

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082919\
 Data File : VX011889.D
 Acq On : 29 Aug 2019 23:03
 Operator : SY/SP
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:39:19 AM

Quant Time: Aug 30 01:53:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:36:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	356470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	509637	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	484498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	284367	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	491907	147.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.84%	
35) Dibromofluoromethane	5.48	113	468514	148.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.30%	
50) Toluene-d8	8.71	98	1641575	143.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	286.68%	
62) 4-Bromofluorobenzene	11.13	95	686820	135.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	270.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	259032	118.946	ug/l	100
3) Chloromethane	1.31	50	340961	133.303	ug/l	100
4) Vinyl Chloride	1.40	62	323790	133.383	ug/l	99
5) Bromomethane	1.62	94	211876	135.601	ug/l	99
6) Chloroethane	1.70	64	202332	139.826	ug/l	97
7) Trichlorofluoromethane	1.91	101	538002	130.979	ug/l	99
8) Diethyl Ether	2.17	74	191473	140.175	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	346401	143.753	ug/l	99
10) Methyl Iodide	2.49	142	456437	208.634	ug/l	98
11) Tert butyl alcohol	3.04	59	232112	789.165	ug/l	99
12) 1,1-Dichloroethene	2.35	96	339192	142.246	ug/l	99
13) Acrolein	2.28	56	121609	871.860	ug/l	98
14) Allyl chloride	2.71	41	653598	150.703	ug/l	99
15) Acrylonitrile	3.13	53	567846	771.786	ug/l	99
16) Acetone	2.43	43	503326	394.812	ug/l	99
17) Carbon Disulfide	2.55	76	1007145	141.040	ug/l	100
18) Methyl Acetate	2.76	43	316596	117.353	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	1153744	148.290	ug/l	100
20) Methylene Chloride	2.84	84	432300	134.671	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	411941	139.592	ug/l	97
22) Diisopropyl ether	3.84	45	1332241	141.771	ug/l	97
23) Vinyl Acetate	3.80	43	4306245	1049.573	ug/l	99
24) 1,1-Dichloroethane	3.68	63	735487	138.365	ug/l	100
25) 2-Butanone	4.66	43	784295	759.199	ug/l	100
26) 2,2-Dichloropropane	4.57	77	604068	162.177	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	492573	141.290	ug/l	99
28) Bromochloromethane	4.99	49	329137	139.213	ug/l	98
29) Tetrahydrofuran	5.11	42	490832	763.034	ug/l	100
30) Chloroform	5.20	83	791720	138.171	ug/l	99
31) Cyclohexane	5.56	56	537281	124.089	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	694327	143.606	ug/l	99
36) 1,1-Dichloropropene	5.79	75	535781	133.284	ug/l	99
37) Ethyl Acetate	4.82	43	339921	179.436	ug/l	100
38) Carbon Tetrachloride	5.77	117	631804	161.282	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	600241	124.890	ug/l	98
40) Benzene	6.13	78	1649691	137.323	ug/l	100
41) Methacrylonitrile	5.02	41	204372	158.412	ug/l	98
42) 1,2-Dichloroethane	6.18	62	570314	142.273	ug/l	100
43) Isopropyl Acetate	6.43	43	687807	182.202	ug/l	100
44) Trichloroethene	7.20	130	506726	122.154	ug/l	97
45) 1,2-Dichloropropane	7.51	63	432251	141.329	ug/l	99
46) Dibromomethane	7.65	93	264578	144.571	ug/l	99
47) Bromodichloromethane	7.89	83	652091	153.757	ug/l	99
48) Methyl methacrylate	7.76	41	342342	184.344	ug/l	100
49) 1,4-Dioxane	7.73	88	94330	3517.382	ug/l	98
51) 4-Methyl-2-Pentanone	8.63	43	1739460	865.750	ug/l	99
52) Toluene	8.78	92	1087142	138.061	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	677106	204.489	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	742676	175.140	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	379380	152.600	ug/l	99
56) Ethyl methacrylate	9.17	69	543367	210.524	ug/l	99
57) 1,3-Dichloropropane	9.37	76	632760	157.656	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	1295897	1562.025	ug/l	99
59) 2-Hexanone	9.49	43	1248977	946.017	ug/l	99
60) Dibromochloromethane	9.58	129	527541	164.848	ug/l	100
61) 1,2-Dibromoethane	9.66	107	386459	165.697	ug/l	99
64) Tetrachloroethene	9.33	164	508091	105.222	ug/l	97
65) Chlorobenzene	10.13	112	1279029	139.536	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	525891	159.564	ug/l	100
67) Ethyl Benzene	10.25	91	2124307	135.546	ug/l	98
68) m/p-Xylenes	10.35	106	1660725	274.319	ug/l	97
69) o-Xylene	10.69	106	818641	140.948	ug/l	99
70) Styrene	10.71	104	1454780	152.840	ug/l	100
71) Bromoform	10.85	173	397440	177.671	ug/l #	99
73) Isopropylbenzene	11.02	105	2144280	128.644	ug/l	99
74) N-amyl acetate	10.90	43	664211	162.137	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.26	83	463924	168.083	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	385026m	176.129	ug/l	
77) Bromobenzene	11.25	156	655225	139.910	ug/l	98
78) n-propylbenzene	11.36	91	2442050	130.010	ug/l	99
79) 2-Chlorotoluene	11.42	91	1489971	131.404	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1881831	133.868	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	160616	267.021	ug/l	97
82) 4-Chlorotoluene	11.51	91	1773207	131.277	ug/l	99
83) tert-Butylbenzene	11.77	119	1921806	141.008	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1945357	139.024	ug/l	99
85) sec-Butylbenzene	11.94	105	2188994	133.538	ug/l	98
86) p-Isopropyltoluene	12.06	119	2153926	140.872	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	1202591	137.921	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	1203417	138.410	ug/l	100
89) n-Butylbenzene	12.38	91	1876458	139.494	ug/l	100
90) Hexachloroethane	12.59	117	436297	207.566	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	1121903	141.617	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	94915	219.405	ug/l	95

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	966927	152.088	ug/l	100
94) Hexachlorobutadiene	13.78	225	628928	150.150	ug/l	99
95) Naphthalene	13.83	128	1694295	179.900	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	877442	157.863	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 737

Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 356470

Ion Ratio Lower Upper

168 100

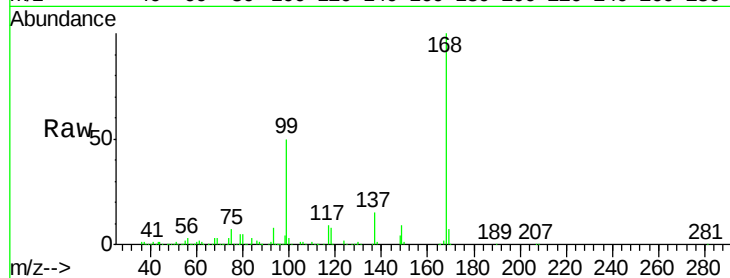
99 49.8 38.4 57.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

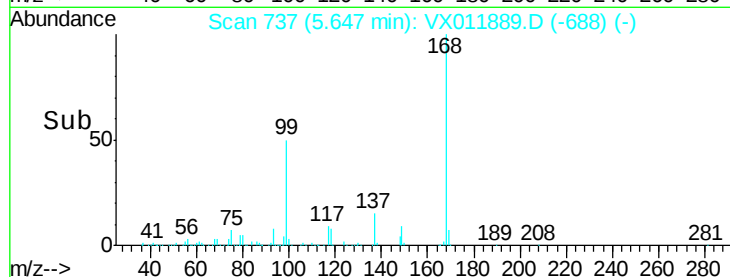
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50000

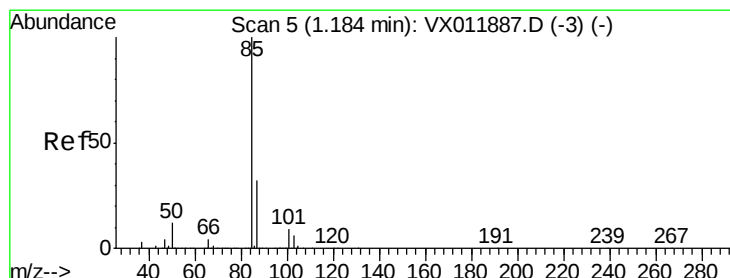
0

5.50 5.60 5.70 5.80

5.65



Time-->



#2

Dichlorodifluoromethane

Concen: 118.946 ug/l

RT: 1.18 min Scan# 5

Delta R.T. 0.00 min

Lab File: VX011889.D

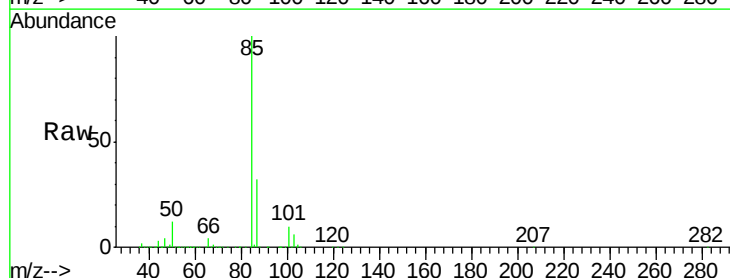
Acq: 29 Aug 2019 23:03

Tgt Ion: 85 Resp: 259032

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

250000

200000

150000

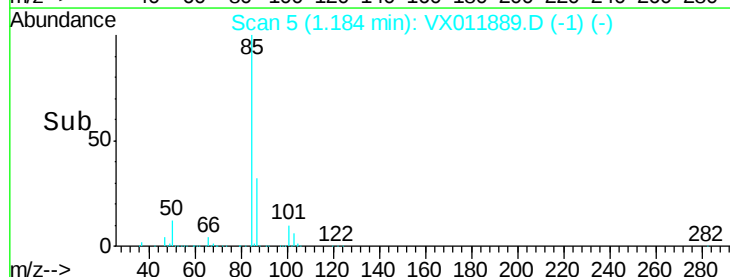
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50000

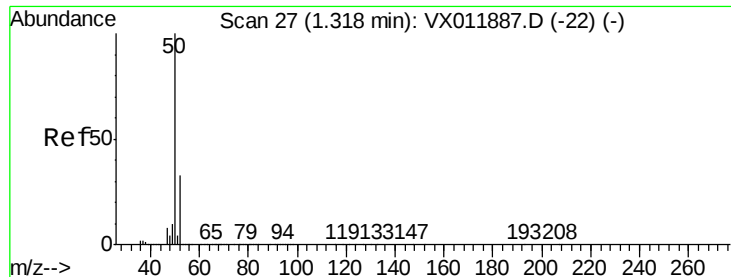
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1.15 1.20 1.25 1.30

1.18



Time-->



#3

Chloromethane

Concen: 133.303 ug/l

RT: 1.31 min Scan# 26

Delta R.T. -0.01 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 340961

Ion Ratio Lower Upper

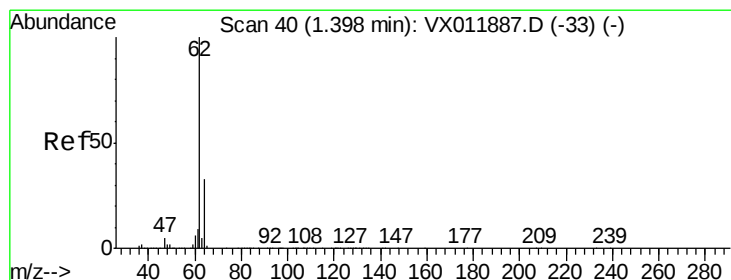
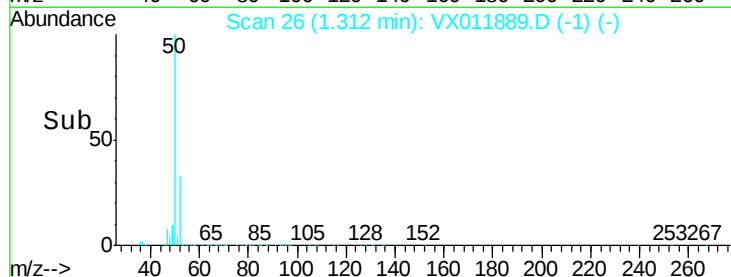
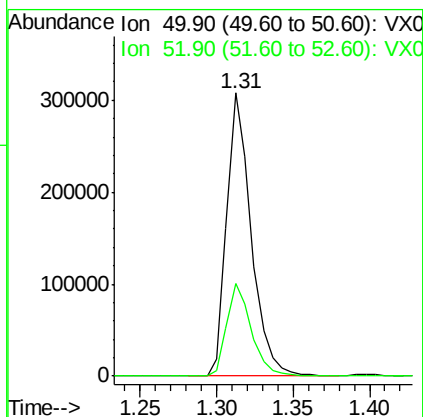
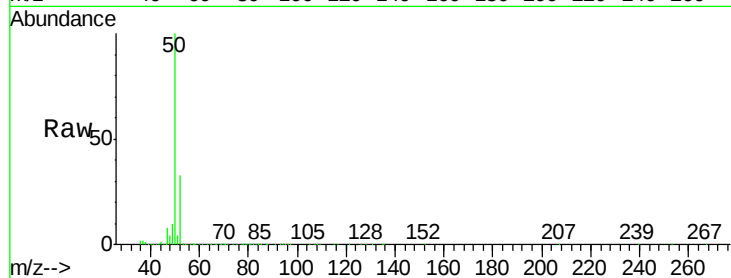
50 100

52 32.7 26.0 39.0

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#4

Vinyl Chloride

Concen: 133.383 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011889.D

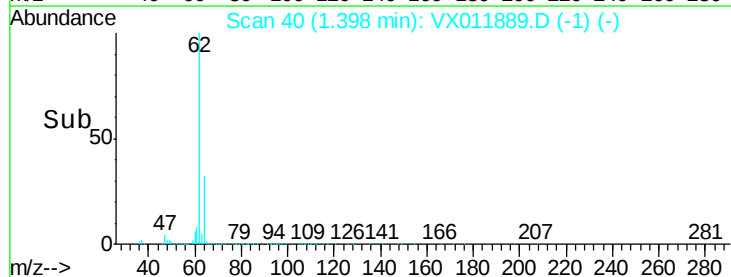
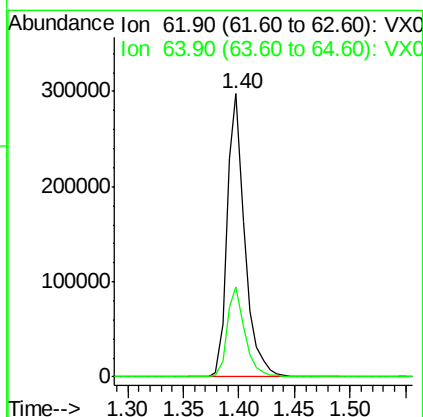
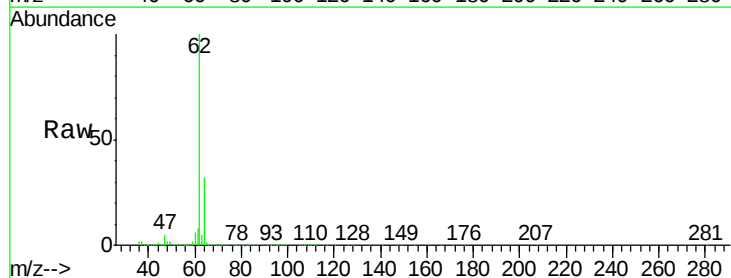
Acq: 29 Aug 2019 23:03

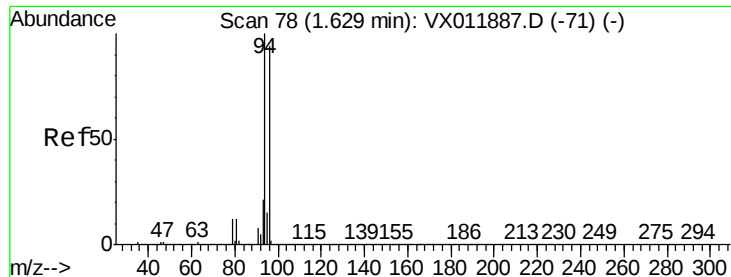
Tgt Ion: 62 Resp: 323790

Ion Ratio Lower Upper

62 100

64 31.9 26.0 39.0





#5

Bromomethane

Concen: 135.601 ug/l

RT: 1.62 min Scan# 77

Delta R.T. -0.01 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 211876

Ion Ratio Lower Upper

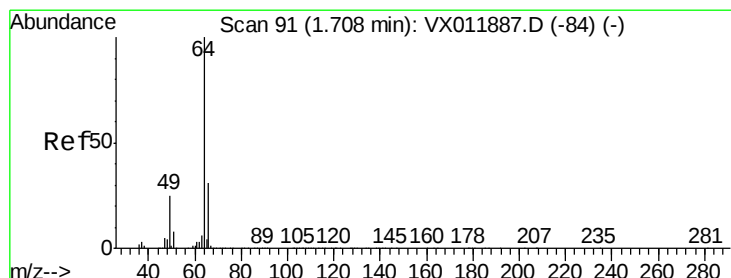
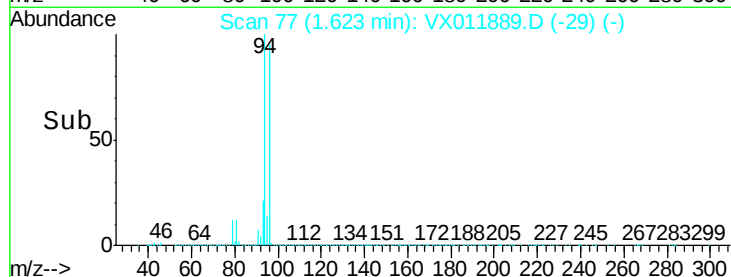
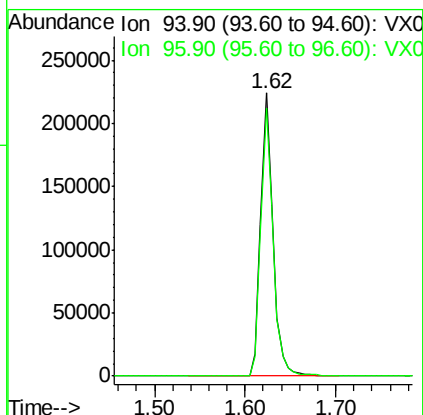
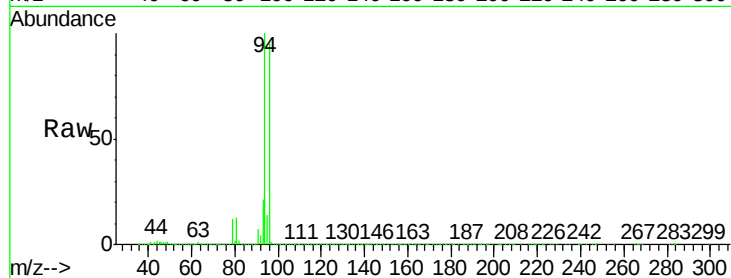
94 100

96 94.9 75.0 112.6

Manual Integrations
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#6

Chloroethane

Concen: 139.826 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX011889.D

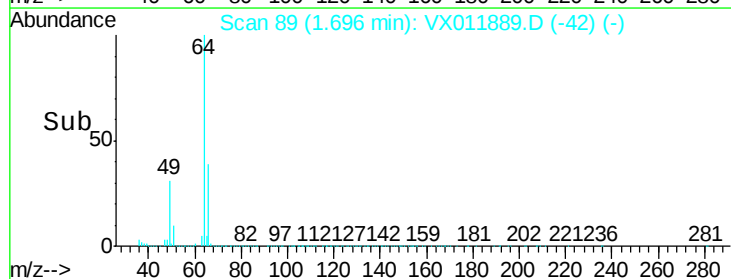
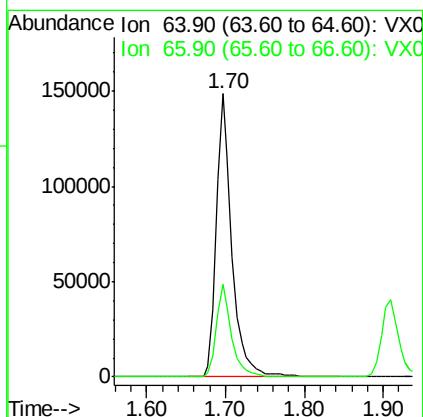
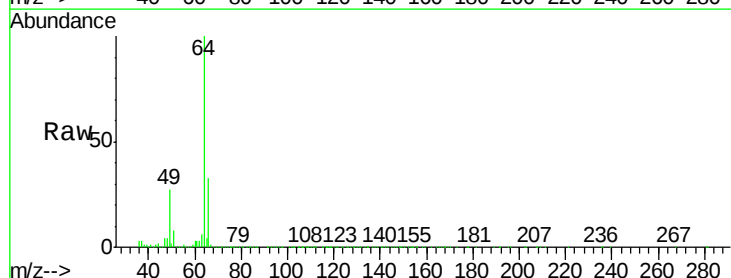
Acq: 29 Aug 2019 23:03

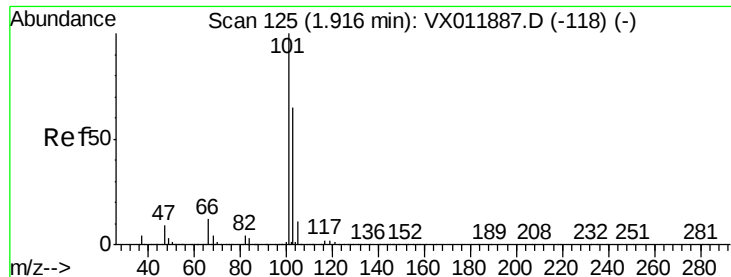
Tgt Ion: 64 Resp: 202332

Ion Ratio Lower Upper

64 100

66 32.8 25.0 37.4





#7

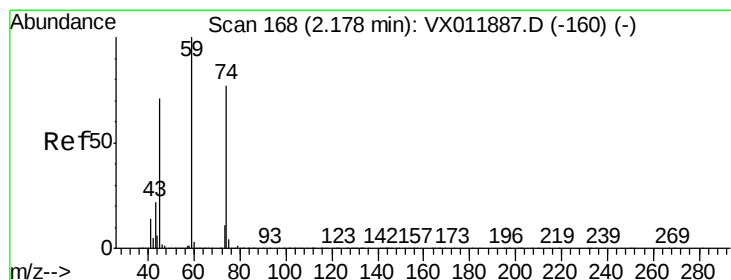
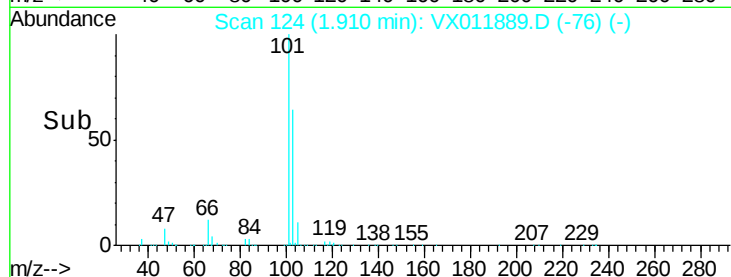
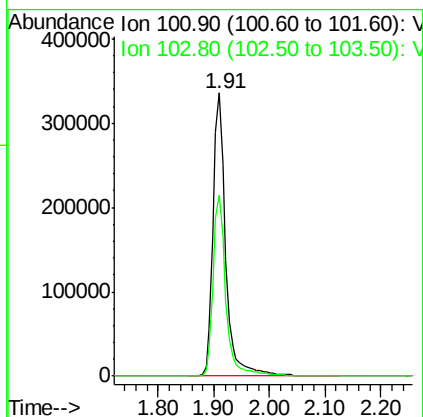
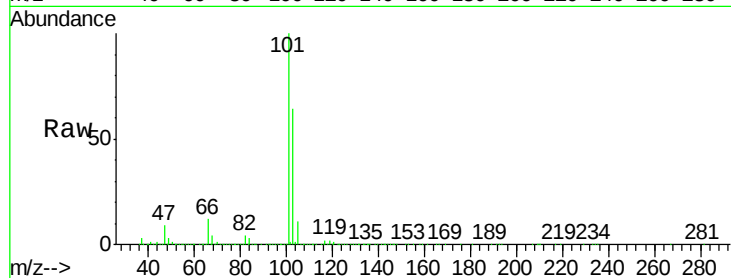
Trichlorofluoromethane
Concen: 130.979 ug/l
RT: 1.91 min Scan# 124
Delta R.T. -0.01 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

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ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	538002		
103	64.1	51.6	77.4	

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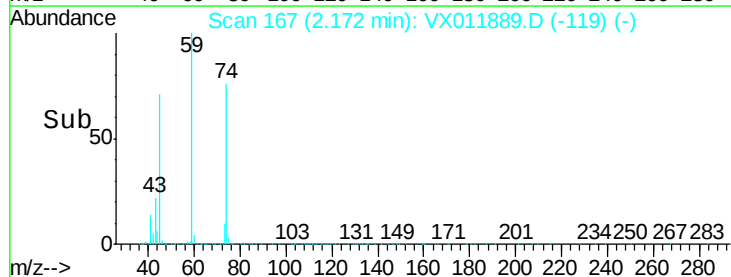
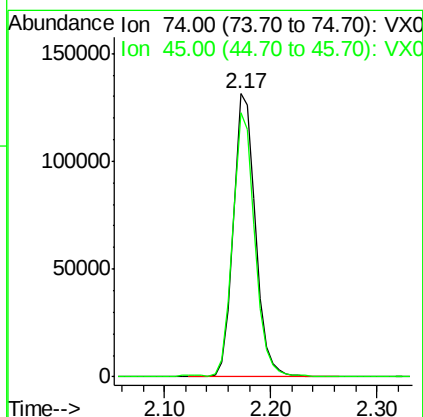
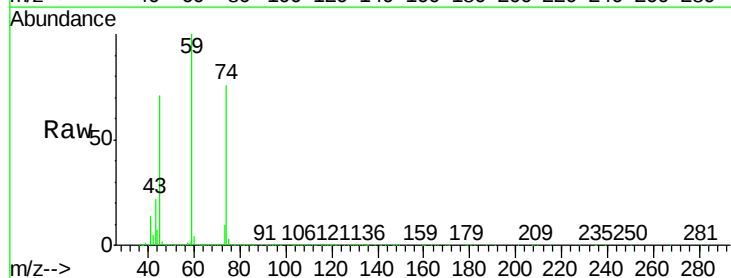
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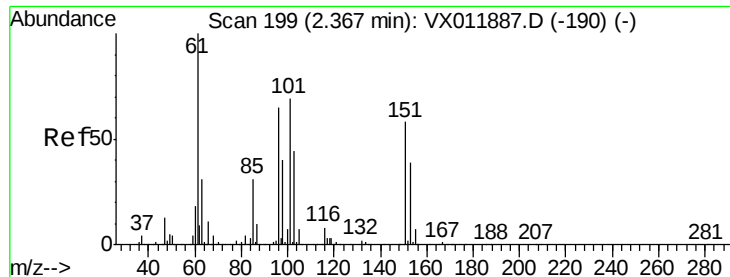


#8

Diethyl Ether
Concen: 140.175 ug/l
RT: 2.17 min Scan# 167
Delta R.T. -0.01 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	191473		
45	92.9	46.7	140.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 143.753 ug/l

RT: 2.36 min Scan# 198

Delta R.T. -0.01 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Instrument :

MSVOA_X

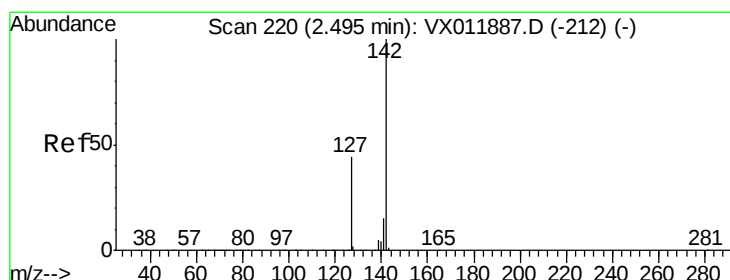
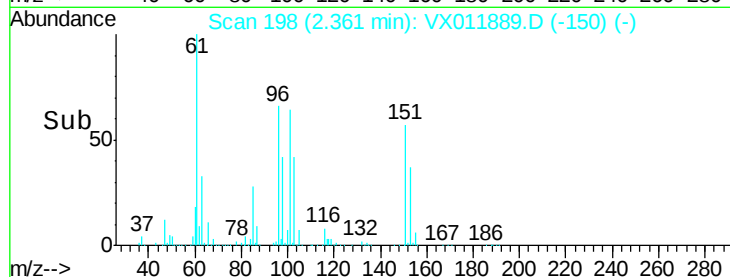
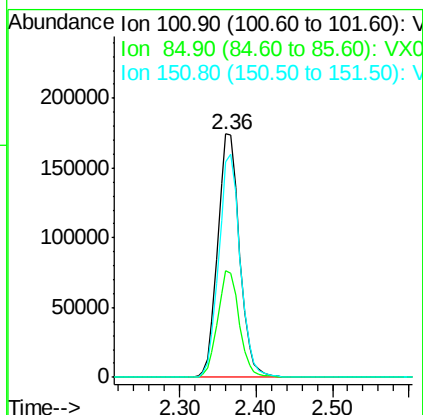
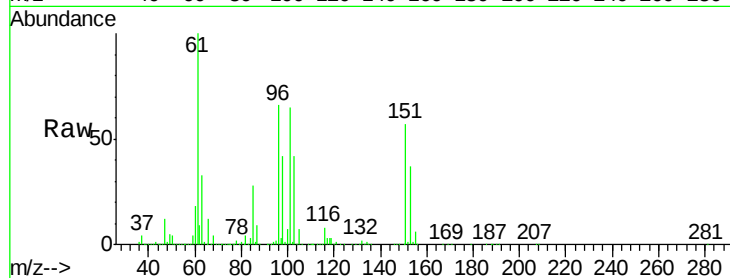
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	346401
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.9	52.3
151	89.9	70.9	106.3

Manual Integrations
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9/3/2019 2:39:19 AM



#10

Methyl Iodide

Concen: 208.634 ug/l

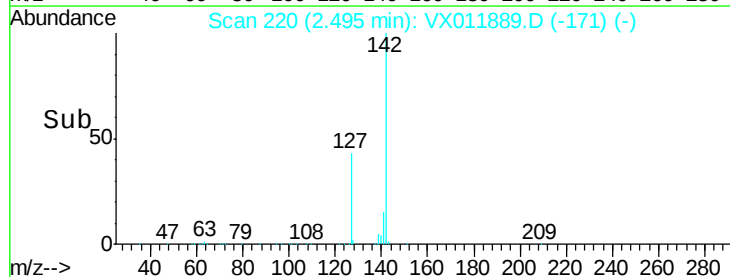
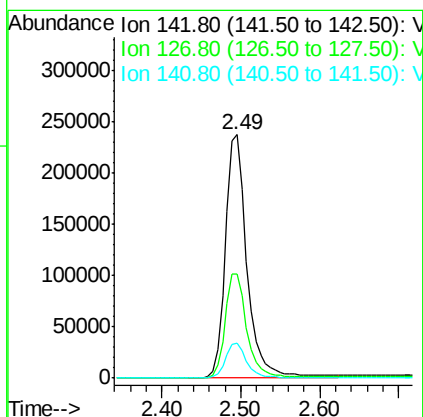
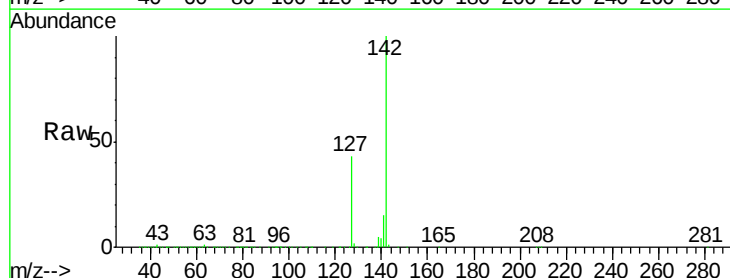
RT: 2.49 min Scan# 220

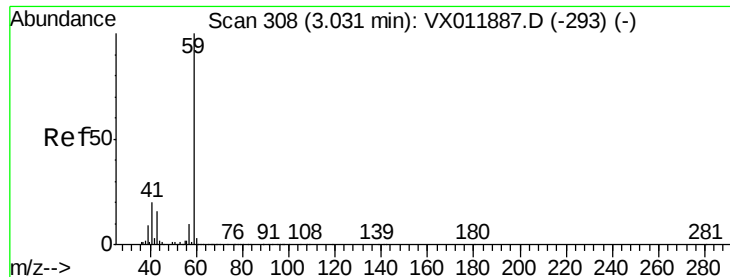
Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Tgt Ion:	142	Resp:	456437
Ion Ratio	Lower	Upper	
142	100		
127	43.4	35.7	53.5
141	14.3	11.8	17.6





