

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083119\
 Data File : VX011962.D
 Acq On : 31 Aug 2019 20:31
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 9/3/2019 12:52:35 PM

Quant Time: Sep 01 03:45:04 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	5.65	168	313087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	446971	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	429053	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	256336	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	152166	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
35) Dibromofluoromethane	5.48	113	147627	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
50) Toluene-d8	8.71	98	509950	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	11.13	95	216196	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	81238	42.992	ug/l	100
3) Chloromethane	1.31	50	96880	44.226	ug/l	98
4) Vinyl Chloride	1.40	62	93619	44.756	ug/l	98
5) Bromomethane	1.62	94	74785	51.671	ug/l	99
6) Chloroethane	1.71	64	64689	49.691	ug/l	99
7) Trichlorofluoromethane	1.92	101	169472	46.651	ug/l	99
8) Diethyl Ether	2.17	74	62475	50.042	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	111540	47.110	ug/l	99
10) Methyl Iodide	2.50	142	98302	38.909	ug/l	100
11) Tert butyl alcohol	3.03	59	73769	255.619	ug/l	100
12) 1,1-Dichloroethene	2.36	96	105288	47.881	ug/l	100
13) Acrolein	2.28	56	32867	228.820	ug/l	97
14) Allyl chloride	2.72	41	200546	48.618	ug/l	98
15) Acrylonitrile	3.12	53	179130	261.214	ug/l	100
16) Acetone	2.43	43	158886	246.180	ug/l	99
17) Carbon Disulfide	2.56	76	278389	44.137	ug/l	100
18) Methyl Acetate	2.76	43	103061	57.686	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	374580	52.581	ug/l	100
20) Methylene Chloride	2.84	84	141827	51.664	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	130270	50.292	ug/l	100
22) Diisopropyl ether	3.84	45	430088	51.074	ug/l	95
23) Vinyl Acetate	3.80	43	1340460	247.590	ug/l	99
24) 1,1-Dichloroethane	3.69	63	239761	51.631	ug/l	99
25) 2-Butanone	4.65	43	242761	258.254	ug/l	98
26) 2,2-Dichloropropane	4.57	77	190251	48.847	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	161617	52.970	ug/l	98
28) Bromochloromethane	5.00	49	111354	53.440	ug/l	96
29) Tetrahydrofuran	5.11	42	152118	259.268	ug/l	99
30) Chloroform	5.20	83	262968	52.962	ug/l	95
31) Cyclohexane	5.57	56	160418	42.829	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	226142	51.273	ug/l	100
36) 1,1-Dichloropropene	5.79	75	166451	47.006	ug/l	99
37) Ethyl Acetate	4.82	43	103388	49.324	ug/l	100
38) Carbon Tetrachloride	5.77	117	202203	49.235	ug/l	100

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	181520	43.036	ug/l	97
40) Benzene	6.13	78	528845	50.033	ug/l	99
41) Methacrylonitrile	5.02	41	63829	51.718	ug/l	99
42) 1,2-Dichloroethane	6.18	62	190661	53.042	ug/l	100
43) Isopropyl Acetate	6.43	43	213256	50.181	ug/l	99
44) Trichloroethene	7.20	130	164021	50.153	ug/l	97
45) 1,2-Dichloropropane	7.50	63	139874	50.590	ug/l	100
46) Dibromomethane	7.65	93	85658	52.203	ug/l	99
47) Bromodichloromethane	7.89	83	214601	52.742	ug/l	100
48) Methyl methacrylate	7.76	41	106316	51.416	ug/l	99
49) 1,4-Dioxane	7.73	88	30273	1064.657	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	550468	254.975	ug/l	99
52) Toluene	8.78	92	355836	50.886	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	213800	51.297	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	237117	50.680	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	125495	52.242	ug/l	99
56) Ethyl methacrylate	9.17	69	169139	50.732	ug/l	99
57) 1,3-Dichloropropane	9.37	76	205872	51.634	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	407893	256.869	ug/l	99
59) 2-Hexanone	9.48	43	388312	253.210	ug/l	99
60) Dibromochloromethane	9.57	129	173180	53.677	ug/l	100
61) 1,2-Dibromoethane	9.67	107	126274	53.019	ug/l	100
64) Tetrachloroethene	9.33	164	177061	51.303	ug/l	99
65) Chlorobenzene	10.14	112	423656	50.954	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	177766	52.871	ug/l	99
67) Ethyl Benzene	10.25	91	709275	50.150	ug/l	99
68) m/p-Xylenes	10.35	106	555001	101.629	ug/l	98
69) o-Xylene	10.70	106	271785	51.072	ug/l	100
70) Styrene	10.71	104	485745	51.786	ug/l	100
71) Bromoform	10.85	173	125308	52.707	ug/l #	98
73) Isopropylbenzene	11.01	105	724322	49.178	ug/l	100
74) N-amyl acetate	10.89	43	204507	46.788	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.26	83	148735	49.343	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	111524m	44.228	ug/l	
77) Bromobenzene	11.25	156	219578	51.404	ug/l	97
78) n-propylbenzene	11.35	91	818141	48.986	ug/l	100
79) 2-Chlorotoluene	11.42	91	501608	49.896	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	636153	50.040	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	46274	46.101	ug/l	99
82) 4-Chlorotoluene	11.51	91	601280	49.578	ug/l	99
83) tert-Butylbenzene	11.76	119	650025	50.391	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	648786	49.797	ug/l	100
85) sec-Butylbenzene	11.94	105	735281	49.073	ug/l	99
86) p-Isopropyltoluene	12.06	119	720254	49.574	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	404295	50.926	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	404082	50.349	ug/l	100
89) n-Butylbenzene	12.39	91	619160	48.169	ug/l	99
90) Hexachloroethane	12.59	117	139268	49.548	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	379874	51.467	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	29927	49.842	ug/l	94

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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	312082	50.215	ug/l	100
94) Hexachlorobutadiene	13.78	225	206018	49.637	ug/l	100
95) Naphthalene	13.83	128	536137	50.265	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	284713	50.660	ug/l	99

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

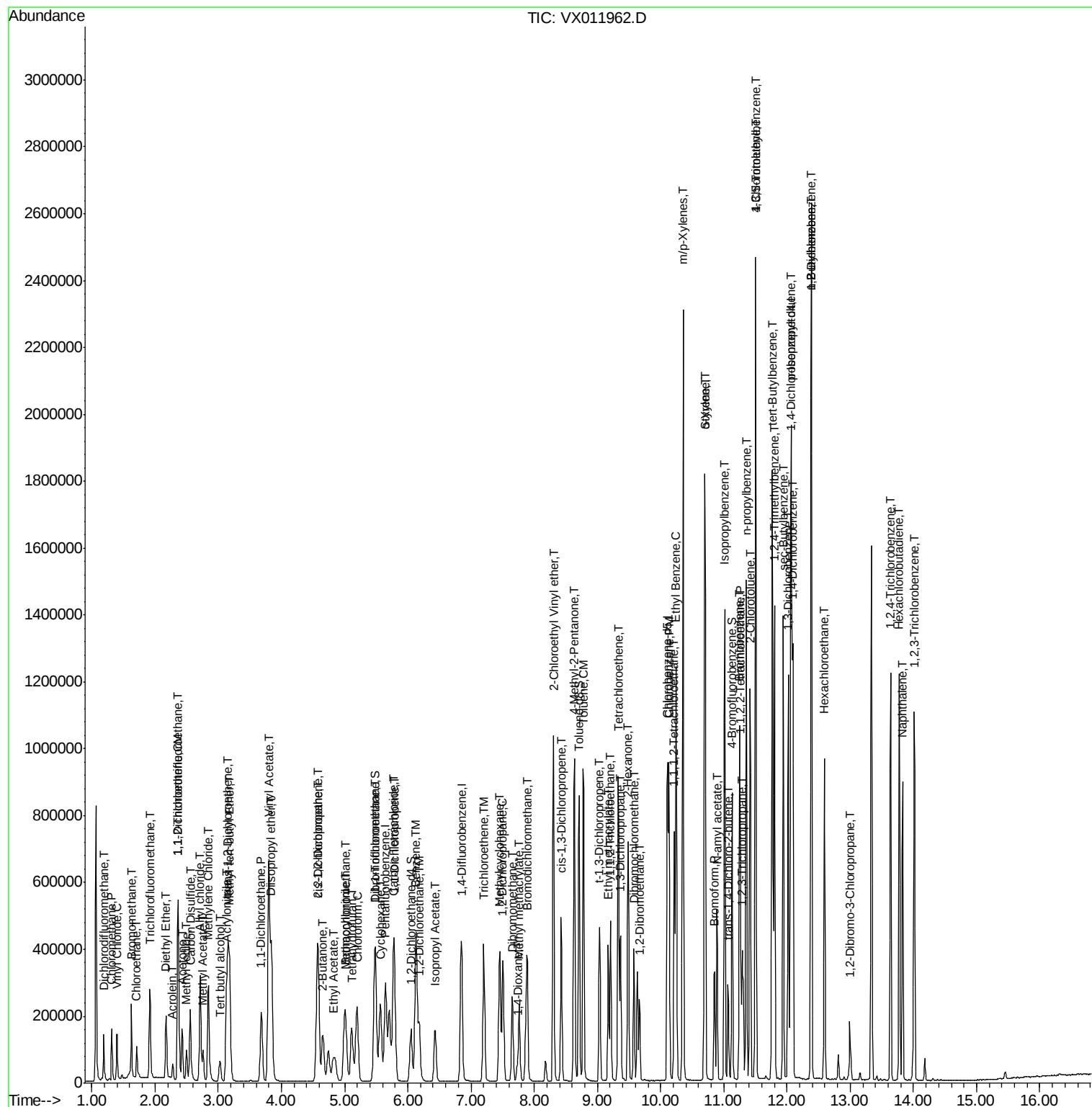
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 Data File : VX011962.D
 Acd On : 31 Aug 2019 20:31
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 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 313087

Ion Ratio Lower Upper

168 100

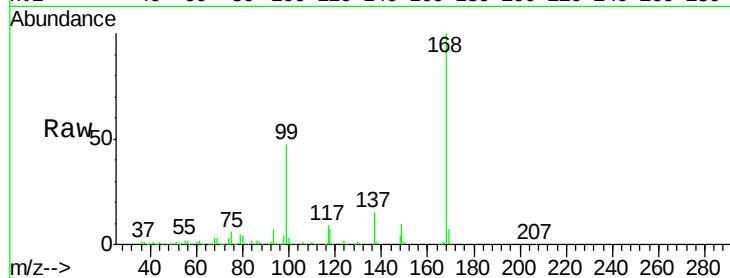
99 47.1 38.4 57.6

Manual Integrations

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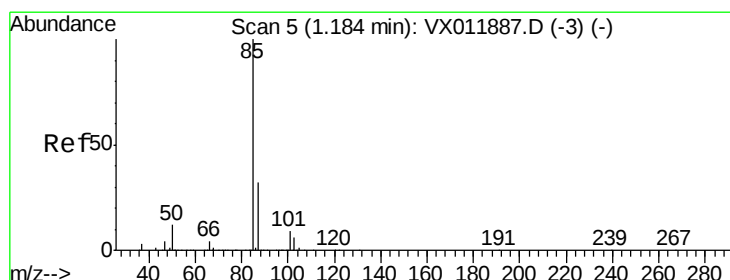
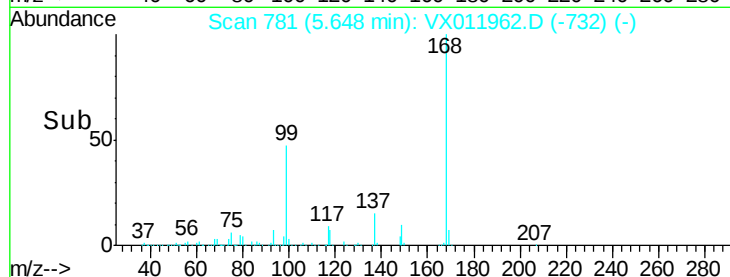
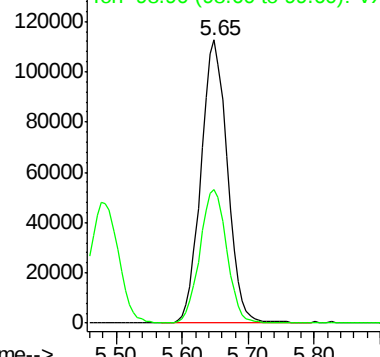
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 42.992 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX011962.D

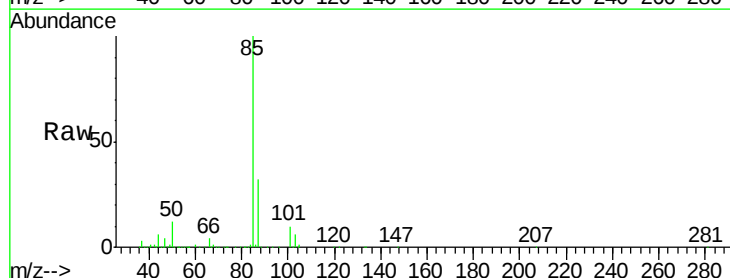
Acq: 31 Aug 2019 20:31

Tgt Ion: 85 Resp: 81238

Ion Ratio Lower Upper

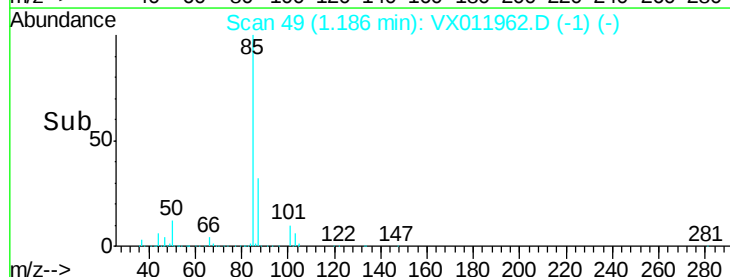
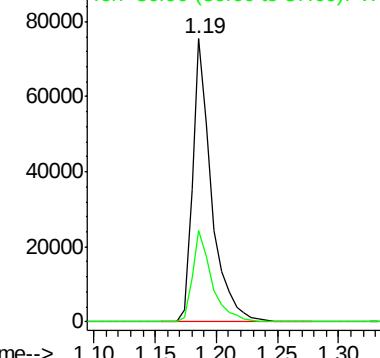
85 100

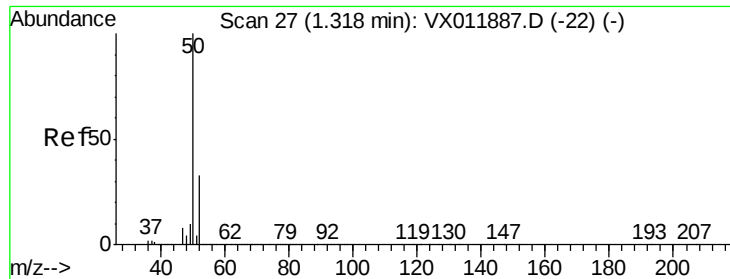
87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 44.226 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 96880

Ion Ratio Lower Upper

50 100

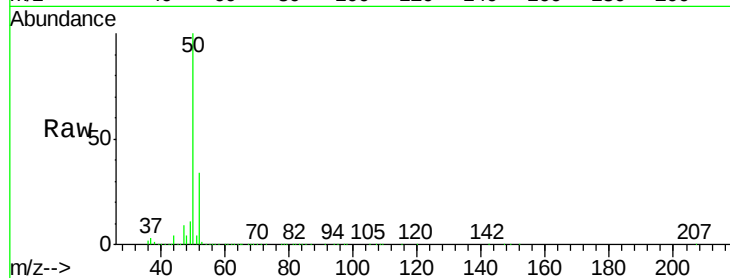
52 33.9 26.0 39.0

Manual Integrations

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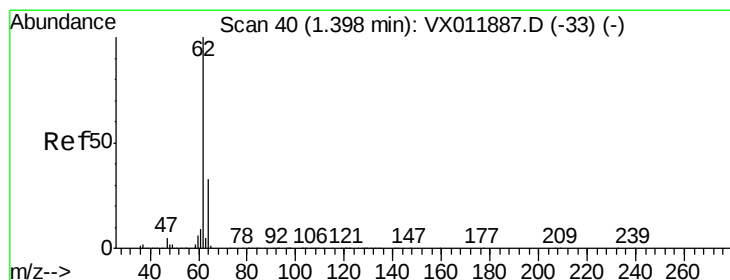
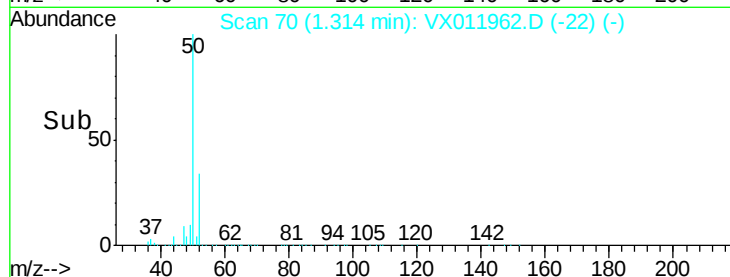
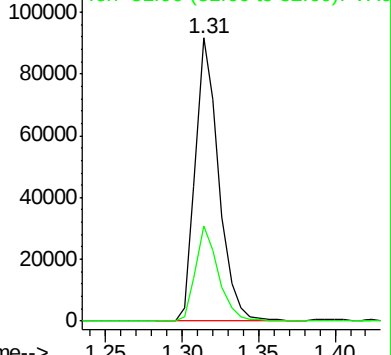
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 44.756 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX011962.D

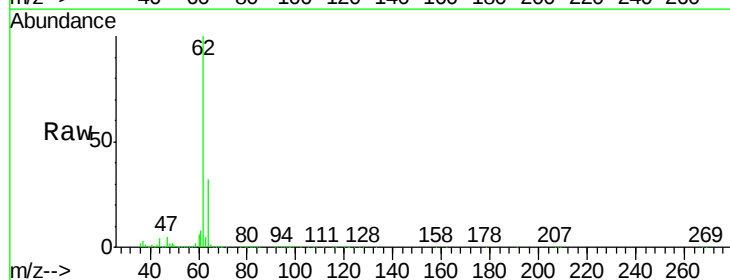
Acq: 31 Aug 2019 20:31

Tgt Ion: 62 Resp: 93619

Ion Ratio Lower Upper

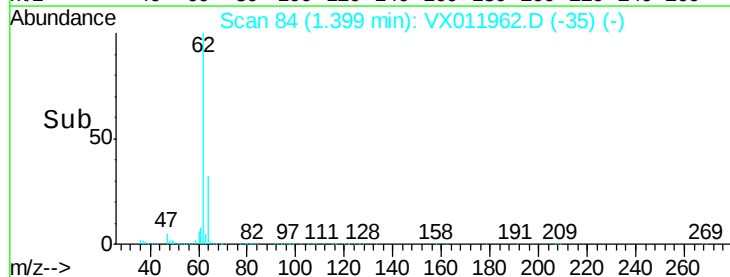
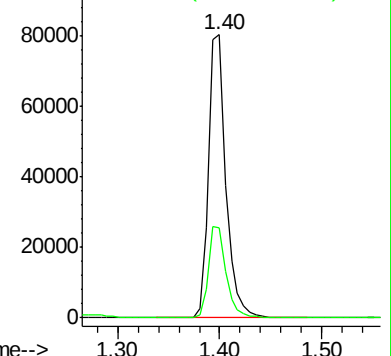
62 100

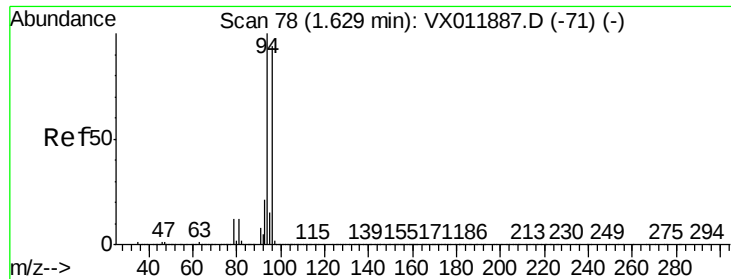
64 31.5 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 51.671 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 74785

Ion Ratio Lower Upper

94 100

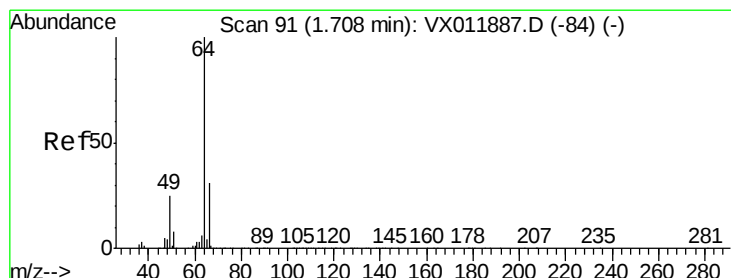
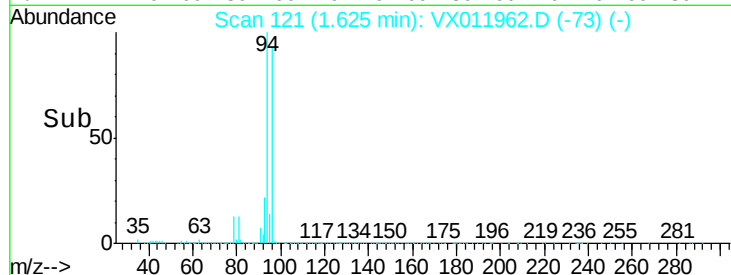
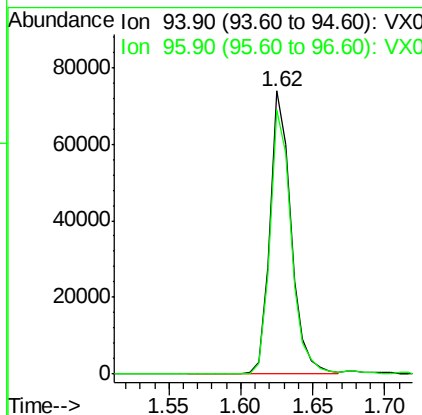
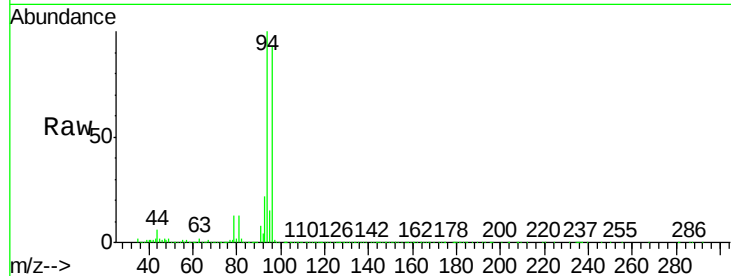
96 93.0 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 49.691 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX011962.D

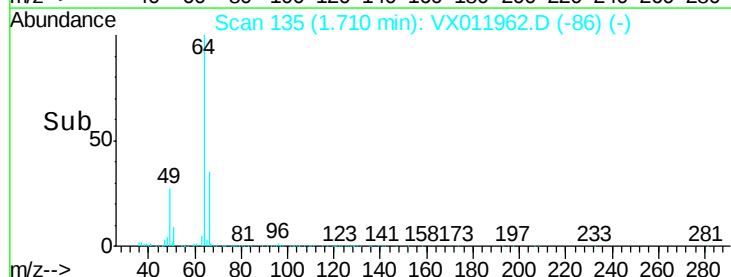
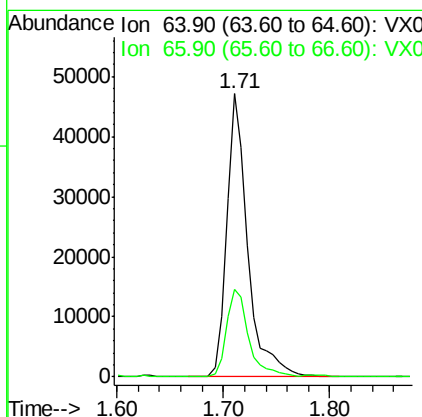
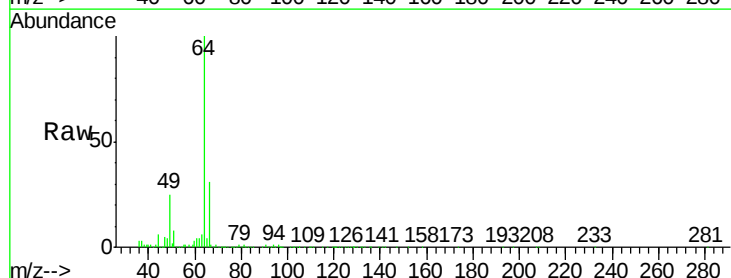
Acq: 31 Aug 2019 20:31

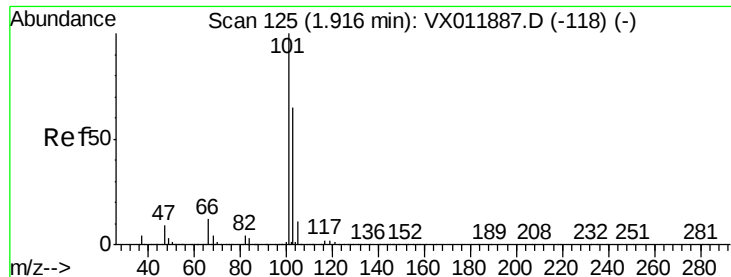
Tgt Ion: 64 Resp: 64689

Ion Ratio Lower Upper

64 100

66 30.9 25.0 37.4





#7

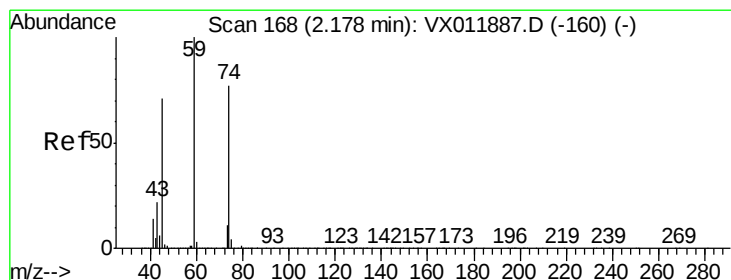
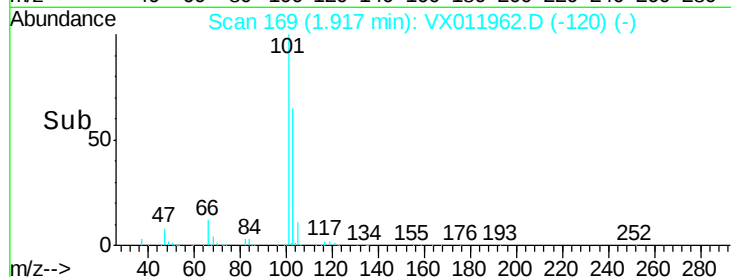
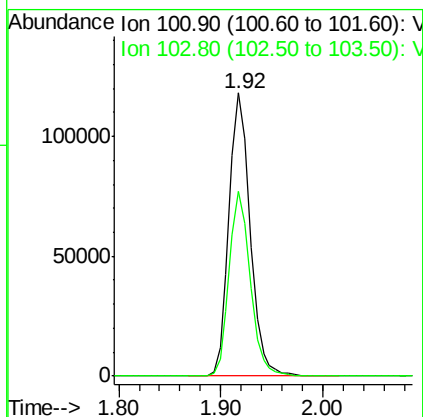
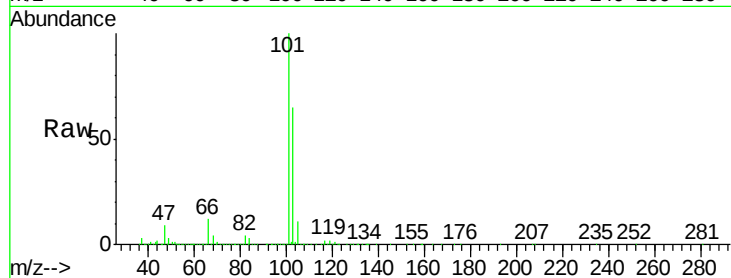
Trichlorofluoromethane
Concen: 46.651 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.6	77.4

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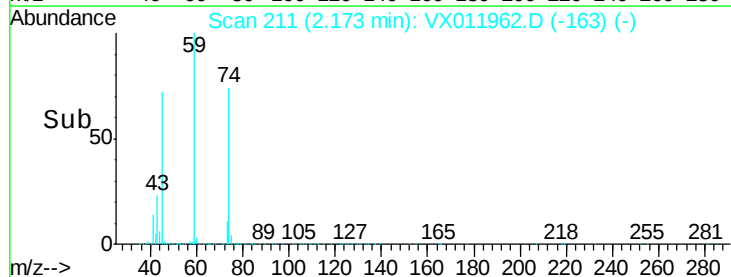
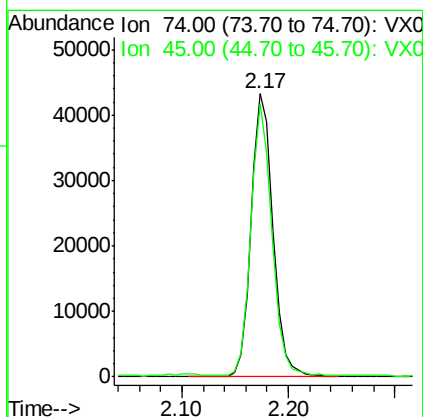
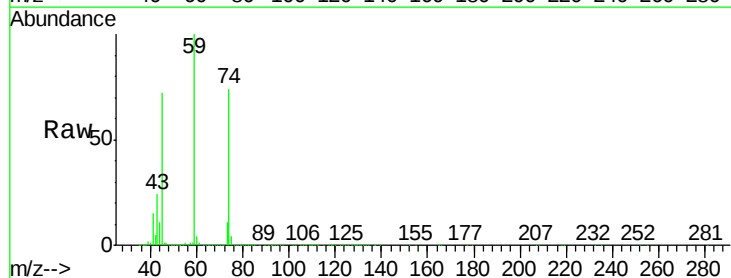
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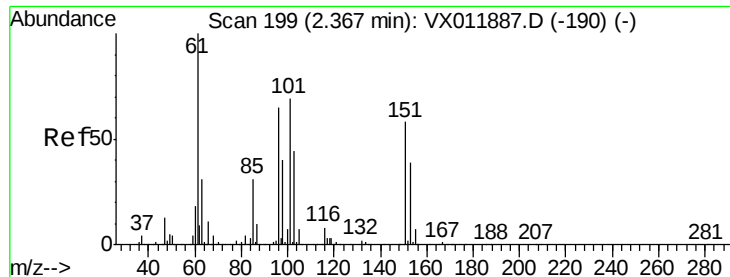


#8

Diethyl Ether
Concen: 50.042 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.8	46.7	140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.110 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

Instrument :

MSVOA_X

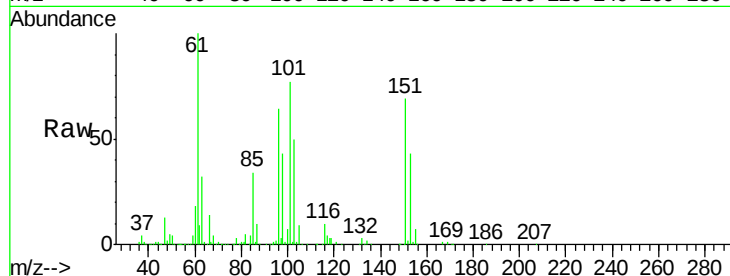
ClientSampleId :

VSTDCCC050EC

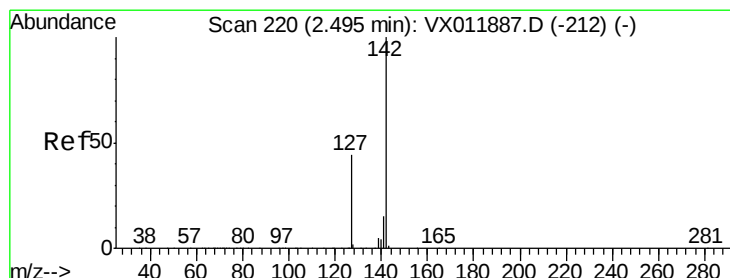
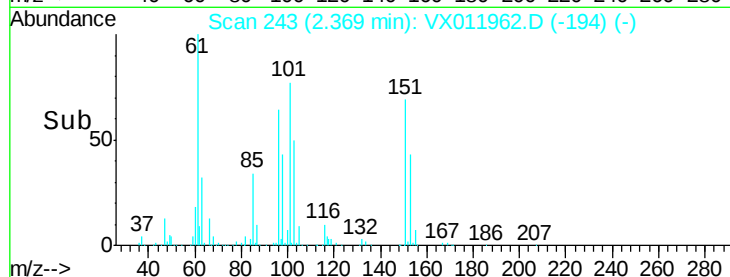
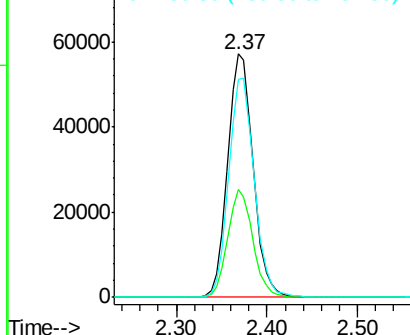
Tot Ion:	101	Resp:	111540
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.9	52.3
151	90.4	70.9	106.3

