

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110818\
 Data File : VX005839.D
 Acq On : 08 Nov 2018 11:31
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/9/2018 11:37:00 AM

Quant Time: Nov 08 12:09:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	123562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	180477	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	142091	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	81804	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	73309	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
35) Dibromofluoromethane	5.49	113	62400	50.83	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.66%	
50) Toluene-d8	8.71	98	198187	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
62) 4-Bromofluorobenzene	11.13	95	75044	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	60001	53.858	ug/l	98
3) Chloromethane	1.32	50	69021	47.208	ug/l	98
4) Vinyl Chloride	1.40	62	72821	49.614	ug/l	90
5) Bromomethane	1.64	94	39930	44.455	ug/l	100
6) Chloroethane	1.71	64	43191	49.318	ug/l	100
7) Trichlorofluoromethane	1.93	101	95979	49.264	ug/l	98
8) Diethyl Ether	2.19	74	40037	52.445	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	59841	53.405	ug/l	99
10) Methyl Iodide	2.51	142	52692	38.800	ug/l	99
11) Tert butyl alcohol	3.07	59	90671	222.820	ug/l	100
12) 1,1-Dichloroethene	2.37	96	53465	48.954	ug/l	92
13) Acrolein	2.29	56	44015	228.625	ug/l	99
14) Allyl chloride	2.73	41	123444	50.608	ug/l	97
15) Acrylonitrile	3.14	53	206113	244.411	ug/l	99
16) Acetone	2.44	43	200972	262.765	ug/l	90
17) Carbon Disulfide	2.57	76	170988	52.488	ug/l	96
18) Methyl Acetate	2.77	43	104797	51.163	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	195284	52.389	ug/l	93
20) Methylene Chloride	2.85	84	60632	48.260	ug/l	88
21) trans-1,2-Dichloroethene	3.16	96	57282	49.726	ug/l	87
22) Diisopropyl ether	3.87	45	220144	51.520	ug/l	98
23) Vinyl Acetate	3.82	43	989709	270.139	ug/l	100
24) 1,1-Dichloroethane	3.69	63	116349	51.037	ug/l	97
25) 2-Butanone	4.70	43	302557	251.618	ug/l	98
26) 2,2-Dichloropropane	4.58	77	92652	55.405	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	64705	50.870	ug/l	98
28) Bromochloromethane	5.01	49	57983	56.911	ug/l	99
29) Tetrahydrofuran	5.14	42	190639	246.923	ug/l	99
30) Chloroform	5.21	83	111382	50.642	ug/l	99
31) Cyclohexane	5.57	56	106791	53.965	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	95349	51.975	ug/l	100
36) 1,1-Dichloropropene	5.79	75	83233	47.839	ug/l	97
37) Ethyl Acetate	4.85	43	109200	47.729	ug/l	100
38) Carbon Tetrachloride	5.78	117	85843	49.285	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	90376	51.252	ug/l	89
40) Benzene	6.14	78	231734	45.689	ug/l #	89
41) Methacrylonitrile	5.06	41	61722	49.926	ug/l	98
42) 1,2-Dichloroethane	6.20	62	85713	47.181	ug/l	99
43) Isopropyl Acetate	6.46	43	155206	46.816	ug/l	98
44) Trichloroethene	7.22	130	59790	46.418	ug/l	81
45) 1,2-Dichloropropane	7.51	63	55153	44.801	ug/l	100
46) Dibromomethane	7.66	93	35637	46.132	ug/l	99
47) Bromodichloromethane	7.90	83	70679	48.412	ug/l	99
48) Methyl methacrylate	7.77	41	72462	48.678	ug/l	98
49) 1,4-Dioxane	7.75	88	30204	941.602	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	484601	231.934	ug/l	99
52) Toluene	8.78	92	128501	45.331	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	81265	47.169	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	86703	49.374	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	52470	41.532	ug/l	98
56) Ethyl methacrylate	9.18	69	84107	44.494	ug/l	99
57) 1,3-Dichloropropane	9.37	76	88622	41.743	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	235084	228.951	ug/l	99
59) 2-Hexanone	9.49	43	385509	209.322	ug/l	99
60) Dibromochloromethane	9.59	129	57932	42.430	ug/l	99
61) 1,2-Dibromoethane	9.67	107	55410	39.664	ug/l	100
64) Tetrachloroethene	9.34	164	58491	48.349	ug/l	98
65) Chlorobenzene	10.14	112	145599	51.150	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	53594	54.156	ug/l	99
67) Ethyl Benzene	10.25	91	255362	55.945	ug/l	99
68) m/p-Xylenes	10.36	106	199226	114.427	ug/l	99
69) o-Xylene	10.70	106	92878	59.491	ug/l	98
70) Styrene	10.71	104	156667	60.831	ug/l	99
71) Bromoform	10.86	173	48255	58.168	ug/l	99
73) Isopropylbenzene	11.02	105	259434	54.841	ug/l	100
74) N-amyl acetate	10.90	43	128236	48.354	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	85223	49.081	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	85681m	51.438	ug/l	
77) Bromobenzene	11.26	156	67703	50.776	ug/l	99
78) n-propylbenzene	11.36	91	308067	55.257	ug/l	99
79) 2-Chlorotoluene	11.42	91	178835	53.069	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	223556	55.610	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	27243	52.127	ug/l	97
82) 4-Chlorotoluene	11.51	91	214697	54.060	ug/l	100
83) tert-Butylbenzene	11.77	119	218287	53.673	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	231021	52.078	ug/l	99
85) sec-Butylbenzene	11.94	105	269698	54.229	ug/l	100
86) p-Isopropyltoluene	12.07	119	246592	55.977	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	127712	49.908	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	130108	49.667	ug/l	99
89) n-Butylbenzene	12.39	91	224528	54.993	ug/l	100
90) Hexachloroethane	12.60	117	40222	54.688	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	127632	49.788	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	22046	52.030	ug/l	98

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ClientSampleId :
VSTDCCC050

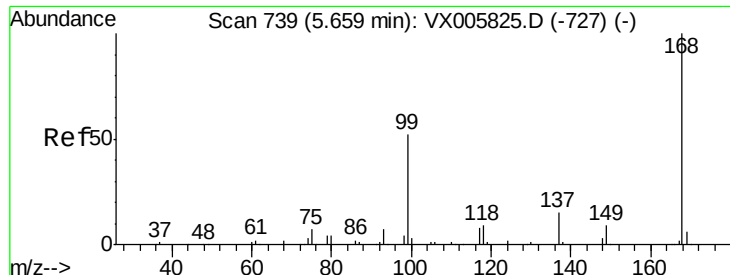
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	99063	54.894	ug/l	100
94) Hexachlorobutadiene	13.78	225	49973	52.717	ug/l	98
95) Naphthalene	13.83	128	293391	49.855	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	99810	54.288	ug/l	100

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



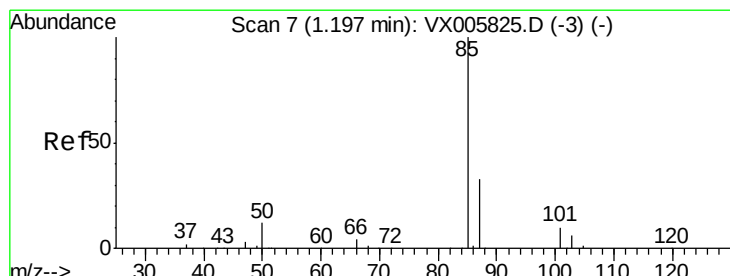
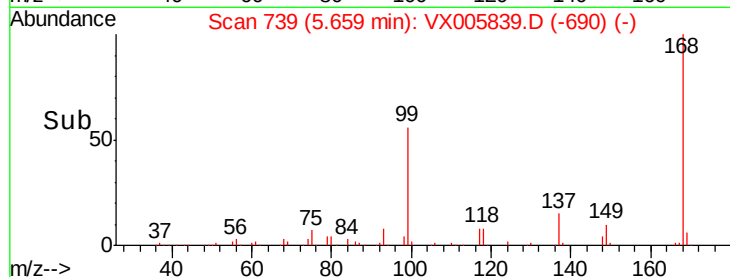
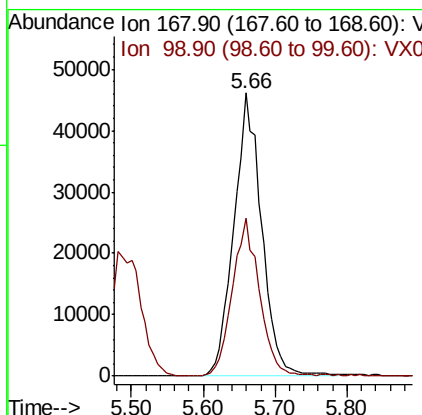
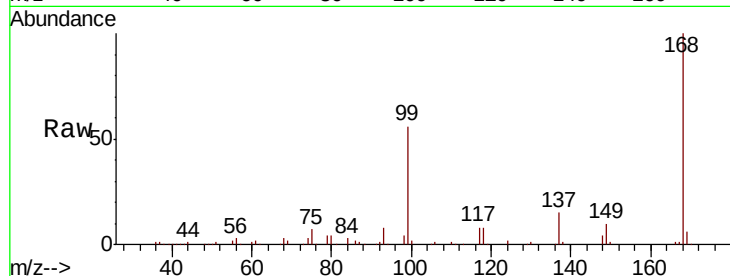
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.00 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	55.5	40.7	61.1

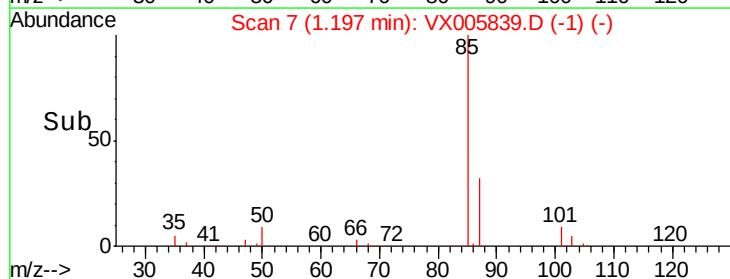
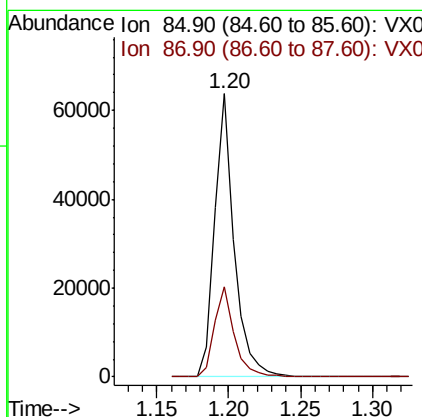
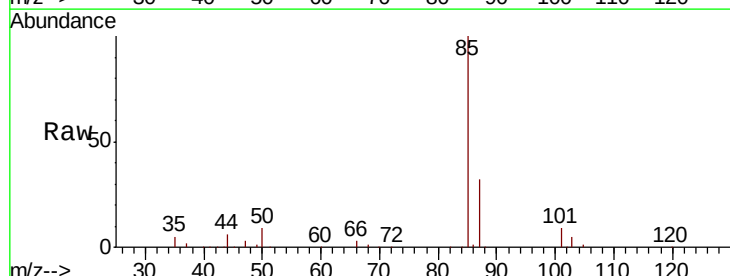
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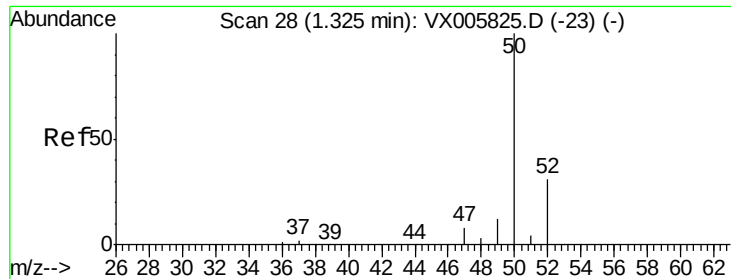
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#2
Dichlorodifluoromethane
Concen: 53.858 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.7	16.3	48.9





#3

Chloromethane

Concen: 47.208 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005839.D

Acq: 08 Nov 2018 11:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 69021

Ion Ratio Lower Upper

50 100

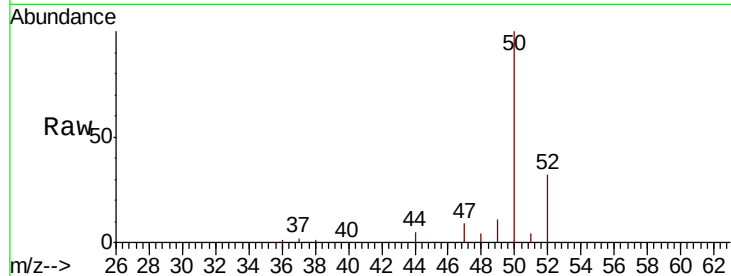
52 31.6 26.2 39.2

Manual Integrations

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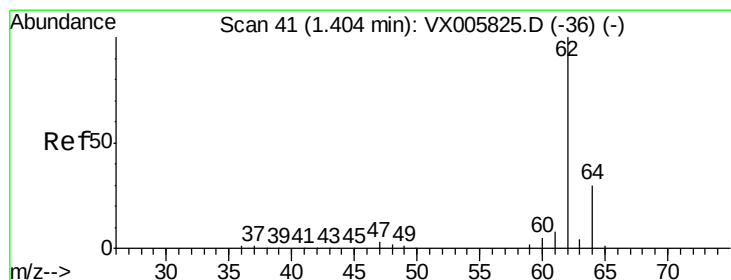
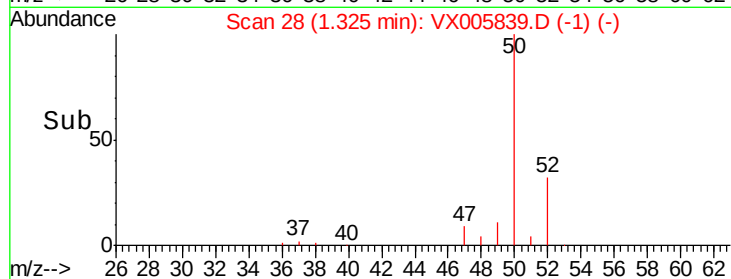
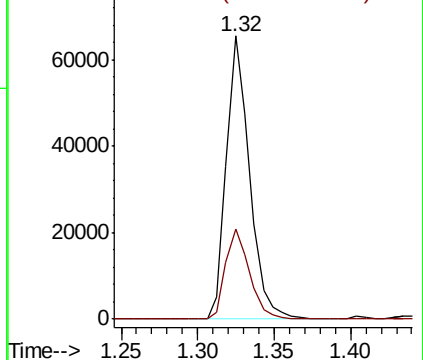
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.614 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005839.D

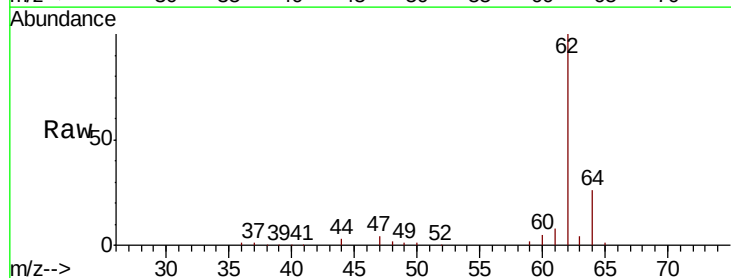
Acq: 08 Nov 2018 11:31

Tgt Ion: 62 Resp: 72821

Ion Ratio Lower Upper

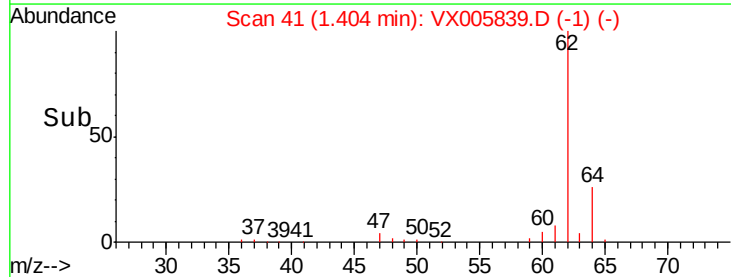
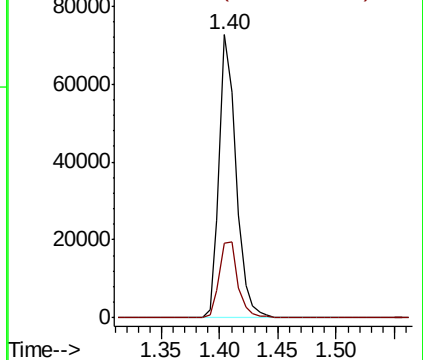
62 100

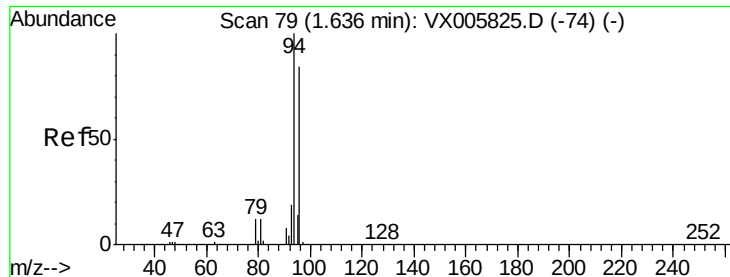
64 26.3 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 44.455 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005839.D

Acq: 08 Nov 2018 11:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 39930

Ion Ratio Lower Upper

94 100

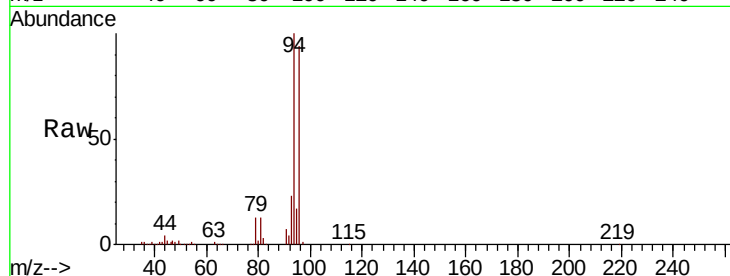
96 93.9 75.2 112.8

Manual Integrations

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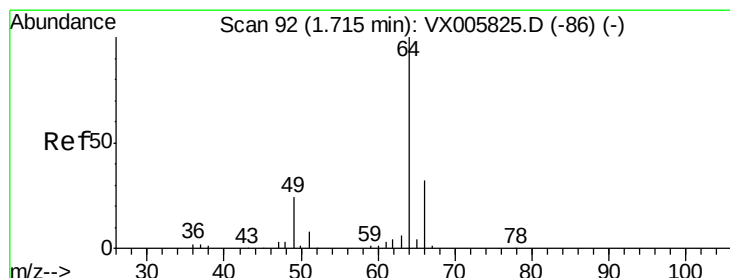
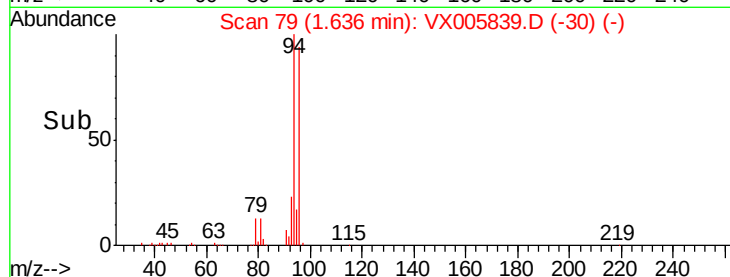
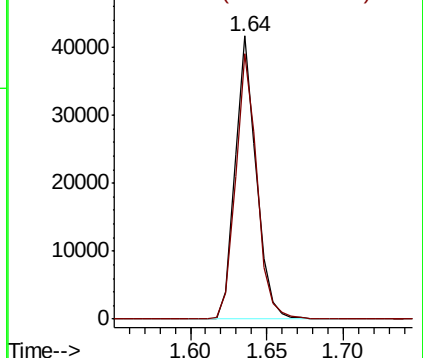
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.318 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX005839.D

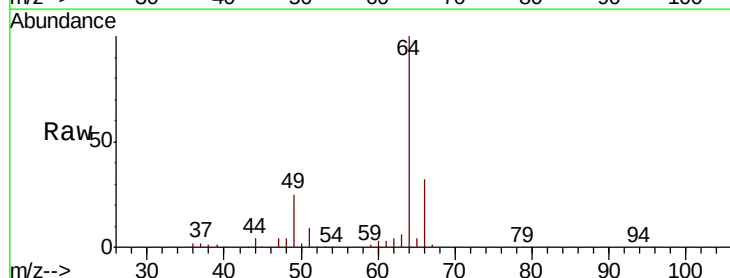
Acq: 08 Nov 2018 11:31

Tgt Ion: 64 Resp: 43191

Ion Ratio Lower Upper

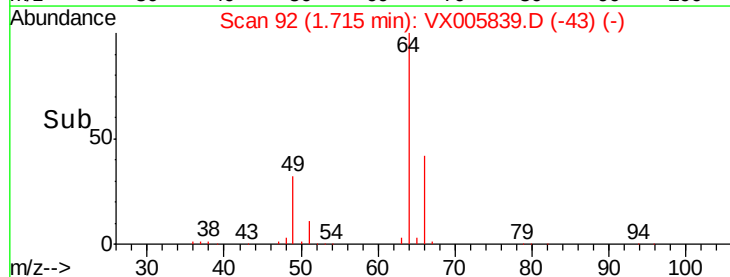
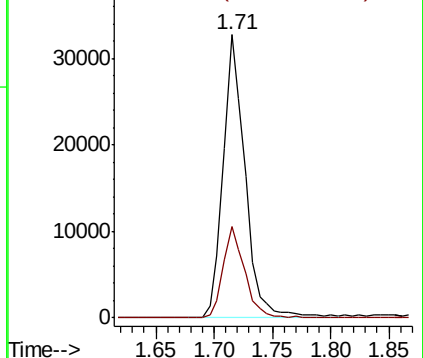
64 100

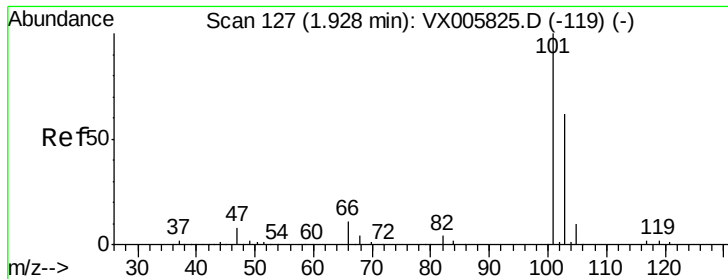
66 32.5 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

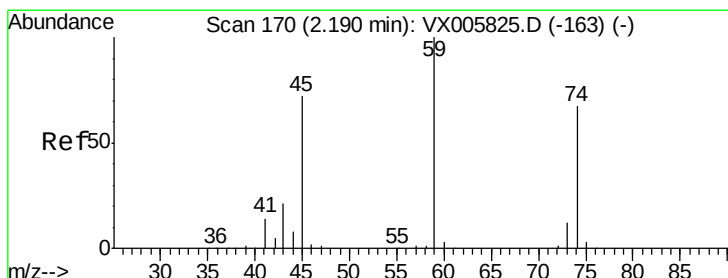
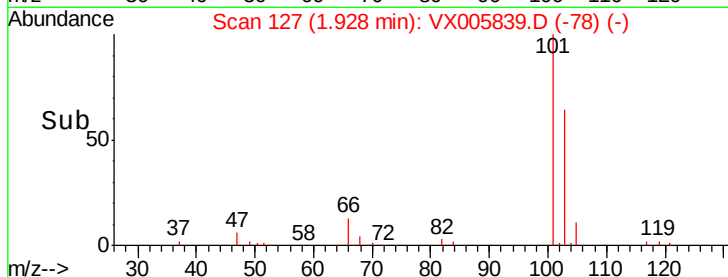
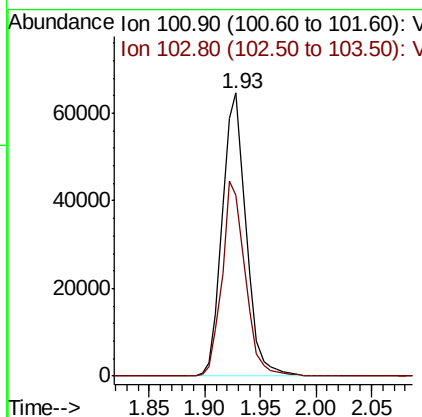
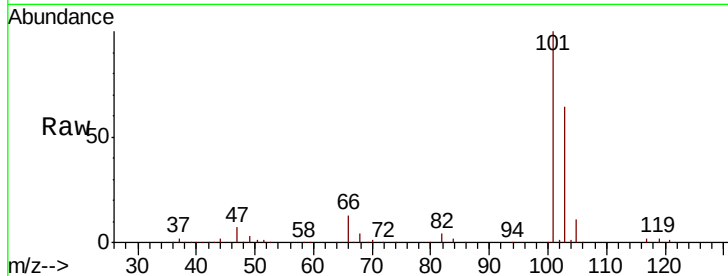
Trichlorofluoromethane
 Concen: 49.264 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX005839.D
 Acq: 08 Nov 2018 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	50.0	75.0

Manual Integrations
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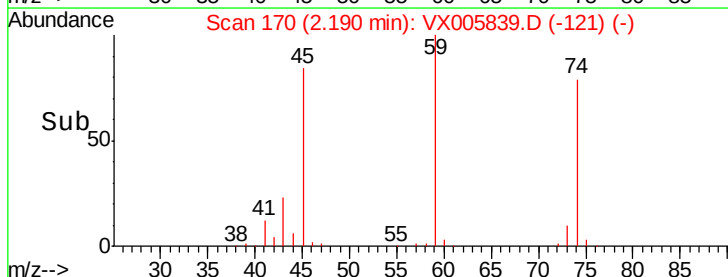
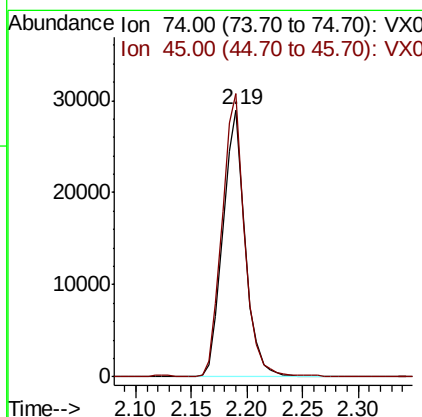
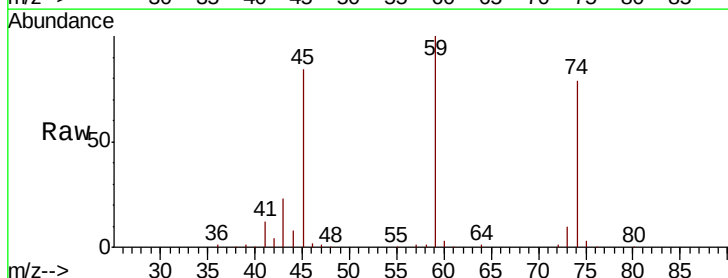
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 11/9/2018 11:37:00 AM

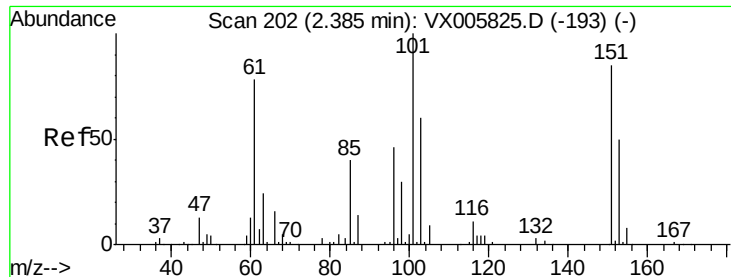


#8

Diethyl Ether
 Concen: 52.445 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX005839.D
 Acq: 08 Nov 2018 11:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.1	54.1	162.3





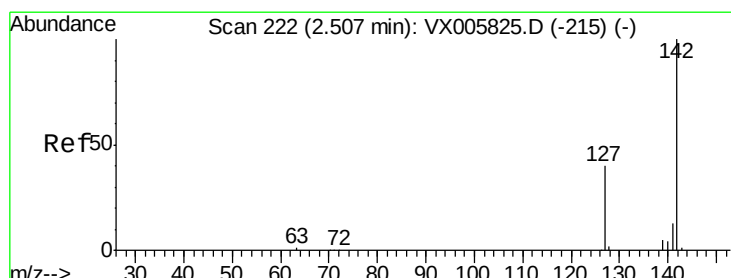
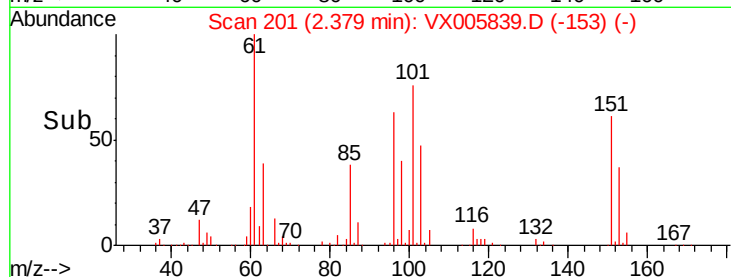
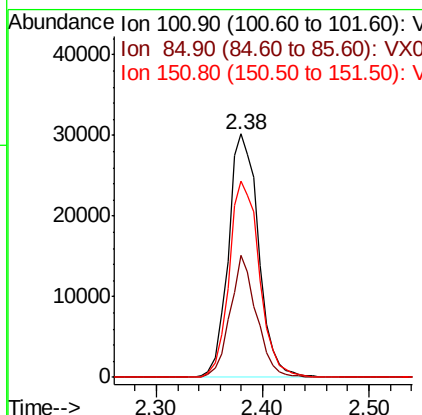
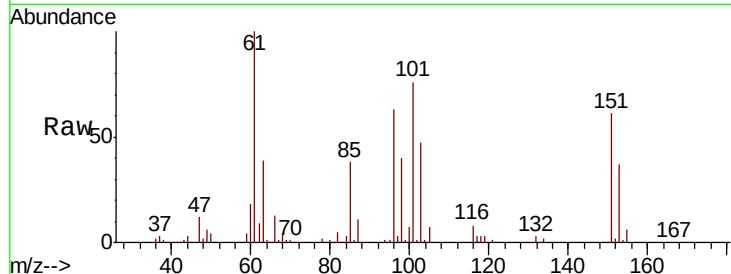
#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.405 ug/l
RT: 2.38 min Scan# 201
Delta R.T. -0.01 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	59841		
85	44.0		35.0	52.4
151	81.0		66.2	99.2

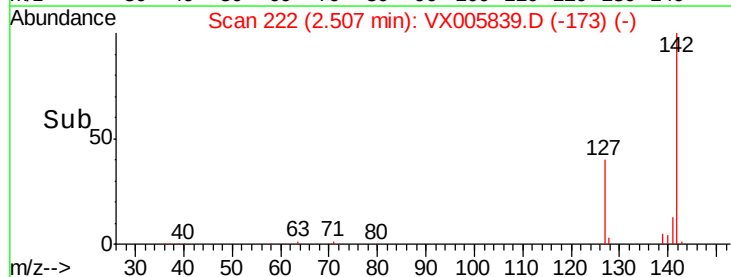
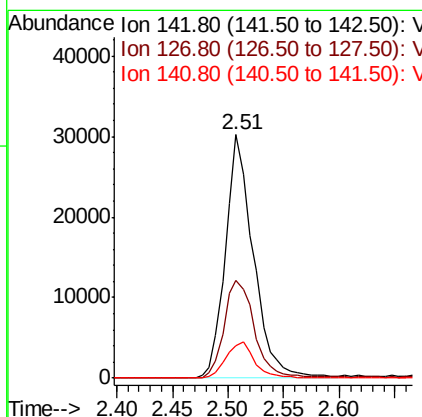
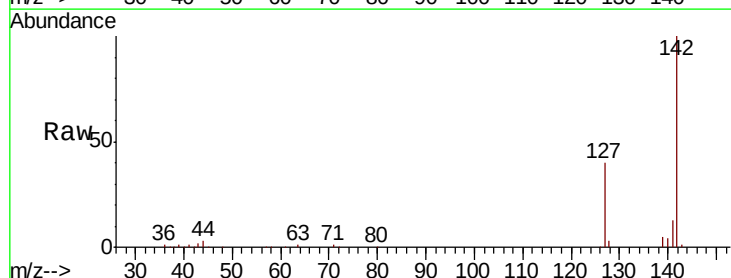
Manual Integrations
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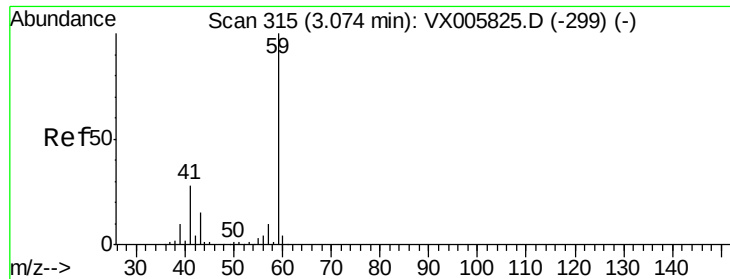
MMDadoda
11/9/2018 11:37:00 AM



