

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101218\
 Data File : VX005324.D
 Acq On : 13 Oct 2018 05:50
 Operator : JC/MD
 Sample : J5429-05MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-MMW3414MSD

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 9:06:25 AM

Quant Time: Oct 15 01:03:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	232234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	354056	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	327896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185682	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	138327	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	
35) Dibromofluoromethane	5.50	113	113775	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
50) Toluene-d8	8.71	98	421202	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
62) 4-Bromofluorobenzene	11.14	95	156606	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	103046	56.75	ug/l	98
3) Chloromethane	1.32	50	139158	52.89	ug/l	98
4) Vinyl Chloride	1.41	62	144230	54.11	ug/l	97
5) Bromomethane	1.64	94	85555	56.76	ug/l	88
6) Chloroethane	1.71	64	89760	57.89	ug/l	98
7) Trichlorofluoromethane	1.92	101	194376	54.65	ug/l	95
8) Diethyl Ether	2.19	74	85690	56.42	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.39	101	107466	52.35	ug/l	96
10) Methyl Iodide	2.51	142	142590	62.68	ug/l	99
11) Tert butyl alcohol	3.08	59	192949	265.38	ug/l	100
12) 1,1-Dichloroethene	2.37	96	109802	53.98	ug/l	87
13) Acrolein	2.29	56	111545	240.34	ug/l	95
14) Allyl chloride	2.73	41	236240	52.90	ug/l	96
15) Acrylonitrile	3.15	53	444125	269.56	ug/l	98
16) Acetone	2.45	43	403601	270.83	ug/l	97
17) Carbon Disulfide	2.57	76	332740	54.00	ug/l	98
18) Methyl Acetate	2.78	43	299798	70.71	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	413915	57.78	ug/l	98
20) Methylene Chloride	2.85	84	132627	61.38	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	119997	53.24	ug/l	96
22) Diisopropyl ether	3.87	45	397845	53.04	ug/l	97
23) Vinyl Acetate	3.82	43	1502586	229.20	ug/l #	92
24) 1,1-Dichloroethane	3.70	63	237398	55.23	ug/l	99
25) 2-Butanone	4.70	43	590381	270.77	ug/l	96
26) 2,2-Dichloropropane	4.59	77	111565	34.70	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	139142	56.80	ug/l	97
28) Bromochloromethane	5.01	49	111464	56.88	ug/l	95
29) Tetrahydrofuran	5.15	42	372496	267.82	ug/l	96
30) Chloroform	5.21	83	223153	55.93	ug/l	86
31) Cyclohexane	5.57	56	176752	49.89	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	186189	53.63	ug/l	99
36) 1,1-Dichloropropene	5.80	75	158181	46.13	ug/l	99
37) Ethyl Acetate	4.85	43	173976	39.45	ug/l	98
38) Carbon Tetrachloride	5.78	117	162462	47.15	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	160845	43.34	ug/l	95
40) Benzene	6.15	78	492674	47.90	ug/l	98
41) Methacrylonitrile	5.06	41	122238	51.71	ug/l	96
42) 1,2-Dichloroethane	6.20	62	183063	50.40	ug/l	96
43) Isopropyl Acetate	6.46	43	279288	47.54	ug/l	97
44) Trichloroethene	7.21	130	126193	48.02	ug/l	98
45) 1,2-Dichloropropane	7.52	63	127989	50.72	ug/l	98
46) Dibromomethane	7.66	93	85222	51.17	ug/l	98
47) Bromodichloromethane	7.90	83	162486	52.75	ug/l	99
48) Methyl methacrylate	7.77	41	161165	52.90	ug/l	95
49) 1,4-Dioxane	7.76	88	64158	913.00	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	1091008	268.23	ug/l	95
52) Toluene	8.79	92	300192	53.34	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	170176	51.05	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	178933	49.54	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	125669	52.72	ug/l	98
56) Ethyl methacrylate	9.18	69	198369	57.09	ug/l	96
57) 1,3-Dichloropropane	9.37	76	211426	53.14	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.27	63	1677	0.86	ug/l #	45
59) 2-Hexanone	9.50	43	870796	266.15	ug/l	94
60) Dibromochloromethane	9.59	129	134783	54.70	ug/l	100
61) 1,2-Dibromoethane	9.67	107	131118	52.42	ug/l	99
64) Tetrachloroethene	9.34	164	117730	44.60	ug/l	100
65) Chlorobenzene	10.14	112	341414	48.95	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	128258	51.60	ug/l	98
67) Ethyl Benzene	10.26	91	573293	50.56	ug/l	98
68) m/p-Xylenes	10.36	106	447361	101.65	ug/l	95
69) o-Xylene	10.70	106	217255	51.19	ug/l	97
70) Styrene	10.71	104	369034	52.86	ug/l	97
71) Bromoform	10.86	173	115328	51.92	ug/l	99
73) Isopropylbenzene	11.02	105	581470	52.68	ug/l	99
74) N-amyl acetate	10.90	43	235654	44.26	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	214649	51.55	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	188939m	52.46	ug/l	
77) Bromobenzene	11.26	156	164825	52.22	ug/l	98
78) n-propylbenzene	11.36	91	656321	51.67	ug/l	100
79) 2-Chlorotoluene	11.42	91	400403	51.47	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	498112	52.70	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	52122	43.97	ug/l	99
82) 4-Chlorotoluene	11.51	91	475366	51.55	ug/l	100
83) tert-Butylbenzene	11.77	119	507645	53.03	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	516943	53.14	ug/l	98
85) sec-Butylbenzene	11.94	105	586211	51.75	ug/l	99
86) p-Isopropyltoluene	12.07	119	531515	51.91	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	297754	50.49	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	302448	50.13	ug/l	99
89) n-Butylbenzene	12.39	91	452957	48.72	ug/l	98
90) Hexachloroethane	12.60	117	89331	50.63	ug/l	92
91) 1,2-Dichlorobenzene	12.40	146	306754	50.97	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	51674	50.87	ug/l	98

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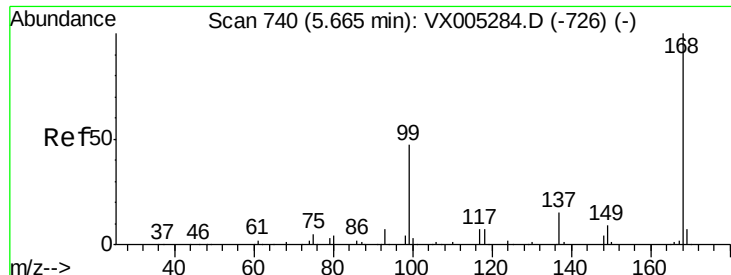
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	227083	51.43	ug/l	99
94) Hexachlorobutadiene	13.79	225	107682	46.17	ug/l	97
95) Naphthalene	13.83	128	726530	56.74	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	236770	52.41	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Instrument :

MSVOA_X

ClientSampleId :

FA18-MMW3414MSD

Tgt Ion: 168 Resp: 232234

Ion Ratio Lower Upper

168 100

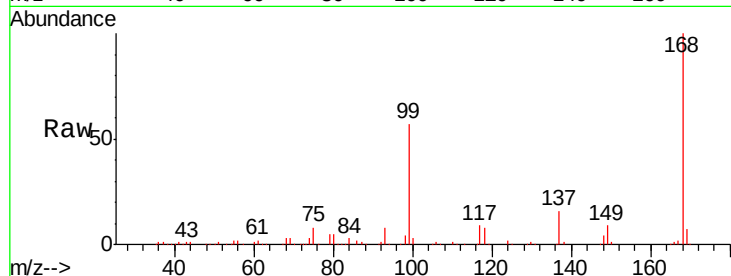
99 56.7 39.9 59.9

Manual Integrations

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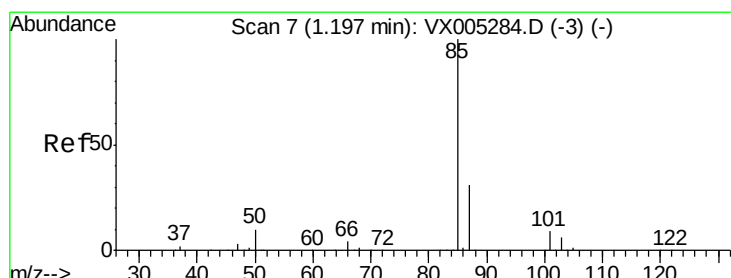
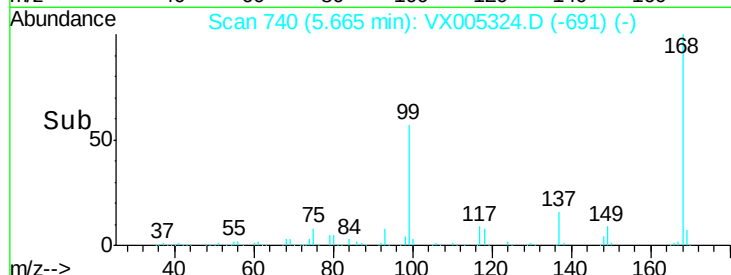
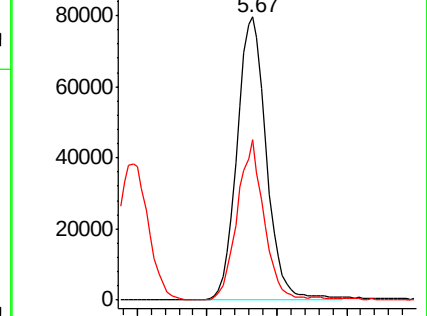
MMDadoda

10/17/2018 9:06:25 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 56.75 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005324.D

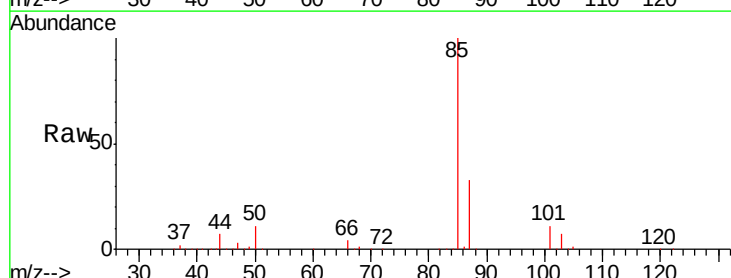
Acq: 13 Oct 2018 05:50

Tgt Ion: 85 Resp: 103046

Ion Ratio Lower Upper

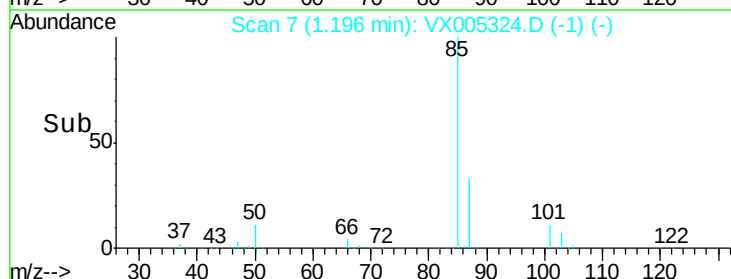
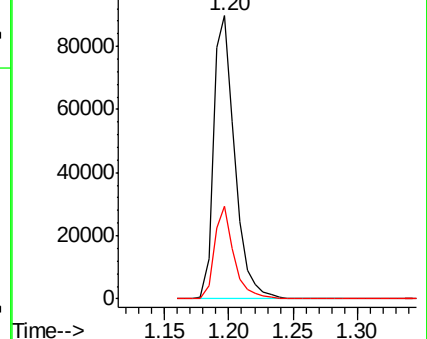
85 100

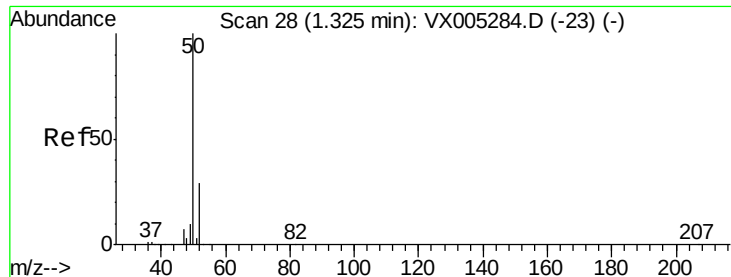
87 32.8 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 52.89 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Instrument :

MSVOA_X

ClientSampleId :

FA18-MMW3414MSD

Tgt Ion: 50 Resp: 139158

Ion Ratio Lower Upper

50 100

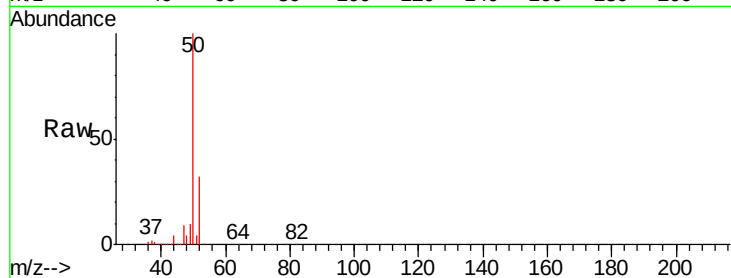
52 31.6 26.2 39.2

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

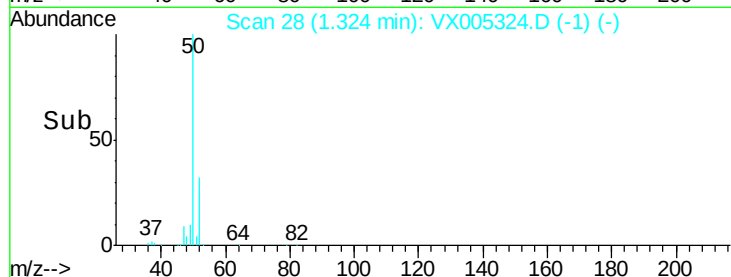
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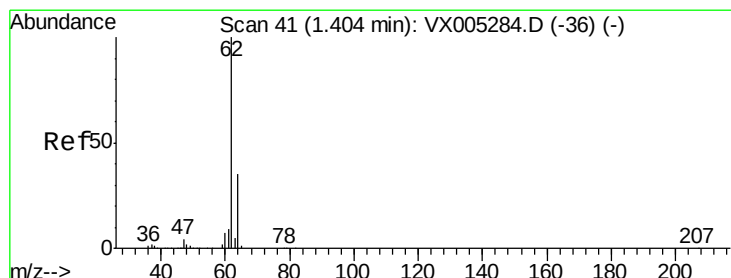
50000

0

Time-->



Time-->



#4

Vinyl Chloride

Concen: 54.11 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005324.D

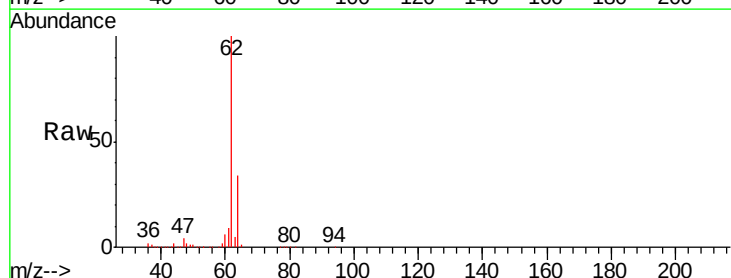
Acq: 13 Oct 2018 05:50

Tgt Ion: 62 Resp: 144230

Ion Ratio Lower Upper

62 100

64 33.7 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

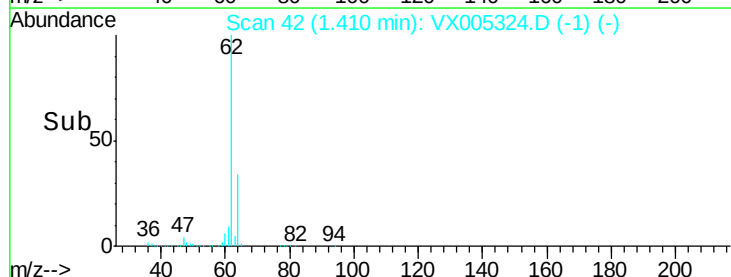
150000

100000

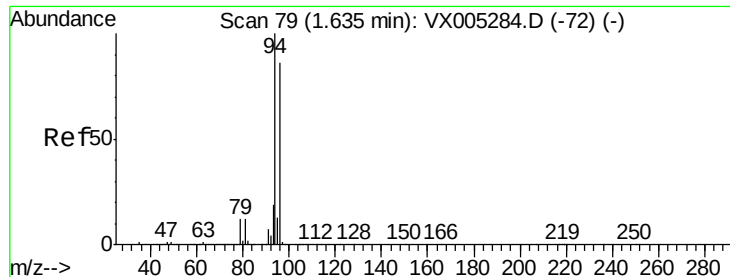
50000

0

Time-->



Time-->



#5

Bromomethane

Concen: 56.76 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Instrument :

MSVOA_X

ClientSampleId :

FA18-MMW3414MSD

Tgt Ion: 94 Resp: 85555

Ion Ratio Lower Upper

94 100

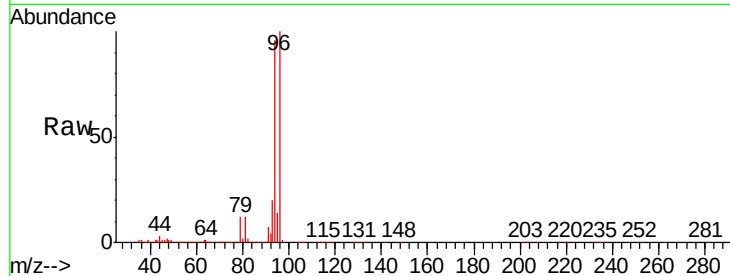
96 104.4 74.5 111.7

Manual Integrations

APPROVED

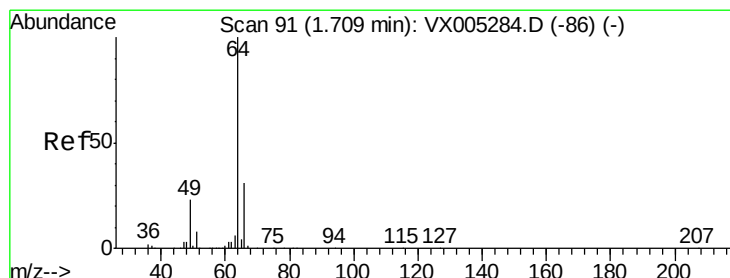
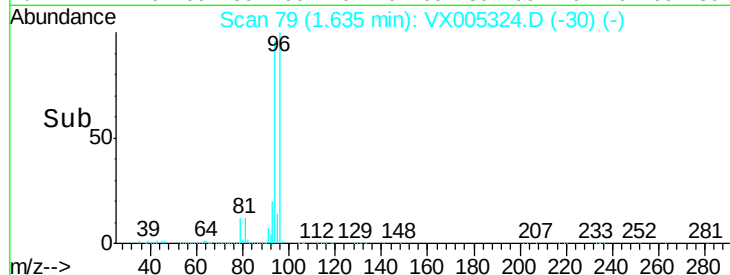
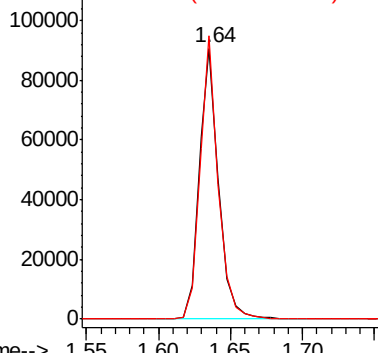
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 57.89 ug/l

RT: 1.71 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX005324.D

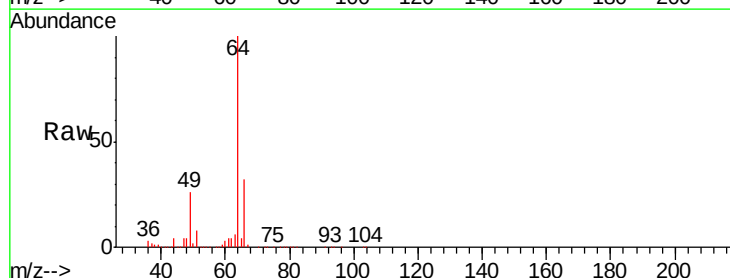
Acq: 13 Oct 2018 05:50

Tgt Ion: 64 Resp: 89760

Ion Ratio Lower Upper

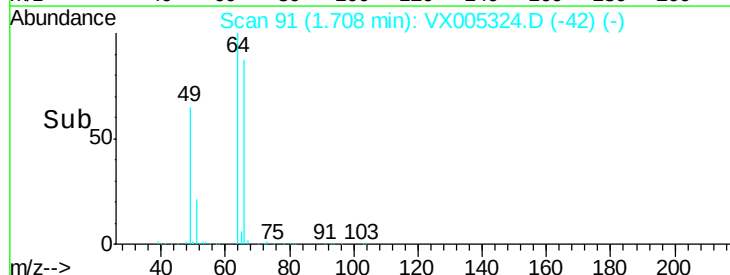
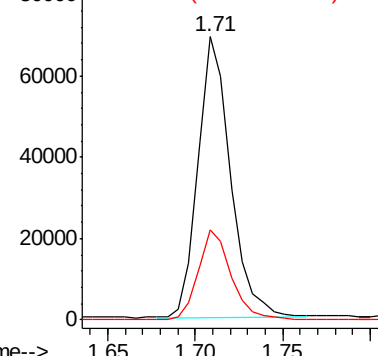
64 100

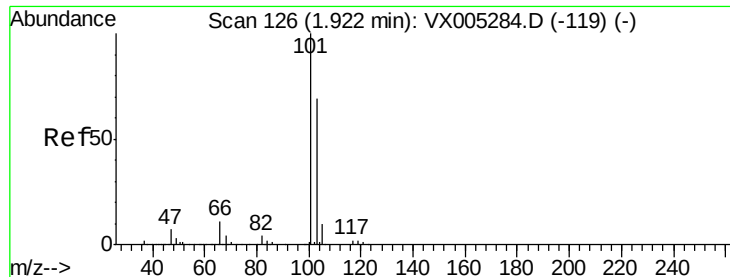
66 31.8 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

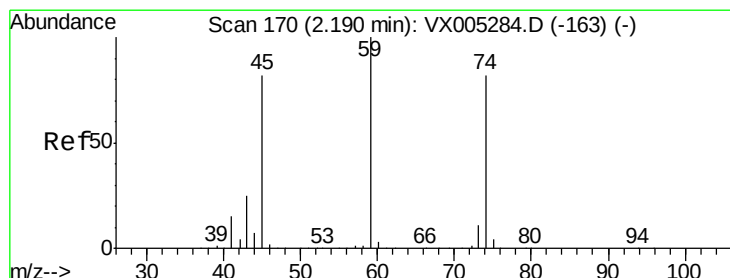
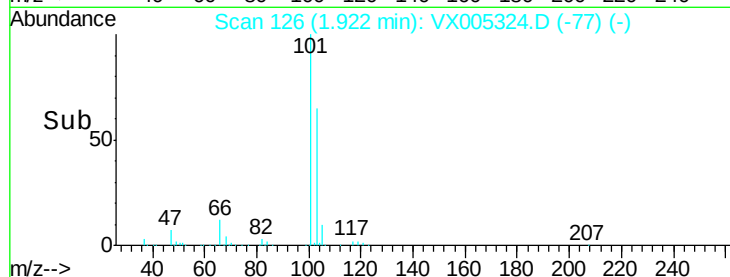
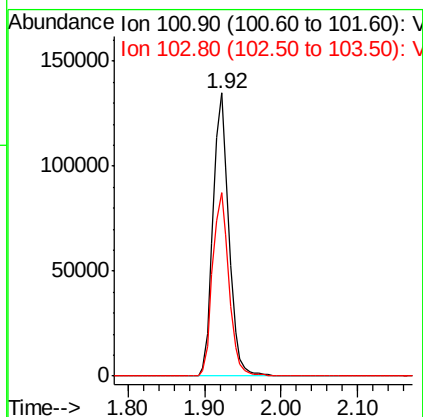
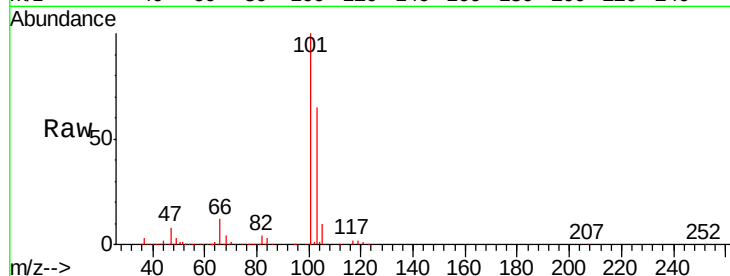
Trichlorofluoromethane
Concen: 54.65 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

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ClientSampleId :
FA18-MMW3414MSD

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.0	48.9	73.3

Manual Integrations
APPROVED

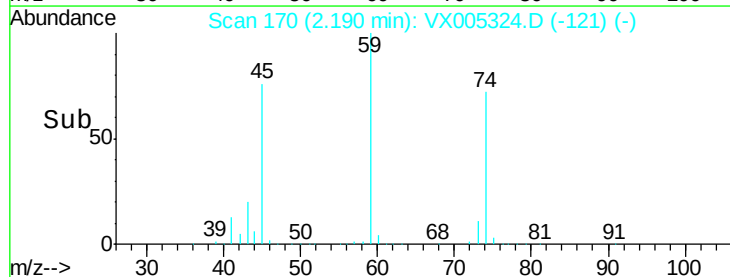
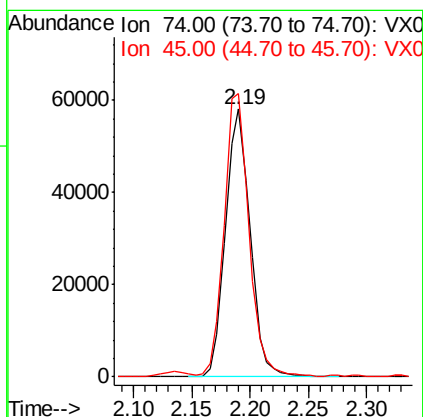
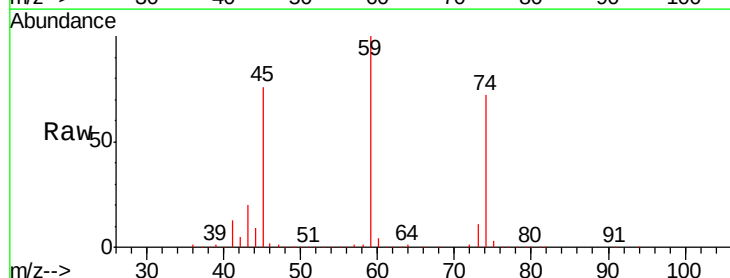
MMDadoda
10/17/2018 9:06:25 AM

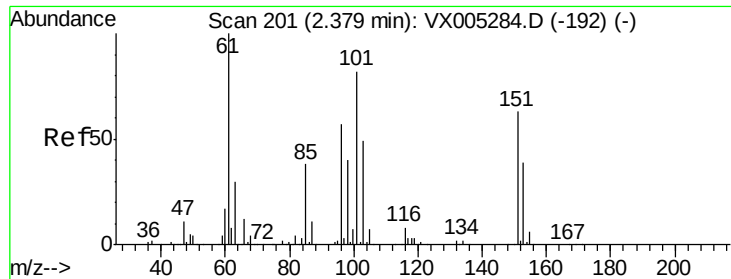


#8

Diethyl Ether
Concen: 56.42 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.2	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.35 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Instrument :

MSVOA_X

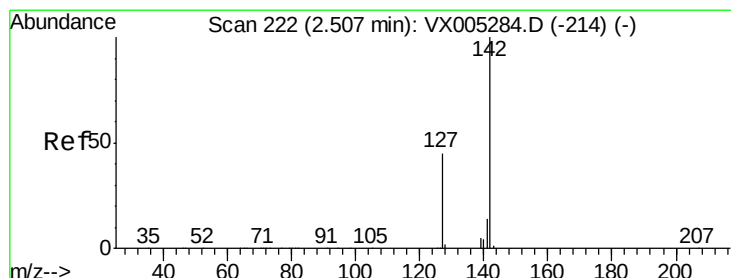
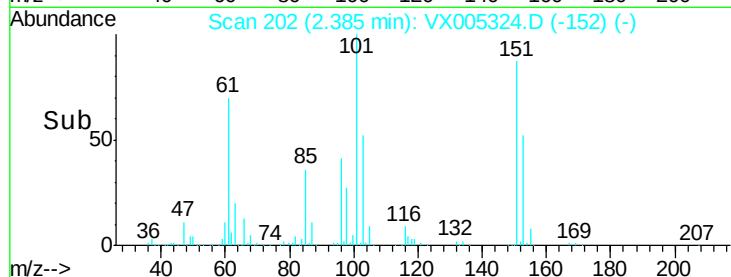
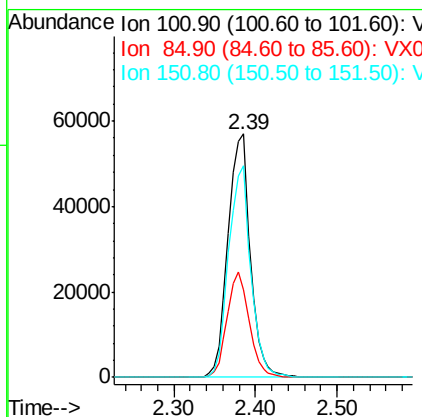
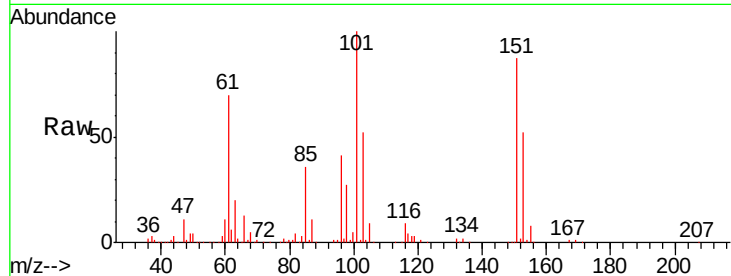
ClientSampleId :

FA18-MMW3414MSD

Tgt Ion:	101	Resp:	107466
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.2	51.4
151	86.1	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 62.68 ug/l

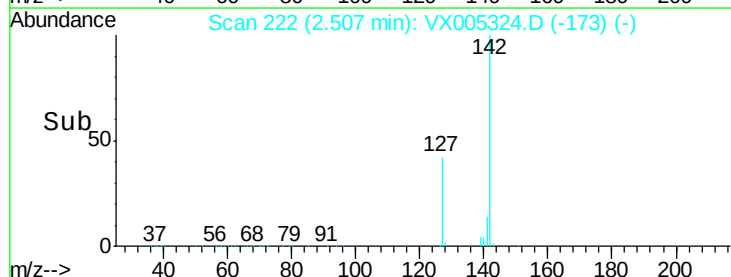
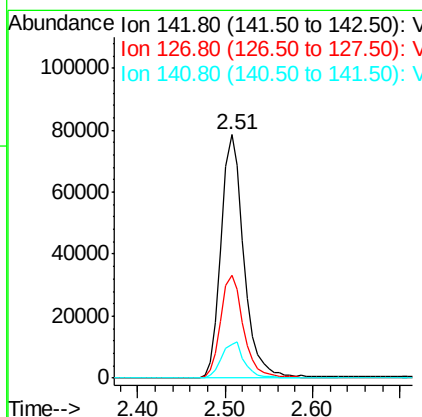
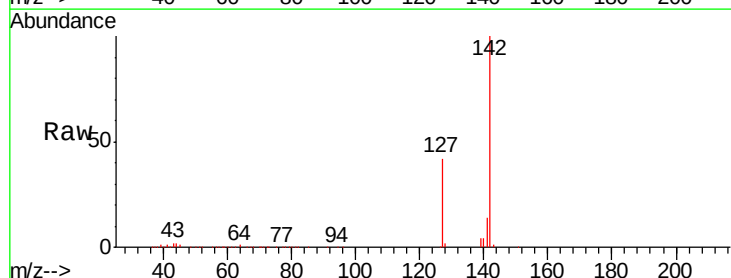
RT: 2.51 min Scan# 222

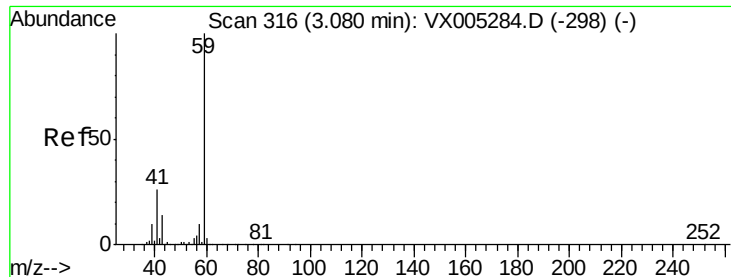
Delta R.T. 0.00 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Tgt Ion:	142	Resp:	142590
Ion Ratio	Lower	Upper	
142	100		
127	42.4	33.8	50.6
141	14.8	11.4	17.0