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 38.909 ug/l

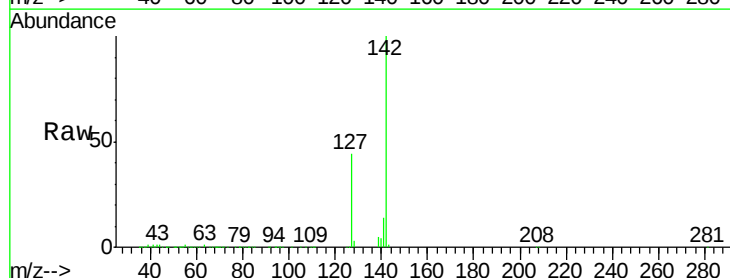
RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

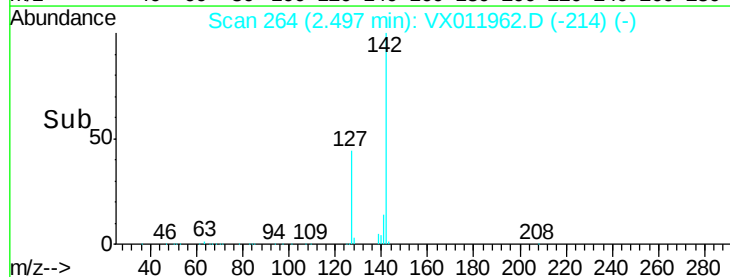
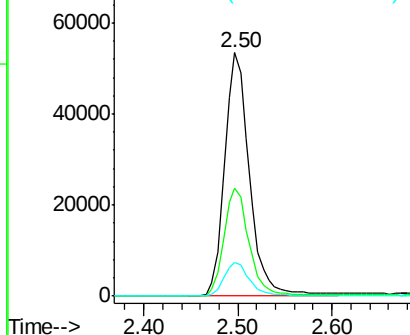
Lab File: VX011962.D

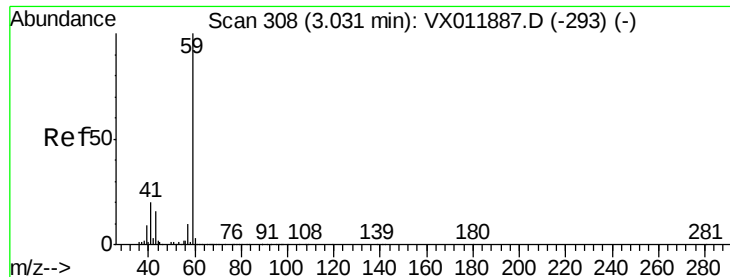
Acq: 31 Aug 2019 20:31

Tgt Ion:	142	Resp:	98302
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.7	53.5
141	14.4	11.8	17.6



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





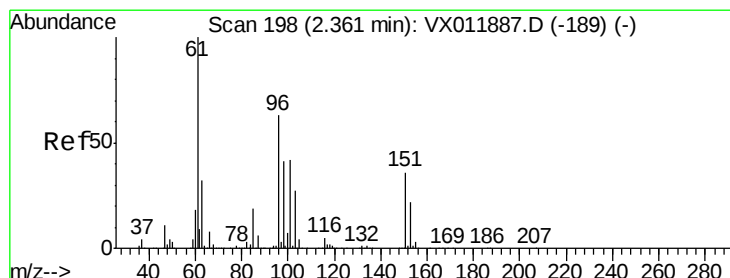
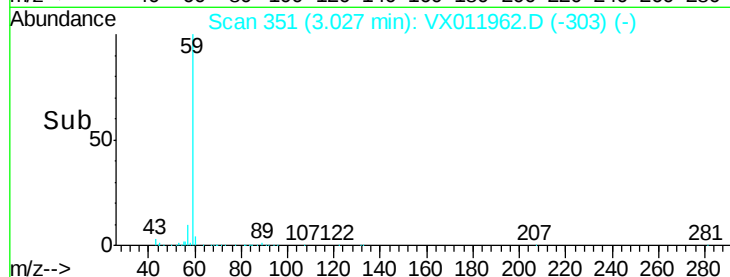
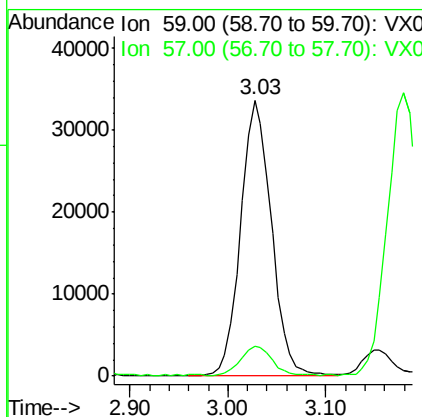
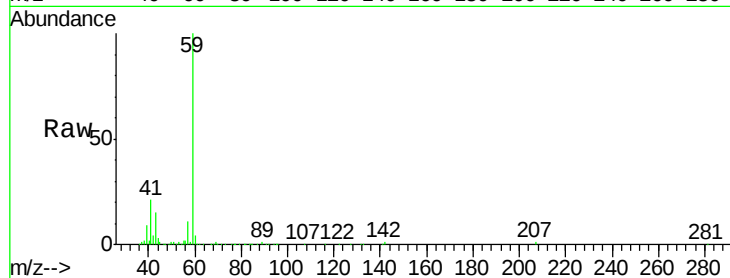
#11
Tert butyl alcohol
Concen: 255.619 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

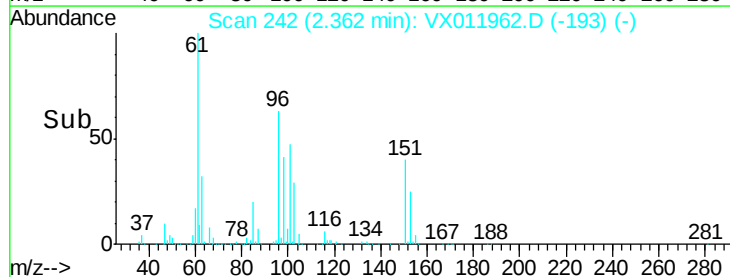
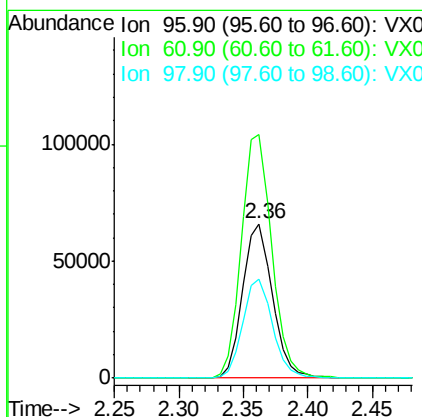
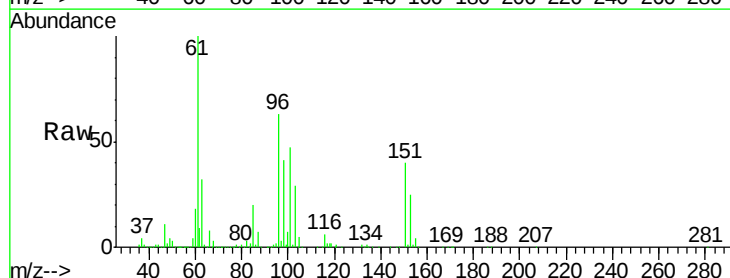
Manual Integrations
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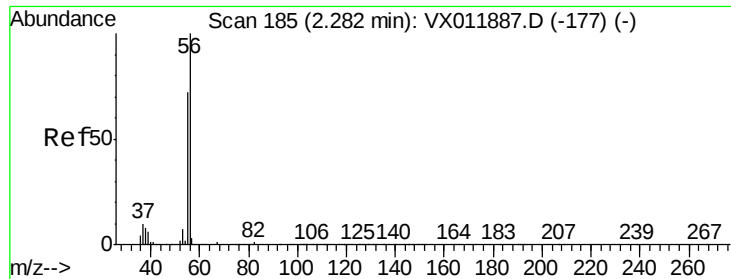
sam
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#12
1,1-Dichloroethene
Concen: 47.881 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.2	126.6	190.0
98	64.4	51.6	77.4





#13

Acrolein

Concen: 228.820 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 32867

Ion Ratio Lower Upper

56 100

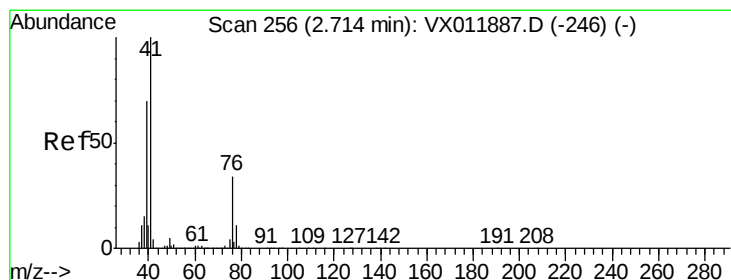
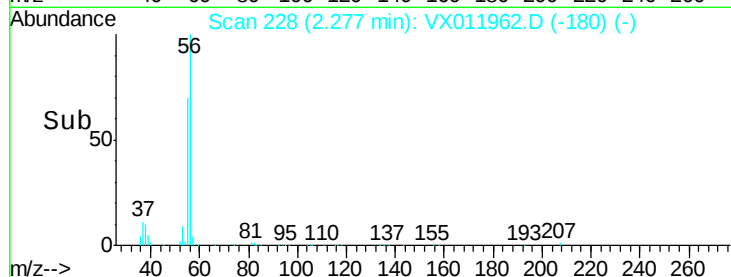
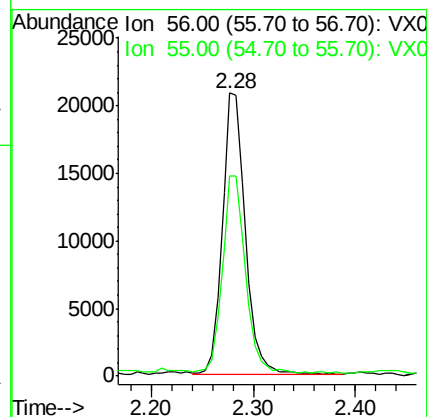
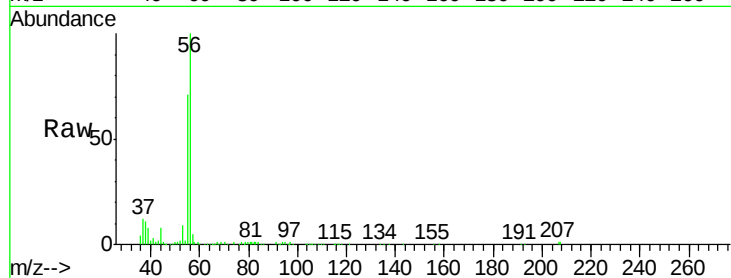
55 70.4 58.6 88.0

Manual Integrations

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#14

Allyl chloride

Concen: 48.618 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

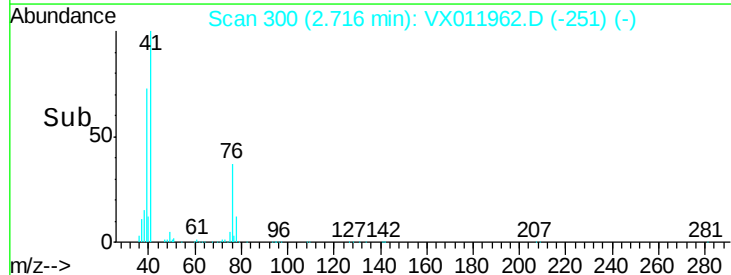
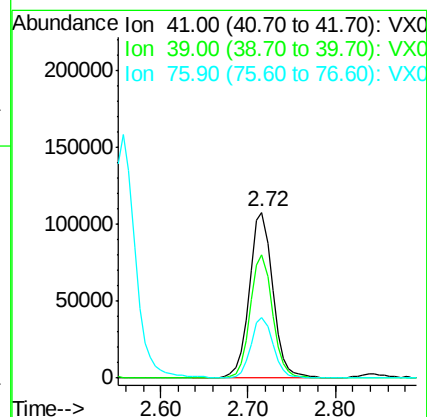
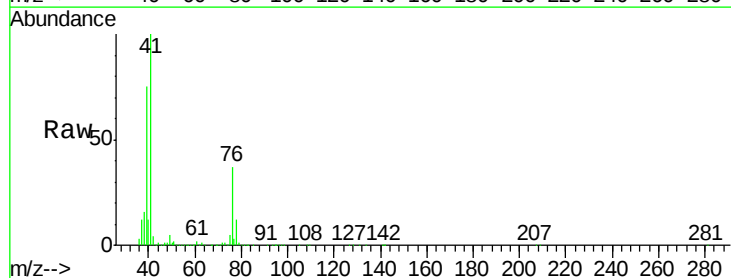
Tgt Ion: 41 Resp: 200546

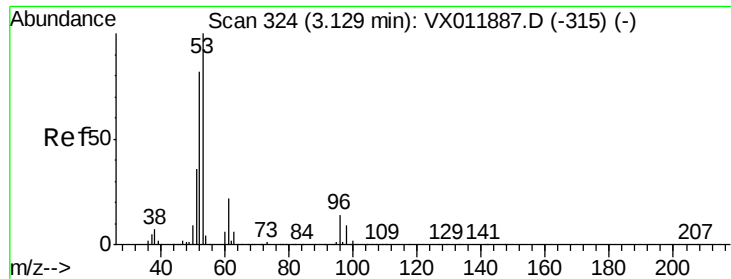
Ion Ratio Lower Upper

41 100

39 70.4 55.0 82.6

76 35.0 27.0 40.4





#15

Acrylonitrile

Concen: 261.214 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

Instrument :

MSVOA_X

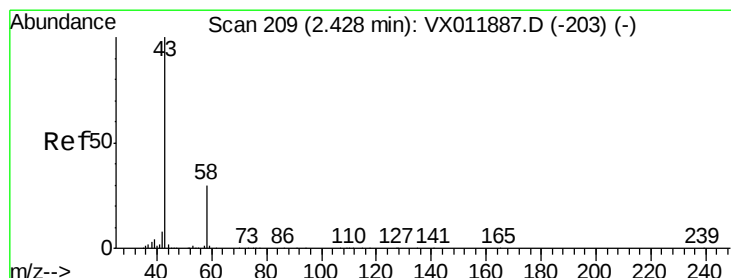
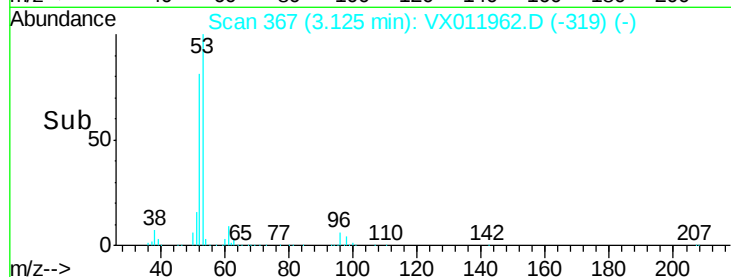
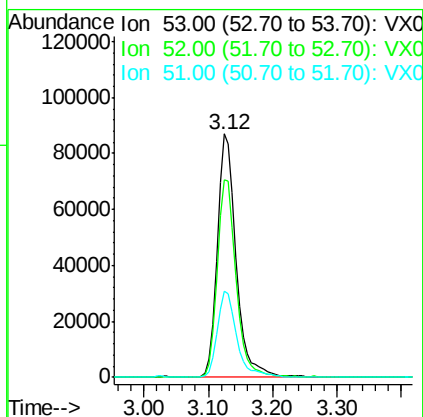
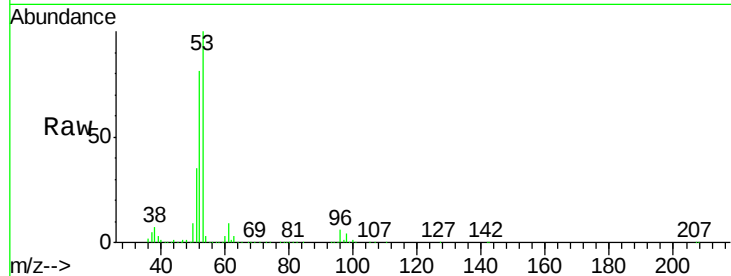
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
53	100		179130		
52	81.8	65.3	97.9		
51	36.6	29.4	44.2		

Manual Integrations
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#16

Acetone

Concen: 246.180 ug/l

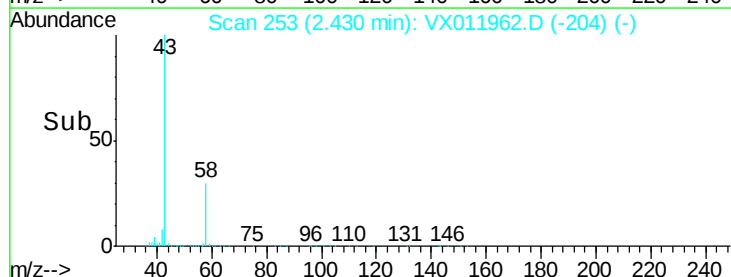
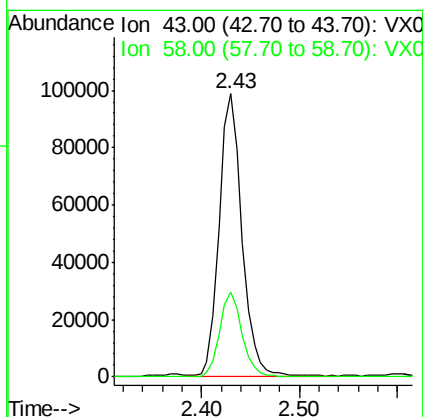
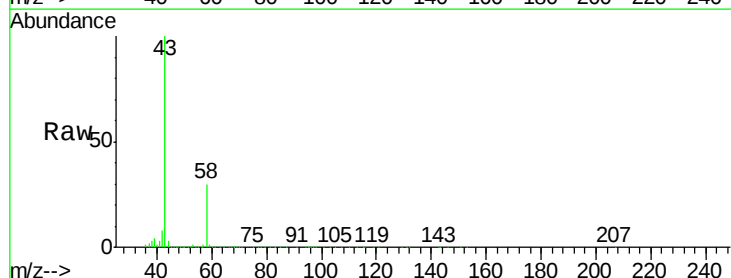
RT: 2.43 min Scan# 253

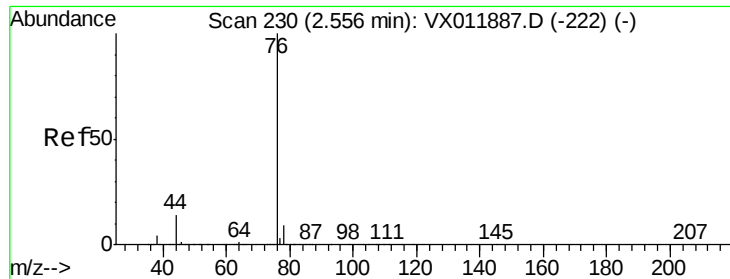
Delta R.T. 0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		158886		
58	30.1	23.8	35.8		





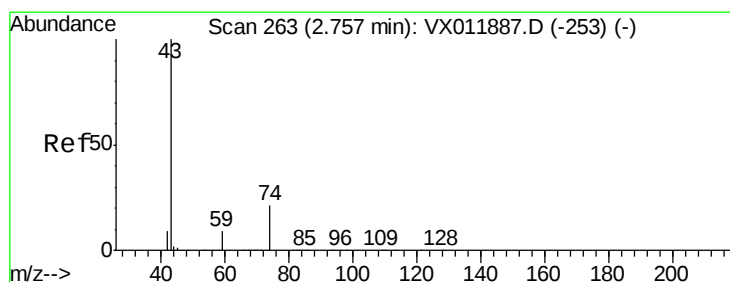
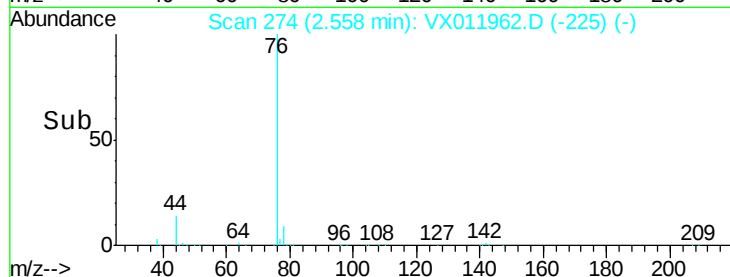
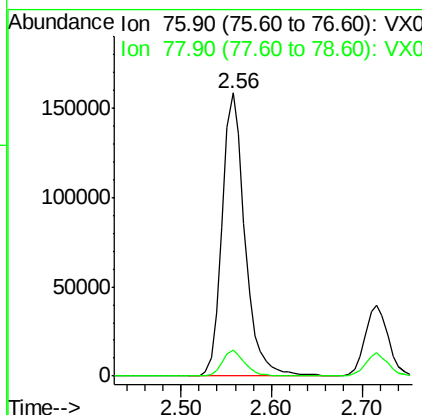
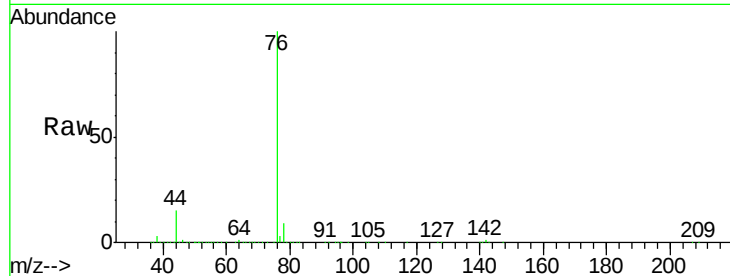
#17
Carbon Disulfide
Concen: 44.137 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

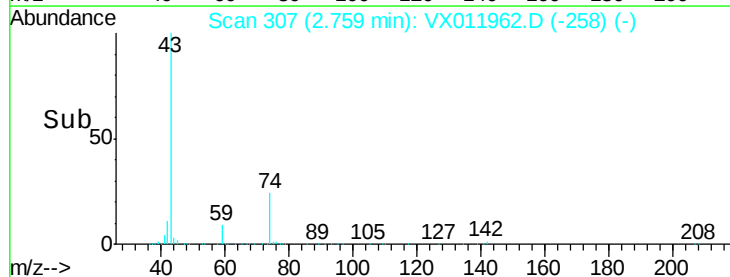
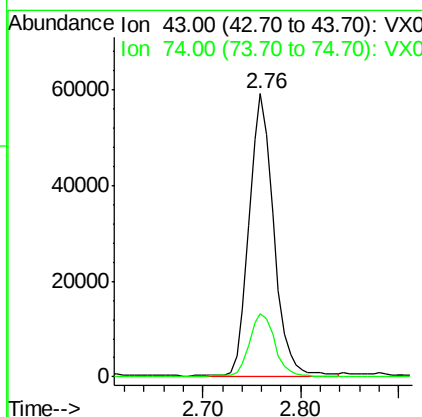
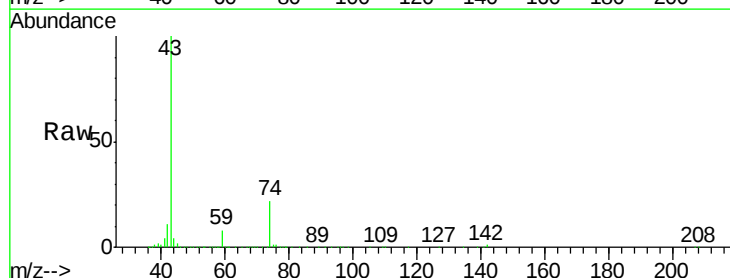
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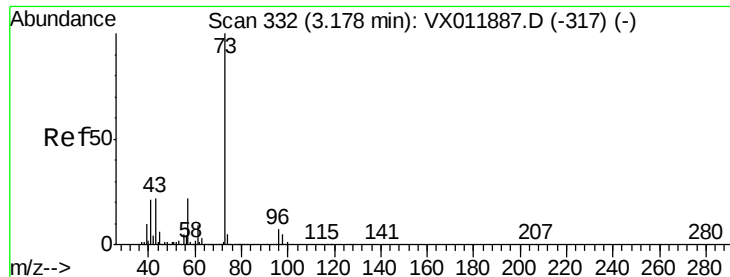
sam
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#18
Methyl Acetate
Concen: 57.686 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	18.4	27.6





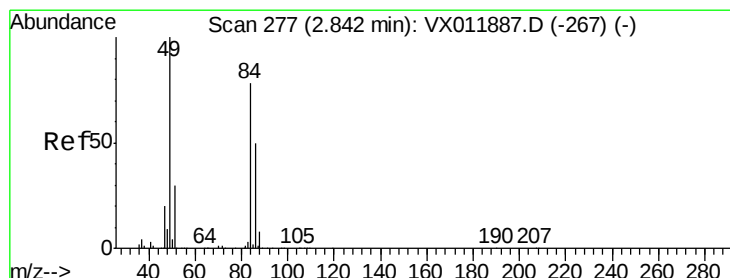
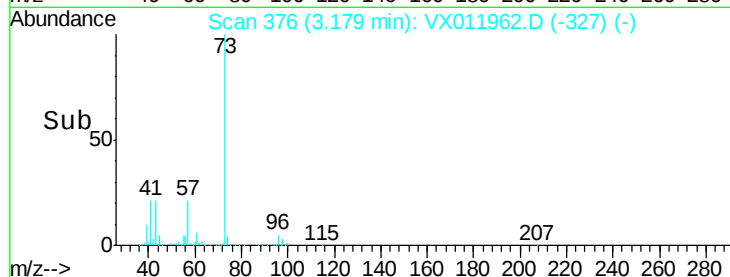
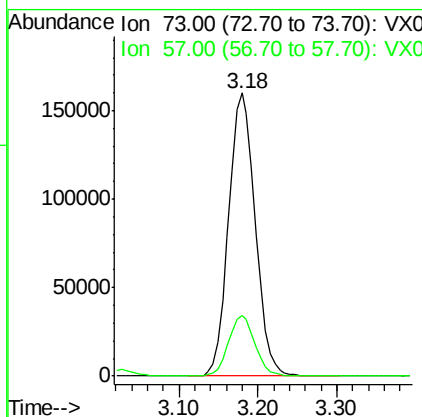
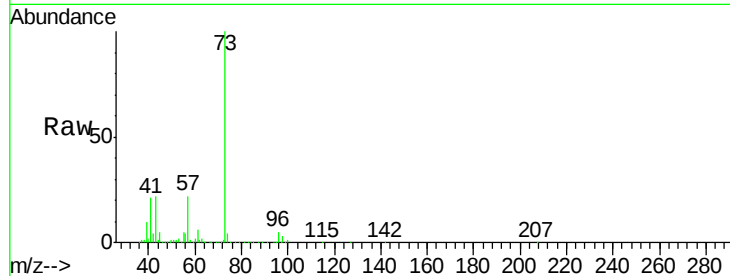
#19
Methvl tert-butvl Ether
Concen: 52.581 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 374580
Ion Ratio Lower Upper
73 100
57 21.5 17.4 26.0

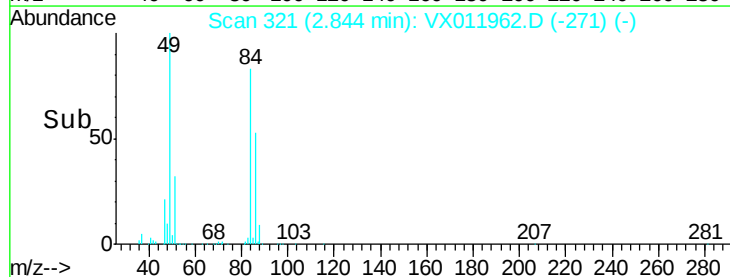
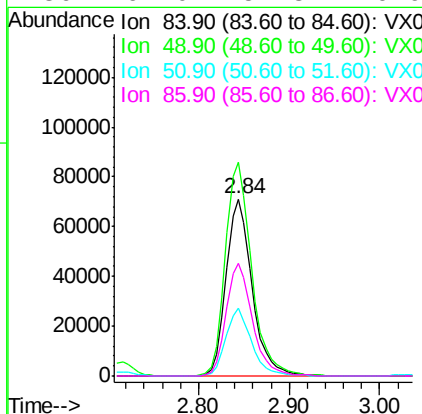
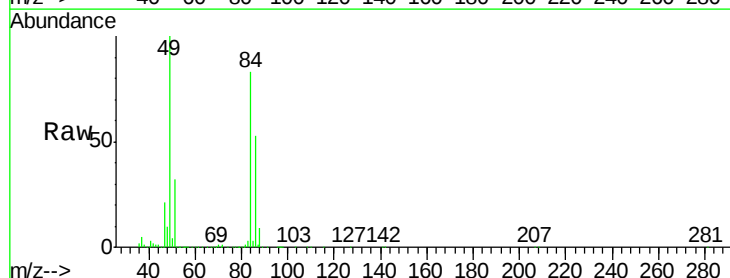
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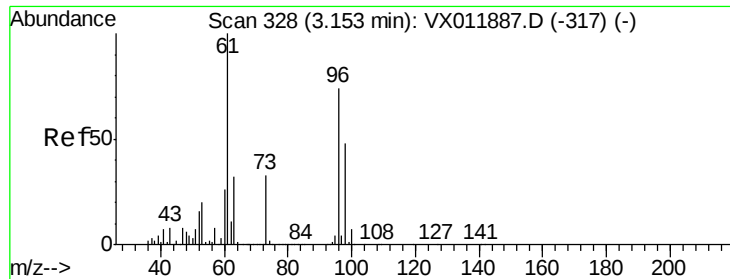
sam
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#20
Methylene Chloride
Concen: 51.664 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Tgt Ion: 84 Resp: 141827
Ion Ratio Lower Upper
84 100
49 120.7 103.0 154.4
51 38.4 30.8 46.2
86 64.0 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 50.292 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 130270

Ion Ratio Lower Upper

96 100

61 134.6 107.4 161.2

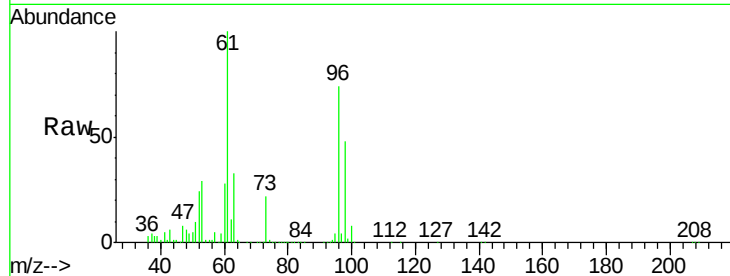
98 64.4 51.4 77.2

Manual Integrations

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sam

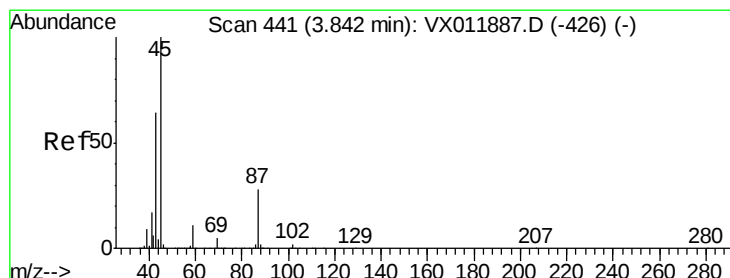
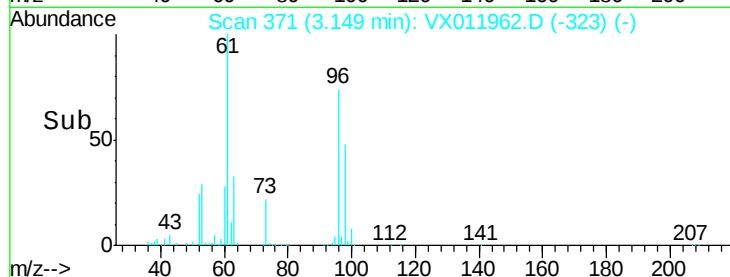
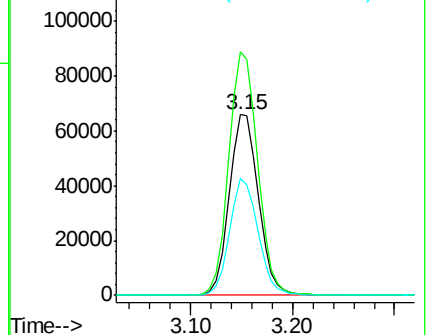
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 51.074 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

