

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083119\
 Data File : VX011964.D
 Acq On : 31 Aug 2019 22:07
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 9/3/2019 12:53:07 PM

Quant Time: Sep 01 03:47:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	313564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	450817	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	432171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	255669	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	165509	55.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.18%	
35) Dibromofluoromethane	5.48	113	158255	54.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.48%	
50) Toluene-d8	8.71	98	549090	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
62) 4-Bromofluorobenzene	11.14	95	232624	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	86149	45.521	ug/l	98
3) Chloromethane	1.31	50	101414	46.226	ug/l	100
4) Vinyl Chloride	1.39	62	100022	47.745	ug/l	97
5) Bromomethane	1.62	94	76596	52.842	ug/l	99
6) Chloroethane	1.71	64	67567	51.822	ug/l	99
7) Trichlorofluoromethane	1.92	101	181336	49.841	ug/l	100
8) Diethyl Ether	2.17	74	68634	54.891	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	118468	49.960	ug/l	98
10) Methyl Iodide	2.50	142	126381	48.904	ug/l	99
11) Tert butyl alcohol	3.03	59	80851	279.733	ug/l	100
12) 1,1-Dichloroethene	2.36	96	113192	51.397	ug/l	98
13) Acrolein	2.28	56	31951	222.104	ug/l	97
14) Allyl chloride	2.71	41	216981	52.523	ug/l	99
15) Acrylonitrile	3.12	53	193180	281.274	ug/l	99
16) Acetone	2.42	43	171284	264.986	ug/l	100
17) Carbon Disulfide	2.56	76	294393	46.604	ug/l	99
18) Methyl Acetate	2.76	43	107197	59.910	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	402379	56.398	ug/l	100
20) Methylene Chloride	2.84	84	150303	54.985	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	138399	53.349	ug/l	98
22) Diisopropyl ether	3.84	45	466260	55.285	ug/l	99
23) Vinyl Acetate	3.80	43	1462147	269.655	ug/l	100
24) 1,1-Dichloroethane	3.68	63	256795	55.216	ug/l	99
25) 2-Butanone	4.65	43	263036	279.397	ug/l	98
26) 2,2-Dichloropropane	4.56	77	195524	50.125	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	174934	57.248	ug/l	98
28) Bromochloromethane	5.00	49	110681	53.036	ug/l	96
29) Tetrahydrofuran	5.11	42	163310	277.920	ug/l	99
30) Chloroform	5.19	83	283587	57.028	ug/l	99
31) Cyclohexane	5.56	56	170303	45.399	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	242414	54.879	ug/l	99
36) 1,1-Dichloropropene	5.78	75	177226	49.621	ug/l	99
37) Ethyl Acetate	4.81	43	115212	54.496	ug/l	99
38) Carbon Tetrachloride	5.77	117	215626	52.056	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	187837	44.154	ug/l	98
40) Benzene	6.12	78	568782	53.352	ug/l	98
41) Methacrylonitrile	5.02	41	68022	54.645	ug/l	99
42) 1,2-Dichloroethane	6.18	62	202520	55.860	ug/l	100
43) Isopropyl Acetate	6.43	43	232251	54.184	ug/l	99
44) Trichloroethene	7.20	130	176491	53.506	ug/l	97
45) 1,2-Dichloropropane	7.50	63	151204	54.221	ug/l	99
46) Dibromomethane	7.65	93	91384	55.217	ug/l	98
47) Bromodichloromethane	7.89	83	229317	55.878	ug/l	100
48) Methyl methacrylate	7.76	41	114685	54.990	ug/l	99
49) 1,4-Dioxane	7.73	88	33184	1157.077	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	595254	273.367	ug/l	99
52) Toluene	8.78	92	379636	53.826	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	228074	54.255	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	253542	53.729	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	135941	56.108	ug/l	98
56) Ethyl methacrylate	9.17	69	185496	55.164	ug/l	98
57) 1,3-Dichloropropane	9.37	76	224891	55.923	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	436982	272.840	ug/l	98
59) 2-Hexanone	9.48	43	417641	270.012	ug/l	99
60) Dibromochloromethane	9.57	129	186473	57.304	ug/l	100
61) 1,2-Dibromoethane	9.67	107	135691	56.487	ug/l	100
64) Tetrachloroethene	9.33	164	196701	56.582	ug/l	98
65) Chlorobenzene	10.14	112	457470	54.624	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	188946	55.791	ug/l	99
67) Ethyl Benzene	10.25	91	751146	52.728	ug/l	100
68) m/p-Xylenes	10.35	106	582036	105.810	ug/l	100
69) o-Xylene	10.70	106	287393	53.615	ug/l	100
70) Styrene	10.71	104	514556	54.461	ug/l	100
71) Bromoform	10.85	173	136040	56.808	ug/l #	100
73) Isopropylbenzene	11.01	105	765818	52.131	ug/l	100
74) N-amyl acetate	10.89	43	223945	51.369	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.26	83	161172	53.609	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	121115m	48.157	ug/l	
77) Bromobenzene	11.25	156	233828	54.883	ug/l	97
78) n-propylbenzene	11.35	91	860324	51.646	ug/l	100
79) 2-Chlorotoluene	11.42	91	529341	52.792	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	669977	52.838	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	49347	49.291	ug/l	98
82) 4-Chlorotoluene	11.51	91	636941	52.655	ug/l	99
83) tert-Butylbenzene	11.76	119	675176	52.477	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	682126	52.492	ug/l	100
85) sec-Butylbenzene	11.94	105	768826	51.446	ug/l	99
86) p-Isopropyltoluene	12.06	119	752825	51.951	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	428366	54.099	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	430967	53.839	ug/l	99
89) n-Butylbenzene	12.38	91	642011	50.077	ug/l	99
90) Hexachloroethane	12.59	117	151012	53.867	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	404005	54.879	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	32024	53.473	ug/l	96

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Quant Title : SW846 8260
QLast Update : Fri Aug 30 01:59:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	329917	53.223	ug/l	99
94) Hexachlorobutadiene	13.77	225	210302	50.801	ug/l	98
95) Naphthalene	13.83	128	567663	53.360	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	296815	52.951	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 313564

Ion Ratio Lower Upper

168 100

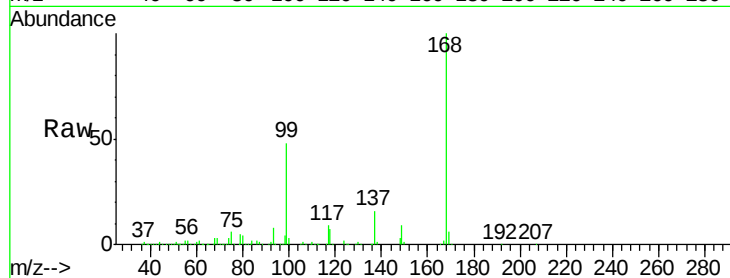
99 47.8 38.4 57.6

Manual Integrations

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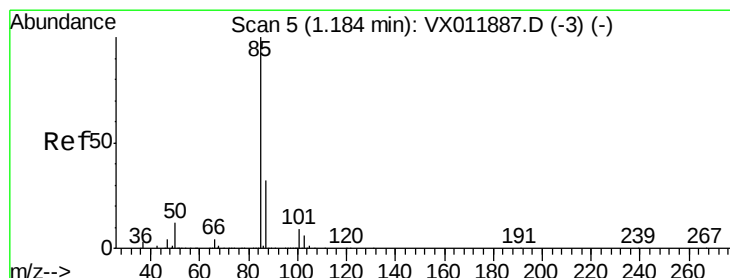
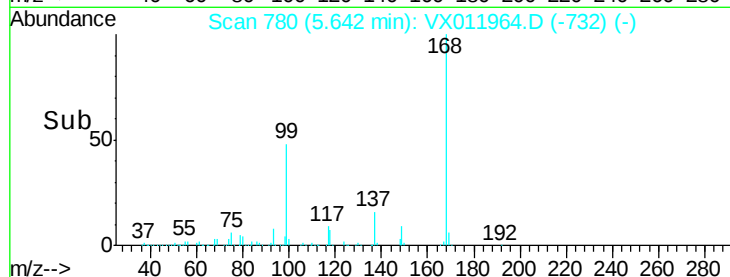
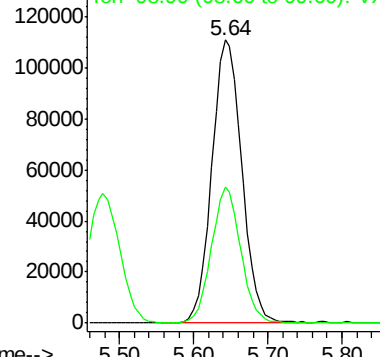
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 45.521 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX011964.D

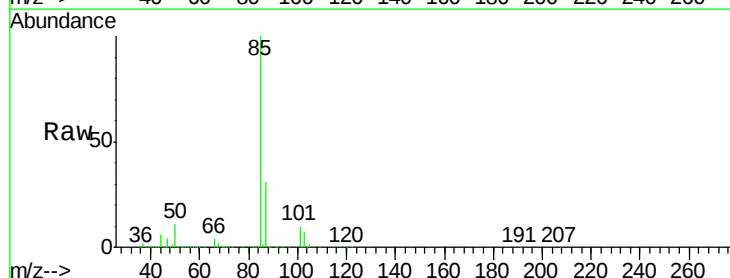
Acq: 31 Aug 2019 22:07

Tgt Ion: 85 Resp: 86149

Ion Ratio Lower Upper

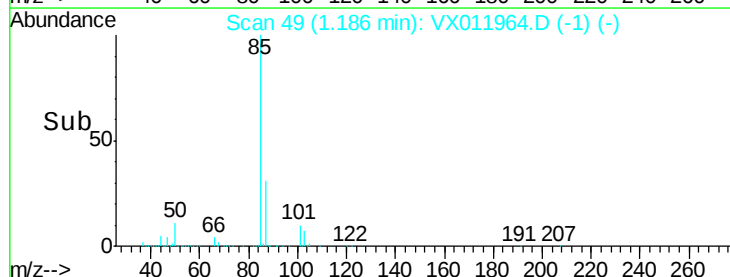
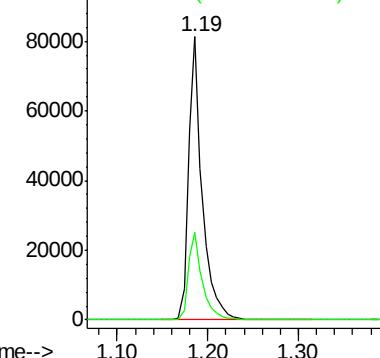
85 100

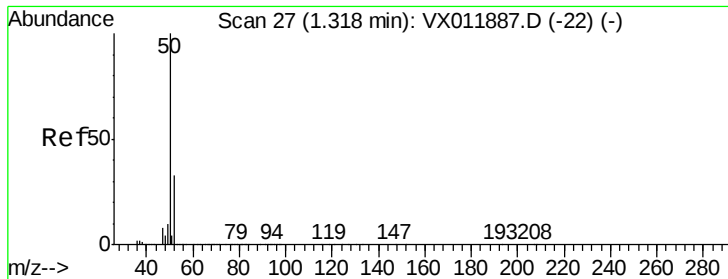
87 30.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 46.226 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 101414

Ion Ratio Lower Upper

50 100

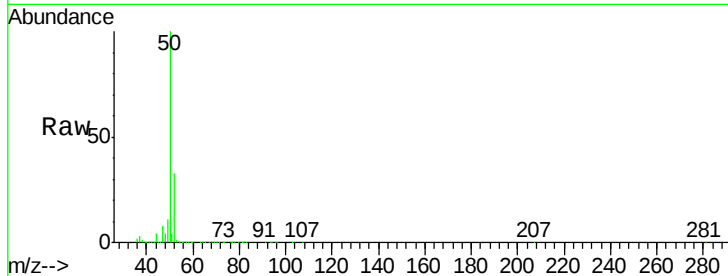
52 32.4 26.0 39.0

Manual Integrations

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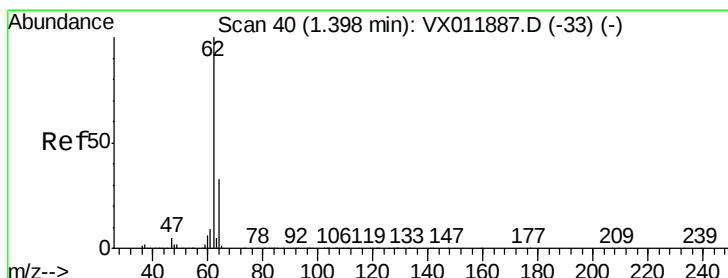
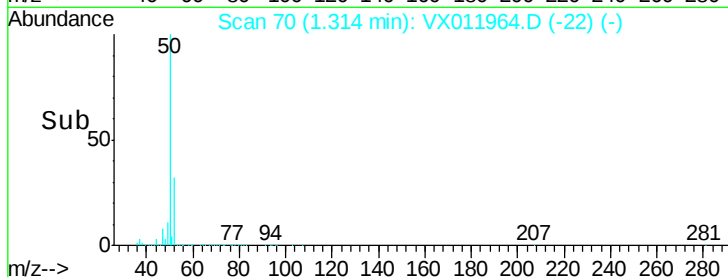
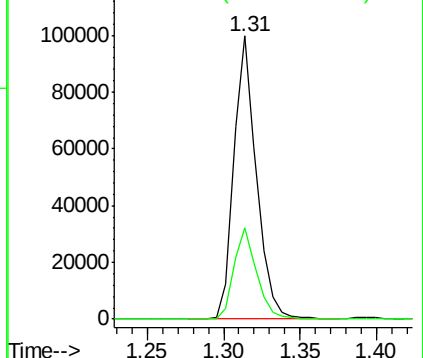
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 47.745 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX011964.D

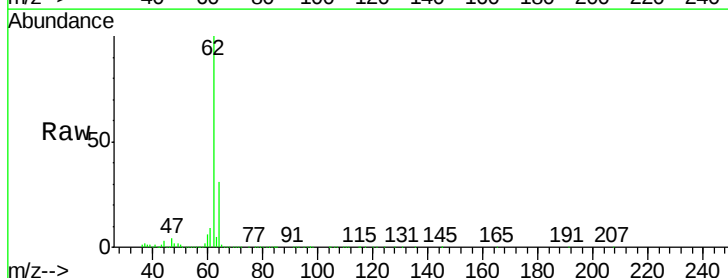
Acq: 31 Aug 2019 22:07

Tgt Ion: 62 Resp: 100022

Ion Ratio Lower Upper

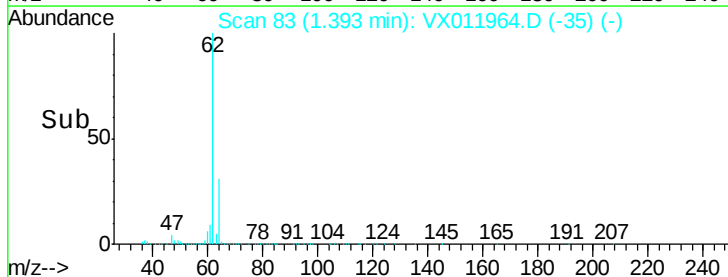
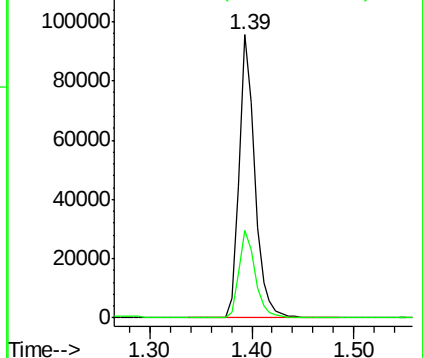
62 100

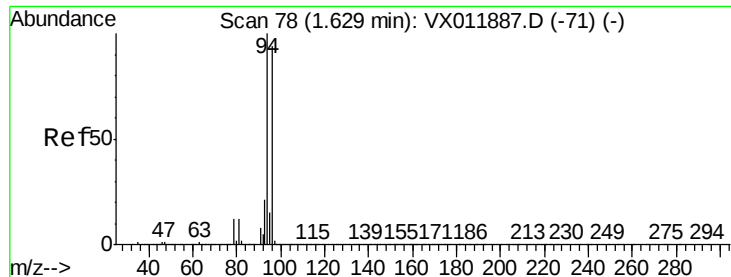
64 30.7 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 52.842 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 76596

Ion Ratio Lower Upper

94 100

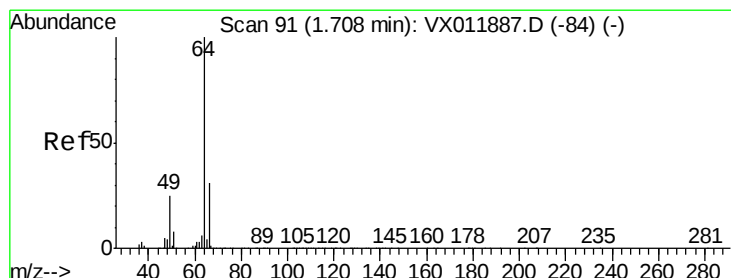
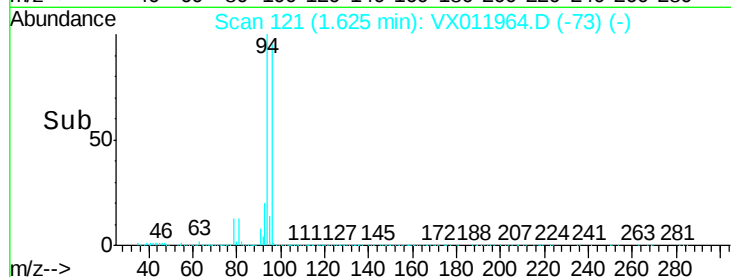
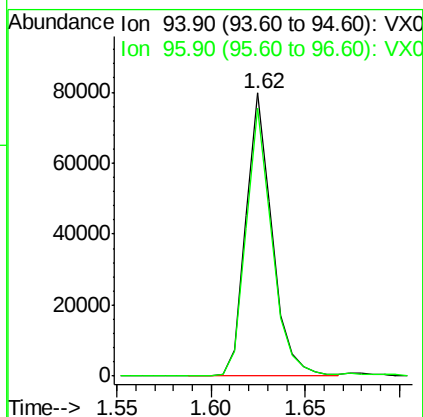
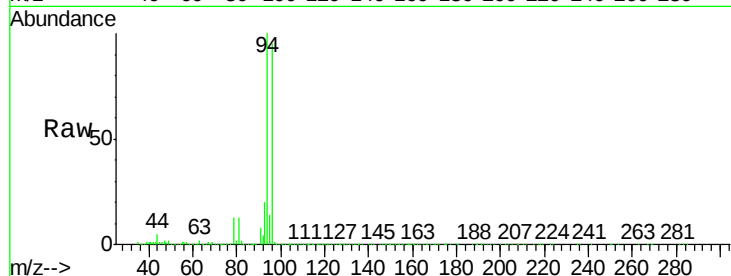
96 94.8 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 51.822 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX011964.D

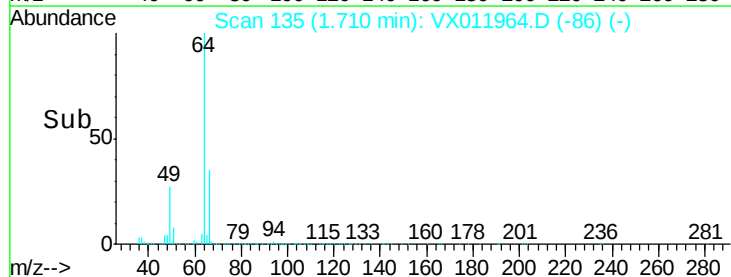
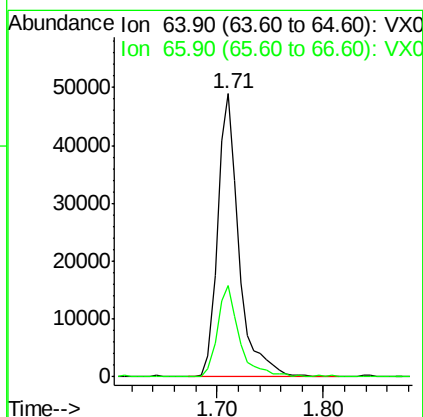
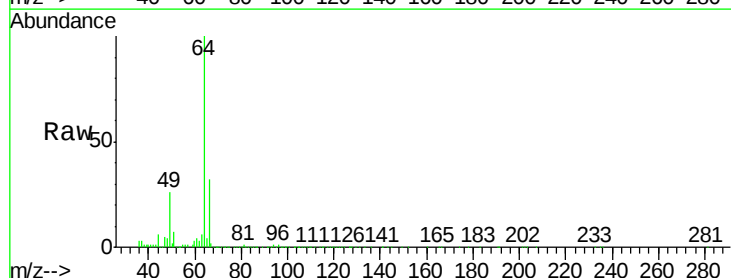
Acq: 31 Aug 2019 22:07

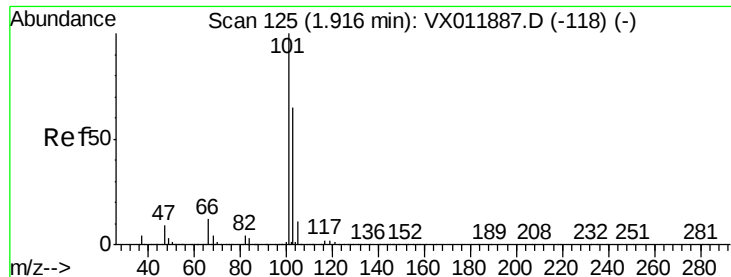
Tgt Ion: 64 Resp: 67567

Ion Ratio Lower Upper

64 100

66 31.9 25.0 37.4





#7

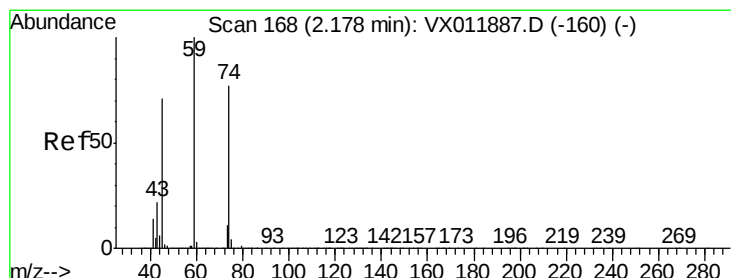
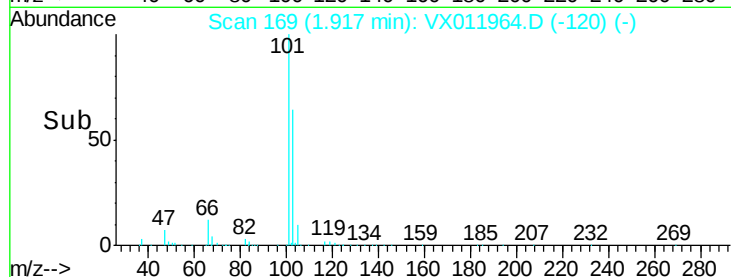
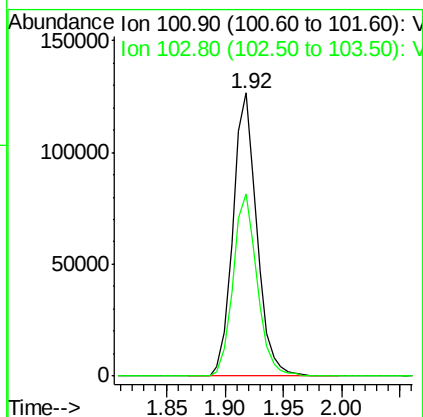
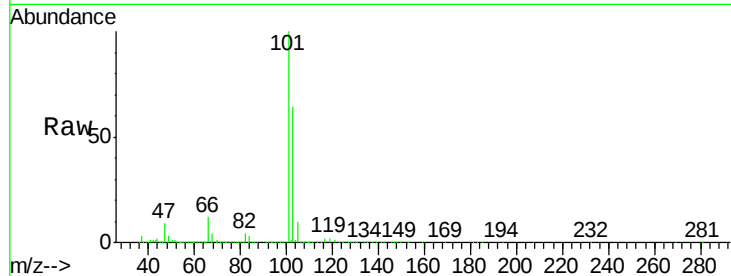
Trichlorofluoromethane
Concen: 49.841 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

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ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	181336		
103	64.4	51.6	77.4	

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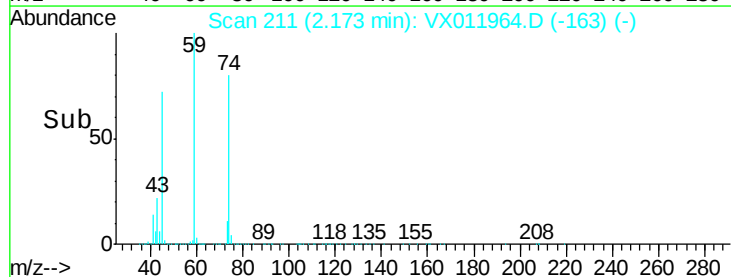
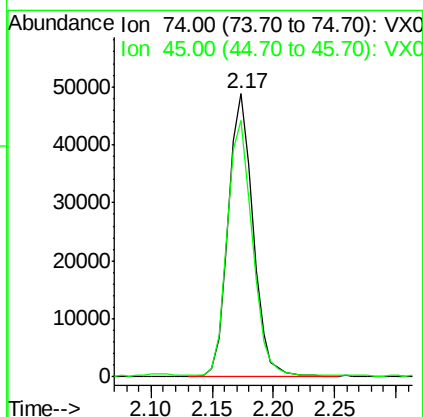
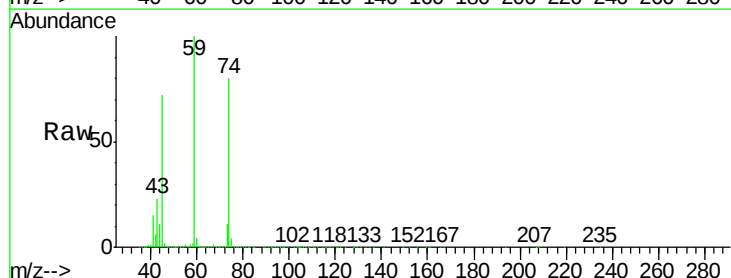
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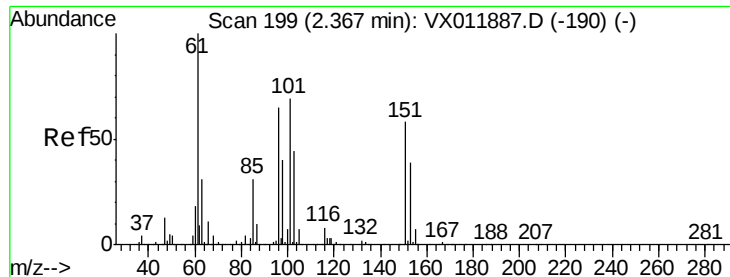


#8

Diethyl Ether
Concen: 54.891 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	68634		
45	91.0	46.7	140.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.960 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Instrument :

MSVOA_X

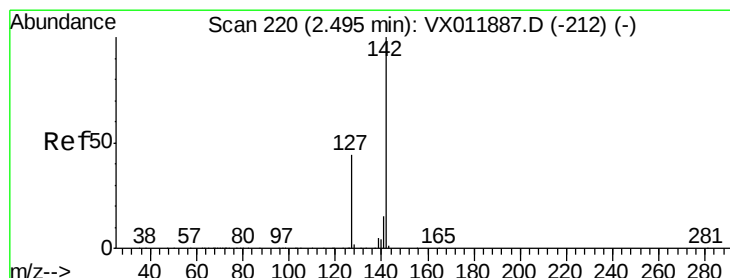
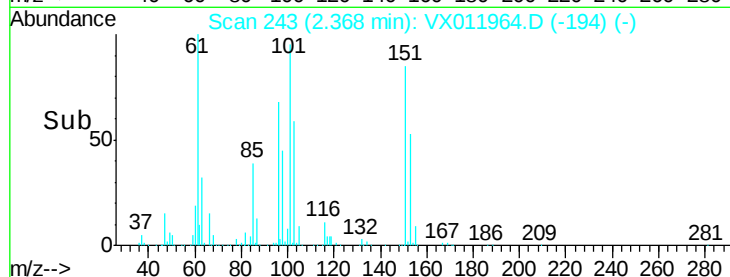
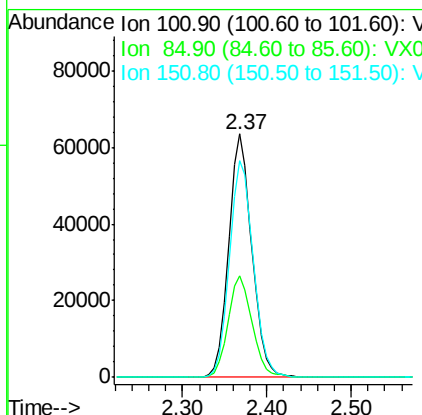
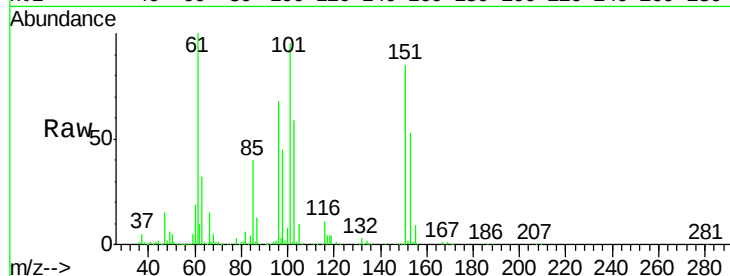
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	118468
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.9	52.3
151	91.5	70.9	106.3

Manual Integrations
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sam
9/3/2019 12:53:07 PM



#10

Methyl Iodide

Concen: 48.904 ug/l

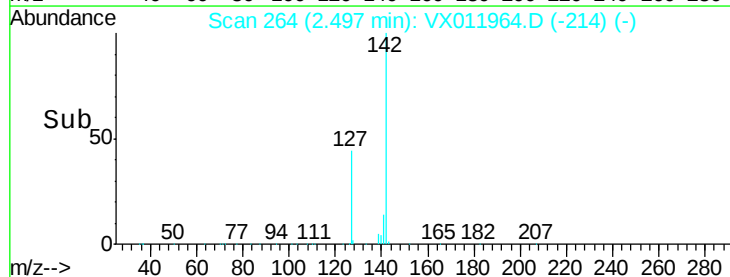
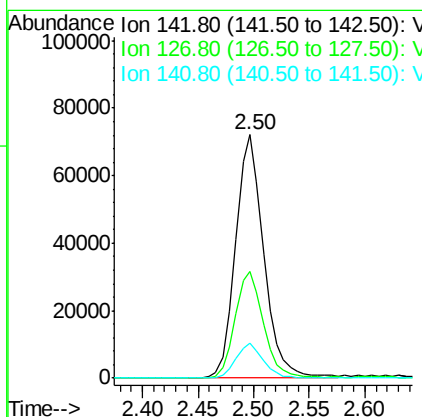
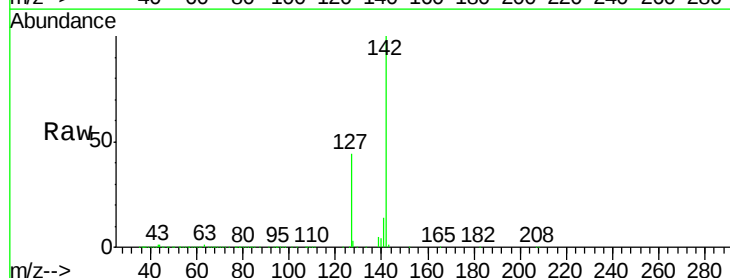
RT: 2.50 min Scan# 264

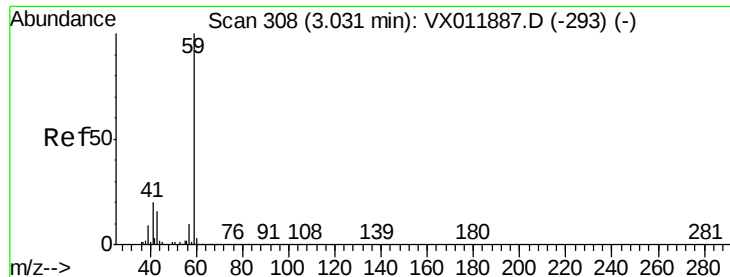
Delta R.T. 0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Tgt Ion:	142	Resp:	126381
Ion Ratio	Lower	Upper	
142	100		
127	44.3	35.7	53.5
141	14.4	11.8	17.6





