

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090119\
 Data File : VX011989.D
 Acq On : 01 Sep 2019 13:48
 Operator : SY/SP
 Sample : VX0901SBS01
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0901SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/5/2019 2:04:52 AM

Quant Time: Sep 02 04:10:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	404849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	518156	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	472733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	285438	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	150764	38.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.74%	
35) Dibromofluoromethane	5.48	113	148388	44.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.32%	
50) Toluene-d8	8.71	98	545012	45.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.78%	
62) 4-Bromofluorobenzene	11.13	95	222348	42.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.36%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	54616	22.352	ug/l 100
3) Chloromethane	1.31	50	50303	17.759	ug/l 100
4) Vinyl Chloride	1.39	62	51982	19.218	ug/l 99
5) Bromomethane	1.62	94	35053	18.730	ug/l 98
6) Chloroethane	1.70	64	31935	18.971	ug/l 100
7) Trichlorofluoromethane	1.91	101	97513	20.759	ug/l 97
8) Diethyl Ether	2.17	74	26616	16.487	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	63323	20.683	ug/l 97
10) Methyl Iodide	2.50	142	49755	17.467	ug/l 99
11) Tert butyl alcohol	3.03	59	26480	70.959	ug/l 97
12) 1,1-Dichloroethene	2.36	96	55286	19.443	ug/l 99
13) Acrolein	2.28	56	12864	69.260	ug/l 97
14) Allyl chloride	2.71	41	93863	17.598	ug/l 97
15) Acrylonitrile	3.12	53	67470	76.087	ug/l 99
16) Acetone	2.43	43	72924	87.380	ug/l 99
17) Carbon Disulfide	2.55	76	139131	17.059	ug/l 98
18) Methyl Acetate	2.76	43	33790	14.626	ug/l 97
19) Methyl tert-butyl Ether	3.18	73	154559	16.779	ug/l 98
20) Methylene Chloride	2.84	84	63644	14.373	ug/l 97
21) trans-1,2-Dichloroethene	3.15	96	62714	18.724	ug/l 98
22) Diisopropyl ether	3.84	45	187606	17.229	ug/l 98
23) Vinyl Acetate	3.80	43	567640	81.082	ug/l 99
24) 1,1-Dichloroethane	3.68	63	108534	18.075	ug/l 98
25) 2-Butanone	4.65	43	94657	77.874	ug/l 100
26) 2,2-Dichloropropane	4.56	77	108931	21.629	ug/l 99
27) cis-1,2-Dichloroethene	4.58	96	72925	18.484	ug/l 99
28) Bromochloromethane	5.00	49	45642	16.939	ug/l 95
29) Tetrahydrofuran	5.11	42	55087	72.609	ug/l 96
30) Chloroform	5.19	83	118942	18.526	ug/l 100
31) Cyclohexane	5.56	56	94986	19.612	ug/l 98
32) 1,1,1-Trichloroethane	5.48	97	112782	19.775	ug/l 99
36) 1,1-Dichloropropene	5.78	75	85851	20.914	ug/l 99
37) Ethyl Acetate	4.81	43	38341	15.779	ug/l 97
38) Carbon Tetrachloride	5.77	117	105373	22.133	ug/l 99

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Quant Time: Sep 02 04:10:19 2019
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 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	107282	21.941	ug/l	99
40) Benzene	6.13	78	244561	19.959	ug/l	99
41) Methacrylonitrile	5.03	41	24162	16.888	ug/l	97
42) 1,2-Dichloroethane	6.18	62	80491	19.316	ug/l	100
43) Isopropyl Acetate	6.43	43	80698	16.380	ug/l	99
44) Trichloroethene	7.20	130	79932	21.083	ug/l	98
45) 1,2-Dichloropropane	7.50	63	61237	19.106	ug/l	97
46) Dibromomethane	7.65	93	35051	18.427	ug/l	98
47) Bromodichloromethane	7.89	83	93160	19.750	ug/l	97
48) Methyl methacrylate	7.76	41	40210	16.775	ug/l	99
49) 1,4-Dioxane	7.73	88	10831	328.581	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	202040	80.727	ug/l	100
52) Toluene	8.78	92	163704	20.194	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	90359	18.701	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	104546	19.275	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	52137	18.722	ug/l	94
56) Ethyl methacrylate	9.17	69	65642	16.984	ug/l	99
57) 1,3-Dichloropropane	9.37	76	86064	18.620	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	157326	85.464	ug/l	98
59) 2-Hexanone	9.48	43	147183	82.790	ug/l	99
60) Dibromochloromethane	9.57	129	71162	19.026	ug/l	99
61) 1,2-Dibromoethane	9.67	107	50737	18.377	ug/l	100
64) Tetrachloroethene	9.33	164	81796	21.510	ug/l	97
65) Chlorobenzene	10.13	112	191500	20.904	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	77486	20.916	ug/l	98
67) Ethyl Benzene	10.25	91	330030	21.179	ug/l	100
68) m/p-Xylenes	10.36	106	258545	42.969	ug/l	99
69) o-Xylene	10.70	106	123737	21.103	ug/l	100
70) Styrene	10.71	104	214500	20.755	ug/l	100
71) Bromoform	10.85	173	49520	18.905	ug/l #	100
73) Isopropylbenzene	11.01	105	348259	21.234	ug/l	100
74) N-amyl acetate	10.89	43	78780	16.186	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.26	83	59444	17.710	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	44312m	15.781	ug/l	
77) Bromobenzene	11.25	156	96136	20.211	ug/l	96
78) n-propylbenzene	11.35	91	397355	21.366	ug/l	100
79) 2-Chlorotoluene	11.42	91	226173	20.204	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	295024	20.841	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	19085	17.075	ug/l	97
82) 4-Chlorotoluene	11.51	91	277171	20.524	ug/l	100
83) tert-Butylbenzene	11.76	119	312006	21.721	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	297878	20.532	ug/l	99
85) sec-Butylbenzene	11.94	105	361487	21.666	ug/l	99
86) p-Isopropyltoluene	12.06	119	348460	21.539	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	183850	20.797	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	182764	20.451	ug/l	99
89) n-Butylbenzene	12.39	91	308440	21.549	ug/l	99
90) Hexachloroethane	12.59	117	65260	20.851	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	165335	20.116	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	10956	16.386	ug/l	94

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QLast Update : Fri Aug 30 01:59:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	143923	20.797	ug/l	99
94) Hexachlorobutadiene	13.78	225	106214	22.982	ug/l	100
95) Naphthalene	13.83	128	209645	17.651	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	125229	20.011	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Instrument :

MSVOA_X

ClientSampleId :

VX0901SBS01

Tot Ion:168 Resp: 404849

Ion Ratio Lower Upper

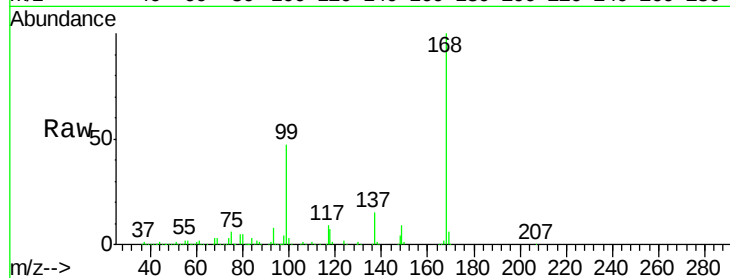
168 100

99 46.7 38.4 57.6

Manual Integrations
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9/5/2019 2:04:52 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

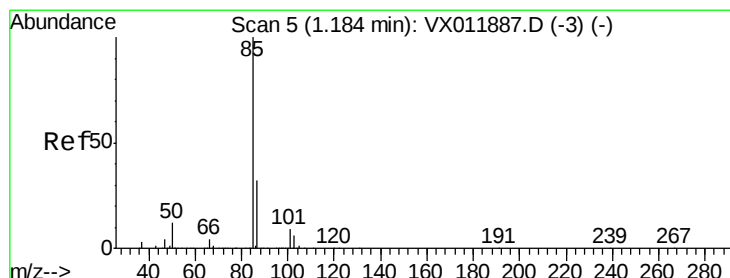
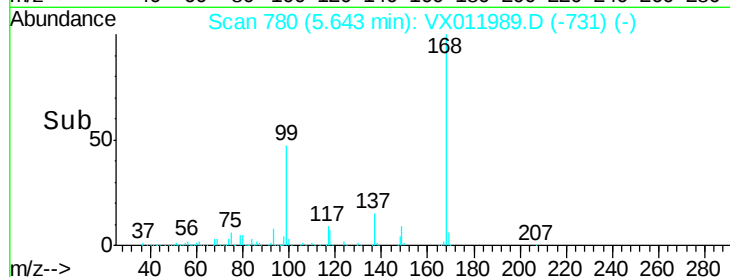
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.352 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX011989.D

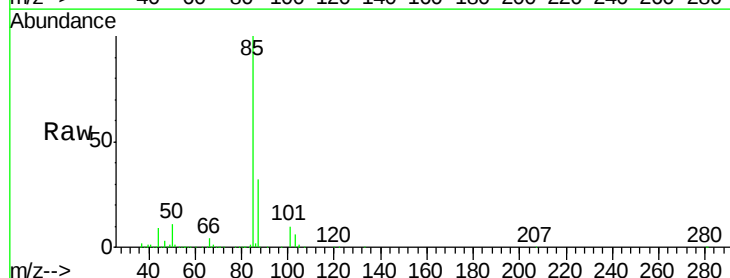
Acq: 01 Sep 2019 13:48

Tgt Ion: 85 Resp: 54616

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

50000

40000

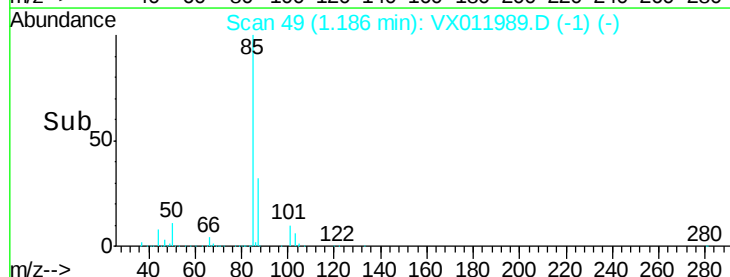
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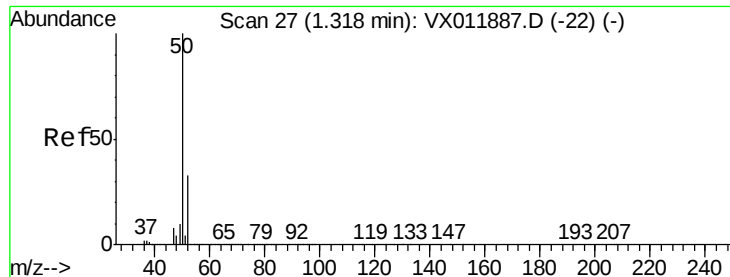
20000

10000

0

Time-->





#3

Chloromethane

Concen: 17.759 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Instrument :

MSVOA_X

ClientSampleId :

VX0901SBS01

Tot Ion: 50 Resp: 50303

Ion Ratio Lower Upper

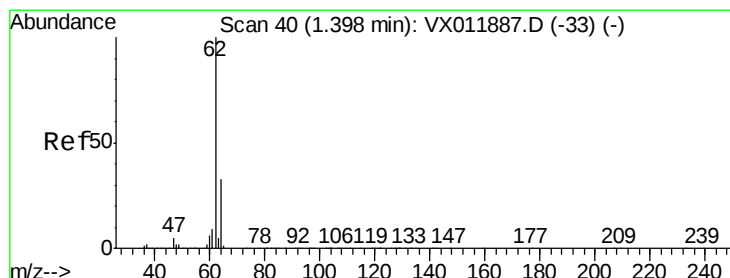
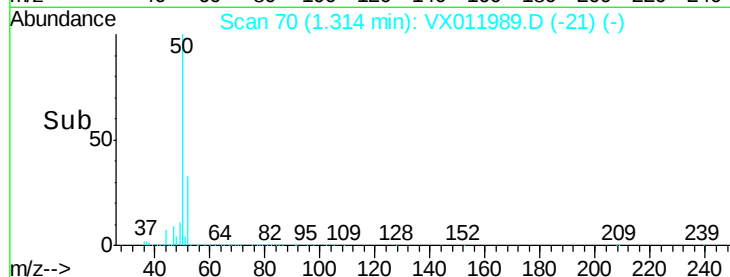
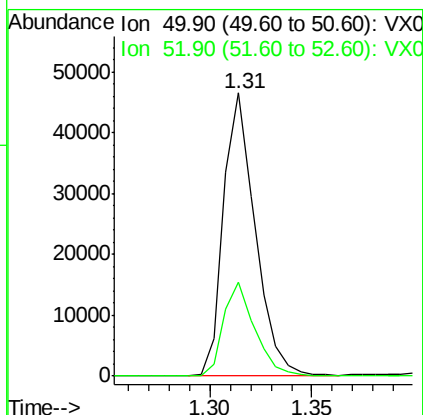
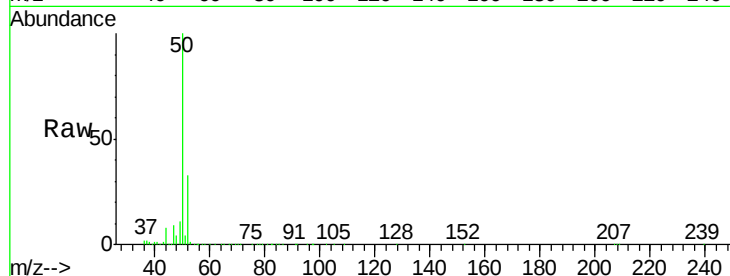
50 100

52 32.7 26.0 39.0

Manual Integrations
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9/5/2019 2:04:52 AM



#4

Vinyl Chloride

Concen: 19.218 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX011989.D

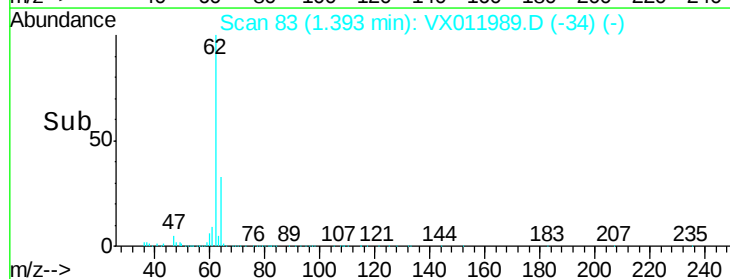
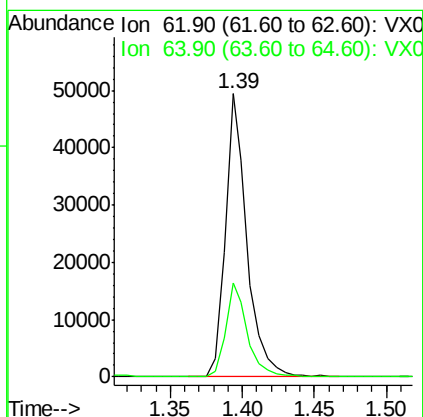
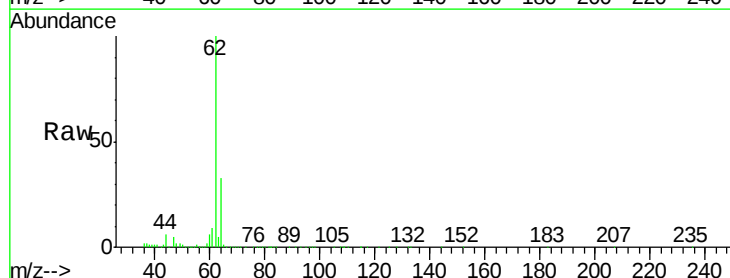
Acq: 01 Sep 2019 13:48

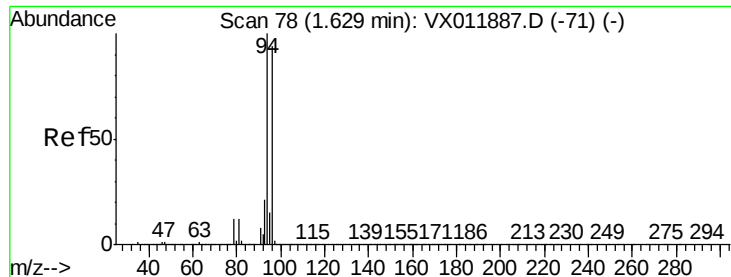
Tgt Ion: 62 Resp: 51982

Ion Ratio Lower Upper

62 100

64 33.1 26.0 39.0





#5

Bromomethane

Concen: 18.730 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Instrument :

MSVOA_X

ClientSampleId :

VX0901SBS01

Tot Ion: 94 Resp: 35053

Ion Ratio Lower Upper

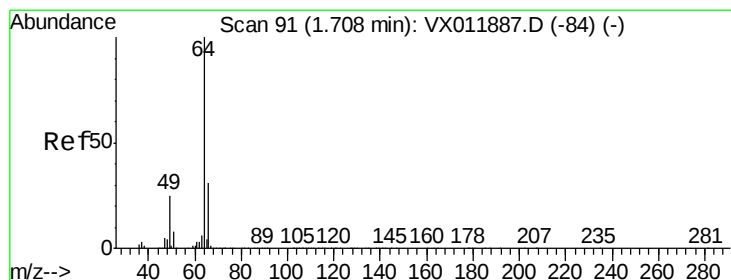
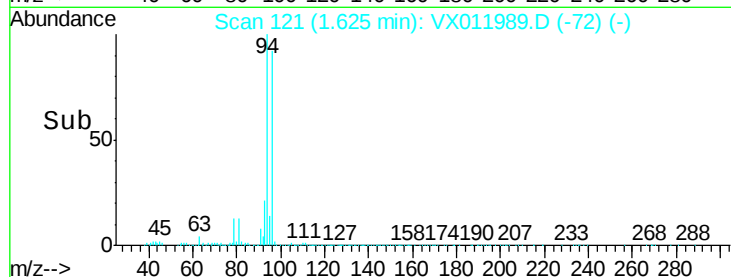
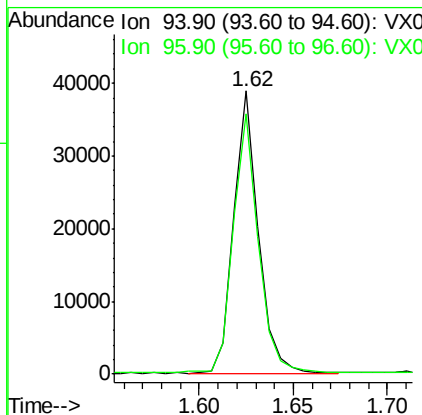
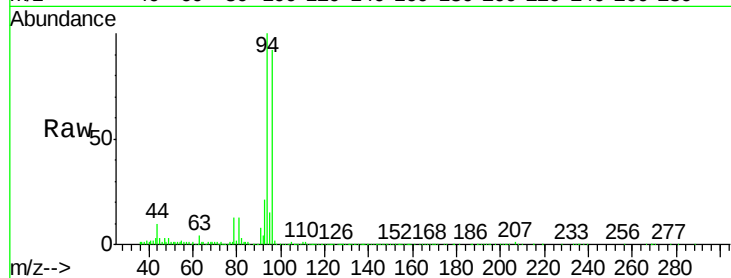
94 100

96 91.7 75.0 112.6

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9/5/2019 2:04:52 AM



#6

Chloroethane

Concen: 18.971 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX011989.D

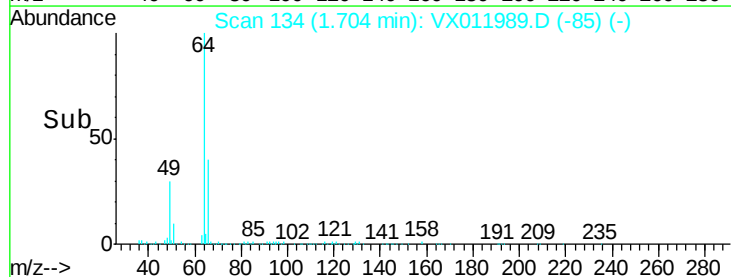
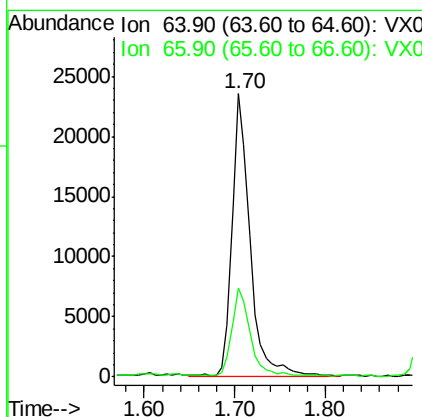
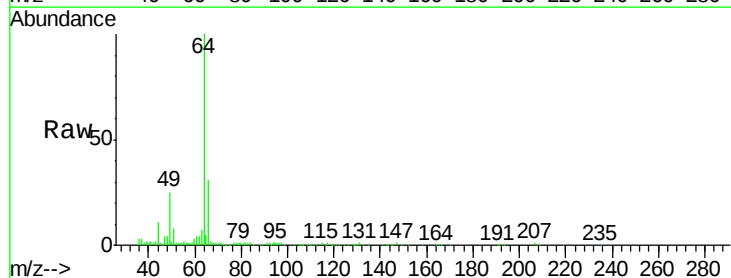
Acq: 01 Sep 2019 13:48

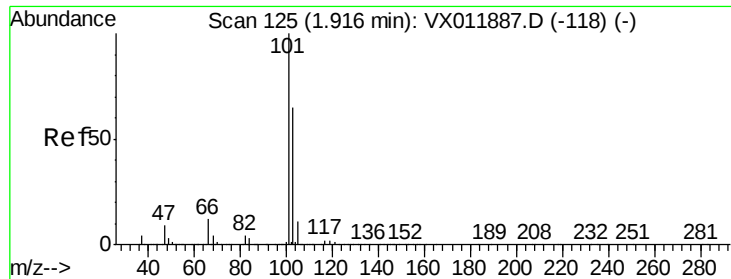
Tgt Ion: 64 Resp: 31935

Ion Ratio Lower Upper

64 100

66 31.1 25.0 37.4





#7

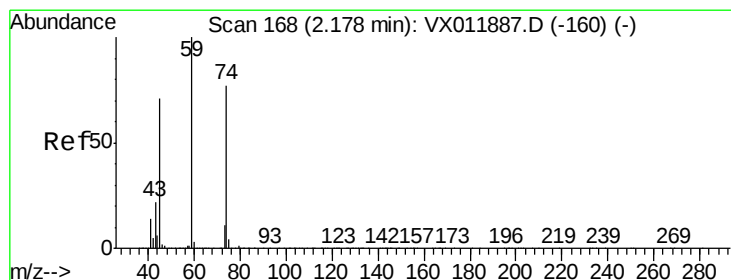
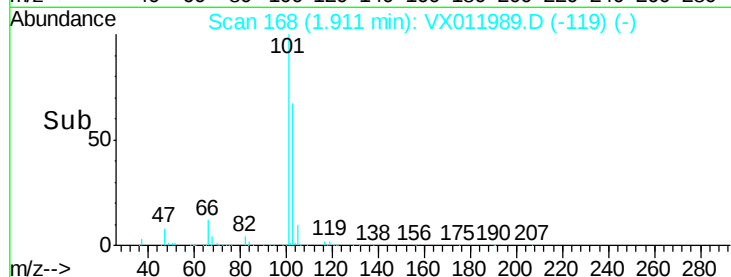
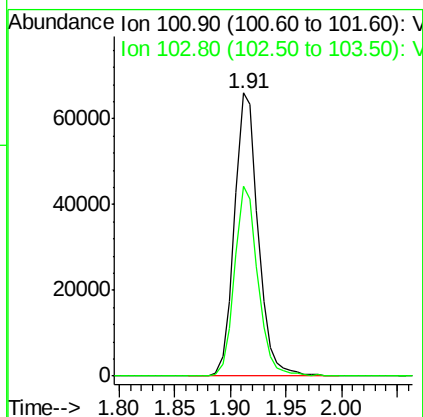
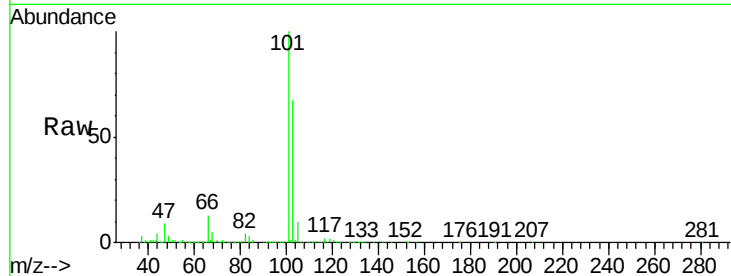
Trichlorofluoromethane
Concen: 20.759 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Instrument :
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ClientSampleId :
VX0901SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	51.6	77.4

Manual Integrations
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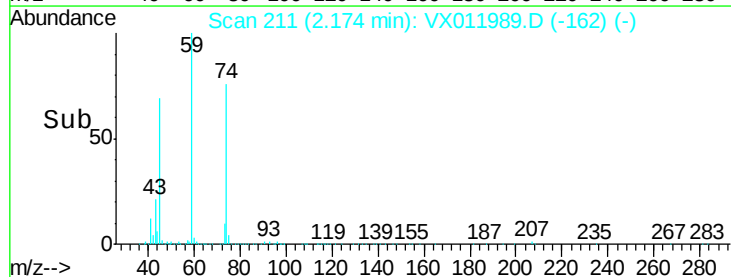
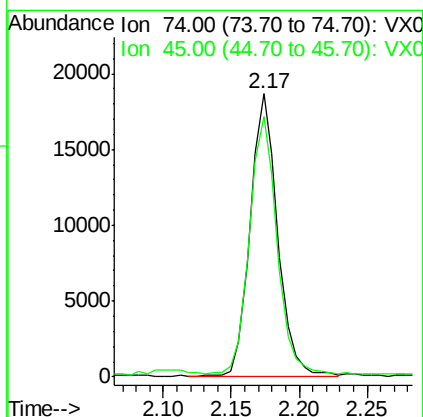
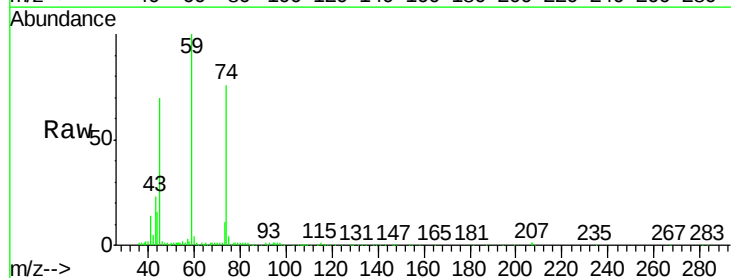
MMDadoda
9/5/2019 2:04:52 AM

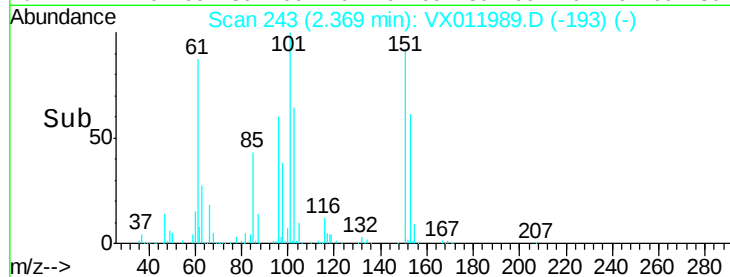
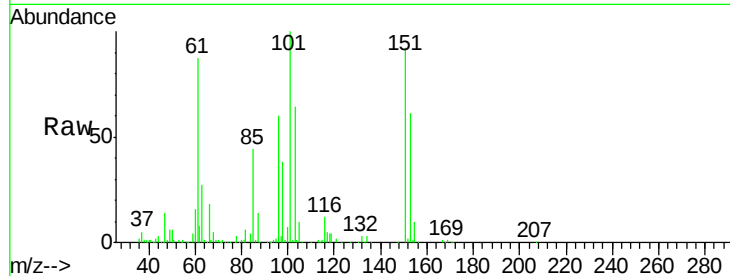
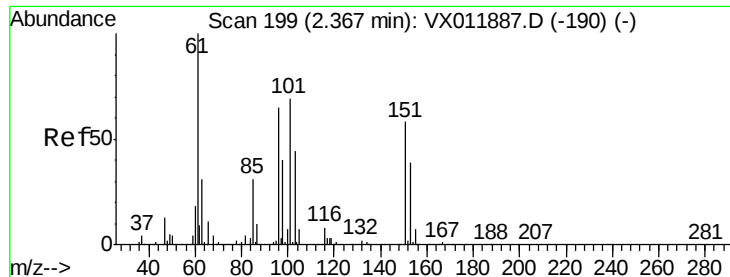


#8

Diethyl Ether
Concen: 16.487 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.7	46.7	140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.683 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX011989.D

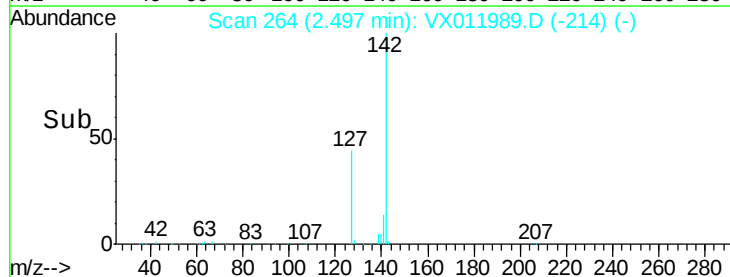
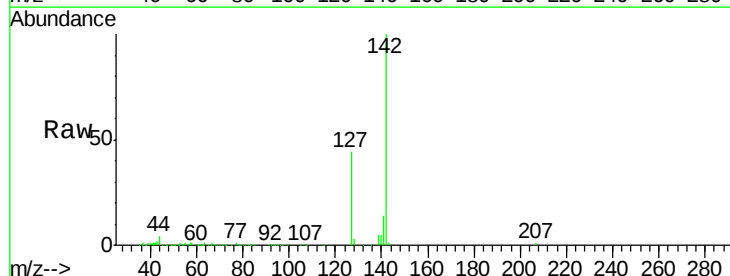
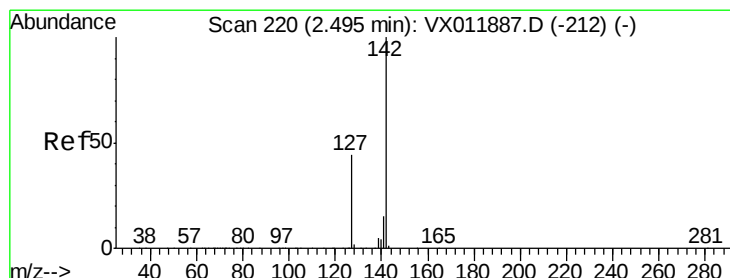
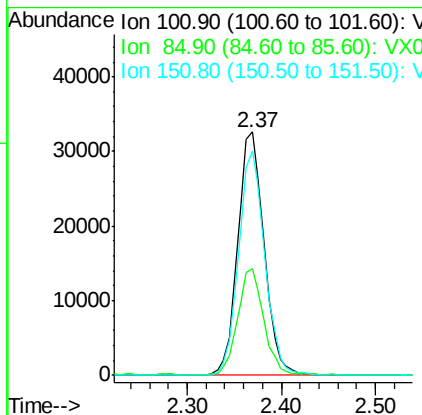
Acq: 01 Sep 2019 13:48

Tot Ion:	101	Resp:	63323
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.9	52.3
151	91.8	70.9	106.3

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBS01

Manual Integrations
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#10

Methyl Iodide

Concen: 17.467 ug/l

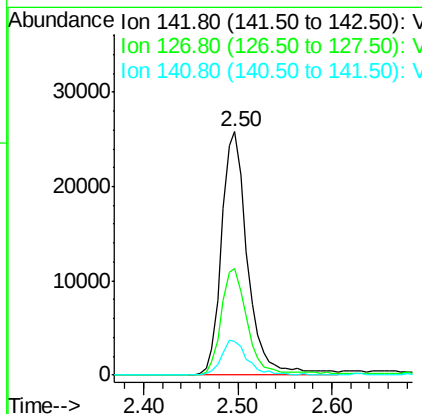
RT: 2.50 min Scan# 264

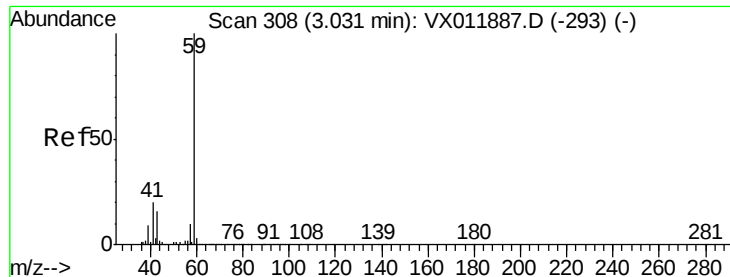
Delta R.T. 0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Tgt Ion:	142	Resp:	49755
Ion Ratio	Lower	Upper	
142	100		
127	44.1	35.7	53.5
141	14.3	11.8	17.6





