

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071318\
 Data File : VX003367.D
 Acq On : 13 Jul 2018 15:03
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/16/2018 11:24:43 AM

Quant Time: Jul 13 15:50:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 13 13:46:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	309786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	441129	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	417346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	241064	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	23721	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	
35) Dibromofluoromethane	5.50	113	19918	4.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.40%	
50) Toluene-d8	8.72	98	76355	4.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.08%	
62) 4-Bromofluorobenzene	11.14	95	27501	4.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	15395	3.27	ug/l	99
3) Chloromethane	1.32	50	19318	4.51	ug/l	99
4) Vinyl Chloride	1.40	62	21891	4.98	ug/l	95
5) Bromomethane	1.64	94	14390	8.28	ug/l	99
6) Chloroethane	1.72	64	14148	5.81	ug/l	99
7) Trichlorofluoromethane	1.92	101	31350	4.80	ug/l	96
8) Diethyl Ether	2.19	74	13458	5.70	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	19840	5.19	ug/l	99
10) Methyl Iodide	2.51	142	17482	4.61	ug/l	94
11) Tert butyl alcohol	3.08	59	23137	26.18	ug/l	96
12) 1,1-Dichloroethene	2.37	96	18356	5.27	ug/l	89
13) Acrolein	2.29	56	13869	19.47	ug/l	100
14) Allyl chloride	2.73	41	34147	5.30	ug/l	90
15) Acrylonitrile	3.15	53	57522	29.14	ug/l	99
16) Acetone	2.45	43	44678	25.81	ug/l #	88
17) Carbon Disulfide	2.57	76	46330	4.79	ug/l	99
18) Methyl Acetate	2.78	43	25999	5.32	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	64618	5.56	ug/l	99
20) Methylene Chloride	2.86	84	21973	5.62	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	20185	5.44	ug/l	96
22) Diisopropyl ether	3.87	45	64054	4.88	ug/l	98
23) Vinyl Acetate	3.82	43	266658	23.94	ug/l	97
24) 1,1-Dichloroethane	3.70	63	38439	5.63	ug/l	98
25) 2-Butanone	4.71	43	70972	23.17	ug/l	93
26) 2,2-Dichloropropane	4.59	77	27508	4.61	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	22486	4.93	ug/l	46
28) Bromochloromethane	5.02	49	17408	5.06	ug/l	93
29) Tetrahydrofuran	5.17	42	45200	22.74	ug/l	92
30) Chloroform	5.21	83	36196	4.82	ug/l	96
31) Cyclohexane	5.57	56	30233	4.73	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	29076	4.39	ug/l	98
36) 1,1-Dichloropropene	5.80	75	26167	4.19	ug/l	97
37) Ethyl Acetate	4.87	43	27184	3.97	ug/l #	92
38) Carbon Tetrachloride	5.78	117	25319	3.71	ug/l	100

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Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	29802	4.05	ug/l	95
40) Benzene	6.15	78	81320	4.39	ug/l	98
41) Methacrylonitrile	5.07	41	15998	4.27	ug/l	94
42) 1,2-Dichloroethane	6.20	62	27963	4.04	ug/l	96
43) Isopropyl Acetate	6.47	43	42407	3.94	ug/l	94
44) Trichloroethene	7.22	130	23645	4.32	ug/l	95
45) 1,2-Dichloropropane	7.52	63	21346	4.44	ug/l	97
46) Dibromomethane	7.67	93	13629	4.16	ug/l	98
47) Bromodichloromethane	7.90	83	24171	3.99	ug/l	96
48) Methyl methacrylate	7.78	41	20774	3.77	ug/l #	86
49) 1,4-Dioxane	7.76	88	9665	83.84	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	138310	20.67	ug/l	94
52) Toluene	8.79	92	51902	4.44	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	28867	4.05	ug/l	97
54) cis-1,3-Dichloropropene	9.04	75	25630	3.96	ug/l	91
55) 1,1,2-Trichloroethane	9.22	97	21248	4.38	ug/l	95
56) Ethyl methacrylate	9.18	69	28762	4.33	ug/l #	84
57) 1,3-Dichloropropane	9.37	76	34825	4.45	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	68899	21.49	ug/l	97
59) 2-Hexanone	9.50	43	101524	19.97	ug/l	91
60) Dibromochloromethane	9.59	129	18999	3.75	ug/l	99
61) 1,2-Dibromoethane	9.68	107	21190	4.17	ug/l	99
64) Tetrachloroethene	9.34	164	25762	4.08	ug/l	94
65) Chlorobenzene	10.14	112	59948	4.23	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	20041	3.92	ug/l	99
67) Ethyl Benzene	10.26	91	96267	4.20	ug/l	99
68) m/p-Xylenes	10.36	106	73315	8.22	ug/l	99
69) o-Xylene	10.70	106	35964	4.16	ug/l	98
70) Styrene	10.71	104	57576	4.11	ug/l	98
71) Bromoform	10.86	173	13810	3.28	ug/l #	99
73) Isopropylbenzene	11.02	105	96091	5.05	ug/l	100
74) N-amyl acetate	6.47	43	42407	4.67	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	31363	5.31	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	27033m	5.19	ug/l	
77) Bromobenzene	11.26	156	27659	5.03	ug/l	98
78) n-propylbenzene	11.36	91	105874	5.00	ug/l	99
79) 2-Chlorotoluene	11.42	91	67338	5.22	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	78208	4.93	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	6753	4.24	ug/l	92
82) 4-Chlorotoluene	11.51	91	77310	5.14	ug/l	98
83) tert-Butylbenzene	11.77	119	75470	4.77	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	79033	4.87	ug/l	97
85) sec-Butylbenzene	11.95	105	92256	4.93	ug/l	100
86) p-Isopropyltoluene	12.07	119	81813	4.80	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	50527	5.01	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	51138	5.01	ug/l	96
89) n-Butylbenzene	12.39	91	68482	4.81	ug/l	99
90) Hexachloroethane	12.60	117	10595	4.07	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	49787	4.92	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	5277	4.17	ug/l	94

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ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

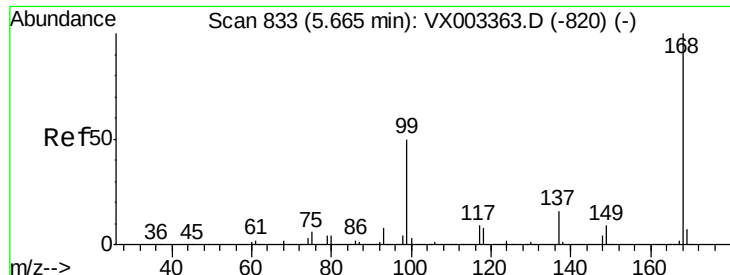
Manual Integrations
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QLast Update : Fri Jul 13 13:46:43 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	33826	4.59	ug/l	99
94) Hexachlorobutadiene	13.79	225	16514	4.50	ug/l	99
95) Naphthalene	13.83	128	91570	4.75	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	34196	4.65	ug/l	100

(#) = 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: VX003367.D

Acq: 13 Jul 2018 15:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 309786

Ion Ratio Lower Upper

168 100

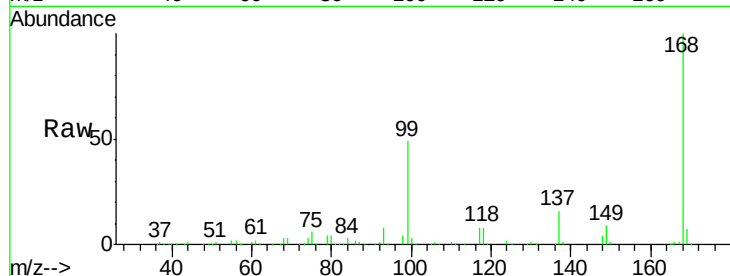
99 48.7 39.3 58.9

Manual Integrations

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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

120000

100000

80000

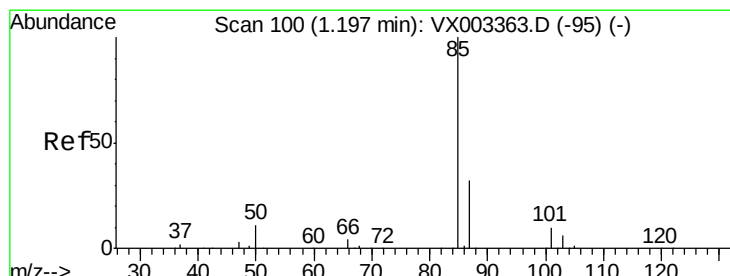
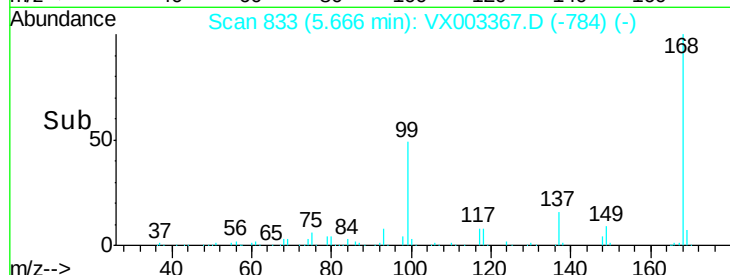
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 3.27 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003367.D

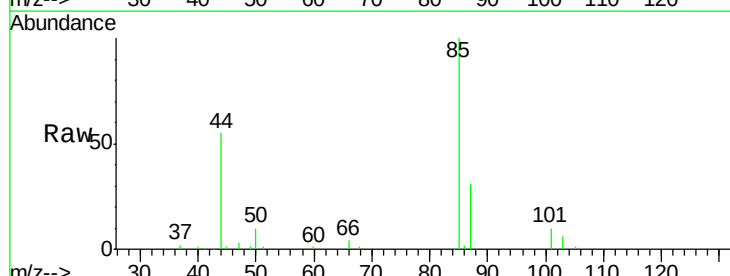
Acq: 13 Jul 2018 15:03

Tgt Ion: 85 Resp: 15395

Ion Ratio Lower Upper

85 100

87 31.5 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

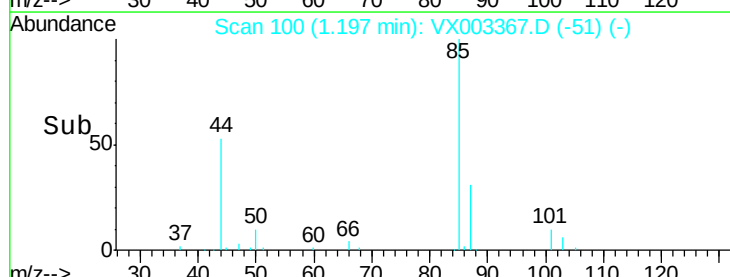
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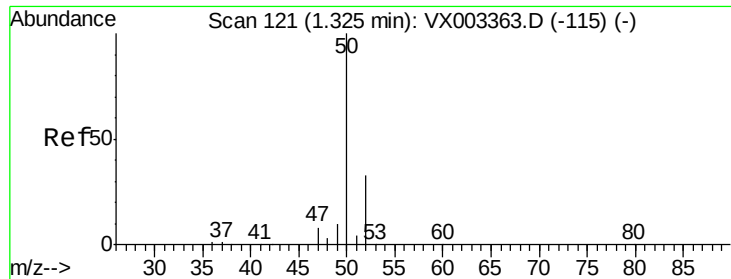
10000

5000

0

Time-->





#3

Chloromethane

Concen: 4.51 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 19318

Ion Ratio Lower Upper

50 100

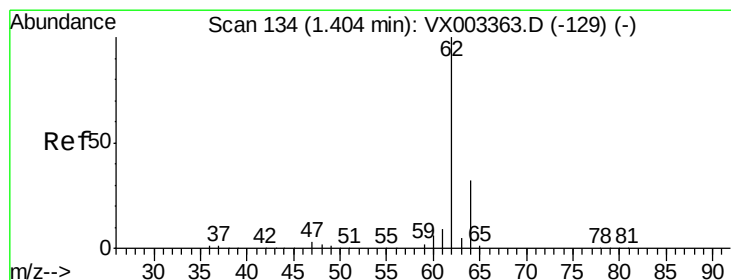
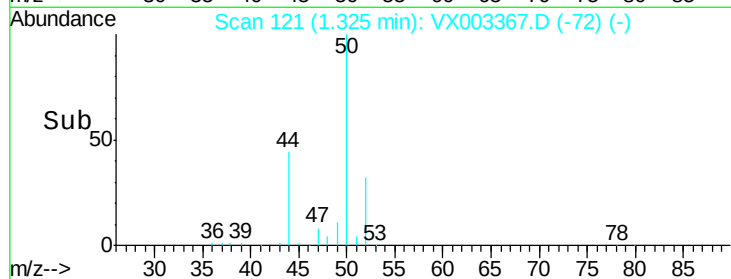
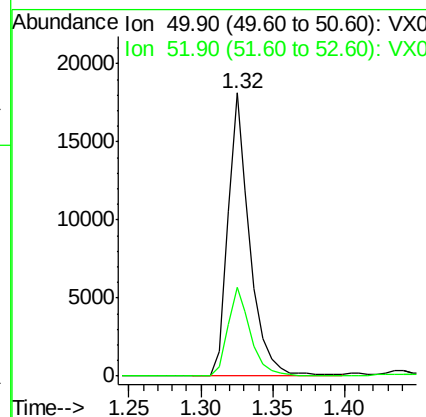
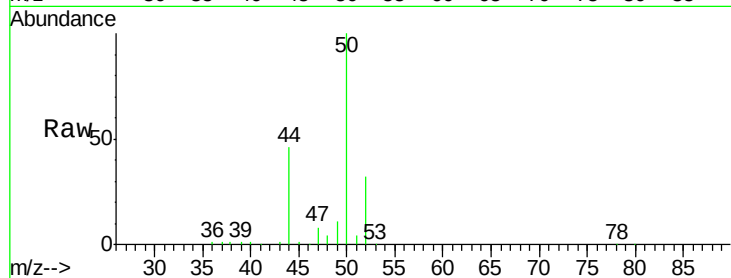
52 31.6 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 4.98 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003367.D

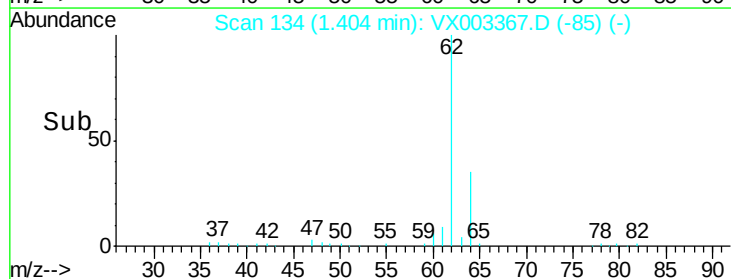
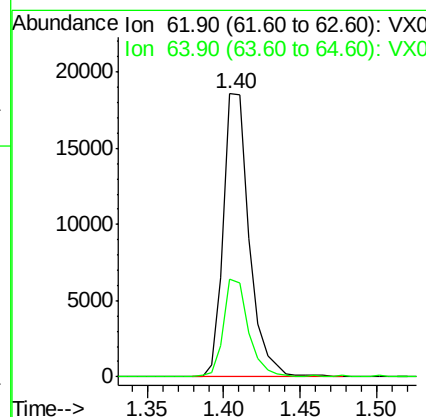
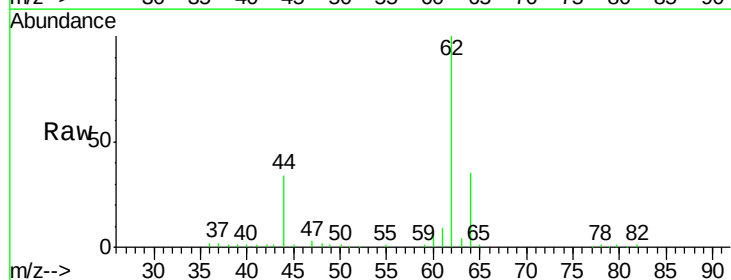
Acq: 13 Jul 2018 15:03

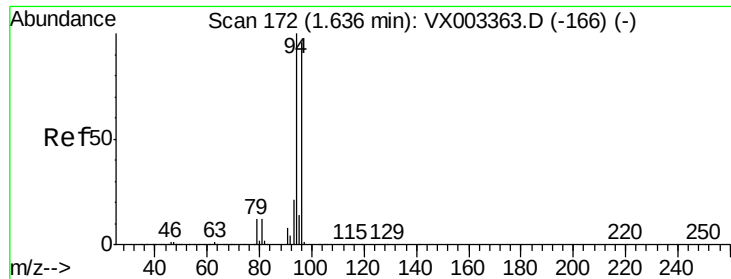
Tgt Ion: 62 Resp: 21891

Ion Ratio Lower Upper

62 100

64 34.6 25.4 38.2





#5

Bromomethane

Concen: 8.28 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 14390

Ion Ratio Lower Upper

94 100

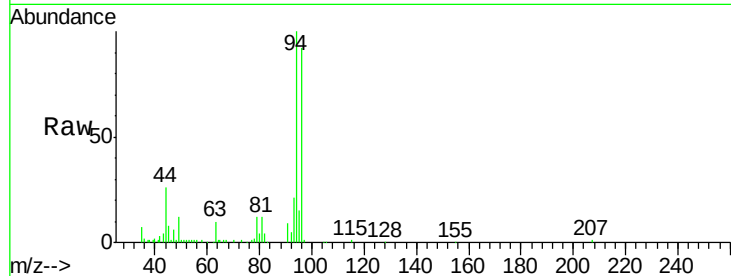
96 92.7 74.9 112.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

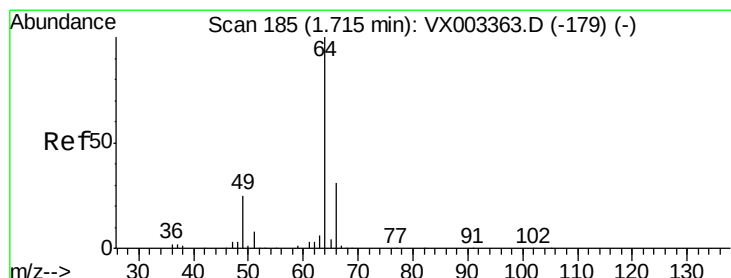
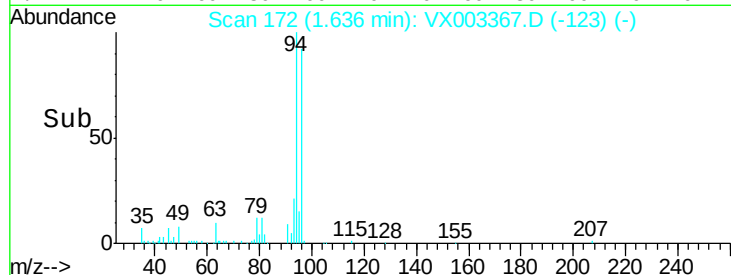
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 5.81 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003367.D

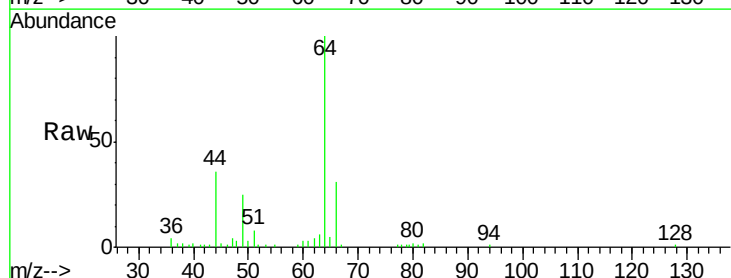
Acq: 13 Jul 2018 15:03

Tgt Ion: 64 Resp: 14148

Ion Ratio Lower Upper

64 100

66 31.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

12000

10000

8000

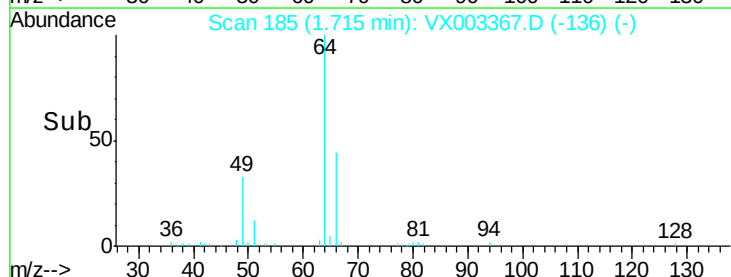
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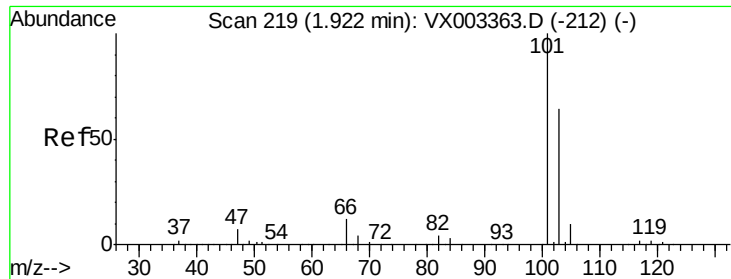
4000

2000

0

Time-->





#7

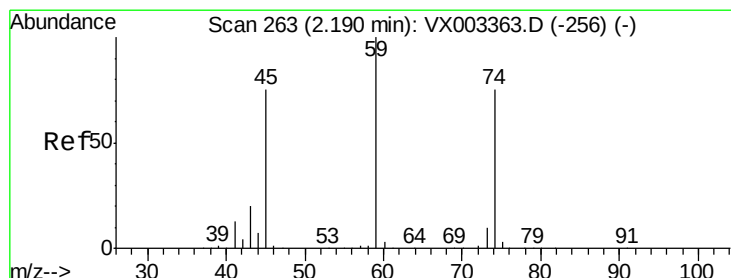
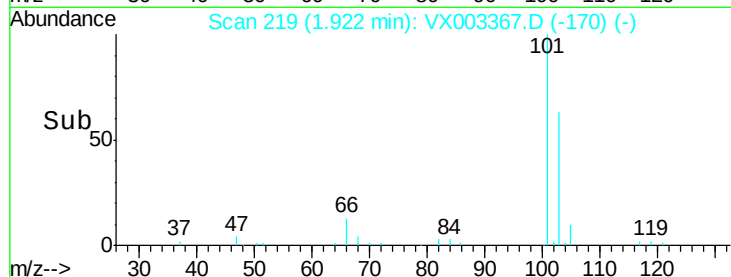
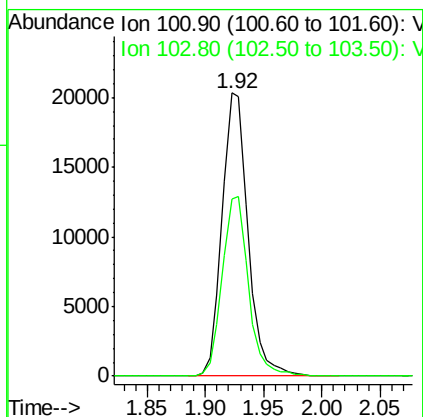
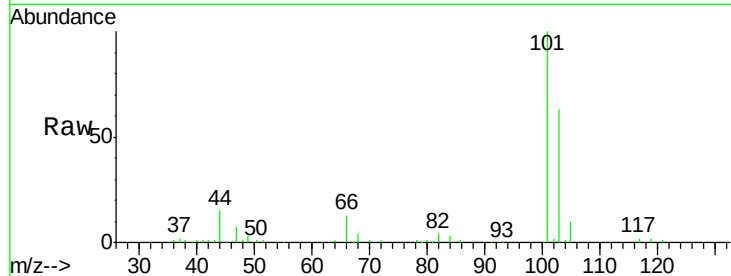
Trichlorofluoromethane
Concen: 4.80 ug/l
RT: 1.92 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:101 Resp: 31350
Ion Ratio Lower Upper
101 100
103 62.7 52.8 79.2

Manual Integrations
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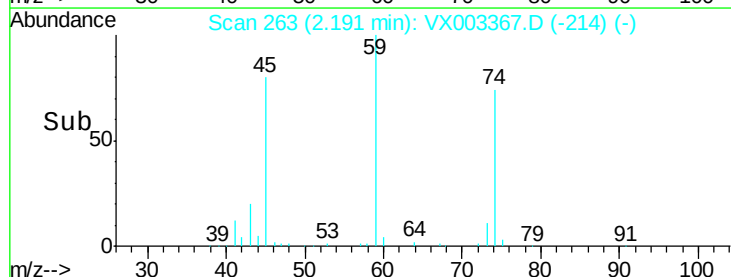
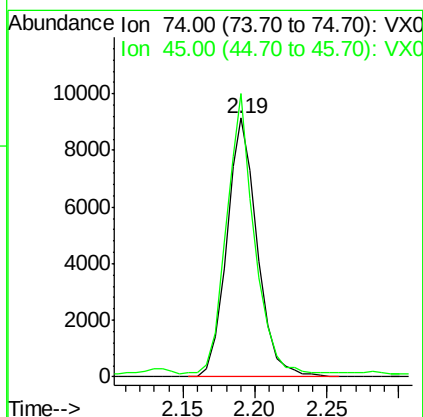
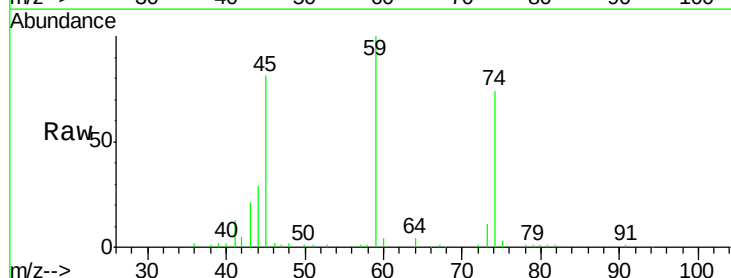
MMDadoda
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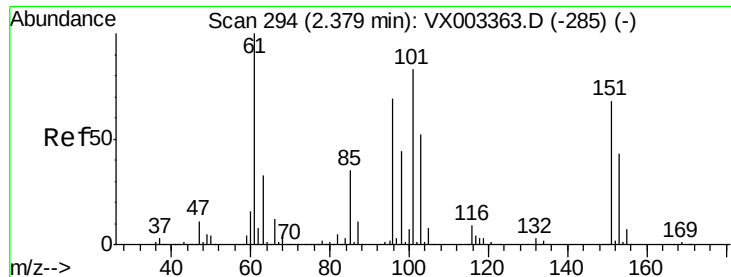


#8

Diethyl Ether
Concen: 5.70 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Tgt Ion: 74 Resp: 13458
Ion Ratio Lower Upper
74 100
45 99.7 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.19 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Instrument :

MSVOA_X

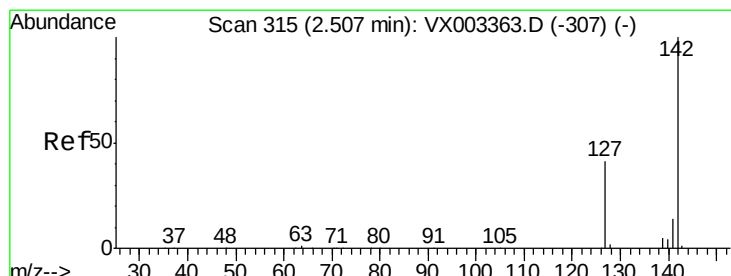
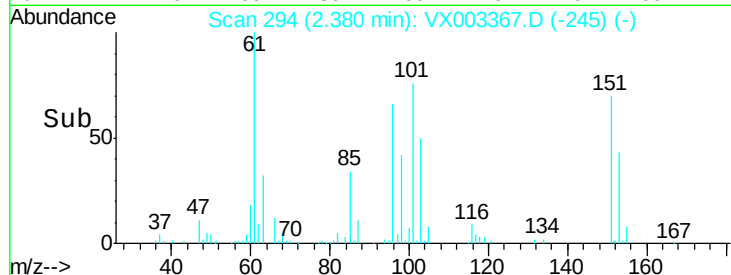
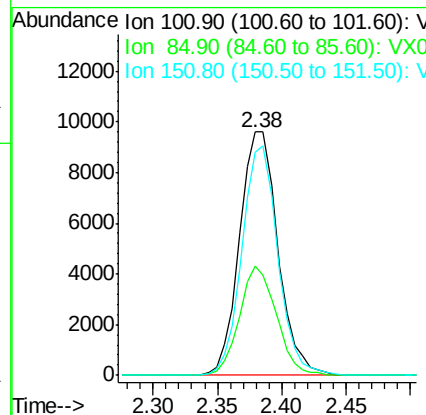
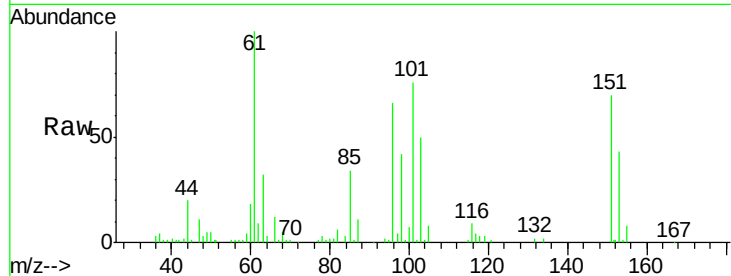
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	19840
Ion Ratio	Lower	Upper	
101	100		
85	43.0	36.0	54.0
151	88.4	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 4.61 ug/l

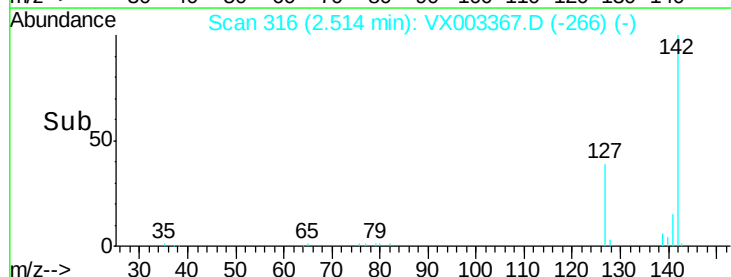
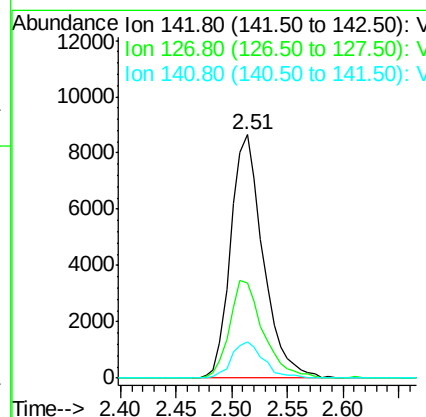
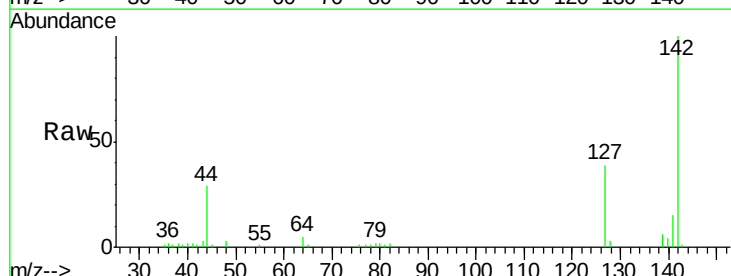
RT: 2.51 min Scan# 316

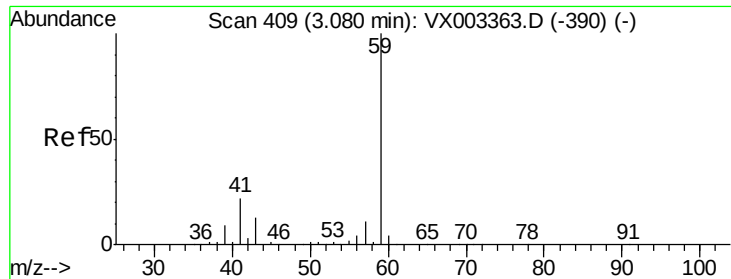
Delta R.T. 0.01 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Tgt Ion:	142	Resp:	17482
Ion Ratio	Lower	Upper	
142	100		
127	41.2	36.6	55.0
141	14.8	11.3	16.9