#11

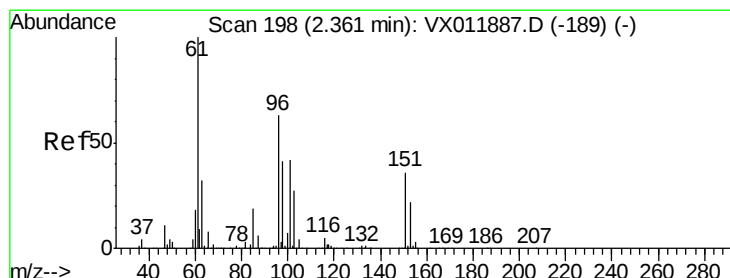
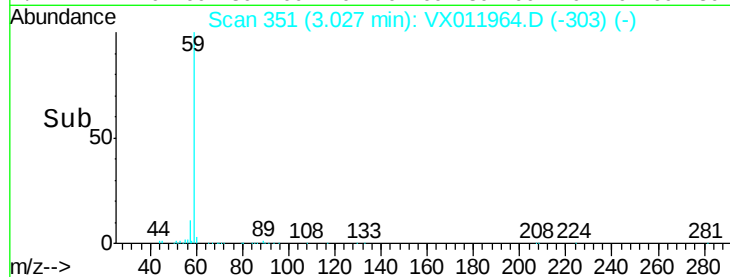
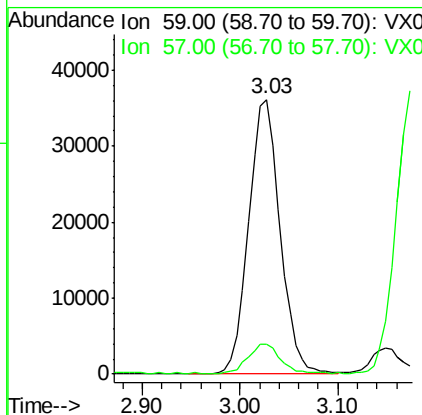
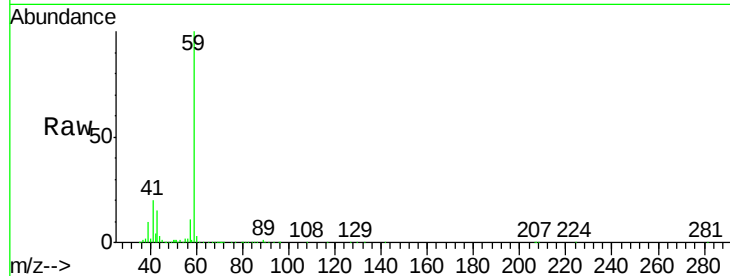
Tert butyl alcohol
Concen: 279.733 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.6	12.8

Manual Integrations
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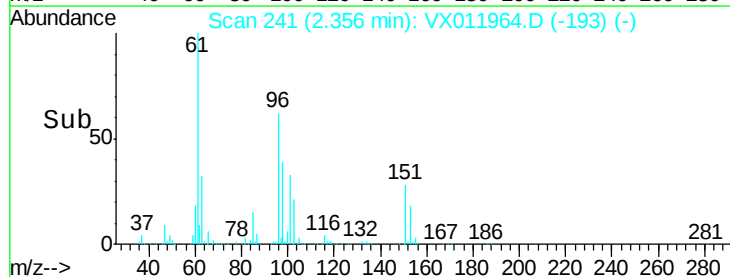
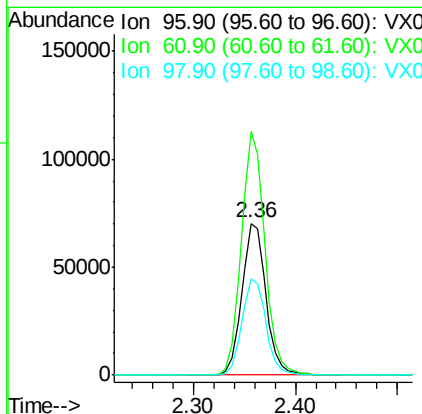
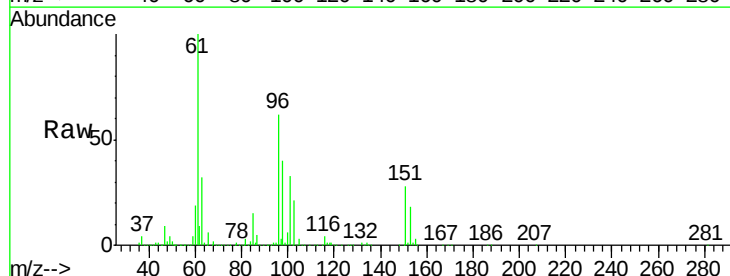
sam
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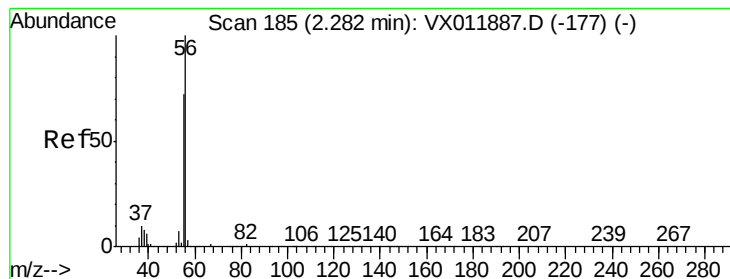


#12

1,1-Dichloroethene
Concen: 51.397 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.6	126.6	190.0
98	63.5	51.6	77.4





#13

Acrolein

Concen: 222.104 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 31951

Ion Ratio Lower Upper

56 100

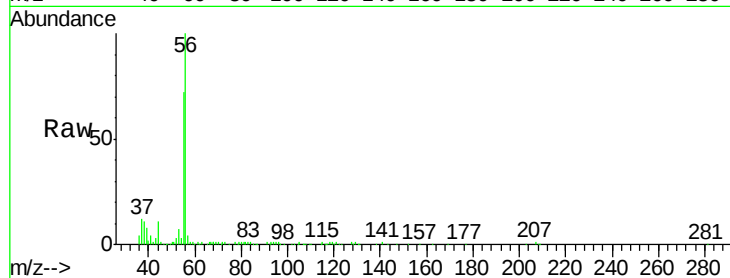
55 70.6 58.6 88.0

Manual Integrations

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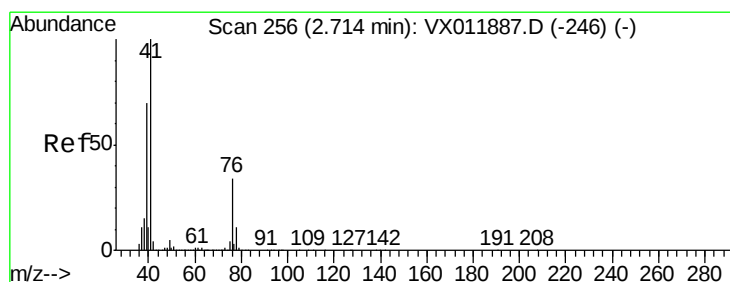
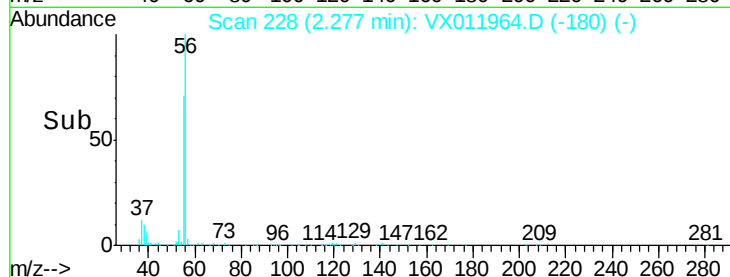
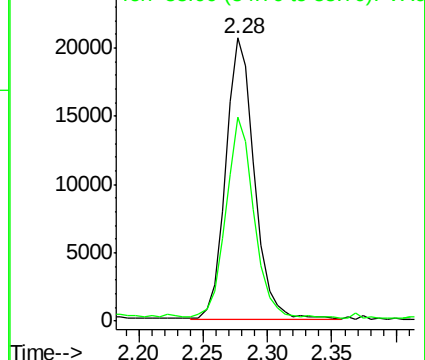
sam

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 52.523 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

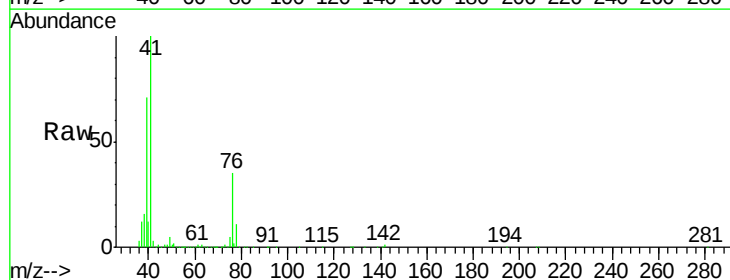
Tgt Ion: 41 Resp: 216981

Ion Ratio Lower Upper

41 100

39 69.7 55.0 82.6

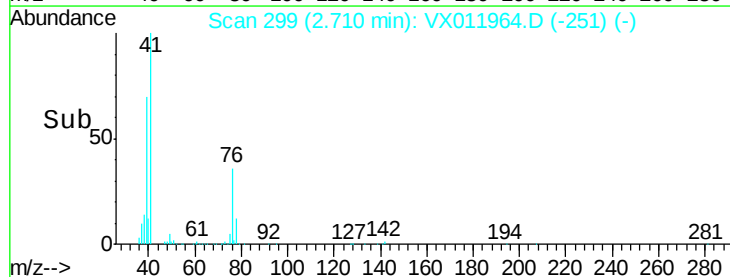
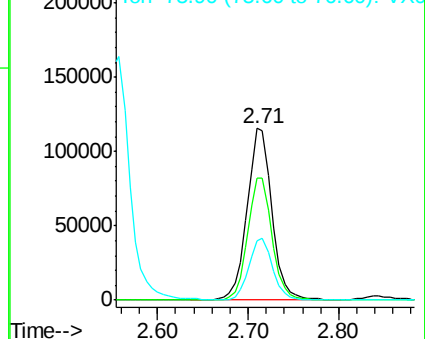
76 34.4 27.0 40.4

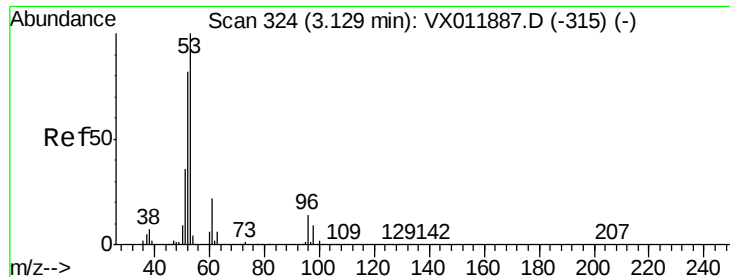


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 281.274 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Instrument :

MSVOA_X

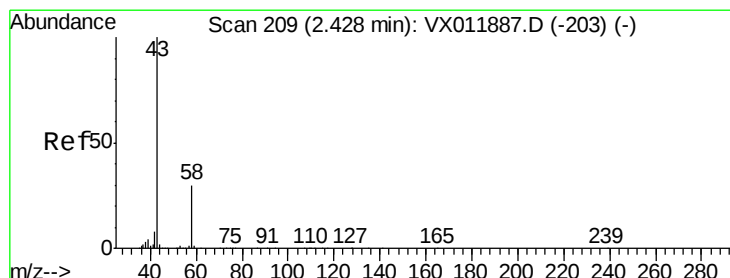
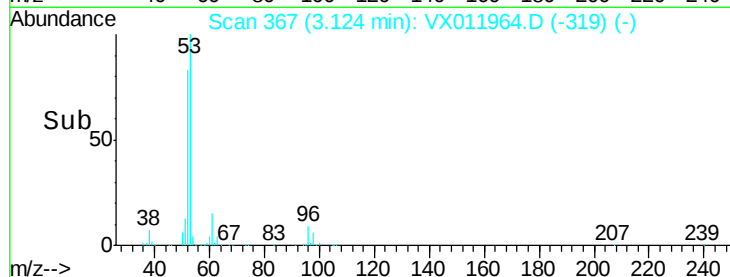
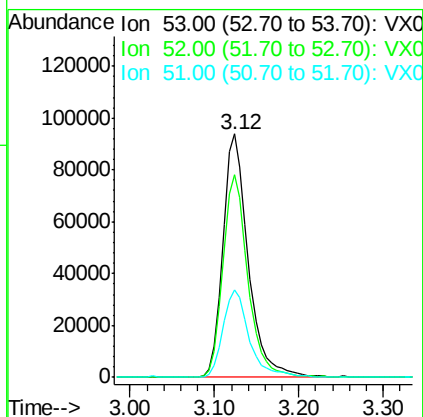
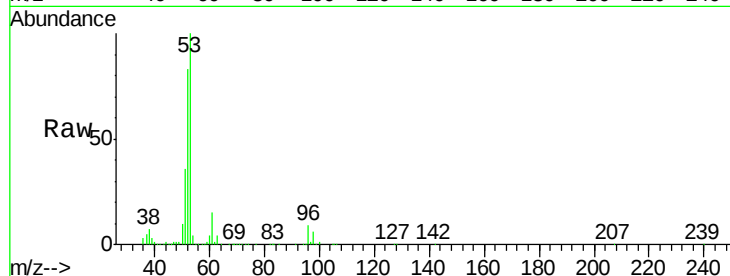
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	193180
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.3	97.9
51	37.3	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 264.986 ug/l

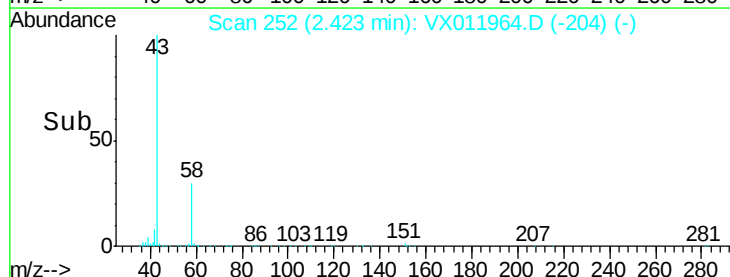
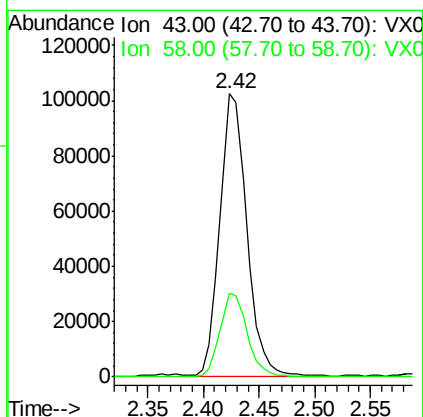
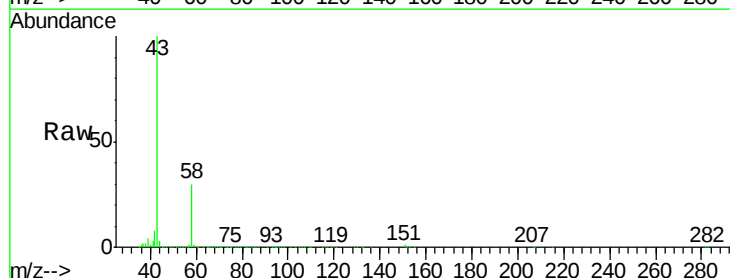
RT: 2.42 min Scan# 252

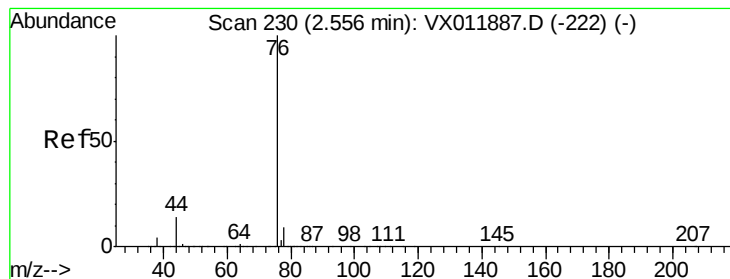
Delta R.T. -0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Tgt Ion:	43	Resp:	171284
Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.8	35.8





#17

Carbon Disulfide

Concen: 46.604 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Tot Ion: 76 Resp: 294393

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

Instrument :

MSVOA_X

ClientSampleId :

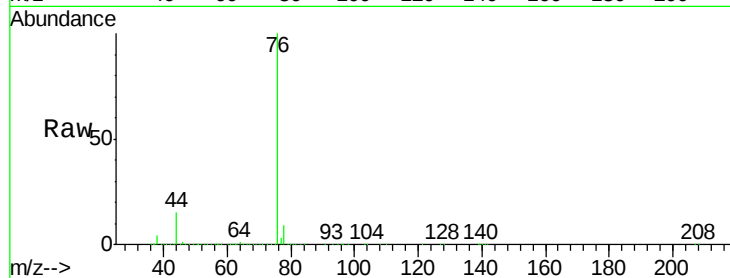
VSTDCCC050

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

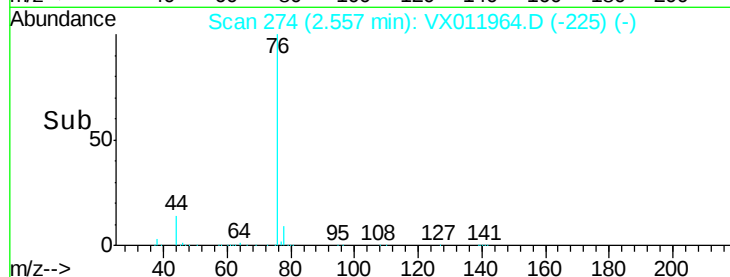
150000

100000

50000

0

Time-->



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

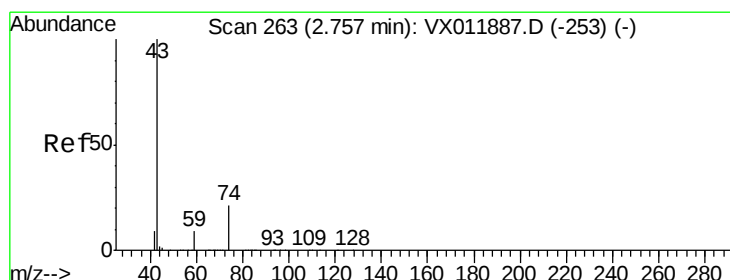
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 59.910 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX011964.D

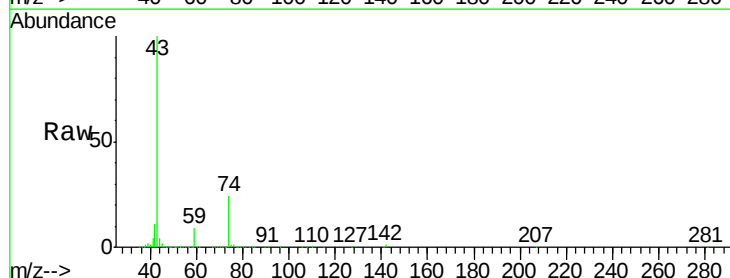
Acq: 31 Aug 2019 22:07

Tgt Ion: 43 Resp: 107197

Ion Ratio Lower Upper

43 100

74 23.8 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

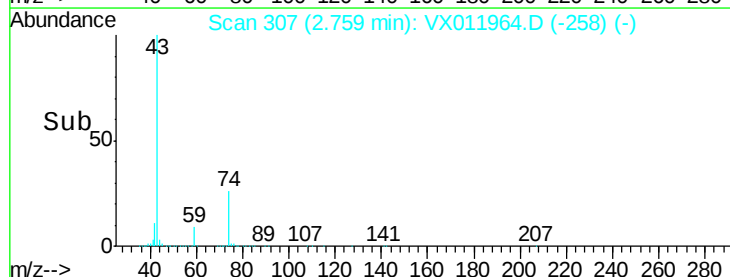
60000

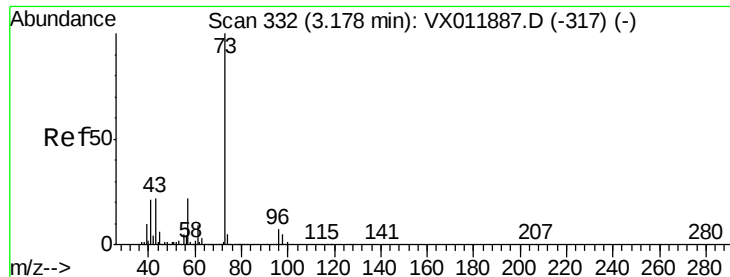
40000

20000

0

Time-->





#19

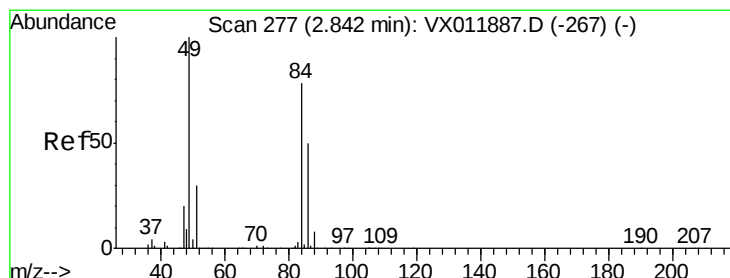
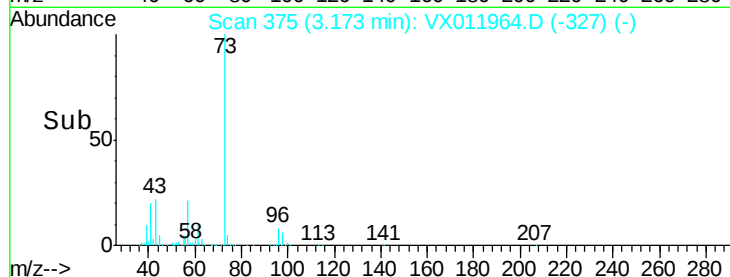
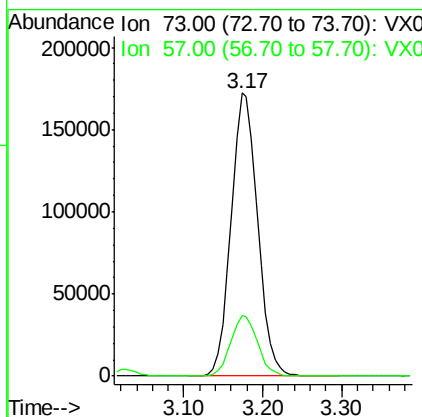
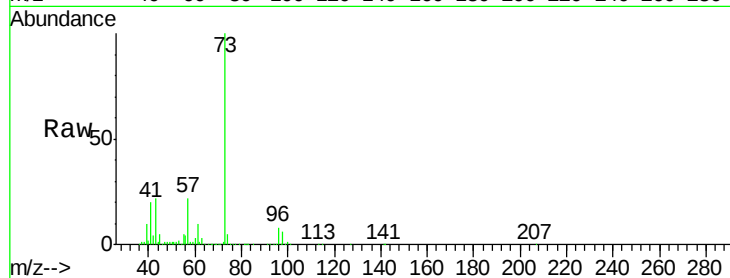
Methyl tert-butyl Ether
 Concen: 56.398 ug/l
 RT: 3.17 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VX011964.D
 Acq: 31 Aug 2019 22:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.0

Manual Integrations
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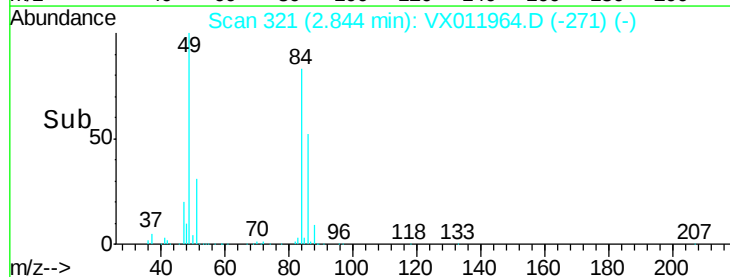
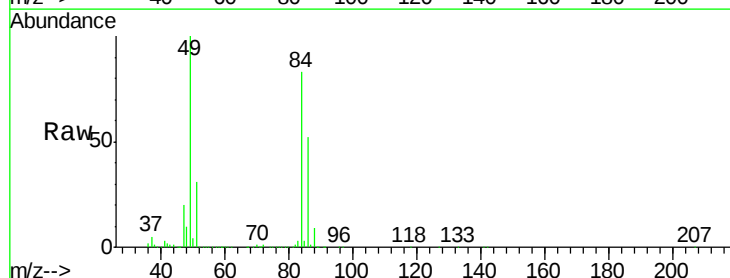
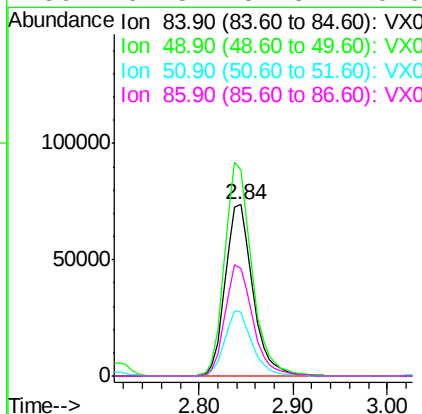
sam
 9/3/2019 12:53:07 PM

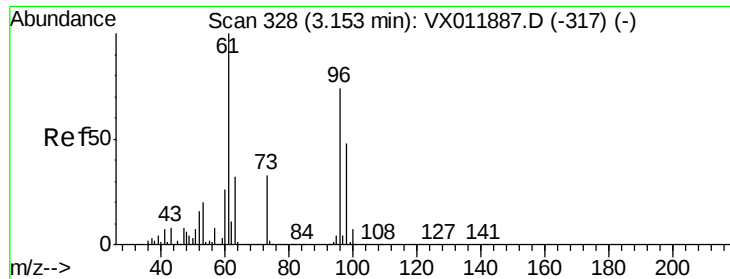


#20

Methylene Chloride
 Concen: 54.985 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VX011964.D
 Acq: 31 Aug 2019 22:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.4	103.0	154.4
51	37.0	30.8	46.2
86	62.8	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 53.349 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 138399

Ion Ratio Lower Upper

96 100

61 136.2 107.4 161.2

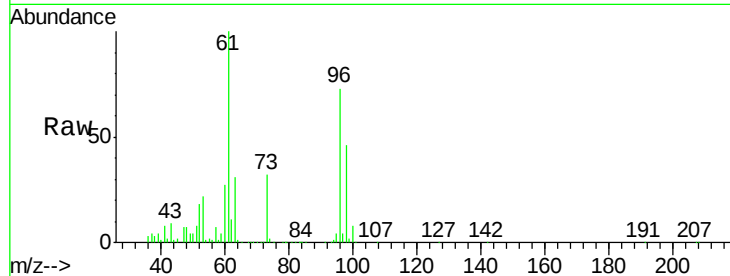
98 63.0 51.4 77.2

Manual Integrations

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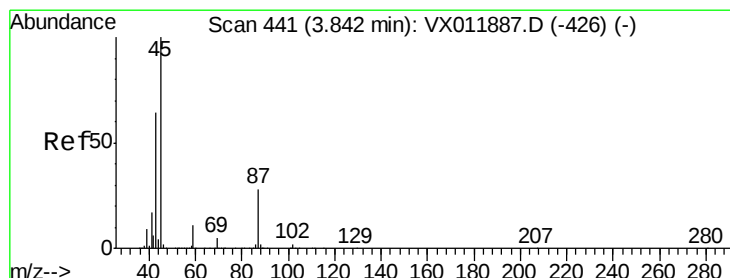
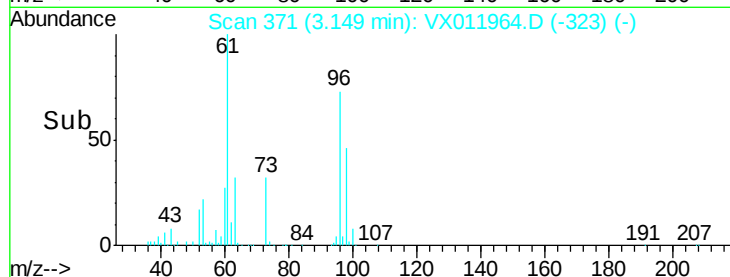
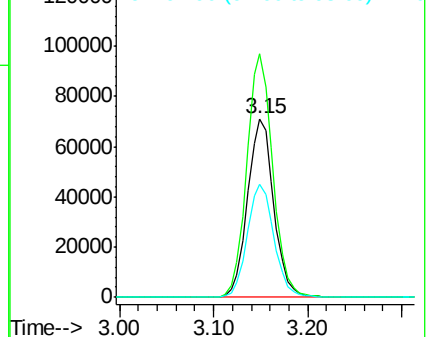
9/3/2019 12:53:07 PM



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: 55.285 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Tgt Ion: 45 Resp: 466260

Ion Ratio Lower Upper

45 100

43 63.0 51.0 76.6

87 28.8 22.0 33.0

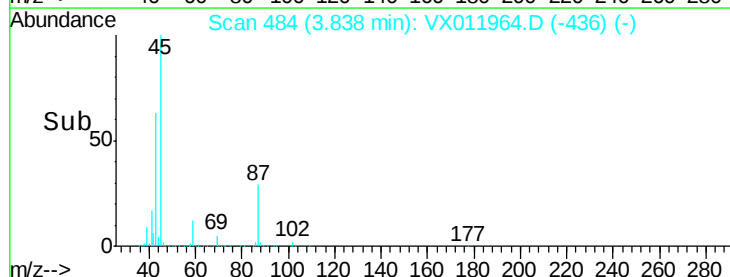
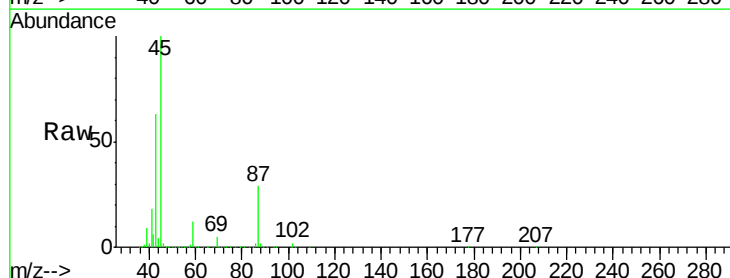
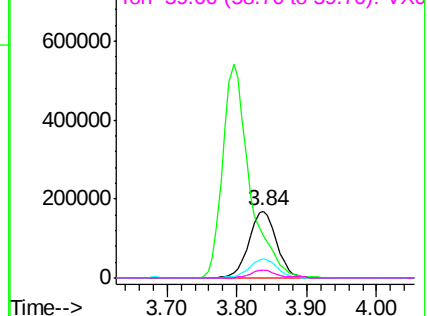
59 11.8 9.1 13.7

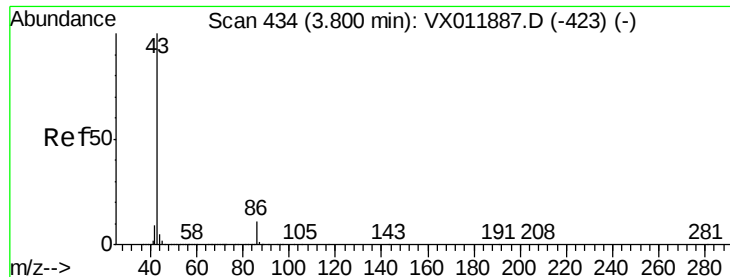
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 269.655 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1462147

Ion Ratio Lower Upper

43 100

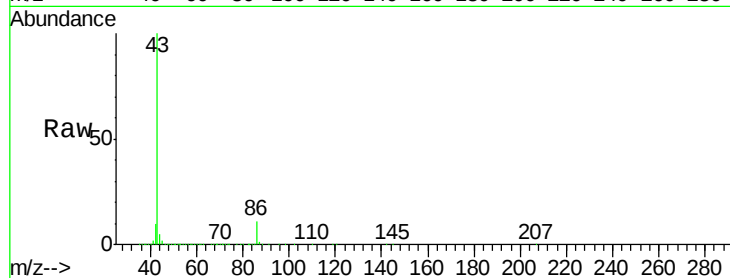
86 10.8 8.6 12.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.80

