

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052518\
 Data File : VX001971.D
 Acq On : 25 May 2018 12:37
 Operator : JC/MD
 Sample : VX0525MBS01
 Misc : 5.0µl/10mL/100µL/5mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0525MBS01

Manual Integrations
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 5/29/2018 4:39:21 PM

Quant Time: May 26 01:46:53 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	270539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	377001	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	349922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	228603	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	240899	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
35) Dibromofluoromethane	5.51	113	185758	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	8.72	98	676457	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
62) 4-Bromofluorobenzene	11.14	95	258347	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	68903	19.094	ug/l	97
3) Chloromethane	1.32	50	81456	19.569	ug/l	100
4) Vinyl Chloride	1.40	62	80859	20.118	ug/l	99
5) Bromomethane	1.64	94	50542	26.875	ug/l	99
6) Chloroethane	1.72	64	47833	20.189	ug/l	98
7) Trichlorofluoromethane	1.93	101	127986	21.204	ug/l	100
8) Diethyl Ether	2.19	74	49490	22.599	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	70912	21.054	ug/l	100
10) Methyl Iodide	2.51	142	95601	20.978	ug/l	100
11) Tert butyl alcohol	3.09	59	113935	120.026	ug/l	99
12) 1,1-Dichloroethene	2.37	96	64695	20.516	ug/l	95
13) Acrolein	2.30	56	42840	104.380	ug/l	100
14) Allyl chloride	2.73	41	142065	21.463	ug/l	99
15) Acrylonitrile	3.15	53	215789	110.547	ug/l	99
16) Acetone	2.45	43	216666	116.093	ug/l	100
17) Carbon Disulfide	2.57	76	184320	20.310	ug/l	99
18) Methyl Acetate	2.78	43	106947	23.178	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	258733	21.815	ug/l	99
20) Methylene Chloride	2.86	84	77725	23.158	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	68864	21.532	ug/l	95
22) Diisopropyl ether	3.88	45	276889	20.565	ug/l	99
23) Vinyl Acetate	3.83	43	1252672	112.216	ug/l	99
24) 1,1-Dichloroethane	3.70	63	138978	21.730	ug/l	99
25) 2-Butanone	4.71	43	350372	102.429	ug/l	99
26) 2,2-Dichloropropane	4.59	77	125338	19.362	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	81380	19.791	ug/l	93
28) Bromochloromethane	5.03	49	64492	22.889	ug/l	100
29) Tetrahydrofuran	5.18	42	225174	101.178	ug/l	99
30) Chloroform	5.22	83	140012	19.431	ug/l	98
31) Cyclohexane	5.58	56	124654	18.707	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	130029	19.357	ug/l	99
36) 1,1-Dichloropropene	5.81	75	99904	19.051	ug/l	98
37) Ethyl Acetate	4.87	43	136133	19.912	ug/l	100
38) Carbon Tetrachloride	5.79	117	117586	19.229	ug/l	95

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Manual Integrations
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Quant Time: May 26 01:46:53 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)
39) Methylcyclohexane	7.46	83	122896	19.076	ug/l	98
40) Benzene	6.15	78	305189	19.865	ug/l	100
41) Methacrylonitrile	5.07	41	76722	20.462	ug/l	99
42) 1,2-Dichloroethane	6.20	62	121790	19.846	ug/l	99
43) Isopropyl Acetate	6.48	43	230683	20.251	ug/l	99
44) Trichloroethene	7.22	130	88905	19.859	ug/l	99
45) 1,2-Dichloropropane	7.52	63	83020	19.898	ug/l	99
46) Dibromomethane	7.67	93	56520	20.461	ug/l	100
47) Bromodichloromethane	7.90	83	115916	19.681	ug/l	99
48) Methyl methacrylate	7.79	41	115836	19.980	ug/l	98
49) 1,4-Dioxane	7.76	88	43350	424.313	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	716814	104.388	ug/l	98
52) Toluene	8.79	92	189980	19.431	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	132915	19.593	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	129318	19.563	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	81456	19.943	ug/l	98
56) Ethyl methacrylate	9.19	69	137558	19.580	ug/l	99
57) 1,3-Dichloropropane	9.38	76	135789	20.181	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	323997	104.052	ug/l	100
59) 2-Hexanone	9.50	43	552159	104.284	ug/l	99
60) Dibromochloromethane	9.59	129	96264	19.898	ug/l	99
61) 1,2-Dibromoethane	9.68	107	85436	19.935	ug/l	98
64) Tetrachloroethene	9.34	164	97301	19.394	ug/l	99
65) Chlorobenzene	10.15	112	217555	19.624	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	86342	19.287	ug/l	99
67) Ethyl Benzene	10.26	91	375416	19.490	ug/l	100
68) m/p-Xylenes	10.37	106	285973	38.838	ug/l	100
69) o-Xylene	10.70	106	142258	19.350	ug/l	100
70) Styrene	10.72	104	235840	19.343	ug/l	99
71) Bromoform	10.87	173	80550	18.976	ug/l #	100
73) Isopropylbenzene	11.02	105	380130	19.637	ug/l	99
74) N-amyl acetate	6.48	43	230683	21.151	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	116820	21.338	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	126872m	23.106	ug/l	
77) Bromobenzene	11.26	156	99813	19.434	ug/l	98
78) n-propylbenzene	11.37	91	420839	19.410	ug/l	100
79) 2-Chlorotoluene	11.43	91	257825	20.309	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	322169	19.474	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	42763	18.718	ug/l	98
82) 4-Chlorotoluene	11.52	91	296492	19.389	ug/l	100
83) tert-Butylbenzene	11.77	119	315003	19.404	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	330010	19.303	ug/l	100
85) sec-Butylbenzene	11.95	105	382184	19.584	ug/l	99
86) p-Isopropyltoluene	12.07	119	340614	19.505	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	177474	19.295	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	177445	19.296	ug/l	99
89) n-Butylbenzene	12.39	91	283806	19.180	ug/l	99
90) Hexachloroethane	12.60	117	64483	18.720	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	183990	19.632	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	32623	18.955	ug/l	98

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ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0525MBS01

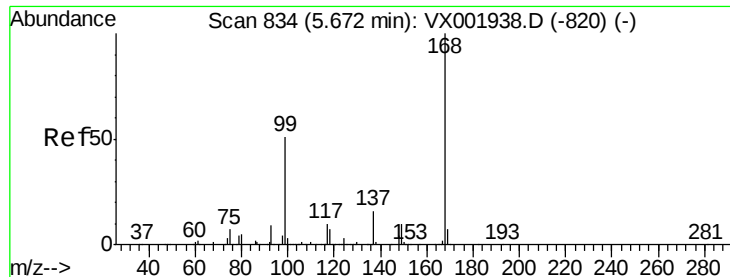
Manual Integrations
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5/29/2018 4:39:21 PM

Quant Time: May 26 01:46:53 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)
93) 1,2,4-Trichlorobenzene	13.65	180	130206	19.430	ug/l	99
94) Hexachlorobutadiene	13.79	225	68876	19.106	ug/l	99
95) Naphthalene	13.84	128	413491	20.027	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	136501	19.685	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: VX001971.D

Acq: 25 May 2018 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0525MBS01

Tot Ion:168 Resp: 270539

Ion Ratio Lower Upper

168 100

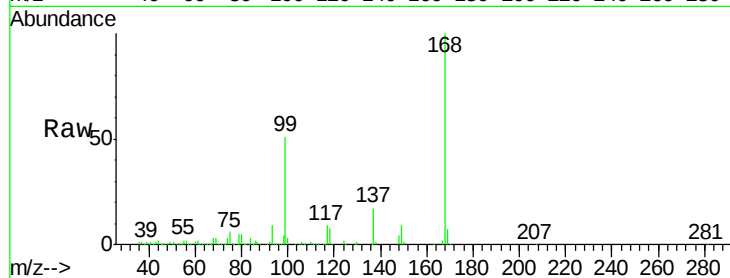
99 50.8 41.0 61.4

Manual Integrations

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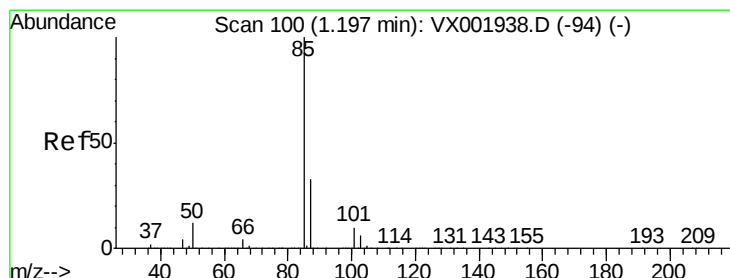
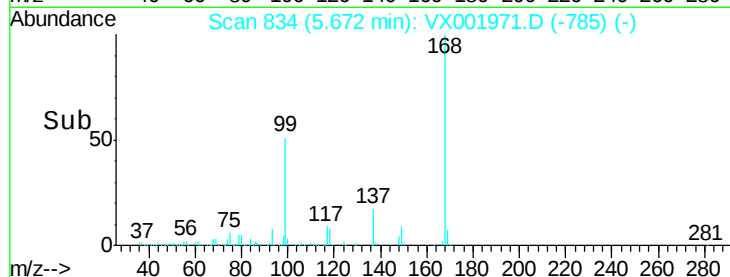
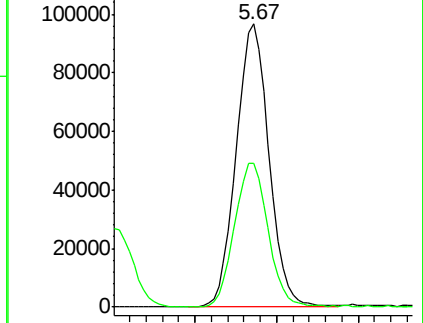
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.094 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001971.D

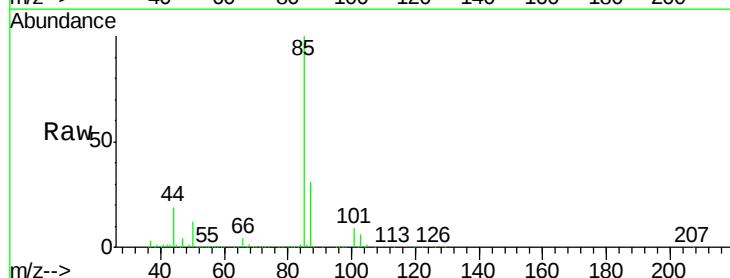
Acq: 25 May 2018 12:37

Tgt Ion: 85 Resp: 68903

Ion Ratio Lower Upper

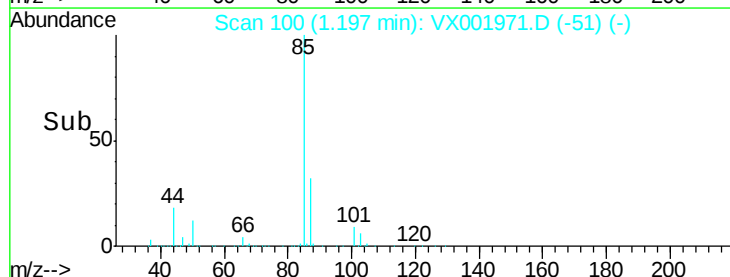
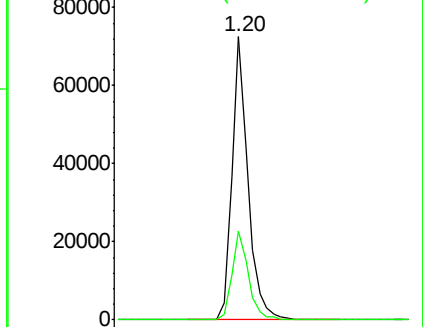
85 100

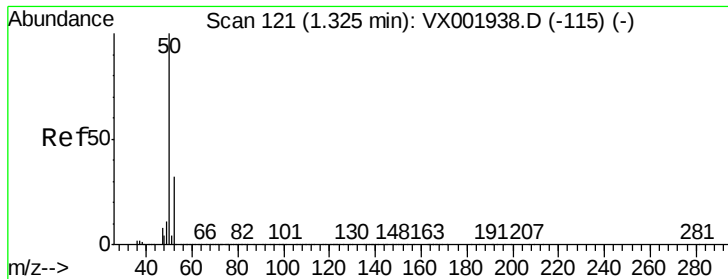
87 31.5 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.569 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0525MBS01

Tot Ion: 50 Resp: 81456

Ion Ratio Lower Upper

50 100

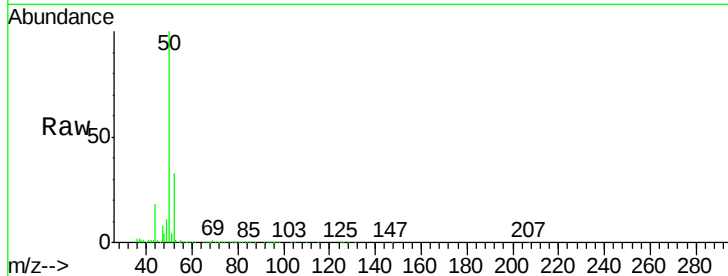
52 32.4 26.0 39.0

Manual Integrations

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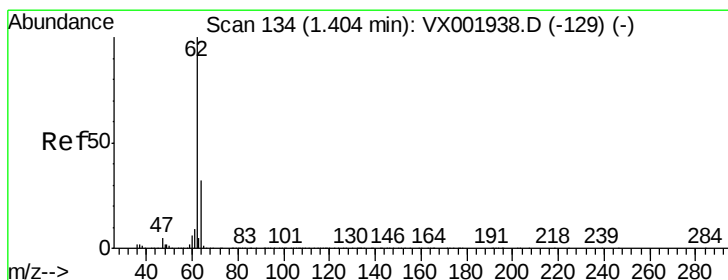
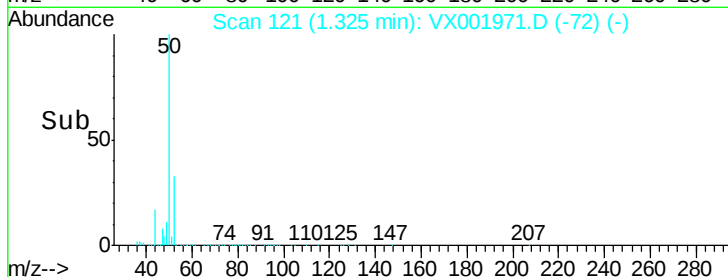
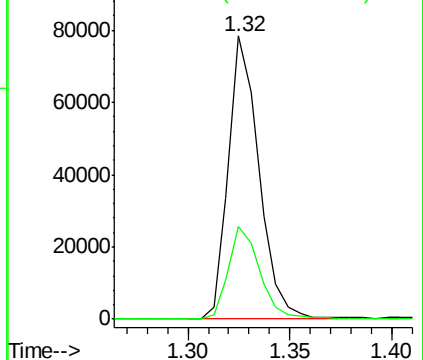
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.118 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001971.D

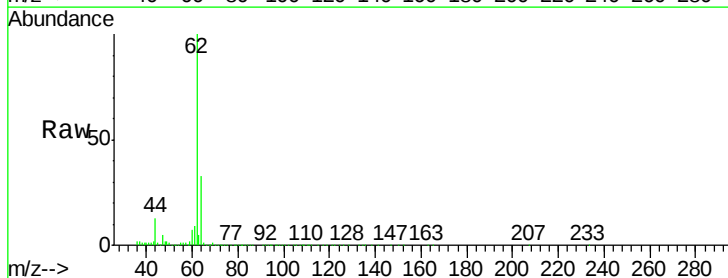
Acq: 25 May 2018 12:37

Tgt Ion: 62 Resp: 80859

Ion Ratio Lower Upper

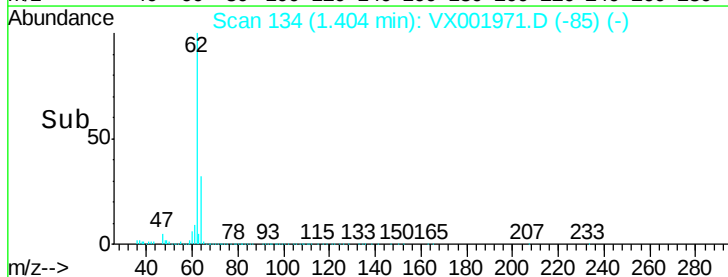
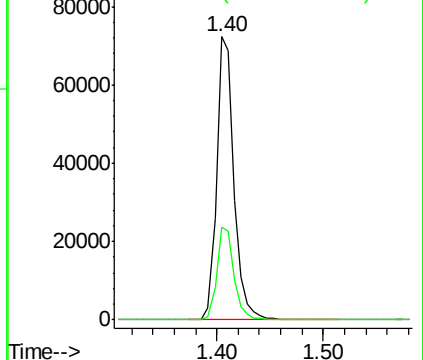
62 100

64 32.5 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 26.875 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0525MBS01

Tot Ion: 94 Resp: 50542

Ion Ratio Lower Upper

94 100

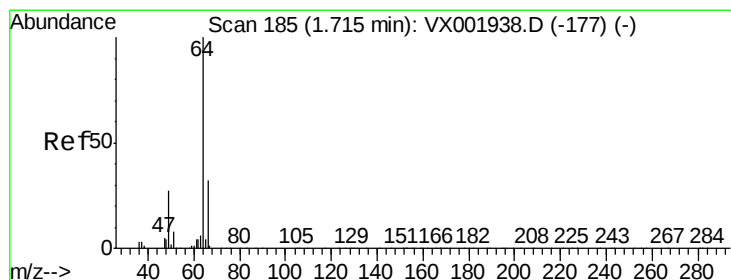
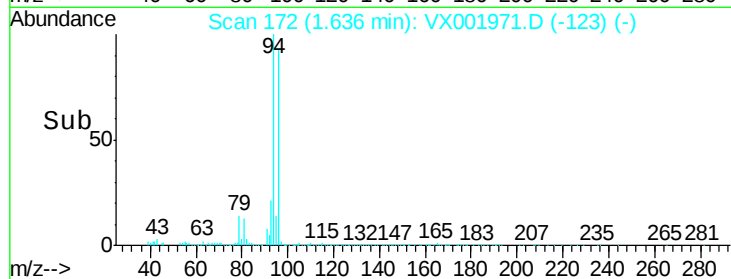
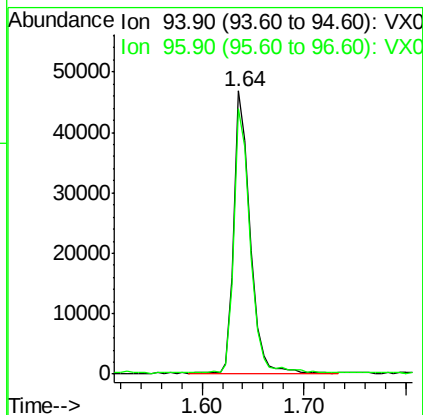
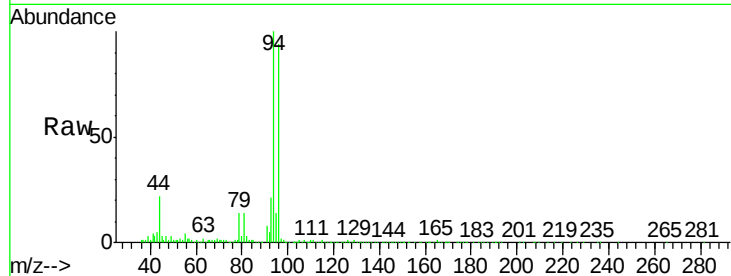
96 93.5 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 20.189 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX001971.D

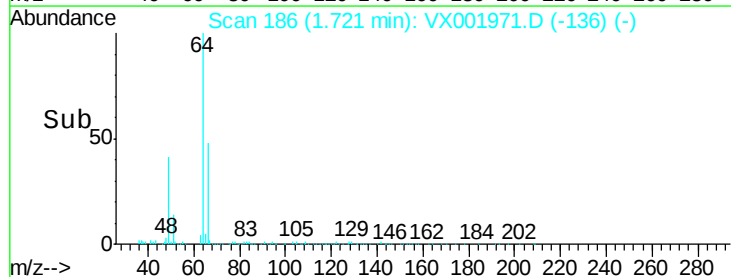
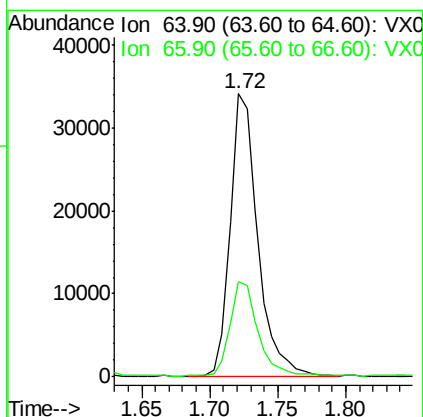
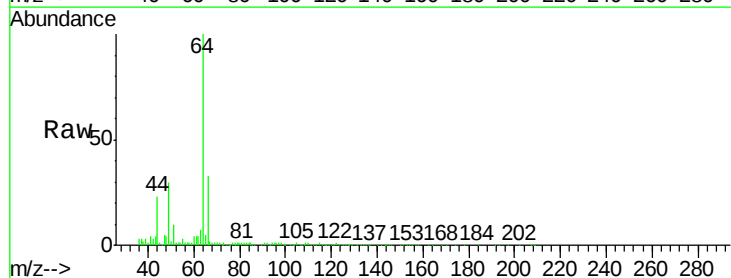
Acq: 25 May 2018 12:37

Tgt Ion: 64 Resp: 47833

Ion Ratio Lower Upper

64 100

66 33.1 25.6 38.4





#7

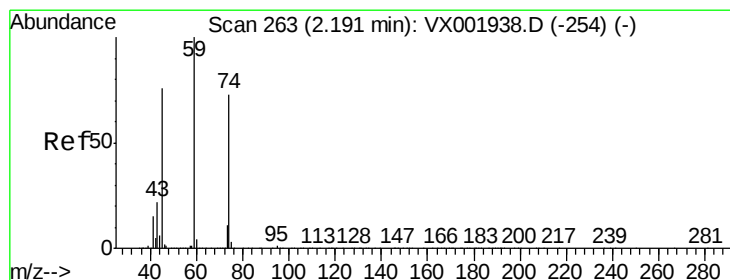
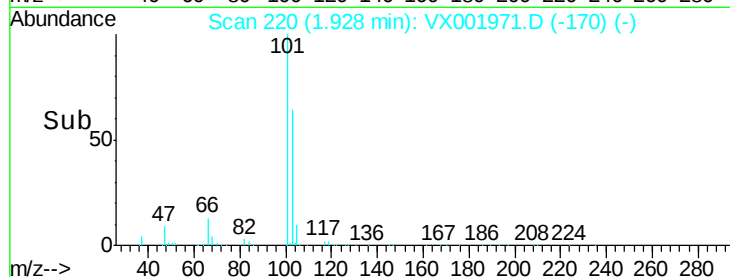
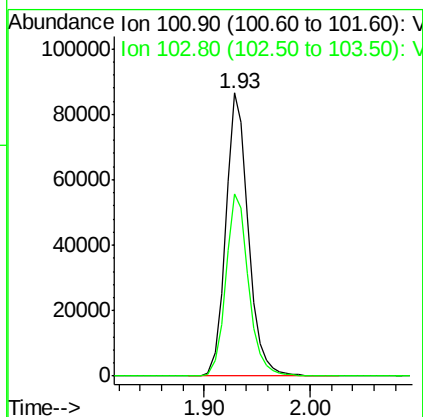
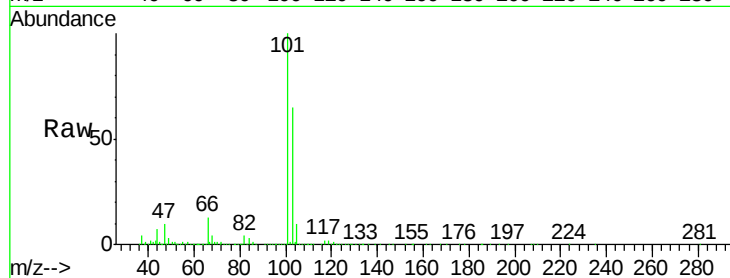
Trichlorofluoromethane
Concen: 21.204 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0525MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.4	77.0

Manual Integrations
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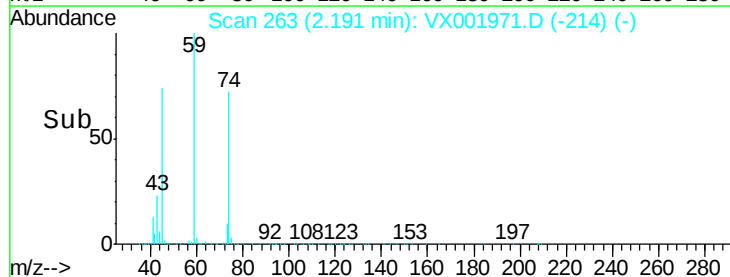
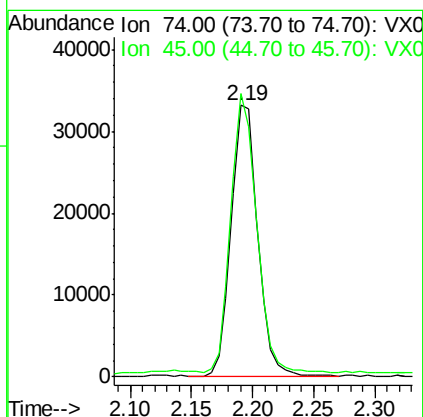
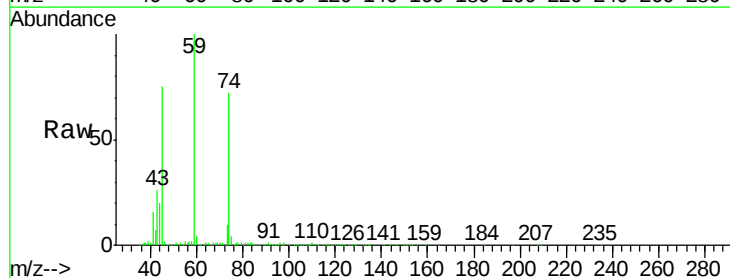
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#8

Diethyl Ether
Concen: 22.599 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.7	51.5	154.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.054 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Instrument :

MSVOA_X

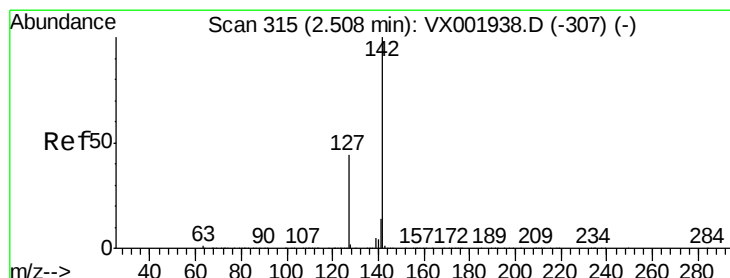
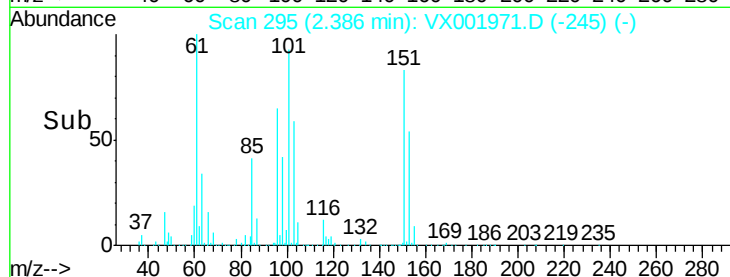
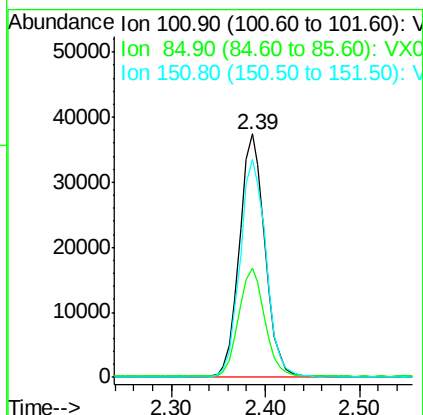
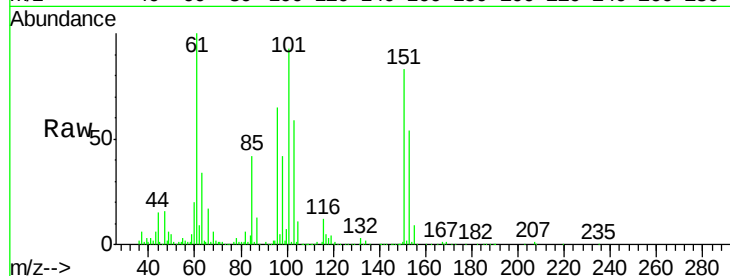
ClientSampleId :

VX0525MBS01

Tot Ion:	101	Resp:	70912
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.6	53.4
151	91.7	73.2	109.8

Manual Integrations
APPROVED

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#10

Methyl Iodide

Concen: 20.978 ug/l

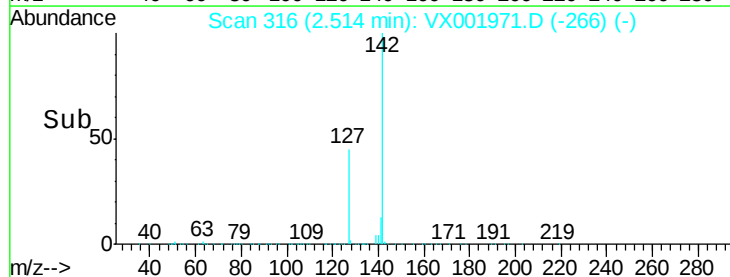
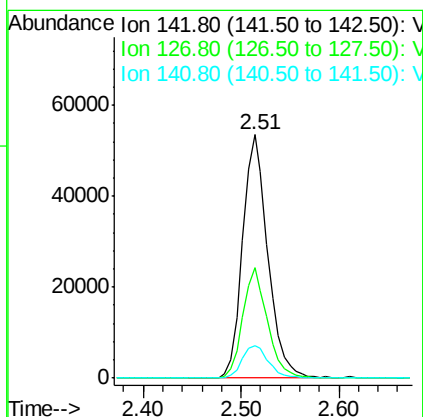
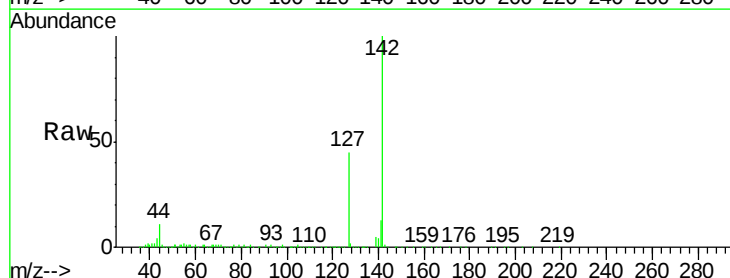
RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Tgt Ion:	142	Resp:	95601
Ion Ratio	Lower	Upper	
142	100		
127	44.3	35.5	53.3
141	14.2	11.3	16.9





