

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081418\
 Data File : VX004027.D
 Acq On : 14 Aug 2018 12:54
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 4:49:53 PM

Quant Time: Aug 14 13:15:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 12:59:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	317934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	478781	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	463038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	304990	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	647754	153.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.40%	
35) Dibromofluoromethane	5.51	113	524335	144.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	289.12%	
50) Toluene-d8	8.72	98	2138300	151.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	303.20%	
62) 4-Bromofluorobenzene	11.14	95	846901	185.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	371.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	463504	143.86	ug/l	100
3) Chloromethane	1.32	50	559558	127.65	ug/l	100
4) Vinyl Chloride	1.40	62	601205	137.53	ug/l	99
5) Bromomethane	1.64	94	315144	113.18	ug/l	100
6) Chloroethane	1.70	64	390305	139.55	ug/l	98
7) Trichlorofluoromethane	1.92	101	816217	141.42	ug/l	100
8) Diethyl Ether	2.18	74	366781	141.37	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	503975	139.70	ug/l	100
10) Methyl Iodide	2.51	142	628636	140.07	ug/l	100
11) Tert butyl alcohol	3.07	59	681975	673.40	ug/l	100
12) 1,1-Dichloroethene	2.37	96	489419	143.42	ug/l	95
13) Acrolein	2.29	56	476450	853.50	ug/l	100
14) Allyl chloride	2.73	41	923896	140.45	ug/l	97
15) Acrylonitrile	3.15	53	1650994	683.21	ug/l	99
16) Acetone	2.45	43	1618658	645.58	ug/l	100
17) Carbon Disulfide	2.57	76	1422886	136.67	ug/l	100
18) Methyl Acetate	2.77	43	743519	136.19	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	1738654	143.78	ug/l	99
20) Methylene Chloride	2.85	84	568865	93.58	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	541195	139.70	ug/l	98
22) Diisopropyl ether	3.87	45	1832998	151.59	ug/l	99
23) Vinyl Acetate	3.82	43	7755621	770.86	ug/l	99
24) 1,1-Dichloroethane	3.70	63	1006901	140.18	ug/l	100
25) 2-Butanone	4.70	43	2749497	729.36	ug/l	99
26) 2,2-Dichloropropane	4.59	77	788940	152.31	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	612641	145.74	ug/l	99
28) Bromochloromethane	5.03	49	450740	146.64	ug/l	96
29) Tetrahydrofuran	5.15	42	1408006	726.69	ug/l	98
30) Chloroform	5.22	83	979268	144.82	ug/l	98
31) Cyclohexane	5.57	56	891899	146.83	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	853423	150.50	ug/l	99
36) 1,1-Dichloropropene	5.80	75	785266	146.44	ug/l	100
37) Ethyl Acetate	4.85	43	849613	144.03	ug/l	100
38) Carbon Tetrachloride	5.79	117	776361	152.11	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	962078	152.17	ug/l	98
40) Benzene	6.15	78	2353495	146.16	ug/l	100
41) Methacrylonitrile	5.06	41	480434	147.89	ug/l	99
42) 1,2-Dichloroethane	6.20	62	797276	146.43	ug/l	100
43) Isopropyl Acetate	6.47	43	1368261	154.14	ug/l	100
44) Trichloroethene	7.21	130	636771	144.60	ug/l	95
45) 1,2-Dichloropropane	7.52	63	604707	145.43	ug/l	99
46) Dibromomethane	7.67	93	395858	146.64	ug/l	99
47) Bromodichloromethane	7.90	83	791814	155.70	ug/l	99
48) Methyl methacrylate	7.78	41	716552	158.80	ug/l	99
49) 1,4-Dioxane	7.76	88	316602	2978.50	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	5644636	767.17	ug/l	98
52) Toluene	8.79	92	1523899	149.78	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	947878	164.90	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	994074	160.38	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	613590	147.58	ug/l	99
56) Ethyl methacrylate	9.18	69	1021119	169.28	ug/l	100
57) 1,3-Dichloropropane	9.37	76	1044719	150.14	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	2489524	839.30	ug/l	100
59) 2-Hexanone	9.51	43	4354437	791.73	ug/l	98
60) Dibromochloromethane	9.59	129	663911	171.27	ug/l	100
61) 1,2-Dibromoethane	9.68	107	654674	157.28	ug/l	100
64) Tetrachloroethene	9.34	164	607115	133.28	ug/l	96
65) Chlorobenzene	10.14	112	1713665	142.23	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	619271	149.51	ug/l	98
67) Ethyl Benzene	10.26	91	2802626	142.10	ug/l	96
68) m/p-Xylenes	10.36	106	2279222	295.75	ug/l	93
69) o-Xylene	10.70	106	1137816	156.40	ug/l	95
70) Styrene	10.71	104	1976716	165.96	ug/l	98
71) Bromoform	10.86	173	564512	182.25	ug/l	99
73) Isopropylbenzene	11.02	105	3034637	134.50	ug/l	96
74) N-amyl acetate	6.47	43	1368261	116.62	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	1021471	132.10	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	859308m	127.56	ug/l	
77) Bromobenzene	11.26	156	820702	136.36	ug/l	99
78) n-propylbenzene	11.36	91	3426383	135.24	ug/l	99
79) 2-Chlorotoluene	11.43	91	2041535	132.16	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	2600121	141.33	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	345567	156.34	ug/l	92
82) 4-Chlorotoluene	11.51	91	2500225	138.16	ug/l	99
83) tert-Butylbenzene	11.77	119	2637179	145.71	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	2671048	144.39	ug/l	99
85) sec-Butylbenzene	11.95	105	3073685	143.90	ug/l	99
86) p-Isopropyltoluene	12.07	119	2821825	147.23	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	1535928	138.05	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	1559589	135.12	ug/l	99
89) n-Butylbenzene	12.39	91	2256212	135.09	ug/l	98
90) Hexachloroethane	12.60	117	430326	138.28	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	1437750	130.37	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	198782	125.48	ug/l	99

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 VSTDICC150

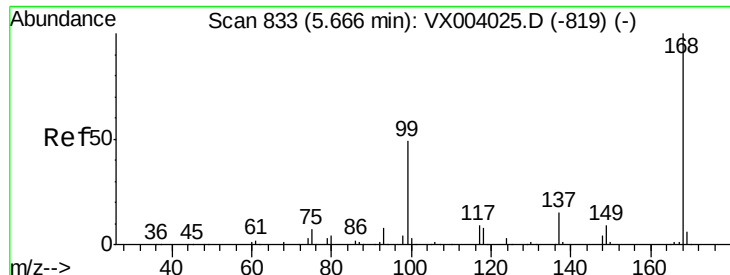
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1115430	140.63	ug/l	97
94) Hexachlorobutadiene	13.79	225	482352	129.83	ug/l	99
95) Naphthalene	13.83	128	3257322	143.39	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	1152914	145.65	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 317934

Ion Ratio Lower Upper

168 100

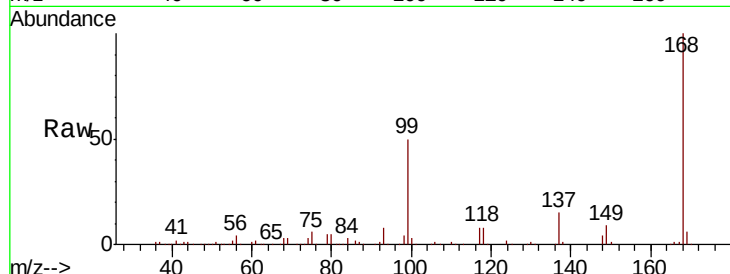
99 50.2 40.1 60.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

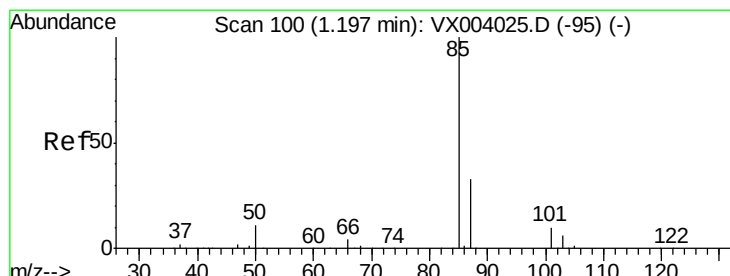
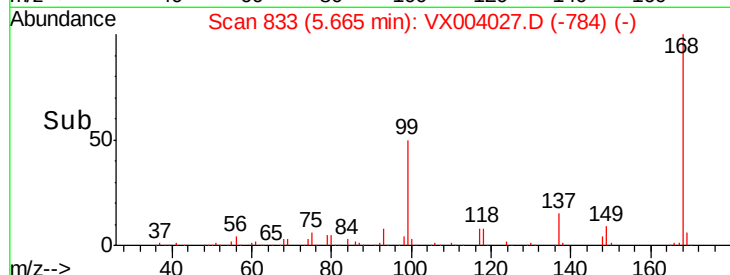
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 143.86 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX004027.D

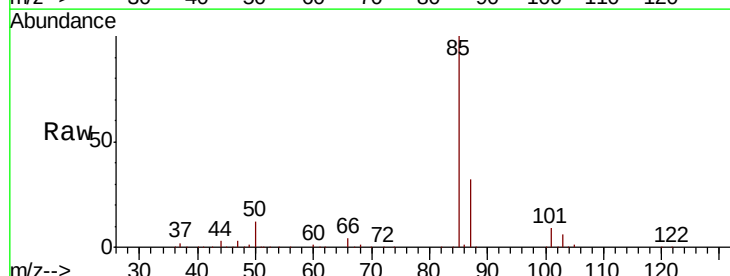
Acq: 14 Aug 2018 12:54

Tgt Ion: 85 Resp: 463504

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

500000

400000

300000

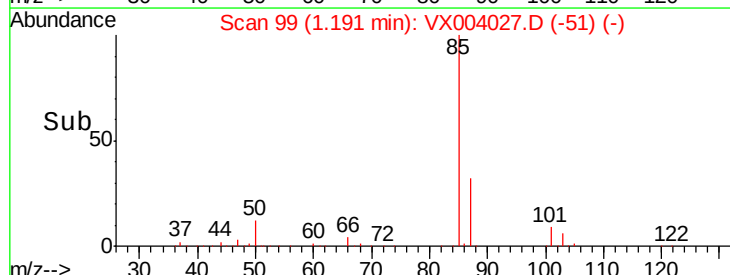
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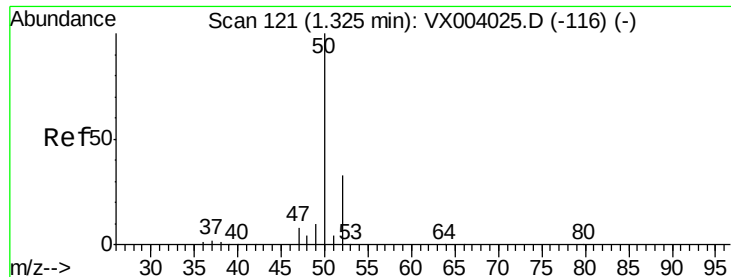
100000

0

1.10 1.20 1.30

Time-->





#3

Chloromethane

Concen: 127.65 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 50 Resp: 559558

Ion Ratio Lower Upper

50 100

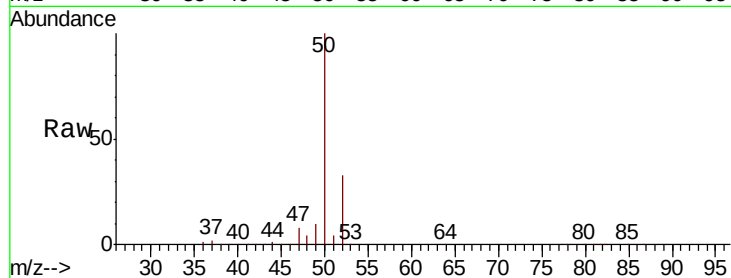
52 33.0 26.6 39.8

Manual Integrations

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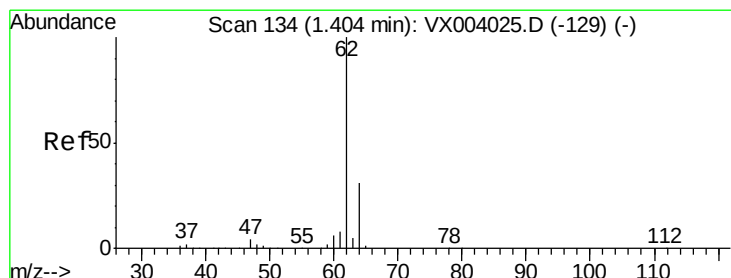
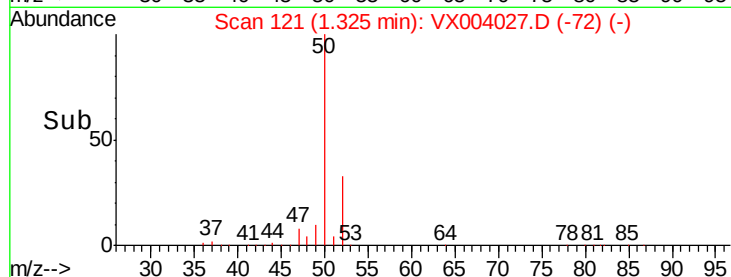
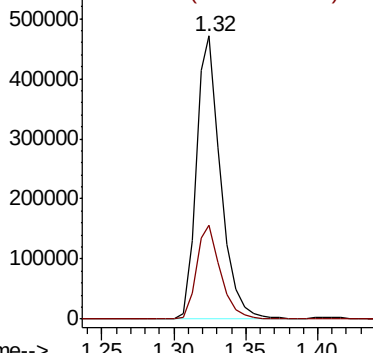
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 137.53 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004027.D

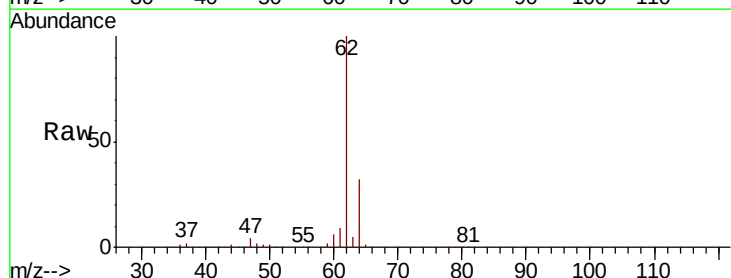
Acq: 14 Aug 2018 12:54

Tgt Ion: 62 Resp: 601205

Ion Ratio Lower Upper

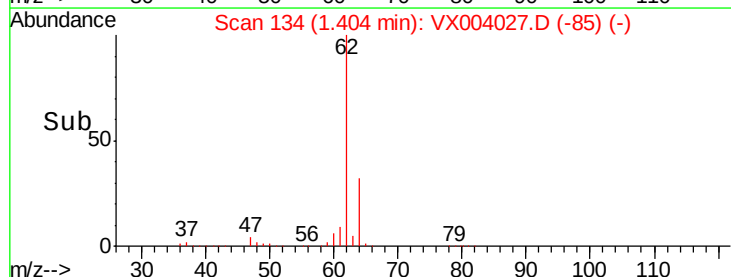
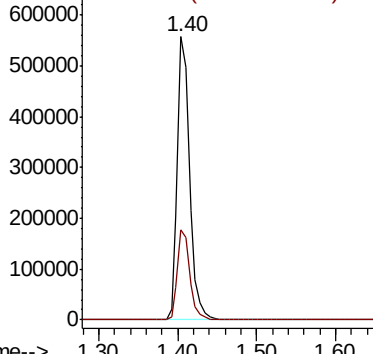
62 100

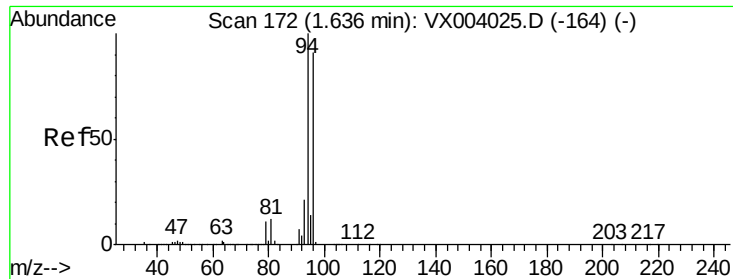
64 31.7 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 113.18 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 315144

Ion Ratio Lower Upper

94 100

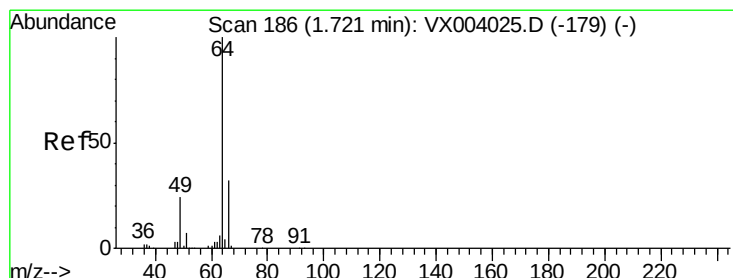
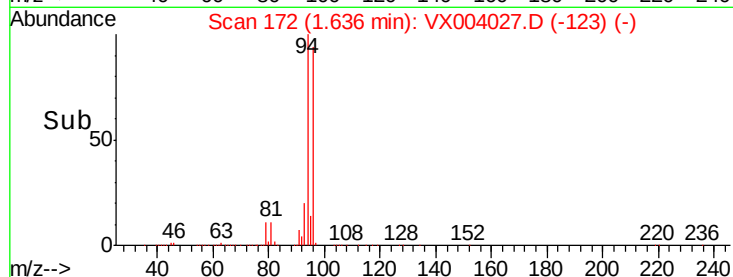
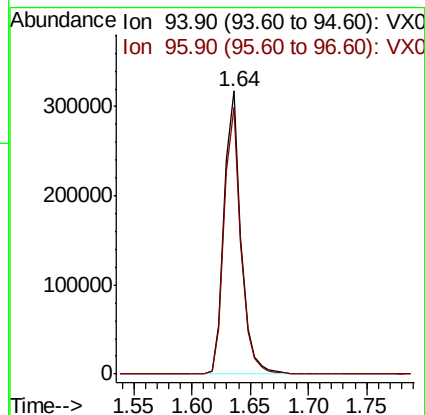
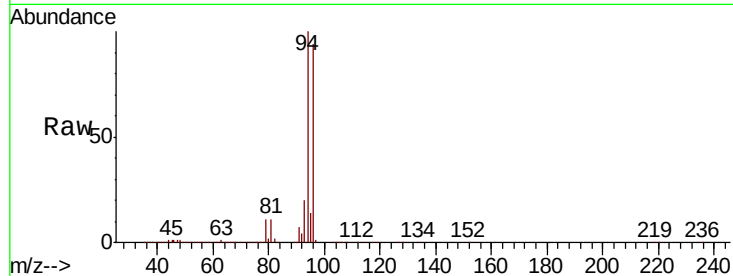
96 94.1 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 139.55 ug/l

RT: 1.70 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX004027.D

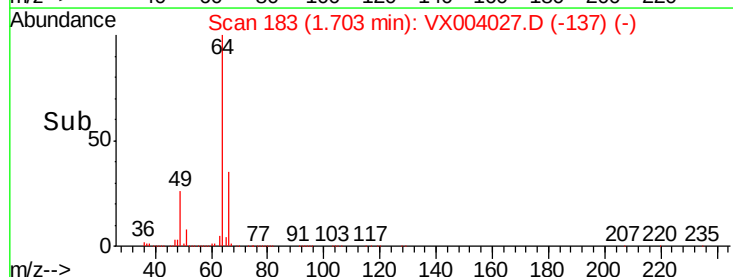
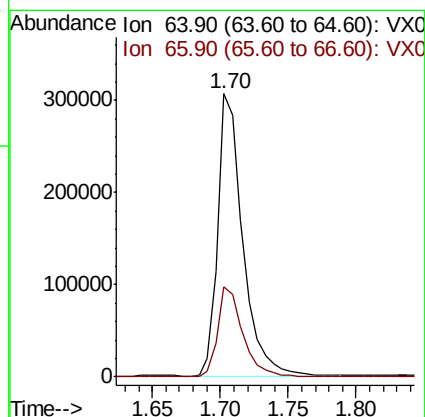
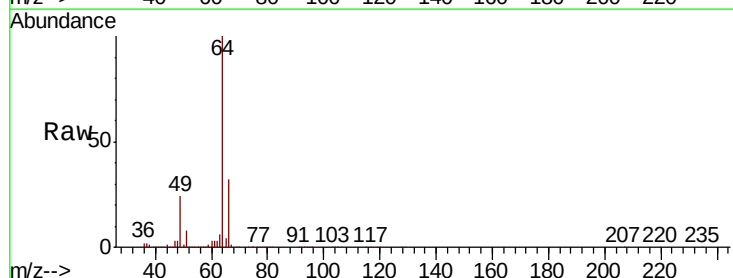
Acq: 14 Aug 2018 12:54

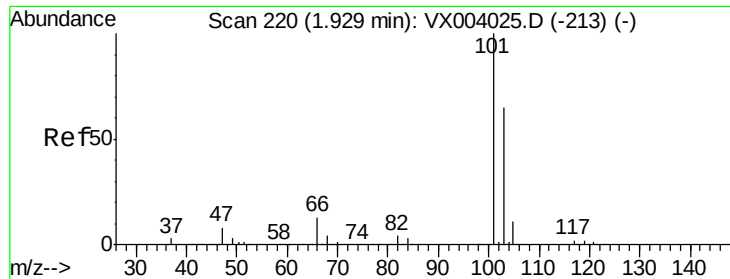
Tgt Ion: 64 Resp: 390305

Ion Ratio Lower Upper

64 100

66 32.1 26.5 39.7





#7

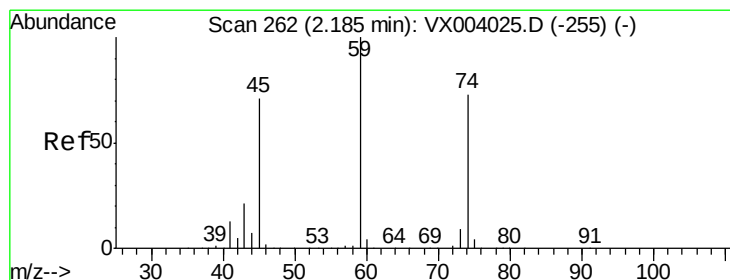
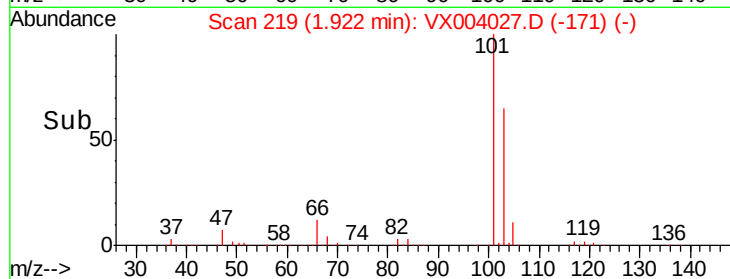
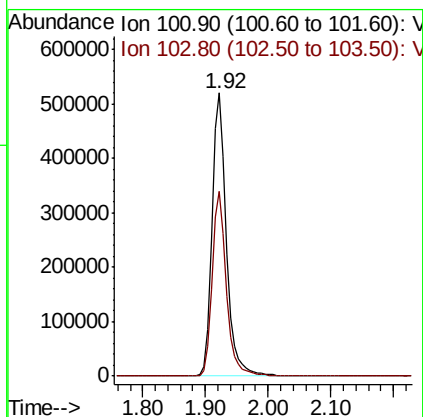
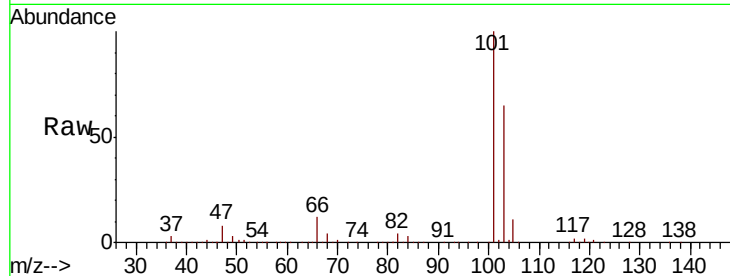
Trichlorofluoromethane
 Concen: 141.42 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX004027.D
 Acq: 14 Aug 2018 12:54

Instrument :
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 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		816217		
103	65.2	52.3		78.5	

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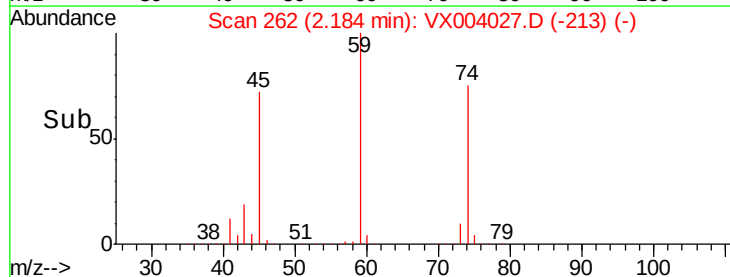
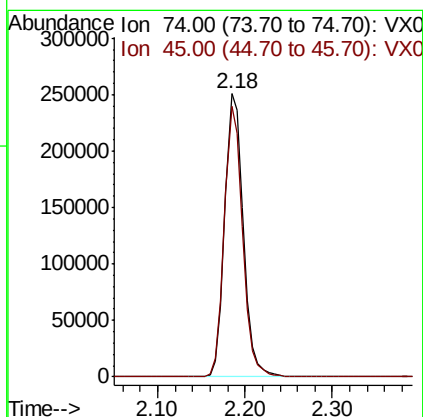
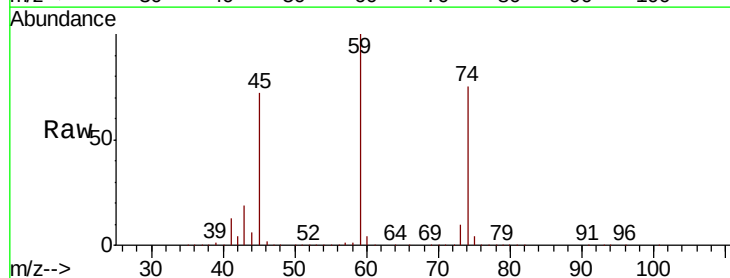
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 8/15/2018 4:49:53 PM

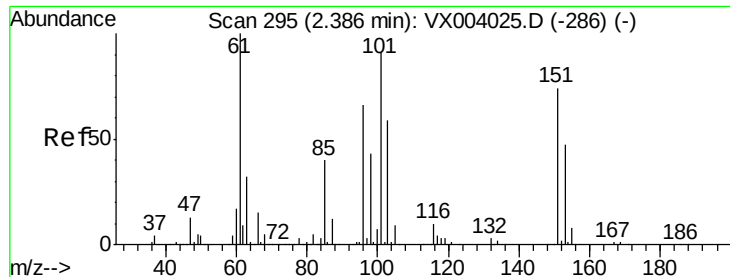


#8

Diethyl Ether
 Concen: 141.37 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004027.D
 Acq: 14 Aug 2018 12:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		366781		
45	94.8	48.3		144.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 139.70 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

Instrument :

MSVOA_X

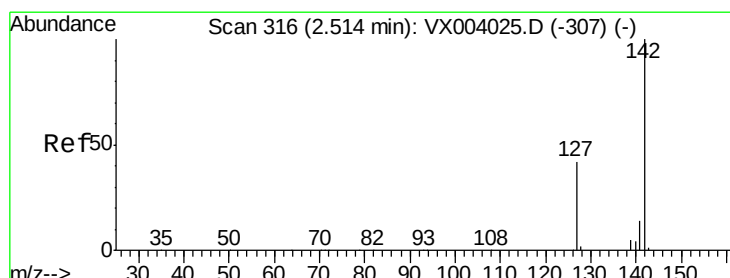
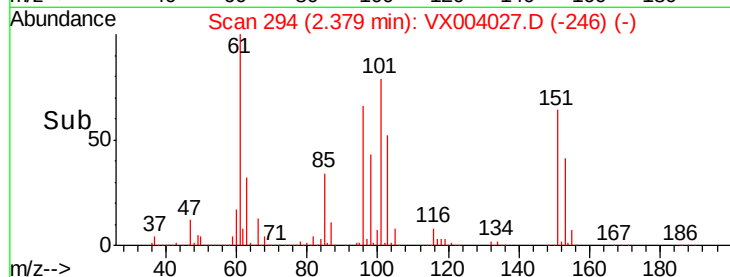
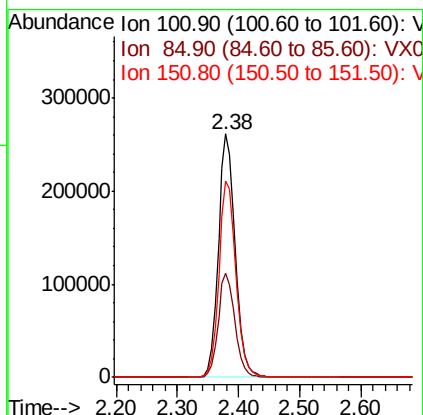
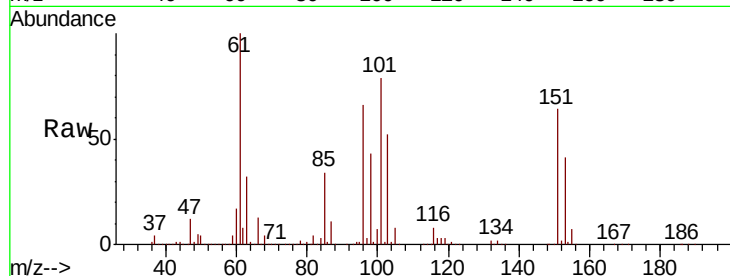
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	503975
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.2	51.4
151	81.5	65.0	97.4

Manual Integrations
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#10

Methyl Iodide

Concen: 140.07 ug/l

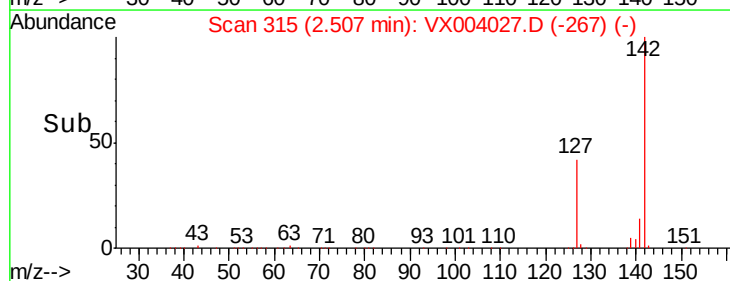
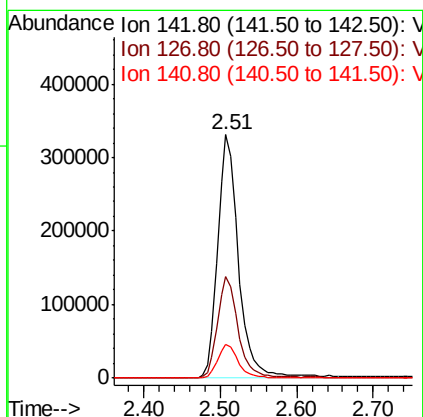
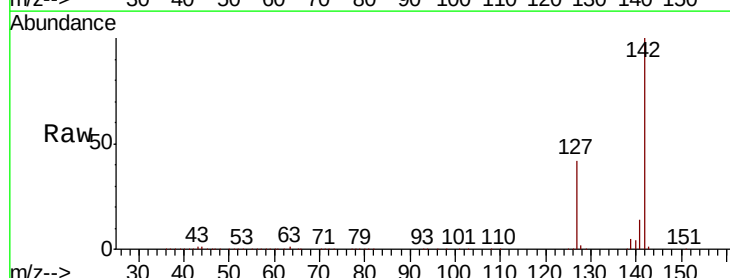
RT: 2.51 min Scan# 315

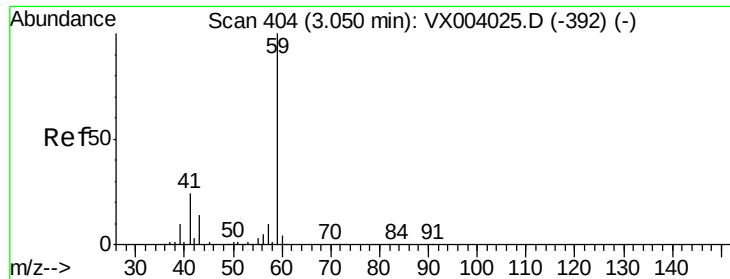
Delta R.T. -0.01 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

Tgt Ion:	142	Resp:	628636
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.1	49.7
141	13.9	11.1	16.7