600000

500000

400000

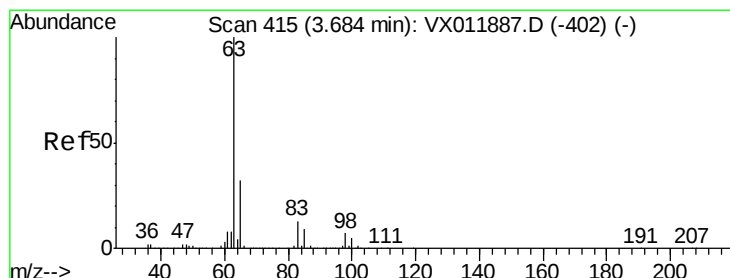
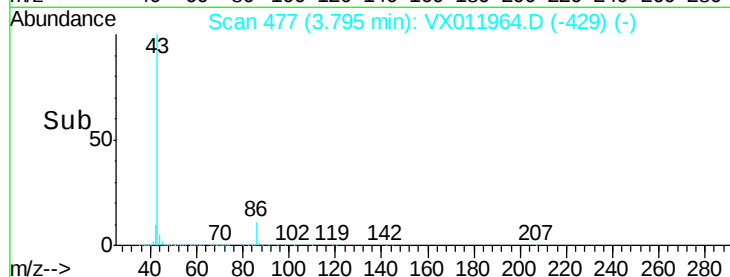
300000

200000

100000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 55.216 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

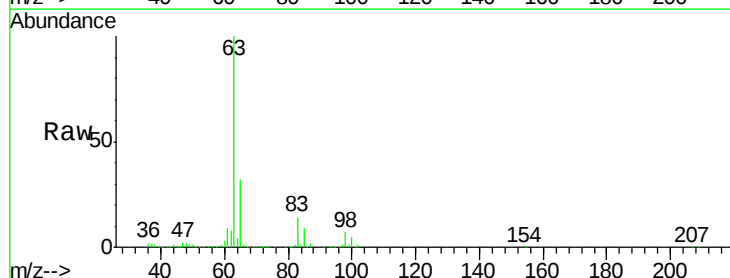
Tgt Ion: 63 Resp: 256795

Ion Ratio Lower Upper

63 100

98 7.3 3.8 11.2

100 4.9 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

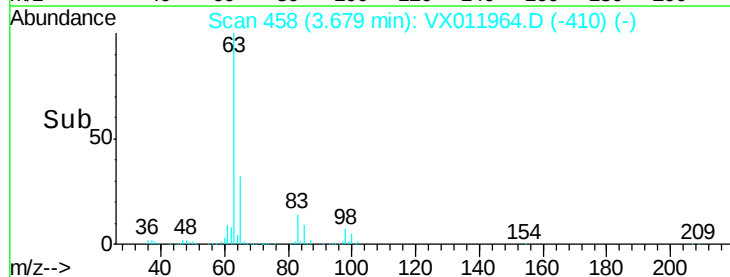
150000

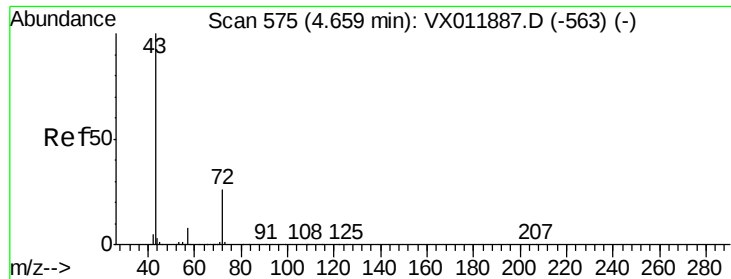
100000

50000

0

Time--> 3.50 3.60 3.70 3.80





#25

2-Butanone

Concen: 279.397 ug/l

RT: 4.65 min Scan# 617

Delta R.T. -0.01 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 263036

Ion Ratio Lower Upper

43 100

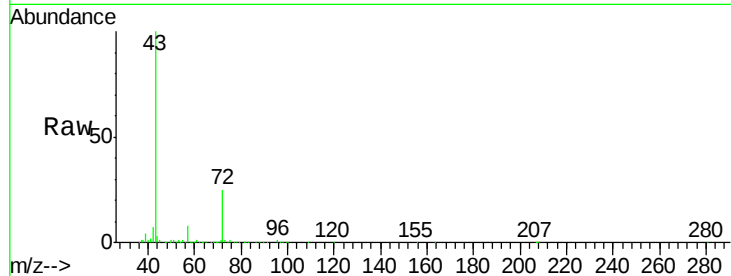
72 25.3 21.0 31.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.65

100000

80000

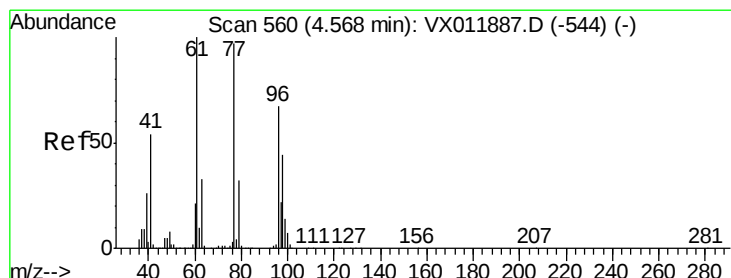
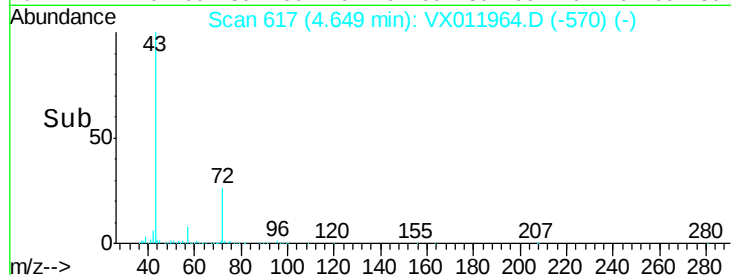
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 50.125 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX011964.D

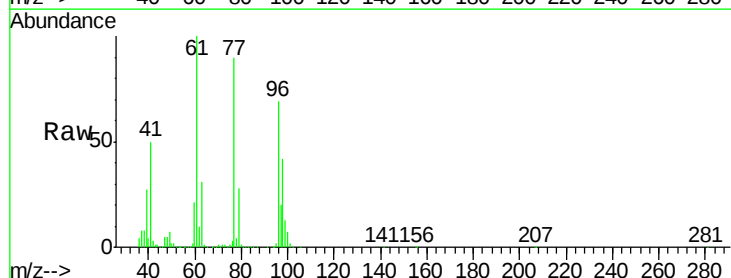
Acq: 31 Aug 2019 22:07

Tgt Ion: 77 Resp: 195524

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.56

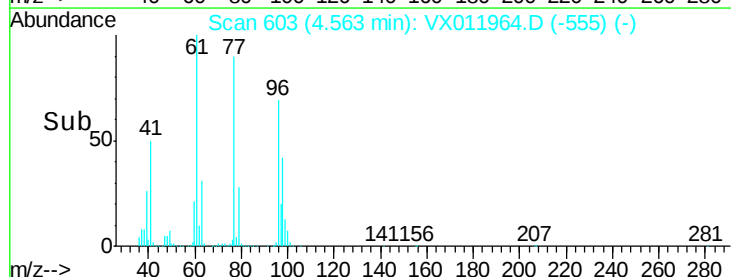
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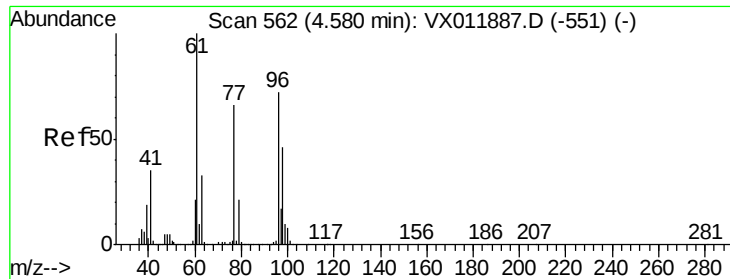
40000

20000

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Time-->





#27

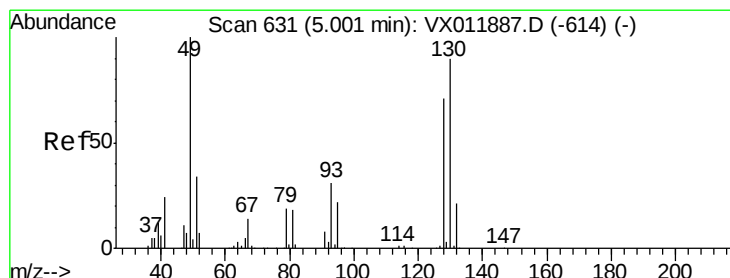
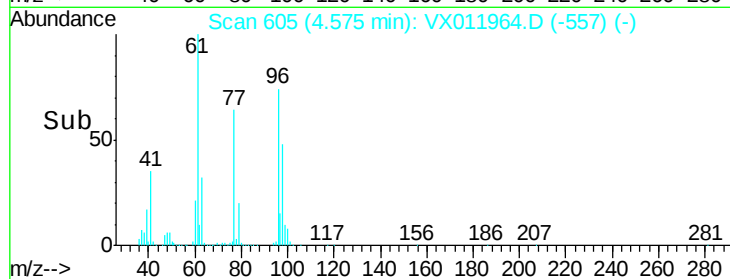
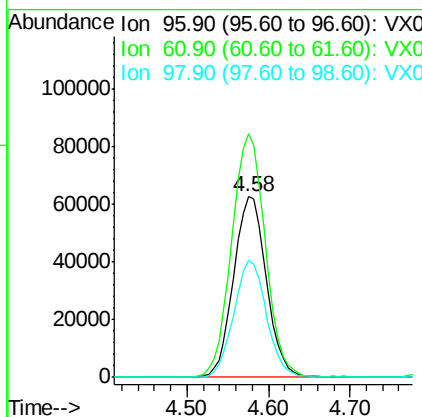
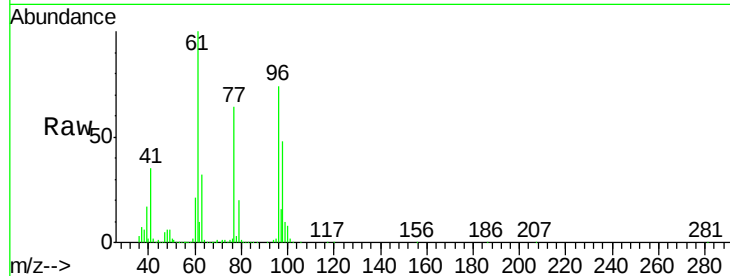
cis-1,2-Dichloroethene
Concen: 57.248 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.2	0.0	283.8
98	64.6	0.0	131.2

Manual Integrations
APPROVED

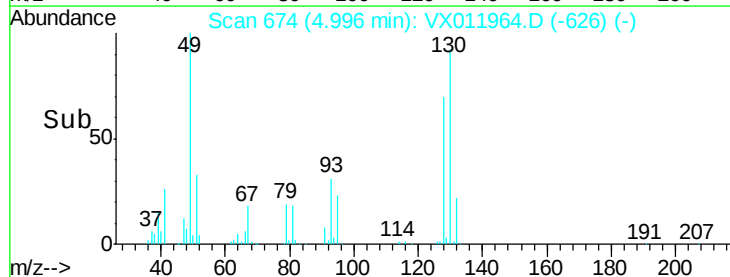
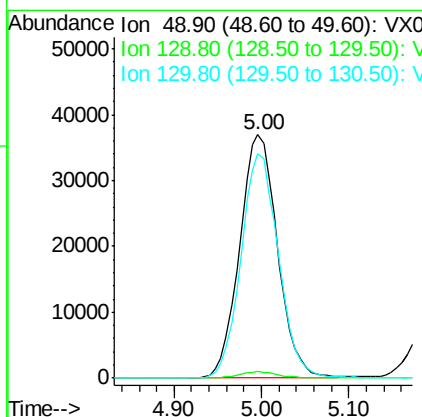
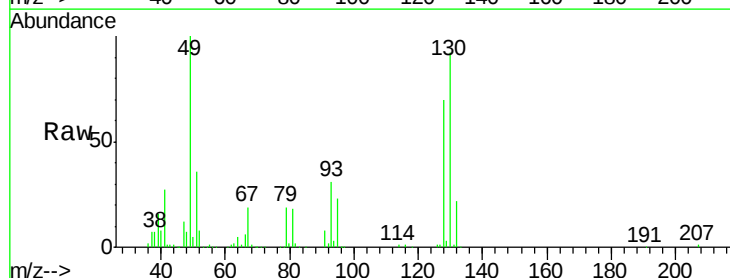
sam
9/3/2019 12:53:07 PM

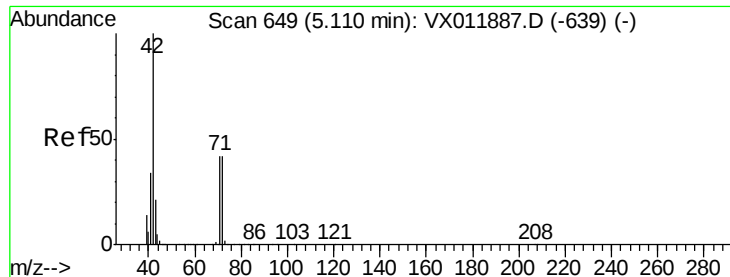


#28

Bromochloromethane
Concen: 53.036 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	91.9	70.6	105.8





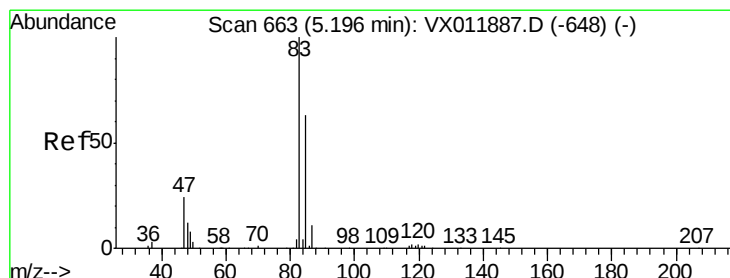
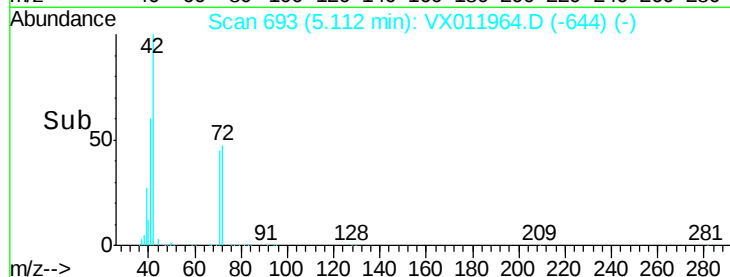
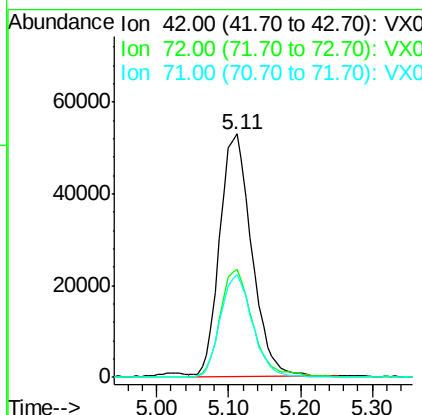
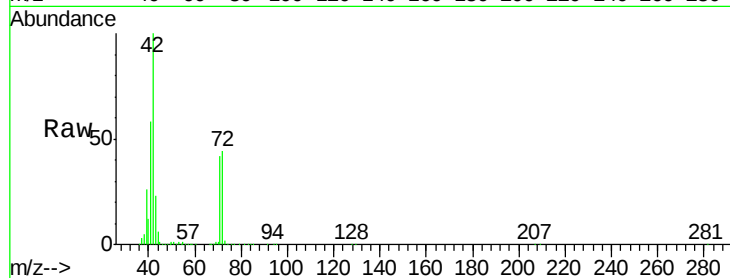
#29
Tetrahydrofuran
Concen: 277.920 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100	163310		
72	45.9	36.2	54.4	
71	42.3	33.1	49.7	

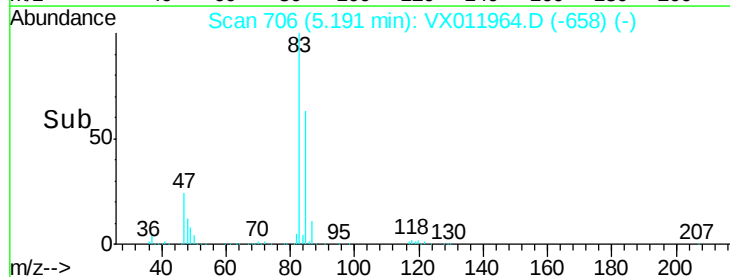
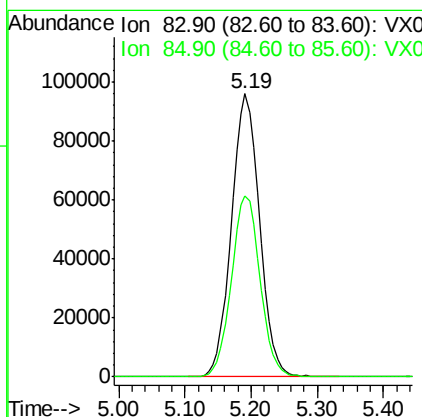
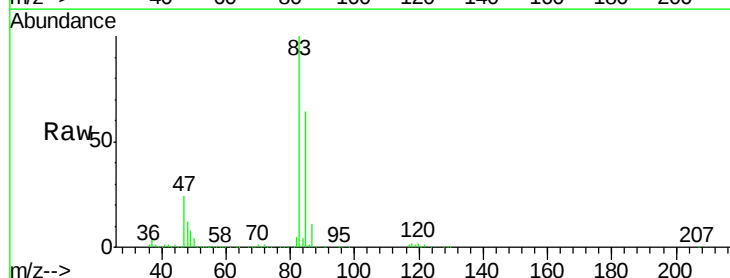
Manual Integrations
APPROVED

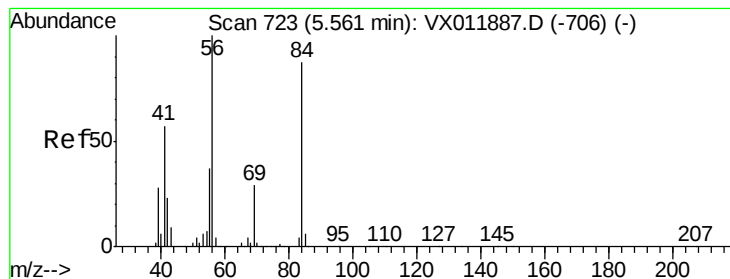
sam
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#30
Chloroform
Concen: 57.028 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	283587		
85	63.9	50.6	75.8	





#31

Cyclohexane

Concen: 45.399 ug/l

RT: 5.56 min Scan# 767

Delta R.T. 0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Instrument :

MSVOA_X

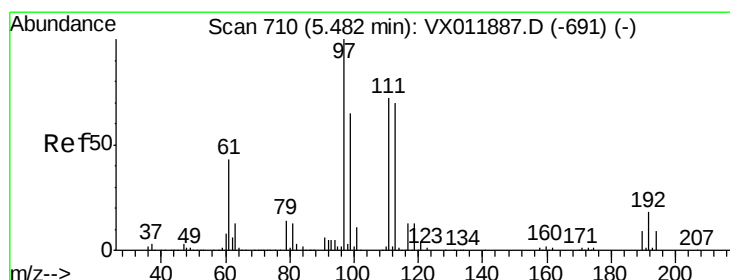
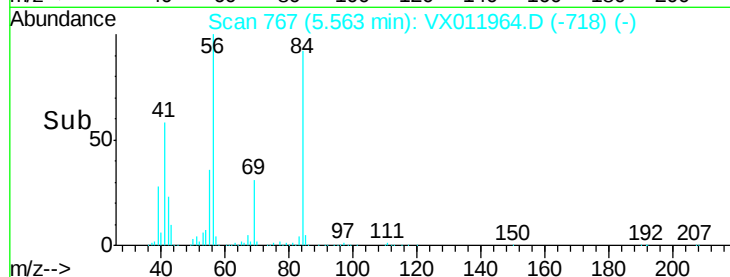
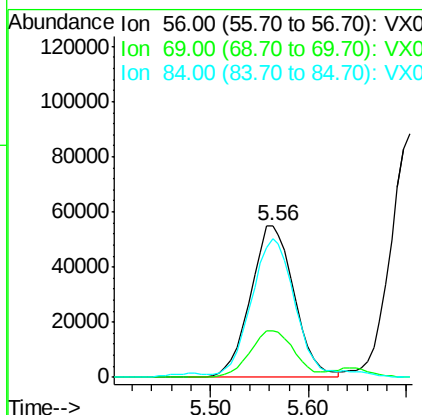
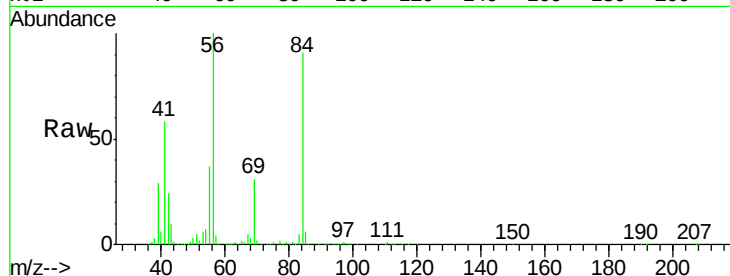
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	170303
Ion	Ratio	Lower	Upper
56	100		
69	31.0	23.1	34.7
84	88.8	69.6	104.4

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 54.879 ug/l

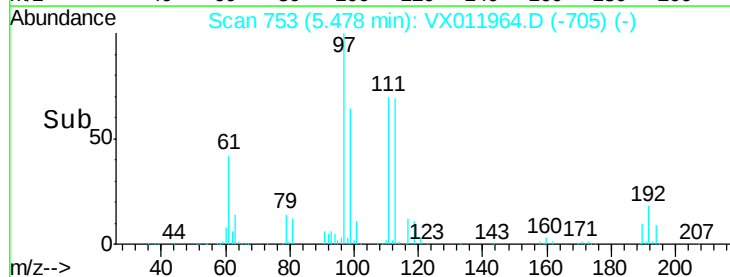
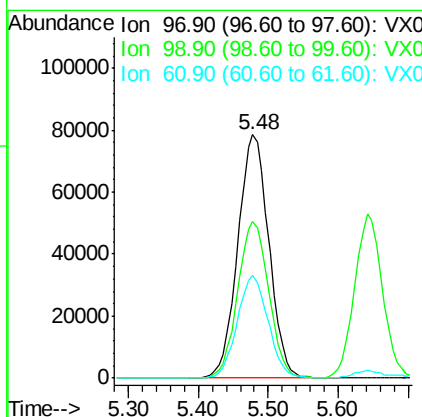
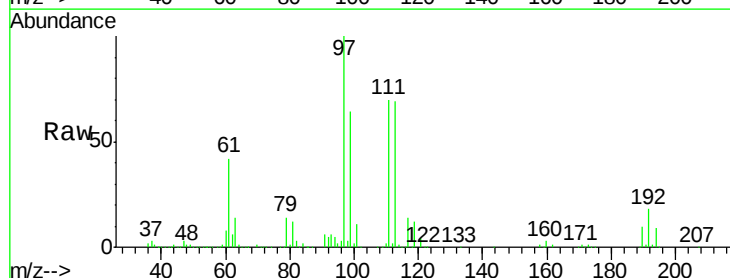
RT: 5.48 min Scan# 753

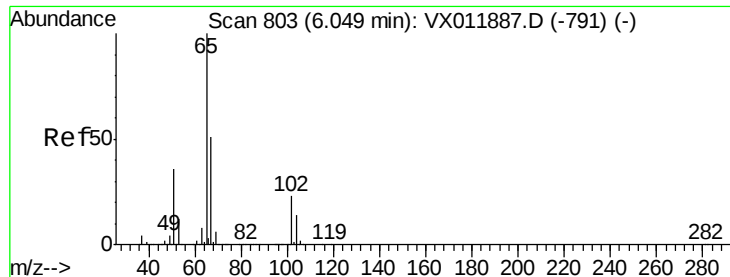
Delta R.T. -0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Tgt Ion:	97	Resp:	242414
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.8
61	41.7	33.8	50.6





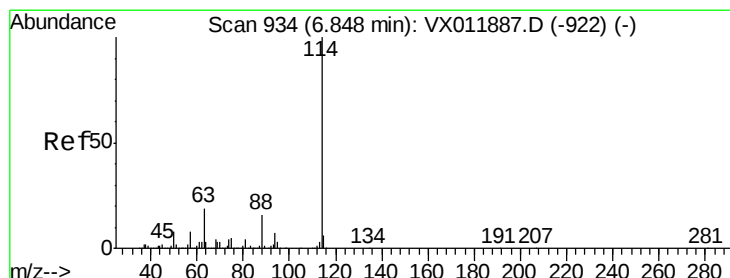
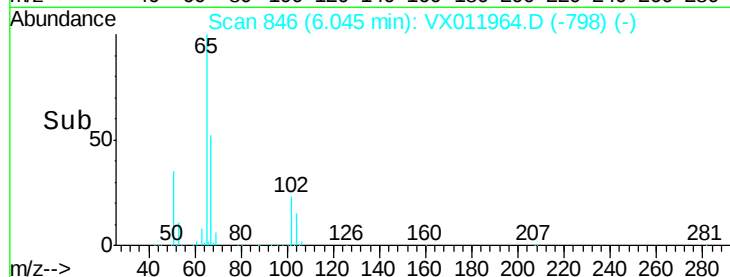
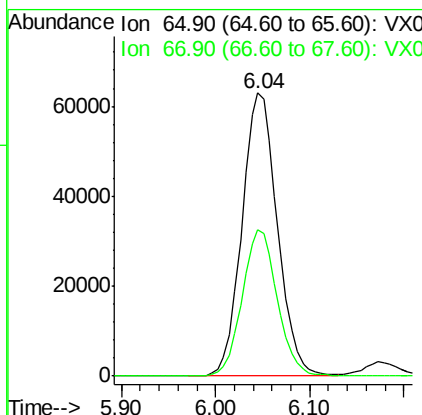
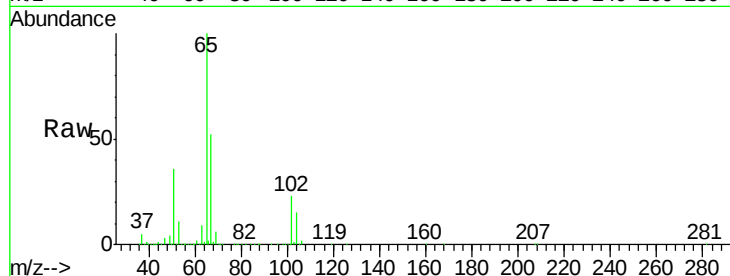
#33
 1,2-Dichloroethane-d4
 Concen: 55.092 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: VX011964.D
 Acq: 31 Aug 2019 22:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.4	0.0	102.2	

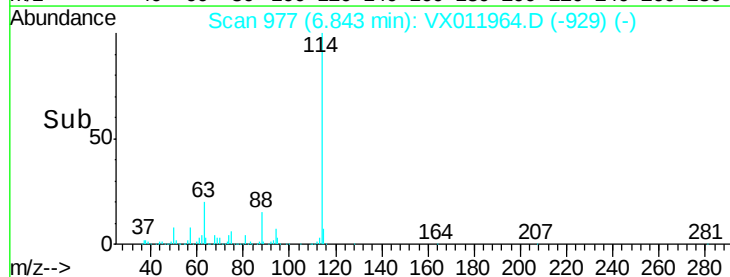
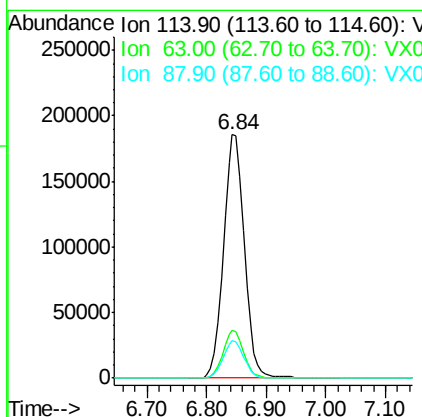
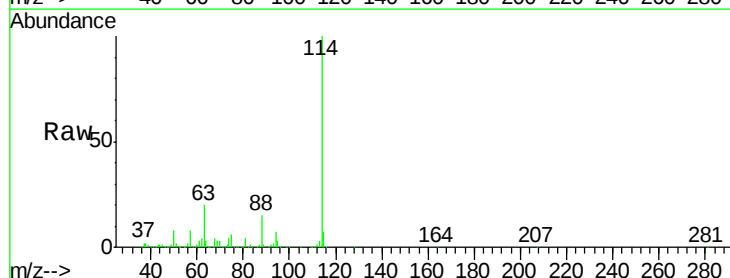
Manual Integrations
 APPROVED

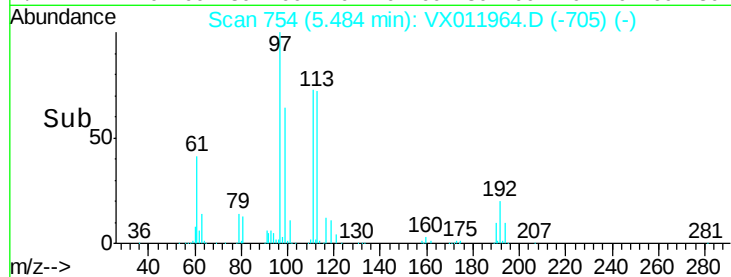
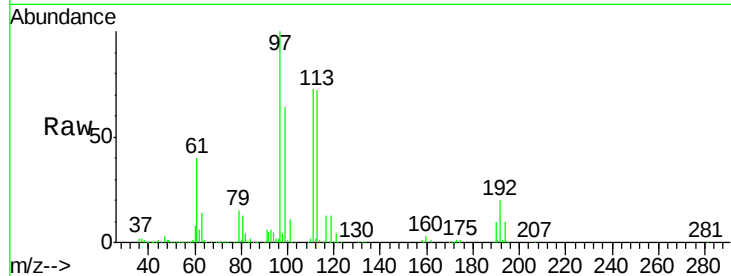
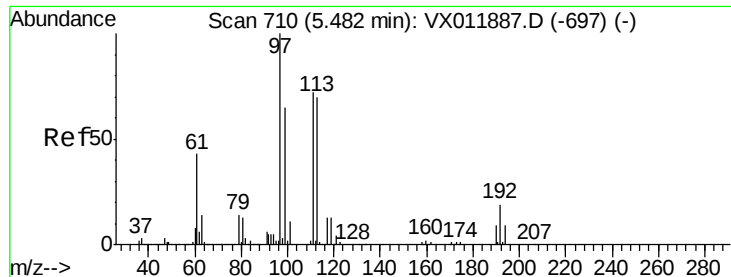
sam
 9/3/2019 12:53:07 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VX011964.D
 Acq: 31 Aug 2019 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.6	0.0	38.8	
88	15.4	0.0	31.2	