#11

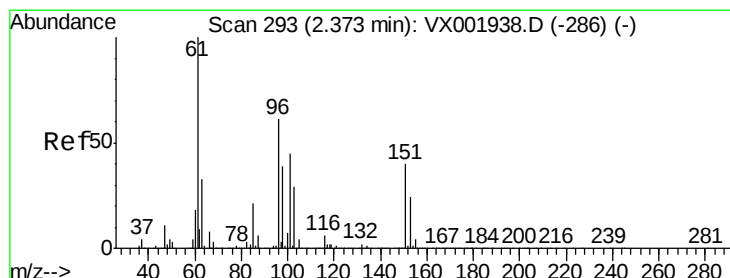
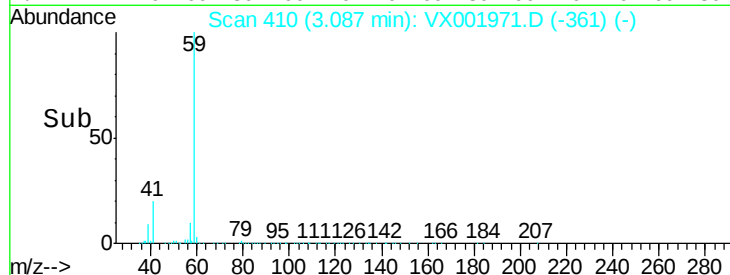
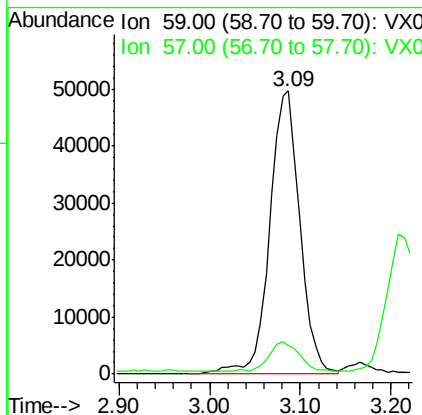
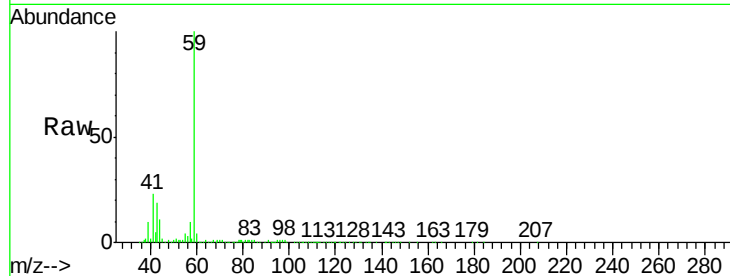
Tert butyl alcohol
Concen: 120.026 ug/l
RT: 3.09 min Scan# 410
Delta R.T. -0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0525MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.9	13.3

Manual Integrations
APPROVED

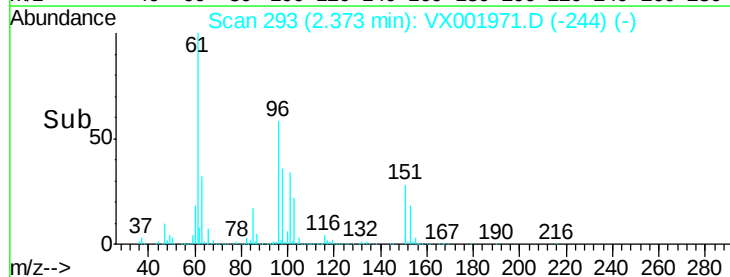
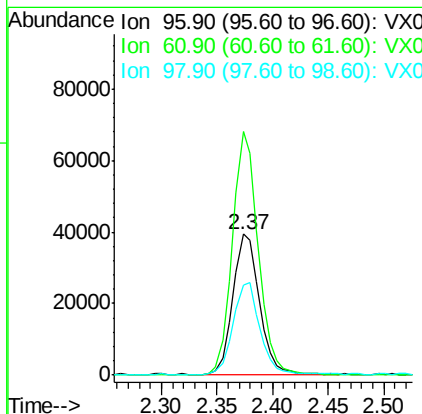
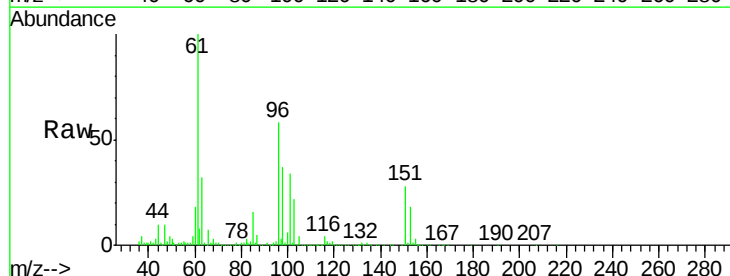
MMDadoda
5/29/2018 4:39:21 PM



#12

1,1-Dichloroethene
Concen: 20.516 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.3	131.7	197.5
98	63.5	51.6	77.4





#13

Acrolein

Concen: 104.380 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0525MBS01

Tot Ion: 56 Resp: 42840

Ion Ratio Lower Upper

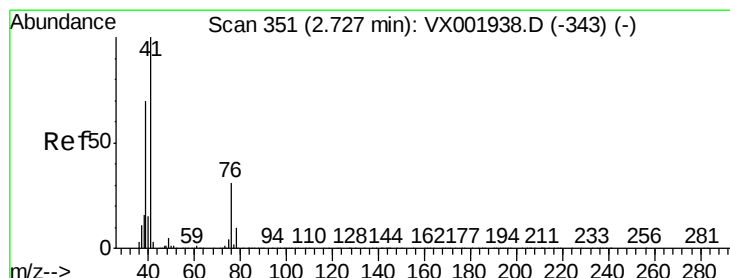
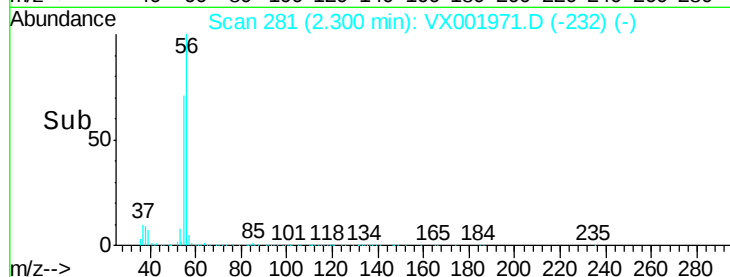
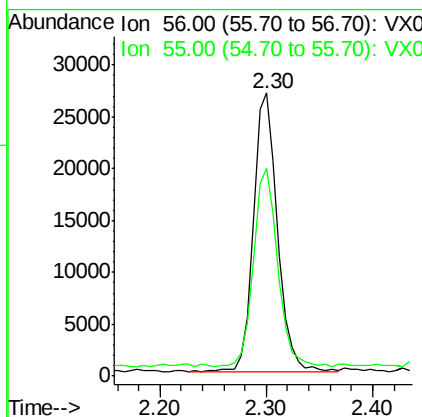
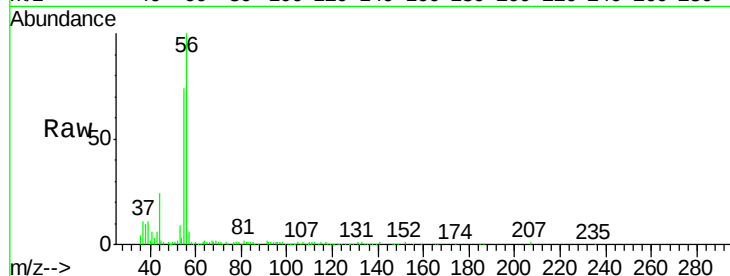
56 100

55 71.4 56.8 85.2

Manual Integrations
APPROVED

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#14

Allyl chloride

Concen: 21.463 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

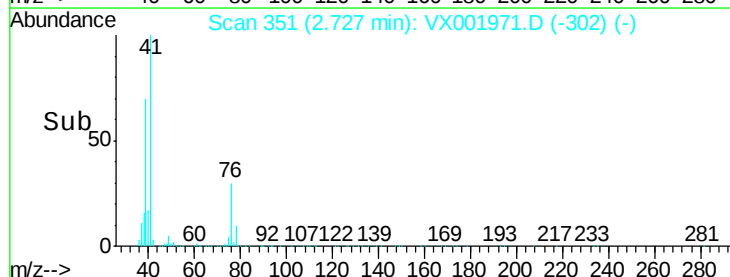
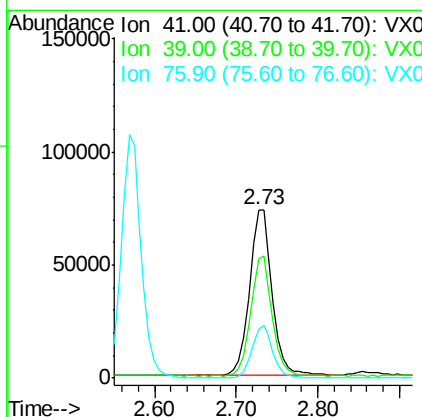
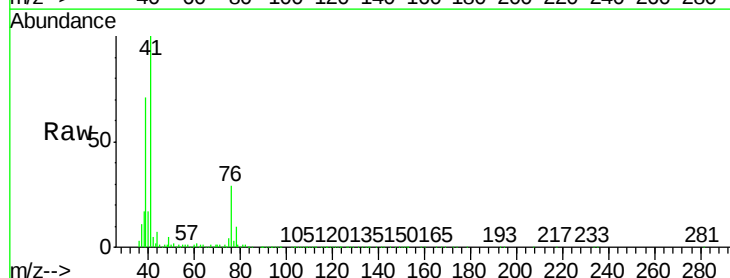
Tgt Ion: 41 Resp: 142065

Ion Ratio Lower Upper

41 100

39 68.2 54.3 81.5

76 29.2 24.2 36.4





#15

Acrylonitrile

Concen: 110.547 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Instrument :

MSVOA_X

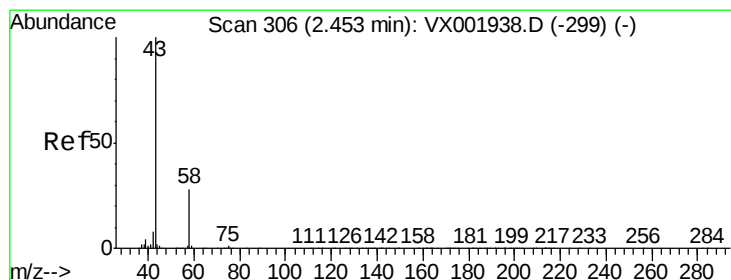
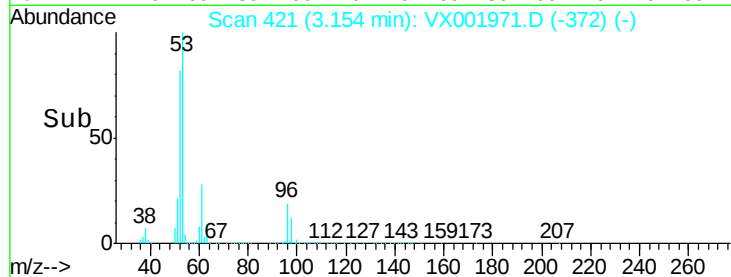
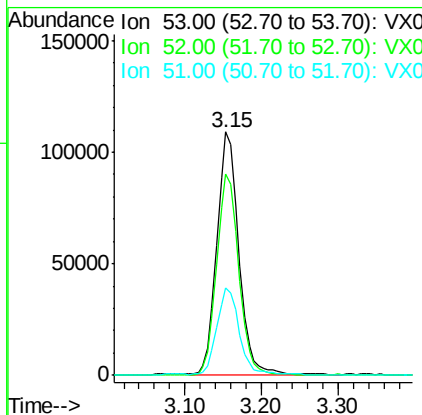
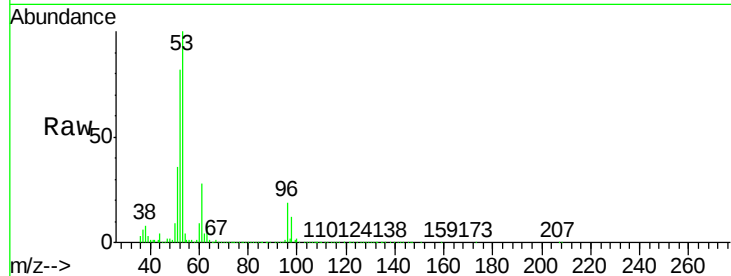
ClientSampleId :

VX0525MBS01

Tot Ion:	53	Resp:	215789
Ion Ratio		Lower	Upper
53	100		
52	83.6	66.4	99.6
51	36.3	29.3	43.9

Manual Integrations
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5/29/2018 4:39:21 PM



#16

Acetone

Concen: 116.093 ug/l

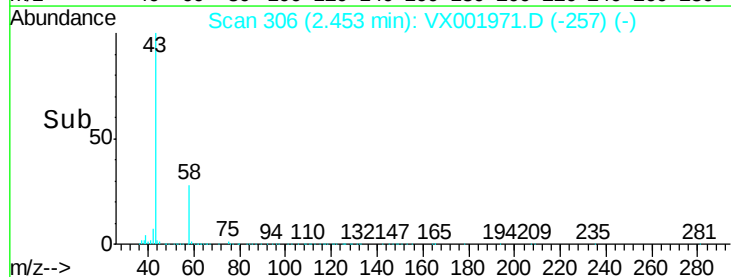
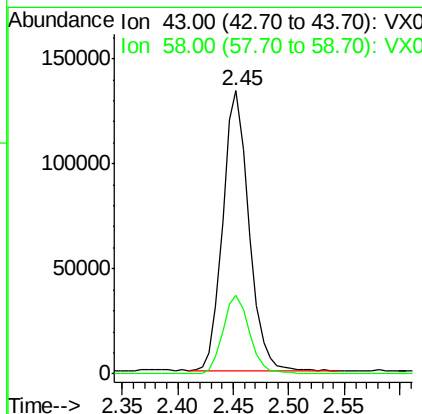
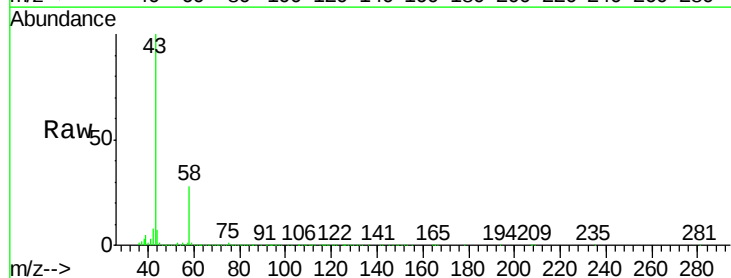
RT: 2.45 min Scan# 306

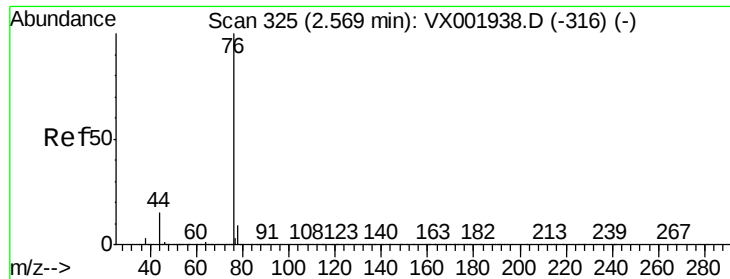
Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Tgt Ion:	43	Resp:	216666
Ion Ratio		Lower	Upper
43	100		
58	27.8	22.3	33.5





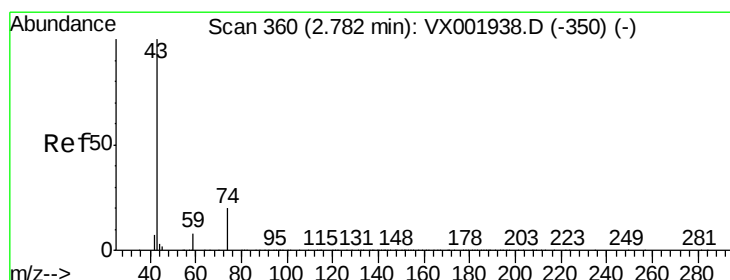
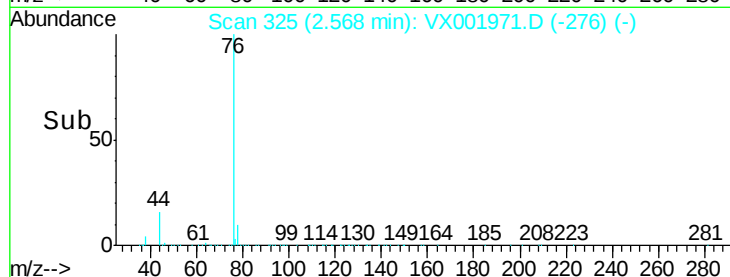
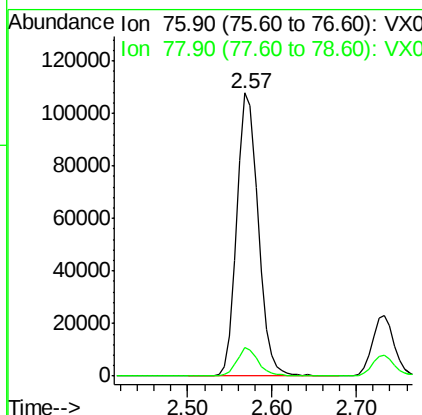
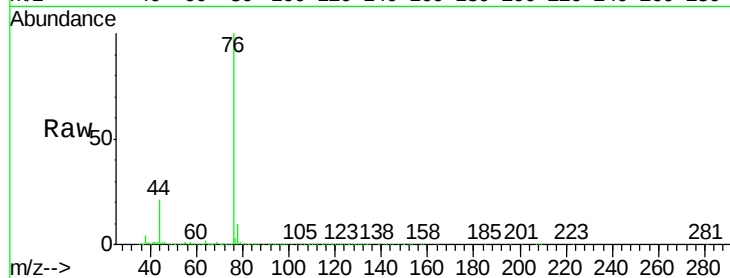
#17
Carbon Disulfide
Concen: 20.310 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0525MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.4	11.2

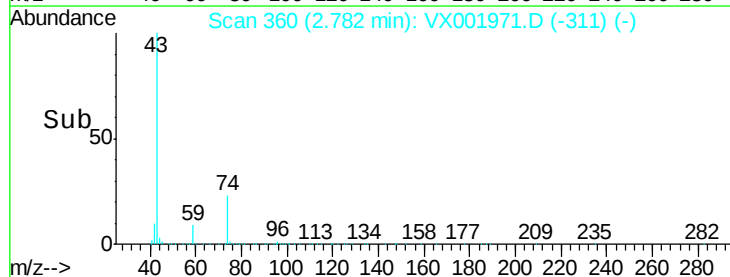
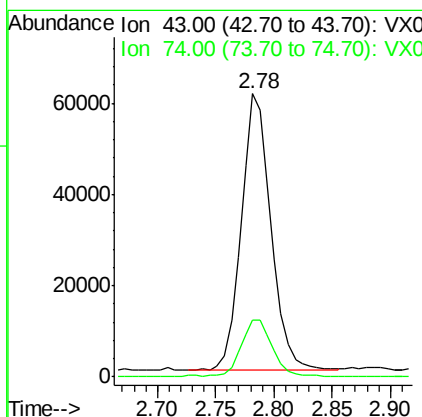
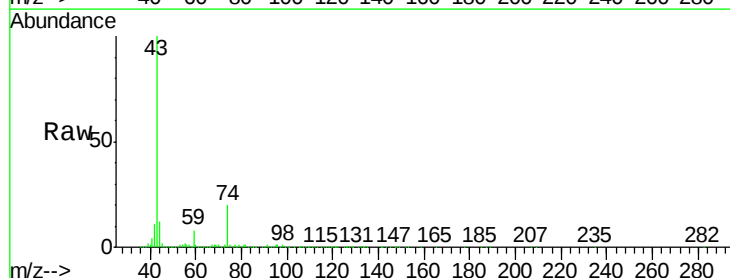
Manual Integrations
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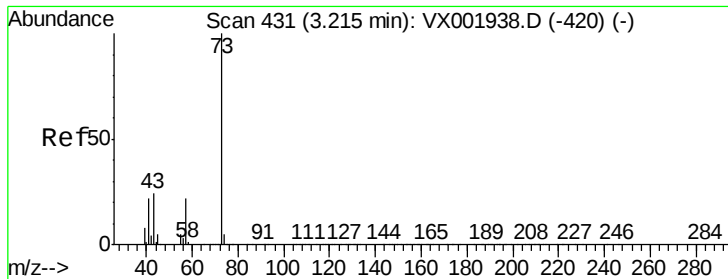
MMDadoda
5/29/2018 4:39:21 PM



#18
Methyl Acetate
Concen: 23.178 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	16.8	25.2





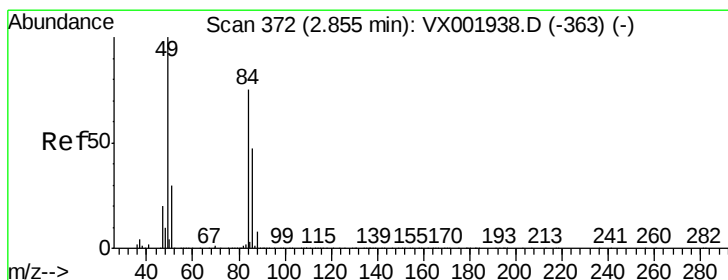
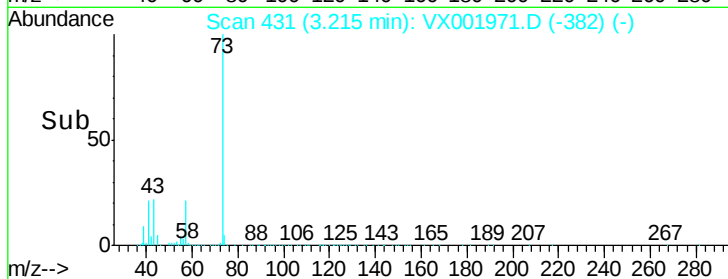
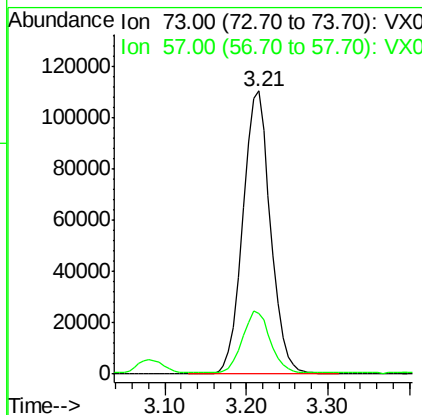
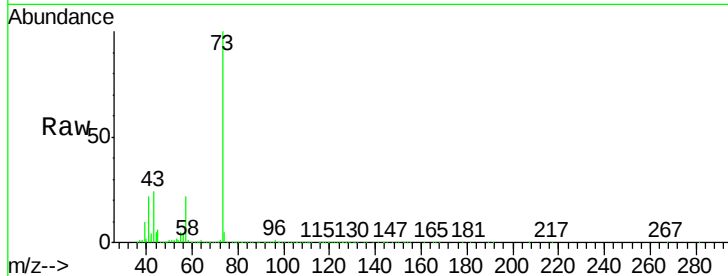
#19
Methvl tert-butvl Ether
Concen: 21.815 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0525MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.4	26.0

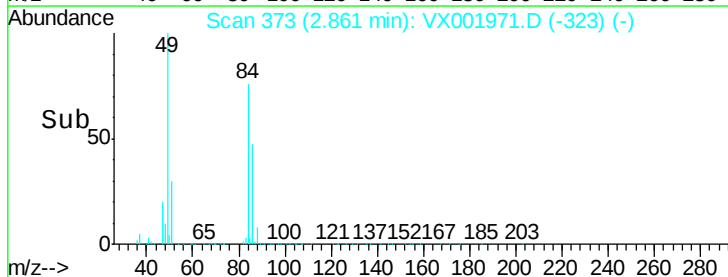
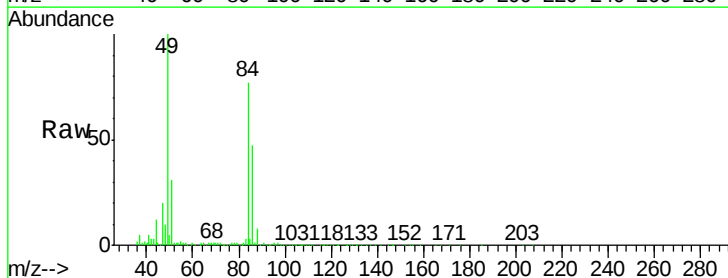
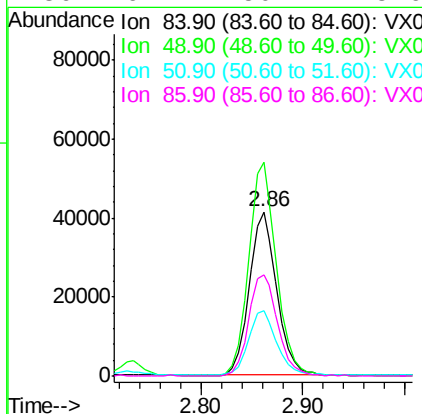
Manual Integrations
APPROVED

MMDadoda
5/29/2018 4:39:21 PM



#20
Methylene Chloride
Concen: 23.158 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.4	107.2	160.8
51	39.3	32.4	48.6
86	61.7	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 21.532 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Instrument :

MSVOA_X

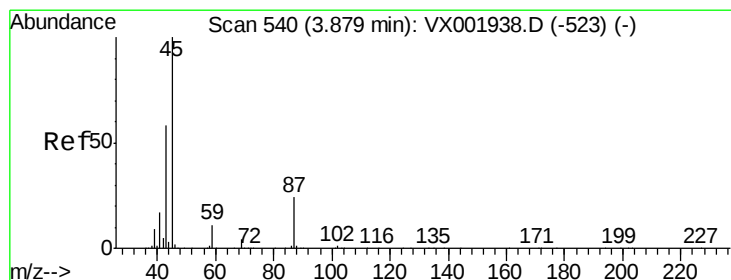
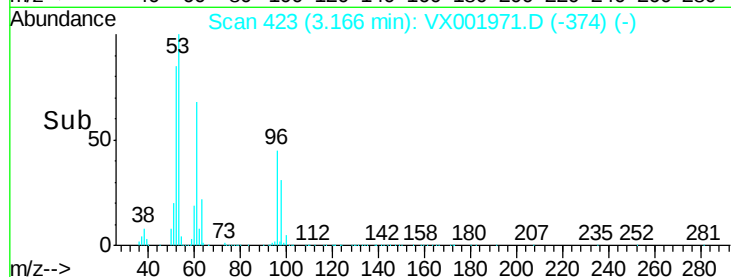
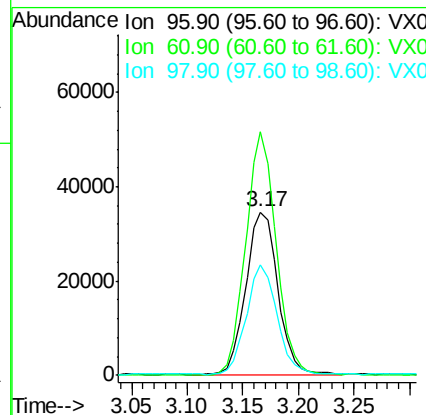
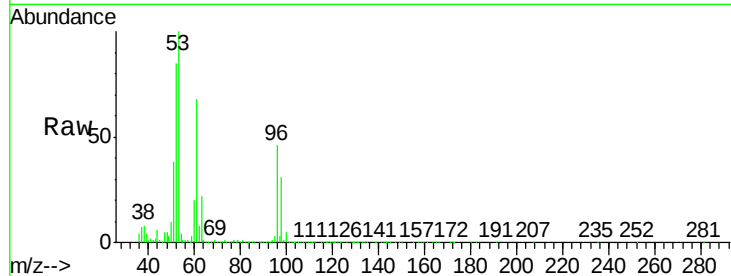
ClientSampleId :

VX0525MBS01

Tot Ion:	96	Resp:	68864
Ion	Ratio	Lower	Upper
96	100		
61	149.4	113.3	169.9
98	67.5	51.7	77.5

Manual Integrations
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5/29/2018 4:39:21 PM



#22

Diisopropyl ether

Concen: 20.565 ug/l

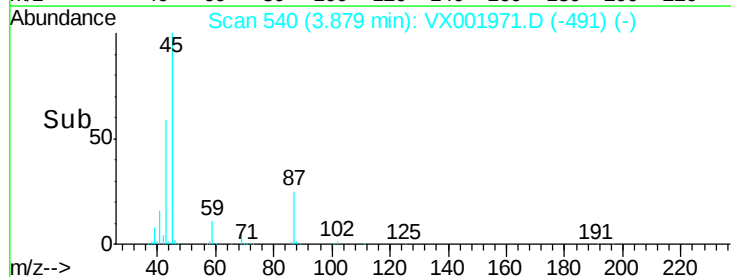
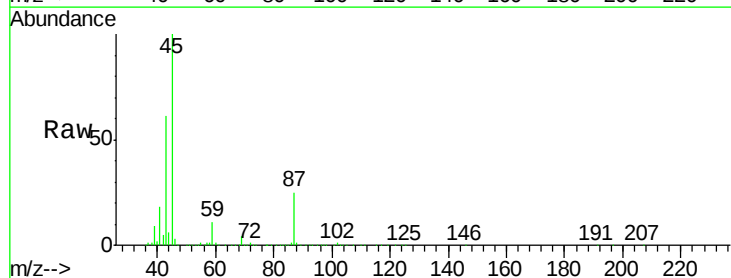
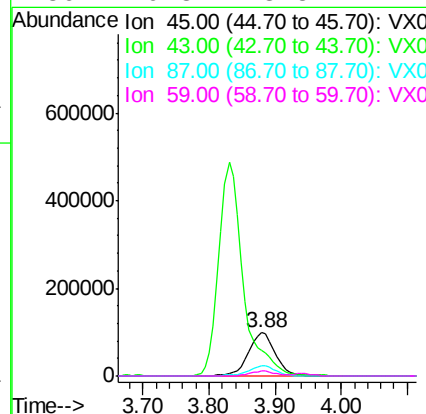
RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Tgt Ion:	45	Resp:	276889
Ion	Ratio	Lower	Upper
45	100		
43	59.6	47.0	70.6
87	24.7	19.4	29.0
59	10.8	8.5	12.7





#23

Vinyl Acetate

Concen: 112.216 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0525MBS01

Tot Ion: 43 Resp: 1252672

Ion Ratio Lower Upper

43 100

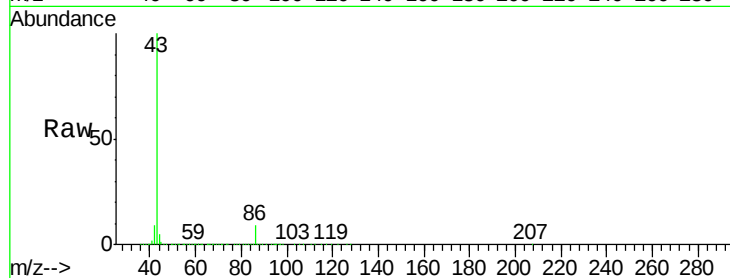
86 9.0 7.6 11.4

Manual Integrations

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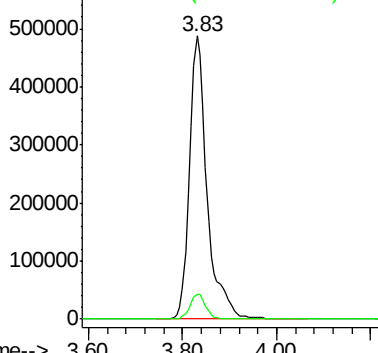
MMDadoda