#11

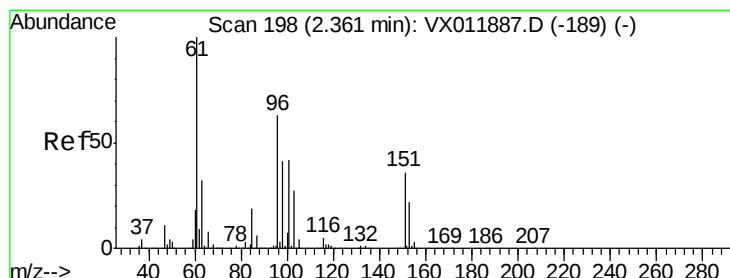
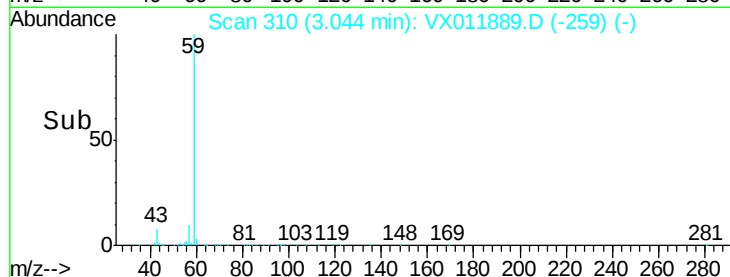
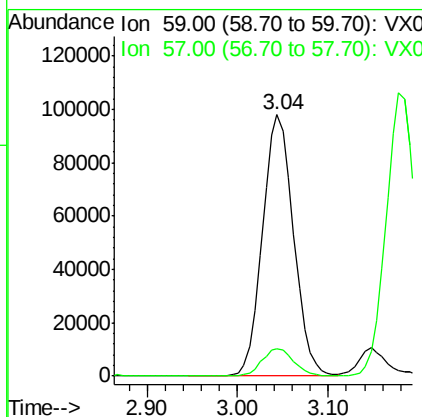
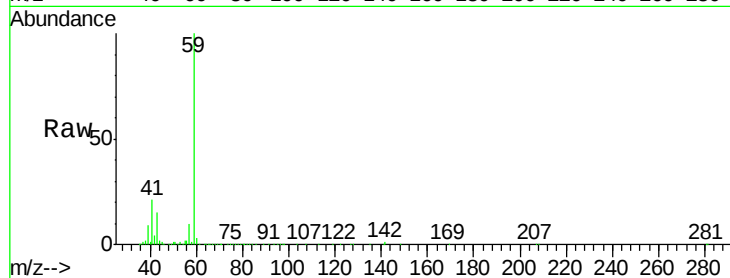
Tert butyl alcohol
Concen: 789.165 ug/l
RT: 3.04 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.6	12.8

Manual Integrations
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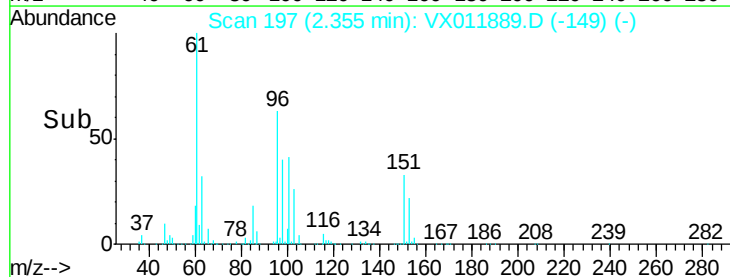
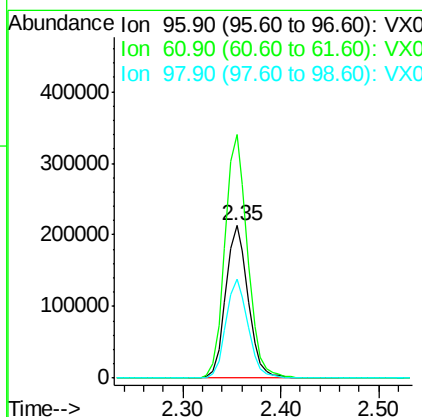
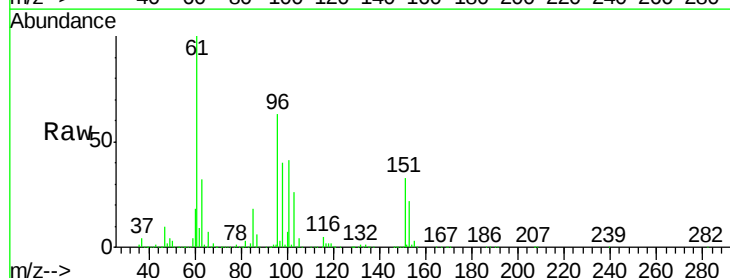
MMDadoda
9/3/2019 2:39:19 AM

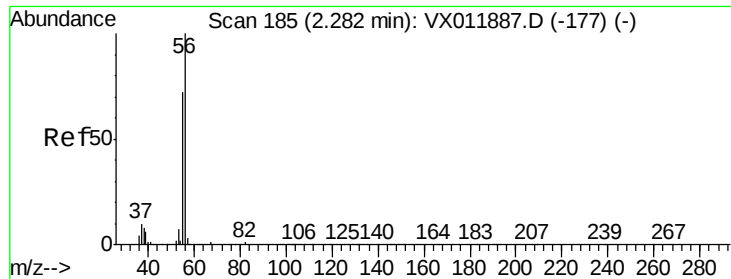


#12

1,1-Dichloroethene
Concen: 142.246 ug/l
RT: 2.35 min Scan# 197
Delta R.T. -0.01 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.7	126.6	190.0
98	64.6	51.6	77.4





#13

Acrolein

Concen: 871.860 ug/l

RT: 2.28 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 121609

Ion Ratio Lower Upper

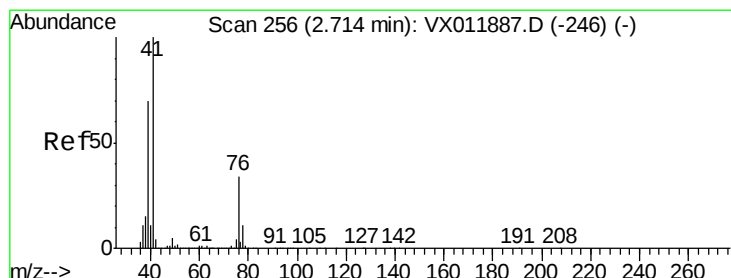
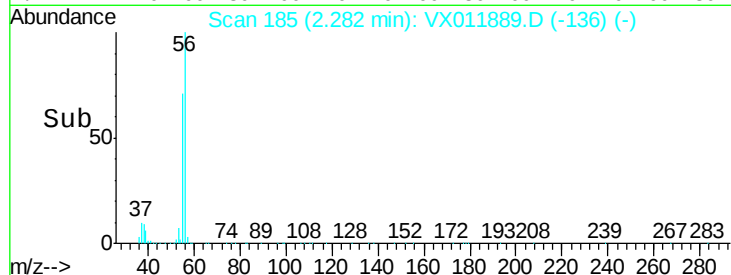
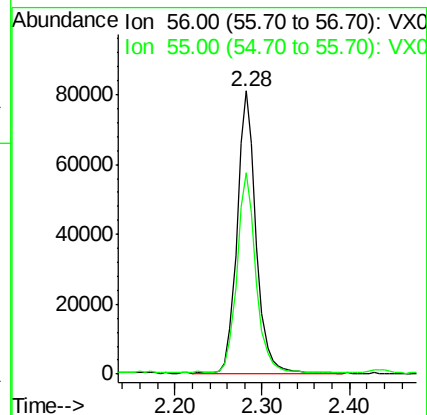
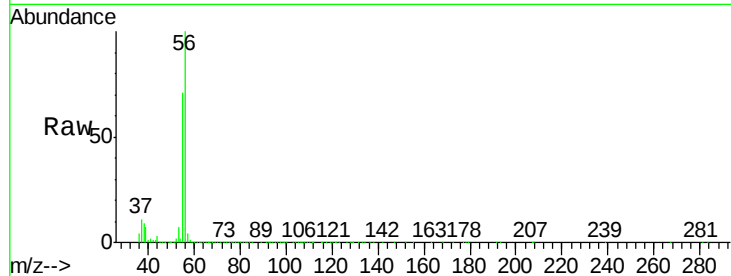
56 100

55 71.4 58.6 88.0

Manual Integrations
APPROVED

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#14

Allyl chloride

Concen: 150.703 ug/l

RT: 2.71 min Scan# 255

Delta R.T. -0.01 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

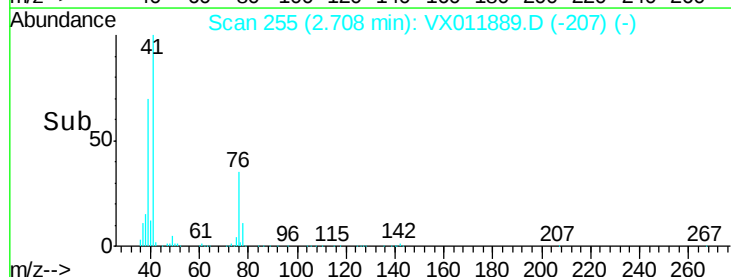
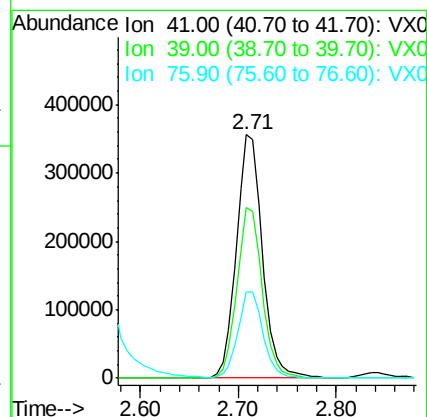
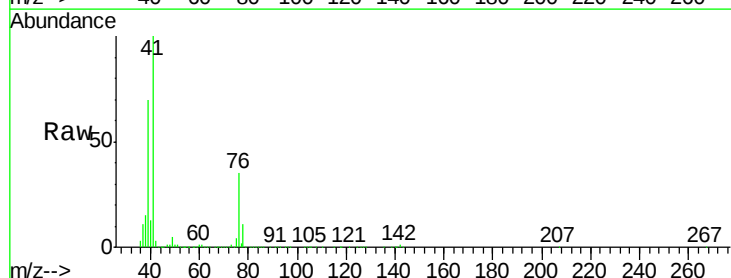
Tgt Ion: 41 Resp: 653598

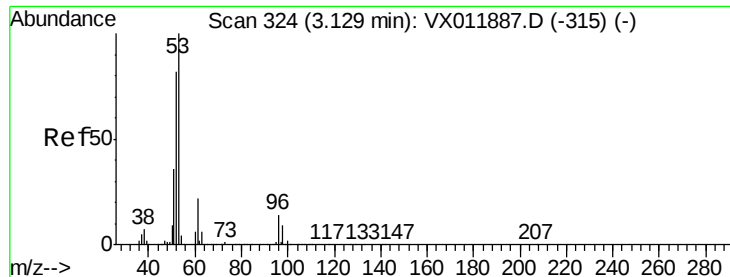
Ion Ratio Lower Upper

41 100

39 68.2 55.0 82.6

76 34.6 27.0 40.4





#15

Acrylonitrile

Concen: 771.786 ug/l

RT: 3.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Instrument :

MSVOA_X

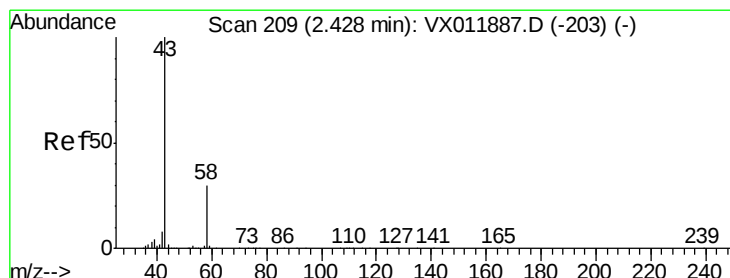
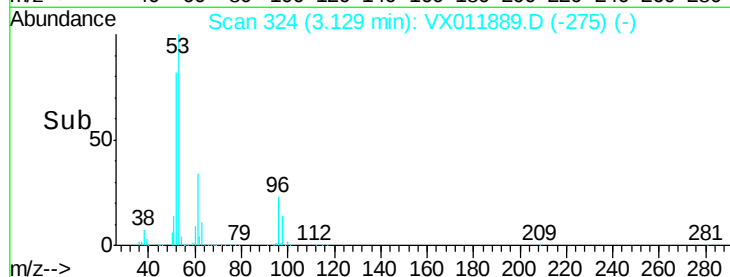
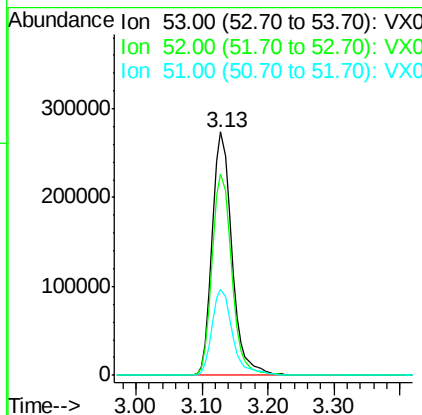
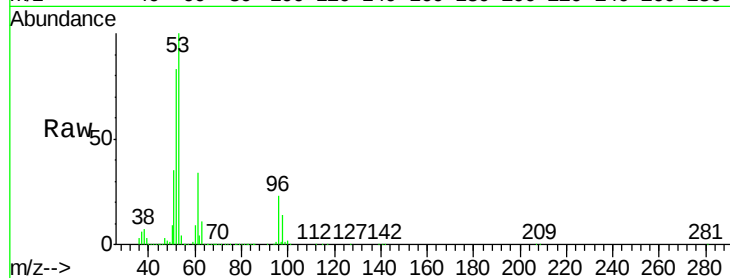
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	567846
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.3	97.9
51	36.5	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 394.812 ug/l

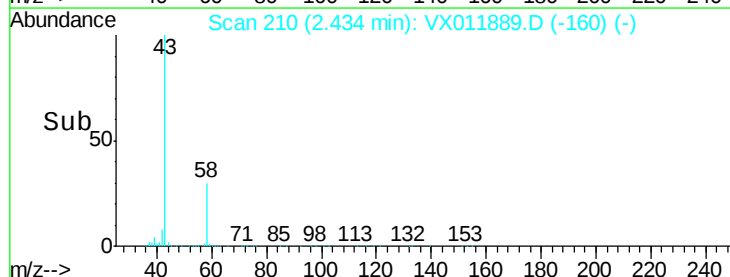
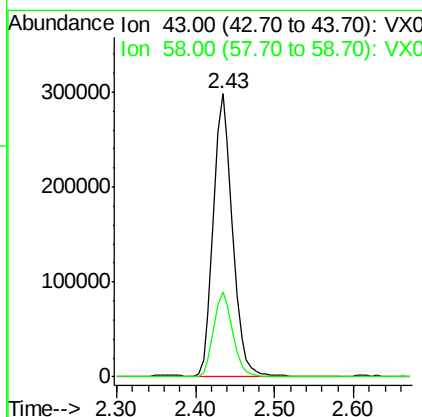
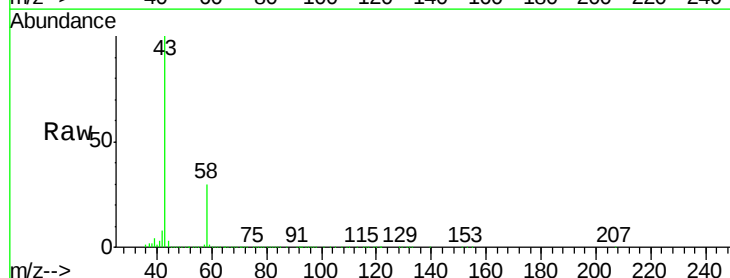
RT: 2.43 min Scan# 210

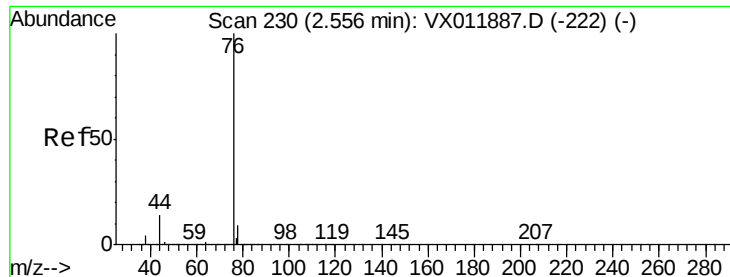
Delta R.T. 0.01 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Tgt Ion:	43	Resp:	503326
Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.8	35.8





#17

Carbon Disulfide

Concen: 141.040 ug/l

RT: 2.55 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1007145

Ion Ratio Lower Upper

76 100

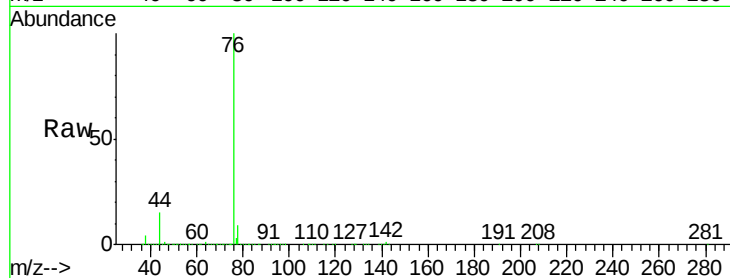
78 9.1 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

600000

500000

400000

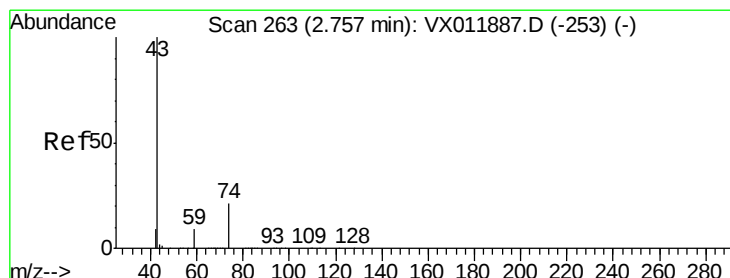
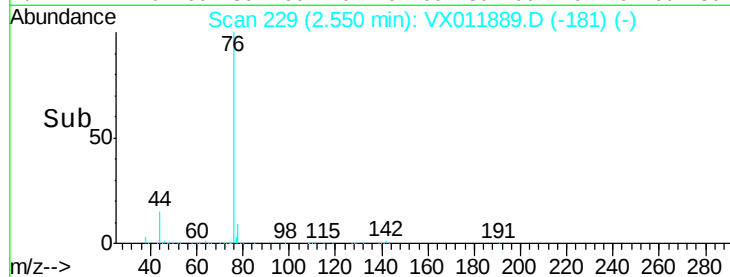
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 117.353 ug/l

RT: 2.76 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX011889.D

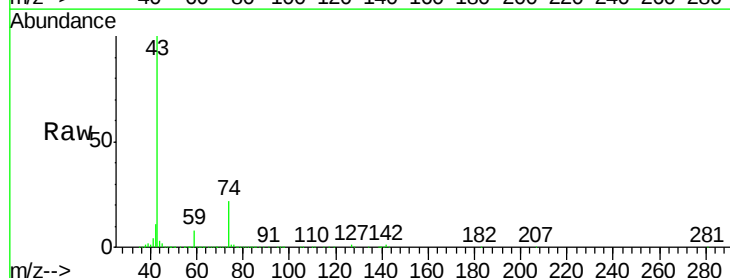
Acq: 29 Aug 2019 23:03

Tgt Ion: 43 Resp: 316596

Ion Ratio Lower Upper

43 100

74 24.0 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

200000

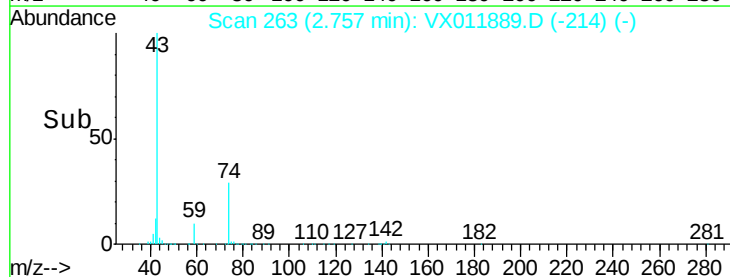
150000

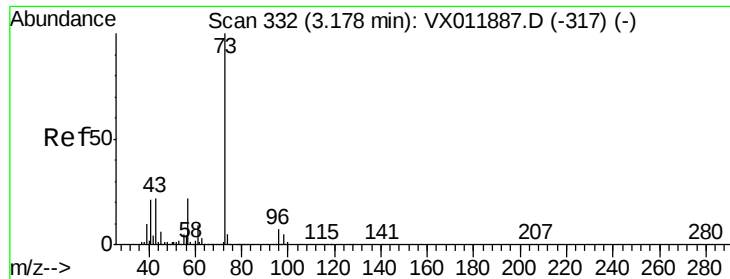
100000

50000

0

Time-->





#19

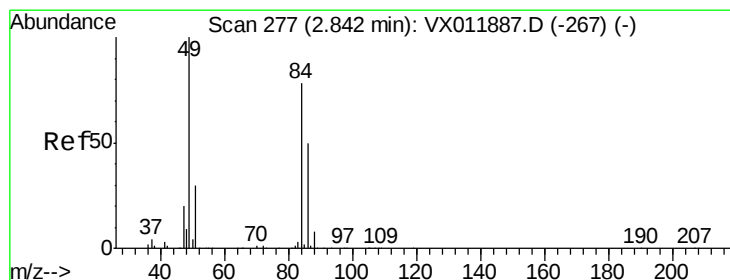
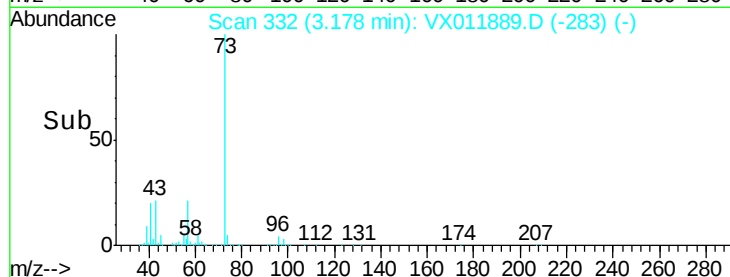
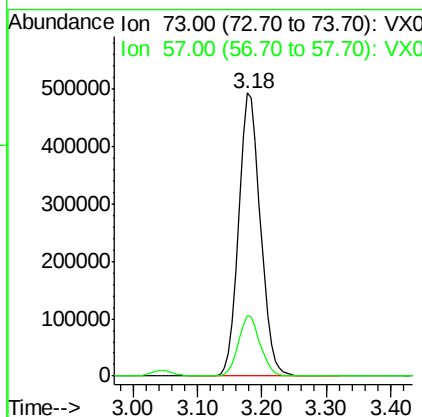
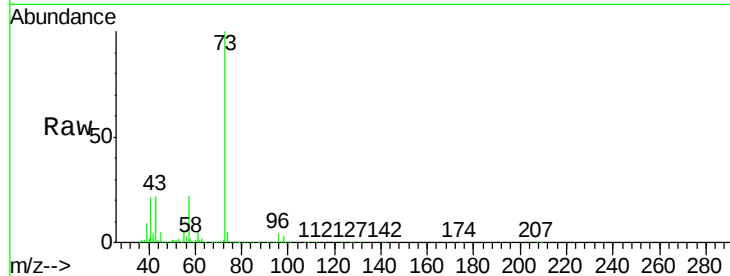
Methyl tert-butyl Ether
 Concen: 148.290 ug/l
 RT: 3.18 min Scan# 332
 Delta R.T. 0.00 min
 Lab File: VX011889.D
 Acq: 29 Aug 2019 23:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 73 Resp: 1153744
 Ion Ratio Lower Upper
 73 100
 57 21.5 17.4 26.0

Manual Integrations
 APPROVED

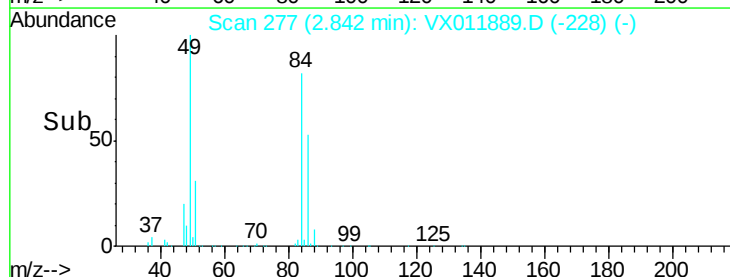
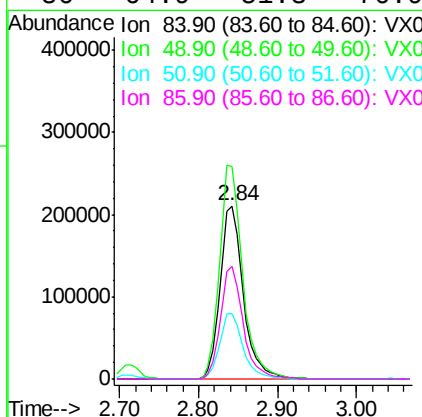
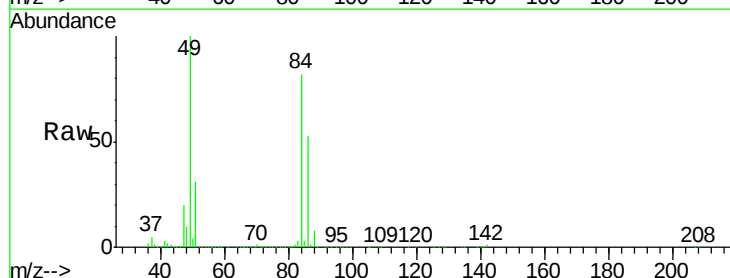
MMDadoda
 9/3/2019 2:39:19 AM

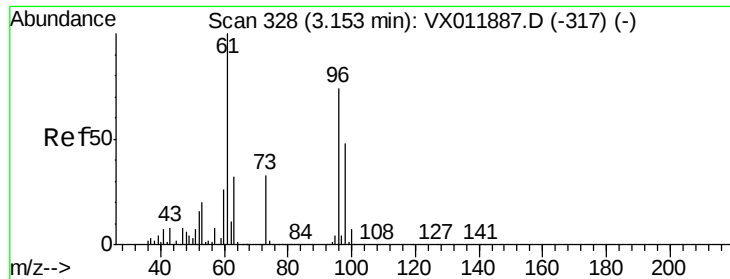


#20

Methylene Chloride
 Concen: 134.671 ug/l
 RT: 2.84 min Scan# 277
 Delta R.T. 0.00 min
 Lab File: VX011889.D
 Acq: 29 Aug 2019 23:03

Tgt Ion: 84 Resp: 432300
 Ion Ratio Lower Upper
 84 100
 49 122.5 103.0 154.4
 51 37.7 30.8 46.2
 86 64.9 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 139.592 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Instrument :

MSVOA_X

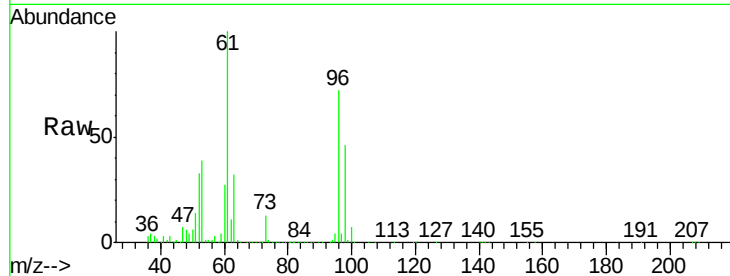
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	411941
Ion	Ratio	Lower	Upper
96	100		
61	138.4	107.4	161.2
98	63.3	51.4	77.2

Manual Integrations
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MMDadoda
9/3/2019 2:39:19 AM

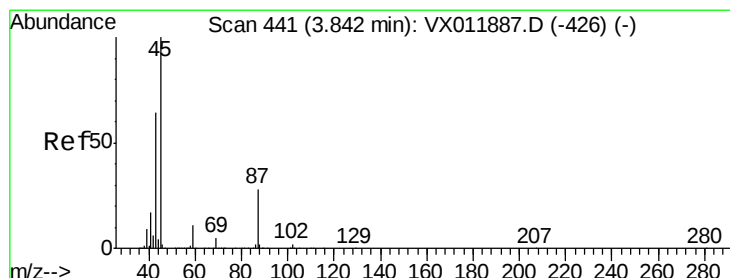
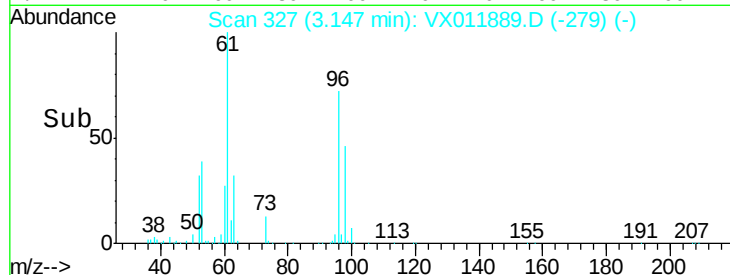
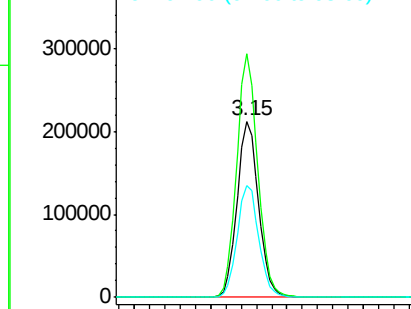


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 141.771 ug/l

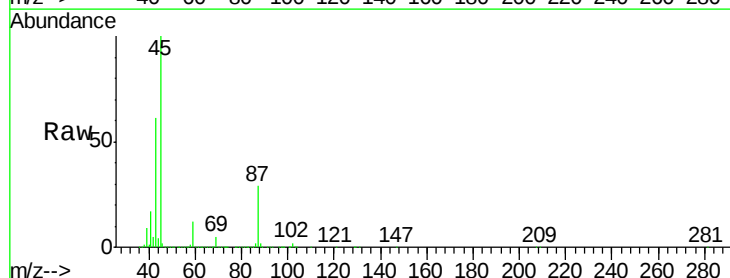
RT: 3.84 min Scan# 441

Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Tgt Ion:	45	Resp:	1332241
Ion	Ratio	Lower	Upper
45	100		
43	60.7	51.0	76.6
87	28.8	22.0	33.0
59	11.5	9.1	13.7



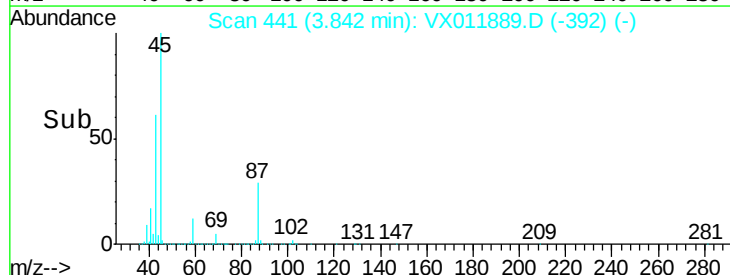
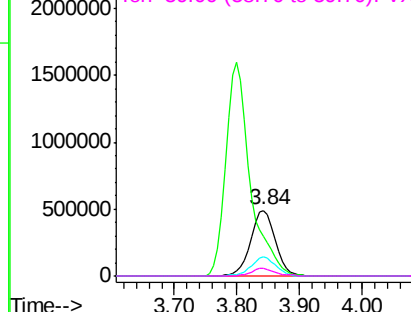
Abundance

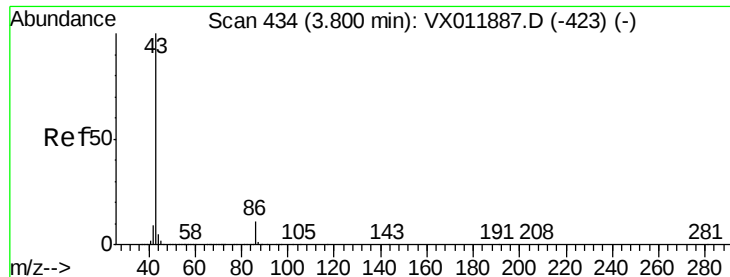
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 1049.573 ug/l