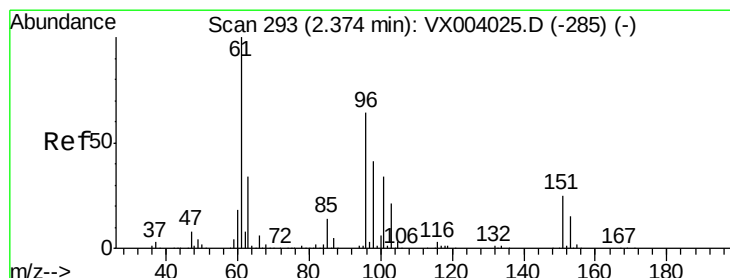
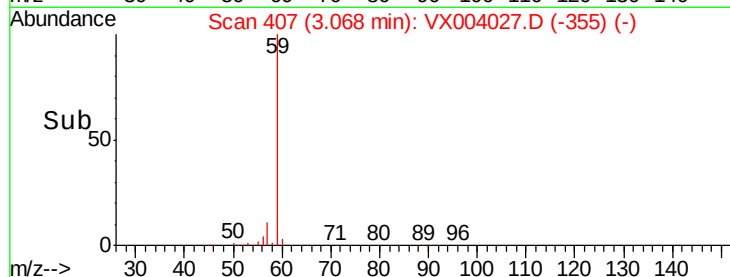
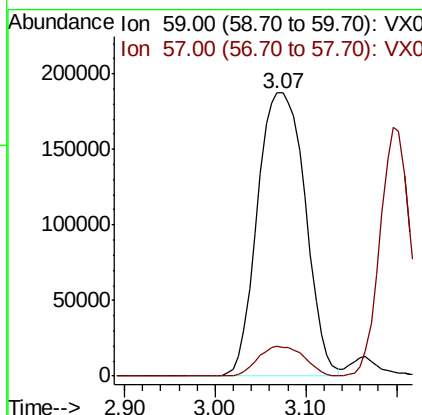
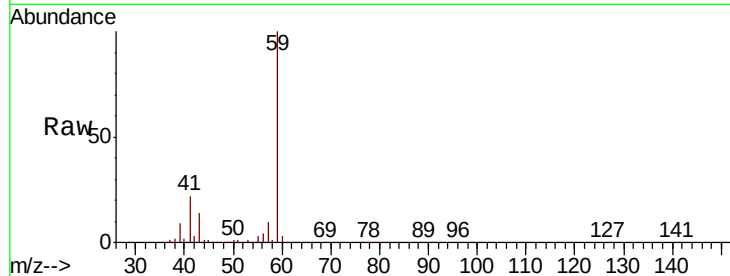
#11
Tert butyl alcohol
Concen: 673.40 ug/l
RT: 3.07 min Scan# 407
Delta R.T. 0.02 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.1	12.1

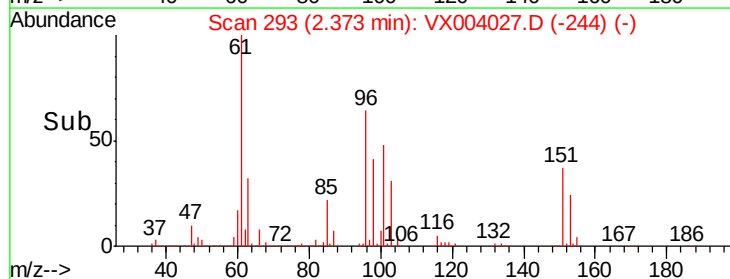
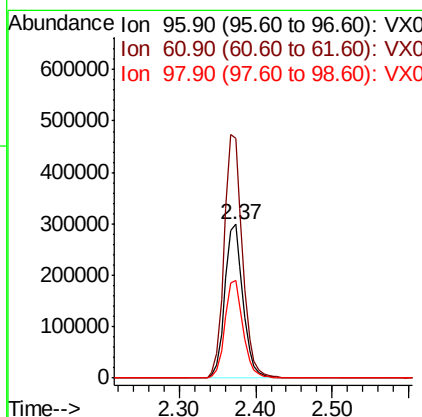
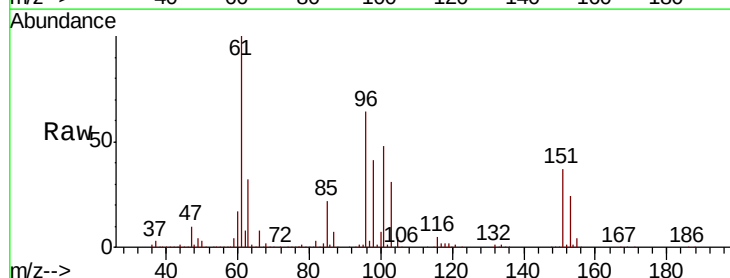
Manual Integrations
APPROVED

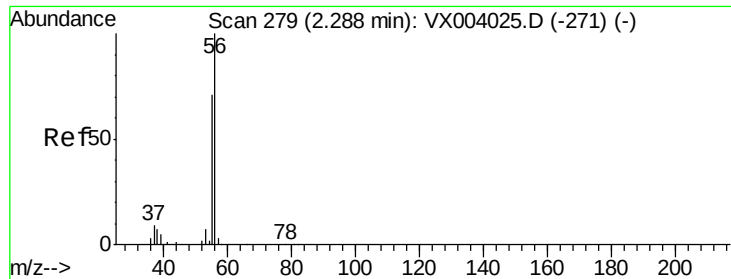
MMDadoda
8/15/2018 4:49:53 PM



#12
1,1-Dichloroethene
Concen: 143.42 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.7	131.3	196.9
98	63.4	51.8	77.6





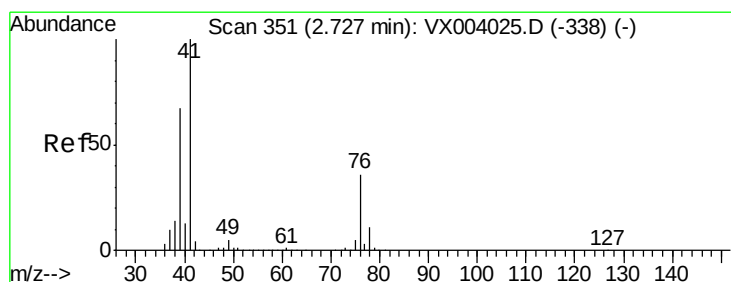
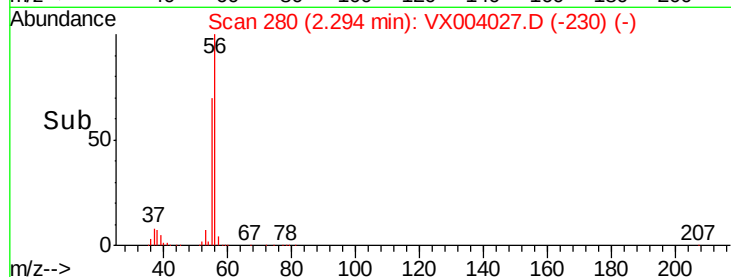
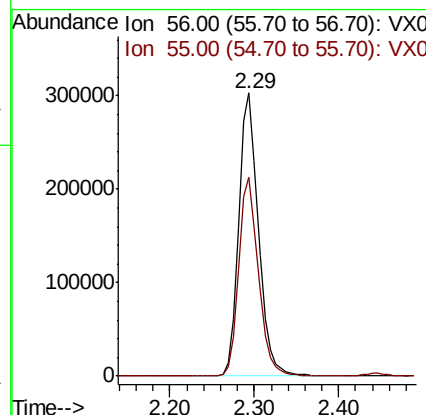
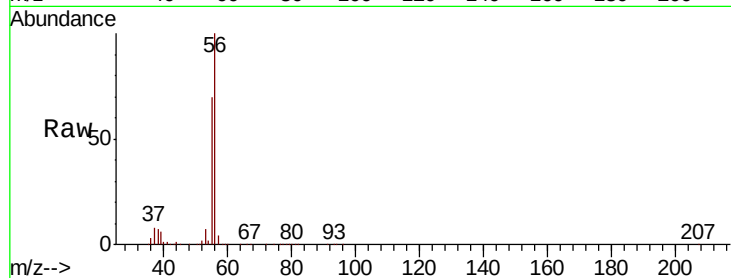
#13
Acrolein
Concen: 853.50 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.1	84.1

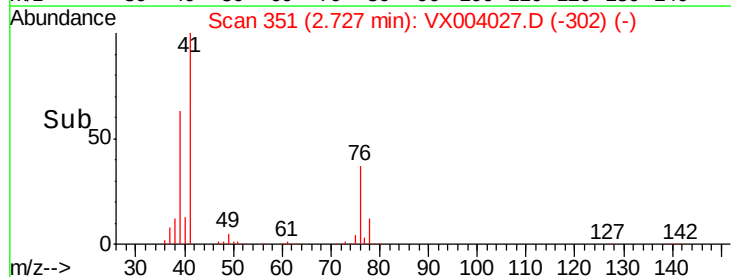
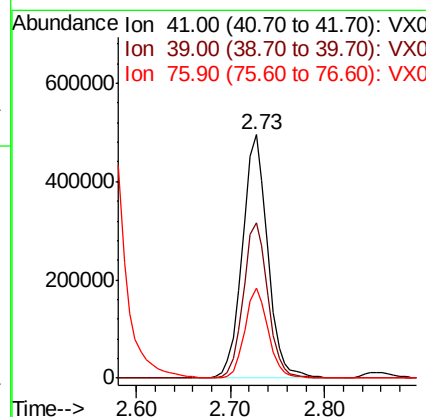
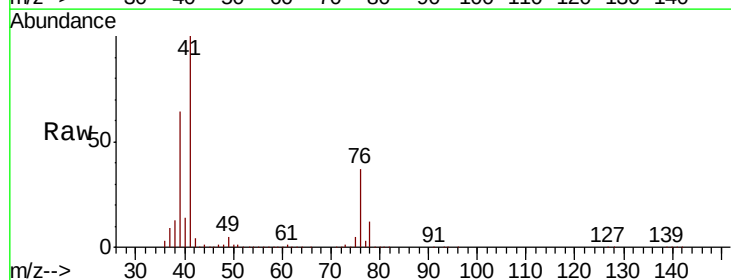
Manual Integrations
APPROVED

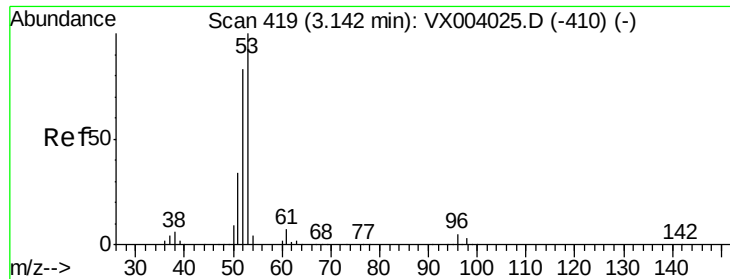
MMDadoda
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#14
Allyl chloride
Concen: 140.45 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.7	47.4	71.0
76	34.2	26.0	39.0





#15

Acrylonitrile

Concen: 683.21 ug/l

RT: 3.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1650994

Ion Ratio Lower Upper

53 100

52 82.1 65.3 97.9

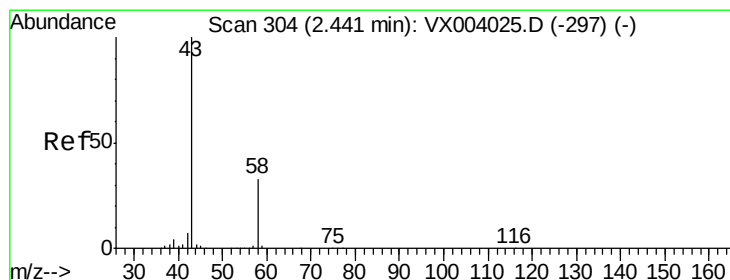
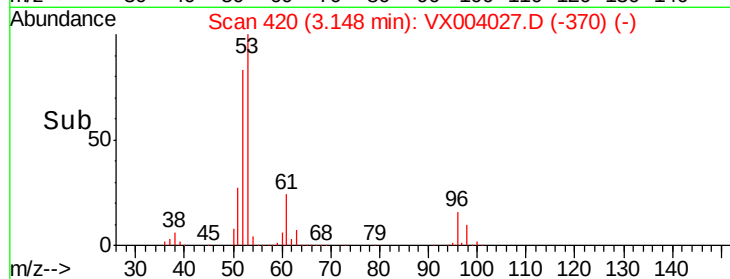
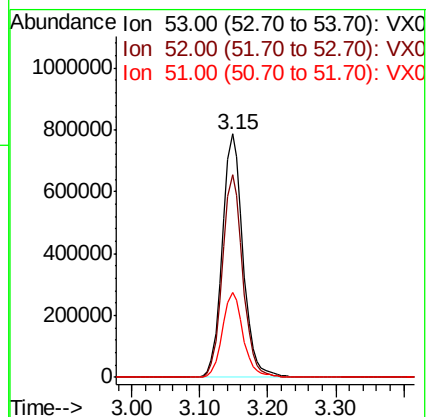
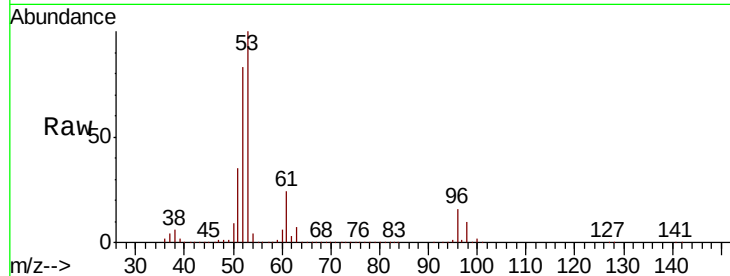
51 35.2 27.9 41.9

Manual Integrations

APPROVED

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#16

Acetone

Concen: 645.58 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.01 min

Lab File: VX004027.D

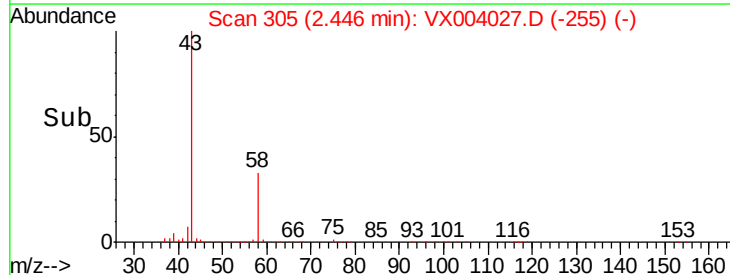
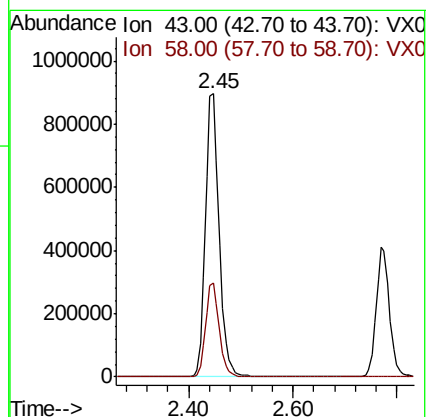
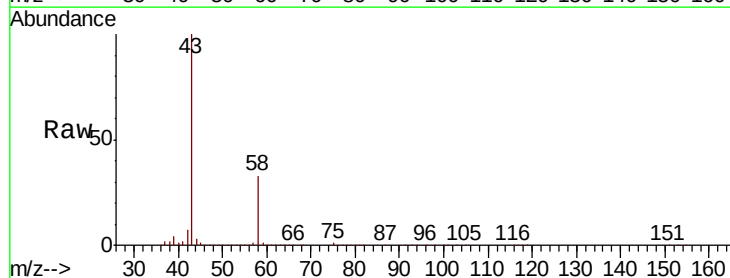
Acq: 14 Aug 2018 12:54

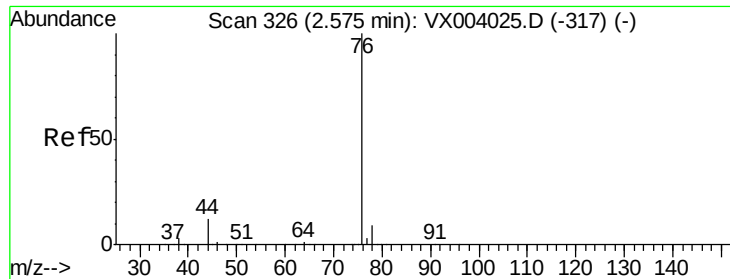
Tgt Ion: 43 Resp: 1618658

Ion Ratio Lower Upper

43 100

58 33.2 26.4 39.6





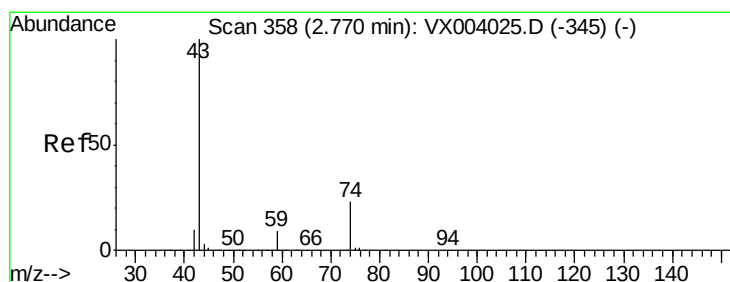
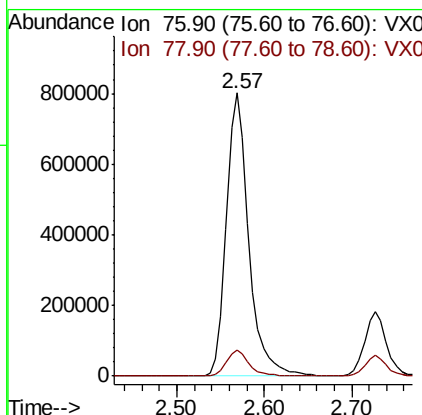
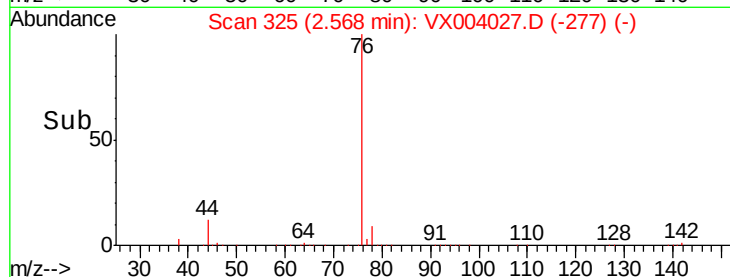
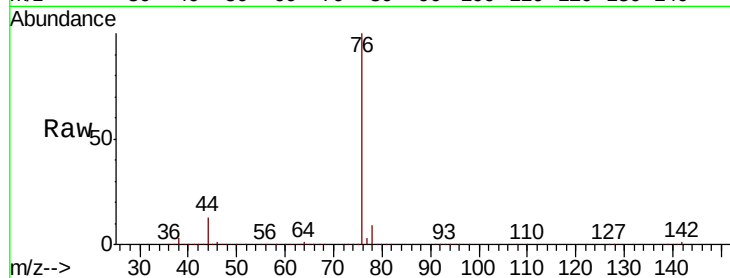
#17
Carbon Disulfide
Concen: 136.67 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.01 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1422886
Ion Ratio Lower Upper
76 100
78 9.4 7.5 11.3

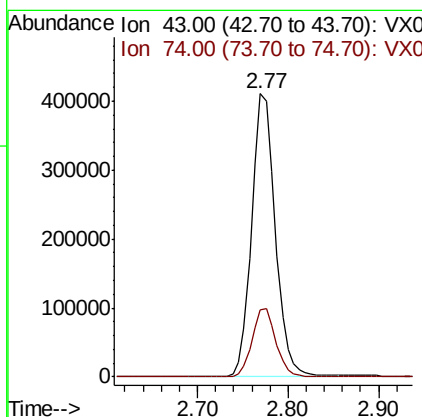
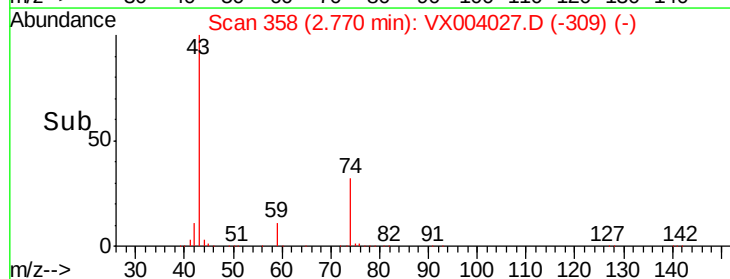
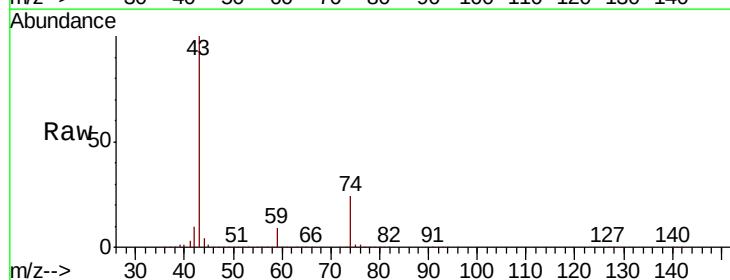
Manual Integrations
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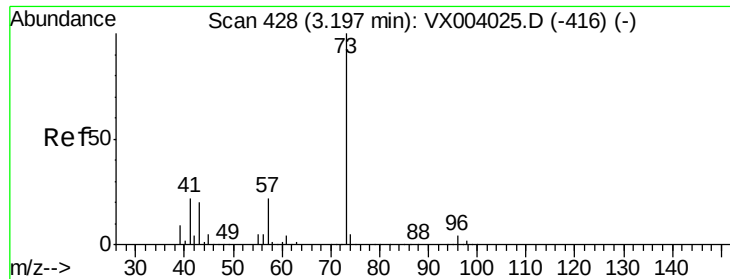
MMDadoda
8/15/2018 4:49:53 PM



#18
Methyl Acetate
Concen: 136.19 ug/l
RT: 2.77 min Scan# 358
Delta R.T. -0.00 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Tgt Ion: 43 Resp: 743519
Ion Ratio Lower Upper
43 100
74 24.6 18.9 28.3





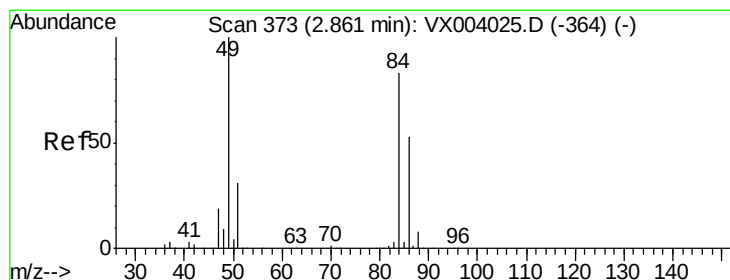
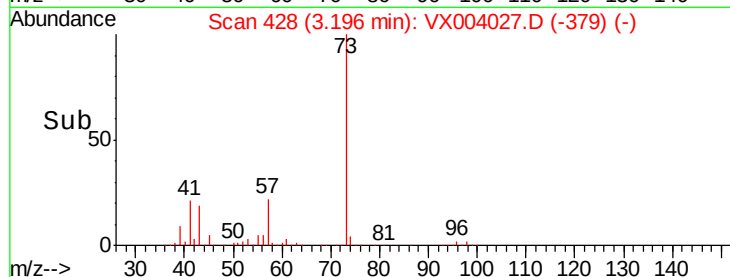
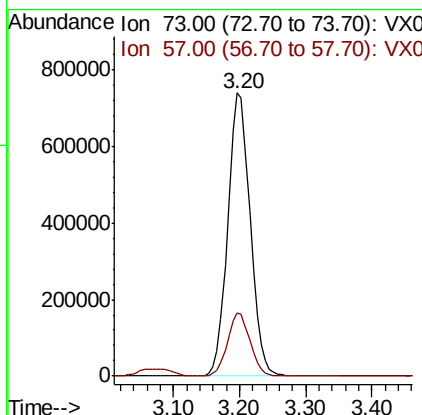
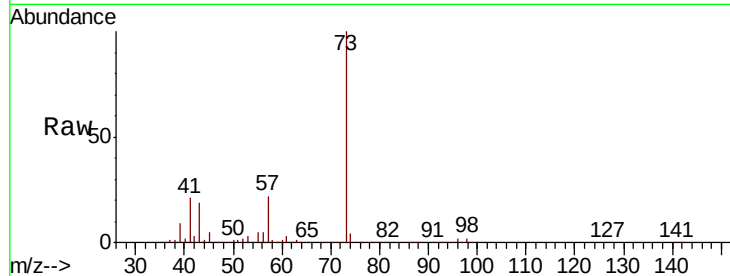
#19
Methvl tert-butyl Ether
Concen: 143.78 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.00 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1738654
Ion Ratio Lower Upper
73 100
57 22.2 18.0 27.0

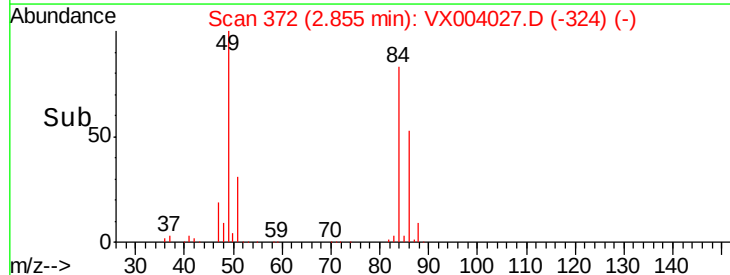
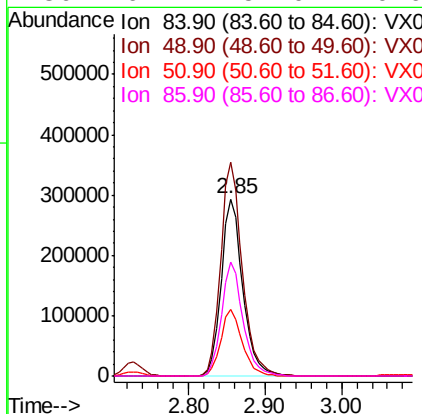
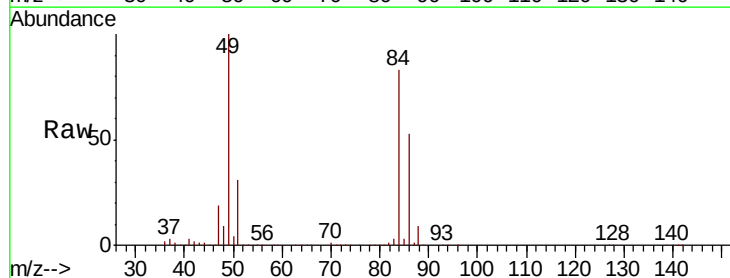
Manual Integrations
APPROVED

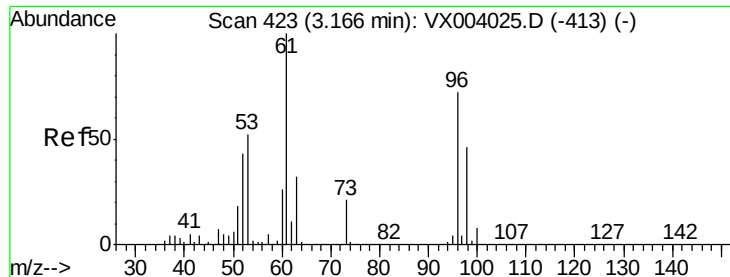
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#20
Methylene Chloride
Concen: 93.58 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Tgt Ion: 84 Resp: 568865
Ion Ratio Lower Upper
84 100
49 120.9 98.9 148.3
51 37.7 29.9 44.9
86 64.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 139.70 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 96 Resp: 541195

Ion Ratio Lower Upper

96 100

61 136.6 111.8 167.6

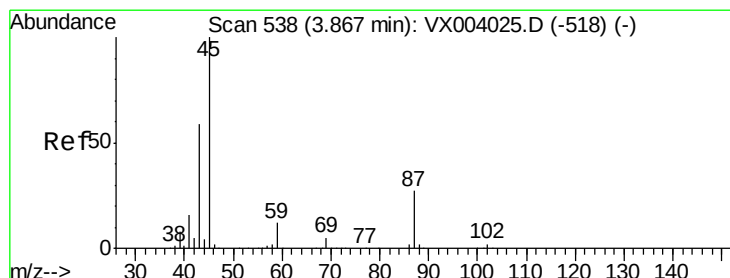
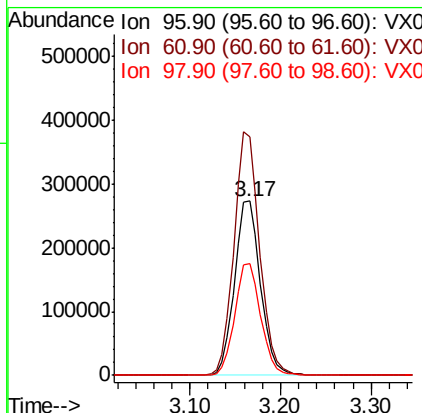
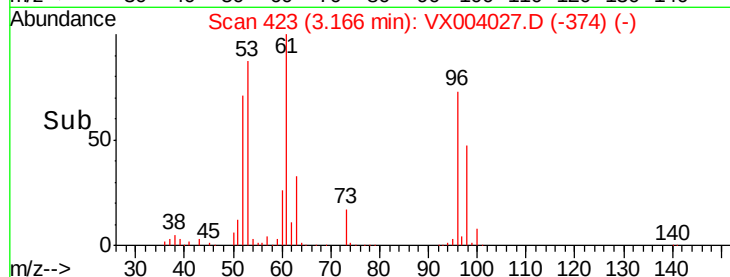
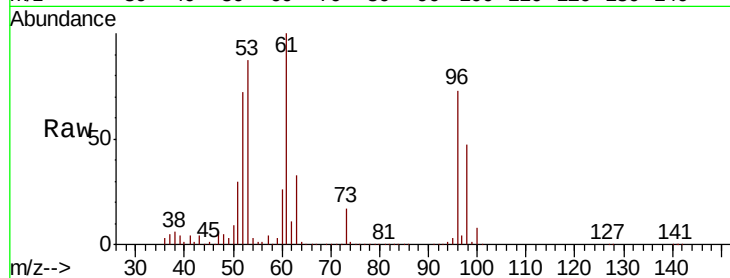
98 64.2 51.8 77.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 151.59 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.00 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

Tgt Ion: 45 Resp: 1832998

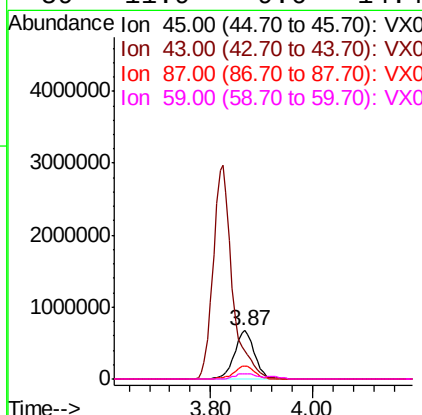
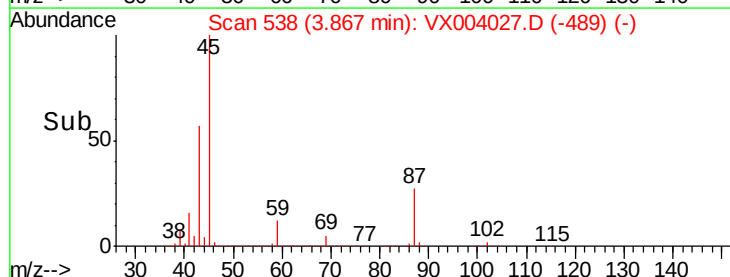
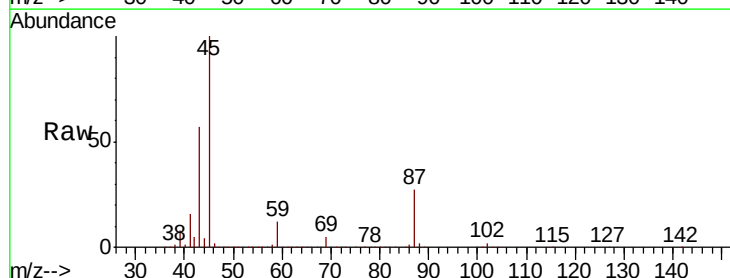
Ion Ratio Lower Upper

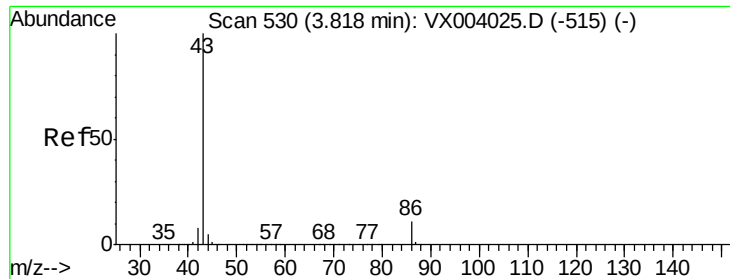
45 100

43 57.3 45.3 67.9

87 27.4 22.7 34.1

59 11.9 9.6 14.4





#23

Vinyl Acetate

Concen: 770.86 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.01 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 7755621

