

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083119\
 Data File : VX011946.D
 Acq On : 31 Aug 2019 13:04
 Operator : SY/SP
 Sample : VX0831SBS01
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS01

Manual Integrations
 APPROVED

sam
 9/3/2019 12:52:25 PM

Quant Time: Sep 01 02:26:38 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	342012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	466825	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	438035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	263797	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	164689	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
35) Dibromofluoromethane	5.48	113	154937	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
50) Toluene-d8	8.71	98	562420	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
62) 4-Bromofluorobenzene	11.14	95	236036	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	46938	22.739	ug/l	99
3) Chloromethane	1.31	50	47560	19.875	ug/l	100
4) Vinyl Chloride	1.40	62	45977	20.121	ug/l	100
5) Bromomethane	1.62	94	31853	20.147	ug/l	99
6) Chloroethane	1.70	64	28503	20.043	ug/l	98
7) Trichlorofluoromethane	1.91	101	83837	21.126	ug/l	98
8) Diethyl Ether	2.17	74	26291	19.278	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	53797	20.800	ug/l	99
10) Methyl Iodide	2.50	142	43711	18.018	ug/l	100
11) Tert butyl alcohol	3.03	59	32517	103.146	ug/l	100
12) 1,1-Dichloroethene	2.36	96	48685	20.268	ug/l	97
13) Acrolein	2.28	56	15085	96.140	ug/l	97
14) Allyl chloride	2.72	41	87603	19.441	ug/l	99
15) Acrylonitrile	3.13	53	73967	98.739	ug/l	100
16) Acetone	2.43	43	65897	93.467	ug/l	97
17) Carbon Disulfide	2.55	76	125596	18.229	ug/l	99
18) Methyl Acetate	2.76	43	36588	18.747	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	158225	20.332	ug/l	99
20) Methylene Chloride	2.84	84	61316	17.156	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	56448	19.949	ug/l	98
22) Diisopropyl ether	3.84	45	183462	19.944	ug/l	94
23) Vinyl Acetate	3.80	43	578313	97.783	ug/l	98
24) 1,1-Dichloroethane	3.68	63	102543	20.215	ug/l	99
25) 2-Butanone	4.66	43	99703	97.096	ug/l	98
26) 2,2-Dichloropropane	4.57	77	88659	20.838	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	69317	20.797	ug/l	98
28) Bromochloromethane	5.00	49	43764	19.227	ug/l	98
29) Tetrahydrofuran	5.12	42	63007	98.306	ug/l	98
30) Chloroform	5.19	83	110700	20.410	ug/l	99
31) Cyclohexane	5.56	56	81809	19.994	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	100909	20.944	ug/l	100
36) 1,1-Dichloropropene	5.78	75	75477	20.408	ug/l	99
37) Ethyl Acetate	4.82	43	44778	20.454	ug/l	98
38) Carbon Tetrachloride	5.77	117	91459	21.323	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083119\
 Data File : VX011946.D
 Acq On : 31 Aug 2019 13:04
 Operator : SY/SP
 Sample : VX0831SBSD01
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0831SBSD01

Manual Integrations
 APPROVED

sam
 9/3/2019 12:52:25 PM

Quant Time: Sep 01 02:26:38 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)
39) Methylcyclohexane	7.45	83	91179	20.698	ug/l	98
40) Benzene	6.13	78	226263	20.496	ug/l	98
41) Methacrylonitrile	5.03	41	25187	19.540	ug/l	95
42) 1,2-Dichloroethane	6.18	62	78728	20.971	ug/l	100
43) Isopropyl Acetate	6.43	43	88329	19.901	ug/l	99
44) Trichloroethene	7.20	130	70922	20.764	ug/l	97
45) 1,2-Dichloropropane	7.50	63	58755	20.347	ug/l	100
46) Dibromomethane	7.65	93	34829	20.323	ug/l	98
47) Bromodichloromethane	7.89	83	88232	20.762	ug/l	98
48) Methyl methacrylate	7.76	41	42385	19.626	ug/l	98
49) 1,4-Dioxane	7.73	88	12555	422.762	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	227223	100.773	ug/l	99
52) Toluene	8.78	92	151733	20.776	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	88274	20.279	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	98168	20.090	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	51110	20.371	ug/l	99
56) Ethyl methacrylate	9.17	69	69384	19.926	ug/l	98
57) 1,3-Dichloropropane	9.37	76	85139	20.445	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	160628	96.853	ug/l	97
59) 2-Hexanone	9.48	43	159945	99.861	ug/l	99
60) Dibromochloromethane	9.57	129	70296	20.861	ug/l	98
61) 1,2-Dibromoethane	9.67	107	51341	20.640	ug/l	100
64) Tetrachloroethene	9.33	164	75233	21.352	ug/l	99
65) Chlorobenzene	10.14	112	179209	21.112	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	72334	21.072	ug/l	99
67) Ethyl Benzene	10.25	91	304471	21.087	ug/l	99
68) m/p-Xylenes	10.35	106	235807	42.294	ug/l	100
69) o-Xylene	10.70	106	115828	21.319	ug/l	99
70) Styrene	10.71	104	201795	21.072	ug/l	99
71) Bromoform	10.85	173	49779	20.509	ug/l #	99
73) Isopropylbenzene	11.01	105	312775	20.635	ug/l	100
74) N-amyl acetate	10.89	43	88038	19.572	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.26	83	62210	20.055	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	53880m	20.763	ug/l	
77) Bromobenzene	11.25	156	89945	20.461	ug/l	99
78) n-propylbenzene	11.35	91	354775	20.641	ug/l	99
79) 2-Chlorotoluene	11.42	91	213434	20.630	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	271505	20.753	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19473	18.852	ug/l	98
82) 4-Chlorotoluene	11.51	91	257026	20.593	ug/l	100
83) tert-Butylbenzene	11.76	119	278891	21.008	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	273855	20.425	ug/l	100
85) sec-Butylbenzene	11.94	105	322220	20.897	ug/l	100
86) p-Isopropyltoluene	12.06	119	310473	20.765	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	169552	20.753	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	172276	20.859	ug/l	99
89) n-Butylbenzene	12.39	91	271798	20.547	ug/l	99
90) Hexachloroethane	12.59	117	58268	20.144	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	158710	20.894	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	12646	20.466	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083119\
Data File : VX011946.D
Acq On : 31 Aug 2019 13:04
Operator : SY/SP
Sample : VX0831SBSD01
Misc : 5.00g/5.0mL/MSVOA X/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBSD01

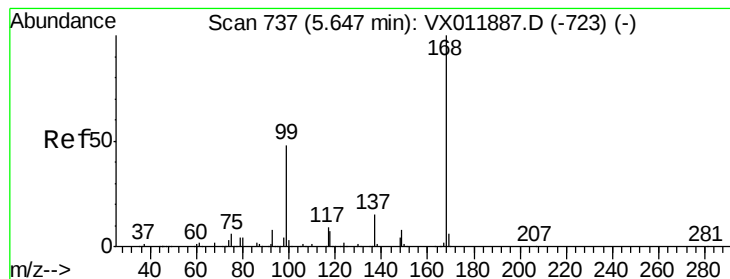
Manual Integrations
APPROVED

sam
9/3/2019 12:52:25 PM

Quant Time: Sep 01 02:26:38 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)
93) 1,2,4-Trichlorobenzene	13.64	180	131568	20.571	ug/l	99
94) Hexachlorobutadiene	13.78	225	88065	20.618	ug/l	99
95) Naphthalene	13.83	128	222074	20.231	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	119010	20.577	ug/l	99

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



#1

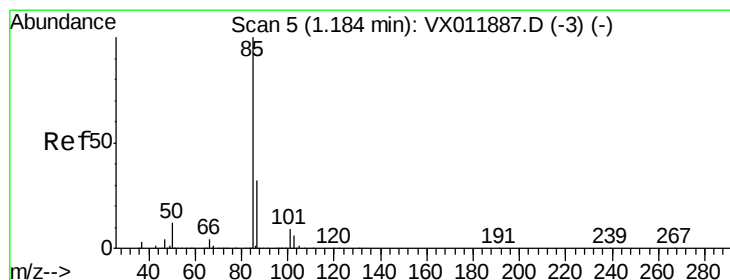
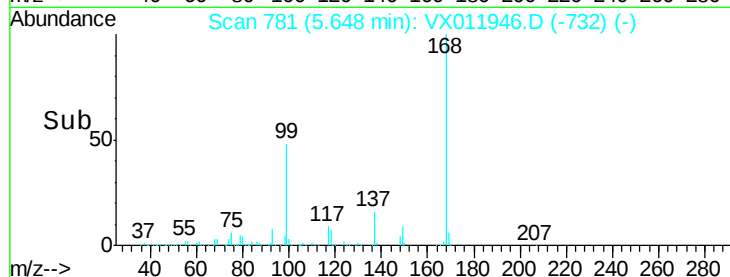
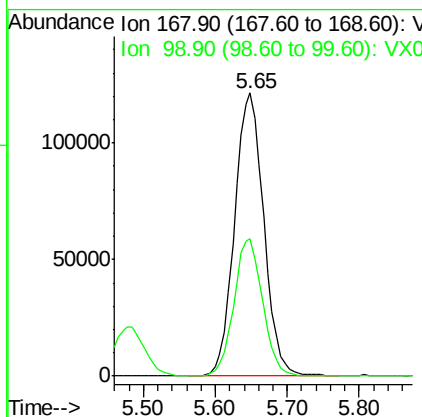
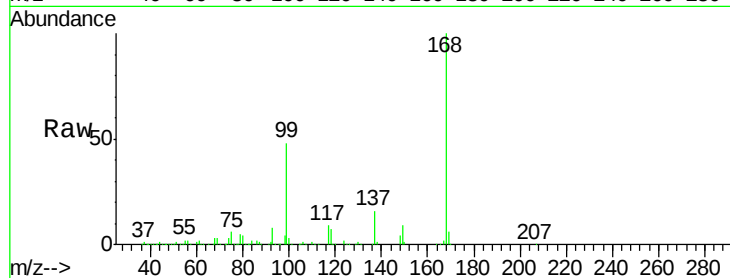
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: VX011946.D
 Acq: 31 Aug 2019 13:04

Instrument :
 MSVOA_X
 ClientSampled :
 VX0831SBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.2	38.4	57.6

Manual Integrations
 APPROVED

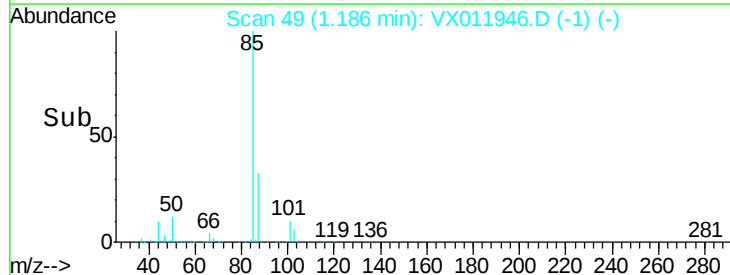
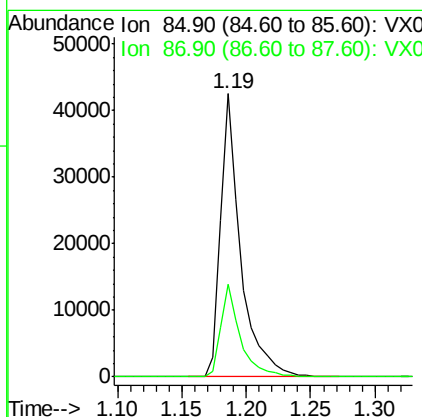
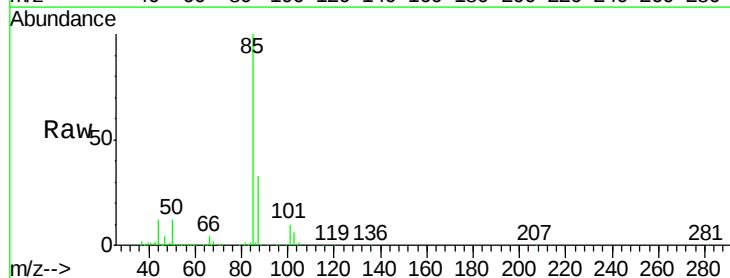
sam
 9/3/2019 12:52:25 PM

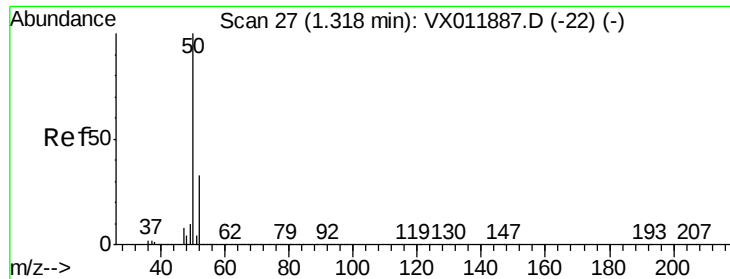


#2

Dichlorodifluoromethane
 Concen: 22.739 ug/l
 RT: 1.19 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VX011946.D
 Acq: 31 Aug 2019 13:04

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.1	48.3





#3

Chloromethane

Concen: 19.875 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS01

Tot Ion: 50 Resp: 47560

Ion Ratio Lower Upper

50 100

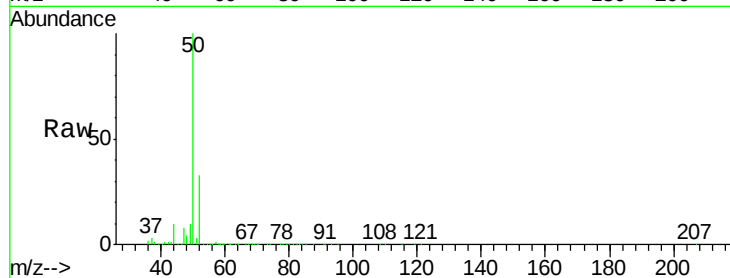
52 32.4 26.0 39.0

Manual Integrations

APPROVED

sam

9/3/2019 12:52:25 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

40000

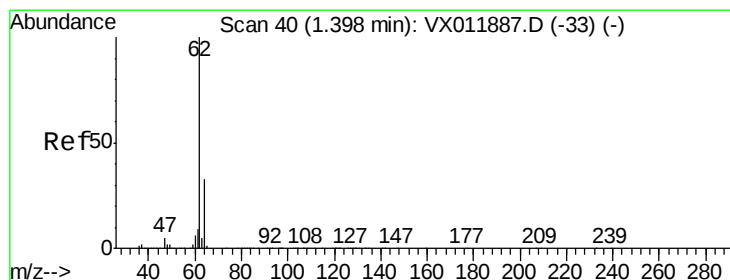
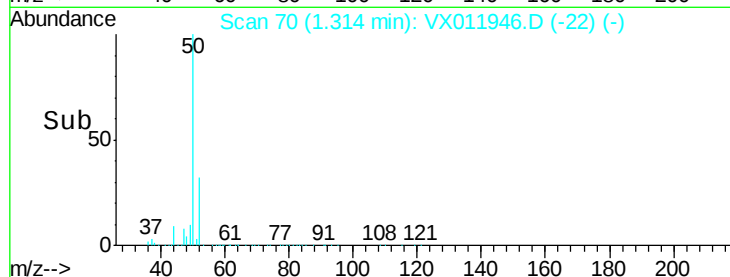
30000