RT: 3.80 min Scan# 434

Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 4306245

Ion Ratio Lower Upper

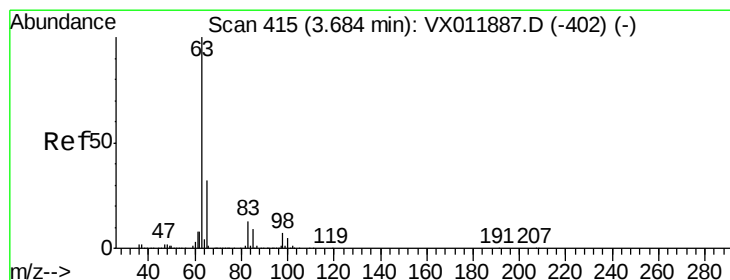
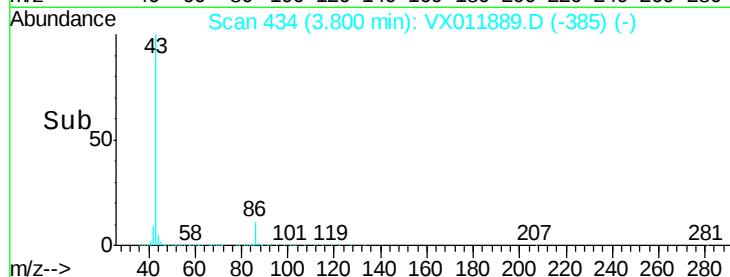
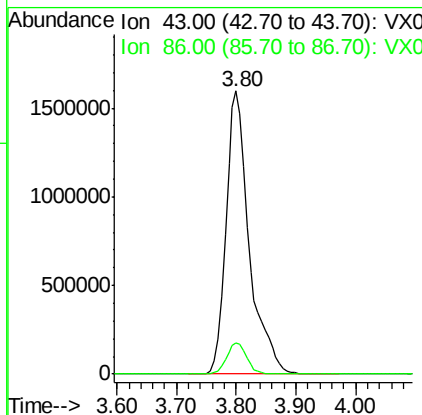
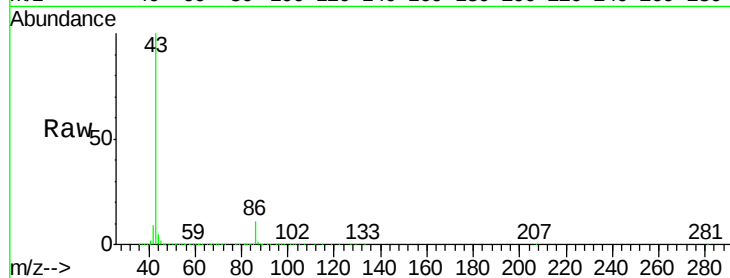
43 100

86 11.2 8.6 12.8

Manual Integrations
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MMDadoda

9/3/2019 2:39:19 AM



#24

1,1-Dichloroethane

Concen: 138.365 ug/l

RT: 3.68 min Scan# 414

Delta R.T. -0.01 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

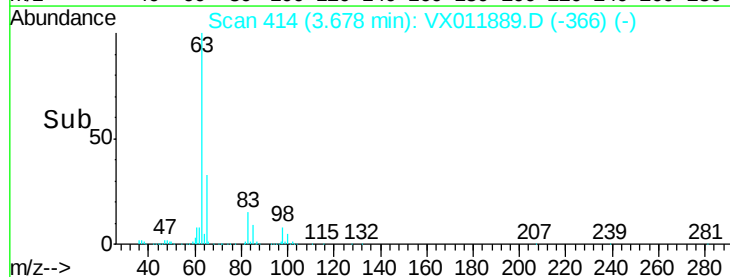
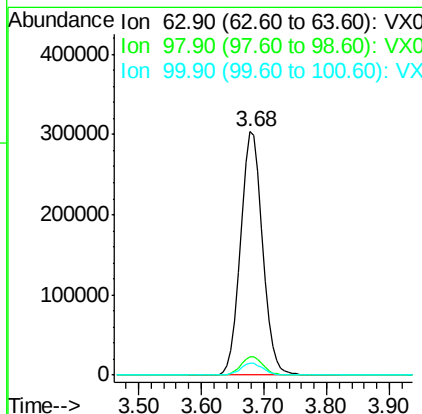
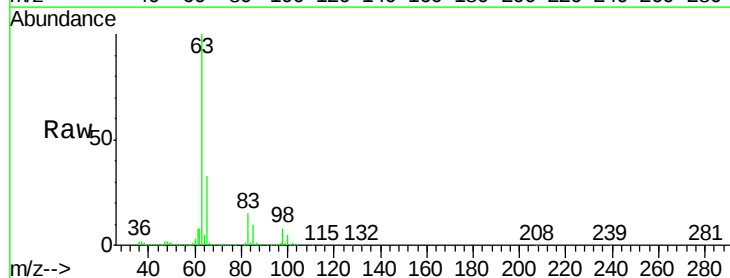
Tgt Ion: 63 Resp: 735487

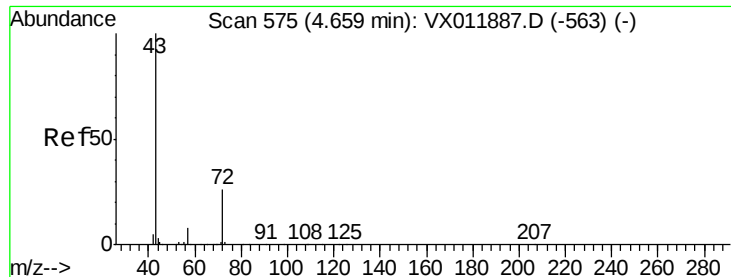
Ion Ratio Lower Upper

63 100

98 7.7 3.8 11.2

100 4.9 2.4 7.2





#25

2-Butanone

Concen: 759.199 ug/l

RT: 4.66 min Scan# 575

Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Tot Ion: 43 Resp: 784295

Ion Ratio Lower Upper

43 100

72 26.1 21.0 31.4

Instrument :

MSVOA_X

ClientSampleId :

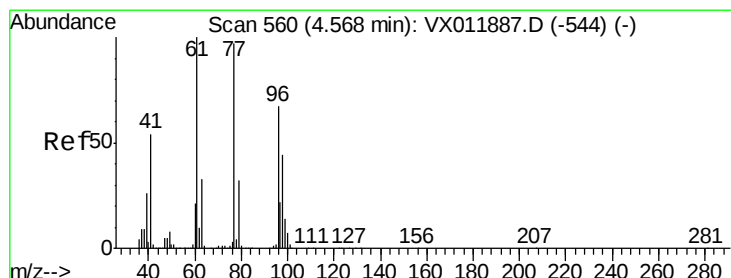
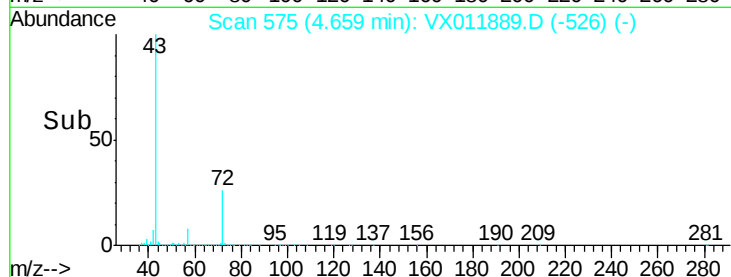
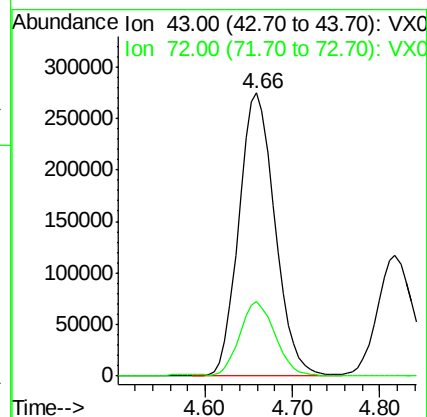
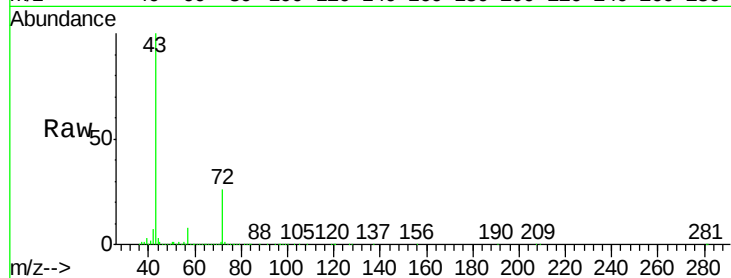
VSTDIC150

Manual Integrations

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MMDadoda

9/3/2019 2:39:19 AM



#26

2,2-Dichloropropane

Concen: 162.177 ug/l

RT: 4.57 min Scan# 560

Delta R.T. 0.00 min

Lab File: VX011889.D

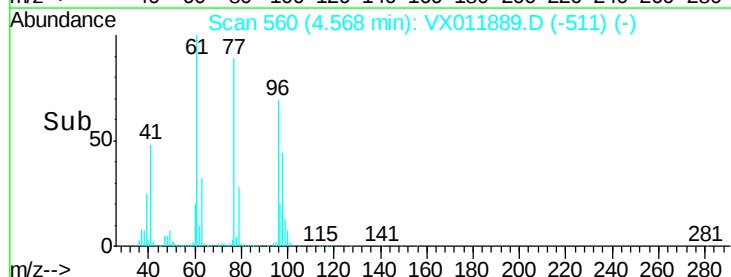
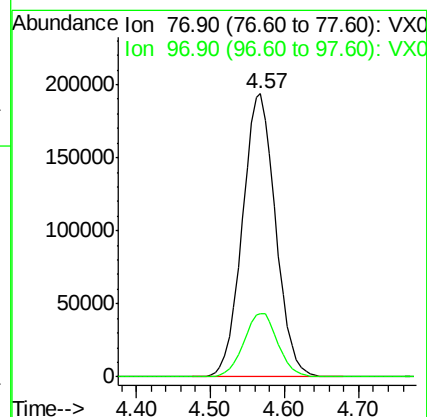
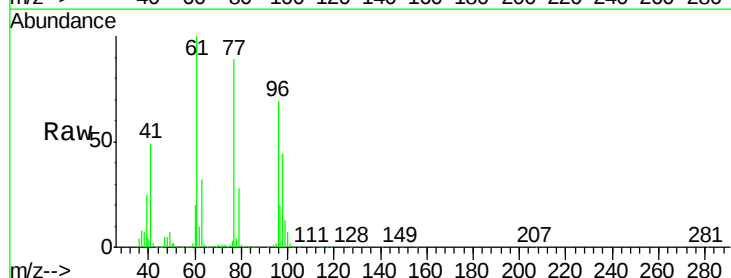
Acq: 29 Aug 2019 23:03

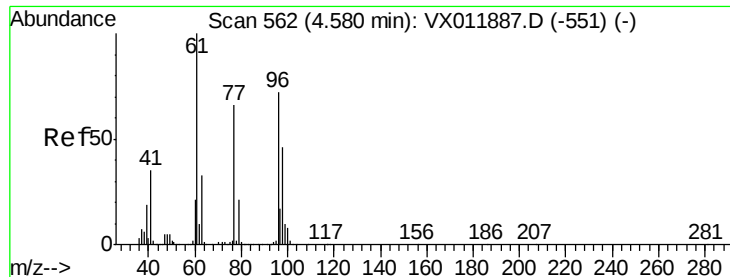
Tgt Ion: 77 Resp: 604068

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.1





#27

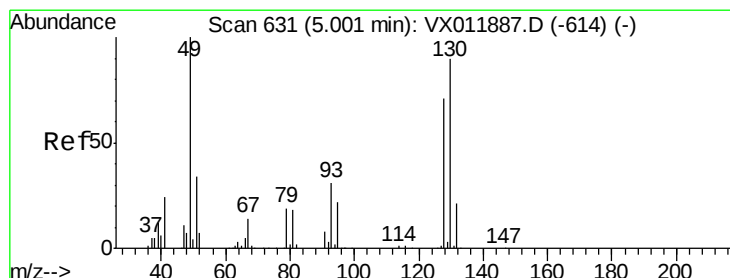
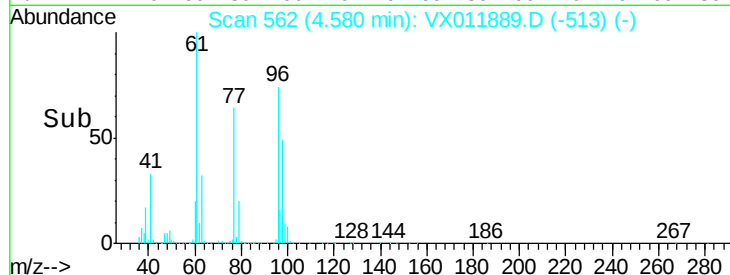
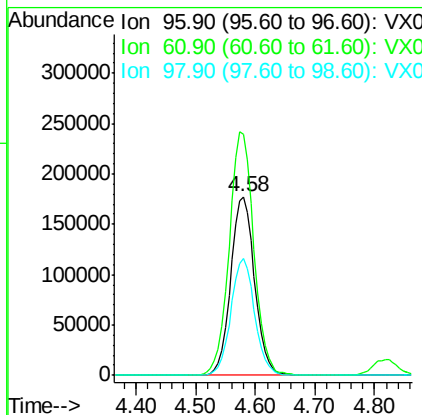
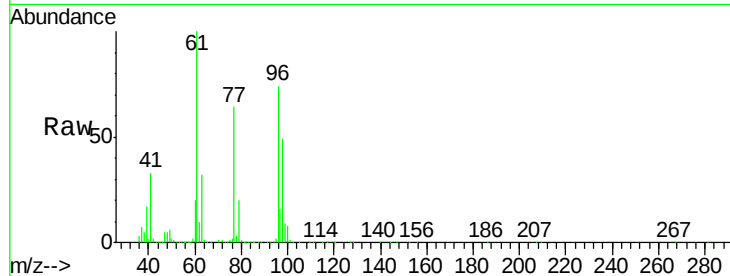
cis-1,2-Dichloroethene
Concen: 141.290 ug/l
RT: 4.58 min Scan# 562
Delta R.T. 0.00 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	492573		
61	141.3	0.0	283.8	
98	65.2	0.0	131.2	

Manual Integrations
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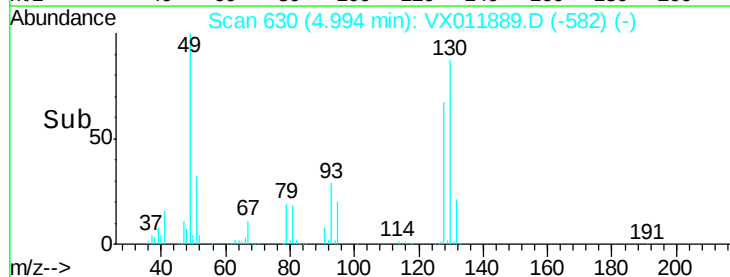
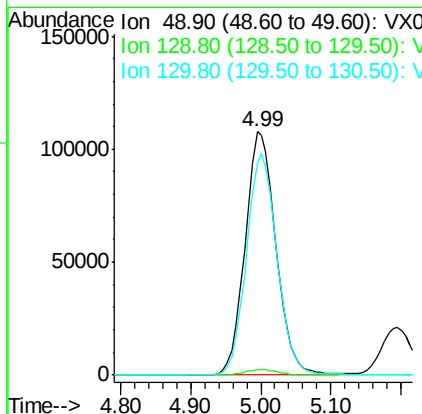
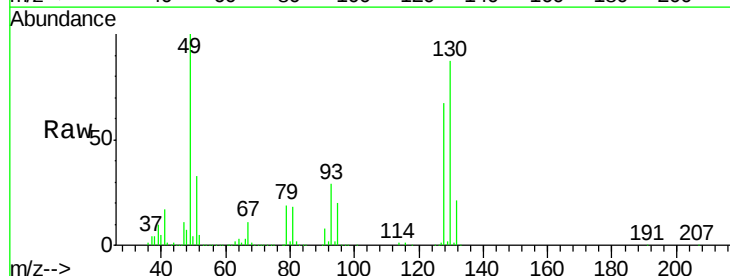
MMDadoda
9/3/2019 2:39:19 AM

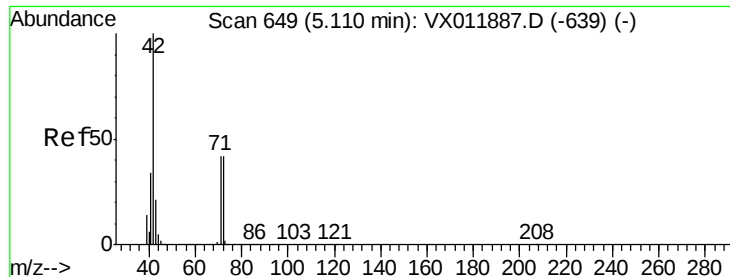


#28

Bromochloromethane
Concen: 139.213 ug/l
RT: 4.99 min Scan# 630
Delta R.T. -0.01 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	329137		
129	2.4	0.0	4.8	
130	90.5	70.6	105.8	





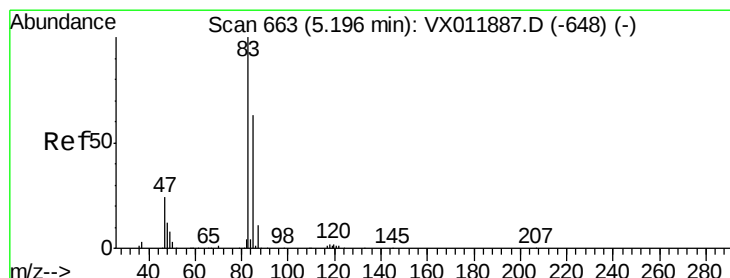
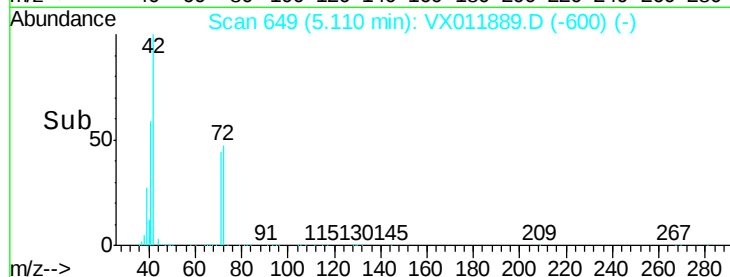
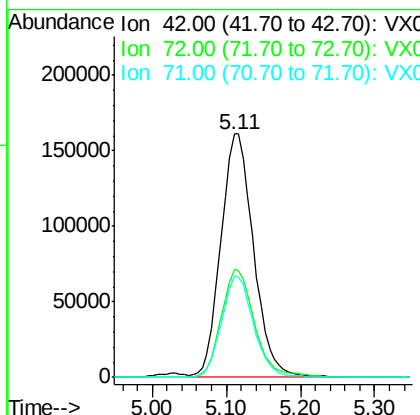
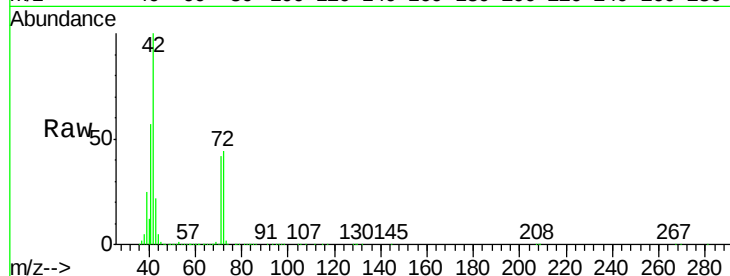
#29
Tetrahydrofuran
Concen: 763.034 ug/l
RT: 5.11 min Scan# 649
Delta R.T. 0.00 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
42	100	490832		
72	45.3		36.2	54.4
71	41.0		33.1	49.7

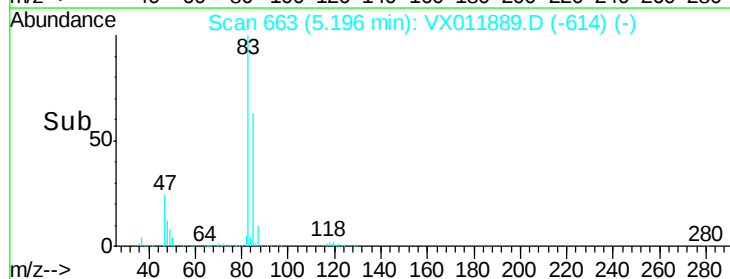
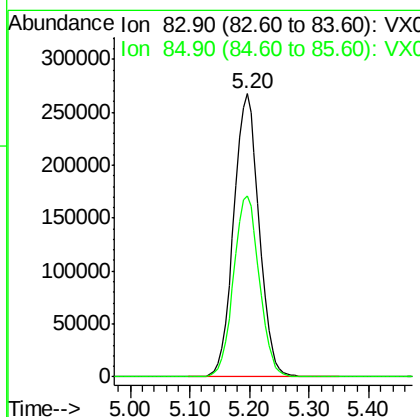
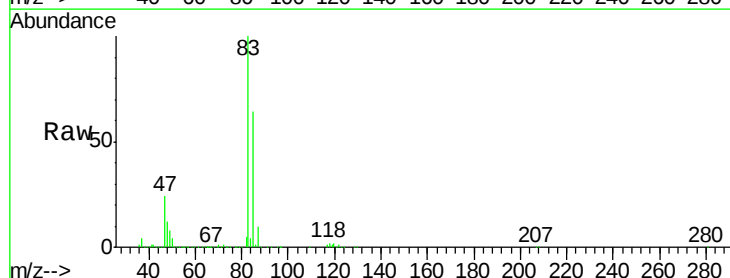
Manual Integrations
APPROVED

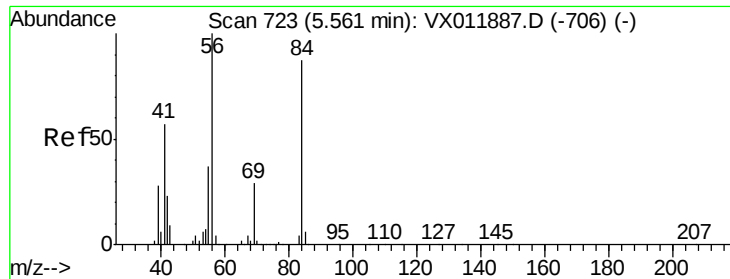
MMDadoda
9/3/2019 2:39:19 AM



#30
Chloroform
Concen: 138.171 ug/l
RT: 5.20 min Scan# 663
Delta R.T. 0.00 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	791720		
85	64.1		50.6	75.8





#31

Cyclohexane

Concen: 124.089 ug/l

RT: 5.56 min Scan# 723

Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Instrument :

MSVOA_X

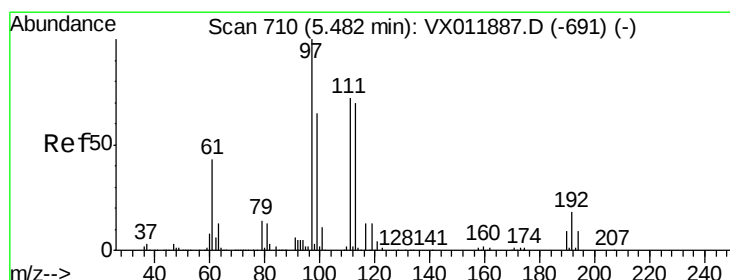
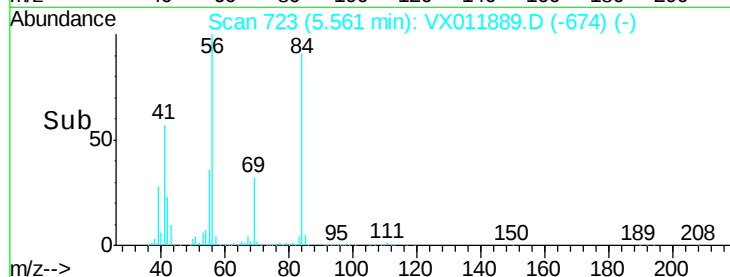
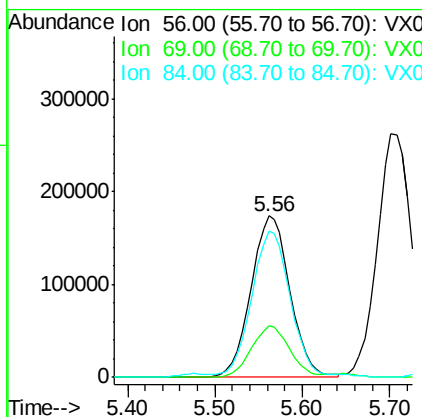
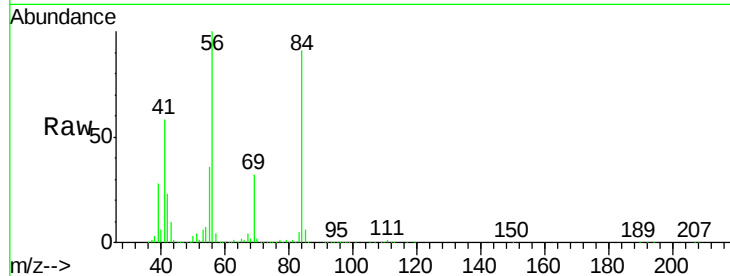
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	31.6	23.1	34.7	
84	89.4	69.6	104.4	

Manual Integrations
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MMDadoda
9/3/2019 2:39:19 AM



#32

1,1,1-Trichloroethane

Concen: 143.606 ug/l

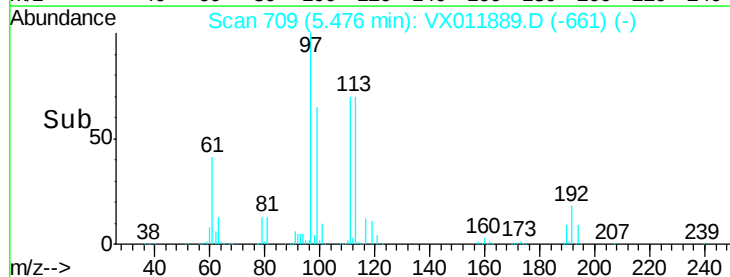
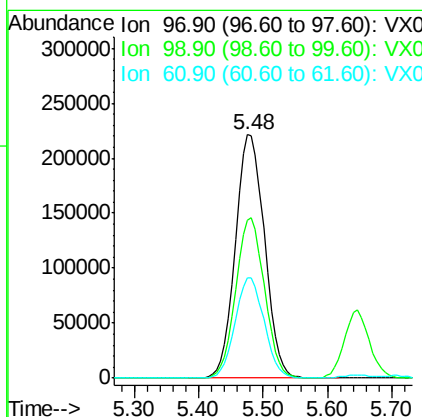
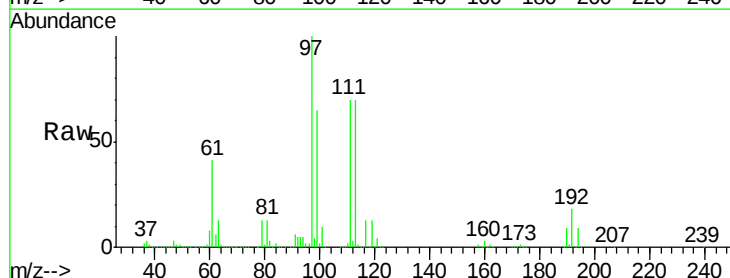
RT: 5.48 min Scan# 709

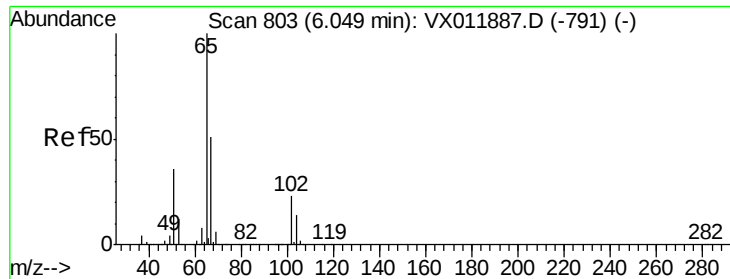
Delta R.T. -0.01 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.9	51.8	77.8	
61	41.1	33.8	50.6	





#33

1,2-Dichloroethane-d4

Concen: 147.923 ug/l

RT: 6.05 min Scan# 803

Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Tot Ion: 65 Resp: 491907

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.2

Instrument :

MSVOA_X

ClientSampleId :

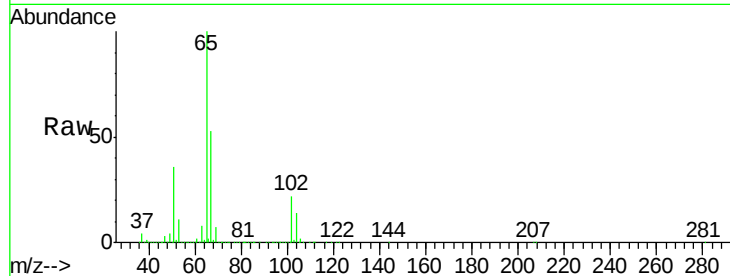
VSTDIC150

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

200000

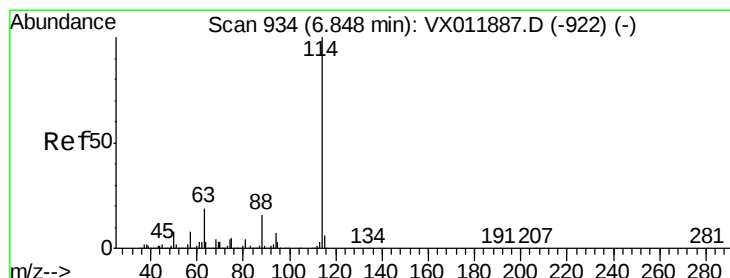
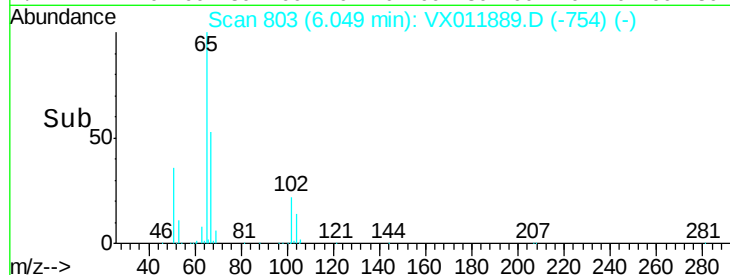
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 934

Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

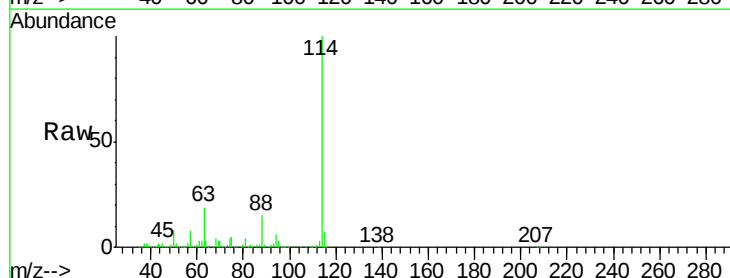
Tgt Ion: 114 Resp: 509637

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.8

88 15.3 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

300000

250000

200000

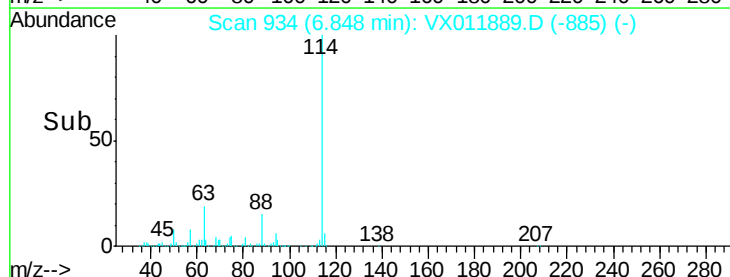
150000

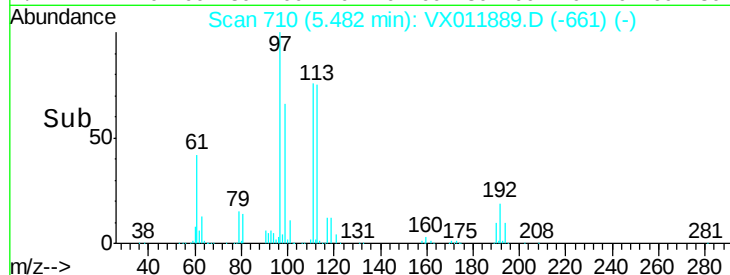
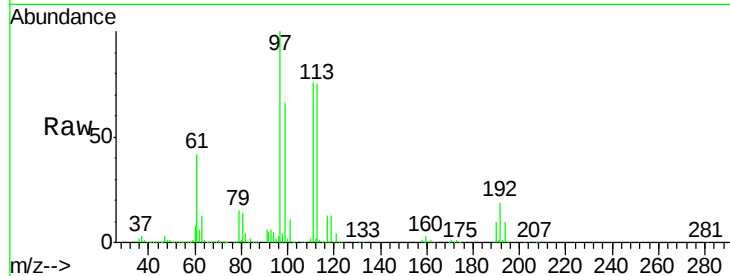
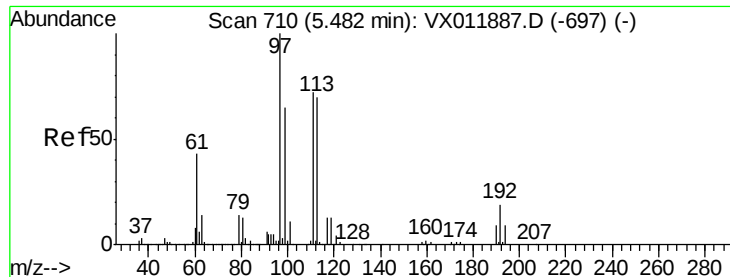
100000

