

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080919\
 Data File : VX011403.D
 Acq On : 09 Aug 2019 12:35
 Operator : JC/SP
 Sample : K4251-03MS 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MS

Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 12:49:58 PM

Quant Time: Aug 11 00:21:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	166231	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	246976	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	232179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	128572	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	94193	56.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.54%	
35) Dibromofluoromethane	5.49	113	82092	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
50) Toluene-d8	8.71	98	304354	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	11.13	95	118056	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	55722	43.402	ug/l	99
3) Chloromethane	1.32	50	60795	42.168	ug/l	100
4) Vinyl Chloride	1.40	62	68231	43.024	ug/l	100
5) Bromomethane	1.63	94	47784	42.247	ug/l	98
6) Chloroethane	1.71	64	45863	46.530	ug/l	97
7) Trichlorofluoromethane	1.92	101	125323	44.444	ug/l	99
8) Diethyl Ether	2.18	74	44110	43.808	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	70927	46.487	ug/l	96
10) Methyl Iodide	2.50	142	90971	47.292	ug/l	98
11) Tert butyl alcohol	3.04	59	82587	247.403	ug/l	100
12) 1,1-Dichloroethene	2.36	96	67545	44.660	ug/l	90
13) Acrolein	2.29	56	52249	251.863	ug/l	100
14) Allyl chloride	2.72	41	71300	35.362	ug/l	95
15) Acrylonitrile	3.14	53	203813	255.855	ug/l	98
16) Acetone	2.43	43	171804	215.615	ug/l	100
17) Carbon Disulfide	2.56	76	153316	43.198	ug/l	99
18) Methyl Acetate	2.76	43	94153	51.706	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	227509	51.045	ug/l	98
20) Methylene Chloride	2.85	84	77701	44.527	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	73336	45.838	ug/l	96
22) Diisopropyl ether	3.85	45	224116	50.574	ug/l	98
23) Vinyl Acetate	3.81	43	982915	267.426	ug/l	98
24) 1,1-Dichloroethane	3.69	63	127772	48.898	ug/l	99
25) 2-Butanone	4.67	43	286004	252.328	ug/l	97
26) 2,2-Dichloropropane	4.57	77	103456	50.932	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	86460	46.918	ug/l	96
28) Bromochloromethane	5.01	49	59552	49.991	ug/l	96
29) Tetrahydrofuran	5.12	42	177641	255.606	ug/l	99
30) Chloroform	5.20	83	142226	50.079	ug/l	99
31) Cyclohexane	5.57	56	100233	46.494	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	123615	50.810	ug/l	99
36) 1,1-Dichloropropene	5.79	75	97451	45.193	ug/l	99
37) Ethyl Acetate	4.83	43	107985	49.925	ug/l	98
38) Carbon Tetrachloride	5.77	117	109630	50.534	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	110444	43.210	ug/l	98
40) Benzene	6.13	78	303849	47.221	ug/l	98
41) Methacrylonitrile	5.04	41	60334	51.076	ug/l	97
42) 1,2-Dichloroethane	6.18	62	110690	50.871	ug/l	97
43) Isopropyl Acetate	6.44	43	172663	49.930	ug/l	100
44) Trichloroethene	7.21	130	88784	45.584	ug/l	96
45) 1,2-Dichloropropane	7.51	63	77767	46.666	ug/l	97
46) Dibromomethane	7.66	93	57357	47.147	ug/l	97
47) Bromodichloromethane	7.89	83	105091	51.022	ug/l	99
48) Methyl methacrylate	7.76	41	85227	52.369	ug/l	97
49) 1,4-Dioxane	7.73	88	40674	862.098	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	587289	263.156	ug/l	99
52) Toluene	8.78	92	202088	47.501	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	111930	46.852	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	123939	51.513	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	85693	48.989	ug/l	99
56) Ethyl methacrylate	9.18	69	130361	52.296	ug/l	99
57) 1,3-Dichloropropane	9.37	76	134503	48.621	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	311207	253.910	ug/l	99
59) 2-Hexanone	9.49	43	447835	259.073	ug/l	100
60) Dibromochloromethane	9.58	129	93174	52.027	ug/l	98
61) 1,2-Dibromoethane	9.67	107	92483	48.937	ug/l	98
64) Tetrachloroethene	9.34	164	89106	45.191	ug/l	97
65) Chlorobenzene	10.13	112	231607	46.524	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	85811	50.349	ug/l	99
67) Ethyl Benzene	10.25	91	407898	48.925	ug/l	99
68) m/p-Xylenes	10.36	106	330045	102.345	ug/l	96
69) o-Xylene	10.69	106	152505	48.131	ug/l	99
70) Styrene	10.71	104	262642	50.096	ug/l	99
71) Bromoform	10.85	173	69542	45.882	ug/l #	99
73) Isopropylbenzene	11.02	105	476551	54.194	ug/l	100
74) N-amyl acetate	10.90	43	162229	51.058	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	135983	46.404	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	112394m	48.002	ug/l	
77) Bromobenzene	11.25	156	112648	46.198	ug/l	97
78) n-propylbenzene	11.36	91	607285	62.102	ug/l	99
79) 2-Chlorotoluene	11.42	91	285714	49.020	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	366243	49.754	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	35828	41.687	ug/l	97
82) 4-Chlorotoluene	11.51	91	322647	47.499	ug/l	98
83) tert-Butylbenzene	11.77	119	357456	49.512	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1064717	145.278	ug/l	99
85) sec-Butylbenzene	11.94	105	446074	51.427	ug/l	97
86) p-Isopropyltoluene	12.06	119	408913	51.244	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	198826	46.149	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	200313	45.089	ug/l	98
89) n-Butylbenzene	12.38	91	359075	52.231	ug/l	98
90) Hexachloroethane	12.59	117	65316	55.364	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	198818	45.928	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	30800	54.250	ug/l	91

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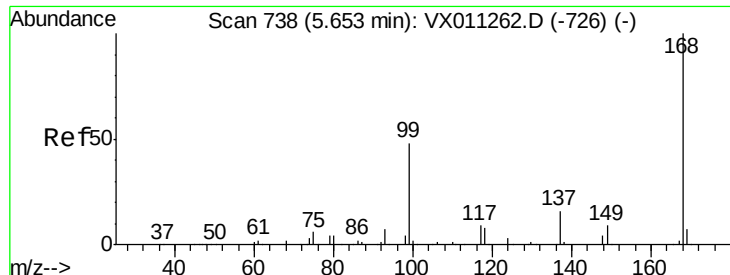
Manual Integrations
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Quant Time: Aug 11 00:21:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	135811	47.306	ug/l	99
94) Hexachlorobutadiene	13.78	225	68245	46.854	ug/l	99
95) Naphthalene	13.83	128	434325	51.733	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	138039	47.296	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MS

Tot Ion:168 Resp: 166231

Ion Ratio Lower Upper

168 100

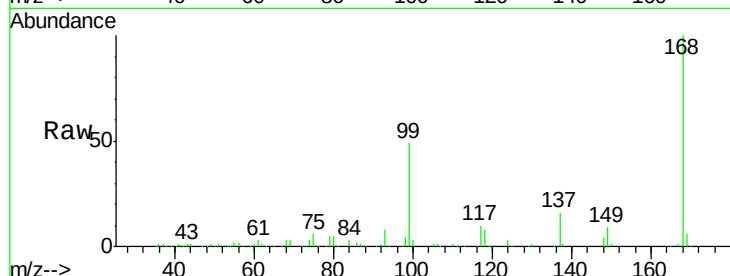
99 49.2 38.5 57.7

Manual Integrations

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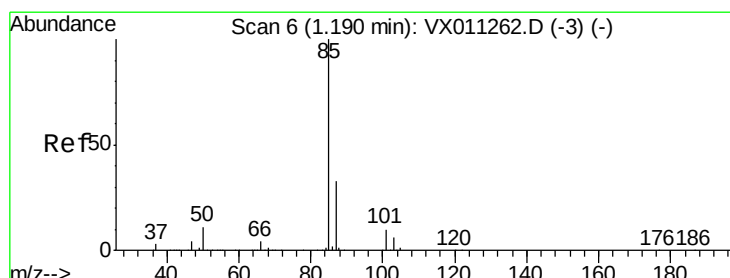
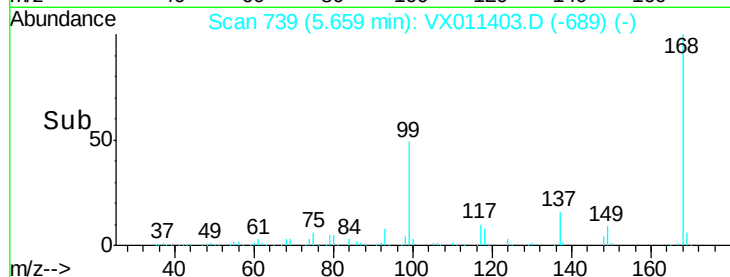
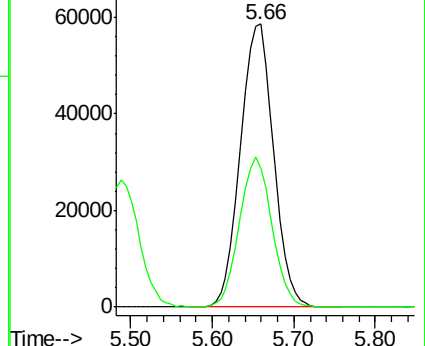
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 43.402 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.00 min

Lab File: VX011403.D

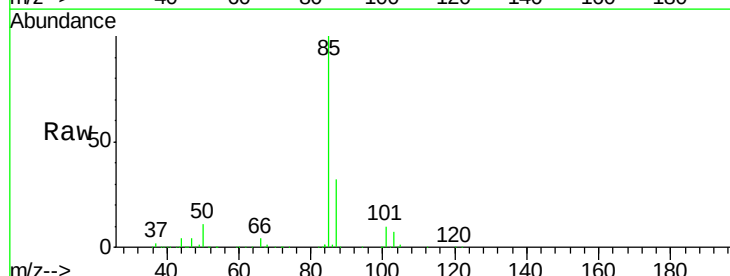
Acq: 09 Aug 2019 12:35

Tgt Ion: 85 Resp: 55722

Ion Ratio Lower Upper

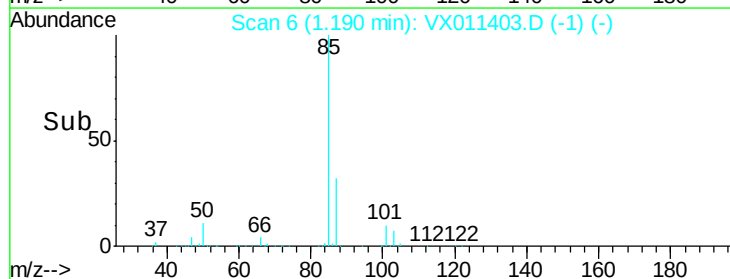
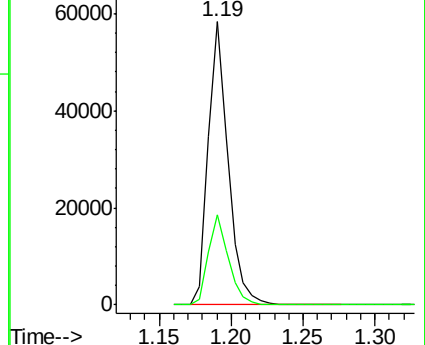
85 100

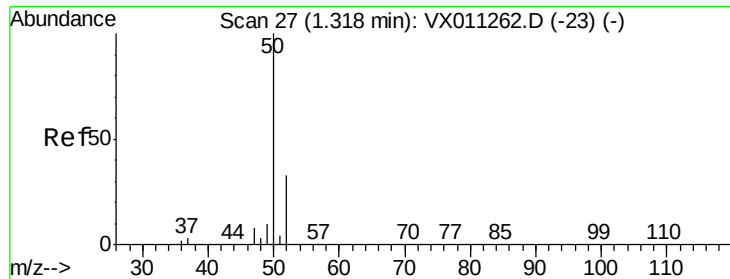
87 32.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 42.168 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MS

Tot Ion: 50 Resp: 60795

Ion Ratio Lower Upper

50 100

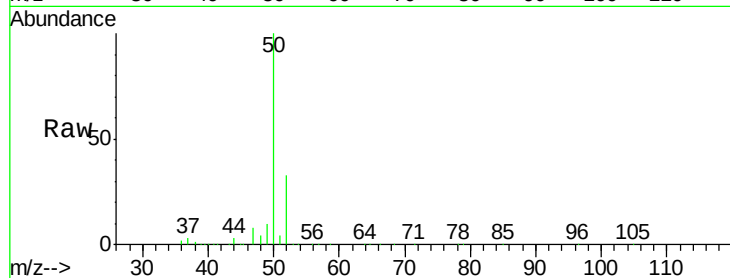
52 32.8 26.4 39.6

Manual Integrations

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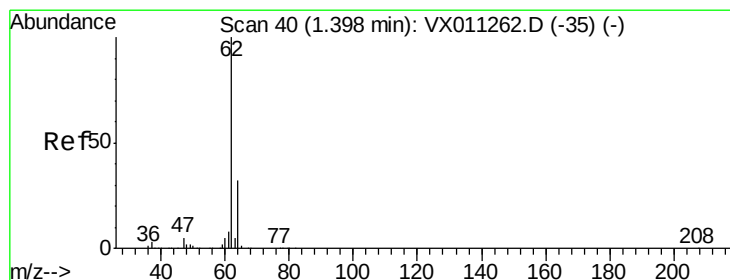
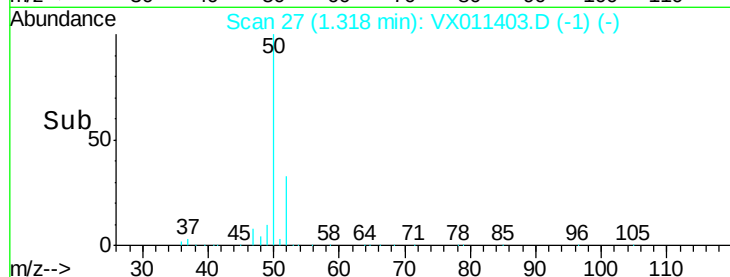
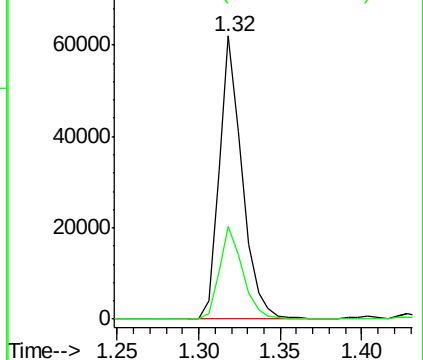
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 43.024 ug/l

RT: 1.40 min Scan# 40

Delta R.T. -0.00 min

Lab File: VX011403.D

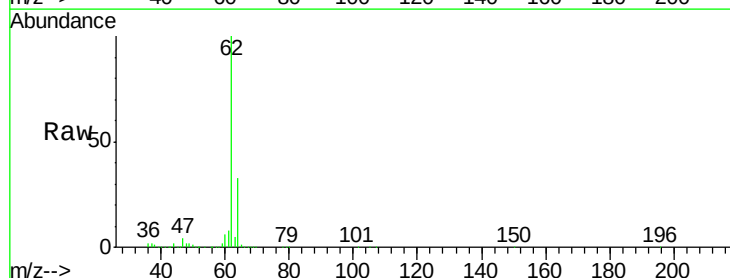
Acq: 09 Aug 2019 12:35

Tgt Ion: 62 Resp: 68231

Ion Ratio Lower Upper

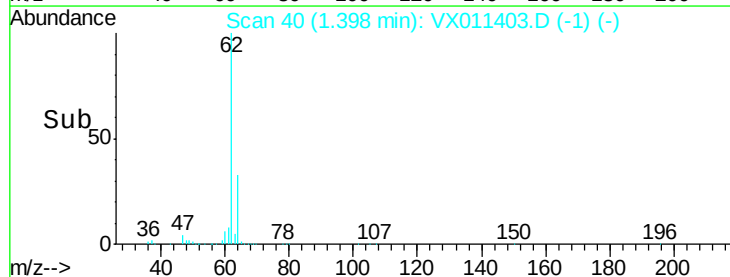
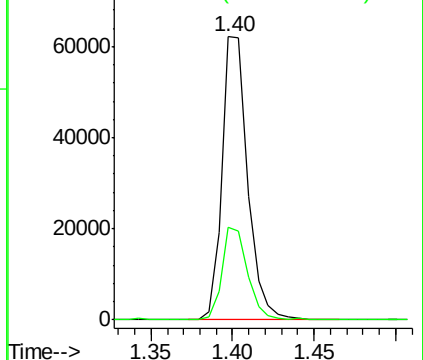
62 100

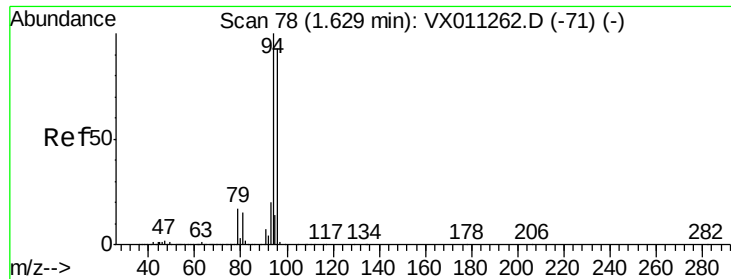
64 32.5 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 42.247 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MS

Tot Ion: 94 Resp: 47784

Ion Ratio Lower Upper

94 100

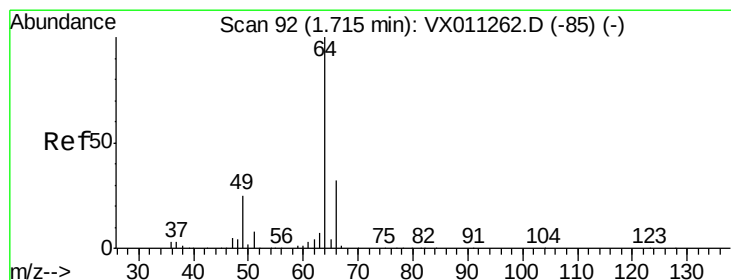
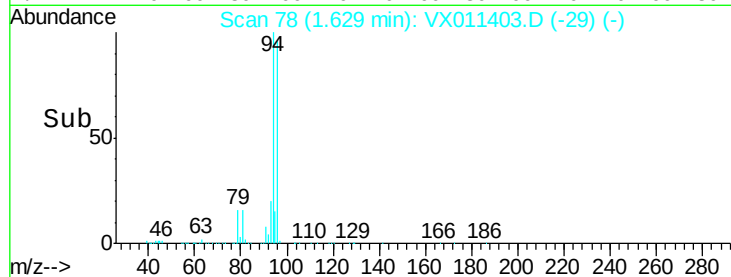
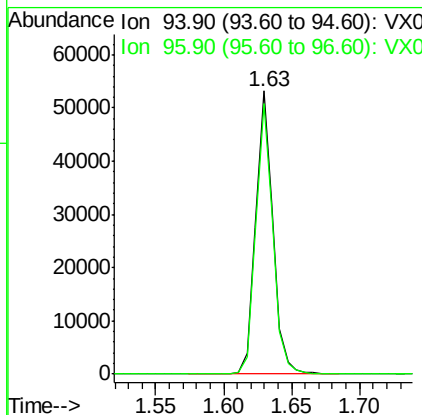
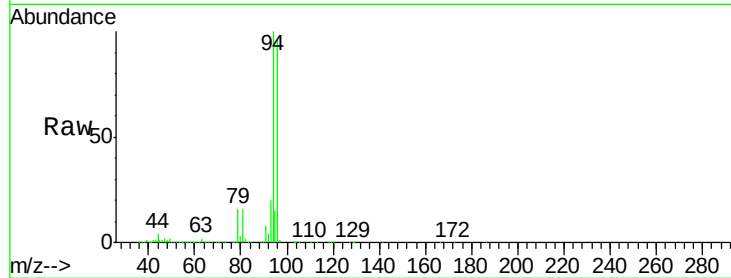
96 95.7 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 46.530 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011403.D

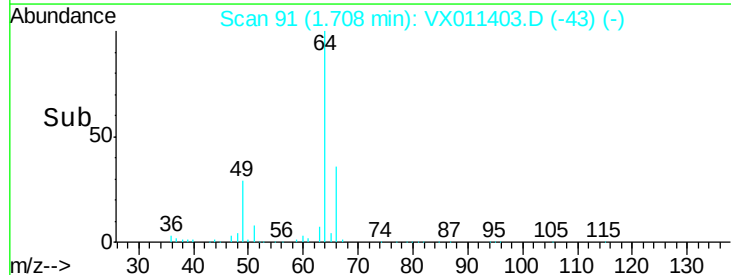
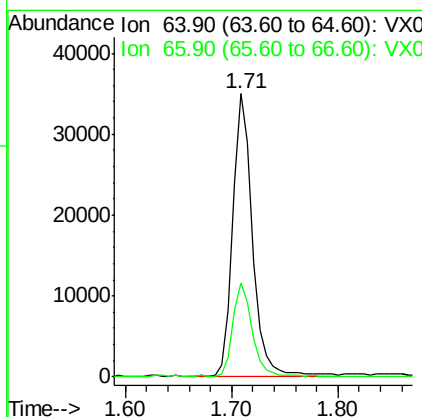
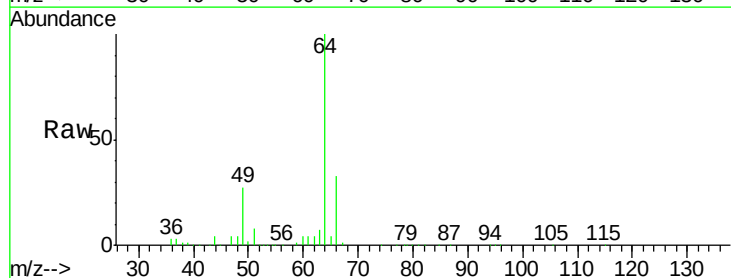
Acq: 09 Aug 2019 12:35

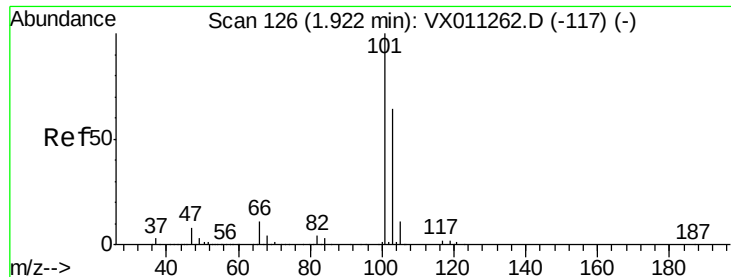
Tgt Ion: 64 Resp: 45863

Ion Ratio Lower Upper

64 100

66 32.8 25.1 37.7





#7

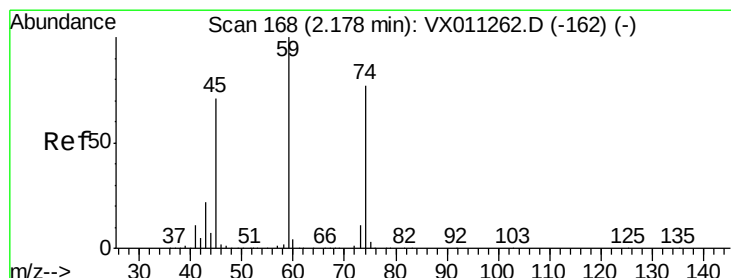
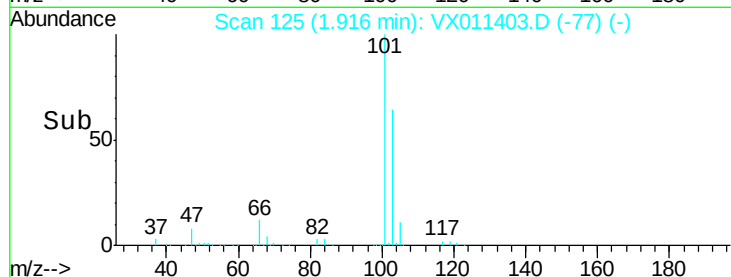
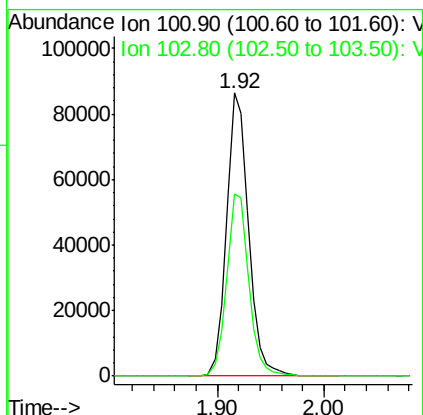
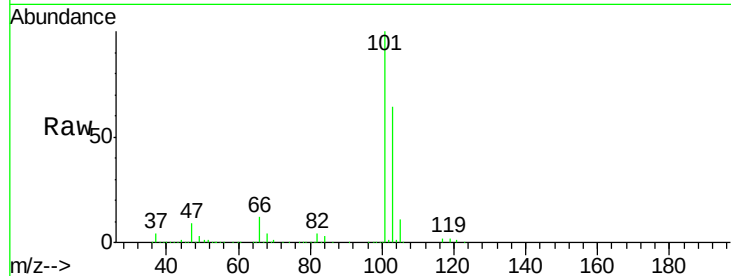
Trichlorofluoromethane
Concen: 44.444 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

Instrument :
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ClientSampleId :
EP1-MW-K-0819MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	50.9	76.3

Manual Integrations
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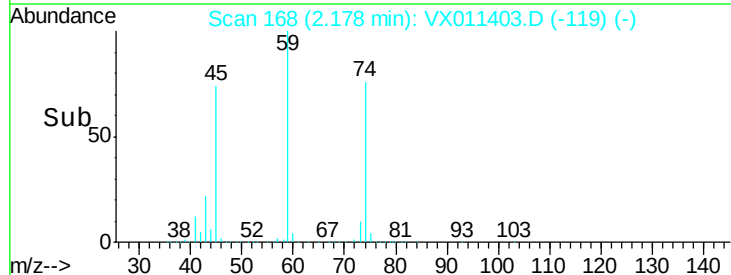
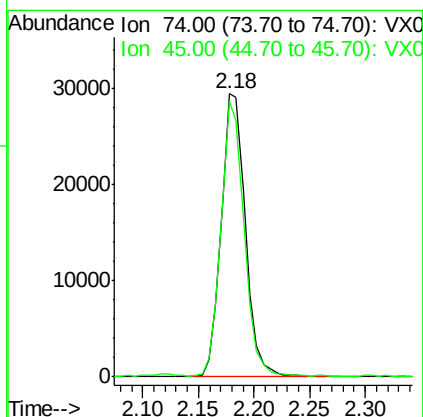
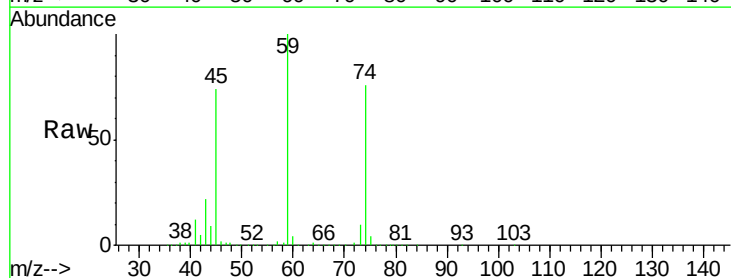
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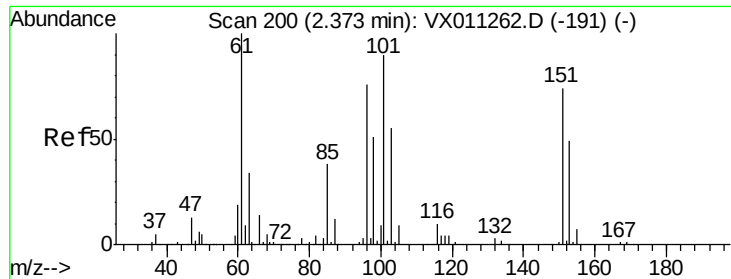


#8

Diethyl Ether
Concen: 43.808 ug/l
RT: 2.18 min Scan# 168
Delta R.T. -0.00 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.7	46.1	138.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.487 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Instrument :

MSVOA_X

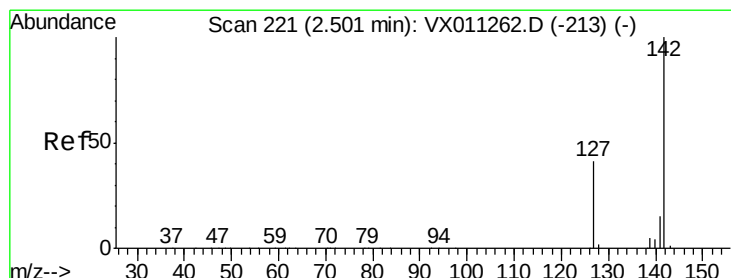
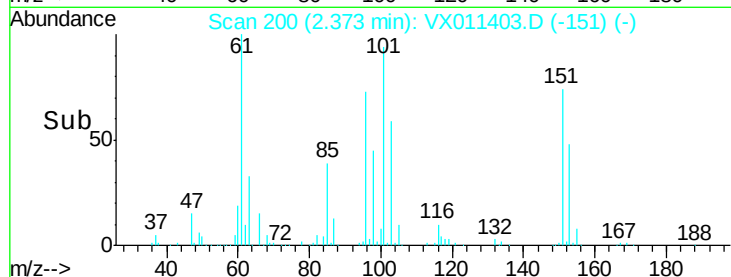
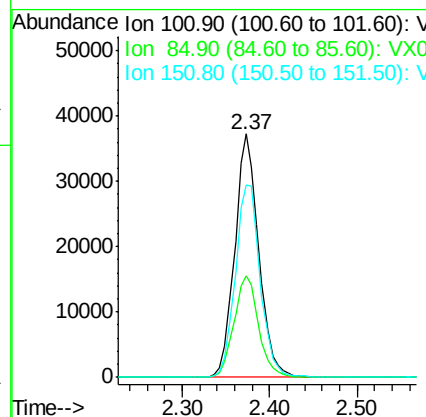
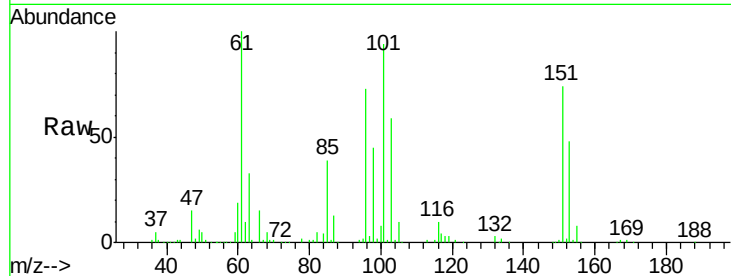
ClientSampleId :

EP1-MW-K-0819MS

Tot Ion:	101	Resp:	70927
Ion Ratio	Lower	Upper	
101	100		
85	42.9	33.8	50.6
151	82.3	69.5	104.3

Manual Integrations
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#10

Methyl Iodide

Concen: 47.292 ug/l

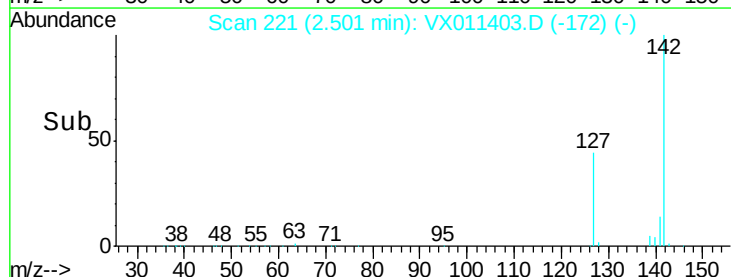
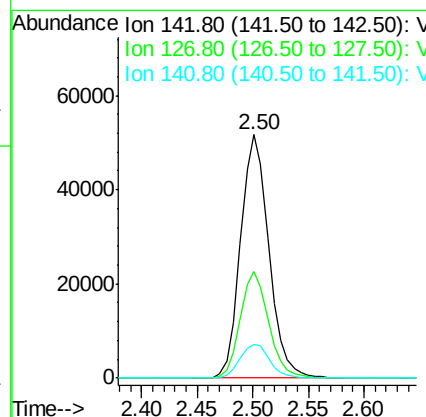
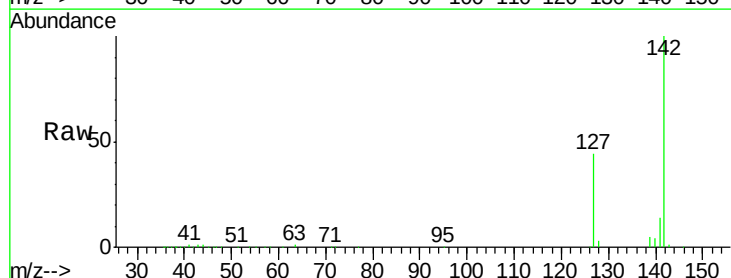
RT: 2.50 min Scan# 221