20000

10000

0

Time--> 1.25 1.30 1.35



#4

Vinyl Chloride

Concen: 20.121 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX011946.D

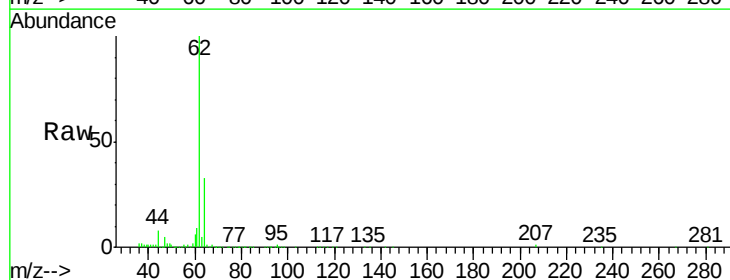
Acq: 31 Aug 2019 13:04

Tgt Ion: 62 Resp: 45977

Ion Ratio Lower Upper

62 100

64 32.7 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

40000

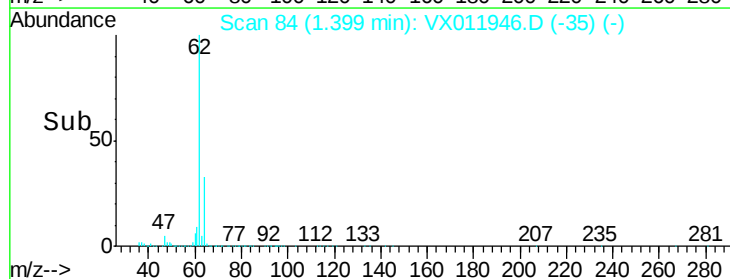
30000

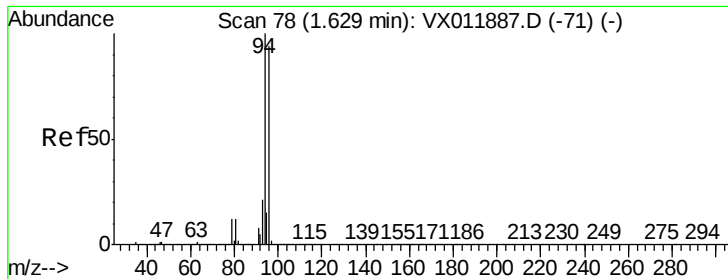
20000

10000

0

Time--> 1.30 1.40 1.50





#5

Bromomethane

Concen: 20.147 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBSD01

Tot Ion: 94 Resp: 31853

Ion Ratio Lower Upper

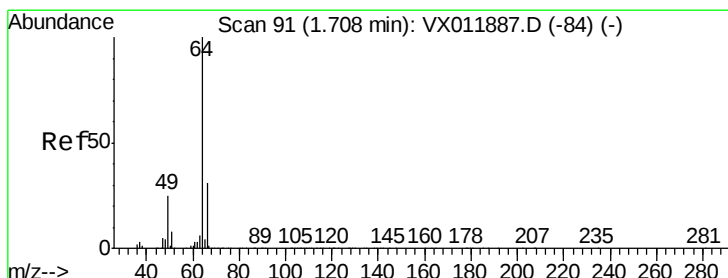
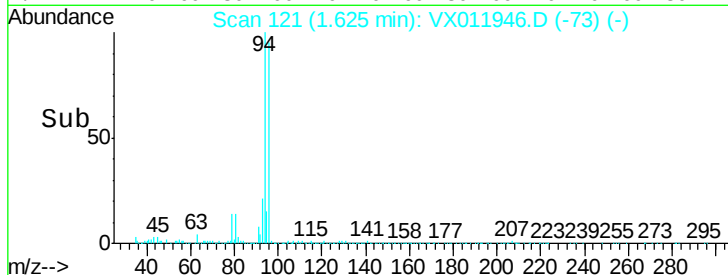
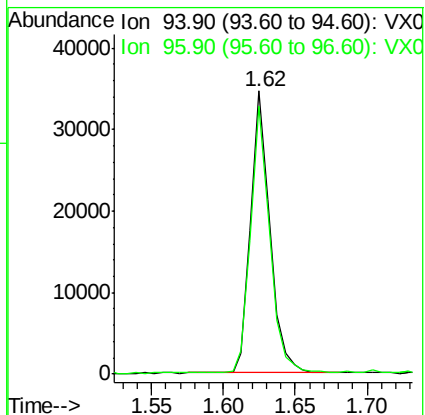
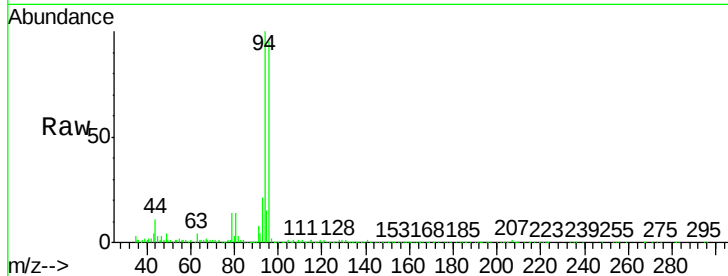
94 100

96 94.6 75.0 112.6

Manual Integrations
APPROVED

sam

9/3/2019 12:52:25 PM



#6

Chloroethane

Concen: 20.043 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX011946.D

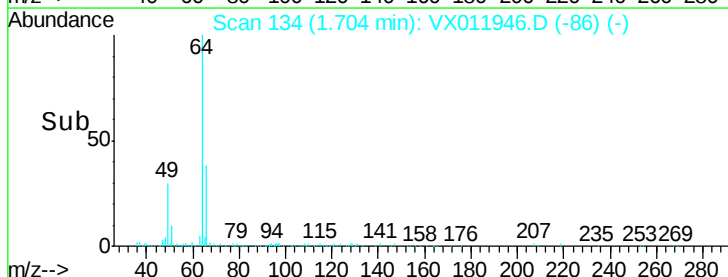
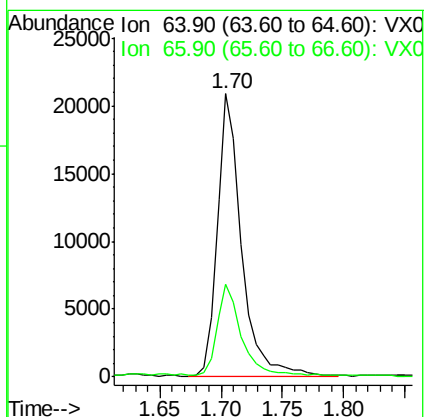
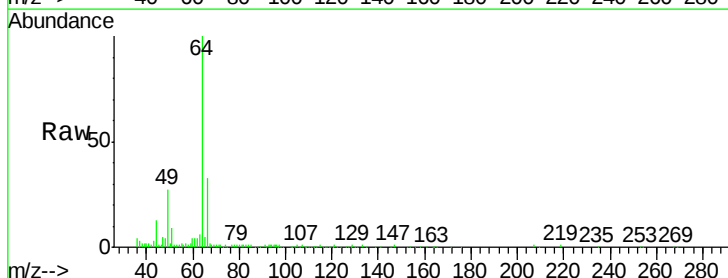
Acq: 31 Aug 2019 13:04

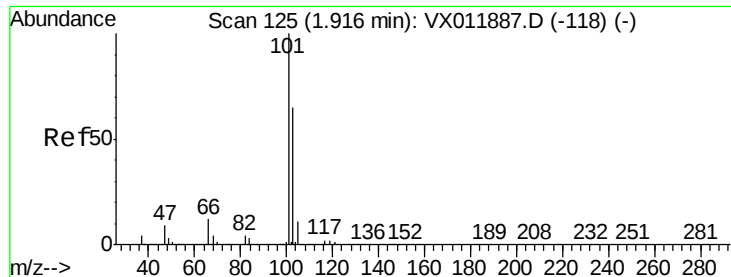
Tgt Ion: 64 Resp: 28503

Ion Ratio Lower Upper

64 100

66 32.4 25.0 37.4





#7

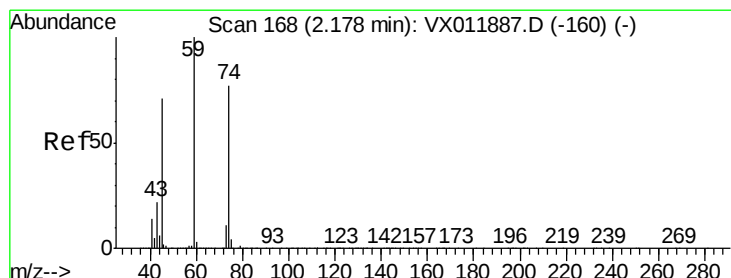
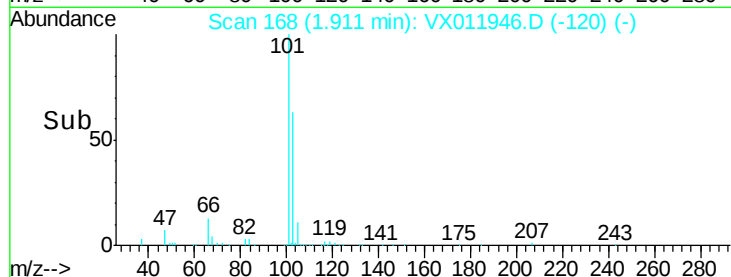
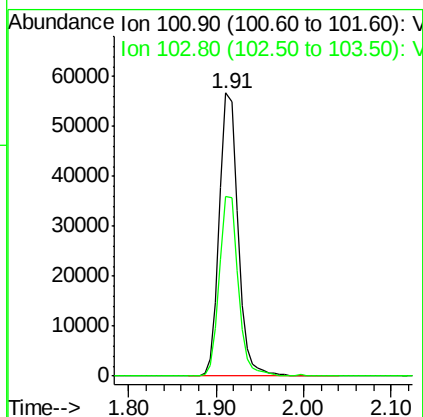
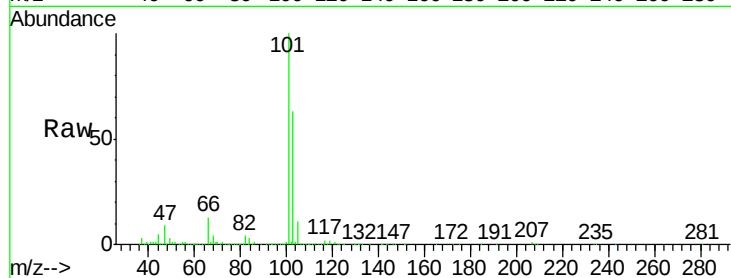
Trichlorofluoromethane
Concen: 21.126 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS01

Tot Ion:101 Resp: 83837
Ion Ratio Lower Upper
101 100
103 63.2 51.6 77.4

Manual Integrations
APPROVED

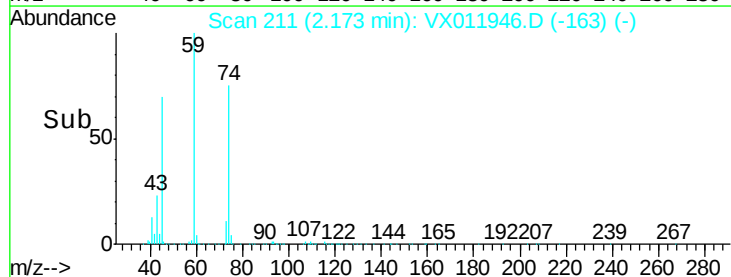
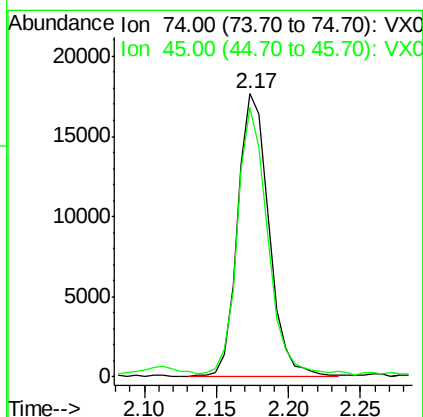
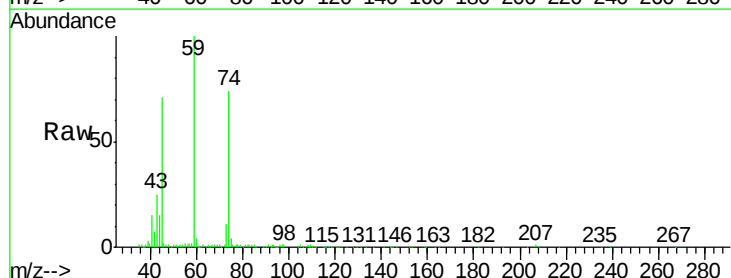
sam
9/3/2019 12:52:25 PM

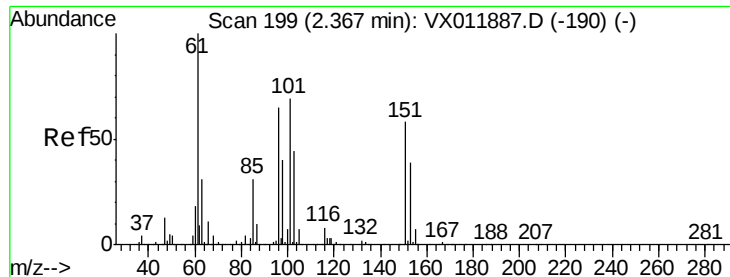


#8

Diethyl Ether
Concen: 19.278 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Tgt Ion: 74 Resp: 26291
Ion Ratio Lower Upper
74 100
45 90.7 46.7 140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.800 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

Instrument :

