

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052518\
 Data File : VX001992.D
 Acq On : 25 May 2018 22:49
 Operator : JC/MD
 Sample : VX0525WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0525WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/29/2018 4:39:24 PM

Quant Time: May 26 04:06:18 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	267005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	378943	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	348070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	224281	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	228695	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
35) Dibromofluoromethane	5.51	113	178356	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
50) Toluene-d8	8.72	98	658023	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
62) 4-Bromofluorobenzene	11.14	95	247790	46.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	67611	18.972	ug/l	100
3) Chloromethane	1.32	50	80703	19.645	ug/l	100
4) Vinyl Chloride	1.40	62	82531	20.806	ug/l	100
5) Bromomethane	1.64	94	41846	22.387	ug/l	98
6) Chloroethane	1.73	64	53709	22.969	ug/l	100
7) Trichlorofluoromethane	1.93	101	129205	21.690	ug/l	97
8) Diethyl Ether	2.19	74	48689	22.527	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	71288	21.446	ug/l	98
10) Methyl Iodide	2.51	142	74796	16.630	ug/l	99
11) Tert butyl alcohol	3.09	59	113417	121.062	ug/l	99
12) 1,1-Dichloroethene	2.37	96	66590	21.397	ug/l	96
13) Acrolein	2.30	56	33667	83.116	ug/l	96
14) Allyl chloride	2.73	41	140687	21.536	ug/l	99
15) Acrylonitrile	3.15	53	215391	111.803	ug/l	100
16) Acetone	2.45	43	203204	110.321	ug/l	99
17) Carbon Disulfide	2.57	76	186029	20.769	ug/l	99
18) Methyl Acetate	2.78	43	109647	24.122	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	259767	22.192	ug/l	98
20) Methylene Chloride	2.86	84	76497	23.089	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	70624	22.438	ug/l	97
22) Diisopropyl ether	3.88	45	270505	20.357	ug/l	99
23) Vinyl Acetate	3.83	43	1188011	107.832	ug/l	98
24) 1,1-Dichloroethane	3.70	63	135766	21.509	ug/l	99
25) 2-Butanone	4.71	43	332773	98.572	ug/l	100
26) 2,2-Dichloropropane	4.59	77	94184	14.742	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	80311	19.790	ug/l	99
28) Bromochloromethane	5.03	49	61843	22.179	ug/l	99
29) Tetrahydrofuran	5.17	42	216478	98.558	ug/l	99
30) Chloroform	5.22	83	138258	19.442	ug/l	97
31) Cyclohexane	5.58	56	125667	19.109	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	129352	19.511	ug/l	99
36) 1,1-Dichloropropene	5.81	75	98453	18.678	ug/l	99
37) Ethyl Acetate	4.87	43	129645	18.866	ug/l	99
38) Carbon Tetrachloride	5.79	117	116594	18.969	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	122255	18.879	ug/l	99
40) Benzene	6.15	78	304023	19.688	ug/l	99
41) Methacrylonitrile	5.07	41	74601	19.749	ug/l	98
42) 1,2-Dichloroethane	6.20	62	118409	19.196	ug/l	99
43) Isopropyl Acetate	6.47	43	222614	19.442	ug/l	100
44) Trichloroethene	7.22	130	85432	18.985	ug/l	98
45) 1,2-Dichloropropane	7.52	63	82897	19.767	ug/l	100
46) Dibromomethane	7.67	93	53656	19.325	ug/l	99
47) Bromodichloromethane	7.90	83	109900	18.564	ug/l	98
48) Methyl methacrylate	7.78	41	110287	18.925	ug/l	99
49) 1,4-Dioxane	7.76	88	41828	407.317	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	692631	100.350	ug/l	99
52) Toluene	8.79	92	189596	19.292	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	125244	18.368	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	120866	18.191	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	78295	19.071	ug/l	99
56) Ethyl methacrylate	9.19	69	132097	18.707	ug/l	98
57) 1,3-Dichloropropane	9.38	76	131378	19.425	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	318309	101.701	ug/l	99
59) 2-Hexanone	9.50	43	536384	100.786	ug/l	99
60) Dibromochloromethane	9.59	129	90594	18.630	ug/l	100
61) 1,2-Dibromoethane	9.68	107	83770	19.446	ug/l	99
64) Tetrachloroethene	9.34	164	96623	19.361	ug/l	99
65) Chlorobenzene	10.15	112	211532	19.182	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	84592	18.996	ug/l	100
67) Ethyl Benzene	10.26	91	373459	19.492	ug/l	98
68) m/p-Xylenes	10.37	106	281938	38.494	ug/l	100
69) o-Xylene	10.70	106	141238	19.313	ug/l	100
70) Styrene	10.72	104	232046	19.133	ug/l	100
71) Bromoform	10.87	173	74956	17.752	ug/l #	100
73) Isopropylbenzene	11.02	105	381584	20.092	ug/l	98
74) N-amyl acetate	6.47	43	222614	20.749	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	113542	21.127	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	118718m	22.037	ug/l	
77) Bromobenzene	11.26	156	99602	19.766	ug/l	99
78) n-propylbenzene	11.37	91	419980	19.744	ug/l	99
79) 2-Chlorotoluene	11.43	91	253533	20.361	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	316093	19.475	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	35411	15.798	ug/l	95
82) 4-Chlorotoluene	11.52	91	292596	19.503	ug/l	99
83) tert-Butylbenzene	11.77	119	321626	20.194	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	326600	19.472	ug/l	100
85) sec-Butylbenzene	11.95	105	376326	19.656	ug/l	99
86) p-Isopropyltoluene	12.07	119	332295	19.396	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	172049	19.065	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	175917	19.499	ug/l	99
89) n-Butylbenzene	12.40	91	274399	18.902	ug/l	100
90) Hexachloroethane	12.60	117	60782	17.986	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	179315	19.502	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	30364	17.982	ug/l	97

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	123354	18.762	ug/l	99
94) Hexachlorobutadiene	13.79	225	66552	18.817	ug/l	99
95) Naphthalene	13.84	128	403155	19.903	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	132436	19.467	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBS02

Tot Ion:168 Resp: 267005

Ion Ratio Lower Upper

168 100

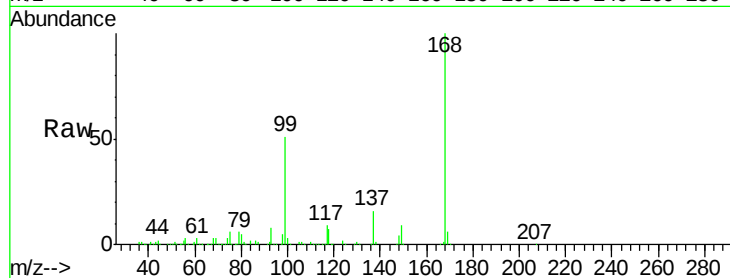
99 50.7 41.0 61.4

Manual Integrations

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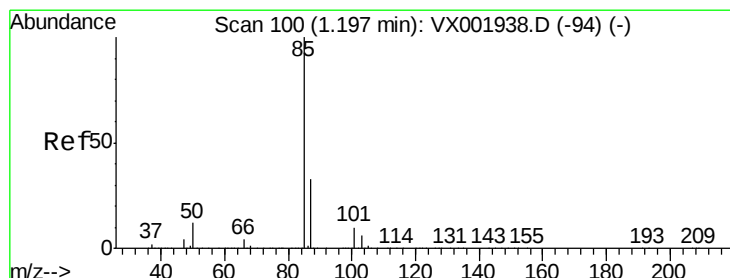
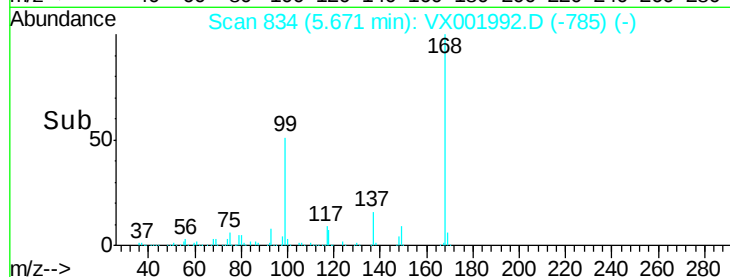
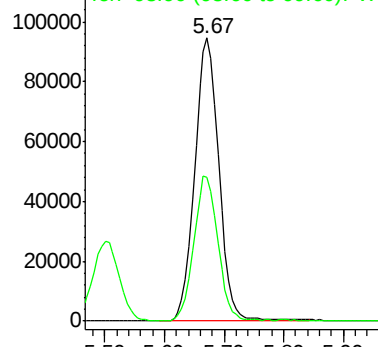
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.972 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001992.D

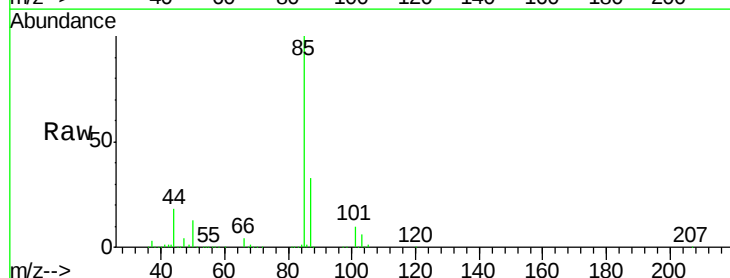
Acq: 25 May 2018 22:49

Tgt Ion: 85 Resp: 67611

Ion Ratio Lower Upper

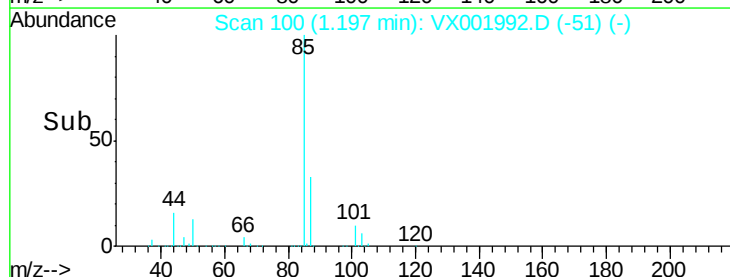
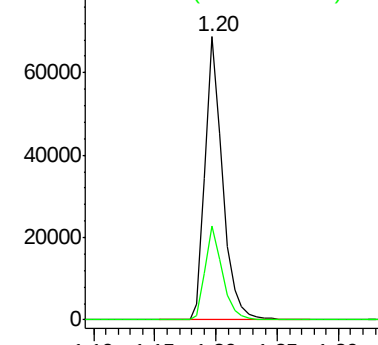
85 100

87 33.1 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.645 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBS02

Tot Ion: 50 Resp: 80703

Ion Ratio Lower Upper

50 100

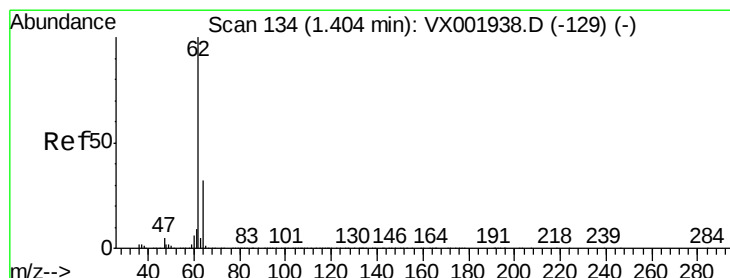
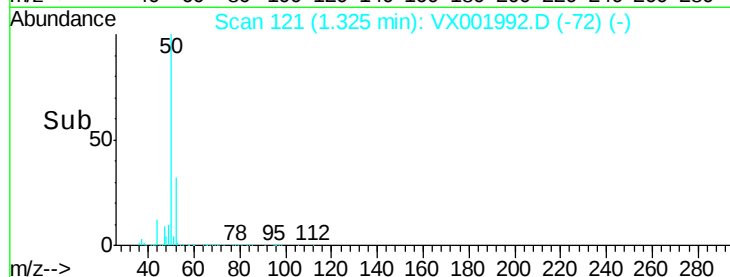
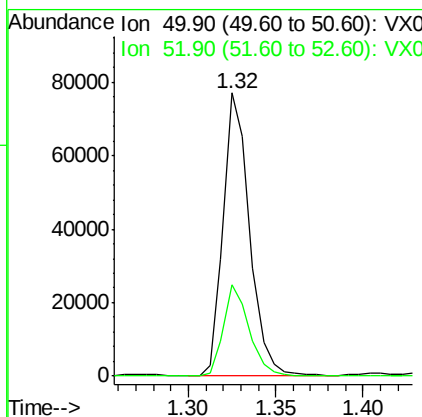
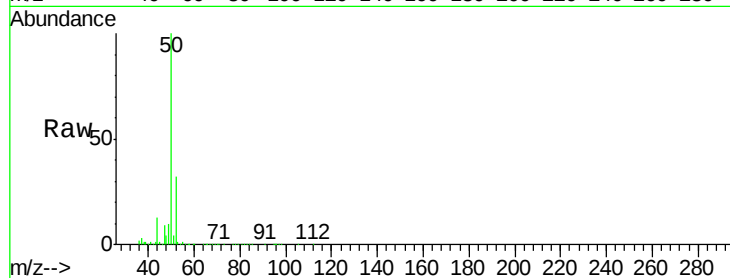
52 32.3 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.806 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001992.D

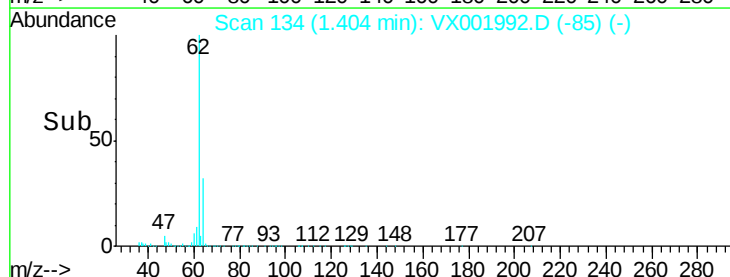
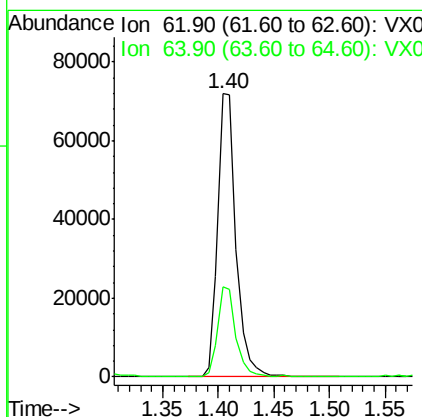
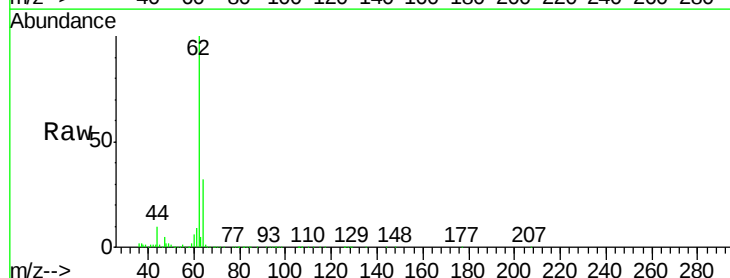
Acq: 25 May 2018 22:49

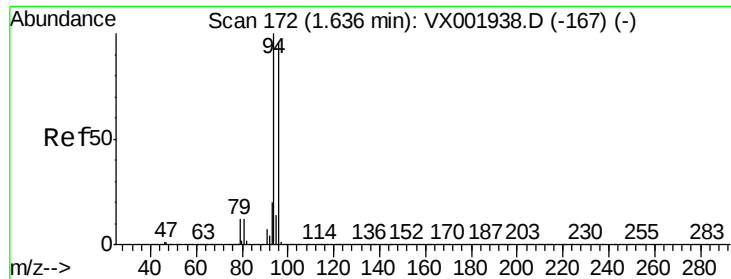
Tgt Ion: 62 Resp: 82531

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.0





#5

Bromomethane

Concen: 22.387 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBS02

Tot Ion: 94 Resp: 41846

Ion Ratio Lower Upper

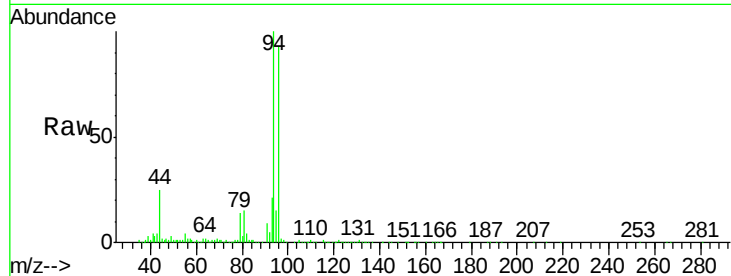
94 100

96 92.5 75.9 113.9

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

30000

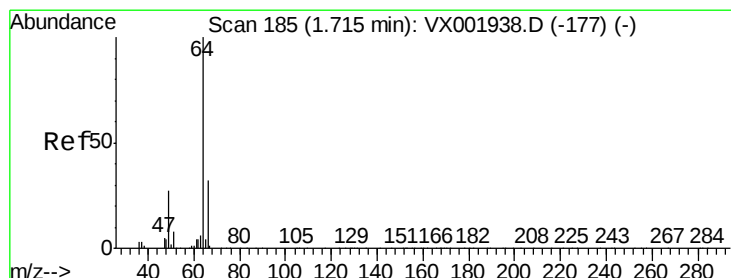
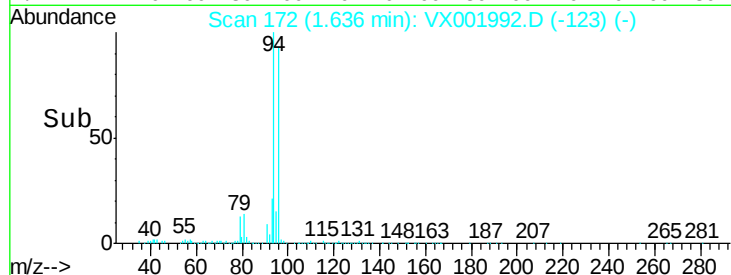
20000

10000

0

1.60 1.70 1.80

Time-->



#6

Chloroethane

Concen: 22.969 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001992.D

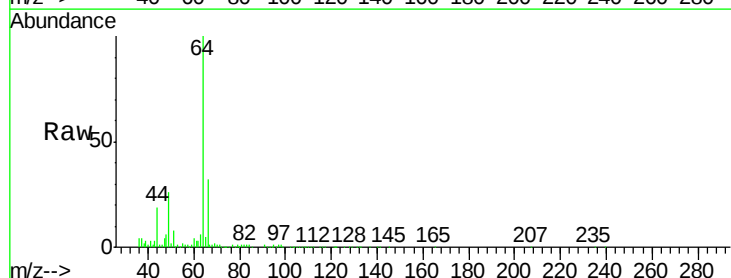
Acq: 25 May 2018 22:49

Tgt Ion: 64 Resp: 53709

Ion Ratio Lower Upper

64 100

66 32.3 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

40000

30000

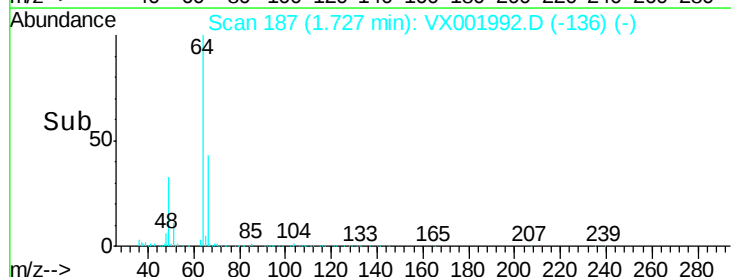
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10000

0

1.65 1.70 1.75 1.80

Time-->





#7

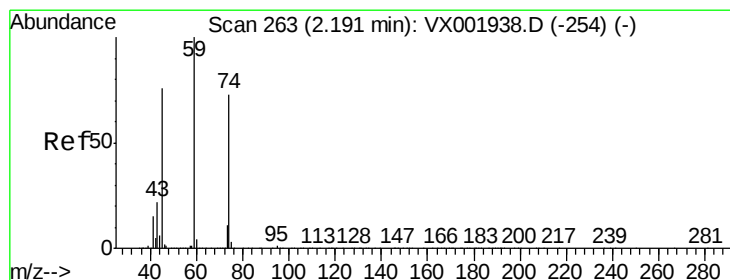
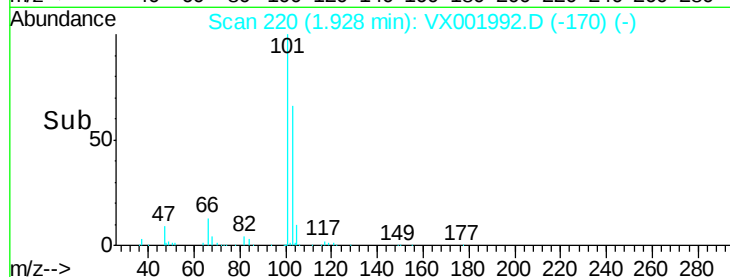
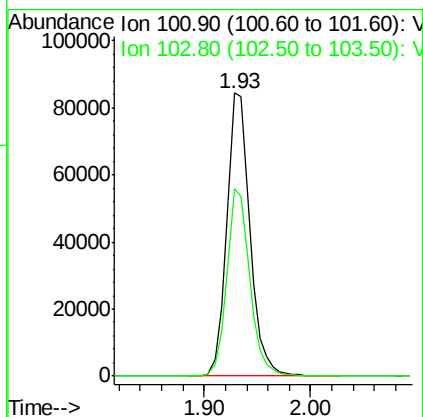
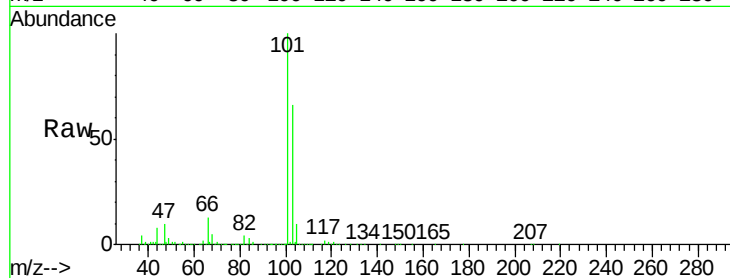
Trichlorofluoromethane
Concen: 21.690 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX001992.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	51.4	77.0

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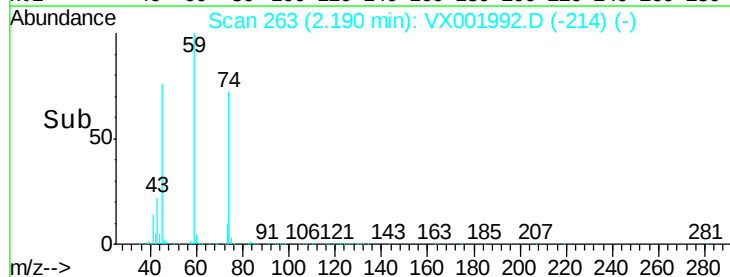
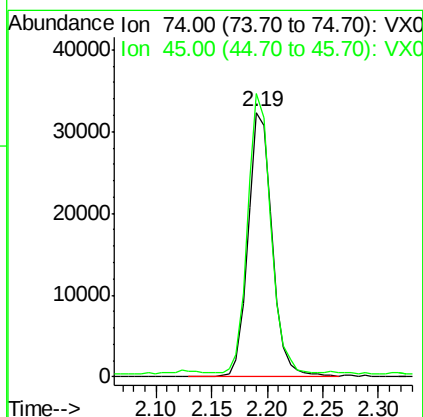
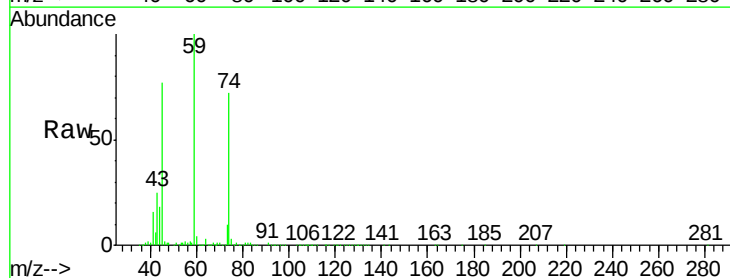
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#8

Diethyl Ether
Concen: 22.527 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX001992.D
Acq: 25 May 2018 22:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.3	51.5	154.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.446 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Instrument :

MSVOA_X

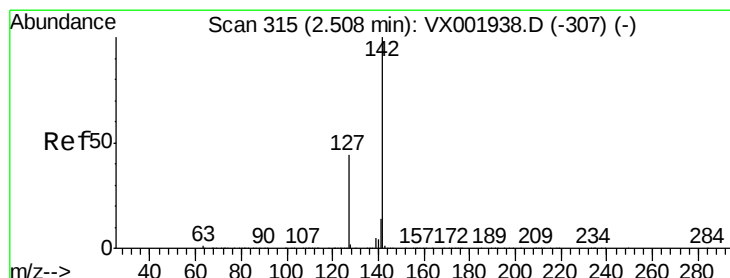
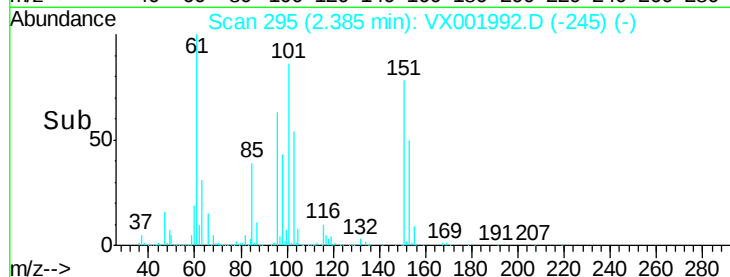
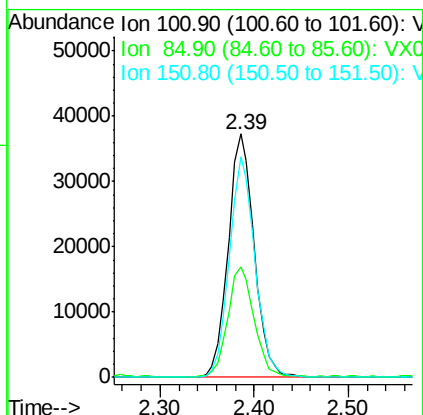
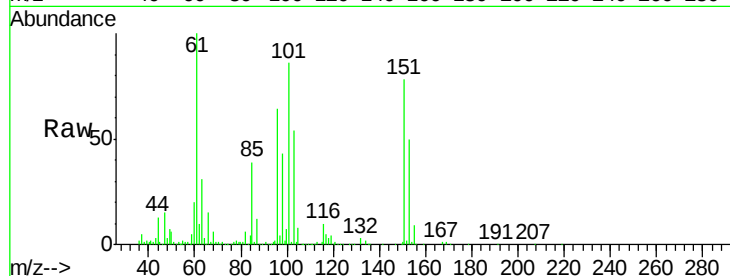
ClientSampleId :

VX0525WBS02

Tot Ion:	101	Resp:	71288
Ion Ratio	Lower	Upper	
101	100		
85	45.4	35.6	53.4
151	89.1	73.2	109.8

Manual Integrations
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#10

Methyl Iodide

Concen: 16.630 ug/l

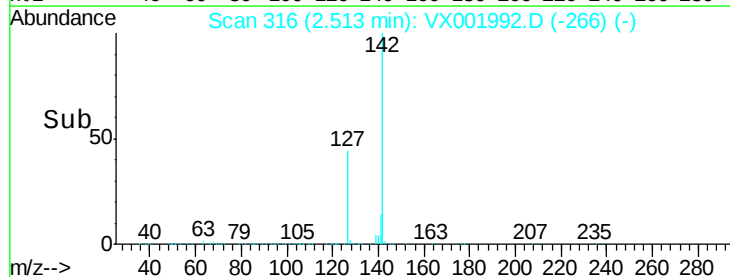
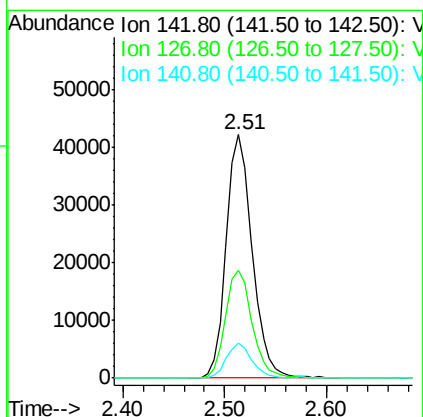
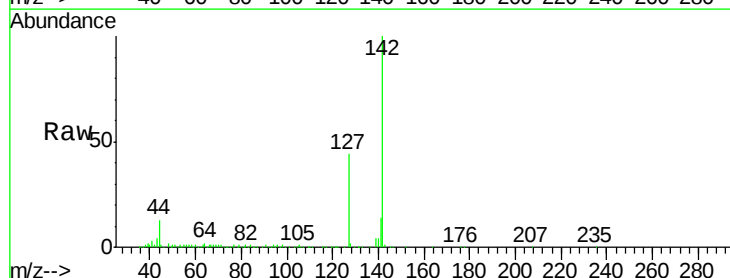
RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Tgt Ion:	142	Resp:	74796
Ion Ratio	Lower	Upper	
142	100		
127	45.4	35.5	53.3
141	13.7	11.3	16.9





#11

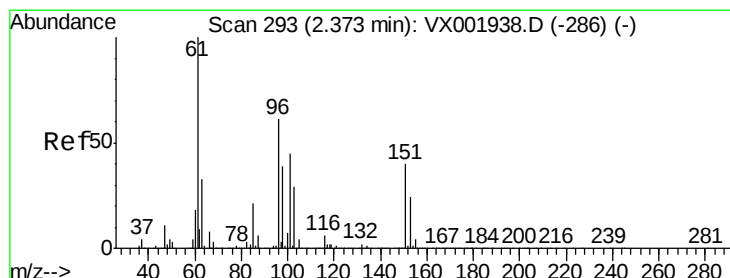
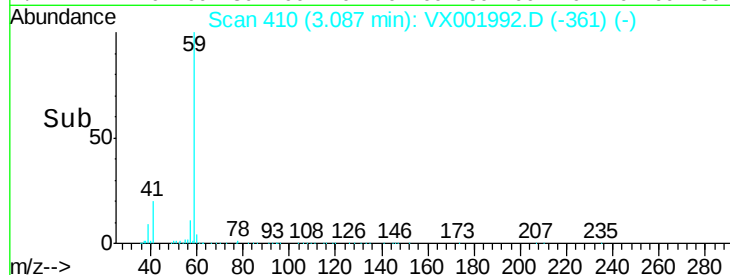
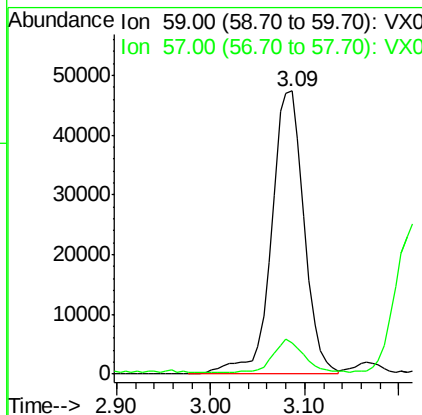
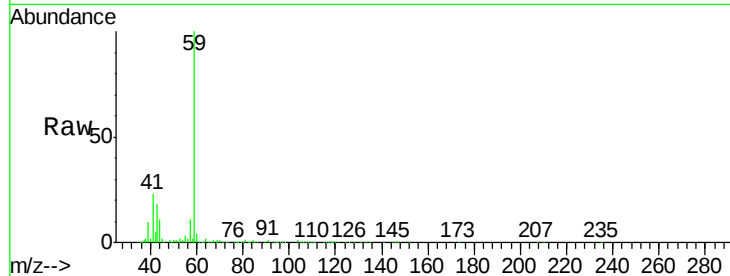
Tert butyl alcohol
Concen: 121.062 ug/l
RT: 3.09 min Scan# 410
Delta R.T. -0.00 min
Lab File: VX001992.D
Acq: 25 May 2018 22:49