#11

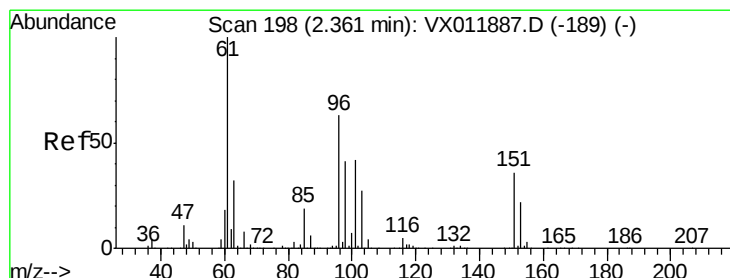
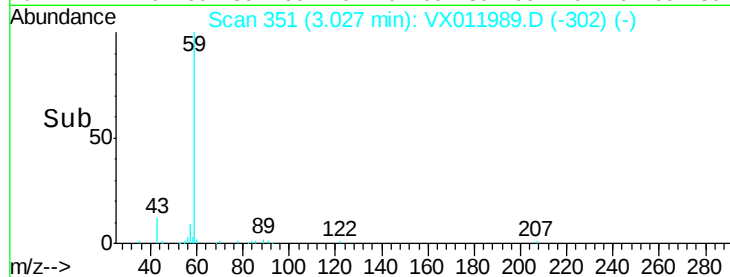
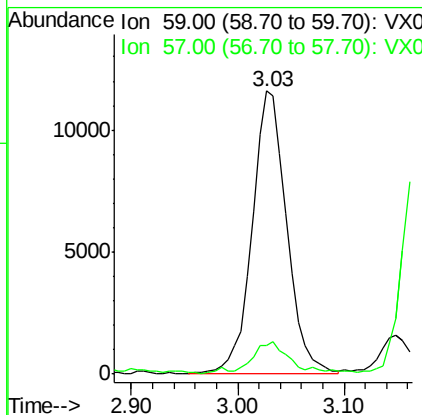
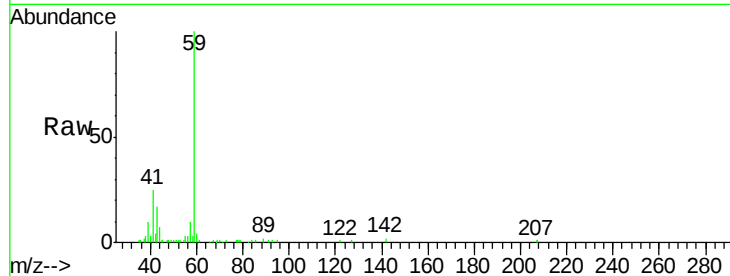
Tert butyl alcohol
Concen: 70.959 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Instrument :
MSVOA_X
ClientSampled :
VX0901SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.6	12.8

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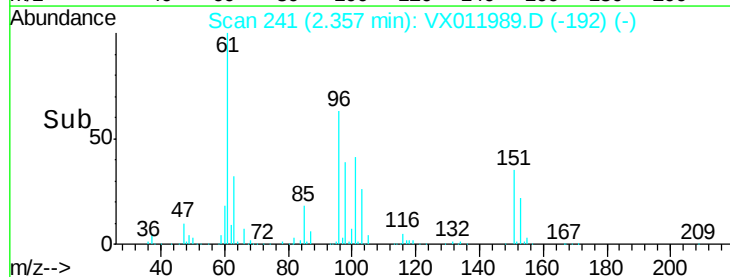
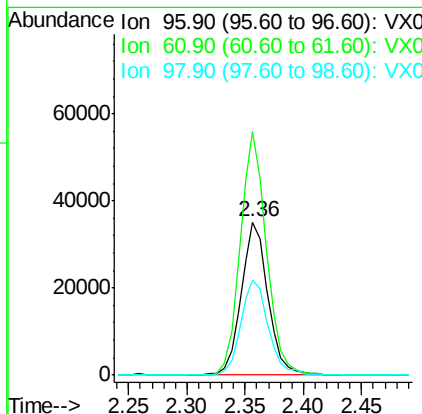
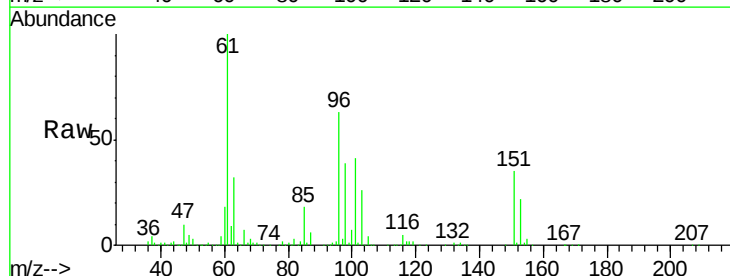
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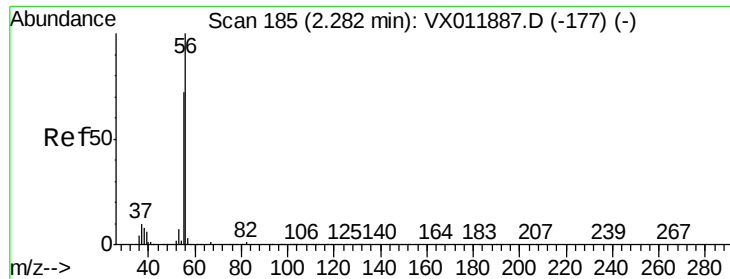


#12

1,1-Dichloroethene
Concen: 19.443 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.2	126.6	190.0
98	62.1	51.6	77.4





#13

Acrolein

Concen: 69.260 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Instrument :

MSVOA_X

ClientSampleId :

VX0901SBS01

Tot Ion: 56 Resp: 12864

Ion Ratio Lower Upper

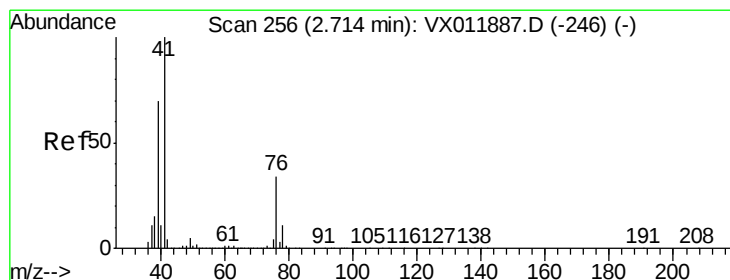
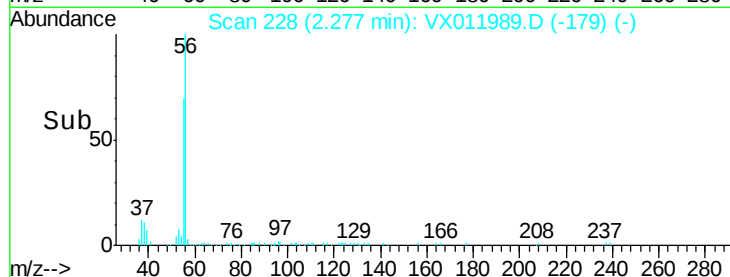
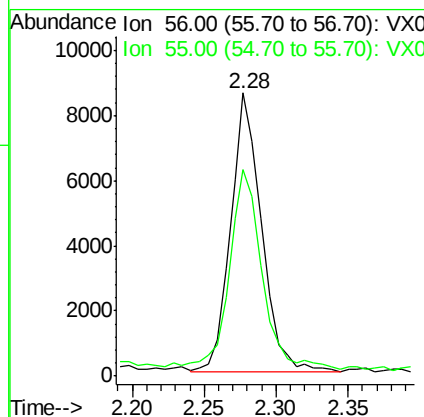
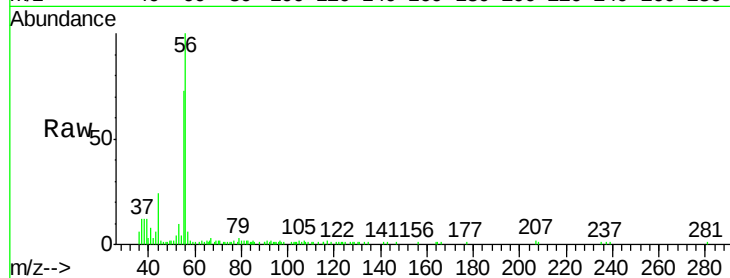
56 100

55 75.5 58.6 88.0

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#14

Allyl chloride

Concen: 17.598 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

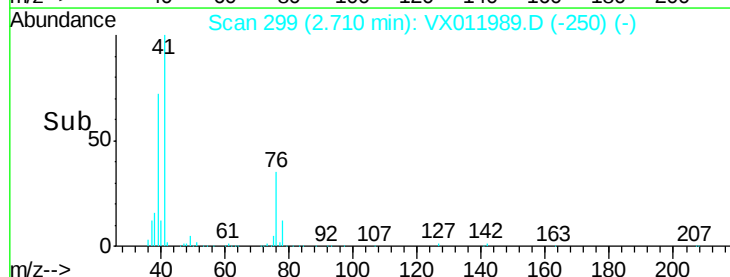
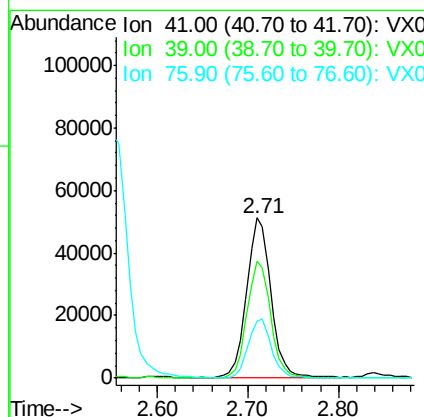
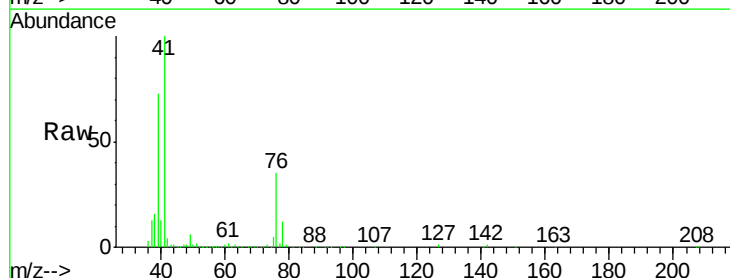
Tgt Ion: 41 Resp: 93863

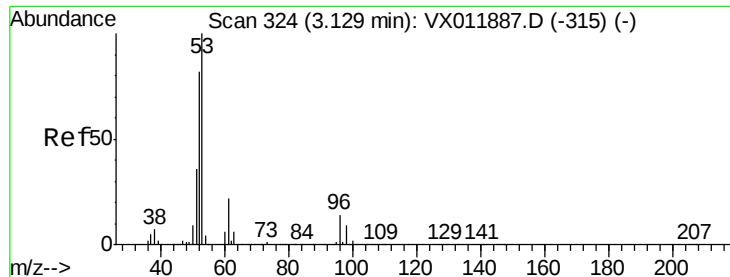
Ion Ratio Lower Upper

41 100

39 71.4 55.0 82.6

76 35.9 27.0 40.4





#15

Acrylonitrile

Concen: 76.087 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Instrument :

MSVOA_X

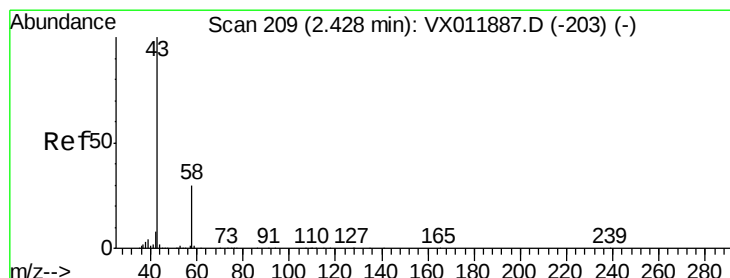
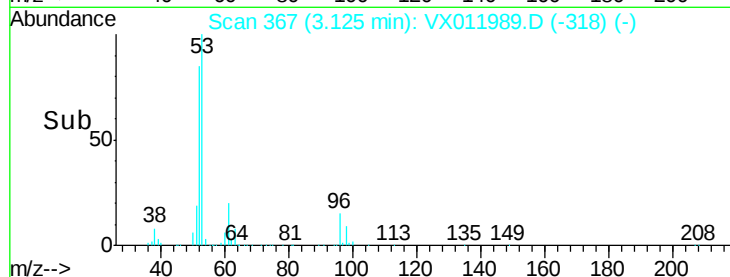
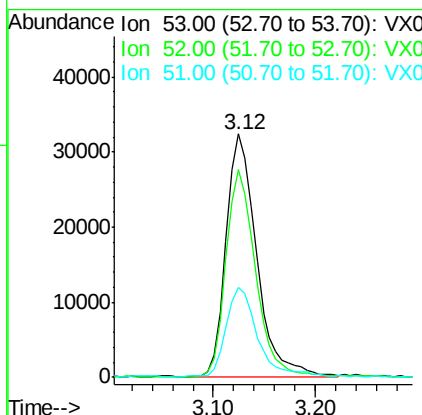
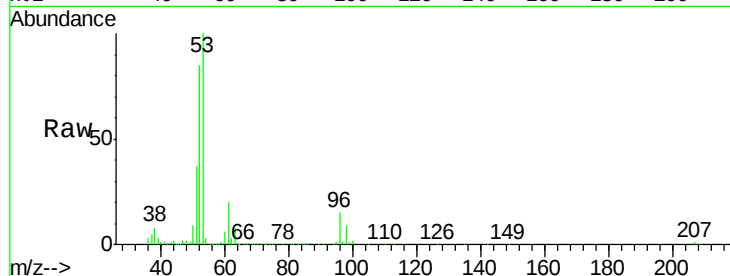
ClientSampleId :

VX0901SBS01

Tot Ion:	53	Resp:	67470
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.3	97.9
51	37.5	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 87.380 ug/l

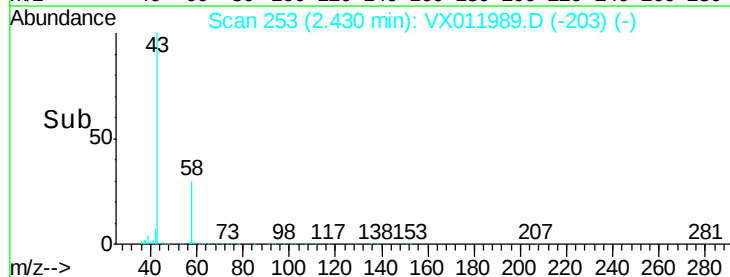
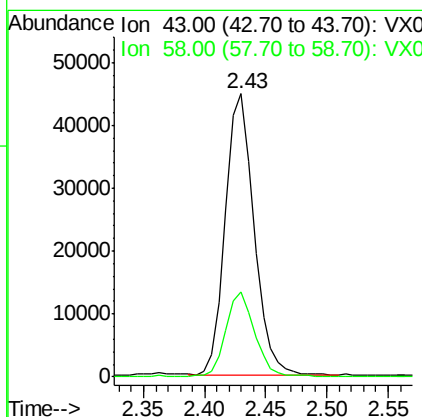
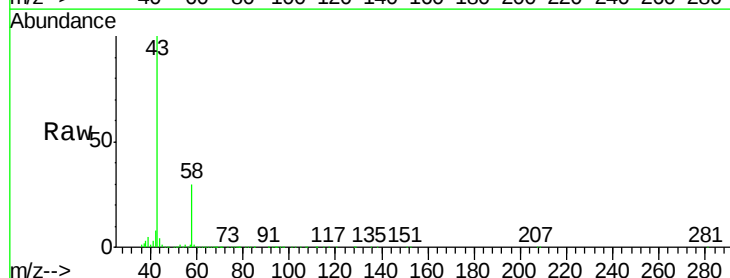
RT: 2.43 min Scan# 253

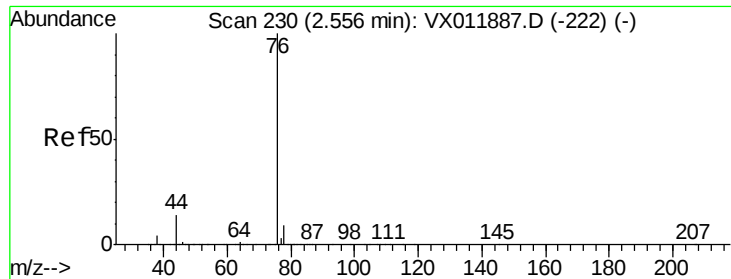
Delta R.T. 0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Tgt Ion:	43	Resp:	72924
Ion	Ratio	Lower	Upper
43	100		
58	30.1	23.8	35.8





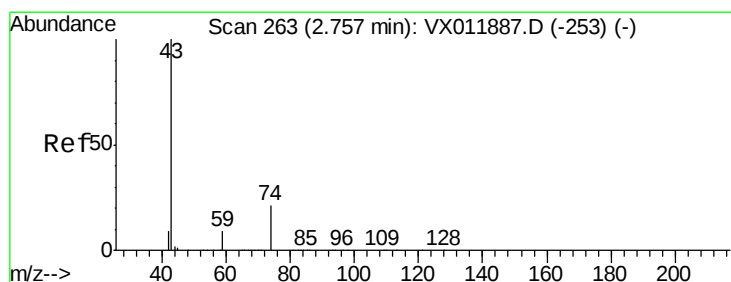
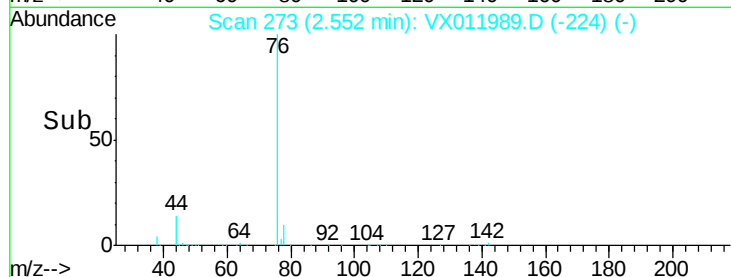
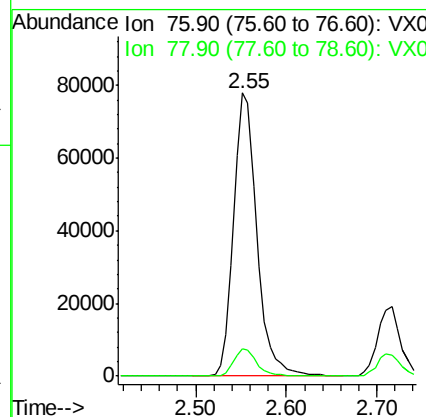
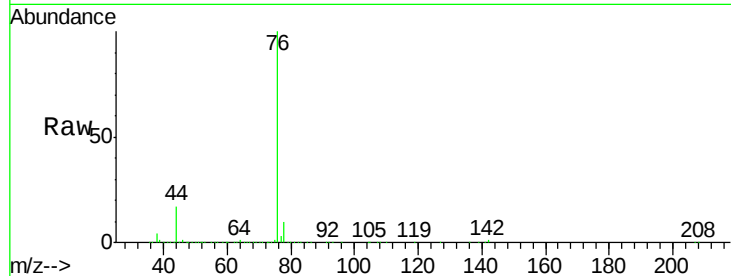
#17
Carbon Disulfide
Concen: 17.059 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.3	10.9

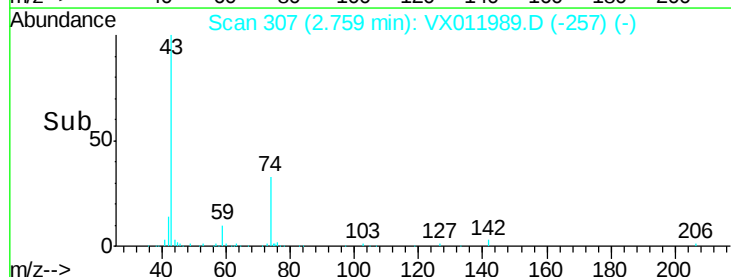
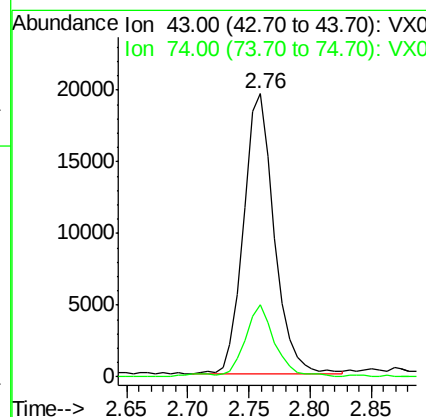
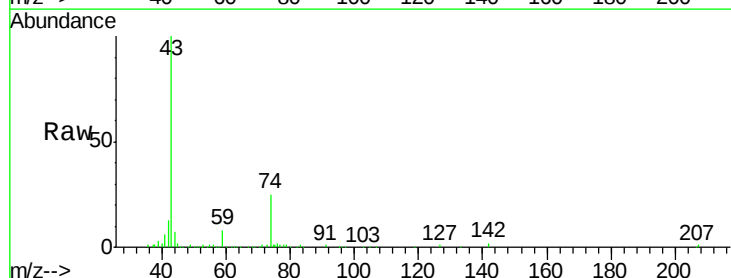
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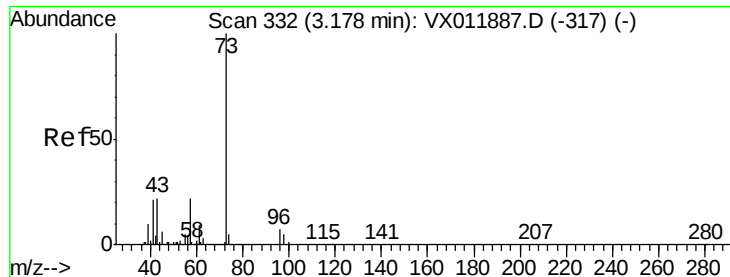
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#18
Methyl Acetate
Concen: 14.626 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	18.4	27.6





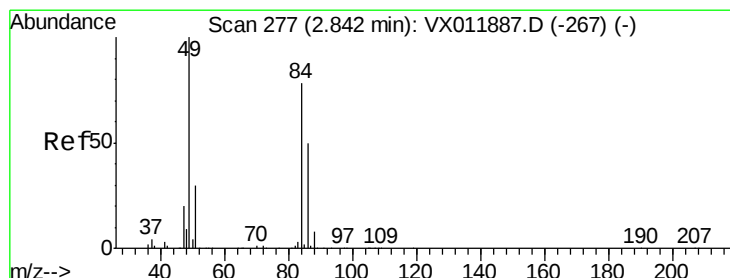
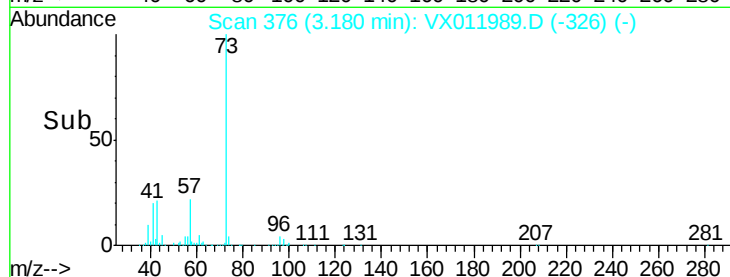
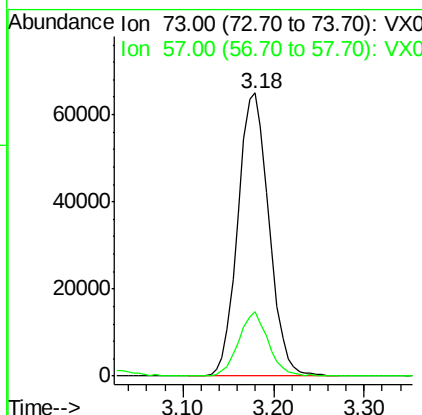
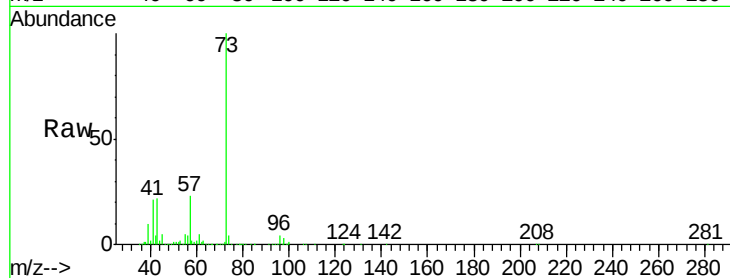
#19
Methvl tert-butvl Ether
Concen: 16.779 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.4	26.0

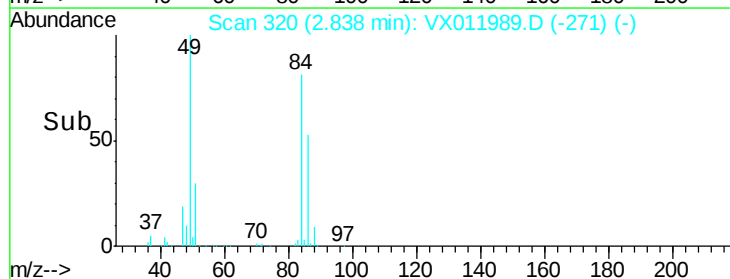
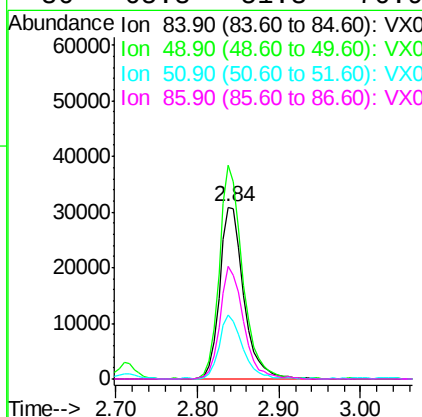
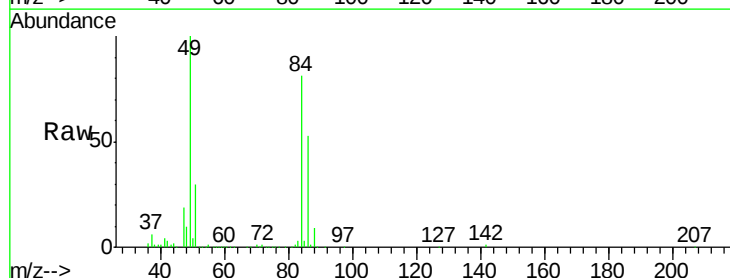
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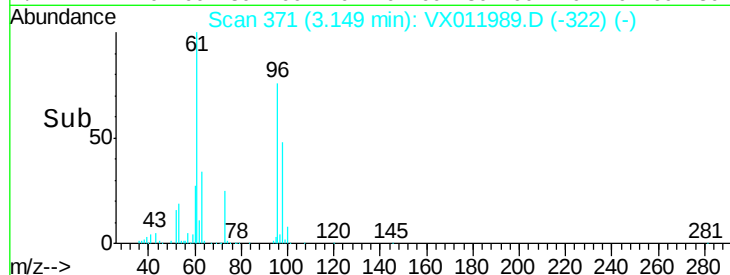
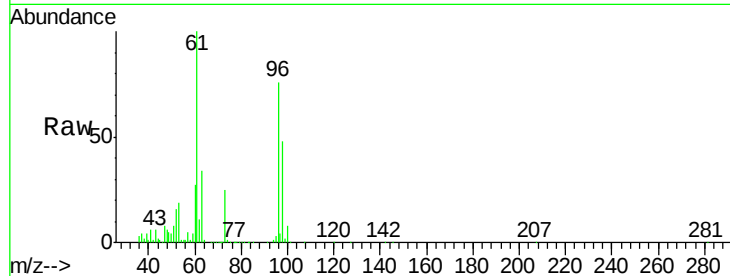
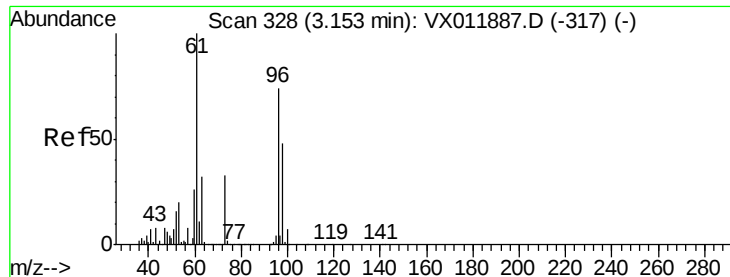
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#20
Methylene Chloride
Concen: 14.373 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.9	103.0	154.4
51	37.2	30.8	46.2
86	65.8	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 18.724 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX011989.D

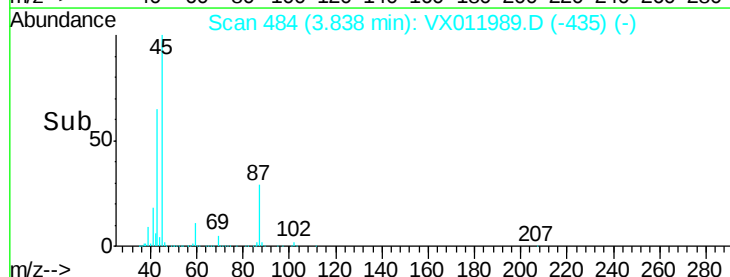
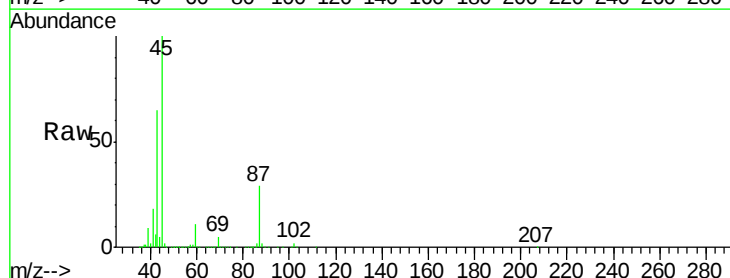
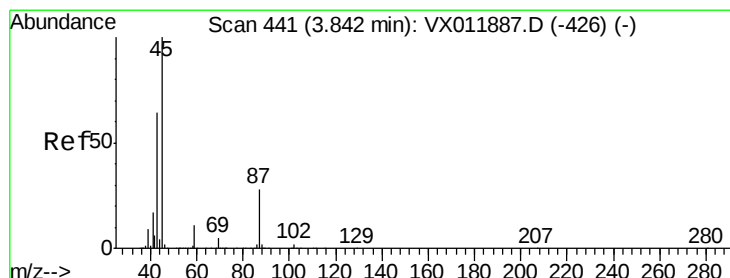
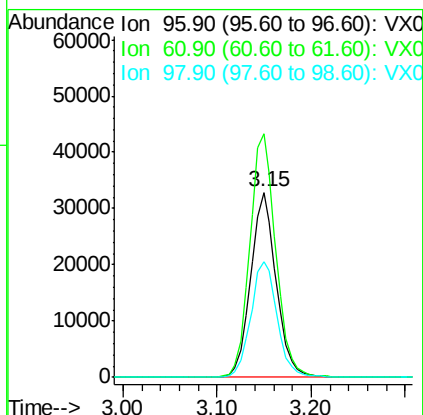
Acq: 01 Sep 2019 13:48

Tot Ion:	96	Resp:	62714
Ion	Ratio	Lower	Upper
96	100		
61	131.6	107.4	161.2
98	62.7	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBS01

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#22

Diisopropyl ether

Concen: 17.229 ug/l

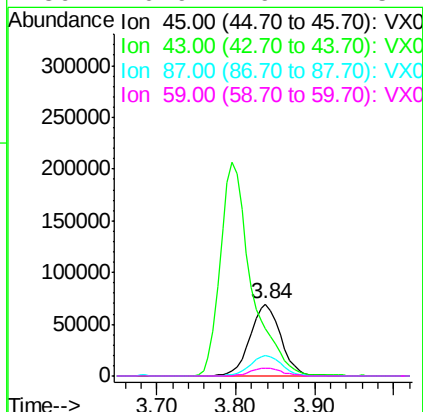
RT: 3.84 min Scan# 484

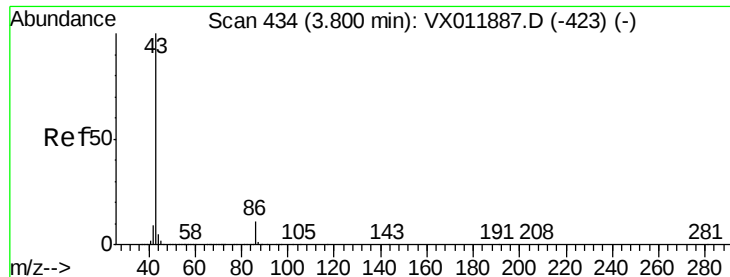
Delta R.T. -0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Tgt Ion:	45	Resp:	187606
Ion	Ratio	Lower	Upper
45	100		
43	65.0	51.0	76.6
87	29.4	22.0	33.0
59	10.9	9.1	13.7