MSVOA_X

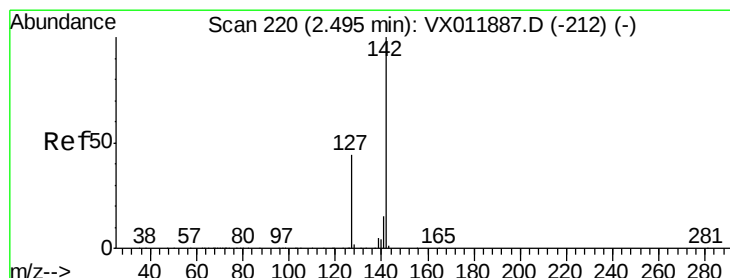
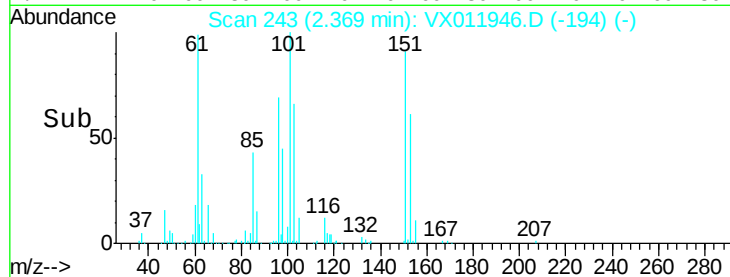
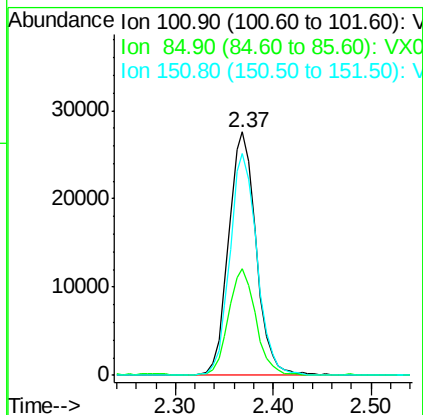
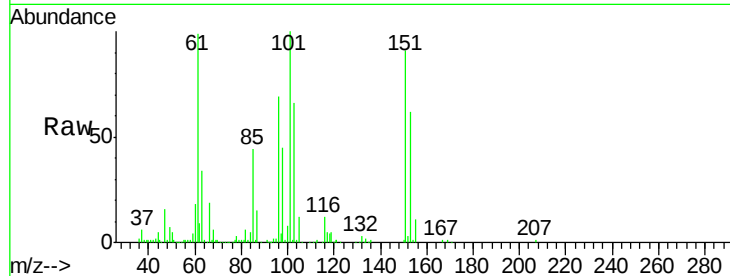
ClientSampled :

VX0831SBS01

Tot Ion:	101	Resp:	53797
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.9	52.3
151	90.0	70.9	106.3

Manual Integrations
APPROVED

sam
9/3/2019 12:52:25 PM



#10

Methyl Iodide

Concen: 18.018 ug/l

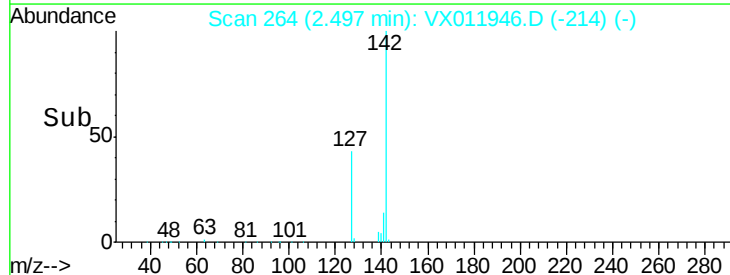
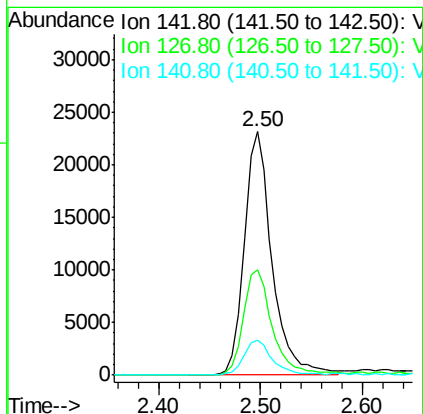
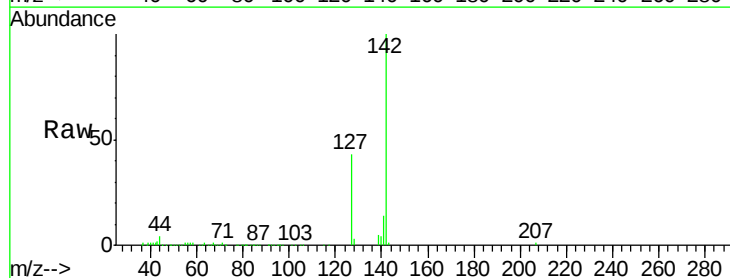
RT: 2.50 min Scan# 264

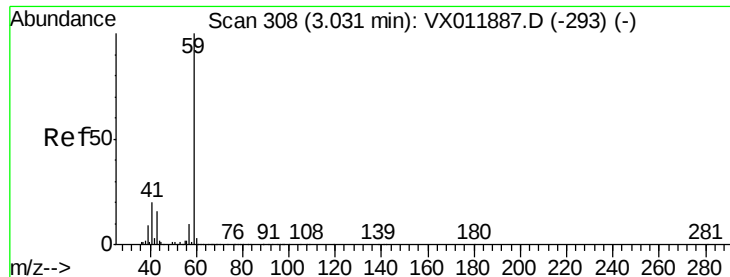
Delta R.T. 0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

Tgt Ion:	142	Resp:	43711
Ion Ratio	Lower	Upper	
142	100		
127	44.8	35.7	53.5
141	15.0	11.8	17.6





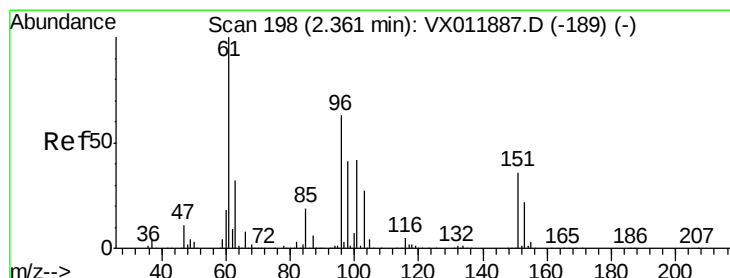
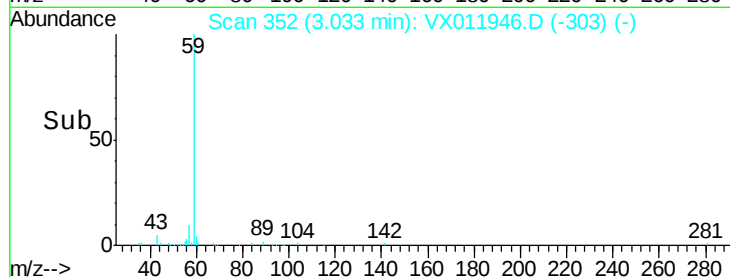
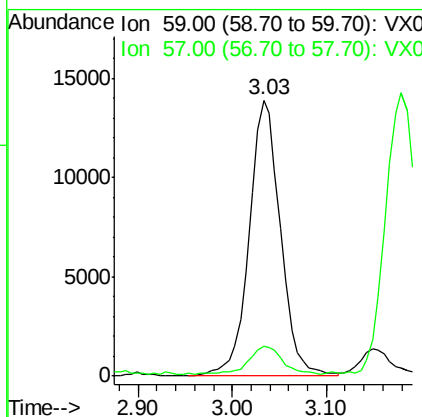
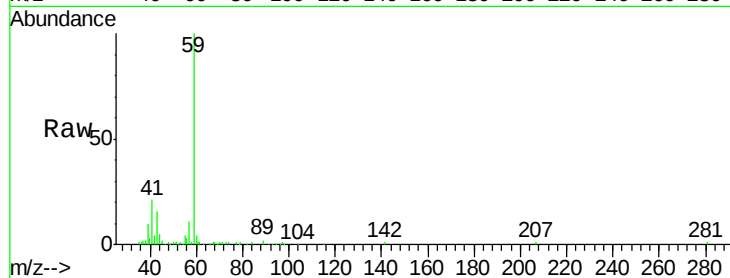
#11
Tert butyl alcohol
Concen: 103.146 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	12.8

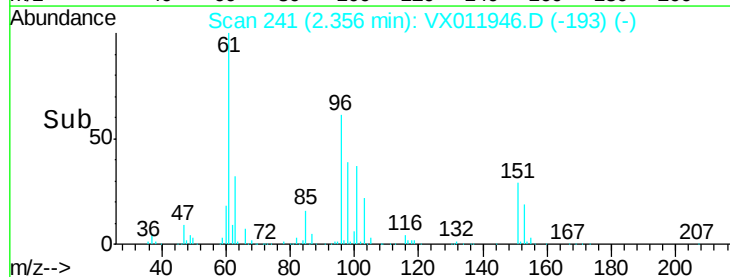
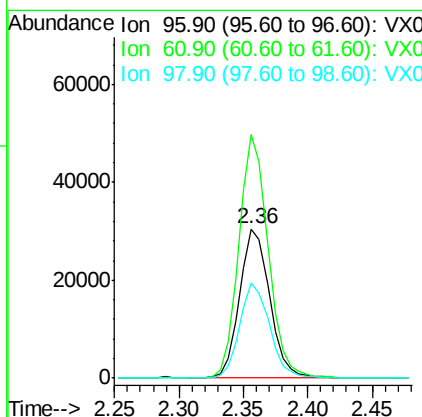
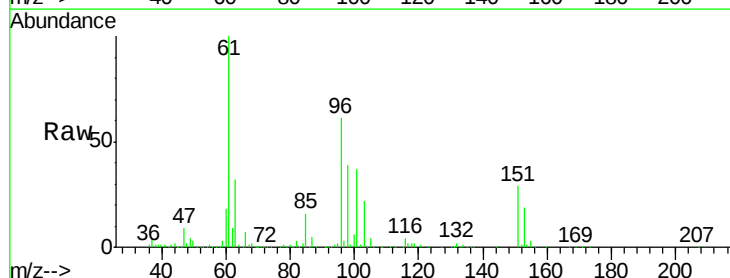
Manual Integrations
APPROVED

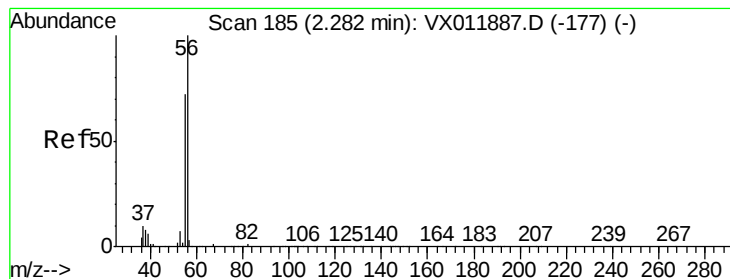
sam
9/3/2019 12:52:25 PM



#12
1,1-Dichloroethene
Concen: 20.268 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.9	126.6	190.0
98	63.8	51.6	77.4





#13

Acrolein

Concen: 96.140 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBSD01

Tot Ion: 56 Resp: 15085

Ion Ratio Lower Upper

56 100

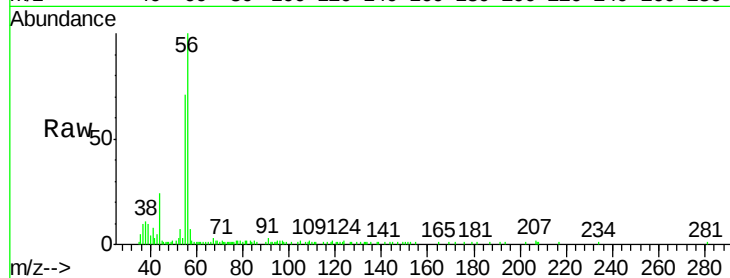
55 70.5 58.6 88.0

Manual Integrations

APPROVED

sam

9/3/2019 12:52:25 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

10000

8000

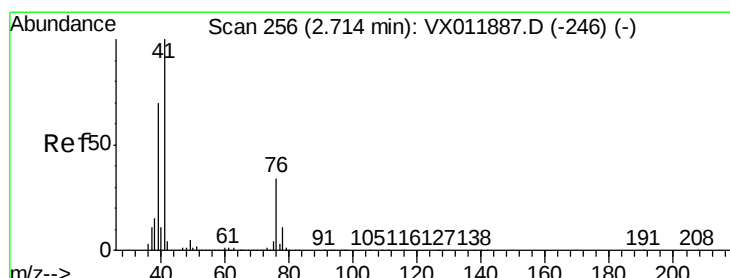
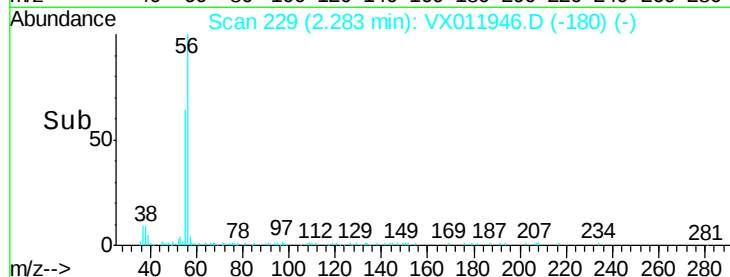
6000

4000

2000

0

Time--> 2.20 2.25 2.30 2.35



#14

Allyl chloride

Concen: 19.441 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

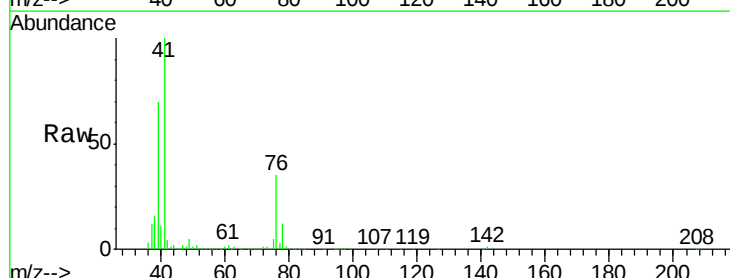
Tgt Ion: 41 Resp: 87603

Ion Ratio Lower Upper

41 100

39 69.6 55.0 82.6

76 34.8 27.0 40.4



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

60000

50000

40000

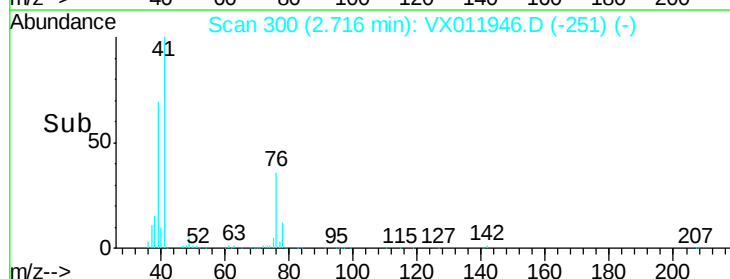
30000

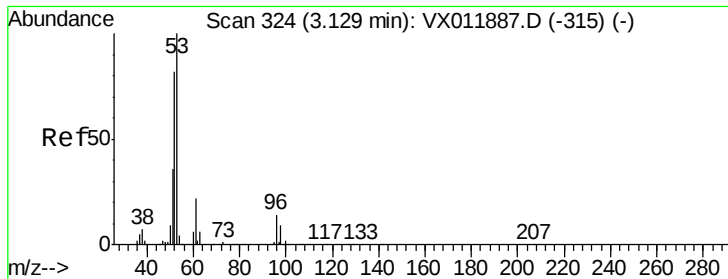
20000

10000

0

Time--> 2.60 2.70 2.80





#15

Acrylonitrile

Concen: 98.739 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

Instrument :