Ion Ratio Lower Upper

43 100

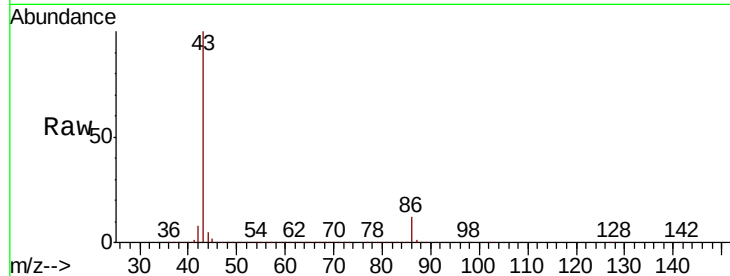
86 11.6 8.9 13.3

Manual Integrations

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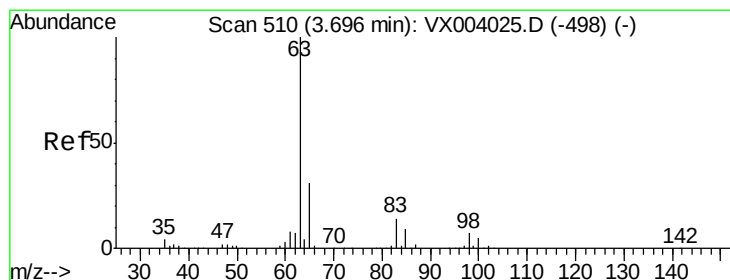
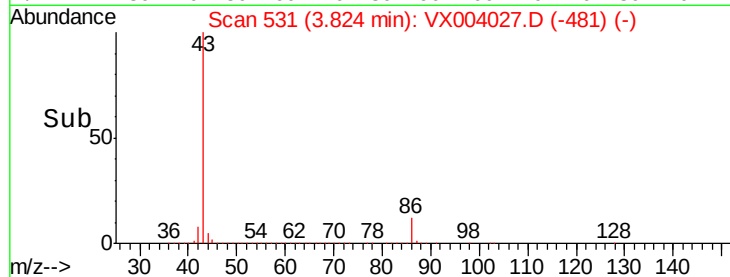
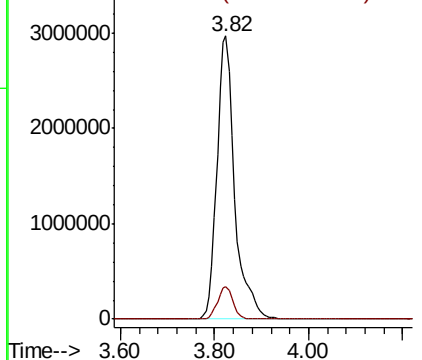
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 140.18 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

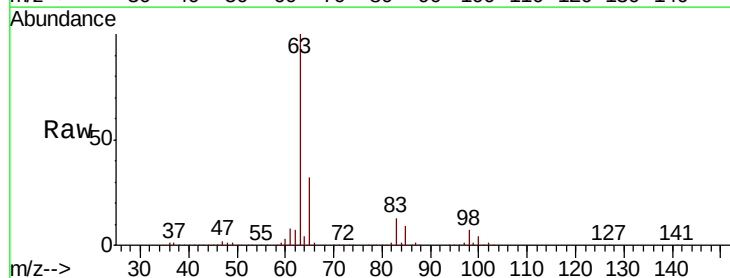
Tgt Ion: 63 Resp: 1006901

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

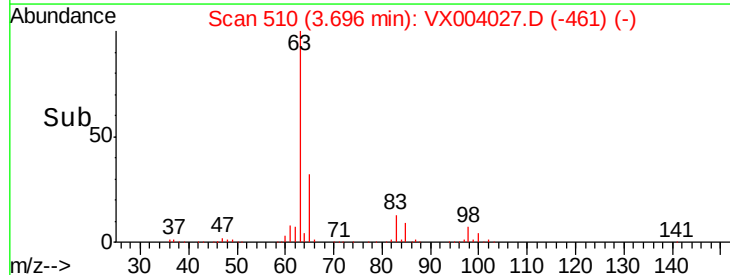
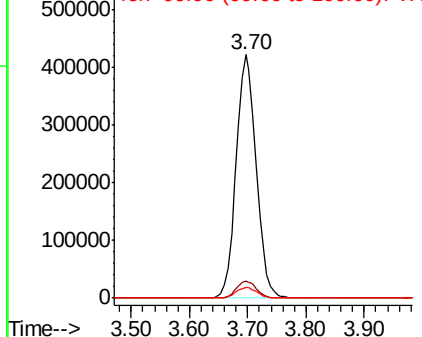
100 4.5 2.3 6.8

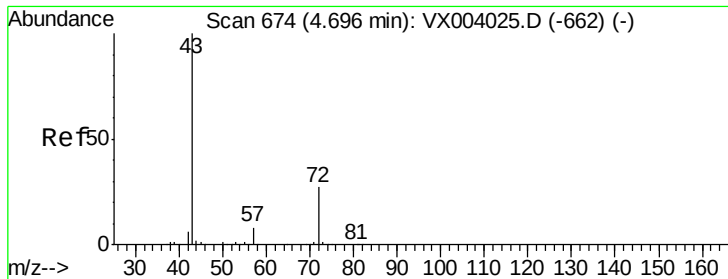


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 729.36 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.01 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2749497

Ion Ratio Lower Upper

43 100

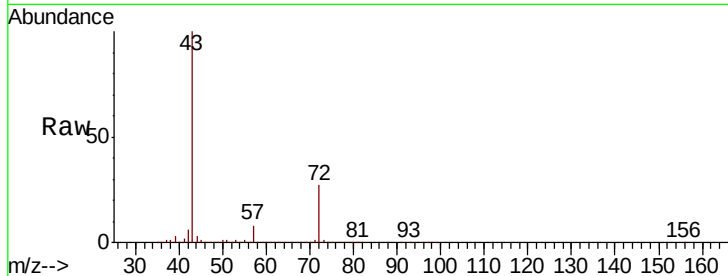
72 27.2 21.4 32.0

Manual Integrations

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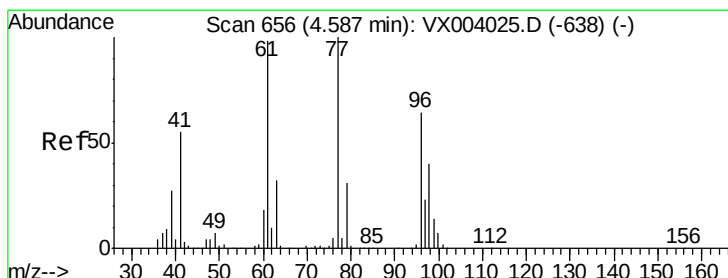
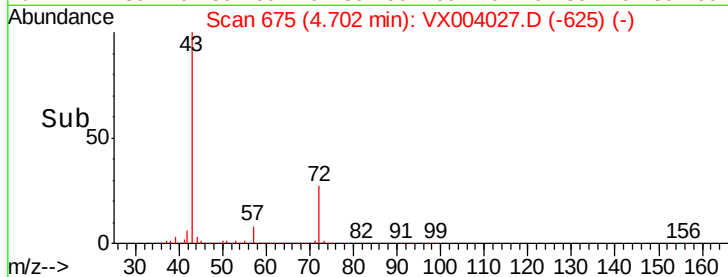
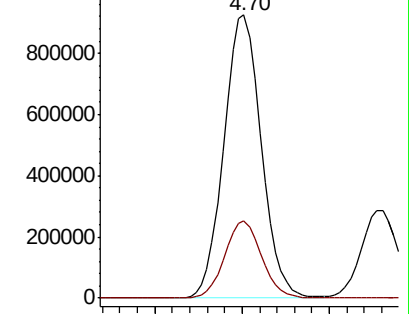
MMDadoda

8/15/2018 4:49:53 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 152.31 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX004027.D

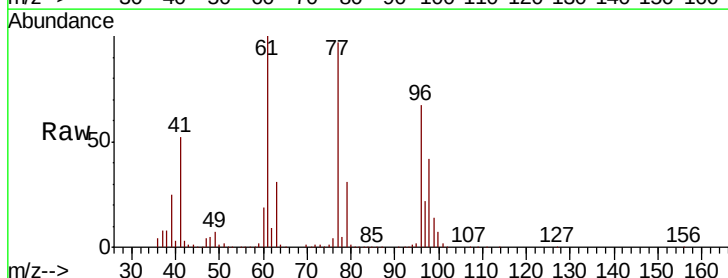
Acq: 14 Aug 2018 12:54

Tgt Ion: 77 Resp: 788940

Ion Ratio Lower Upper

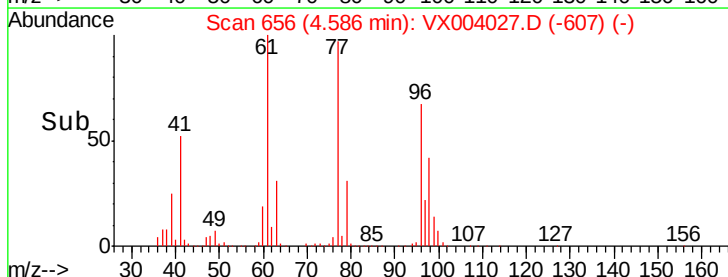
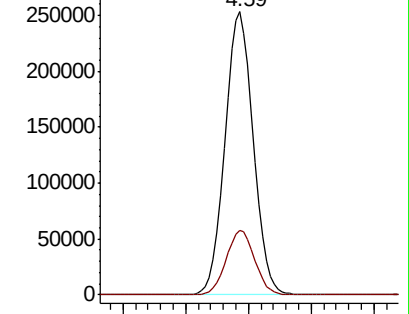
77 100

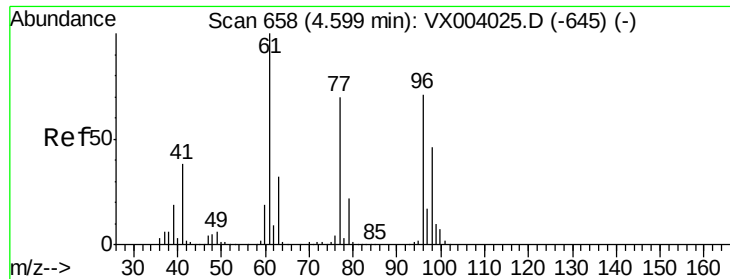
97 23.0 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

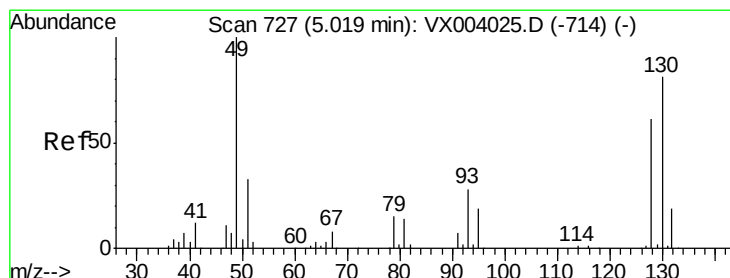
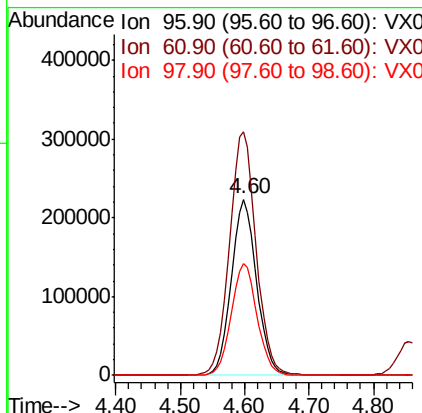
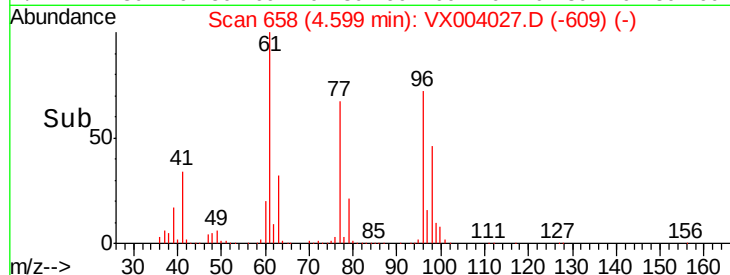
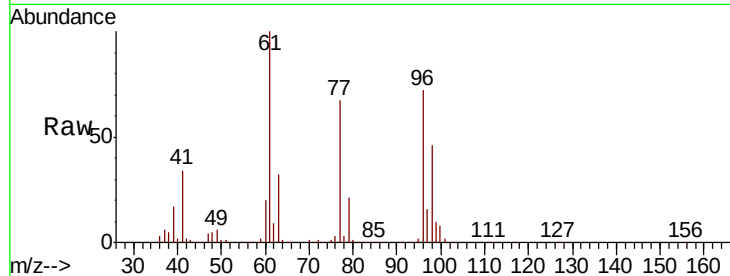
cis-1,2-Dichloroethene
Concen: 145.74 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.00 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	612641		
61	146.0	0.0	293.0	
98	64.8	0.0	131.8	

Manual Integrations
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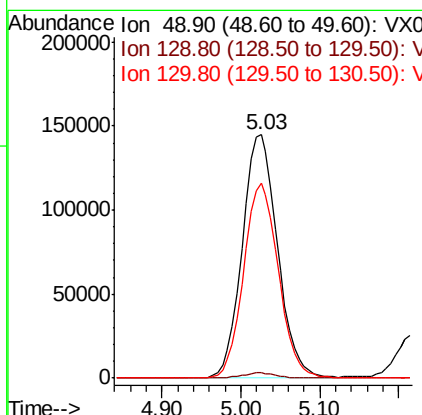
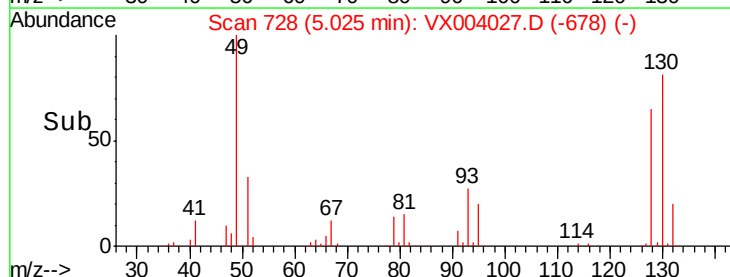
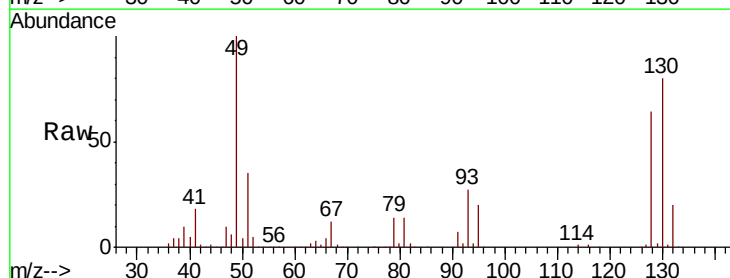
MMDadoda
8/15/2018 4:49:53 PM

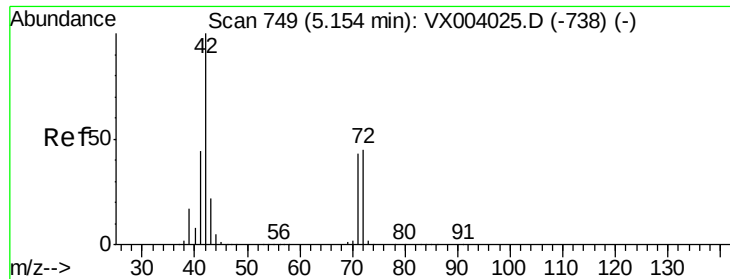


#28

Bromochloromethane
Concen: 146.64 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.01 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	450740		
129	2.0	0.0	4.2	
130	79.1	66.5	99.7	





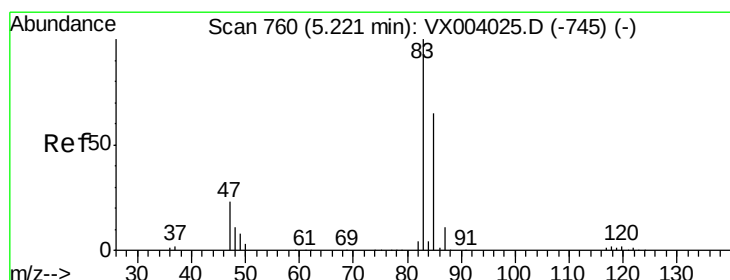
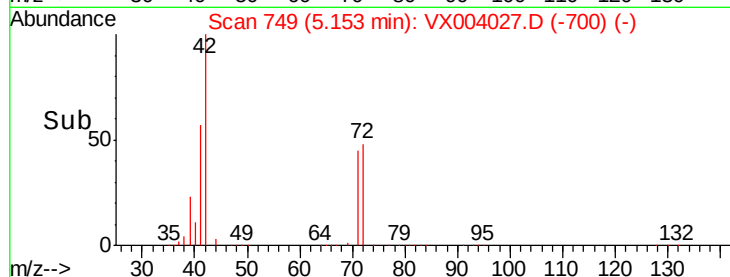
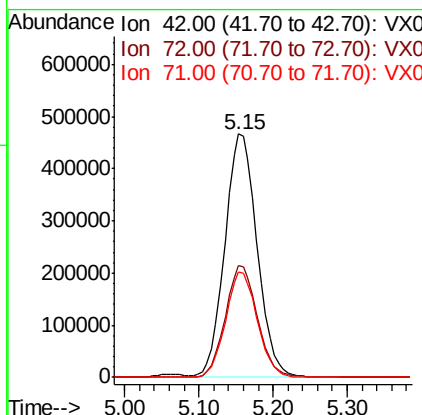
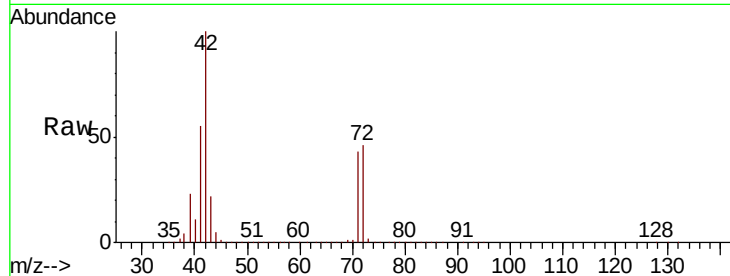
#29
Tetrahydrofuran
Concen: 726.69 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.00 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1408006
Ion Ratio Lower Upper
42 100
72 45.9 37.7 56.5
71 42.7 35.0 52.6

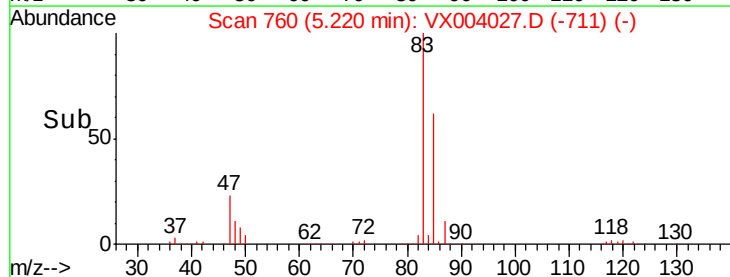
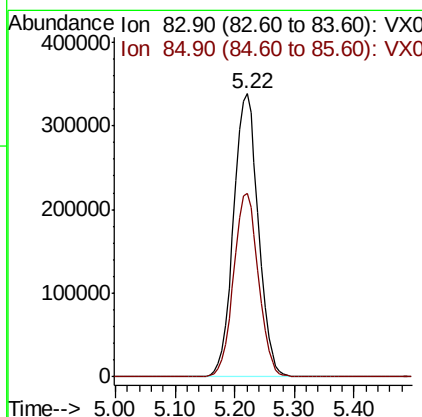
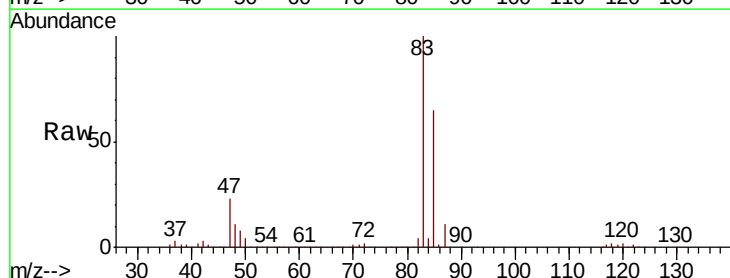
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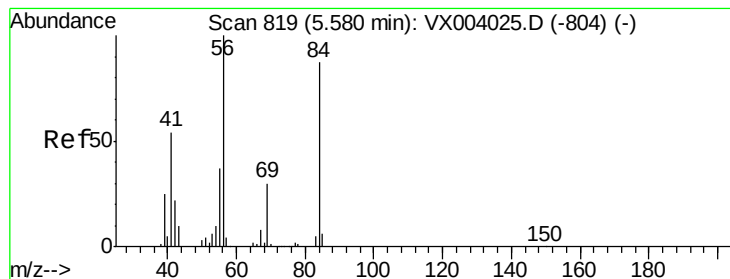
MMDadoda
8/15/2018 4:49:53 PM



#30
Chloroform
Concen: 144.82 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Tgt Ion: 83 Resp: 979268
Ion Ratio Lower Upper
83 100
85 64.8 50.7 76.1





#31

Cyclohexane

Concen: 146.83 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 891899

Ion Ratio Lower Upper

56 100

69 30.3 24.9 37.3

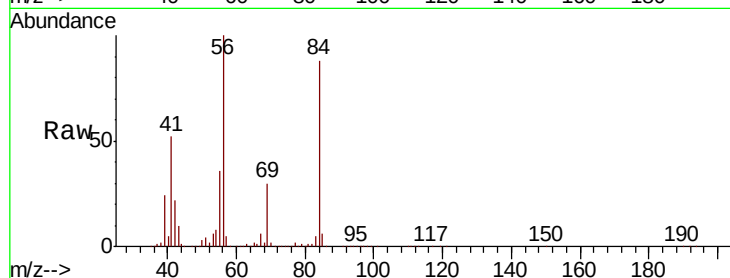
84 86.8 71.7 107.5

Manual Integrations

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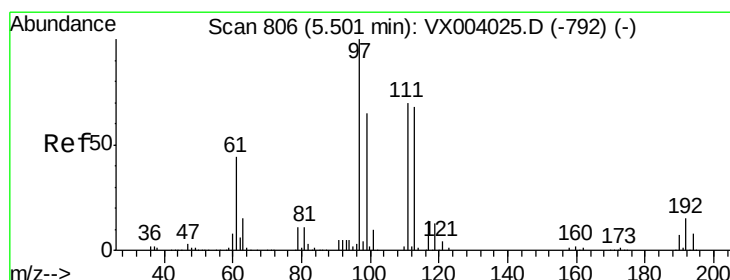
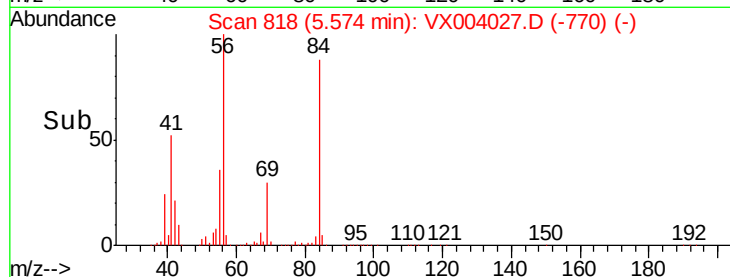
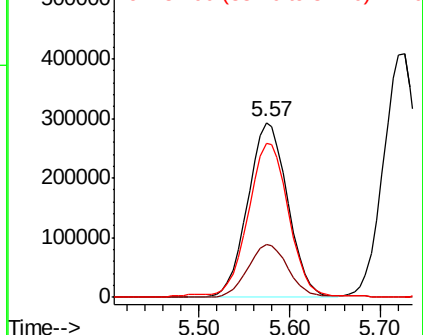
8/15/2018 4:49:53 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 150.50 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

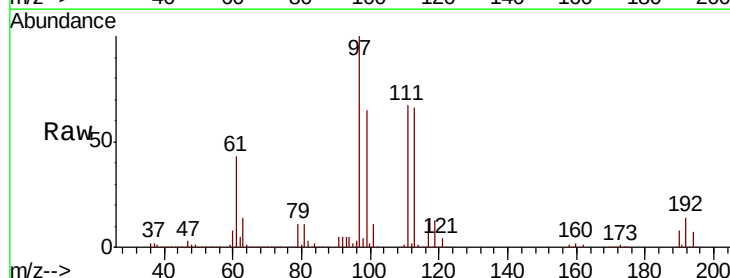
Tgt Ion: 97 Resp: 853423

Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.8

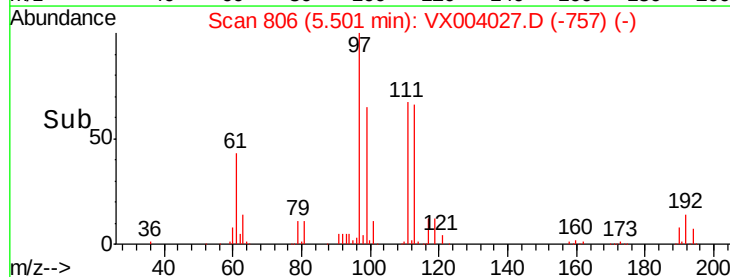
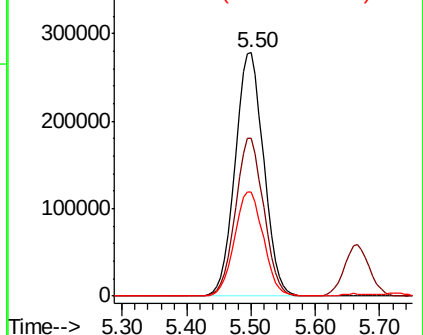
61 43.6 34.4 51.6

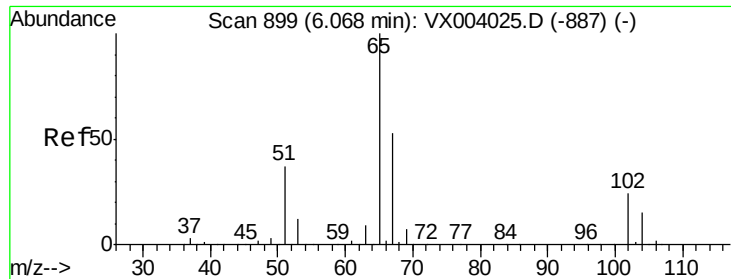


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





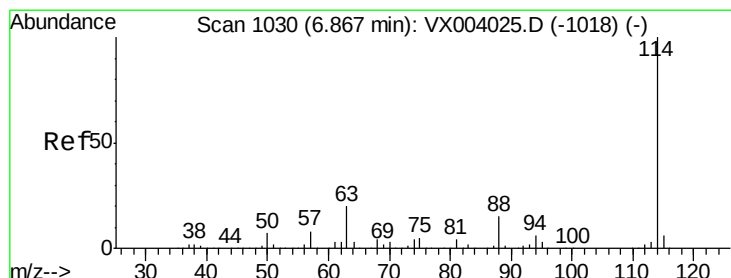
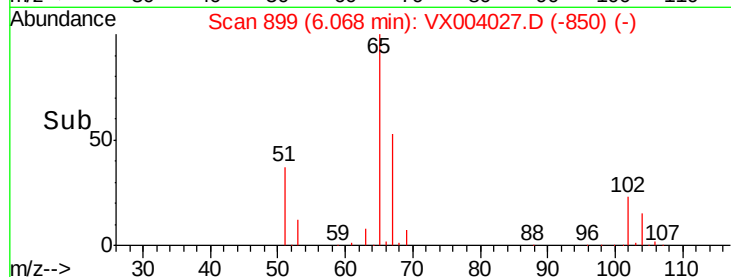
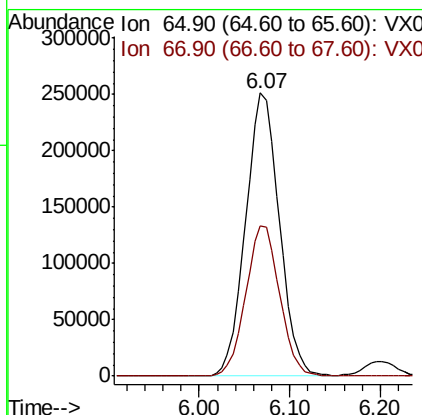
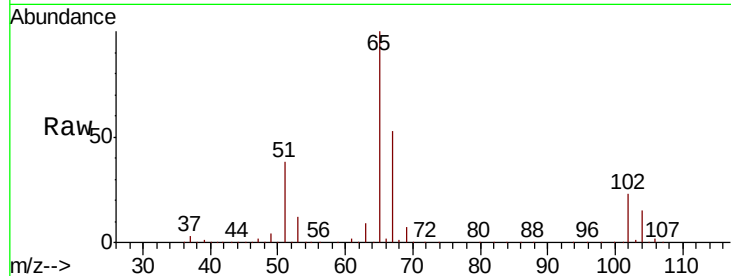
#33
 1,2-Dichloroethane-d4
 Concen: 153.70 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004027.D
 Acq: 14 Aug 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	647754		
67	53.4	0.0	105.8	

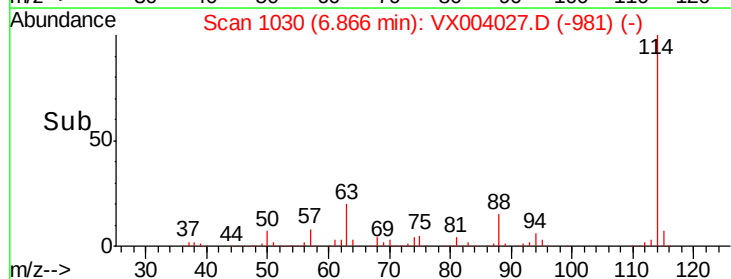
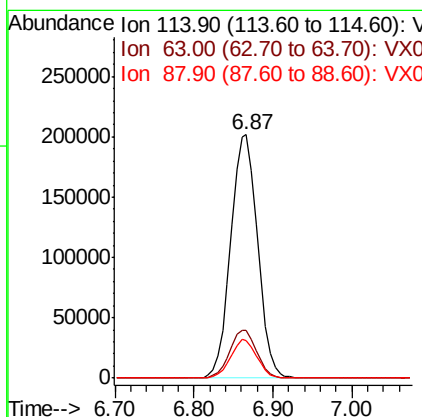
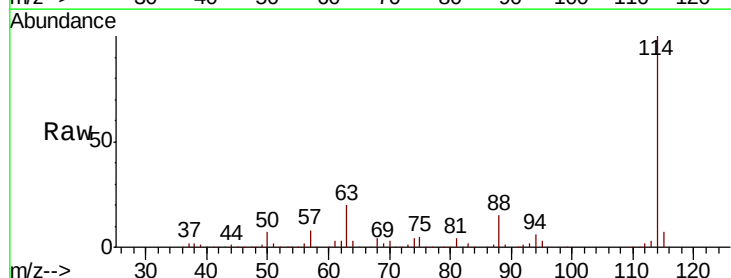
Manual Integrations
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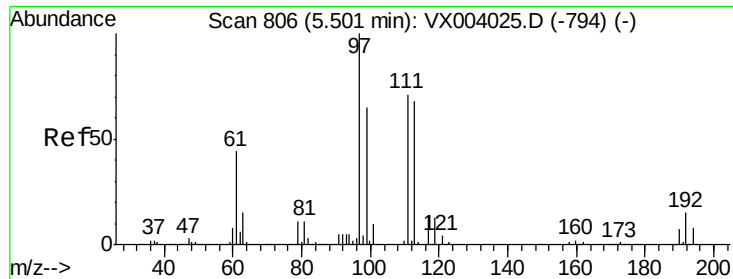
MMDadoda
 8/15/2018 4:49:53 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004027.D
 Acq: 14 Aug 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	478781		
63	19.7	0.0	39.0	
88	15.2	0.0	32.0	





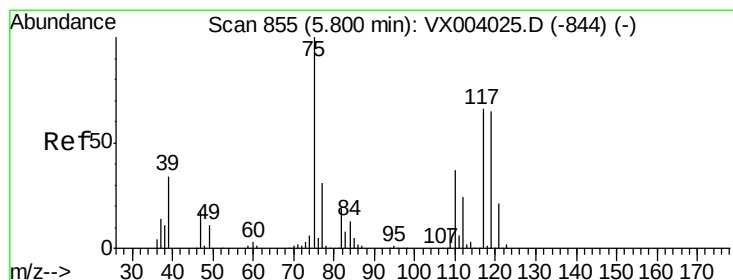
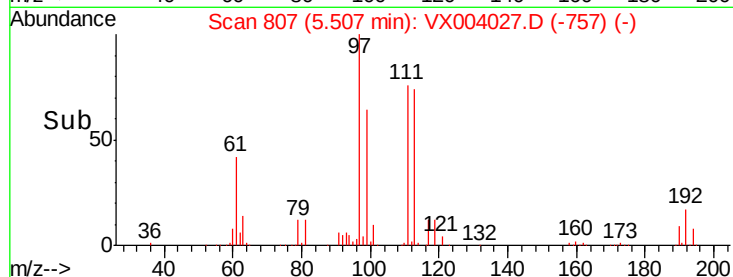
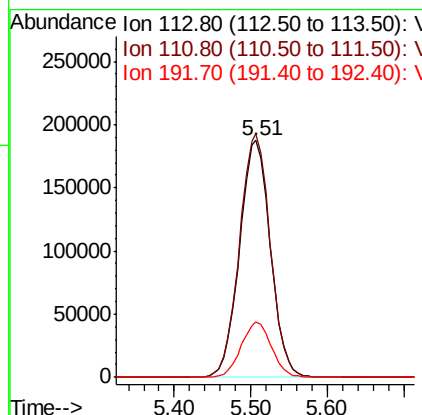
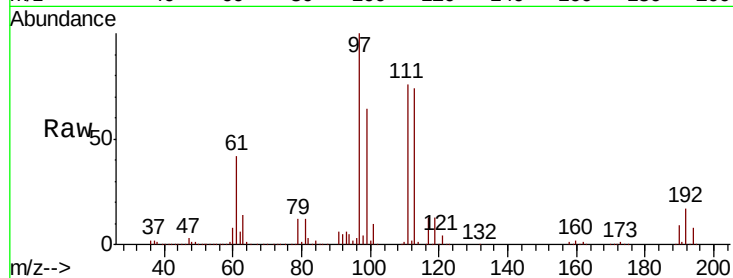
#35
 Dibromofluoromethane
 Concen: 144.56 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004027.D
 Acq: 14 Aug 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	524335		
111	102.7	82.0	123.0	
192	23.0	19.0	28.4	