#11

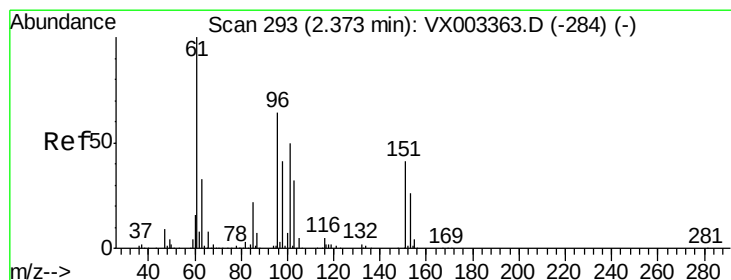
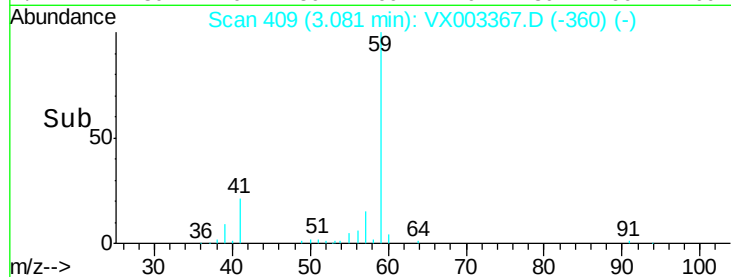
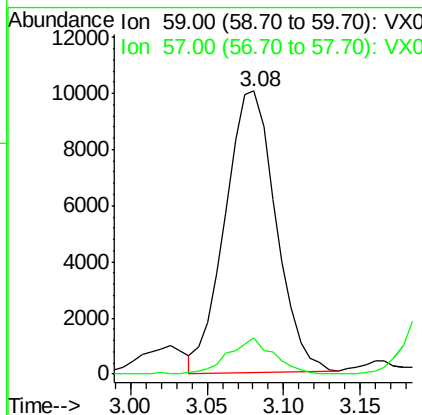
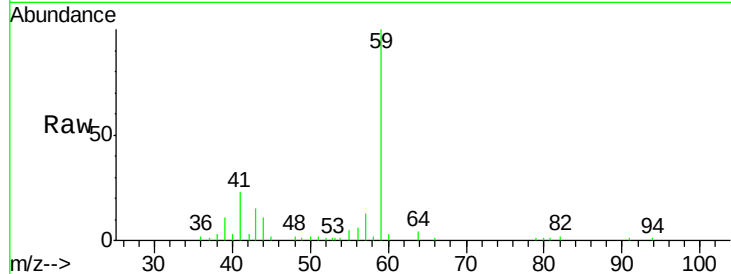
Tert butyl alcohol
Concen: 26.18 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	11.6	8.2	12.2

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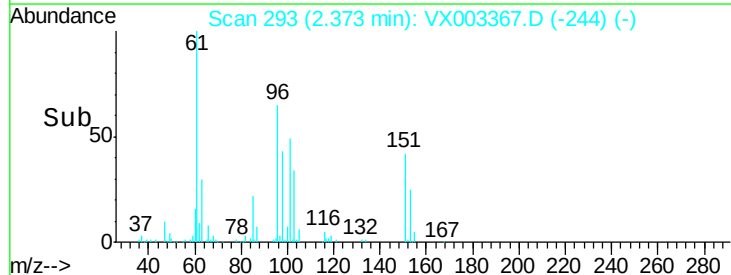
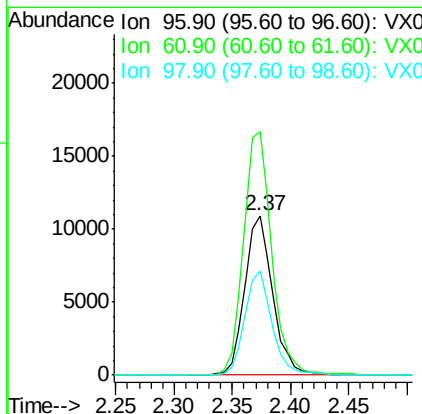
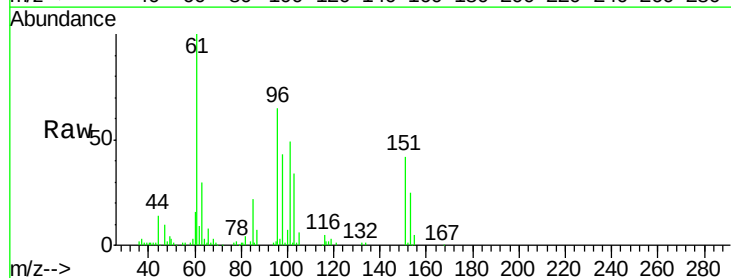
MMDadoda
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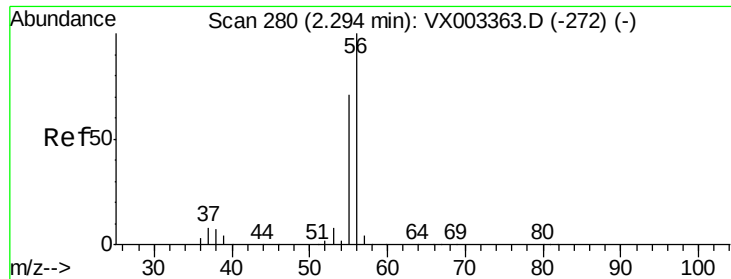


#12

1,1-Dichloroethene
Concen: 5.27 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	152.7	137.9	206.9
98	98	65.4	51.6	77.4





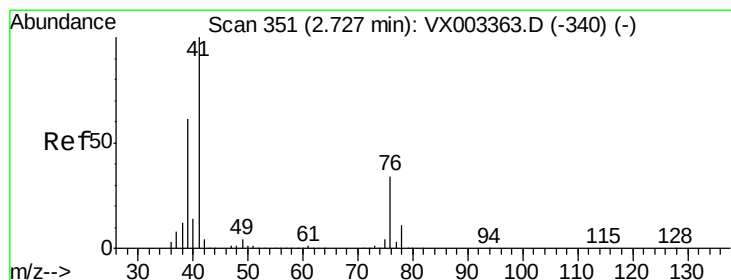
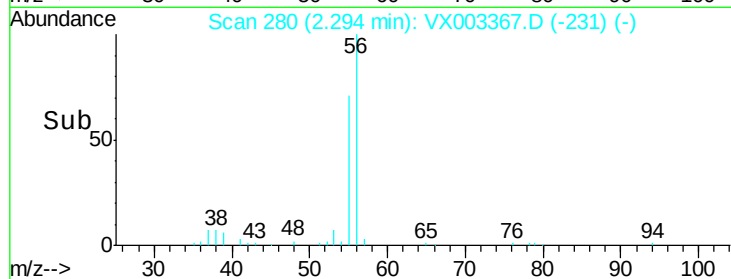
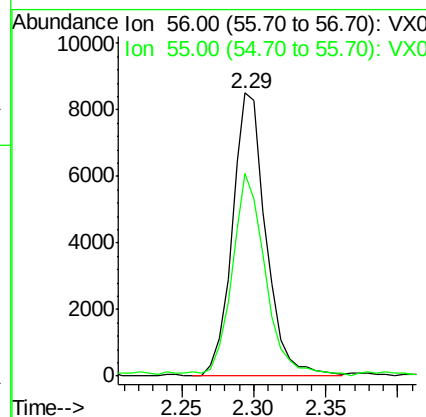
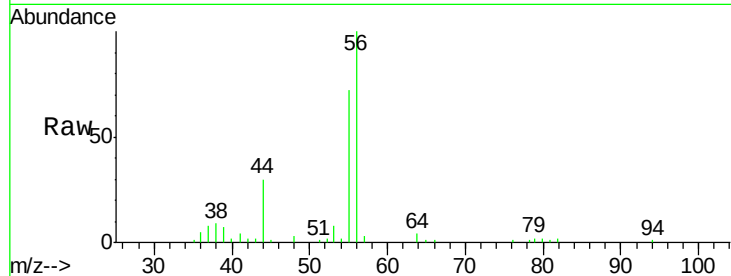
#13
Acrolein
Concen: 19.47 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	56	Resp	13869
Ion Ratio	100	Lower	Upper
55	71.5	57.0	85.4

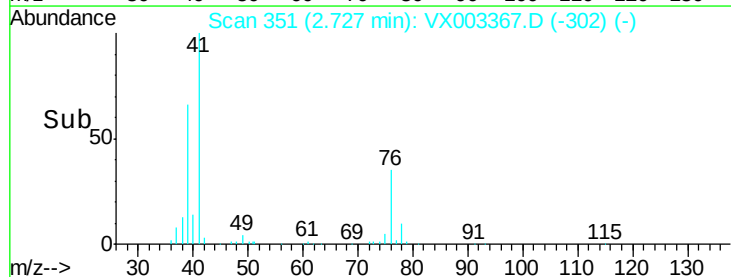
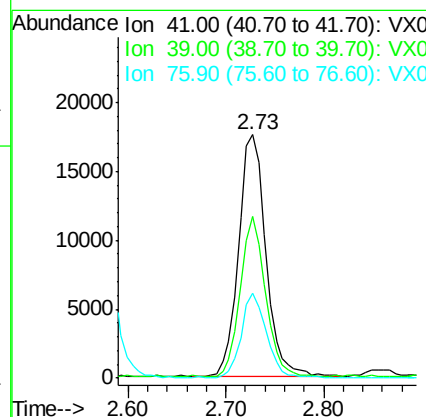
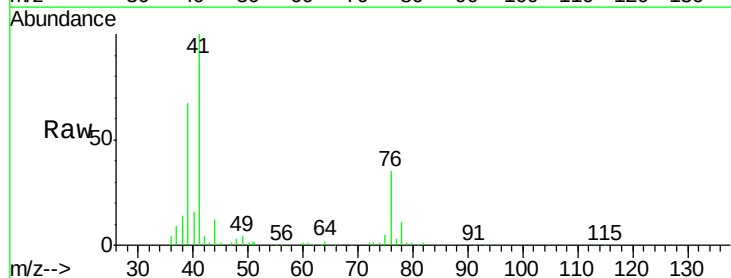
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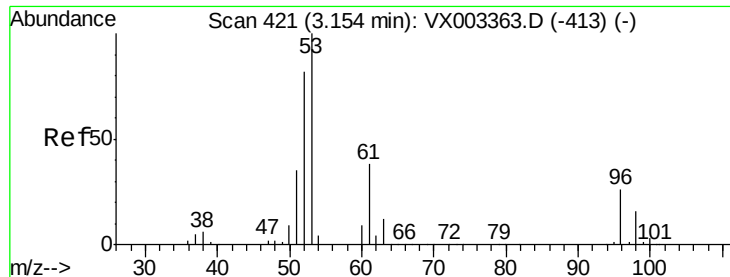
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#14
Allyl chloride
Concen: 5.30 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Tgt Ion	41	Resp	34147
Ion Ratio	100	Lower	Upper
39	61.4	56.8	85.2
76	32.4	23.8	35.8





#15

Acrylonitrile

Concen: 29.14 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Instrument :

MSVOA_X

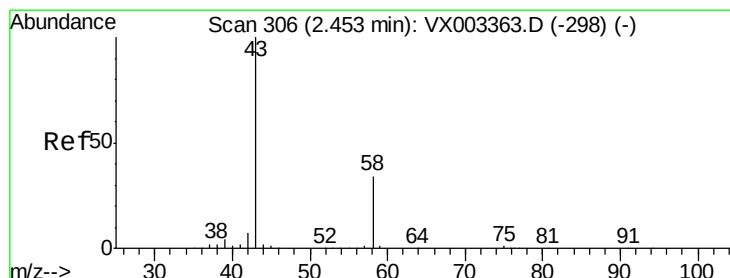
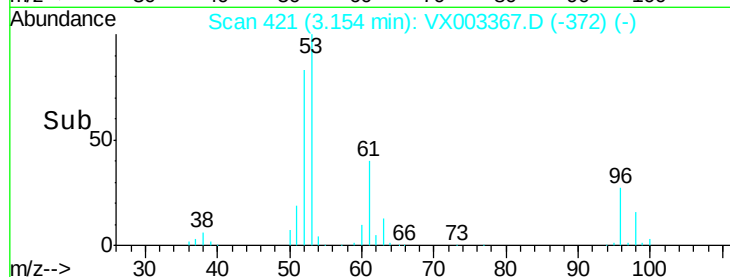
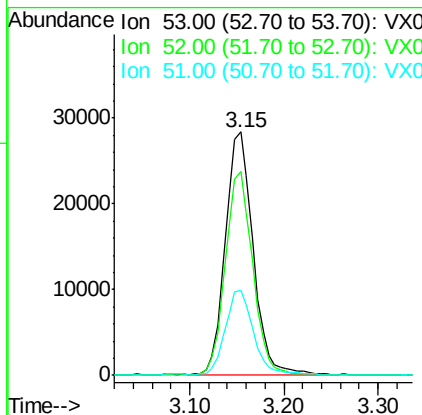
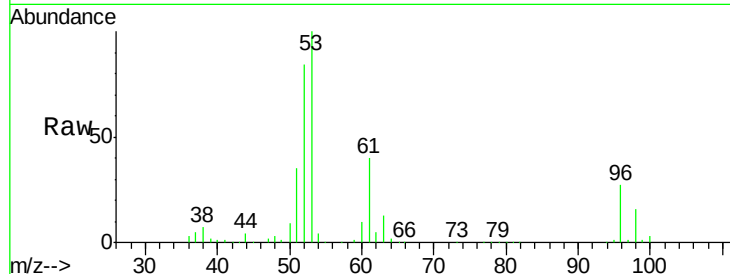
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	57522
Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.7	100.1
51	36.0	29.9	44.9

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#16

Acetone

Concen: 25.81 ug/l

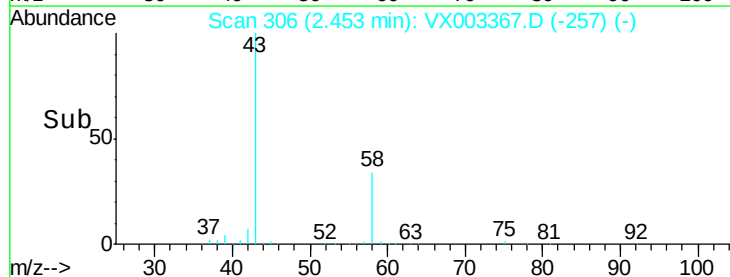
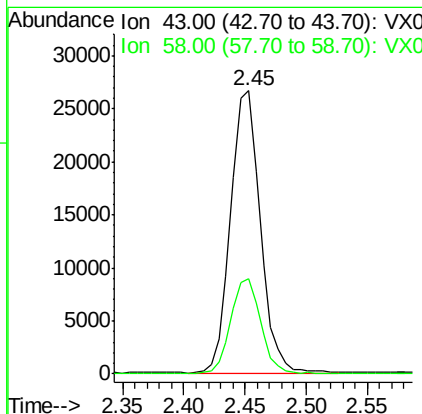
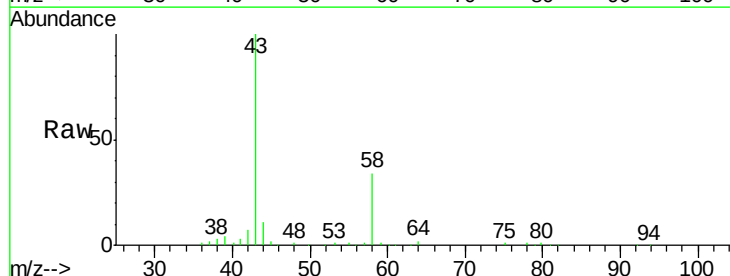
RT: 2.45 min Scan# 306

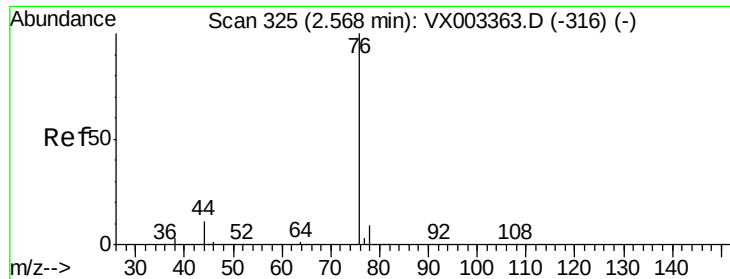
Delta R.T. 0.00 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Tgt Ion:	43	Resp:	44678
Ion	Ratio	Lower	Upper
43	100		
58	33.9	22.1	33.1#





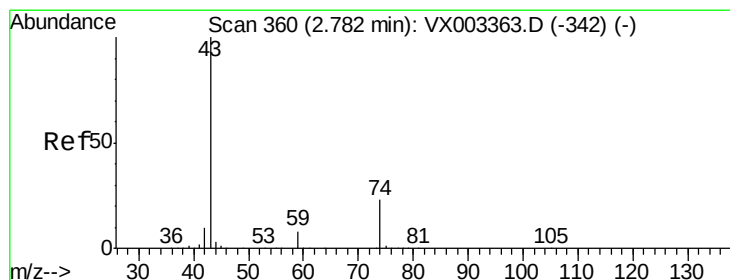
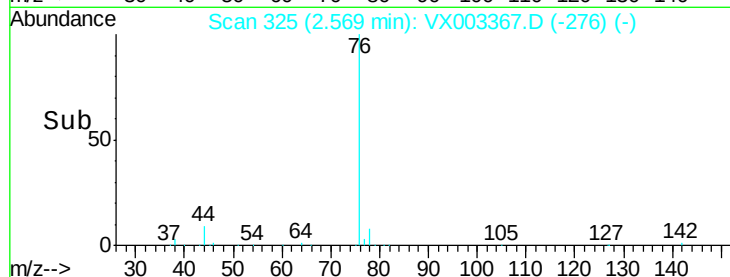
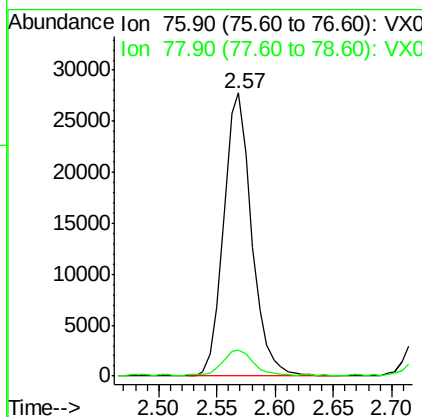
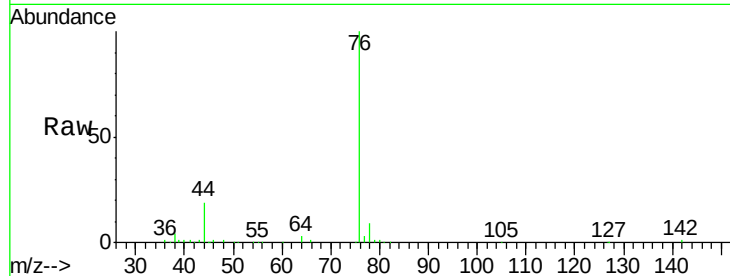
#17
Carbon Disulfide
Concen: 4.79 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.9	10.3

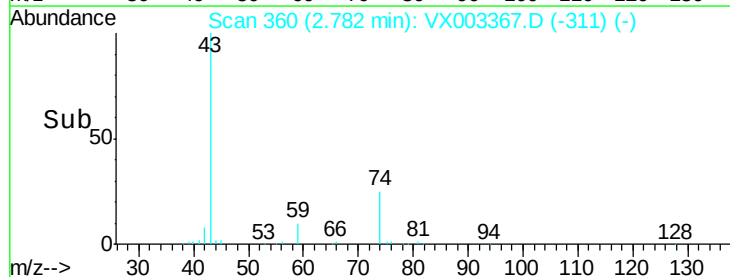
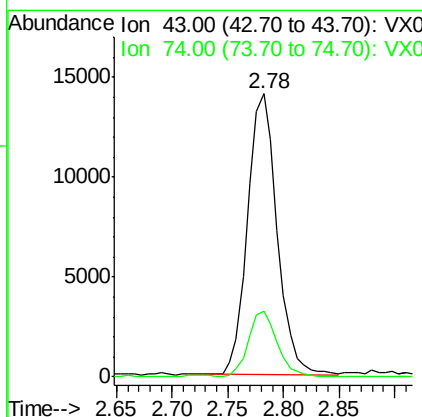
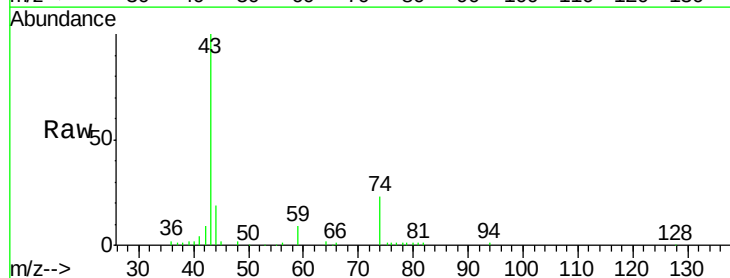
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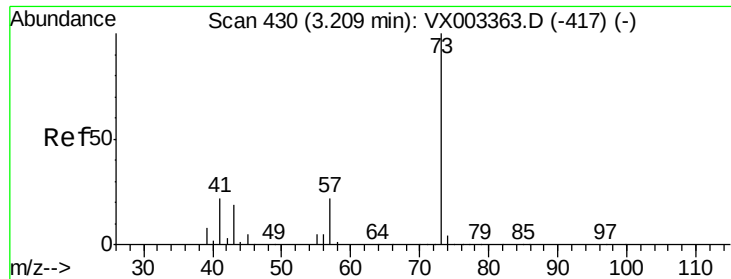
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#18
Methyl Acetate
Concen: 5.32 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	16.7	25.1





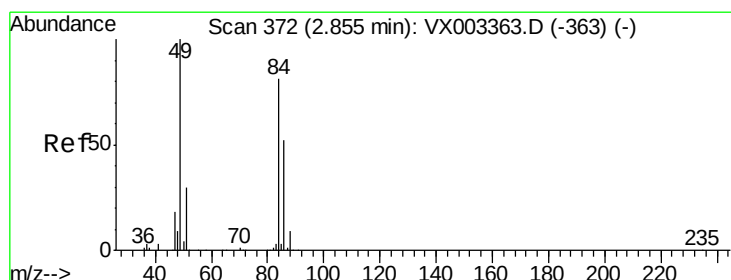
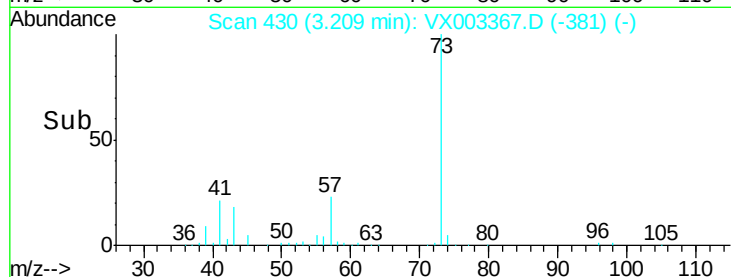
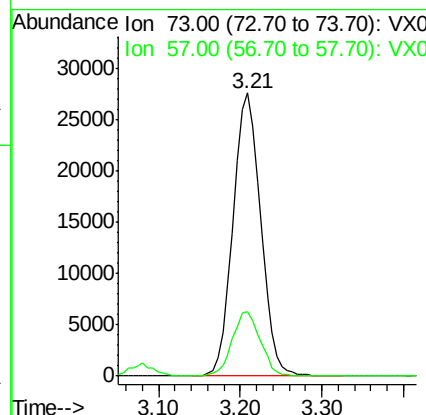
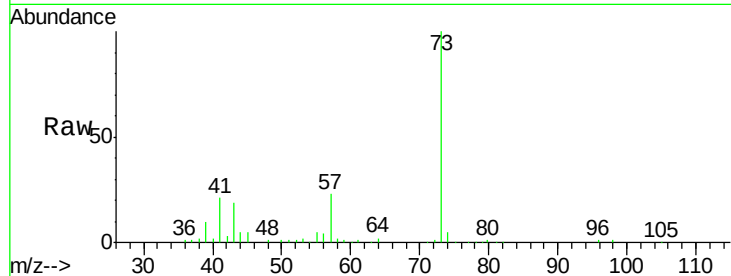
#19
Methyl tert-butyl Ether
Concen: 5.56 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 64618
Ion Ratio Lower Upper
73 100
57 22.6 17.7 26.5

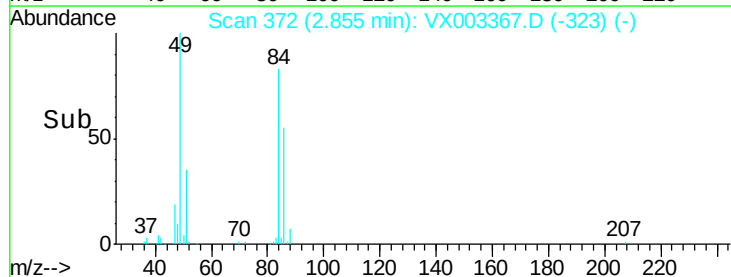
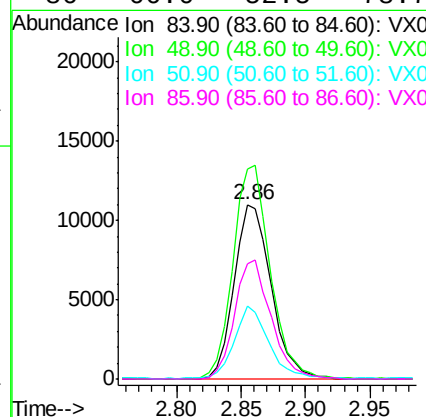
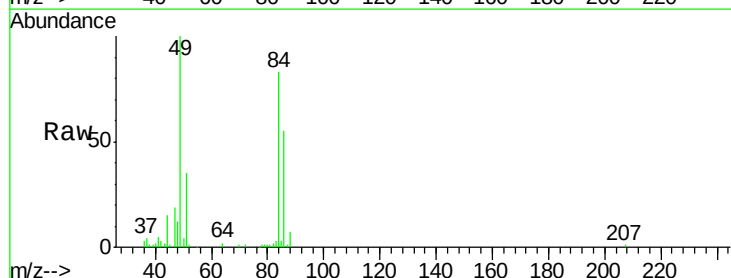
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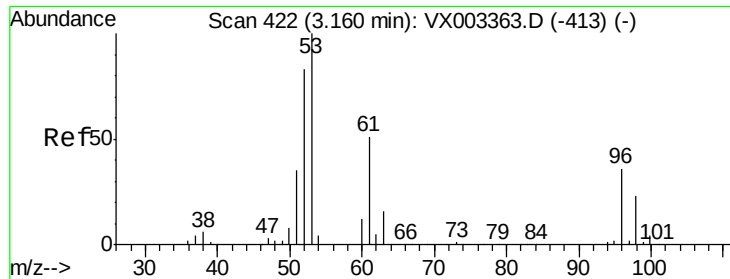
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#20
Methylene Chloride
Concen: 5.62 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Tgt Ion: 84 Resp: 21973
Ion Ratio Lower Upper
84 100
49 120.8 107.8 161.6
51 41.8 32.8 49.2
86 66.0 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 5.44 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Instrument :

MSVOA_X

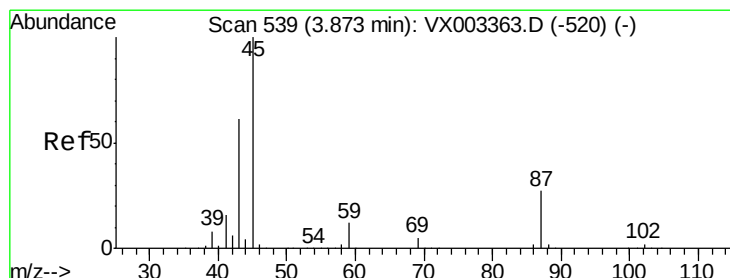
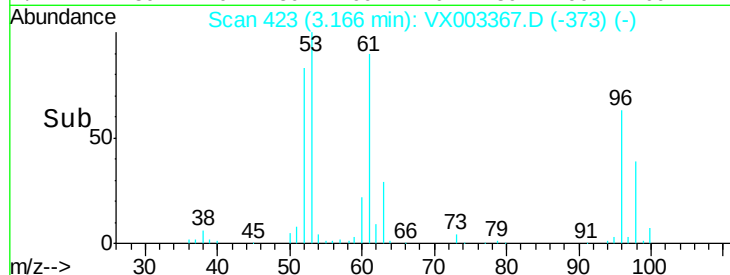
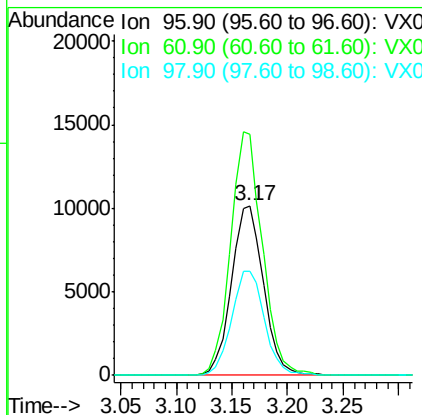
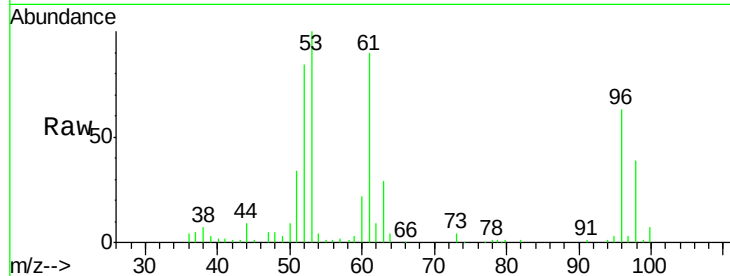
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	20185
Ion	Ratio	Lower	Upper
96	100		
61	141.8	117.0	175.4
98	61.6	52.4	78.6

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#22

Diisopropyl ether

Concen: 4.88 ug/l

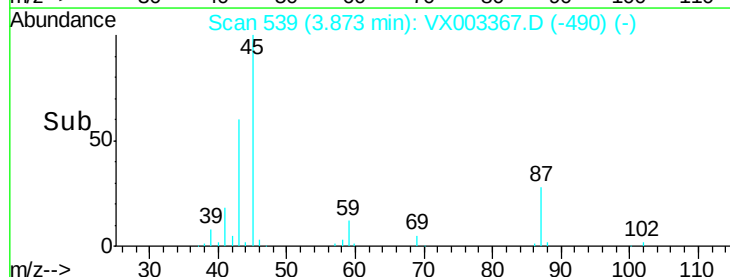
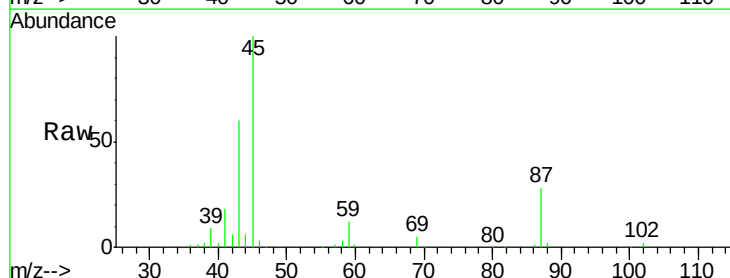
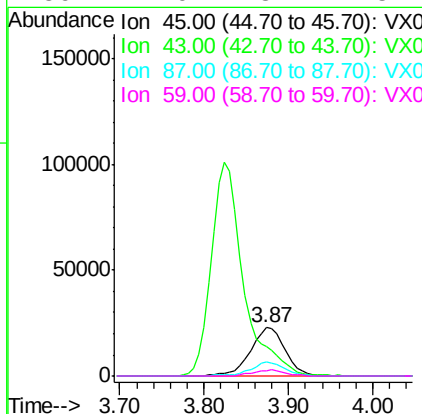
RT: 3.87 min Scan# 539

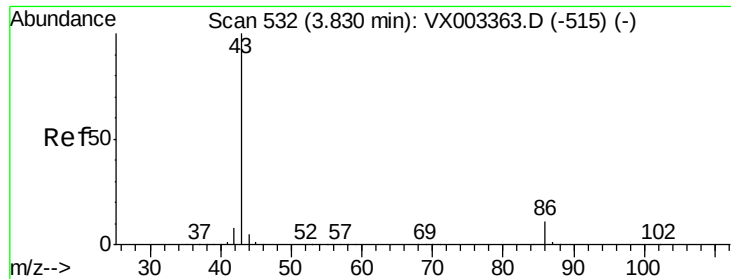
Delta R.T. 0.00 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Tgt Ion:	45	Resp:	64054
Ion	Ratio	Lower	Upper
45	100		
43	59.1	46.8	70.2
87	28.2	20.2	30.4
59	12.0	8.7	13.1