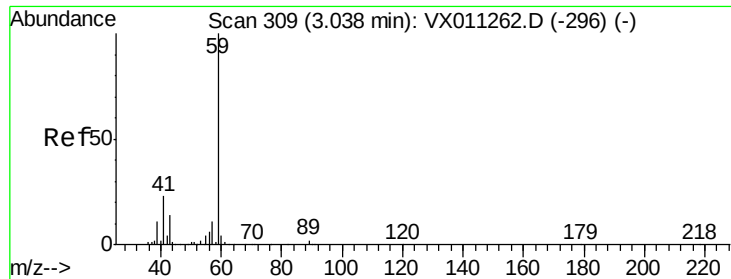
Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Tgt Ion:	142	Resp:	90971
Ion Ratio	Lower	Upper	
142	100		
127	43.9	33.8	50.8
141	14.6	11.4	17.2





#11

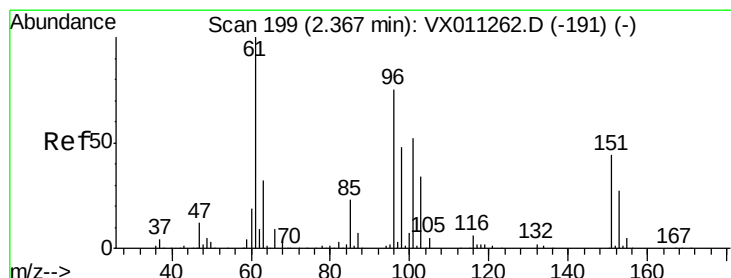
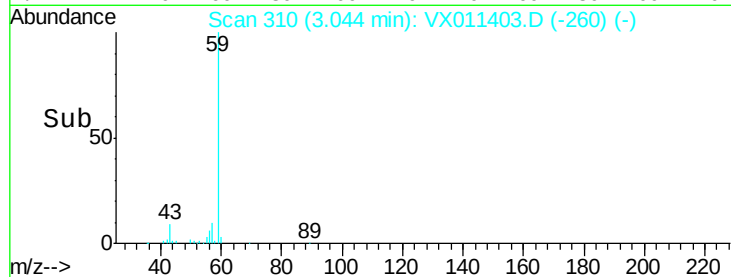
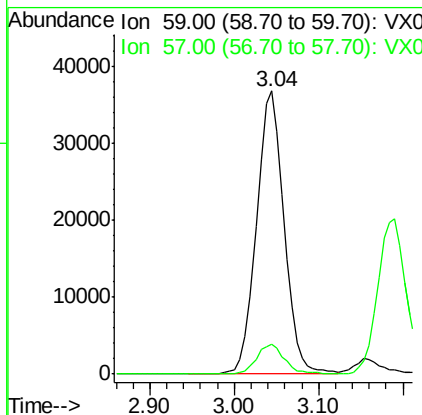
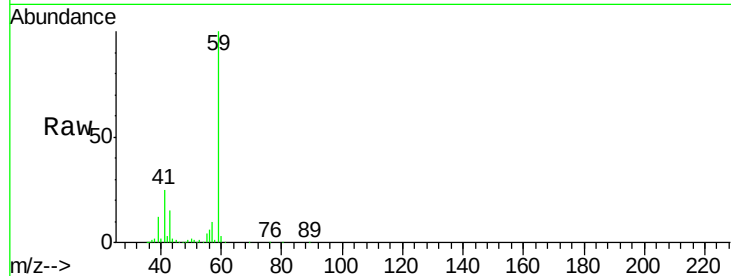
Tert butyl alcohol
Concen: 247.403 ug/l
RT: 3.04 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MS

Tot Ion	59	Ratio	100	Resp	82587
Ion	59	100		Lower	Upper
	57	10.6		8.3	12.5

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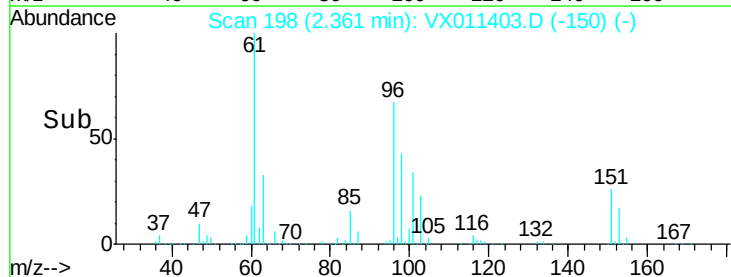
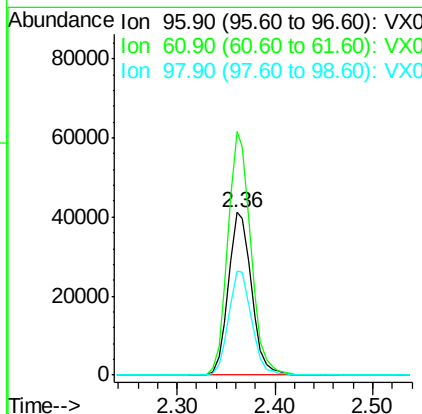
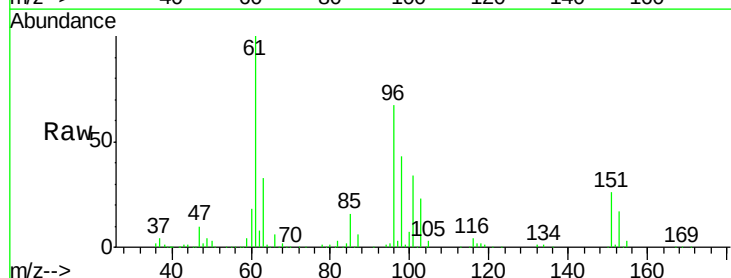
MMDadoda
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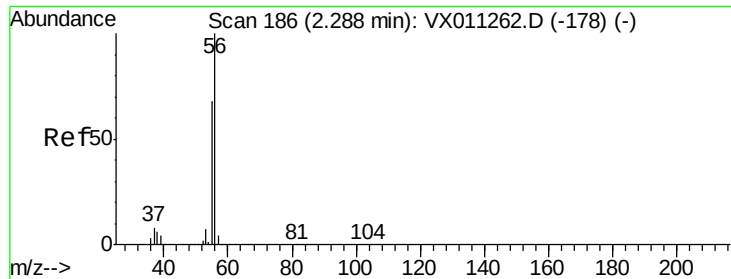


#12

1,1-Dichloroethene
Concen: 44.660 ug/l
RT: 2.36 min Scan# 198
Delta R.T. -0.01 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

Tgt Ion	96	Ratio	100	Resp	67545
Ion	96	100		Lower	Upper
	61	149.7		106.2	159.2
	98	64.3		50.6	75.8





#13

Acrolein

Concen: 251.863 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MS

Tot Ion: 56 Resp: 52249

Ion Ratio Lower Upper

56 100

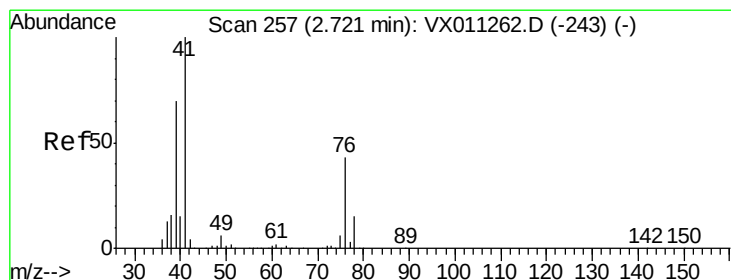
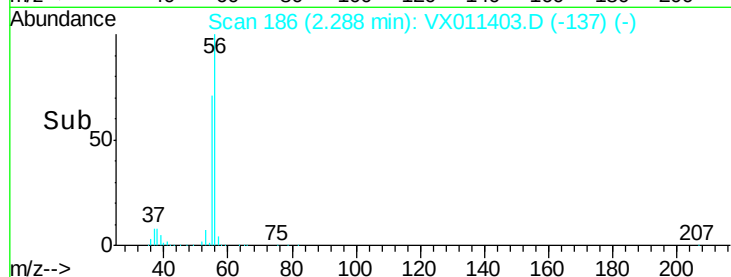
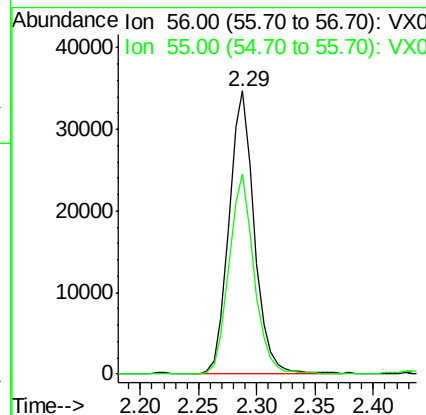
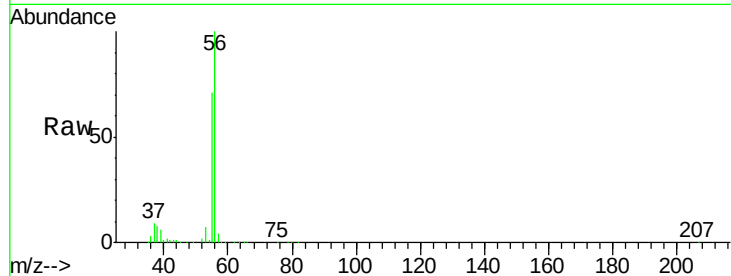
55 70.3 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 35.362 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

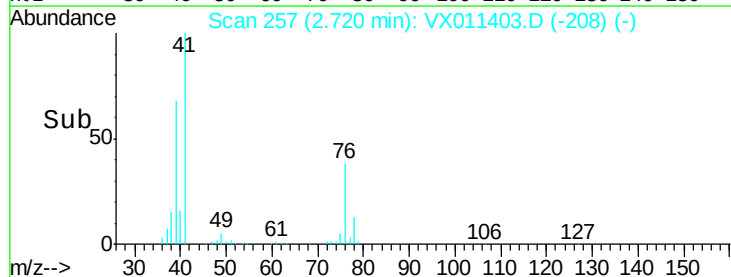
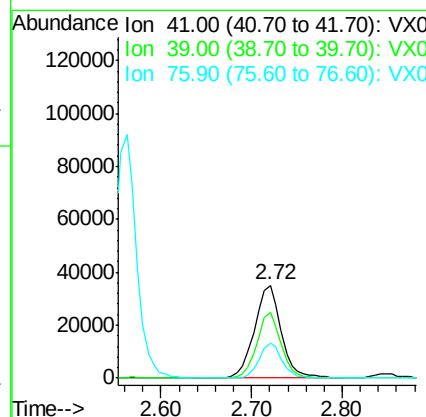
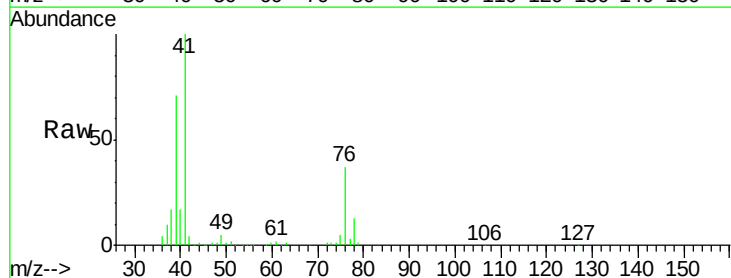
Tgt Ion: 41 Resp: 71300

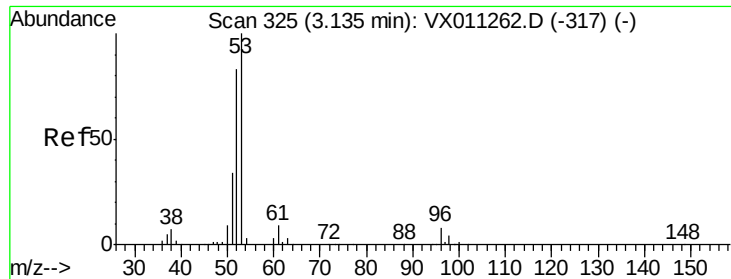
Ion Ratio Lower Upper

41 100

39 63.9 52.8 79.2

76 32.6 31.1 46.7





#15

Acrylonitrile

Concen: 255.855 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Instrument :

MSVOA_X

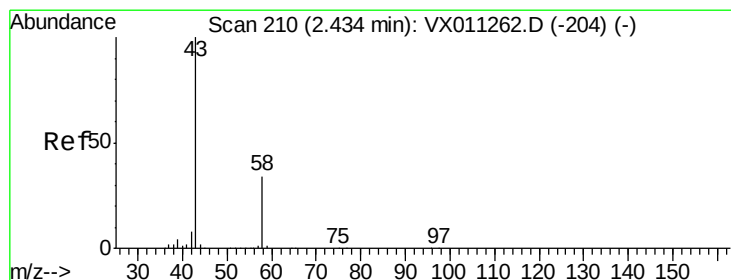
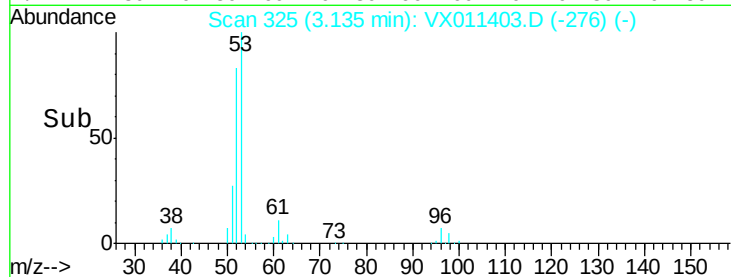
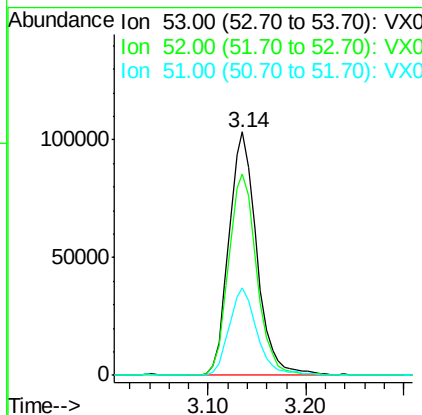
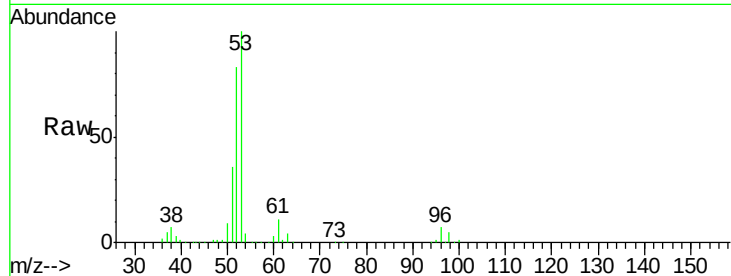
ClientSampleId :

EP1-MW-K-0819MS

Tot Ion:	53	Resp:	203813
Ion Ratio		Lower	Upper
53	100		
52	84.1	65.5	98.3
51	36.1	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 215.615 ug/l

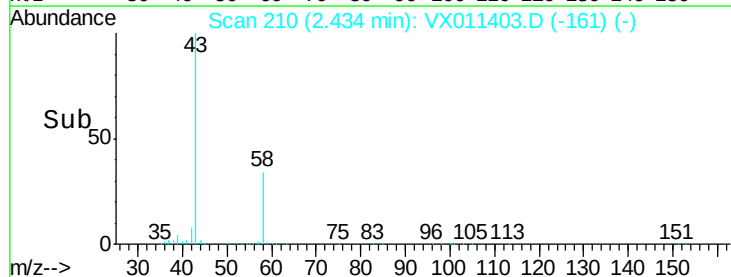
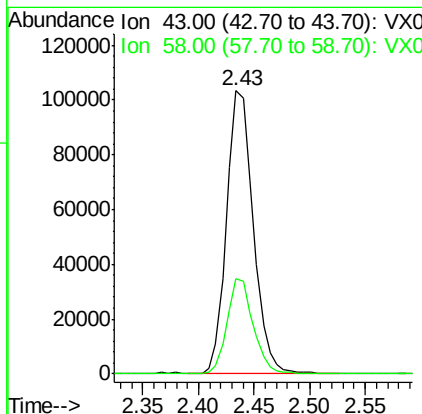
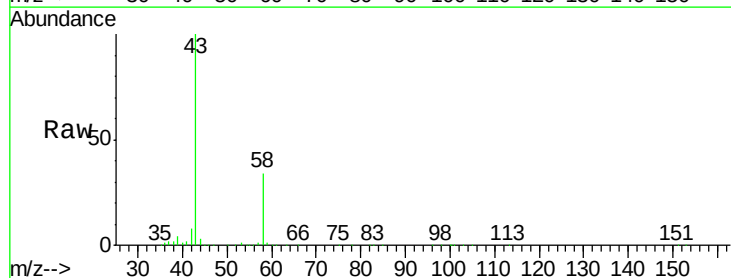
RT: 2.43 min Scan# 210

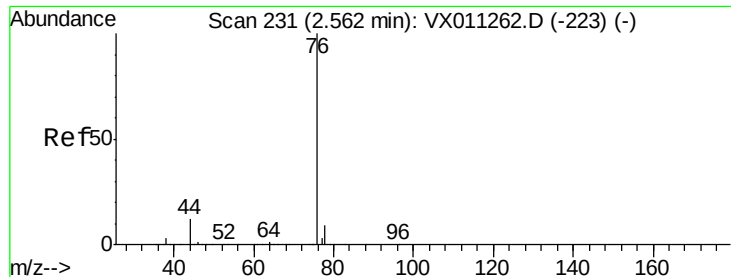
Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Tgt Ion:	43	Resp:	171804
Ion Ratio		Lower	Upper
43	100		
58	33.9	27.4	41.0





#17

Carbon Disulfide

Concen: 43.198 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MS

Tot Ion: 76 Resp: 153316

Ion Ratio Lower Upper

76 100

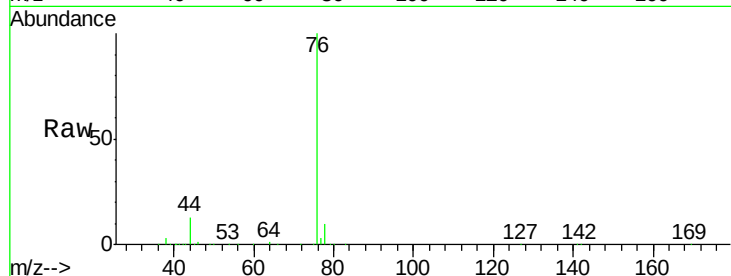
78 9.7 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

100000

80000

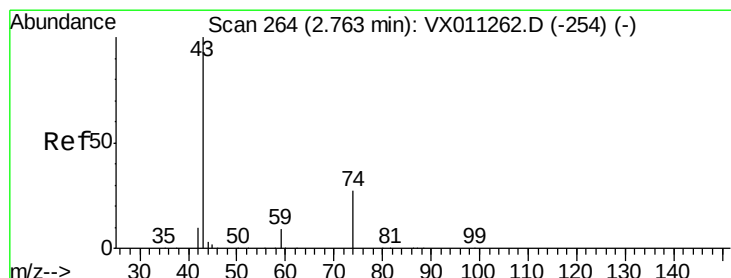
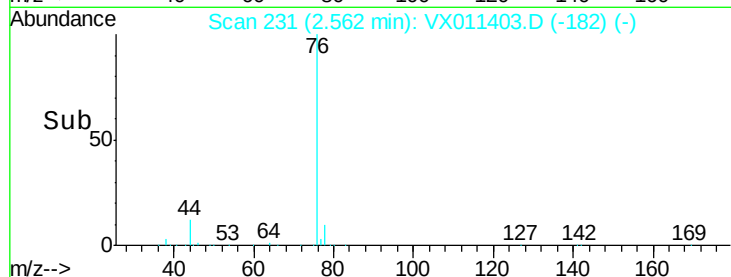
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 51.706 ug/l

RT: 2.76 min Scan# 264

Delta R.T. -0.00 min

Lab File: VX011403.D

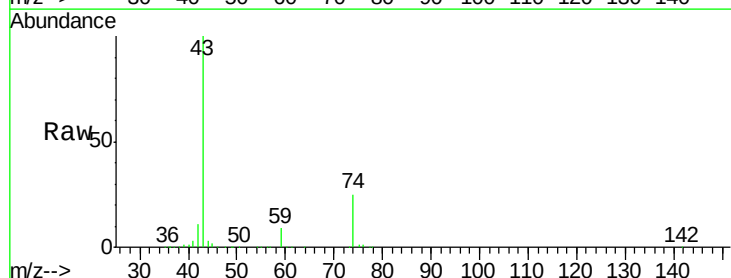
Acq: 09 Aug 2019 12:35

Tgt Ion: 43 Resp: 94153

Ion Ratio Lower Upper

43 100

74 25.0 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

60000

50000

40000

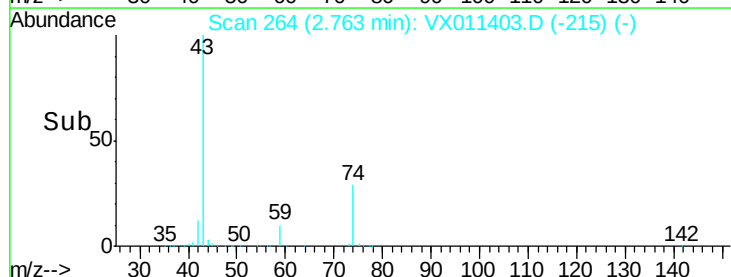
30000

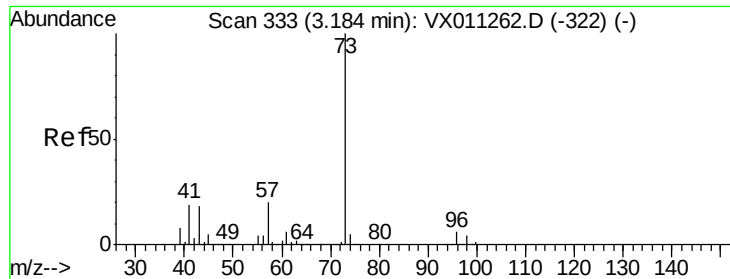
20000

10000

0

Time-->





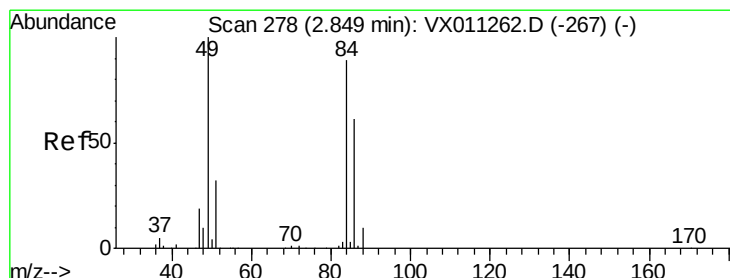
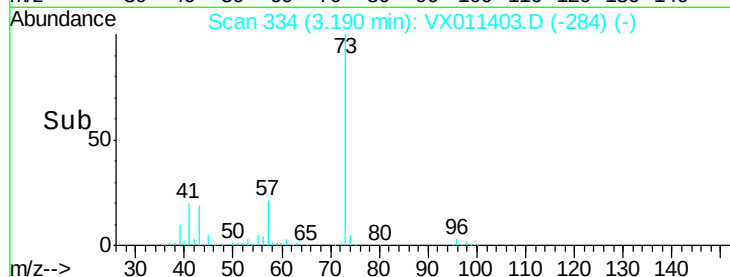
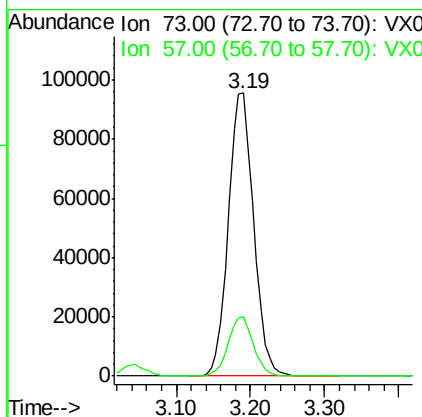
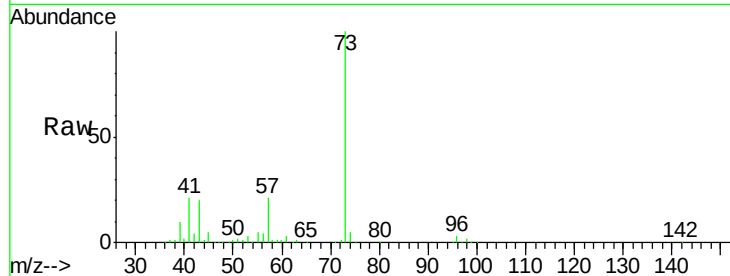
#19
Methyl tert-butyl Ether
Concen: 51.045 ug/l
RT: 3.19 min Scan# 334
Delta R.T. 0.01 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	16.2	24.2

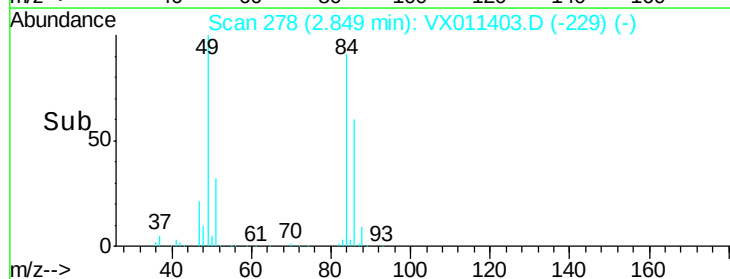
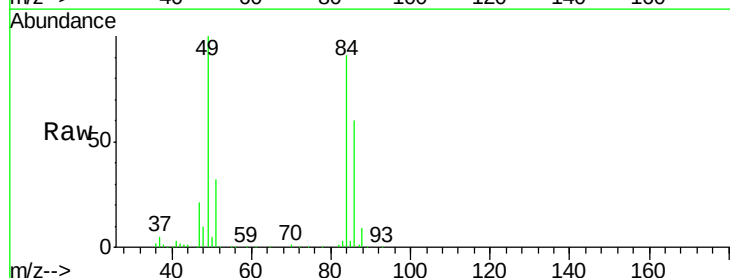
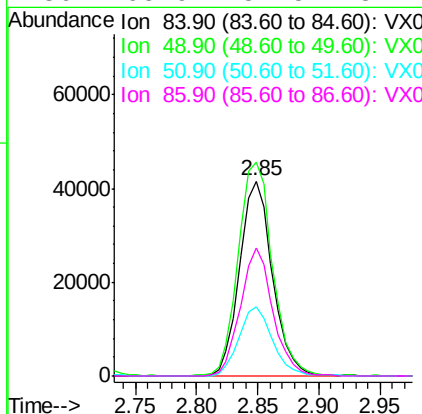
Manual Integrations
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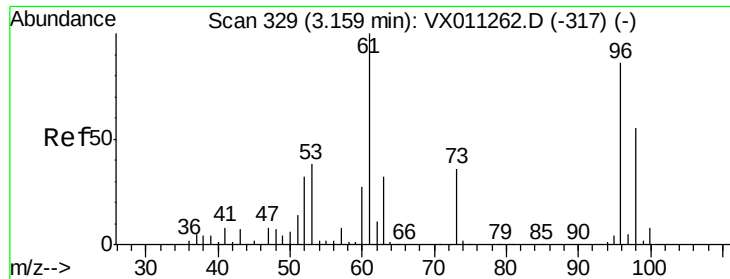
MMDadoda
8/12/2019 12:49:58 PM



#20
Methylene Chloride
Concen: 44.527 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.5	89.3	133.9
51	34.9	28.3	42.5
86	65.9	54.5	81.7





#21

trans-1,2-Dichloroethene

Concen: 45.838 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MS

Tot Ion: 96 Resp: 73336

Ion Ratio Lower Upper

96 100

61 121.6 92.8 139.2

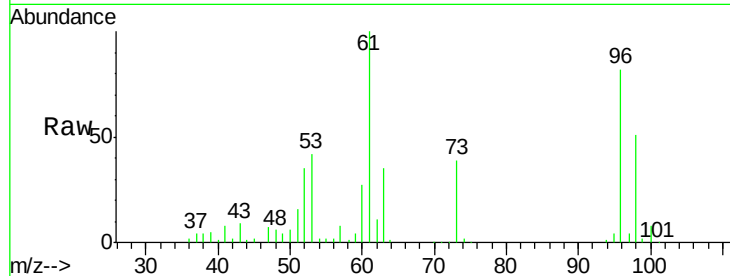
98 62.6 51.2 76.8

Manual Integrations

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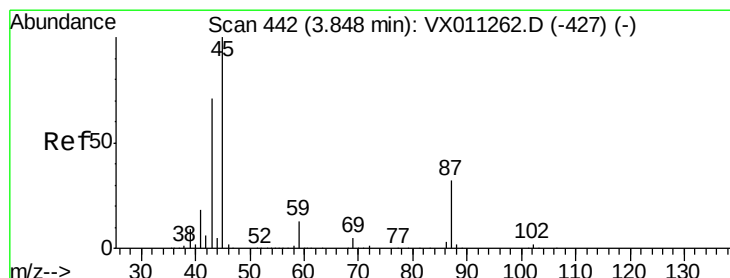
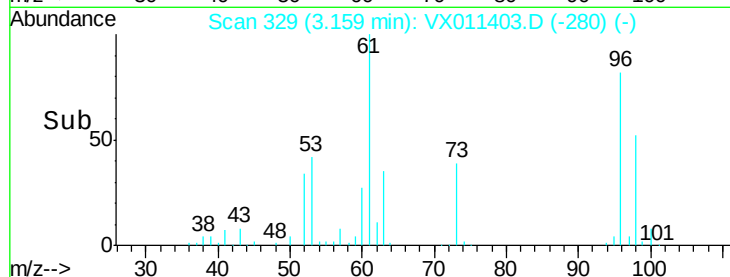
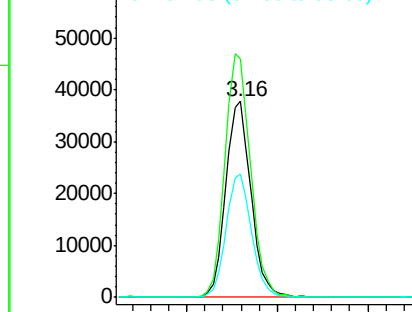


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 50.574 ug/l

RT: 3.85 min Scan# 442

Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Tgt Ion: 45 Resp: 224116

Ion Ratio Lower Upper

45 100

43 70.2 56.8 85.2

87 30.7 25.8 38.6

59 11.6 10.3 15.5

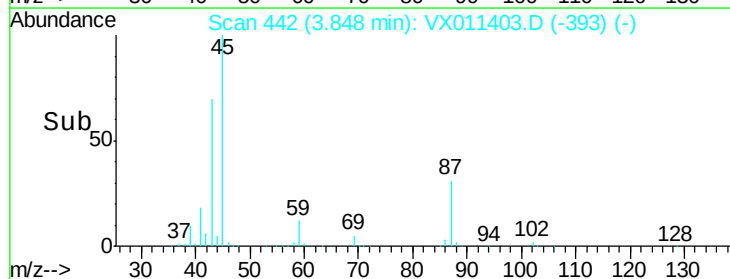
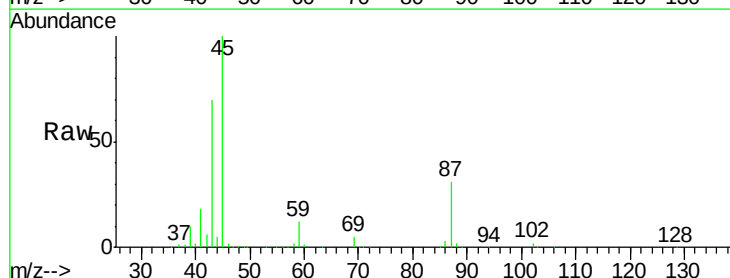
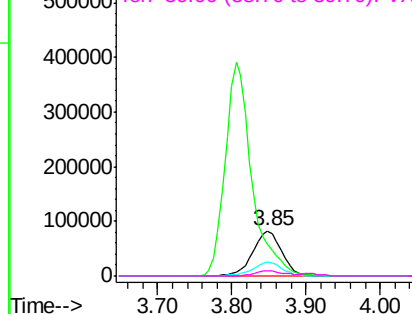
Abundance

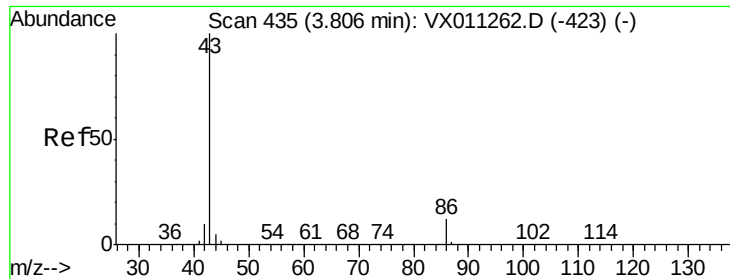
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 267.426 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MS