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100			
57	57	10.8	8.9	13.3	

Manual Integrations
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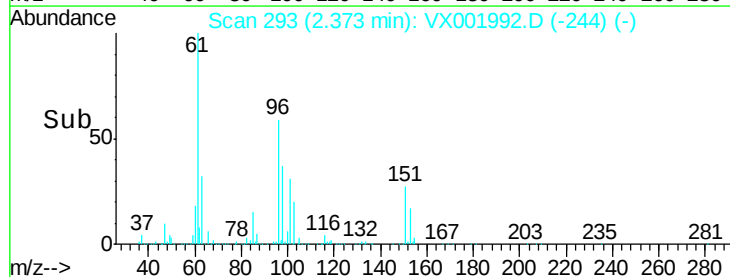
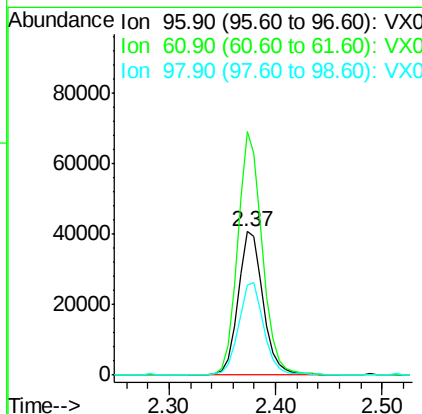
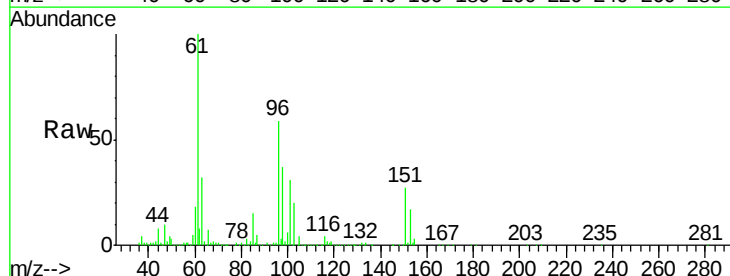
MMDadoda
5/29/2018 4:39:24 PM



#12

1,1-Dichloroethene
Concen: 21.397 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX001992.D
Acq: 25 May 2018 22:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100			
61	61	170.2	131.7	197.5	
98	98	62.4	51.6	77.4	





#13

Acrolein

Concen: 83.116 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBS02

Tot Ion: 56 Resp: 33667

Ion Ratio Lower Upper

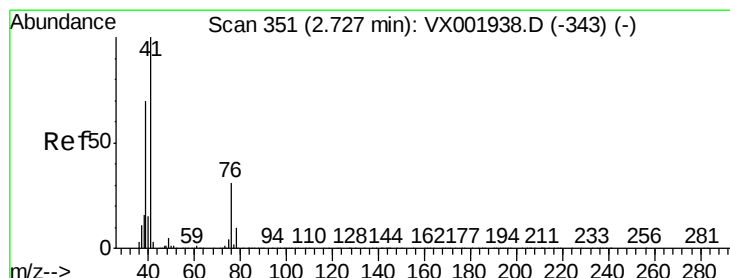
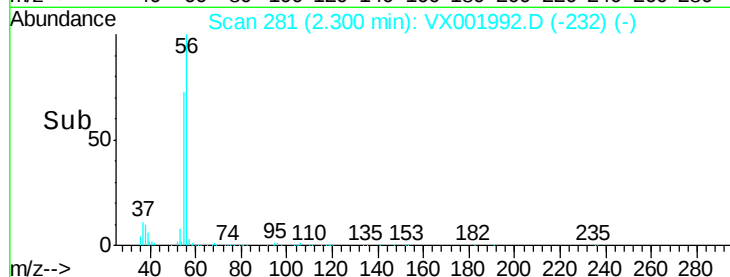
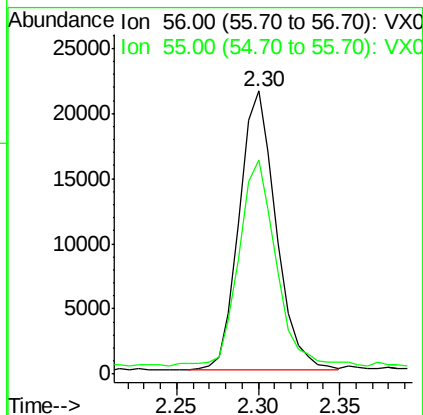
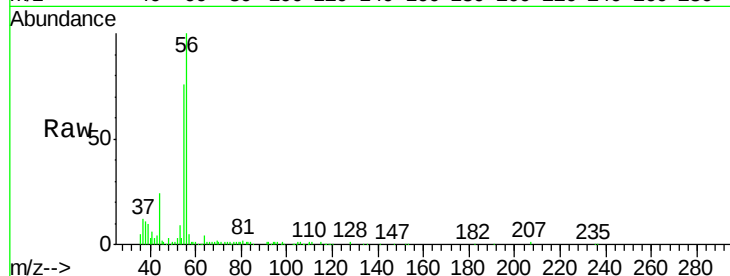
56 100

55 74.6 56.8 85.2

Manual Integrations
APPROVED

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#14

Allyl chloride

Concen: 21.536 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

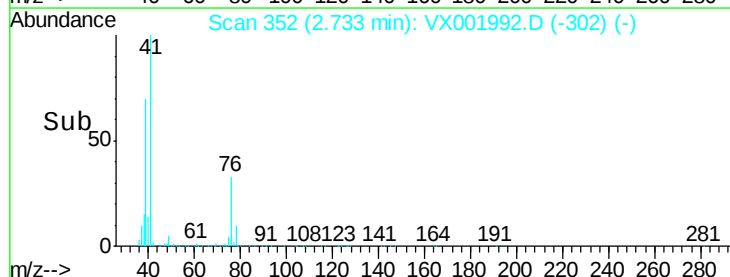
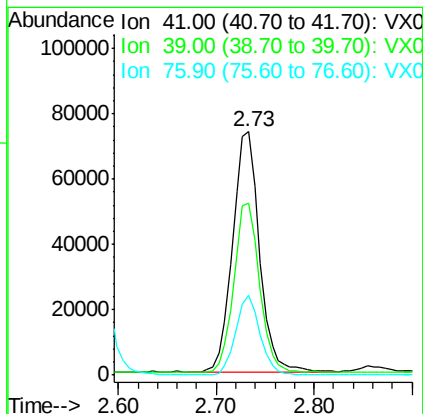
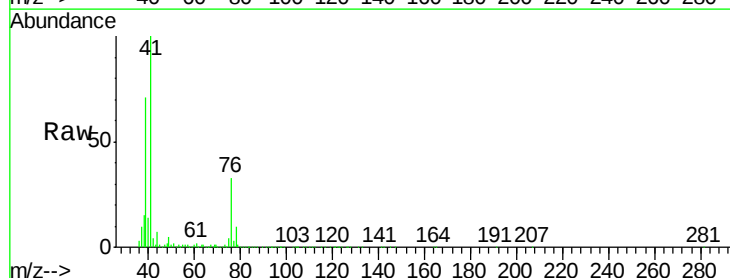
Tgt Ion: 41 Resp: 140687

Ion Ratio Lower Upper

41 100

39 67.4 54.3 81.5

76 29.8 24.2 36.4





#15

Acrylonitrile

Concen: 111.803 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Instrument :

MSVOA_X

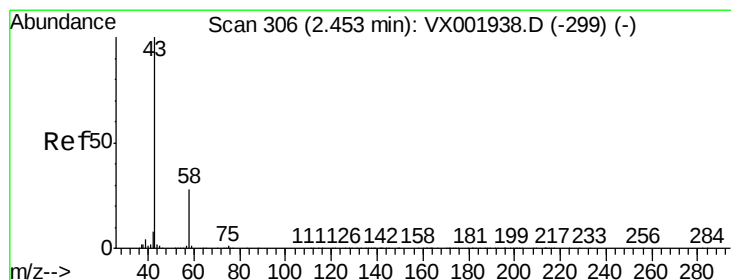
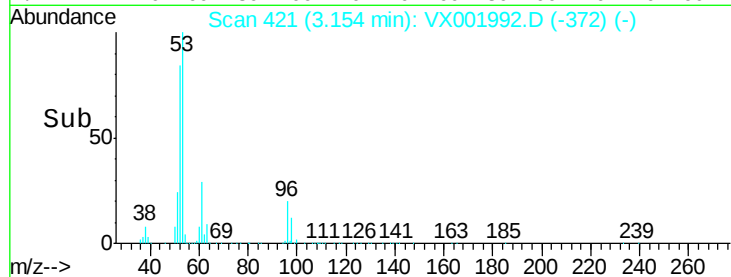
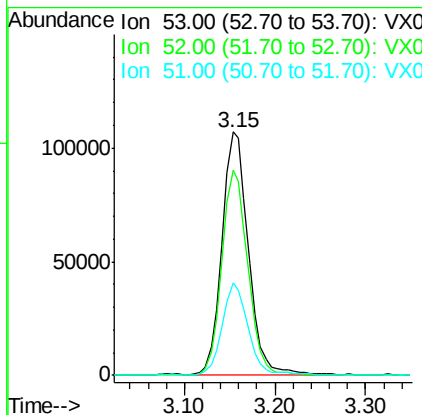
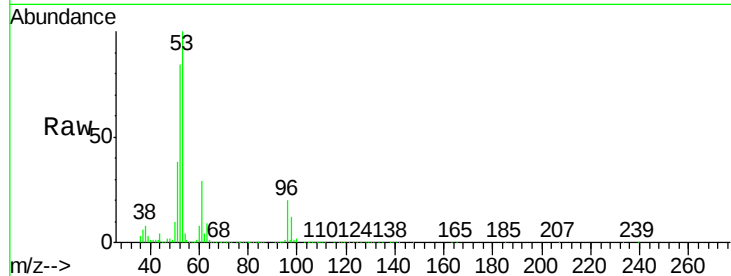
ClientSampleId :

VX0525WBS02

Tot Ion:	53	Resp:	215391
Ion Ratio		Lower	Upper
53	100		
52	83.0	66.4	99.6
51	37.2	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 110.321 ug/l

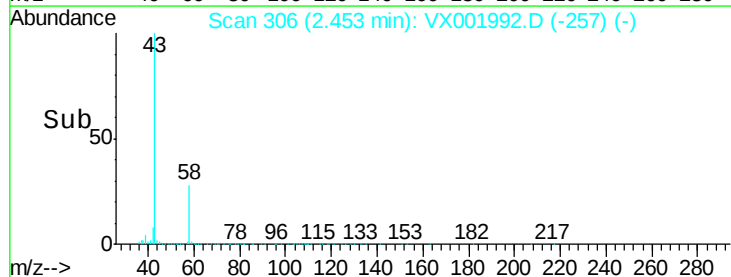
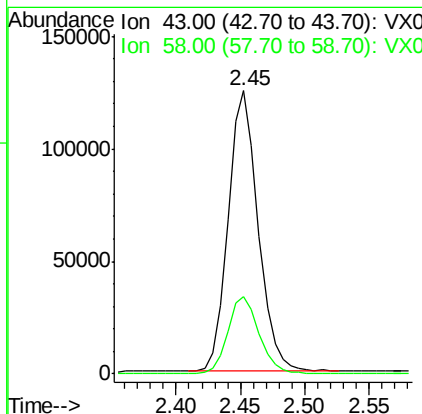
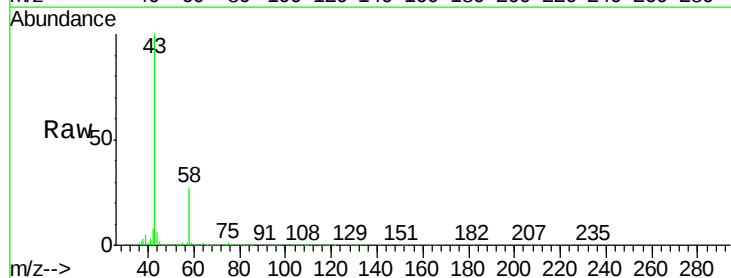
RT: 2.45 min Scan# 306

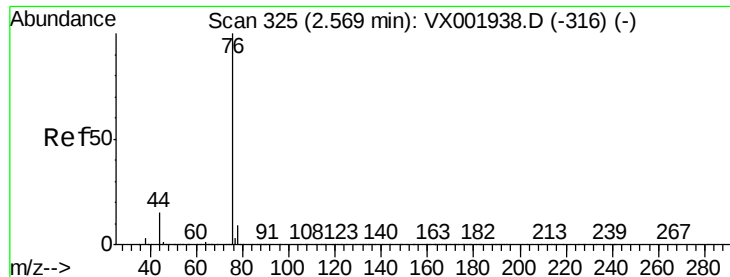
Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Tgt Ion:	43	Resp:	203204
Ion Ratio		Lower	Upper
43	100		
58	27.5	22.3	33.5





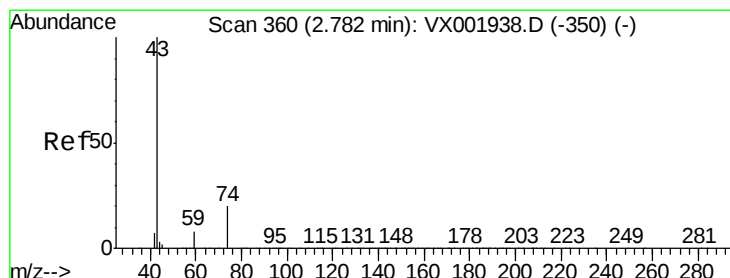
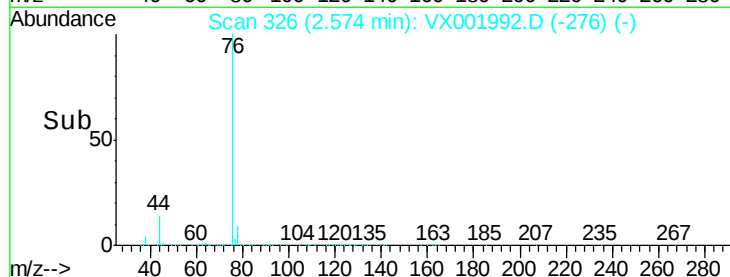
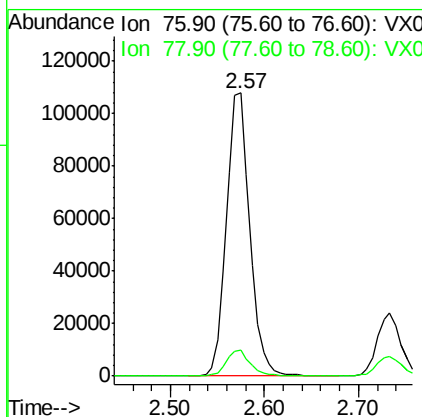
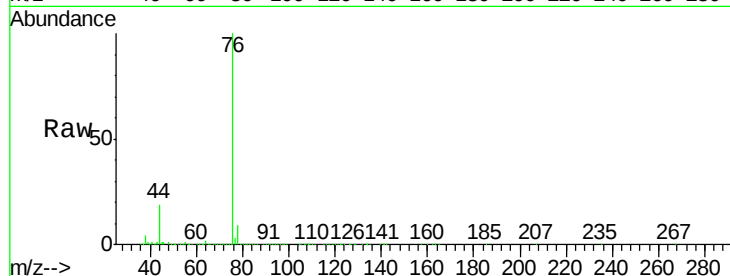
#17
Carbon Disulfide
Concen: 20.769 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX001992.D
Acq: 25 May 2018 22:49

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

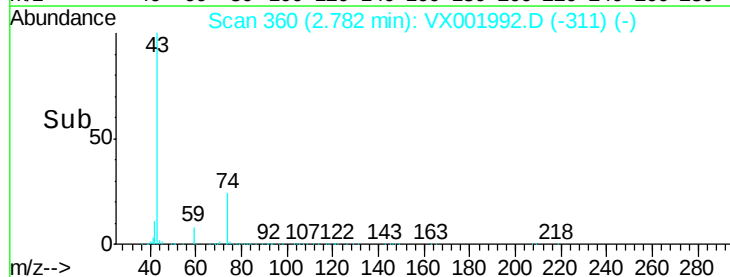
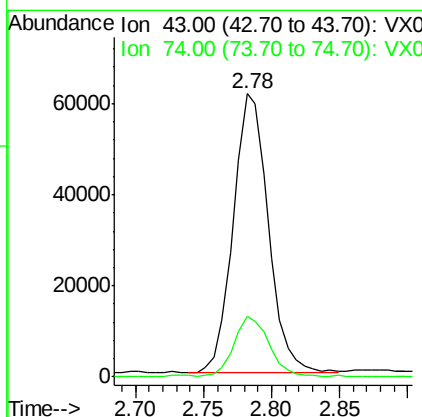
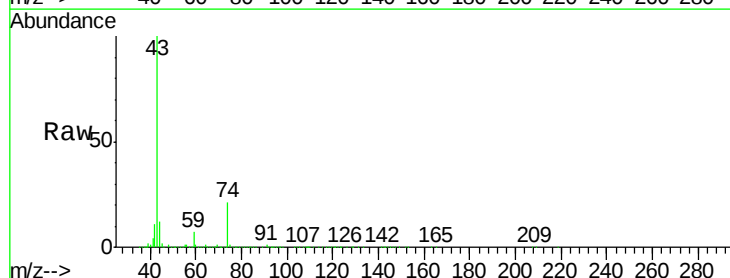
Manual Integrations
APPROVED

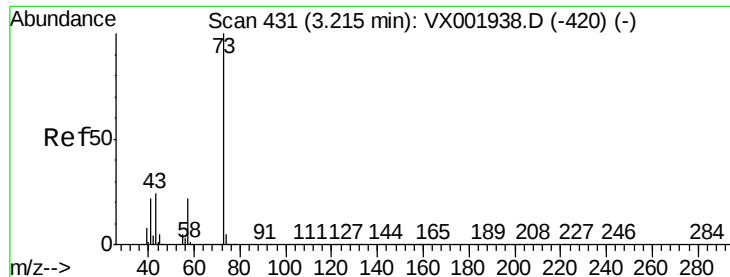
MMDadoda
5/29/2018 4:39:24 PM



#18
Methyl Acetate
Concen: 24.122 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001992.D
Acq: 25 May 2018 22:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.4	16.8	25.2





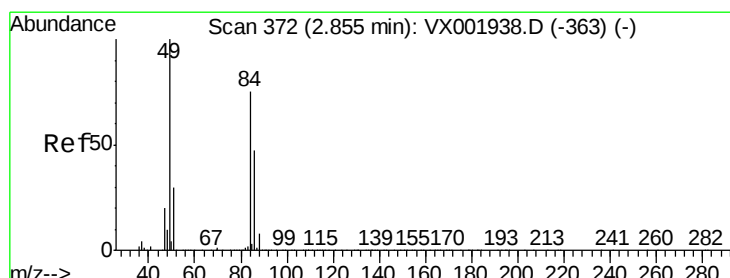
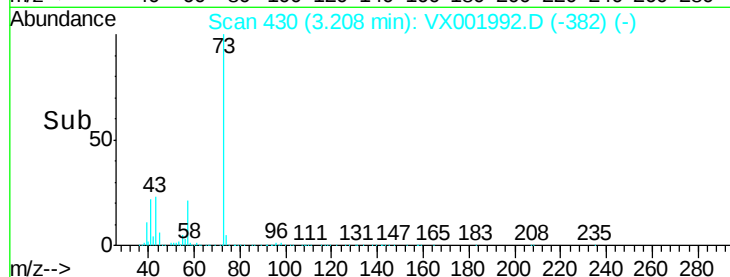
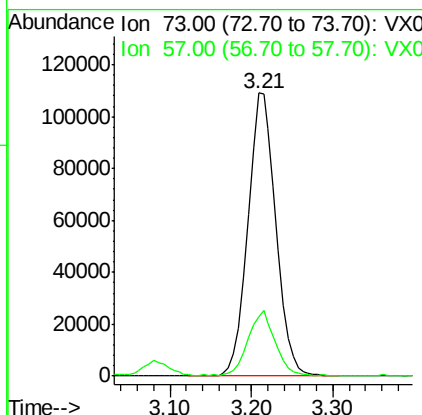
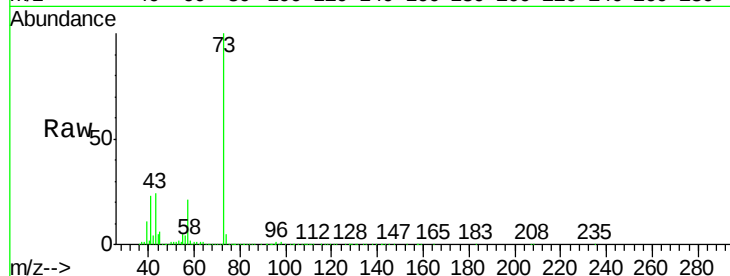
#19
Methyl tert-butyl Ether
Concen: 22.192 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX001992.D
Acq: 25 May 2018 22:49

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.4	26.0

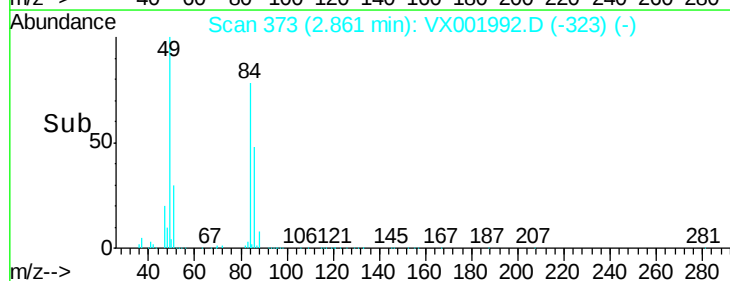
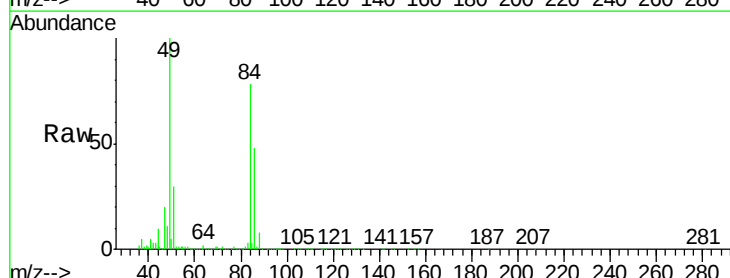
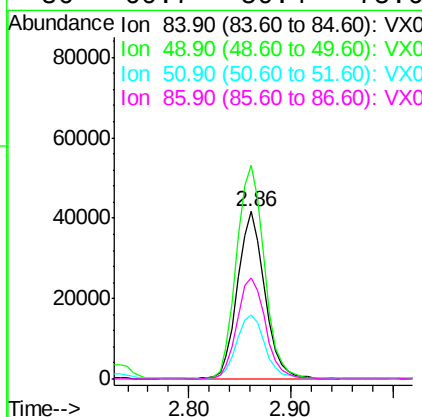
Manual Integrations
APPROVED

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5/29/2018 4:39:24 PM



#20
Methylene Chloride
Concen: 23.089 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX001992.D
Acq: 25 May 2018 22:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.6	107.2	160.8
51	38.2	32.4	48.6
86	60.7	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 22.438 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Instrument :

MSVOA_X

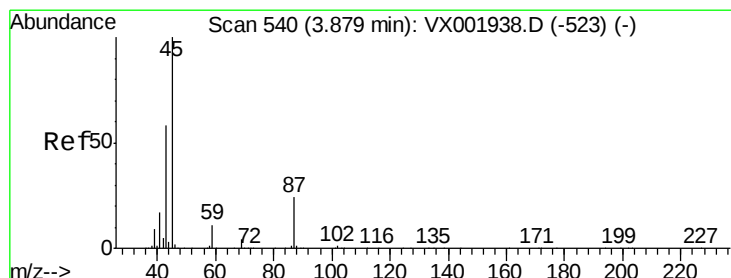
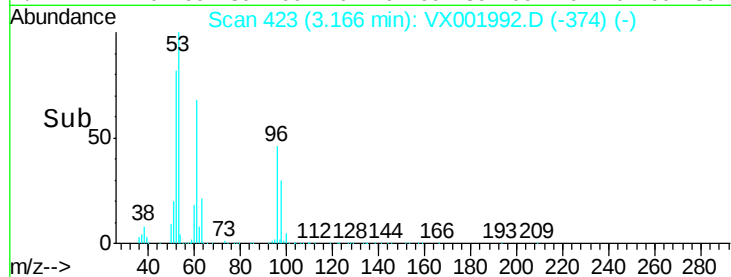
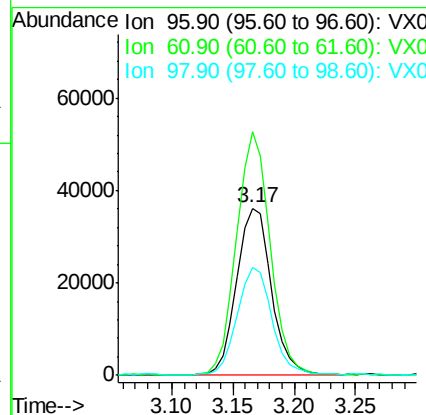
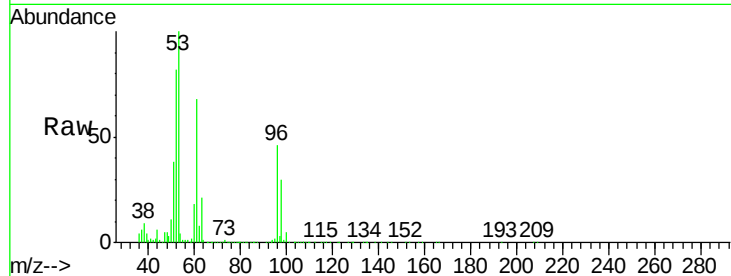
ClientSampleId :

VX0525WBS02

Tot Ion:	96	Resp:	70624
Ion	Ratio	Lower	Upper
96	100		
61	146.3	113.3	169.9
98	64.7	51.7	77.5

Manual Integrations
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5/29/2018 4:39:24 PM



#22

Diisopropyl ether

Concen: 20.357 ug/l

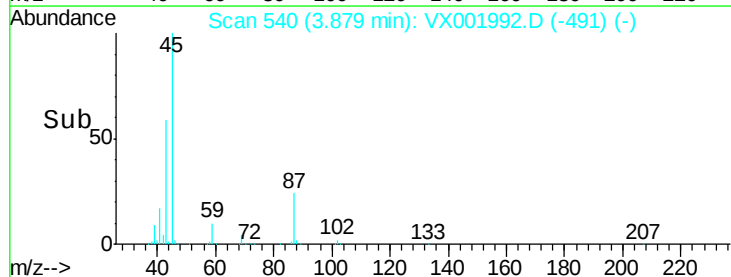
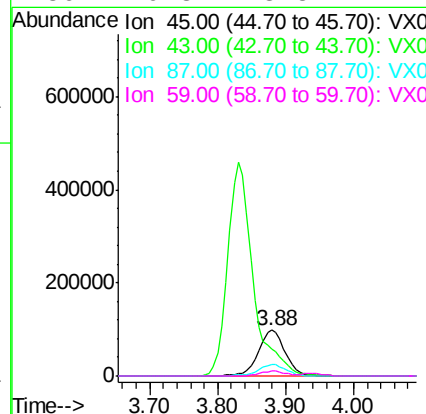
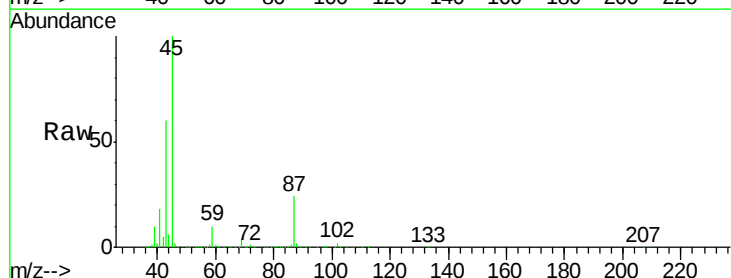
RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Tgt Ion:	45	Resp:	270505
Ion	Ratio	Lower	Upper
45	100		
43	59.6	47.0	70.6
87	24.1	19.4	29.0
59	10.3	8.5	12.7





#23

Vinyl Acetate

Concen: 107.832 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Instrument :

MSVOA_X

ClientSampleID :

VX0525WBS02

Tot Ion: 43 Resp: 1188011

Ion Ratio Lower Upper

43 100

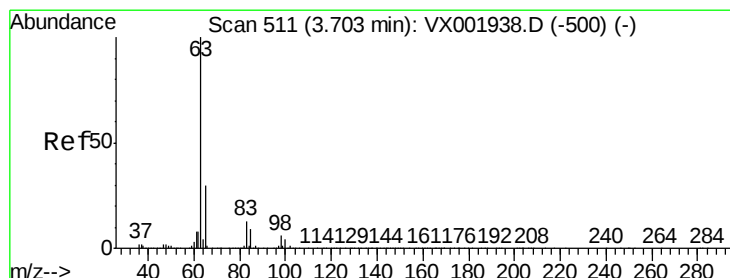
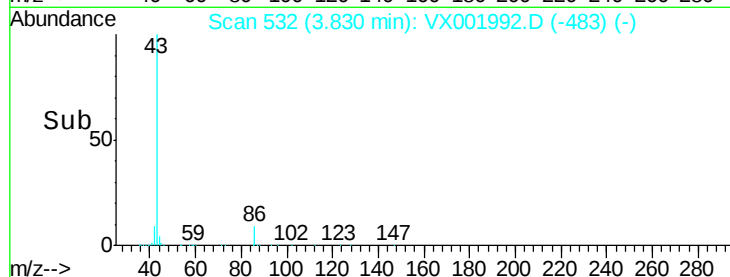
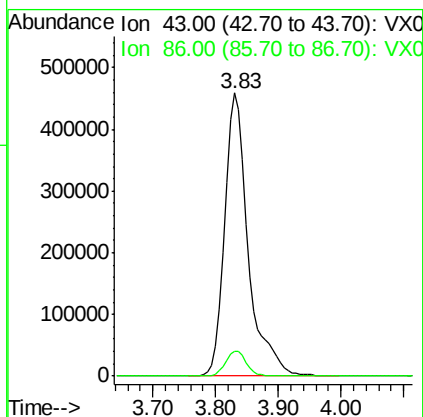
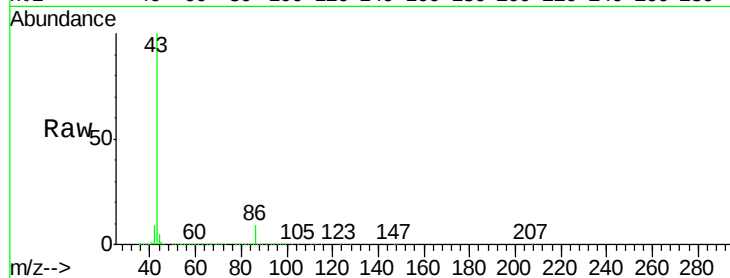
86 8.9 7.6 11.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.509 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