#23

Vinyl Acetate

Concen: 23.94 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 266658

Ion Ratio Lower Upper

43 100

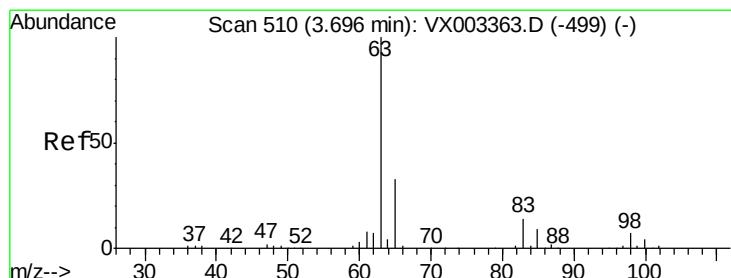
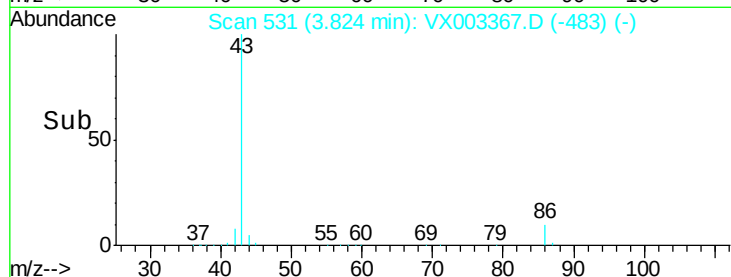
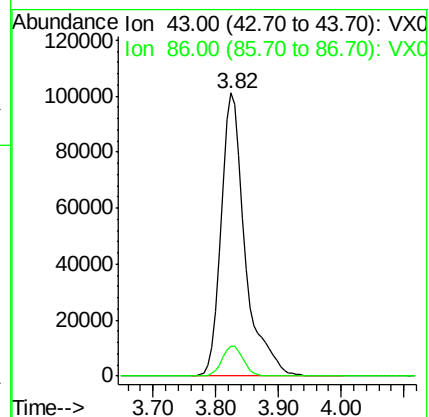
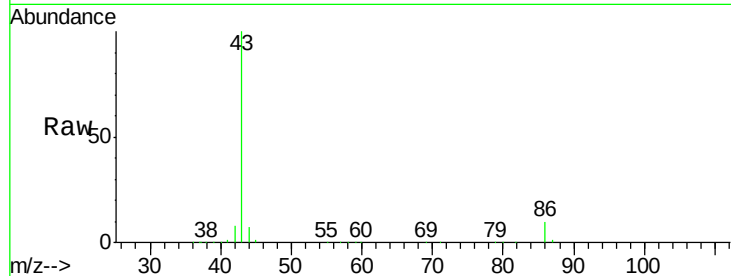
86 10.4 7.4 11.0

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#24

1,1-Dichloroethane

Concen: 5.63 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

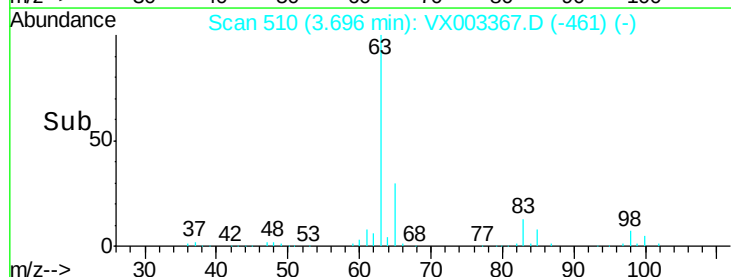
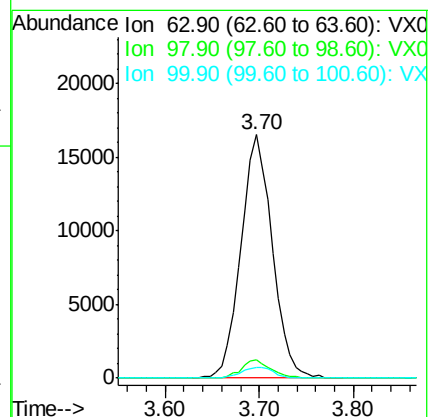
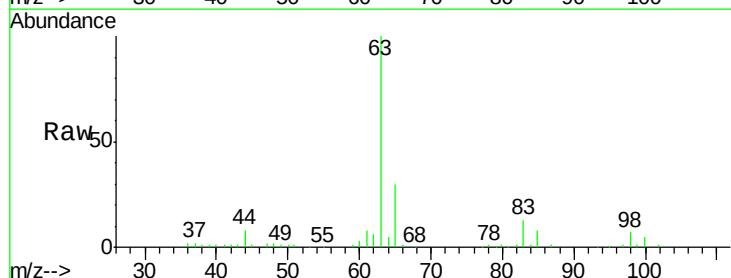
Tgt Ion: 63 Resp: 38439

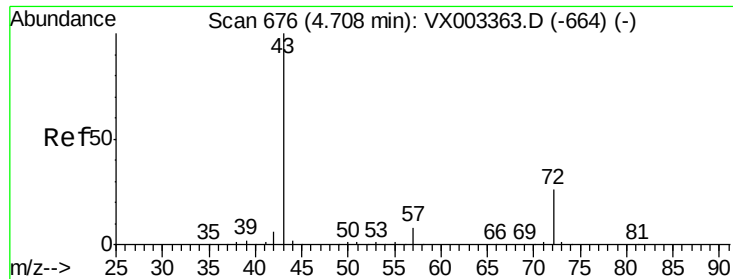
Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.2

100 4.5 2.0 6.0





#25

2-Butanone

Concen: 23.17 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 70972

Ion Ratio Lower Upper

43 100

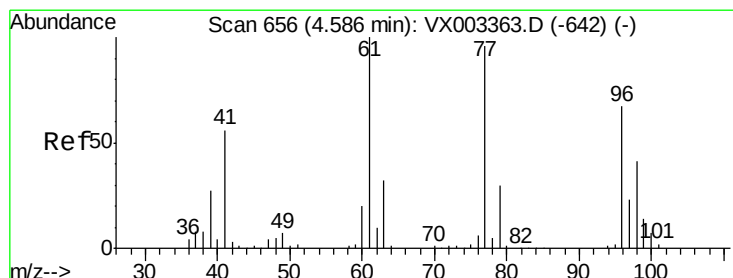
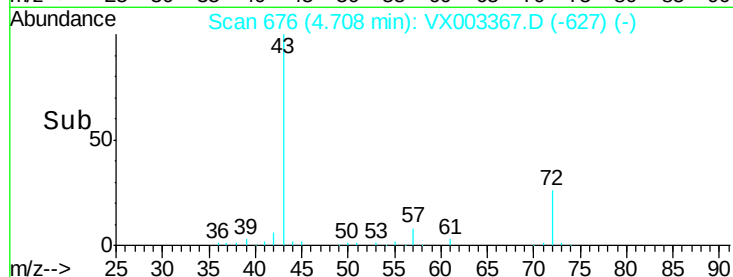
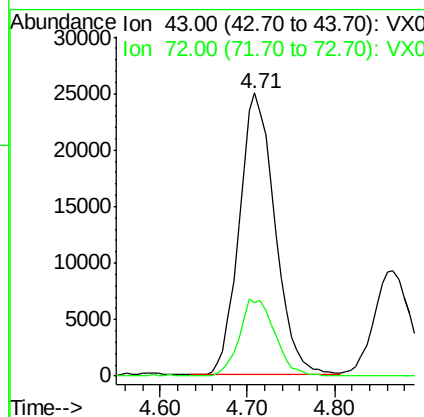
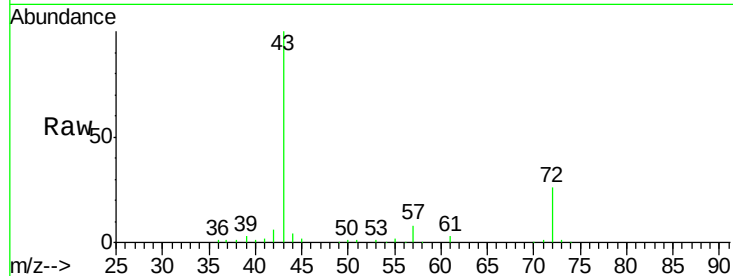
72 26.3 18.5 27.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 4.61 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003367.D

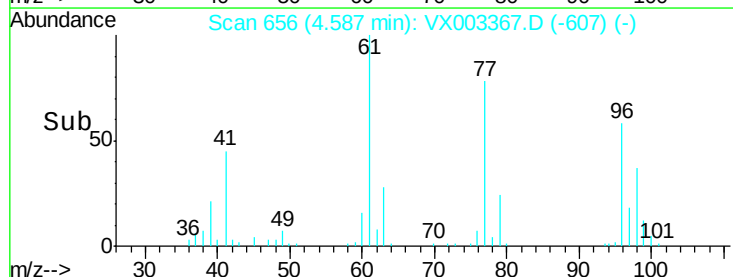
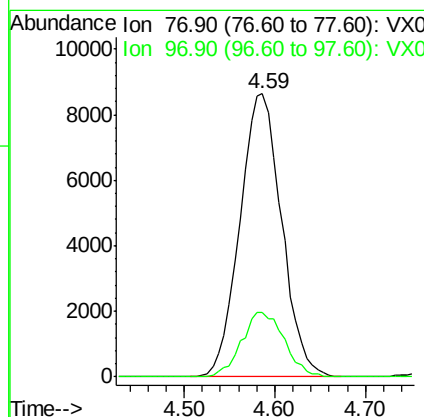
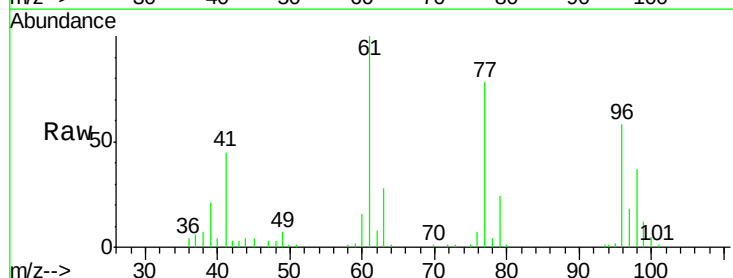
Acq: 13 Jul 2018 15:03

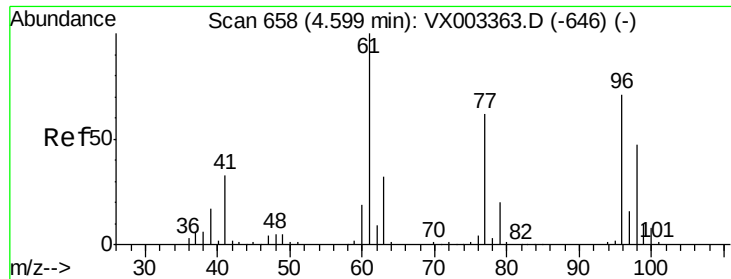
Tgt Ion: 77 Resp: 27508

Ion Ratio Lower Upper

77 100

97 23.3 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 4.93 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Instrument :

MSVOA_X

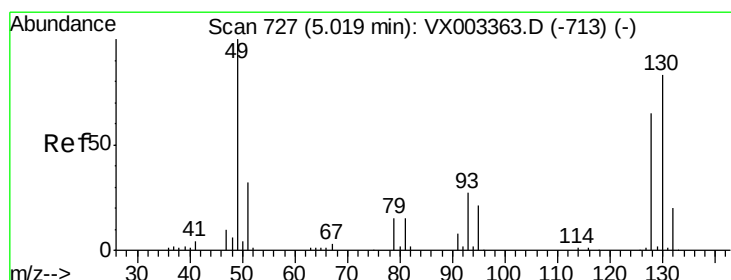
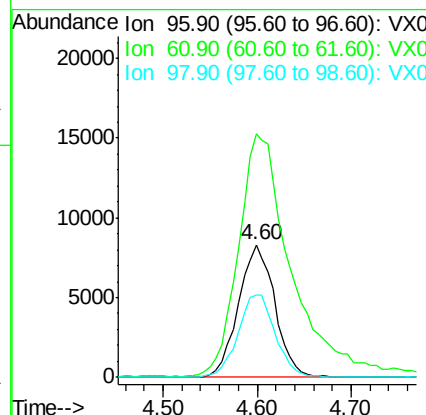
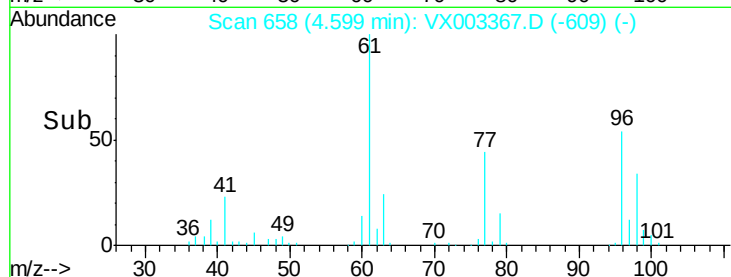
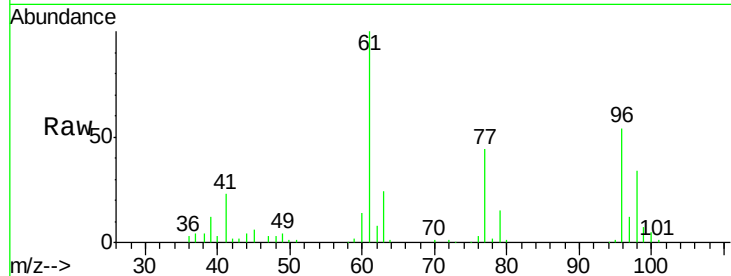
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	22486
Ion	Ratio	Lower	Upper
96	100		
61	265.1	0.0	330.2
98	63.5	0.0	130.2

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#28

Bromochloromethane

Concen: 5.06 ug/l

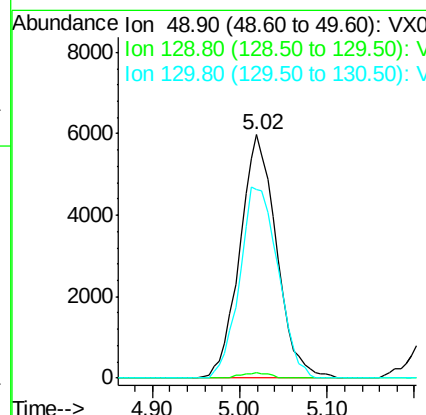
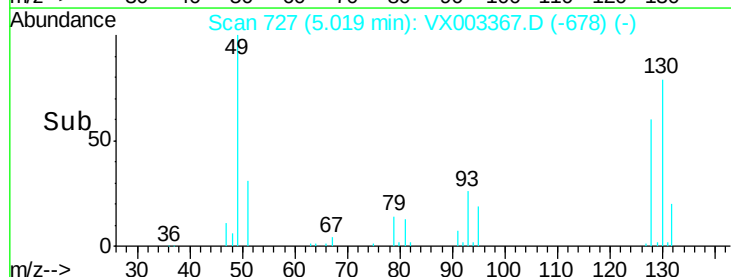
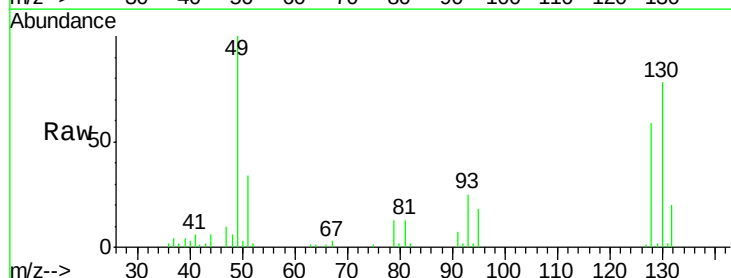
RT: 5.02 min Scan# 727

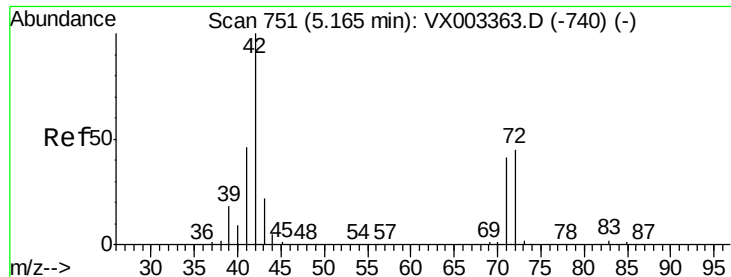
Delta R.T. 0.00 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Tgt Ion:	49	Resp:	17408
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.2
130	82.3	61.2	91.8





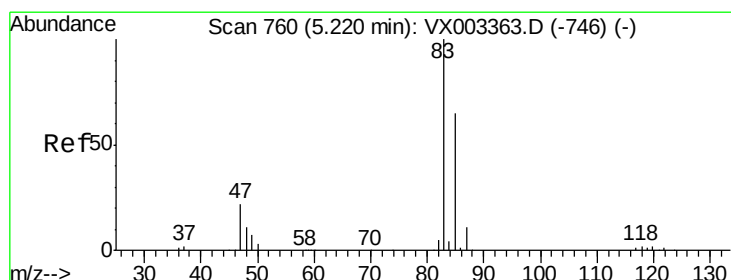
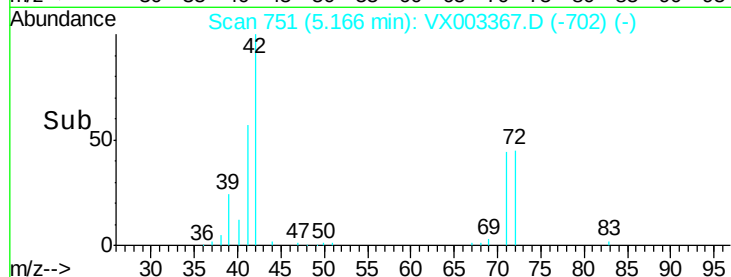
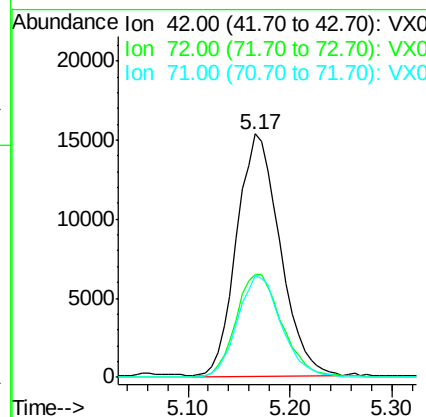
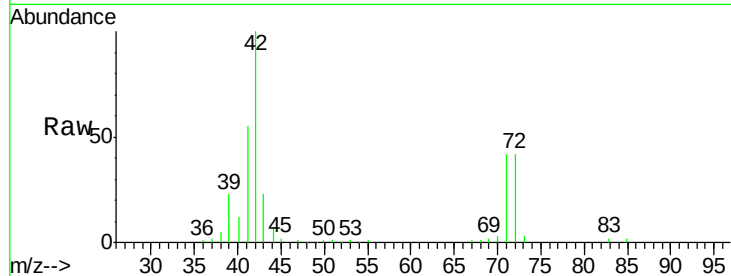
#29
Tetrahydrofuran
Concen: 22.74 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	32.0	48.0
71	42.4	30.1	45.1

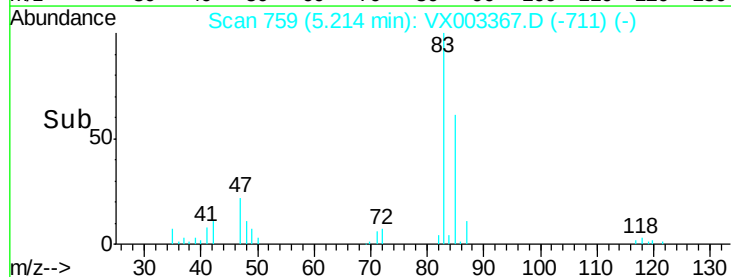
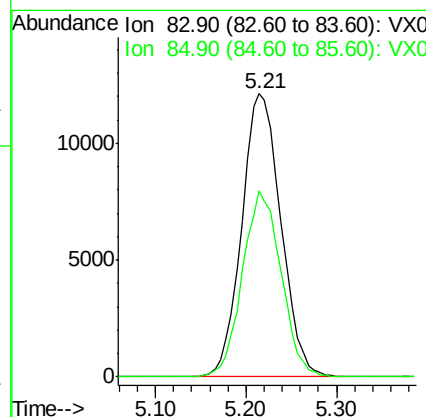
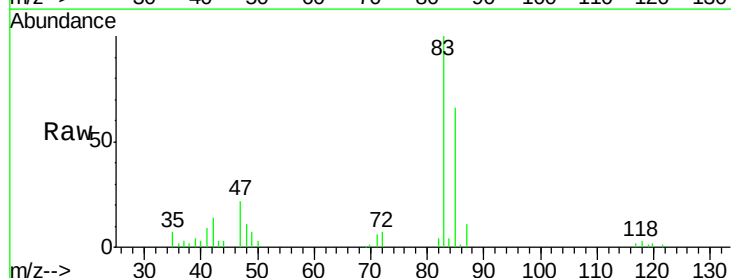
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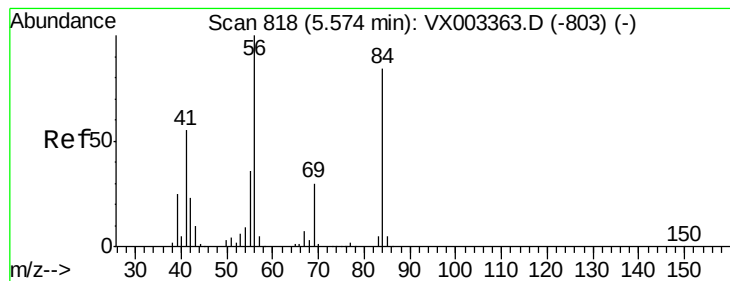
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#30
Chloroform
Concen: 4.82 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.4	75.6





#31

Cyclohexane

Concen: 4.73 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Instrument :

MSVOA_X

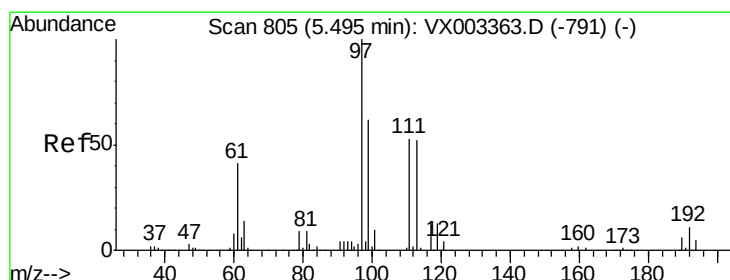
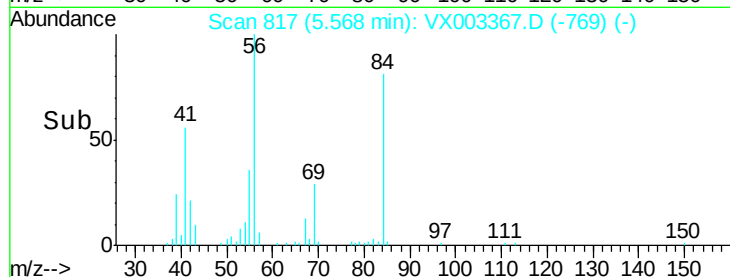
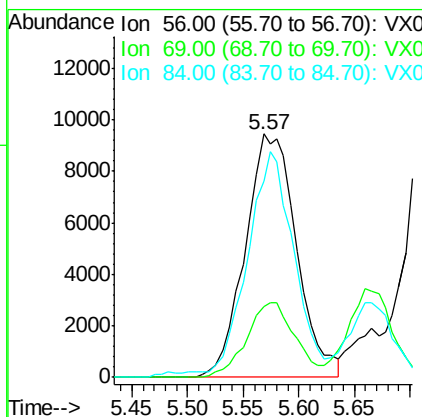
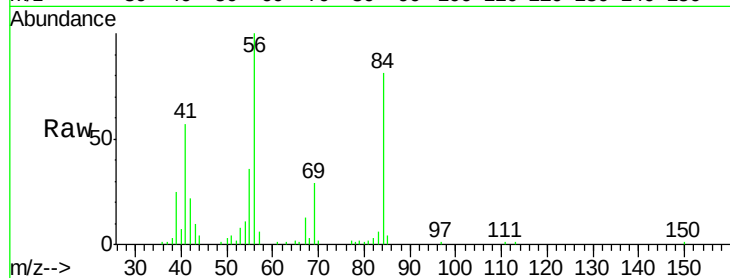
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	30233
Ion Ratio	Lower	Upper	
56	100		
69	29.1	23.7	35.5
84	78.2	64.1	96.1

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#32

1,1,1-Trichloroethane

Concen: 4.39 ug/l

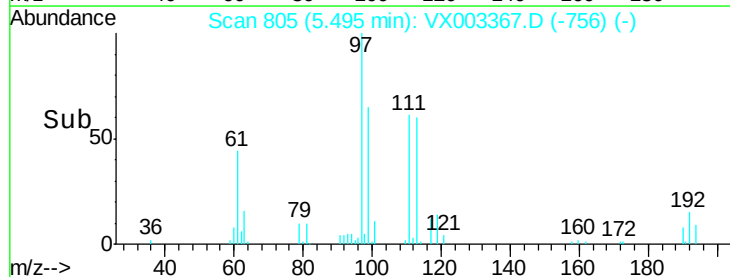
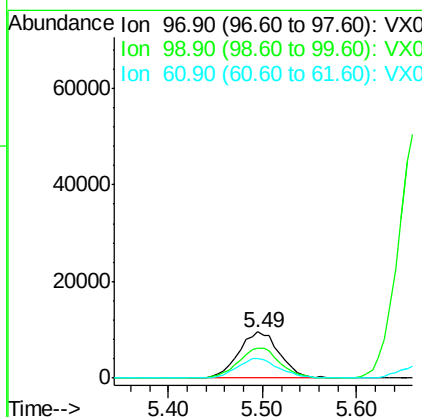
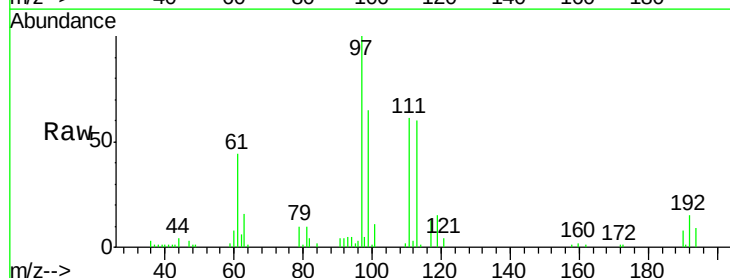
RT: 5.49 min Scan# 805

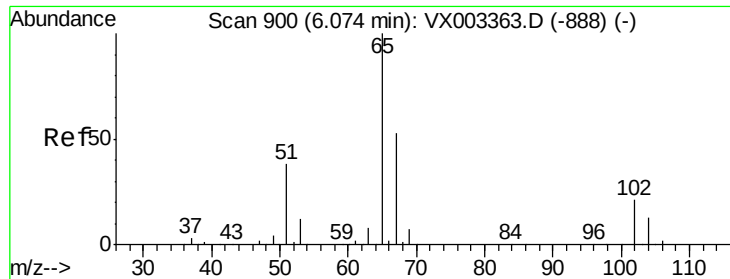
Delta R.T. 0.00 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Tgt Ion:	97	Resp:	29076
Ion Ratio	Lower	Upper	
97	100		
99	65.4	51.6	77.4
61	43.5	36.4	54.6





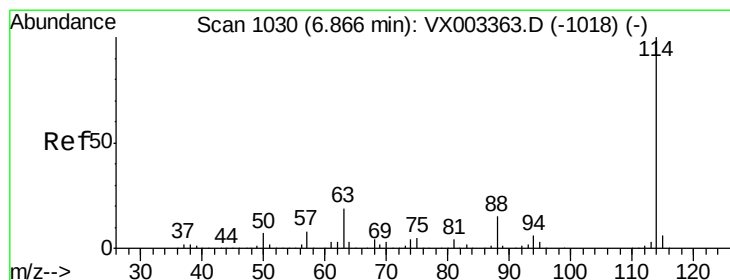
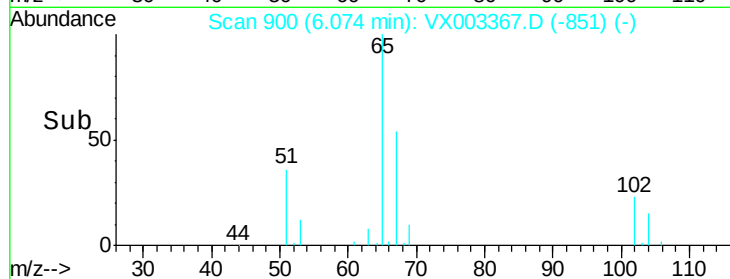
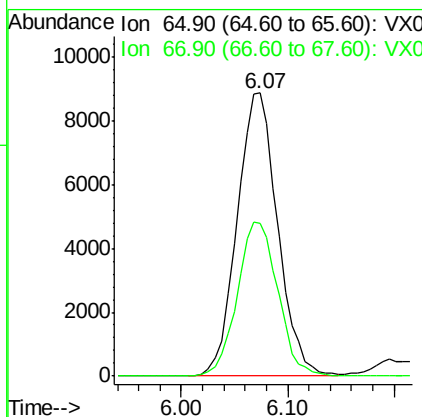
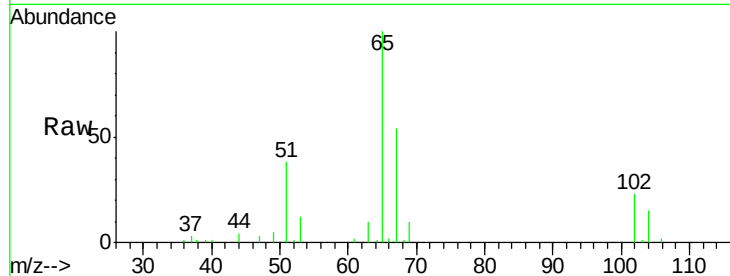
#33
 1,2-Dichloroethane-d4
 Concen: 4.87 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003367.D
 Acq: 13 Jul 2018 15:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	102.6

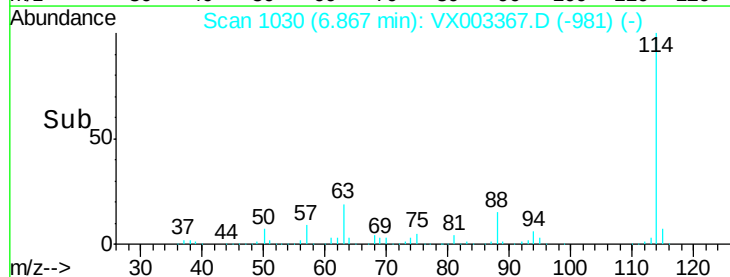
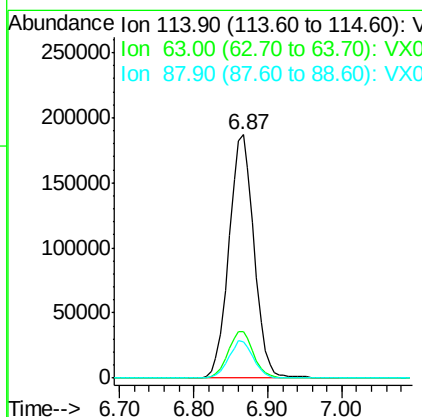
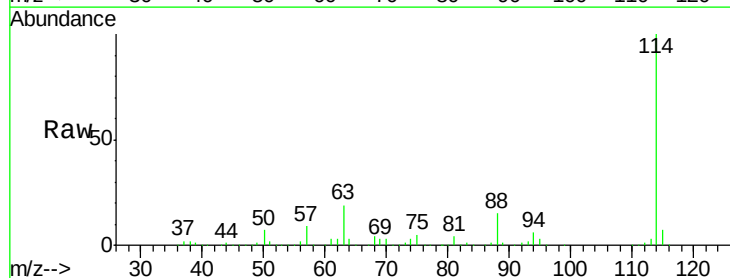
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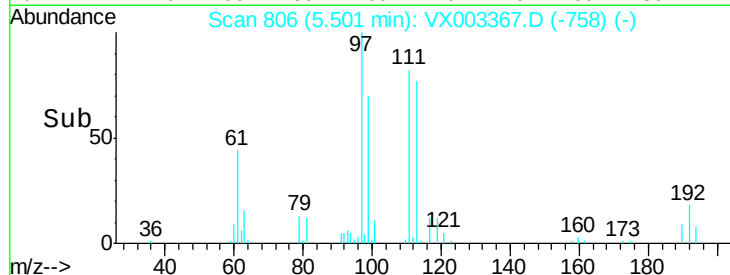
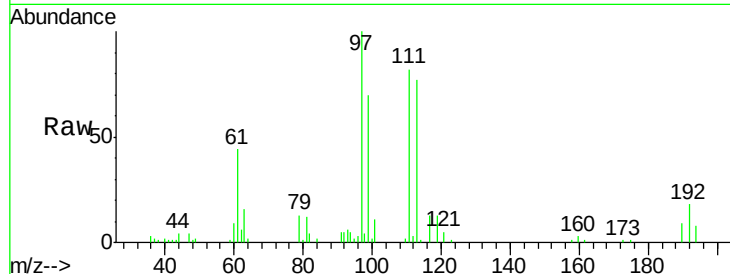
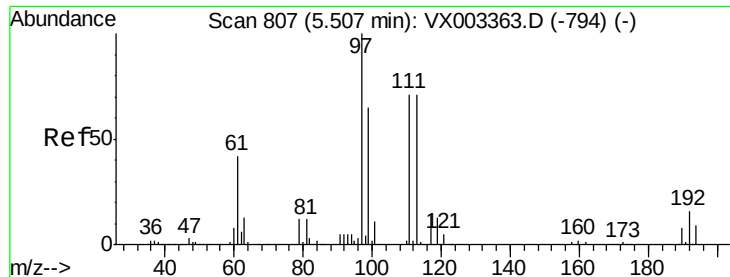
MMDadoda
 7/16/2018 11:24:43 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003367.D
 Acq: 13 Jul 2018 15:03