50000

0

Time-->





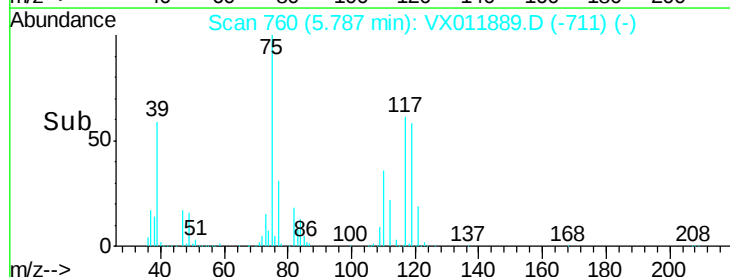
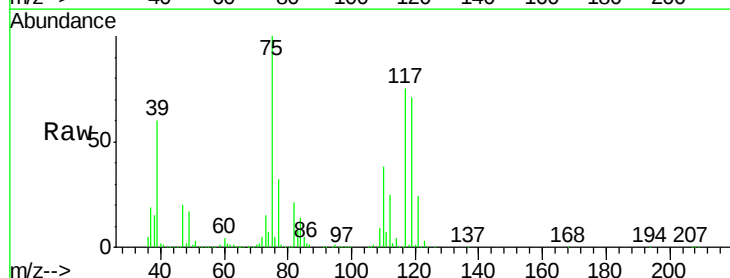
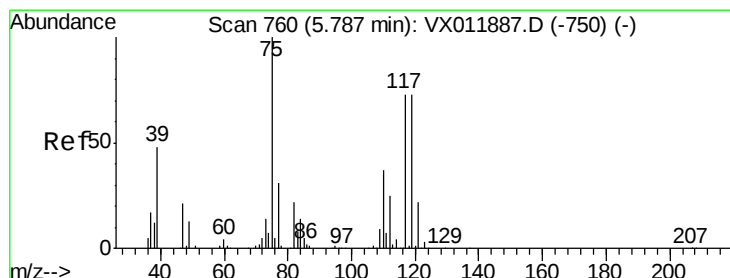
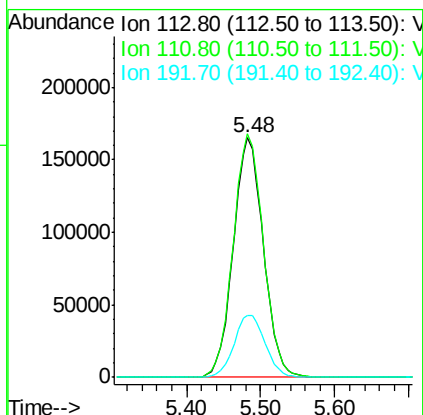
#35
Dibromofluoromethane
Concen: 148.149 ug/l
RT: 5.48 min Scan# 710
Delta R.T. 0.00 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	468514		
111	102.1	82.1	123.1	
192	26.8	21.5	32.3	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

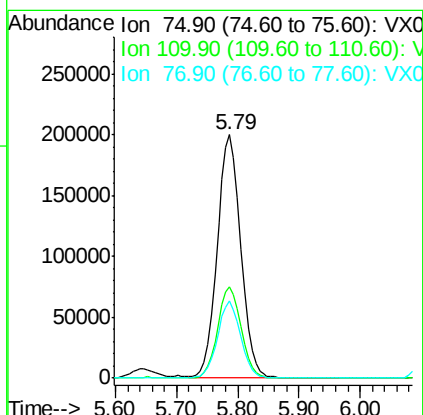
Manual Integrations
APPROVED

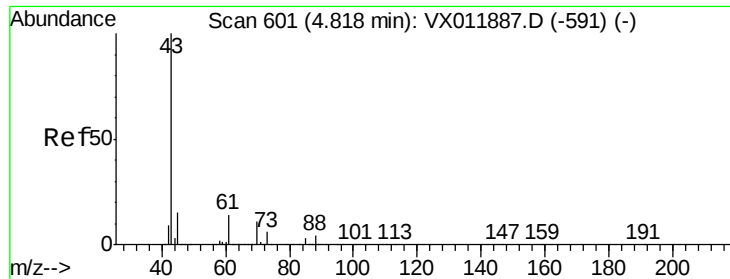
MMDadoda
9/3/2019 2:39:19 AM



#36
1,1-Dichloropropene
Concen: 133.284 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	535781		
110	37.6	19.1	57.3	
77	31.4	24.4	36.6	





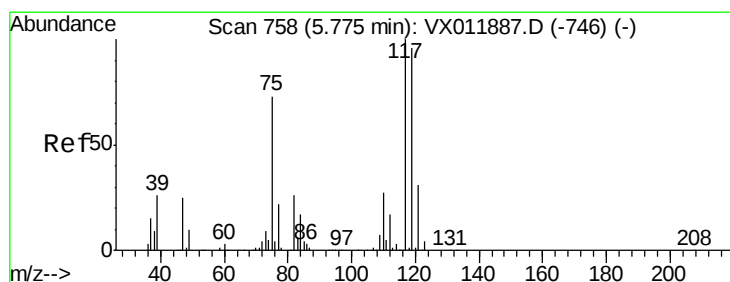
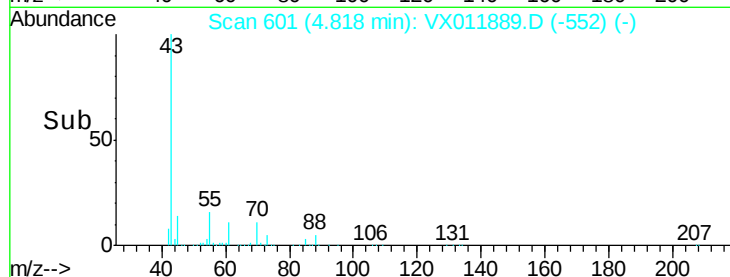
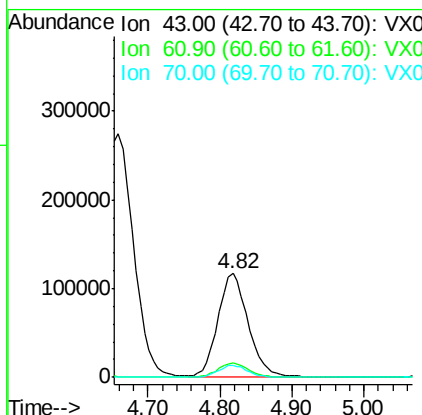
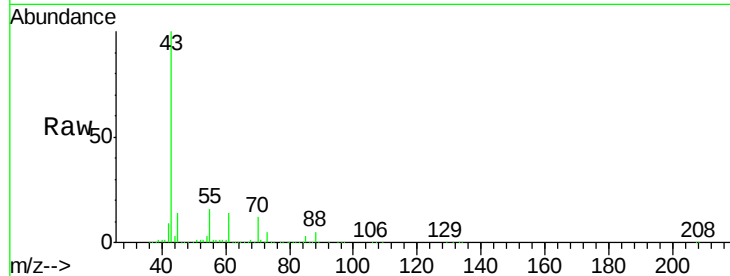
#37
Ethyl Acetate
Concen: 179.436 ug/l
RT: 4.82 min Scan# 601
Delta R.T. 0.00 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
43	100	339921		
61	13.5		11.0	16.4
70	11.4		9.2	13.8

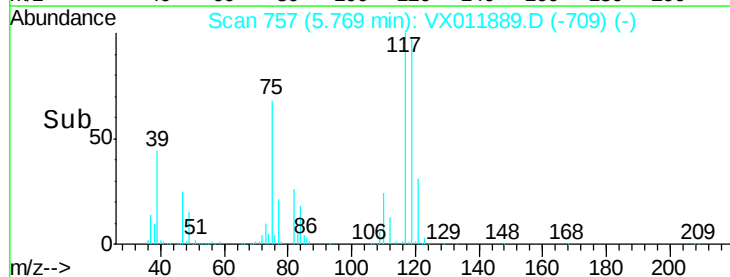
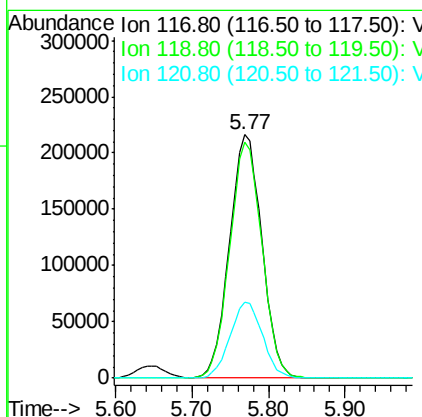
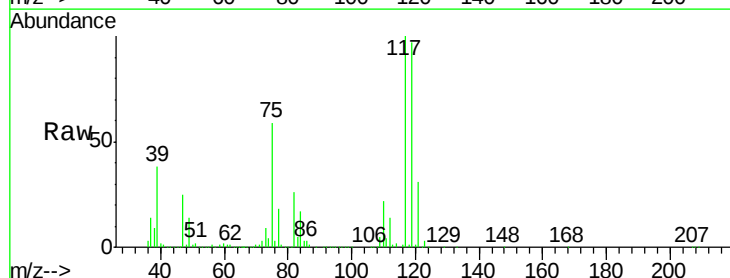
Manual Integrations
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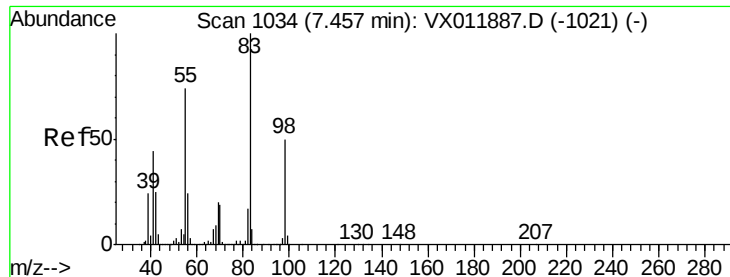
MMDadoda
9/3/2019 2:39:19 AM



#38
Carbon Tetrachloride
Concen: 161.282 ug/l
RT: 5.77 min Scan# 757
Delta R.T. -0.01 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	631804		
119	97.1		76.6	114.8
121	31.1		24.7	37.1





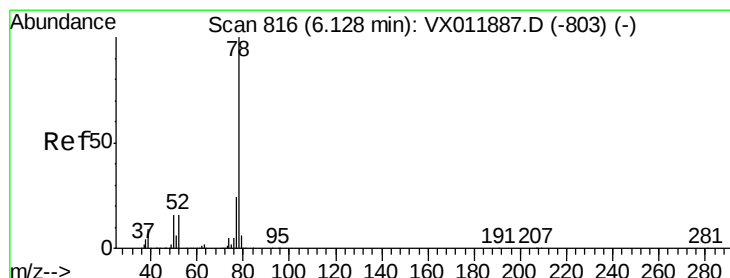
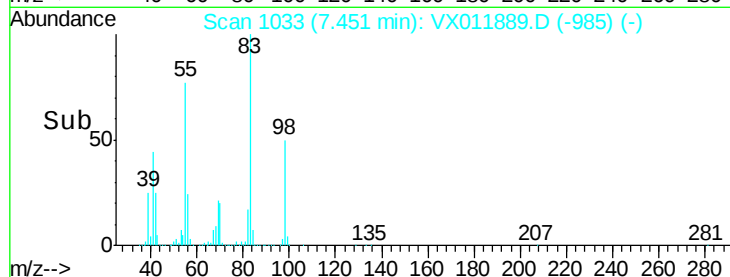
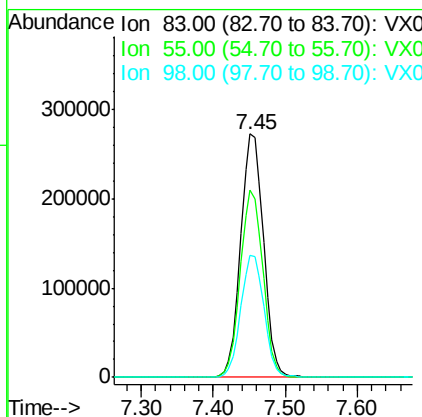
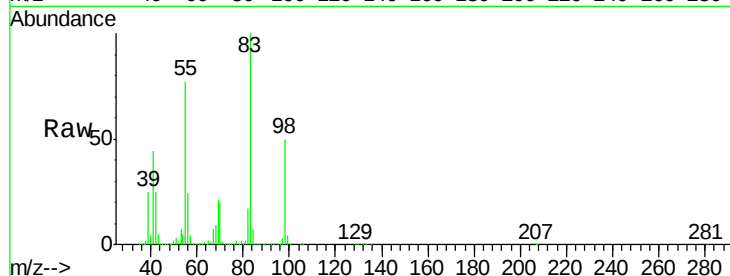
#39
Methvlcvclohexane
Concen: 124.890 ug/l
RT: 7.45 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.1	59.4	89.0
98	50.1	40.3	60.5

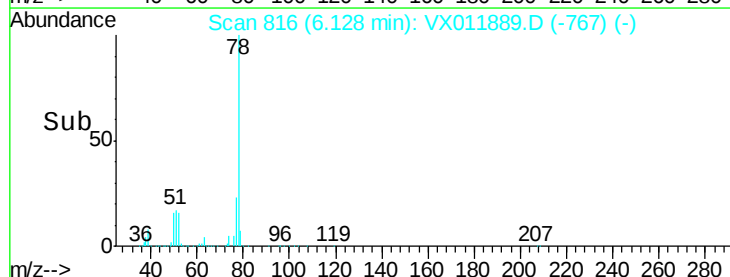
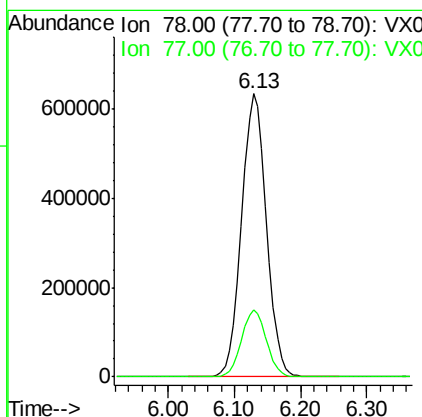
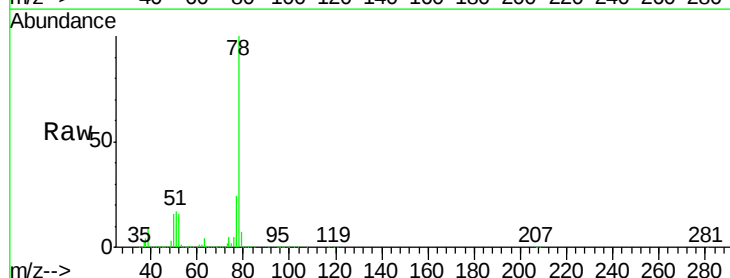
Manual Integrations
APPROVED

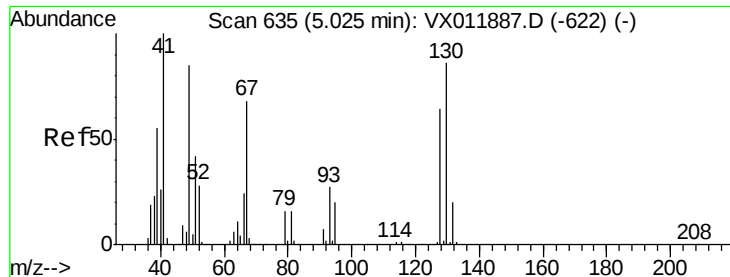
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#40
Benzene
Concen: 137.323 ug/l
RT: 6.13 min Scan# 816
Delta R.T. 0.00 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6





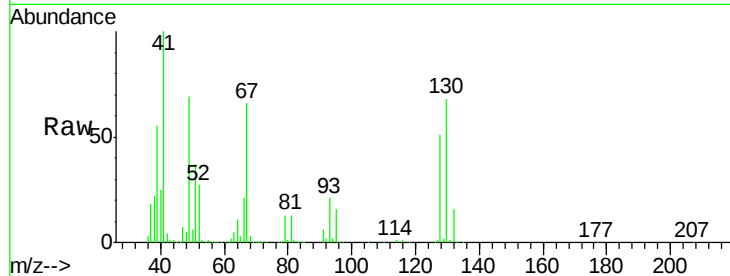
#41
Methacrylonitrile
Concen: 158.412 ug/l
RT: 5.02 min Scan# 635
Delta R.T. 0.00 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

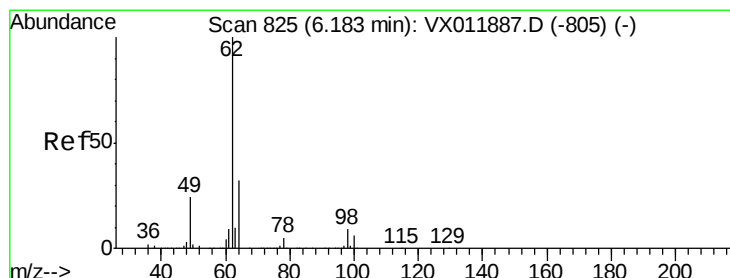
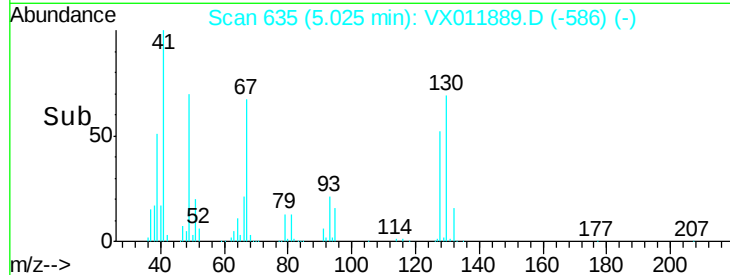
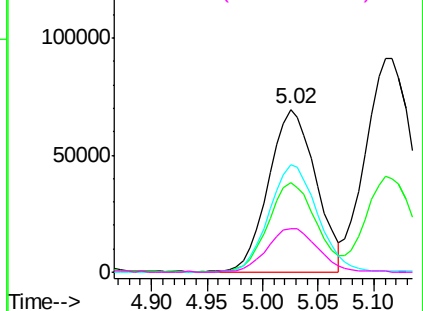
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		204372		
39	55.0	45.0	67.6		
67	68.1	55.0	82.4		
52	28.6	24.1	36.1		

Manual Integrations
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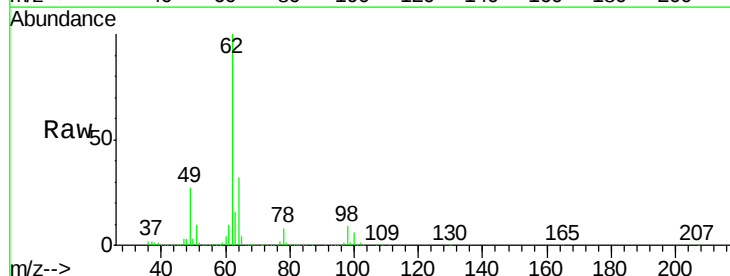


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

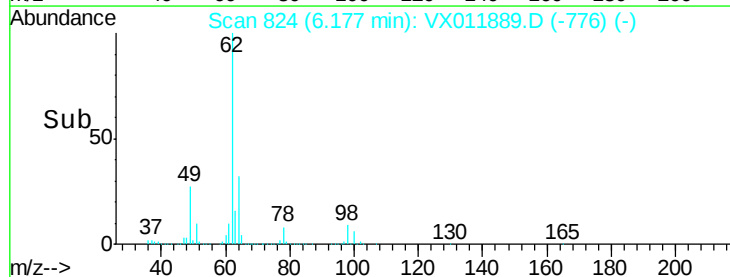
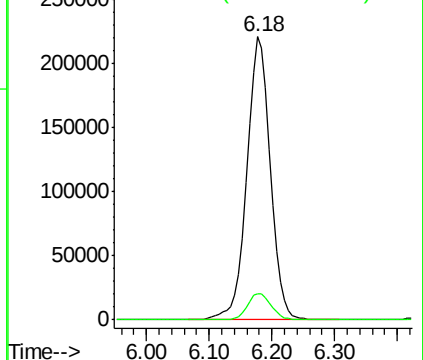


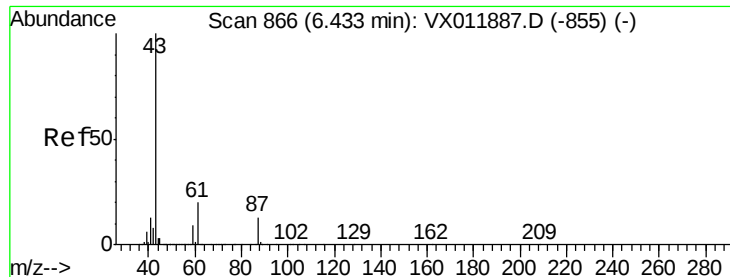
#42
1,2-Dichloroethane
Concen: 142.273 ug/l
RT: 6.18 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		570314		
98	9.4	0.0	19.2		



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

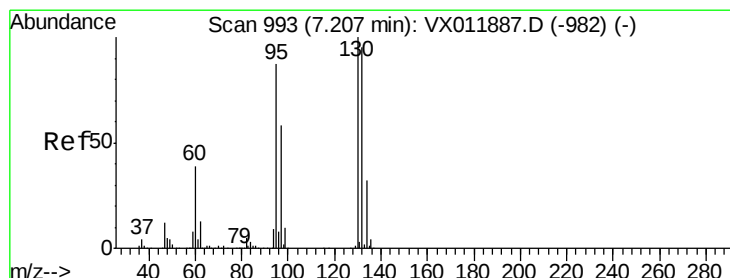
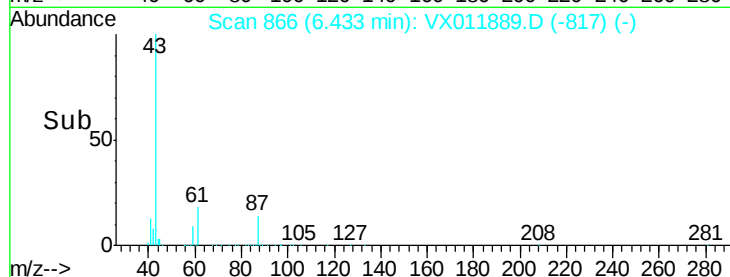
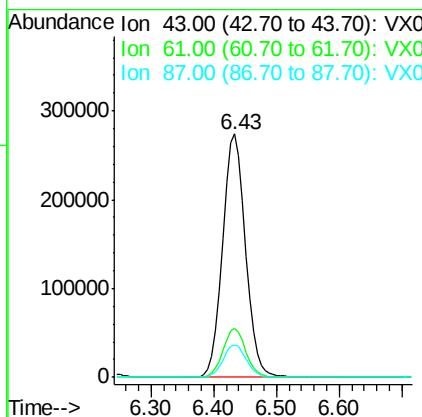
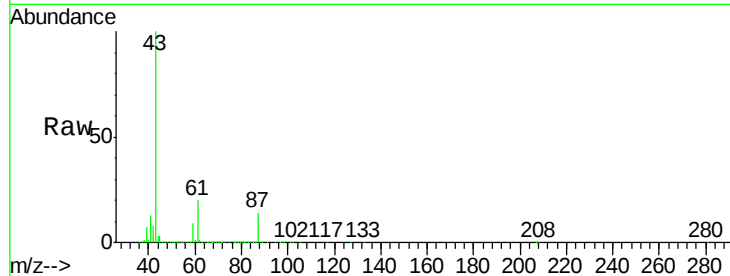
Isopropyl Acetate
 Concen: 182.202 ug/l
 RT: 6.43 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VX011889.D
 Acq: 29 Aug 2019 23:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.1	24.1
87	13.6	10.6	16.0

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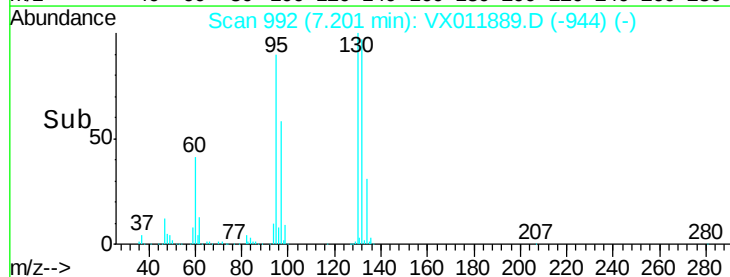
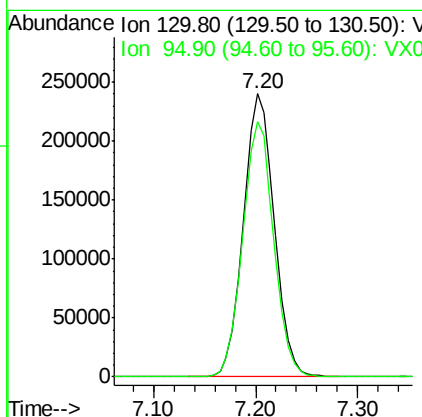
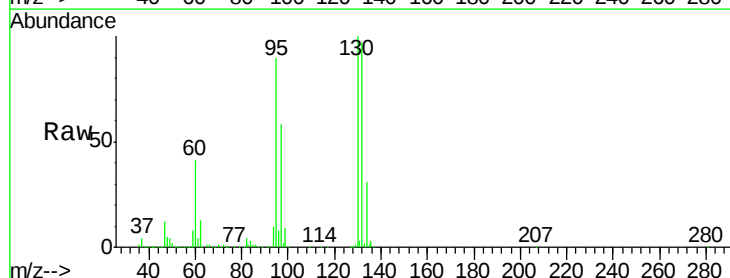
MMDadoda
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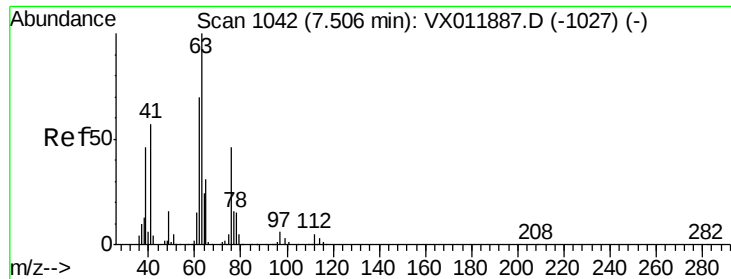


#44

Trichloroethene
 Concen: 122.154 ug/l
 RT: 7.20 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VX011889.D
 Acq: 29 Aug 2019 23:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.2	0.0	174.6





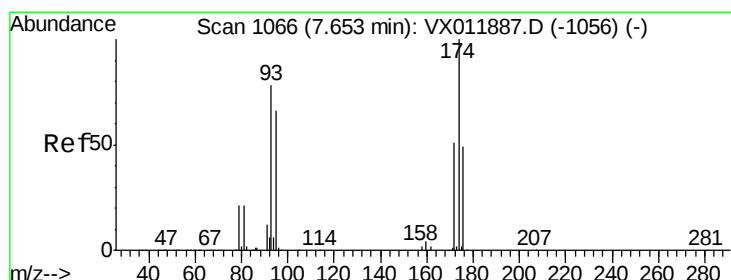
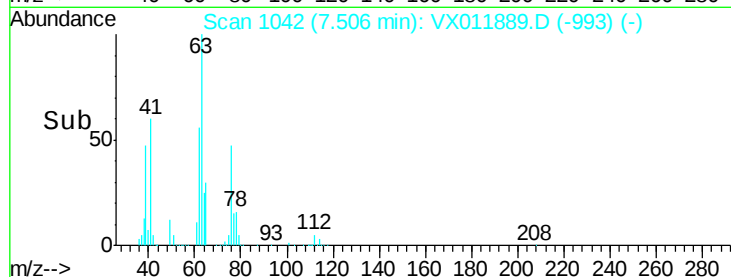
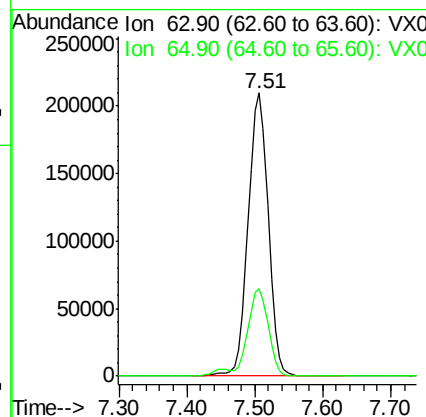
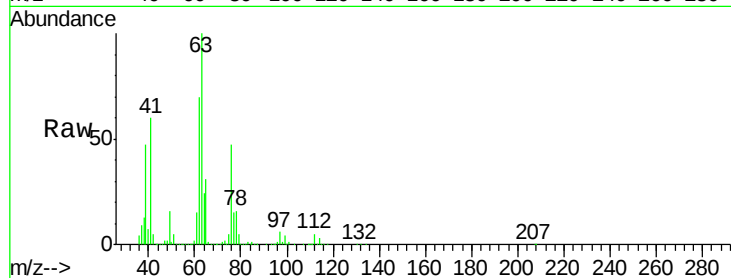
#45
 1,2-Dichloropropane
 Concen: 141.329 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: VX011889.D
 Acq: 29 Aug 2019 23:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	25.1	37.7

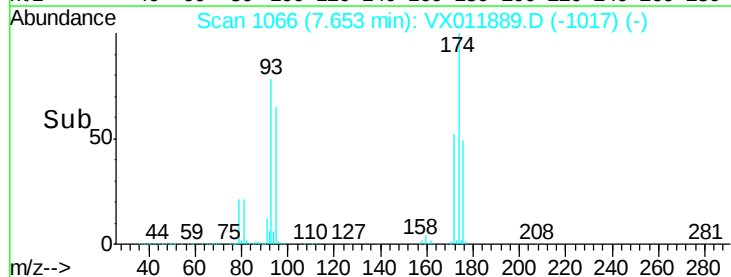
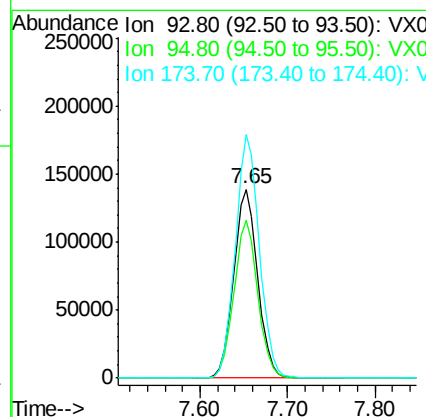
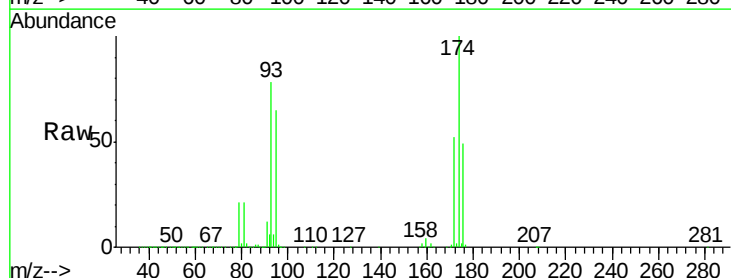
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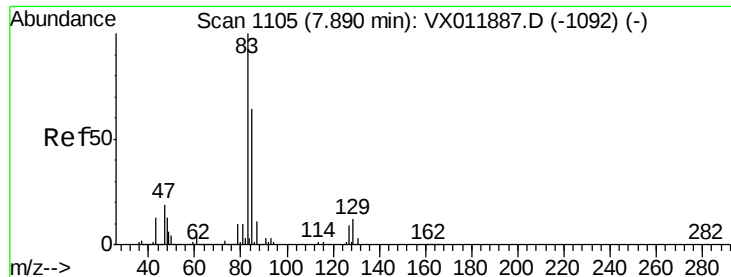
MMDadoda
 9/3/2019 2:39:19 AM



#46
 Dibromomethane
 Concen: 144.571 ug/l
 RT: 7.65 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VX011889.D
 Acq: 29 Aug 2019 23:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	65.7	98.5
174	129.7	104.2	156.4





#47

Bromodichloromethane

Concen: 153.757 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Instrument :

