

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072618\
 Data File : VX003711.D
 Acq On : 27 Jul 2018 10:53
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/27/2018 5:41:25 PM

Quant Time: Jul 27 11:21:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 04:33:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	91589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	142756	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	146350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	95004	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	71074	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
35) Dibromofluoromethane	5.51	113	55369	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
50) Toluene-d8	8.72	98	212473	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
62) 4-Bromofluorobenzene	11.14	95	77239	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	56393	54.06	ug/l	98
3) Chloromethane	1.32	50	74947	54.54	ug/l	99
4) Vinyl Chloride	1.40	62	76442	54.39	ug/l	98
5) Bromomethane	1.64	94	41405	61.01	ug/l	93
6) Chloroethane	1.71	64	50993	54.93	ug/l	91
7) Trichlorofluoromethane	1.92	101	105301	58.21	ug/l	100
8) Diethyl Ether	2.19	74	45409	57.28	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	64343	57.79	ug/l	99
10) Methyl Iodide	2.51	142	86025	56.86	ug/l	99
11) Tert butyl alcohol	3.09	59	93016	286.82	ug/l	99
12) 1,1-Dichloroethene	2.37	96	61105	57.68	ug/l	92
13) Acrolein	2.29	56	38173	233.06	ug/l	97
14) Allyl chloride	2.73	41	115345	52.23	ug/l	99
15) Acrylonitrile	3.15	53	217528	277.61	ug/l	99
16) Acetone	2.45	43	188713	296.08	ug/l	95
17) Carbon Disulfide	2.57	76	174626	57.31	ug/l	100
18) Methyl Acetate	2.78	43	117707	61.15	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	222483	59.46	ug/l	99
20) Methylene Chloride	2.86	84	73942	58.55	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	67287	59.07	ug/l	99
22) Diisopropyl ether	3.88	45	223486	55.43	ug/l	# 91
23) Vinyl Acetate	3.82	43	936533	271.15	ug/l	100
24) 1,1-Dichloroethane	3.70	63	131466	57.85	ug/l	100
25) 2-Butanone	4.71	43	285554	290.01	ug/l	99
26) 2,2-Dichloropropane	4.59	77	36773	25.59	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	77298	62.50	ug/l	90
28) Bromochloromethane	5.02	49	45573	49.97	ug/l	99
29) Tetrahydrofuran	5.17	42	160315	250.11	ug/l	98
30) Chloroform	5.22	83	107151	51.98	ug/l	98
31) Cyclohexane	5.57	56	93905	51.48	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	88863	51.91	ug/l	97
36) 1,1-Dichloropropene	5.80	75	78934	47.30	ug/l	99
37) Ethyl Acetate	4.87	43	106918	53.29	ug/l	98
38) Carbon Tetrachloride	5.78	117	78753	48.97	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	86831	47.27	ug/l	100
40) Benzene	6.15	78	244483	49.51	ug/l	97
41) Methacrylonitrile	5.07	41	53339	48.01	ug/l	98
42) 1,2-Dichloroethane	6.20	62	88796	51.09	ug/l	99
43) Isopropyl Acetate	6.47	43	146658	50.10	ug/l	99
44) Trichloroethene	7.22	130	59479	44.93	ug/l	99
45) 1,2-Dichloropropane	7.52	63	63076	49.42	ug/l	98
46) Dibromomethane	7.67	93	40795	49.75	ug/l	97
47) Bromodichloromethane	7.90	83	76686	49.88	ug/l	98
48) Methyl methacrylate	7.78	41	74636	50.25	ug/l	96
49) 1,4-Dioxane	7.76	88	31504	950.68	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	486475	246.32	ug/l	98
52) Toluene	8.79	92	146939	47.87	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	82060	43.81	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	76115	44.72	ug/l	94
55) 1,1,2-Trichloroethane	9.22	97	70133	55.90	ug/l	99
56) Ethyl methacrylate	9.18	69	110014	58.92	ug/l	100
57) 1,3-Dichloropropane	9.37	76	110343	52.38	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	239980	255.78	ug/l	99
59) 2-Hexanone	9.50	43	424852	280.43	ug/l	98
60) Dibromochloromethane	9.59	129	71587	60.15	ug/l	100
61) 1,2-Dibromoethane	9.68	107	75113	57.49	ug/l	100
64) Tetrachloroethene	9.34	164	61825	46.21	ug/l	97
65) Chlorobenzene	10.14	112	174858	47.48	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	61834	48.29	ug/l	99
67) Ethyl Benzene	10.26	91	295835	47.98	ug/l	100
68) m/p-Xylenes	10.36	106	220792	93.35	ug/l	99
69) o-Xylene	10.70	106	106369	46.72	ug/l	99
70) Styrene	10.71	104	180855	47.28	ug/l	99
71) Bromoform	10.86	173	46431	45.86	ug/l #	99
73) Isopropylbenzene	11.02	105	285362	43.96	ug/l	99
74) N-amyl acetate	6.47	43	146658	43.32	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	99079	41.33	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	83403m	41.85	ug/l	
77) Bromobenzene	11.26	156	73886	41.91	ug/l	98
78) n-propylbenzene	11.36	91	334057	44.57	ug/l	99
79) 2-Chlorotoluene	11.42	91	196288	43.09	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	242920	44.23	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	21701	33.74	ug/l	97
82) 4-Chlorotoluene	11.51	91	233425	43.50	ug/l	99
83) tert-Butylbenzene	11.77	119	232176	43.21	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	252562	44.75	ug/l	99
85) sec-Butylbenzene	11.95	105	324324	50.57	ug/l	100
86) p-Isopropyltoluene	12.07	119	269987	46.90	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	146228	44.54	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	170595	49.98	ug/l	100
89) n-Butylbenzene	12.39	91	259423	50.00	ug/l	100
90) Hexachloroethane	12.60	117	46259	53.06	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	168037	50.09	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	24015	48.13	ug/l	99

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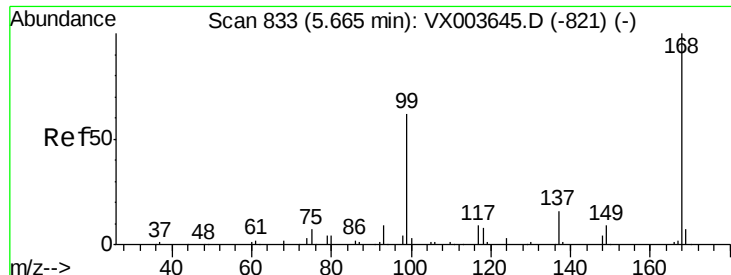
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	122300	51.09	ug/l	100
94) Hexachlorobutadiene	13.79	225	53486	48.30	ug/l	100
95) Naphthalene	13.83	128	389752	53.84	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	125638	51.67	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 91589

Ion Ratio Lower Upper

168 100

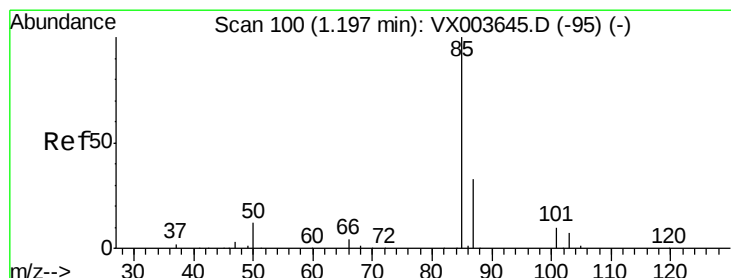
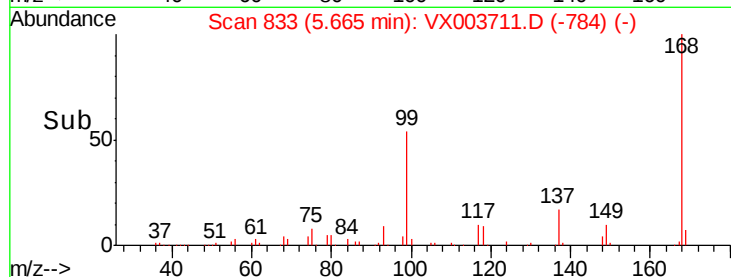
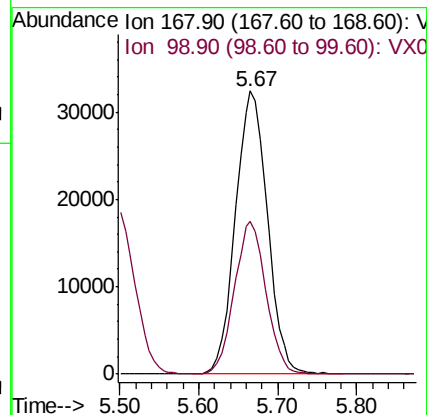
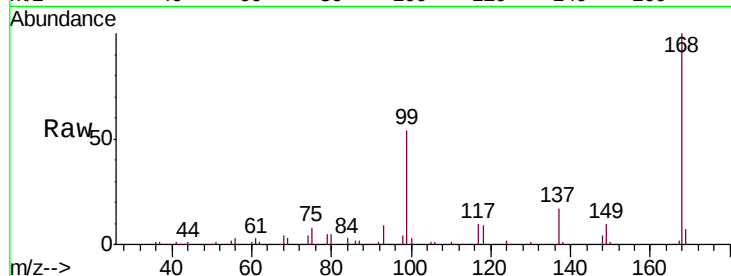
99 54.0 49.5 74.3

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 54.06 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003711.D

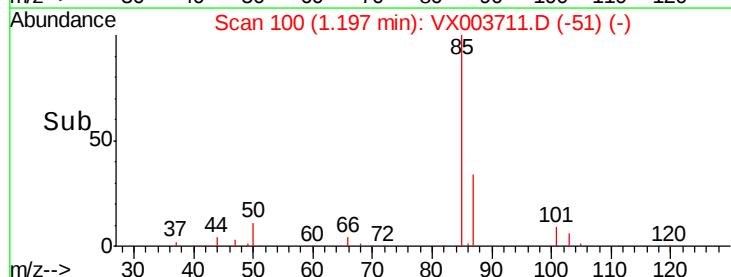
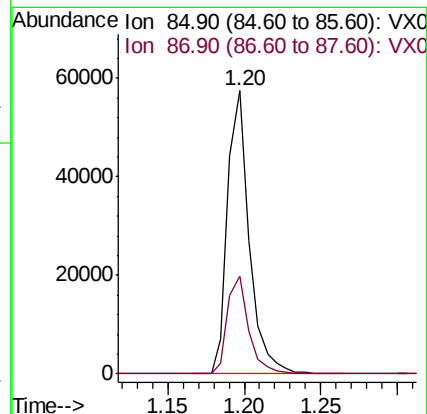
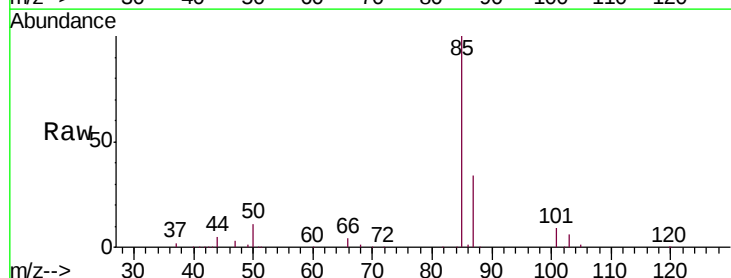
Acq: 27 Jul 2018 10:53

Tgt Ion: 85 Resp: 56393

Ion Ratio Lower Upper

85 100

87 34.4 16.5 49.5





#3

Chloromethane

Concen: 54.54 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 74947

Ion Ratio Lower Upper

50 100

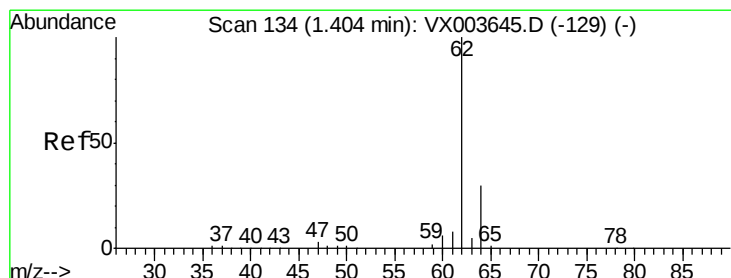
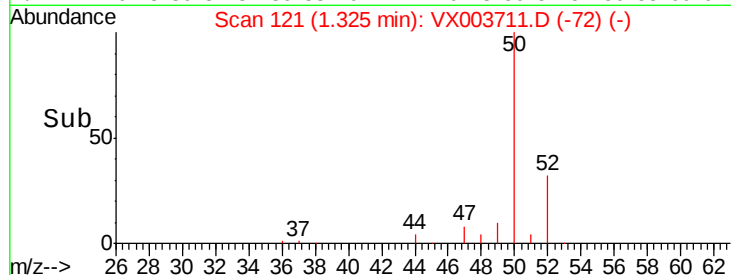
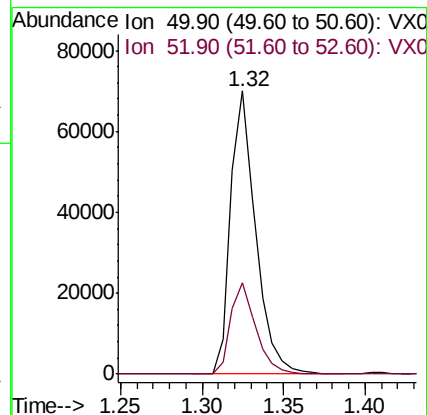
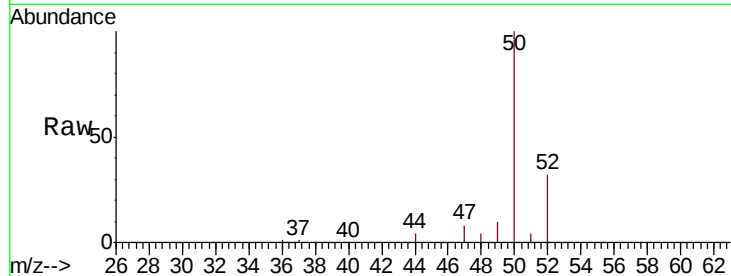
52 32.3 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 54.39 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003711.D

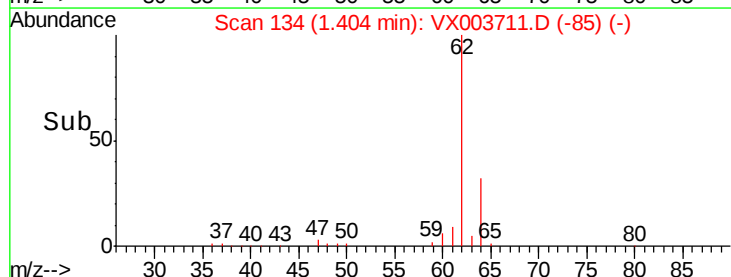
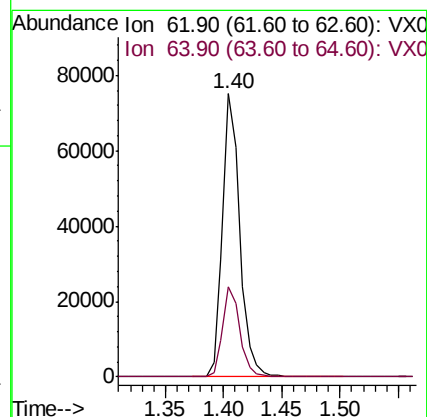
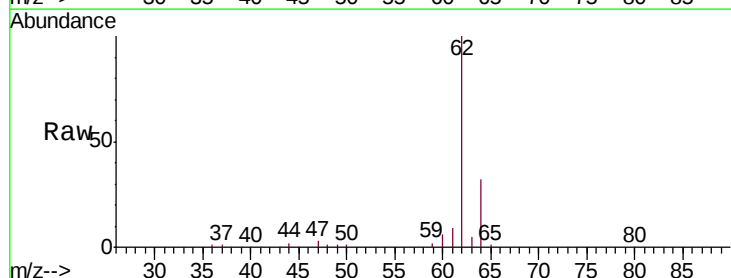
Acq: 27 Jul 2018 10:53

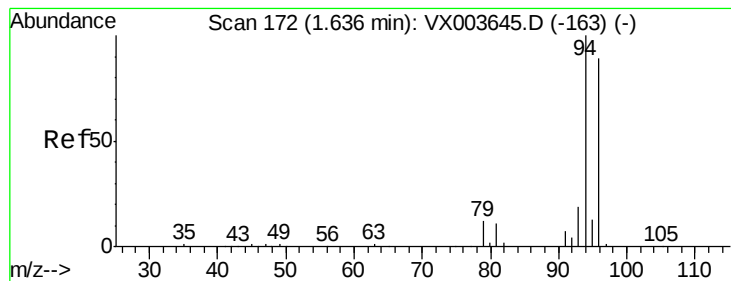
Tgt Ion: 62 Resp: 76442

Ion Ratio Lower Upper

62 100

64 31.7 24.4 36.6





#5

Bromomethane

Concen: 61.01 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 41405

Ion Ratio Lower Upper

94 100

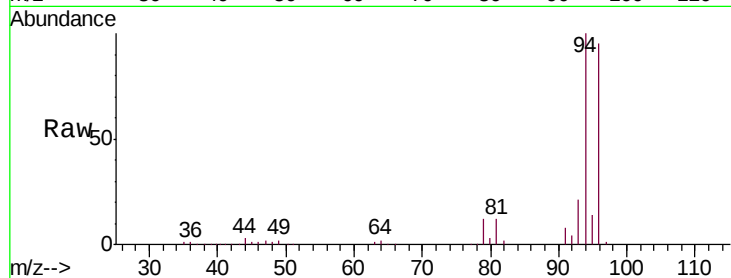
96 95.4 71.3 106.9

Manual Integrations

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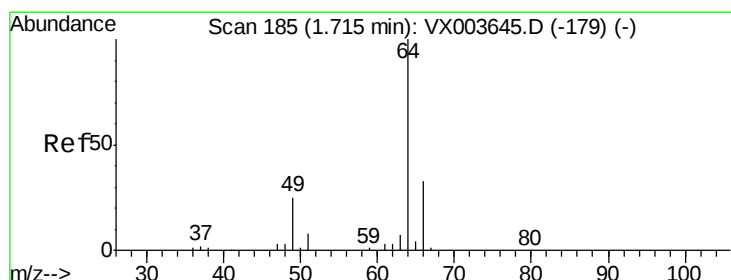
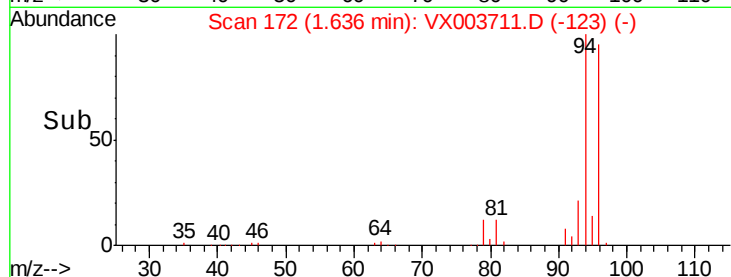
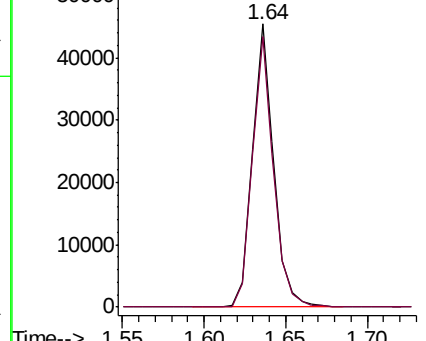
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 54.93 ug/l

RT: 1.71 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003711.D

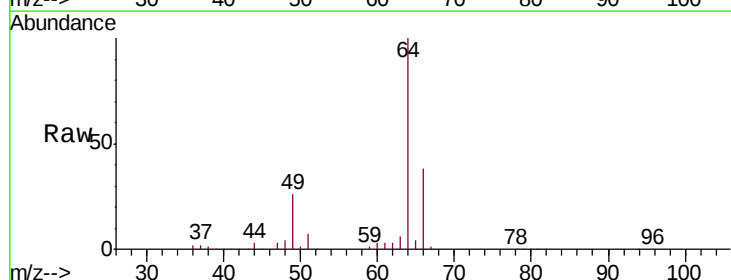
Acq: 27 Jul 2018 10:53

Tgt Ion: 64 Resp: 50993

Ion Ratio Lower Upper

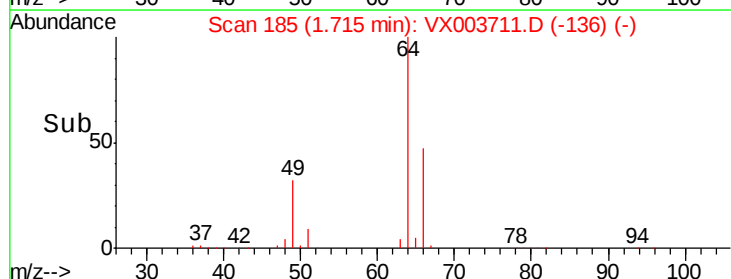
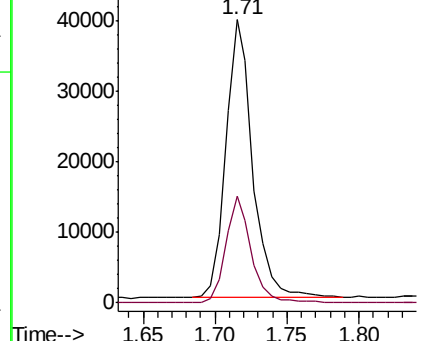
64 100

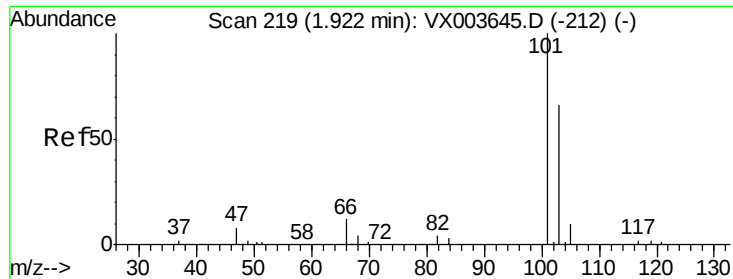
66 38.2 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 58.21 ug/l

RT: 1.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX003711.D

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Tot Ion:101 Resp: 105301

Ion Ratio Lower Upper

101 100

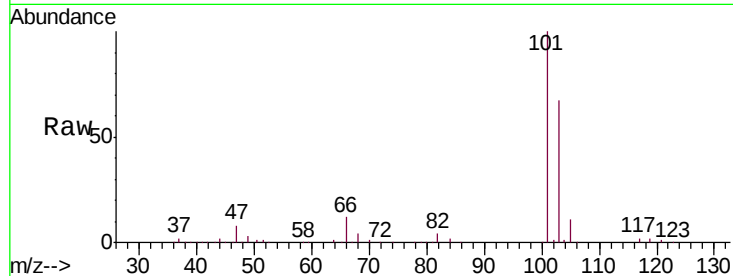
103 66.9 53.2 79.8

Manual Integrations

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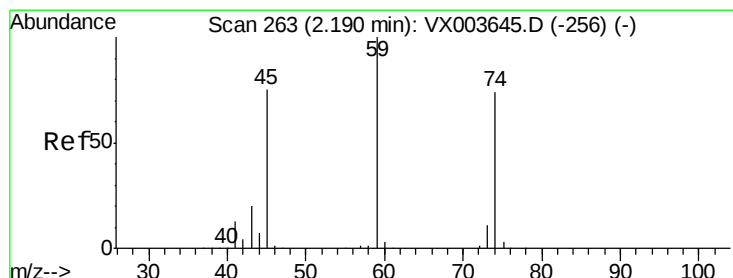
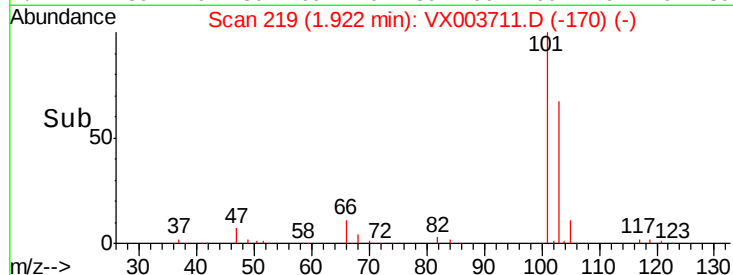
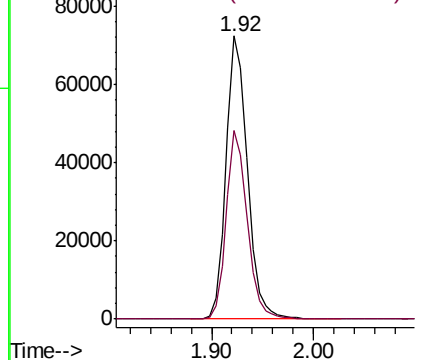
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 57.28 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX003711.D

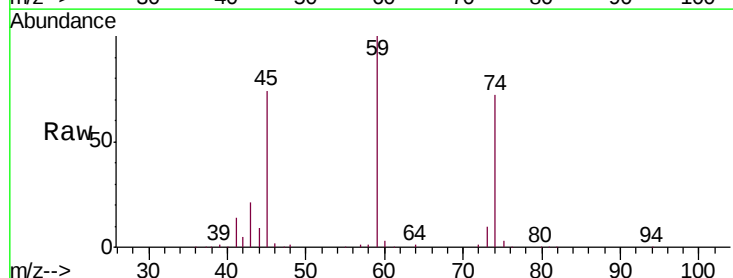
Acq: 27 Jul 2018 10:53

Tgt Ion: 74 Resp: 45409

Ion Ratio Lower Upper

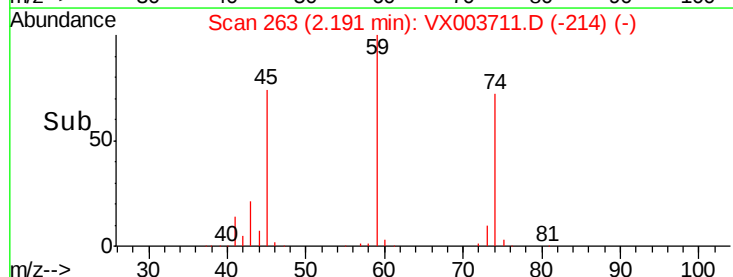
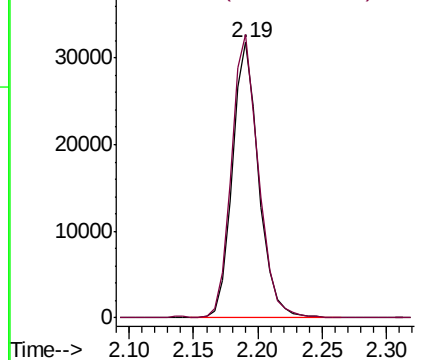
74 100

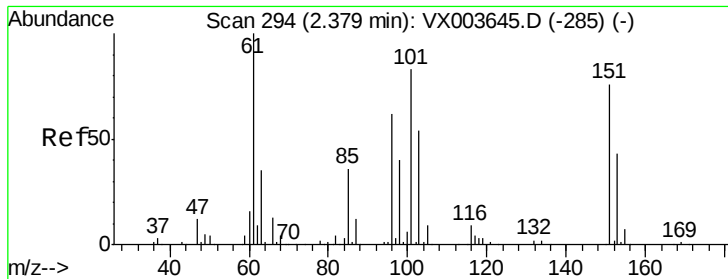
45 104.9 51.0 153.1



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.79 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

Instrument :

MSVOA_X

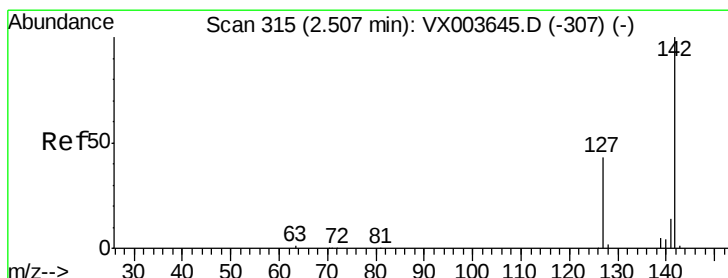
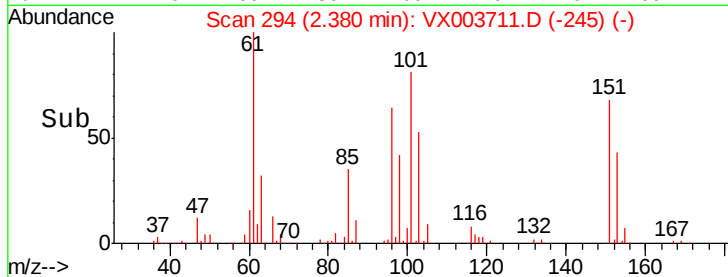
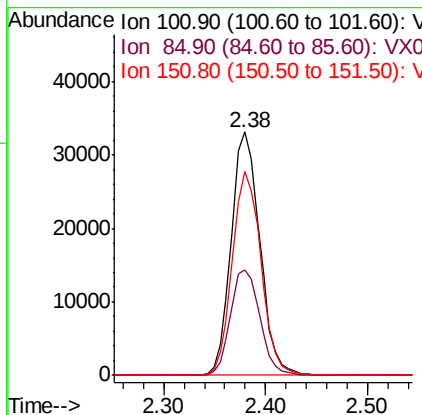
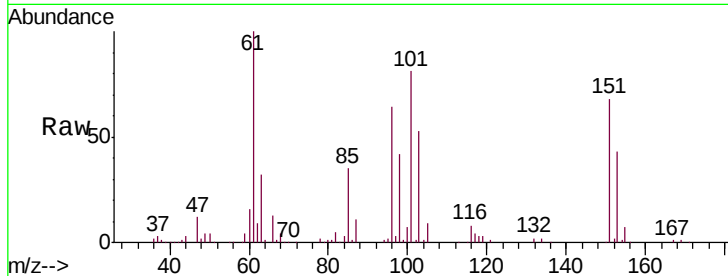
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	64343
Ion Ratio	Lower	Upper	
101	100		
85	44.4	34.6	52.0
151	84.2	67.5	101.3

Manual Integrations
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#10

Methyl Iodide

Concen: 56.86 ug/l

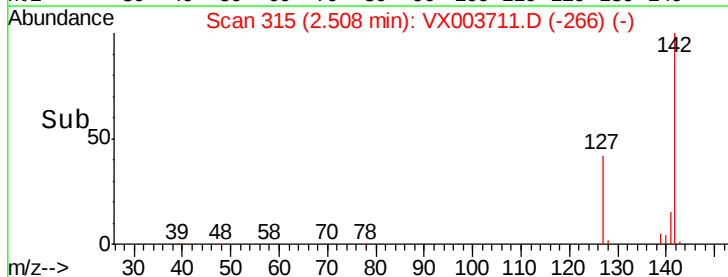
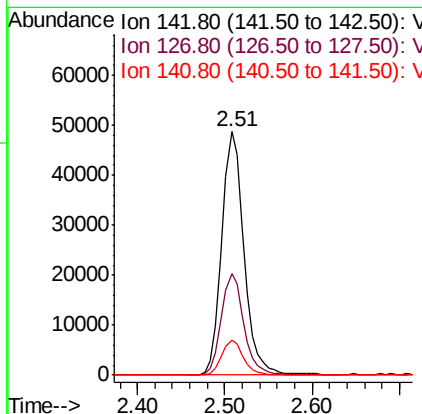
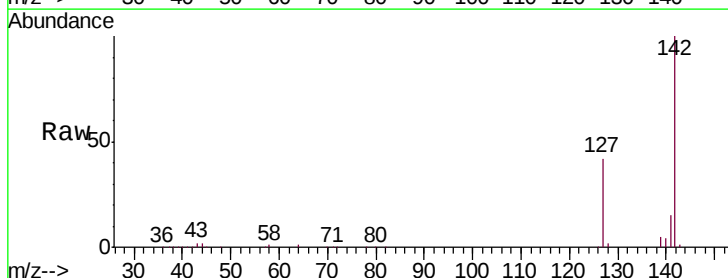
RT: 2.51 min Scan# 315

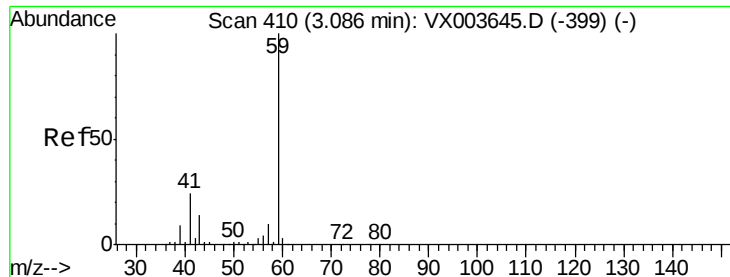
Delta R.T. 0.00 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