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	41.4
88	15.0	0.0	30.0





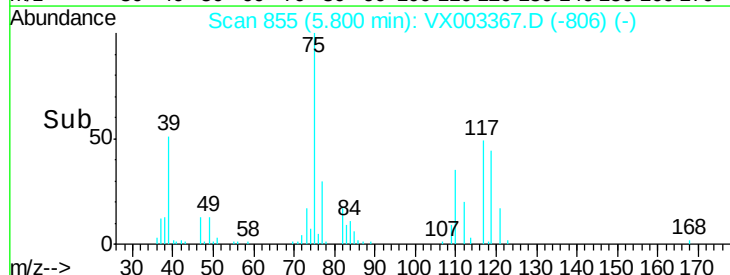
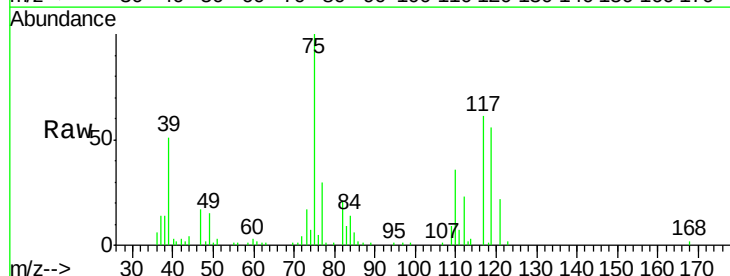
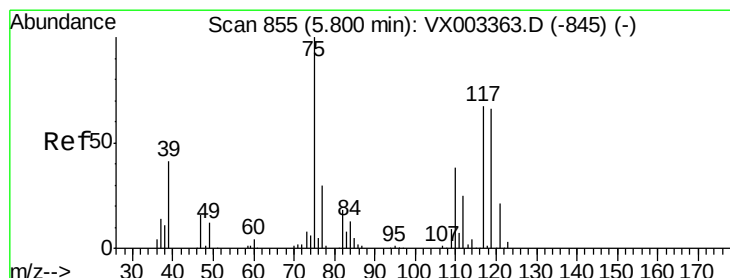
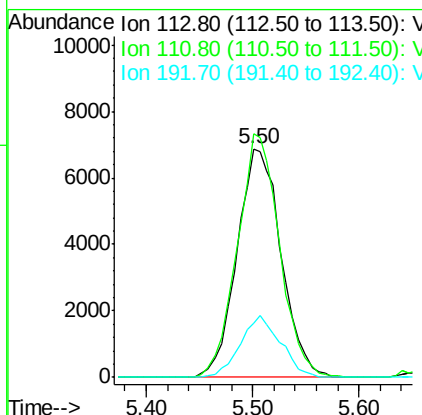
#35
Dibromofluoromethane
Concen: 4.20 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	19918		
111	102.1	81.4	122.0	
192	24.6	19.1	28.7	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

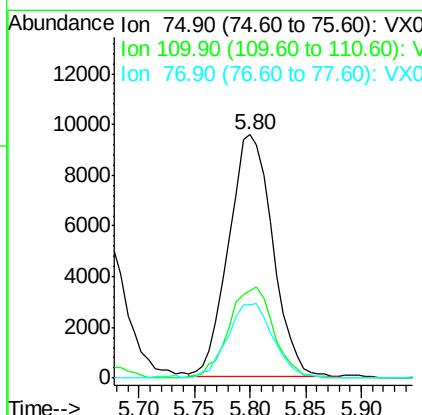
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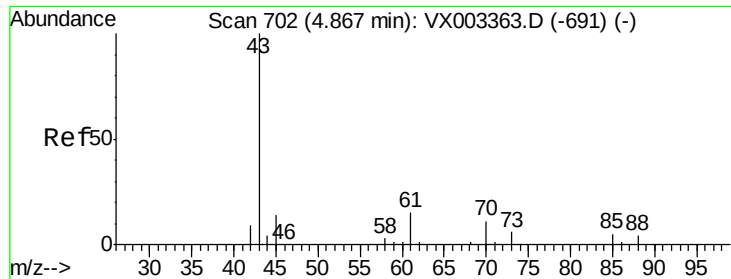
MMDadoda
7/16/2018 11:24:43 AM



#36
1,1-Dichloropropene
Concen: 4.19 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	26167		
110	38.5	18.1	54.4	
77	32.2	24.3	36.5	





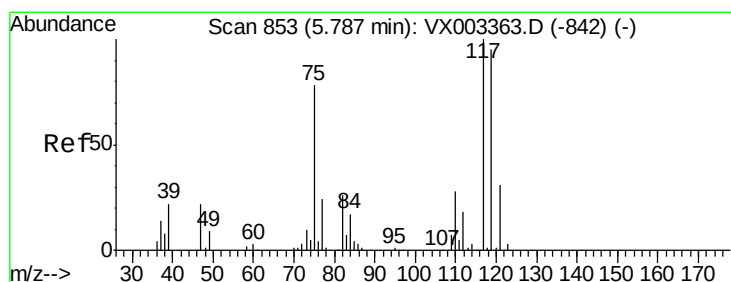
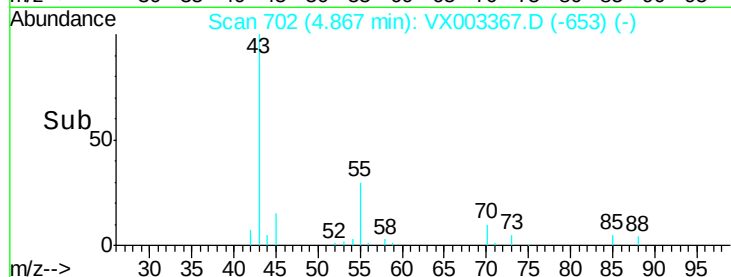
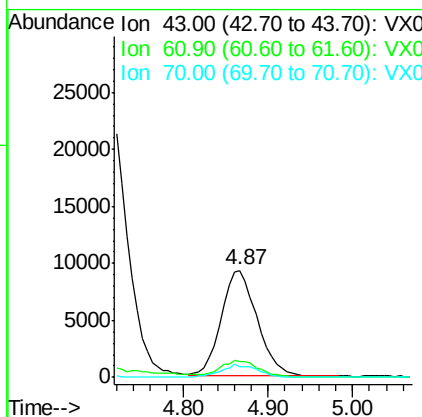
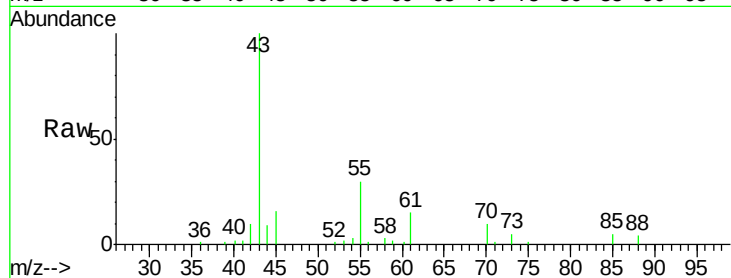
#37
Ethyl Acetate
Concen: 3.97 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.0	10.4	15.6#
70	11.7	7.6	11.4#

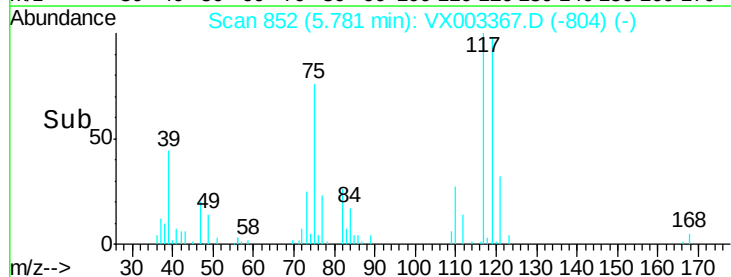
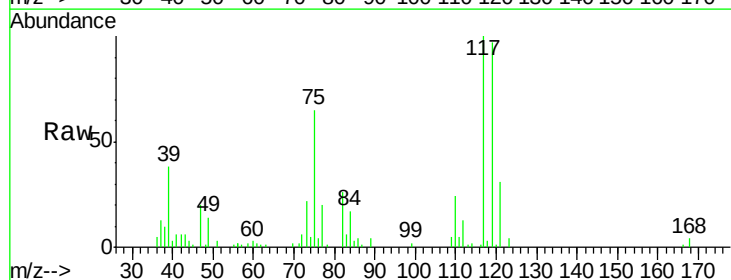
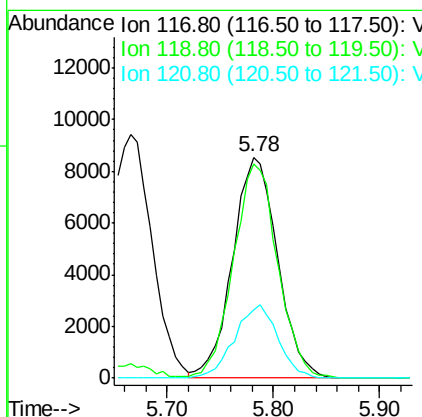
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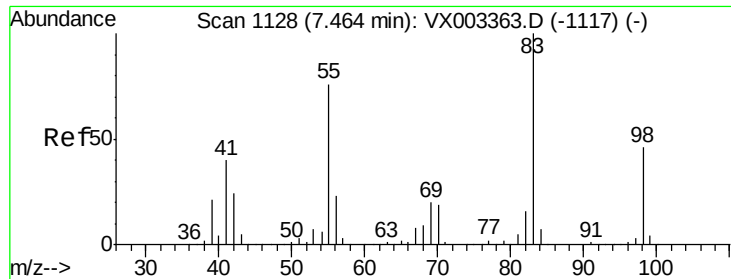
MMDadoda
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#38
Carbon Tetrachloride
Concen: 3.71 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.4	116.0
121	31.0	24.4	36.6





#39
Methylvlcyclohexane
Concen: 4.05 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

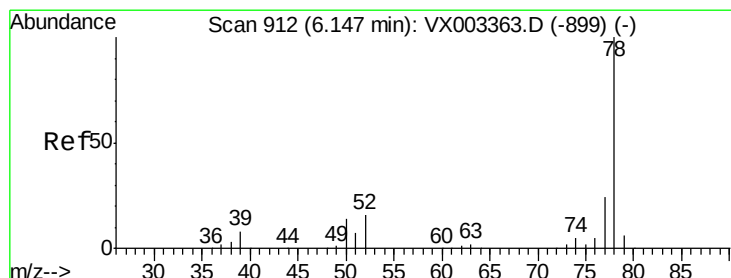
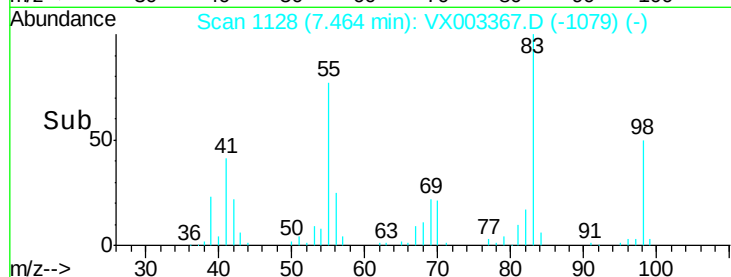
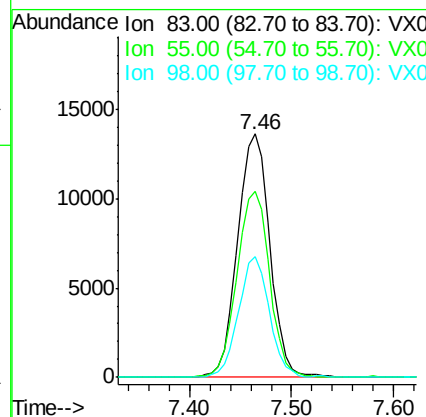
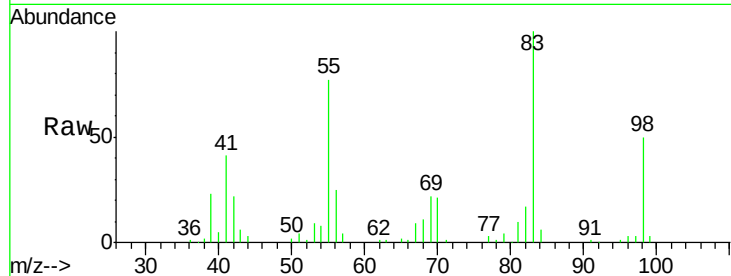
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.5	65.4	98.0
98	49.5	37.4	56.0

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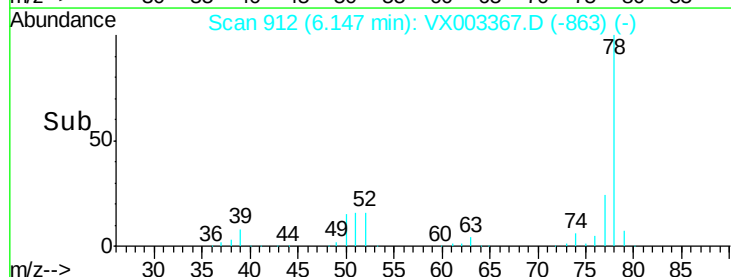
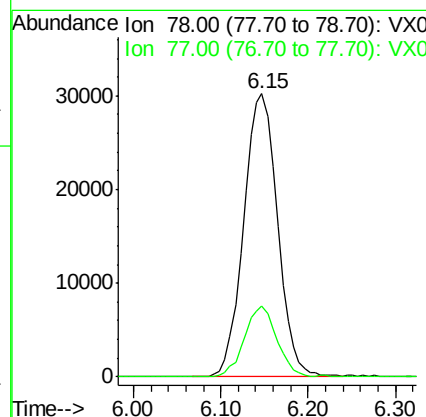
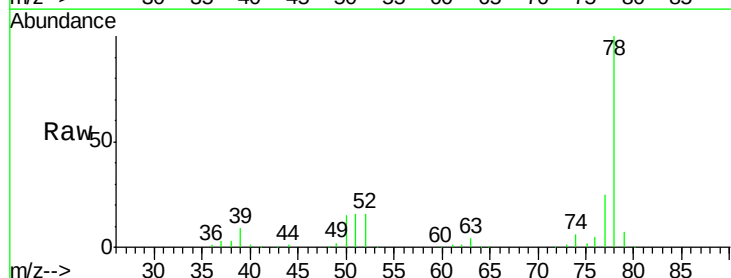
MMDadoda
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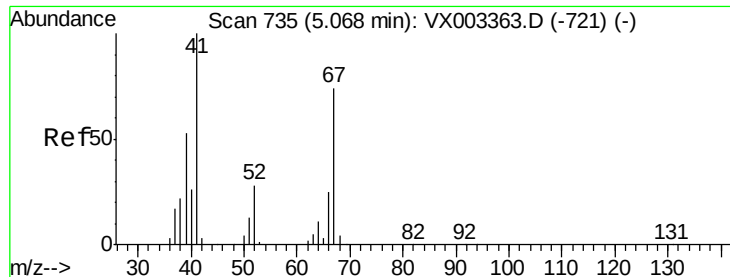
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#40
Benzene
Concen: 4.39 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.1	28.7





#41
Methacrylonitrile
Concen: 4.27 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

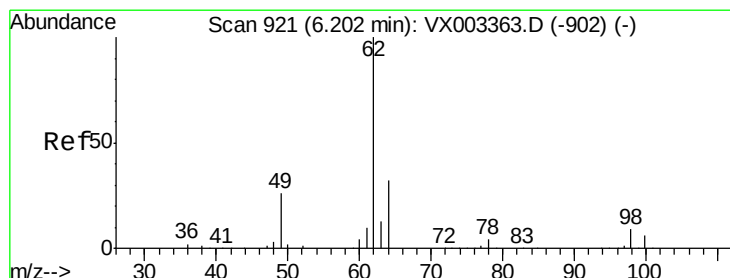
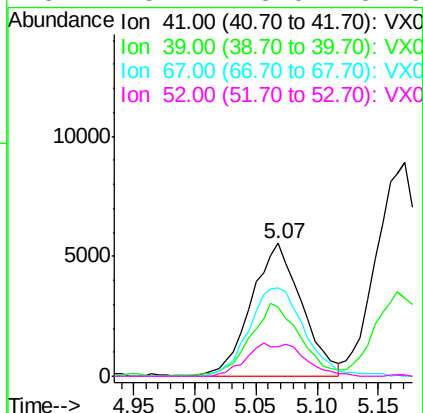
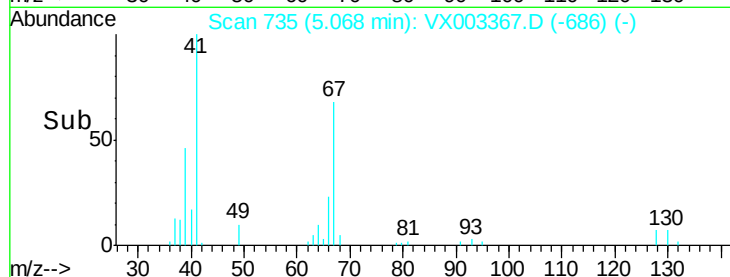
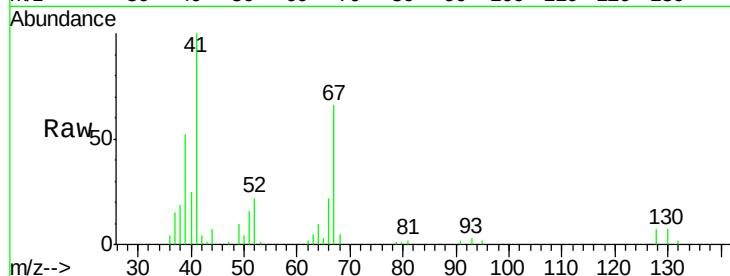
Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	41	Resp	15998
Ion	Ratio	Lower	Upper
41	100		
39	54.4	45.8	68.6
67	72.7	51.3	76.9
52	28.4	23.0	34.6

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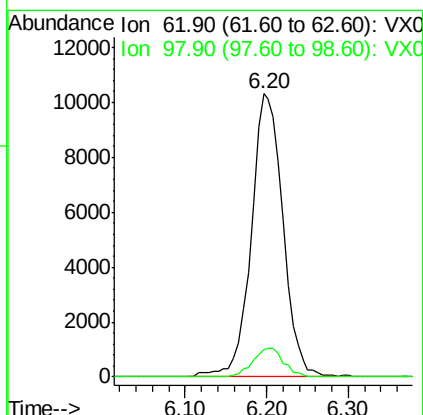
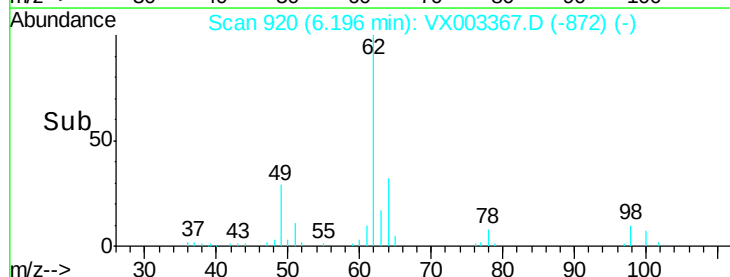
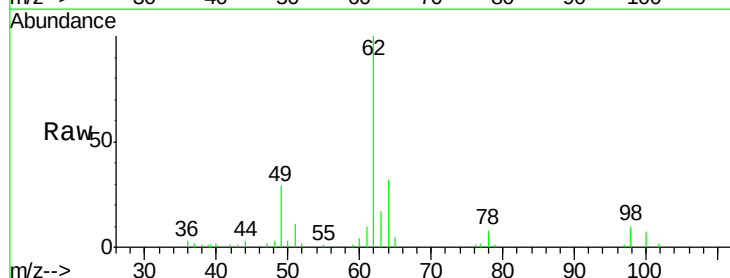
MMDadoda
7/16/2018 11:24:43

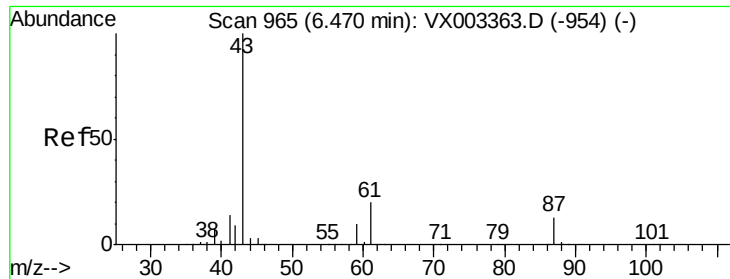
AM



#42
1,2-Dichloroethane
Concen: 4.04 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Tgt Ion	62	Resp	27963
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	16.6





#43

Isopropyl Acetate

Concen: 3.94 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

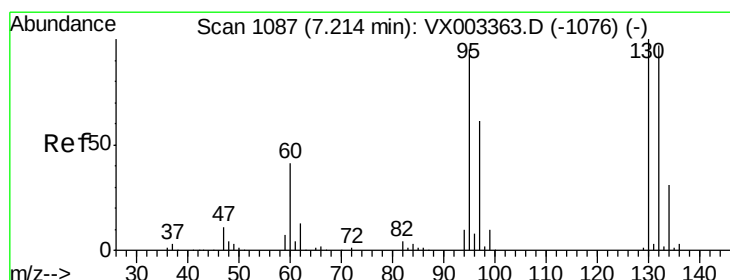
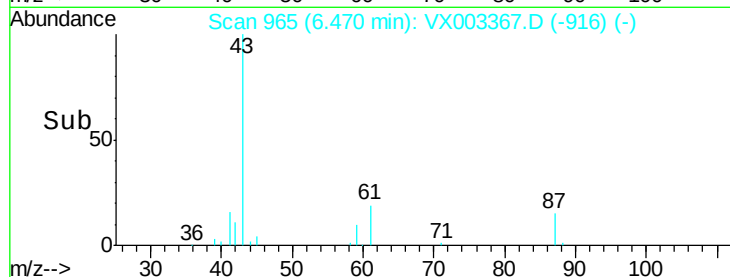
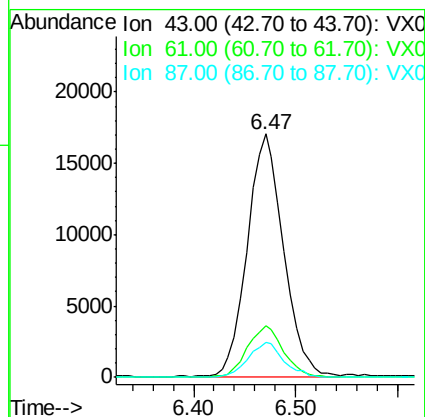
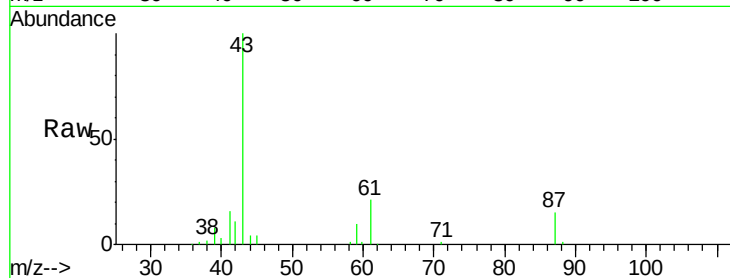
Tot Ion:	43	Resp:	42407
Ion	Ratio	Lower	Upper
43	100		
61	20.9	14.4	21.6
87	14.0	9.5	14.3

Manual Integrations
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7/16/2018 11:24:43

AM



#44

Trichloroethene

Concen: 4.32 ug/l

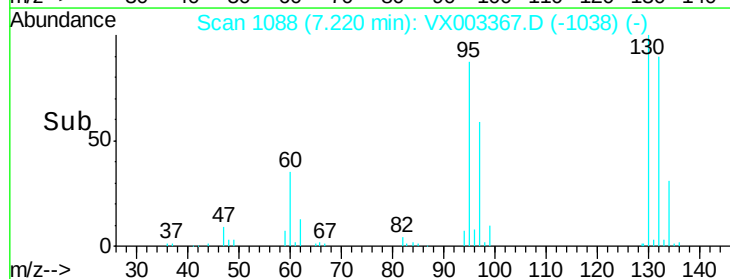
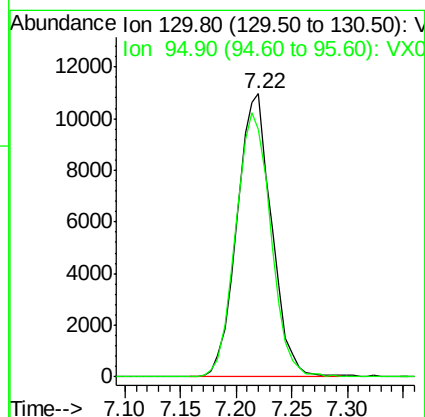
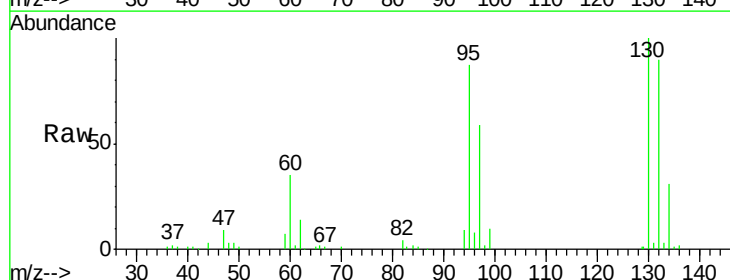
RT: 7.22 min Scan# 1088

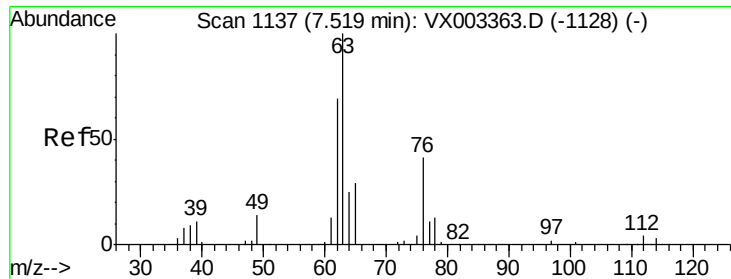
Delta R.T. 0.01 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Tgt Ion:	130	Resp:	23645
Ion	Ratio	Lower	Upper
130	100		
95	87.5	0.0	185.4





#45
1,2-Dichloropropane
Concen: 4.44 ug/l
RT: 7.52 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

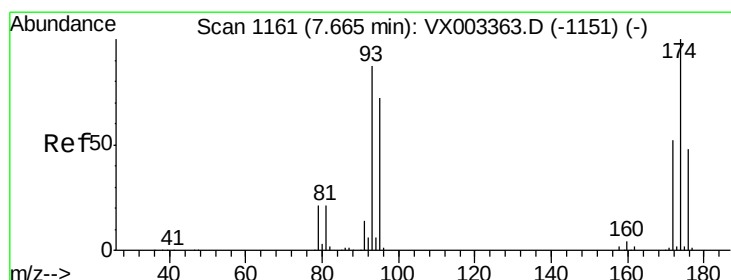
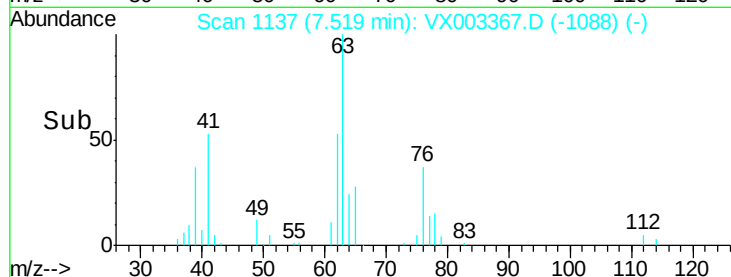
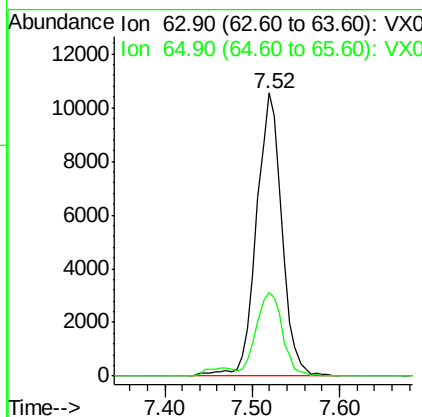
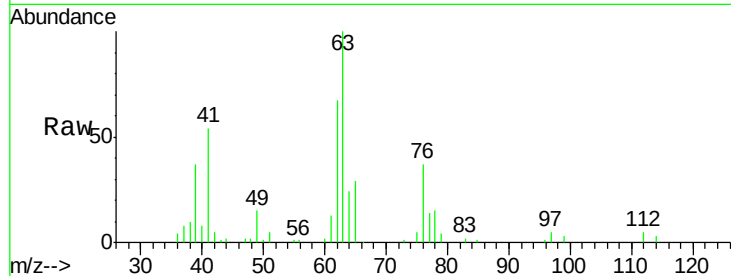
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 63 Resp: 21346
Ion Ratio Lower Upper
63 100
65 29.5 24.7 37.1

Manual Integrations
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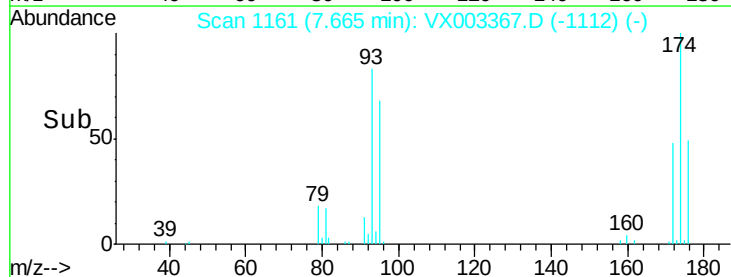
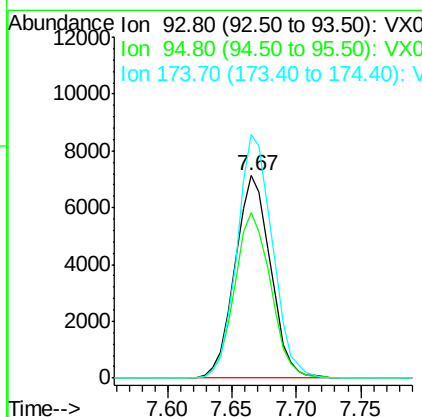
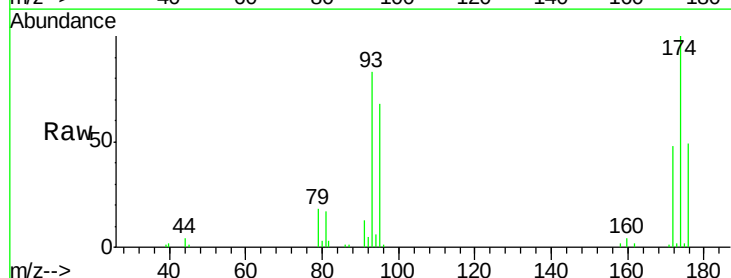
MMDadoda
7/16/2018 11:24:43

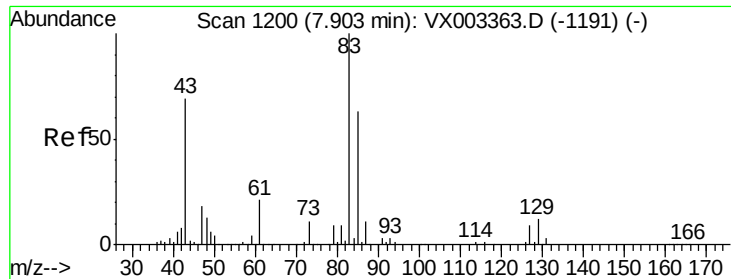
AM



#46
Dibromomethane
Concen: 4.16 ug/l
RT: 7.67 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Tgt Ion: 93 Resp: 13629
Ion Ratio Lower Upper
93 100
95 82.8 65.9 98.9
174 119.4 92.4 138.6