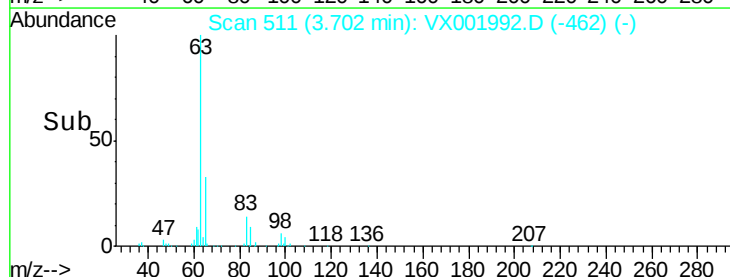
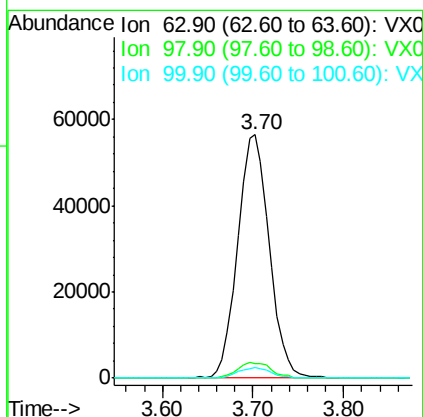
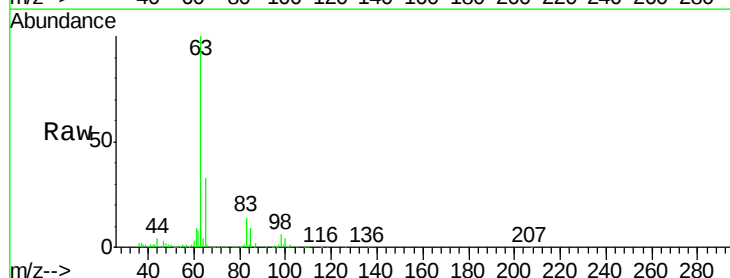
Tgt Ion: 63 Resp: 135766

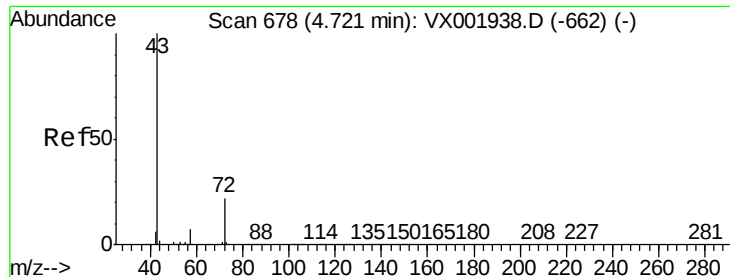
Ion Ratio Lower Upper

63 100

98 5.9 3.3 9.8

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 98.572 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Instrument :

MSVOA_X

ClientSampled :

VX0525WBS02

Tot Ion: 43 Resp: 332773

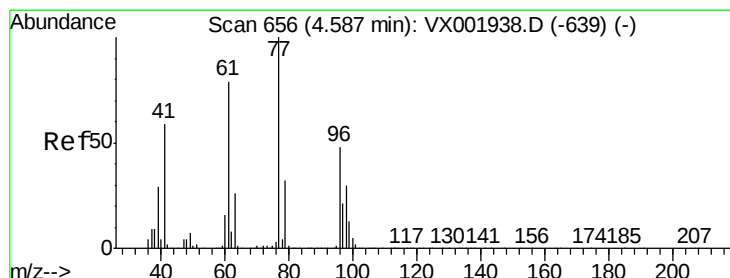
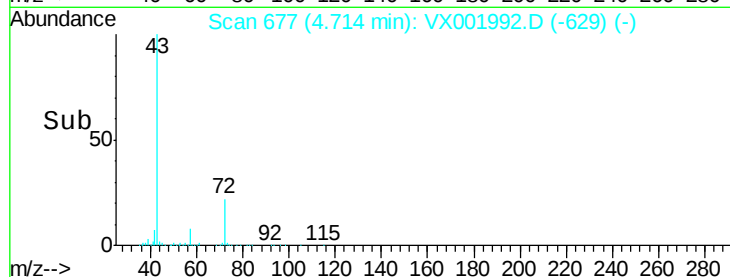
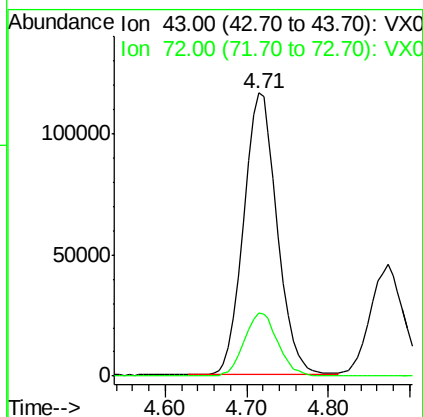
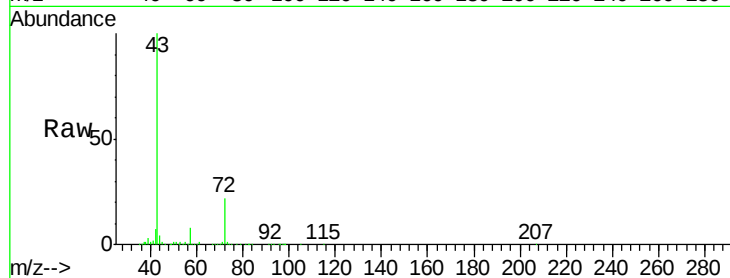
Ion Ratio Lower Upper

43 100

72 22.2 17.9 26.9

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 14.742 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX001992.D

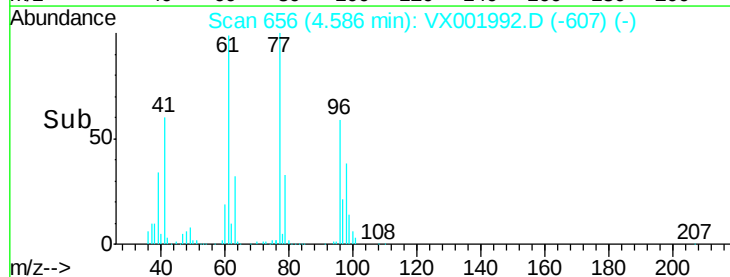
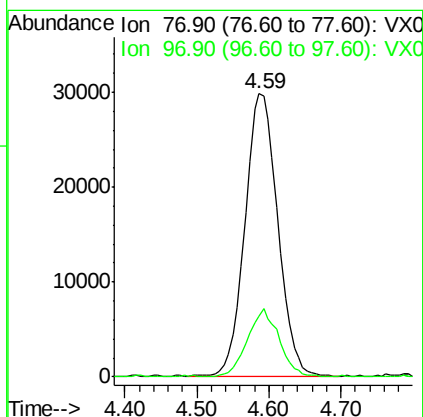
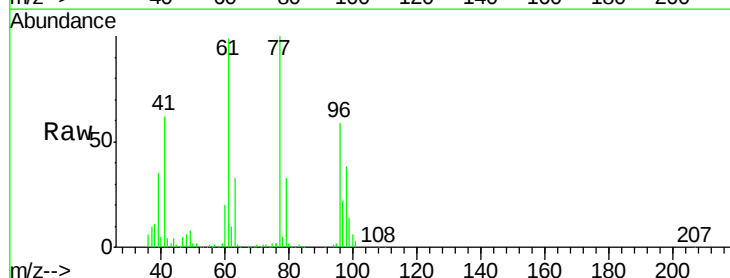
Acq: 25 May 2018 22:49

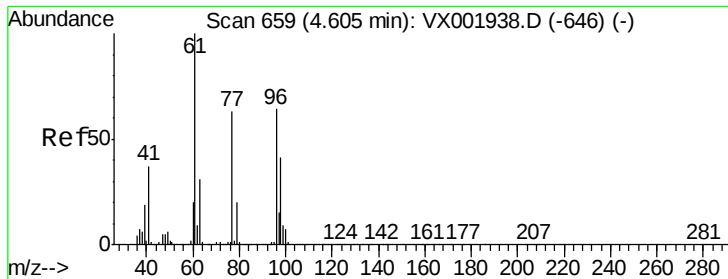
Tgt Ion: 77 Resp: 94184

Ion Ratio Lower Upper

77 100

97 23.5 11.2 33.5





#27

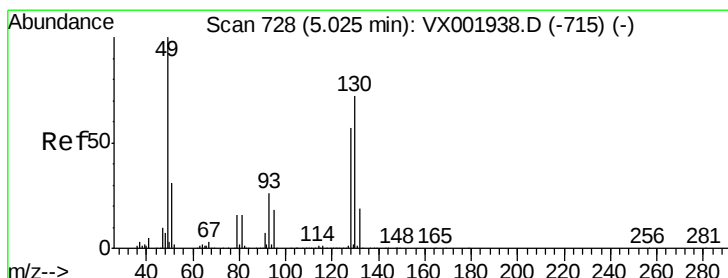
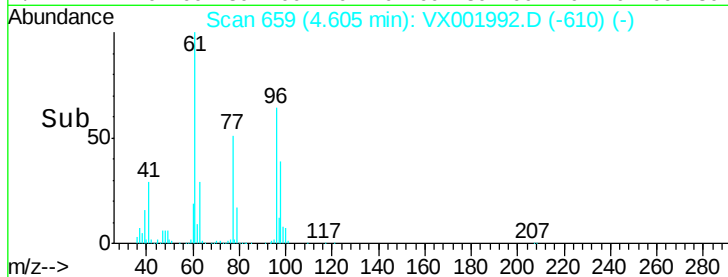
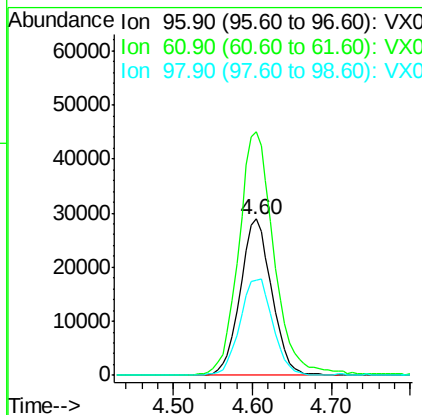
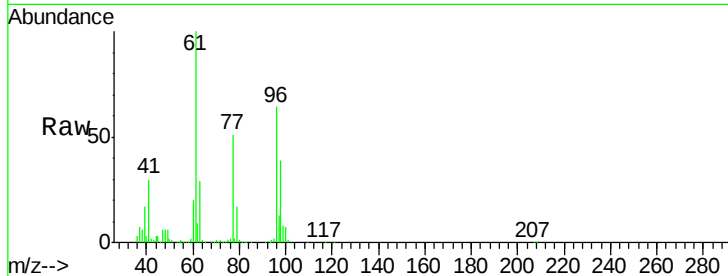
cis-1,2-Dichloroethene
Concen: 19.790 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX001992.D
Acq: 25 May 2018 22:49

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	174.9	0.0	348.4	
98	64.8	0.0	128.6	

Manual Integrations
APPROVED

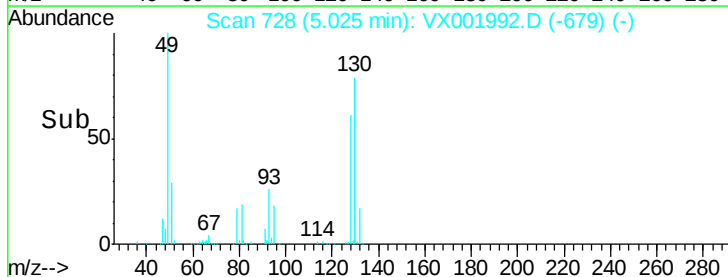
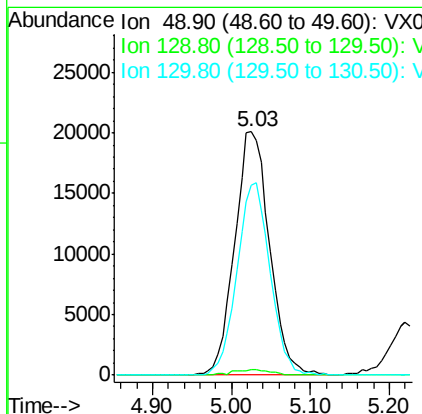
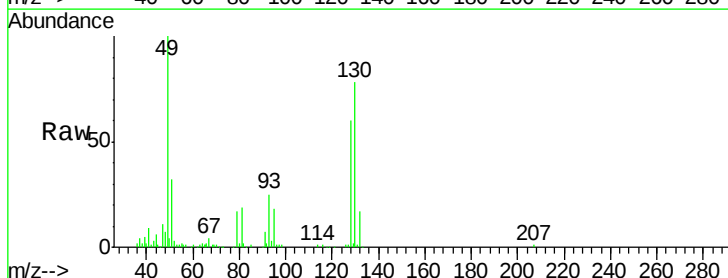
MMDadoda
5/29/2018 4:39:24 PM



#28

Bromochloromethane
Concen: 22.179 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX001992.D
Acq: 25 May 2018 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.4	0.0	3.8	
130	74.9	59.4	89.2	





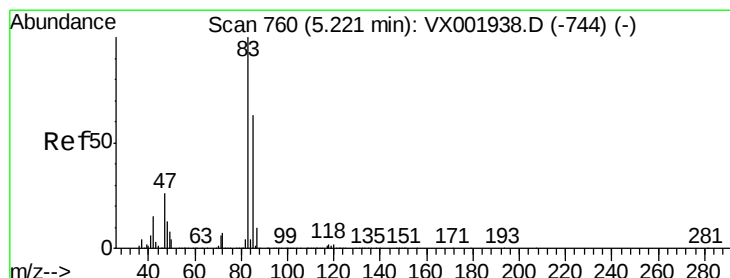
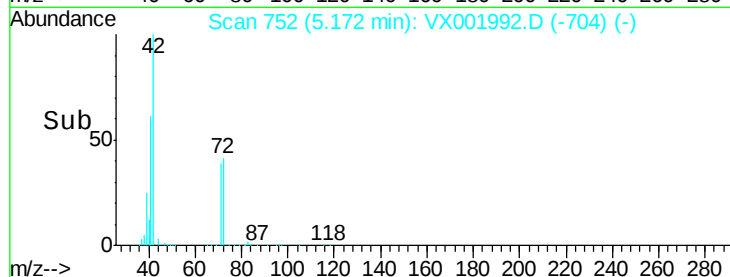
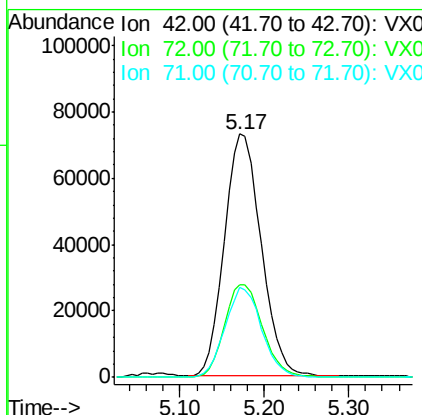
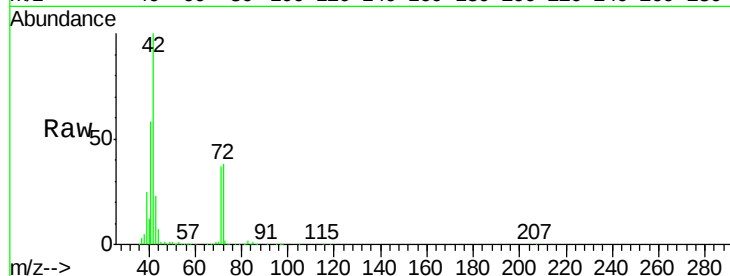
#29
Tetrahydrofuran
Concen: 98.558 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX001992.D
Acq: 25 May 2018 22:49

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBS02

Tot Ion	Ratio	Resp	Lower	Upper
42	100	216478		
72	39.8		31.4	47.0
71	36.8		29.5	44.3

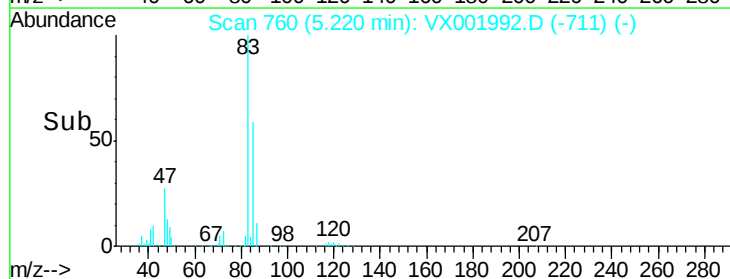
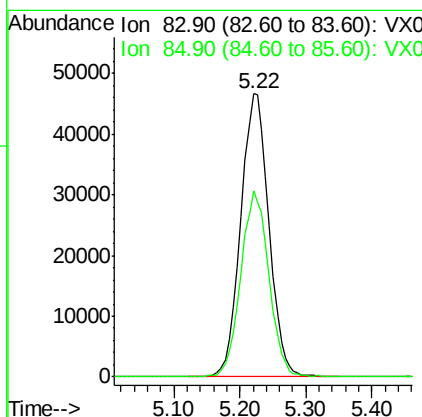
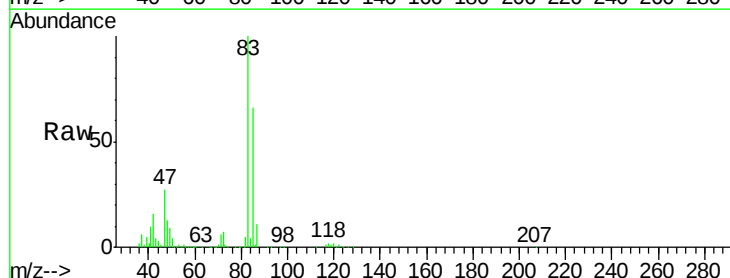
Manual Integrations
APPROVED

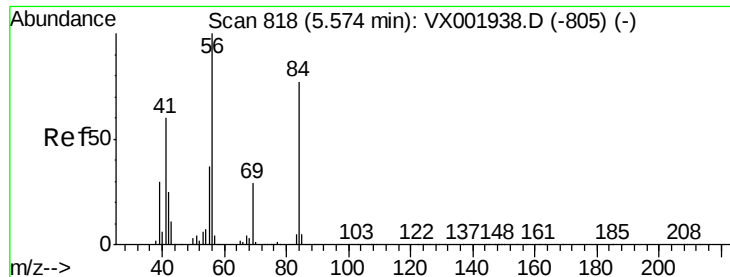
MMDadoda
5/29/2018 4:39:24 PM



#30
Chloroform
Concen: 19.442 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX001992.D
Acq: 25 May 2018 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	138258		
85	65.6		50.9	76.3





#31

Cyclohexane

Concen: 19.109 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Instrument :

MSVOA_X

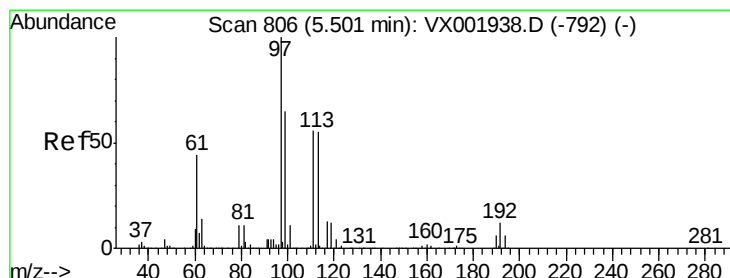
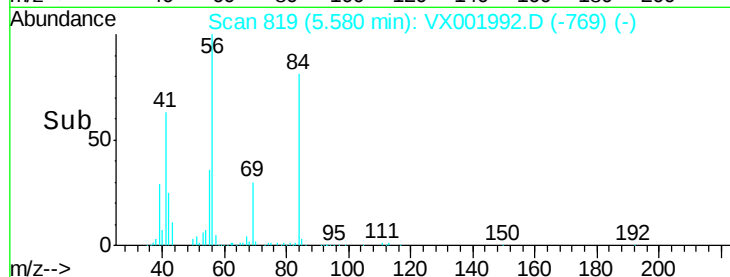
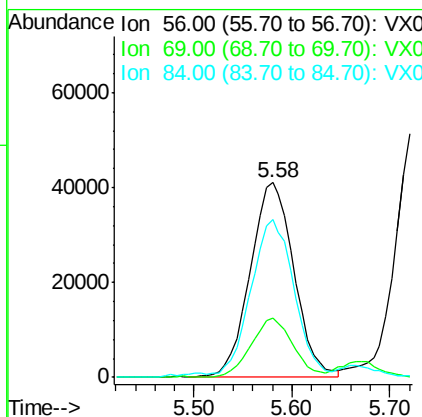
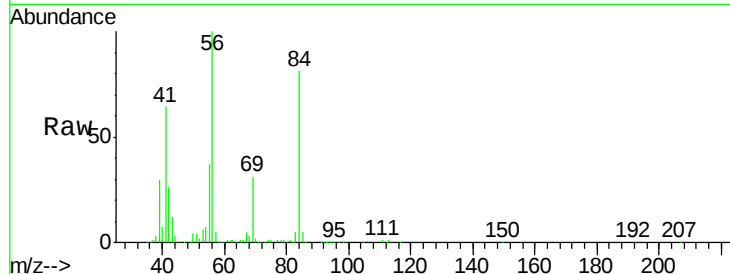
ClientSampleId :

VX0525WBS02

Tot Ion:	56	Resp:	125667
Ion Ratio		Lower	Upper
56	100		
69	30.5	23.1	34.7
84	80.0	62.0	93.0

Manual Integrations
APPROVED

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5/29/2018 4:39:24 PM



#32

1,1,1-Trichloroethane

Concen: 19.511 ug/l

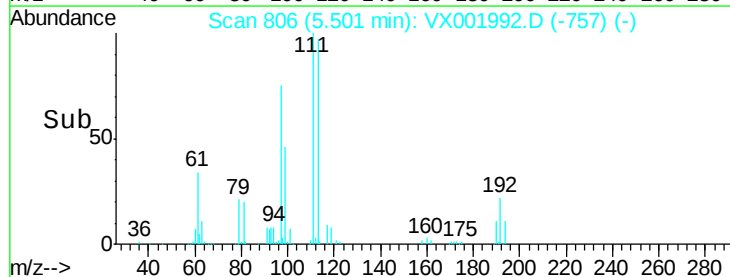
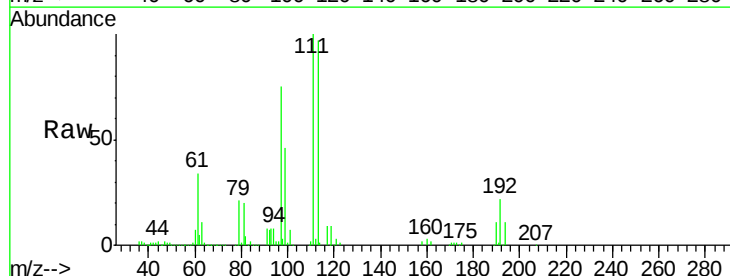
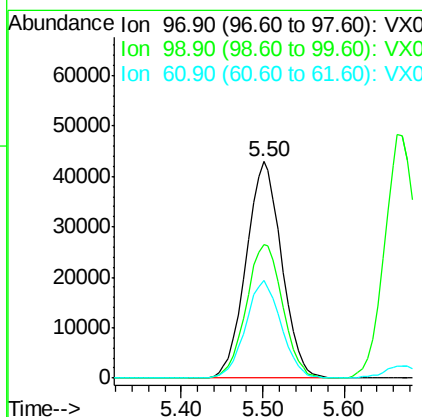
RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Tgt Ion:	97	Resp:	129352
Ion Ratio		Lower	Upper
97	100		
99	63.7	51.9	77.9
61	45.5	35.9	53.9





#33

1,2-Dichloroethane-d4

Concen: 47.917 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBS02

Tot Ion: 65 Resp: 228695

Ion Ratio Lower Upper

65 100

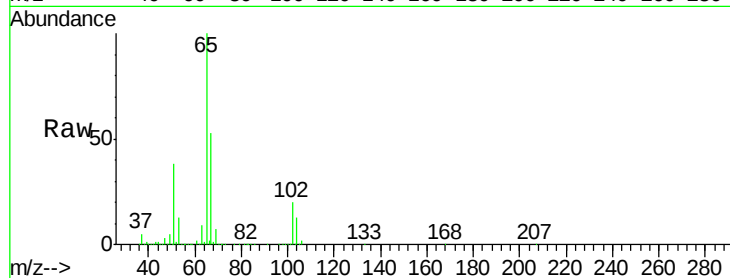
67 52.5 0.0 104.0

Manual Integrations

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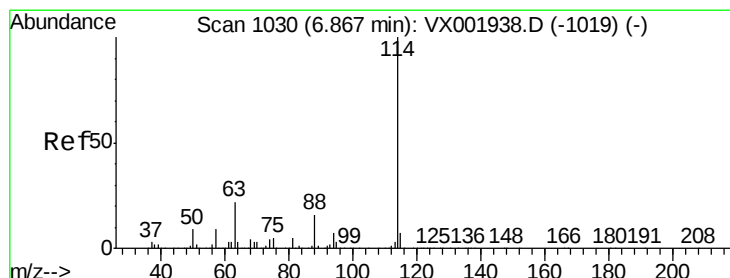
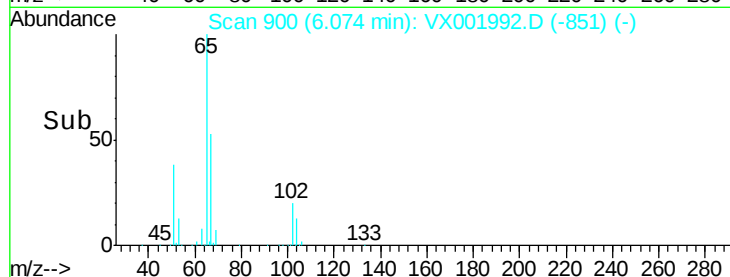
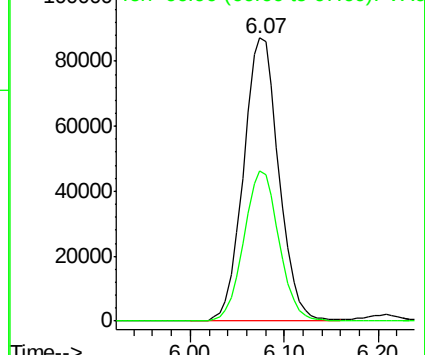
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

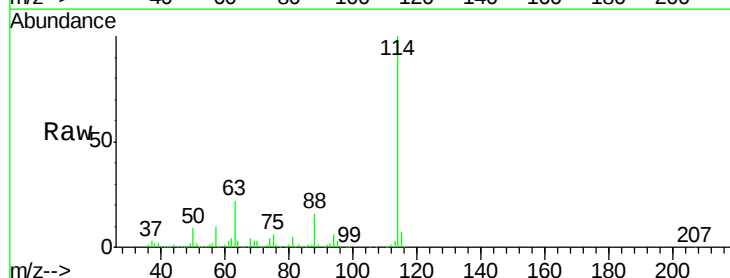
Tgt Ion: 114 Resp: 378943

Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.2

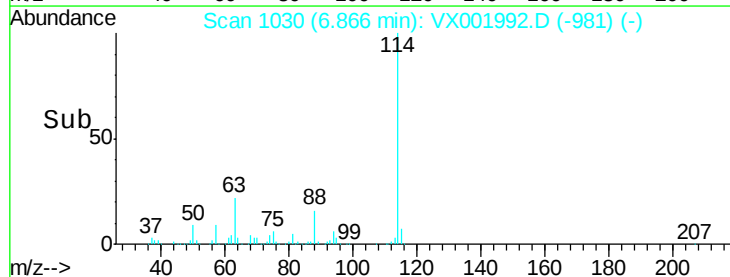
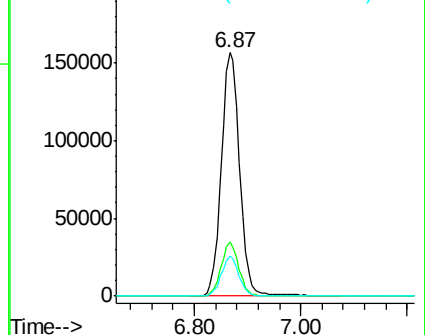
88 16.3 0.0 31.6

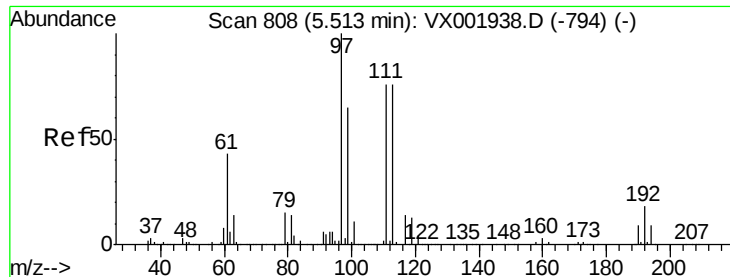


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





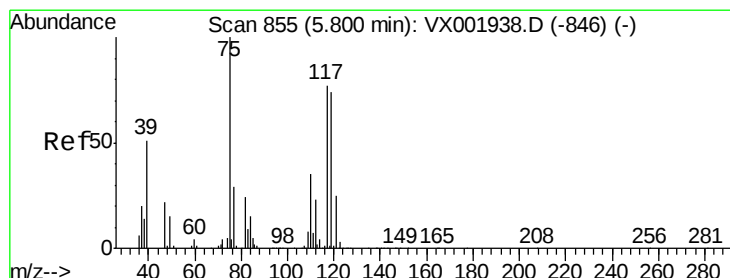
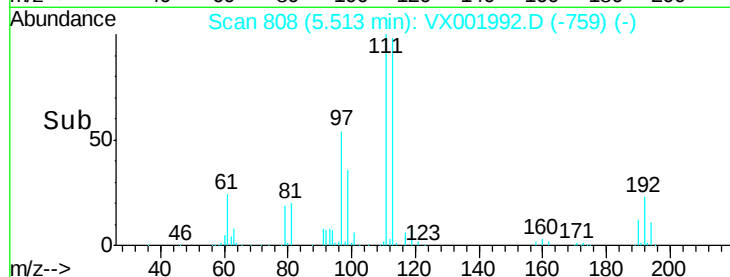
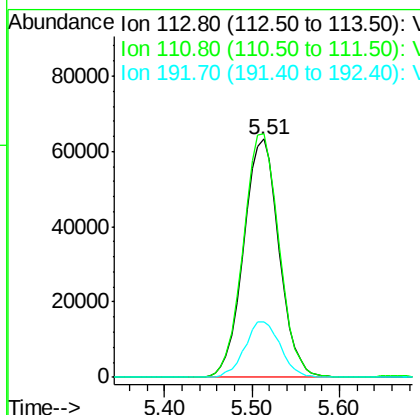
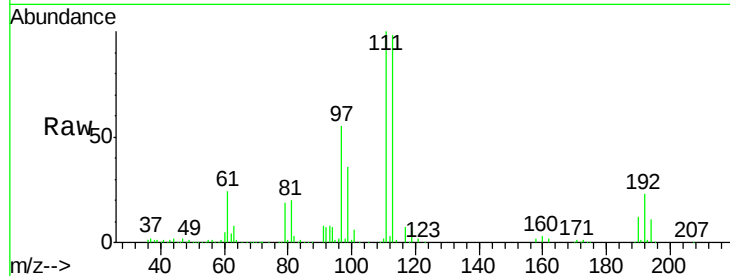
#35
Dibromofluoromethane
Concen: 47.067 ug/l
RT: 5.51 min Scan# 808
Delta R.T. -0.00 min
Lab File: VX001992.D
Acq: 25 May 2018 22:49

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	178356		
111	103.1	82.0	123.0	
192	23.6	18.9	28.3	