Tgt Ion:	142	Resp:	86025
Ion Ratio	Lower	Upper	
142	100		
127	41.9	34.0	51.0
141	14.1	11.3	16.9





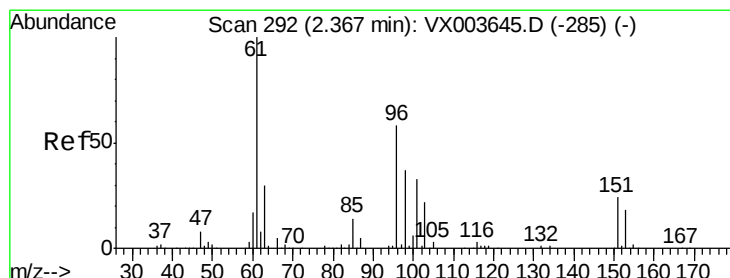
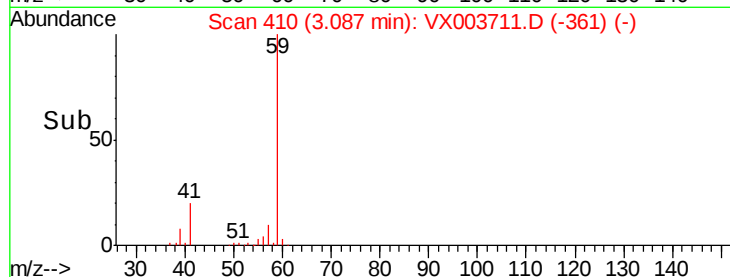
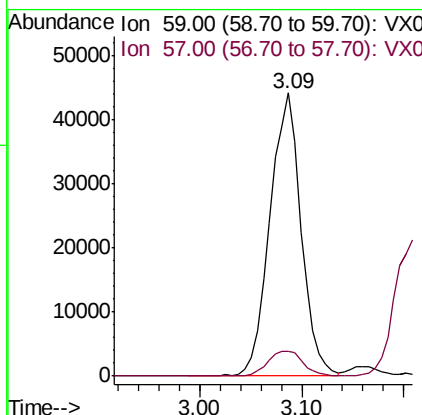
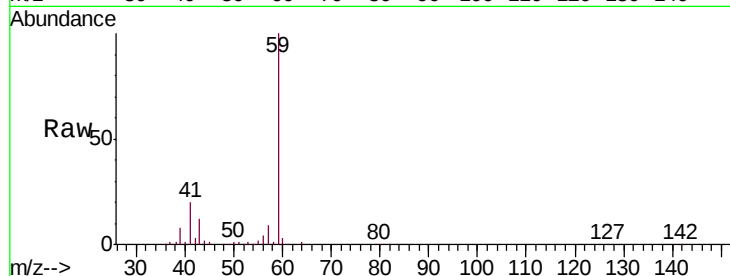
#11
Tert butyl alcohol
Concen: 286.82 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 93016
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.4

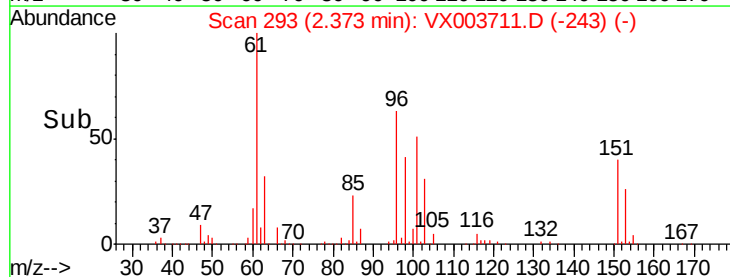
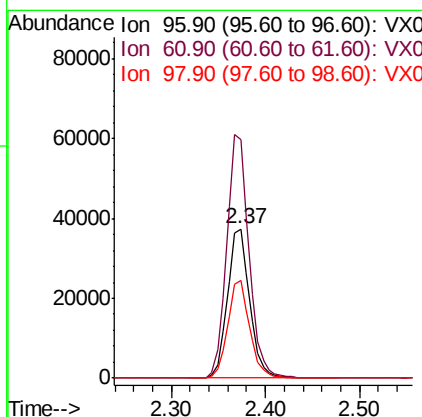
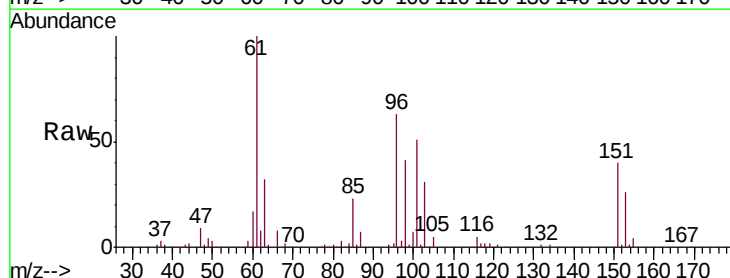
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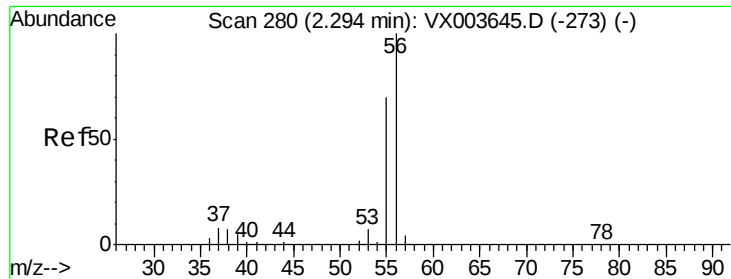
MMDadoda
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#12
1,1-Dichloroethene
Concen: 57.68 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Tgt Ion: 96 Resp: 61105
Ion Ratio Lower Upper
96 100
61 159.7 138.8 208.2
98 65.3 51.4 77.2





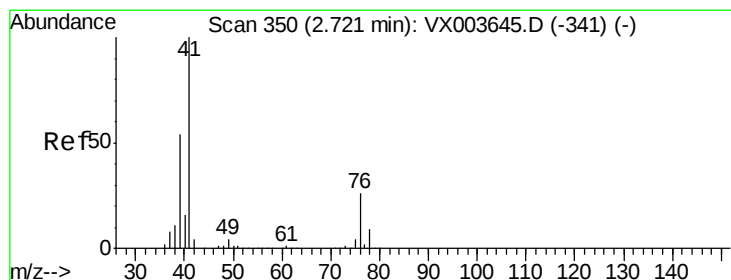
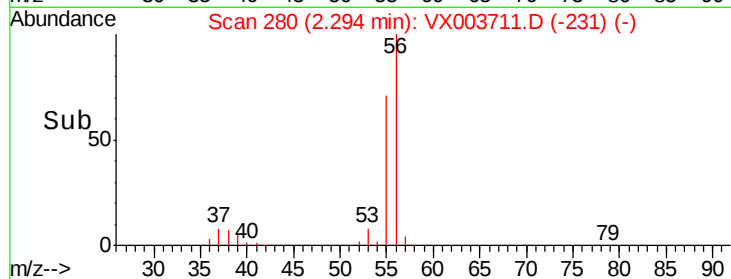
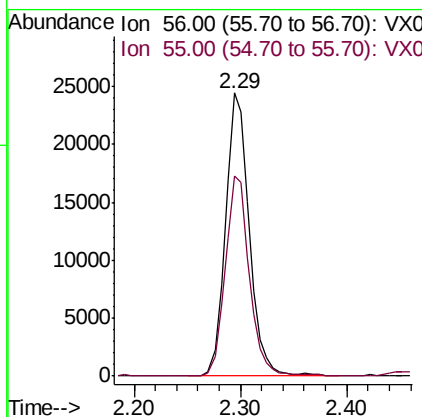
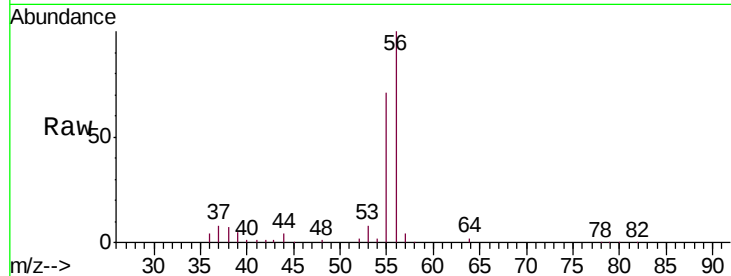
#13
Acrolein
Concen: 233.06 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	55	Resp	Lower	Upper
38173	100	72.1		55.4	83.2

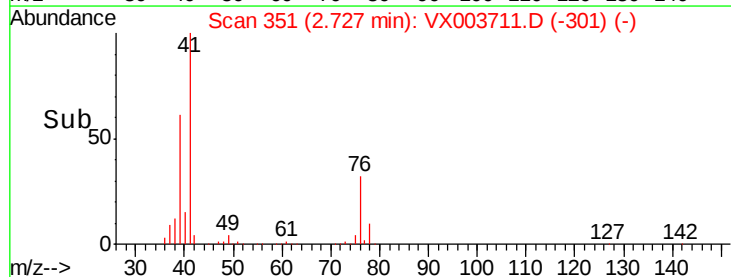
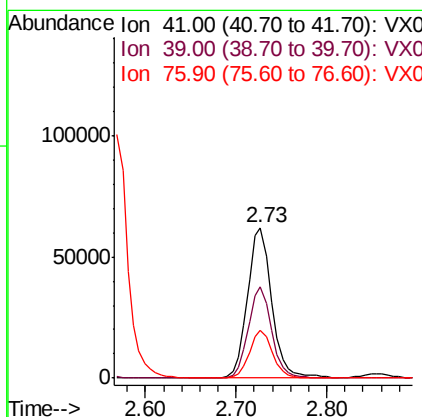
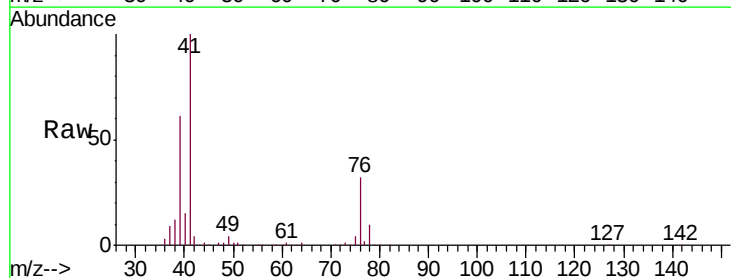
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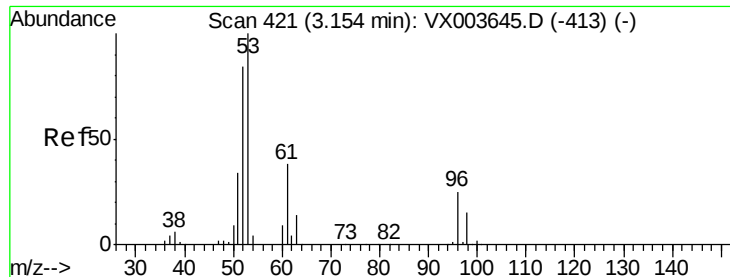
MMDadoda
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#14
Allyl chloride
Concen: 52.23 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.01 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Tgt Ion	41	39	76	Resp	Lower	Upper
115345	100	57.7	30.0		45.3	67.9





#15

Acrylonitrile

Concen: 277.61 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

Instrument :

MSVOA_X

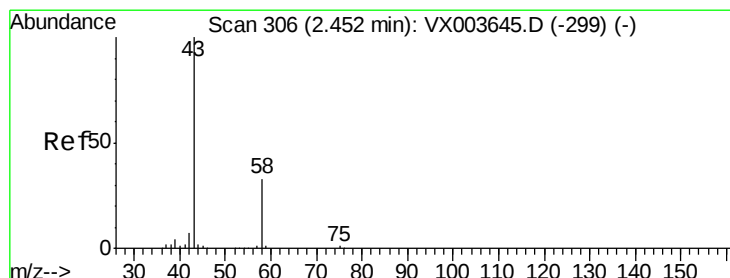
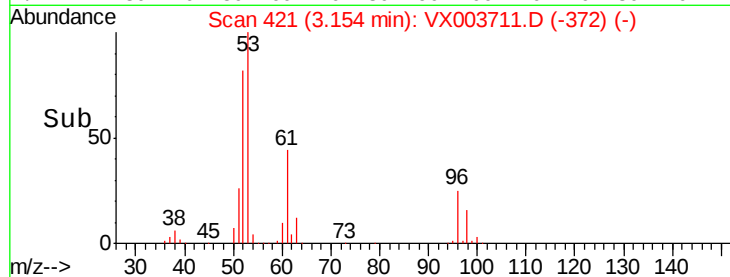
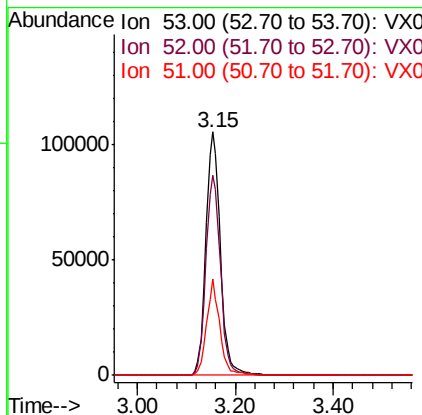
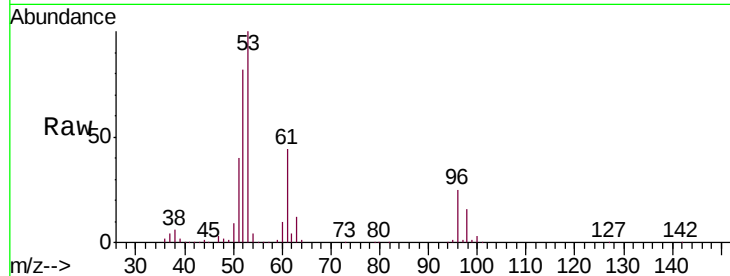
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	217528
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.1	99.1
51	35.6	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 296.08 ug/l

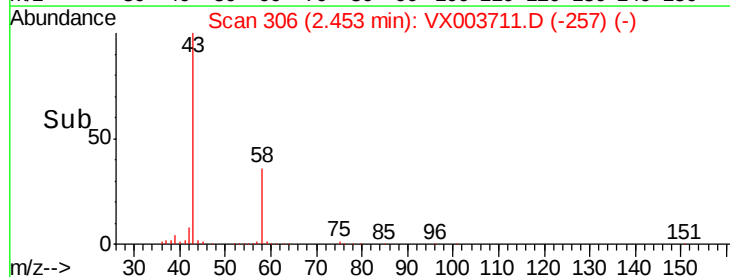
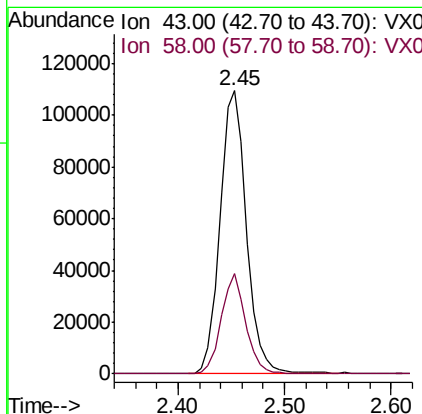
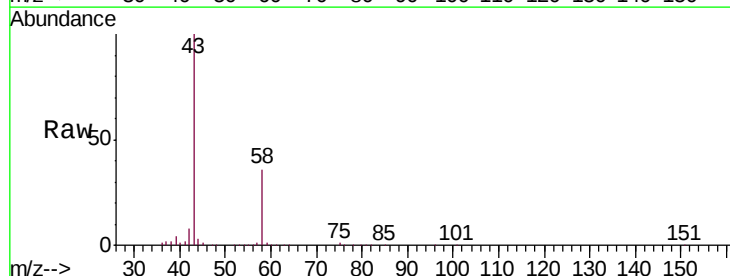
RT: 2.45 min Scan# 306

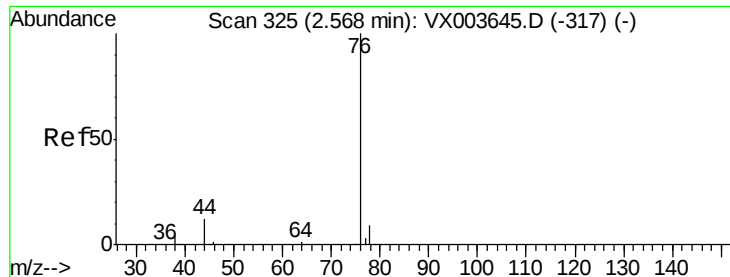
Delta R.T. 0.00 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

Tgt Ion:	43	Resp:	188713
Ion	Ratio	Lower	Upper
43	100		
58	35.6	26.1	39.1





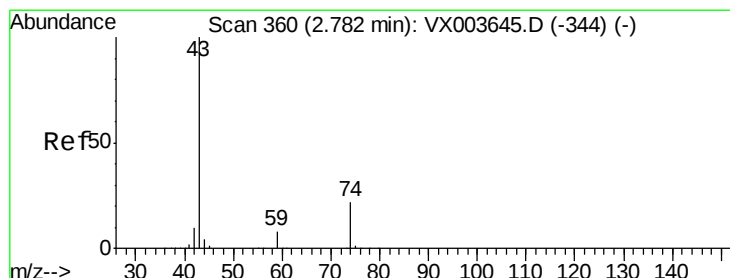
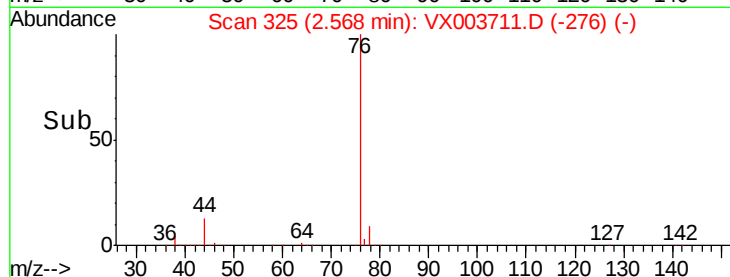
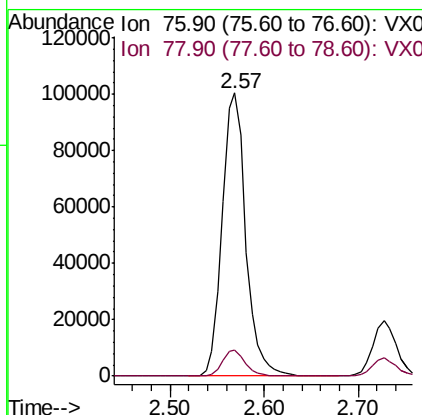
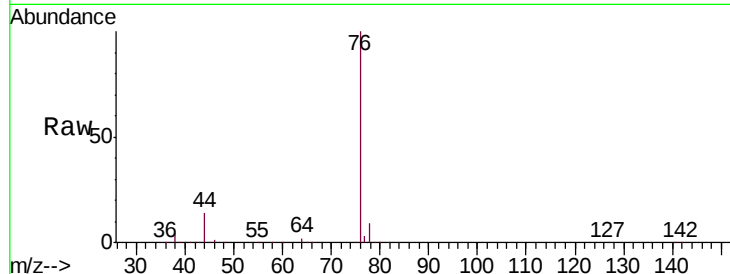
#17
Carbon Disulfide
Concen: 57.31 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

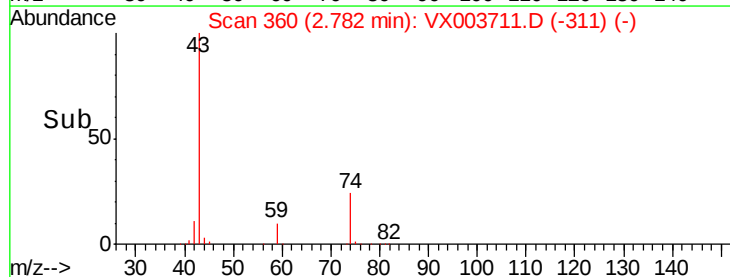
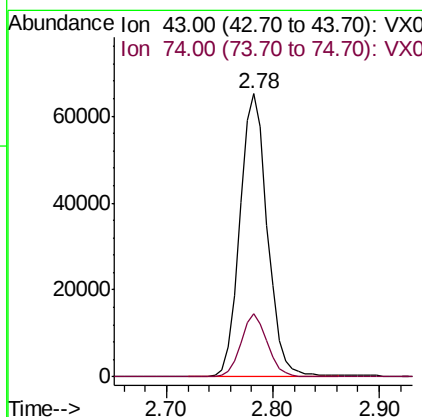
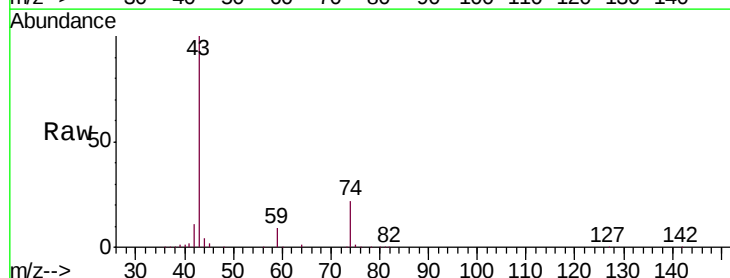
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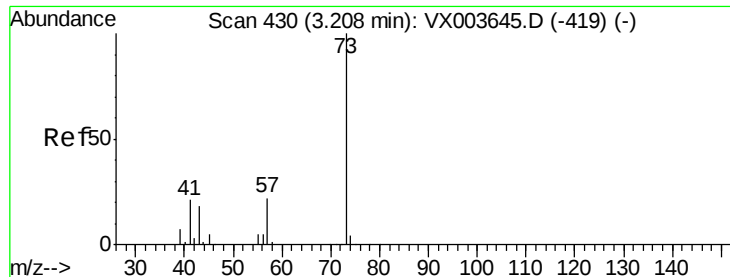
MMDadoda
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#18
Methyl Acetate
Concen: 61.15 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.8	26.8





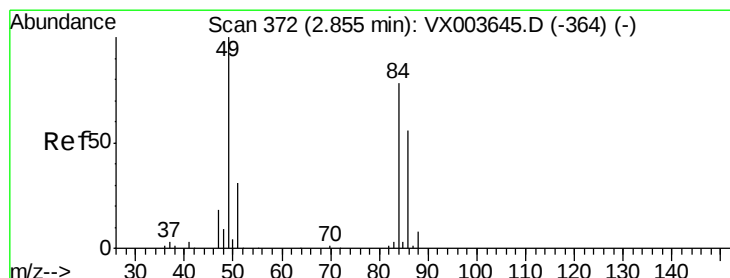
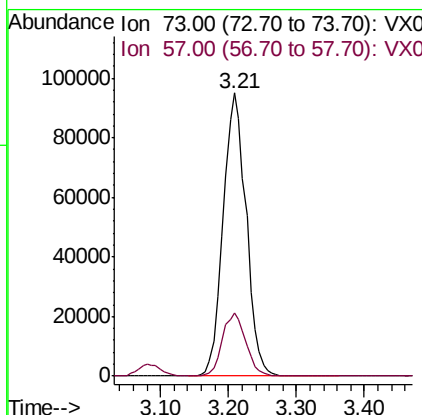
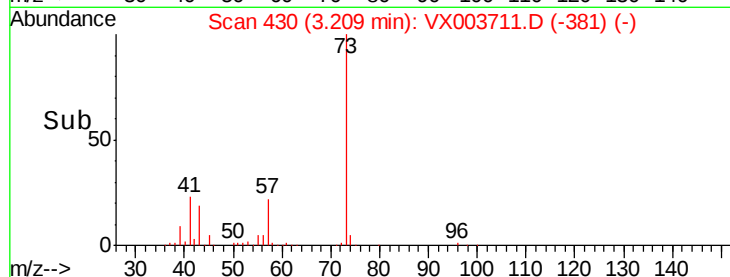
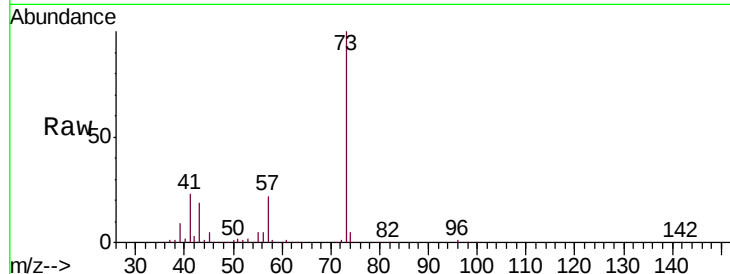
#19
Methyl tert-butyl Ether
Concen: 59.46 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 222483
Ion Ratio Lower Upper
73 100
57 22.3 17.4 26.2

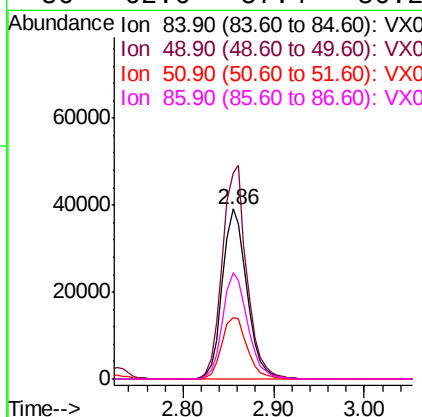
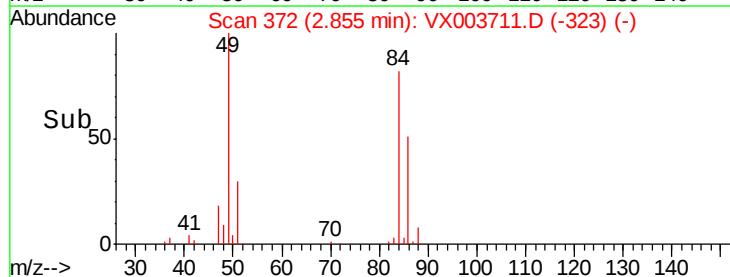
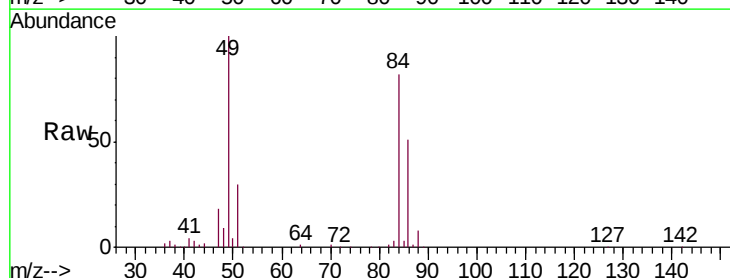
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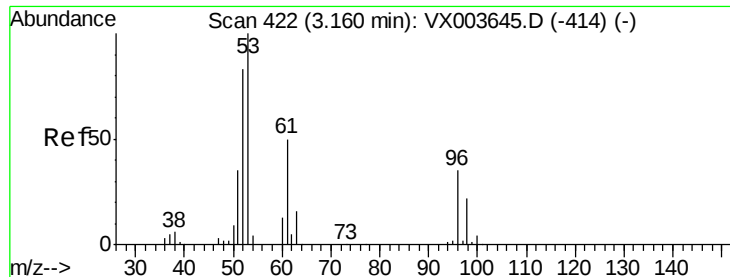
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#20
Methylene Chloride
Concen: 58.55 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Tgt Ion: 84 Resp: 73942
Ion Ratio Lower Upper
84 100
49 121.6 102.3 153.5
51 36.5 31.8 47.8
86 62.6 57.4 86.2





#21

trans-1,2-Dichloroethene

Concen: 59.07 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

Instrument :

MSVOA_X

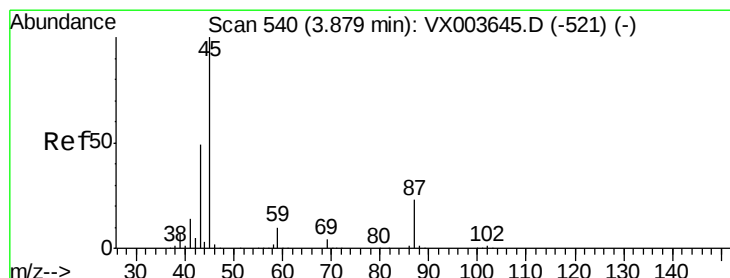
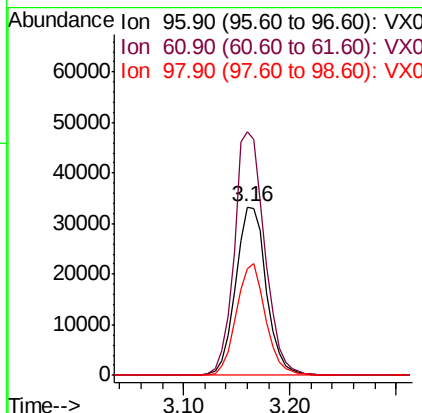
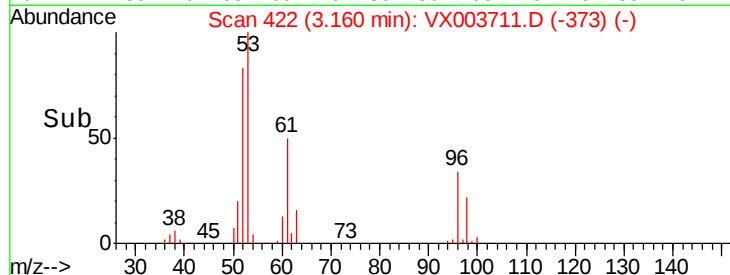
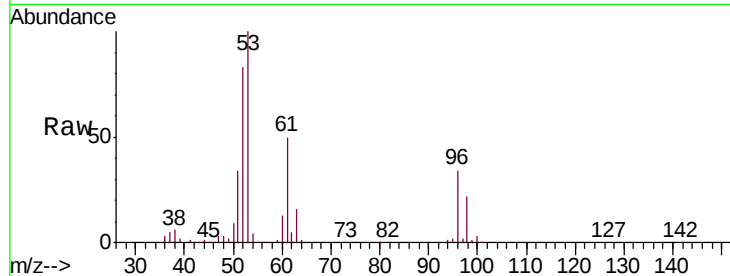
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	67287
Ion	Ratio	Lower	Upper
96	100		
61	144.7	115.0	172.4
98	63.8	49.7	74.5

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#22

Diisopropyl ether

Concen: 55.43 ug/l

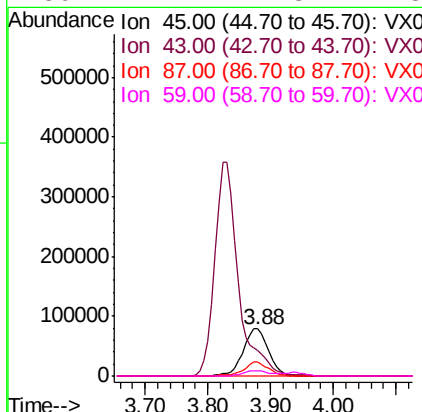
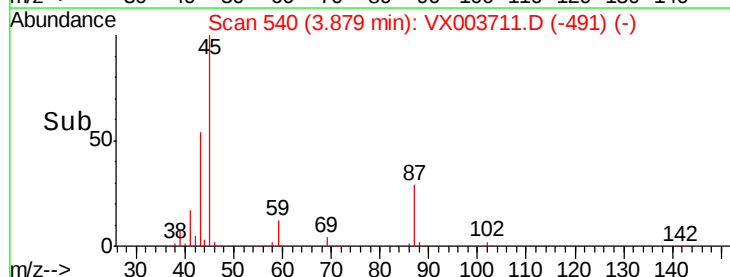
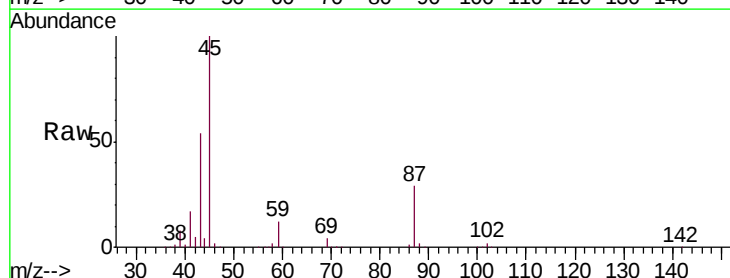
RT: 3.88 min Scan# 540