#23

Vinyl Acetate

Concen: 81.082 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Instrument :

MSVOA_X

ClientSampleId :

VX0901SBS01

Tot Ion: 43 Resp: 567640

Ion Ratio Lower Upper

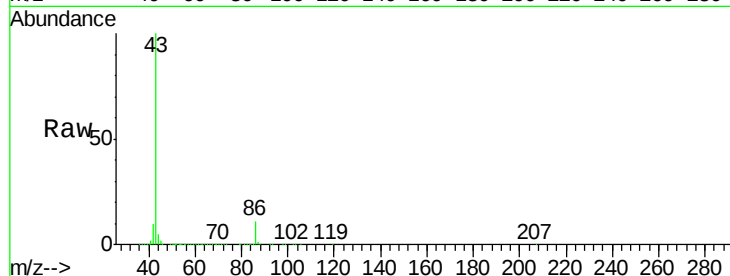
43 100

86 10.9 8.6 12.8

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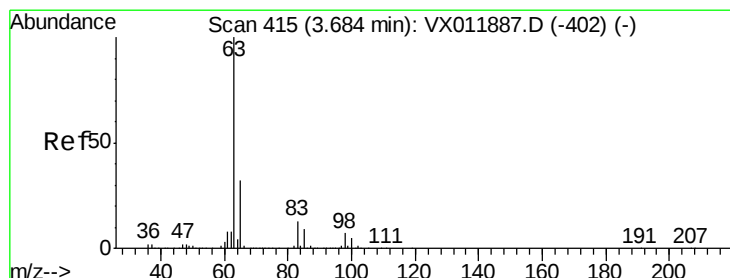
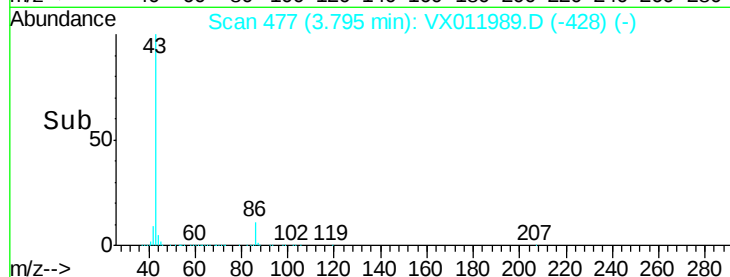
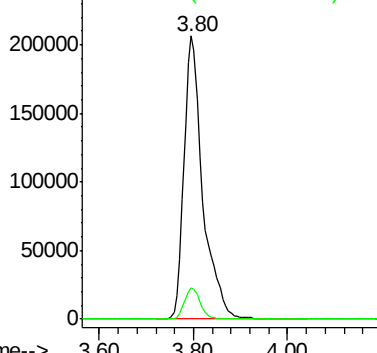
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.075 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

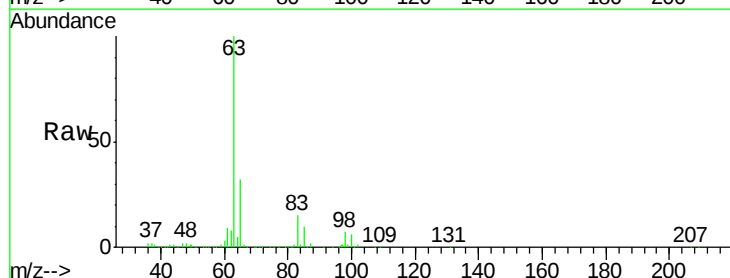
Tgt Ion: 63 Resp: 108534

Ion Ratio Lower Upper

63 100

98 6.9 3.8 11.2

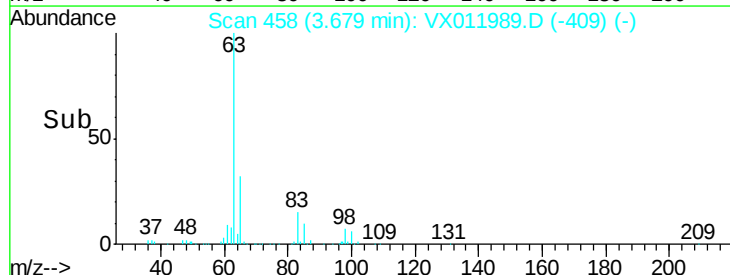
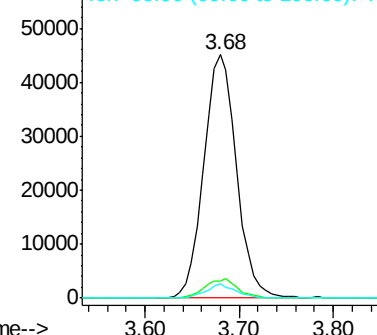
100 5.8 2.4 7.2

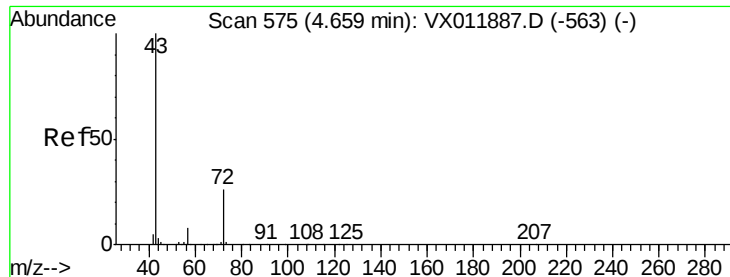


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 77.874 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Instrument :

MSVOA_X

ClientSampleId :

VX0901SBS01

Tot Ion: 43 Resp: 94657

Ion Ratio Lower Upper

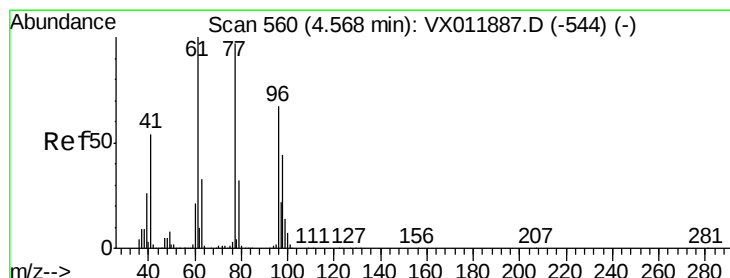
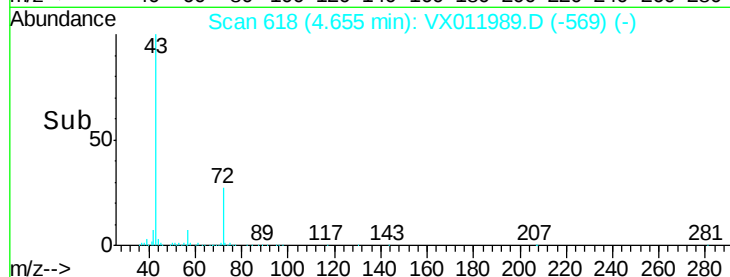
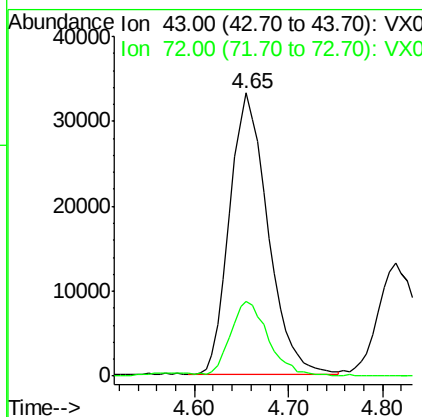
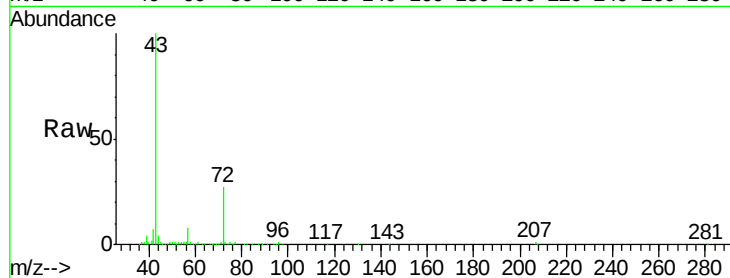
43 100

72 26.2 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 21.629 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX011989.D

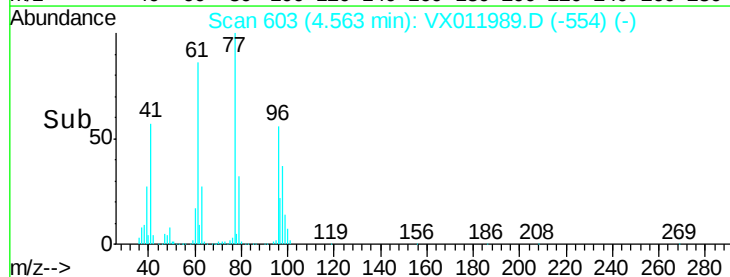
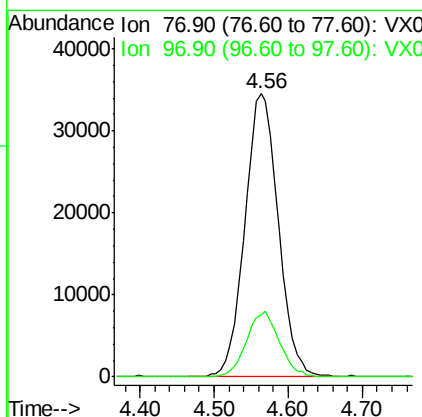
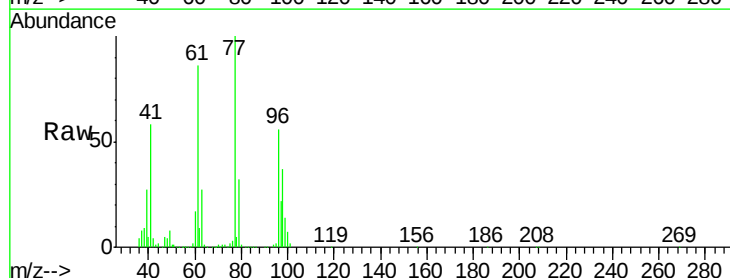
Acq: 01 Sep 2019 13:48

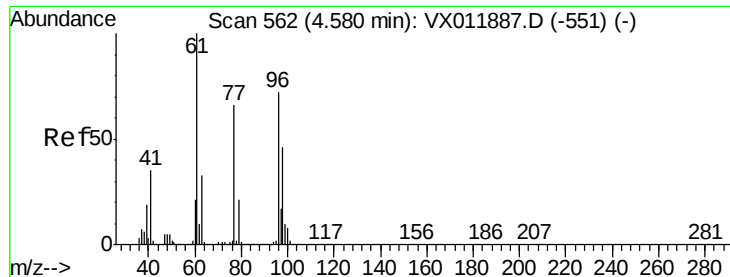
Tgt Ion: 77 Resp: 108931

Ion Ratio Lower Upper

77 100

97 22.9 11.7 35.1





#27

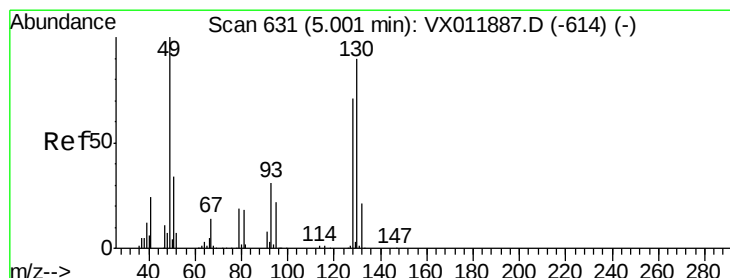
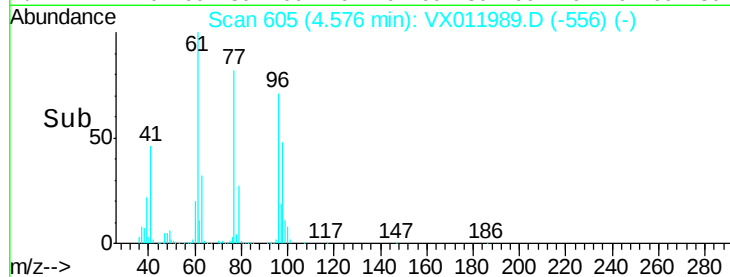
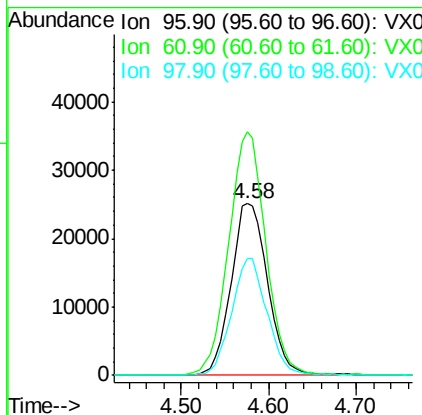
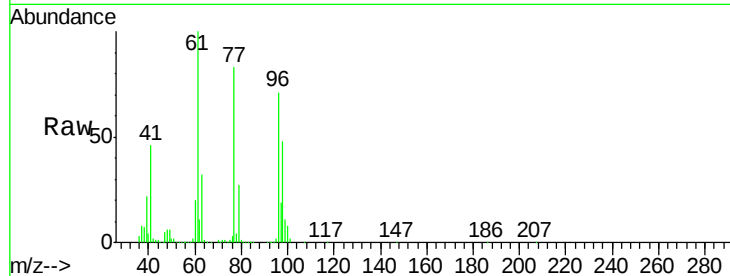
cis-1,2-Dichloroethene
Concen: 18.484 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	72925		
61	143.8		0.0	283.8
98	66.0		0.0	131.2

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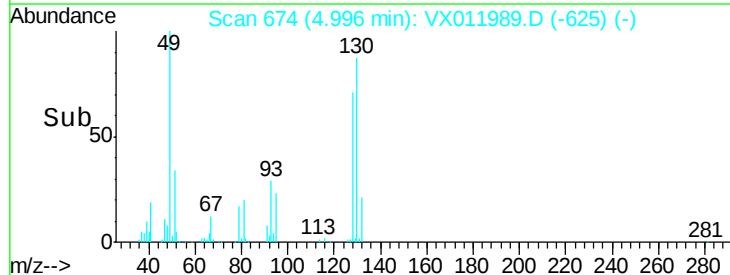
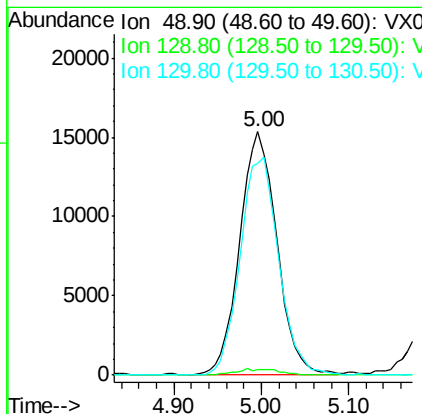
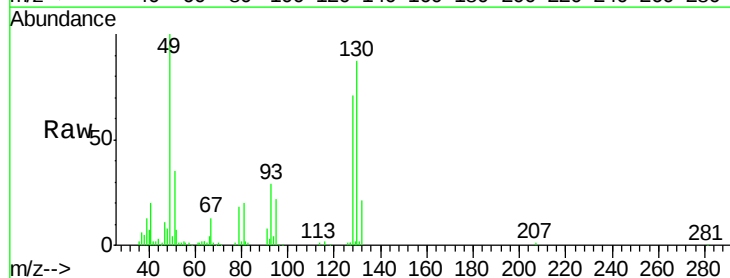
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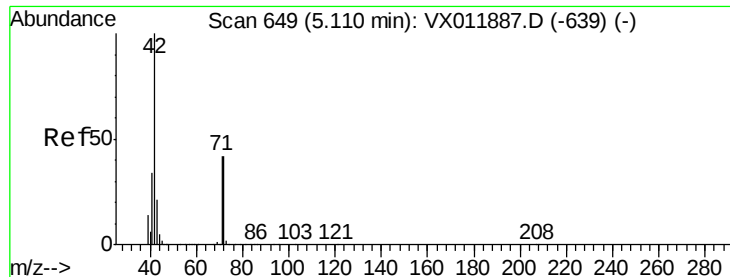


#28

Bromochloromethane
Concen: 16.939 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	45642		
129	1.2		0.0	4.8
130	92.5		70.6	105.8





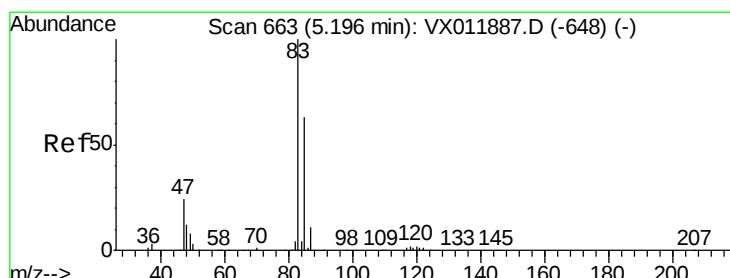
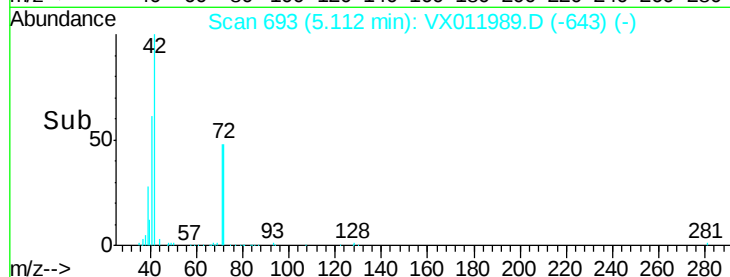
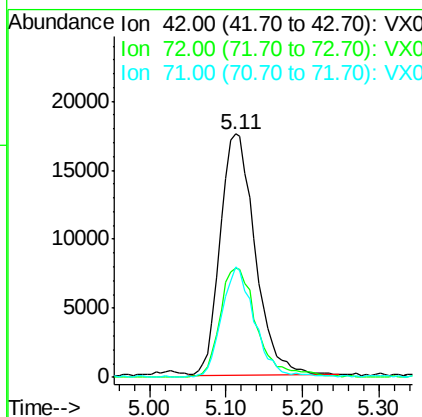
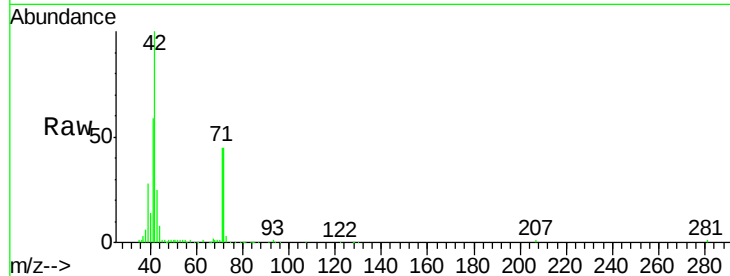
#29
Tetrahydrofuran
Concen: 72.609 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.0	36.2	54.4
71	43.9	33.1	49.7

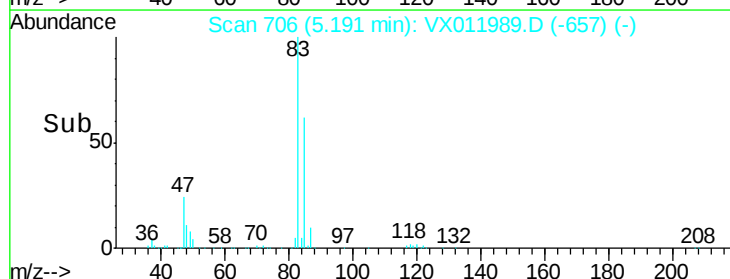
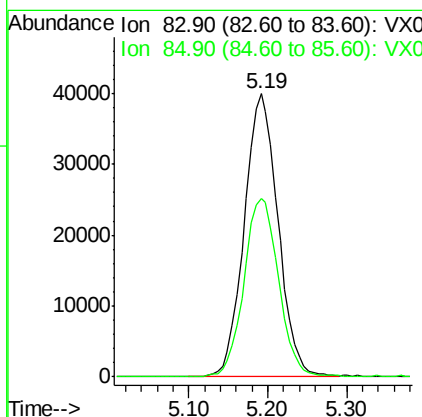
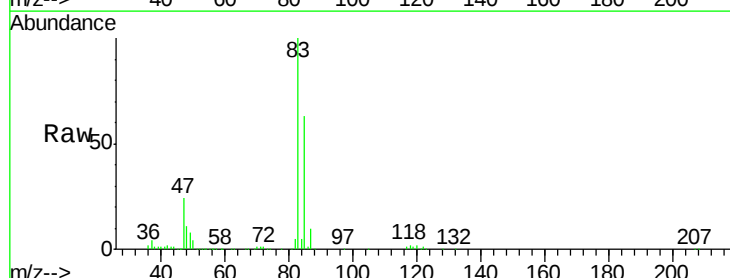
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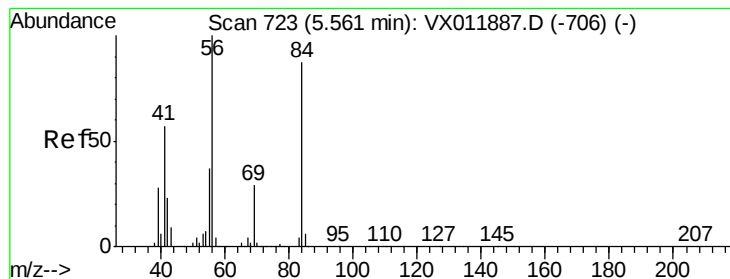
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#30
Chloroform
Concen: 18.526 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.6	75.8





#31

Cvclohexane

Concen: 19.612 ug/l

RT: 5.56 min Scan# 767

Delta R.T. 0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Instrument :

MSVOA_X

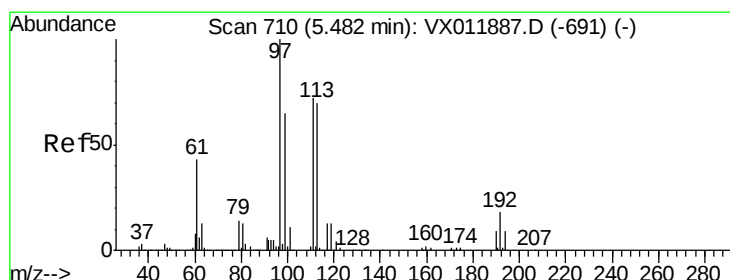
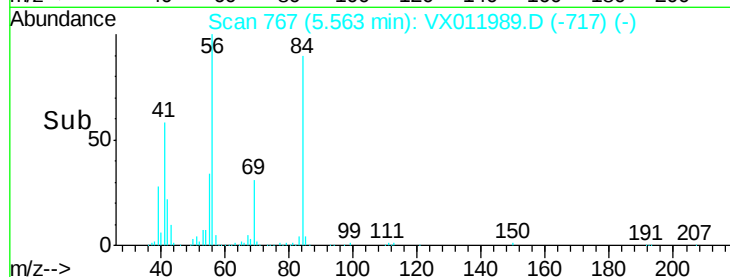
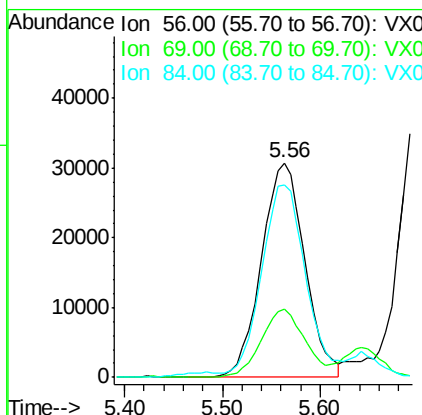
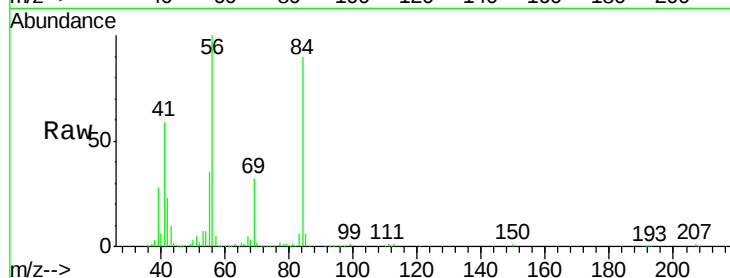
ClientSampleId :

VX0901SBS01

Tot Ion:	56	Resp:	94986
Ion	Ratio	Lower	Upper
56	100		
69	31.2	23.1	34.7
84	88.1	69.6	104.4

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#32

1,1,1-Trichloroethane

Concen: 19.775 ug/l

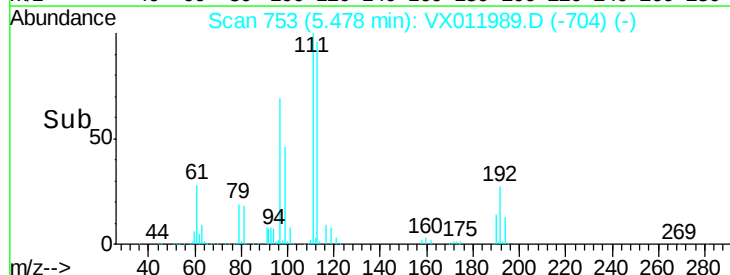
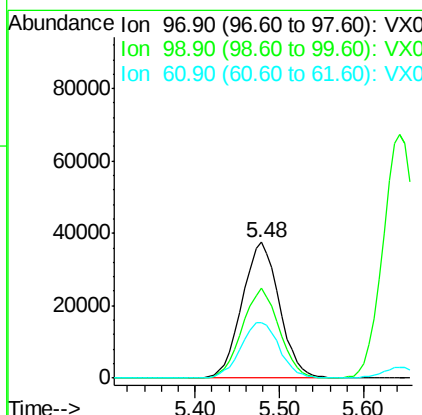
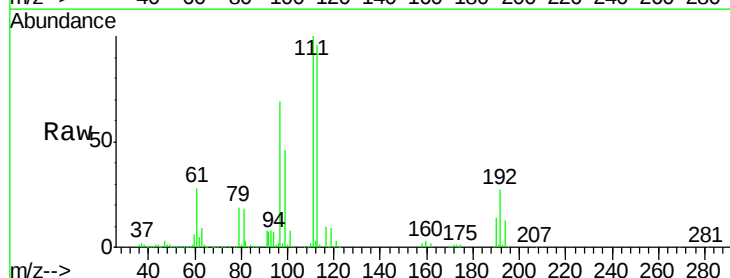
RT: 5.48 min Scan# 753

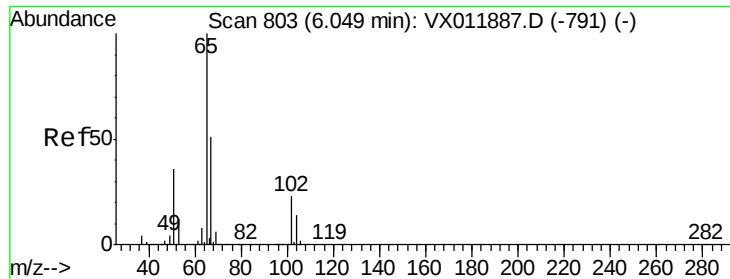
Delta R.T. -0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Tgt Ion:	97	Resp:	112782
Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.8	77.8
61	42.7	33.8	50.6





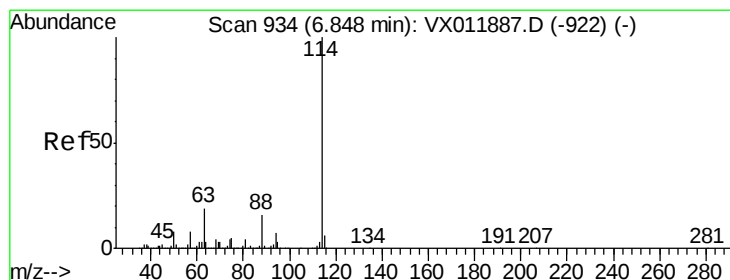
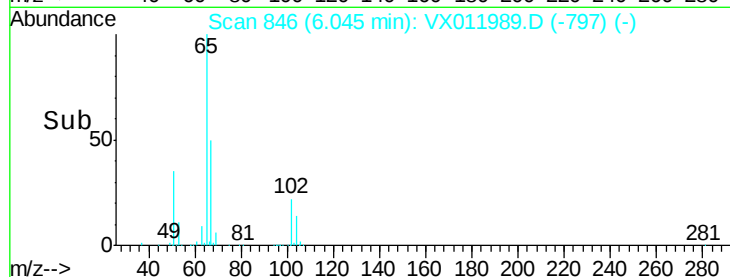
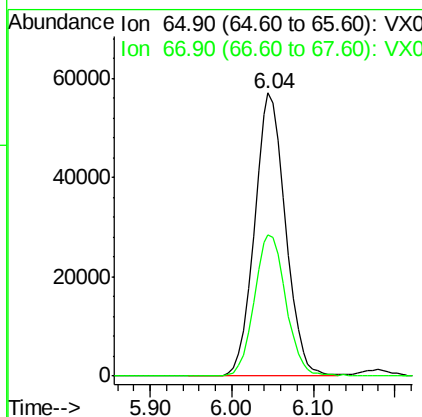
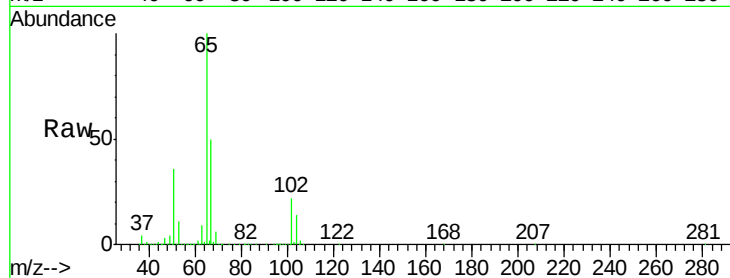
#33
 1,2-Dichloroethane-d4
 Concen: 38.868 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: VX011989.D
 Acq: 01 Sep 2019 13:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0901SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	150764		
67	50.4	0.0	102.2	

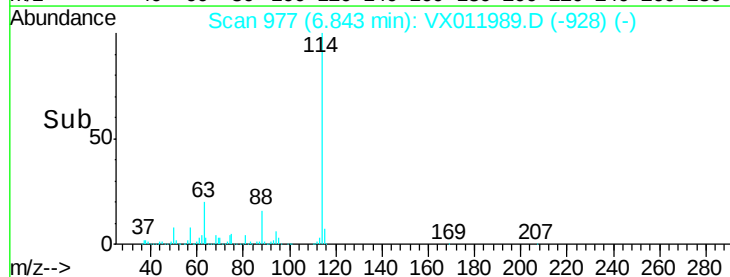
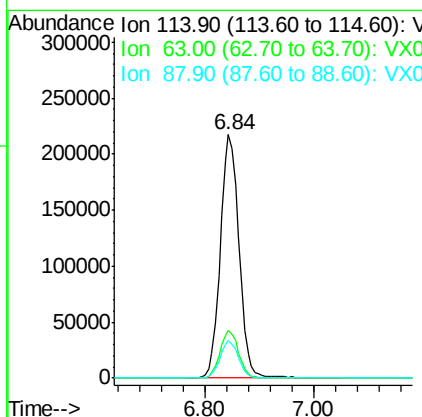
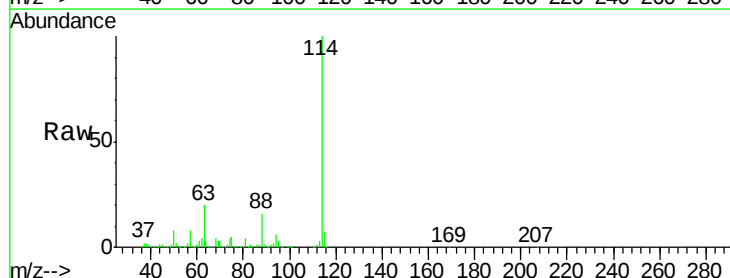
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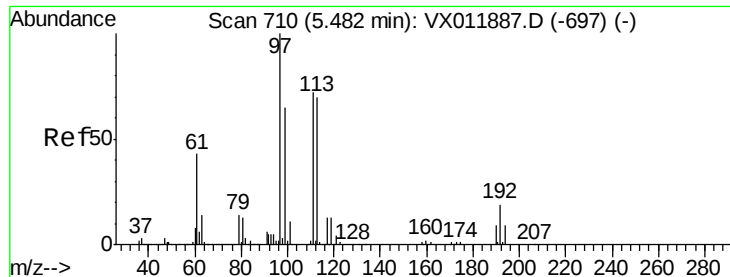
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VX011989.D
 Acq: 01 Sep 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	518156		
63	19.7	0.0	38.8	
88	15.6	0.0	31.2	





#35

Dibromofluoromethane

Concen: 44.660 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Instrument :

