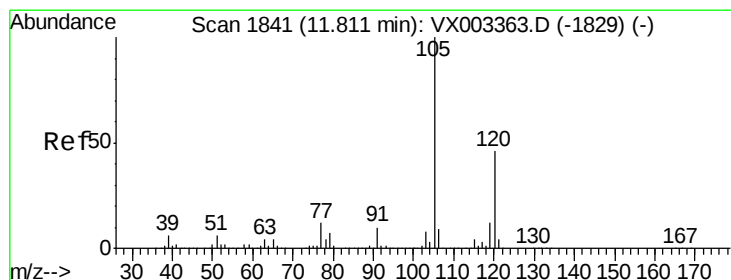
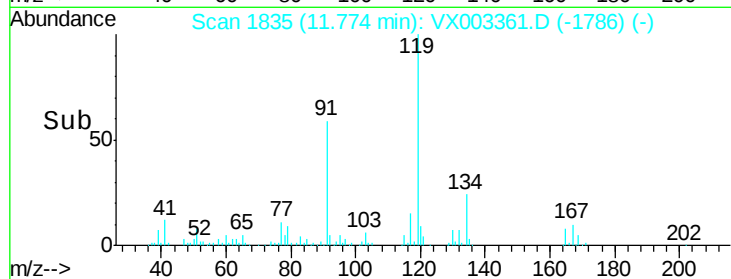
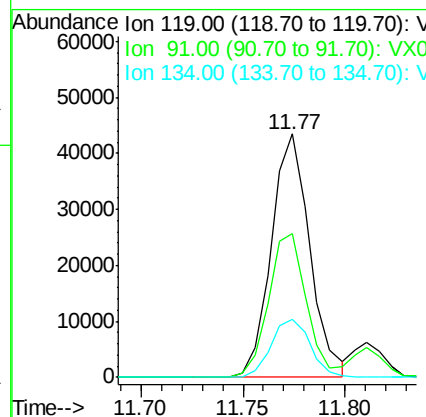
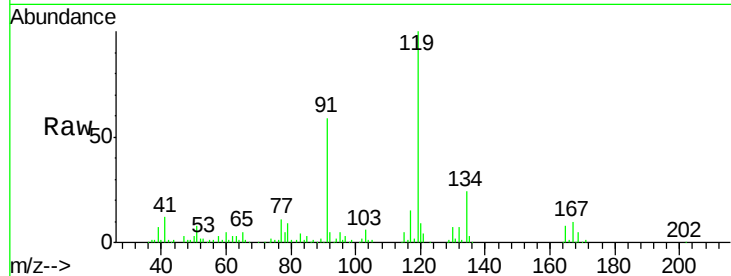
#83
tert-Butylbenzene
Concen: 4.23 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.5	30.3	90.9
134	24.5	11.7	35.1

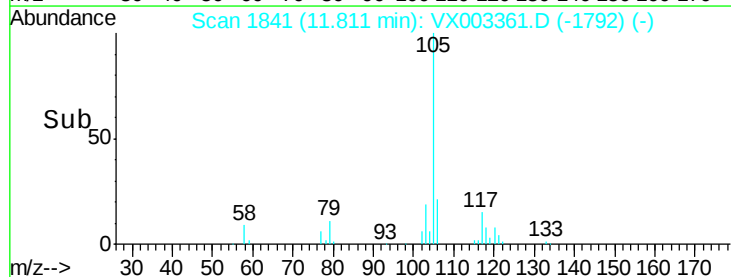
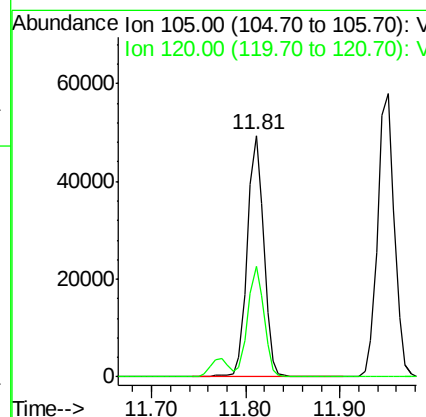
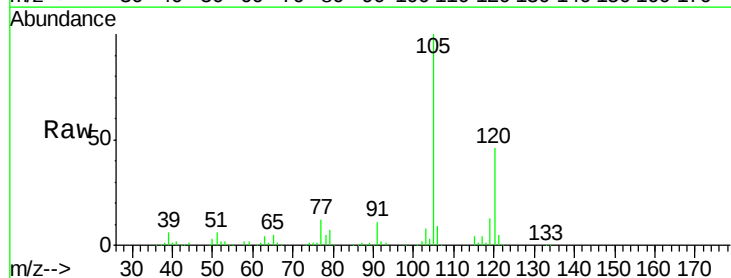
Manual Integrations
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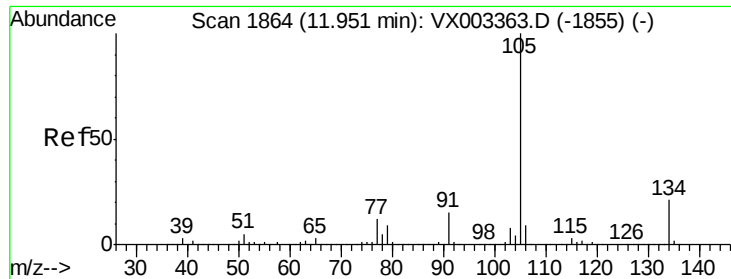
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 4.36 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.3	66.8