#10
Methyl Iodide
Concen: 38.800 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	52692		
127	44.1		36.0	54.0
141	15.0		11.7	17.5





#11

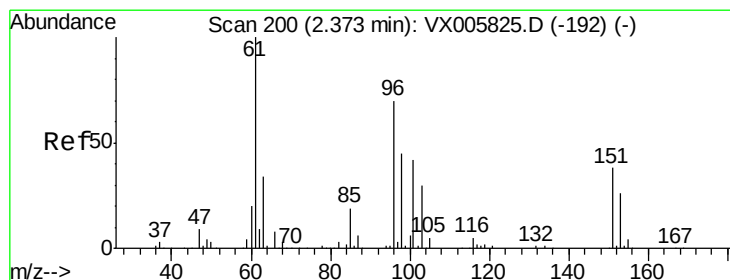
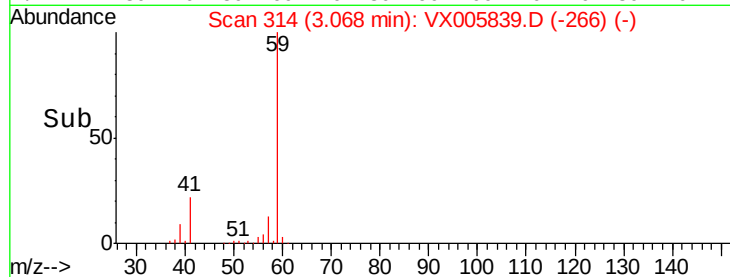
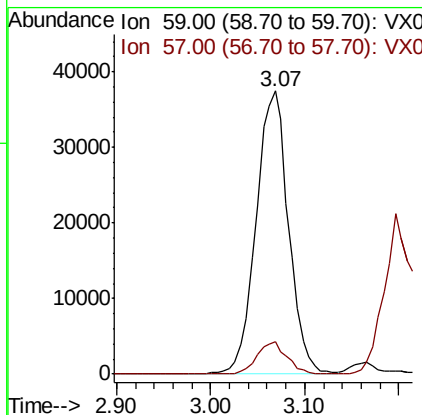
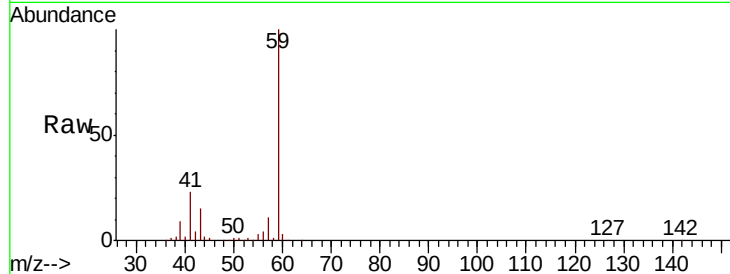
Tert butyl alcohol
 Concen: 222.820 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX005839.D
 Acq: 08 Nov 2018 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	90671
Ion Ratio	100	Lower	Upper
57	10.5	8.5	12.7

Manual Integrations
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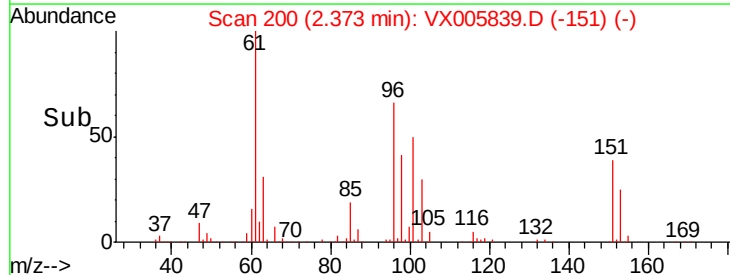
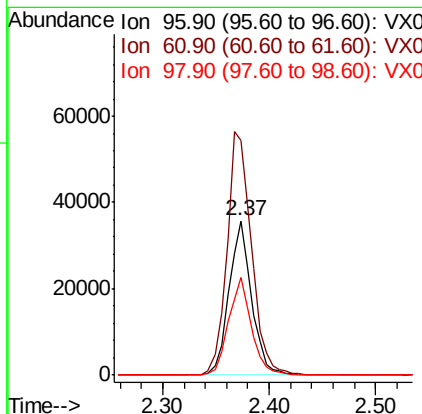
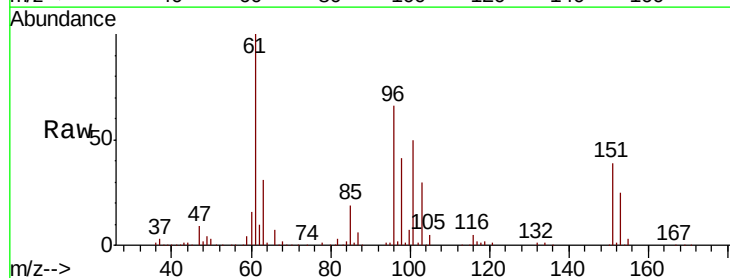
MMDadoda
 11/9/2018 11:37:00 AM

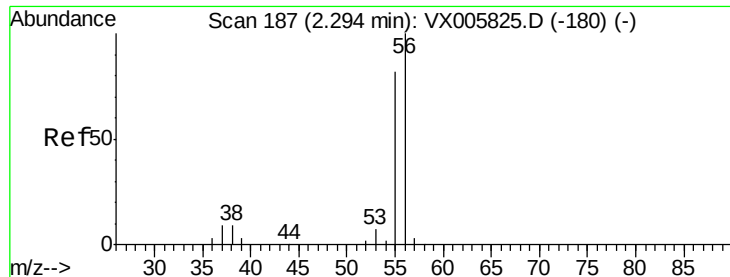


#12

1,1-Dichloroethene
 Concen: 48.954 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX005839.D
 Acq: 08 Nov 2018 11:31

Tgt Ion	96	Resp	53465
Ion Ratio	100	Lower	Upper
61	152.2	131.8	197.8
98	63.0	53.4	80.2





#13

Acrolein

Concen: 228.625 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005839.D

Acq: 08 Nov 2018 11:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 44015

Ion Ratio Lower Upper

56 100

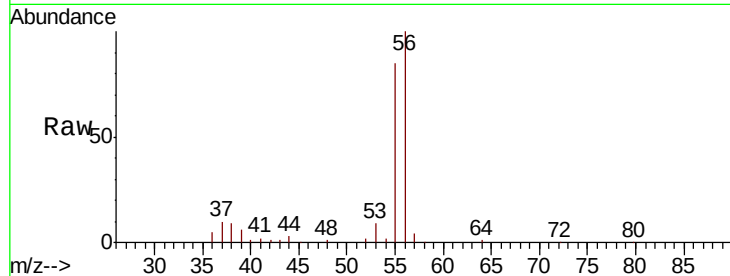
55 72.8 57.3 85.9

Manual Integrations

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MMDadoda

11/9/2018 11:37:00 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

25000

20000

15000

10000

5000

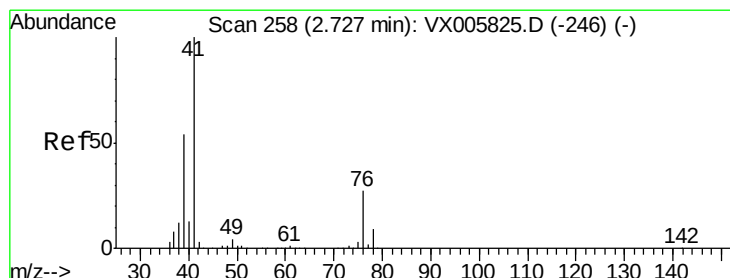
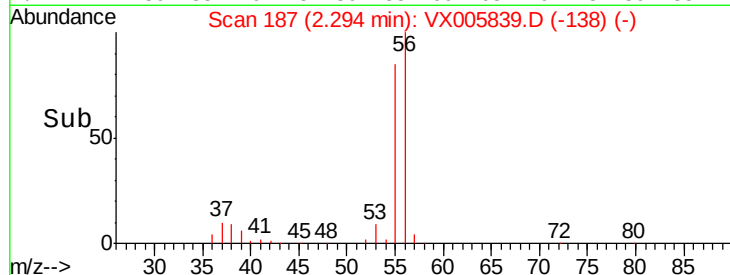
0

Time-->

2.20

2.30

2.40



#14

Allyl chloride

Concen: 50.608 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX005839.D

Acq: 08 Nov 2018 11:31

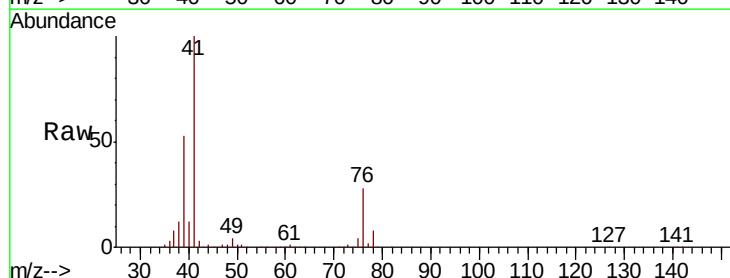
Tgt Ion: 41 Resp: 123444

Ion Ratio Lower Upper

41 100

39 57.1 48.2 72.4

76 27.8 21.9 32.9



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.73

80000

60000

40000

20000

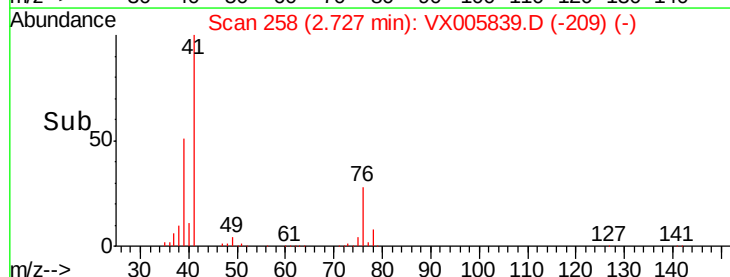
0

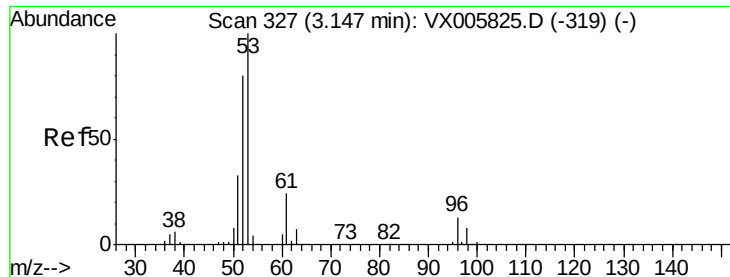
Time-->

2.60

2.70

2.80





#15

Acrylonitrile

Concen: 244.411 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX005839.D

Acq: 08 Nov 2018 11:31

Instrument :

MSVOA_X

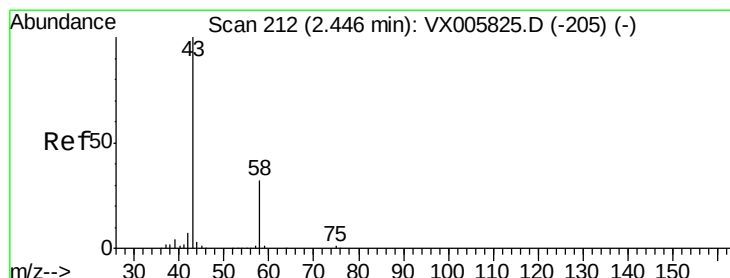
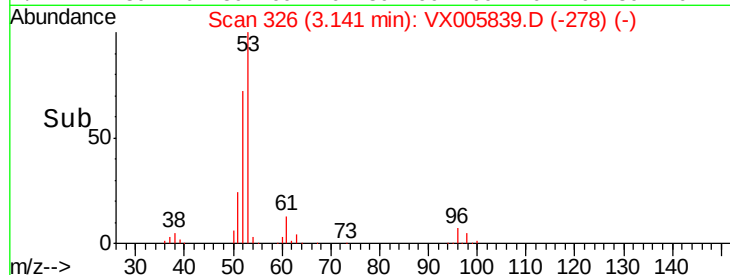
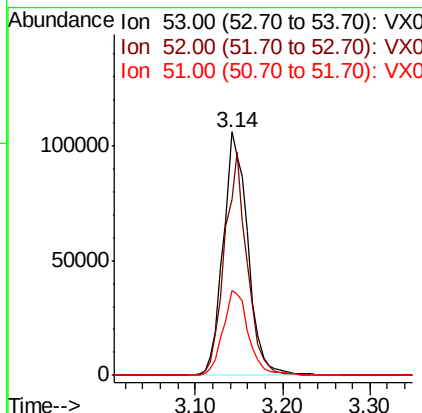
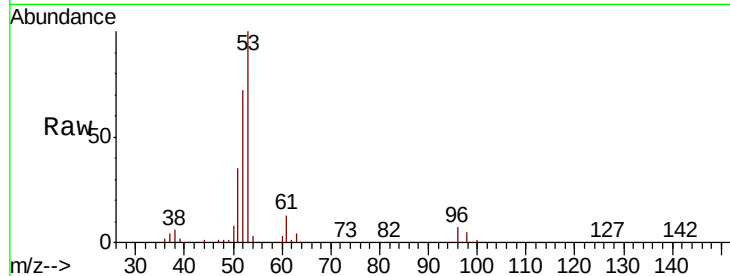
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	206113
Ion Ratio	Lower	Upper	
53	100		
52	84.3	66.6	99.8
51	36.1	28.4	42.6

Manual Integrations
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MMDadoda
11/9/2018 11:37:00 AM



#16

Acetone

Concen: 262.765 ug/l

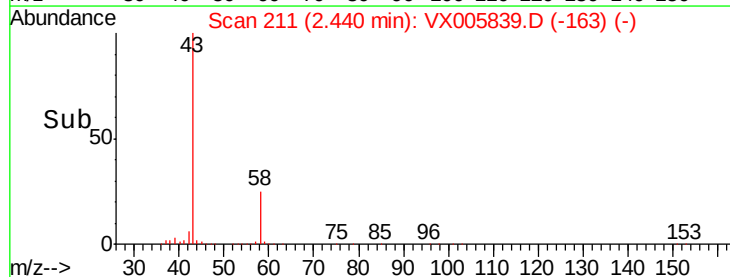
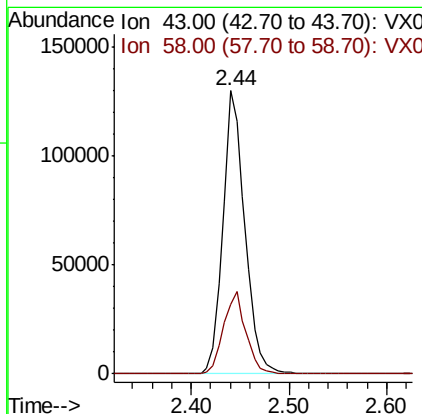
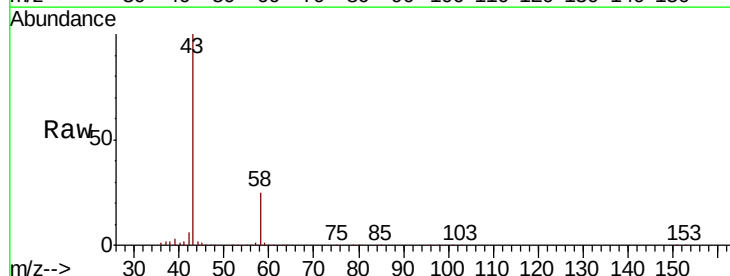
RT: 2.44 min Scan# 211

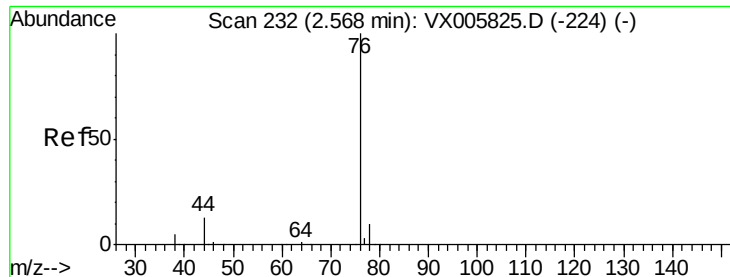
Delta R.T. -0.01 min

Lab File: VX005839.D

Acq: 08 Nov 2018 11:31

Tgt Ion:	43	Resp:	200972
Ion Ratio	Lower	Upper	
43	100		
58	24.5	23.8	35.6





#17

Carbon Disulfide

Concen: 52.488 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX005839.D

Acq: 08 Nov 2018 11:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 170988

Ion Ratio Lower Upper

76 100

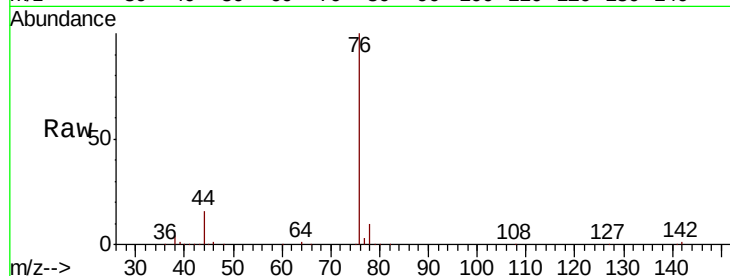
78 10.5 7.3 10.9

Manual Integrations

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MMDadoda

11/9/2018 11:37:00 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

100000

80000

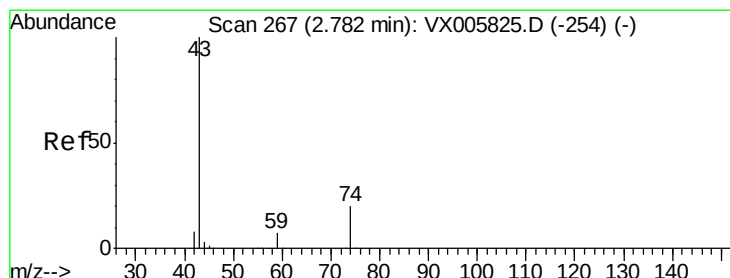
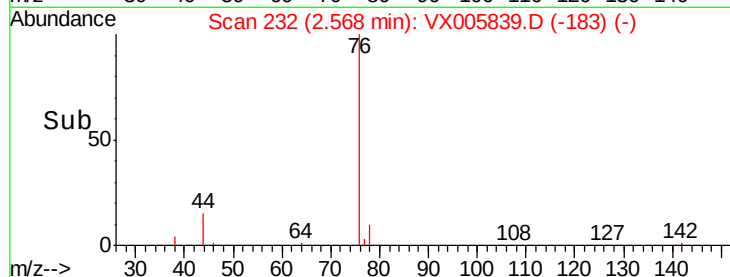
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 51.163 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX005839.D

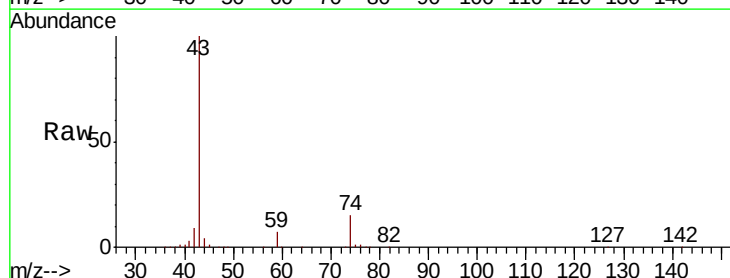
Acq: 08 Nov 2018 11:31

Tgt Ion: 43 Resp: 104797

Ion Ratio Lower Upper

43 100

74 20.2 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

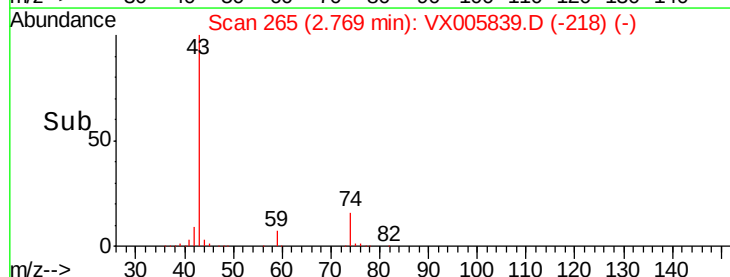
60000

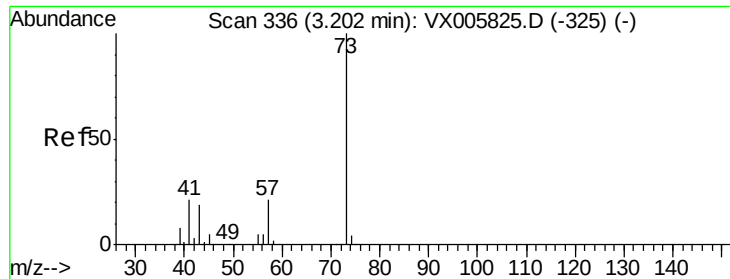
40000

20000

0

Time-->





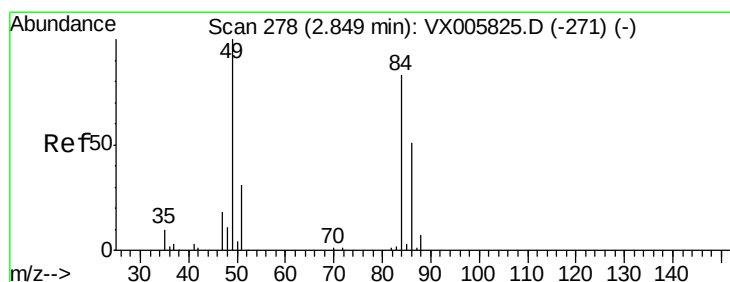
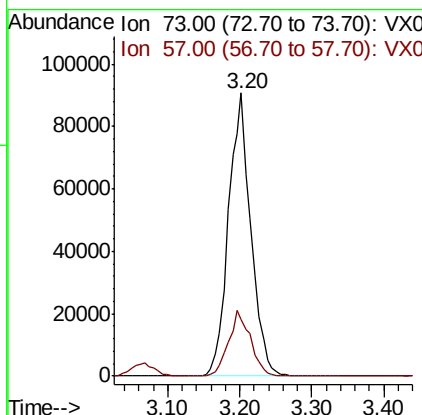
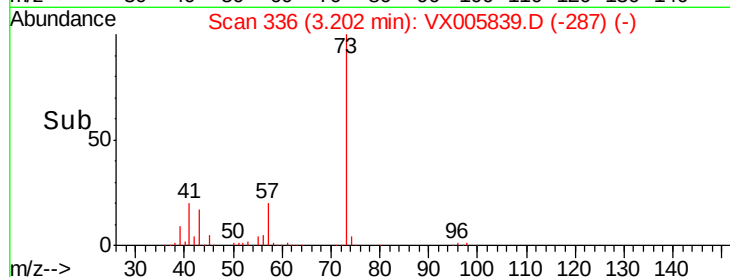
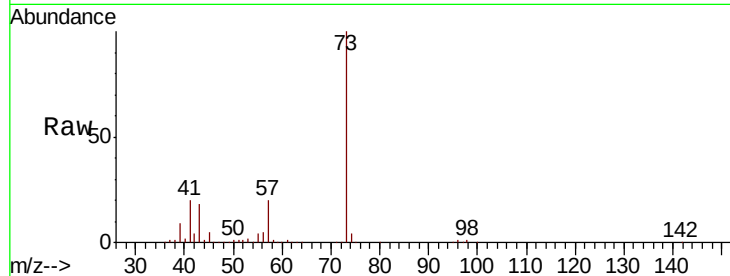
#19
Methvl tert-butyl Ether
Concen: 52.389 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.9	18.8	28.2

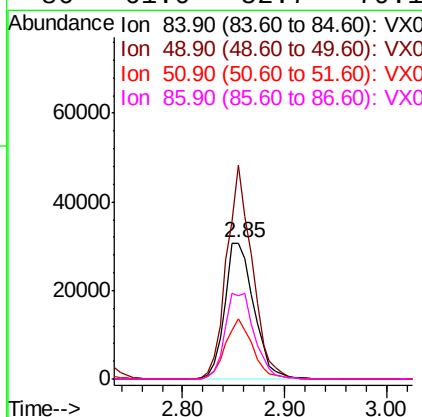
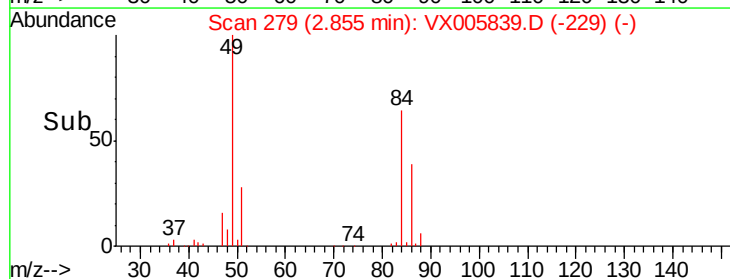
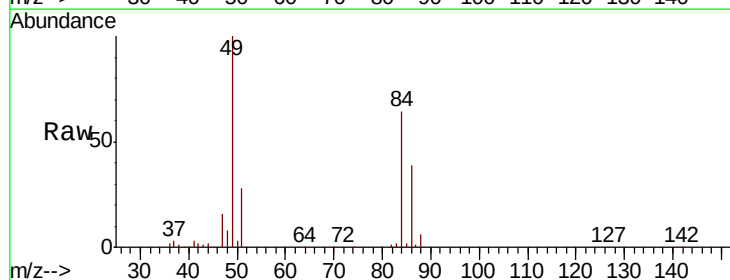
Manual Integrations
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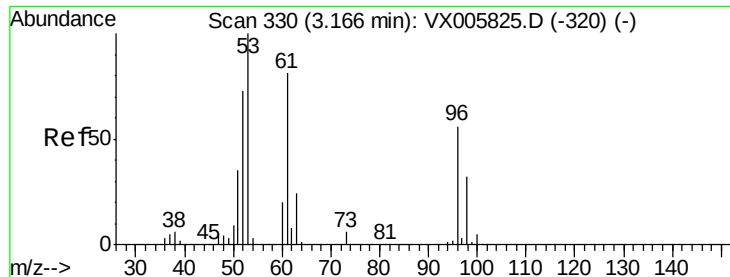
MMDadoda
11/9/2018 11:37:00 AM



#20
Methylene Chloride
Concen: 48.260 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	156.8	109.5	164.3
51	43.8	33.3	49.9
86	61.0	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 49.726 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX005839.D

Acq: 08 Nov 2018 11:31

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 96 Resp: 57282

Ion Ratio Lower Upper

96 100

61 122.4 115.6 173.4

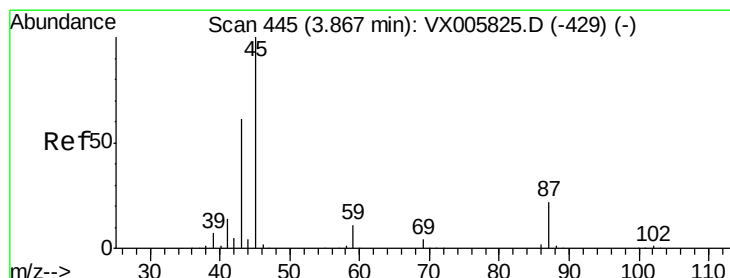
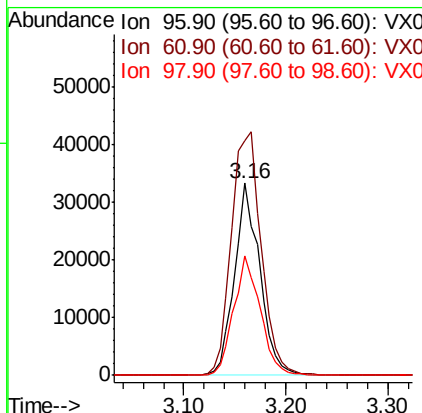
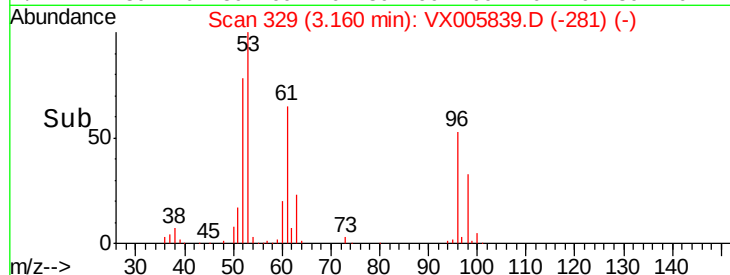
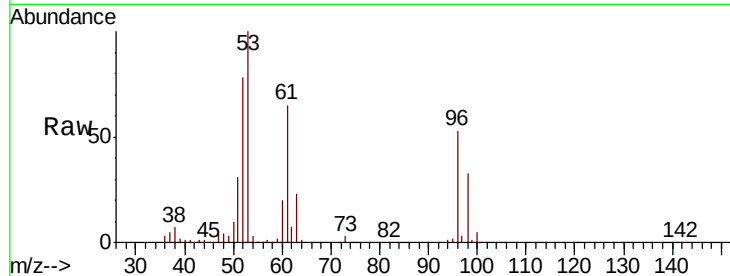
98 61.9 50.2 75.2

Manual Integrations

APPROVED

MMDadoda

11/9/2018 11:37:00 AM



#22

Diisopropyl ether

Concen: 51.520 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005839.D

Acq: 08 Nov 2018 11:31

Tgt Ion: 45 Resp: 220144

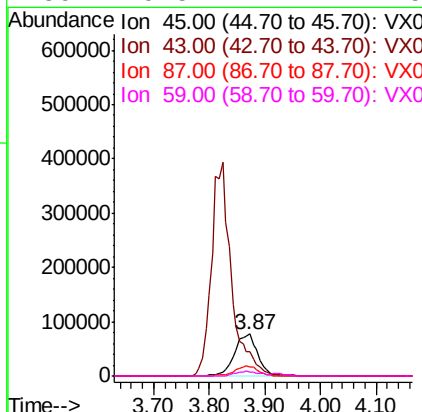
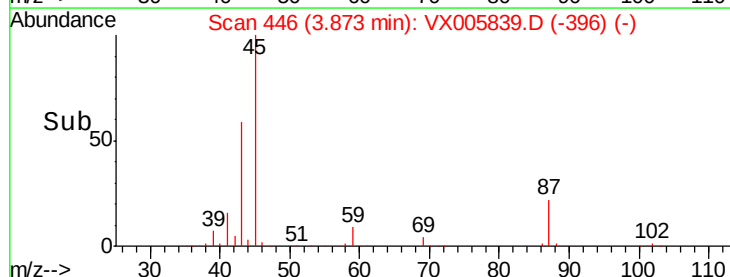
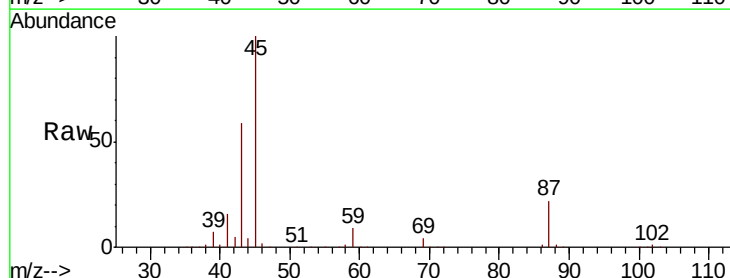
Ion Ratio Lower Upper

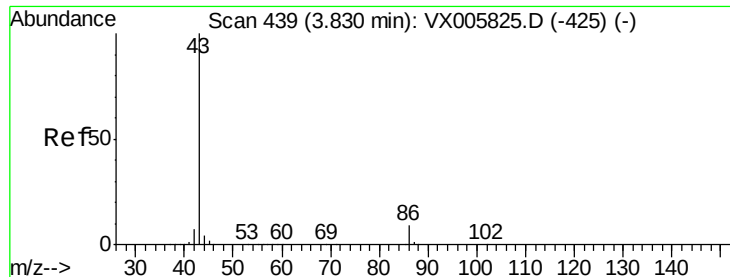
45 100

43 58.3 47.4 71.2

87 22.2 15.9 23.9

59 9.5 7.7 11.5





#23

Vinyl Acetate

Concen: 270.139 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.01 min

Lab File: VX005839.D

Acq: 08 Nov 2018 11:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 989709

Ion Ratio Lower Upper

43 100

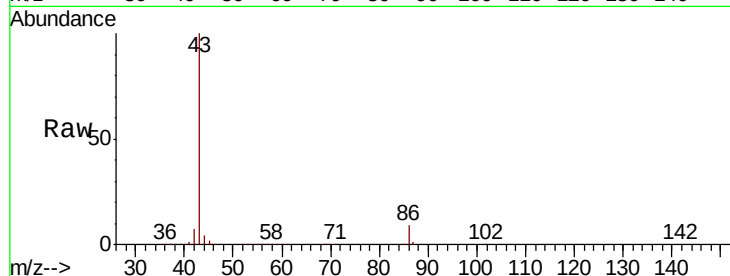
86 9.3 7.4 11.2

Manual Integrations

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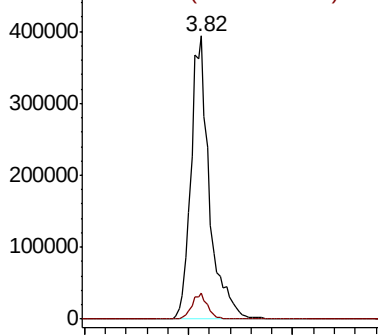
MMDadoda