Tot Ion: 43 Resp: 982915

Ion Ratio Lower Upper

43 100

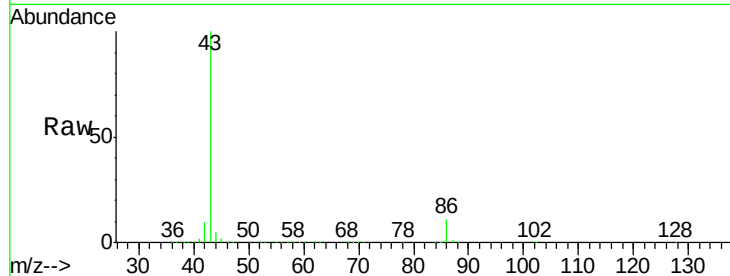
86 11.3 9.6 14.4

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

400000

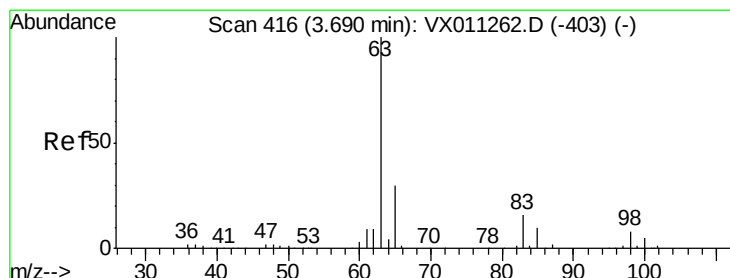
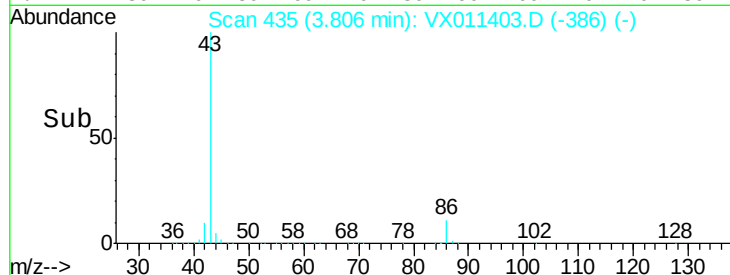
300000

200000

100000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 48.898 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

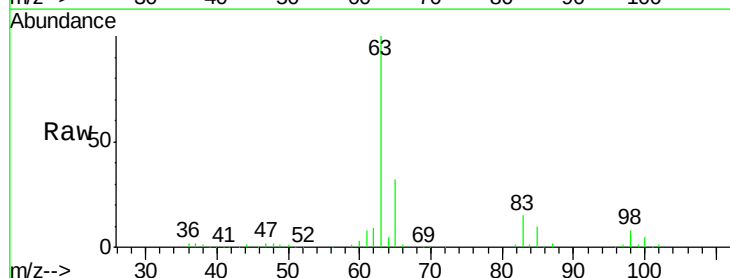
Tgt Ion: 63 Resp: 127772

Ion Ratio Lower Upper

63 100

98 7.9 3.9 11.5

100 5.0 2.7 8.1



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

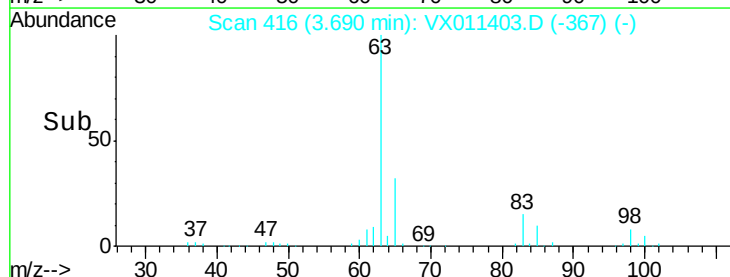
60000

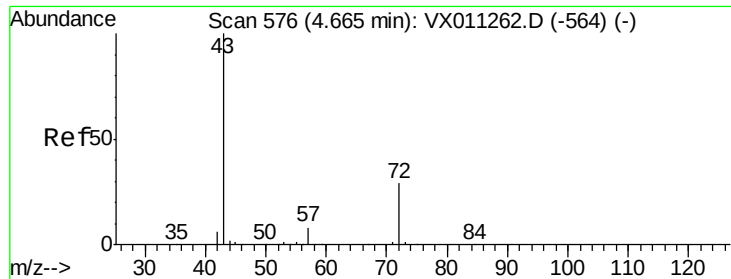
40000

20000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 252.328 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MS

Tot Ion: 43 Resp: 286004

Ion Ratio Lower Upper

43 100

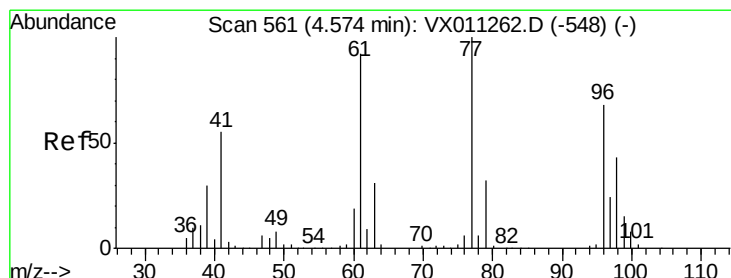
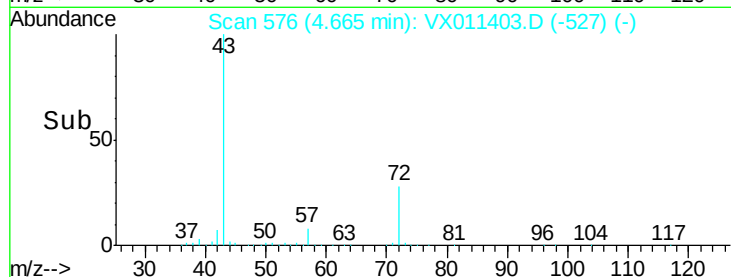
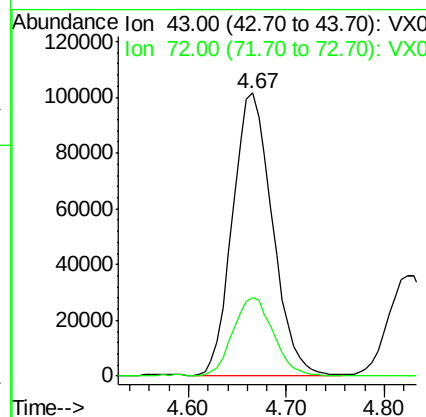
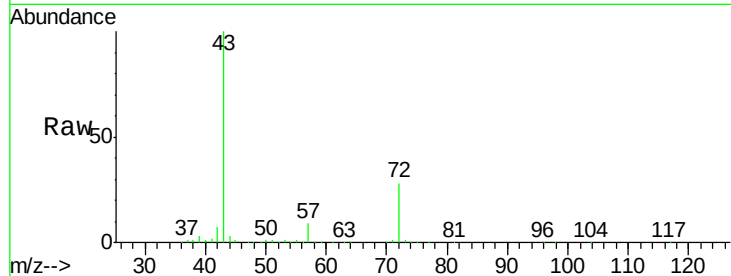
72 27.6 23.2 34.8

Manual Integrations

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8/12/2019 12:49:58 PM



#26

2,2-Dichloropropane

Concen: 50.932 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.00 min

Lab File: VX011403.D

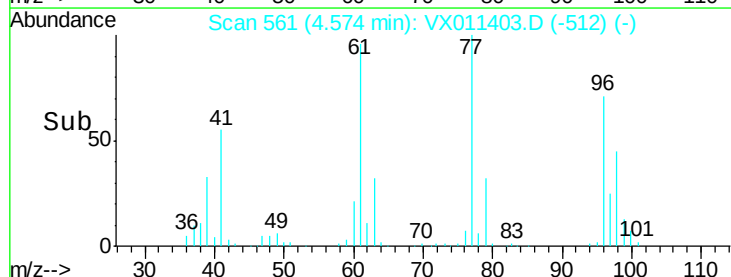
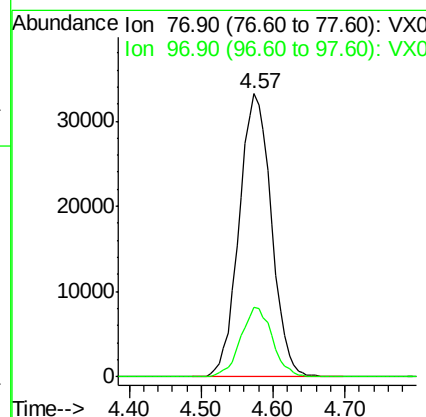
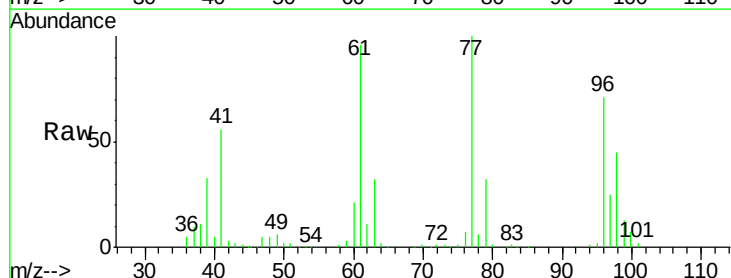
Acq: 09 Aug 2019 12:35

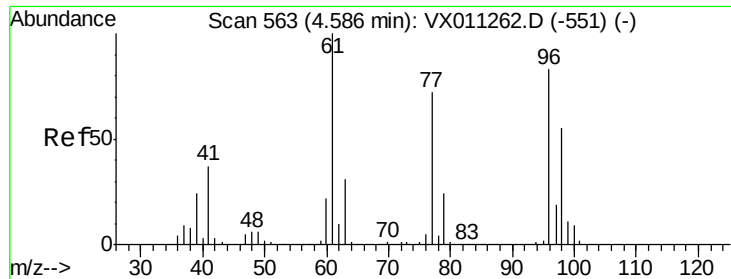
Tgt Ion: 77 Resp: 103456

Ion Ratio Lower Upper

77 100

97 24.2 12.8 38.4





#27

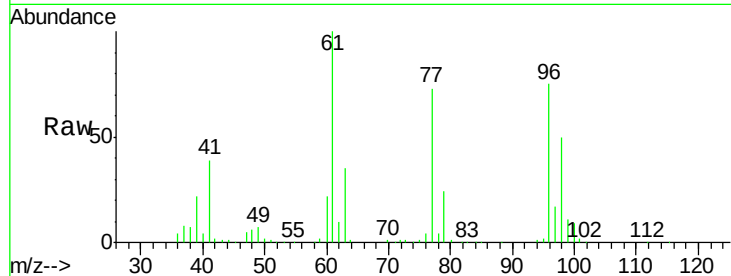
cis-1,2-Dichloroethene
Concen: 46.918 ug/l
RT: 4.59 min Scan# 563
Delta R.T. -0.00 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.0	0.0	260.2
98	64.7	0.0	133.2

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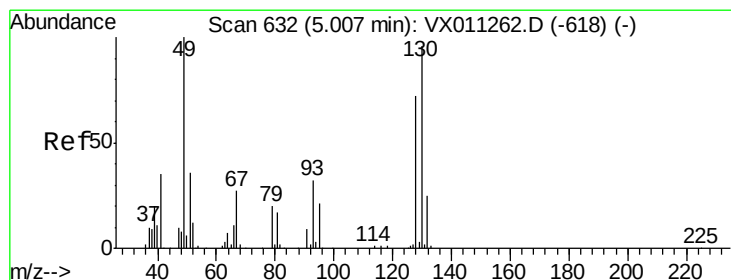
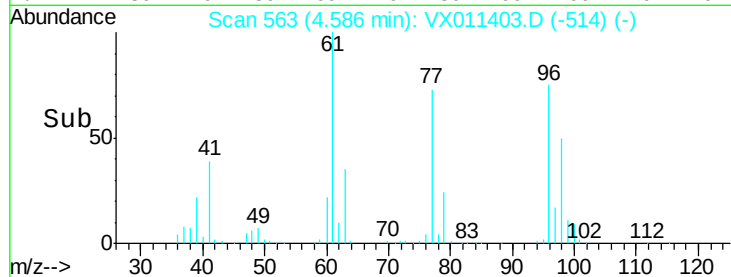
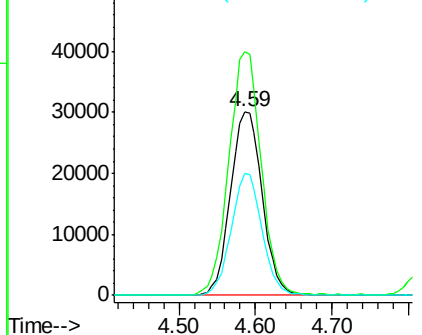


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

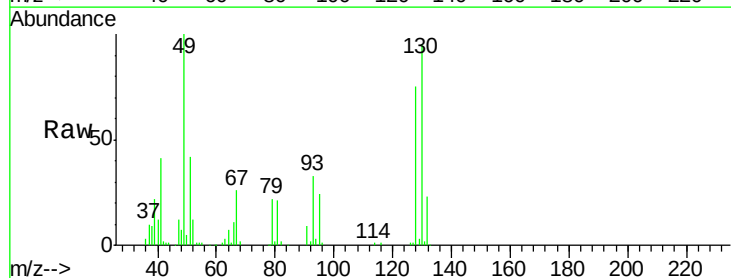
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 49.991 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.00 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.8
130	92.9	77.9	116.9

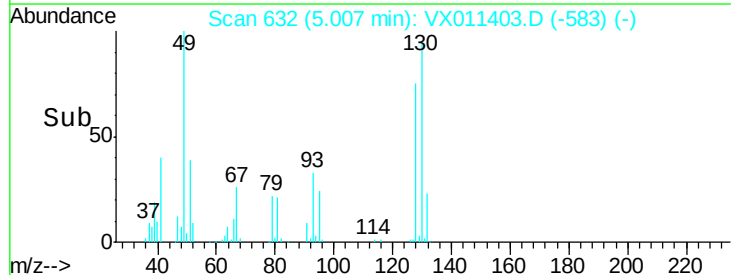
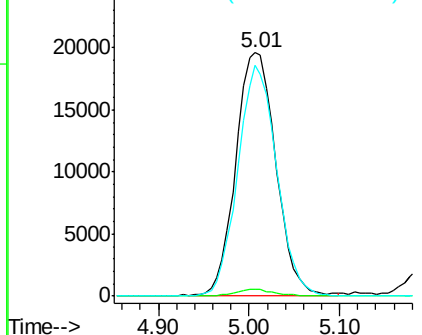


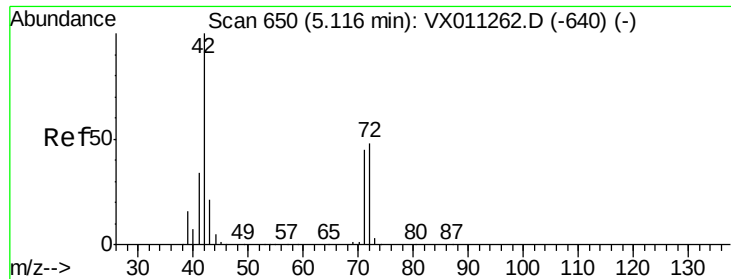
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





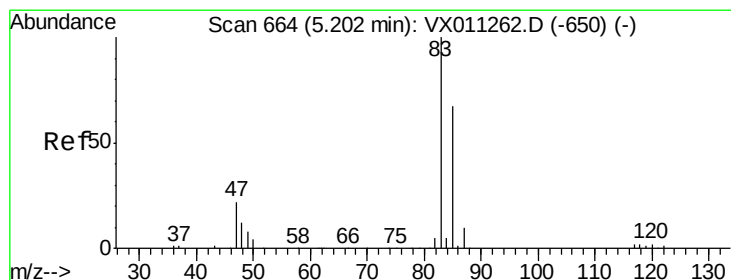
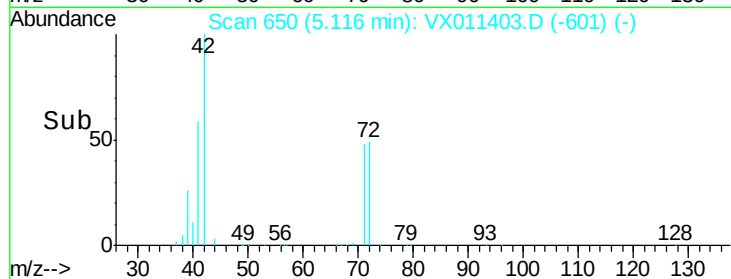
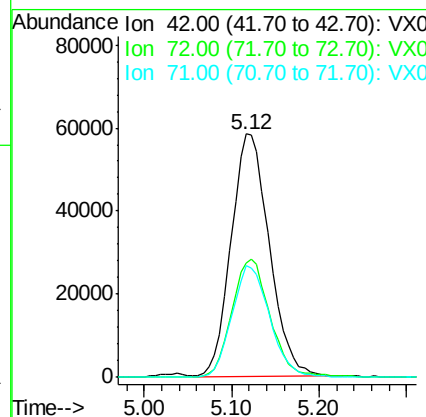
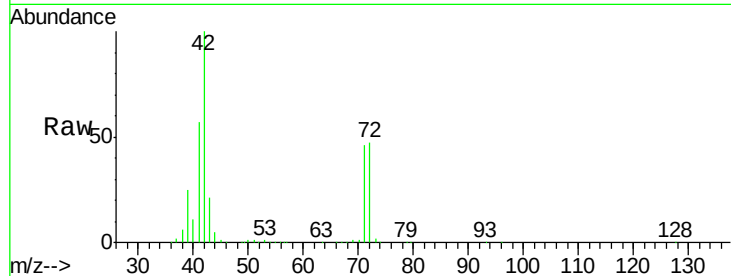
#29
Tetrahydrofuran
Concen: 255.606 ug/l
RT: 5.12 min Scan# 650
Delta R.T. -0.00 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.1	39.9	59.9
71	45.4	36.9	55.3

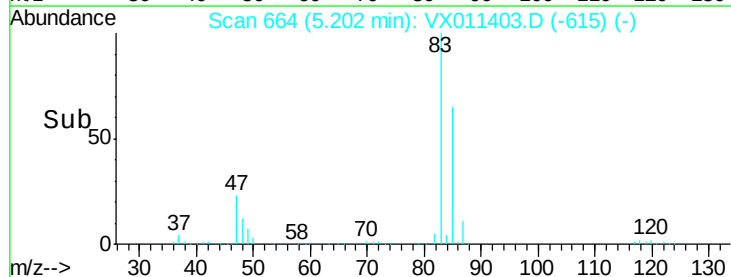
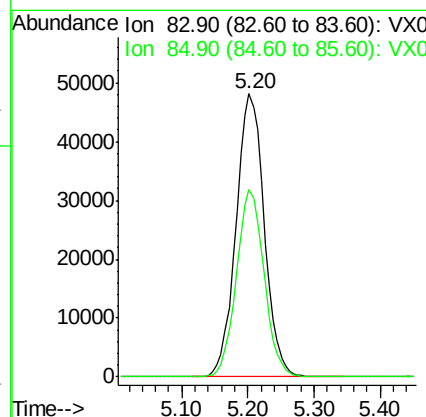
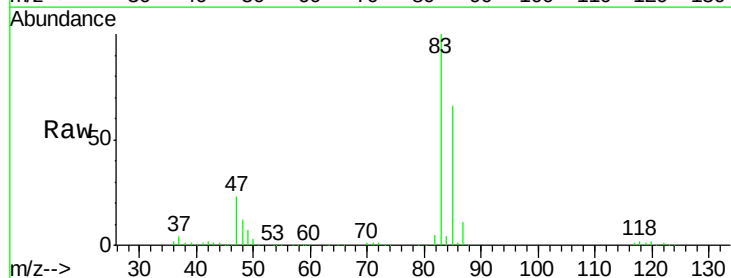
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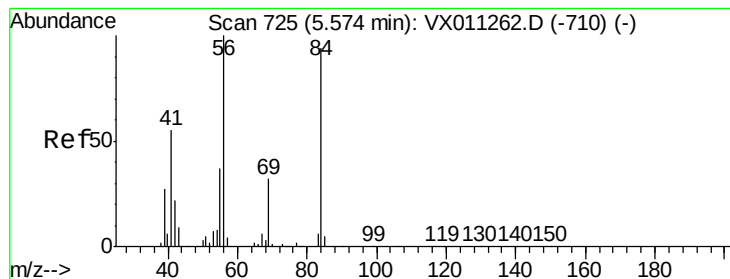
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#30
Chloroform
Concen: 50.079 ug/l
RT: 5.20 min Scan# 664
Delta R.T. -0.00 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	53.4	80.0





#31

Cyclohexane

Concen: 46.494 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Instrument :

MSVOA_X

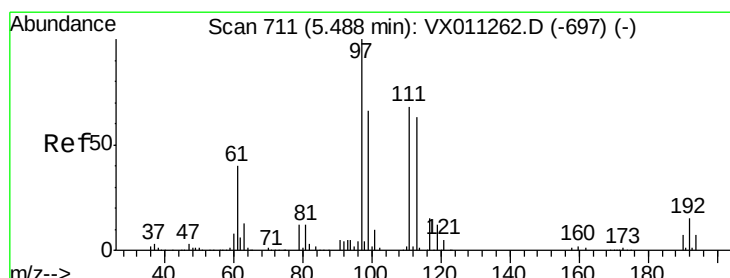
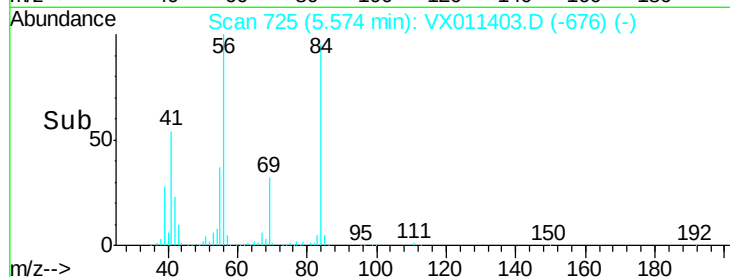
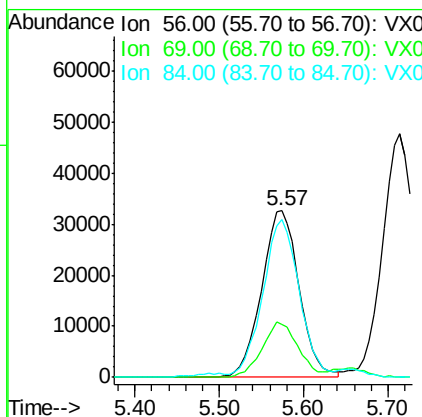
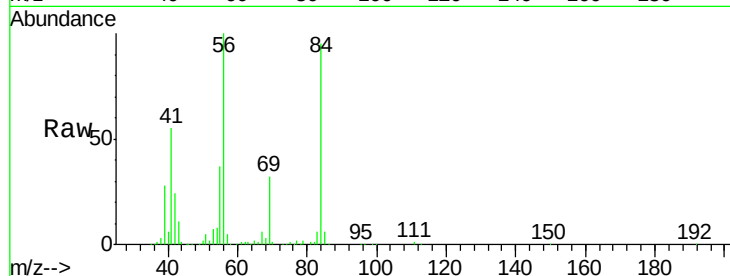
ClientSampleId :

EP1-MW-K-0819MS

Tot Ion:	56	Resp:	100233
Ion	Ratio	Lower	Upper
56	100		
69	31.4	25.5	38.3
84	94.0	75.0	112.4

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#32

1,1,1-Trichloroethane

Concen: 50.810 ug/l

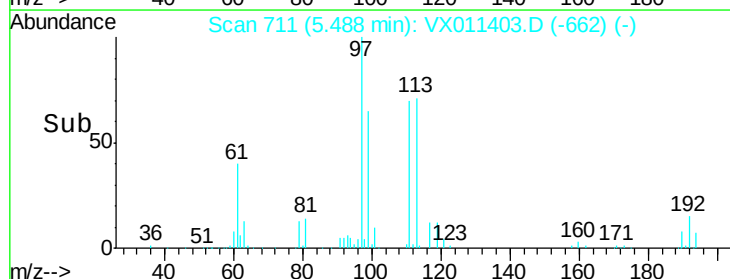
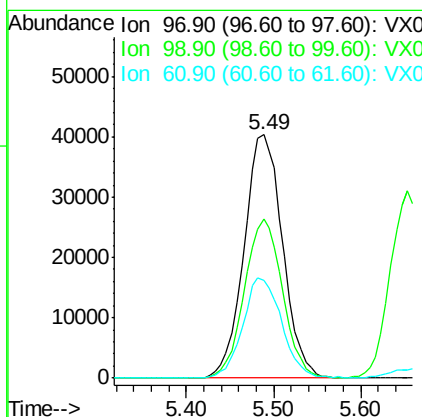
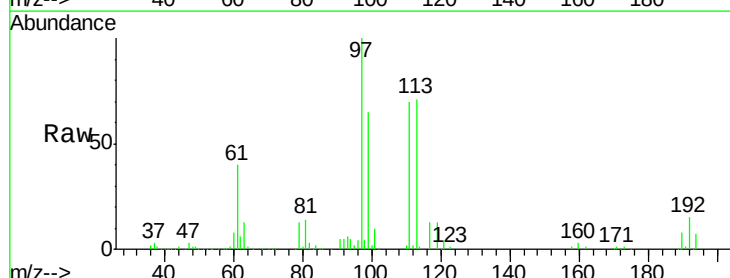
RT: 5.49 min Scan# 711

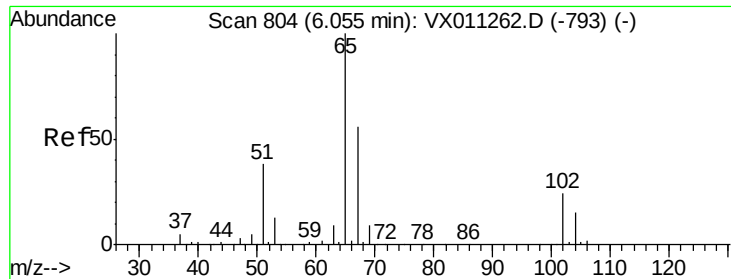
Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Tgt Ion:	97	Resp:	123615
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.6	77.4
61	41.6	32.3	48.5





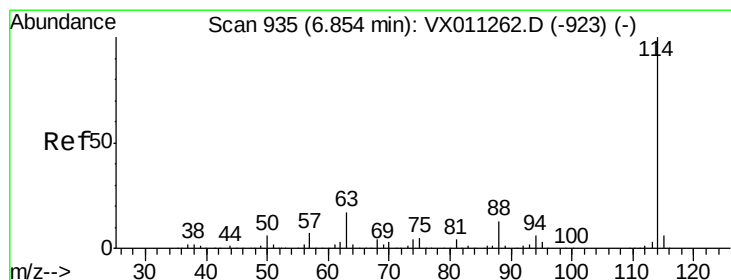
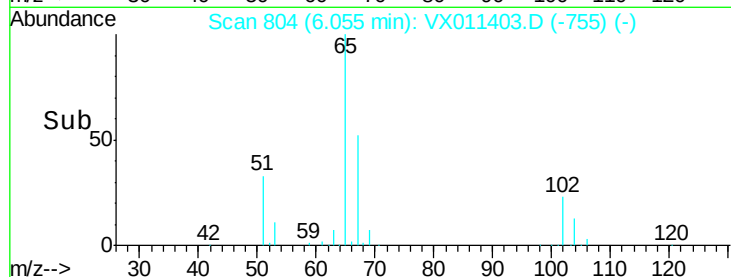
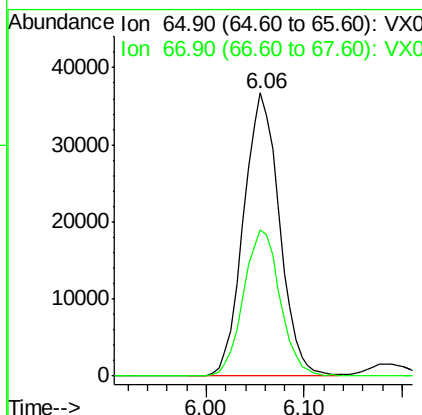
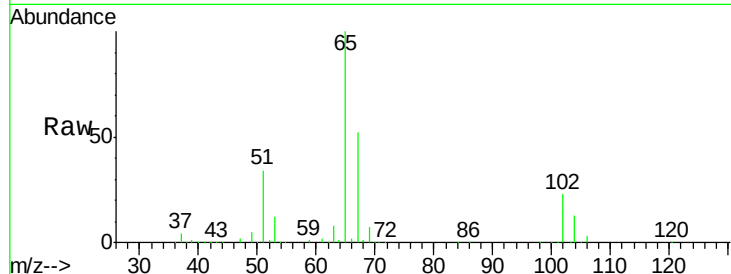
#33
 1,2-Dichloroethane-d4
 Concen: 56.267 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX011403.D
 Acq: 09 Aug 2019 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	110.6

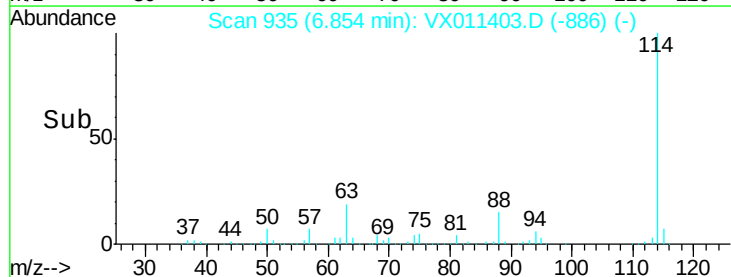
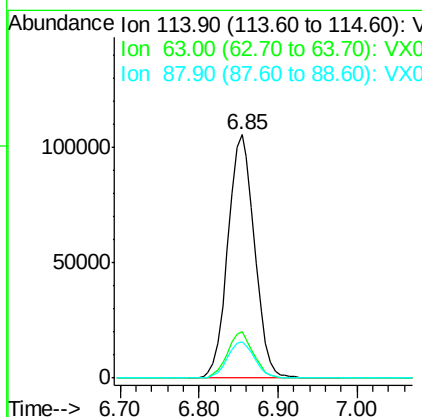
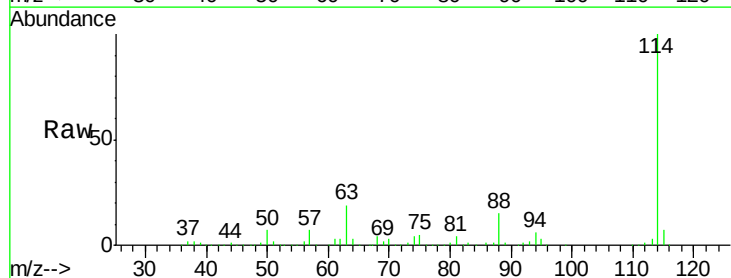
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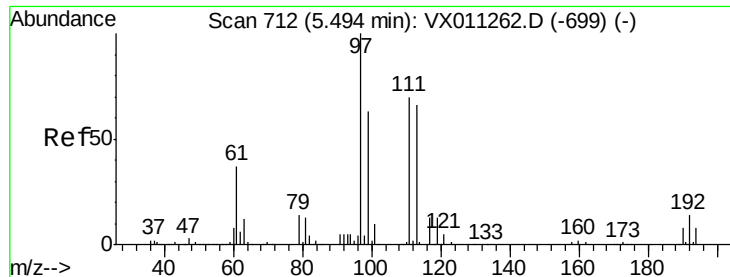
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX011403.D
 Acq: 09 Aug 2019 12:35

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	34.0
88	14.8	0.0	26.4





#35

Dibromofluoromethane

Concen: 50.911 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Instrument :

MSVOA_X

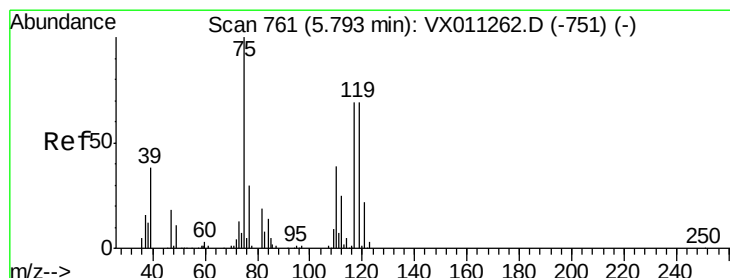
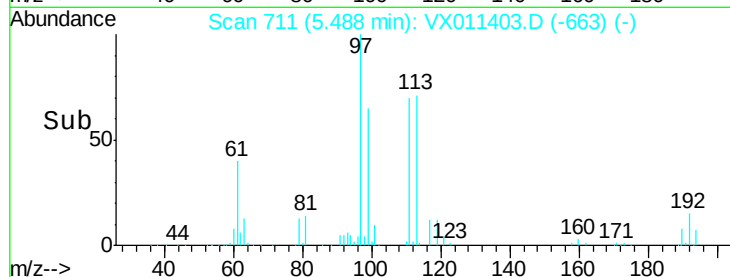
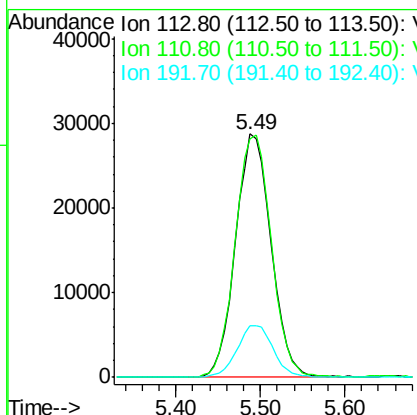
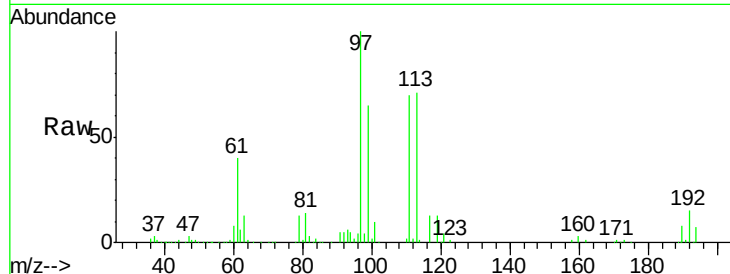
ClientSampleId :

