

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052219\
 Data File : VX009815.D
 Acq On : 22 May 2019 19:27
 Operator : JC/SP
 Sample : K2977-14MSD 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-PZ-E3-4MSD

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 10:45:07 AM

Quant Time: May 23 08:19:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	164461	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	268599	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124056	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	110757	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
35) Dibromofluoromethane	5.50	113	78644	46.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.16%	
50) Toluene-d8	8.71	98	320833	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
62) 4-Bromofluorobenzene	11.13	95	118548	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	63025	41.586	ug/l	99
3) Chloromethane	1.32	50	98496	47.603	ug/l	98
4) Vinyl Chloride	1.41	62	94006	46.592	ug/l	99
5) Bromomethane	1.64	94	62214	51.374	ug/l	98
6) Chloroethane	1.71	64	60248	46.509	ug/l	99
7) Trichlorofluoromethane	1.92	101	114712	46.773	ug/l	97
8) Diethyl Ether	2.19	74	55551	47.818	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	67371	43.744	ug/l	99
10) Methyl Iodide	2.51	142	87768	49.135	ug/l	98
11) Tert butyl alcohol	3.05	59	130149	250.439	ug/l	99
12) 1,1-Dichloroethene	2.37	96	70817	45.892	ug/l	95
13) Acrolein	2.29	56	104721	222.507	ug/l	100
14) Allyl chloride	2.73	41	178934	47.581	ug/l	98
15) Acrylonitrile	3.14	53	312491	245.927	ug/l	99
16) Acetone	2.45	43	265538	220.268	ug/l	96
17) Carbon Disulfide	2.57	76	209587	48.376	ug/l	99
18) Methyl Acetate	2.78	43	135172	47.148	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	288114	48.081	ug/l	99
20) Methylene Chloride	2.85	84	89477	45.841	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	78030	46.626	ug/l	94
22) Diisopropyl ether	3.85	45	355030	49.091	ug/l	95
23) Vinyl Acetate	3.81	43	1630347	263.261	ug/l	99
24) 1,1-Dichloroethane	3.70	63	168223	47.152	ug/l	98
25) 2-Butanone	4.68	43	466046	248.777	ug/l	96
26) 2,2-Dichloropropane	4.59	77	115279	43.411	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	93799	46.957	ug/l	98
28) Bromochloromethane	5.01	49	84962	59.691	ug/l	96
29) Tetrahydrofuran	5.13	42	312314	259.076	ug/l	98
30) Chloroform	5.21	83	154059	47.745	ug/l	99
31) Cyclohexane	5.58	56	157525	47.458	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	124523	46.358	ug/l	99
36) 1,1-Dichloropropene	5.80	75	114921	46.040	ug/l	99
37) Ethyl Acetate	4.84	43	177416	51.013	ug/l	98
38) Carbon Tetrachloride	5.79	117	104370	46.021	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	141900	46.290	ug/l	99
40) Benzene	6.14	78	364321	47.161	ug/l	98
41) Methacrylonitrile	5.04	41	101378	48.969	ug/l	99
42) 1,2-Dichloroethane	6.19	62	135423	48.870	ug/l	99
43) Isopropyl Acetate	6.45	43	281552	50.612	ug/l	98
44) Trichloroethene	7.21	130	84163	45.066	ug/l	99
45) 1,2-Dichloropropane	7.51	63	104819	47.919	ug/l	99
46) Dibromomethane	7.66	93	60120	47.329	ug/l	100
47) Bromodichloromethane	7.90	83	120116	47.405	ug/l	100
48) Methyl methacrylate	7.77	41	142261	51.545	ug/l	98
49) 1,4-Dioxane	7.74	88	44166	789.085	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	941243	258.861	ug/l	98
52) Toluene	8.78	92	222945	47.477	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	141935	49.615	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	154082	48.662	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	90890	47.443	ug/l	95
56) Ethyl methacrylate	9.18	69	169964	49.700	ug/l	96
57) 1,3-Dichloropropane	9.37	76	161657	47.951	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	20968	11.558	ug/l	97
59) 2-Hexanone	9.49	43	724885	253.834	ug/l	97
60) Dibromochloromethane	9.58	129	90379	48.302	ug/l	98
61) 1,2-Dibromoethane	9.67	107	93484	48.341	ug/l	100
64) Tetrachloroethene	9.34	164	73391	42.824	ug/l	98
65) Chlorobenzene	10.13	112	230717	46.162	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	83304	45.974	ug/l	99
67) Ethyl Benzene	10.25	91	496525	53.981	ug/l	100
68) m/p-Xylenes	10.36	106	384554	114.407	ug/l	97
69) o-Xylene	10.69	106	172272	51.945	ug/l	98
70) Styrene	10.71	104	274110	47.554	ug/l	97
71) Bromoform	10.85	173	70238	47.700	ug/l	# 99
73) Isopropylbenzene	11.02	105	495239	54.897	ug/l	100
74) N-amyl acetate	10.90	43	261821	49.781	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	154825	46.038	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	132958m	46.204	ug/l	
77) Bromobenzene	11.26	156	102161	45.626	ug/l	99
78) n-propylbenzene	11.36	91	682860	66.280	ug/l	100
79) 2-Chlorotoluene	11.42	91	315738	49.674	ug/l	94
80) 1,3,5-Trimethylbenzene	11.51	105	510463	67.202	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	52619	46.786	ug/l	98
82) 4-Chlorotoluene	11.51	91	348976	48.599	ug/l	96
83) tert-Butylbenzene	11.77	119	357628	48.399	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	1149647	150.786	ug/l	99
85) sec-Butylbenzene	11.94	105	446709	50.991	ug/l	97
86) p-Isopropyltoluene	12.06	119	385436	48.940	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	182821	45.801	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	182510	45.352	ug/l	99
89) n-Butylbenzene	12.38	91	379554	53.321	ug/l	95
90) Hexachloroethane	12.59	117	68527	51.073	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	181504	44.644	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35742	47.377	ug/l	95

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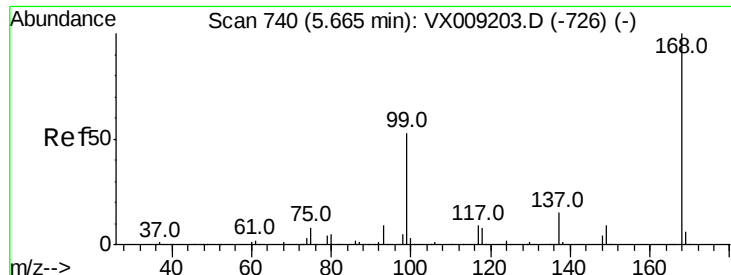
Manual Integrations
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5/23/2019 10:45:07 AM

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QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	129142	46.450	ug/l	98
94) Hexachlorobutadiene	13.78	225	63341	44.614	ug/l	99
95) Naphthalene	13.83	128	466324	51.555	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	129630	45.997	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

EP1-PZ-E3-4MSD

Tot Ion:168 Resp: 164461

Ion Ratio Lower Upper

168 100

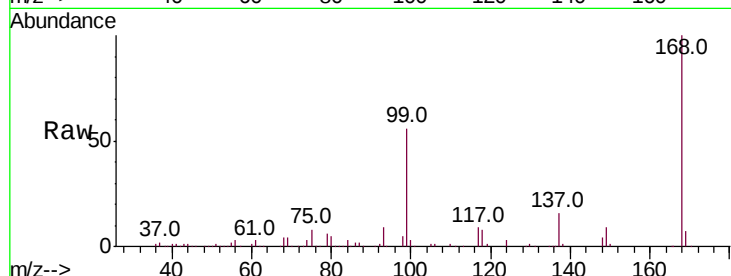
99 55.4 42.3 63.5

Manual Integrations

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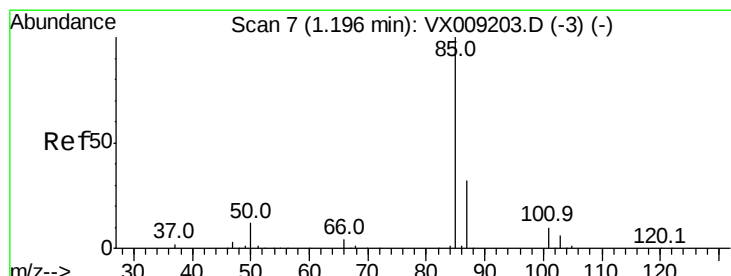
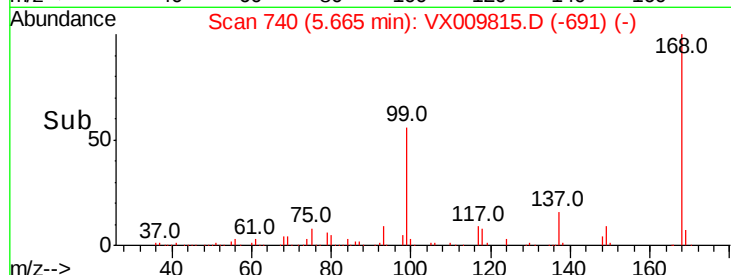
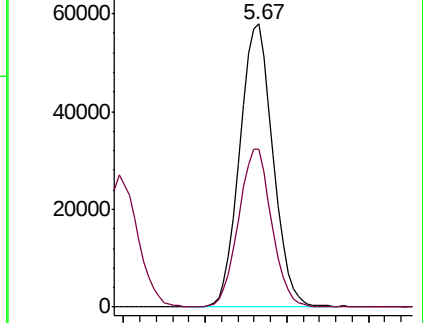
MMDadoda

5/23/2019 10:45:07 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 41.586 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009815.D

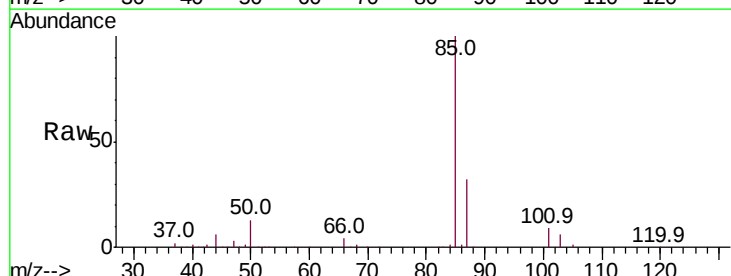
Acq: 22 May 2019 19:27

Tgt Ion: 85 Resp: 63025

Ion Ratio Lower Upper

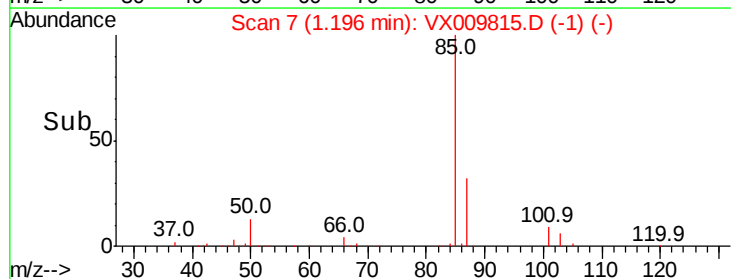
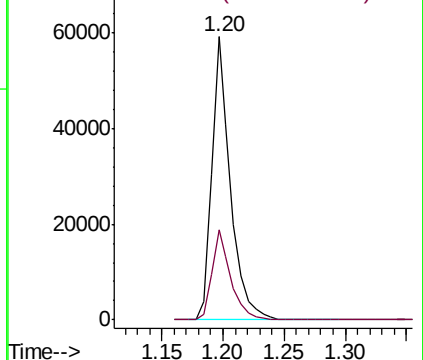
85 100

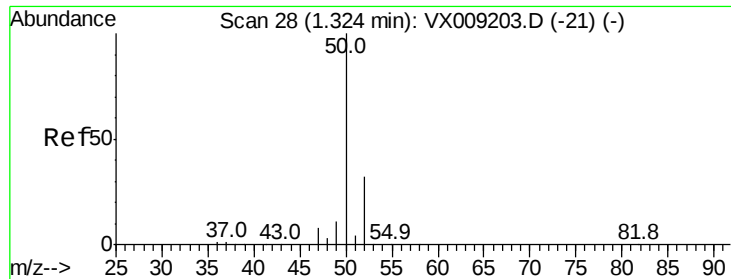
87 31.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 47.603 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

EP1-PZ-E3-4MSD

Tot Ion: 50 Resp: 98496

Ion Ratio Lower Upper

50 100

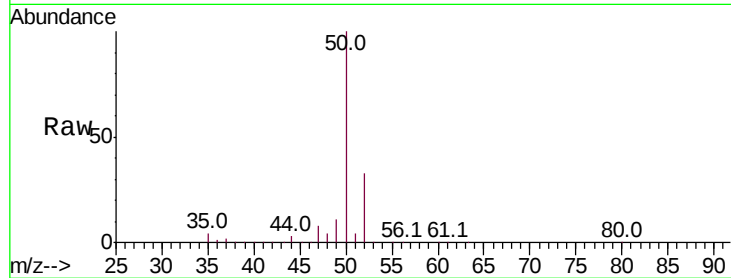
52 33.3 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

100000

80000

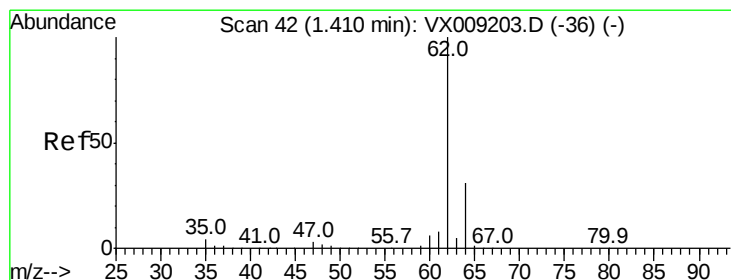
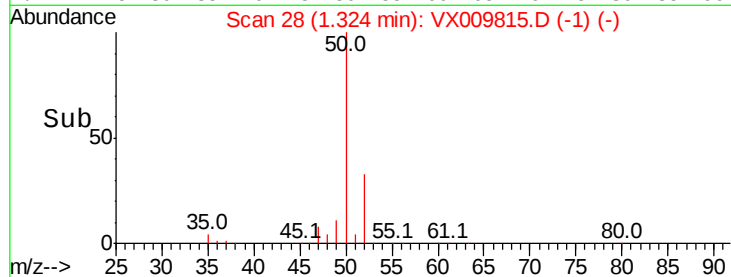
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 46.592 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009815.D

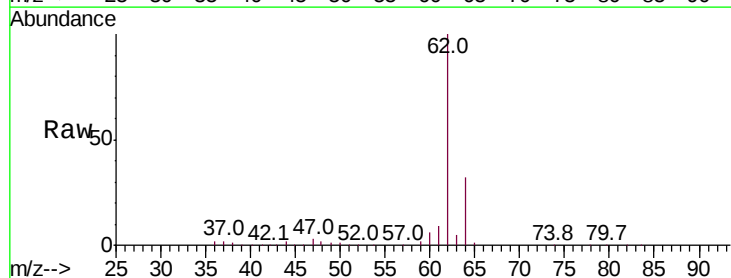
Acq: 22 May 2019 19:27

Tgt Ion: 62 Resp: 94006

Ion Ratio Lower Upper

62 100

64 31.5 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

100000

80000

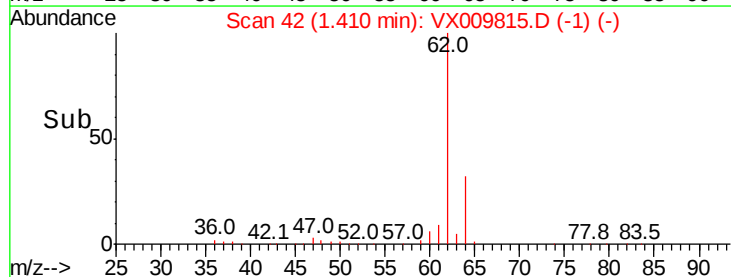
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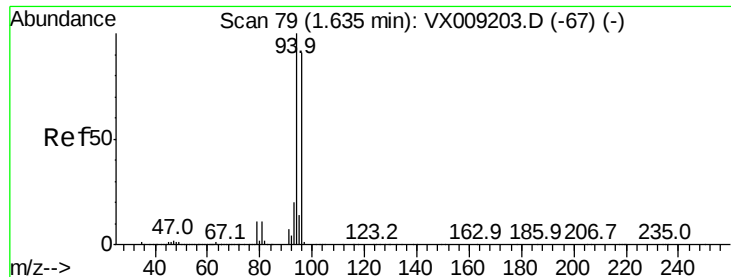
40000

20000

0

Time-->





#5

Bromomethane

Concen: 51.374 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

EP1-PZ-E3-4MSD

Tot Ion: 94 Resp: 62214

Ion Ratio Lower Upper

94 100

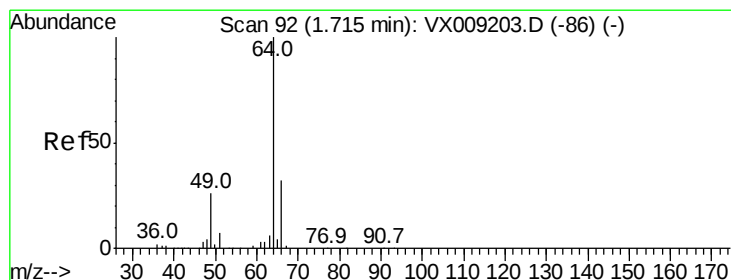
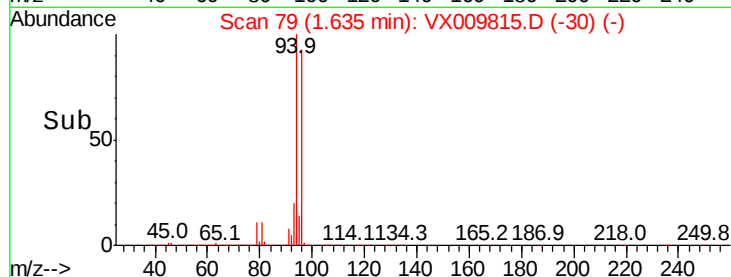
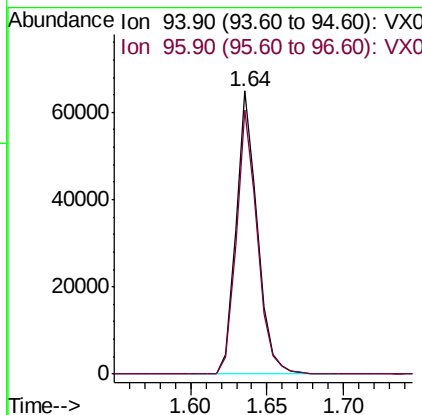
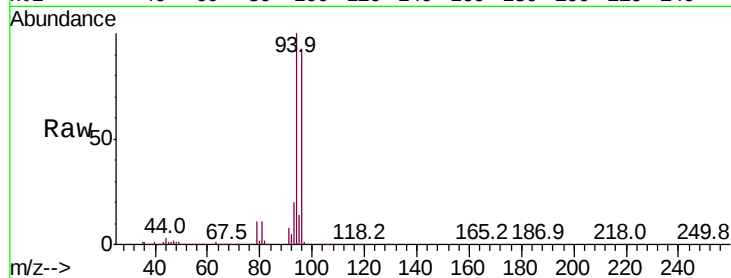
96 93.5 73.0 109.6

Manual Integrations

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#6

Chloroethane

Concen: 46.509 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX009815.D

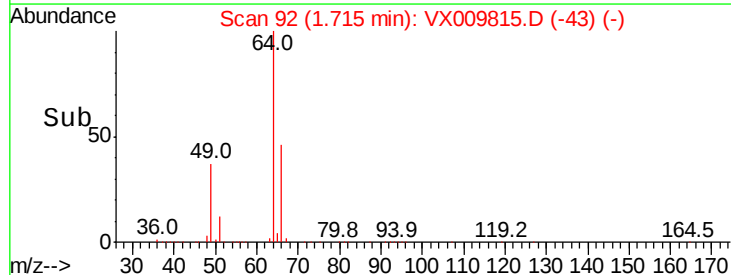
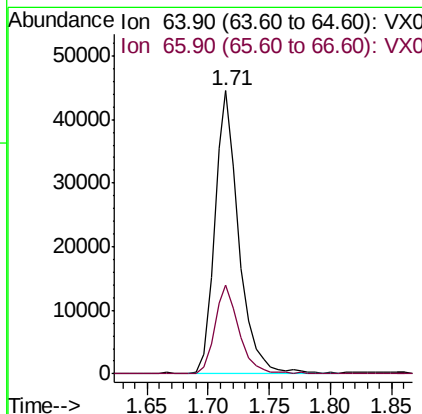
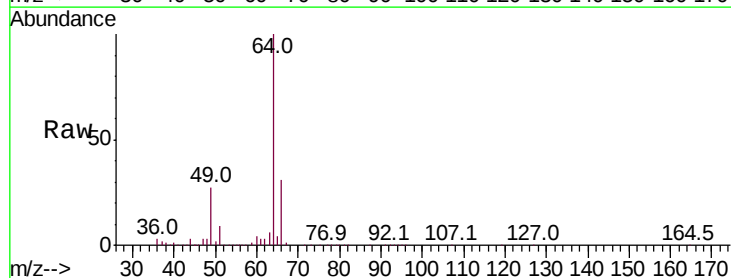
Acq: 22 May 2019 19:27

Tgt Ion: 64 Resp: 60248

Ion Ratio Lower Upper

64 100

66 31.3 25.3 37.9





#7

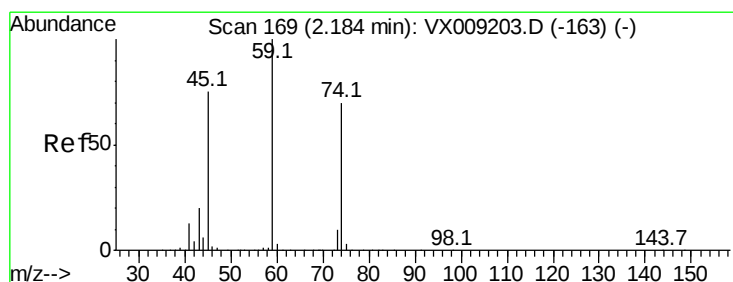
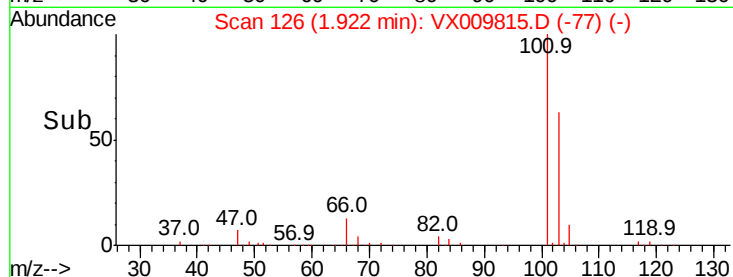
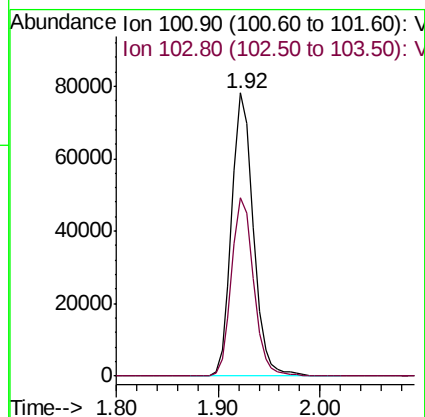
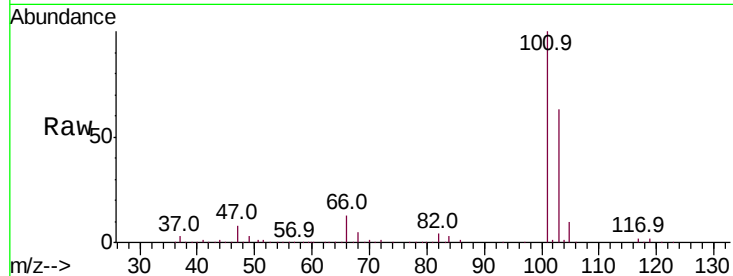
Trichlorofluoromethane
Concen: 46.773 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100	100	114712		
103	63.0	52.4	78.6		

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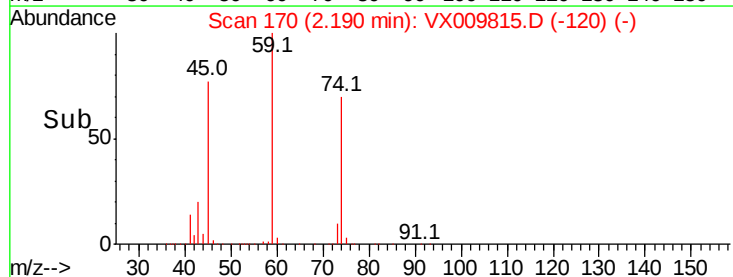
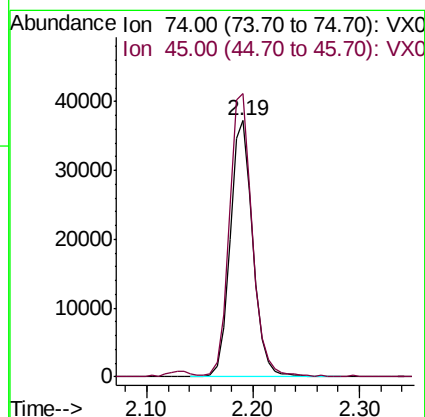
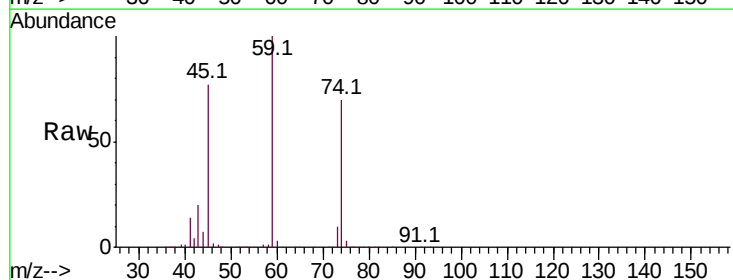
MMDadoda
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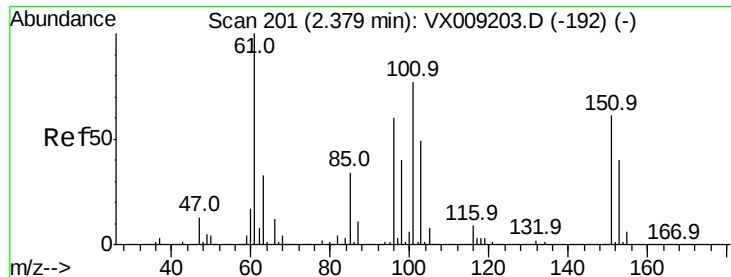


#8

Diethyl Ether
Concen: 47.818 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100	100	55551		
45	111.1	53.3	159.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.744 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

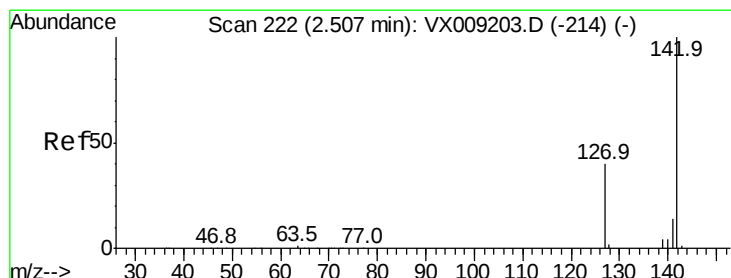
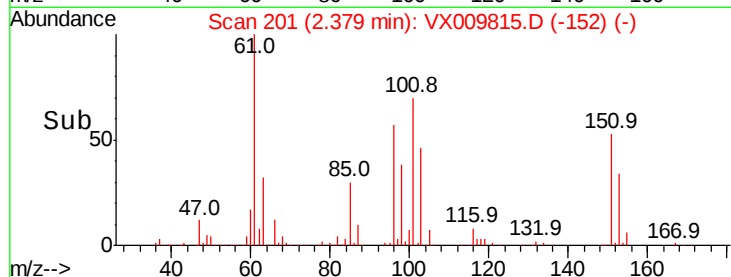
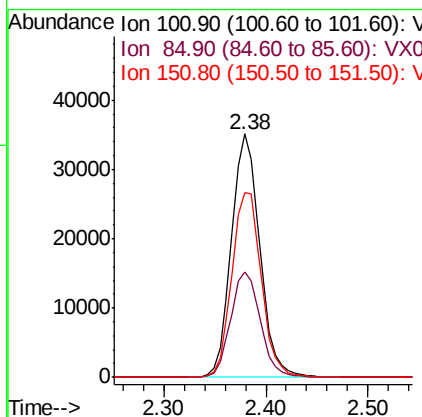
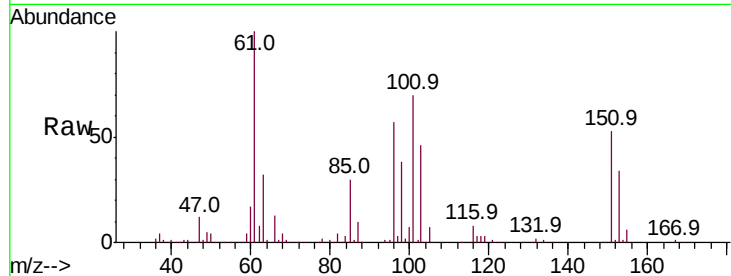
ClientSampleId :

EP1-PZ-E3-4MSD

Tot Ion:	101	Resp:	67371
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.7	53.5
151	78.9	62.2	93.2

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#10

Methyl Iodide

Concen: 49.135 ug/l

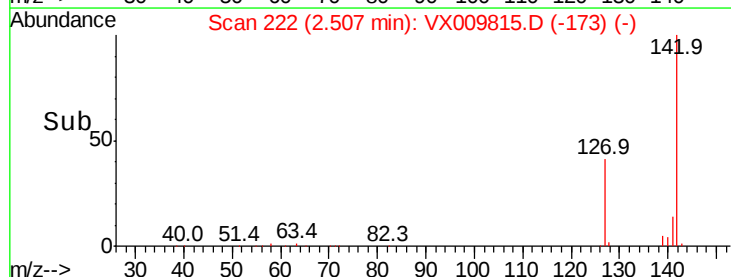
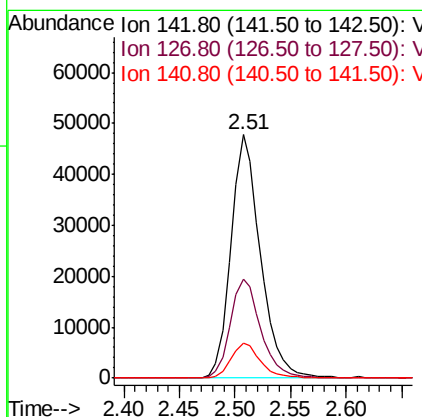
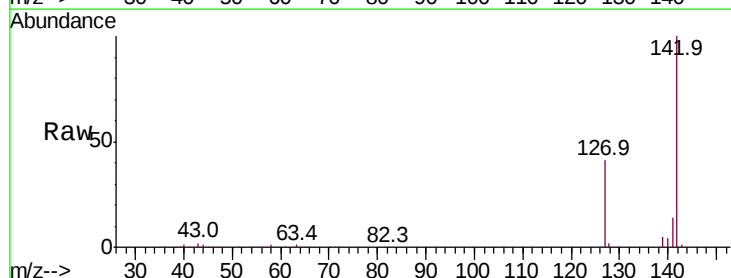
RT: 2.51 min Scan# 222

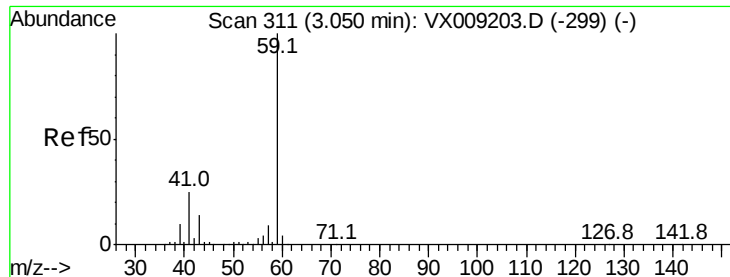
Delta R.T. 0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Tgt Ion:	142	Resp:	87768
Ion Ratio	Lower	Upper	
142	100		
127	42.2	32.7	49.1
141	14.5	11.5	17.3