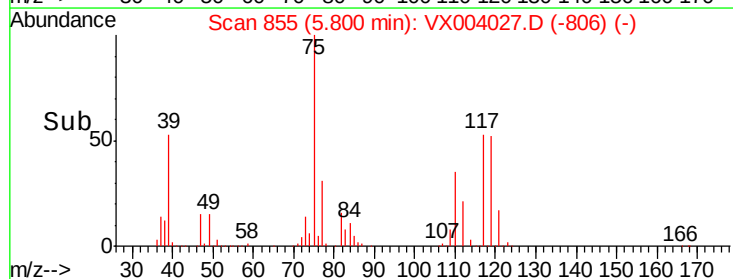
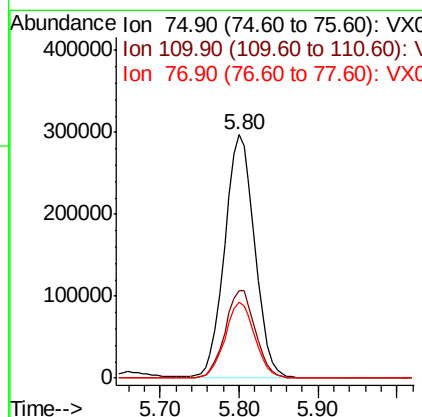
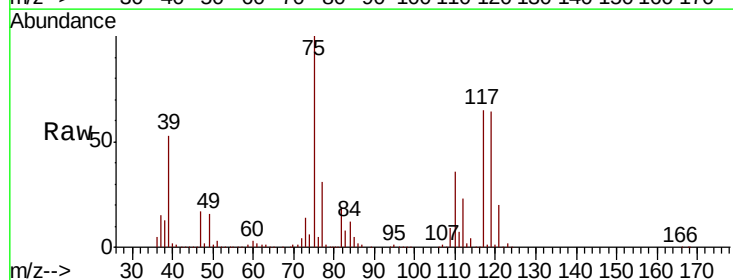
Manual Integrations
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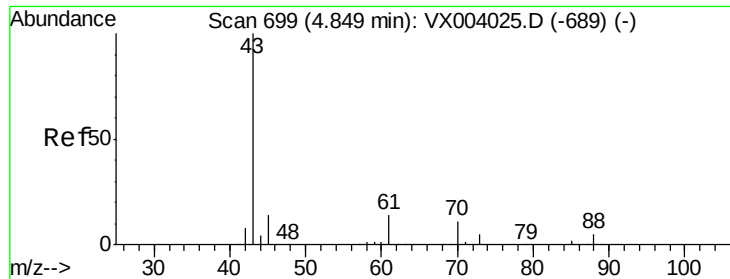
MMDadoda
 8/15/2018 4:49:53 PM



#36
 1,1-Dichloropropene
 Concen: 146.44 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX004027.D
 Acq: 14 Aug 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	785266		
110	36.4	18.2	54.6	
77	31.0	25.0	37.4	





#37

Ethyl Acetate

Concen: 144.03 ug/l

RT: 4.85 min Scan# 700

Delta R.T. 0.01 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

Instrument :

MSVOA_X

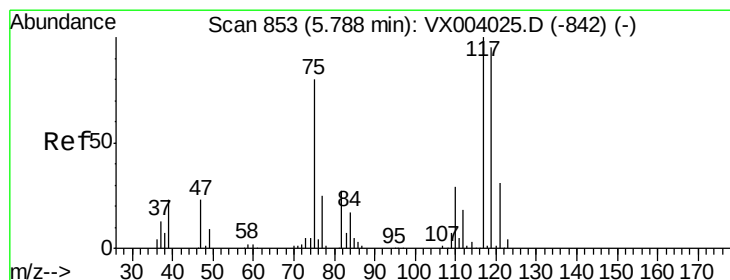
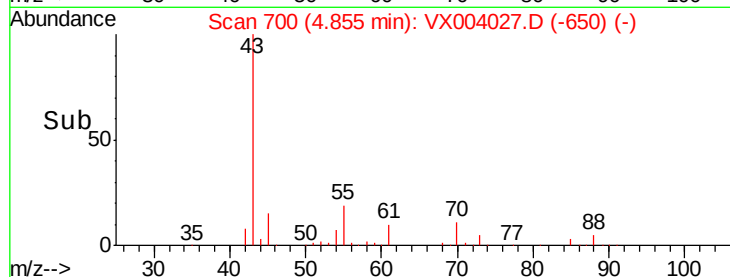
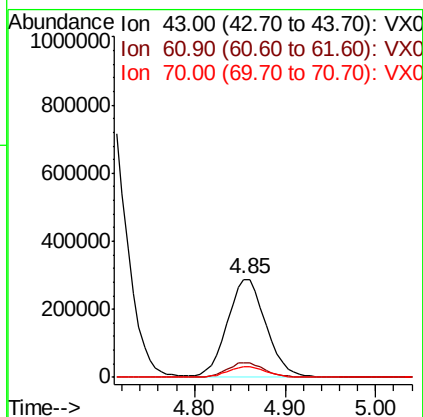
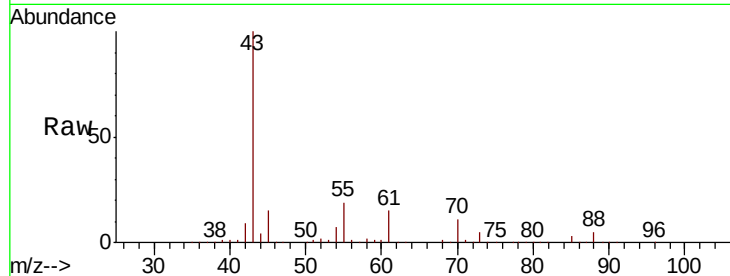
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	849613
Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	11.2	9.0	13.4

Manual Integrations
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MMDadoda
8/15/2018 4:49:53 PM



#38

Carbon Tetrachloride

Concen: 152.11 ug/l

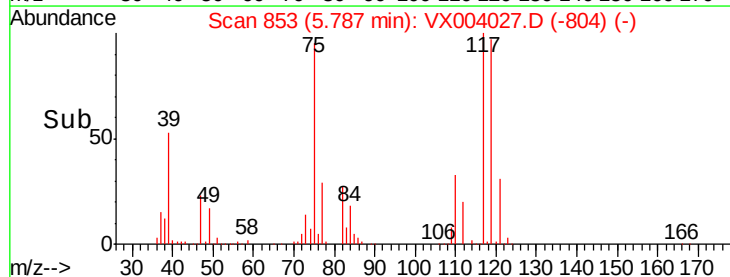
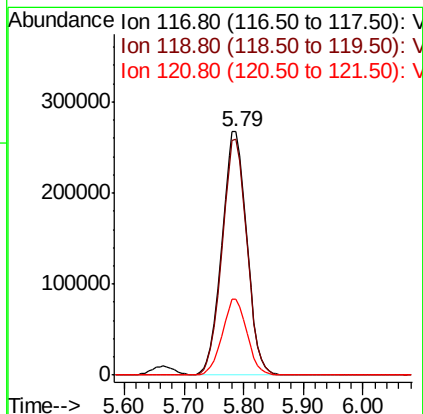
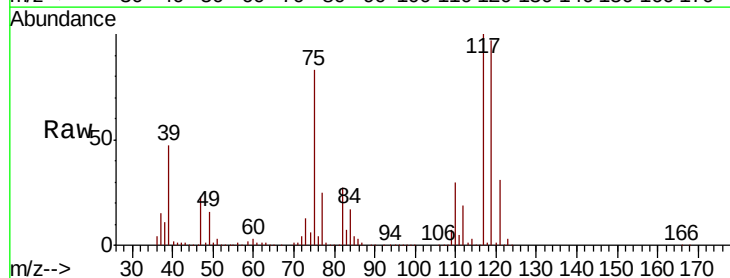
RT: 5.79 min Scan# 853

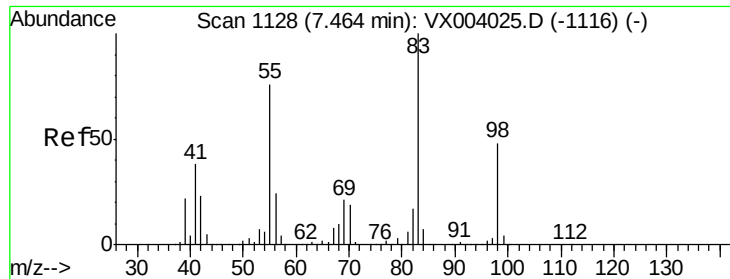
Delta R.T. -0.00 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

Tgt Ion:	117	Resp:	776361
Ion	Ratio	Lower	Upper
117	100		
119	97.1	79.5	119.3
121	31.1	25.0	37.4





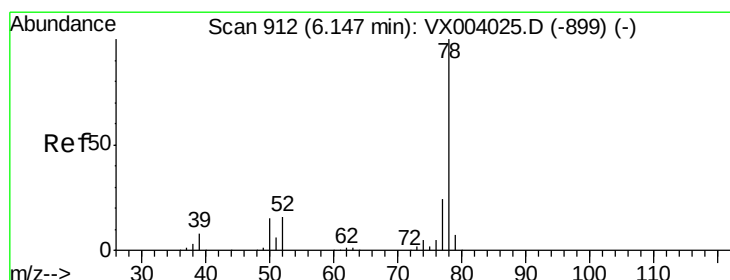
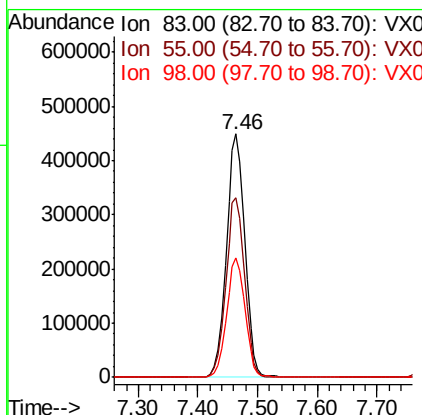
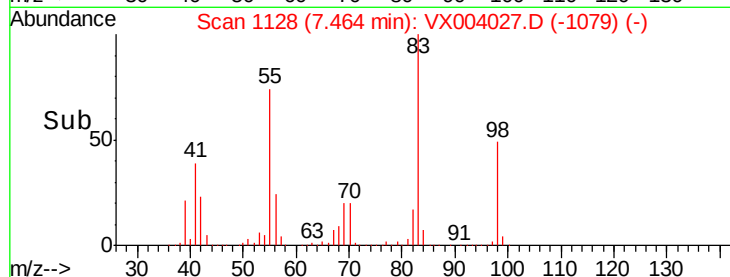
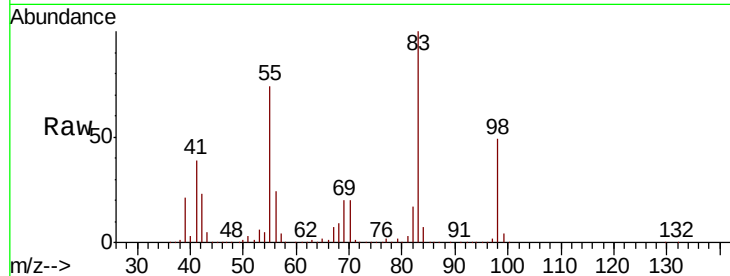
#39
Methylvlcyclohexane
Concen: 152.17 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.9	61.0	91.6
98	48.9	38.6	57.8

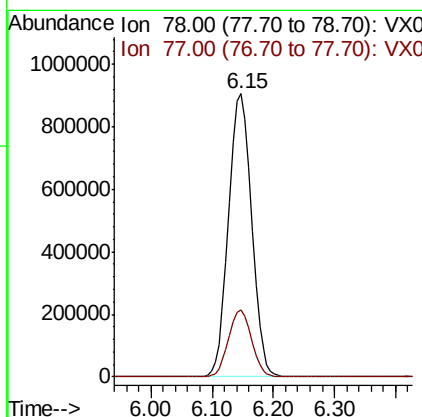
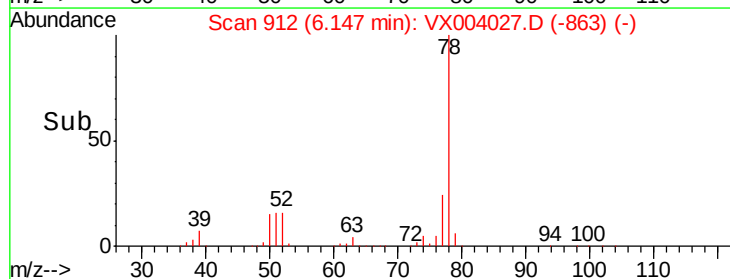
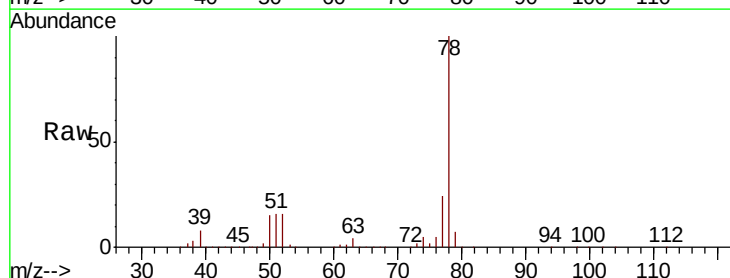
Manual Integrations
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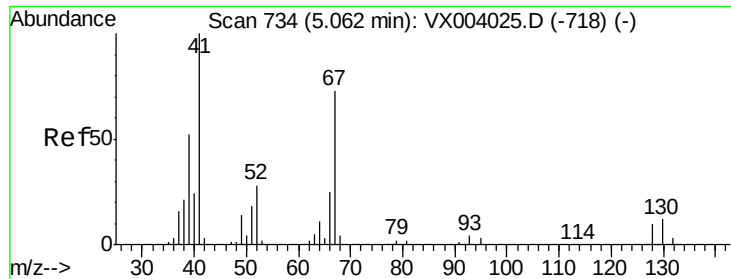
MMDadoda
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#40
Benzene
Concen: 146.16 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





#41

Methacrylonitrile

Concen: 147.89 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

Instrument :

MSVOA_X

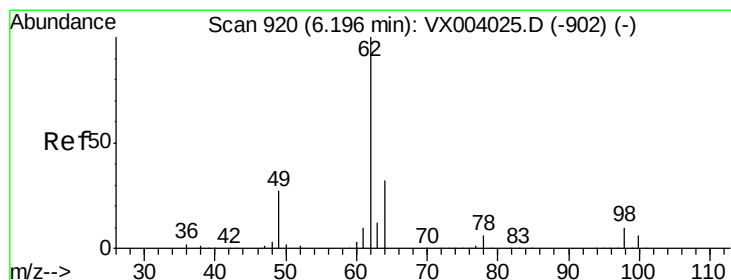
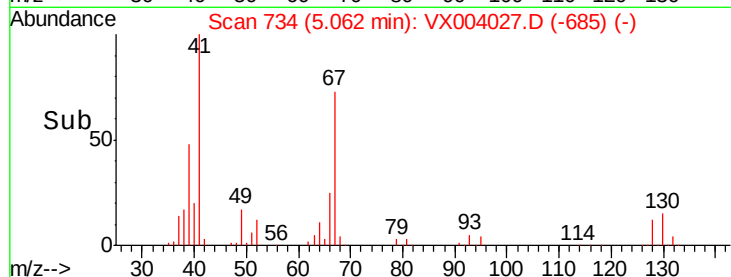
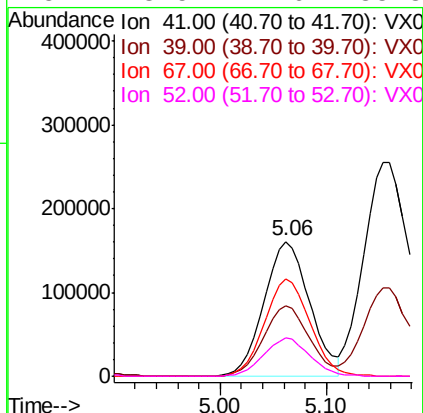
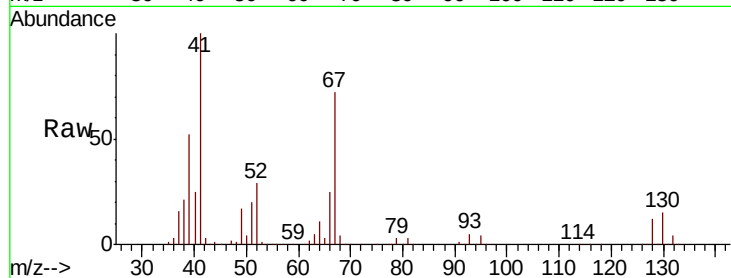
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.3	42.7	64.1	
67	72.1	58.9	88.3	
52	28.5	22.6	33.8	

Manual Integrations
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MMDadoda
8/15/2018 4:49:53 PM



#42

1,2-Dichloroethane

Concen: 146.43 ug/l

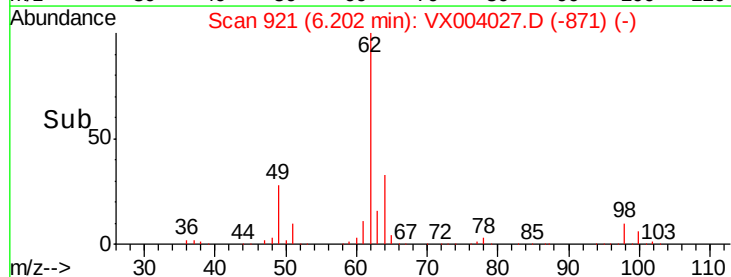
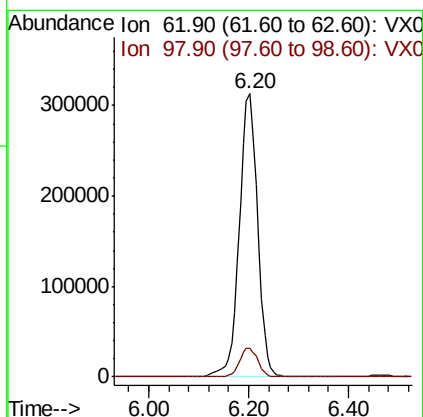
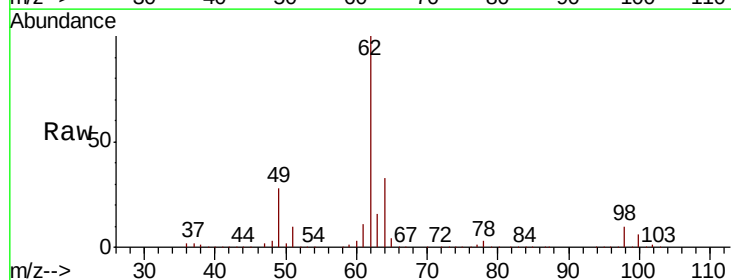
RT: 6.20 min Scan# 921

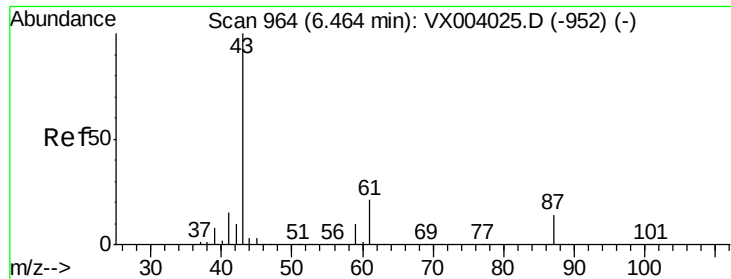
Delta R.T. 0.01 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.4	





#43

Isopropyl Acetate

Concen: 154.14 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1368261

Ion Ratio Lower Upper

43 100

61 21.2 16.9 25.3

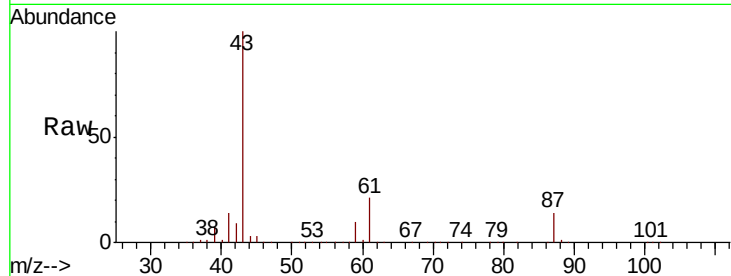
87 14.0 11.3 16.9

Manual Integrations

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MMDadoda

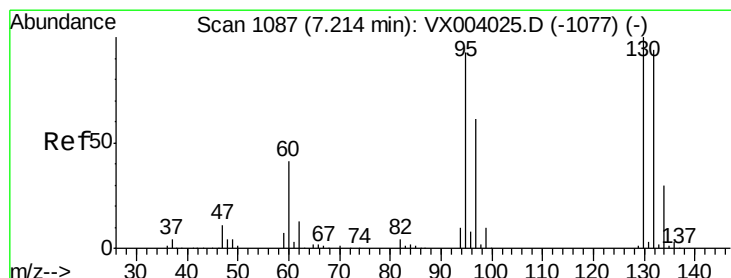
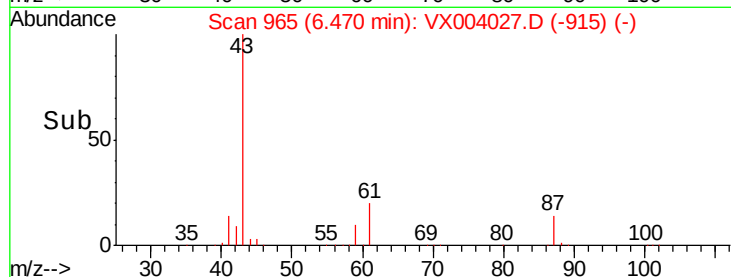
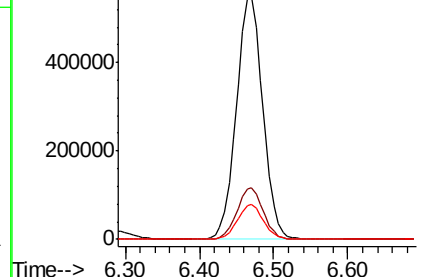
8/15/2018 4:49:53 PM



Abundance Ion 43.00 (42.70 to 43.70): VX004027.D (-952) (-)

Ion 61.00 (60.70 to 61.70): VX004027.D (-952) (-)

Ion 87.00 (86.70 to 87.70): VX004027.D (-952) (-)



#44

Trichloroethene

Concen: 144.60 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004027.D

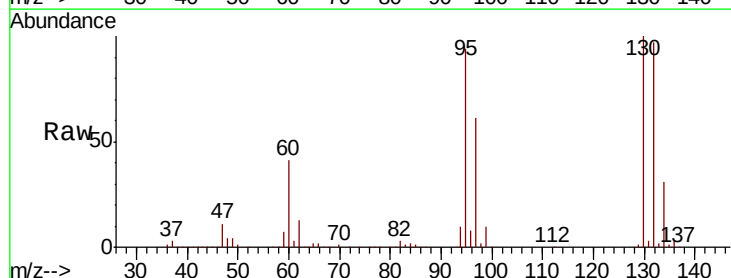
Acq: 14 Aug 2018 12:54

Tgt Ion:130 Resp: 636771

Ion Ratio Lower Upper

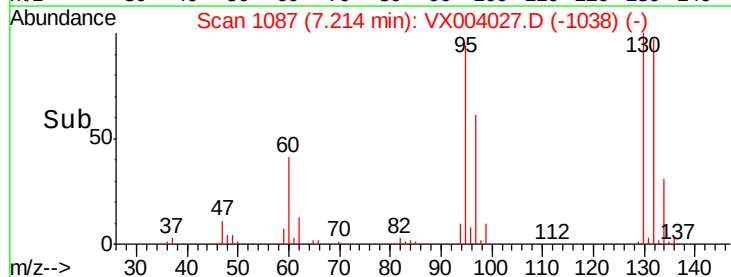
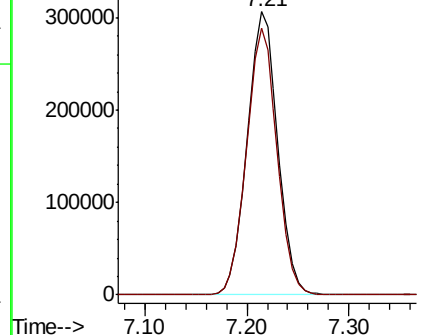
130 100

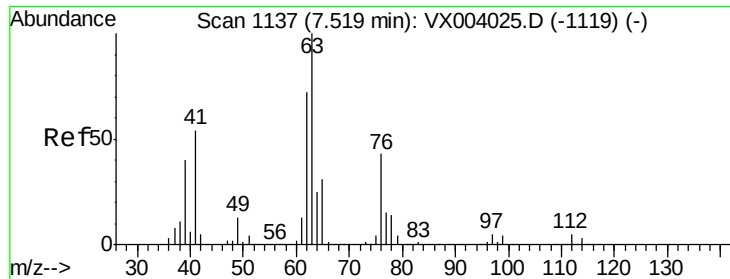
95 94.4 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): VX004027.D (-1038) (-)

Ion 94.90 (94.60 to 95.60): VX004027.D (-1038) (-)





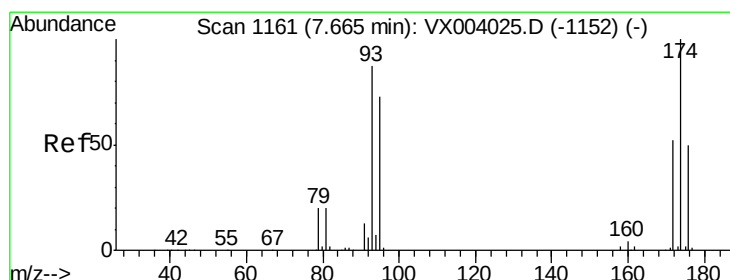
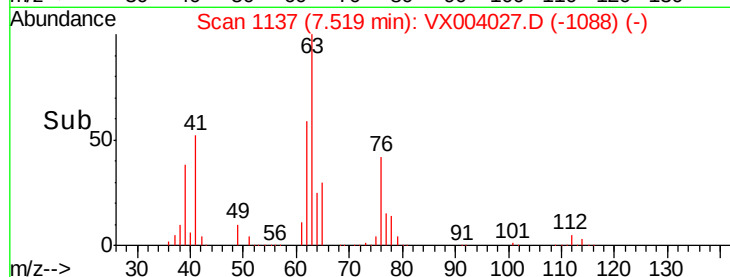
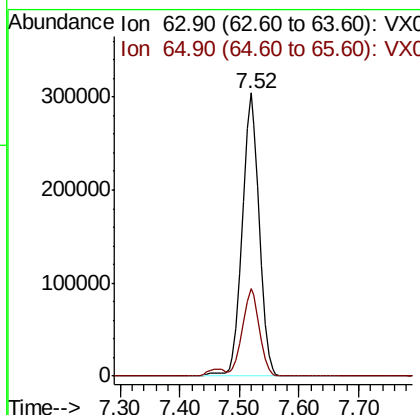
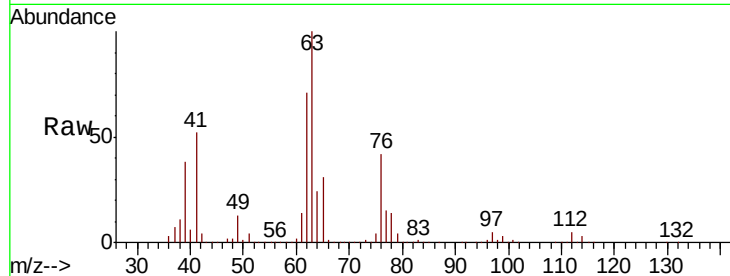
#45
 1,2-Dichloropropane
 Concen: 145.43 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004027.D
 Acq: 14 Aug 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.6	36.8

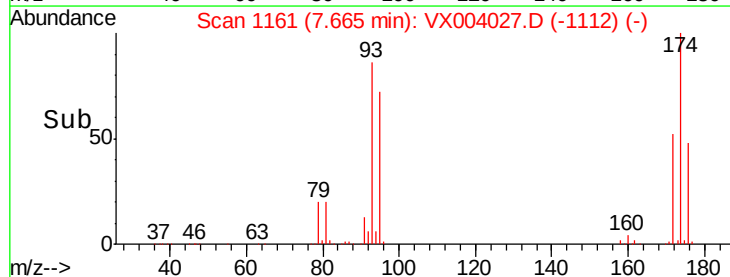
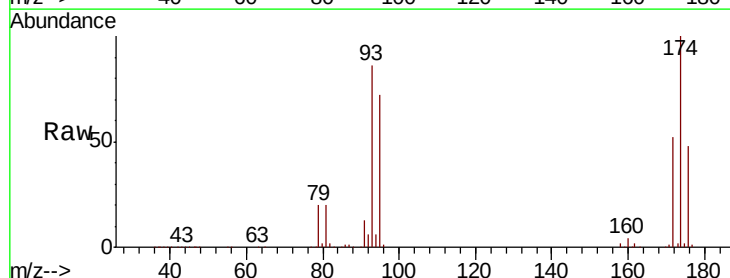
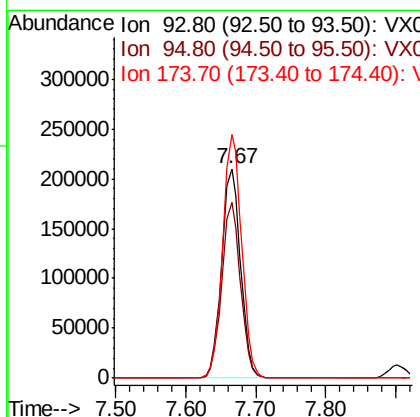
Manual Integrations
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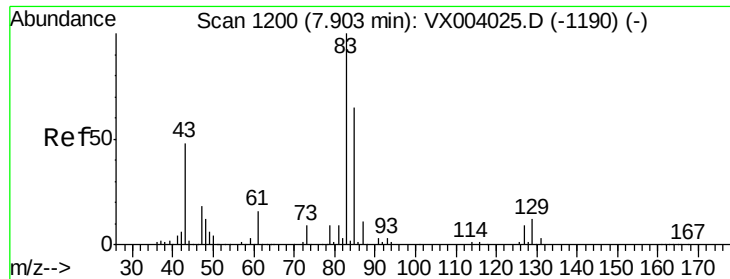
MMDadoda
 8/15/2018 4:49:53 PM



#46
 Dibromomethane
 Concen: 146.64 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX004027.D
 Acq: 14 Aug 2018 12:54

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	66.4	99.6
174	116.7	94.3	141.5





#47

Bromodichloromethane

Concen: 155.70 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

Instrument :

MSVOA_X

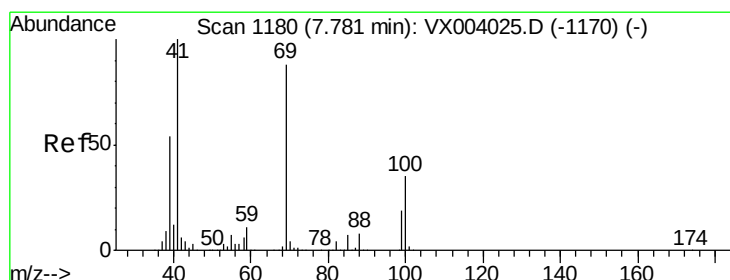
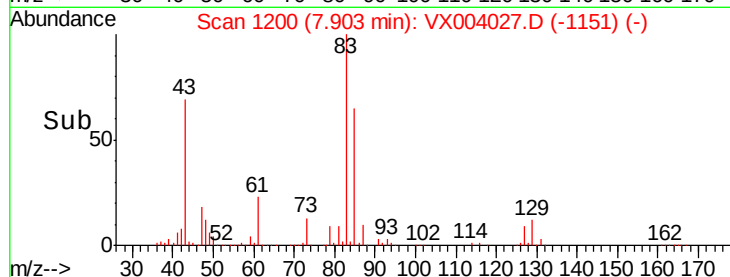
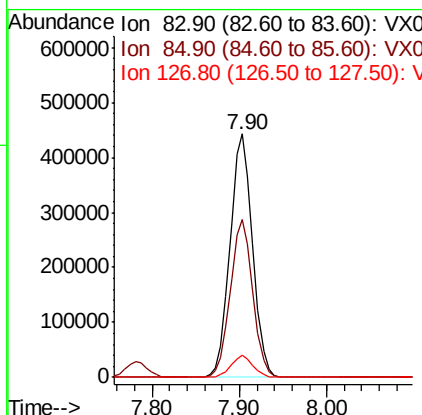
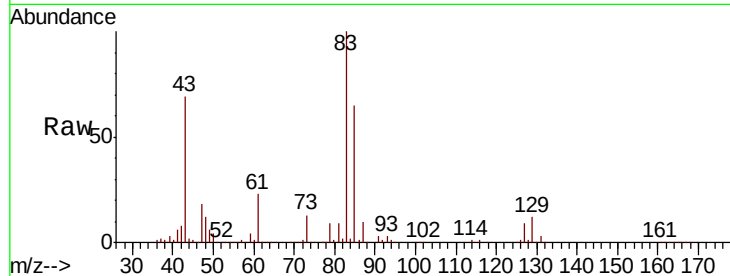
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	791814
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.2	76.8
127	9.0	7.2	10.8