EP1-MW-K-0819MS

Tot Ion:	113	Resp:	82092
Ion Ratio	Lower	Upper	
113	100		
111	101.2	81.9	122.9
192	21.6	17.8	26.8

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#36

1,1-Dichloropropene

Concen: 45.193 ug/l

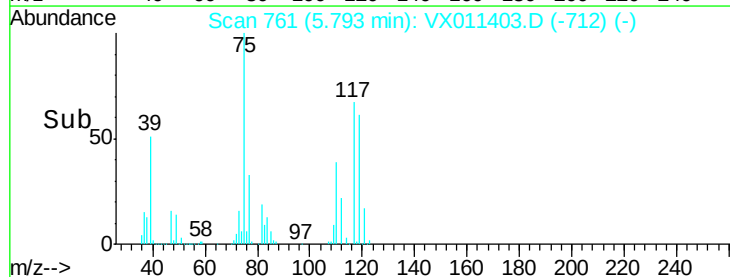
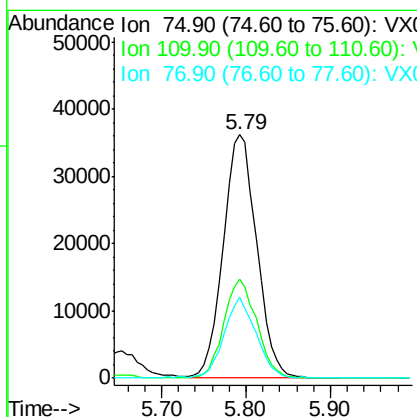
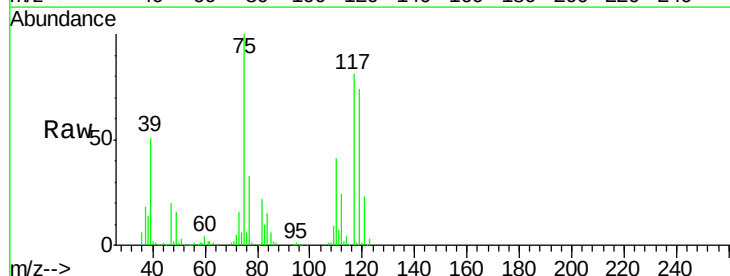
RT: 5.79 min Scan# 761

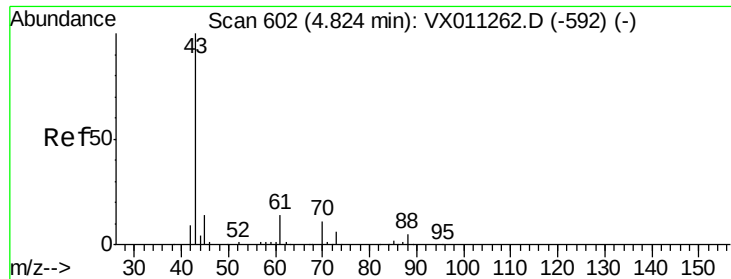
Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Tgt Ion:	75	Resp:	97451
Ion Ratio	Lower	Upper	
75	100		
110	40.1	20.0	59.9
77	31.9	24.8	37.2





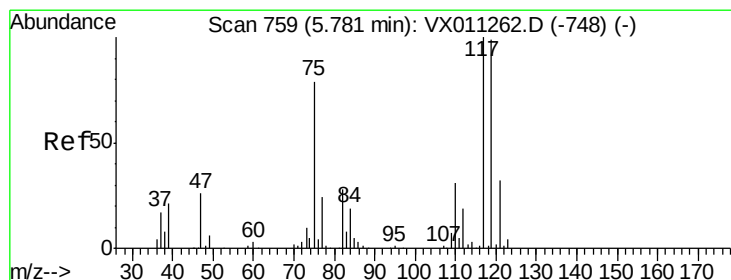
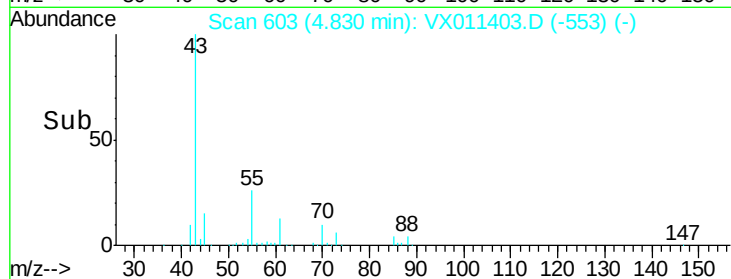
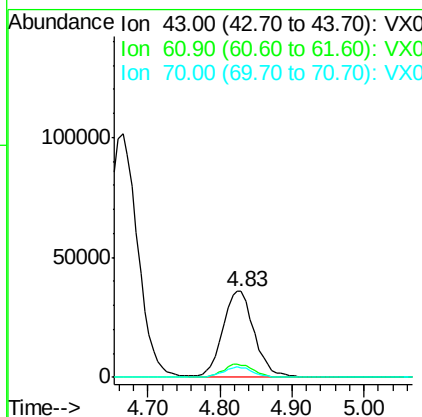
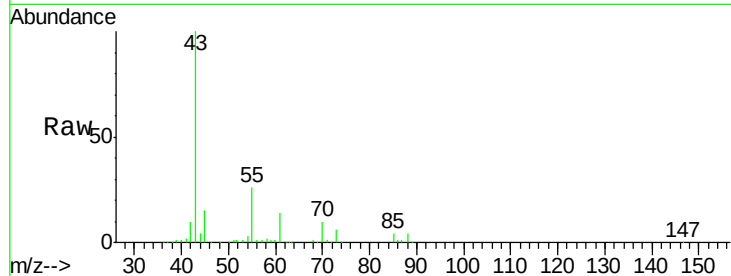
#37
Ethyl Acetate
Concen: 49.925 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.01 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.6	18.8
70	11.5	9.1	13.7

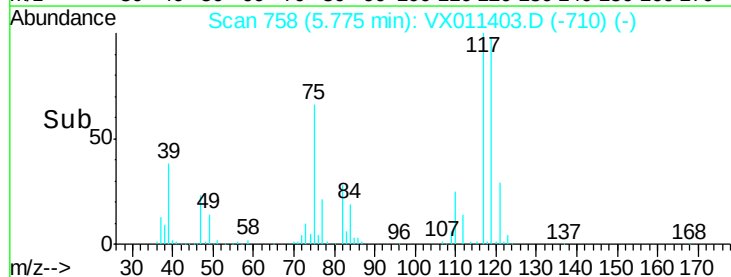
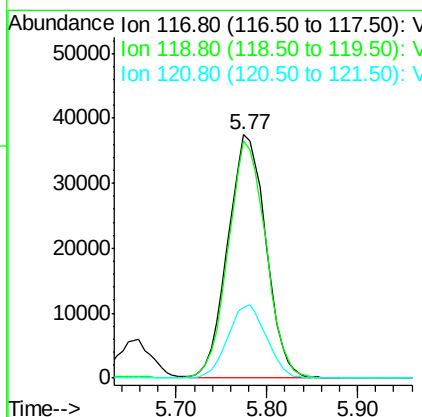
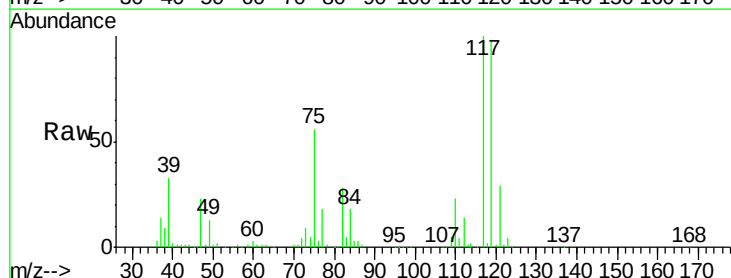
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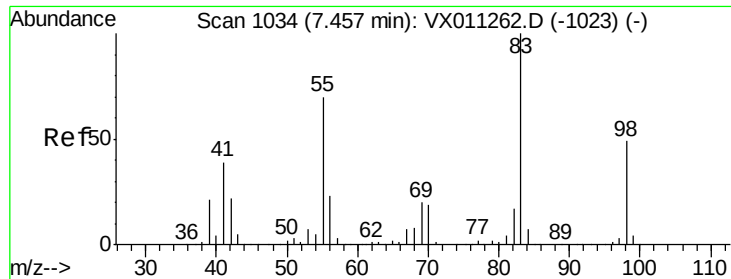
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#38
Carbon Tetrachloride
Concen: 50.534 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	79.0	118.4
121	29.1	25.9	38.9





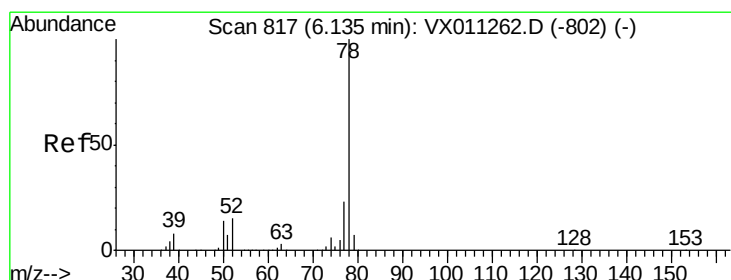
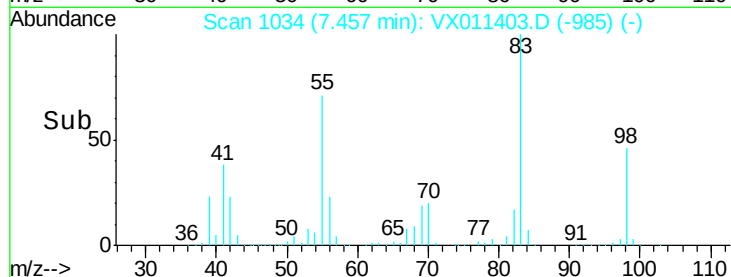
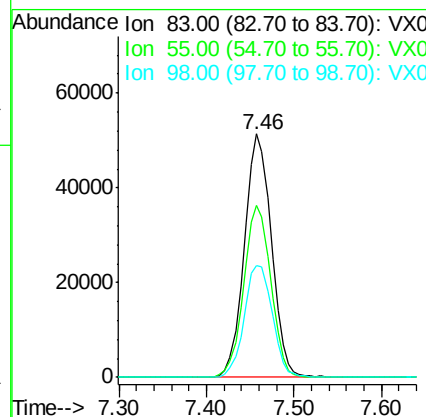
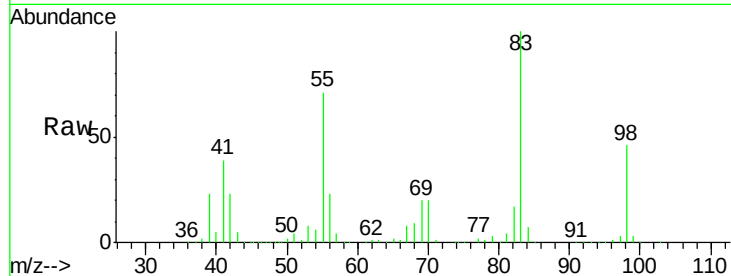
#39
Methylvlcyclohexane
Concen: 43.210 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	70.7	56.1	84.1	
98	46.0	39.0	58.4	

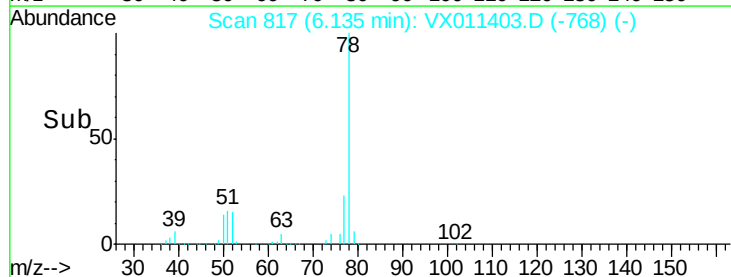
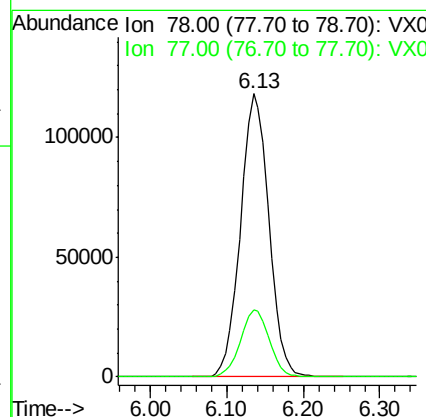
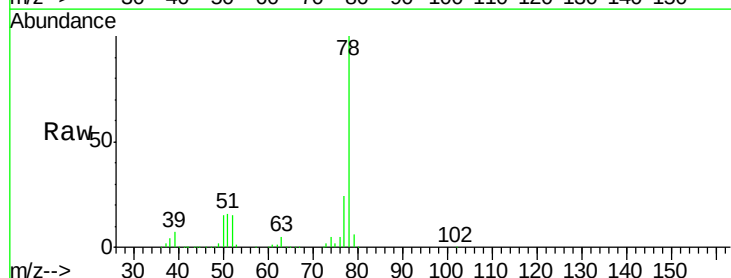
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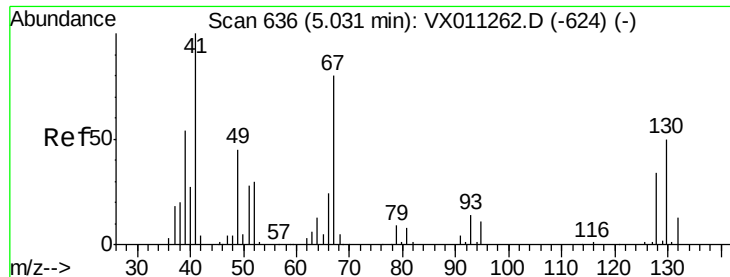
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#40
Benzene
Concen: 47.221 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.00 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	18.2	27.2	





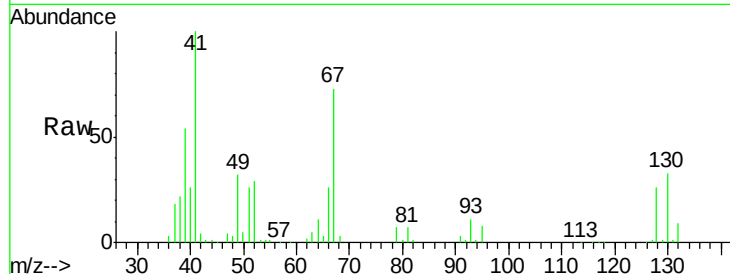
#41
Methacrylonitrile
Concen: 51.076 ug/l
RT: 5.04 min Scan# 637
Delta R.T. 0.01 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	43.0	64.6	
67	75.5	65.1	97.7	
52	31.2	24.8	37.2	

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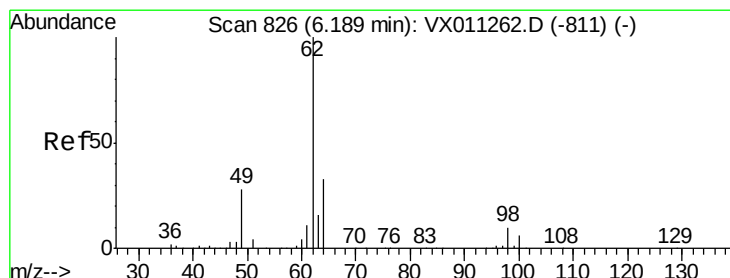
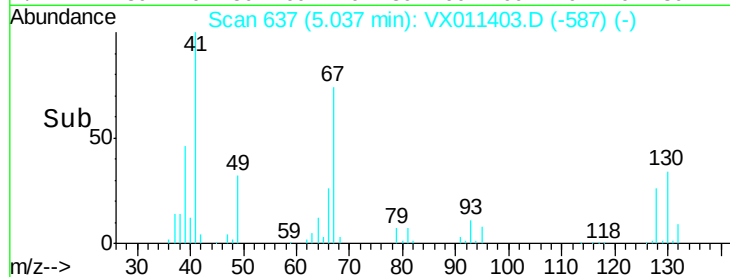
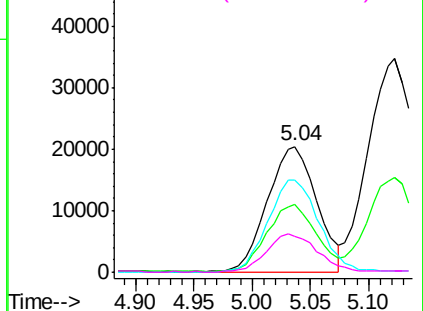
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

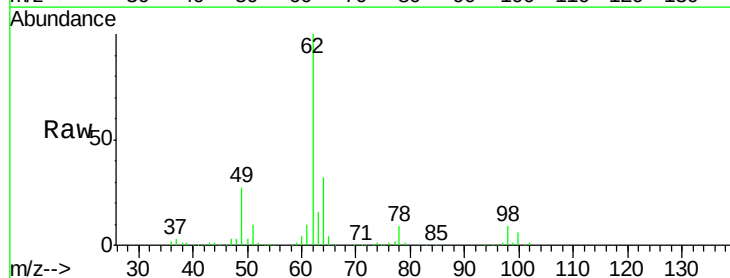
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 50.871 ug/l
RT: 6.18 min Scan# 825
Delta R.T. -0.01 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

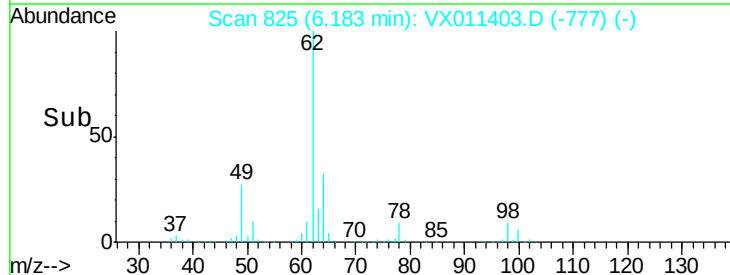
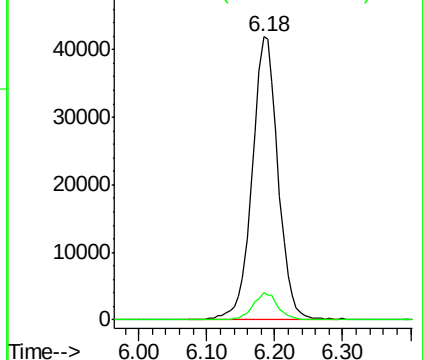
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	20.6	

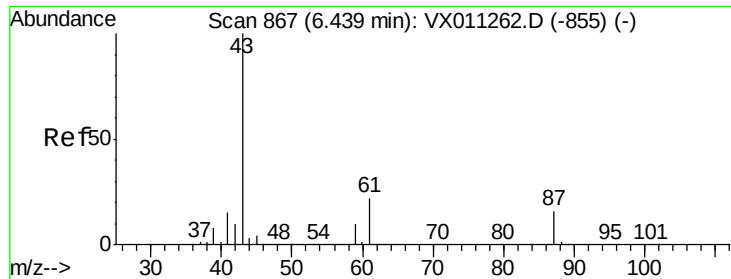


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 49.930 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Instrument :

MSVOA_X

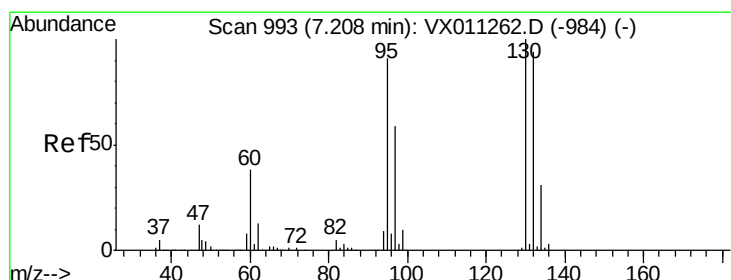
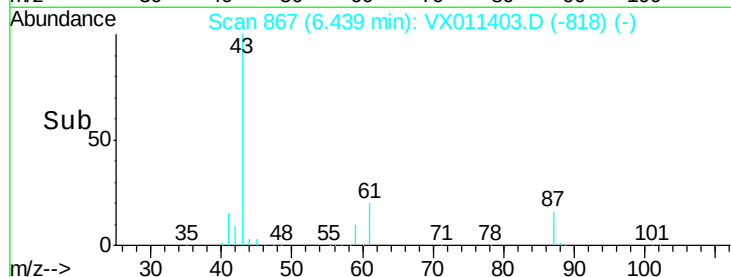
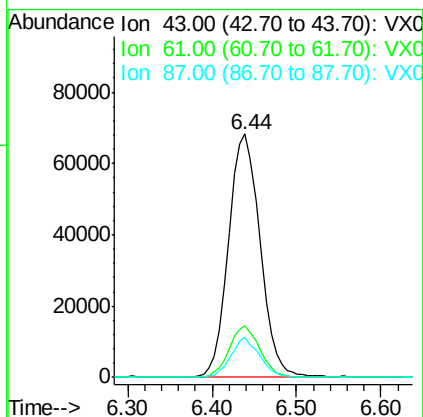
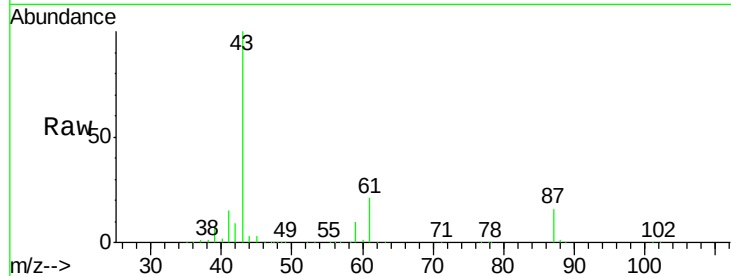
ClientSampleId :

EP1-MW-K-0819MS

Tot Ion:	43	Resp:	172663
Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.5	24.7
87	14.9	12.1	18.1

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#44

Trichloroethene

Concen: 45.584 ug/l

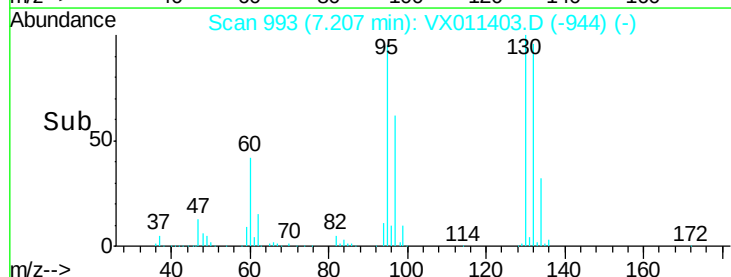
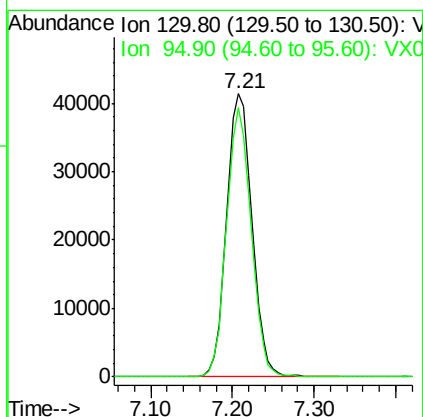
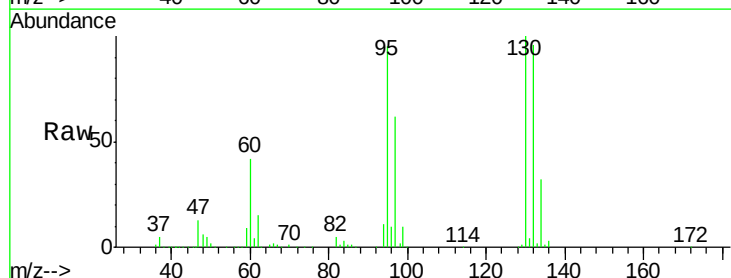
RT: 7.21 min Scan# 993

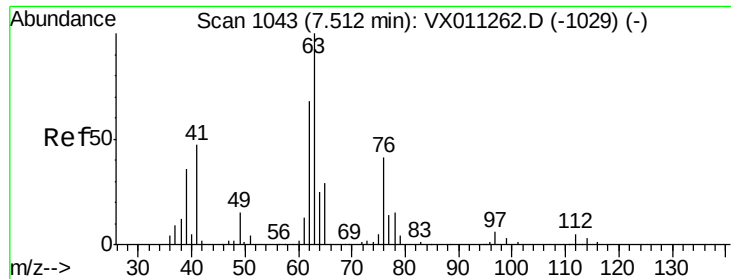
Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Tgt Ion:	130	Resp:	88784
Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	182.6





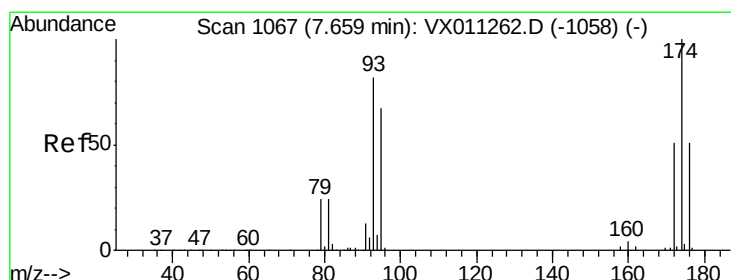
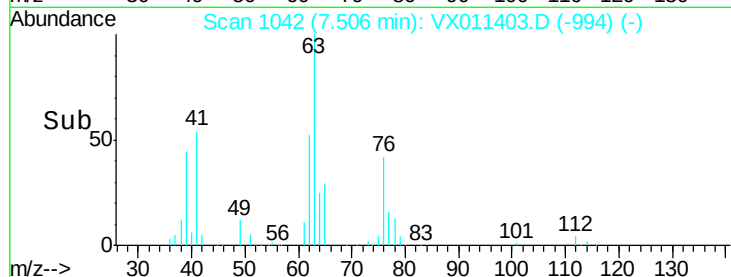
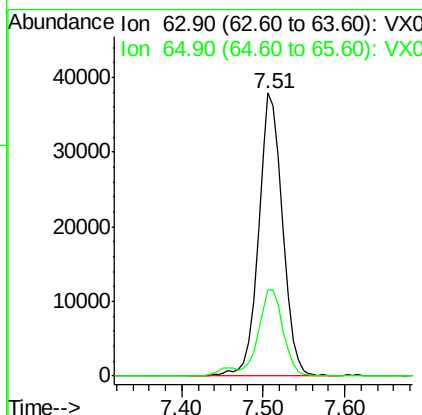
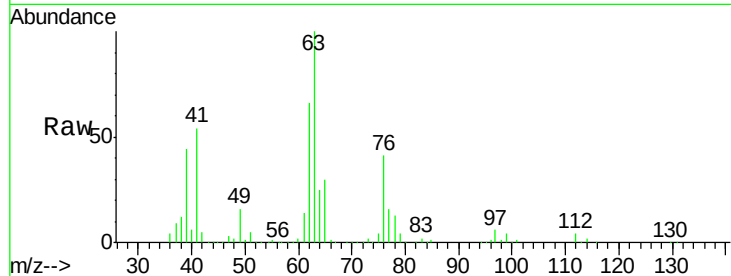
#45
 1,2-Dichloropropane
 Concen: 46.666 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX011403.D
 Acq: 09 Aug 2019 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MS

Tot Ion: 63 Resp: 77767
 Ion Ratio Lower Upper
 63 100
 65 30.5 23.3 34.9

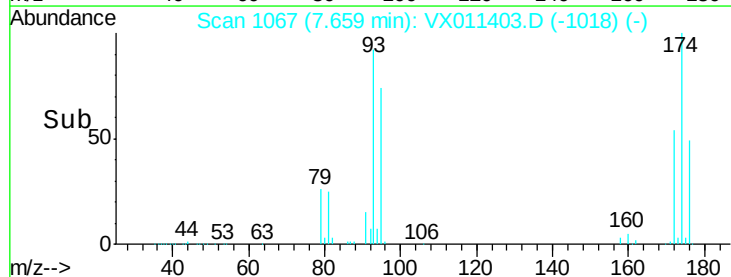
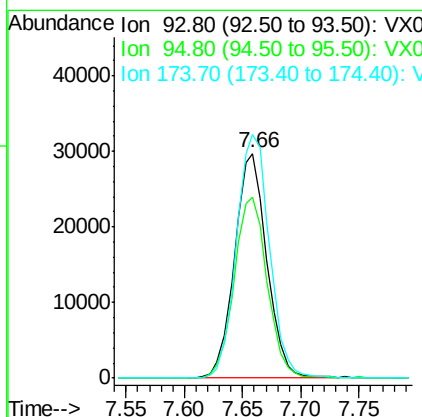
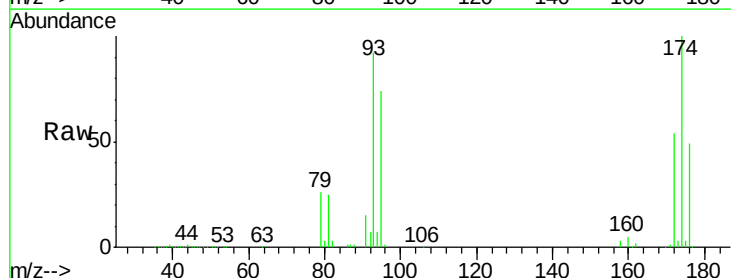
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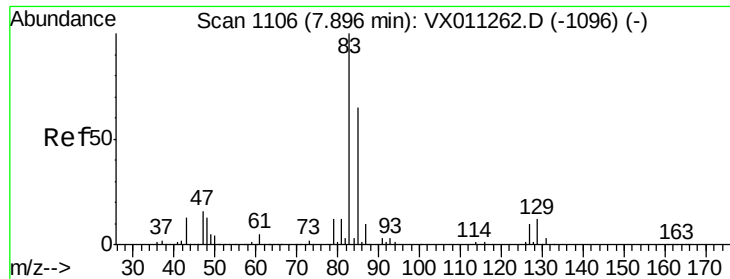
MMDadoda
 8/12/2019 12:49:58 PM



#46
 Dibromomethane
 Concen: 47.147 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX011403.D
 Acq: 09 Aug 2019 12:35

Tgt Ion: 93 Resp: 57357
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.4 99.6
 174 111.4 93.4 140.2





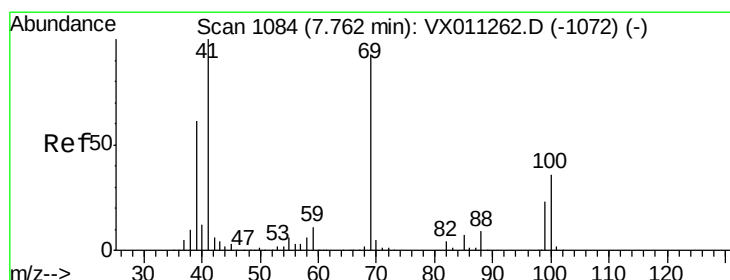
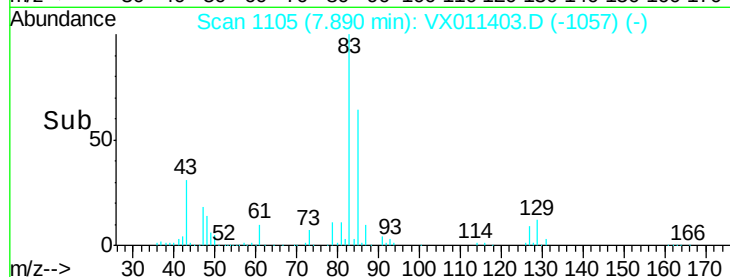
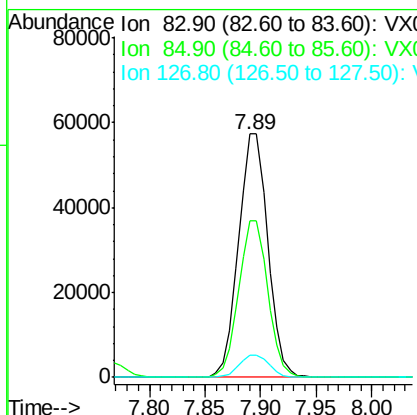
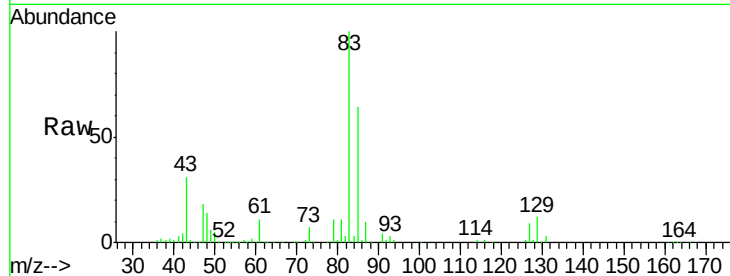
#47
 Bromodichloromethane
 Concen: 51.022 ug/l
 RT: 7.89 min Scan# 1105
 Delta R.T. -0.01 min
 Lab File: VX011403.D
 Acq: 09 Aug 2019 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MS