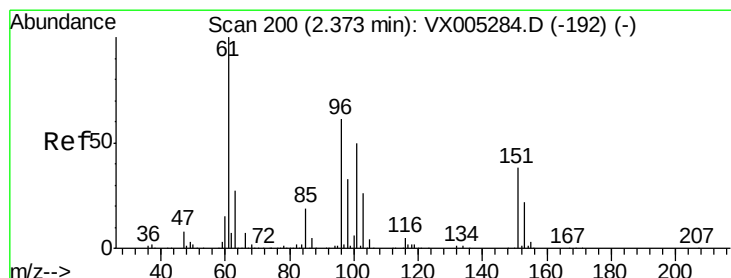
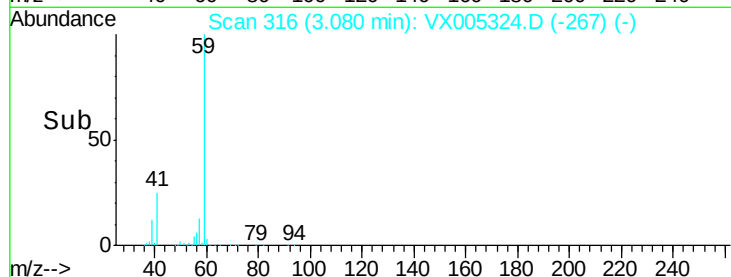
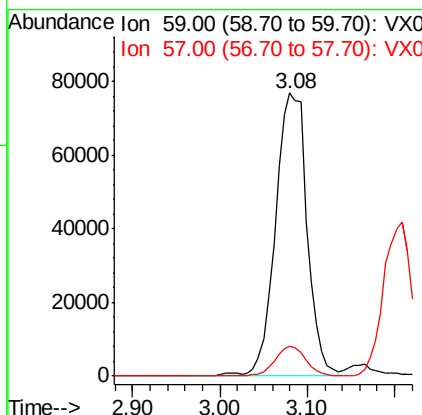
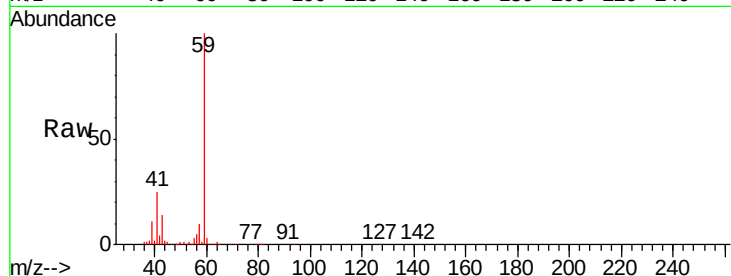
#11
Tert butyl alcohol
Concen: 265.38 ug/l
RT: 3.08 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Instrument :
MSVOA_X
ClientSampleId :
FA18-MMW3414MSD

Tgt Ion: 59 Resp: 192949
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.4

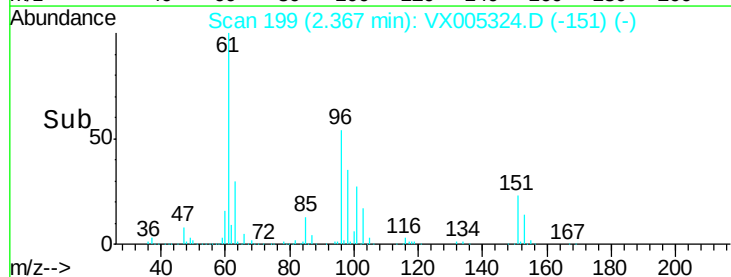
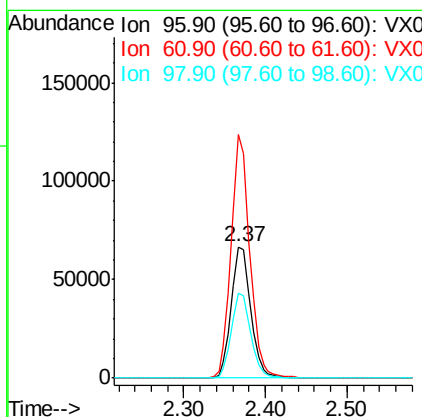
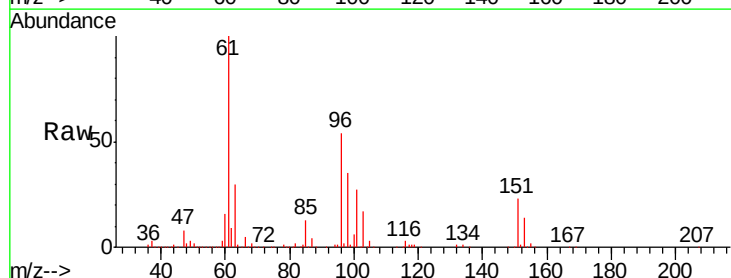
Manual Integrations
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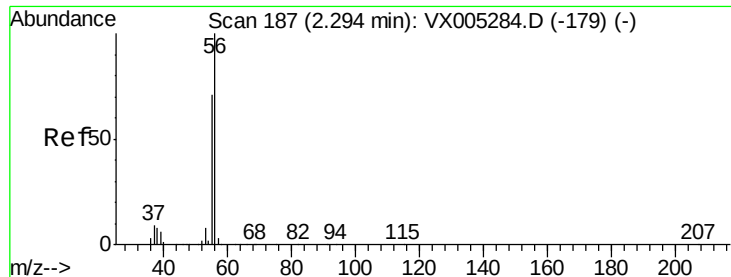
MMDadoda
10/17/2018 9:06:25 AM



#12
1,1-Dichloroethene
Concen: 53.98 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Tgt Ion: 96 Resp: 109802
Ion Ratio Lower Upper
96 100
61 185.7 128.8 193.2
98 64.8 52.2 78.2





#13

Acrolein

Concen: 240.34 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Instrument :

MSVOA_X

ClientSampleId :

FA18-MMW3414MSD

Tgt Ion: 56 Resp: 111545

Ion Ratio Lower Upper

56 100

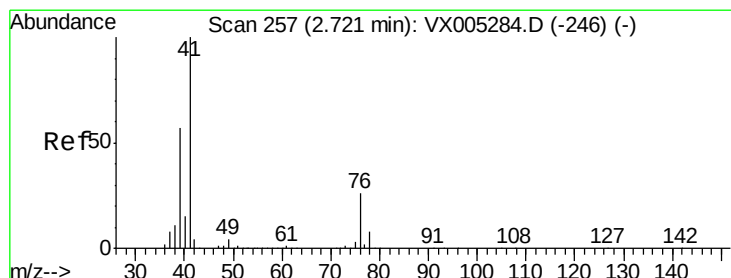
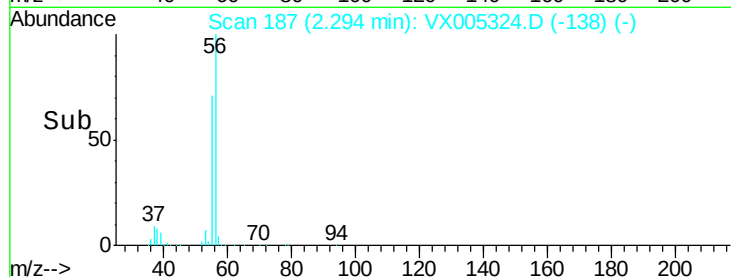
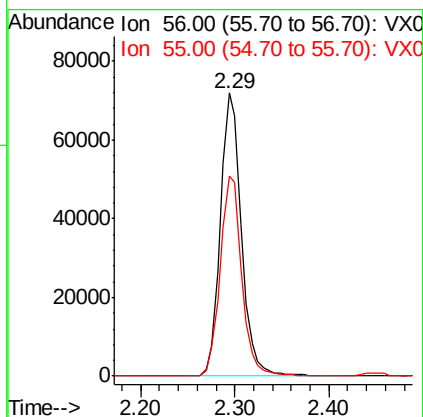
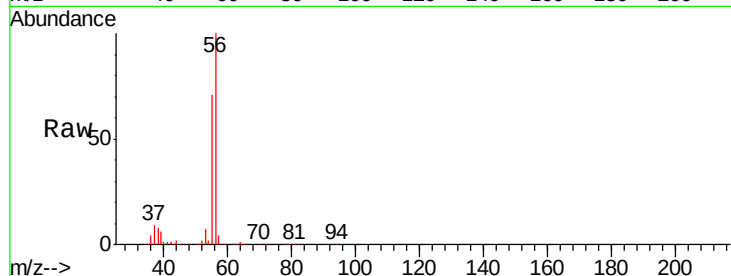
55 72.8 54.7 82.1

Manual Integrations

APPROVED

MMDadoda

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#14

Allyl chloride

Concen: 52.90 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

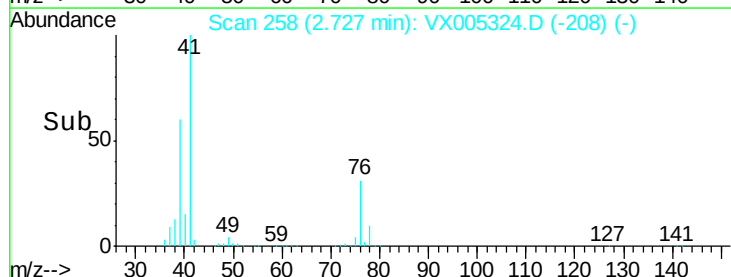
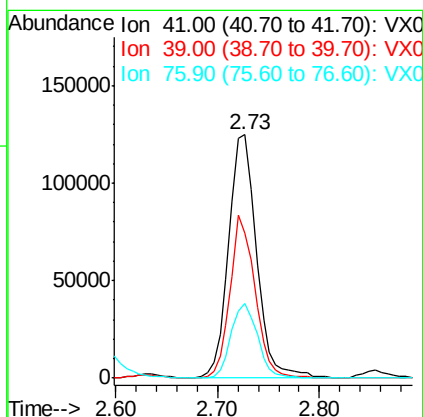
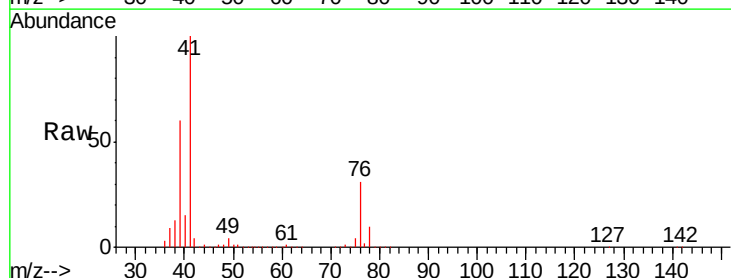
Tgt Ion: 41 Resp: 236240

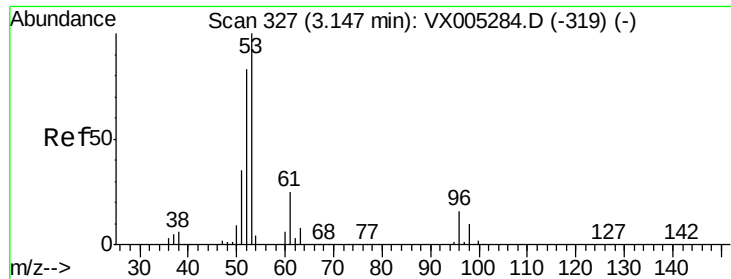
Ion Ratio Lower Upper

41 100

39 59.8 48.9 73.3

76 29.1 26.7 40.1





#15

Acrylonitrile

Concen: 269.56 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Instrument :

MSVOA_X

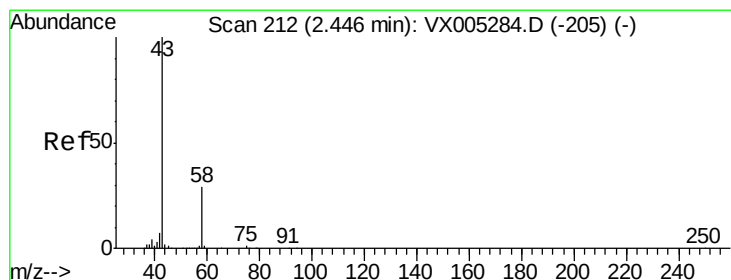
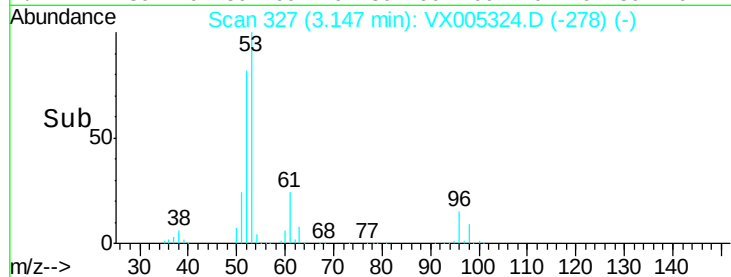
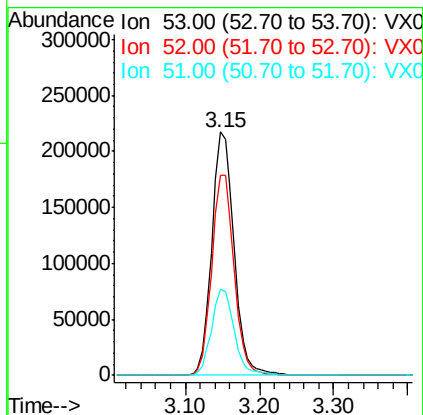
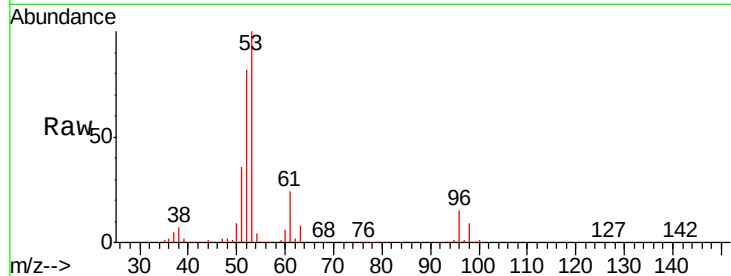
ClientSampleId :

FA18-MMW3414MSD

Tgt Ion:	53	Resp:	444125
Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.2	97.8
51	36.4	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 270.83 ug/l

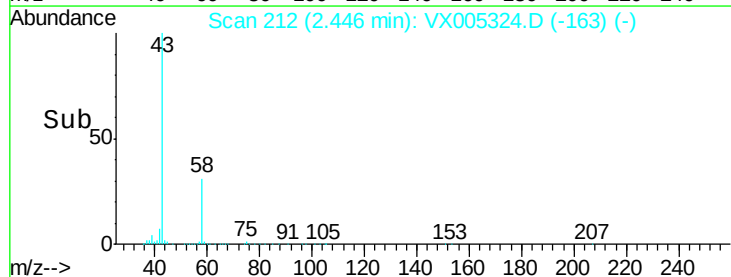
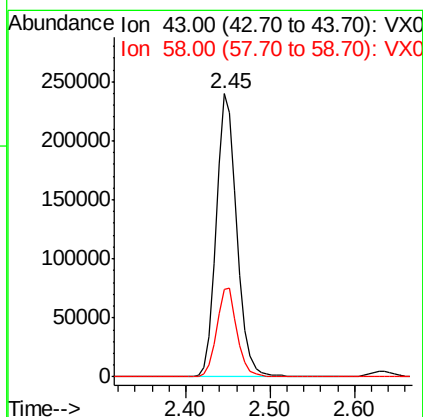
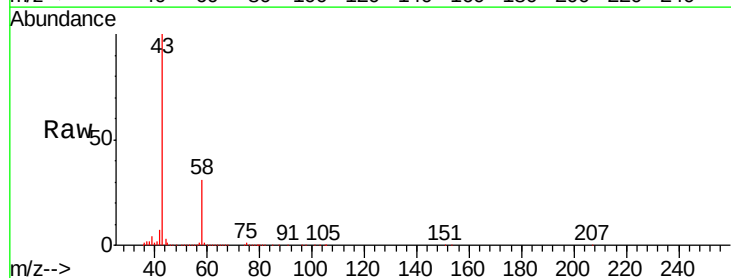
RT: 2.45 min Scan# 212

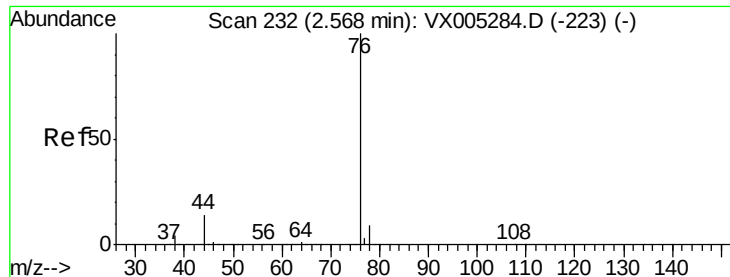
Delta R.T. -0.00 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Tgt Ion:	43	Resp:	403601
Ion	Ratio	Lower	Upper
43	100		
58	30.9	26.2	39.4





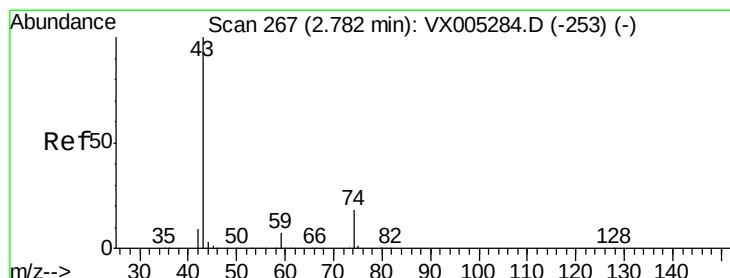
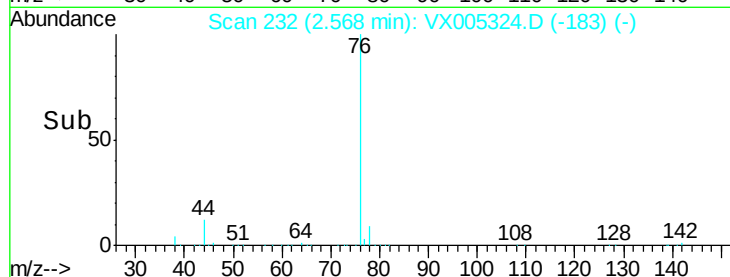
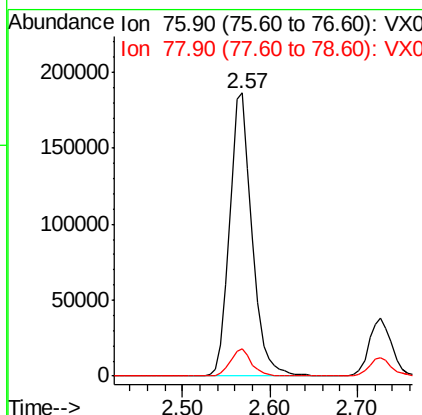
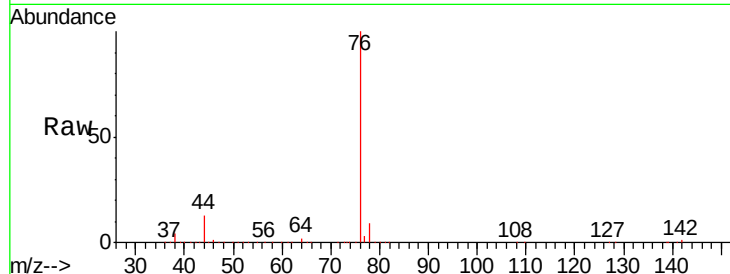
#17
Carbon Disulfide
Concen: 54.00 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Instrument :
MSVOA_X
ClientSampleId :
FA18-MMW3414MSD

Tgt Ion: 76 Resp: 332740
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6

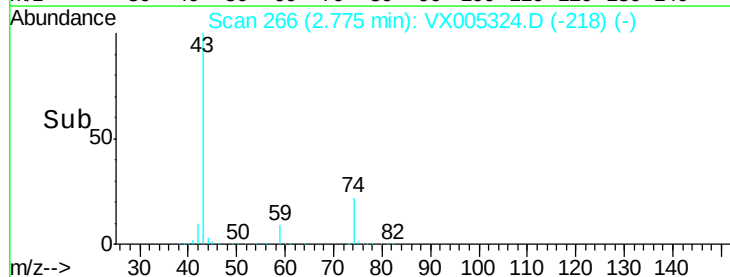
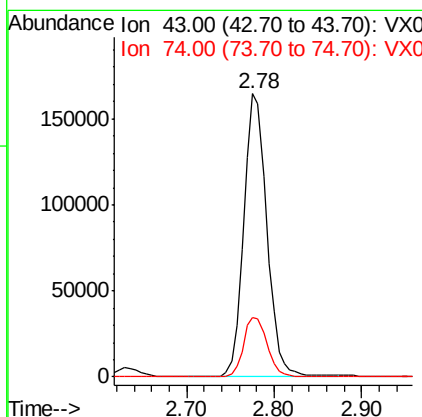
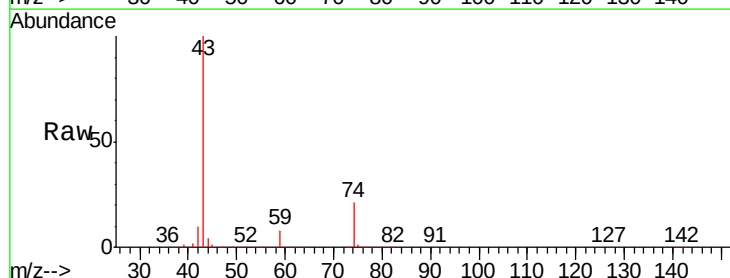
Manual Integrations
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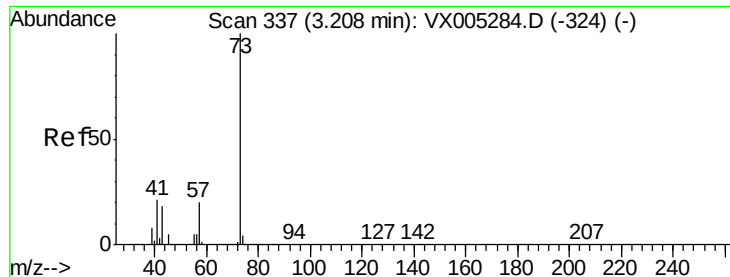
MMDadoda
10/17/2018 9:06:25 AM



#18
Methyl Acetate
Concen: 70.71 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Tgt Ion: 43 Resp: 299798
Ion Ratio Lower Upper
43 100
74 21.7 19.4 29.2





#19

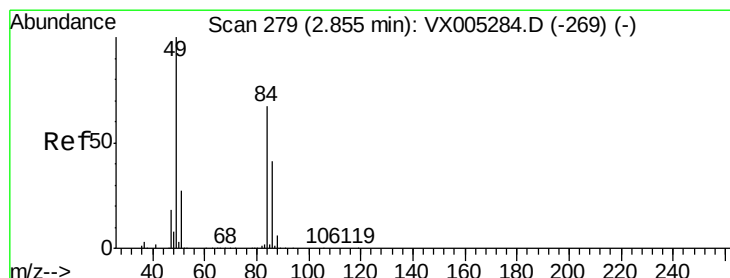
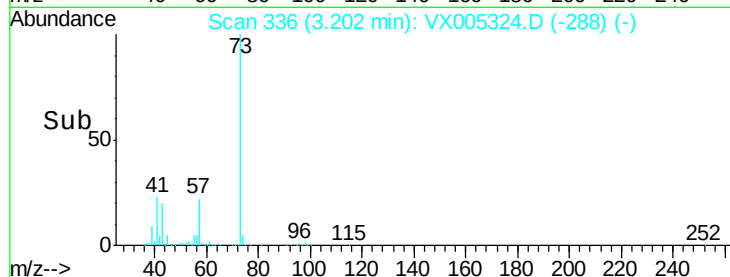
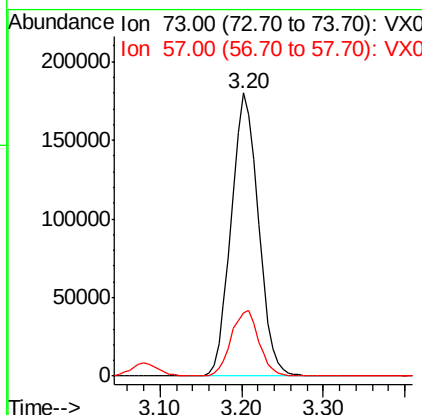
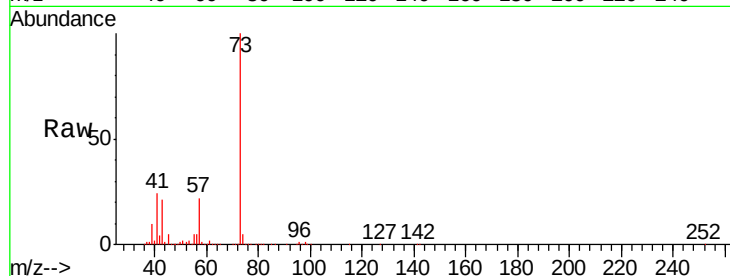
Methyl tert-butyl Ether
 Concen: 57.78 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.01 min
 Lab File: VX005324.D
 Acq: 13 Oct 2018 05:50

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-MMW3414MSD

Tgt Ion: 73 Resp: 413915
 Ion Ratio Lower Upper
 73 100
 57 22.3 17.1 25.7

Manual Integrations
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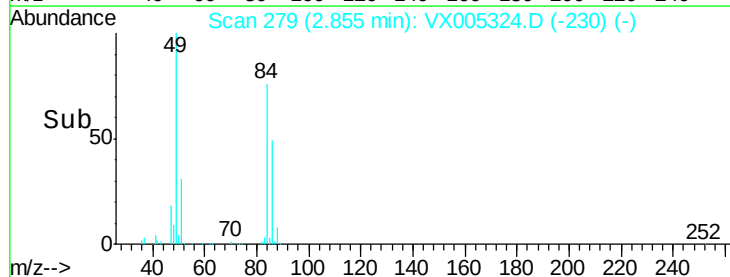
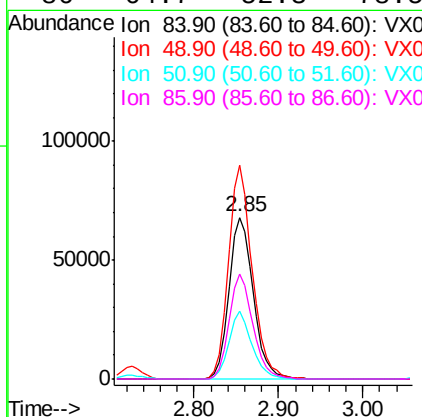
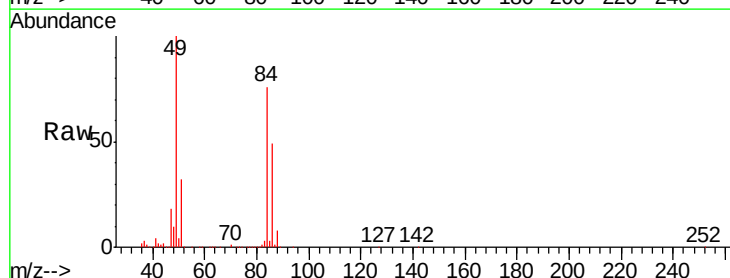
MMDadoda
 10/17/2018 9:06:25 AM

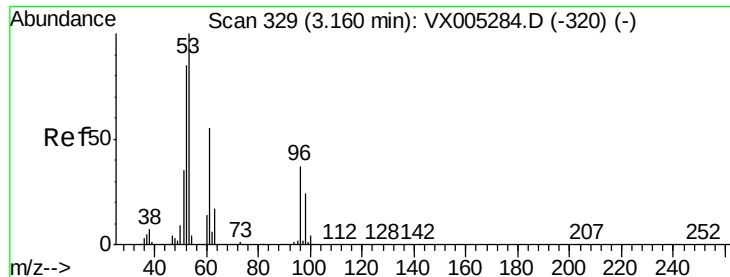


#20

Methylene Chloride
 Concen: 61.38 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX005324.D
 Acq: 13 Oct 2018 05:50

Tgt Ion: 84 Resp: 132627
 Ion Ratio Lower Upper
 84 100
 49 132.2 101.2 151.8
 51 41.7 29.5 44.3
 86 64.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 53.24 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Instrument :

MSVOA_X

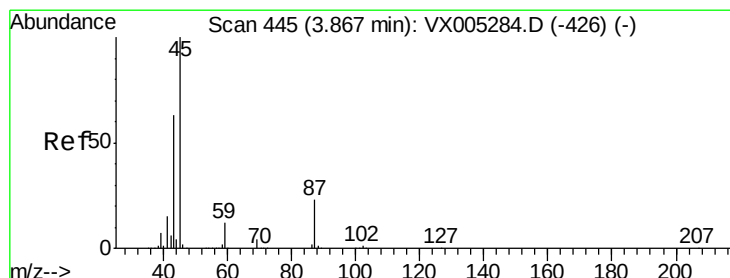
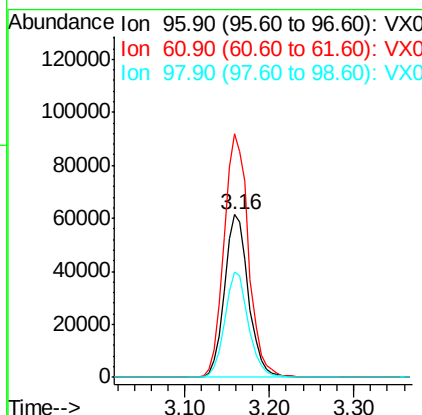
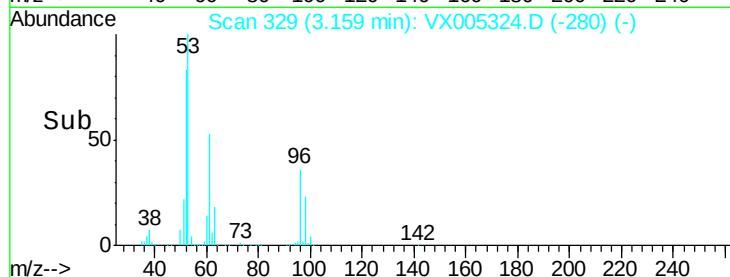
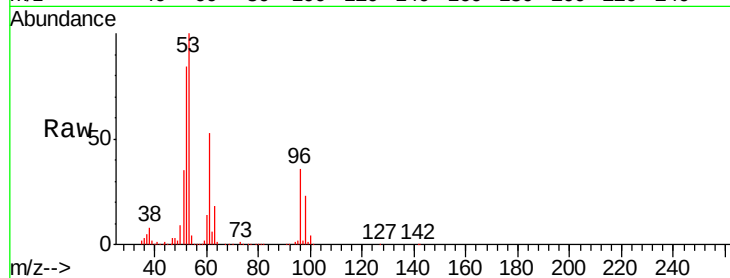
ClientSampleId :

FA18-MMW3414MSD

Tgt Ion:	96	Resp:	119997
Ion	Ratio	Lower	Upper
96	100		
61	149.7	113.8	170.6
98	64.7	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.04 ug/l

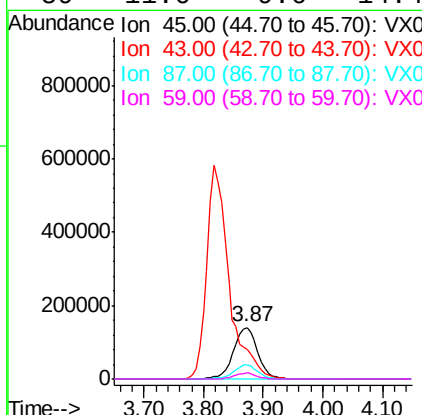
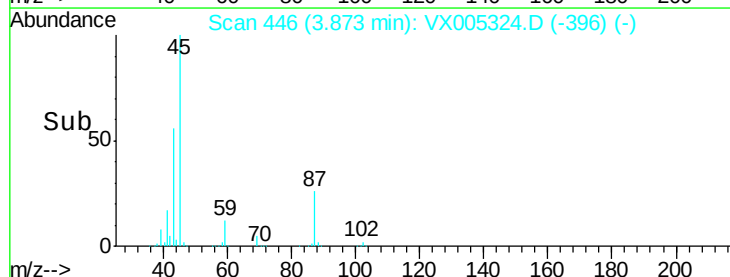
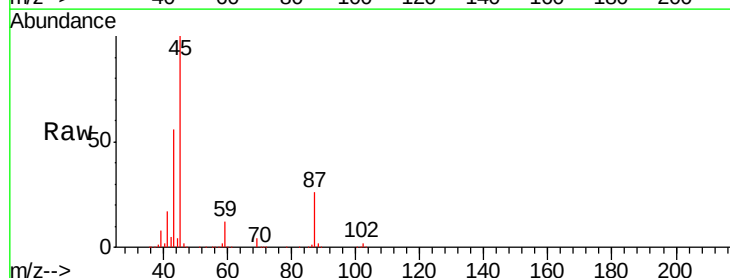
RT: 3.87 min Scan# 446

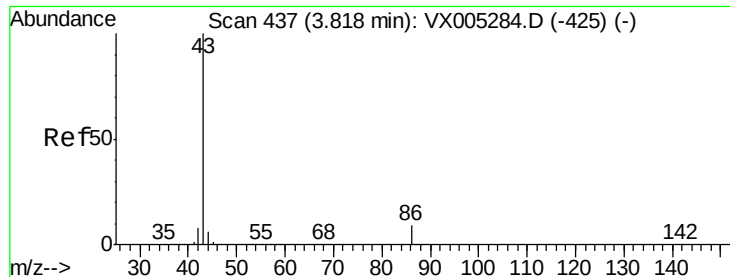
Delta R.T. 0.01 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Tgt Ion:	45	Resp:	397845
Ion	Ratio	Lower	Upper
45	100		
43	56.1	42.8	64.2
87	26.3	22.6	34.0
59	11.6	9.6	14.4





#23

Vinyl Acetate

Concen: 229.20 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Instrument :

MSVOA_X

ClientSampleId :