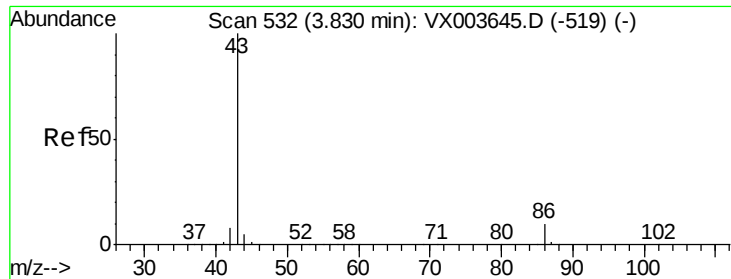
Delta R.T. 0.00 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

Tgt Ion:	45	Resp:	223486
Ion	Ratio	Lower	Upper
45	100		
43	54.2	39.0	58.4
87	29.4	18.4	27.6#
59	11.7	7.8	11.8





#23

Vinyl Acetate

Concen: 271.15 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 936533

Ion Ratio Lower Upper

43 100

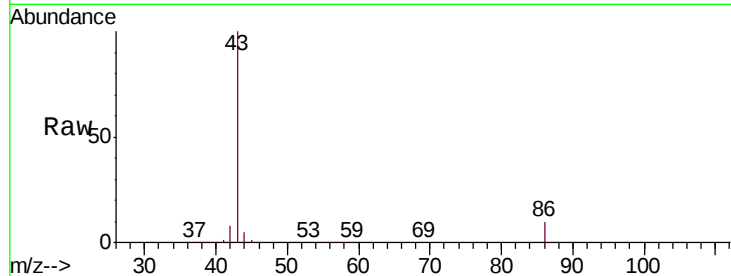
86 9.7 7.7 11.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

400000

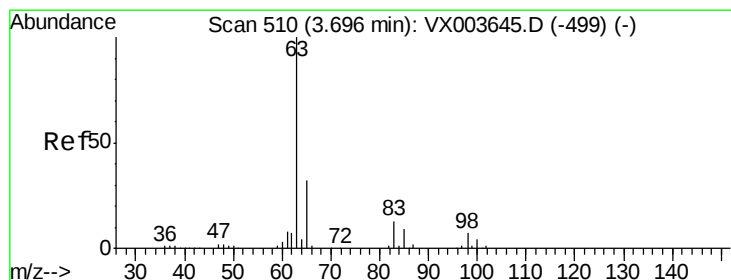
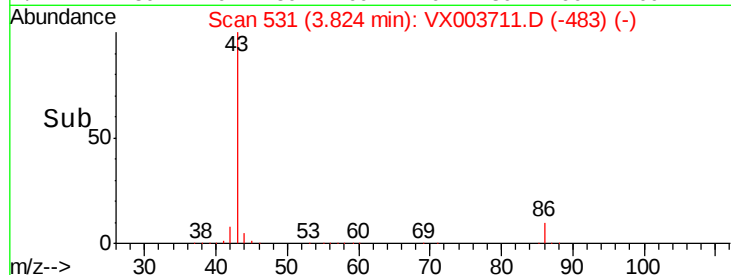
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 57.85 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

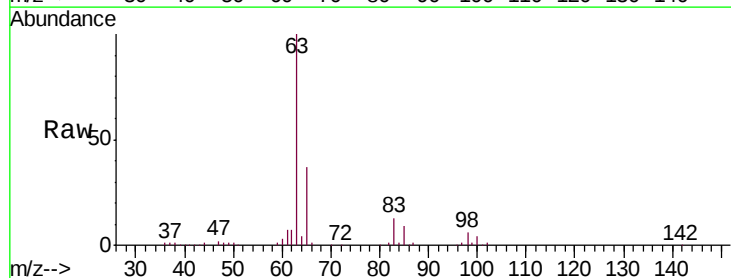
Tgt Ion: 63 Resp: 131466

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 3.9 2.1 6.3



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

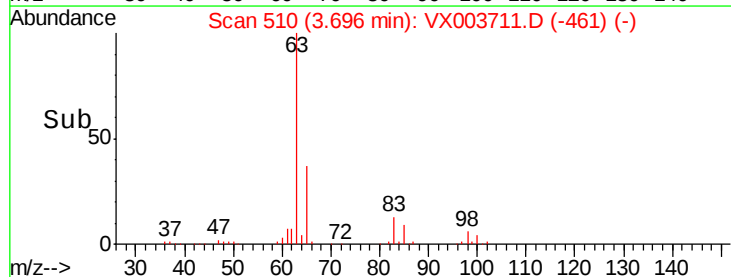
60000

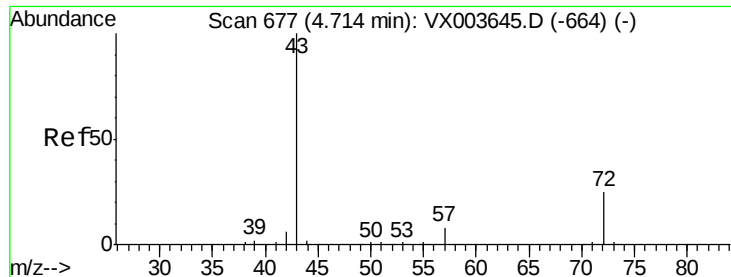
40000

20000

0

Time-->





#25

2-Butanone

Concen: 290.01 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 28554

Ion Ratio Lower Upper

43 100

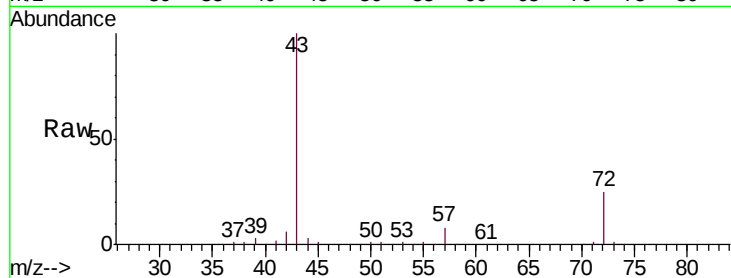
72 24.9 20.2 30.4

Manual Integrations

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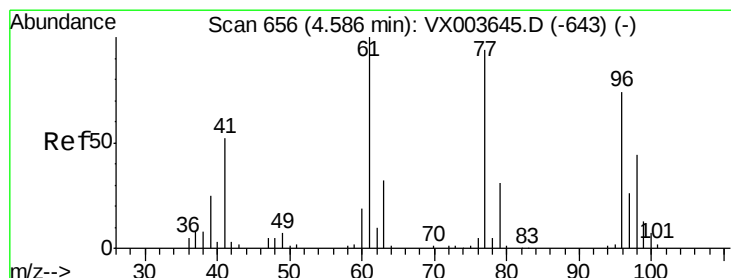
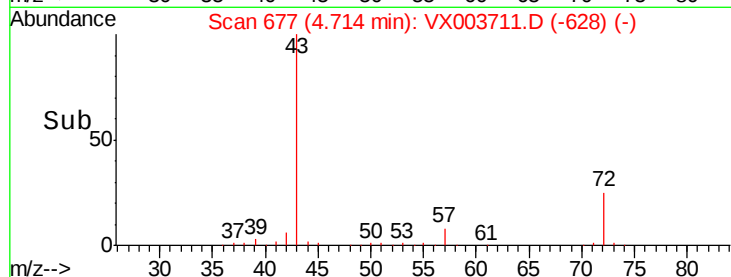
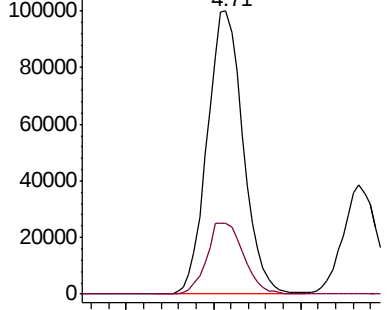
MMDadoda

7/27/2018 5:41:25 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 25.59 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003711.D

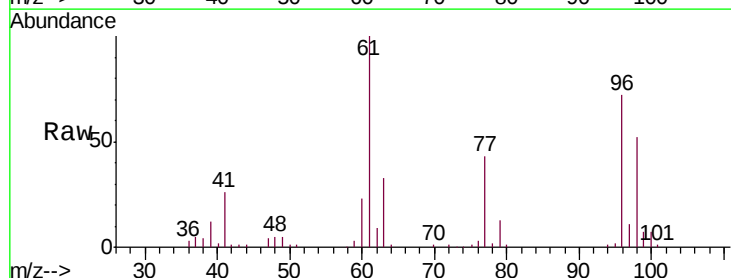
Acq: 27 Jul 2018 10:53

Tgt Ion: 77 Resp: 36773

Ion Ratio Lower Upper

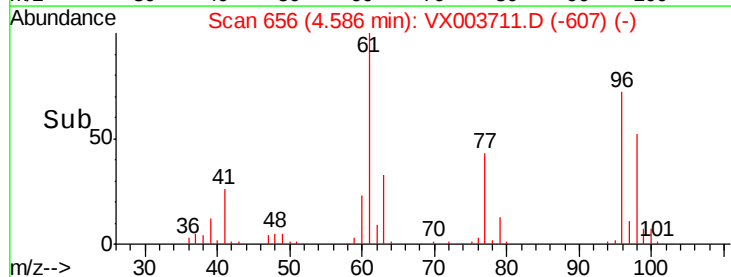
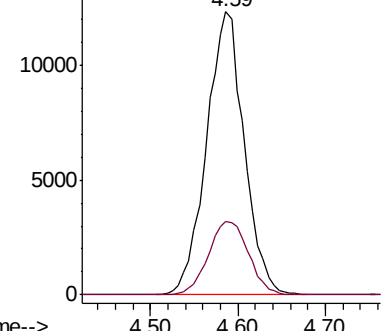
77 100

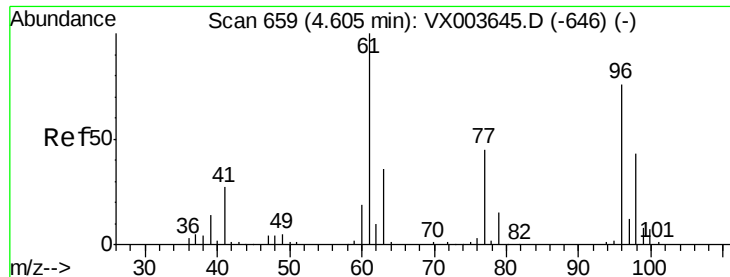
97 27.9 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

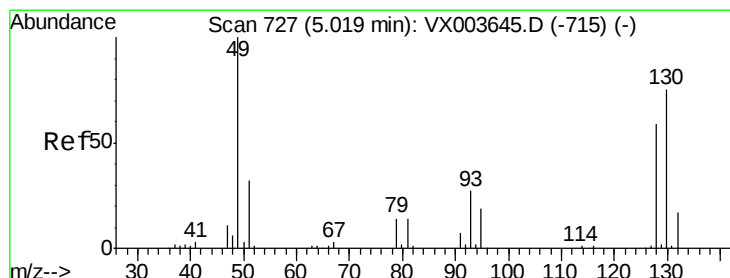
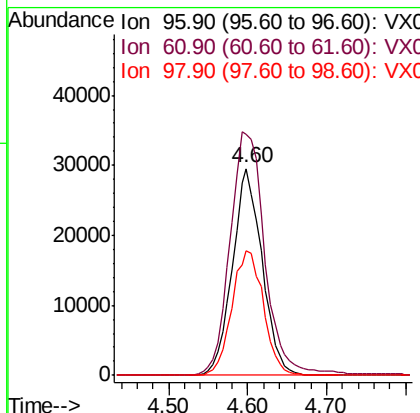
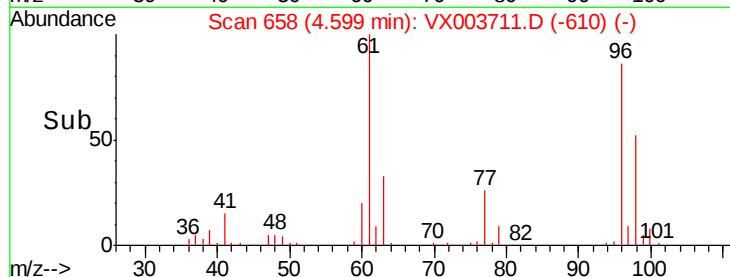
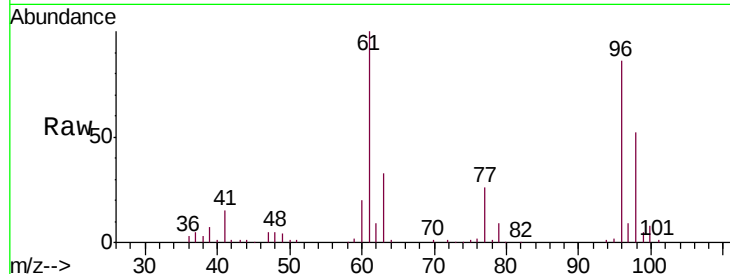
cis-1,2-Dichloroethene
Concen: 62.50 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	313.6
98	63.9	0.0	125.6

Manual Integrations
APPROVED

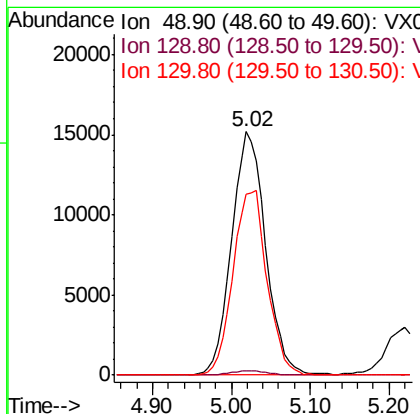
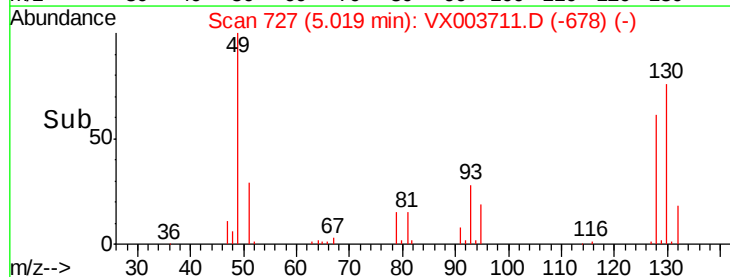
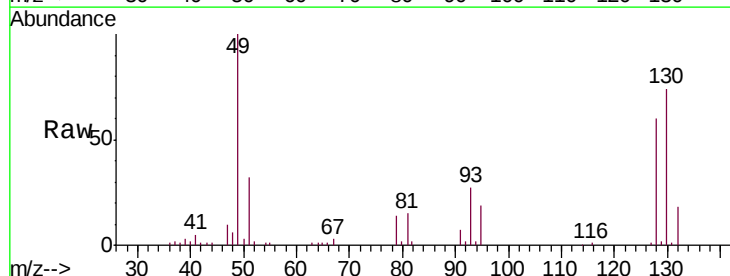
MMDadoda
7/27/2018 5:41:25 PM

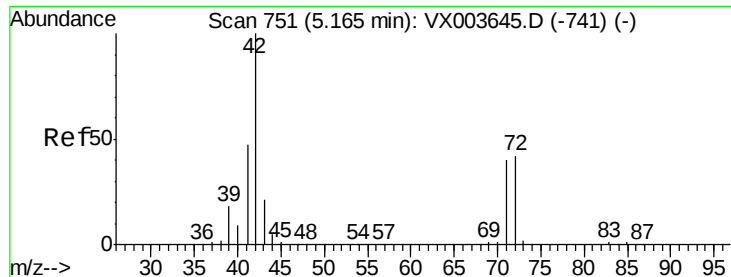


#28

Bromochloromethane
Concen: 49.97 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	75.4	61.0	91.6





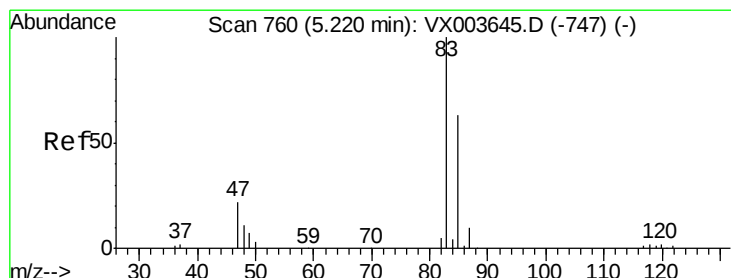
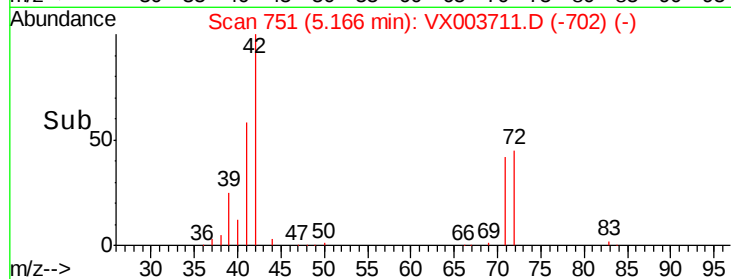
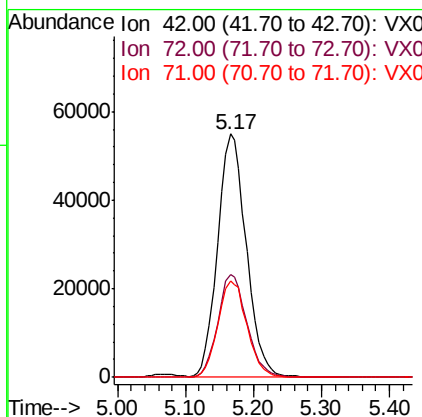
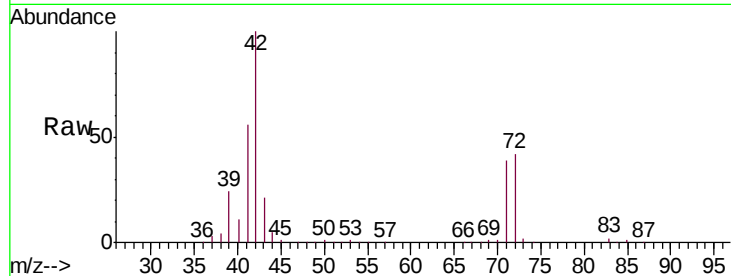
#29
Tetrahydrofuran
Concen: 250.11 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	33.4	50.0
71	40.1	31.0	46.6

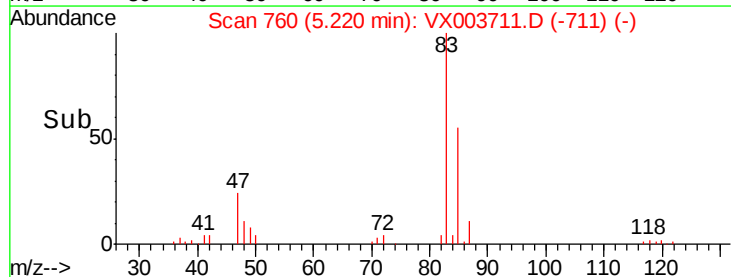
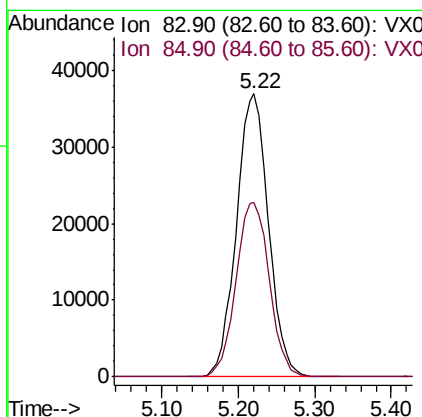
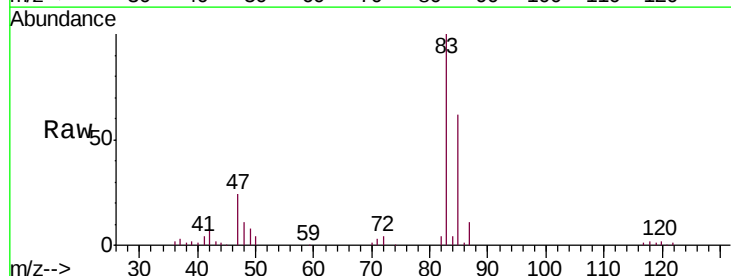
Manual Integrations
APPROVED

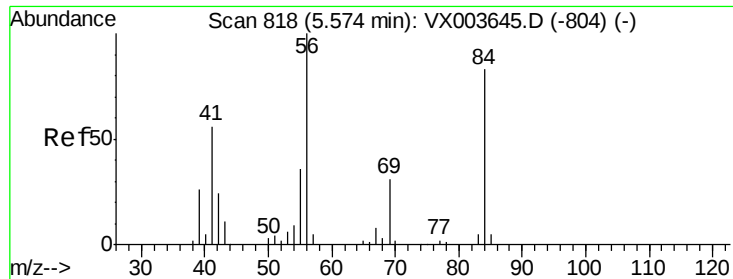
MMDadoda
7/27/2018 5:41:25 PM



#30
Chloroform
Concen: 51.98 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.6	50.2	75.4





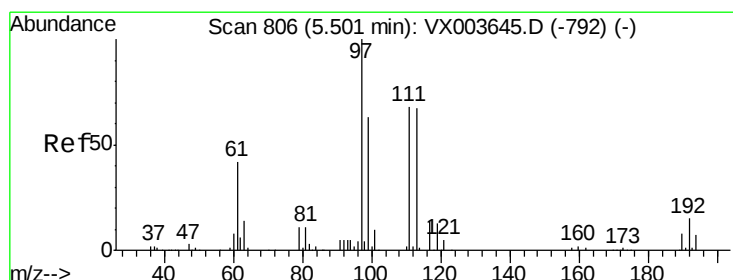
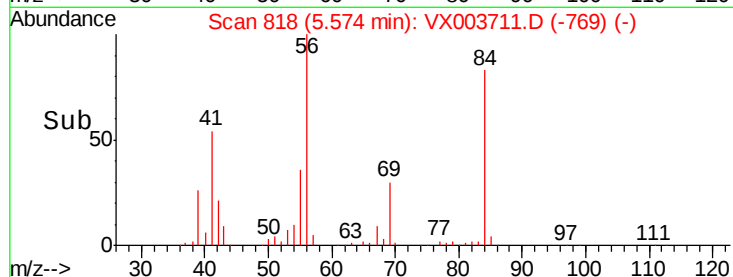
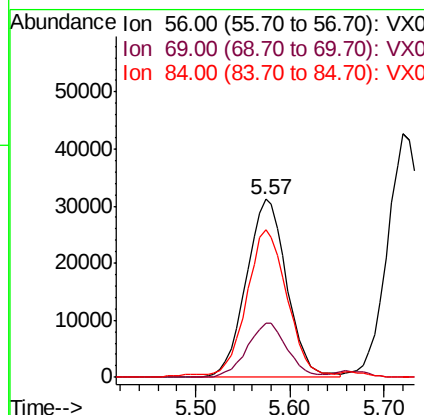
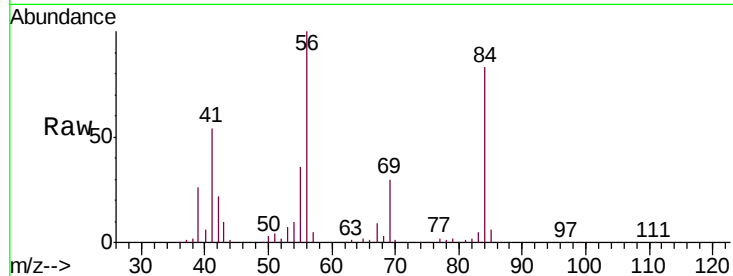
#31
Cyclohexane
Concen: 51.48 ug/l
RT: 5.57 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	25.0	37.6
84	81.3	66.5	99.7

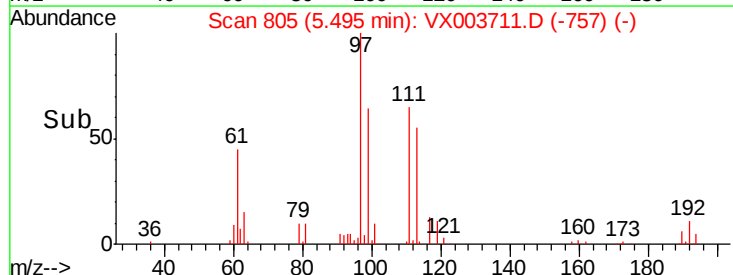
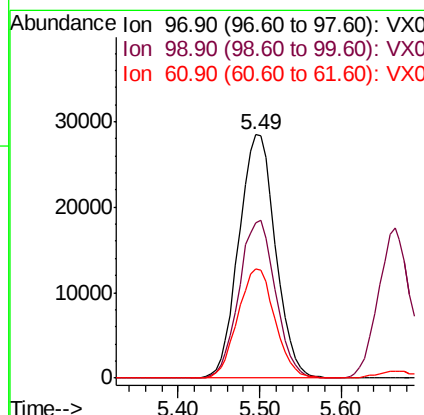
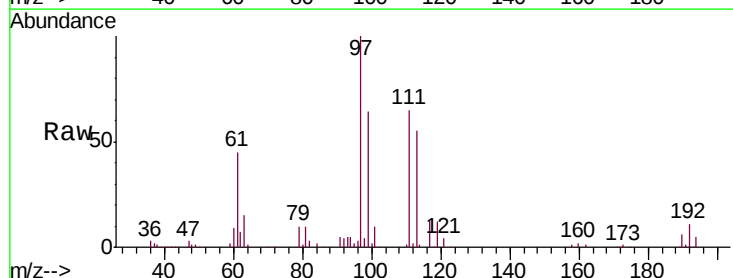
Manual Integrations
APPROVED

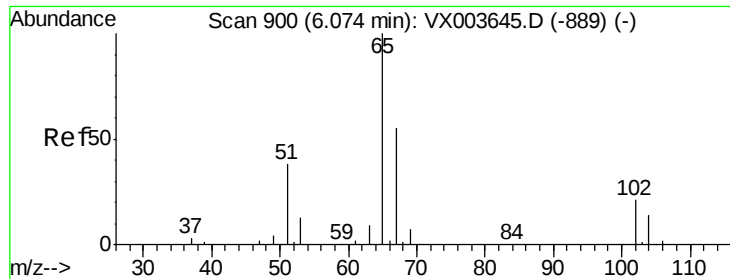
MMDadoda
7/27/2018 5:41:25 PM



#32
1,1,1-Trichloroethane
Concen: 51.91 ug/l
RT: 5.49 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.4	75.6
61	45.5	34.5	51.7





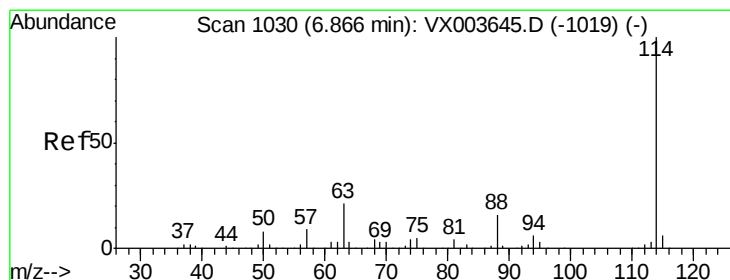
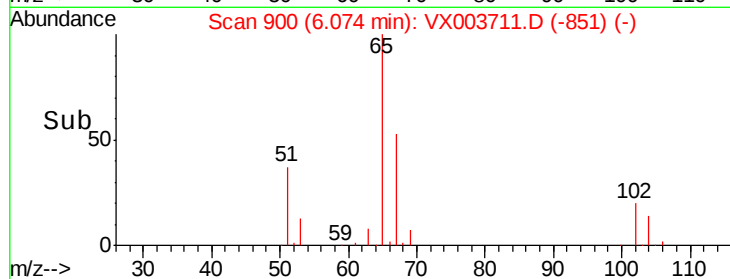
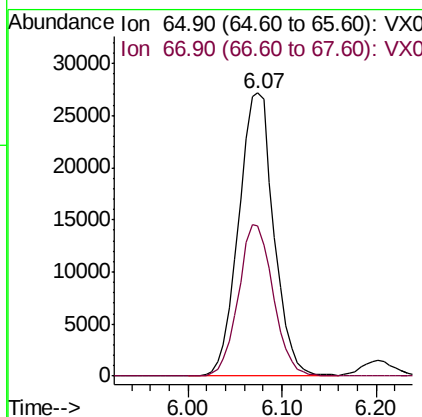
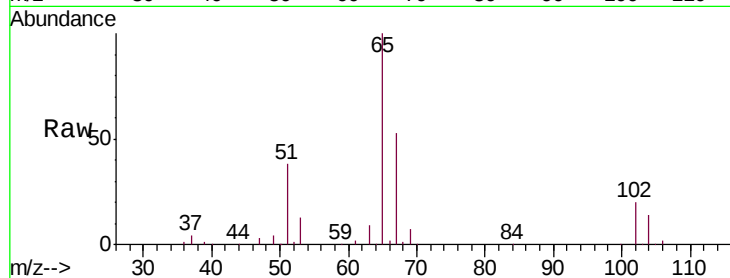
#33
 1,2-Dichloroethane-d4
 Concen: 52.39 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003711.D
 Acq: 27 Jul 2018 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	107.8

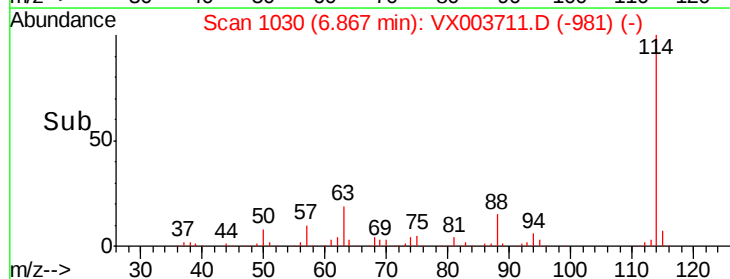
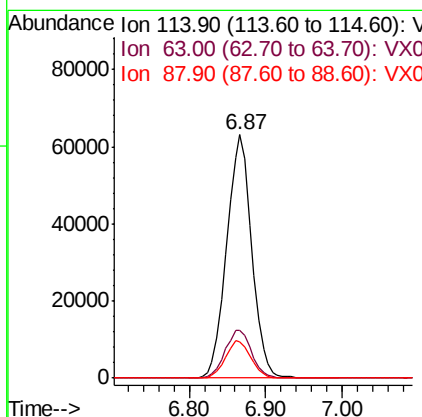
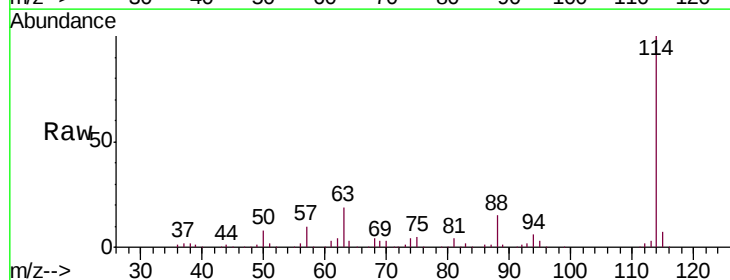
Manual Integrations
 APPROVED

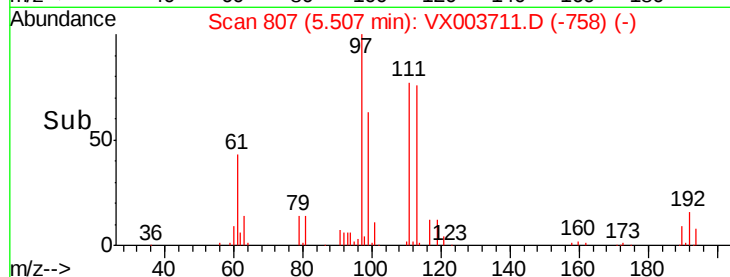
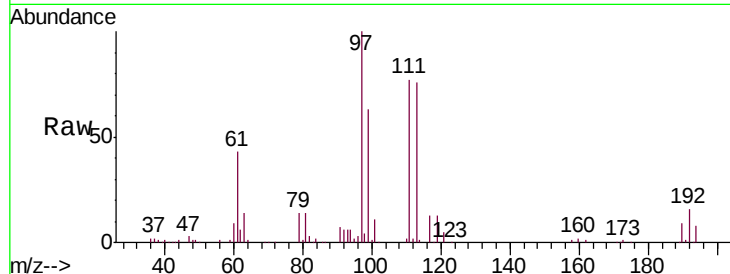
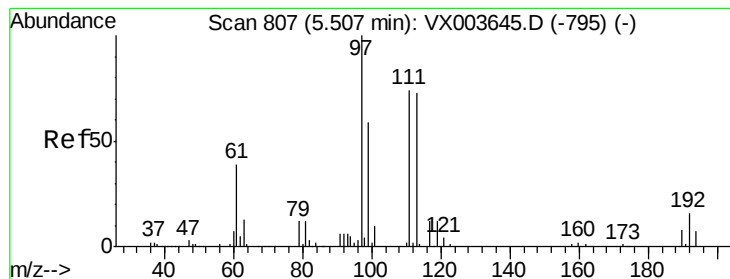
MMDadoda
 7/27/2018 5:41:25 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003711.D
 Acq: 27 Jul 2018 10:53