MSVOA_X

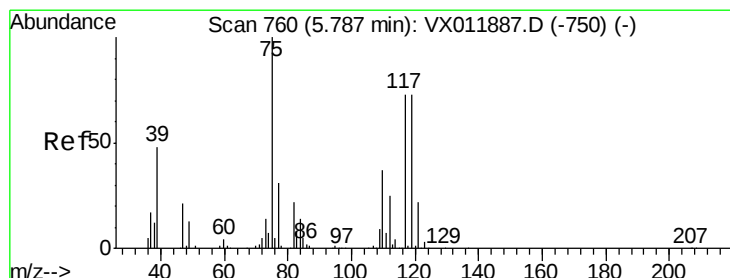
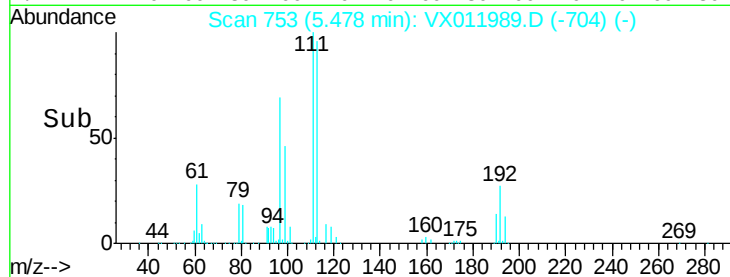
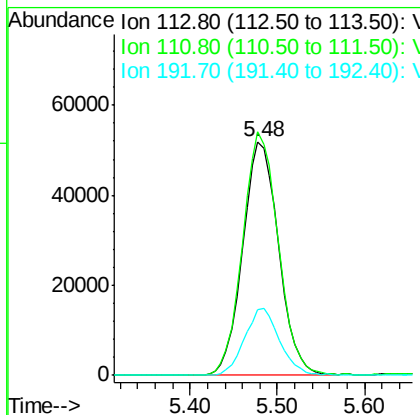
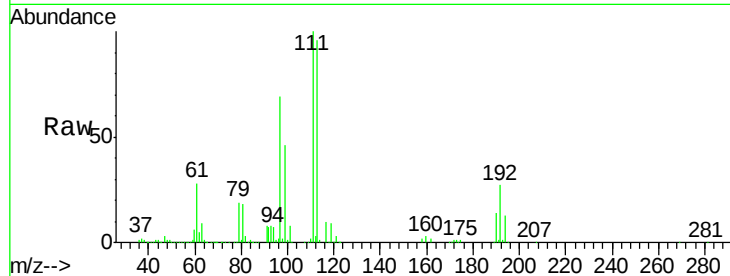
ClientSampleId :

VX0901SBS01

Tot Ion:	113	Resp:	148388
Ion Ratio	Lower	Upper	
113	100		
111	103.6	82.1	123.1
192	28.0	21.5	32.3

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#36

1,1-Dichloropropene

Concen: 20.914 ug/l

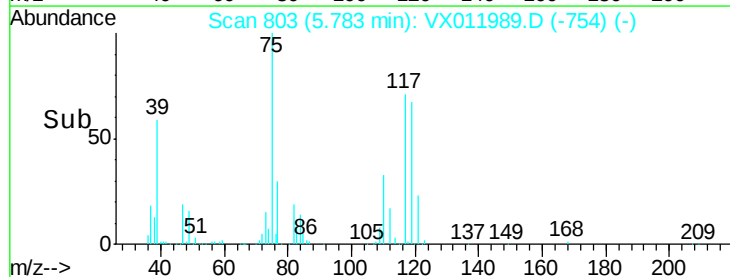
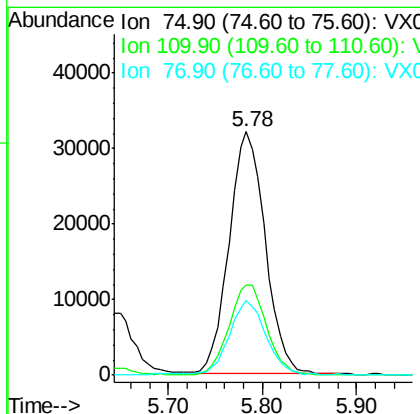
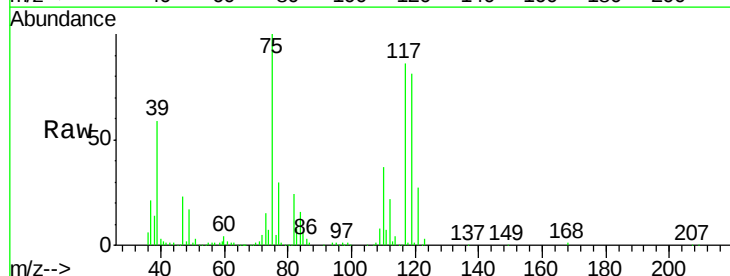
RT: 5.78 min Scan# 803

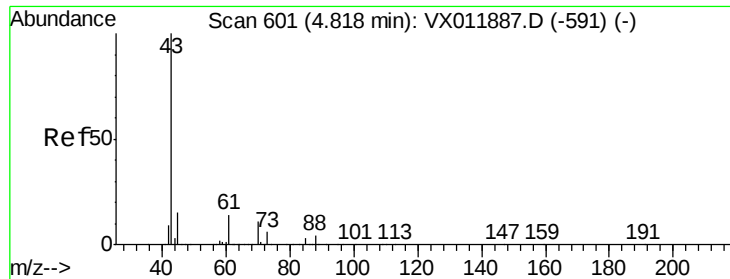
Delta R.T. -0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Tgt Ion:	75	Resp:	85851
Ion Ratio	Lower	Upper	
75	100		
110	39.0	19.1	57.3
77	30.1	24.4	36.6





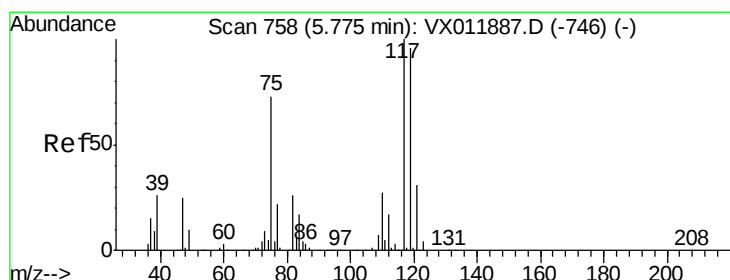
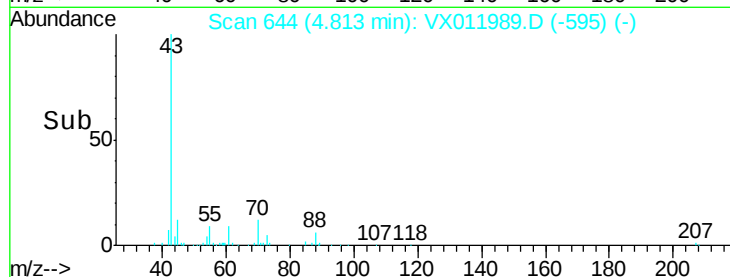
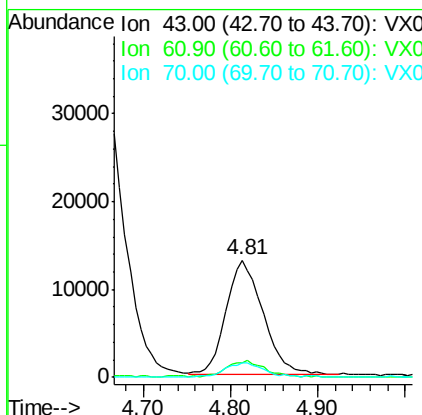
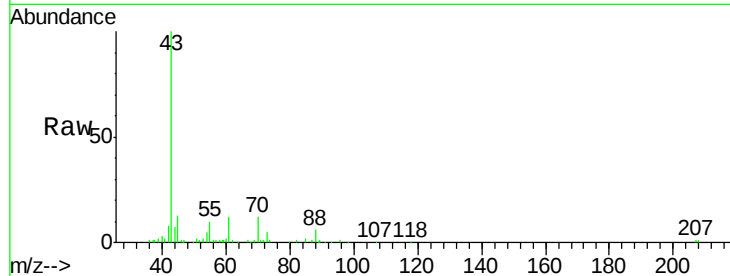
#37
Ethyl Acetate
Concen: 15.779 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.0	16.4
70	13.1	9.2	13.8

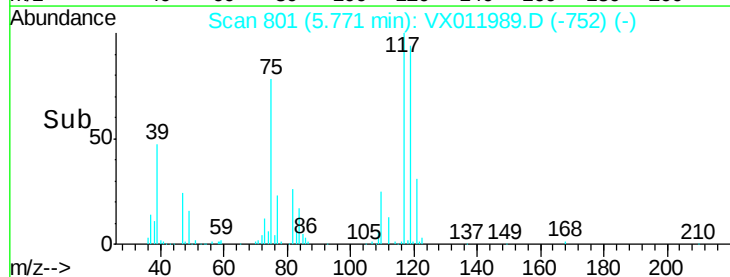
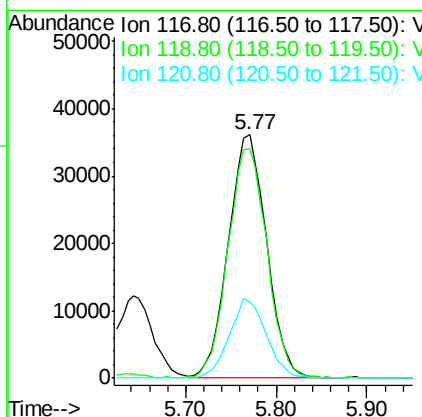
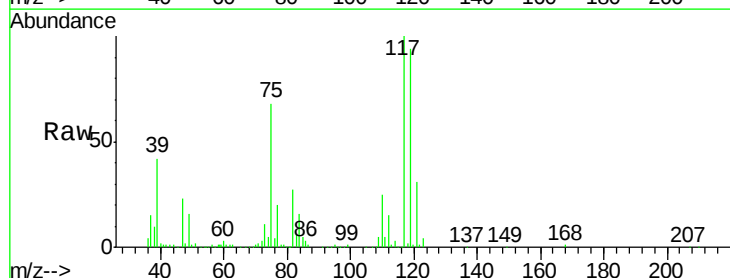
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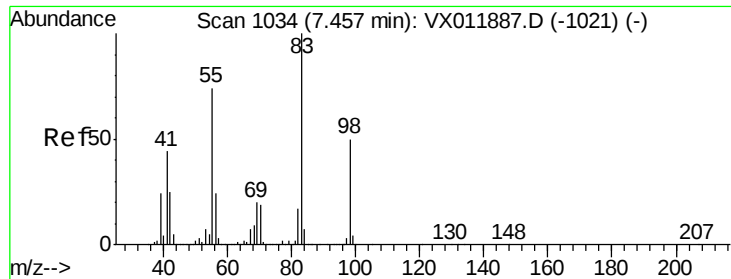
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#38
Carbon Tetrachloride
Concen: 22.133 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.6	114.8
121	31.0	24.7	37.1





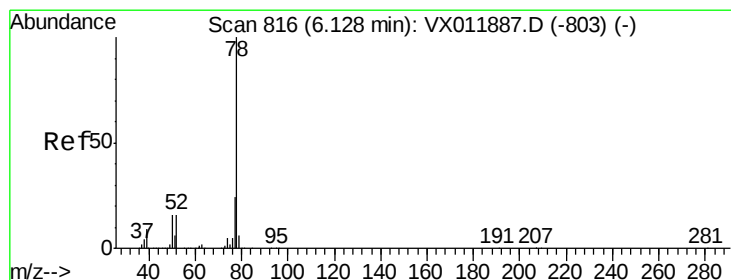
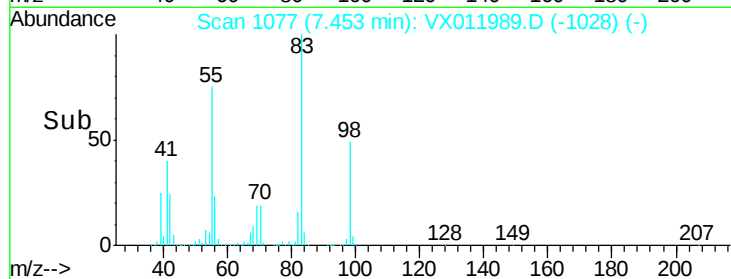
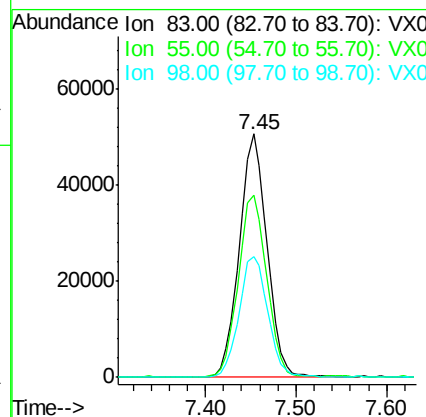
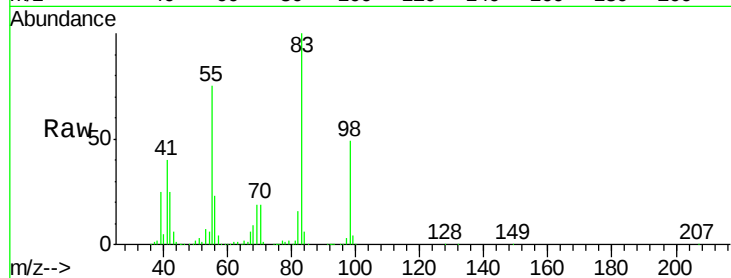
#39
Methvlcvclohexane
Concen: 21.941 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	107282		
55	74.7		59.4	89.0
98	49.4		40.3	60.5

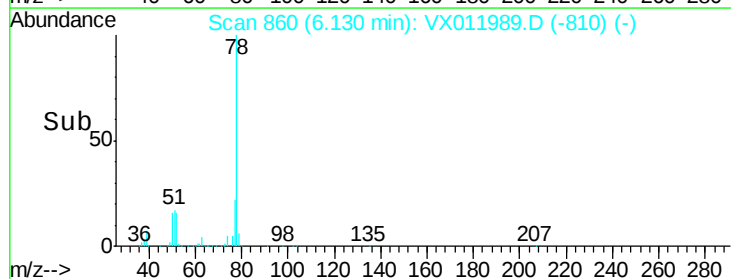
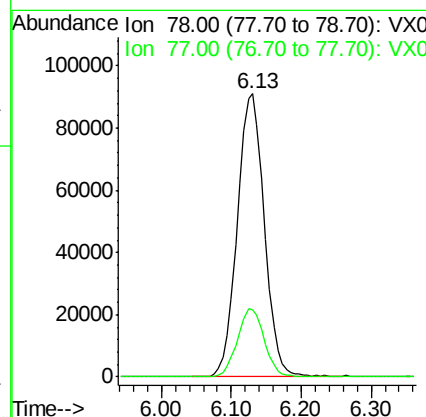
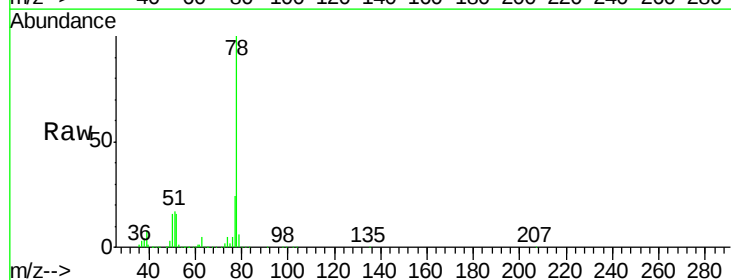
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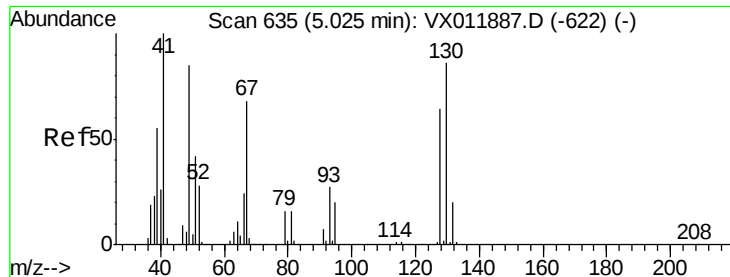
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#40
Benzene
Concen: 19.959 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	244561		
77	23.4		19.0	28.6





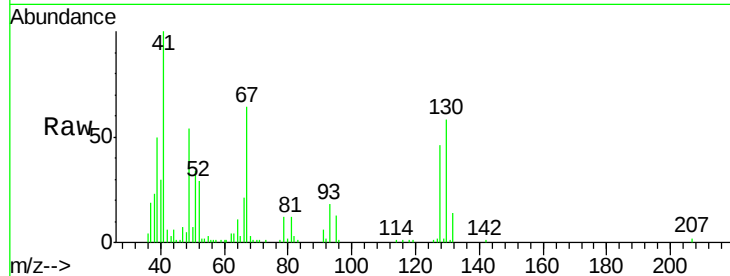
#41
Methacrylonitrile
Concen: 16.888 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBS01

Tot Ion	Ion	Ratio	Lower	Upper
24162	41	100		
	39	57.3	45.0	67.6
	67	71.9	55.0	82.4
	52	33.5	24.1	36.1

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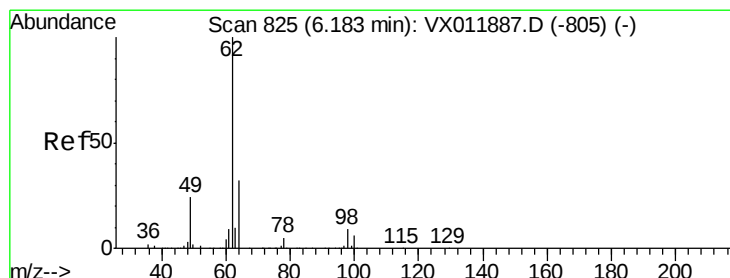
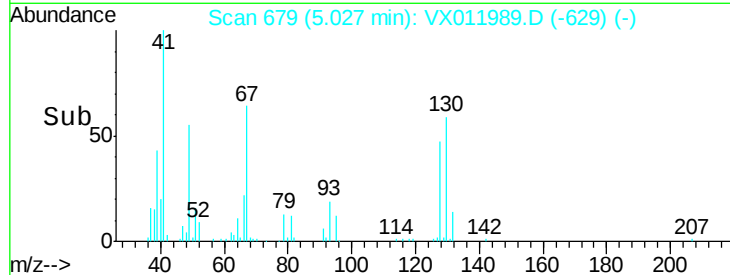
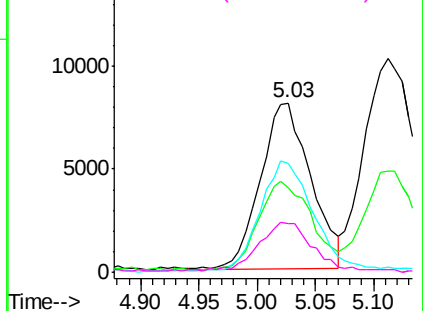
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

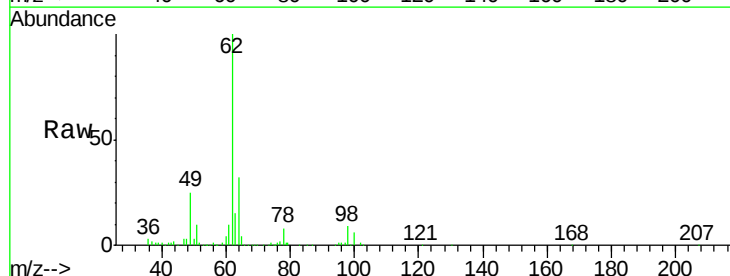
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 19.316 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

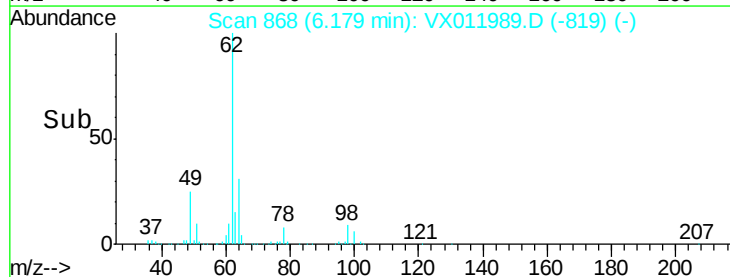
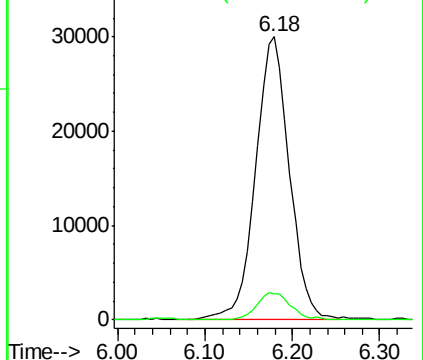
Tgt Ion	Ion	Ratio	Lower	Upper
80491	62	100		
	98	9.7	0.0	19.2

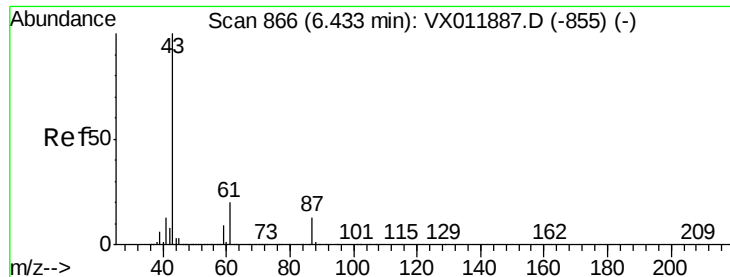


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 16.380 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Instrument :

MSVOA_X

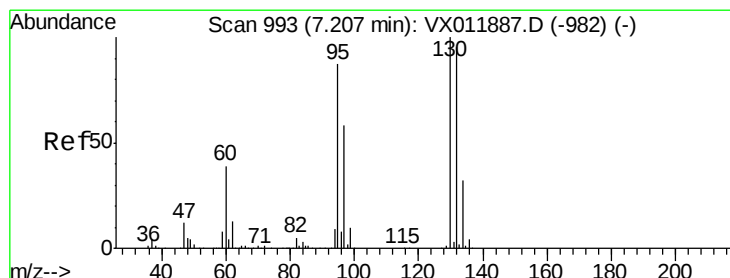
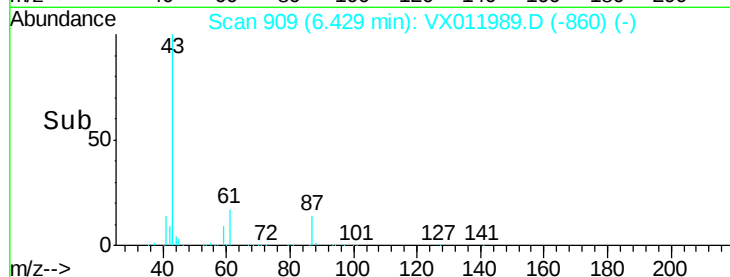
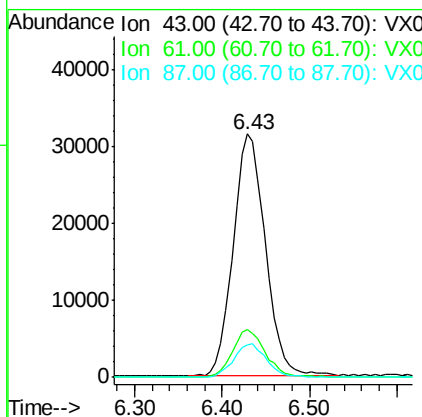
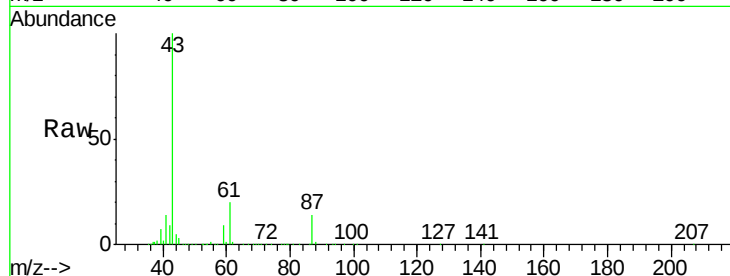
ClientSampleId :

VX0901SBS01

Tot Ion:	43	Resp:	80698
Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.1	24.1
87	14.3	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 21.083 ug/l

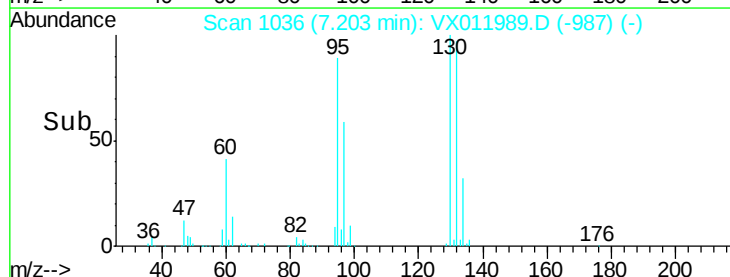
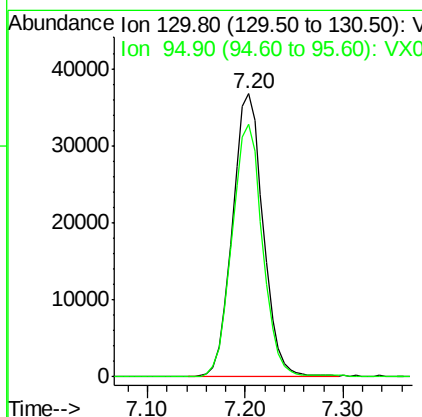
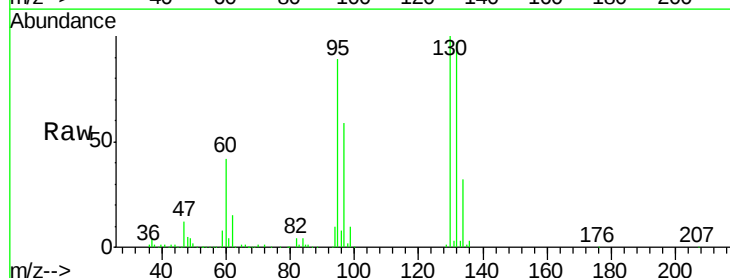
RT: 7.20 min Scan# 1036

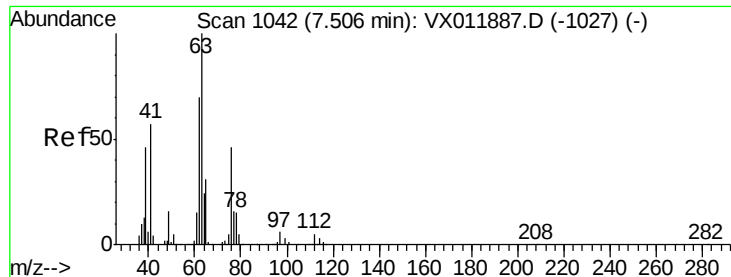
Delta R.T. -0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Tgt Ion:	130	Resp:	79932
Ion	Ratio	Lower	Upper
130	100		
95	89.4	0.0	174.6





#45

1,2-Dichloropropane

Concen: 19.106 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Instrument :

MSVOA_X

ClientSampleId :

VX0901SBS01

Tot Ion: 63 Resp: 61237

Ion Ratio Lower Upper

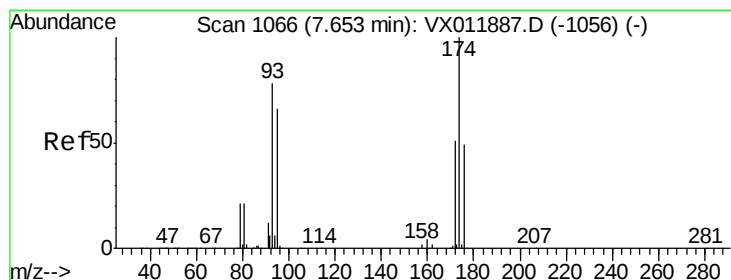
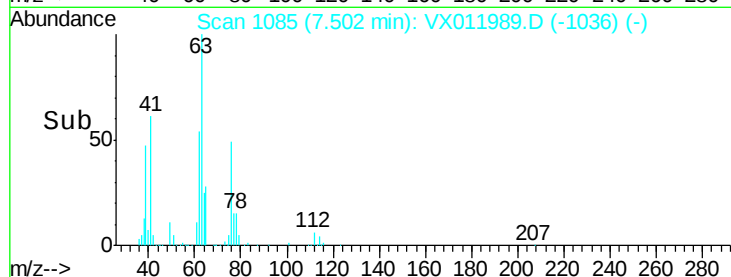
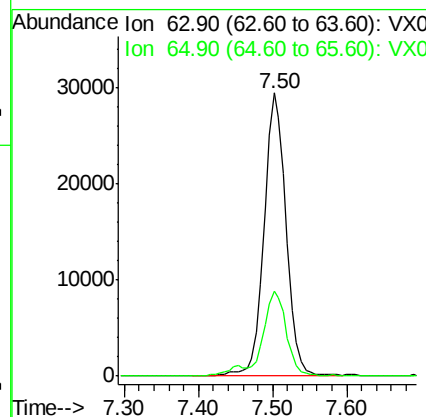
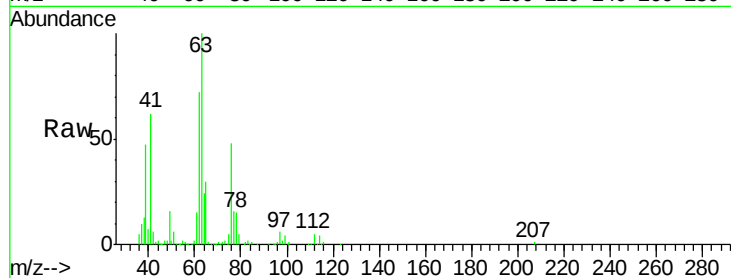
63 100

65 29.6 25.1 37.7

Manual Integrations
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#46

Dibromomethane

Concen: 18.427 ug/l

RT: 7.65 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

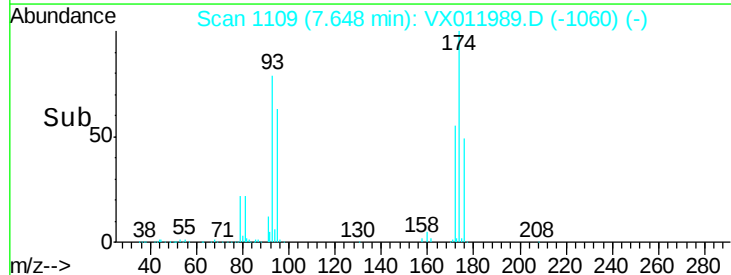
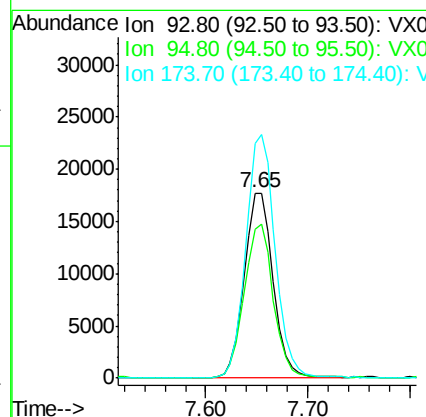
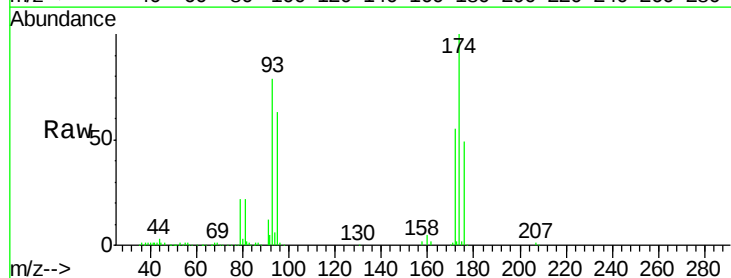
Tgt Ion: 93 Resp: 35051