Tot Ion	83	Resp	105091
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	52.2	78.2
127	9.3	7.8	11.8

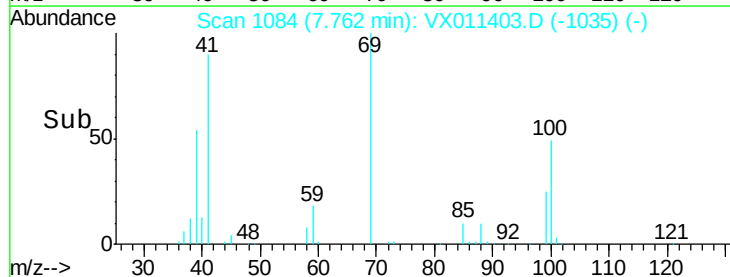
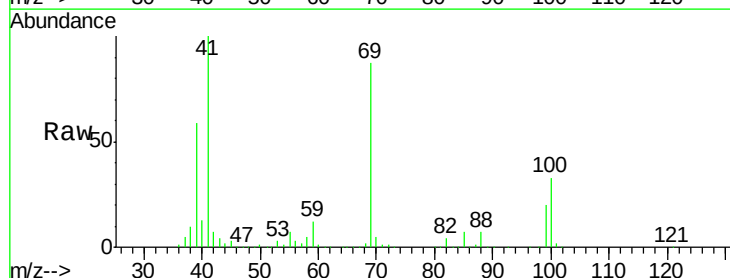
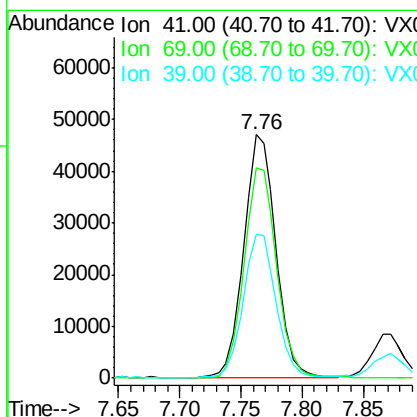
Manual Integrations
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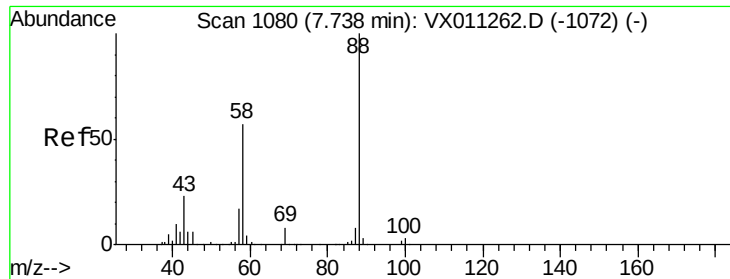
MMDadoda
 8/12/2019 12:49:58 PM



#48
 Methyl methacrylate
 Concen: 52.369 ug/l
 RT: 7.76 min Scan# 1084
 Delta R.T. -0.00 min
 Lab File: VX011403.D
 Acq: 09 Aug 2019 12:35

Tgt Ion	41	Resp	85227
Ion Ratio	100	Lower	Upper
41	100		
69	89.0	74.5	111.7
39	60.1	48.6	72.8





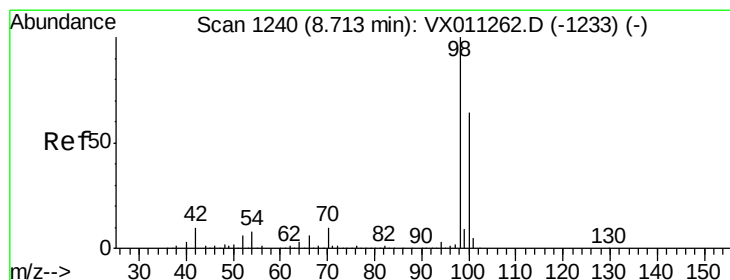
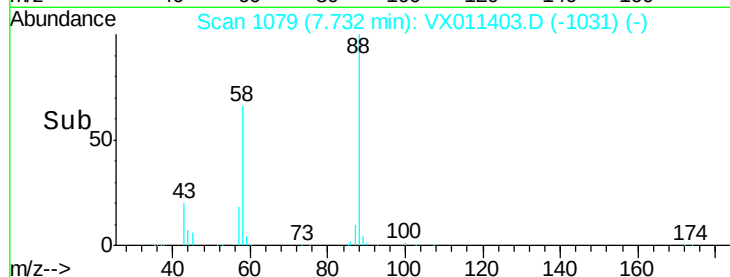
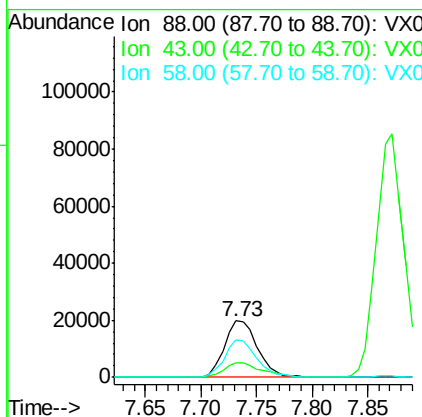
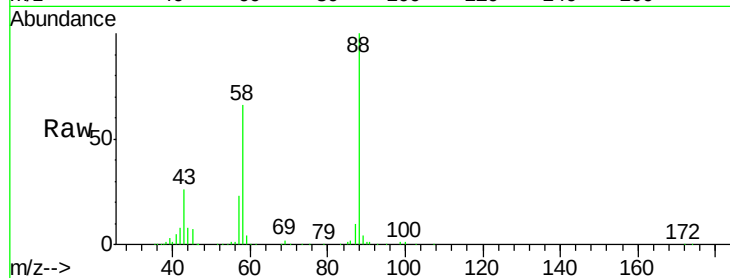
#49
1,4-Dioxane
Concen: 862.098 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.3	22.2	33.2
58	65.4	47.8	71.8

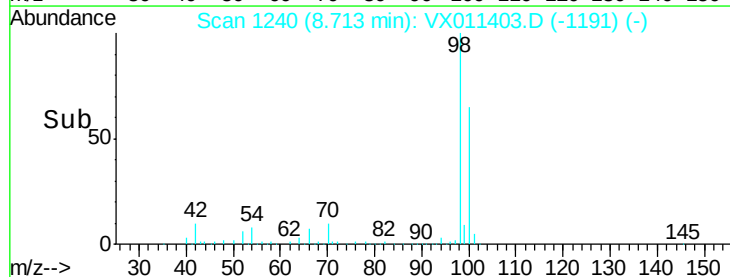
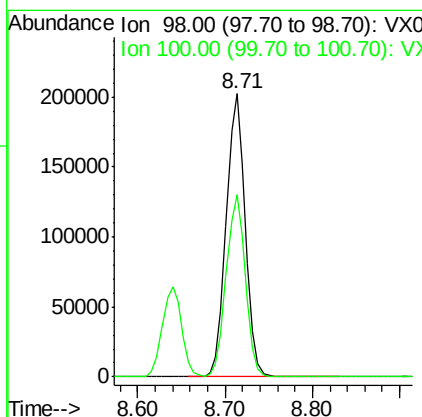
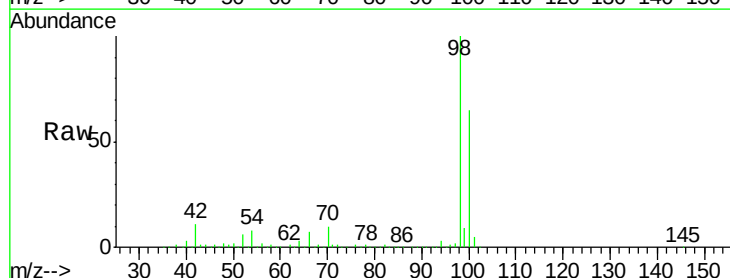
Manual Integrations
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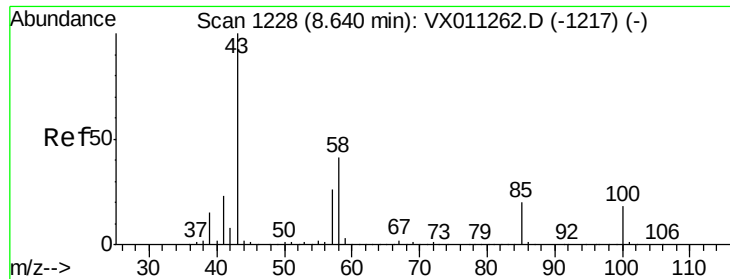
MMDadoda
8/12/2019 12:49:58 PM



#50
Toluene-d8
Concen: 50.005 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 263.156 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX011403.D

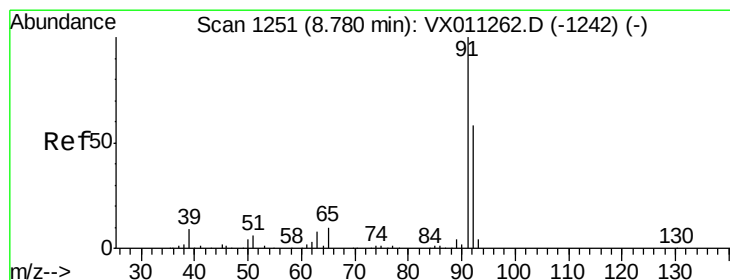
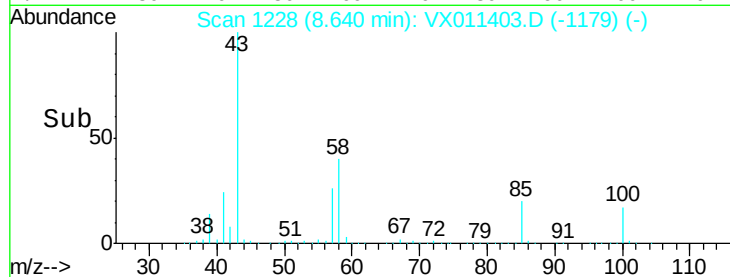
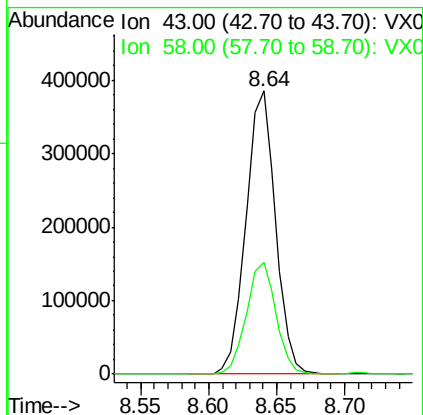
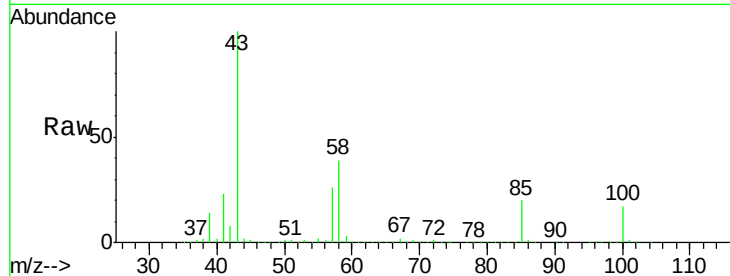
Acq: 09 Aug 2019 12:35

Instrument :
MSVOA_X
ClientSampled :
EP1-MW-K-0819MS

Tot Ion	43	Resp	587289
Ion Ratio	100	Lower	Upper
43	100		
58	39.6	32.3	48.5

Manual Integrations
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#52

Toluene

Concen: 47.501 ug/l

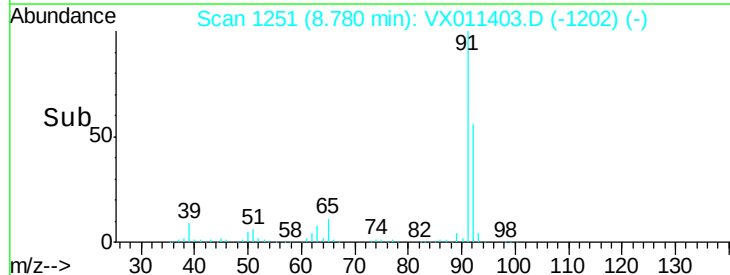
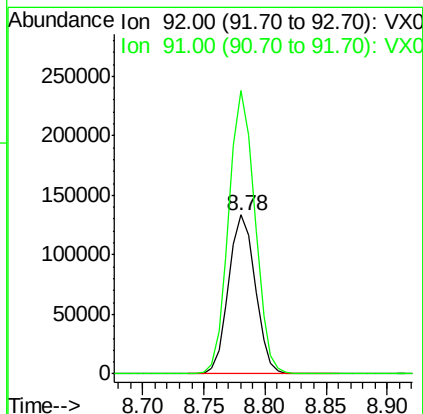
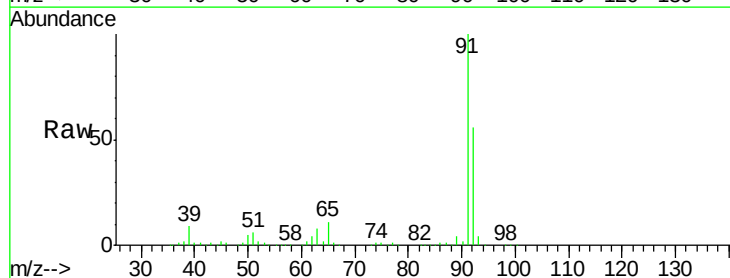
RT: 8.78 min Scan# 1251

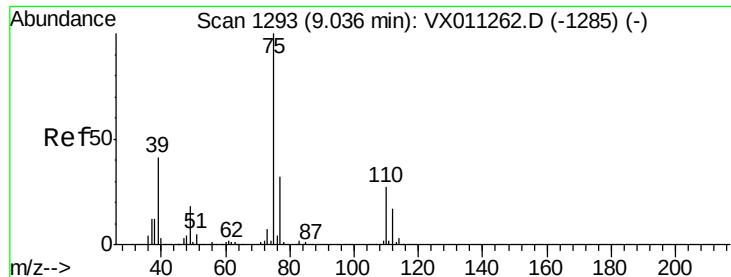
Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Tgt Ion	92	Resp	202088
Ion Ratio	100	Lower	Upper
92	100		
91	174.8	139.4	209.0





#53

t-1,3-Dichloropropene

Concen: 46.852 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MS

Tot Ion: 75 Resp: 111930

Ion Ratio Lower Upper

75 100

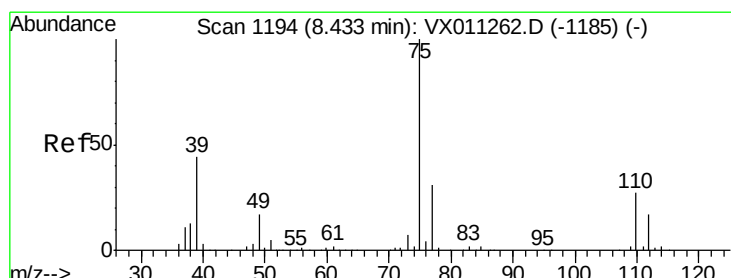
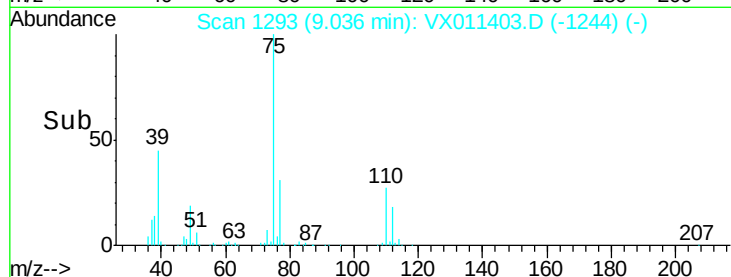
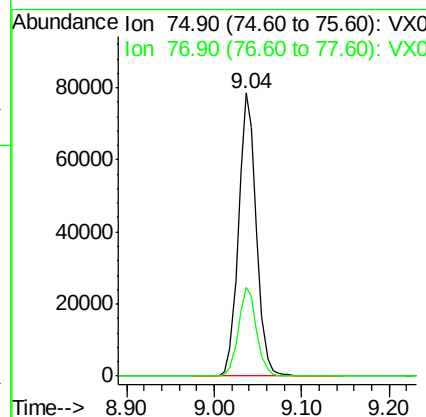
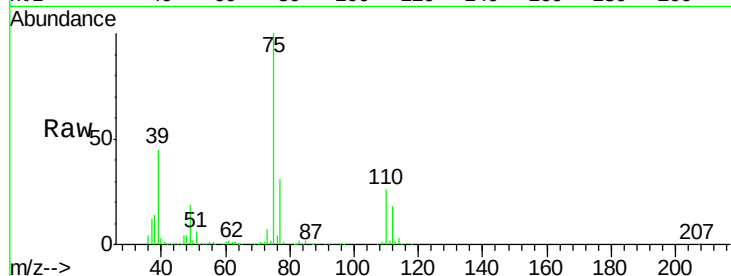
77 31.4 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 51.513 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

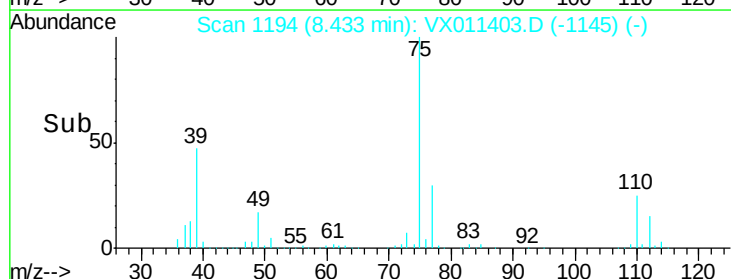
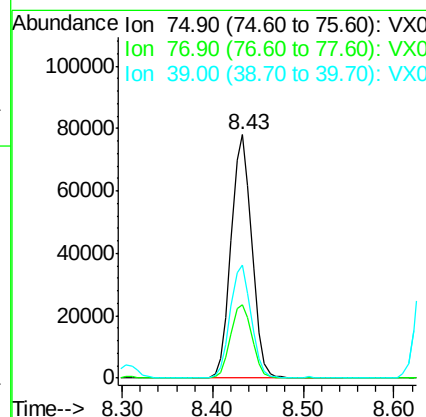
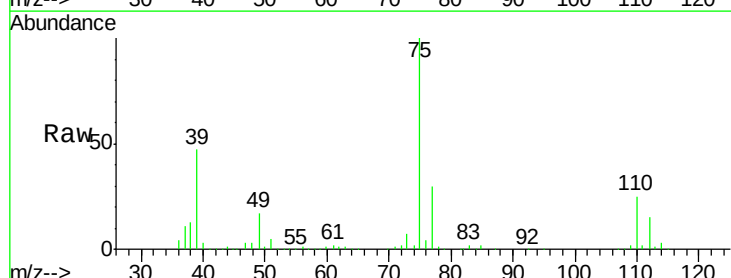
Tgt Ion: 75 Resp: 123939

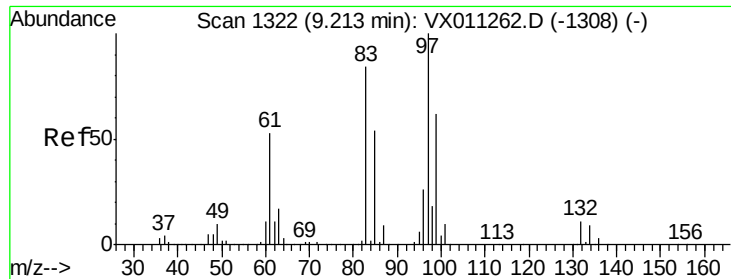
Ion Ratio Lower Upper

75 100

77 30.1 25.0 37.6

39 46.5 35.3 52.9





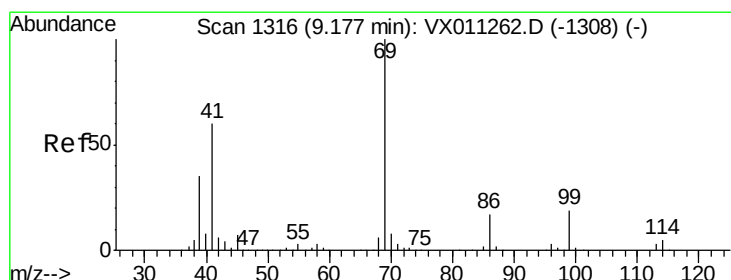
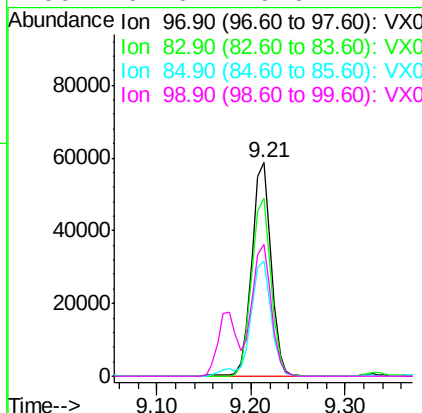
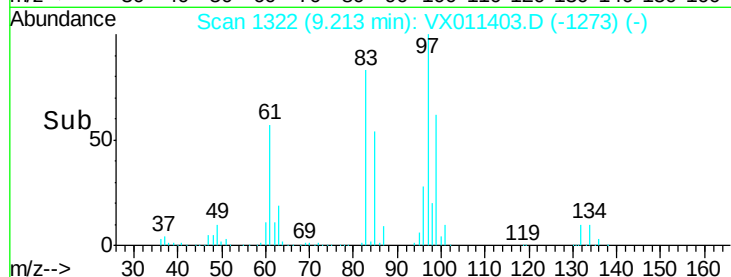
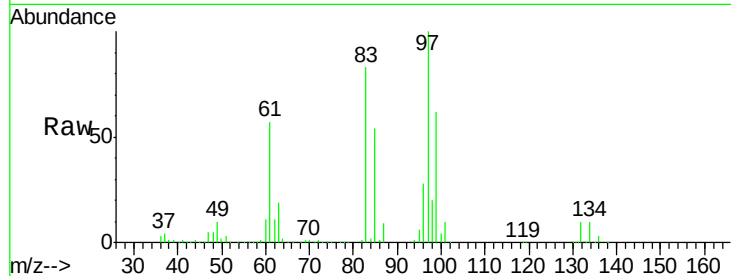
#55
 1,1,2-Trichloroethane
 Concen: 48.989 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX011403.D
 Acq: 09 Aug 2019 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		85693		
83	83.5	67.6	101.4		
85	53.7	43.4	65.0		
99	61.6	49.6	74.4		

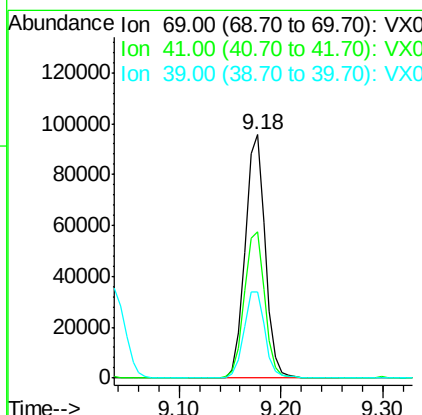
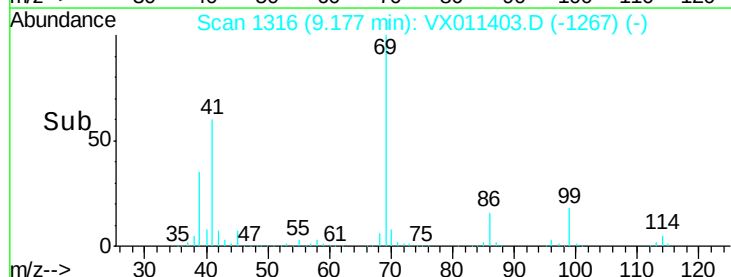
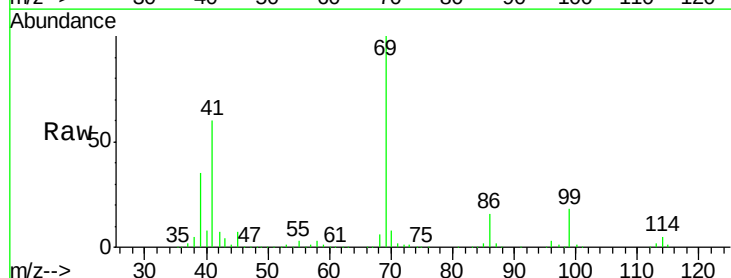
Manual Integrations
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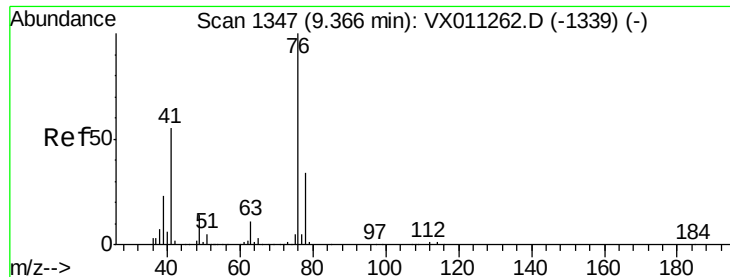
MMDadoda
 8/12/2019 12:49:58 PM



#56
 Ethyl methacrylate
 Concen: 52.296 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX011403.D
 Acq: 09 Aug 2019 12:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		130361		
41	61.6	48.6	73.0		
39	36.8	29.4	44.2		





#57

1,3-Dichloropropane

Concen: 48.621 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX011403.D

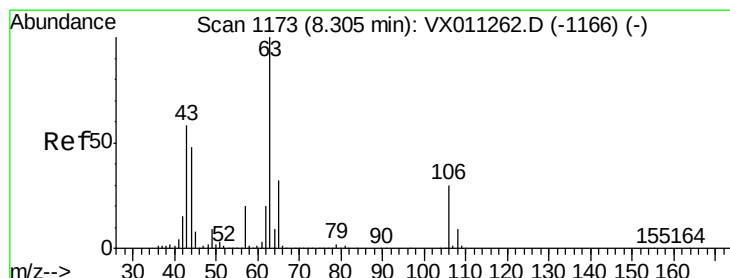
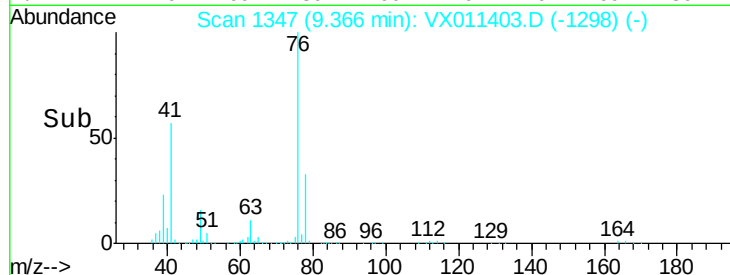
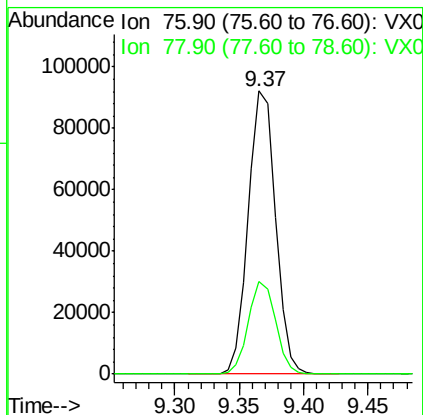
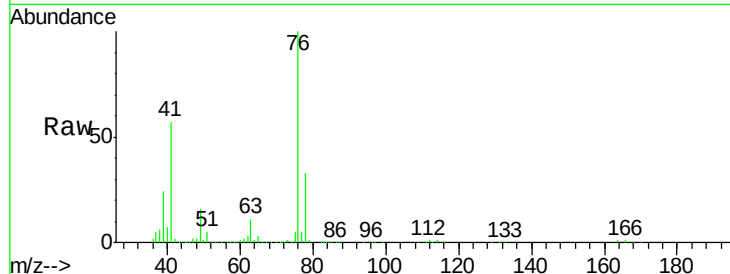
Acq: 09 Aug 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.6	40.0

Manual Integrations
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MMDadoda
8/12/2019 12:49:58 PM



#58

2-Chloroethyl Vinyl ether

Concen: 253.910 ug/l

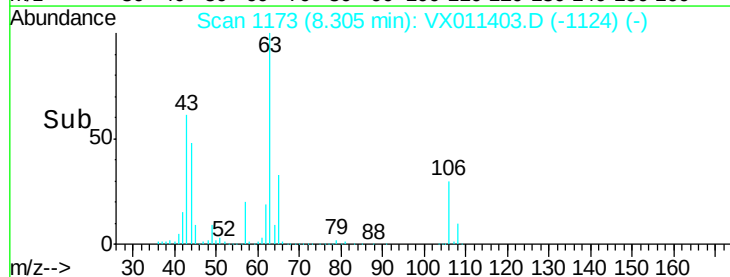
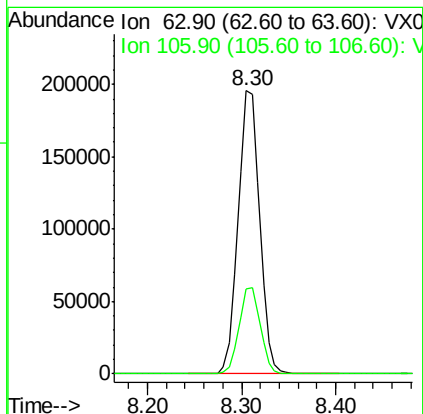
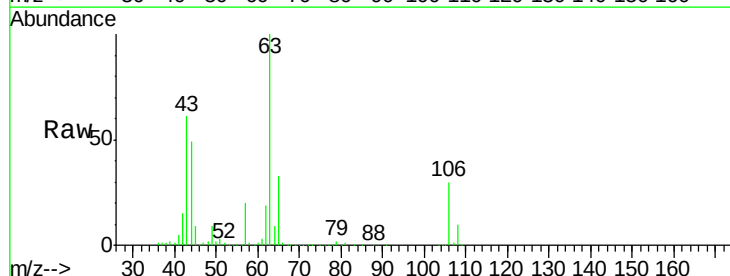
RT: 8.30 min Scan# 1173

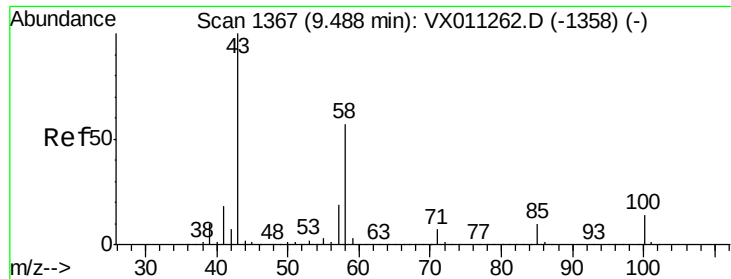
Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.1	24.4	36.6





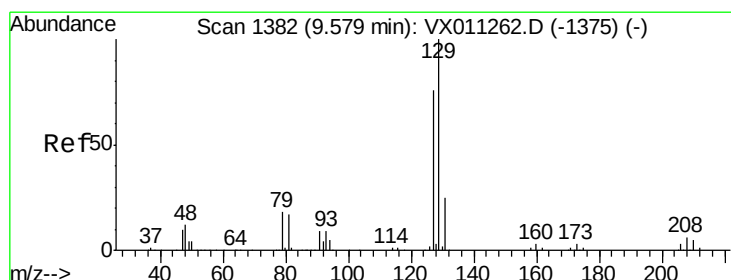
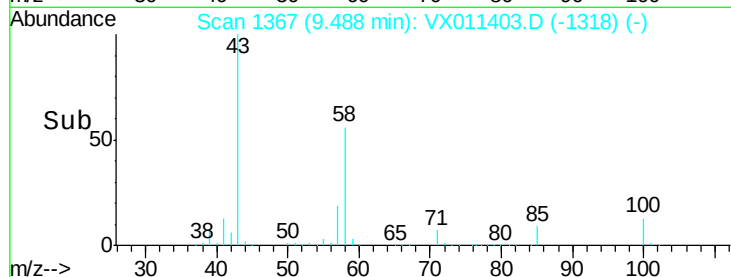
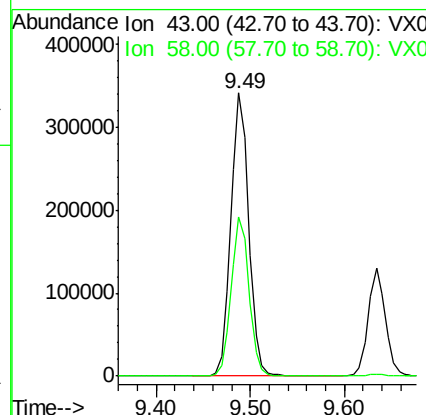
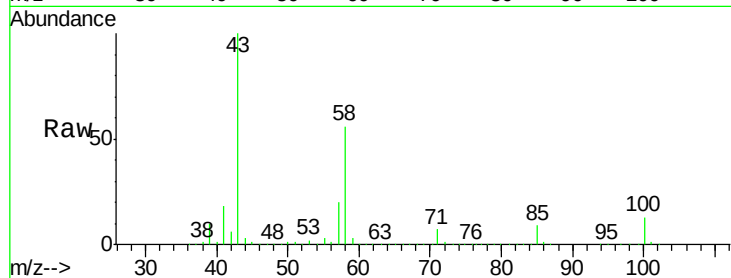
#59
2-Hexanone
Concen: 259.073 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