Tgt Ion: 45 Resp: 430088

Ion Ratio Lower Upper

45 100

43 69.6 51.0 76.6

87 28.7 22.0 33.0

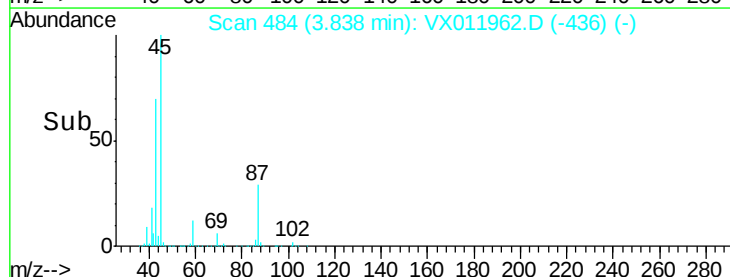
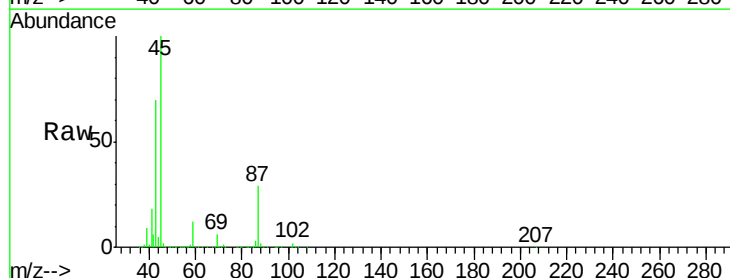
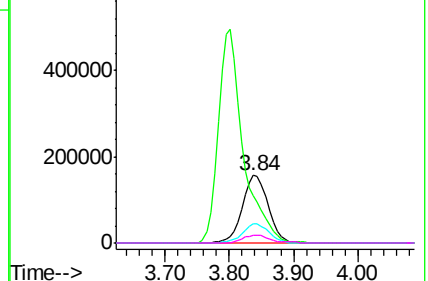
59 11.6 9.1 13.7

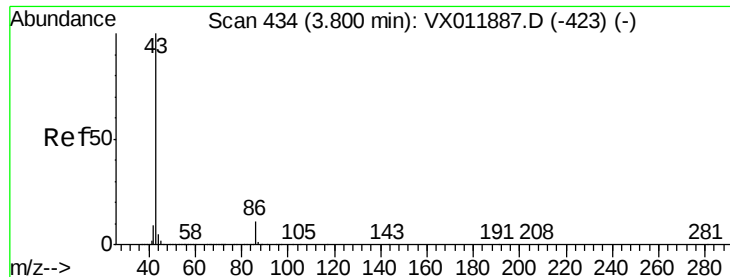
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 247.590 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1340460

Ion Ratio Lower Upper

43 100

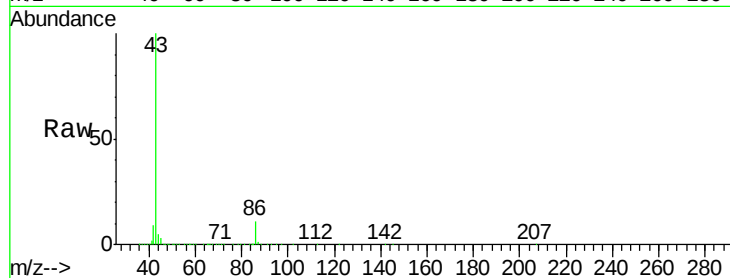
86 11.1 8.6 12.8

Manual Integrations

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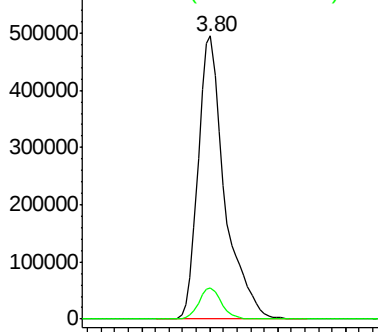
sam

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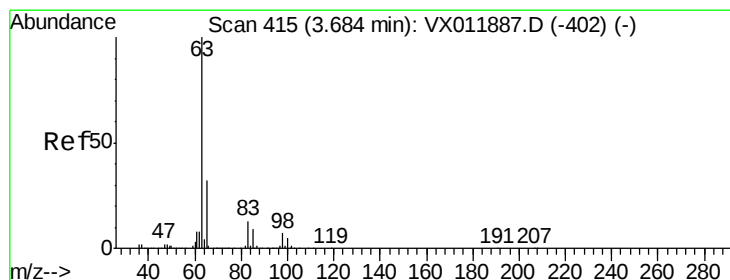
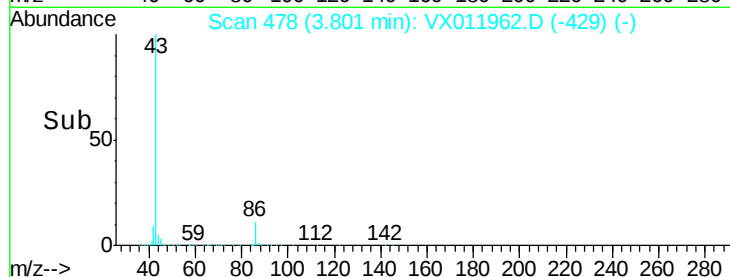


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 51.631 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

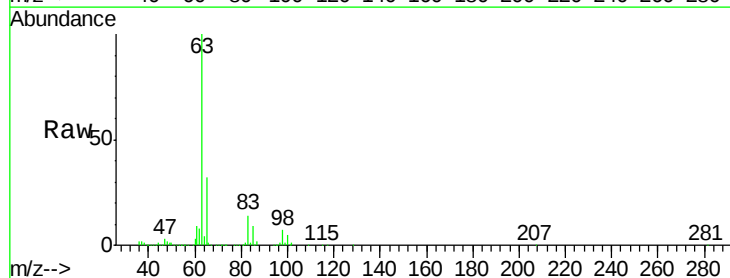
Tgt Ion: 63 Resp: 239761

Ion Ratio Lower Upper

63 100

98 7.3 3.8 11.2

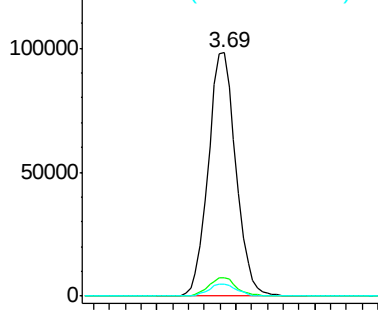
100 5.1 2.4 7.2



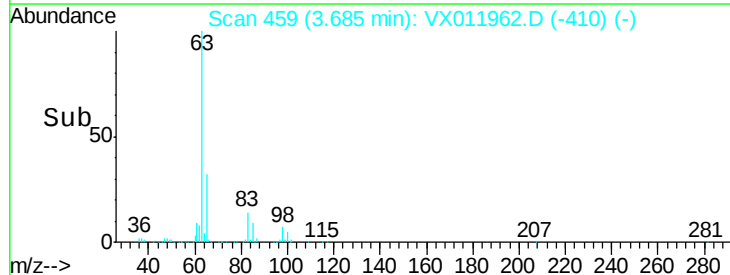
Abundance Ion 62.90 (62.60 to 63.60): VX0

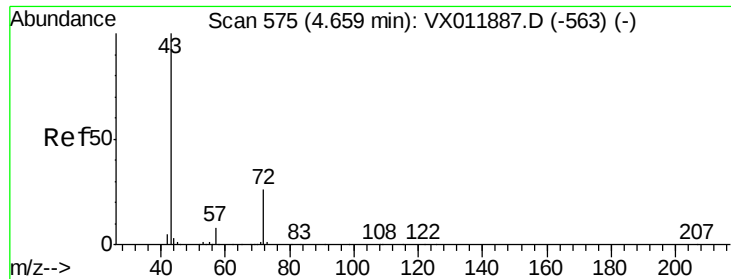
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 258.254 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 242761

Ion Ratio Lower Upper

43 100

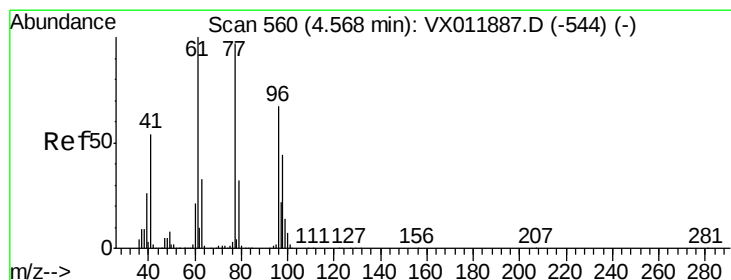
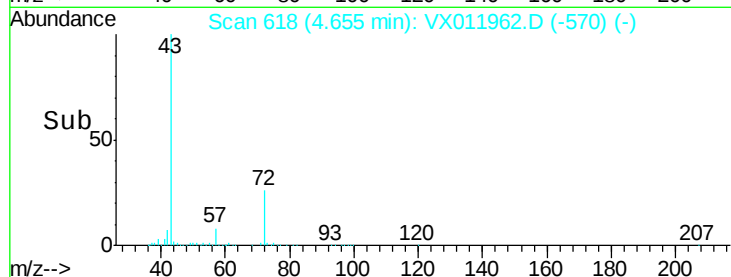
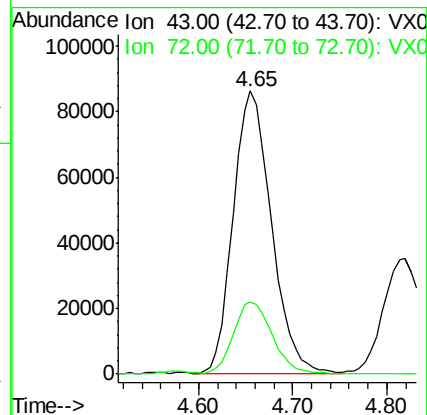
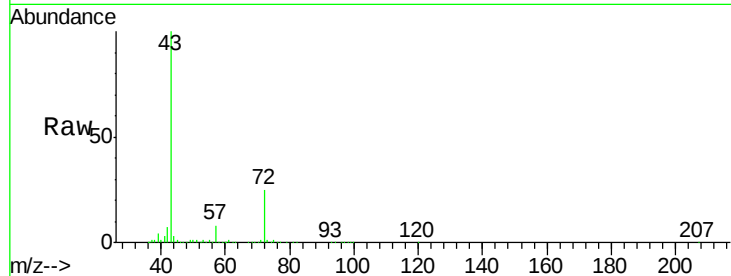
72 25.2 21.0 31.4

Manual Integrations

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sam

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#26

2,2-Dichloropropane

Concen: 48.847 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX011962.D

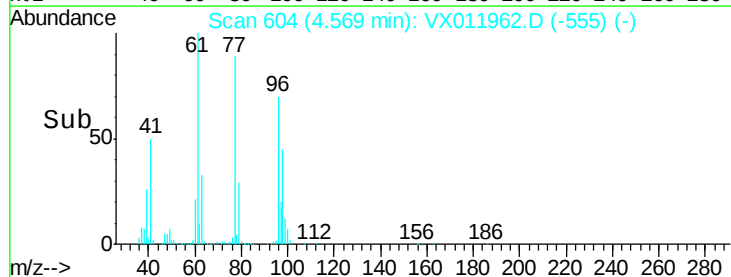
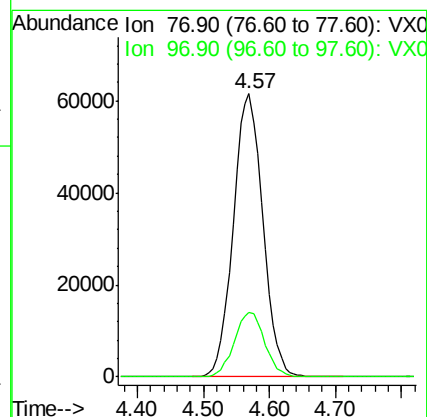
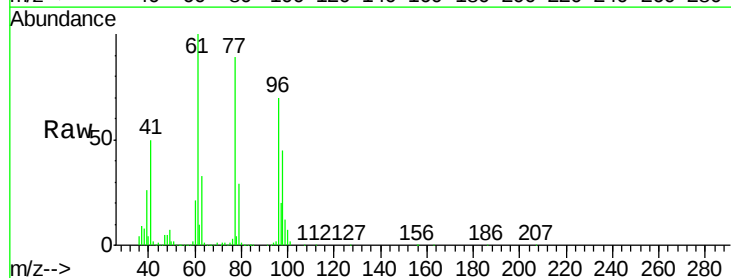
Acq: 31 Aug 2019 20:31

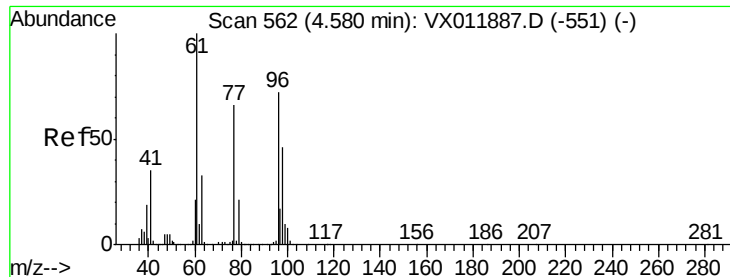
Tgt Ion: 77 Resp: 190251

Ion Ratio Lower Upper

77 100

97 23.7 11.7 35.1





#27

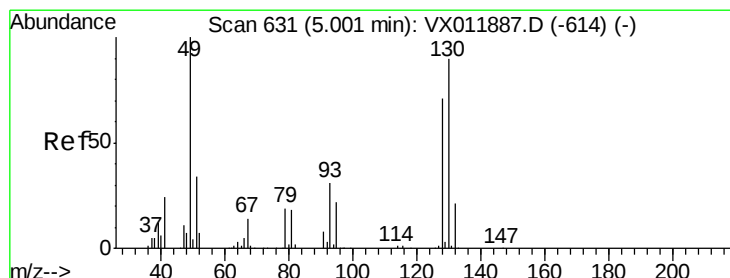
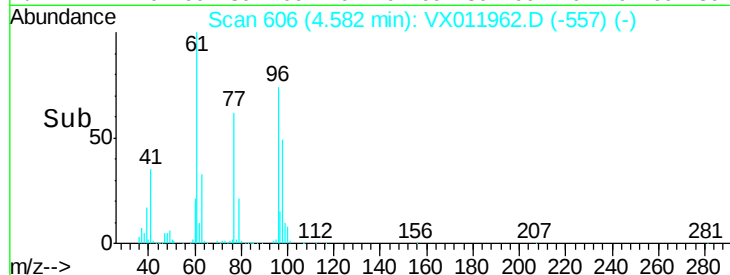
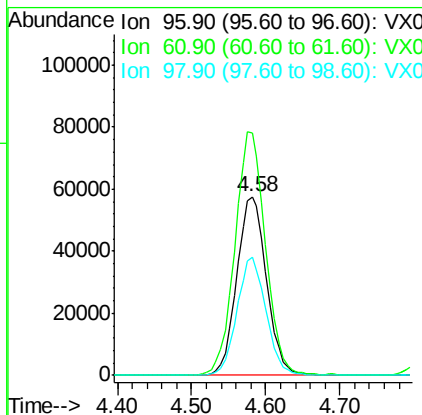
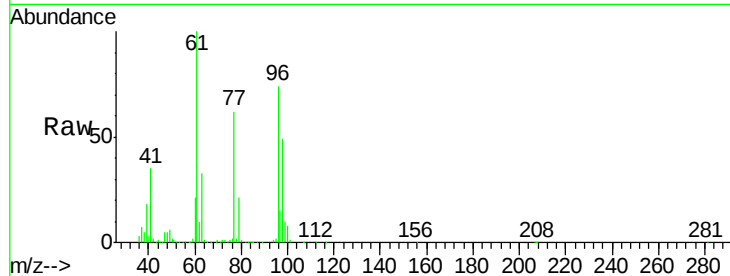
cis-1,2-Dichloroethene
 Concen: 52.970 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX011962.D
 Acq: 31 Aug 2019 20:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	161617		
61	139.5	0.0	283.8	
98	64.8	0.0	131.2	

Manual Integrations
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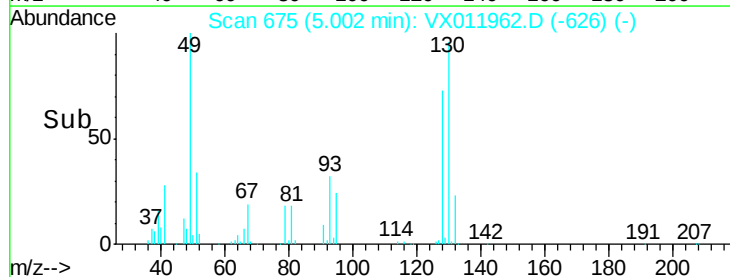
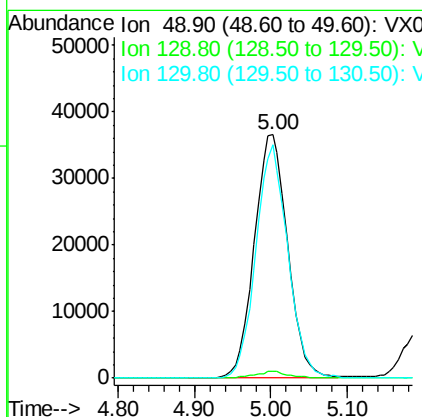
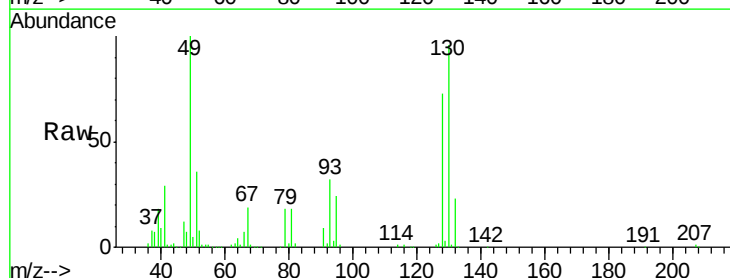
sam
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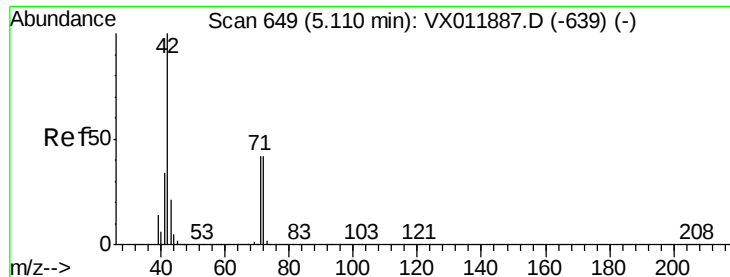


#28

Bromochloromethane
 Concen: 53.440 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VX011962.D
 Acq: 31 Aug 2019 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	111354		
129	2.6	0.0	4.8	
130	91.8	70.6	105.8	





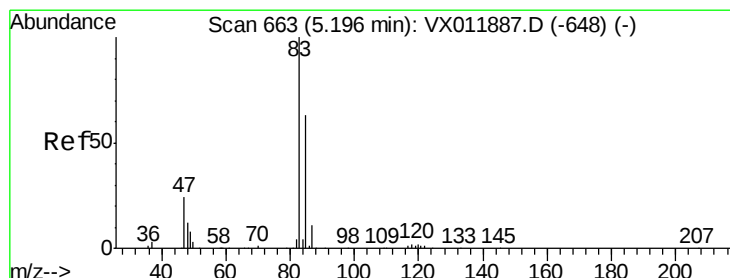
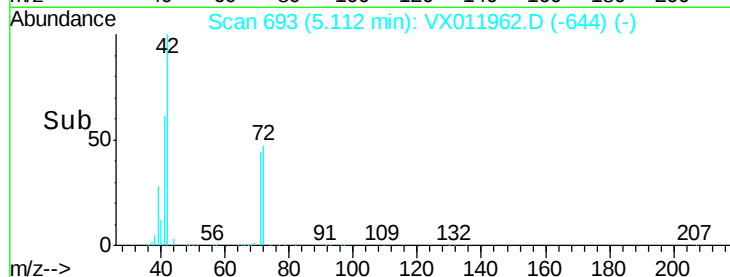
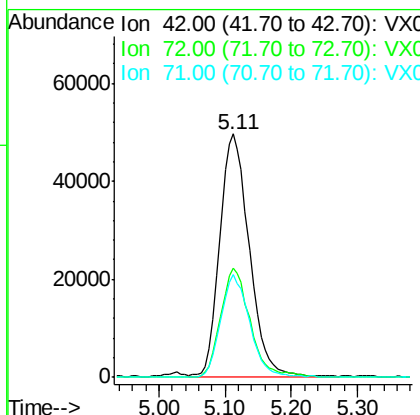
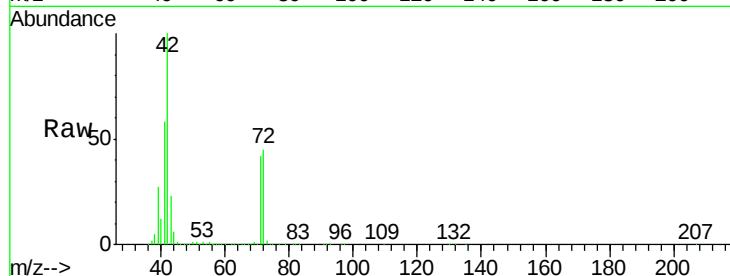
#29
Tetrahydrofuran
Concen: 259.268 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	36.2	54.4
71	42.0	33.1	49.7

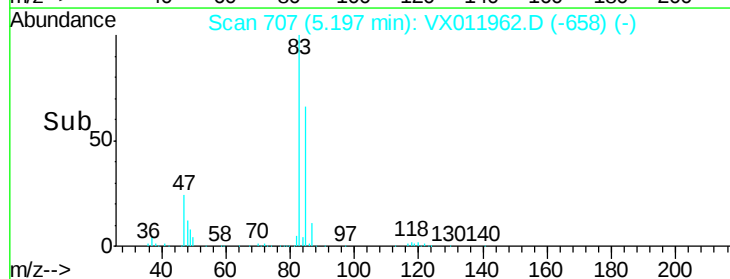
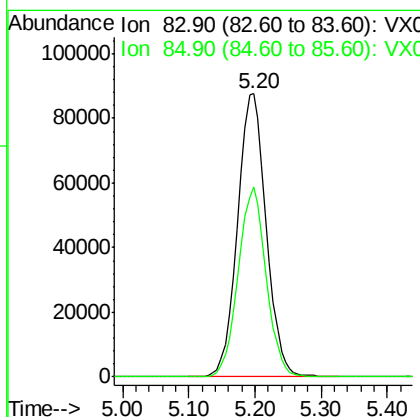
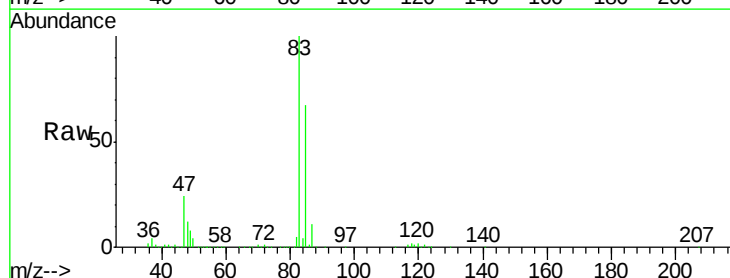
Manual Integrations
APPROVED

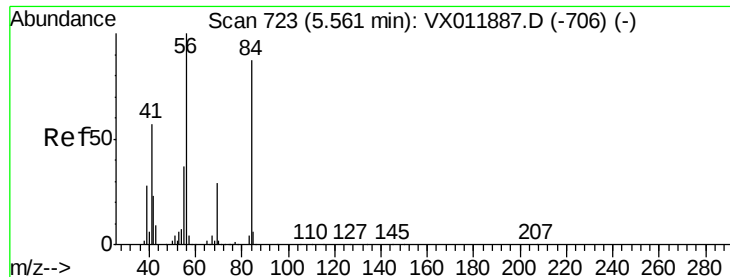
sam
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#30
Chloroform
Concen: 52.962 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.2	50.6	75.8





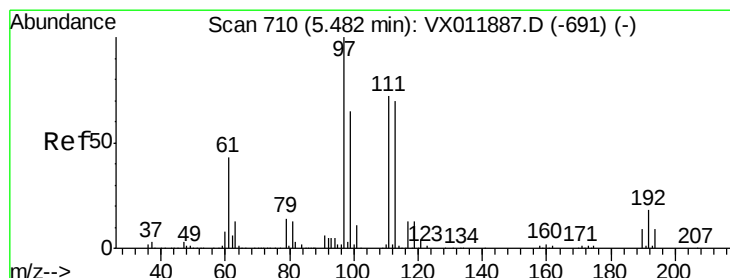
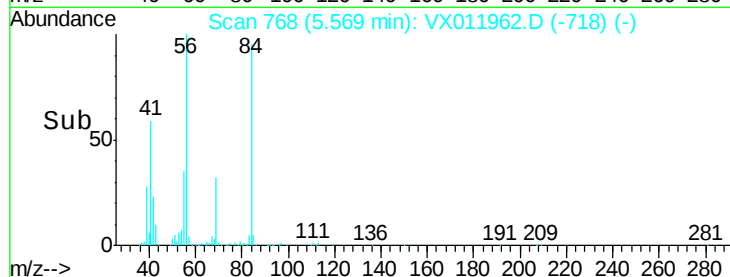
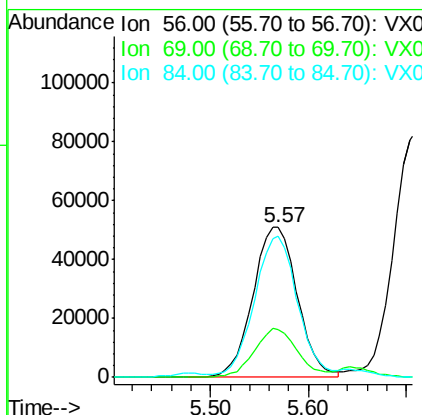
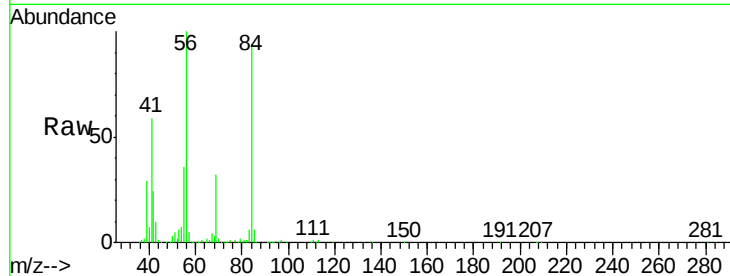
#31
Cvclohexane
Concen: 42.829 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.01 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	31.8	23.1	34.7	
84	92.0	69.6	104.4	

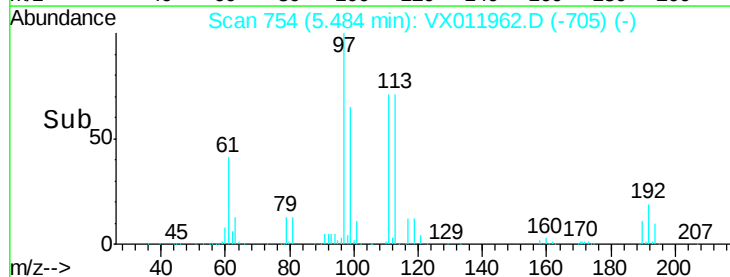
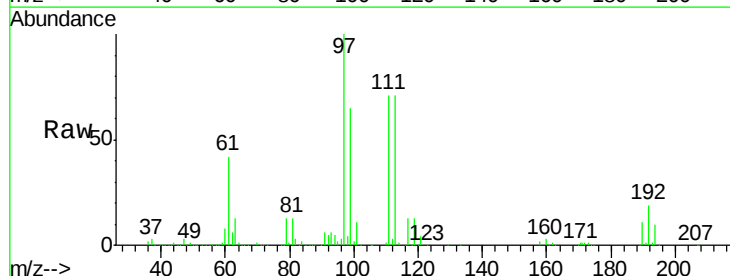
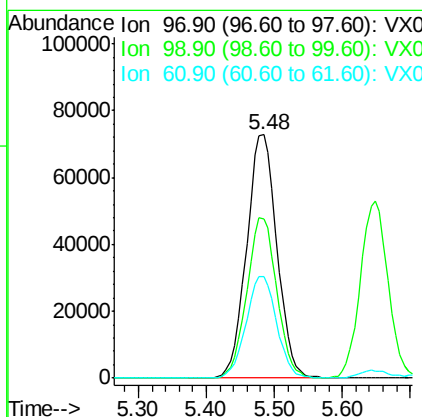
Manual Integrations
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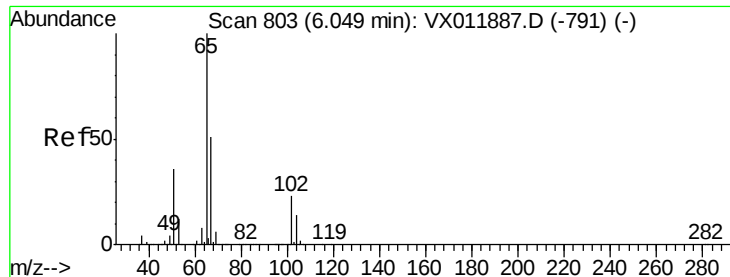
sam
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#32
1,1,1-Trichloroethane
Concen: 51.273 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	65.2	51.8	77.8	
61	42.0	33.8	50.6	





#33

1,2-Dichloroethane-d4

Concen: 50.727 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX011962.D

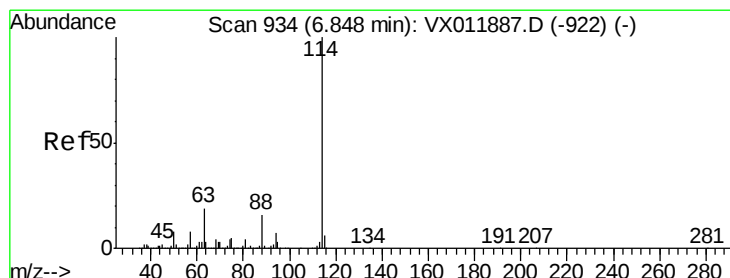
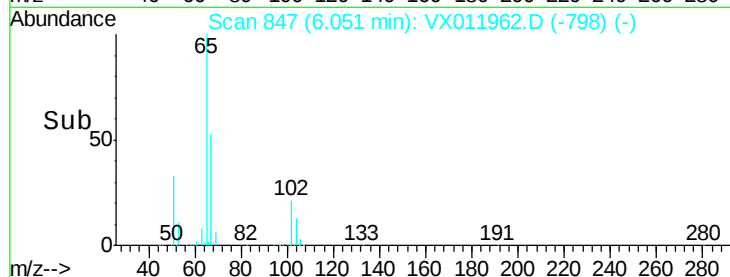
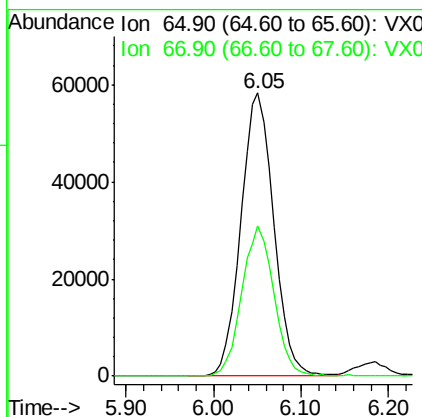
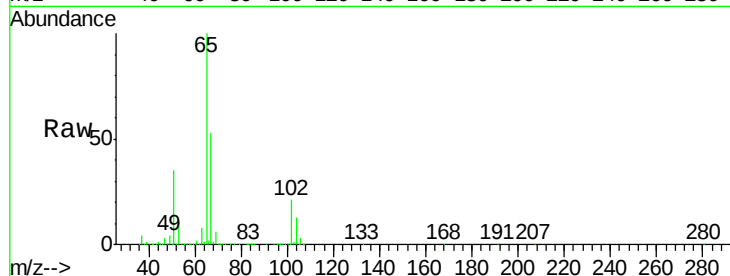
Acq: 31 Aug 2019 20:31

Tot Ion:	65	Resp:	152166
Ion Ratio		Lower	Upper
65	100		
67	51.7	0.0	102.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