#47

Bromodichloromethane

Concen: 3.99 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

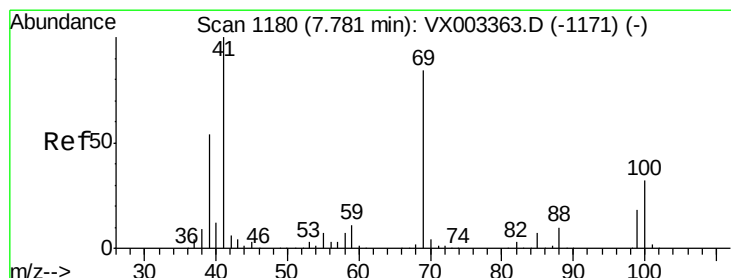
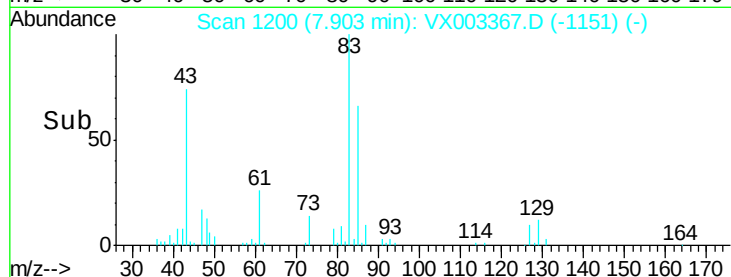
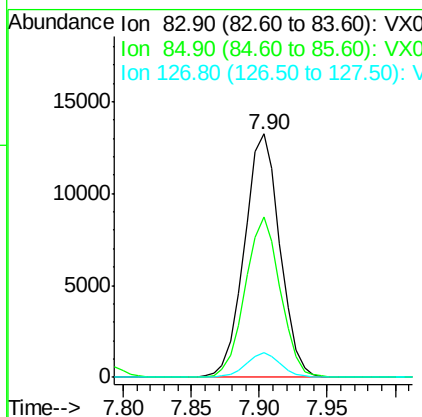
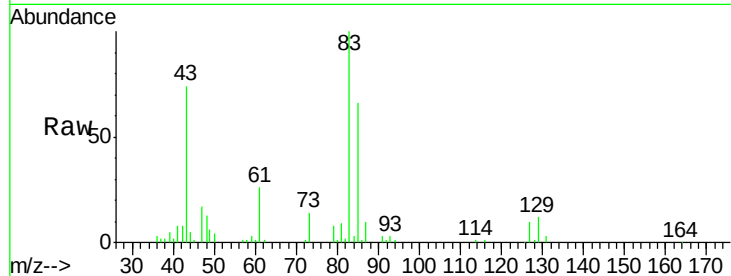
Tot Ion:	83	Resp:	24171
Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.3	75.5
127	10.2	7.0	10.4

Manual Integrations
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AM



#48

Methyl methacrylate

Concen: 3.77 ug/l

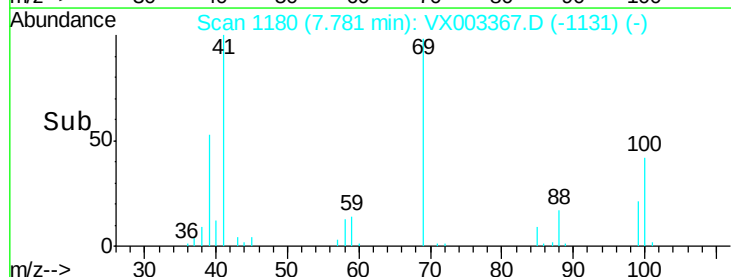
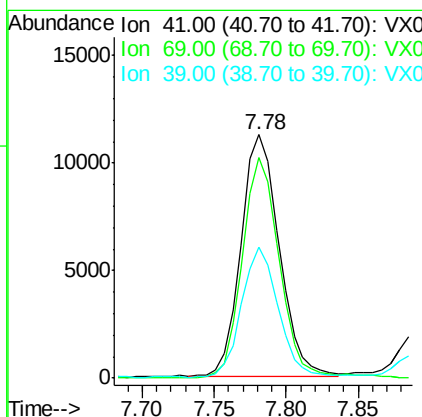
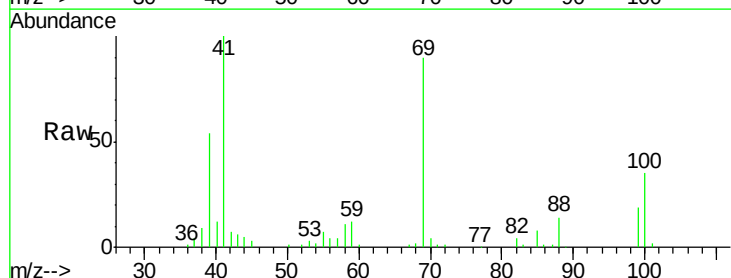
RT: 7.78 min Scan# 1180

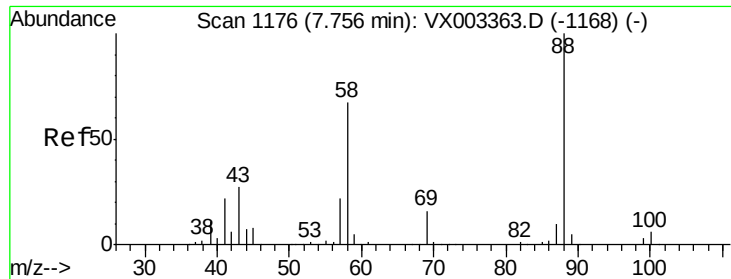
Delta R.T. 0.00 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Tgt Ion:	41	Resp:	20774
Ion	Ratio	Lower	Upper
41	100		
69	88.9	59.1	88.7#
39	53.2	48.9	73.3





#49
1,4-Dioxane
Concen: 83.84 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

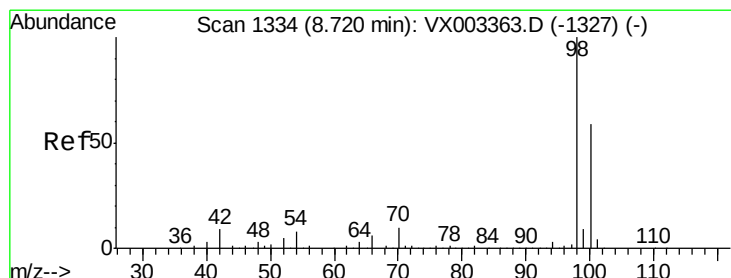
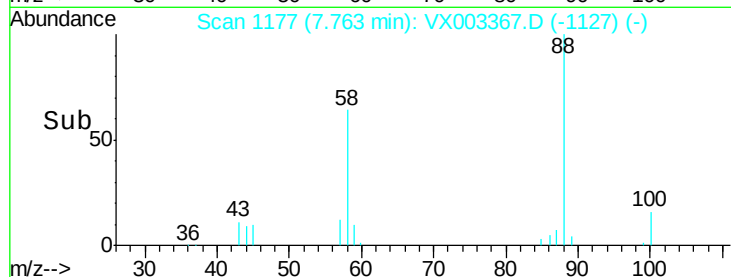
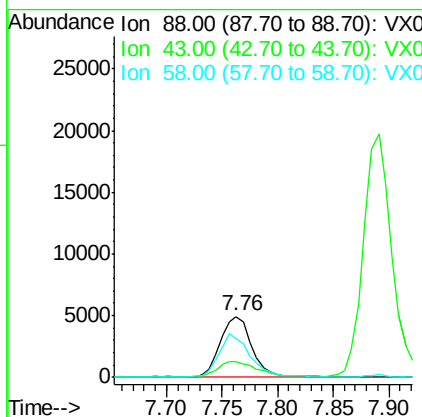
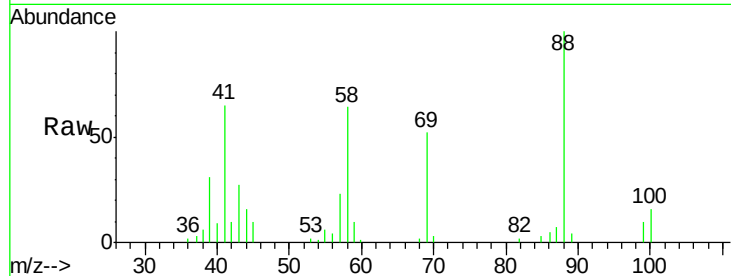
Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.4	29.8	44.6
58	71.9	57.1	85.7

Manual Integrations
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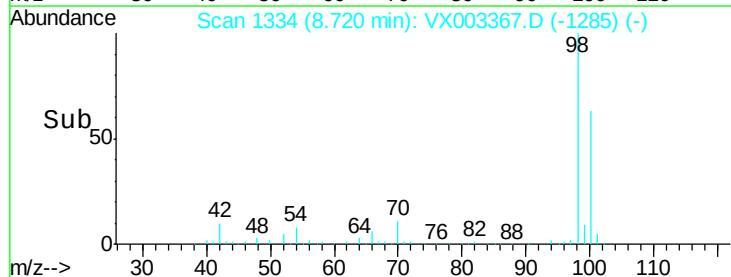
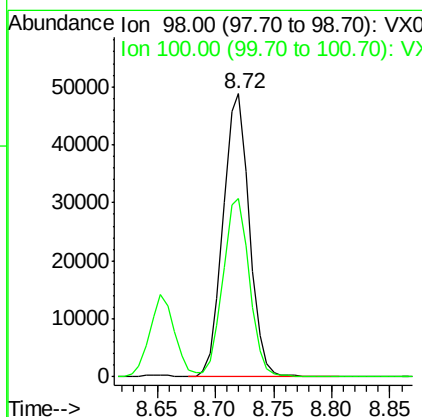
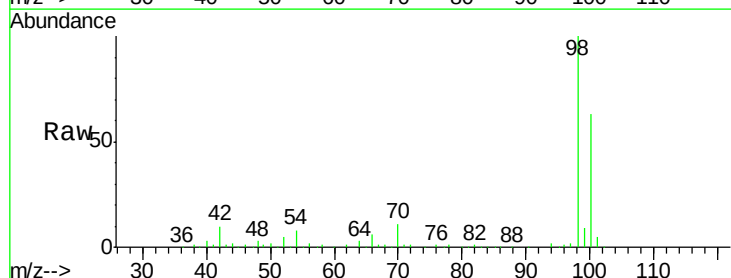
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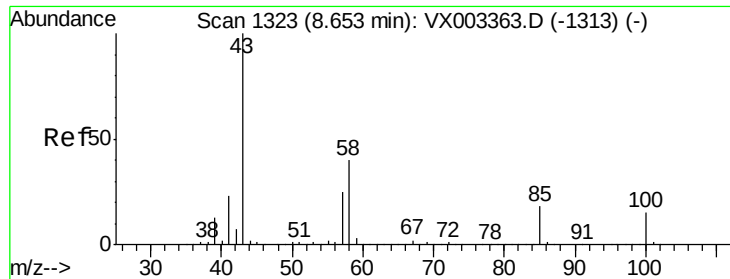
AM



#50
Toluene-d8
Concen: 4.54 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 20.67 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 138310

Ion Ratio Lower Upper

43 100

58 39.4 28.6 42.8

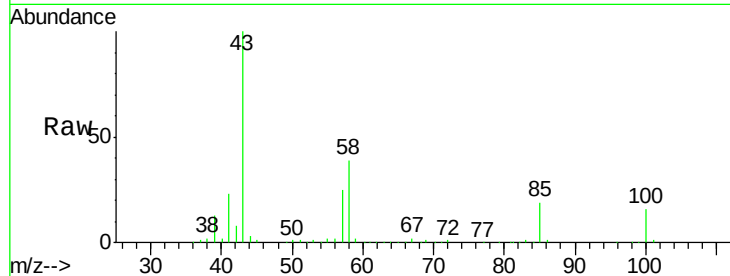
Manual Integrations

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AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

100000

80000

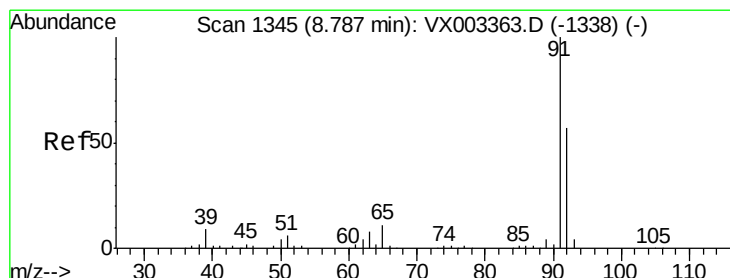
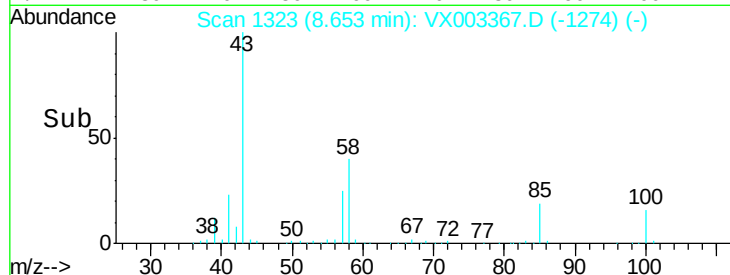
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 4.44 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003367.D

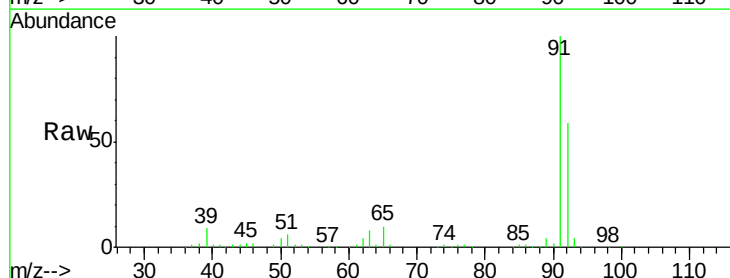
Acq: 13 Jul 2018 15:03

Tgt Ion: 92 Resp: 51902

Ion Ratio Lower Upper

92 100

91 172.9 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

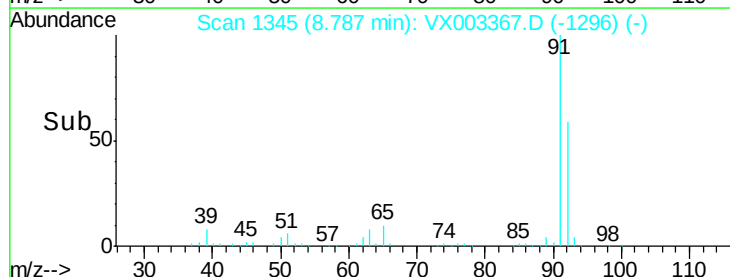
60000

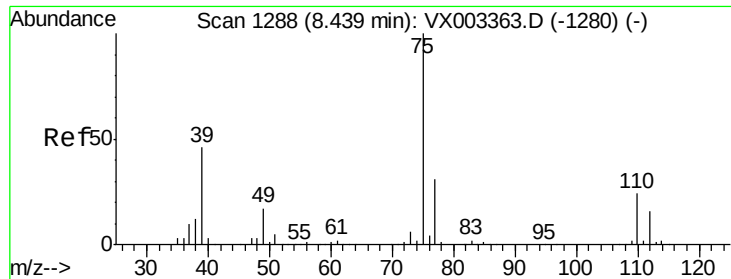
40000

20000

0

Time-->





#53
t-1,3-Dichloropropene
Concen: 4.05 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

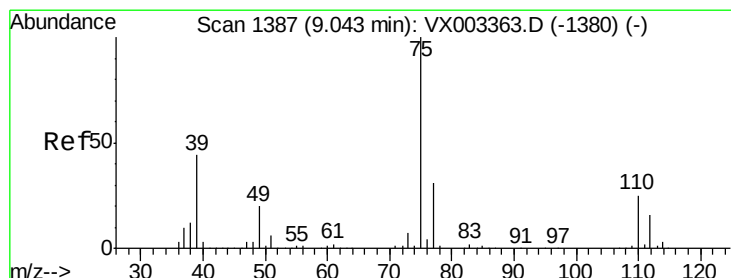
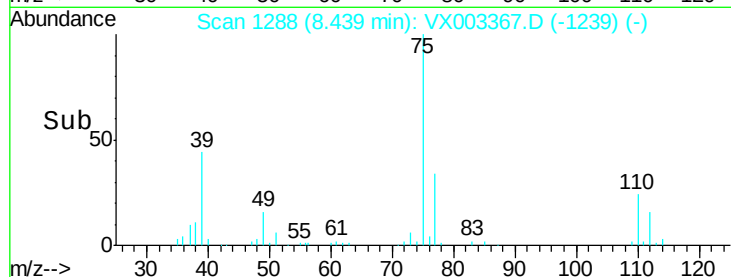
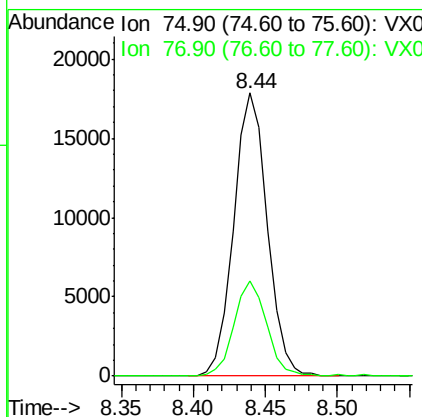
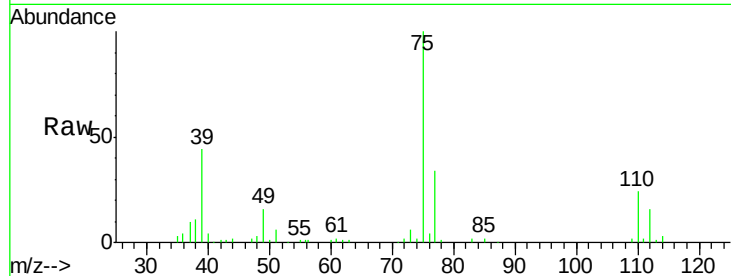
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.7	25.4	38.2

Manual Integrations
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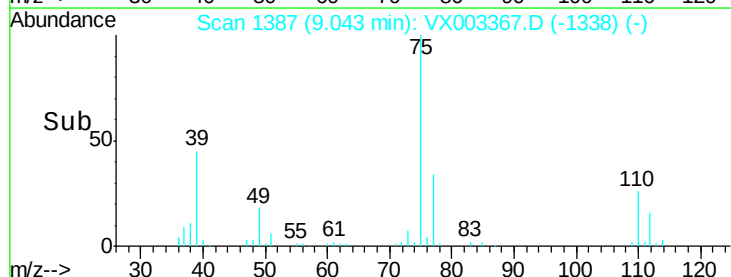
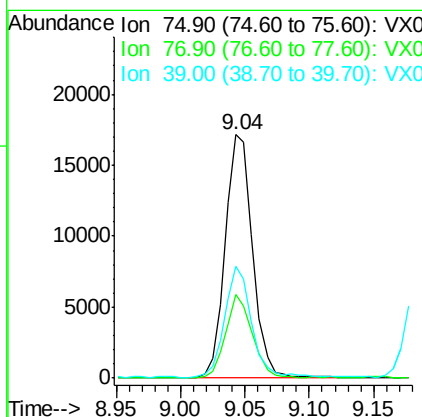
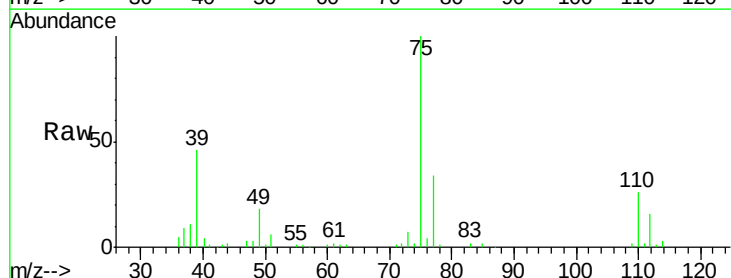
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7/16/2018 11:24:43

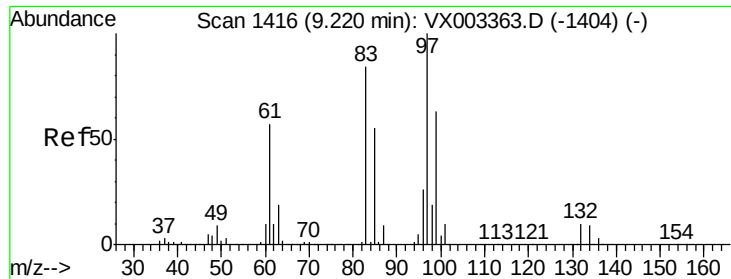
AM



#54
cis-1,3-Dichloropropene
Concen: 3.96 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.2	24.8	37.2
39	45.8	42.4	63.6





#55
 1,1,2-Trichloroethane
 Concen: 4.38 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003367.D
 Acq: 13 Jul 2018 15:03

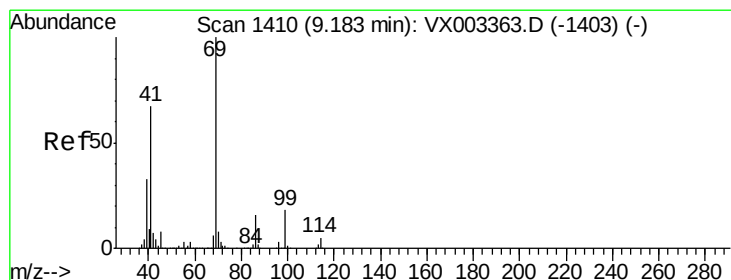
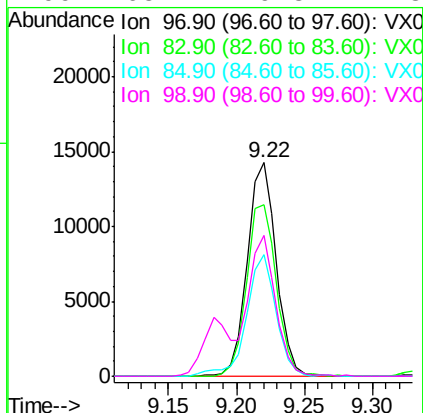
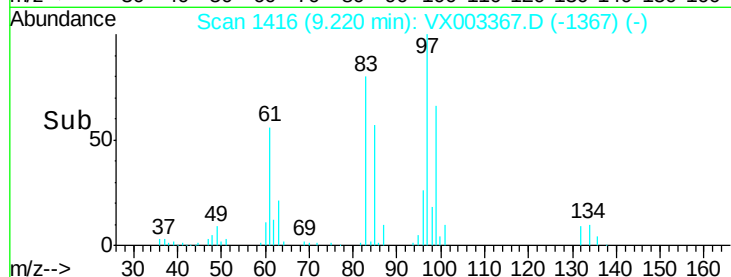
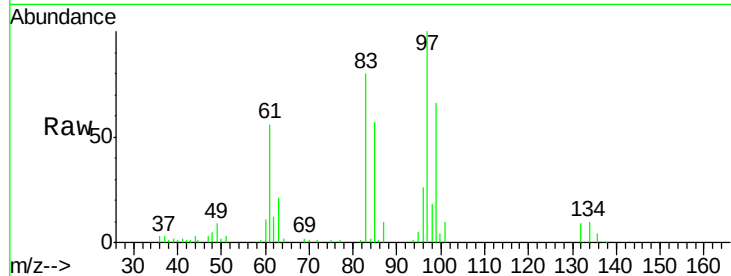
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	21248
Ion	Ratio	Lower	Upper
97	100		
83	80.1	70.2	105.2
85	56.7	44.9	67.3
99	65.7	49.8	74.8

Manual Integrations
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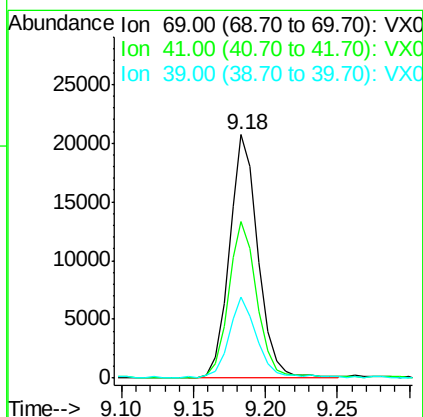
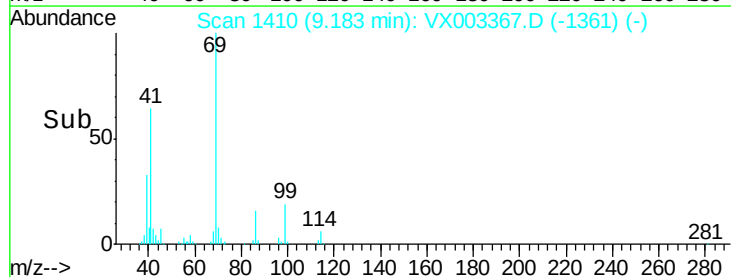
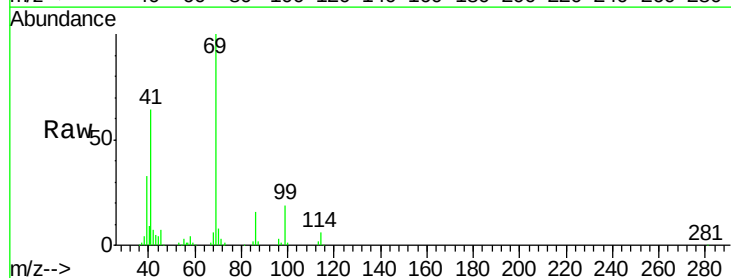
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 7/16/2018 11:24:43

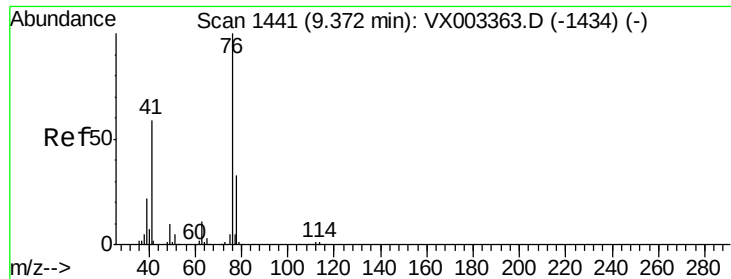
AM



#56
 Ethyl methacrylate
 Concen: 4.33 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003367.D
 Acq: 13 Jul 2018 15:03

Tgt Ion:	69	Resp:	28762
Ion	Ratio	Lower	Upper
69	100		
41	63.1	60.3	90.5
39	31.8	35.8	53.8#





#57
 1,3-Dichloropropane
 Concen: 4.45 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003367.D
 Acq: 13 Jul 2018 15:03

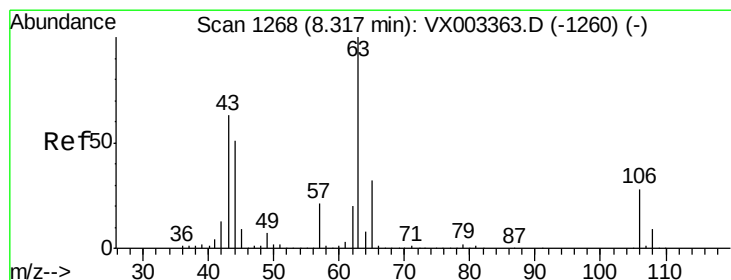
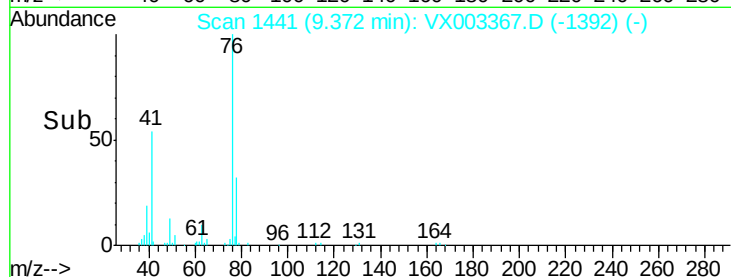
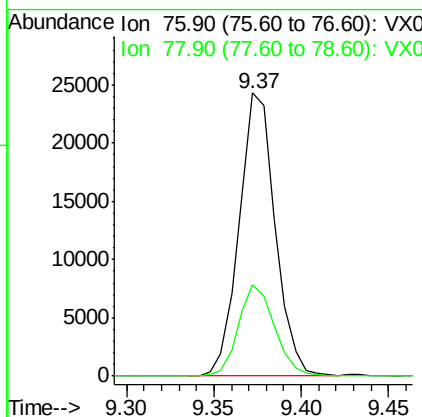
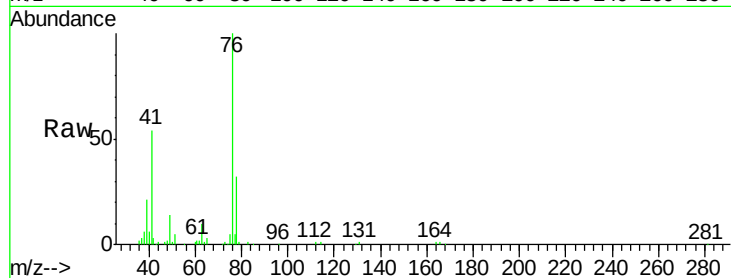
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6

Manual Integrations
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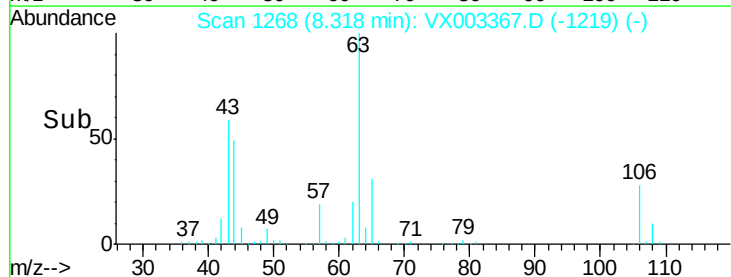
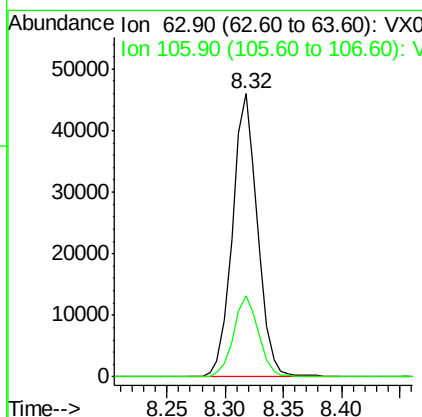
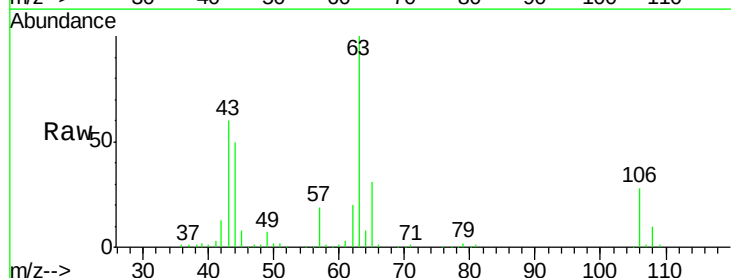
MMDadoda
 7/16/2018 11:24:43

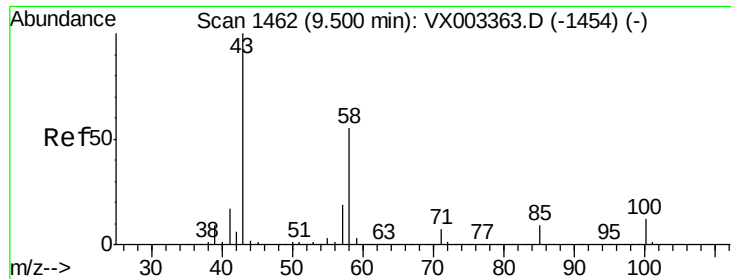
AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 21.49 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003367.D
 Acq: 13 Jul 2018 15:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.8	21.8	32.8





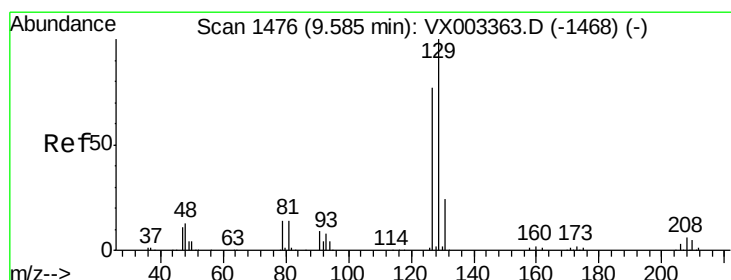
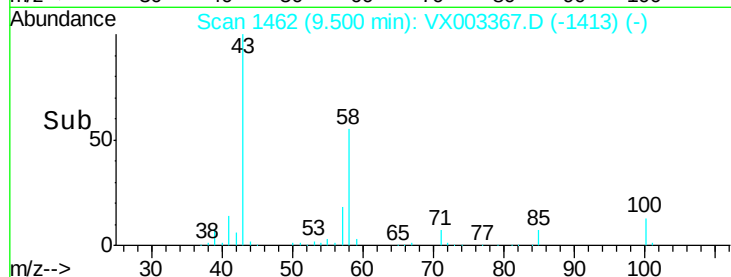
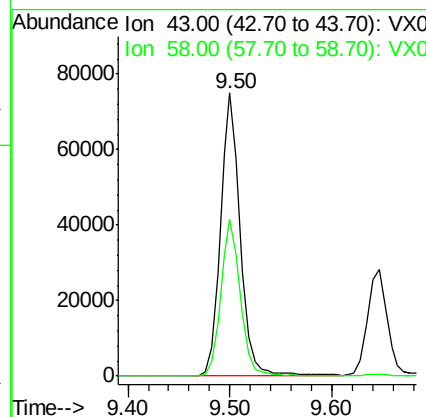
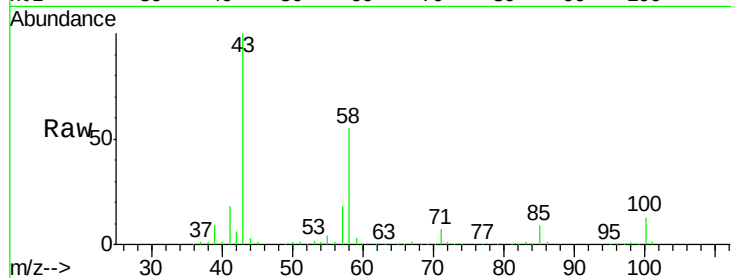
#59
2-Hexanone
Concen: 19.97 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion: 43 Resp: 101524
Ion Ratio Lower Upper
43 100
58 55.5 24.6 73.6