Manual Integrations
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MMDadoda
8/15/2018 4:49:53 PM



#48

Methyl methacrylate

Concen: 158.80 ug/l

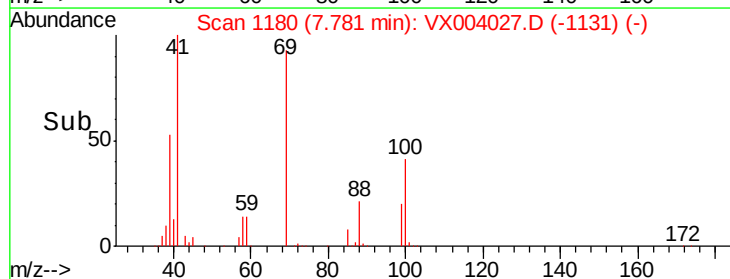
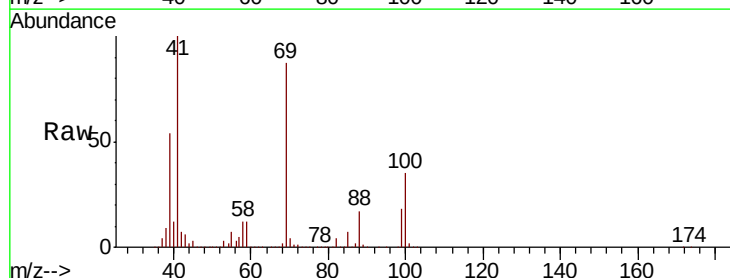
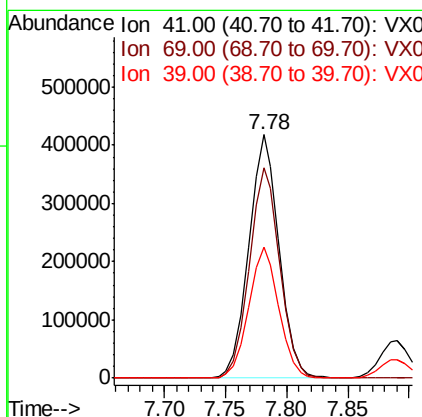
RT: 7.78 min Scan# 1180

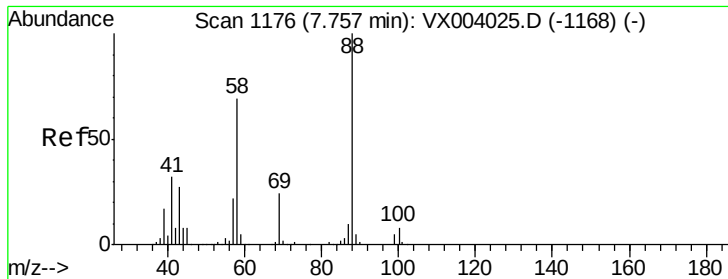
Delta R.T. -0.00 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

Tgt Ion:	41	Resp:	716552
Ion	Ratio	Lower	Upper
41	100		
69	87.4	68.8	103.2
39	53.7	42.3	63.5





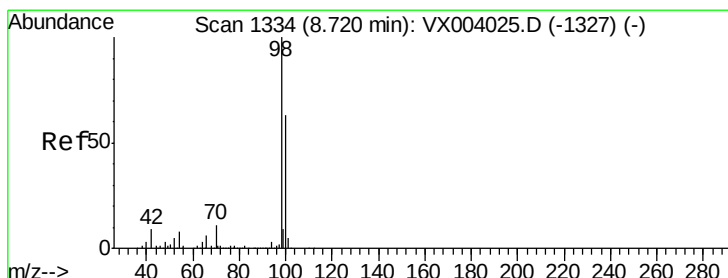
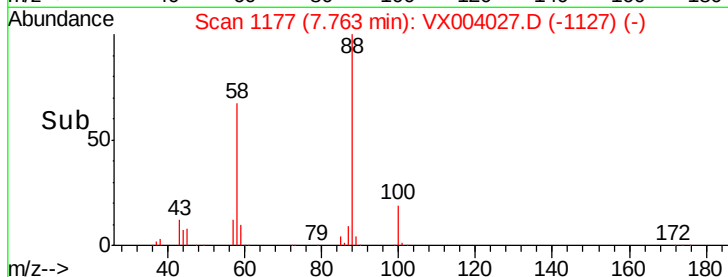
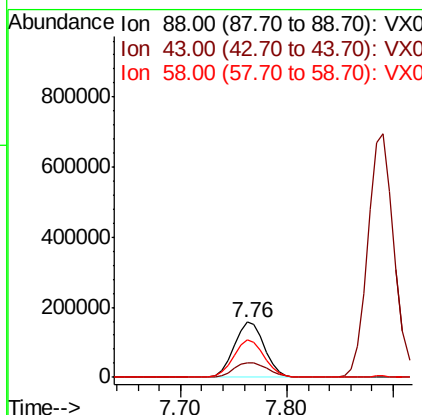
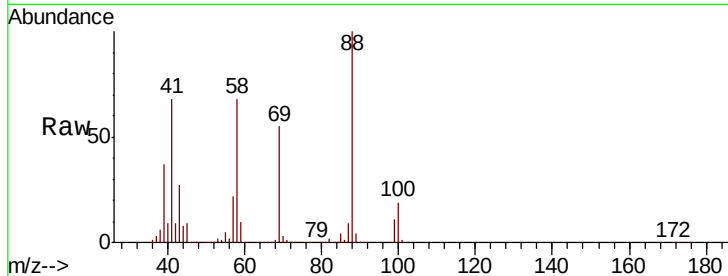
#49
1,4-Dioxane
Concen: 2978.50 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.4	23.8	35.8
58	68.6	55.4	83.0

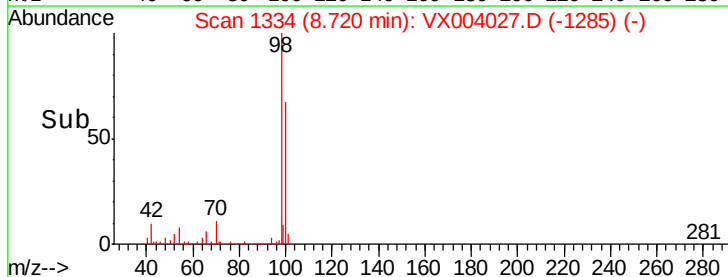
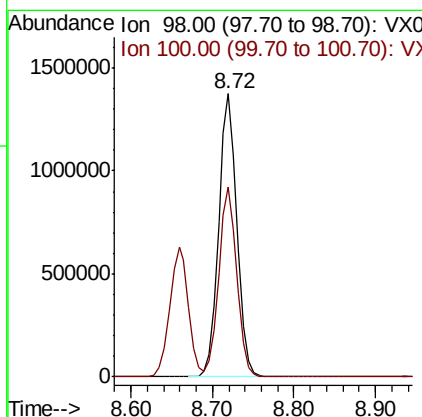
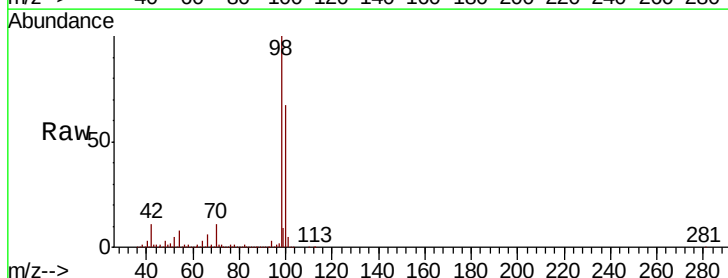
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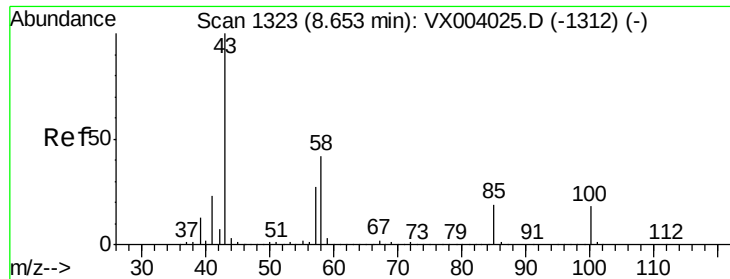
MMDadoda
8/15/2018 4:49:53 PM



#50
Toluene-d8
Concen: 151.60 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.3	79.9





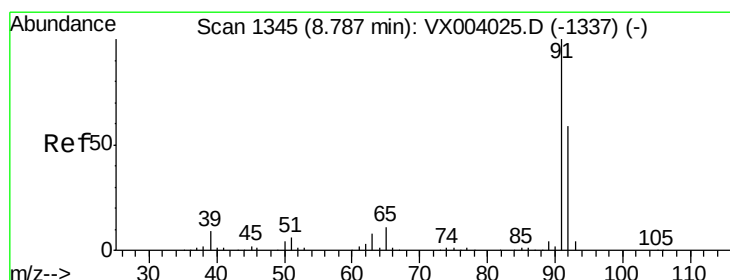
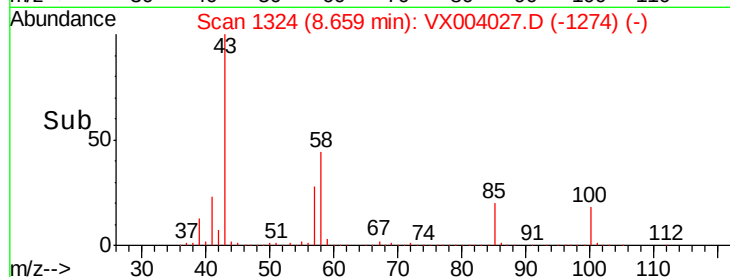
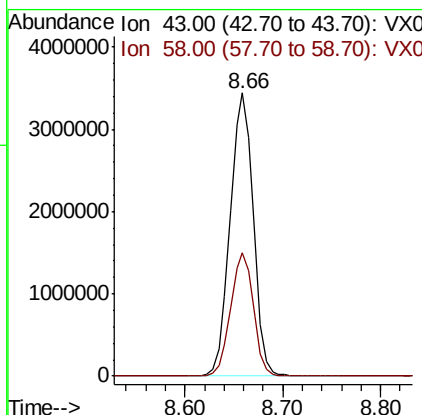
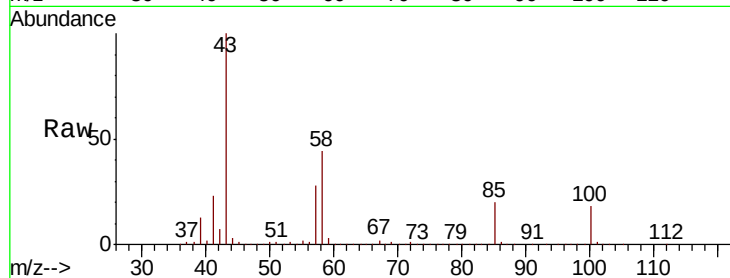
#51
4-Methyl-2-Pentanone
Concen: 767.17 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.01 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 5644636
Ion Ratio Lower Upper
43 100
58 42.7 33.0 49.6

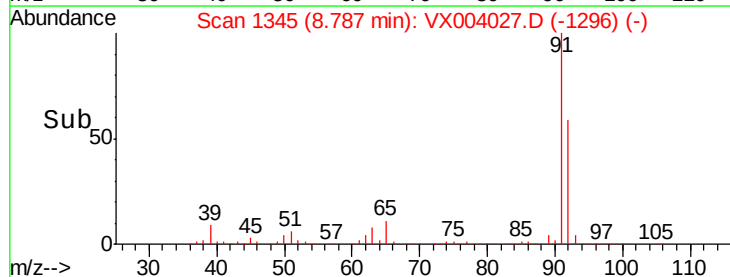
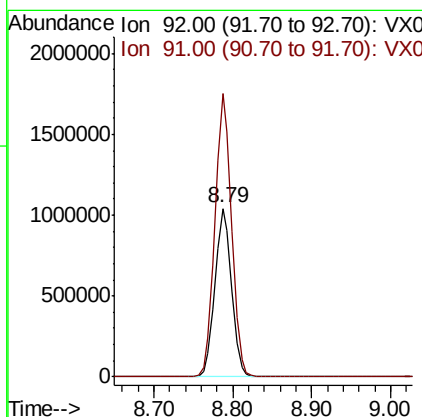
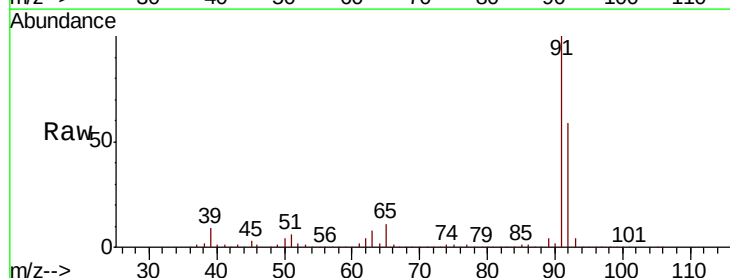
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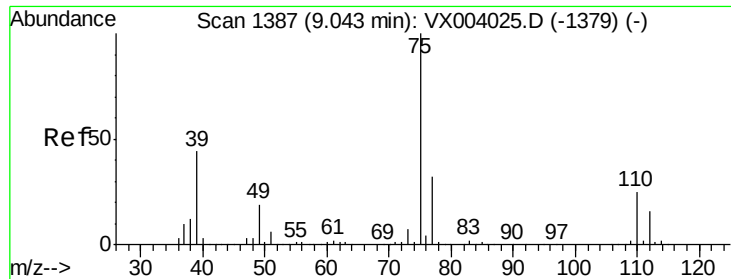
MMDadoda
8/15/2018 4:49:53 PM



#52
Toluene
Concen: 149.78 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Tgt Ion: 92 Resp: 1523899
Ion Ratio Lower Upper
92 100
91 169.0 136.1 204.1





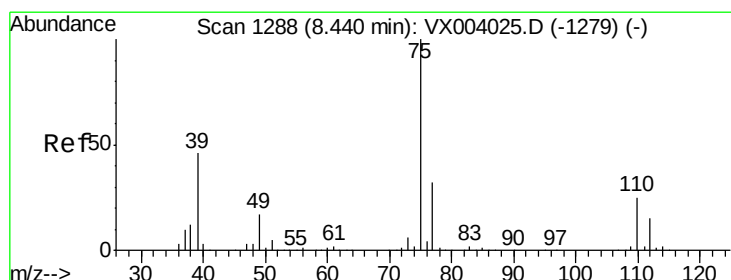
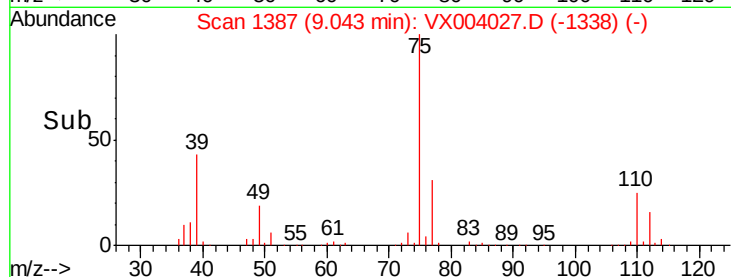
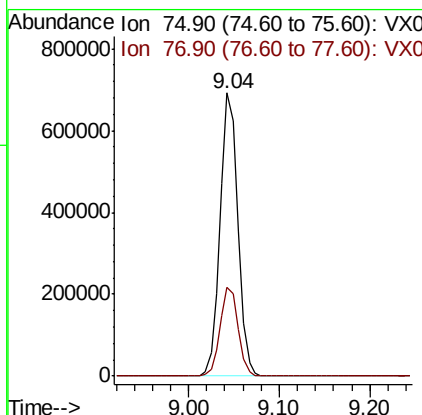
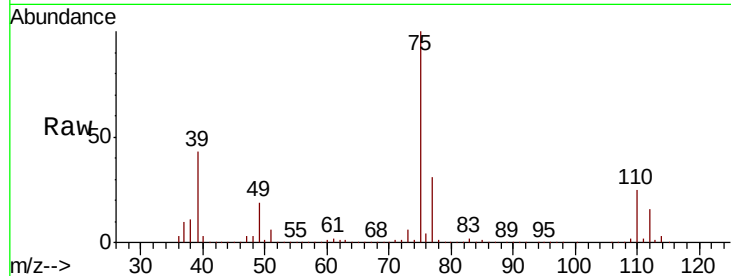
#53
t-1,3-Dichloropropene
Concen: 164.90 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7

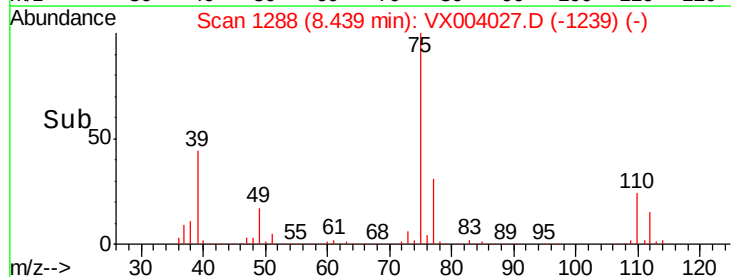
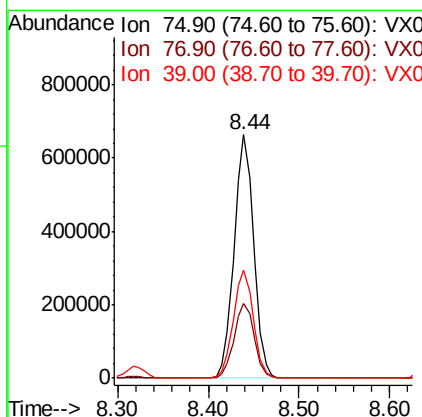
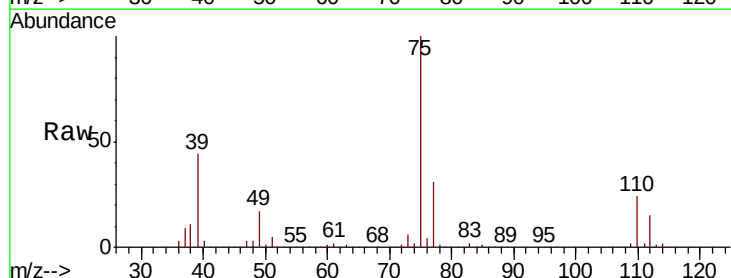
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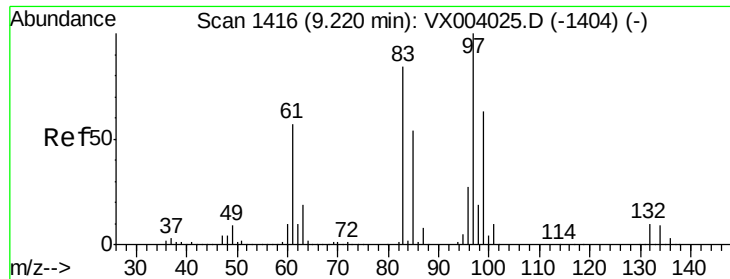
MMDadoda
8/15/2018 4:49:53 PM



#54
cis-1,3-Dichloropropene
Concen: 160.38 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.3	37.9
39	44.4	36.2	54.2





#55

1,1,2-Trichloroethane

Concen: 147.58 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

Instrument :

MSVOA_X

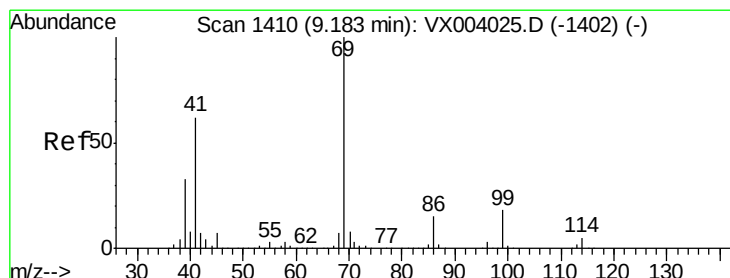
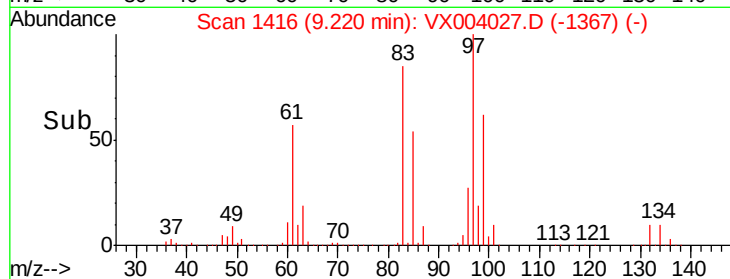
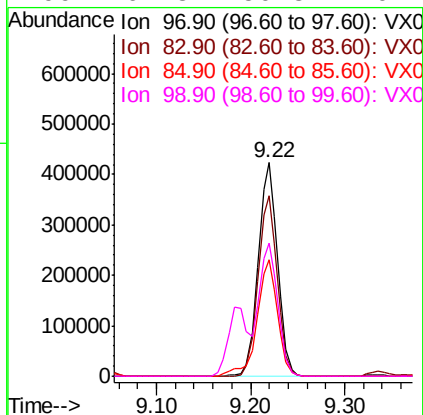
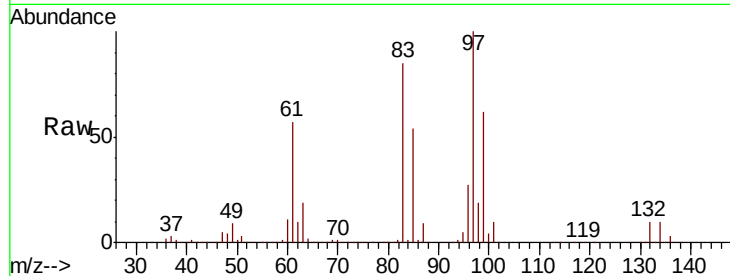
ClientSampleId :

VSTDIC150

Tot Ion:	97	Resp:	613590
Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.8	101.6
85	54.3	44.2	66.2
99	62.3	50.8	76.2

Manual Integrations
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8/15/2018 4:49:53 PM



#56

Ethyl methacrylate

Concen: 169.28 ug/l

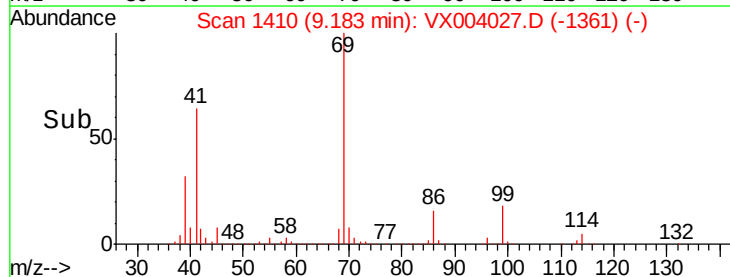
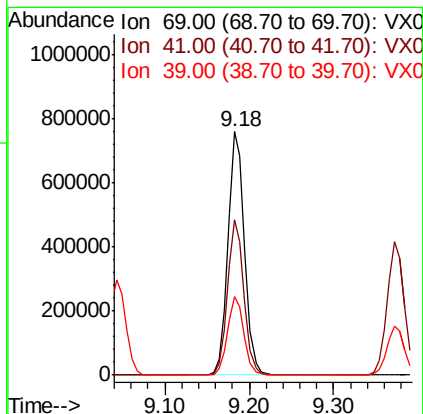
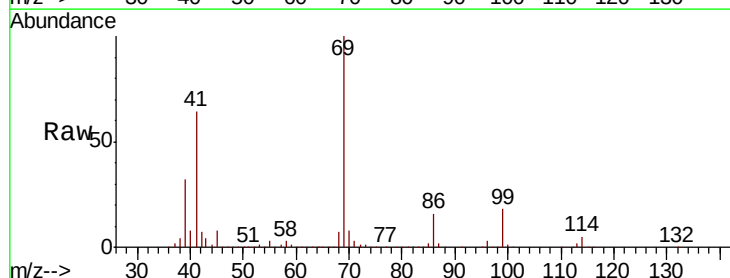
RT: 9.18 min Scan# 1410

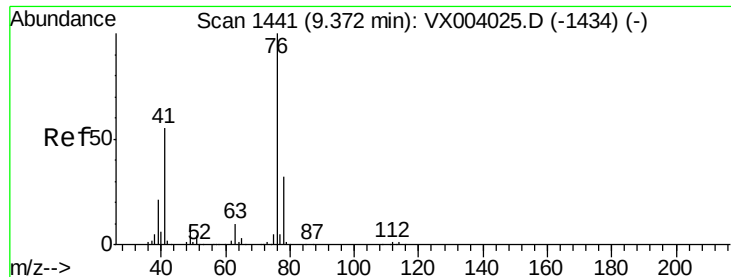
Delta R.T. -0.00 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

Tgt Ion:	69	Resp:	1021119
Ion	Ratio	Lower	Upper
69	100		
41	63.3	50.6	76.0
39	32.1	25.8	38.6





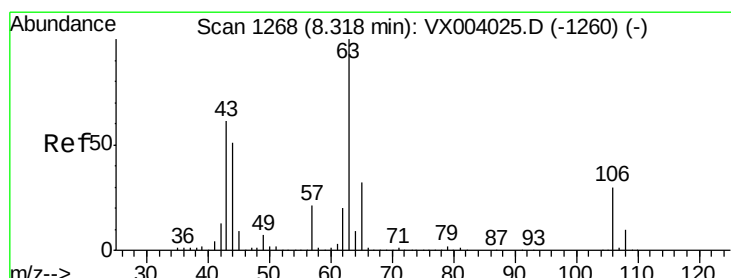
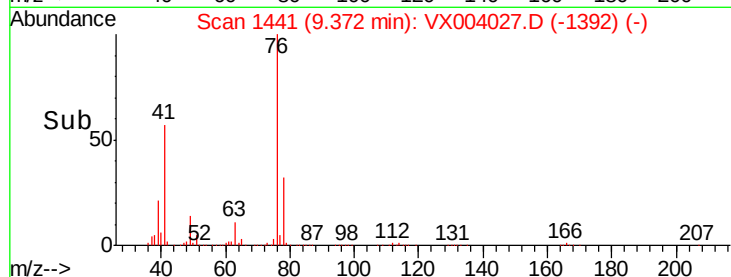
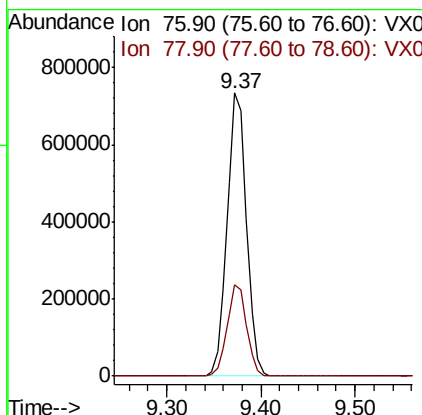
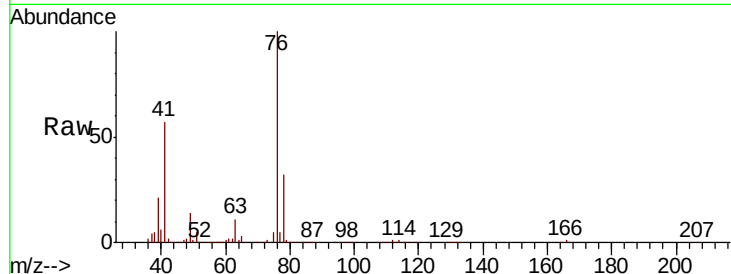
#57
 1,3-Dichloropropane
 Concen: 150.14 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004027.D
 Acq: 14 Aug 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 1044719
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.9 38.9

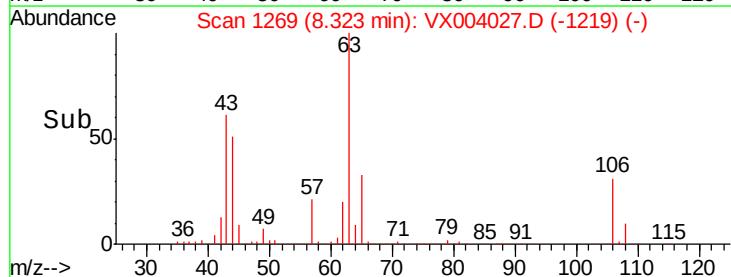
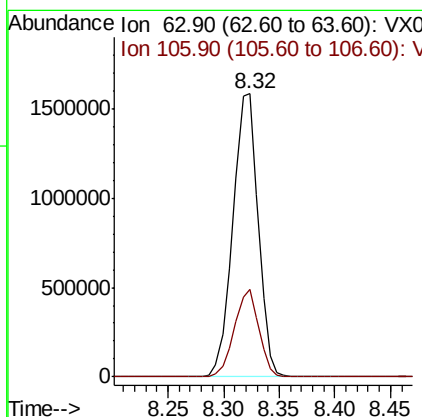
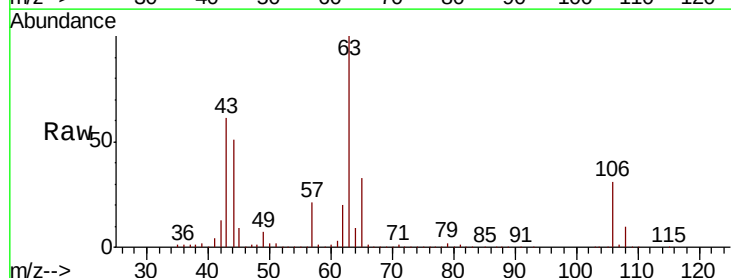
Manual Integrations
 APPROVED

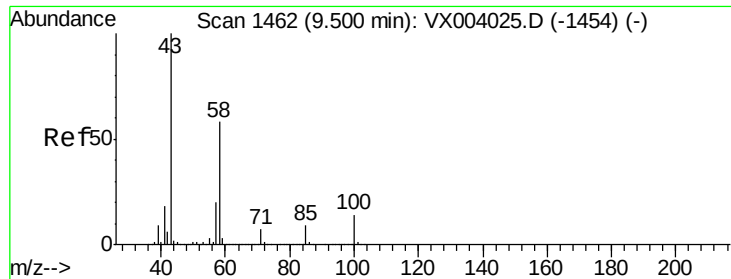
MMDadoda
 8/15/2018 4:49:53 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 839.30 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: VX004027.D
 Acq: 14 Aug 2018 12:54

Tgt Ion: 63 Resp: 2489524
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.8 35.8





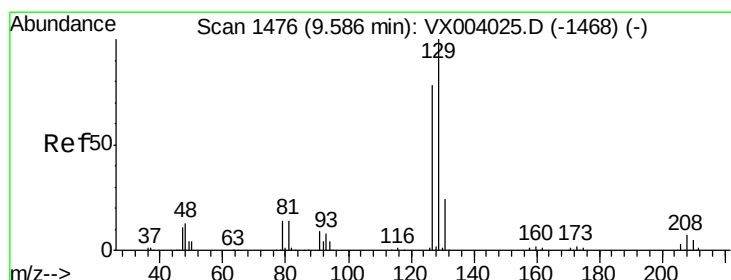
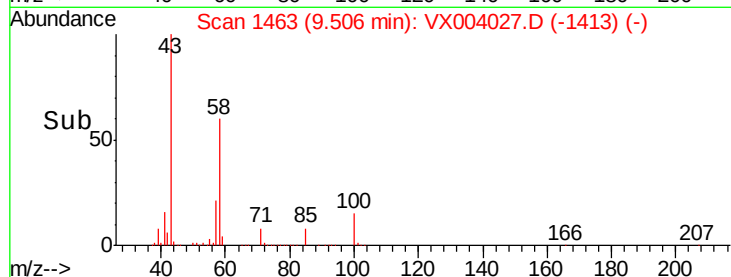
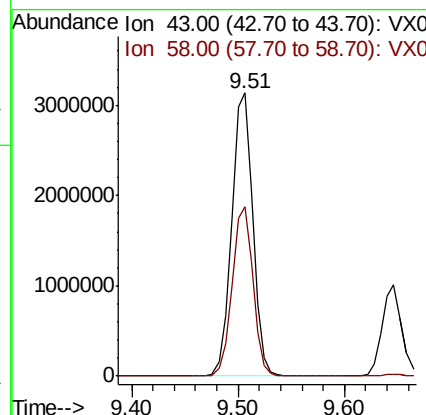
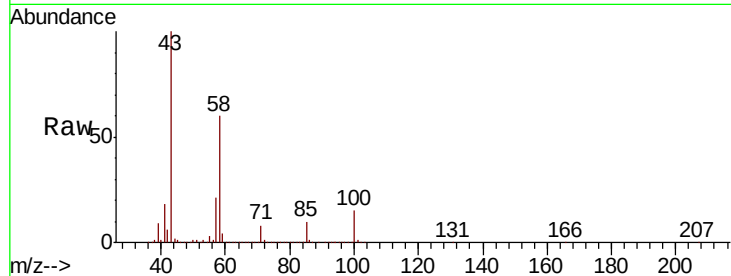
#59
2-Hexanone
Concen: 791.73 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 4354437
Ion Ratio Lower Upper
43 100
58 59.4 29.0 87.0