11/9/2018 11:37:00 AM

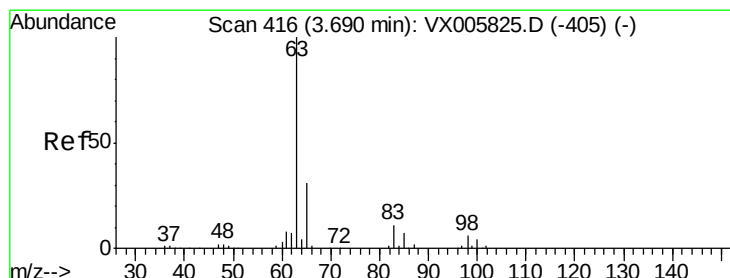
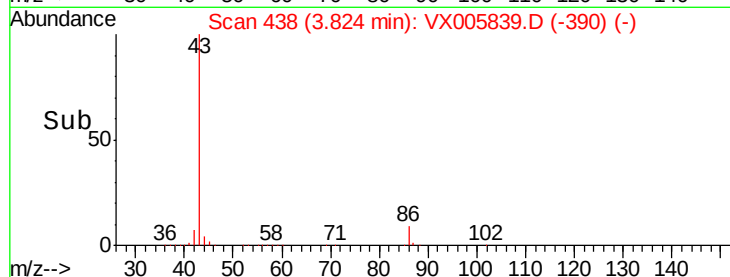


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 51.037 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX005839.D

Acq: 08 Nov 2018 11:31

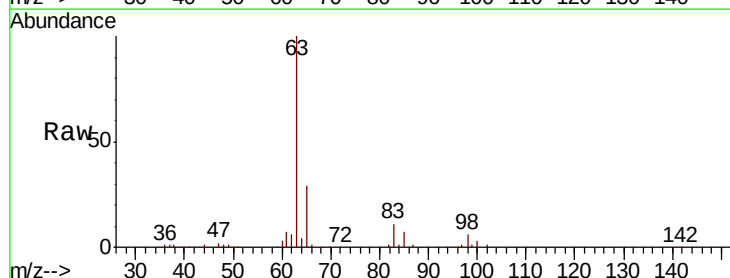
Tgt Ion: 63 Resp: 116349

Ion Ratio Lower Upper

63 100

98 5.5 3.2 9.6

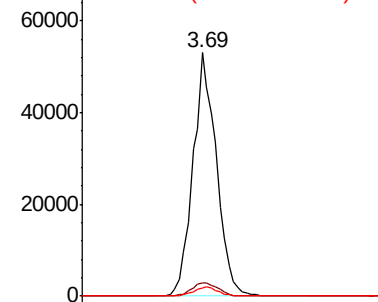
100 3.2 2.1 6.2



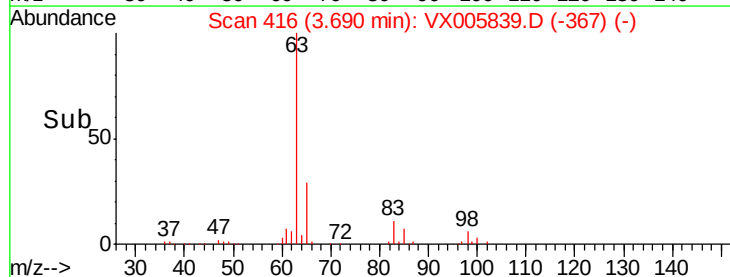
Abundance Ion 62.90 (62.60 to 63.60): VX0

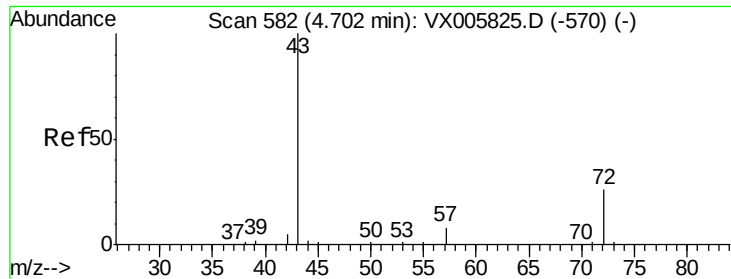
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time--> 3.60 3.70 3.80 3.90





#25

2-Butanone

Concen: 251.618 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005839.D

Acq: 08 Nov 2018 11:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 302557

Ion Ratio Lower Upper

43 100

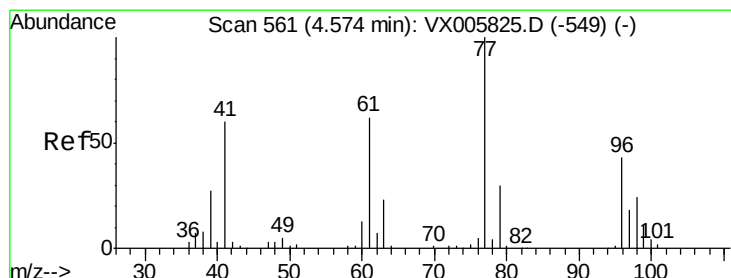
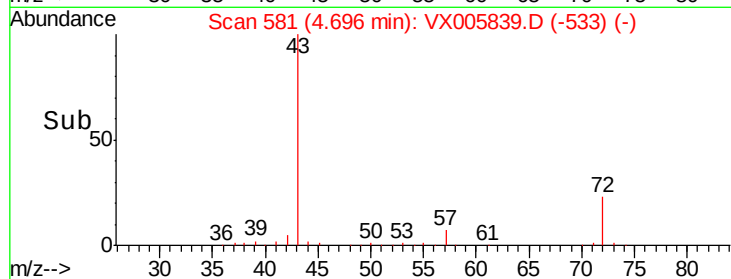
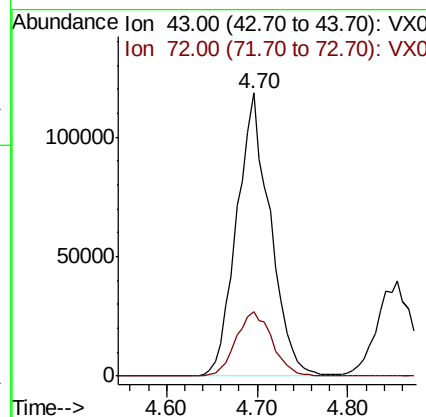
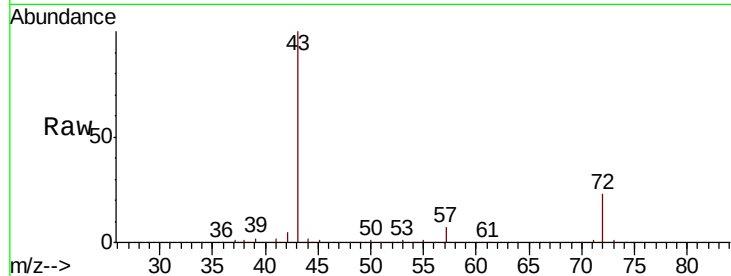
72 22.8 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

11/9/2018 11:37:00 AM



#26

2,2-Dichloropropane

Concen: 55.405 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX005839.D

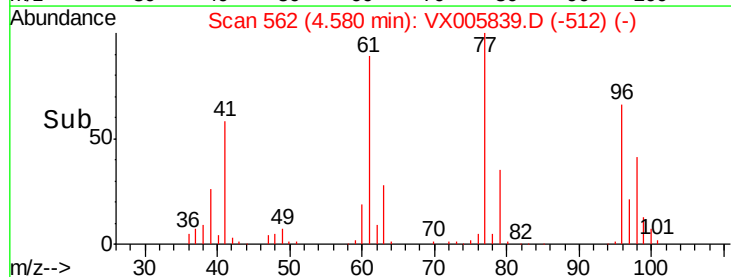
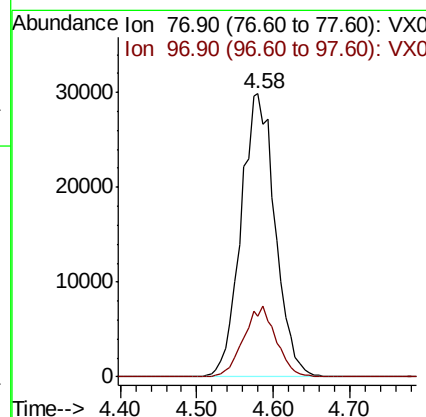
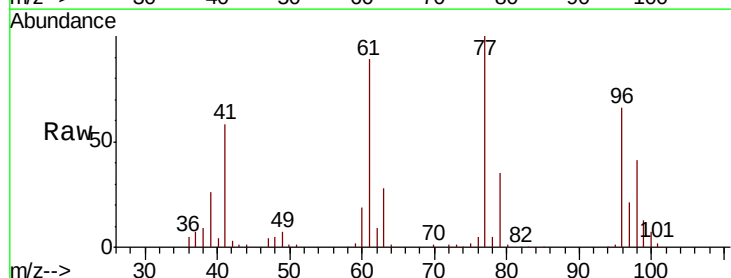
Acq: 08 Nov 2018 11:31

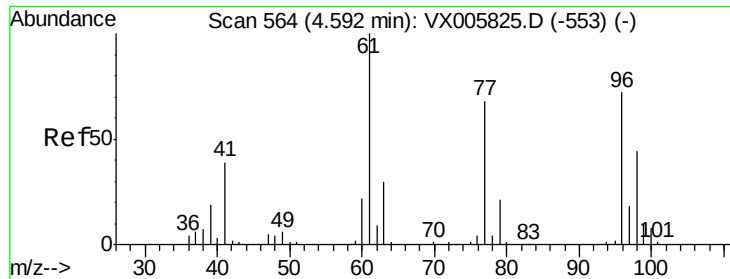
Tgt Ion: 77 Resp: 92652

Ion Ratio Lower Upper

77 100

97 23.5 11.5 34.5





#27

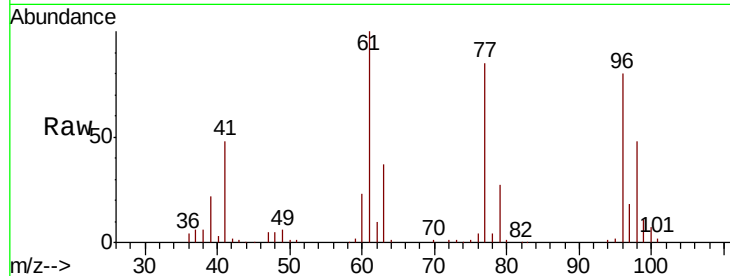
cis-1,2-Dichloroethene
Concen: 50.870 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.5	0.0	304.6
98	65.8	0.0	127.4

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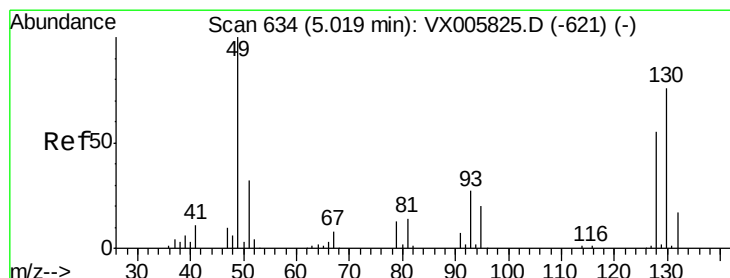
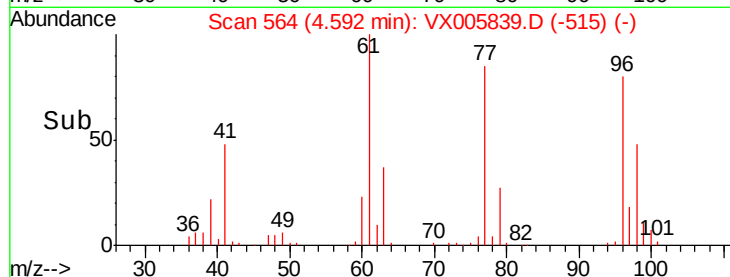
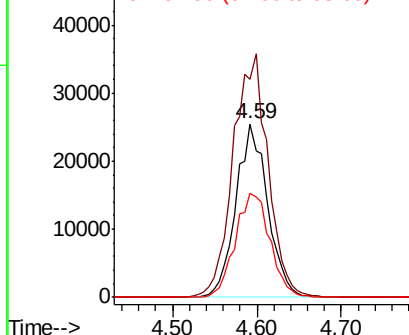


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

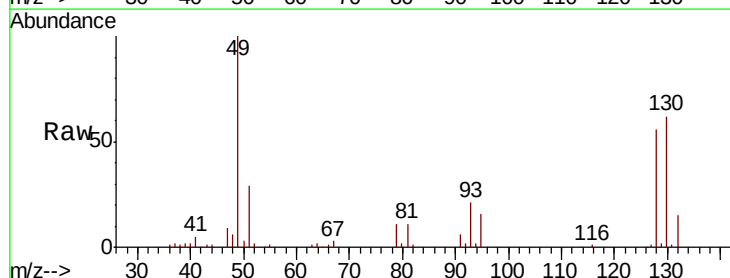
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 56.911 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	74.2	58.9	88.3

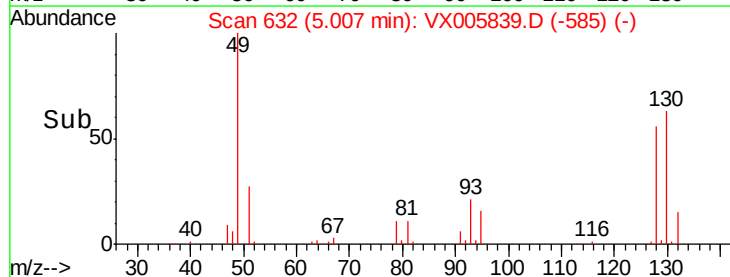
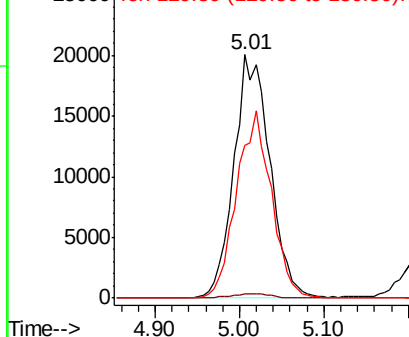


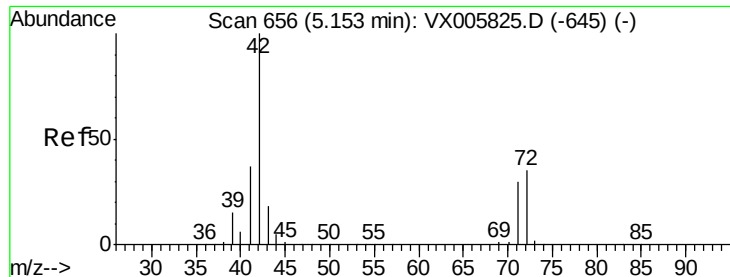
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





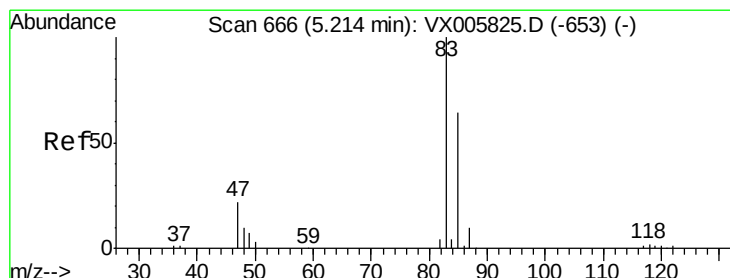
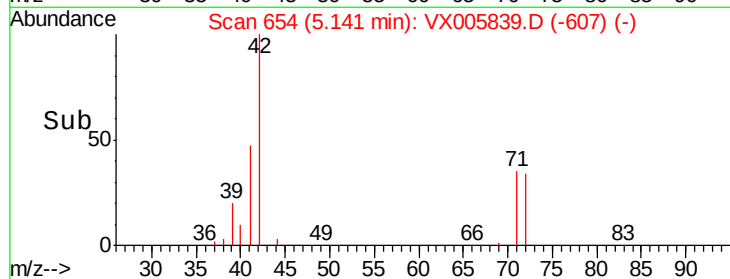
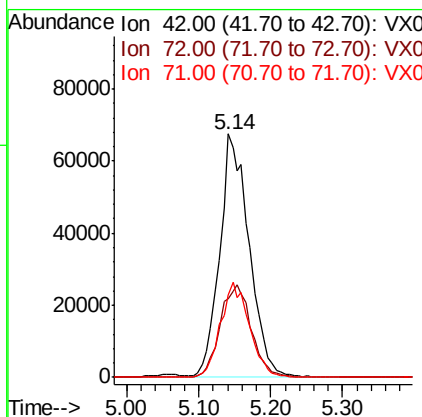
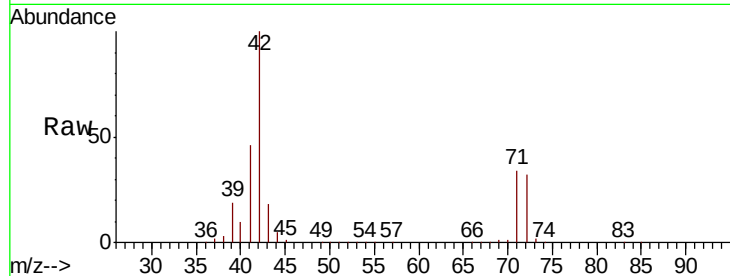
#29
Tetrahydrofuran
Concen: 246.923 ug/l
RT: 5.14 min Scan# 654
Delta R.T. -0.01 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.0	48.0
71	38.4	29.8	44.8

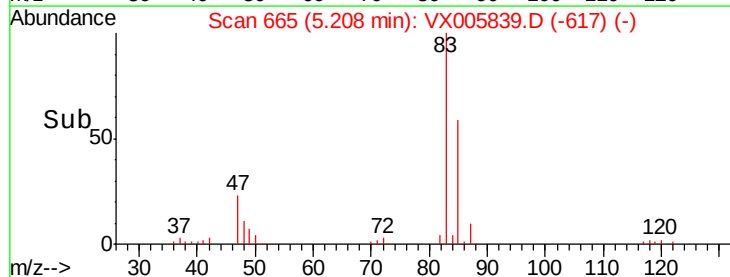
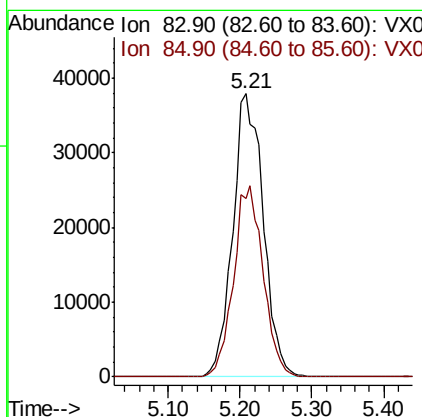
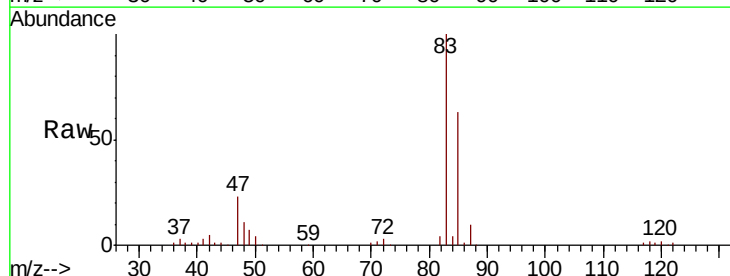
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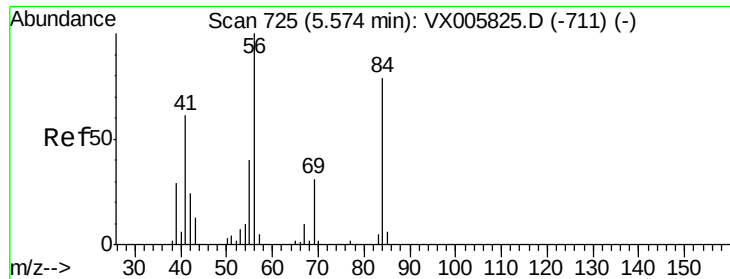
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#30
Chloroform
Concen: 50.642 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.6	76.0





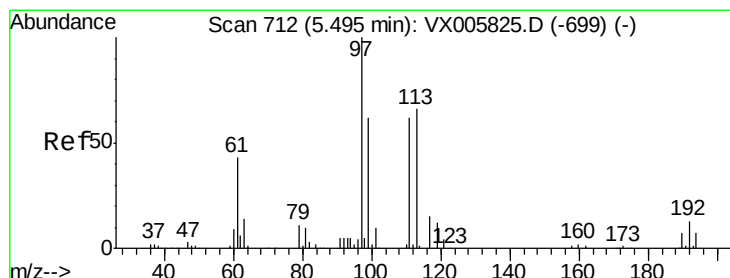
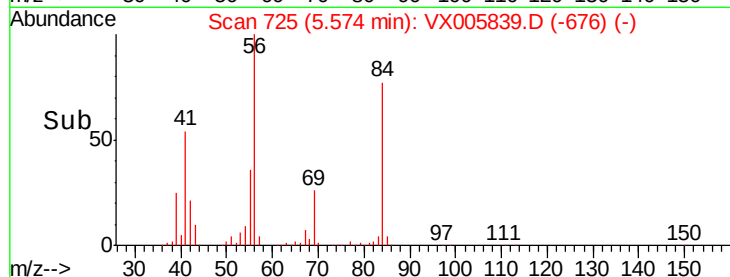
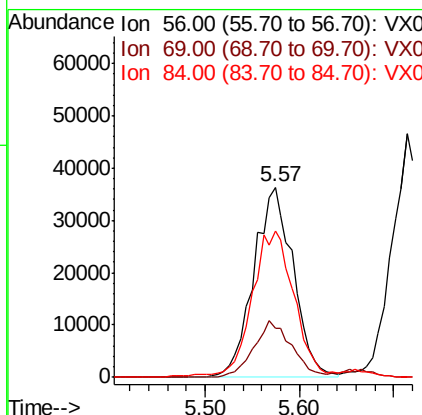
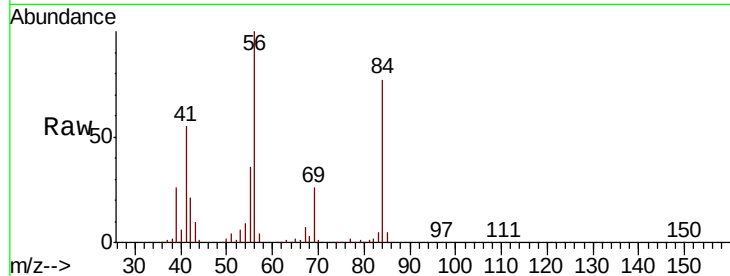
#31
Cyclohexane
Concen: 53.965 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	26.0	22.6	34.0
84	75.8	62.7	94.1

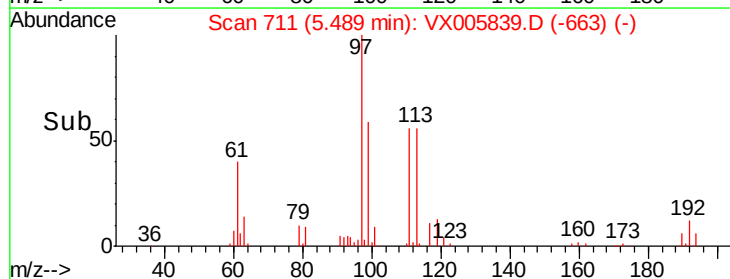
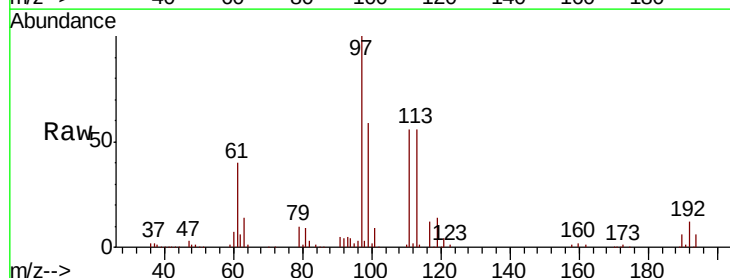
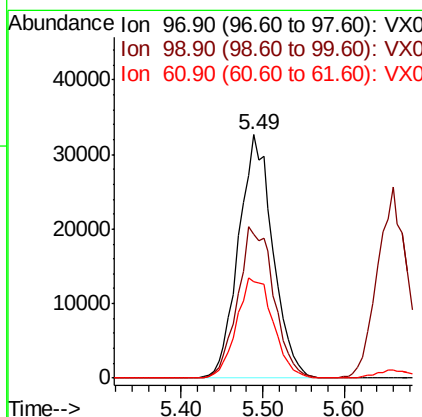
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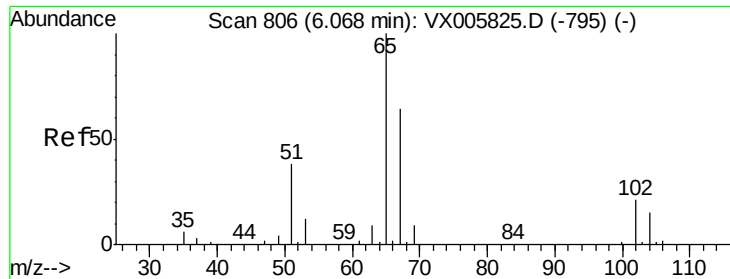
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#32
1,1,1-Trichloroethane
Concen: 51.975 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.3	78.5
61	44.1	35.2	52.8





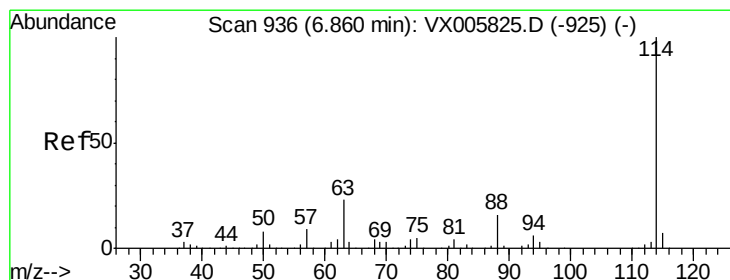
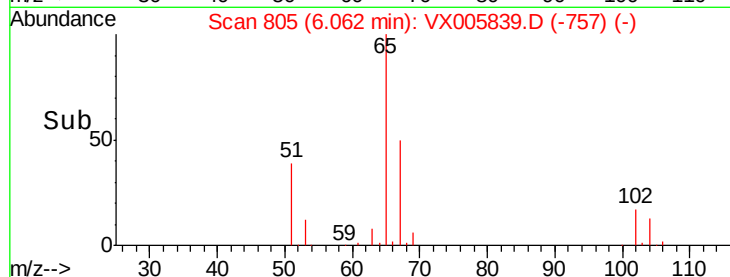
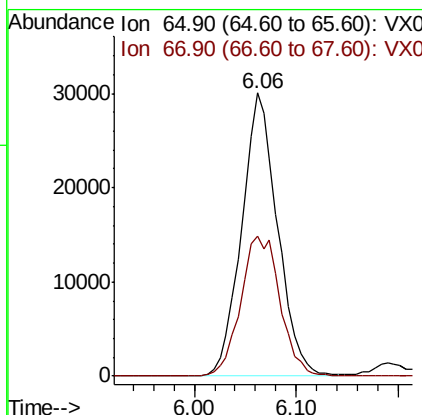
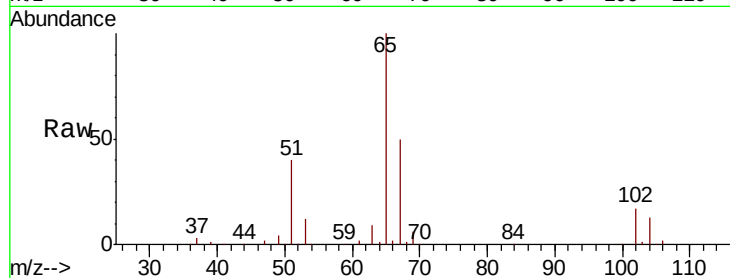
#33
 1,2-Dichloroethane-d4
 Concen: 51.608 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005839.D
 Acq: 08 Nov 2018 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 73309
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 105.0

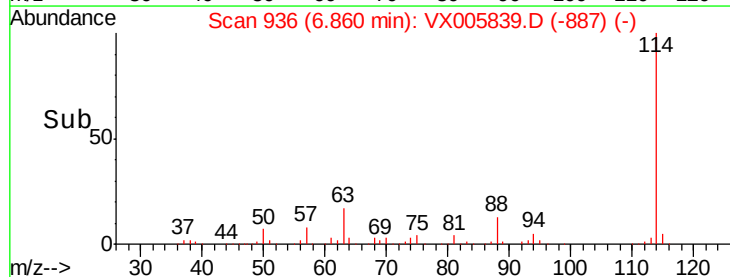
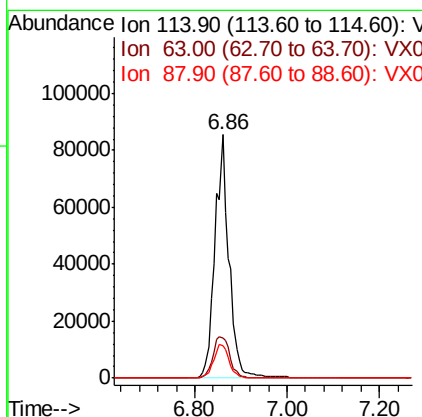
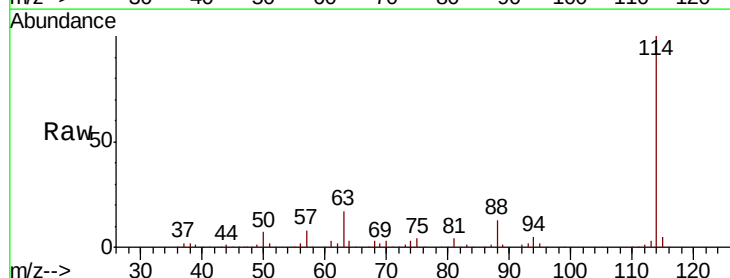
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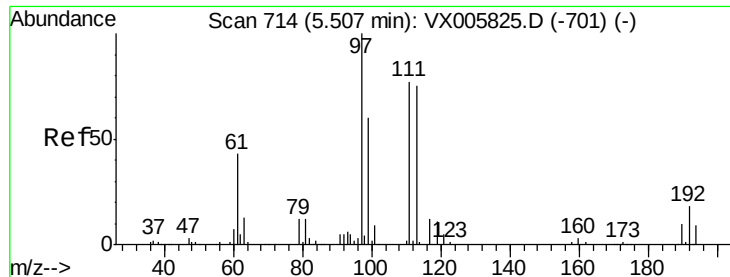
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 11/9/2018 11:37:00 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005839.D
 Acq: 08 Nov 2018 11:31

Tgt Ion: 114 Resp: 180477
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 42.8
 88 13.2 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.834 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX005839.D

Acq: 08 Nov 2018 11:31

Instrument :

MSVOA_X

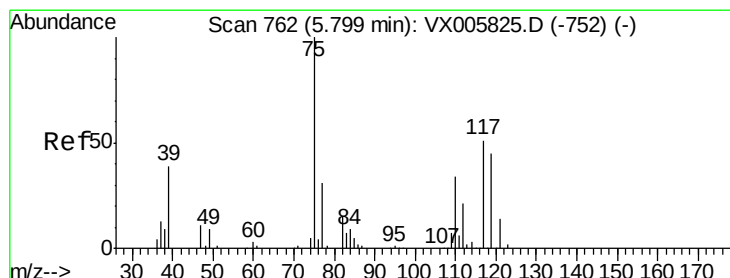
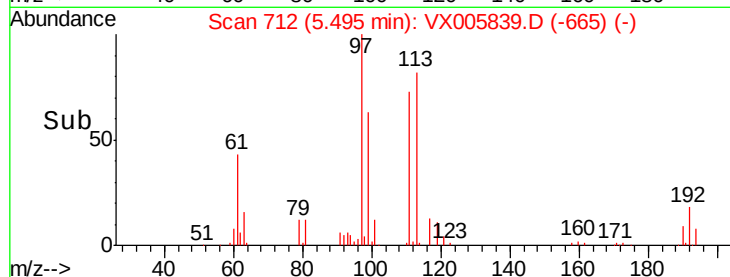
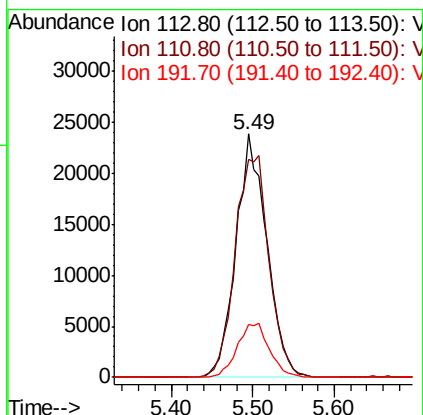
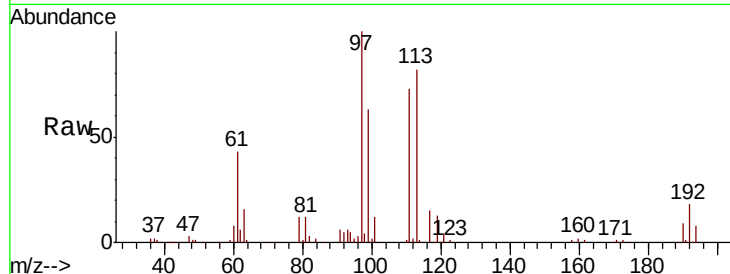
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	62400
Ion	Ratio	Lower	Upper
113	100		
111	100.2	82.3	123.5
192	23.1	17.9	26.9