Instrument :
MSVOA_X
ClientSampled :
EP1-MW-K-0819MS

Tot Ion: 43 Resp: 447835
Ion Ratio Lower Upper
43 100
58 56.3 28.2 84.6

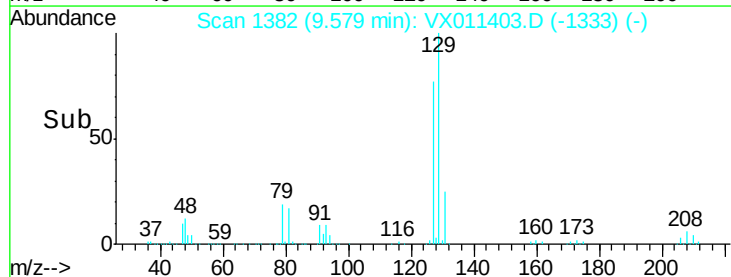
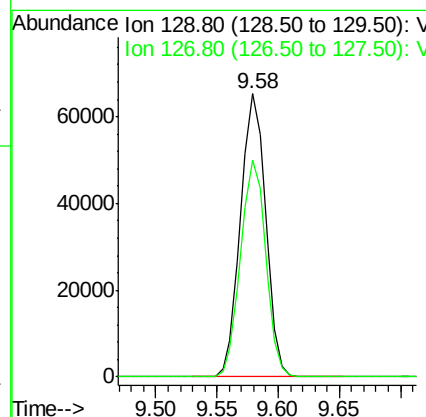
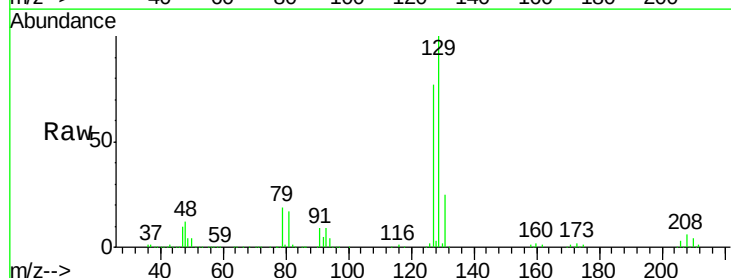
Manual Integrations
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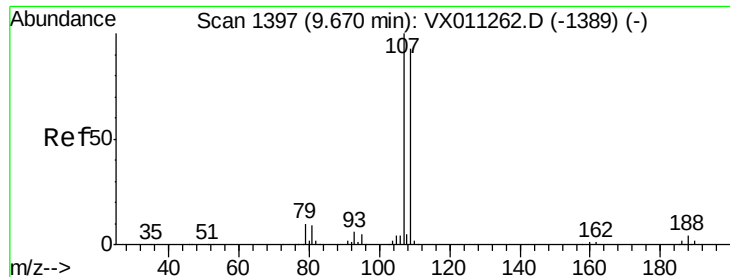
MMDadoda
8/12/2019 12:49:58 PM



#60
Dibromochloromethane
Concen: 52.027 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

Tgt Ion: 129 Resp: 93174
Ion Ratio Lower Upper
129 100
127 76.4 39.2 117.6





#61

1,2-Dibromoethane

Concen: 48.937 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MS

Tot Ion:107 Resp: 92483

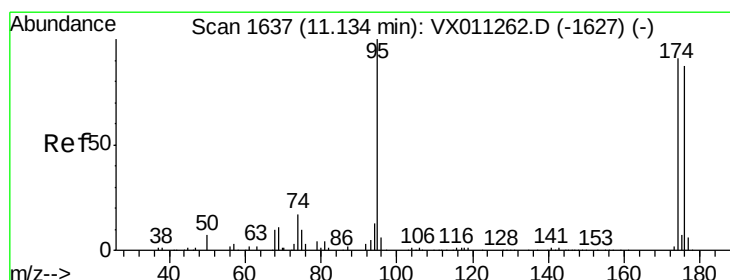
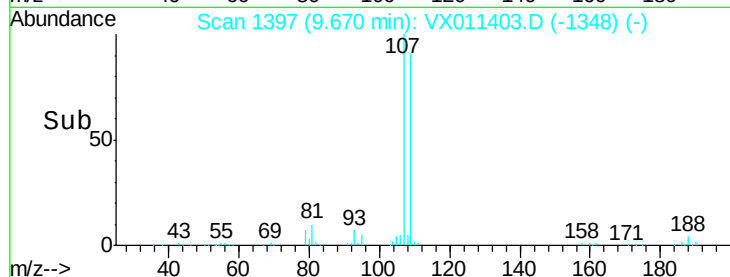
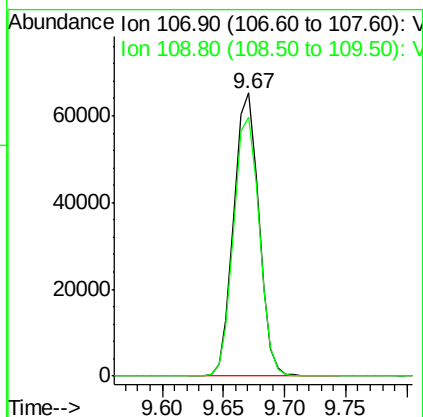
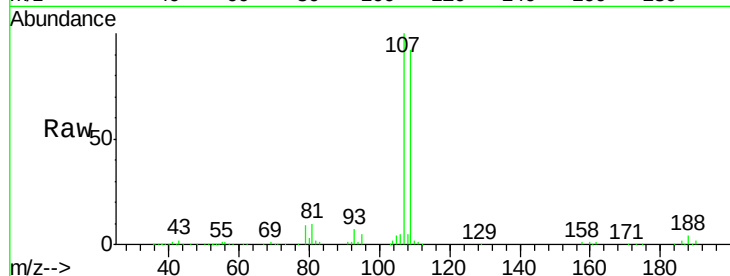
Ion Ratio Lower Upper

107 100

109 93.7 76.6 114.8

Manual Integrations
APPROVED

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8/12/2019 12:49:58 PM



#62

4-Bromofluorobenzene

Concen: 54.327 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

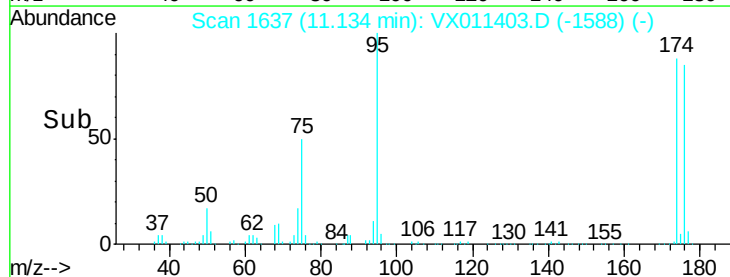
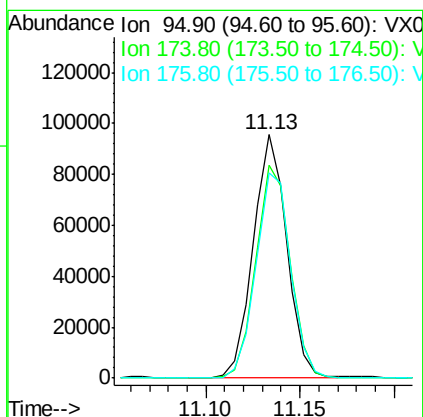
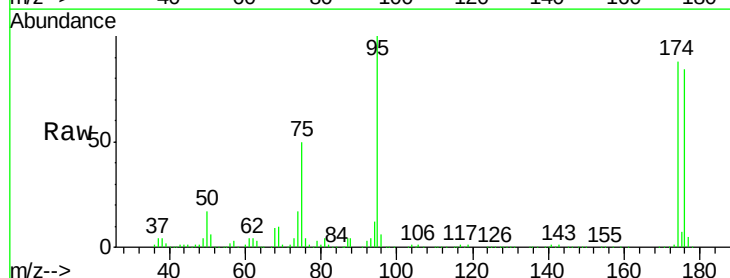
Tgt Ion: 95 Resp: 118056

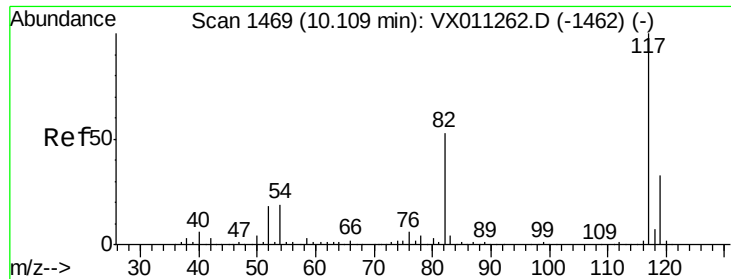
Ion Ratio Lower Upper

95 100

174 89.6 0.0 191.2

176 87.4 0.0 184.8





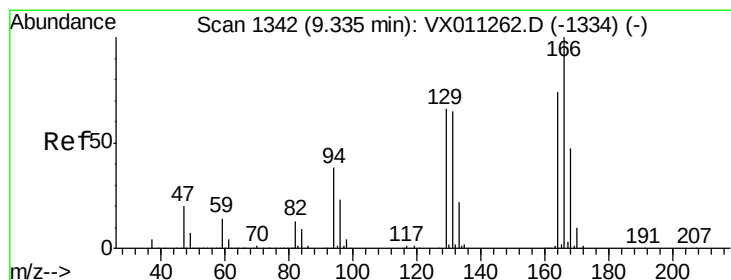
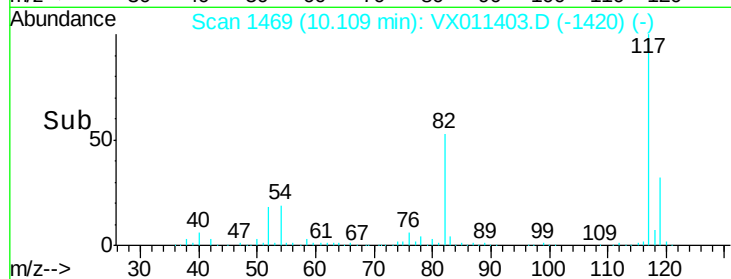
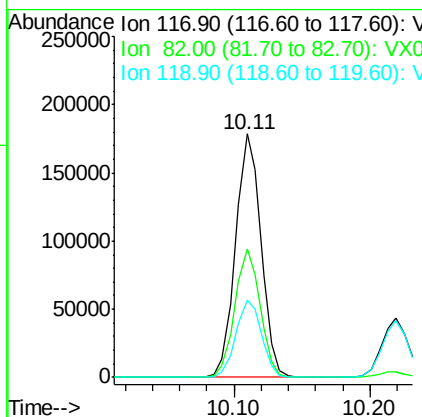
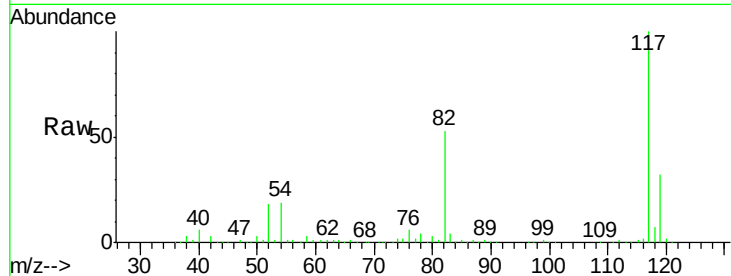
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MS

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.2	63.2
119	31.7	26.6	39.8

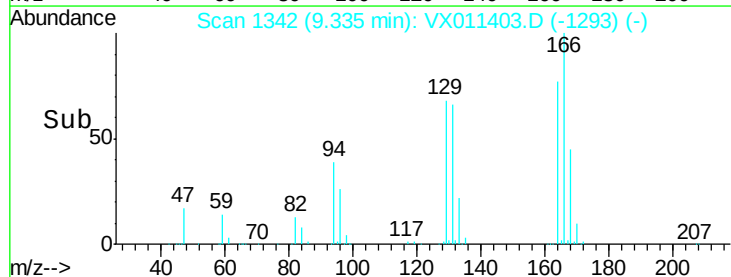
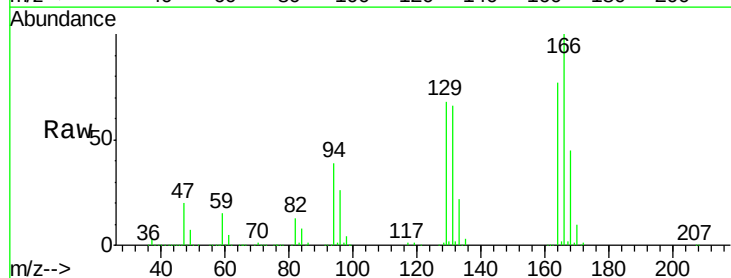
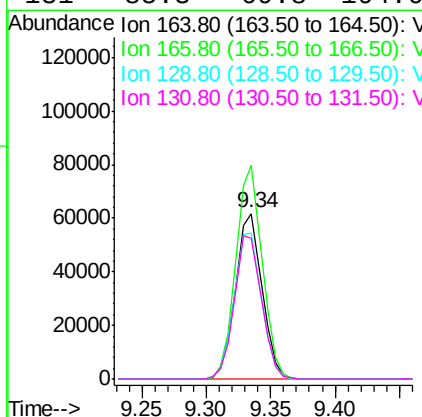
Manual Integrations
APPROVED

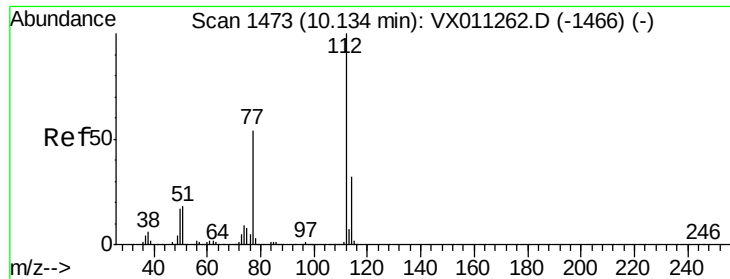
MMDadoda
8/12/2019 12:49:58 PM



#64
Tetrachloroethene
Concen: 45.191 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	107.5	161.3
129	88.2	71.0	106.4
131	85.3	69.8	104.6





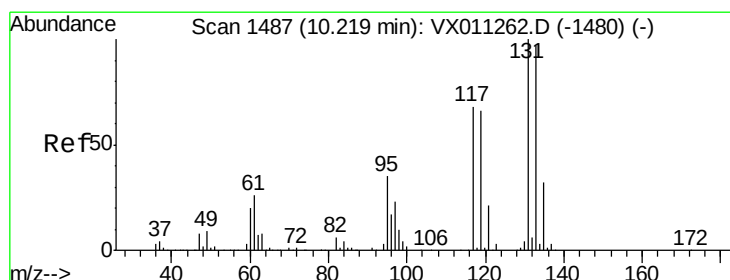
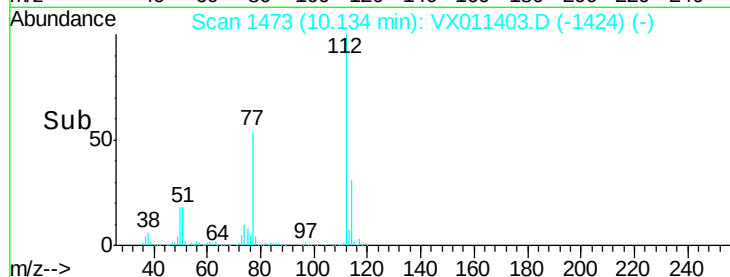
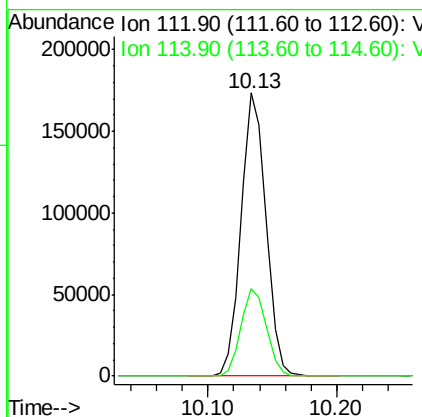
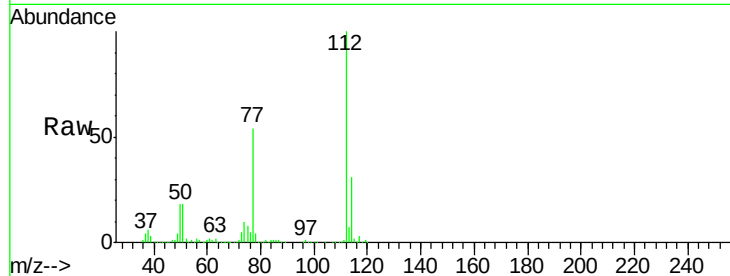
#65
Chlorobenzene
Concen: 46.524 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MS

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.8	25.9	38.9

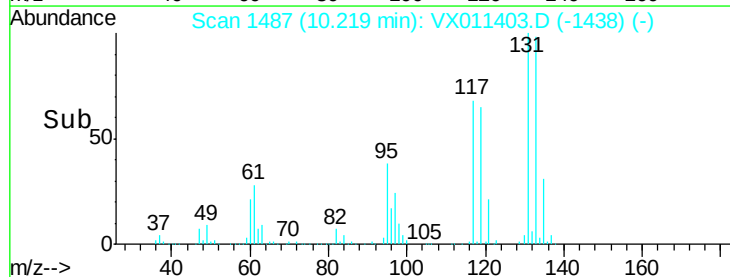
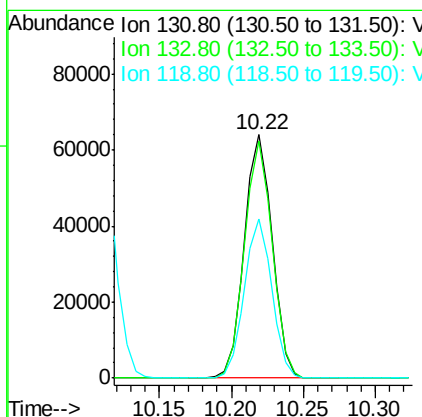
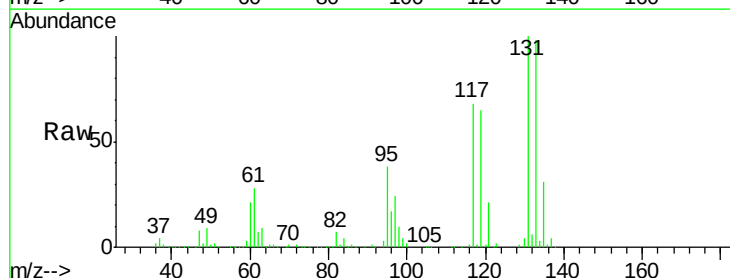
Manual Integrations
APPROVED

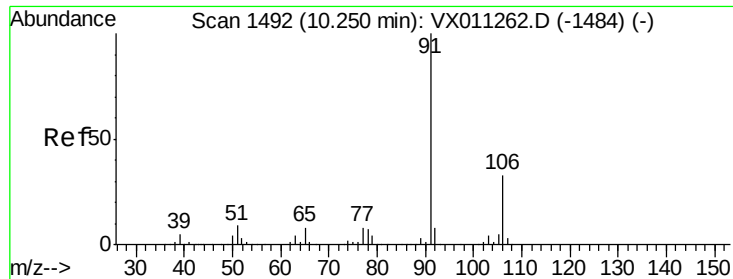
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.349 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	47.7	143.1
119	64.6	32.8	98.3





#67

Ethyl Benzene

Concen: 48.925 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MS

Tot Ion: 91 Resp: 407898

Ion Ratio Lower Upper

91 100

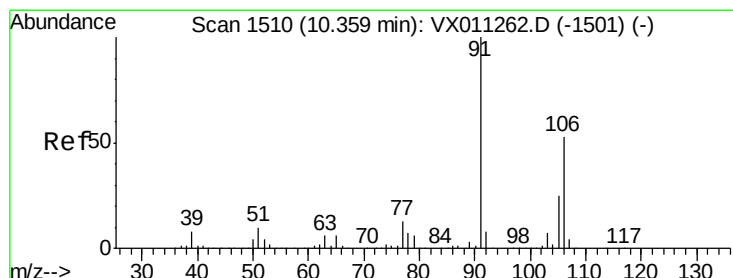
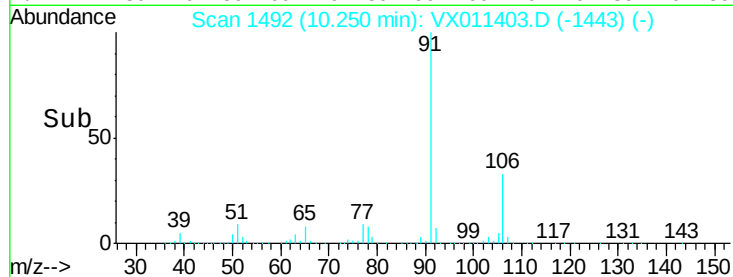
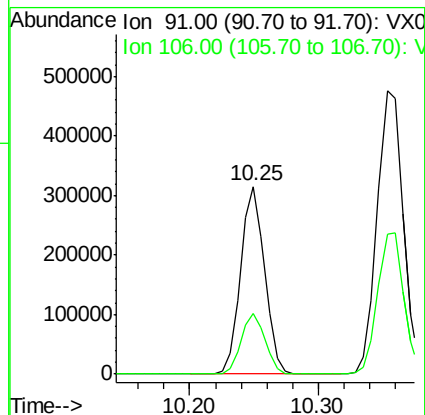
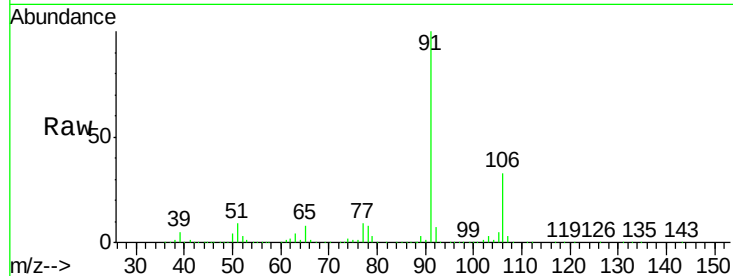
106 32.5 26.2 39.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 102.345 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX011403.D

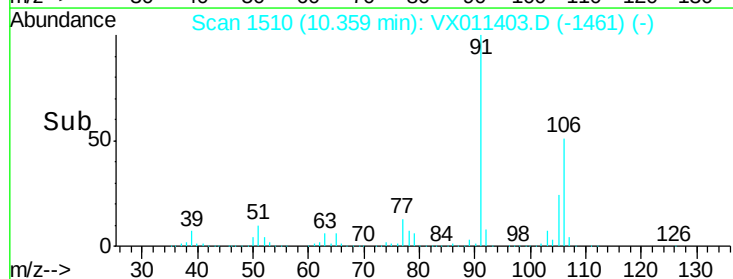
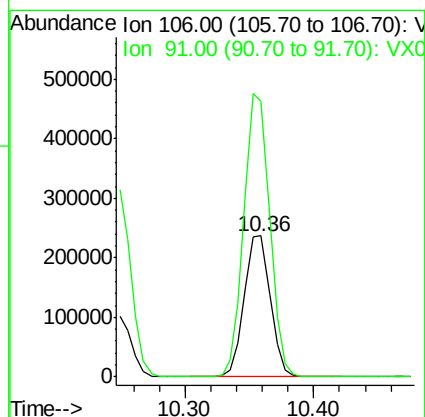
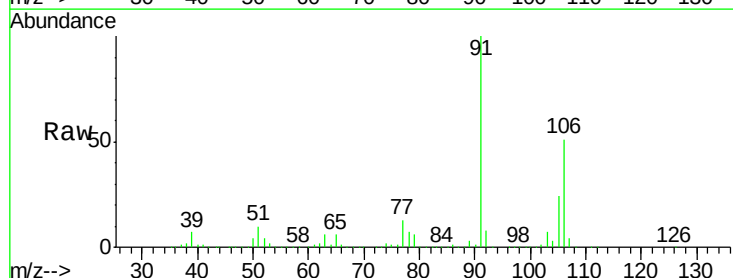
Acq: 09 Aug 2019 12:35

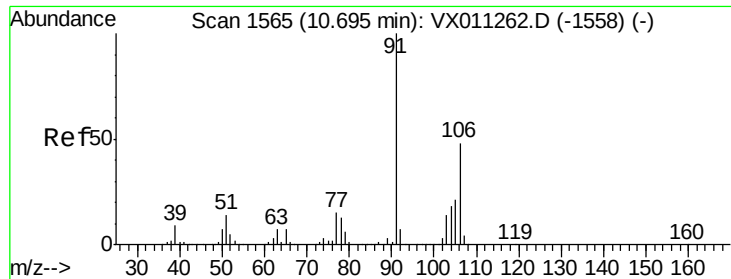
Tgt Ion: 106 Resp: 330045

Ion Ratio Lower Upper

106 100

91 200.2 155.9 233.9





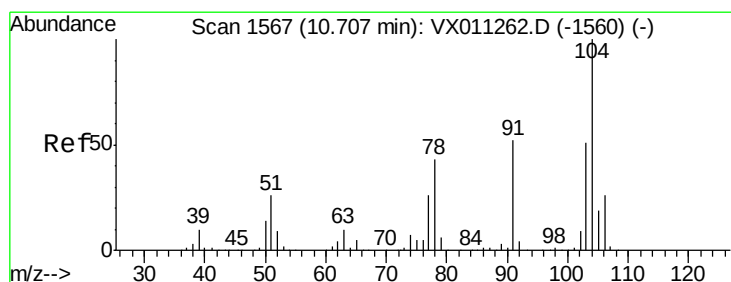
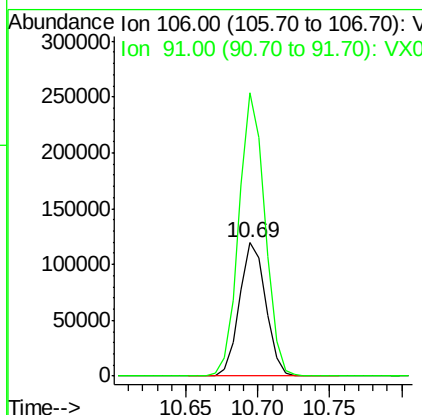
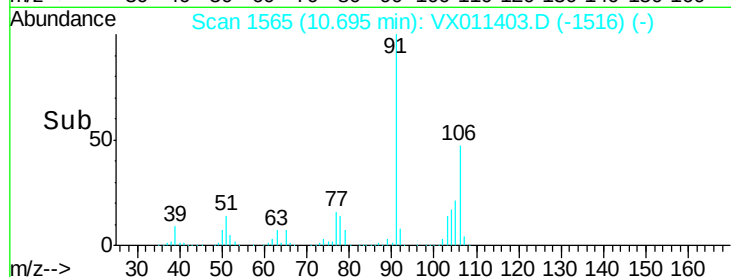
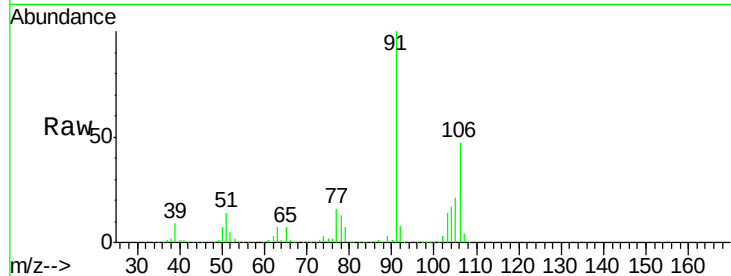
#69
o-Xylene
Concen: 48.131 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	208.9	103.8	311.3		

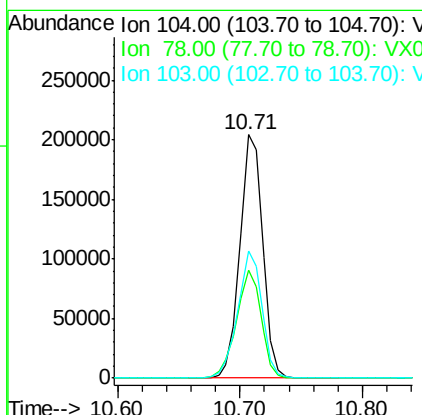
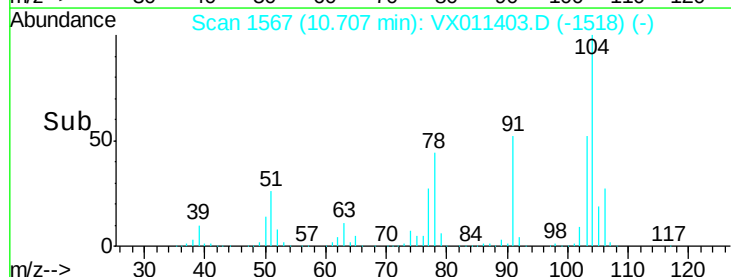
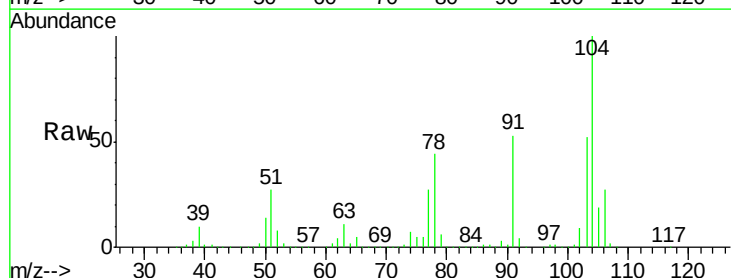
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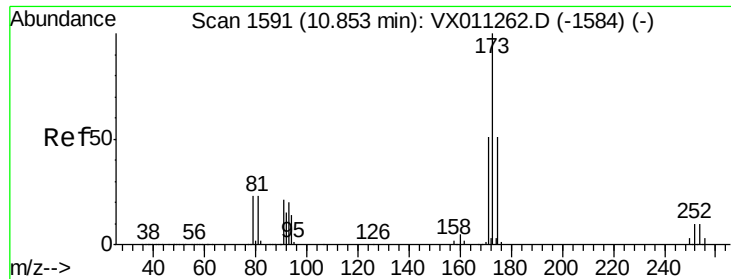
MMDadoda
8/12/2019 12:49:58 PM



#70
Styrene
Concen: 50.096 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	47.8	36.9	55.3		
103	55.1	44.4	66.6		





#71

Bromoform

Concen: 45.882 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MS

Tot Ion:173 Resp: 69542

Ion Ratio Lower Upper

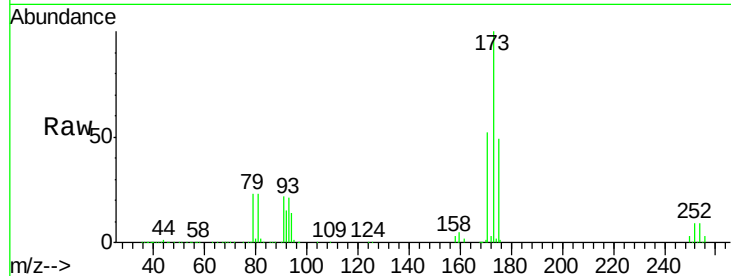
173 100

175 49.4 24.4 73.4

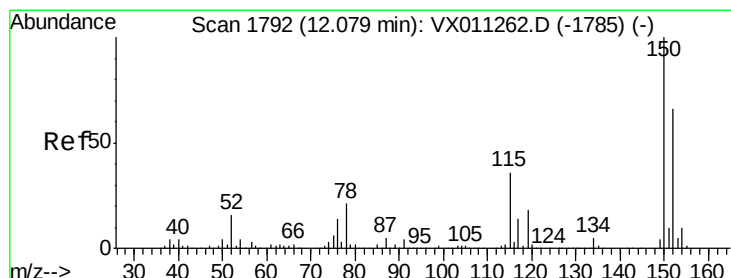
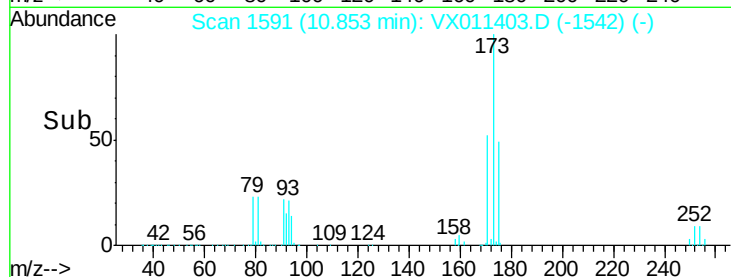
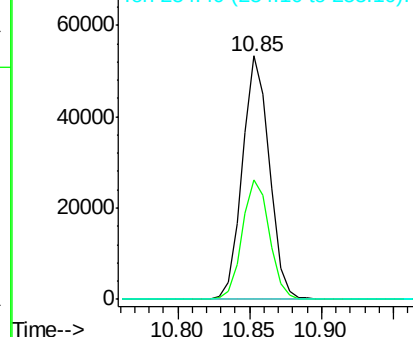
254 0.2 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