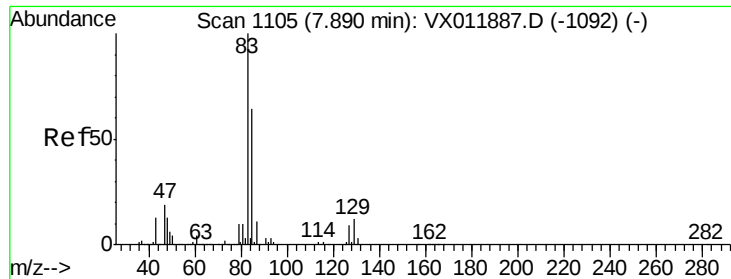
Ion Ratio Lower Upper

93 100

95 84.1 65.7 98.5

174 133.2 104.2 156.4





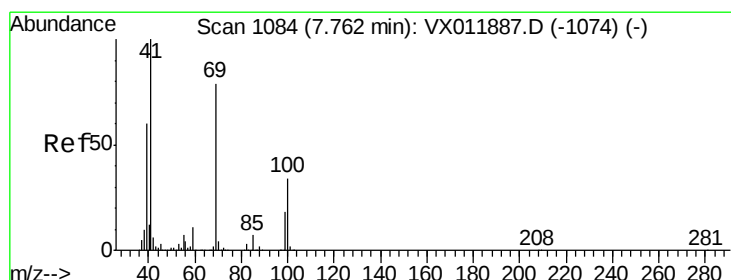
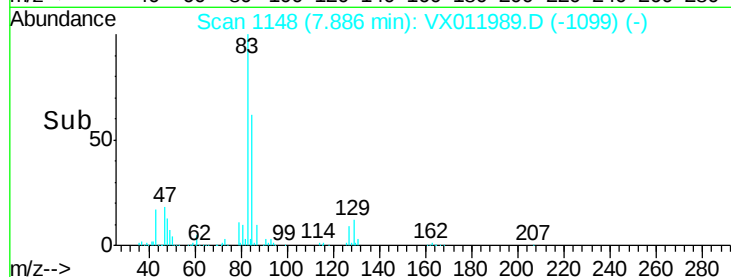
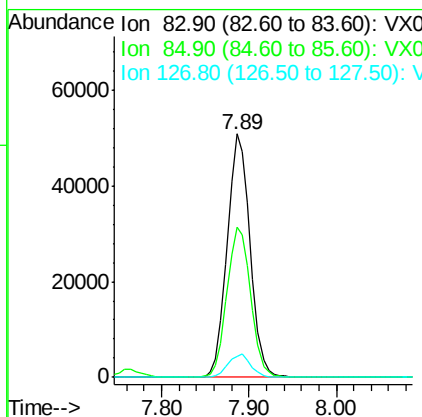
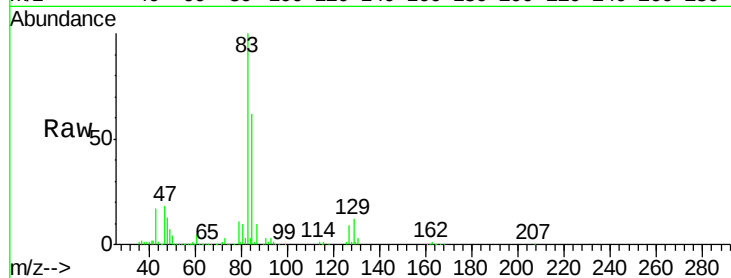
#47
Bromodichloromethane
Concen: 19.750 ug/l
RT: 7.89 min Scan# 1148
Delta R.T. -0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.1	76.7
127	8.8	7.4	11.2

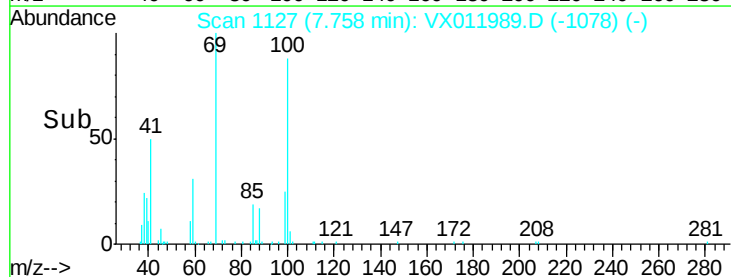
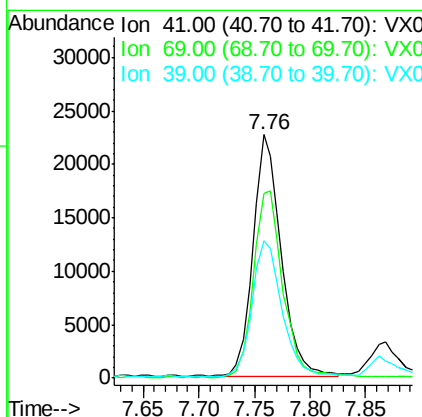
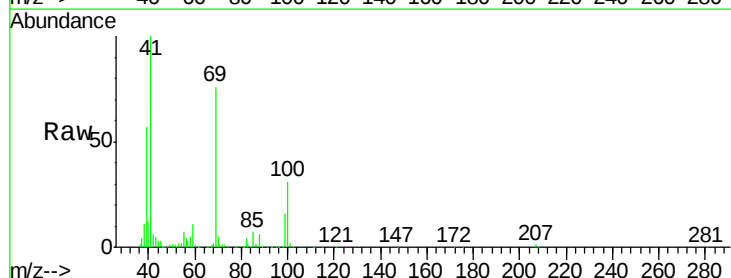
Manual Integrations
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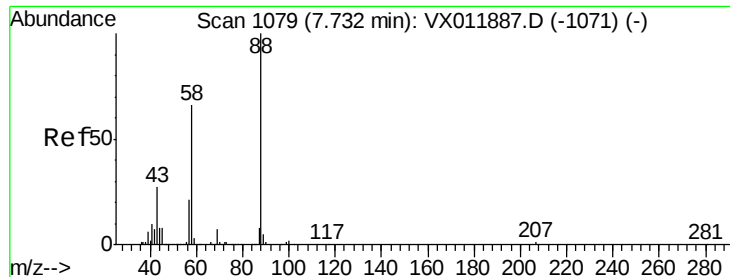
MMDadoda
9/5/2019 2:04:52 AM



#48
Methyl methacrylate
Concen: 16.775 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Tgt Ion	Ratio	Lower	Upper
41	100		
69	79.9	64.4	96.6
39	59.7	47.2	70.8





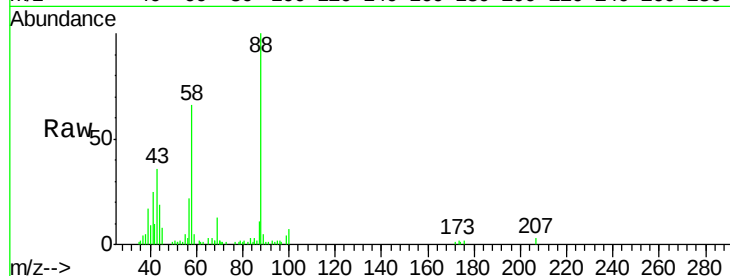
#49
1,4-Dioxane
Concen: 328.581 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.3	27.3	40.9
58	68.6	53.9	80.9

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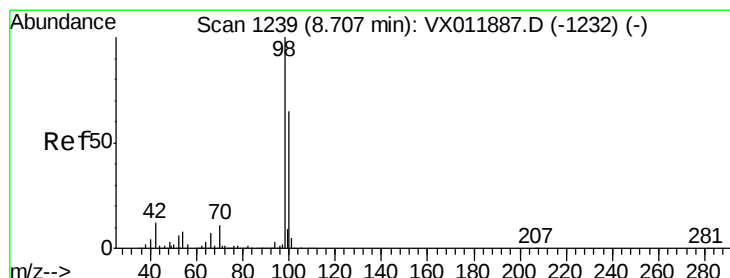
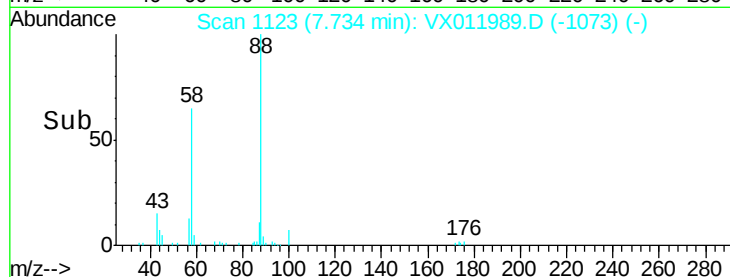
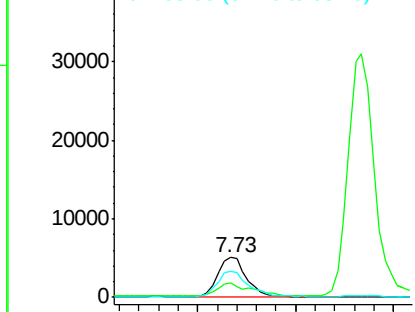


Abundance

Ion 88.00 (87.70 to 88.70): VX0

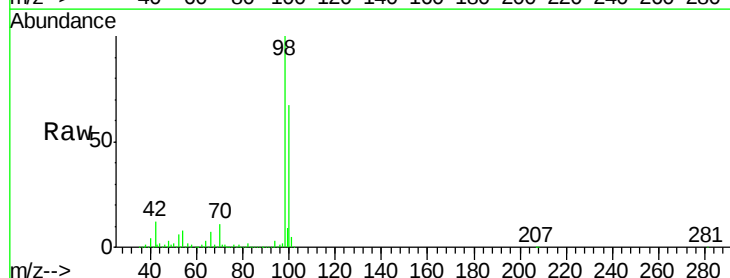
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 45.887 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

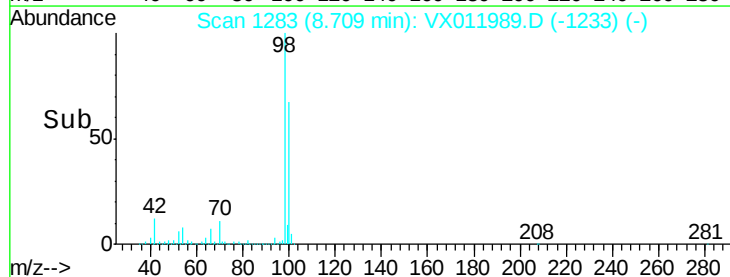
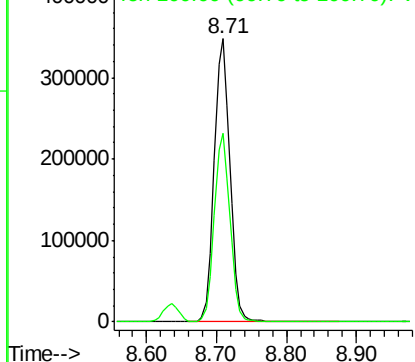
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.0	79.6

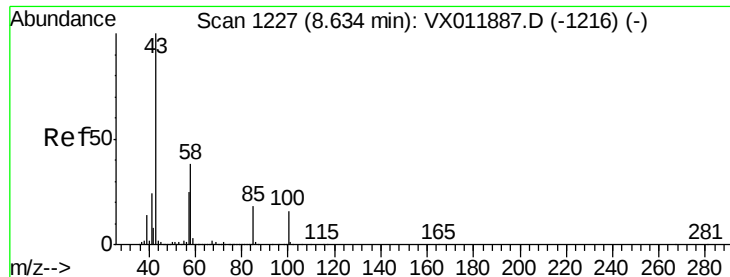


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 80.727 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Instrument :

MSVOA_X

ClientSampleId :

VX0901SBS01

Tot Ion: 43 Resp: 202040

Ion Ratio Lower Upper

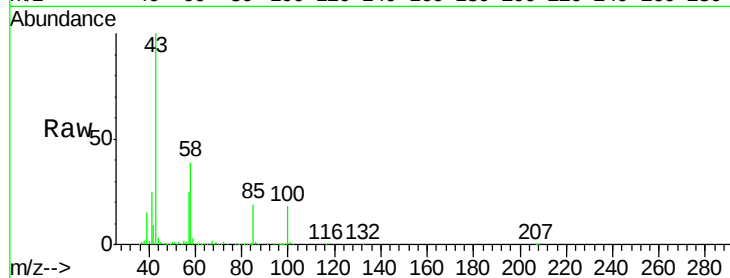
43 100

58 38.8 30.9 46.3

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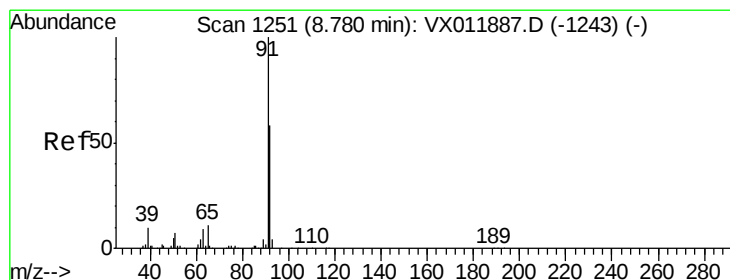
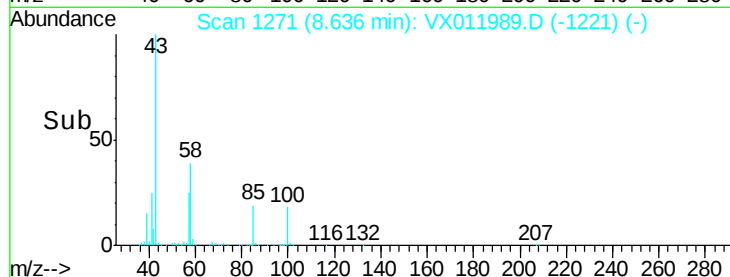
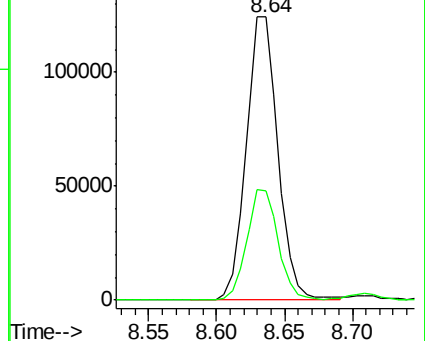
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.194 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX011989.D

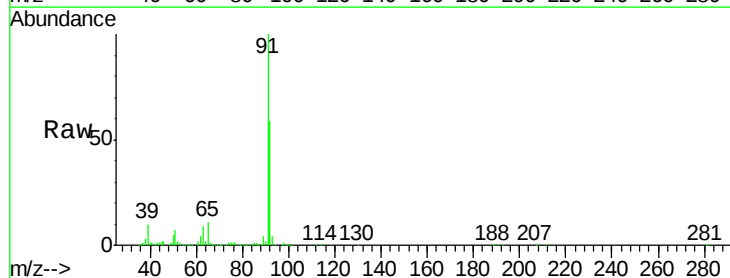
Acq: 01 Sep 2019 13:48

Tgt Ion: 92 Resp: 163704

Ion Ratio Lower Upper

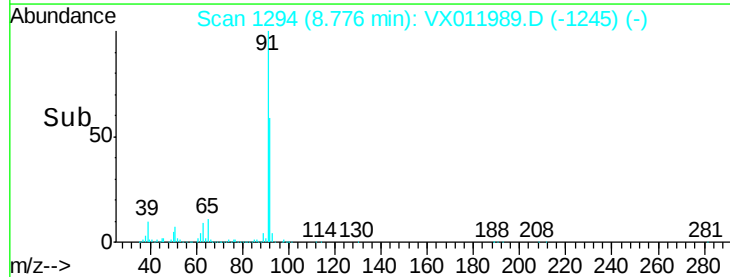
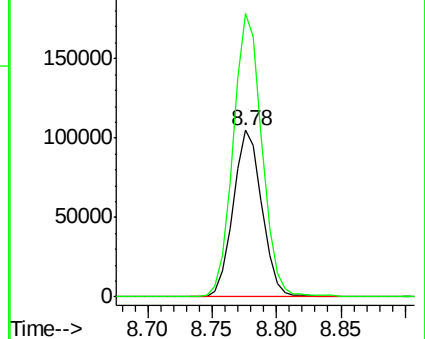
92 100

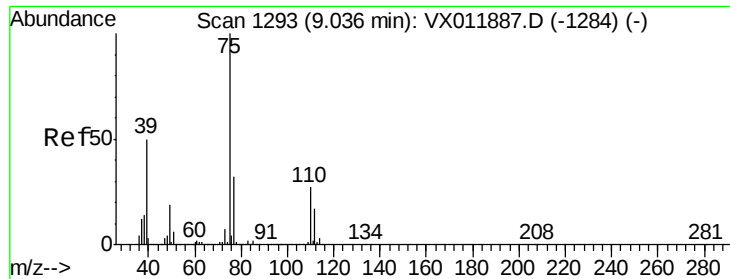
91 170.4 136.8 205.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 18.701 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Instrument :

MSVOA_X

ClientSampleId :

VX0901SBS01

Tot Ion: 75 Resp: 90359

Ion Ratio Lower Upper

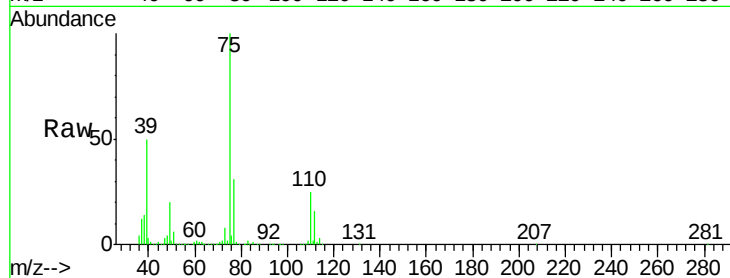
75 100

77 30.6 25.6 38.4

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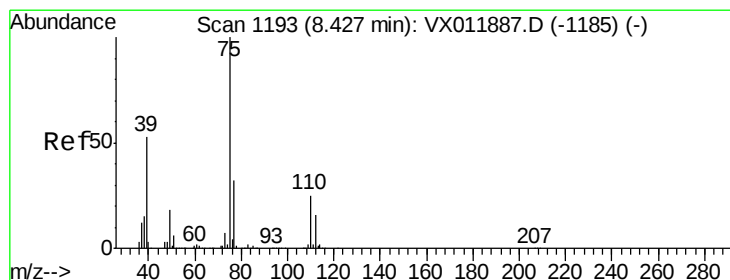
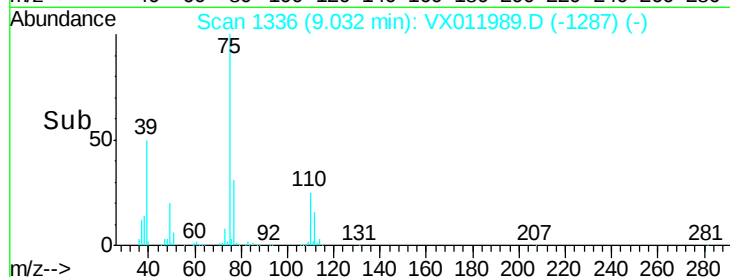
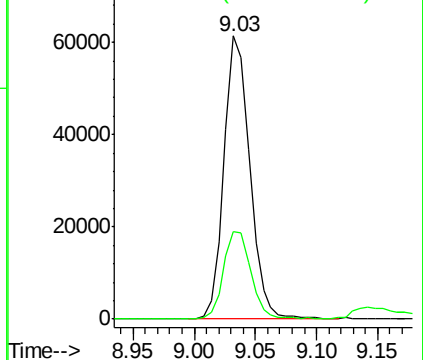
MMDadoda

9/5/2019 2:04:52 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 19.275 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

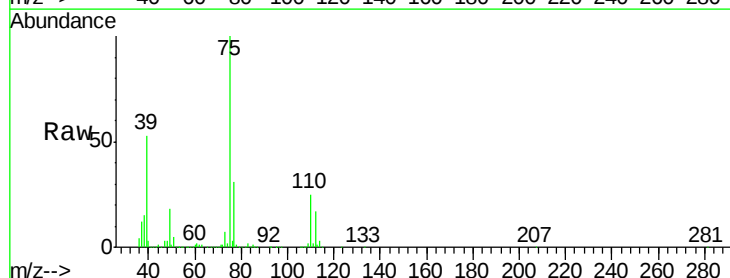
Tgt Ion: 75 Resp: 104546

Ion Ratio Lower Upper

75 100

77 30.8 25.5 38.3

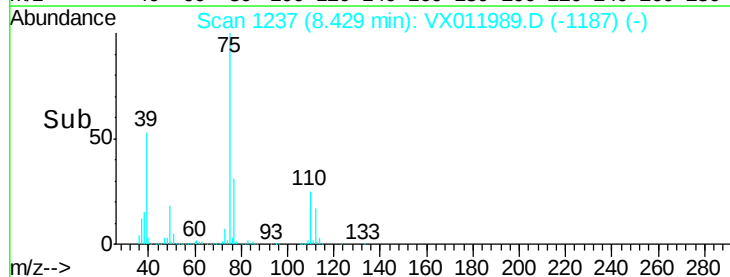
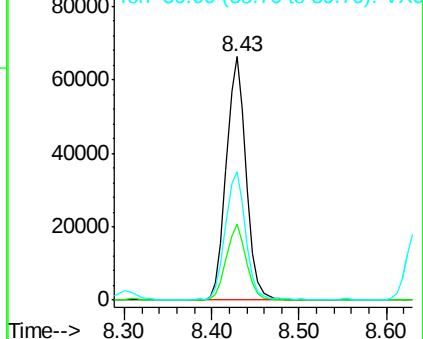
39 52.7 42.6 64.0

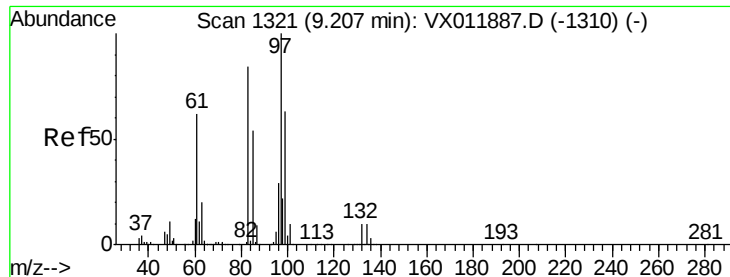


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





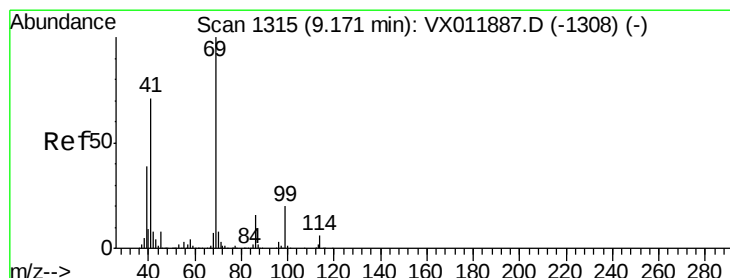
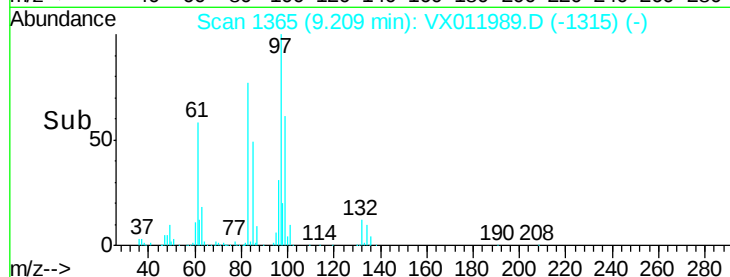
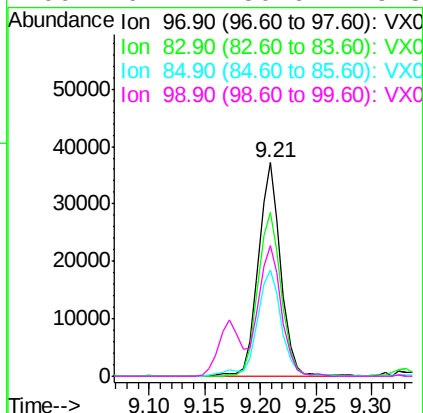
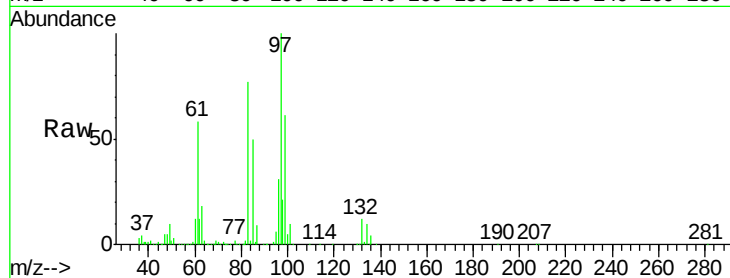
#55
 1,1,2-Trichloroethane
 Concen: 18.722 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX011989.D
 Acq: 01 Sep 2019 13:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0901SBS01

Tot Ion:	97	Resp:	52137
Ion	Ratio	Lower	Upper
97	100		
83	76.6	66.8	100.2
85	49.4	43.5	65.3
99	61.2	50.6	75.8

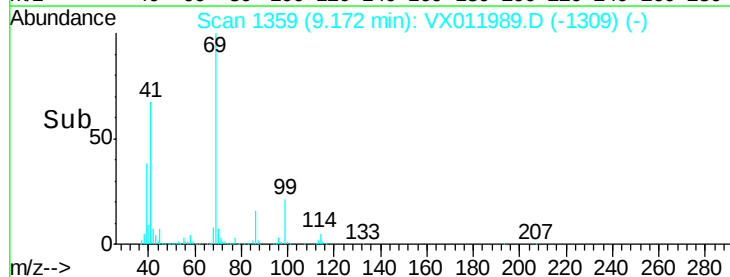
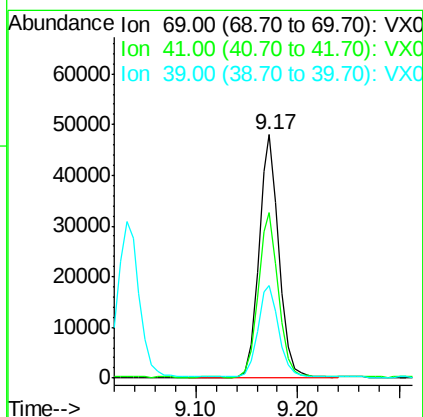
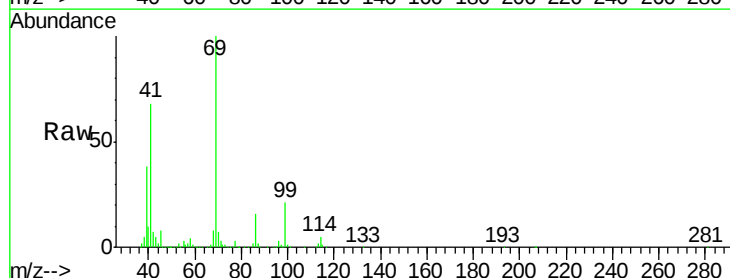
Manual Integrations
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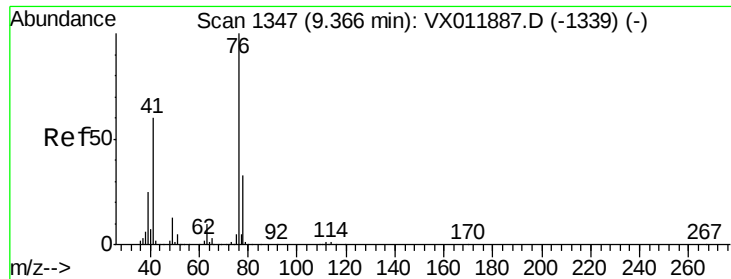
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#56
 Ethyl methacrylate
 Concen: 16.984 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX011989.D
 Acq: 01 Sep 2019 13:48

Tgt Ion:	69	Resp:	65642
Ion	Ratio	Lower	Upper
69	100		
41	69.0	55.8	83.8
39	40.1	31.1	46.7





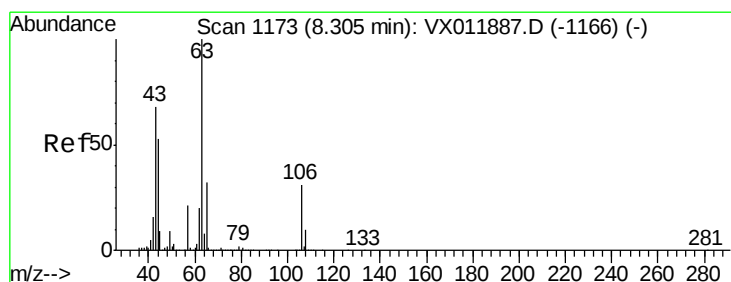
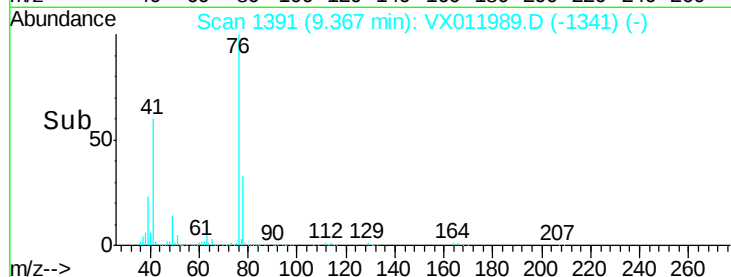
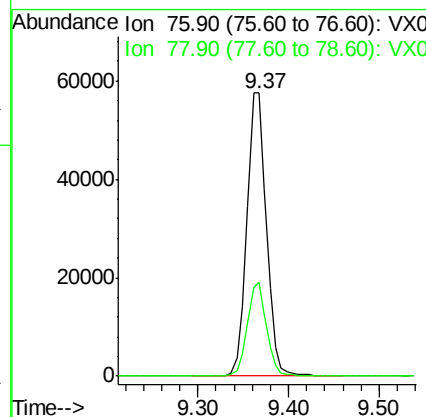
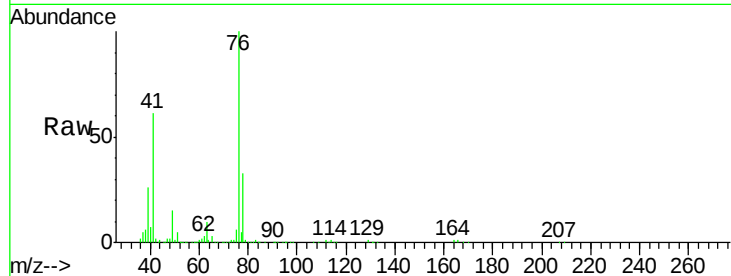
#57
 1,3-Dichloropropane
 Concen: 18.620 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX011989.D
 Acq: 01 Sep 2019 13:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0901SBS01

Tot Ion: 76 Resp: 86064
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.4 39.6

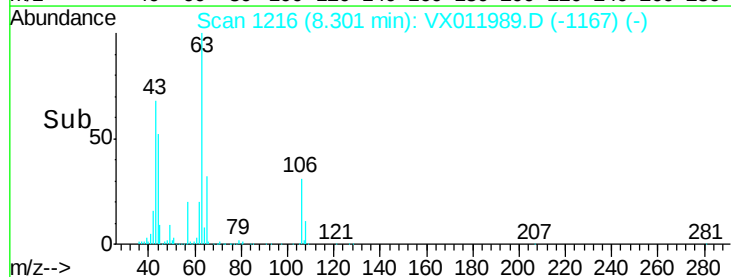
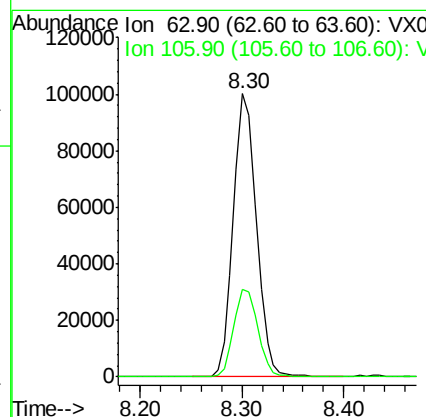
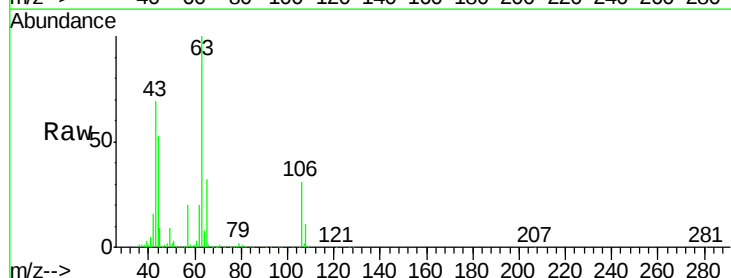
Manual Integrations
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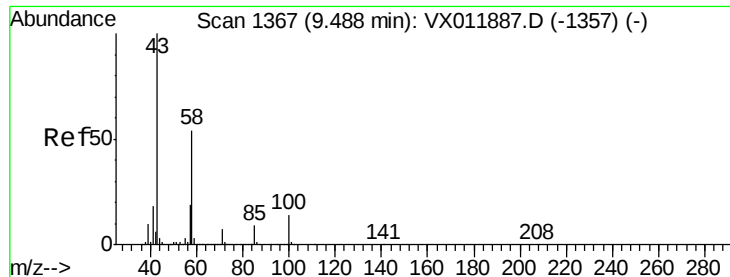
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#58
 2-Chloroethyl Vinyl ether
 Concen: 85.464 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: VX011989.D
 Acq: 01 Sep 2019 13:48