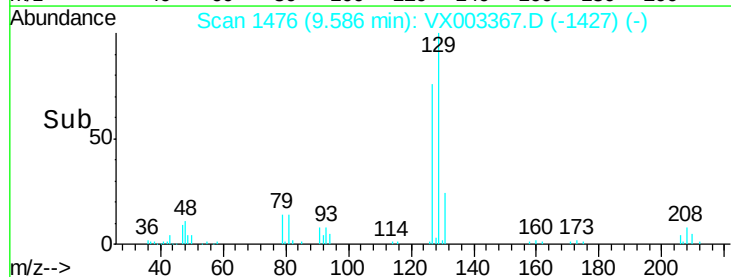
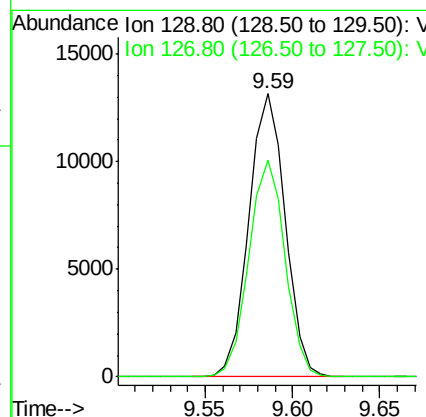
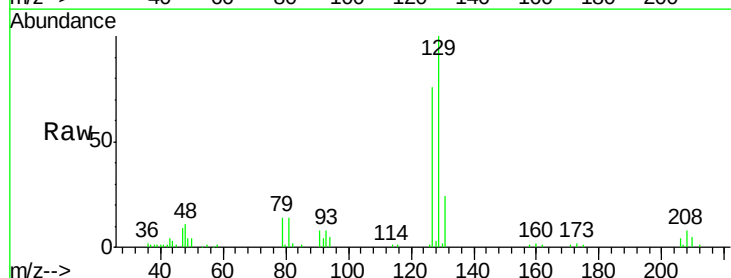
Manual Integrations
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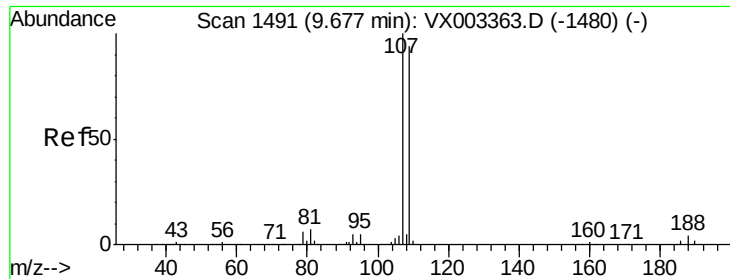
MMDadoda
7/16/2018 11:24:43 AM



#60
Dibromochloromethane
Concen: 3.75 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Tgt Ion: 129 Resp: 18999
Ion Ratio Lower Upper
129 100
127 76.0 38.5 115.3





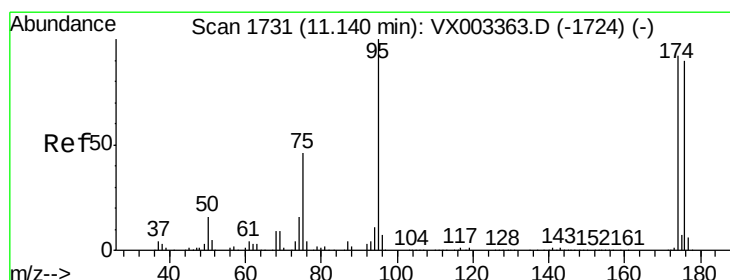
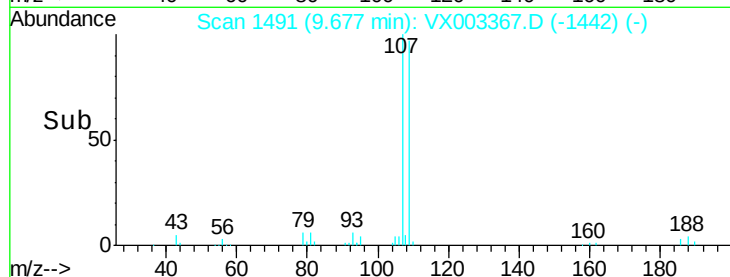
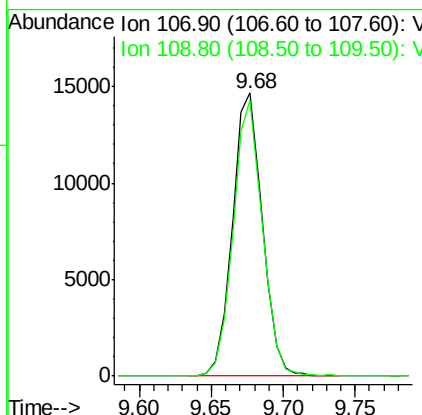
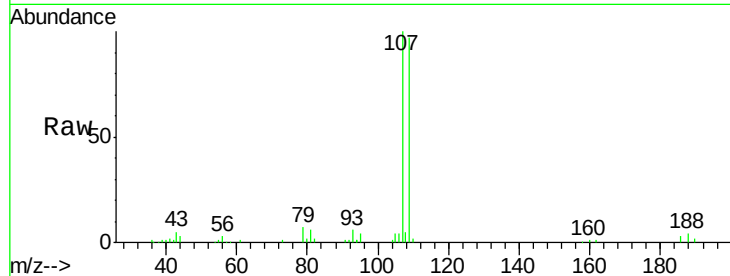
#61
 1,2-Dibromoethane
 Concen: 4.17 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX003367.D
 Acq: 13 Jul 2018 15:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 107 Resp: 21190
 Ion Ratio Lower Upper
 107 100
 109 95.5 75.3 112.9

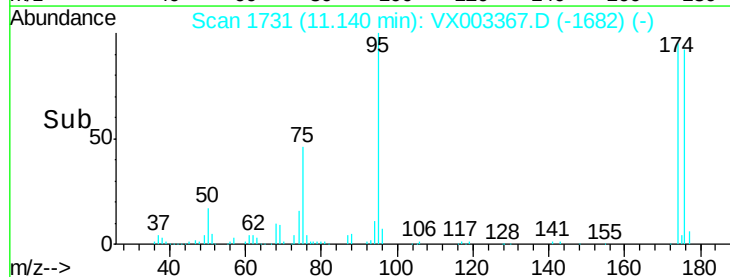
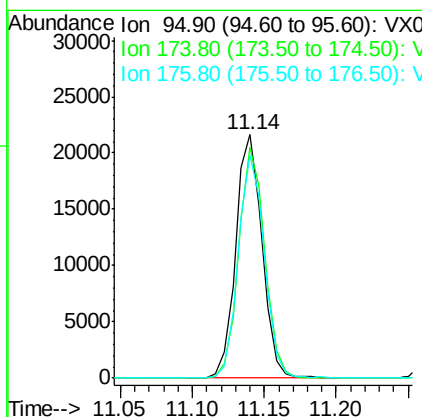
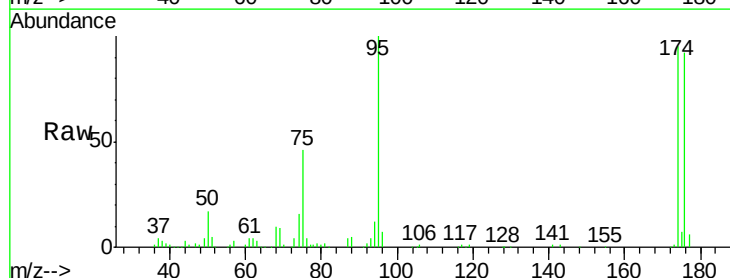
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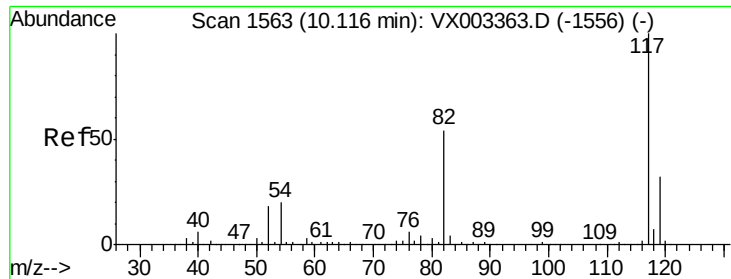
MMDadoda
 7/16/2018 11:24:43 AM



#62
 4-Bromofluorobenzene
 Concen: 4.42 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX003367.D
 Acq: 13 Jul 2018 15:03

Tgt Ion: 95 Resp: 27501
 Ion Ratio Lower Upper
 95 100
 174 92.8 0.0 187.4
 176 90.4 0.0 181.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Instrument :

MSVOA_X

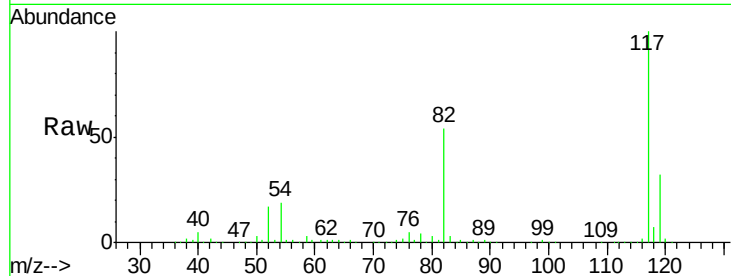
ClientSampleId :

VSTDIC005

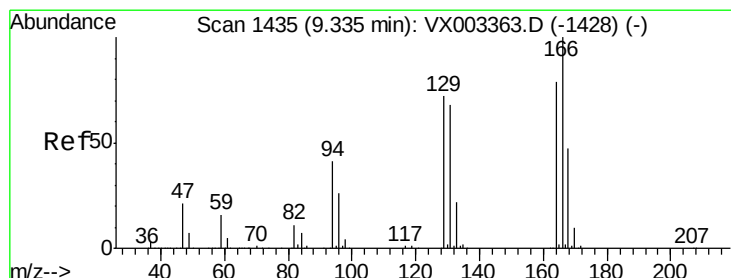
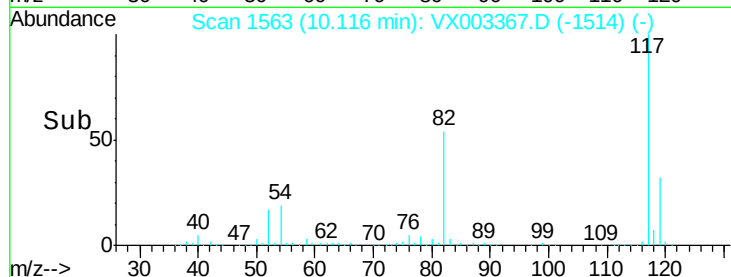
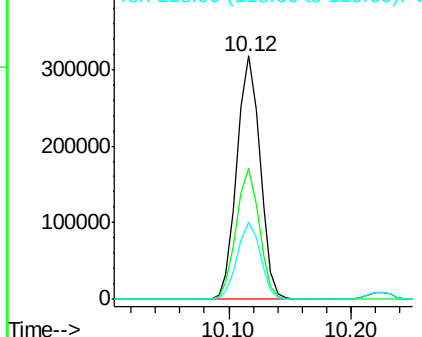
Tot Ion:	117	Resp:	417346
Ion Ratio	Lower	Upper	
117	100		
82	53.7	45.0	67.4
119	31.7	25.8	38.6

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Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 4.08 ug/l

RT: 9.34 min Scan# 1435

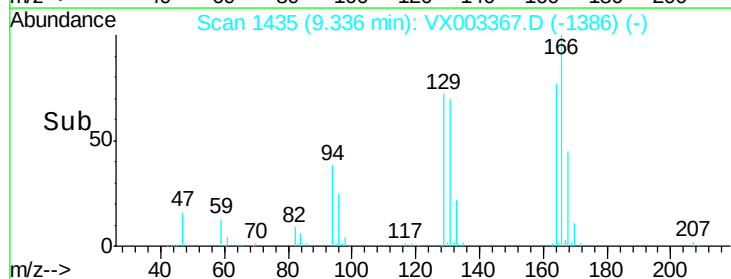
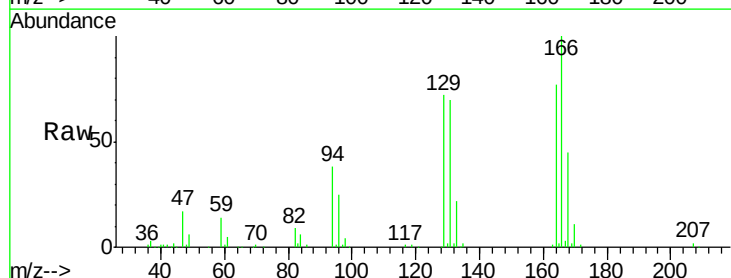
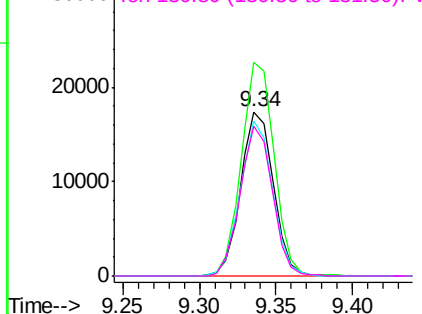
Delta R.T. 0.00 min

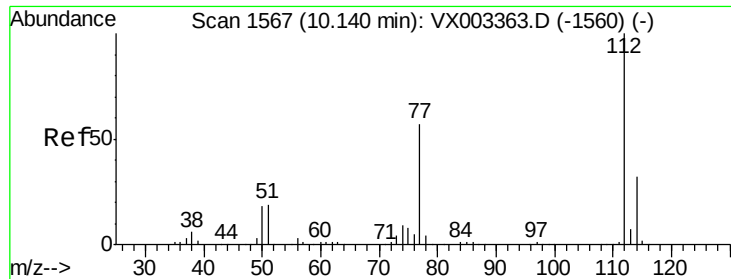
Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Tgt Ion:	164	Resp:	25762
Ion Ratio	Lower	Upper	
164	100		
166	130.1	102.9	154.3
129	94.0	68.6	102.8
131	91.3	66.8	100.2

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





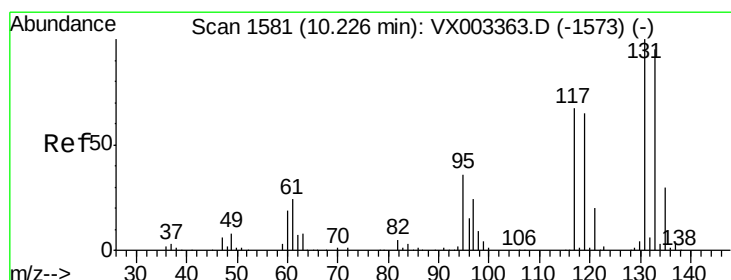
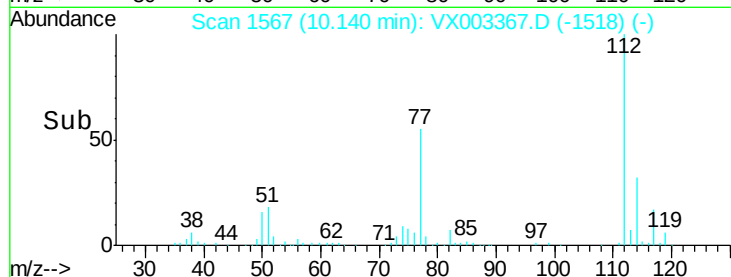
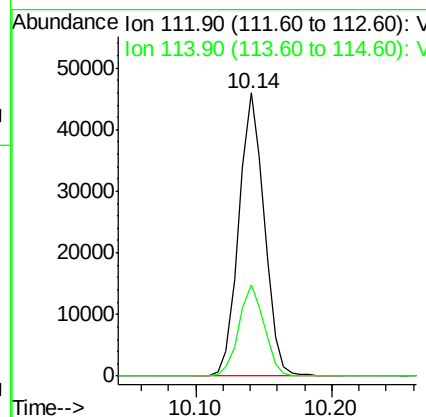
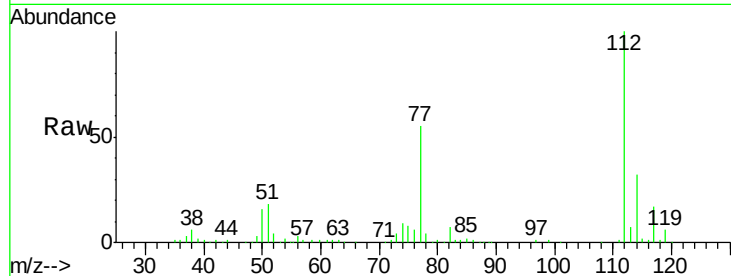
#65
Chlorobenzene
Concen: 4.23 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 59948
Ion Ratio Lower Upper
112 100
114 32.5 25.3 37.9

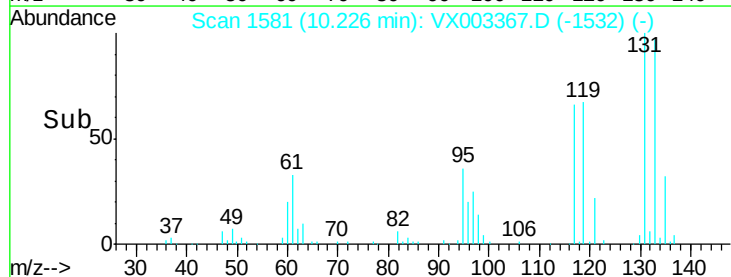
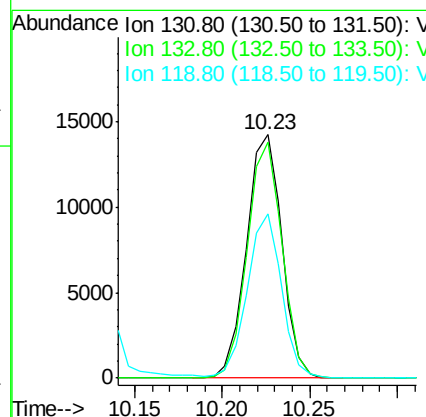
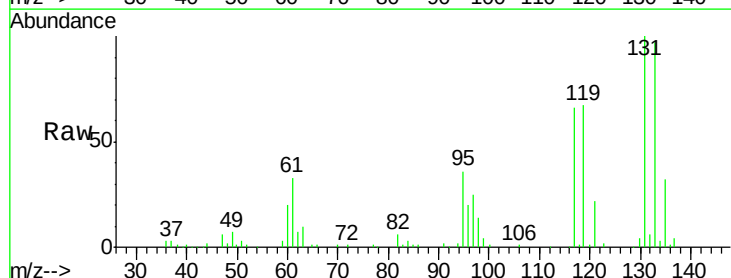
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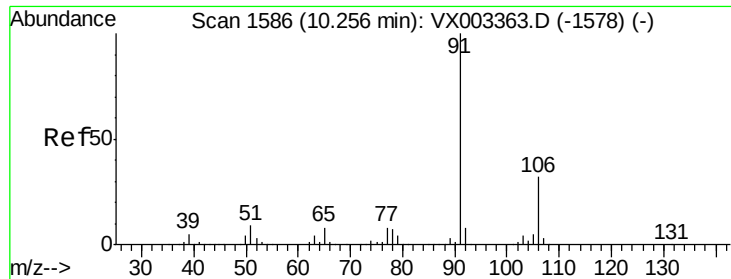
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 3.92 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Tgt Ion:131 Resp: 20041
Ion Ratio Lower Upper
131 100
133 95.7 47.9 143.6
119 65.7 31.8 95.3





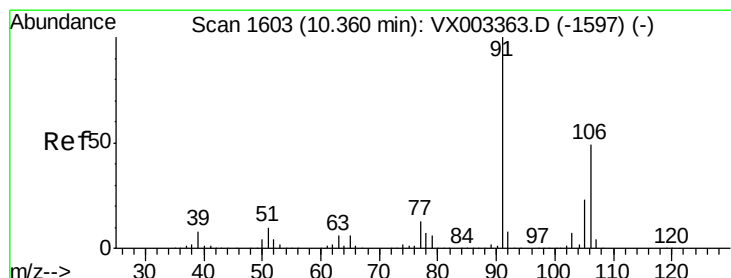
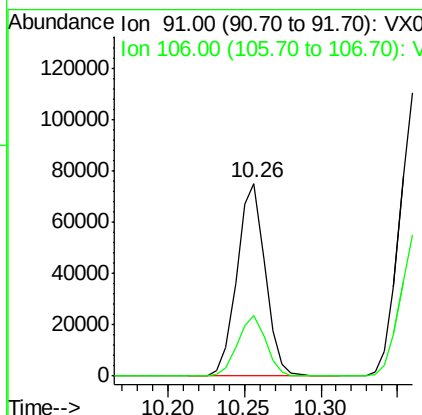
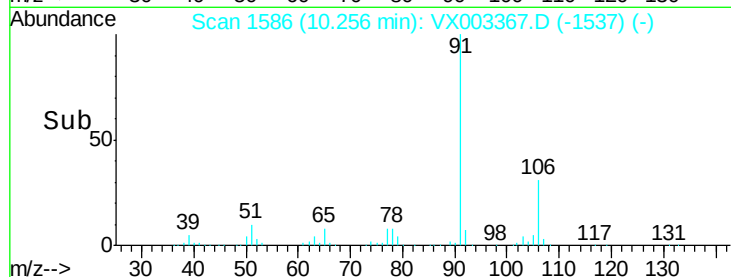
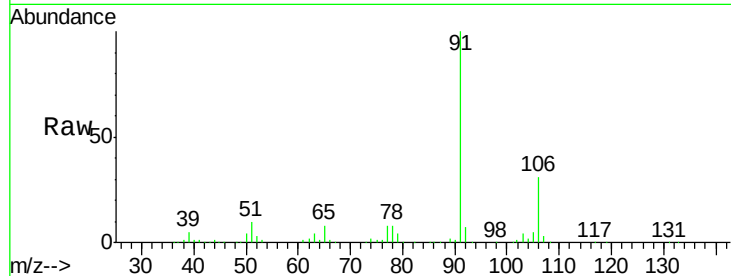
#67
Ethyl Benzene
Concen: 4.20 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 96267
Ion Ratio Lower Upper
91 100
106 31.3 25.5 38.3

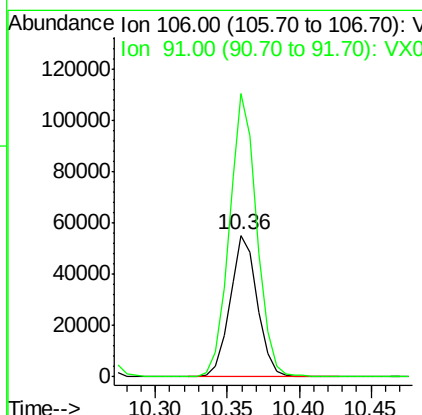
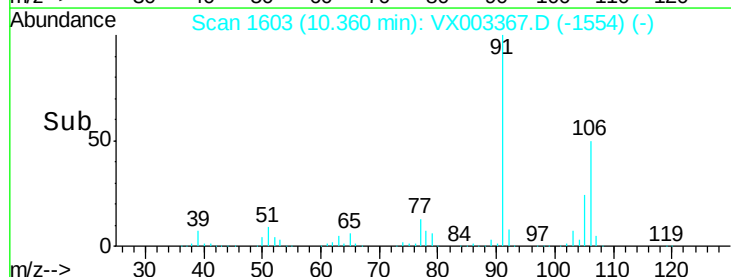
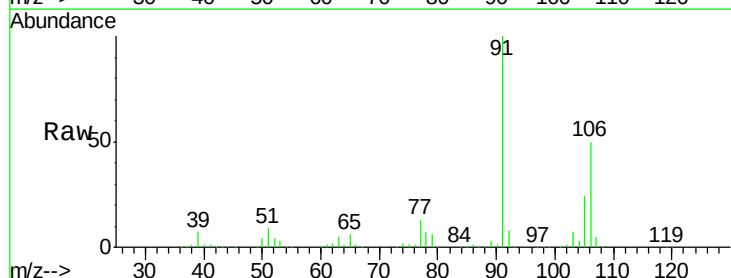
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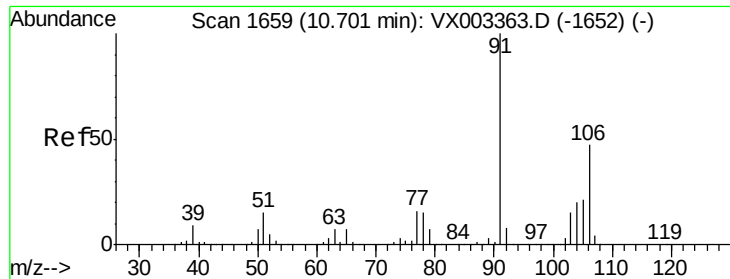
MMDadoda
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#68
m/p-Xylenes
Concen: 8.22 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Tgt Ion: 106 Resp: 73315
Ion Ratio Lower Upper
106 100
91 202.1 163.4 245.2





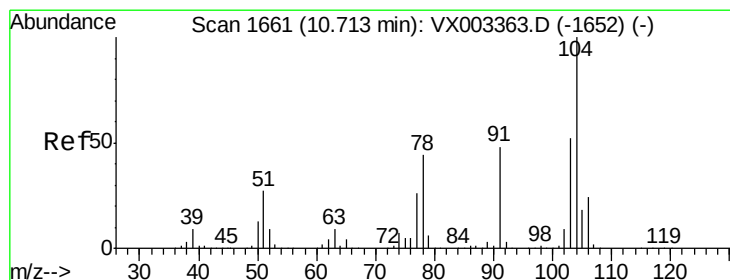
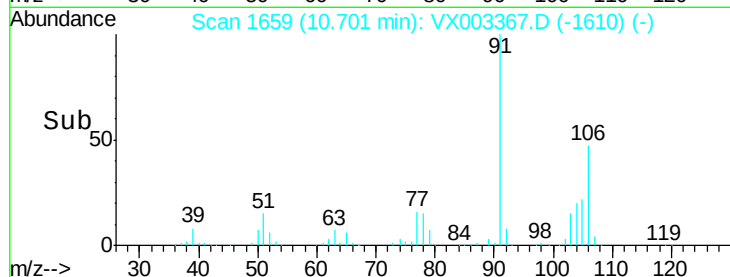
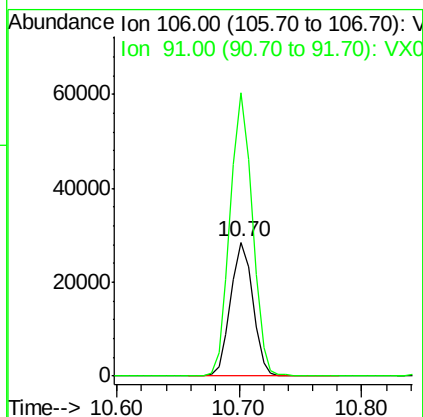
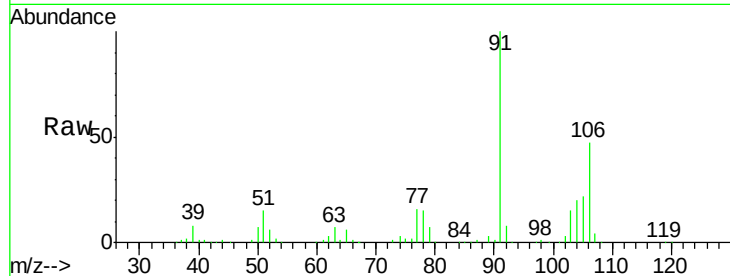
#69
o-Xylene
Concen: 4.16 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 35964
Ion Ratio Lower Upper
106 100
91 212.4 108.2 324.6

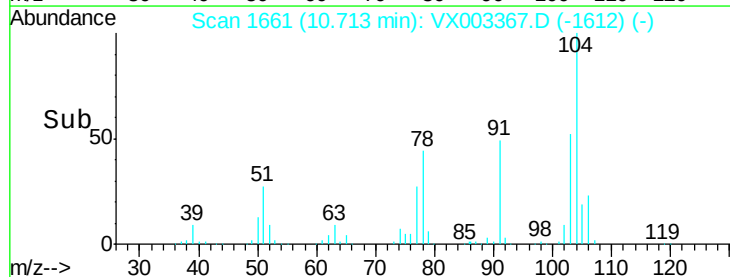
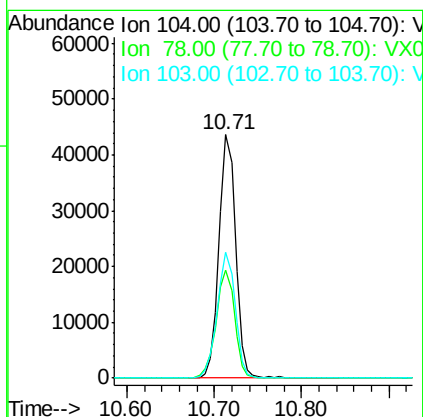
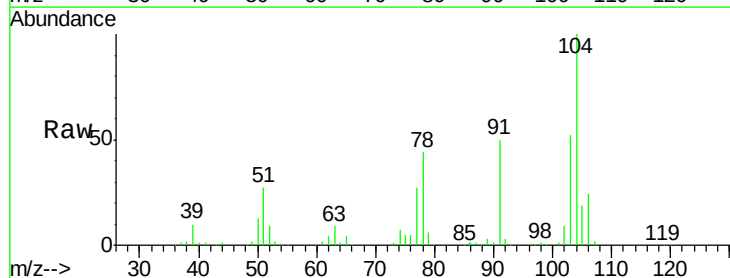
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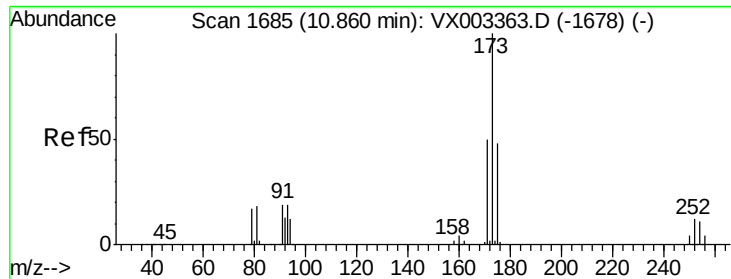
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#70
Styrene
Concen: 4.11 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Tgt Ion:104 Resp: 57576
Ion Ratio Lower Upper
104 100
78 49.3 41.0 61.6
103 55.9 44.2 66.4