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	41.0
88	14.8	0.0	31.8





#35

Dibromofluoromethane

Concen: 47.45 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003711.D

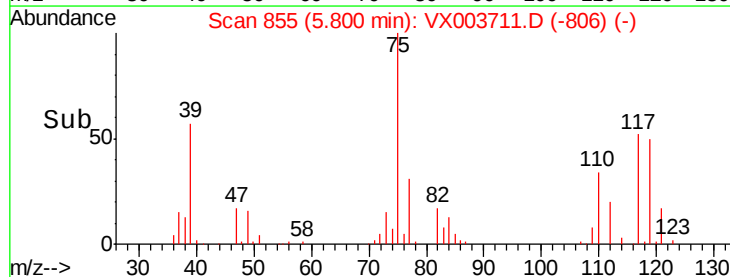
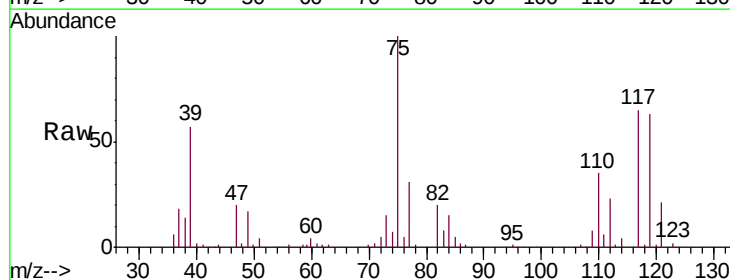
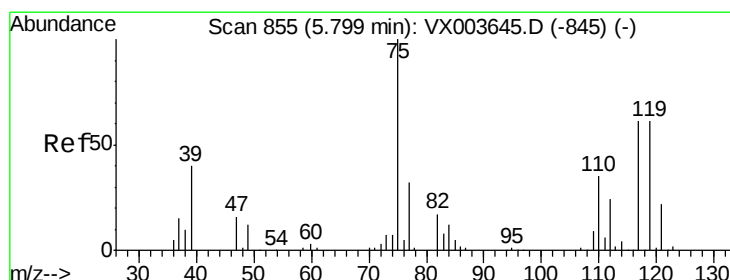
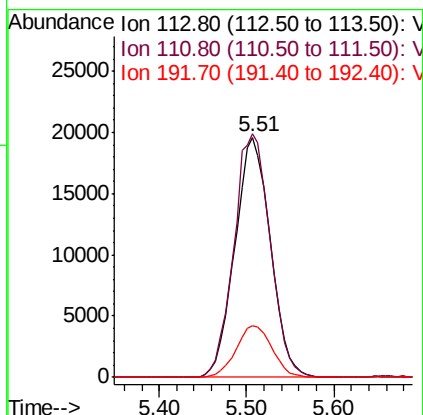
Acq: 27 Jul 2018 10:53

Tot Ion:	113	Resp:	55369
Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.2	121.8
192	21.7	18.2	27.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
7/27/2018 5:41:25 PM



#36

1,1-Dichloropropene

Concen: 47.30 ug/l

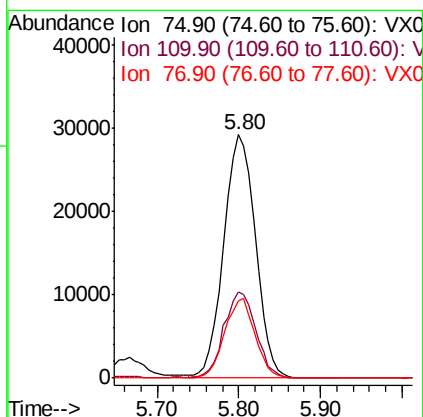
RT: 5.80 min Scan# 855

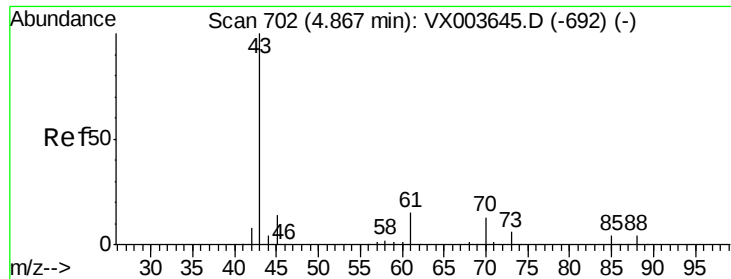
Delta R.T. 0.00 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

Tgt Ion:	75	Resp:	78934
Ion	Ratio	Lower	Upper
75	100		
110	35.6	18.1	54.1
77	31.2	25.1	37.7





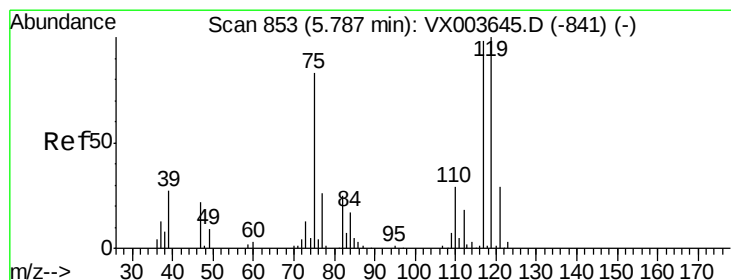
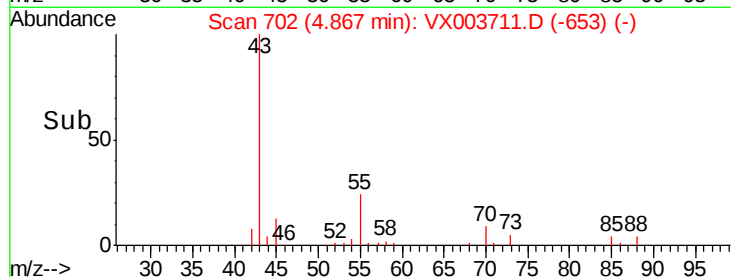
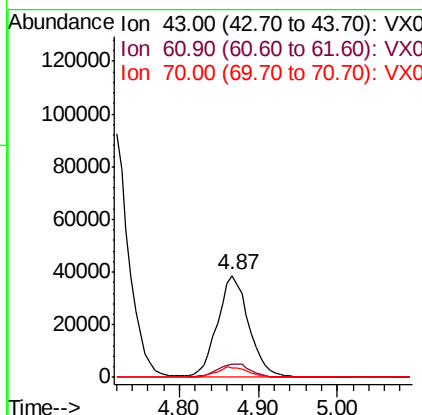
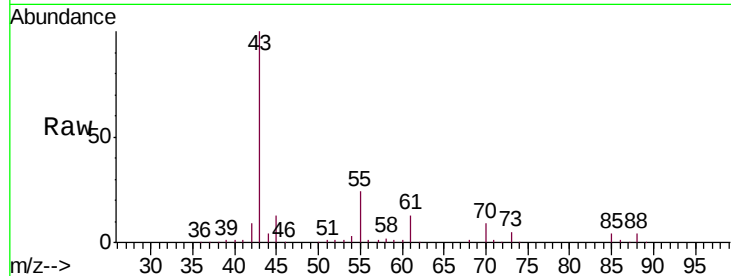
#37
Ethyl Acetate
Concen: 53.29 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.9	17.9
70	10.2	8.6	12.8

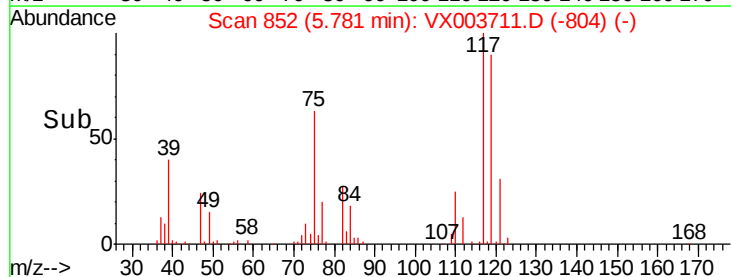
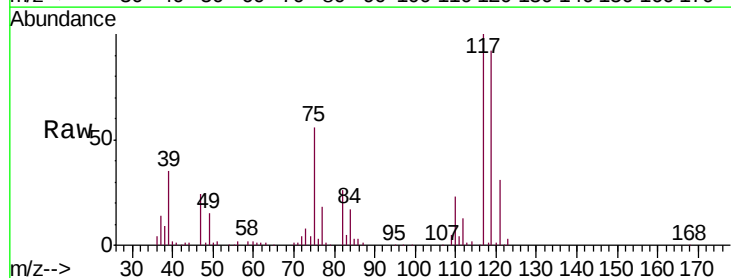
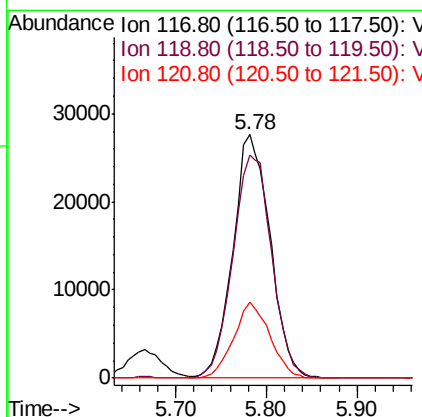
Manual Integrations
APPROVED

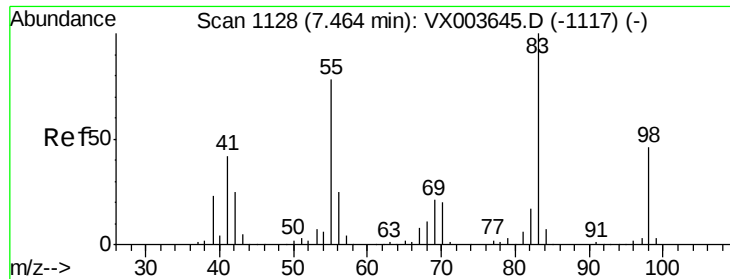
MMDadoda
7/27/2018 5:41:25 PM



#38
Carbon Tetrachloride
Concen: 48.97 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.7	81.0	121.4
121	31.4	23.7	35.5





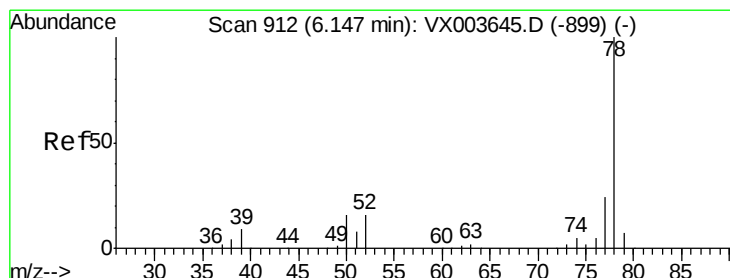
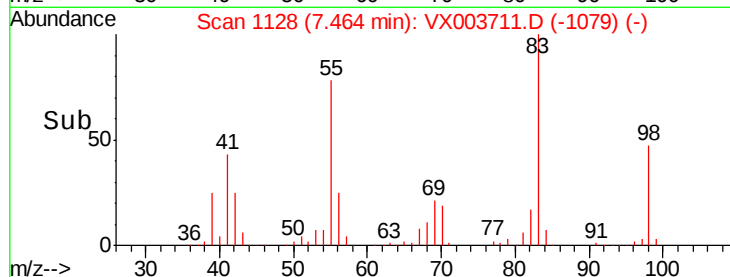
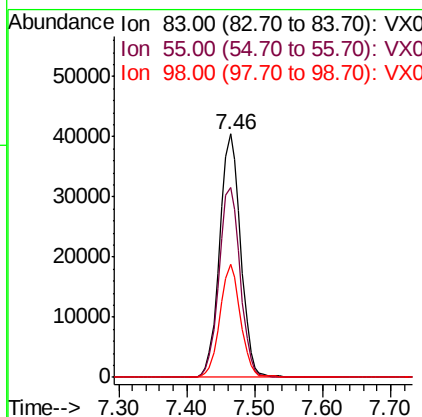
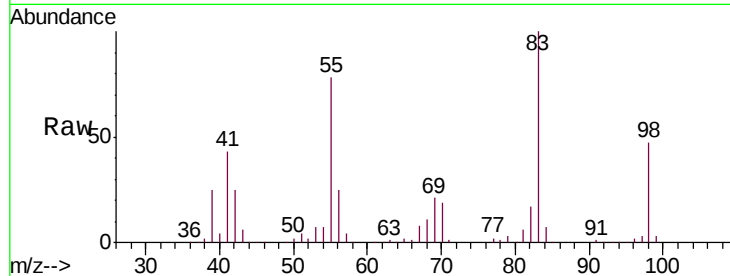
#39
Methvlcvclohexane
Concen: 47.27 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	62.6	93.8
98	46.6	36.6	55.0

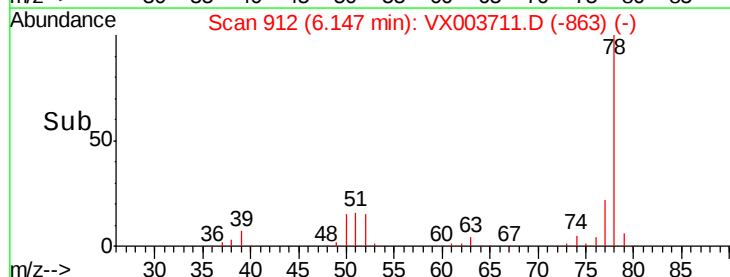
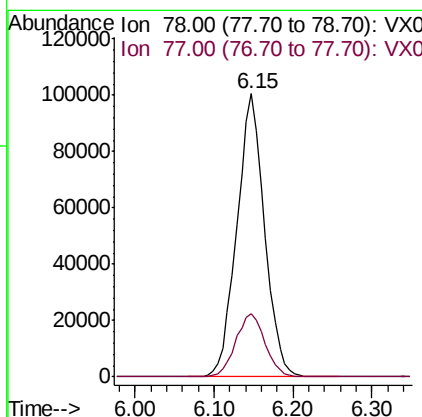
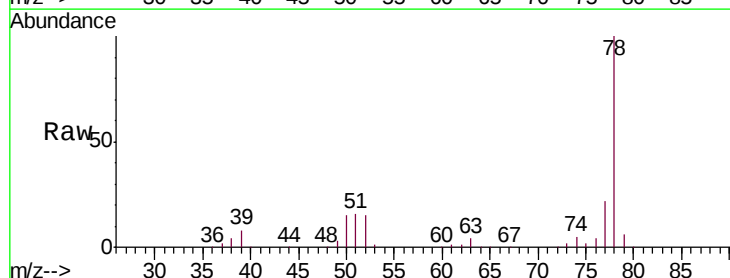
Manual Integrations
APPROVED

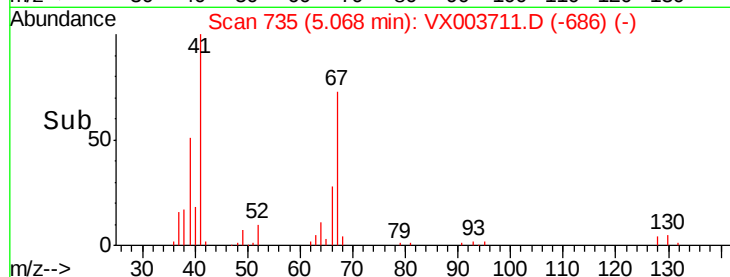
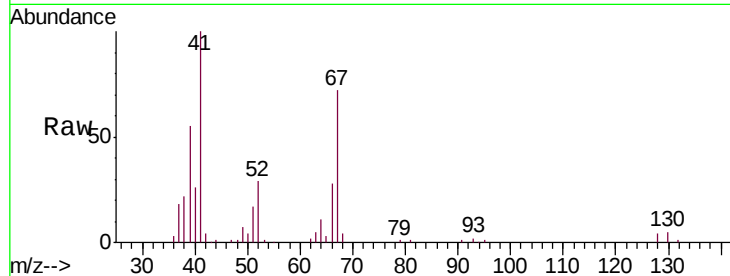
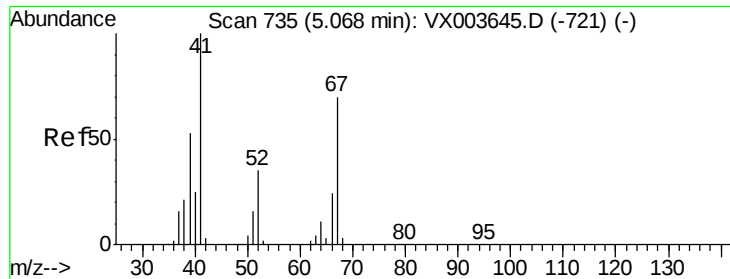
MMDadoda
7/27/2018 5:41:25 PM



#40
Benzene
Concen: 49.51 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	19.0	28.6





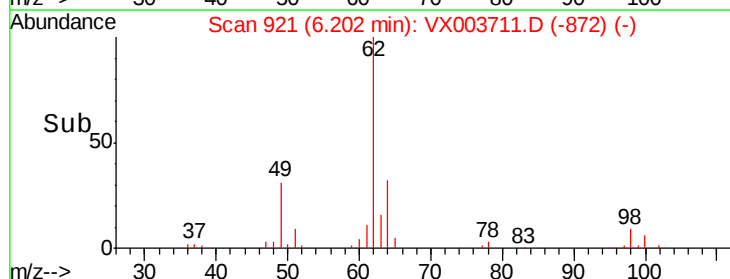
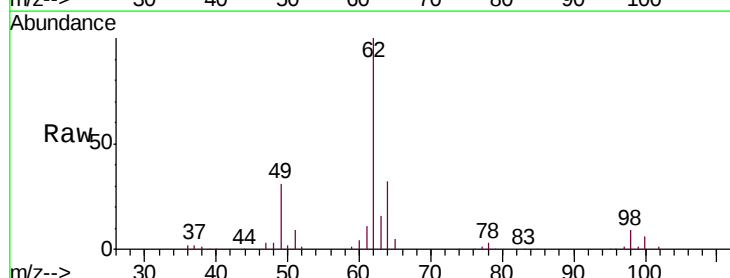
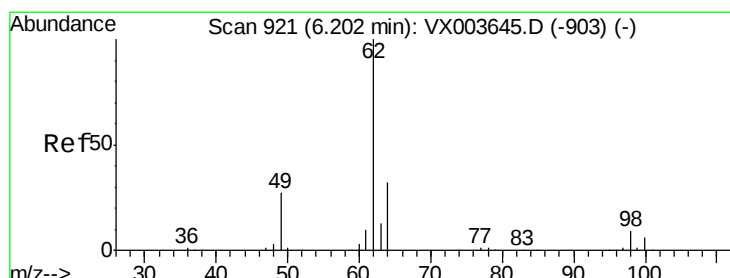
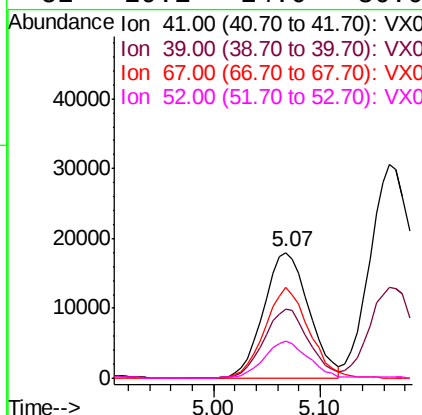
#41
Methacrylonitrile
Concen: 48.01 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		53339		
39	54.5	42.2	63.4		
67	69.8	56.6	84.8		
52	29.1	24.0	36.0		

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

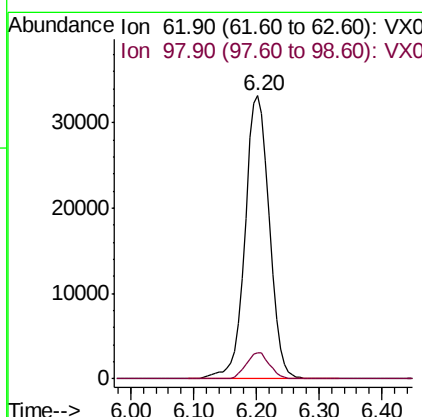
Manual Integrations
APPROVED

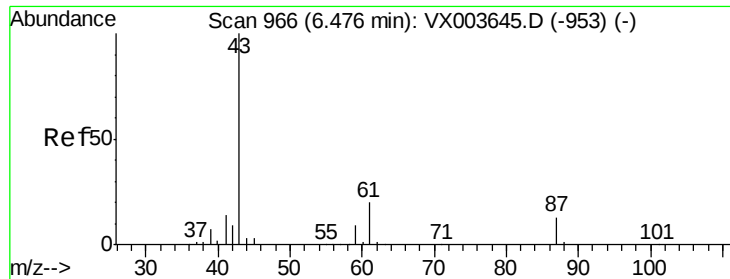
MMDadoda
7/27/2018 5:41:25 PM



#42
1,2-Dichloroethane
Concen: 51.09 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		88796		
98	8.9	0.0	18.4		





#43

Isopropyl Acetate

Concen: 50.10 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

Instrument :

MSVOA_X

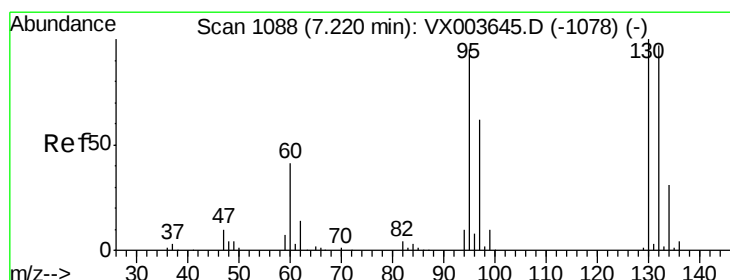
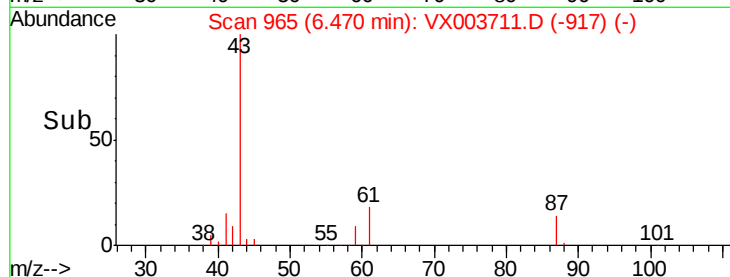
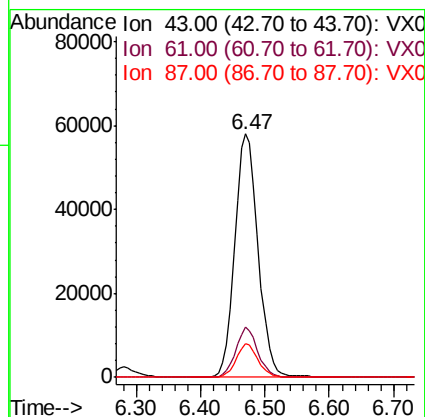
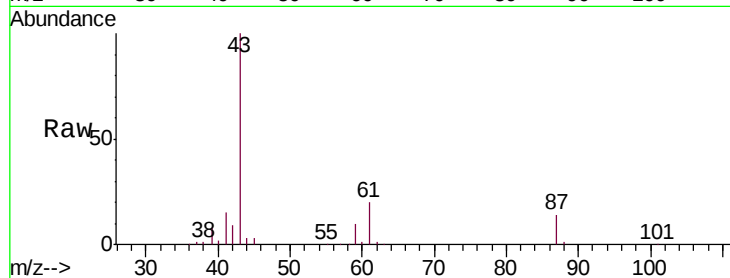
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	146658
Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.9	23.9
87	12.9	10.1	15.1

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#44

Trichloroethene

Concen: 44.93 ug/l

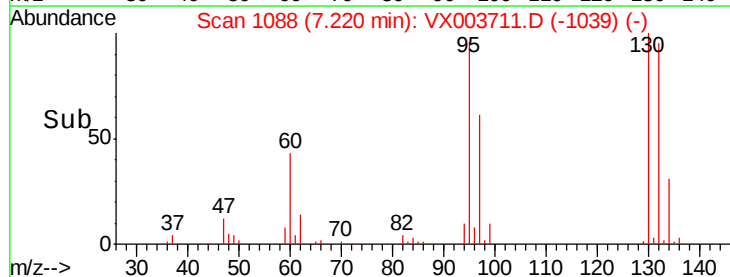
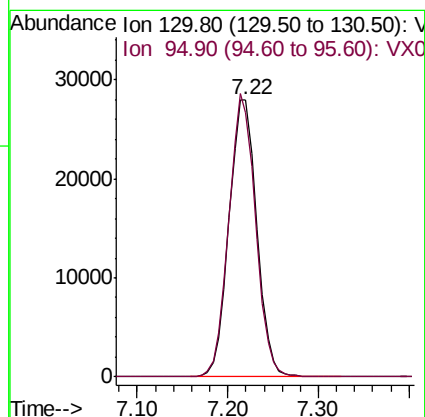
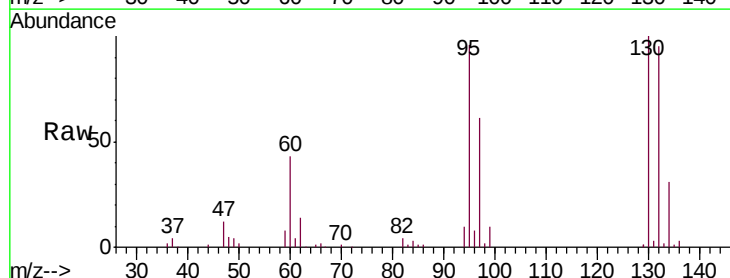
RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

Tgt Ion:	130	Resp:	59479
Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	190.0





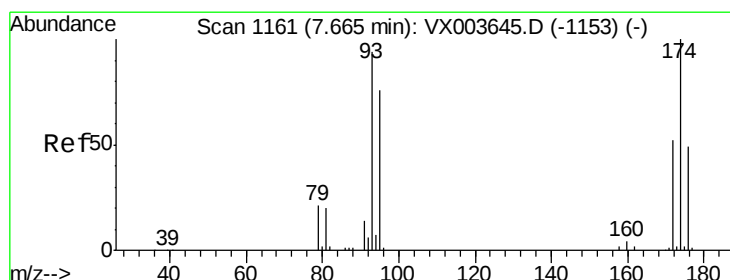
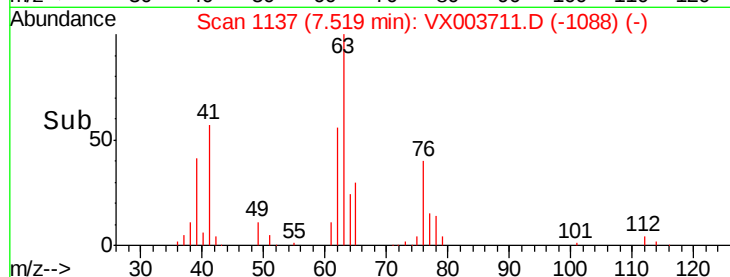
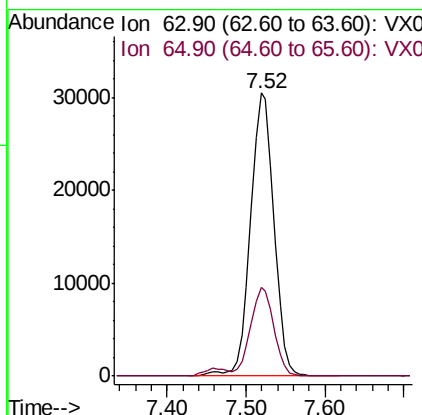
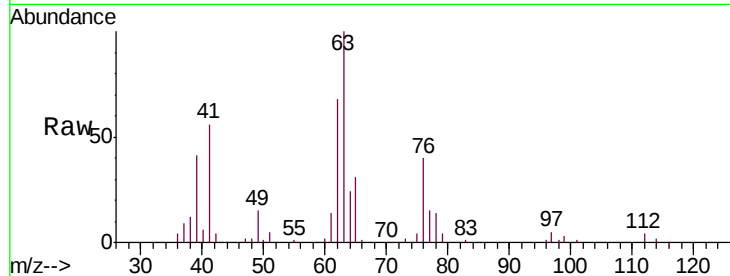
#45
 1,2-Dichloropropane
 Concen: 49.42 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003711.D
 Acq: 27 Jul 2018 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 63076
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.0 36.0

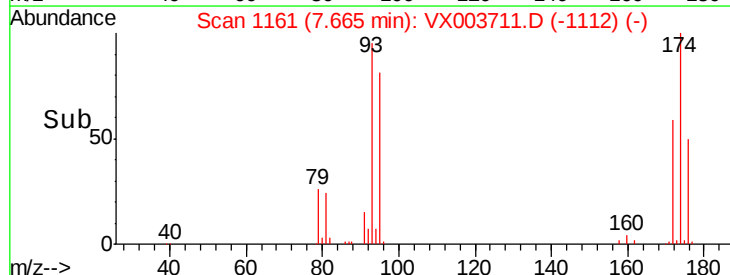
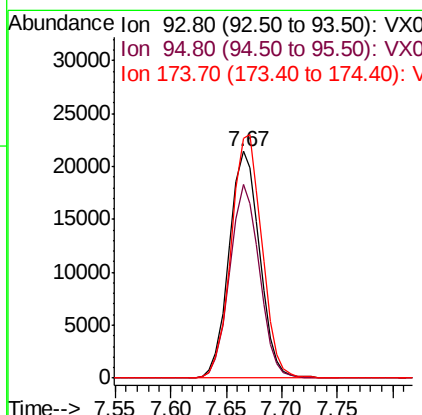
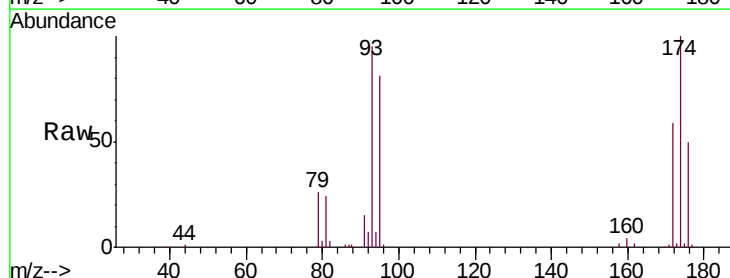
Manual Integrations
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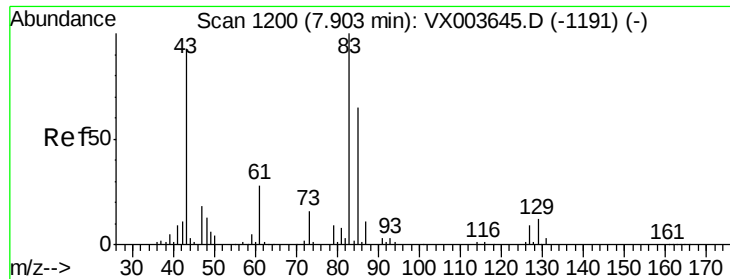
MMDadoda
 7/27/2018 5:41:25 PM



#46
 Dibromomethane
 Concen: 49.75 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003711.D
 Acq: 27 Jul 2018 10:53

Tgt Ion: 93 Resp: 40795
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.0 100.6
 174 107.5 89.6 134.4





#47

Bromodichloromethane

Concen: 49.88 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

Instrument :