#85

sec-Butylbenzene

Concen: 4.47 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 71502

Ion Ratio Lower Upper

105 100

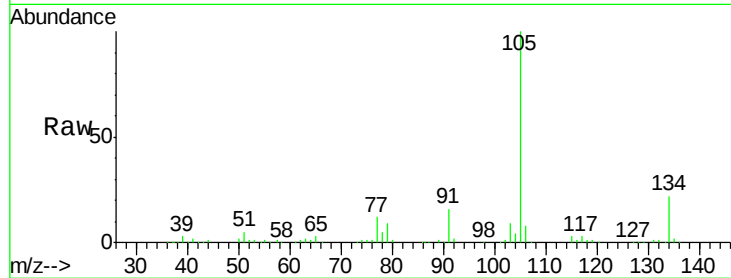
134 20.7 10.4 31.1

Manual Integrations

APPROVED

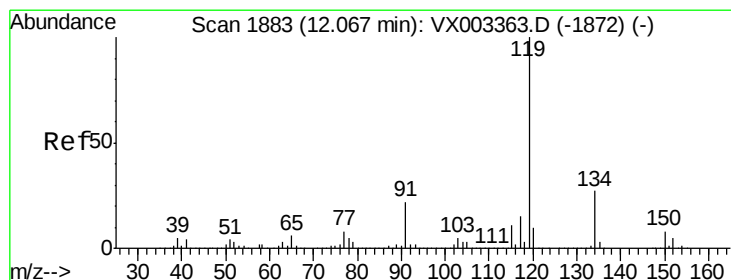
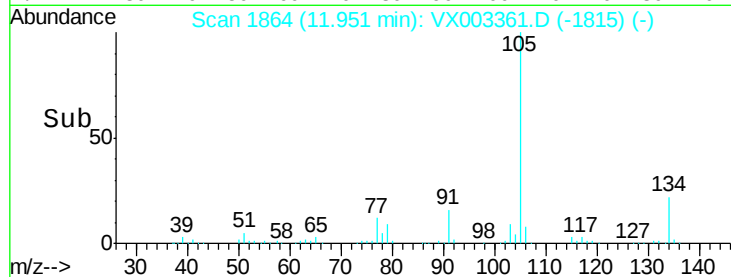
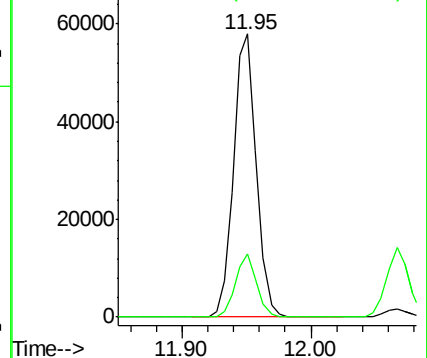
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.12 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