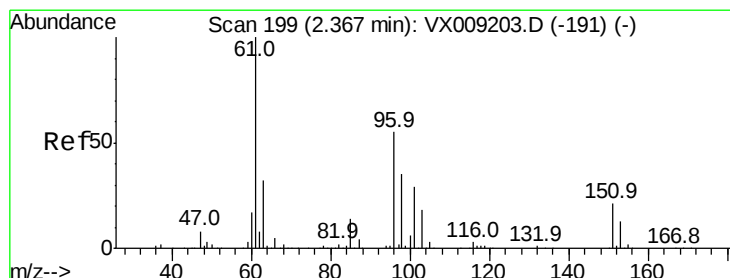
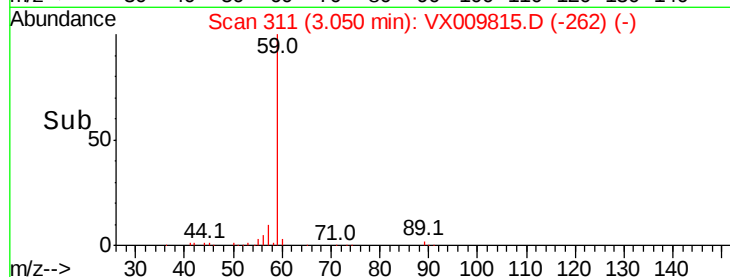
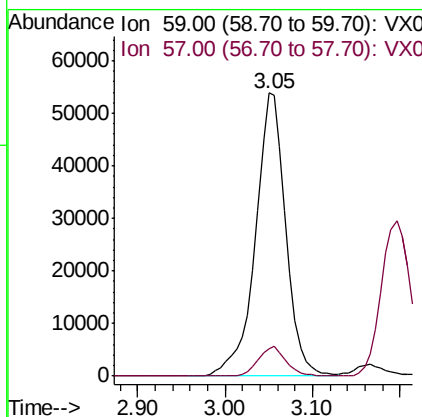
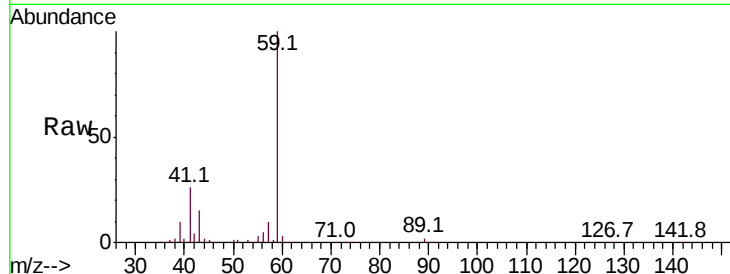
#11
Tert butyl alcohol
Concen: 250.439 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
EP1-PZ-E3-4MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.2	12.2

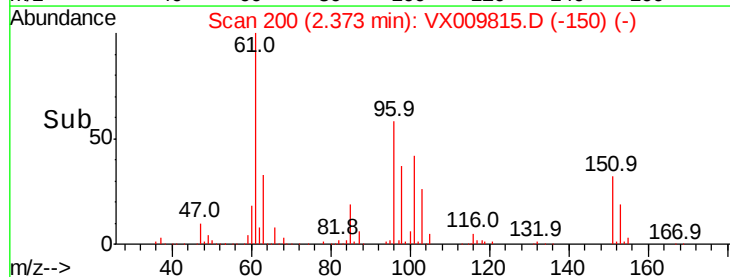
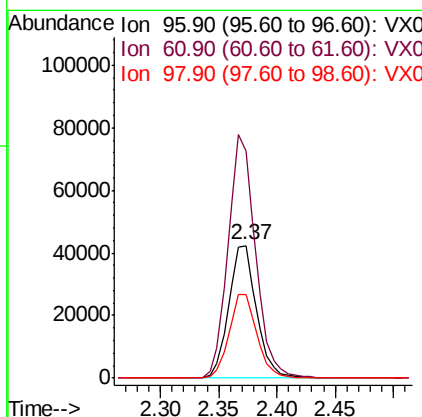
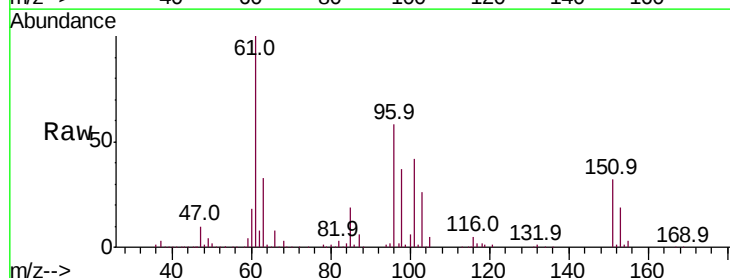
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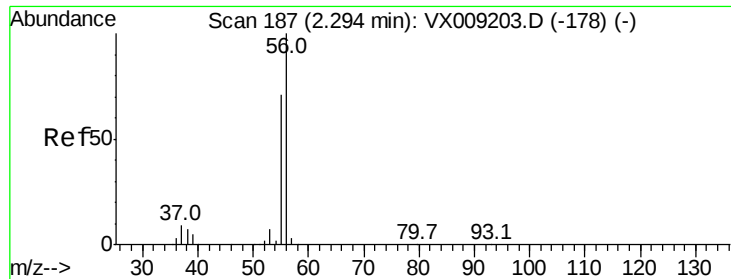
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#12
1,1-Dichloroethene
Concen: 45.892 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.4	144.3	216.5
98	63.2	50.3	75.5





#13

Acrolein

Concen: 222.507 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

ClientSampled :

EP1-PZ-E3-4MSD

Tot Ion: 56 Resp: 104721

Ion Ratio Lower Upper

56 100

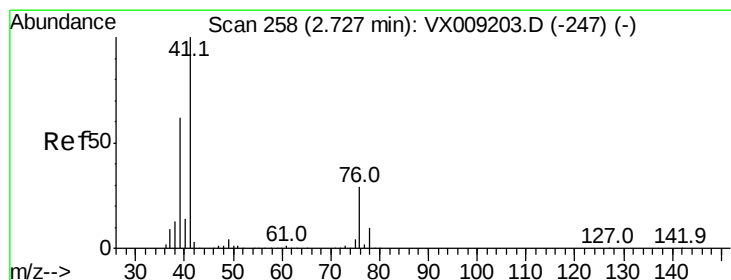
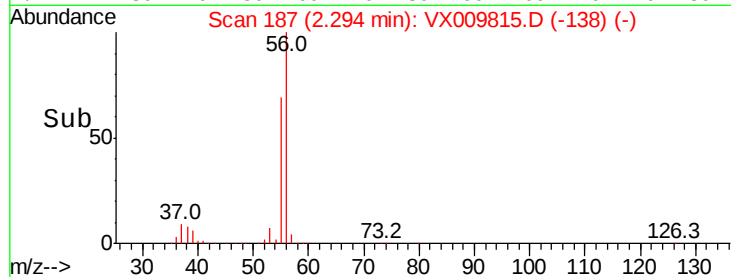
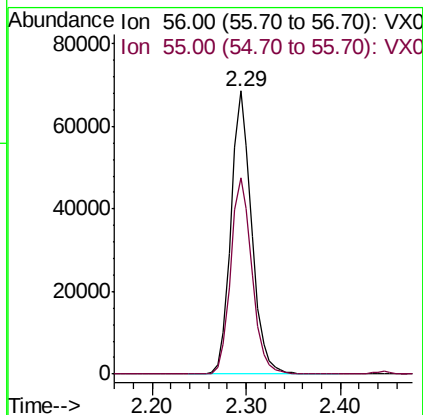
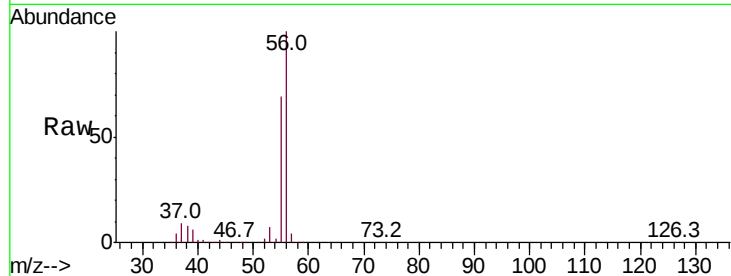
55 71.0 56.6 85.0

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#14

Allyl chloride

Concen: 47.581 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

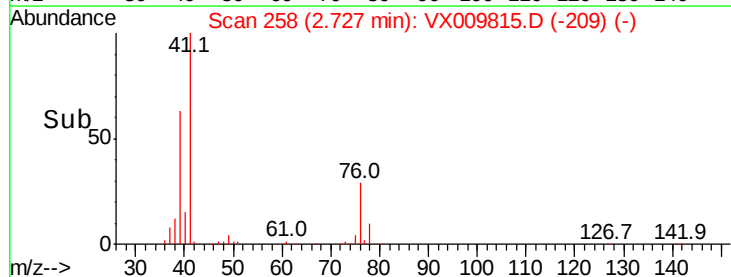
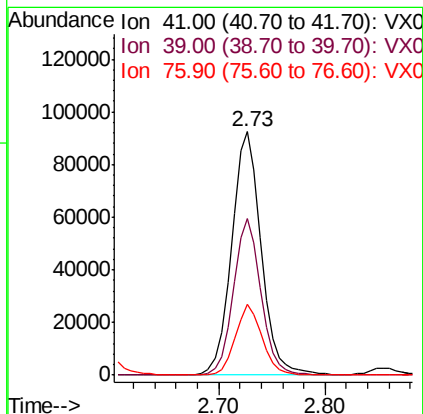
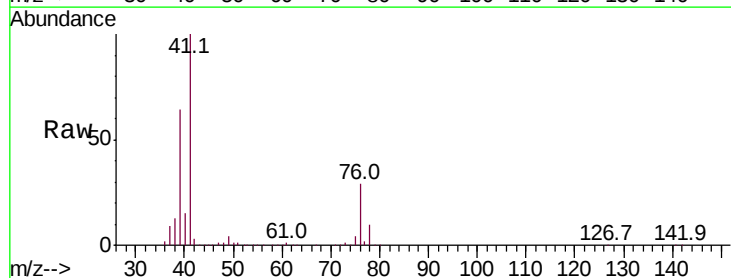
Tgt Ion: 41 Resp: 178934

Ion Ratio Lower Upper

41 100

39 60.0 46.7 70.1

76 26.2 21.8 32.8





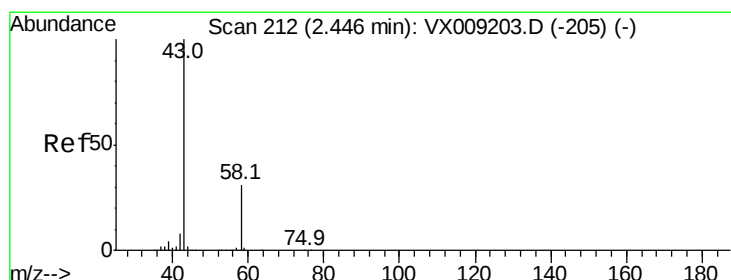
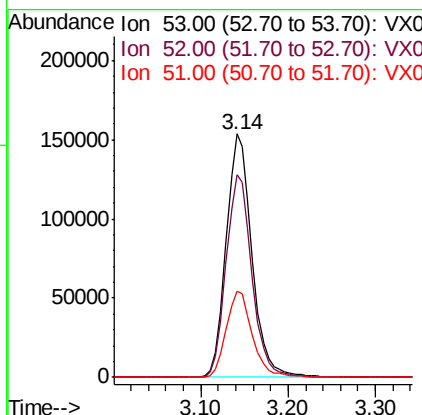
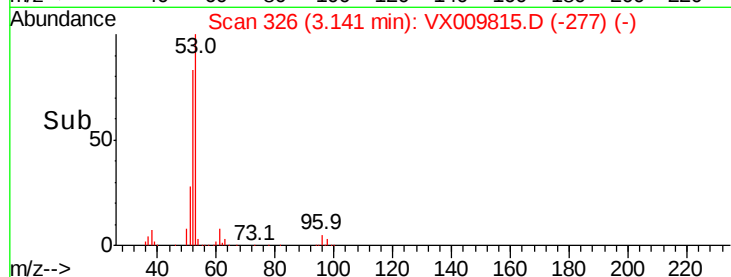
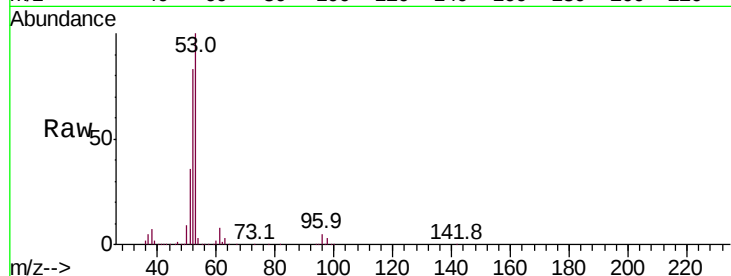
#15
 Acrylonitrile
 Concen: 245.927 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-PZ-E3-4MSD

Tot Ion:	53	Resp:	312491
Ion Ratio	Lower	Upper	
53	100		
52	84.0	66.9	100.3
51	36.4	28.2	42.2

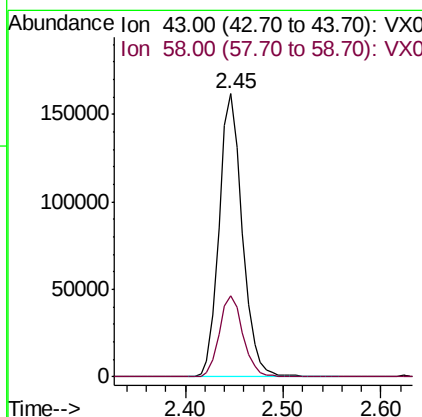
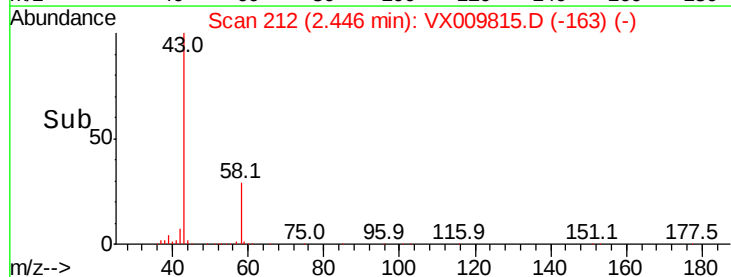
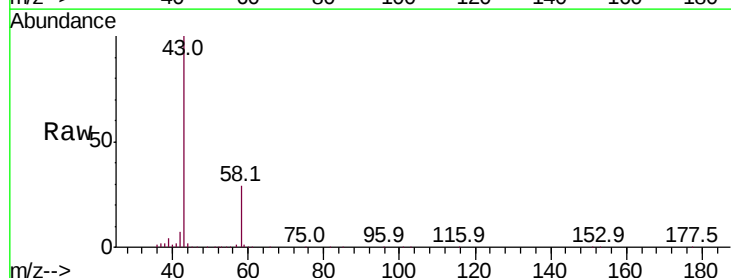
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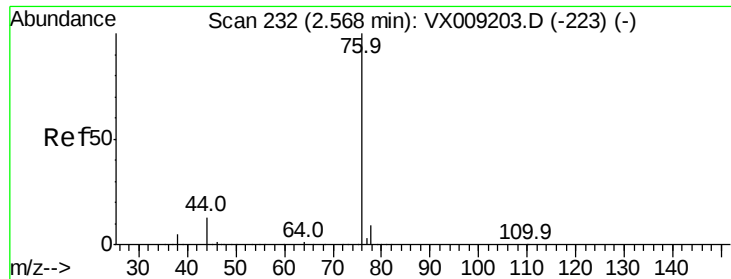
MMDadoda
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#16
 Acetone
 Concen: 220.268 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

Tgt Ion:	43	Resp:	265538
Ion Ratio	Lower	Upper	
43	100		
58	28.7	24.9	37.3





#17

Carbon Disulfide

Concen: 48.376 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

EP1-PZ-E3-4MSD

Tot Ion: 76 Resp: 209587

Ion Ratio Lower Upper

76 100

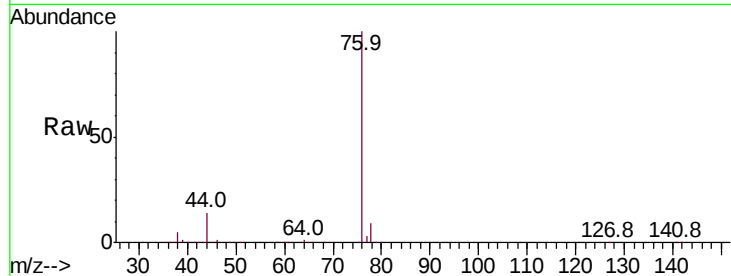
78 9.0 7.4 11.0

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

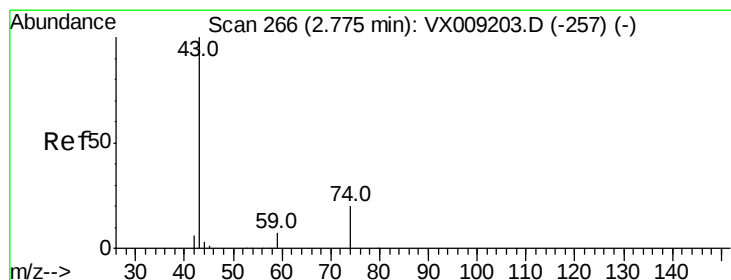
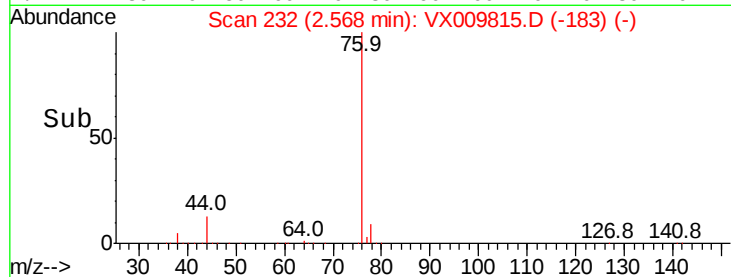
2.57

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.148 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX009815.D

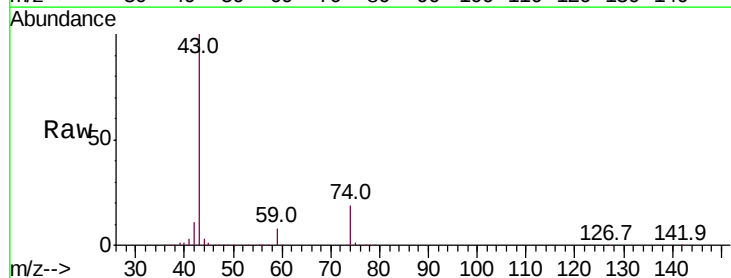
Acq: 22 May 2019 19:27

Tgt Ion: 43 Resp: 135172

Ion Ratio Lower Upper

43 100

74 19.7 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

80000

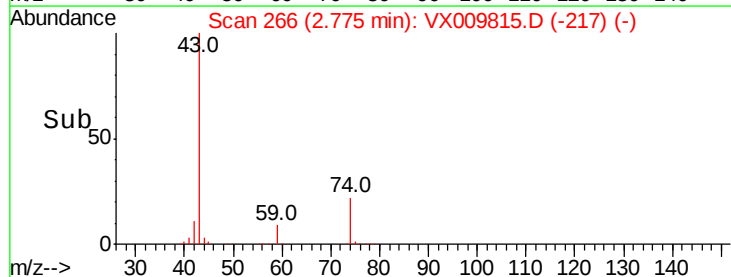
60000

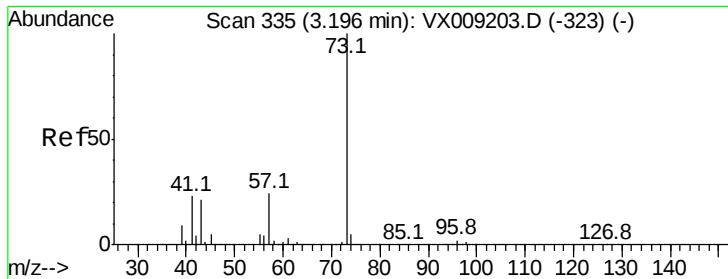
40000

20000

0

Time-->





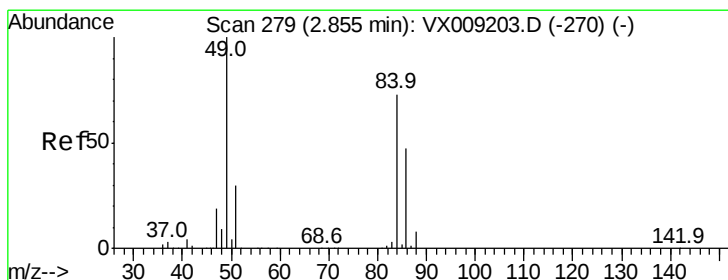
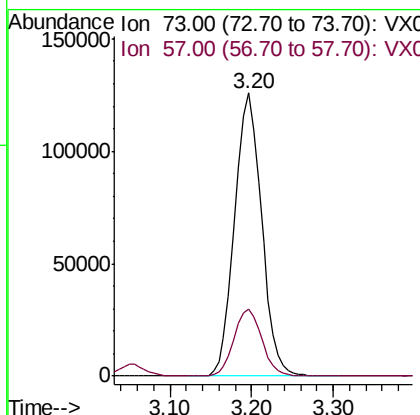
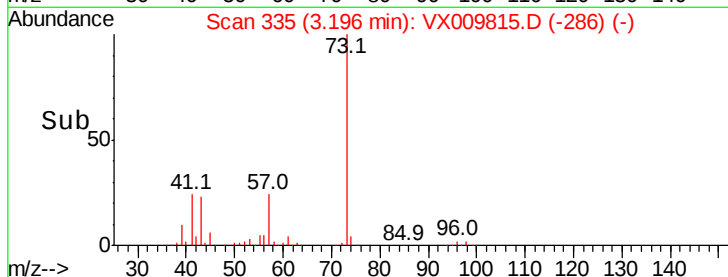
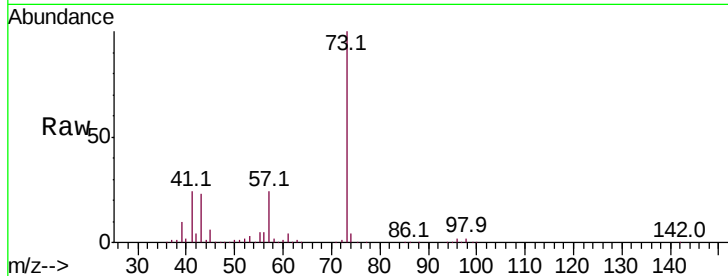
#19
Methyl tert-butyl Ether
Concen: 48.081 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
EP1-PZ-E3-4MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.3	28.9

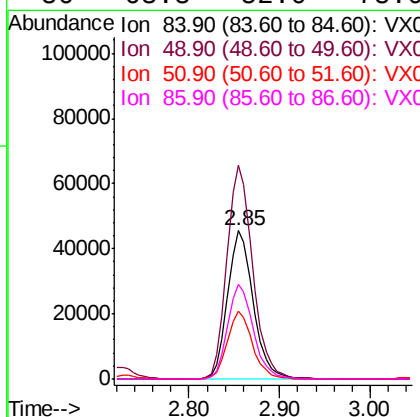
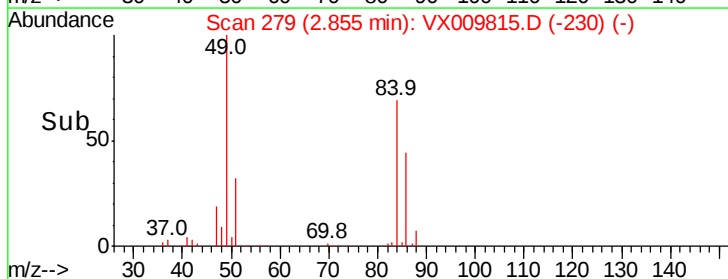
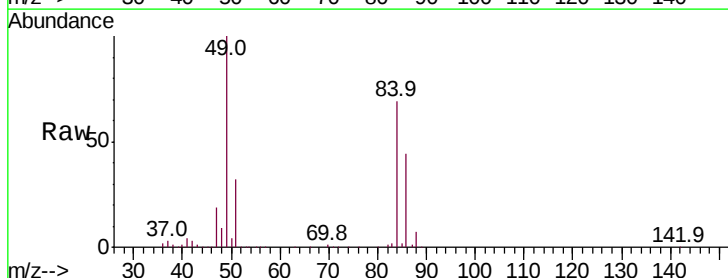
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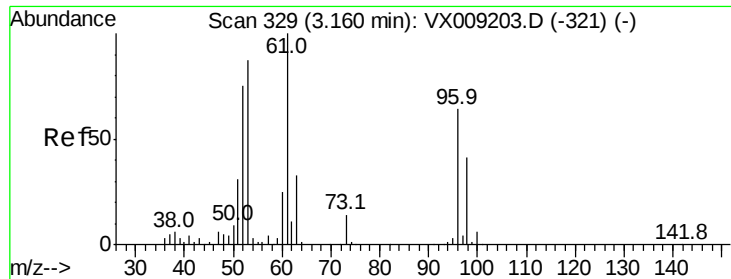
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#20
Methylene Chloride
Concen: 45.841 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	144.4	109.9	164.9
51	46.2	32.7	49.1
86	63.8	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 46.626 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

EP1-PZ-E3-4MSD

Tot Ion: 96 Resp: 78030

Ion Ratio Lower Upper

96 100

61 164.6 124.5 186.7

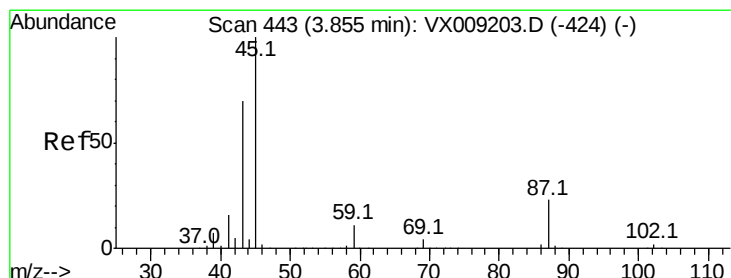
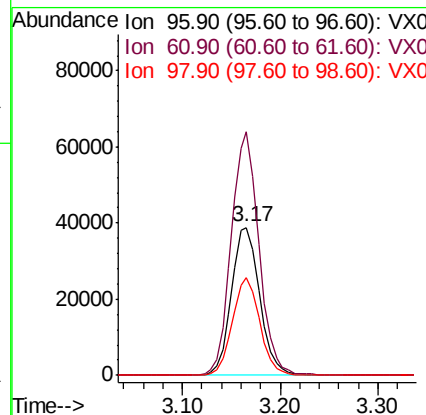
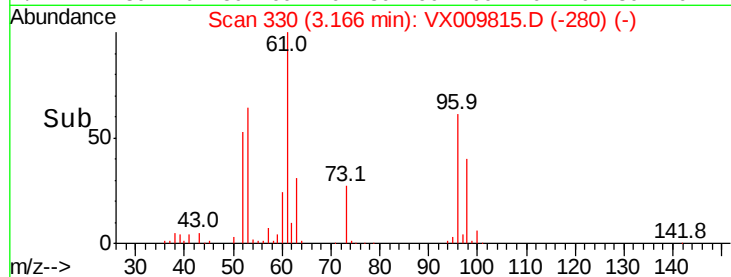
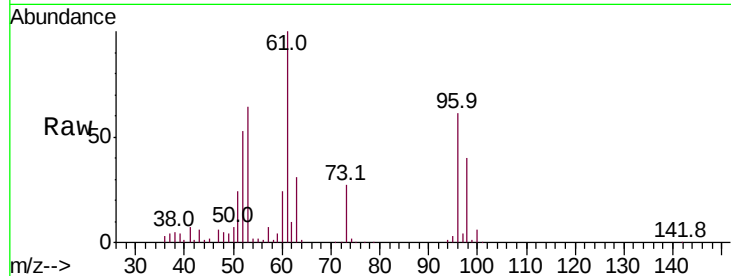
98 66.1 50.4 75.6

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#22

Diisopropyl ether

Concen: 49.091 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Tgt Ion: 45 Resp: 355030

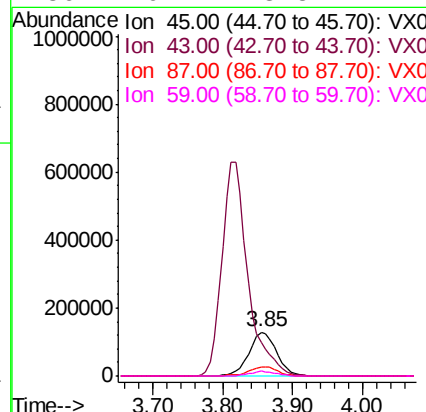
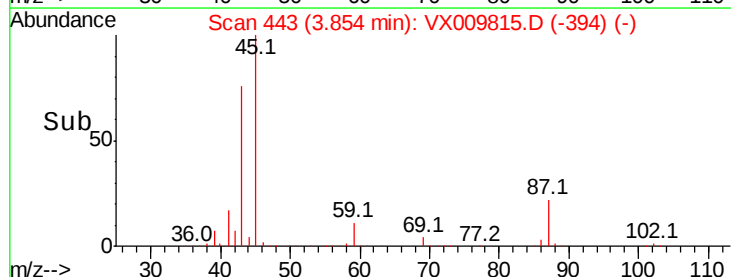
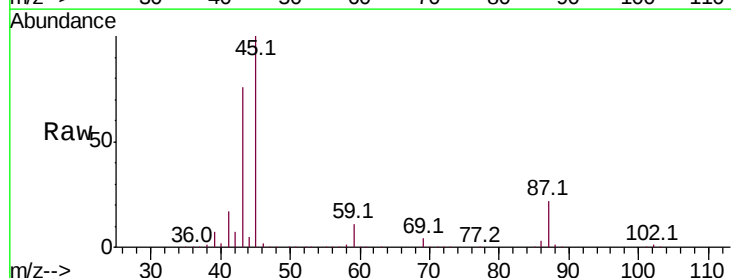
Ion Ratio Lower Upper

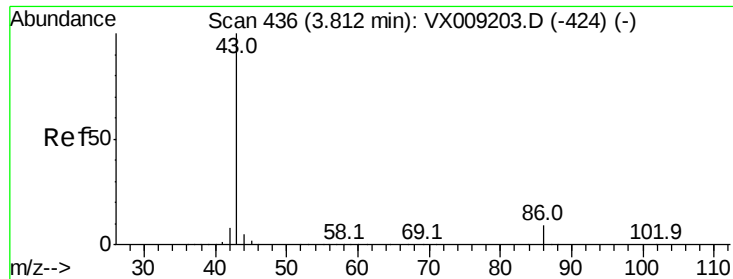
45 100

43 75.8 56.1 84.1

87 22.0 18.1 27.1

59 10.7 8.5 12.7





#23

Vinyl Acetate

Concen: 263.261 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

EP1-PZ-E3-4MSD

Tot Ion: 43 Resp: 1630347

Ion Ratio Lower Upper

43 100

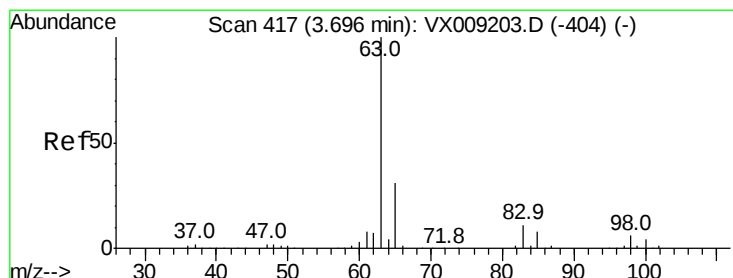
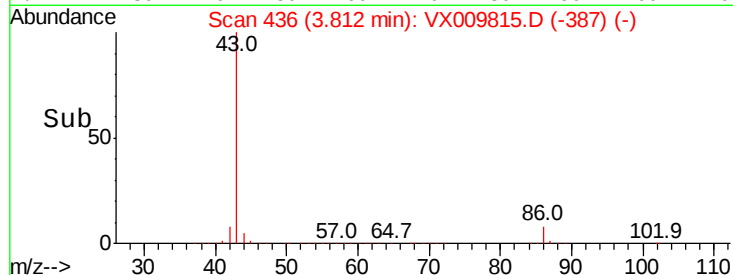
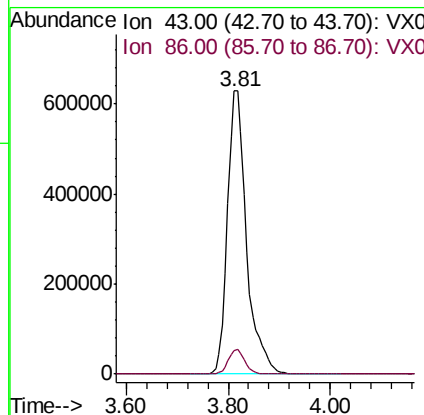
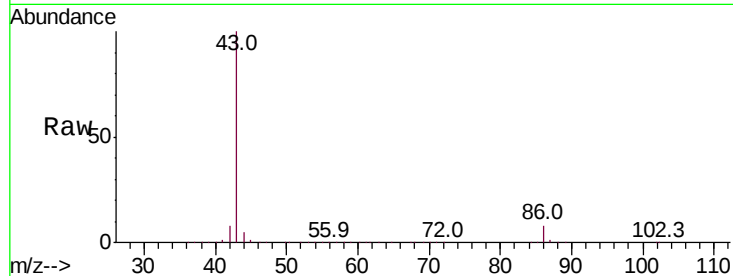
86 8.2 6.9 10.3