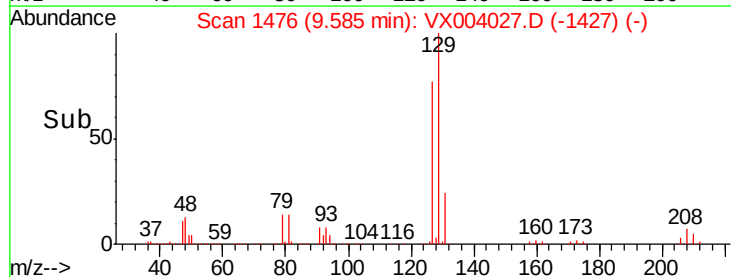
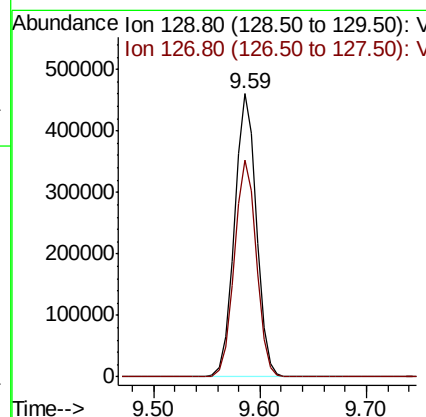
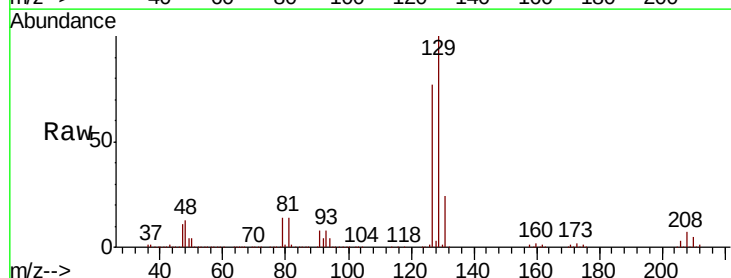
Manual Integrations
APPROVED

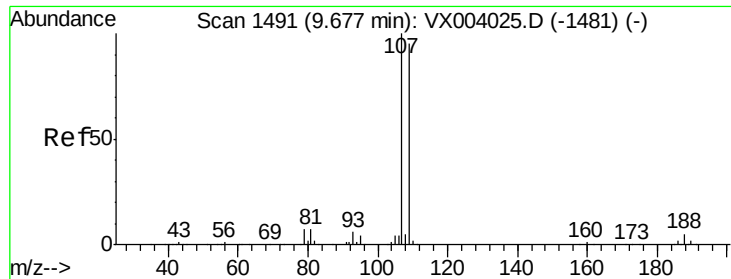
MMDadoda
8/15/2018 4:49:53 PM



#60
Dibromochloromethane
Concen: 171.27 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Tgt Ion: 129 Resp: 663911
Ion Ratio Lower Upper
129 100
127 77.1 38.8 116.3





#61

1,2-Dibromoethane

Concen: 157.28 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 654674

Ion Ratio Lower Upper

107 100

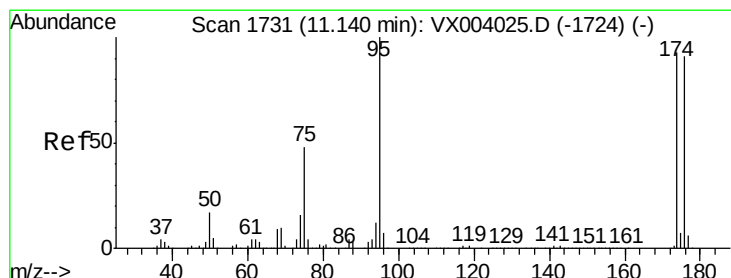
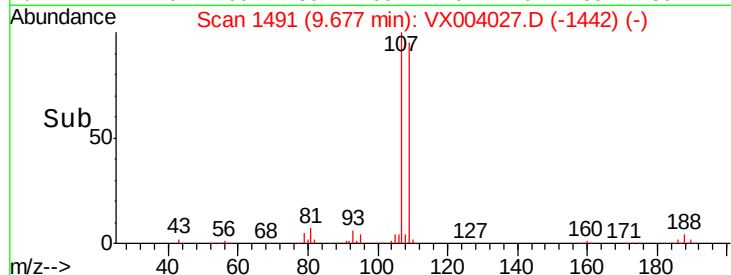
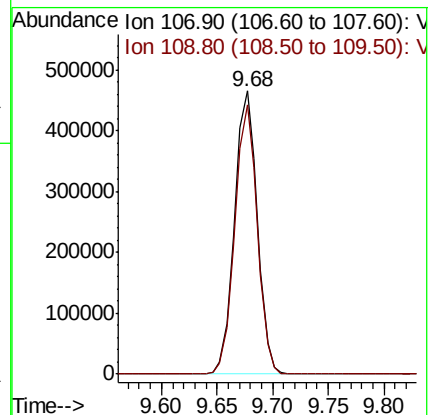
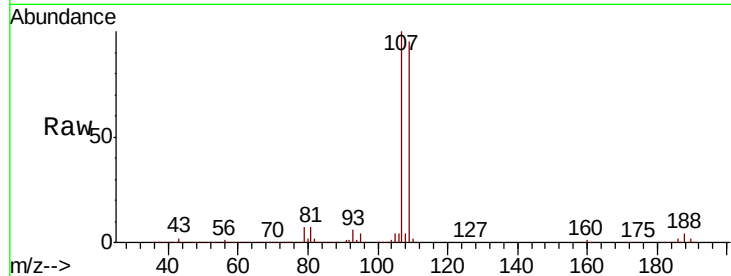
109 94.4 75.8 113.8

Manual Integrations

APPROVED

MMDadoda

8/15/2018 4:49:53 PM



#62

4-Bromofluorobenzene

Concen: 185.56 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

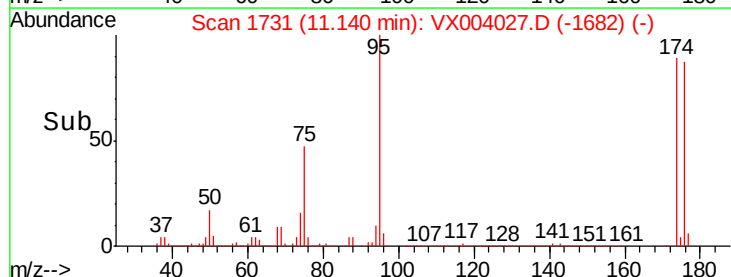
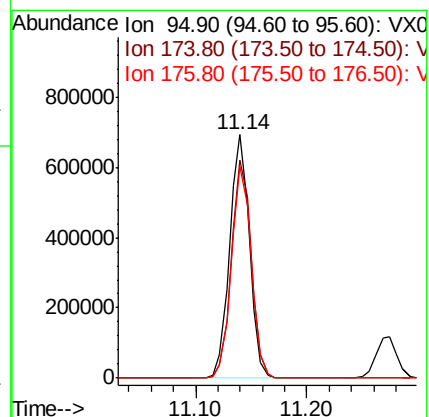
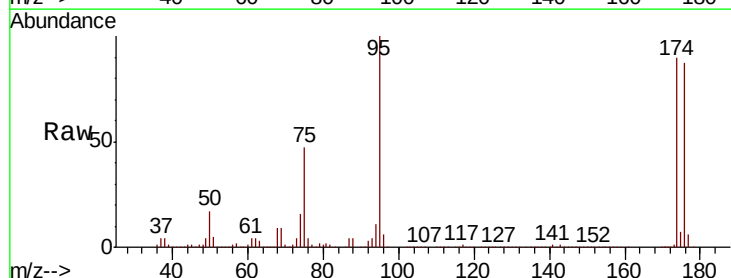
Tgt Ion: 95 Resp: 846901

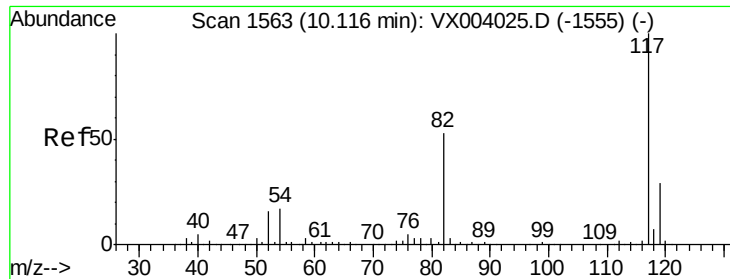
Ion Ratio Lower Upper

95 100

174 90.1 0.0 182.8

176 87.5 0.0 179.0





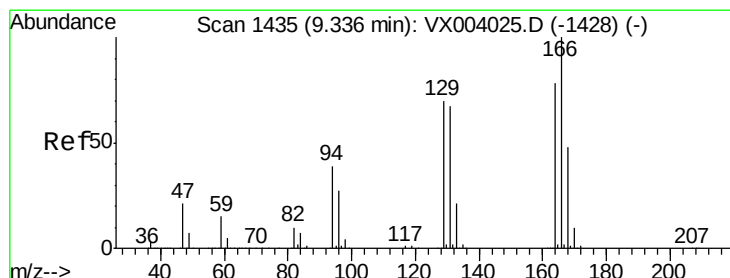
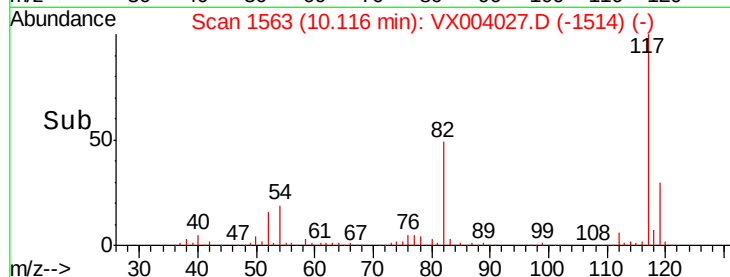
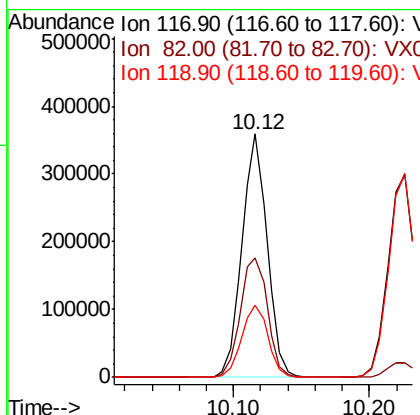
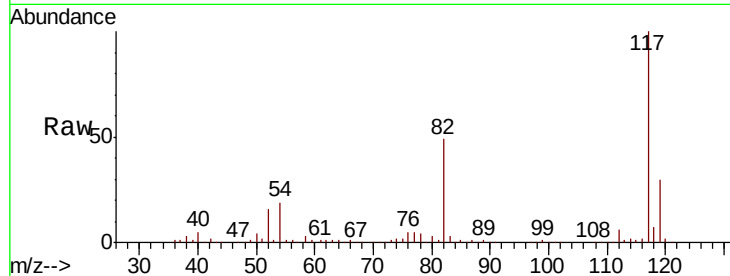
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.2	45.4	68.0
119	29.8	26.6	40.0

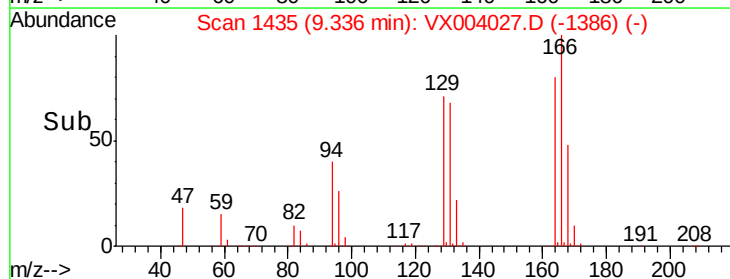
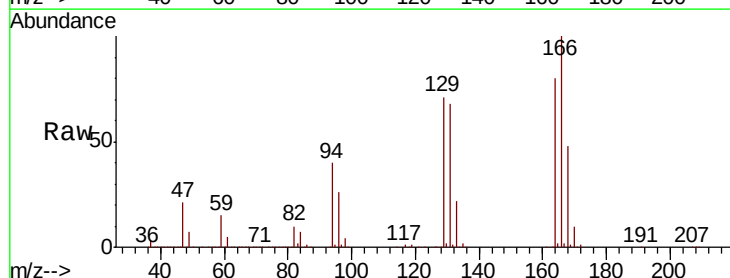
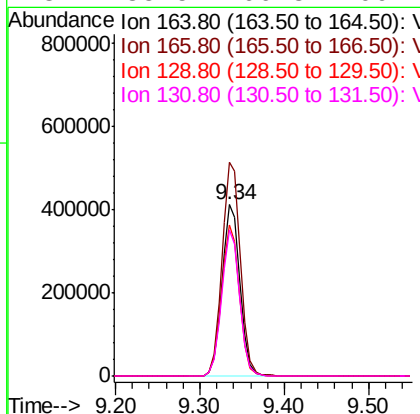
Manual Integrations
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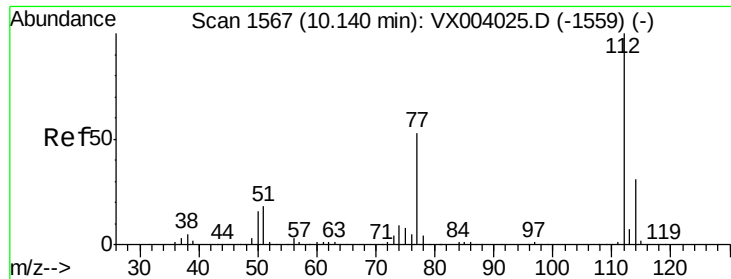
MMDadoda
8/15/2018 4:49:53 PM



#64
Tetrachloroethene
Concen: 133.28 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	98.0	147.0
129	88.1	64.3	96.5
131	85.5	66.8	100.2





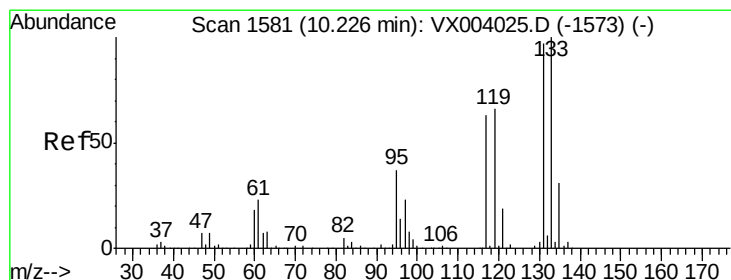
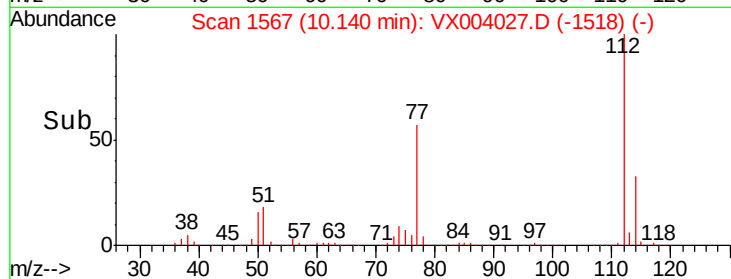
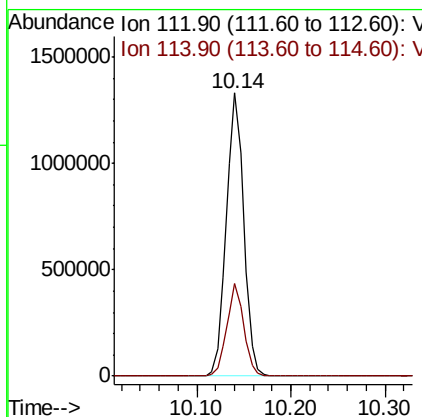
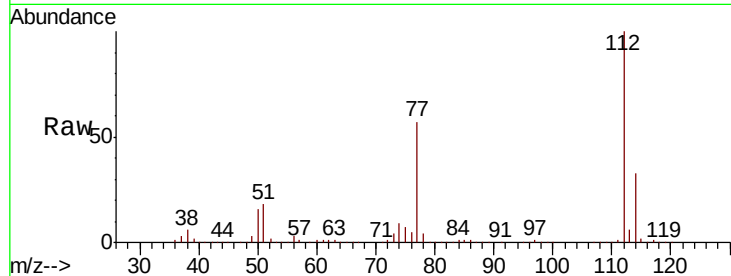
#65
Chlorobenzene
Concen: 142.23 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion:112 Resp: 1713665
Ion Ratio Lower Upper
112 100
114 32.8 23.6 35.4

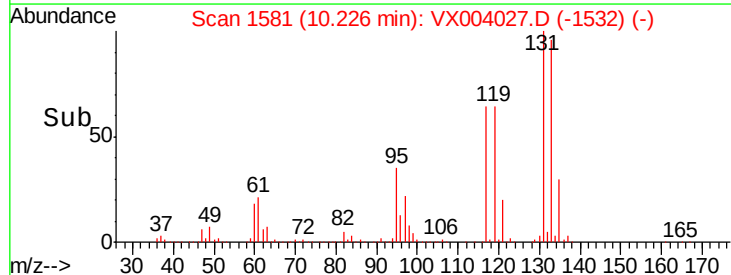
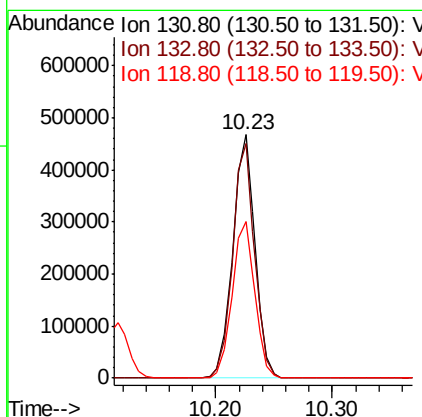
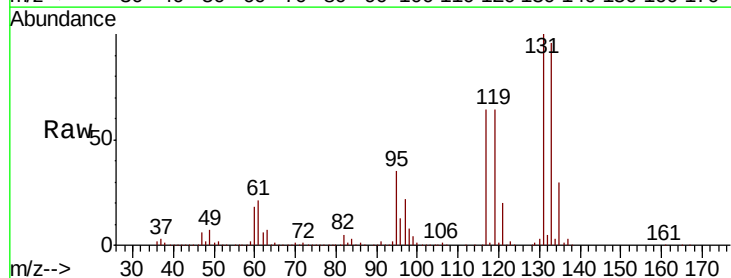
Manual Integrations
APPROVED

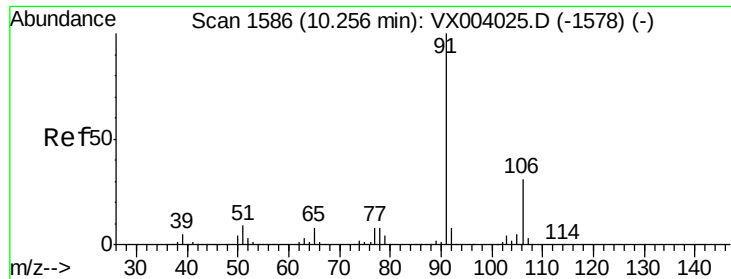
MMDadoda
8/15/2018 4:49:53 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 149.51 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Tgt Ion:131 Resp: 619271
Ion Ratio Lower Upper
131 100
133 95.2 47.3 141.8
119 65.6 31.6 94.8





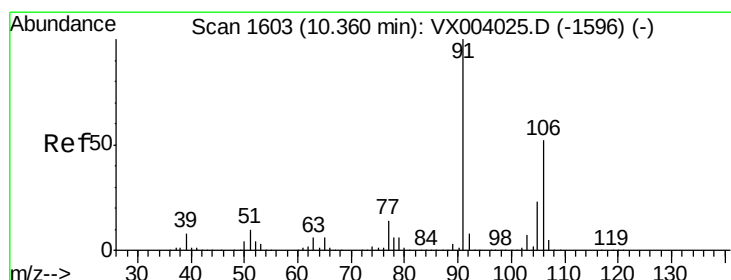
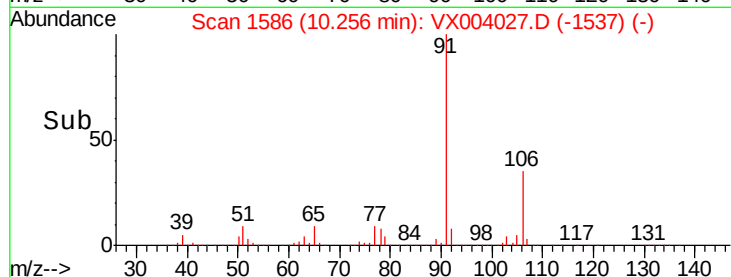
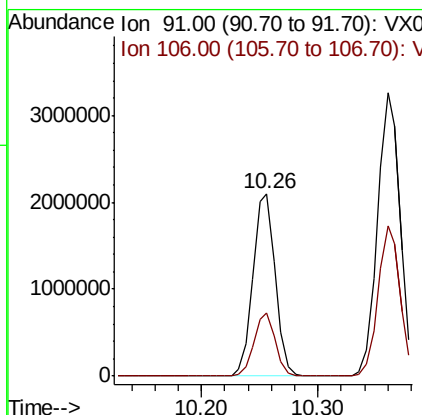
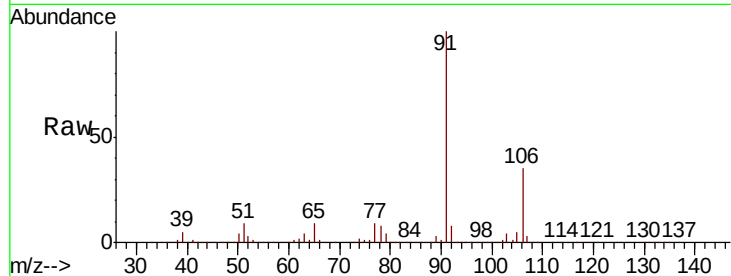
#67
Ethyl Benzene
Concen: 142.10 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2802626
Ion Ratio Lower Upper
91 100
106 34.8 25.9 38.9

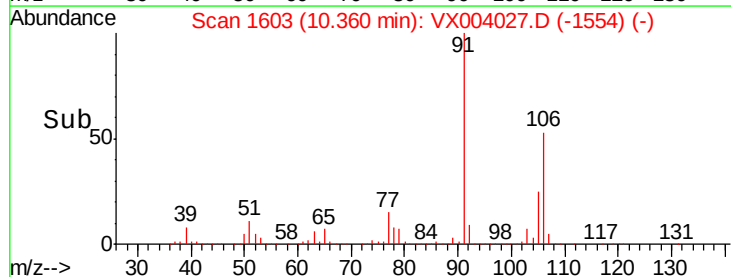
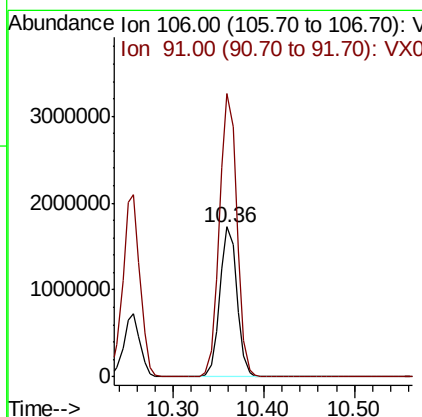
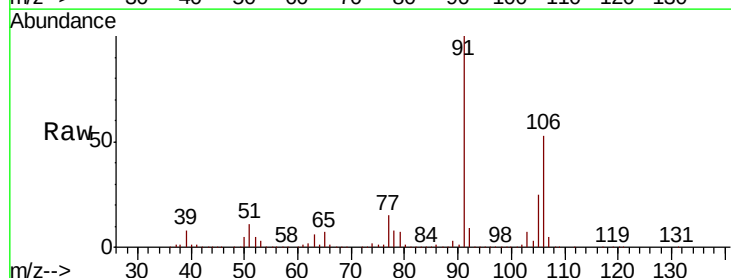
Manual Integrations
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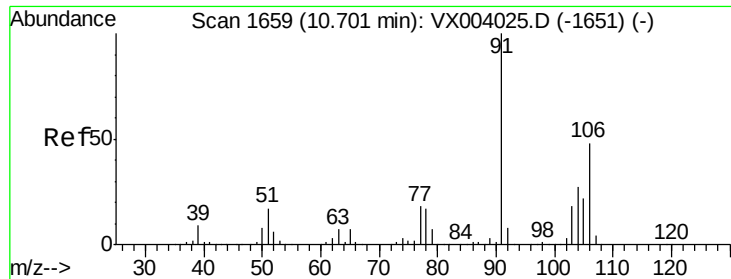
MMDadoda
8/15/2018 4:49:53 PM



#68
m/p-Xylenes
Concen: 295.75 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Tgt Ion: 106 Resp: 2279222
Ion Ratio Lower Upper
106 100
91 192.9 162.3 243.5





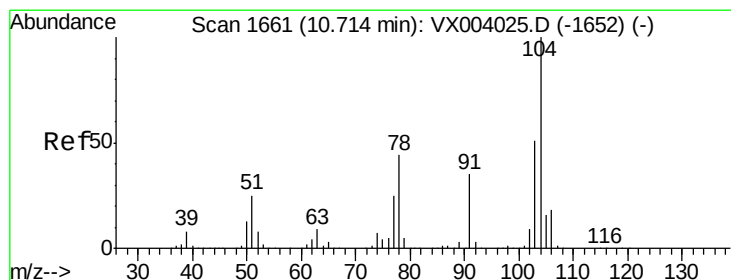
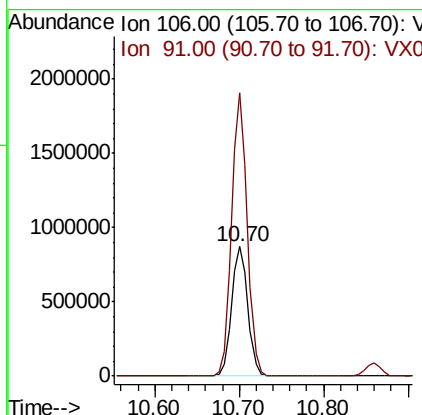
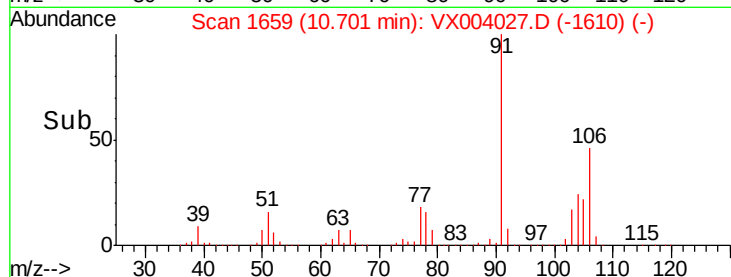
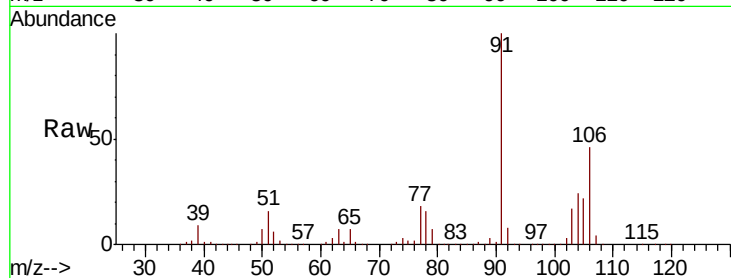
#69
o-Xylene
Concen: 156.40 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 1137816
Ion Ratio Lower Upper
106 100
91 211.4 101.9 305.7

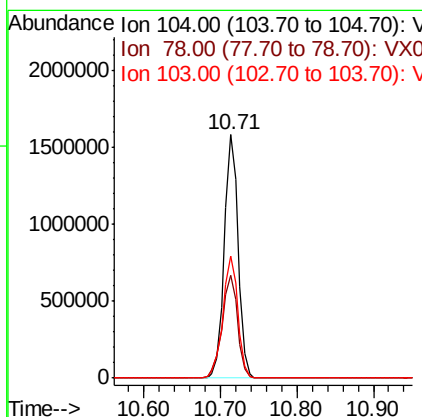
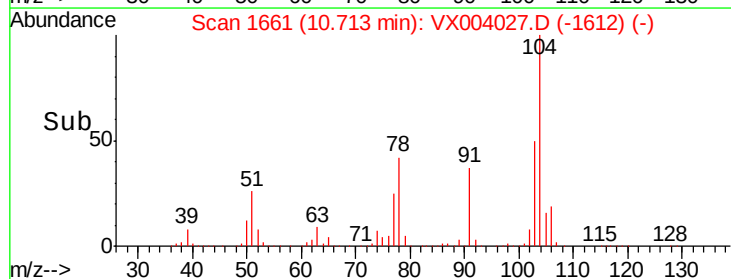
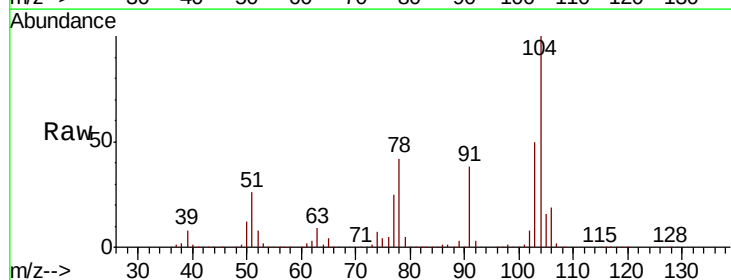
Manual Integrations
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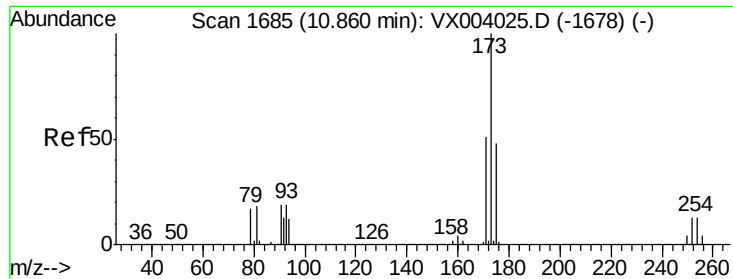
MMDadoda
8/15/2018 4:49:53 PM



#70
Styrene
Concen: 165.96 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Tgt Ion:104 Resp: 1976716
Ion Ratio Lower Upper
104 100
78 47.3 39.8 59.6
103 54.3 44.3 66.5





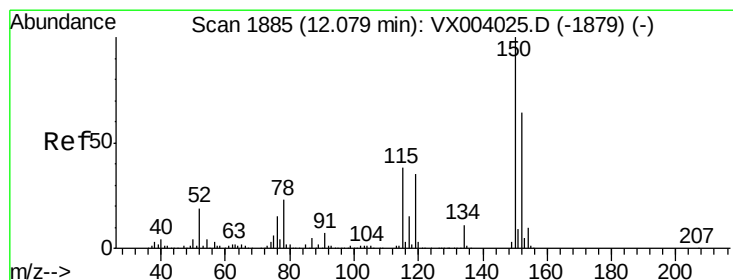
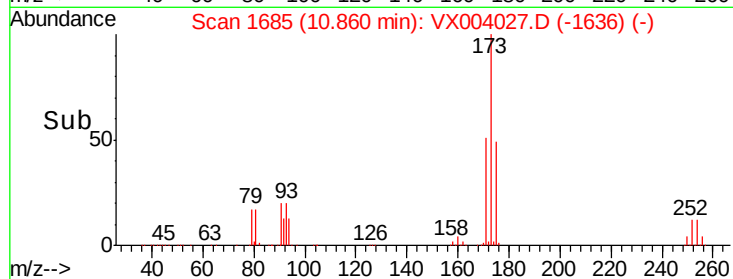
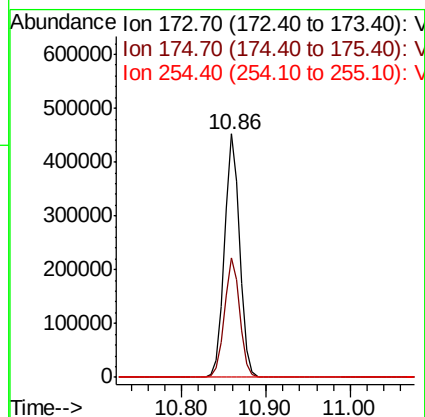
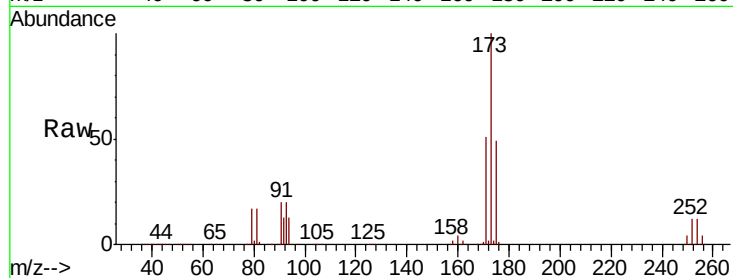
#71
Bromoform
Concen: 182.25 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.9	74.7
254	0.2	0.2	0.2