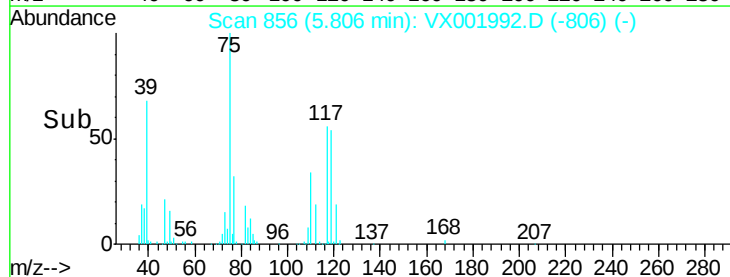
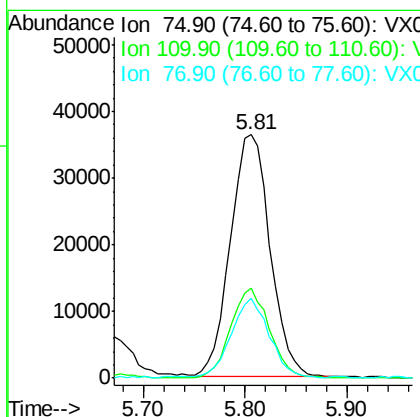
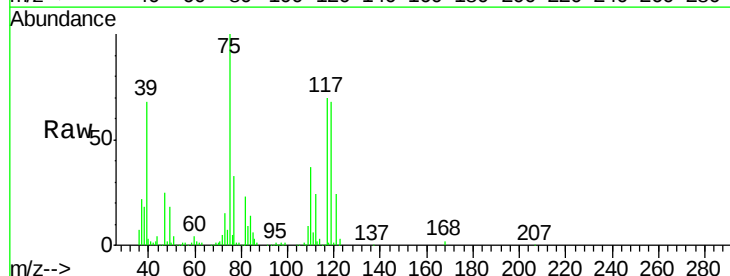
Manual Integrations
APPROVED

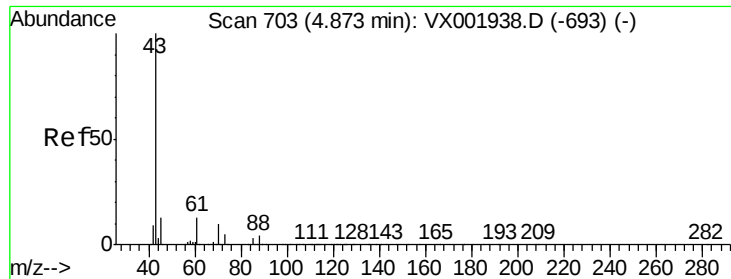
MMDadoda
5/29/2018 4:39:24 PM



#36
1,1-Dichloropropene
Concen: 18.678 ug/l
RT: 5.81 min Scan# 856
Delta R.T. 0.01 min
Lab File: VX001992.D
Acq: 25 May 2018 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	98453		
110	35.8	17.4	52.2	
77	31.0	24.4	36.6	





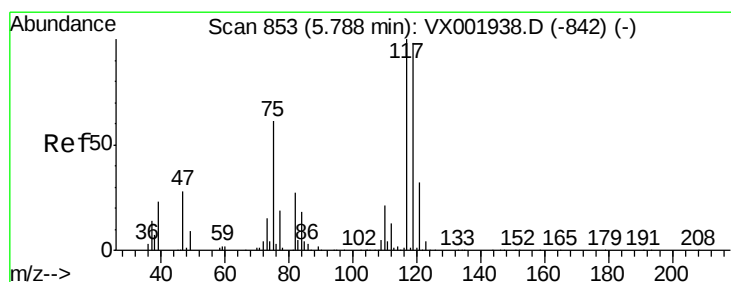
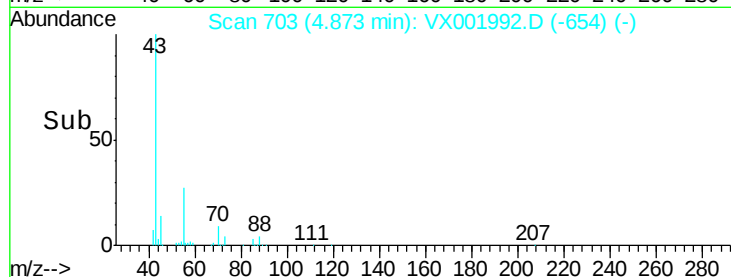
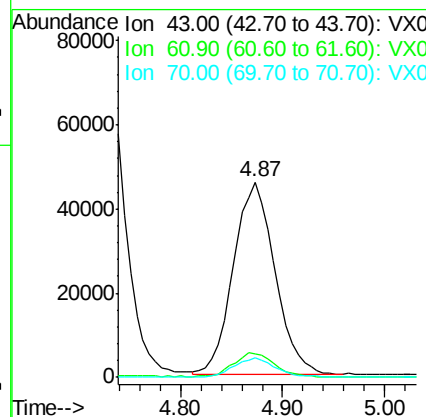
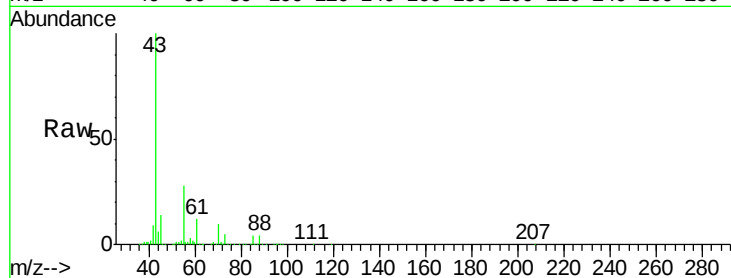
#37
Ethyl Acetate
Concen: 18.866 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX001992.D
Acq: 25 May 2018 22:49

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.2	15.2
70	9.9	7.8	11.8

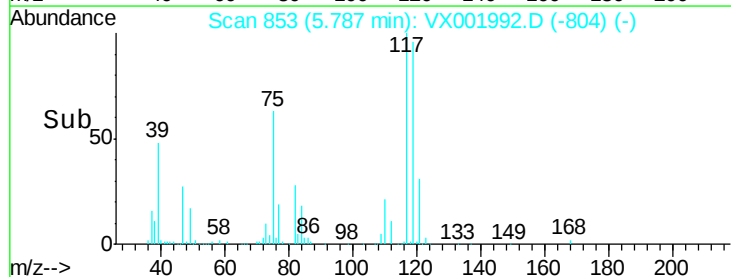
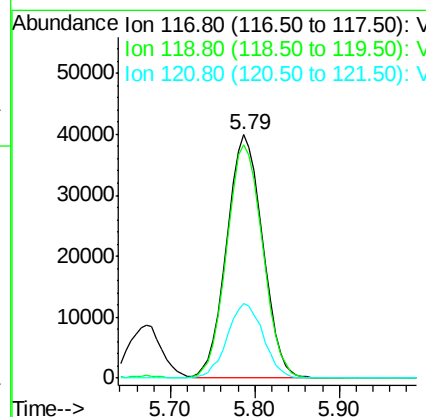
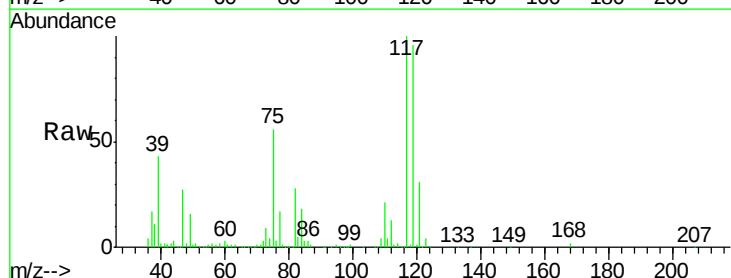
Manual Integrations
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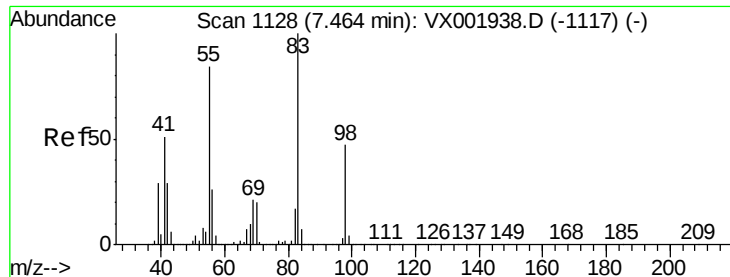
MMDadoda
5/29/2018 4:39:24 PM



#38
Carbon Tetrachloride
Concen: 18.969 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001992.D
Acq: 25 May 2018 22:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	78.5	117.7
121	30.8	25.5	38.3





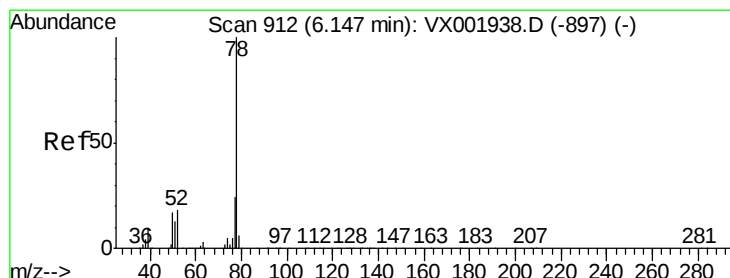
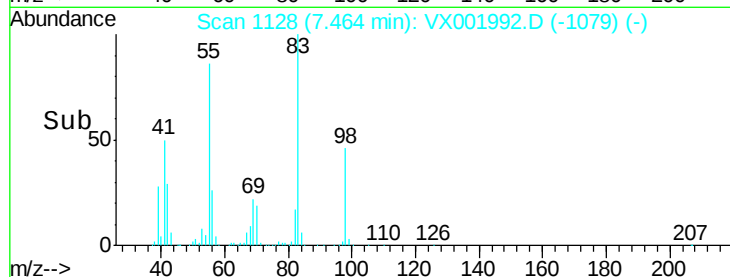
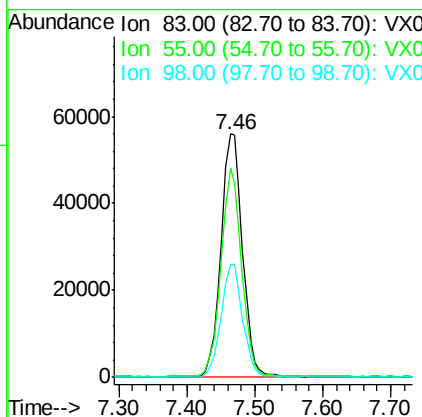
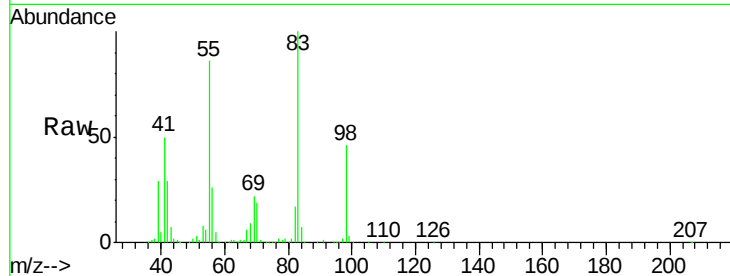
#39
Methvlcvclohexane
Concen: 18.879 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX001992.D
Acq: 25 May 2018 22:49

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	122255		
55	85.4	67.3	100.9	
98	46.1	37.5	56.3	

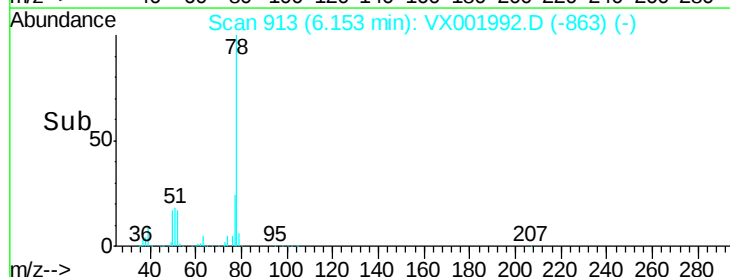
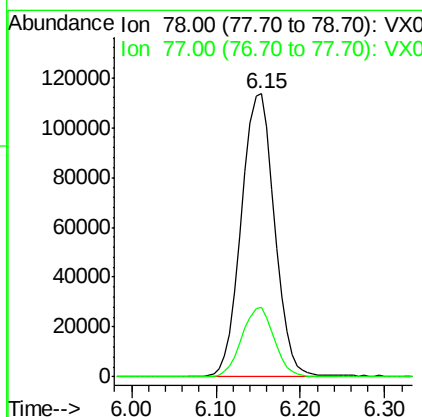
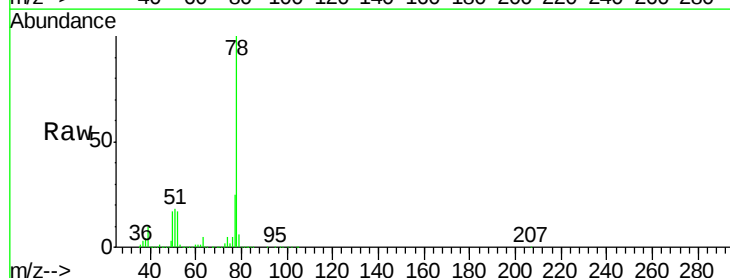
Manual Integrations
APPROVED

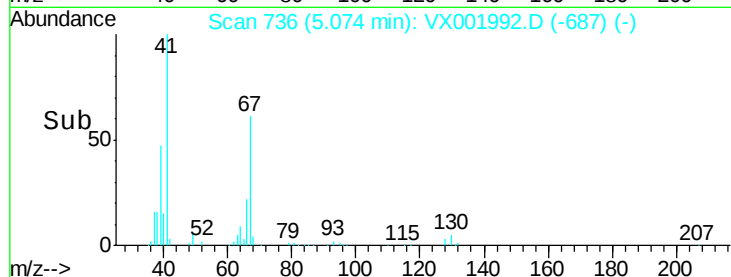
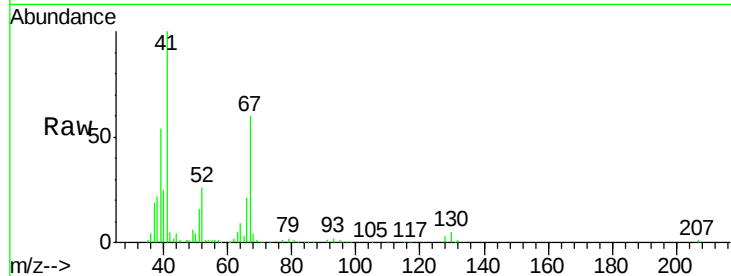
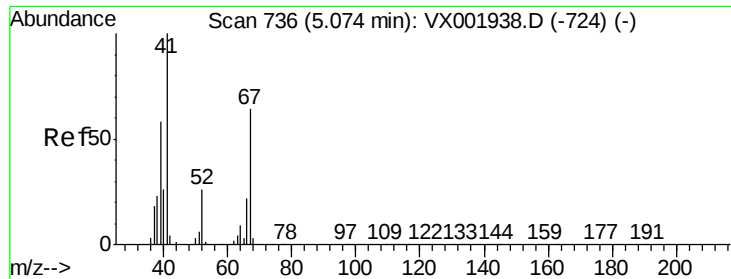
MMDadoda
5/29/2018 4:39:24 PM



#40
Benzene
Concen: 19.688 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.01 min
Lab File: VX001992.D
Acq: 25 May 2018 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	304023		
77	24.4	19.1	28.7	





#41

Methacrylonitrile

Concen: 19.749 ug/l

RT: 5.07 min Scan# 736

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		74601		
39	55.3	46.0	69.0		
67	61.8	50.6	75.8		
52	28.7	21.9	32.9		

Instrument :

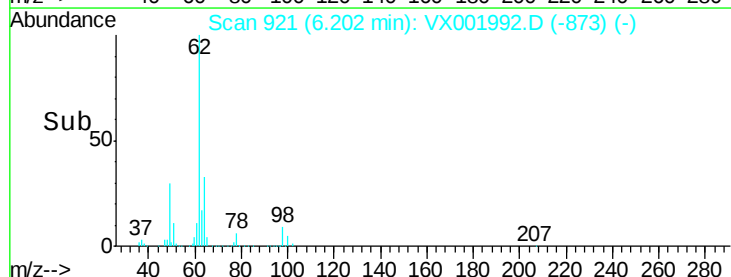
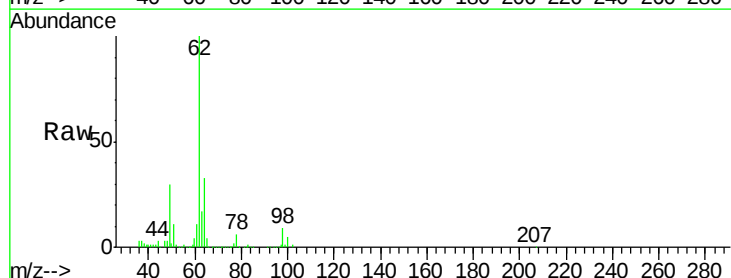
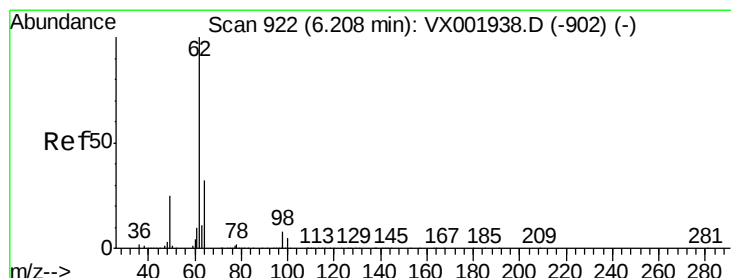
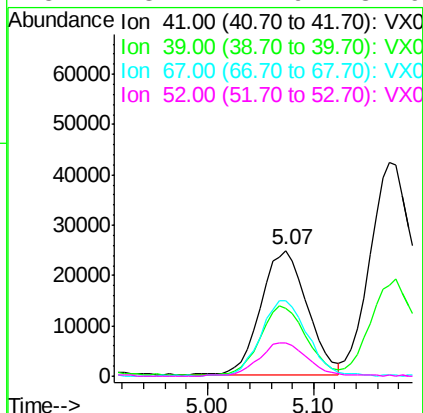
MSVOA_X

ClientSampleId :

VX0525WBS02

Manual Integrations
APPROVED

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5/29/2018 4:39:24 PM



#42

1,2-Dichloroethane

Concen: 19.196 ug/l

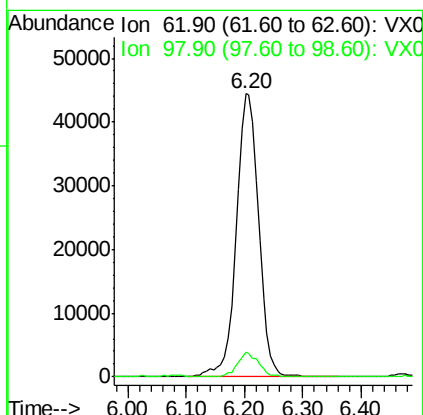
RT: 6.20 min Scan# 921

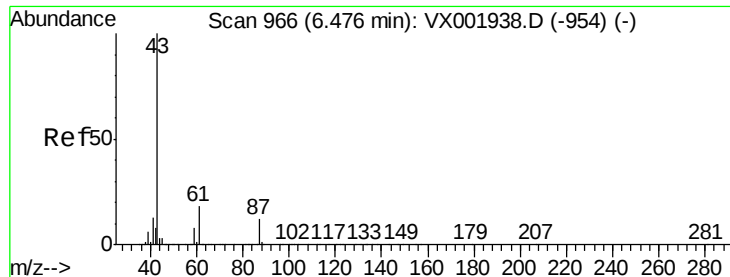
Delta R.T. -0.01 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		118409		
98	8.1	0.0	17.0		





#43

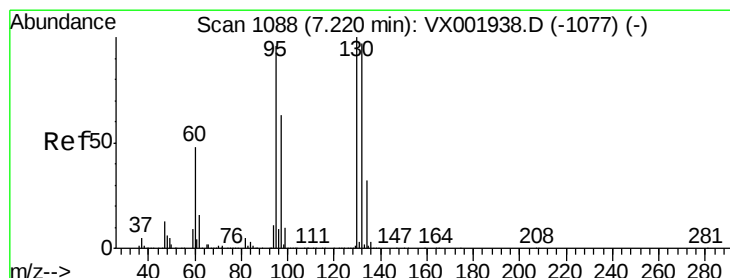
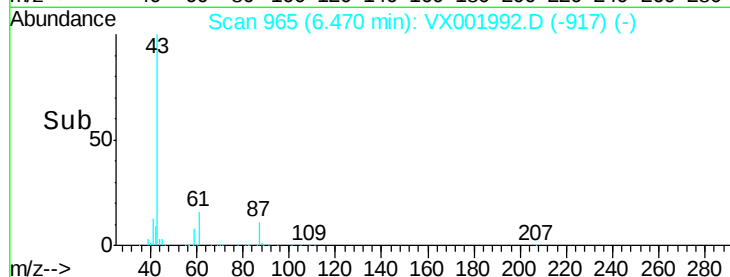
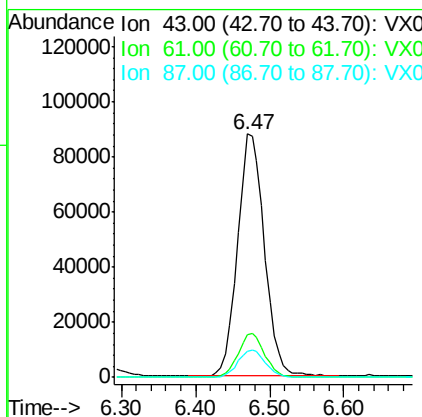
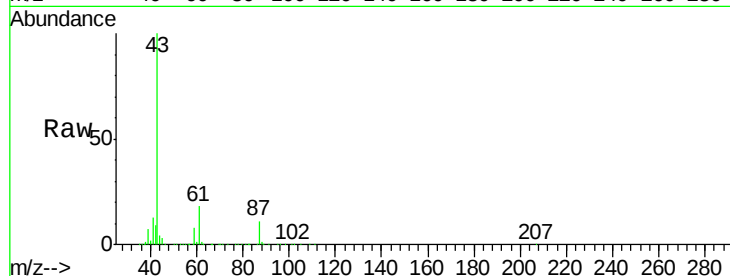
Isopropyl Acetate
 Concen: 19.442 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX001992.D
 Acq: 25 May 2018 22:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0525WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.5	21.7
87	11.7	9.5	14.3

Manual Integrations
 APPROVED

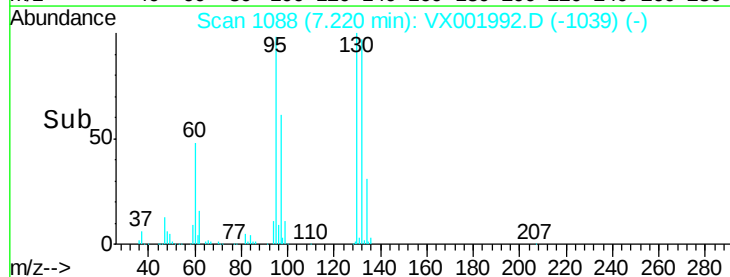
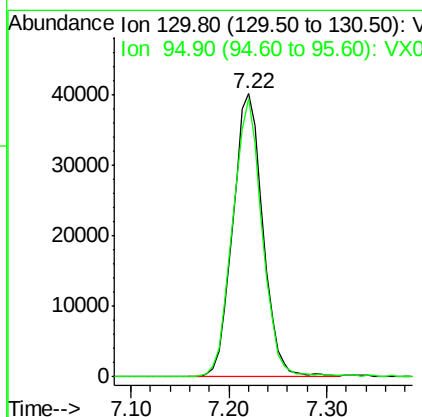
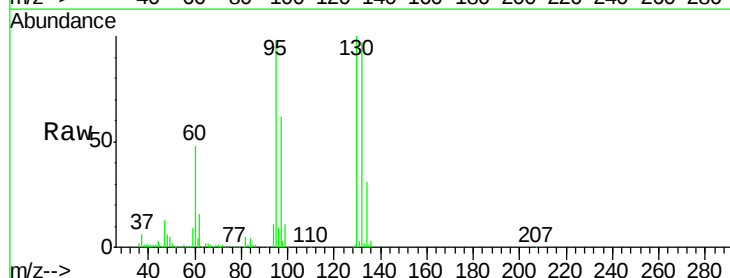
MMDadoda
 5/29/2018 4:39:24 PM



#44

Trichloroethene
 Concen: 18.985 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX001992.D
 Acq: 25 May 2018 22:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	192.0





#45

1,2-Dichloropropane

Concen: 19.767 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBS02

Tot Ion: 63 Resp: 82897

Ion Ratio Lower Upper

63 100

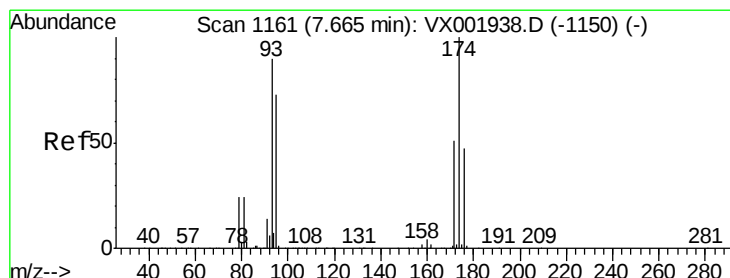
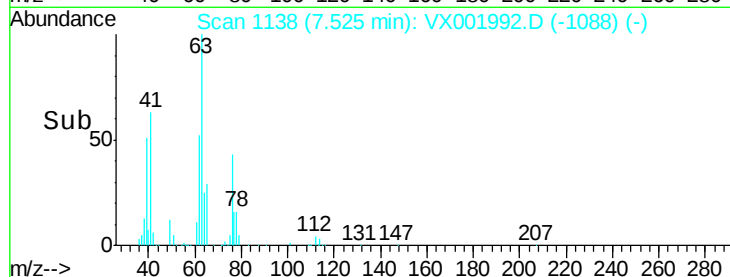
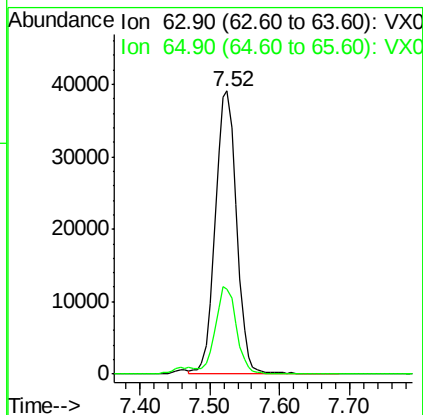
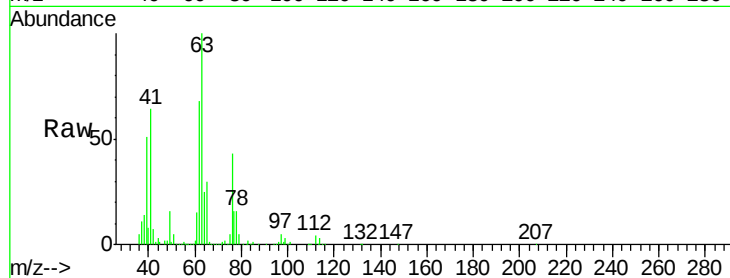
65 30.2 24.1 36.1

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#46

Dibromomethane

Concen: 19.325 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

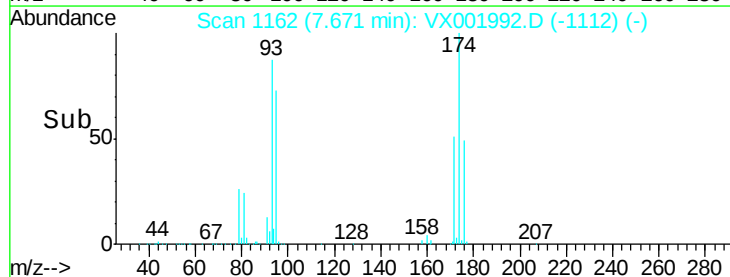
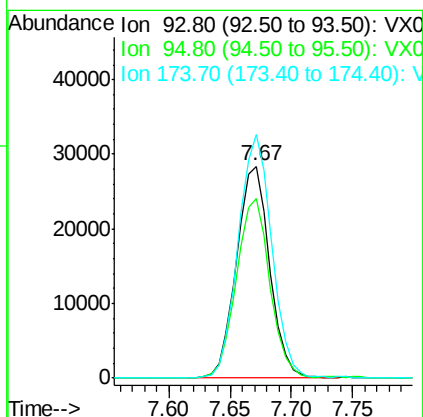
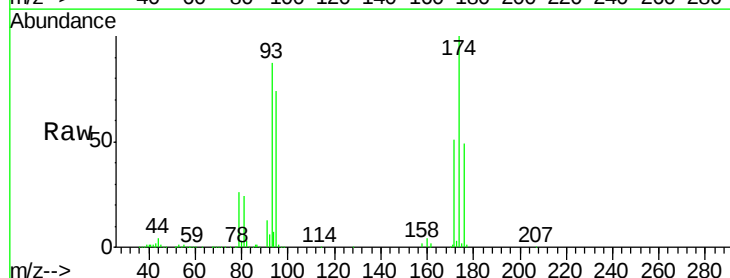
Tgt Ion: 93 Resp: 53656

Ion Ratio Lower Upper

93 100

95 84.4 66.1 99.1

174 116.1 92.5 138.7





#47

Bromodichloromethane

Concen: 18.564 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Instrument :

MSVOA_X

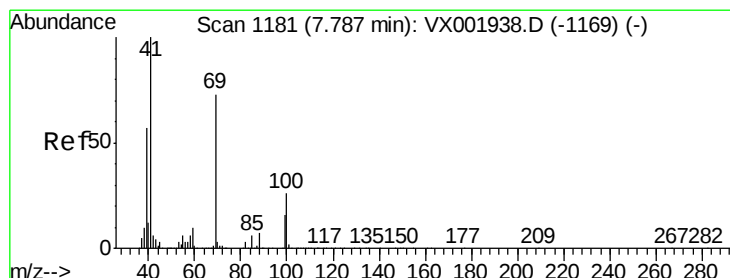
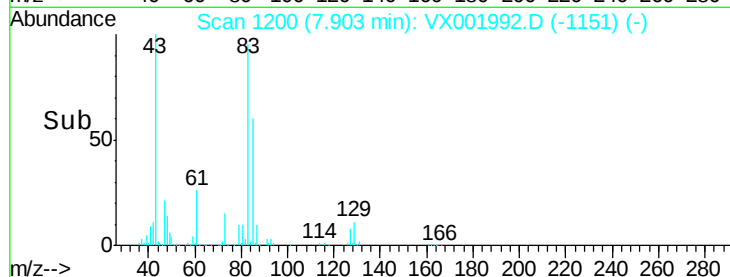
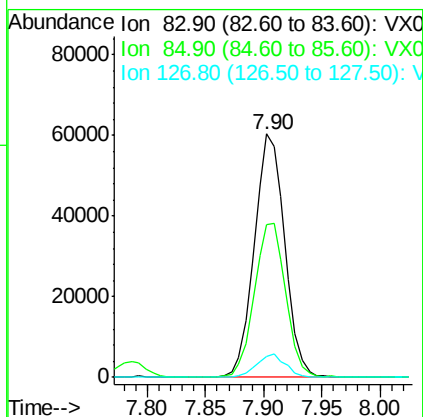
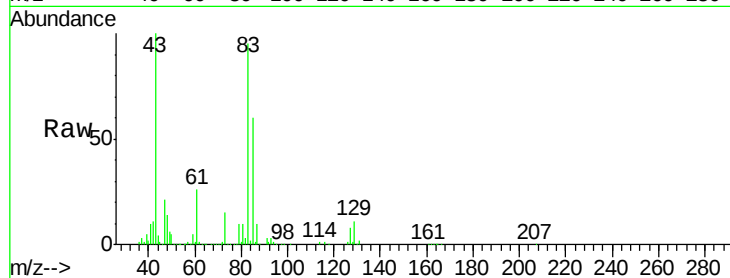
ClientSampleId :