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#24

1,1-Dichloroethane

Concen: 47.152 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

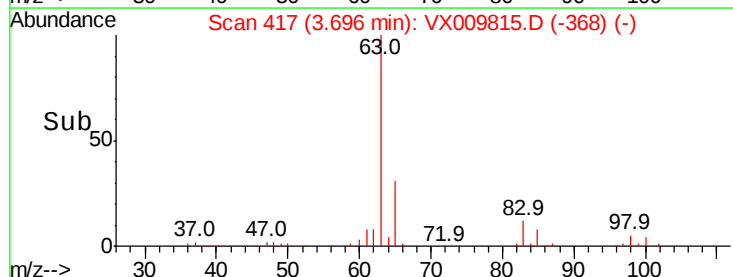
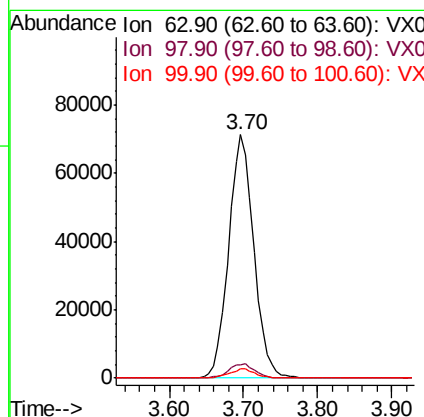
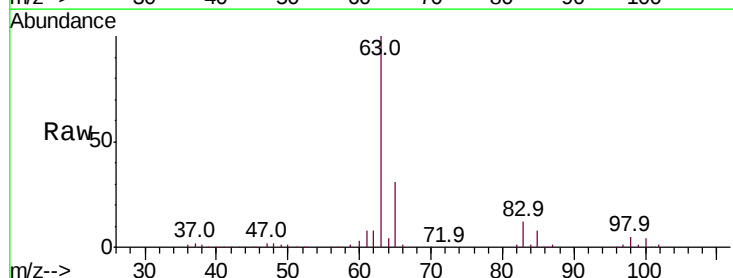
Tgt Ion: 63 Resp: 168223

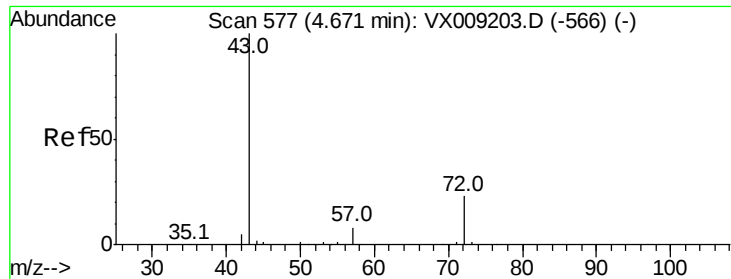
Ion Ratio Lower Upper

63 100

98 5.3 3.0 9.2

100 3.8 2.0 6.0





#25

2-Butanone

Concen: 248.777 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

EP1-PZ-E3-4MSD

Tot Ion: 43 Resp: 466046

Ion Ratio Lower Upper

43 100

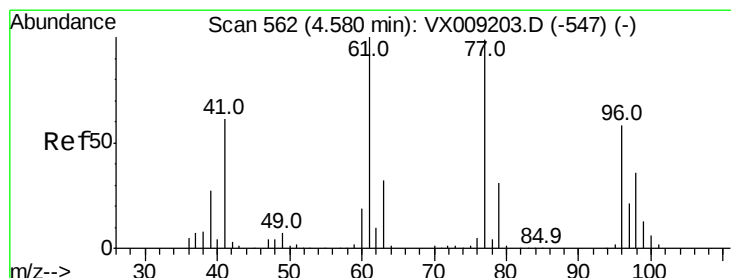
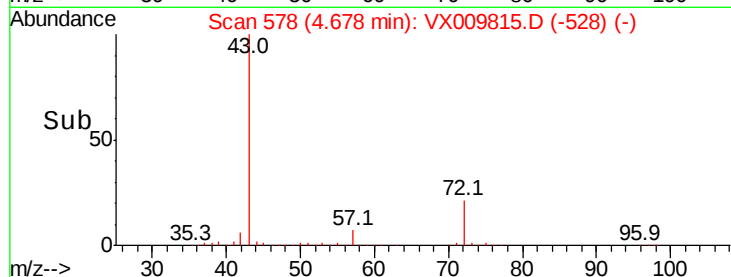
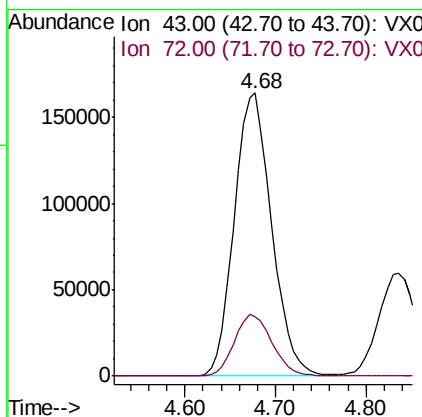
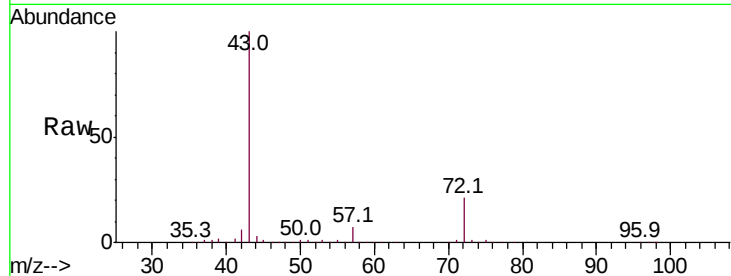
72 20.9 18.2 27.2

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#26

2,2-Dichloropropane

Concen: 43.411 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009815.D

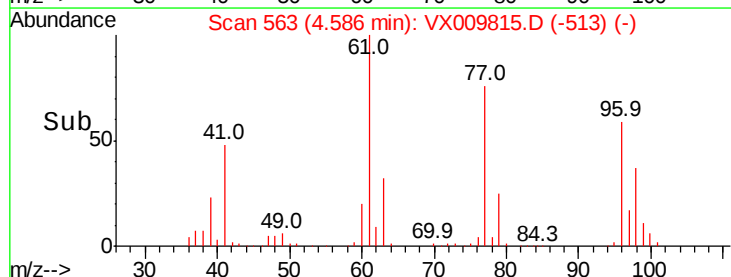
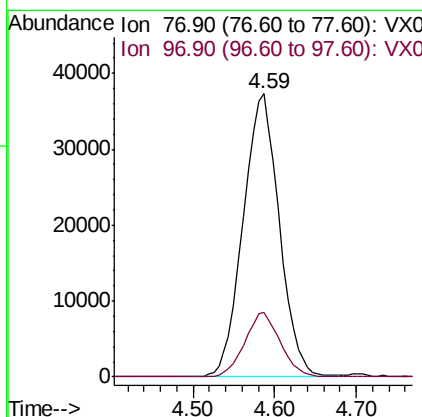
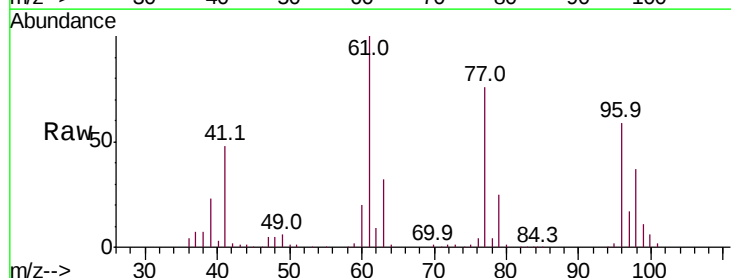
Acq: 22 May 2019 19:27

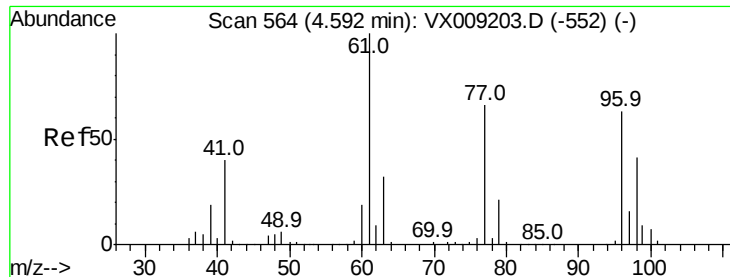
Tgt Ion: 77 Resp: 115279

Ion Ratio Lower Upper

77 100

97 22.5 11.5 34.4





#27

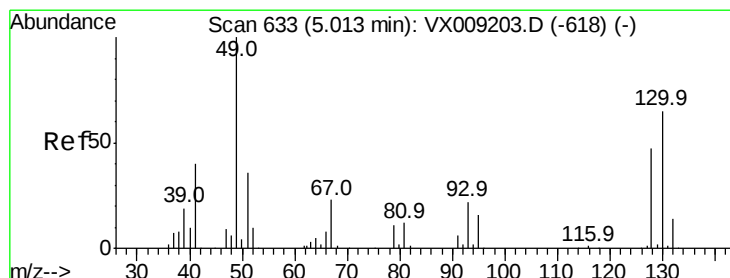
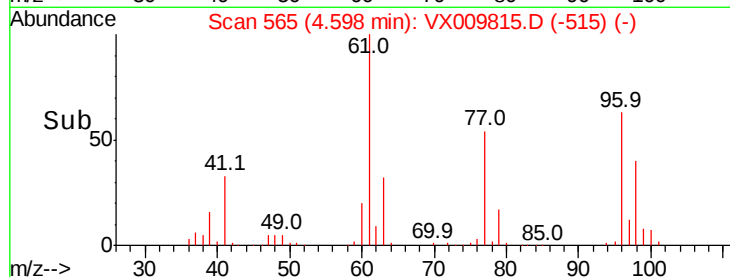
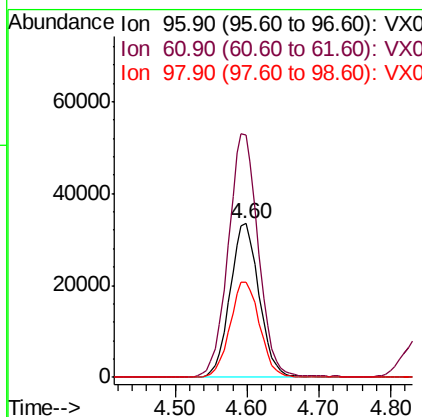
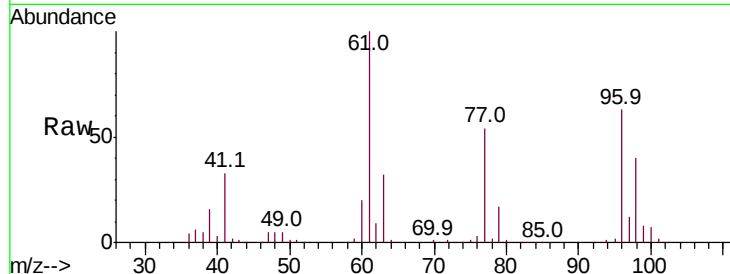
cis-1,2-Dichloroethene
Concen: 46.957 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
EP1-PZ-E3-4MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.8	0.0	324.0
98	63.5	0.0	130.4

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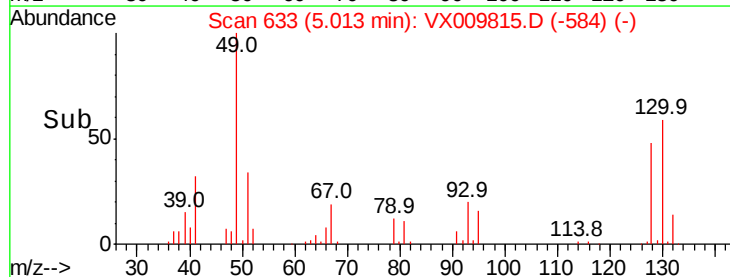
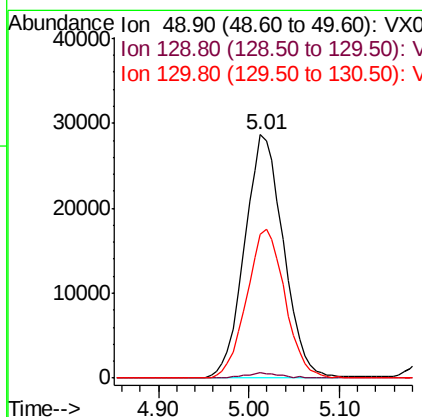
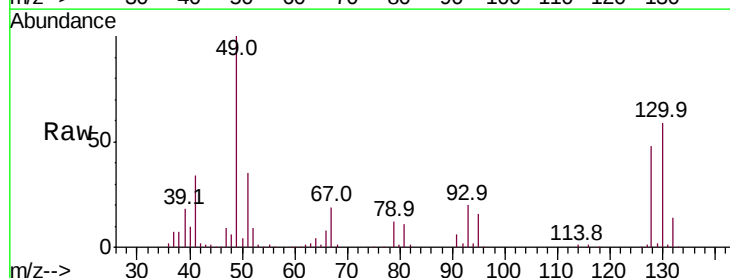
MMDadoda
5/23/2019 10:45:07 AM

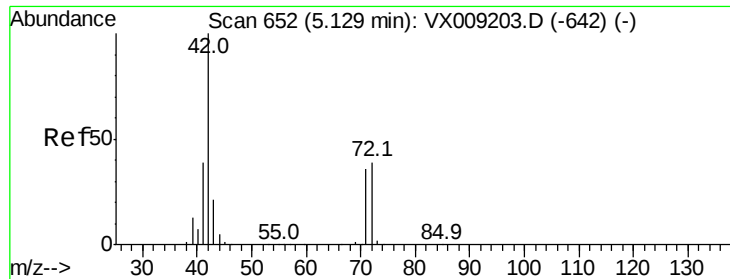


#28

Bromochloromethane
Concen: 59.691 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	60.4	51.2	76.8





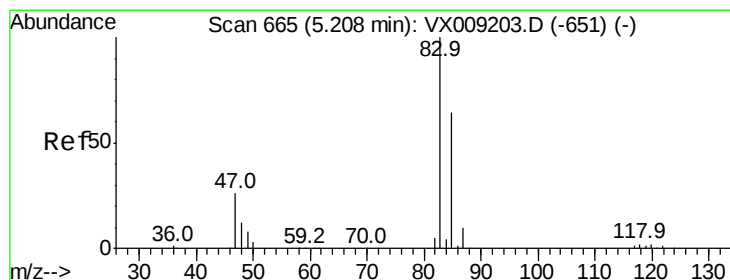
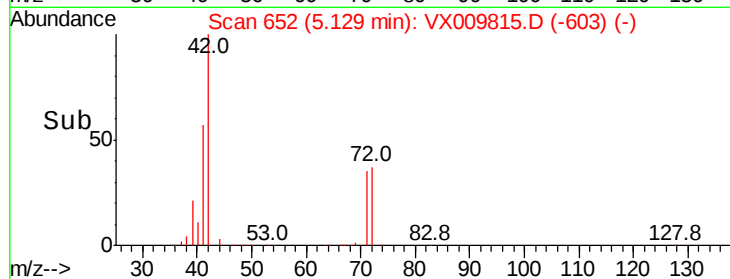
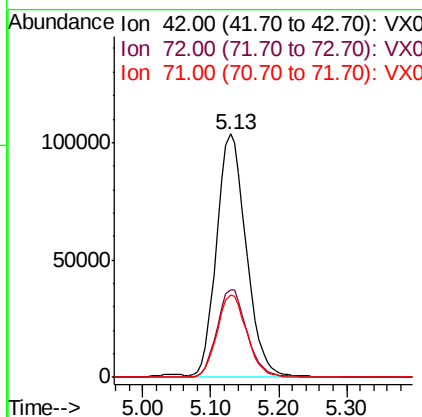
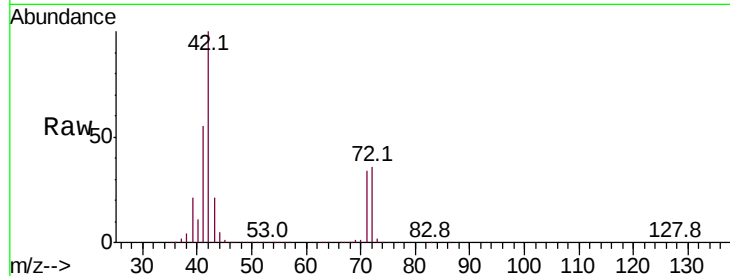
#29
Tetrahydrofuran
Concen: 259.076 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
EP1-PZ-E3-4MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	30.4	45.6
71	34.3	28.6	43.0

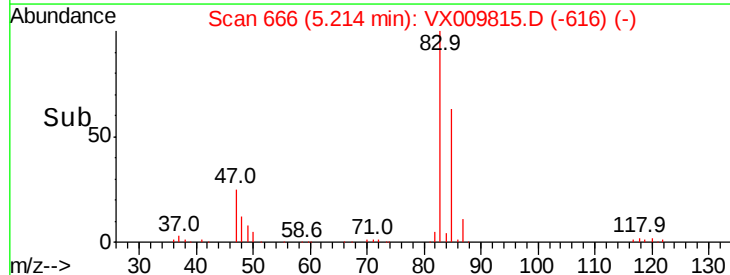
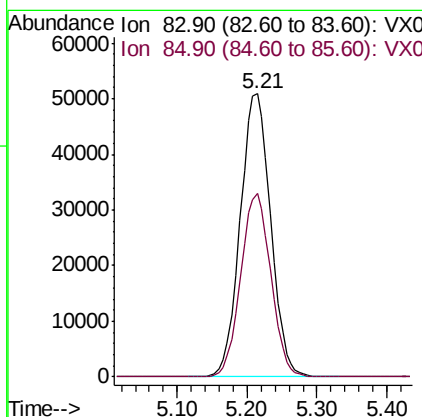
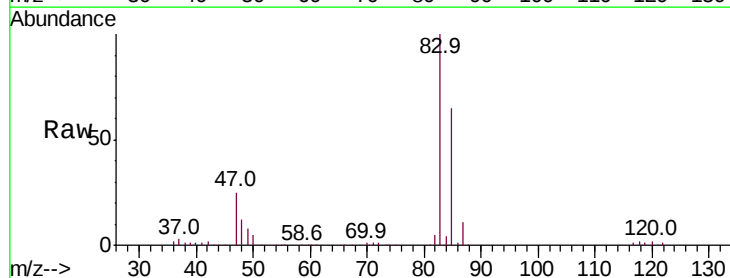
Manual Integrations
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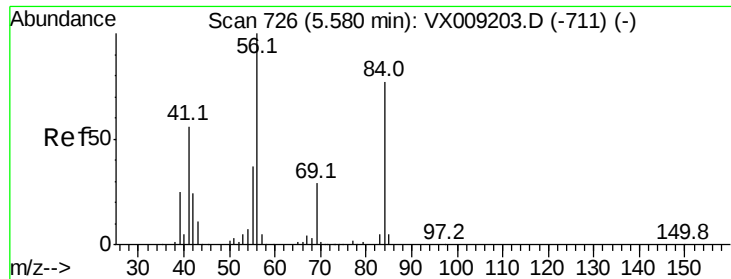
MMDadoda
5/23/2019 10:45:07 AM



#30
Chloroform
Concen: 47.745 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.5	77.3





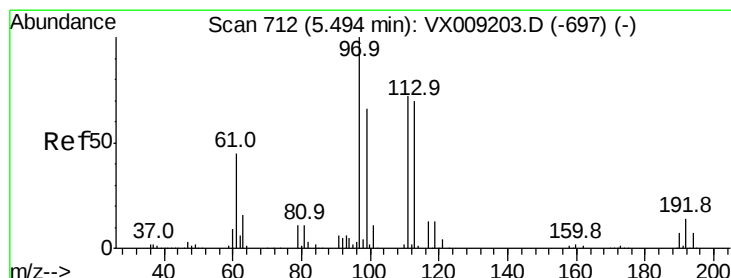
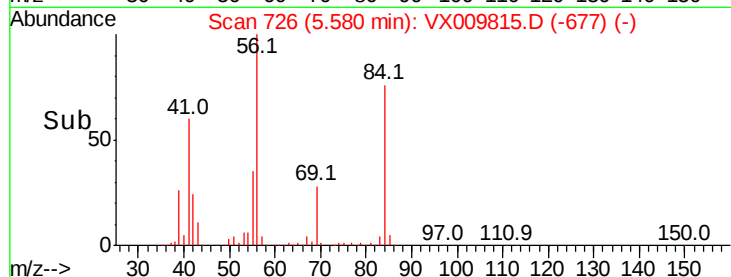
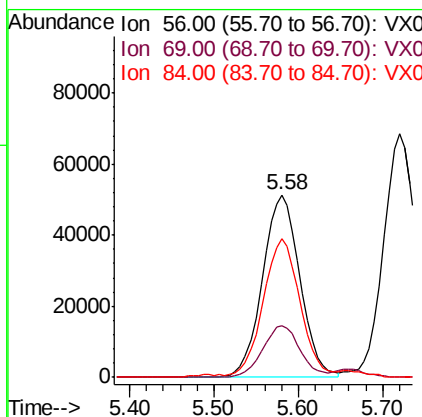
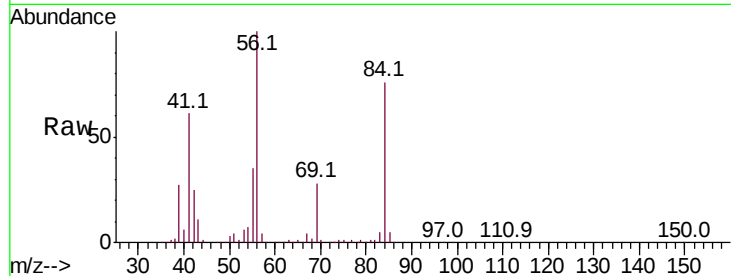
#31
Cyclohexane
Concen: 47.458 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
EP1-PZ-E3-4MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.4	23.4	35.0
84	75.2	61.9	92.9

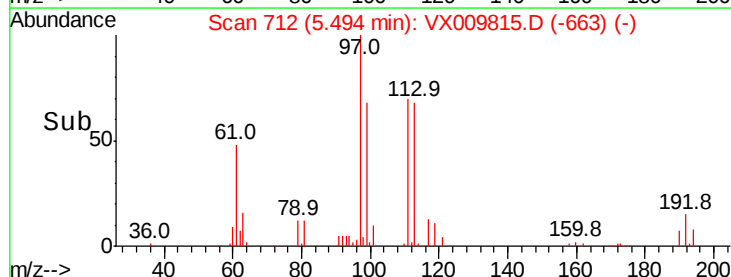
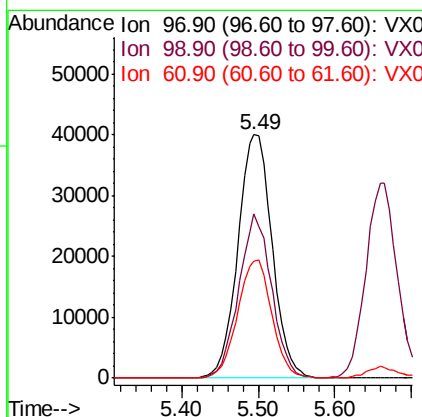
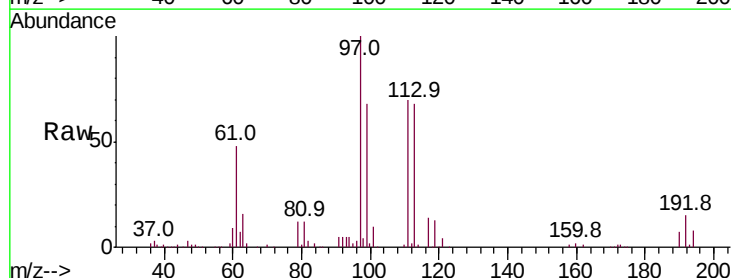
Manual Integrations
APPROVED

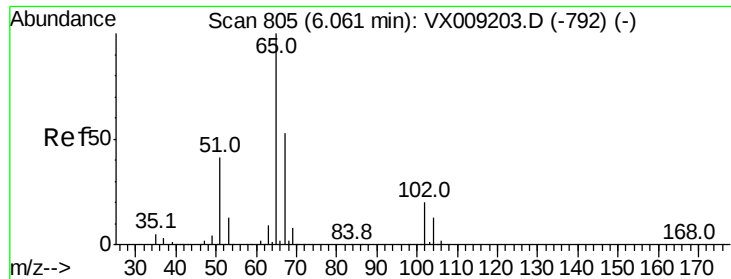
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 46.358 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.8	77.8
61	48.6	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 49.333 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

EP1-PZ-E3-4MSD

Tot Ion: 65 Resp: 110757

Ion Ratio Lower Upper

65 100

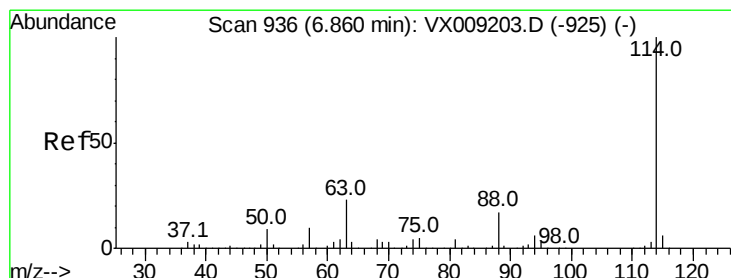
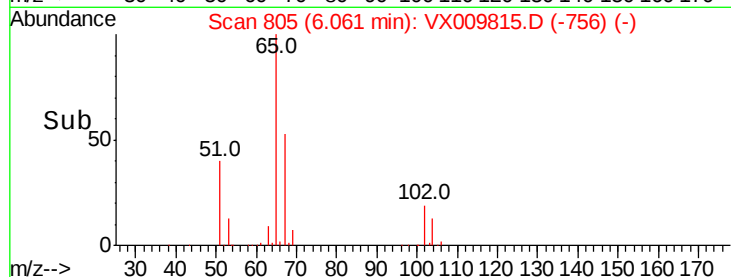
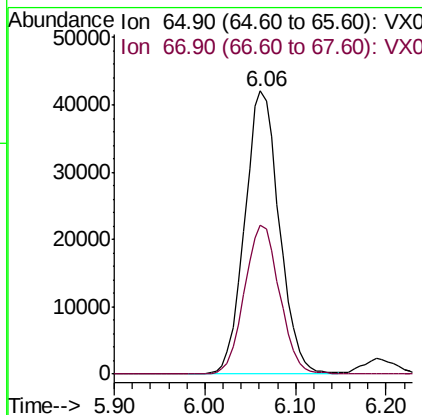
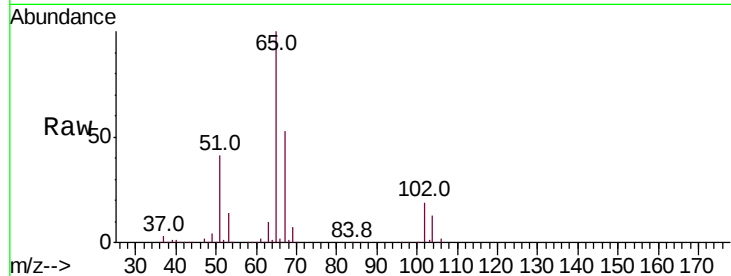
67 53.8 0.0 106.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

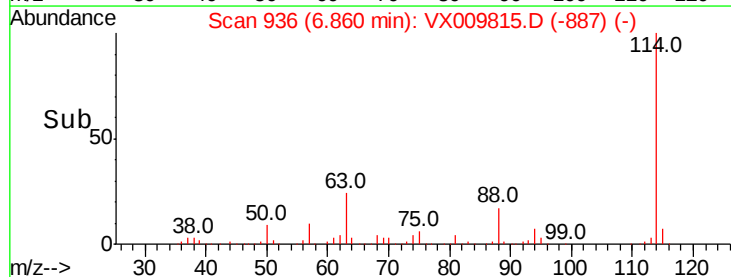
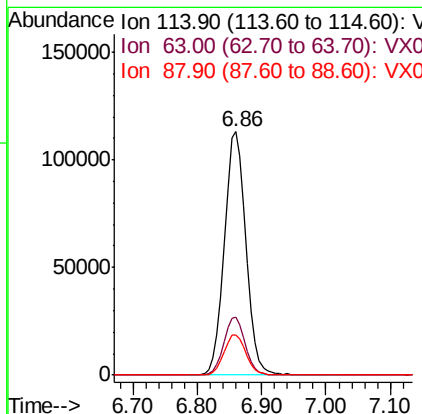
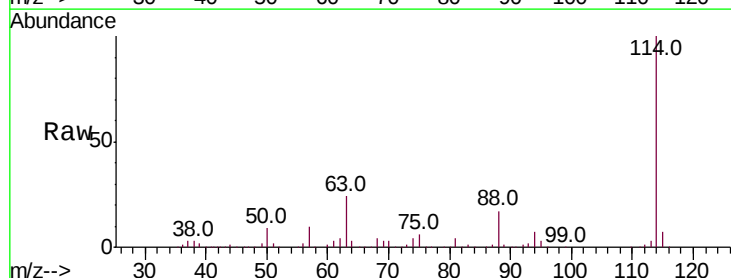
Tgt Ion: 114 Resp: 268599

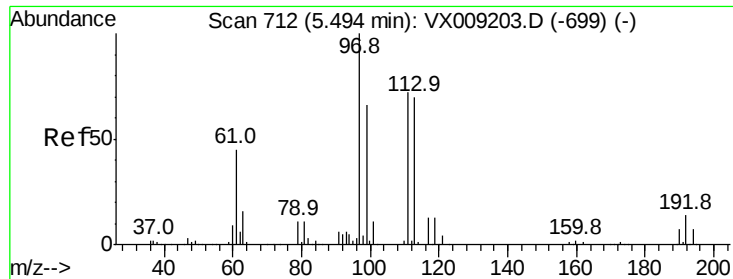
Ion Ratio Lower Upper

114 100

63 23.8 0.0 45.6

88 16.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 46.576 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

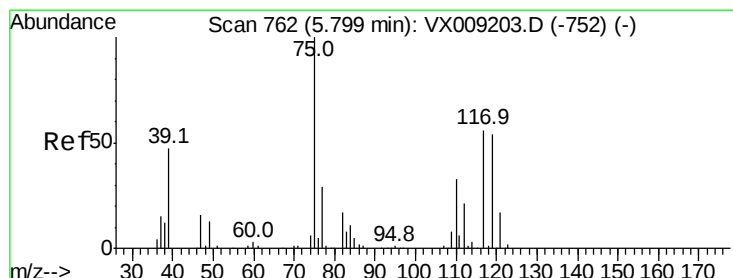
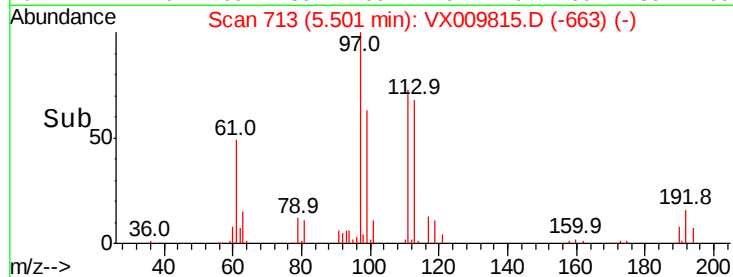
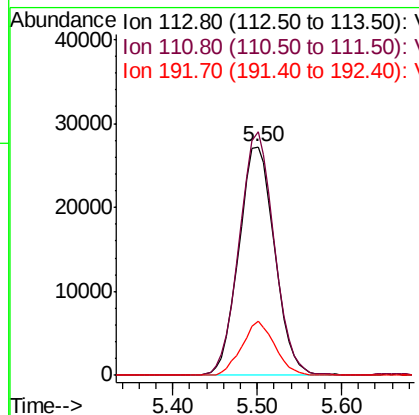
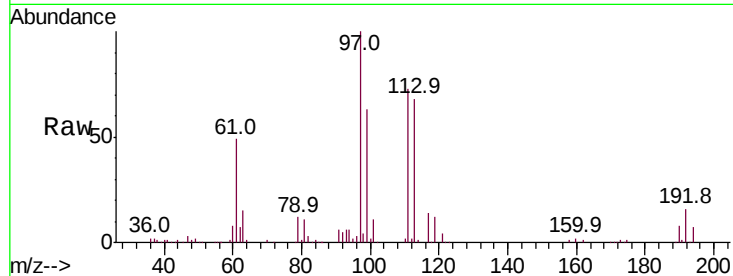
ClientSampleId :

EP1-PZ-E3-4MSD

Tot Ion:	113	Resp:	78644
Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.8	124.2
192	21.9	17.0	25.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 46.040 ug/l