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#36

1,1-Dichloropropene

Concen: 47.839 ug/l

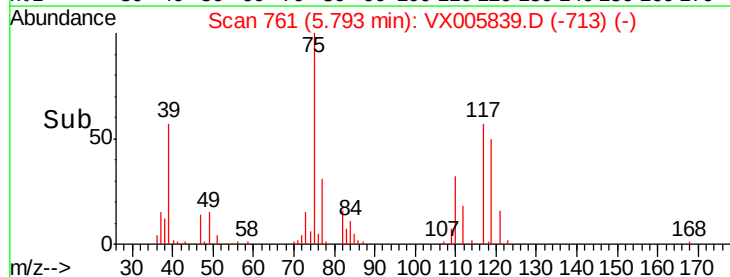
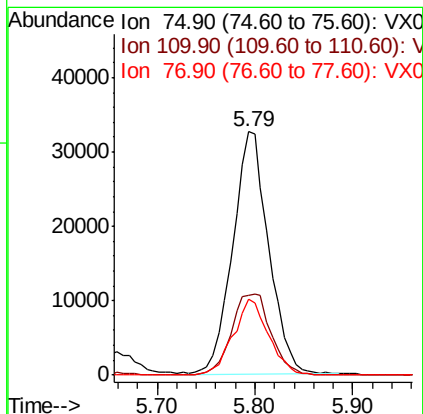
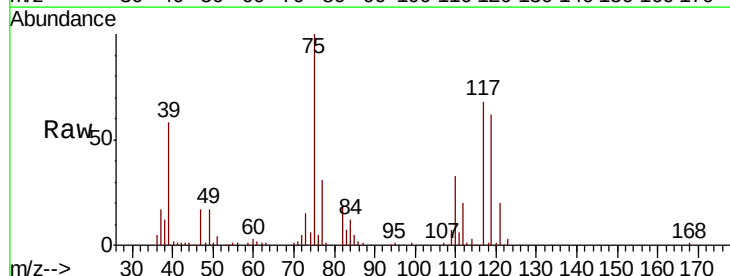
RT: 5.79 min Scan# 761

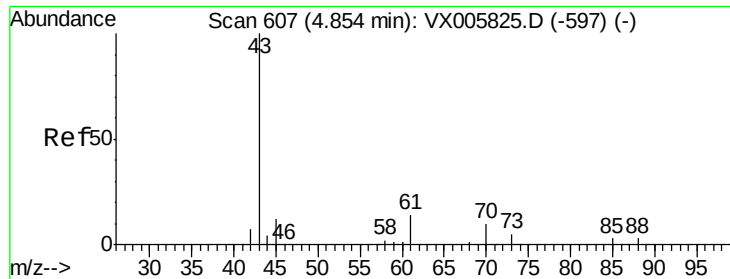
Delta R.T. -0.01 min

Lab File: VX005839.D

Acq: 08 Nov 2018 11:31

Tgt Ion:	75	Resp:	83233
Ion	Ratio	Lower	Upper
75	100		
110	36.6	17.4	52.2
77	31.1	25.8	38.6





#37

Ethyl Acetate

Concen: 47.729 ug/l

RT: 4.85 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX005839.D

Acq: 08 Nov 2018 11:31

Instrument :

MSVOA_X

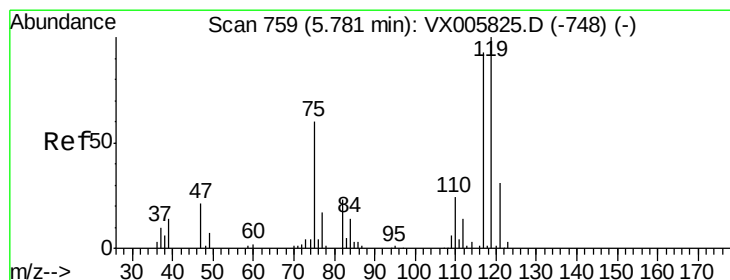
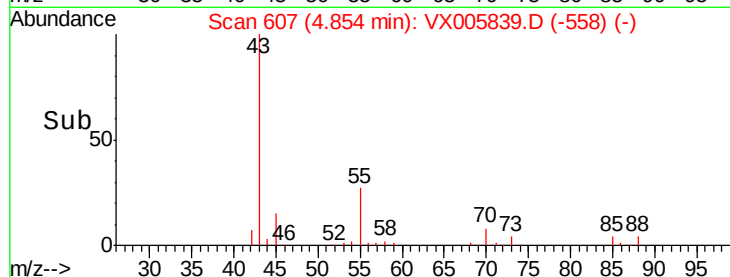
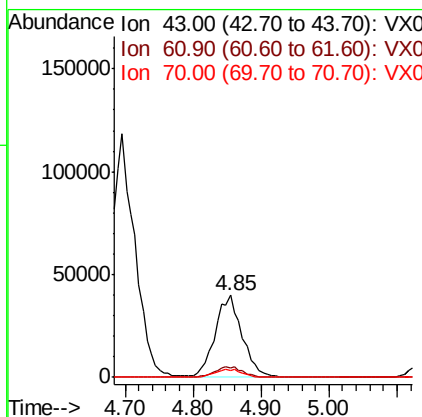
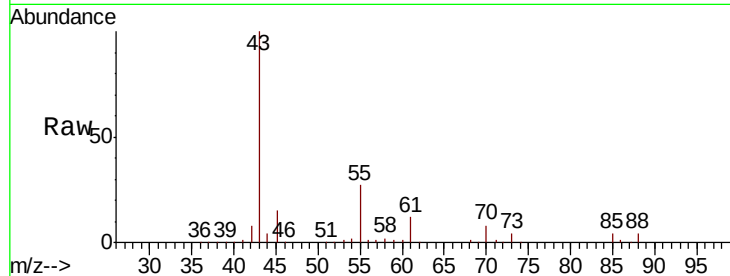
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	109200
Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.8	16.2
70	9.8	7.8	11.8

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#38

Carbon Tetrachloride

Concen: 49.285 ug/l

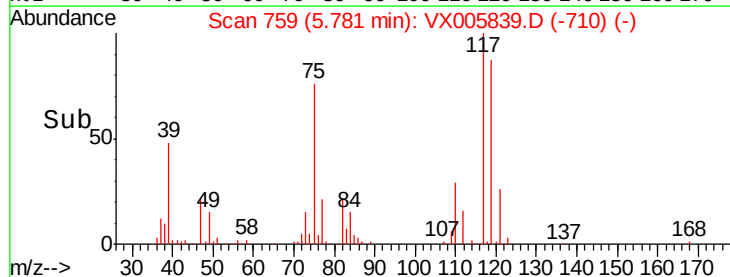
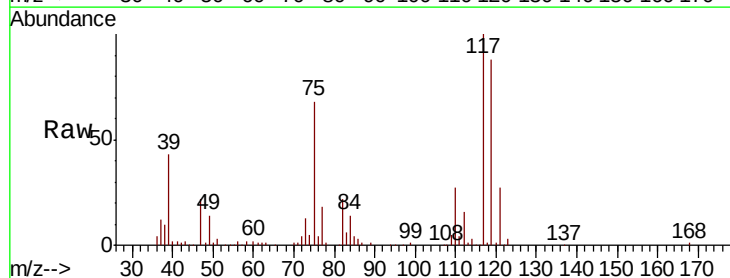
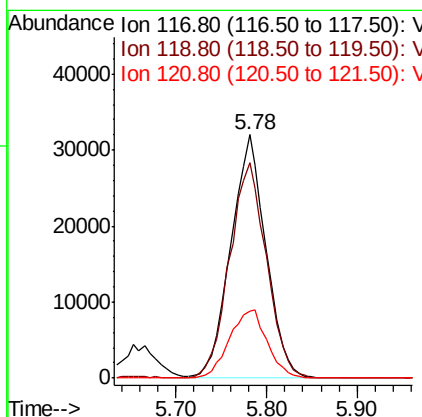
RT: 5.78 min Scan# 759

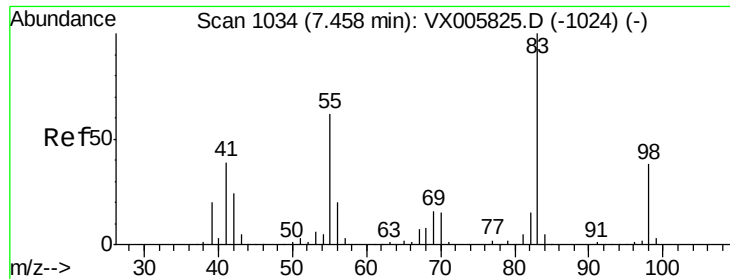
Delta R.T. 0.00 min

Lab File: VX005839.D

Acq: 08 Nov 2018 11:31

Tgt Ion:	117	Resp:	85843
Ion	Ratio	Lower	Upper
117	100		
119	88.4	78.1	117.1
121	27.3	24.6	36.8





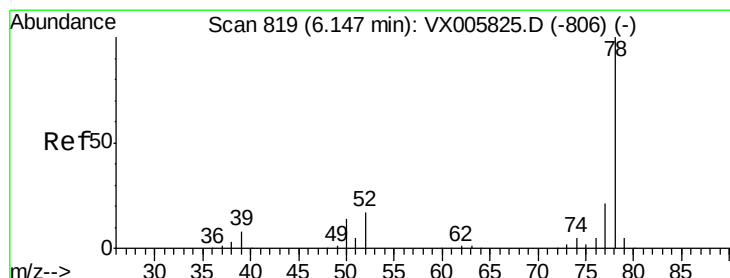
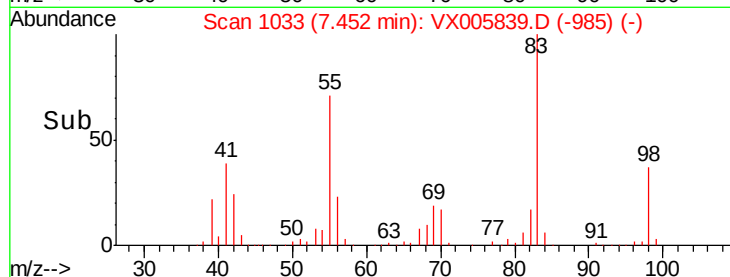
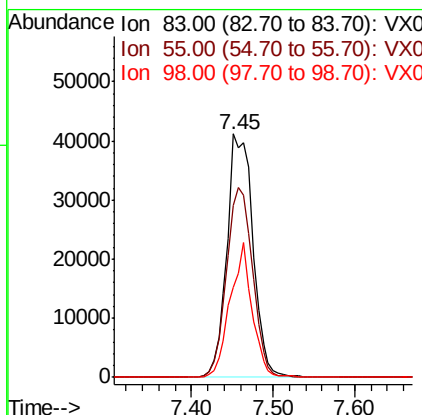
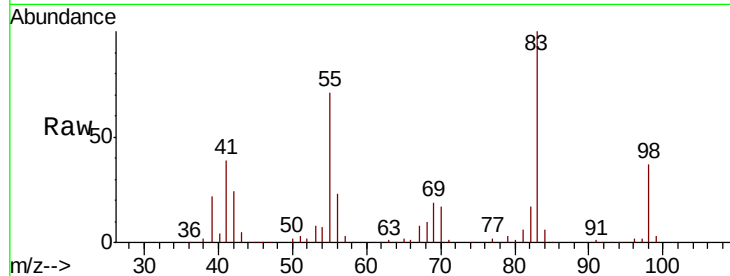
#39
Methylvlcyclohexane
Concen: 51.252 ug/l
RT: 7.45 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.7	63.7	95.5
98	37.2	36.2	54.2

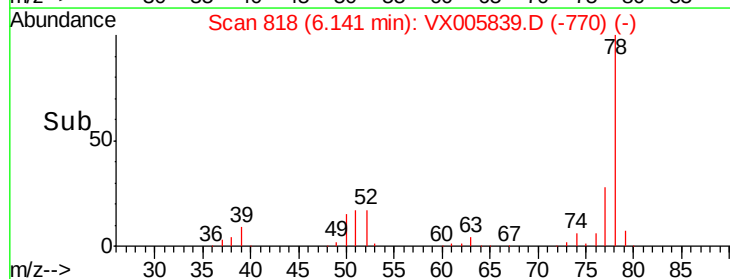
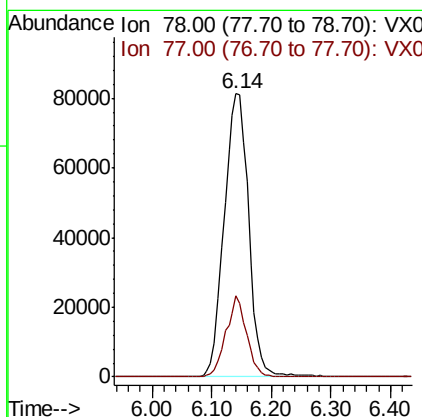
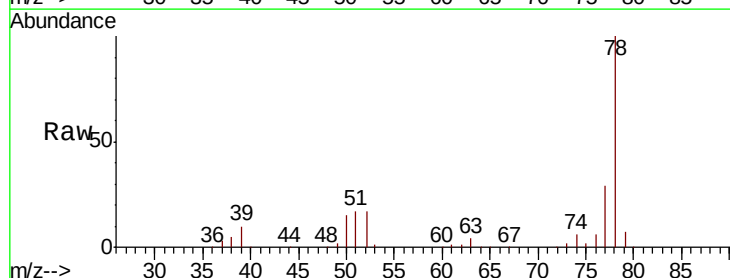
Manual Integrations
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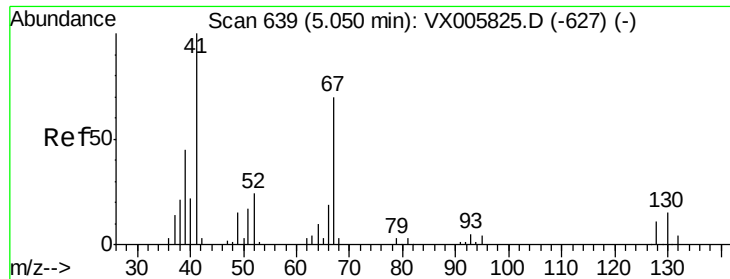
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#40
Benzene
Concen: 45.689 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	28.6	18.4	27.6#





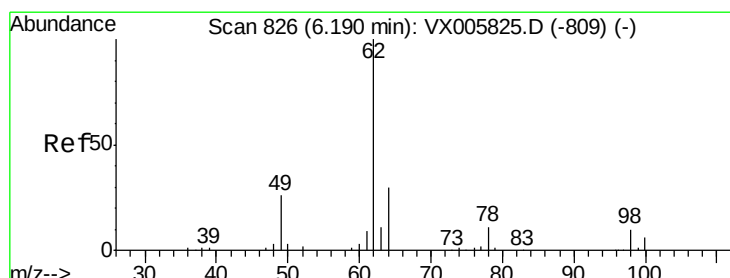
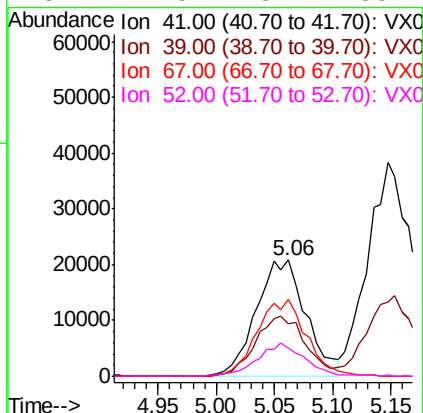
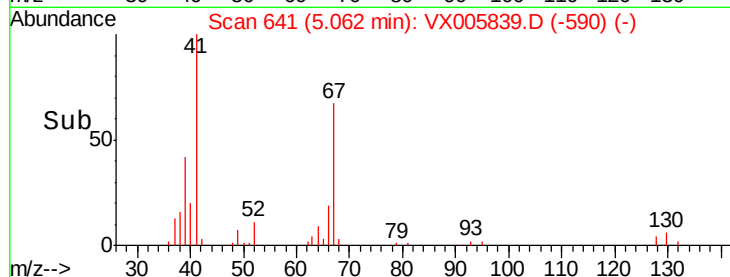
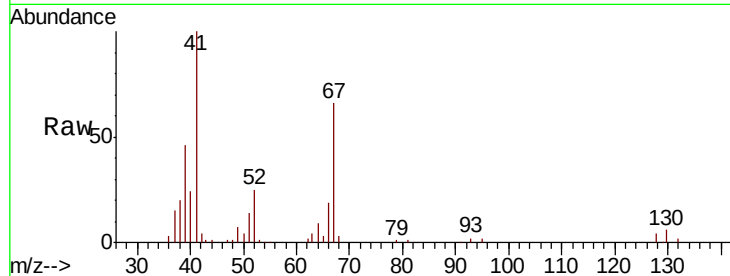
#41
Methacrylonitrile
Concen: 49.926 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	61722
Ion	Ratio	Lower	Upper
41	100		
39	51.9	42.2	63.2
67	65.5	53.4	80.0
52	27.5	23.4	35.2

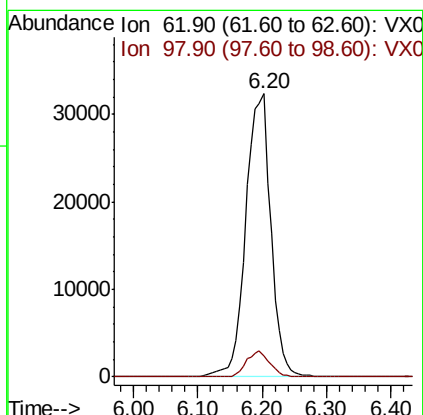
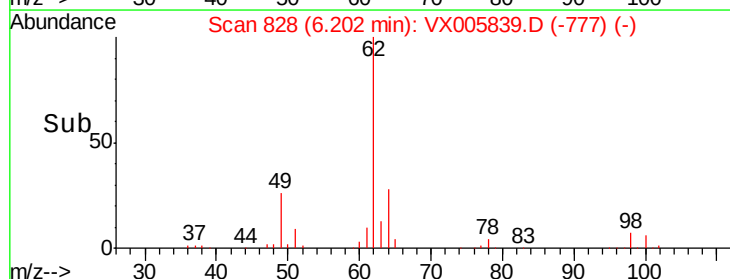
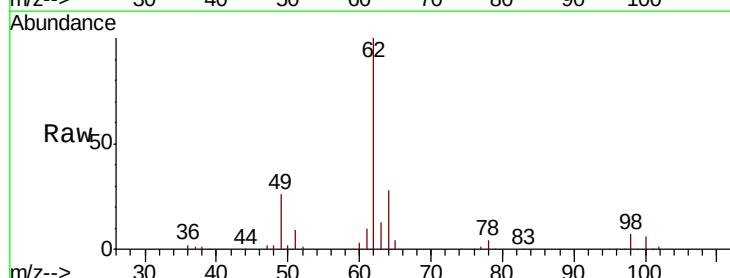
Manual Integrations
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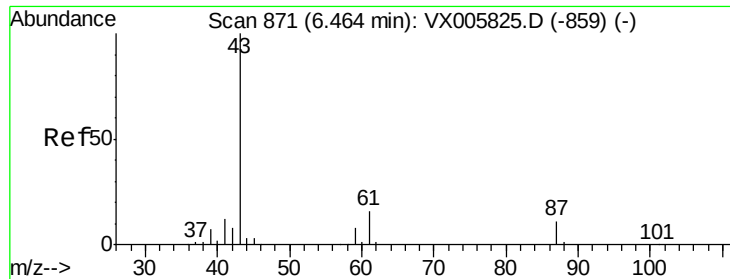
MMDadoda
11/9/2018 11:37:00 AM



#42
1,2-Dichloroethane
Concen: 47.181 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Tgt Ion:	62	Resp:	85713
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.8





#43

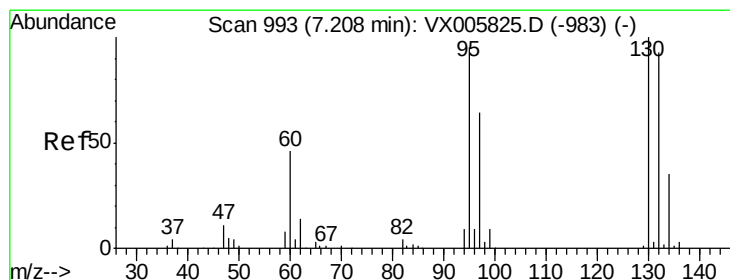
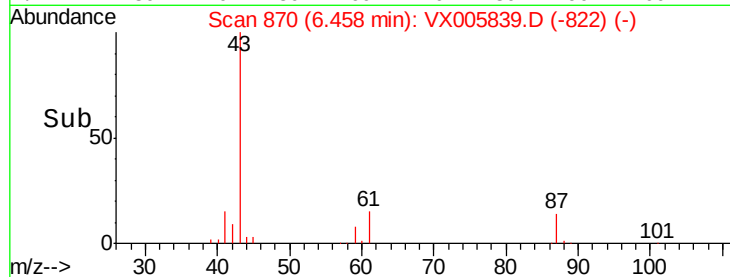
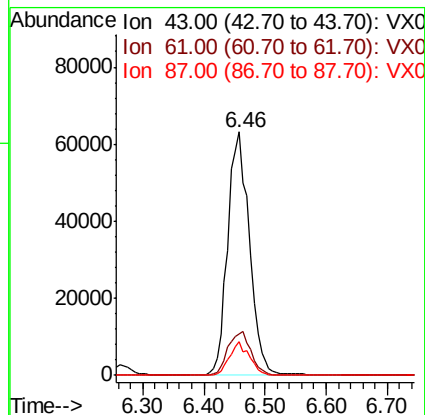
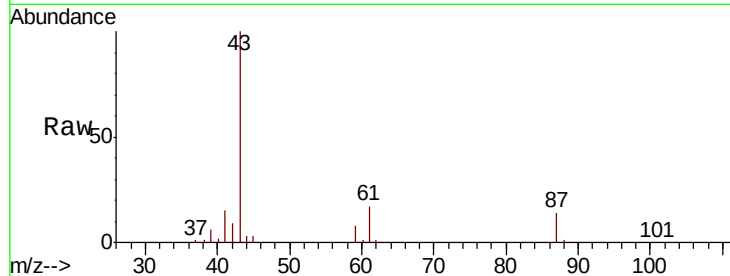
Isopropyl Acetate
 Concen: 46.816 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX005839.D
 Acq: 08 Nov 2018 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.6	22.0
87	12.7	9.6	14.4

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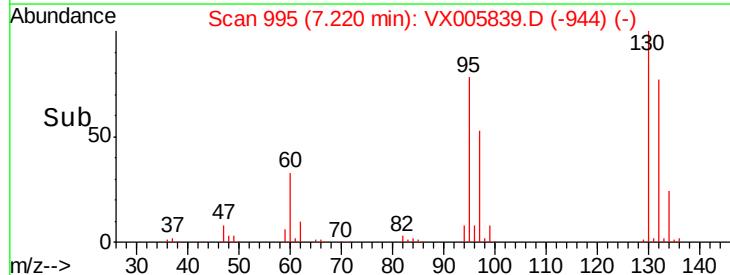
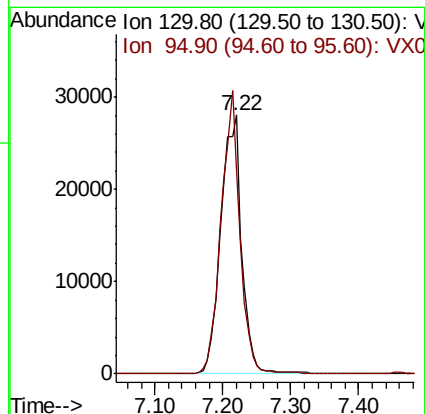
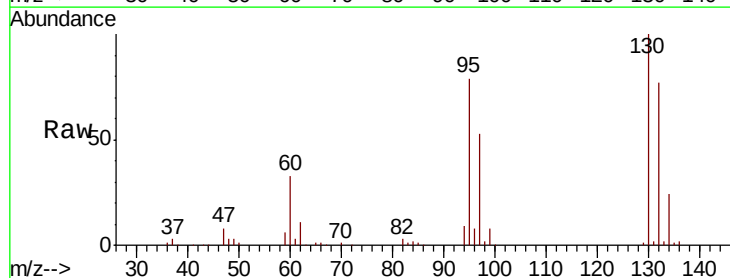
MMDadoda
 11/9/2018 11:37:00 AM

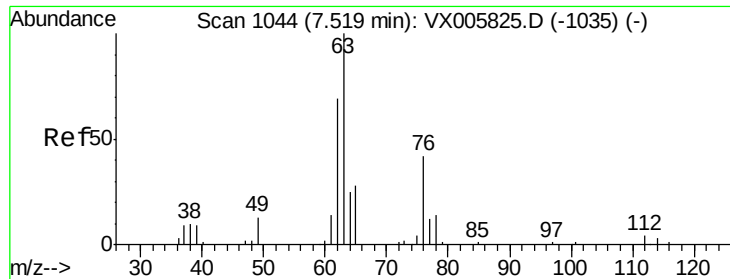


#44

Trichloroethene
 Concen: 46.418 ug/l
 RT: 7.22 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: VX005839.D
 Acq: 08 Nov 2018 11:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	78.6	0.0	194.2





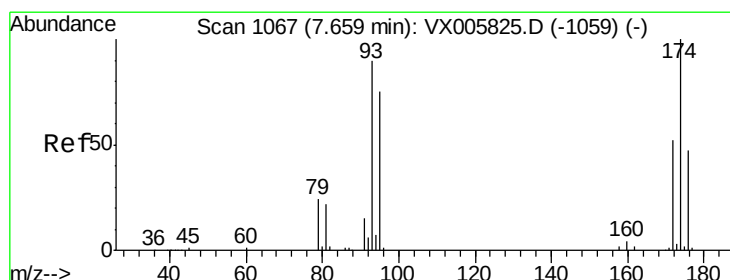
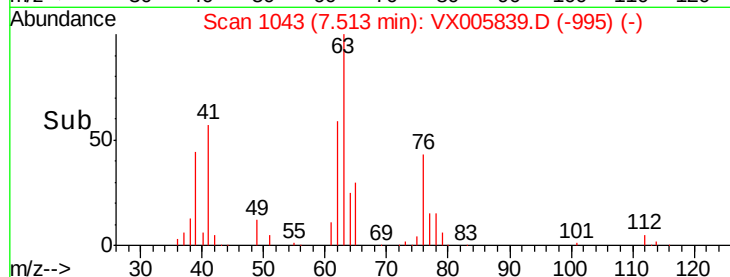
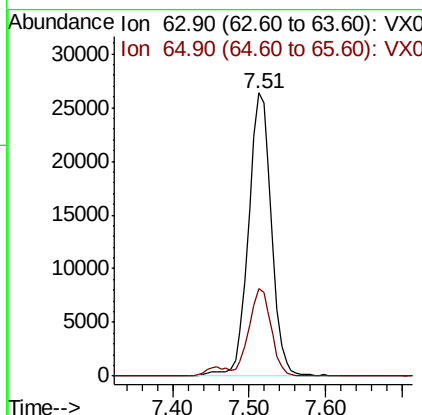
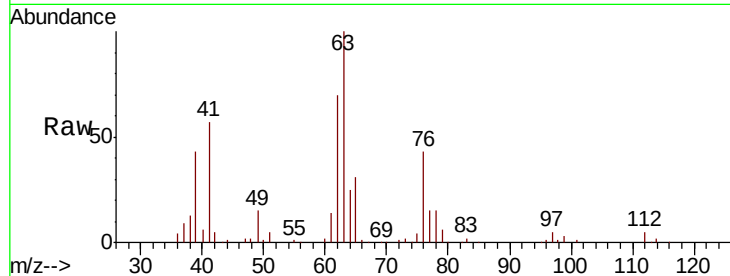
#45
 1,2-Dichloropropane
 Concen: 44.801 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX005839.D
 Acq: 08 Nov 2018 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 55153
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.8 37.2

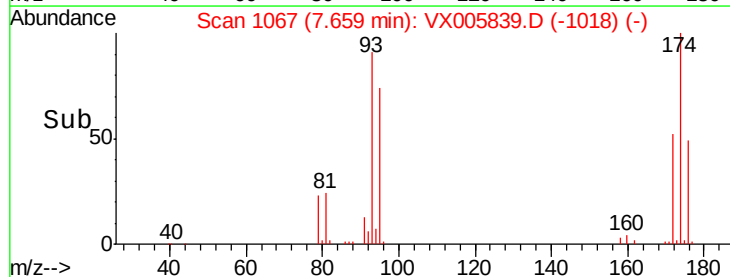
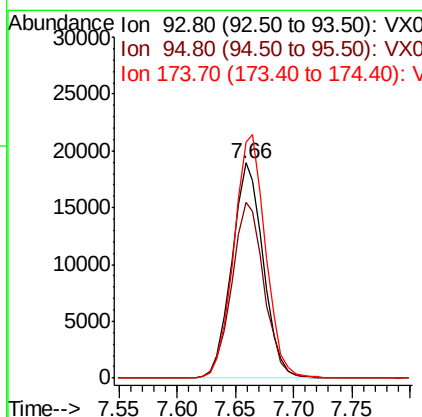
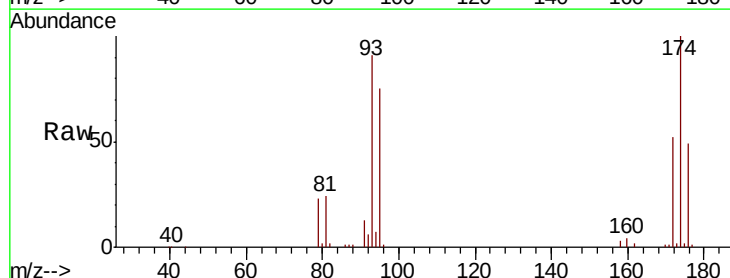
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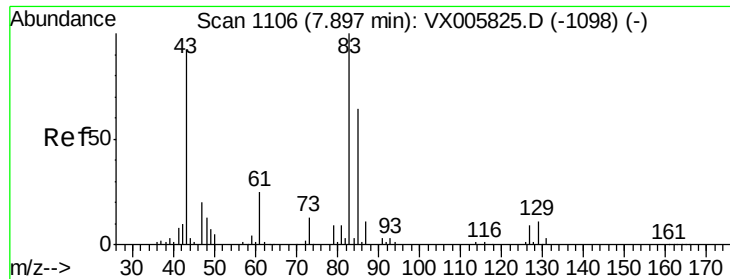
MMDadoda
 11/9/2018 11:37:00 AM



#46
 Dibromomethane
 Concen: 46.132 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX005839.D
 Acq: 08 Nov 2018 11:31

Tgt Ion: 93 Resp: 35637
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.4 101.0
 174 113.9 91.5 137.3





#47

Bromodichloromethane

Concen: 48.412 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX005839.D

Acq: 08 Nov 2018 11:31

Instrument :

MSVOA_X

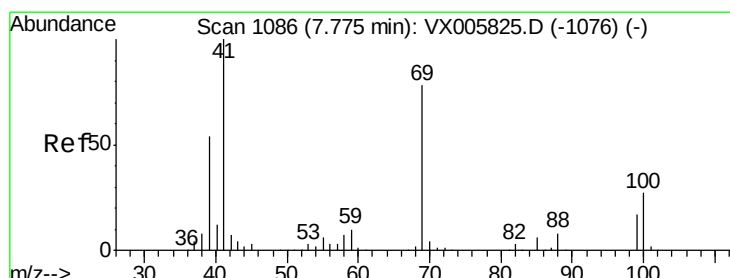
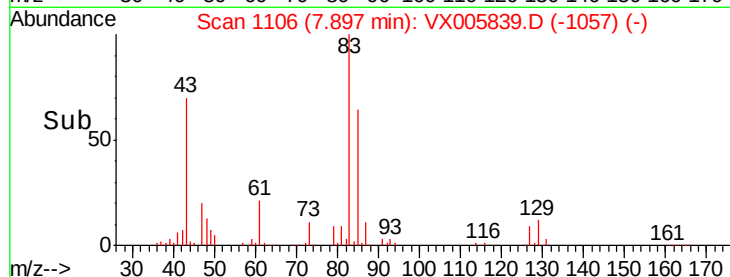
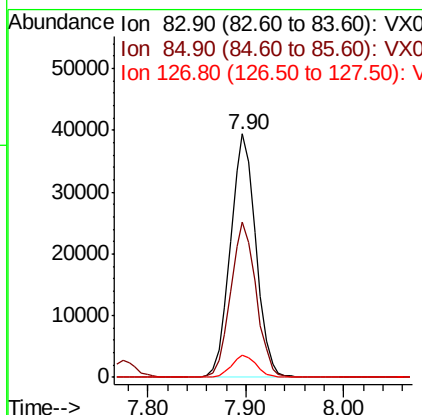
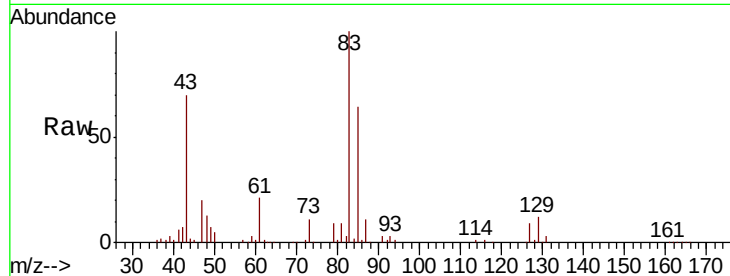
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	70679
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.2	75.4
127	8.9	6.9	10.3