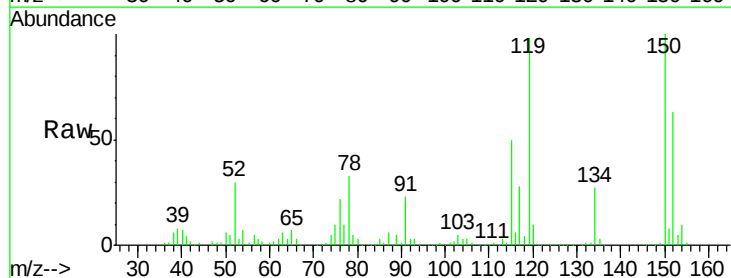
Tgt Ion:119 Resp: 60037

Ion Ratio Lower Upper

119 100

134 28.1 13.4 40.1

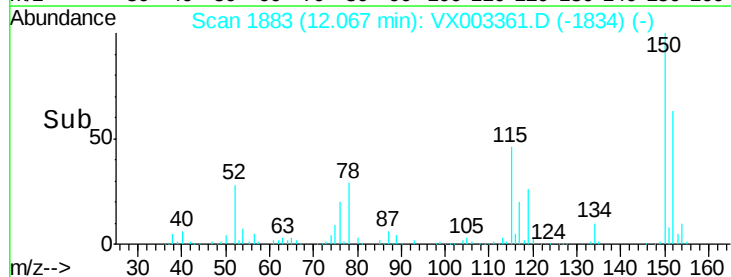
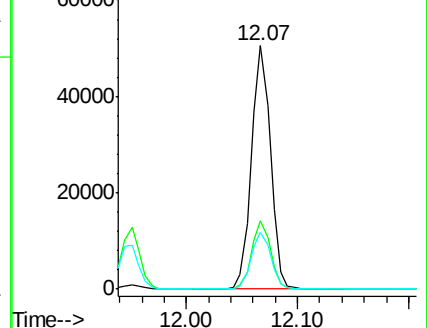
91 24.5 11.9 35.7

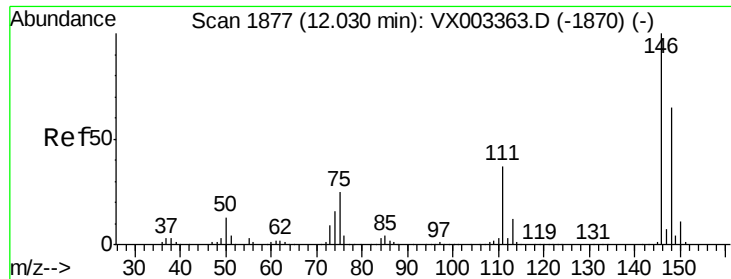


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 4.43 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Instrument :

MSVOA_X

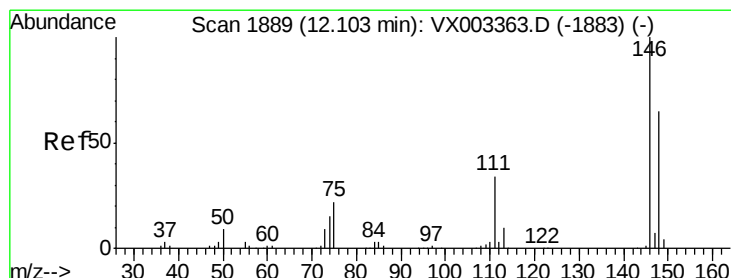
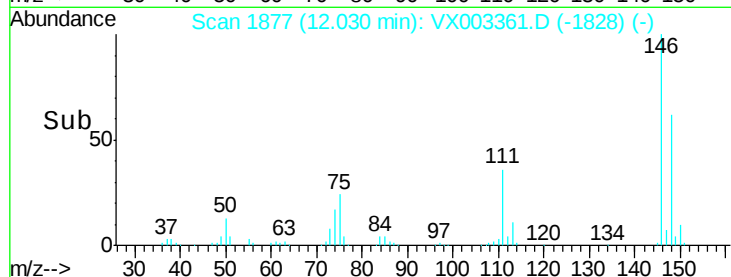
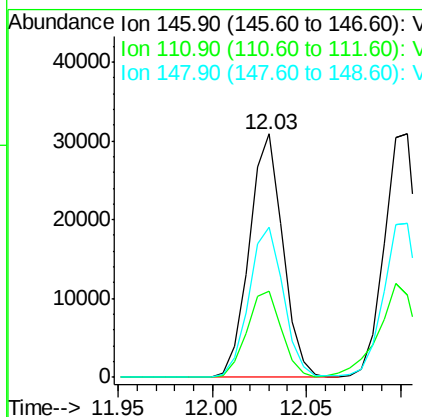
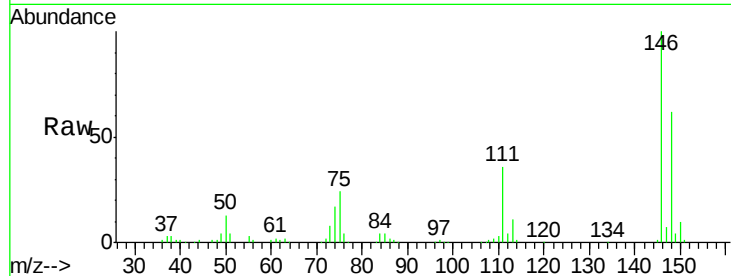
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	38229
Ion Ratio	Lower	Upper	
146	100		
111	36.8	18.9	56.7
148	63.2	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 4.51 ug/l