FA18-MMW3414MSD

Tgt Ion: 43 Resp: 1502586

Ion Ratio Lower Upper

43 100

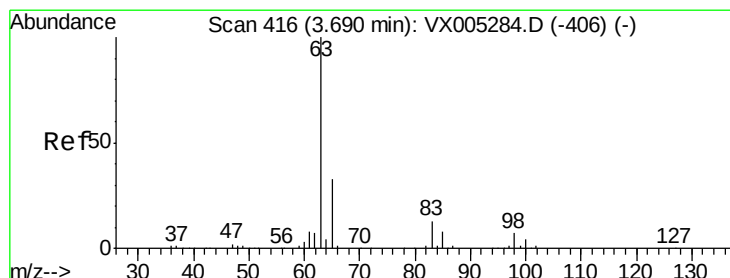
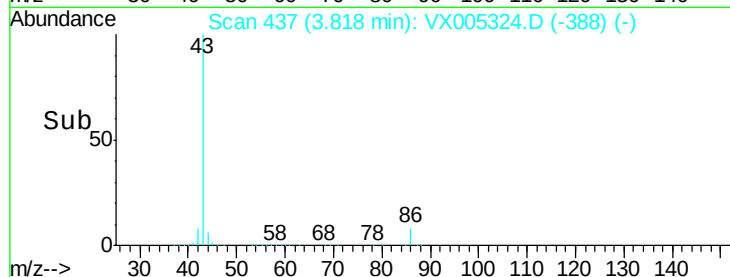
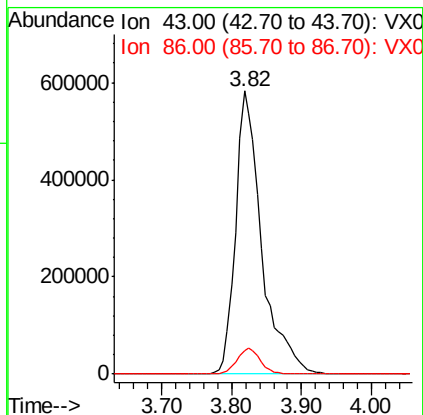
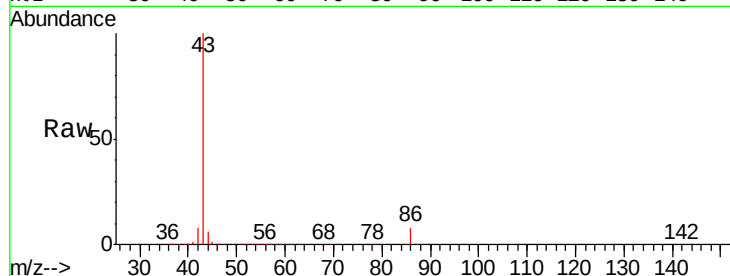
86 8.2 8.9 13.3#

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 55.23 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

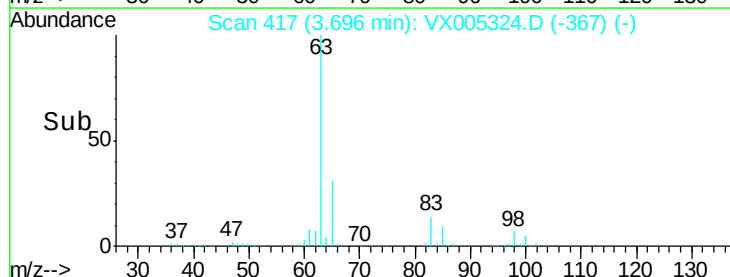
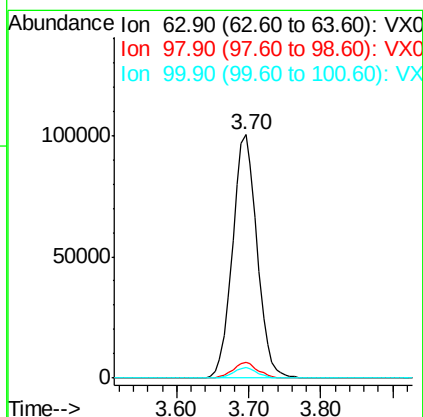
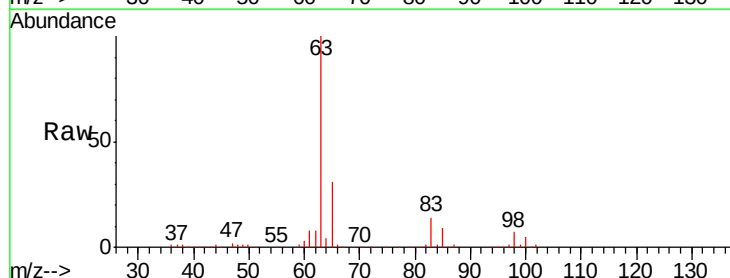
Tgt Ion: 63 Resp: 237398

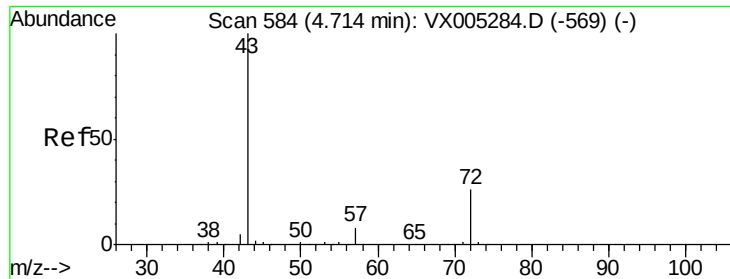
Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

100 4.5 2.4 7.1





#25

2-Butanone

Concen: 270.77 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Instrument :

MSVOA_X

ClientSampleId :

FA18-MMW3414MSD

Tgt Ion: 43 Resp: 590381

Ion Ratio Lower Upper

43 100

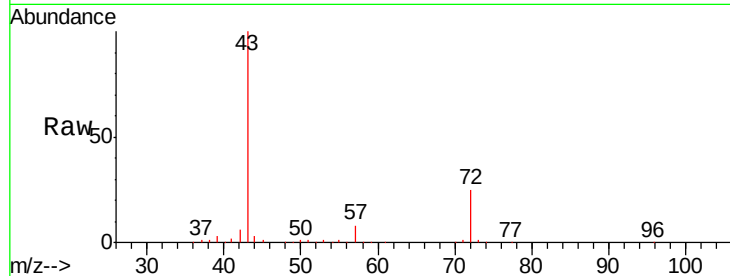
72 25.4 22.0 33.0

Manual Integrations

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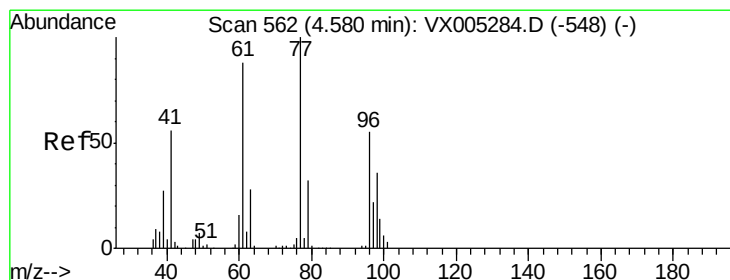
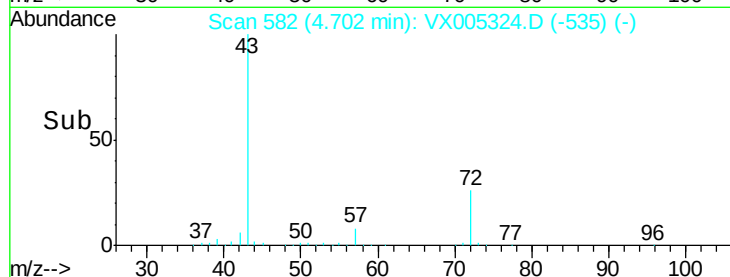
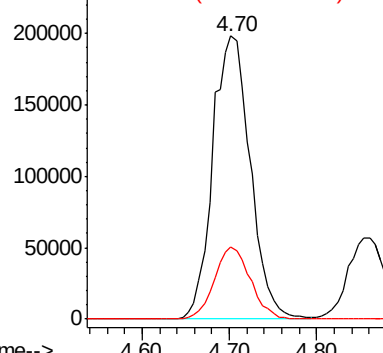
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 34.70 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX005324.D

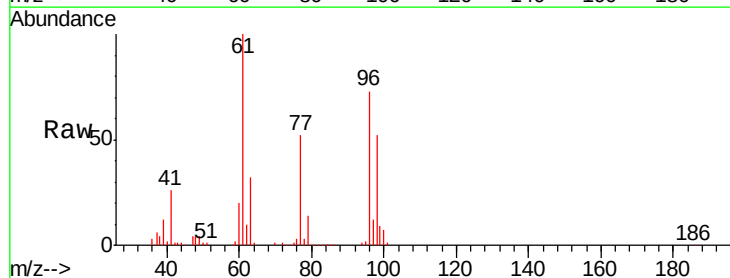
Acq: 13 Oct 2018 05:50

Tgt Ion: 77 Resp: 111565

Ion Ratio Lower Upper

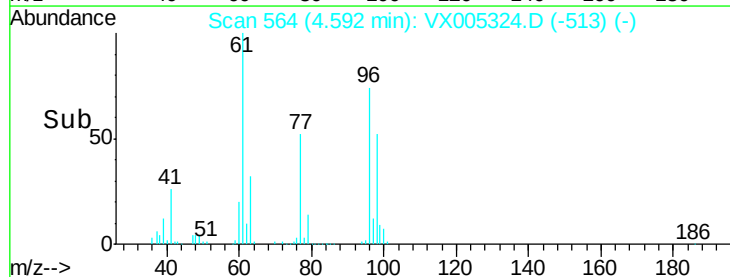
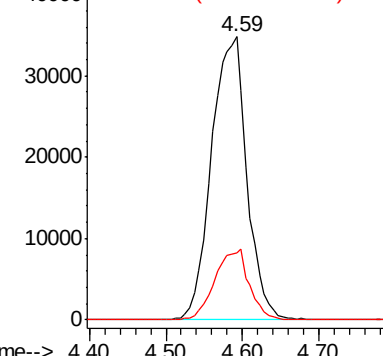
77 100

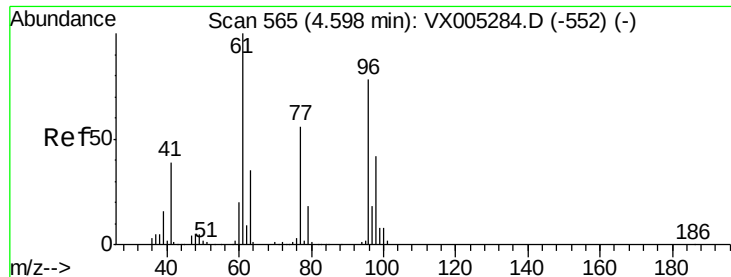
97 24.2 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

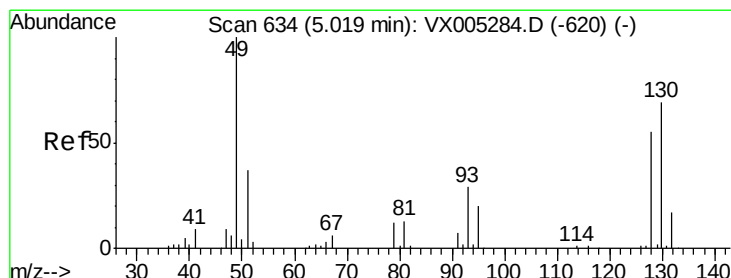
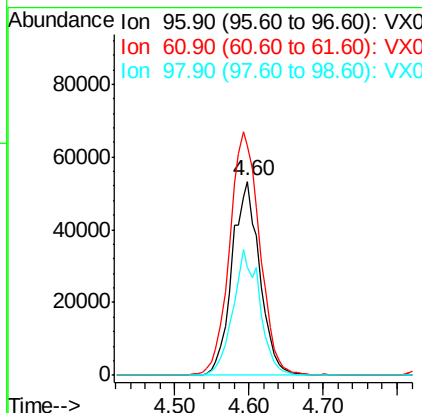
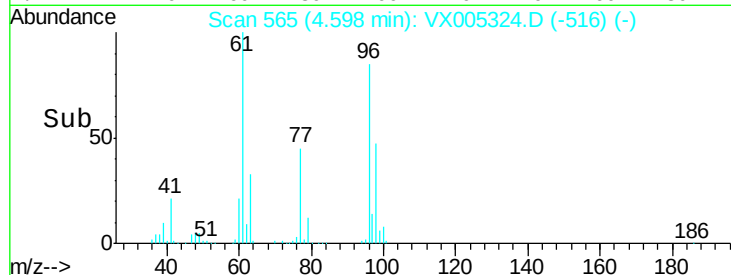
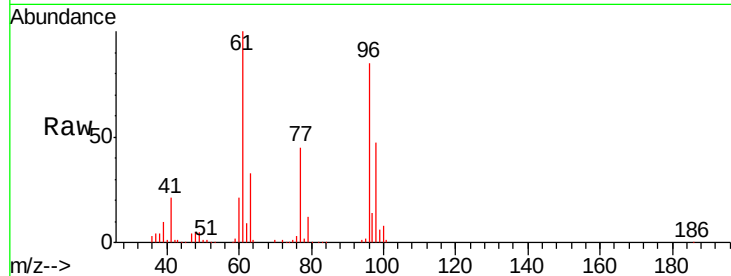
cis-1,2-Dichloroethene
Concen: 56.80 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Instrument :
MSVOA_X
ClientSampleId :
FA18-MMW3414MSD

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	139142		
61	136.5	0.0	282.6	
98	63.3	0.0	130.2	

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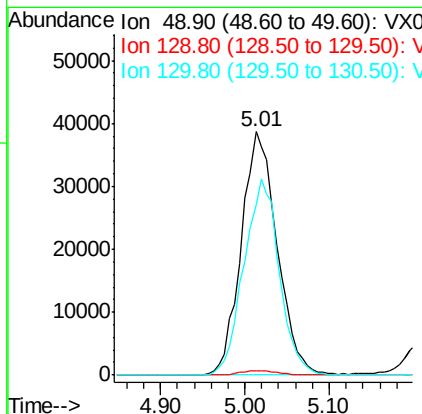
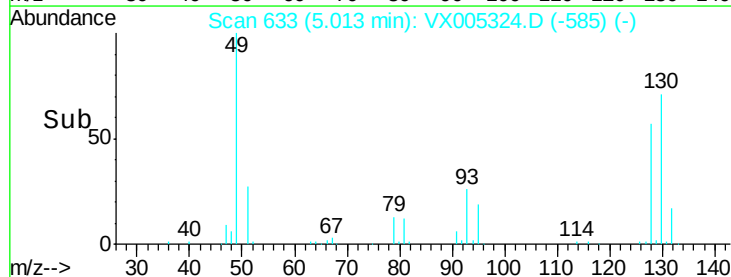
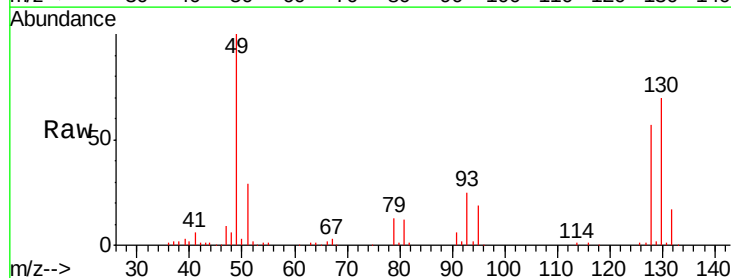
MMDadoda
10/17/2018 9:06:25 AM

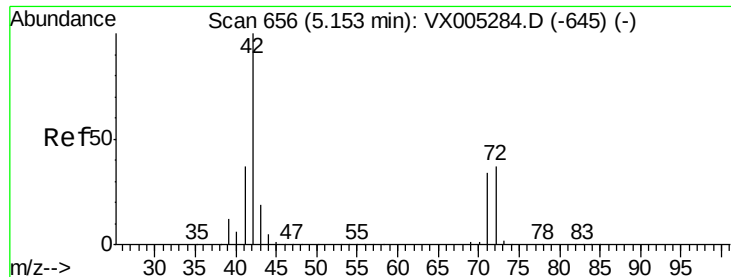


#28

Bromochloromethane
Concen: 56.88 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	111464		
129	2.0	0.0	4.2	
130	79.6	67.5	101.3	





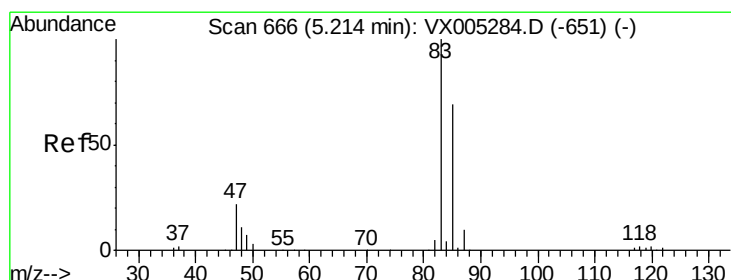
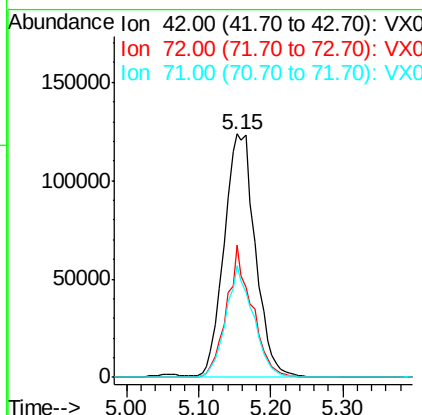
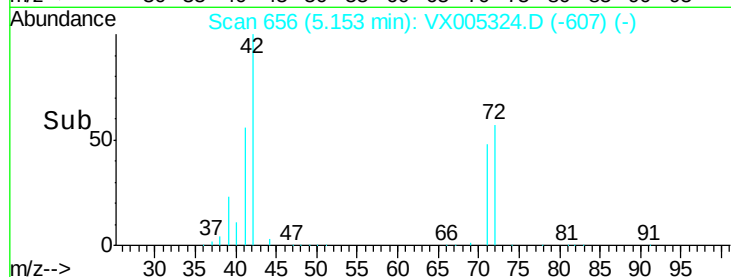
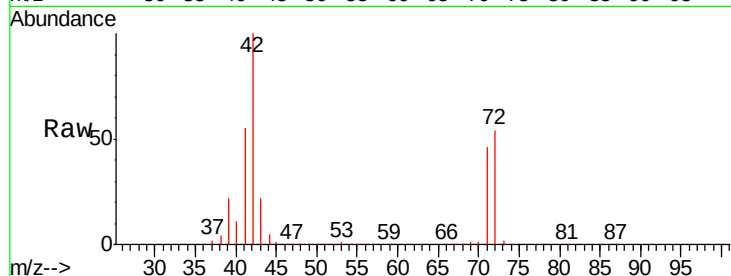
#29
Tetrahydrofuran
Concen: 267.82 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Instrument :
MSVOA_X
ClientSampleId :
FA18-MMW3414MSD

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.4	37.4	56.0
71	40.4	34.5	51.7

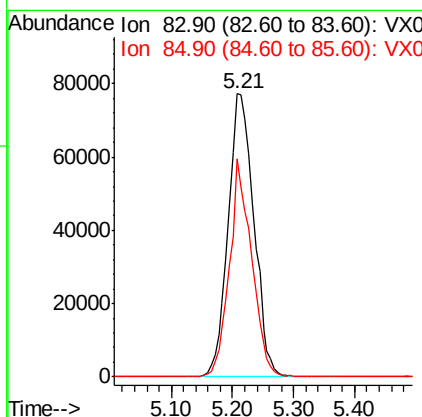
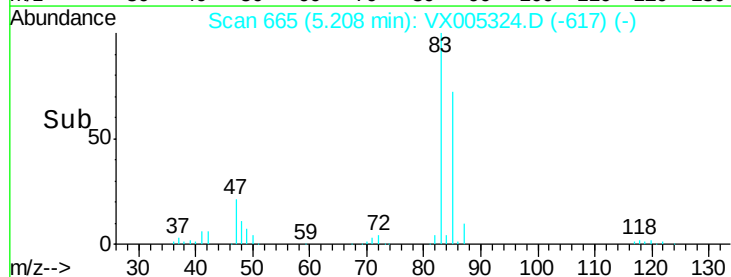
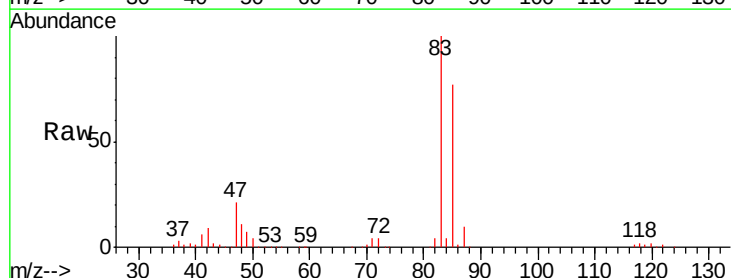
Manual Integrations
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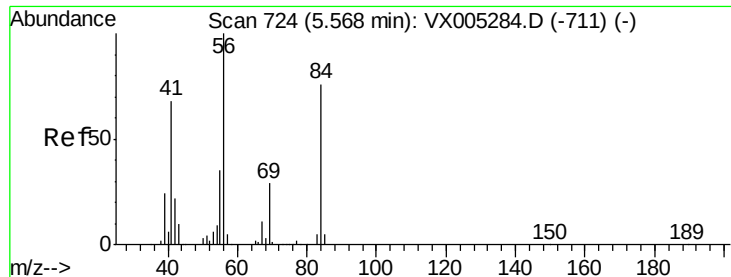
MMDadoda
10/17/2018 9:06:25 AM



#30
Chloroform
Concen: 55.93 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	77.1	52.6	79.0





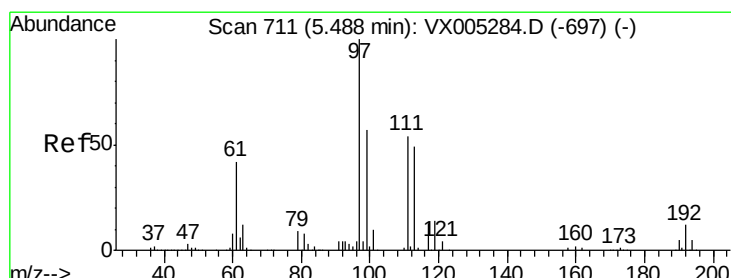
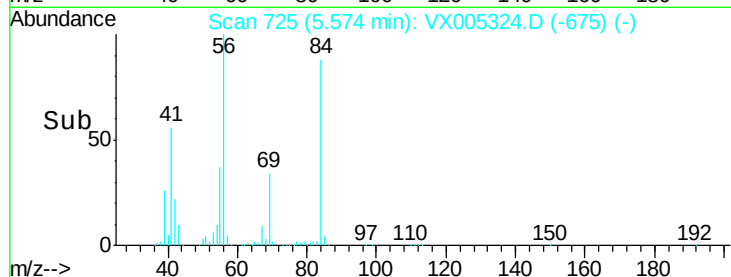
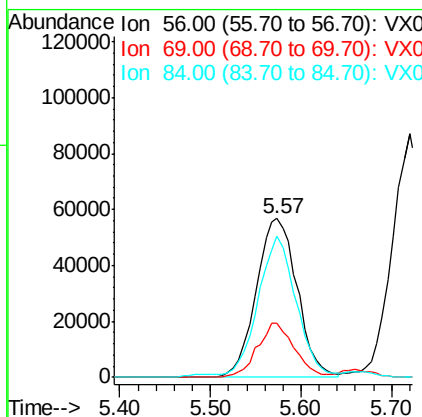
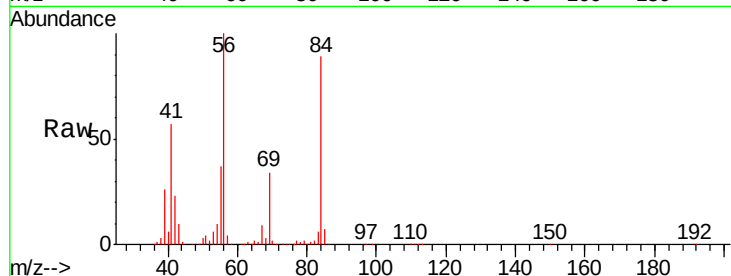
#31
Cyclohexane
Concen: 49.89 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.01 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Instrument :
MSVOA_X
ClientSampleId :
FA18-MMW3414MSD

Tgt Ion	Ratio	Lower	Upper
56	100		
69	34.2	25.4	38.2
84	87.1	71.4	107.2

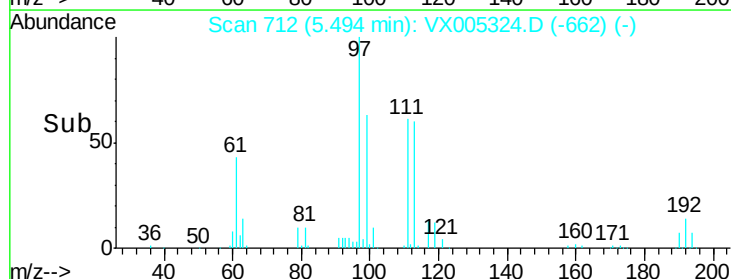
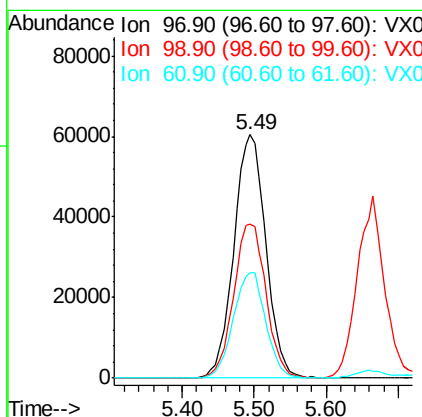
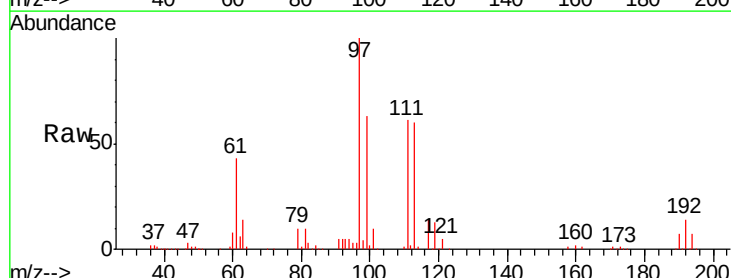
Manual Integrations
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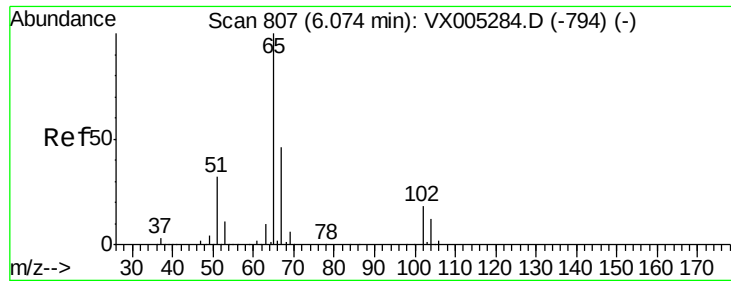
MMDadoda
10/17/2018 9:06:25 AM



#32
1,1,1-Trichloroethane
Concen: 53.63 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.0	78.0
61	44.0	34.9	52.3





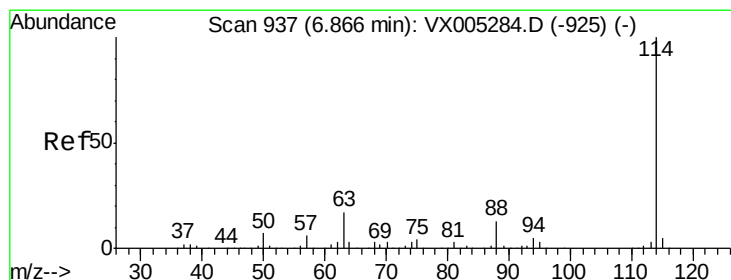
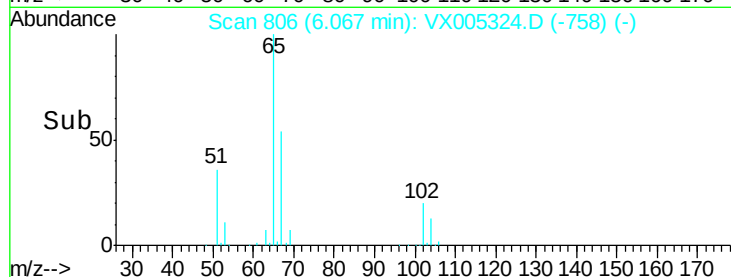
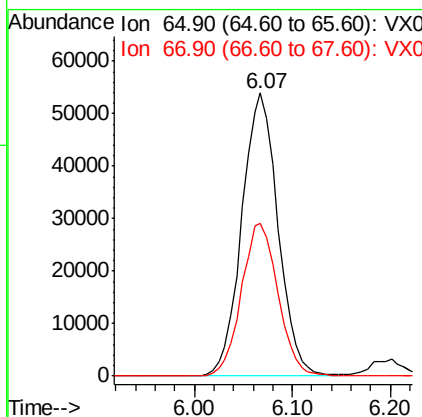
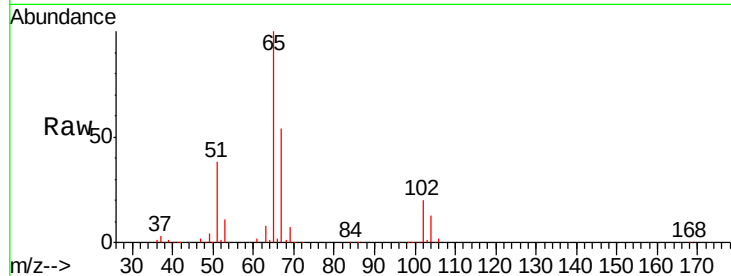
#33
 1,2-Dichloroethane-d4
 Concen: 53.67 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005324.D
 Acq: 13 Oct 2018 05:50

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-MMW3414MSD

Tgt Ion: 65 Resp: 138327
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 106.8

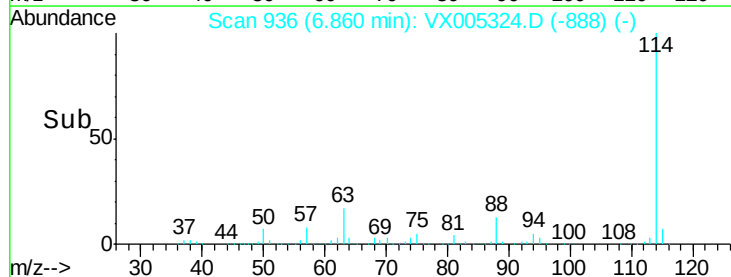
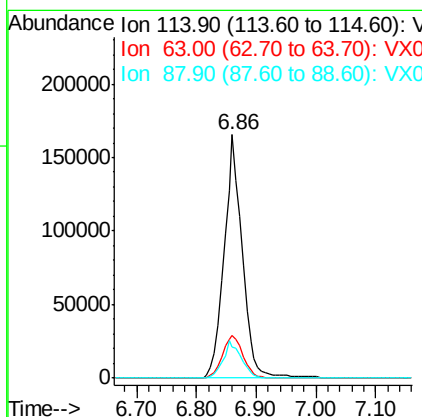
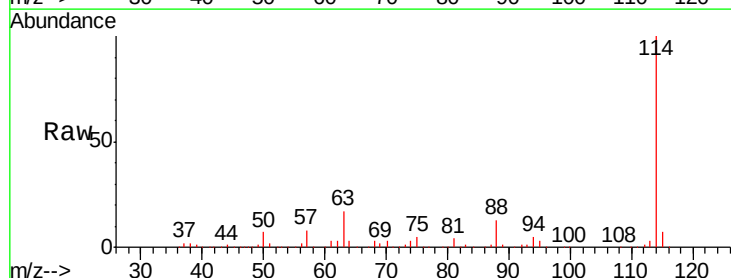
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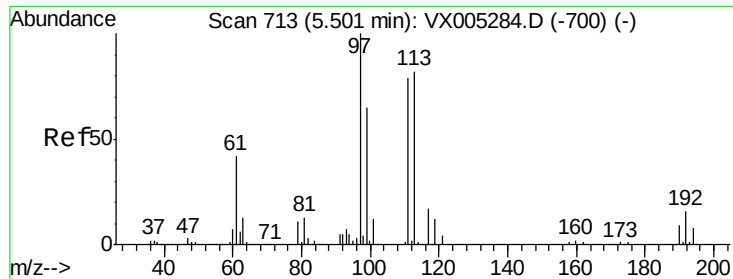
MMDadoda
 10/17/2018 9:06:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005324.D
 Acq: 13 Oct 2018 05:50

Tgt Ion: 114 Resp: 354056
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 39.0
 88 12.7 0.0 30.4