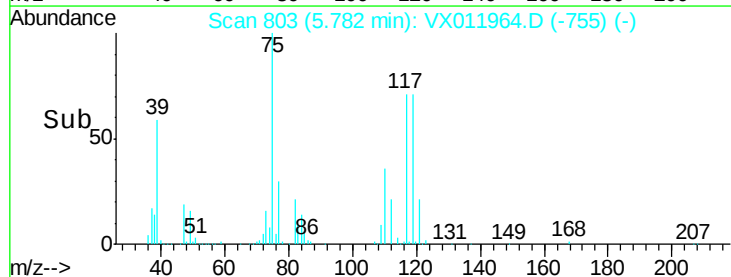
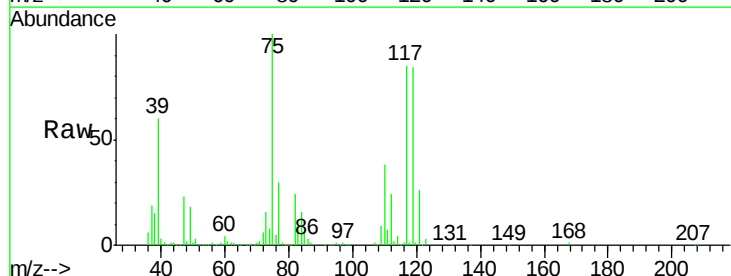
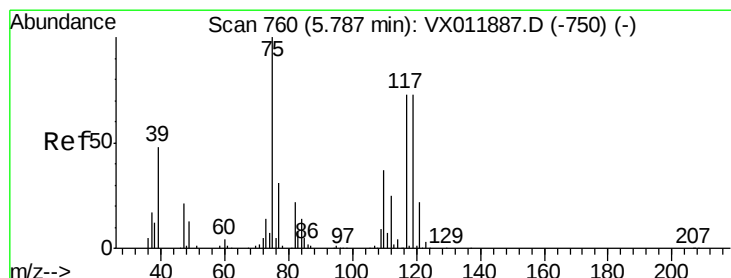
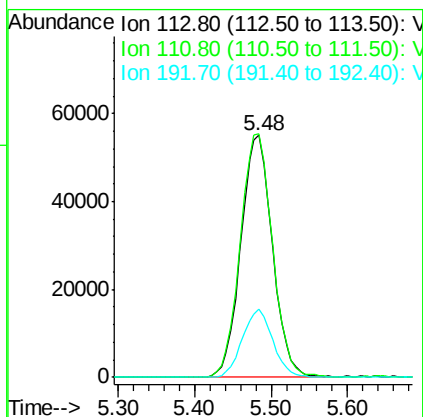
#35
Dibromofluoromethane
Concen: 54.744 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

Tot Ion	Ratio	Resp	Lower	Upper
113	100	158255		
111	102.3	82.1	123.1	
192	27.4	21.5	32.3	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

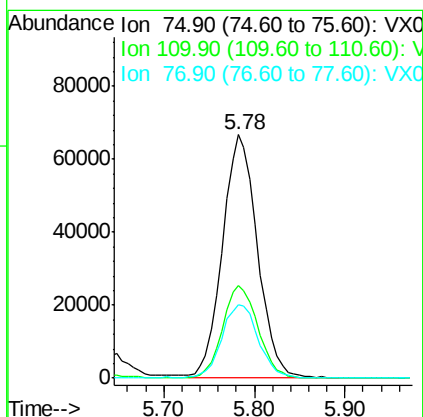
Manual Integrations
APPROVED

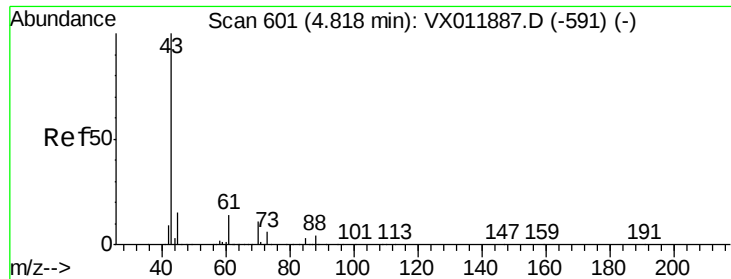
sam
9/3/2019 12:53:07 PM



#36
1,1-Dichloropropene
Concen: 49.621 ug/l
RT: 5.78 min Scan# 803
Delta R.T. -0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	177226		
110	38.7	19.1	57.3	
77	31.3	24.4	36.6	





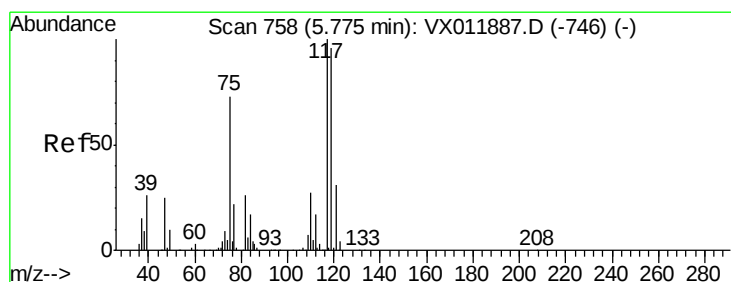
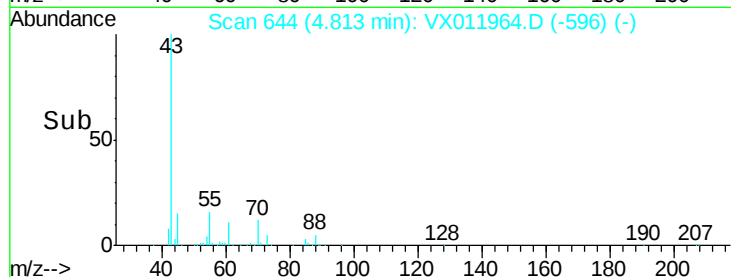
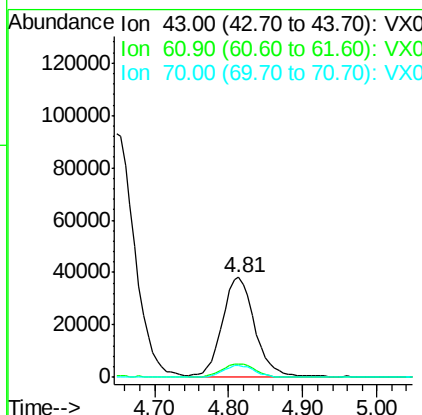
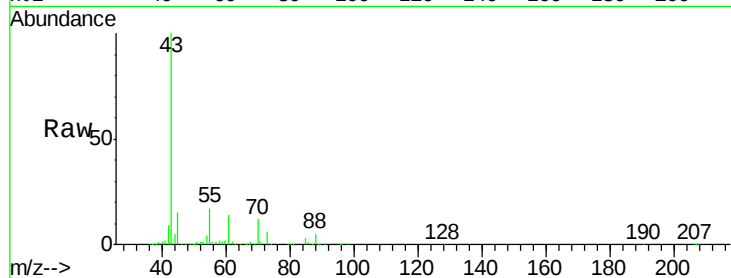
#37
Ethyl Acetate
Concen: 54.496 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.0	16.4
70	11.5	9.2	13.8

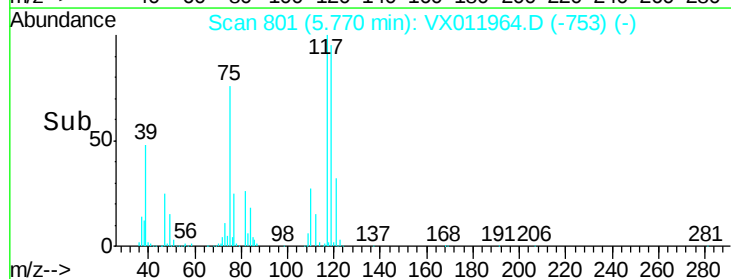
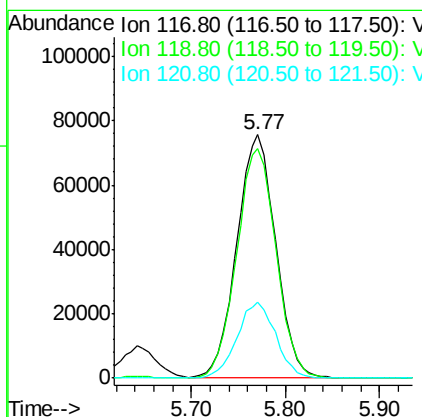
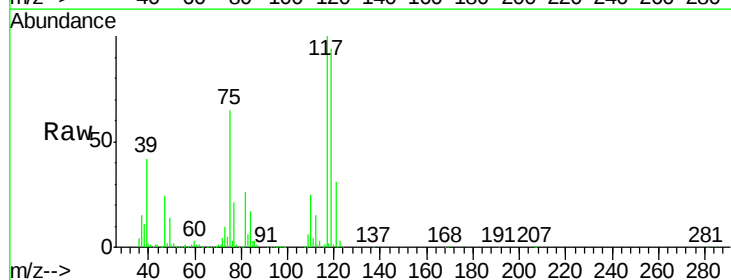
Manual Integrations
APPROVED

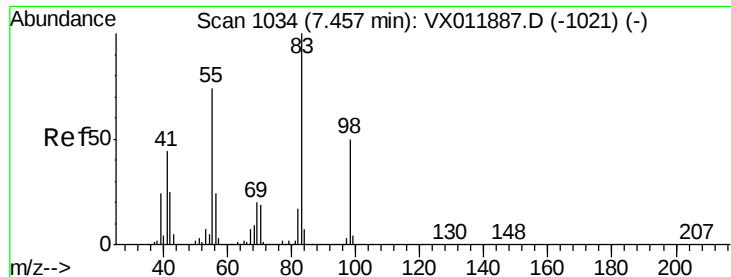
sam
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#38
Carbon Tetrachloride
Concen: 52.056 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.6	114.8
121	31.0	24.7	37.1





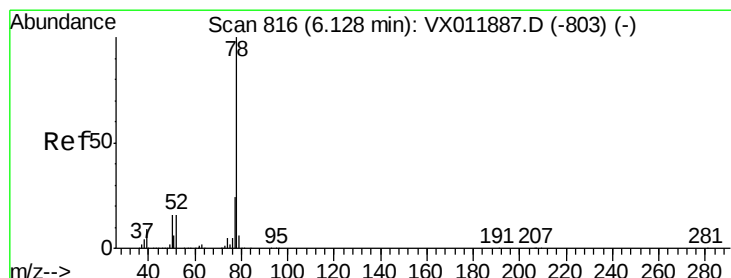
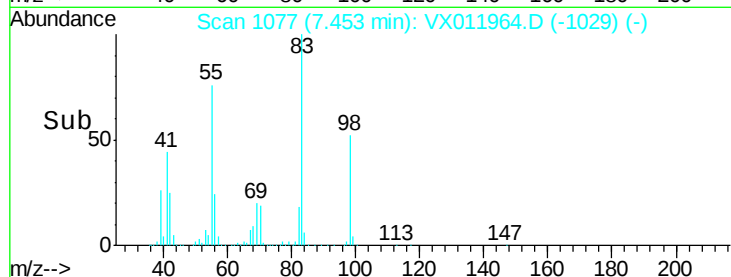
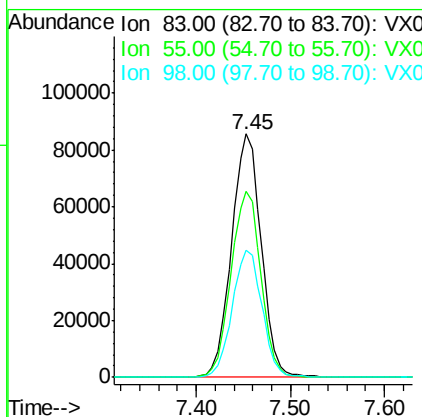
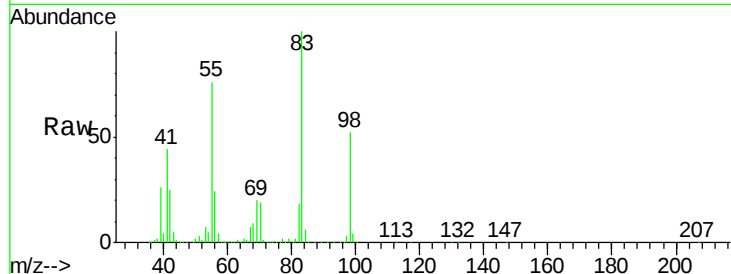
#39
Methvlcvclohexane
Concen: 44.154 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	187837		
55	76.1		59.4	89.0
98	52.1		40.3	60.5

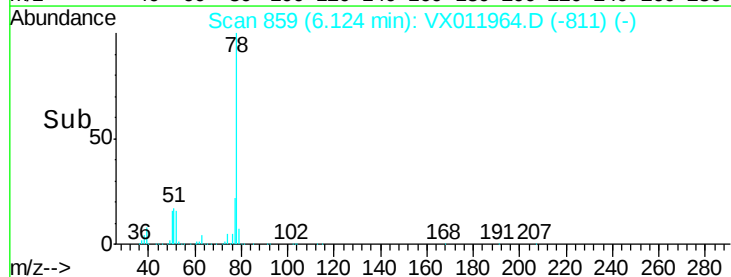
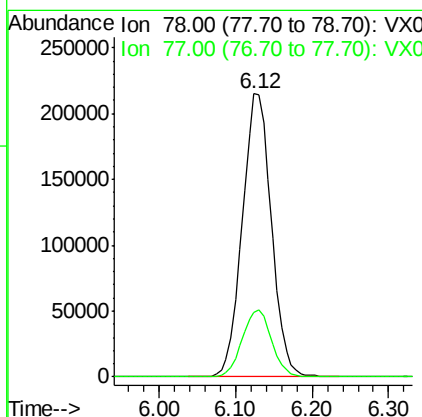
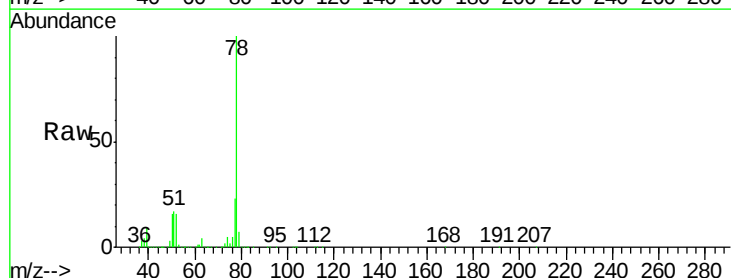
Manual Integrations
APPROVED

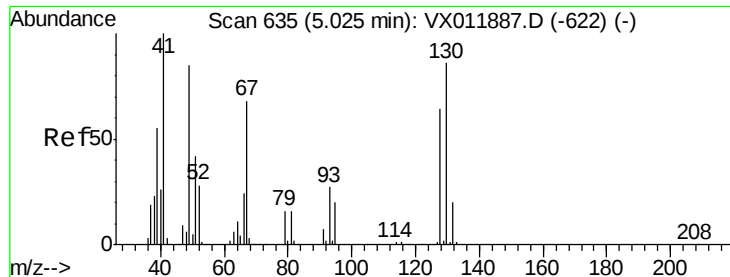
sam
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#40
Benzene
Concen: 53.352 ug/l
RT: 6.12 min Scan# 859
Delta R.T. -0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	568782		
77	22.8		19.0	28.6





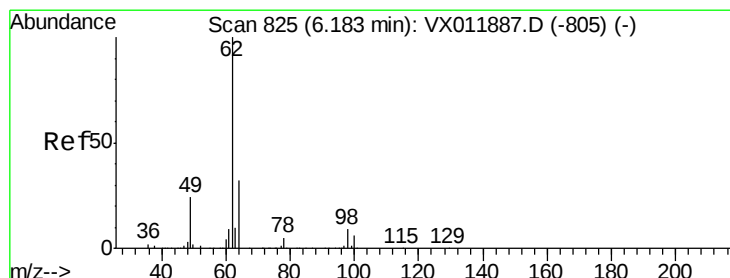
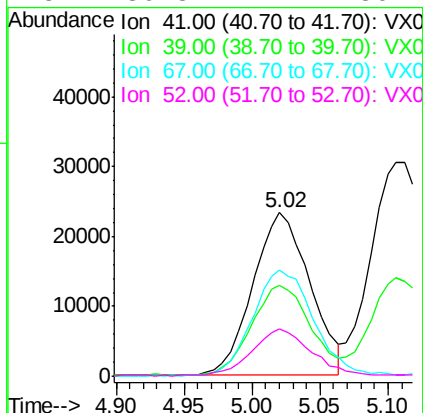
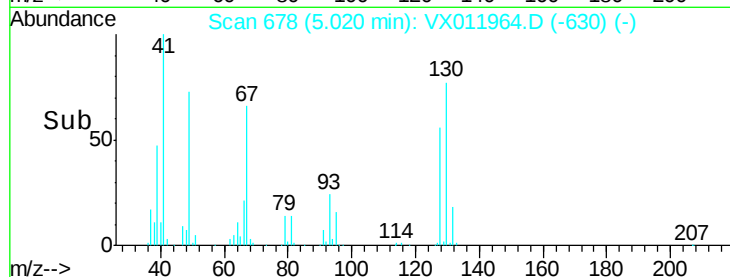
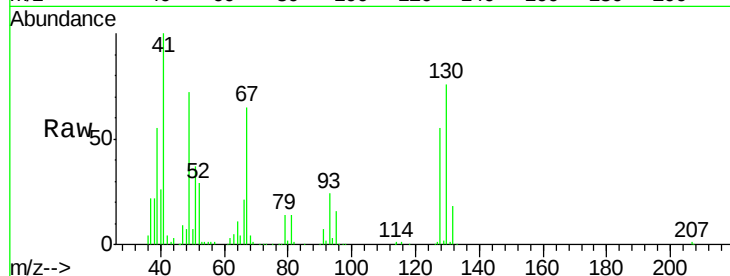
#41
Methacrylonitrile
Concen: 54.645 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		68022		
39	57.0	45.0	67.6		
67	69.4	55.0	82.4		
52	30.3	24.1	36.1		

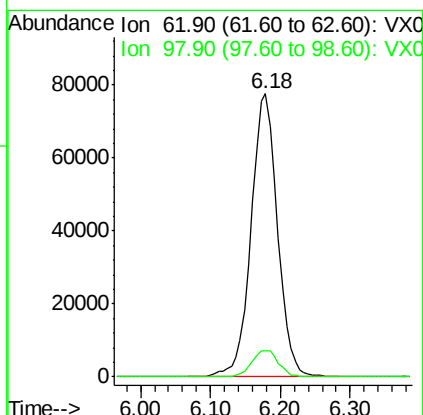
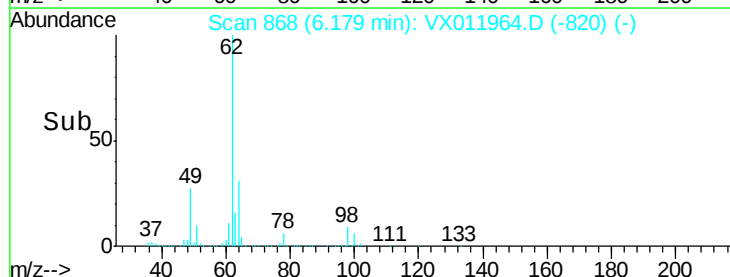
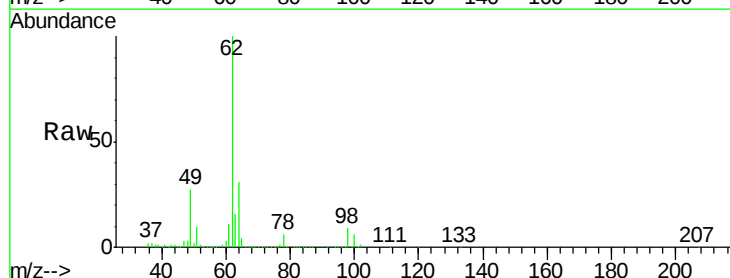
Manual Integrations
APPROVED

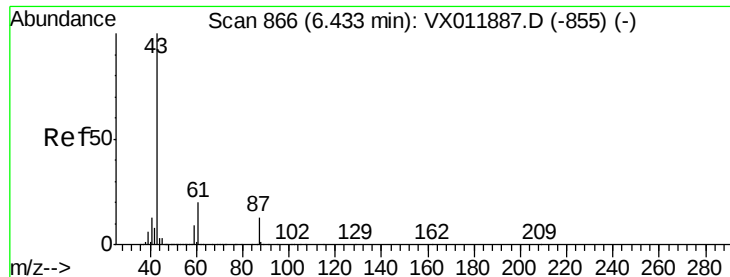
sam
9/3/2019 12:53:07 PM



#42
1,2-Dichloroethane
Concen: 55.860 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		202520		
98	9.6	0.0	19.2		





#43

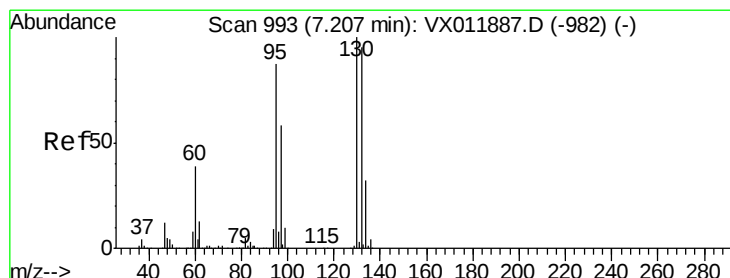
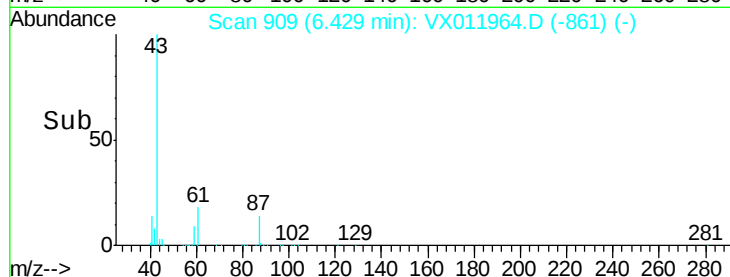
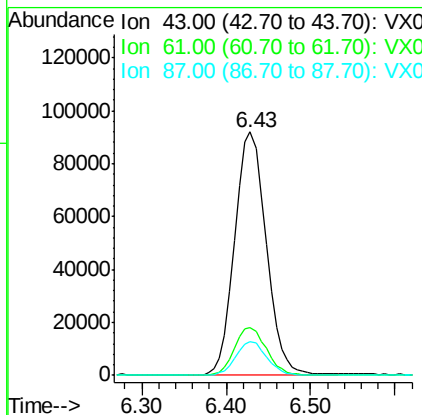
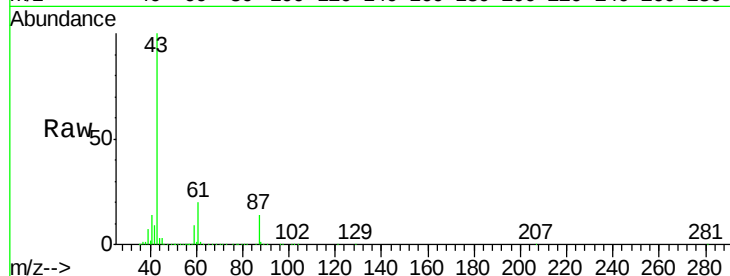
Isopropyl Acetate
 Concen: 54.184 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: VX011964.D
 Acq: 31 Aug 2019 22:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	16.1	24.1
87	13.7	10.6	16.0

Manual Integrations
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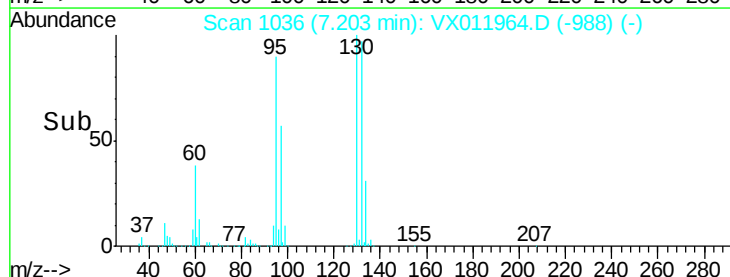
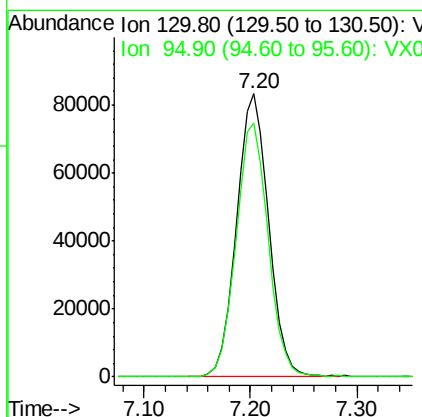
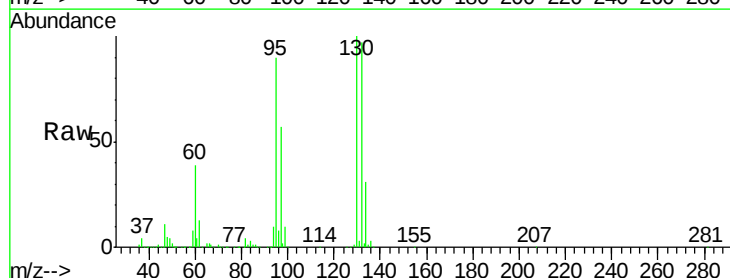
Sam
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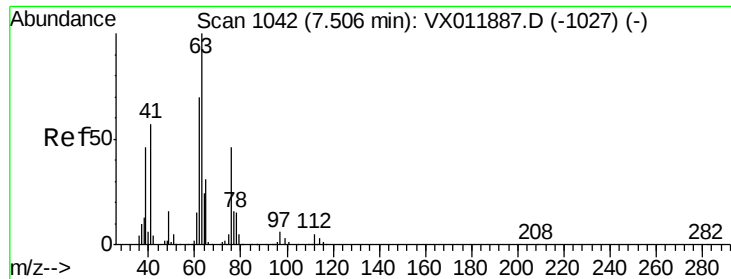


#44

Trichloroethene
 Concen: 53.506 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX011964.D
 Acq: 31 Aug 2019 22:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.6	0.0	174.6





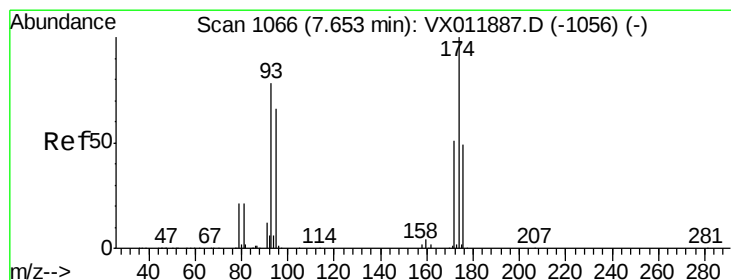
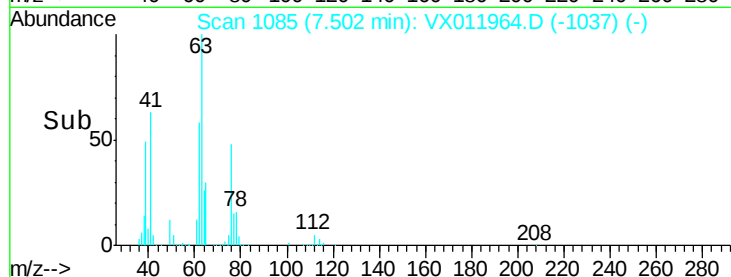
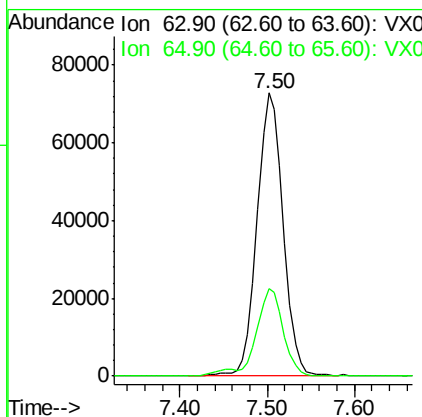
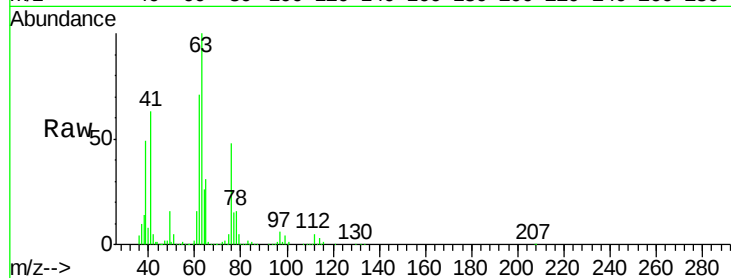
#45
 1,2-Dichloropropane
 Concen: 54.221 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX011964.D
 Acq: 31 Aug 2019 22:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	25.1	37.7

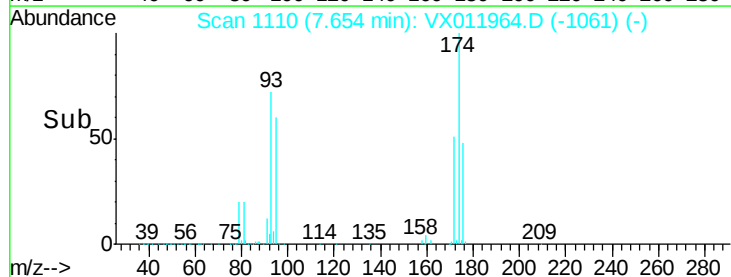
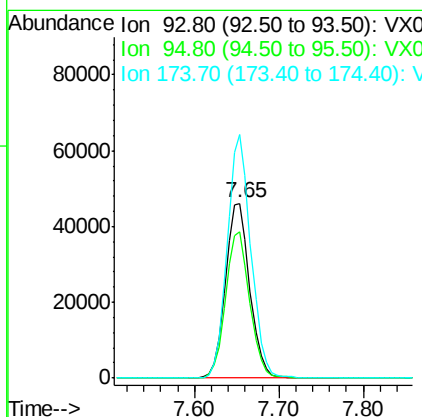
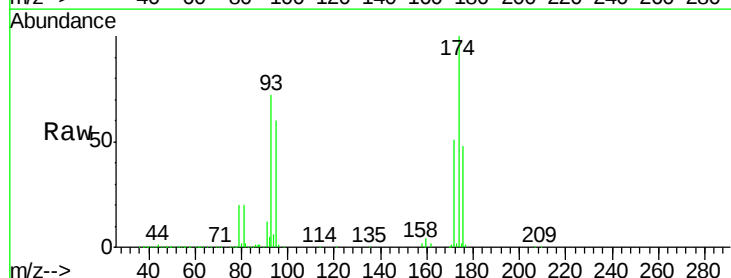
Manual Integrations
 APPROVED

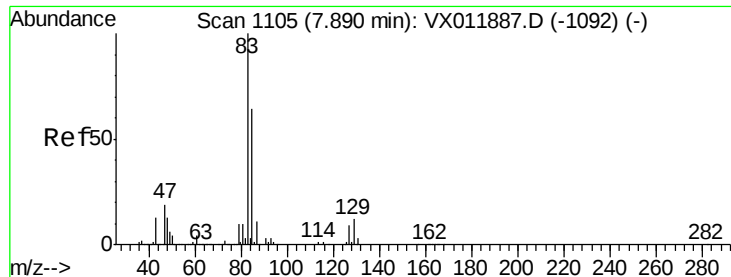
sam
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#46
 Dibromomethane
 Concen: 55.217 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX011964.D
 Acq: 31 Aug 2019 22:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	65.7	98.5
174	133.9	104.2	156.4





#47

Bromodichloromethane

Concen: 55.878 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Instrument :

MSVOA_X

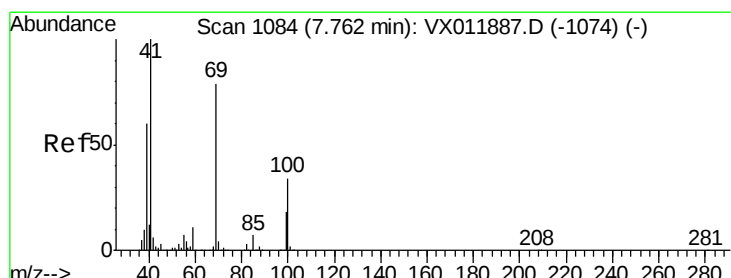
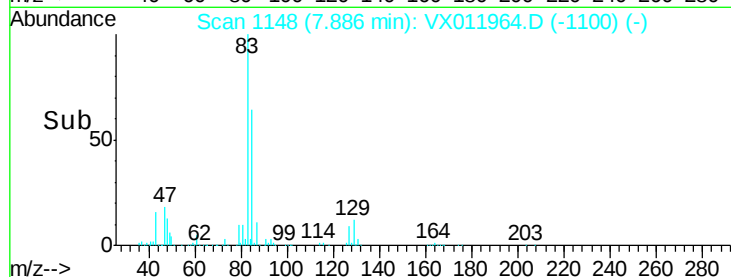
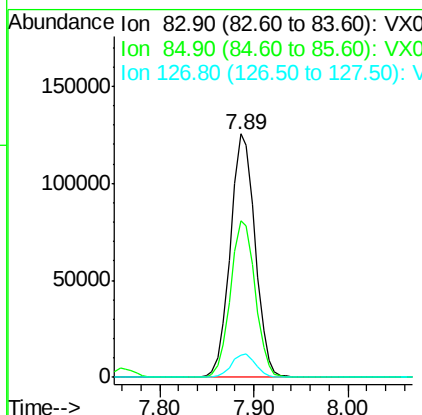
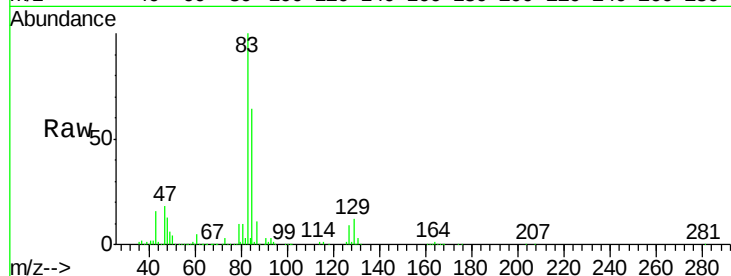
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	229317
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.1	76.7
127	9.1	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.990 ug/l