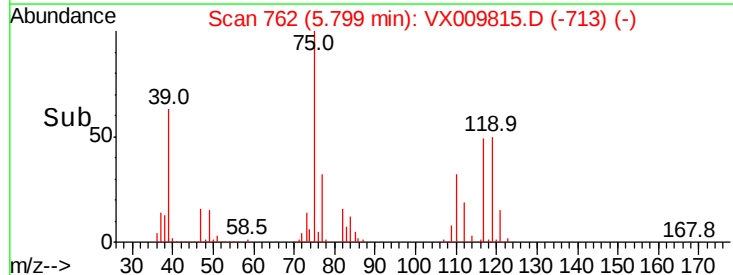
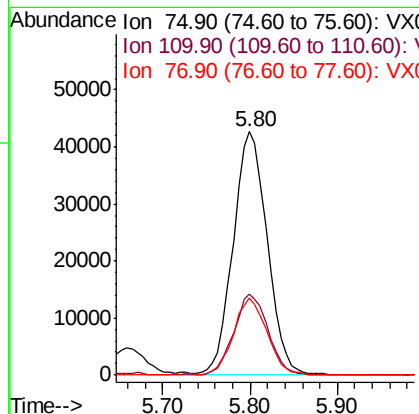
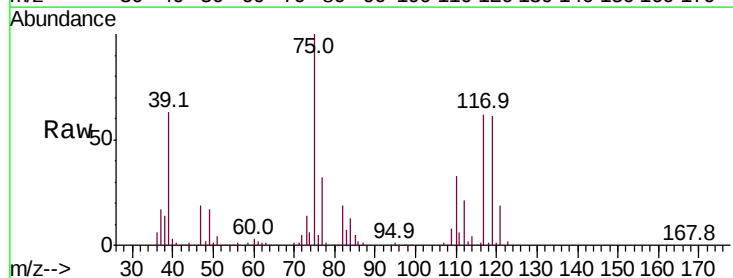
RT: 5.80 min Scan# 762

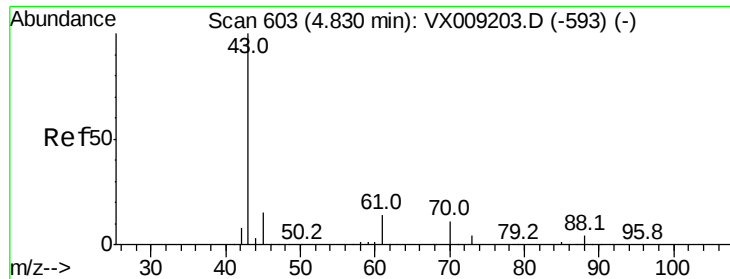
Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Tgt Ion:	75	Resp:	114921
Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	31.5	24.8	37.2





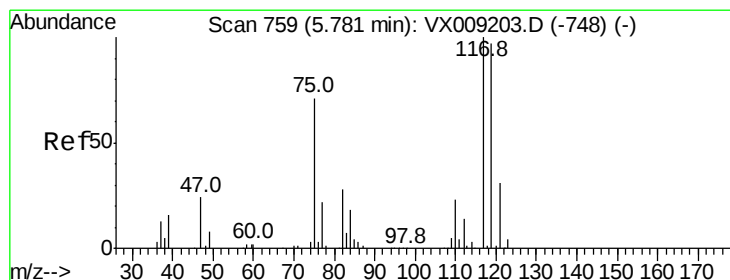
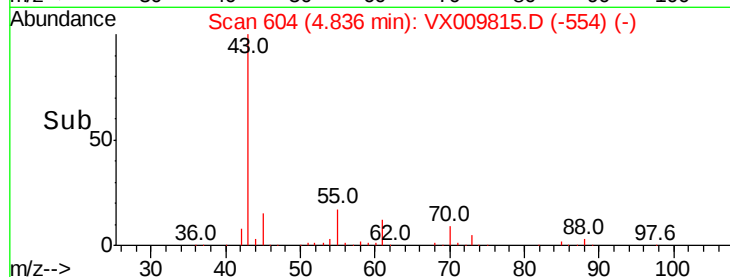
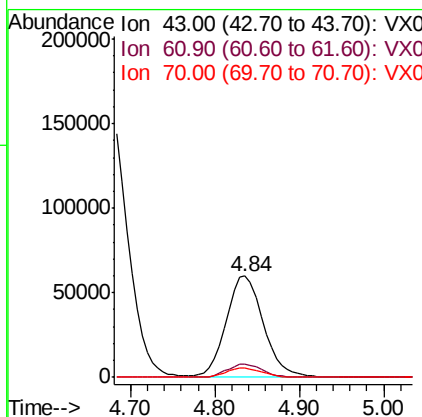
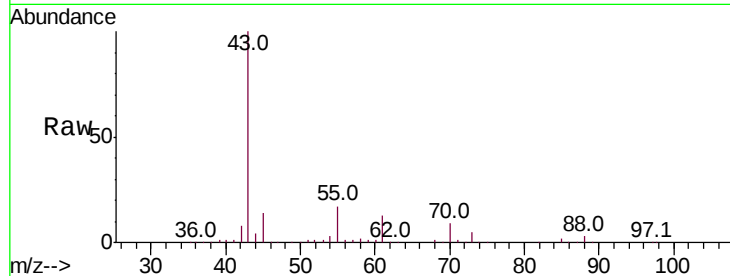
#37
Ethyl Acetate
Concen: 51.013 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
EP1-PZ-E3-4MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.5	15.7
70	9.2	7.9	11.9

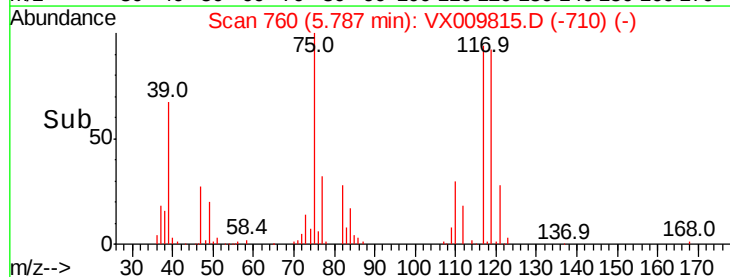
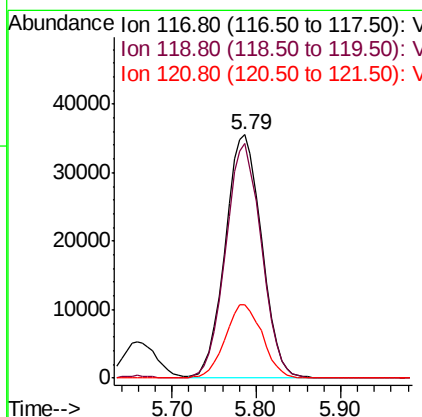
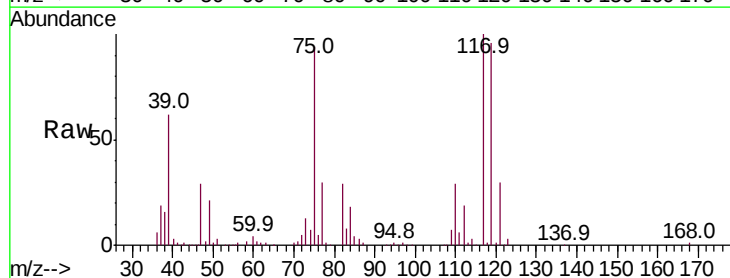
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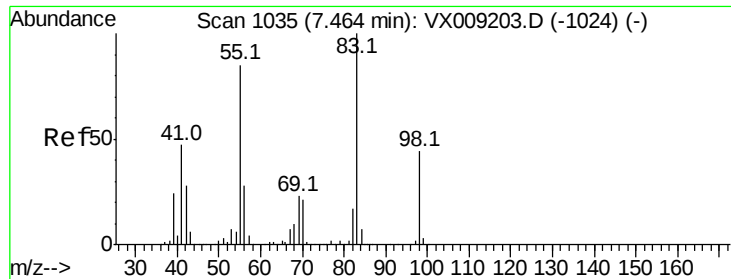
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5/23/2019 10:45:07 AM



#38
Carbon Tetrachloride
Concen: 46.021 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.5	116.3
121	29.9	24.7	37.1





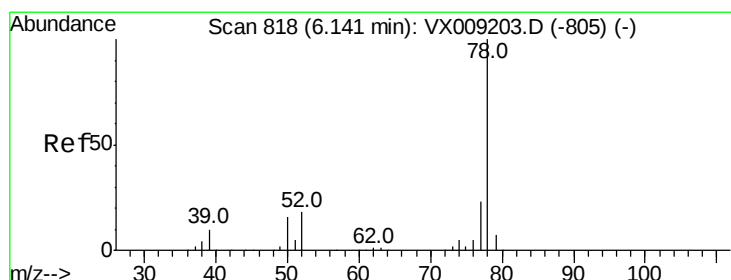
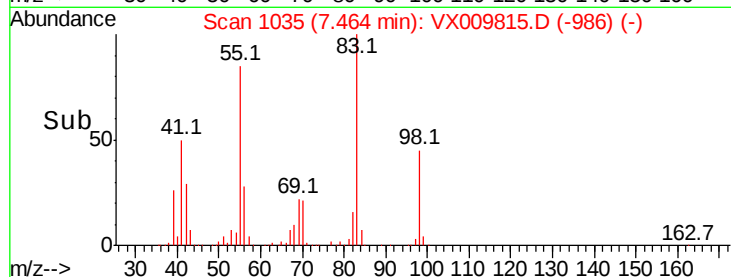
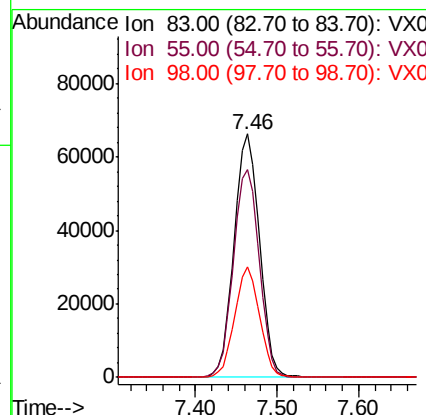
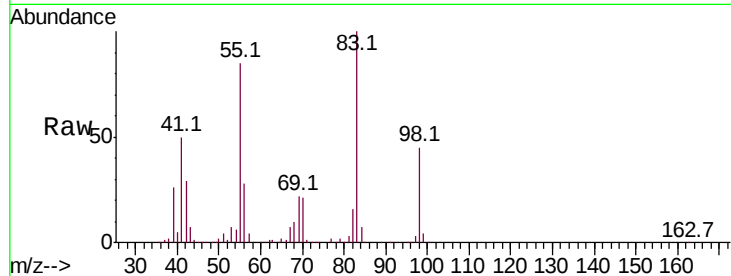
#39
Methvlcvclohexane
Concen: 46.290 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
EP1-PZ-E3-4MSD

Tot Ion	83	Resp	141900
Ion Ratio	100	Lower	Upper
83	100		
55	85.3	67.7	101.5
98	45.4	35.5	53.3

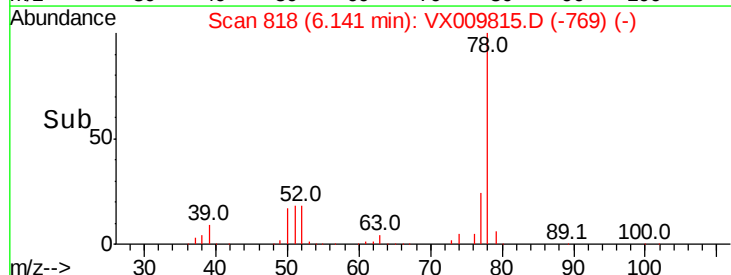
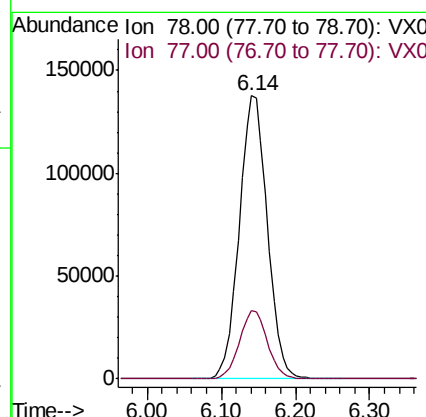
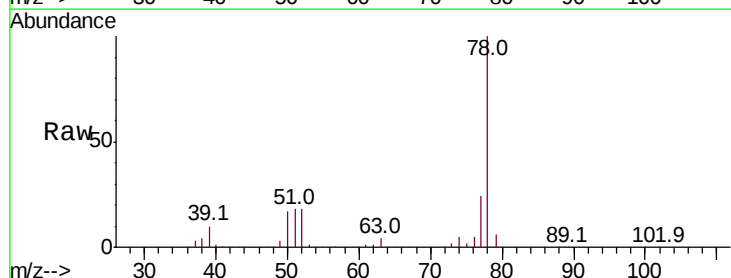
Manual Integrations
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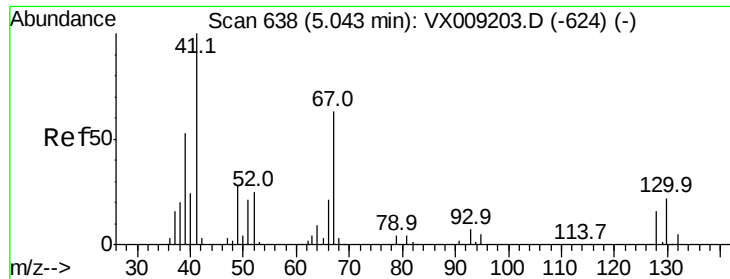
MMDadoda
5/23/2019 10:45:07 AM



#40
Benzene
Concen: 47.161 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Tgt Ion	78	Resp	364321
Ion Ratio	100	Lower	Upper
78	100		
77	24.4	18.8	28.2





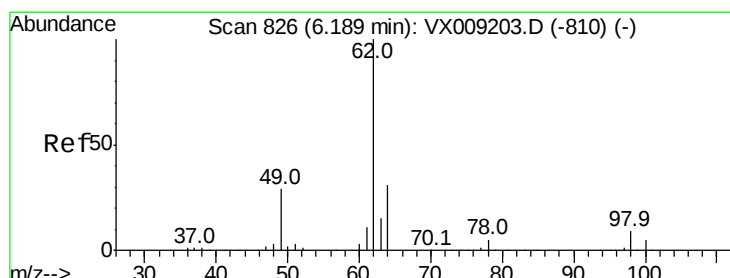
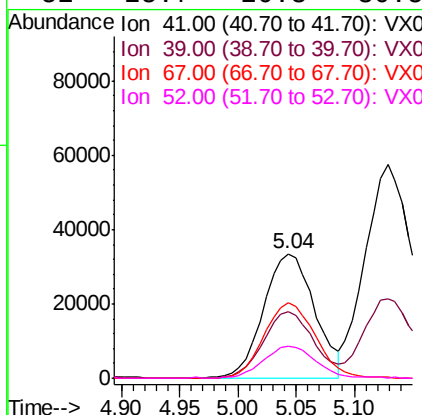
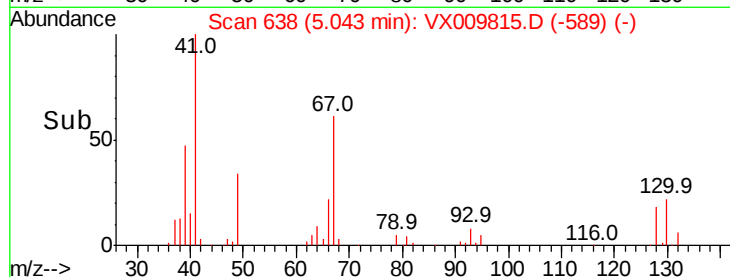
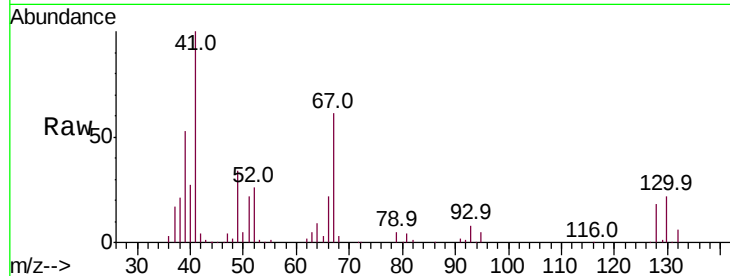
#41
Methacrylonitrile
Concen: 48.969 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
EP1-PZ-E3-4MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.6	42.0	63.0	
67	61.6	49.8	74.8	
52	25.7	20.3	30.5	

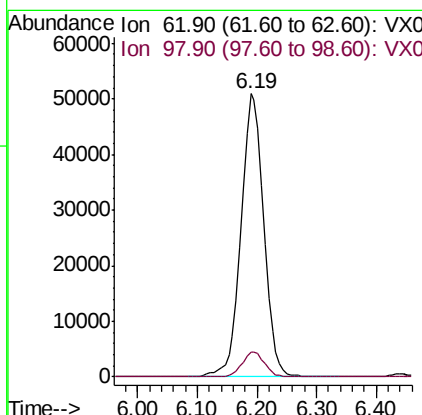
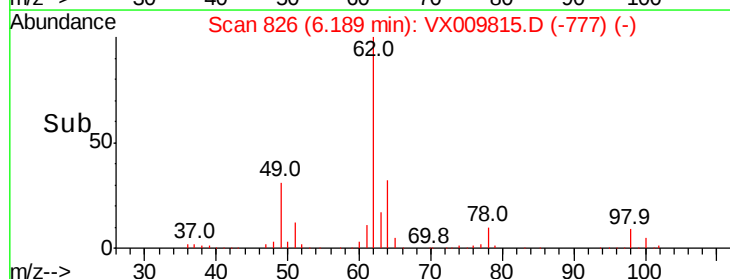
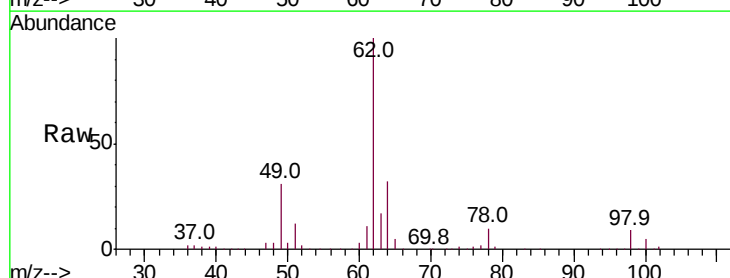
Manual Integrations
APPROVED

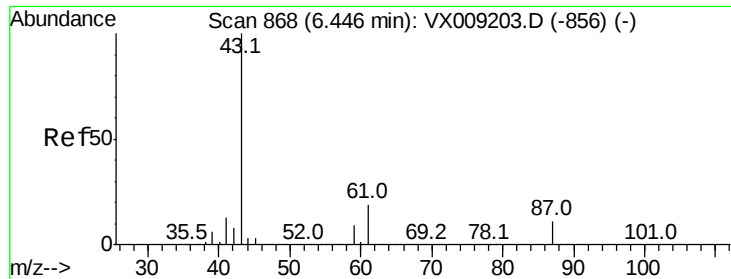
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.870 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	18.2	





#43

Isopropyl Acetate

Concen: 50.612 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

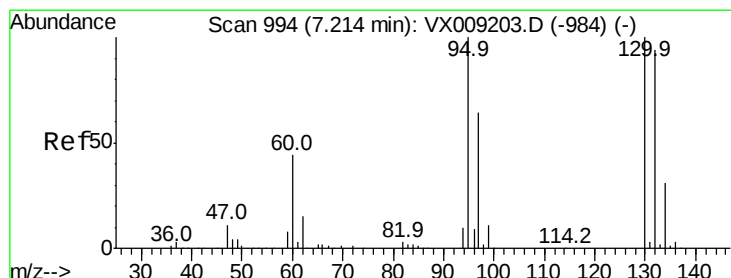
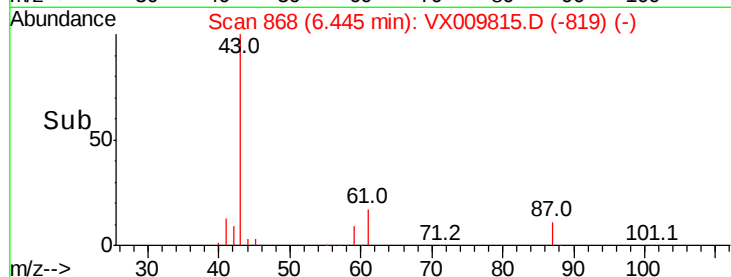
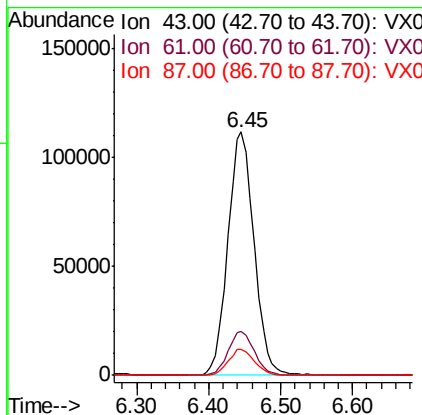
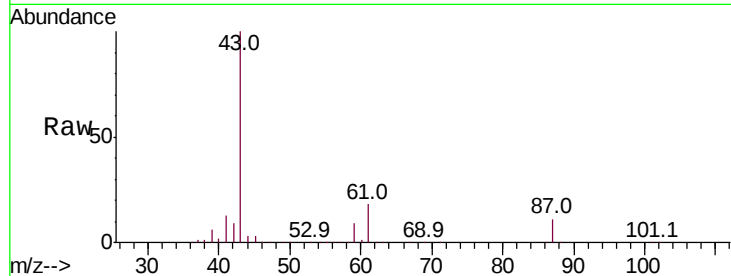
ClientSampleId :

EP1-PZ-E3-4MSD

Tot Ion:	43	Resp:	281552
Ion	Ratio	Lower	Upper
43	100		
61	18.2	15.1	22.7
87	10.8	9.0	13.6

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#44

Trichloroethene

Concen: 45.066 ug/l

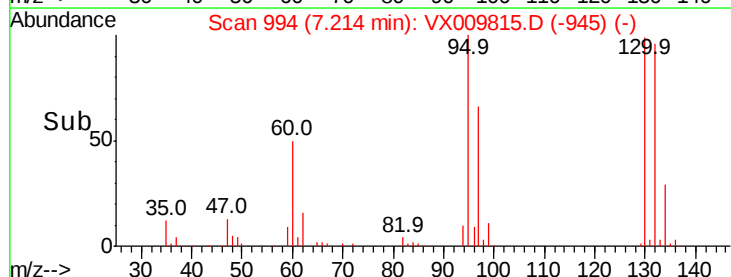
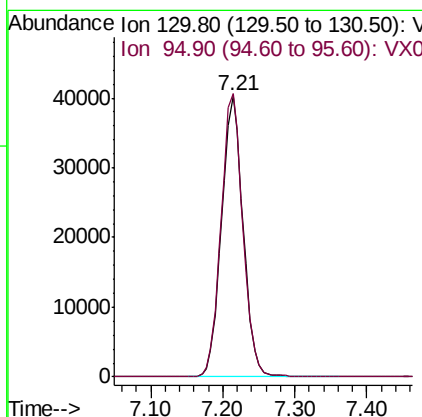
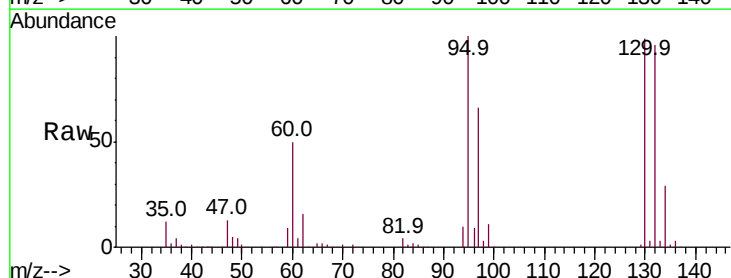
RT: 7.21 min Scan# 994

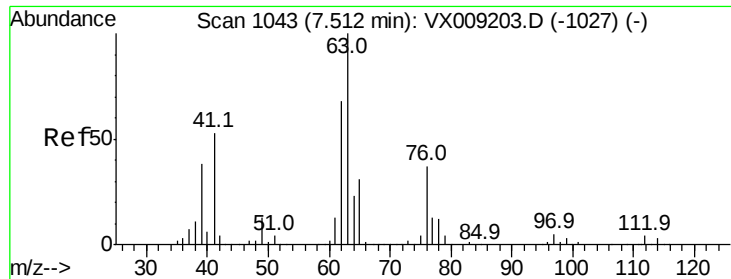
Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Tgt Ion:	130	Resp:	84163
Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	199.2





#45

1,2-Dichloropropane

Concen: 47.919 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

EP1-PZ-E3-4MSD

Tot Ion: 63 Resp: 104819

Ion Ratio Lower Upper

63 100

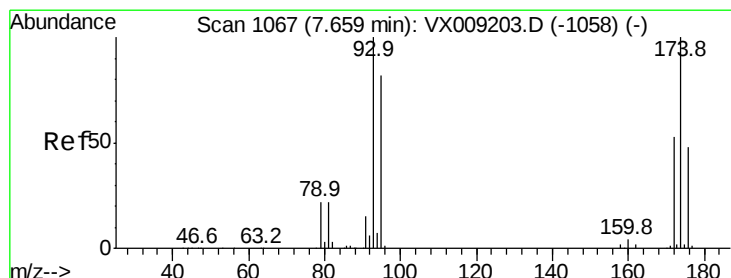
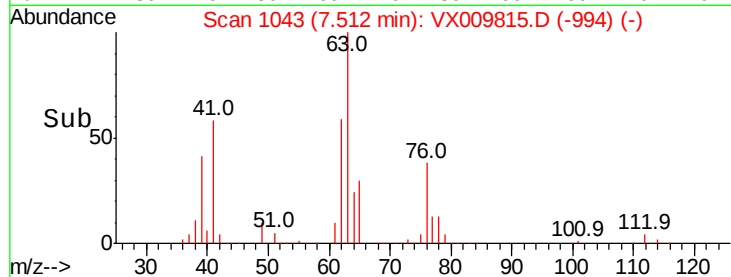
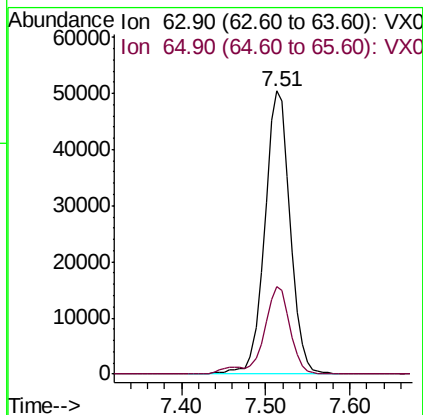
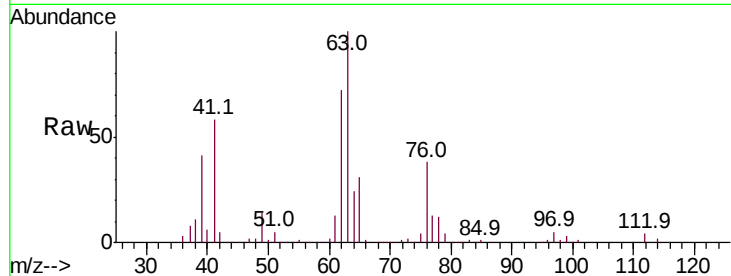
65 30.9 25.0 37.6

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#46

Dibromomethane

Concen: 47.329 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

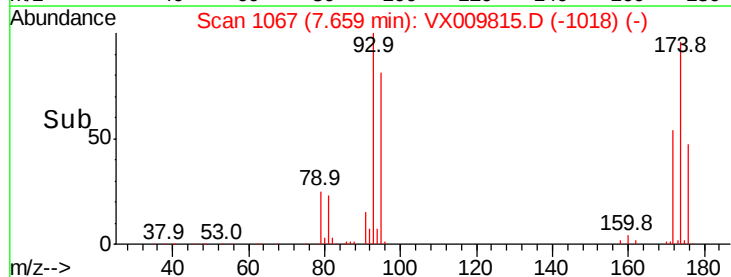
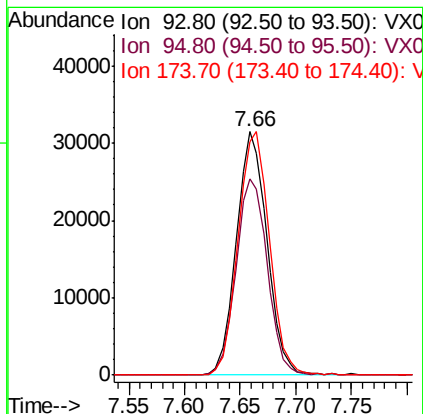
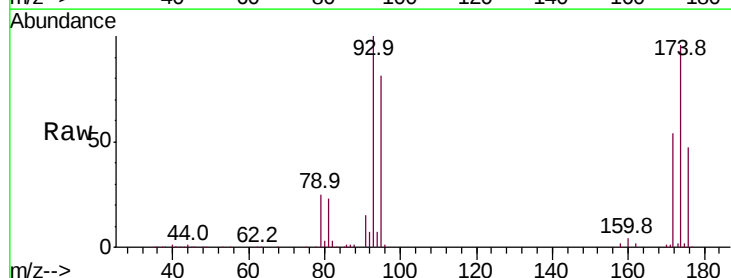
Tgt Ion: 93 Resp: 60120

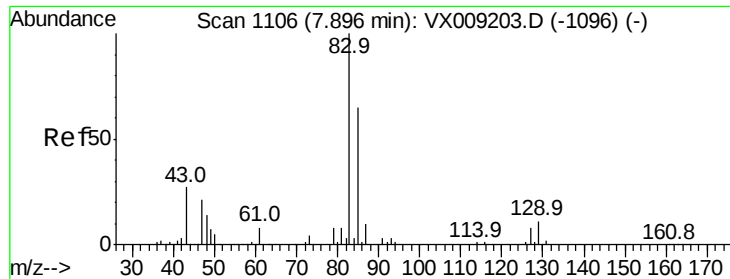
Ion Ratio Lower Upper

93 100

95 82.7 66.5 99.7

174 102.6 82.1 123.1





#47

Bromodichloromethane

Concen: 47.405 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

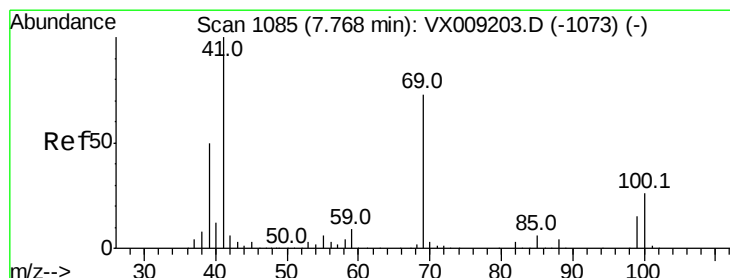
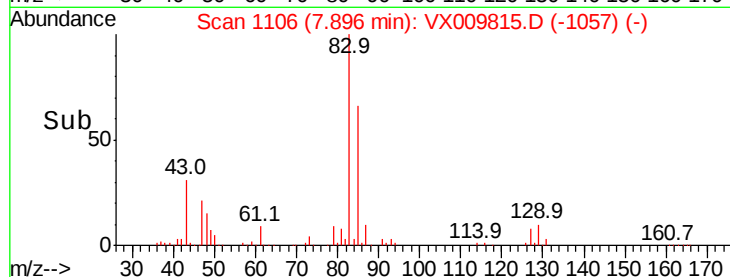
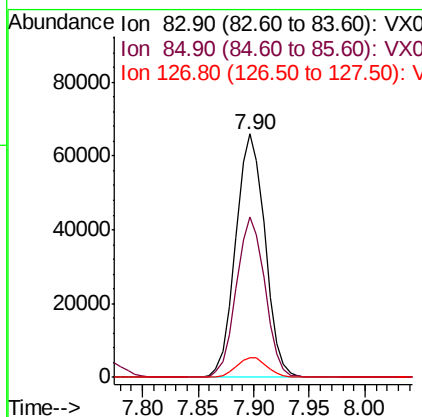
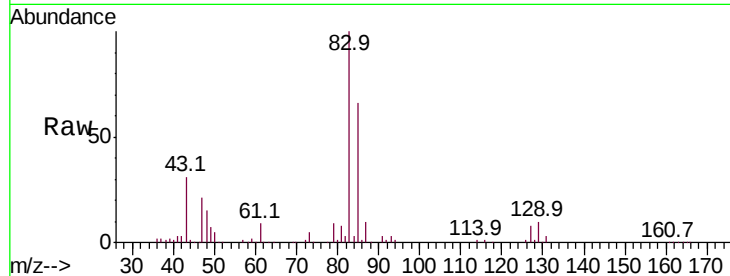
ClientSampleId :