MSVOA_X

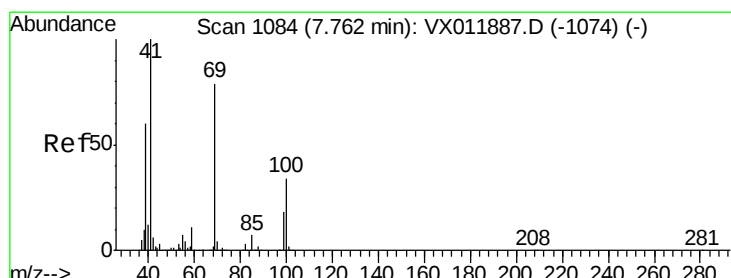
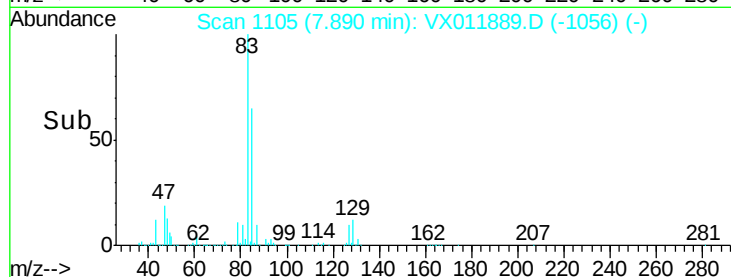
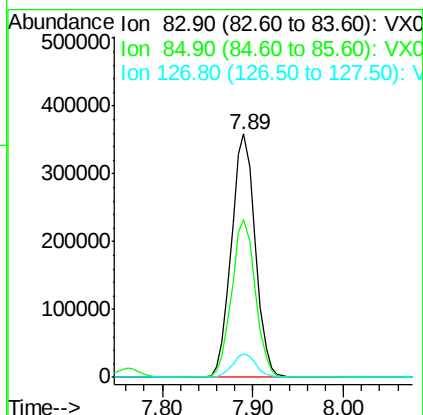
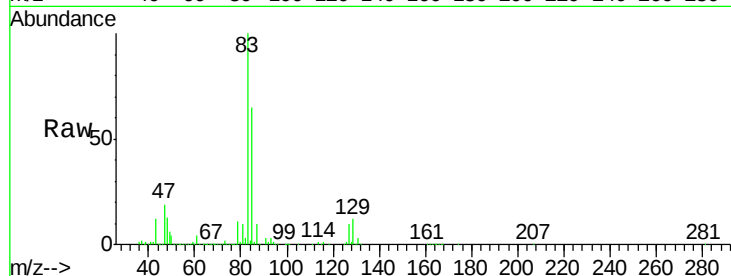
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	652091
Ion Ratio	Lower	Upper	
83	100		
85	65.0	51.1	76.7
127	9.8	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 184.344 ug/l

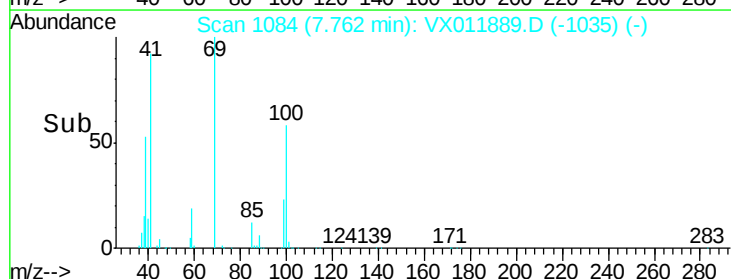
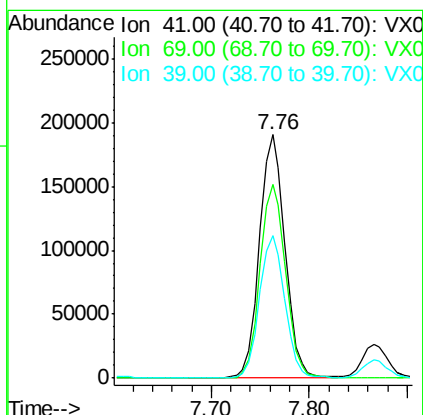
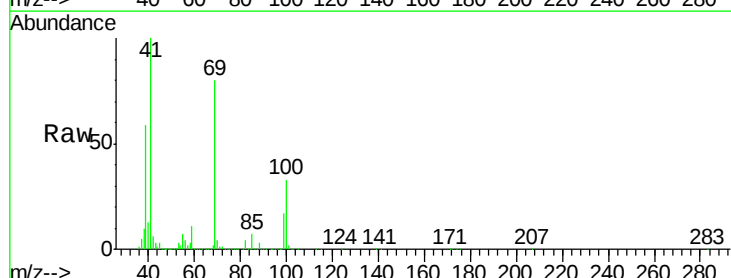
RT: 7.76 min Scan# 1084

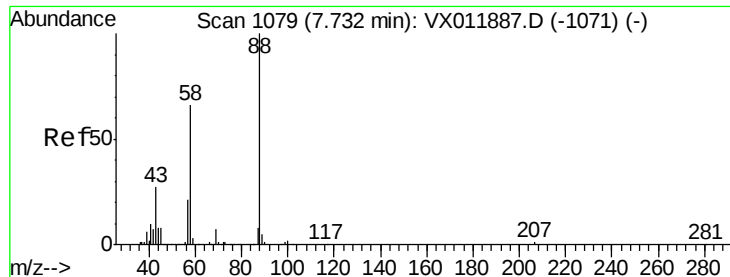
Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Tgt Ion:	41	Resp:	342342
Ion Ratio	Lower	Upper	
41	100		
69	80.7	64.4	96.6
39	58.6	47.2	70.8





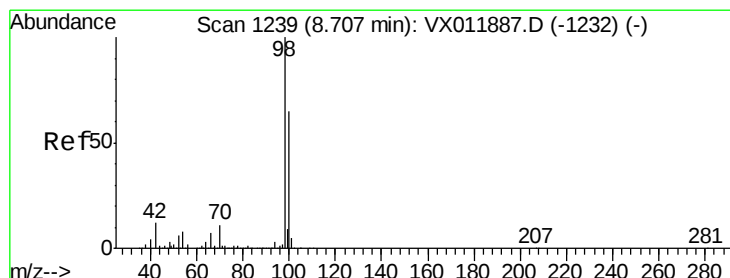
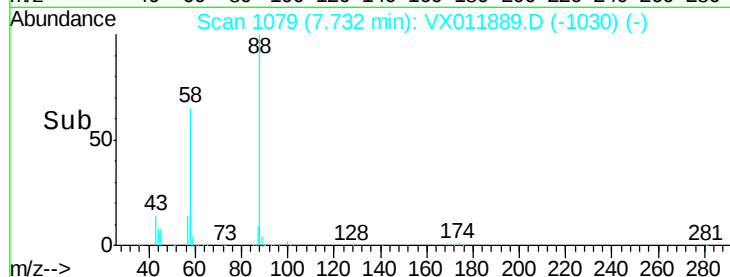
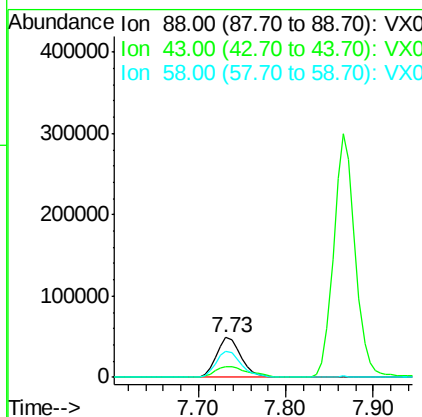
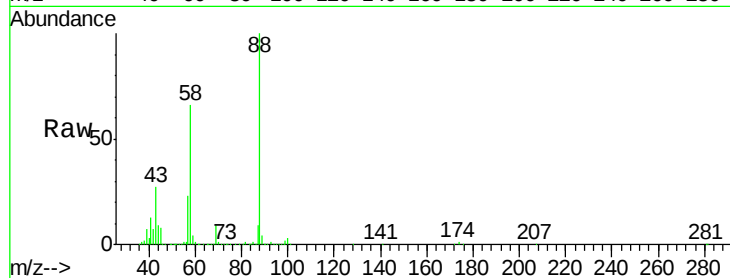
#49
1,4-Dioxane
Concen: 3517.382 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.5	27.3	40.9
58	69.3	53.9	80.9

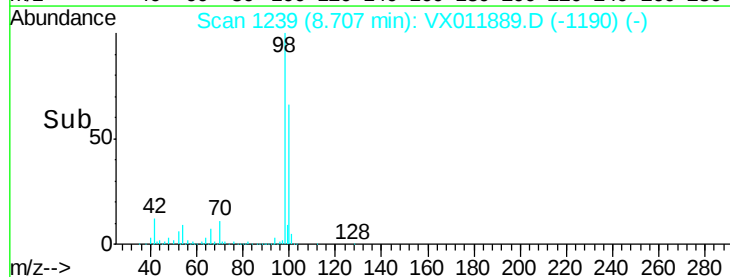
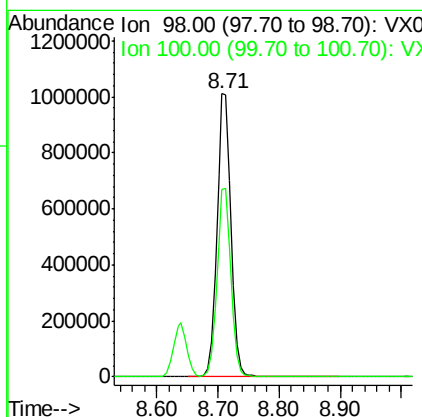
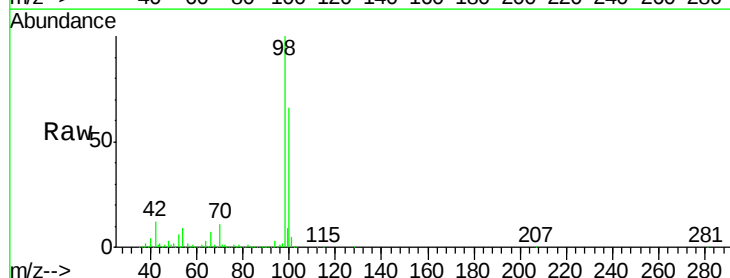
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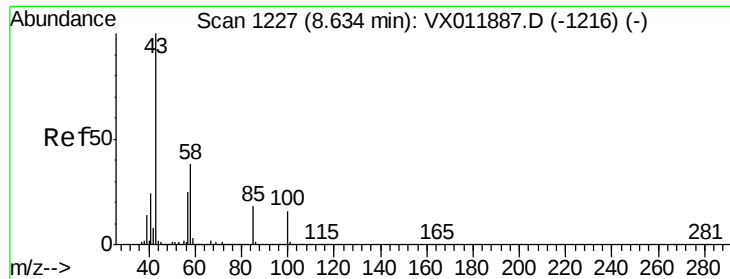
MMDadoda
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#50
Toluene-d8
Concen: 143.339 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.0	79.6





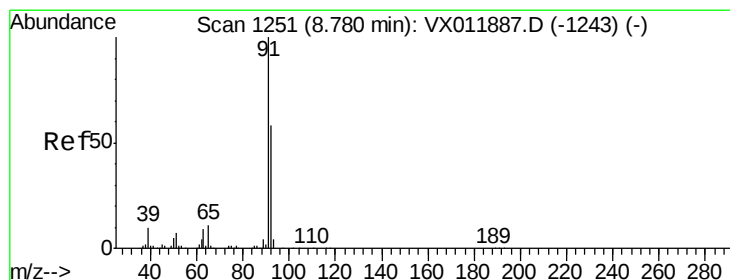
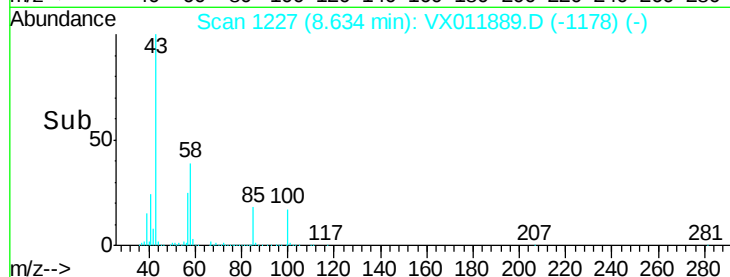
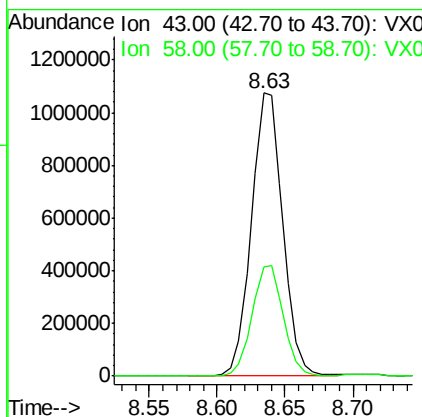
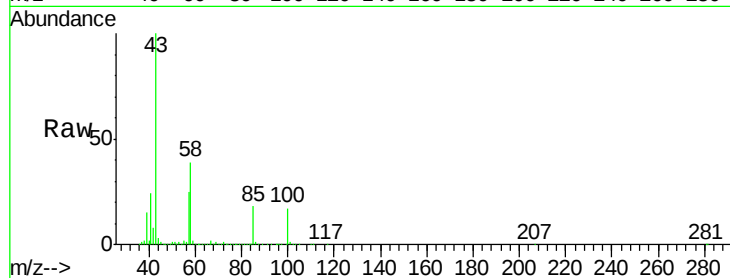
#51
4-Methyl-2-Pentanone
Concen: 865.750 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. 0.00 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1739460
Ion Ratio Lower Upper
43 100
58 39.0 30.9 46.3

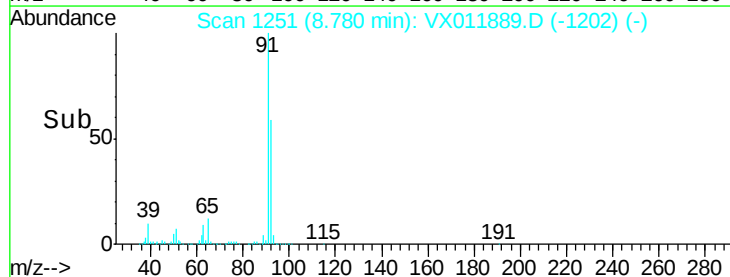
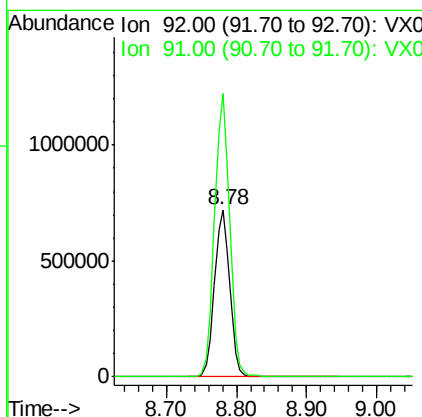
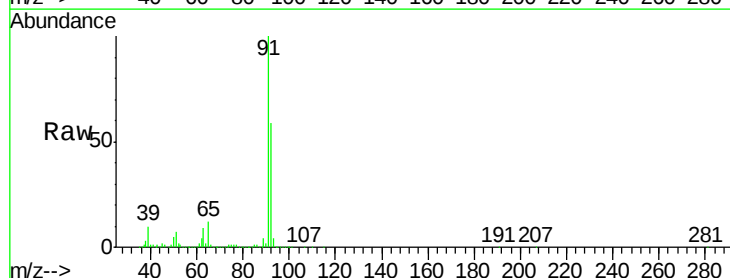
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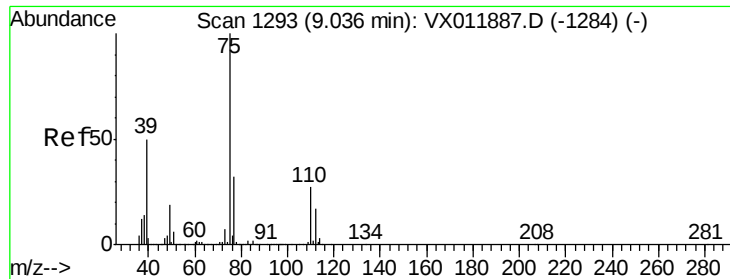
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#52
Toluene
Concen: 138.061 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Tgt Ion: 92 Resp: 1087142
Ion Ratio Lower Upper
92 100
91 169.4 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 204.489 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 677106

Ion Ratio Lower Upper

75 100

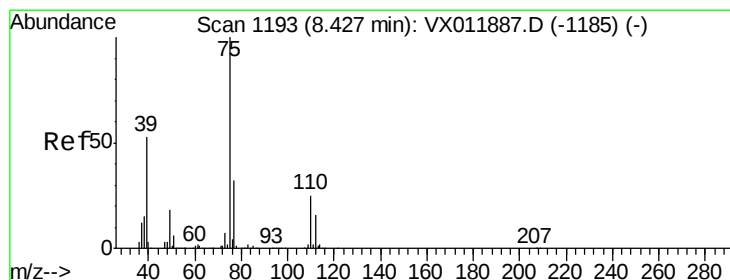
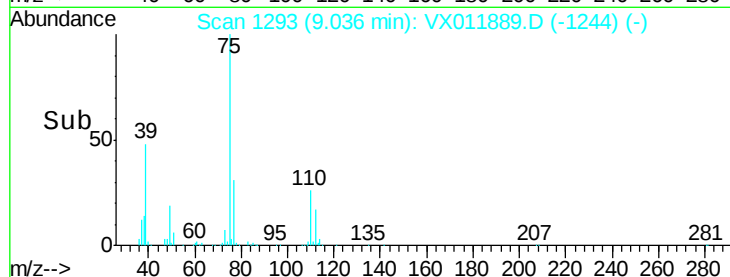
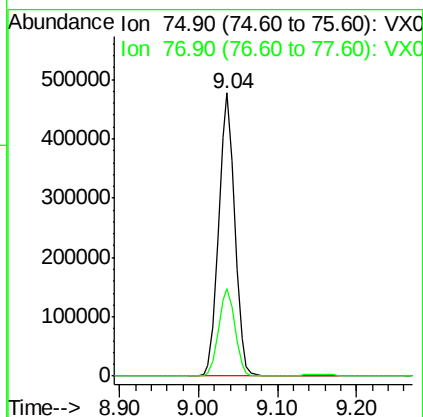
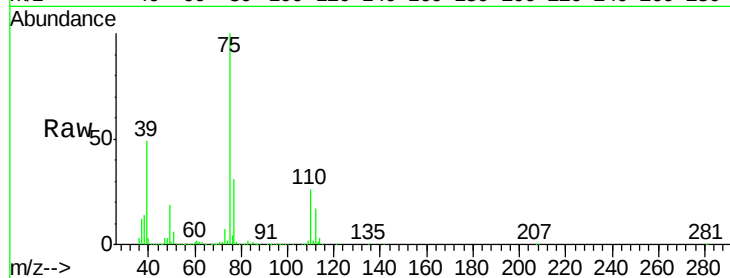
77 31.1 25.6 38.4

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#54

cis-1,3-Dichloropropene

Concen: 175.140 ug/l

RT: 8.43 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

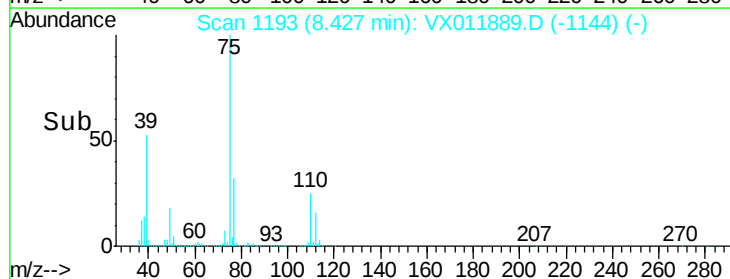
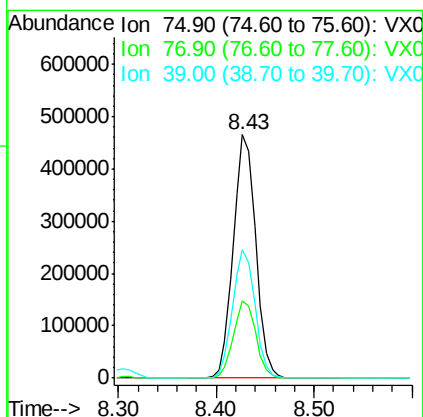
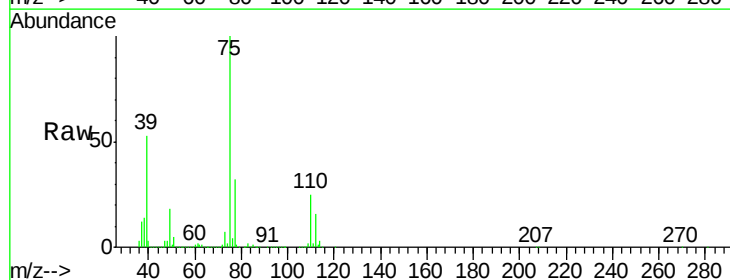
Tgt Ion: 75 Resp: 742676

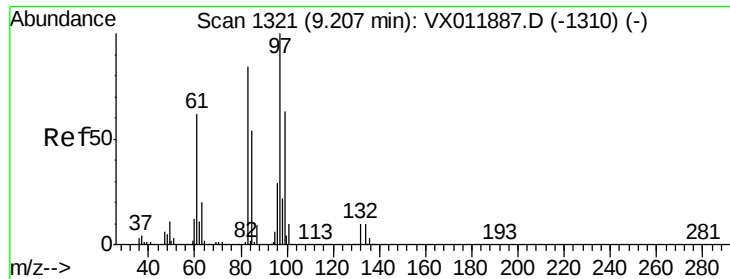
Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3

39 52.7 42.6 64.0





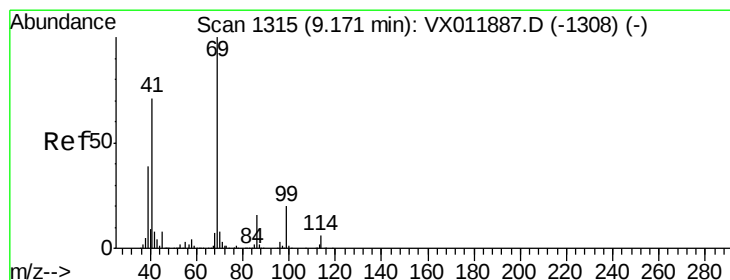
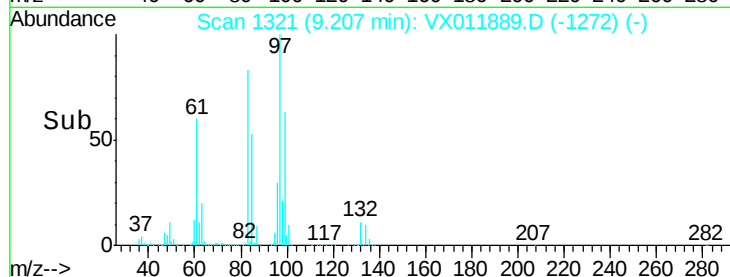
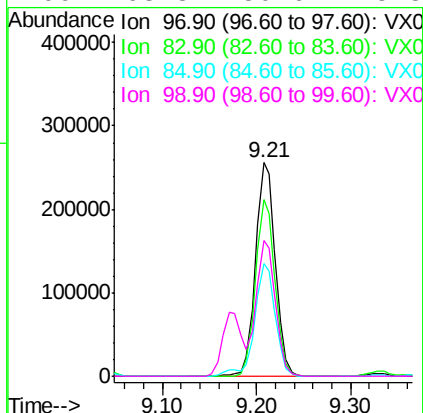
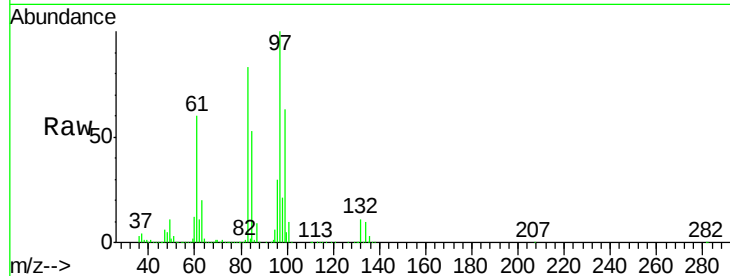
#55
 1,1,2-Trichloroethane
 Concen: 152.600 ug/l
 RT: 9.21 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VX011889.D
 Acq: 29 Aug 2019 23:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		379380		
83	82.8	66.8	100.2		
85	52.9	43.5	65.3		
99	63.3	50.6	75.8		

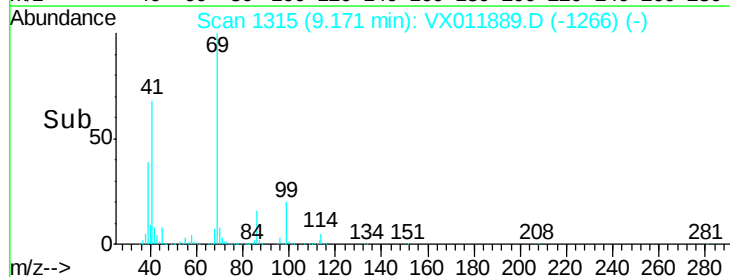
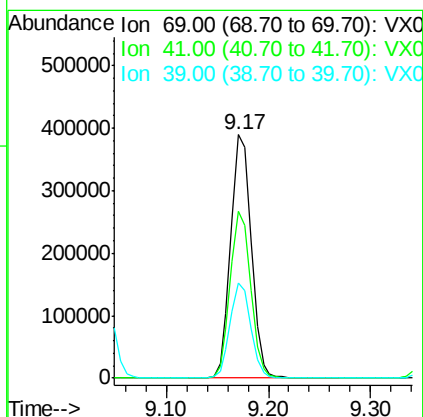
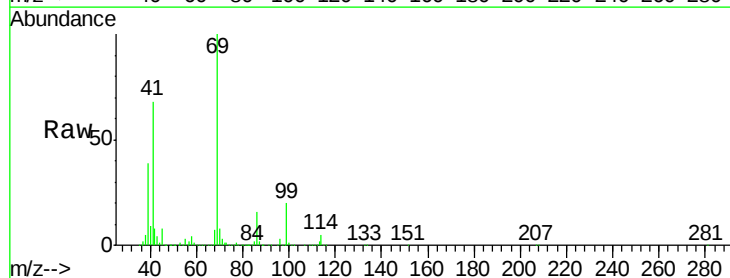
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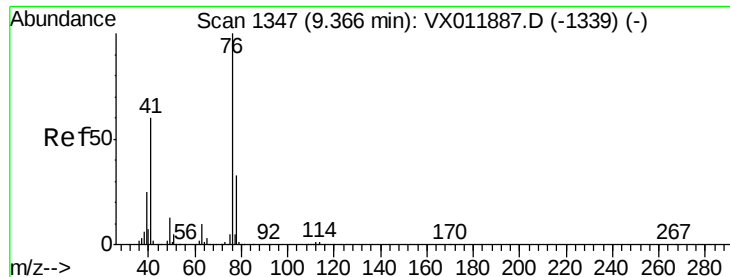
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#56
 Ethyl methacrylate
 Concen: 210.524 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VX011889.D
 Acq: 29 Aug 2019 23:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		543367		
41	68.2	55.8	83.8		
39	39.0	31.1	46.7		





#57

1,3-Dichloropropane

Concen: 157.656 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 632760

Ion Ratio Lower Upper

76 100

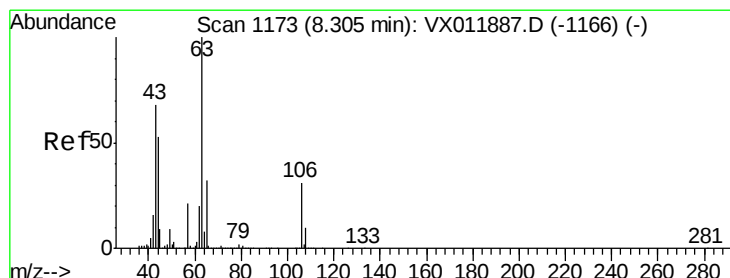
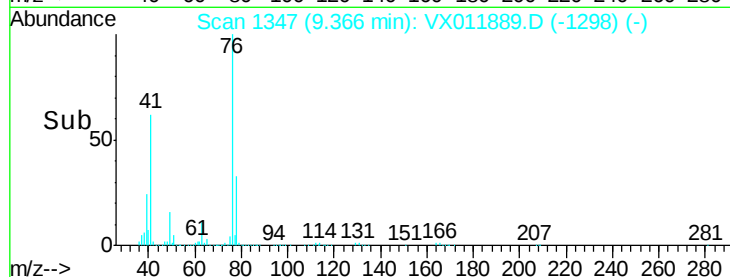
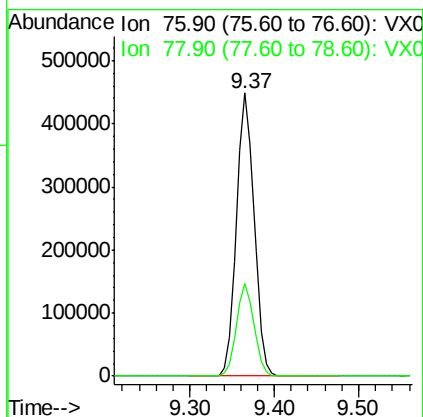
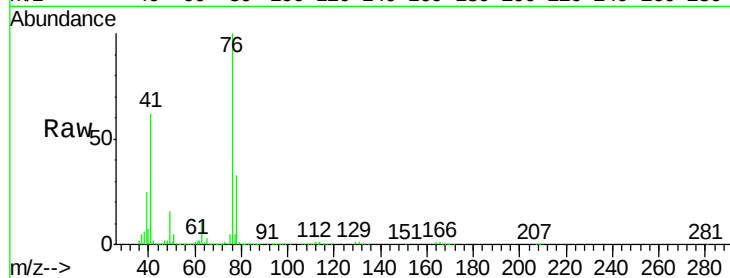
78 32.4 26.4 39.6

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#58

2-Chloroethyl Vinyl ether

Concen: 1562.025 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011889.D

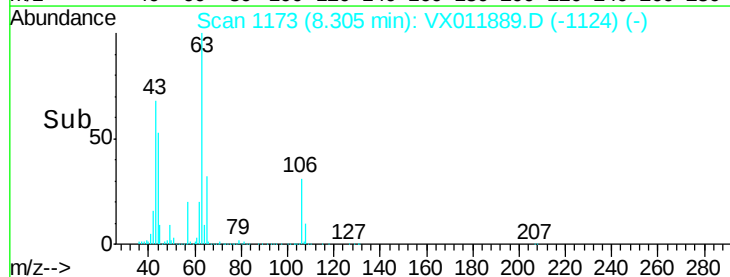
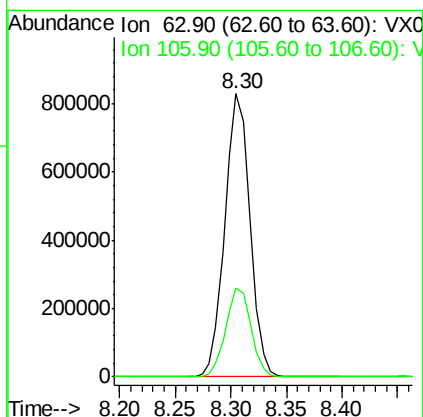
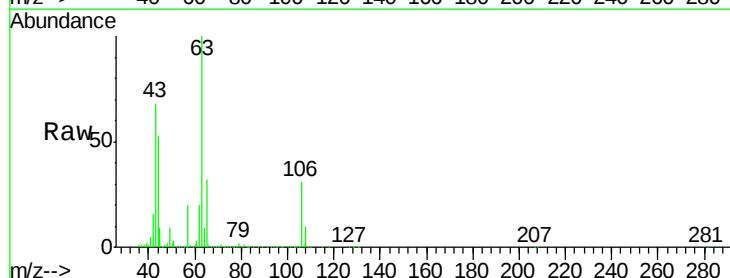
Acq: 29 Aug 2019 23:03