MSVOA_X

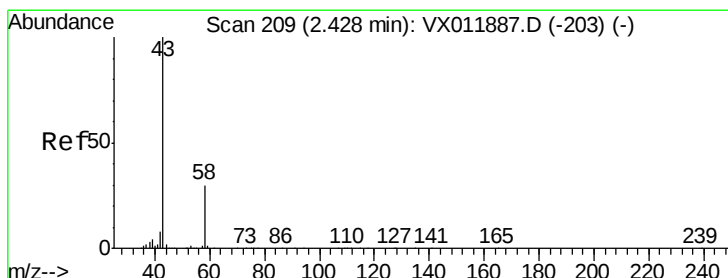
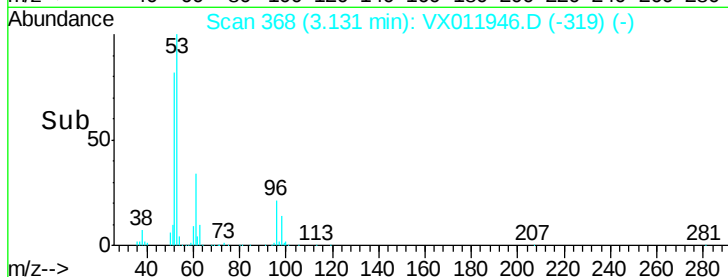
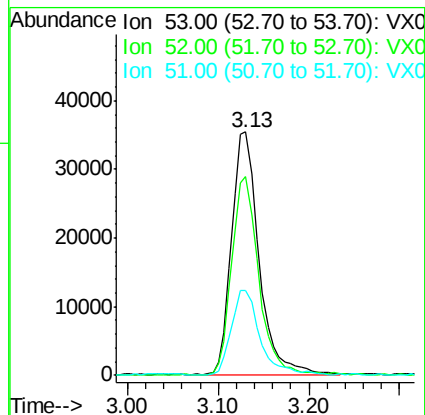
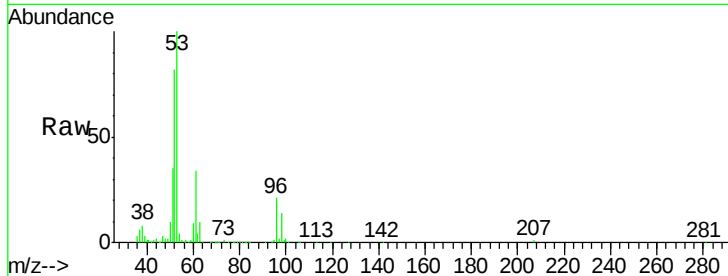
ClientSampleId :

VX0831SBS01

Tot Ion:	53	Resp:	73967
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.3	97.9
51	36.2	29.4	44.2

Manual Integrations
APPROVED

sam
9/3/2019 12:52:25 PM



#16

Acetone

Concen: 93.467 ug/l

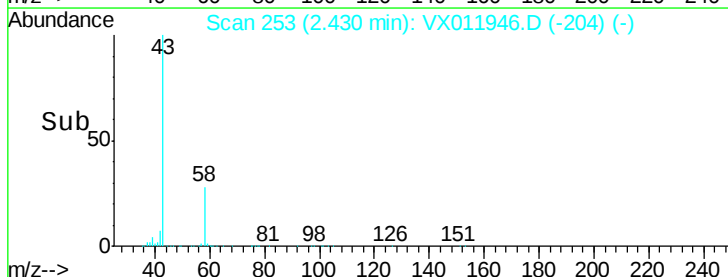
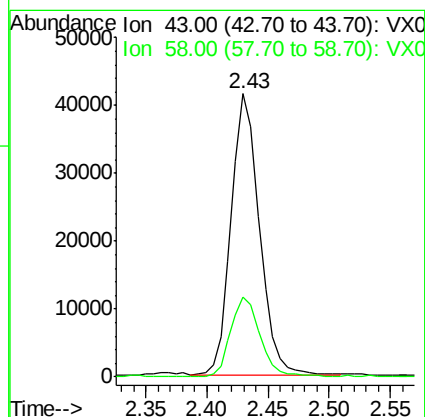
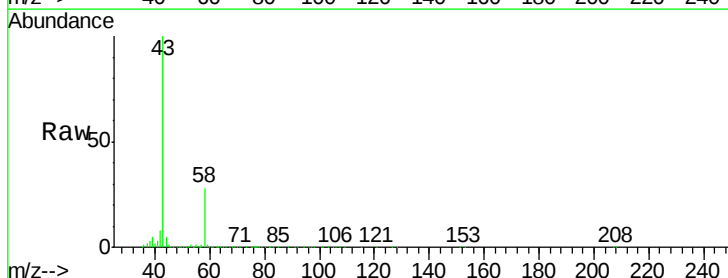
RT: 2.43 min Scan# 253

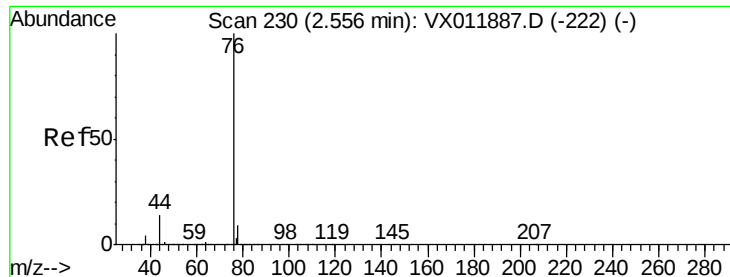
Delta R.T. 0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

Tgt Ion:	43	Resp:	65897
Ion	Ratio	Lower	Upper
43	100		
58	28.2	23.8	35.8





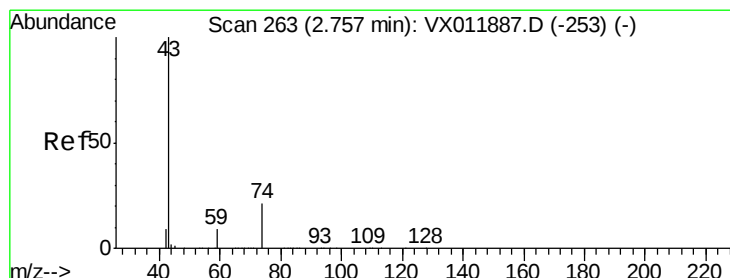
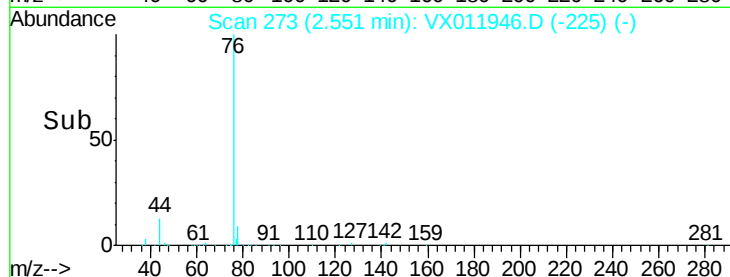
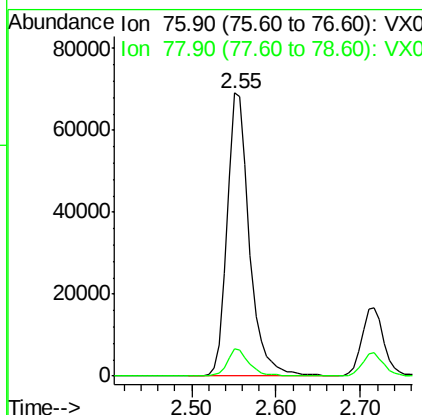
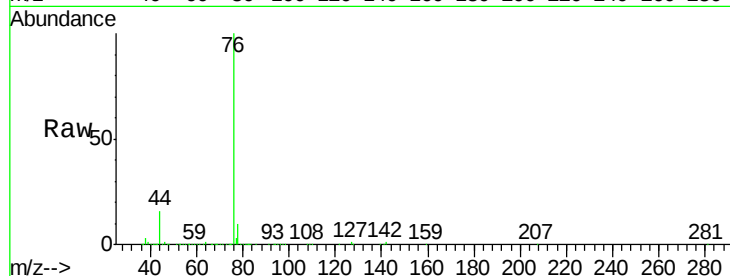
#17
Carbon Disulfide
Concen: 18.229 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Instrument :
MSVOA_X
ClientSampled :
VX0831SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9

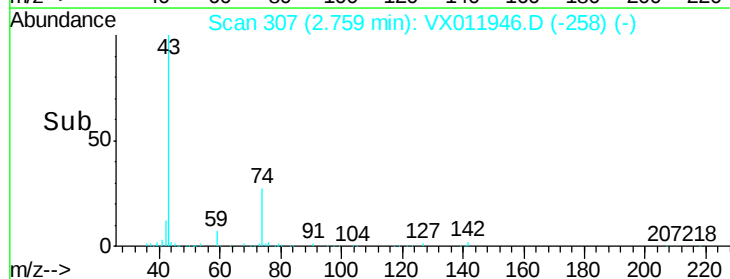
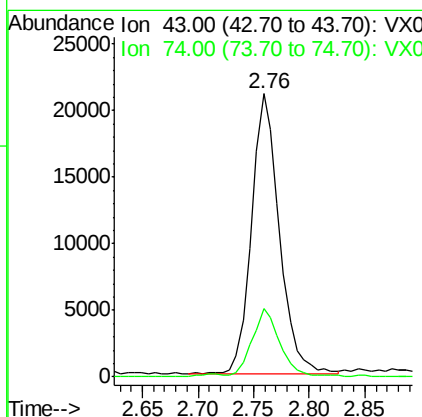
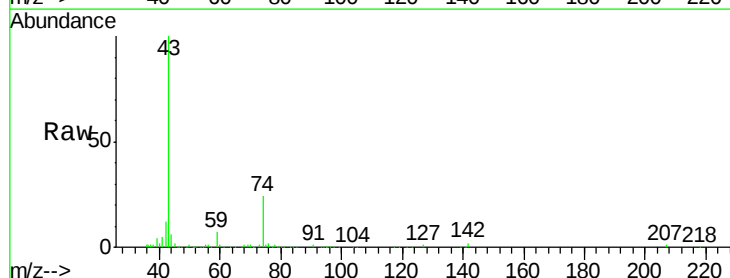
Manual Integrations
APPROVED

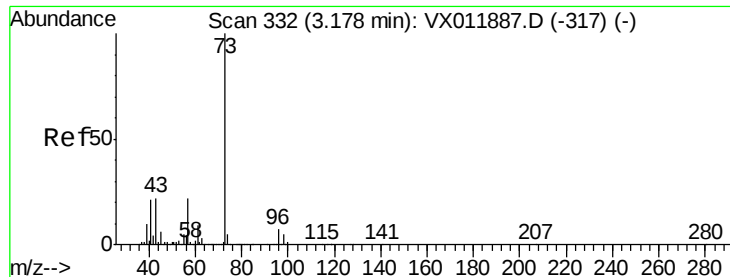
Sam
9/3/2019 12:52:25 PM



#18
Methyl Acetate
Concen: 18.747 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	18.4	27.6





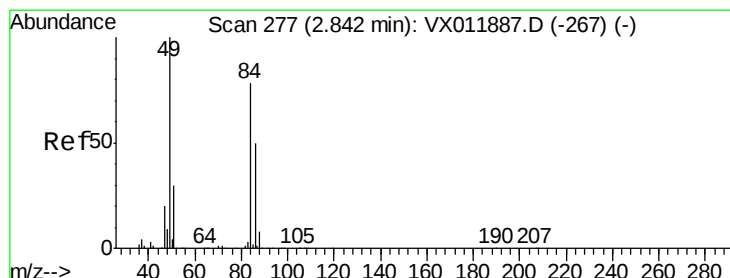
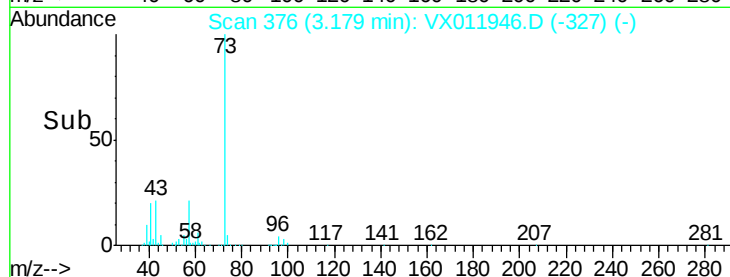
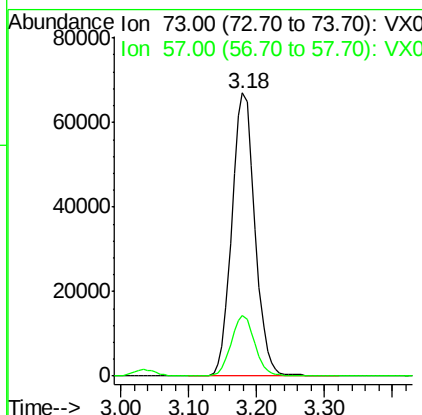
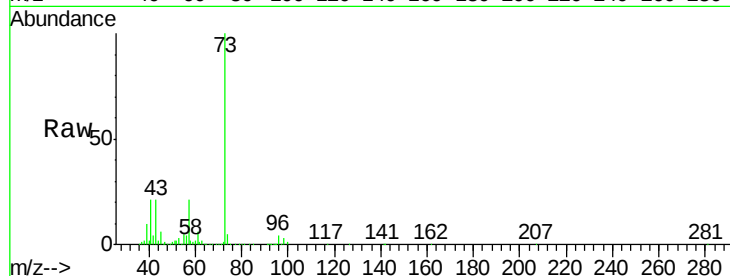
#19
Methyl tert-butyl Ether
Concen: 20.332 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.4	26.0

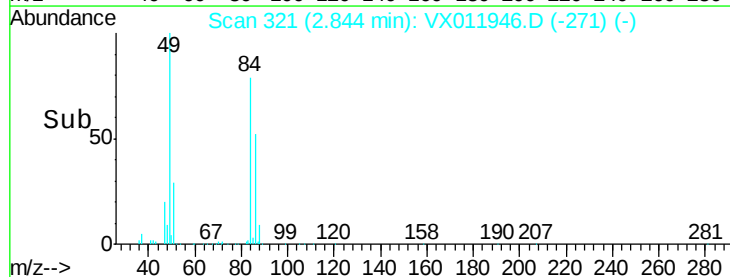
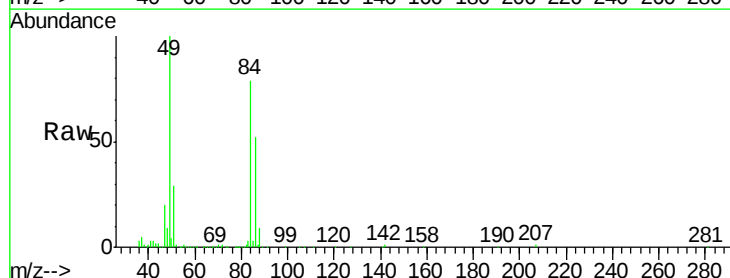
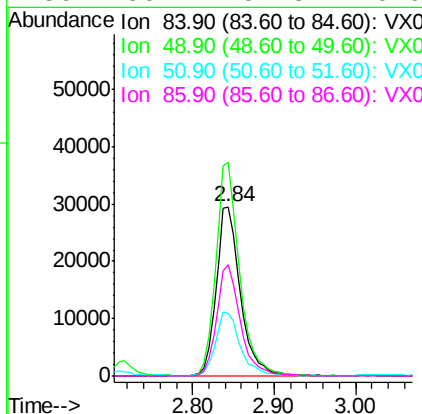
Manual Integrations
APPROVED