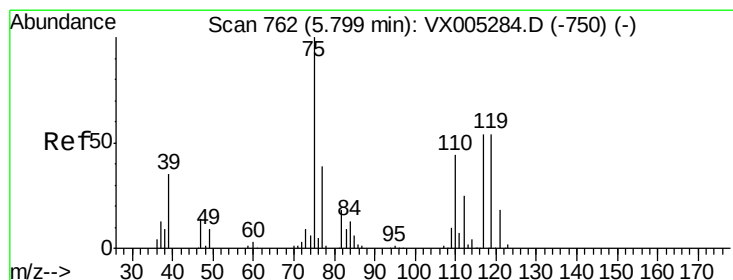
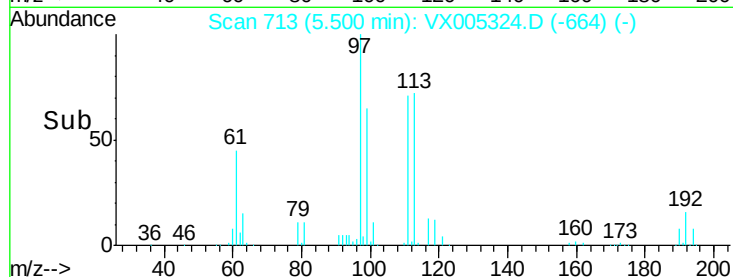
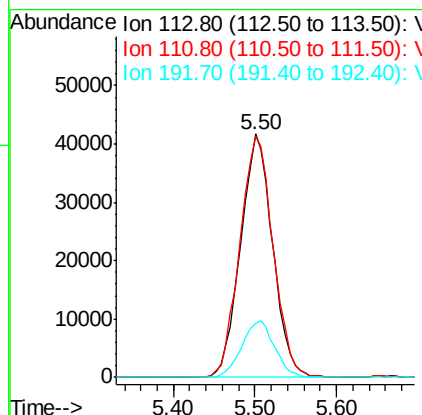
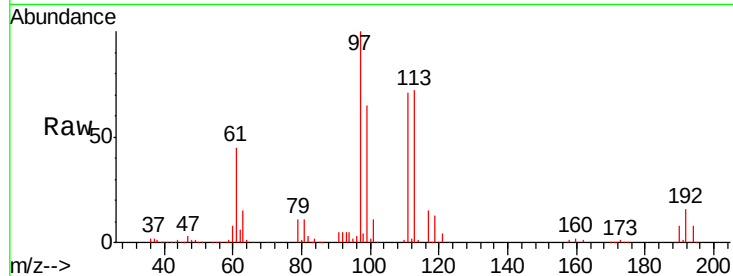
#35
 Dibromofluoromethane
 Concen: 48.52 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005324.D
 Acq: 13 Oct 2018 05:50

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-MMW3414MSD

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	113775		
111	102.8	82.4	123.6	
192	23.6	19.4	29.2	

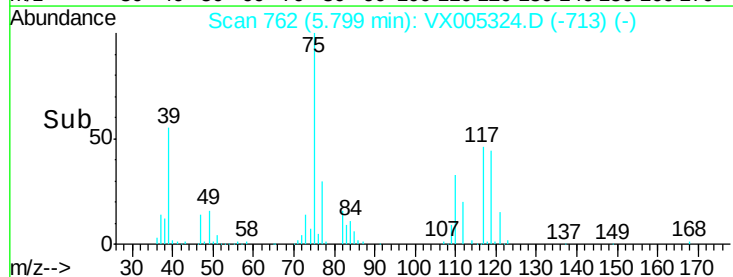
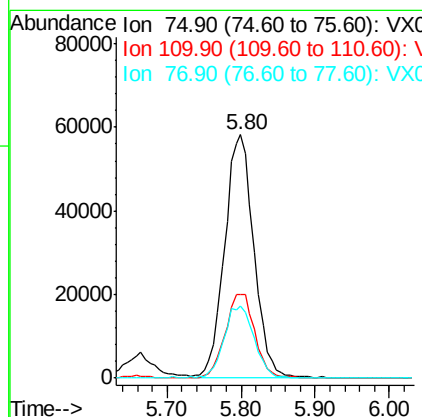
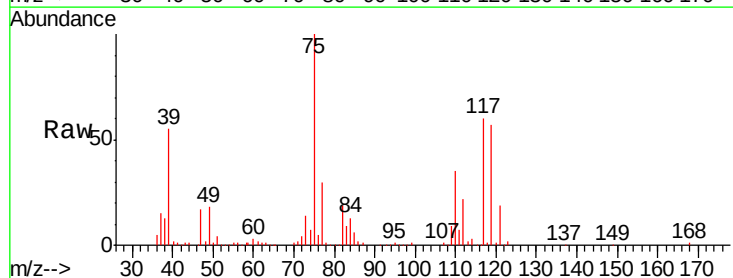
Manual Integrations
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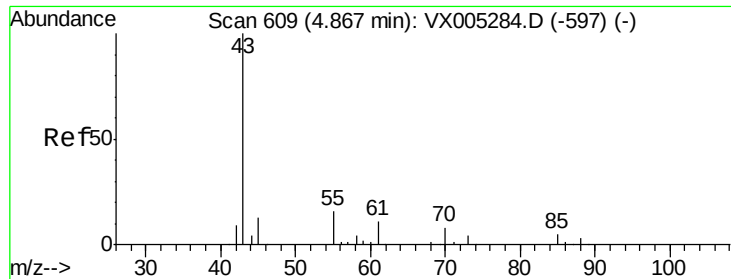
MMDadoda
 10/17/2018 9:06:25 AM



#36
 1,1-Dichloropropene
 Concen: 46.13 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX005324.D
 Acq: 13 Oct 2018 05:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	158181		
110	35.4	18.0	54.0	
77	30.4	24.6	36.8	





#37

Ethyl Acetate

Concen: 39.45 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.01 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Instrument :

MSVOA_X

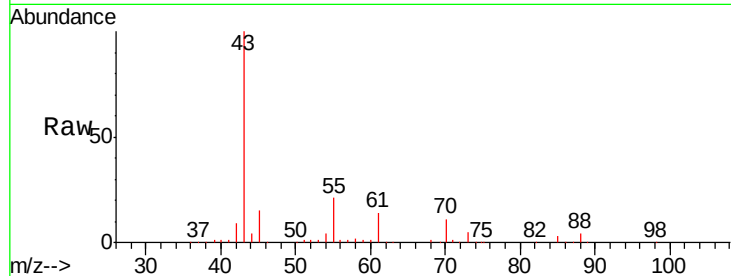
ClientSampleId :

FA18-MMW3414MSD

Tgt Ion:	43	Resp:	173976
Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.5	17.3
70	9.9	9.0	13.6

Manual Integrations
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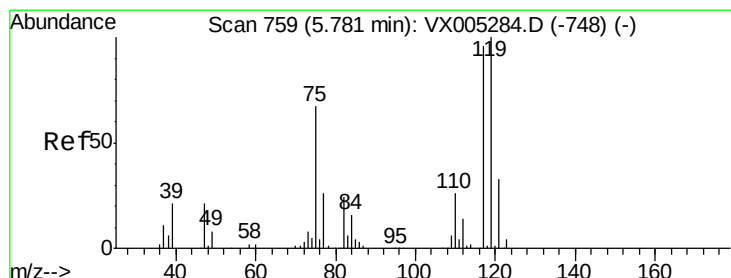
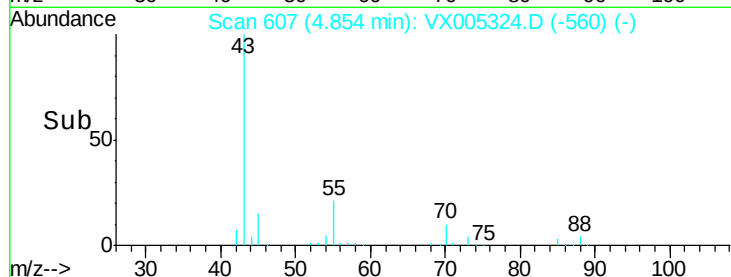
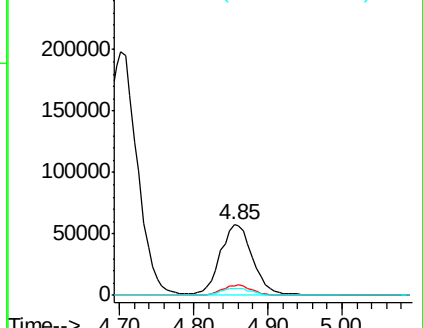
MMDadoda
10/17/2018 9:06:25 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 47.15 ug/l

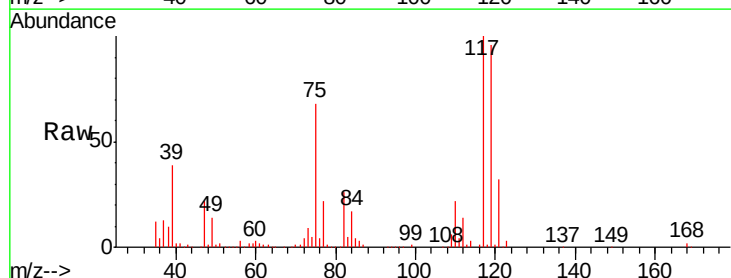
RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

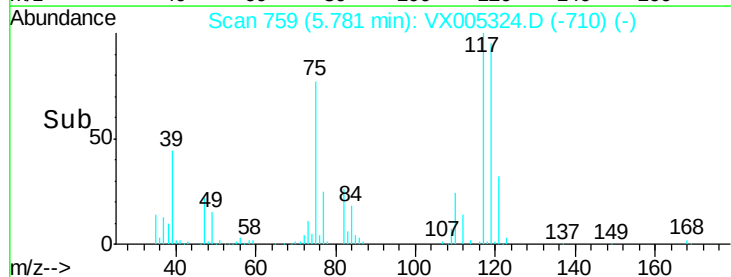
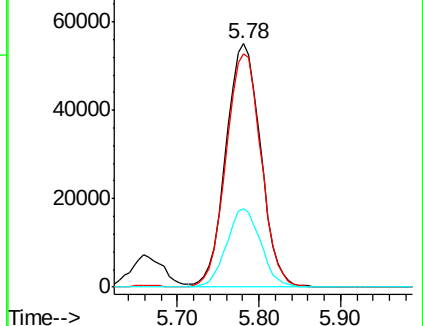
Tgt Ion:	117	Resp:	162462
Ion	Ratio	Lower	Upper
117	100		
119	95.6	78.8	118.2
121	32.1	24.9	37.3

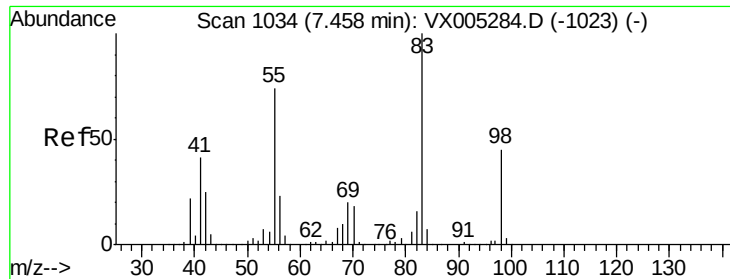


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





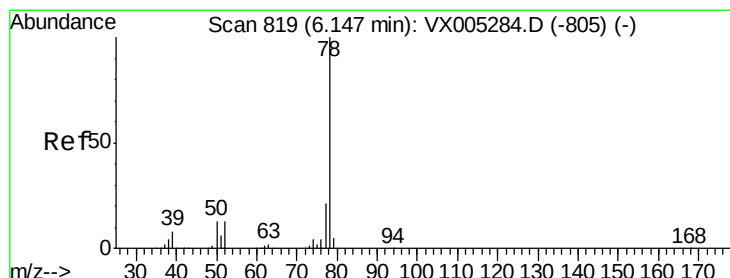
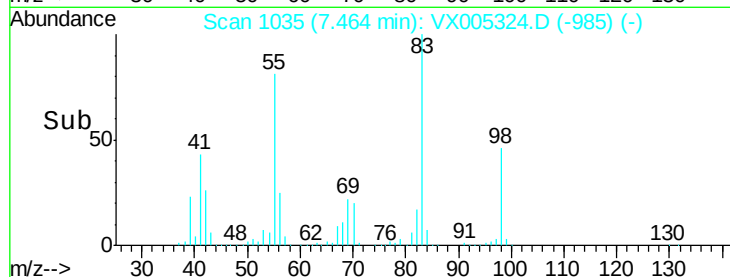
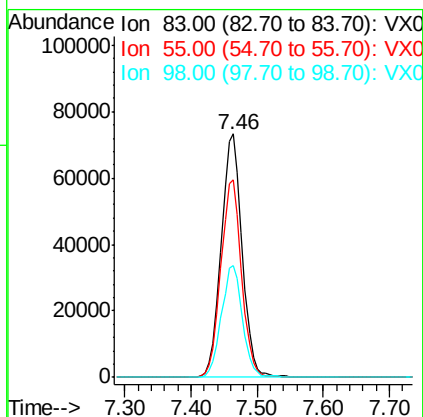
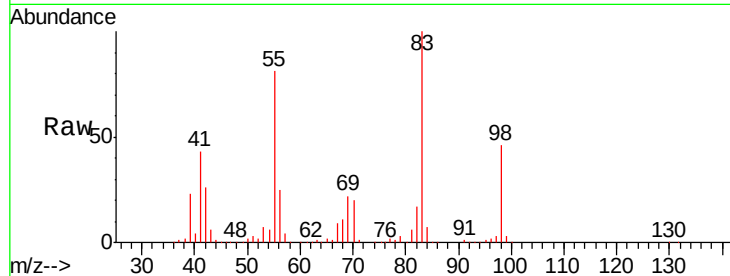
#39
Methylcyclohexane
Concen: 43.34 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Instrument :
MSVOA_X
ClientSampleId :
FA18-MMW3414MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
55	81.0	61.0	91.4
98	46.0	39.6	59.4

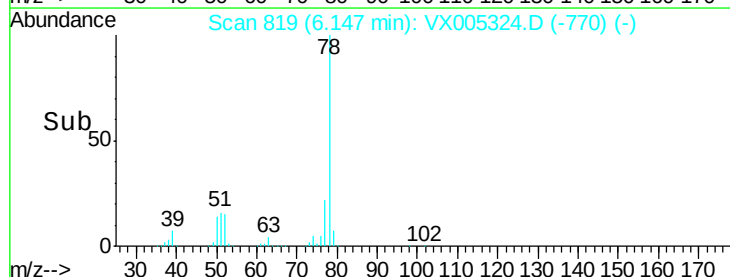
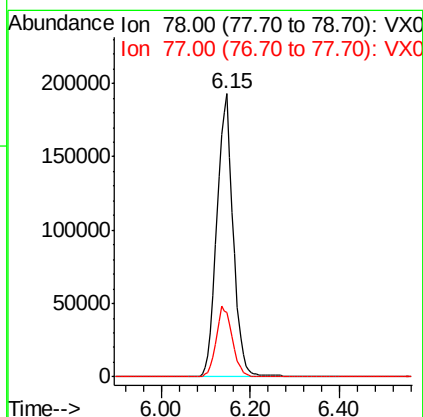
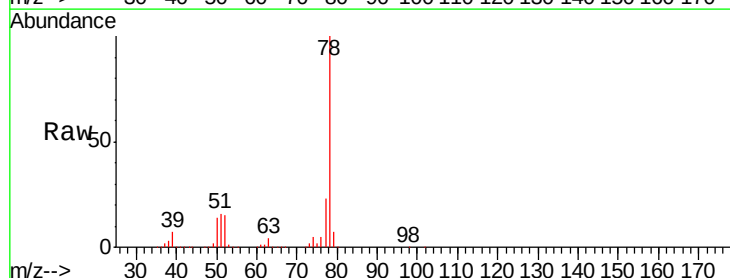
Manual Integrations
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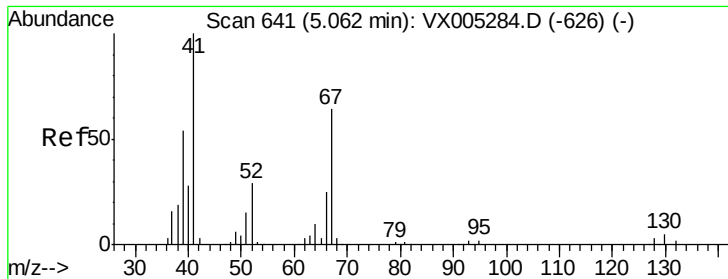
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#40
Benzene
Concen: 47.90 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
78	100		
77	22.6	19.0	28.4





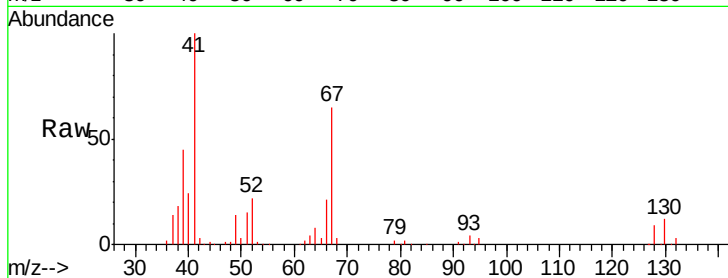
#41
Methacrylonitrile
Concen: 51.71 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Instrument :
MSVOA_X
ClientSampleId :
FA18-MMW3414MSD

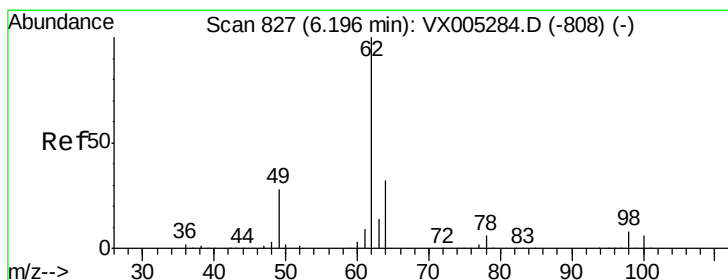
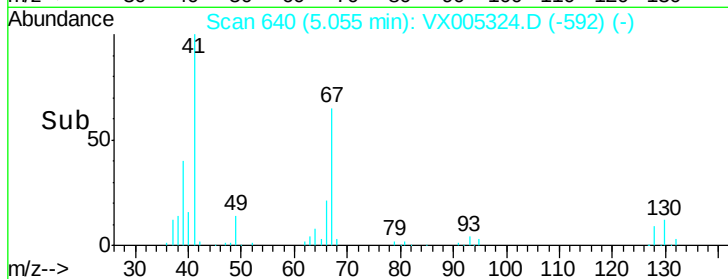
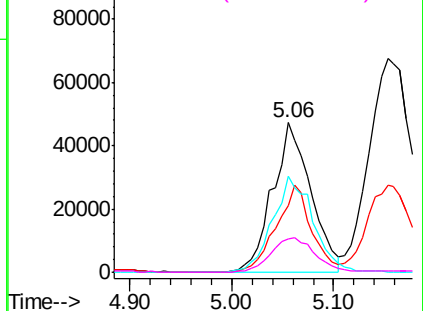
Tgt Ion	Ratio	Lower	Upper
41	100		
39	53.6	42.4	63.6
67	68.6	59.2	88.8
52	26.7	23.0	34.4

Manual Integrations
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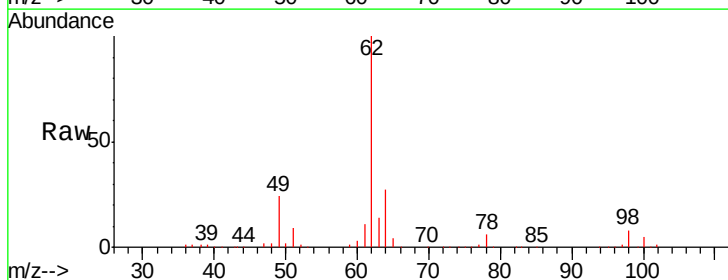


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

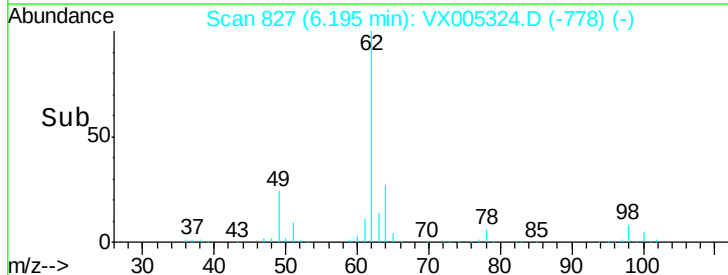
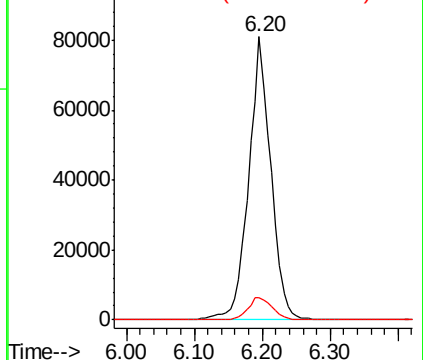


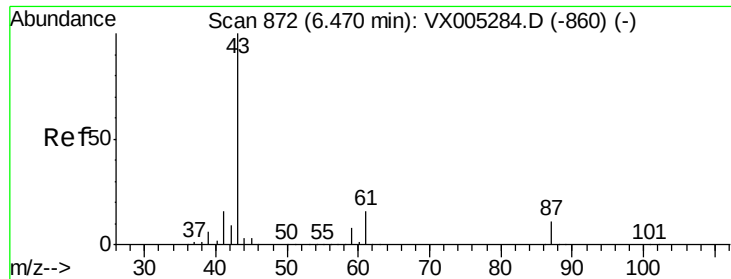
#42
1,2-Dichloroethane
Concen: 50.40 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 47.54 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.01 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Instrument :

MSVOA_X

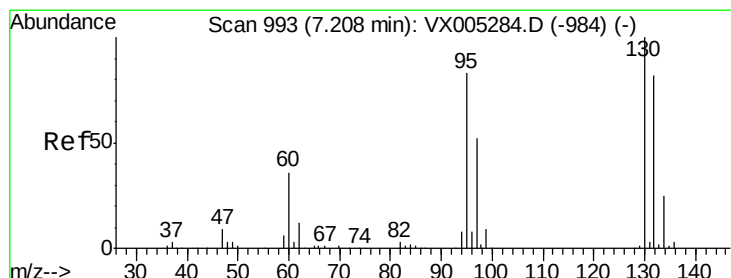
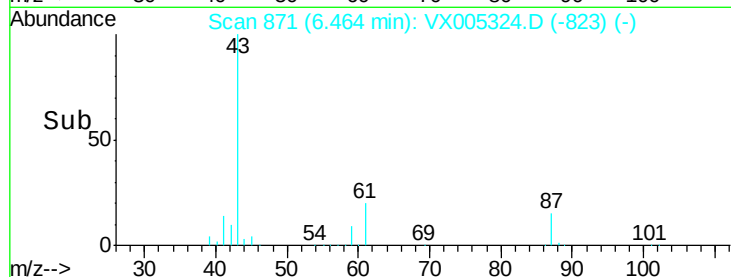
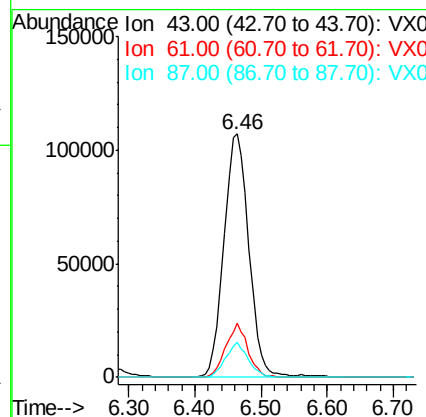
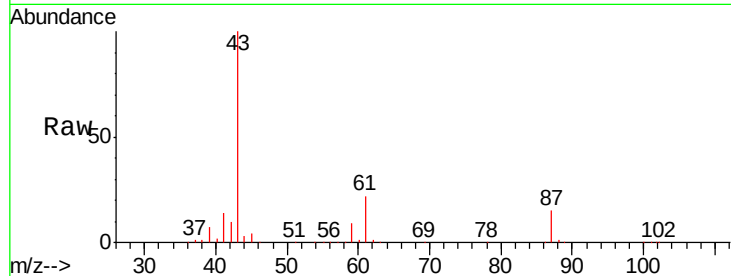
ClientSampleId :

FA18-MMW3414MSD

Tgt Ion:	43	Resp:	279288
Ion	Ratio	Lower	Upper
43	100		
61	20.0	17.0	25.4
87	13.1	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 48.02 ug/l

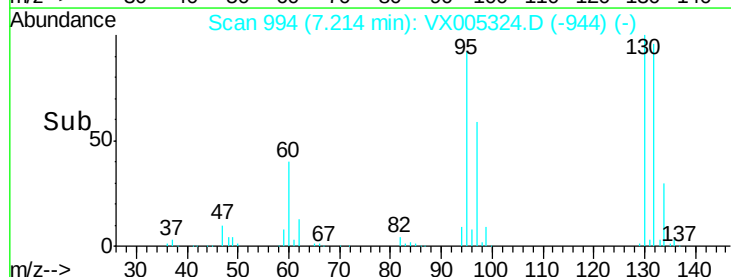
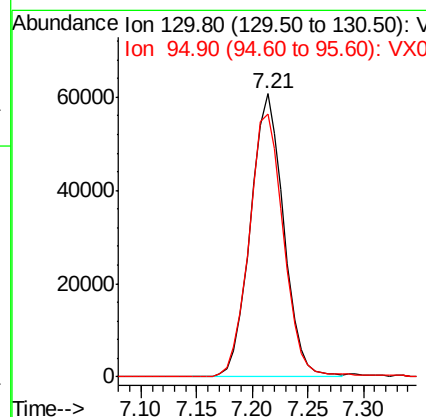
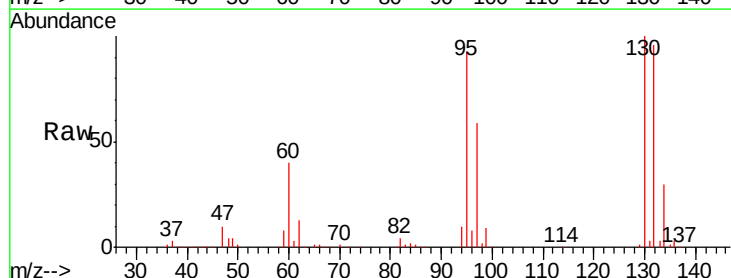
RT: 7.21 min Scan# 994

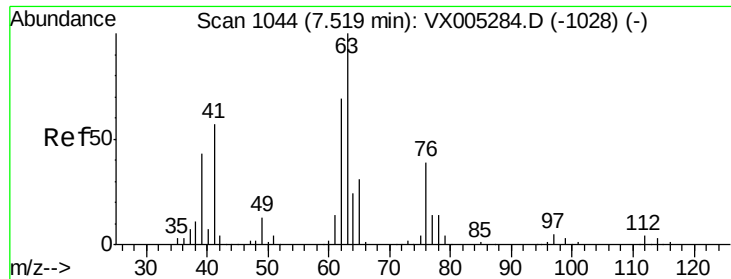
Delta R.T. 0.01 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Tgt Ion:	130	Resp:	126193
Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	181.6





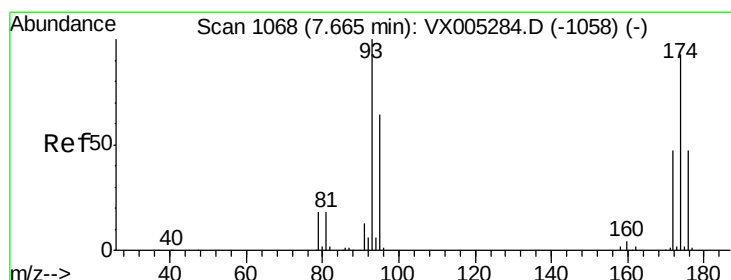
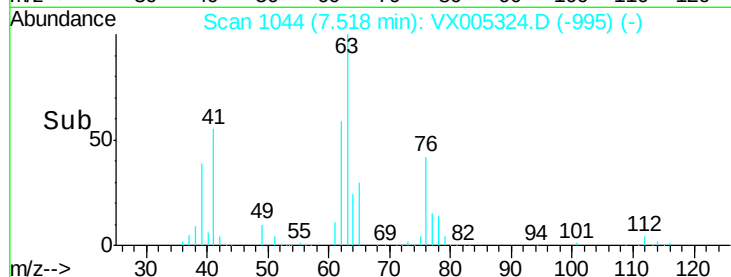
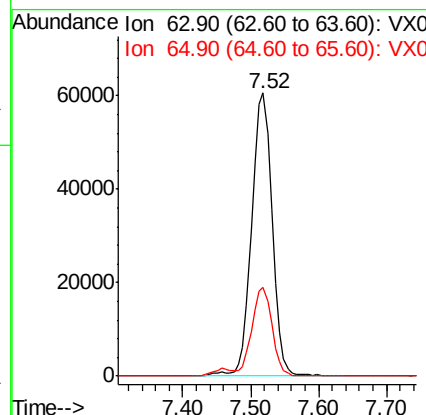
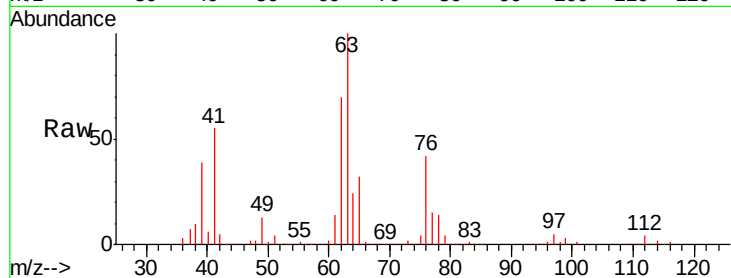
#45
 1,2-Dichloropropane
 Concen: 50.72 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005324.D
 Acq: 13 Oct 2018 05:50

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-MMW3414MSD

Tgt Ion: 63 Resp: 127989
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.3 36.5

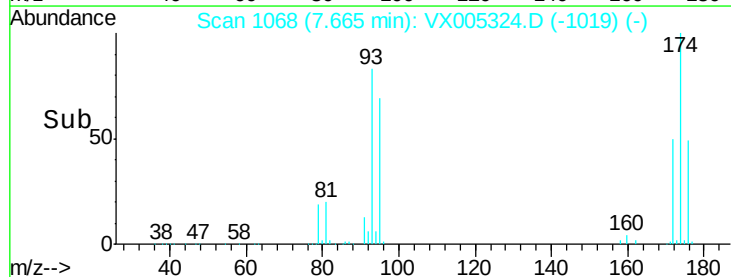
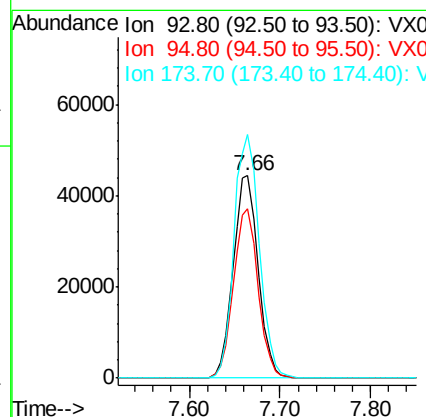
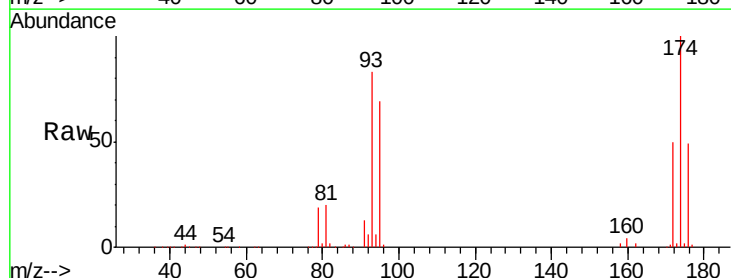
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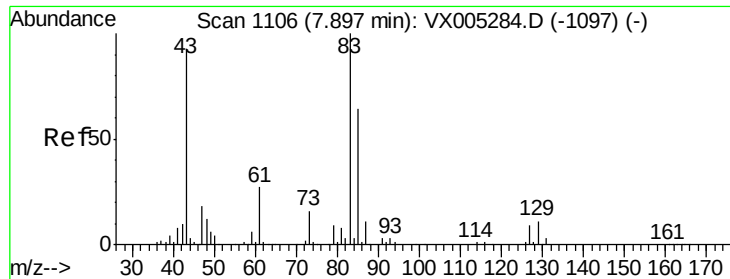
MMDadoda
 10/17/2018 9:06:25 AM



#46
 Dibromomethane
 Concen: 51.17 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX005324.D
 Acq: 13 Oct 2018 05:50

Tgt Ion: 93 Resp: 85222
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.5 98.3
 174 121.4 94.2 141.4





#47

Bromodichloromethane

Concen: 52.75 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Instrument :