Tgt Ion: 63 Resp: 157326
 Ion Ratio Lower Upper
 63 100
 106 32.3 24.8 37.2





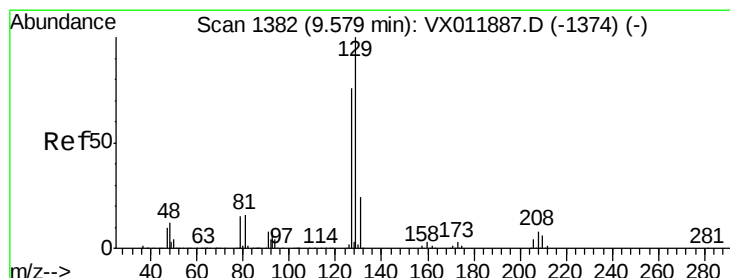
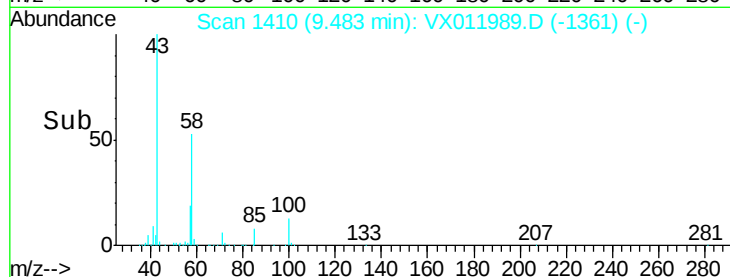
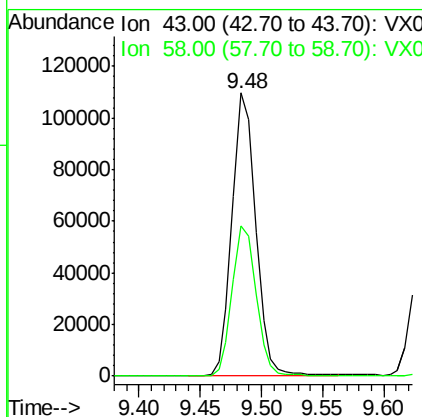
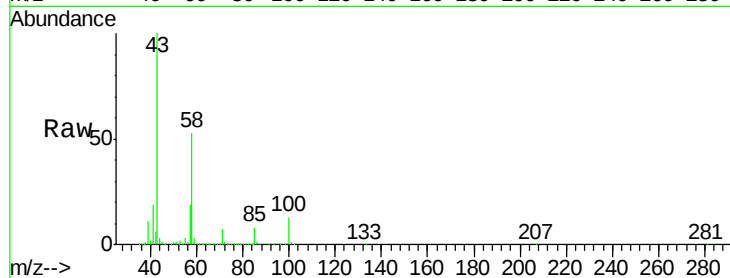
#59
2-Hexanone
Concen: 82.790 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBS01

Tot Ion: 43 Resp: 147183
Ion Ratio Lower Upper
43 100
58 54.3 26.8 80.4

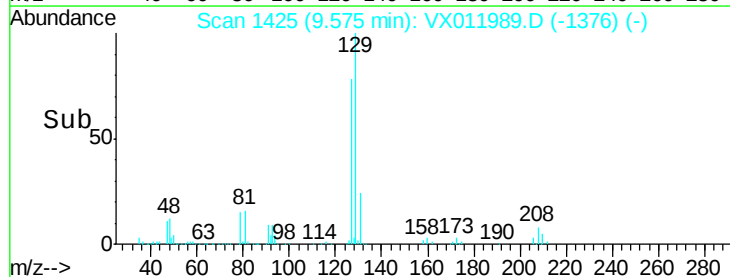
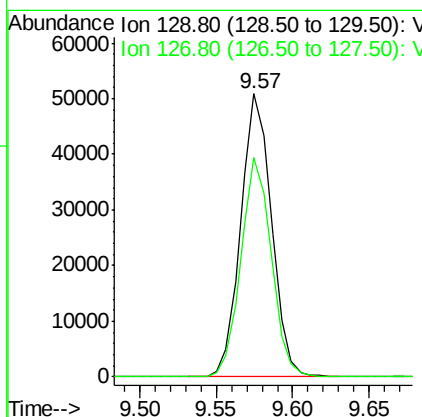
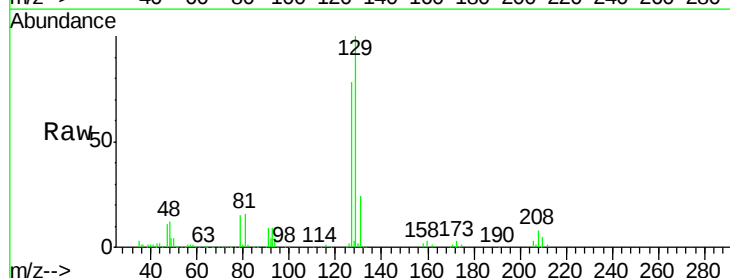
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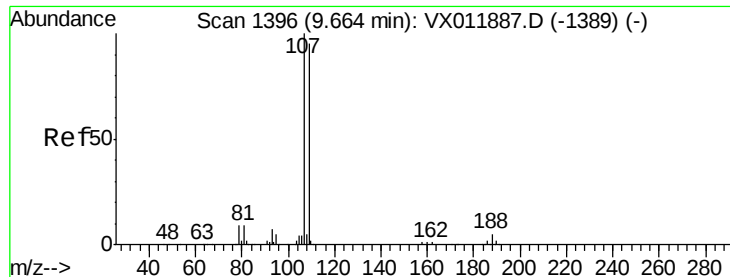
MMDadoda
9/5/2019 2:04:52 AM



#60
Dibromochloromethane
Concen: 19.026 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Tgt Ion: 129 Resp: 71162
Ion Ratio Lower Upper
129 100
127 76.5 38.6 115.7





#61

1,2-Dibromoethane

Concen: 18.377 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Instrument :

MSVOA_X

ClientSampleId :

VX0901SBS01

Tot Ion: 107 Resp: 50737

Ion Ratio Lower Upper

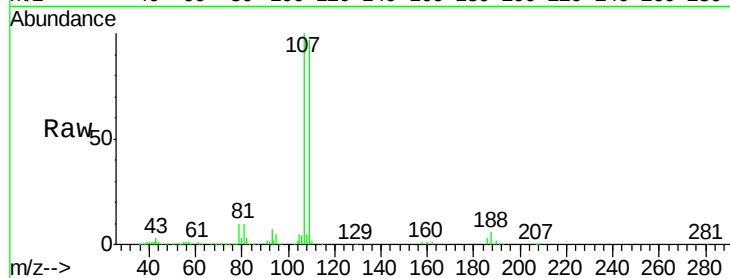
107 100

109 94.1 75.3 112.9

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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

40000

30000

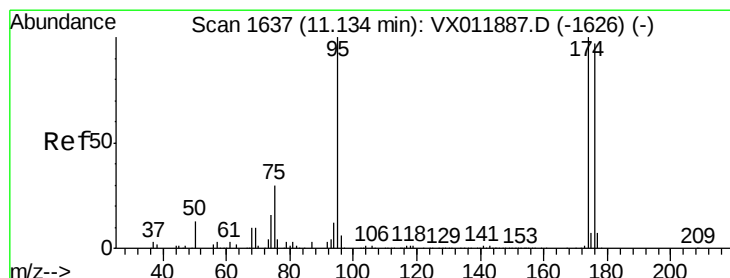
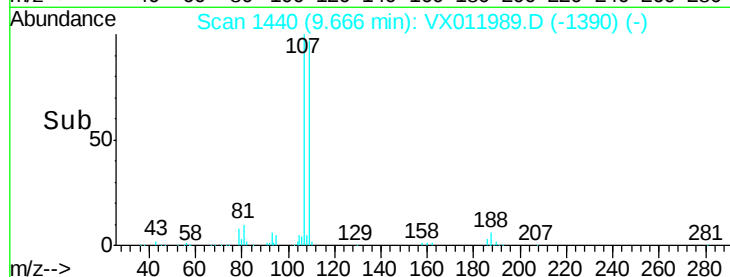
20000

10000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 42.676 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

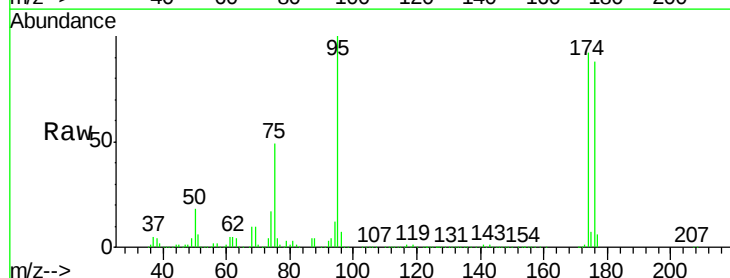
Tgt Ion: 95 Resp: 222348

Ion Ratio Lower Upper

95 100

174 100.8 0.0 196.0

176 98.5 0.0 191.4



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

200000

150000

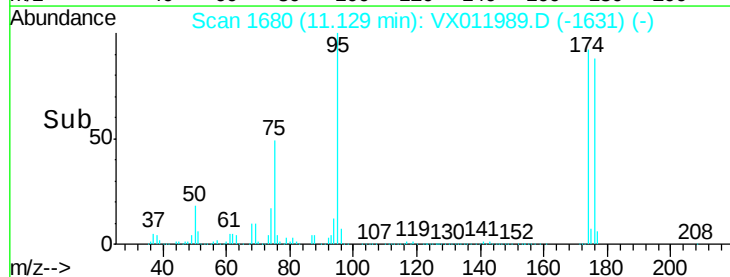
100000

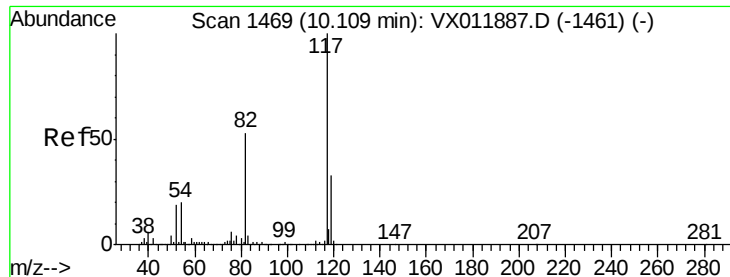
50000

0

11.10 11.20

Time-->





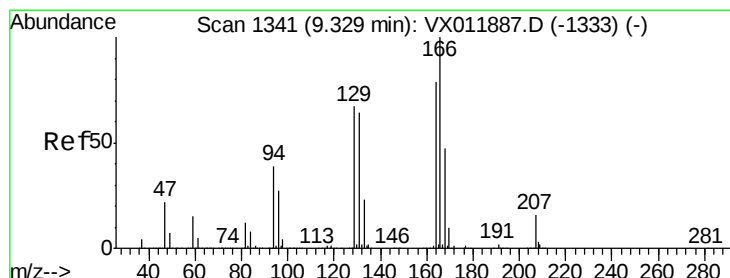
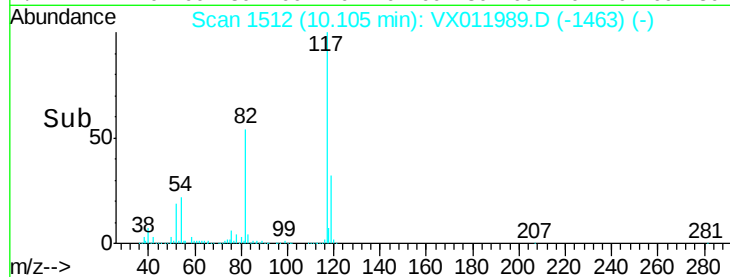
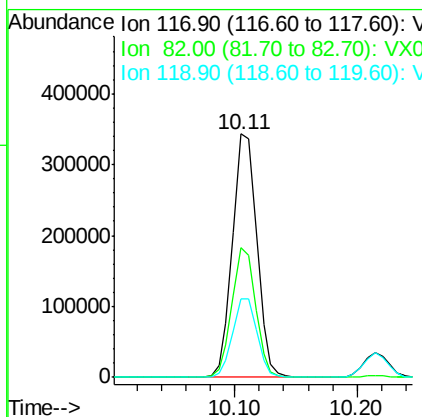
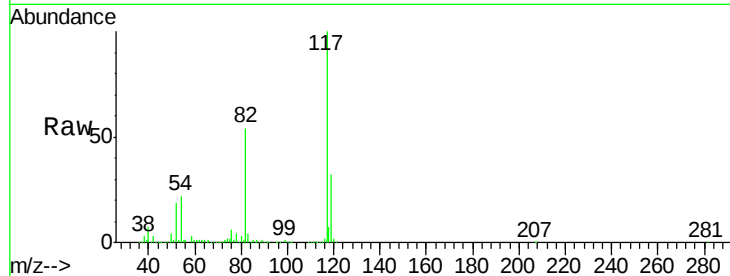
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	472733		
82	53.5	42.0	63.0	
119	32.5	26.2	39.4	

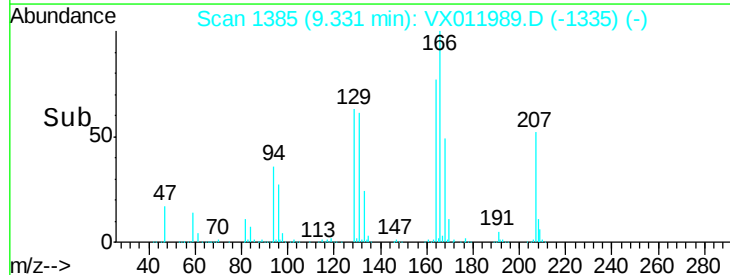
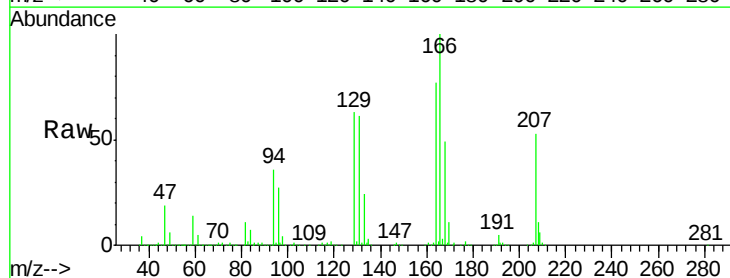
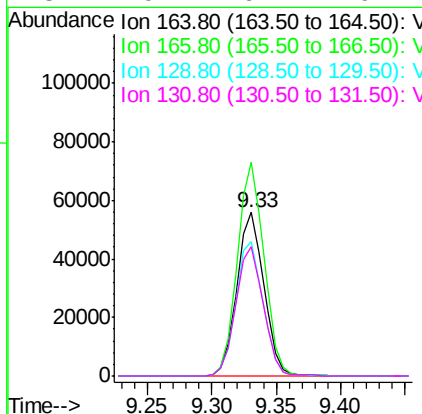
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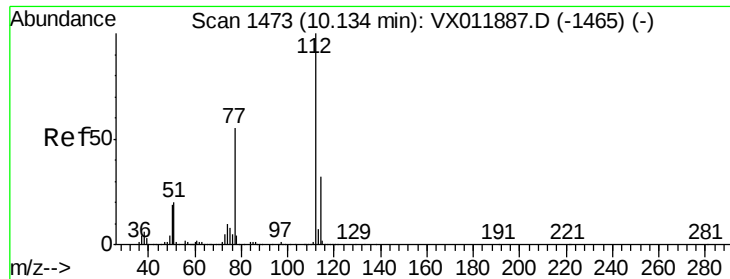
MMDadoda
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#64
Tetrachloroethene
Concen: 21.510 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	81796		
166	130.5	101.4	152.0	
129	81.9	68.0	102.0	
131	79.4	64.7	97.1	





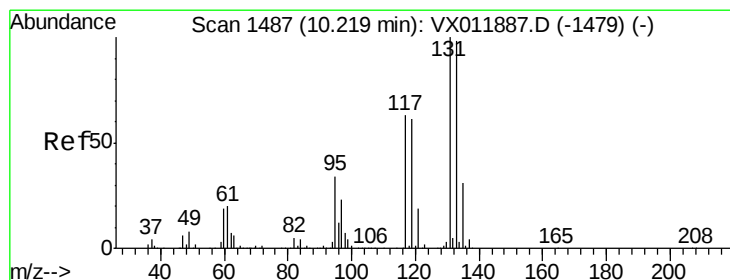
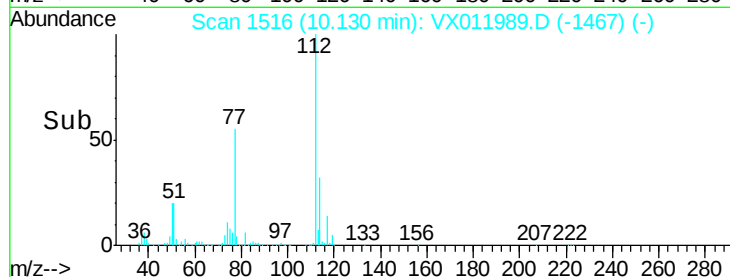
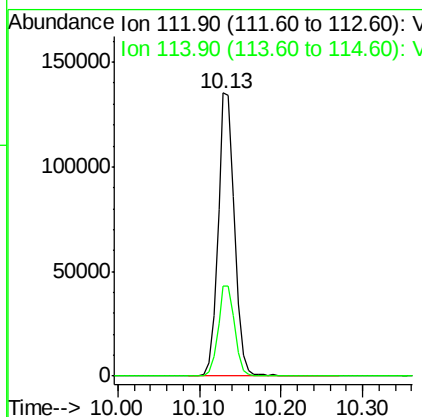
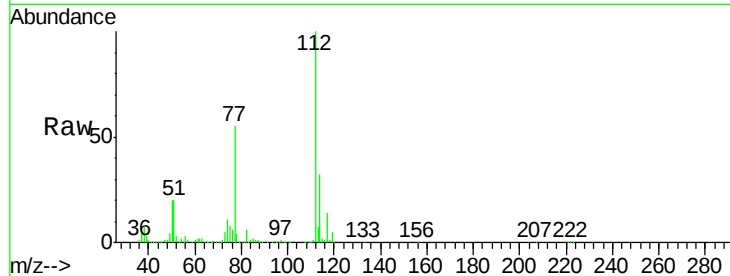
#65
Chlorobenzene
Concen: 20.904 ug/l
RT: 10.13 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.9	38.9

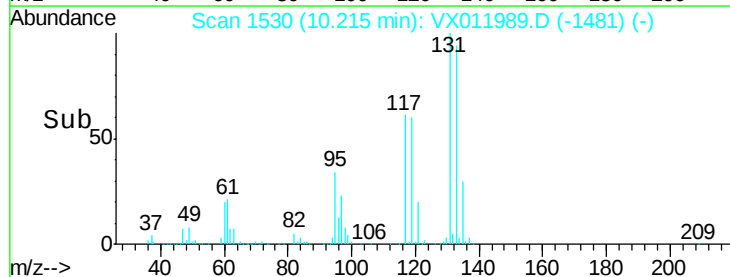
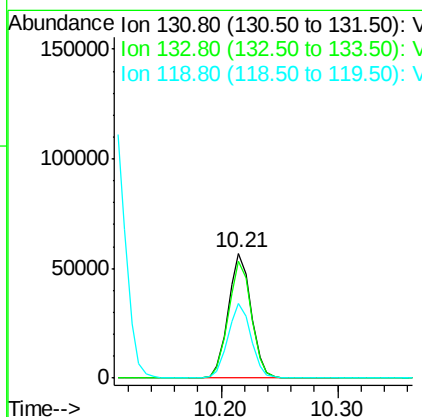
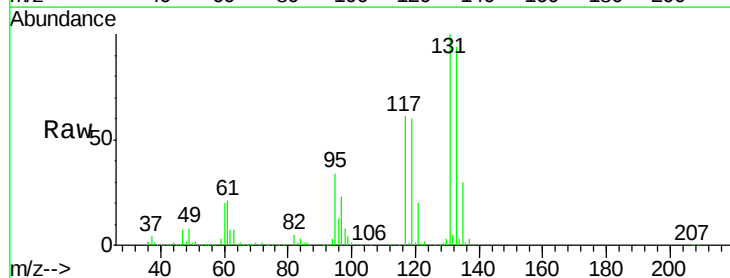
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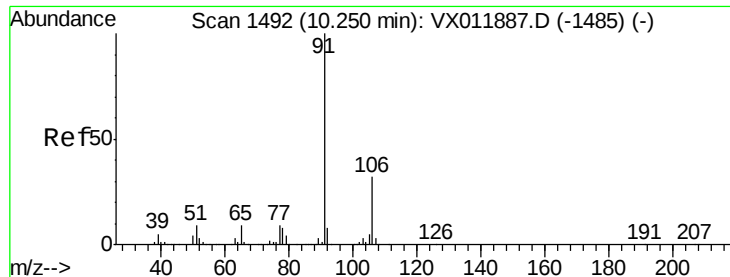
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.916 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	48.4	145.0
119	60.2	30.6	92.0





#67

Ethyl Benzene

Concen: 21.179 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Instrument :

MSVOA_X

ClientSampleId :

VX0901SBS01

Tot Ion: 91 Resp: 330030

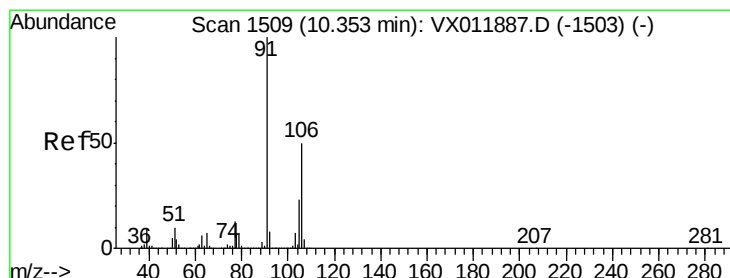
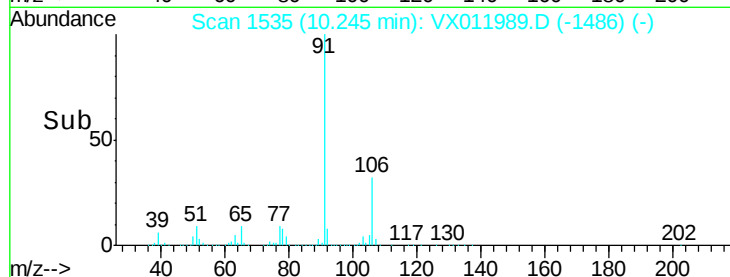
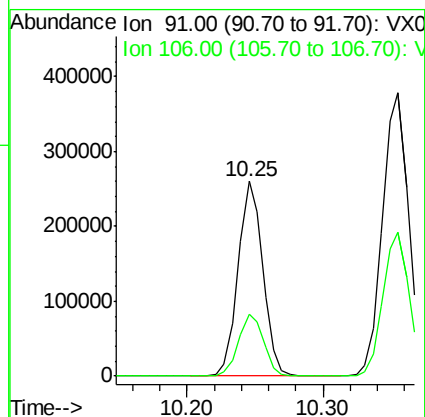
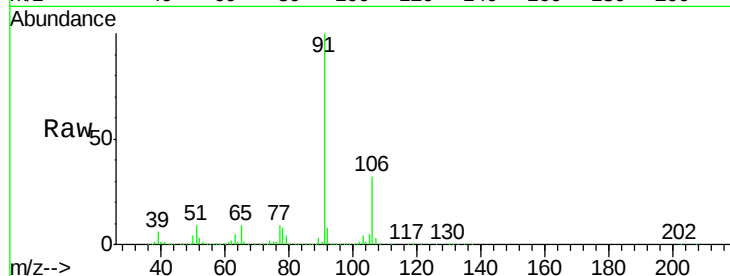
Ion Ratio Lower Upper

91 100

106 32.0 25.8 38.8

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#68

m/p-Xylenes

Concen: 42.969 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX011989.D

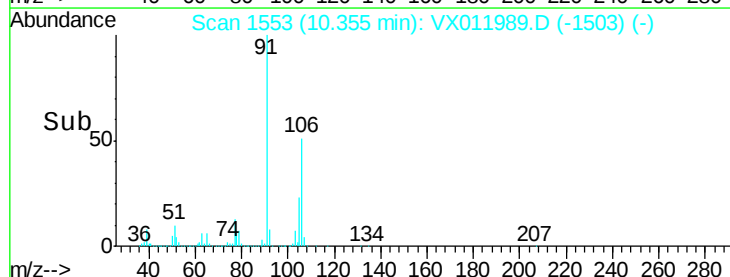
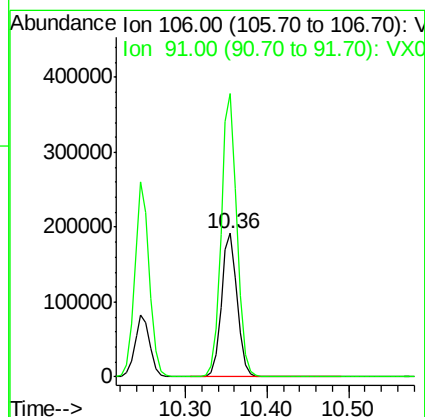
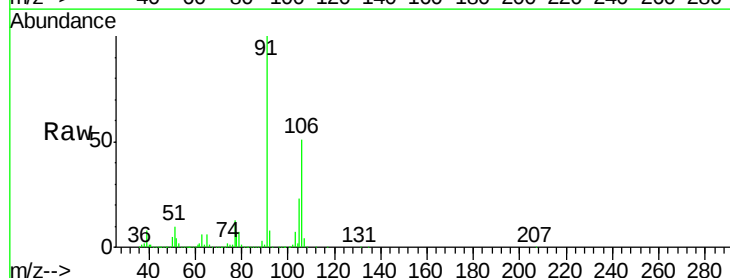
Acq: 01 Sep 2019 13:48

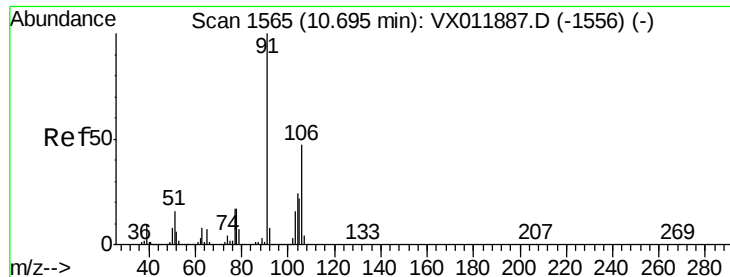
Tgt Ion: 106 Resp: 258545

Ion Ratio Lower Upper

106 100

91 196.9 158.6 237.8





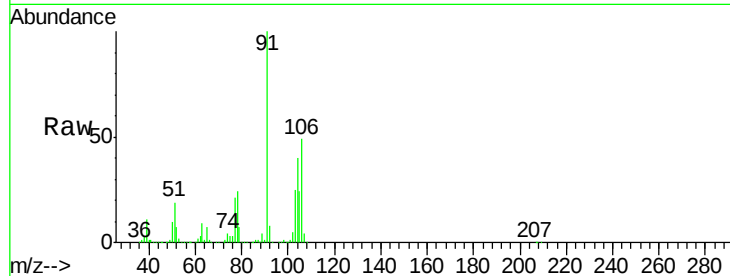
#69
o-Xylene
Concen: 21.103 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBS01

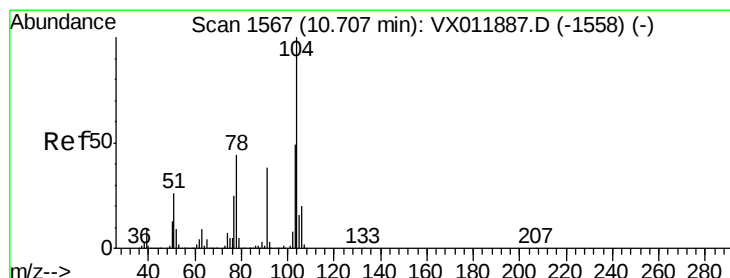
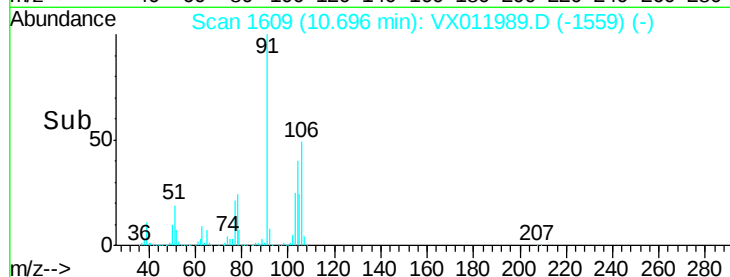
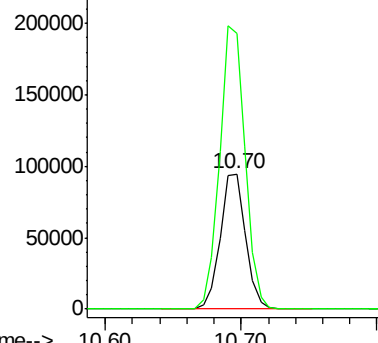
Tot Ion	Ratio	Resp	Lower	Upper
106	100	123737		
91	210.1	104.8	314.6	

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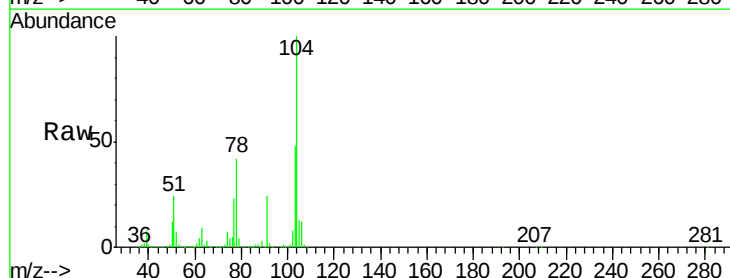


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

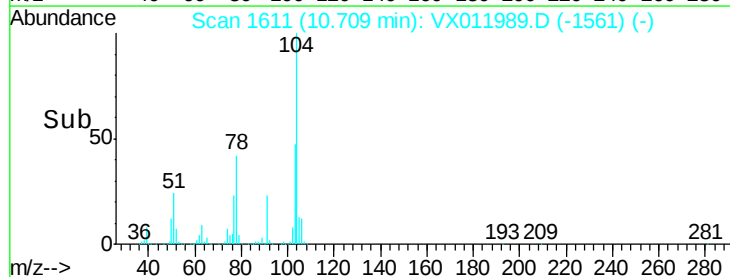
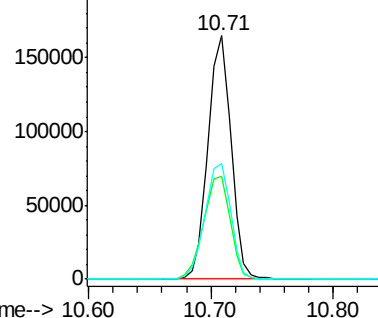


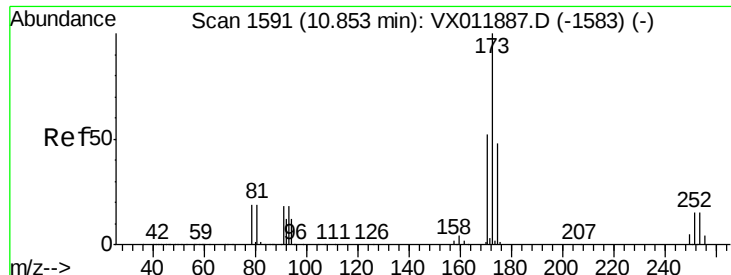
#70
Styrene
Concen: 20.755 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	214500		
78	49.1	39.2	58.8	
103	53.4	43.0	64.6	



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.905 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Instrument :

MSVOA_X

ClientSampleId :

VX0901SBS01

Tot Ion:173 Resp: 49520

Ion Ratio Lower Upper

173 100

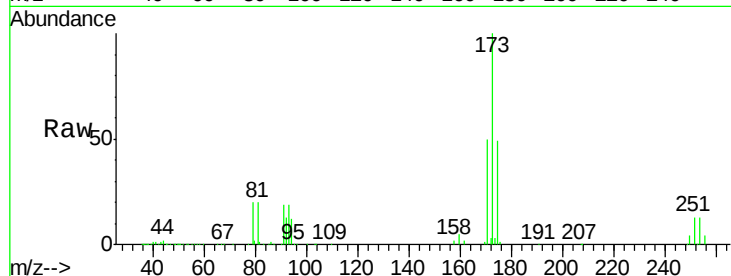
175 48.8 24.4 73.2

254 0.0 0.1 0.1#

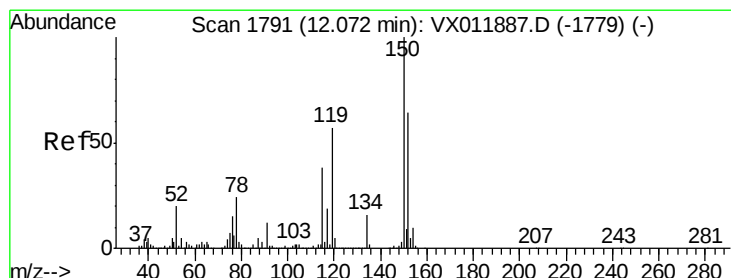
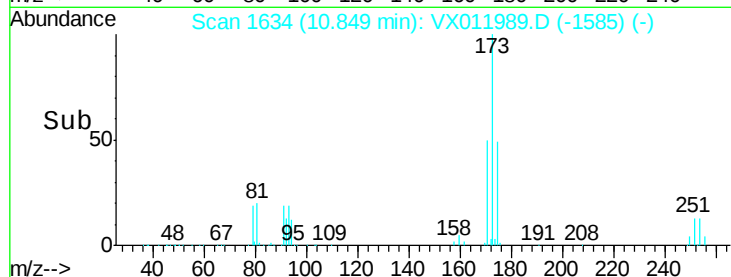
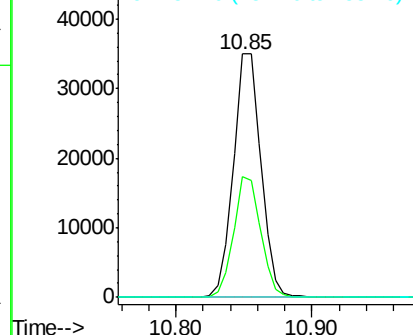
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