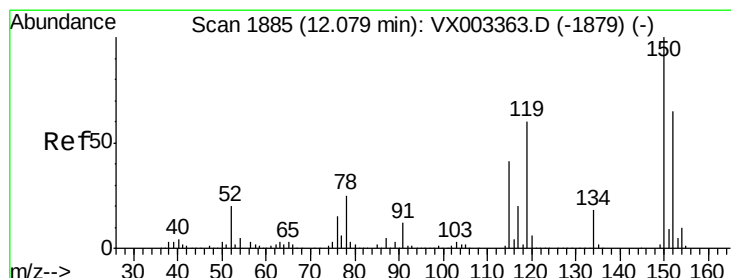
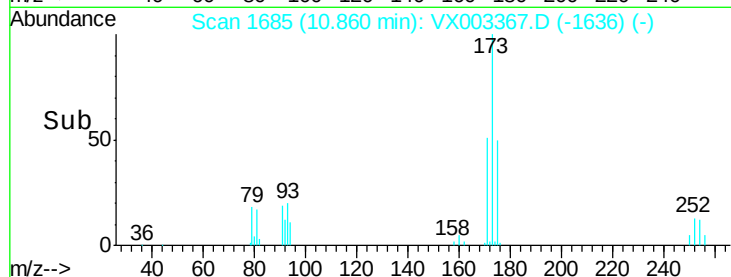
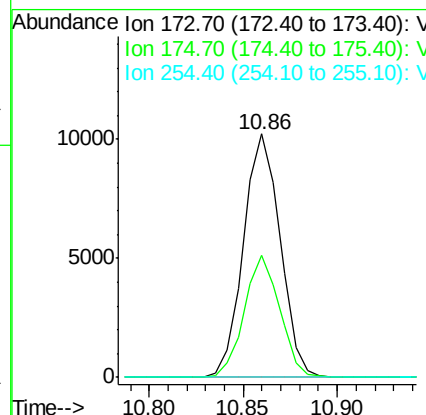
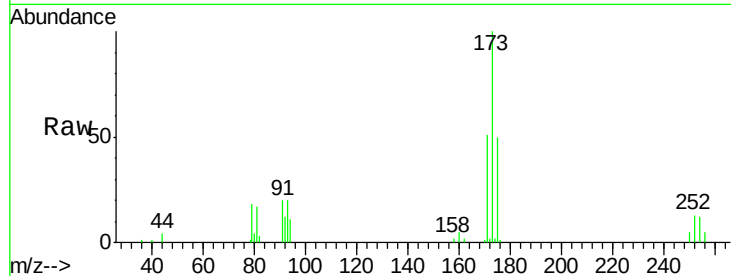
#71
Bromoform
Concen: 3.28 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.7	74.1
254	0.0	0.2	0.2

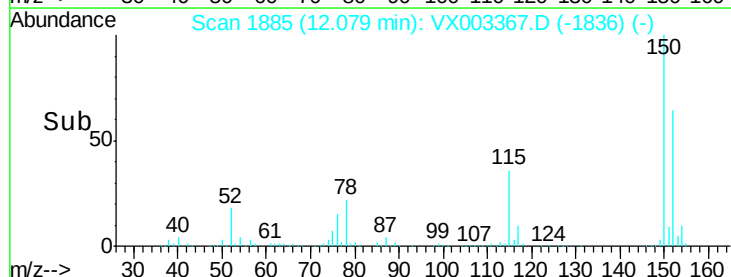
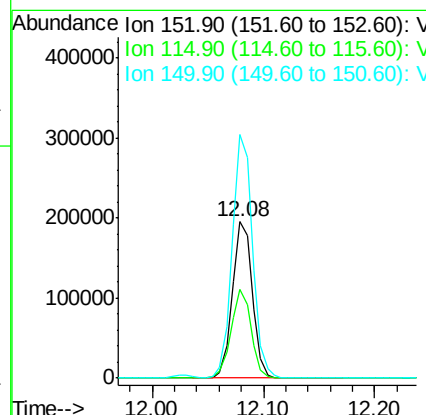
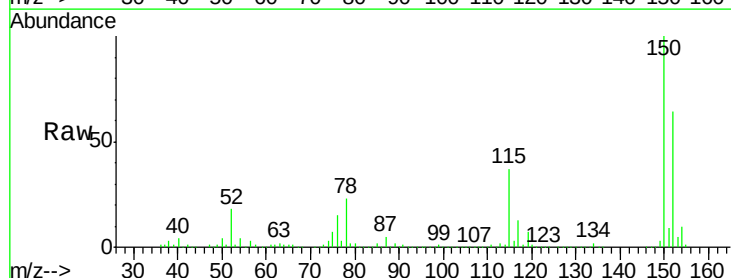
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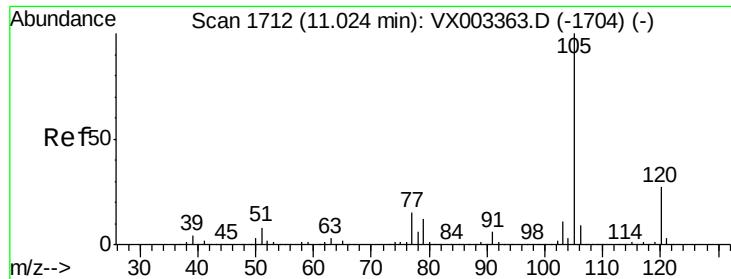
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	40.1	120.2
150	158.4	0.0	347.2





#73

Isopropylbenzene

Concen: 5.05 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 96091

Ion Ratio Lower Upper

105 100

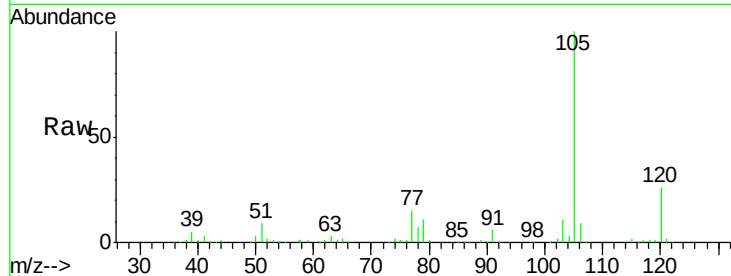
120 26.7 13.5 40.4

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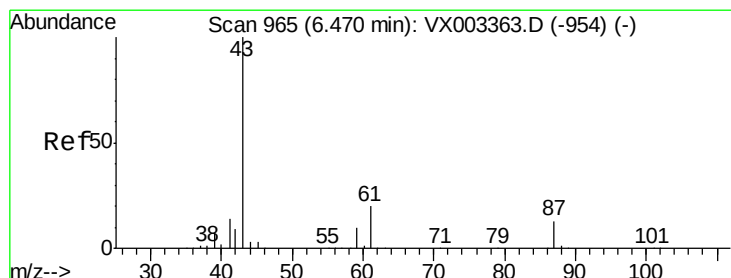
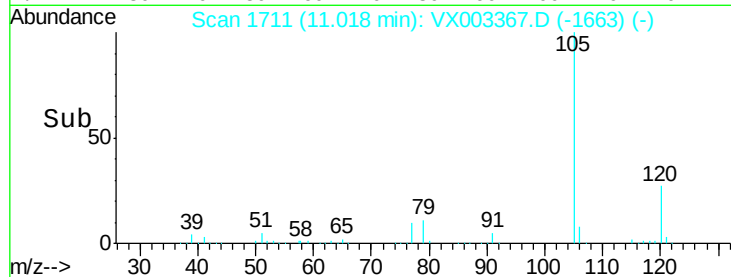
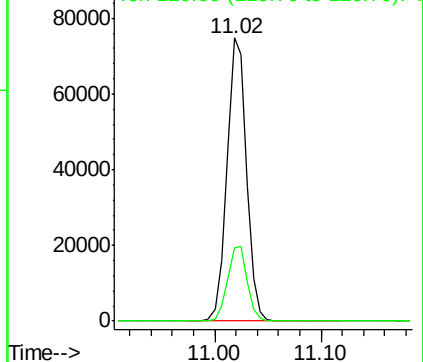
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.67 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Tgt Ion: 43 Resp: 42407

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

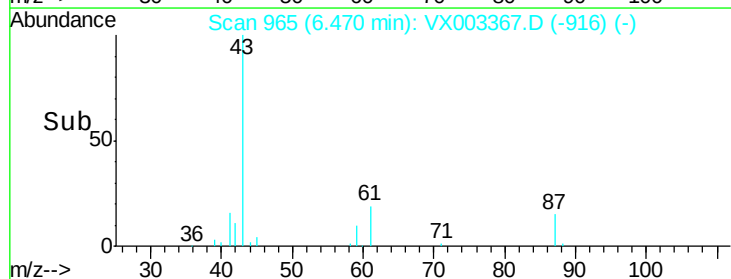
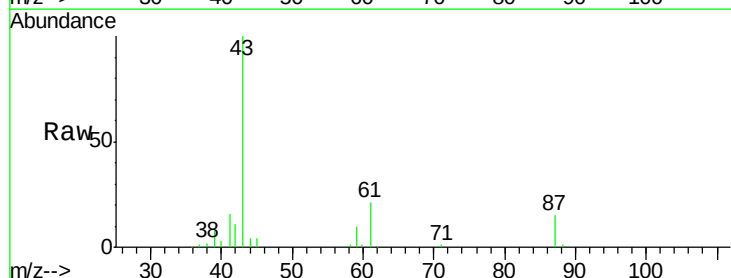
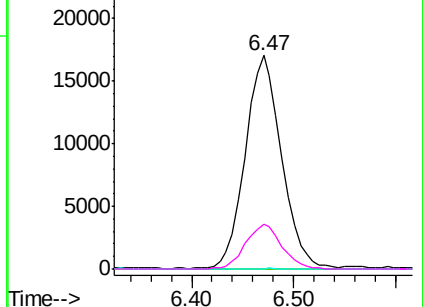
61 20.9 14.4 21.6

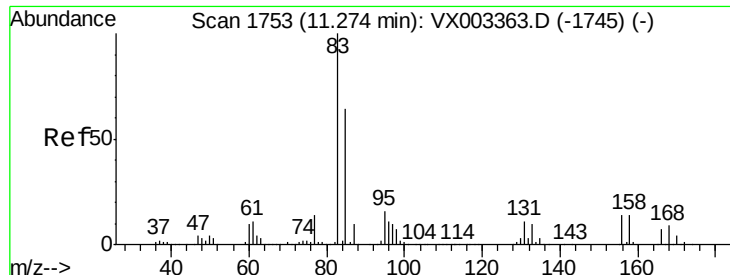
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.31 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Instrument :

MSVOA_X

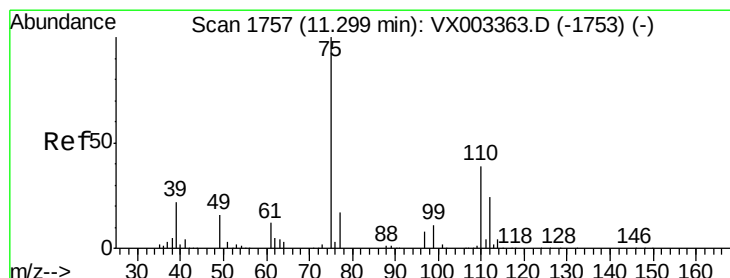
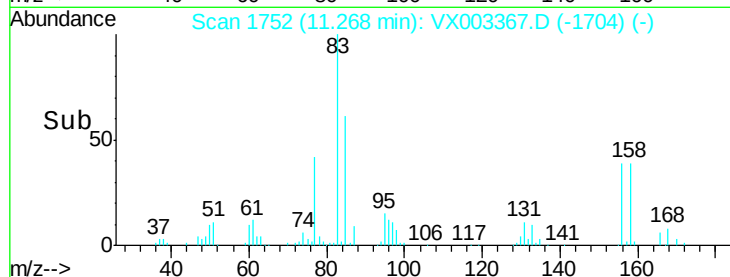
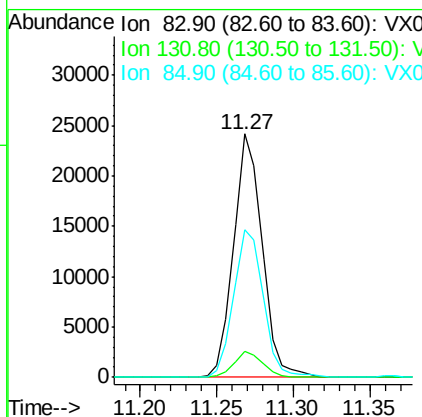
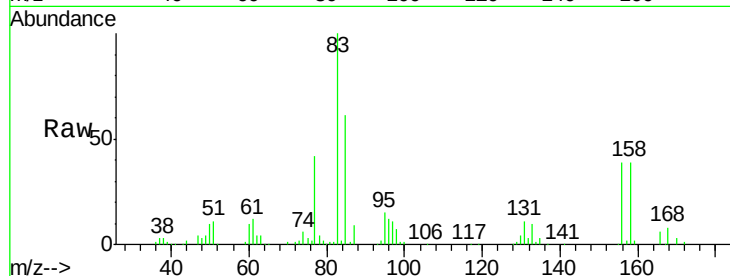
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	31363
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.6	16.8
85	63.0	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 5.19 ug/l m

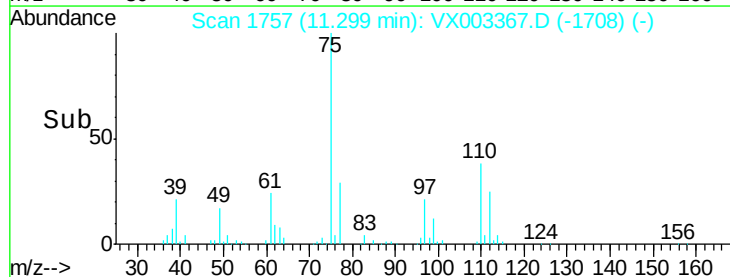
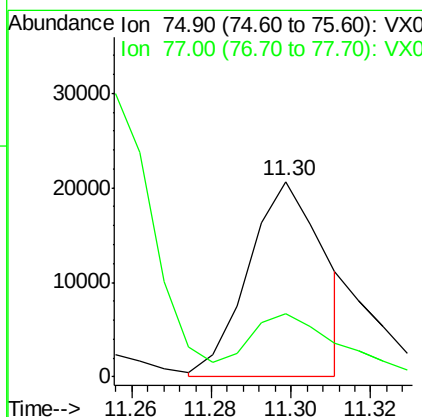
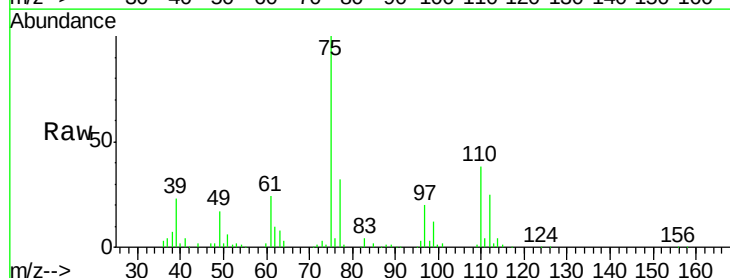
RT: 11.30 min Scan# 1757

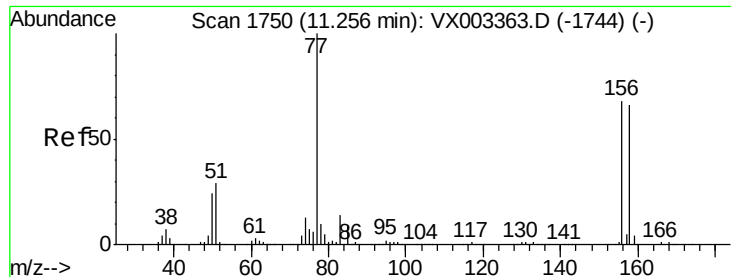
Delta R.T. 0.00 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Tgt Ion:	75	Resp:	27033
Ion Ratio	Lower	Upper	
75	100		
77	39.8	22.8	68.3





#77

Bromobenzene

Concen: 5.03 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 27659

Ion Ratio Lower Upper

156 100

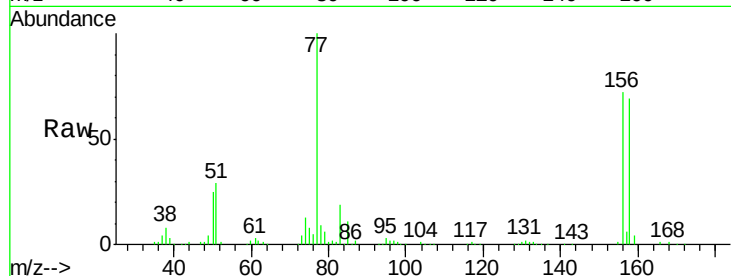
77 139.5 71.4 214.2

158 96.5 48.9 146.6

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MMDadoda

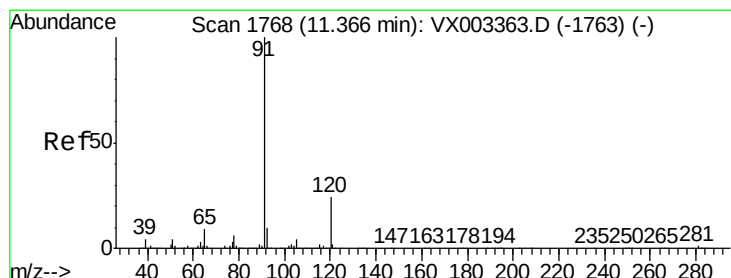
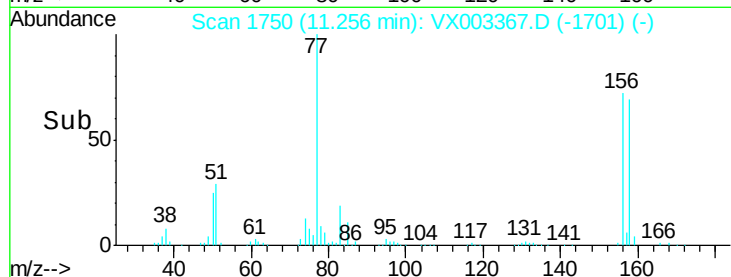
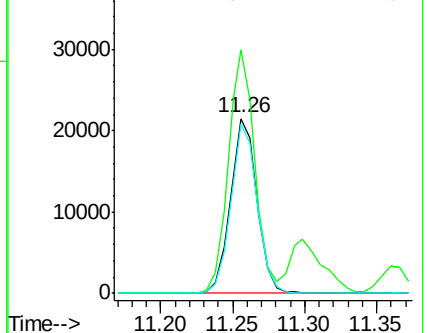
7/16/2018 11:24:43 AM



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: 5.00 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003367.D

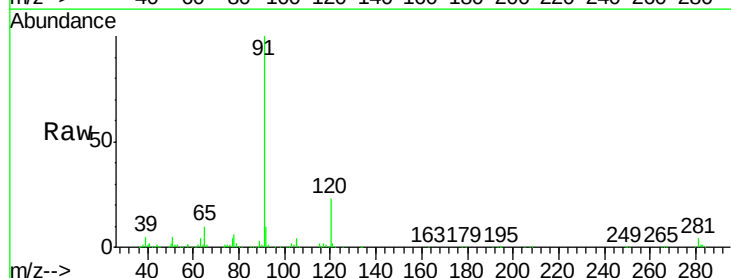
Acq: 13 Jul 2018 15:03

Tgt Ion: 91 Resp: 105874

Ion Ratio Lower Upper

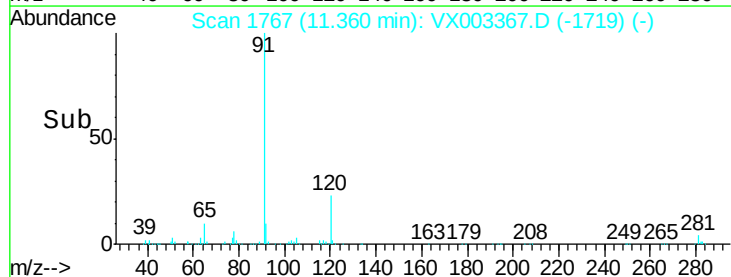
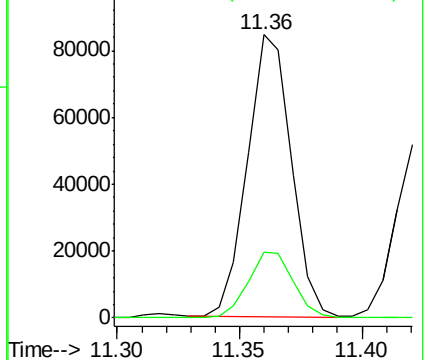
91 100

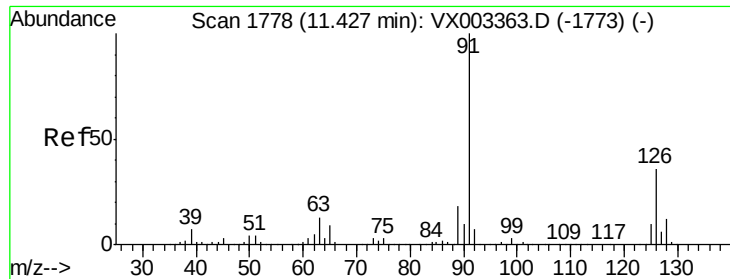
120 23.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.22 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 67338

Ion Ratio Lower Upper

91 100

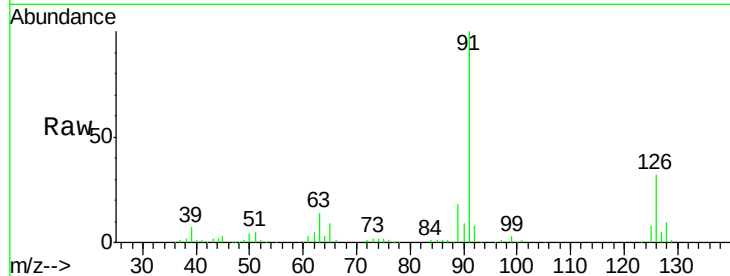
126 34.9 17.7 53.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX003367.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX003367.D (-1773) (-)

100000

80000

60000

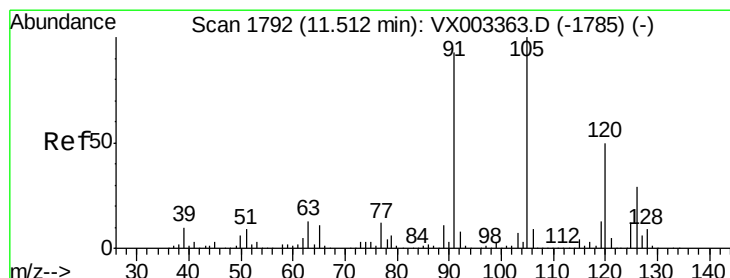
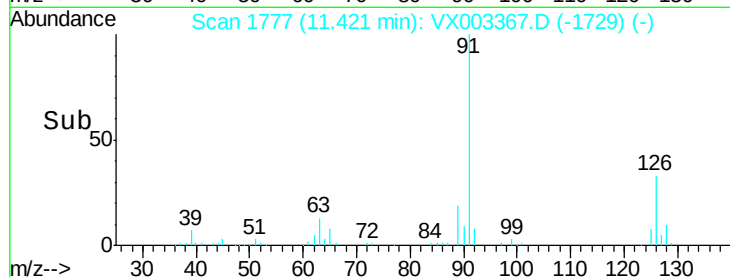
40000

20000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 4.93 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003367.D

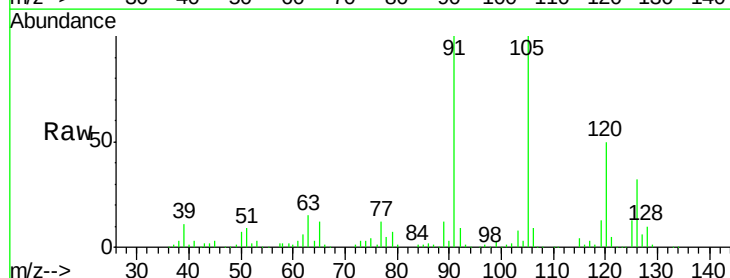
Acq: 13 Jul 2018 15:03

Tgt Ion: 105 Resp: 78208

Ion Ratio Lower Upper

105 100

120 49.5 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003367.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX003367.D (-1785) (-)

60000

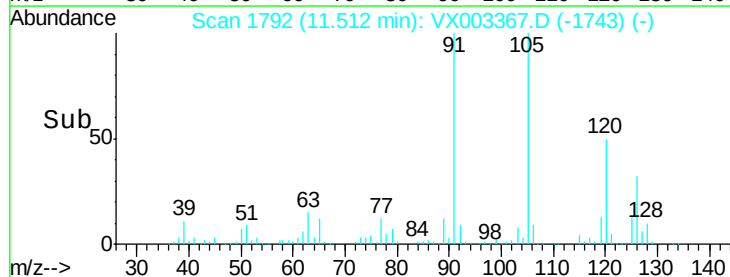
40000

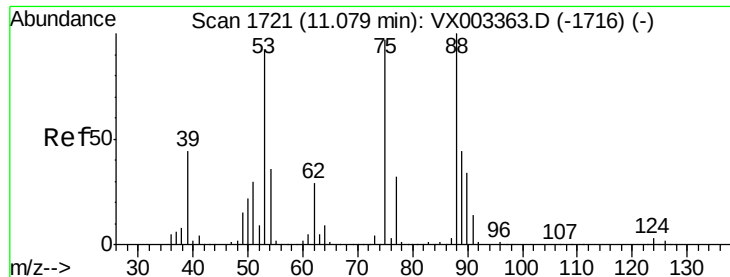
20000

0

11.50 11.51 11.60

Time-->





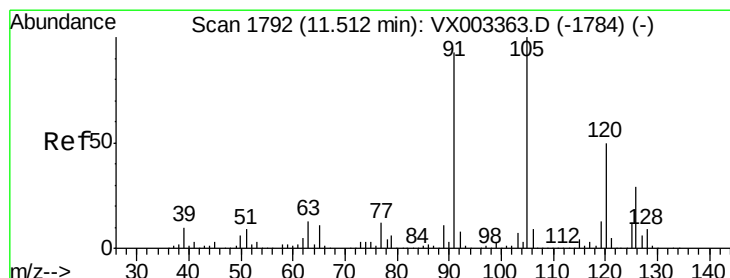
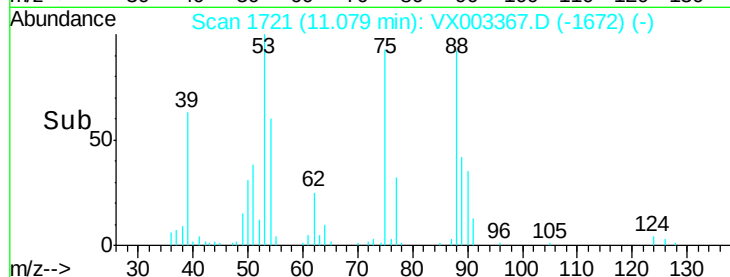
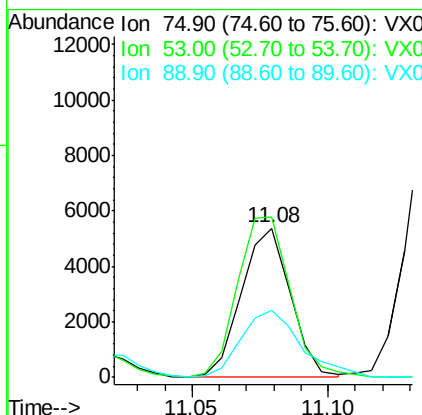
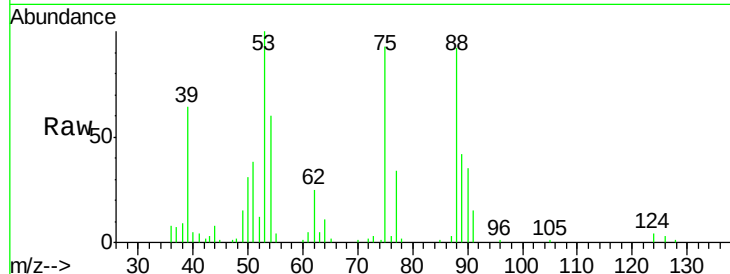
#81
trans-1,4-Dichloro-2-butene
Concen: 4.24 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 6753
Ion Ratio Lower Upper
75 100
53 115.6 86.8 130.2
89 54.9 38.2 57.2

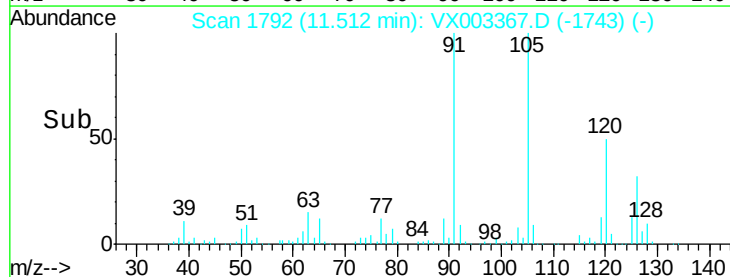
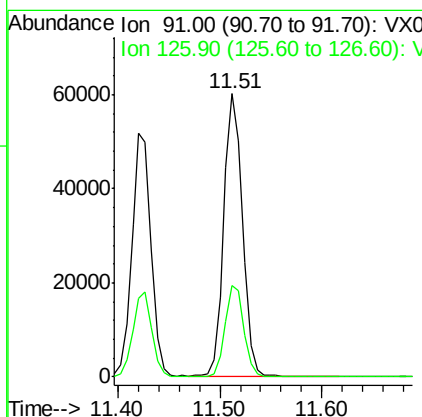
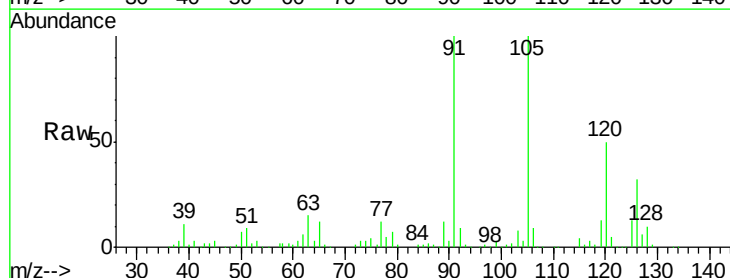
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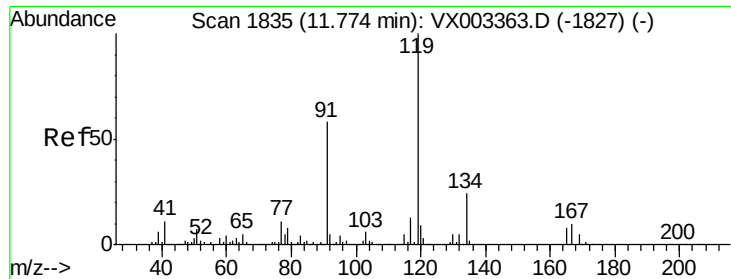
MMDadoda
7/16/2018 11:24:43 AM



#82
4-Chlorotoluene
Concen: 5.14 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Tgt Ion: 91 Resp: 77310
Ion Ratio Lower Upper
91 100
126 32.0 15.4 46.4





#83
 tert-Butylbenzene
 Concen: 4.77 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003367.D
 Acq: 13 Jul 2018 15:03

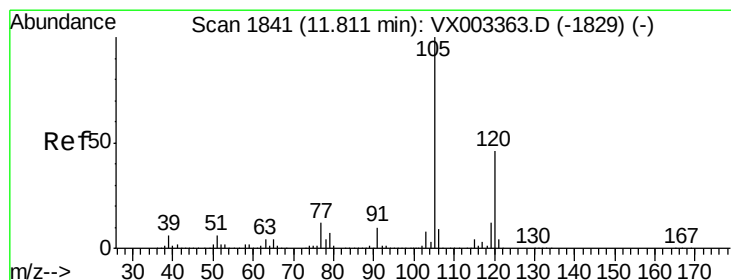
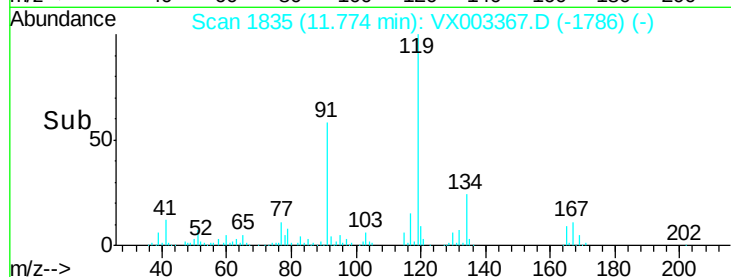
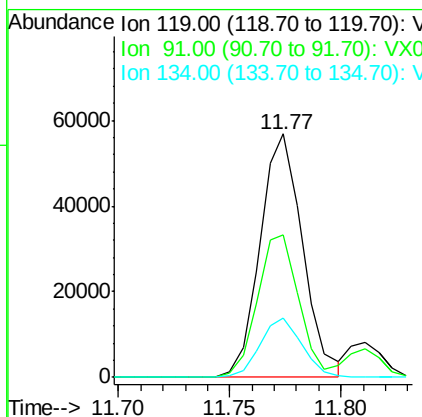
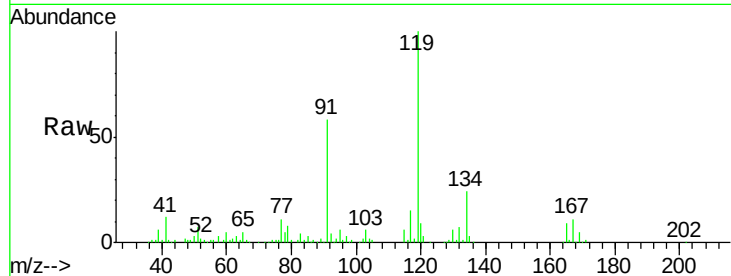
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.8	30.3	90.9
134	24.0	11.7	35.1