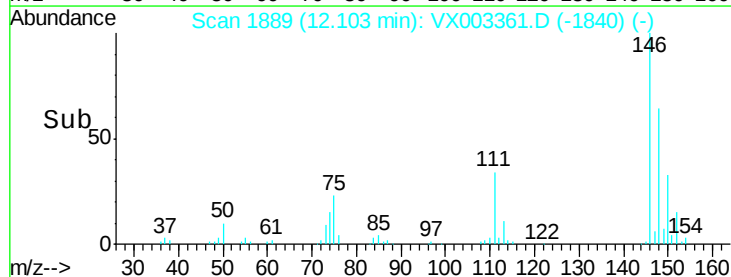
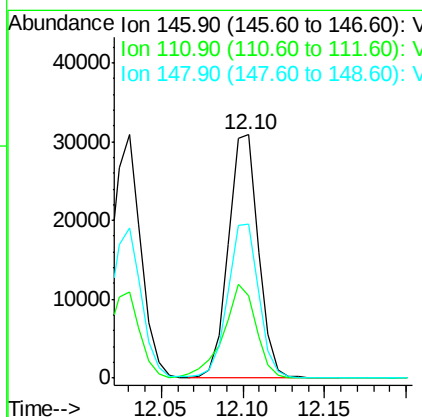
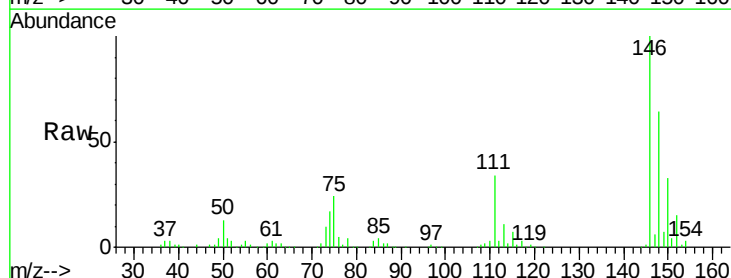
RT: 12.10 min Scan# 1889

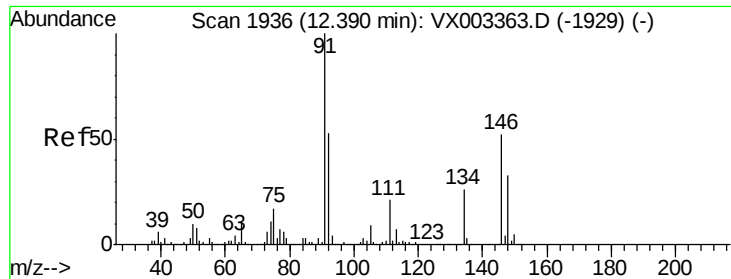
Delta R.T. 0.00 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Tgt Ion:	146	Resp:	39349
Ion Ratio	Lower	Upper	
146	100		
111	42.1	18.7	56.1
148	66.1	32.4	97.0





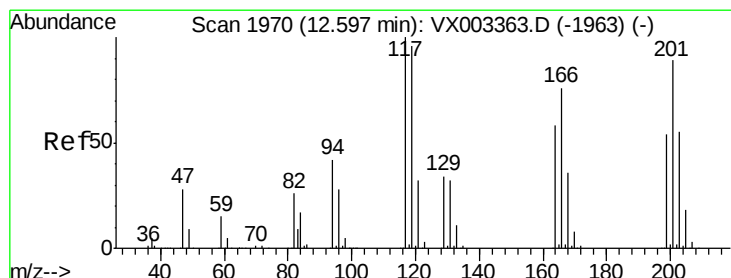
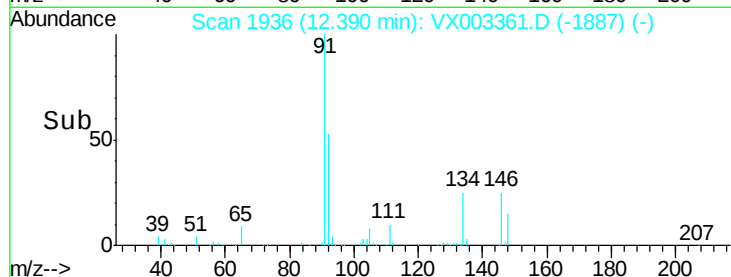
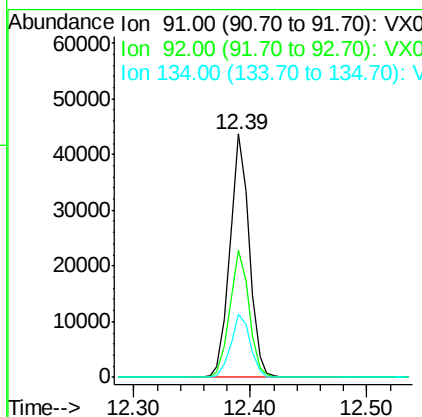
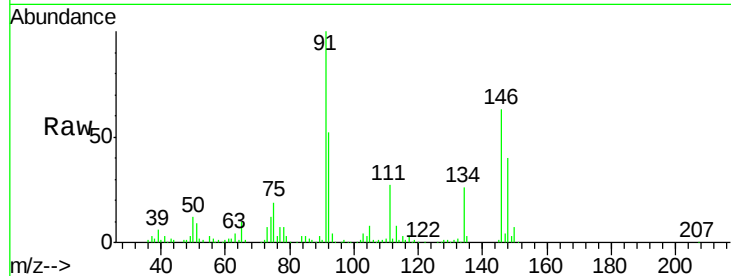
#89
n-Butylbenzene
Concen: 4.16 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
92	51.9	26.0	78.0		
134	26.1	13.5	40.5		