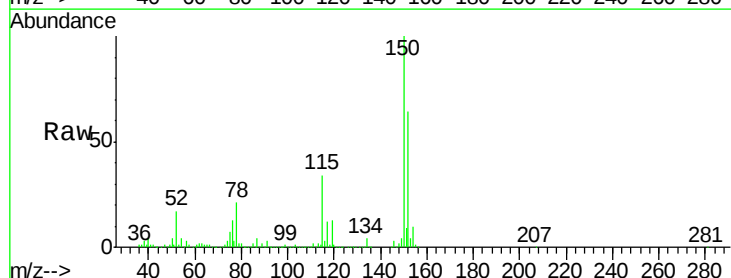
Tgt Ion:152 Resp: 285438

Ion Ratio Lower Upper

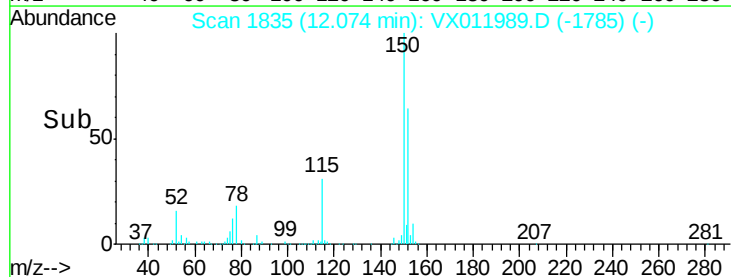
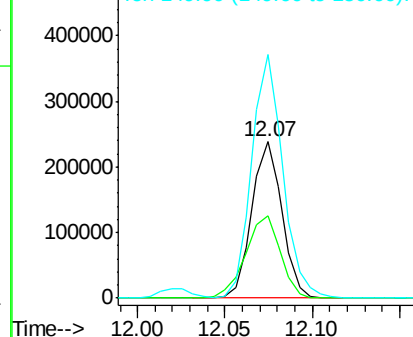
152 100

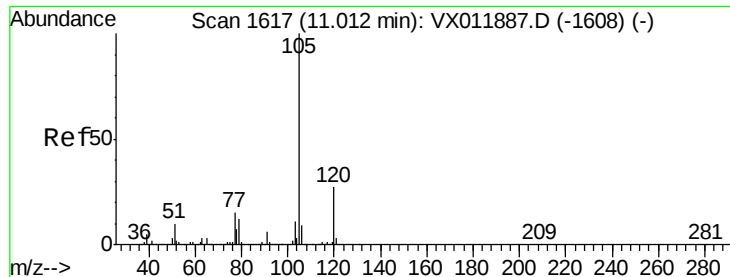
115 61.1 37.1 111.3

150 160.9 0.0 339.6



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: 21.234 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Instrument :

MSVOA_X

ClientSampleId :

VX0901SBS01

Tot Ion: 105 Resp: 348259

Ion Ratio Lower Upper

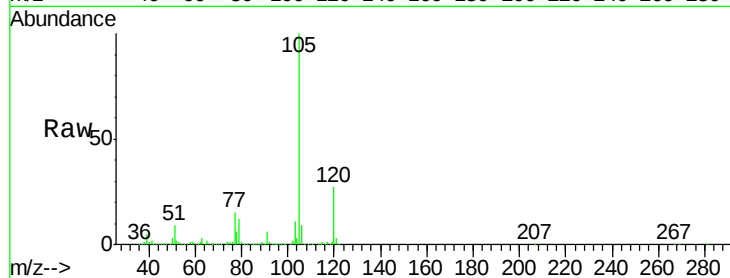
105 100

120 27.4 13.8 41.4

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

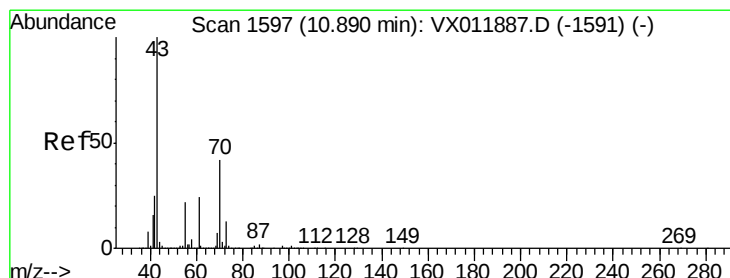
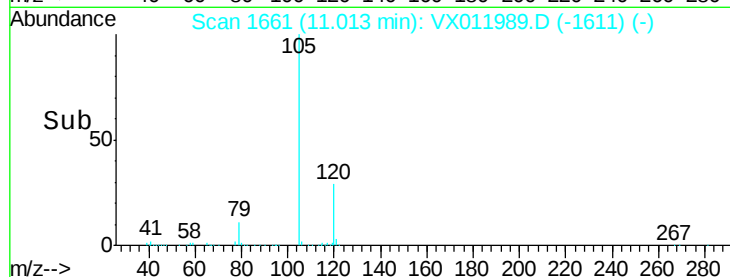
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 16.186 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Tgt Ion: 43 Resp: 78780

Ion Ratio Lower Upper

43 100

70 43.5 0.2 0.2#

55 23.7 0.1 0.1#

61 25.1 16.4 24.6#

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

100000

80000

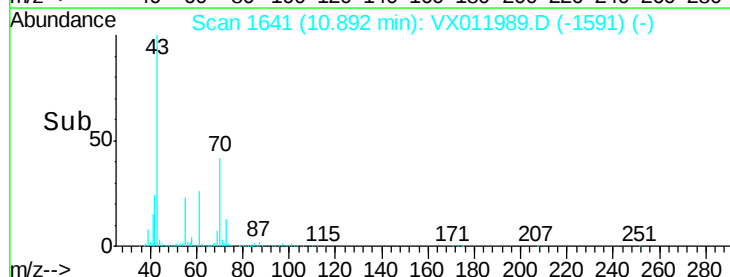
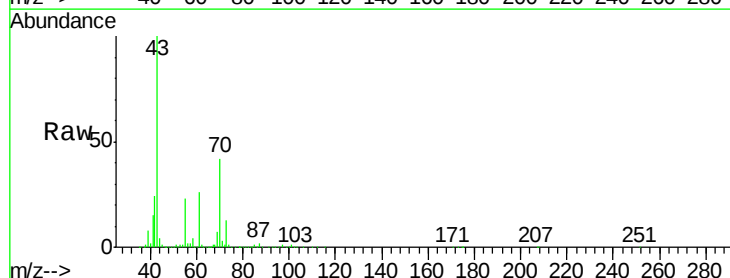
60000

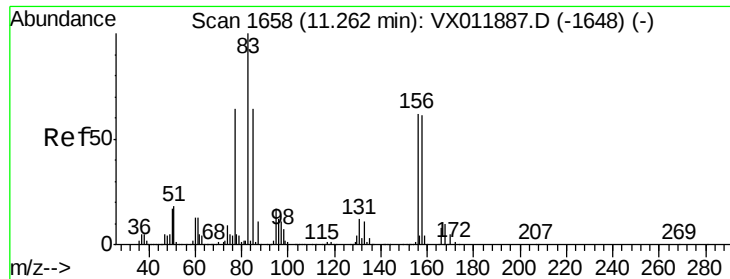
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.710 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Instrument :

MSVOA_X

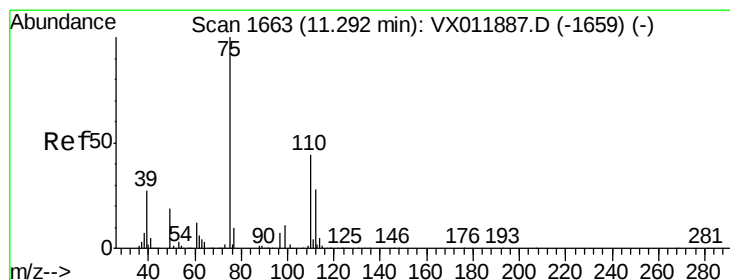
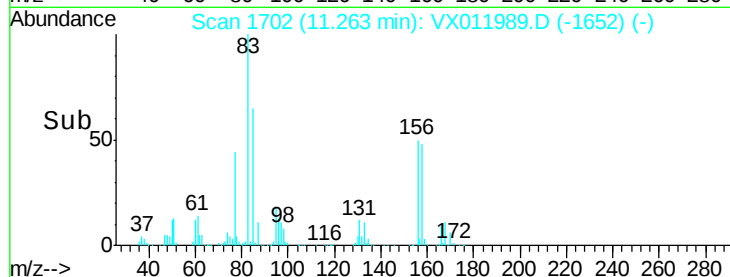
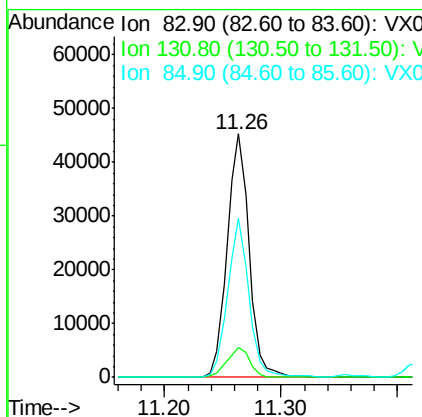
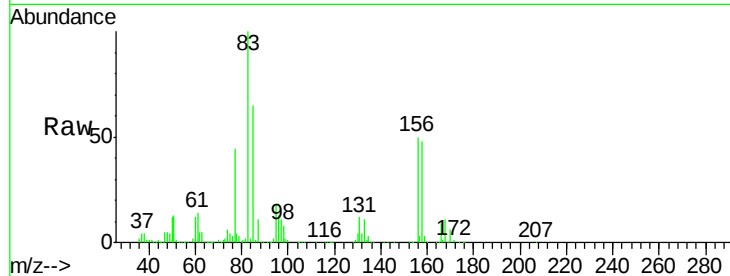
ClientSampleId :

VX0901SBS01

Tot Ion:	83	Resp:	59444
Ion Ratio	Lower	Upper	
83	100		
131	12.4	6.0	18.0
85	63.6	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 15.781 ug/l m

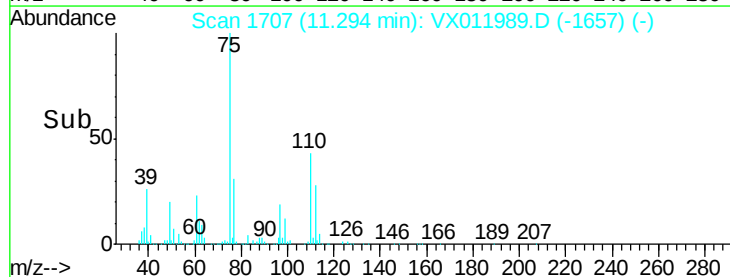
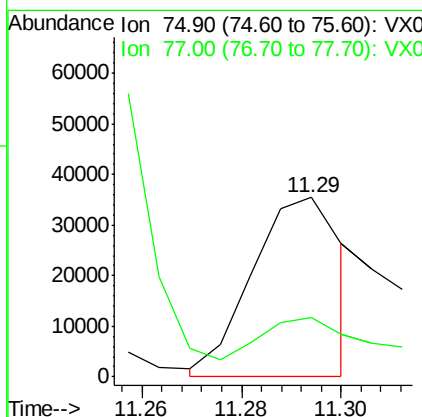
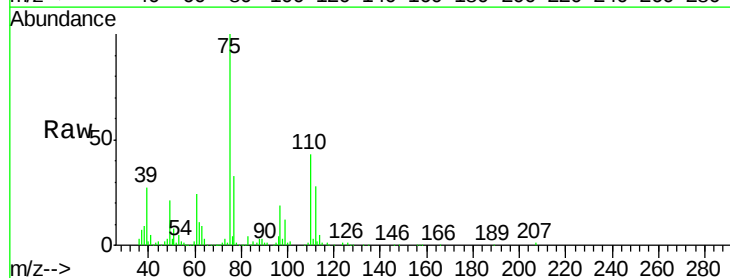
RT: 11.29 min Scan# 1707

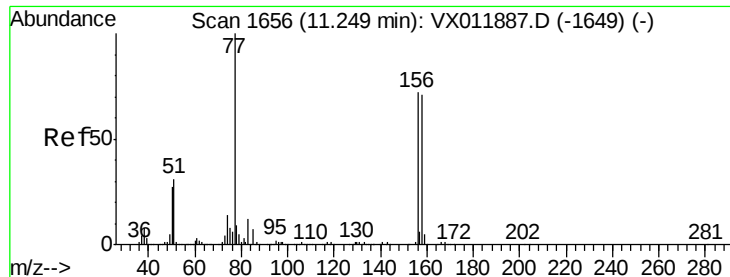
Delta R.T. 0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Tgt Ion:	75	Resp:	44312
Ion Ratio	Lower	Upper	
75	100		
77	45.3	20.9	62.7





#77

Bromobenzene

Concen: 20.211 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Instrument :

MSVOA_X

ClientSampleId :

VX0901SBS01

Tot Ion:156 Resp: 96136

Ion Ratio Lower Upper

156 100

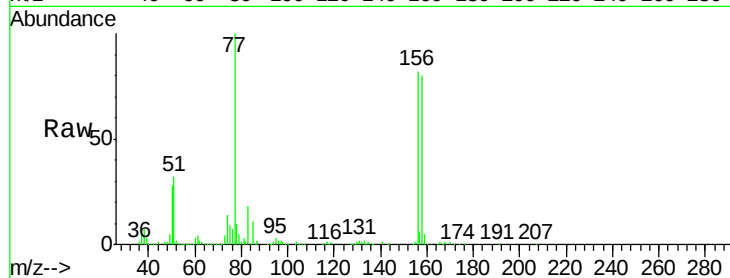
77 127.7 68.1 204.3

158 97.5 48.9 146.8

Manual Integrations
APPROVED

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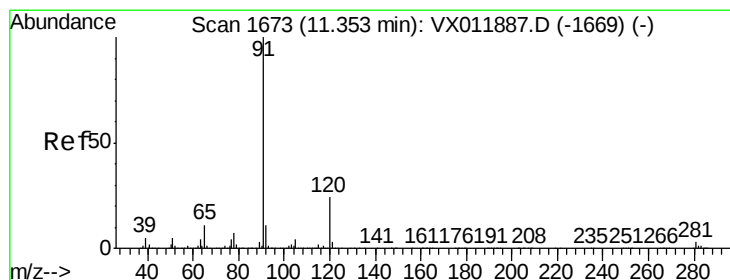
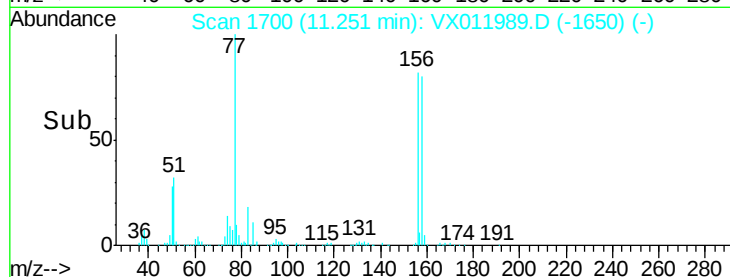
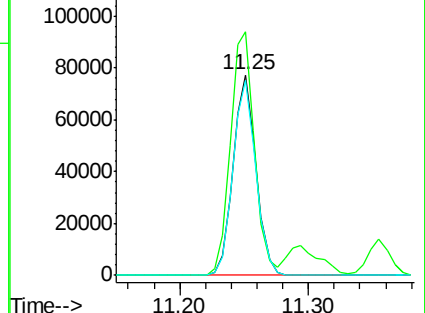
9/5/2019 2:04:52 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.366 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX011989.D

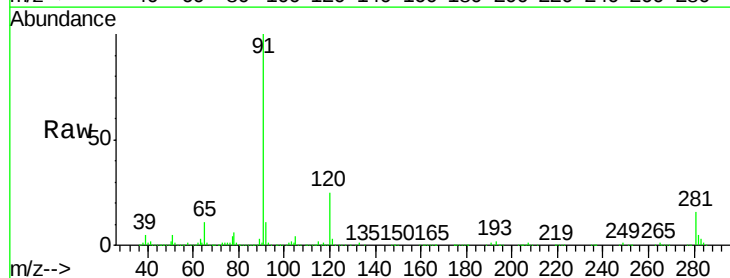
Acq: 01 Sep 2019 13:48

Tgt Ion: 91 Resp: 397355

Ion Ratio Lower Upper

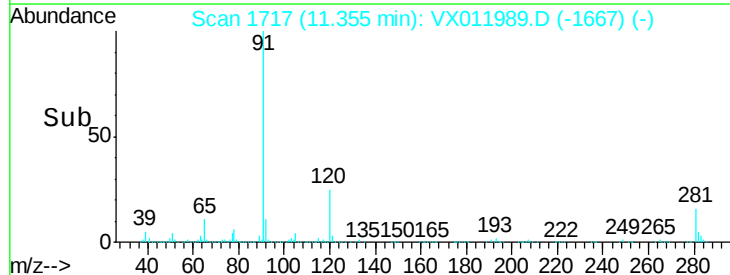
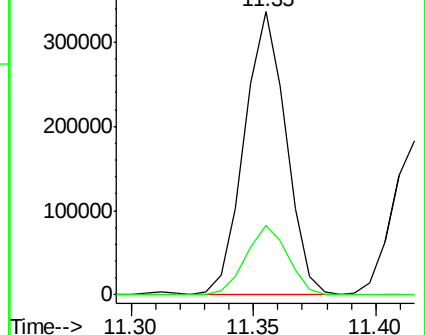
91 100

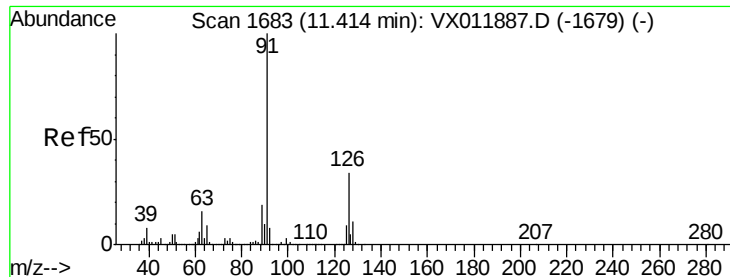
120 24.8 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.204 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Instrument :

MSVOA_X

ClientSampleId :

VX0901SBS01

Tot Ion: 91 Resp: 226173

Ion Ratio Lower Upper

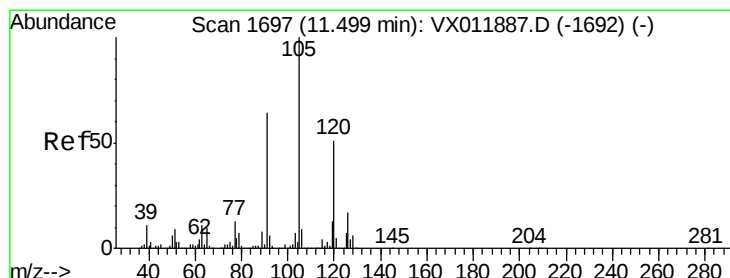
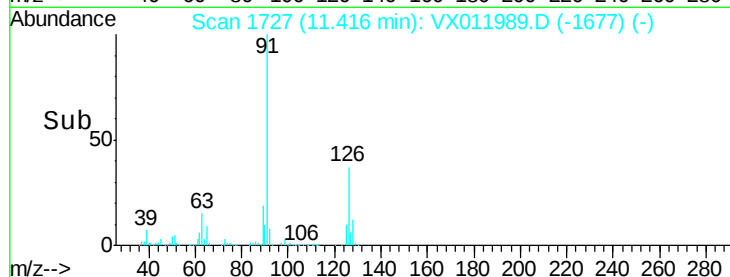
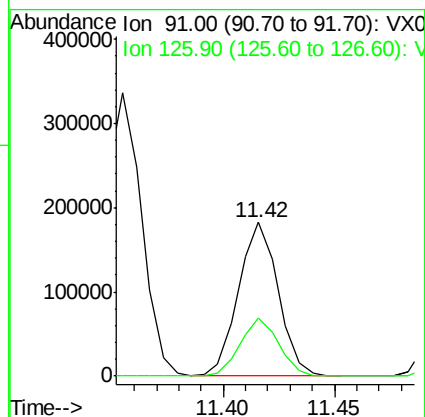
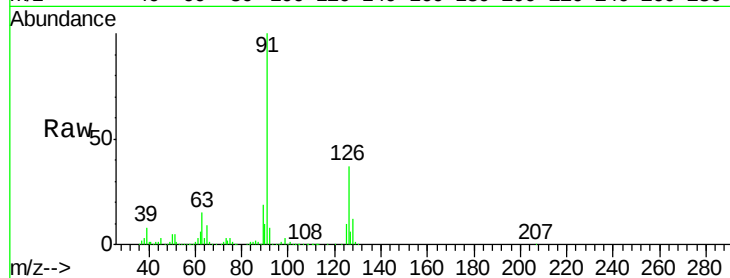
91 100

126 37.0 17.9 53.8

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 20.841 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011989.D

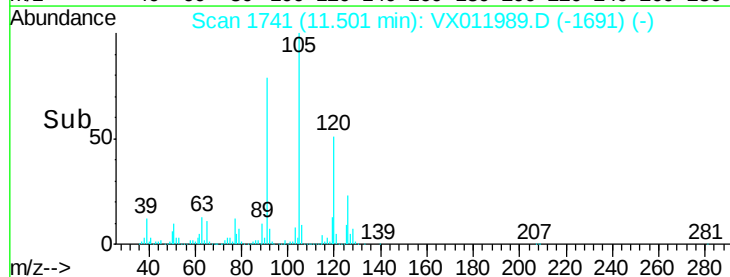
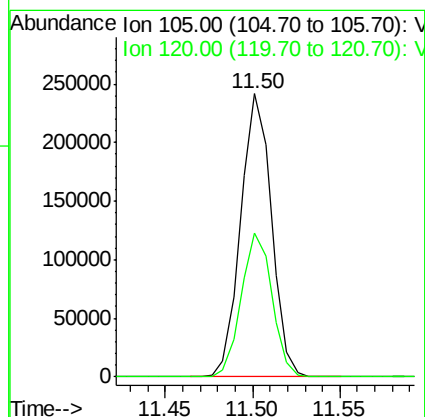
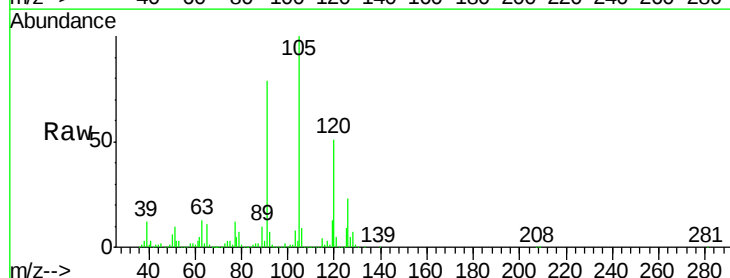
Acq: 01 Sep 2019 13:48

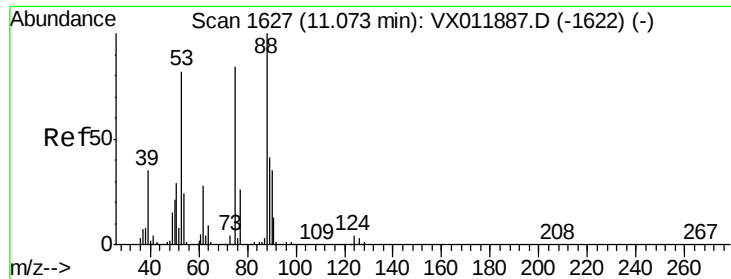
Tgt Ion: 105 Resp: 295024

Ion Ratio Lower Upper

105 100

120 50.8 25.3 75.9





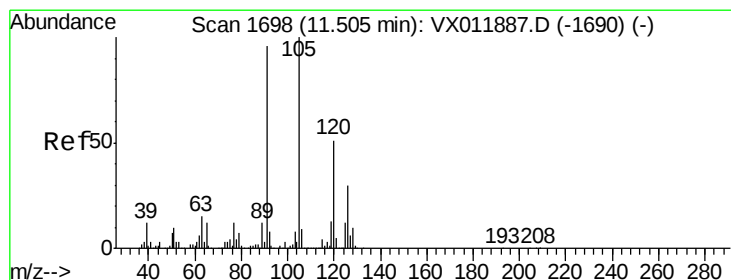
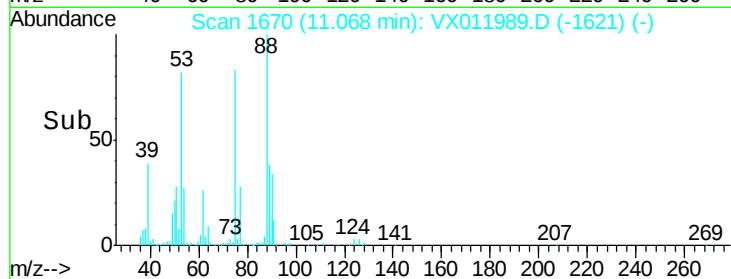
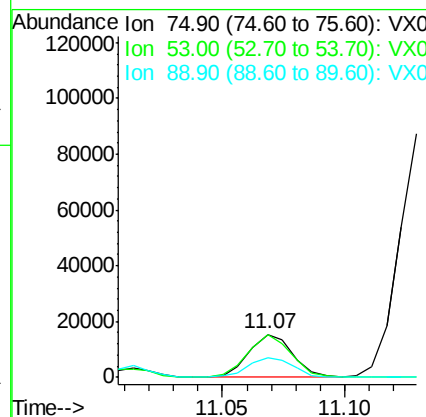
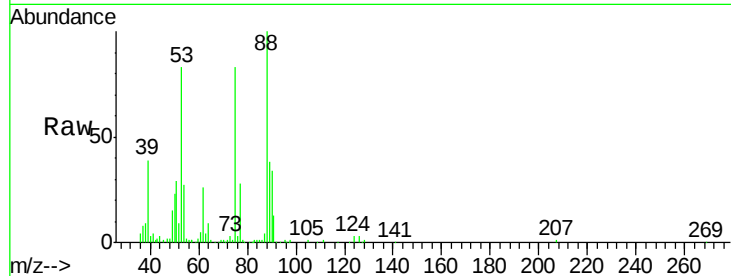
#81
trans-1,4-Dichloro-2-butene
Concen: 17.075 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.0	77.1	115.7
89	48.6	38.2	57.2

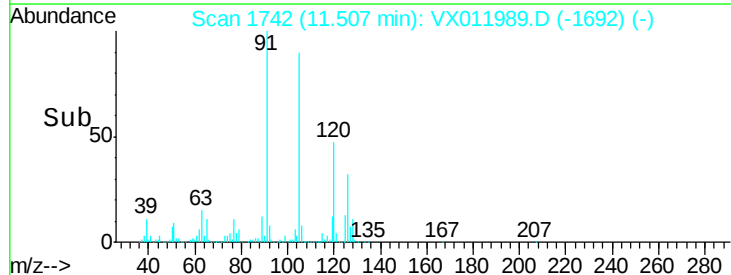
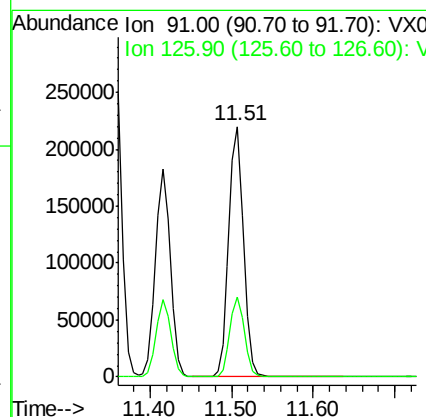
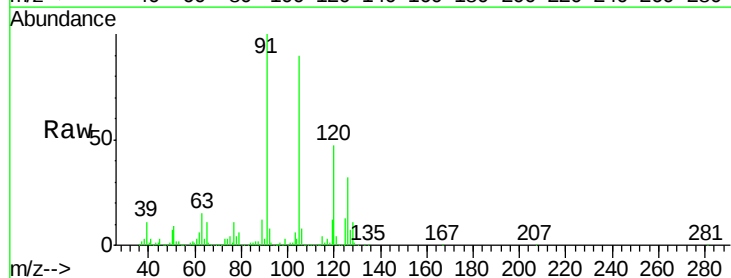
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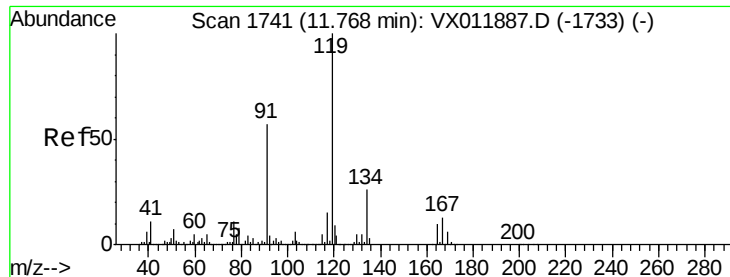
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#82
4-Chlorotoluene
Concen: 20.524 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.9	47.6





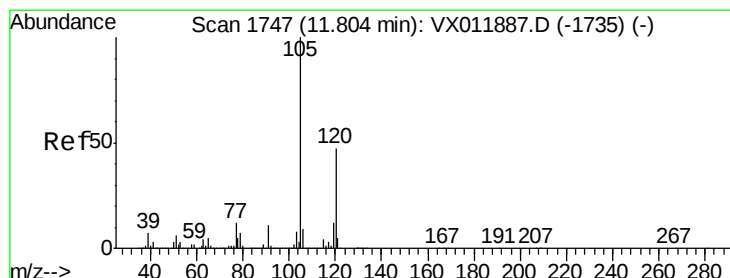
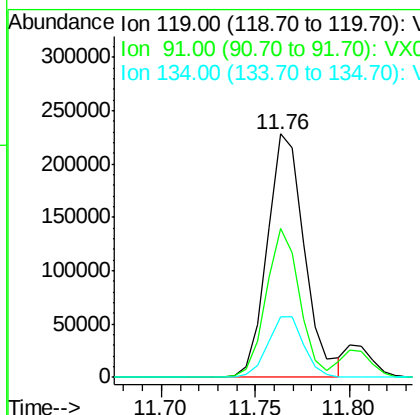
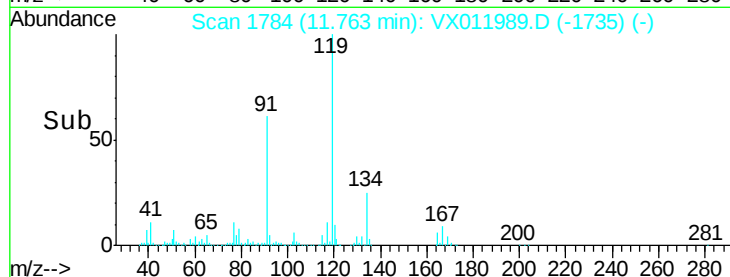
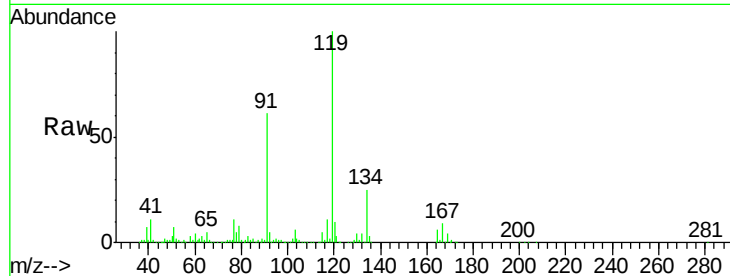
#83
 tert-Butylbenzene
 Concen: 21.721 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX011989.D
 Acq: 01 Sep 2019 13:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0901SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	312006		
91	55.0		27.9	83.6
134	24.1		12.3	36.8