MSVOA_X

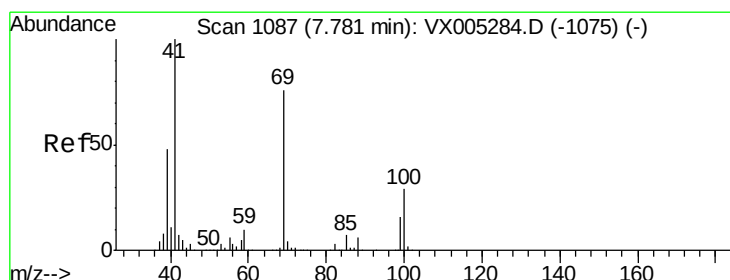
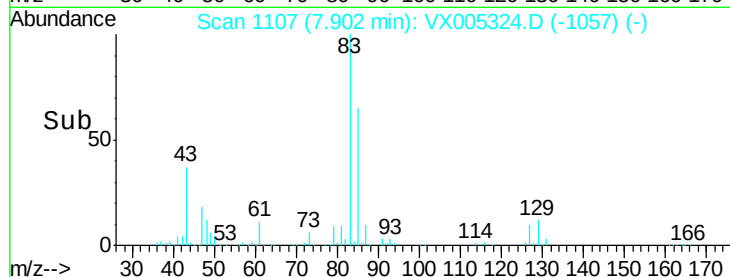
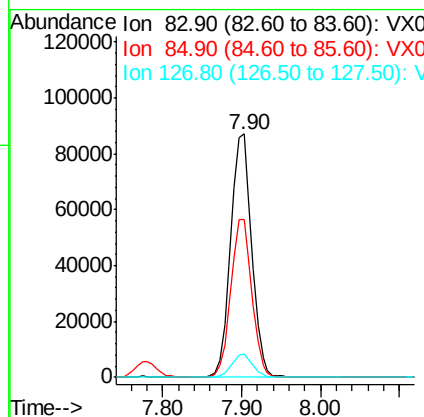
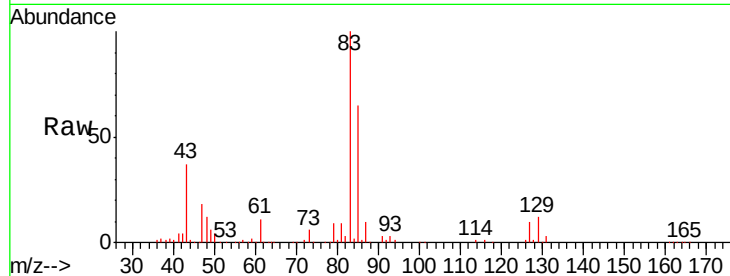
ClientSampleId :

FA18-MMW3414MSD

Tgt Ion:	83	Resp:	162486
Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.9	76.3
127	9.6	7.3	10.9

Manual Integrations
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MMDadoda
10/17/2018 9:06:25 AM



#48

Methyl methacrylate

Concen: 52.90 ug/l

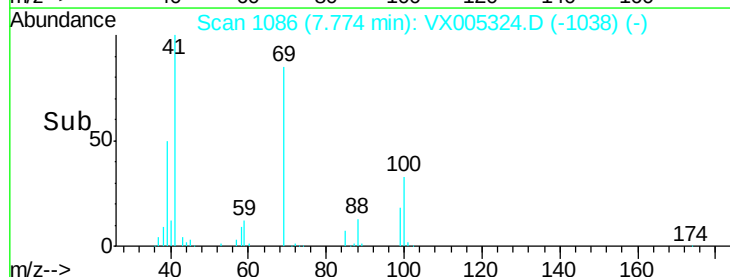
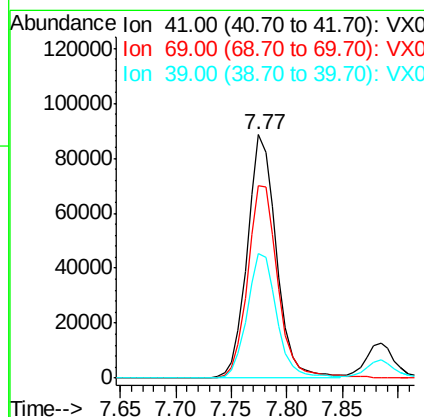
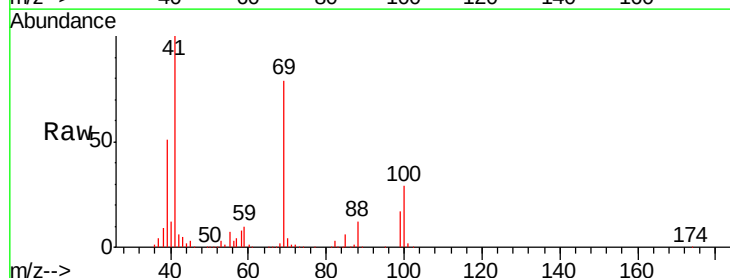
RT: 7.77 min Scan# 1086

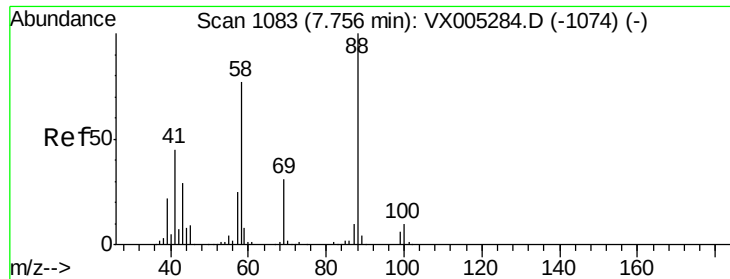
Delta R.T. -0.01 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Tgt Ion:	41	Resp:	161165
Ion	Ratio	Lower	Upper
41	100		
69	82.2	70.2	105.4
39	52.0	42.7	64.1





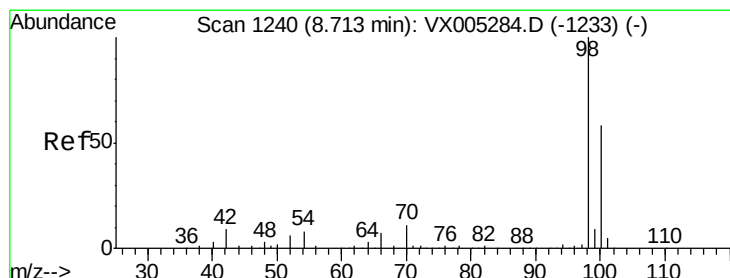
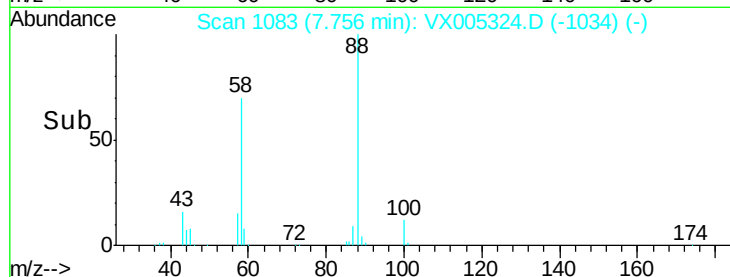
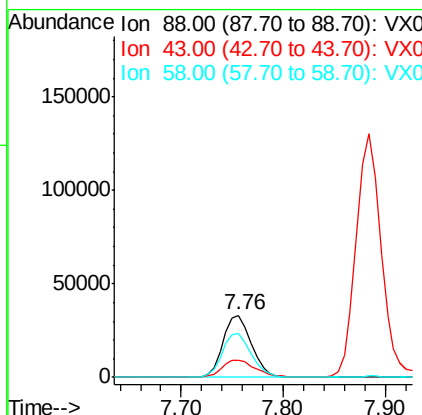
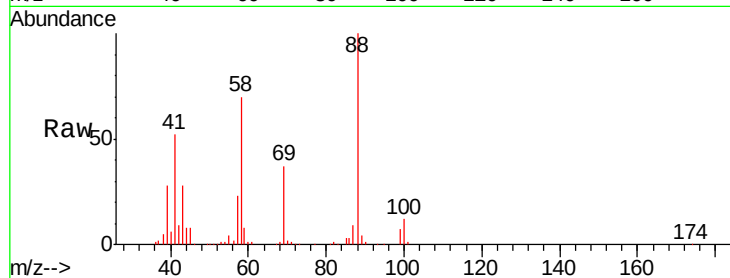
#49
1,4-Dioxane
Concen: 913.00 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Instrument :
MSVOA_X
ClientSampleId :
FA18-MMW3414MSD

Tgt Ion	Ratio	Lower	Upper
88	100		
43	34.4	24.7	37.1
58	73.2	55.3	82.9

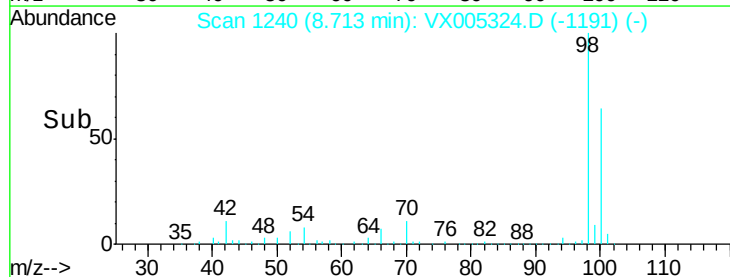
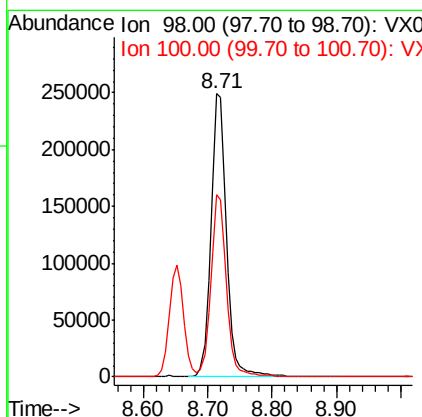
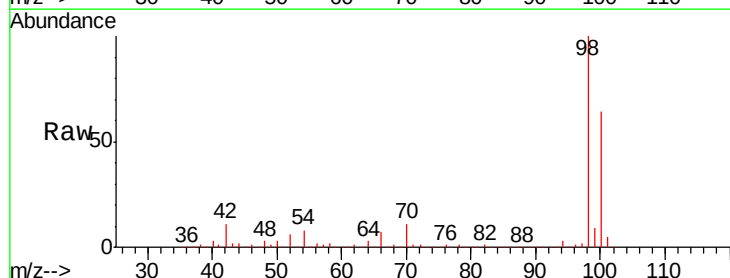
Manual Integrations
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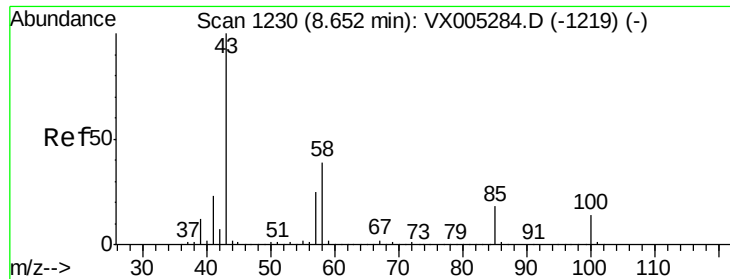
MMDadoda
10/17/2018 9:06:25 AM



#50
Toluene-d8
Concen: 52.32 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 268.23 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Instrument :

MSVOA_X

ClientSampleId :

FA18-MMW3414MSD

Tgt Ion: 43 Resp: 1091008

Ion Ratio Lower Upper

43 100

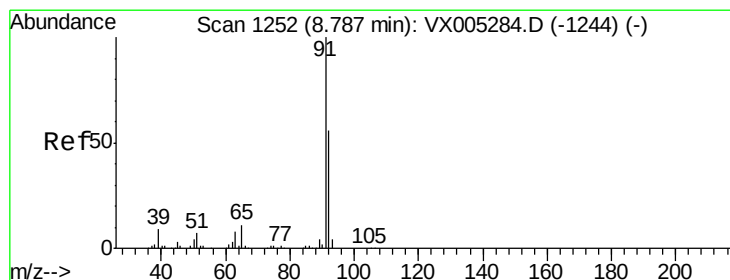
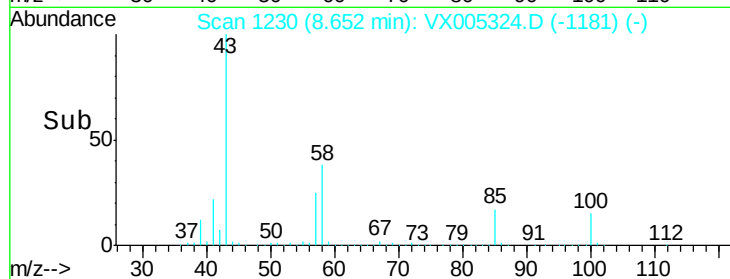
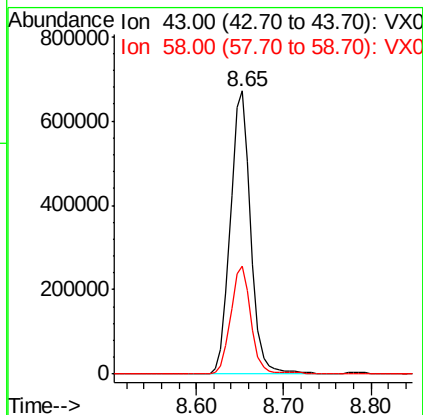
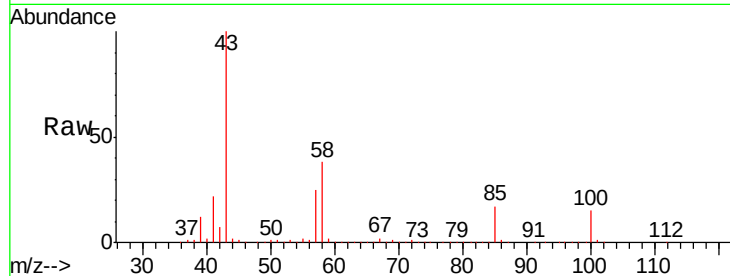
58 38.6 33.1 49.7

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#52

Toluene

Concen: 53.34 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005324.D

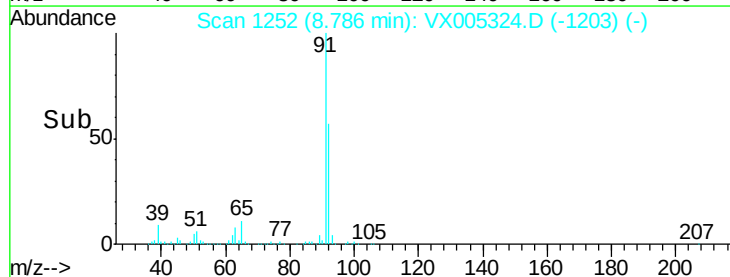
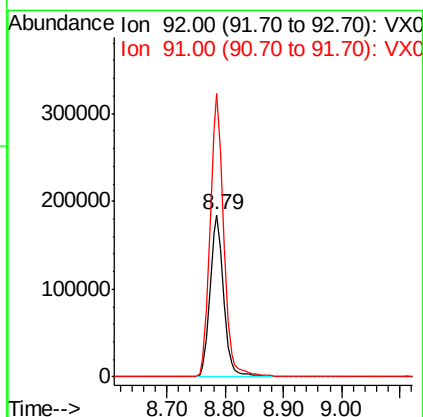
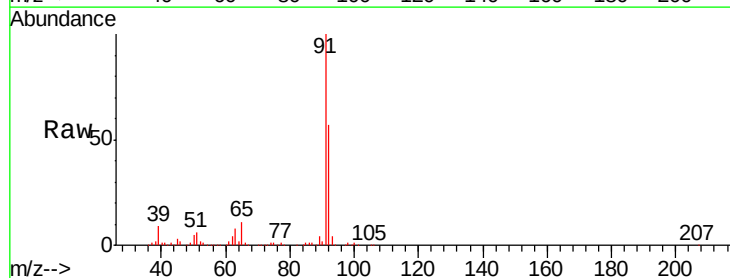
Acq: 13 Oct 2018 05:50

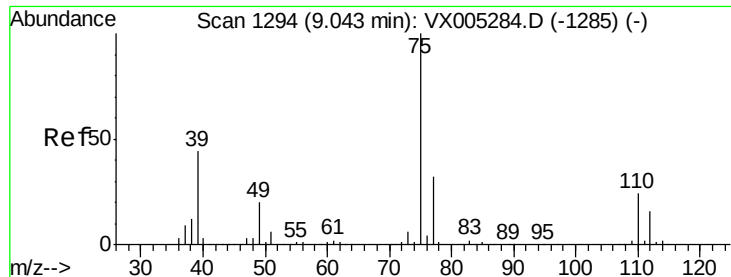
Tgt Ion: 92 Resp: 300192

Ion Ratio Lower Upper

92 100

91 175.0 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 51.05 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Instrument :

MSVOA_X

ClientSampleId :

FA18-MMW3414MSD

Tgt Ion: 75 Resp: 170176

Ion Ratio Lower Upper

75 100

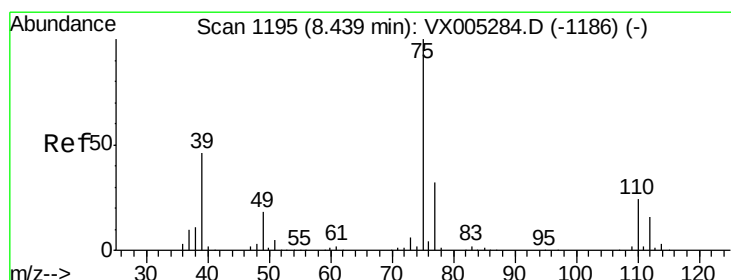
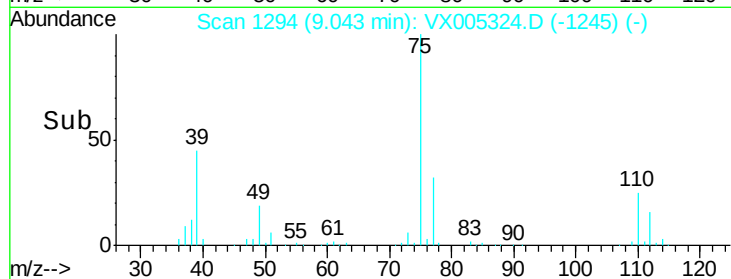
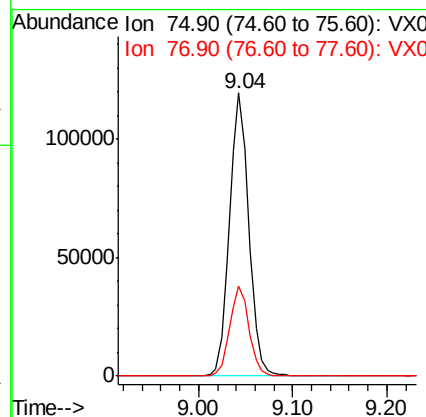
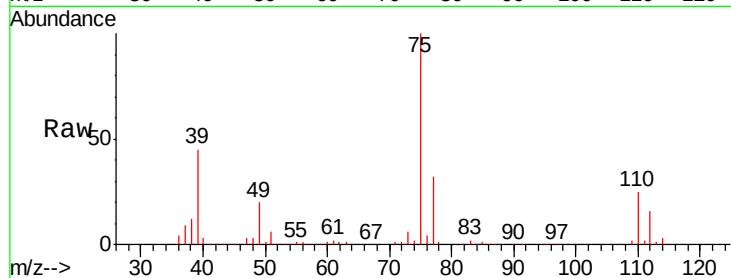
77 31.7 24.6 37.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 49.54 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

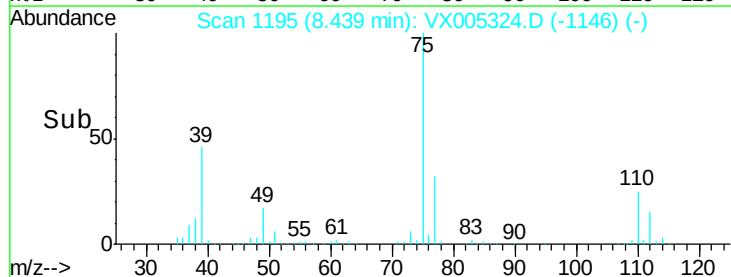
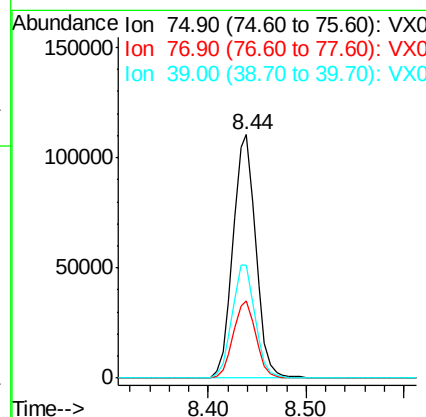
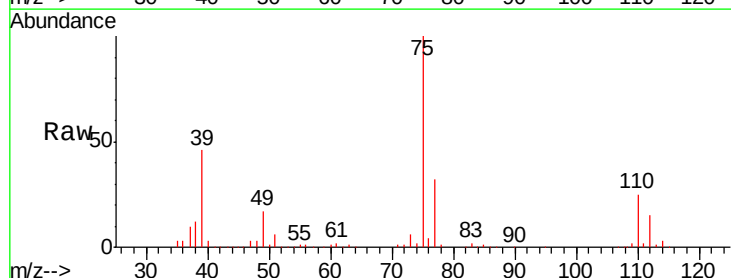
Tgt Ion: 75 Resp: 178933

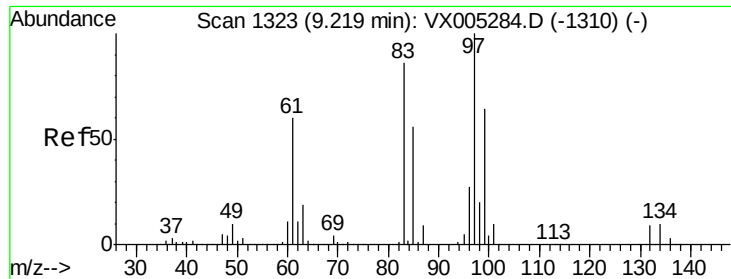
Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.2

39 46.2 36.4 54.6





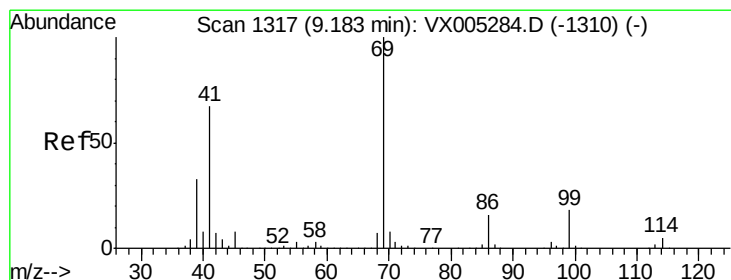
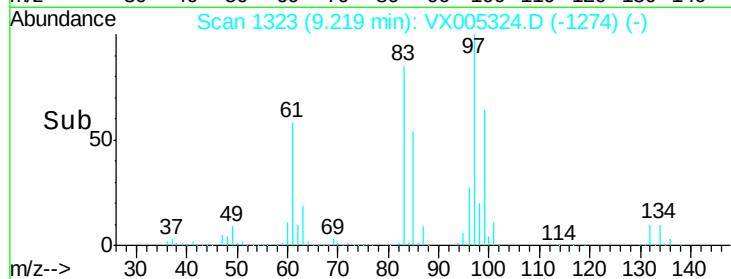
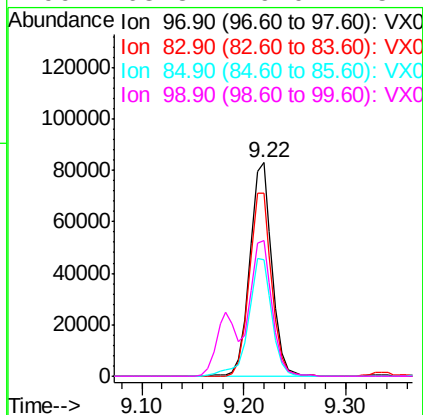
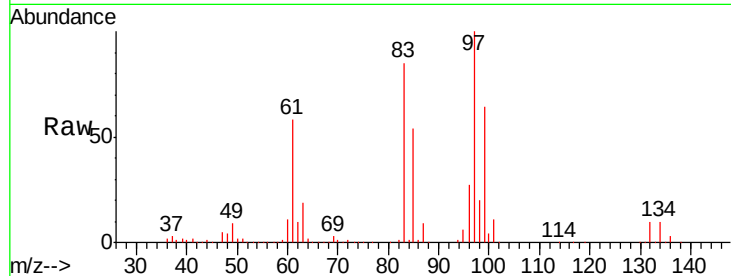
#55
 1,1,2-Trichloroethane
 Concen: 52.72 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX005324.D
 Acq: 13 Oct 2018 05:50

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-MMW3414MSD

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	125669		
83	85.5	66.4	99.6	
85	54.3	43.3	64.9	
99	63.8	49.0	73.4	

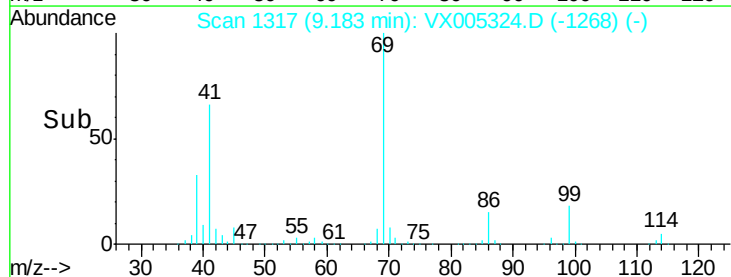
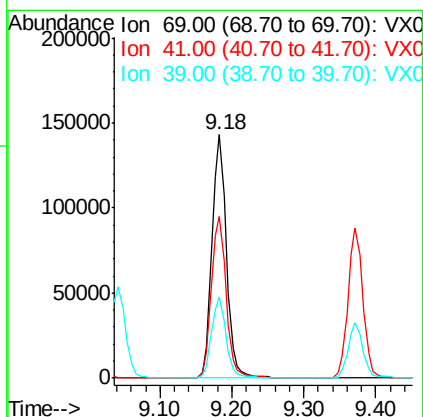
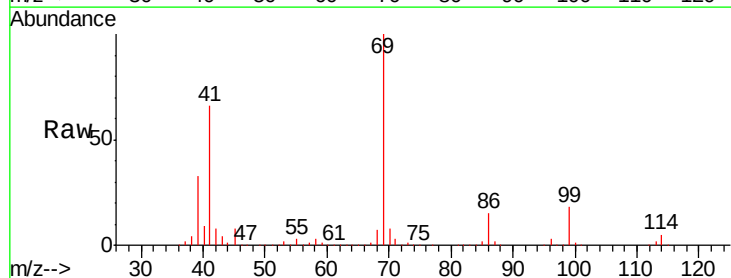
Manual Integrations
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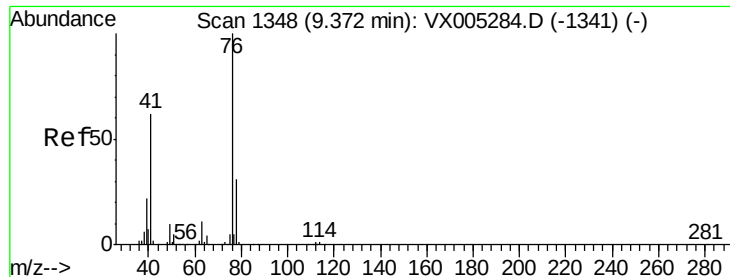
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 10/17/2018 9:06:25 AM



#56
 Ethyl methacrylate
 Concen: 57.09 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005324.D
 Acq: 13 Oct 2018 05:50

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	198369		
41	68.1	51.0	76.4	
39	33.3	26.1	39.1	





#57

1,3-Dichloropropane

Concen: 53.14 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Instrument :

MSVOA_X

ClientSampleId :

FA18-MMW3414MSD

Tgt Ion: 76 Resp: 211426

Ion Ratio Lower Upper

76 100

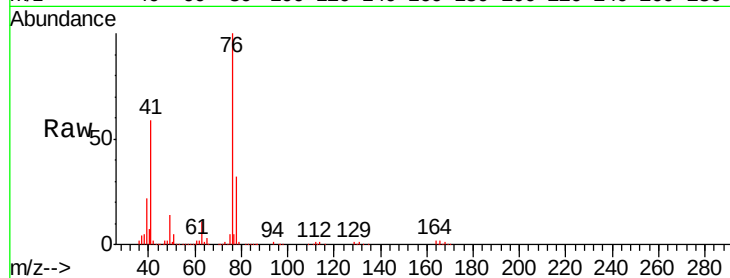
78 32.2 25.5 38.3

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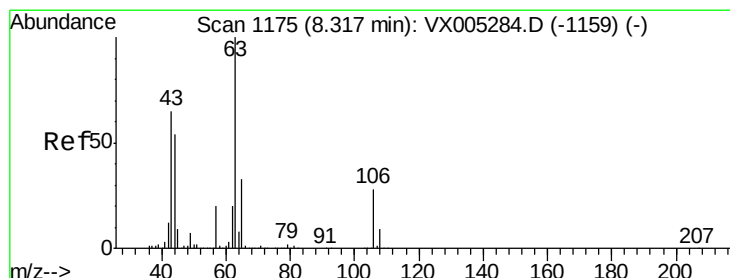
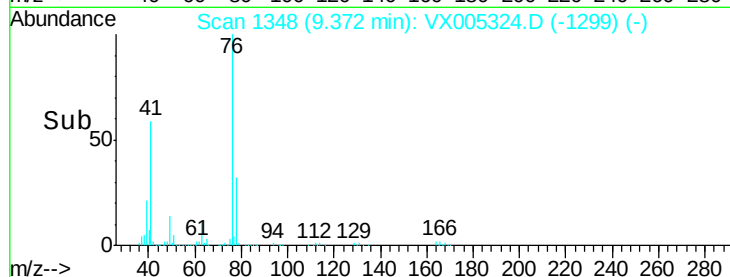
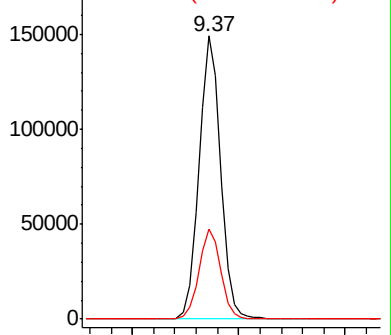
MMDadoda

10/17/2018 9:06:25 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 0.86 ug/l

RT: 8.27 min Scan# 1167

Delta R.T. -0.05 min

Lab File: VX005324.D

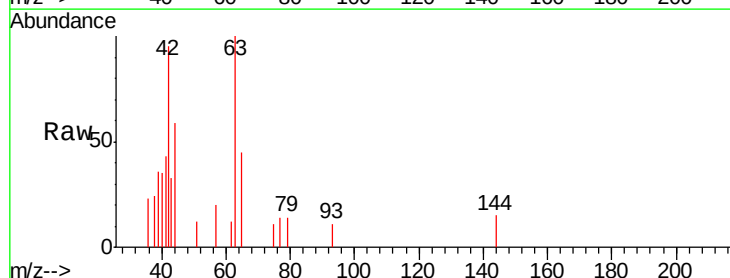
Acq: 13 Oct 2018 05:50

Tgt Ion: 63 Resp: 1677

Ion Ratio Lower Upper

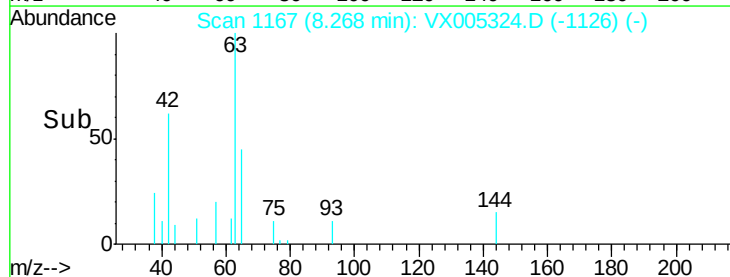
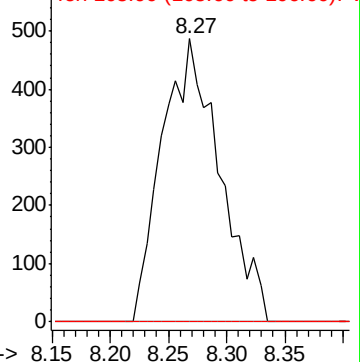
63 100

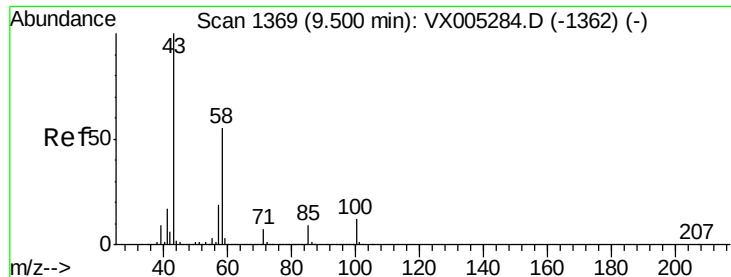
106 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





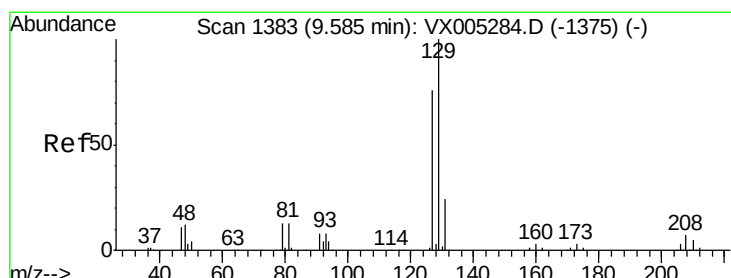
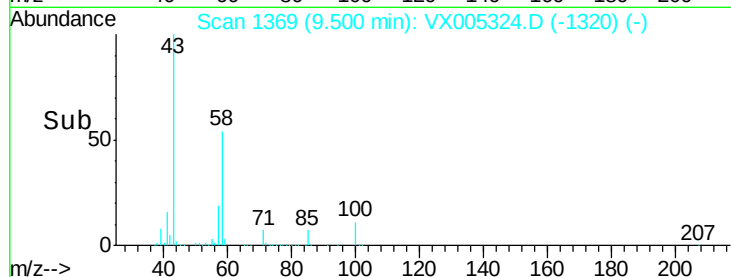
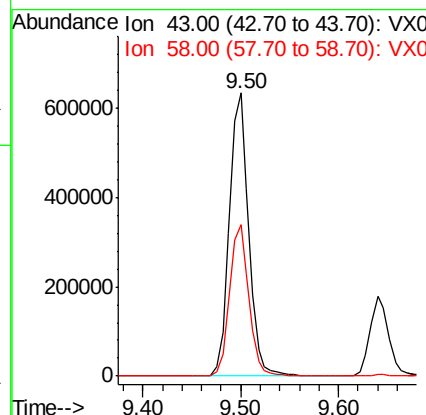
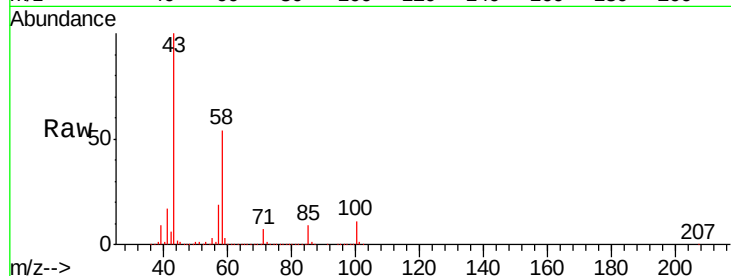
#59
2-Hexanone
Concen: 266.15 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Instrument :
MSVOA_X
ClientSampleId :
FA18-MMW3414MSD