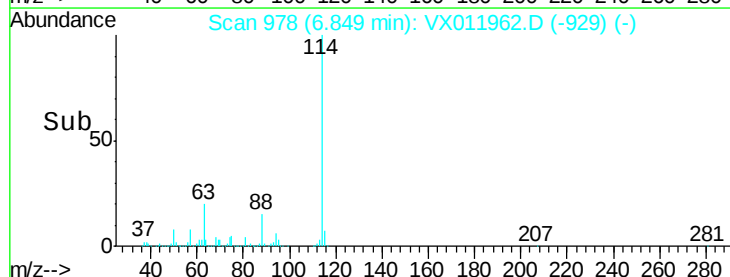
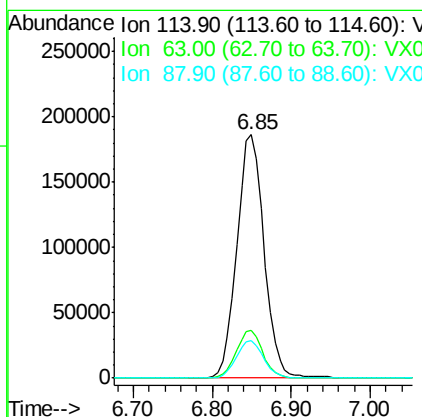
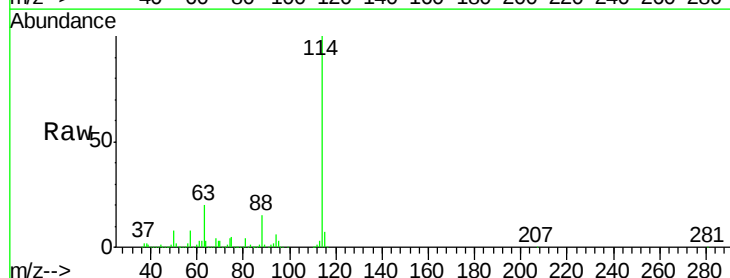
RT: 6.85 min Scan# 978

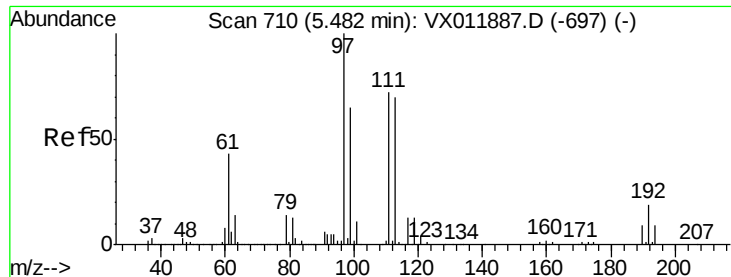
Delta R.T. 0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

Tgt Ion:	114	Resp:	446971
Ion Ratio		Lower	Upper
114	100		
63	19.7	0.0	38.8
88	15.2	0.0	31.2





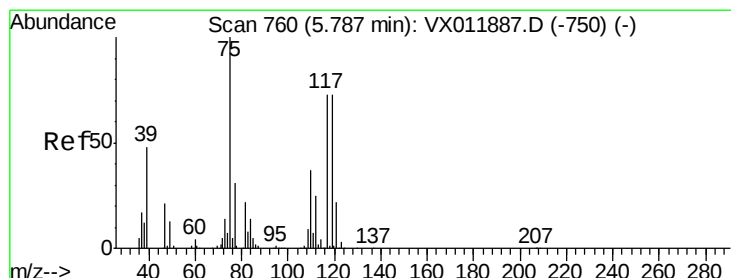
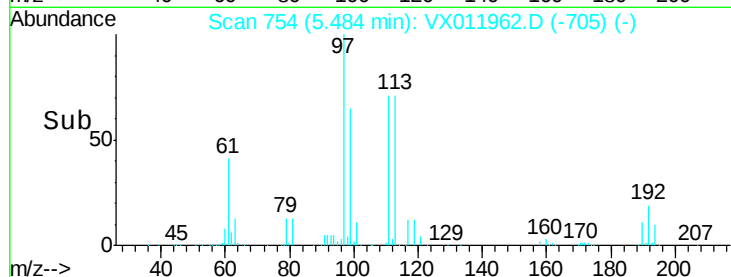
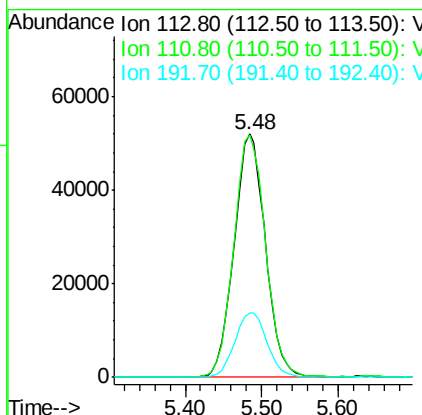
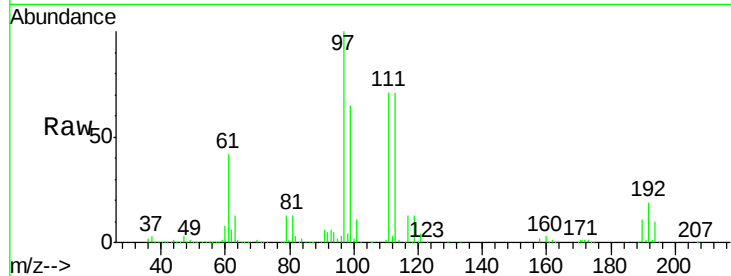
#35
 Dibromofluoromethane
 Concen: 51.507 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX011962.D
 Acq: 31 Aug 2019 20:31

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	147627		
111	101.2	82.1	123.1	
192	27.3	21.5	32.3	

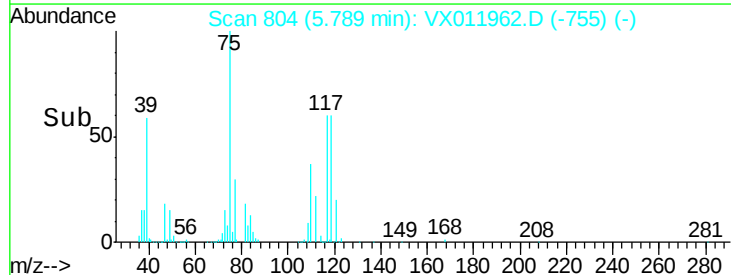
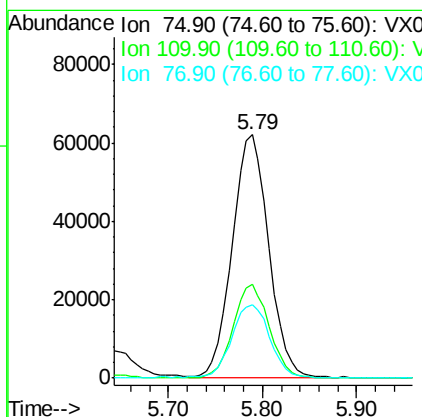
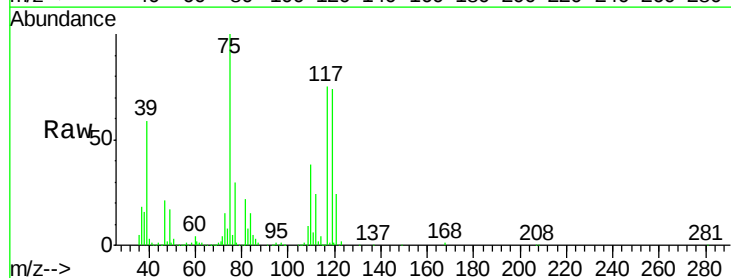
Manual Integrations
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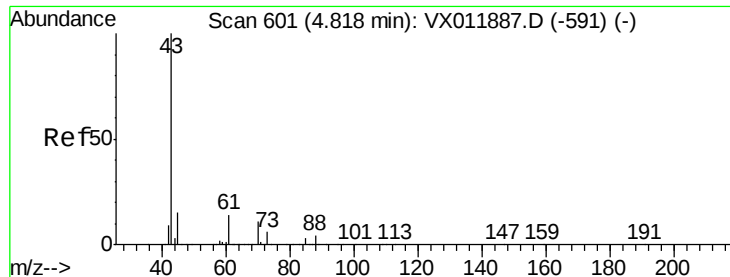
sam
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#36
 1,1-Dichloropropene
 Concen: 47.006 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011962.D
 Acq: 31 Aug 2019 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	166451		
110	38.7	19.1	57.3	
77	31.4	24.4	36.6	





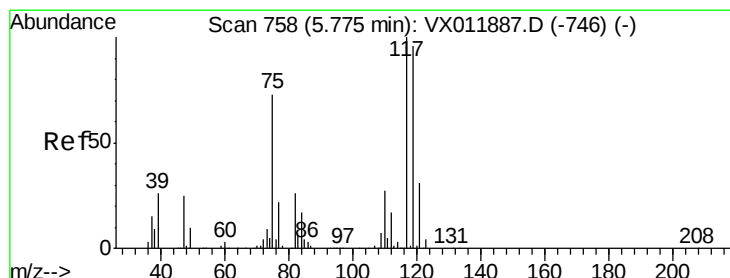
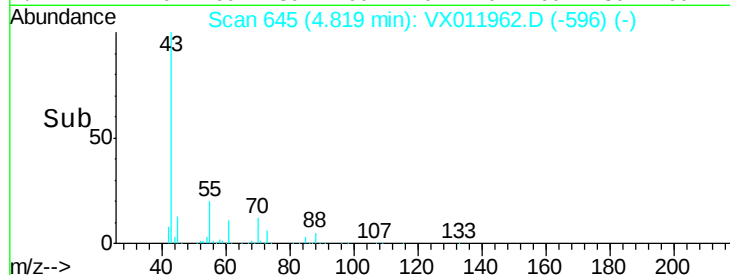
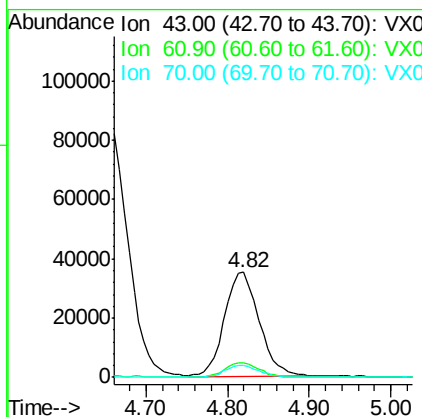
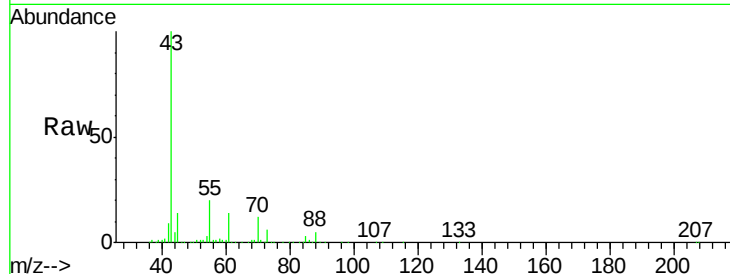
#37
Ethyl Acetate
Concen: 49.324 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	11.7	9.2	13.8

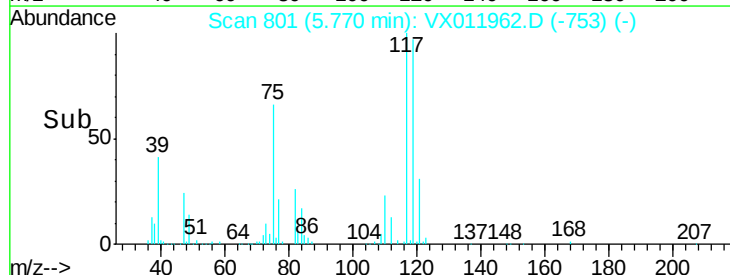
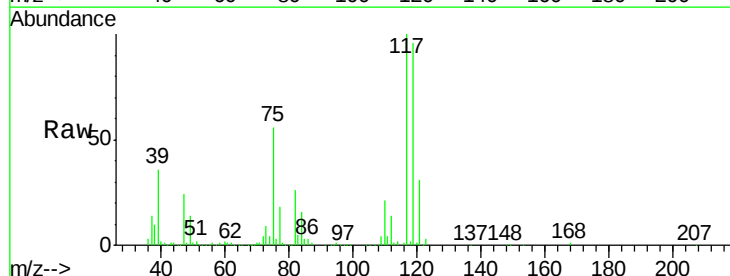
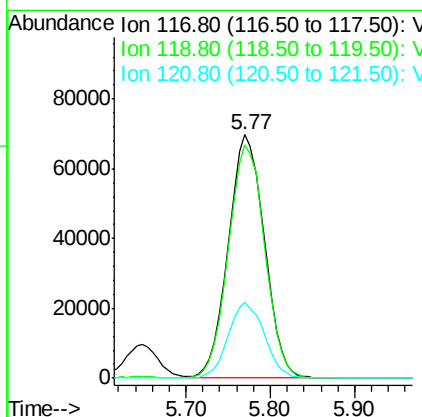
Manual Integrations
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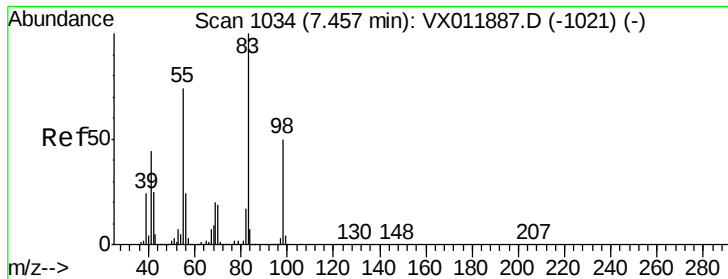
sam
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#38
Carbon Tetrachloride
Concen: 49.235 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.6	114.8
121	31.0	24.7	37.1





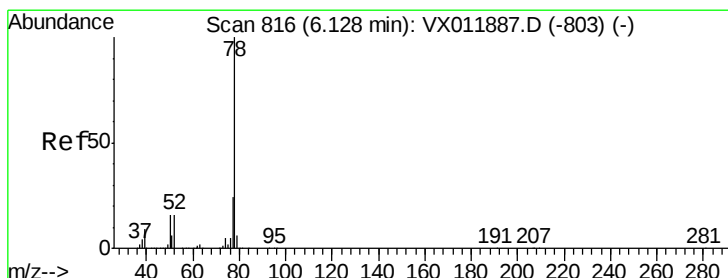
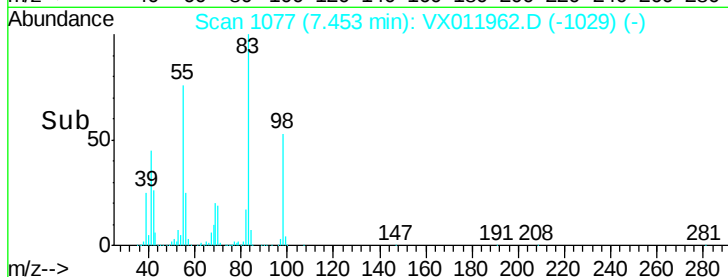
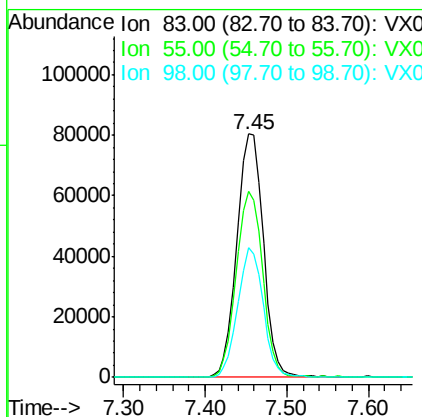
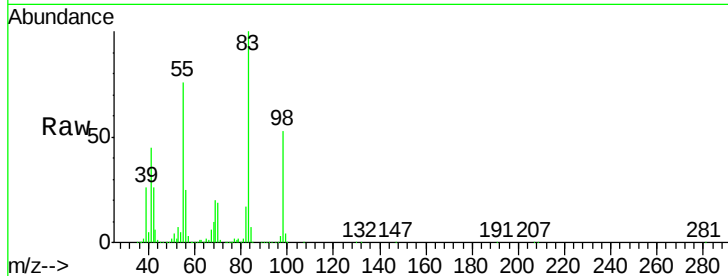
#39
Methylvlcyclohexane
Concen: 43.036 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	59.4	89.0
98	53.3	40.3	60.5

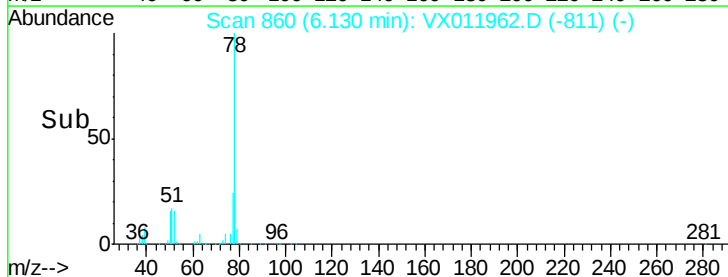
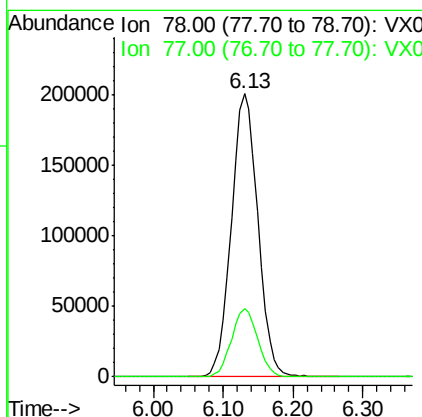
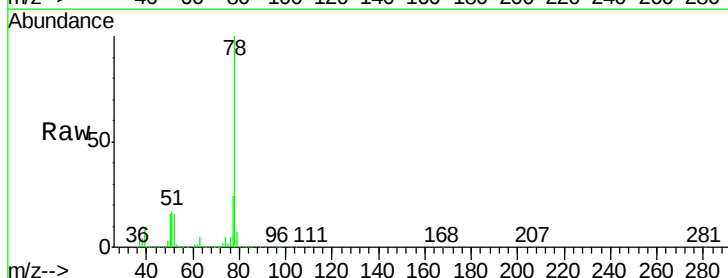
Manual Integrations
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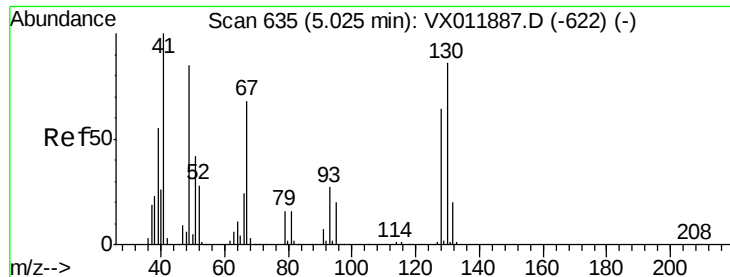
sam
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#40
Benzene
Concen: 50.033 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.6





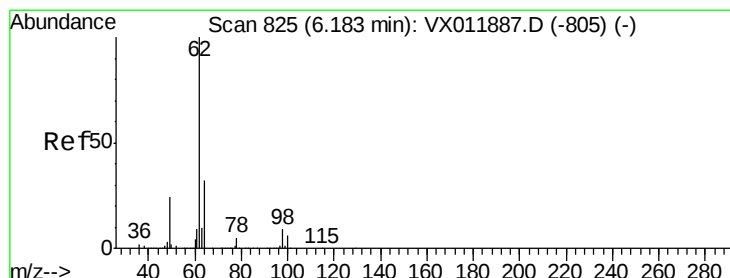
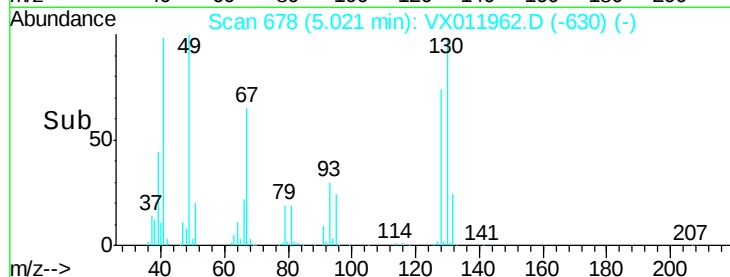
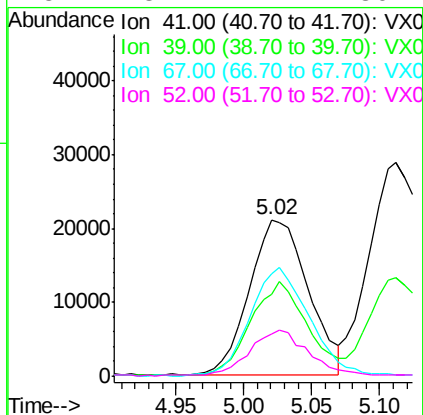
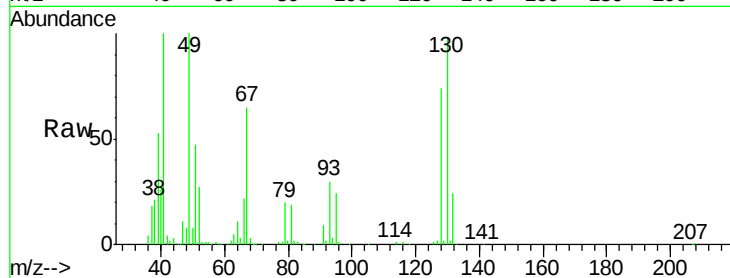
#41
Methacrylonitrile
Concen: 51.718 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.9	45.0	67.6	
67	69.5	55.0	82.4	
52	28.2	24.1	36.1	

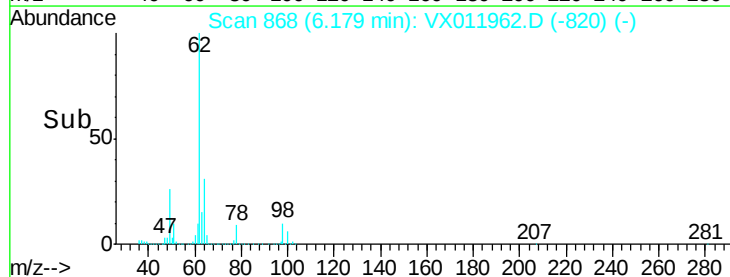
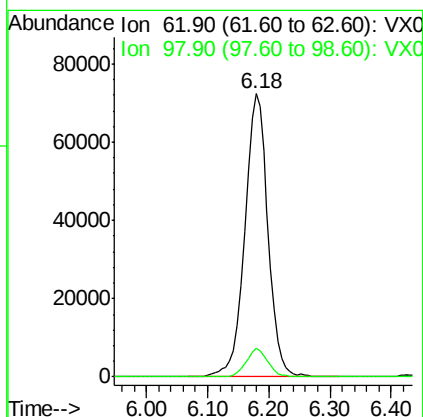
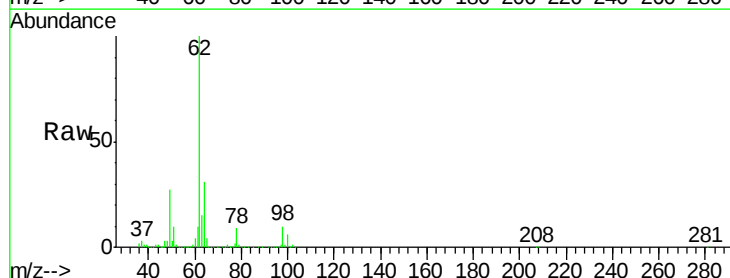
Manual Integrations
APPROVED

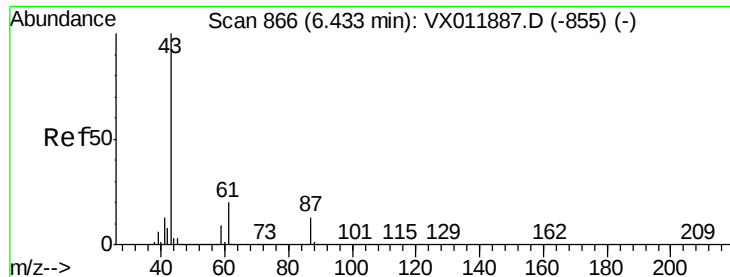
sam
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#42
1,2-Dichloroethane
Concen: 53.042 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	19.2	





#43

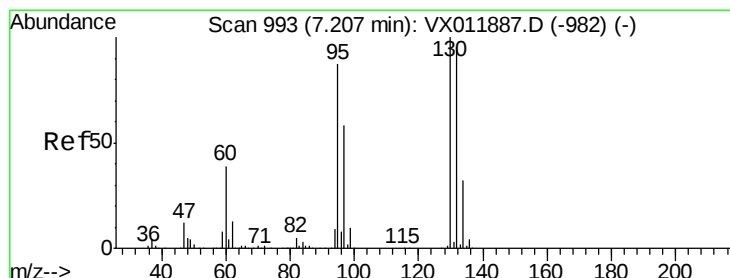
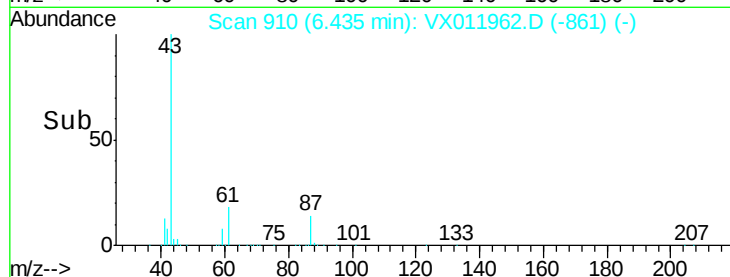
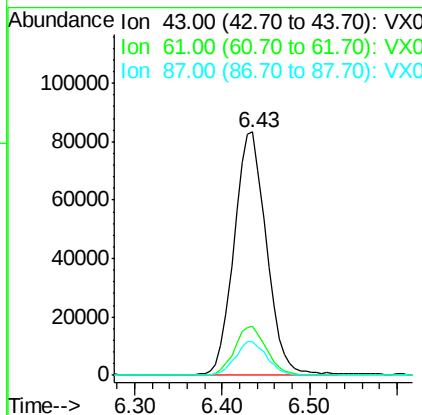
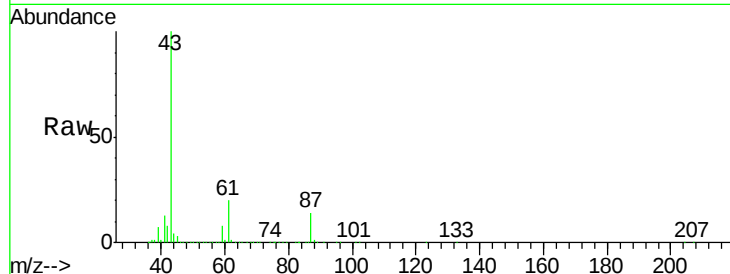
Isopropyl Acetate
 Concen: 50.181 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX011962.D
 Acq: 31 Aug 2019 20:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.8	16.1	24.1
87	13.7	10.6	16.0

Manual Integrations
 APPROVED

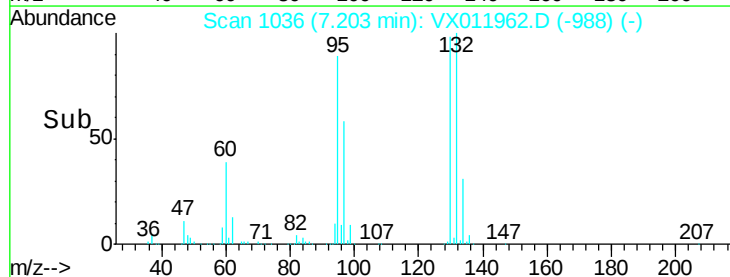
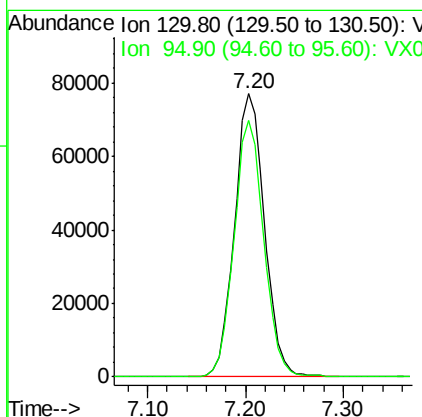
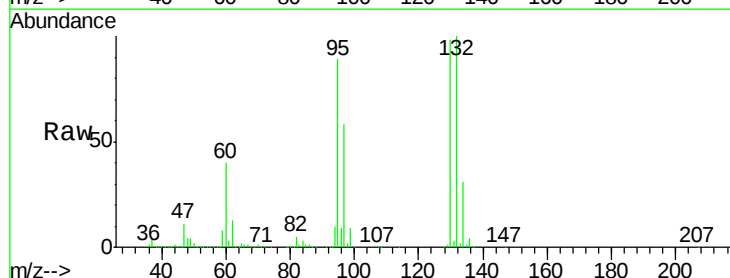
sam
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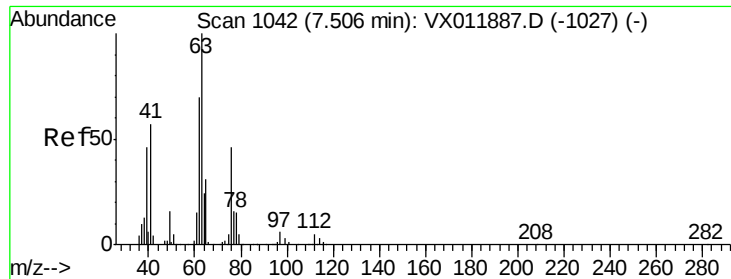


#44

Trichloroethene
 Concen: 50.153 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX011962.D
 Acq: 31 Aug 2019 20:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.5	0.0	174.6





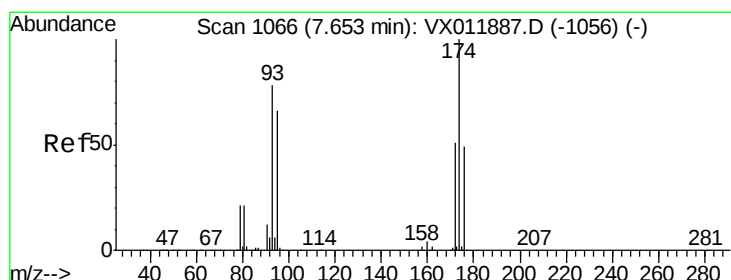
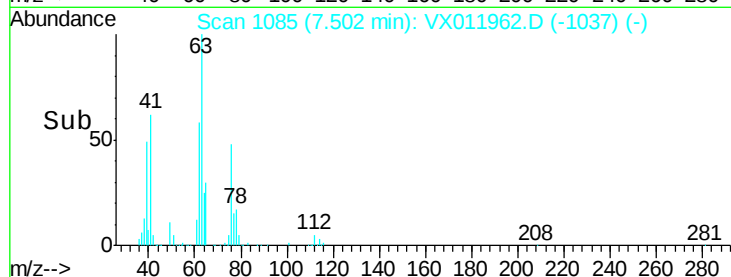
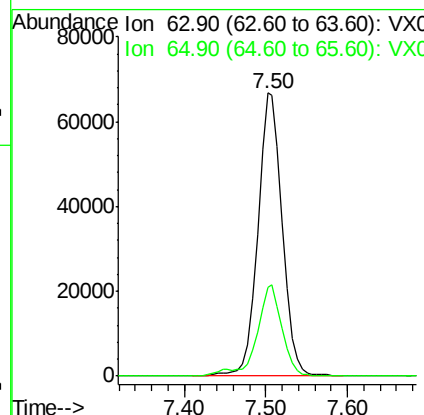
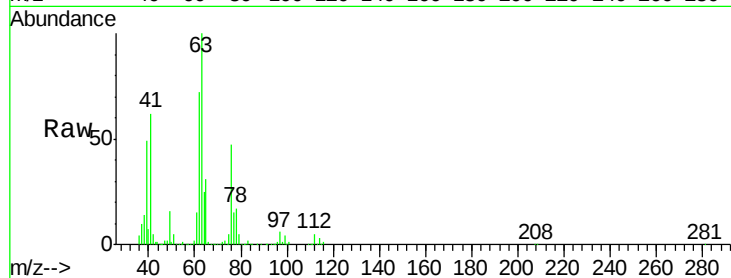
#45
 1,2-Dichloropropane
 Concen: 50.590 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX011962.D
 Acq: 31 Aug 2019 20:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.1	37.7

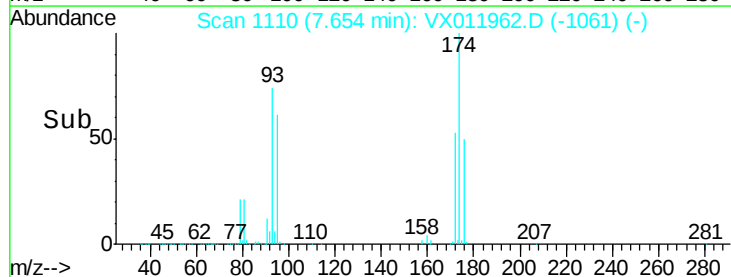
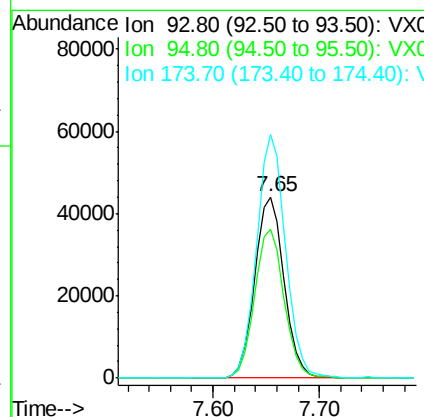
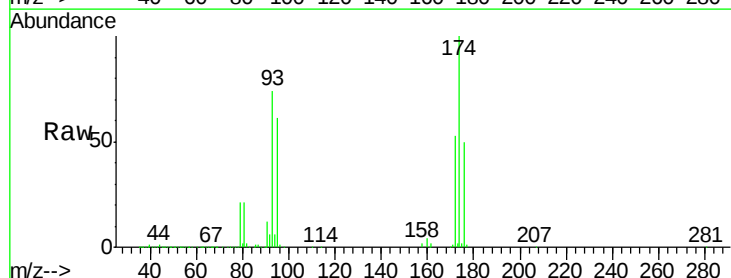
Manual Integrations
 APPROVED