Manual Integrations
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MMDadoda
11/9/2018 11:37:00 AM



#48

Methyl methacrylate

Concen: 48.678 ug/l

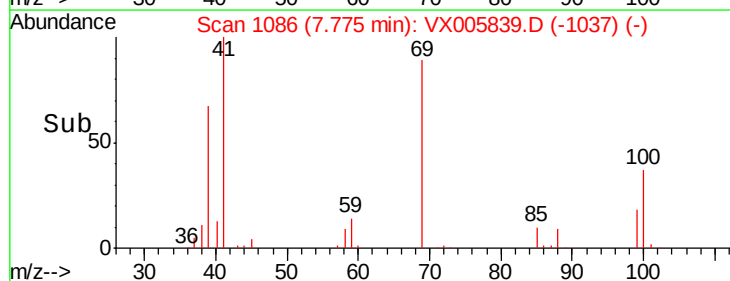
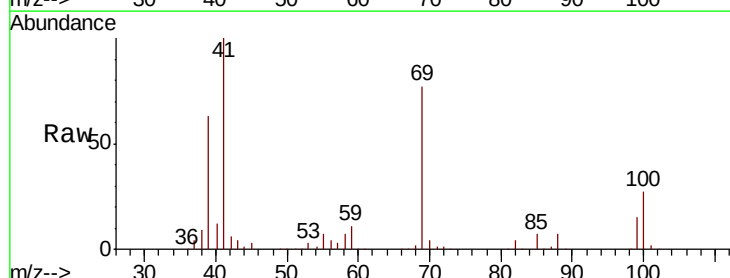
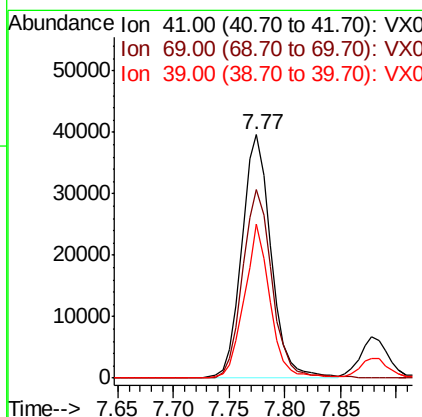
RT: 7.77 min Scan# 1086

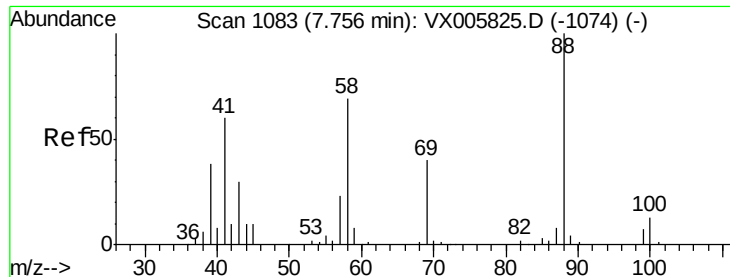
Delta R.T. 0.00 min

Lab File: VX005839.D

Acq: 08 Nov 2018 11:31

Tgt Ion:	41	Resp:	72462
Ion	Ratio	Lower	Upper
41	100		
69	78.2	63.2	94.8
39	55.6	42.2	63.2





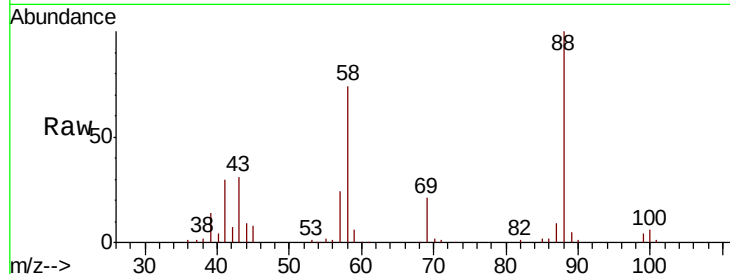
#49
1,4-Dioxane
Concen: 941.602 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.0	27.4	41.0
58	76.4	59.4	89.2

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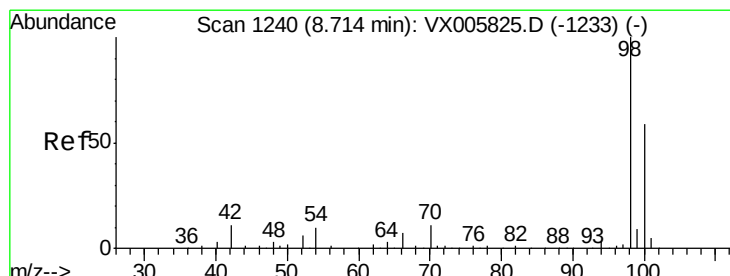
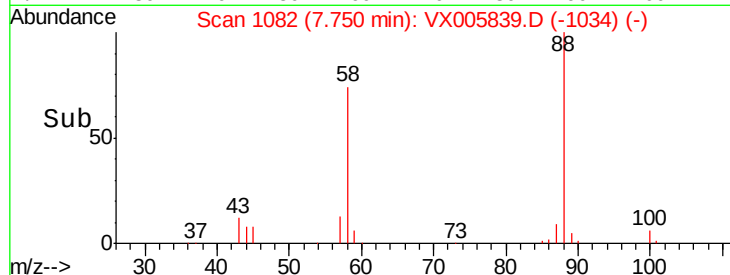
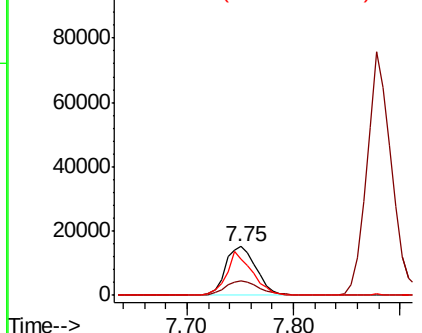


Abundance

Ion 88.00 (87.70 to 88.70): VX0

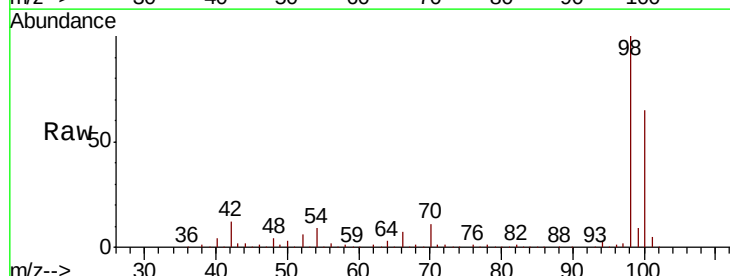
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 48.564 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

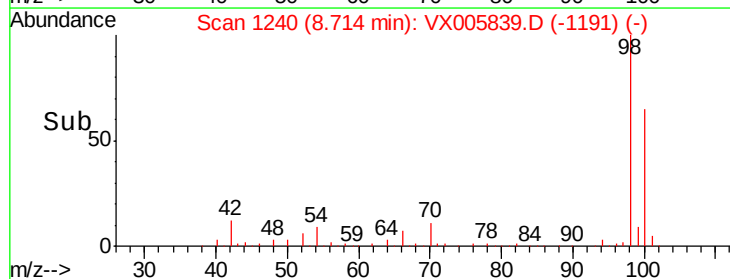
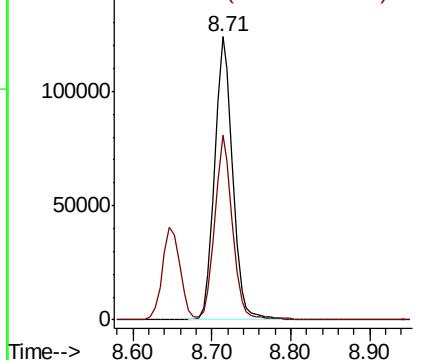
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.3	76.9

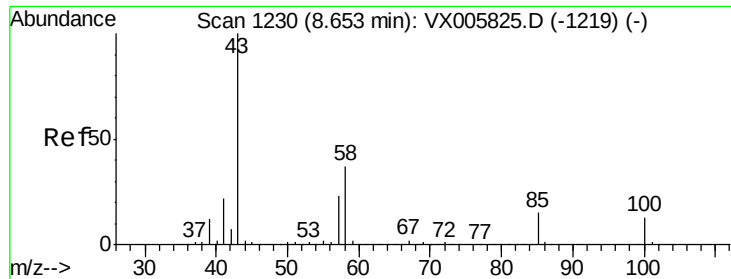


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 231.934 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005839.D

Acq: 08 Nov 2018 11:31

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 484601

Ion Ratio Lower Upper

43 100

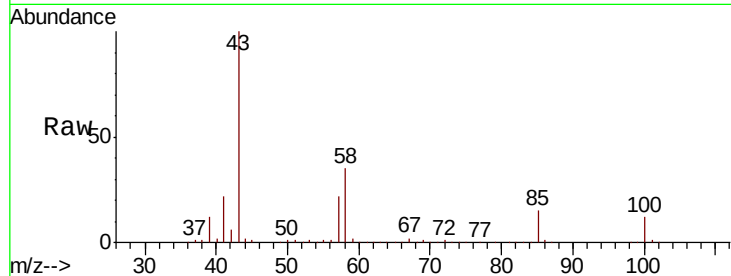
58 36.2 29.7 44.5

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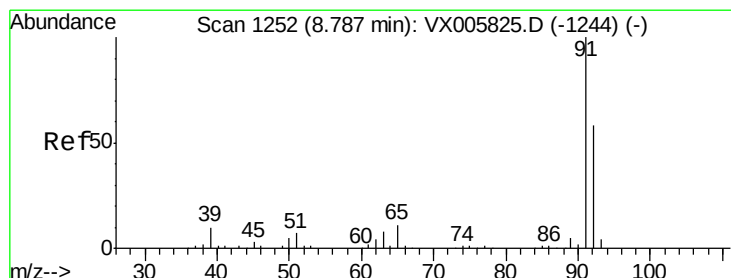
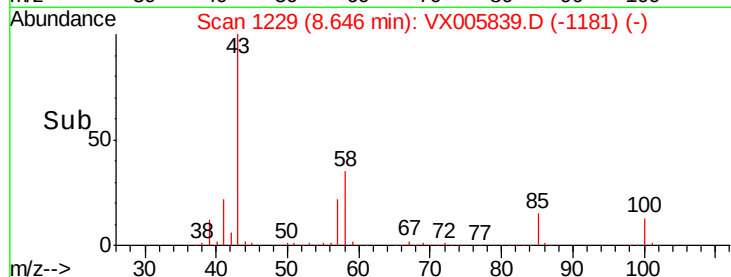
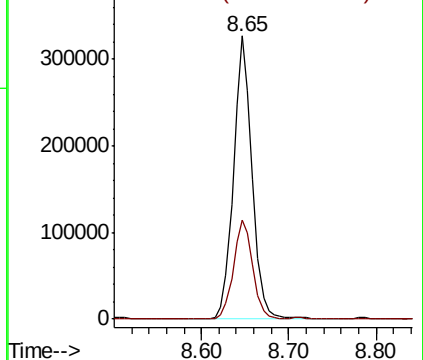
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 45.331 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX005839.D

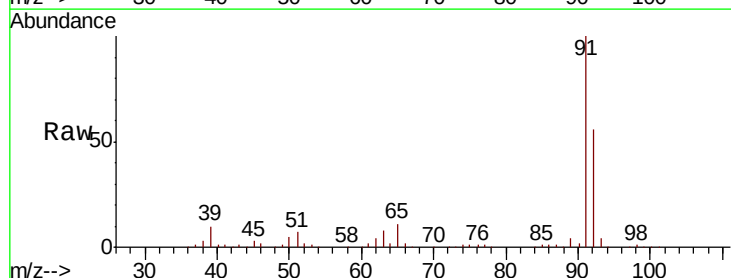
Acq: 08 Nov 2018 11:31

Tgt Ion: 92 Resp: 128501

Ion Ratio Lower Upper

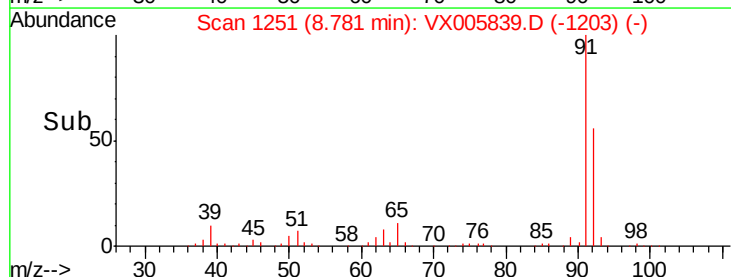
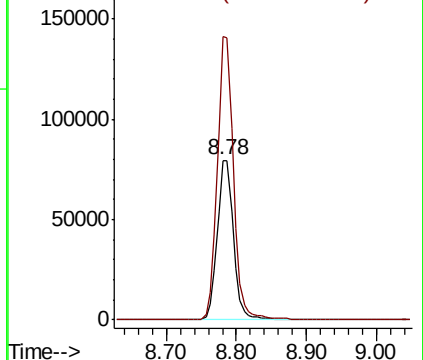
92 100

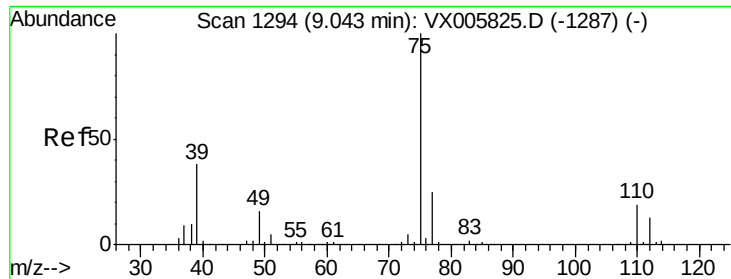
91 177.2 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





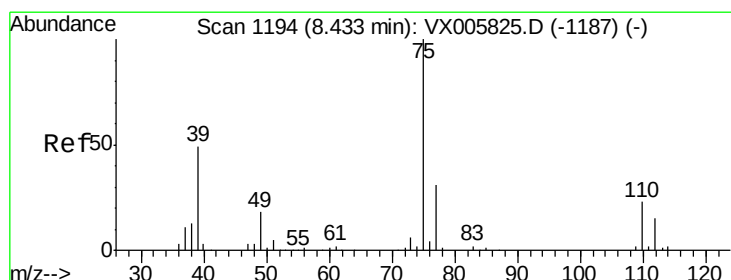
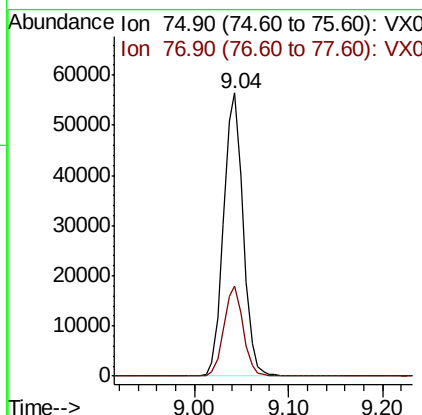
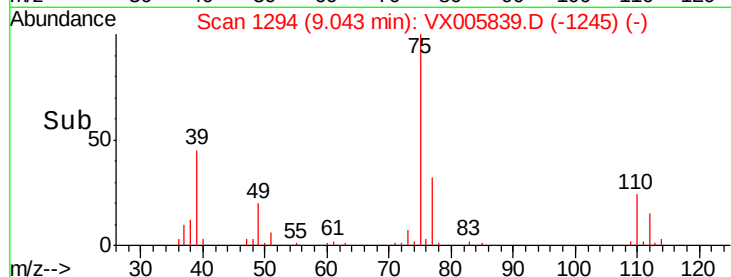
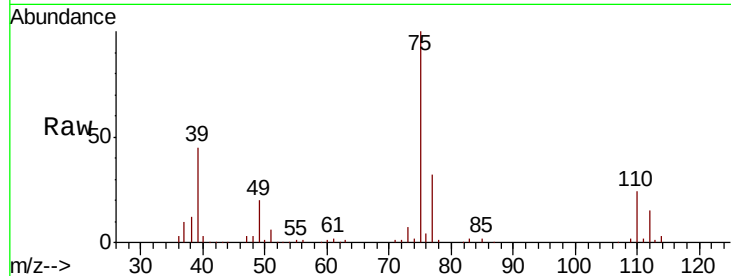
#53
t-1,3-Dichloropropene
Concen: 47.169 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 81265
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2

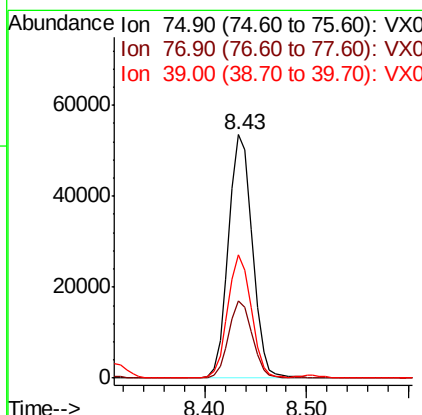
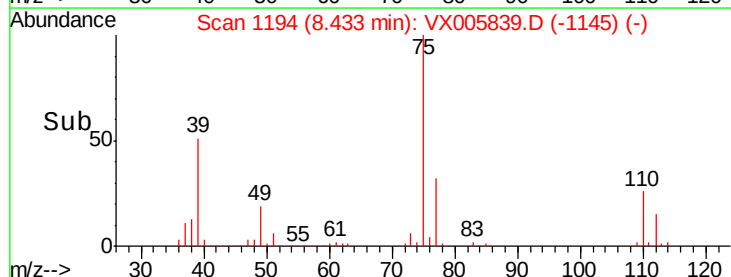
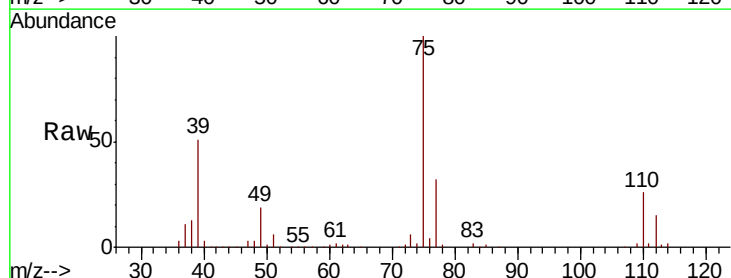
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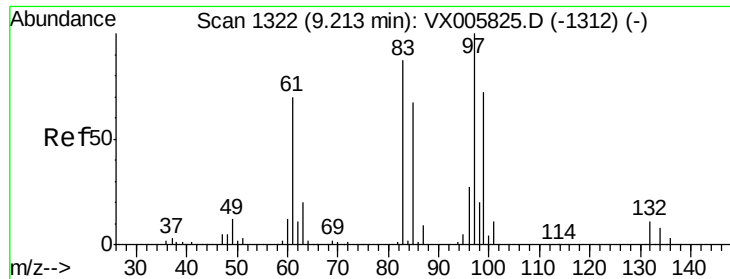
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 49.374 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Tgt Ion: 75 Resp: 86703
Ion Ratio Lower Upper
75 100
77 31.8 25.2 37.8
39 50.5 38.2 57.2





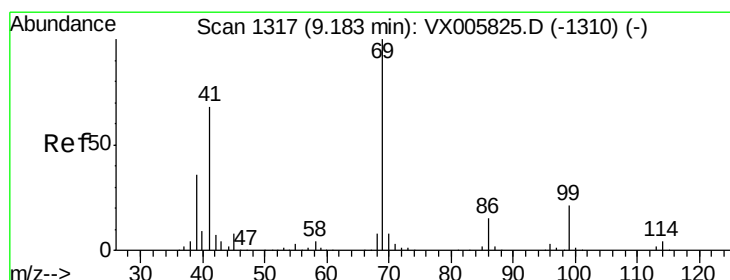
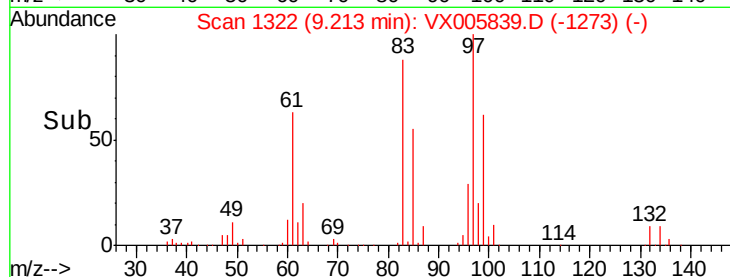
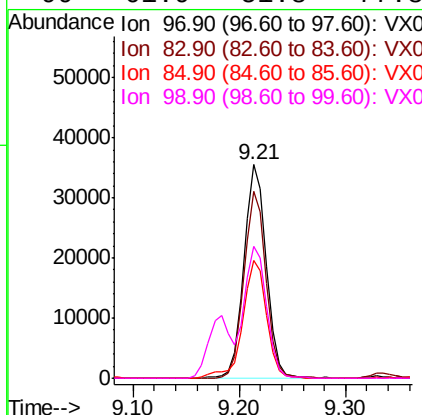
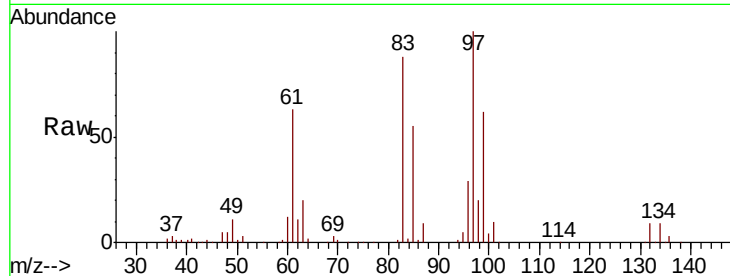
#55
 1,1,2-Trichloroethane
 Concen: 41.532 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX005839.D
 Acq: 08 Nov 2018 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	87.5	70.7	106.1	
85	55.2	45.8	68.6	
99	61.9	51.8	77.8	

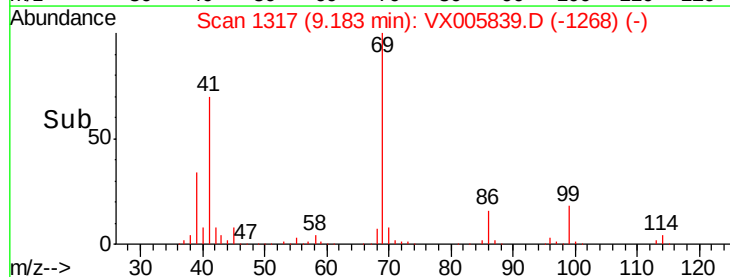
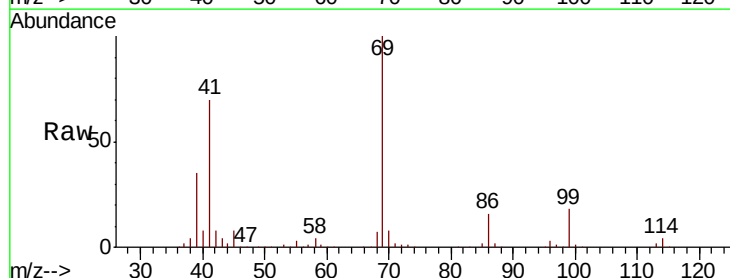
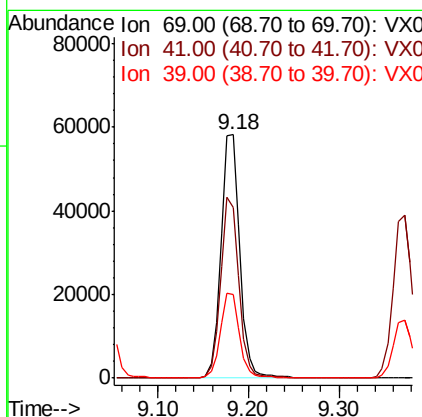
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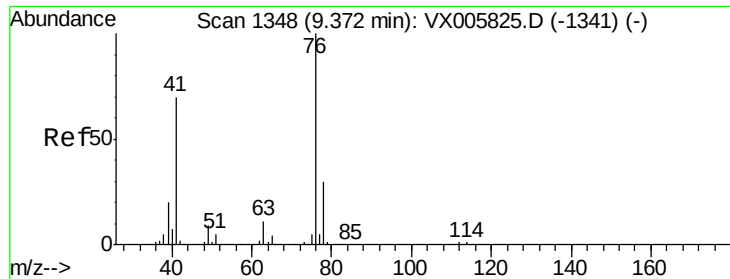
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 11/9/2018 11:37:00 AM



#56
 Ethyl methacrylate
 Concen: 44.494 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005839.D
 Acq: 08 Nov 2018 11:31

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	72.0	57.0	85.6	
39	35.5	28.3	42.5	





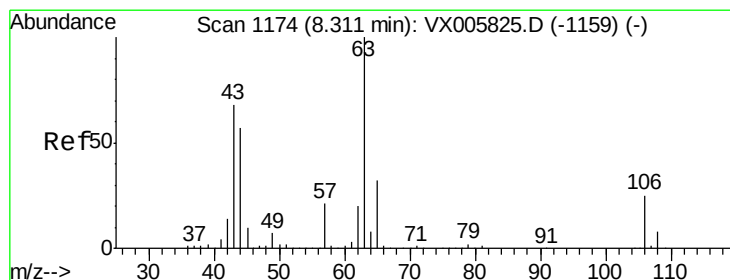
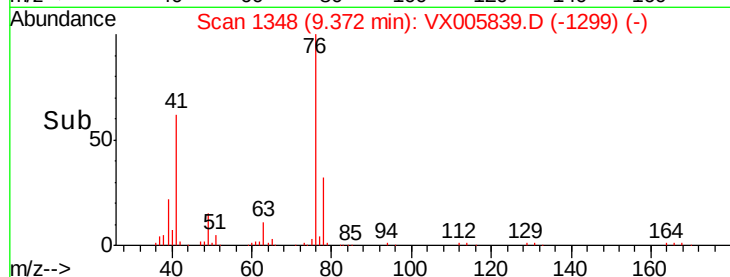
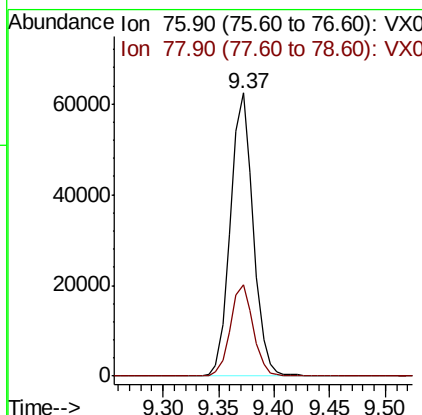
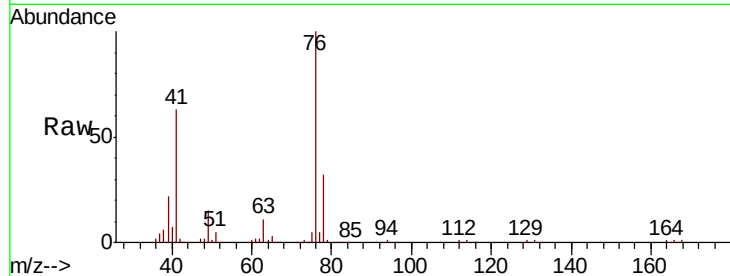
#57
 1,3-Dichloropropane
 Concen: 41.743 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX005839.D
 Acq: 08 Nov 2018 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 88622
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.3 37.9

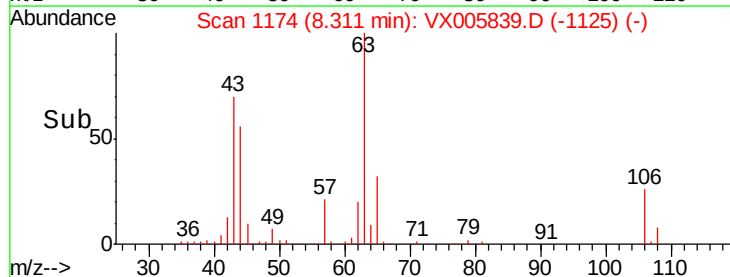
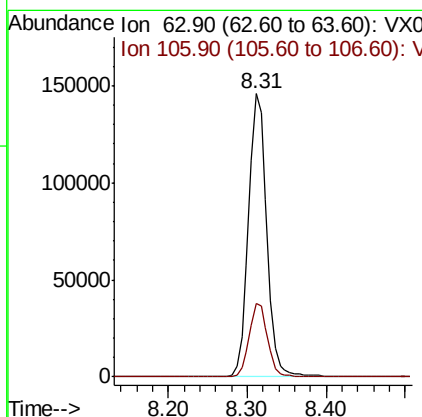
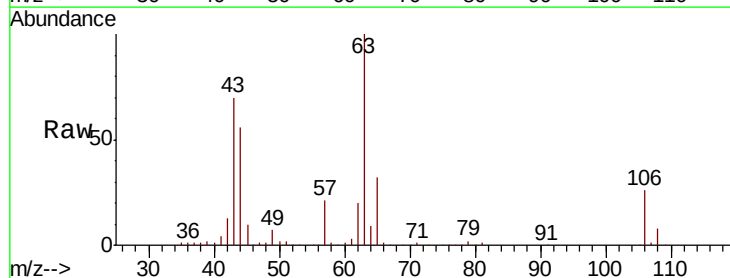
Manual Integrations
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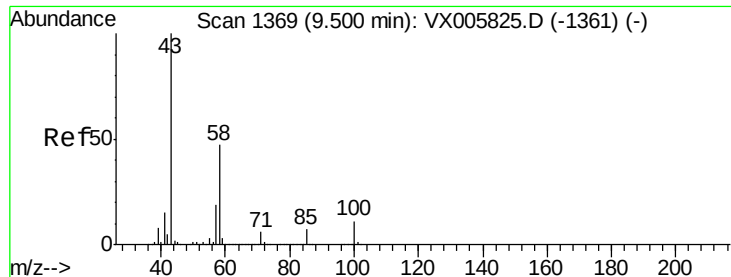
MMDadoda
 11/9/2018 11:37:00 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 228.951 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX005839.D
 Acq: 08 Nov 2018 11:31

Tgt Ion: 63 Resp: 235084
 Ion Ratio Lower Upper
 63 100
 106 26.3 21.3 31.9





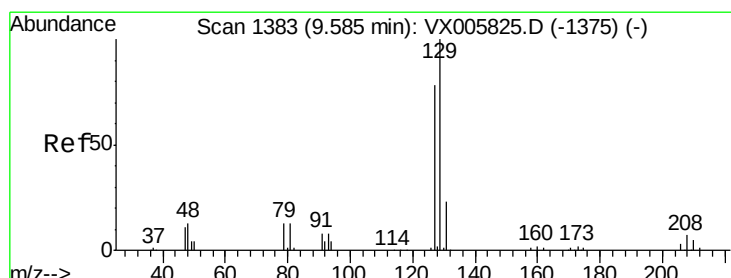
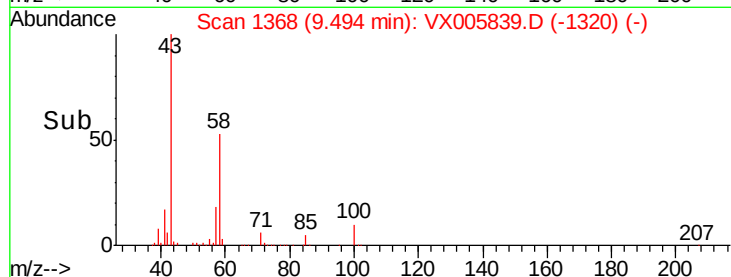
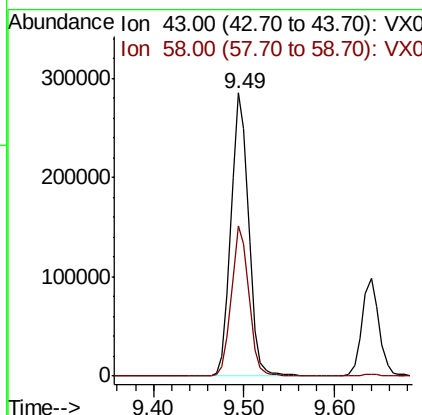
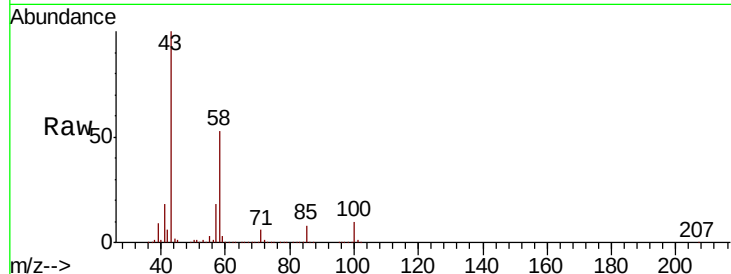
#59
2-Hexanone
Concen: 209.322 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 385509
Ion Ratio Lower Upper
43 100
58 52.3 25.9 77.8