MSVOA_X

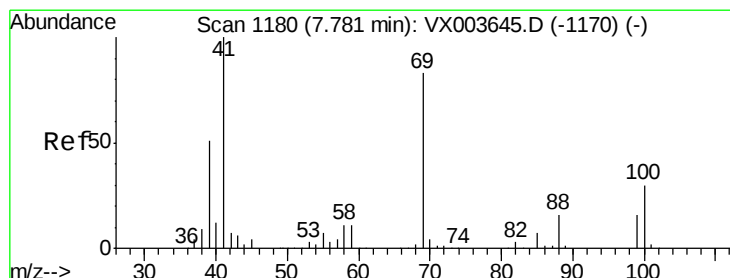
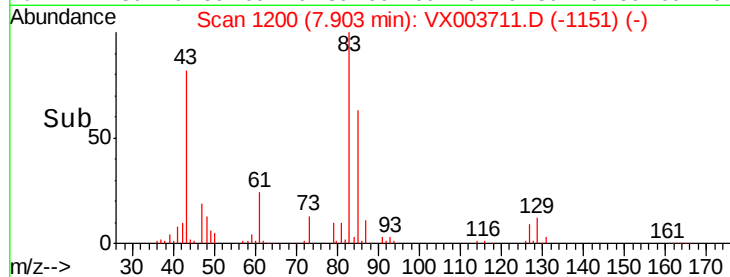
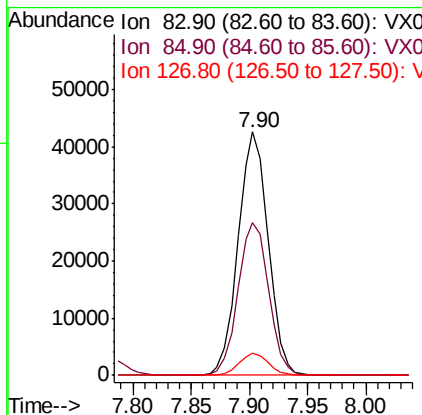
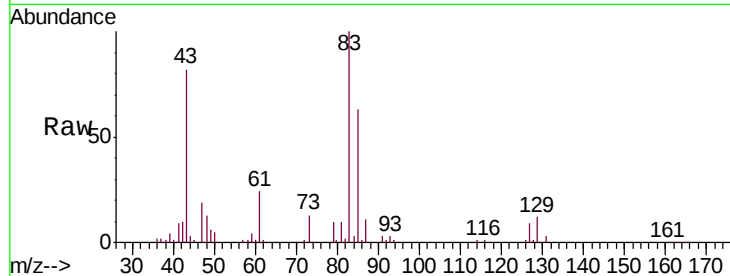
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	76686
Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.8	77.6
127	9.1	7.0	10.6

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 50.25 ug/l

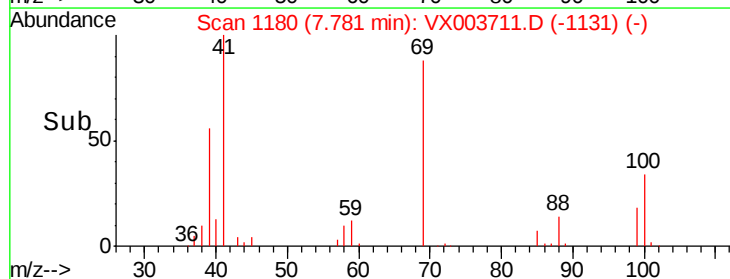
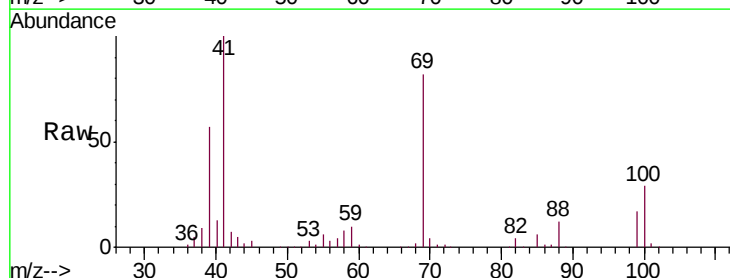
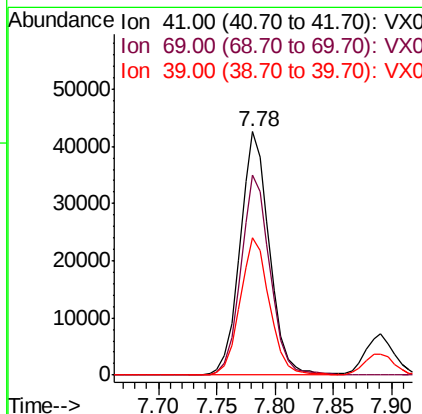
RT: 7.78 min Scan# 1180

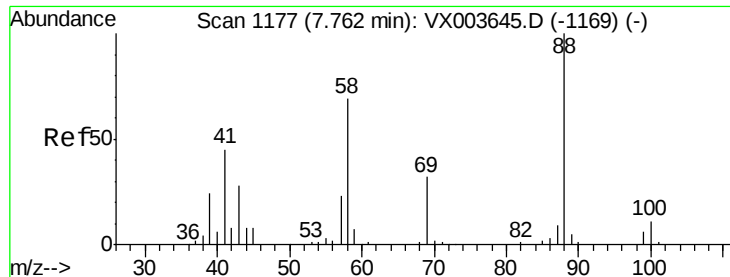
Delta R.T. 0.00 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

Tgt Ion:	41	Resp:	74636
Ion	Ratio	Lower	Upper
41	100		
69	81.7	66.9	100.3
39	56.6	41.2	61.8





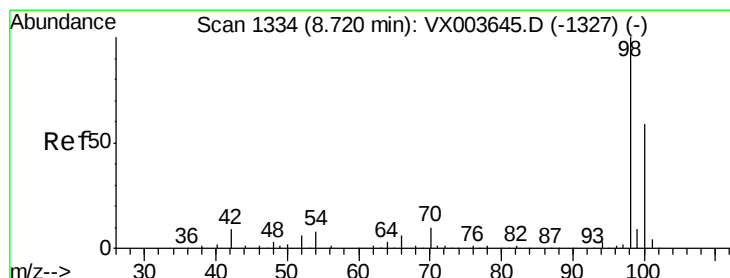
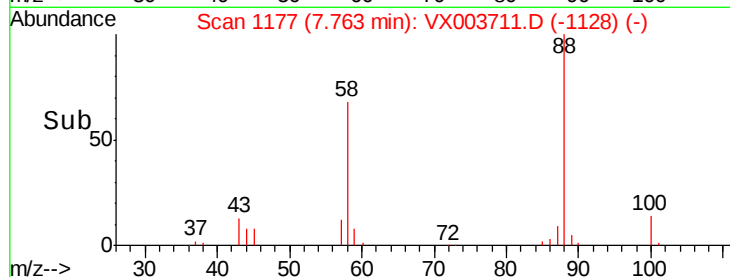
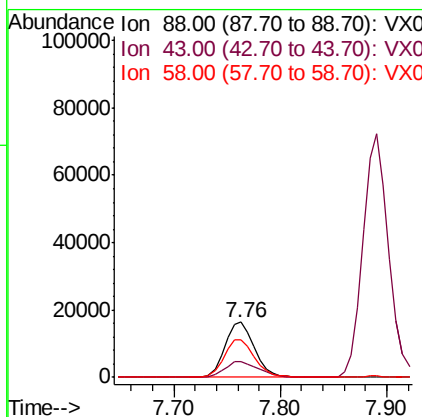
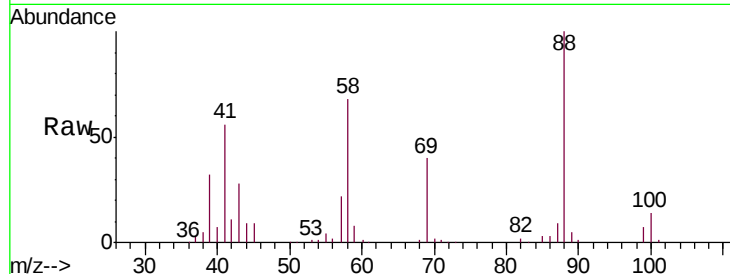
#49
1,4-Dioxane
Concen: 950.68 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	25.8	38.6
58	71.5	58.3	87.5

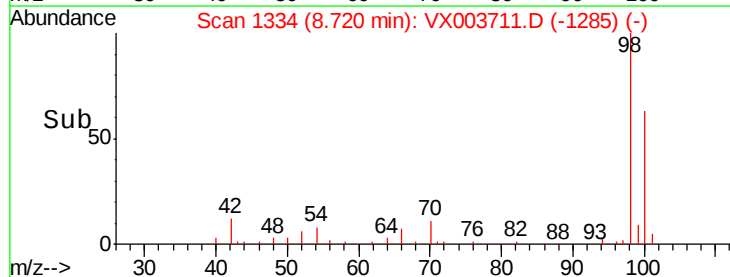
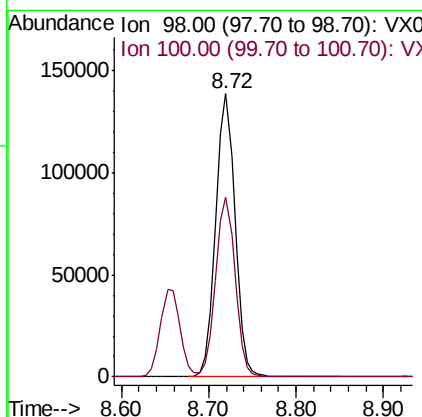
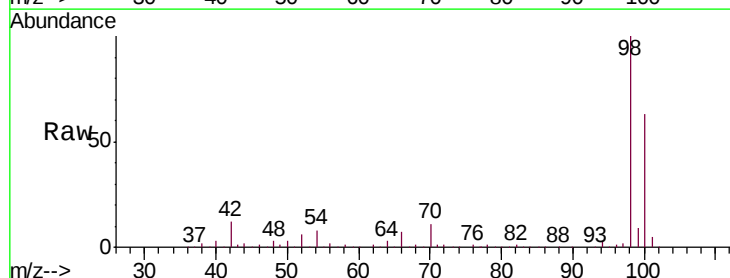
Manual Integrations
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#50
Toluene-d8
Concen: 47.71 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 246.32 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 486475

Ion Ratio Lower Upper

43 100

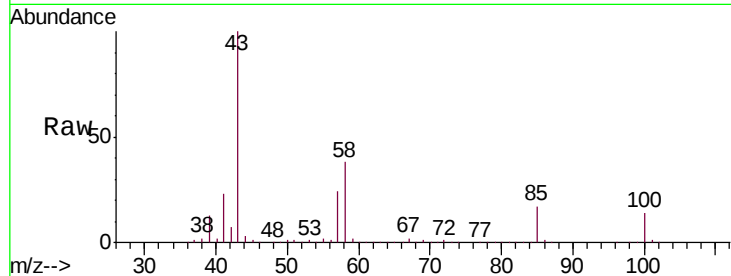
58 38.2 31.5 47.3

Manual Integrations

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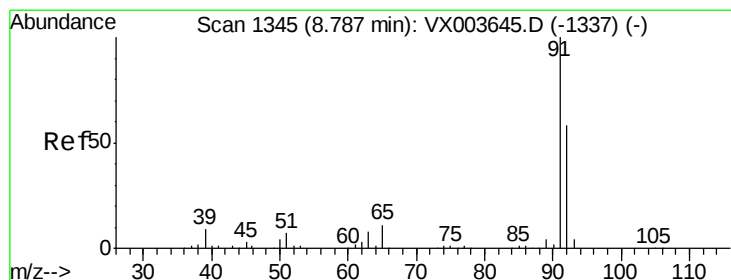
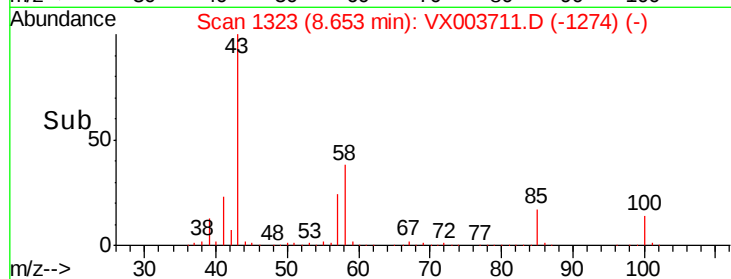
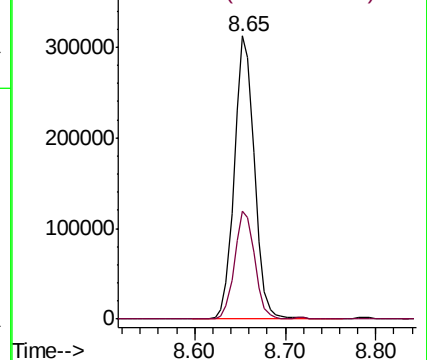
MMDadoda

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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: 47.87 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003711.D

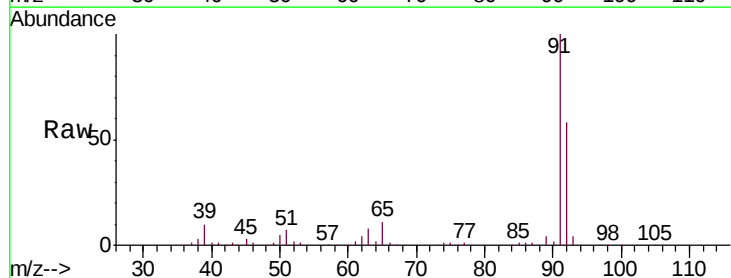
Acq: 27 Jul 2018 10:53

Tgt Ion: 92 Resp: 146939

Ion Ratio Lower Upper

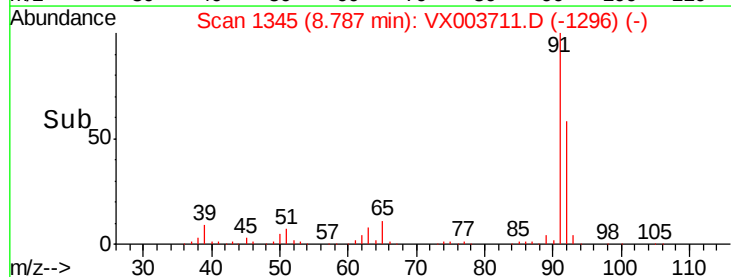
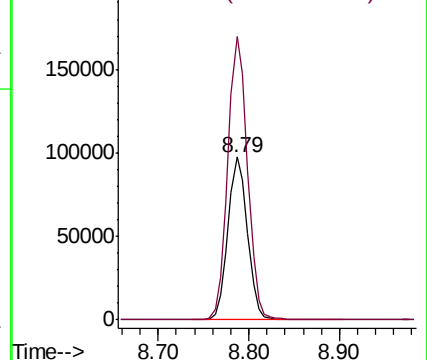
92 100

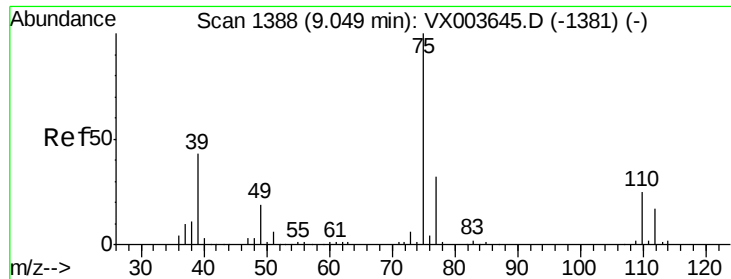
91 175.2 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





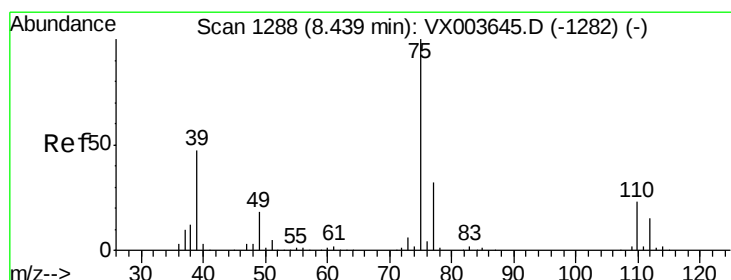
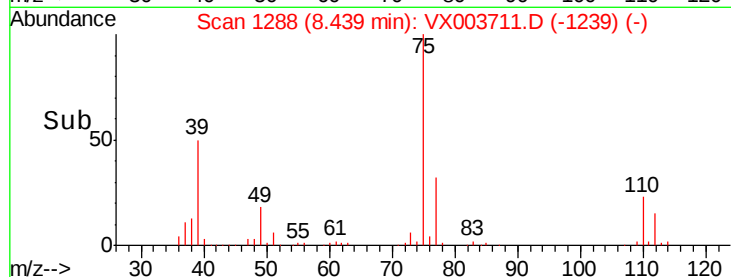
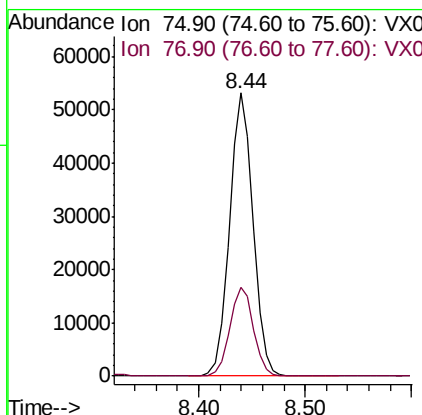
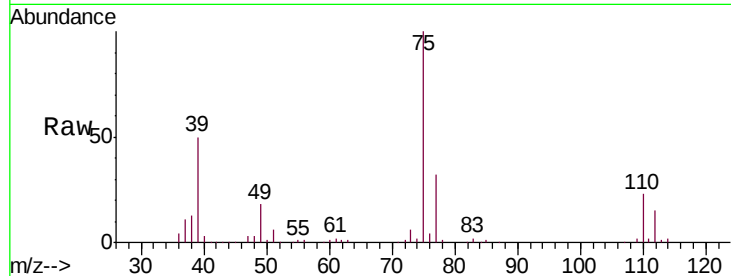
#53
t-1,3-Dichloropropene
Concen: 43.81 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 82060
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8

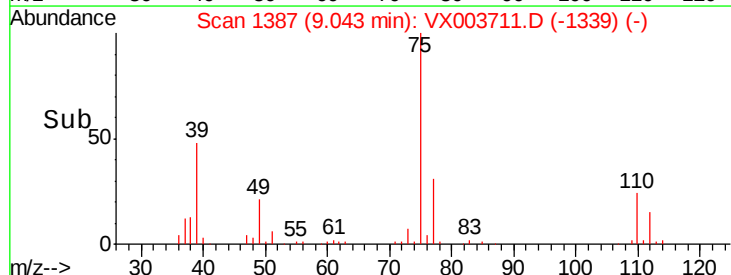
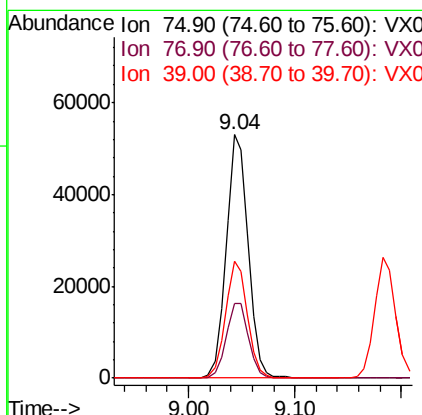
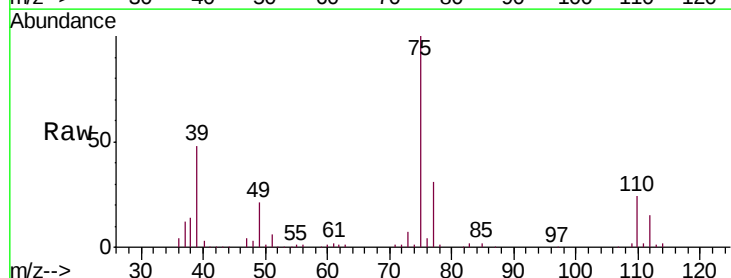
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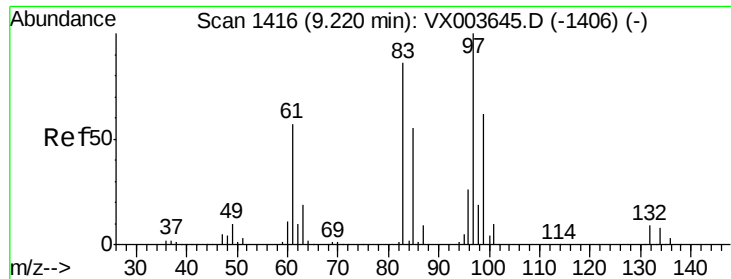
MMDadoda
7/27/2018 5:41:25 PM



#54
cis-1,3-Dichloropropene
Concen: 44.72 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Tgt Ion: 75 Resp: 76115
Ion Ratio Lower Upper
75 100
77 30.7 25.8 38.6
39 48.2 34.2 51.4





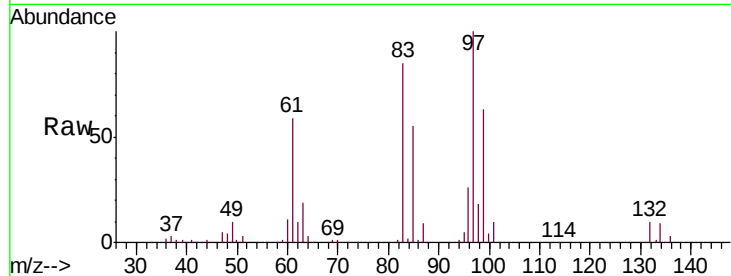
#55
 1,1,2-Trichloroethane
 Concen: 55.90 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003711.D
 Acq: 27 Jul 2018 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	85.2	68.7	103.1	
85	54.9	43.7	65.5	
99	63.2	49.6	74.4	

Manual Integrations
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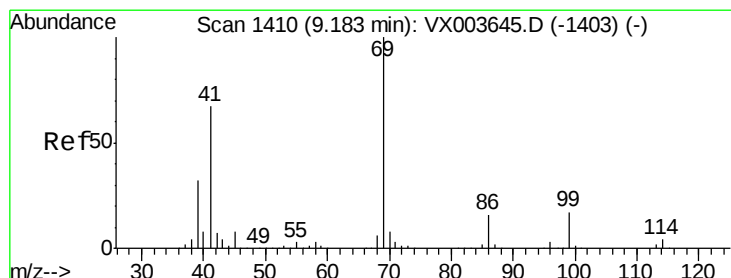
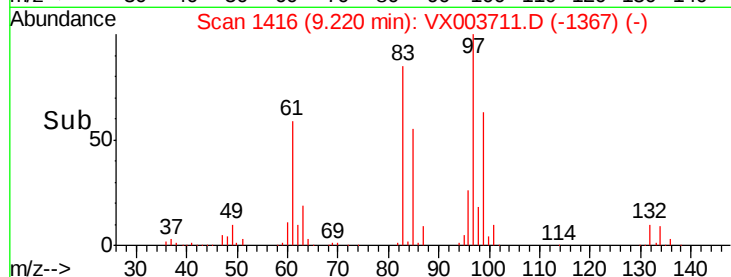
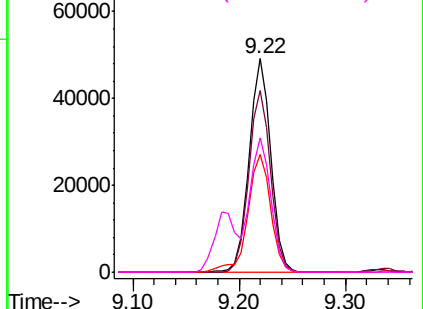
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

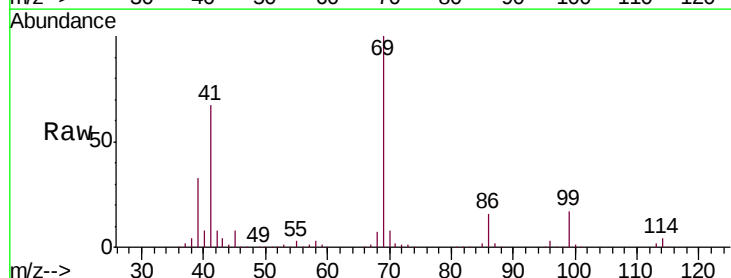
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 58.92 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003711.D
 Acq: 27 Jul 2018 10:53

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	67.1	53.8	80.6	
39	32.9	25.8	38.8	

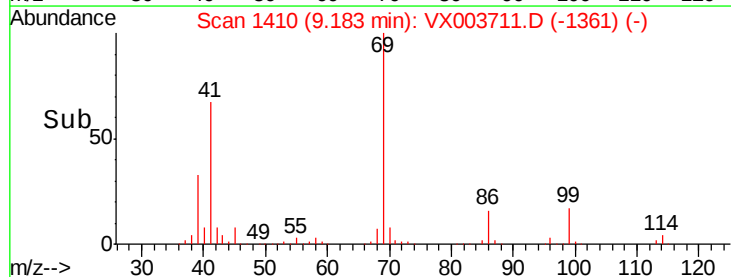
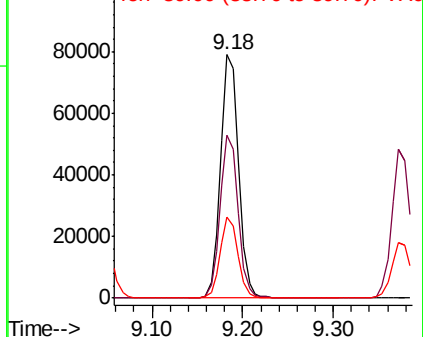


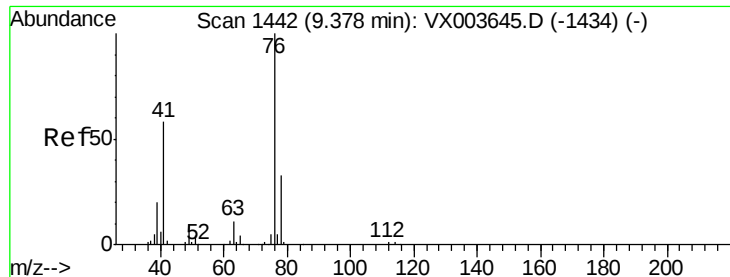
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 52.38 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 110343

Ion Ratio Lower Upper

76 100

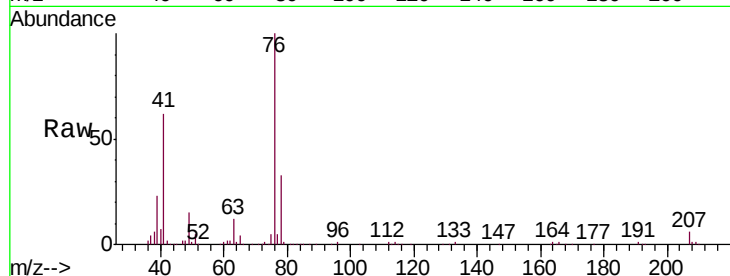
78 32.4 25.6 38.4

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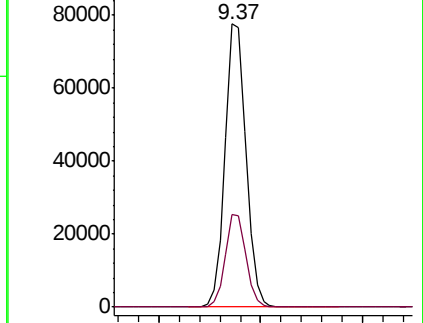
MMDadoda

7/27/2018 5:41:25 PM

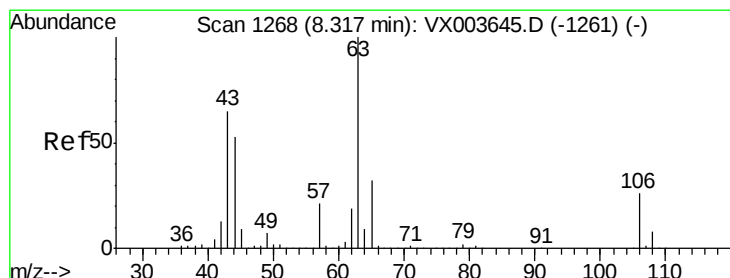
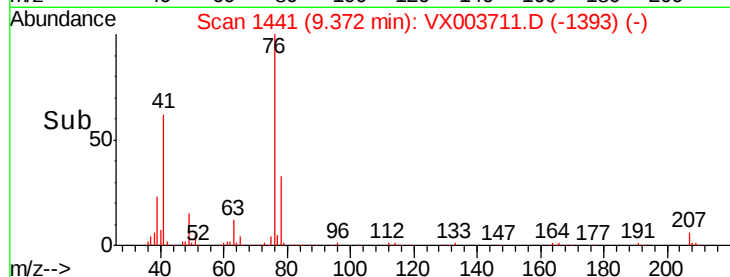


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 255.78 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003711.D

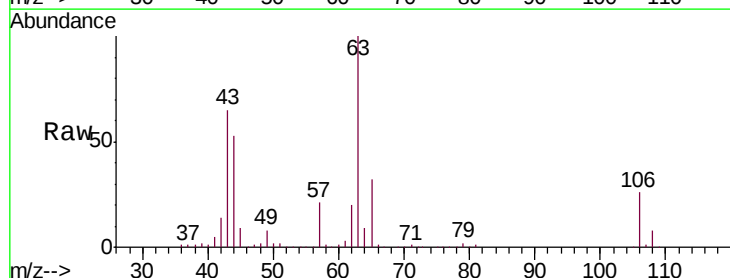
Acq: 27 Jul 2018 10:53

Tgt Ion: 63 Resp: 239980

Ion Ratio Lower Upper

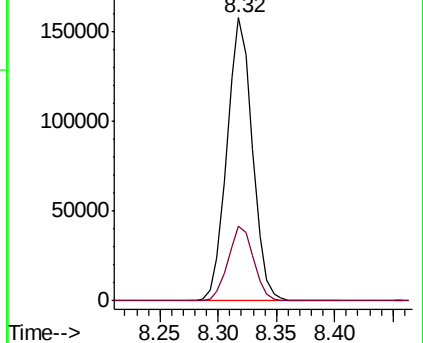
63 100

106 26.5 21.5 32.3

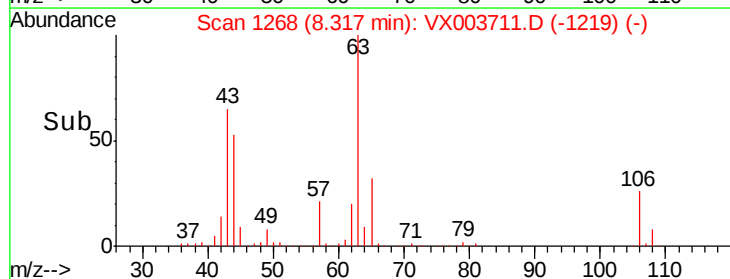


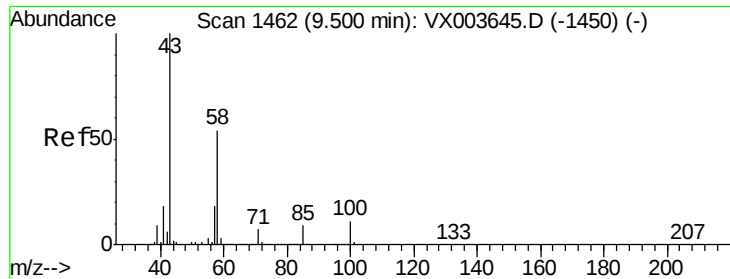
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V



Time-->





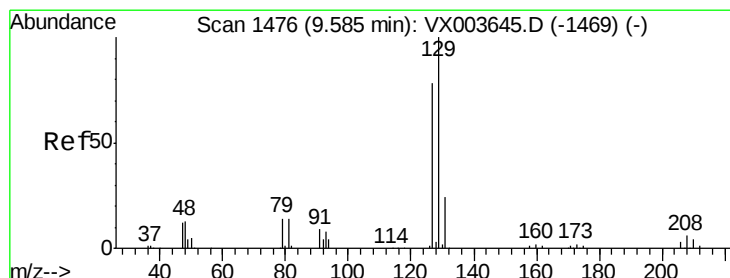
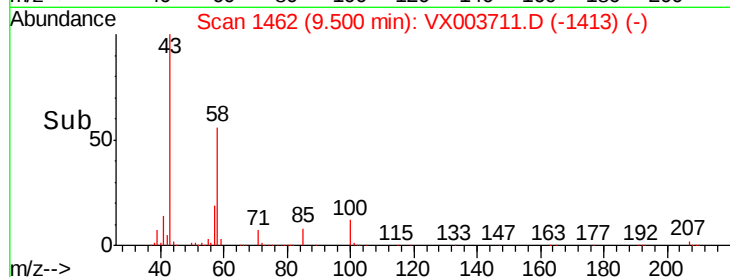
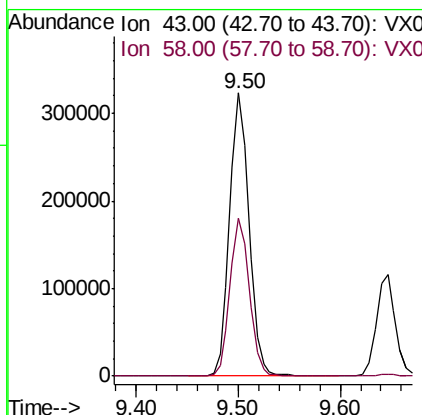
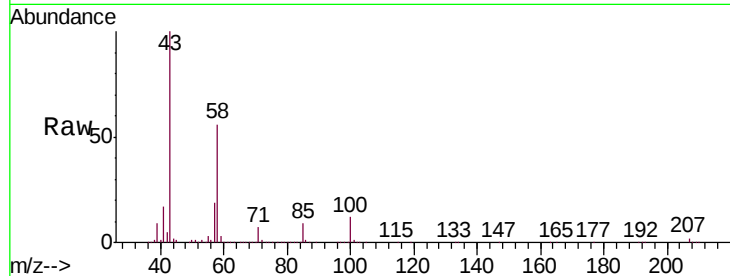
#59
2-Hexanone
Concen: 280.43 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 424852
Ion Ratio Lower Upper
43 100
58 55.8 27.3 81.9