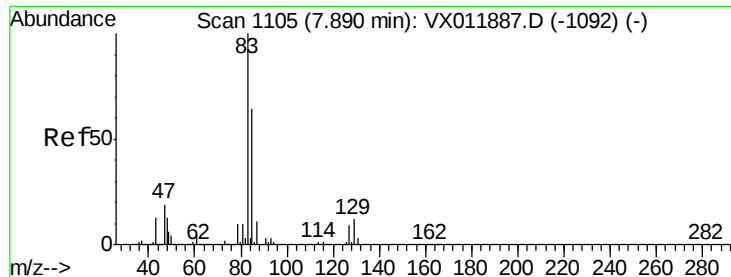
sam
 9/3/2019 12:52:35 PM



#46
 Dibromomethane
 Concen: 52.203 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX011962.D
 Acq: 31 Aug 2019 20:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.7	65.7	98.5
174	132.0	104.2	156.4





#47

Bromodichloromethane

Concen: 52.742 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

Instrument :

MSVOA_X

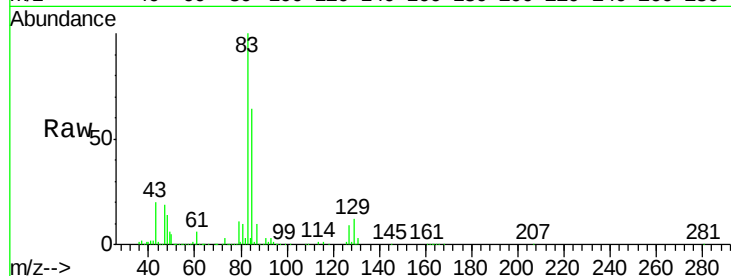
ClientSampleId :

VSTDCCC050EC

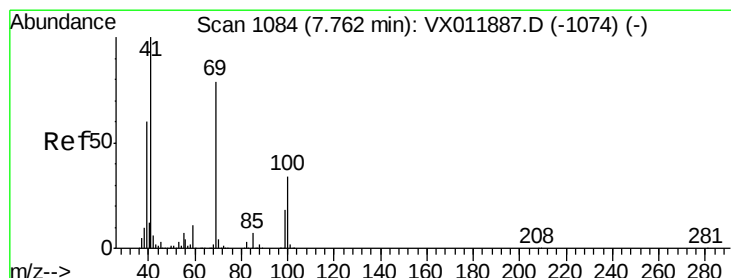
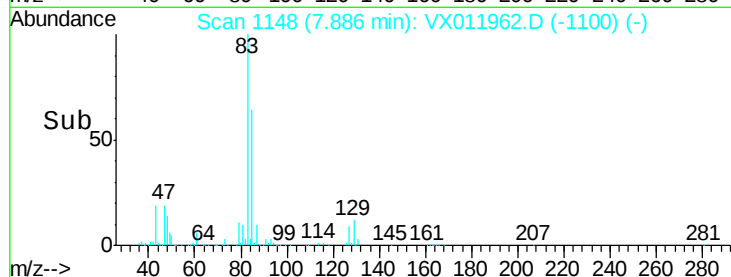
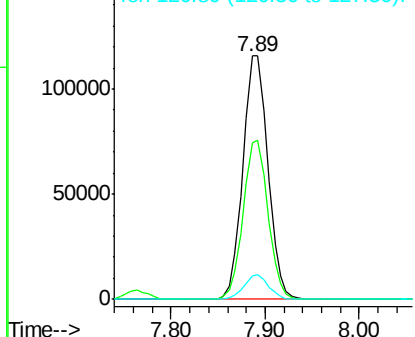
Tot Ion:	83	Resp:	214601
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.1	76.7
127	9.4	7.4	11.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.416 ug/l

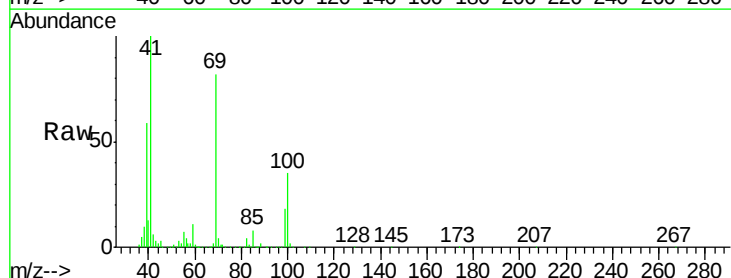
RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

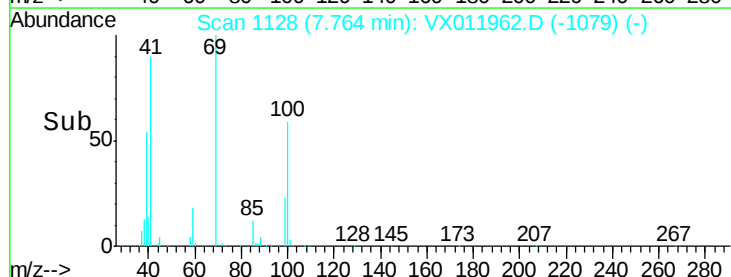
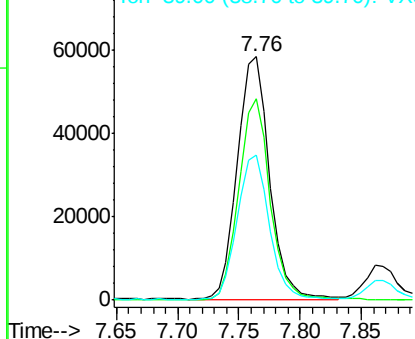
Lab File: VX011962.D

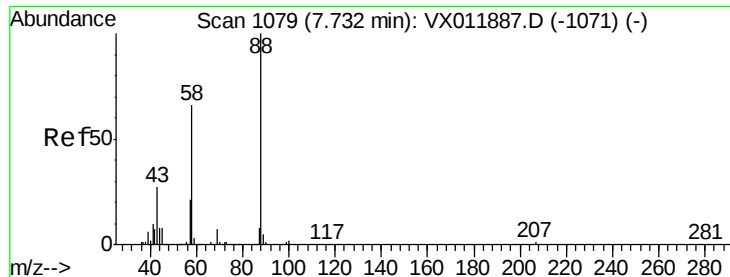
Acq: 31 Aug 2019 20:31

Tgt Ion:	41	Resp:	106316
Ion Ratio	Lower	Upper	
41	100		
69	81.1	64.4	96.6
39	59.4	47.2	70.8



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





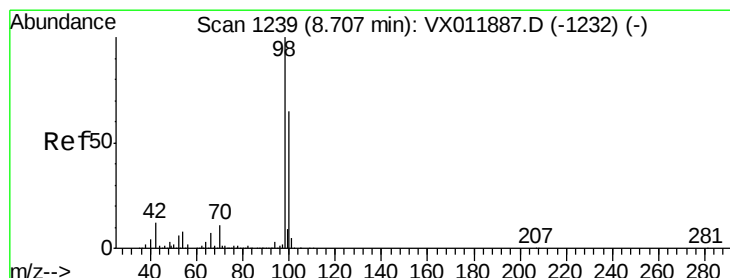
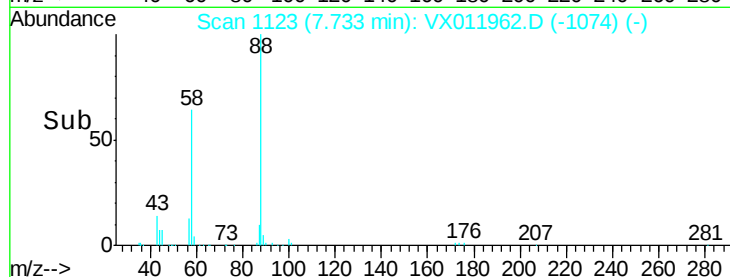
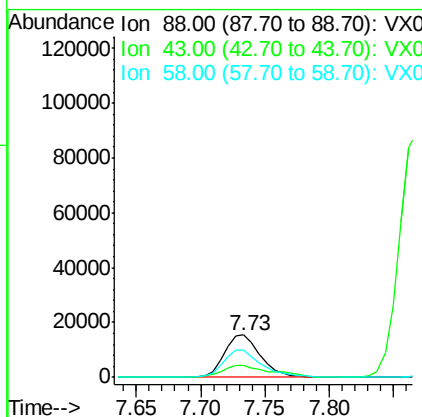
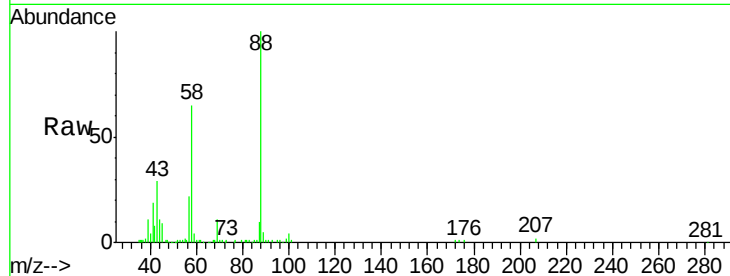
#49
1,4-Dioxane
Concen: 1064.657 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.8	27.3	40.9
58	66.9	53.9	80.9

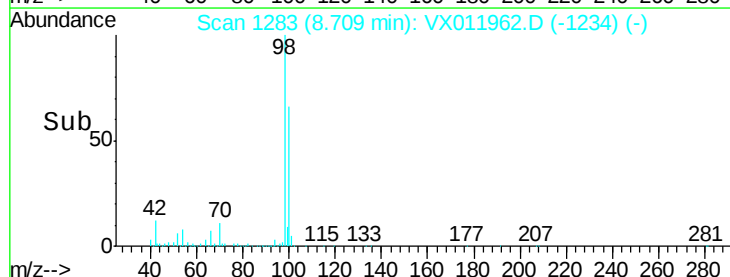
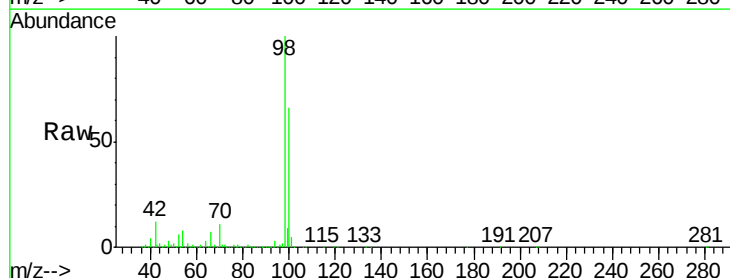
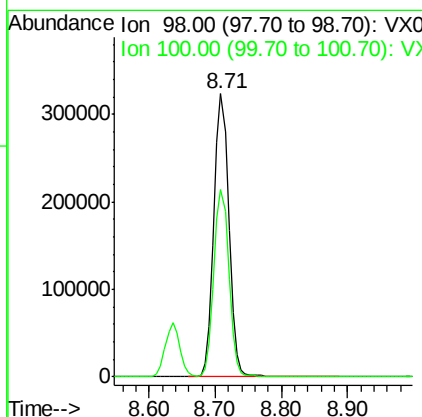
Manual Integrations
APPROVED

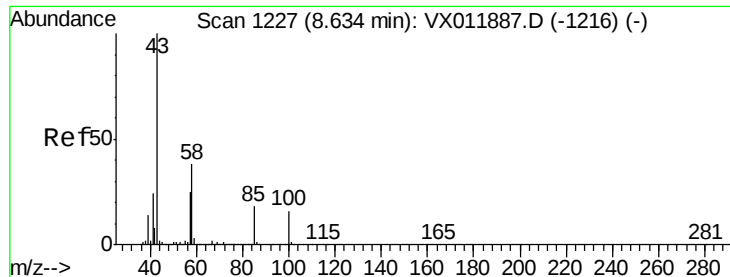
sam
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#50
Toluene-d8
Concen: 49.772 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 254.975 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 550468

Ion Ratio Lower Upper

43 100

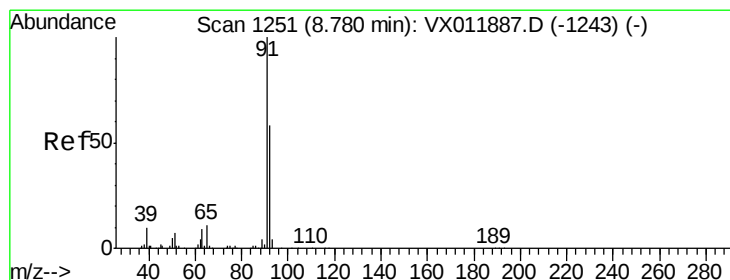
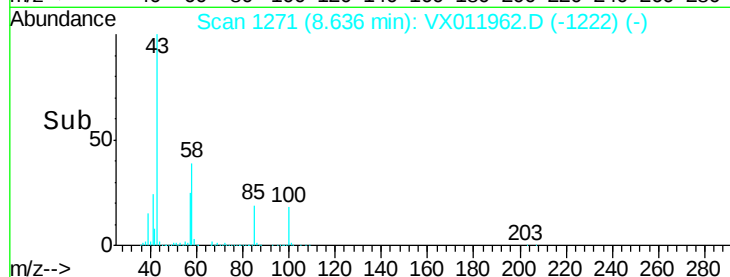
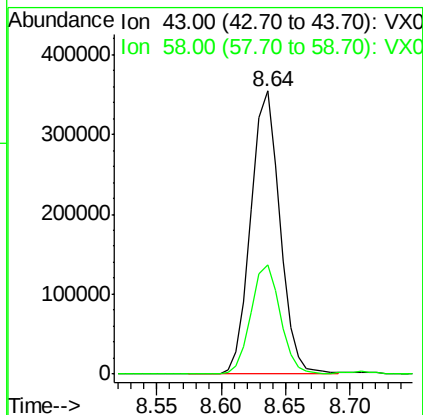
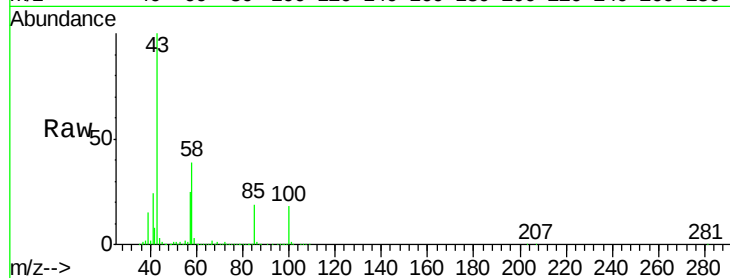
58 39.0 30.9 46.3

Manual Integrations

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sam

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#52

Toluene

Concen: 50.886 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX011962.D

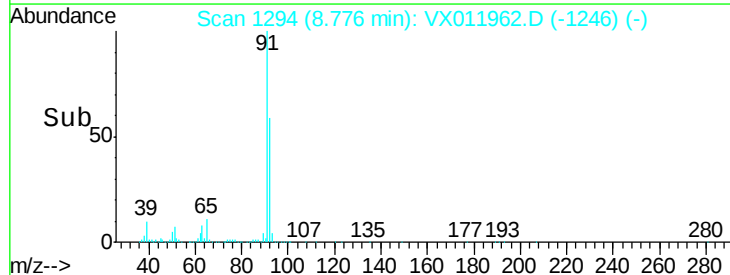
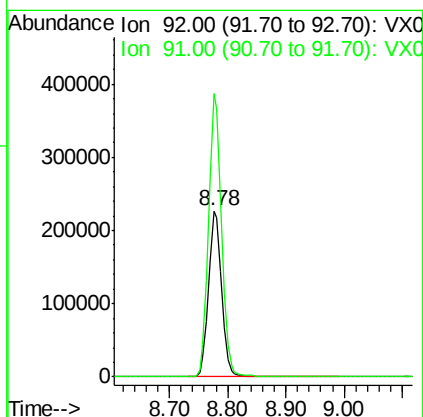
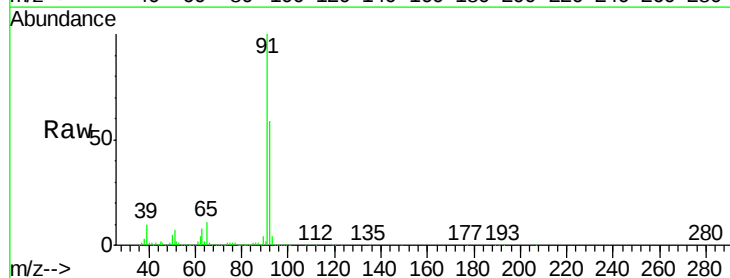
Acq: 31 Aug 2019 20:31

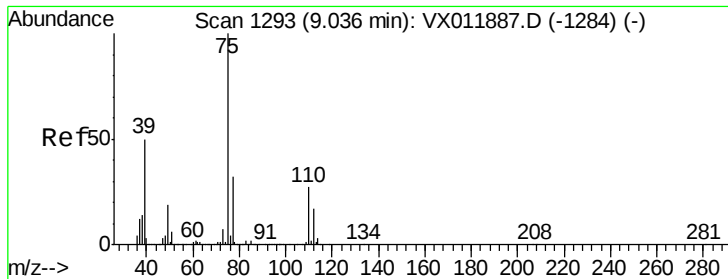
Tgt Ion: 92 Resp: 355836

Ion Ratio Lower Upper

92 100

91 170.0 136.8 205.2





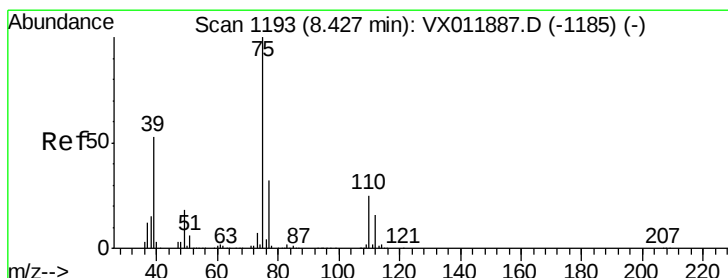
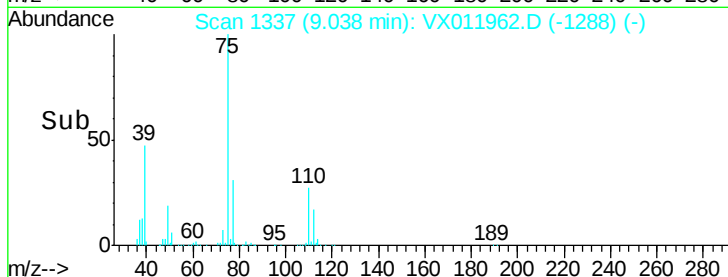
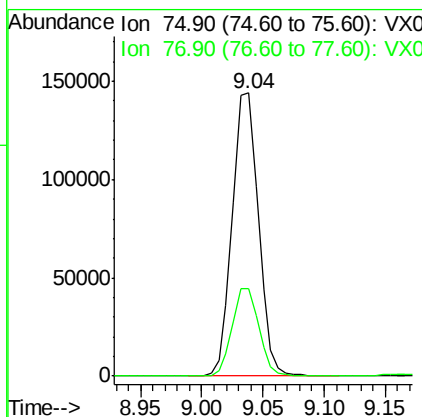
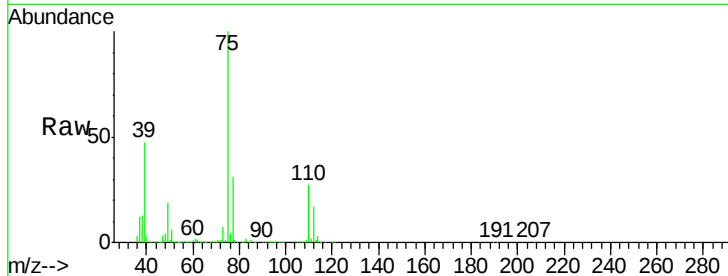
#53
t-1,3-Dichloropropene
Concen: 51.297 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 213800
Ion Ratio Lower Upper
75 100
77 30.9 25.6 38.4

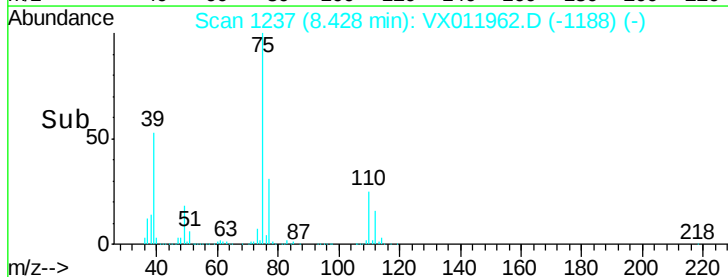
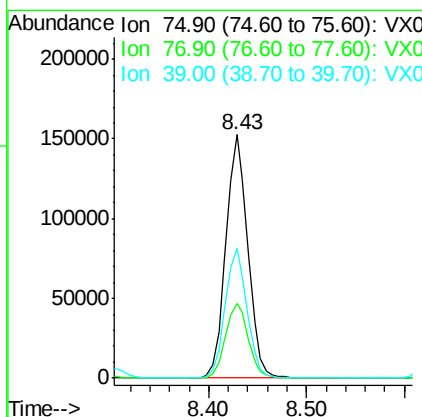
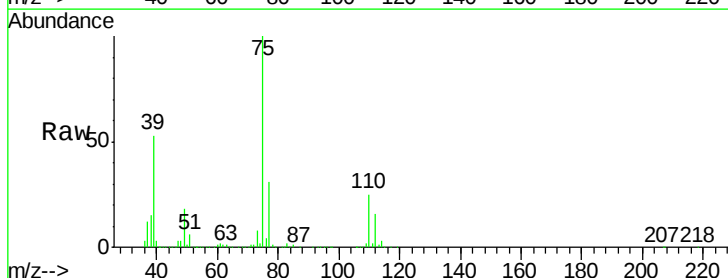
Manual Integrations
APPROVED

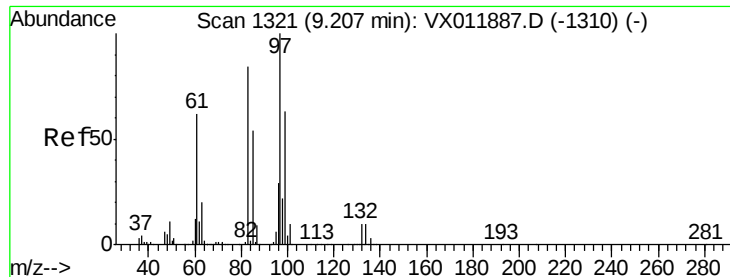
sam
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#54
cis-1,3-Dichloropropene
Concen: 50.680 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Tgt Ion: 75 Resp: 237117
Ion Ratio Lower Upper
75 100
77 30.8 25.5 38.3
39 53.2 42.6 64.0





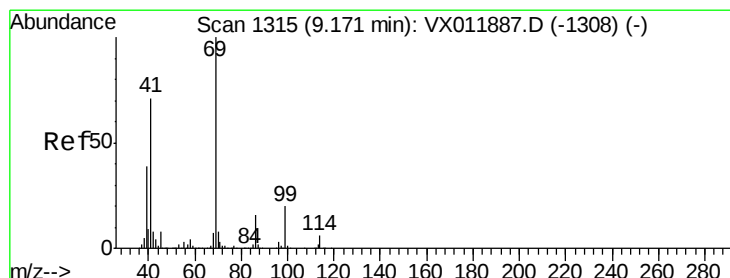
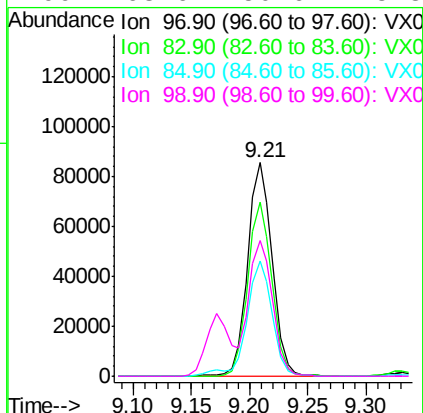
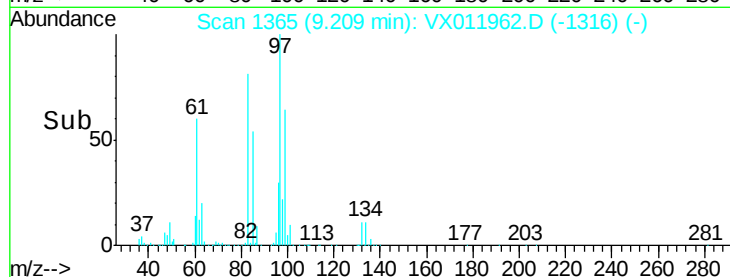
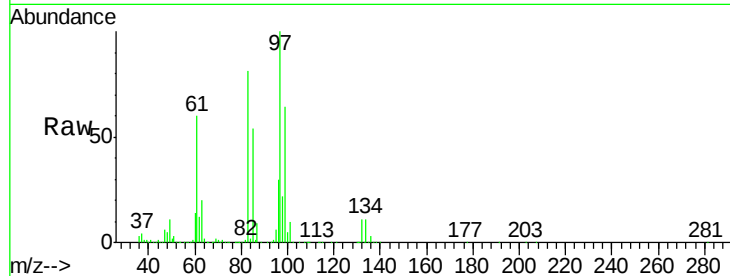
#55
 1,1,2-Trichloroethane
 Concen: 52.242 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX011962.D
 Acq: 31 Aug 2019 20:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		125495		
83	81.4	66.8	100.2		
85	53.6	43.5	65.3		
99	63.6	50.6	75.8		

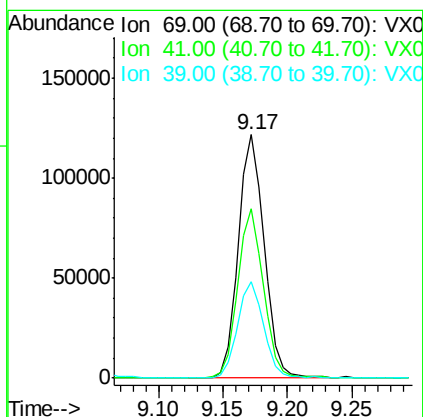
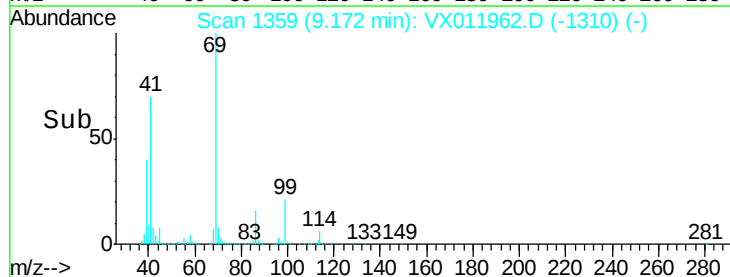
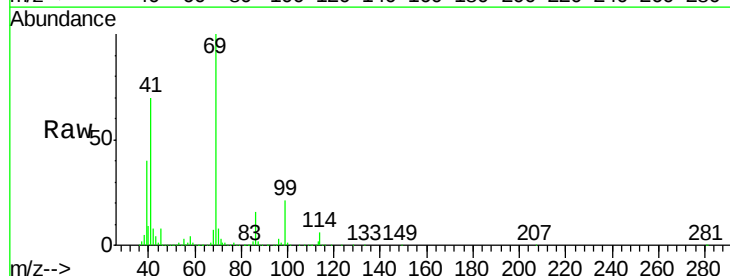
Manual Integrations
 APPROVED

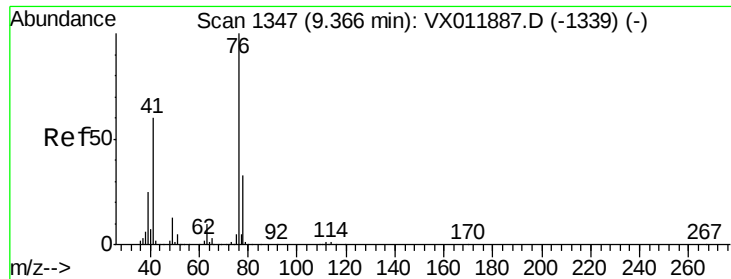
sam
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#56
 Ethyl methacrylate
 Concen: 50.732 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX011962.D
 Acq: 31 Aug 2019 20:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		169139		
41	69.1	55.8	83.8		
39	39.6	31.1	46.7		





#57

1,3-Dichloropropane

Concen: 51.634 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 205872

Ion Ratio Lower Upper

76 100

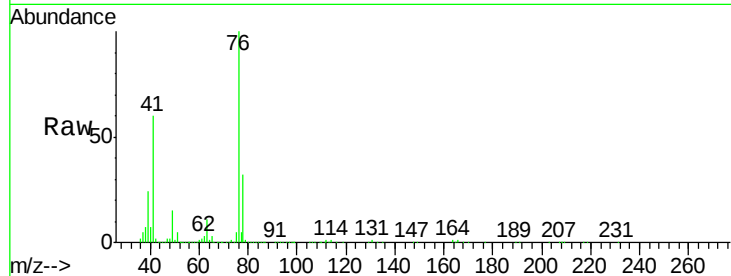
78 32.6 26.4 39.6

Manual Integrations

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sam

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

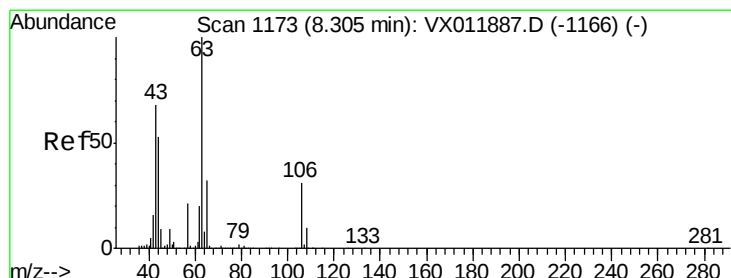
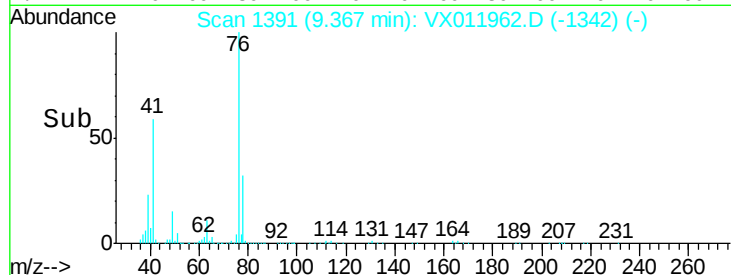
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 256.869 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX011962.D