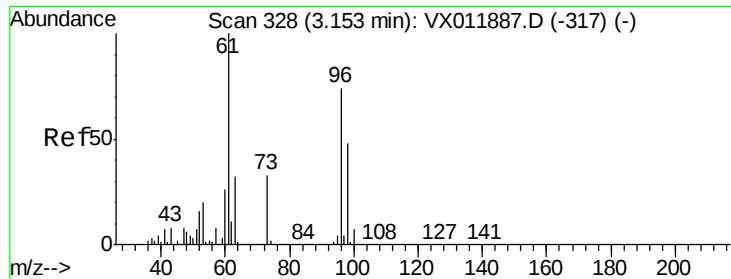
sam
9/3/2019 12:52:25 PM



#20
Methylene Chloride
Concen: 17.156 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.3	103.0	154.4
51	36.9	30.8	46.2
86	66.1	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 19.949 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

Instrument :

MSVOA_X

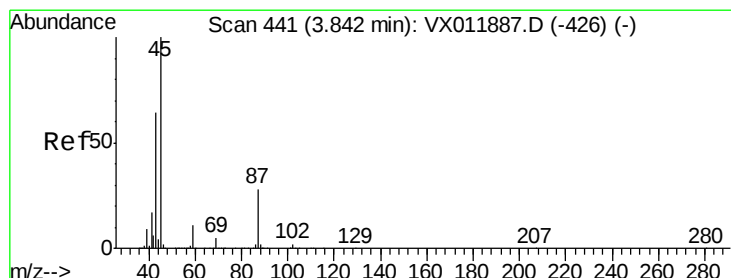
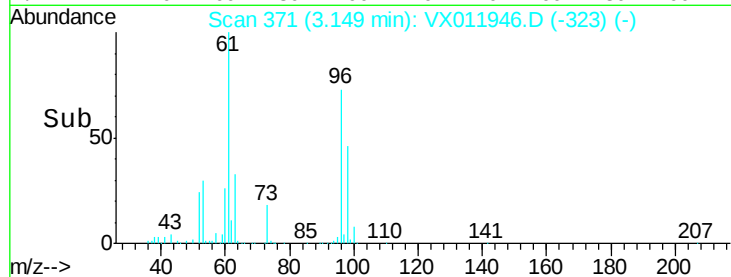
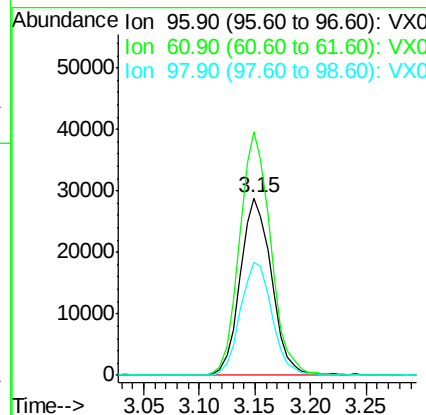
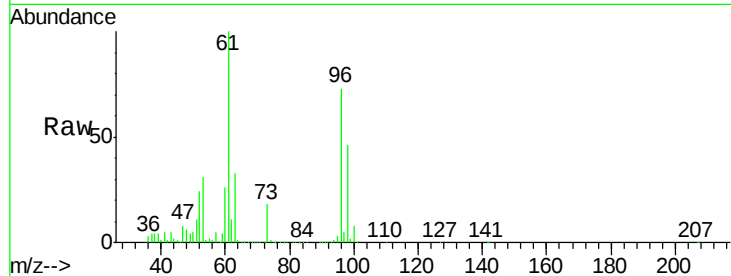
ClientSampled :

VX0831SBS01

Tot Ion:	96	Resp:	56448
Ion	Ratio	Lower	Upper
96	100		
61	137.3	107.4	161.2
98	63.5	51.4	77.2

Manual Integrations
APPROVED

sam
9/3/2019 12:52:25 PM



#22

Diisopropyl ether

Concen: 19.944 ug/l

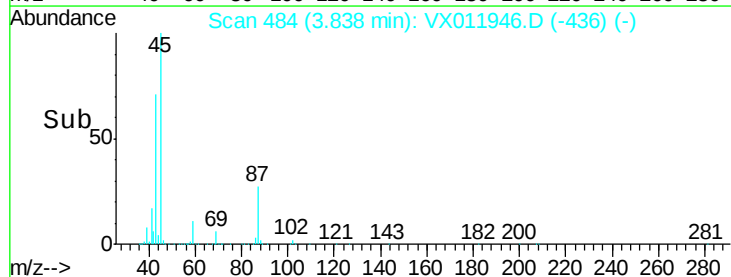
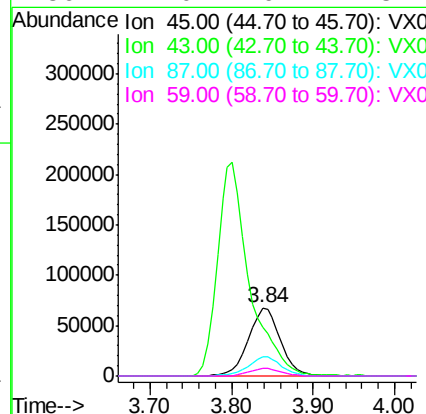
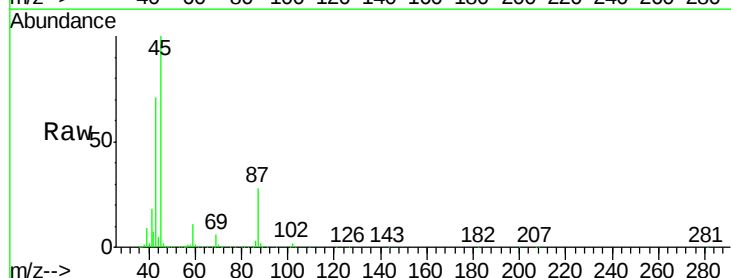
RT: 3.84 min Scan# 484

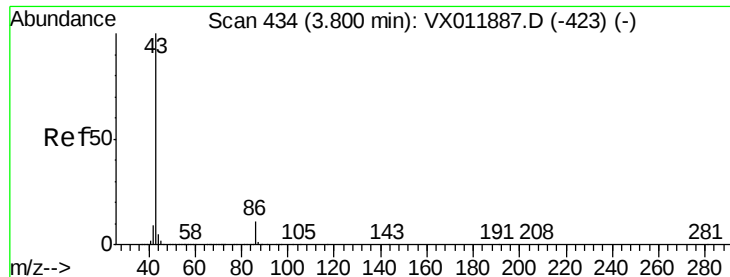
Delta R.T. -0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

Tgt Ion:	45	Resp:	183462
Ion	Ratio	Lower	Upper
45	100		
43	70.6	51.0	76.6
87	27.6	22.0	33.0
59	11.0	9.1	13.7





#23

Vinyl Acetate

Concen: 97.783 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS01

Tot Ion: 43 Resp: 578313

Ion Ratio Lower Upper

43 100

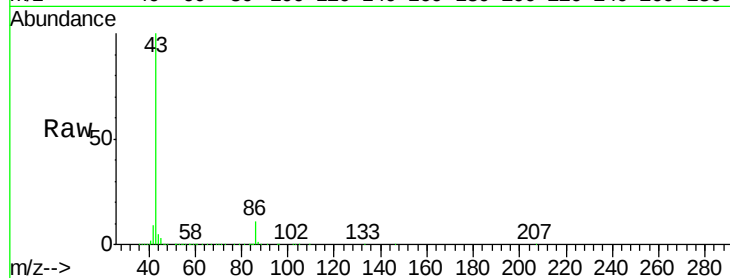
86 11.3 8.6 12.8

Manual Integrations

APPROVED

sam

9/3/2019 12:52:25 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

250000

200000

150000

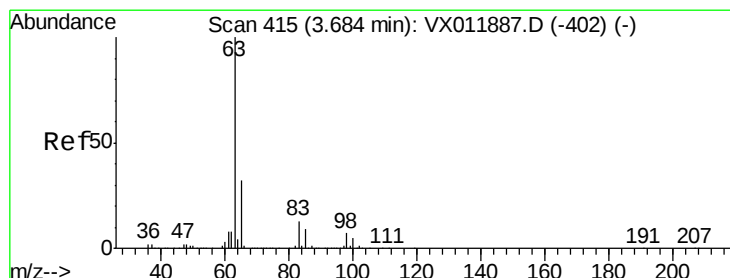
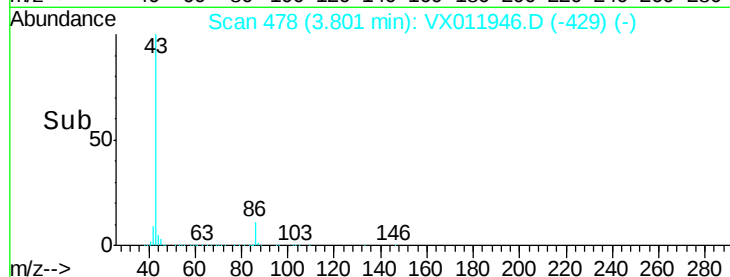
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 20.215 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

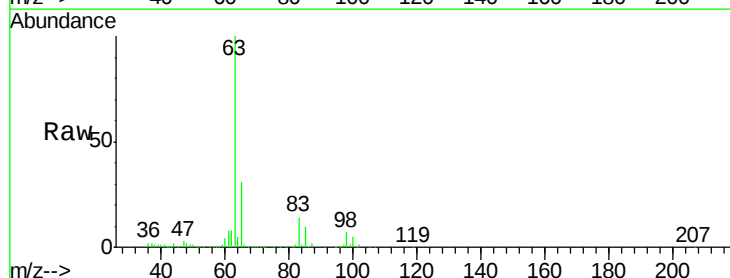
Tgt Ion: 63 Resp: 102543

Ion Ratio Lower Upper

63 100

98 7.3 3.8 11.2

100 4.6 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

50000

40000

30000

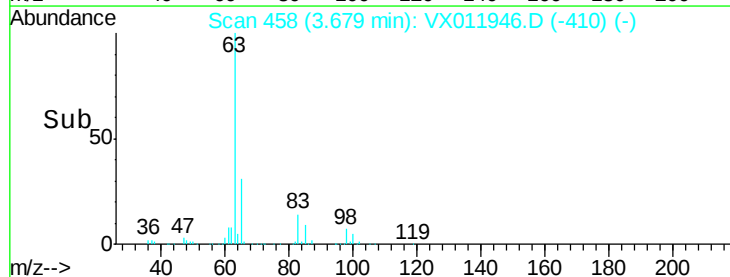
20000

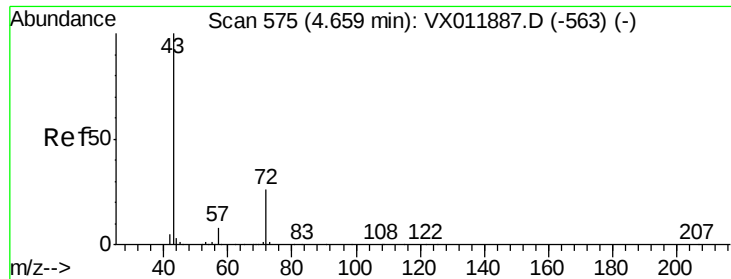
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 97.096 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

Tot Ion: 43 Resp: 99703

Ion Ratio Lower Upper

43 100

72 25.2 21.0 31.4

Instrument :

MSVOA_X

ClientSampled :

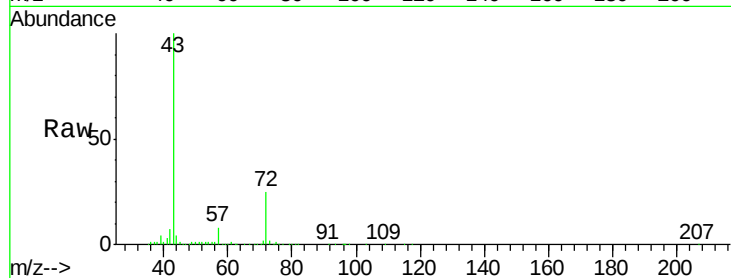
VX0831SBS01

Manual Integrations

APPROVED

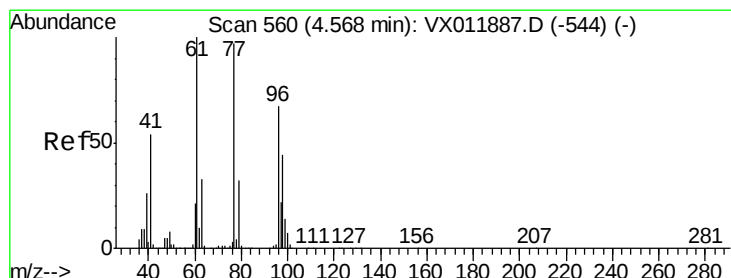
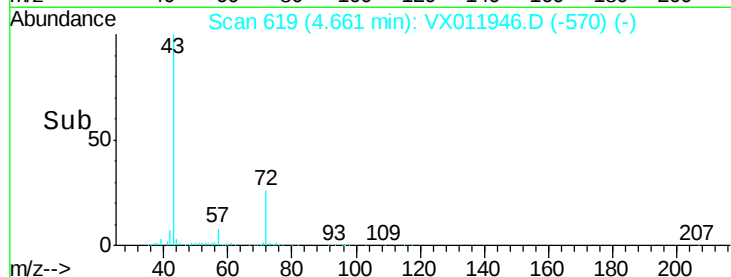
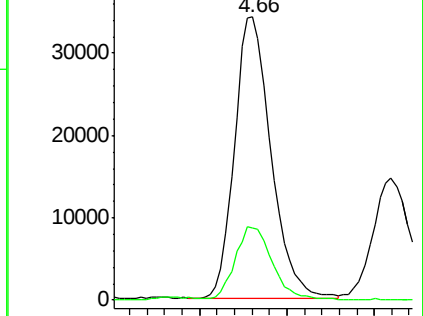
sam

9/3/2019 12:52:25 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 20.838 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX011946.D