5/29/2018 4:39:21 PM

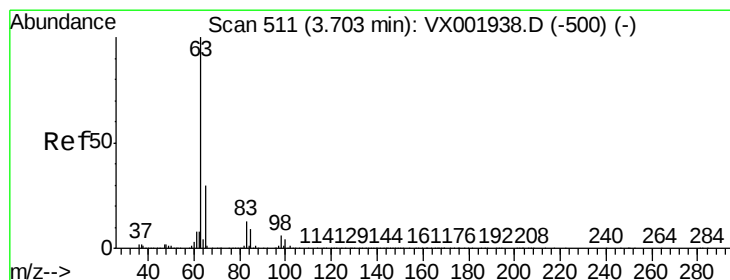
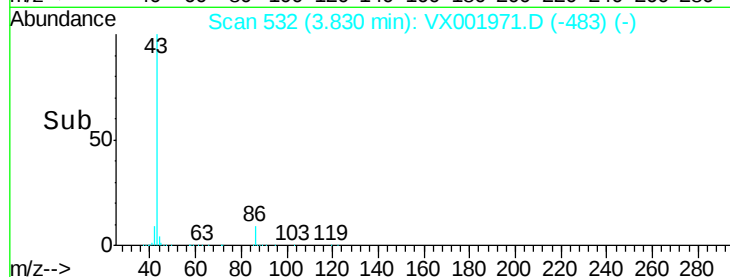


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 21.730 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

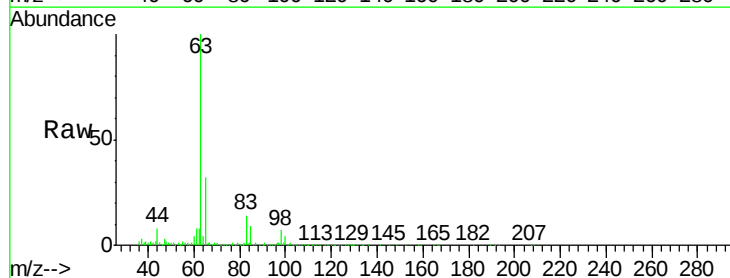
Tgt Ion: 63 Resp: 138978

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

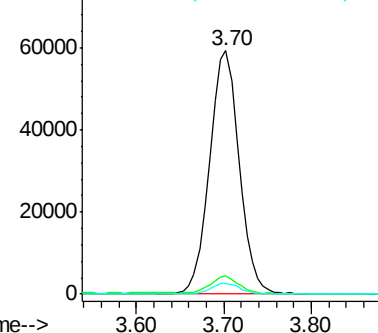
100 4.4 2.1 6.5



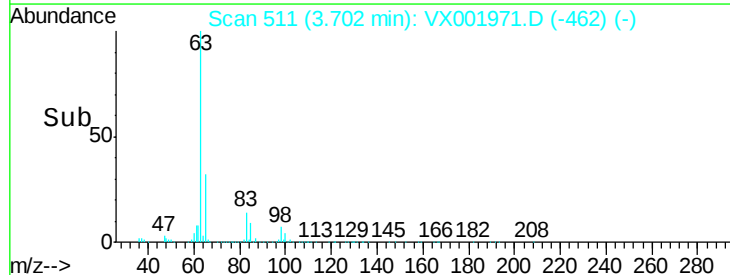
Abundance Ion 62.90 (62.60 to 63.60): VX0

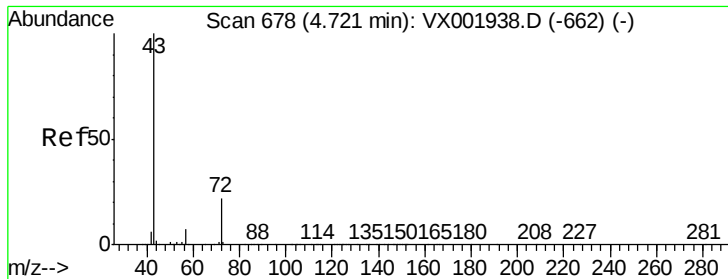
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 102.429 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0525MBS01

Tot Ion: 43 Resp: 350372

Ion Ratio Lower Upper

43 100

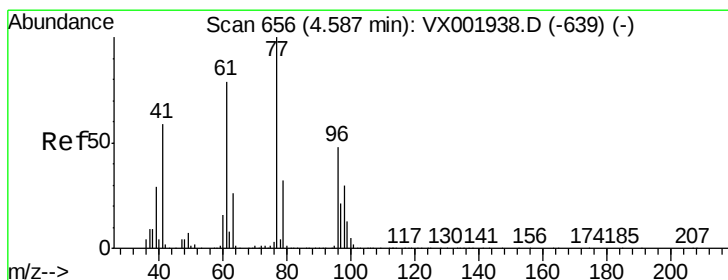
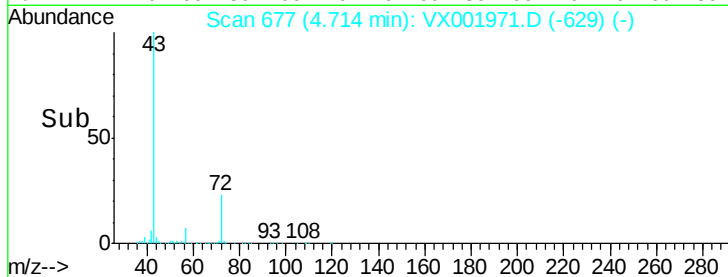
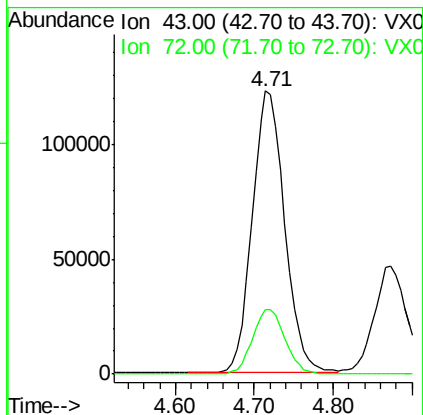
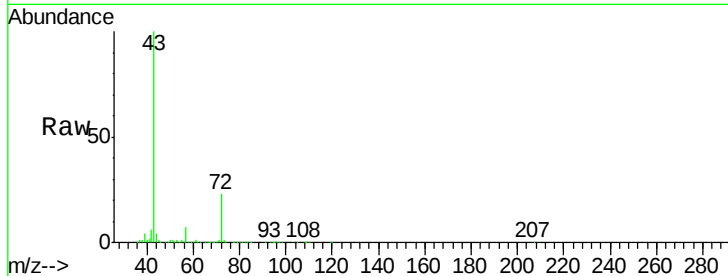
72 22.7 17.9 26.9

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 19.362 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX001971.D

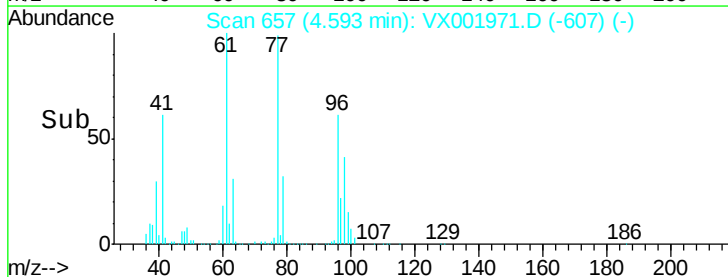
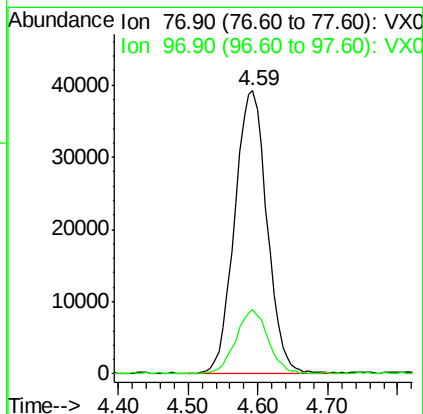
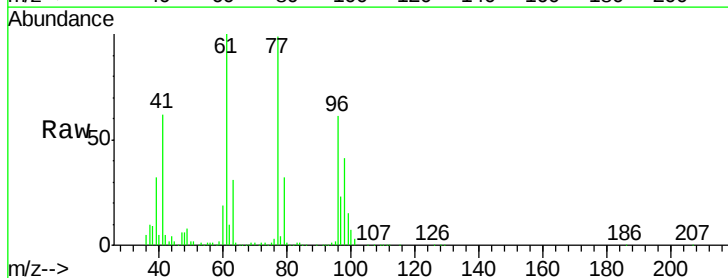
Acq: 25 May 2018 12:37

Tgt Ion: 77 Resp: 125338

Ion Ratio Lower Upper

77 100

97 22.1 11.2 33.5





#27

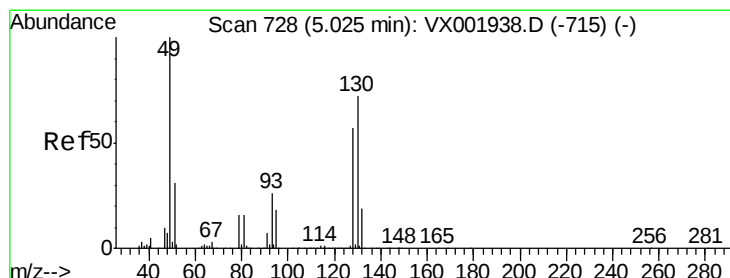
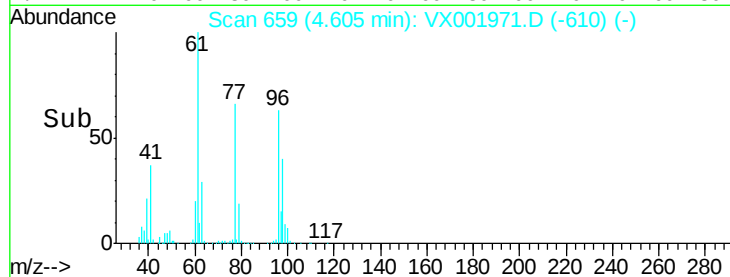
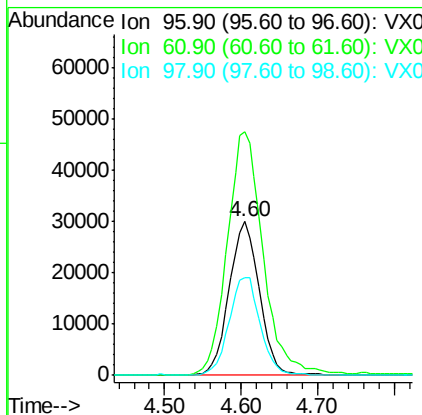
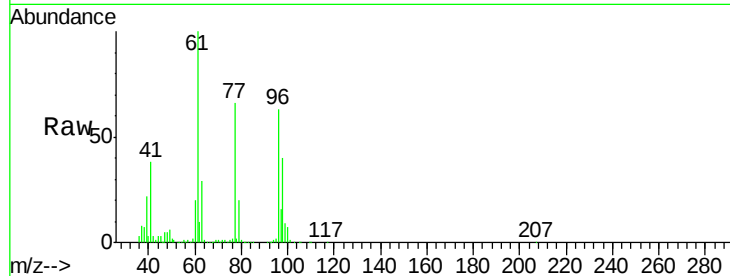
cis-1,2-Dichloroethene
Concen: 19.791 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0525MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	187.8	0.0	348.4
98	64.8	0.0	128.6

Manual Integrations
APPROVED

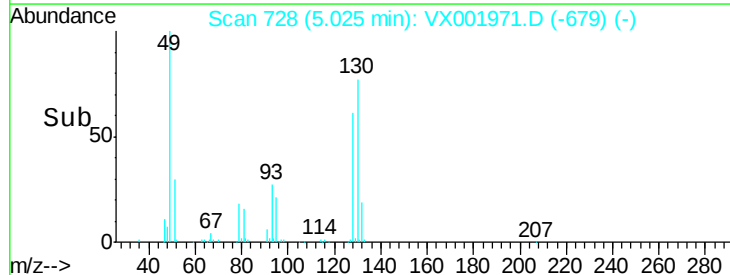
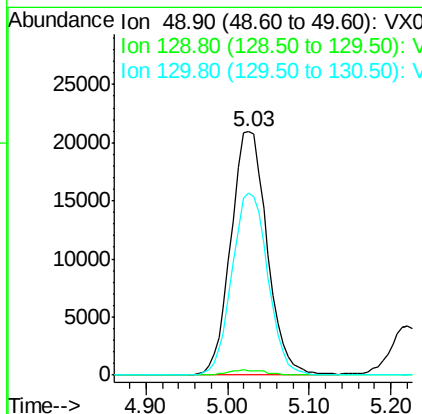
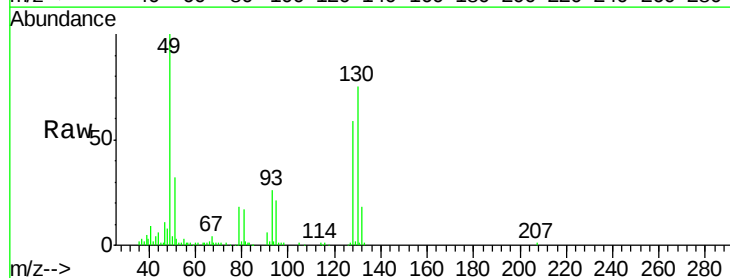
MMDadoda
5/29/2018 4:39:21 PM

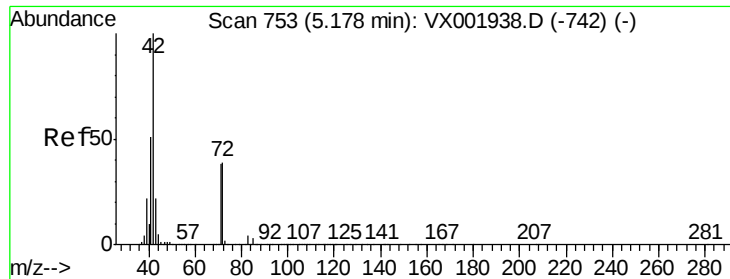


#28

Bromochloromethane
Concen: 22.889 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	74.0	59.4	89.2





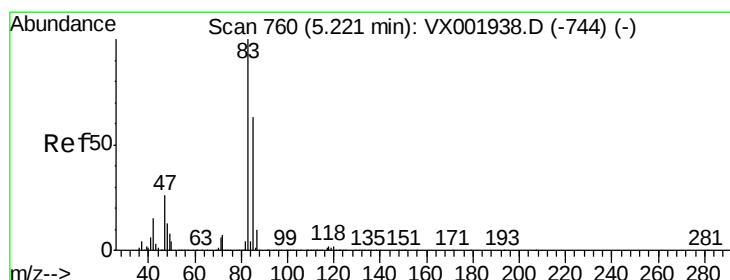
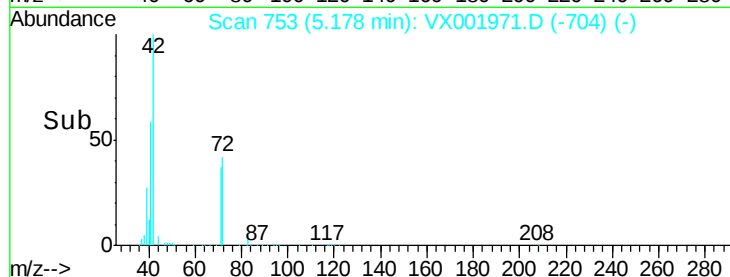
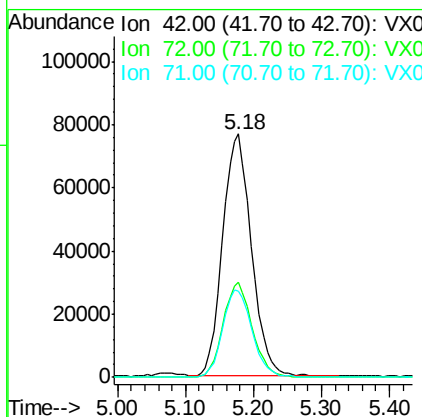
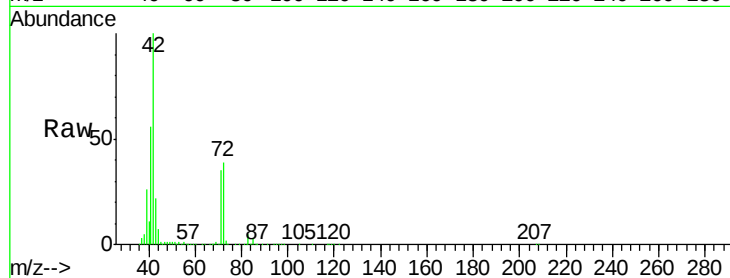
#29
Tetrahydrofuran
Concen: 101.178 ug/l
RT: 5.18 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0525MBS01

Tot Ion	Ratio	Resp Lower	Upper
42	100		
72	39.7	31.4	47.0
71	36.3	29.5	44.3

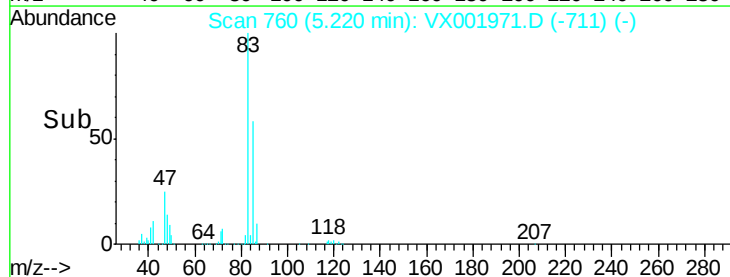
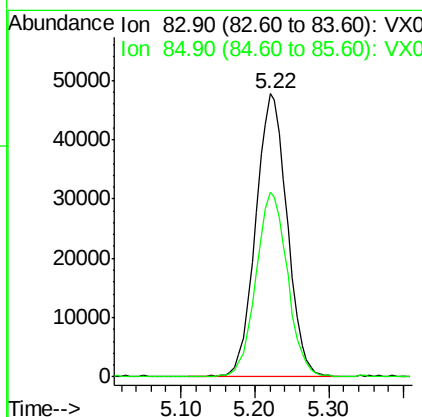
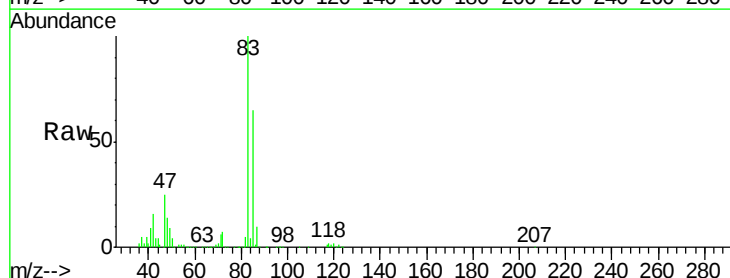
Manual Integrations
APPROVED

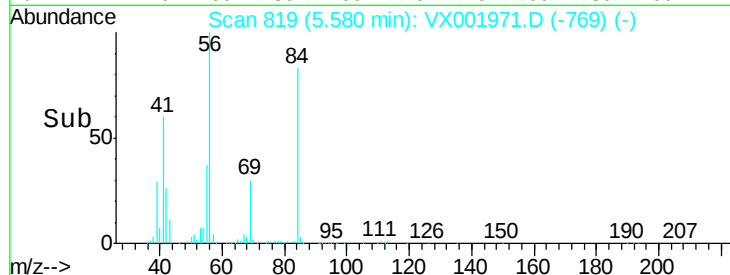
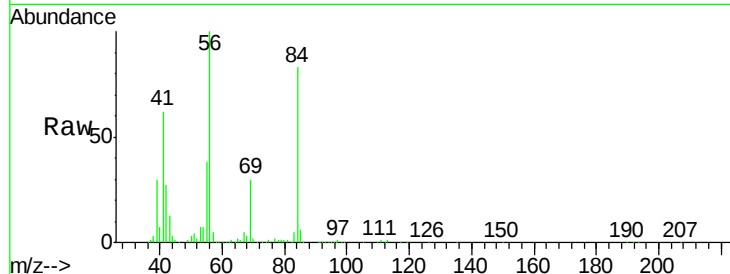
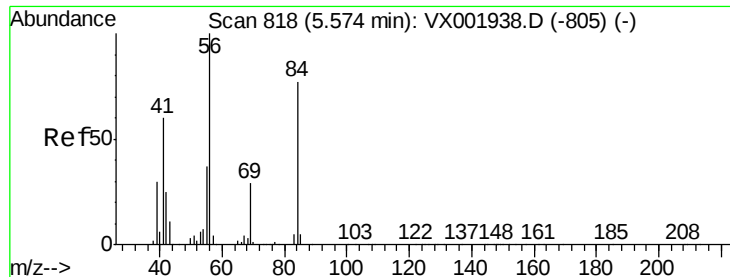
MMDadoda
5/29/2018 4:39:21 PM



#30
Chloroform
Concen: 19.431 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Tgt Ion	Ratio	Resp Lower	Upper
83	100		
85	65.1	50.9	76.3





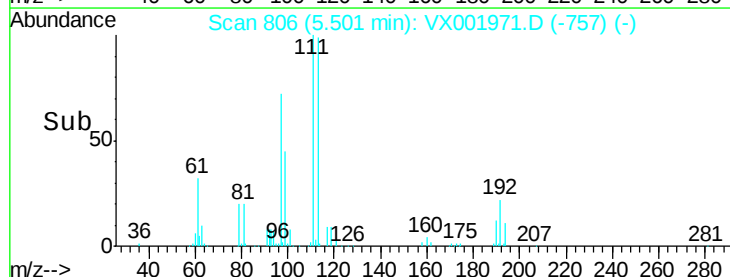
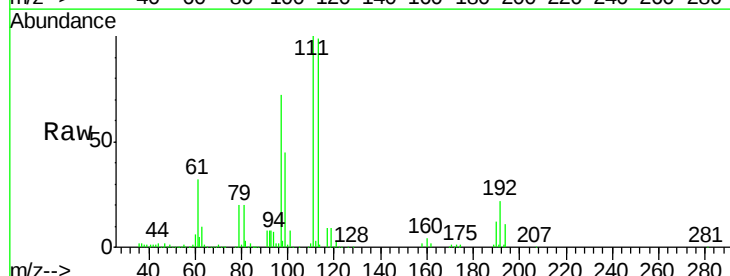
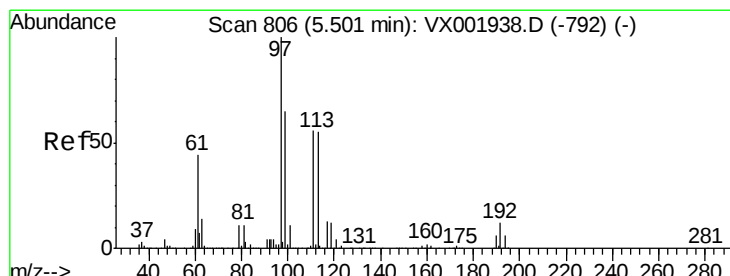
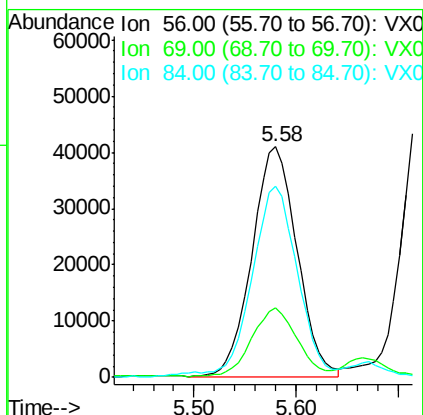
#31
Cvclohexane
Concen: 18.707 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.1	34.7
84	81.0	62.0	93.0

Instrument :
MSVOA_X
ClientSampleId :
VX0525MBS01

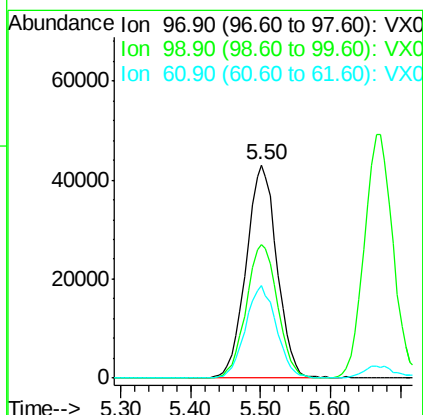
Manual Integrations
APPROVED

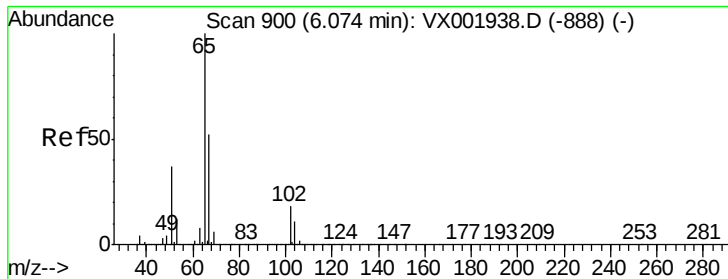
MMDadoda
5/29/2018 4:39:21 PM



#32
1,1,1-Trichloroethane
Concen: 19.357 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.9	77.9
61	44.2	35.9	53.9





#33

1,2-Dichloroethane-d4

Concen: 49.815 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0525MBS01

Tot Ion: 65 Resp: 240899

Ion Ratio Lower Upper

65 100

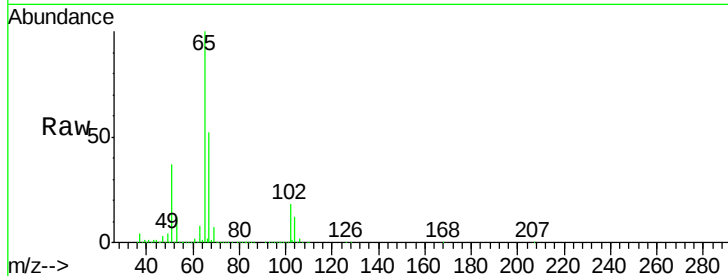
67 51.0 0.0 104.0

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

100000

80000

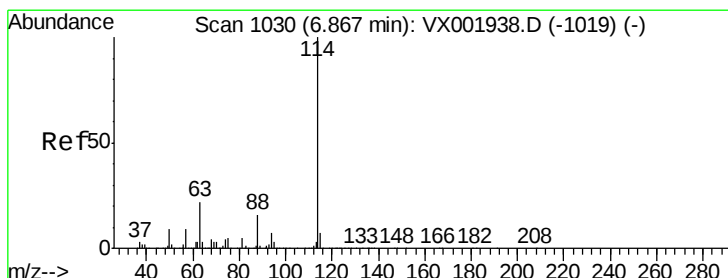
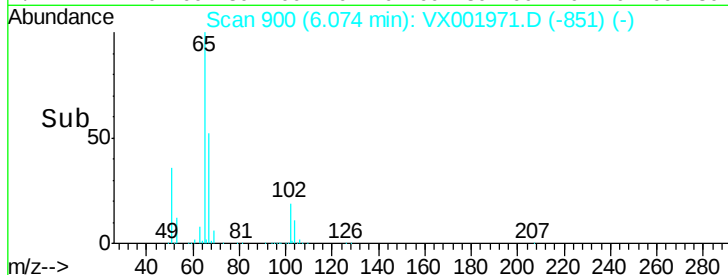
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

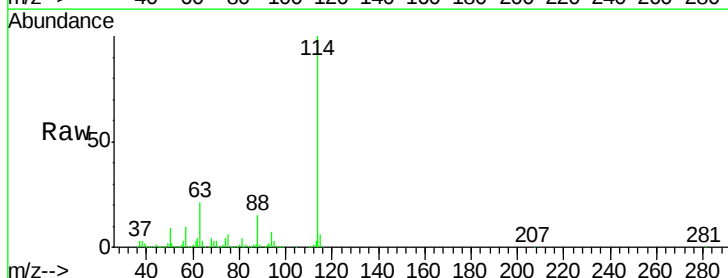
Tgt Ion: 114 Resp: 377001

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.2

88 15.3 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

200000

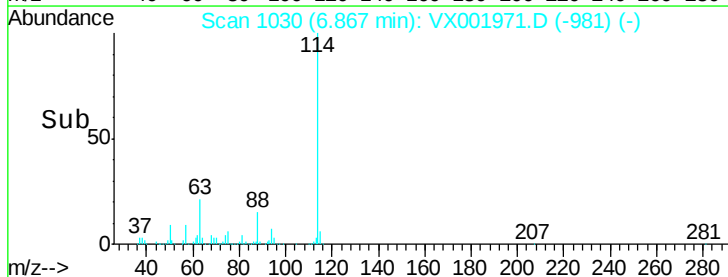
150000

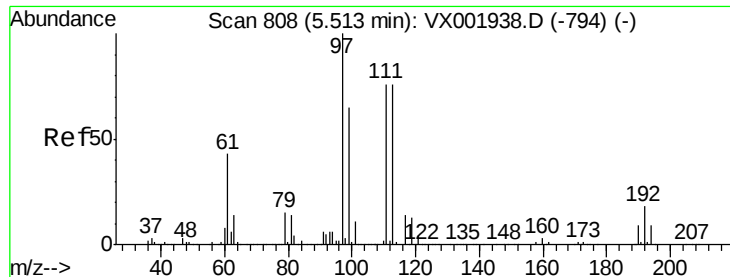
100000

50000

0

Time-->





#35

Dibromofluoromethane

Concen: 49.272 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Instrument :

MSVOA_X

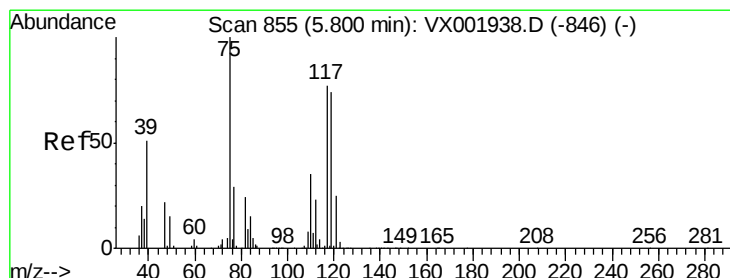
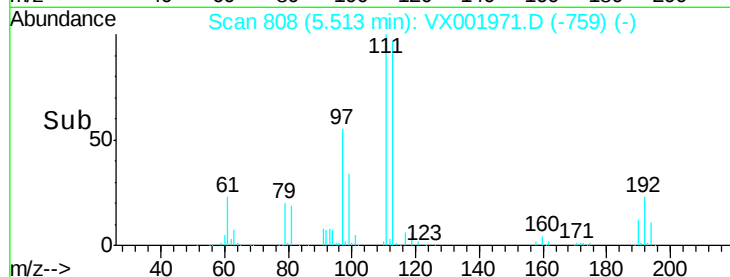
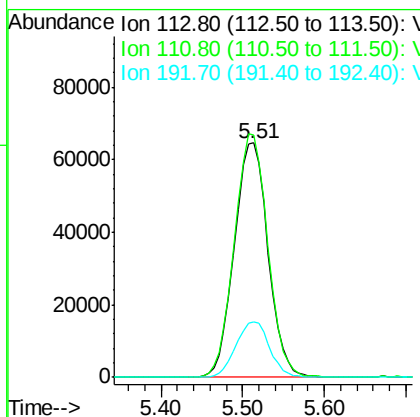
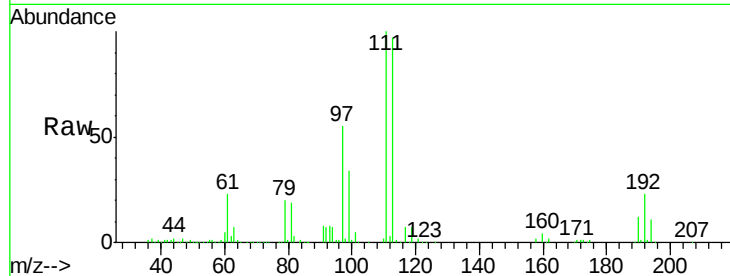
ClientSampleId :