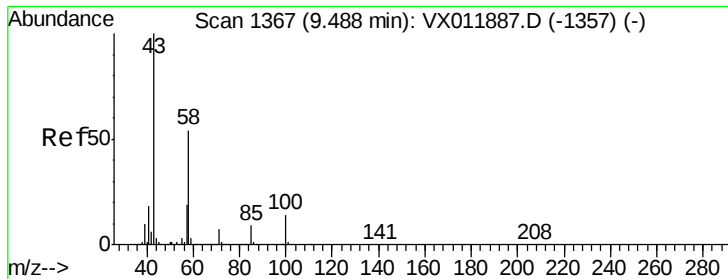
Tgt Ion: 63 Resp: 1295897

Ion Ratio Lower Upper

63 100

106 31.7 24.8 37.2





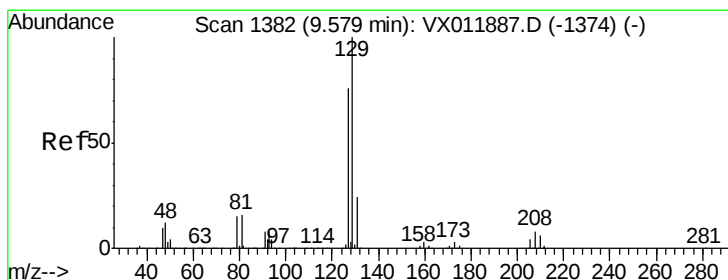
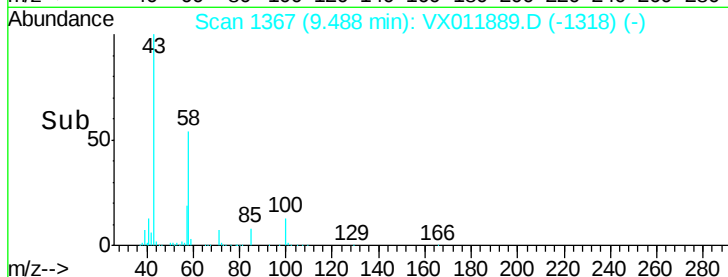
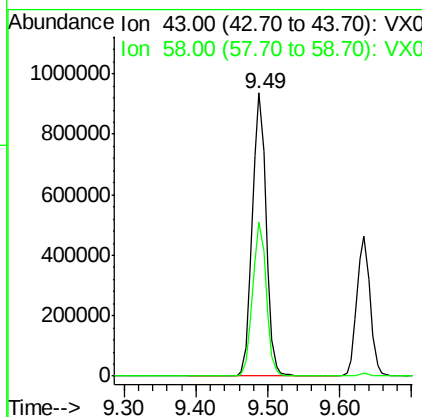
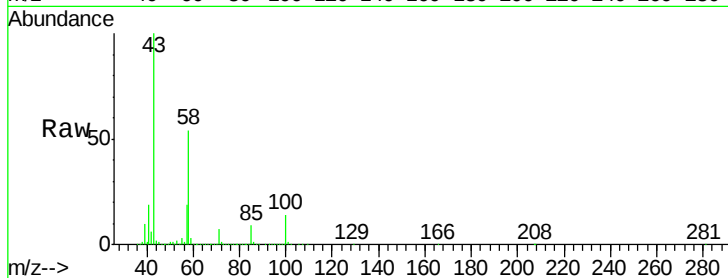
#59
2-Hexanone
Concen: 946.017 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1248977
Ion Ratio Lower Upper
43 100
58 54.0 26.8 80.4

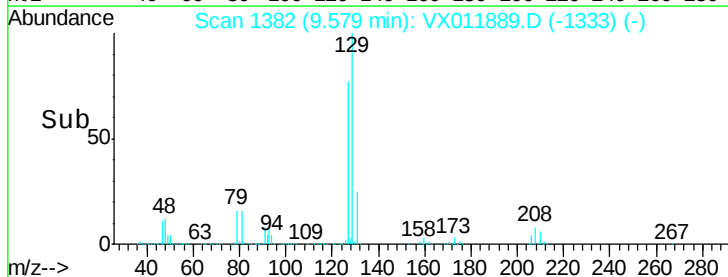
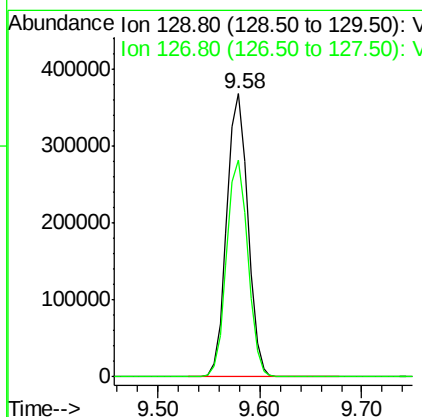
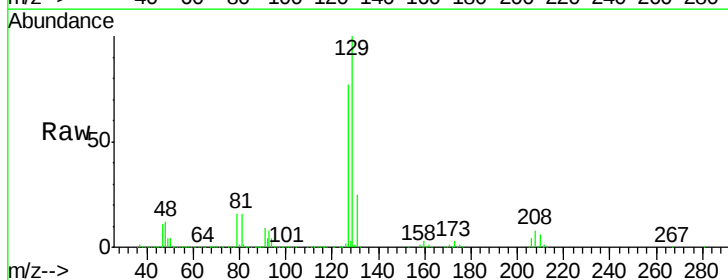
Manual Integrations
APPROVED

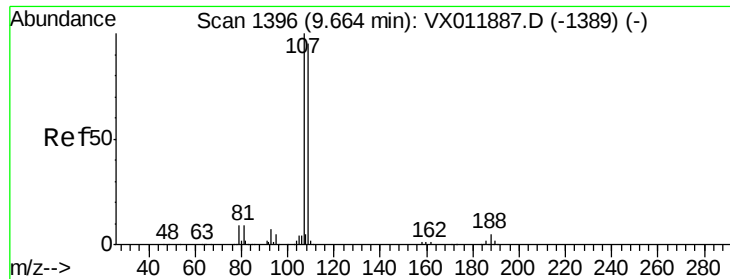
MMDadoda
9/3/2019 2:39:19 AM



#60
Dibromochloromethane
Concen: 164.848 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Tgt Ion: 129 Resp: 527541
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.7





#61

1,2-Dibromoethane

Concen: 165.697 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 386459

Ion Ratio Lower Upper

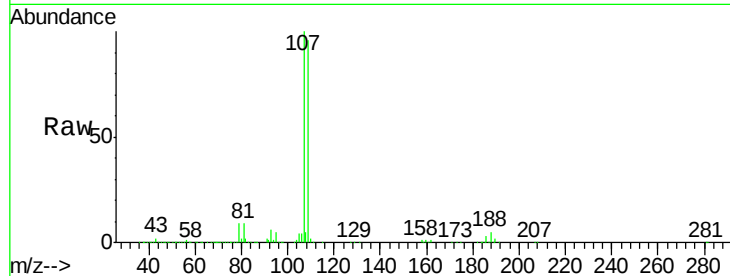
107 100

109 94.9 75.3 112.9

Manual Integrations
APPROVED

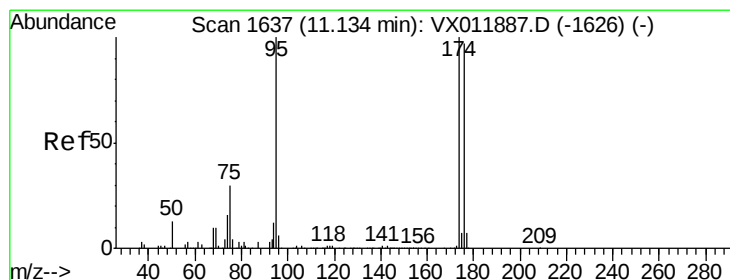
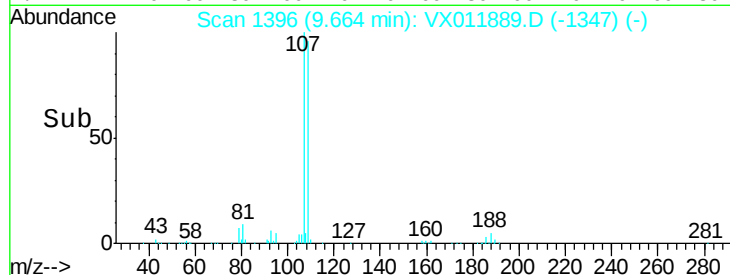
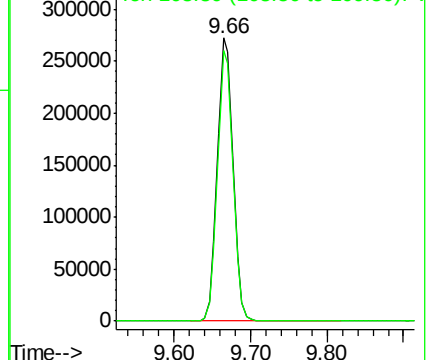
MMDadoda

9/3/2019 2:39:19 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 135.253 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

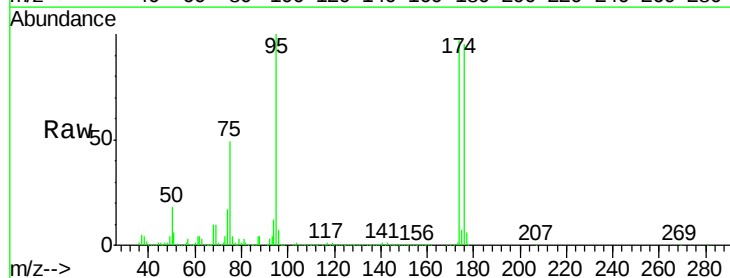
Tgt Ion: 95 Resp: 686820

Ion Ratio Lower Upper

95 100

174 99.2 0.0 196.0

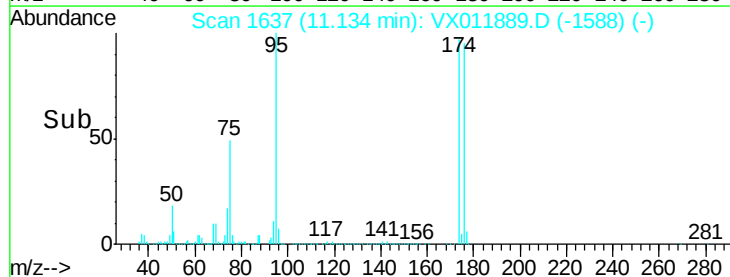
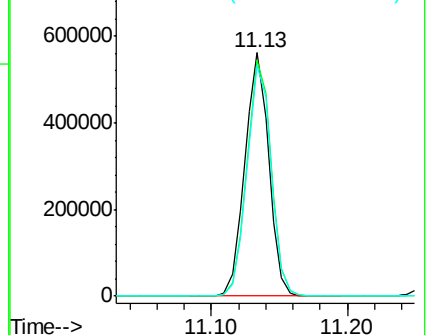
176 96.5 0.0 191.4

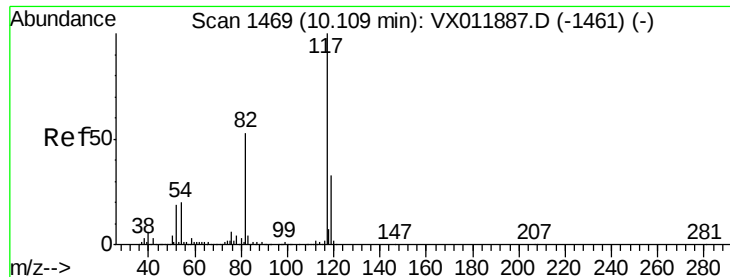


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





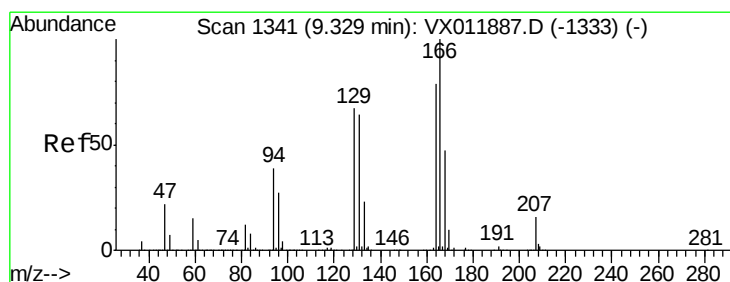
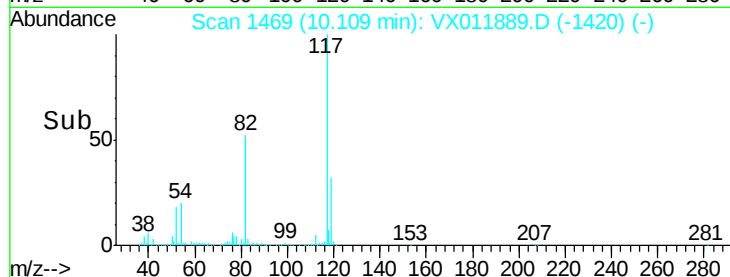
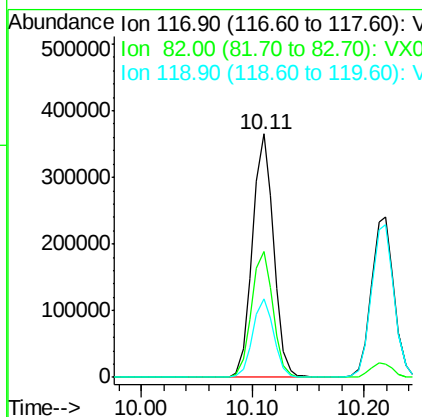
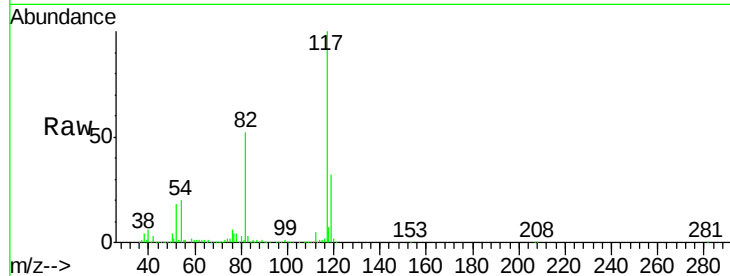
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	484498		
82	51.6	42.0	63.0	
119	32.2	26.2	39.4	

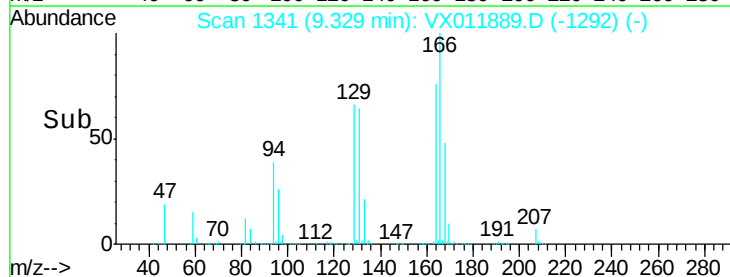
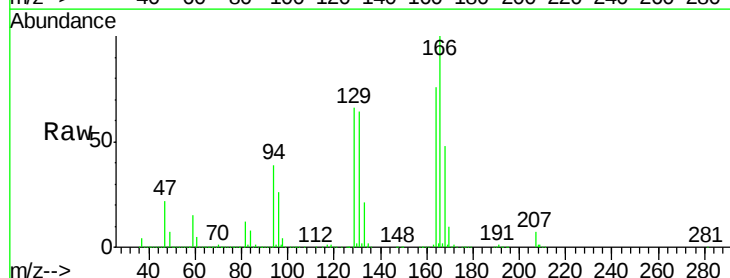
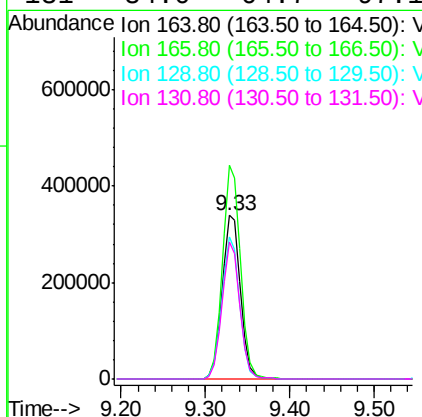
Manual Integrations
APPROVED

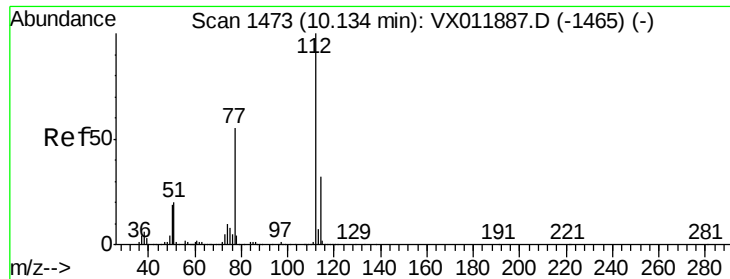
MMDadoda
9/3/2019 2:39:19 AM



#64
Tetrachloroethene
Concen: 105.222 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	508091		
166	130.8	101.4	152.0	
129	86.9	68.0	102.0	
131	84.0	64.7	97.1	





#65

Chlorobenzene

Concen: 139.536 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 1279029

Ion Ratio Lower Upper

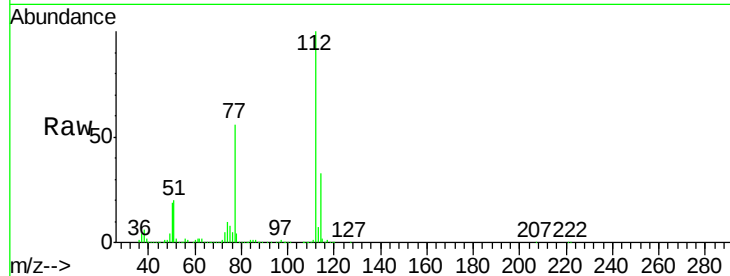
112 100

114 32.5 25.9 38.9

Manual Integrations
APPROVED

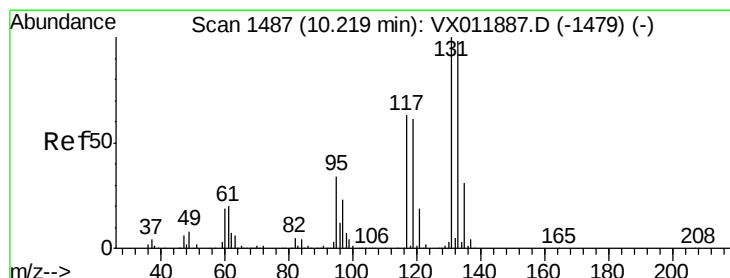
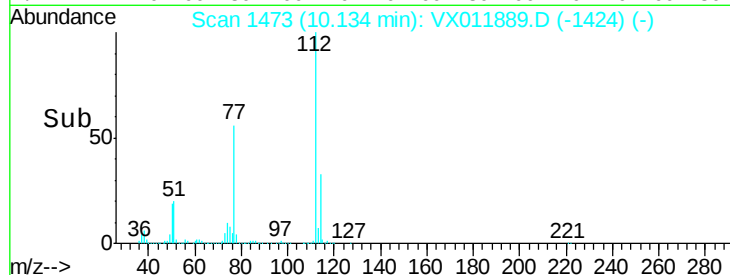
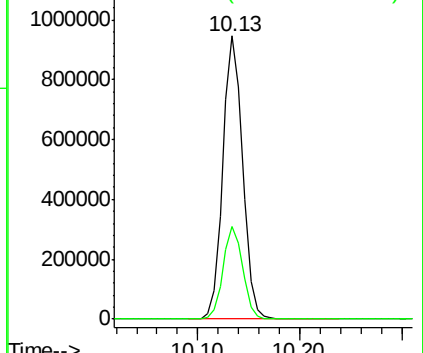
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 159.564 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

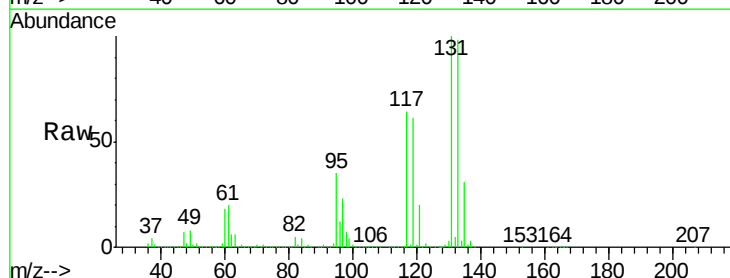
Tgt Ion:131 Resp: 525891

Ion Ratio Lower Upper

131 100

133 96.7 48.4 145.0

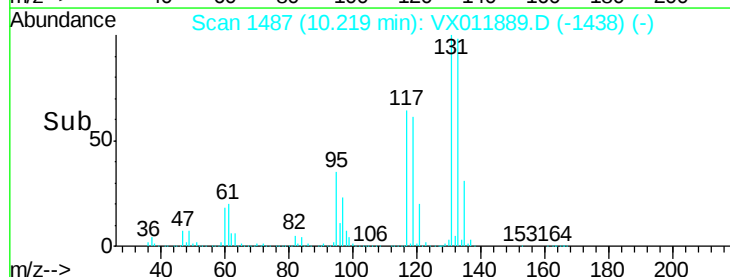
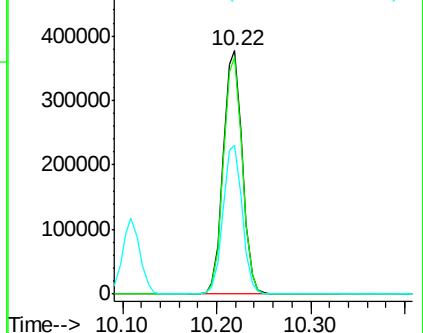
119 61.4 30.6 92.0

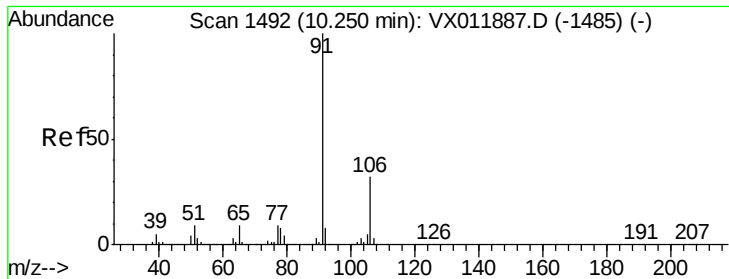


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





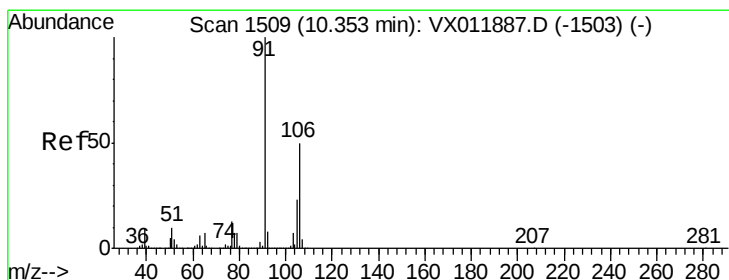
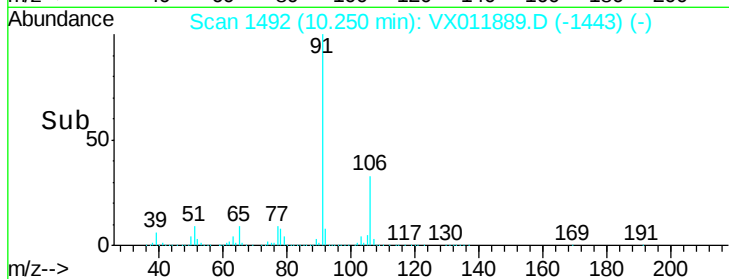
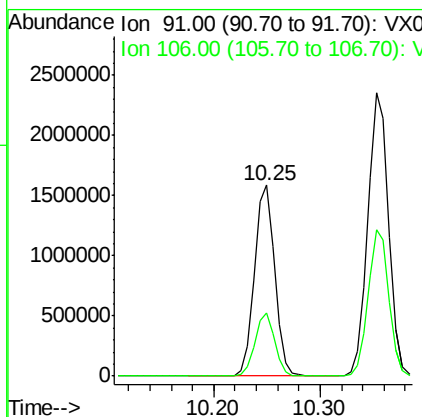
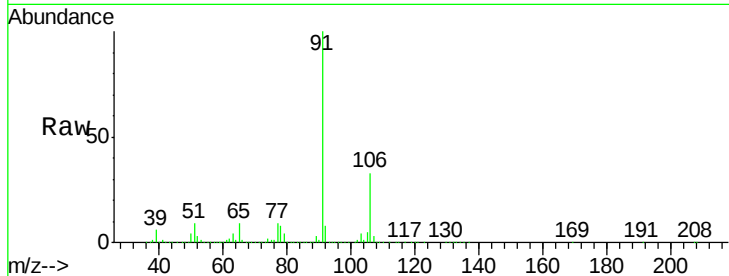
#67
Ethyl Benzene
Concen: 135.546 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion: 91 Resp: 2124307
Ion Ratio Lower Upper
91 100
106 33.2 25.8 38.8

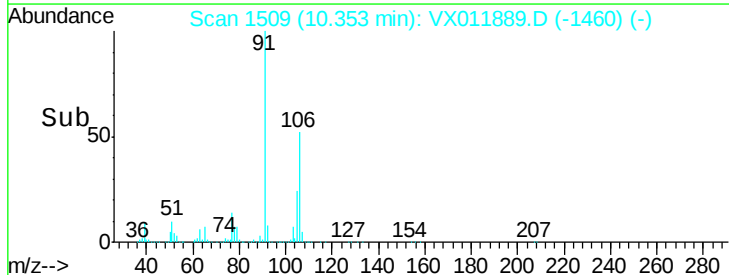
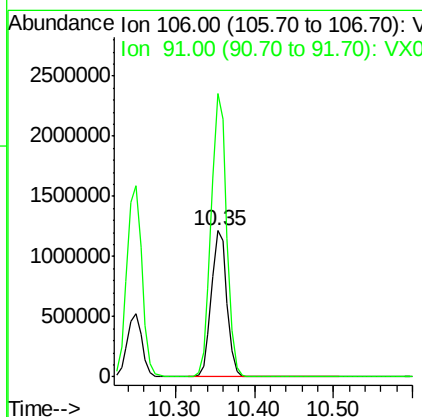
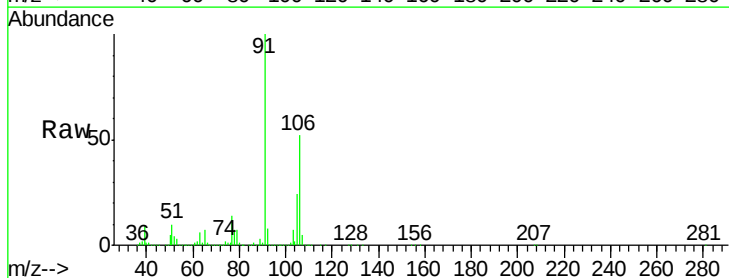
Manual Integrations
APPROVED

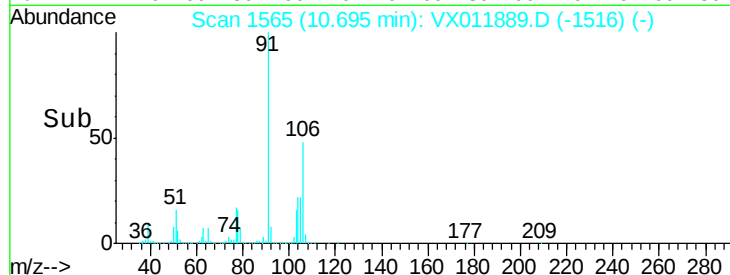
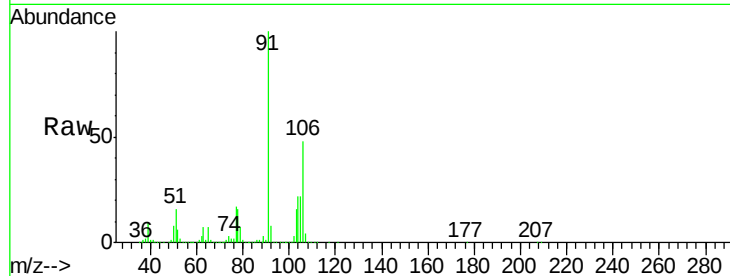
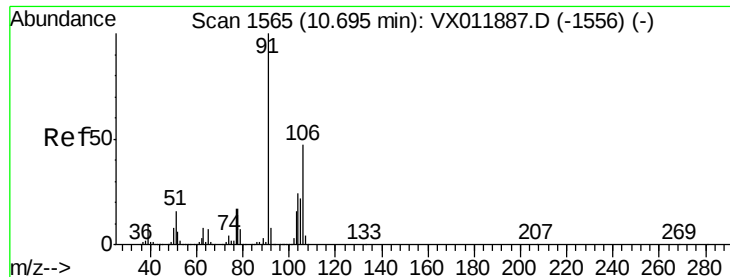
MMDadoda
9/3/2019 2:39:19 AM



#68
m/p-Xylenes
Concen: 274.319 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Tgt Ion: 106 Resp: 1660725
Ion Ratio Lower Upper
106 100
91 193.8 158.6 237.8





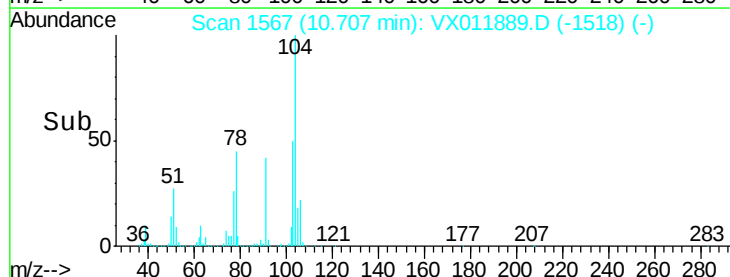
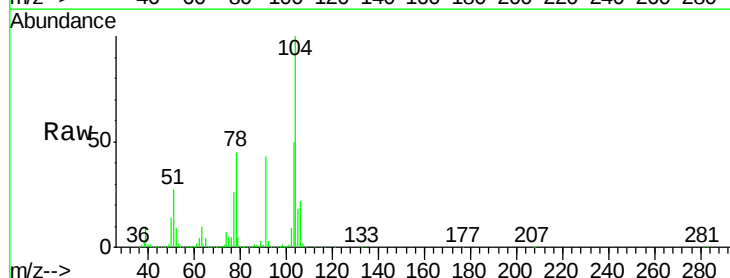
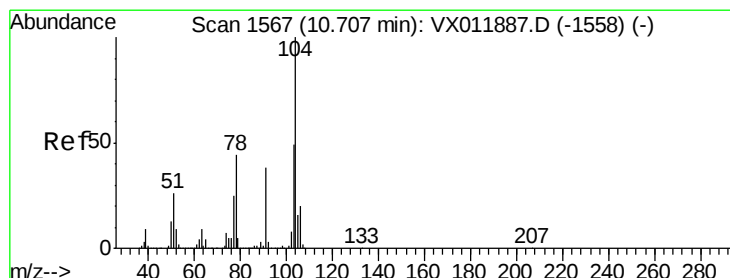
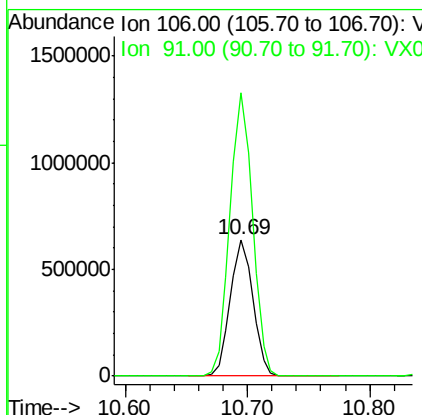
#69
o-Xylene
Concen: 140.948 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Tot Ion	Ratio	Resp	Lower	Upper
106	100	818641		
91	207.6	104.8	314.6	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

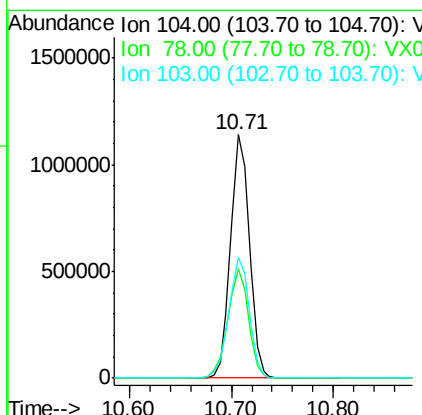
Manual Integrations
APPROVED

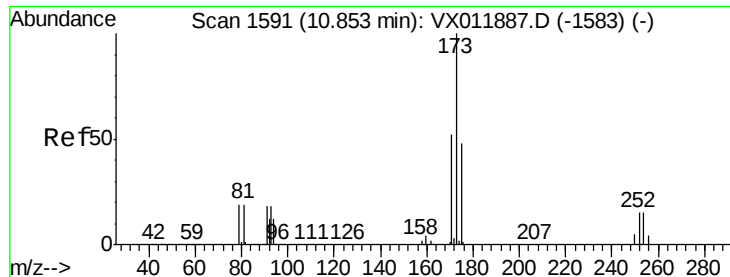
MMDadoda
9/3/2019 2:39:19 AM



#70
Styrene
Concen: 152.840 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	1454780		
78	49.3	39.2	58.8	
103	53.9	43.0	64.6	





#71

Bromoform

Concen: 177.671 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Instrument :

MSVOA_X

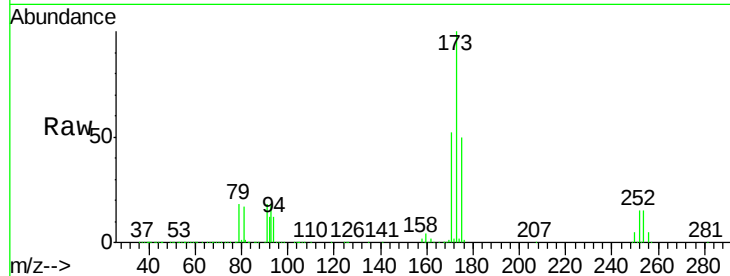
ClientSampleId :