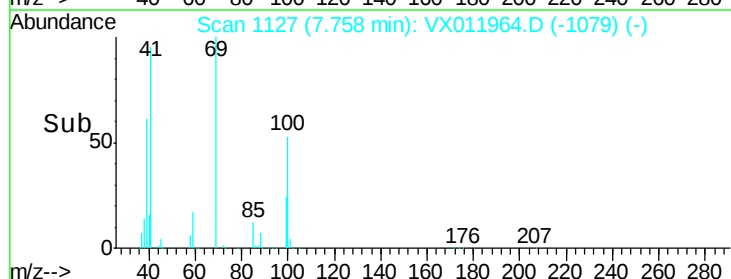
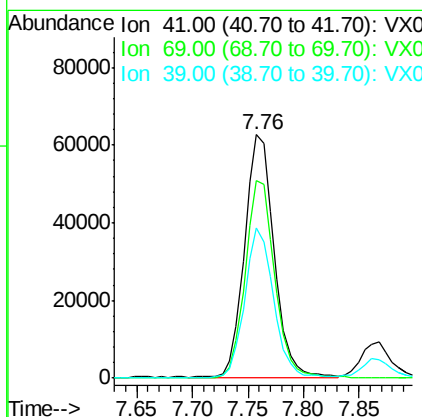
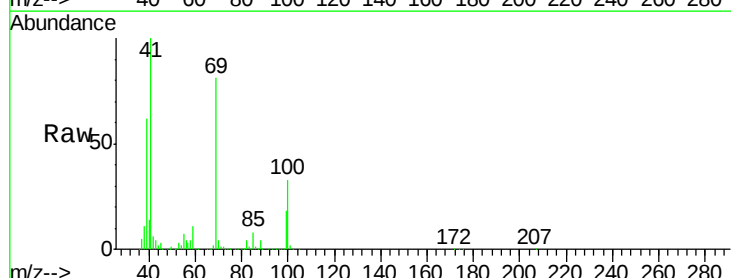
RT: 7.76 min Scan# 1127

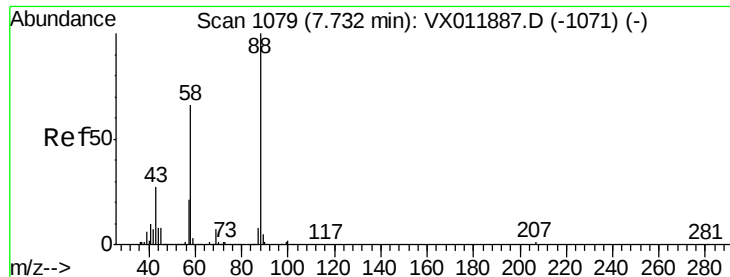
Delta R.T. -0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Tgt Ion:	41	Resp:	114685
Ion	Ratio	Lower	Upper
41	100		
69	81.6	64.4	96.6
39	60.2	47.2	70.8





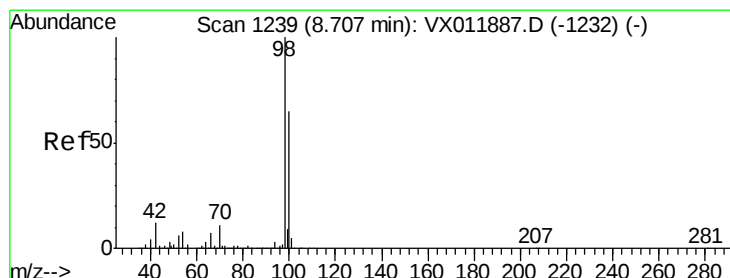
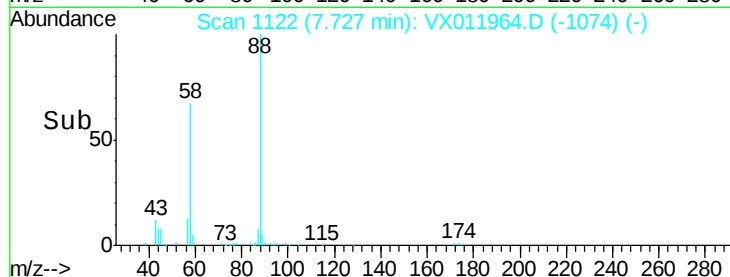
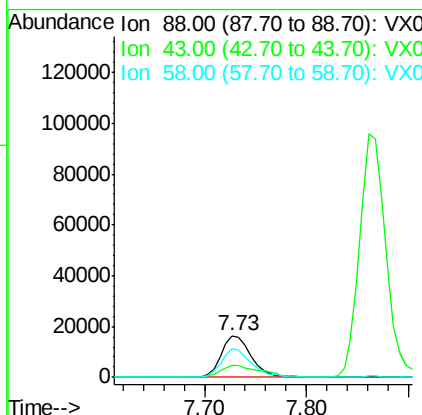
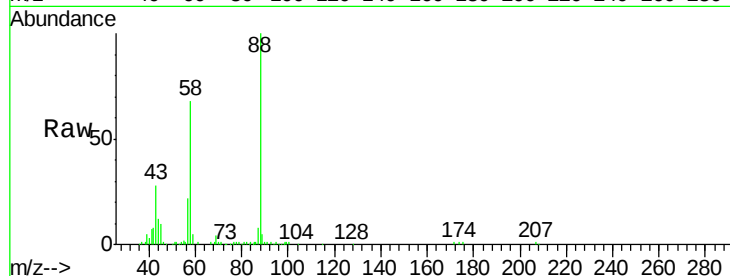
#49
1,4-Dioxane
Concen: 1157.077 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.3	27.3	40.9
58	69.0	53.9	80.9

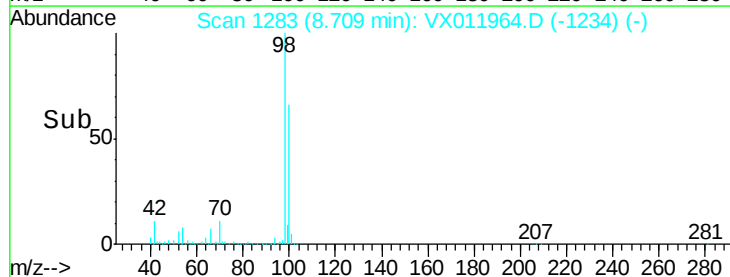
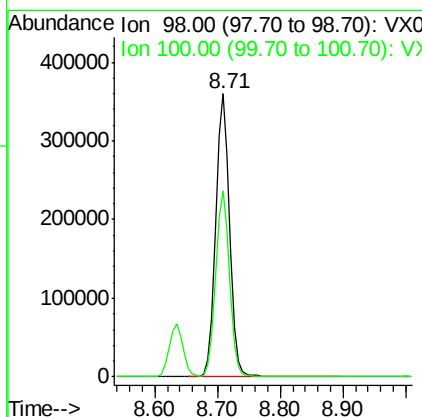
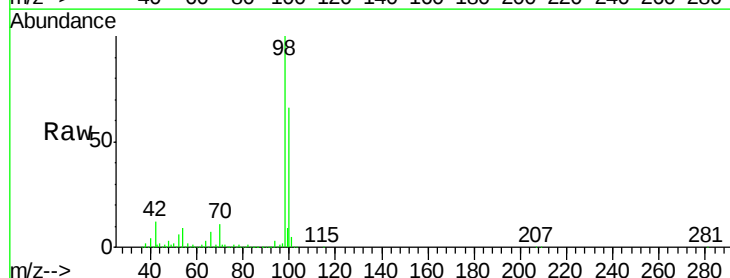
Manual Integrations
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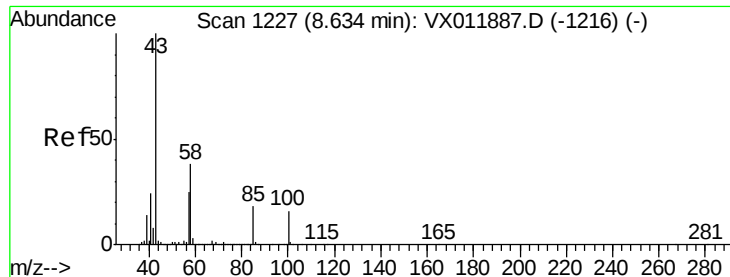
sam
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#50
Toluene-d8
Concen: 53.135 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 273.367 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 595254

Ion Ratio Lower Upper

43 100

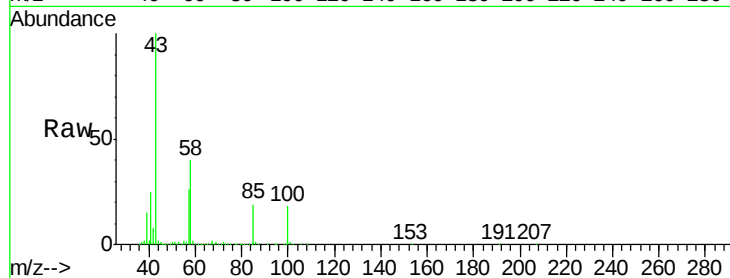
58 39.1 30.9 46.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

400000

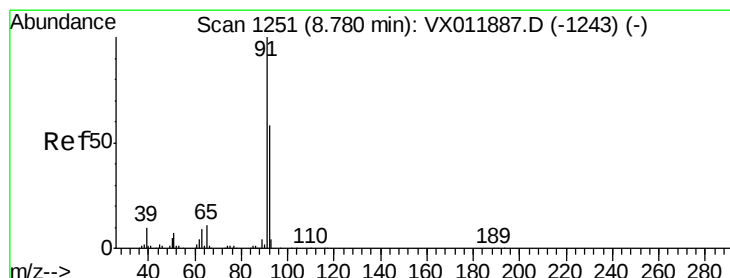
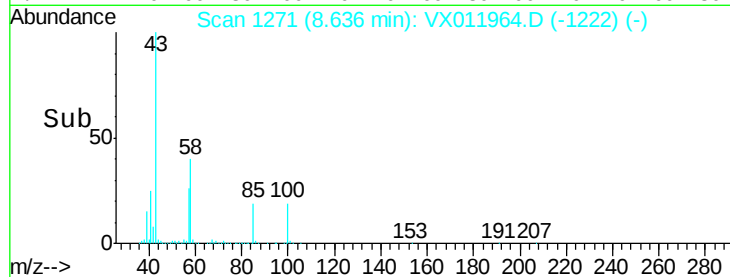
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.826 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX011964.D

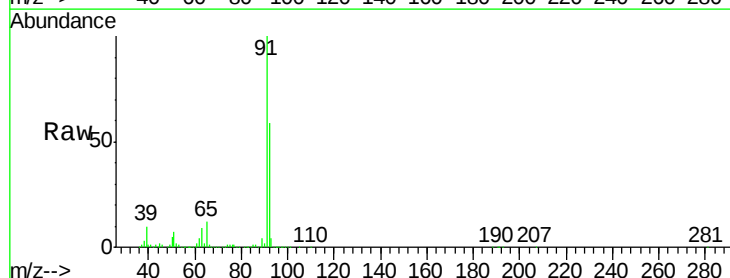
Acq: 31 Aug 2019 22:07

Tgt Ion: 92 Resp: 379636

Ion Ratio Lower Upper

92 100

91 169.5 136.8 205.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

500000

400000

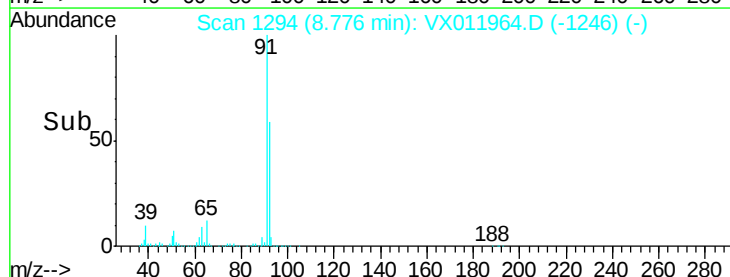
300000

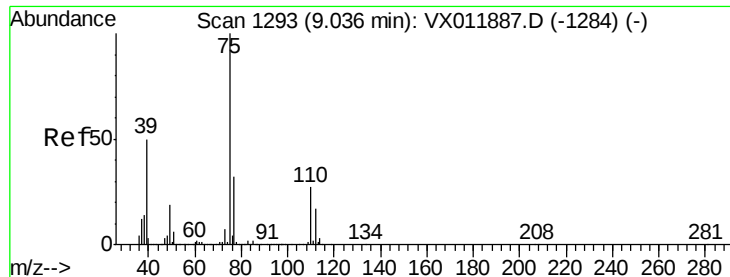
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 54.255 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 228074

Ion Ratio Lower Upper

75 100

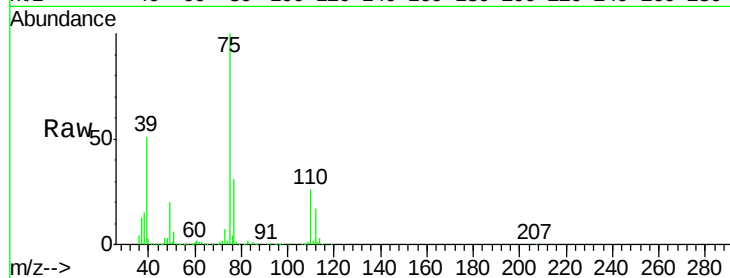
77 31.4 25.6 38.4

Manual Integrations

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sam

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.03

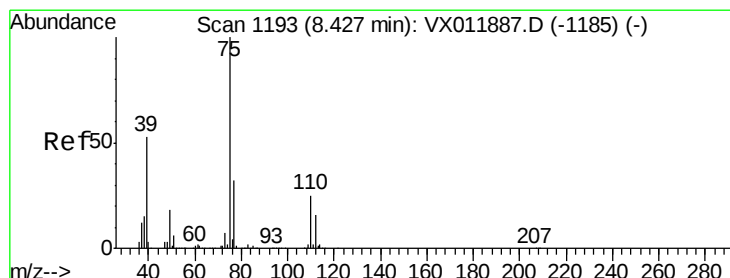
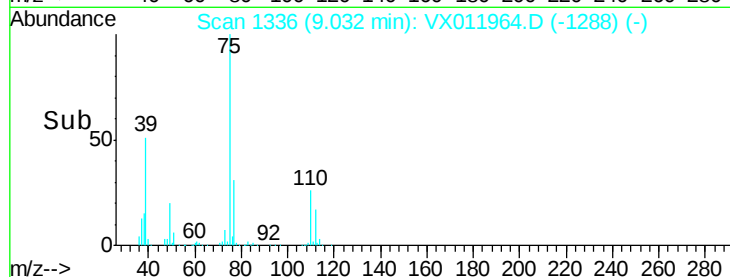
150000

100000

50000

0

Time--> 8.90 9.00 9.10 9.20



#54

cis-1,3-Dichloropropene

Concen: 53.729 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

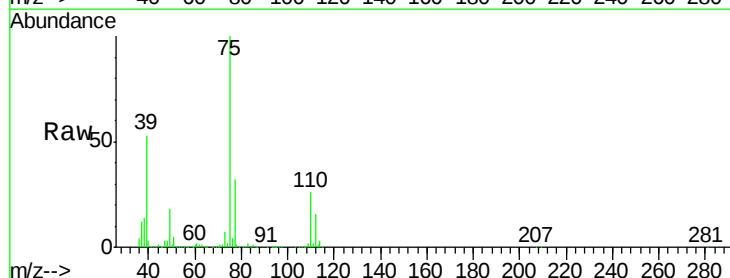
Tgt Ion: 75 Resp: 253542

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

39 52.5 42.6 64.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

200000

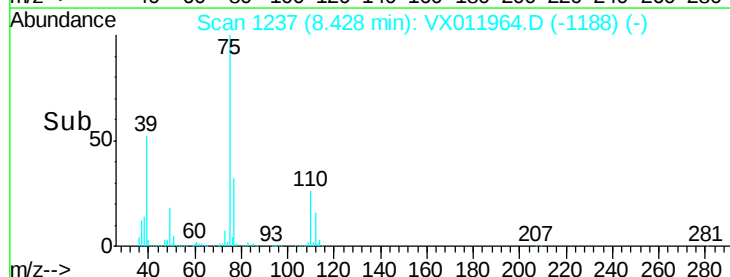
150000

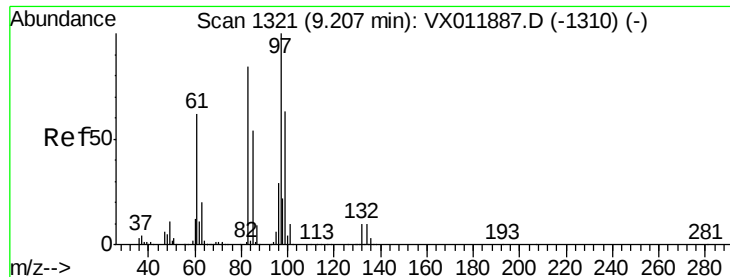
100000

50000

0

Time--> 8.30 8.40 8.50





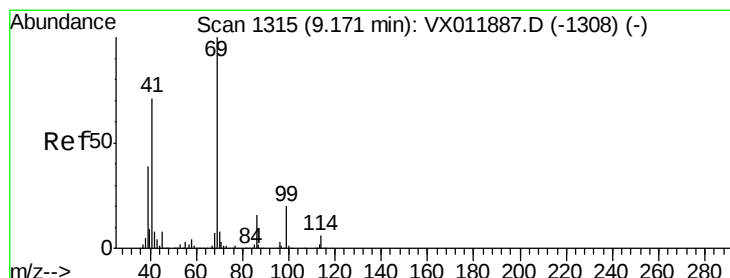
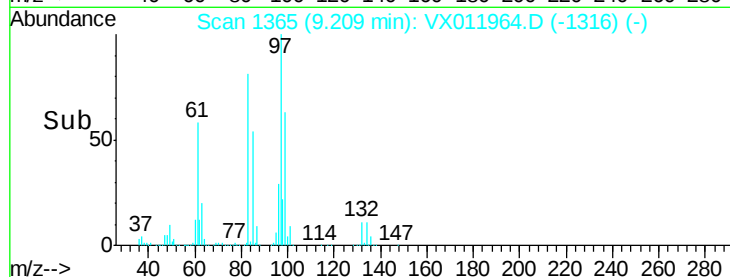
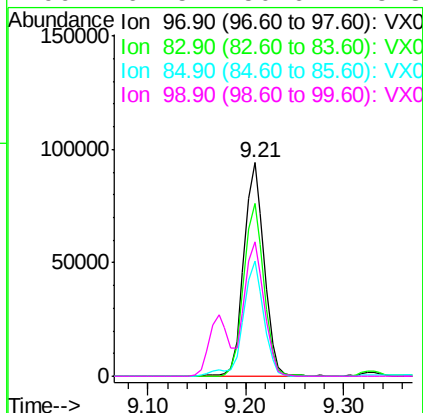
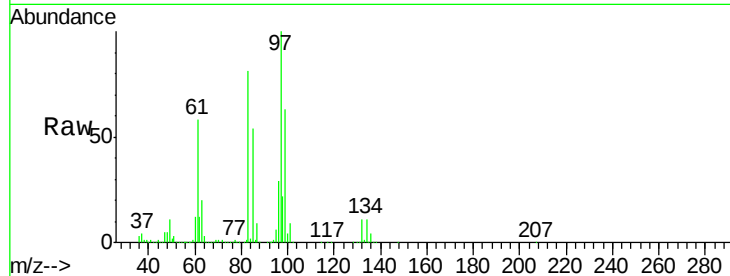
#55
 1,1,2-Trichloroethane
 Concen: 56.108 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX011964.D
 Acq: 31 Aug 2019 22:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	135941
Ion	Ratio	Lower	Upper
97	100		
83	81.1	66.8	100.2
85	53.7	43.5	65.3
99	62.5	50.6	75.8

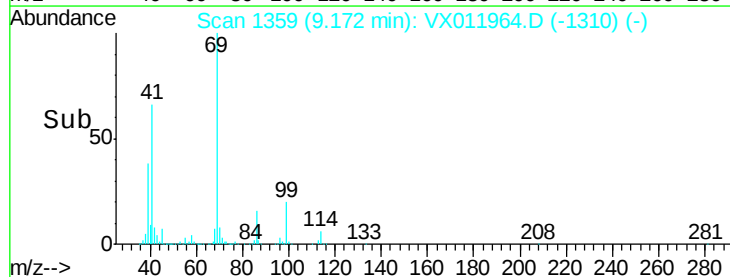
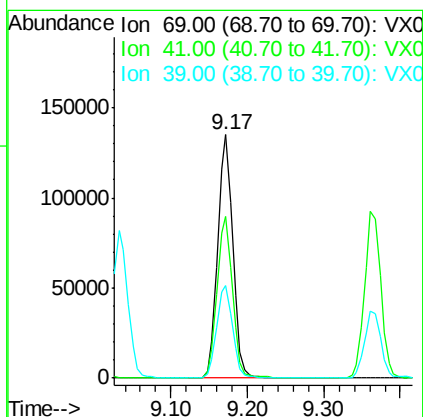
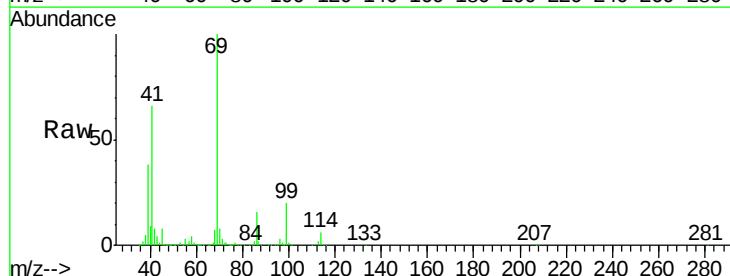
Manual Integrations
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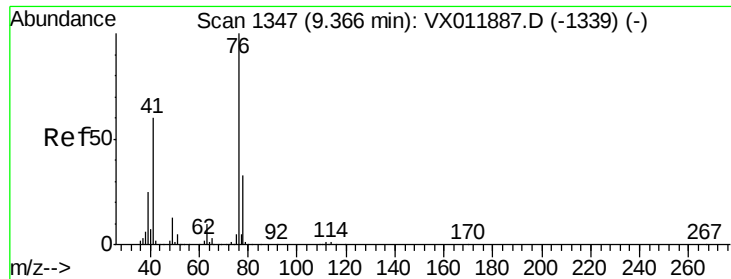
sam
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#56
 Ethyl methacrylate
 Concen: 55.164 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX011964.D
 Acq: 31 Aug 2019 22:07

Tgt Ion:	69	Resp:	185496
Ion	Ratio	Lower	Upper
69	100		
41	66.9	55.8	83.8
39	39.1	31.1	46.7





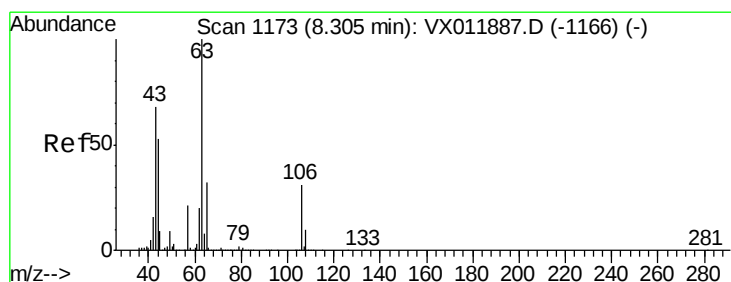
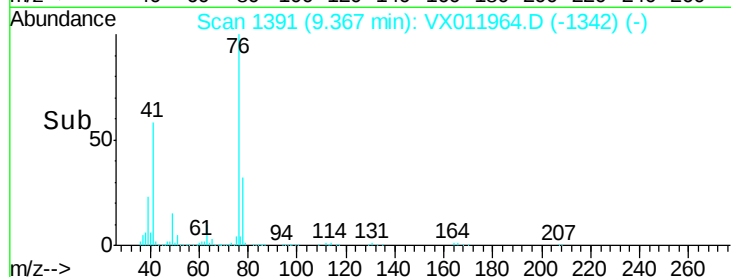
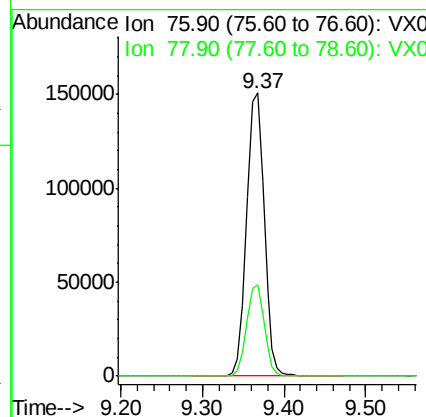
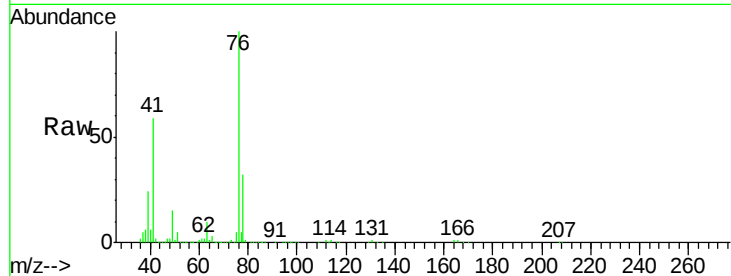
#57
 1,3-Dichloropropane
 Concen: 55.923 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX011964.D
 Acq: 31 Aug 2019 22:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.4	39.6

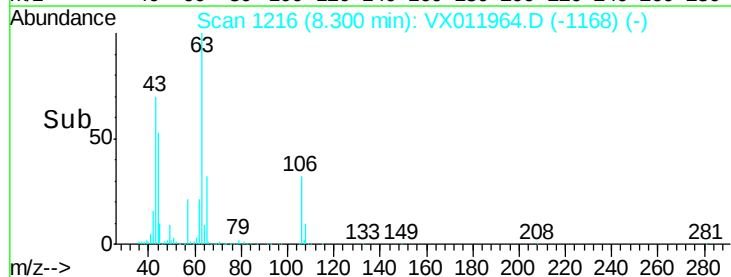
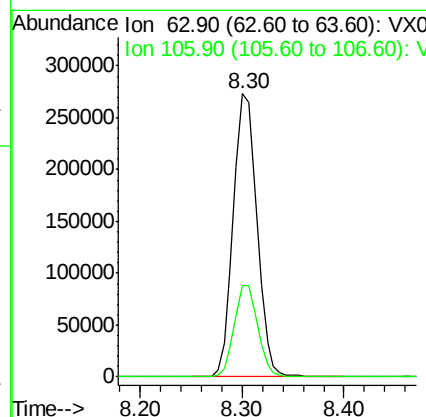
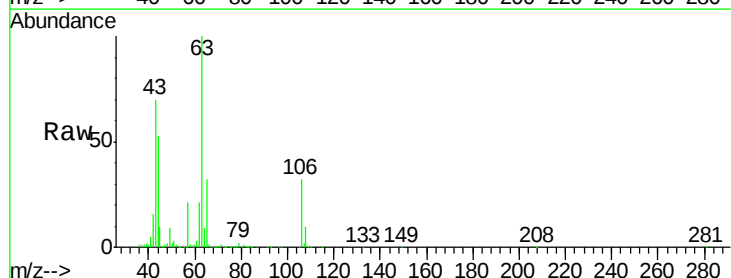
Manual Integrations
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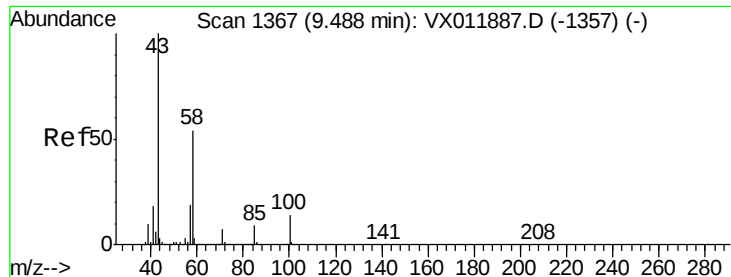
sam
 9/3/2019 12:53:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 272.840 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: VX011964.D
 Acq: 31 Aug 2019 22:07

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.2	24.8	37.2





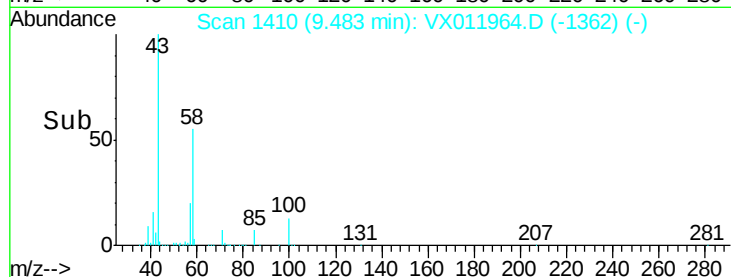
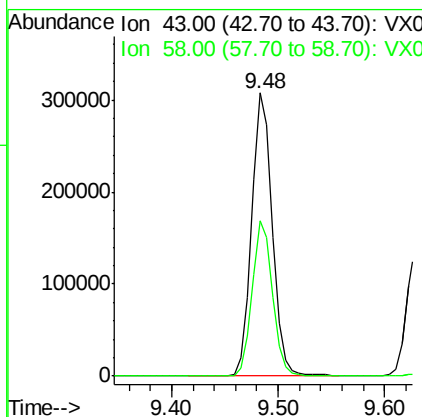
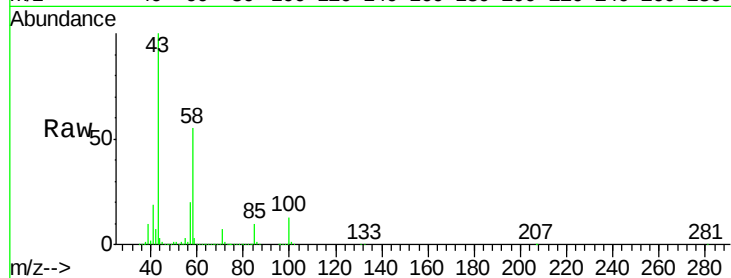
#59
2-Hexanone
Concen: 270.012 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 417641
Ion Ratio Lower Upper
43 100
58 54.3 26.8 80.4