VX0525MBS01

Tot Ion:	113	Resp:	185758
Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.0	123.0
192	23.7	18.9	28.3

Manual Integrations
APPROVED

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5/29/2018 4:39:21 PM



#36

1,1-Dichloropropene

Concen: 19.051 ug/l

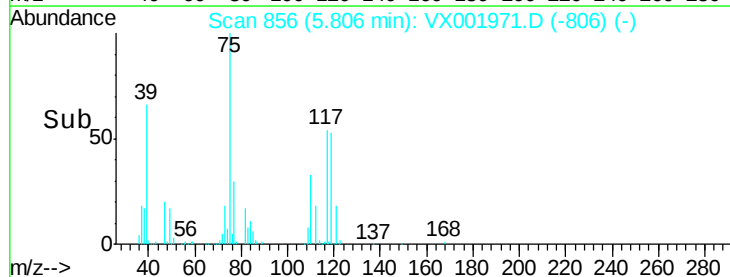
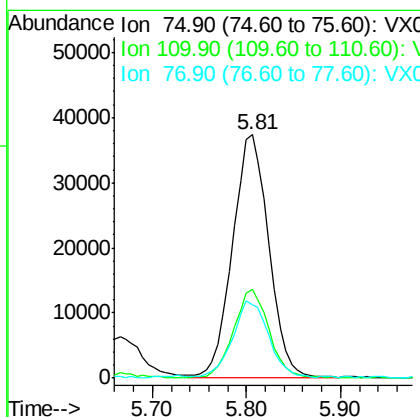
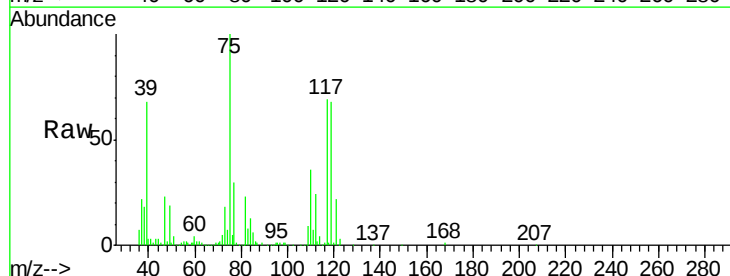
RT: 5.81 min Scan# 856

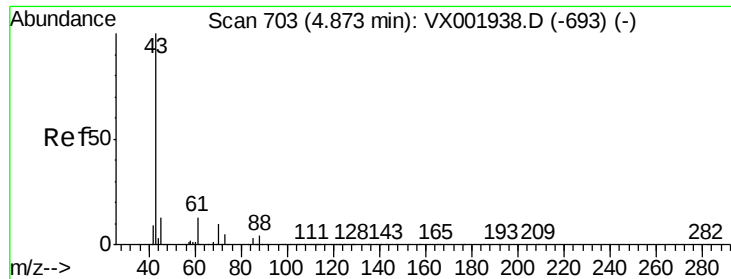
Delta R.T. 0.01 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Tgt Ion:	75	Resp:	99904
Ion	Ratio	Lower	Upper
75	100		
110	36.2	17.4	52.2
77	30.9	24.4	36.6





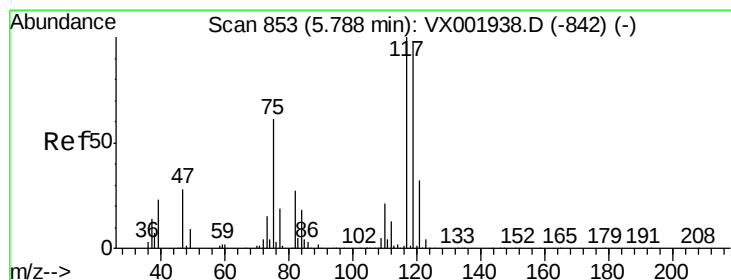
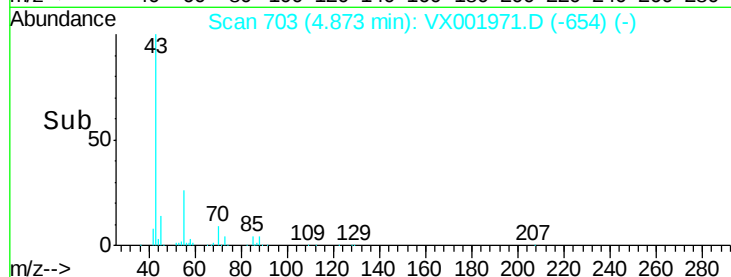
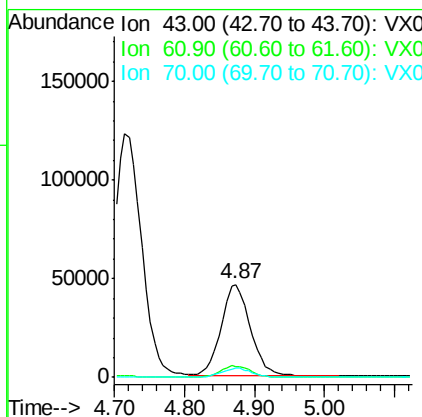
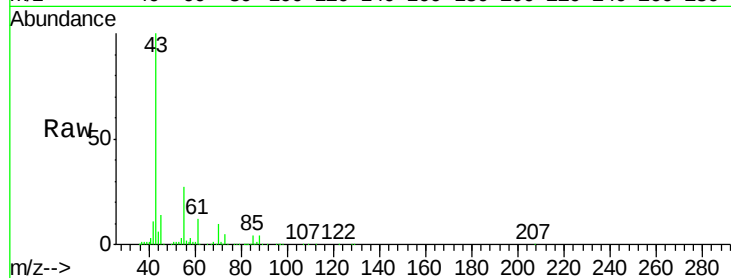
#37
Ethyl Acetate
Concen: 19.912 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0525MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.2	15.2
70	9.5	7.8	11.8

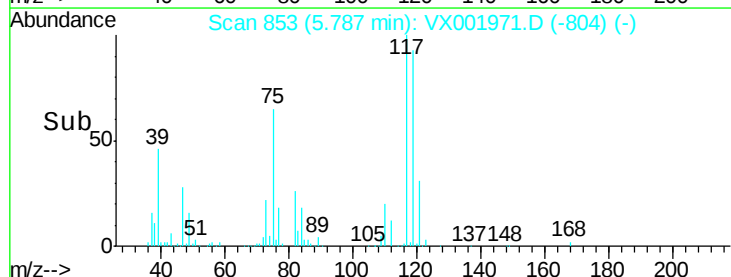
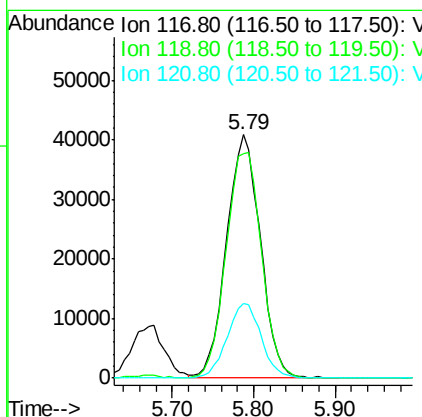
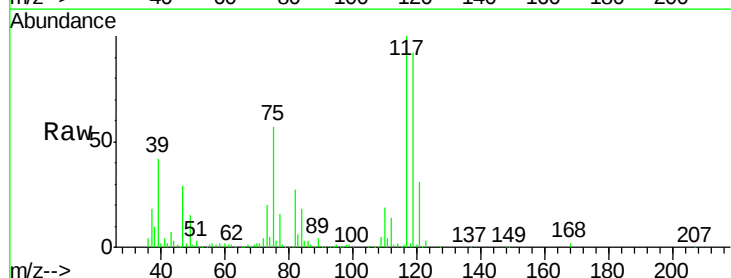
Manual Integrations
APPROVED

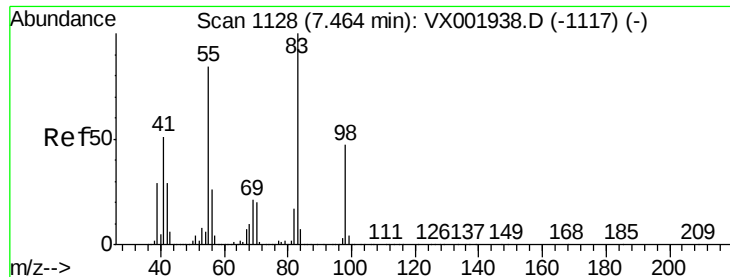
MMDadoda
5/29/2018 4:39:21 PM



#38
Carbon Tetrachloride
Concen: 19.229 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	78.5	117.7
121	30.9	25.5	38.3





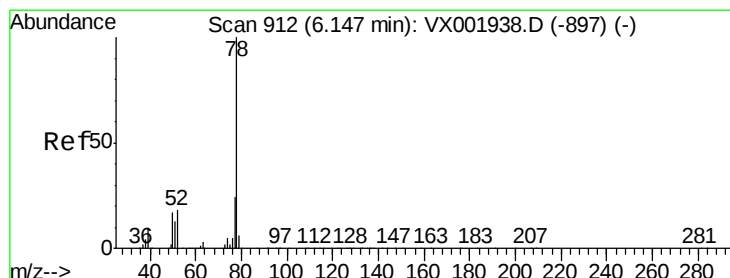
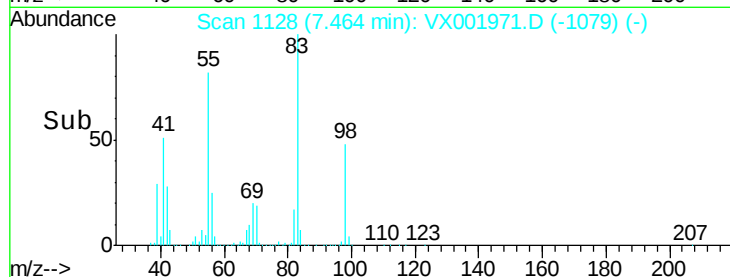
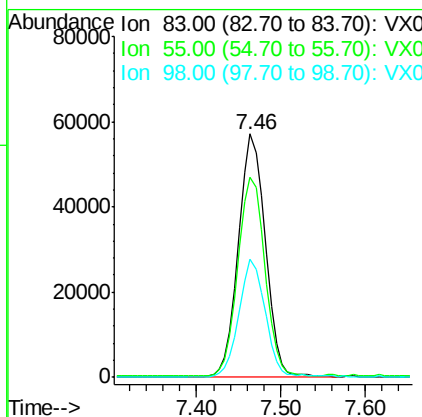
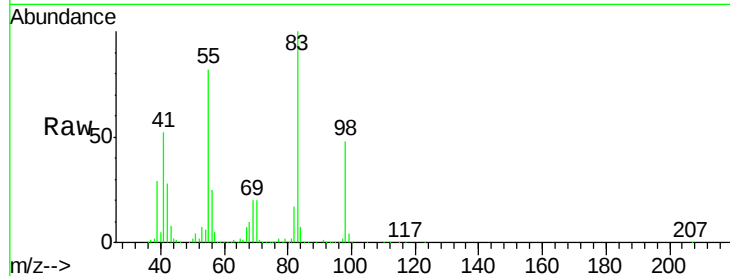
#39
Methvlcvclohexane
Concen: 19.076 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0525MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	122896		
55	81.8	67.3	100.9	
98	48.1	37.5	56.3	

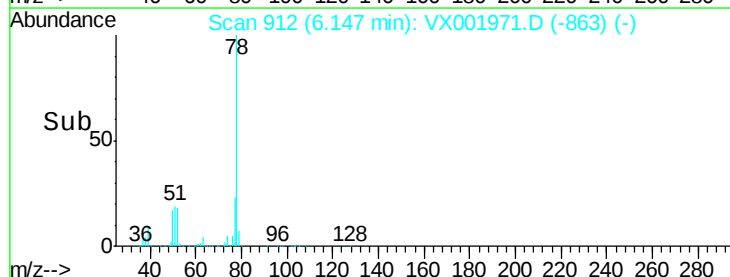
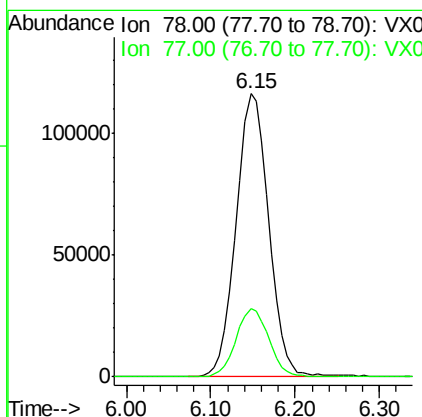
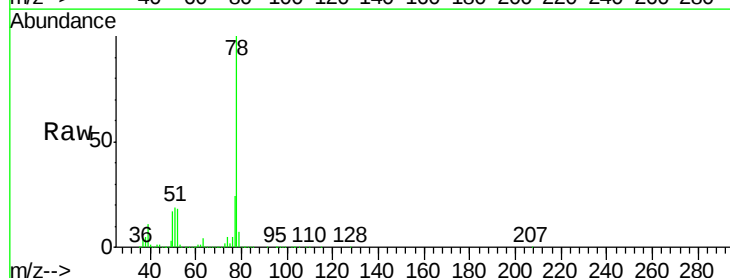
Manual Integrations
APPROVED

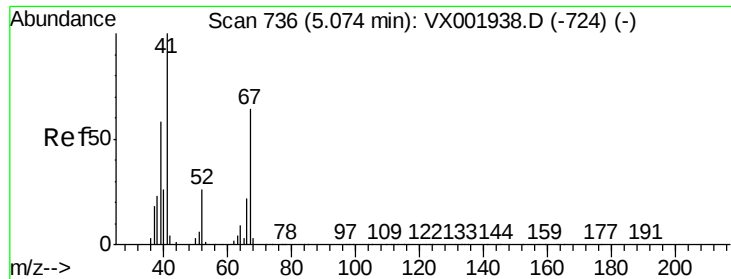
MMDadoda
5/29/2018 4:39:21 PM



#40
Benzene
Concen: 19.865 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	305189		
77	24.0	19.1	28.7	





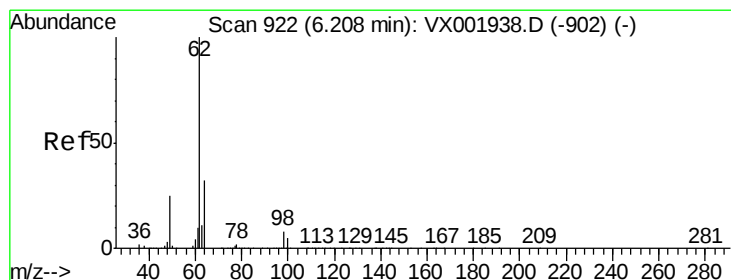
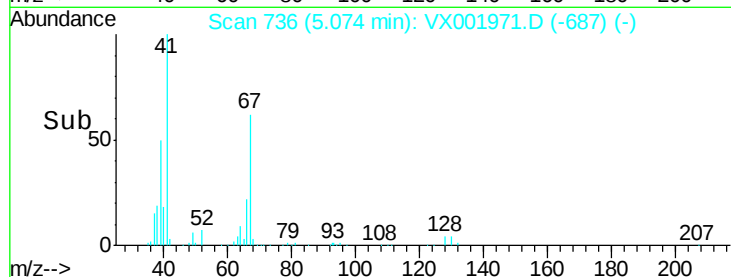
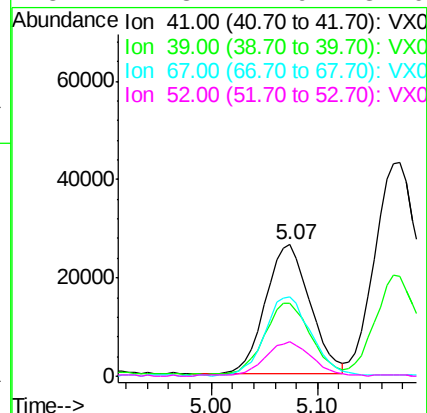
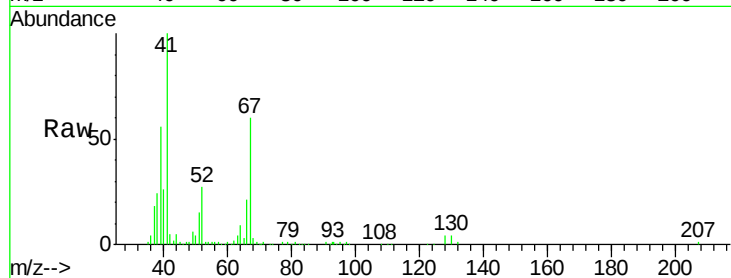
#41
Methacrylonitrile
Concen: 20.462 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0525MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.2	46.0	69.0	
67	62.6	50.6	75.8	
52	27.3	21.9	32.9	

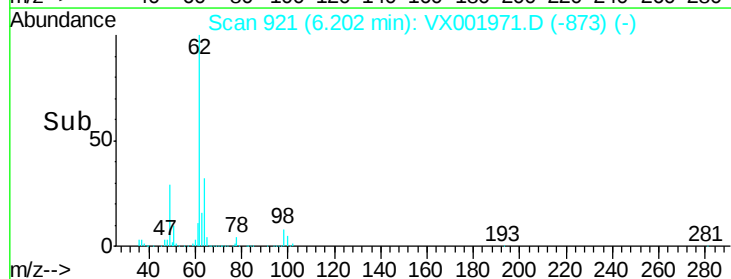
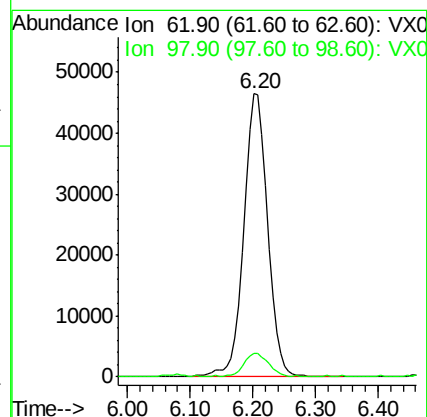
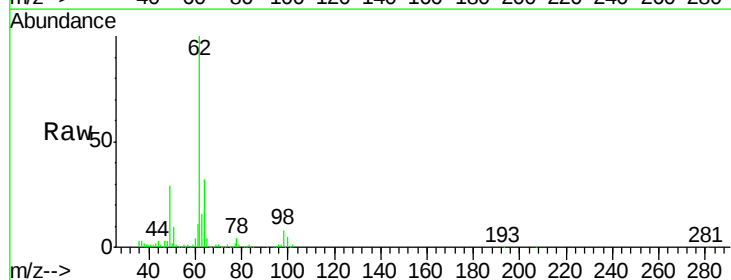
Manual Integrations
APPROVED

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5/29/2018 4:39:21 PM



#42
1,2-Dichloroethane
Concen: 19.846 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

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





#43

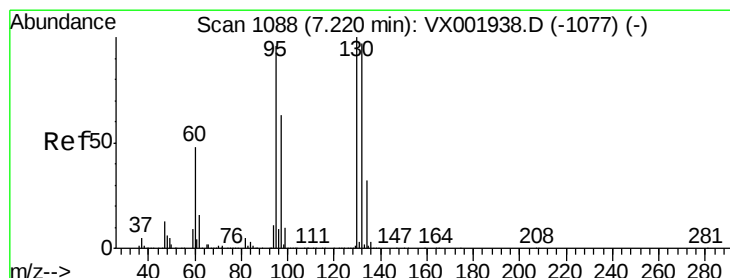
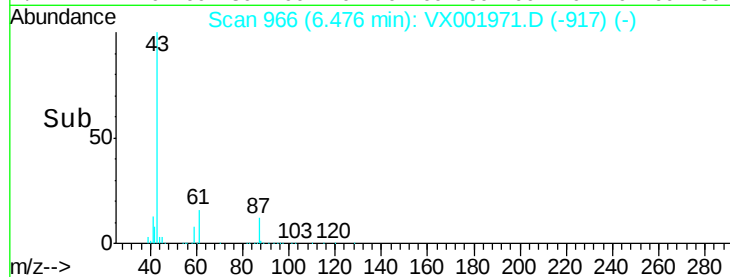
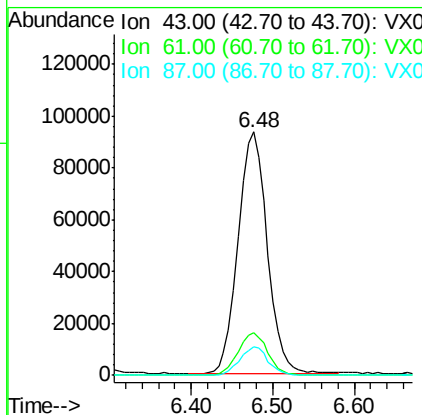
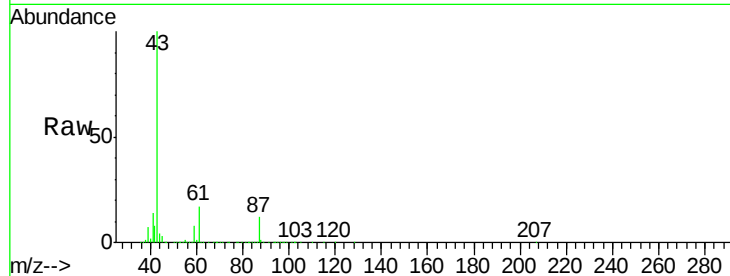
Isopropyl Acetate
 Concen: 20.251 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX001971.D
 Acq: 25 May 2018 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0525MBS01

Tot Ion	43	Resp	230683
Ion Ratio	100	Lower	Upper
43	100		
61	17.9	14.5	21.7
87	11.6	9.5	14.3

Manual Integrations
 APPROVED

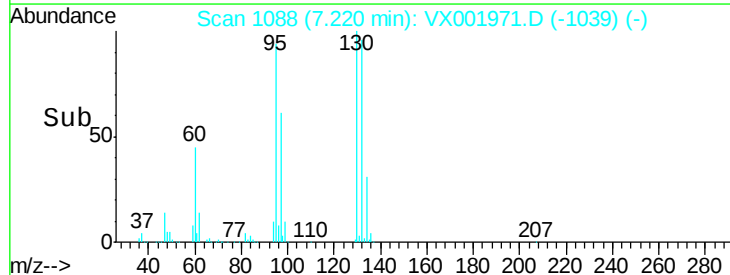
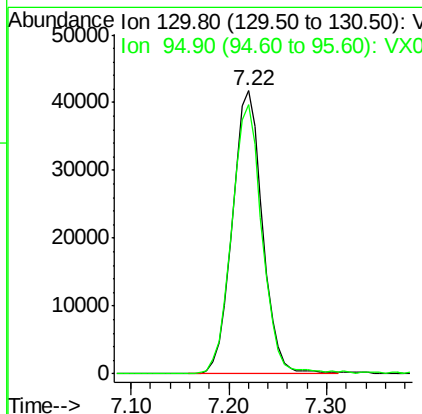
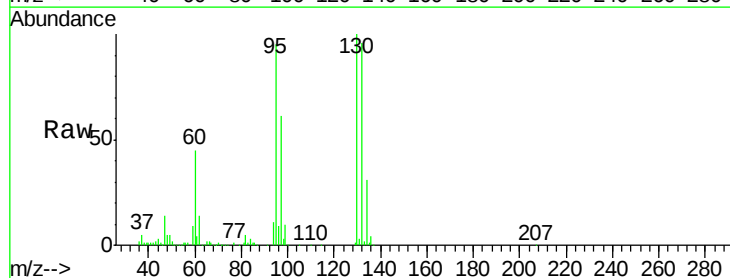
MMDadoda
 5/29/2018 4:39:21 PM



#44

Trichloroethene
 Concen: 19.859 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX001971.D
 Acq: 25 May 2018 12:37

Tgt Ion	130	Resp	88905
Ion Ratio	100	Lower	Upper
130	100		
95	94.7	0.0	192.0





#45

1,2-Dichloropropane

Concen: 19.898 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0525MBS01

Tot Ion: 63 Resp: 83020

Ion Ratio Lower Upper

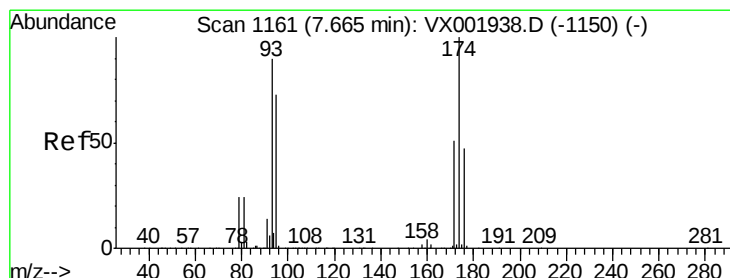
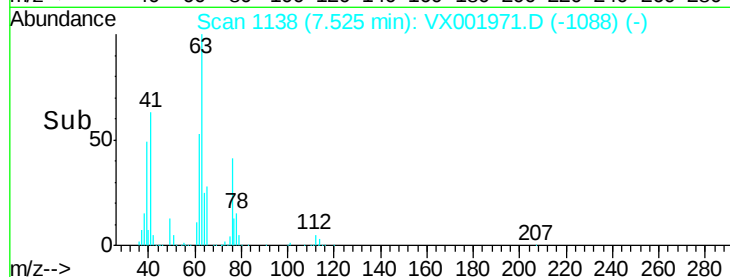
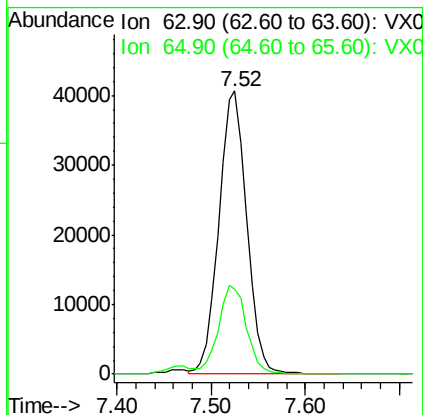
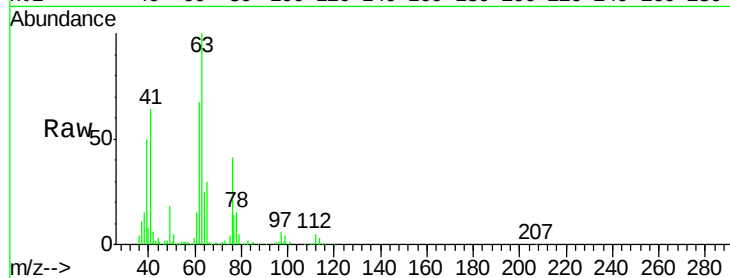
63 100

65 29.7 24.1 36.1

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#46

Dibromomethane

Concen: 20.461 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

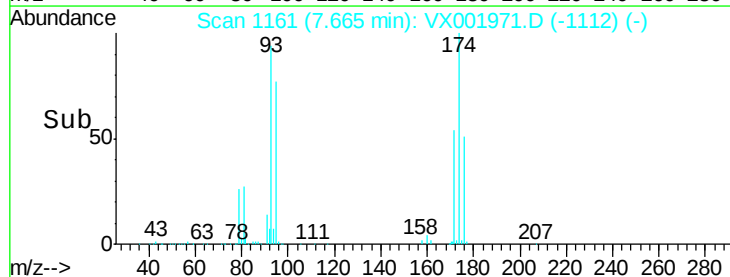
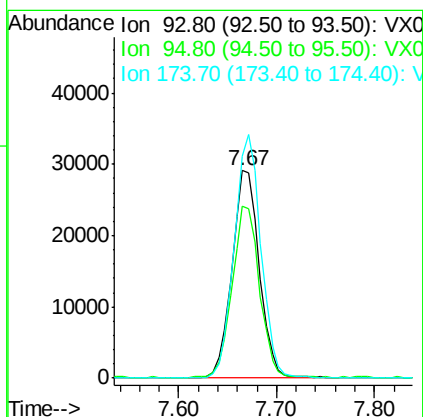
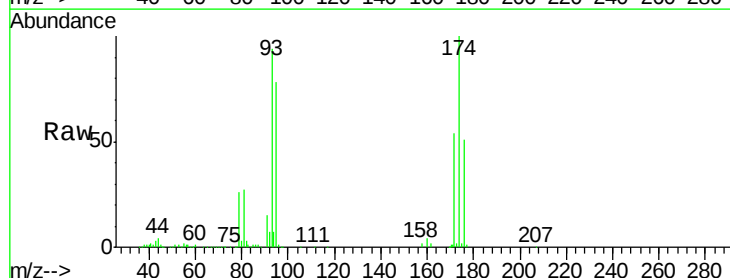
Tgt Ion: 93 Resp: 56520

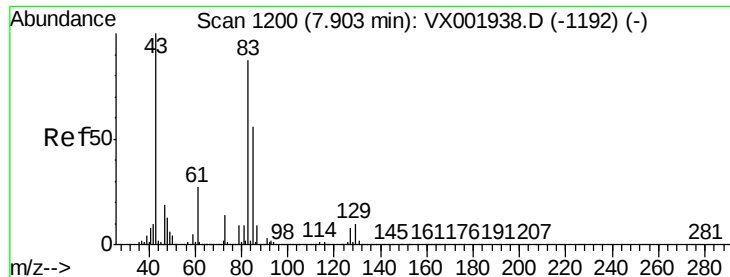
Ion Ratio Lower Upper

93 100

95 82.6 66.1 99.1

174 115.0 92.5 138.7





#47

Bromodichloromethane

Concen: 19.681 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Instrument :

MSVOA_X

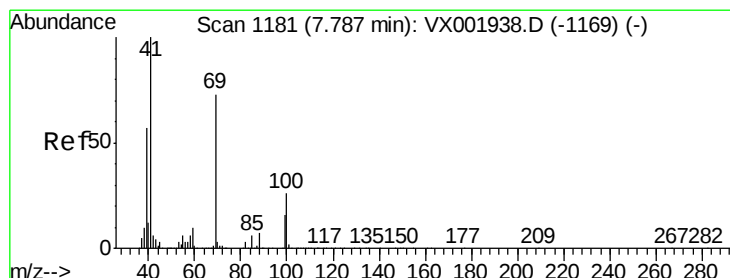
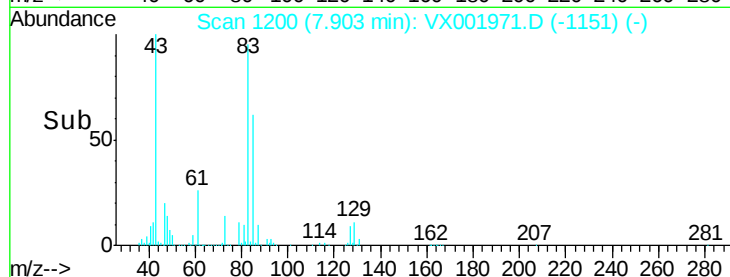
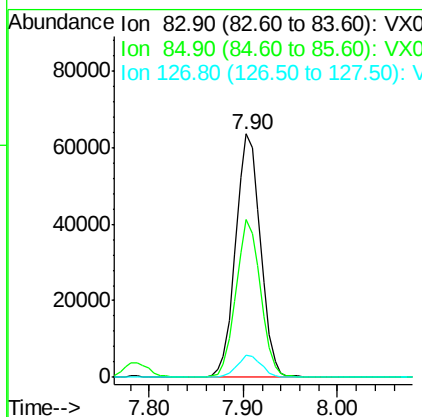
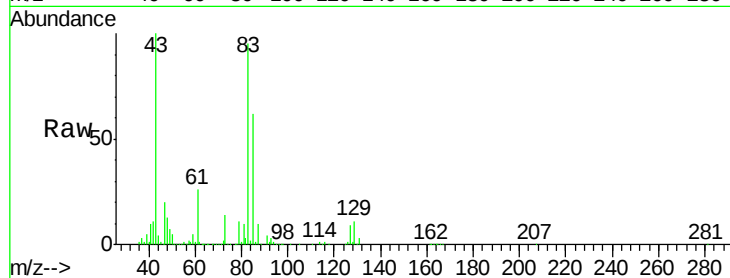
ClientSampleId :