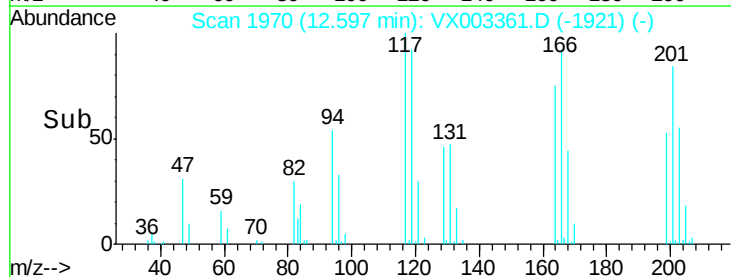
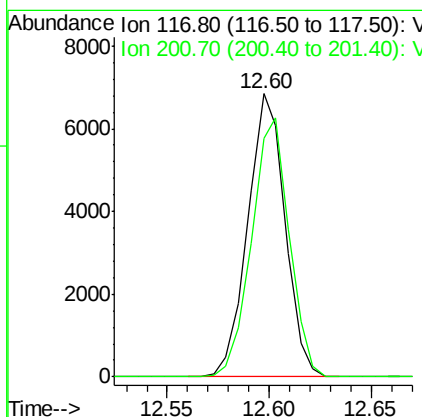
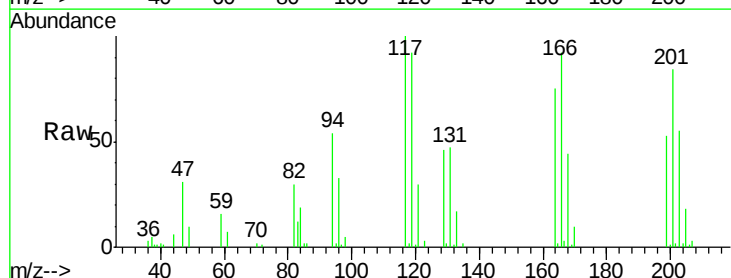
Manual Integrations
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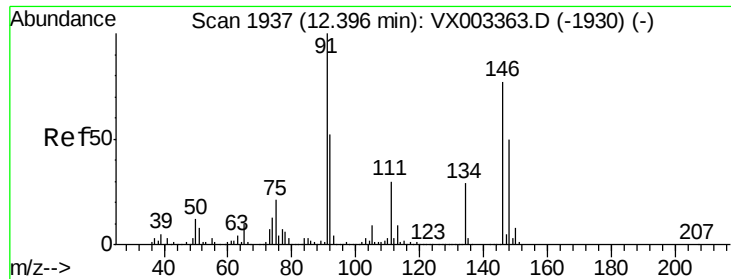
MMDadoda
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#90
Hexachloroethane
Concen: 3.90 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003361.D
Acq: 13 Jul 2018 11:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100				
201	92.5	49.0	147.0		