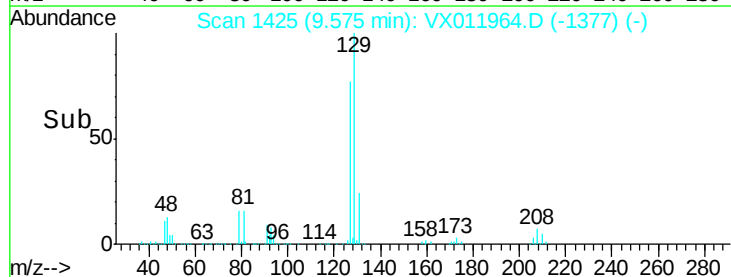
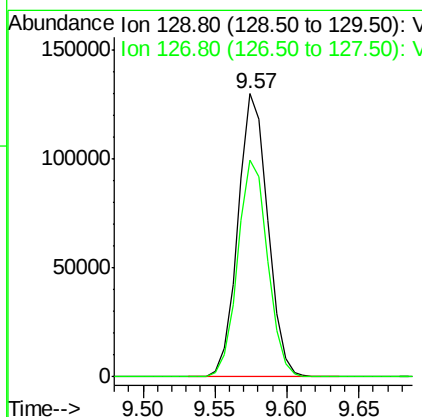
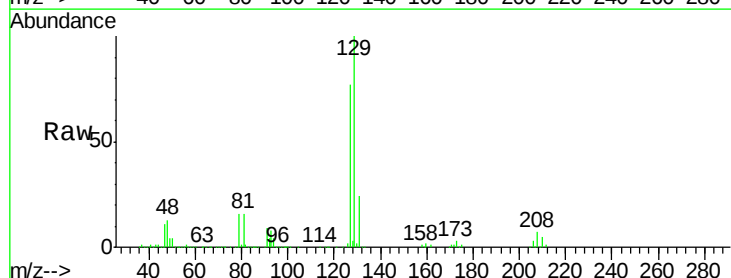
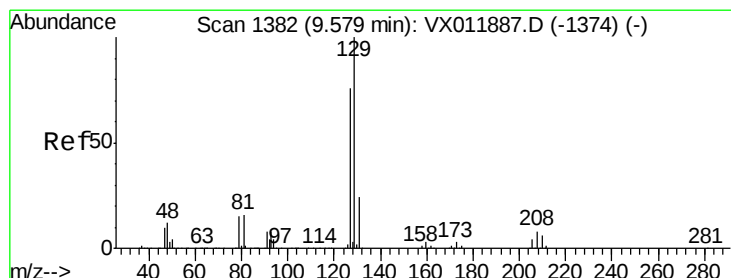
Manual Integrations
APPROVED

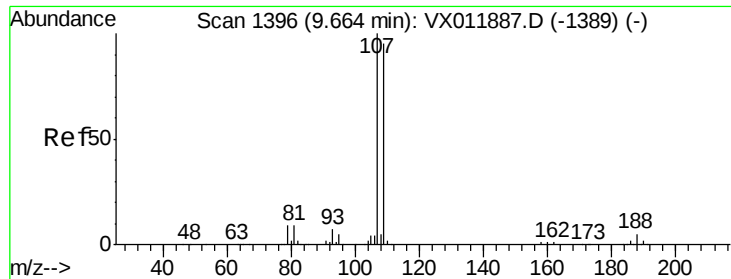
sam
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#60
Dibromochloromethane
Concen: 57.304 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

Tgt Ion: 129 Resp: 186473
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.7





#61

1,2-Dibromoethane

Concen: 56.487 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Tot Ion: 107 Resp: 135691

Ion Ratio Lower Upper

107 100

109 93.9 75.3 112.9

Instrument :

MSVOA_X

ClientSampled :

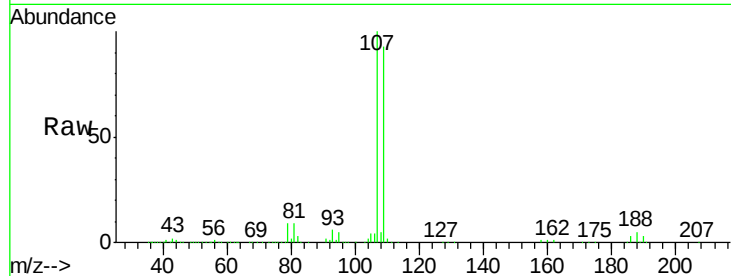
VSTDCCC050

Manual Integrations

APPROVED

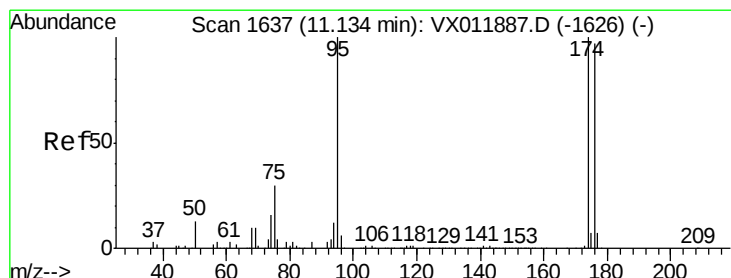
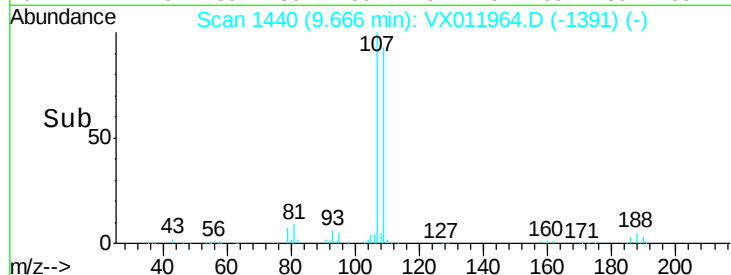
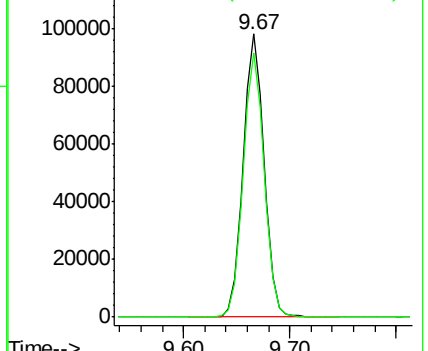
sam

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.317 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

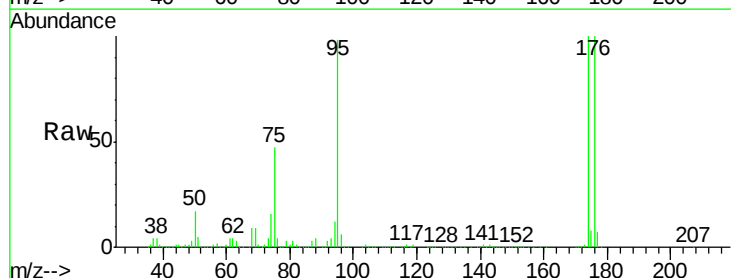
Tgt Ion: 95 Resp: 232624

Ion Ratio Lower Upper

95 100

174 100.1 0.0 196.0

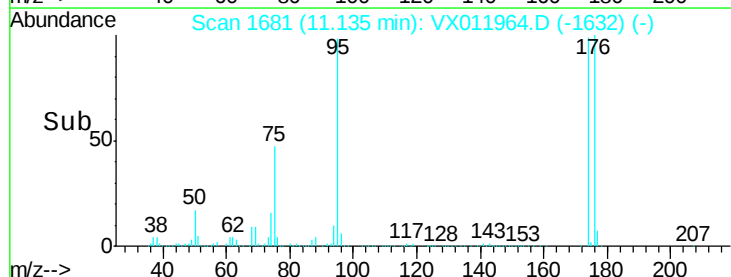
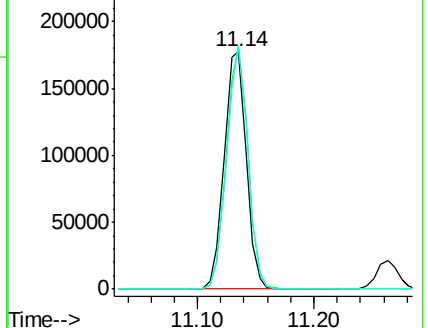
176 98.3 0.0 191.4

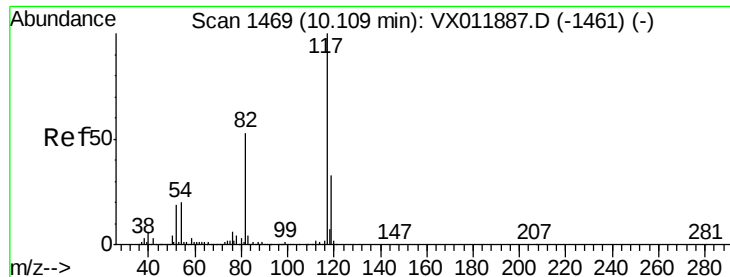


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





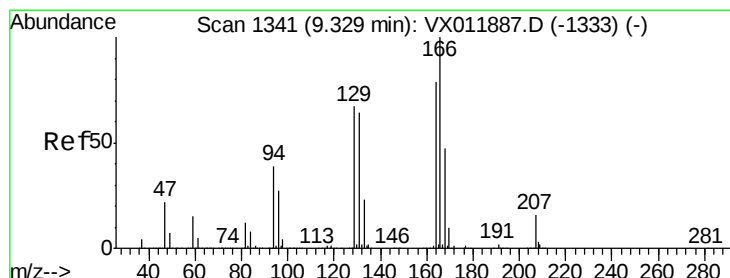
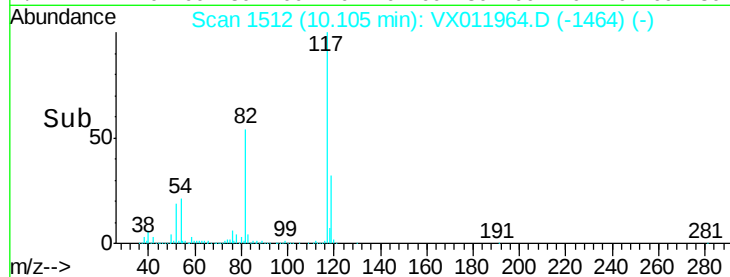
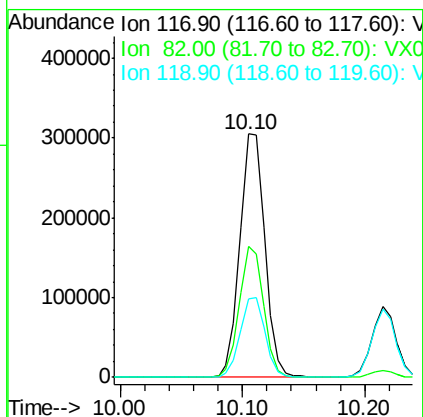
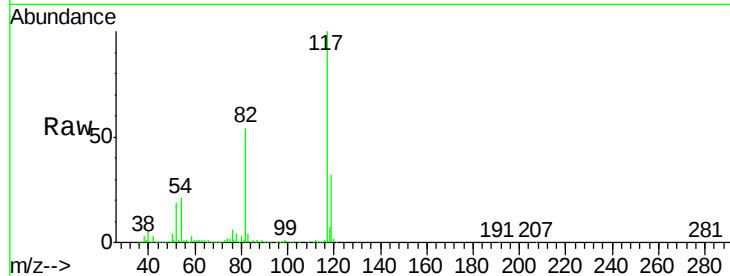
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	432171		
82	53.7	42.0	63.0	
119	32.2	26.2	39.4	

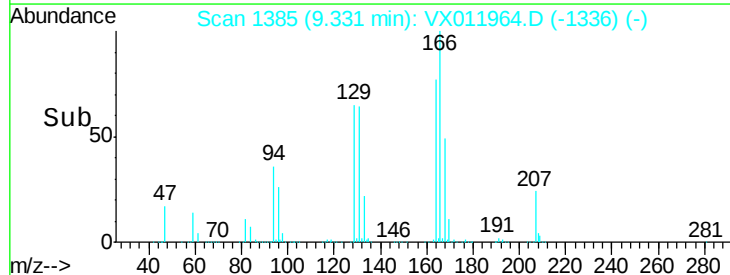
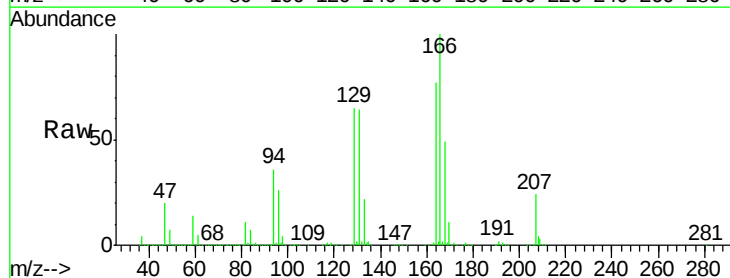
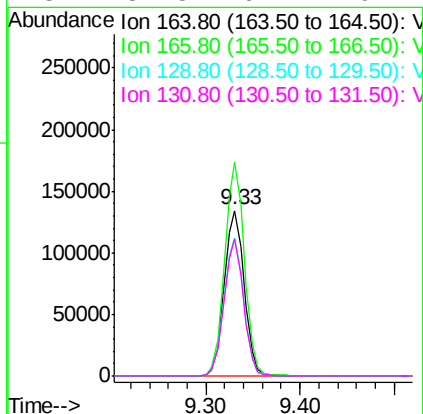
Manual Integrations
APPROVED

sam
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#64
Tetrachloroethene
Concen: 56.582 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	196701		
166	129.2	101.4	152.0	
129	83.5	68.0	102.0	
131	82.8	64.7	97.1	





#65

Chlorobenzene

Concen: 54.624 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 457470

Ion Ratio Lower Upper

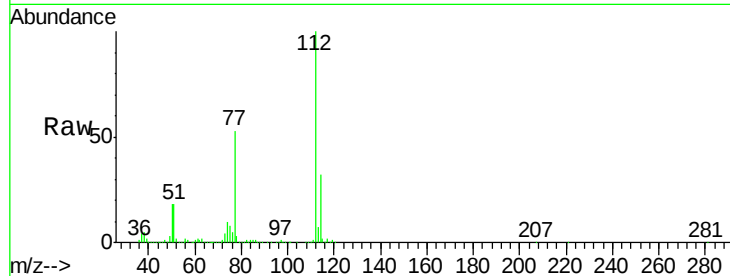
112 100

114 32.4 25.9 38.9

Manual Integrations
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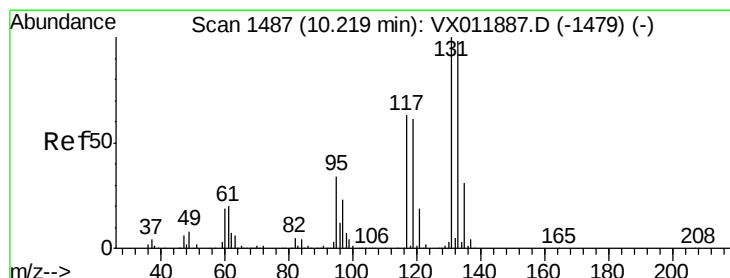
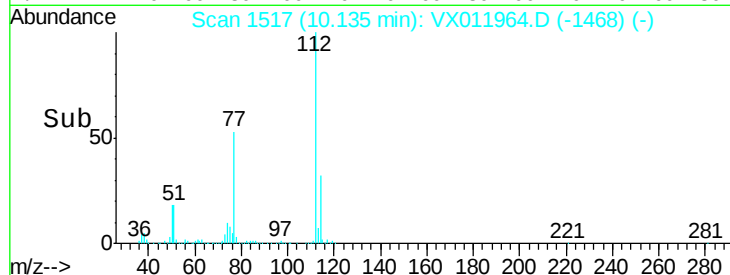
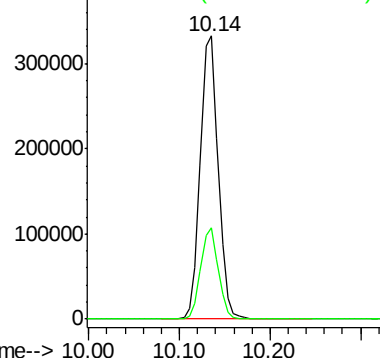
sam

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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: 55.791 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

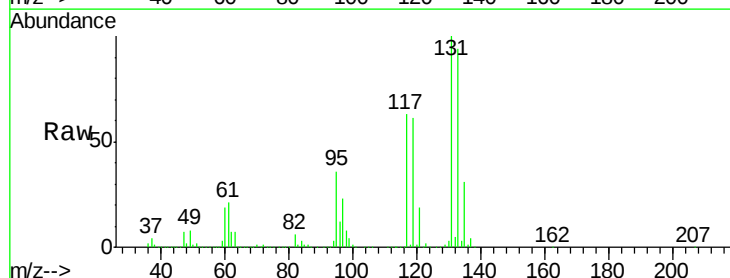
Tgt Ion:131 Resp: 188946

Ion Ratio Lower Upper

131 100

133 95.7 48.4 145.0

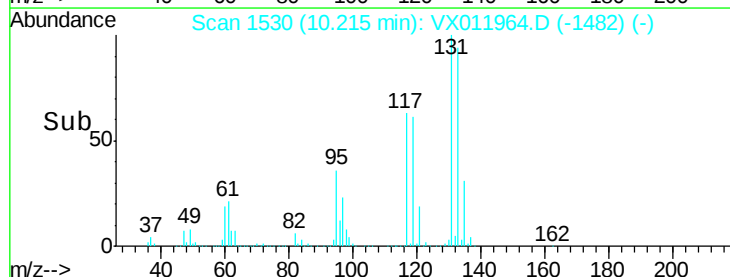
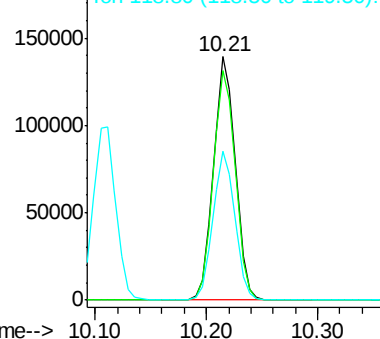
119 61.5 30.6 92.0

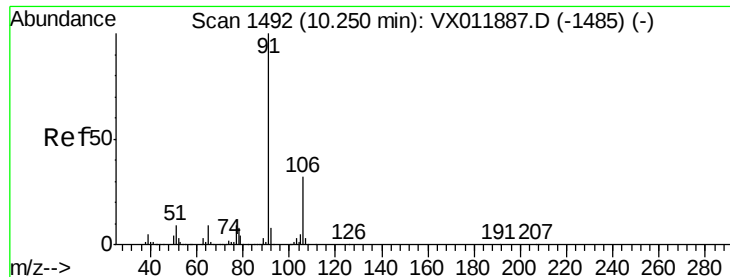


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





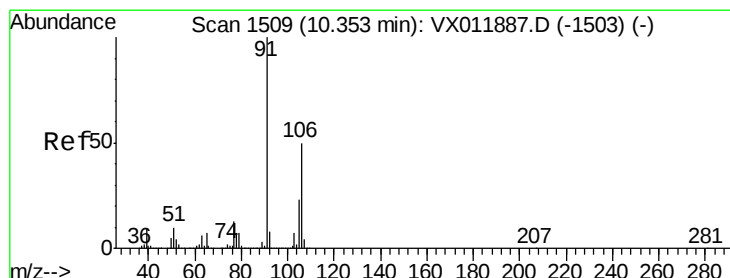
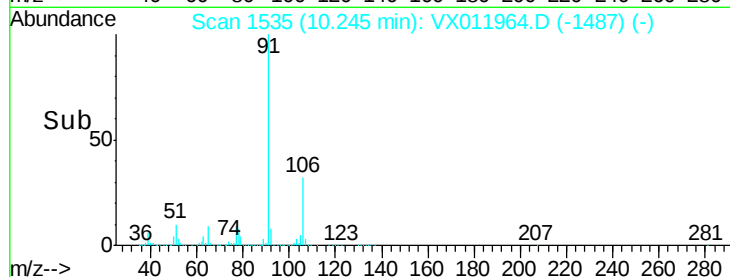
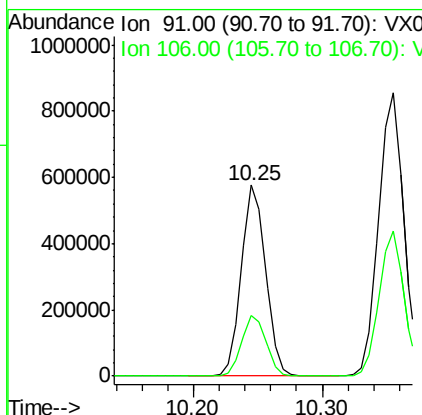
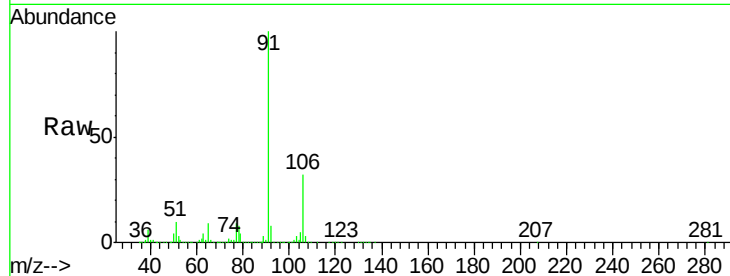
#67
Ethyl Benzene
Concen: 52.728 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.0	25.8	38.8

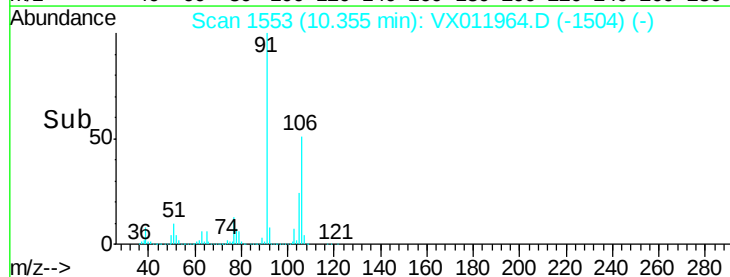
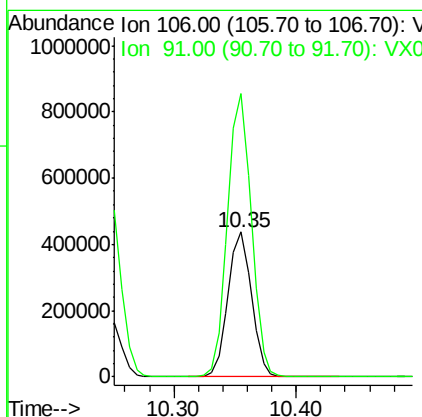
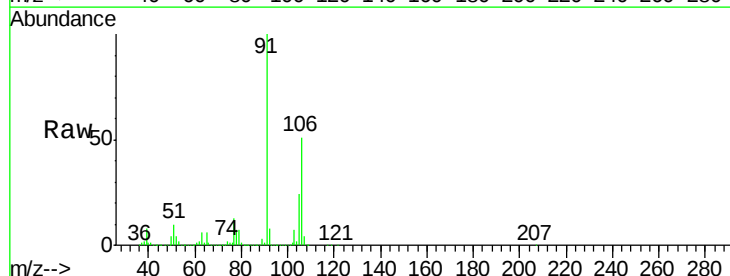
Manual Integrations
APPROVED

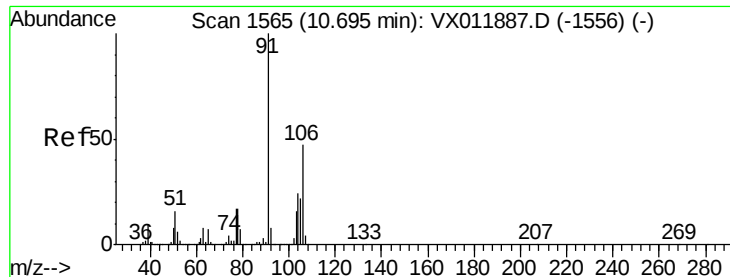
sam
9/3/2019 12:53:07 PM



#68
m/p-Xylenes
Concen: 105.810 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.8	158.6	237.8





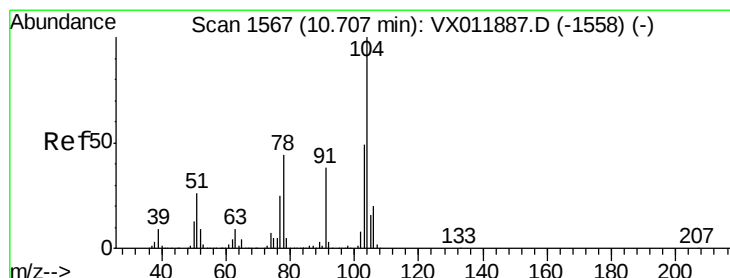
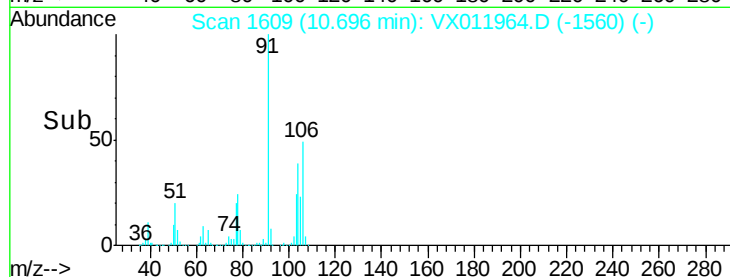
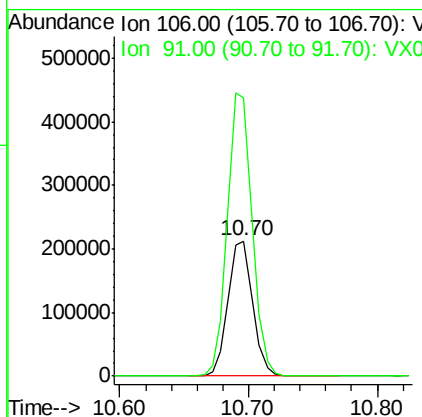
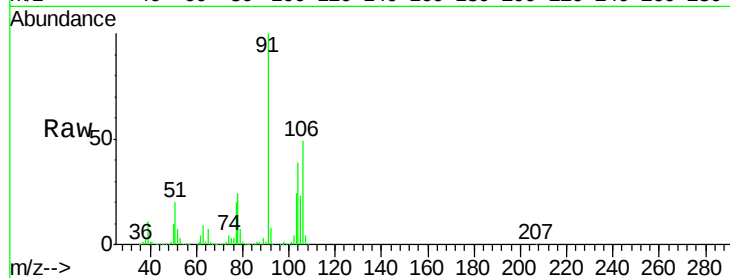
#69
o-Xylene
Concen: 53.615 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
287393	106	100		
	91	210.2	104.8	314.6

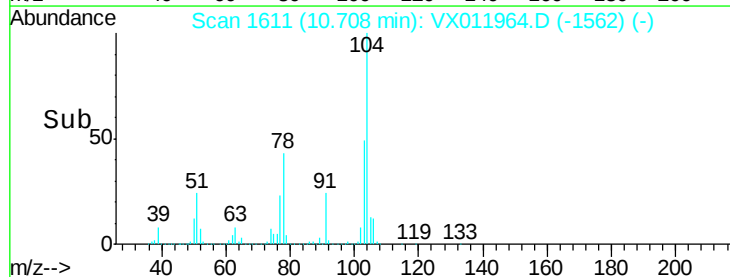
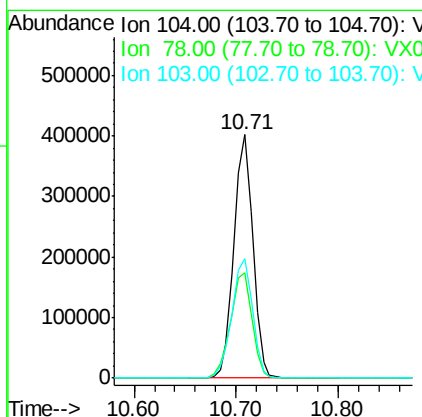
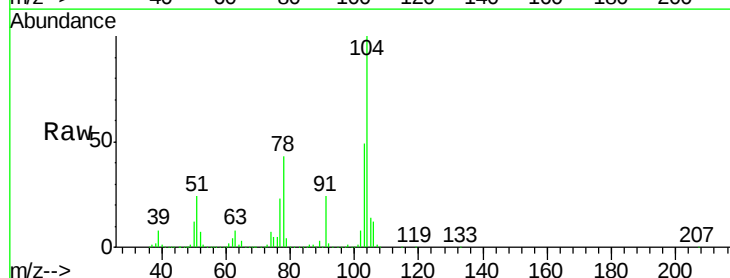
Manual Integrations
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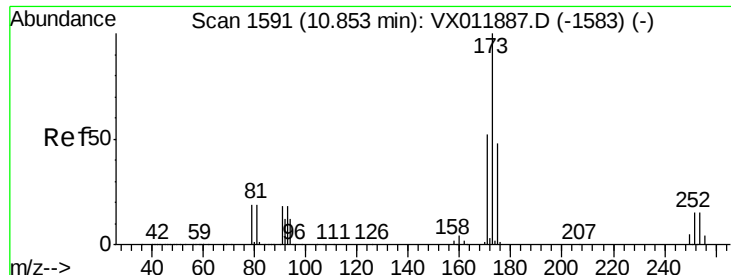
sam
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#70
Styrene
Concen: 54.461 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

Tgt Ion	Ion	Ratio	Lower	Upper
514556	104	100		
	78	49.2	39.2	58.8
	103	53.9	43.0	64.6





#71

Bromoform

Concen: 56.808 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:173 Resp: 136040

Ion Ratio Lower Upper

173 100

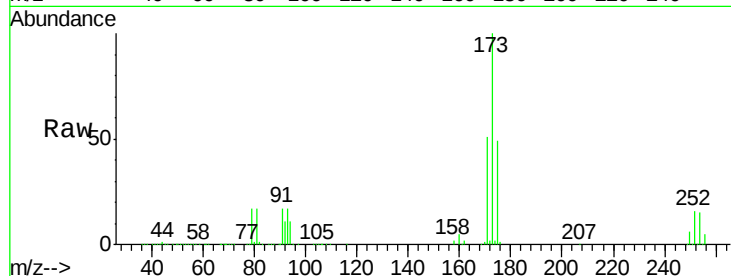
175 49.1 24.4 73.2

254 0.2 0.1 0.1#

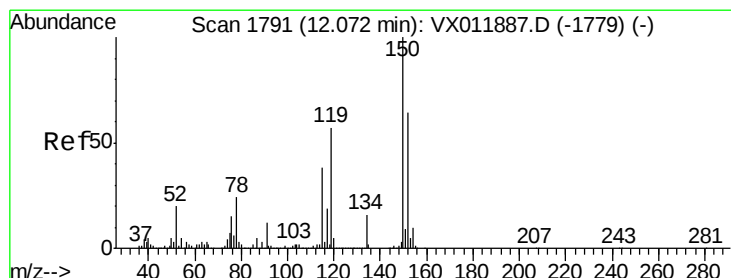
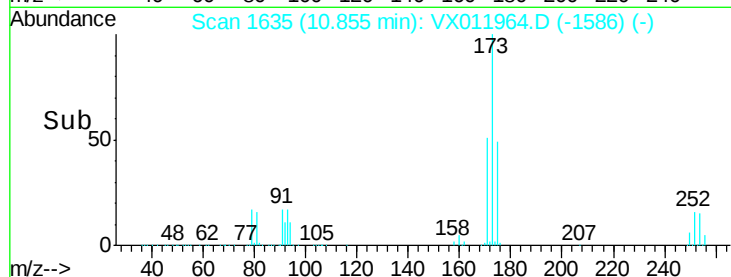
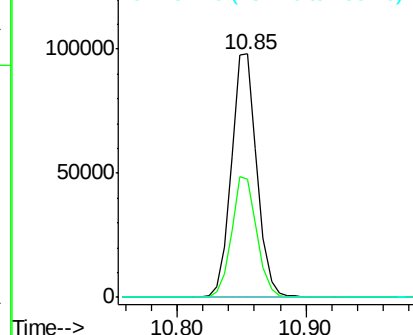
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

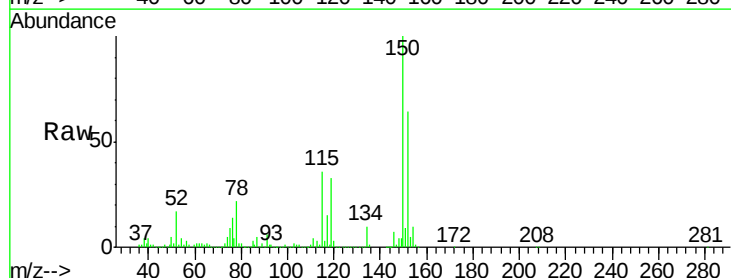
Tgt Ion:152 Resp: 255669

Ion Ratio Lower Upper

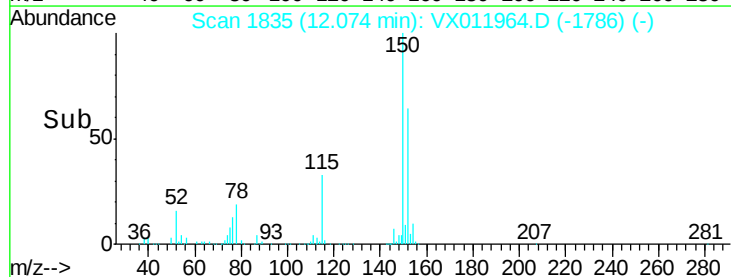
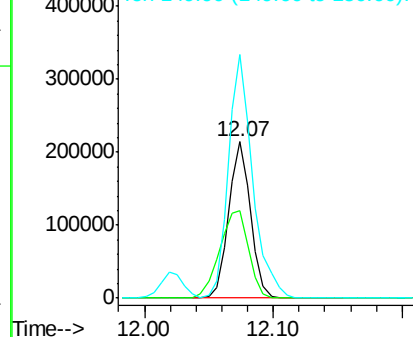
152 100