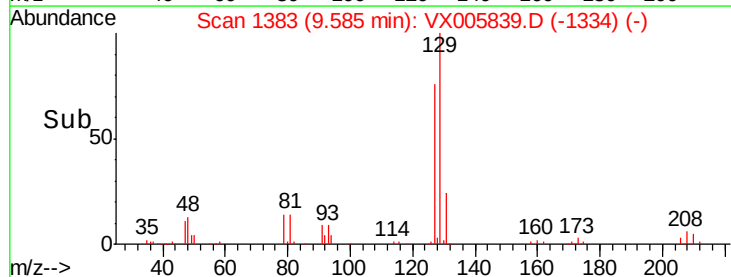
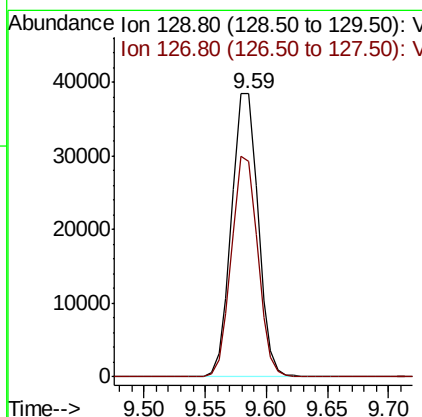
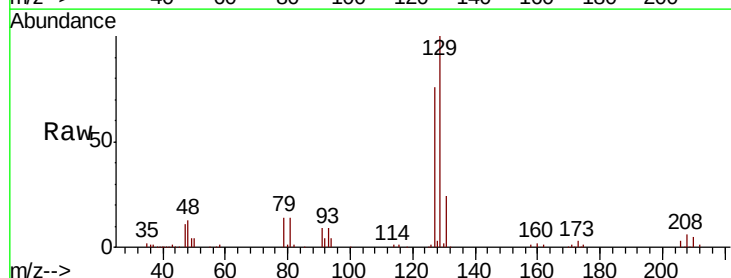
Manual Integrations
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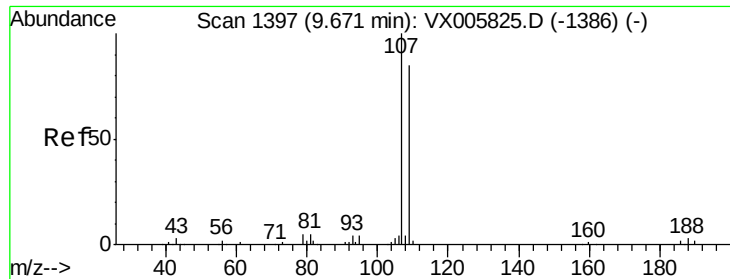
MMDadoda
11/9/2018 11:37:00 AM



#60
Dibromochloromethane
Concen: 42.430 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Tgt Ion: 129 Resp: 57932
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.7





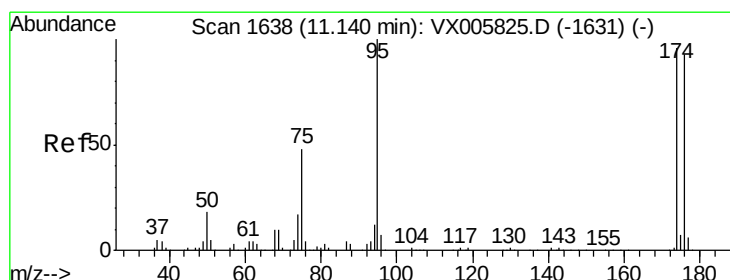
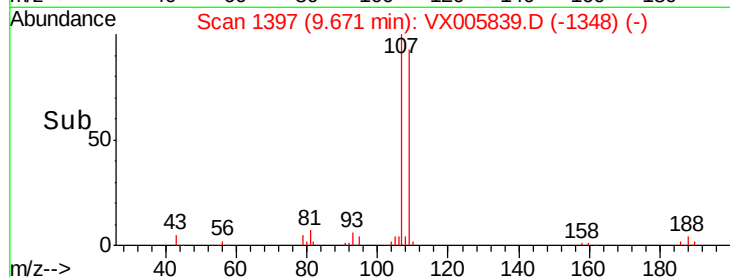
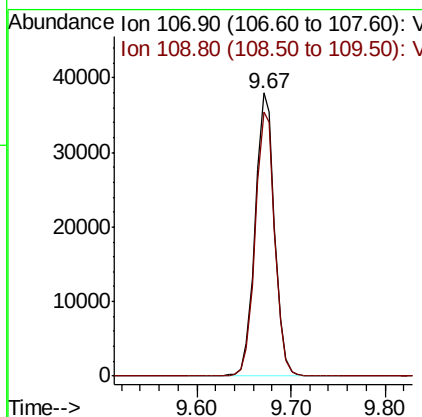
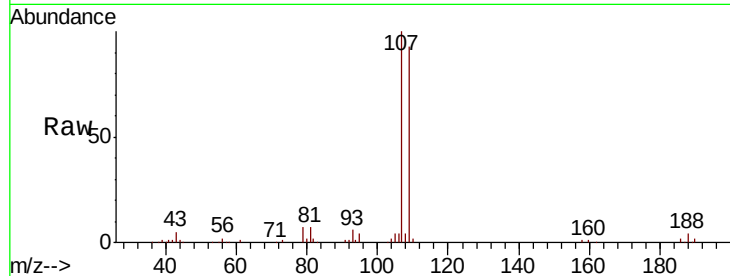
#61
 1,2-Dibromoethane
 Concen: 39.664 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX005839.D
 Acq: 08 Nov 2018 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 55410
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.7 113.5

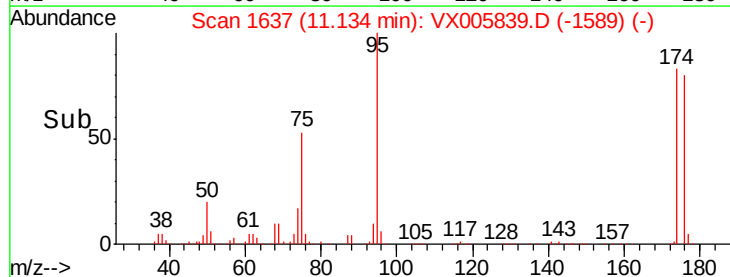
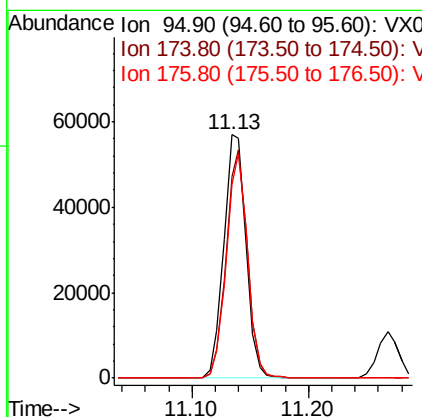
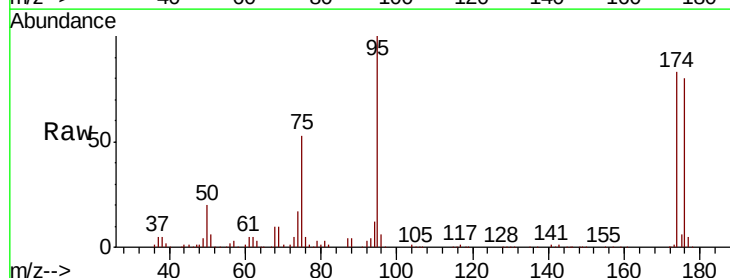
Manual Integrations
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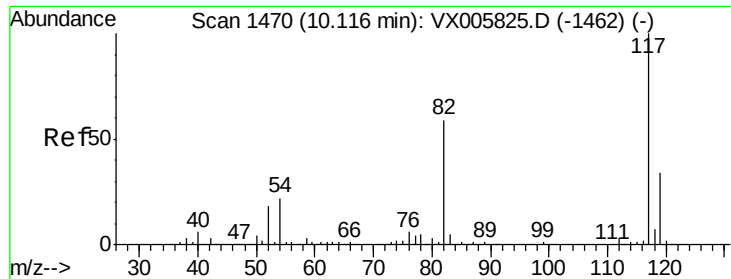
MMDadoda
 11/9/2018 11:37:00 AM



#62
 4-Bromofluorobenzene
 Concen: 51.146 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.01 min
 Lab File: VX005839.D
 Acq: 08 Nov 2018 11:31

Tgt Ion: 95 Resp: 75044
 Ion Ratio Lower Upper
 95 100
 174 90.4 0.0 184.4
 176 88.0 0.0 177.4





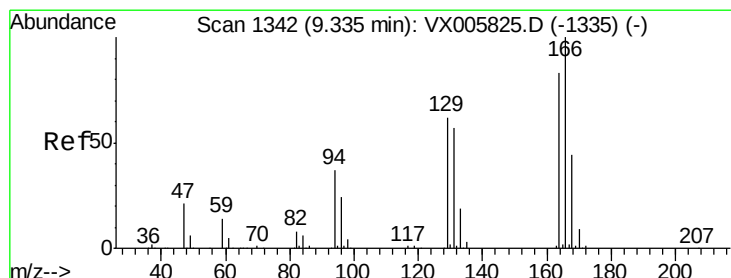
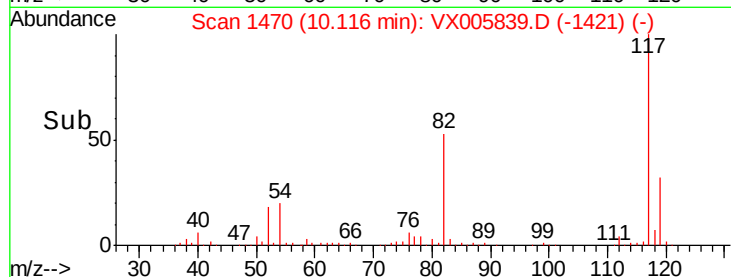
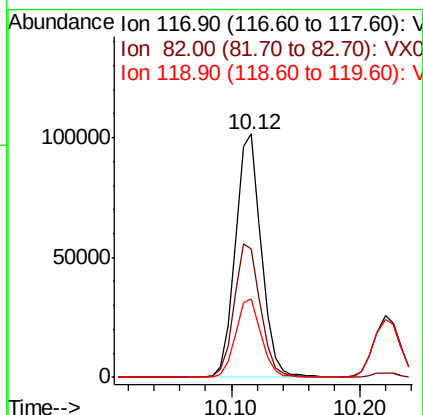
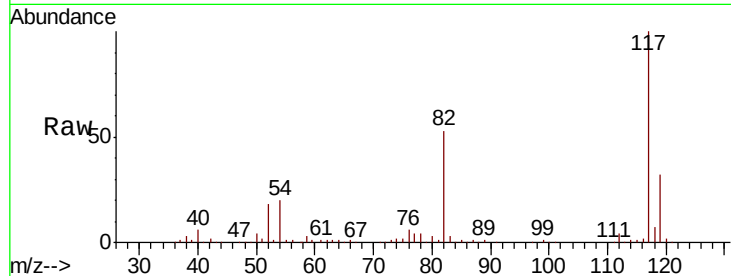
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	44.1	66.1
119	32.0	26.2	39.2

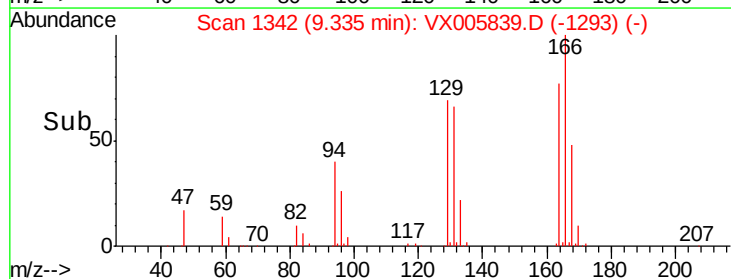
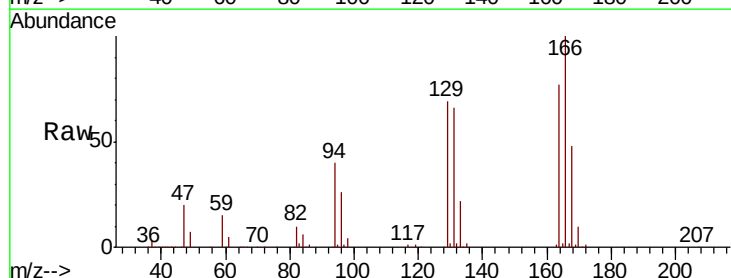
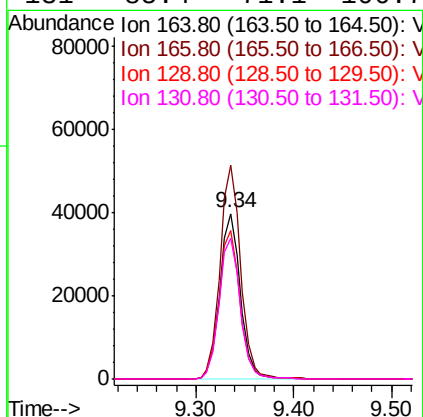
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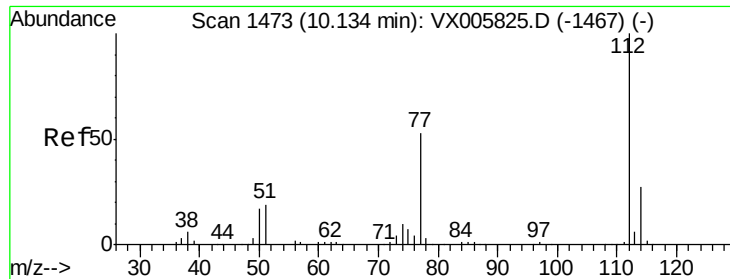
MMDadoda
11/9/2018 11:37:00 AM



#64
Tetrachloroethene
Concen: 48.349 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	101.9	152.9
129	89.4	72.6	109.0
131	85.4	71.1	106.7





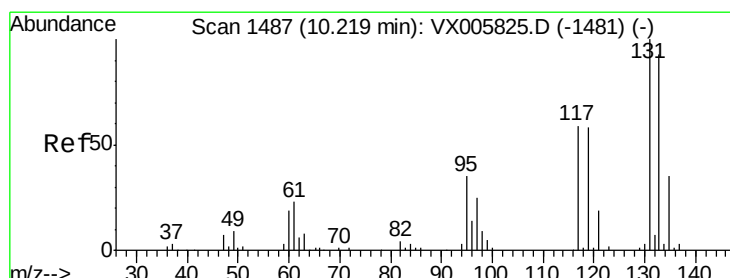
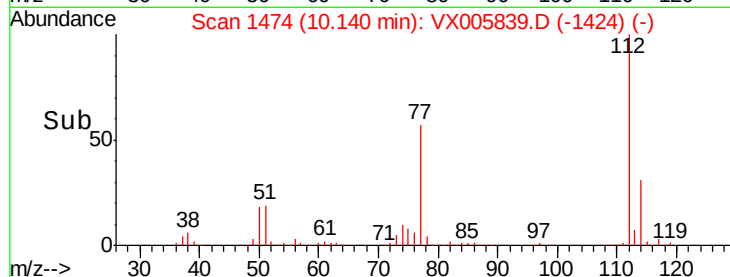
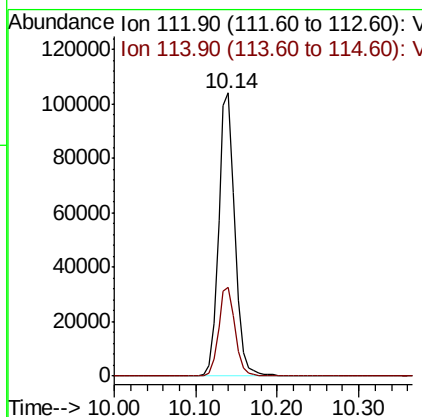
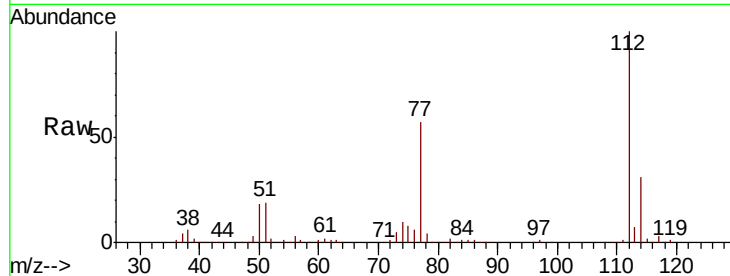
#65
Chlorobenzene
Concen: 51.150 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 145599
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.6

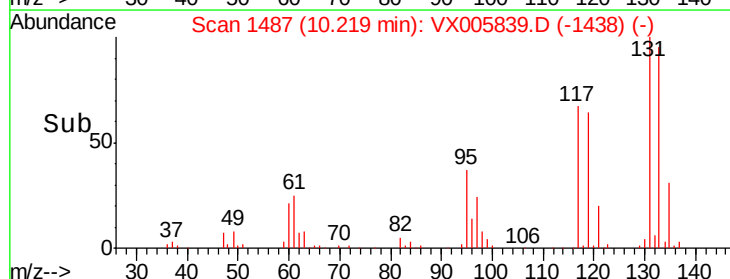
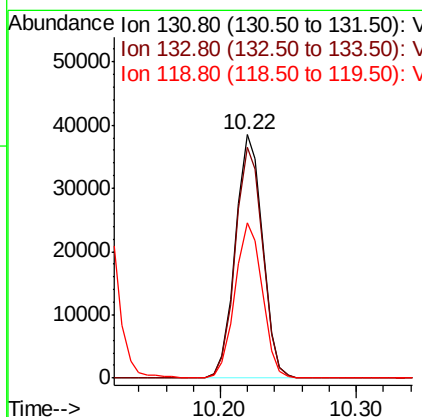
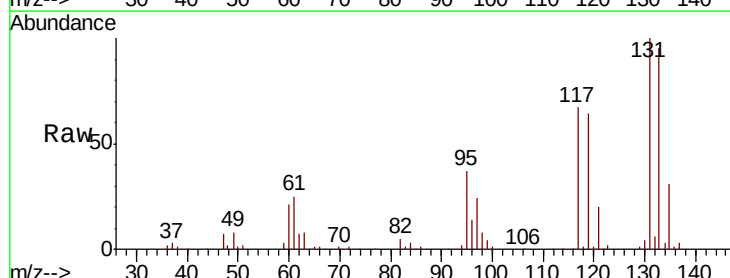
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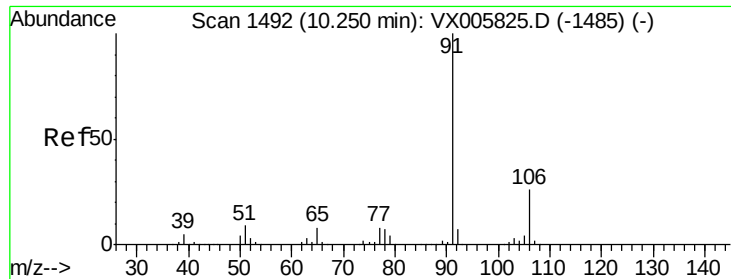
MMDadoda
11/9/2018 11:37:00 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.156 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Tgt Ion:131 Resp: 53594
Ion Ratio Lower Upper
131 100
133 95.6 47.5 142.5
119 64.1 31.8 95.3





#67

Ethyl Benzene

Concen: 55.945 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX005839.D

Acq: 08 Nov 2018 11:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 255362

Ion Ratio Lower Upper

91 100

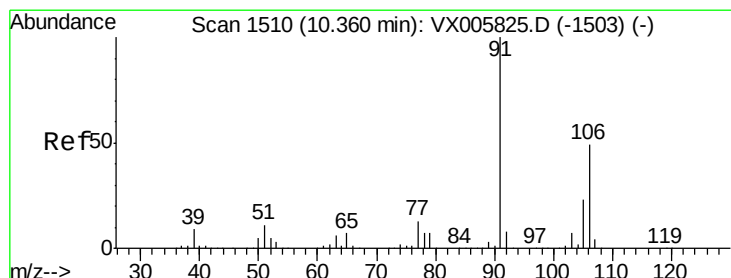
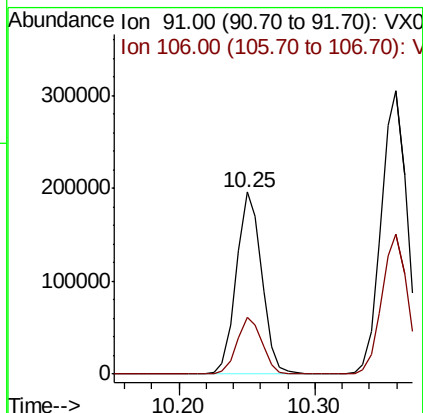
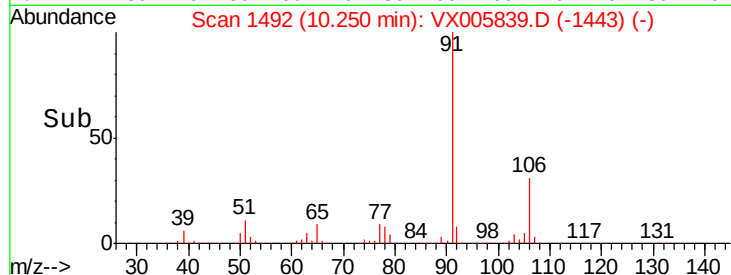
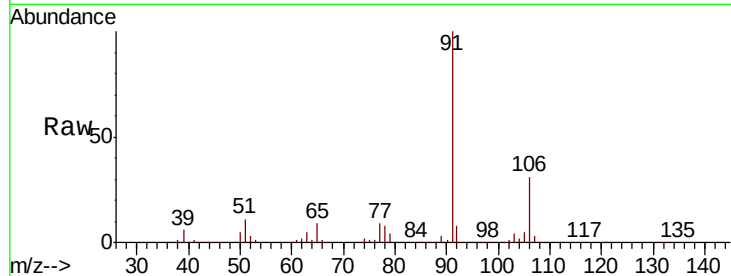
106 31.1 24.4 36.6

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#68

m/p-Xylenes

Concen: 114.427 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX005839.D

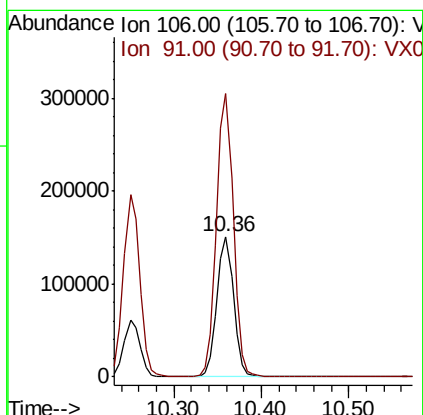
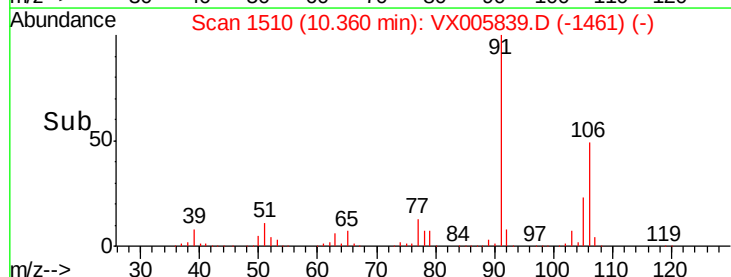
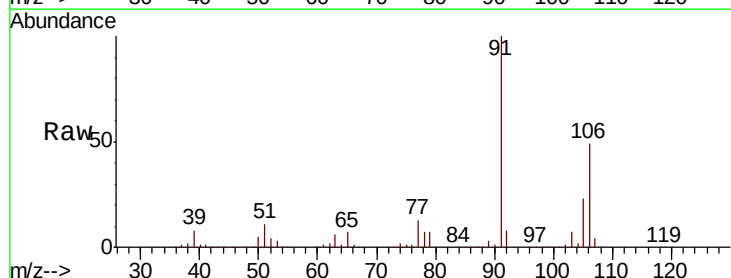
Acq: 08 Nov 2018 11:31

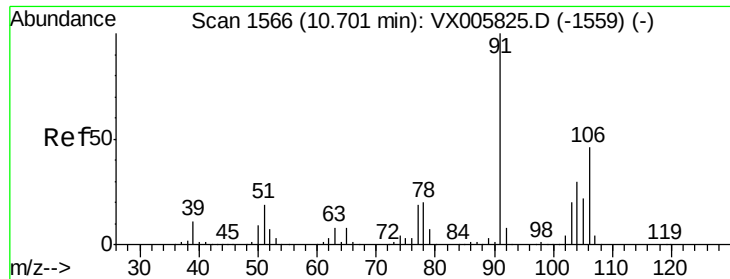
Tgt Ion: 106 Resp: 199226

Ion Ratio Lower Upper

106 100

91 204.5 164.2 246.4





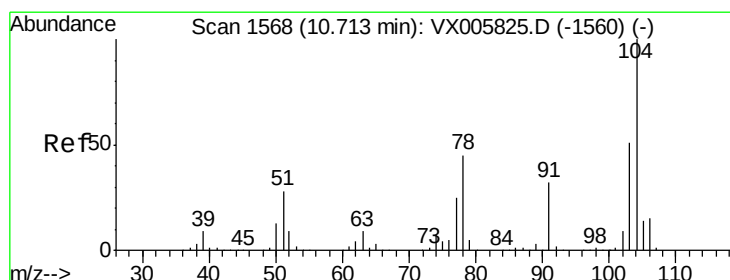
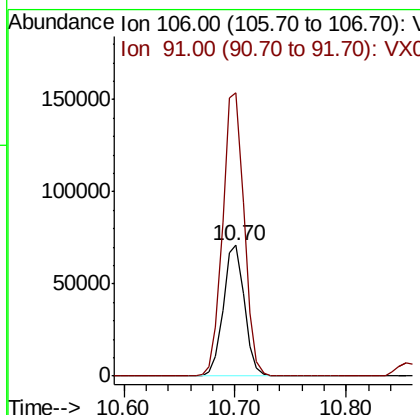
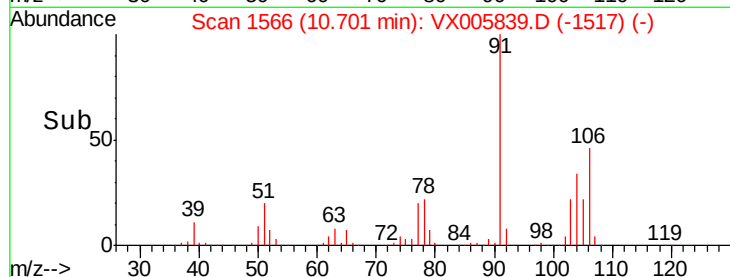
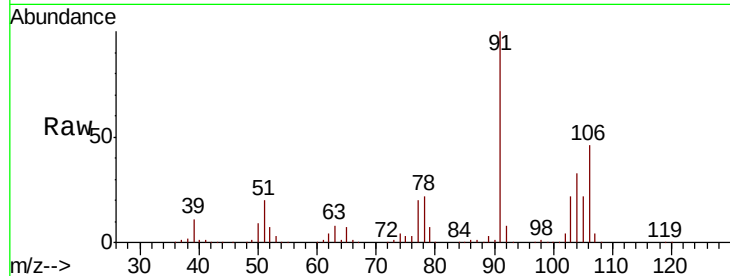
#69
o-Xylene
Concen: 59.491 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 92878
Ion Ratio Lower Upper
106 100
91 220.8 108.5 325.5

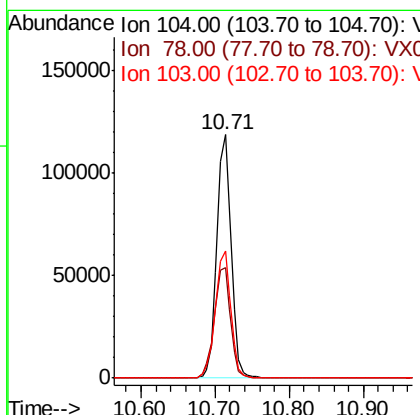
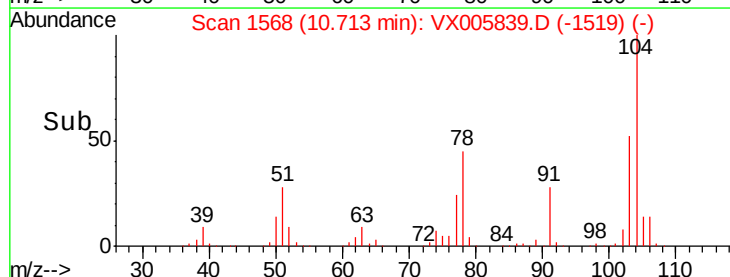
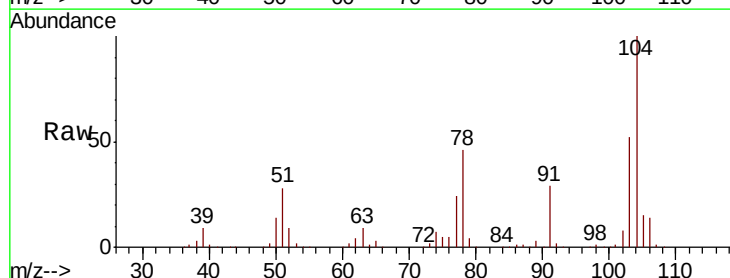
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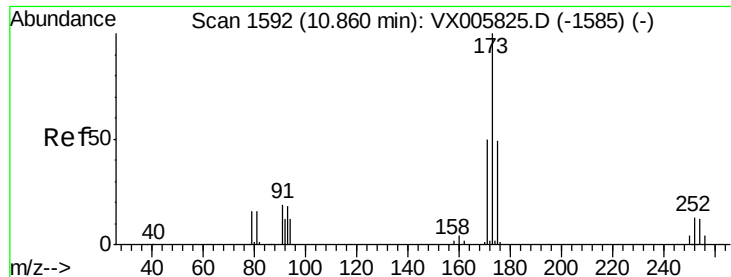
MMDadoda
11/9/2018 11:37:00 AM



#70
Styrene
Concen: 60.831 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Tgt Ion:104 Resp: 156667
Ion Ratio Lower Upper
104 100
78 51.5 40.2 60.4
103 56.4 44.9 67.3





#71

Bromoform

Concen: 58.168 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005839.D

Acq: 08 Nov 2018 11:31

Instrument :

MSVOA_X

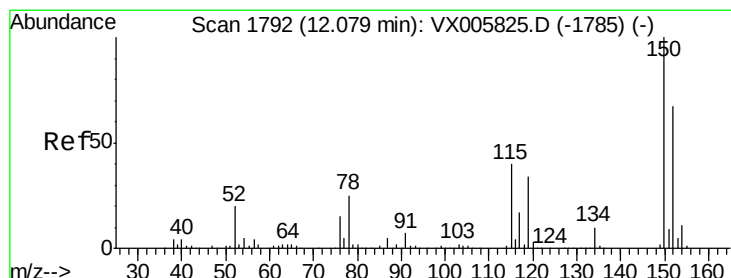
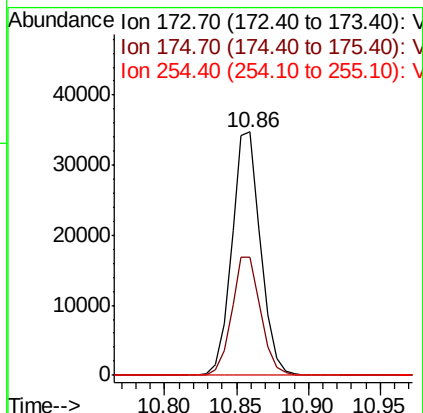
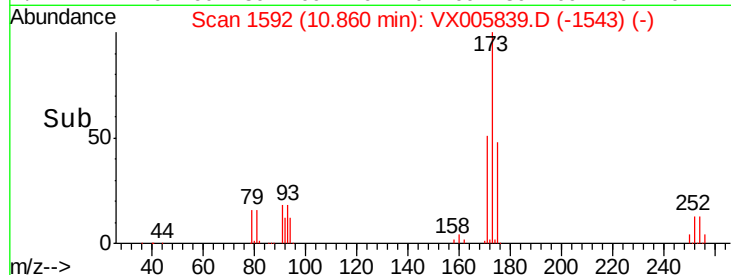
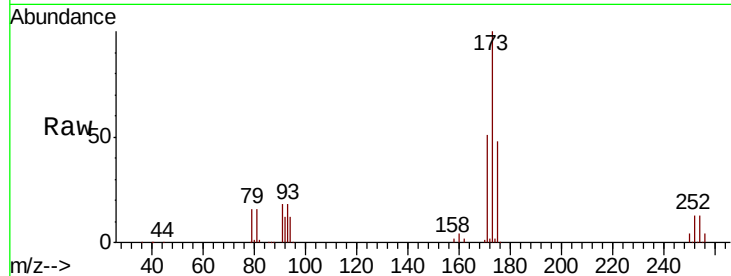
ClientSampled :