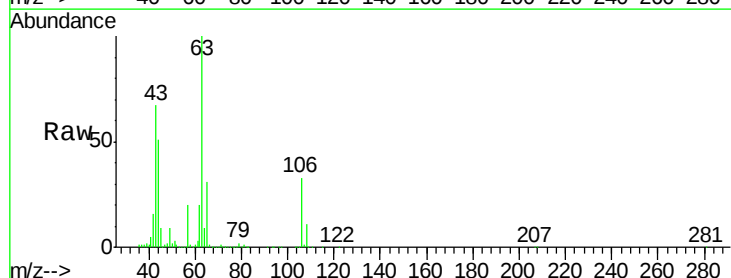
Acq: 31 Aug 2019 20:31

Tgt Ion: 63 Resp: 407893

Ion Ratio Lower Upper

63 100

106 31.7 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

300000

250000

200000

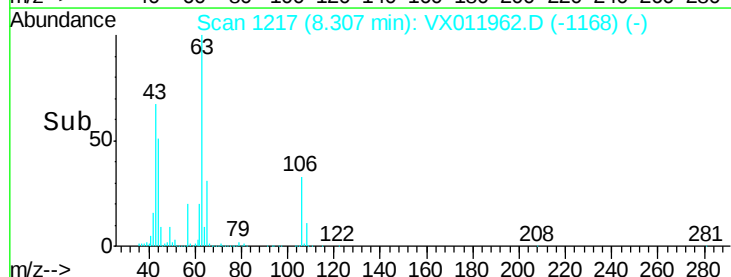
150000

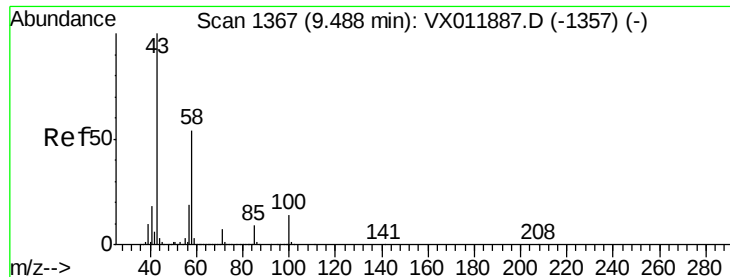
100000

50000

0

Time-->





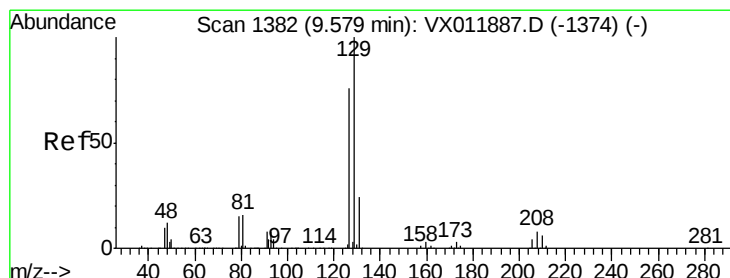
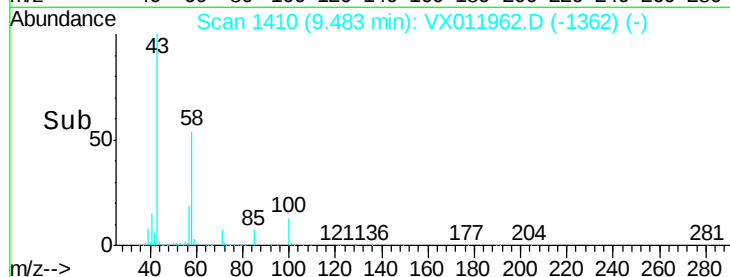
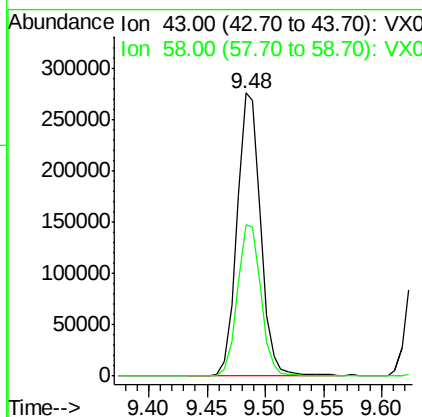
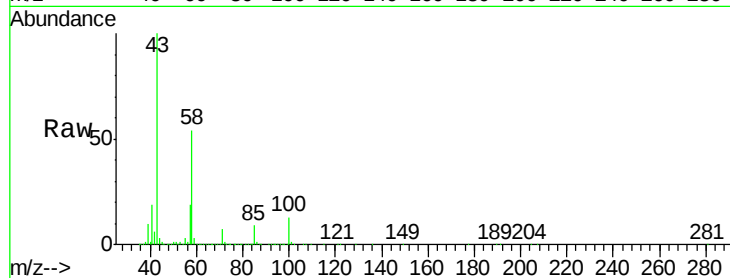
#59
2-Hexanone
Concen: 253.210 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.1	26.8	80.4

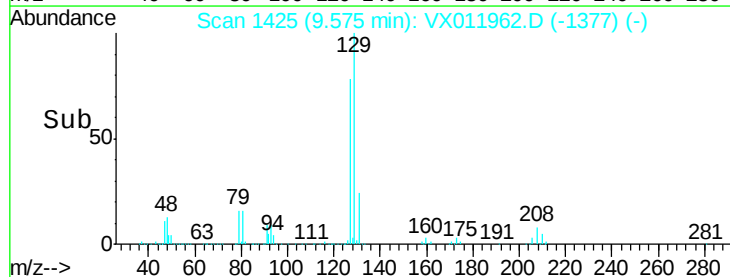
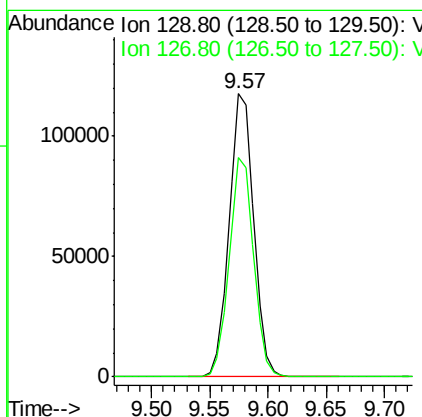
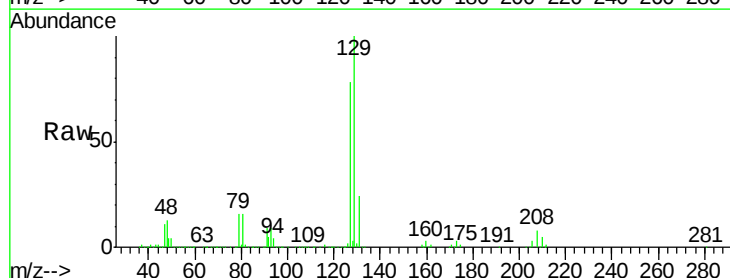
Manual Integrations
APPROVED

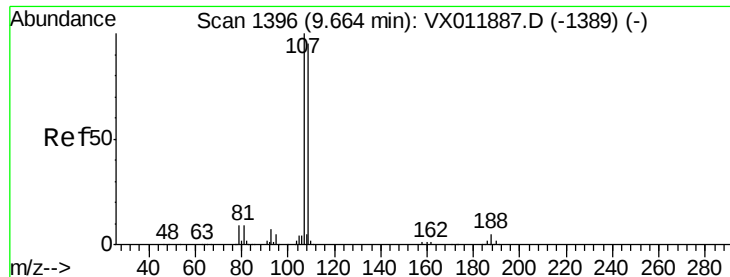
sam
9/3/2019 12:52:35 PM



#60
Dibromochloromethane
Concen: 53.677 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.6	115.7





#61

1,2-Dibromoethane

Concen: 53.019 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 126274

Ion Ratio Lower Upper

107 100

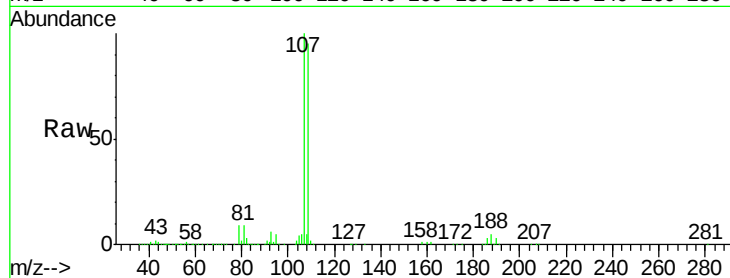
109 94.1 75.3 112.9

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

9.67

100000

80000

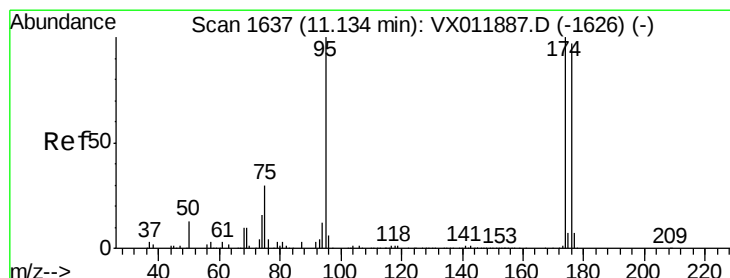
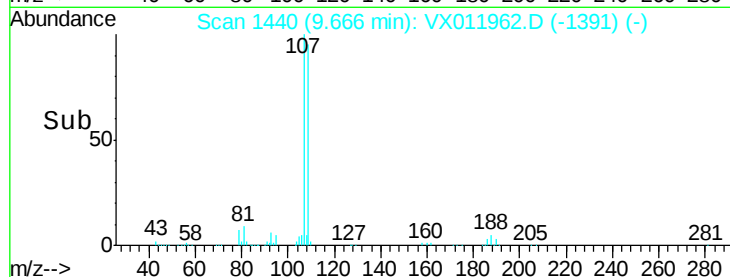
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.103 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

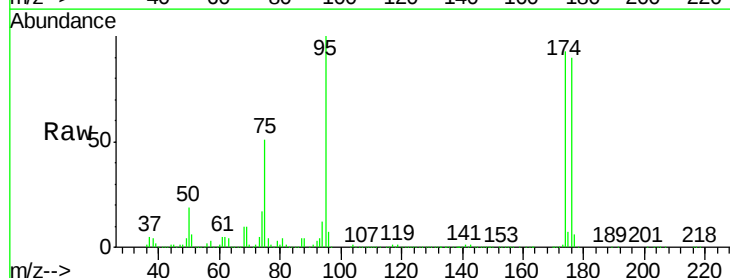
Tgt Ion: 95 Resp: 216196

Ion Ratio Lower Upper

95 100

174 100.9 0.0 196.0

176 98.2 0.0 191.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

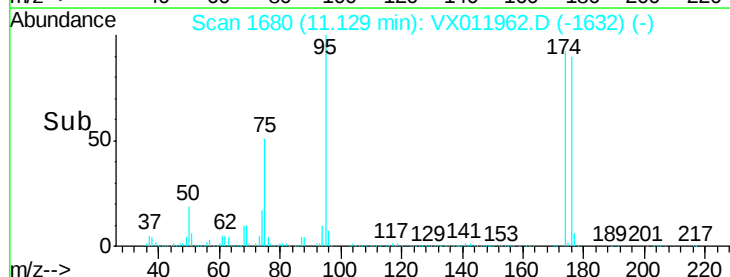
150000

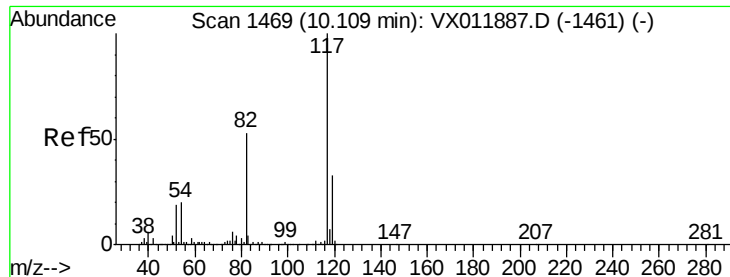
100000

50000

0

Time-->





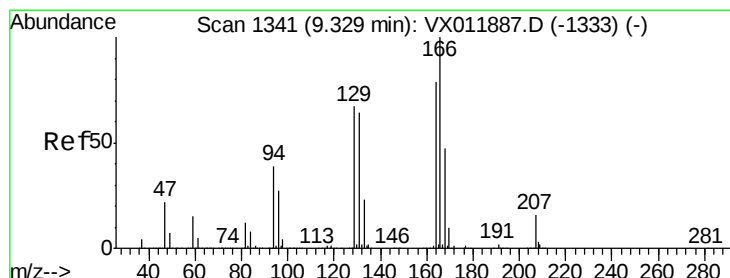
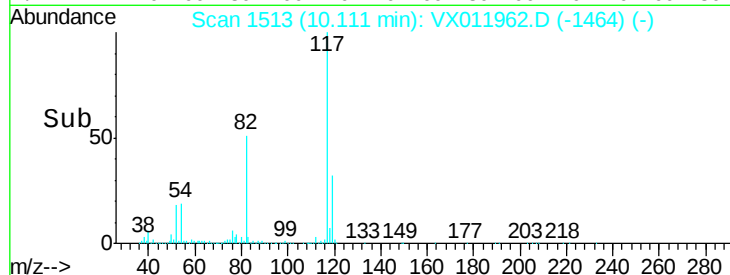
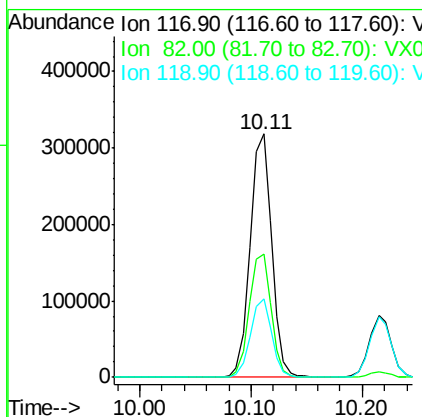
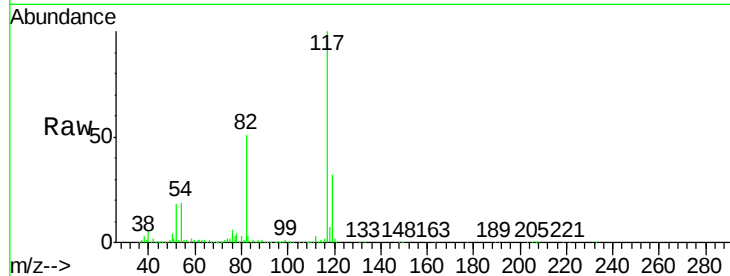
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.8	42.0	63.0
119	32.2	26.2	39.4

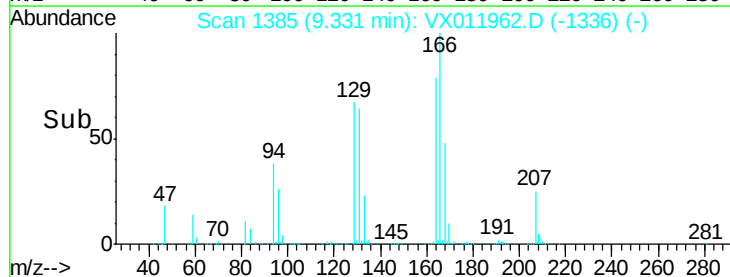
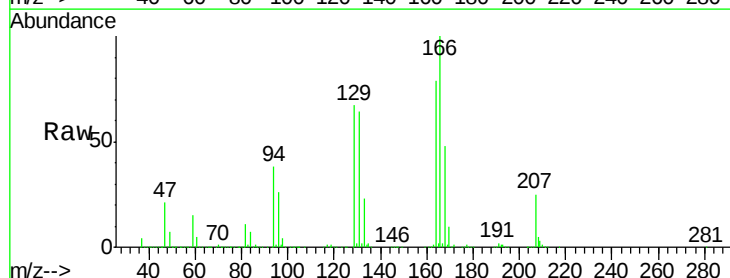
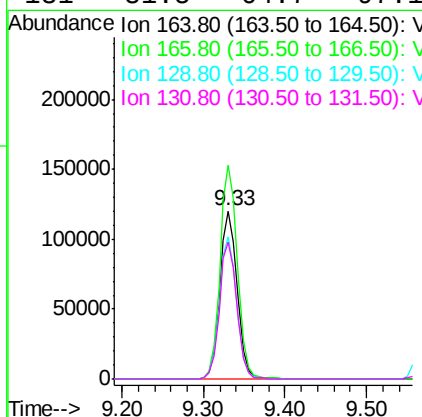
Manual Integrations
APPROVED

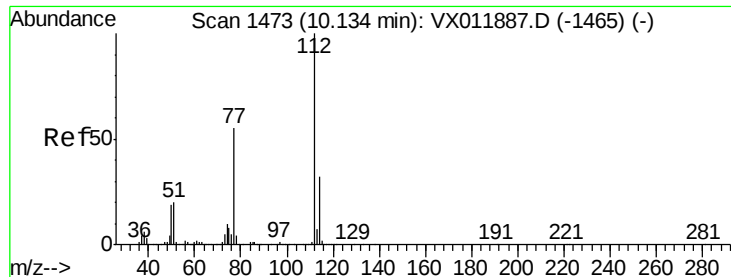
sam
9/3/2019 12:52:35 PM



#64
Tetrachloroethene
Concen: 51.303 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.4	152.0
129	84.8	68.0	102.0
131	81.5	64.7	97.1





#65

Chlorobenzene

Concen: 50.954 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 423656

Ion Ratio Lower Upper

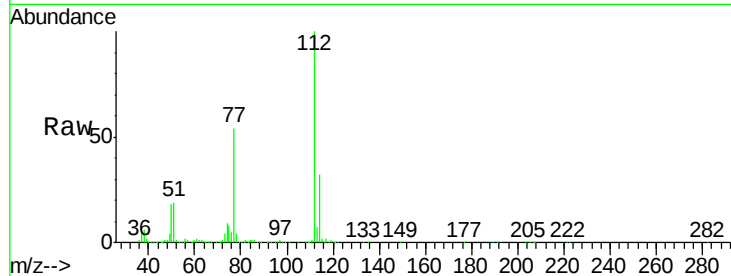
112 100

114 32.1 25.9 38.9

Manual Integrations
APPROVED

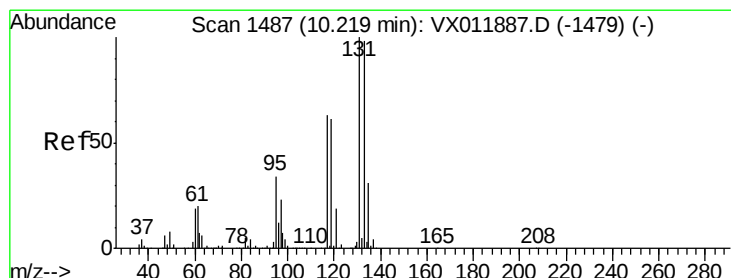
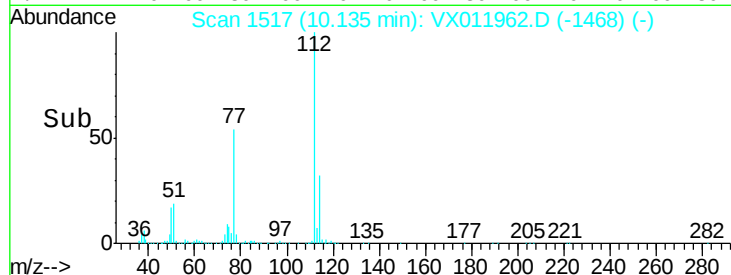
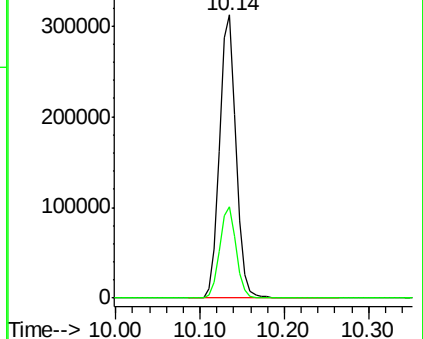
sam

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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: 52.871 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

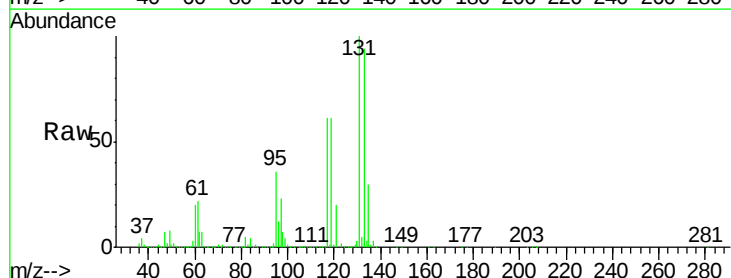
Tgt Ion:131 Resp: 177766

Ion Ratio Lower Upper

131 100

133 95.9 48.4 145.0

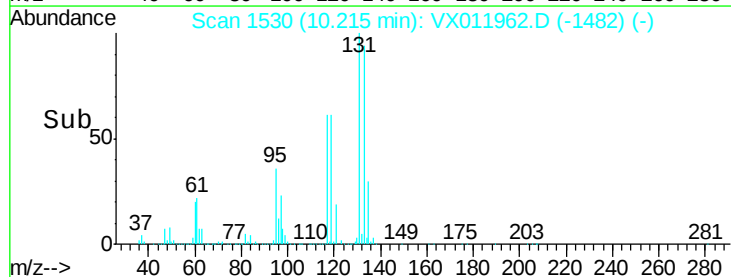
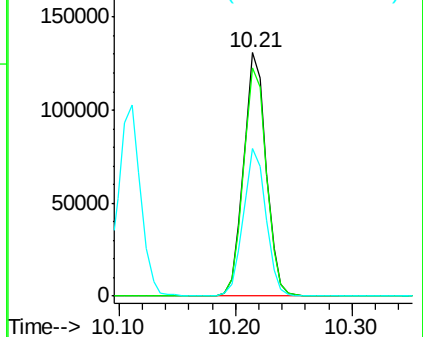
119 60.7 30.6 92.0

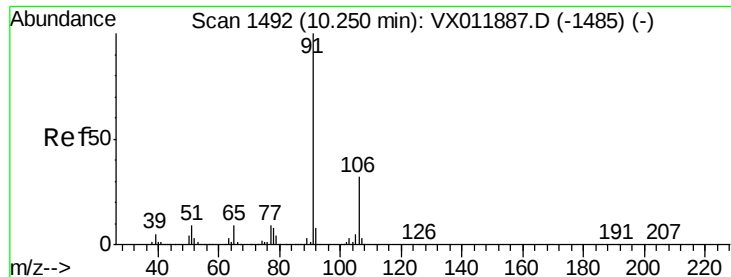


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.150 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 709275

Ion Ratio Lower Upper

91 100

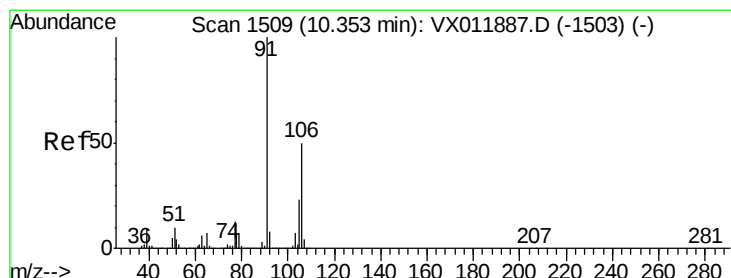
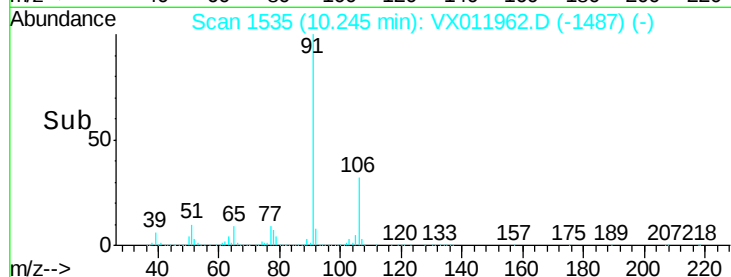
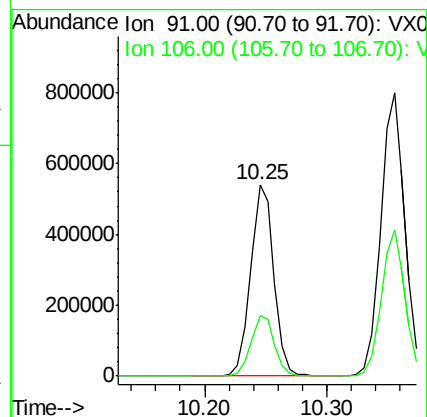
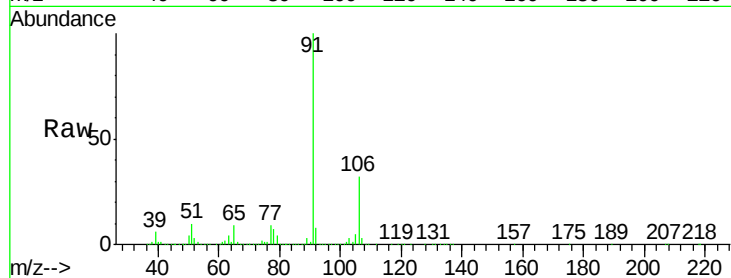
106 31.5 25.8 38.8

Manual Integrations

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sam

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#68

m/p-Xylenes

Concen: 101.629 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX011962.D

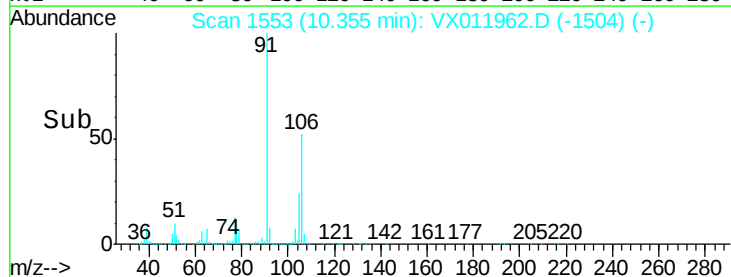
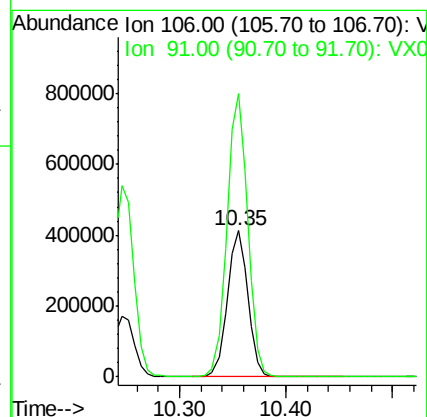
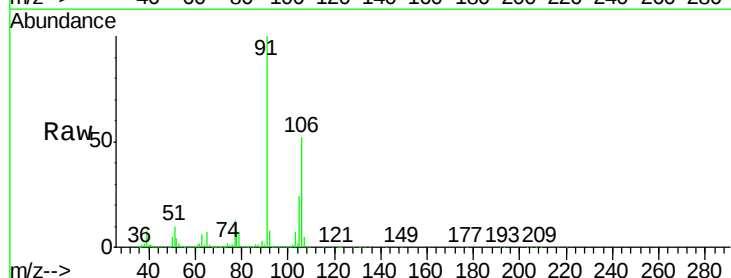
Acq: 31 Aug 2019 20:31

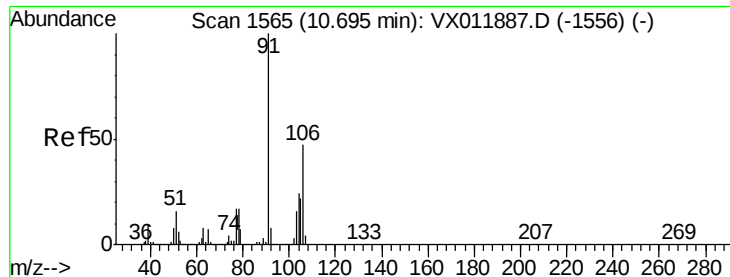
Tgt Ion: 106 Resp: 555001

Ion Ratio Lower Upper

106 100

91 195.3 158.6 237.8





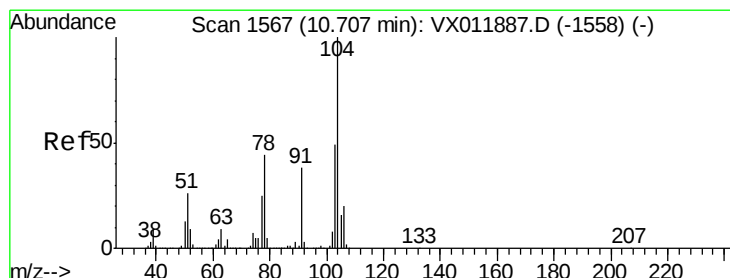
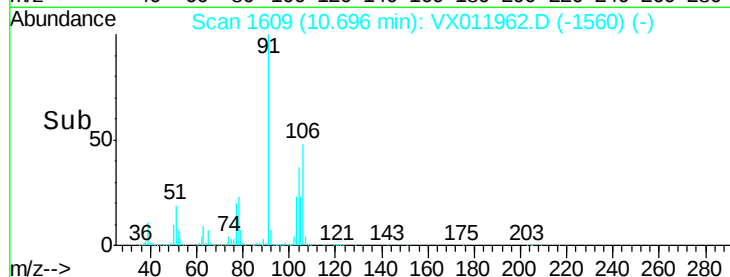
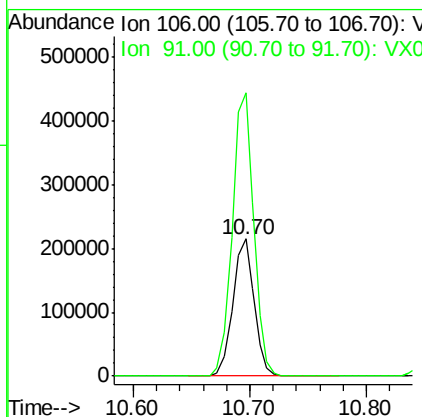
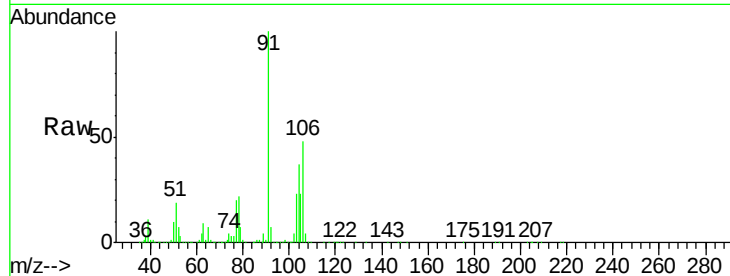
#69
o-Xylene
Concen: 51.072 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		271785		
91	209.2	104.8	314.6		

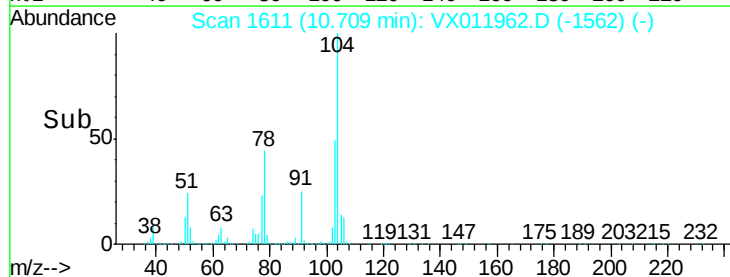
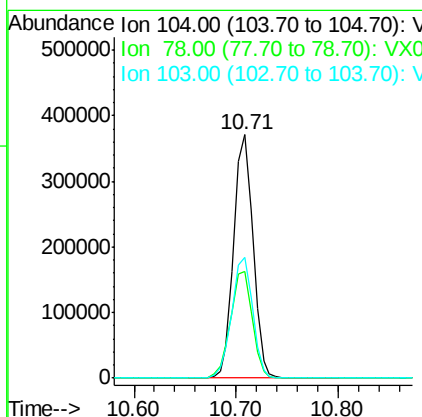
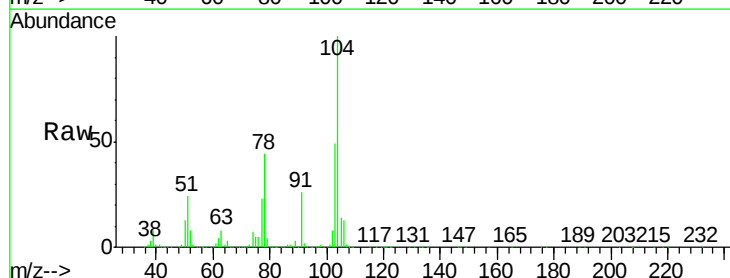
Manual Integrations
APPROVED

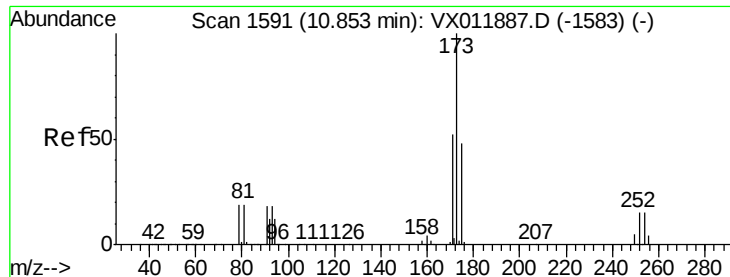
sam
9/3/2019 12:52:35 PM



#70
Styrene
Concen: 51.786 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		485745		
78	49.2	39.2	58.8		
103	53.9	43.0	64.6		