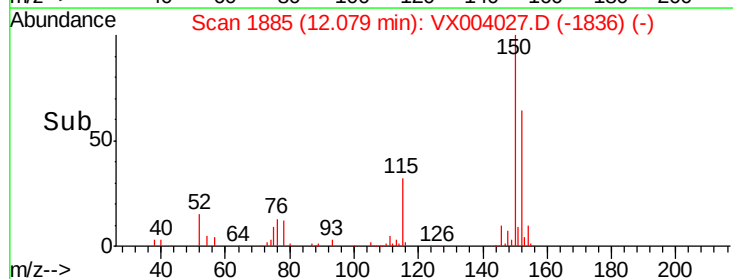
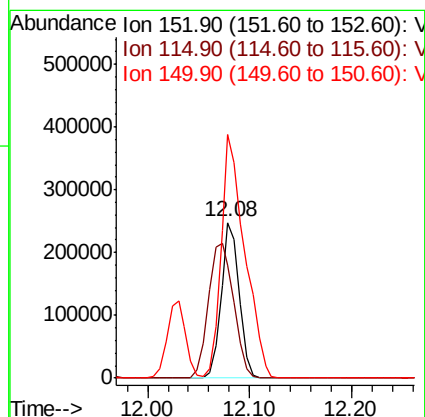
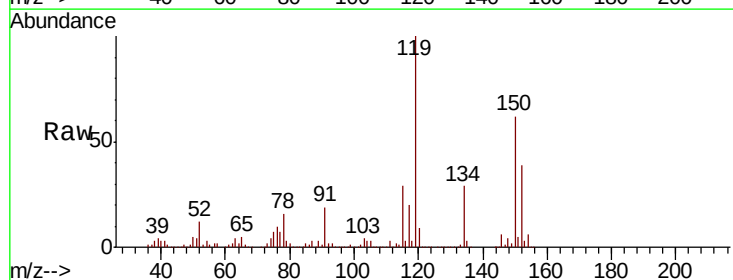
Manual Integrations
APPROVED

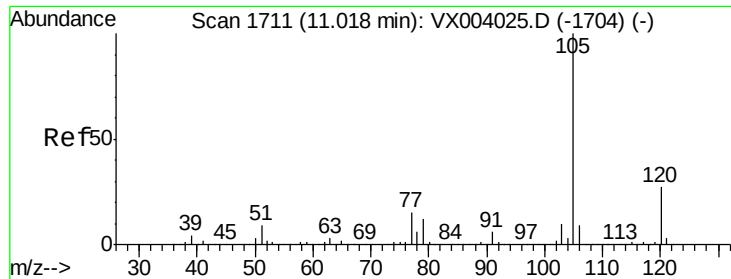
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	121.3	39.1	117.3#
150	205.1	0.0	349.2





#73

Isopropylbenzene

Concen: 134.50 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3034637

Ion Ratio Lower Upper

105 100

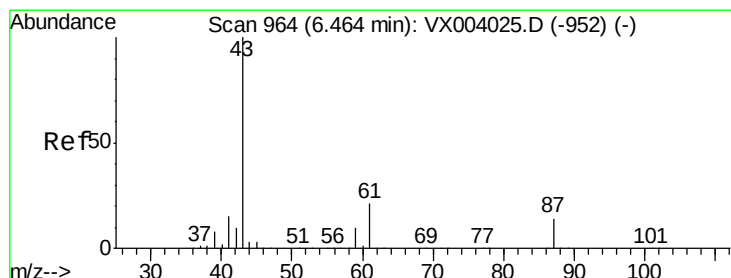
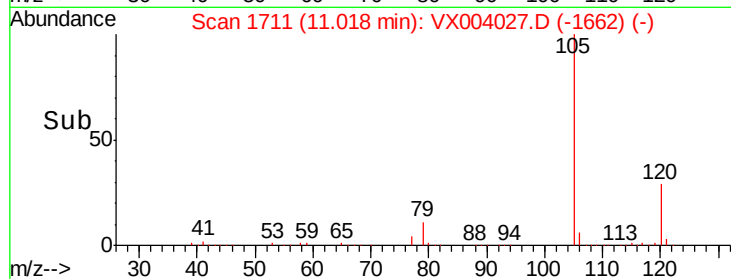
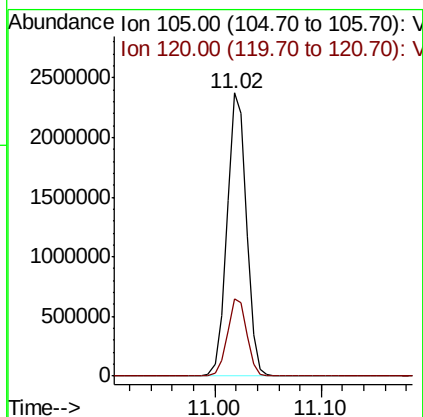
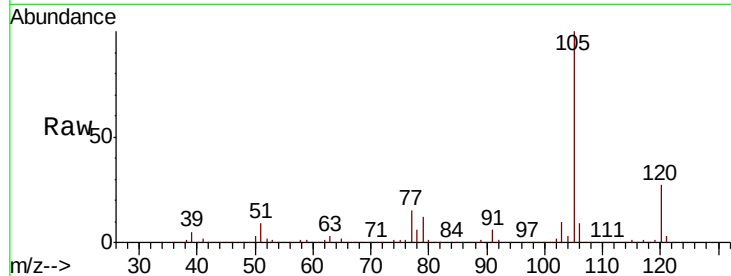
120 27.3 12.6 37.8

Manual Integrations

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8/15/2018 4:49:53 PM



#74

N-ethyl acetate

Concen: 116.62 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

Tgt Ion: 43 Resp: 1368261

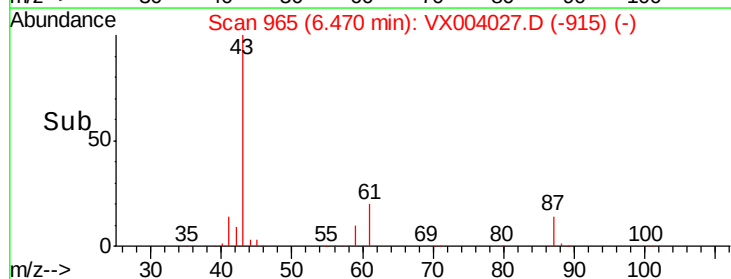
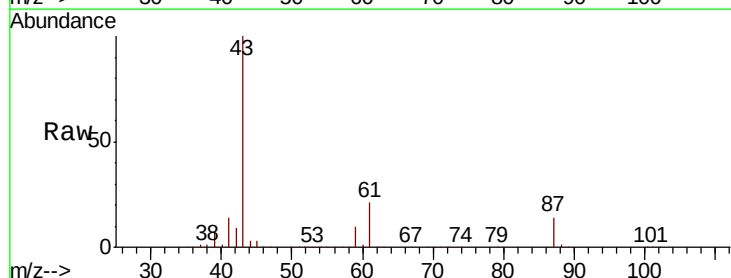
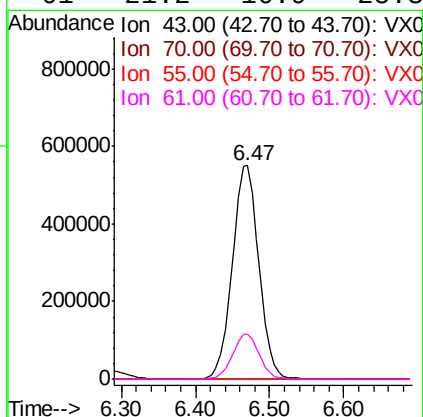
Ion Ratio Lower Upper

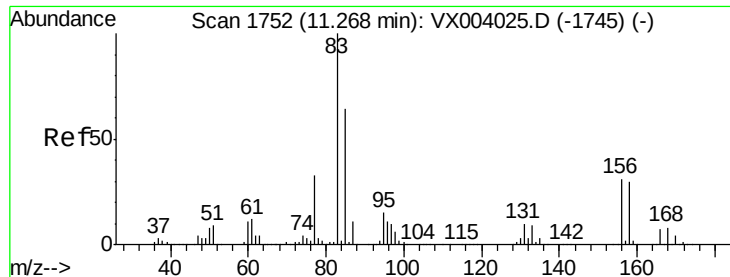
43 100

70 0.0 0.0 0.0#

55 0.1 0.1 0.1#

61 21.2 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 132.10 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1021471

Ion Ratio Lower Upper

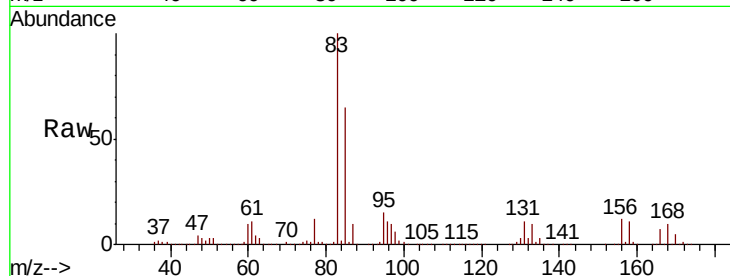
83 100

131 10.4 5.2 15.6

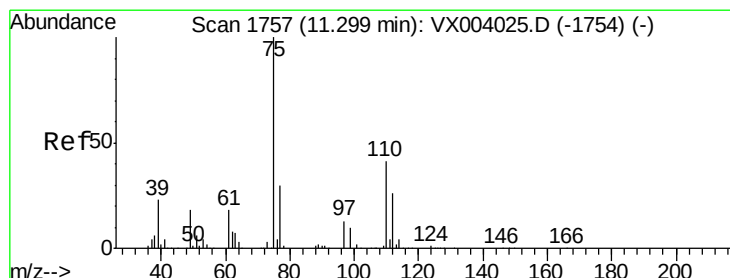
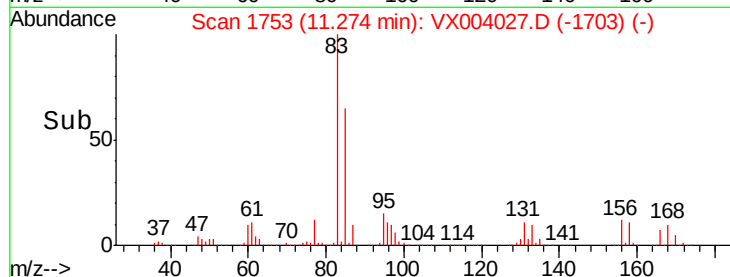
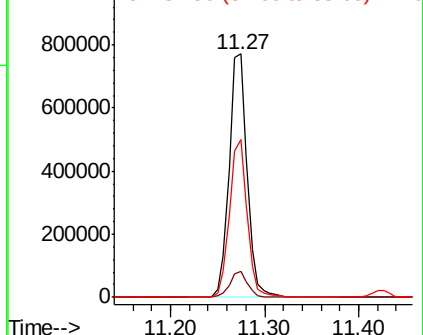
85 64.0 32.2 96.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 127.56 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004027.D

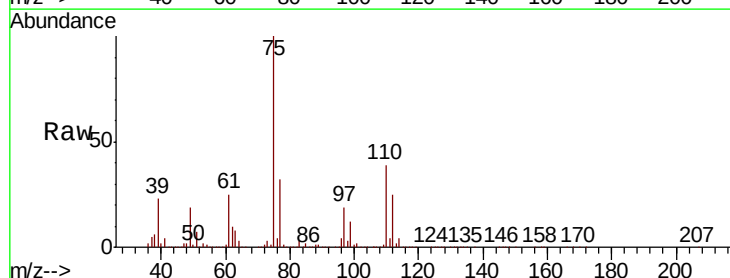
Acq: 14 Aug 2018 12:54

Tgt Ion: 75 Resp: 859308

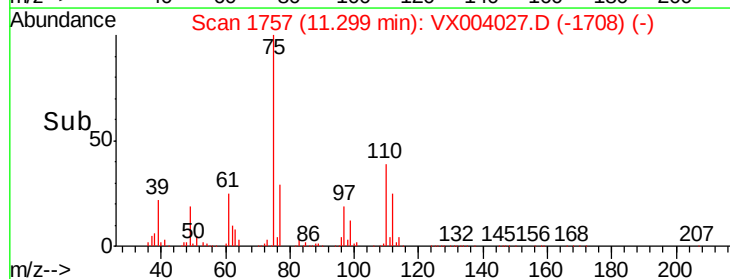
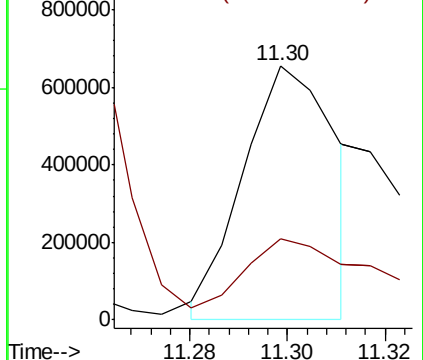
Ion Ratio Lower Upper

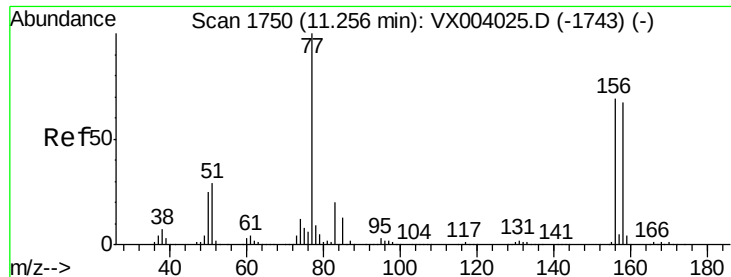
75 100

77 45.0 20.8 62.5



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 136.36 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 820702

Ion Ratio Lower Upper

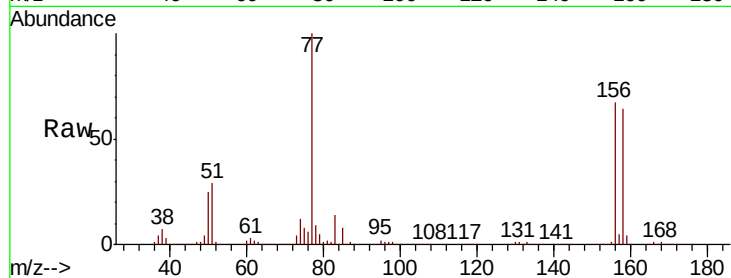
156 100

77 146.0 74.1 222.2

158 97.5 48.6 145.9

Manual Integrations
APPROVED

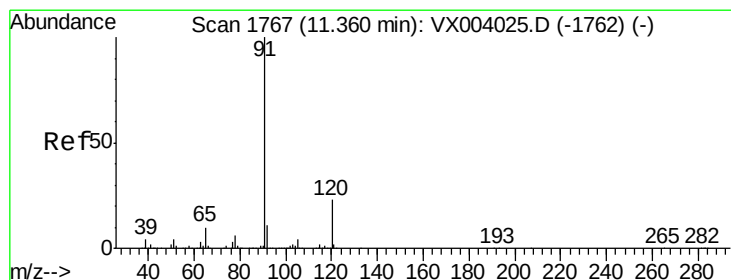
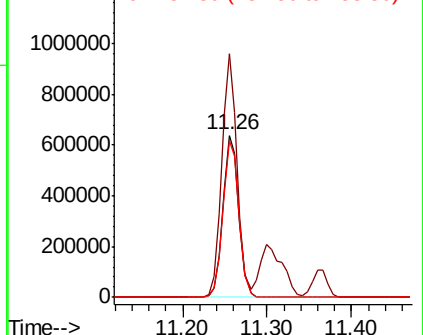
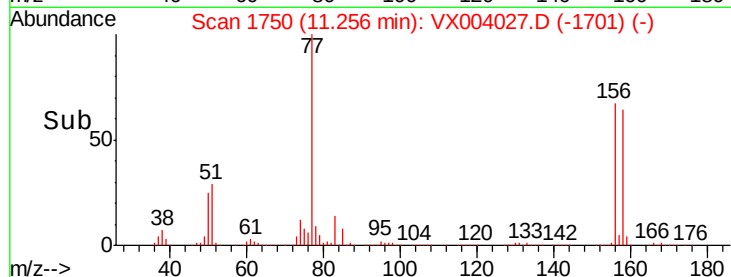
MMDadoda
8/15/2018 4:49:53 PM



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: 135.24 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004027.D

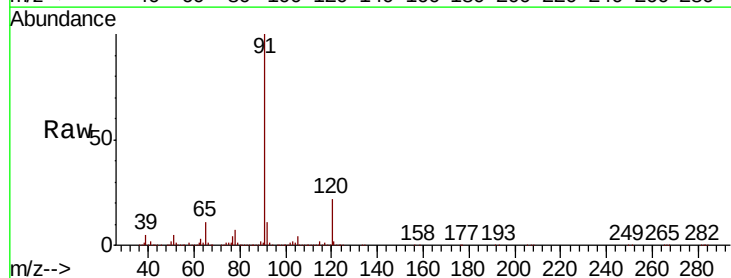
Acq: 14 Aug 2018 12:54

Tgt Ion: 91 Resp: 3426383

Ion Ratio Lower Upper

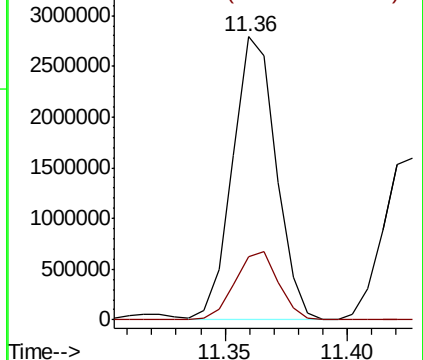
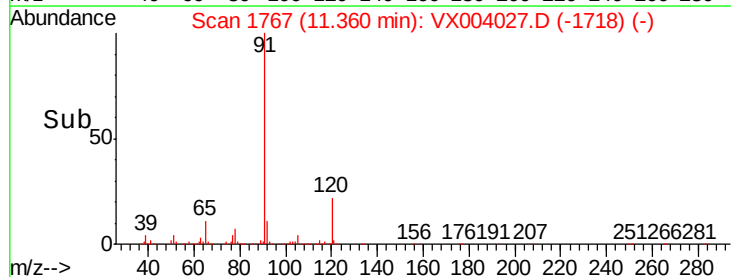
91 100

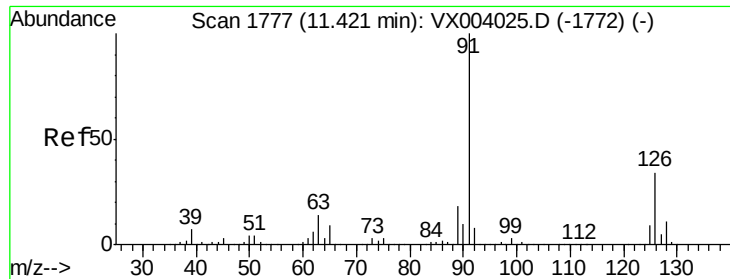
120 24.4 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





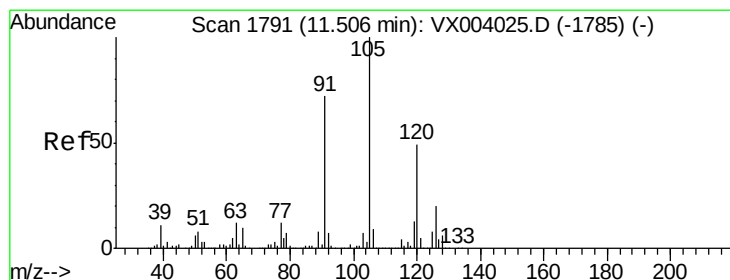
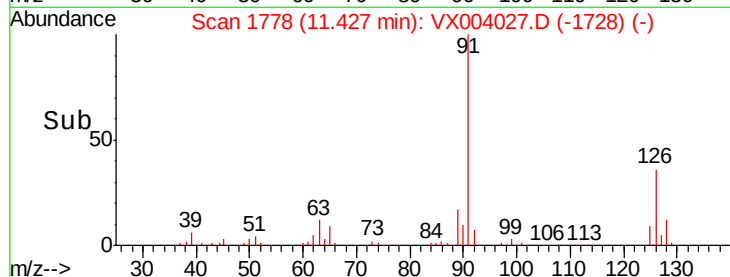
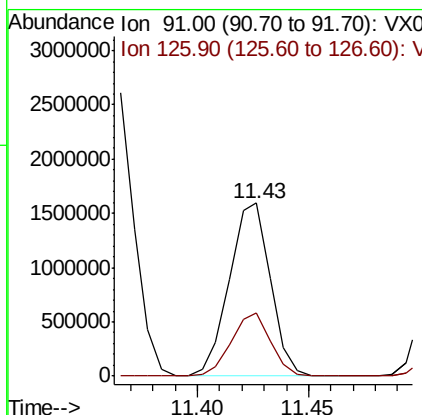
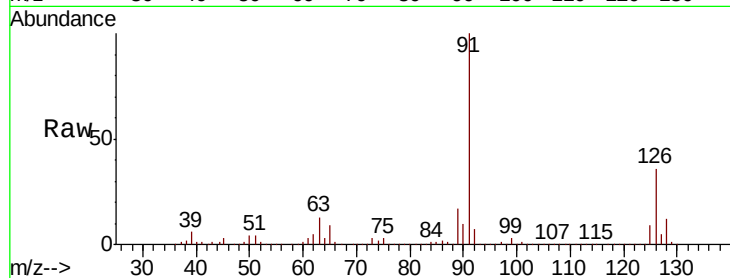
#79
 2-Chlorotoluene
 Concen: 132.16 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.01 min
 Lab File: VX004027.D
 Acq: 14 Aug 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 2041535
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.4 52.3

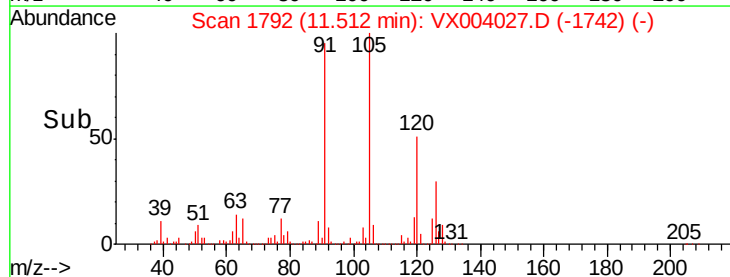
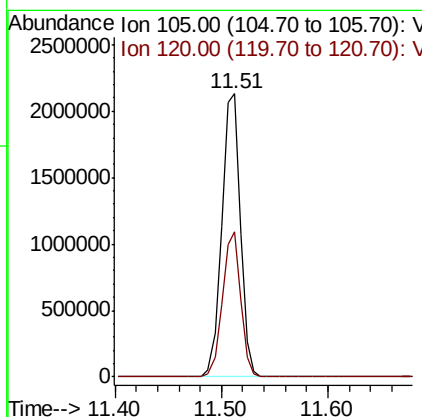
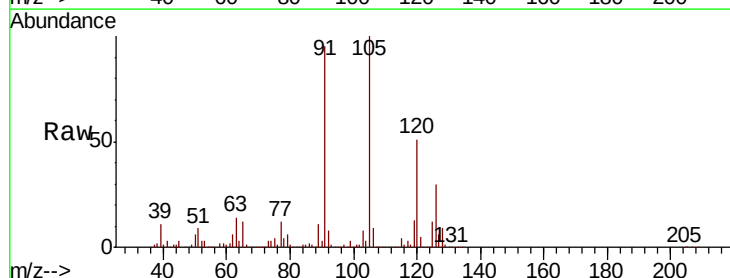
Manual Integrations
 APPROVED

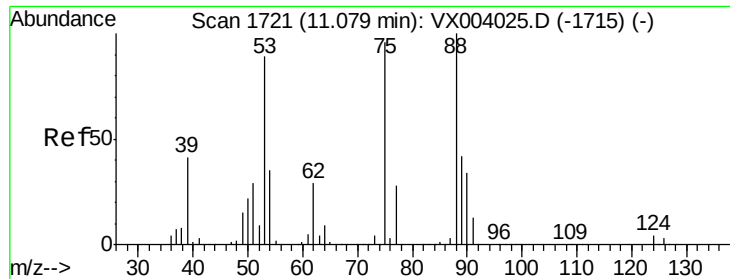
MMDadoda
 8/15/2018 4:49:53 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 141.33 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX004027.D
 Acq: 14 Aug 2018 12:54

Tgt Ion: 105 Resp: 2600121
 Ion Ratio Lower Upper
 105 100
 120 50.1 25.4 76.2





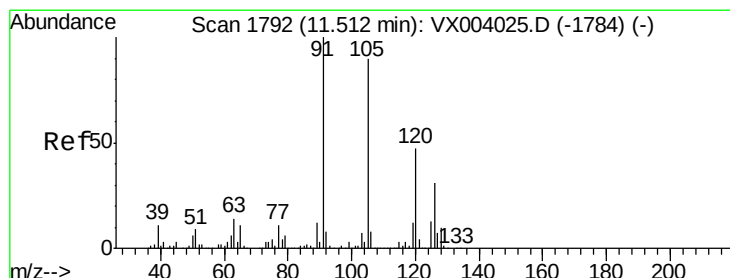
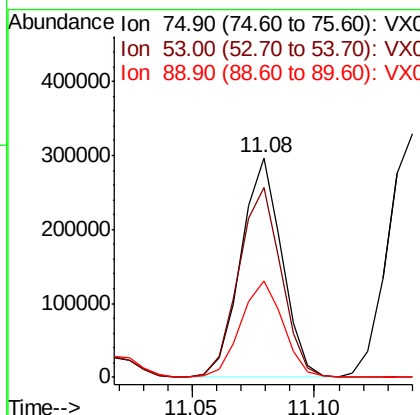
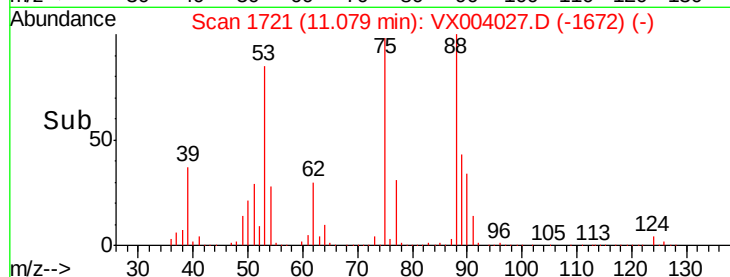
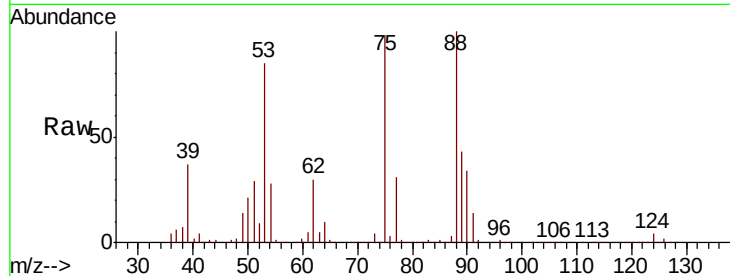
#81
trans-1,4-Dichloro-2-butene
Concen: 156.34 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.9	80.3	120.5
89	45.2	37.8	56.8

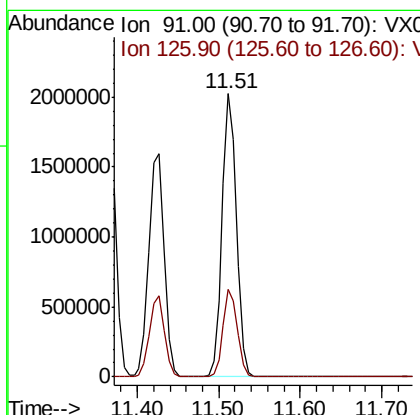
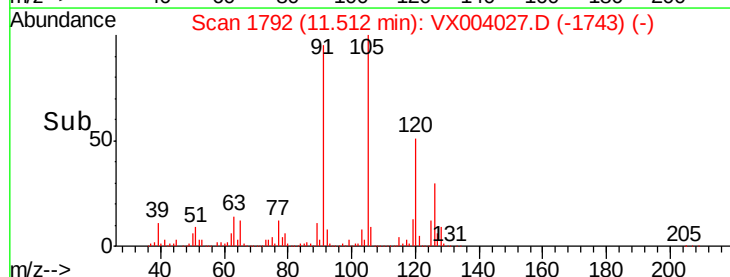
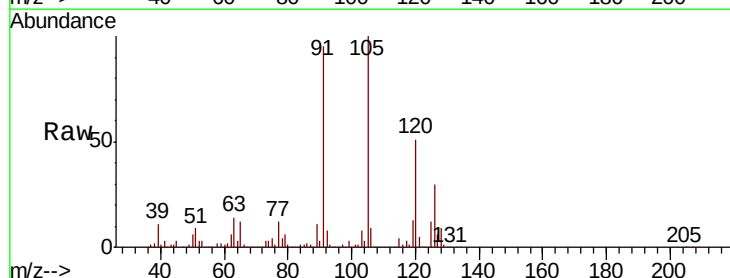
Manual Integrations
APPROVED

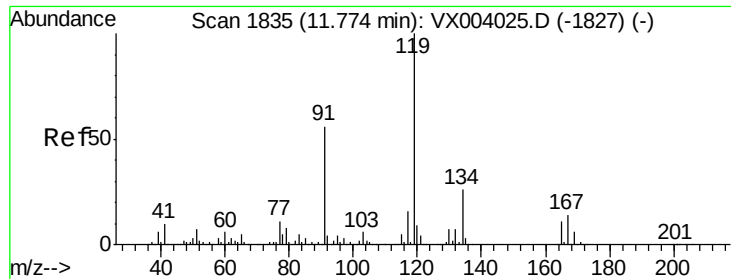
MMDadoda
8/15/2018 4:49:53 PM



#82
4-Chlorotoluene
Concen: 138.16 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.6	46.7





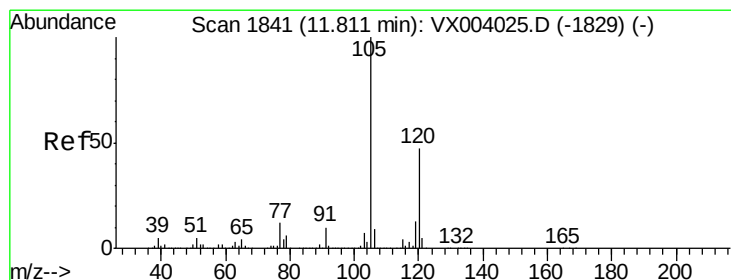
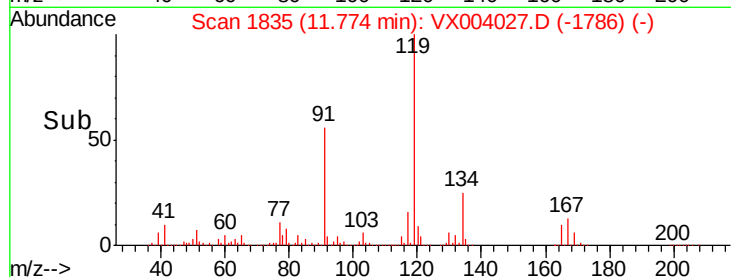
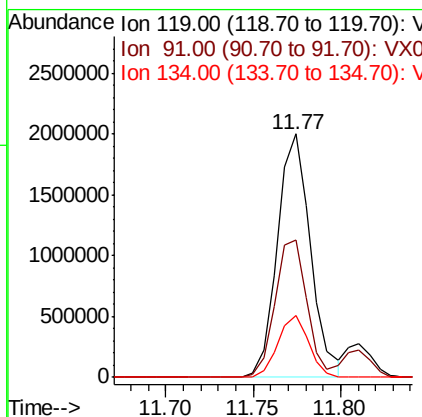
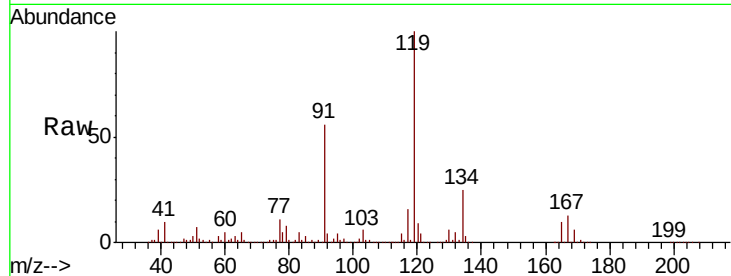
#83
 tert-Butylbenzene
 Concen: 145.71 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004027.D
 Acq: 14 Aug 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 2637179
 Ion Ratio Lower Upper
 119 100
 91 54.0 26.9 80.7
 134 23.9 12.0 36.0