EP1-PZ-E3-4MSD

Tot Ion:	83	Resp:	120116
Ion Ratio	Lower	Upper	
83	100		
85	65.9	52.4	78.6
127	8.2	6.6	10.0

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#48

Methyl methacrylate

Concen: 51.545 ug/l

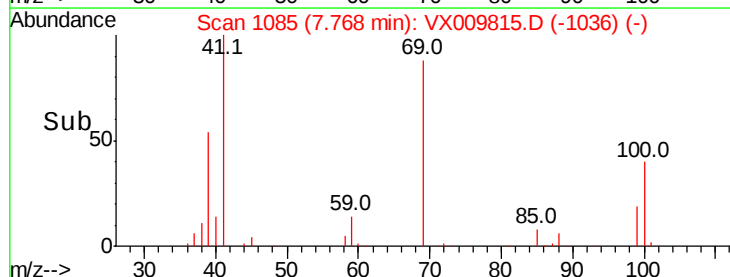
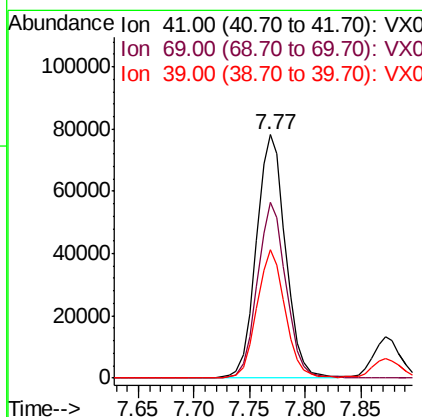
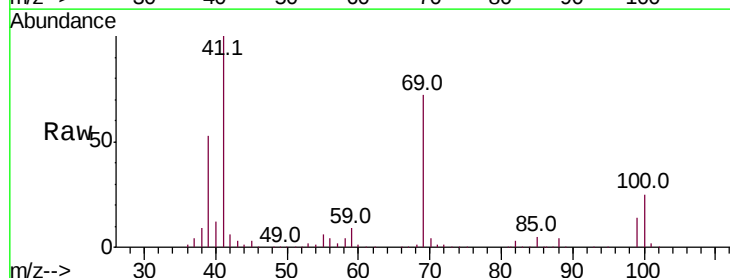
RT: 7.77 min Scan# 1085

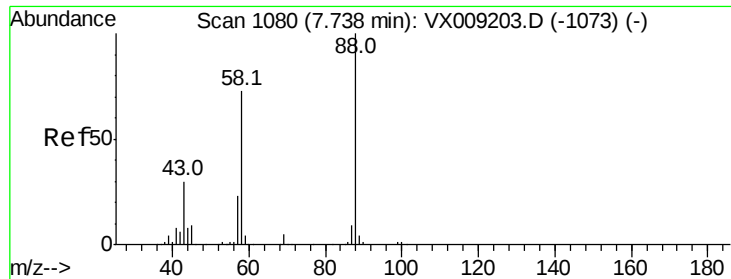
Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Tgt Ion:	41	Resp:	142261
Ion Ratio	Lower	Upper	
41	100		
69	71.2	59.1	88.7
39	51.2	40.4	60.6





#49

1,4-Dioxane

Concen: 789.085 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

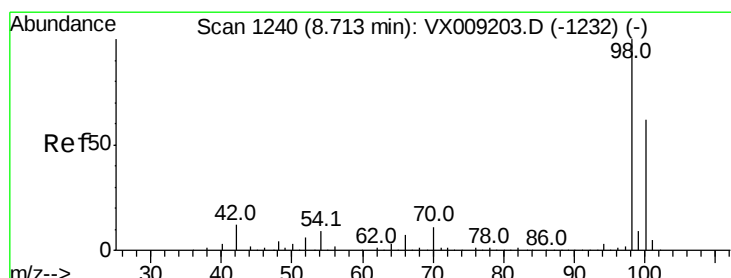
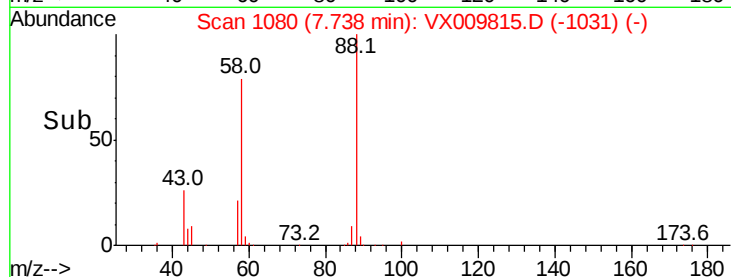
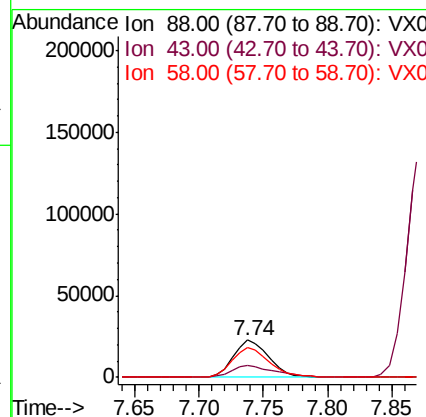
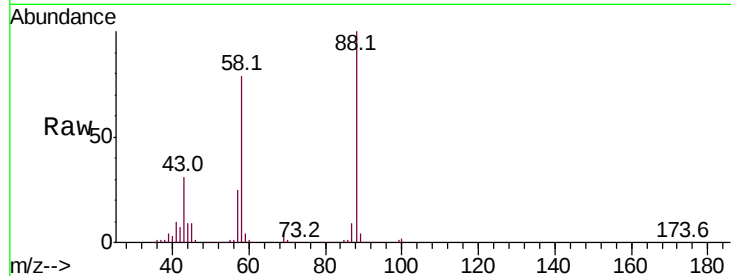
ClientSampleId :

EP1-PZ-E3-4MSD

Tot Ion:	88	Resp:	44166
Ion	Ratio	Lower	Upper
88	100		
43	37.8	28.6	42.8
58	82.9	61.7	92.5

Manual Integrations
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#50

Toluene-d8

Concen: 47.064 ug/l

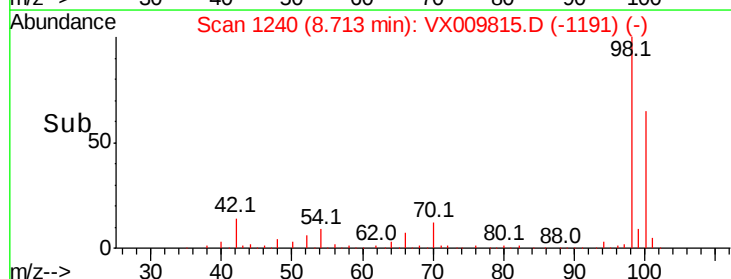
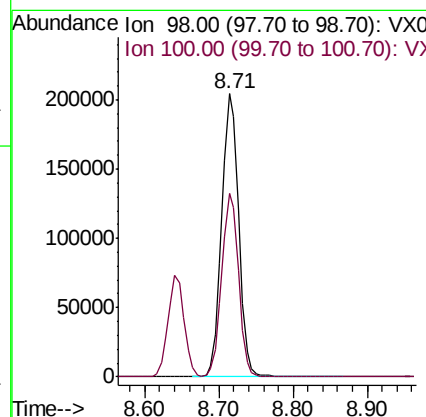
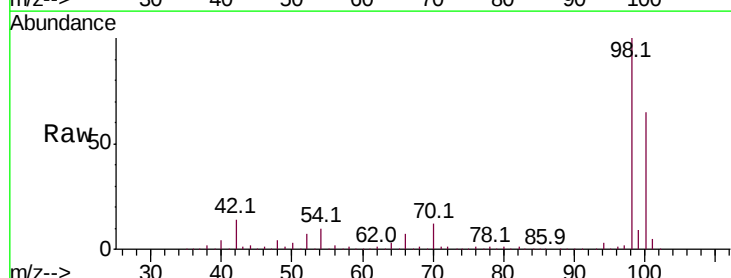
RT: 8.71 min Scan# 1240

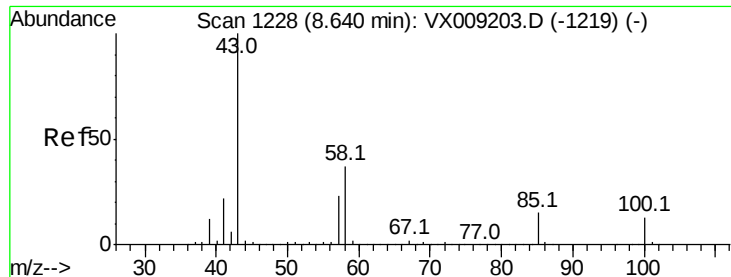
Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Tgt Ion:	98	Resp:	320833
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 258.861 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

EP1-PZ-E3-4MSD

Tot Ion: 43 Resp: 941243

Ion Ratio Lower Upper

43 100

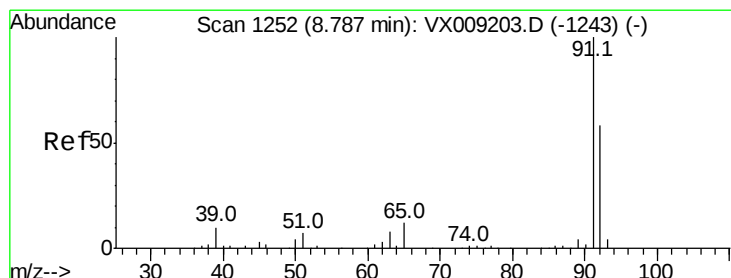
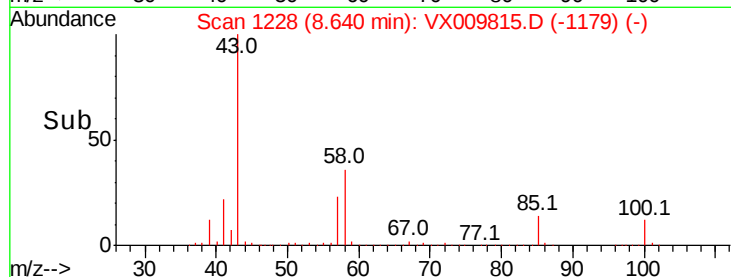
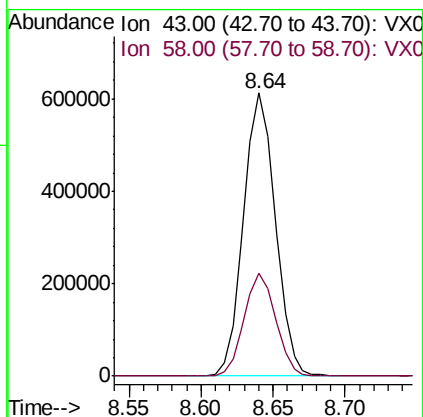
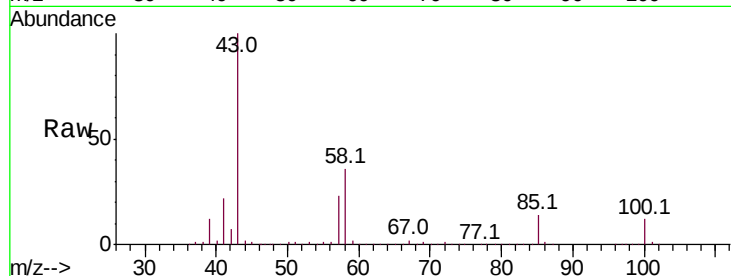
58 36.0 29.5 44.3

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#52

Toluene

Concen: 47.477 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009815.D

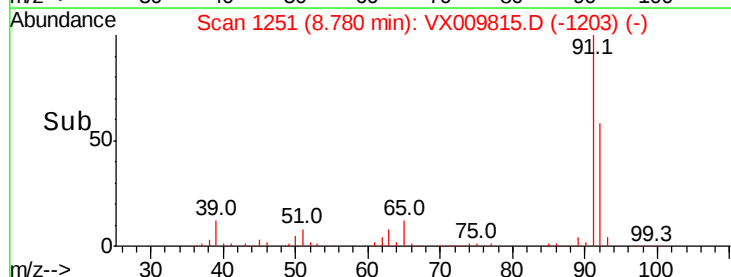
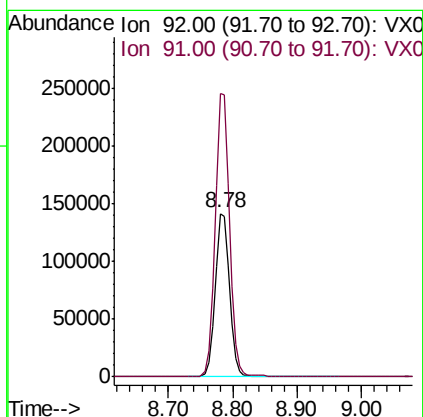
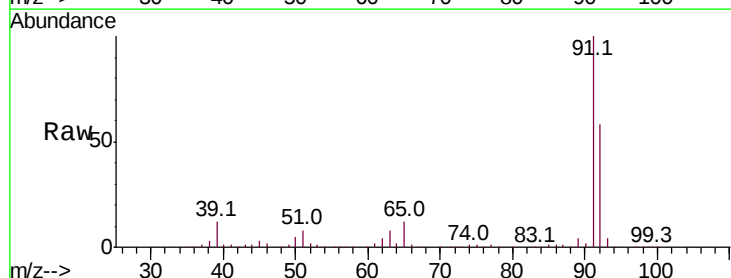
Acq: 22 May 2019 19:27

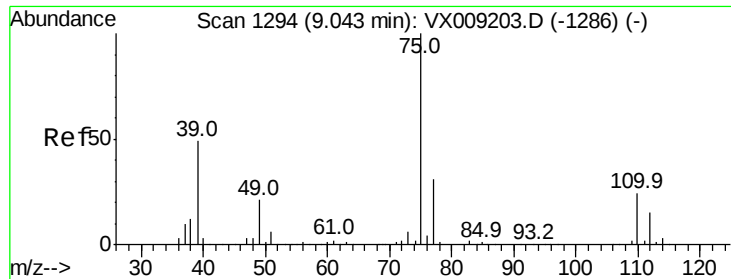
Tgt Ion: 92 Resp: 222945

Ion Ratio Lower Upper

92 100

91 173.5 138.8 208.2





#53

t-1,3-Dichloropropene

Concen: 49.615 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

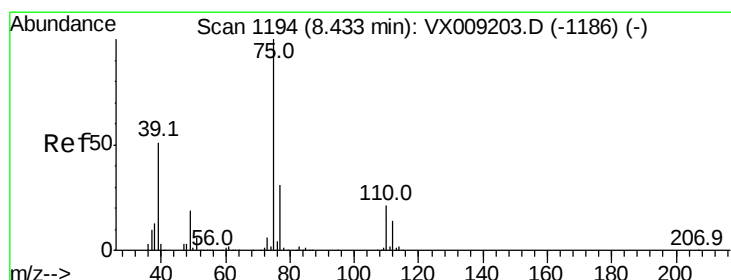
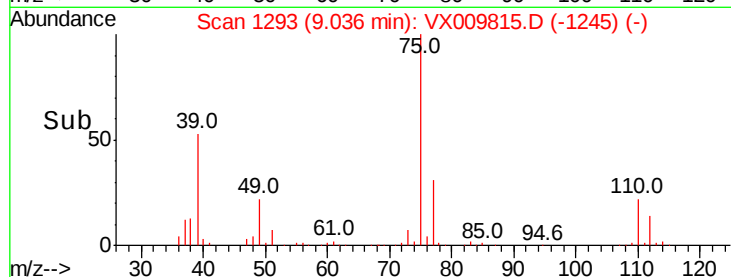
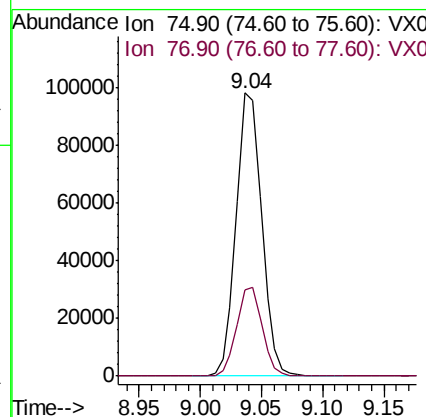
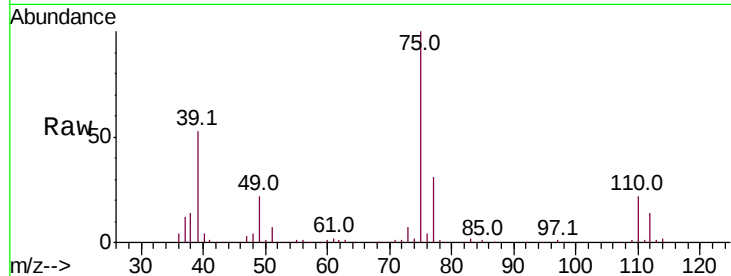
Instrument :
MSVOA_X
ClientSampleId :
EP1-PZ-E3-4MSD

Tot Ion: 75 Resp: 141935

Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.0	37.6

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#54

cis-1,3-Dichloropropene

Concen: 48.662 ug/l

RT: 8.43 min Scan# 1194

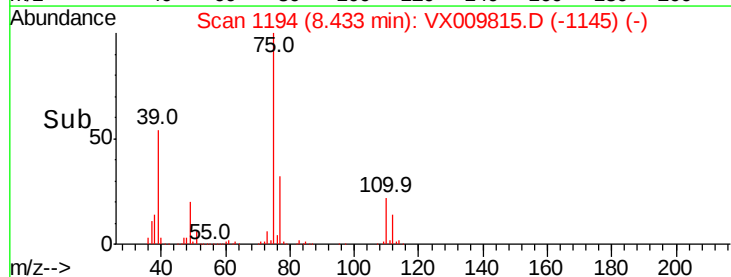
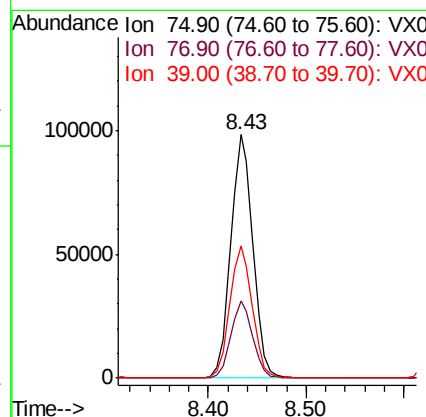
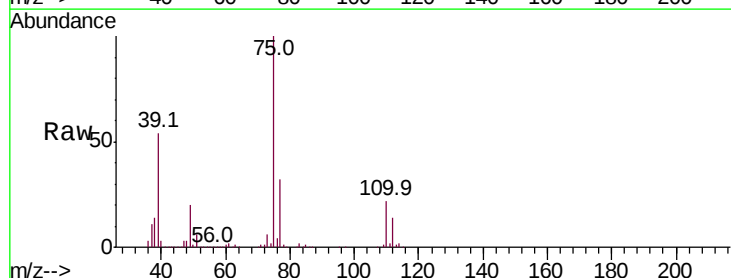
Delta R.T. -0.00 min

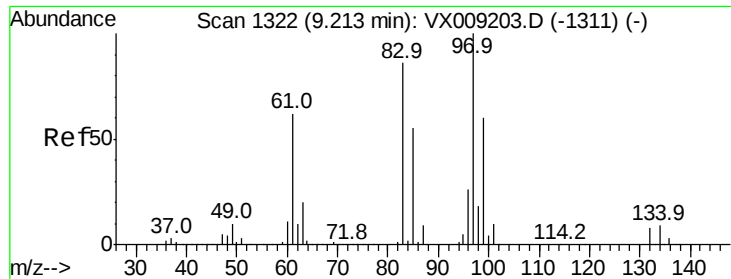
Lab File: VX009815.D

Acq: 22 May 2019 19:27

Tgt Ion: 75 Resp: 154082

Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.6	36.8
39	54.4	40.6	60.8





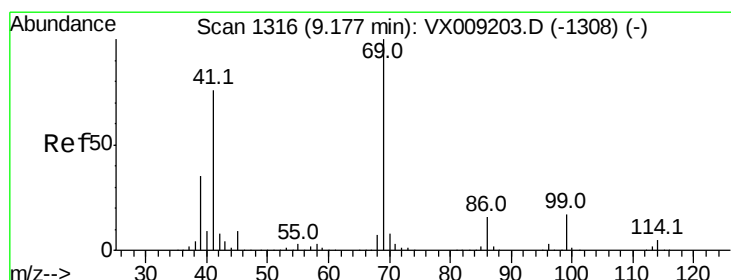
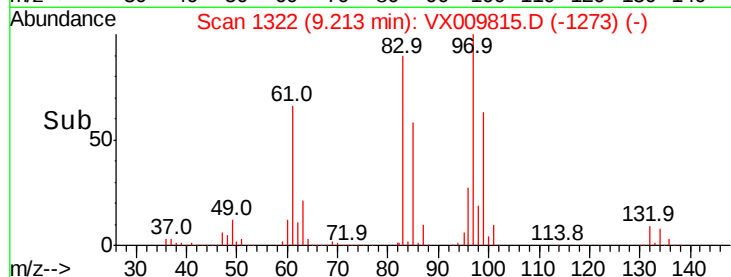
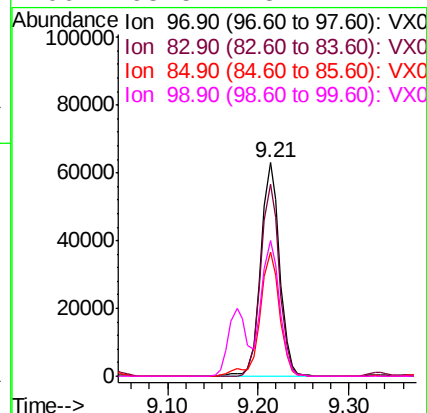
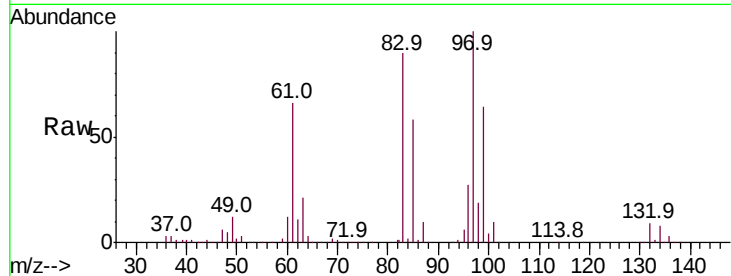
#55
 1,1,2-Trichloroethane
 Concen: 47.443 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-PZ-E3-4MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		90890		
83	90.0	68.9	103.3		
85	58.4	43.8	65.6		
99	63.5	48.2	72.2		

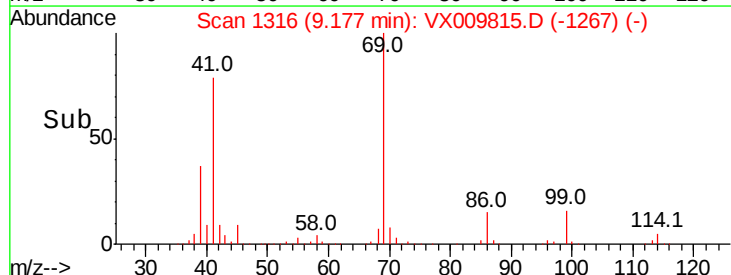
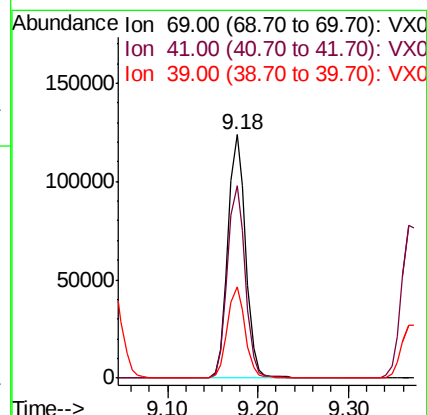
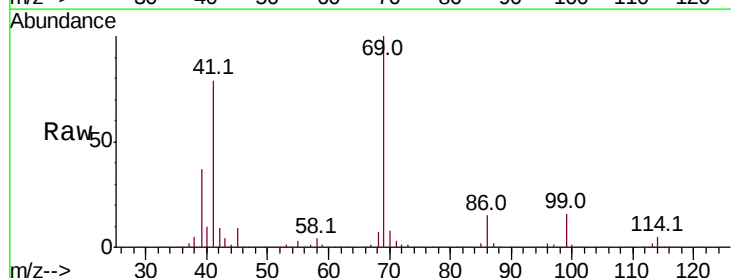
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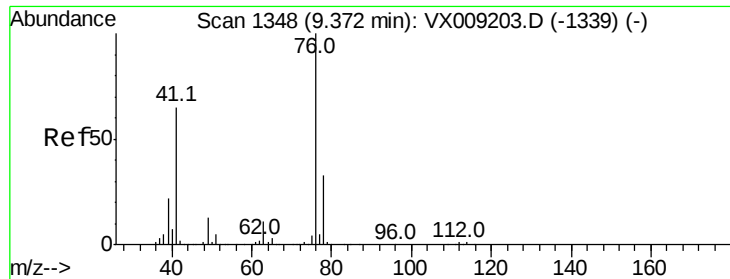
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#56
 Ethyl methacrylate
 Concen: 49.700 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		169964		
41	79.4	60.6	90.8		
39	37.4	28.2	42.4		





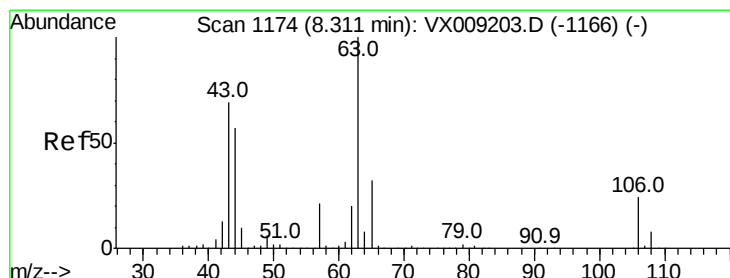
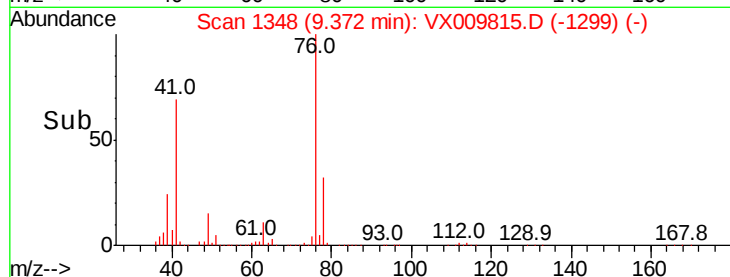
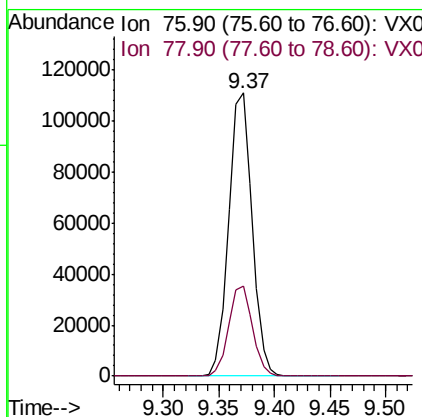
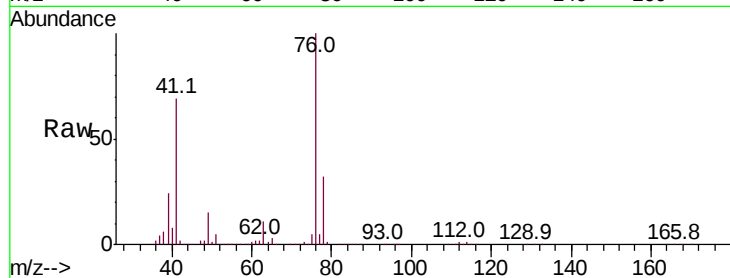
#57
 1,3-Dichloropropane
 Concen: 47.951 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-PZ-E3-4MSD

Tot Ion: 76 Resp: 161657
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.5 38.3

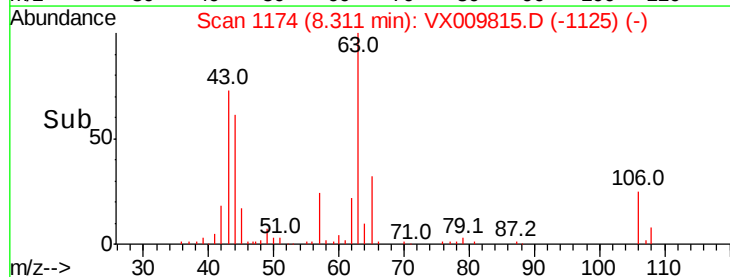
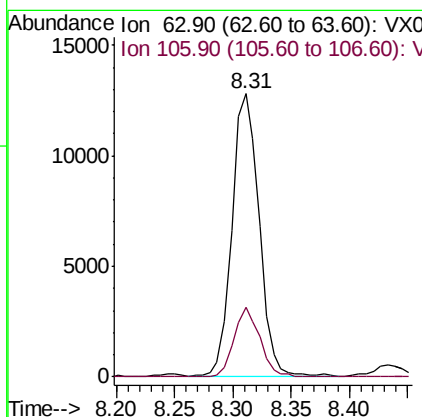
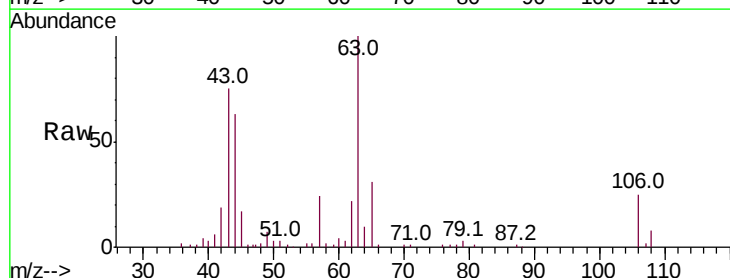
Manual Integrations
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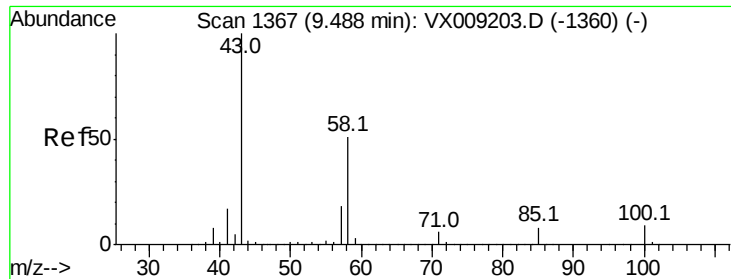
MMDadoda
 5/23/2019 10:45:07 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 11.558 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

Tgt Ion: 63 Resp: 20968
 Ion Ratio Lower Upper
 63 100
 106 23.3 19.7 29.5





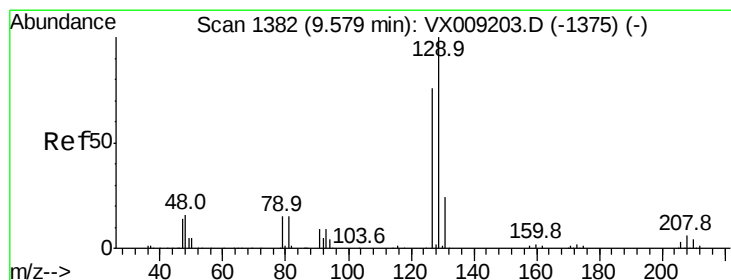
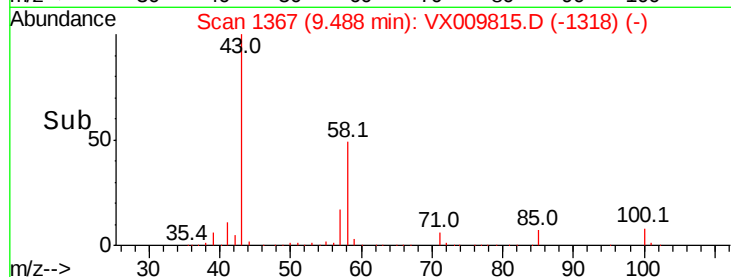
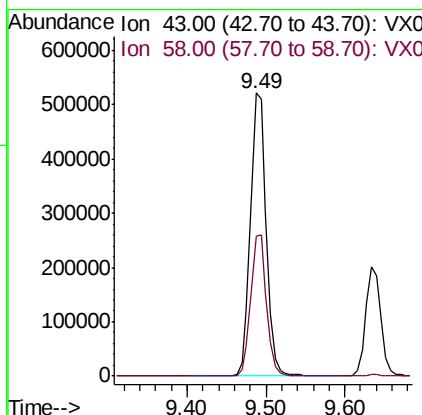
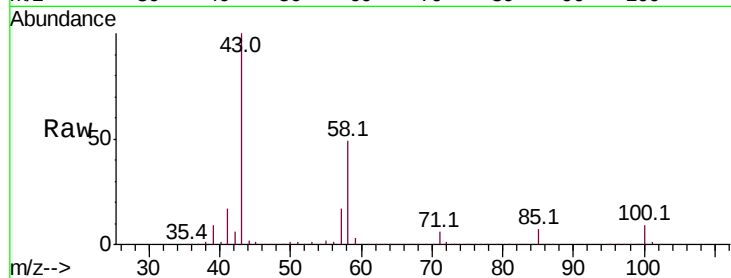
#59
2-Hexanone
Concen: 253.834 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
EP1-PZ-E3-4MSD