VSTDCCC050

Tot Ion:	173	Resp:	48255
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.8	74.3
254	0.2	0.2	0.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

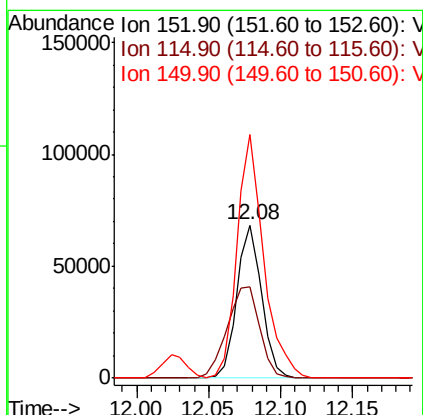
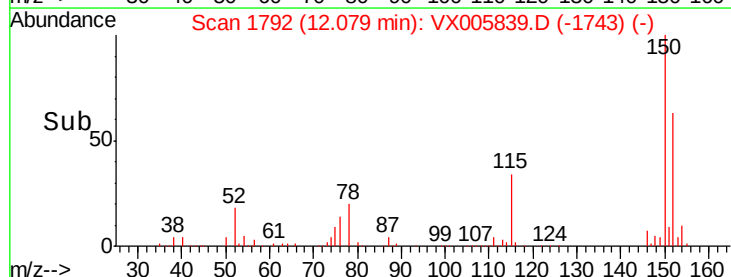
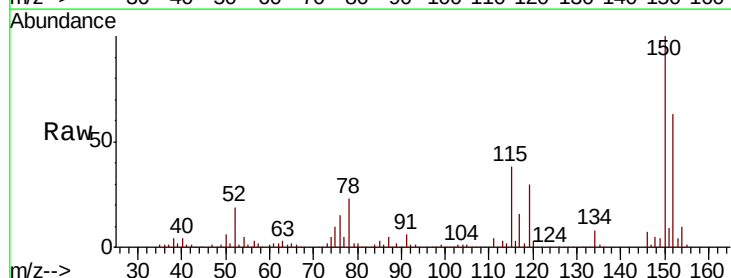
RT: 12.08 min Scan# 1792

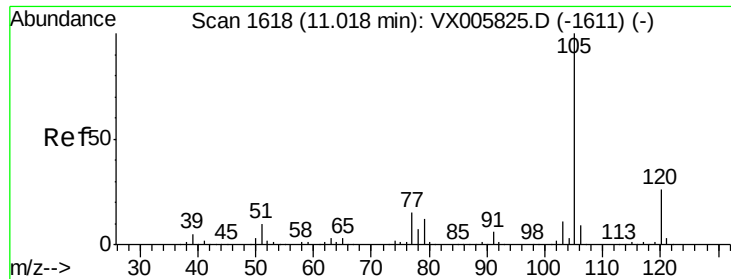
Delta R.T. 0.00 min

Lab File: VX005839.D

Acq: 08 Nov 2018 11:31

Tgt Ion:	152	Resp:	81804
Ion Ratio	Lower	Upper	
152	100		
115	79.1	39.4	118.1
150	172.0	0.0	346.4





#73

Isopropylbenzene

Concen: 54.841 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005839.D

Acq: 08 Nov 2018 11:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 259434

Ion Ratio Lower Upper

105 100

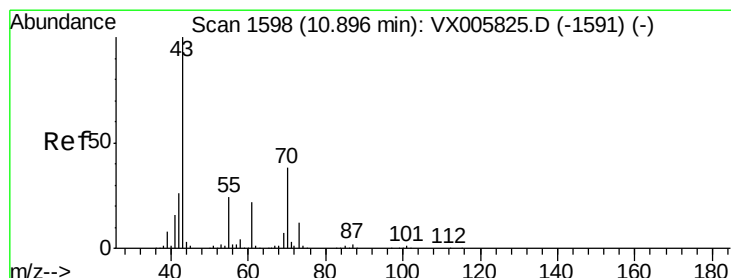
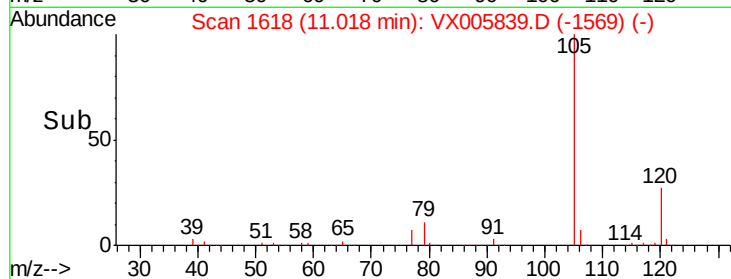
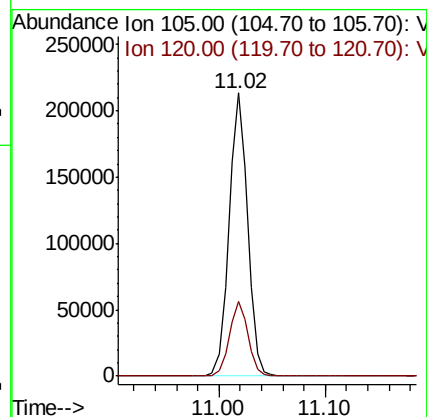
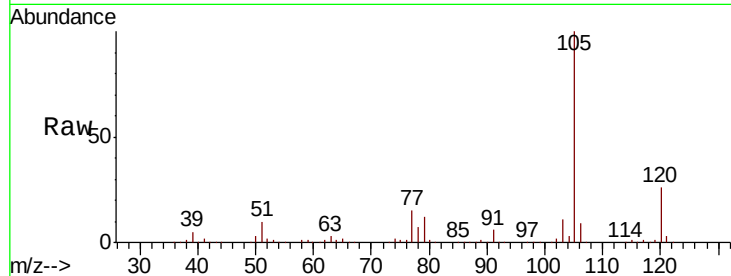
120 26.3 13.1 39.3

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#74

N-ethyl acetate

Concen: 48.354 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX005839.D

Acq: 08 Nov 2018 11:31

Tgt Ion: 43 Resp: 128236

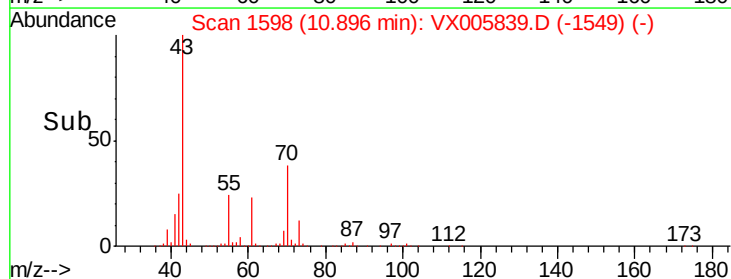
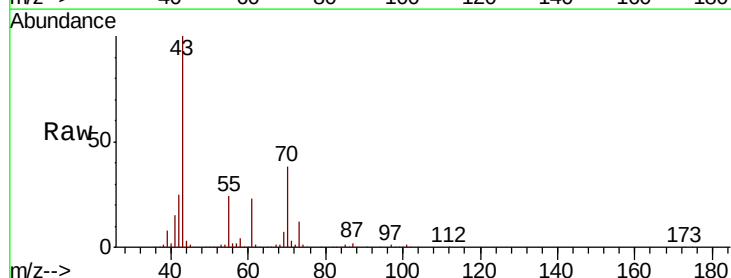
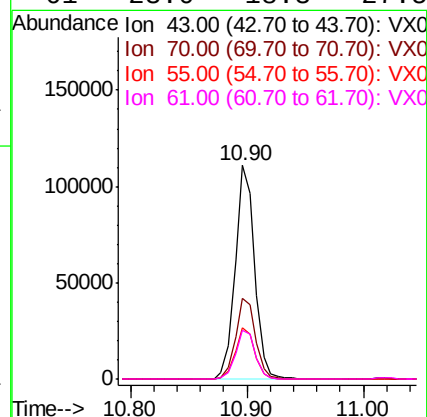
Ion Ratio Lower Upper

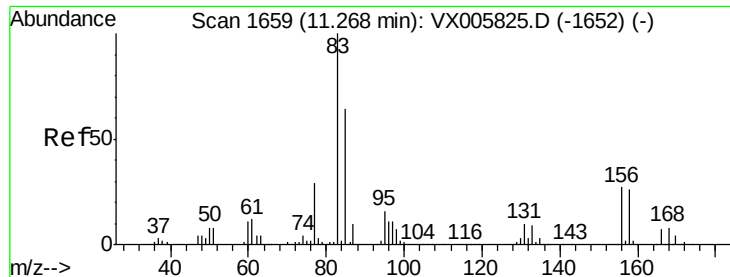
43 100

70 38.9 31.6 47.4

55 24.1 19.7 29.5

61 23.0 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.081 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005839.D

Acq: 08 Nov 2018 11:31

Instrument :

MSVOA_X

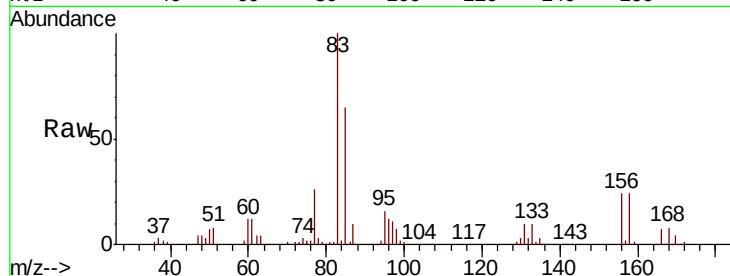
ClientSampleId :

VSTDCCC050

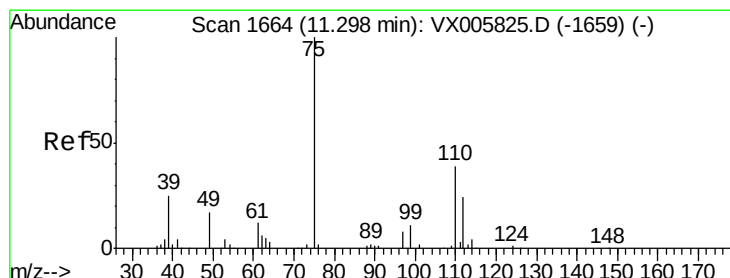
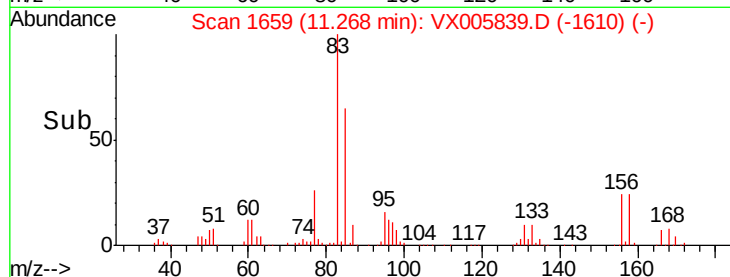
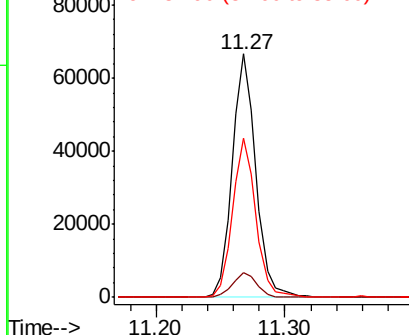
Tot Ion:	83	Resp:	85223
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	15.9
85	64.5	32.0	96.2

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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: 51.438 ug/l m

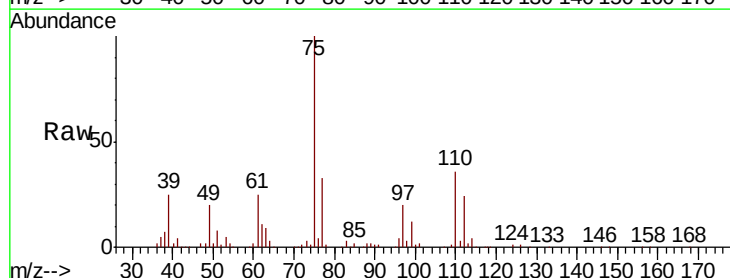
RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

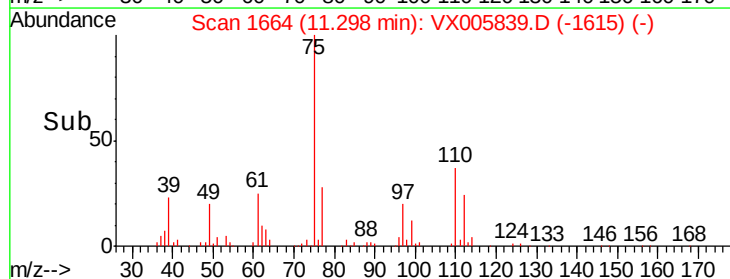
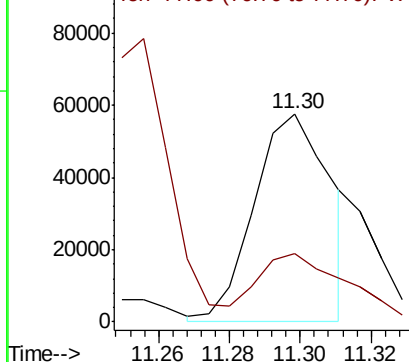
Lab File: VX005839.D

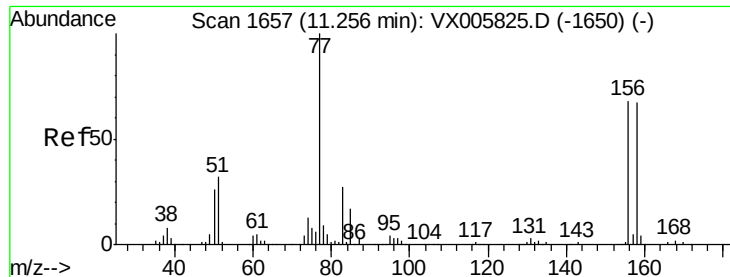
Acq: 08 Nov 2018 11:31

Tgt Ion:	75	Resp:	85681
Ion Ratio	Lower	Upper	
75	100		
77	38.7	20.5	61.6



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





#77

Bromobenzene

Concen: 50.776 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005839.D

Acq: 08 Nov 2018 11:31

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:156 Resp: 67703

Ion Ratio Lower Upper

156 100

77 150.5 74.8 224.4

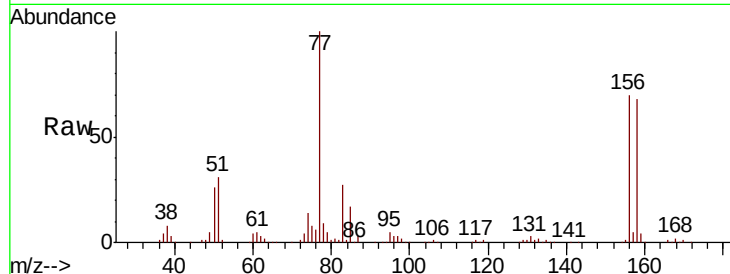
158 97.6 49.1 147.3

Manual Integrations

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MMDadoda

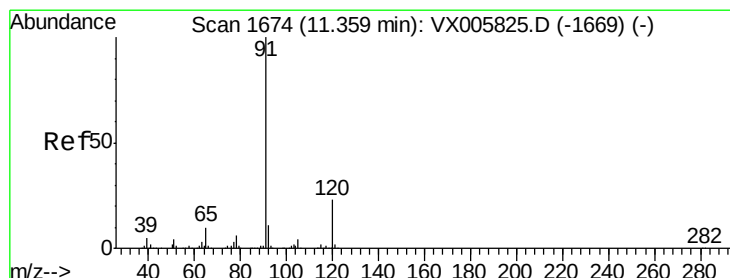
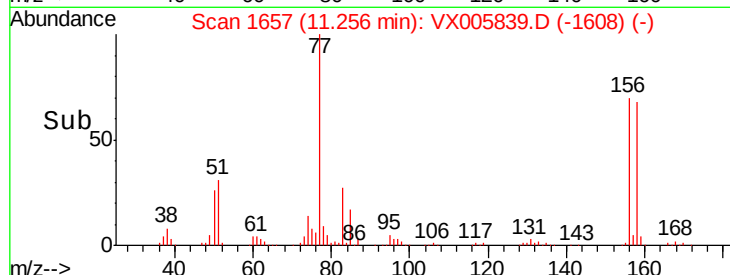
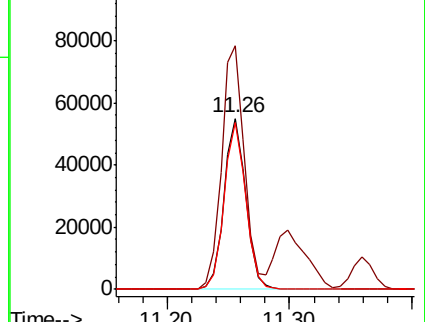
11/9/2018 11:37:00 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.257 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005839.D

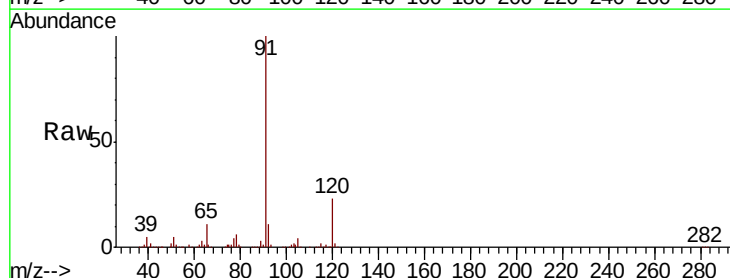
Acq: 08 Nov 2018 11:31

Tgt Ion: 91 Resp: 308067

Ion Ratio Lower Upper

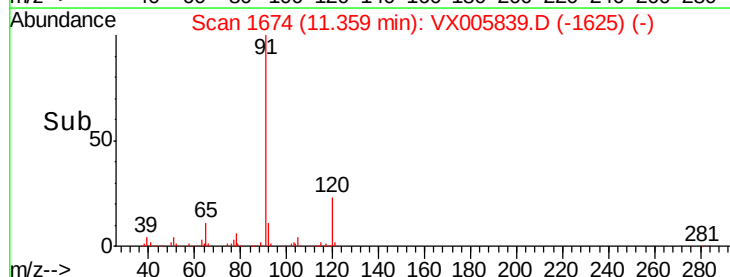
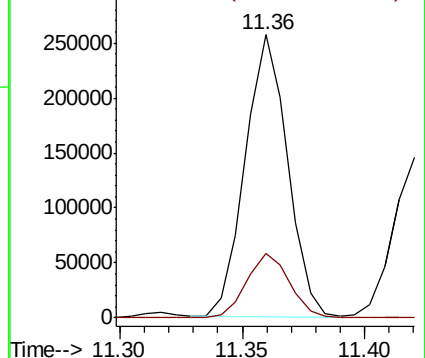
91 100

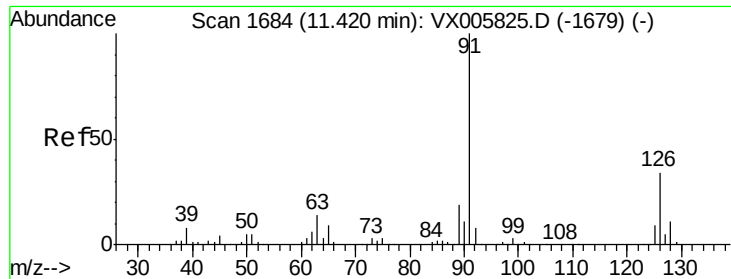
120 23.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





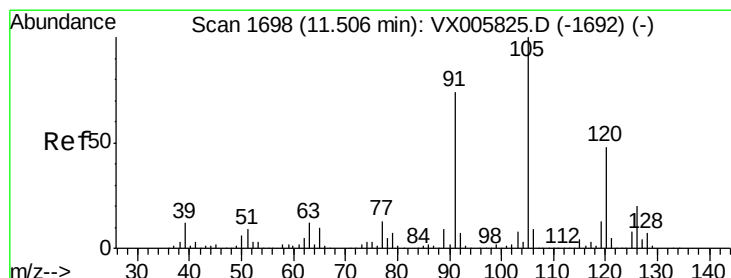
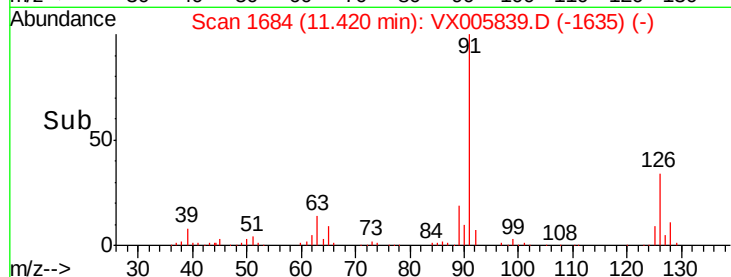
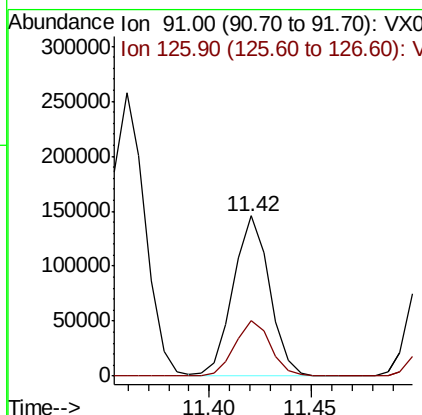
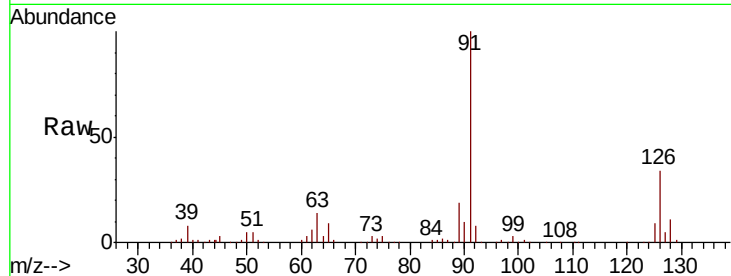
#79
 2-Chlorotoluene
 Concen: 53.069 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX005839.D
 Acq: 08 Nov 2018 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 178835
 Ion Ratio Lower Upper
 91 100
 126 34.2 17.3 52.0

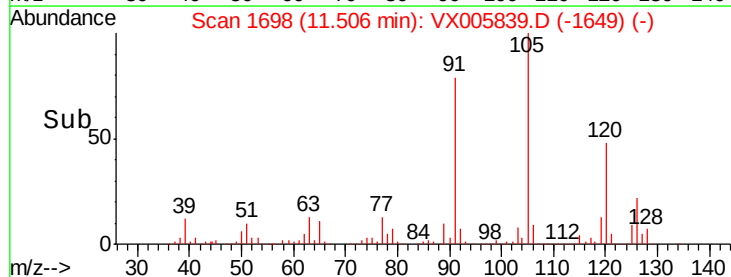
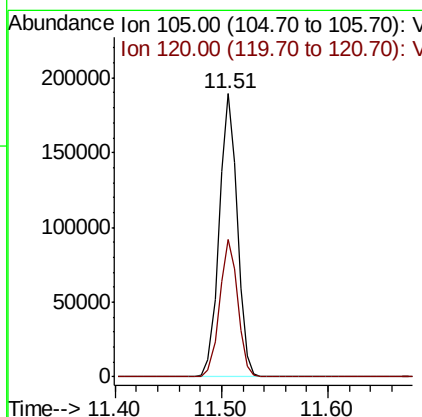
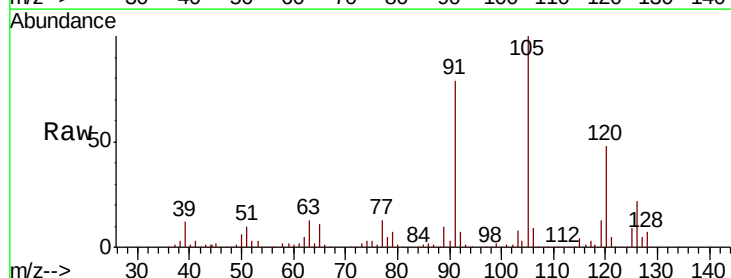
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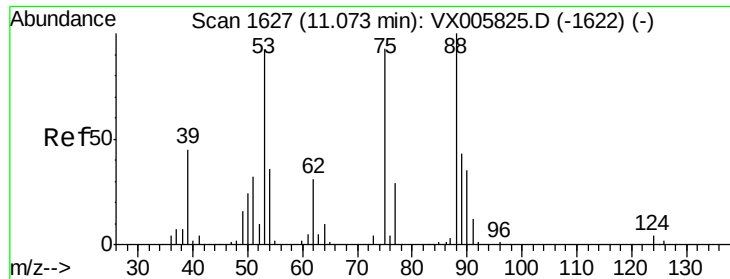
MMDadoda
 11/9/2018 11:37:00 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 55.610 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005839.D
 Acq: 08 Nov 2018 11:31

Tgt Ion: 105 Resp: 223556
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.1 72.2





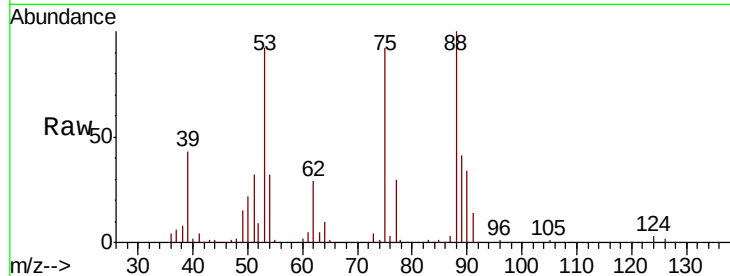
#81
trans-1,4-Dichloro-2-butene
Concen: 52.127 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.1	80.2	120.2
89	46.3	39.8	59.8

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11/9/2018 11:37:00 AM

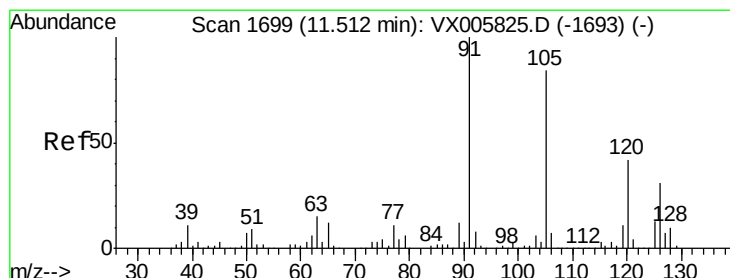
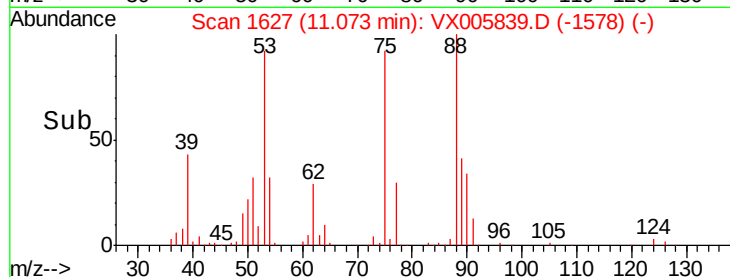
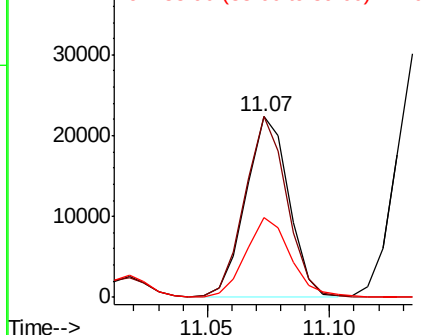


Abundance

Ion 74.90 (74.60 to 75.60): VX0

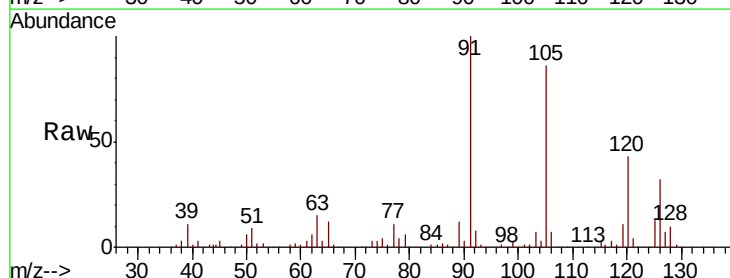
Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82
4-Chlorotoluene
Concen: 54.060 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

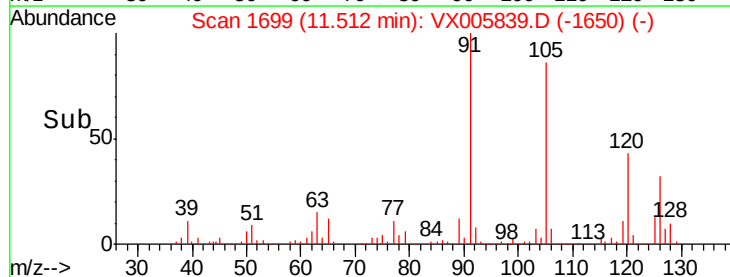
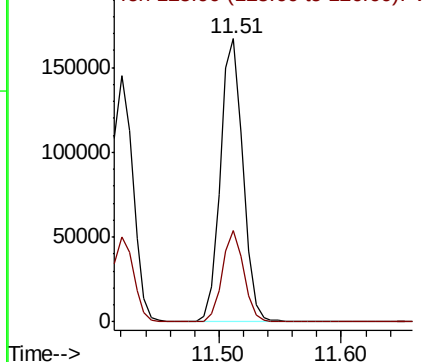
Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.2	45.6

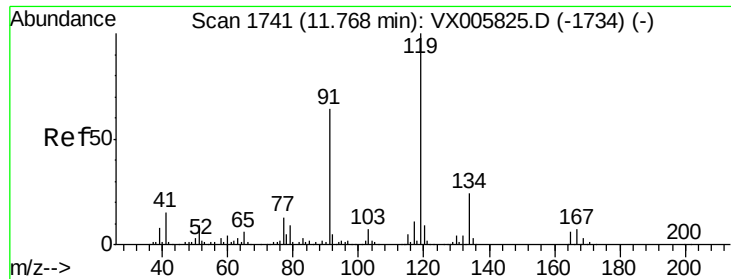


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





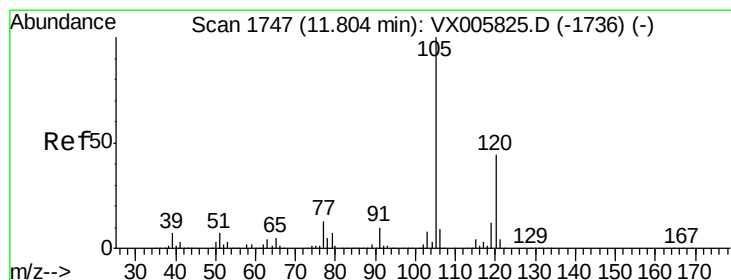
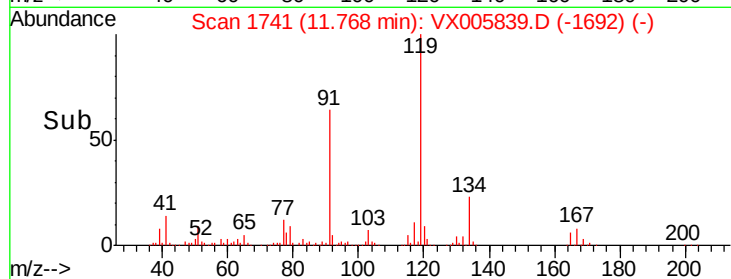
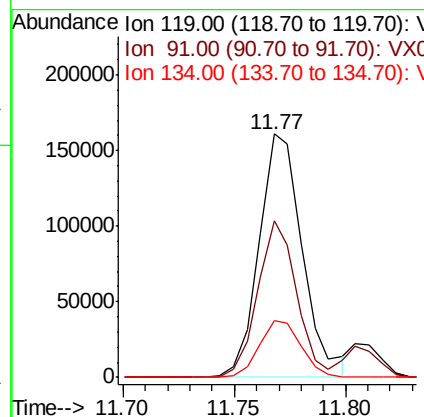
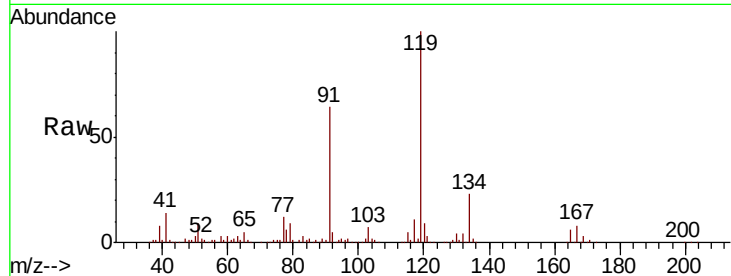
#83
 tert-Butylbenzene
 Concen: 53.673 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX005839.D
 Acq: 08 Nov 2018 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	218287		
91	57.8	28.5	85.5	
134	22.6	11.3	33.8	