Tgt Ion: 43 Resp: 870796
Ion Ratio Lower Upper
43 100
58 53.4 29.0 87.0

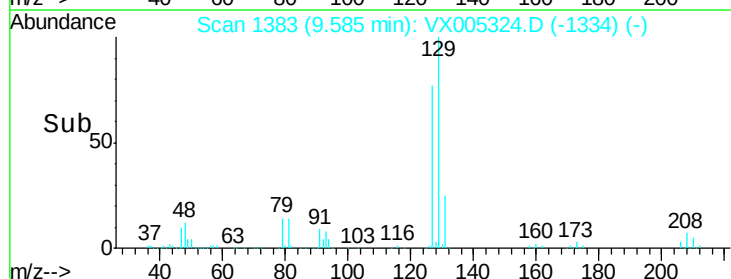
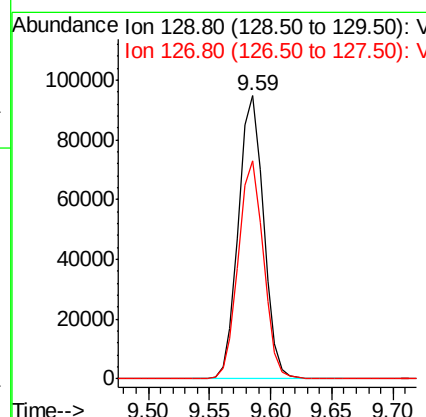
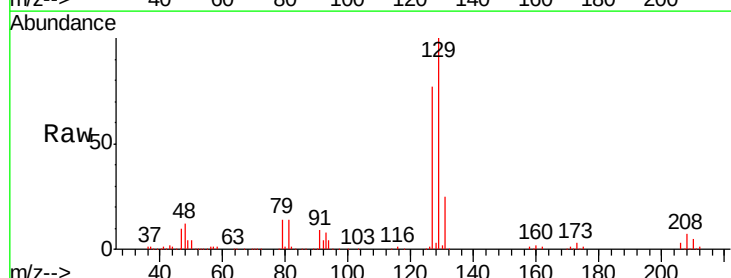
Manual Integrations
APPROVED

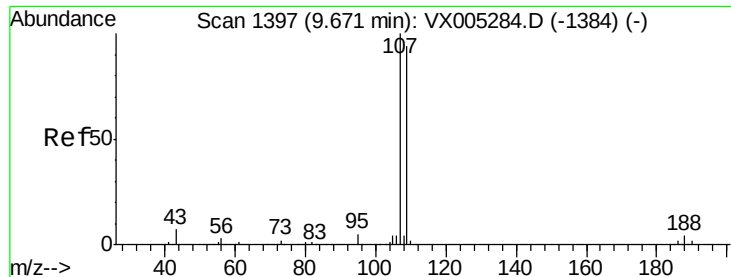
MMDadoda
10/17/2018 9:06:25 AM



#60
Dibromochloromethane
Concen: 54.70 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Tgt Ion: 129 Resp: 134783
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 52.42 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Instrument :

MSVOA_X

ClientSampleId :

FA18-MMW3414MSD

Tgt Ion: 107 Resp: 131118

Ion Ratio Lower Upper

107 100

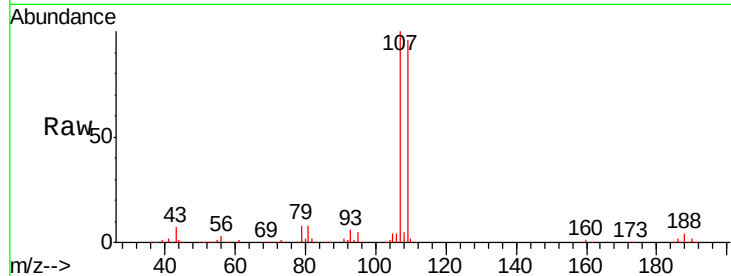
109 94.5 76.0 114.0

Manual Integrations

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MMDadoda

10/17/2018 9:06:25 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

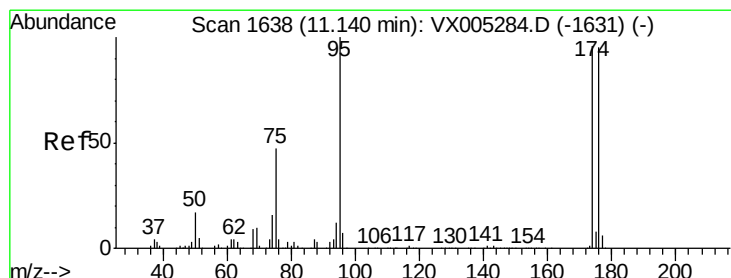
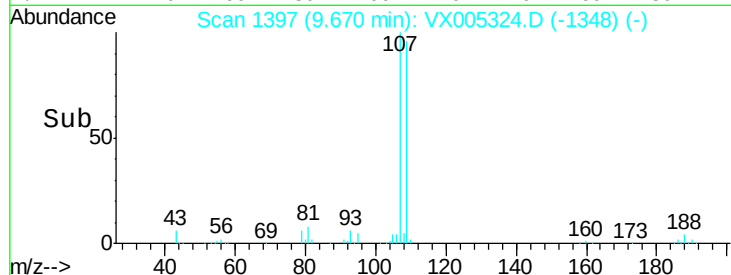
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.78 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

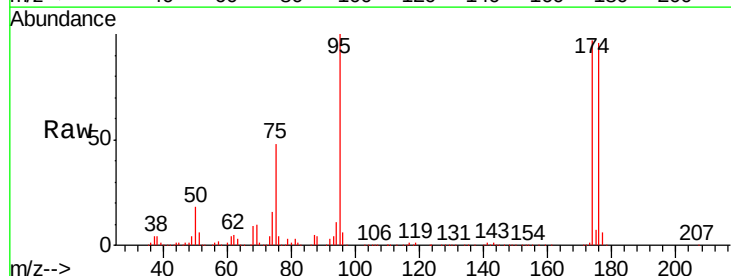
Tgt Ion: 95 Resp: 156606

Ion Ratio Lower Upper

95 100

174 95.3 0.0 185.2

176 92.6 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

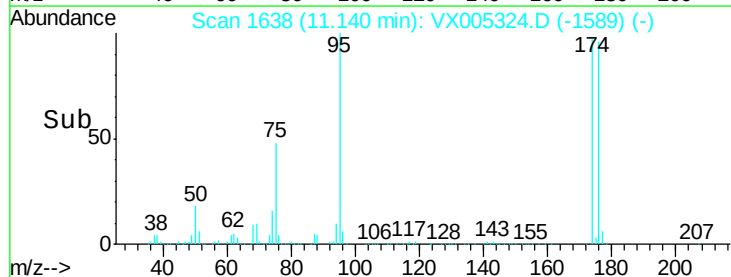
150000

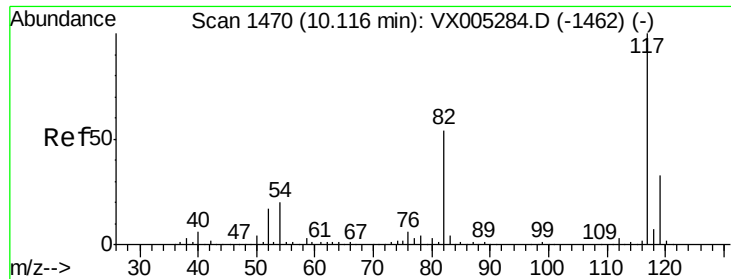
100000

50000

0

Time-->





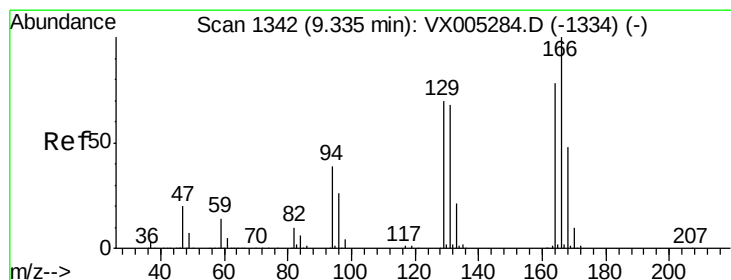
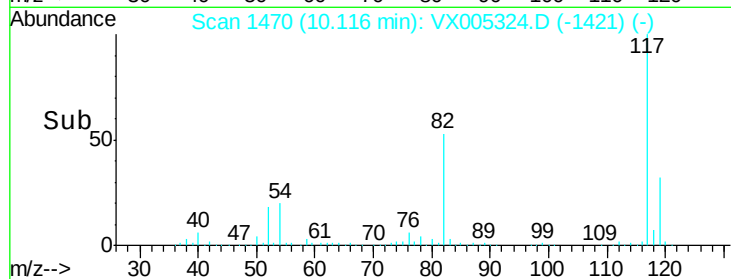
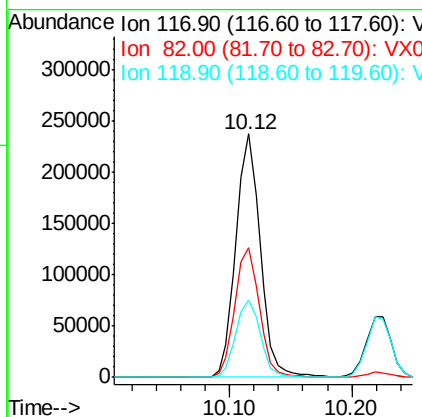
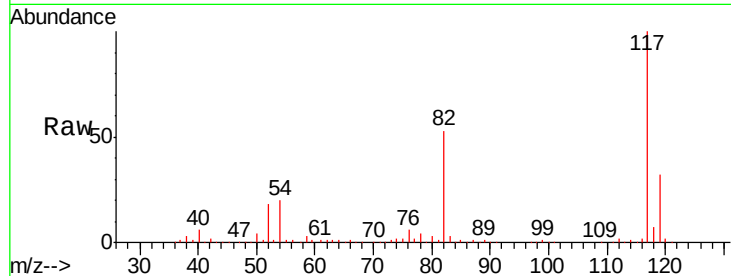
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Instrument :
MSVOA_X
ClientSampleId :
FA18-MMW3414MSD

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.2	47.8	71.6
119	31.7	29.3	43.9

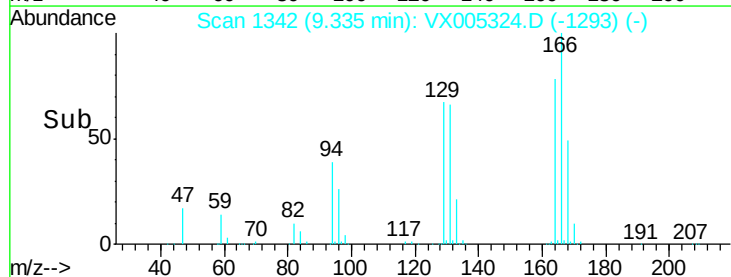
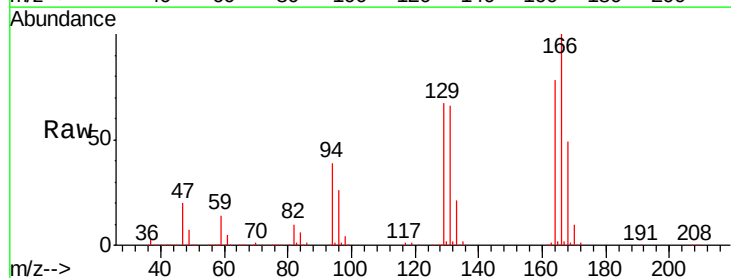
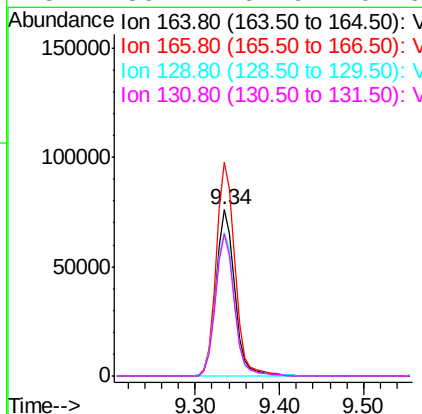
Manual Integrations
APPROVED

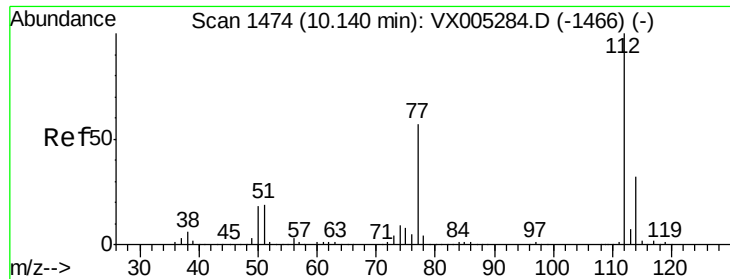
MMDadoda
10/17/2018 9:06:25 AM



#64
Tetrachloroethene
Concen: 44.60 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	102.8	154.2
129	86.4	69.4	104.0
131	85.4	67.9	101.9





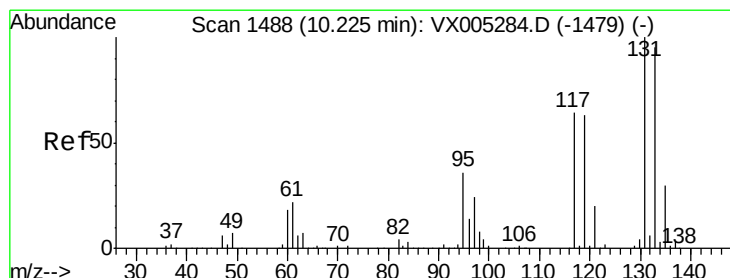
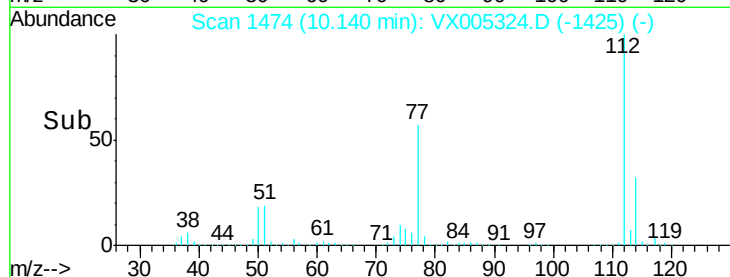
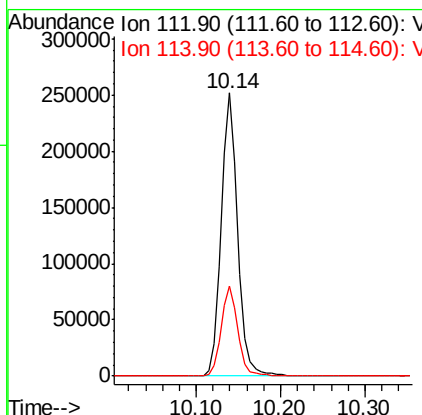
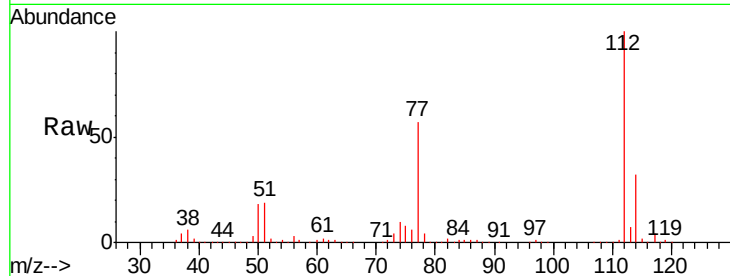
#65
Chlorobenzene
Concen: 48.95 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Instrument :
MSVOA_X
ClientSampleId :
FA18-MMW3414MSD

Tgt Ion:112 Resp: 341414
Ion Ratio Lower Upper
112 100
114 32.0 27.8 41.8

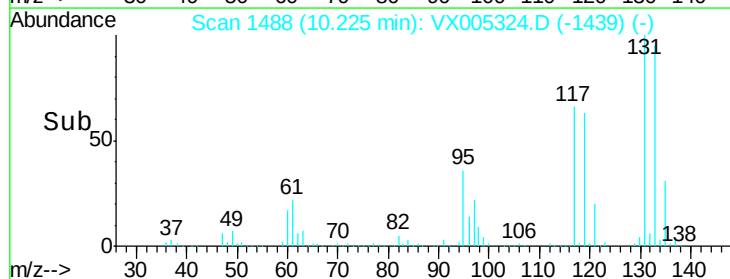
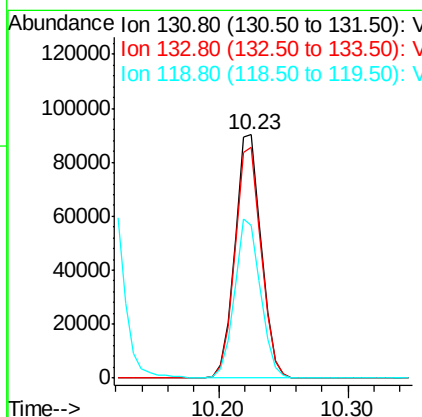
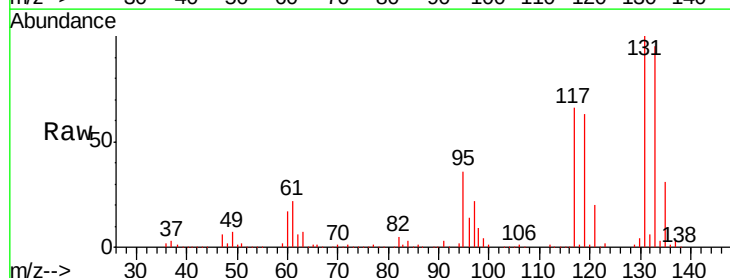
Manual Integrations
APPROVED

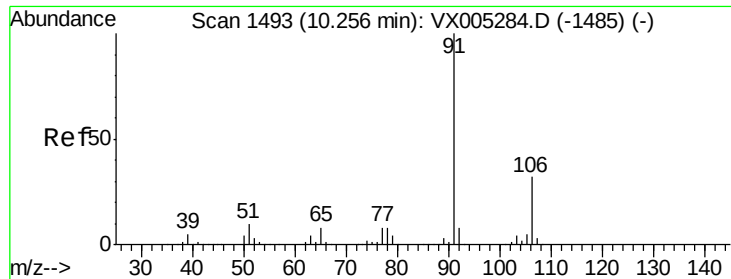
MMDadoda
10/17/2018 9:06:25 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.60 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Tgt Ion:131 Resp: 128258
Ion Ratio Lower Upper
131 100
133 94.9 48.1 144.4
119 64.2 32.9 98.6





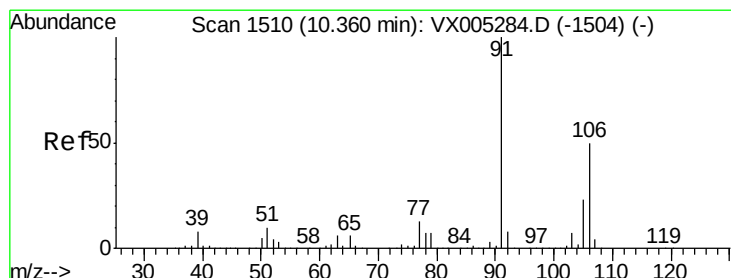
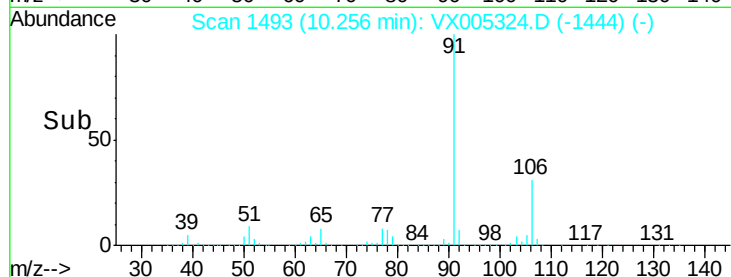
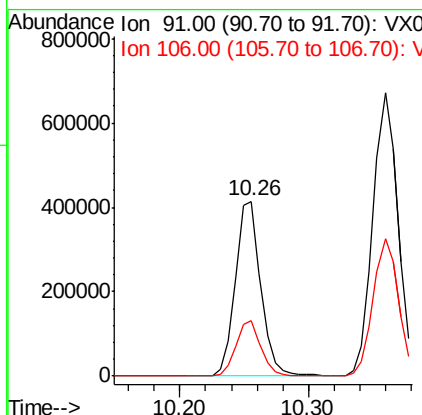
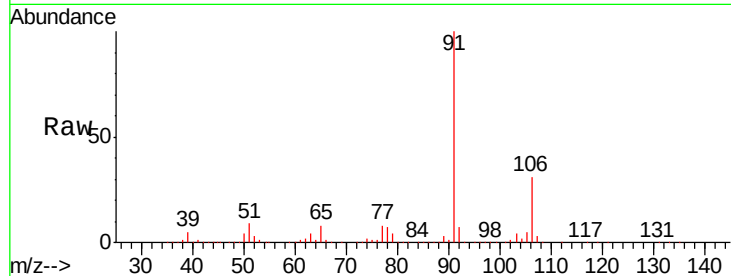
#67
Ethyl Benzene
Concen: 50.56 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Instrument :
MSVOA_X
ClientSampleId :
FA18-MMW3414MSD

Tgt Ion: 91 Resp: 573293
Ion Ratio Lower Upper
91 100
106 31.5 25.9 38.9

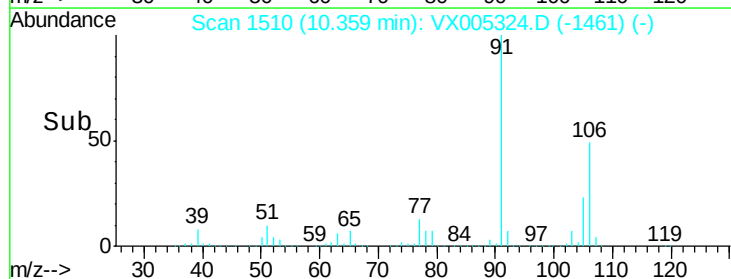
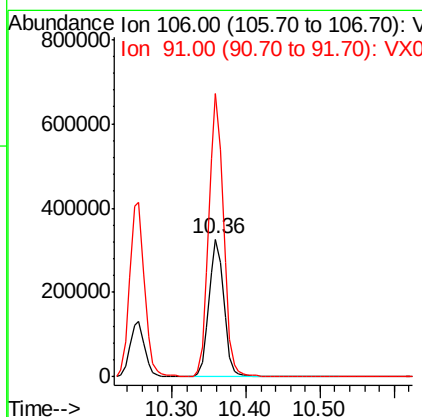
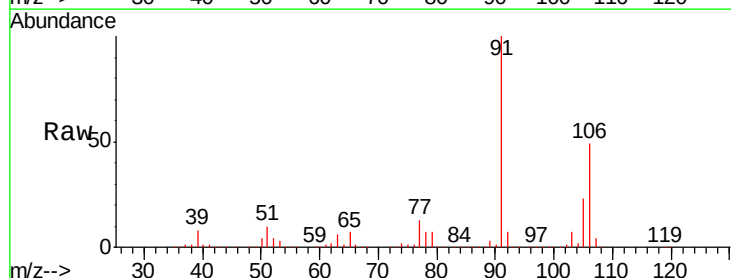
Manual Integrations
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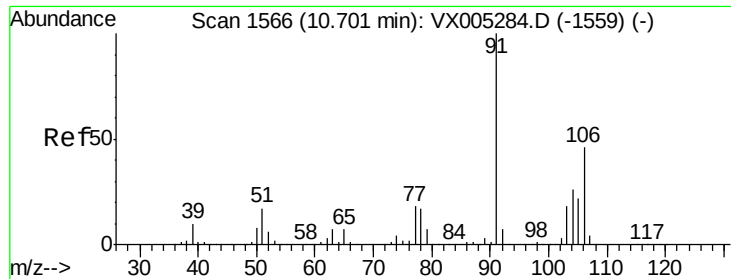
MMDadoda
10/17/2018 9:06:25 AM



#68
m/p-Xylenes
Concen: 101.65 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Tgt Ion: 106 Resp: 447361
Ion Ratio Lower Upper
106 100
91 204.1 157.1 235.7





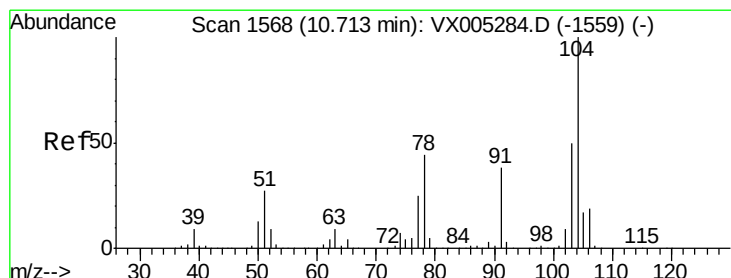
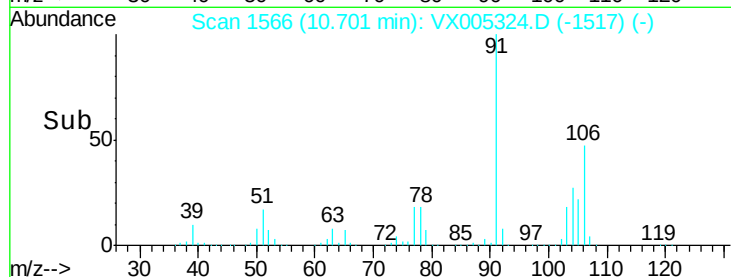
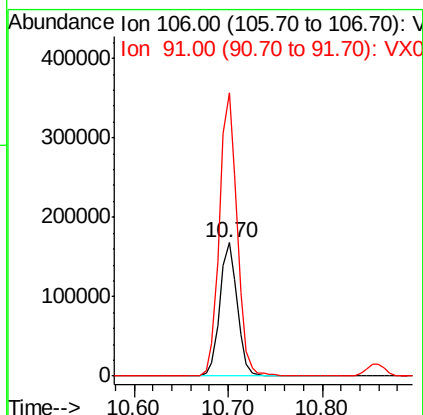
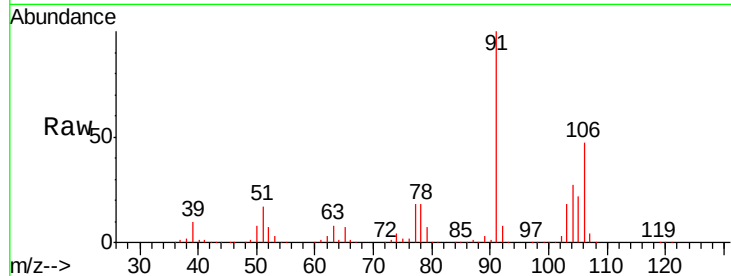
#69
o-Xylene
Concen: 51.19 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Instrument :
MSVOA_X
ClientSampleId :
FA18-MMW3414MSD

Tgt Ion:106 Resp: 217255
Ion Ratio Lower Upper
106 100
91 214.4 105.1 315.1

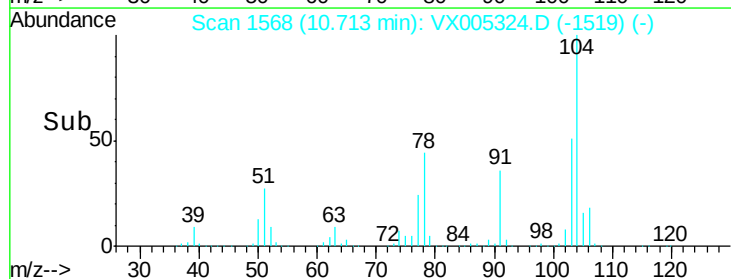
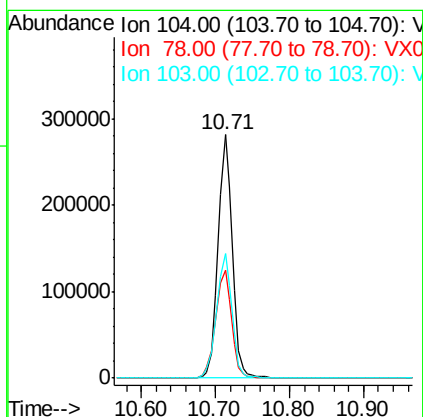
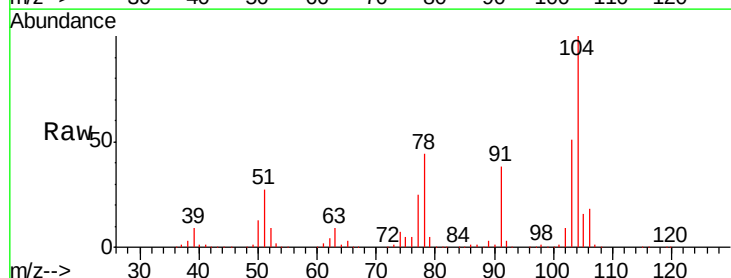
Manual Integrations
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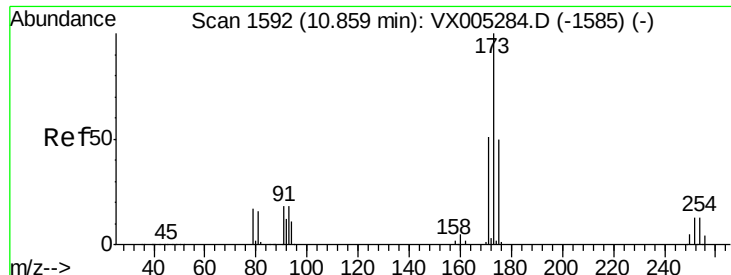
MMDadoda
10/17/2018 9:06:25 AM



#70
Styrene
Concen: 52.86 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Tgt Ion:104 Resp: 369034
Ion Ratio Lower Upper
104 100
78 49.8 37.4 56.0
103 55.4 43.8 65.6





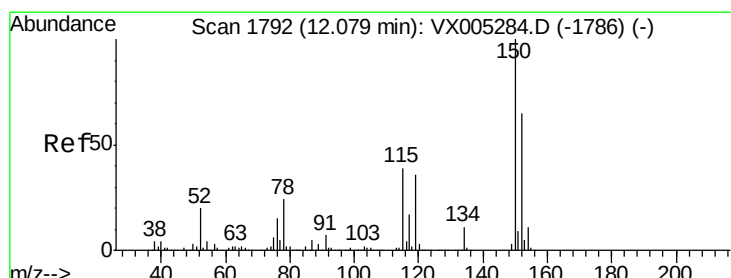
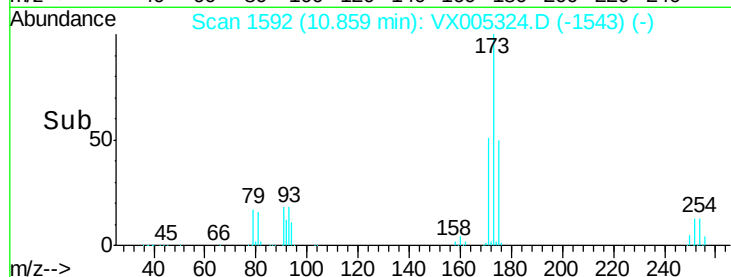
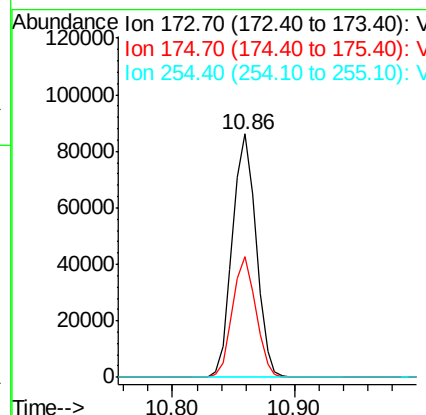
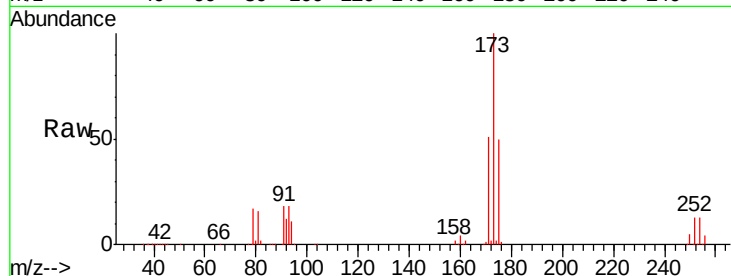
#71
Bromoform
Concen: 51.92 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Instrument :
MSVOA_X
ClientSampleId :
FA18-MMW3414MSD