VX0525WBS02

Tot Ion:	83	Resp:	109900
Ion Ratio	Lower	Upper	
83	100		
85	62.9	51.4	77.2
127	8.6	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.925 ug/l

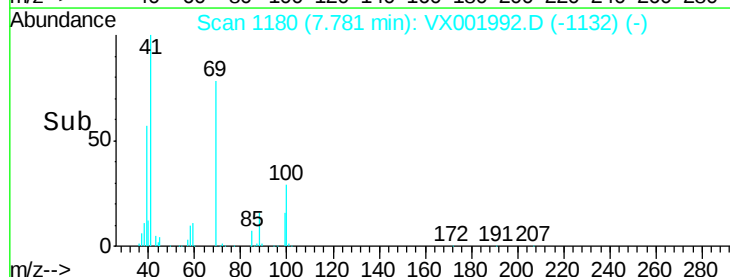
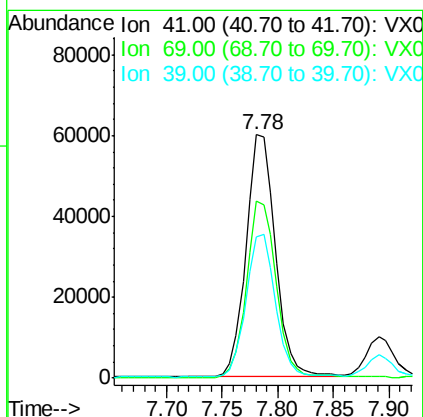
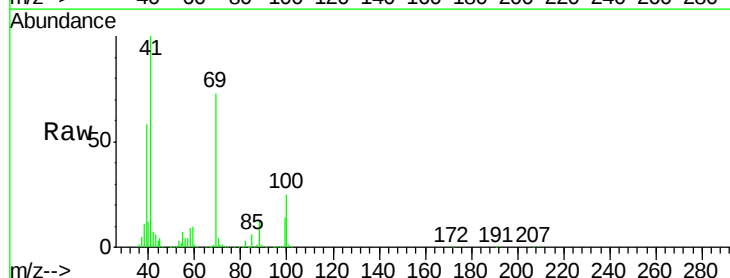
RT: 7.78 min Scan# 1180

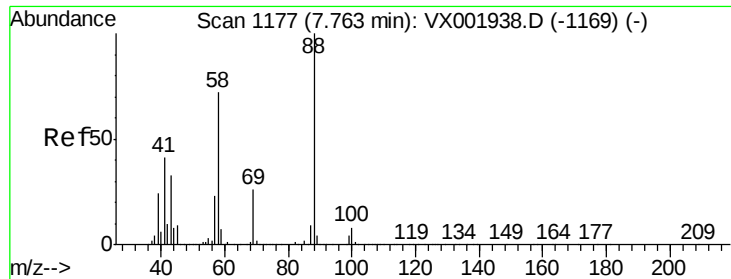
Delta R.T. -0.01 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Tgt Ion:	41	Resp:	110287
Ion Ratio	Lower	Upper	
41	100		
69	73.7	58.6	87.8
39	59.3	46.3	69.5





#49

1,4-Dioxane

Concen: 407.317 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Instrument :

MSVOA_X

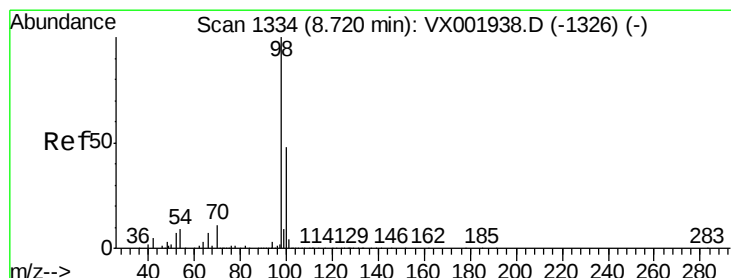
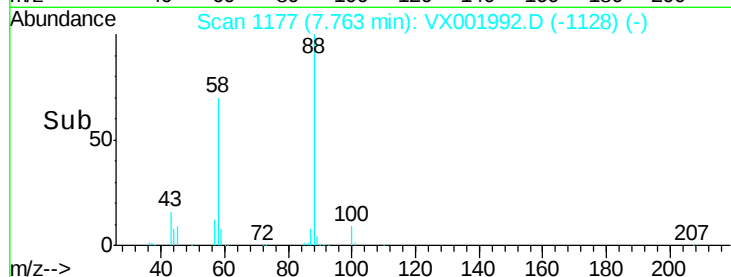
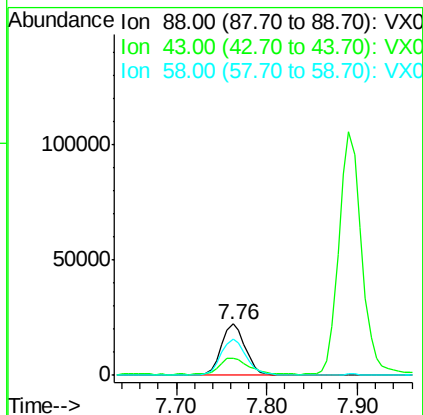
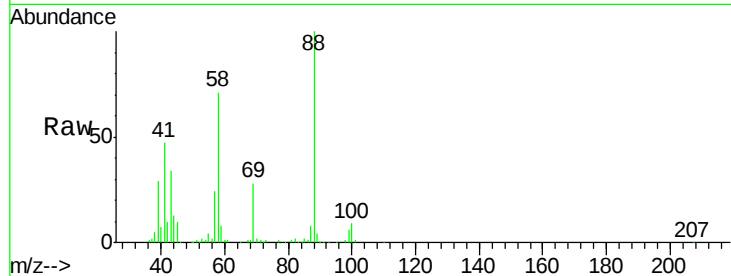
ClientSampleId :

VX0525WBS02

Tot Ion:	88	Resp:	41828
Ion	Ratio	Lower	Upper
88	100		
43	38.0	29.8	44.8
58	74.2	58.7	88.1

Manual Integrations
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#50

Toluene-d8

Concen: 47.964 ug/l

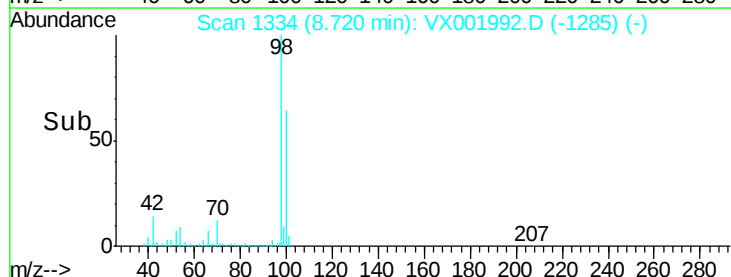
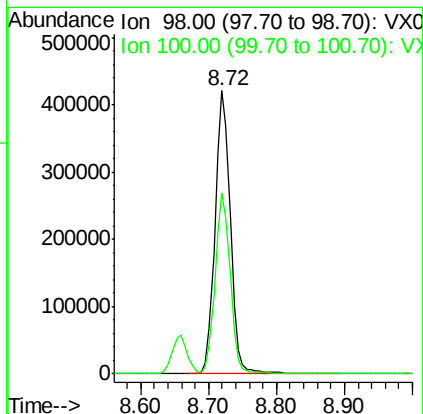
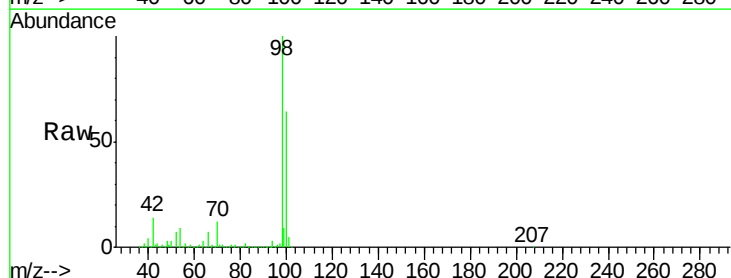
RT: 8.72 min Scan# 1334

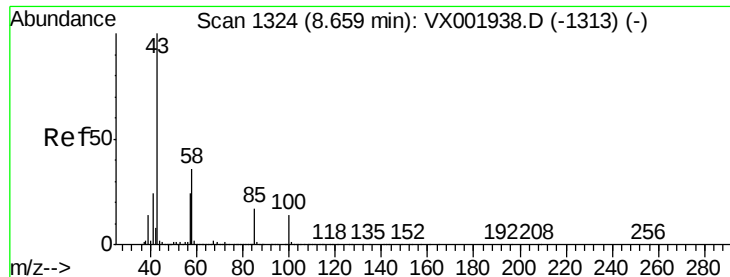
Delta R.T. 0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Tgt Ion:	98	Resp:	658023
Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 100.350 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBS02

Tot Ion: 43 Resp: 692631

Ion Ratio Lower Upper

43 100

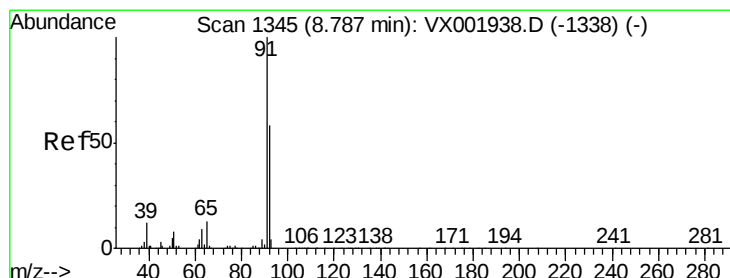
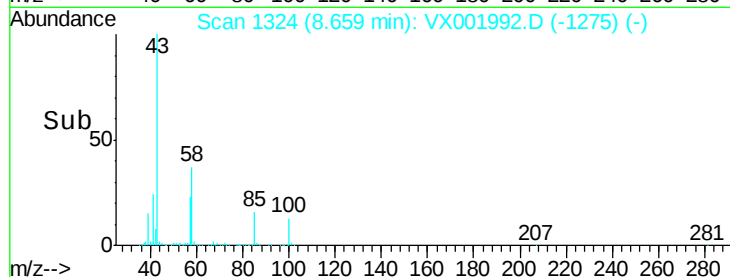
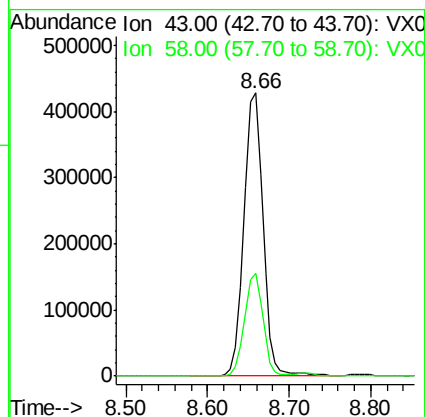
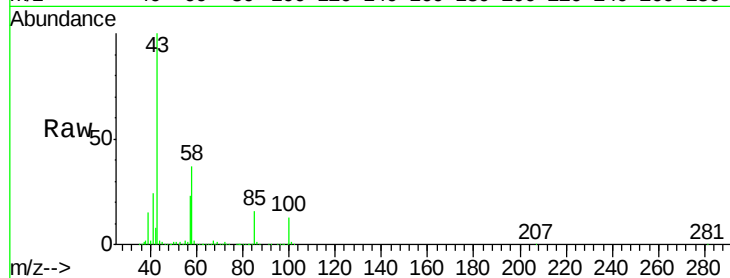
58 35.3 28.5 42.7

Manual Integrations

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#52

Toluene

Concen: 19.292 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX001992.D

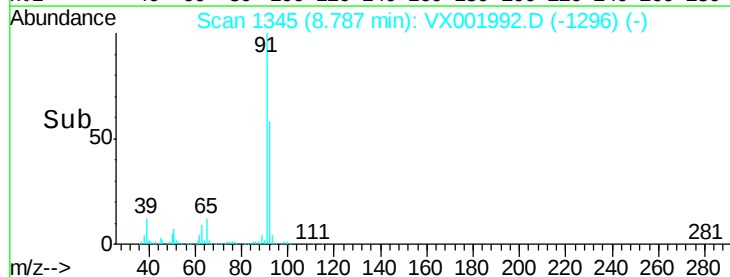
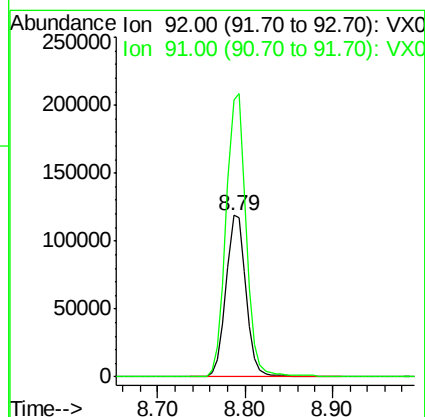
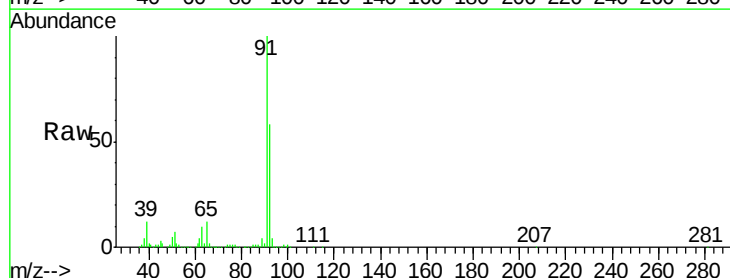
Acq: 25 May 2018 22:49

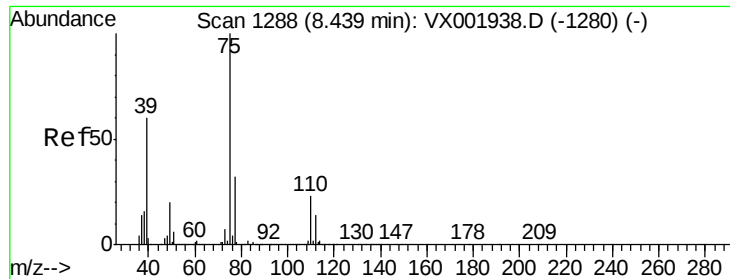
Tgt Ion: 92 Resp: 189596

Ion Ratio Lower Upper

92 100

91 175.0 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 18.368 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBS02

Tot Ion: 75 Resp: 125244

Ion Ratio Lower Upper

75 100

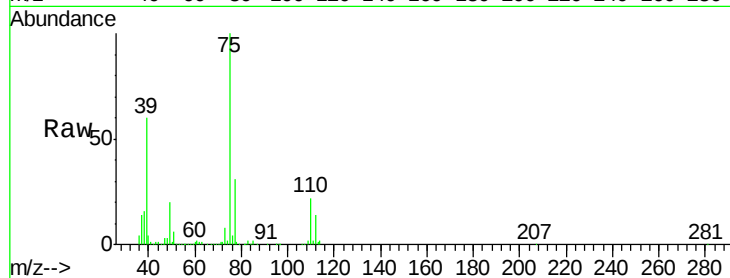
77 30.9 25.5 38.3

Manual Integrations

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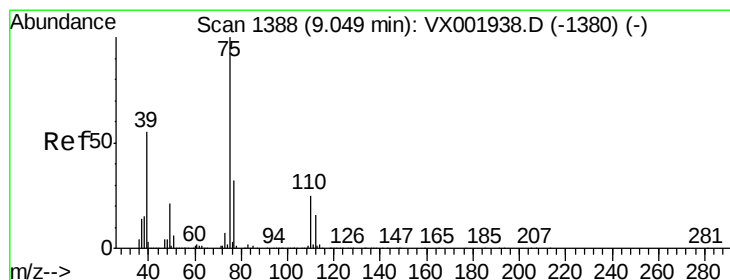
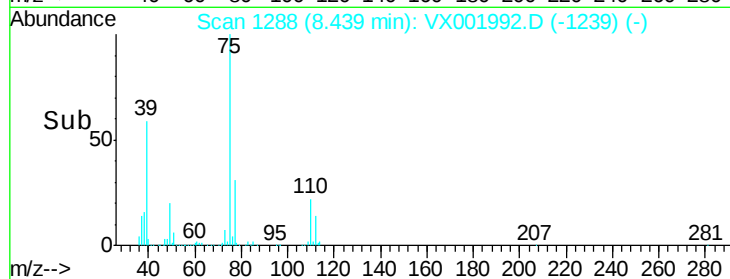
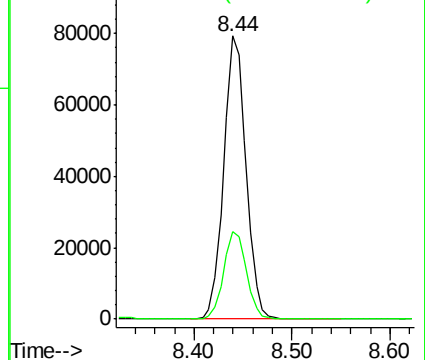
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 18.191 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

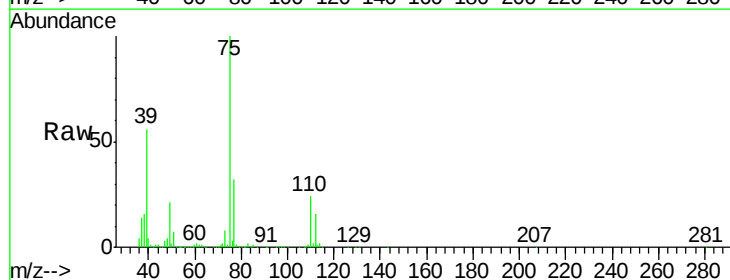
Tgt Ion: 75 Resp: 120866

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

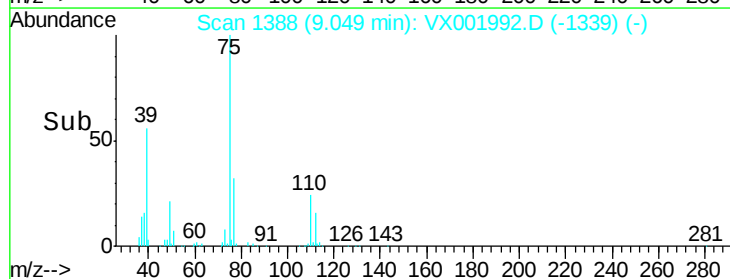
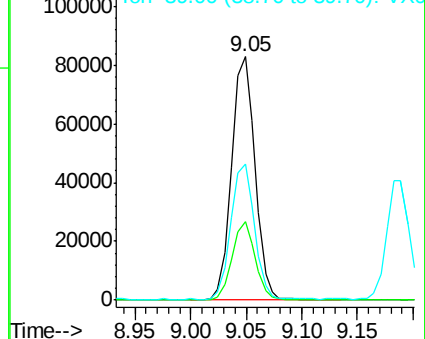
39 55.7 44.1 66.1

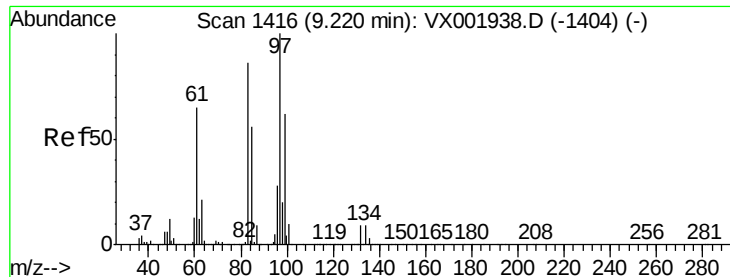


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





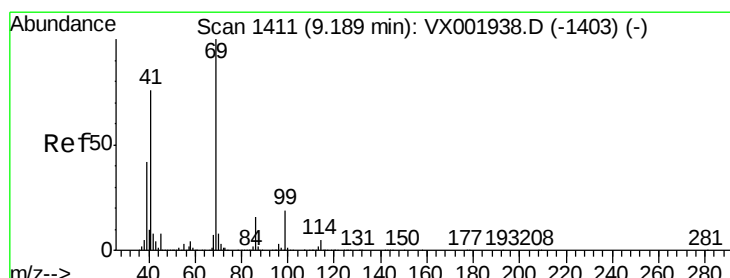
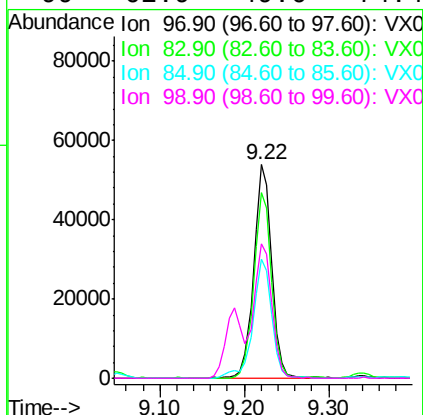
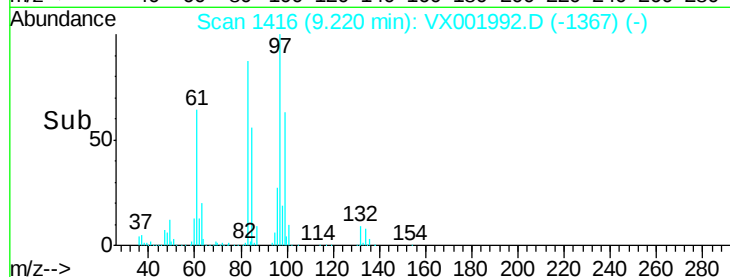
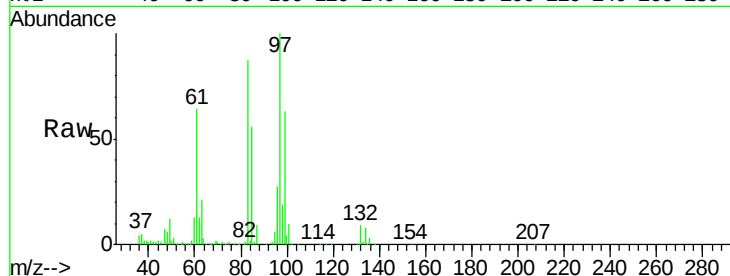
#55
 1,1,2-Trichloroethane
 Concen: 19.071 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001992.D
 Acq: 25 May 2018 22:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0525WBS02

Tot Ion:	97	Resp:	78295
Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.1	103.7
85	55.7	45.2	67.8
99	62.9	49.6	74.4

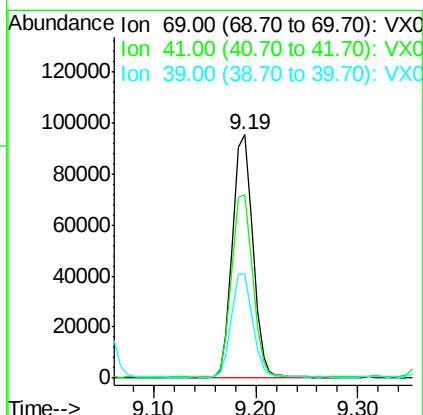
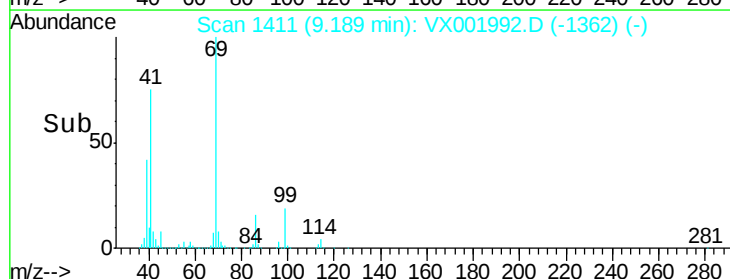
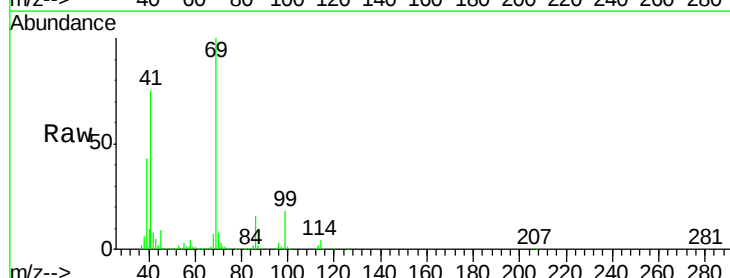
Manual Integrations
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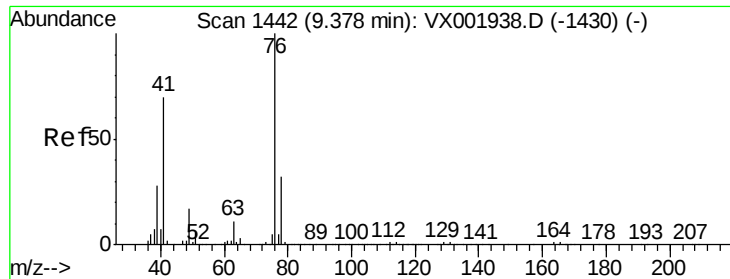
MMDadoda
 5/29/2018 4:39:24 PM



#56
 Ethyl methacrylate
 Concen: 18.707 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001992.D
 Acq: 25 May 2018 22:49

Tgt Ion:	69	Resp:	132097
Ion	Ratio	Lower	Upper
69	100		
41	77.7	61.0	91.6
39	44.2	34.4	51.6





#57

1,3-Dichloropropane

Concen: 19.425 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBS02

Tot Ion: 76 Resp: 131378

Ion Ratio Lower Upper

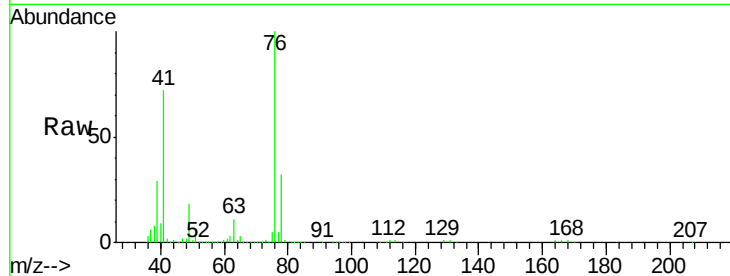
76 100

78 32.5 25.6 38.4

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

100000

80000

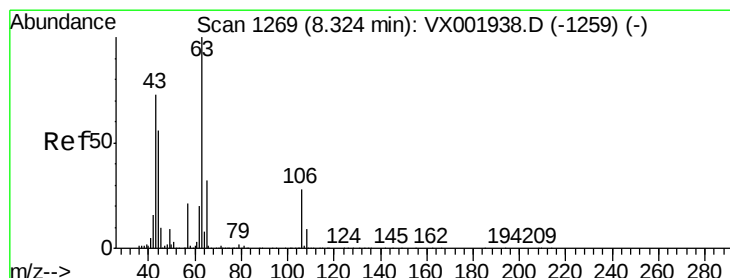
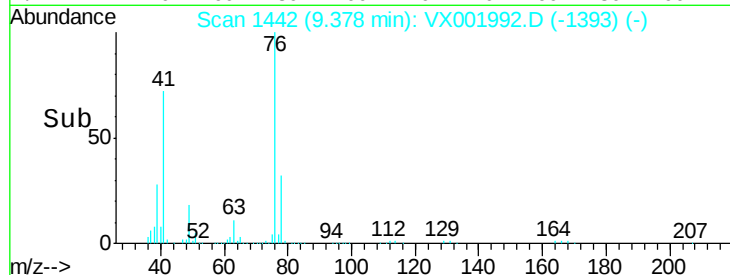
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 101.701 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX001992.D

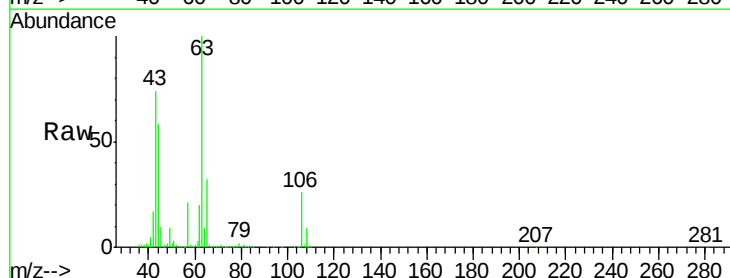
Acq: 25 May 2018 22:49

Tgt Ion: 63 Resp: 318309

Ion Ratio Lower Upper

63 100

106 26.7 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

200000

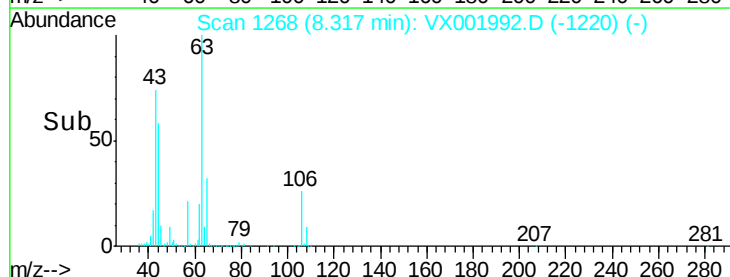
150000

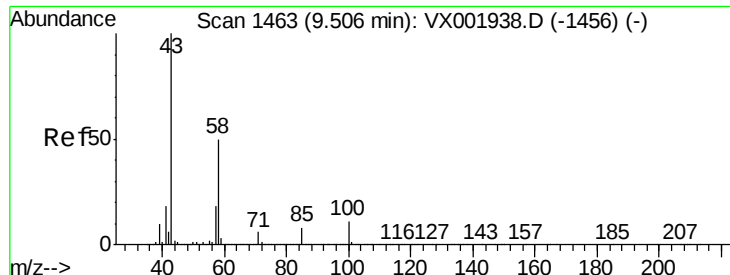
100000

50000

0

Time-->





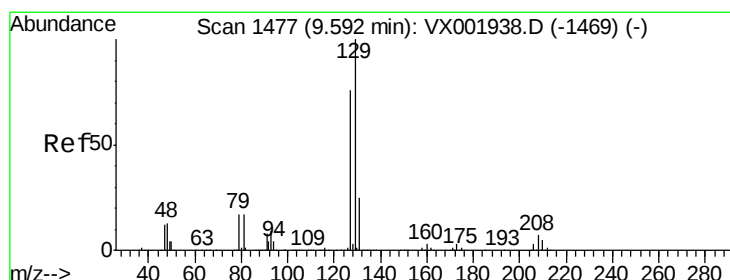
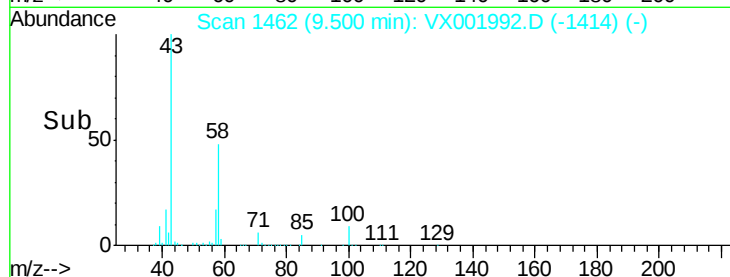
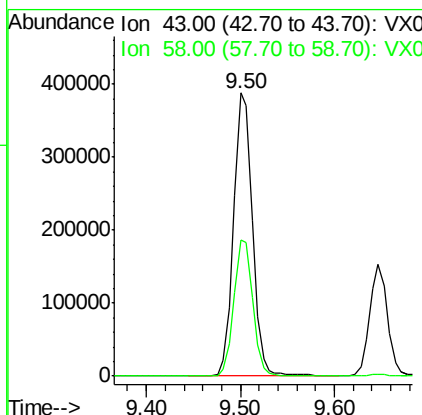
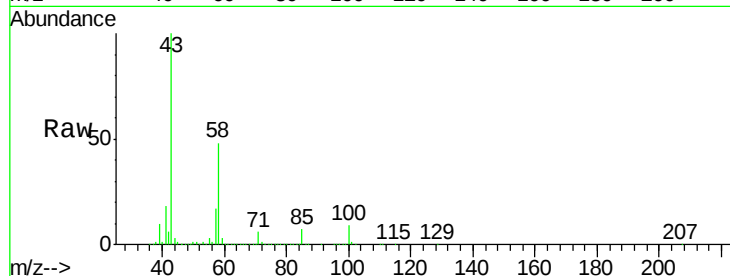
#59
2-Hexanone
Concen: 100.786 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX001992.D
Acq: 25 May 2018 22:49