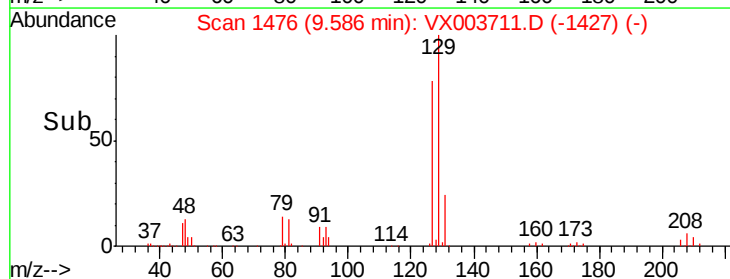
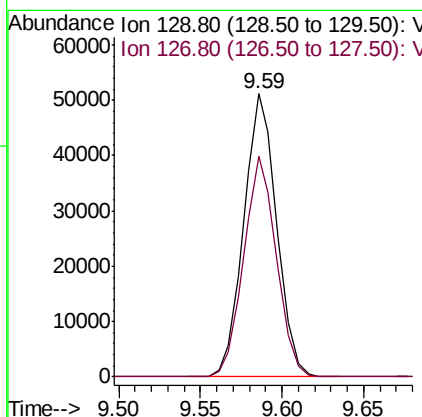
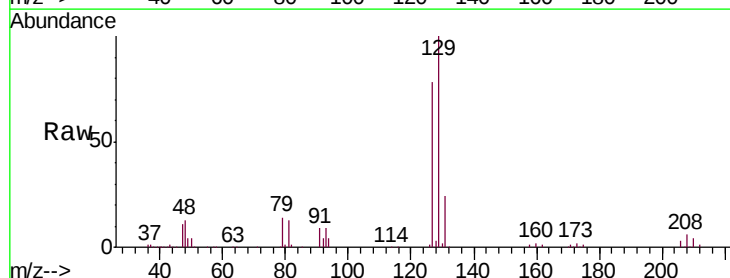
Manual Integrations
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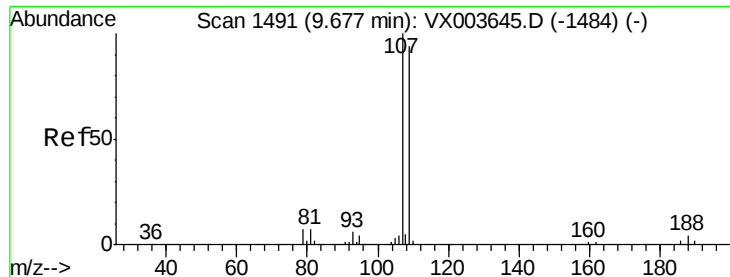
MMDadoda
7/27/2018 5:41:25 PM



#60
Dibromochloromethane
Concen: 60.15 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Tgt Ion: 129 Resp: 71587
Ion Ratio Lower Upper
129 100
127 77.5 38.7 116.1





#61

1,2-Dibromoethane

Concen: 57.49 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 75113

Ion Ratio Lower Upper

107 100

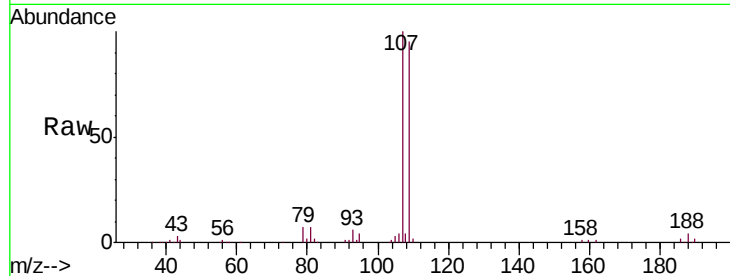
109 93.8 75.4 113.2

Manual Integrations

APPROVED

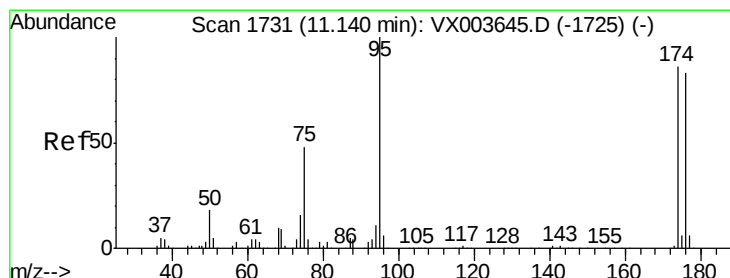
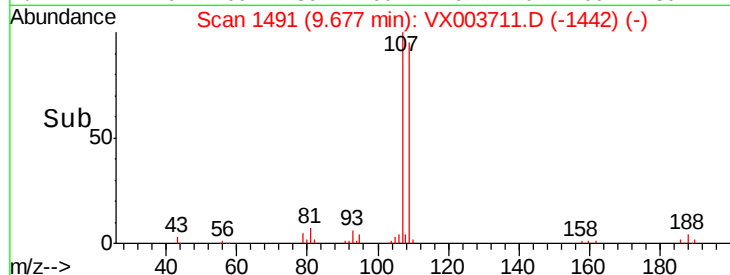
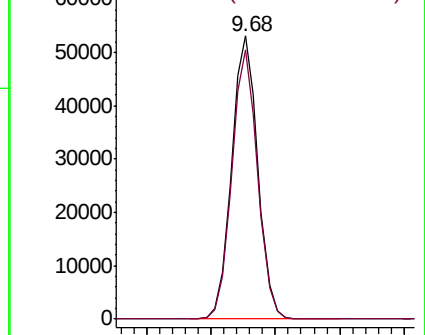
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.55 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

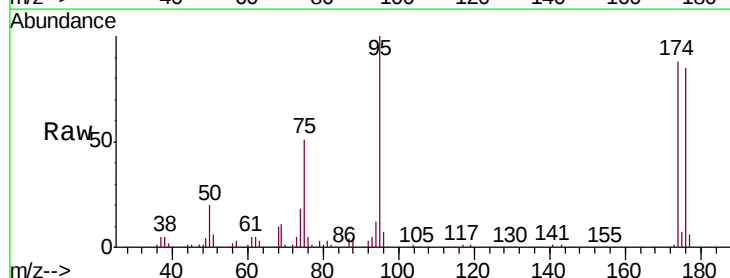
Tgt Ion: 95 Resp: 77239

Ion Ratio Lower Upper

95 100

174 88.2 0.0 179.0

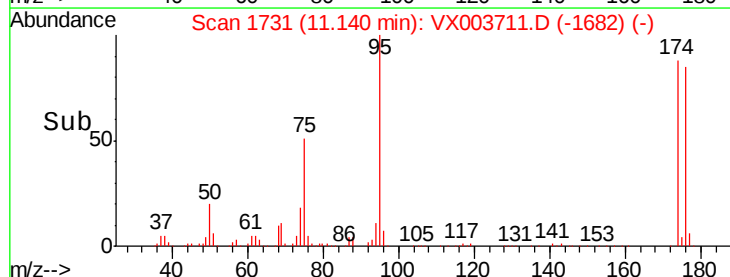
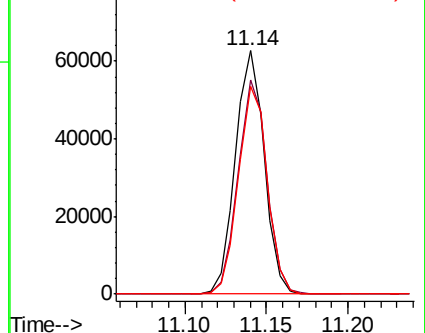
176 85.8 0.0 173.0

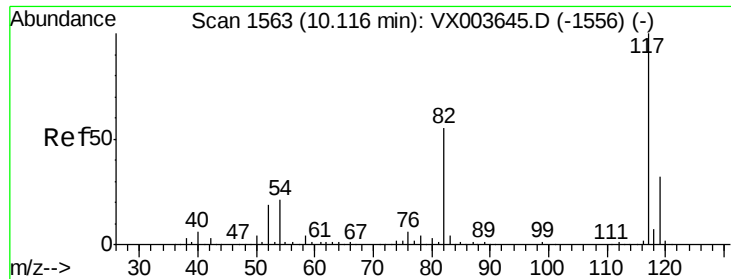


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





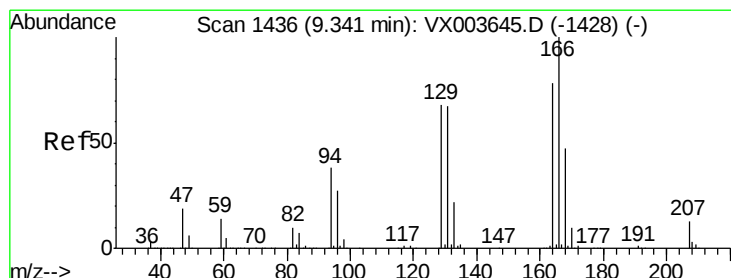
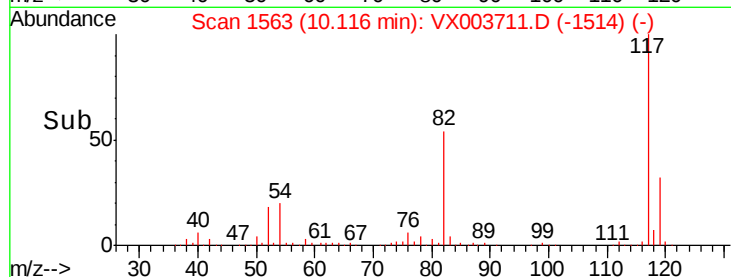
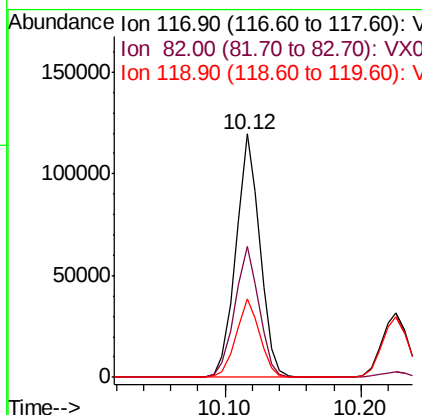
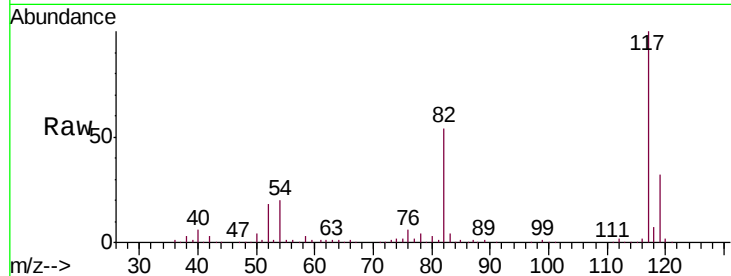
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	44.3	66.5
119	32.2	25.6	38.4

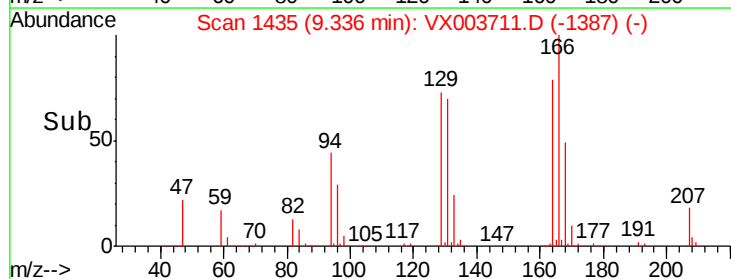
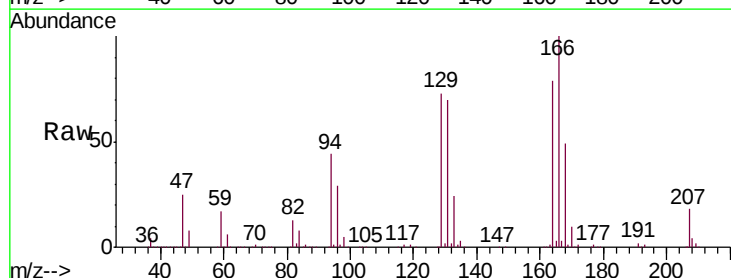
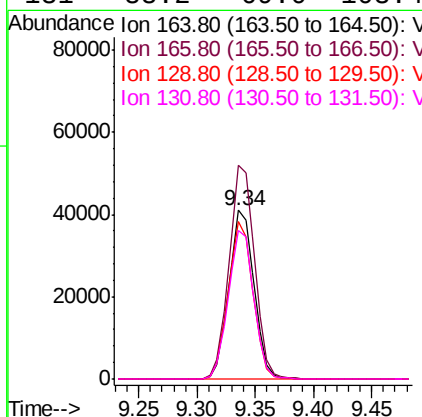
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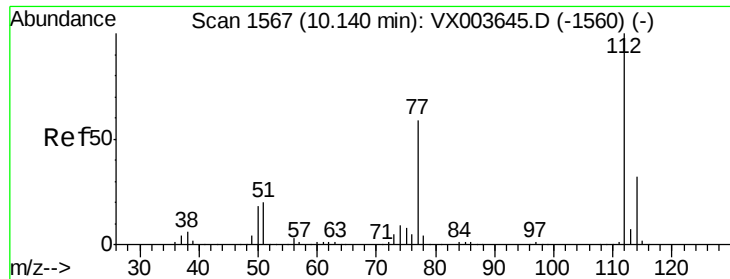
MMDadoda
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#64
Tetrachloroethene
Concen: 46.21 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	102.4	153.6
129	93.1	69.6	104.4
131	88.2	69.0	103.4





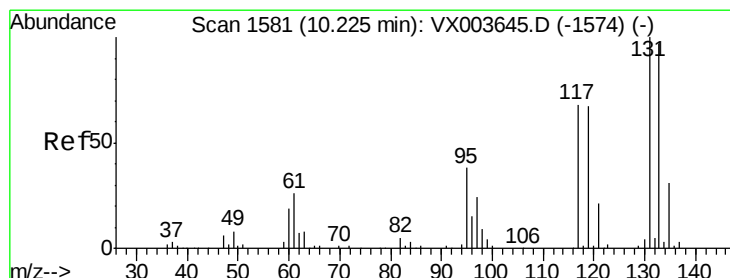
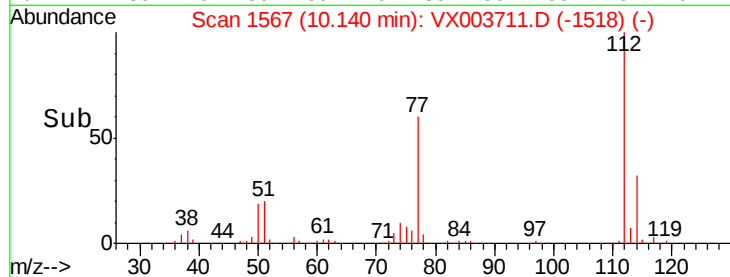
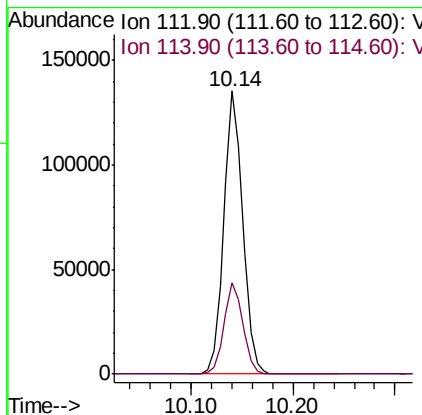
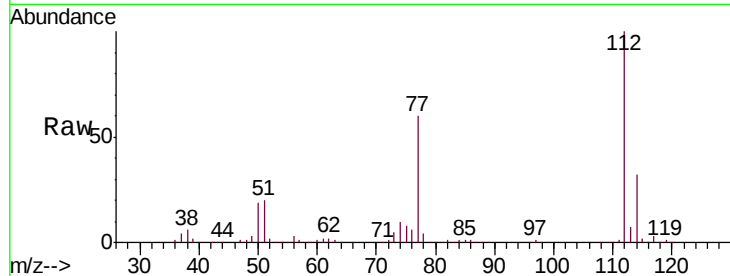
#65
Chlorobenzene
Concen: 47.48 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 174858
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.8

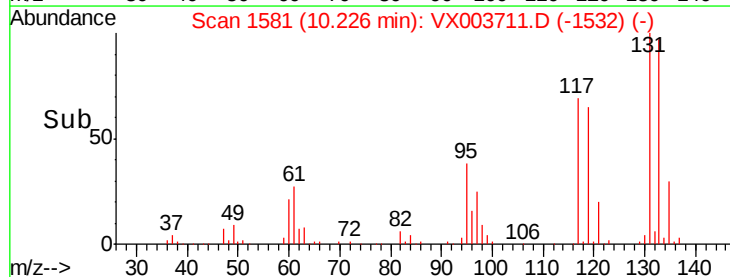
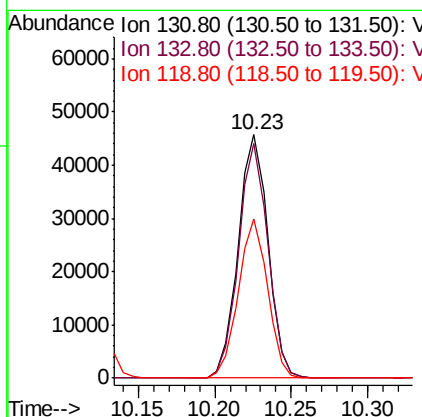
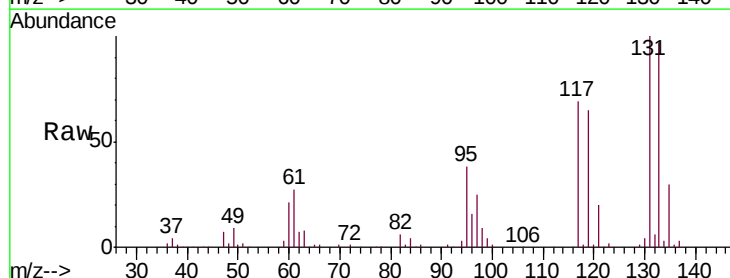
Manual Integrations
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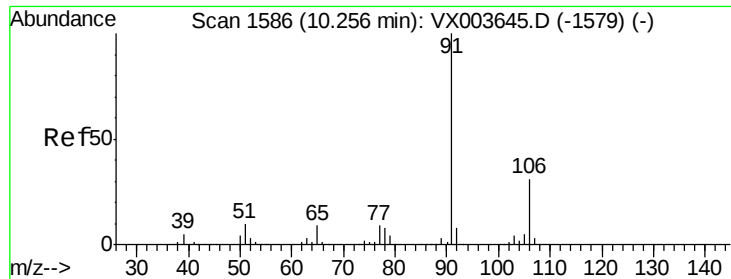
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.29 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Tgt Ion:131 Resp: 61834
Ion Ratio Lower Upper
131 100
133 95.1 47.6 142.8
119 64.2 32.8 98.4





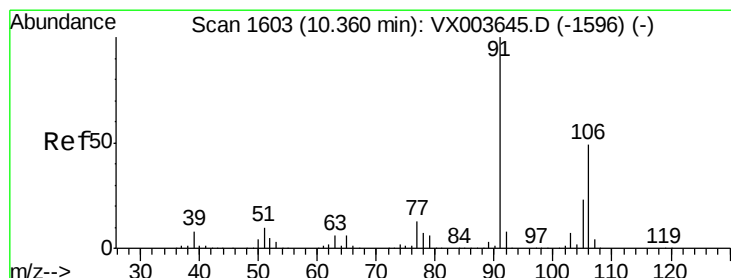
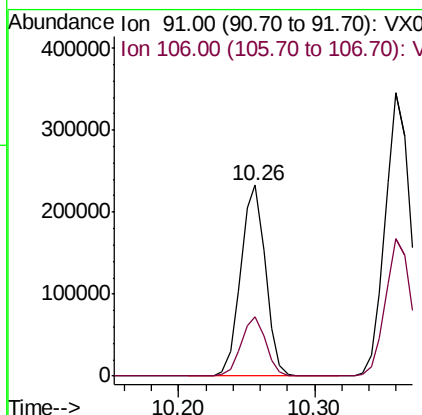
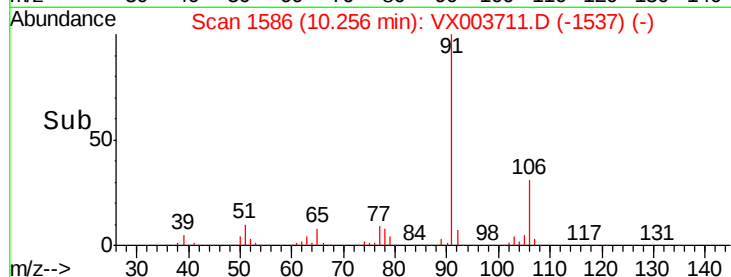
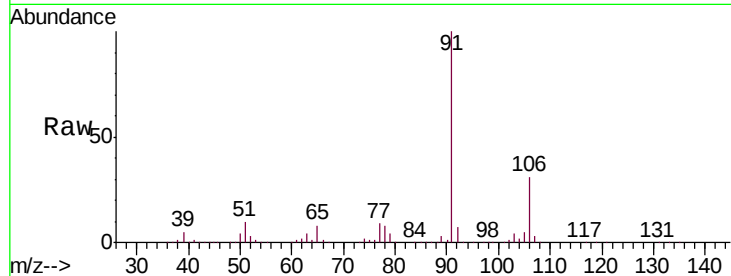
#67
Ethyl Benzene
Concen: 47.98 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 295835
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.6

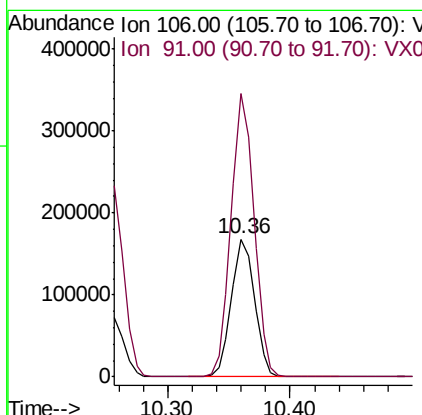
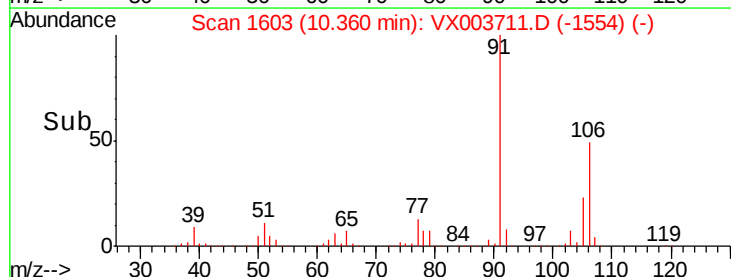
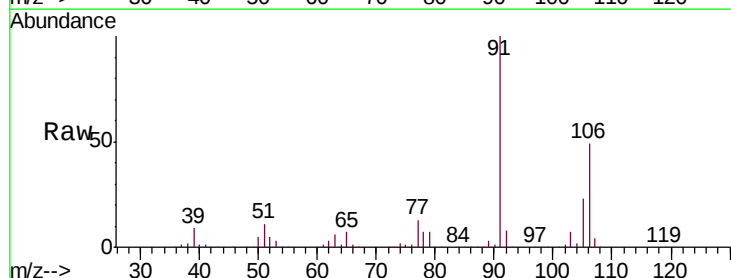
Manual Integrations
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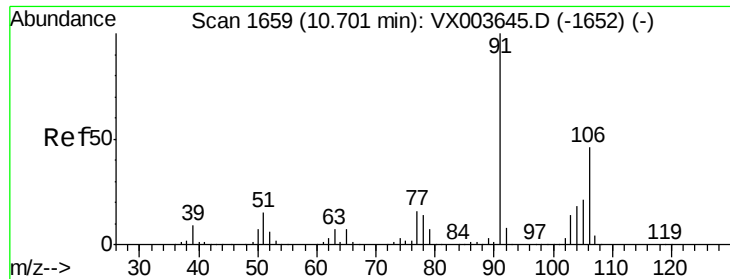
MMDadoda
7/27/2018 5:41:25 PM



#68
m/p-Xylenes
Concen: 93.35 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Tgt Ion: 106 Resp: 220792
Ion Ratio Lower Upper
106 100
91 203.6 162.2 243.2





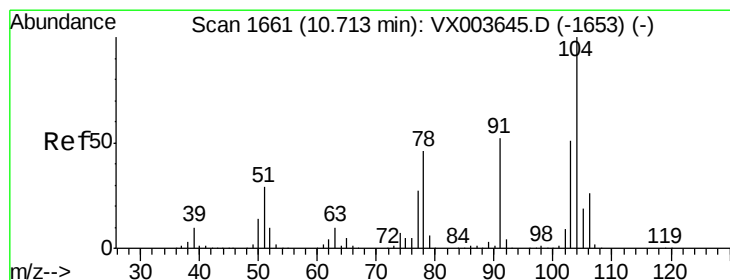
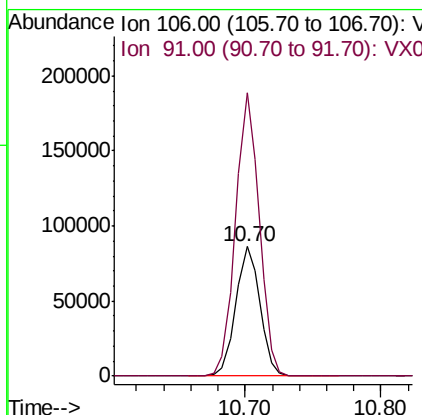
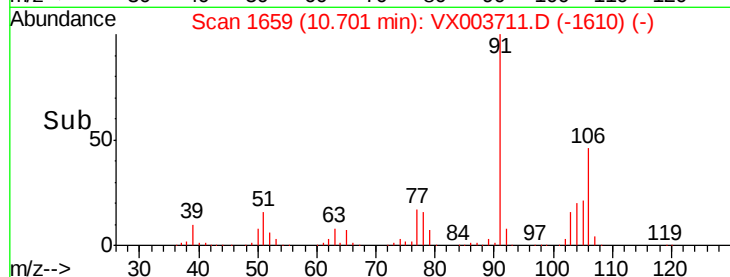
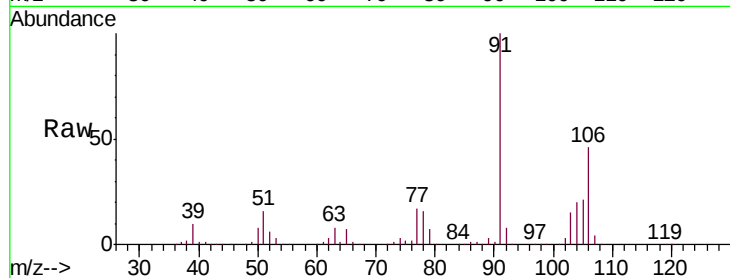
#69
o-Xylene
Concen: 46.72 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 106369
Ion Ratio Lower Upper
106 100
91 215.2 107.1 321.1

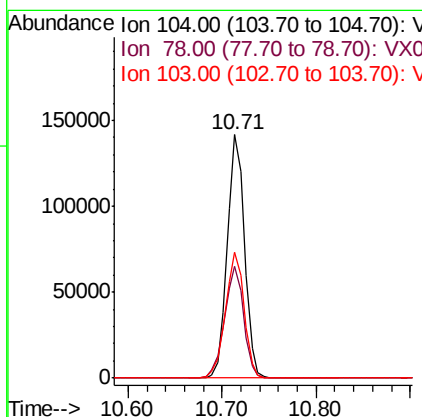
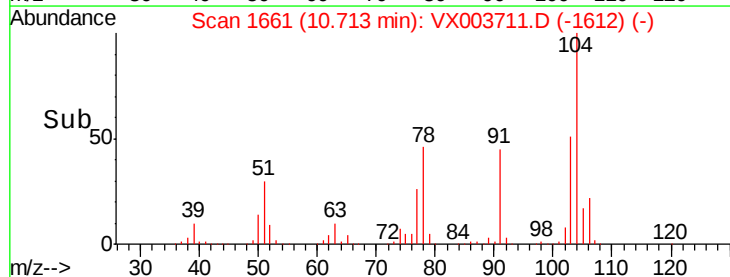
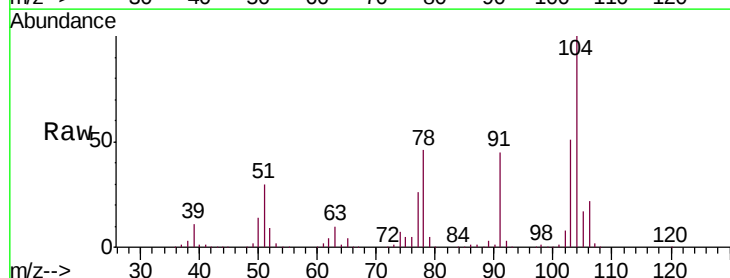
Manual Integrations
APPROVED

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#70
Styrene
Concen: 47.28 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Tgt Ion:104 Resp: 180855
Ion Ratio Lower Upper
104 100
78 50.4 39.2 58.8
103 55.7 44.2 66.4





#71

Bromoform

Concen: 45.86 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 46431

Ion Ratio Lower Upper

173 100

175 48.5 24.1 72.2

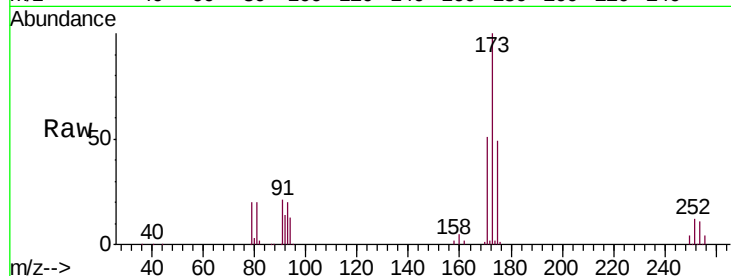
254 0.2 0.0 0.0#

Manual Integrations

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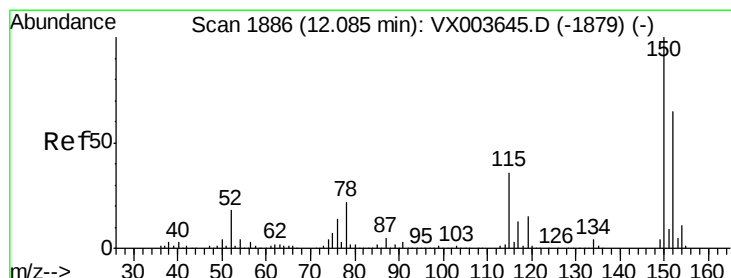
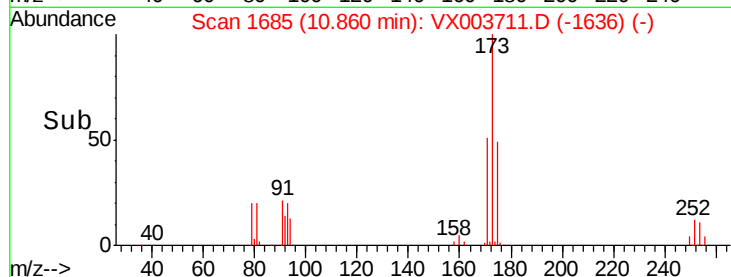
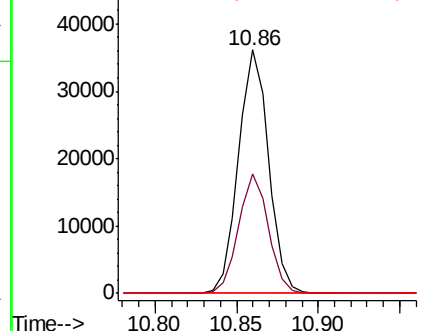
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