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.3
254	0.2	0.2	0.2

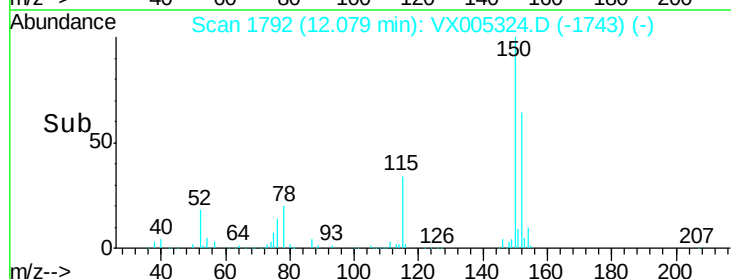
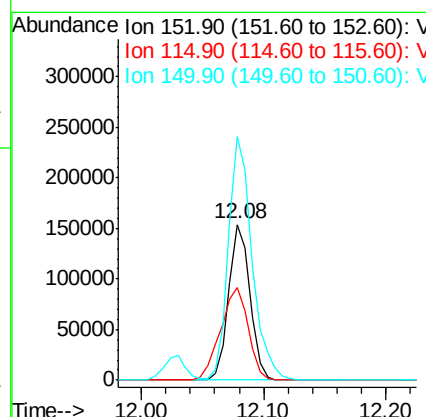
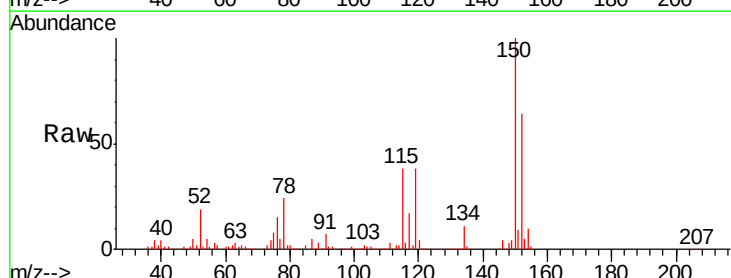
Manual Integrations
APPROVED

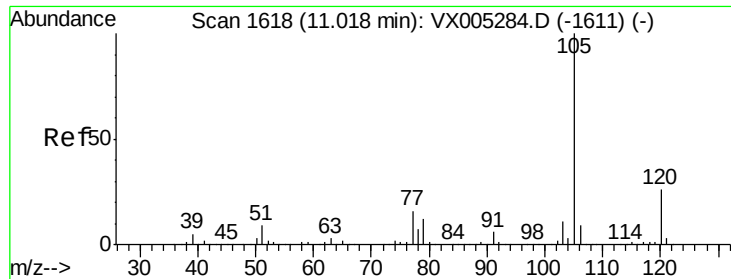
MMDadoda
10/17/2018 9:06:25 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.1	39.0	117.0
150	173.8	0.0	351.0





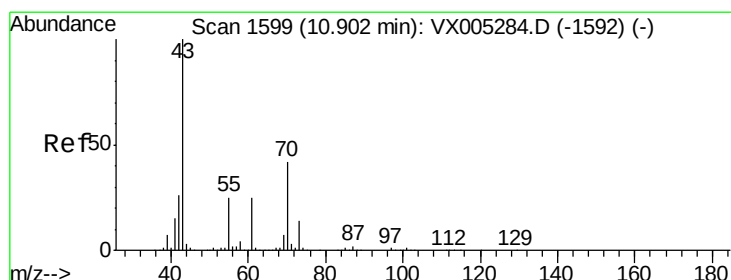
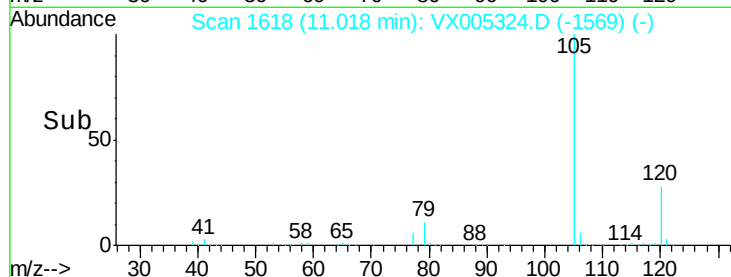
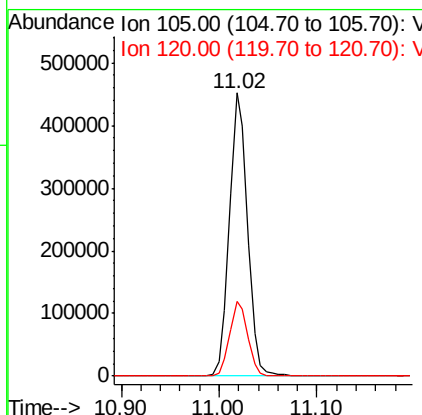
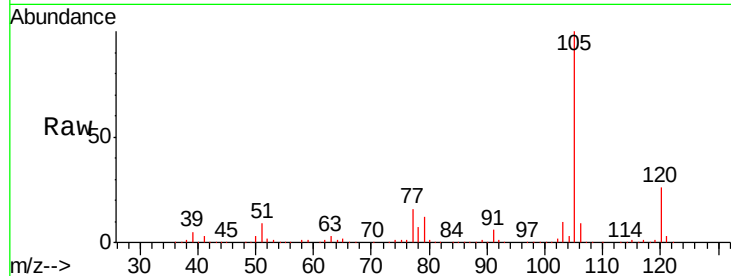
#73
Isopropylbenzene
Concen: 52.68 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Instrument :
MSVOA_X
ClientSampleId :
FA18-MMW3414MSD

Tgt Ion: 105 Resp: 581470
Ion Ratio Lower Upper
105 100
120 26.5 13.5 40.4

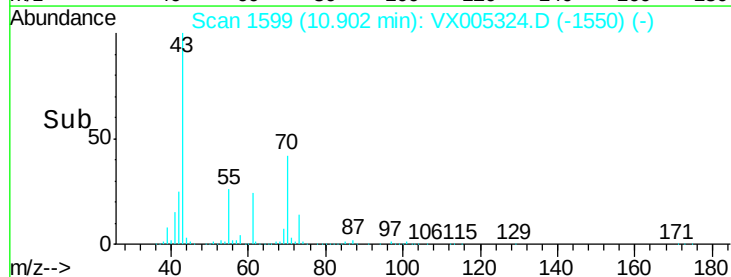
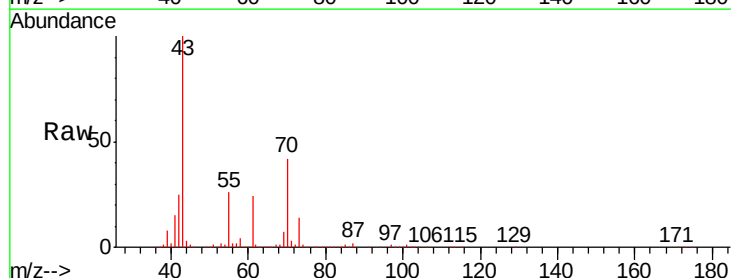
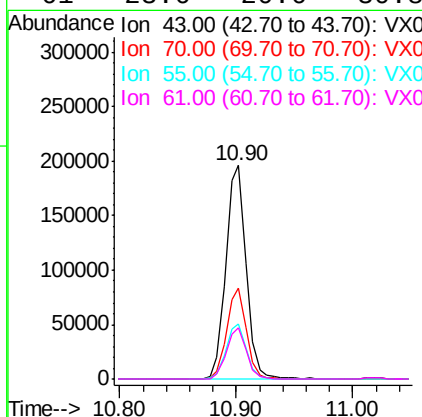
Manual Integrations
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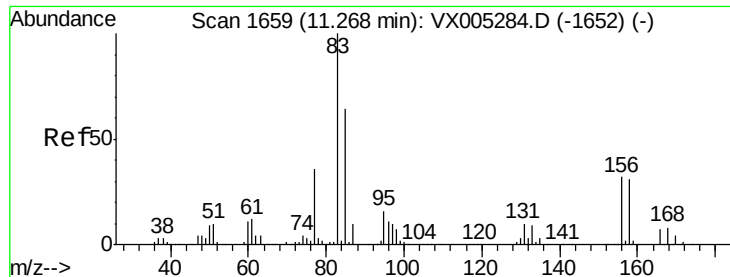
MMDadoda
10/17/2018 9:06:25 AM



#74
N-ethyl acetate
Concen: 44.26 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Tgt Ion: 43 Resp: 235654
Ion Ratio Lower Upper
43 100
70 41.5 37.4 56.0
55 25.9 21.8 32.8
61 23.6 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 51.55 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Instrument :

MSVOA_X

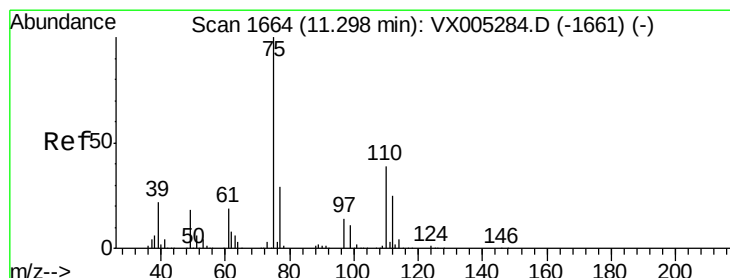
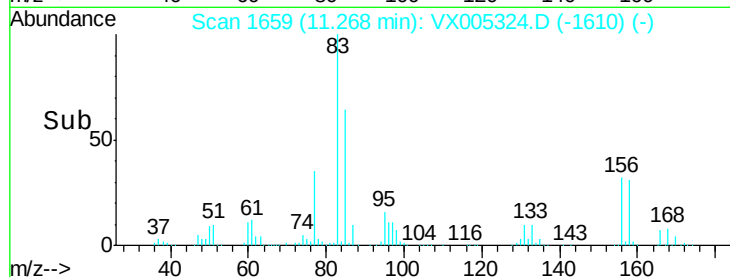
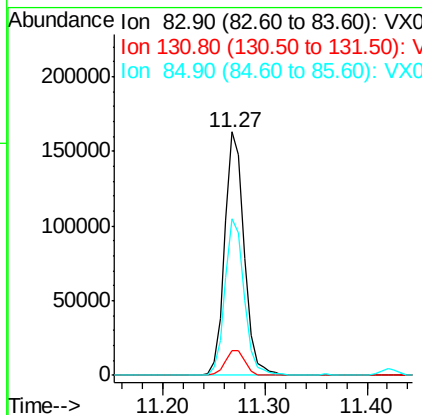
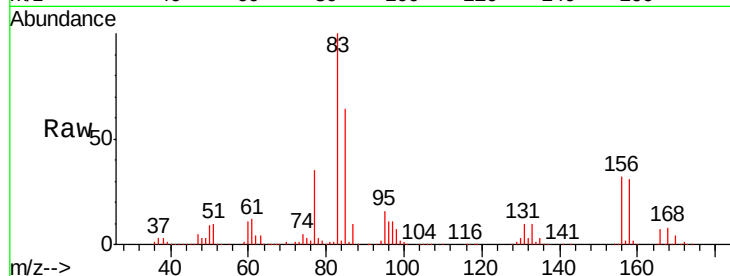
ClientSampleId :

FA18-MMW3414MSD

Tgt Ion:	83	Resp:	214649
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.2	15.6
85	64.0	32.3	96.8

Manual Integrations
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10/17/2018 9:06:25 AM



#76

1,2,3-Trichloropropane

Concen: 52.46 ug/l m

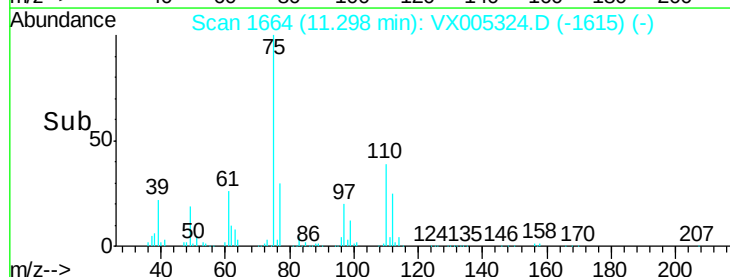
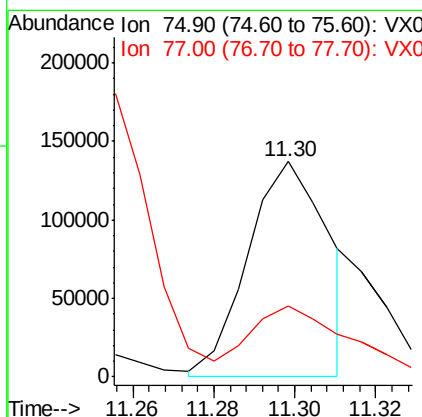
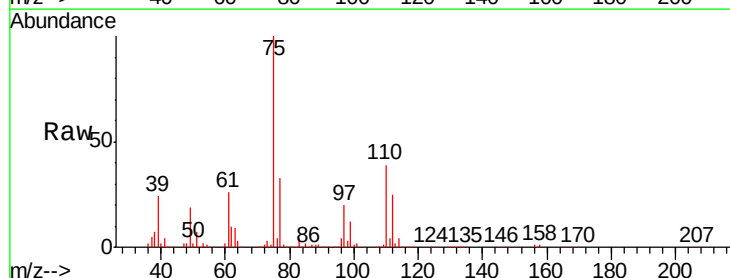
RT: 11.30 min Scan# 1664

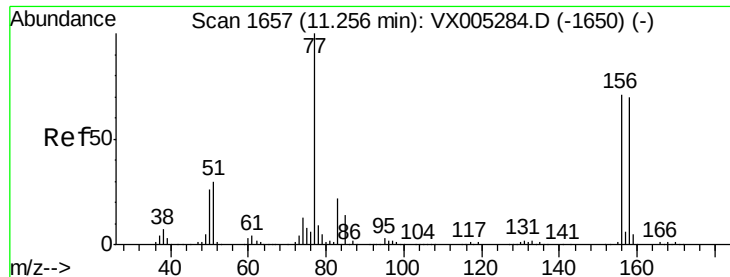
Delta R.T. -0.00 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Tgt Ion:	75	Resp:	188939
Ion	Ratio	Lower	Upper
75	100		
77	40.7	20.2	60.6





#77

Bromobenzene

Concen: 52.22 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Instrument :

MSVOA_X

ClientSampleId :

FA18-MMW3414MSD

Tgt Ion: 156 Resp: 164825

Ion Ratio Lower Upper

156 100

77 140.8 71.5 214.3

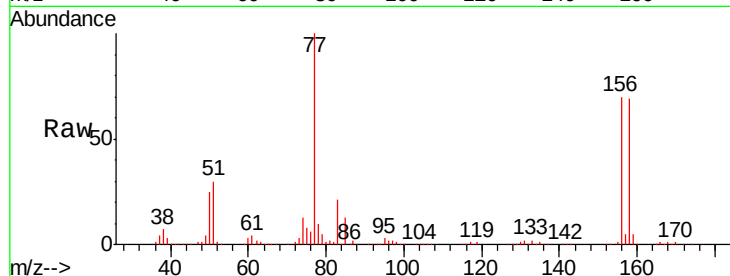
158 96.2 48.9 146.8

Manual Integrations

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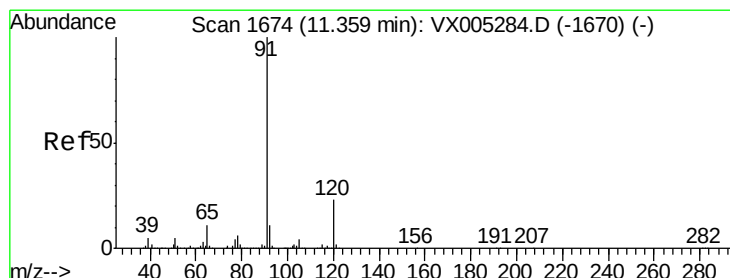
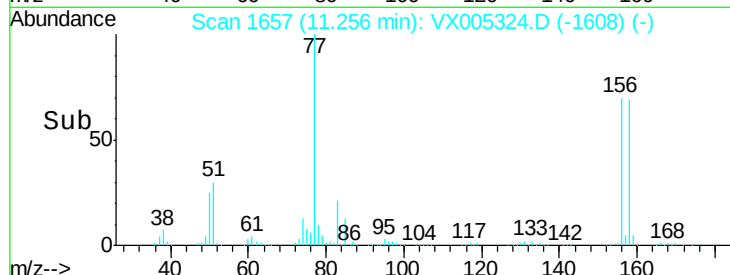
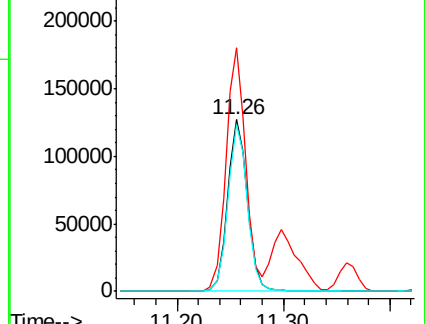
10/17/2018 9:06:25 AM



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: 51.67 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005324.D

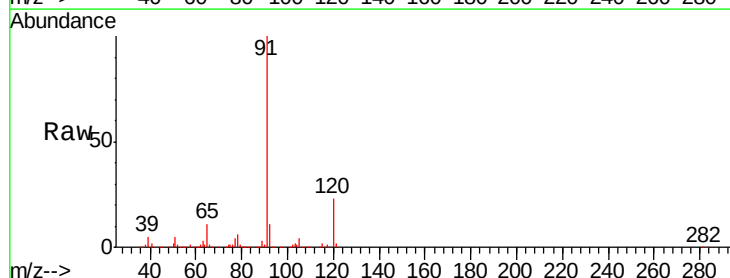
Acq: 13 Oct 2018 05:50

Tgt Ion: 91 Resp: 656321

Ion Ratio Lower Upper

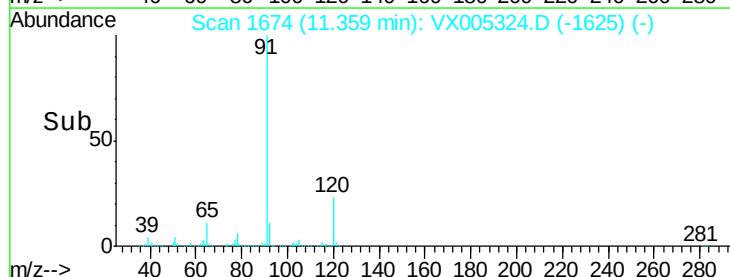
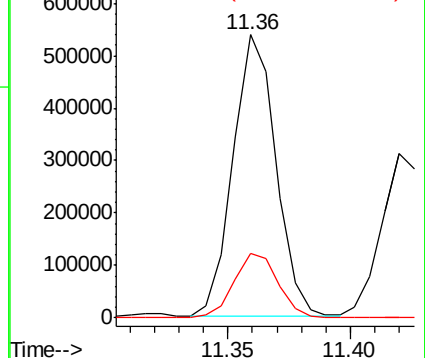
91 100

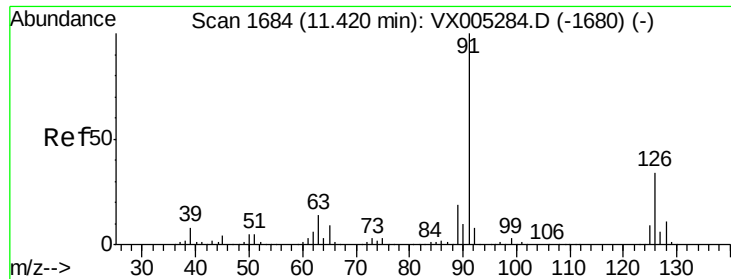
120 23.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.47 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Instrument :

MSVOA_X

ClientSampleId :

FA18-MMW3414MSD

Tgt Ion: 91 Resp: 400403

Ion Ratio Lower Upper

91 100

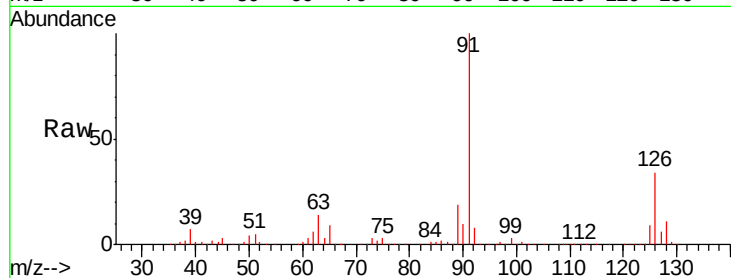
126 35.5 17.9 53.7

Manual Integrations

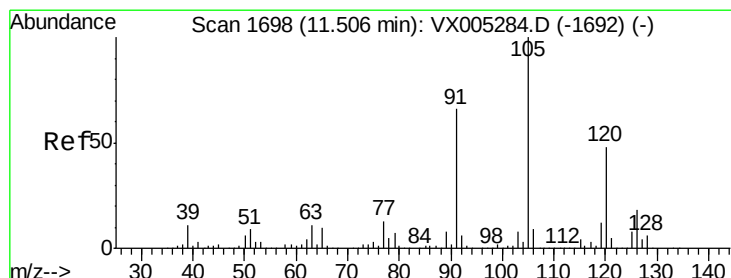
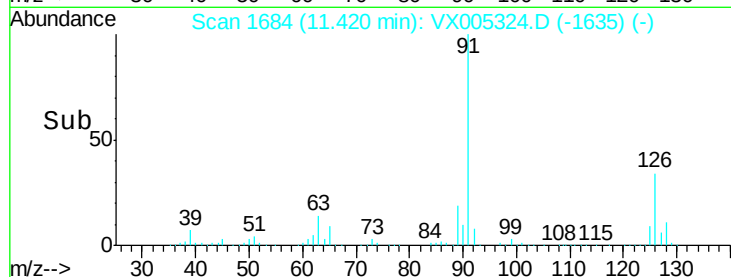
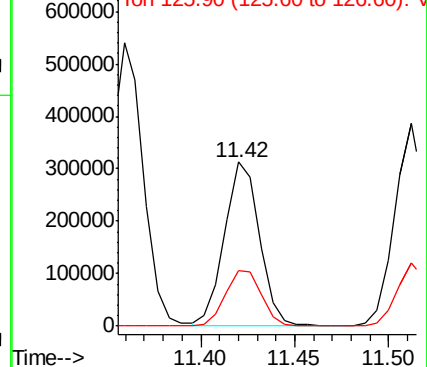
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Abundance Ion 91.00 (90.70 to 91.70): VX005284.D (-1680) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.70 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005324.D

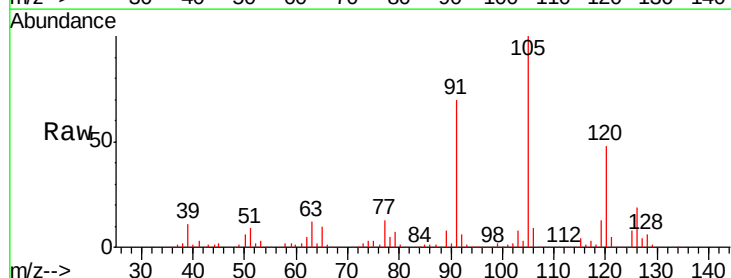
Acq: 13 Oct 2018 05:50

Tgt Ion: 105 Resp: 498112

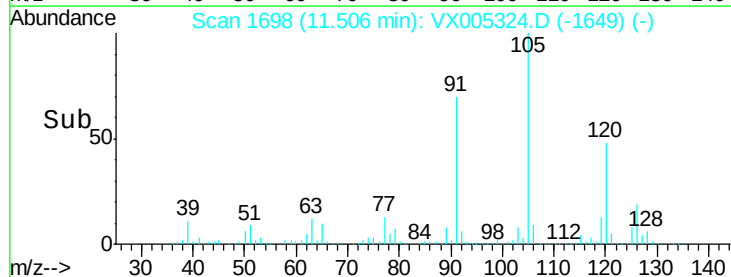
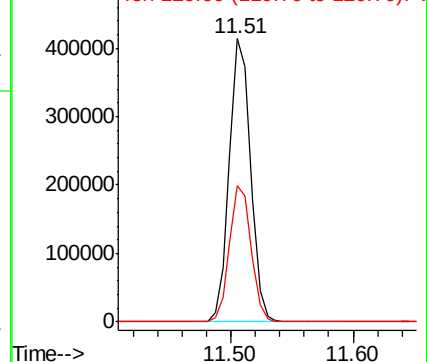
Ion Ratio Lower Upper

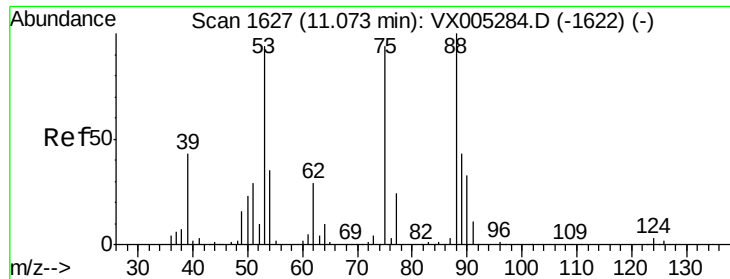
105 100

120 49.0 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX005284.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 43.97 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.01 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Instrument :

MSVOA_X

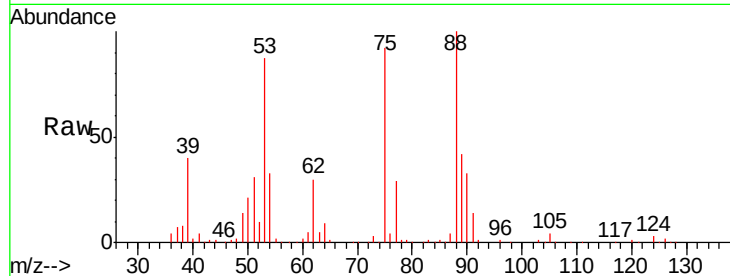
ClientSampleId :

FA18-MMW3414MSD

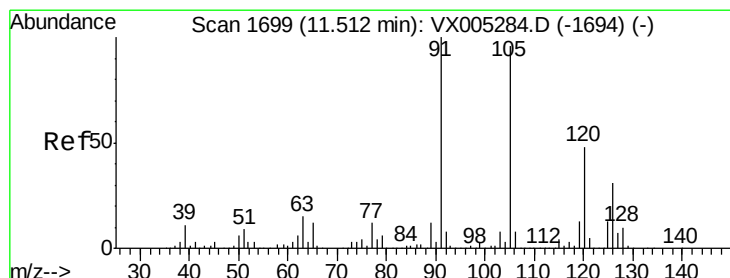
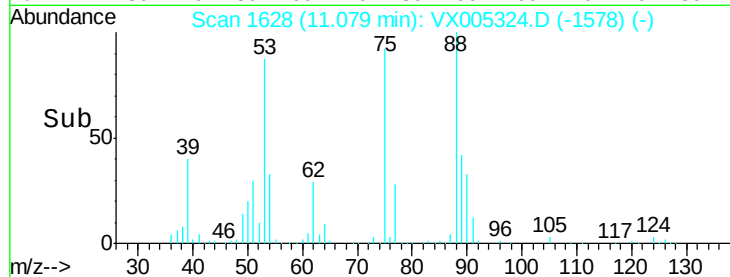
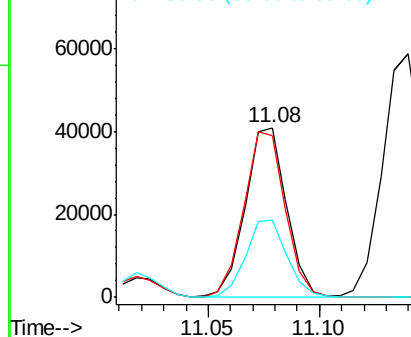
Tgt Ion:	75	Resp:	52122
Ion Ratio	Lower	Upper	
75	100		
53	98.4	80.1	120.1
89	46.9	37.2	55.8

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 51.55 ug/l

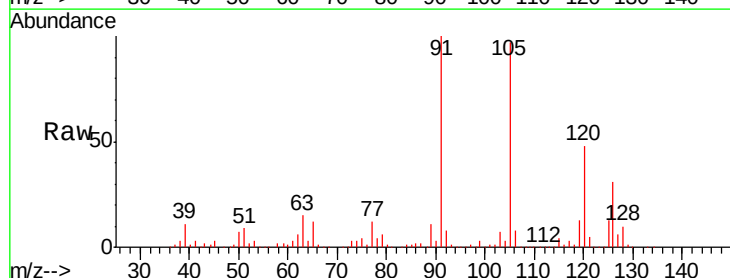
RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

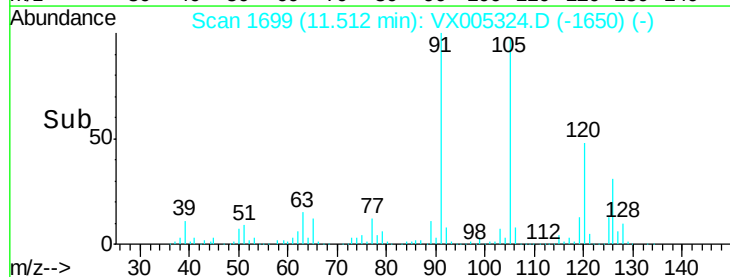
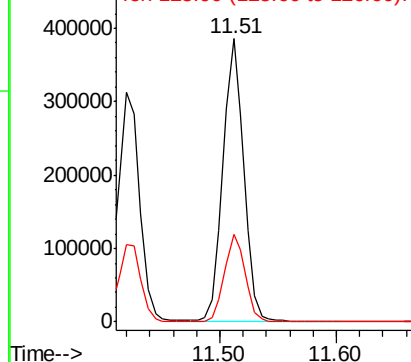
Lab File: VX005324.D

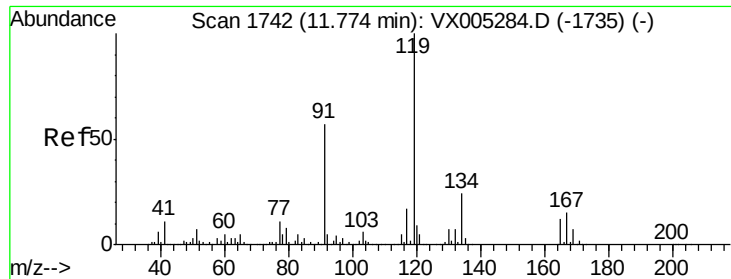
Acq: 13 Oct 2018 05:50

Tgt Ion:	91	Resp:	475366
Ion Ratio	Lower	Upper	
91	100		
126	30.8	15.5	46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





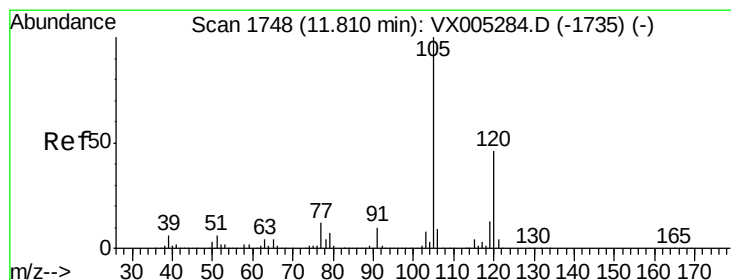
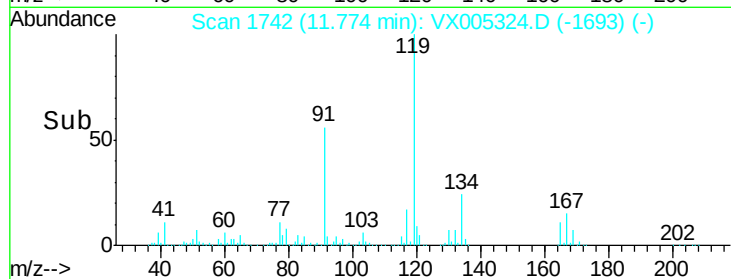
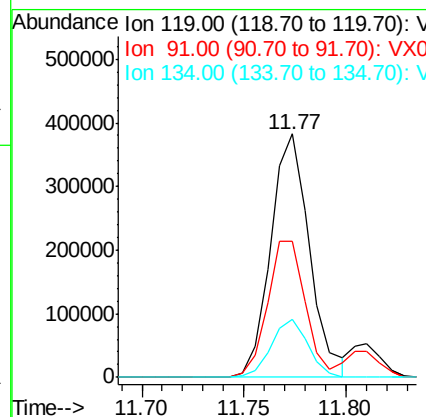
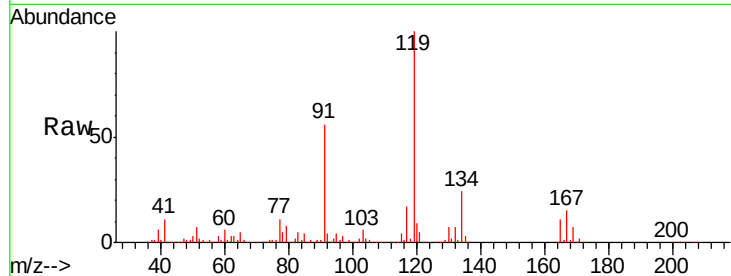
#83
 tert-Butylbenzene
 Concen: 53.03 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005324.D
 Acq: 13 Oct 2018 05:50

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-MMW3414MSD

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	507645		
91	54.7	27.0	81.0	
134	22.9	11.7	35.1	