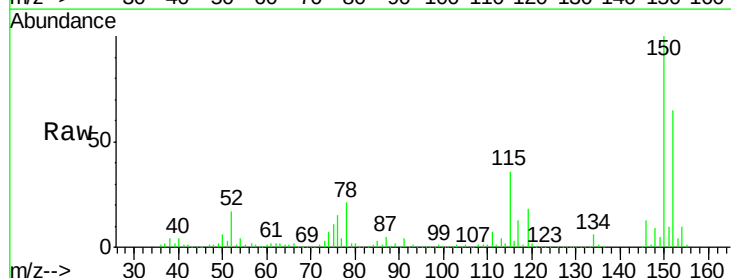
Tgt Ion:152 Resp: 128572

Ion Ratio Lower Upper

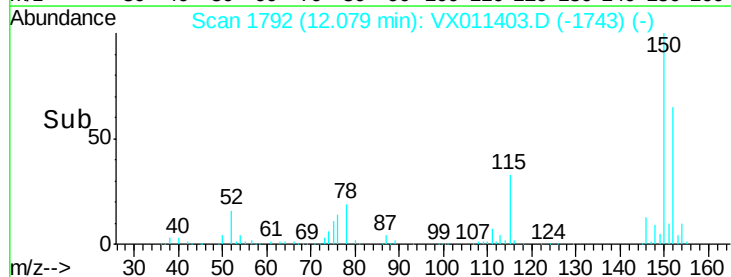
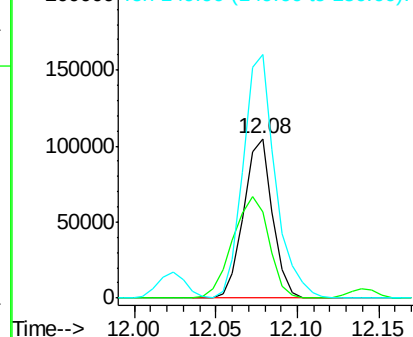
152 100

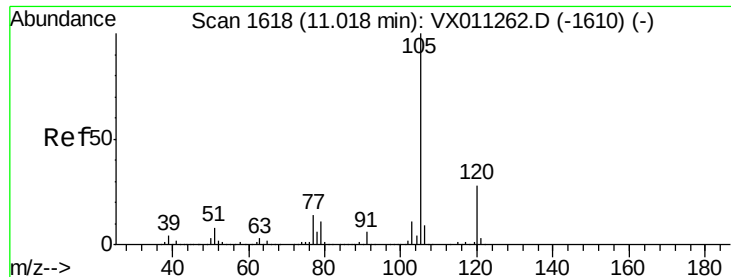
115 80.0 40.0 119.9

150 171.7 0.0 350.4



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: 54.194 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MS

Tot Ion: 105 Resp: 476551

Ion Ratio Lower Upper

105 100

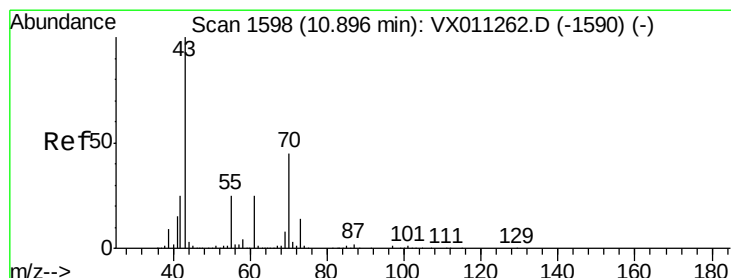
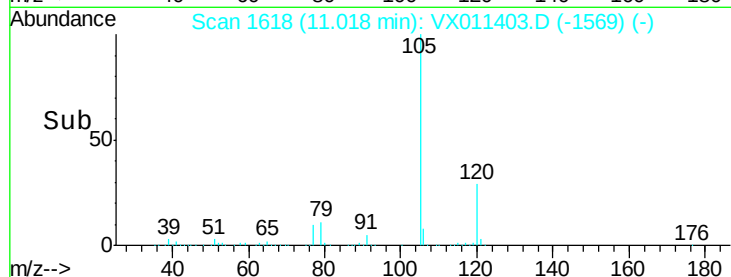
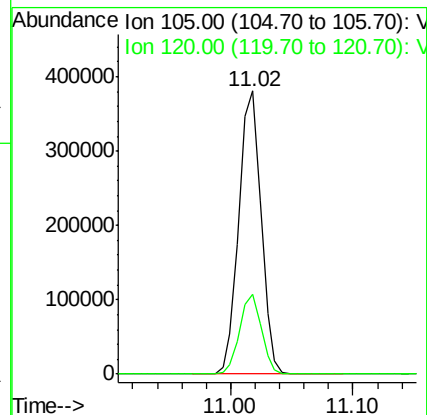
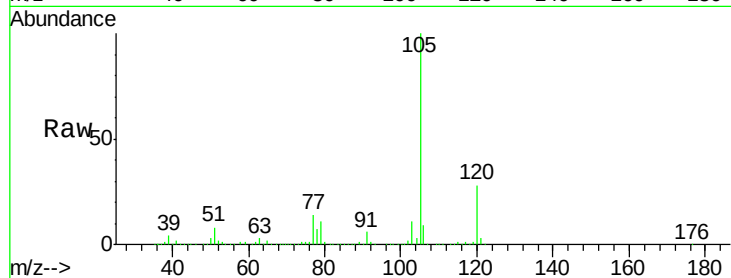
120 27.6 13.7 41.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 51.058 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Tgt Ion: 43 Resp: 162229

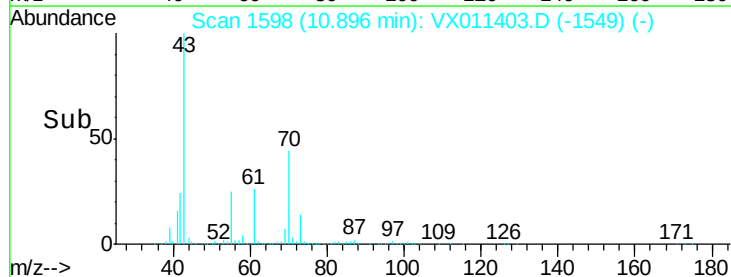
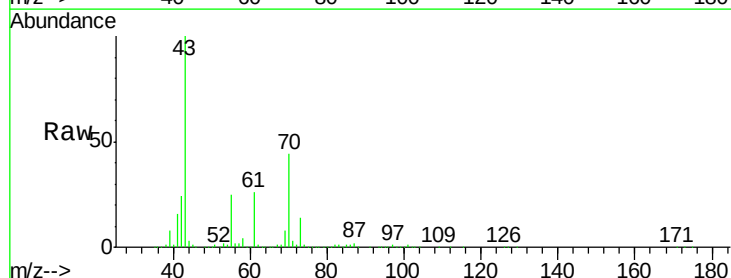
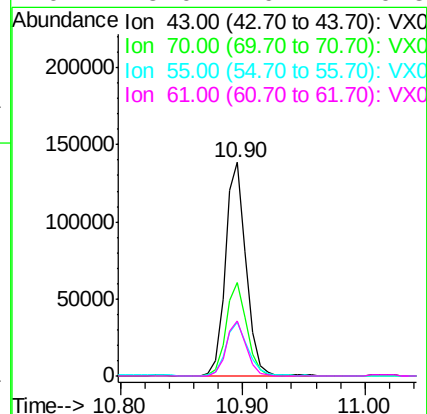
Ion Ratio Lower Upper

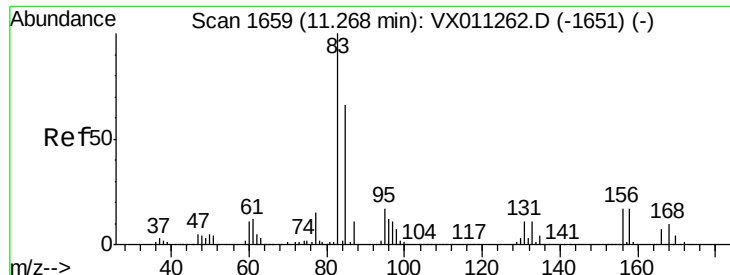
43 100

70 43.7 35.9 53.9

55 27.0 19.8 29.6

61 25.0 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 46.404 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Instrument :

MSVOA_X

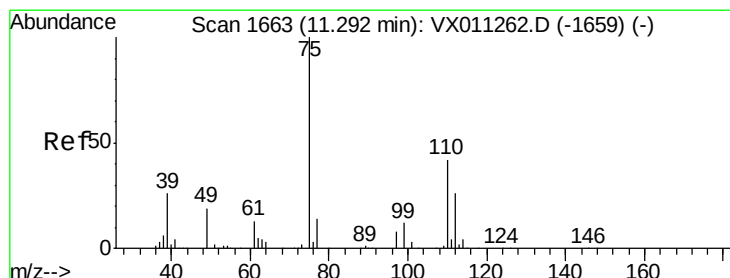
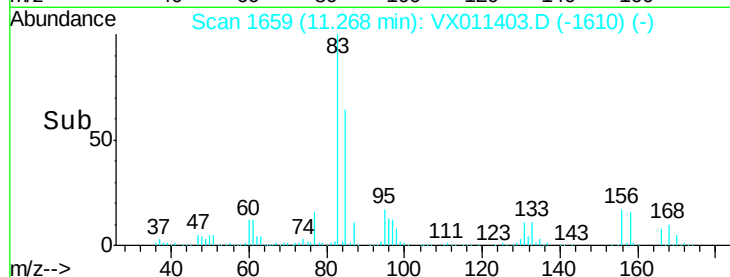
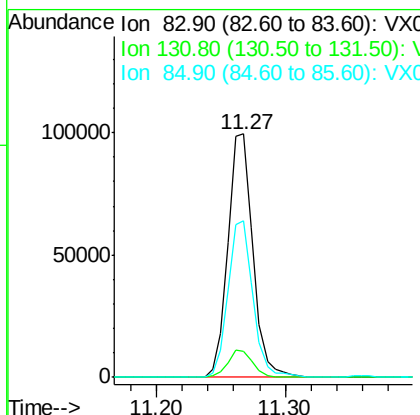
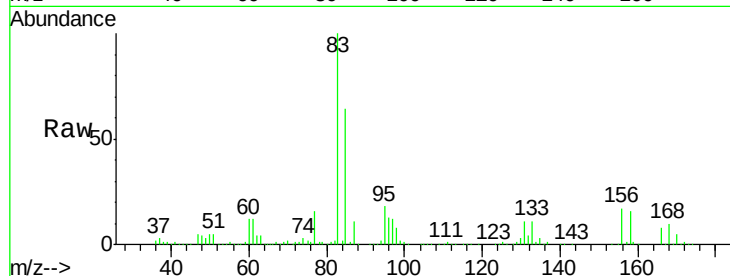
ClientSampleId :

EP1-MW-K-0819MS

Tot Ion:	83	Resp:	135983
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.6	16.8
85	64.2	32.1	96.5

Manual Integrations
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8/12/2019 12:49:58 PM



#76

1,2,3-Trichloropropane

Concen: 48.002 ug/l m

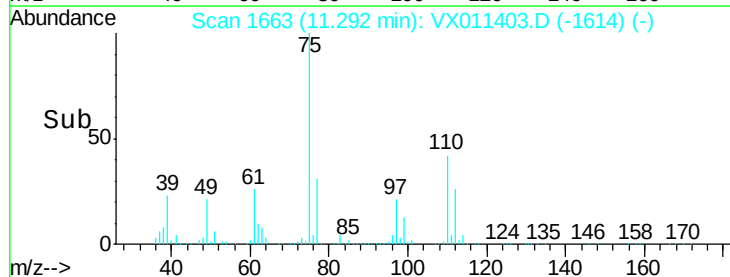
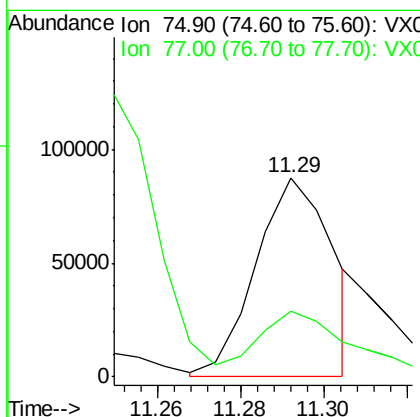
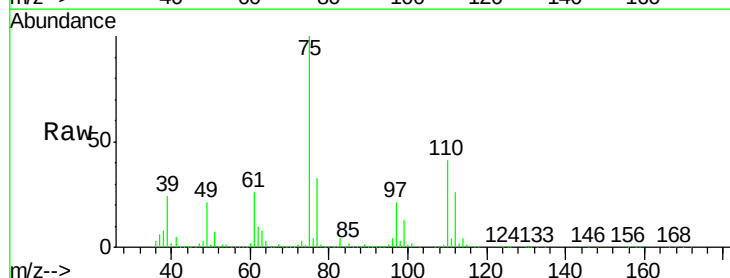
RT: 11.29 min Scan# 1663

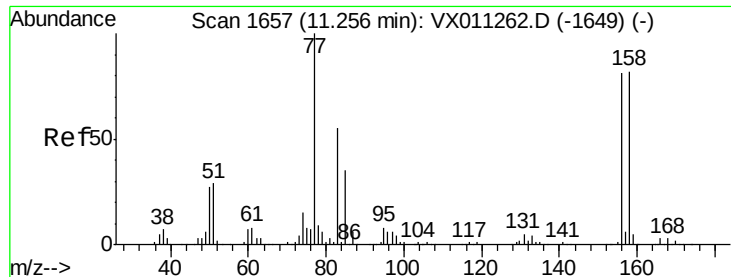
Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Tgt Ion:	75	Resp:	112394
Ion Ratio	Lower	Upper	
75	100		
77	40.5	21.1	63.4





#77

Bromobenzene

Concen: 46.198 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Instrument :

MSVOA_X

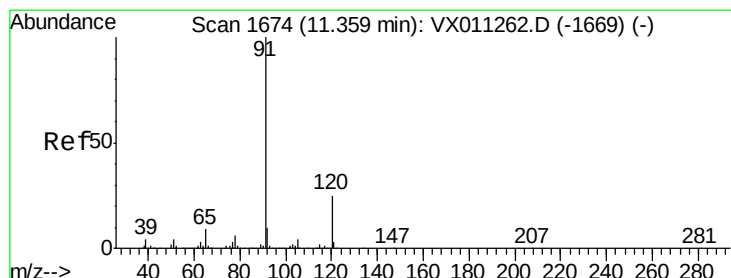
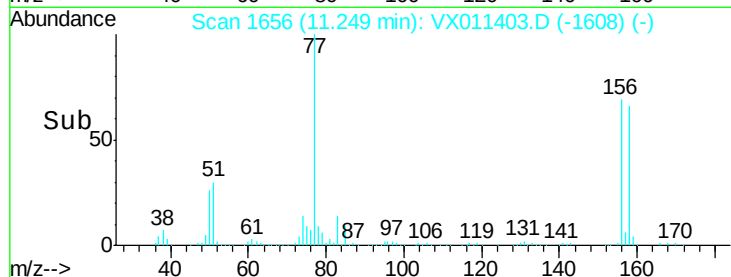
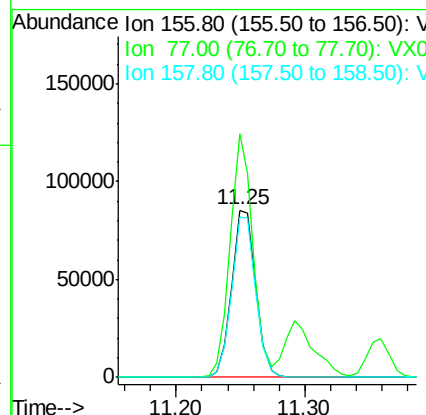
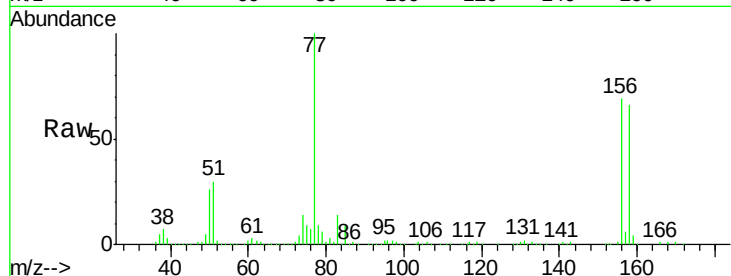
ClientSampleId :

EP1-MW-K-0819MS

Tot Ion:	156	Resp:	112648
Ion Ratio	Lower	Upper	
156	100		
77	137.6	66.2	198.6
158	96.1	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 62.102 ug/l

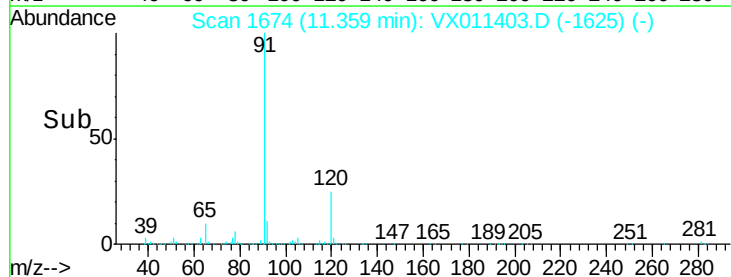
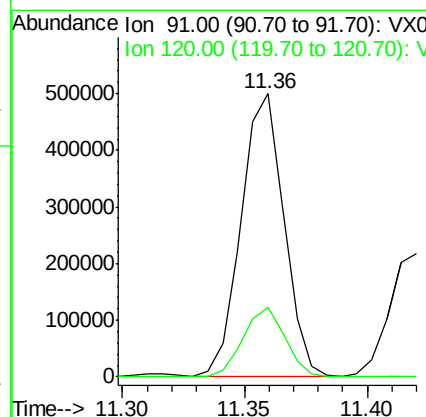
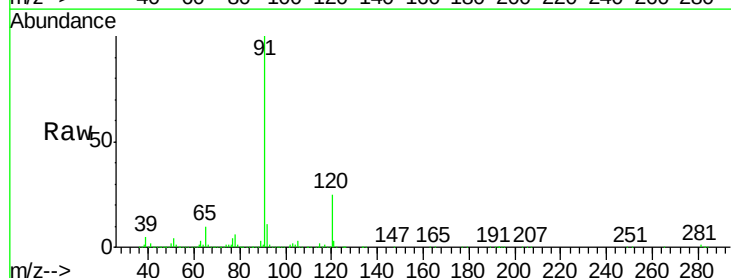
RT: 11.36 min Scan# 1674

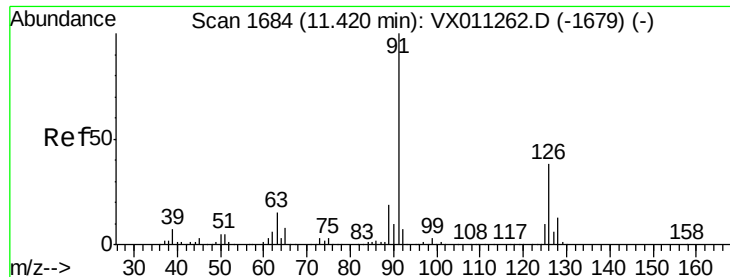
Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Tgt Ion:	91	Resp:	607285
Ion Ratio	Lower	Upper	
91	100		
120	24.3	12.4	37.0





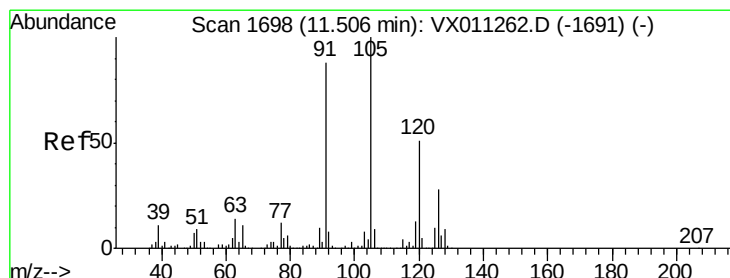
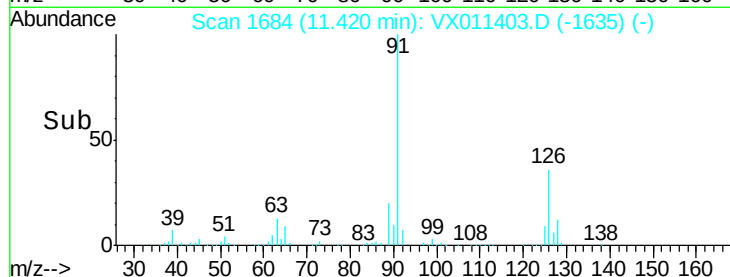
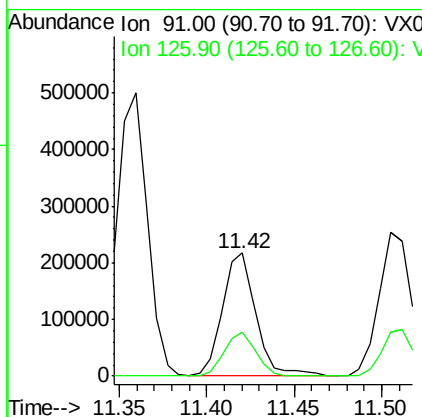
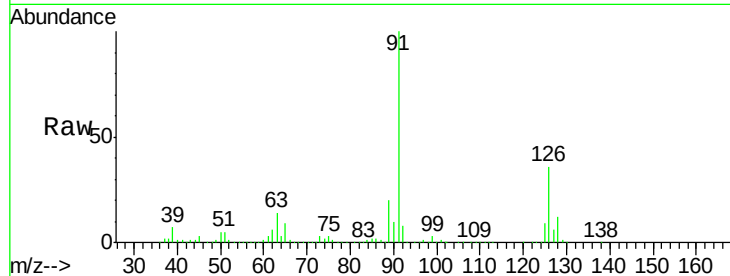
#79
 2-Chlorotoluene
 Concen: 49.020 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX011403.D
 Acq: 09 Aug 2019 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MS

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.5	18.5	55.5

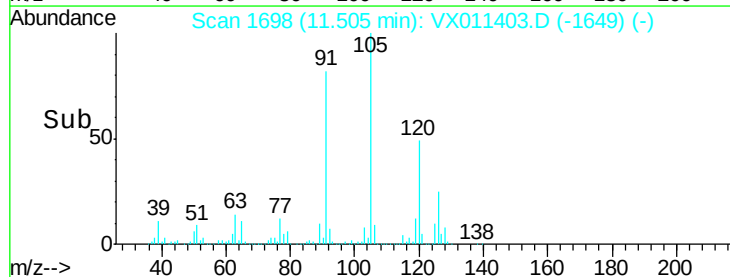
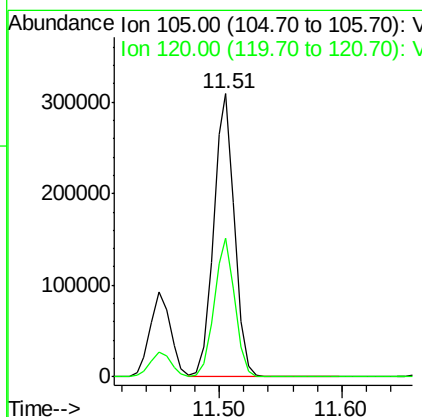
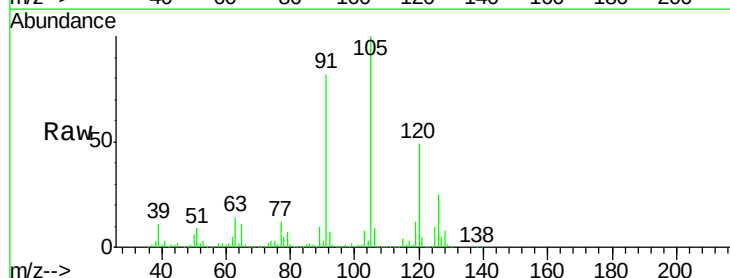
Manual Integrations
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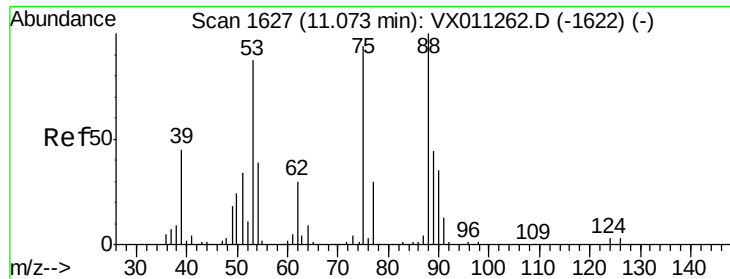
MMDadoda
 8/12/2019 12:49:58 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 49.754 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX011403.D
 Acq: 09 Aug 2019 12:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.6	25.1	75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 41.687 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MS

Tot Ion: 75 Resp: 35828

Ion Ratio Lower Upper

75 100

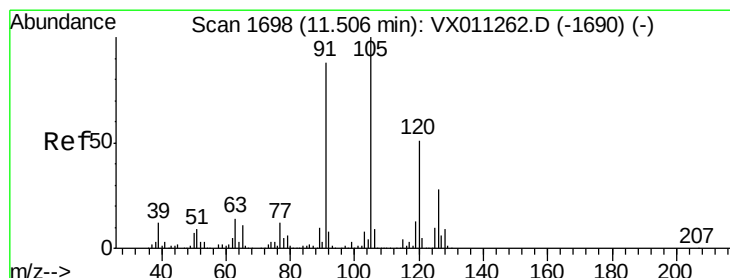
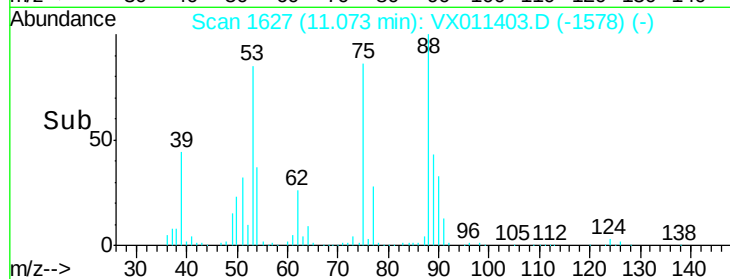
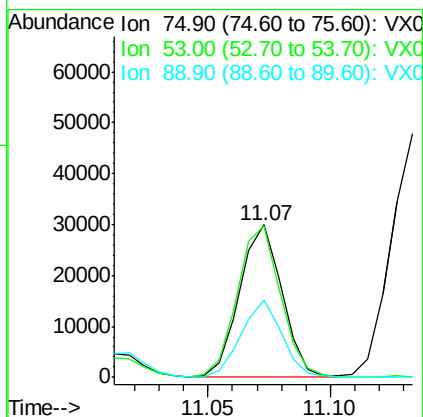
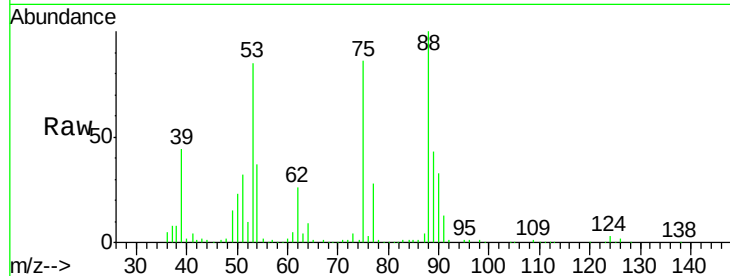
53 101.5 78.2 117.4

89 49.3 37.9 56.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.499 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011403.D

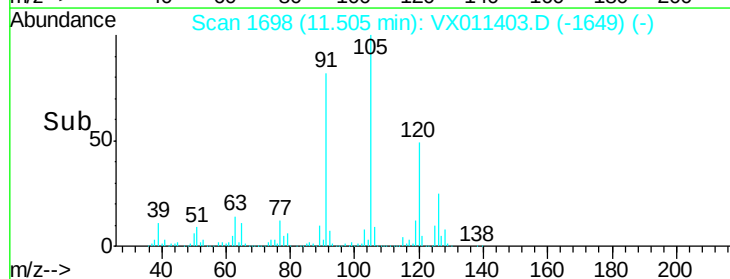
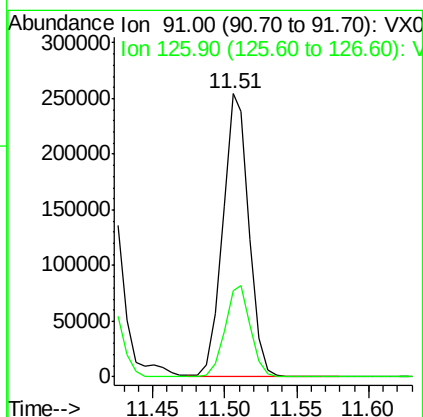
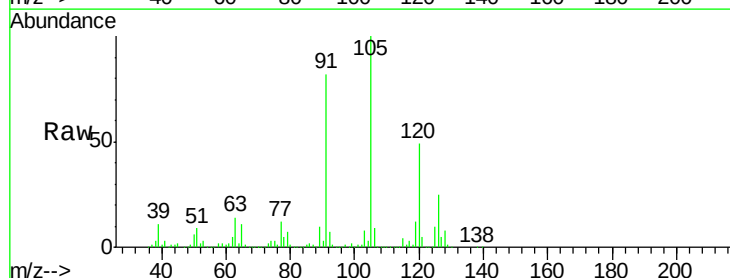
Acq: 09 Aug 2019 12:35

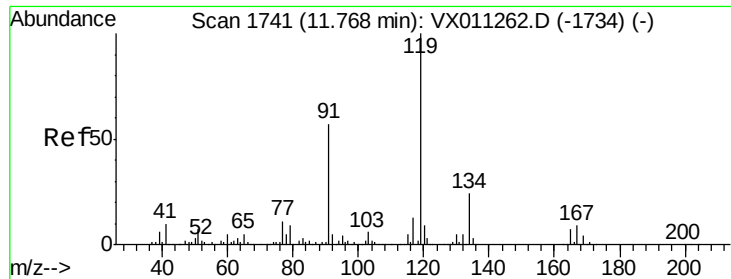
Tgt Ion: 91 Resp: 322647

Ion Ratio Lower Upper

91 100

126 31.7 16.4 49.2





#83

tert-Butylbenzene

Concen: 49.512 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Instrument :

MSVOA_X

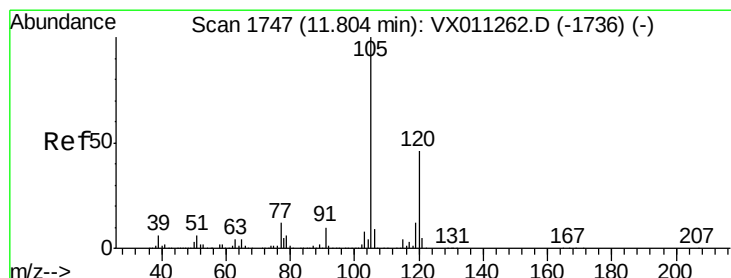
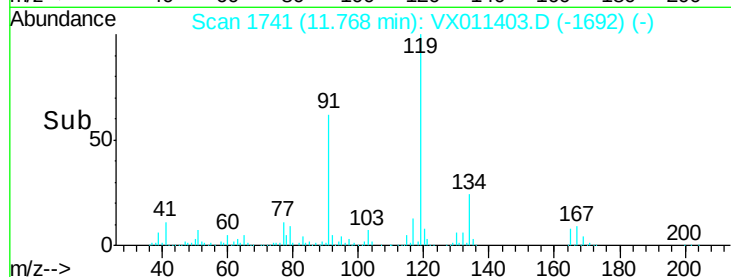
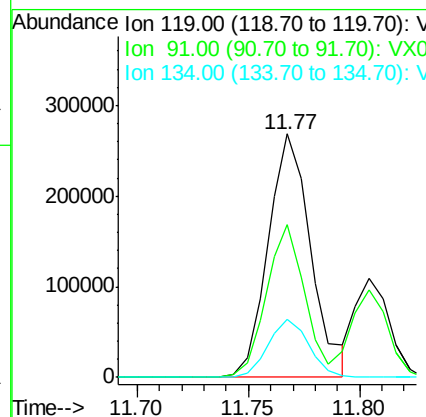
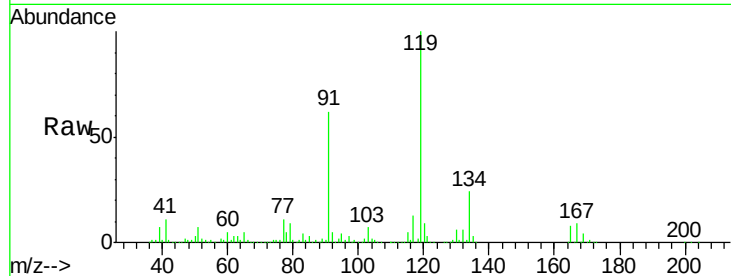
ClientSampleId :

EP1-MW-K-0819MS

Tot Ion:	119	Resp:	357456
Ion Ratio	Lower	Upper	
119	100		
91	56.4	28.0	84.0
134	22.7	11.9	35.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 145.278 ug/l