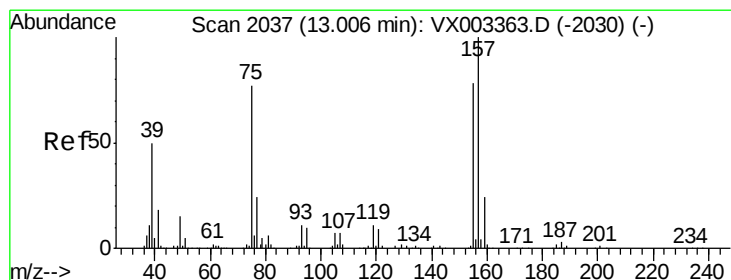
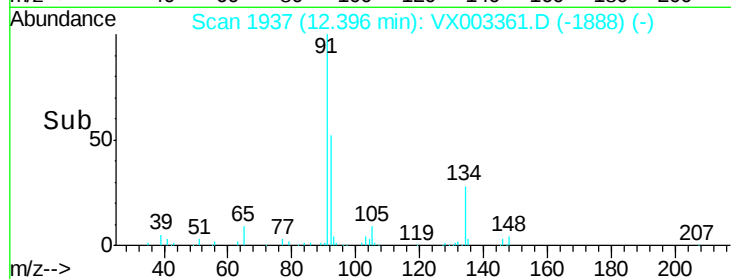
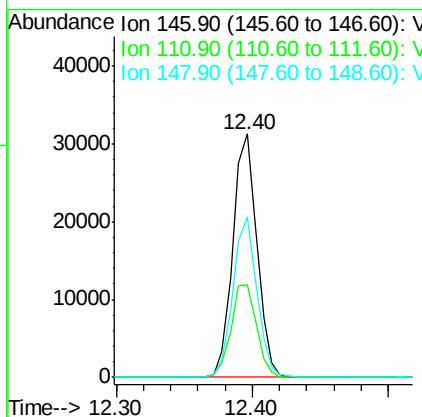
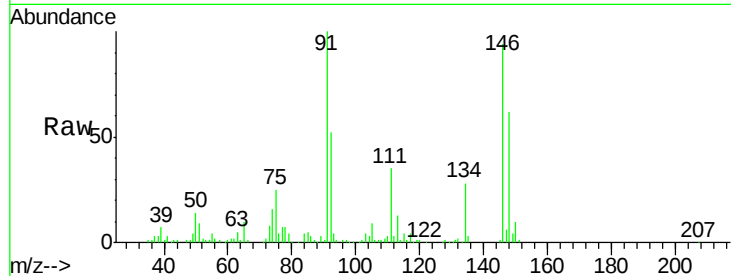
#91
 1,2-Dichlorobenzene
 Concen: 4.47 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003361.D
 Acq: 13 Jul 2018 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.4	58.1
148	65.1	31.7	95.1

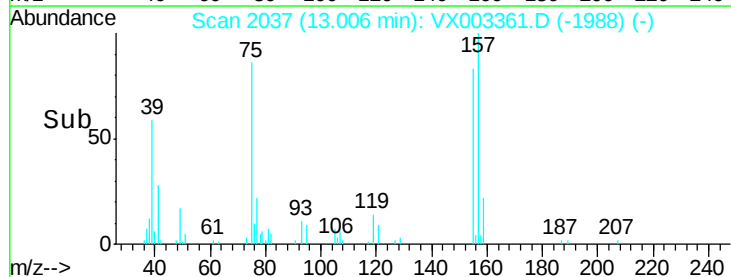
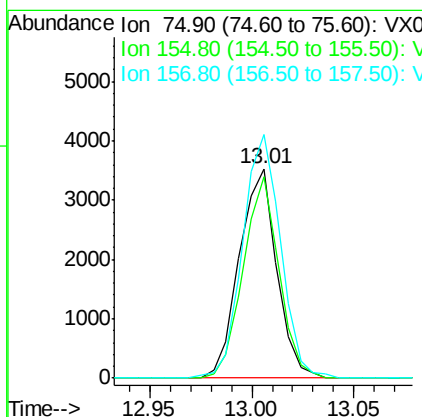
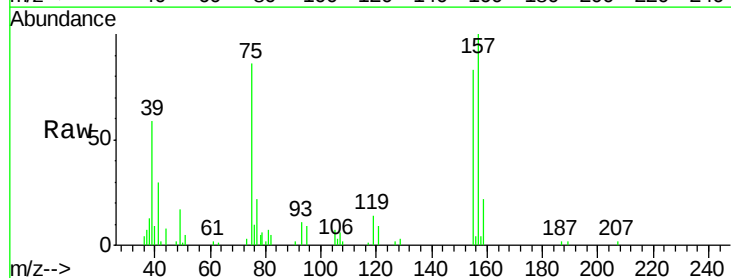
Manual Integrations
 APPROVED

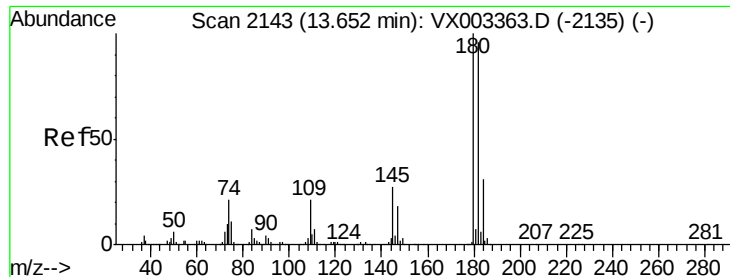
MMDadoda
 7/16/2018 11:24:39 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.15 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003361.D
 Acq: 13 Jul 2018 11:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.5	45.8	137.4
157	118.1	60.1	180.3