Tot Ion: 43 Resp: 724885
Ion Ratio Lower Upper
43 100
58 50.0 25.9 77.7

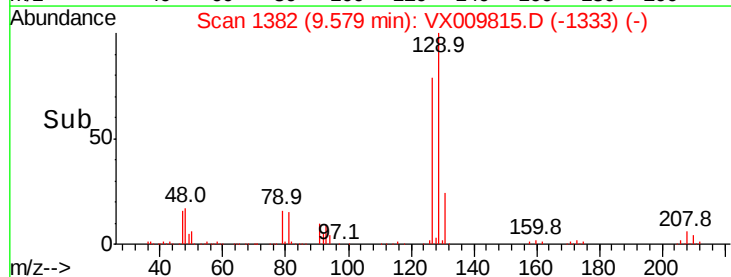
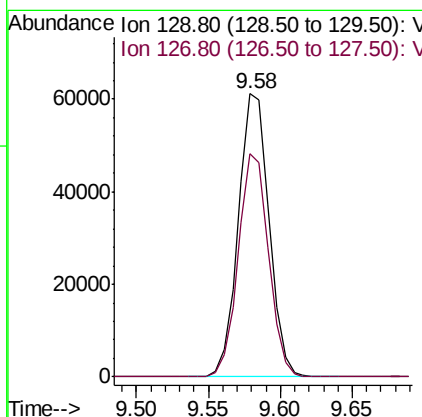
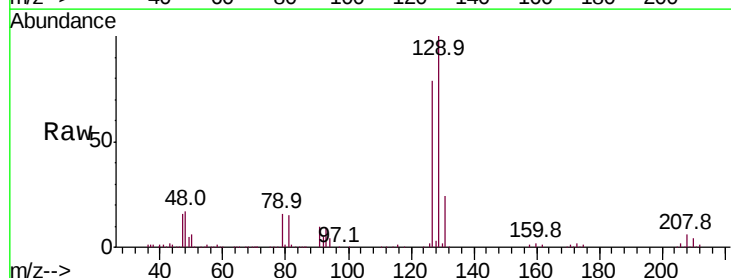
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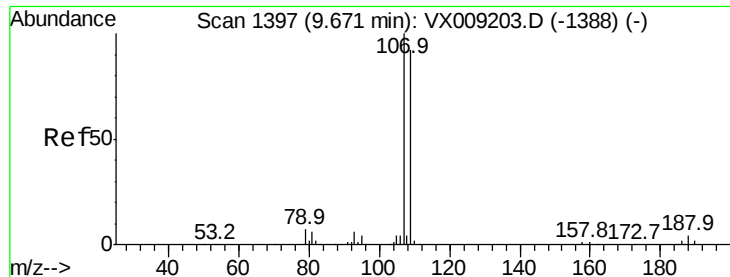
MMDadoda
5/23/2019 10:45:07 AM



#60
Dibromochloromethane
Concen: 48.302 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Tgt Ion:129 Resp: 90379
Ion Ratio Lower Upper
129 100
127 78.1 38.4 115.1





#61

1,2-Dibromoethane

Concen: 48.341 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

EP1-PZ-E3-4MSD

Tot Ion:107 Resp: 93484

Ion Ratio Lower Upper

107 100

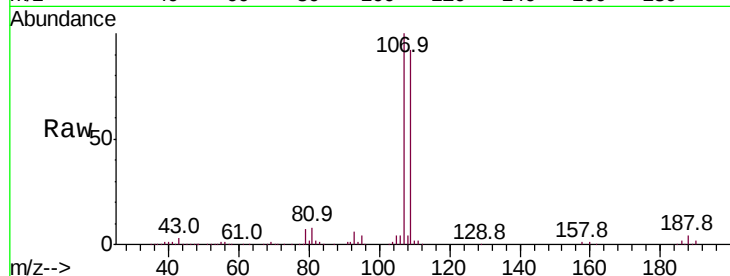
109 93.7 75.2 112.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

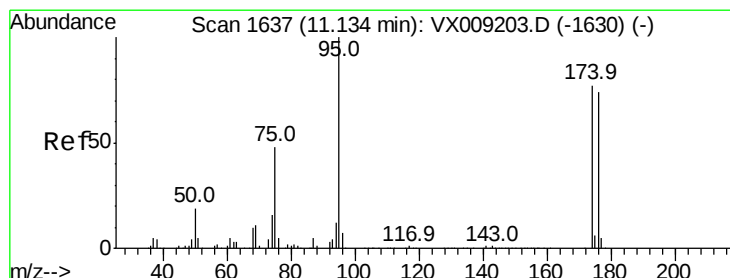
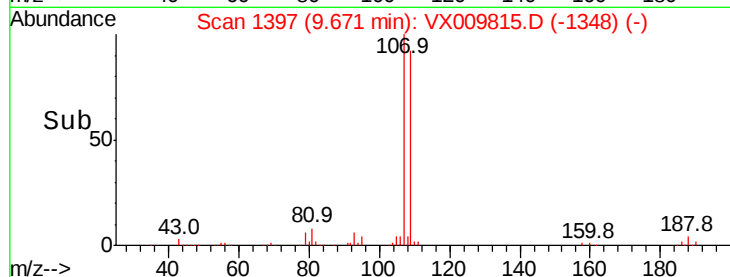
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.859 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

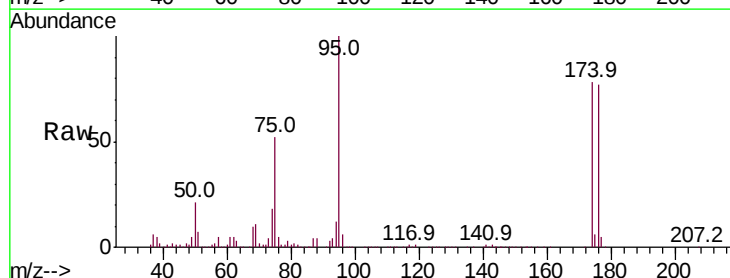
Tgt Ion: 95 Resp: 118548

Ion Ratio Lower Upper

95 100

174 82.3 0.0 161.6

176 80.5 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

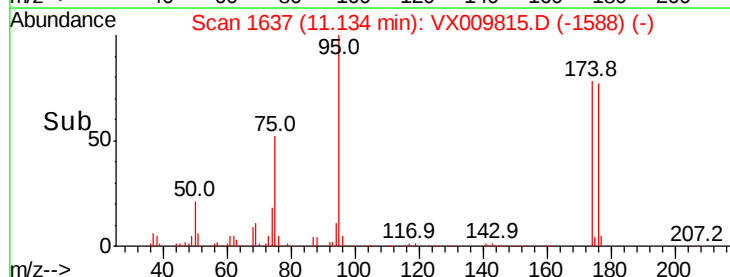
60000

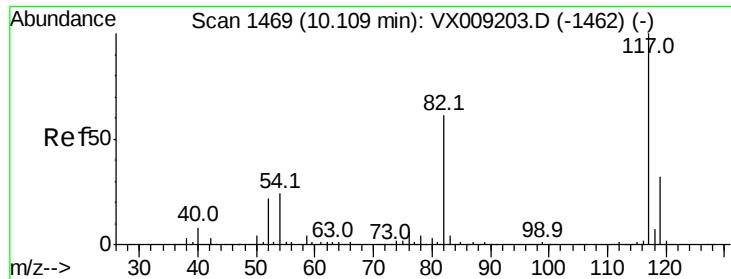
40000

20000

0

Time-->





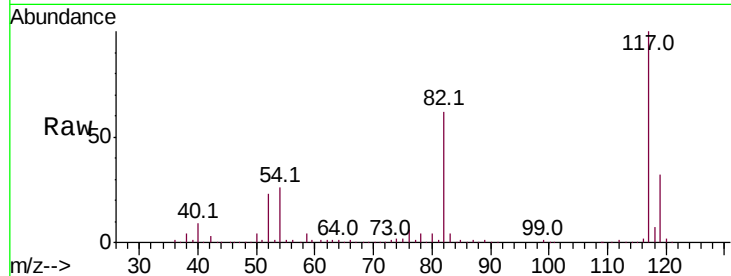
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
EP1-PZ-E3-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	249841		
82	61.5	48.8	73.2	
119	32.1	25.8	38.6	

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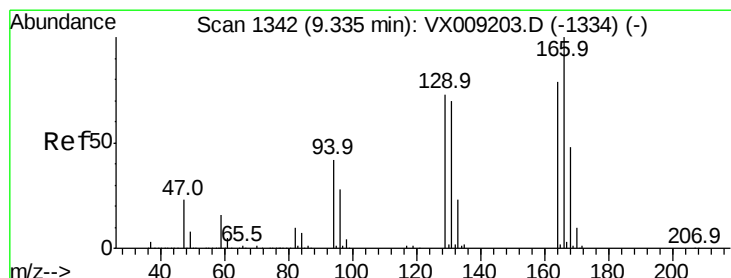
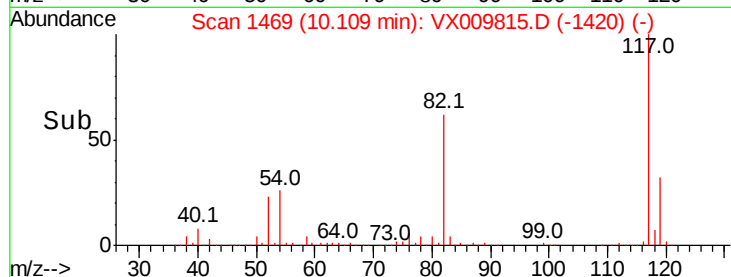
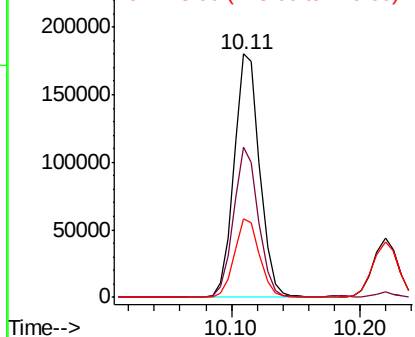


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 42.824 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	73391		
166	126.9	101.2	151.8	
129	88.8	74.3	111.5	
131	86.8	71.0	106.6	

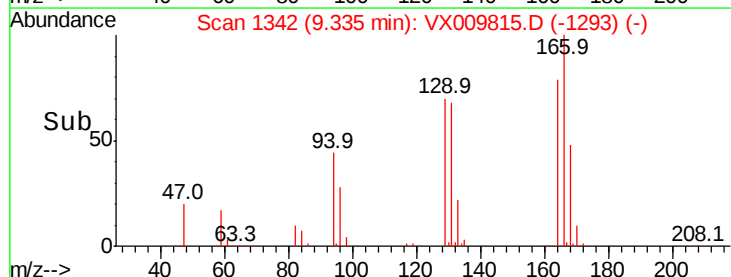
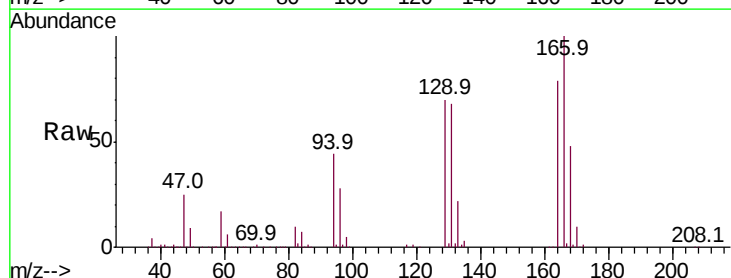
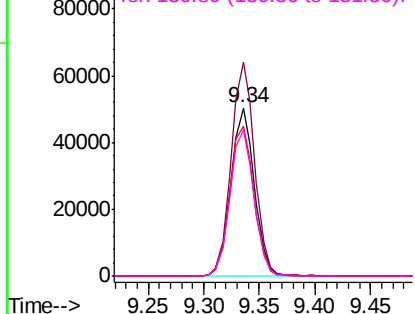
Abundance

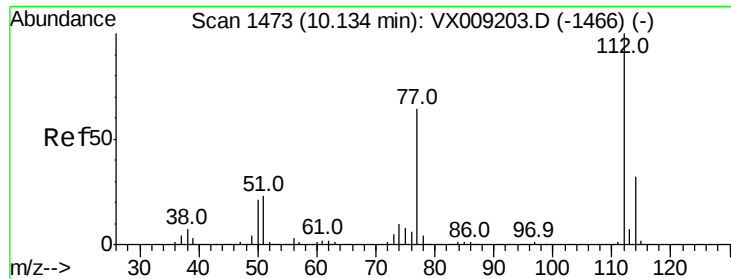
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





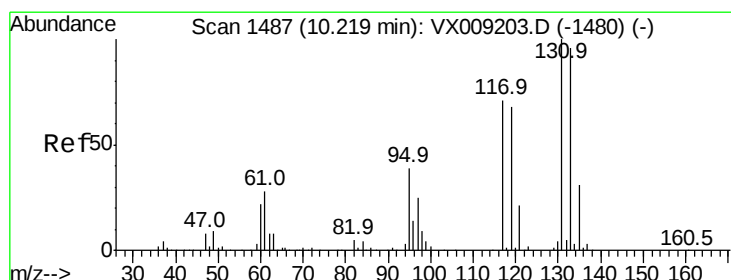
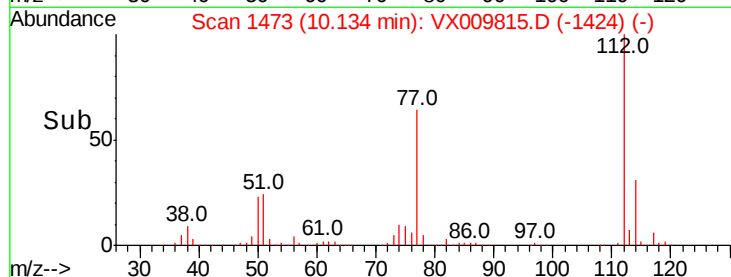
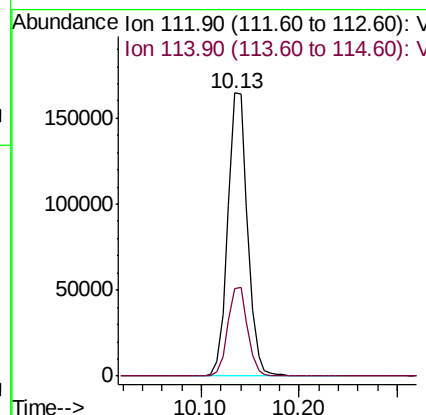
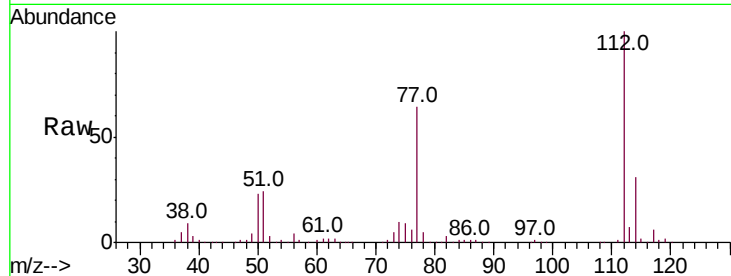
#65
Chlorobenzene
Concen: 46.162 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
EP1-PZ-E3-4MSD

Tot Ion:112 Resp: 230717
Ion Ratio Lower Upper
112 100
114 31.1 25.5 38.3

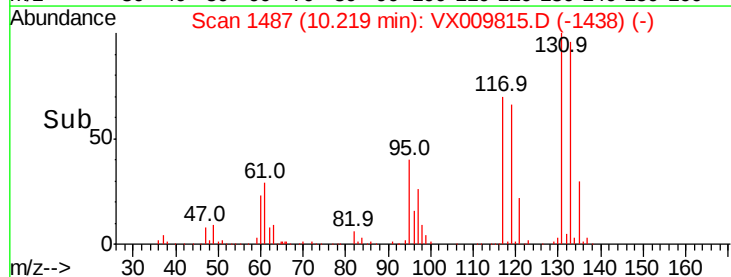
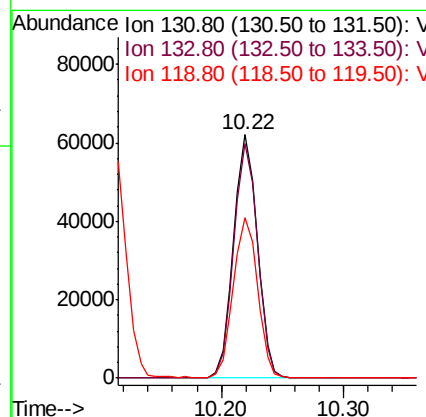
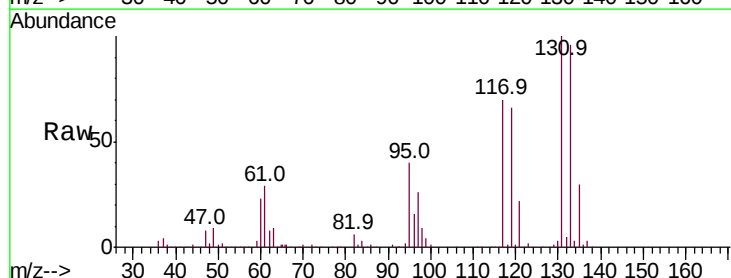
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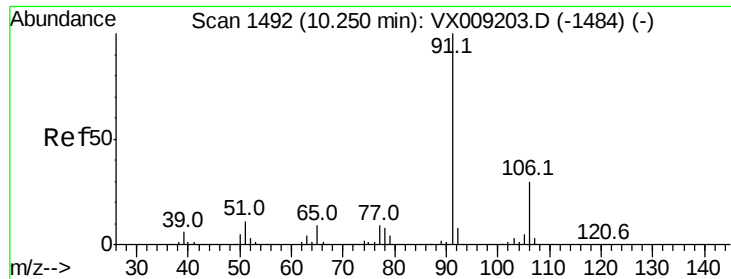
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#66
1,1,1,2-Tetrachloroethane
Concen: 45.974 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Tgt Ion:131 Resp: 83304
Ion Ratio Lower Upper
131 100
133 96.3 47.7 143.1
119 67.2 33.5 100.4





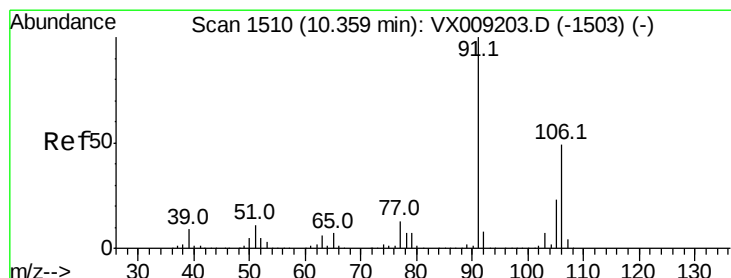
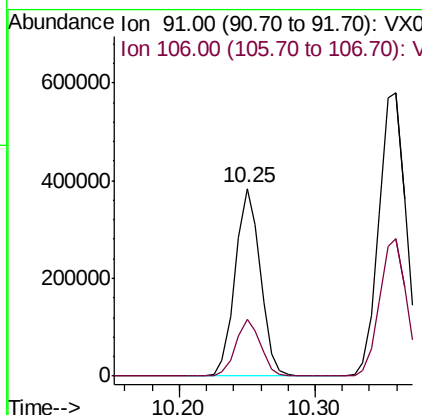
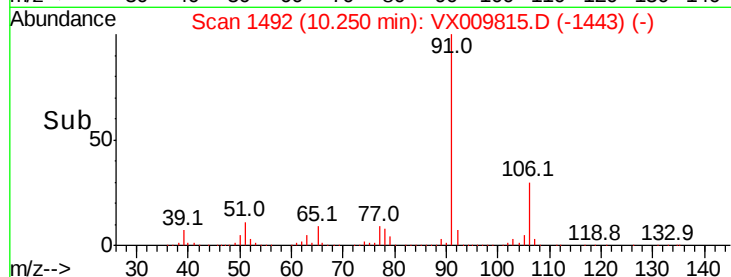
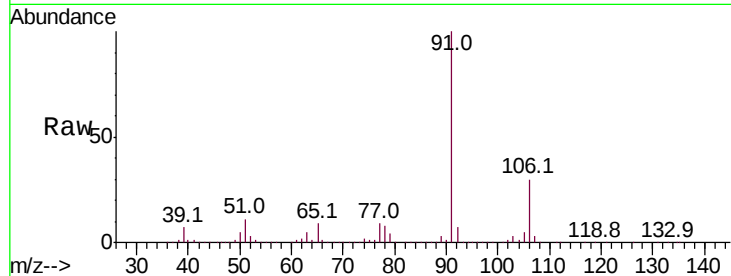
#67
Ethyl Benzene
Concen: 53.981 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
EP1-PZ-E3-4MSD

Tot Ion: 91 Resp: 496525
Ion Ratio Lower Upper
91 100
106 30.2 24.0 36.0

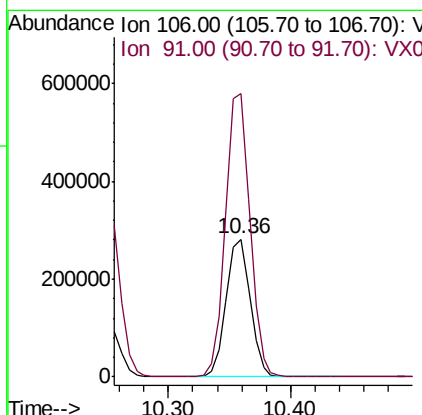
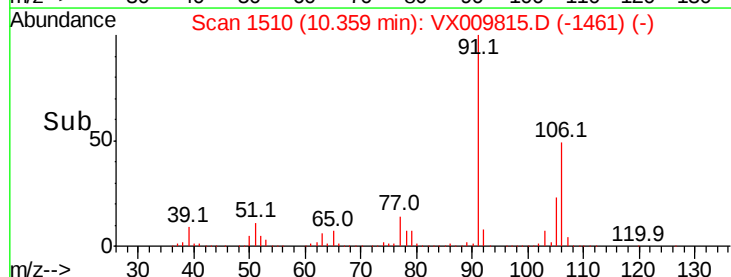
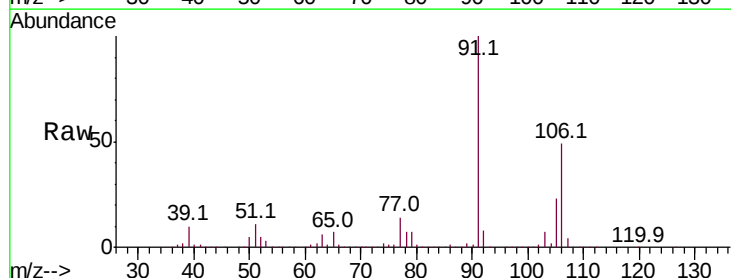
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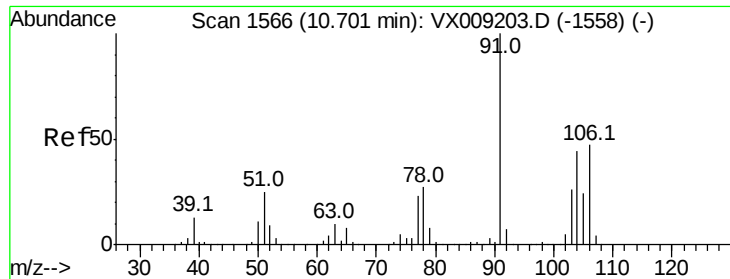
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#68
m/p-Xylenes
Concen: 114.407 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Tgt Ion: 106 Resp: 384554
Ion Ratio Lower Upper
106 100
91 208.9 164.0 246.0





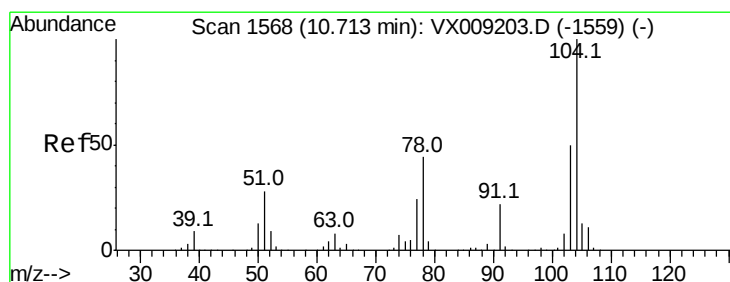
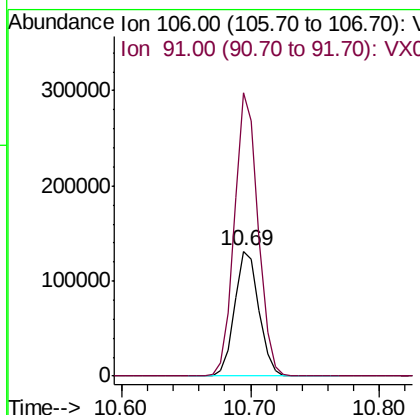
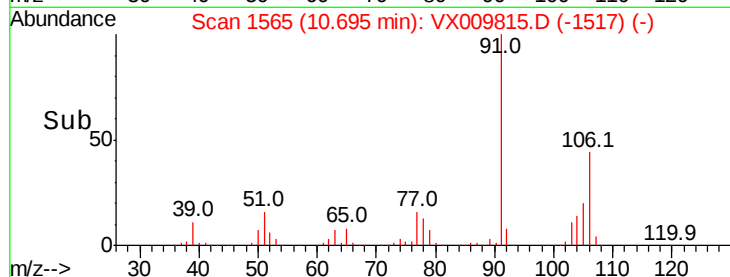
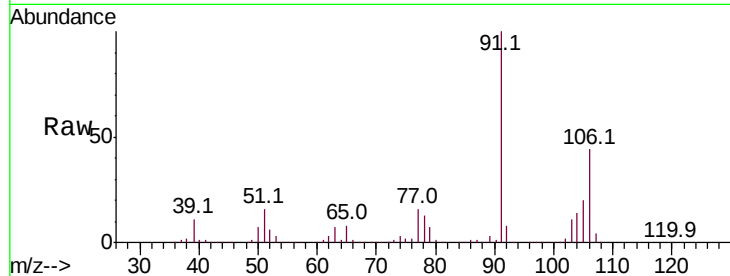
#69
o-Xylene
Concen: 51.945 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
EP1-PZ-E3-4MSD

Tot Ion:106 Resp: 172272
Ion Ratio Lower Upper
106 100
91 221.4 109.5 328.4

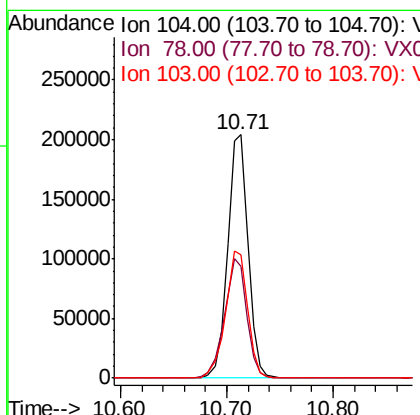
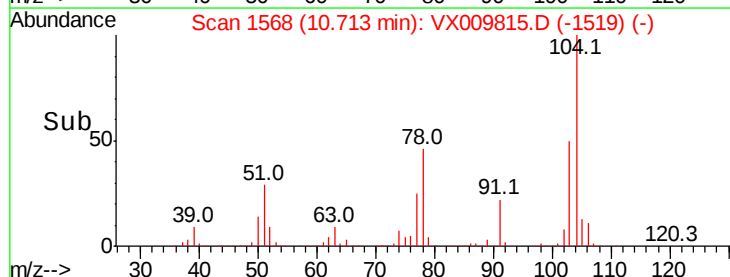
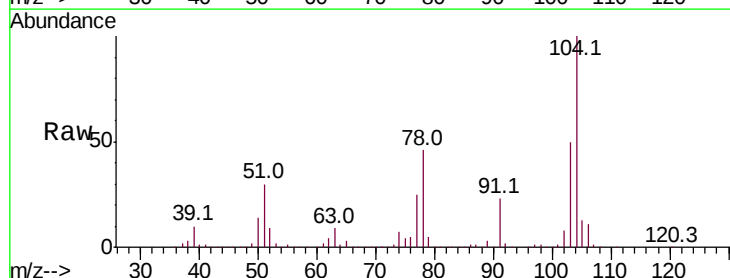
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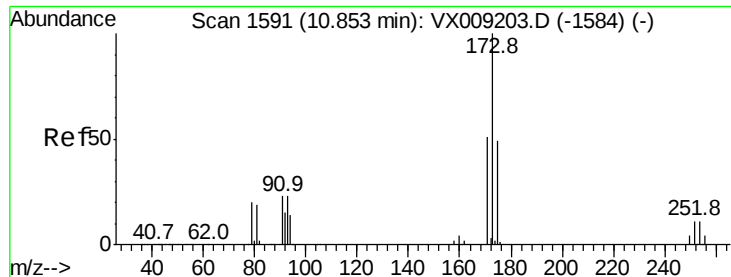
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#70
Styrene
Concen: 47.554 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Tgt Ion:104 Resp: 274110
Ion Ratio Lower Upper
104 100
78 53.5 41.0 61.4
103 56.4 43.8 65.6





#71

Bromoform

Concen: 47.700 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

EP1-PZ-E3-4MSD

Tot Ion:173 Resp: 70238

Ion Ratio Lower Upper

173 100

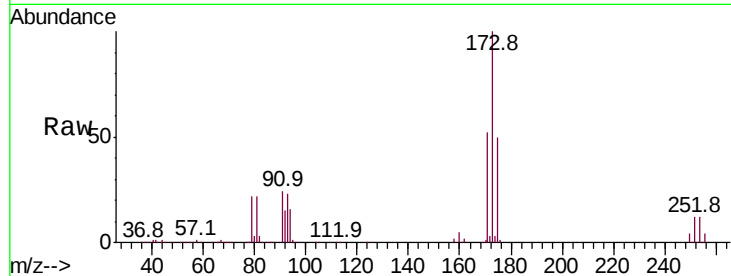
175 50.0 24.5 73.5

254 0.2 0.1 0.1#

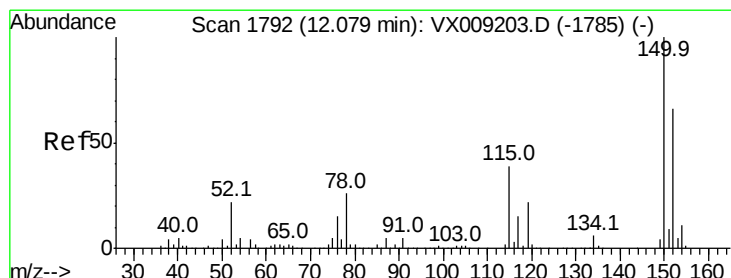
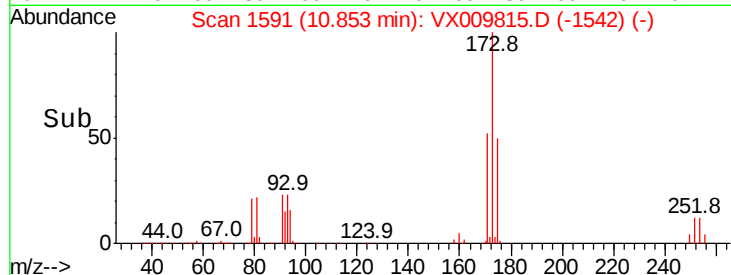
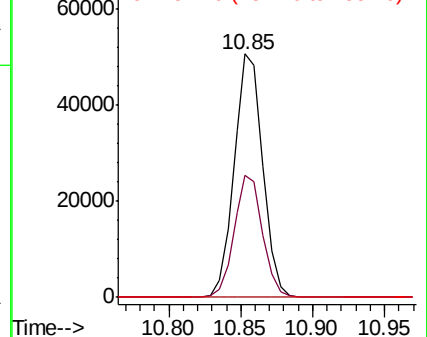
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