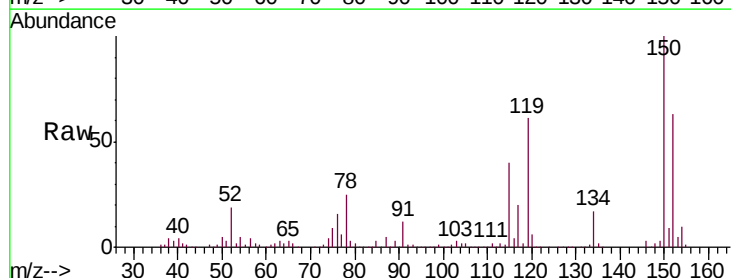
Tgt Ion:152 Resp: 95004

Ion Ratio Lower Upper

152 100

115 76.3 40.0 119.9

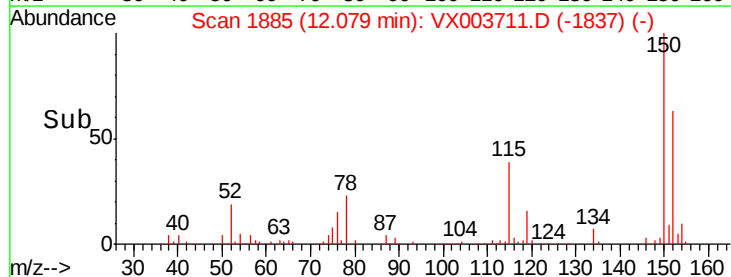
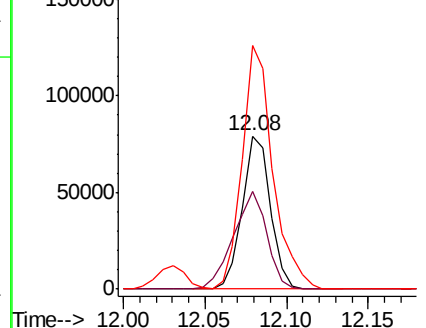
150 174.5 0.0 348.4

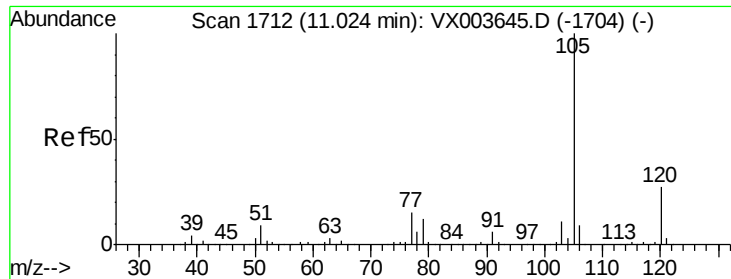


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 43.96 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 285362

Ion Ratio Lower Upper

105 100

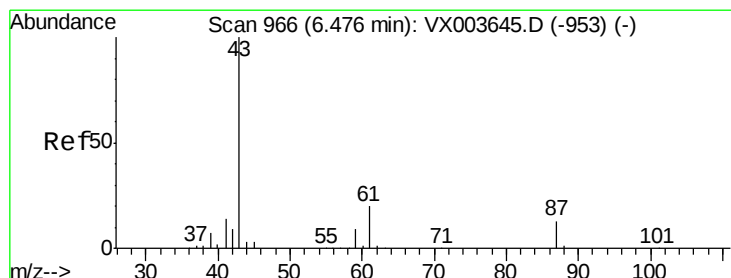
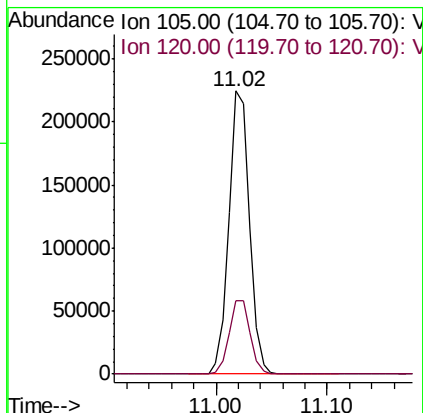
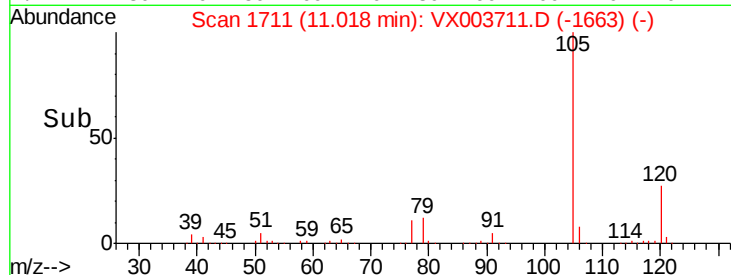
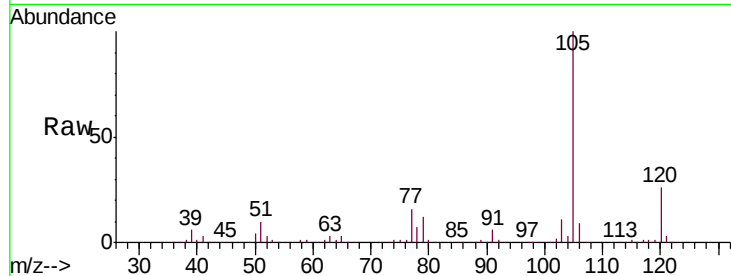
120 26.5 13.5 40.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 43.32 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

Tgt Ion: 43 Resp: 146658

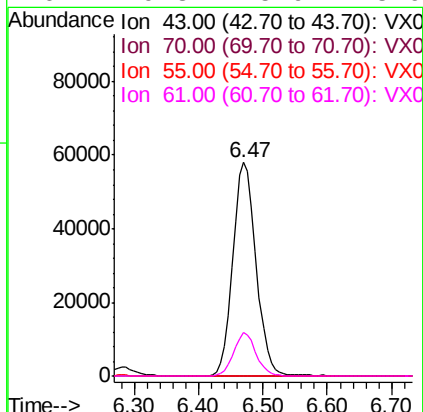
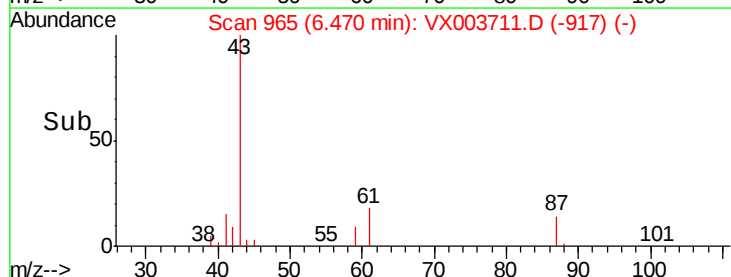
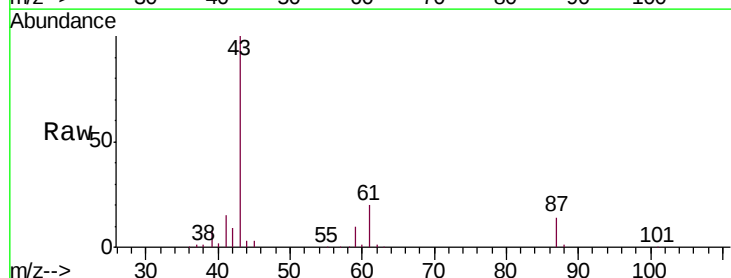
Ion Ratio Lower Upper

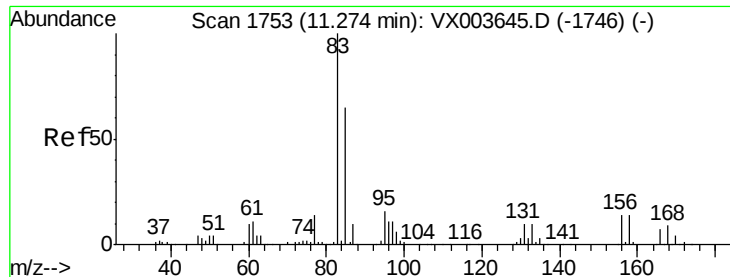
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 19.3 15.9 23.9





#75

1,1,2,2-Tetrachloroethane

Concen: 41.33 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

Instrument :

MSVOA_X

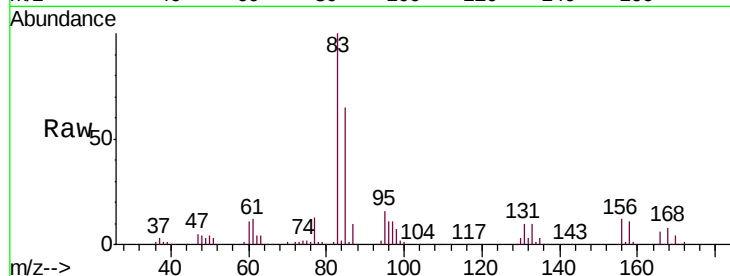
ClientSampleId :

VSTDCCC050EC

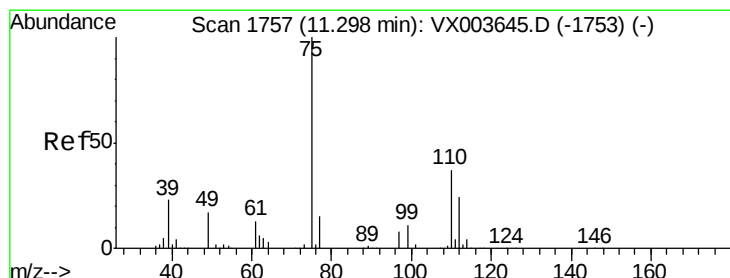
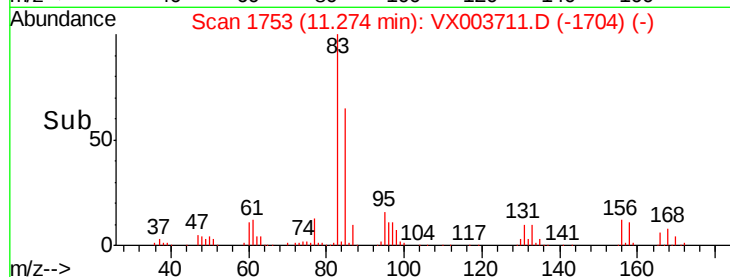
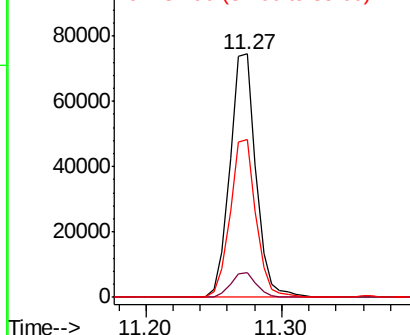
Tot Ion:	83	Resp:	99079
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.1	15.4
85	64.4	31.9	95.9

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



#76

1,2,3-Trichloropropane

Concen: 41.85 ug/l m

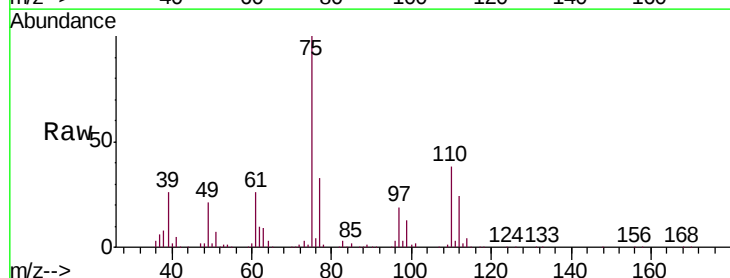
RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

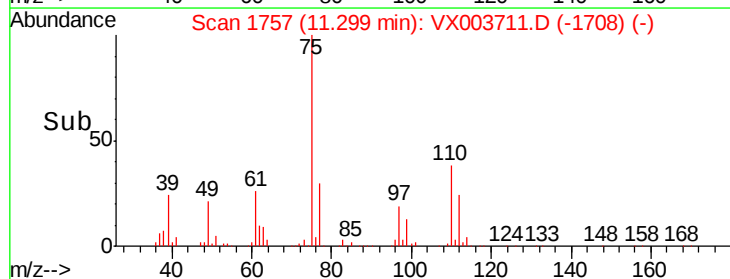
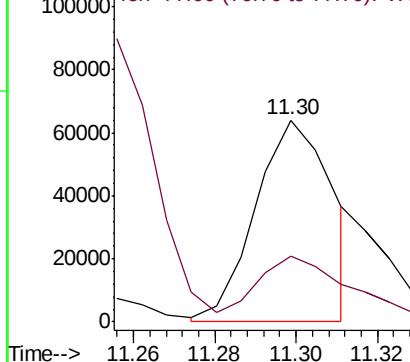
Lab File: VX003711.D

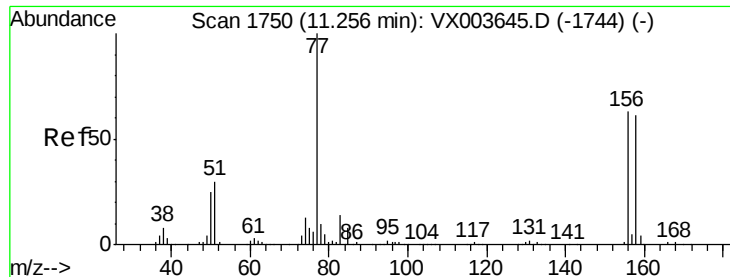
Acq: 27 Jul 2018 10:53

Tgt Ion:	75	Resp:	83403
Ion	Ratio	Lower	Upper
75	100		
77	40.8	21.6	64.6



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





#77

Bromobenzene

Concen: 41.91 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 73886

Ion Ratio Lower Upper

156 100

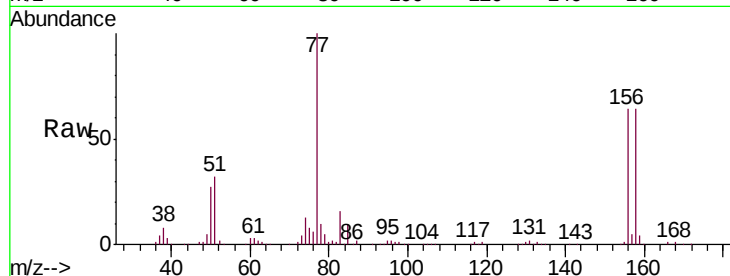
77 152.8 74.9 224.6

158 97.4 48.4 145.2

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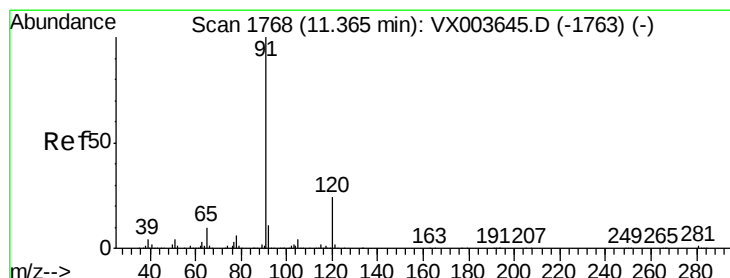
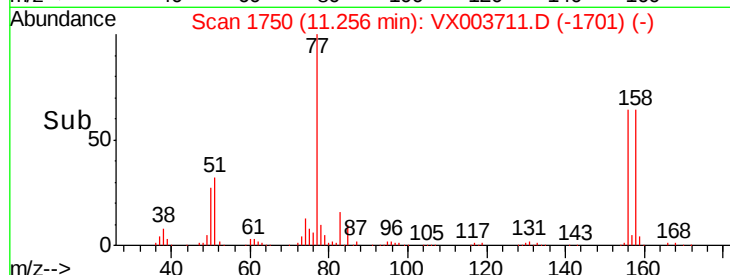
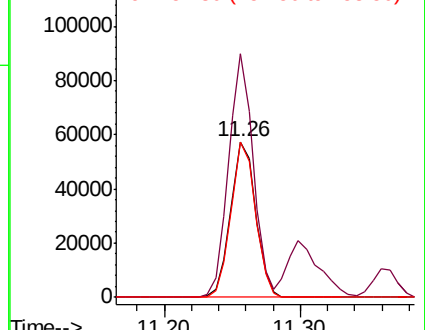
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 44.57 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003711.D

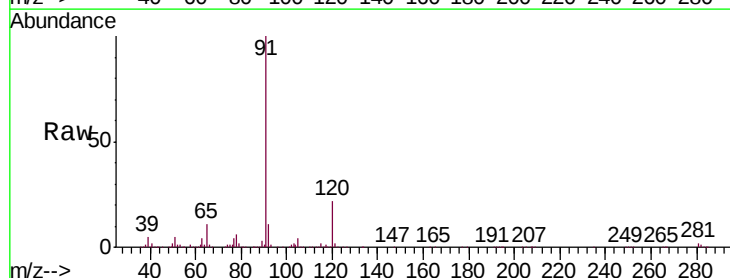
Acq: 27 Jul 2018 10:53

Tgt Ion: 91 Resp: 334057

Ion Ratio Lower Upper

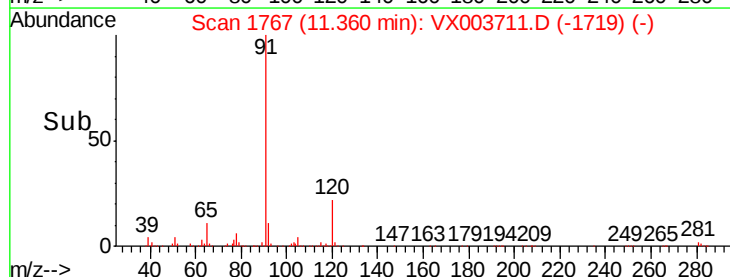
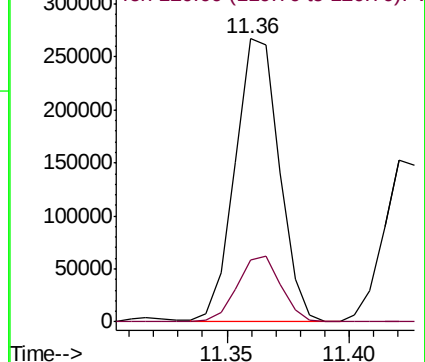
91 100

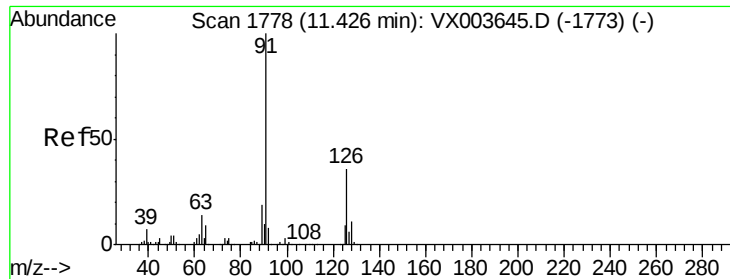
120 23.1 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 43.09 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 196288

Ion Ratio Lower Upper

91 100

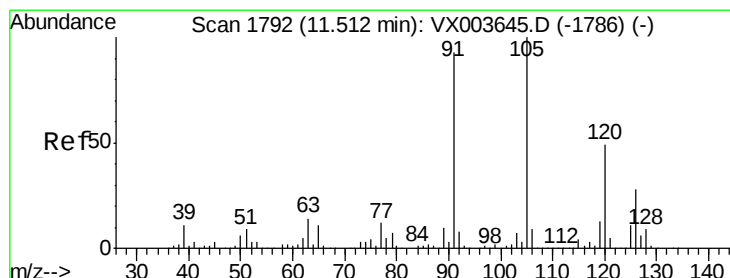
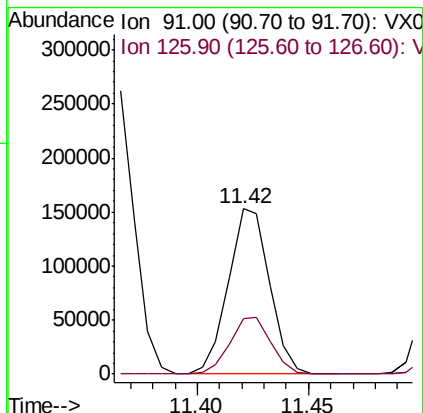
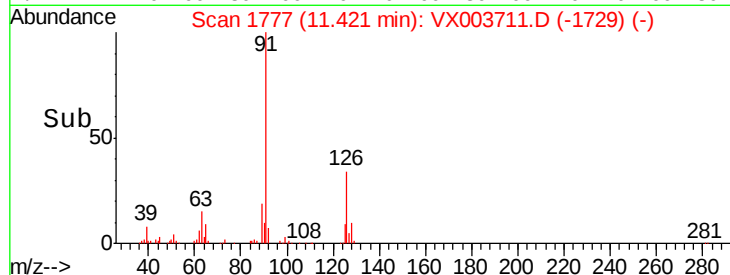
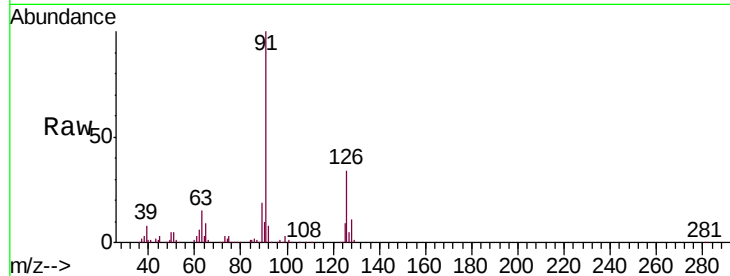
126 34.7 17.3 52.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 44.23 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003711.D

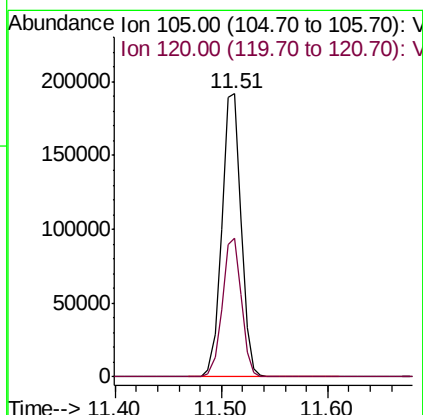
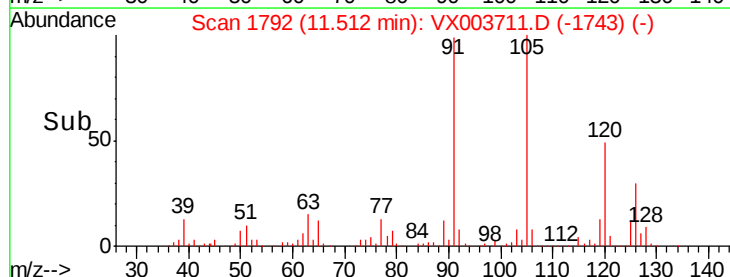
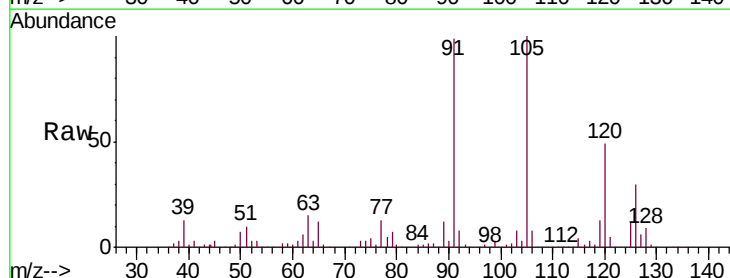
Acq: 27 Jul 2018 10:53

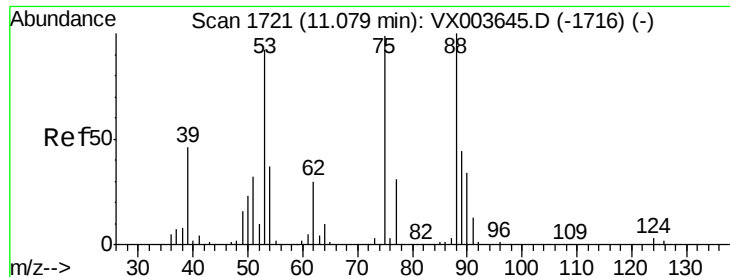
Tgt Ion: 105 Resp: 242920

Ion Ratio Lower Upper

105 100

120 48.3 24.4 73.4





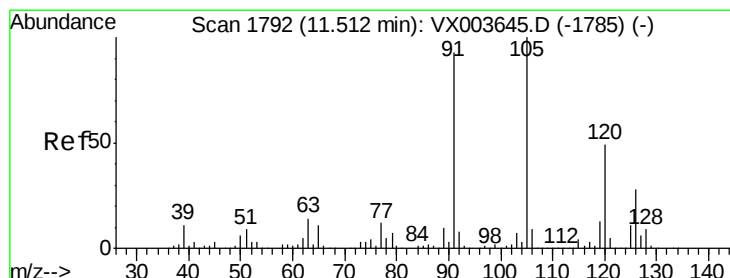
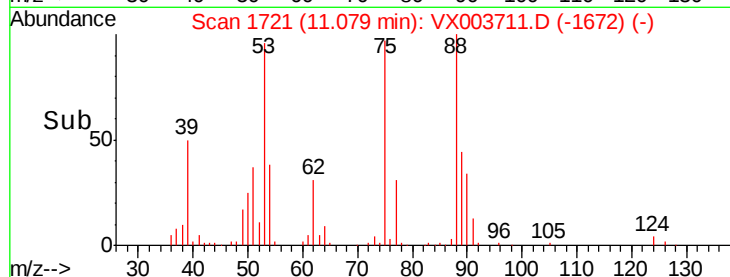
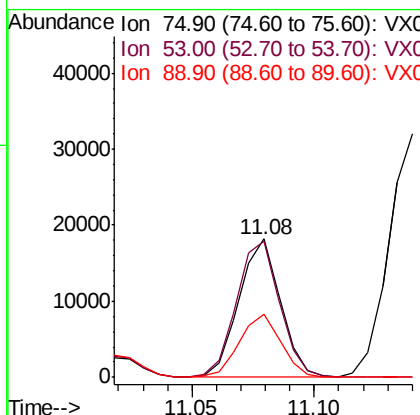
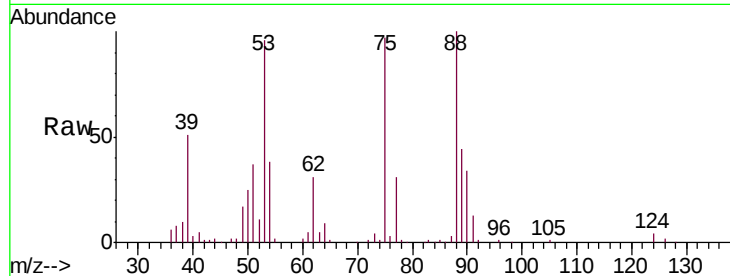
#81
trans-1,4-Dichloro-2-butene
Concen: 33.74 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 21701
Ion Ratio Lower Upper
75 100
53 101.6 77.8 116.8
89 45.1 36.6 54.8

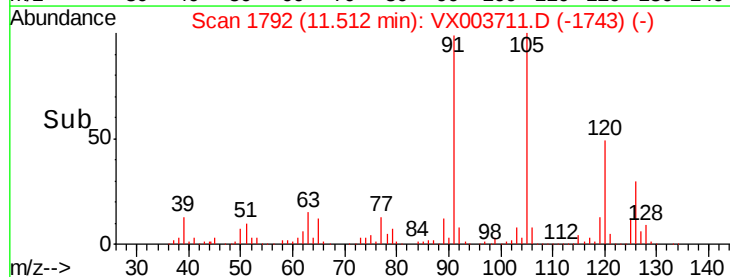
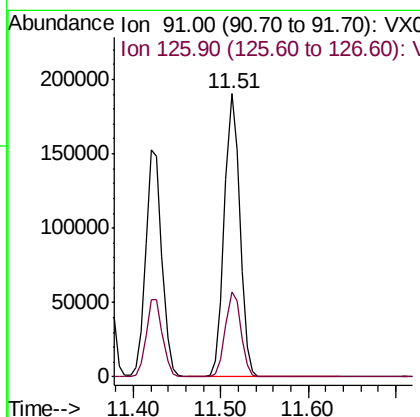
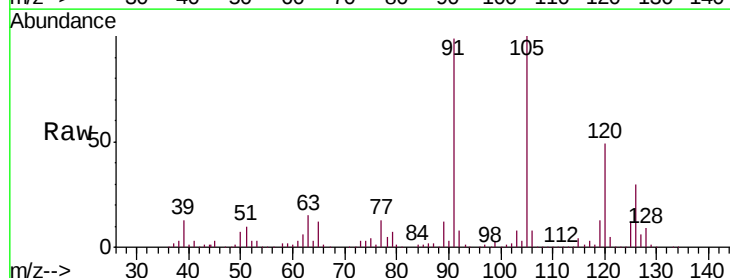
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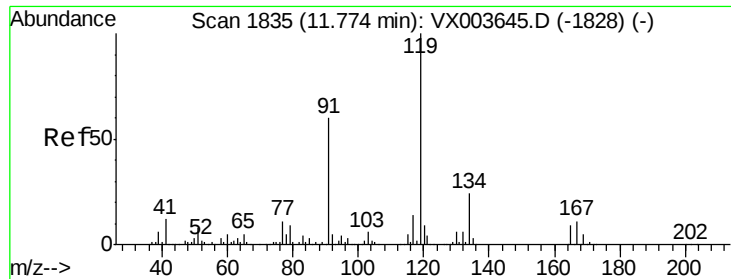
MMDadoda
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#82
4-Chlorotoluene
Concen: 43.50 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Tgt Ion: 91 Resp: 233425
Ion Ratio Lower Upper
91 100
126 30.3 15.4 46.1





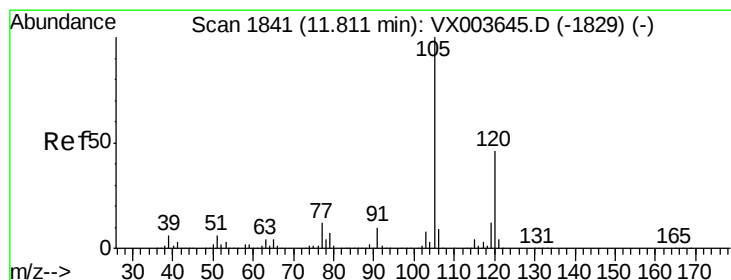
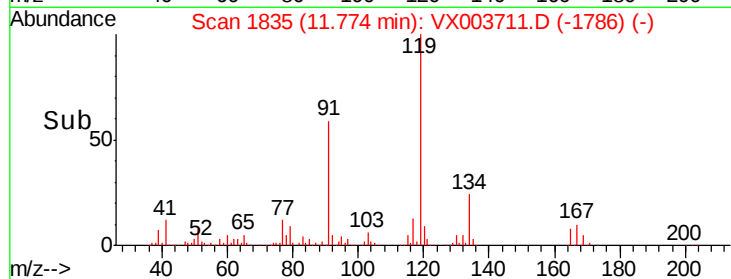
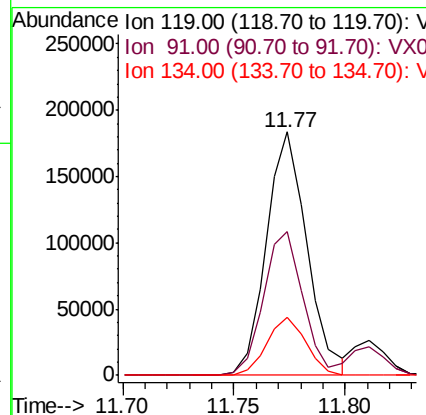
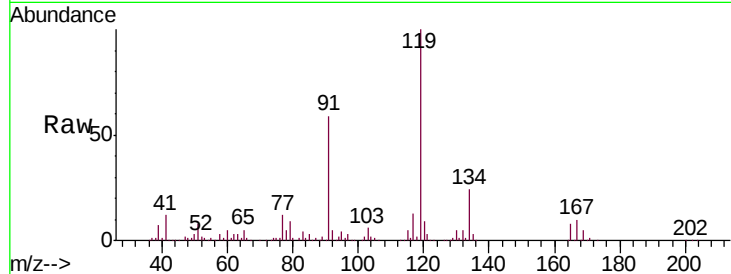
#83
 tert-Butylbenzene
 Concen: 43.21 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003711.D
 Acq: 27 Jul 2018 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	232176		
91	57.4		28.4	85.2
134	23.1		11.6	34.8