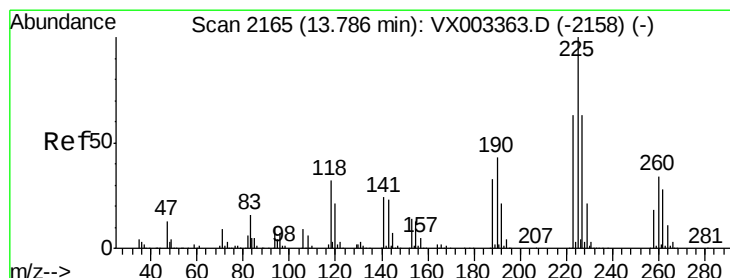
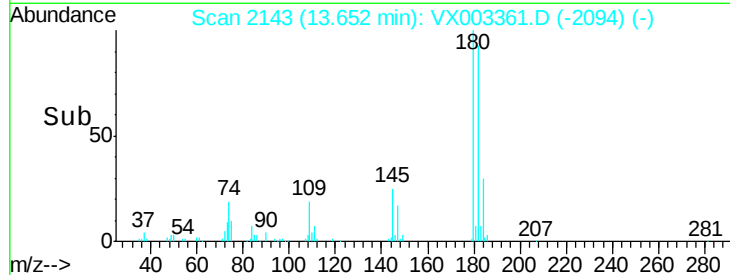
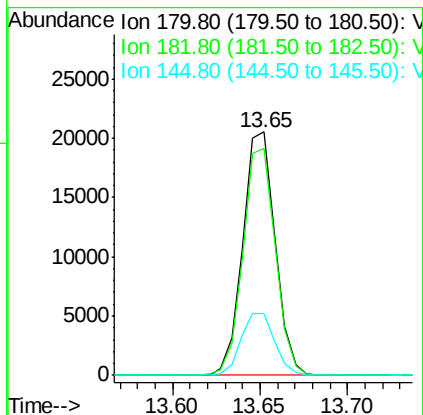
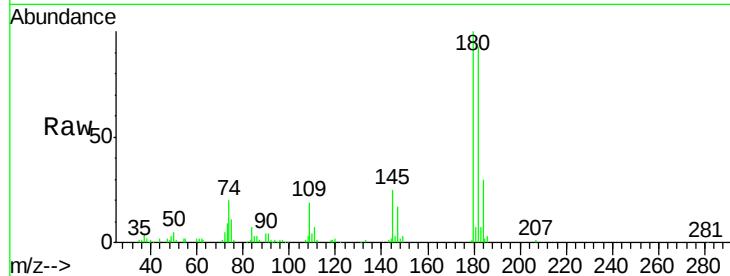
#93
 1,2,4-Trichlorobenzene
 Concen: 4.20 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX003361.D
 Acq: 13 Jul 2018 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.7	143.1
145	26.3	14.1	42.4

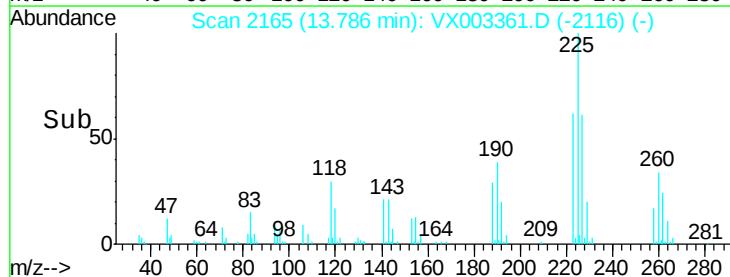
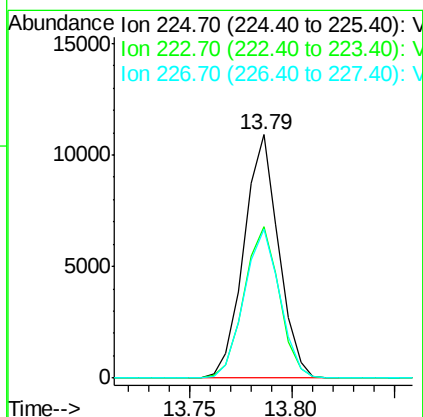
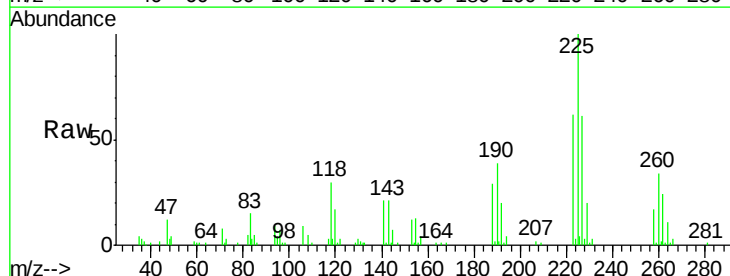
Manual Integrations
 APPROVED