VSTDIC150

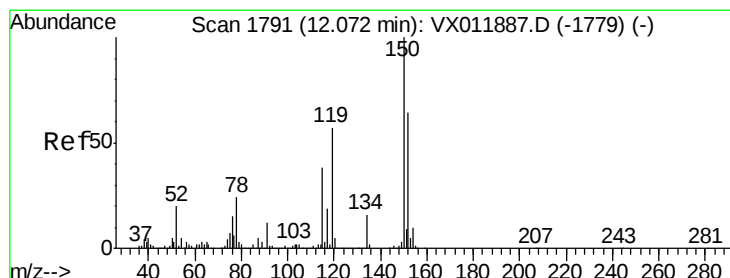
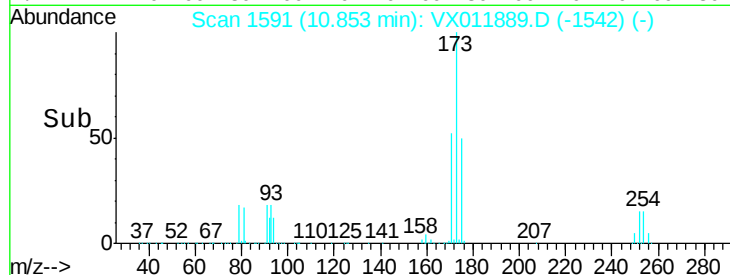
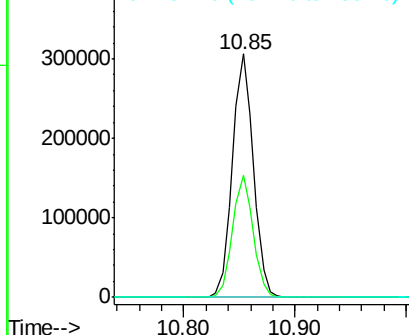
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.4	73.2
254	0.1	0.1	0.1

Manual Integrations
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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

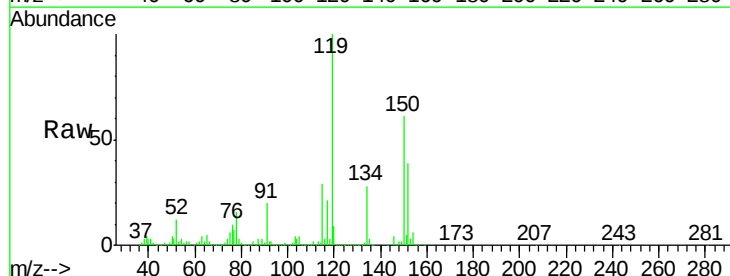
RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

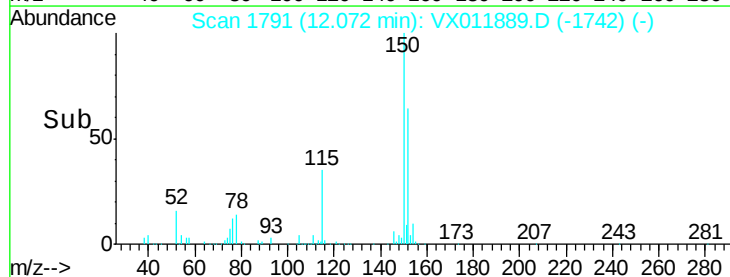
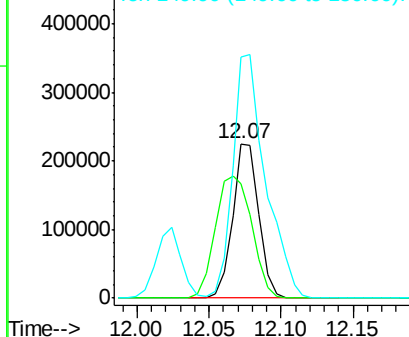
Lab File: VX011889.D

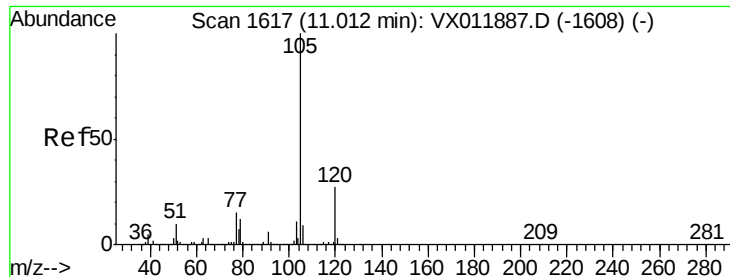
Acq: 29 Aug 2019 23:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	110.5	37.1	111.3
150	198.1	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: 128.644 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.01 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2144280

Ion Ratio Lower Upper

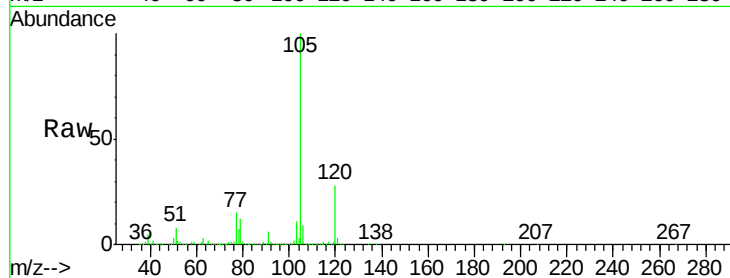
105 100

120 27.9 13.8 41.4

Manual Integrations
APPROVED

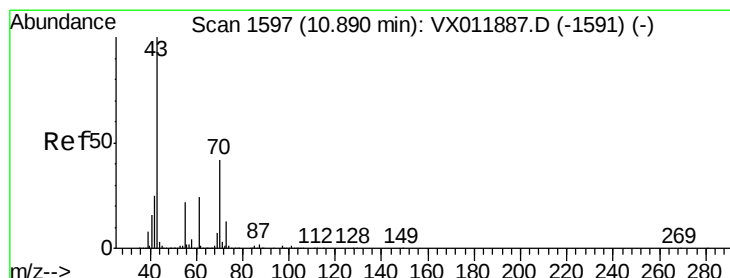
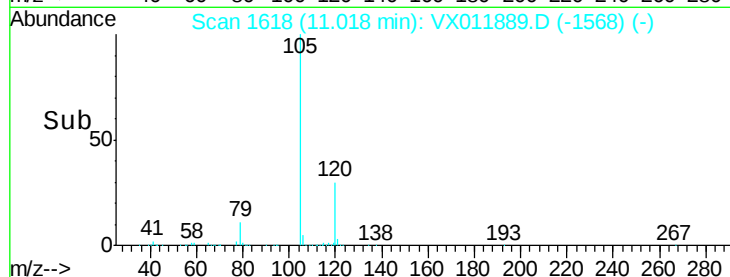
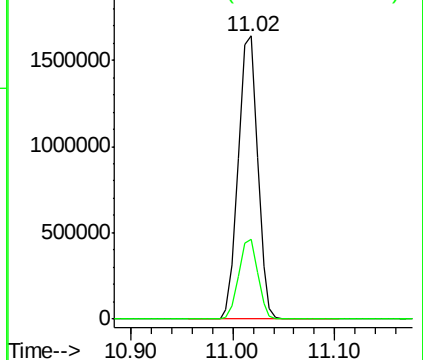
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 162.137 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.01 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Tgt Ion: 43 Resp: 664211

Ion Ratio Lower Upper

43 100

70 42.3 0.2 0.2#

55 22.7 0.1 0.1#

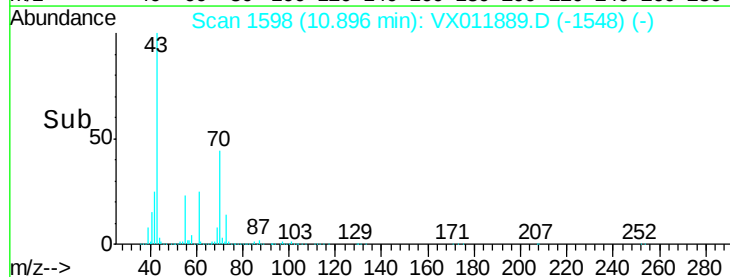
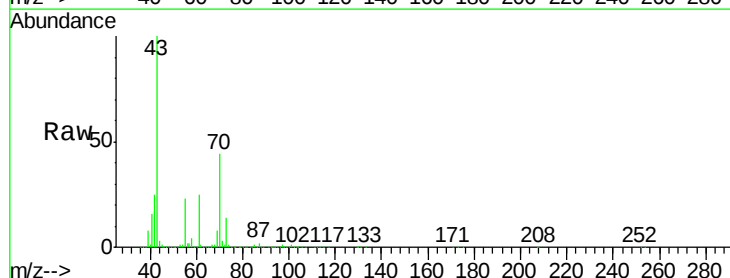
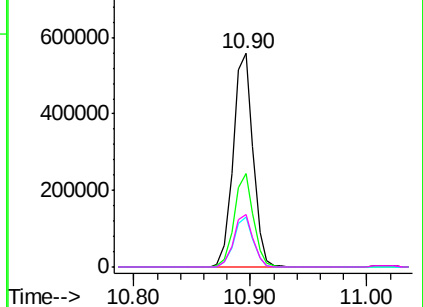
61 24.1 16.4 24.6

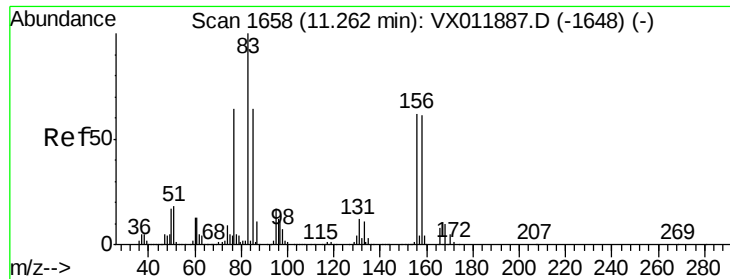
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 168.083 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Instrument :

MSVOA_X

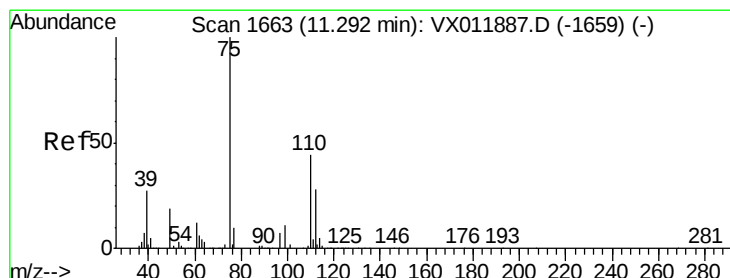
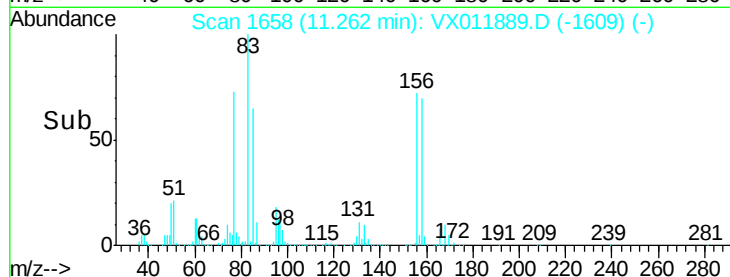
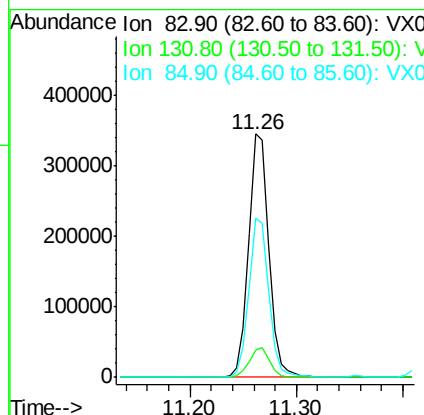
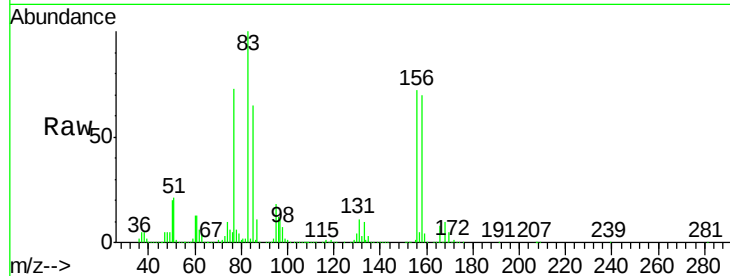
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	463924
Ion Ratio	Lower	Upper	
83	100		
131	12.2	6.0	18.0
85	64.9	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
9/3/2019 2:39:19 AM



#76

1,2,3-Trichloropropane

Concen: 176.129 ug/l m

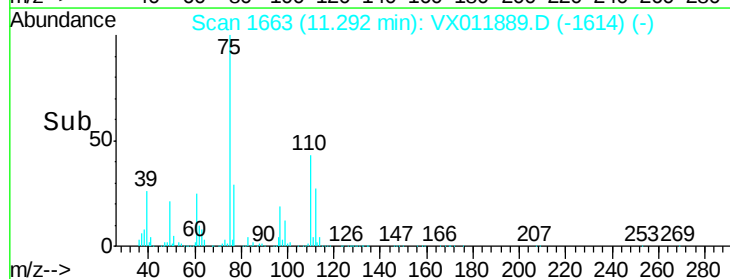
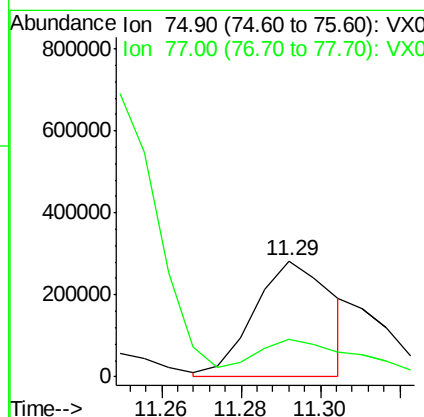
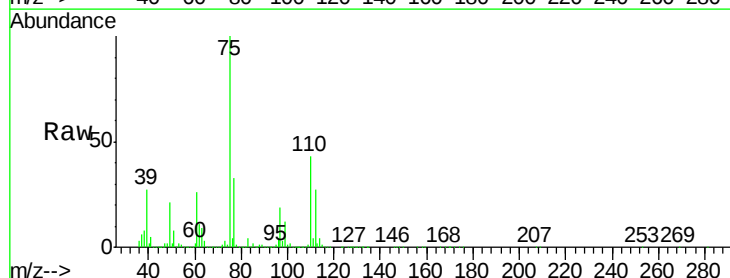
RT: 11.29 min Scan# 1663

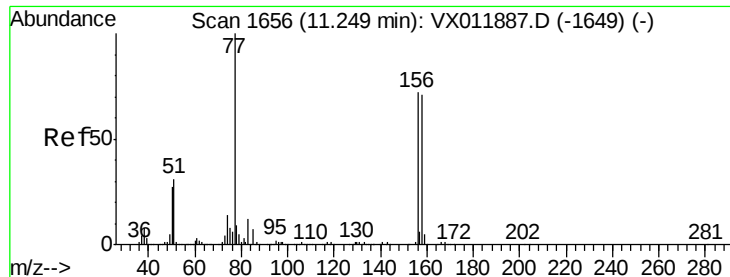
Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Tgt Ion:	75	Resp:	385026
Ion Ratio	Lower	Upper	
75	100		
77	43.0	20.9	62.7





#77

Bromobenzene

Concen: 139.910 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Instrument :

MSVOA_X

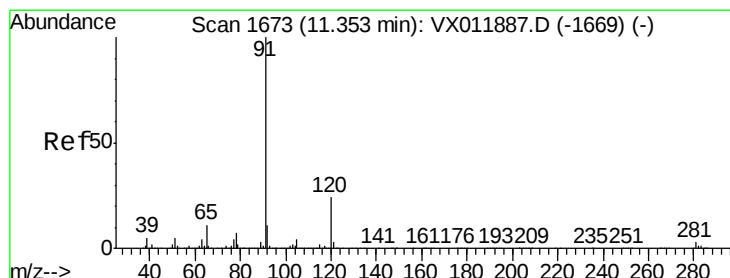
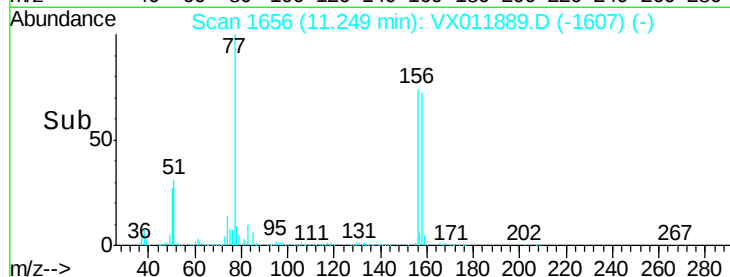
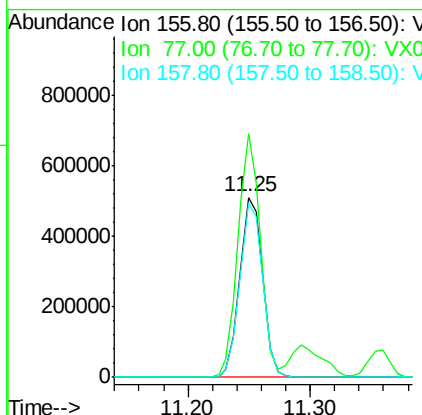
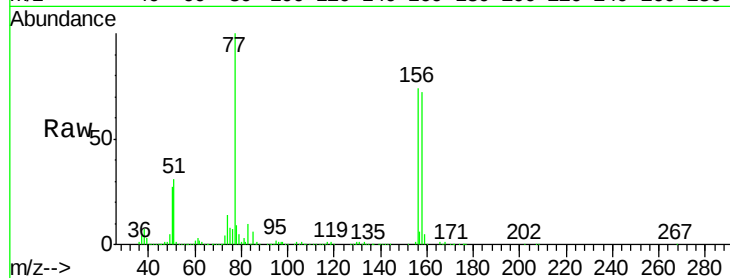
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	655225
Ion Ratio	Lower	Upper	
156	100		
77	131.8	68.1	204.3
158	97.3	48.9	146.8

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#78

n-propylbenzene

Concen: 130.010 ug/l

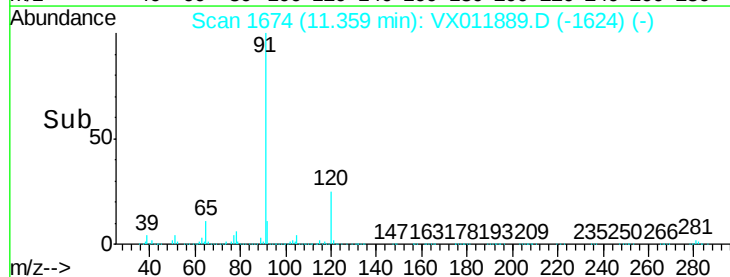
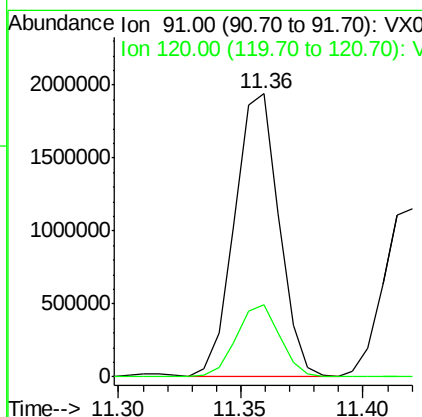
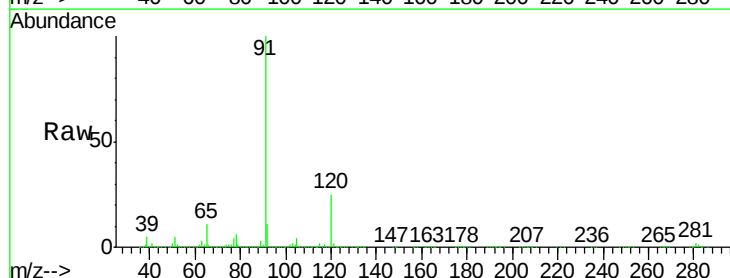
RT: 11.36 min Scan# 1674

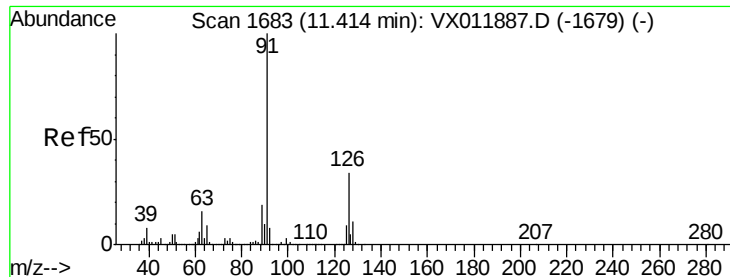
Delta R.T. 0.01 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Tgt Ion:	91	Resp:	2442050
Ion Ratio	Lower	Upper	
91	100		
120	25.1	12.3	36.9





#79

2-Chlorotoluene

Concen: 131.404 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1489971

Ion Ratio Lower Upper

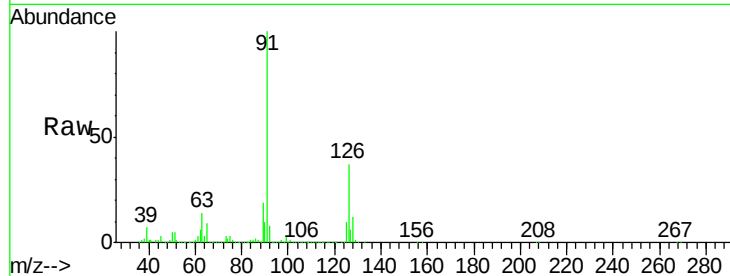
91 100

126 36.7 17.9 53.8

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Abundance Ion 91.00 (90.70 to 91.70): VX011887.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX011887.D (-1679) (-)

2000000

1500000

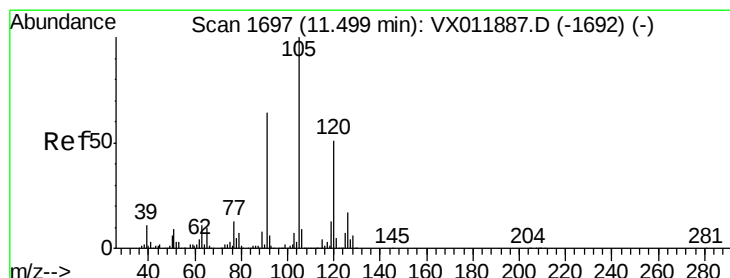
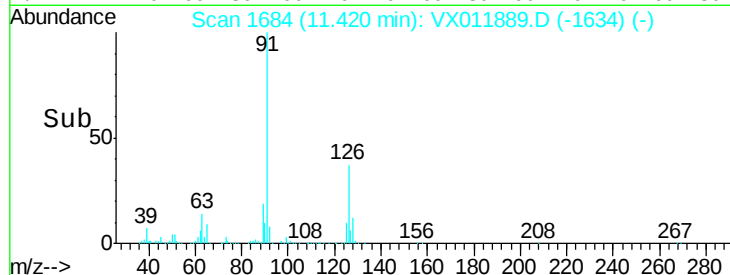
1000000

500000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 133.868 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.01 min

Lab File: VX011889.D

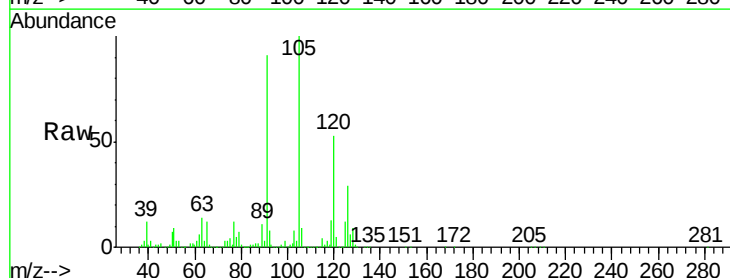
Acq: 29 Aug 2019 23:03

Tgt Ion:105 Resp: 1881831

Ion Ratio Lower Upper

105 100

120 51.4 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): VX011887.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX011887.D (-1692) (-)

1500000

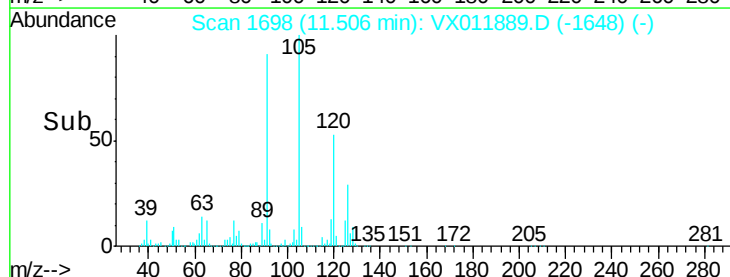
1000000

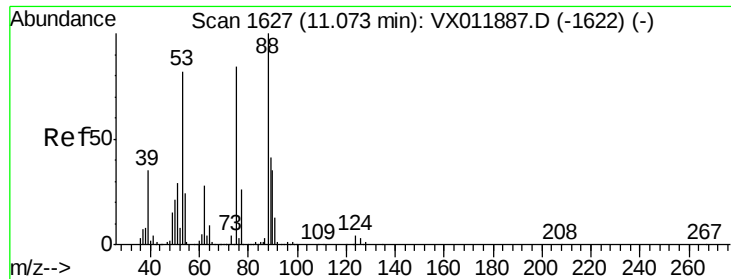
500000

0

11.50 11.51 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 267.021 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Instrument :

MSVOA_X

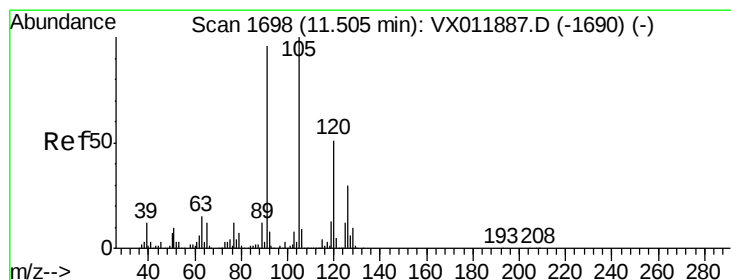
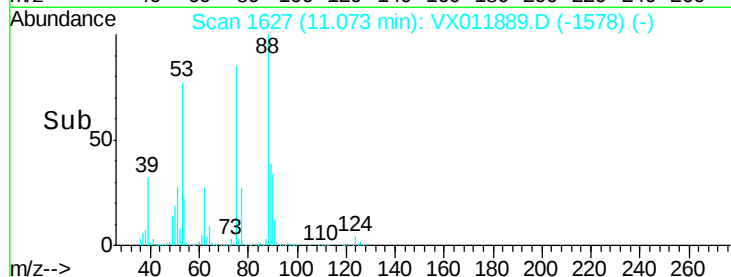
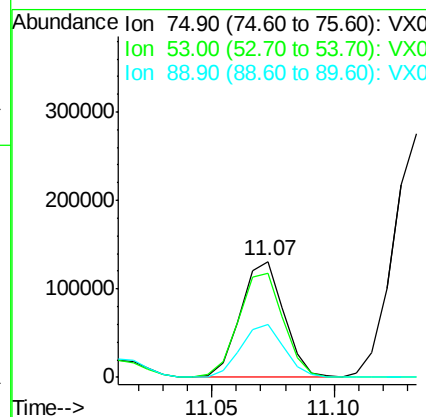
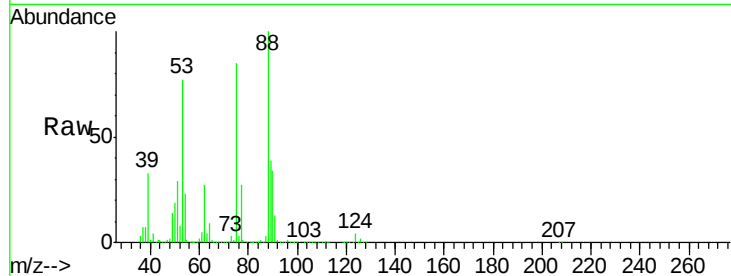
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	160616
Ion	Ratio	Lower	Upper
75	100		
53	93.0	77.1	115.7
89	46.9	38.2	57.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 131.277 ug/l

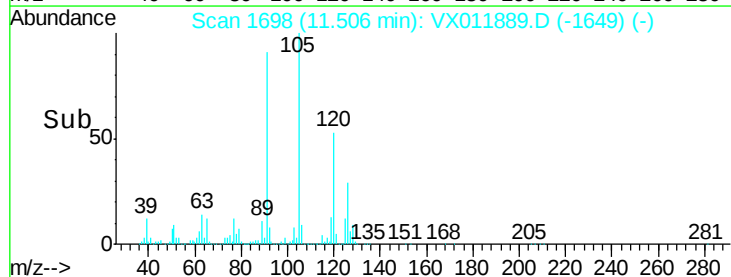
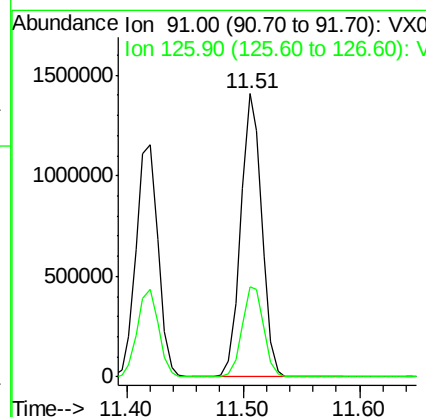
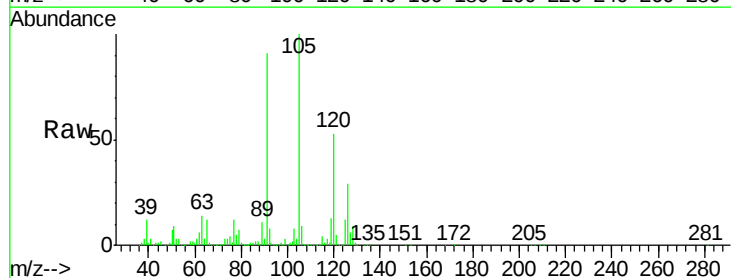
RT: 11.51 min Scan# 1698

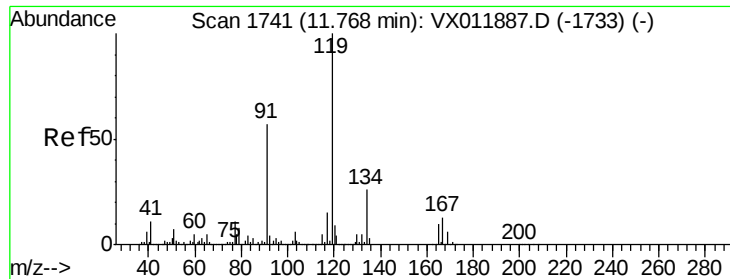
Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Tgt Ion:	91	Resp:	1773207
Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.9	47.6





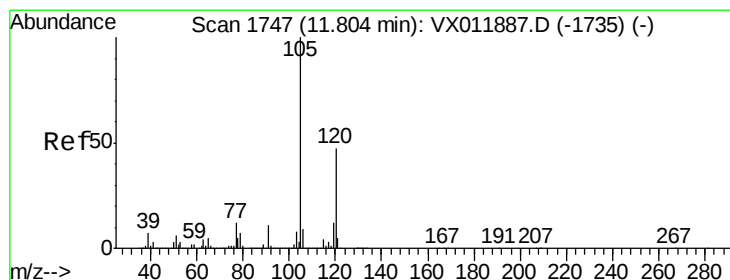
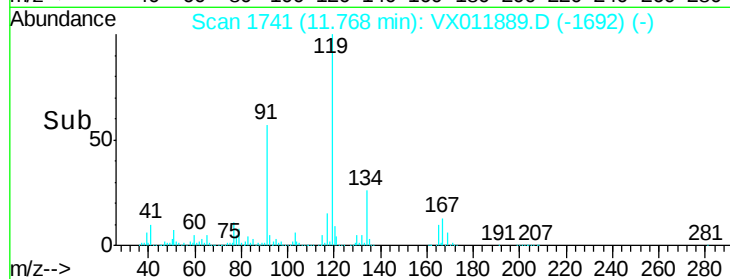
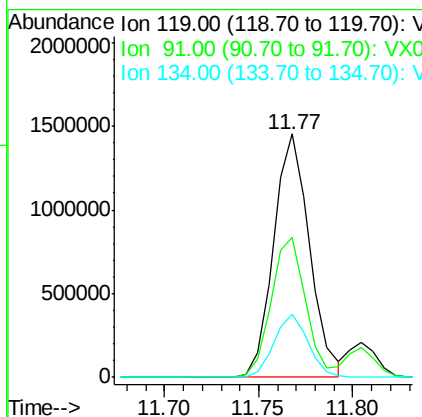
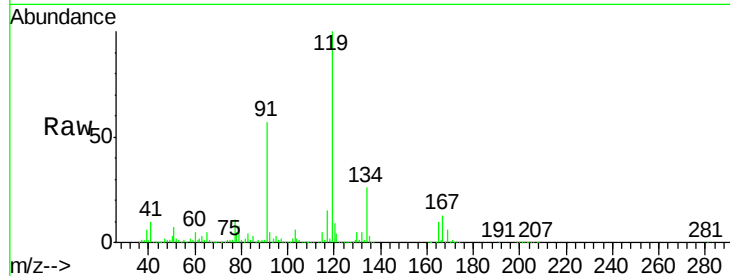
#83
tert-Butylbenzene
Concen: 141.008 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.6	27.9	83.6
134	24.5	12.3	36.8