VX0525MBS01

Tot Ion:	83	Resp:	115916
Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.4	77.2
127	9.4	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.980 ug/l

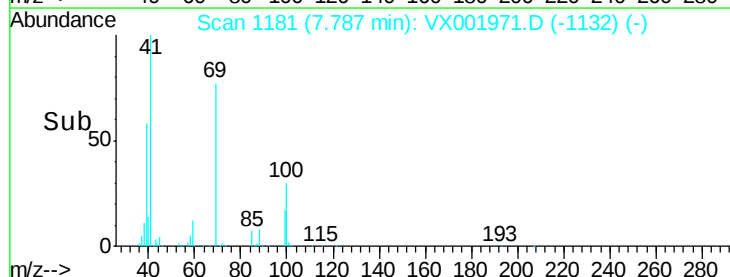
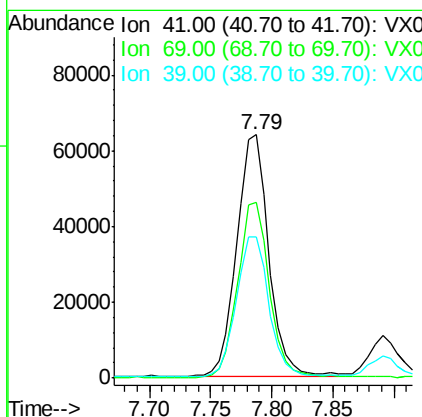
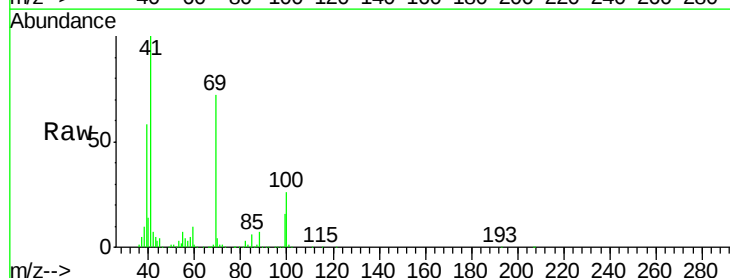
RT: 7.79 min Scan# 1181

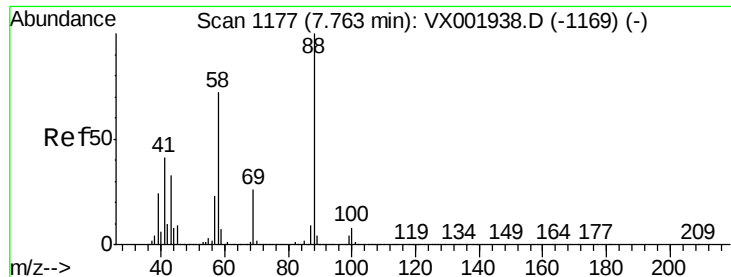
Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Tgt Ion:	41	Resp:	115836
Ion	Ratio	Lower	Upper
41	100		
69	72.1	58.6	87.8
39	59.3	46.3	69.5





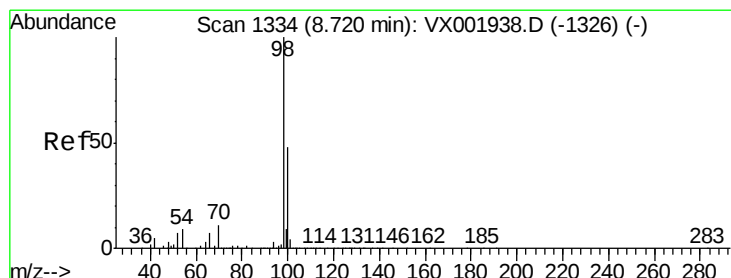
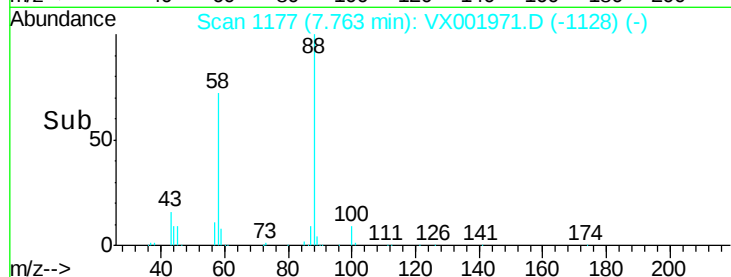
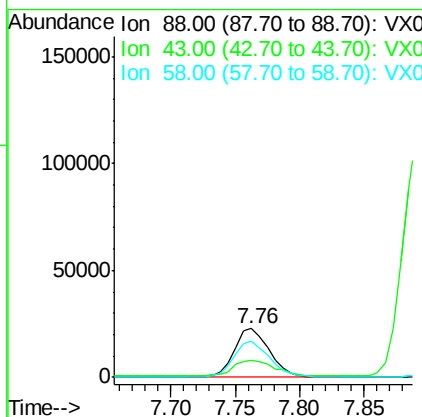
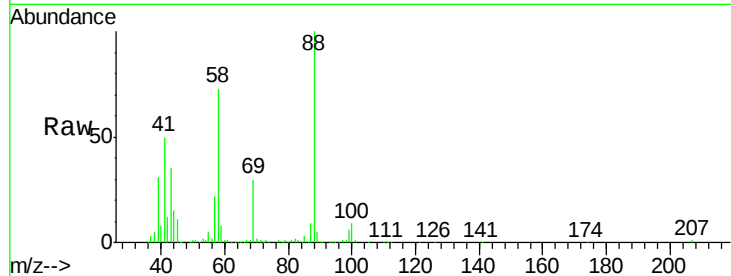
#49
1,4-Dioxane
Concen: 424.313 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0525MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.9	29.8	44.8
58	73.7	58.7	88.1

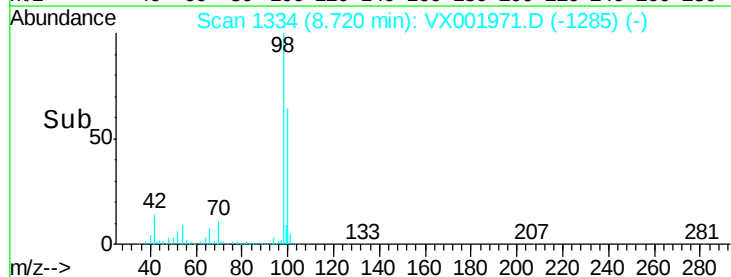
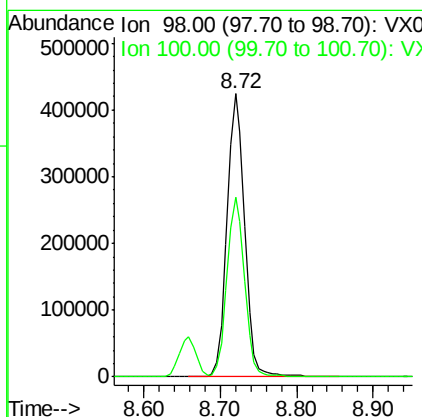
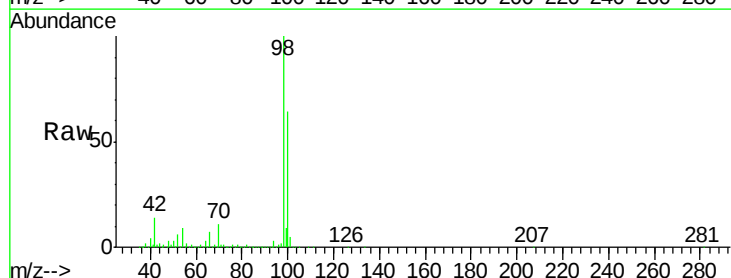
Manual Integrations
APPROVED

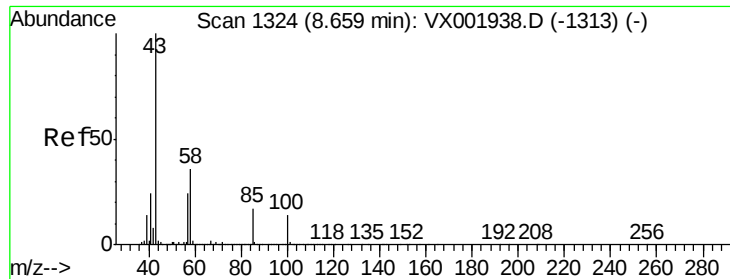
MMDadoda
5/29/2018 4:39:21 PM



#50
Toluene-d8
Concen: 49.562 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 104.388 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0525MBS01

Tot Ion: 43 Resp: 716814

Ion Ratio Lower Upper

43 100

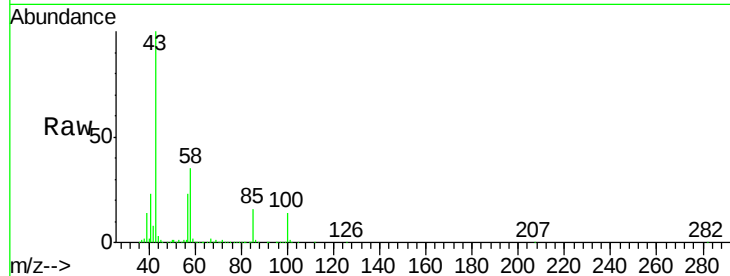
58 34.7 28.5 42.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

400000

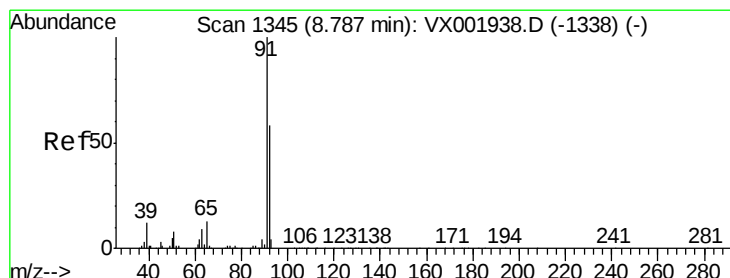
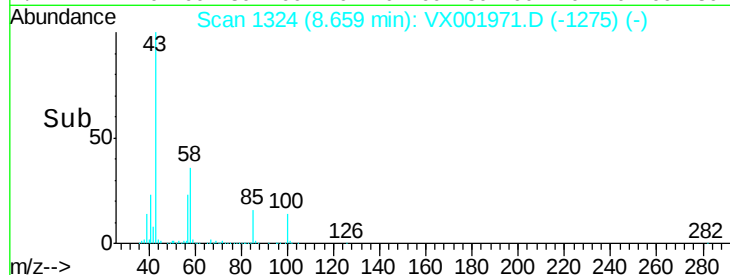
300000

200000

100000

0

Time--> 8.50 8.60 8.70 8.80



#52

Toluene

Concen: 19.431 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX001971.D

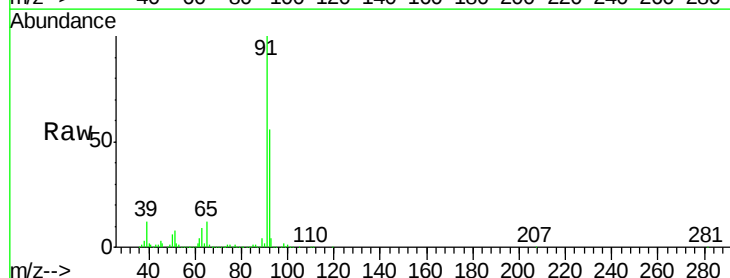
Acq: 25 May 2018 12:37

Tgt Ion: 92 Resp: 189980

Ion Ratio Lower Upper

92 100

91 176.2 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

200000

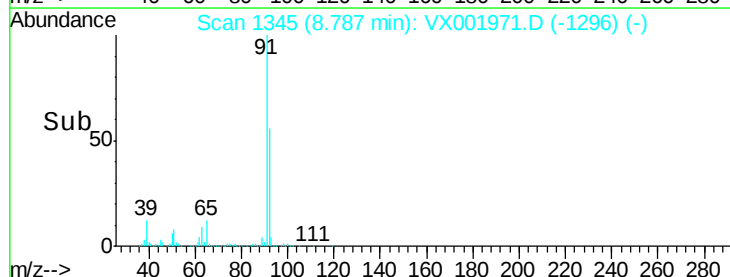
150000

100000

50000

0

Time--> 8.70 8.80 8.90 9.00





#53

t-1,3-Dichloropropene

Concen: 19.593 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0525MBS01

Tot Ion: 75 Resp: 132915

Ion Ratio Lower Upper

75 100

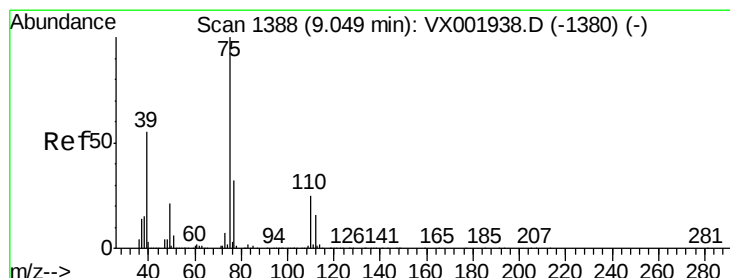
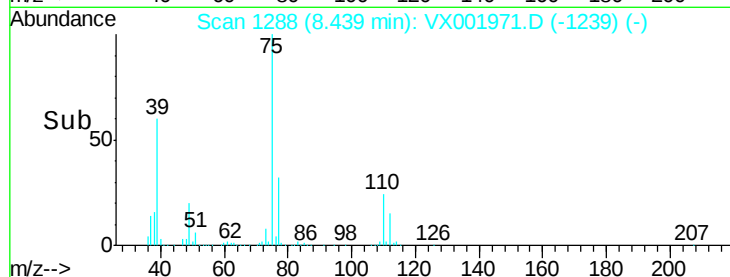
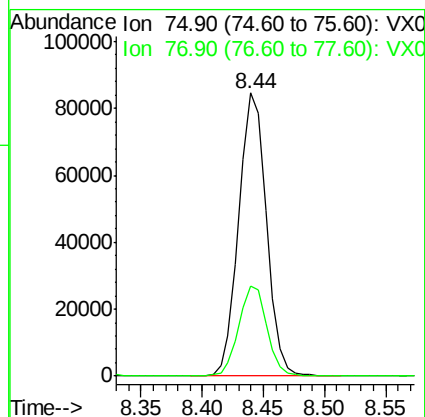
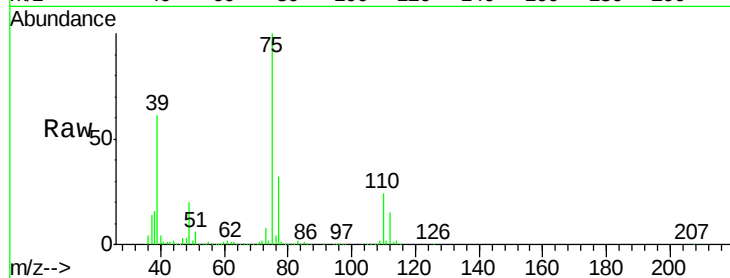
77 31.8 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.563 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

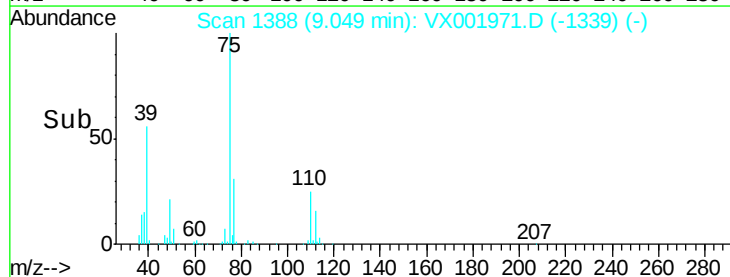
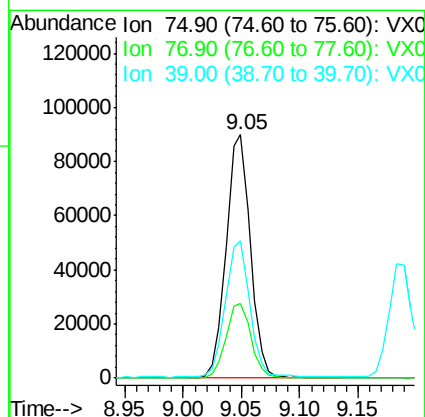
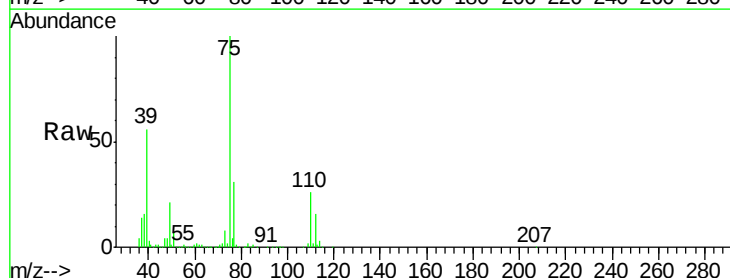
Tgt Ion: 75 Resp: 129318

Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.0

39 55.9 44.1 66.1





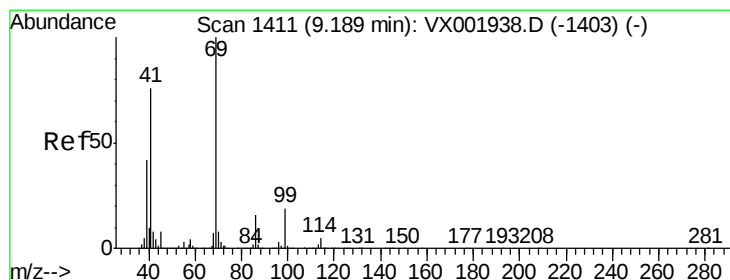
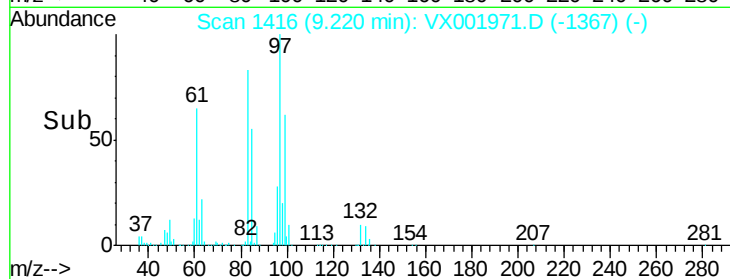
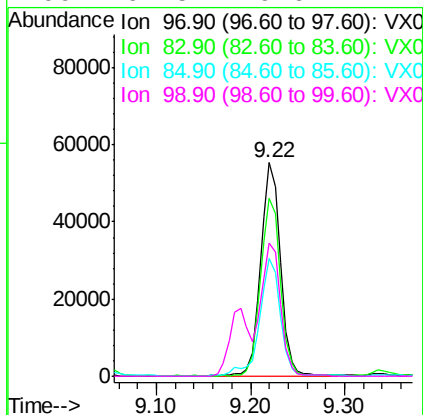
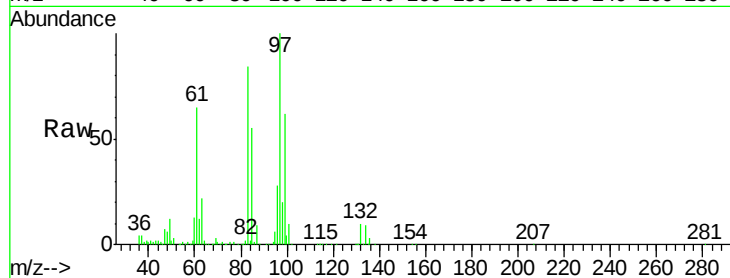
#55
 1,1,2-Trichloroethane
 Concen: 19.943 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001971.D
 Acq: 25 May 2018 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0525MBS01

Tot Ion:	97	Resp:	81456
Ion	Ratio	Lower	Upper
97	100		
83	83.4	69.1	103.7
85	55.2	45.2	67.8
99	62.5	49.6	74.4

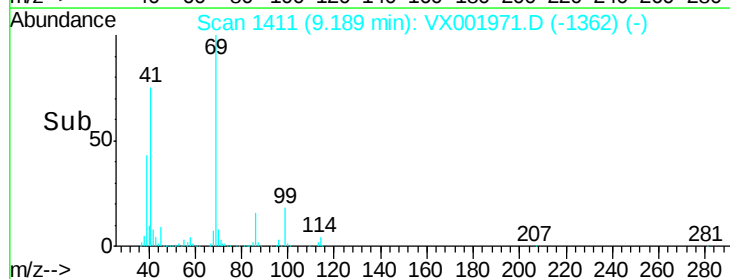
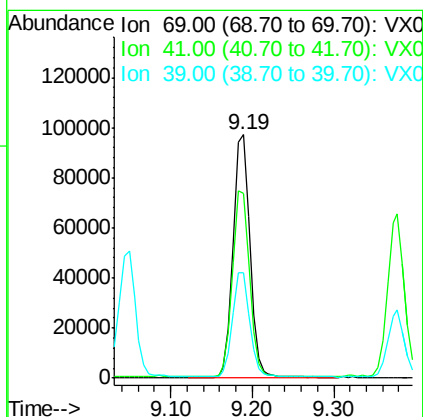
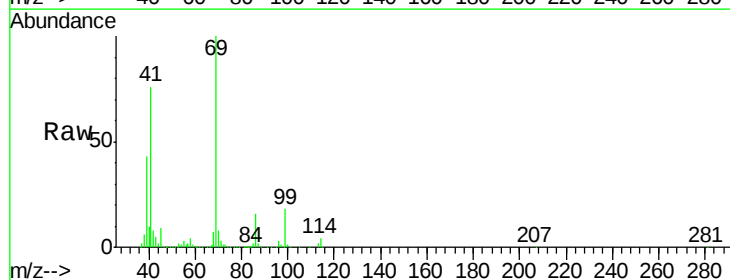
Manual Integrations
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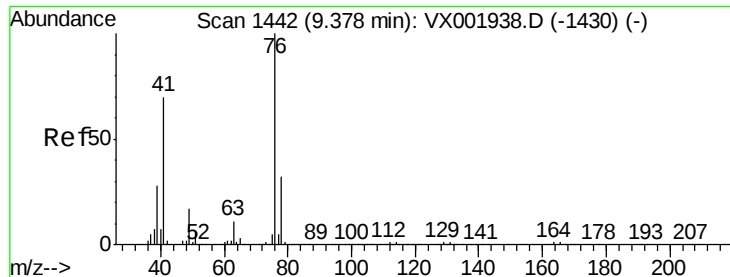
MMDadoda
 5/29/2018 4:39:21 PM



#56
 Ethyl methacrylate
 Concen: 19.580 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001971.D
 Acq: 25 May 2018 12:37

Tgt Ion:	69	Resp:	137558
Ion	Ratio	Lower	Upper
69	100		
41	77.4	61.0	91.6
39	43.7	34.4	51.6





#57

1,3-Dichloropropane

Concen: 20.181 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0525MBS01

Tot Ion: 76 Resp: 135789

Ion Ratio Lower Upper

76 100

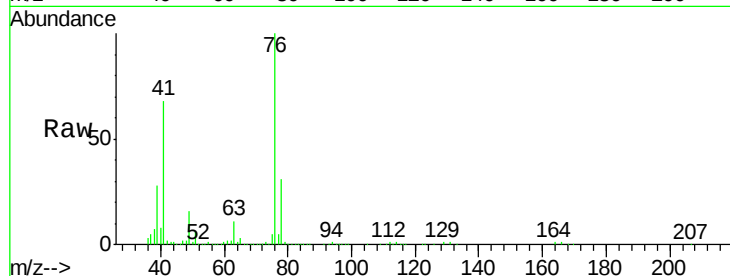
78 32.0 25.6 38.4

Manual Integrations

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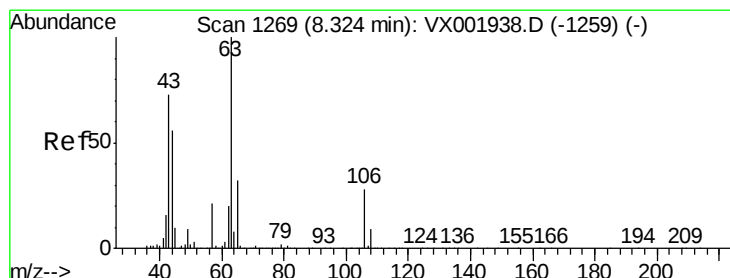
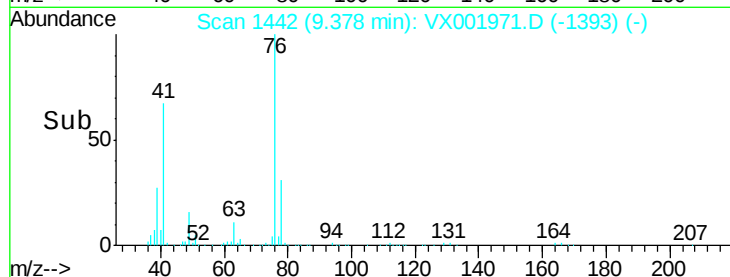
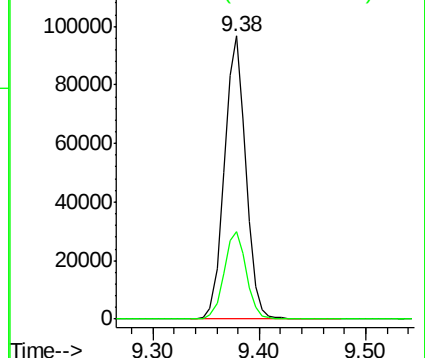
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 104.052 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX001971.D

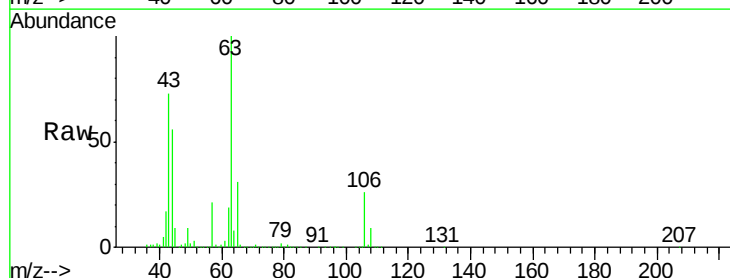
Acq: 25 May 2018 12:37

Tgt Ion: 63 Resp: 323997

Ion Ratio Lower Upper

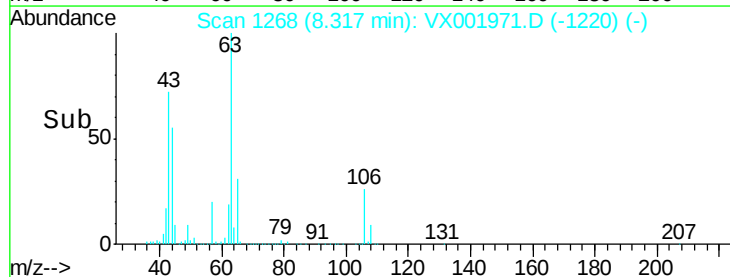
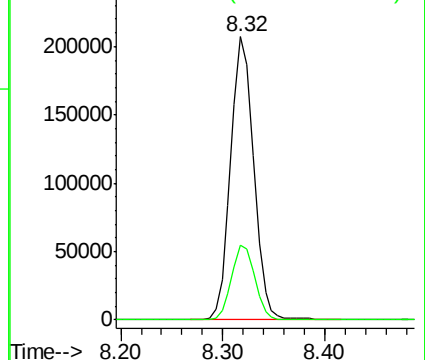
63 100

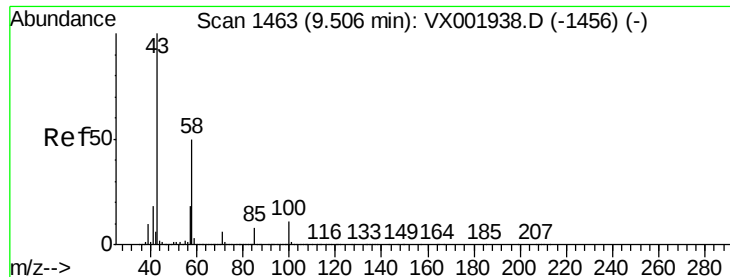
106 27.0 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





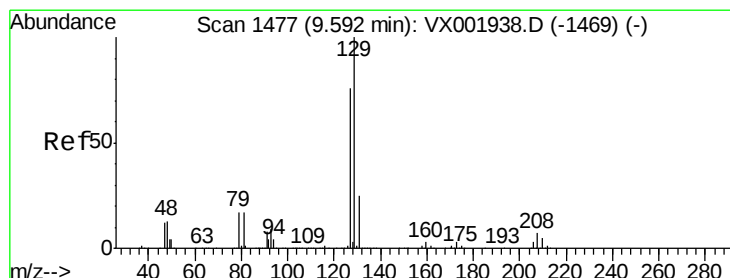
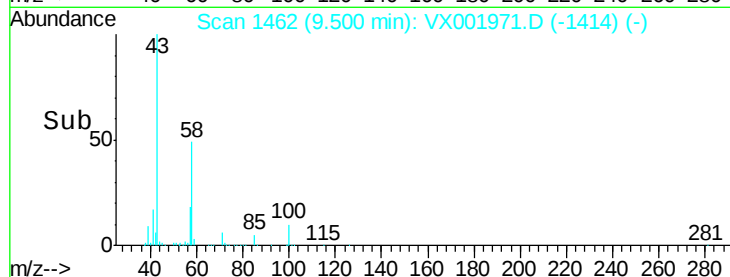
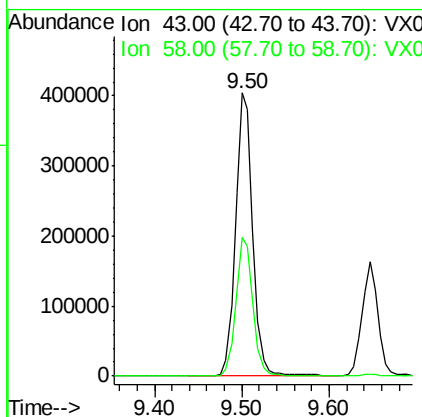
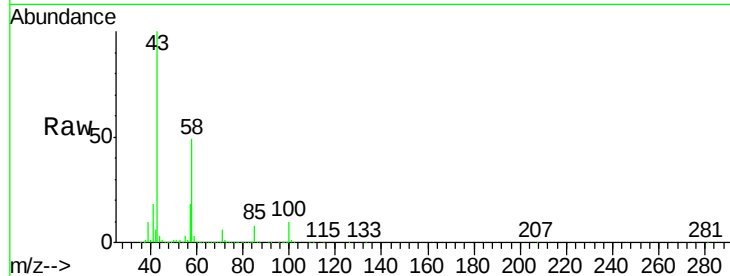
#59
2-Hexanone
Concen: 104.284 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0525MBS01