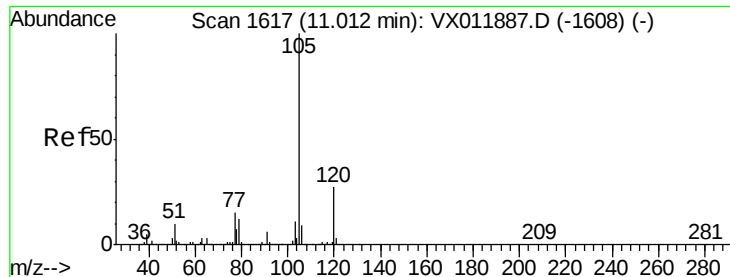
115 74.8 37.1 111.3

150 172.5 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: 52.131 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 765818

Ion Ratio Lower Upper

105 100

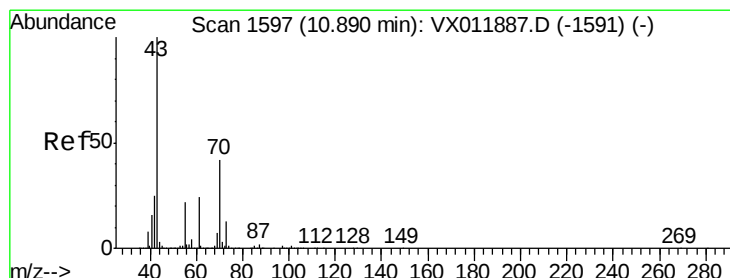
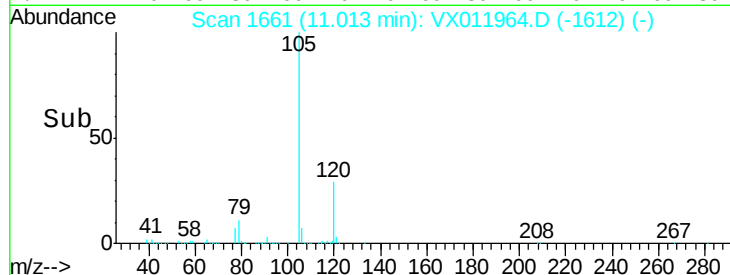
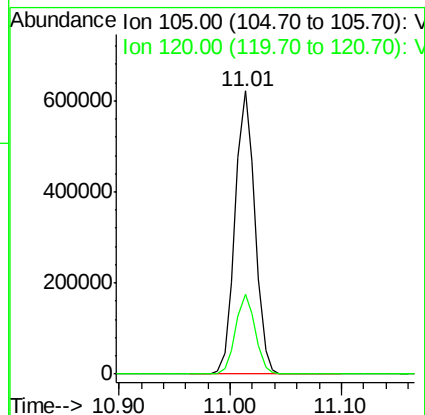
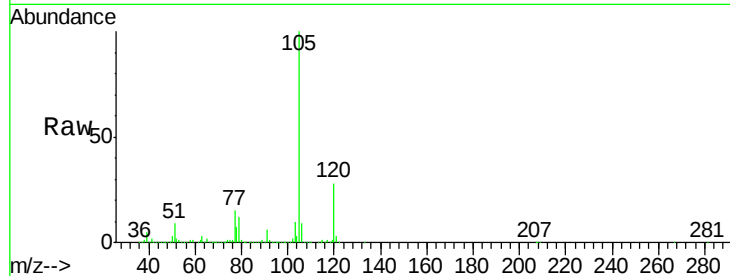
120 27.8 13.8 41.4

Manual Integrations

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sam

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#74

N-ethyl acetate

Concen: 51.369 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Tgt Ion: 43 Resp: 223945

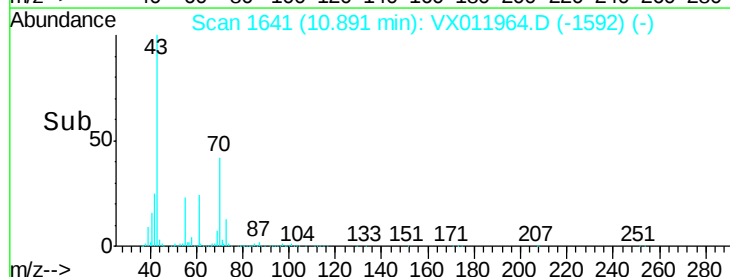
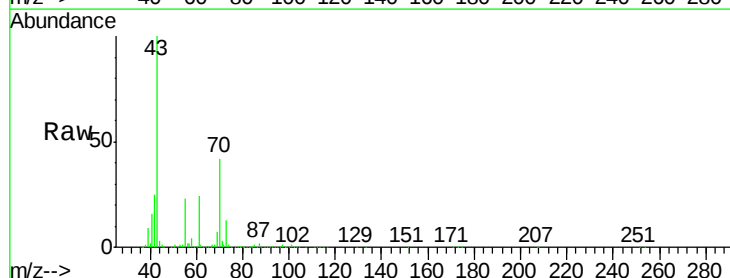
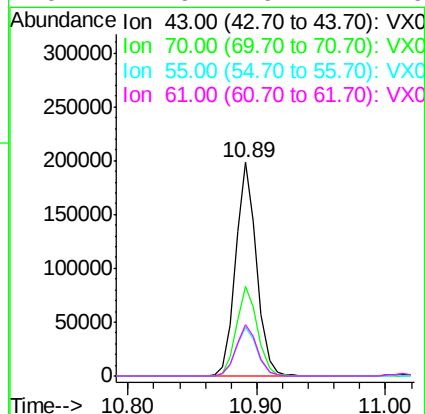
Ion Ratio Lower Upper

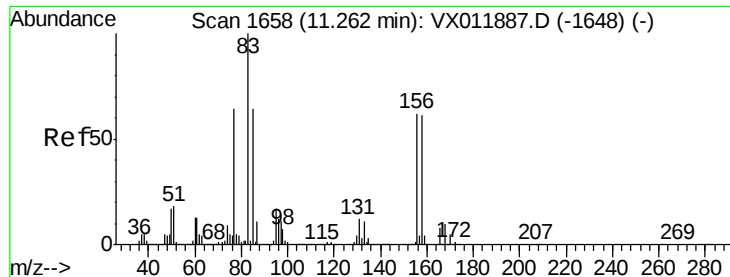
43 100

70 42.8 0.2 0.2#

55 23.3 0.1 0.1#

61 24.6 16.4 24.6





#75

1,1,2,2-Tetrachloroethane

Concen: 53.609 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 161172

Ion Ratio Lower Upper

83 100

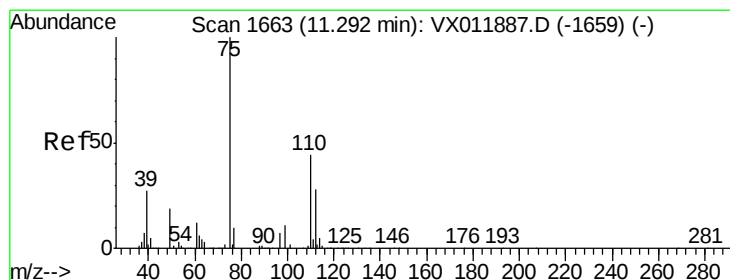
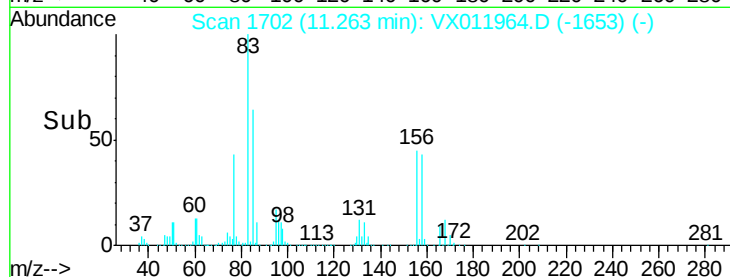
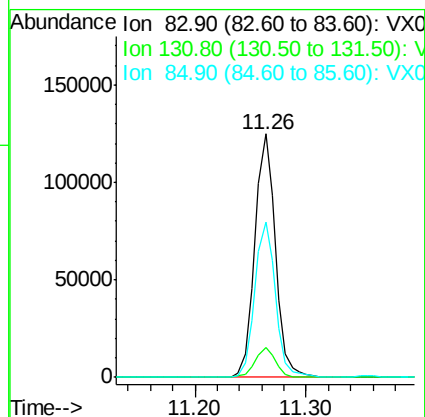
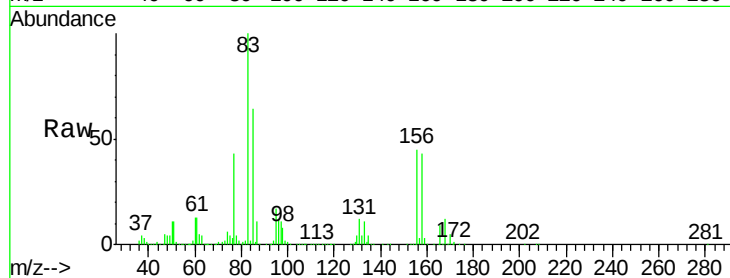
131 12.3 6.0 18.0

85 64.3 31.9 95.9

Manual Integrations
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sam

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#76

1,2,3-Trichloropropane

Concen: 48.157 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX011964.D

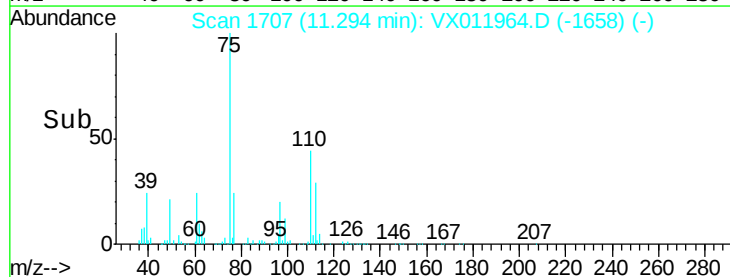
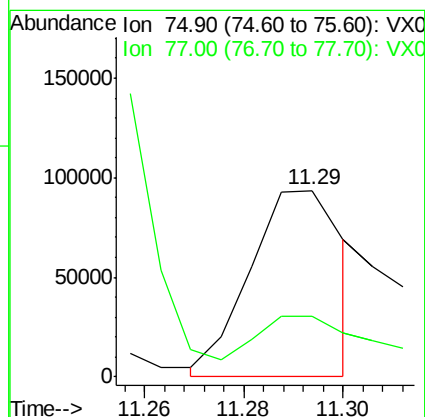
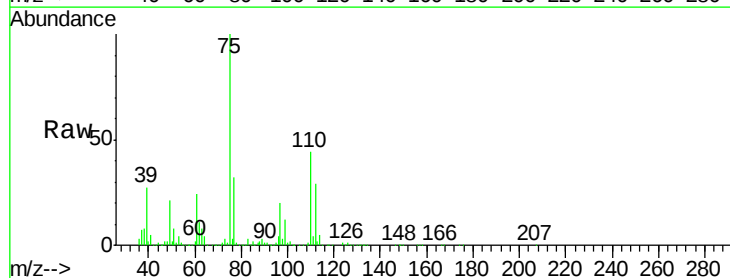
Acq: 31 Aug 2019 22:07

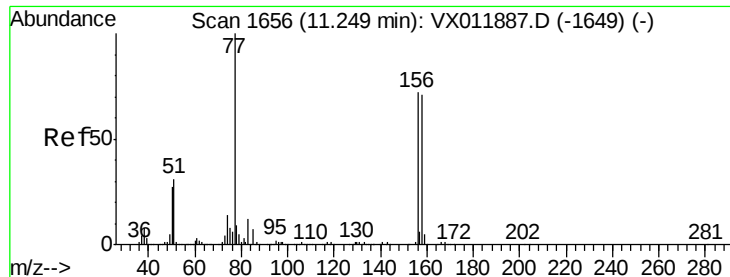
Tgt Ion: 75 Resp: 121115

Ion Ratio Lower Upper

75 100

77 44.4 20.9 62.7





#77

Bromobenzene

Concen: 54.883 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Instrument :

MSVOA_X

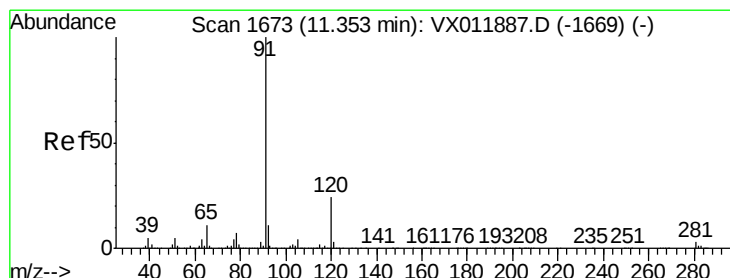
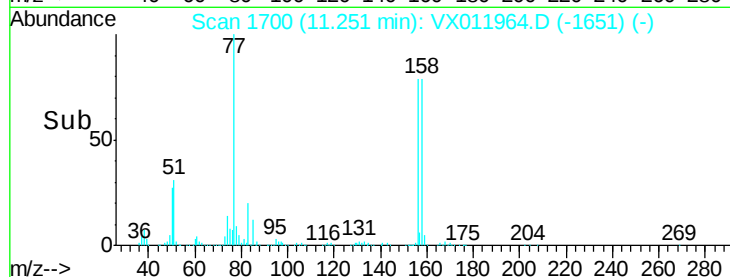
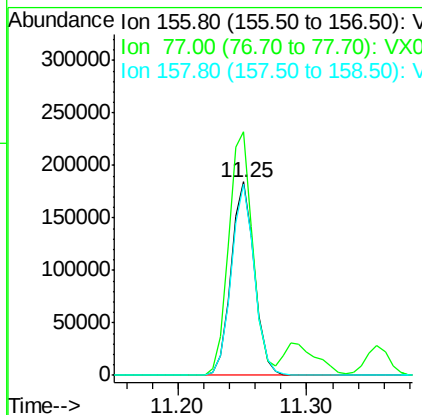
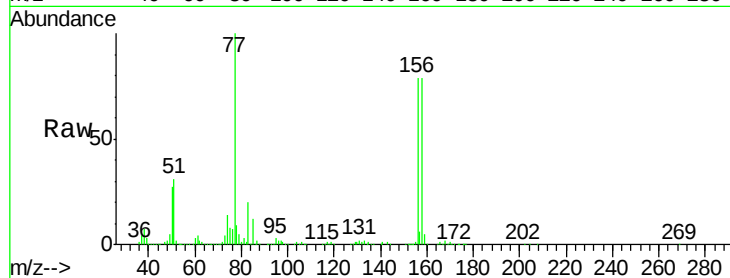
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	233828
Ion Ratio	Lower	Upper	
156	100		
77	130.7	68.1	204.3
158	97.7	48.9	146.8

Manual Integrations
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sam
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#78

n-propylbenzene

Concen: 51.646 ug/l

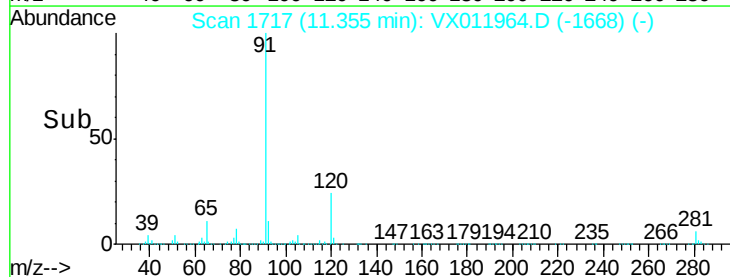
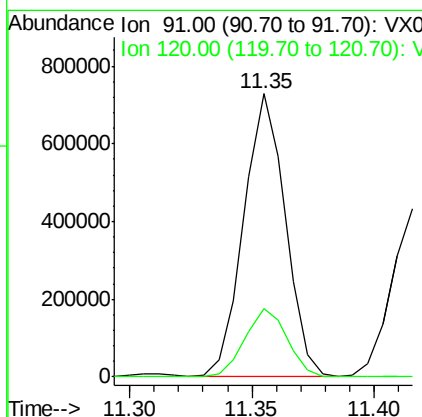
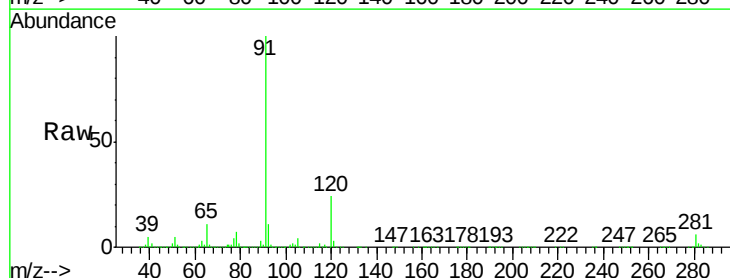
RT: 11.35 min Scan# 1717

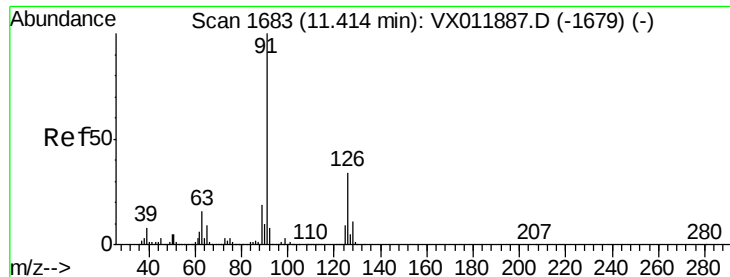
Delta R.T. 0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Tgt Ion:	91	Resp:	860324
Ion Ratio	Lower	Upper	
91	100		
120	24.8	12.3	36.9





#79

2-Chlorotoluene

Concen: 52.792 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 529341

Ion Ratio Lower Upper

91 100

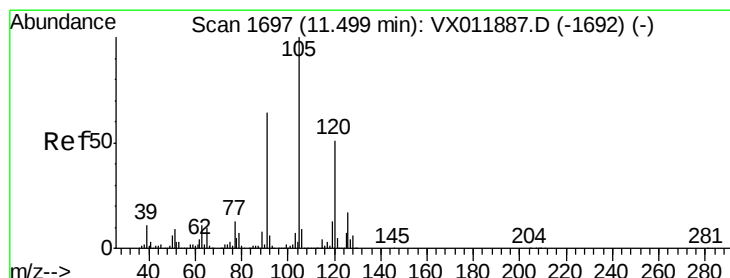
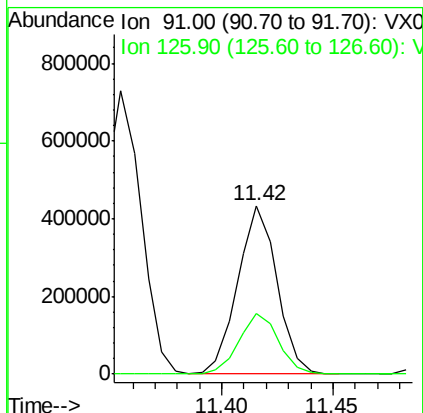
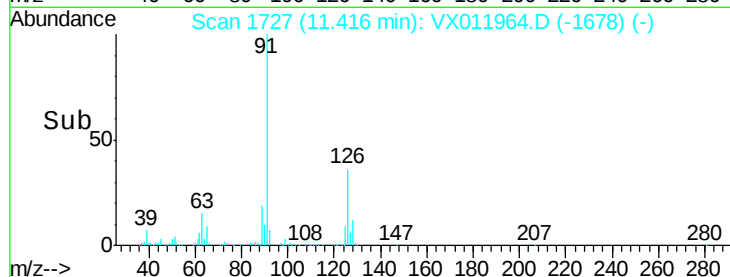
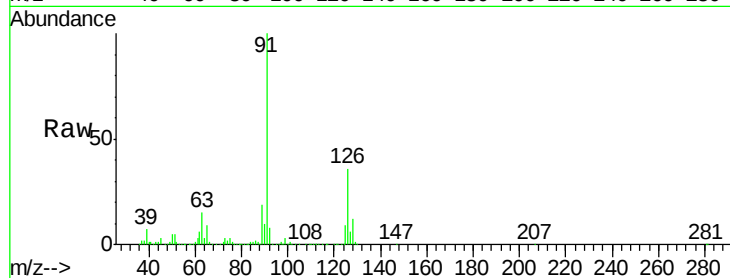
126 36.5 17.9 53.8

Manual Integrations

APPROVED

sam

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#80

1,3,5-Trimethylbenzene

Concen: 52.838 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011964.D

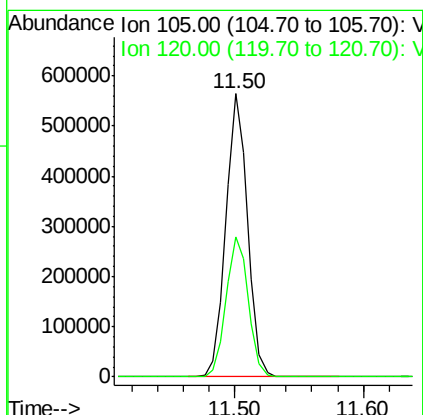
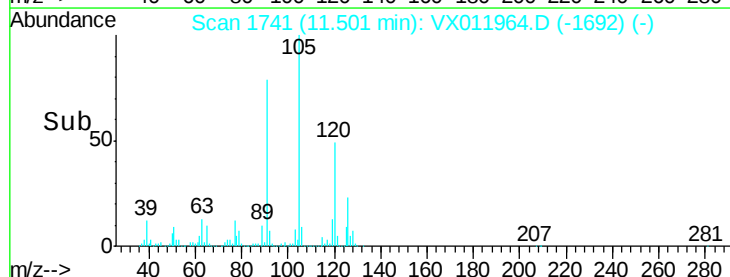
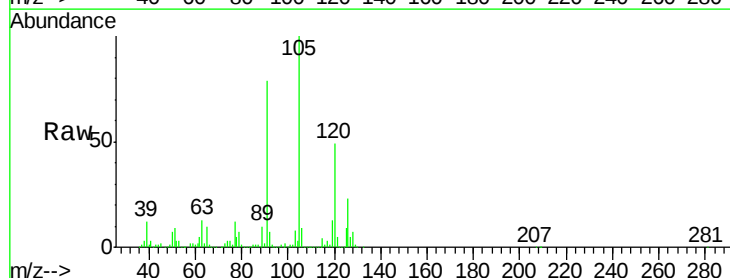
Acq: 31 Aug 2019 22:07

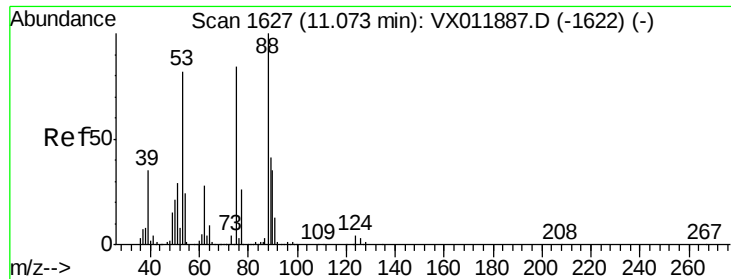
Tgt Ion: 105 Resp: 669977

Ion Ratio Lower Upper

105 100

120 50.6 25.3 75.9





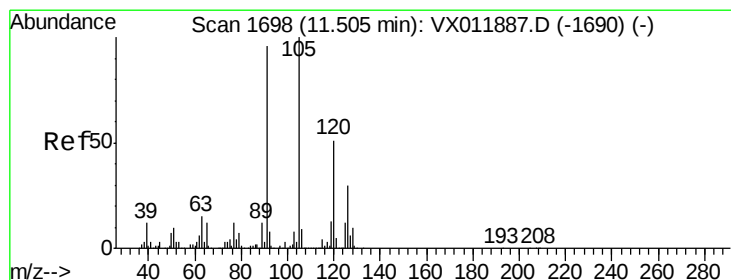
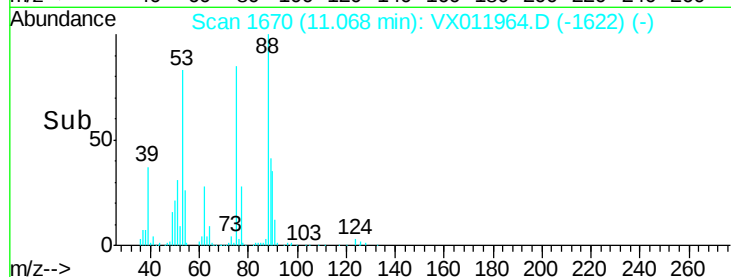
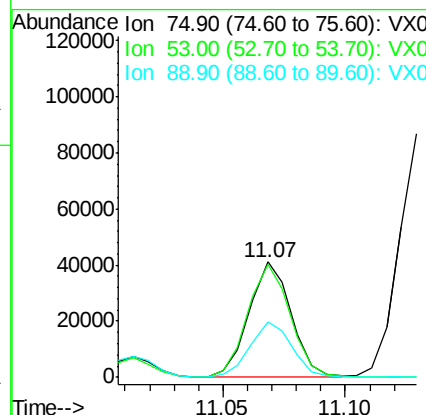
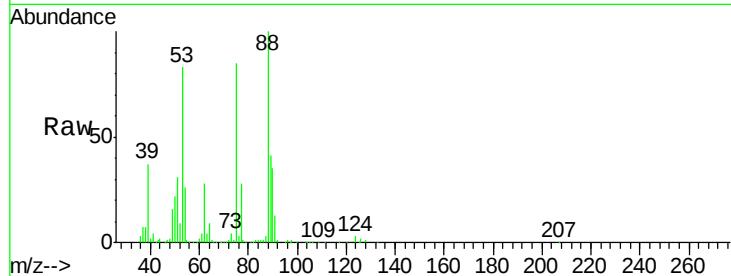
#81
trans-1,4-Dichloro-2-butene
Concen: 49.291 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.8	77.1	115.7
89	48.6	38.2	57.2

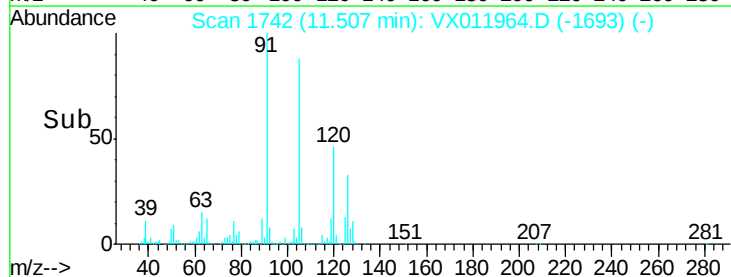
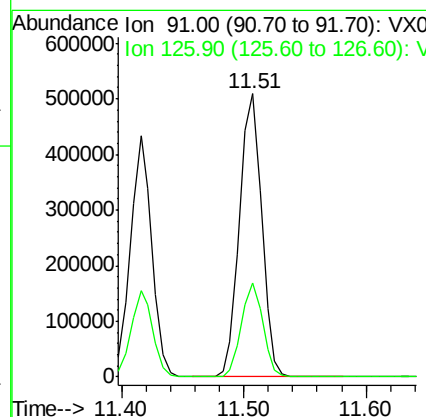
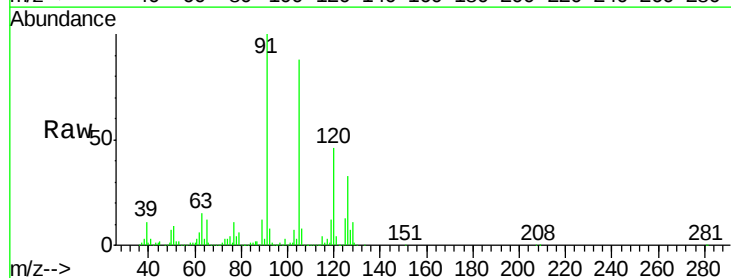
Manual Integrations
APPROVED

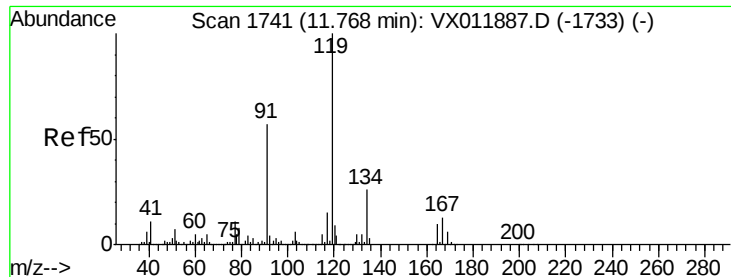
sam
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#82
4-Chlorotoluene
Concen: 52.655 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.9	47.6





#83

tert-Butylbenzene

Concen: 52.477 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Instrument :

MSVOA_X

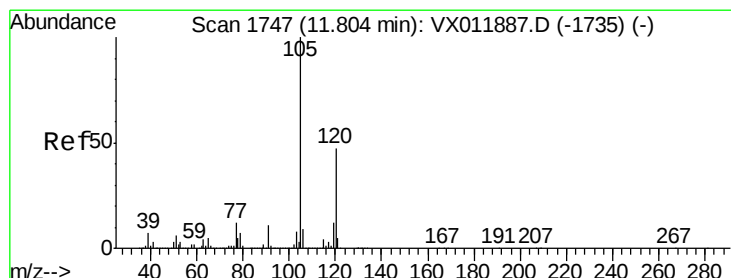
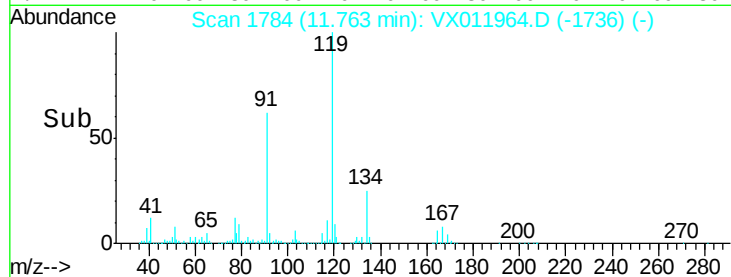
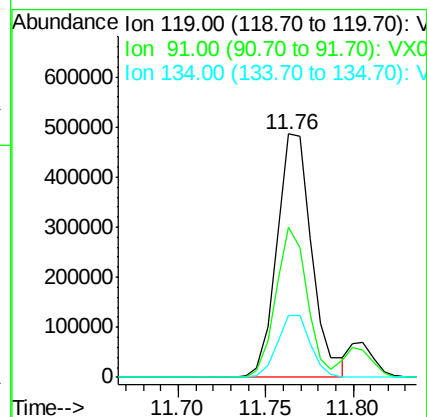
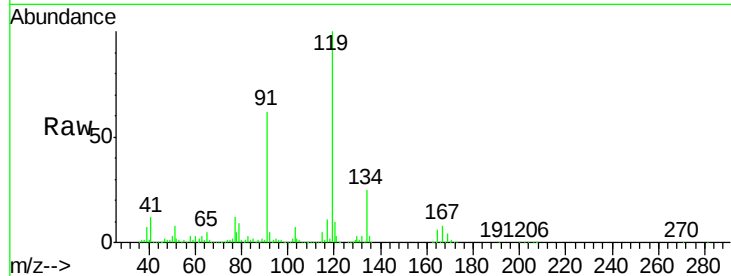
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	675176
Ion Ratio	Lower	Upper	
119	100		
91	55.4	27.9	83.6
134	24.2	12.3	36.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 52.492 ug/l