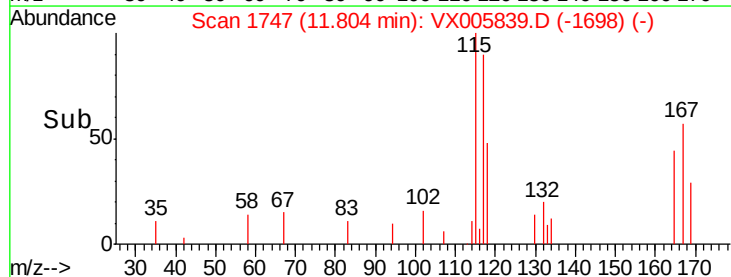
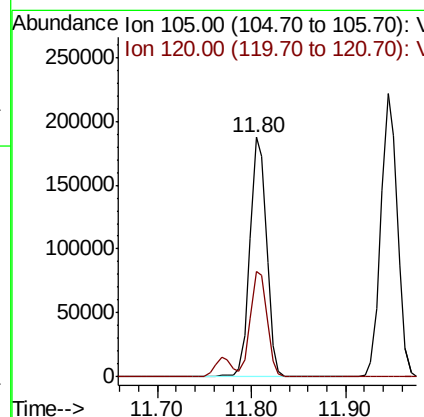
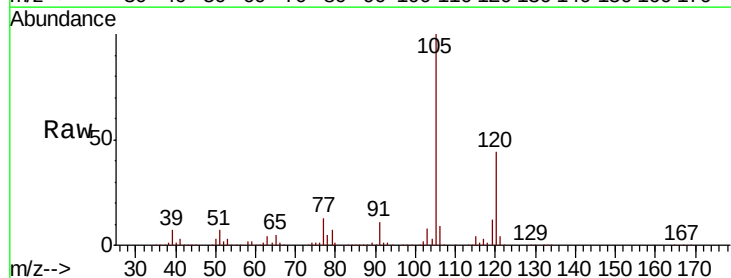
Manual Integrations
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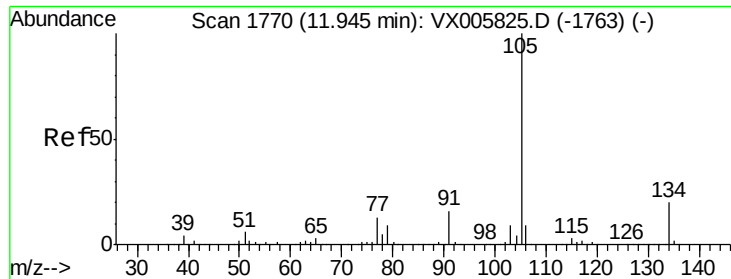
MMDadoda
 11/9/2018 11:37:00 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.078 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX005839.D
 Acq: 08 Nov 2018 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	231021		
120	43.9	22.4	67.0	





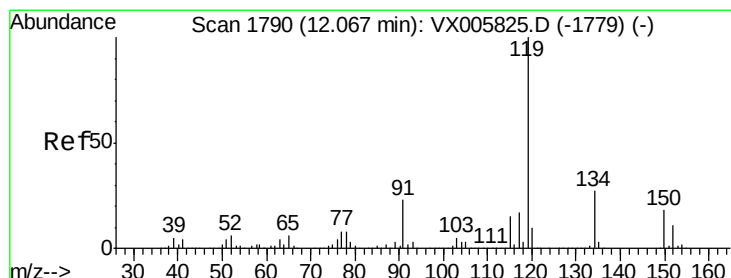
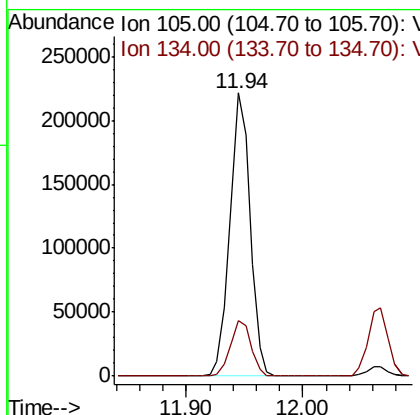
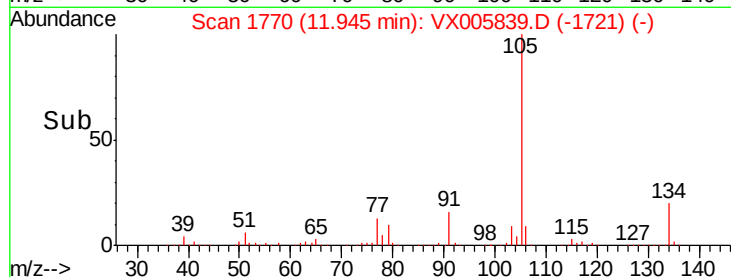
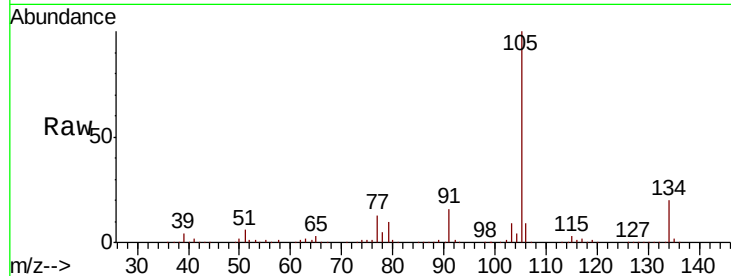
#85
 sec-Butylbenzene
 Concen: 54.229 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX005839.D
 Acq: 08 Nov 2018 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.2	30.4

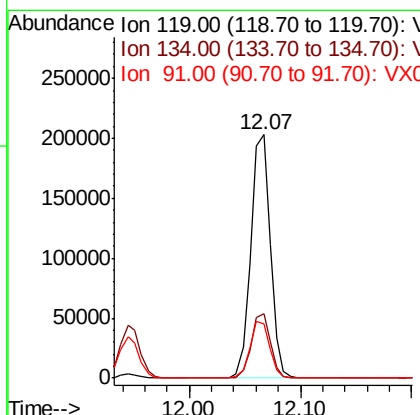
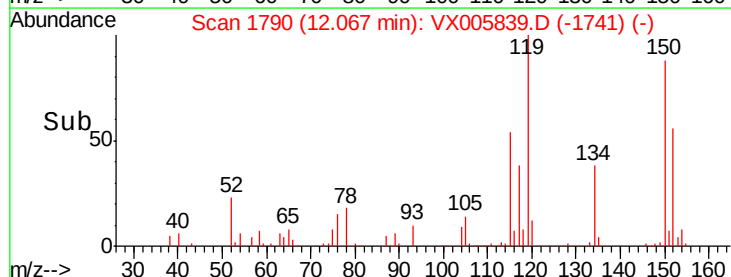
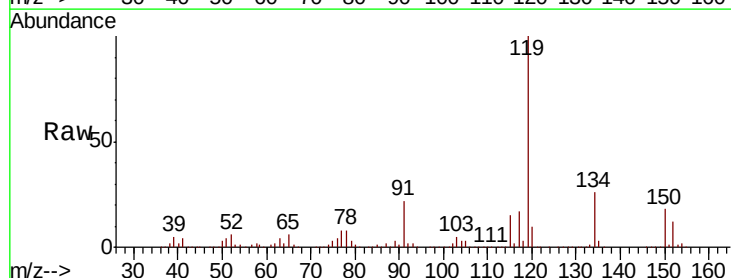
Manual Integrations
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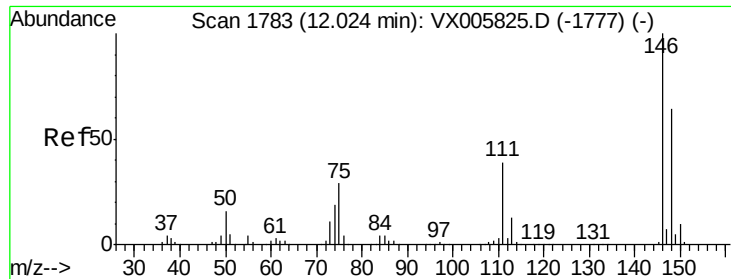
MMDadoda
 11/9/2018 11:37:00 AM



#86
 p-Isopropyltoluene
 Concen: 55.977 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX005839.D
 Acq: 08 Nov 2018 11:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	39.0
91	23.5	11.4	34.2





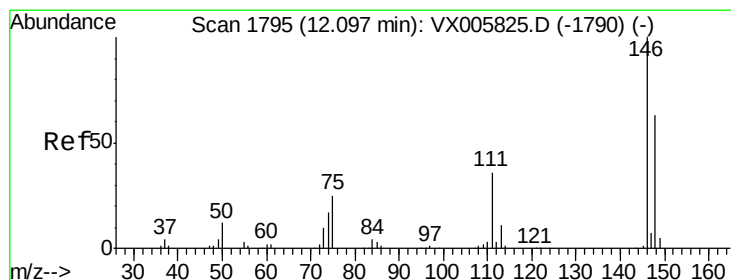
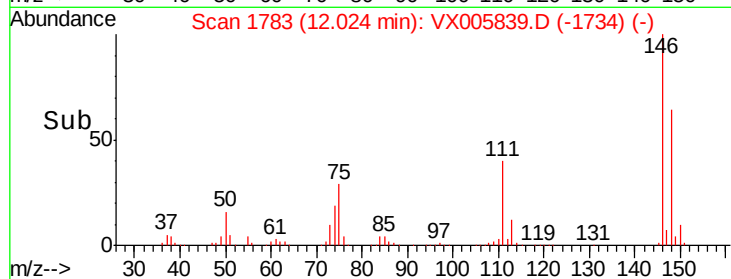
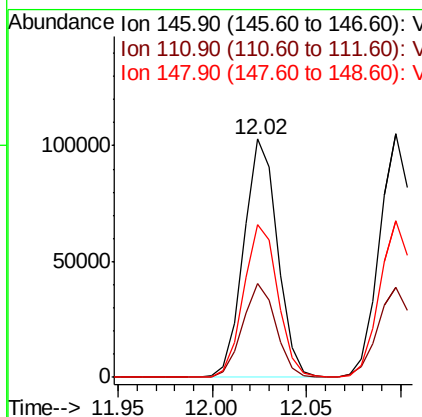
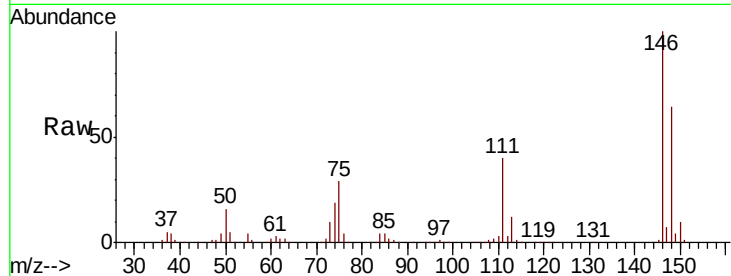
#87
 1,3-Dichlorobenzene
 Concen: 49.908 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX005839.D
 Acq: 08 Nov 2018 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.0	57.0
148	64.8	31.9	95.9

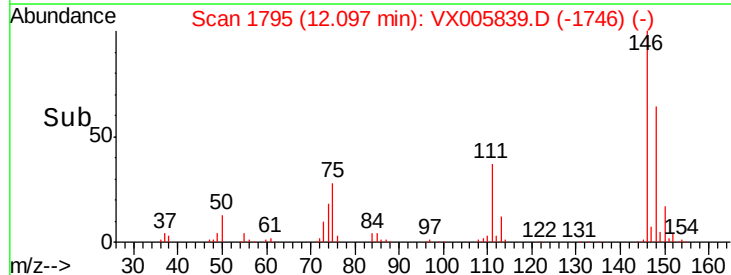
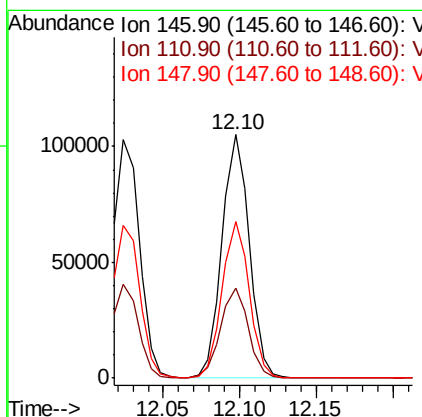
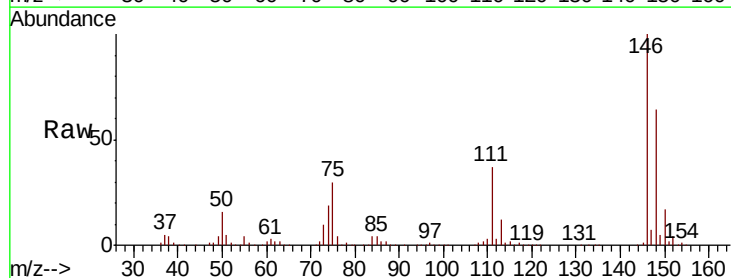
Manual Integrations
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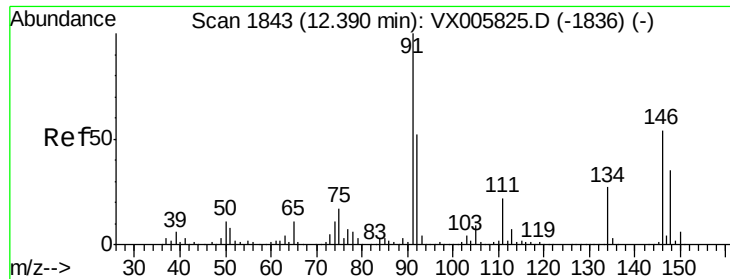
MMDadoda
 11/9/2018 11:37:00 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.667 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005839.D
 Acq: 08 Nov 2018 11:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.6	55.8
148	64.1	32.1	96.3





#89

n-Butylbenzene

Concen: 54.993 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX005839.D

Acq: 08 Nov 2018 11:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 224528

Ion Ratio Lower Upper

91 100

92 52.2 26.1 78.2

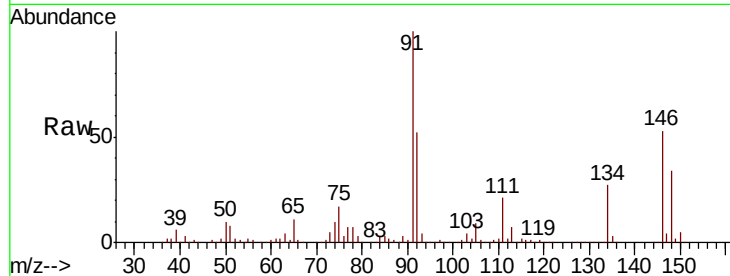
134 26.3 13.1 39.3

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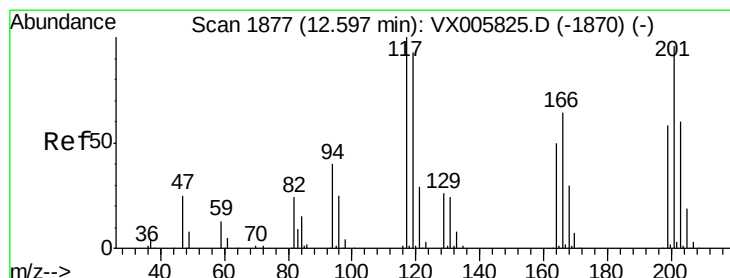
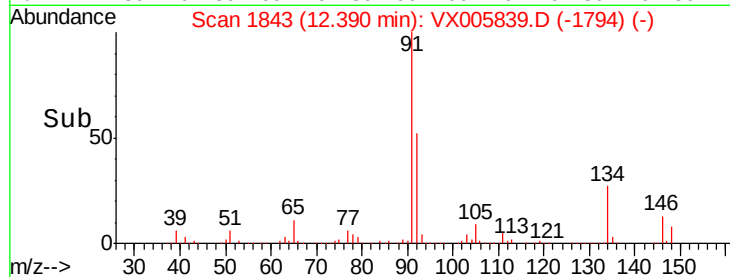
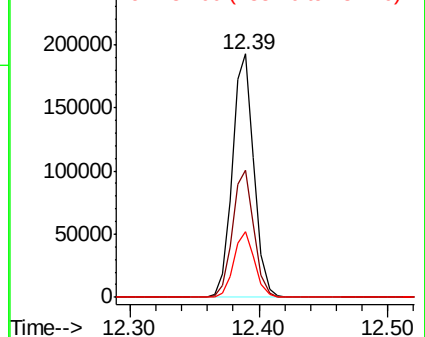


Abundance

Ion 91.00 (90.70 to 91.70): VX005825.D (-1836) (-)

Ion 92.00 (91.70 to 92.70): VX005825.D (-1836) (-)

Ion 134.00 (133.70 to 134.70): VX005825.D (-1836) (-)



#90

Hexachloroethane

Concen: 54.688 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX005839.D

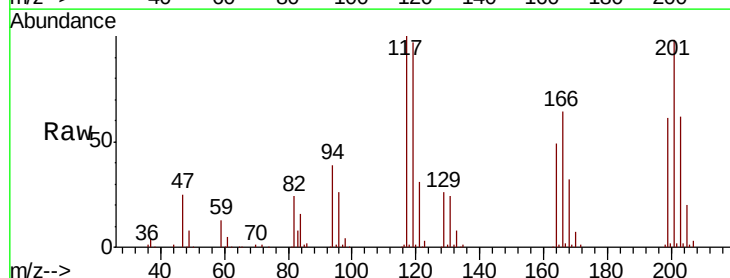
Acq: 08 Nov 2018 11:31

Tgt Ion: 117 Resp: 40222

Ion Ratio Lower Upper

117 100

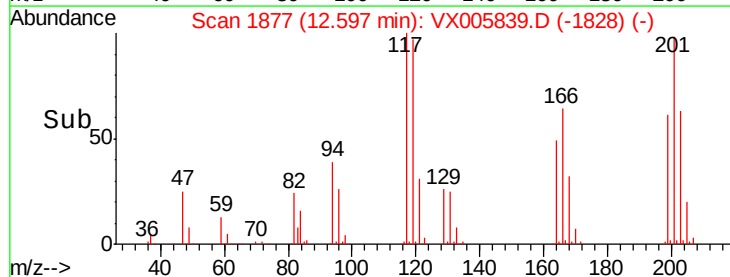
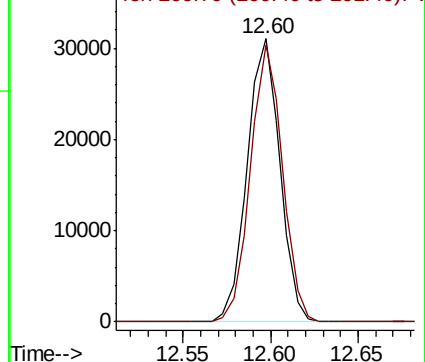
201 95.8 47.9 143.6

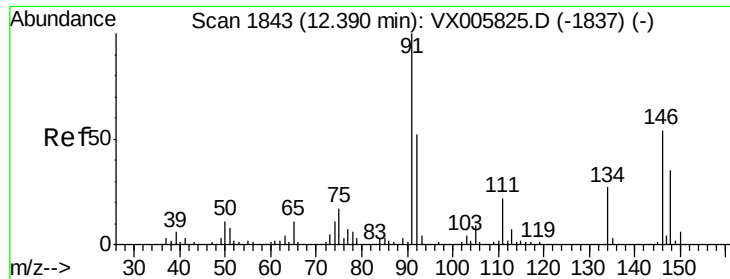


Abundance

Ion 116.80 (116.50 to 117.50): VX005825.D (-1870) (-)

Ion 200.70 (200.40 to 201.40): VX005825.D (-1870) (-)





#91

1,2-Dichlorobenzene

Concen: 49.788 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX005839.D

Acq: 08 Nov 2018 11:31

Instrument :

MSVOA_X

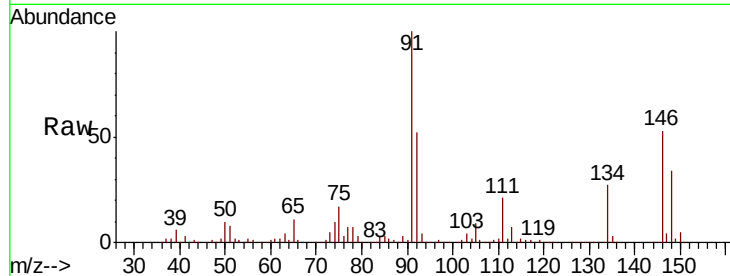
ClientSampleId :

VSTDCCC050

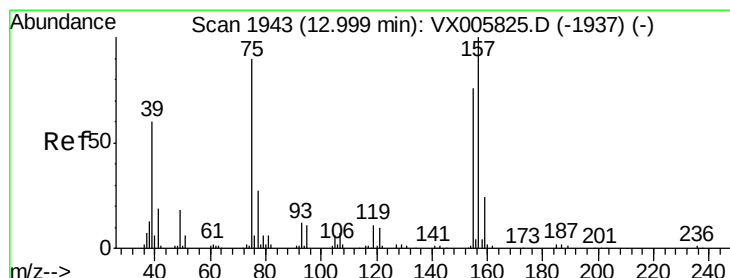
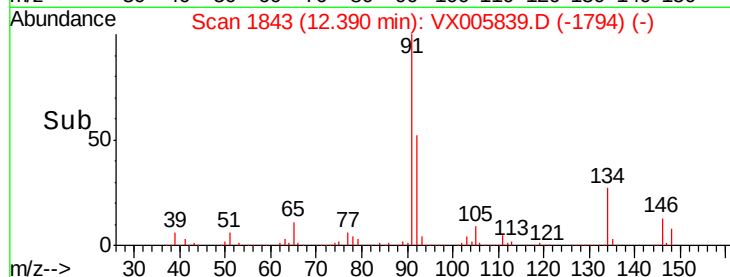
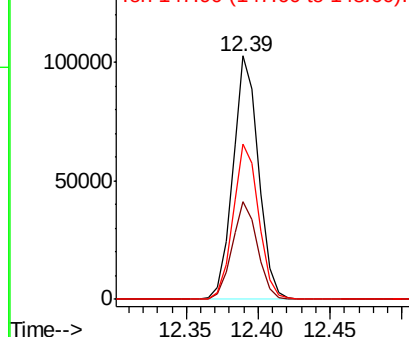
Tot Ion:	146	Resp:	127632
Ion Ratio	Lower	Upper	
146	100		
111	39.7	20.0	59.9
148	64.3	32.2	96.6

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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: 52.030 ug/l

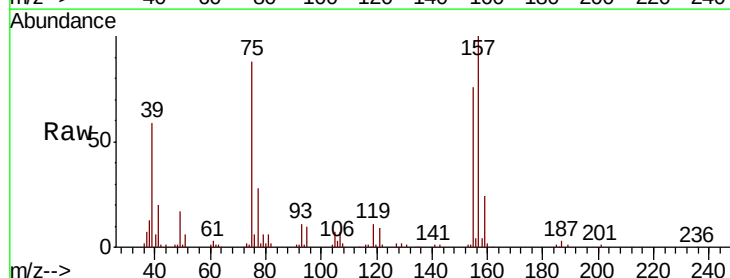
RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

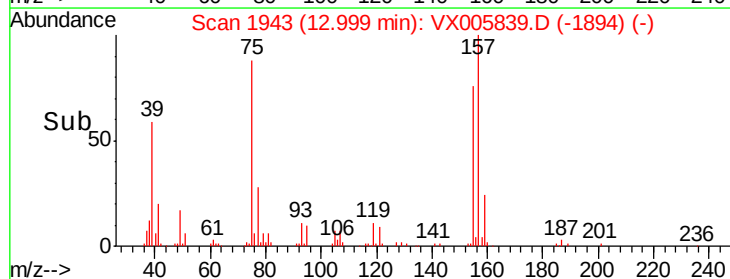
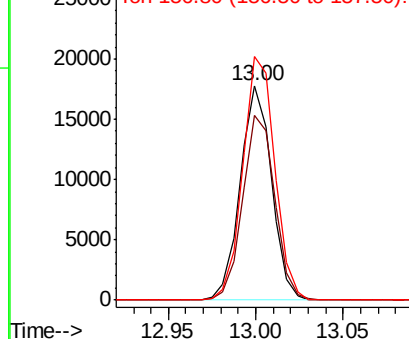
Lab File: VX005839.D

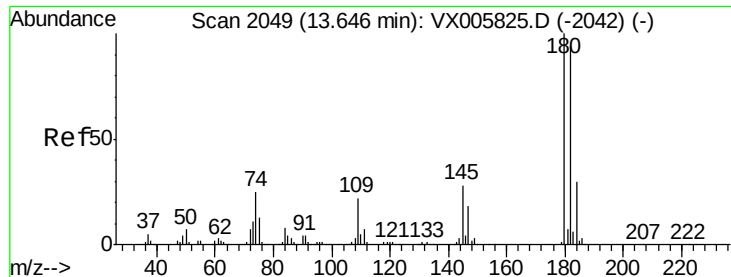
Acq: 08 Nov 2018 11:31

Tgt Ion:	75	Resp:	22046
Ion Ratio	Lower	Upper	
75	100		
155	88.4	45.4	136.1
157	116.3	57.4	172.0



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





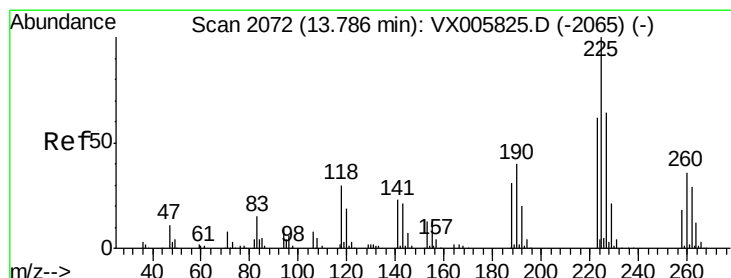
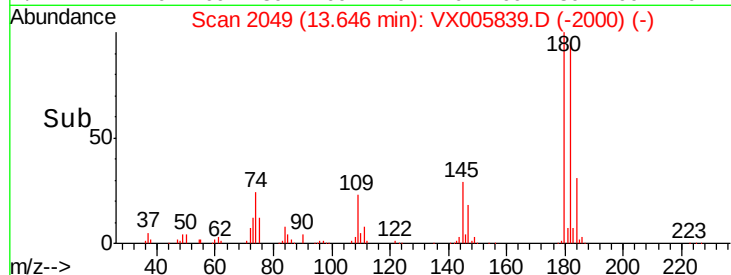
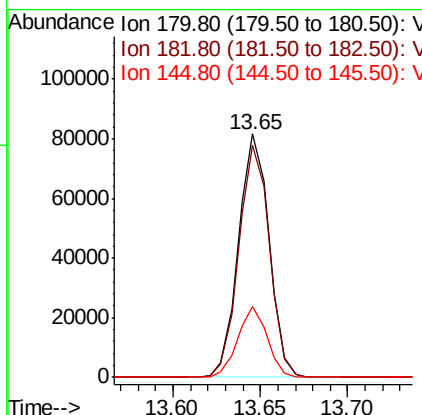
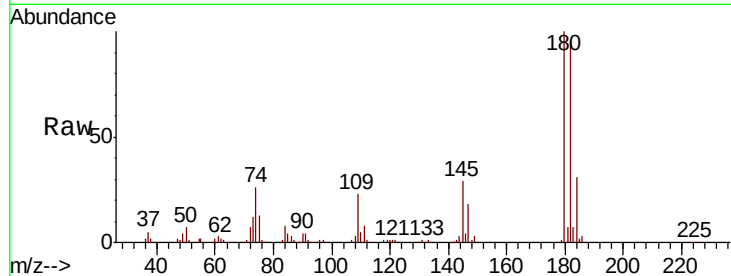
#93
 1,2,4-Trichlorobenzene
 Concen: 54.894 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005839.D
 Acq: 08 Nov 2018 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.8
145	28.2	14.1	42.2

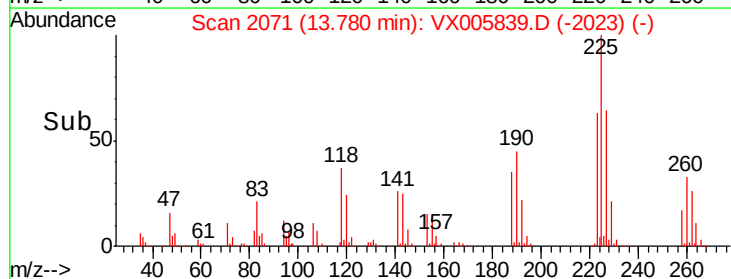
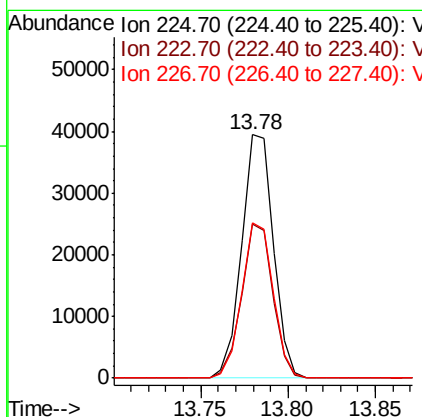
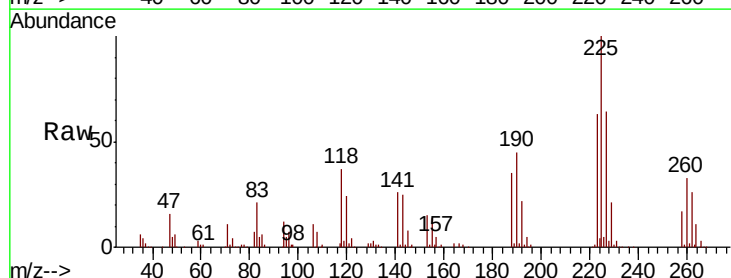
Manual Integrations
 APPROVED

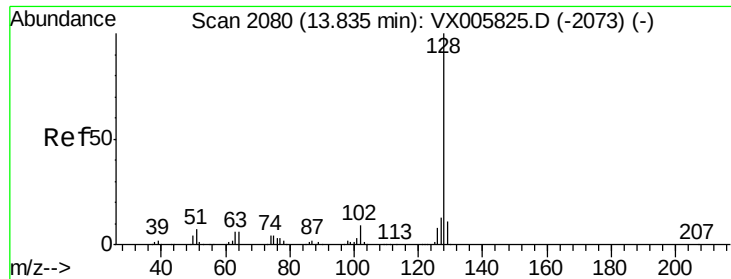
MMDadoda
 11/9/2018 11:37:00 AM



#94
 Hexachlorobutadiene
 Concen: 52.717 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005839.D
 Acq: 08 Nov 2018 11:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.7	95.1
227	63.3	32.3	96.9





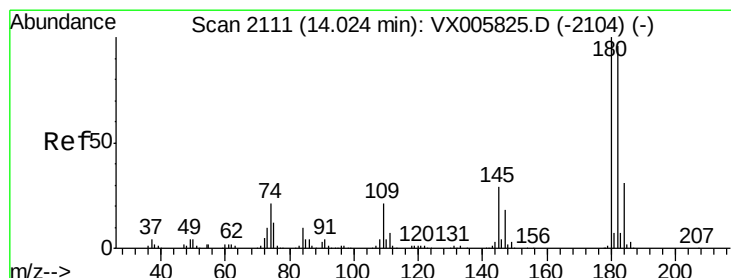
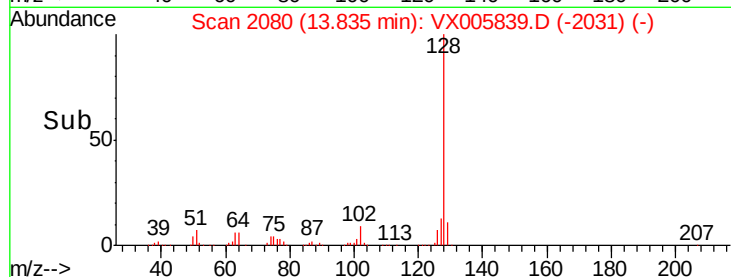
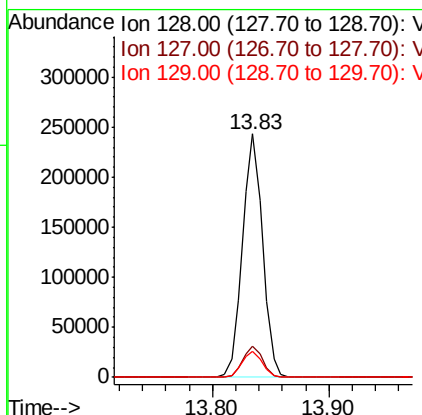
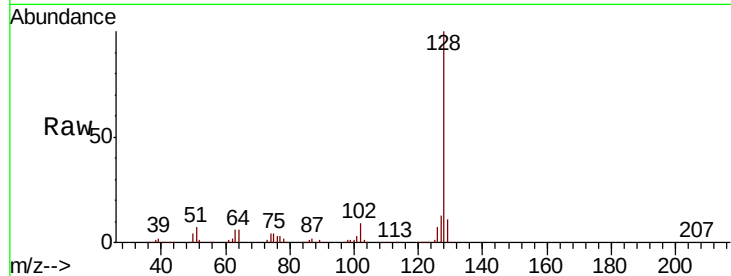
#95
Naphthalene
Concen: 49.855 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/9/2018 11:37:00 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.288 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX005839.D
Acq: 08 Nov 2018 11:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.0	144.2
145	29.9	15.1	45.3