Tot Ion: 43 Resp: 552159
Ion Ratio Lower Upper
43 100
58 49.0 24.9 74.6

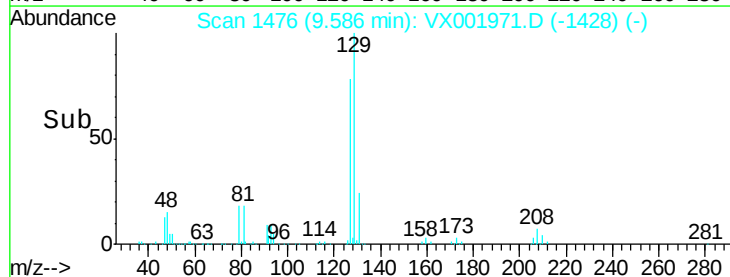
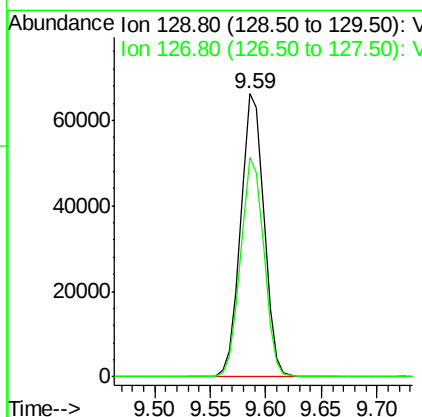
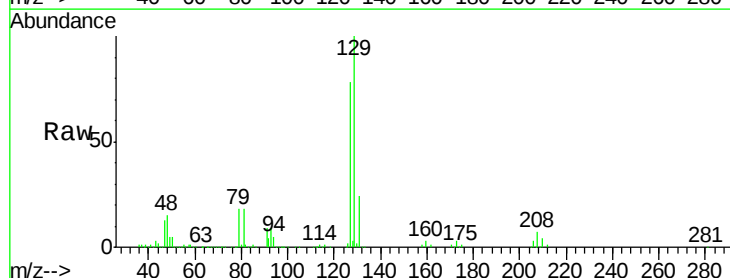
Manual Integrations
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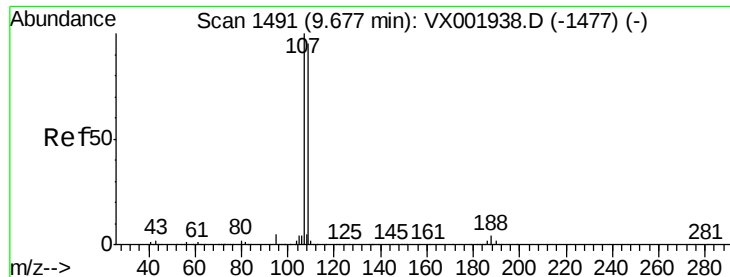
MMDadoda
5/29/2018 4:39:21 PM



#60
Dibromochloromethane
Concen: 19.898 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Tgt Ion: 129 Resp: 96264
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.9





#61

1,2-Dibromoethane

Concen: 19.935 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0525MBS01

Tot Ion: 107 Resp: 85436

Ion Ratio Lower Upper

107 100

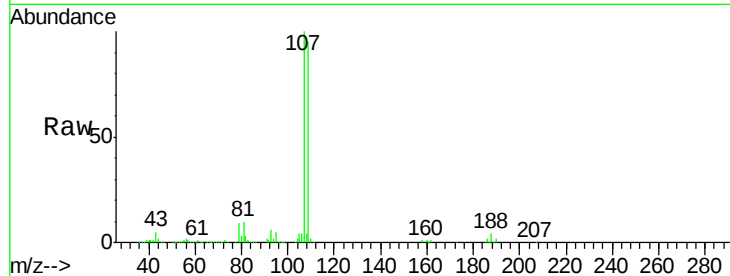
109 95.7 75.3 112.9

Manual Integrations

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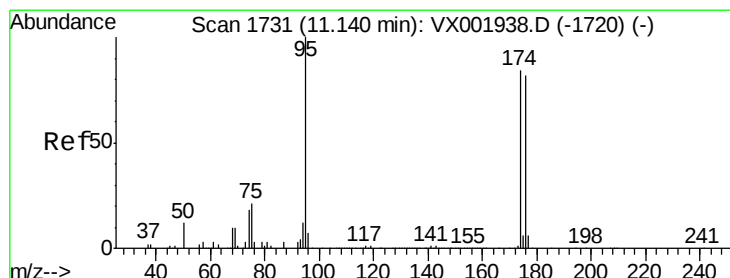
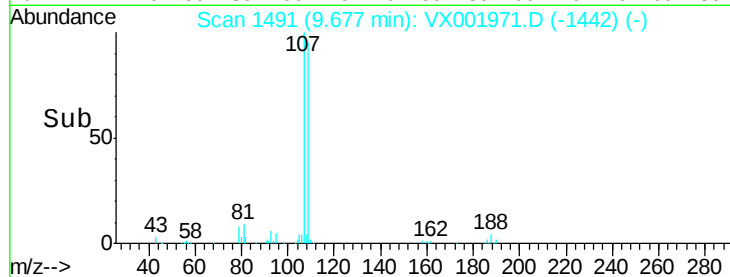
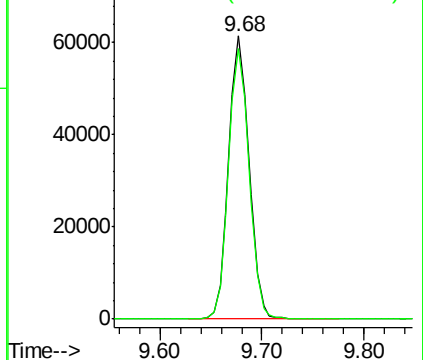
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.378 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

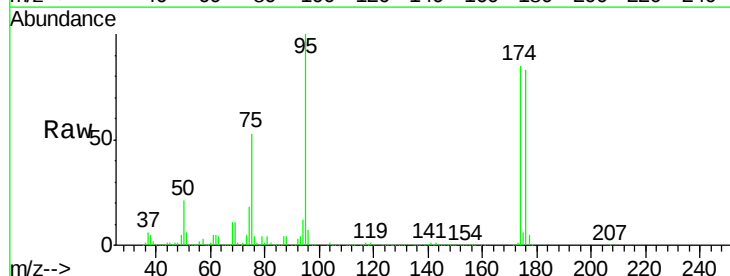
Tgt Ion: 95 Resp: 258347

Ion Ratio Lower Upper

95 100

174 91.3 0.0 178.8

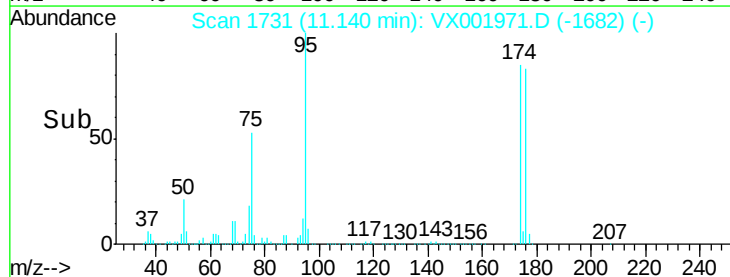
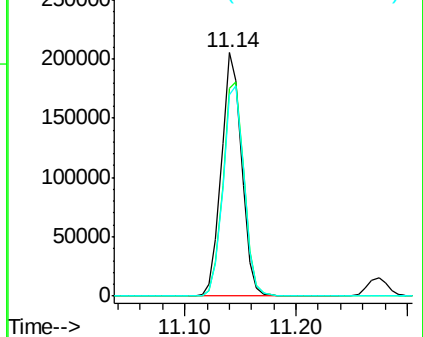
176 89.2 0.0 175.6



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





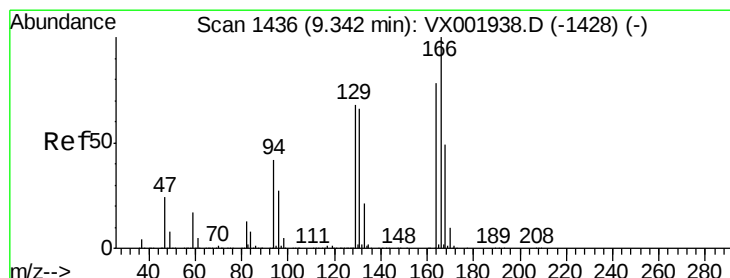
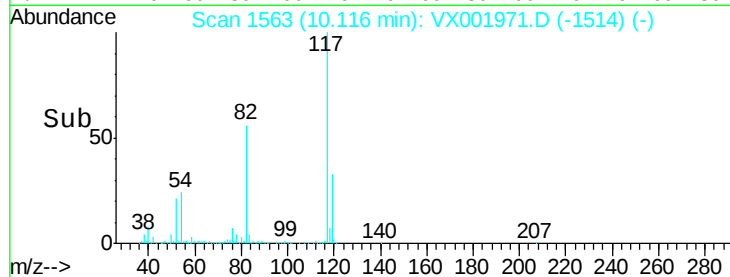
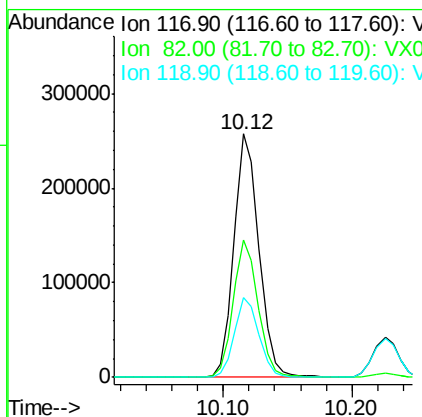
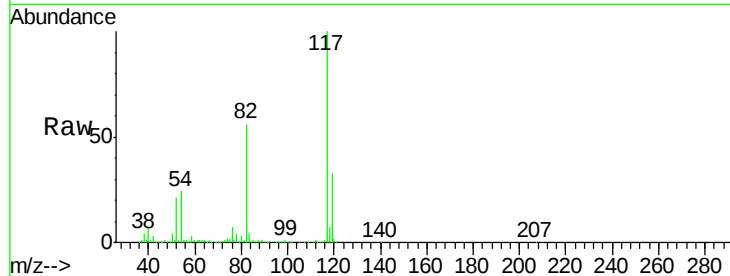
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0525MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	349922		
82	56.2	44.8	67.2	
119	32.6	25.5	38.3	

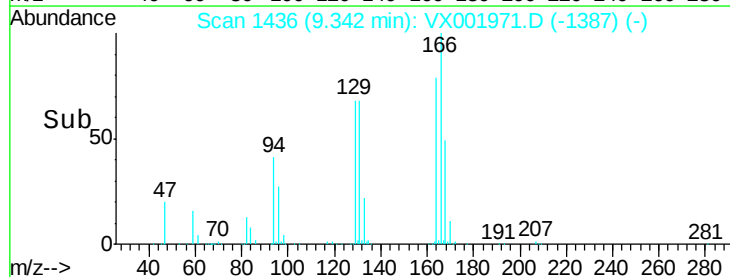
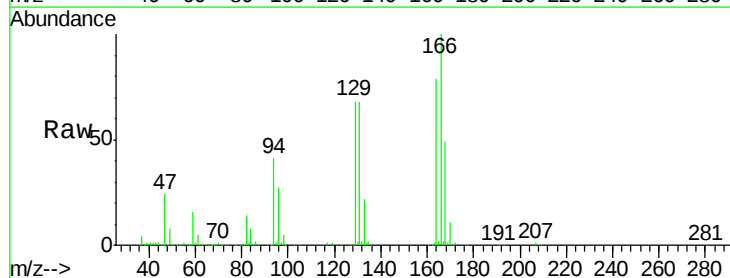
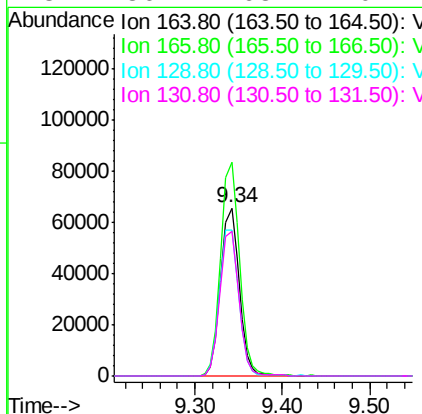
Manual Integrations
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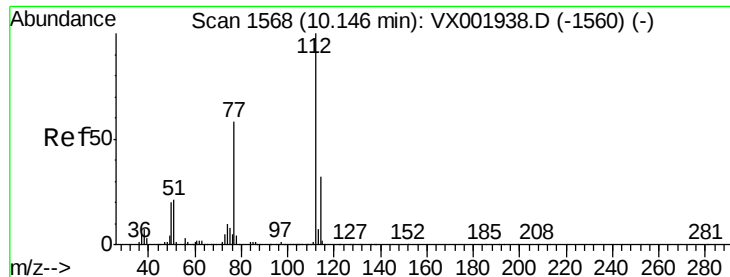
MMDadoda
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#64
Tetrachloroethene
Concen: 19.394 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	97301		
166	127.1	102.7	154.1	
129	86.8	70.3	105.5	
131	86.1	68.2	102.4	





#65

Chlorobenzene

Concen: 19.624 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0525MBS01

Tot Ion:112 Resp: 217555

Ion Ratio Lower Upper

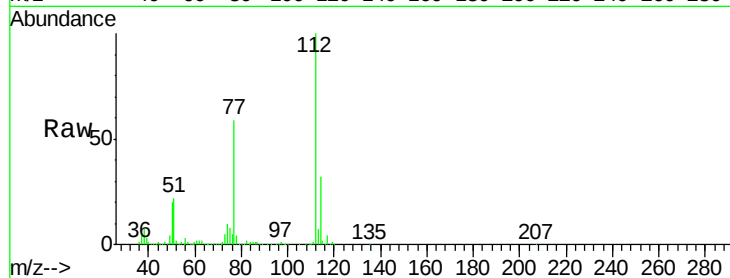
112 100

114 32.5 25.9 38.9

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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

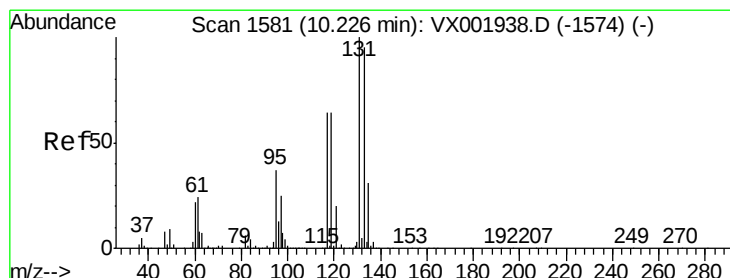
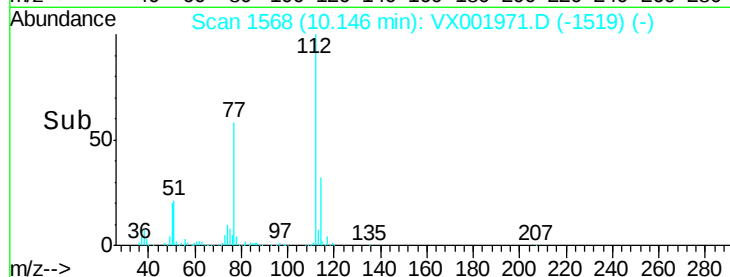
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.287 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

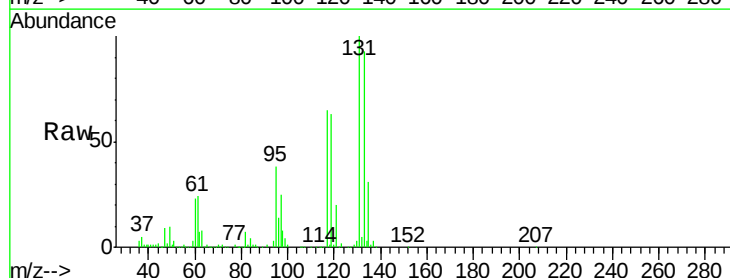
Tgt Ion:131 Resp: 86342

Ion Ratio Lower Upper

131 100

133 95.2 48.0 144.0

119 63.9 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

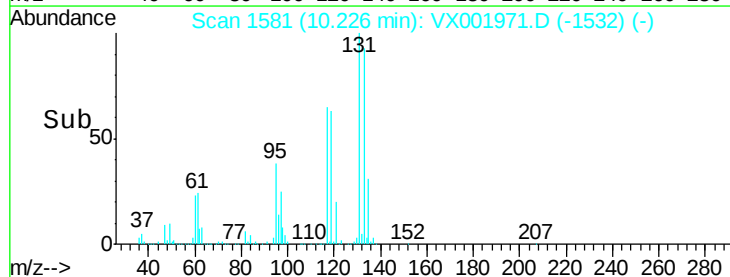
60000

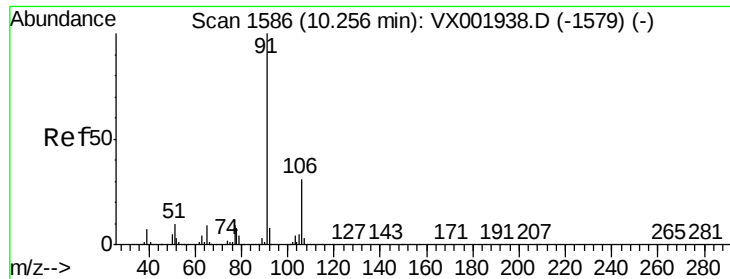
40000

20000

0

Time-->





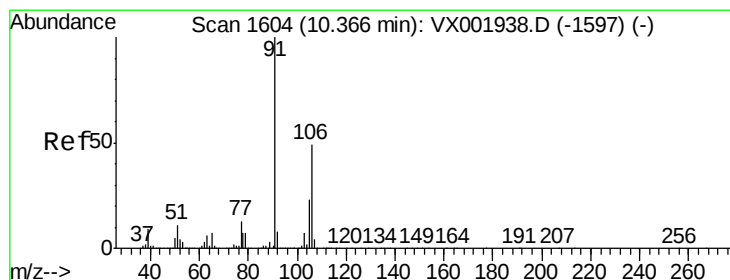
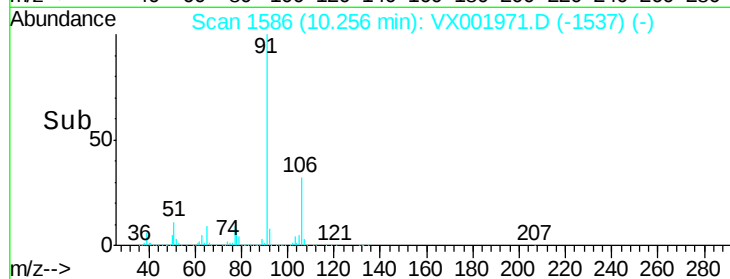
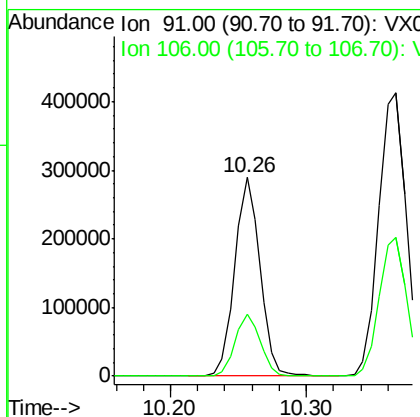
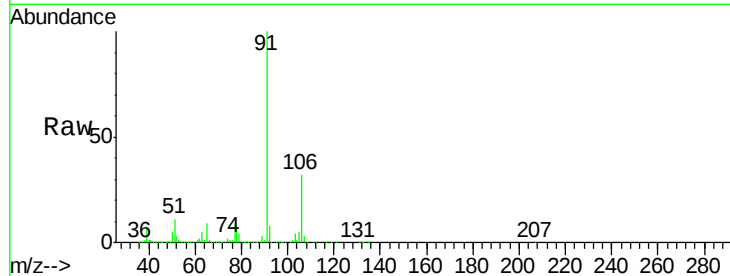
#67
Ethyl Benzene
Concen: 19.490 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0525MBS01

Tot Ion: 91 Resp: 375416
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.6

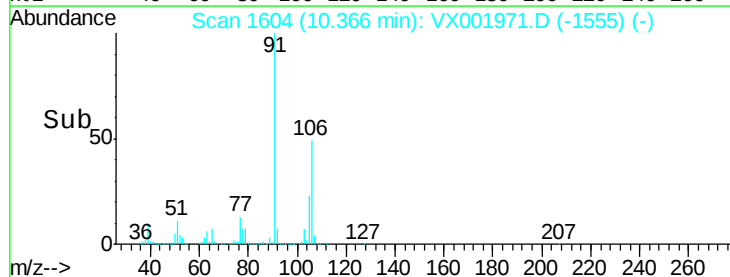
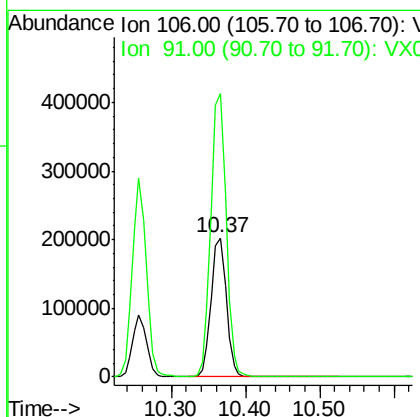
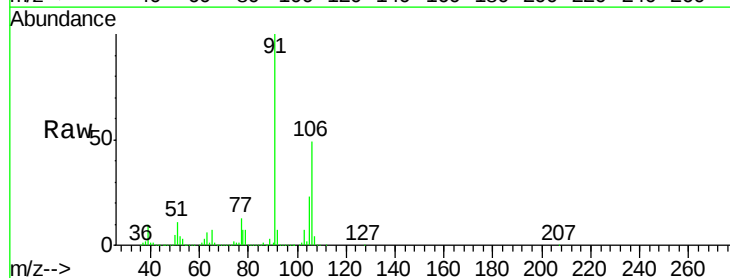
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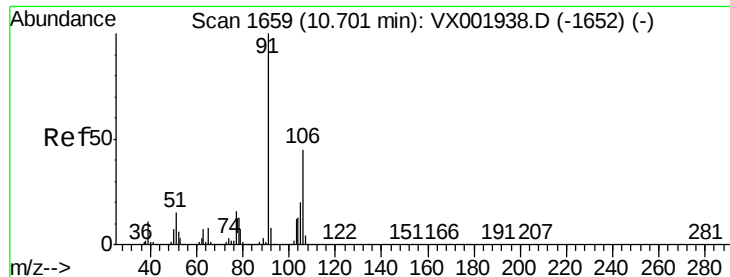
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#68
m/p-Xylenes
Concen: 38.838 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Tgt Ion: 106 Resp: 285973
Ion Ratio Lower Upper
106 100
91 205.8 165.0 247.6





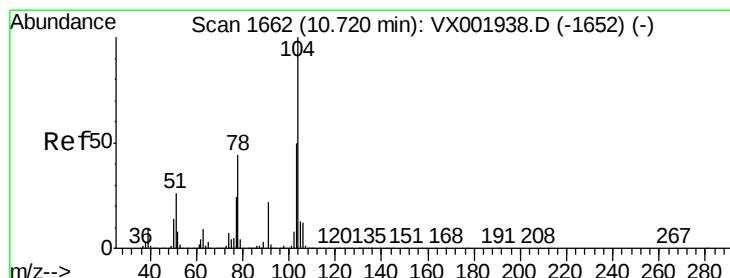
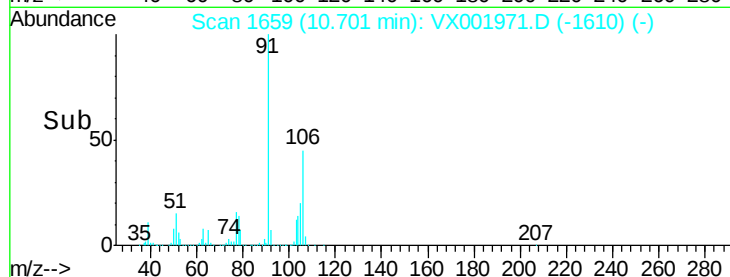
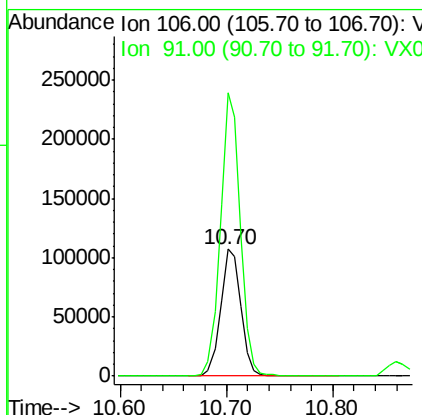
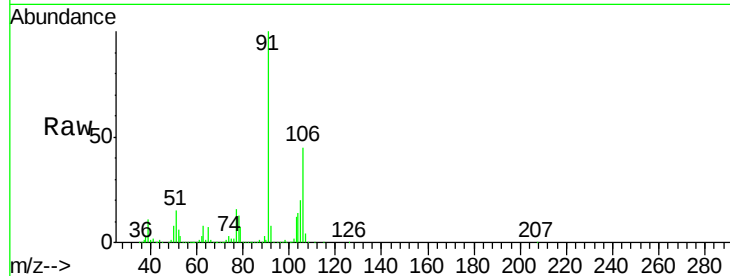
#69
o-Xylene
Concen: 19.350 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Instrument :
MSVOA_X
ClientSampled :
VX0525MBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.1	108.7	325.9

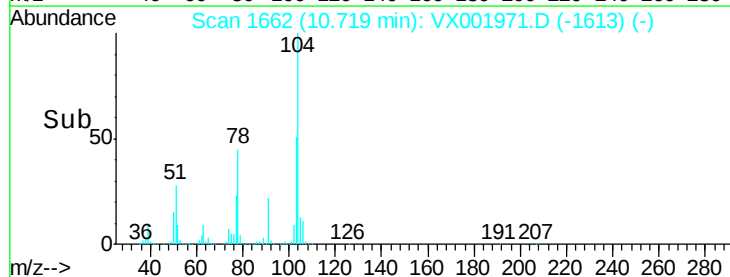
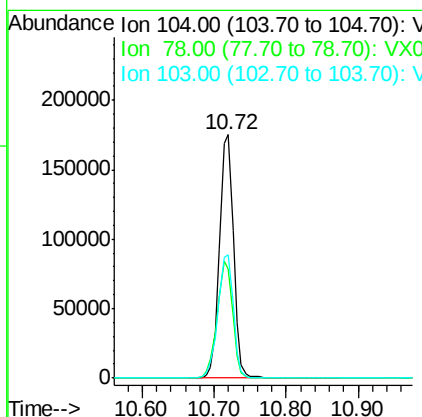
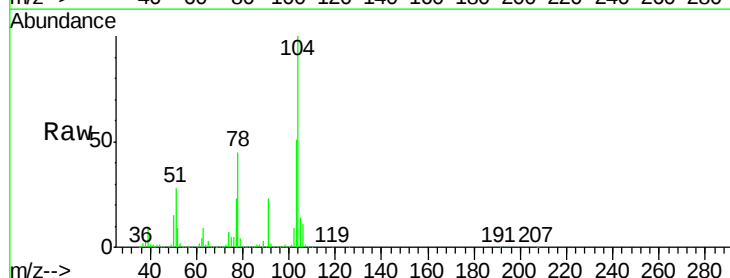
Manual Integrations
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#70
Styrene
Concen: 19.343 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.2	41.8	62.6
103	55.5	44.6	67.0





#71

Bromoform

Concen: 18.976 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Instrument :

MSVOA_X

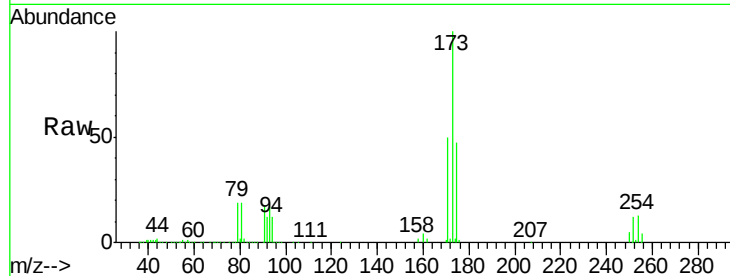
ClientSampleId :

VX0525MBS01

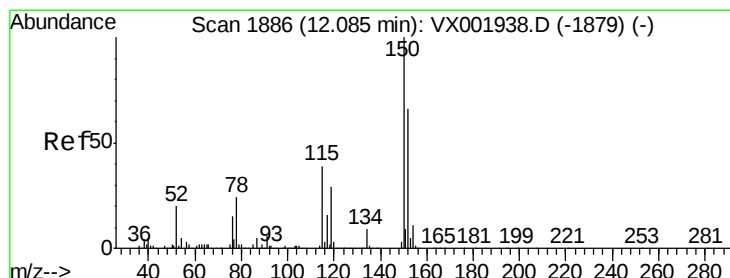
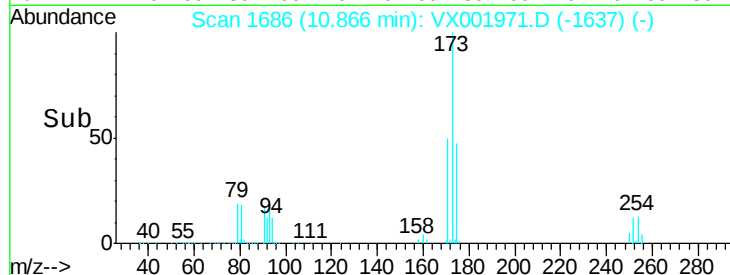
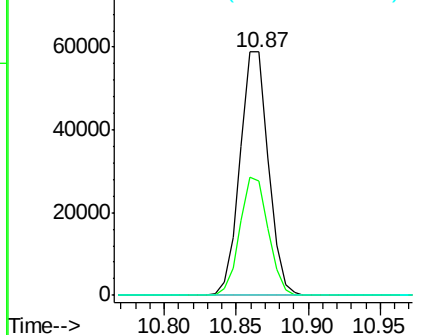
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	72.9
254	0.2	0.1	0.1#

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

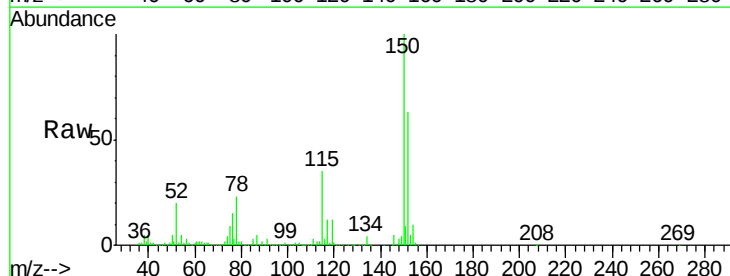
RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