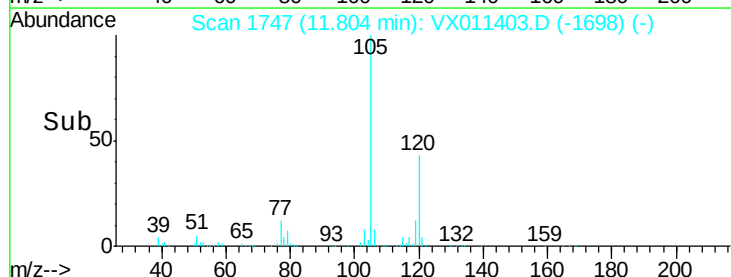
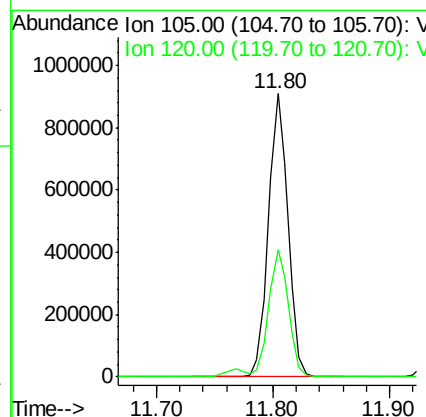
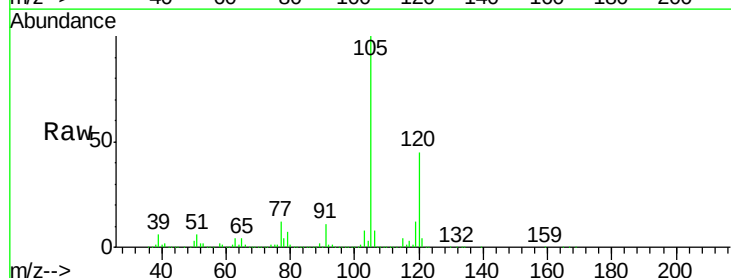
RT: 11.80 min Scan# 1747

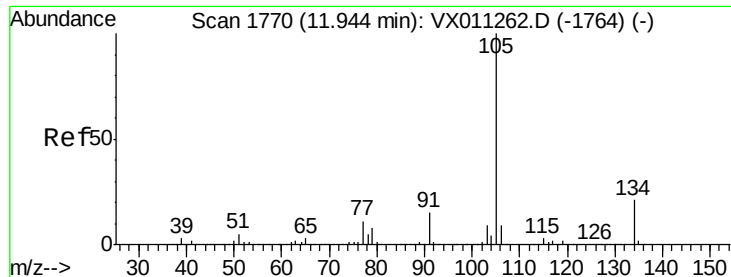
Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Tgt Ion:	105	Resp:	1064717
Ion Ratio	Lower	Upper	
105	100		
120	45.5	23.0	69.0





#85

sec-Butylbenzene

Concen: 51.427 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MS

Tot Ion:105 Resp: 446074

Ion Ratio Lower Upper

105 100

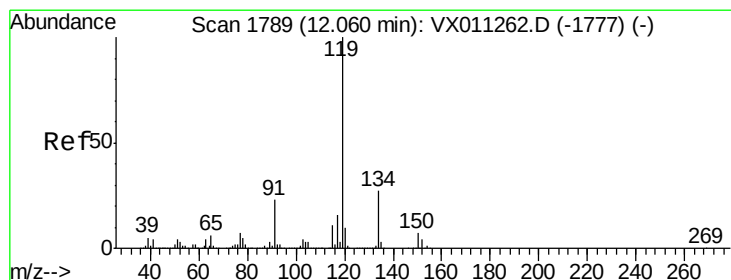
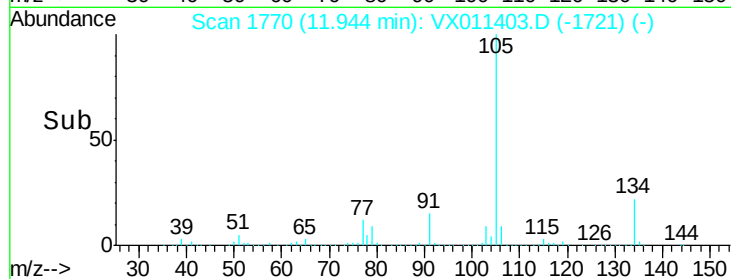
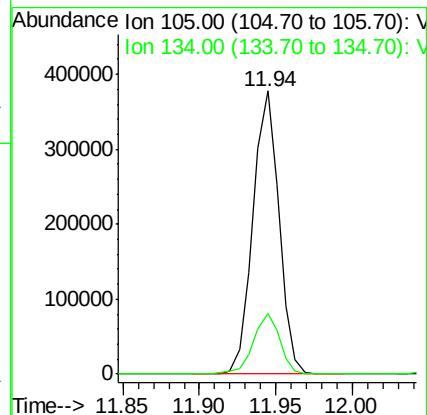
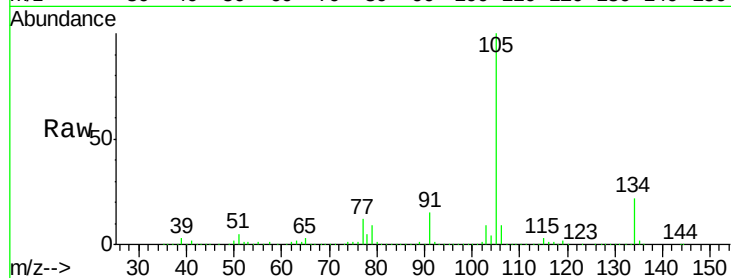
134 22.1 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.244 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011403.D

Acq: 09 Aug 2019 12:35

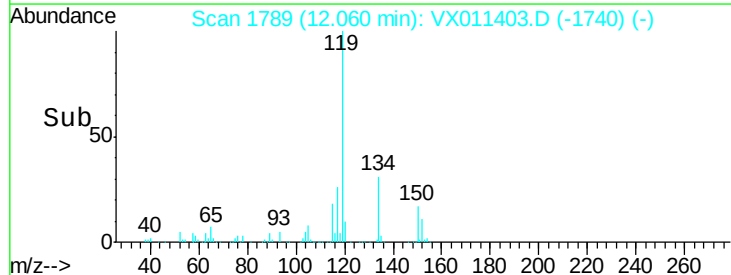
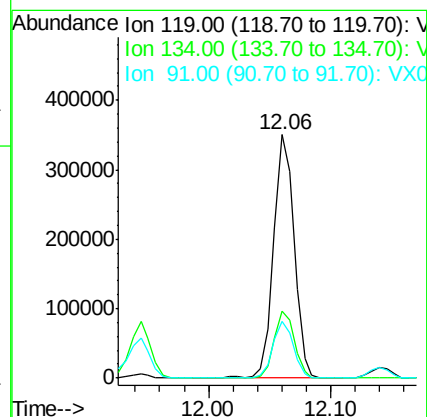
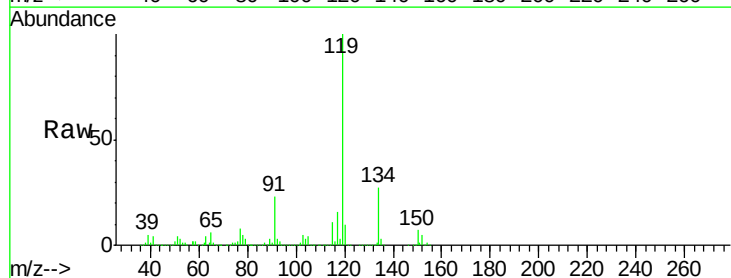
Tgt Ion:119 Resp: 408913

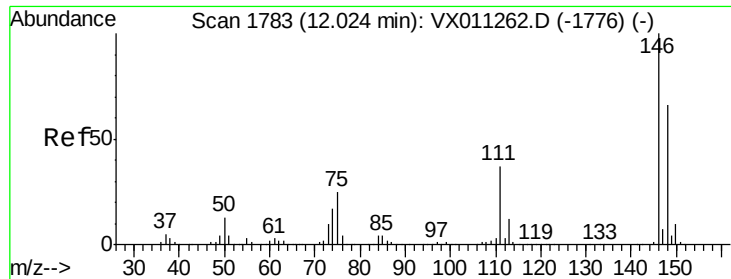
Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.0

91 23.2 11.4 34.2





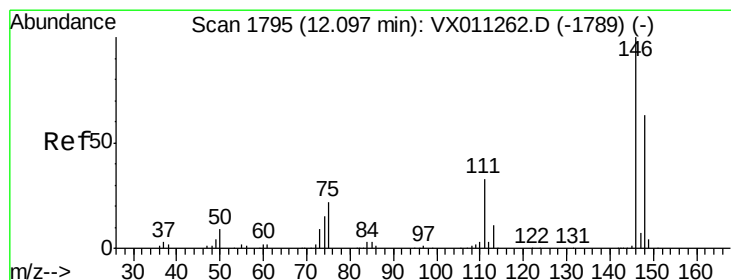
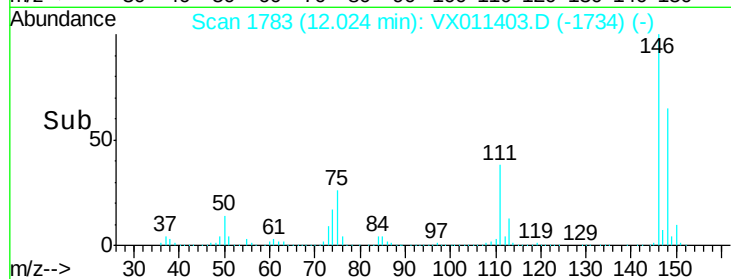
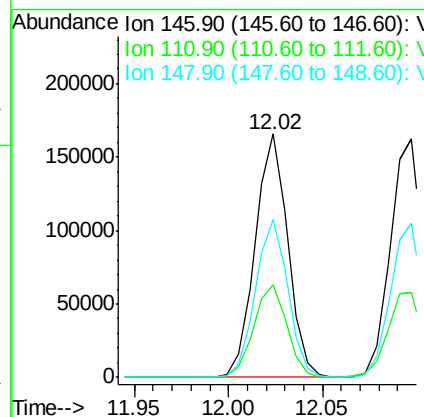
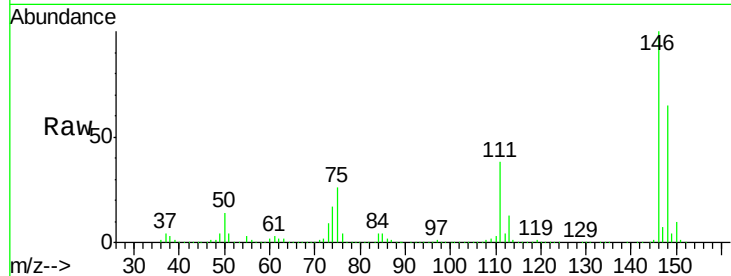
#87
 1,3-Dichlorobenzene
 Concen: 46.149 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011403.D
 Acq: 09 Aug 2019 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.6	55.8
148	64.6	32.5	97.5

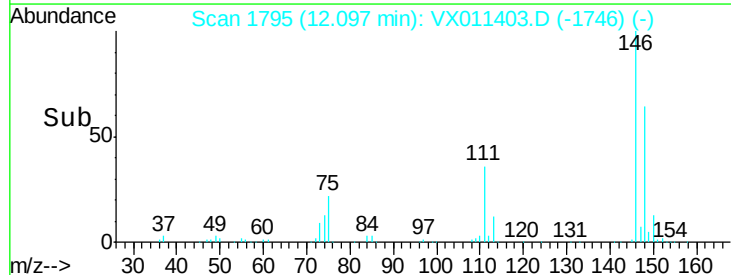
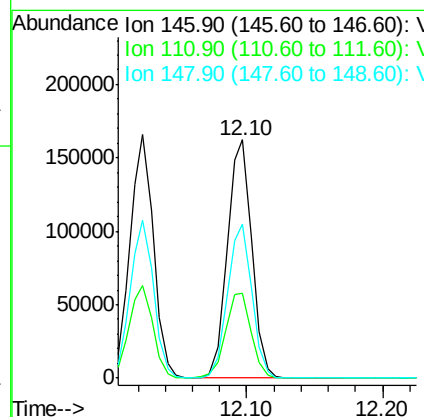
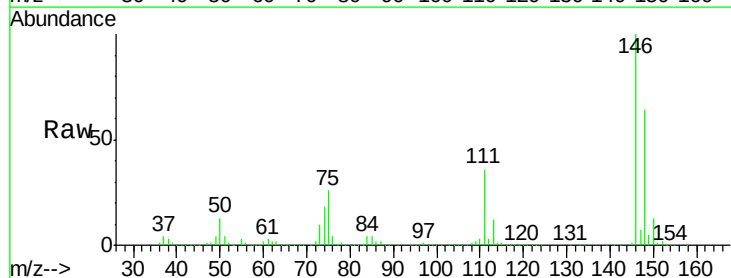
Manual Integrations
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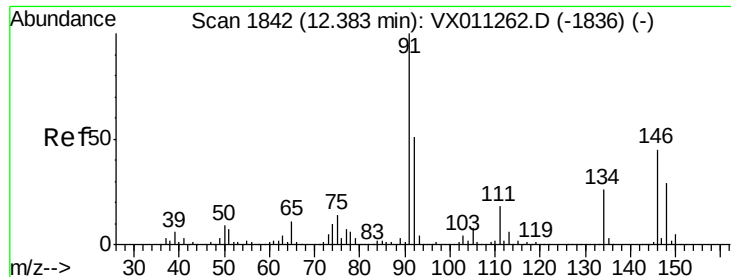
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#88
 1,4-Dichlorobenzene
 Concen: 45.089 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX011403.D
 Acq: 09 Aug 2019 12:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	17.8	53.4
148	64.3	31.8	95.3





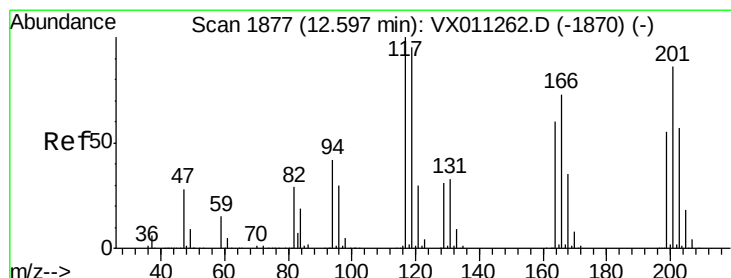
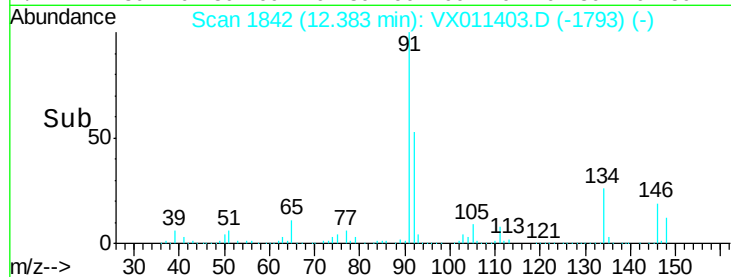
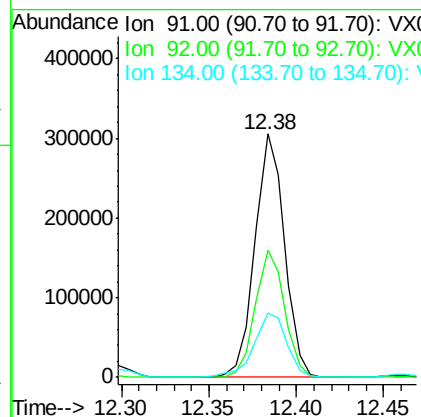
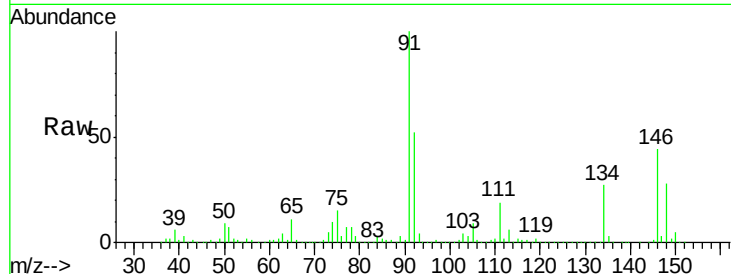
#89
n-Butylbenzene
Concen: 52.231 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.8	77.3
134	29.5	13.7	41.0

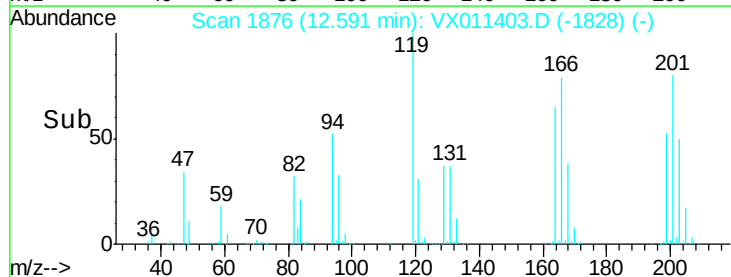
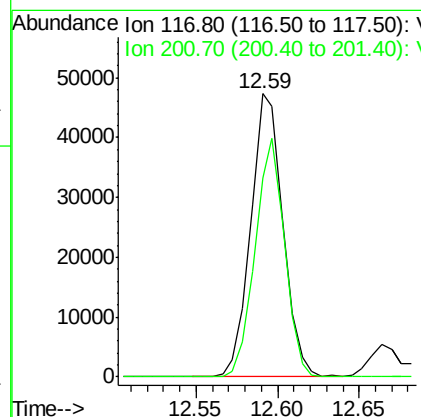
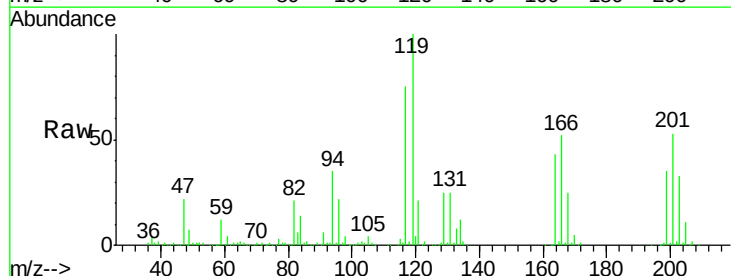
Manual Integrations
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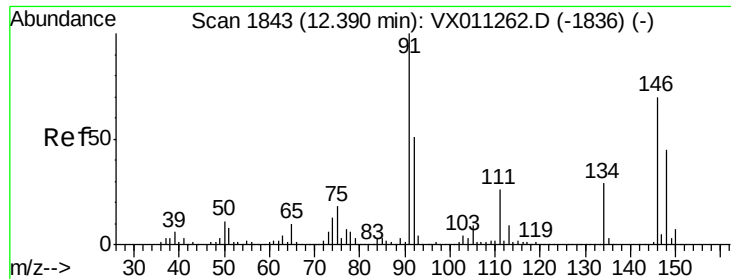
MMDadoda
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#90
Hexachloroethane
Concen: 55.364 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.0	41.8	125.4





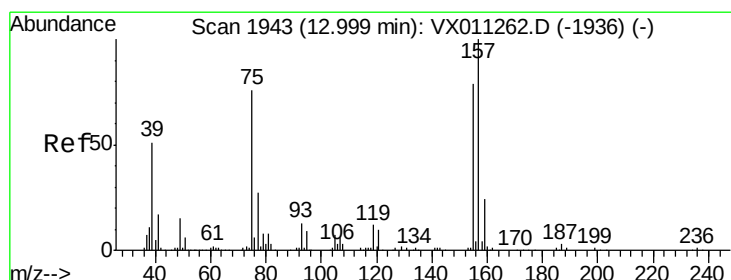
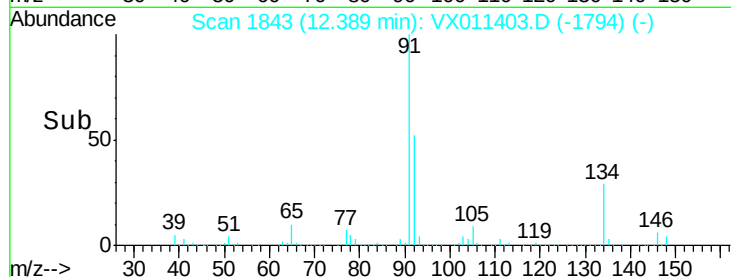
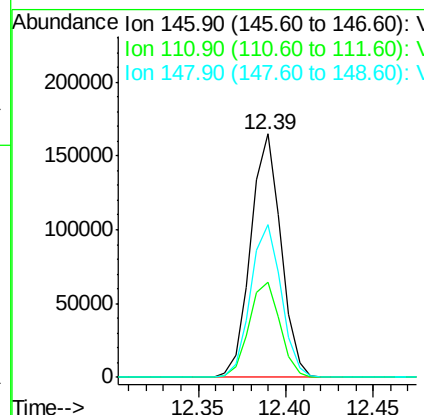
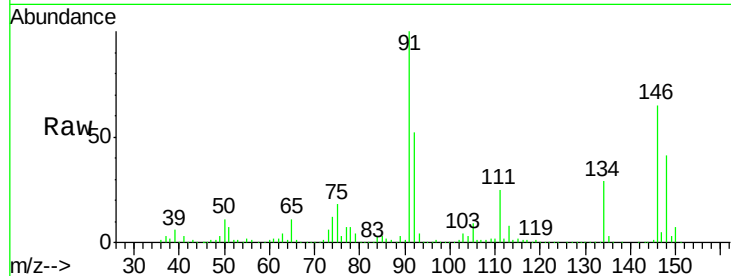
#91
 1,2-Dichlorobenzene
 Concen: 45.928 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX011403.D
 Acq: 09 Aug 2019 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	198818		
111	40.0	19.1	57.1	
148	63.7	32.3	96.8	

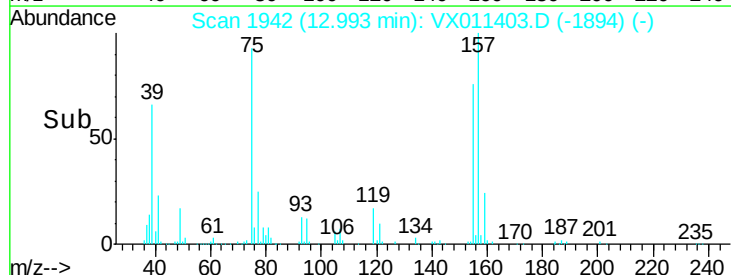
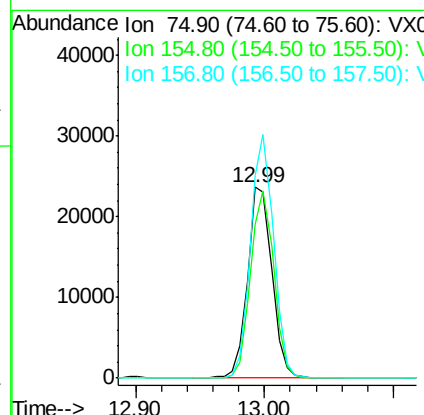
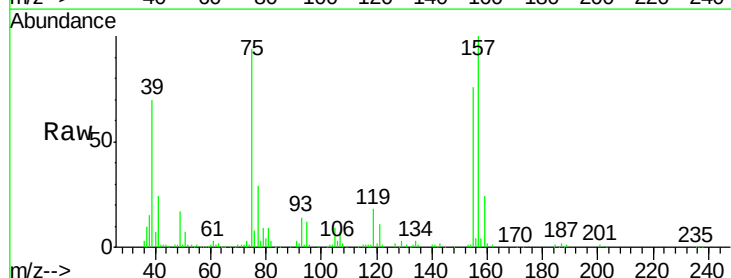
Manual Integrations
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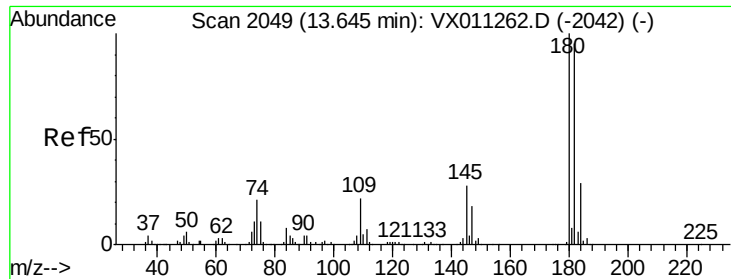
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.250 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011403.D
 Acq: 09 Aug 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	30800		
155	93.3	51.9	155.8	
157	119.8	64.3	192.7	





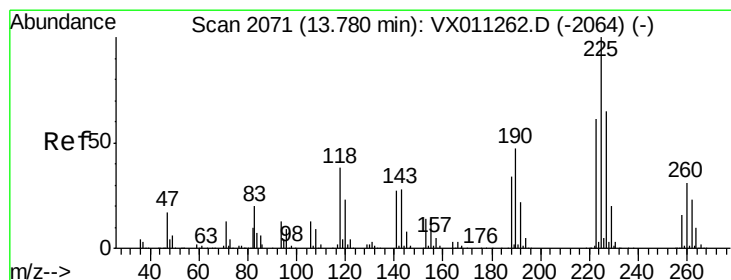
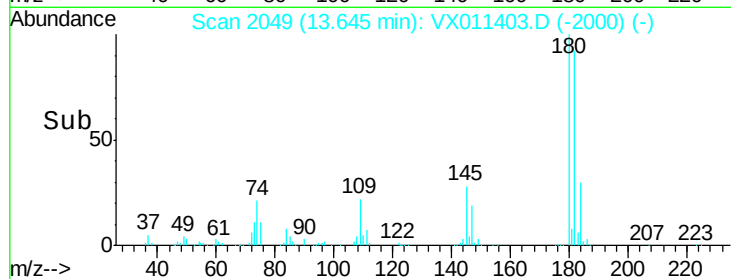
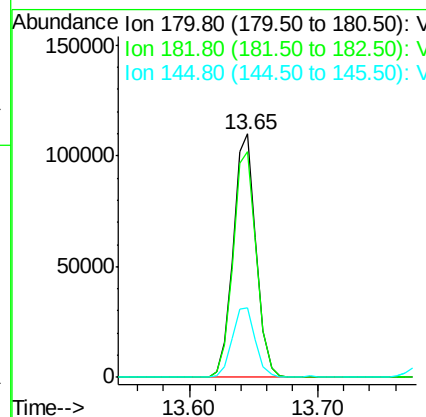
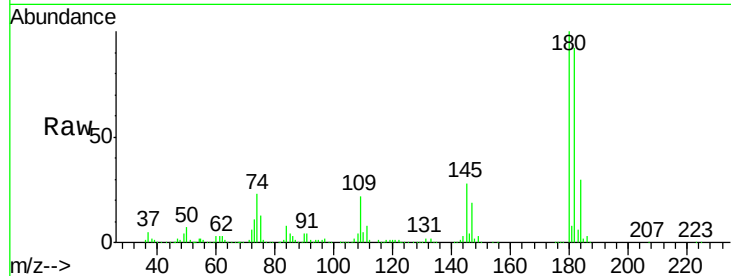
#93
 1,2,4-Trichlorobenzene
 Concen: 47.306 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX011403.D
 Acq: 09 Aug 2019 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	135811		
182	94.9	47.8	143.4	
145	29.3	14.8	44.3	

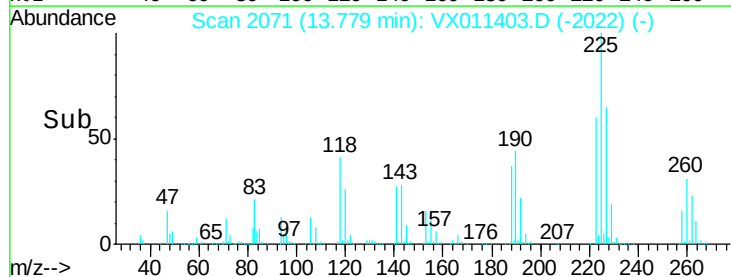
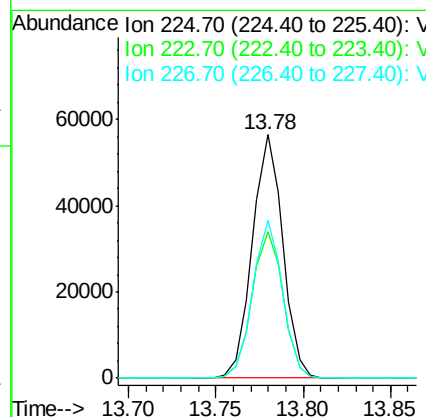
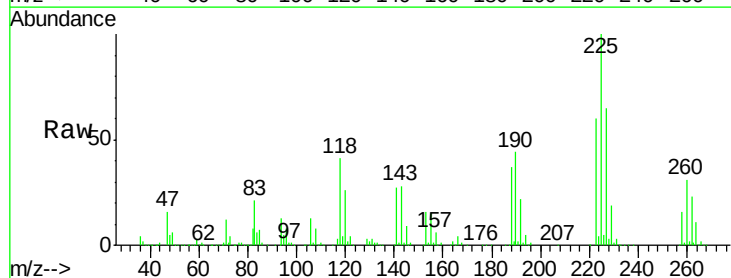
Manual Integrations
 APPROVED

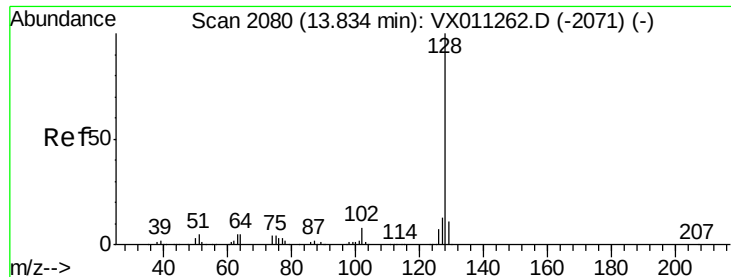
MMDadoda
 8/12/2019 12:49:58 PM



#94
 Hexachlorobutadiene
 Concen: 46.854 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011403.D
 Acq: 09 Aug 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	68245		
223	61.1	31.0	93.0	
227	63.3	32.2	96.6	





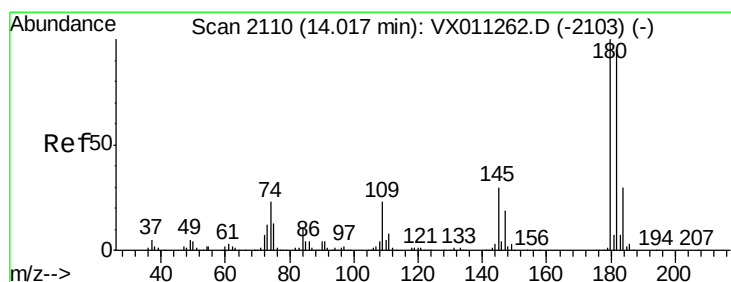
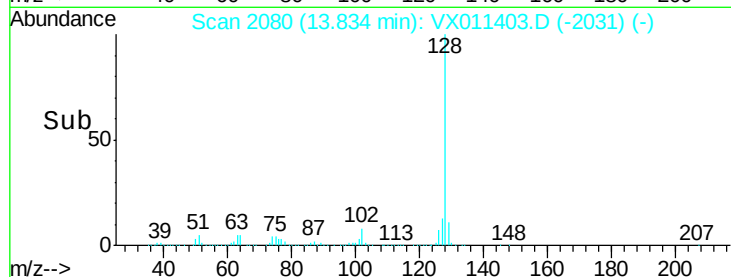
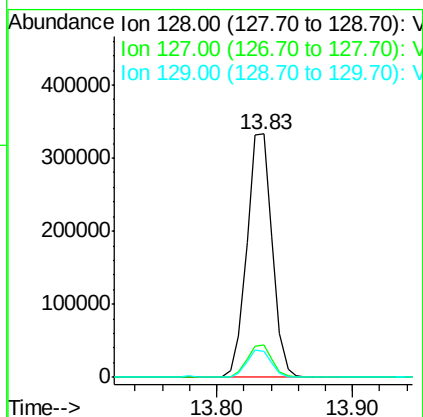
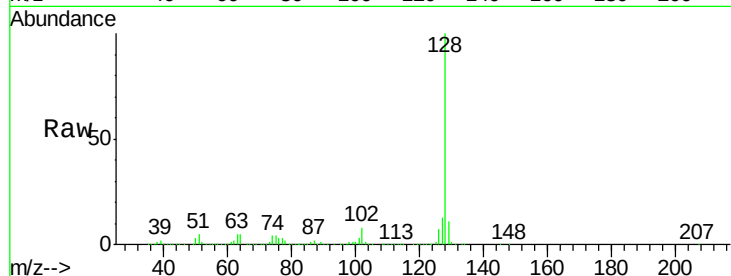
#95
Naphthalene
Concen: 51.733 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MS

Tot Ion	Ratio	Resp	Lower	Upper
128	100	434325		
127	13.1		10.4	15.6
129	10.9		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/12/2019 12:49:58 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.296 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX011403.D
Acq: 09 Aug 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	138039		
182	96.1		47.4	142.3
145	30.9		15.2	45.6