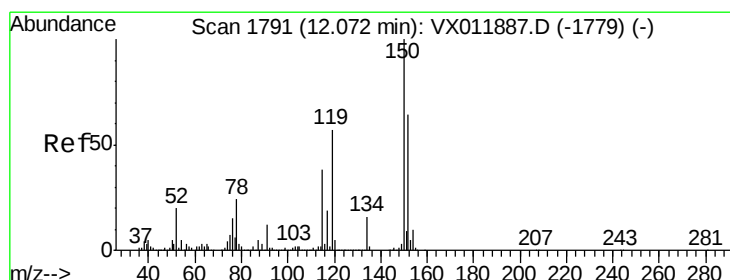
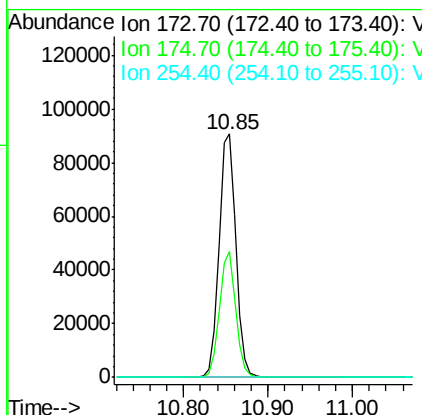
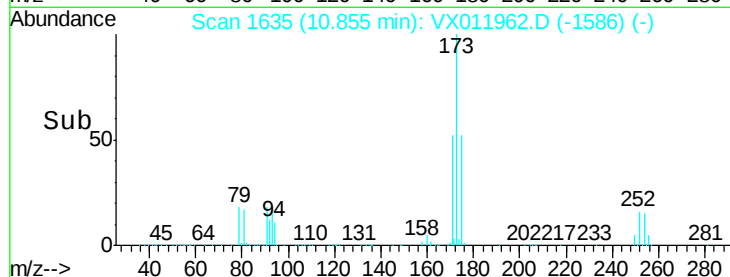
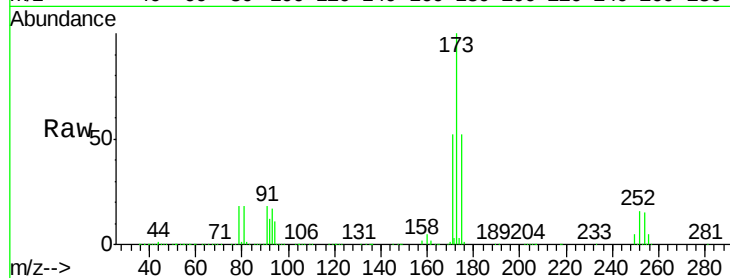
#71
Bromoform
Concen: 52.707 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.4	73.2
254	0.2	0.1	0.1#

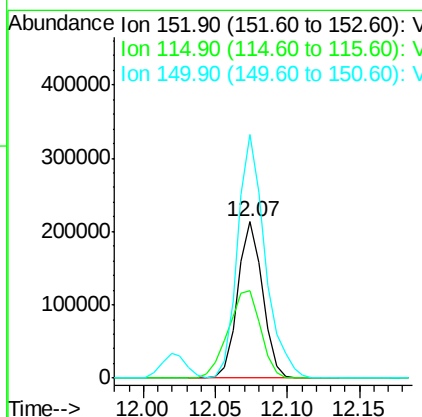
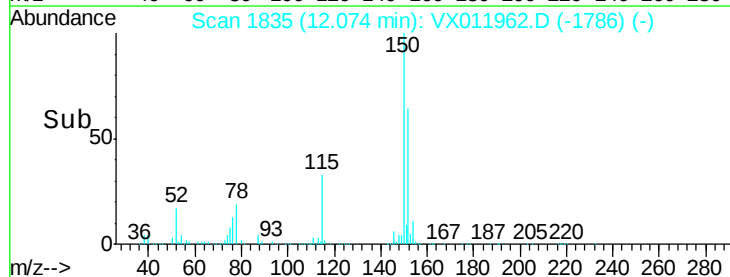
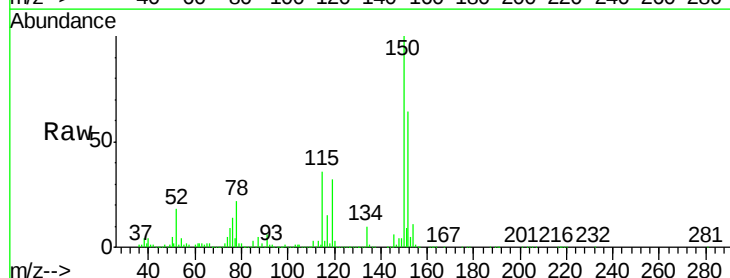
Manual Integrations
APPROVED

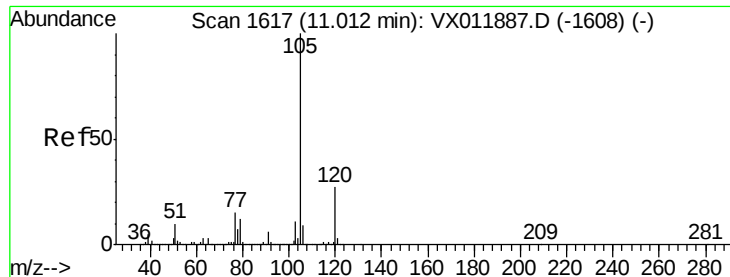
sam
9/3/2019 12:52:35 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	73.8	37.1	111.3
150	171.6	0.0	339.6





#73

Isopropylbenzene

Concen: 49.178 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 724322

Ion Ratio Lower Upper

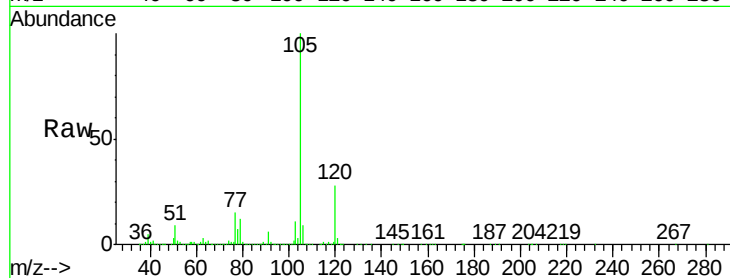
105 100

120 27.6 13.8 41.4

Manual Integrations
APPROVED

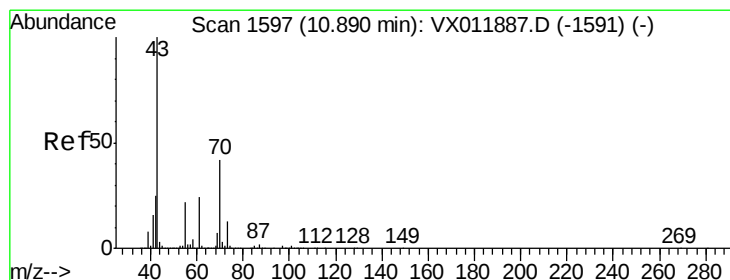
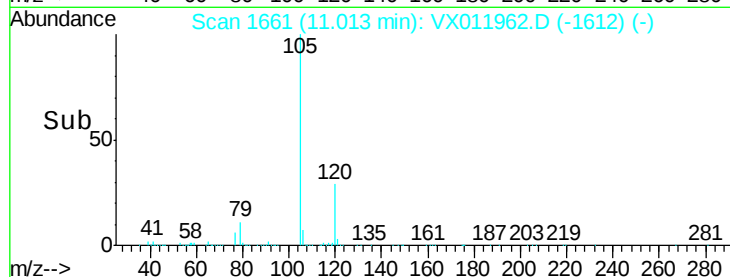
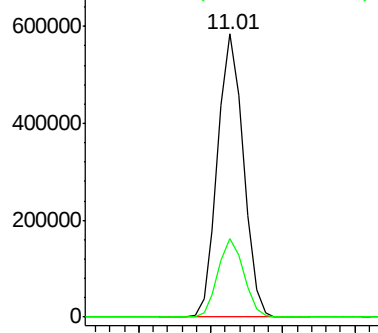
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.788 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

Tgt Ion: 43 Resp: 204507

Ion Ratio Lower Upper

43 100

70 42.2 0.2 0.2#

55 23.2 0.1 0.1#

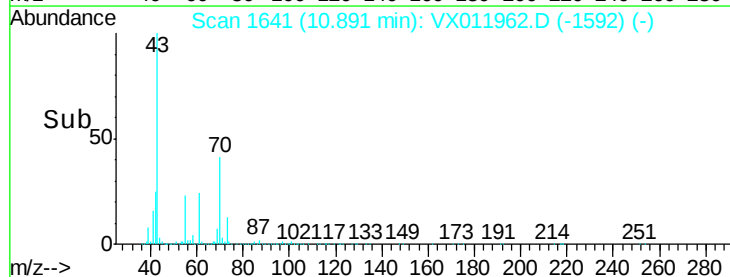
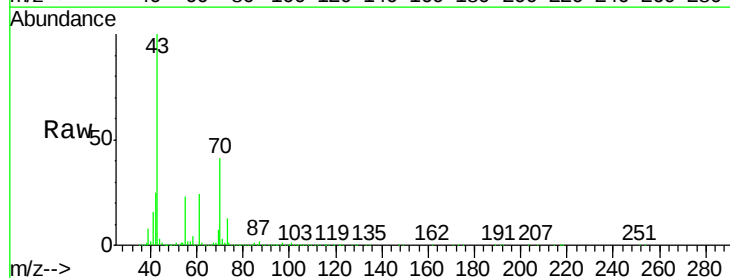
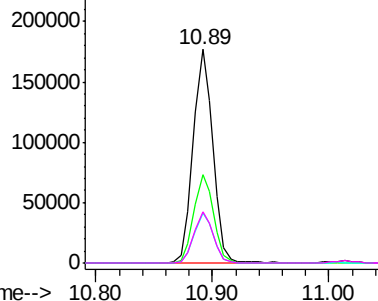
61 23.8 16.4 24.6

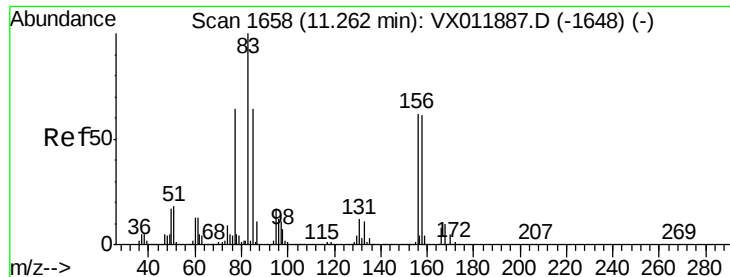
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.343 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 148735

Ion Ratio Lower Upper

83 100

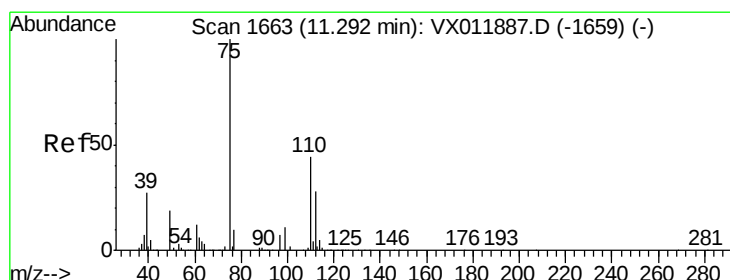
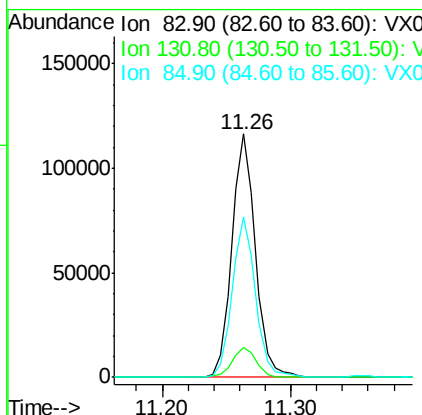
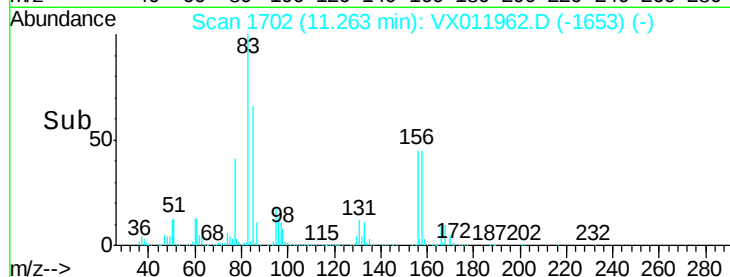
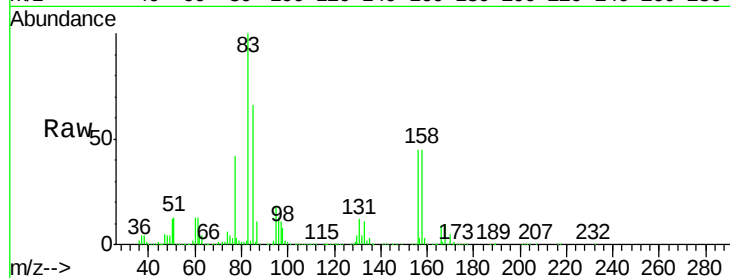
131 12.8 6.0 18.0

85 65.2 31.9 95.9

Manual Integrations
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sam

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#76

1,2,3-Trichloropropane

Concen: 44.228 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX011962.D

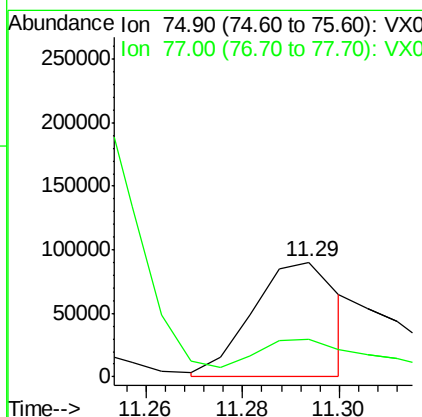
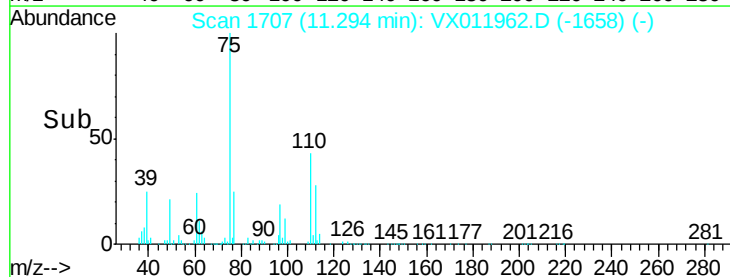
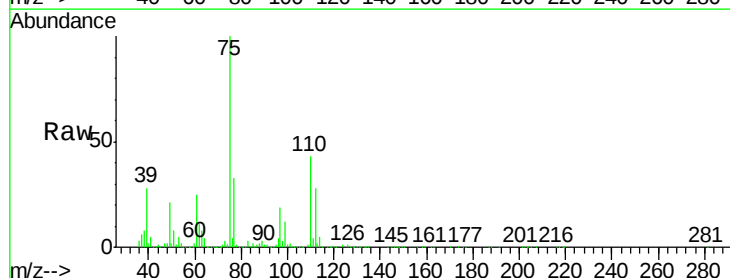
Acq: 31 Aug 2019 20:31

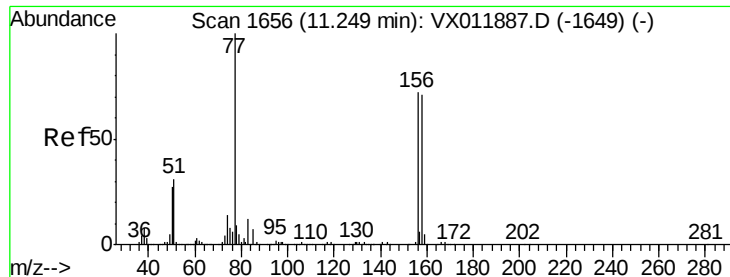
Tgt Ion: 75 Resp: 111524

Ion Ratio Lower Upper

75 100

77 45.4 20.9 62.7





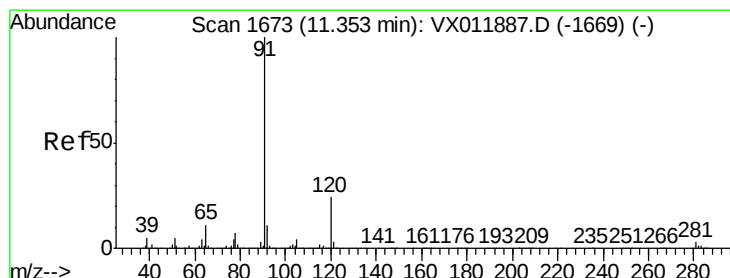
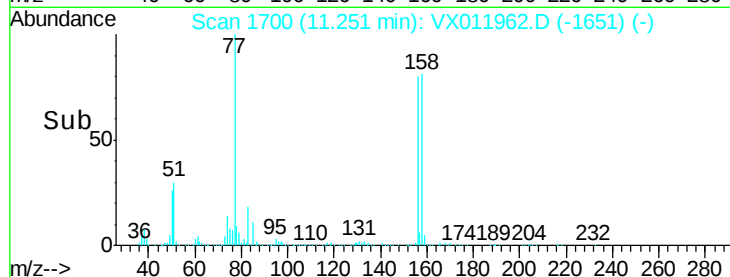
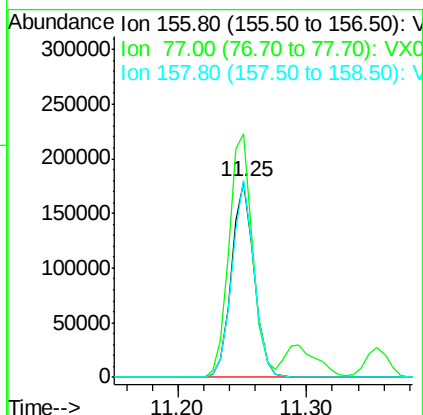
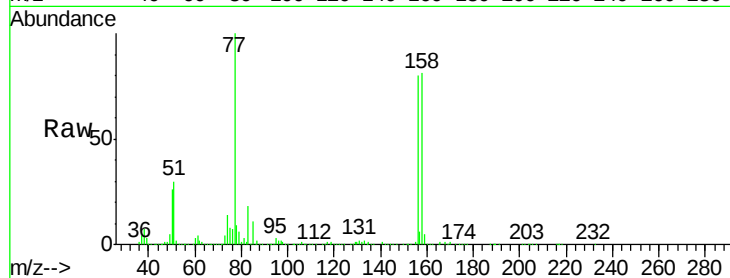
#77
Bromobenzene
Concen: 51.404 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	130.8	68.1	204.3
158	99.3	48.9	146.8

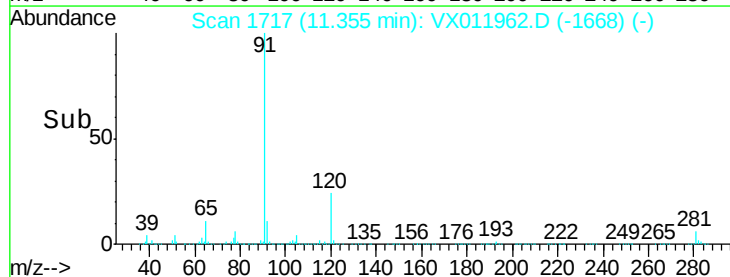
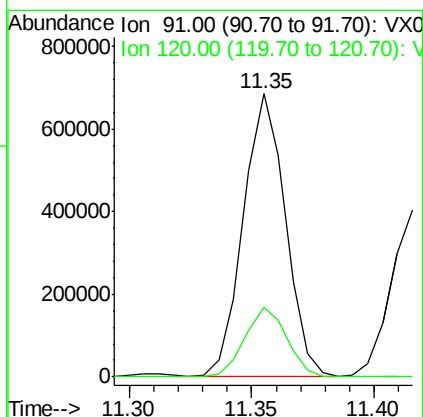
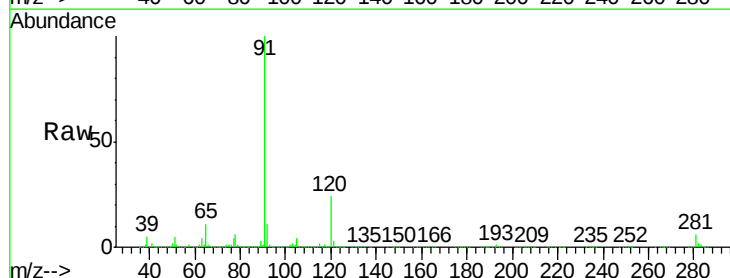
Manual Integrations
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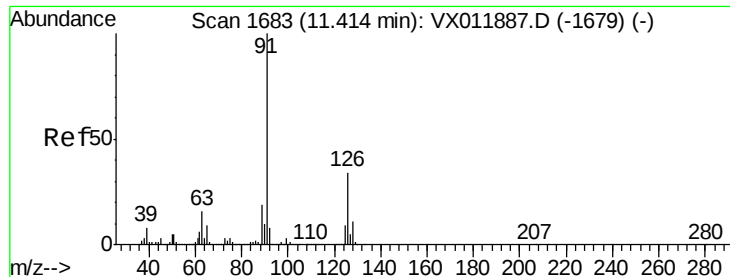
sam
9/3/2019 12:52:35 PM



#78
n-propylbenzene
Concen: 48.986 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.3	36.9





#79

2-Chlorotoluene

Concen: 49.896 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 501608

Ion Ratio Lower Upper

91 100

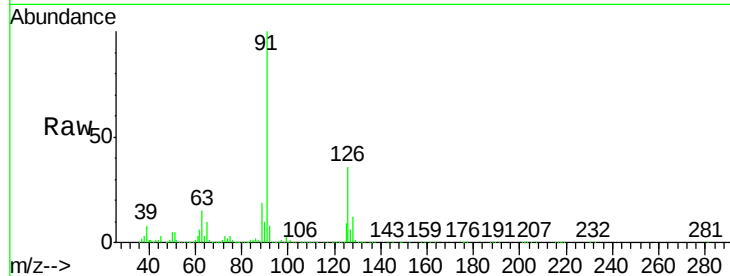
126 36.8 17.9 53.8

Manual Integrations

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

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

800000

600000

400000

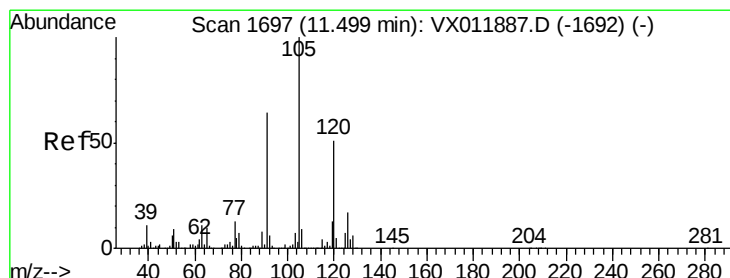
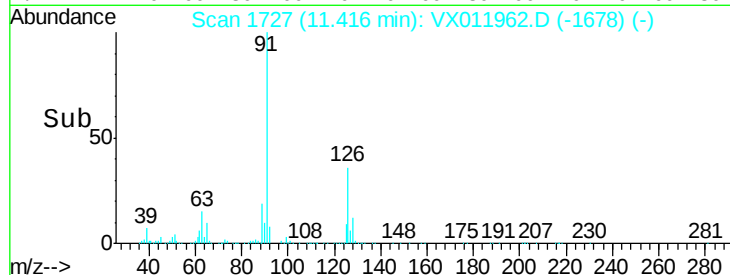
200000

0

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.040 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011962.D

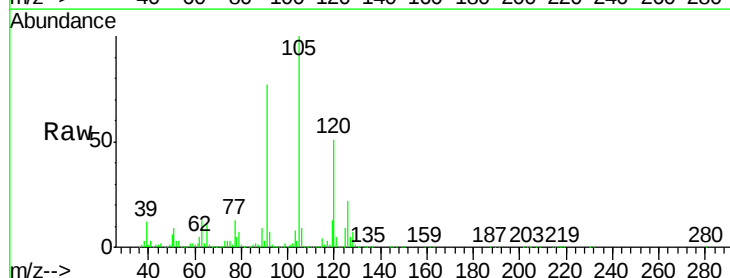
Acq: 31 Aug 2019 20:31

Tgt Ion: 105 Resp: 636153

Ion Ratio Lower Upper

105 100

120 50.8 25.3 75.9



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

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

600000

500000

400000

300000

200000

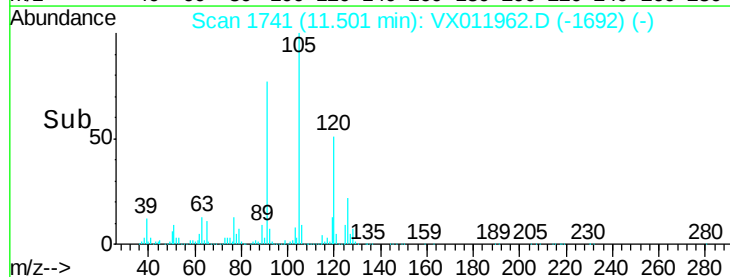
100000

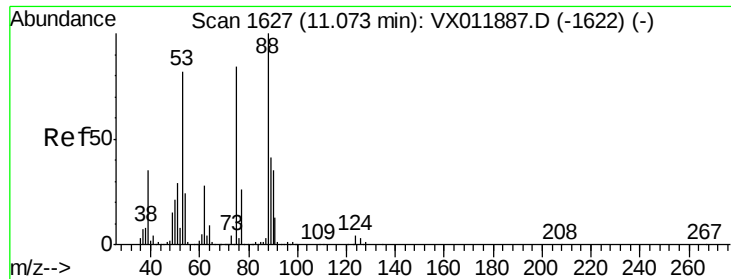
0

11.50

11.60

Time-->





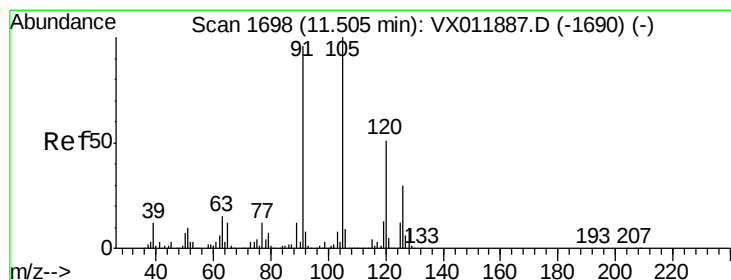
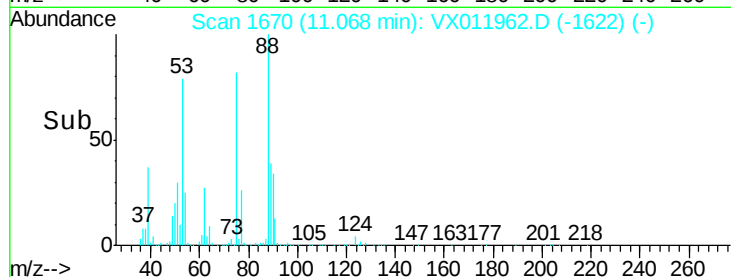
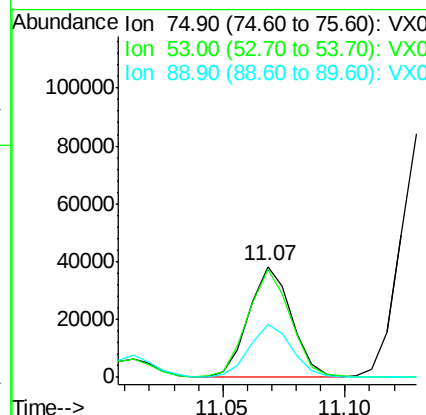
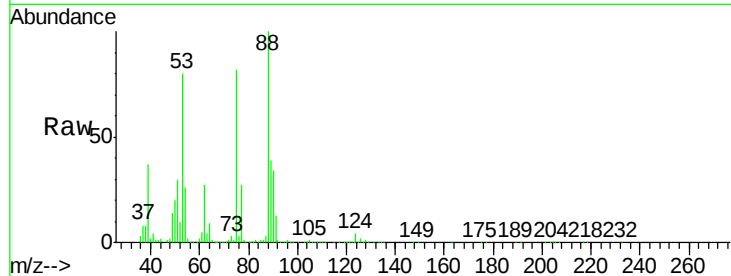
#81
trans-1,4-Dichloro-2-butene
Concen: 46.101 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.1	77.1	115.7
89	47.7	38.2	57.2

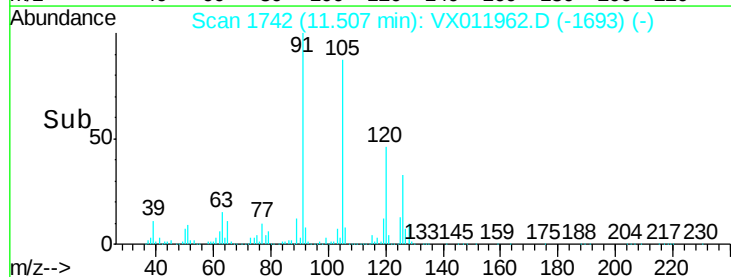
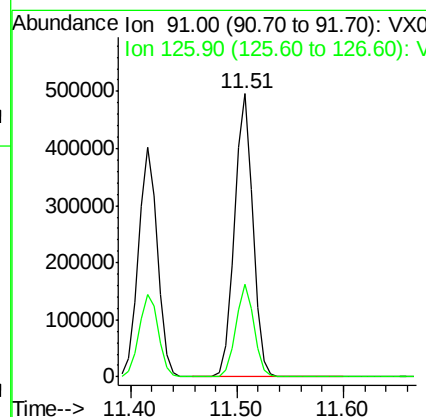
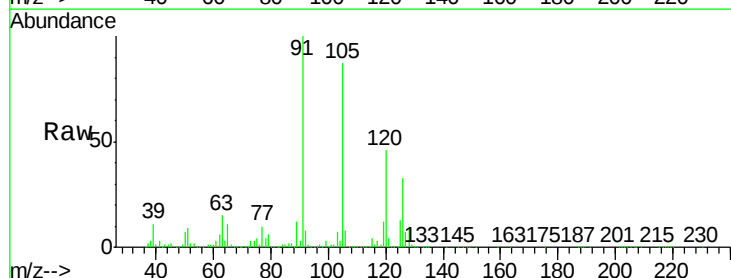
Manual Integrations
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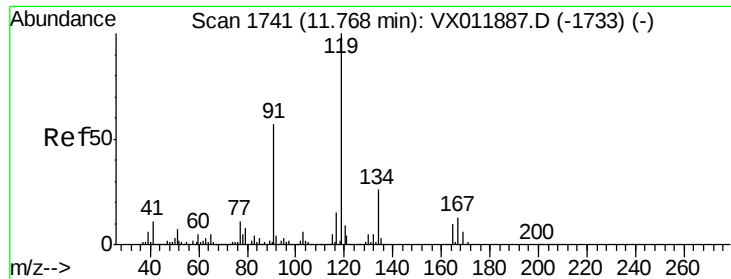
sam
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#82
4-Chlorotoluene
Concen: 49.578 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.9	47.6





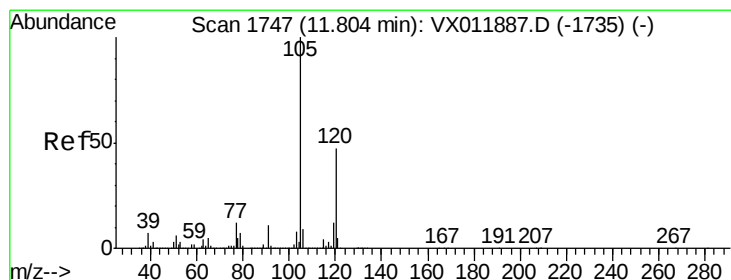
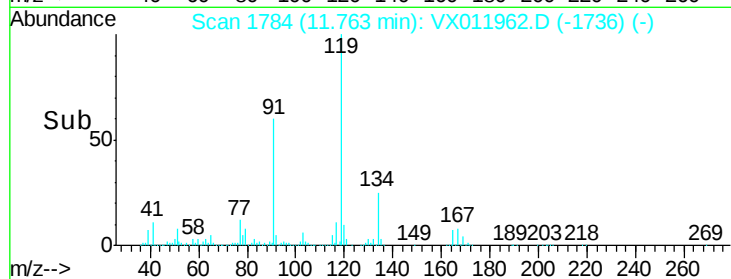
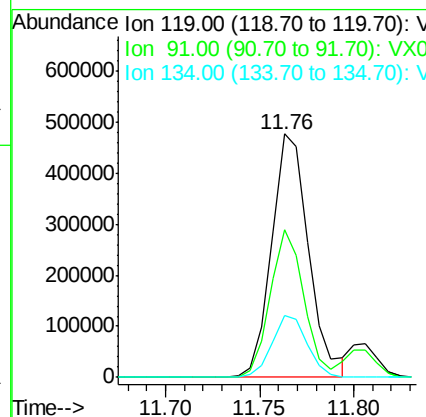
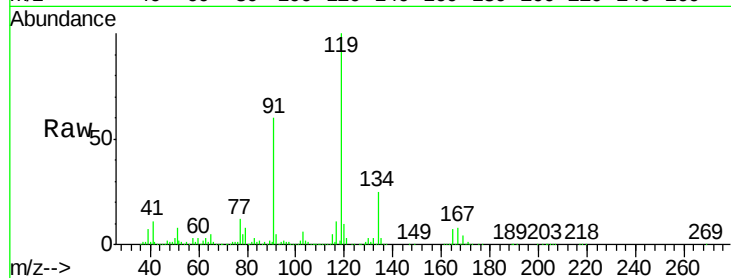
#83
tert-Butylbenzene
Concen: 50.391 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	650025		
91	54.9	27.9	83.6	
134	24.2	12.3	36.8	