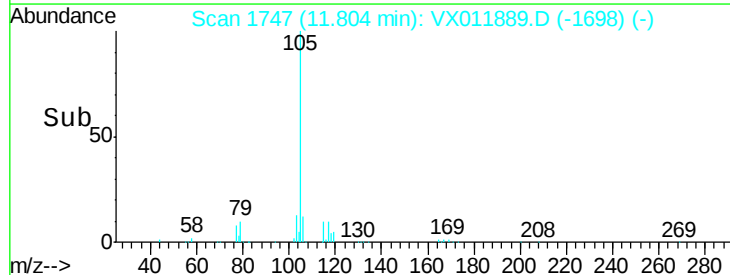
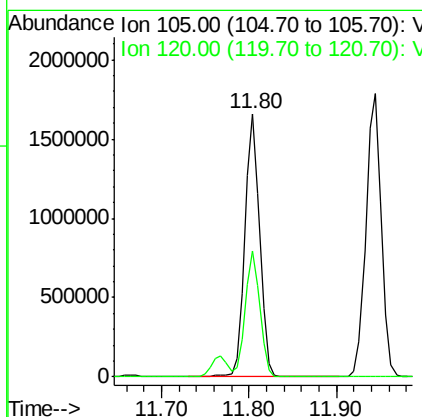
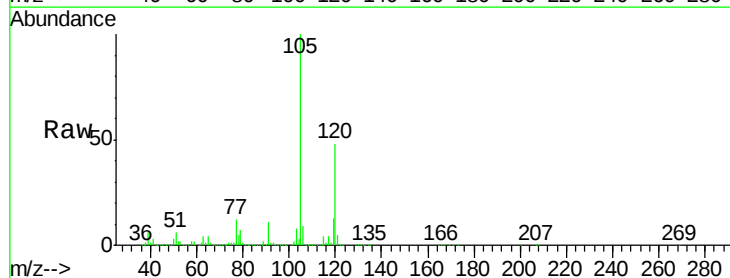
Manual Integrations
APPROVED

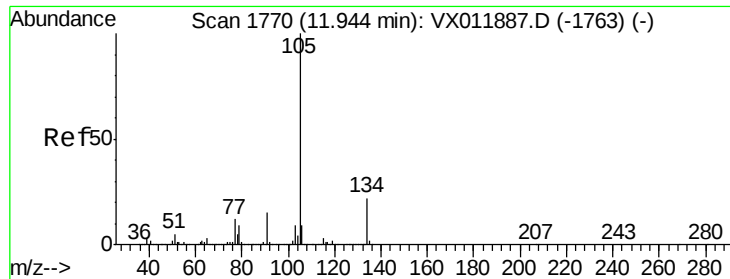
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#84
1,2,4-Trimethylbenzene
Concen: 139.024 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.4	70.3





#85

sec-Butylbenzene

Concen: 133.538 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2188994

Ion Ratio Lower Upper

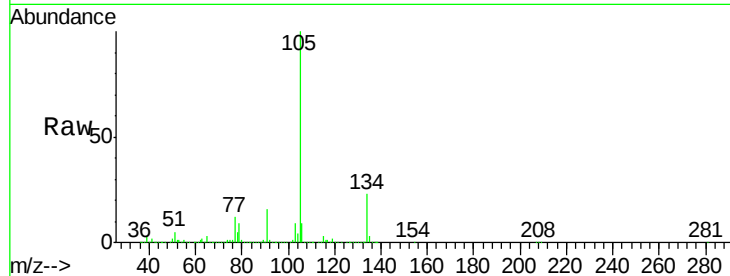
105 100

134 22.6 10.9 32.7

Manual Integrations
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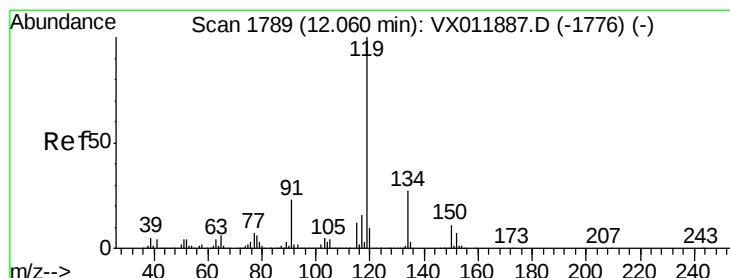
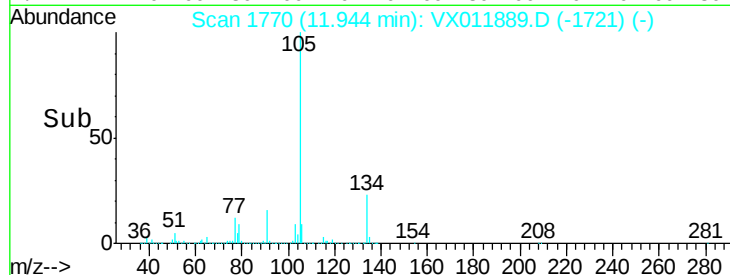
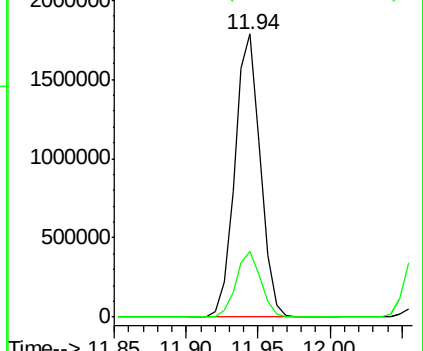
MMDadoda

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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: 140.872 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

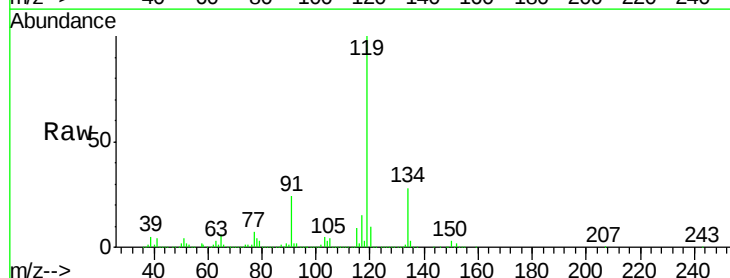
Tgt Ion:119 Resp: 2153926

Ion Ratio Lower Upper

119 100

134 27.6 13.7 41.0

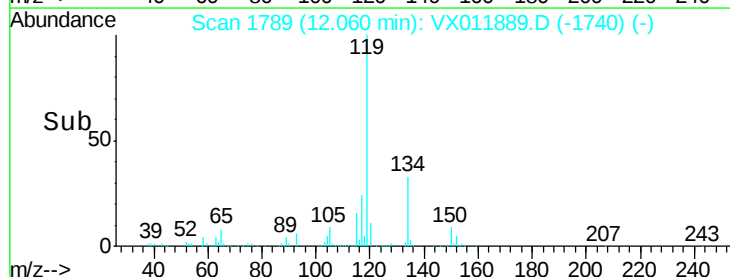
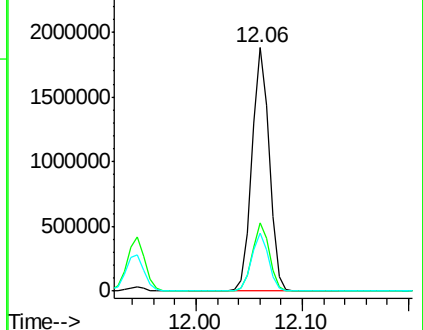
91 23.1 11.6 34.7

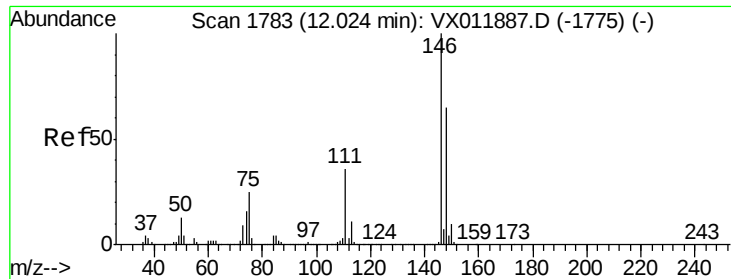


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





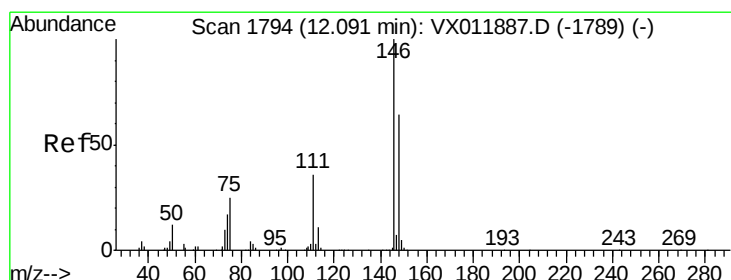
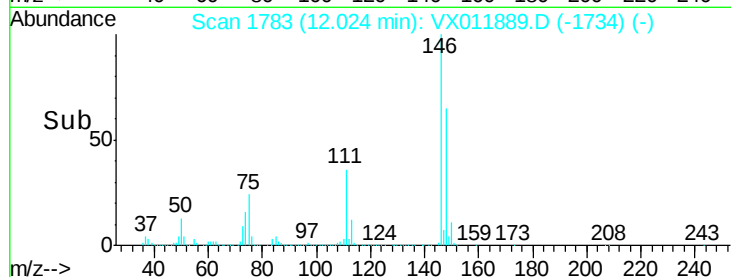
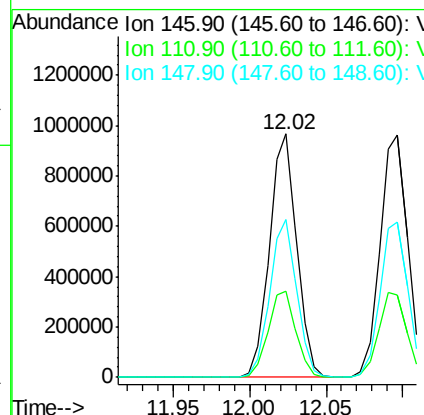
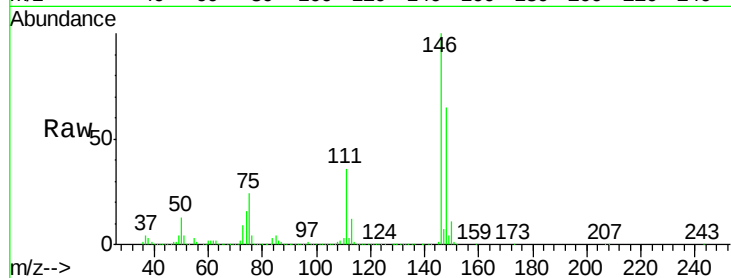
#87
 1,3-Dichlorobenzene
 Concen: 137.921 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011889.D
 Acq: 29 Aug 2019 23:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.4	55.2
148	64.4	32.1	96.5

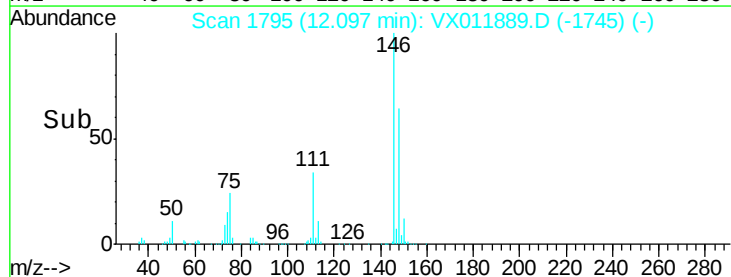
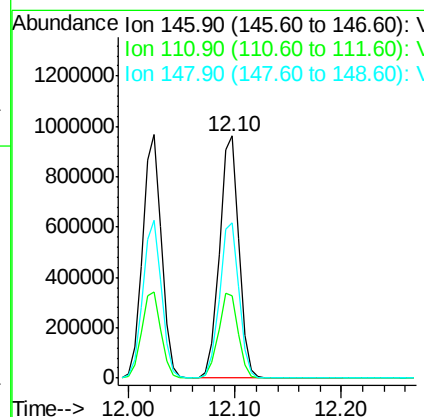
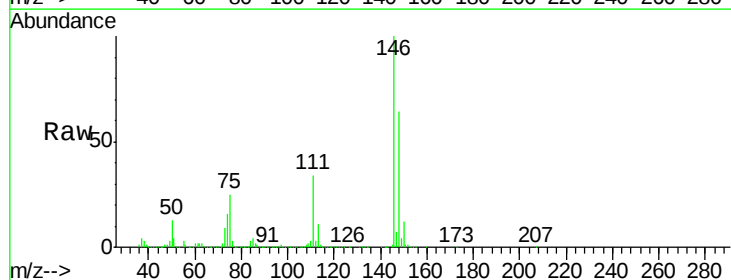
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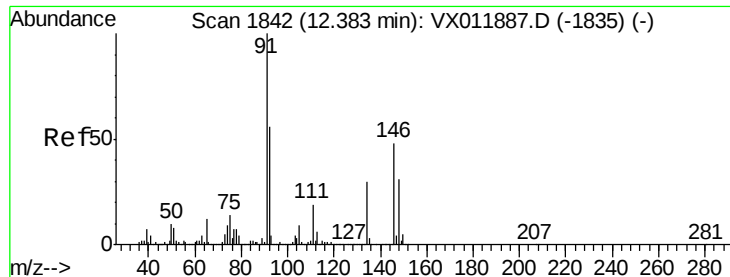
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#88
 1,4-Dichlorobenzene
 Concen: 138.410 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.01 min
 Lab File: VX011889.D
 Acq: 29 Aug 2019 23:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	17.9	53.7
148	64.6	32.4	97.0





#89

n-Butylbenzene

Concen: 139.494 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1876458

Ion Ratio Lower Upper

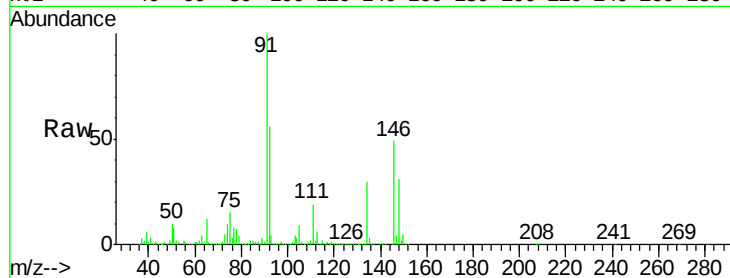
91 100

92 55.1 27.6 82.8

134 30.0 14.8 44.3

Manual Integrations
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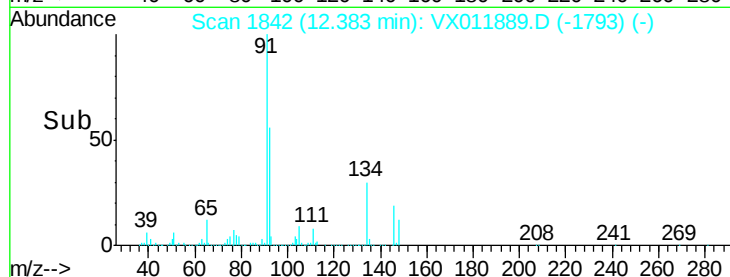


Abundance Ion 91.00 (90.70 to 91.70): VX011889.D (-1835) (-)

Ion 92.00 (91.70 to 92.70): VX011889.D (-1835) (-)

Ion 134.00 (133.70 to 134.70): VX011889.D (-1835) (-)

Time-->

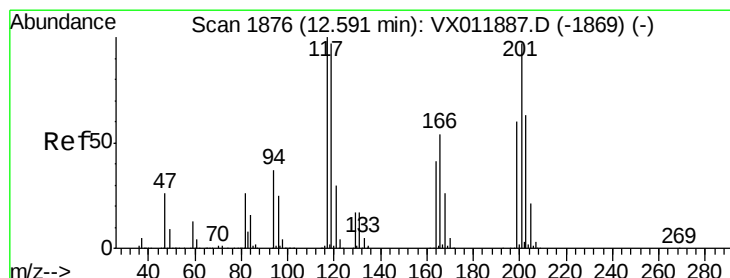


Abundance Ion 91.00 (90.70 to 91.70): VX011889.D (-1793) (-)

Ion 92.00 (91.70 to 92.70): VX011889.D (-1793) (-)

Ion 134.00 (133.70 to 134.70): VX011889.D (-1793) (-)

Time-->



#90

Hexachloroethane

Concen: 207.566 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. 0.00 min

Lab File: VX011889.D

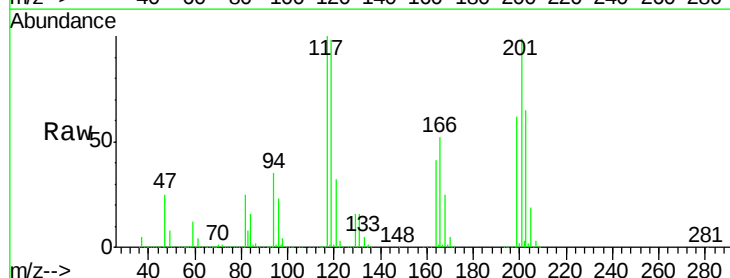
Acq: 29 Aug 2019 23:03

Tgt Ion: 117 Resp: 436297

Ion Ratio Lower Upper

117 100

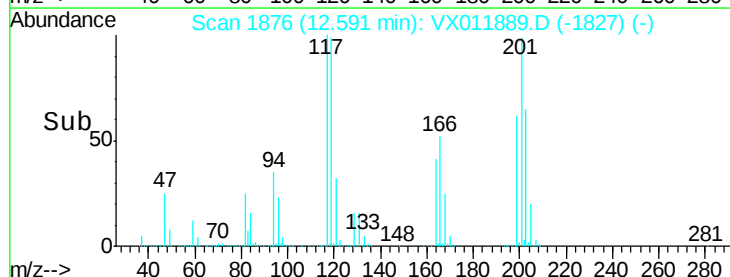
201 106.4 52.8 158.5



Abundance Ion 116.80 (116.50 to 117.50): VX011889.D (-1869) (-)

Ion 200.70 (200.40 to 201.40): VX011889.D (-1869) (-)

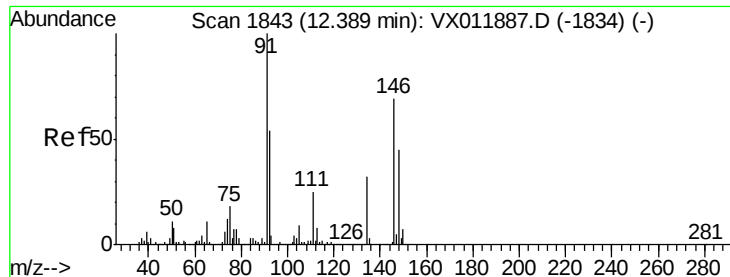
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VX011889.D (-1827) (-)

Ion 200.70 (200.40 to 201.40): VX011889.D (-1827) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 141.617 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1121903

Ion Ratio Lower Upper

146 100

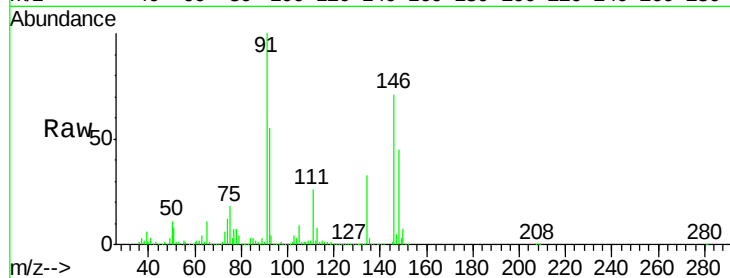
111 38.0 18.9 56.5

148 64.3 32.1 96.3

Manual Integrations
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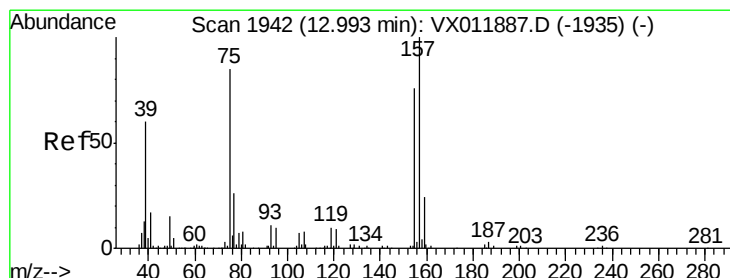
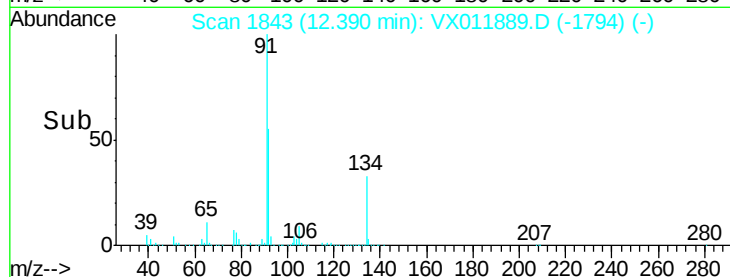
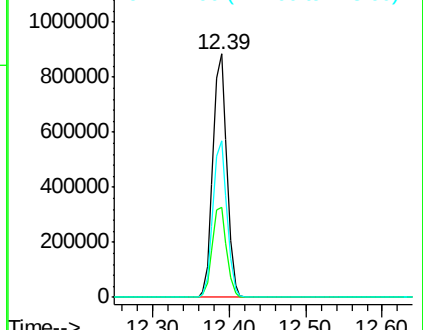
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Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 219.405 ug/l

RT: 12.99 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VX011889.D

Acq: 29 Aug 2019 23:03

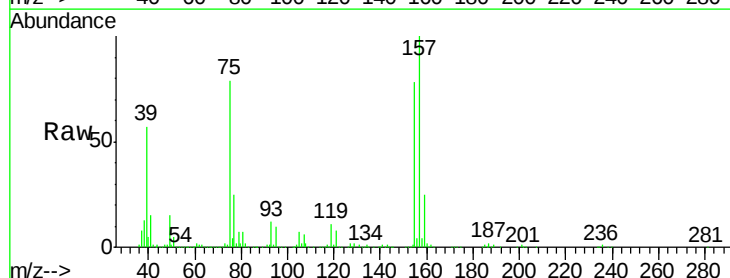
Tgt Ion: 75 Resp: 94915

Ion Ratio Lower Upper

75 100

155 104.4 50.1 150.4

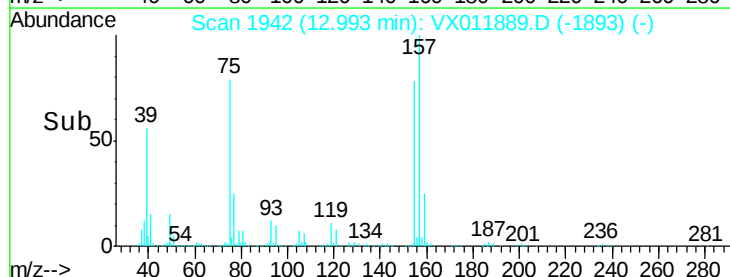
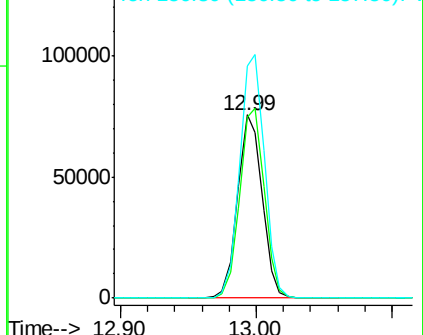
157 134.4 63.9 191.7

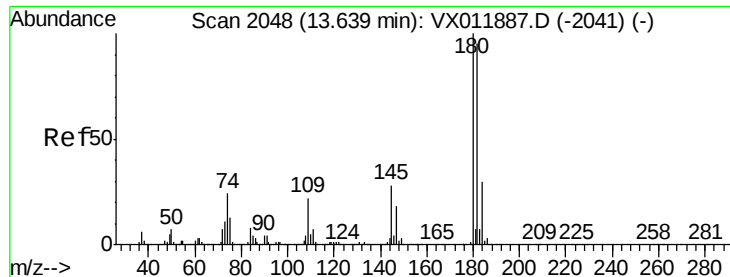


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





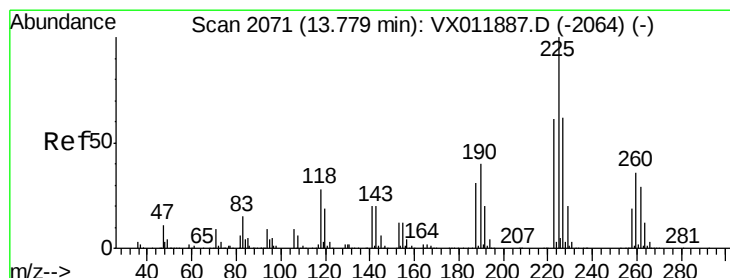
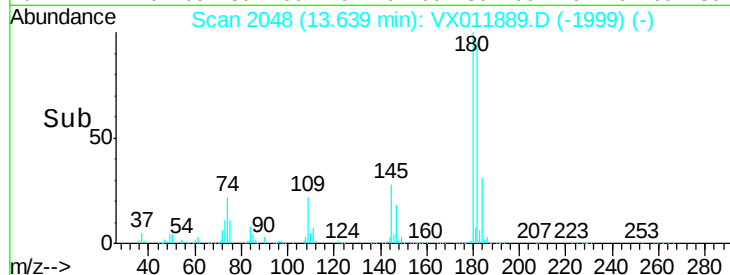
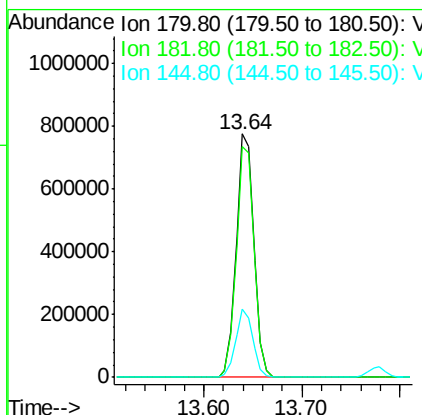
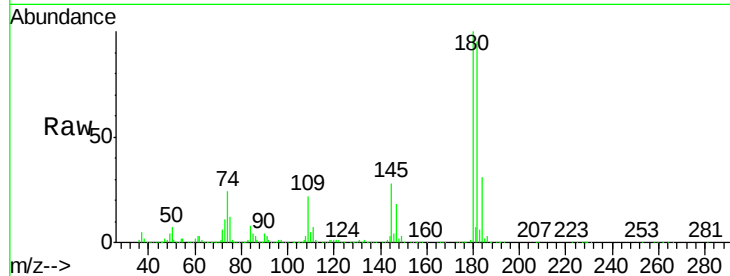
#93
 1,2,4-Trichlorobenzene
 Concen: 152.088 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: VX011889.D
 Acq: 29 Aug 2019 23:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	966927		
182	95.9	48.1	144.4	
145	27.3	13.8	41.3	

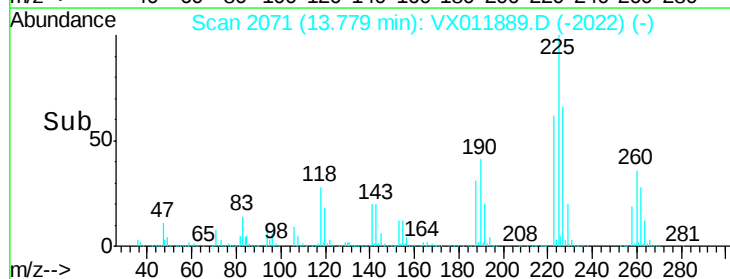
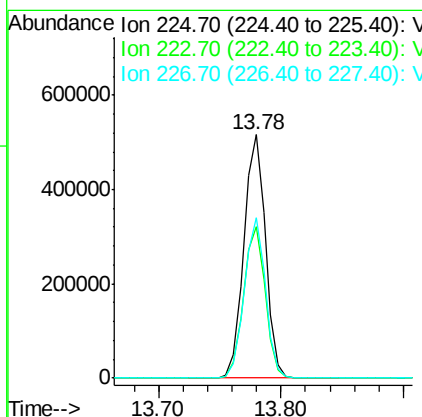
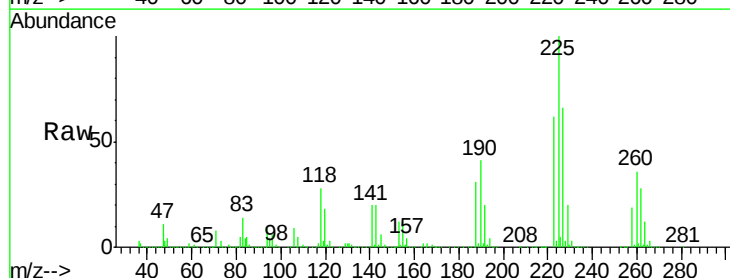
Manual Integrations
 APPROVED

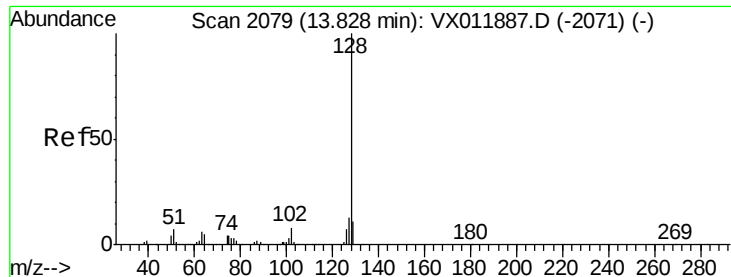
MMDadoda
 9/3/2019 2:39:19 AM



#94
 Hexachlorobutadiene
 Concen: 150.150 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011889.D
 Acq: 29 Aug 2019 23:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	628928		
223	62.4	30.8	92.3	
227	64.4	31.9	95.7	





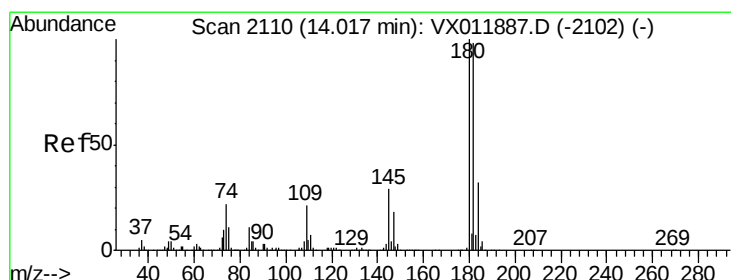
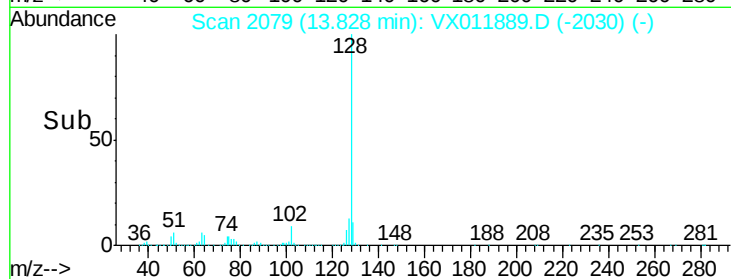
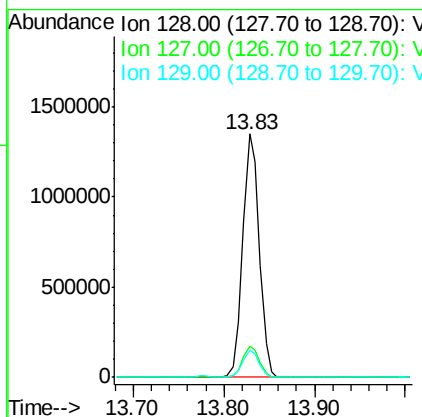
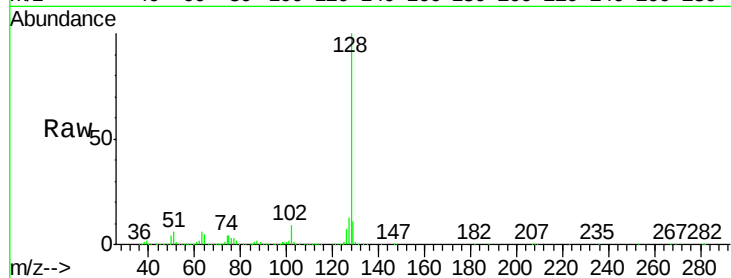
#95
Naphthalene
Concen: 179.900 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/3/2019 2:39:19 AM



#96
1,2,3-Trichlorobenzene
Concen: 157.863 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011889.D
Acq: 29 Aug 2019 23:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.3	144.8
145	29.1	14.6	43.8