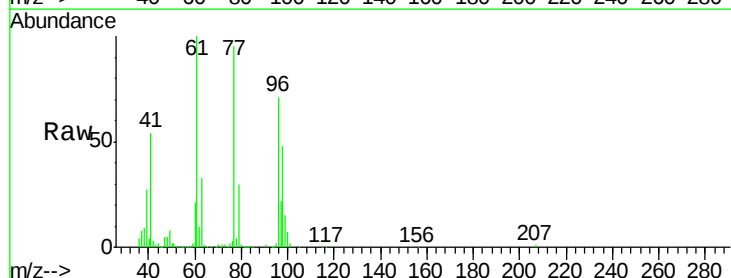
Acq: 31 Aug 2019 13:04

Tgt Ion: 77 Resp: 88659

Ion Ratio Lower Upper

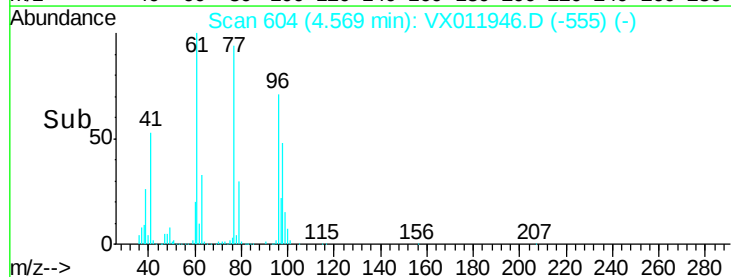
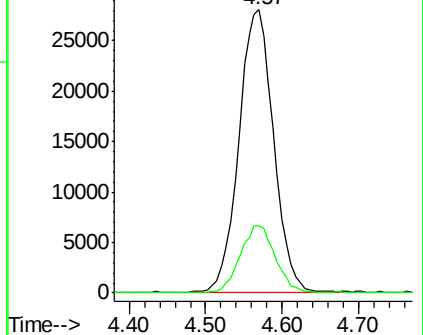
77 100

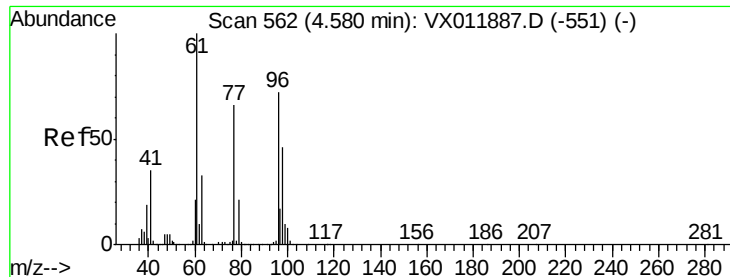
97 24.1 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

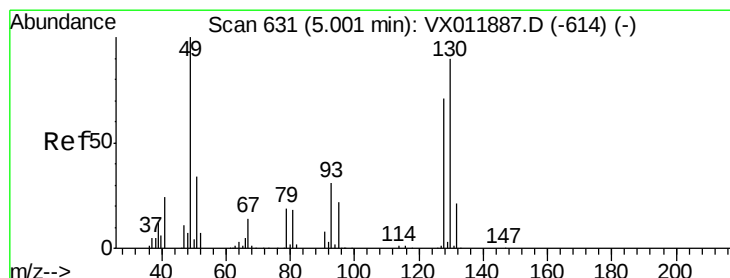
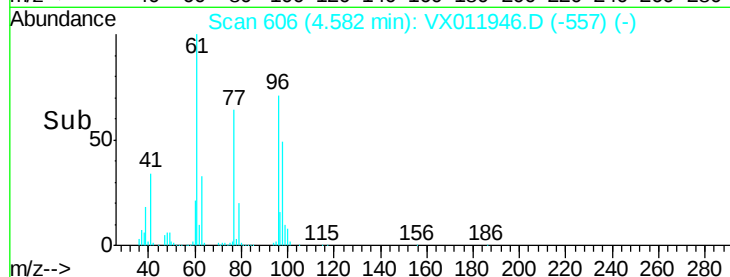
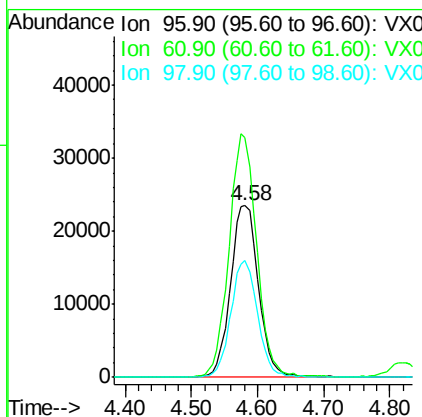
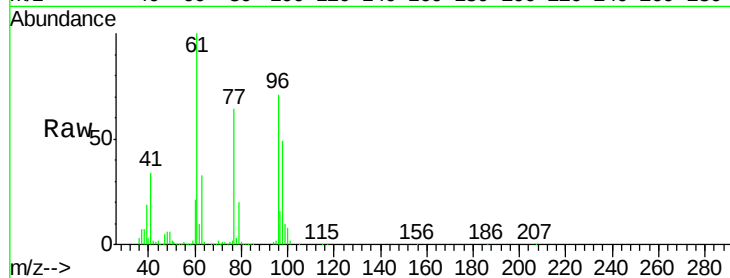
cis-1,2-Dichloroethene
 Concen: 20.797 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX011946.D
 Acq: 31 Aug 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	69317		
61	139.2	0.0	283.8	
98	65.1	0.0	131.2	

Manual Integrations
 APPROVED

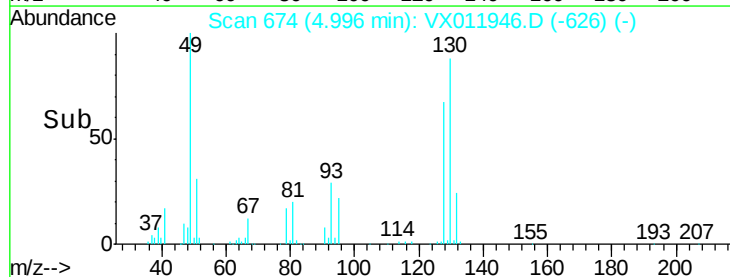
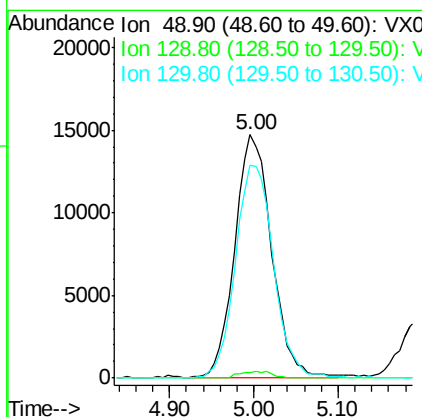
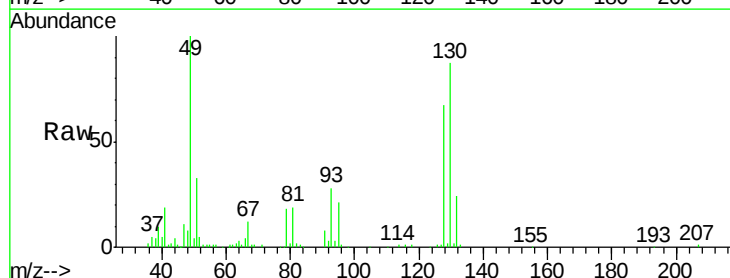
sam
 9/3/2019 12:52:25 PM

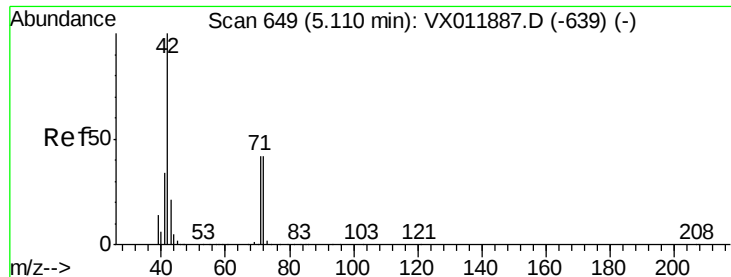


#28

Bromochloromethane
 Concen: 19.227 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: VX011946.D
 Acq: 31 Aug 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	43764		
129	2.3	0.0	4.8	
130	90.6	70.6	105.8	





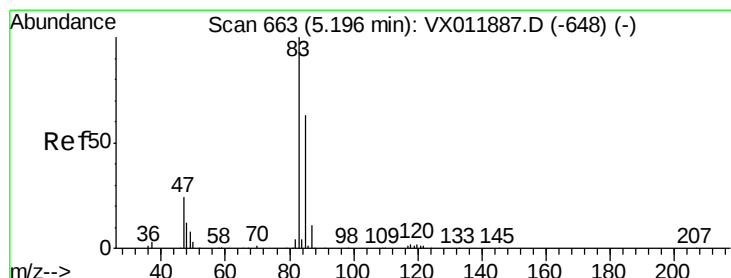
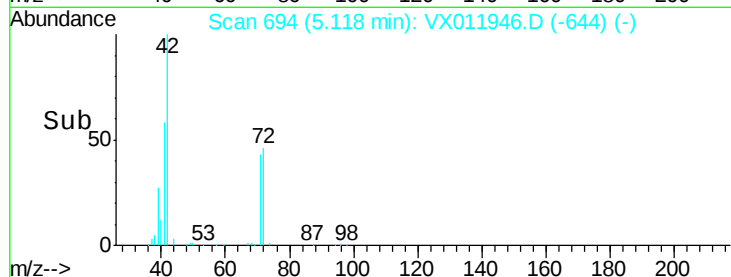
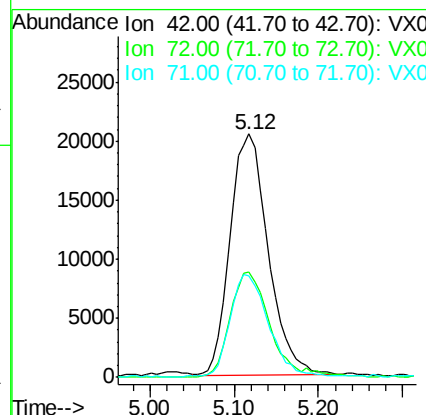
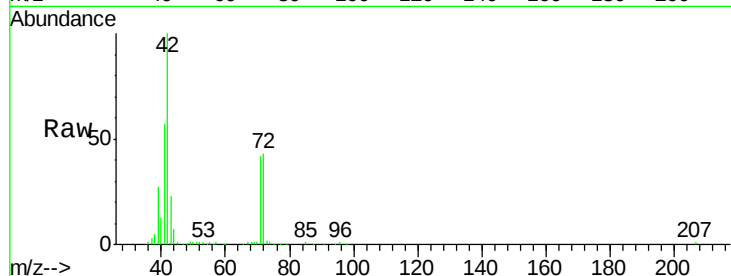
#29
Tetrahydrofuran
Concen: 98.306 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	36.2	54.4
71	43.3	33.1	49.7

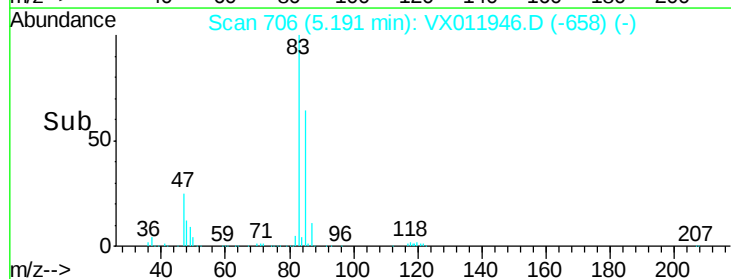
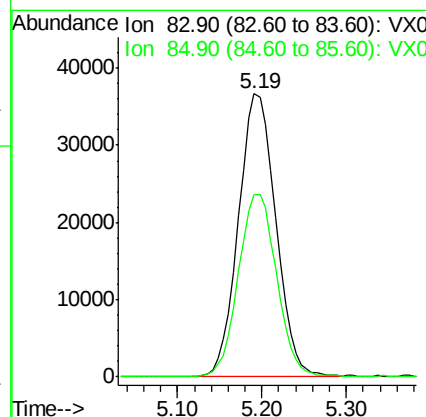
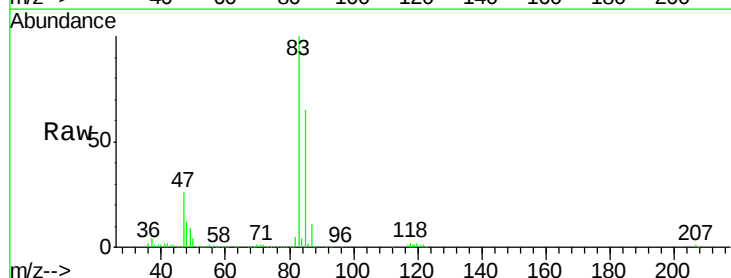
Manual Integrations
APPROVED

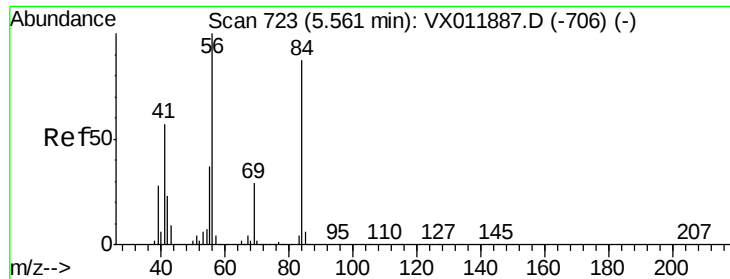
sam
9/3/2019 12:52:25 PM



#30
Chloroform
Concen: 20.410 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.6	75.8





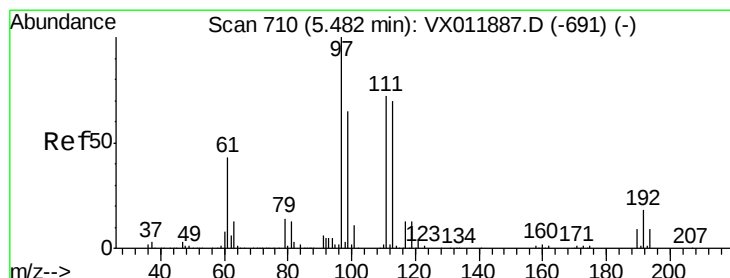
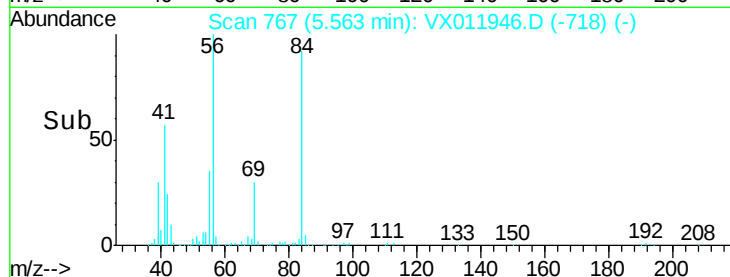
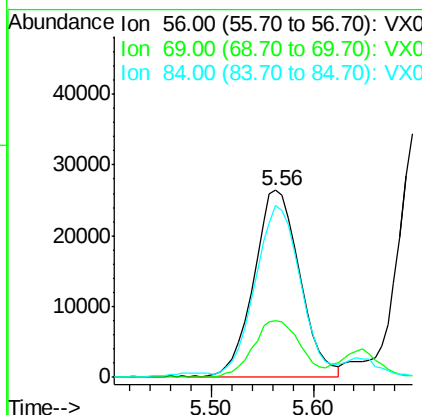
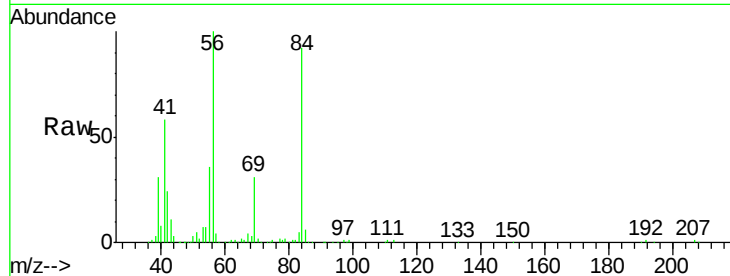
#31
Cyclohexane
Concen: 19.994 ug/l
RT: 5.56 min Scan# 767
Delta R.T. 0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	23.1	34.7
84	89.7	69.6	104.4