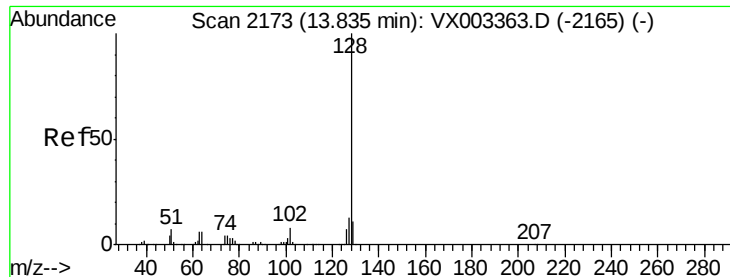
MMDadoda
 7/16/2018 11:24:39 AM



#94
 Hexachlorobutadiene
 Concen: 4.10 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003361.D
 Acq: 13 Jul 2018 11:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.6	95.0
227	63.0	32.4	97.2





#95

Naphthalene

Concen: 4.25 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:128 Resp: 70018

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

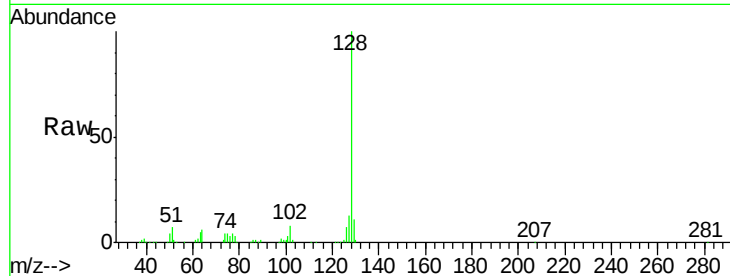
129 10.6 8.6 13.0

Manual Integrations

APPROVED

MMDadoda

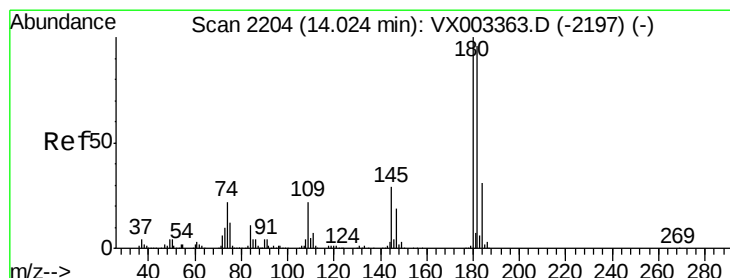
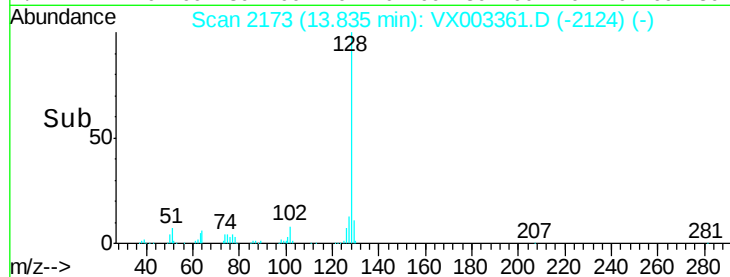
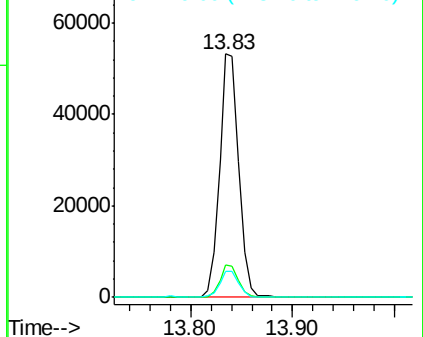
7/16/2018 11:24:39 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.11 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003361.D

Acq: 13 Jul 2018 11:59

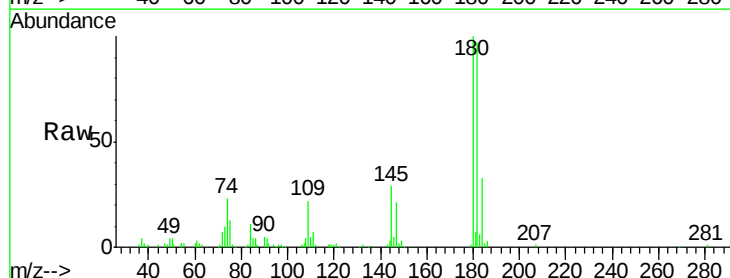
Tgt Ion:180 Resp: 25851

Ion Ratio Lower Upper

180 100

182 96.6 48.0 144.0

145 29.7 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