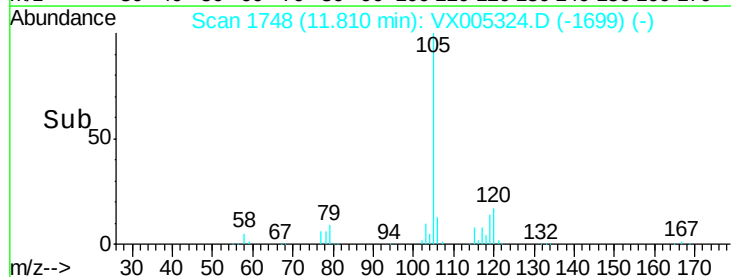
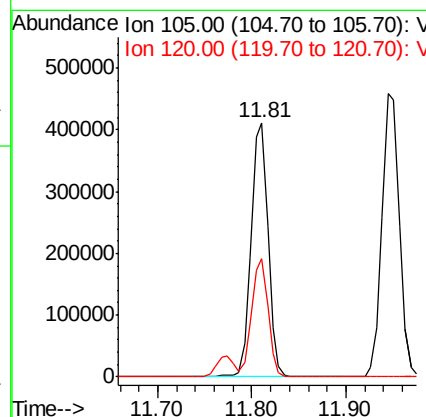
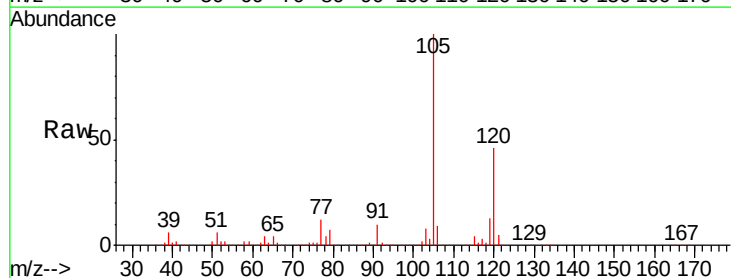
Manual Integrations
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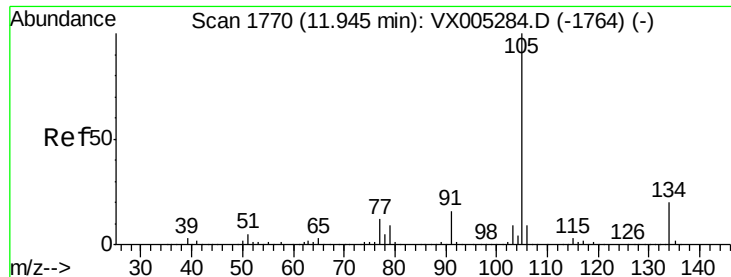
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.14 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005324.D
 Acq: 13 Oct 2018 05:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	516943		
120	45.1	23.2	69.6	





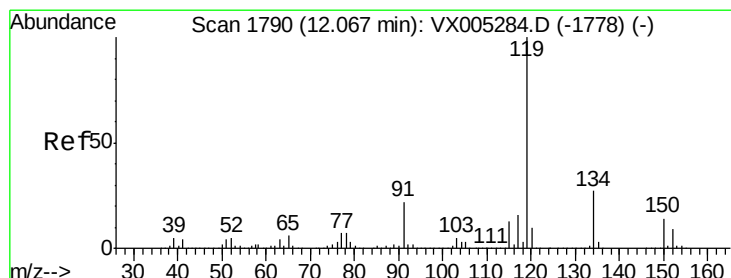
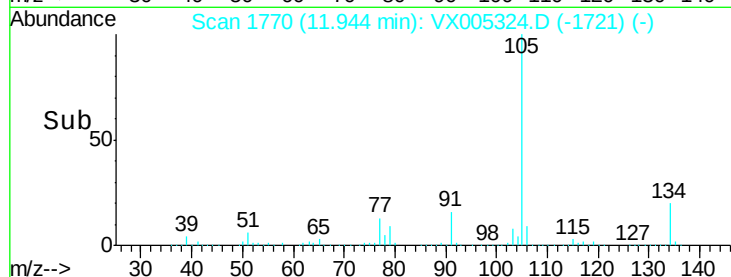
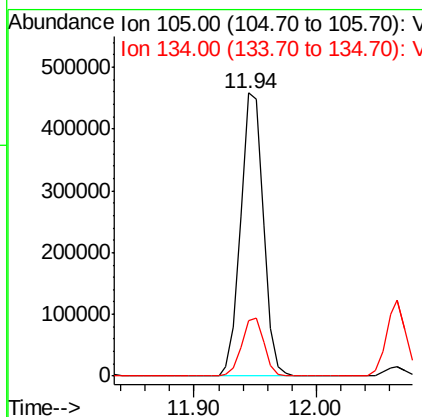
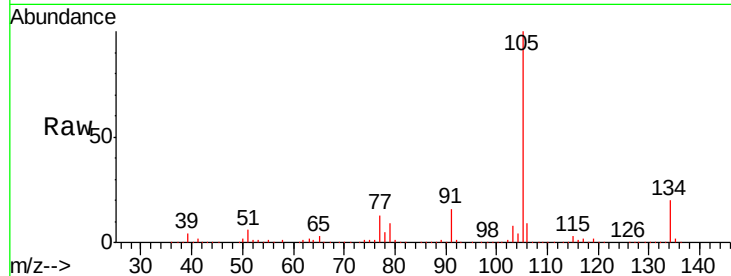
#85
 sec-Butylbenzene
 Concen: 51.75 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005324.D
 Acq: 13 Oct 2018 05:50

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-MMW3414MSD

Tgt Ion:105 Resp: 586211
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.5 31.5

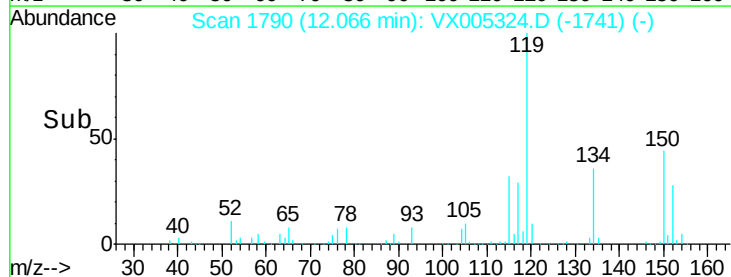
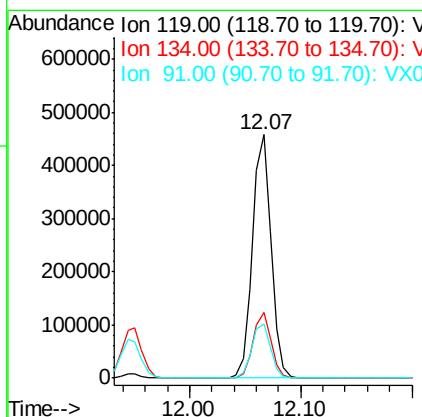
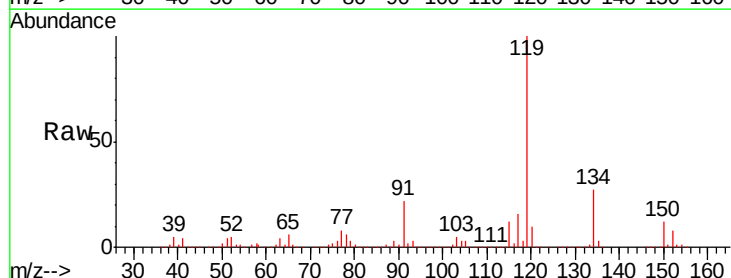
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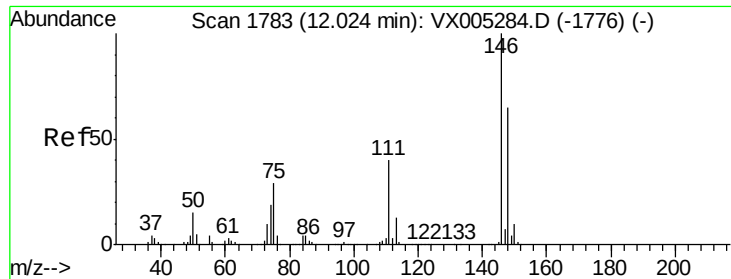
MMDadoda
 10/17/2018 9:06:25 AM



#86
 p-Isopropyltoluene
 Concen: 51.91 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005324.D
 Acq: 13 Oct 2018 05:50

Tgt Ion:119 Resp: 531515
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.4 40.2
 91 22.8 10.9 32.7





#87

1,3-Dichlorobenzene

Concen: 50.49 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. 0.01 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Instrument :

MSVOA_X

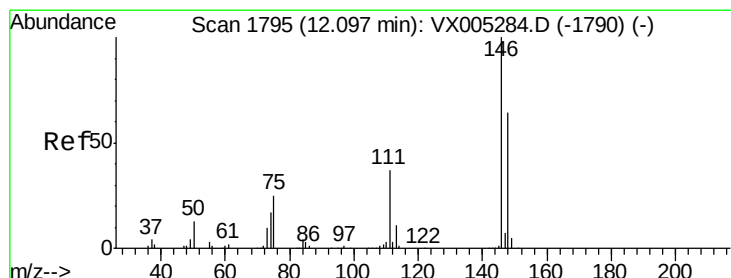
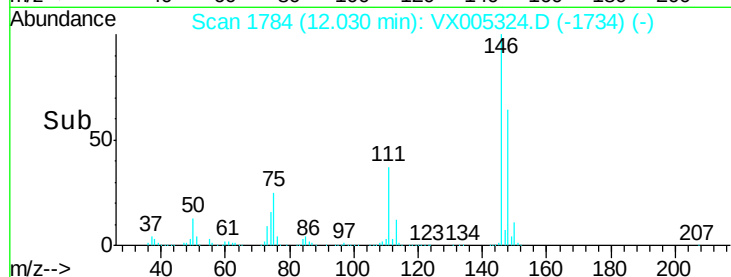
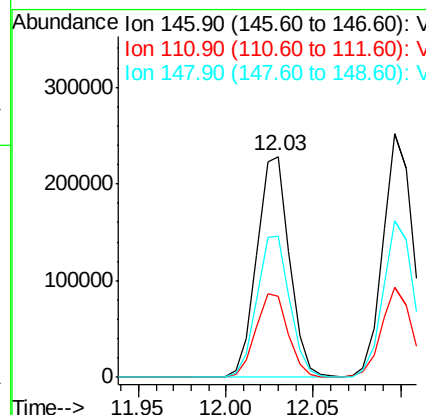
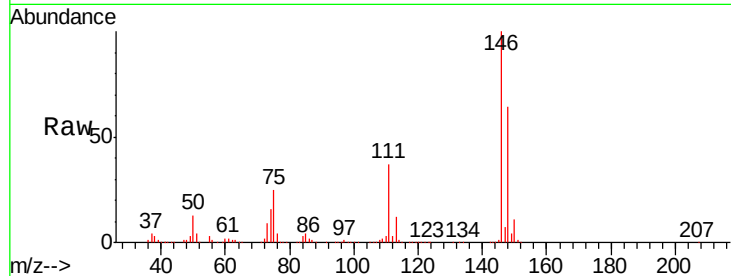
ClientSampleId :

FA18-MMW3414MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.7	56.1
148	64.1	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.13 ug/l

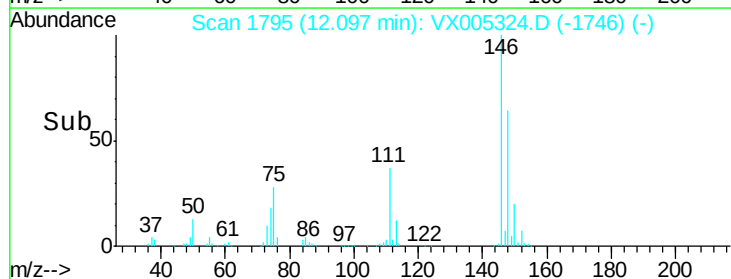
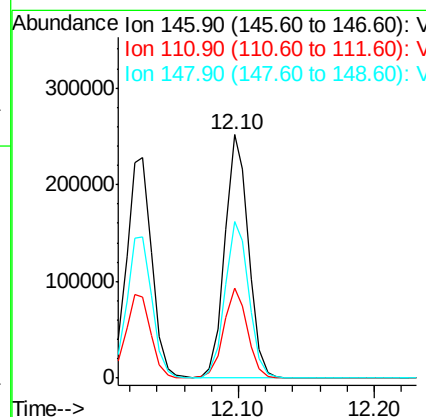
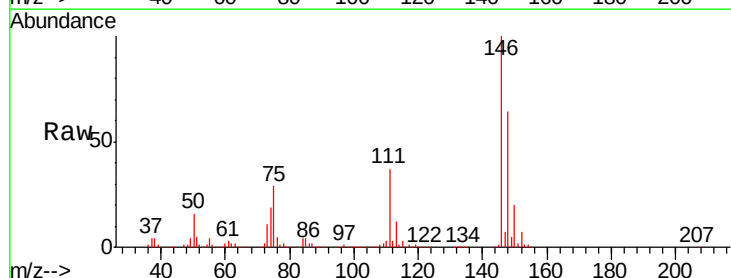
RT: 12.10 min Scan# 1795

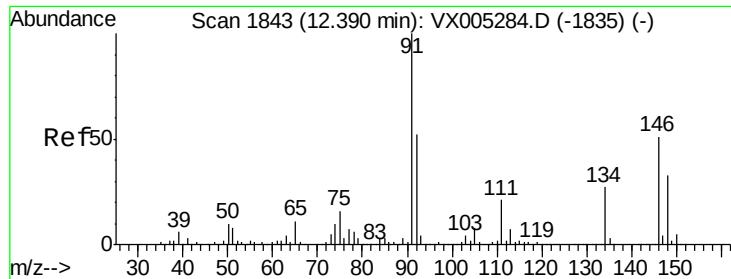
Delta R.T. -0.00 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.1
148	64.8	32.0	96.0





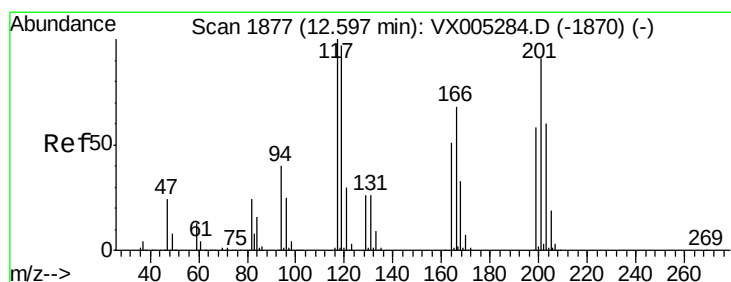
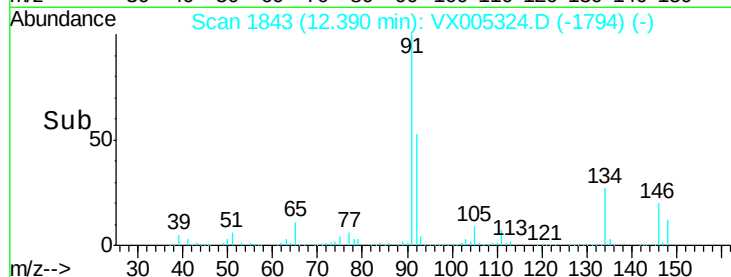
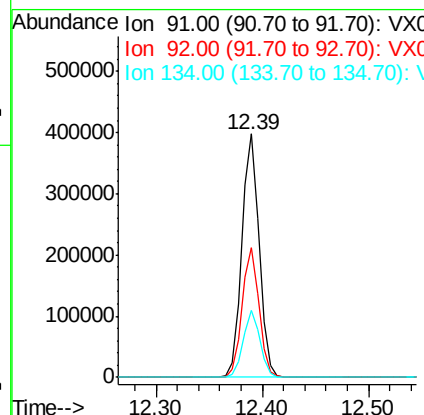
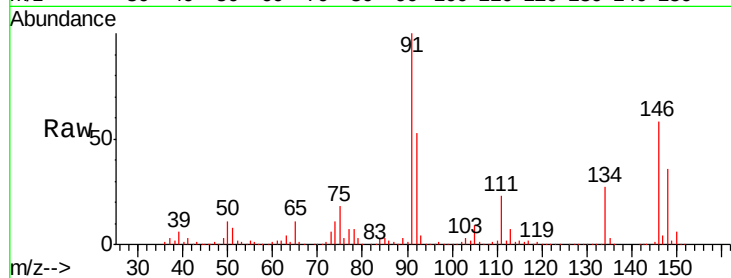
#89
n-Butylbenzene
Concen: 48.72 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Instrument :
MSVOA_X
ClientSampleId :
FA18-MMW3414MSD

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.4	27.3	81.9
134	26.7	13.6	40.7

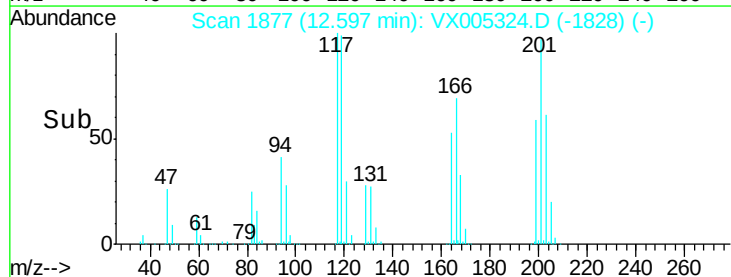
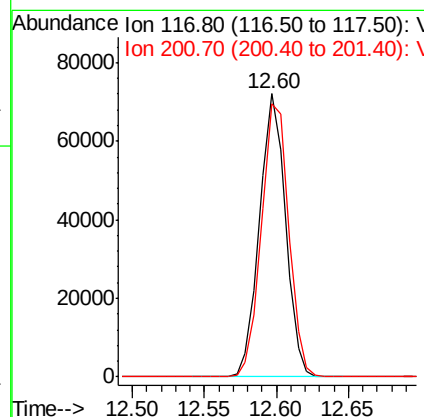
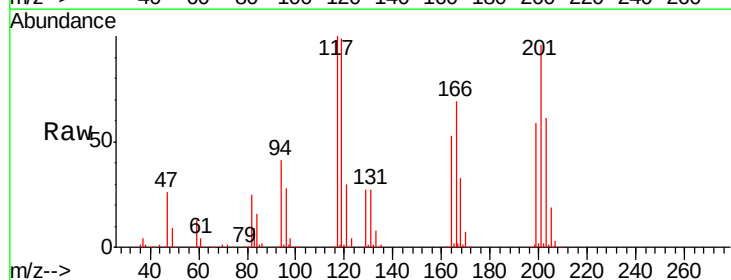
Manual Integrations
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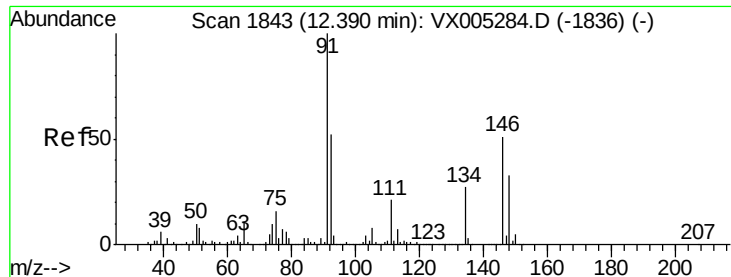
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#90
Hexachloroethane
Concen: 50.63 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005324.D
Acq: 13 Oct 2018 05:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.6	46.9	140.6





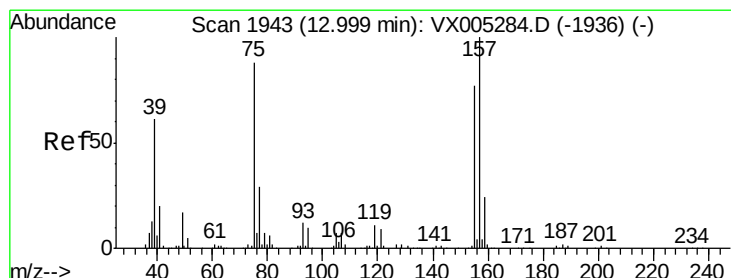
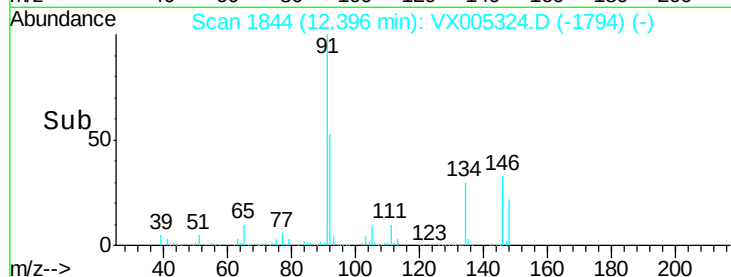
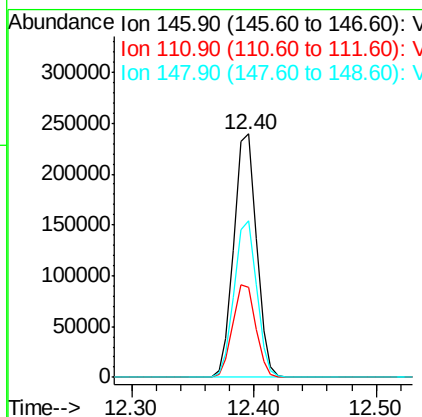
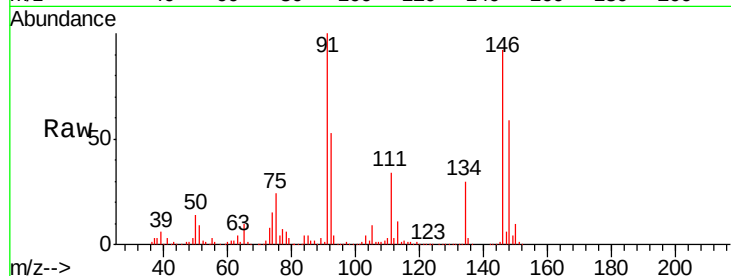
#91
 1,2-Dichlorobenzene
 Concen: 50.97 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: VX005324.D
 Acq: 13 Oct 2018 05:50

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-MMW3414MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.1
148	64.0	32.8	98.3

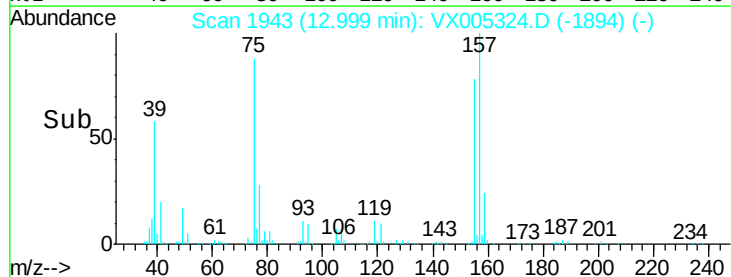
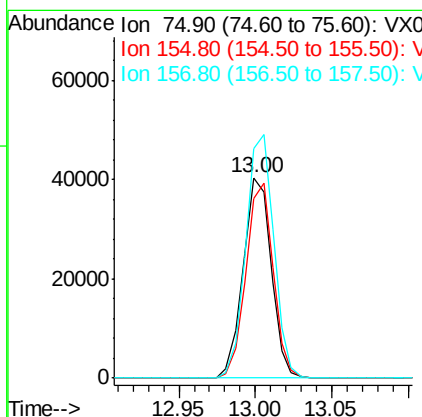
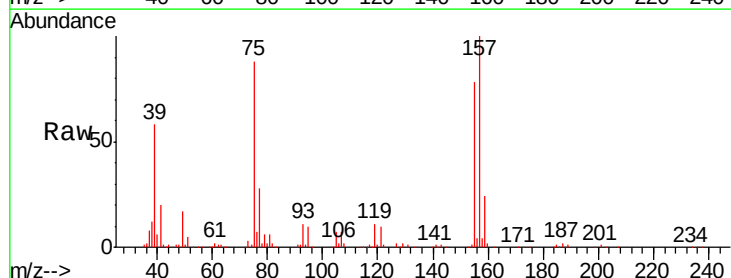
Manual Integrations
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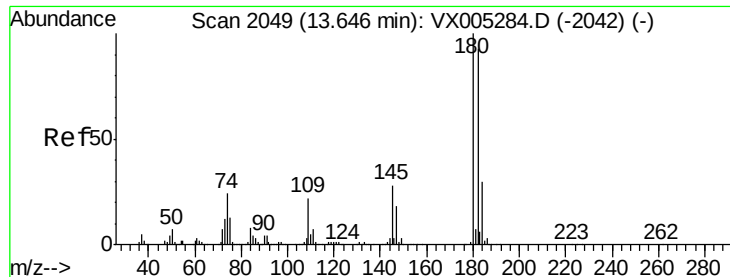
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 10/17/2018 9:06:25 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.87 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005324.D
 Acq: 13 Oct 2018 05:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.1	48.0	144.2
157	120.9	61.4	184.1





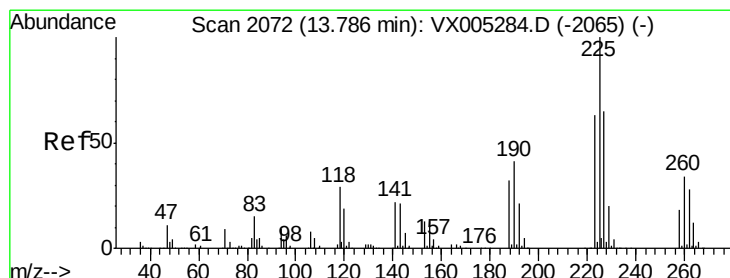
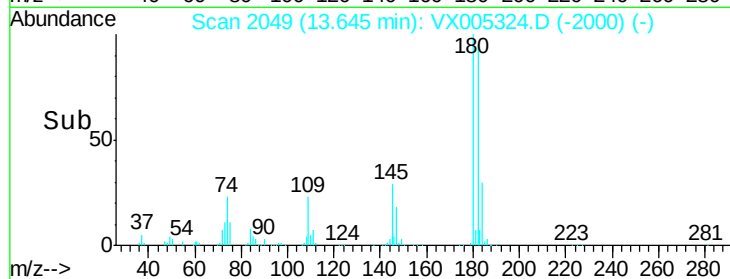
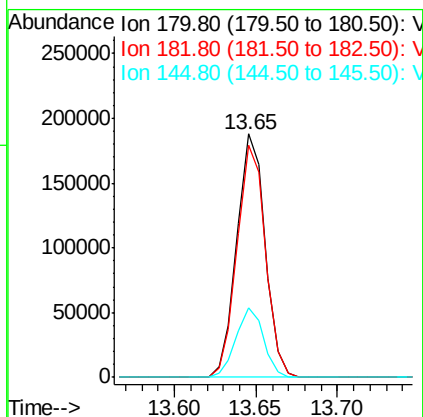
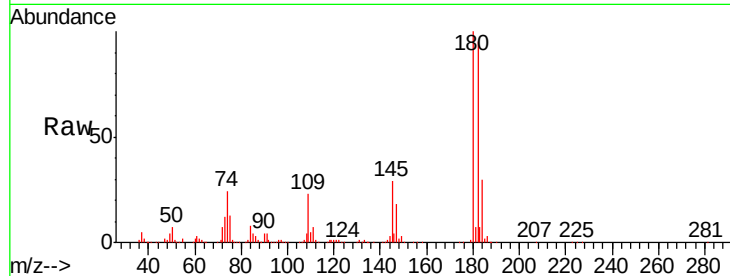
#93
 1,2,4-Trichlorobenzene
 Concen: 51.43 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005324.D
 Acq: 13 Oct 2018 05:50

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-MMW3414MSD

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	227083		
182	95.8	48.4	145.0	
145	28.0	14.3	42.9	

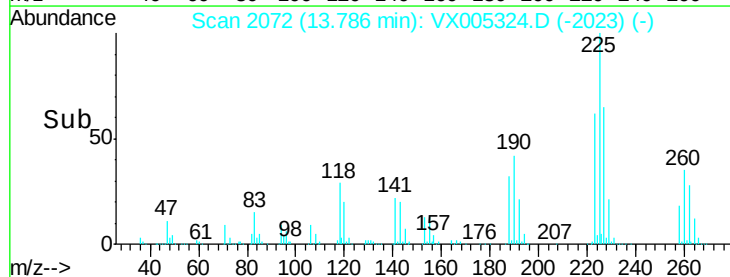
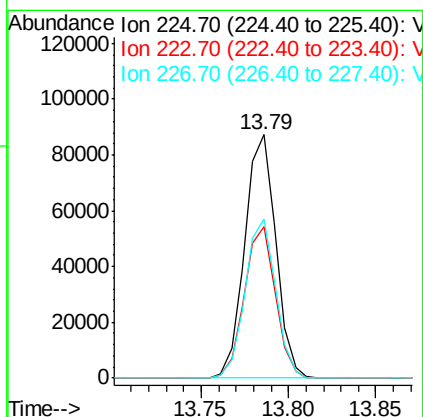
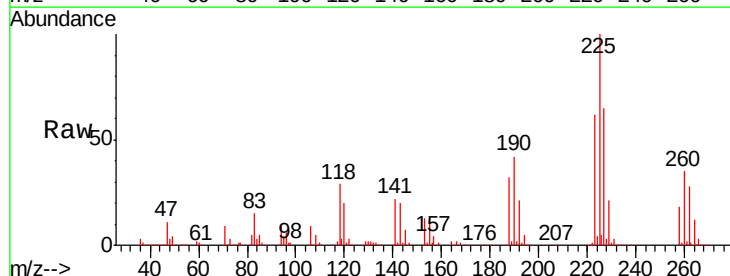
Manual Integrations
 APPROVED

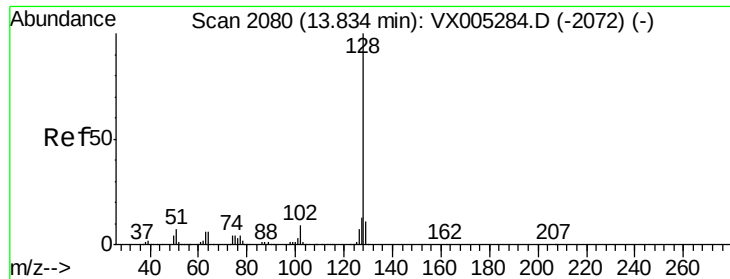
MMDadoda
 10/17/2018 9:06:25 AM



#94
 Hexachlorobutadiene
 Concen: 46.17 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005324.D
 Acq: 13 Oct 2018 05:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	107682		
223	61.9	30.1	90.5	
227	64.3	30.8	92.4	





#95

Naphthalene

Concen: 56.74 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Instrument :

MSVOA_X

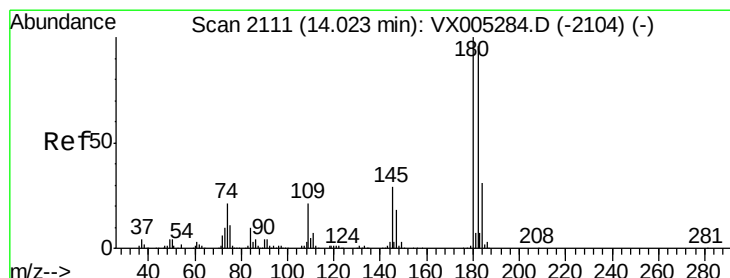
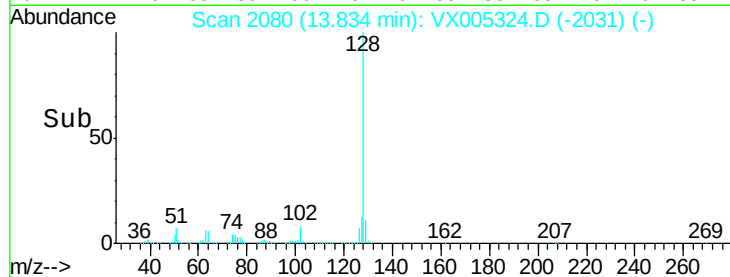
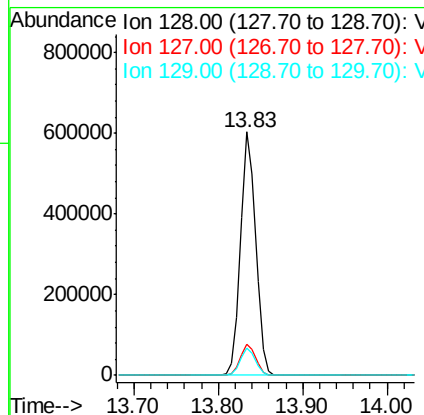
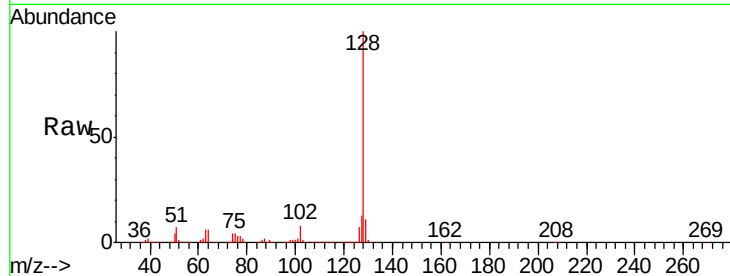
ClientSampleId :

FA18-MMW3414MSD

Tgt Ion:	128	Resp:	726530
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:06:25 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.41 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX005324.D

Acq: 13 Oct 2018 05:50

Tgt Ion:	180	Resp:	236770
Ion Ratio	Lower	Upper	
180	100		
182	95.5	48.5	145.6
145	29.2	14.9	44.9