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBS02

Tot Ion: 43 Resp: 536384
Ion Ratio Lower Upper
43 100
58 48.8 24.9 74.6

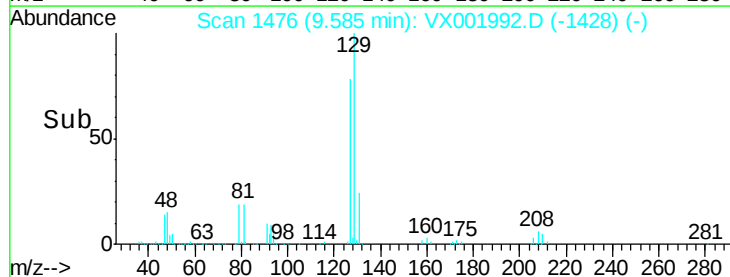
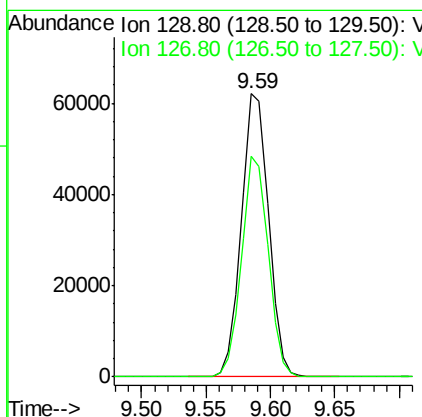
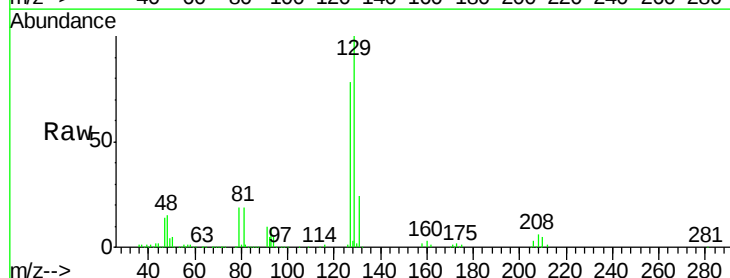
Manual Integrations
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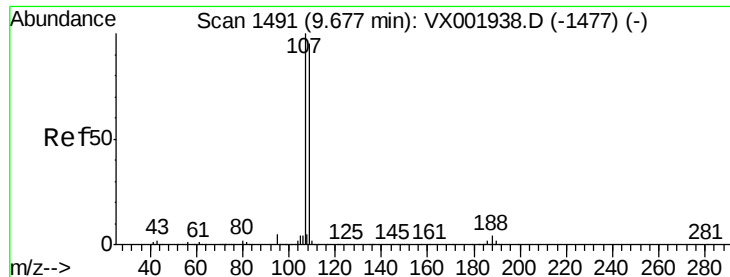
MMDadoda
5/29/2018 4:39:24 PM



#60
Dibromochloromethane
Concen: 18.630 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001992.D
Acq: 25 May 2018 22:49

Tgt Ion: 129 Resp: 90594
Ion Ratio Lower Upper
129 100
127 76.2 38.3 114.9





#61

1,2-Dibromoethane

Concen: 19.446 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBS02

Tot Ion: 107 Resp: 83770

Ion Ratio Lower Upper

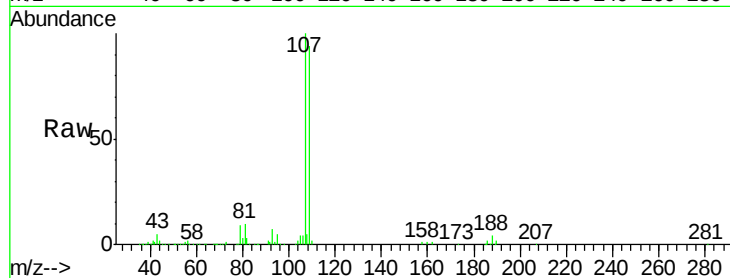
107 100

109 93.3 75.3 112.9

Manual Integrations
APPROVED

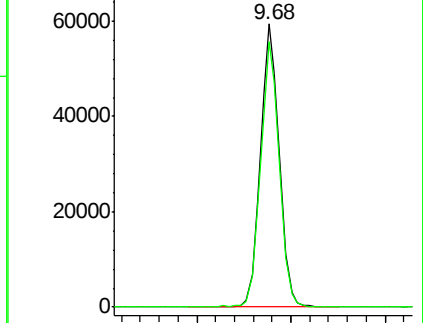
MMDadoda

5/29/2018 4:39:24 PM

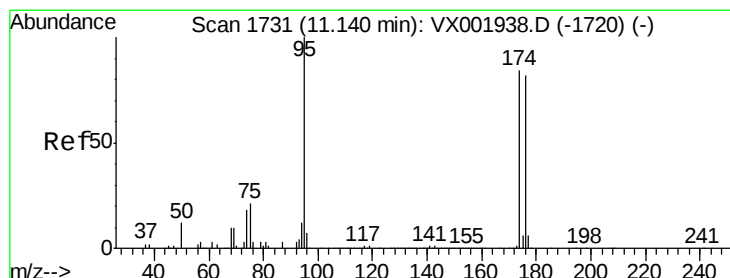
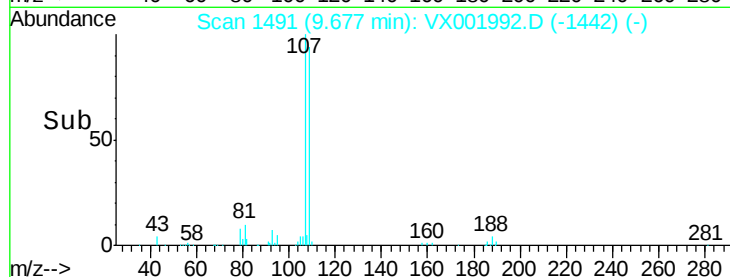


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 46.163 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

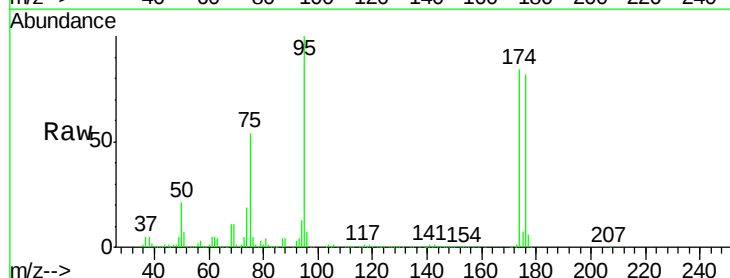
Tgt Ion: 95 Resp: 247790

Ion Ratio Lower Upper

95 100

174 90.9 0.0 178.8

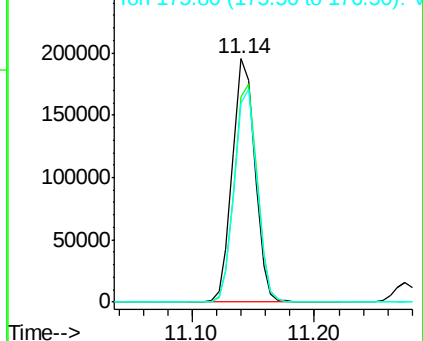
176 88.3 0.0 175.6



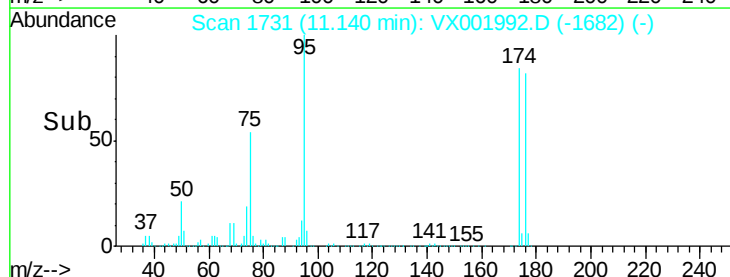
Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





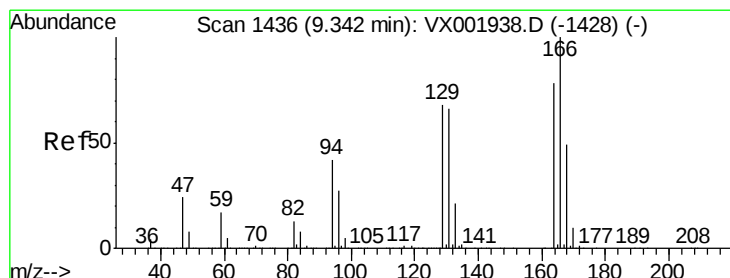
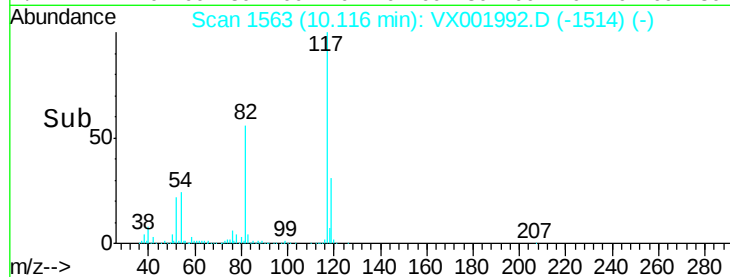
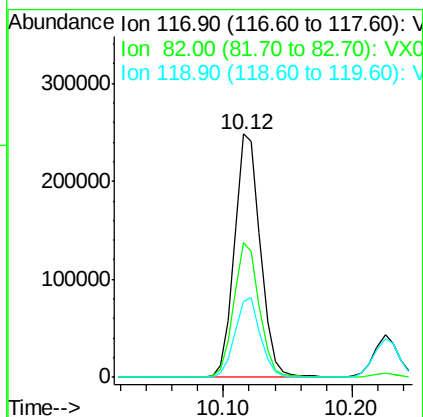
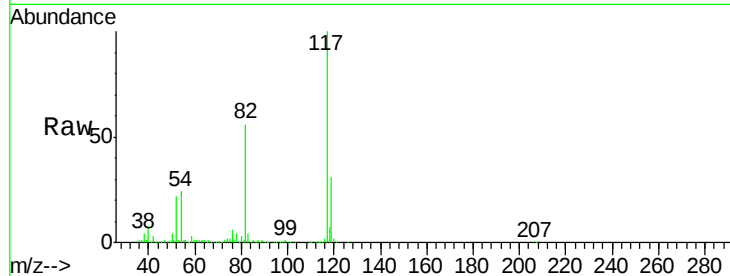
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001992.D
Acq: 25 May 2018 22:49

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.8	67.2
119	31.3	25.5	38.3

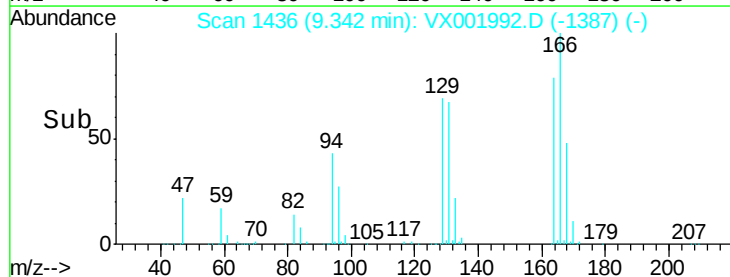
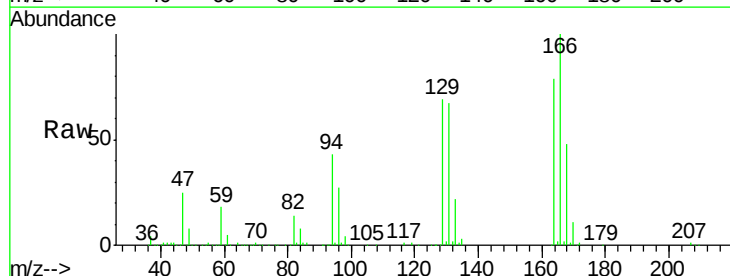
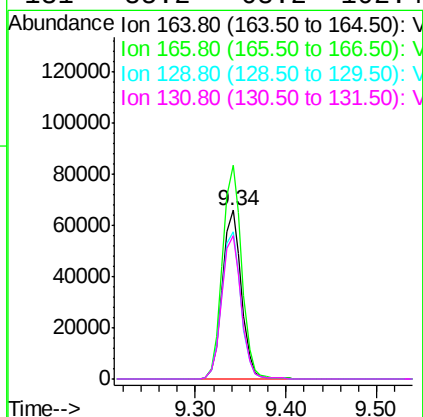
Manual Integrations
APPROVED

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5/29/2018 4:39:24 PM



#64
Tetrachloroethene
Concen: 19.361 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001992.D
Acq: 25 May 2018 22:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	102.7	154.1
129	87.6	70.3	105.5
131	85.2	68.2	102.4





#65

Chlorobenzene

Concen: 19.182 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBS02

Tot Ion:112 Resp: 211532

Ion Ratio Lower Upper

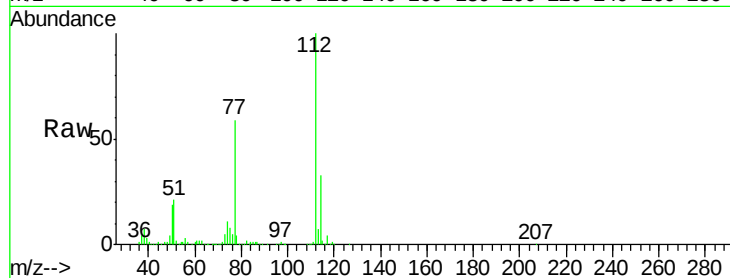
112 100

114 32.7 25.9 38.9

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.15

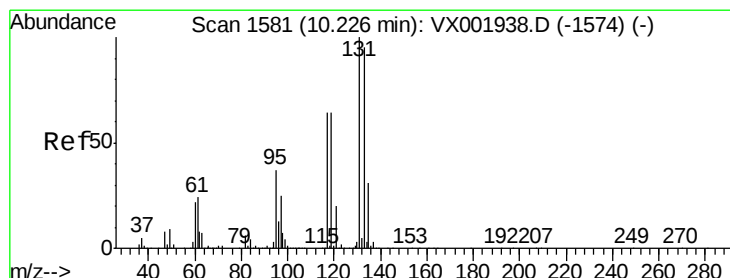
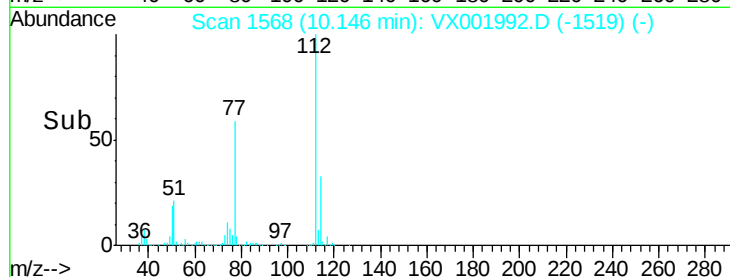
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.996 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

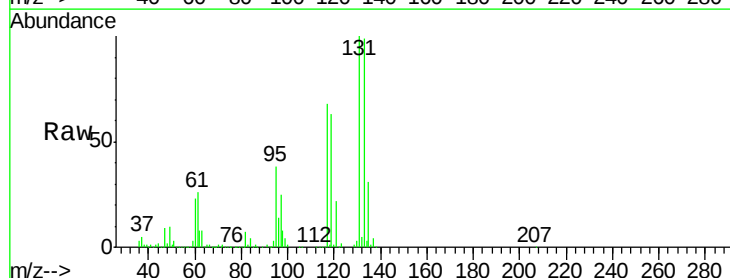
Tgt Ion:131 Resp: 84592

Ion Ratio Lower Upper

131 100

133 96.4 48.0 144.0

119 63.2 31.9 95.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.23

80000

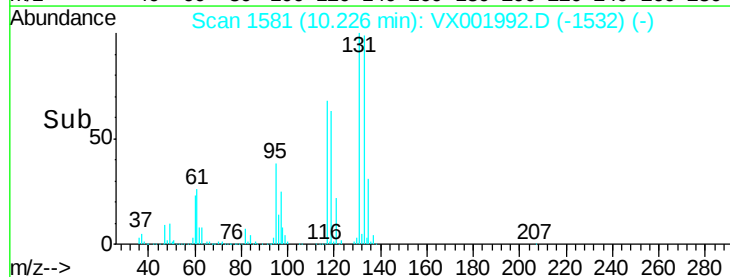
60000

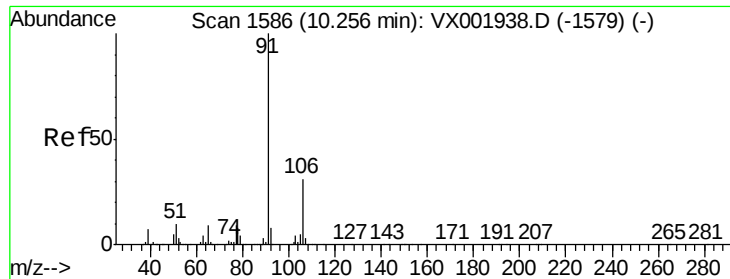
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 19.492 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBS02

Tot Ion: 91 Resp: 373459

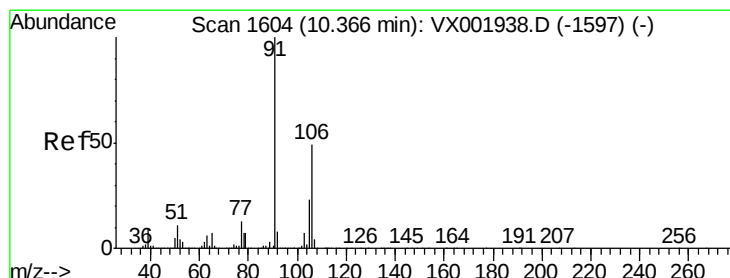
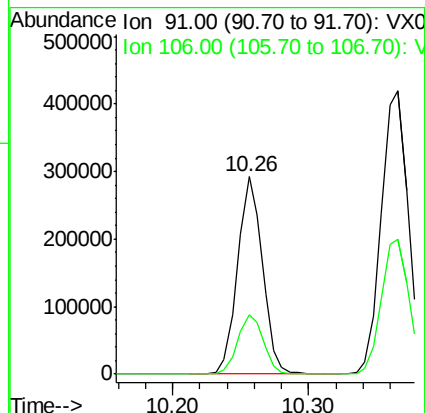
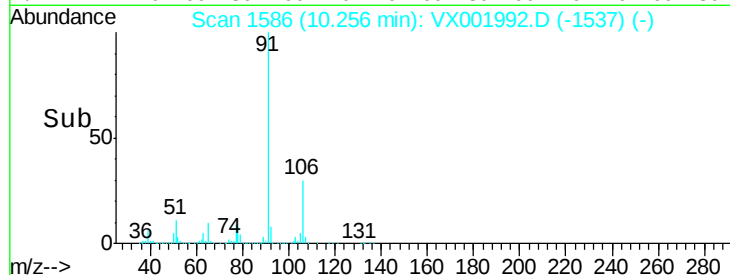
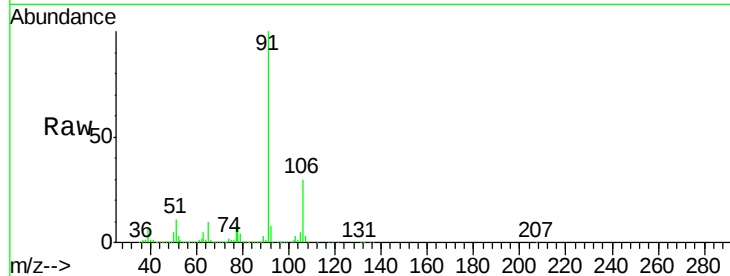
Ion Ratio Lower Upper

91 100

106 30.3 25.0 37.6

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 38.494 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX001992.D

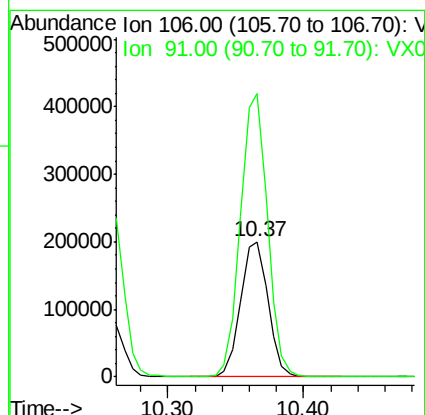
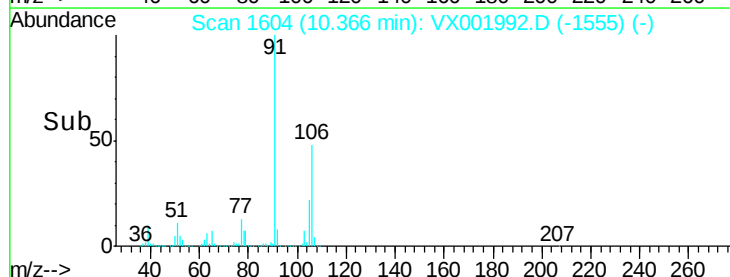
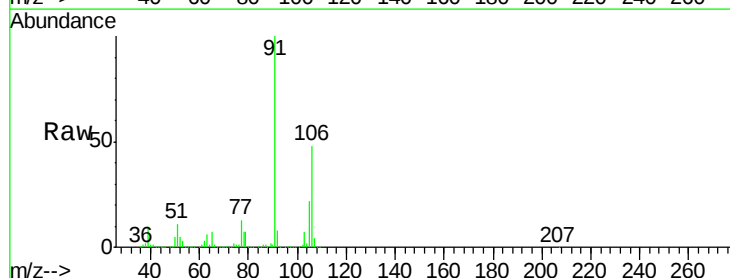
Acq: 25 May 2018 22:49

Tgt Ion: 106 Resp: 281938

Ion Ratio Lower Upper

106 100

91 206.3 165.0 247.6





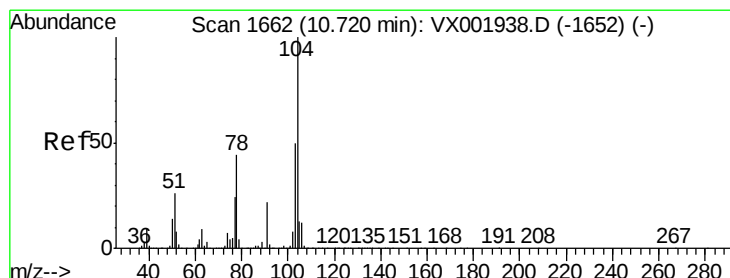
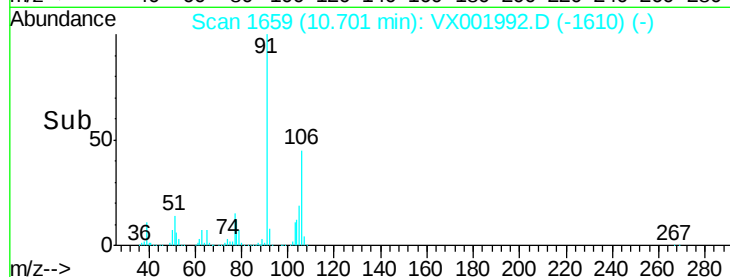
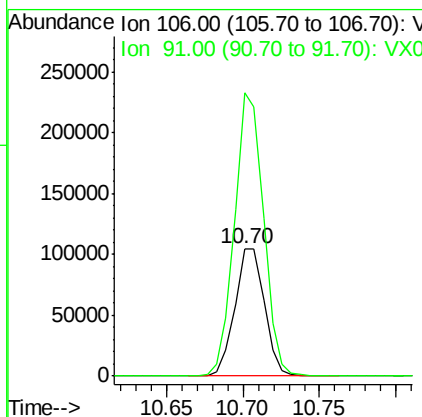
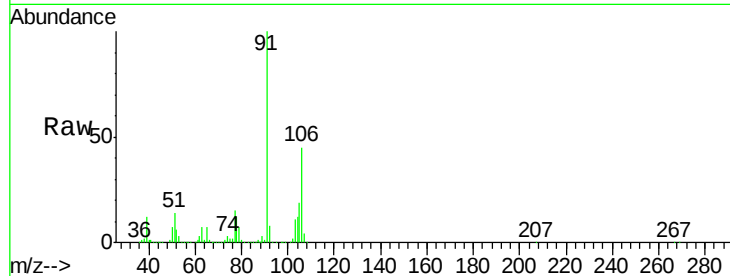
#69
o-Xylene
Concen: 19.313 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX001992.D
Acq: 25 May 2018 22:49

Instrument :
MSVOA_X
ClientSampled :
VX0525WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	141238		
91	91	217.1	108.7	325.9	

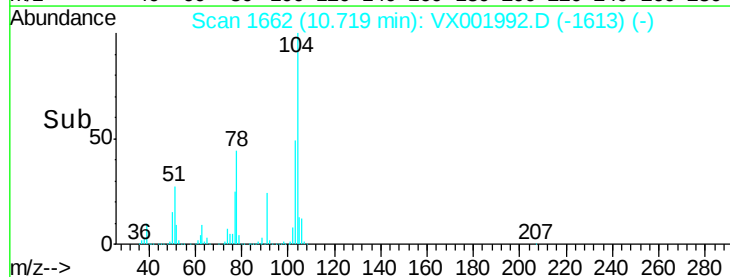
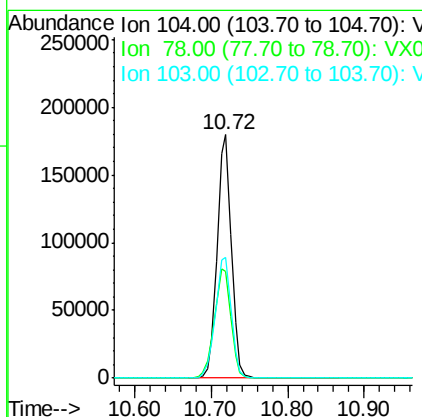
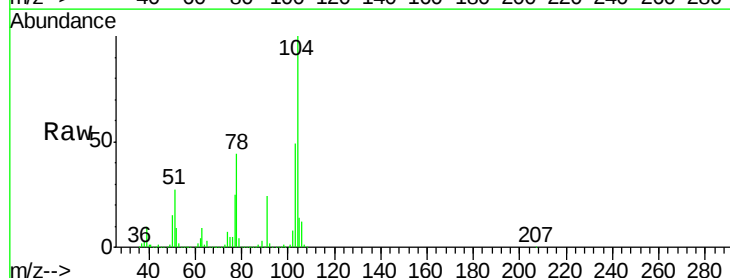
Manual Integrations
APPROVED

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5/29/2018 4:39:24 PM



#70
Styrene
Concen: 19.133 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001992.D
Acq: 25 May 2018 22:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	232046		
78	78	52.1	41.8	62.6	
103	103	55.8	44.6	67.0	





#71

Bromoform

Concen: 17.752 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Instrument :

MSVOA_X

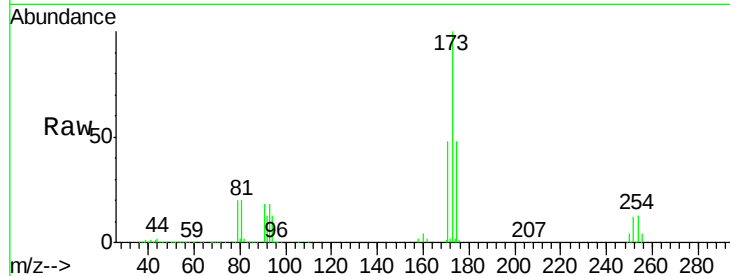
ClientSampleId :

VX0525WBS02

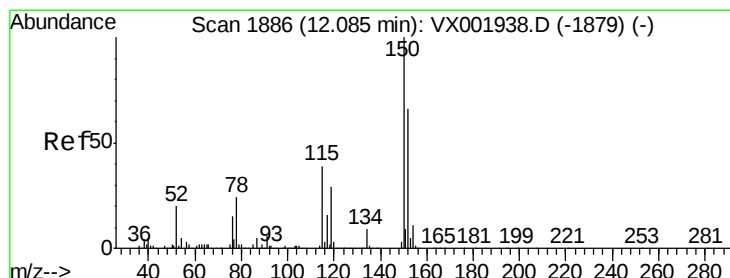
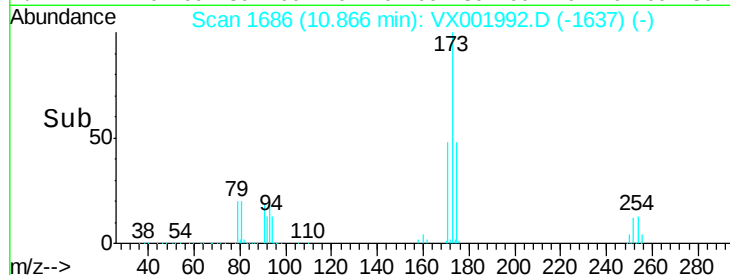
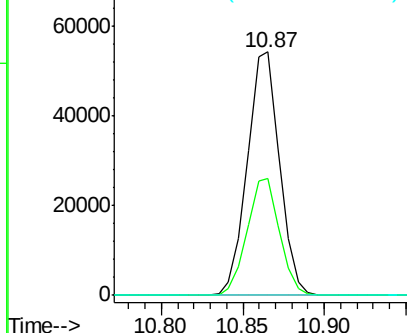
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	72.9
254	0.0	0.1	0.1#

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

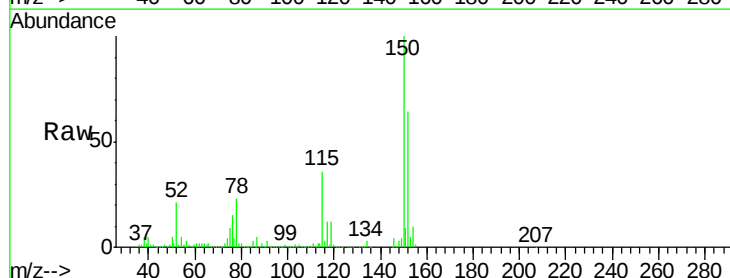
RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