Manual Integrations
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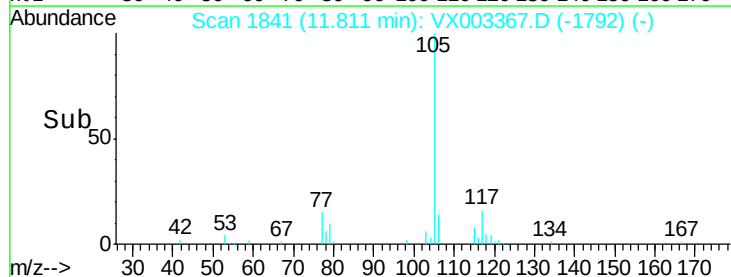
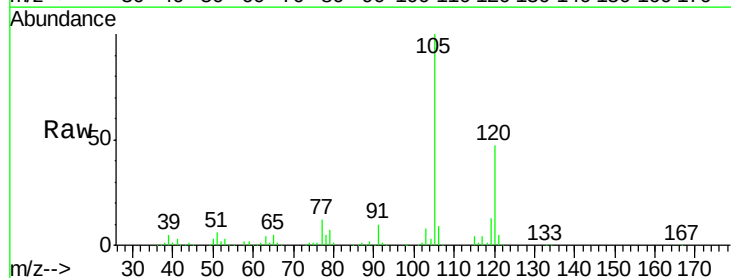
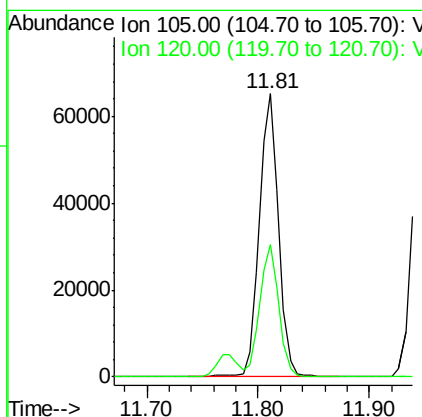
MMDadoda

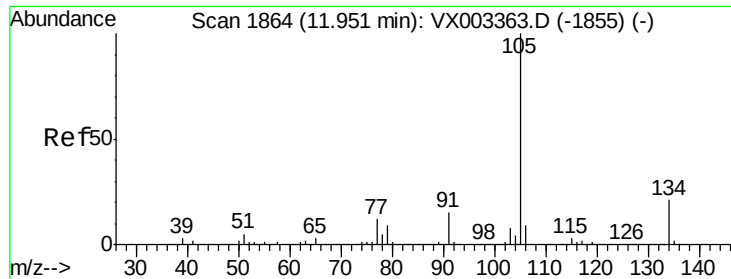
7/16/2018 11:24:43 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 4.87 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003367.D
 Acq: 13 Jul 2018 15:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.3	66.8





#85

sec-Butylbenzene

Concen: 4.93 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 92256

Ion Ratio Lower Upper

105 100

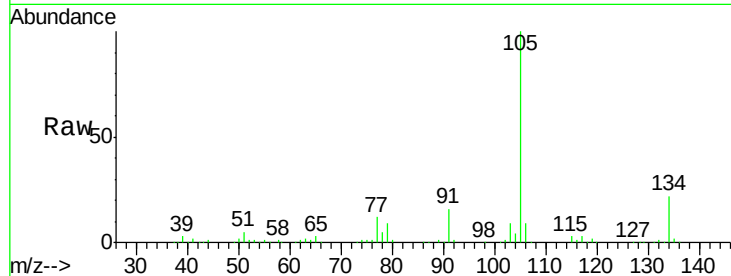
134 20.6 10.4 31.1

Manual Integrations

APPROVED

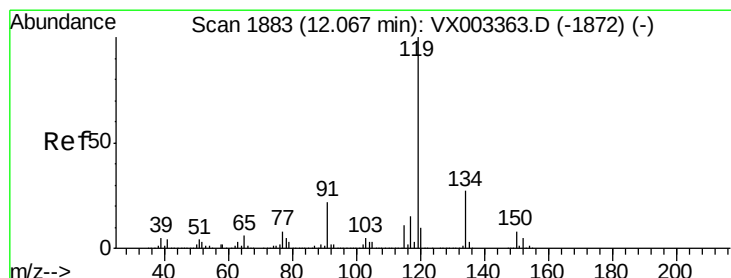
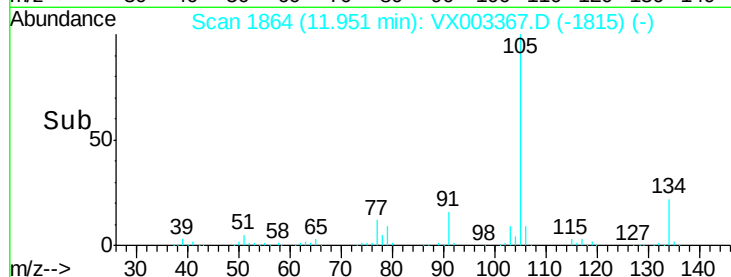
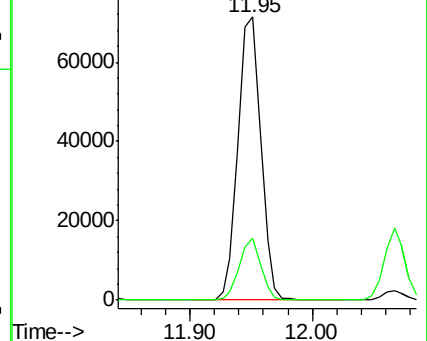
MMDadoda

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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: 4.80 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

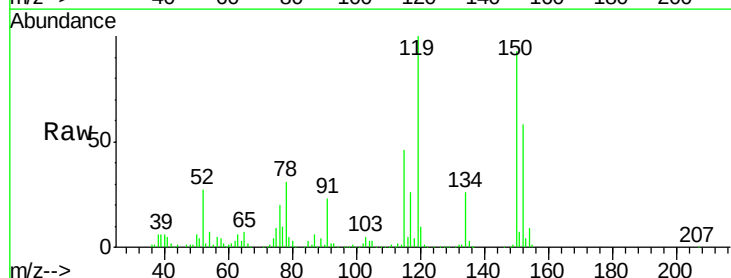
Tgt Ion:119 Resp: 81813

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

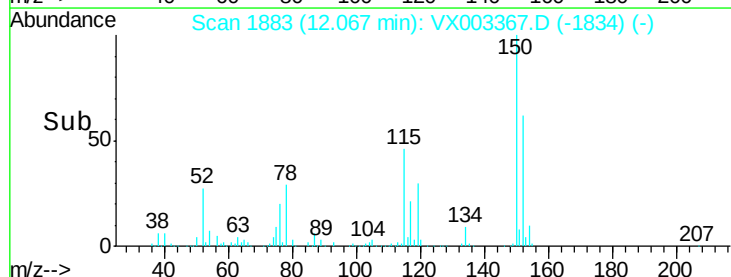
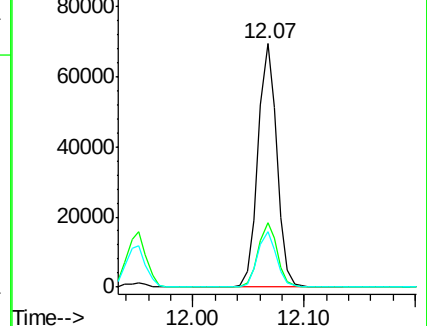
91 23.0 11.9 35.7

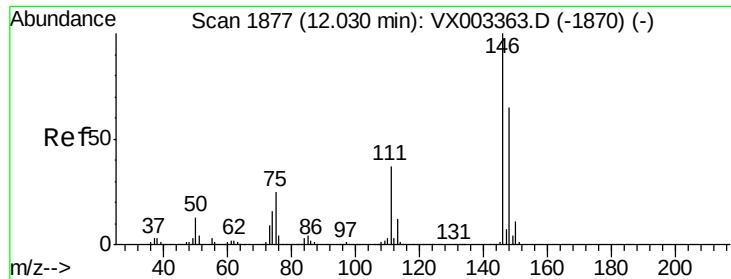


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87
 1,3-Dichlorobenzene
 Concen: 5.01 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003367.D
 Acq: 13 Jul 2018 15:03

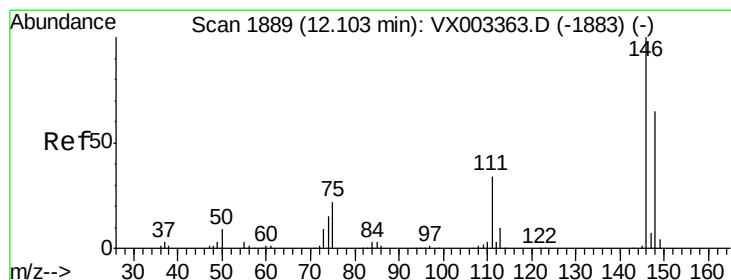
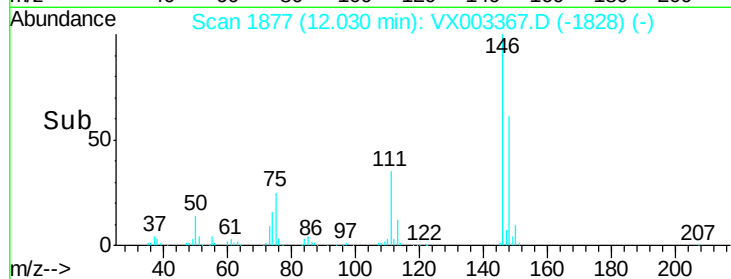
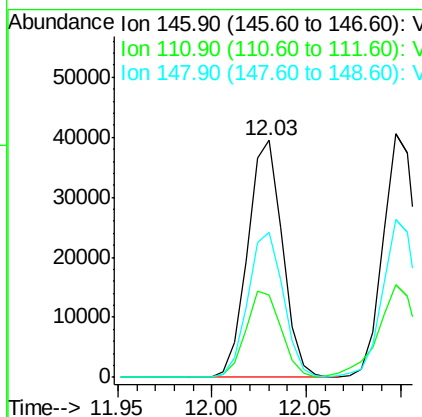
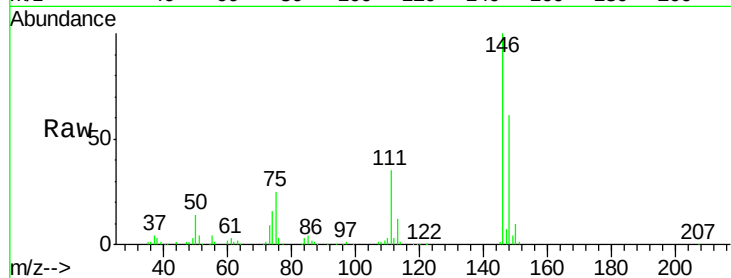
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.9	56.7
148	62.4	32.1	96.3

Manual Integrations
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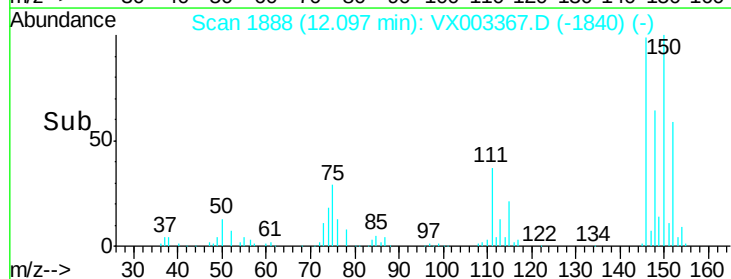
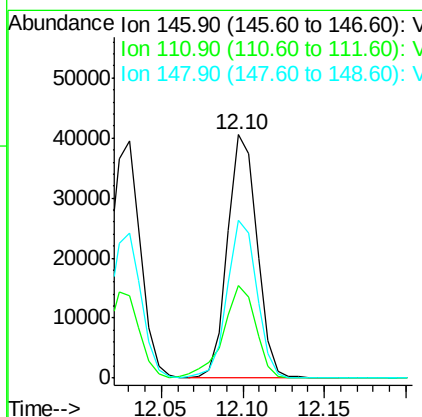
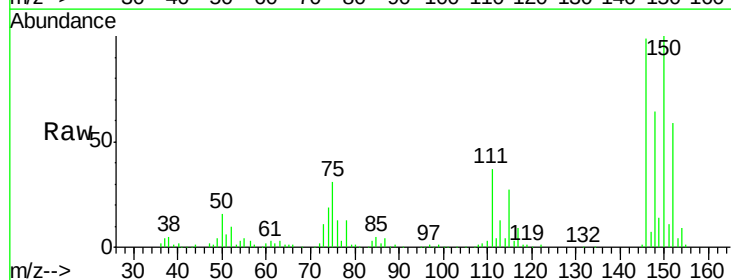
MMDadoda

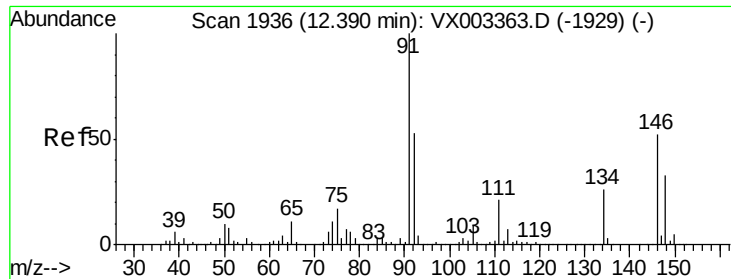
7/16/2018 11:24:43 AM



#88
 1,4-Dichlorobenzene
 Concen: 5.01 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003367.D
 Acq: 13 Jul 2018 15:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	18.7	56.1
148	65.6	32.4	97.0





#89

n-Butylbenzene

Concen: 4.81 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Instrument :

MSVOA_X

ClientSampleId :

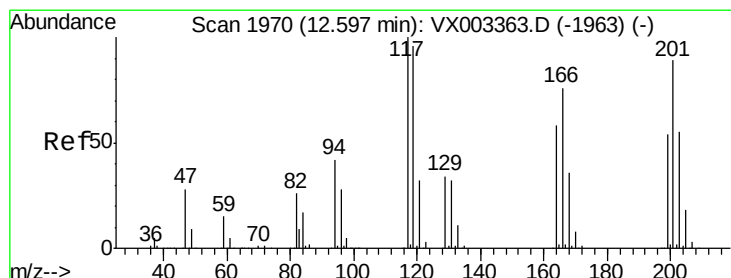
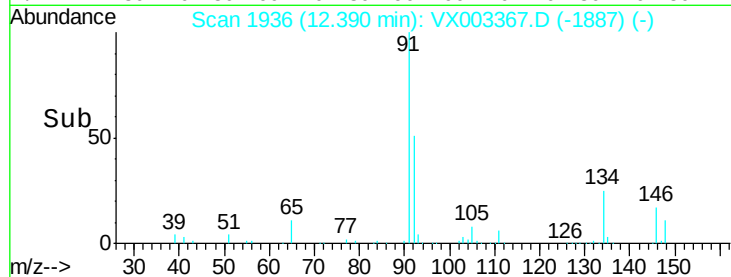
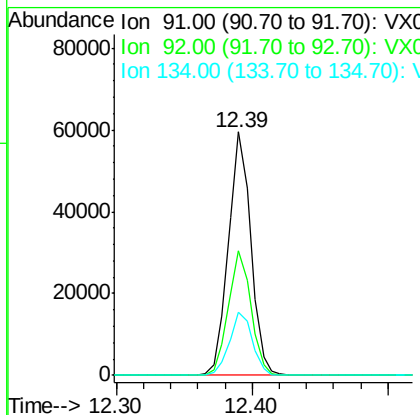
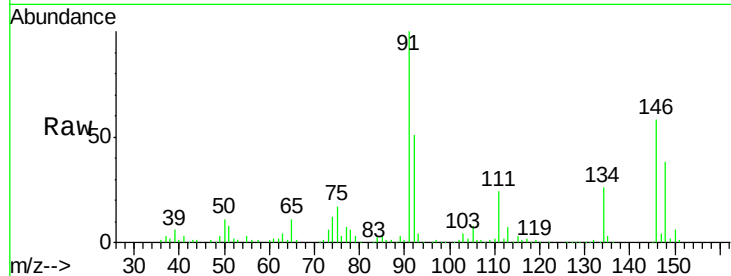
VSTDIC005

Tot Ion:	91	Resp:	68482
Ion Ratio	Lower	Upper	
91	100		
92	51.6	26.0	78.0
134	26.4	13.5	40.5

Manual Integrations
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#90

Hexachloroethane

Concen: 4.07 ug/l

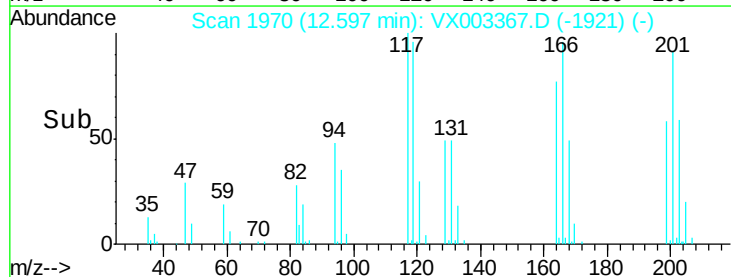
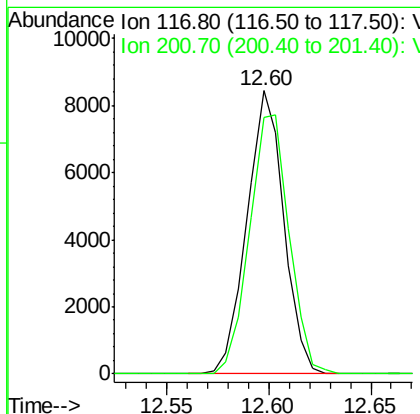
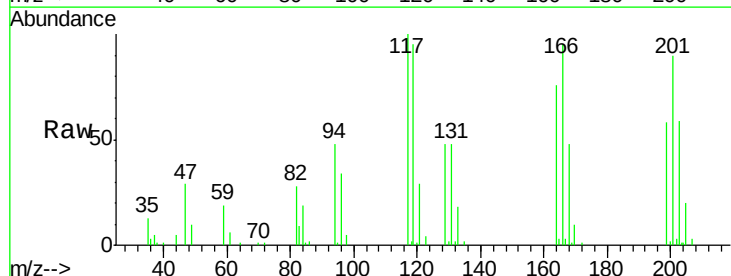
RT: 12.60 min Scan# 1970

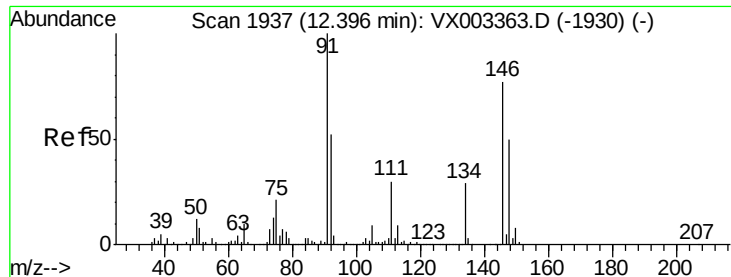
Delta R.T. 0.00 min

Lab File: VX003367.D

Acq: 13 Jul 2018 15:03

Tgt Ion:	117	Resp:	10595
Ion Ratio	Lower	Upper	
117	100		
201	98.2	49.0	147.0





#91
1,2-Dichlorobenzene
Concen: 4.92 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

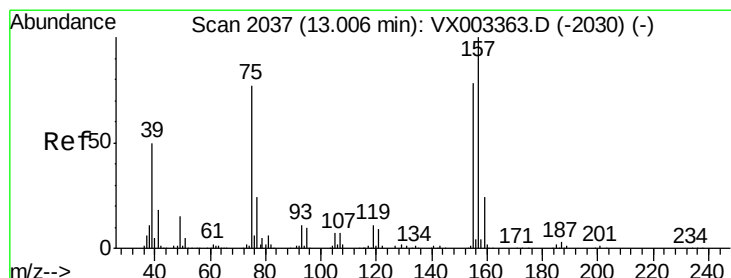
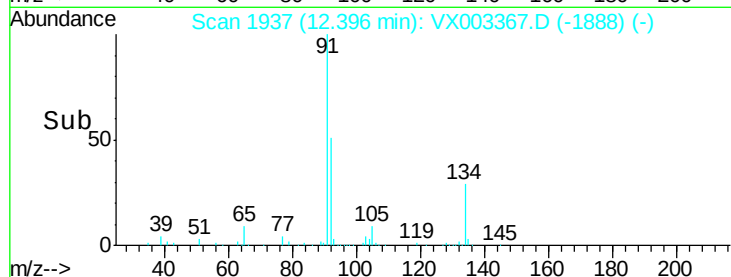
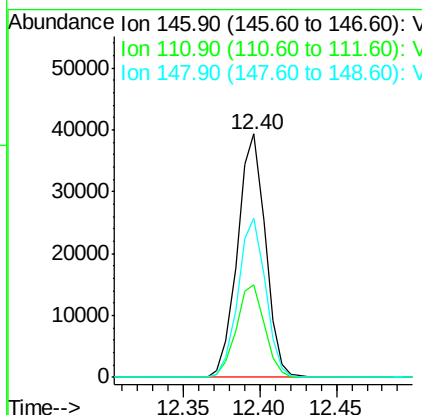
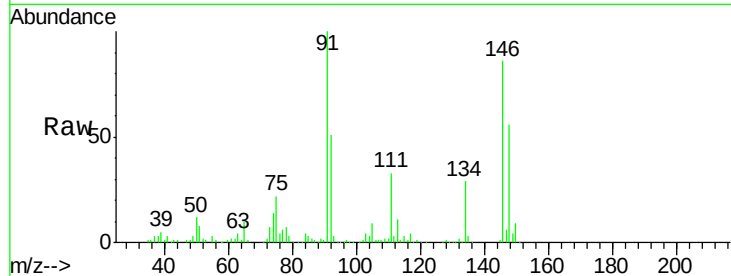
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.1
148	64.3	31.7	95.1

Manual Integrations
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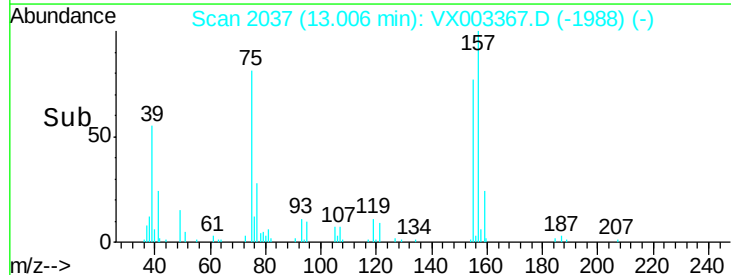
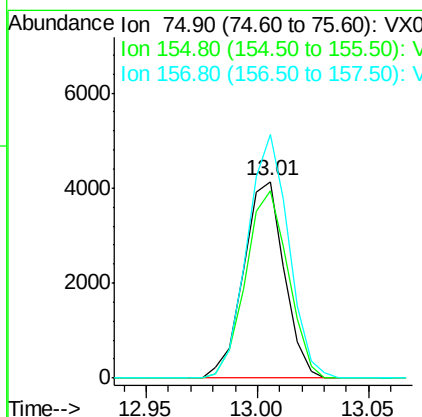
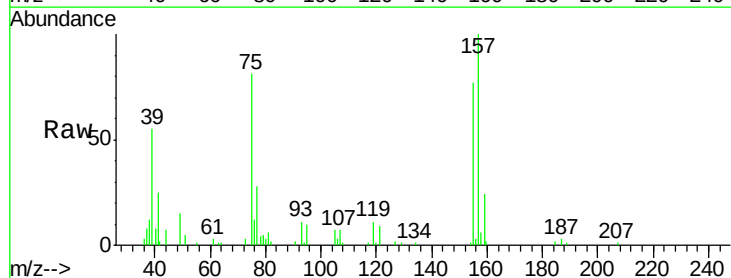
MMDadoda

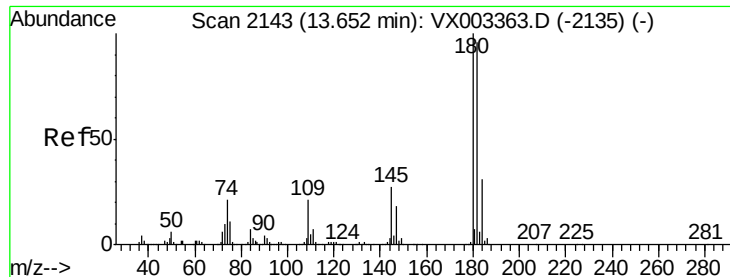
7/16/2018 11:24:43 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.17 ug/l
RT: 13.01 min Scan# 2037
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.0	45.8	137.4
157	125.6	60.1	180.3





#93
1,2,4-Trichlorobenzene
Concen: 4.59 ug/l
RT: 13.65 min Scan# 2142
Delta R.T. -0.01 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

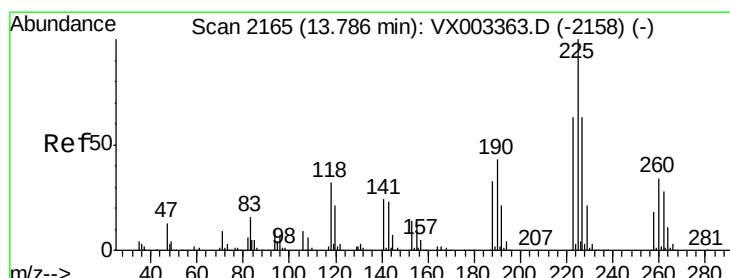
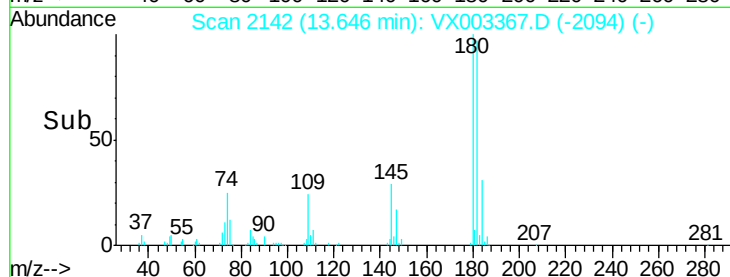
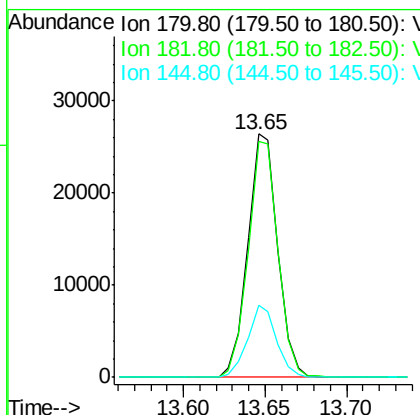
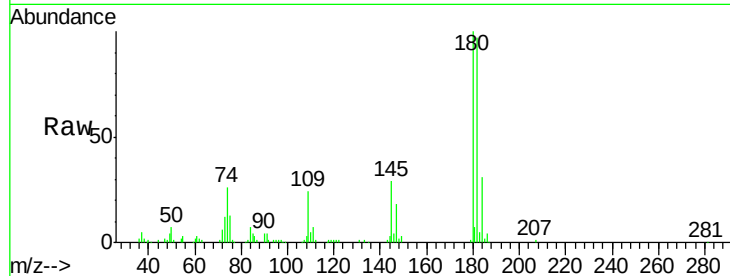
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	33826		
182	96.5	47.7	143.1	
145	28.3	14.1	42.4	

Manual Integrations
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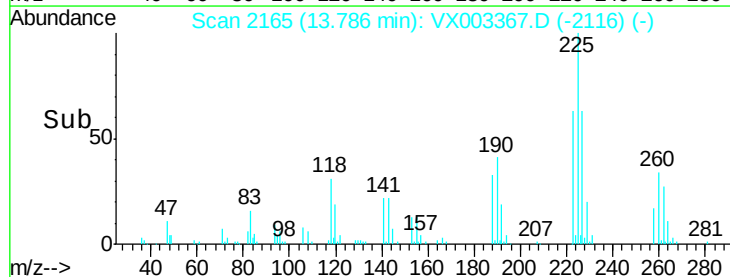
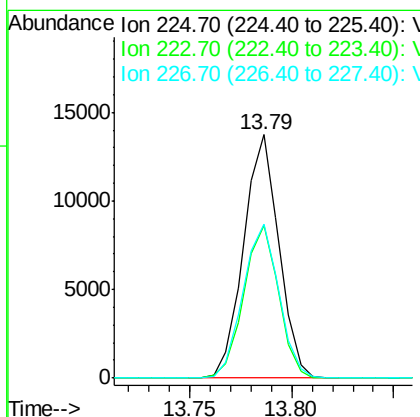
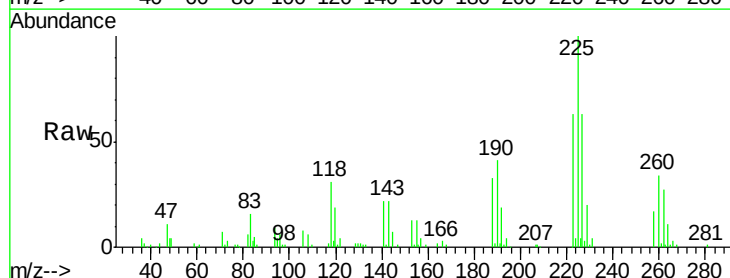
MMDadoda

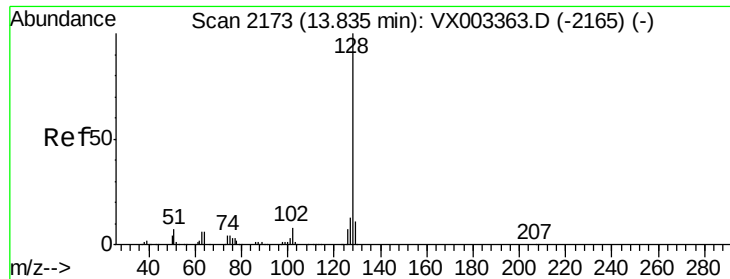
7/16/2018 11:24:43 AM



#94
Hexachlorobutadiene
Concen: 4.50 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	16514		
223	61.7	31.6	95.0	
227	64.5	32.4	97.2	





#95
Naphthalene
Concen: 4.75 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

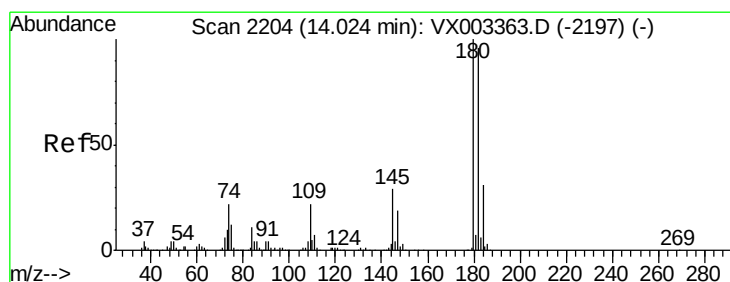
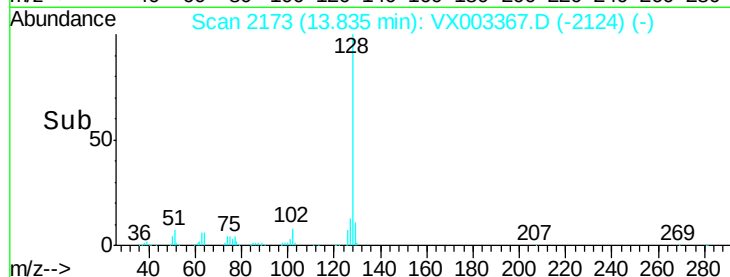
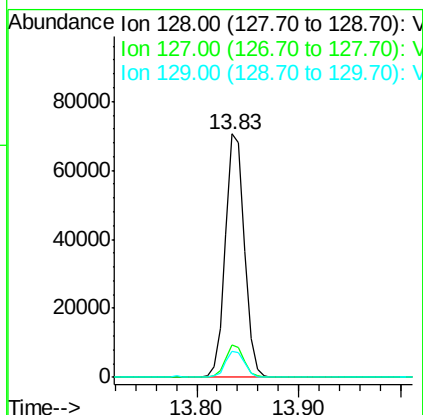
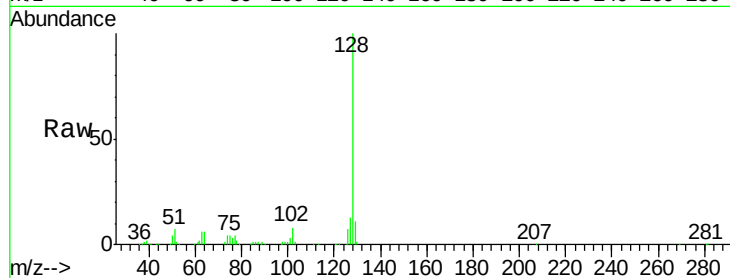
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda

7/16/2018 11:24:43 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.65 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003367.D
Acq: 13 Jul 2018 15:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.0	144.0
145	29.3	14.8	44.3