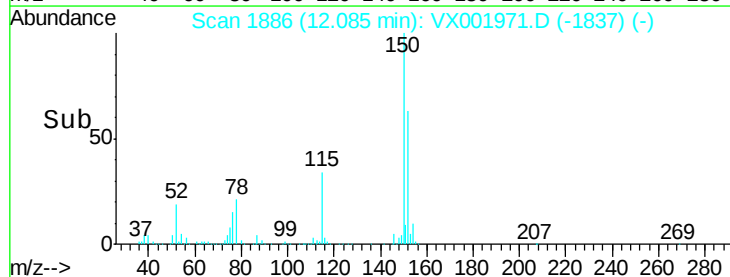
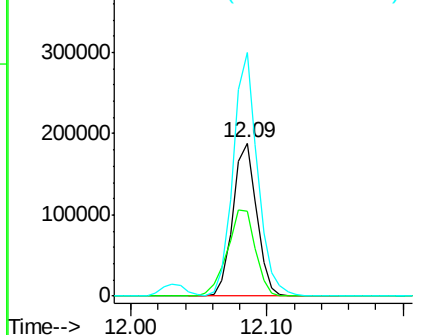
Lab File: VX001971.D

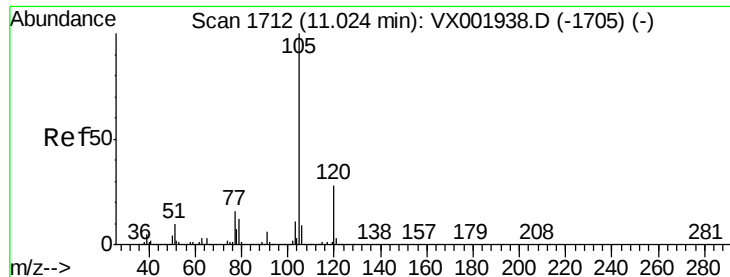
Acq: 25 May 2018 12:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.4	42.3	126.8
150	164.1	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: 19.637 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0525MBS01

Tot Ion:105 Resp: 380130

Ion Ratio Lower Upper

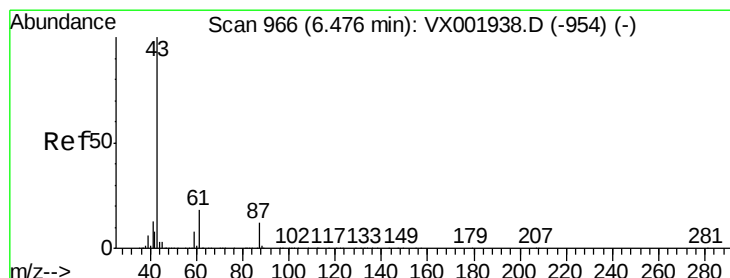
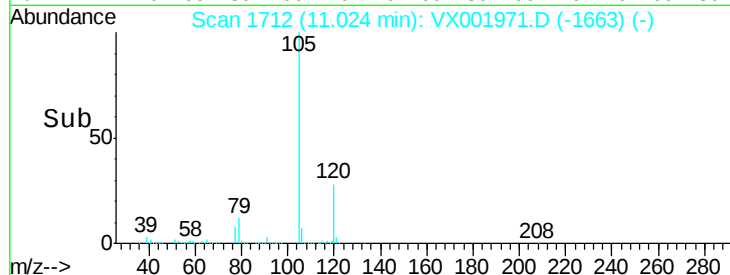
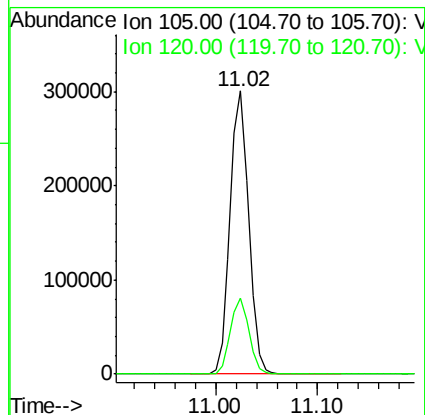
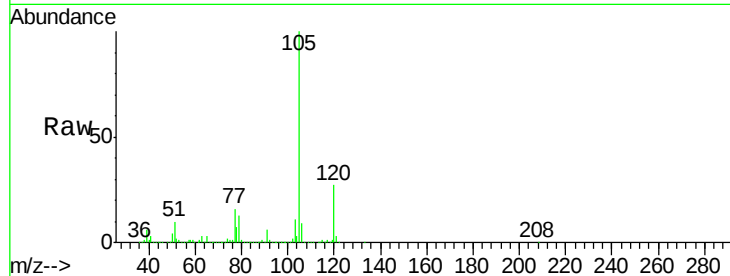
105 100

120 26.8 13.6 40.7

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#74

N-ethyl acetate

Concen: 21.151 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Tgt Ion: 43 Resp: 230683

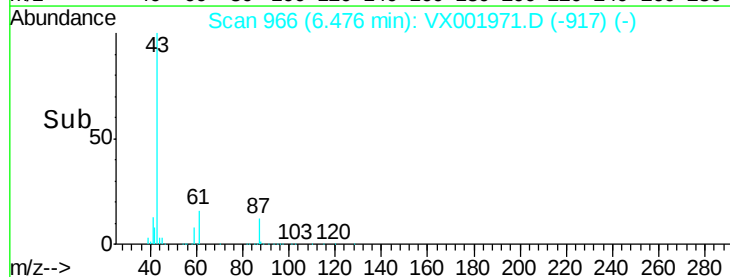
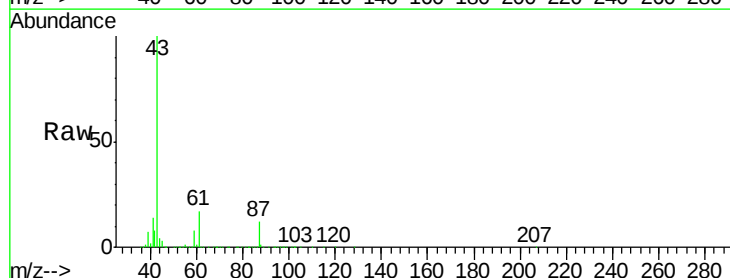
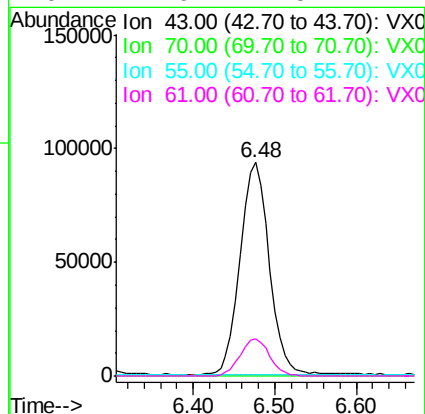
Ion Ratio Lower Upper

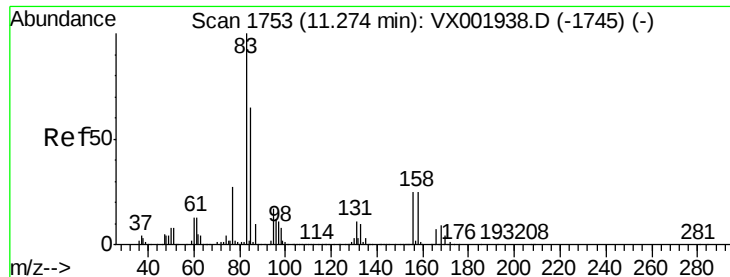
43 100

70 0.1 0.1 0.1#

55 0.1 0.1 0.1#

61 17.9 14.5 21.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.338 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Instrument :

MSVOA_X

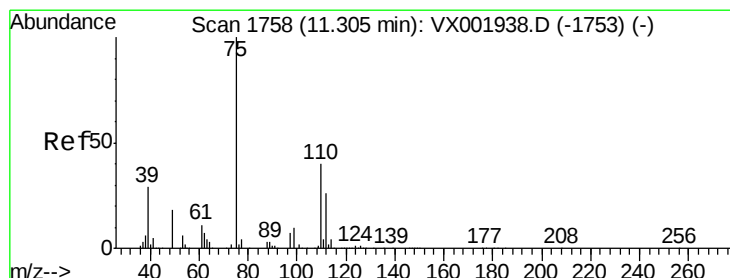
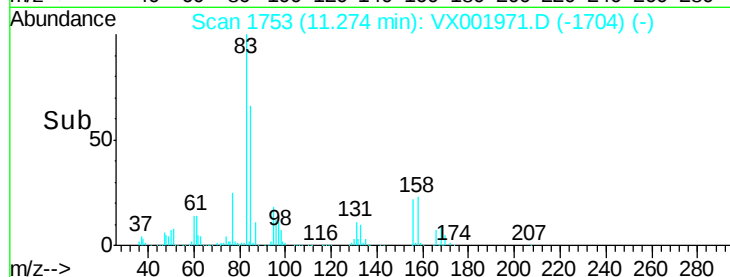
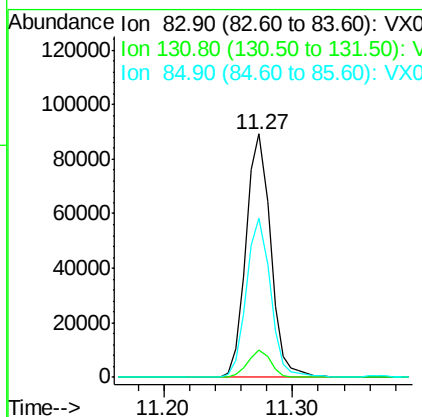
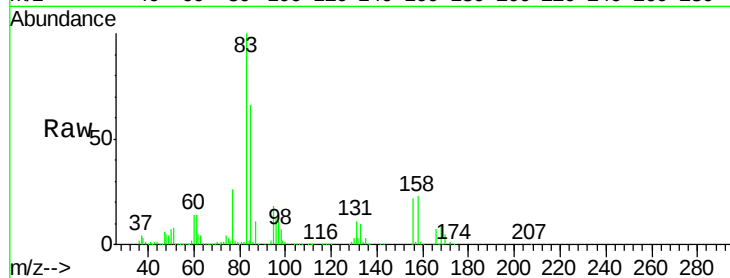
ClientSampleId :

VX0525MBS01

Tot Ion:	83	Resp:	116820
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.7	17.0
85	64.5	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 23.106 ug/l m

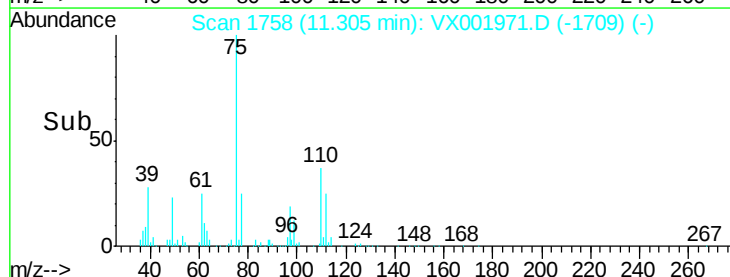
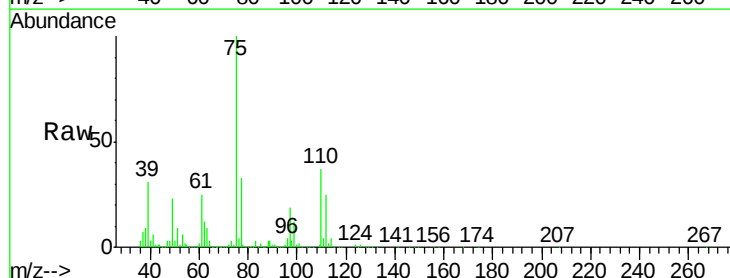
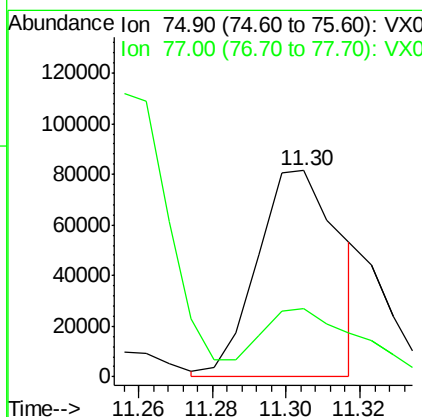
RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Tgt Ion:	75	Resp:	126872
Ion Ratio	Lower	Upper	
75	100		
77	40.3	22.8	68.3





#77

Bromobenzene

Concen: 19.434 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0525MBS01

Tot Ion:156 Resp: 99813

Ion Ratio Lower Upper

156 100

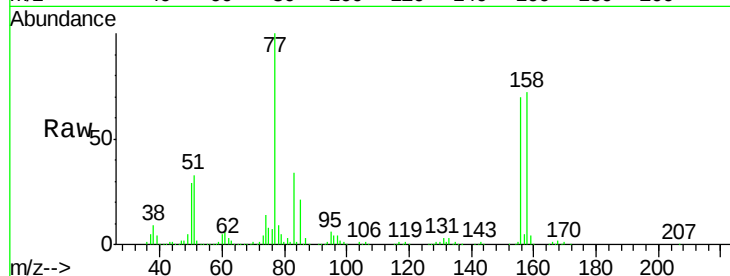
77 148.3 75.2 225.6

158 100.6 48.6 145.8

Manual Integrations
APPROVED

MMDadoda

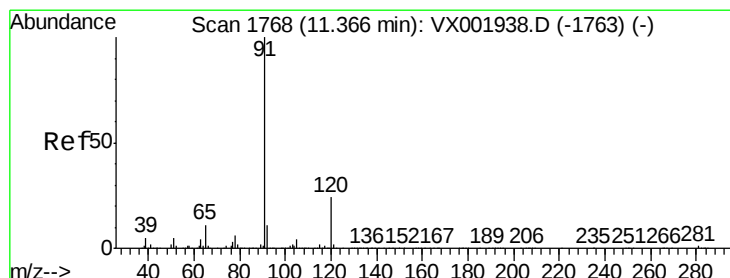
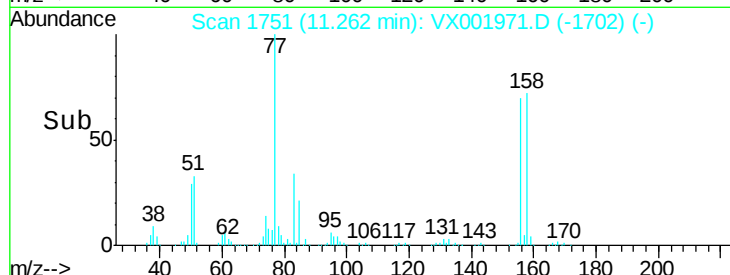
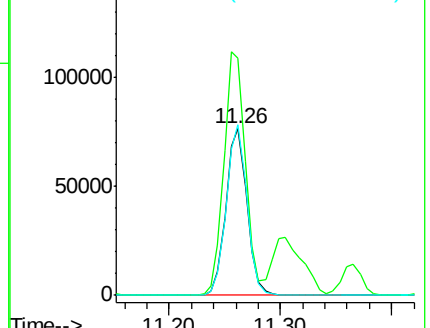
5/29/2018 4:39:21 PM



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: 19.410 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001971.D

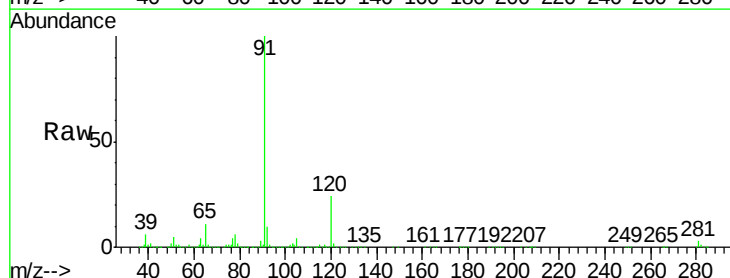
Acq: 25 May 2018 12:37

Tgt Ion: 91 Resp: 420839

Ion Ratio Lower Upper

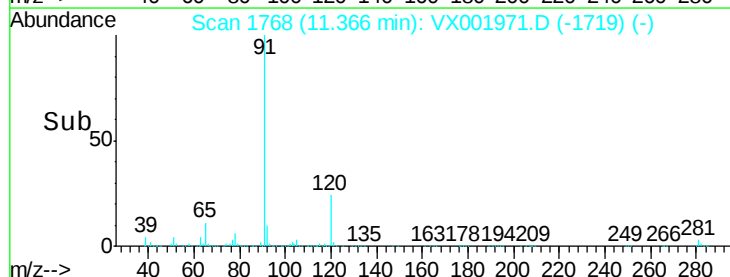
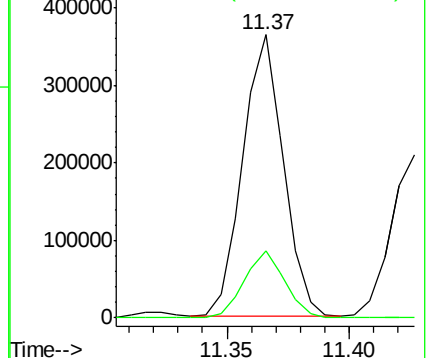
91 100

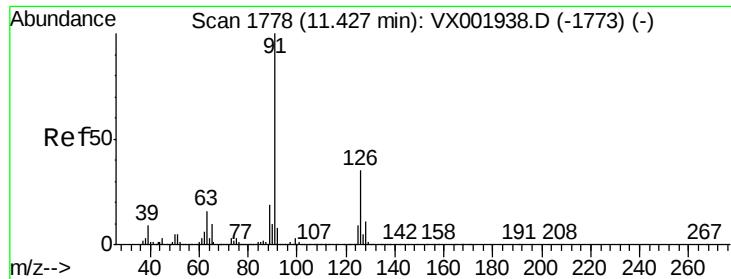
120 23.7 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.309 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0525MBS01

Tot Ion: 91 Resp: 257825

Ion Ratio Lower Upper

91 100

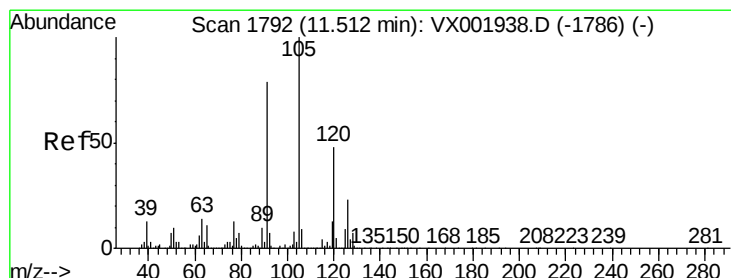
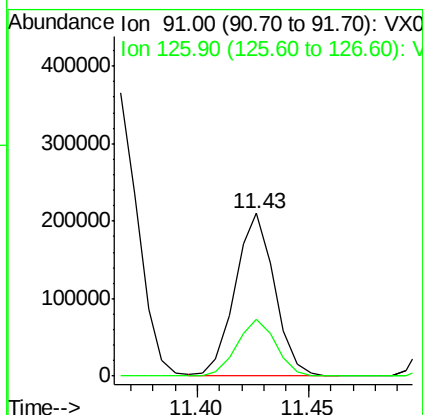
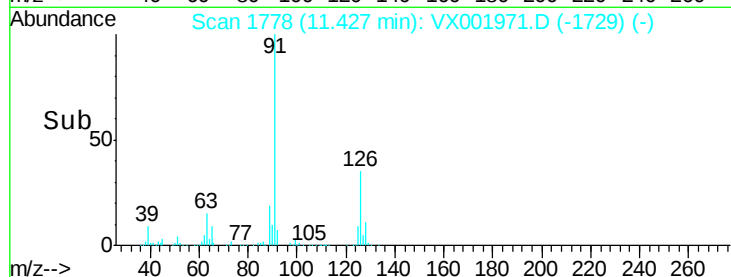
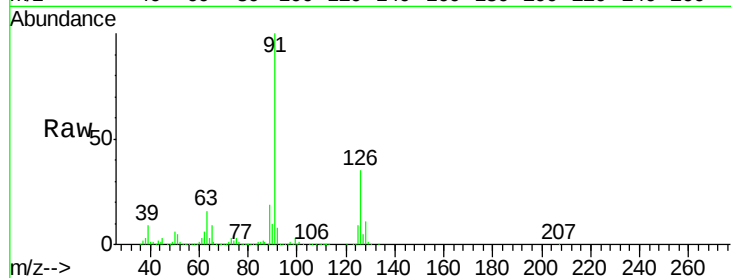
126 34.8 17.4 52.2

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#80

1,3,5-Trimethylbenzene

Concen: 19.474 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001971.D

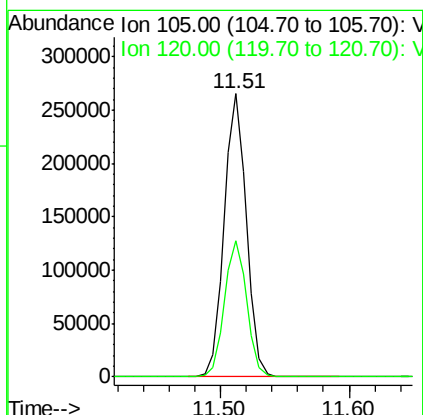
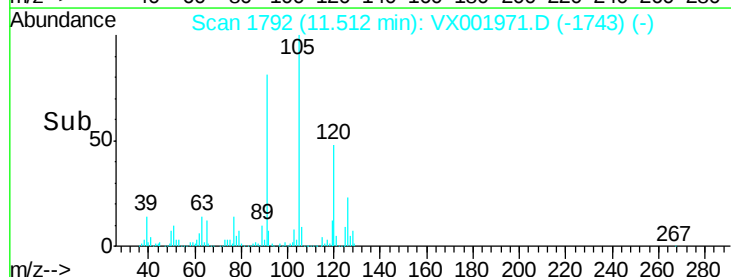
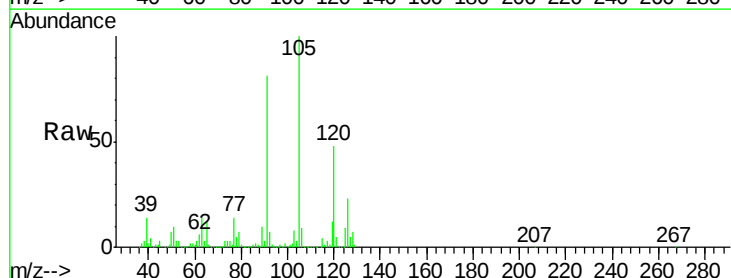
Acq: 25 May 2018 12:37

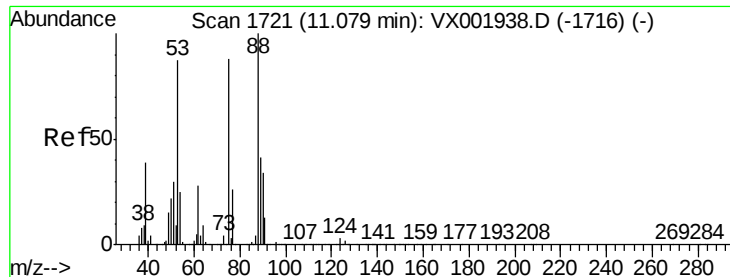
Tgt Ion: 105 Resp: 322169

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.4





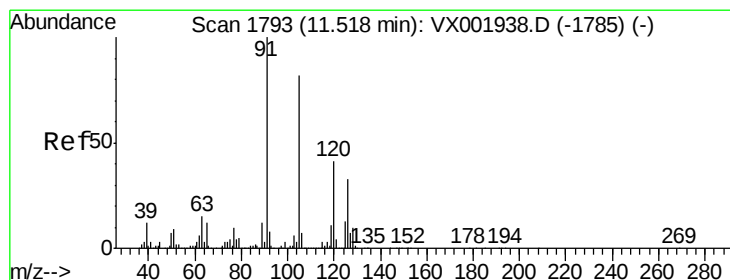
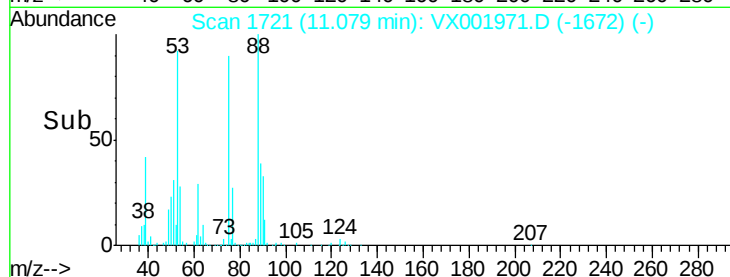
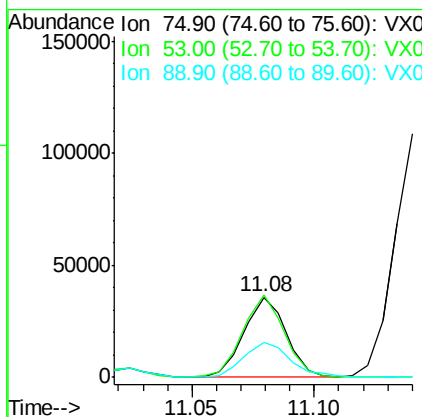
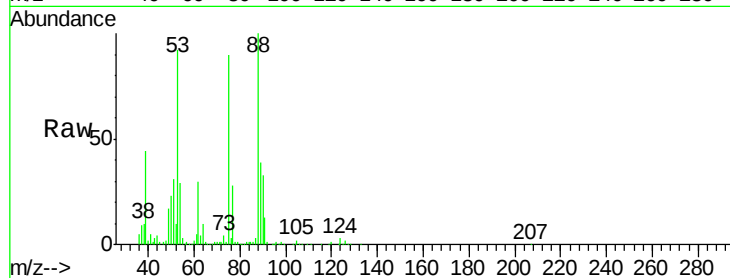
#81
trans-1,4-Dichloro-2-butene
Concen: 18.718 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0525MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.8	78.0	117.0
89	49.4	39.4	59.2

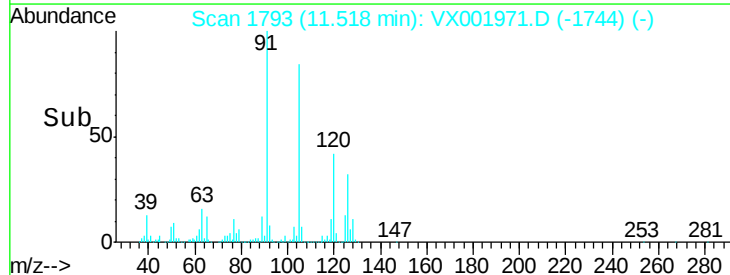
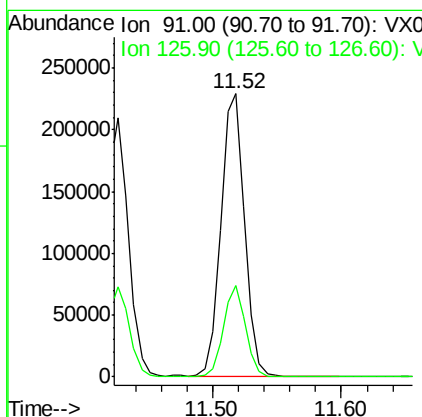
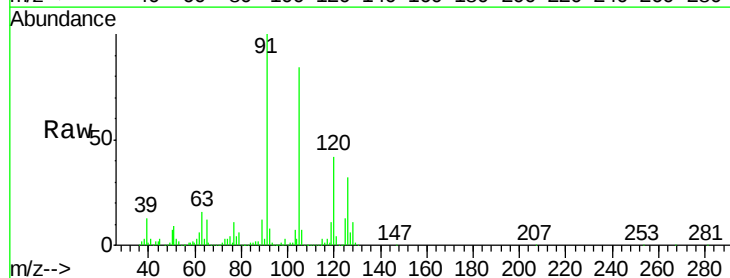
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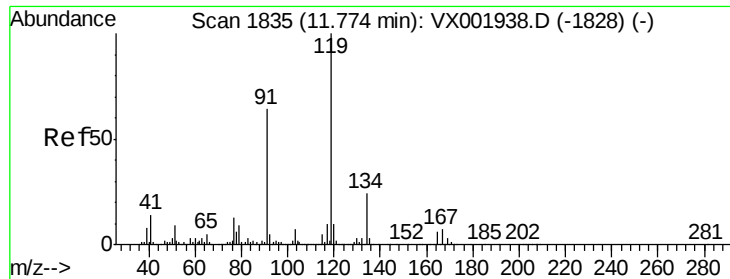
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.389 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.3	45.8





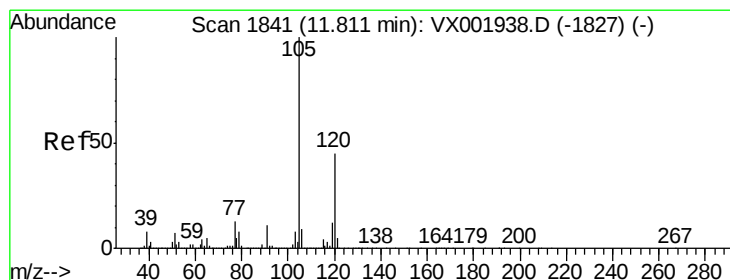
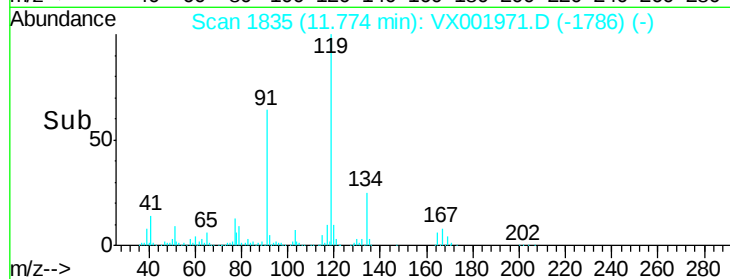
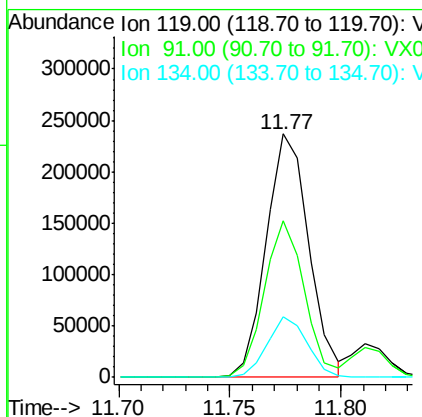
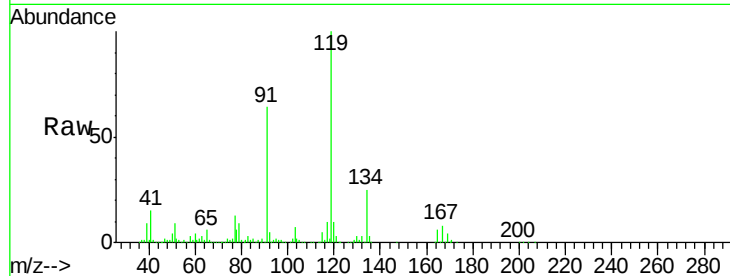
#83
tert-Butylbenzene
Concen: 19.404 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0525MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.5	30.6	91.8
134	23.4	11.7	35.0