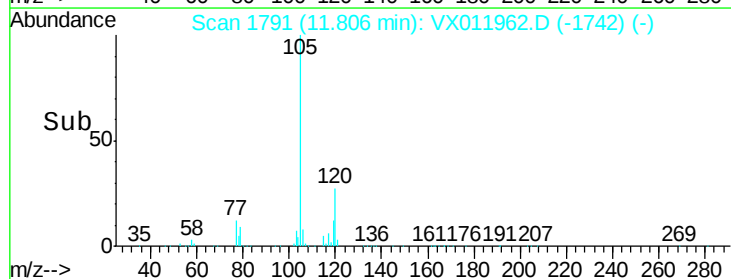
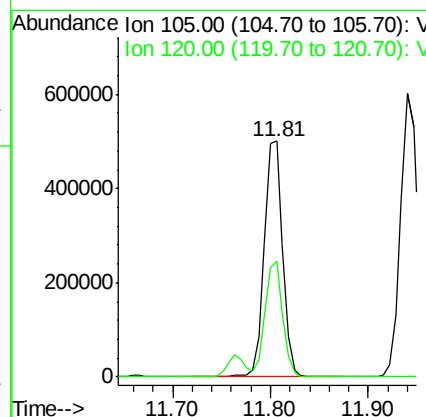
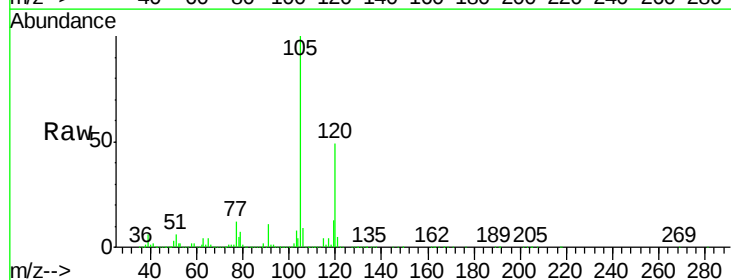
Manual Integrations
APPROVED

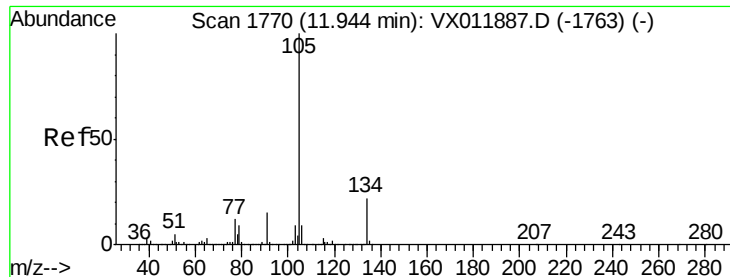
sam
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#84
1,2,4-Trimethylbenzene
Concen: 49.797 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	648786		
120	47.0	23.4	70.3	





#85

sec-Butylbenzene

Concen: 49.073 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 735281

Ion Ratio Lower Upper

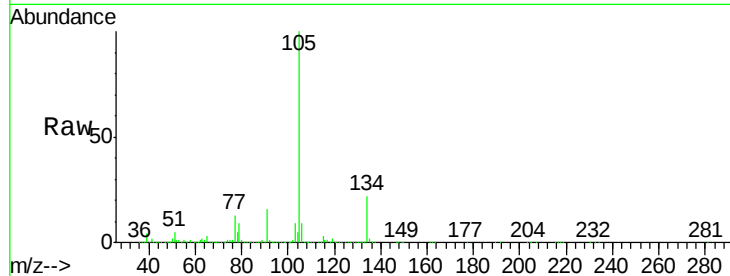
105 100

134 22.4 10.9 32.7

Manual Integrations
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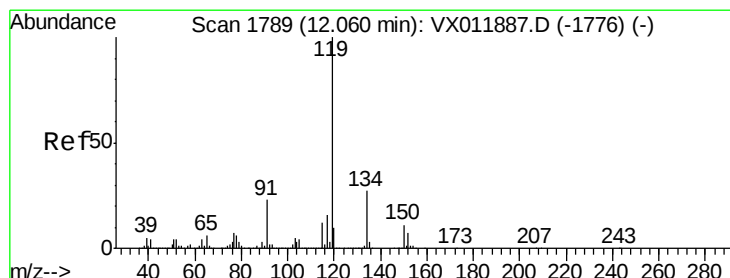
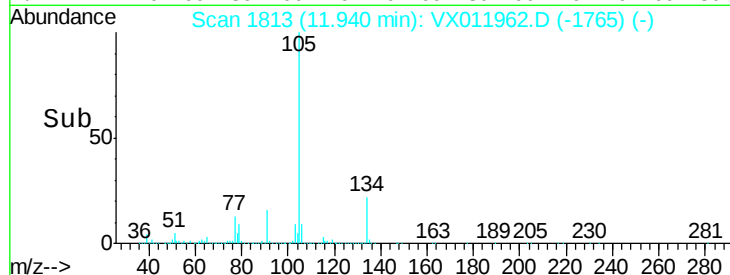
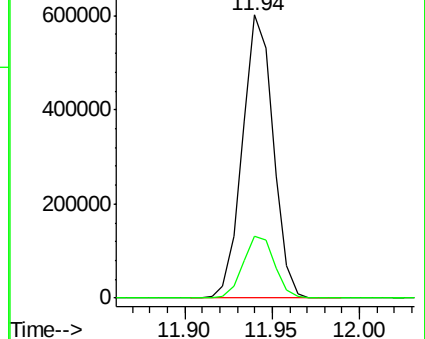
sam

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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: 49.574 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

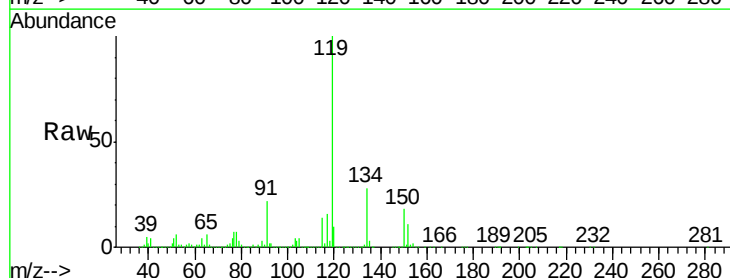
Tgt Ion:119 Resp: 720254

Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.0

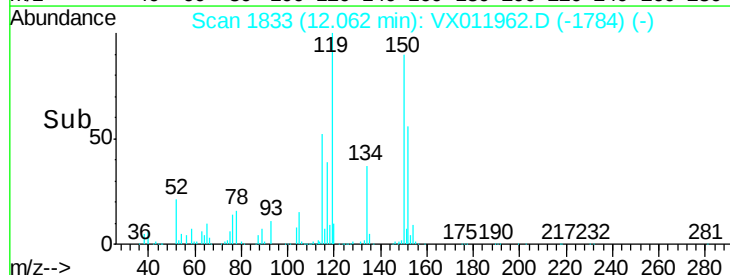
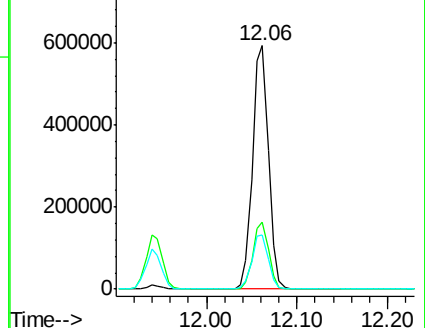
91 22.8 11.6 34.7

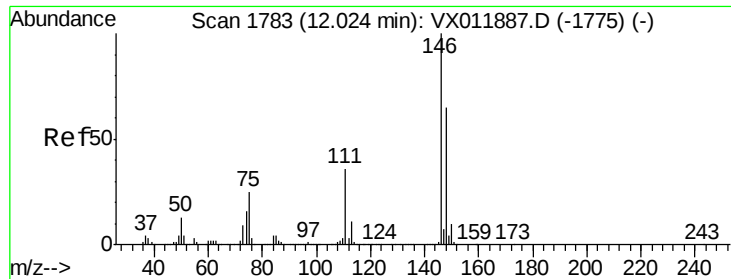


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





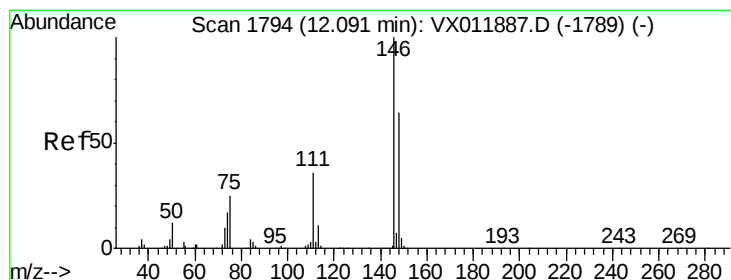
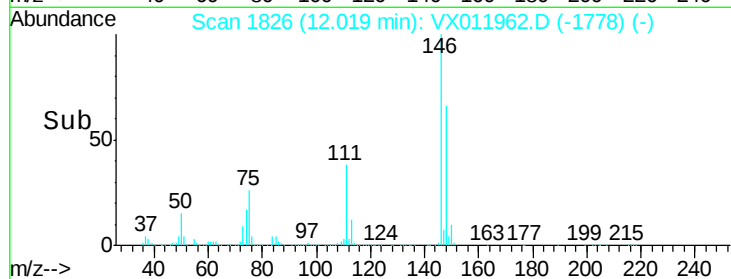
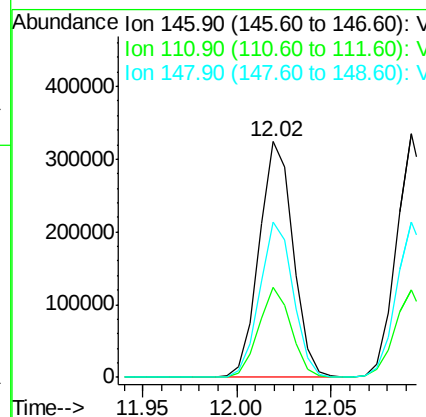
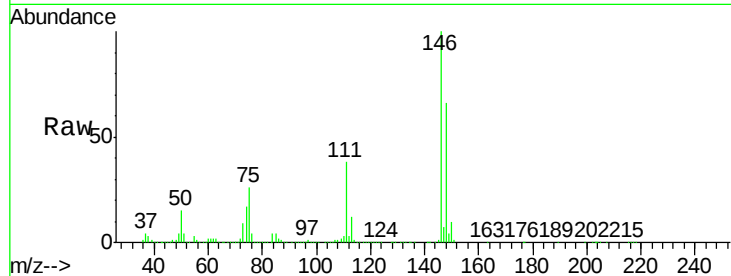
#87
 1,3-Dichlorobenzene
 Concen: 50.926 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX011962.D
 Acq: 31 Aug 2019 20:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.4	55.2
148	65.1	32.1	96.5

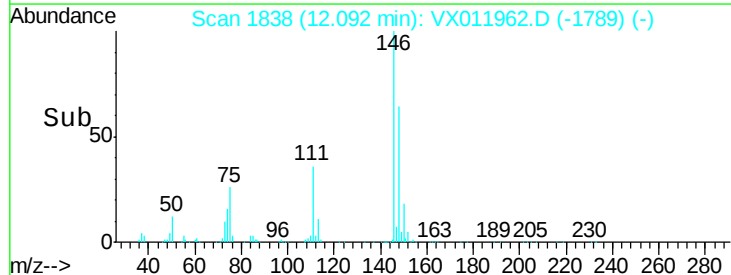
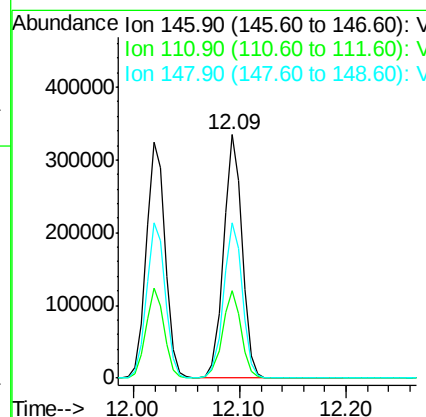
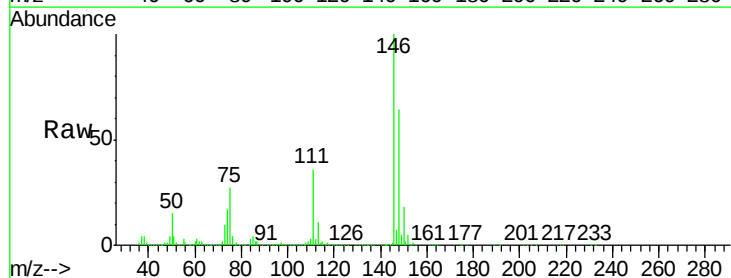
Manual Integrations
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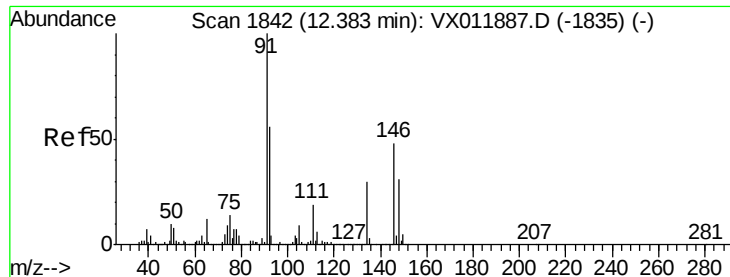
sam
 9/3/2019 12:52:35 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.349 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX011962.D
 Acq: 31 Aug 2019 20:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	17.9	53.7
148	64.6	32.4	97.0





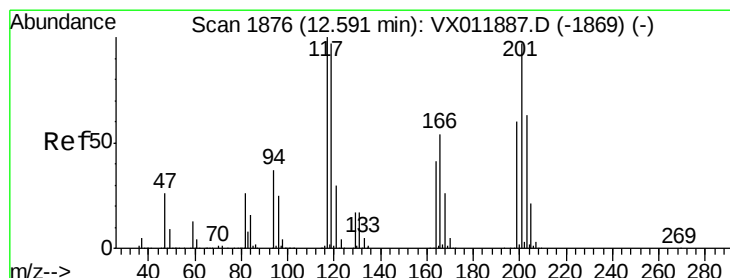
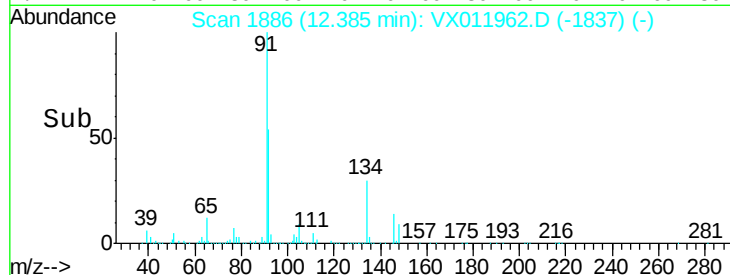
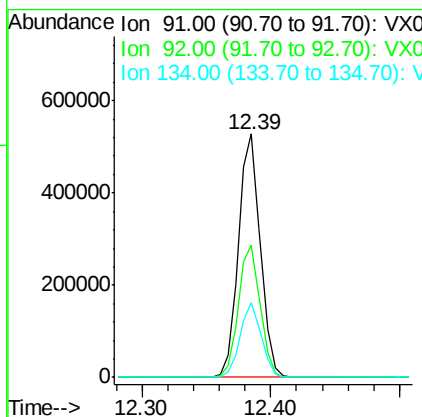
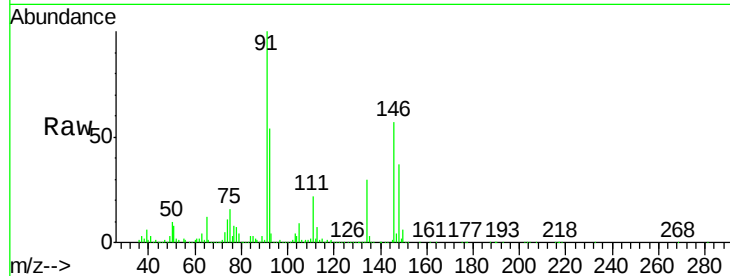
#89
n-Butylbenzene
Concen: 48.169 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.6	82.8
134	29.9	14.8	44.3

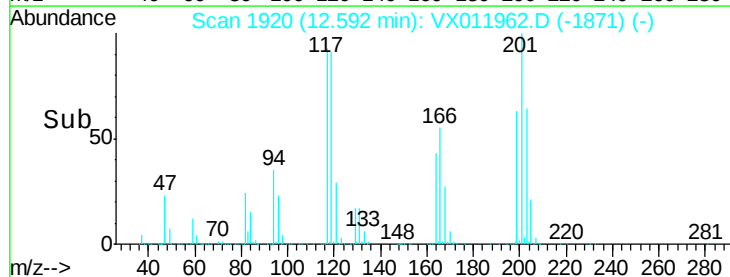
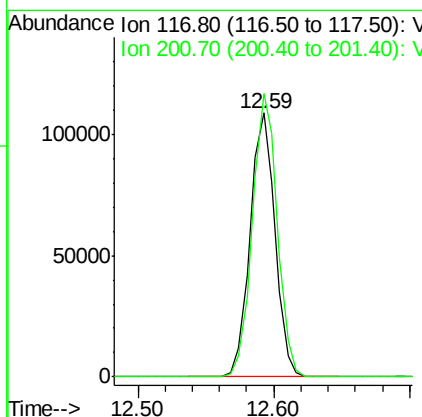
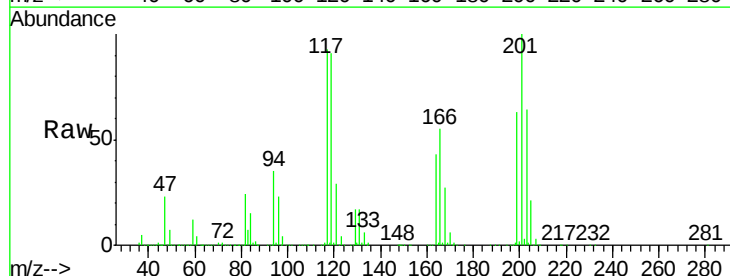
Manual Integrations
APPROVED

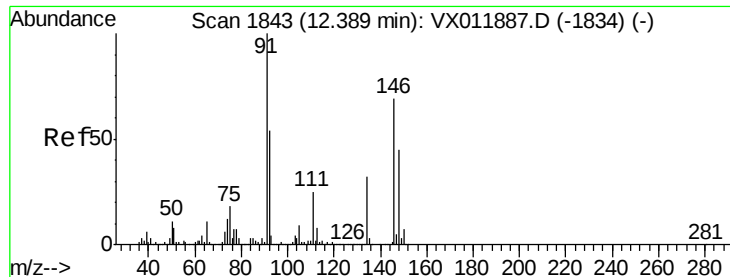
sam
9/3/2019 12:52:35 PM



#90
Hexachloroethane
Concen: 49.548 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX011962.D
Acq: 31 Aug 2019 20:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	107.9	52.8	158.5





#91

1,2-Dichlorobenzene

Concen: 51.467 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

Instrument :

MSVOA_X

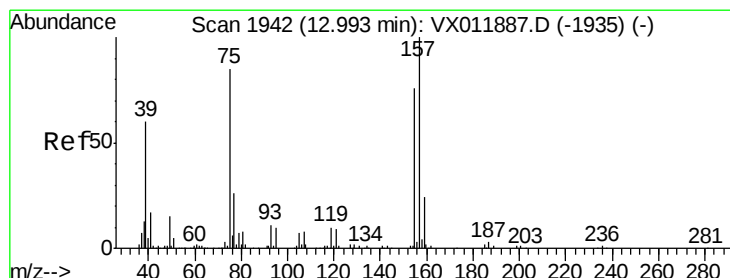
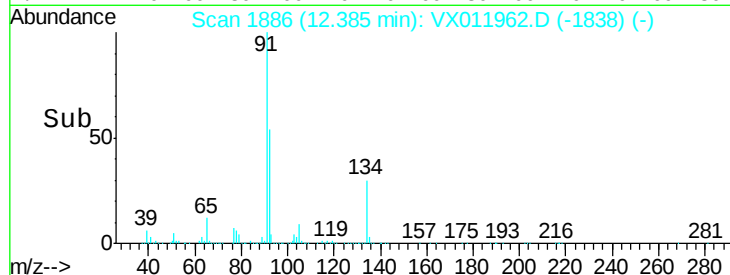
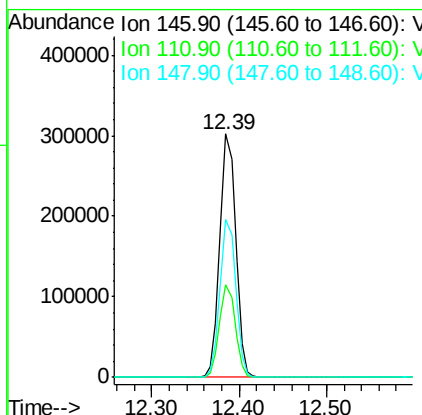
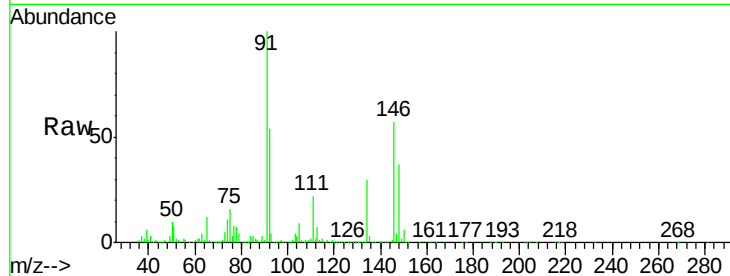
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	379874
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.9	56.5
148	64.6	32.1	96.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 49.842 ug/l

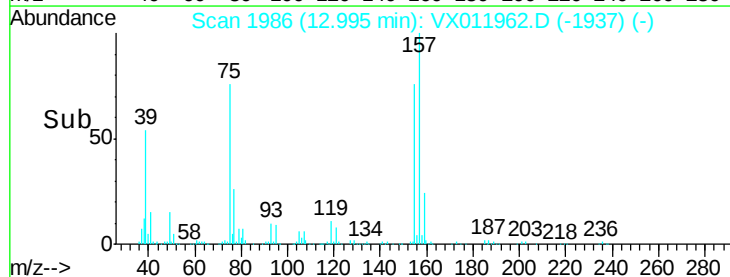
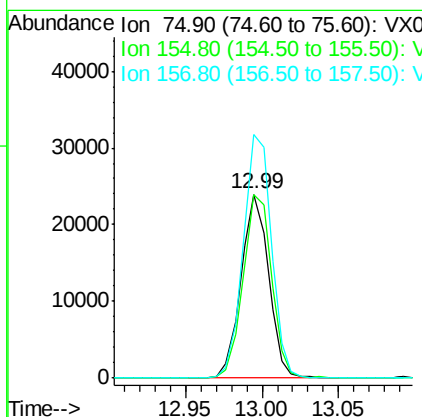
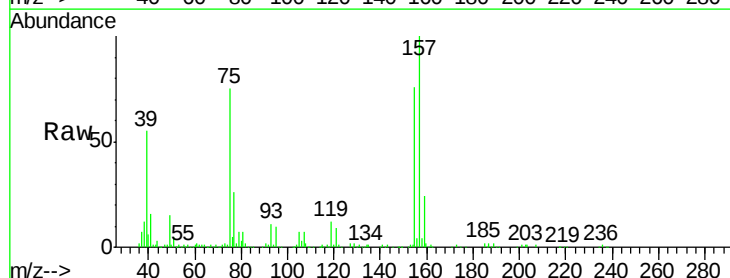
RT: 12.99 min Scan# 1986

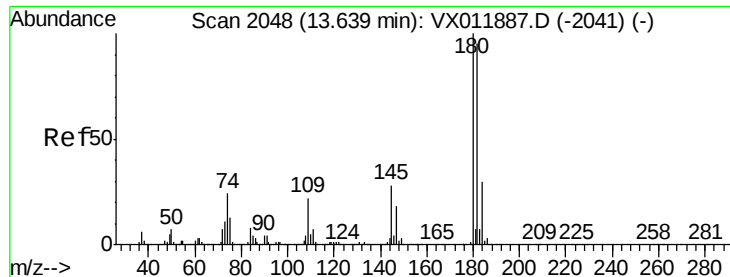
Delta R.T. 0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

Tgt Ion:	75	Resp:	29927
Ion Ratio	Lower	Upper	
75	100		
155	103.6	50.1	150.4
157	136.9	63.9	191.7





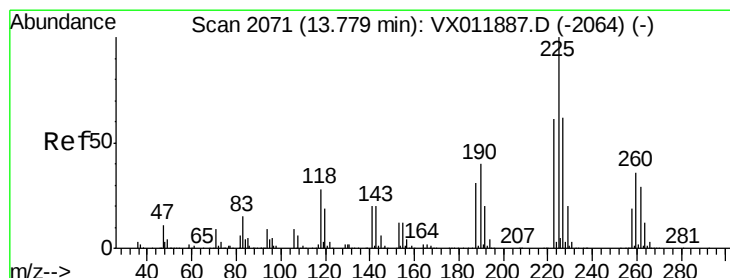
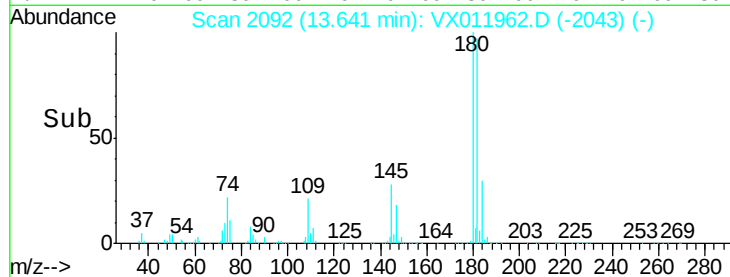
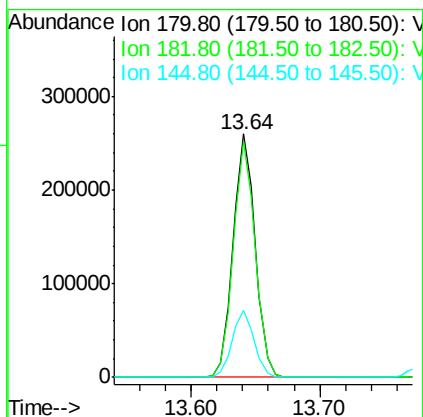
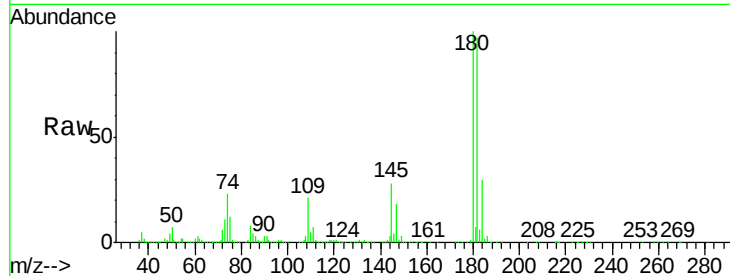
#93
 1,2,4-Trichlorobenzene
 Concen: 50.215 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX011962.D
 Acq: 31 Aug 2019 20:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.1	48.1	144.4	
145	27.4	13.8	41.3	

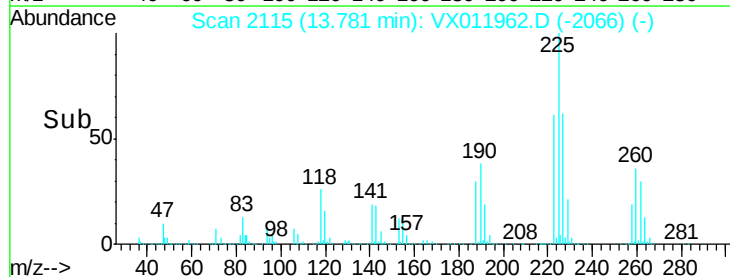
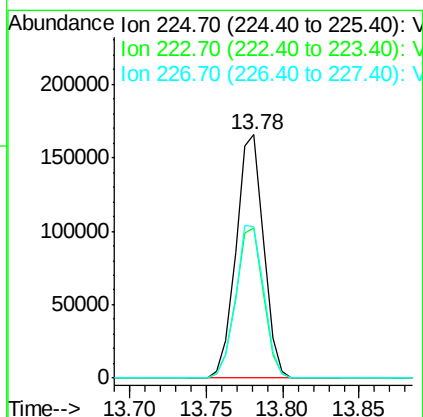
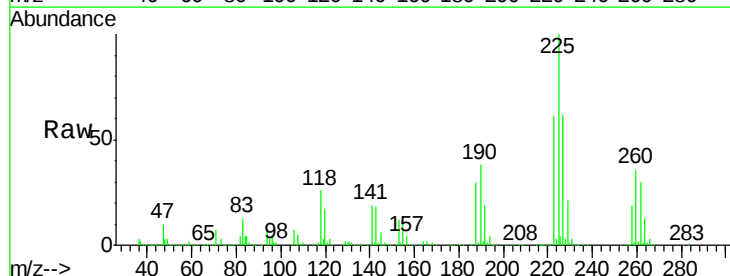
Manual Integrations
 APPROVED

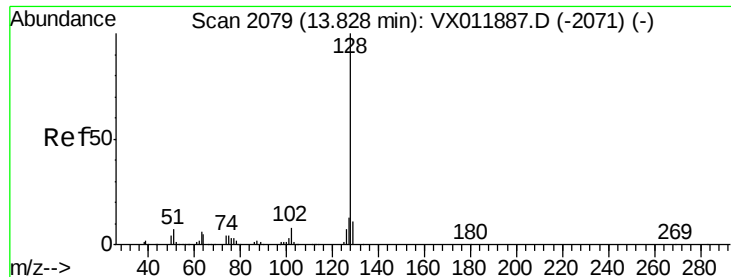
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#94
 Hexachlorobutadiene
 Concen: 49.637 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX011962.D
 Acq: 31 Aug 2019 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.1	30.8	92.3	
227	63.9	31.9	95.7	





#95

Naphthalene

Concen: 50.265 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

Instrument :

MSVOA_X

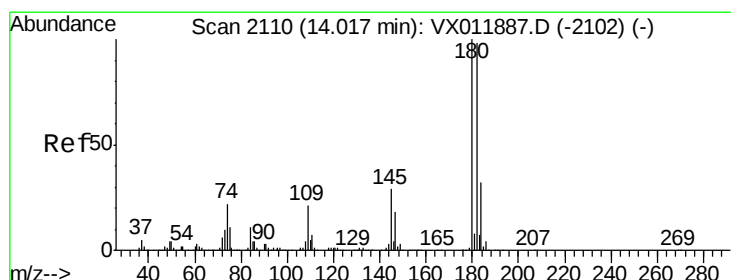
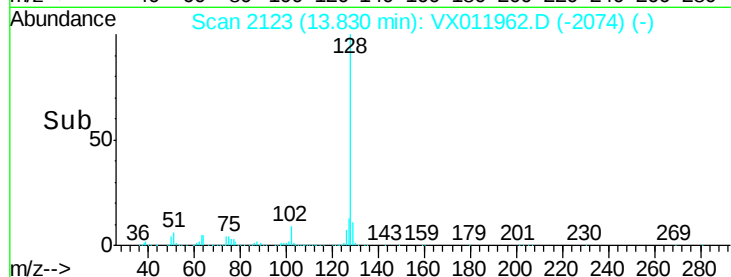
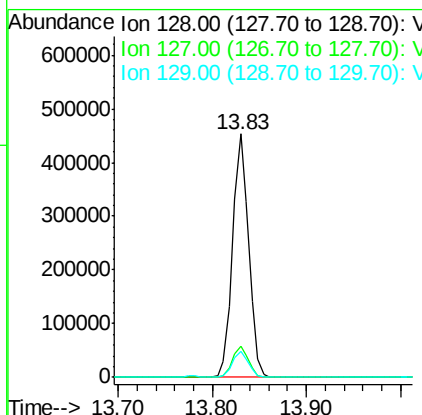
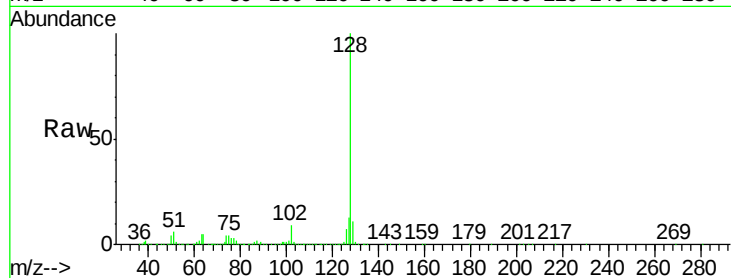
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	536137
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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#96

1,2,3-Trichlorobenzene

Concen: 50.660 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX011962.D

Acq: 31 Aug 2019 20:31

Tgt Ion:	180	Resp:	284713
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.3	144.8
145	29.0	14.6	43.8