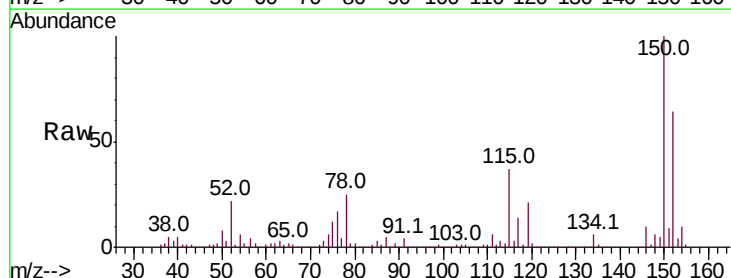
Tgt Ion:152 Resp: 124056

Ion Ratio Lower Upper

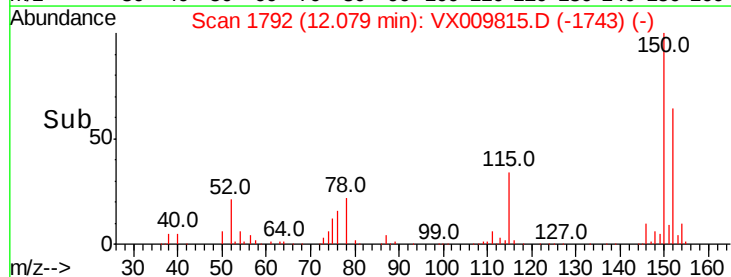
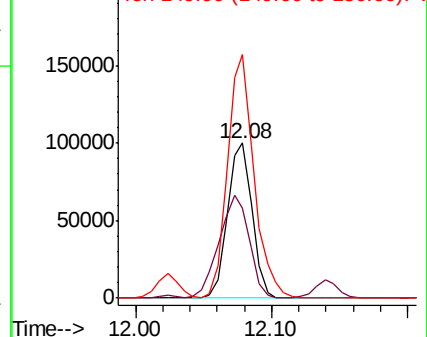
152 100

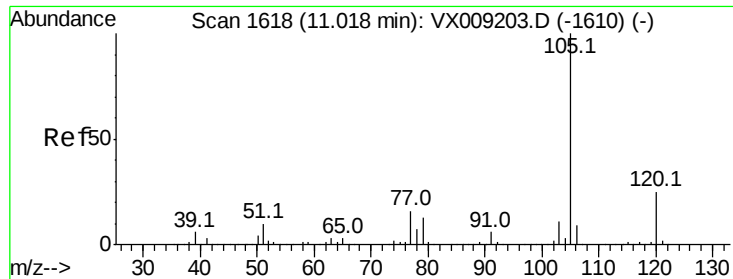
115 81.6 41.2 123.6

150 170.2 0.0 346.4



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: 54.897 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

EP1-PZ-E3-4MSD

Tot Ion:105 Resp: 495239

Ion Ratio Lower Upper

105 100

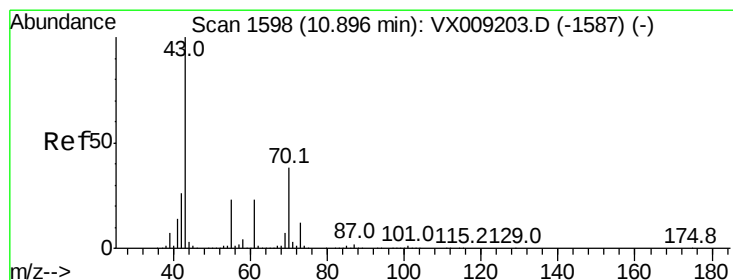
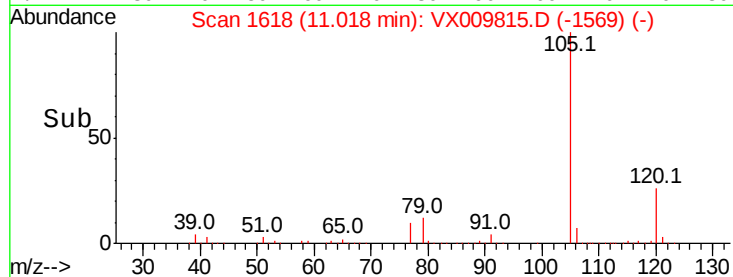
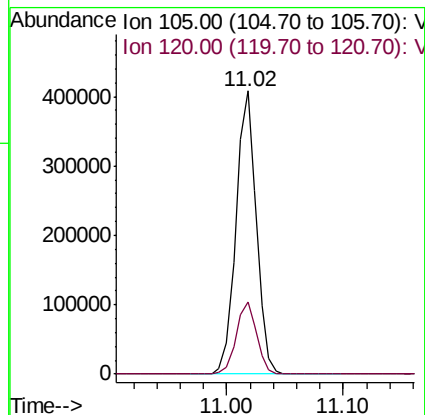
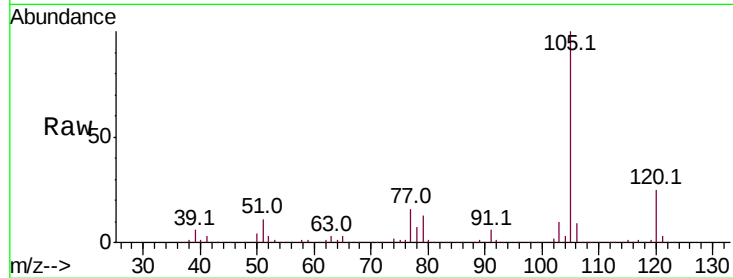
120 25.6 12.8 38.3

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#74

N-ethyl acetate

Concen: 49.781 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Tgt Ion: 43 Resp: 261821

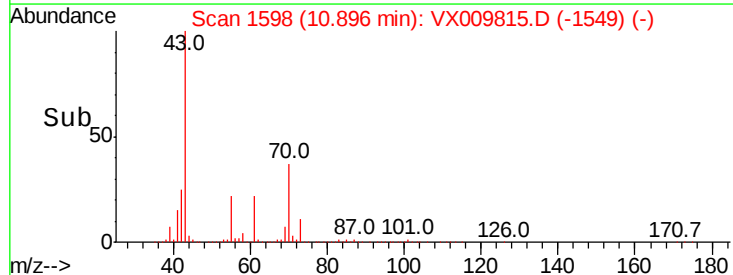
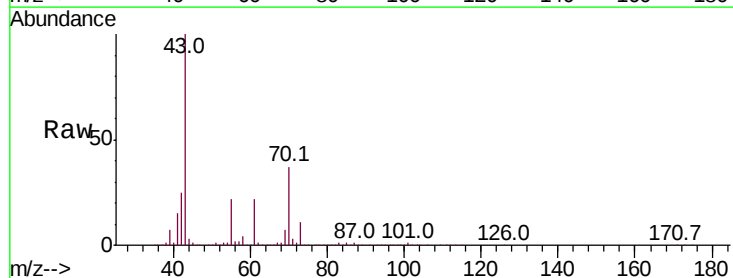
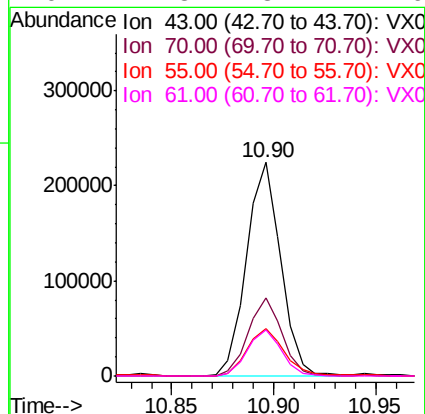
Ion Ratio Lower Upper

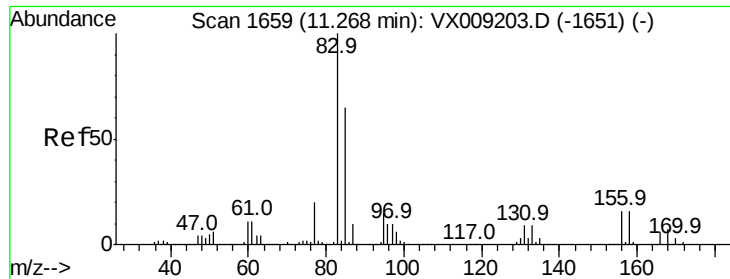
43 100

70 36.3 30.0 45.0

55 24.8 17.9 26.9

61 21.8 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.038 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

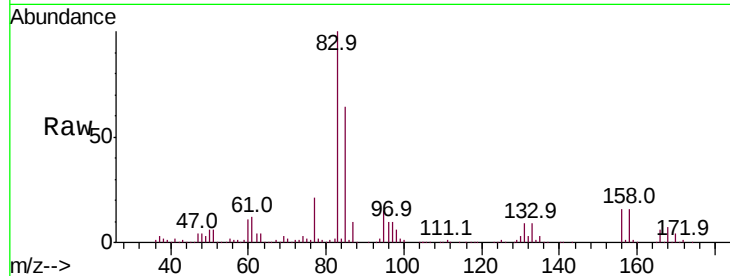
ClientSampleId :

EP1-PZ-E3-4MSD

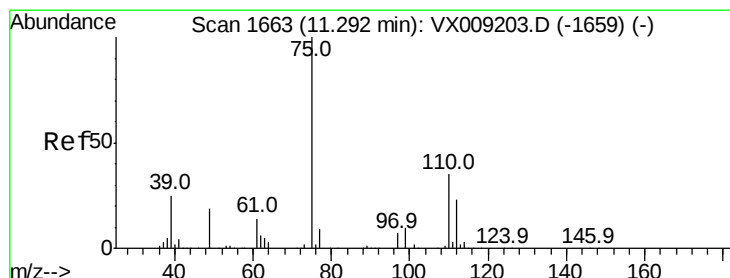
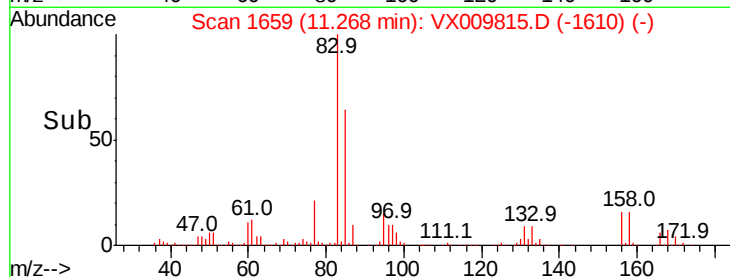
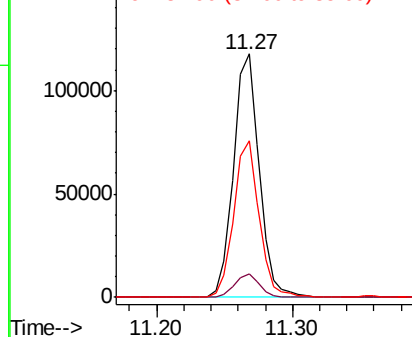
Tot Ion:	83	Resp:	154825
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.6	13.8
85	63.4	32.0	96.2

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



#76

1,2,3-Trichloropropane

Concen: 46.204 ug/l m

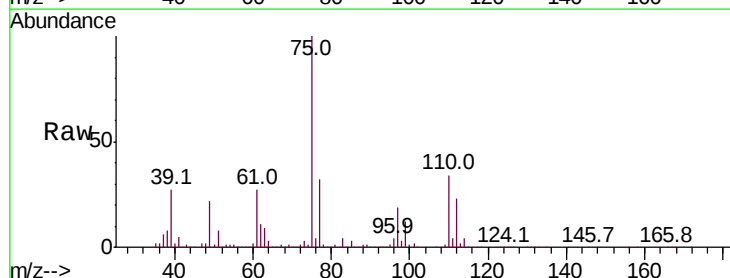
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

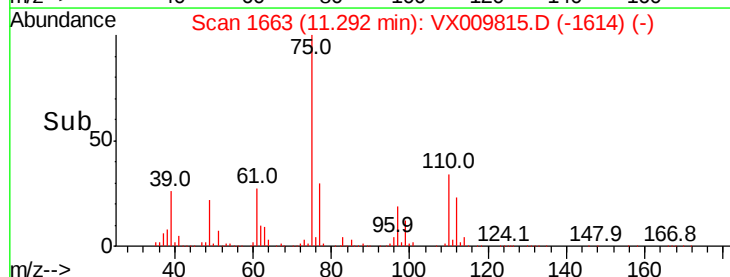
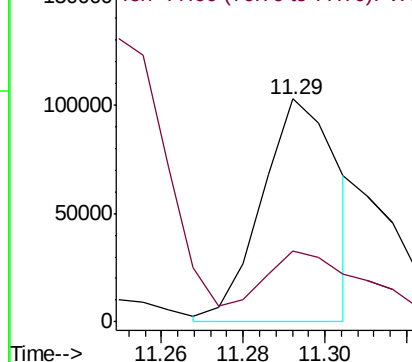
Lab File: VX009815.D

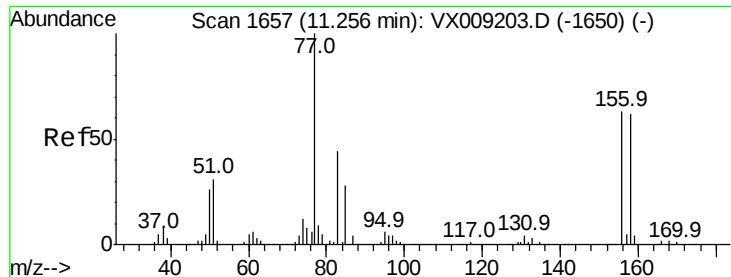
Acq: 22 May 2019 19:27

Tgt Ion:	75	Resp:	132958
Ion Ratio	Lower	Upper	
75	100		
77	44.3	22.1	66.1



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





#77

Bromobenzene

Concen: 45.626 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

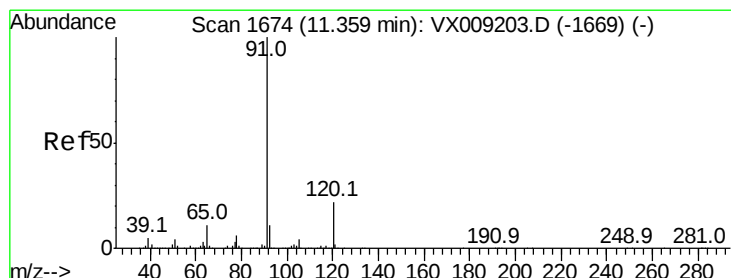
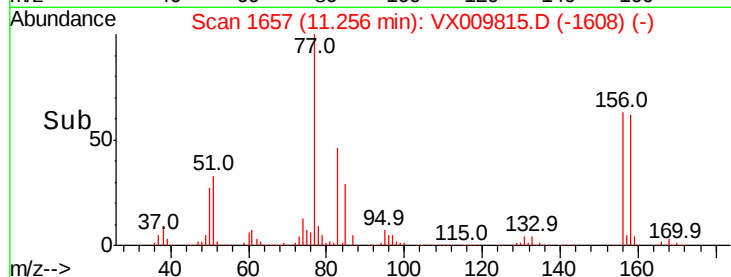
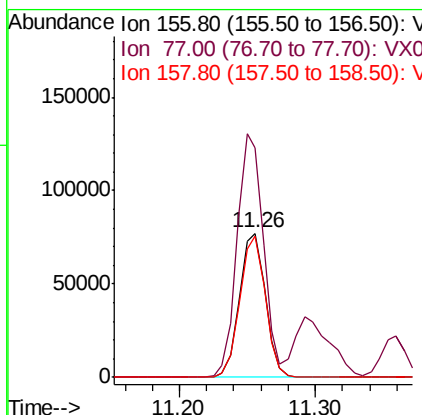
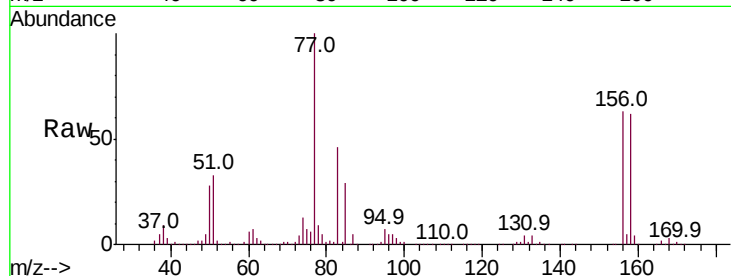
ClientSampleId :

EP1-PZ-E3-4MSD

Tot Ion:	156	Resp:	102161
Ion Ratio	Lower	Upper	
156	100		
77	171.1	84.8	254.3
158	96.8	49.1	147.3

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#78

n-propylbenzene

Concen: 66.280 ug/l

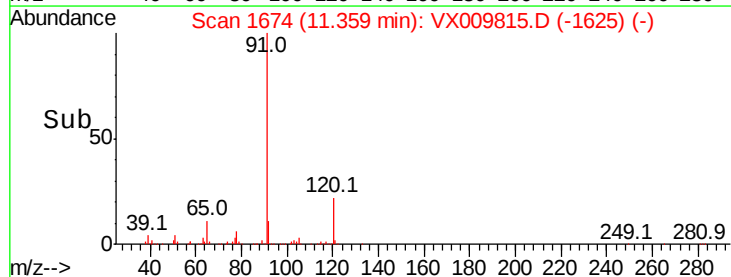
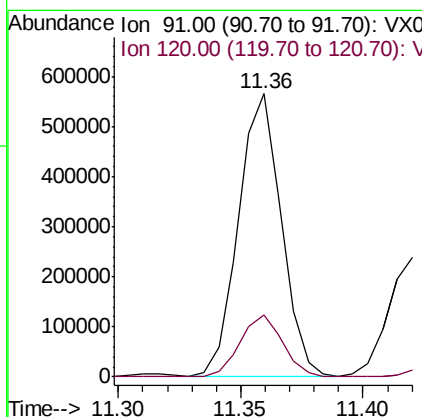
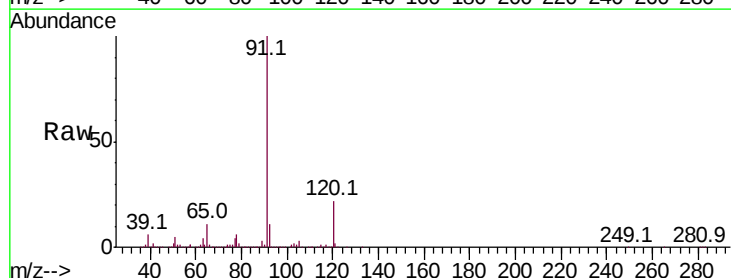
RT: 11.36 min Scan# 1674

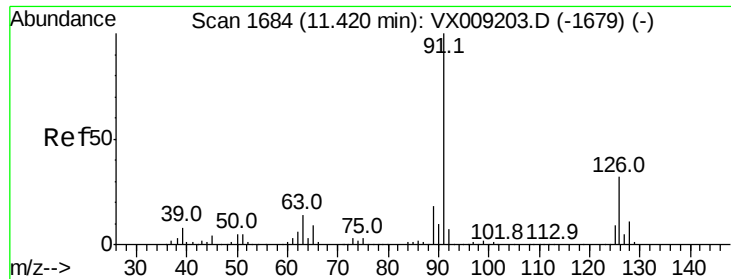
Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Tgt Ion:	91	Resp:	682860
Ion Ratio	Lower	Upper	
91	100		
120	21.8	11.0	33.0





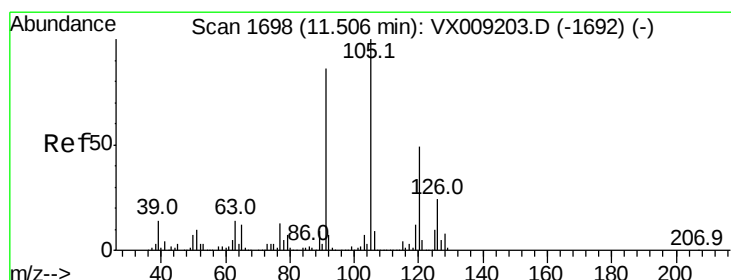
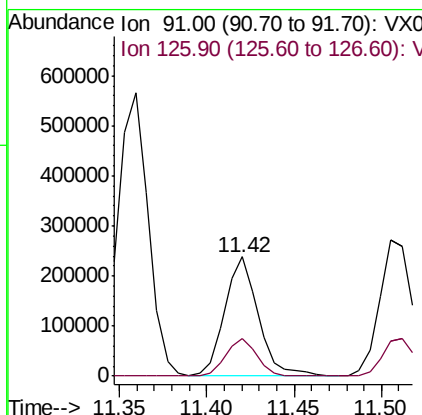
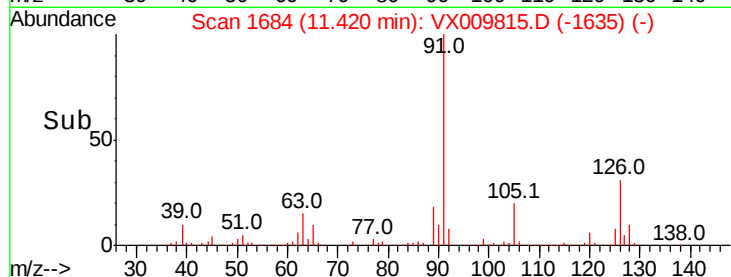
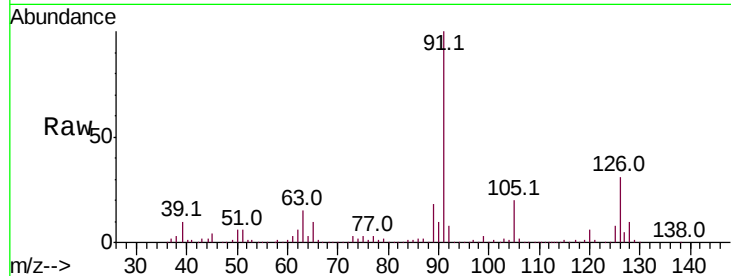
#79
 2-Chlorotoluene
 Concen: 49.674 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-PZ-E3-4MSD

Tot Ion: 91 Resp: 315738
 Ion Ratio Lower Upper
 91 100
 126 29.4 16.3 48.9

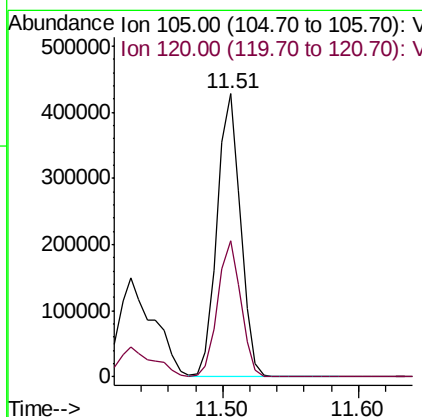
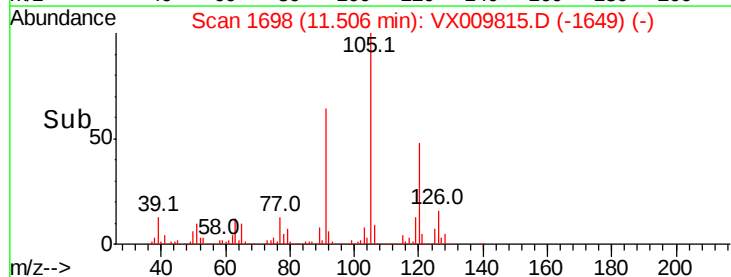
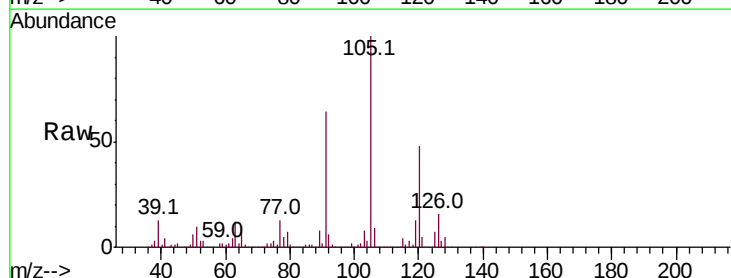
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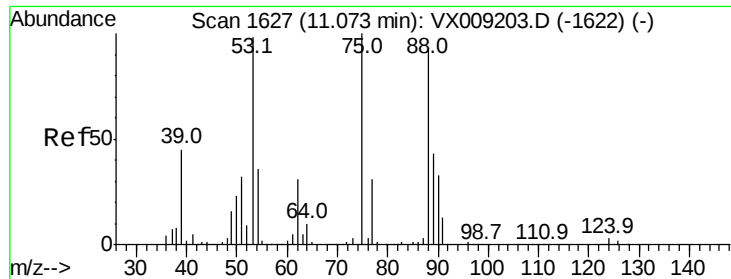
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#80
 1,3,5-Trimethylbenzene
 Concen: 67.202 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

Tgt Ion: 105 Resp: 510463
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 46.786 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

EP1-PZ-E3-4MSD

Tot Ion: 75 Resp: 52619

Ion Ratio Lower Upper

75 100

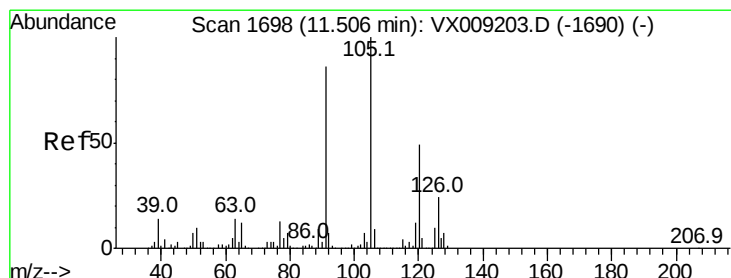
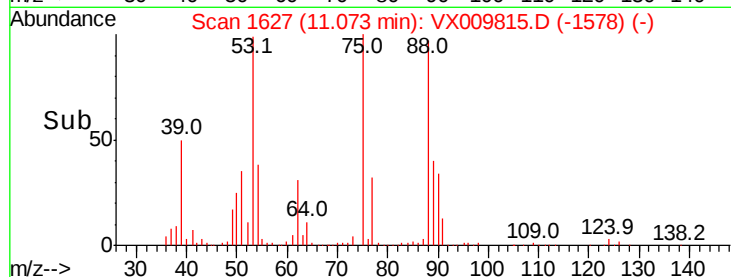
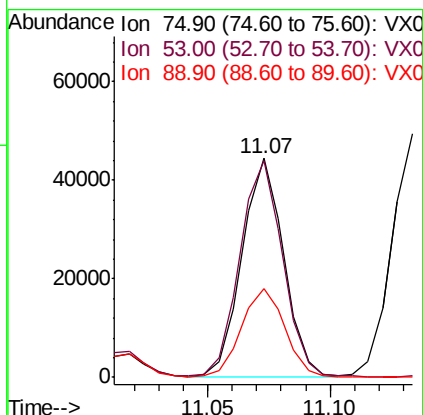
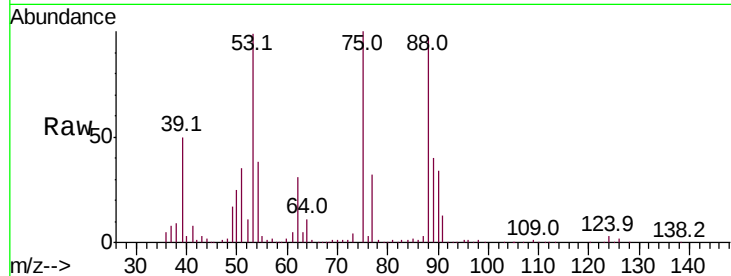
53 100.8 79.0 118.6

89 42.4 34.7 52.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.599 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009815.D

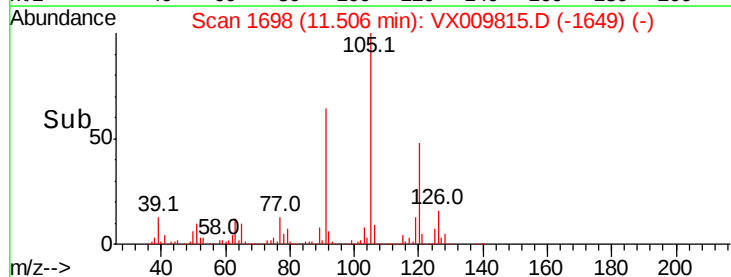
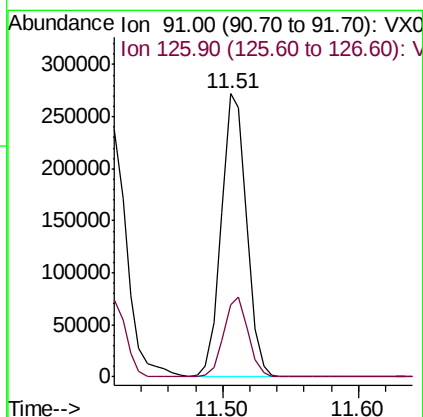
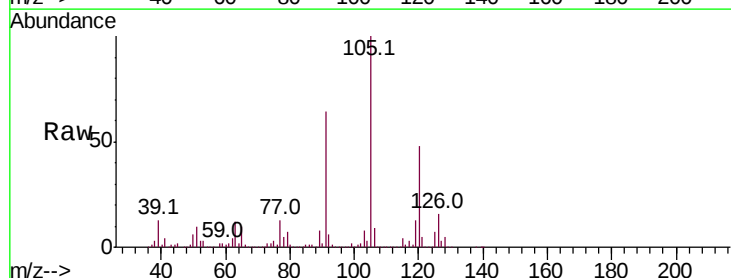
Acq: 22 May 2019 19:27

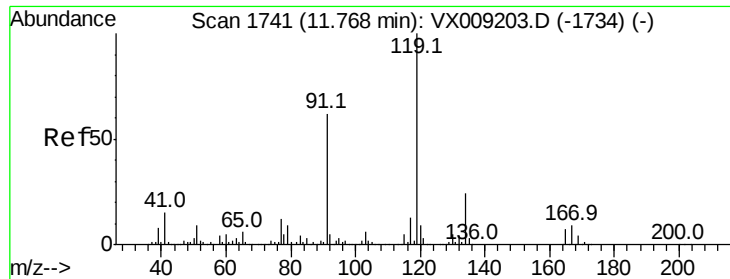
Tgt Ion: 91 Resp: 348976

Ion Ratio Lower Upper

91 100

126 27.1 14.5 43.6





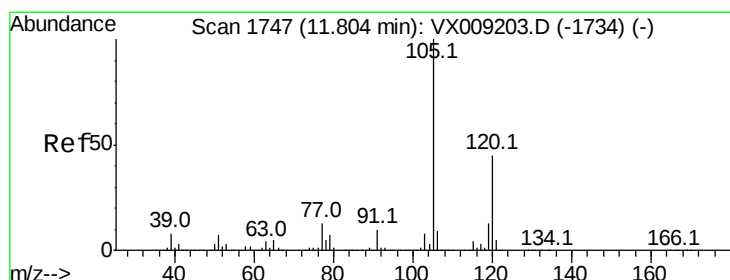
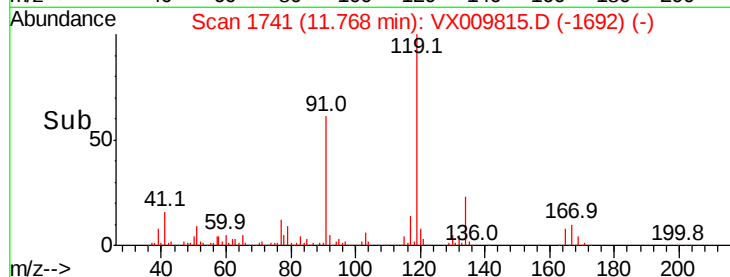
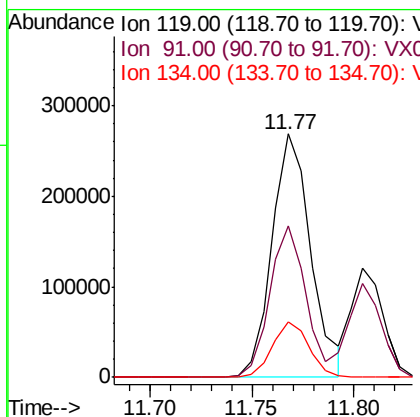
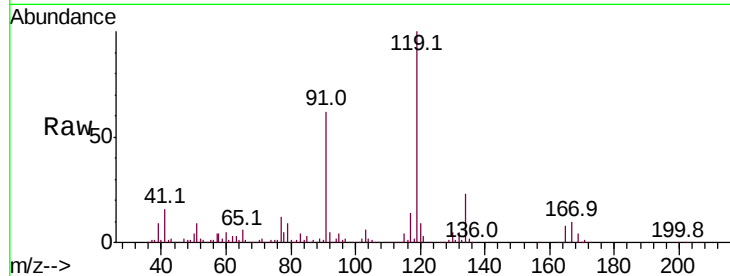
#83
tert-Butylbenzene
Concen: 48.399 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
EP1-PZ-E3-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	357628		
91	57.1	29.5	88.5	
134	21.5	11.4	34.1	