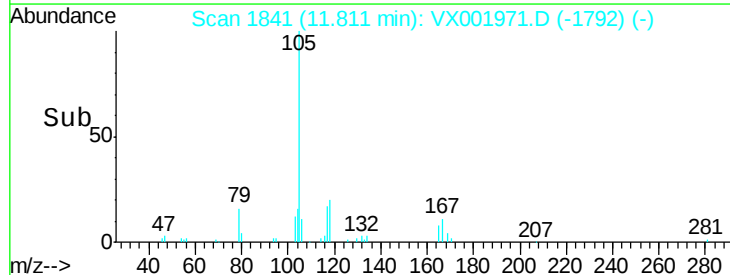
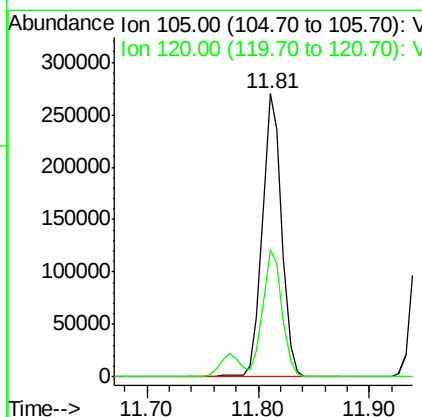
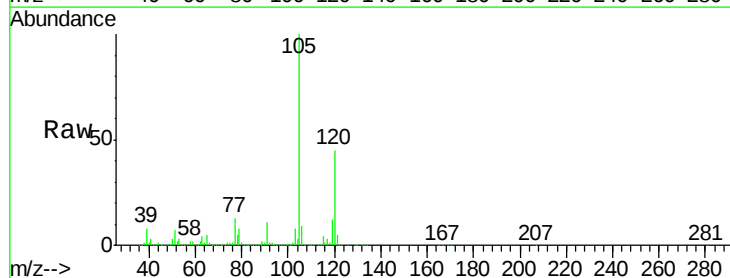
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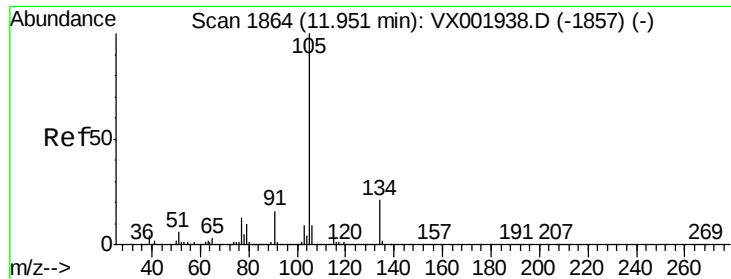
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#84
1,2,4-Trimethylbenzene
Concen: 19.303 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.1	66.5





#85

sec-Butylbenzene

Concen: 19.584 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0525MBS01

Tot Ion:105 Resp: 382184

Ion Ratio Lower Upper

105 100

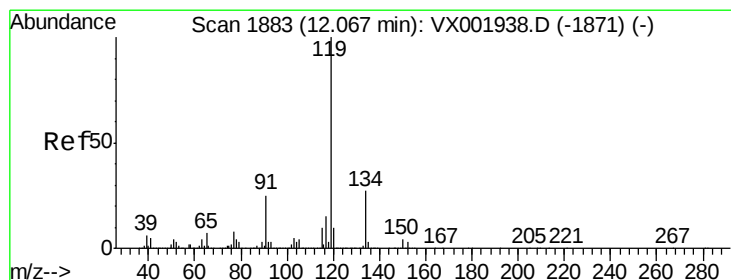
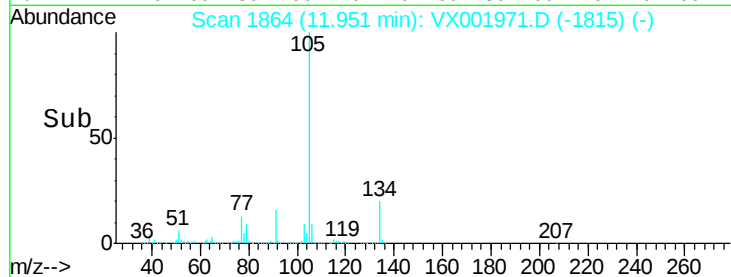
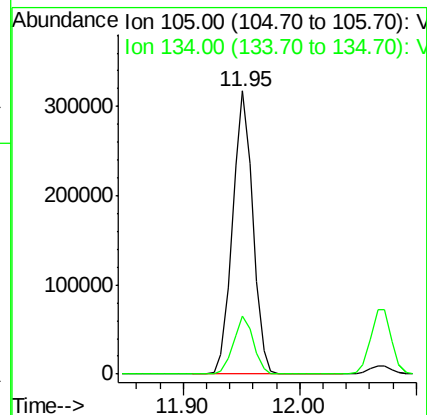
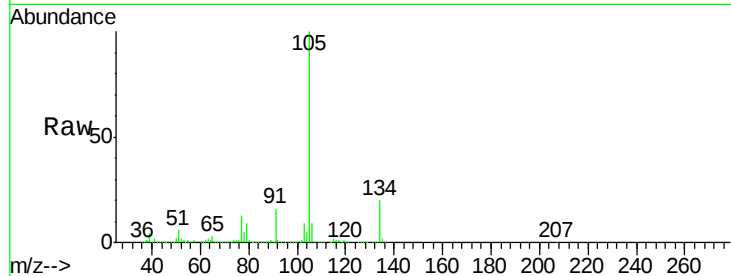
134 20.4 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 19.505 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

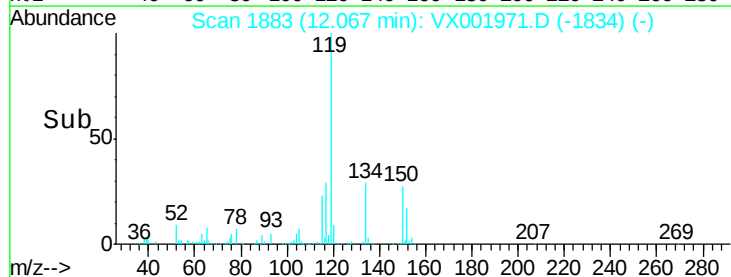
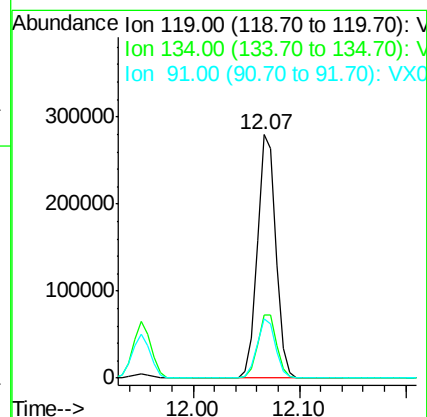
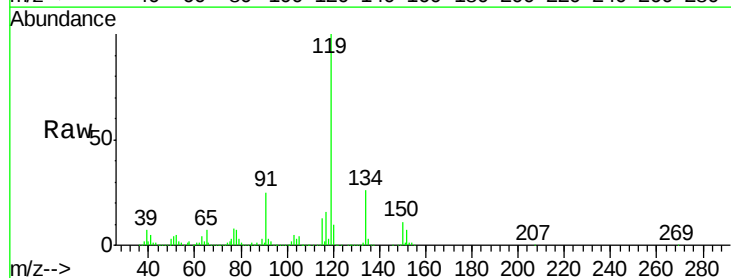
Tgt Ion:119 Resp: 340614

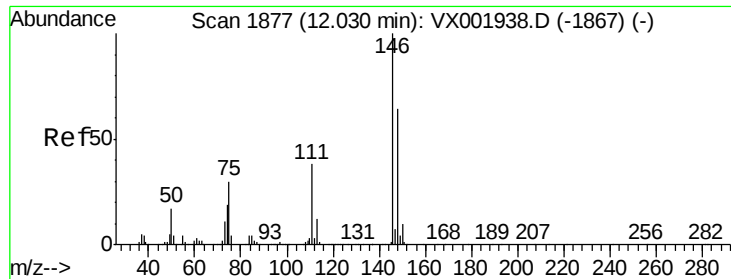
Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.8

91 24.3 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 19.295 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Instrument :

MSVOA_X

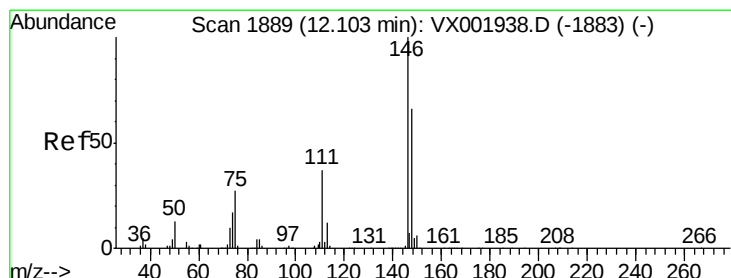
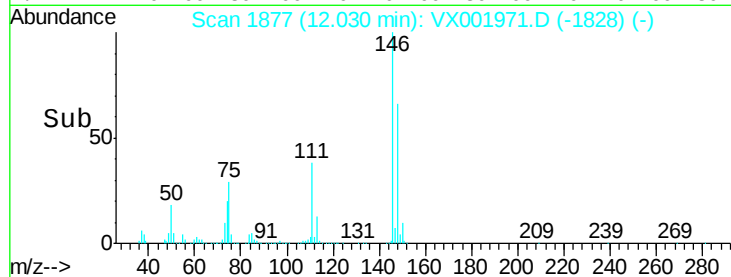
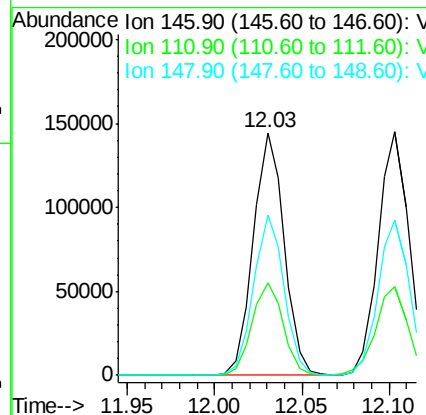
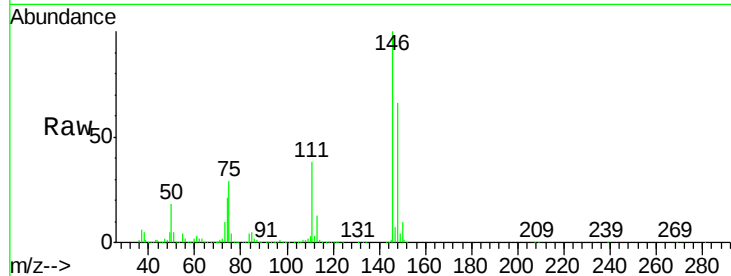
ClientSampleId :

VX0525MBS01

Tot Ion:	146	Resp:	177474
Ion Ratio	Lower	Upper	
146	100		
111	38.5	19.3	57.8
148	65.0	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 19.296 ug/l

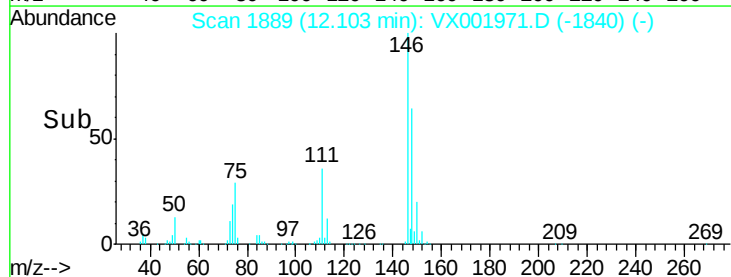
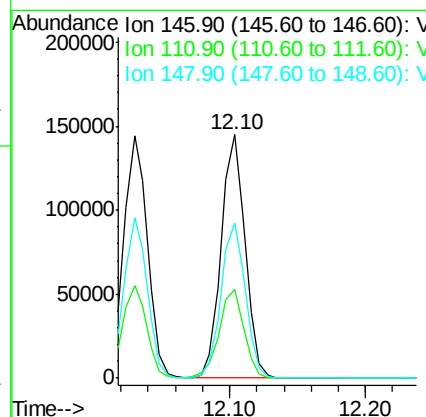
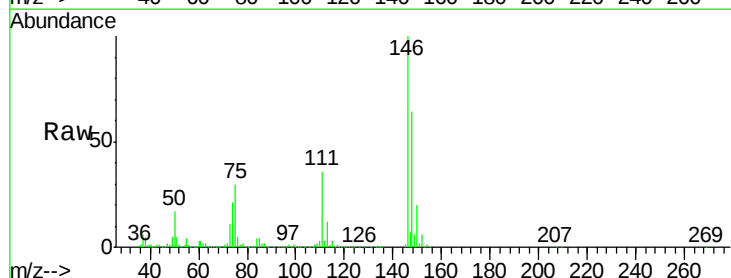
RT: 12.10 min Scan# 1889

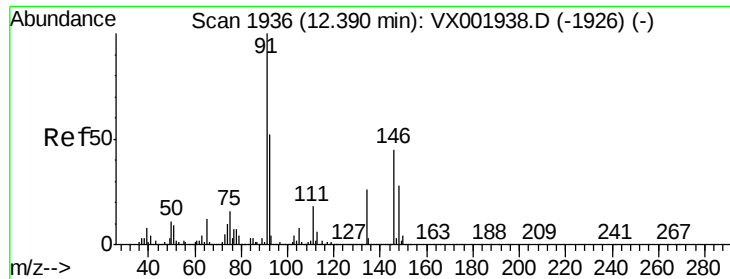
Delta R.T. -0.00 min

Lab File: VX001971.D

Acq: 25 May 2018 12:37

Tgt Ion:	146	Resp:	177445
Ion Ratio	Lower	Upper	
146	100		
111	38.2	18.9	56.5
148	64.8	32.3	96.8





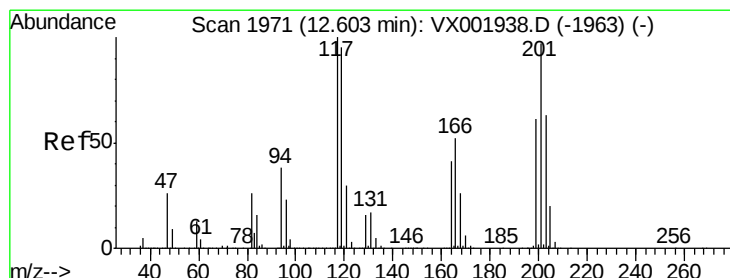
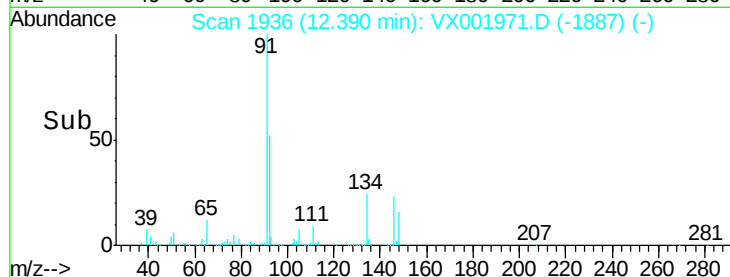
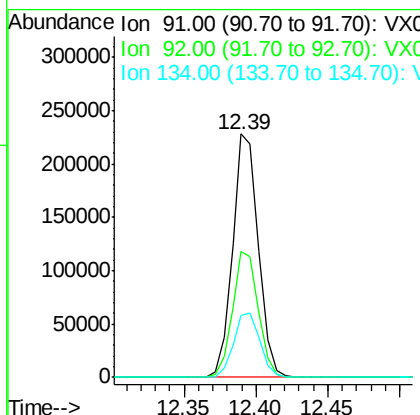
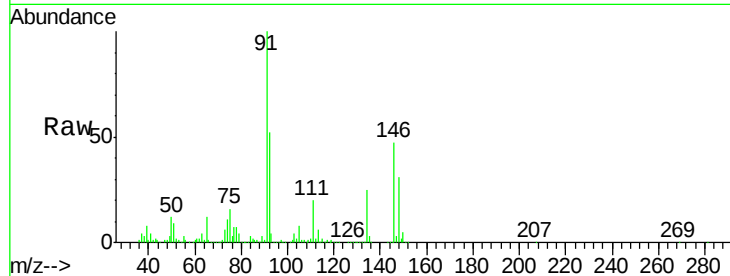
#89
n-Butylbenzene
Concen: 19.180 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0525MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.9
134	26.8	13.6	40.7

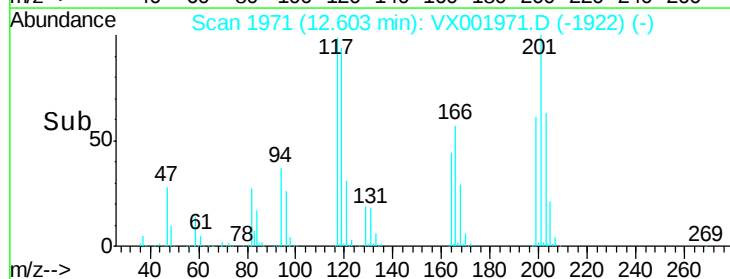
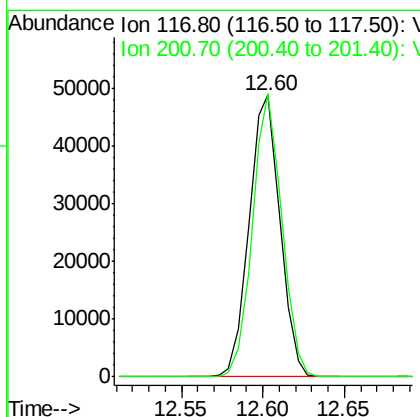
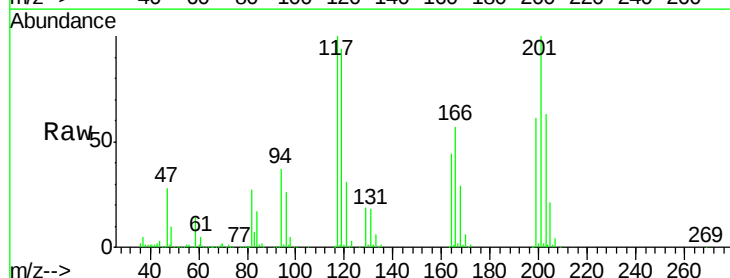
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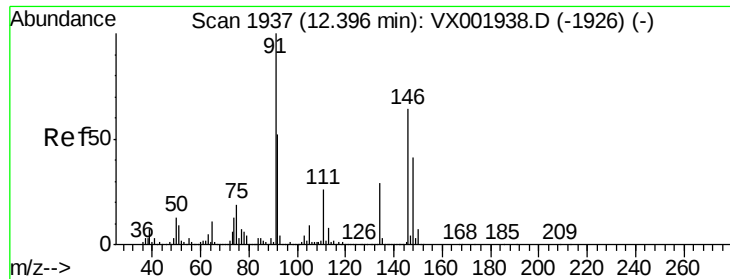
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#90
Hexachloroethane
Concen: 18.720 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.6	48.0	144.0





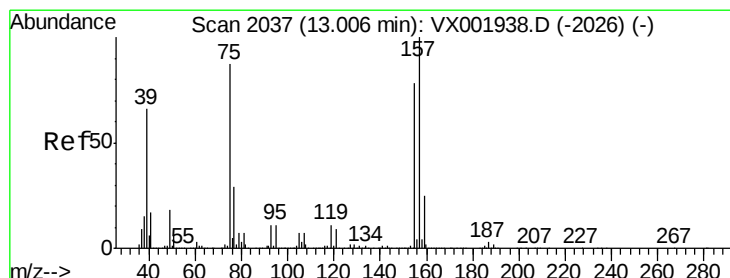
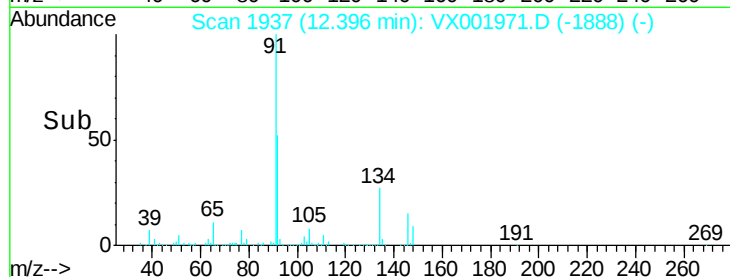
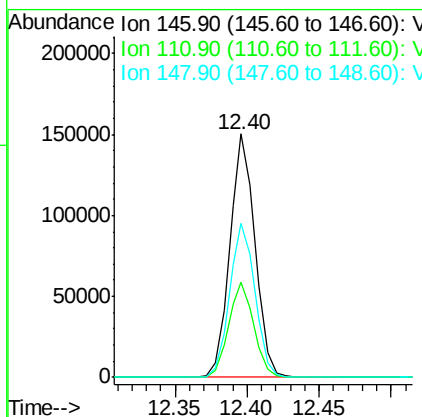
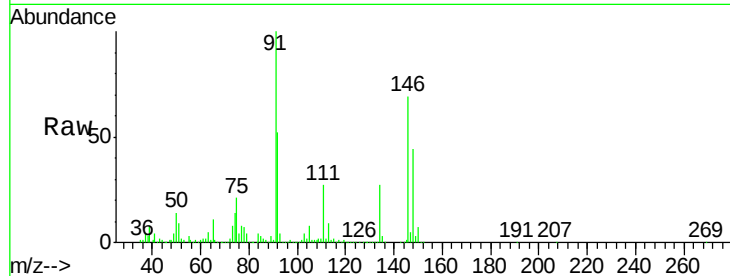
#91
 1,2-Dichlorobenzene
 Concen: 19.632 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001971.D
 Acq: 25 May 2018 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0525MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	183990		
111	39.2	19.8	59.3	
148	64.4	32.1	96.5	

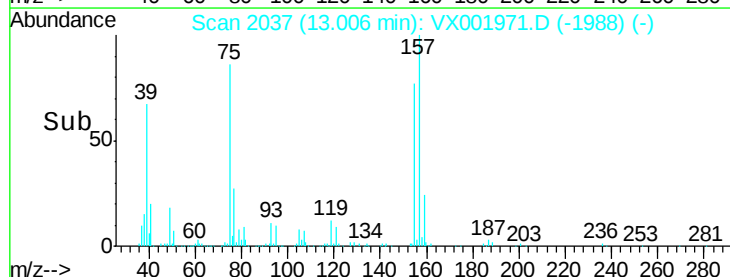
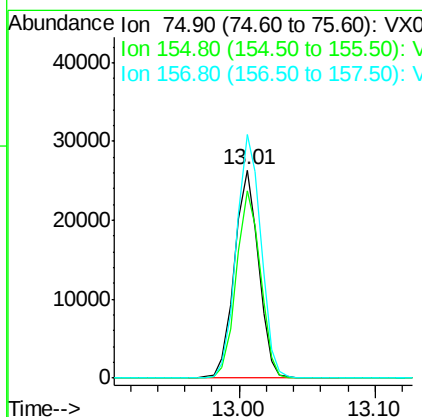
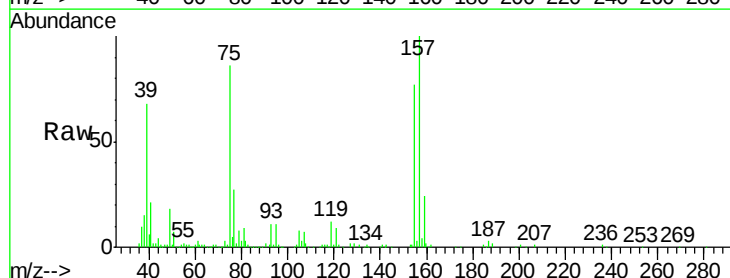
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.955 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001971.D
 Acq: 25 May 2018 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32623		
155	89.7	45.1	135.2	
157	118.7	58.1	174.2	





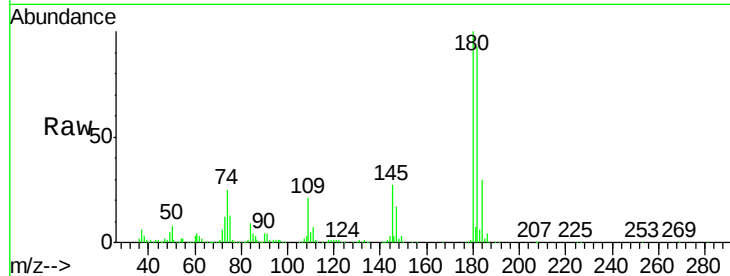
#93
 1,2,4-Trichlorobenzene
 Concen: 19.430 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001971.D
 Acq: 25 May 2018 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0525MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	130206		
182	94.7	47.7	143.1	
145	28.1	14.4	43.0	

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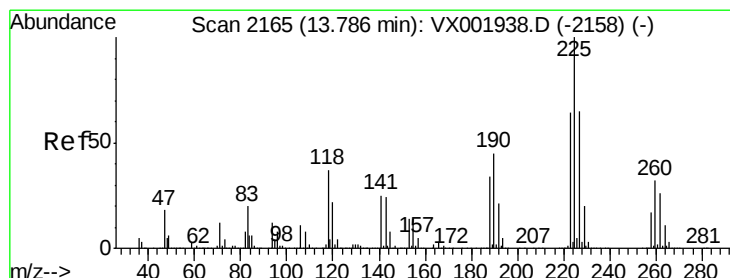
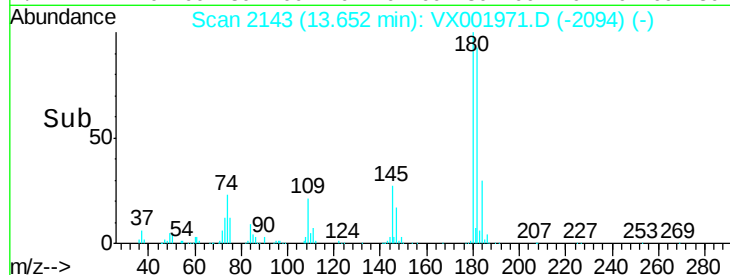
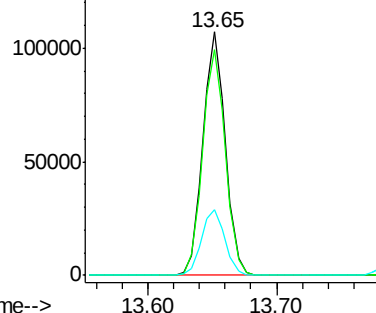


Abundance

Ion 179.80 (179.50 to 180.50): V

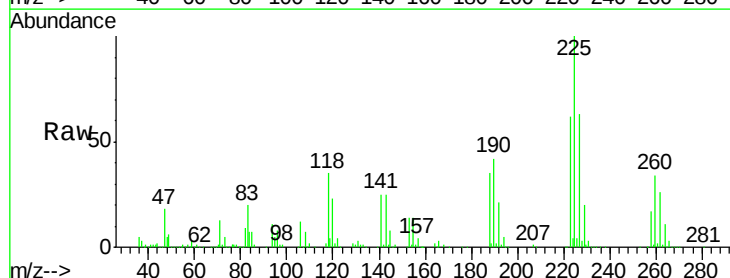
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.106 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001971.D
 Acq: 25 May 2018 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	68876		
223	62.0	31.1	93.5	
227	63.3	32.1	96.5	

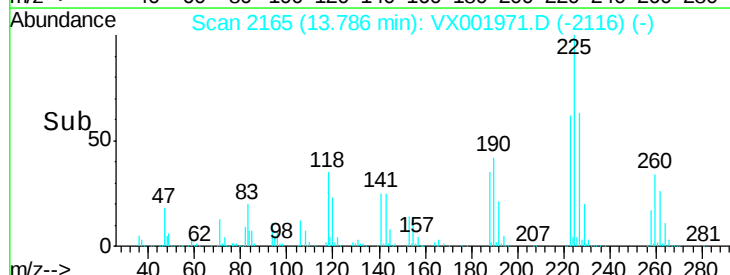
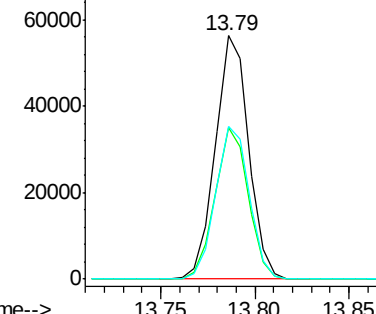


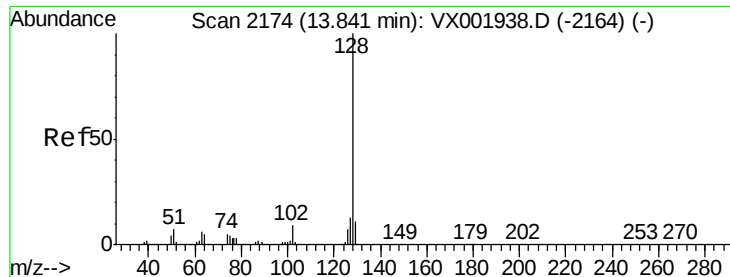
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





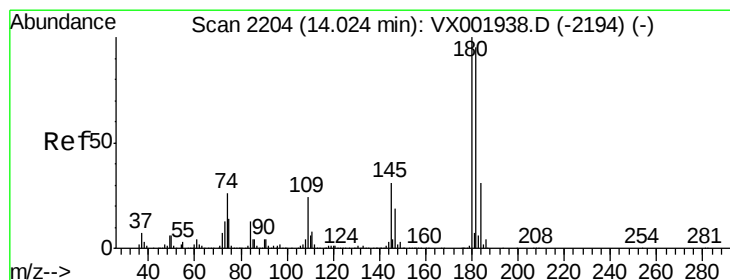
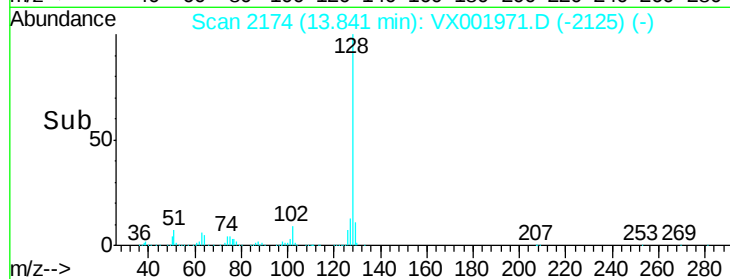
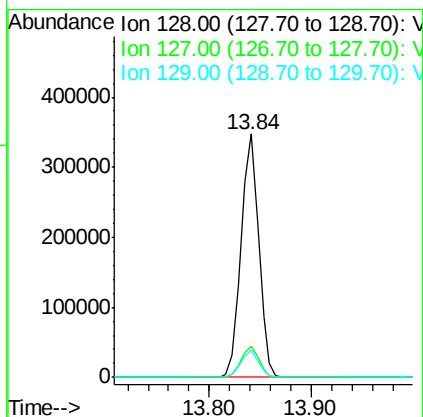
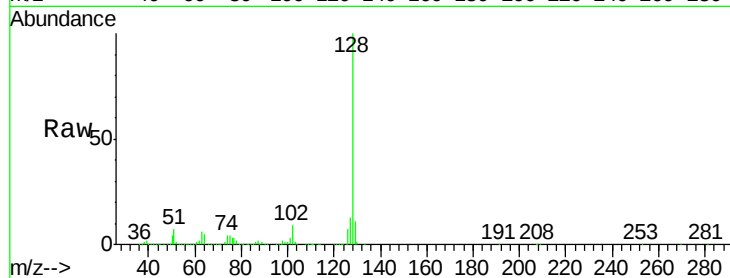
#95
Naphthalene
Concen: 20.027 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0525MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	413491		
127	13.0		10.4	15.6
129	11.1		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/29/2018 4:39:21 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.685 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX001971.D
Acq: 25 May 2018 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	136501		
182	95.8		47.9	143.6
145	30.2		15.1	45.3