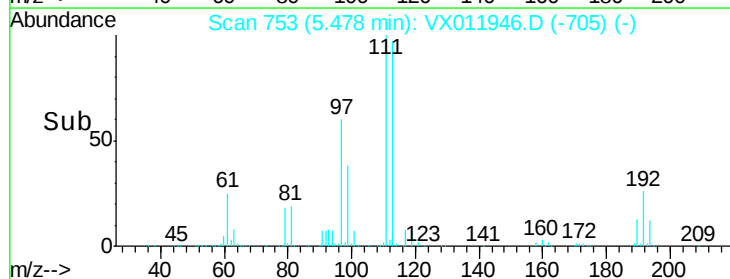
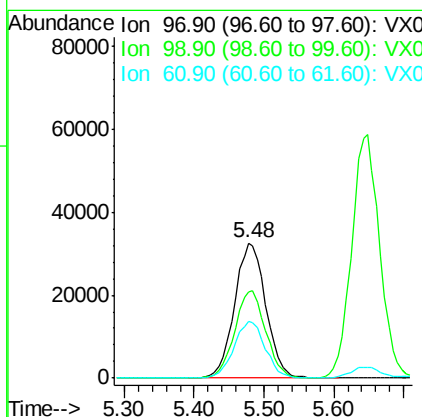
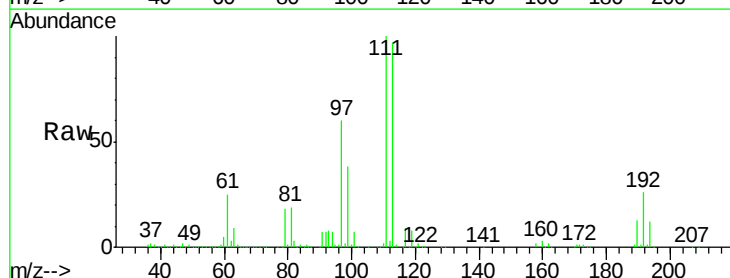
Manual Integrations
APPROVED

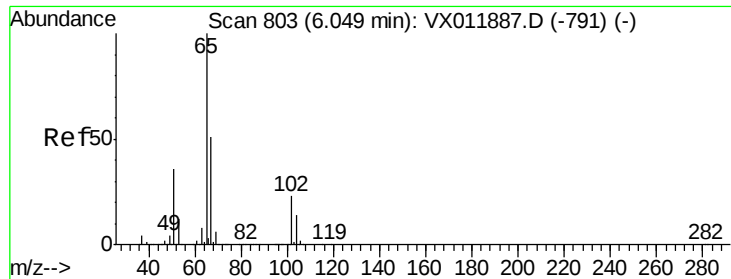
sam
9/3/2019 12:52:25 PM



#32
1,1,1-Trichloroethane
Concen: 20.944 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.8
61	42.0	33.8	50.6





#33

1,2-Dichloroethane-d4

Concen: 50.259 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

Tot Ion: 65 Resp: 164689

Ion Ratio Lower Upper

65 100

67 50.7 0.0 102.2

Instrument :

MSVOA_X

ClientSampled :

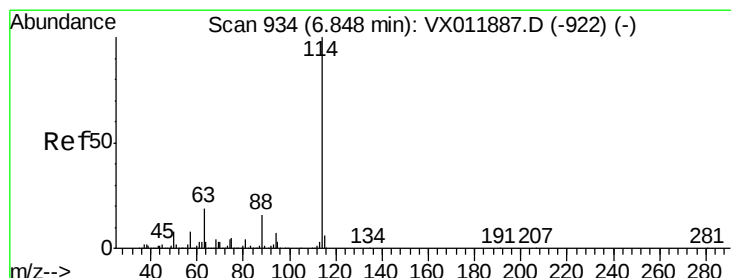
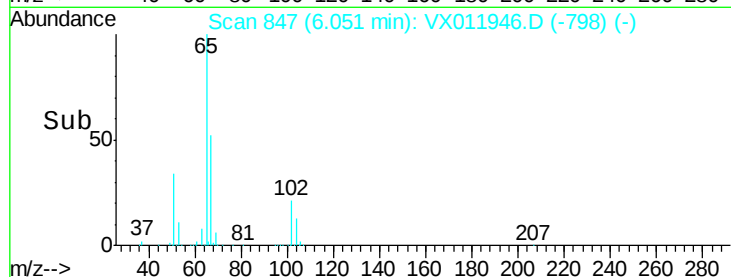
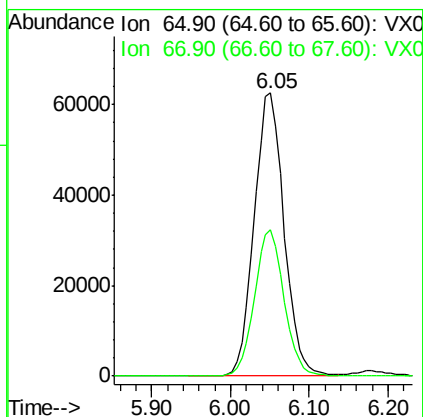
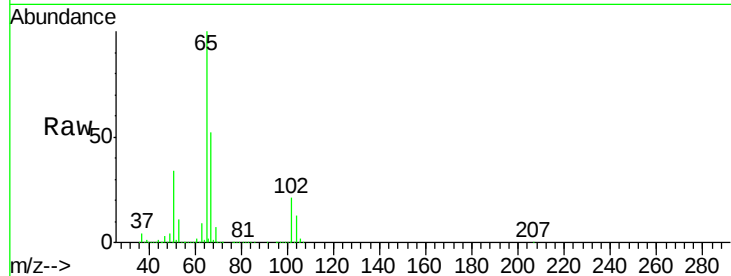
VX0831SBS01

Manual Integrations

APPROVED

sam

9/3/2019 12:52:25 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

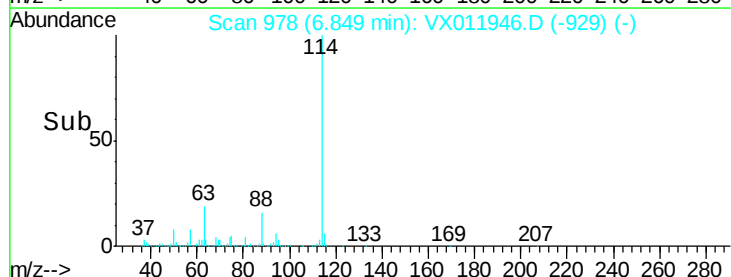
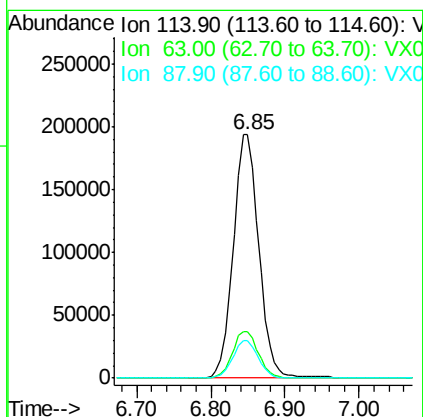
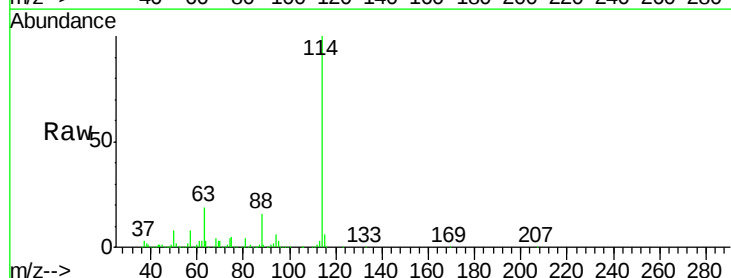
Tgt Ion: 114 Resp: 466825

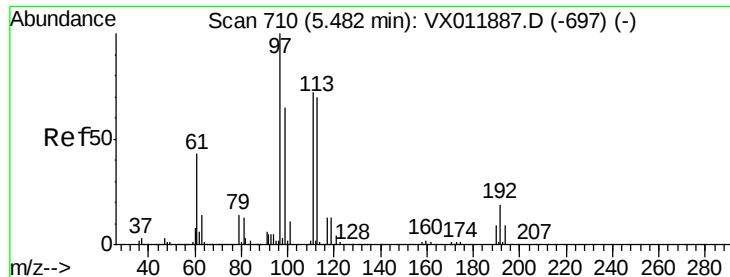
Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.8

88 15.6 0.0 31.2





#35

Dibromofluoromethane

Concen: 51.758 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

Instrument :

MSVOA_X

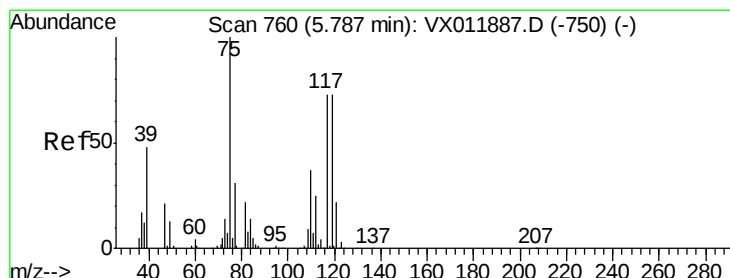
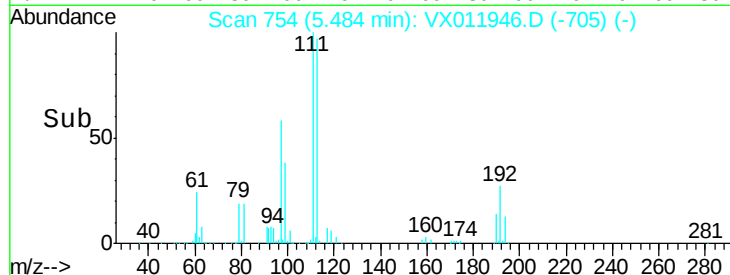
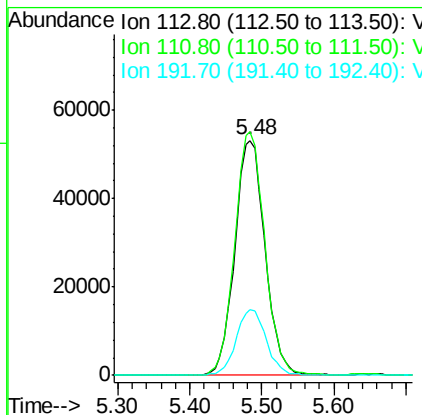
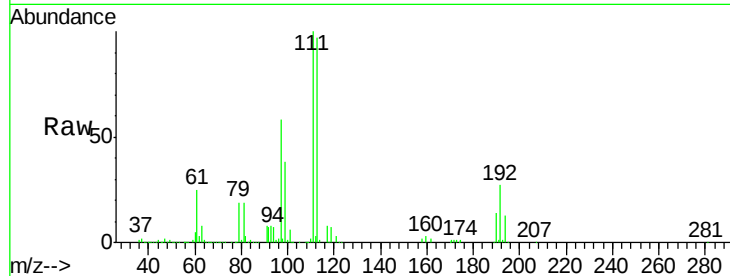
ClientSampled :

VX0831SBS01

Tot Ion:	113	Resp:	154937
Ion Ratio	Lower	Upper	
113	100		
111	102.8	82.1	123.1
192	27.9	21.5	32.3

Manual Integrations
APPROVED

sam
9/3/2019 12:52:25 PM



#36

1,1-Dichloropropene

Concen: 20.408 ug/l

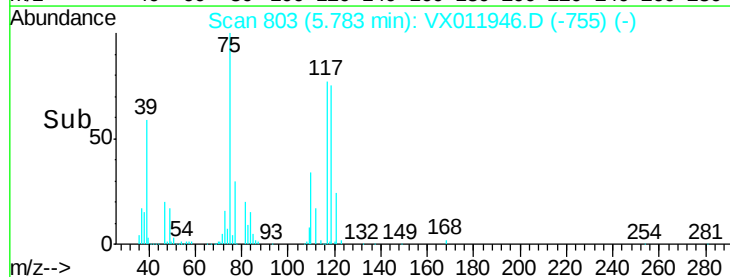
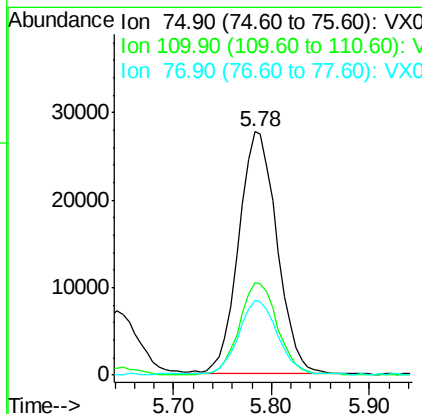
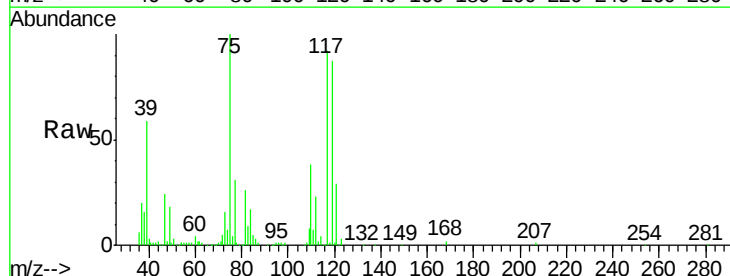
RT: 5.78 min Scan# 803