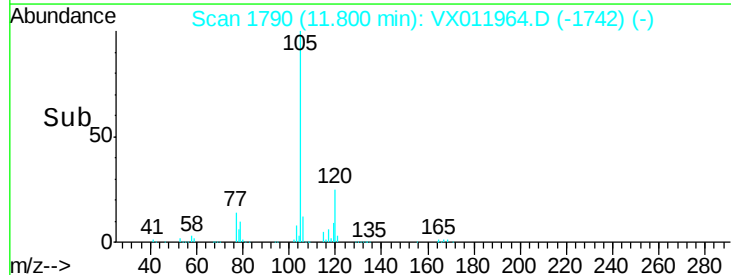
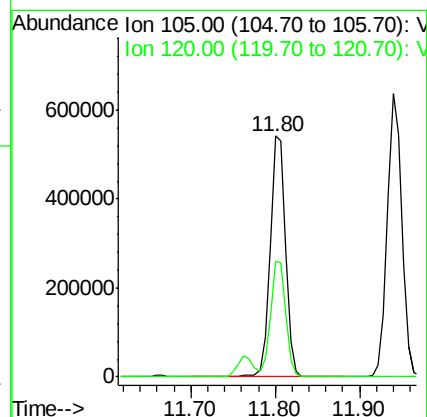
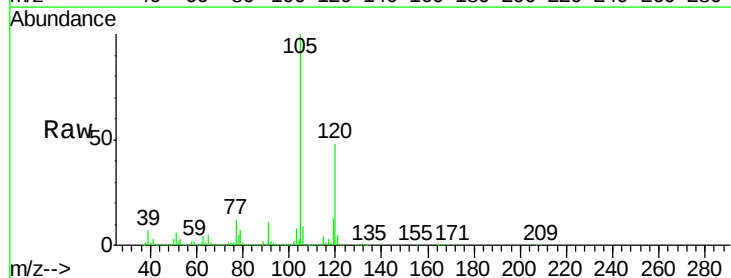
RT: 11.80 min Scan# 1790

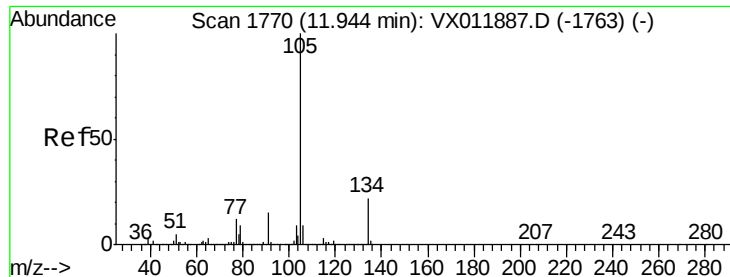
Delta R.T. -0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Tgt Ion:	105	Resp:	682126
Ion Ratio	Lower	Upper	
105	100		
120	47.2	23.4	70.3





#85

sec-Butylbenzene

Concen: 51.446 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 768826

Ion Ratio Lower Upper

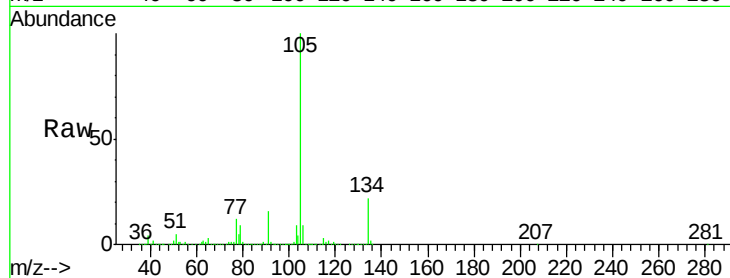
105 100

134 22.5 10.9 32.7

Manual Integrations
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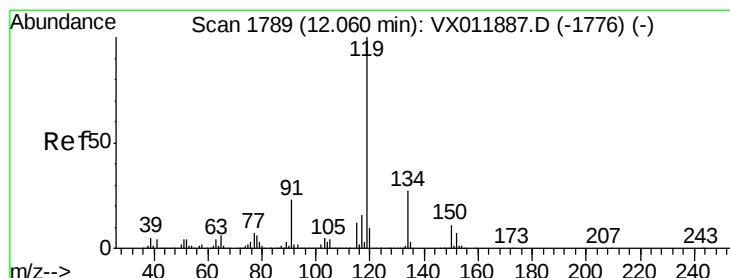
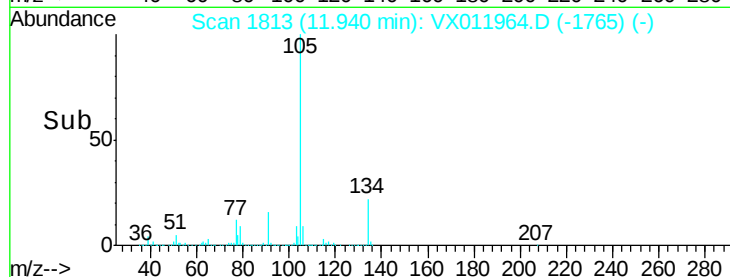
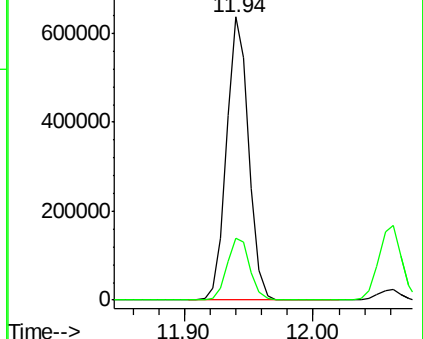
sam

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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: 51.951 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

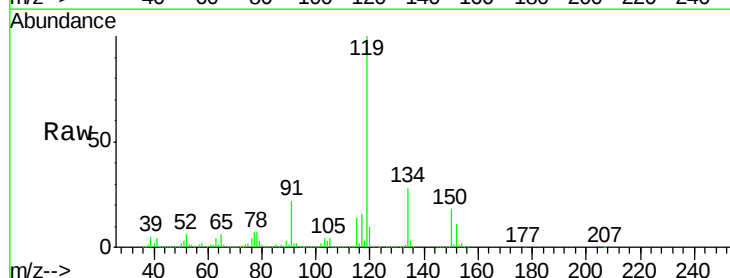
Tgt Ion:119 Resp: 752825

Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.0

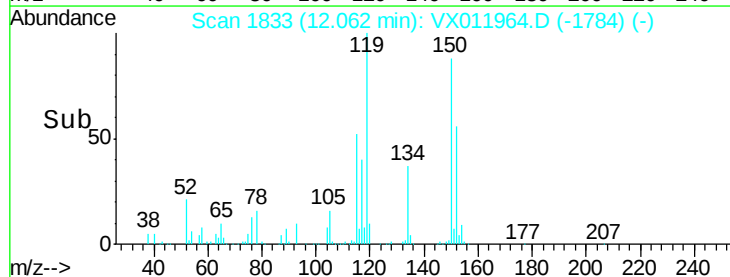
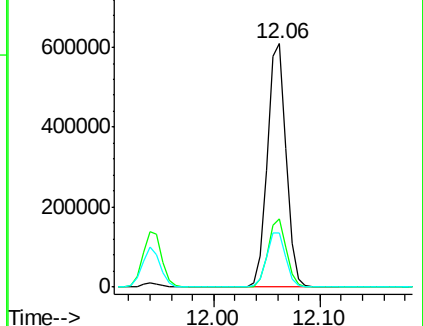
91 22.7 11.6 34.7

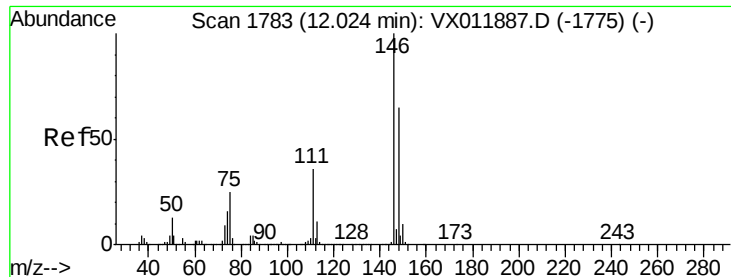


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





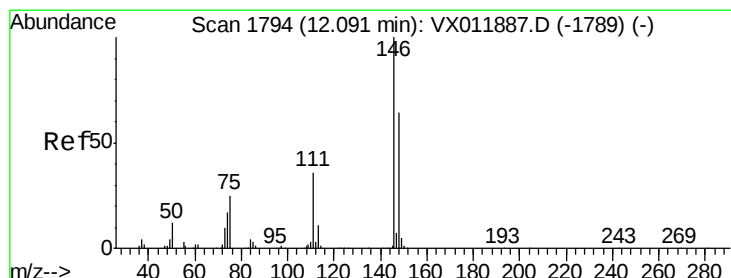
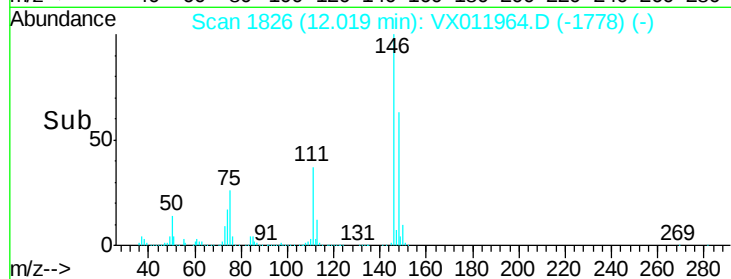
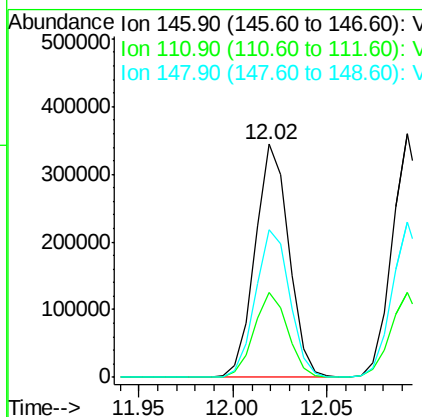
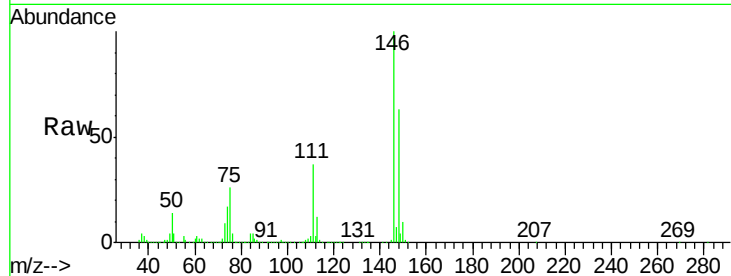
#87
 1,3-Dichlorobenzene
 Concen: 54.099 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX011964.D
 Acq: 31 Aug 2019 22:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	428366		
111	36.4	18.4	55.2	
148	64.1	32.1	96.5	

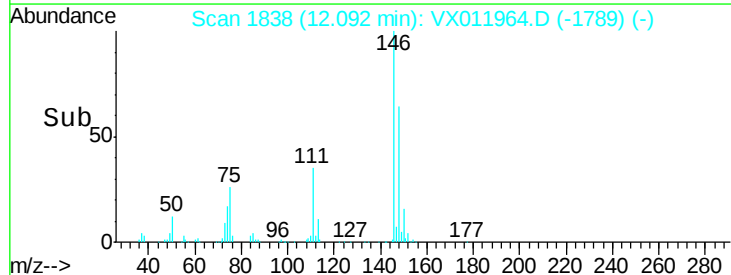
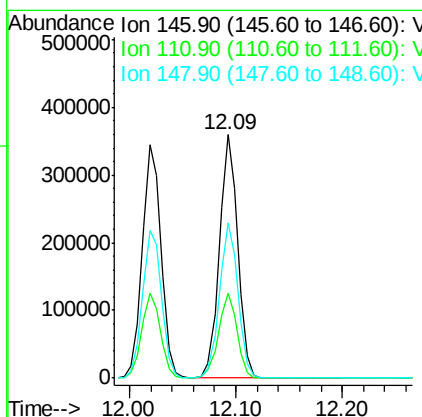
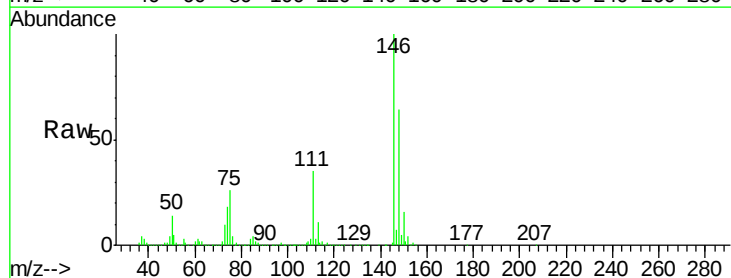
Manual Integrations
 APPROVED

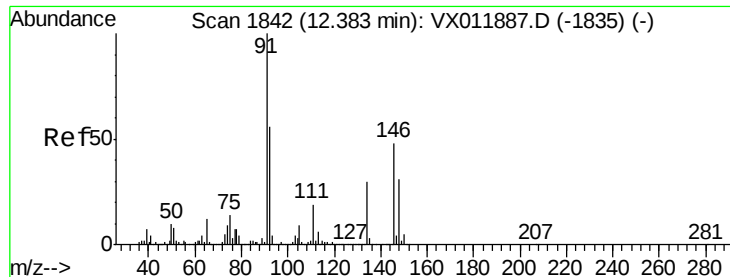
sam
 9/3/2019 12:53:07 PM



#88
 1,4-Dichlorobenzene
 Concen: 53.839 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX011964.D
 Acq: 31 Aug 2019 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	430967		
111	35.3	17.9	53.7	
148	64.2	32.4	97.0	





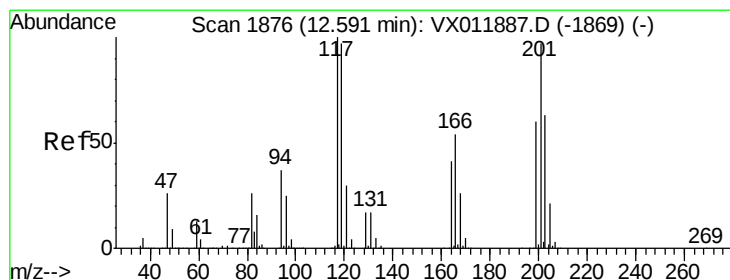
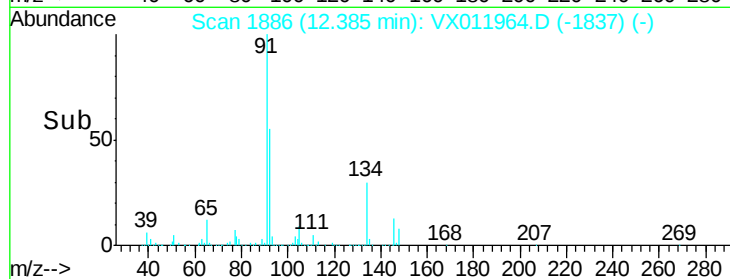
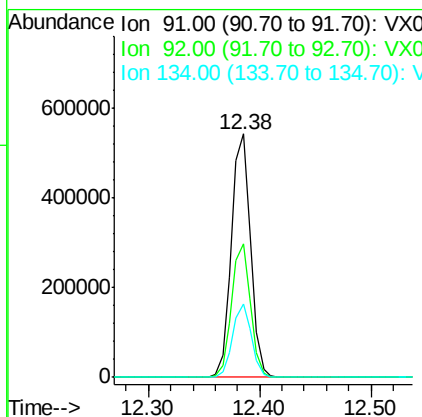
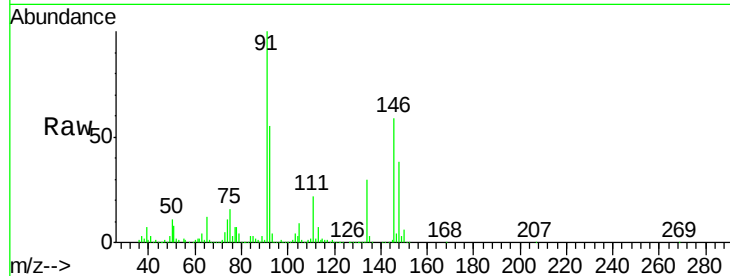
#89
n-Butylbenzene
Concen: 50.077 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.6	82.8
134	29.8	14.8	44.3

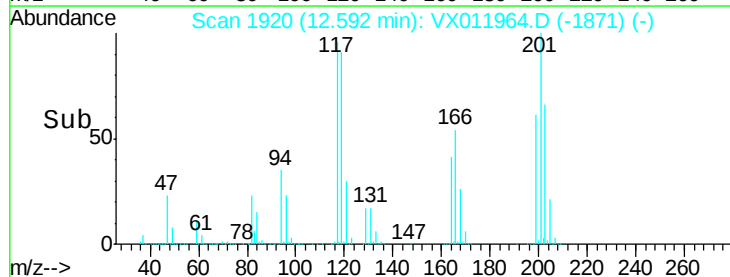
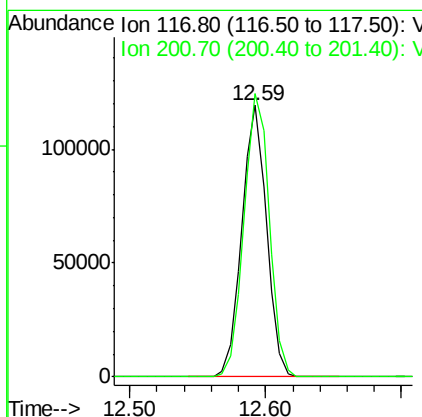
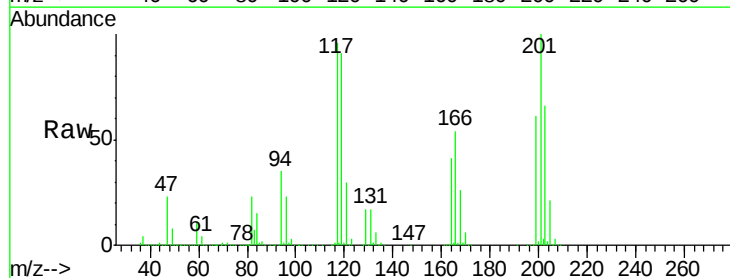
Manual Integrations
APPROVED

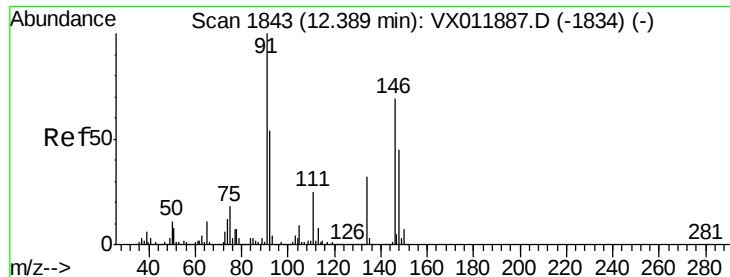
sam
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#90
Hexachloroethane
Concen: 53.867 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX011964.D
Acq: 31 Aug 2019 22:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	107.0	52.8	158.5





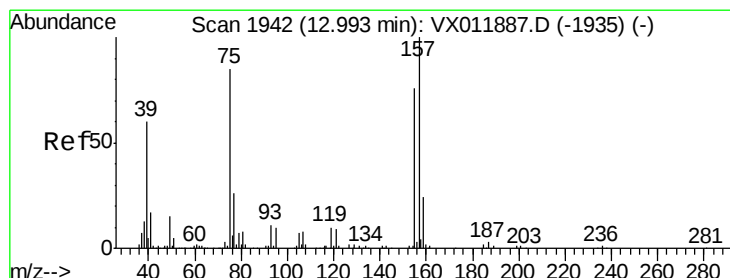
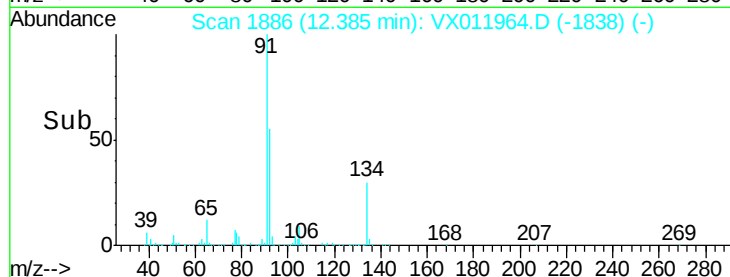
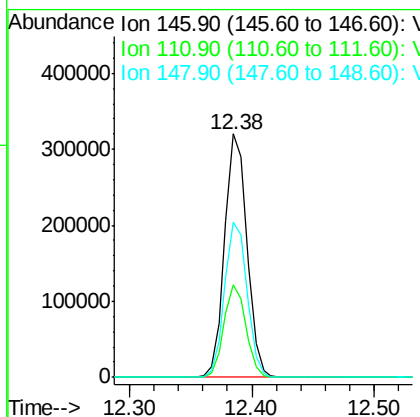
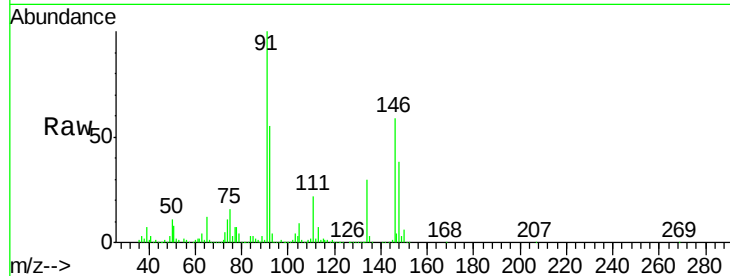
#91
 1,2-Dichlorobenzene
 Concen: 54.879 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX011964.D
 Acq: 31 Aug 2019 22:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	404005		
111	37.7	18.9	56.5	
148	64.3	32.1	96.3	

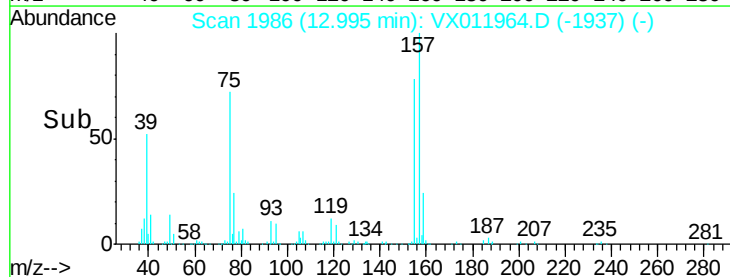
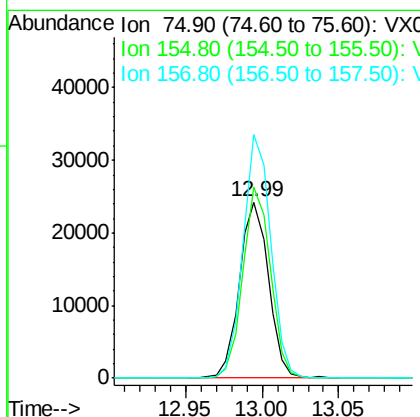
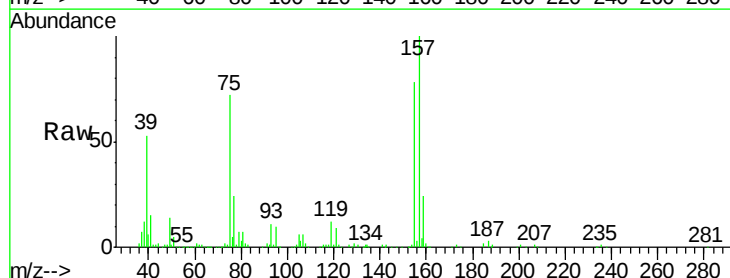
Manual Integrations
 APPROVED

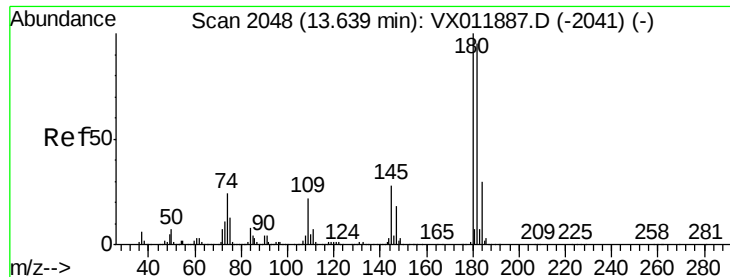
sam
 9/3/2019 12:53:07 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.473 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX011964.D
 Acq: 31 Aug 2019 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32024		
155	103.4	50.1	150.4	
157	132.2	63.9	191.7	





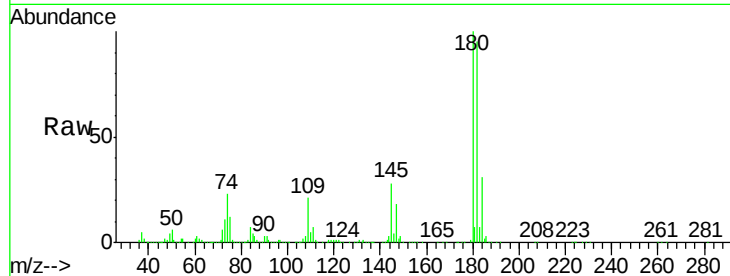
#93
 1,2,4-Trichlorobenzene
 Concen: 53.223 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX011964.D
 Acq: 31 Aug 2019 22:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

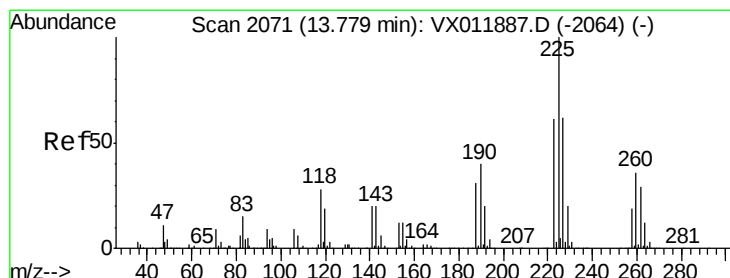
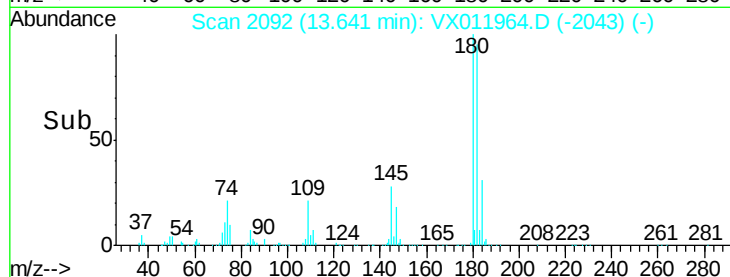
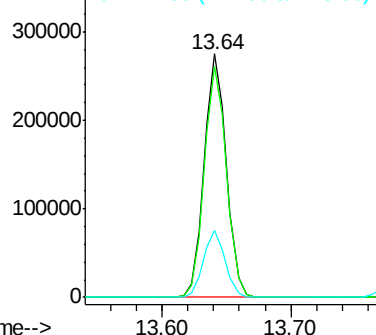
Tot Ion	Ratio	Resp	Lower	Upper
180	100	329917		
182	95.5	48.1	144.4	
145	27.3	13.8	41.3	

Manual Integrations
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sam
 9/3/2019 12:53:07 PM

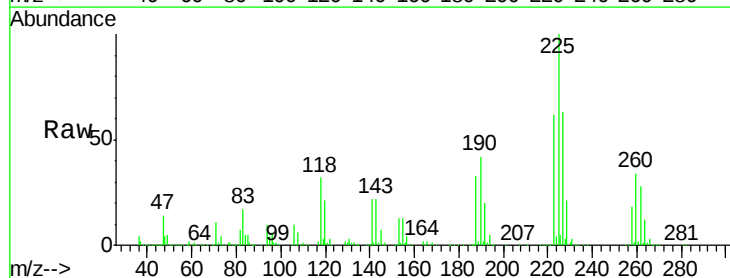


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

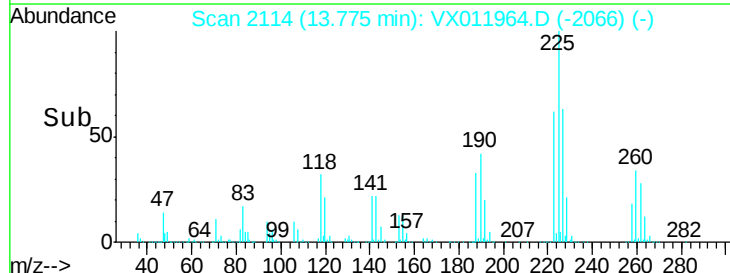
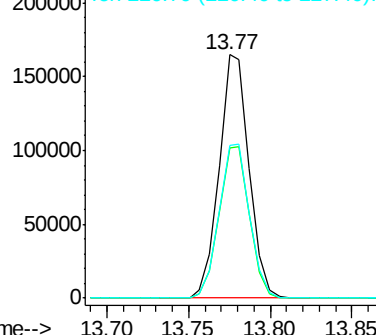


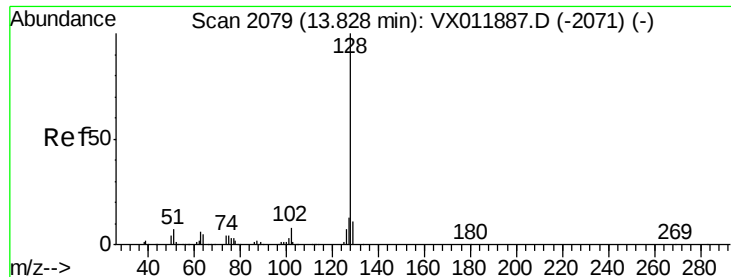
#94
 Hexachlorobutadiene
 Concen: 50.801 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX011964.D
 Acq: 31 Aug 2019 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	210302		
223	63.3	30.8	92.3	
227	64.5	31.9	95.7	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 53.360 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Instrument :

MSVOA_X

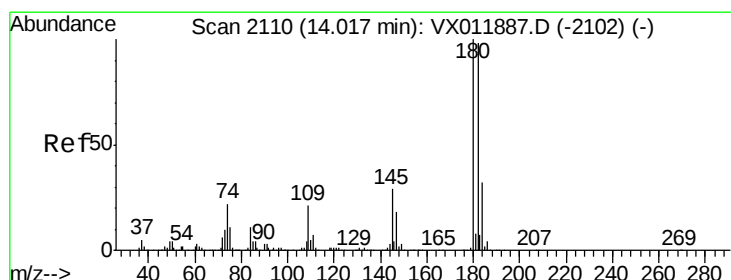
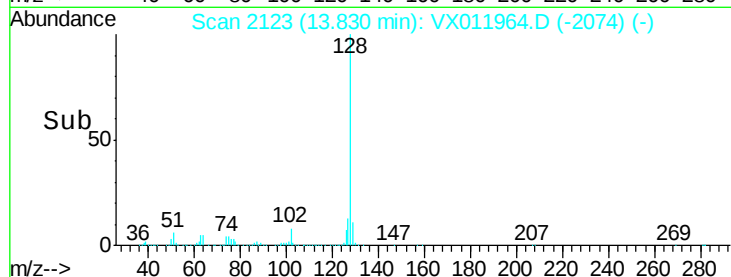
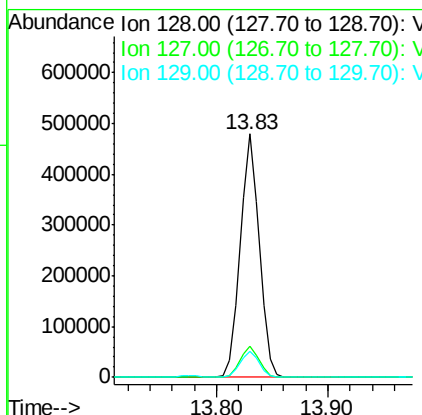
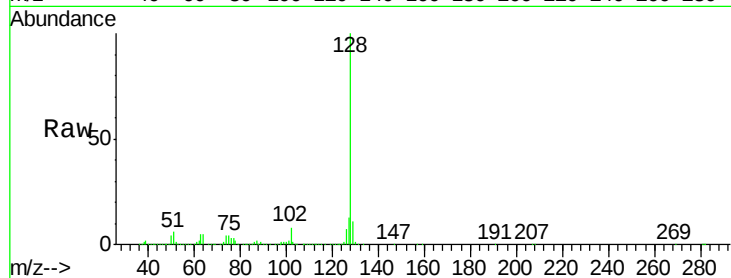
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	567663
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.9	8.8	13.2

Manual Integrations
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sam
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#96

1,2,3-Trichlorobenzene

Concen: 52.951 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX011964.D

Acq: 31 Aug 2019 22:07

Tgt Ion:	180	Resp:	296815
Ion Ratio	Lower	Upper	
180	100		
182	96.9	48.3	144.8
145	28.9	14.6	43.8