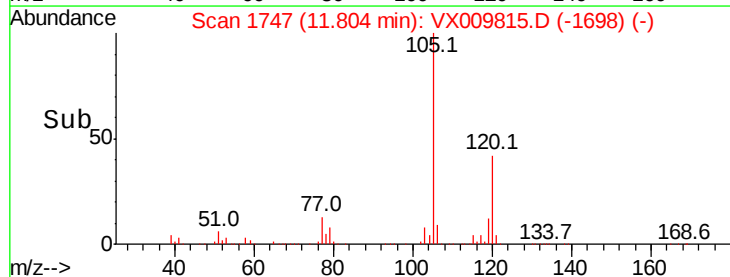
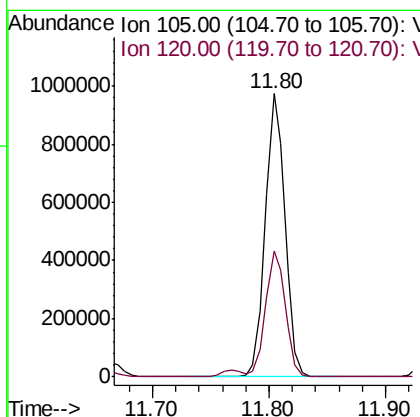
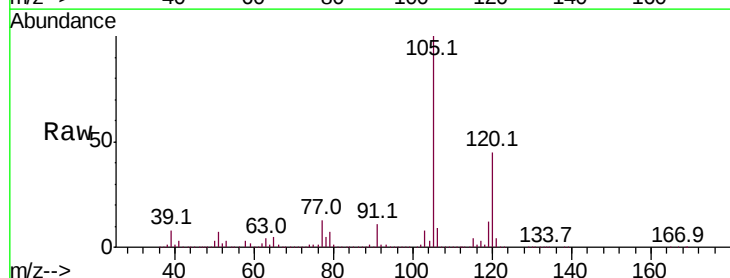
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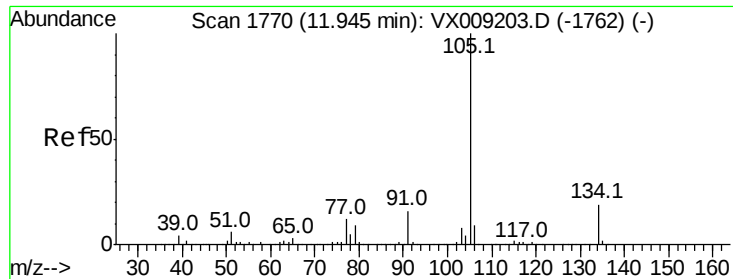
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#84
1,2,4-Trimethylbenzene
Concen: 150.786 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1149647		
120	44.7	22.0	66.0	





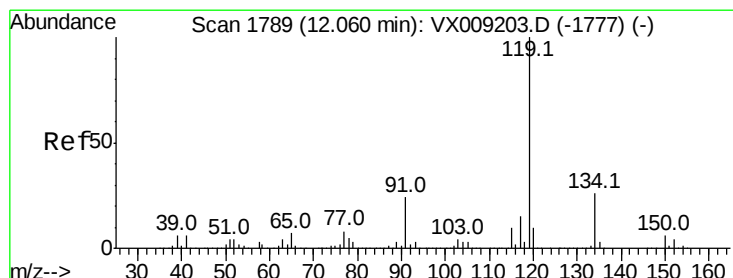
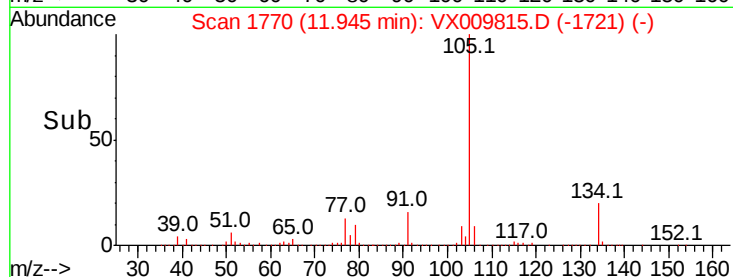
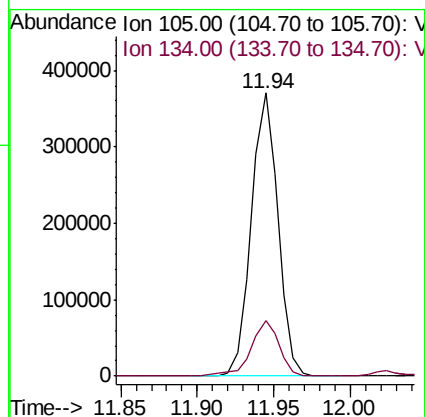
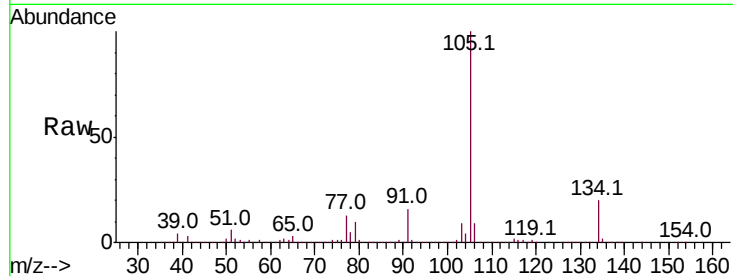
#85
 sec-Butylbenzene
 Concen: 50.991 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-PZ-E3-4MSD

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	9.7	28.9

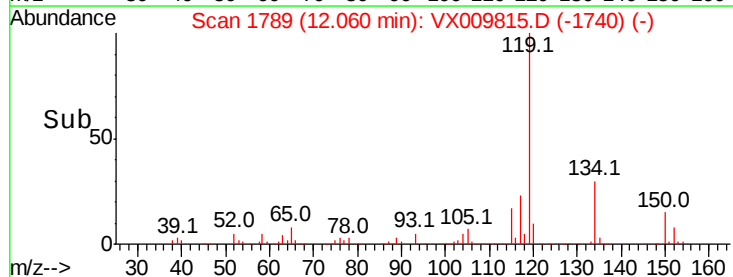
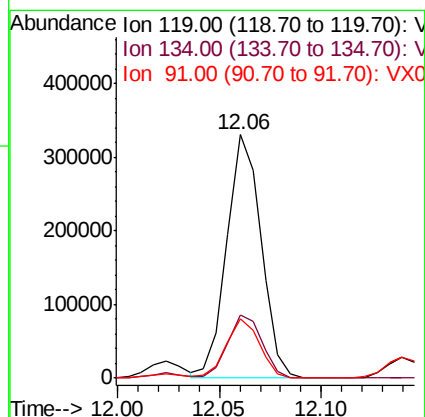
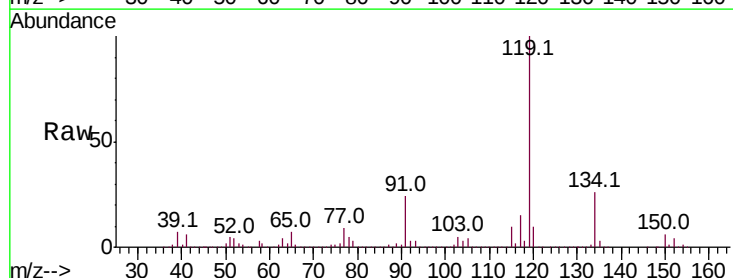
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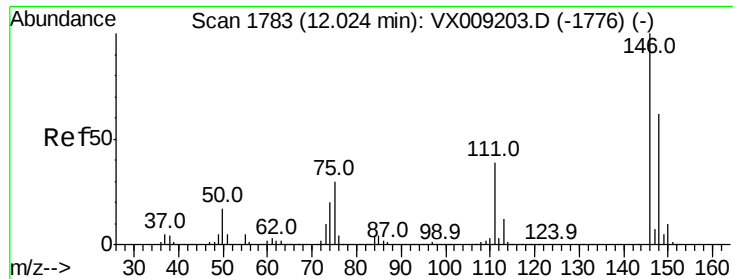
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#86
 p-Isopropyltoluene
 Concen: 48.940 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.7
91	23.8	11.8	35.4





#87

1,3-Dichlorobenzene

Concen: 45.801 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

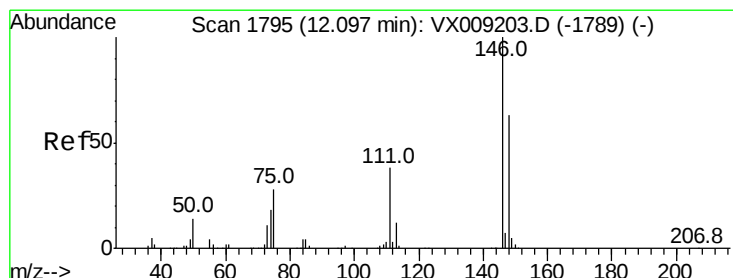
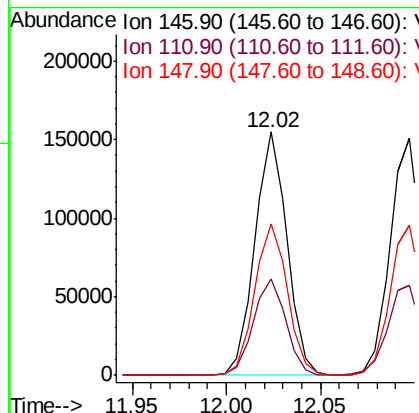
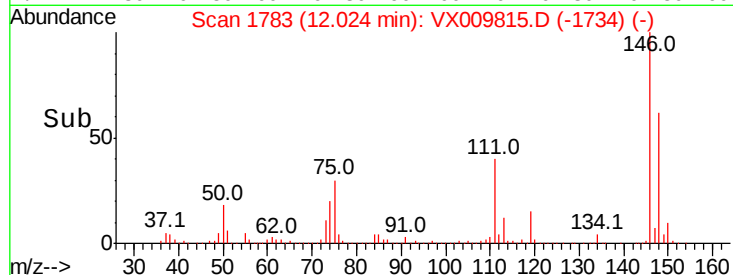
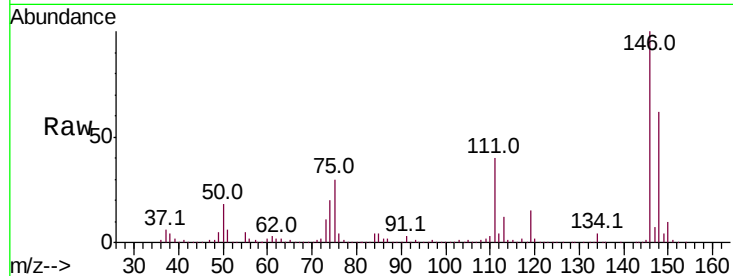
ClientSampleId :

EP1-PZ-E3-4MSD

Tot Ion:	146	Resp:	182821
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.0	59.9
148	63.4	31.8	95.3

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#88

1,4-Dichlorobenzene

Concen: 45.352 ug/l

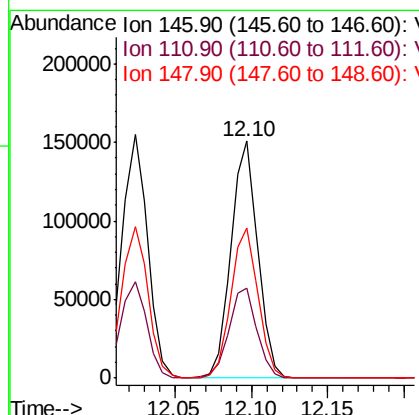
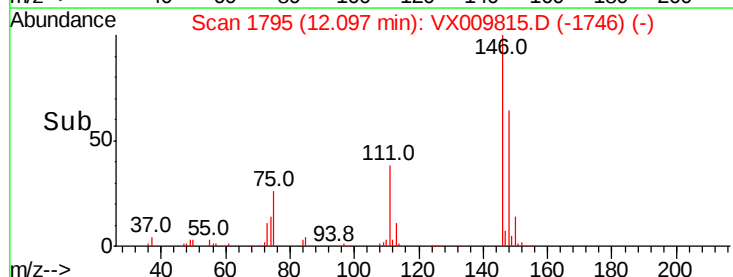
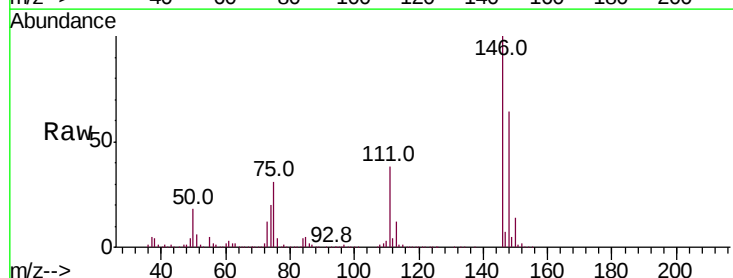
RT: 12.10 min Scan# 1795

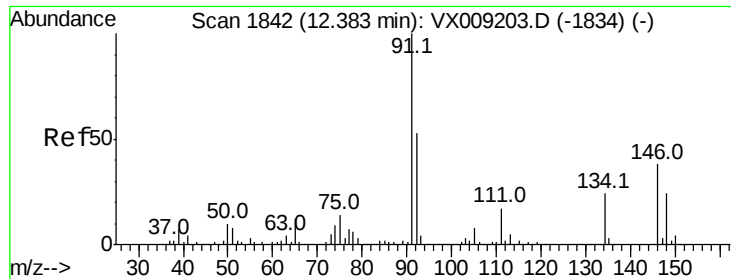
Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Tgt Ion:	146	Resp:	182510
Ion Ratio	Lower	Upper	
146	100		
111	39.5	19.6	58.8
148	64.1	31.8	95.3





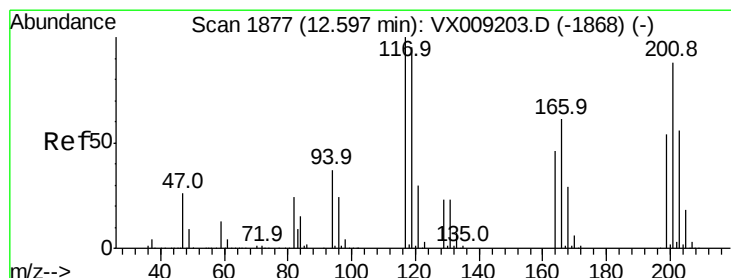
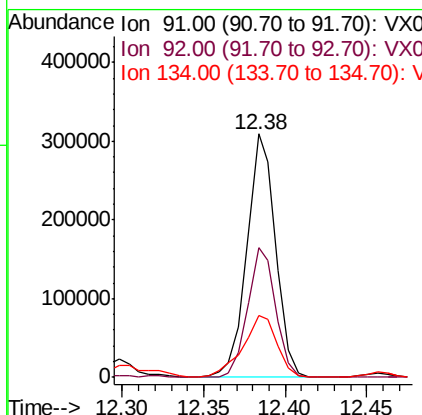
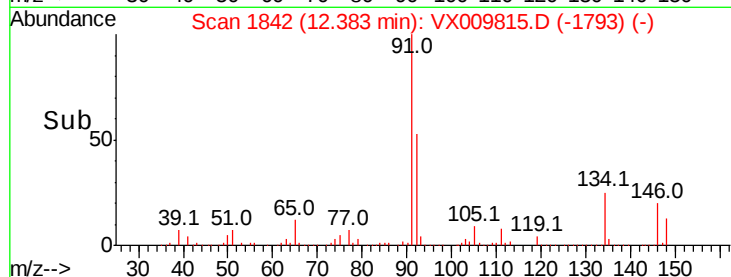
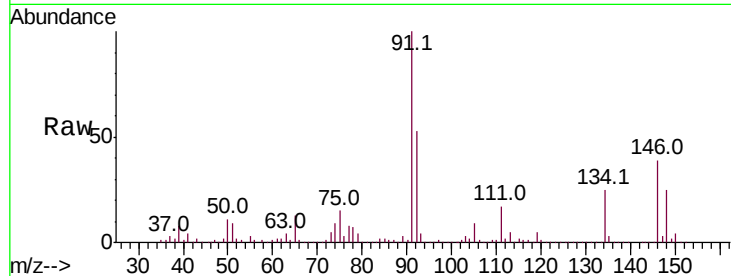
#89
n-Butylbenzene
Concen: 53.321 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
EP1-PZ-E3-4MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.5	79.5
134	30.3	12.4	37.2

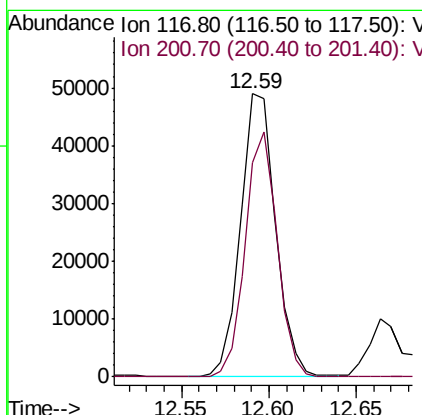
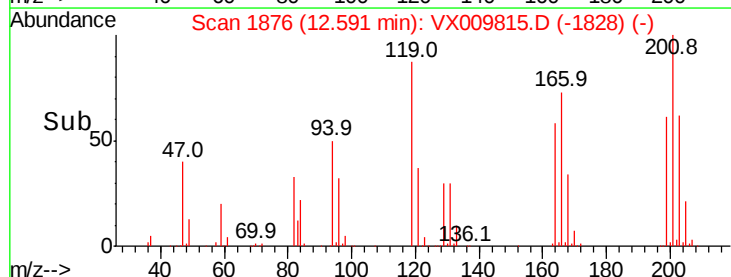
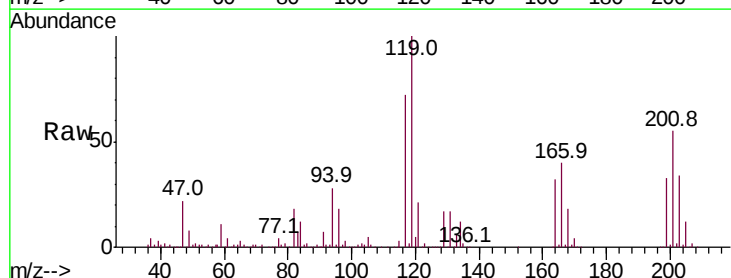
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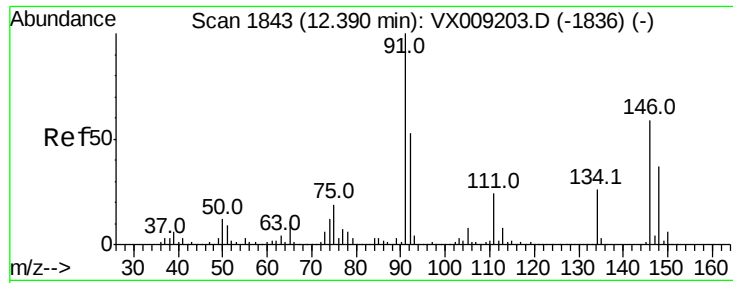
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#90
Hexachloroethane
Concen: 51.073 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.3	42.3	126.9





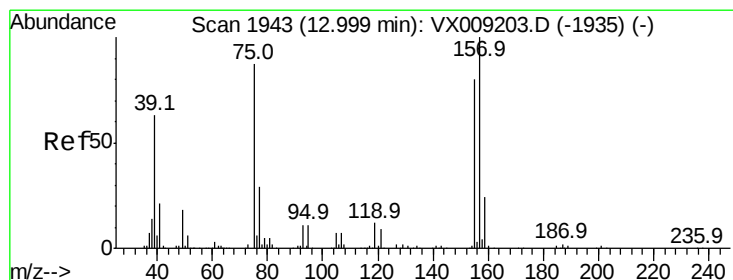
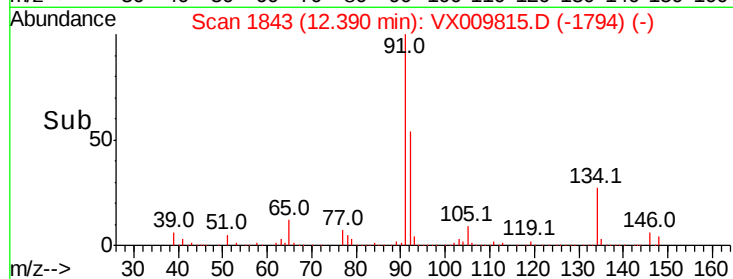
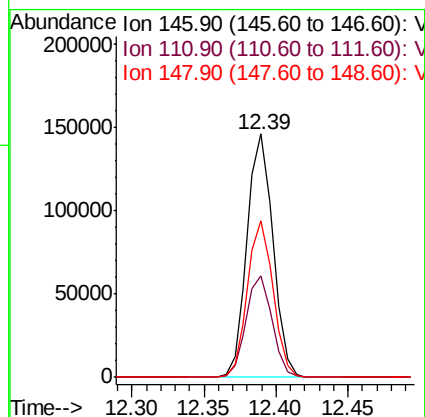
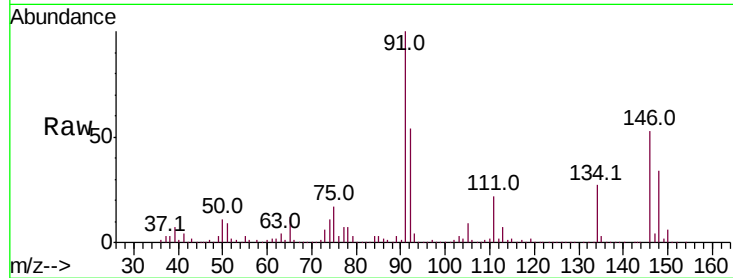
#91
 1,2-Dichlorobenzene
 Concen: 44.644 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-PZ-E3-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	181504		
111	41.7	20.8	62.4	
148	63.9	31.9	95.9	

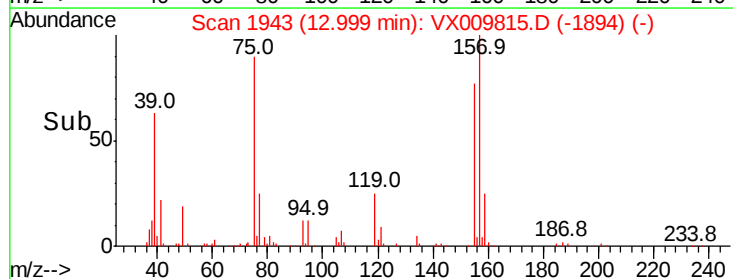
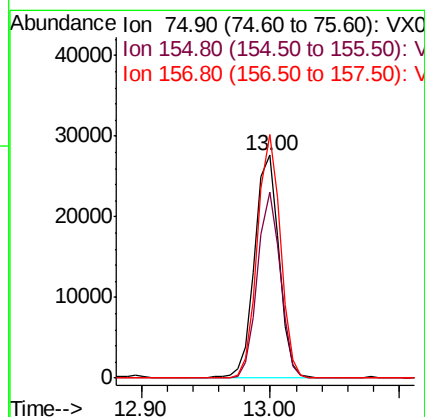
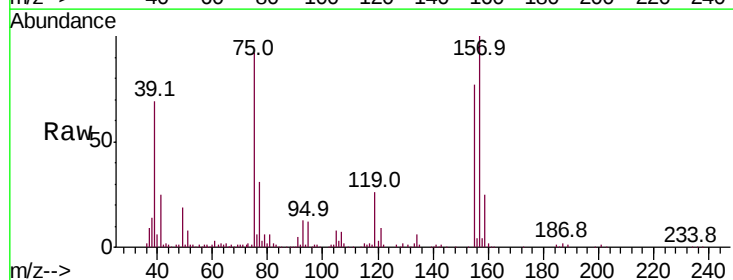
Manual Integrations
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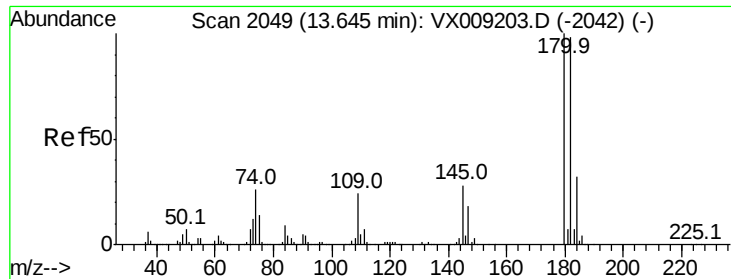
MMDadoda
 5/23/2019 10:45:07 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.377 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	35742		
155	78.5	42.0	126.0	
157	102.9	53.2	159.6	





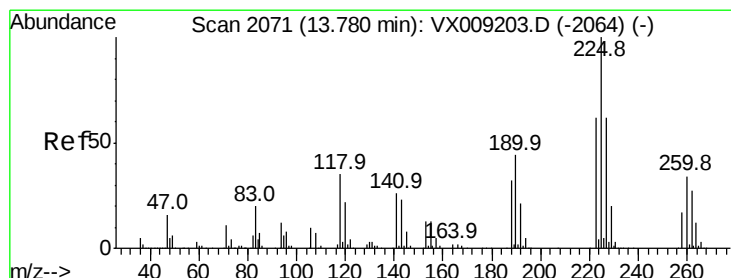
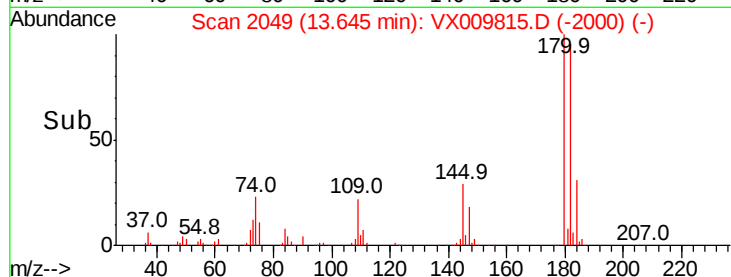
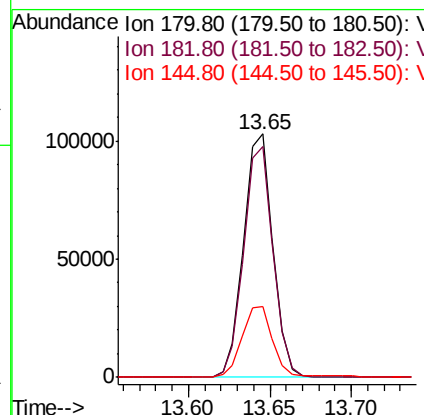
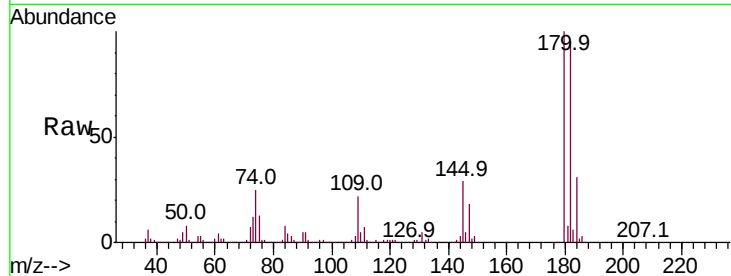
#93
 1,2,4-Trichlorobenzene
 Concen: 46.450 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-PZ-E3-4MSD

Tot Ion:	180	Resp:	129142
Ion Ratio	Lower	Upper	
180	100		
182	95.2	48.4	145.2
145	31.7	14.6	43.8

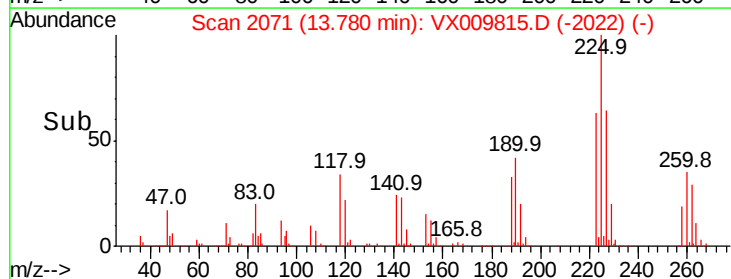
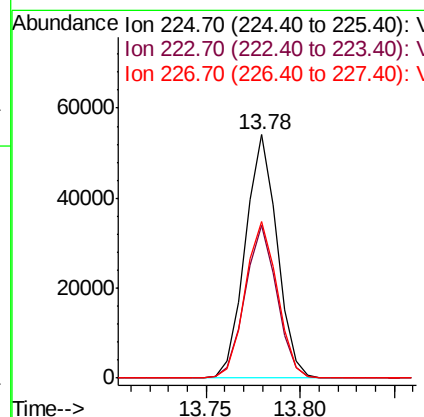
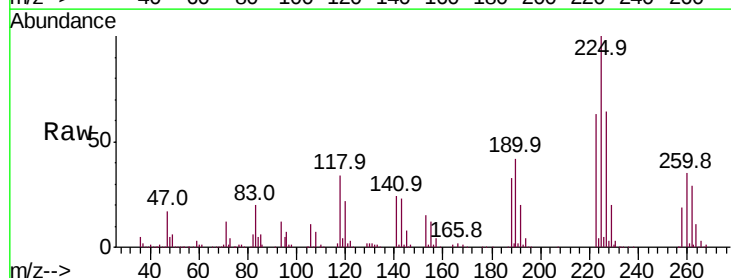
Manual Integrations
 APPROVED

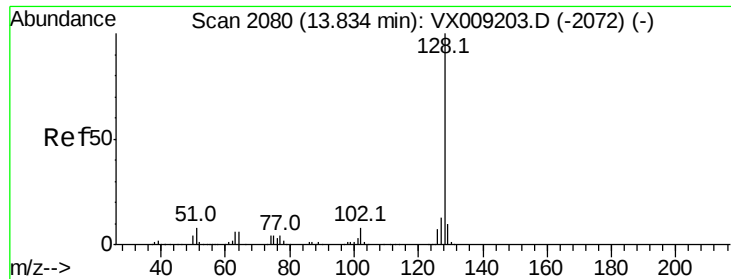
MMDadoda
 5/23/2019 10:45:07 AM



#94
 Hexachlorobutadiene
 Concen: 44.614 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

Tgt Ion:	225	Resp:	63341
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.3	93.8
227	65.2	31.8	95.3





#95

Naphthalene

Concen: 51.555 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

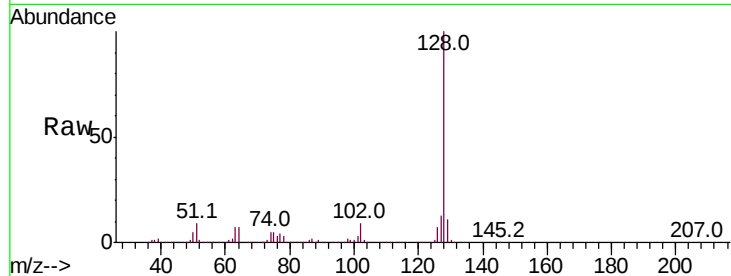
ClientSampleId :

EP1-PZ-E3-4MSD

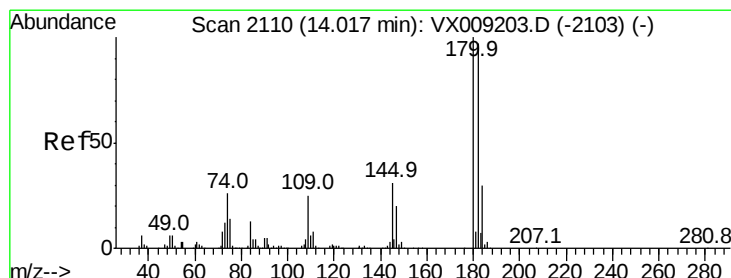
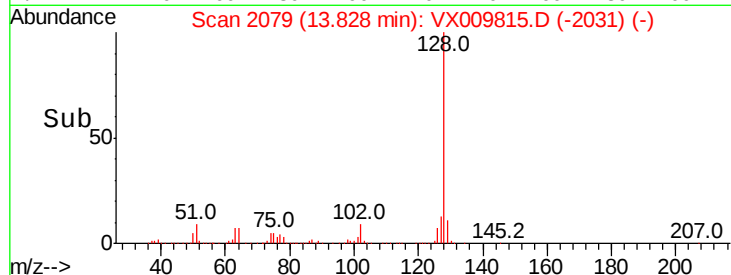
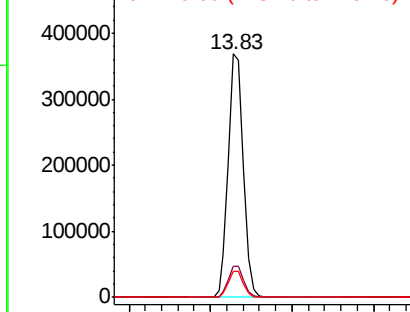
Tot Ion:	128	Resp:	466324
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/23/2019 10:45:07 AM



Abundance Ion 128.00 (127.70 to 128.70): V
500000
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 45.997 ug/l

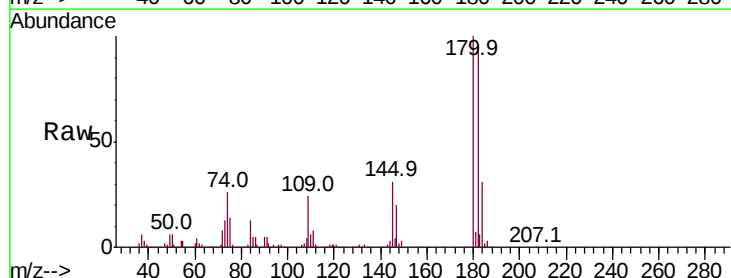
RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Tgt Ion:	180	Resp:	129630
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.8	143.4
145	31.1	15.4	46.4



Abundance Ion 179.80 (179.50 to 180.50): V
150000
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