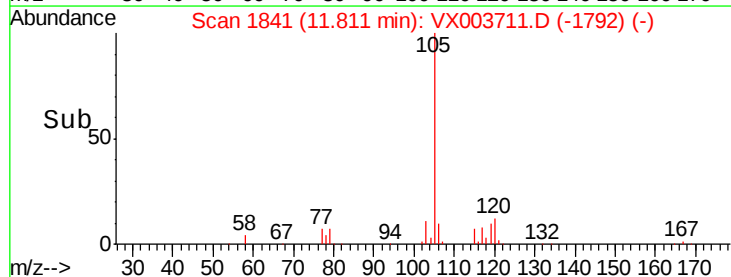
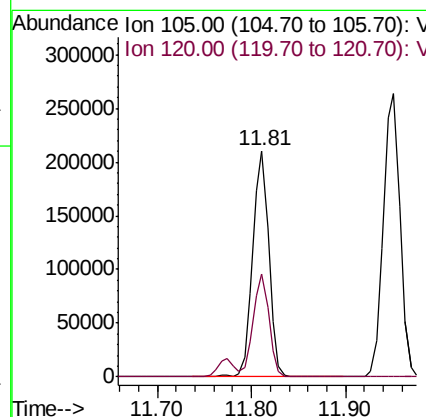
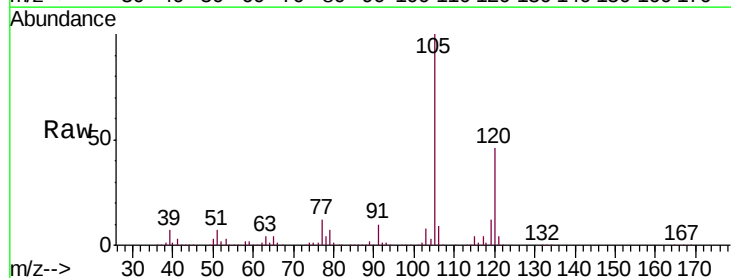
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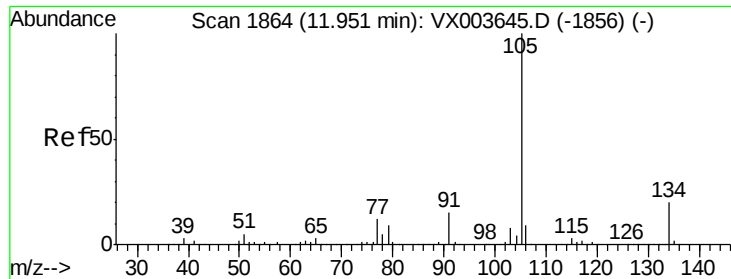
MMDadoda
 7/27/2018 5:41:25 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 44.75 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003711.D
 Acq: 27 Jul 2018 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	252562		
120	44.7		22.6	67.8





#85

sec-Butylbenzene

Concen: 50.57 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 324324

Ion Ratio Lower Upper

105 100

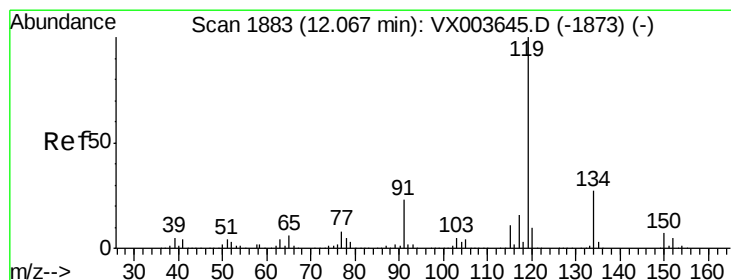
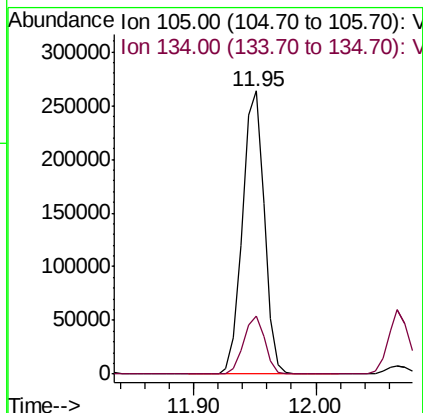
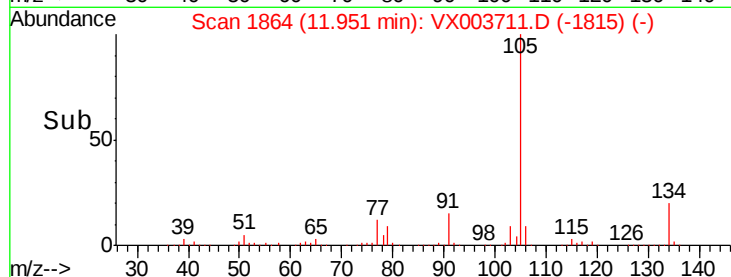
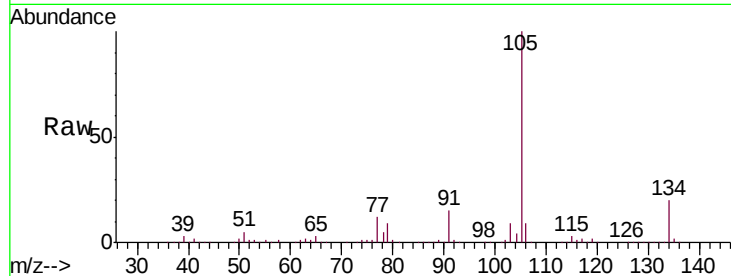
134 20.0 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 46.90 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

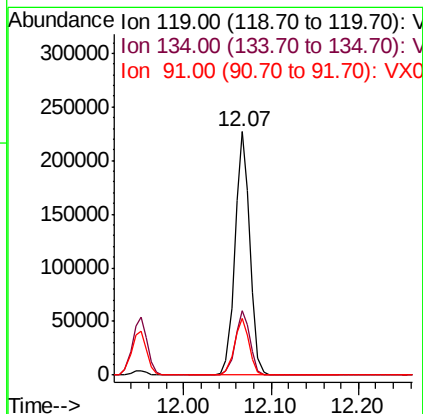
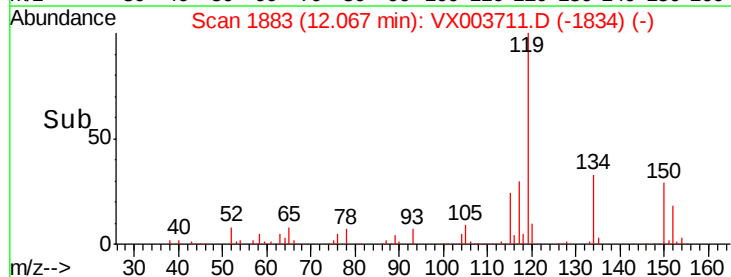
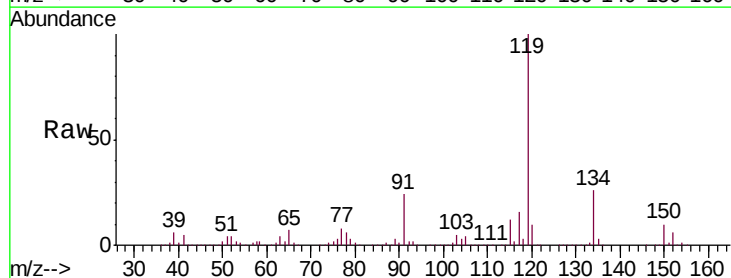
Tgt Ion:119 Resp: 269987

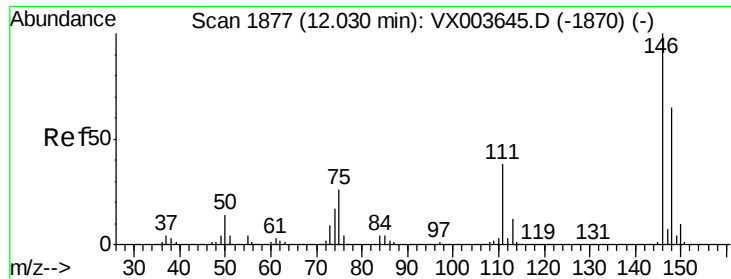
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

91 23.2 11.5 34.5





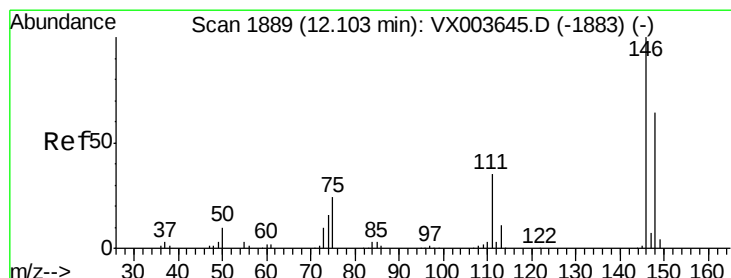
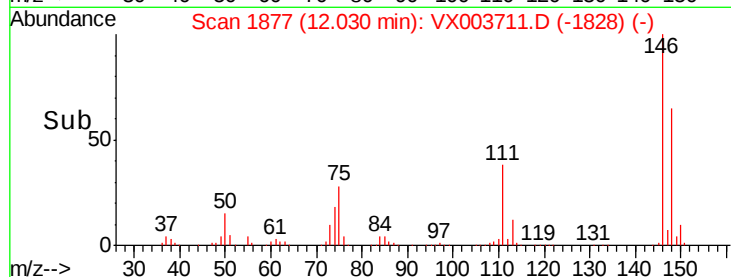
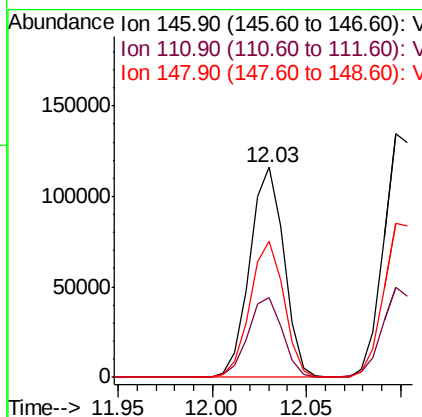
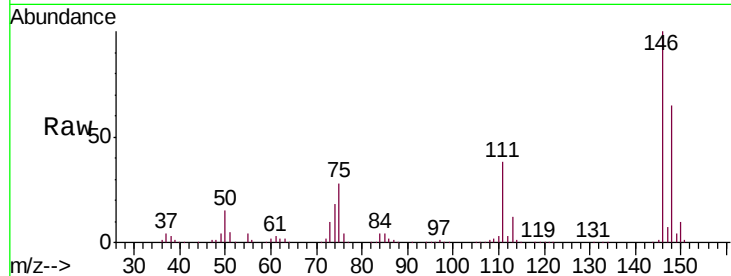
#87
 1,3-Dichlorobenzene
 Concen: 44.54 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003711.D
 Acq: 27 Jul 2018 10:53

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.4	58.2
148	64.1	32.4	97.0

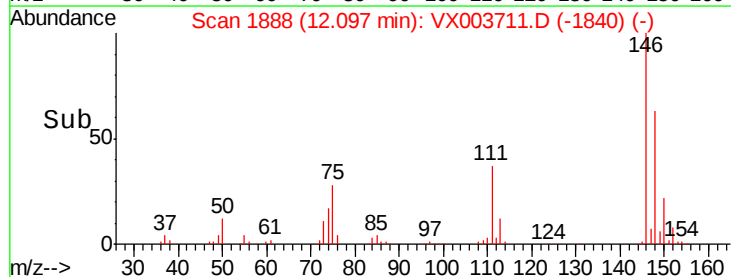
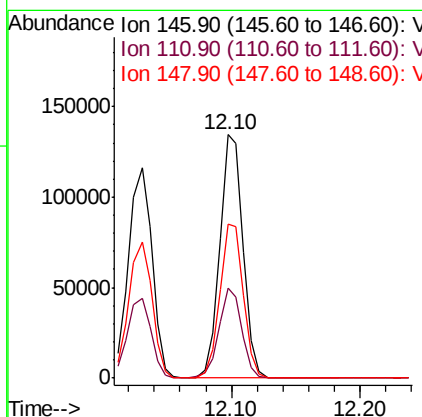
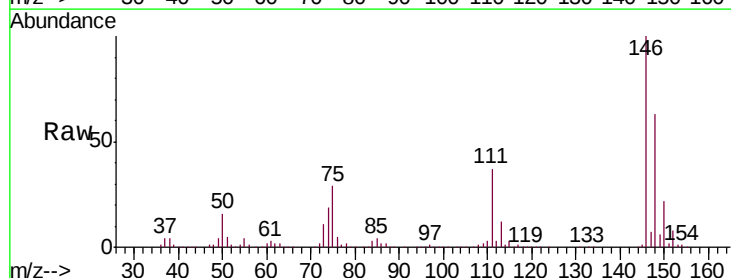
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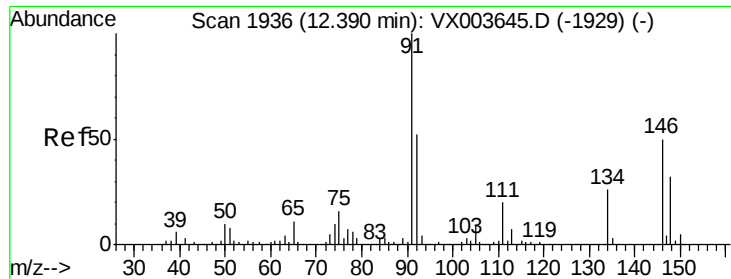
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#88
 1,4-Dichlorobenzene
 Concen: 49.98 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003711.D
 Acq: 27 Jul 2018 10:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.6	55.6
148	64.1	32.0	96.2





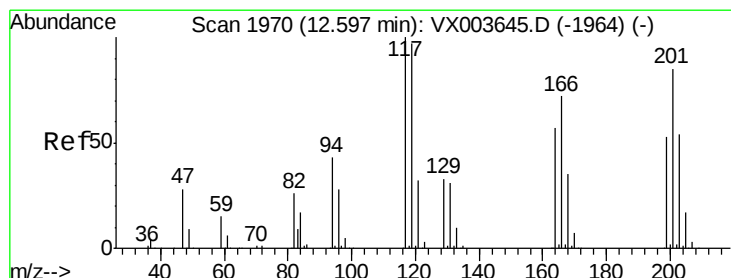
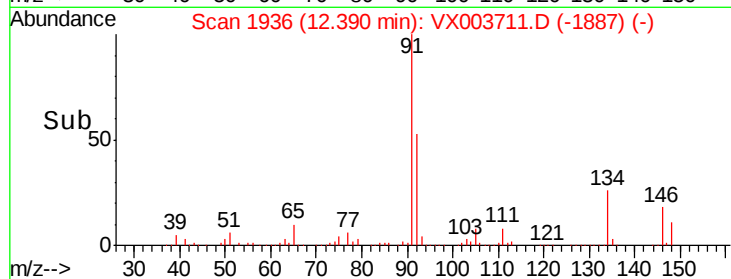
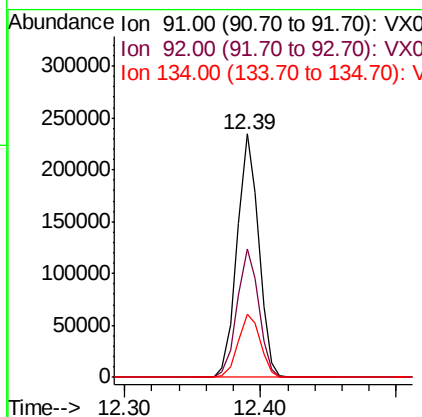
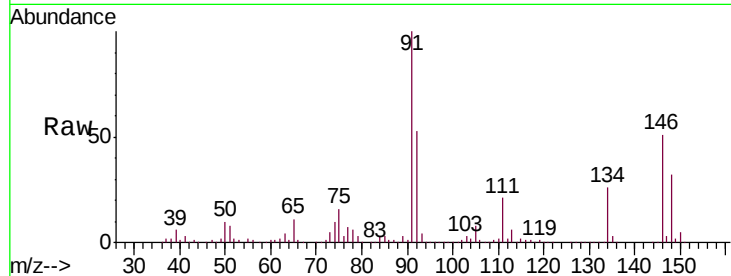
#89
n-Butylbenzene
Concen: 50.00 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		259423		
92	52.9	26.3	78.9		
134	26.5	13.3	39.8		

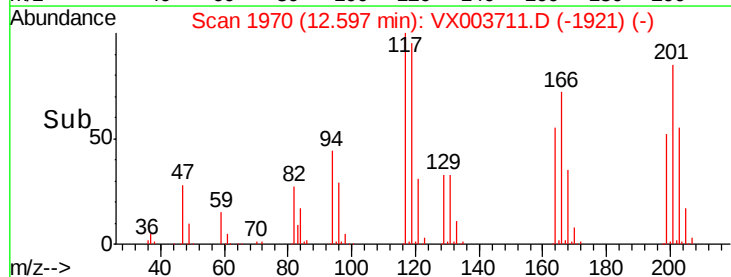
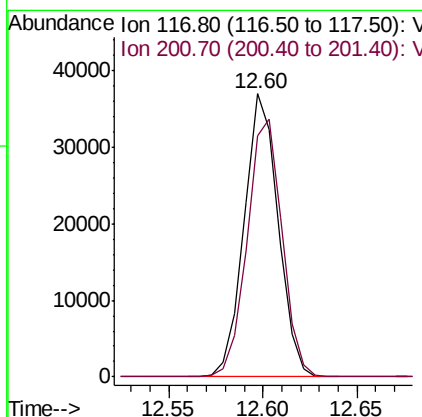
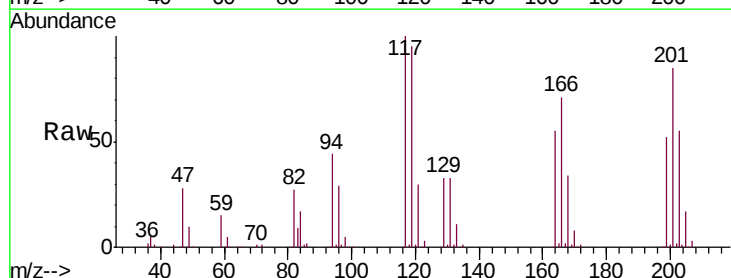
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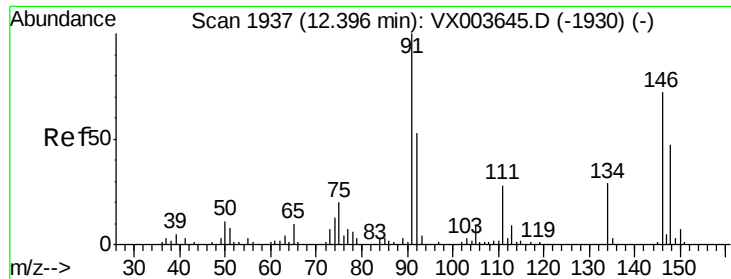
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#90
Hexachloroethane
Concen: 53.06 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003711.D
Acq: 27 Jul 2018 10:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		46259		
201	93.1	46.2	138.5		





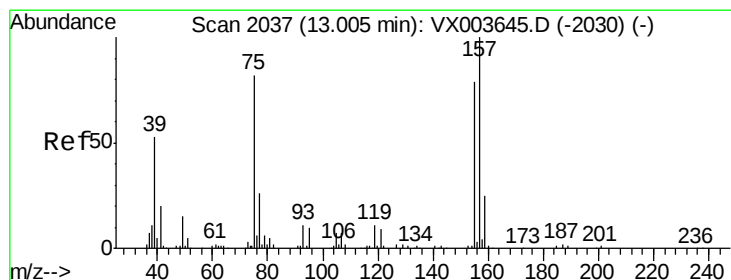
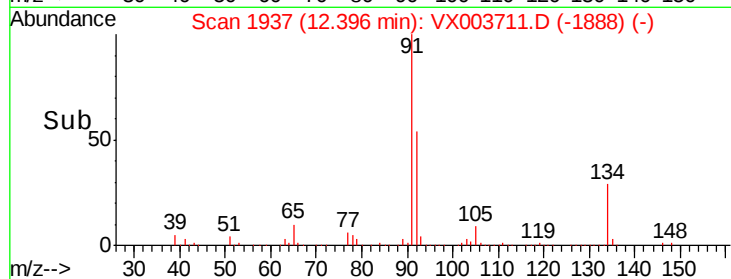
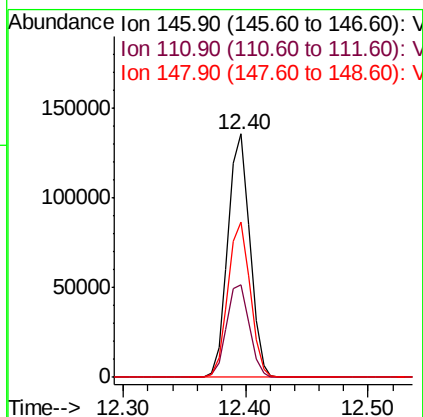
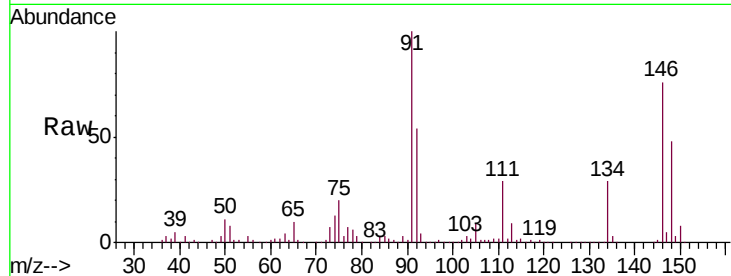
#91
 1,2-Dichlorobenzene
 Concen: 50.09 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003711.D
 Acq: 27 Jul 2018 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.8	59.4
148	64.2	32.2	96.6

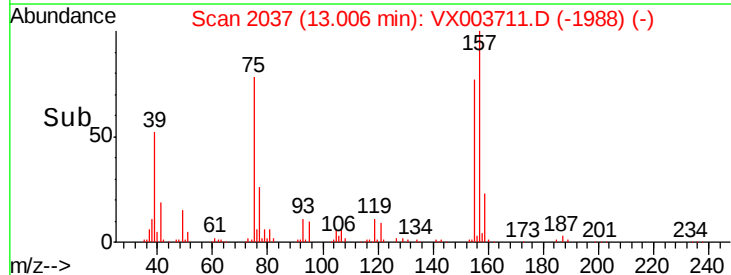
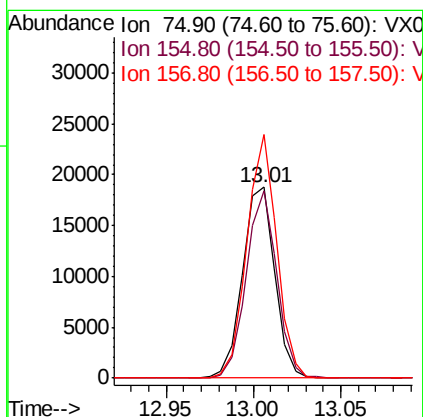
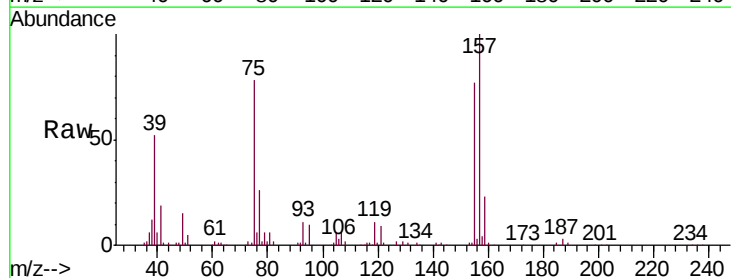
Manual Integrations
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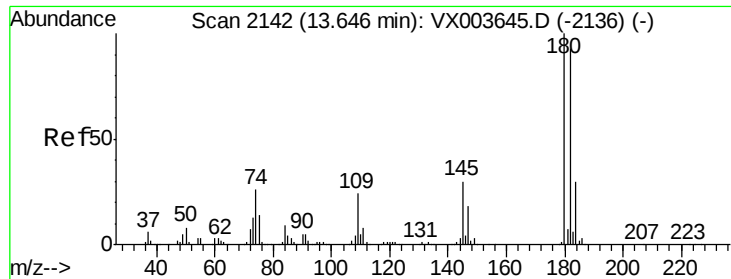
MMDadoda
 7/27/2018 5:41:25 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.13 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003711.D
 Acq: 27 Jul 2018 10:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.2	46.1	138.3
157	118.2	59.7	179.0





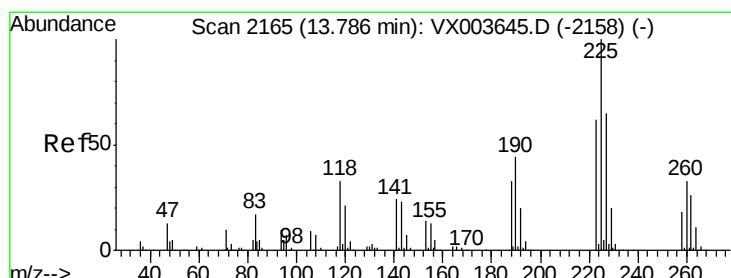
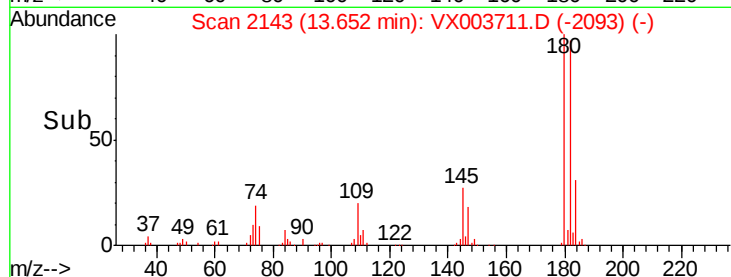
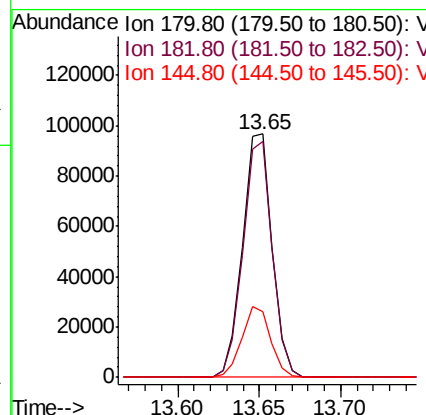
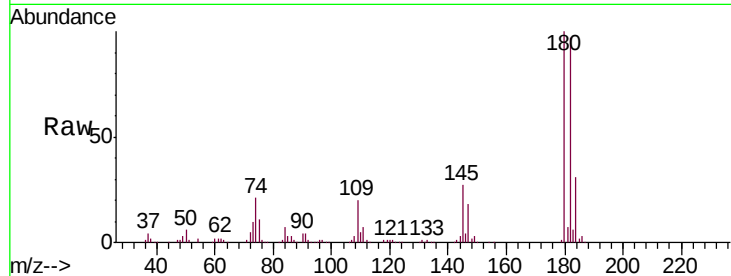
#93
 1,2,4-Trichlorobenzene
 Concen: 51.09 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX003711.D
 Acq: 27 Jul 2018 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	122300		
182	96.1	47.9	143.8	
145	28.2	14.4	43.2	

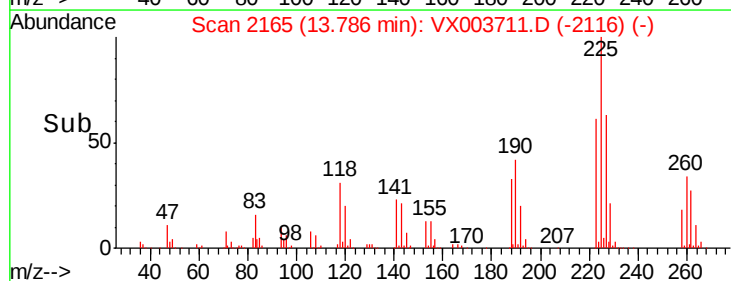
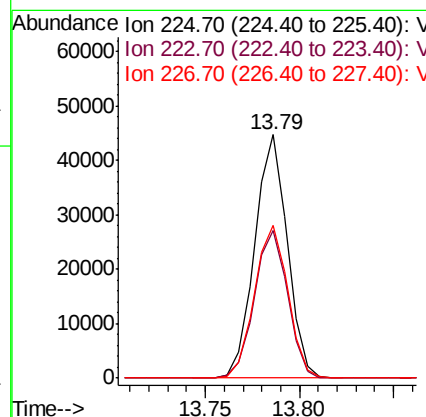
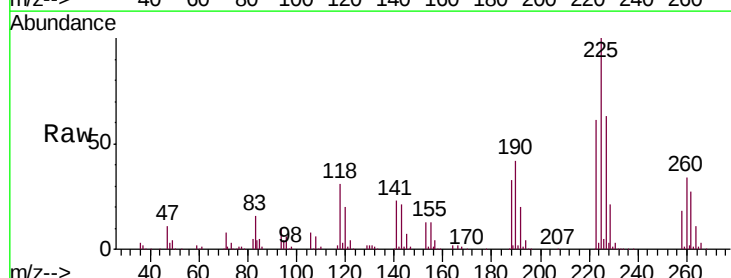
Manual Integrations
 APPROVED

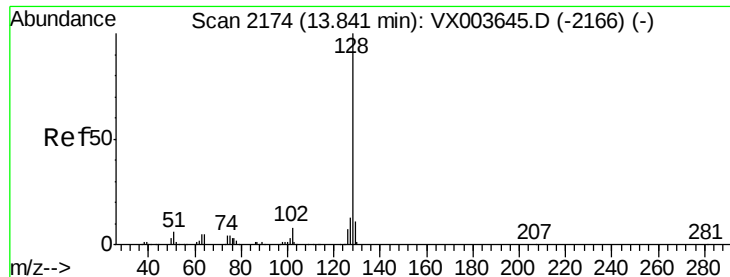
MMDadoda
 7/27/2018 5:41:25 PM



#94
 Hexachlorobutadiene
 Concen: 48.30 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003711.D
 Acq: 27 Jul 2018 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53486		
223	61.8	30.9	92.5	
227	64.4	31.9	95.7	





#95

Naphthalene

Concen: 53.84 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

Instrument :

MSVOA_X

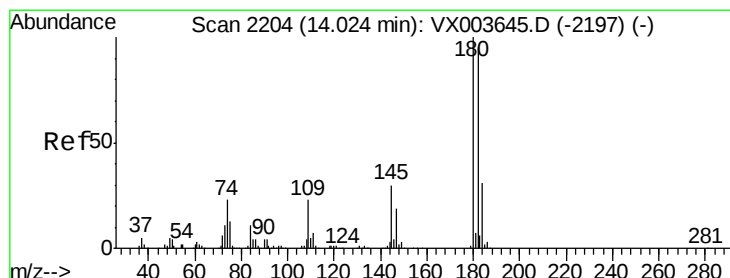
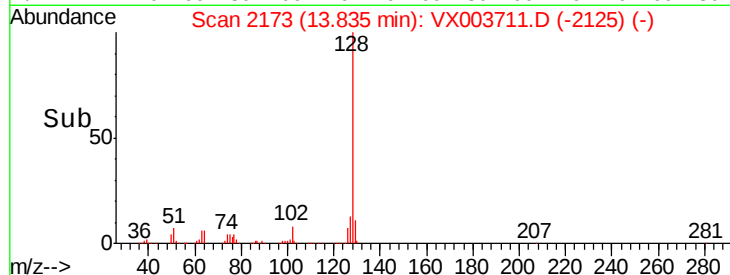
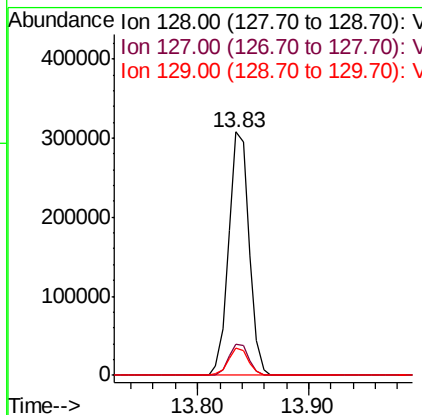
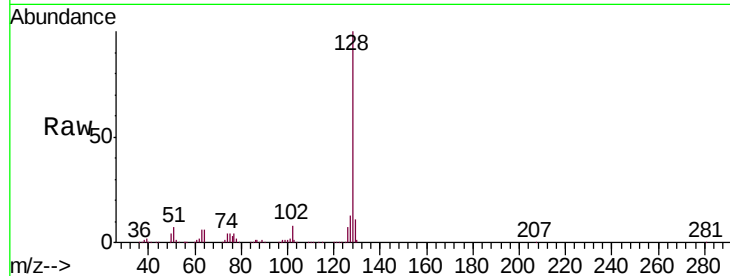
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	389752
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/27/2018 5:41:25 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.67 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003711.D

Acq: 27 Jul 2018 10:53

Tgt Ion:	180	Resp:	125638
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.6	142.8
145	29.8	15.0	45.1