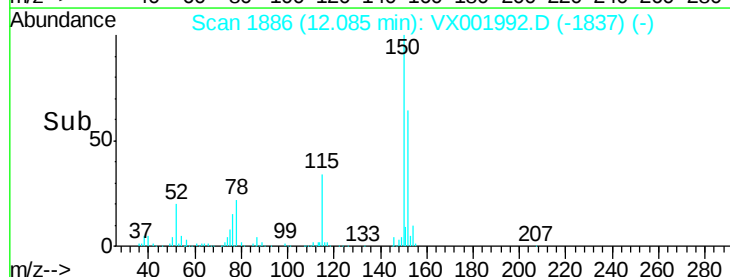
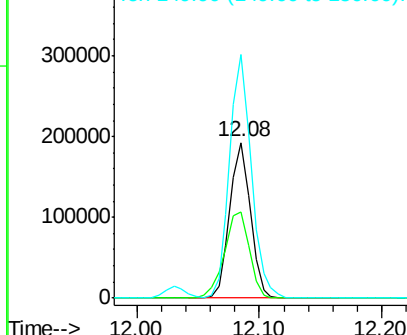
Lab File: VX001992.D

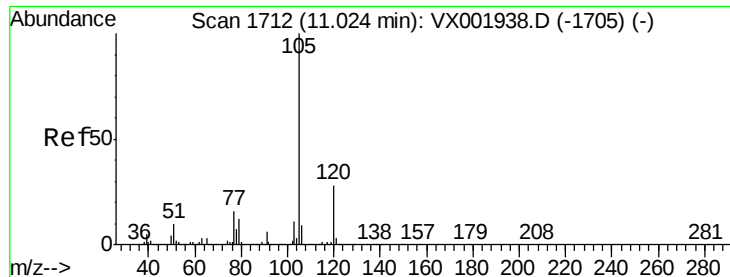
Acq: 25 May 2018 22:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.4	42.3	126.8
150	165.1	0.0	351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





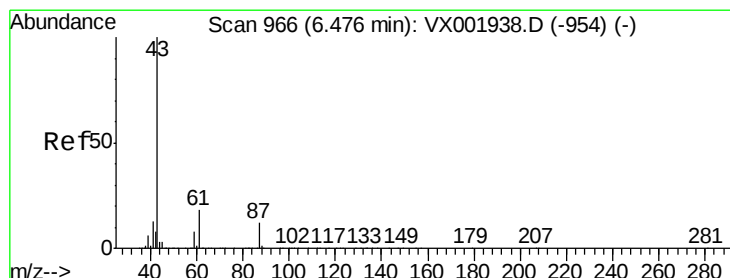
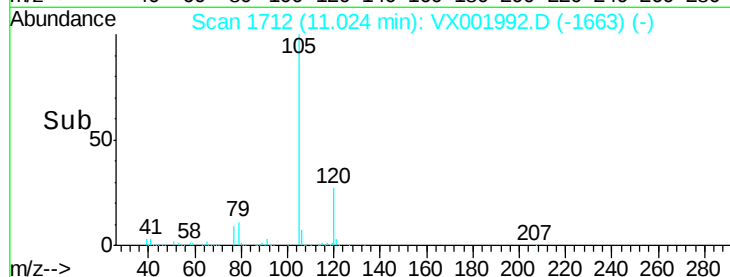
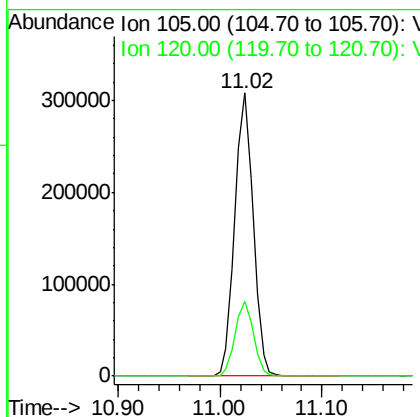
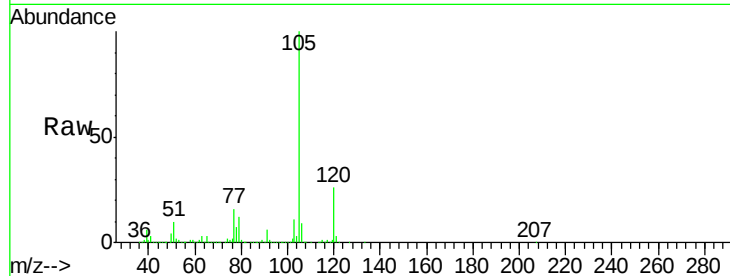
#73
Isopropylbenzene
Concen: 20.092 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX001992.D
Acq: 25 May 2018 22:49

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.6	40.7

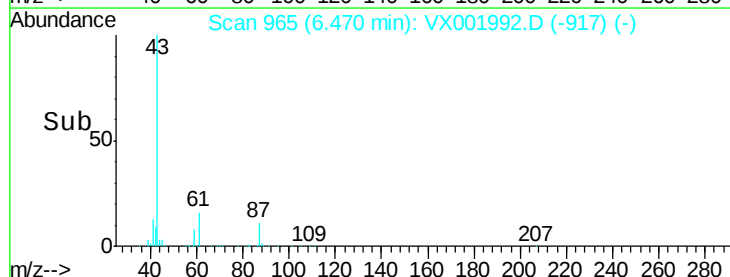
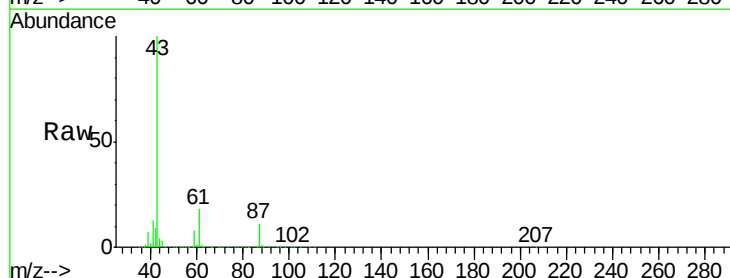
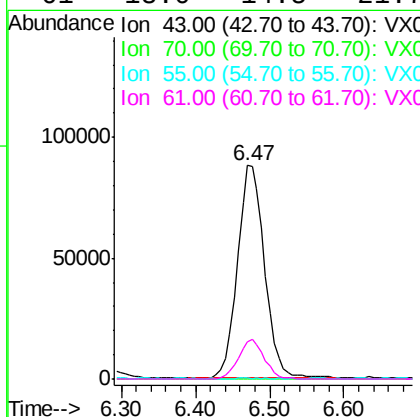
Manual Integrations
APPROVED

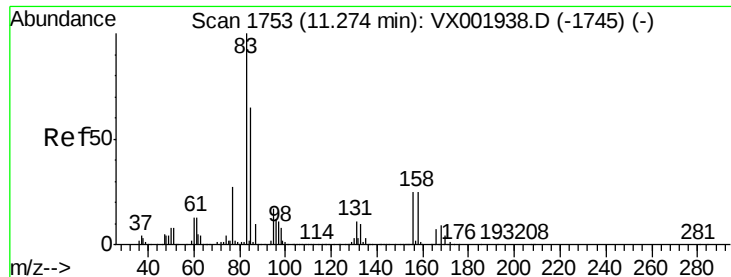
MMDadoda
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#74
N-ethyl acetate
Concen: 20.749 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.01 min
Lab File: VX001992.D
Acq: 25 May 2018 22:49

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.1	0.1	0.1#
55	0.1	0.1	0.1#
61	18.0	14.5	21.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.127 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Instrument :

MSVOA_X

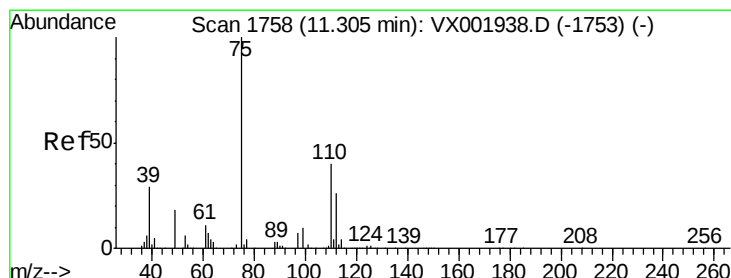
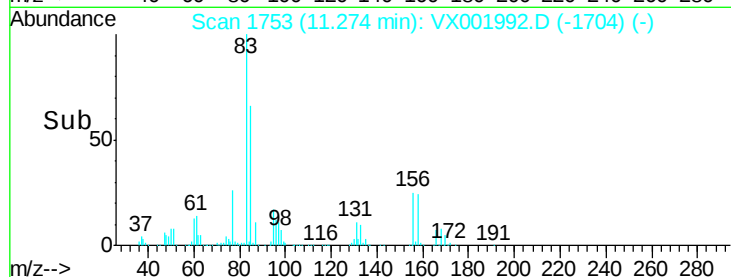
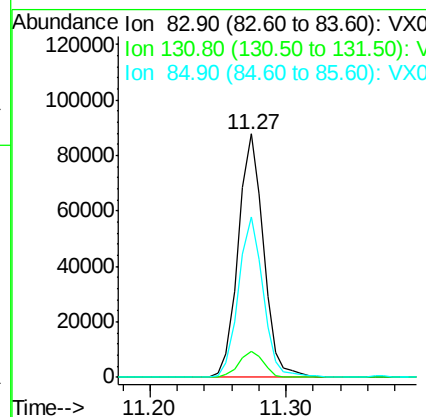
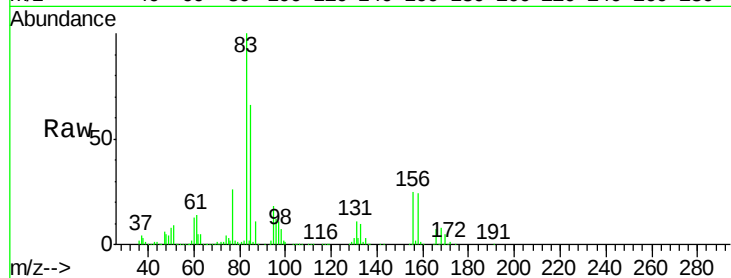
ClientSampleId :

VX0525WBS02

Tot Ion:	83	Resp:	113542
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.7	17.0
85	65.1	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.037 ug/l m

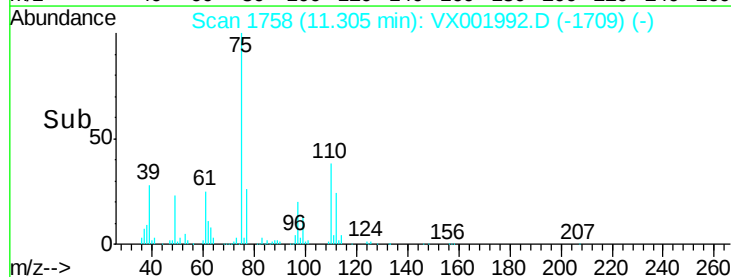
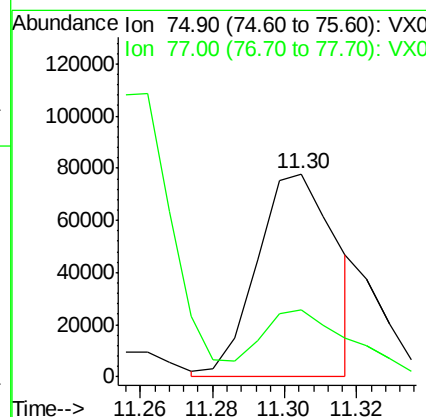
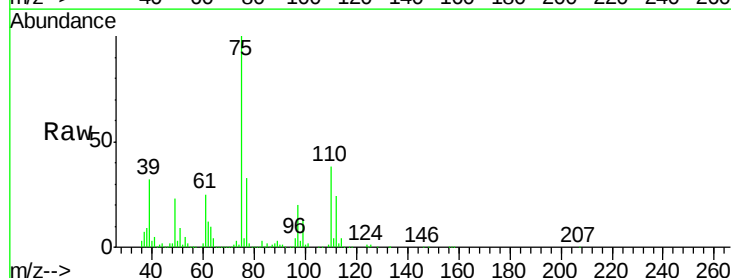
RT: 11.30 min Scan# 1758

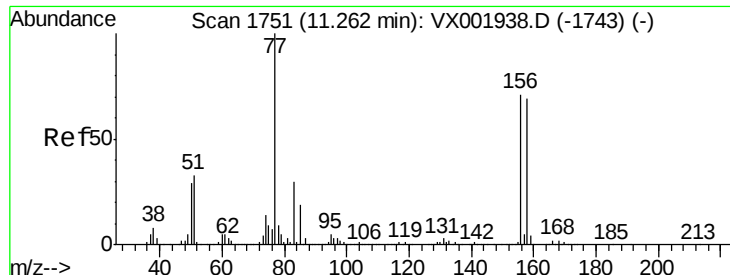
Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Tgt Ion:	75	Resp:	118718
Ion Ratio	Lower	Upper	
75	100		
77	36.9	22.8	68.3





#77

Bromobenzene

Concen: 19.766 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Instrument :

MSVOA_X

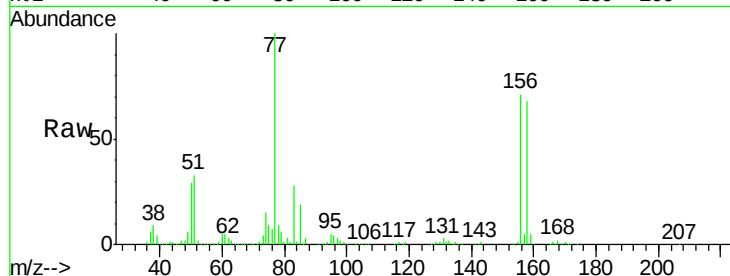
ClientSampleId :

VX0525WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	148.6	75.2	225.6
158	96.5	48.6	145.8

Manual Integrations
APPROVED

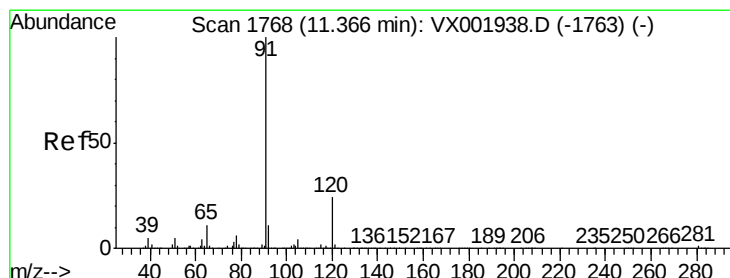
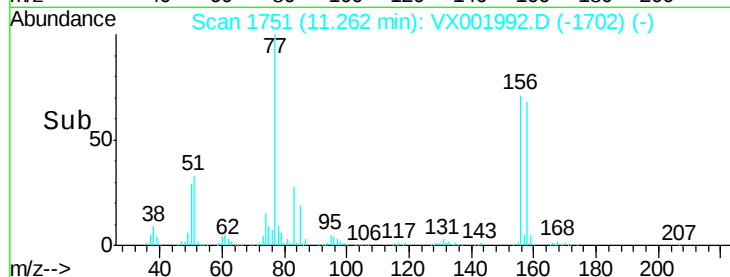
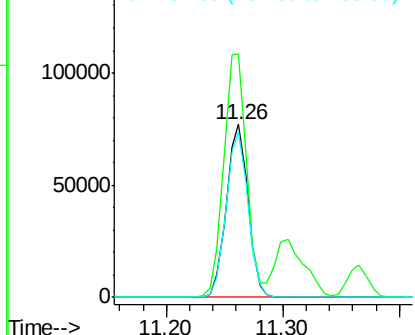
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.744 ug/l

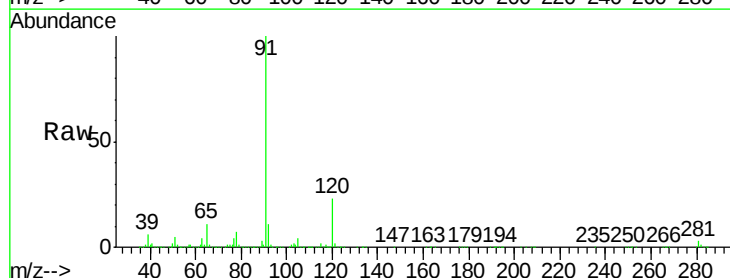
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001992.D

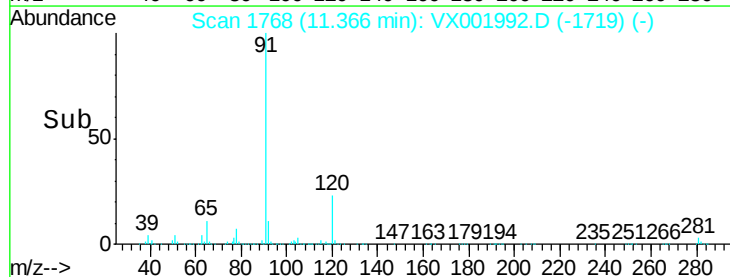
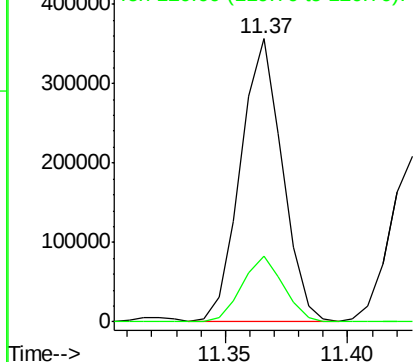
Acq: 25 May 2018 22:49

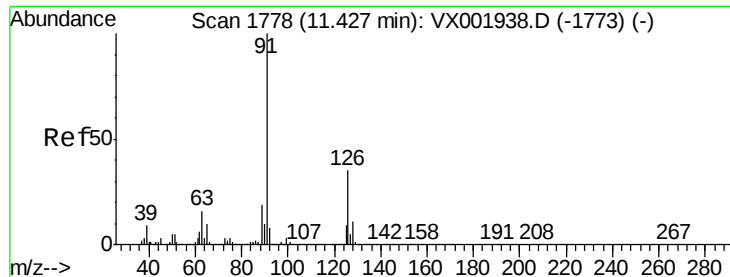
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.9	35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.361 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBS02

Tot Ion: 91 Resp: 253533

Ion Ratio Lower Upper

91 100

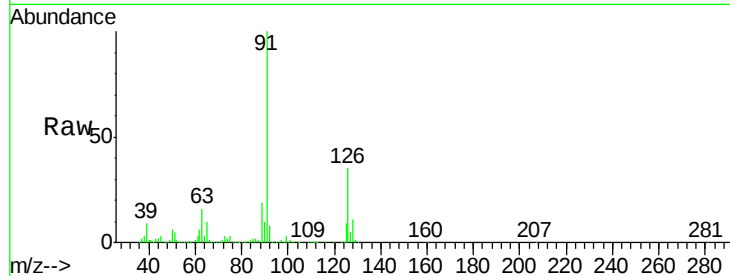
126 34.7 17.4 52.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX001938.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX001938.D (-1773) (-)

400000

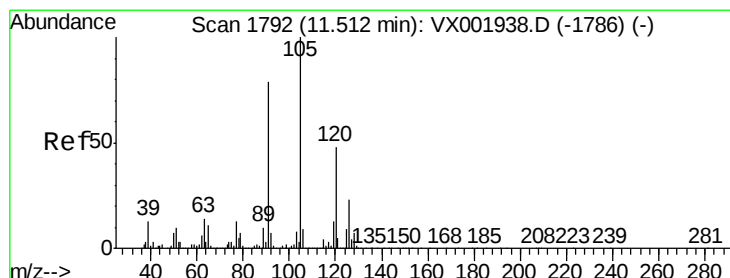
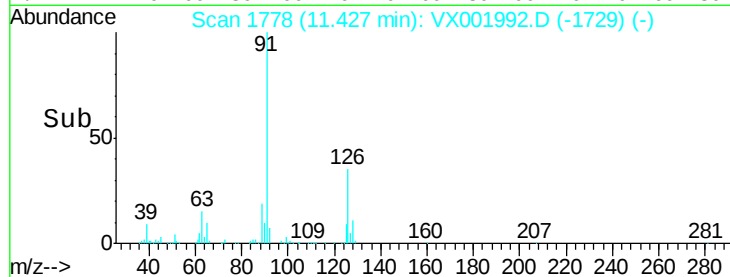
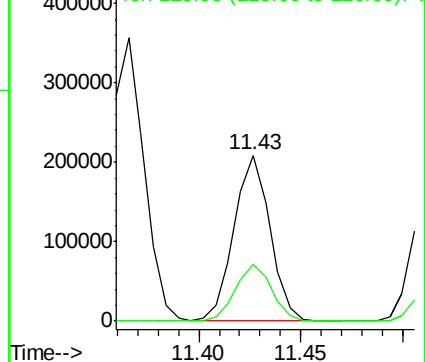
300000

200000

100000

0

11.40 11.45



#80

1,3,5-Trimethylbenzene

Concen: 19.475 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001992.D

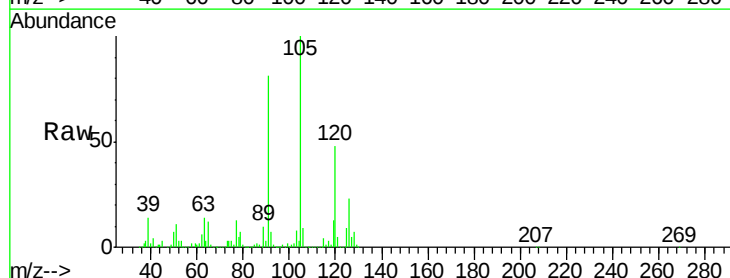
Acq: 25 May 2018 22:49

Tgt Ion: 105 Resp: 316093

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VX001938.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX001938.D (-1786) (-)

300000

250000

200000

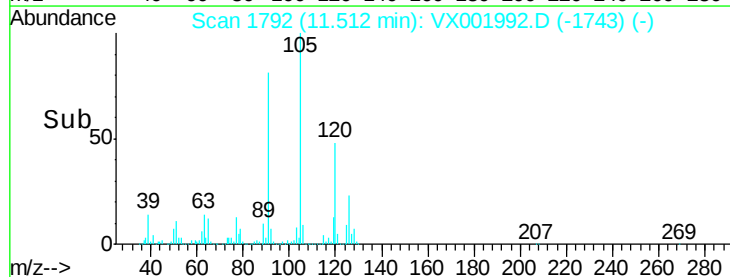
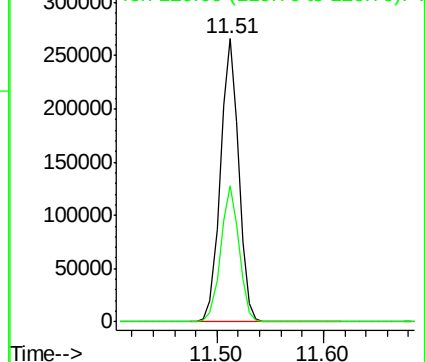
150000

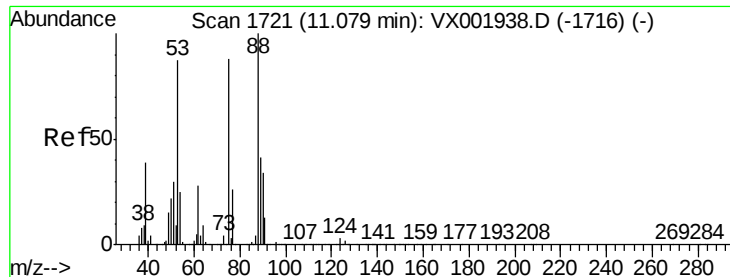
100000

50000

0

11.50 11.60





#81

trans-1,4-Dichloro-2-butene

Concen: 15.798 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Instrument :

MSVOA_X

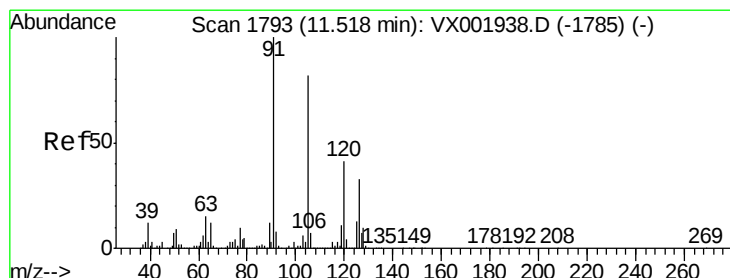
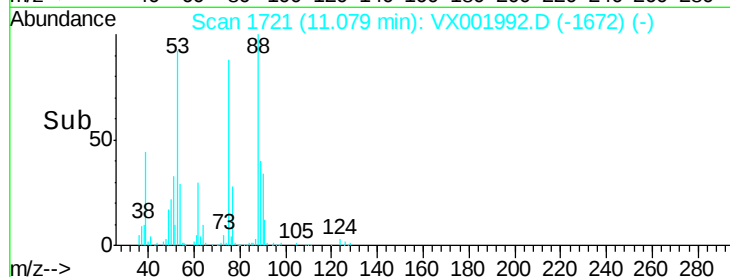
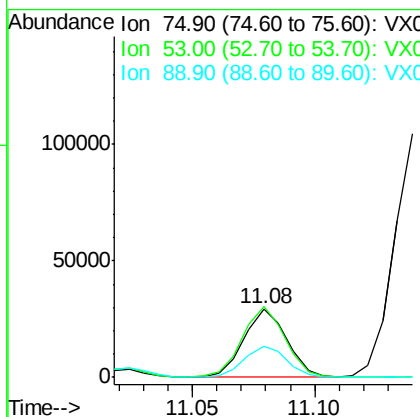
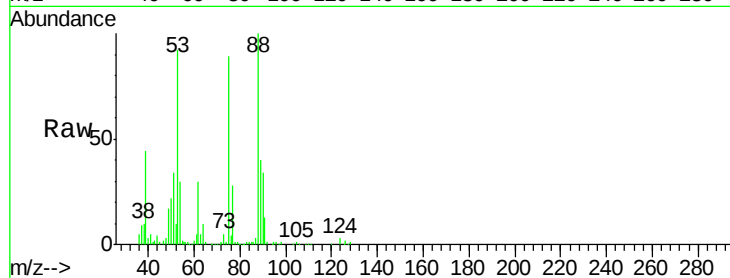
ClientSampled :

VX0525WBS02

Tot Ion:	75	Resp:	35411
Ion Ratio	Lower	Upper	
75	100		
53	102.7	78.0	117.0
89	47.0	39.4	59.2

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#82

4-Chlorotoluene

Concen: 19.503 ug/l

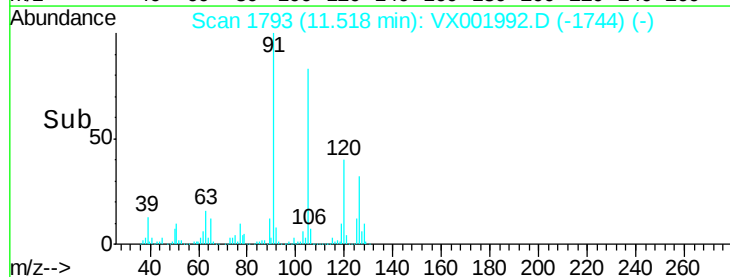
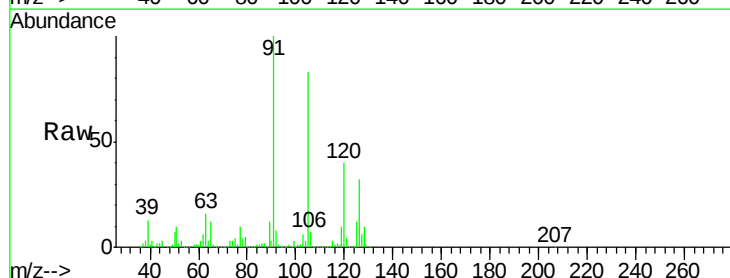
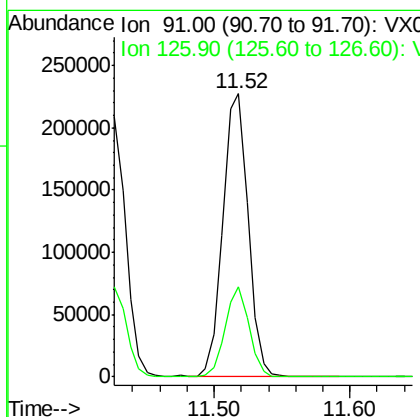
RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Tgt Ion:	91	Resp:	292596
Ion Ratio	Lower	Upper	
91	100		
126	30.1	15.3	45.8





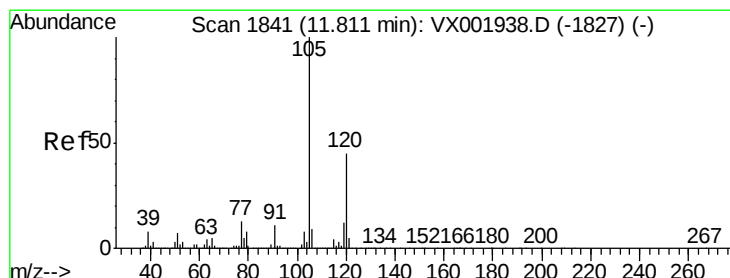
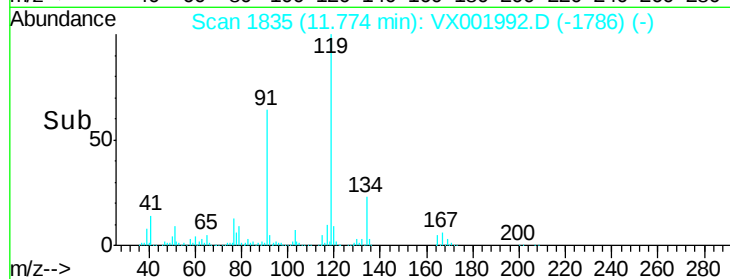
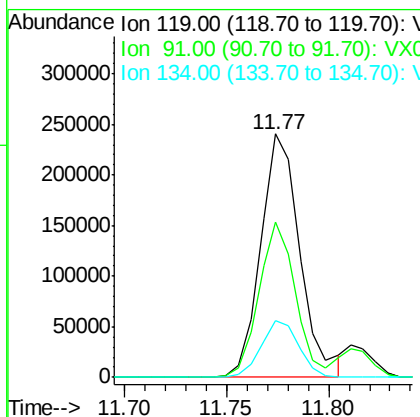
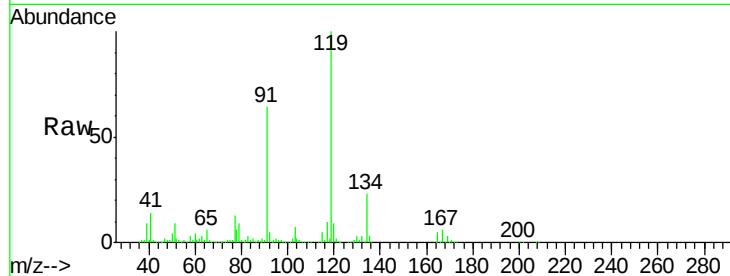
#83
tert-Butylbenzene
Concen: 20.194 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX001992.D
Acq: 25 May 2018 22:49

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	321626		
91	59.4		30.6	91.8
134	22.5		11.7	35.0