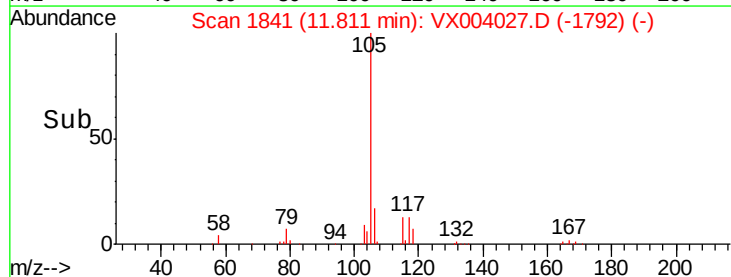
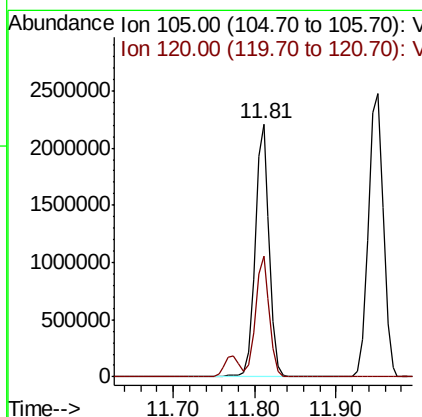
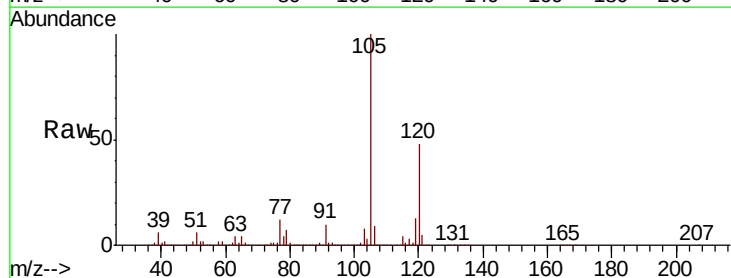
Manual Integrations
 APPROVED

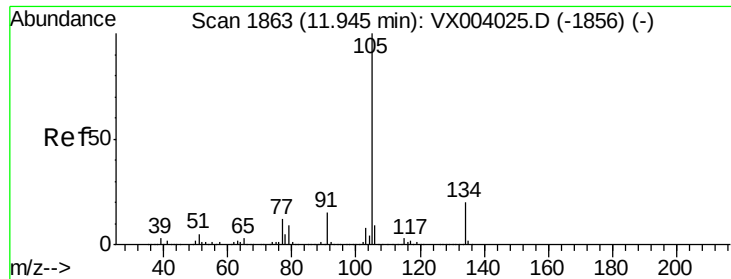
MMDadoda
 8/15/2018 4:49:53 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 144.39 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004027.D
 Acq: 14 Aug 2018 12:54

Tgt Ion:105 Resp: 2671048
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.1 69.2





#85

sec-Butylbenzene

Concen: 143.90 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.01 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 3073685

Ion Ratio Lower Upper

105 100

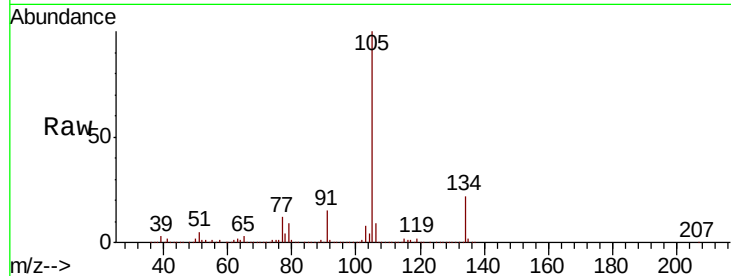
134 21.3 10.3 30.9

Manual Integrations

APPROVED

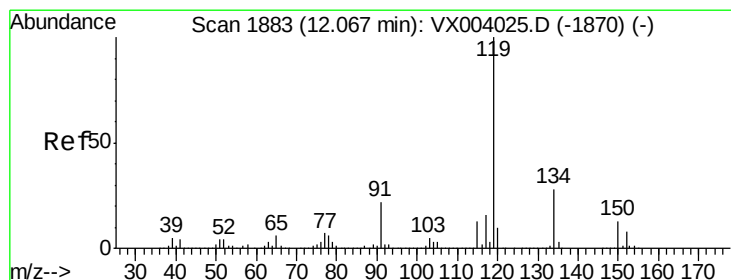
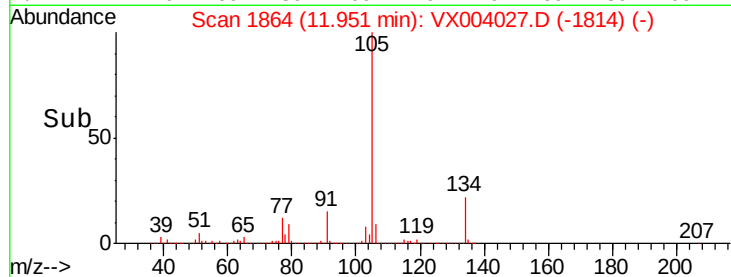
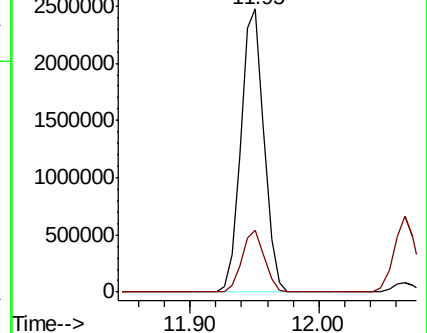
MMDadoda

8/15/2018 4:49:53 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 147.23 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

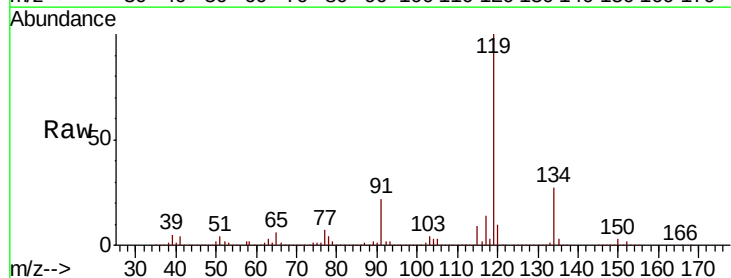
Tgt Ion:119 Resp: 2821825

Ion Ratio Lower Upper

119 100

134 27.1 13.3 39.8

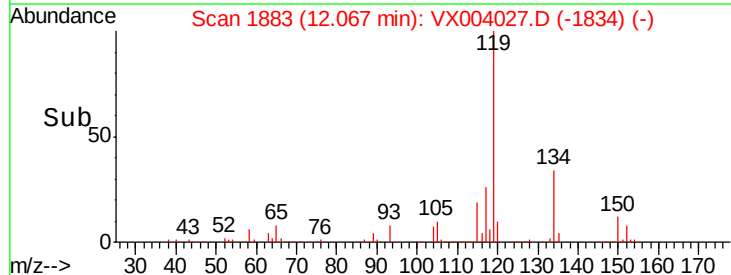
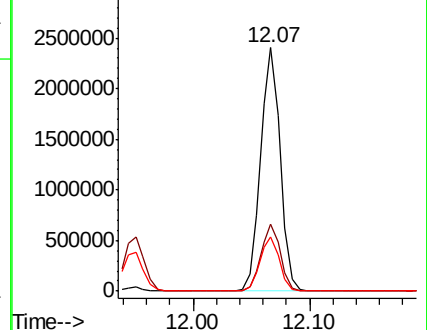
91 22.2 10.9 32.7

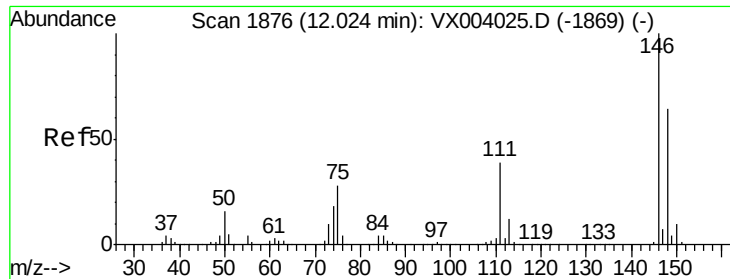


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





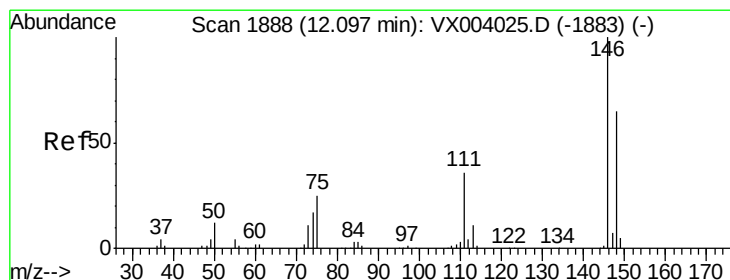
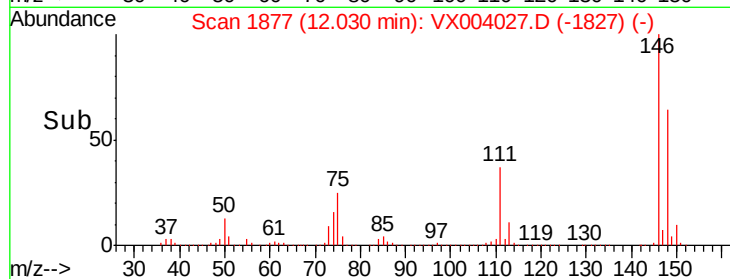
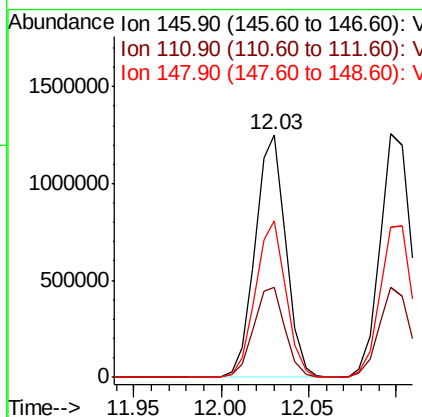
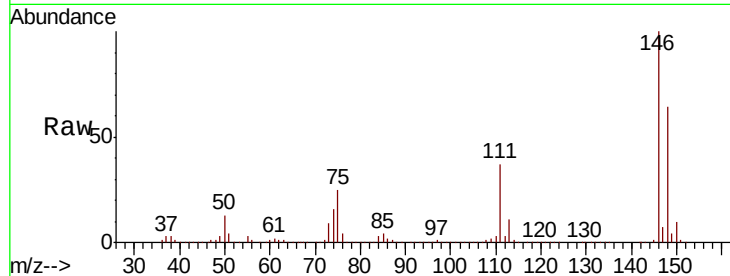
#87
 1,3-Dichlorobenzene
 Concen: 138.05 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VX004027.D
 Acq: 14 Aug 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1535928
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.8 56.4
 148 64.1 31.9 95.5

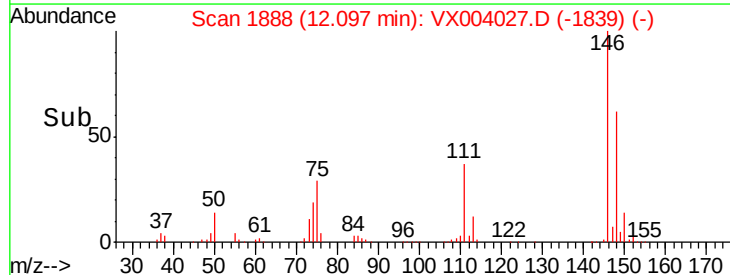
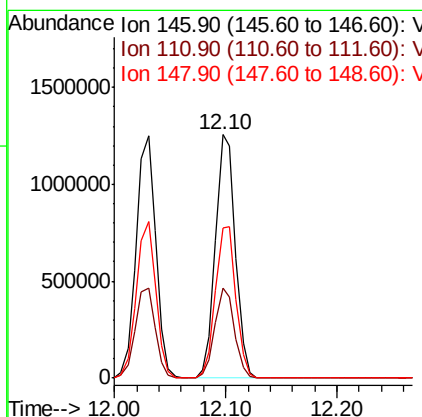
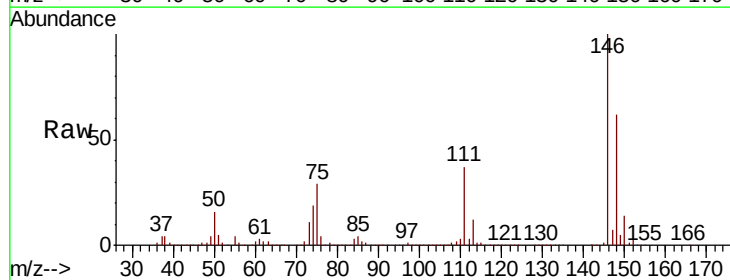
Manual Integrations
 APPROVED

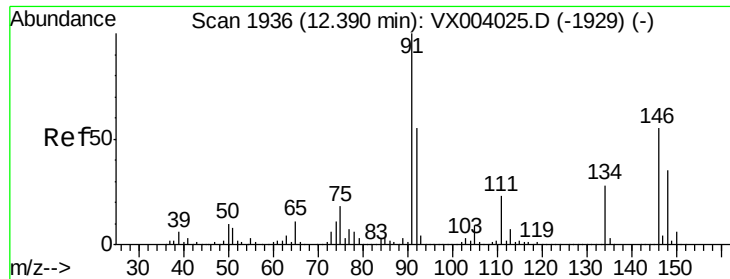
MMDadoda
 8/15/2018 4:49:53 PM



#88
 1,4-Dichlorobenzene
 Concen: 135.12 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004027.D
 Acq: 14 Aug 2018 12:54

Tgt Ion:146 Resp: 1559589
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.4 55.0
 148 63.7 32.3 96.8





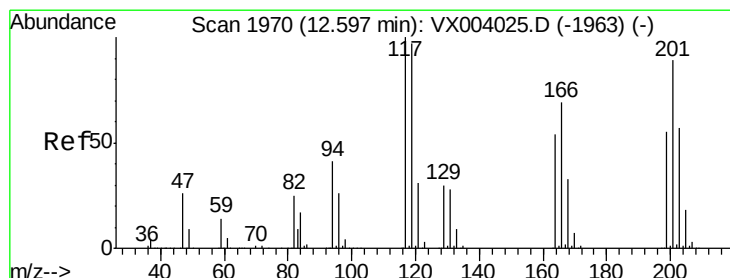
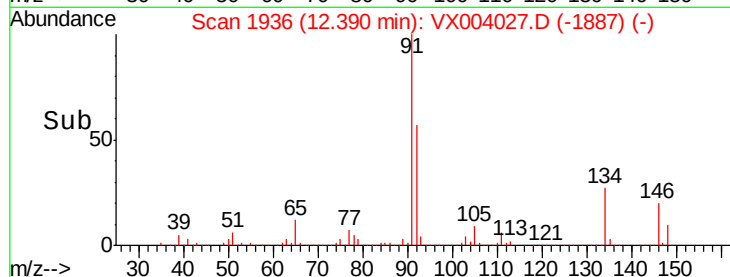
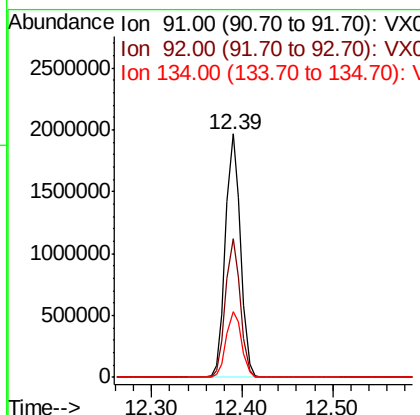
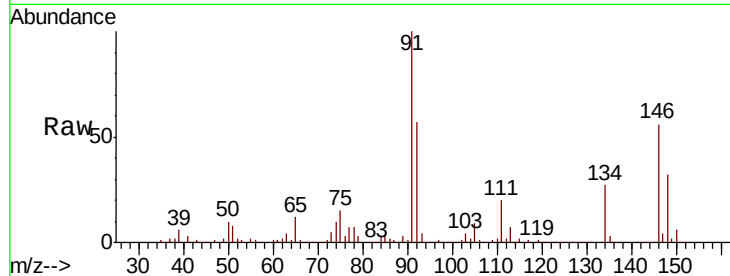
#89
n-Butylbenzene
Concen: 135.09 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2256212
Ion Ratio Lower Upper
91 100
92 55.9 27.1 81.3
134 27.6 13.6 40.7

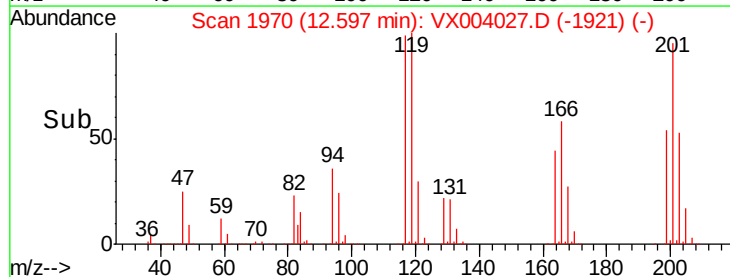
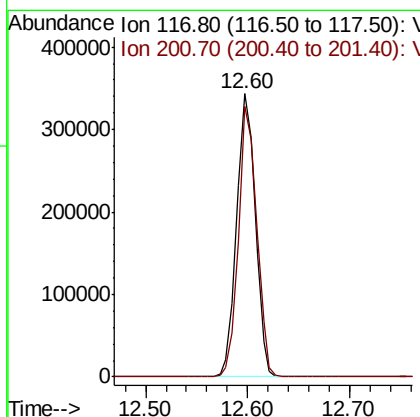
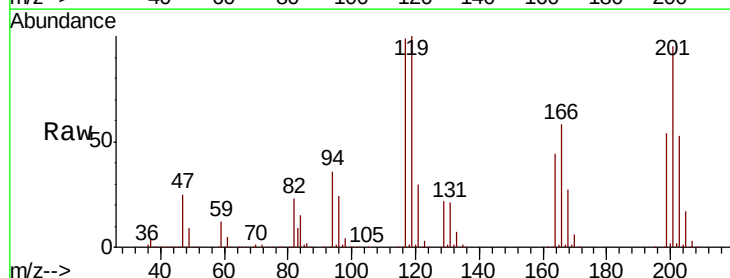
Manual Integrations
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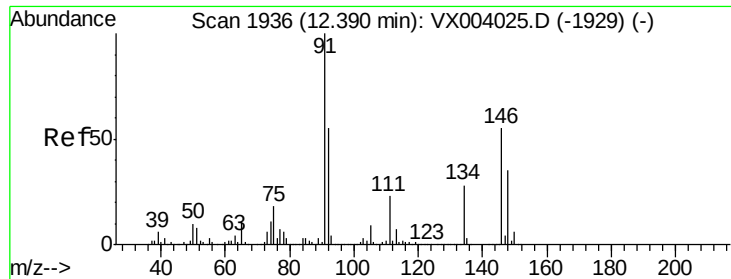
MMDadoda
8/15/2018 4:49:53 PM



#90
Hexachloroethane
Concen: 138.28 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004027.D
Acq: 14 Aug 2018 12:54

Tgt Ion: 117 Resp: 430326
Ion Ratio Lower Upper
117 100
201 93.3 46.1 138.2





#91

1,2-Dichlorobenzene

Concen: 130.37 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.01 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1437750

Ion Ratio Lower Upper

146 100

111 37.5 19.7 59.0

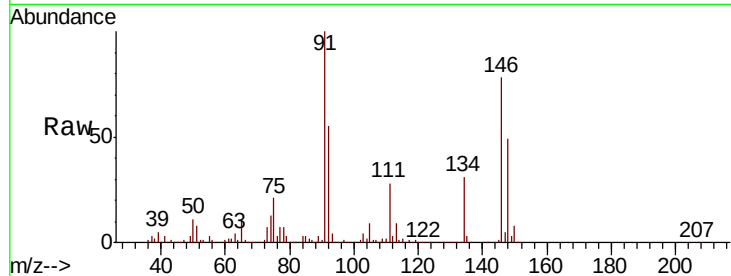
148 62.0 31.9 95.5

Manual Integrations

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MMDadoda

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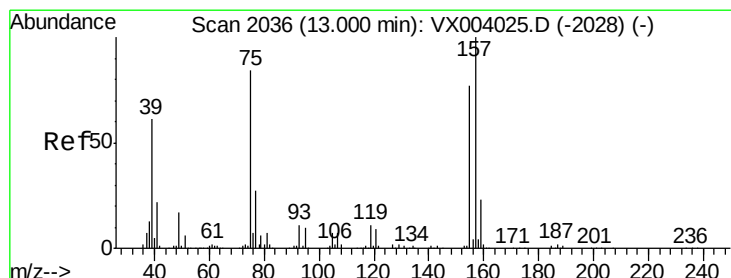
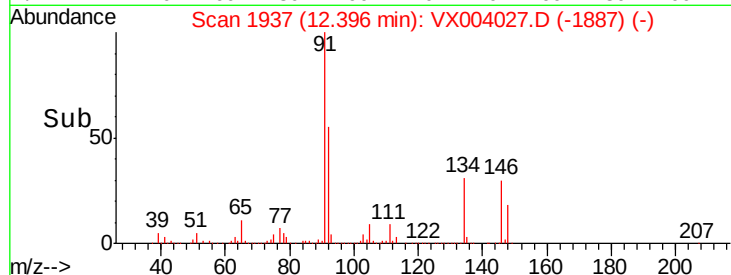
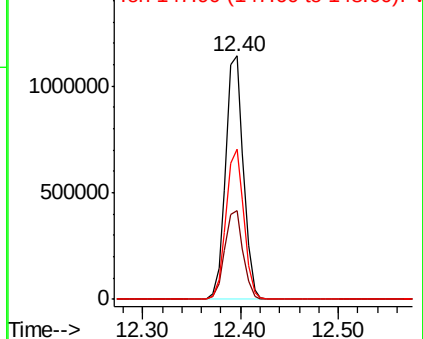


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 125.48 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

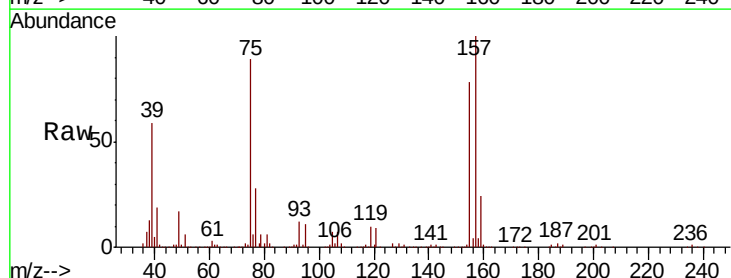
Tgt Ion: 75 Resp: 198782

Ion Ratio Lower Upper

75 100

155 96.8 48.7 146.1

157 124.6 62.6 187.8

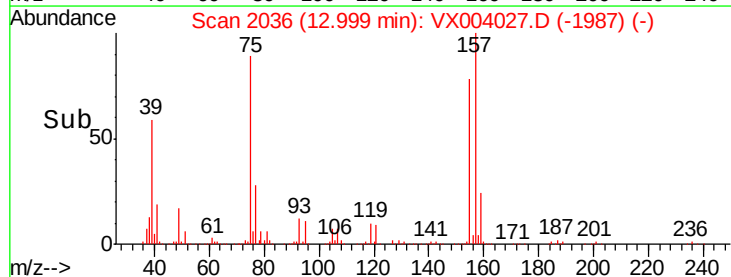
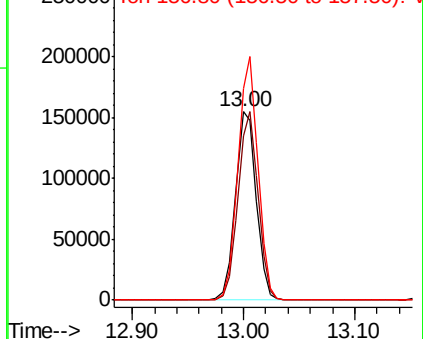


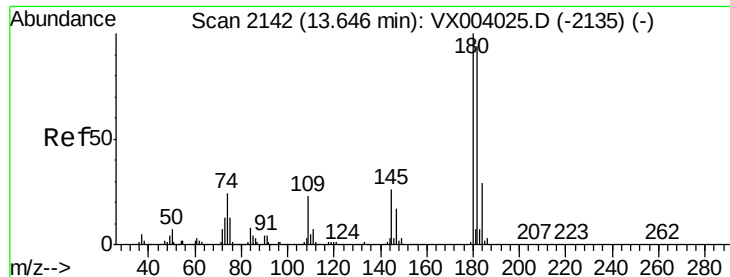
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





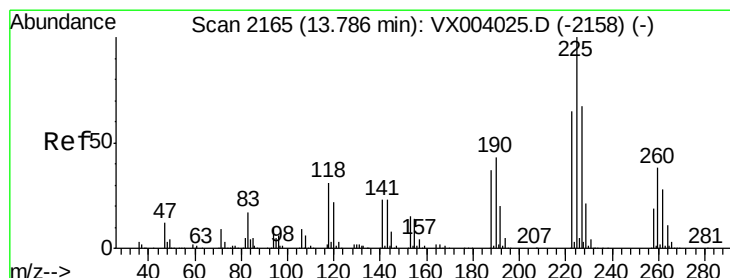
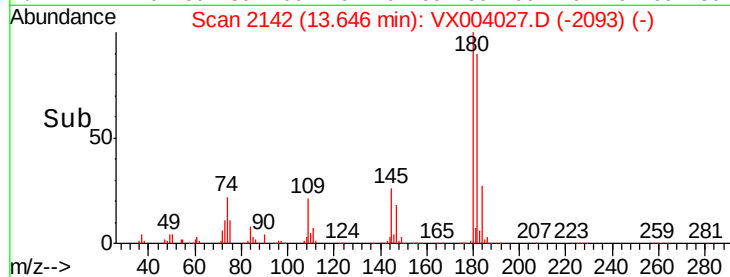
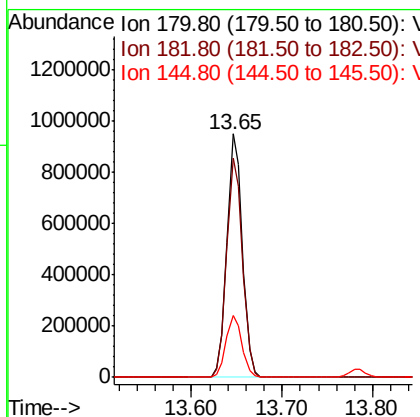
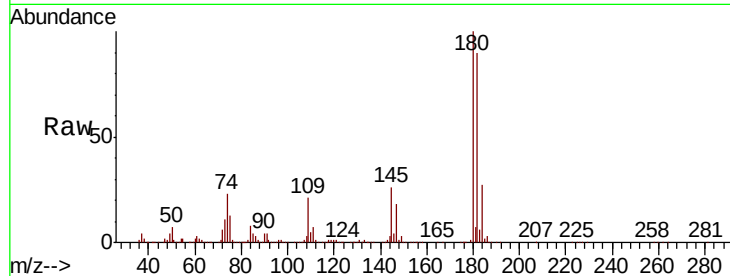
#93
 1,2,4-Trichlorobenzene
 Concen: 140.63 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004027.D
 Acq: 14 Aug 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.7	143.1
145	26.7	13.9	41.6

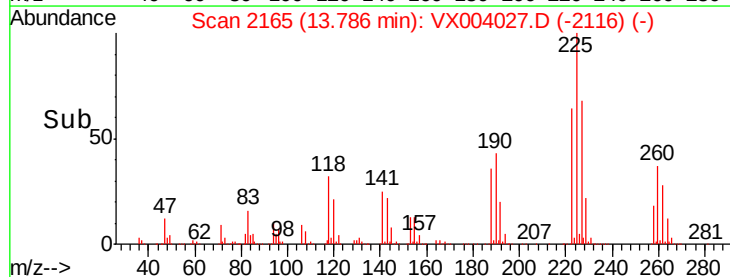
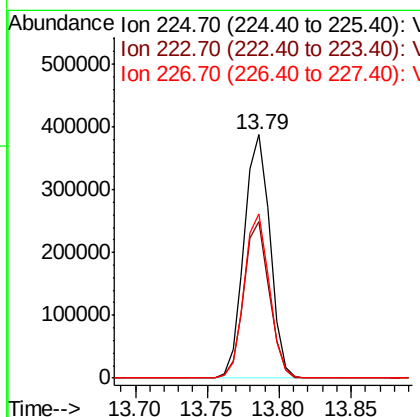
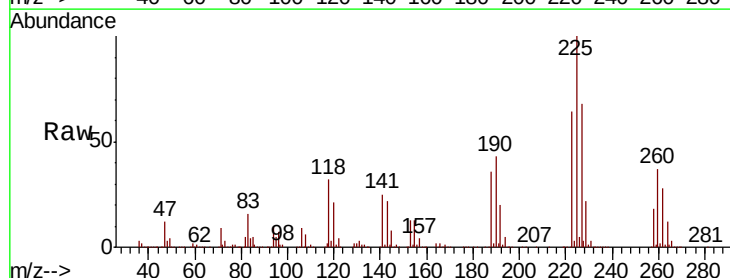
Manual Integrations
 APPROVED

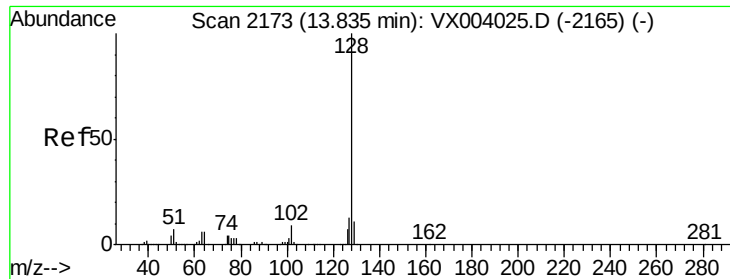
MMDadoda
 8/15/2018 4:49:53 PM



#94
 Hexachlorobutadiene
 Concen: 129.83 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004027.D
 Acq: 14 Aug 2018 12:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.4	94.0
227	65.4	32.1	96.5





#95

Naphthalene

Concen: 143.39 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 3257322

Ion Ratio Lower Upper

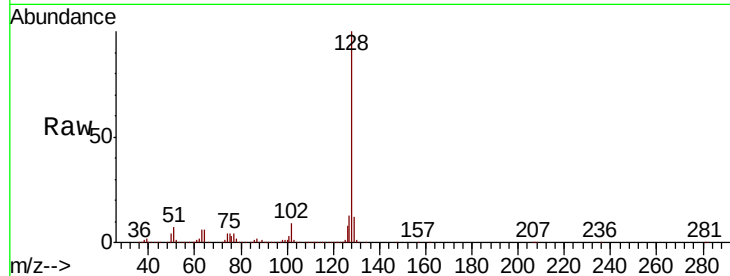
128 100

127 13.0 10.2 15.2

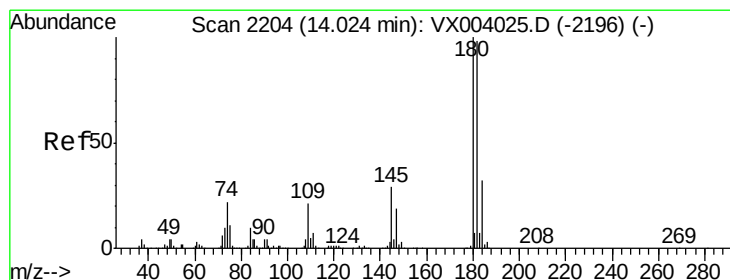
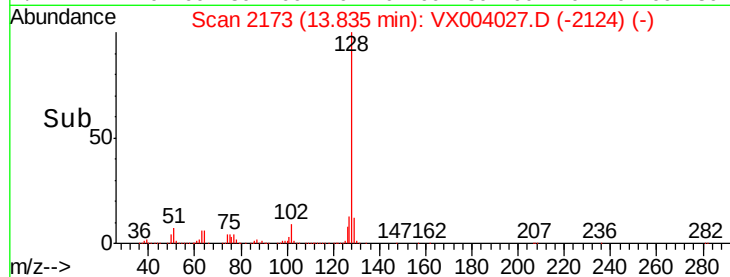
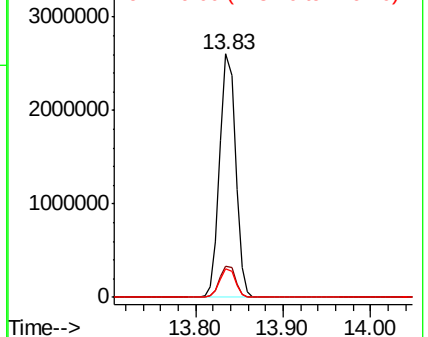
129 11.8 8.8 13.2

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:49:53 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 145.65 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004027.D

Acq: 14 Aug 2018 12:54

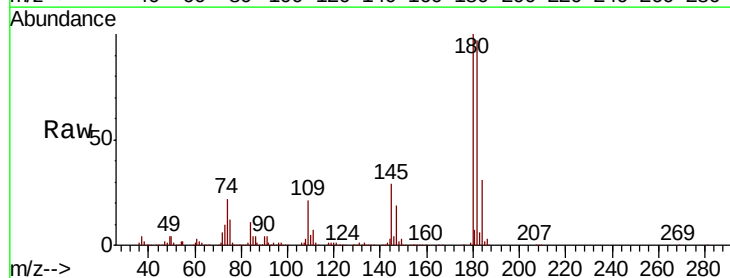
Tgt Ion:180 Resp: 1152914

Ion Ratio Lower Upper

180 100

182 96.0 48.1 144.4

145 29.6 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