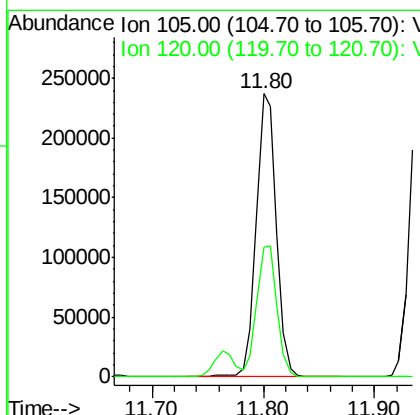
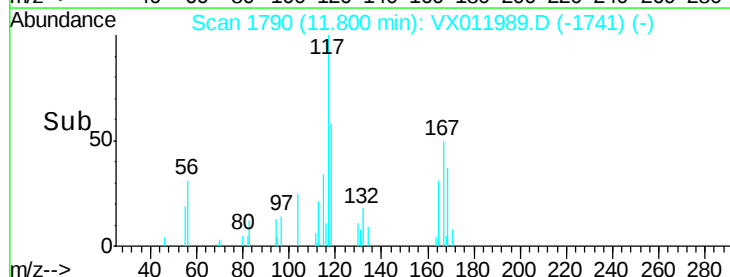
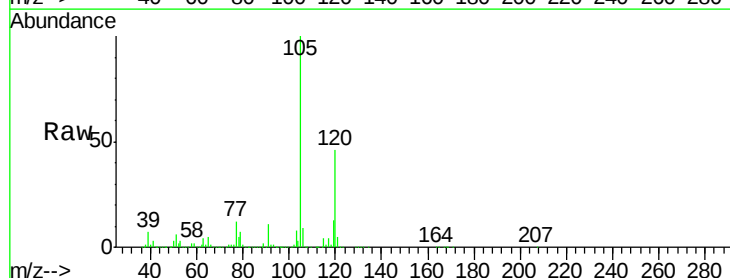
Manual Integrations
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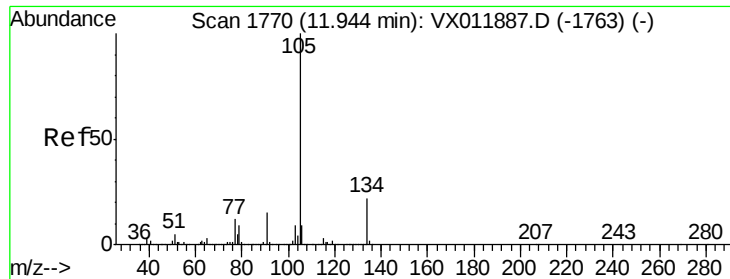
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.532 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX011989.D
 Acq: 01 Sep 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	297878		
120	46.4		23.4	70.3





#85

sec-Butylbenzene

Concen: 21.666 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Instrument :

MSVOA_X

ClientSampleId :

VX0901SBS01

Tot Ion:105 Resp: 361487

Ion Ratio Lower Upper

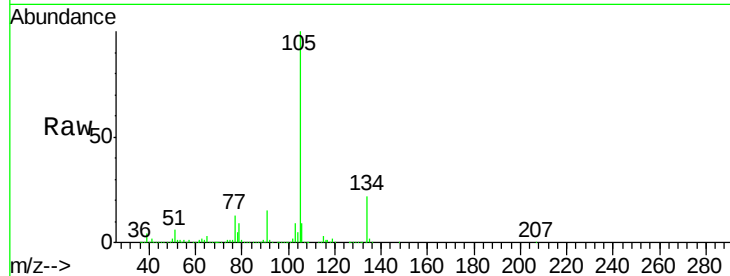
105 100

134 22.2 10.9 32.7

Manual Integrations
APPROVED

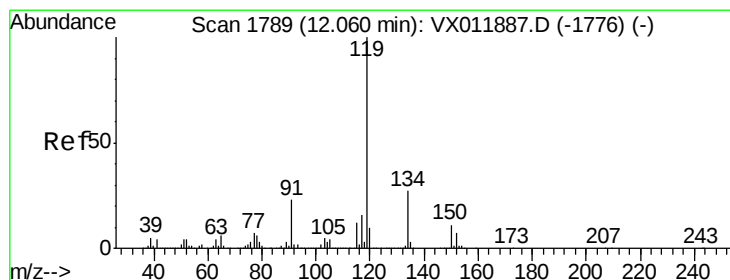
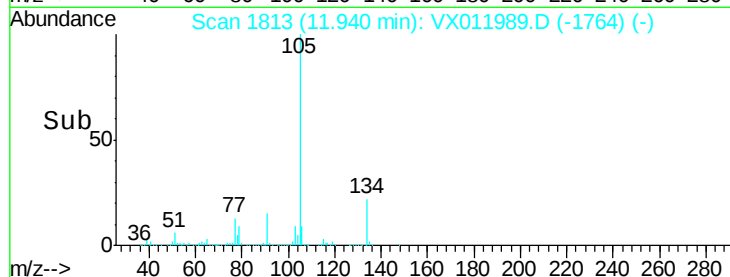
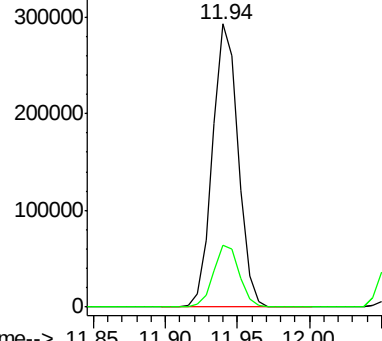
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.539 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

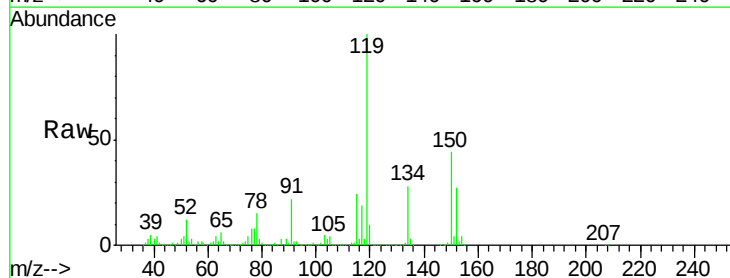
Tgt Ion:119 Resp: 348460

Ion Ratio Lower Upper

119 100

134 27.6 13.7 41.0

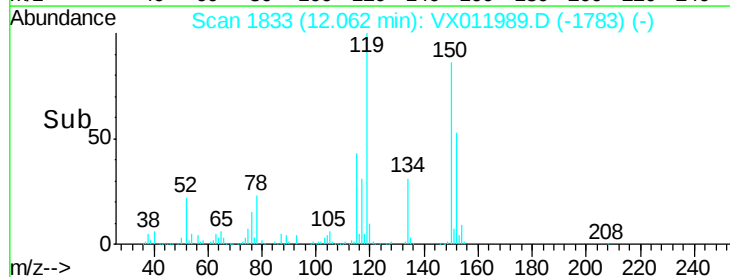
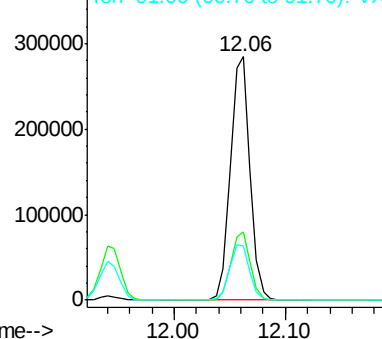
91 23.1 11.6 34.7

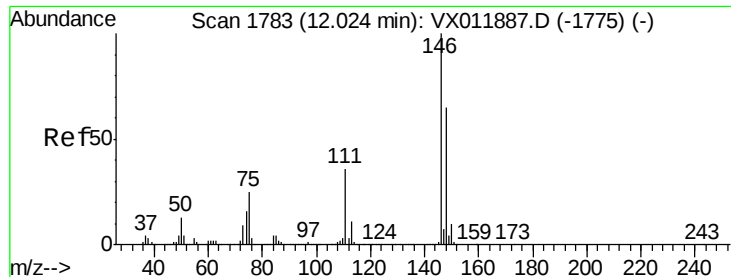


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





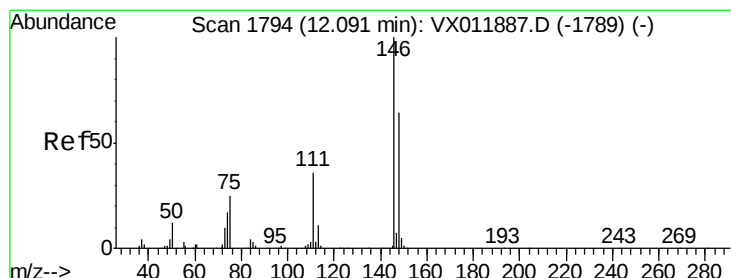
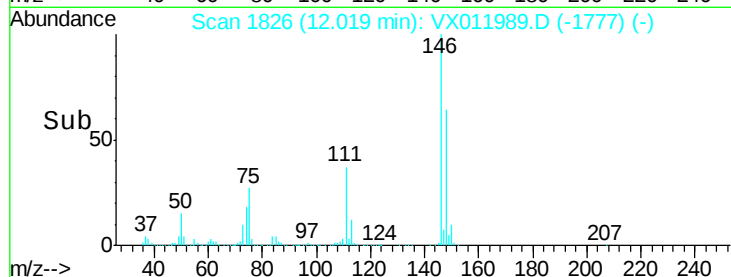
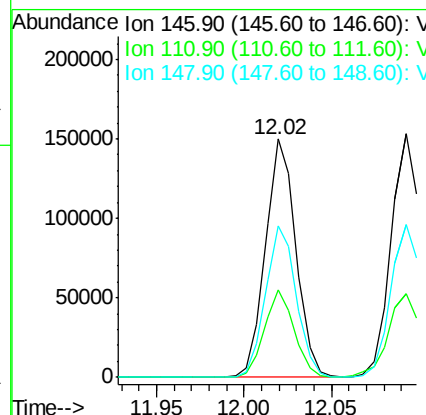
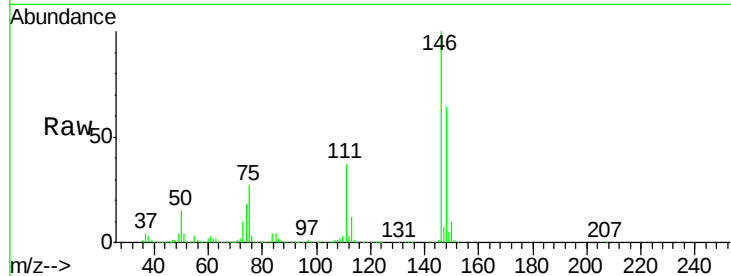
#87
 1,3-Dichlorobenzene
 Concen: 20.797 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX011989.D
 Acq: 01 Sep 2019 13:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0901SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	183850		
111	36.2	18.4	55.2	
148	64.1	32.1	96.5	

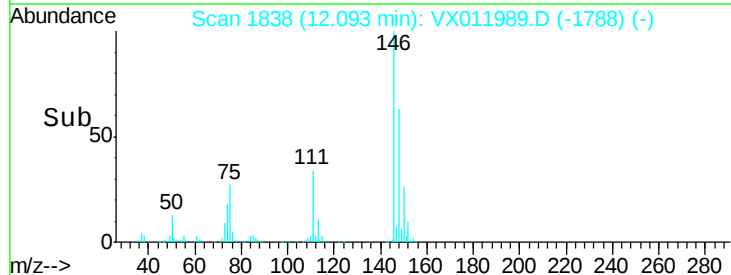
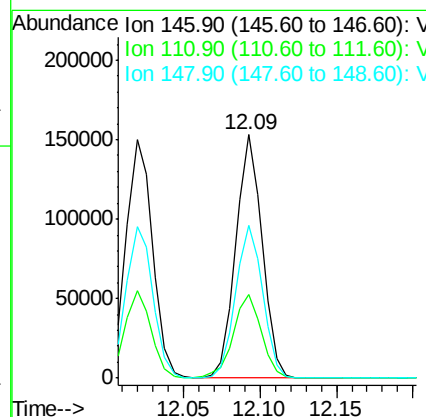
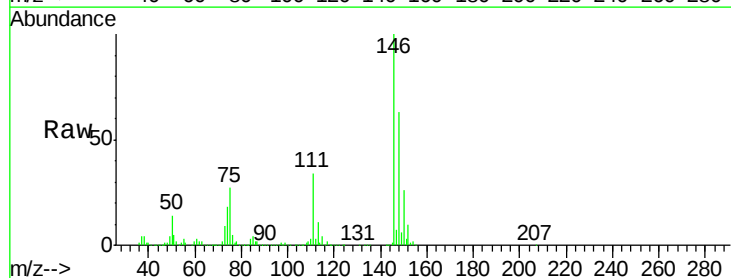
Manual Integrations
 APPROVED

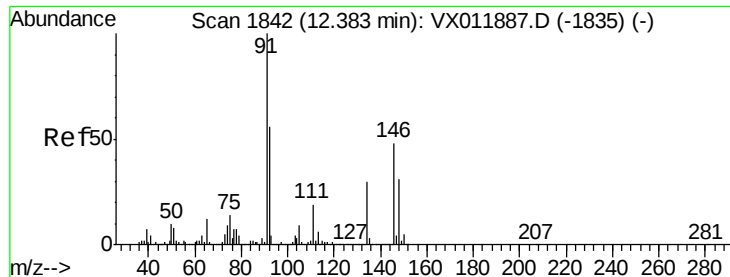
MMDadoda
 9/5/2019 2:04:52 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.451 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX011989.D
 Acq: 01 Sep 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	182764		
111	36.9	17.9	53.7	
148	64.8	32.4	97.0	





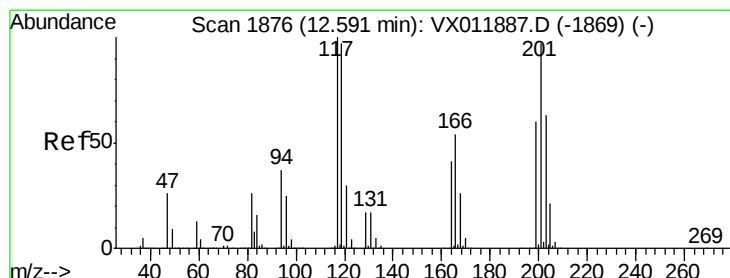
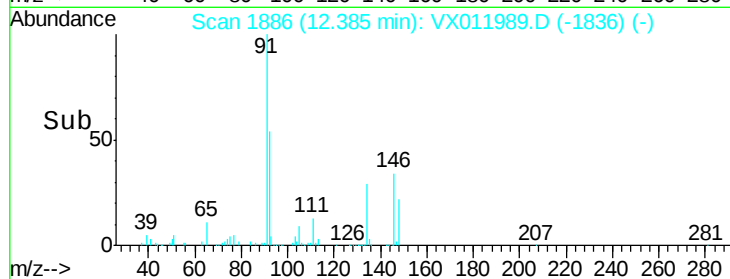
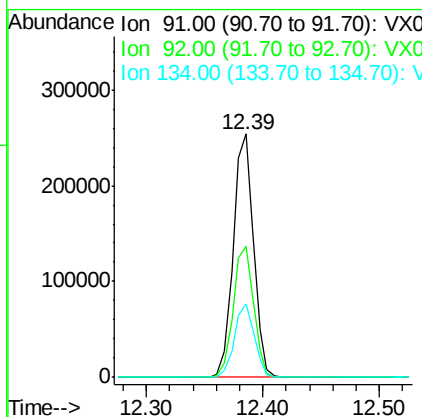
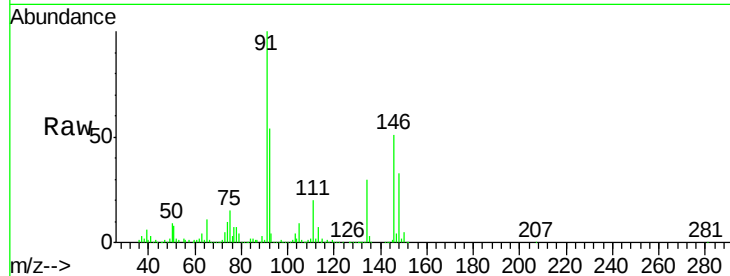
#89
n-Butylbenzene
Concen: 21.549 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.6	82.8
134	29.7	14.8	44.3

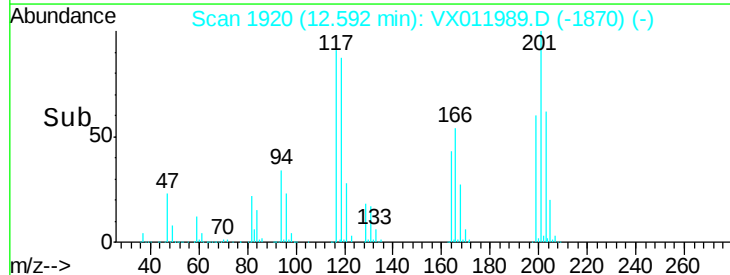
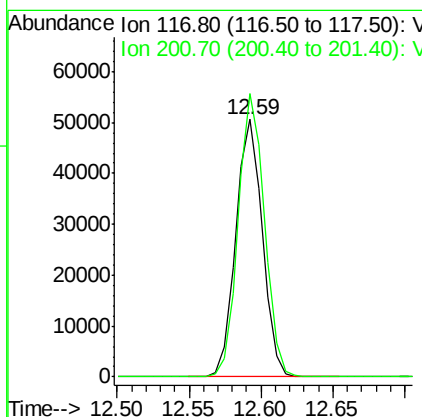
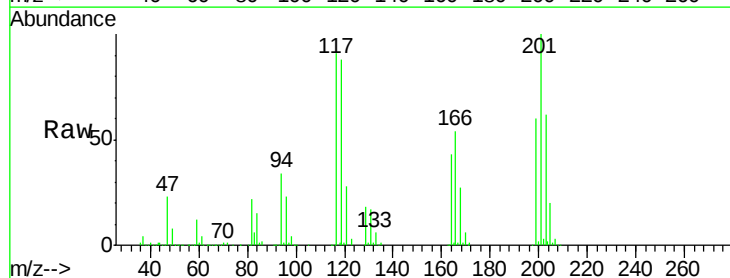
Manual Integrations
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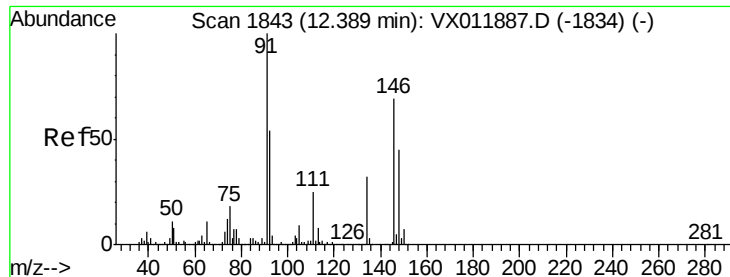
MMDadoda
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#90
Hexachloroethane
Concen: 20.851 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	107.9	52.8	158.5





#91

1,2-Dichlorobenzene

Concen: 20.116 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Instrument :

MSVOA_X

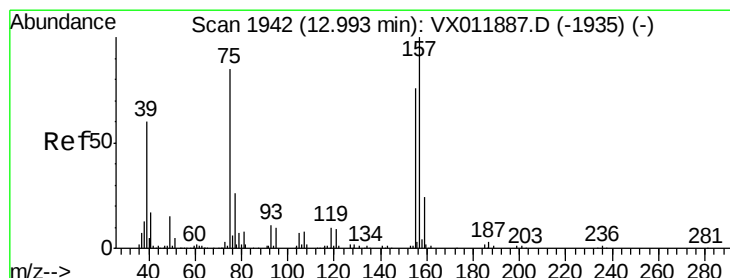
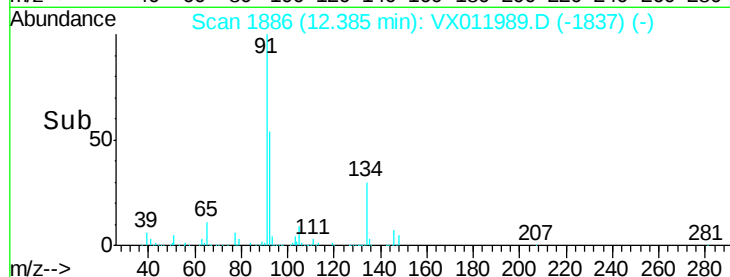
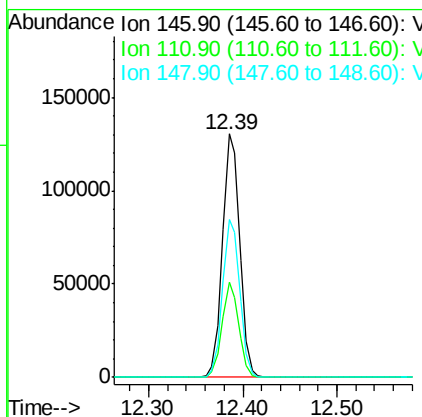
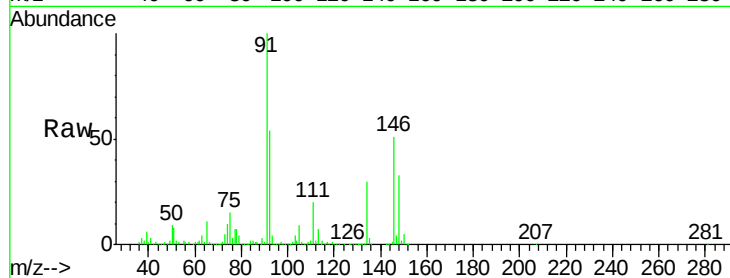
ClientSampleId :

VX0901SBS01

Tot Ion:	146	Resp:	165335
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.9	56.5
148	64.6	32.1	96.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 16.386 ug/l

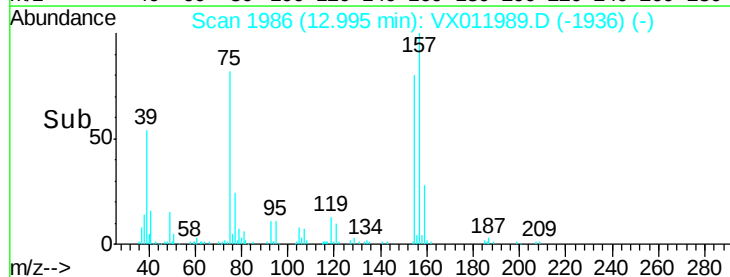
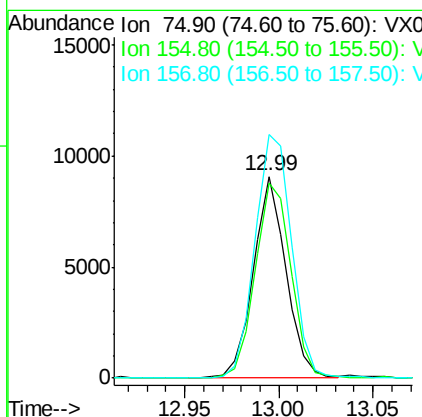
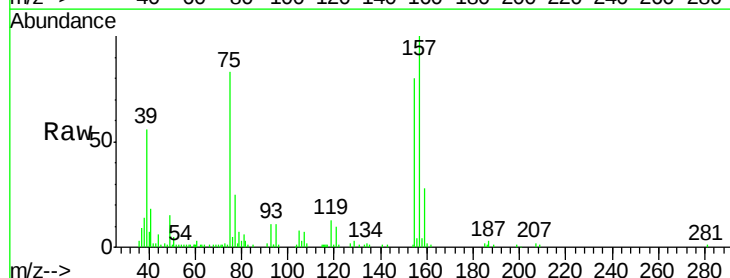
RT: 12.99 min Scan# 1986

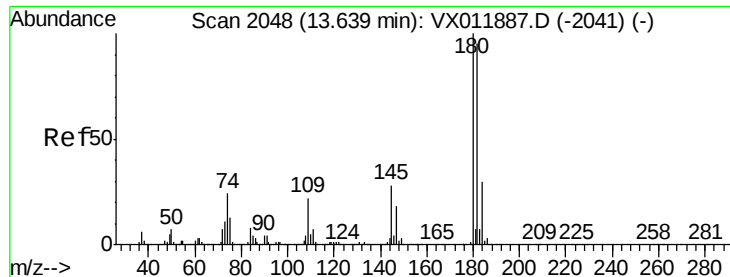
Delta R.T. 0.00 min

Lab File: VX011989.D

Acq: 01 Sep 2019 13:48

Tgt Ion:	75	Resp:	10956
Ion Ratio	Lower	Upper	
75	100		
155	105.5	50.1	150.4
157	134.9	63.9	191.7





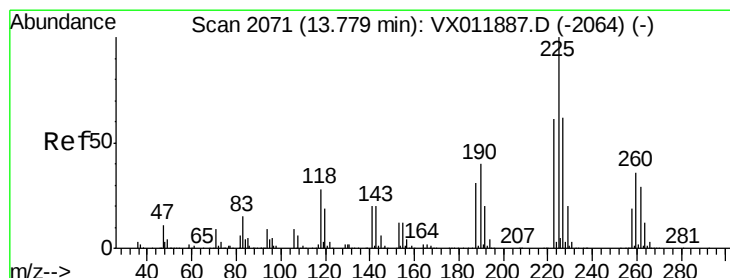
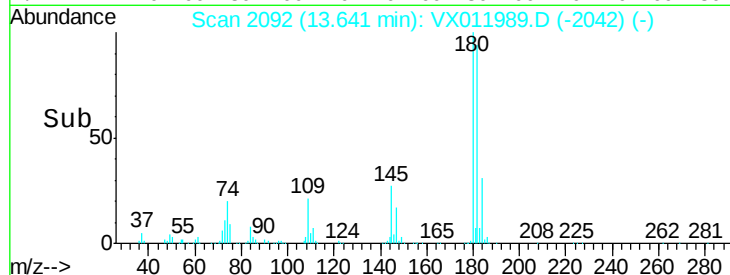
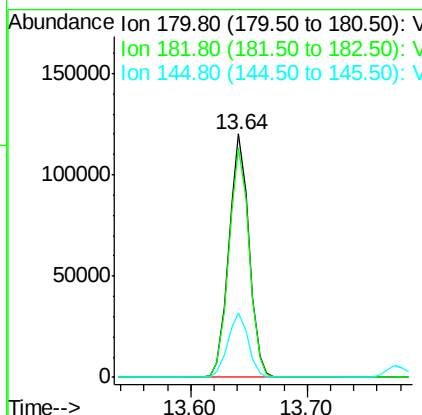
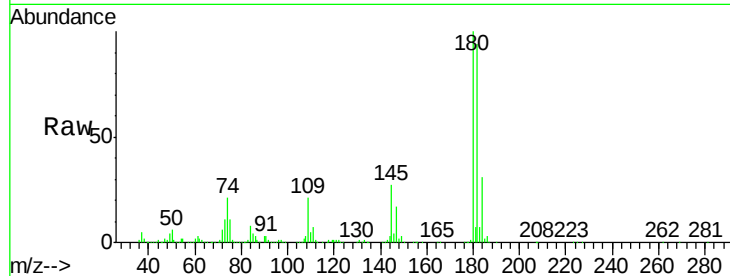
#93
 1,2,4-Trichlorobenzene
 Concen: 20.797 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX011989.D
 Acq: 01 Sep 2019 13:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0901SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	143923		
182	95.6	48.1	144.4	
145	27.0	13.8	41.3	

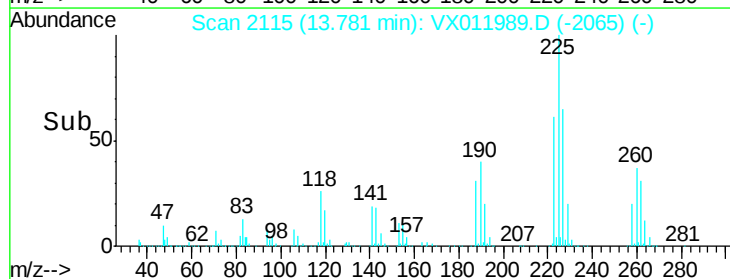
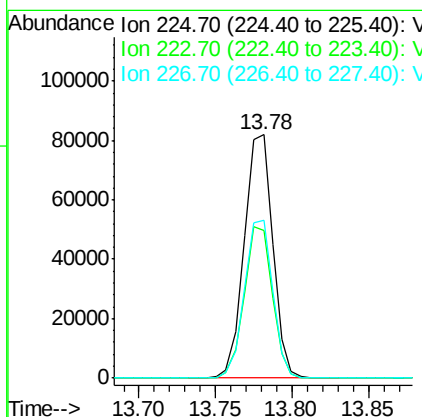
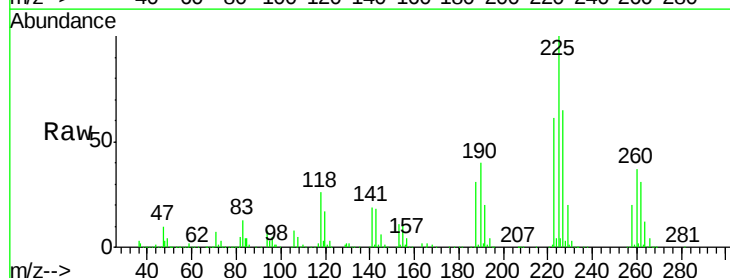
Manual Integrations
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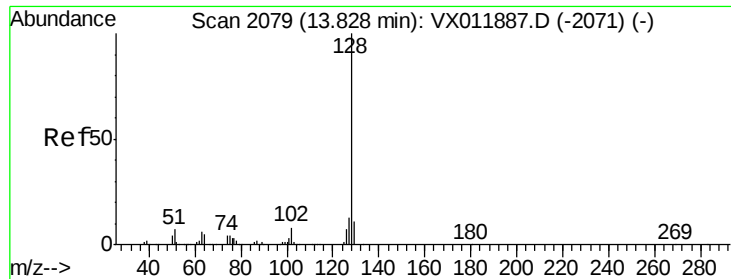
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 9/5/2019 2:04:52 AM



#94
 Hexachlorobutadiene
 Concen: 22.982 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX011989.D
 Acq: 01 Sep 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	106214		
223	61.5	30.8	92.3	
227	64.3	31.9	95.7	





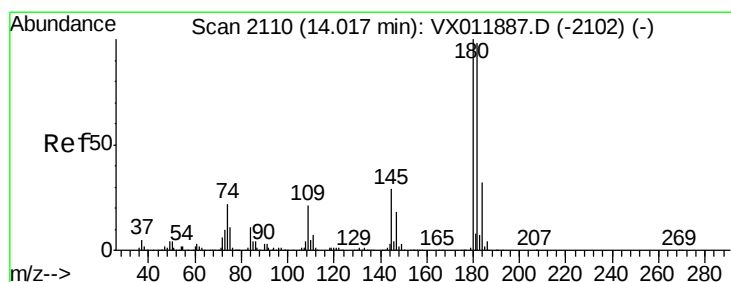
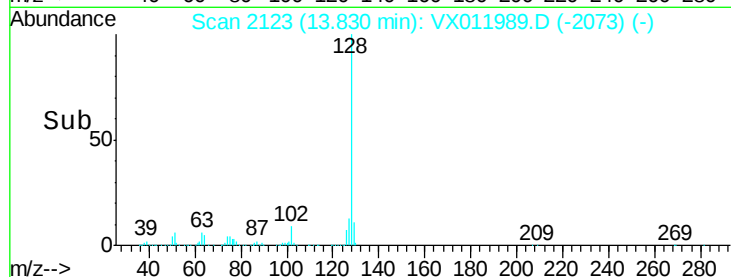
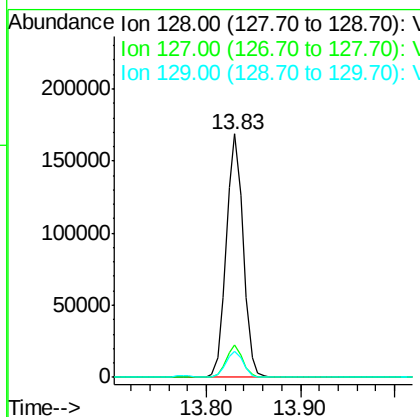
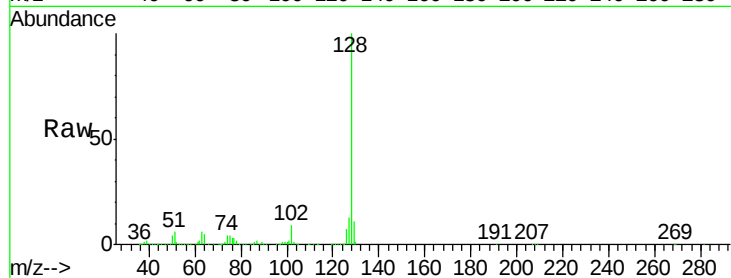
#95
Naphthalene
Concen: 17.651 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	209645		
127	12.9		10.4	15.6
129	11.0		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.011 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX011989.D
Acq: 01 Sep 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	125229		
182	95.9		48.3	144.8
145	28.8		14.6	43.8