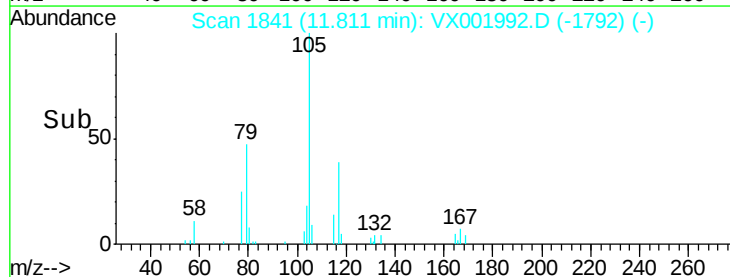
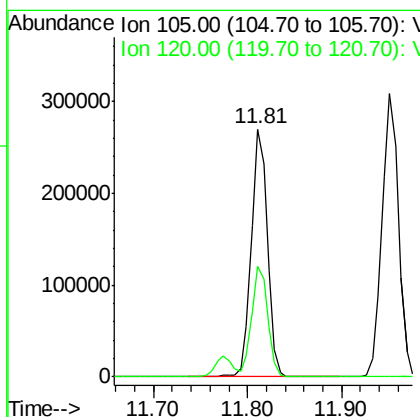
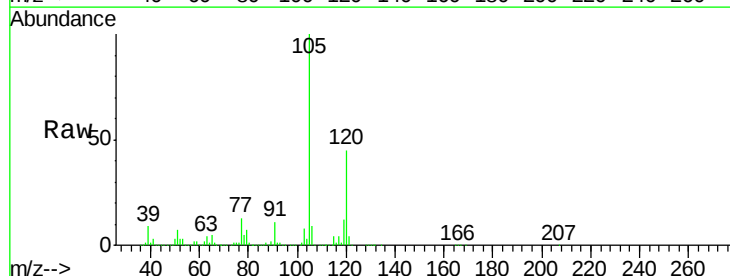
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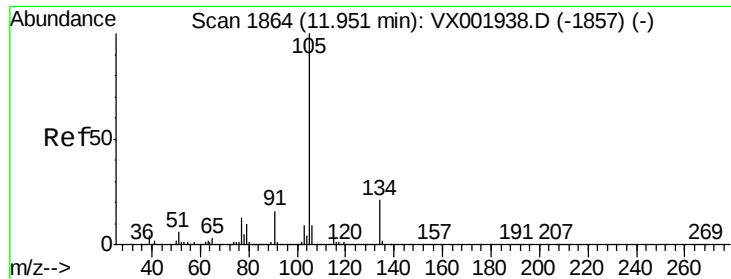
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#84
1,2,4-Trimethylbenzene
Concen: 19.472 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX001992.D
Acq: 25 May 2018 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	326600		
120	44.1		22.1	66.5





#85

sec-Butylbenzene

Concen: 19.656 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBS02

Tot Ion:105 Resp: 376326

Ion Ratio Lower Upper

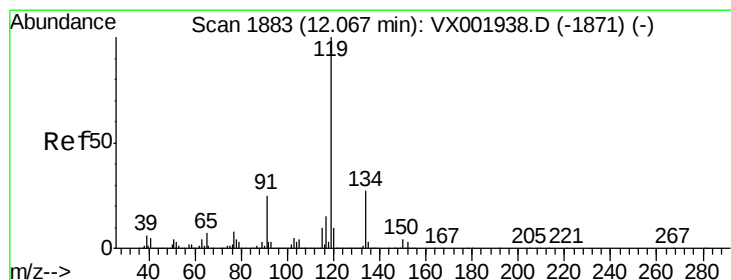
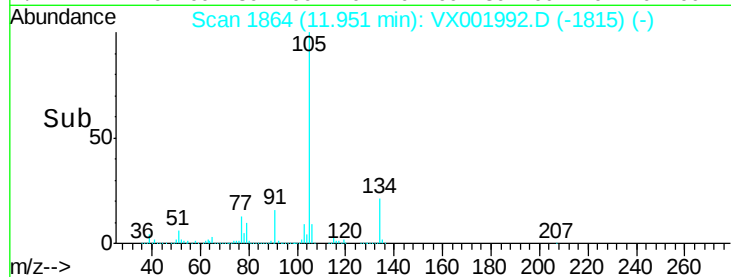
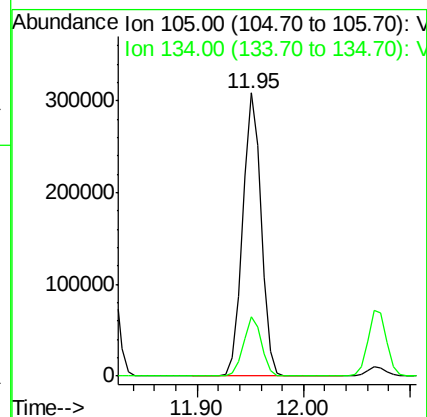
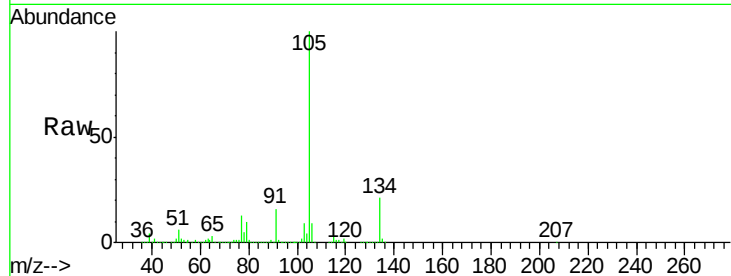
105 100

134 20.6 10.4 31.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 19.396 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

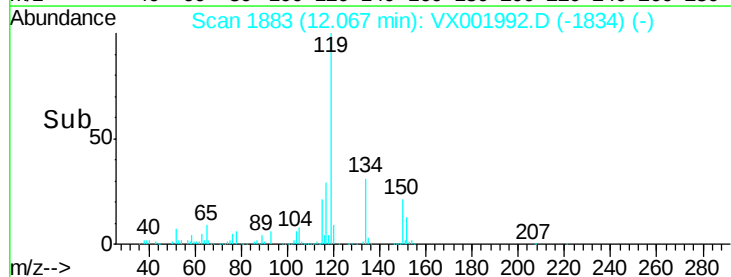
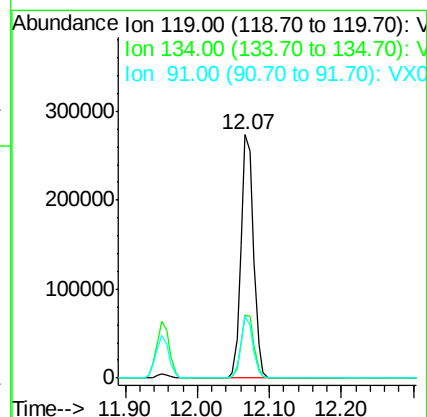
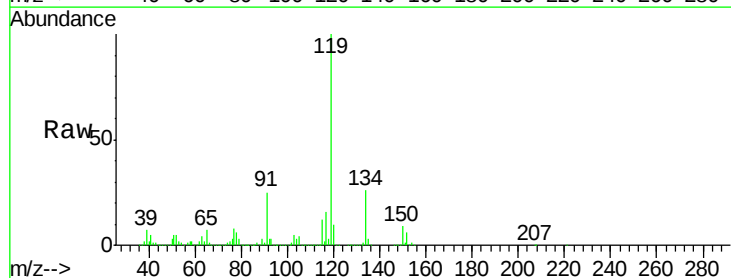
Tgt Ion:119 Resp: 332295

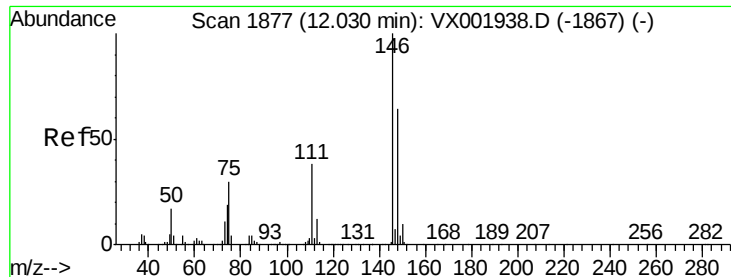
Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.8

91 24.5 12.2 36.4





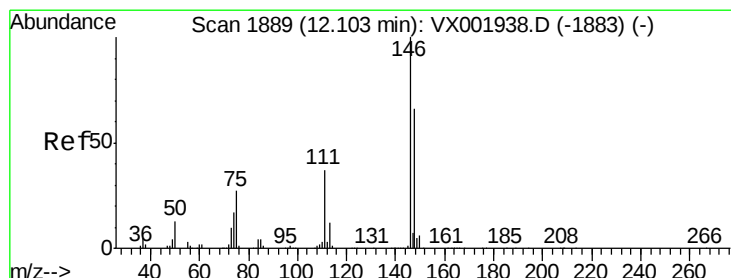
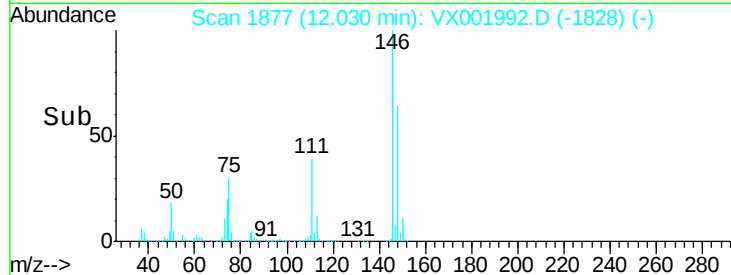
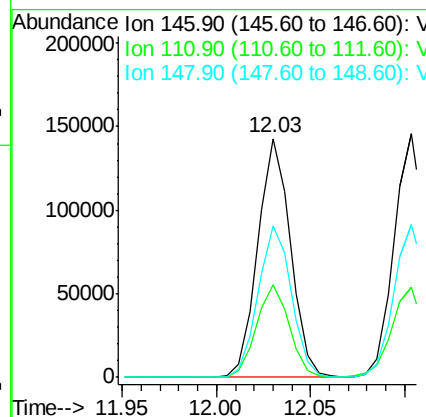
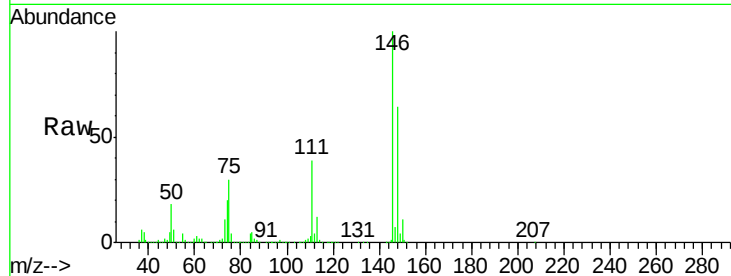
#87
 1,3-Dichlorobenzene
 Concen: 19.065 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001992.D
 Acq: 25 May 2018 22:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0525WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.3	57.8
148	64.5	32.1	96.3

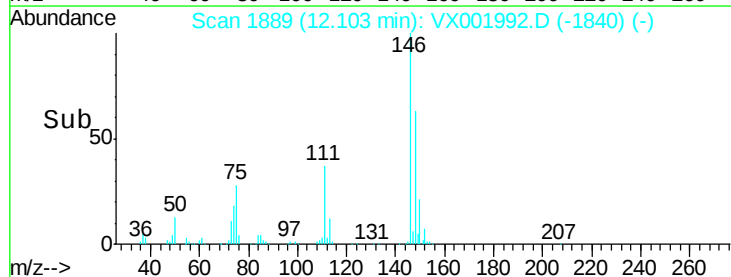
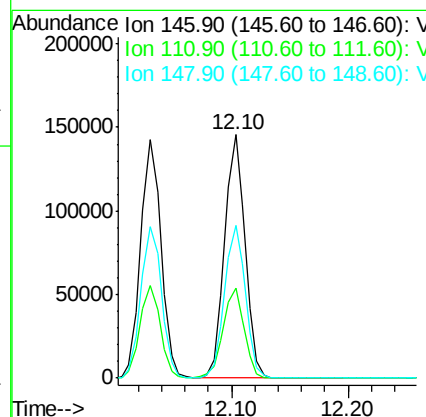
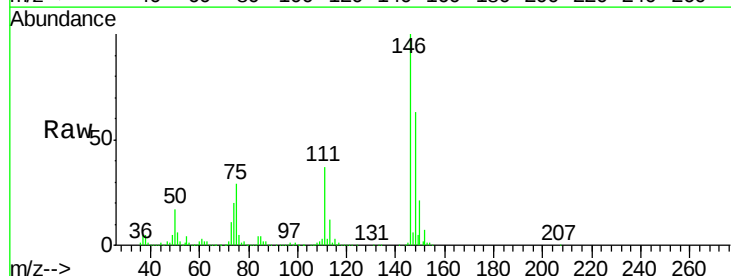
Manual Integrations
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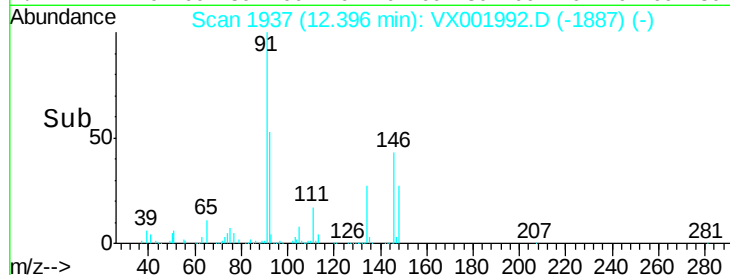
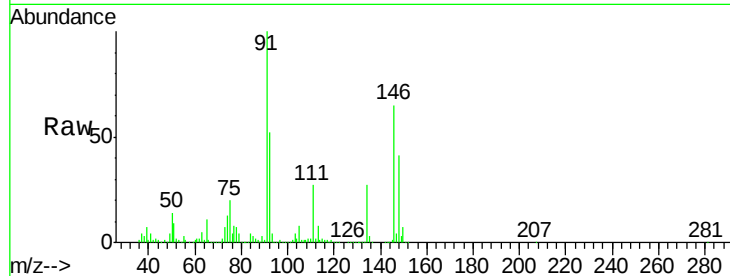
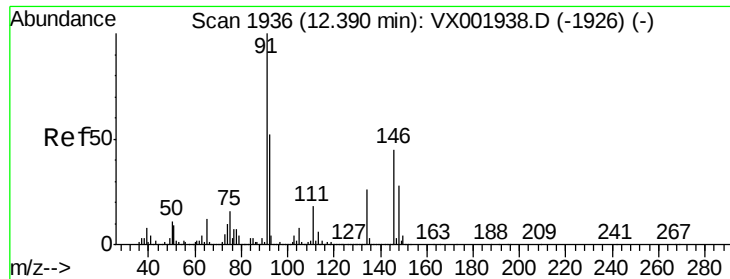
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#88
 1,4-Dichlorobenzene
 Concen: 19.499 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001992.D
 Acq: 25 May 2018 22:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.9	56.5
148	64.2	32.3	96.8





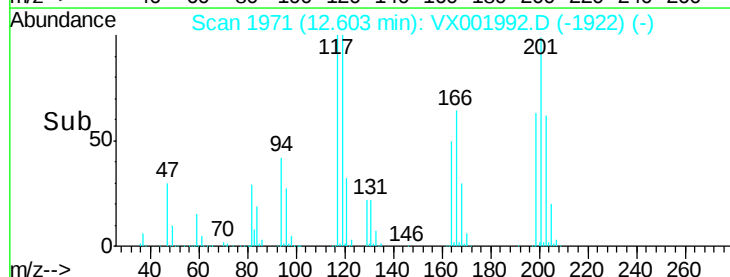
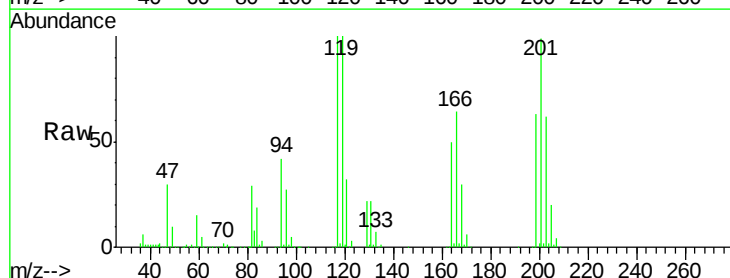
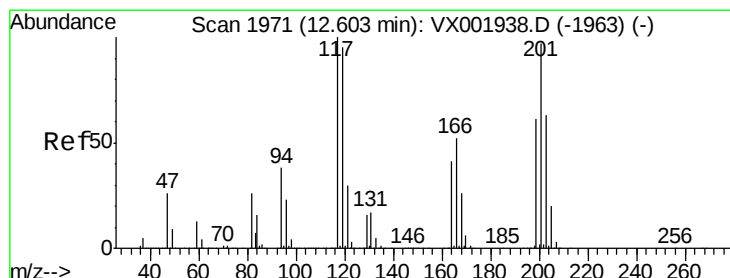
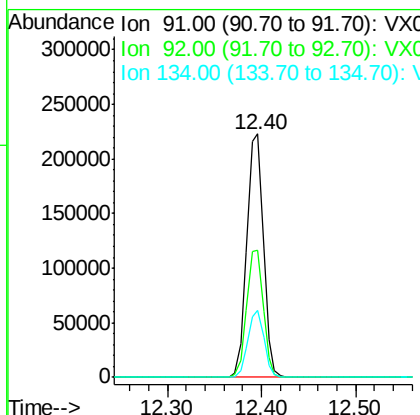
#89
n-Butylbenzene
Concen: 18.902 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.01 min
Lab File: VX001992.D
Acq: 25 May 2018 22:49

Tot Ion	Ratio	Resp	Lower	Upper
91	100	274399		
92	52.5	26.3	78.9	
134	26.8	13.6	40.7	

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBS02

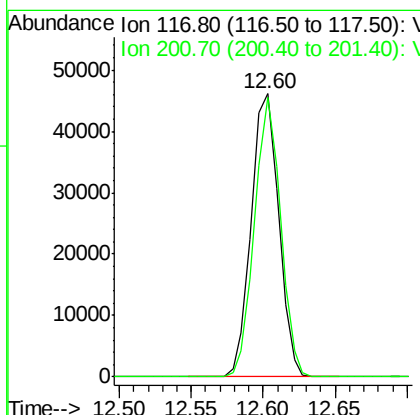
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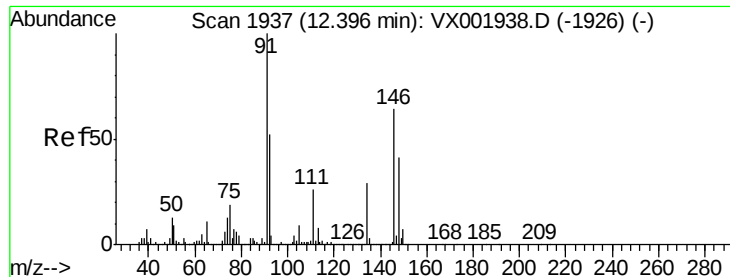
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#90
Hexachloroethane
Concen: 17.986 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001992.D
Acq: 25 May 2018 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	60782		
201	93.2	48.0	144.0	





#91

1,2-Dichlorobenzene

Concen: 19.502 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Instrument :

MSVOA_X

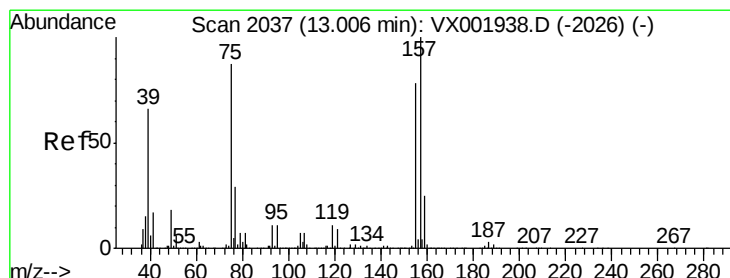
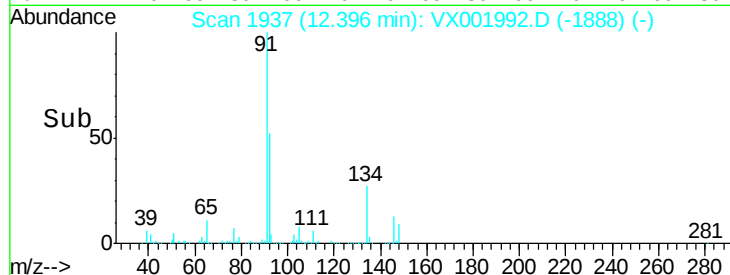
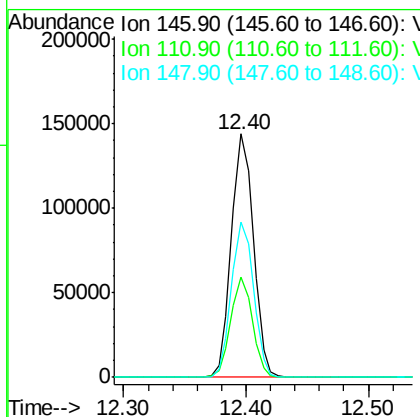
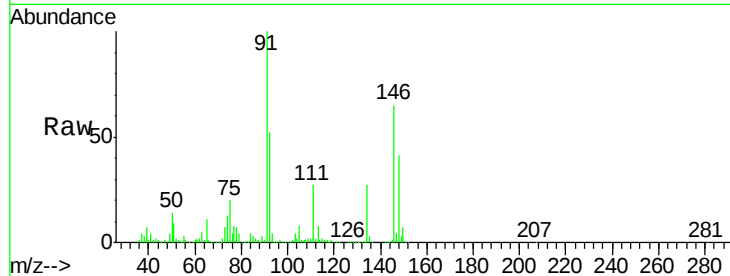
ClientSampleId :

VX0525WBS02

Tot Ion:	146	Resp:	179315
Ion Ratio	Lower	Upper	
146	100		
111	40.5	19.8	59.3
148	64.1	32.1	96.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.982 ug/l

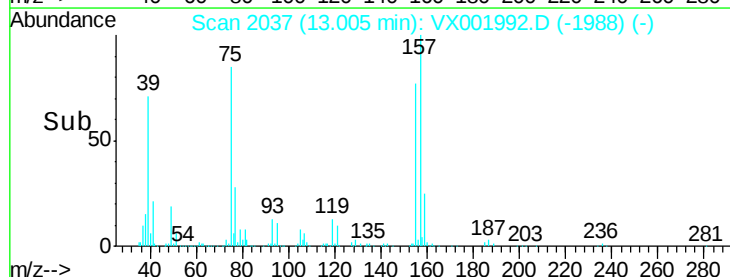
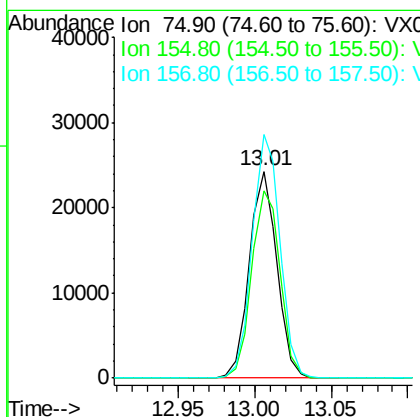
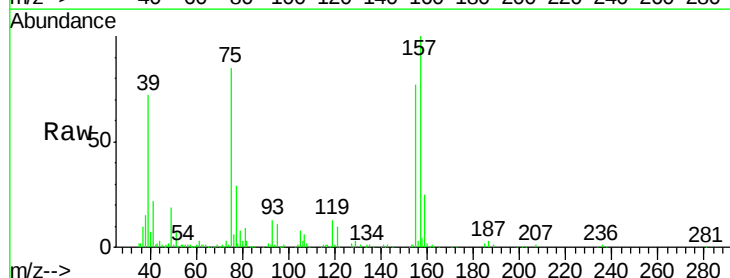
RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Tgt Ion:	75	Resp:	30364
Ion Ratio	Lower	Upper	
75	100		
155	93.8	45.1	135.2
157	118.7	58.1	174.2





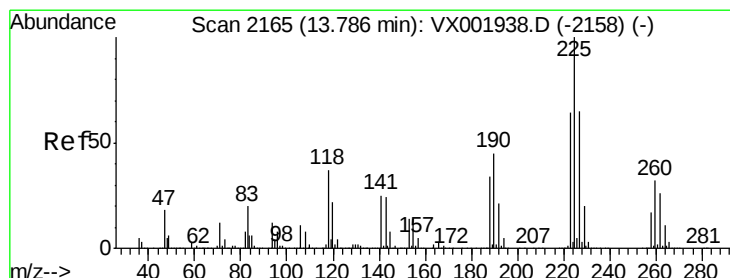
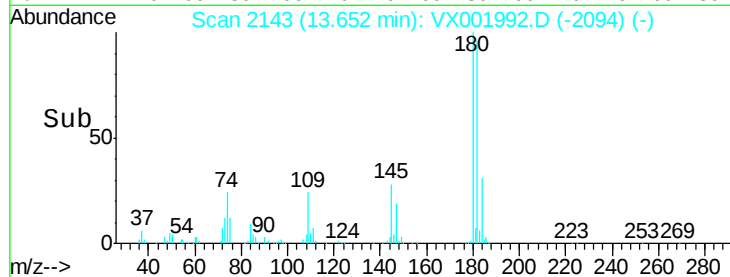
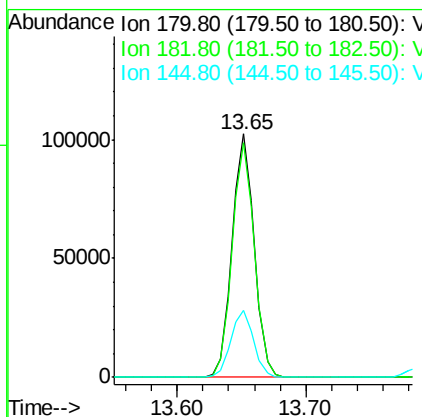
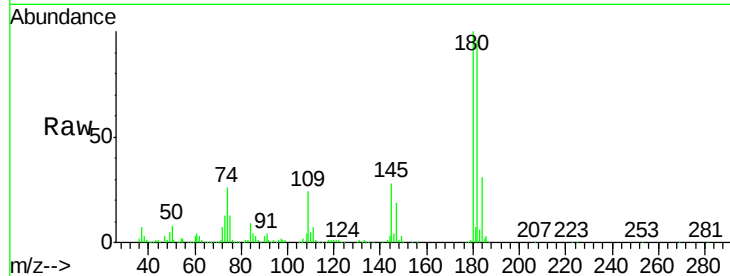
#93
 1,2,4-Trichlorobenzene
 Concen: 18.762 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001992.D
 Acq: 25 May 2018 22:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0525WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	123354		
182	96.6	47.7	143.1	
145	28.3	14.4	43.0	

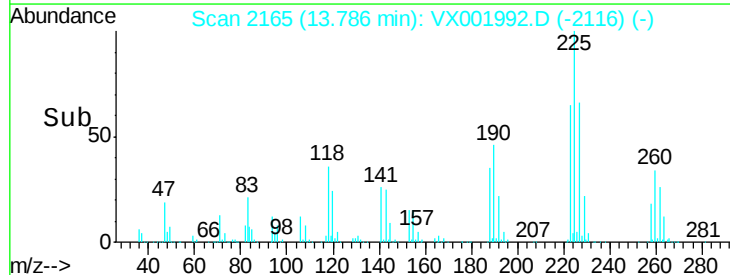
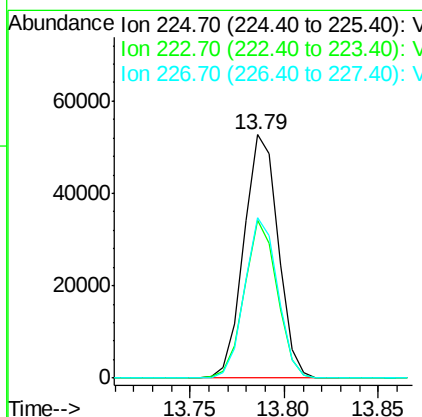
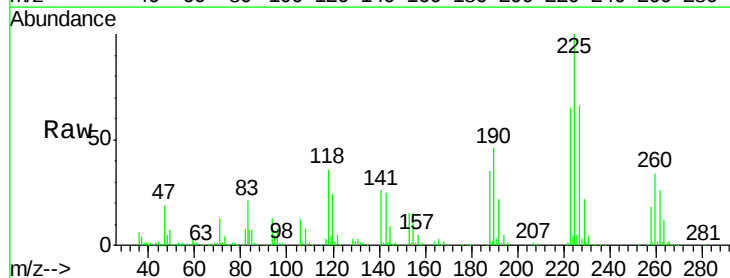
Manual Integrations
 APPROVED

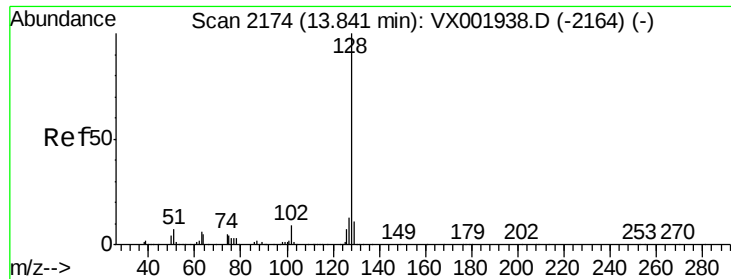
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 5/29/2018 4:39:24 PM



#94
 Hexachlorobutadiene
 Concen: 18.817 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001992.D
 Acq: 25 May 2018 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66552		
223	61.9	31.1	93.5	
227	63.5	32.1	96.5	





#95

Naphthalene

Concen: 19.903 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Instrument :

MSVOA_X

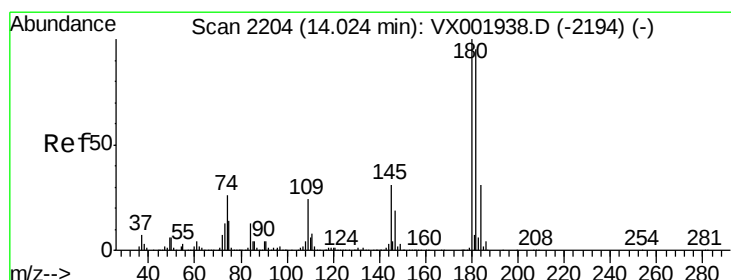
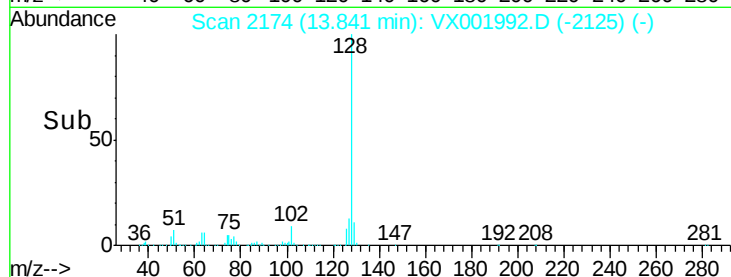
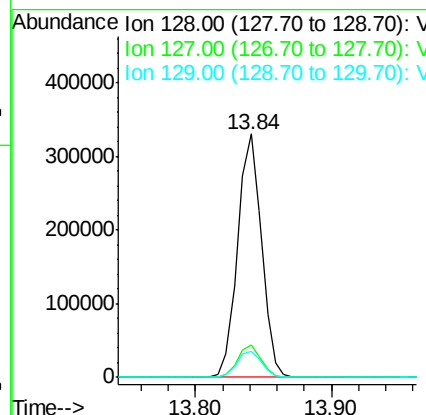
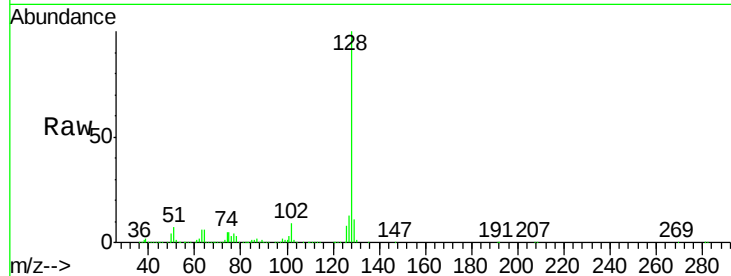
ClientSampleId :

VX0525WBS02

Tot Ion:	128	Resp:	403155
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/29/2018 4:39:24 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.467 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX001992.D

Acq: 25 May 2018 22:49

Tgt Ion:	180	Resp:	132436
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.9	143.6
145	30.1	15.1	45.3