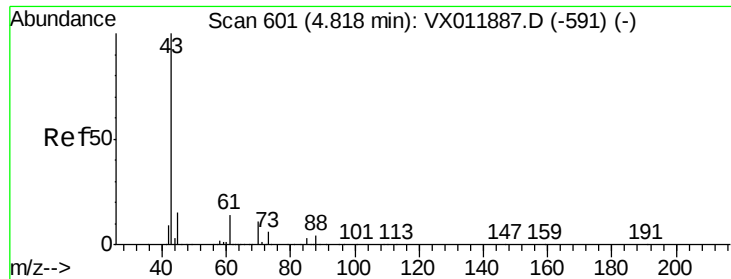
Delta R.T. -0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

Tgt Ion:	75	Resp:	75477
Ion Ratio	Lower	Upper	
75	100		
110	38.6	19.1	57.3
77	30.3	24.4	36.6





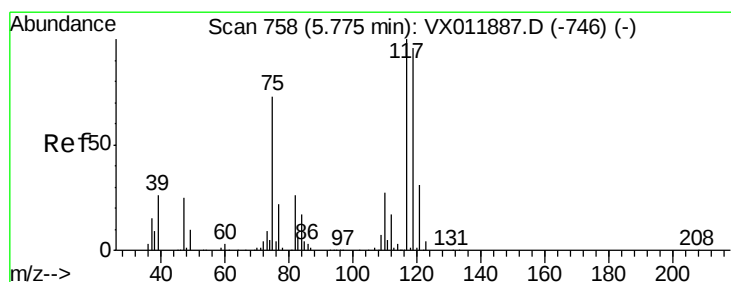
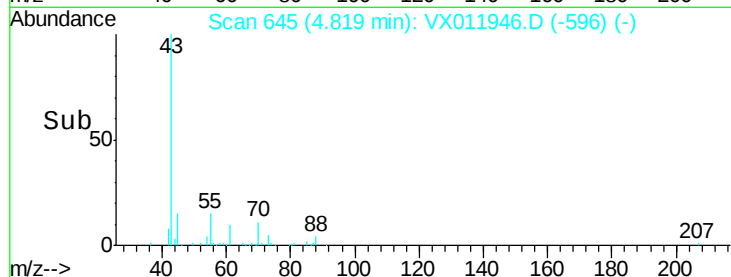
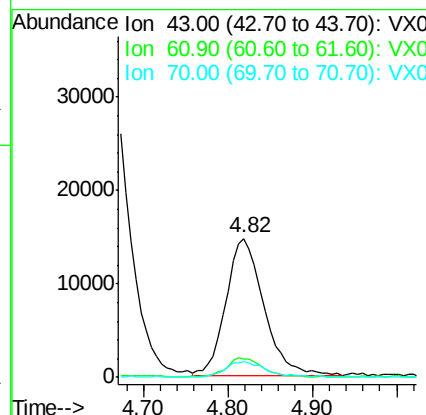
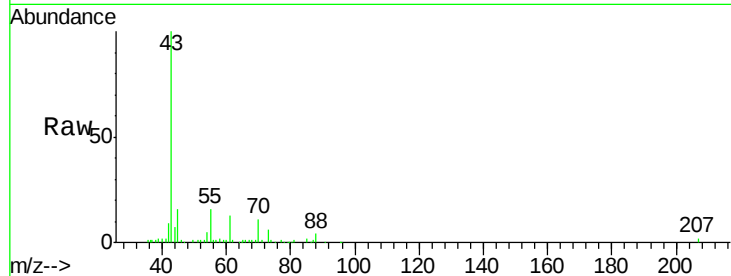
#37
Ethyl Acetate
Concen: 20.454 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.0	16.4
70	12.4	9.2	13.8

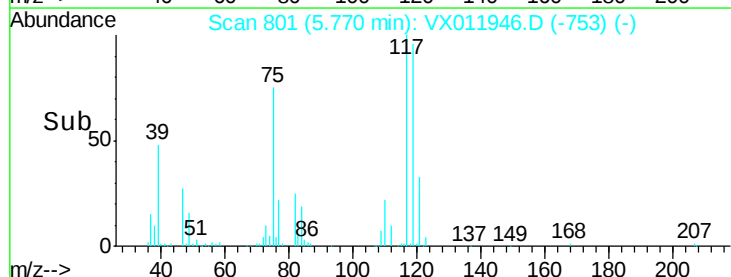
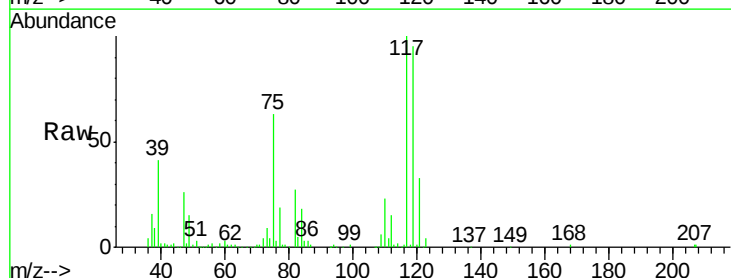
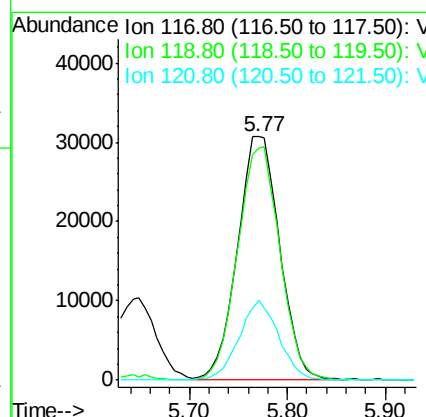
Manual Integrations
APPROVED

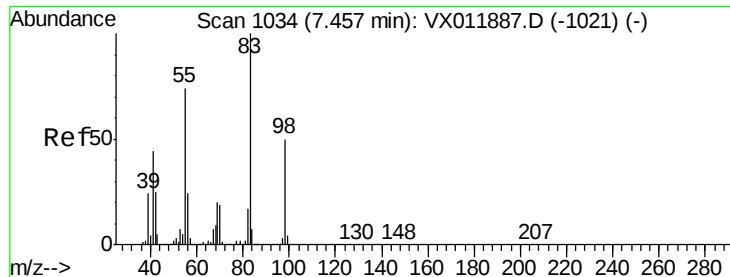
sam
9/3/2019 12:52:25 PM



#38
Carbon Tetrachloride
Concen: 21.323 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.6	114.8
121	32.8	24.7	37.1





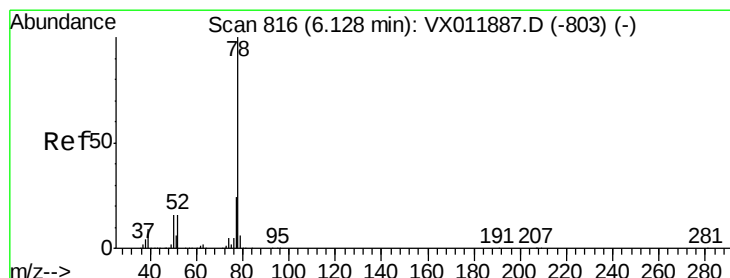
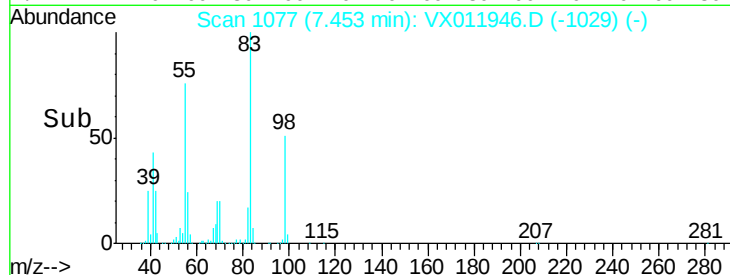
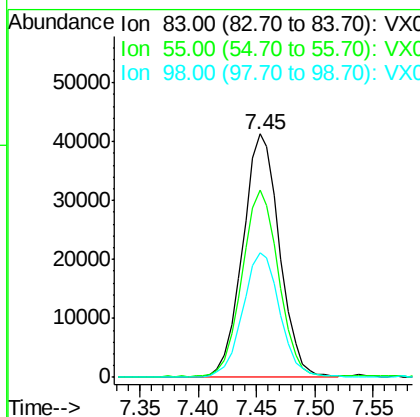
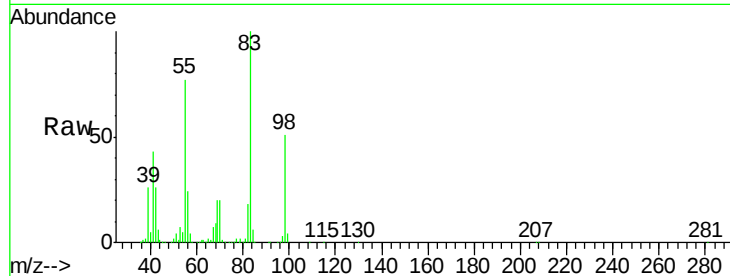
#39
Methvlcvclohexane
Concen: 20.698 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.4	59.4	89.0
98	51.2	40.3	60.5

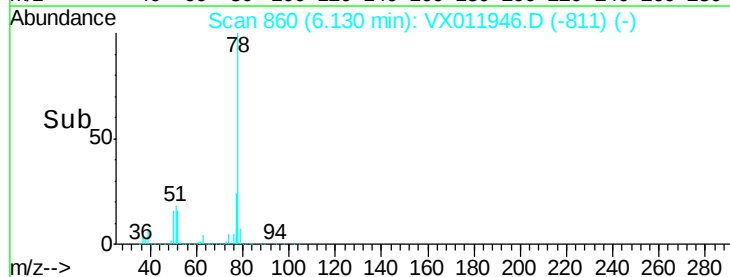
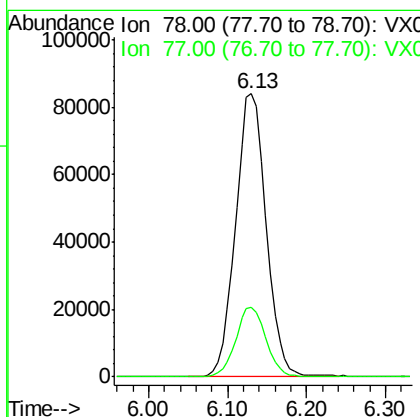
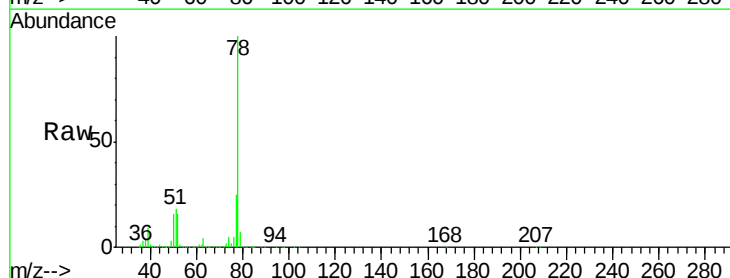
Manual Integrations
APPROVED

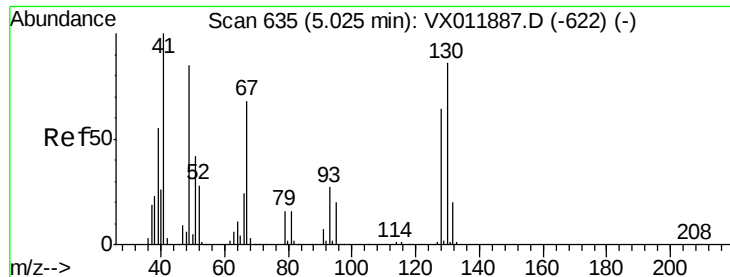
sam
9/3/2019 12:52:25 PM



#40
Benzene
Concen: 20.496 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.0	28.6





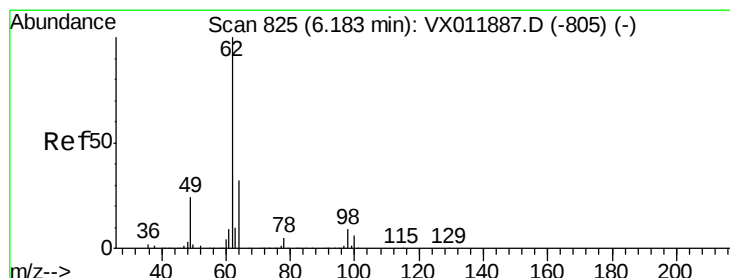
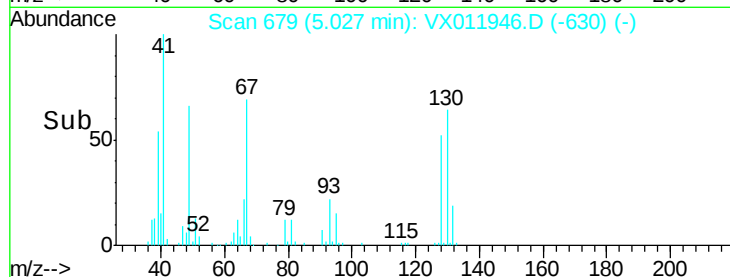
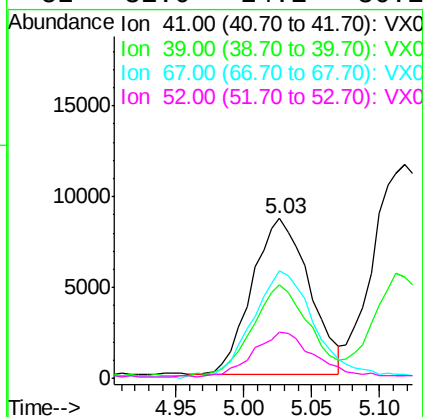
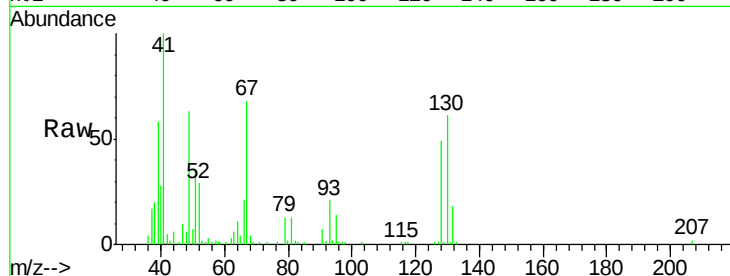
#41
Methacrylonitrile
Concen: 19.540 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Instrument :
MSVOA_X
ClientSampled :
VX0831SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.9	45.0	67.6	
67	76.2	55.0	82.4	
52	31.0	24.1	36.1	

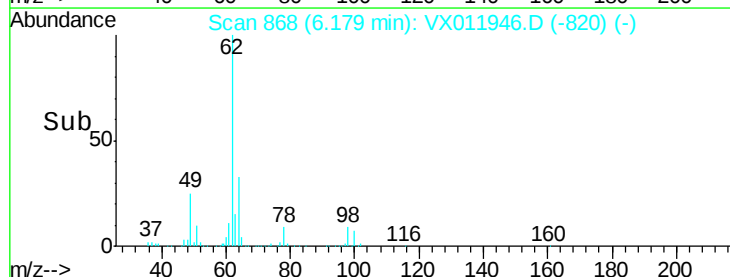
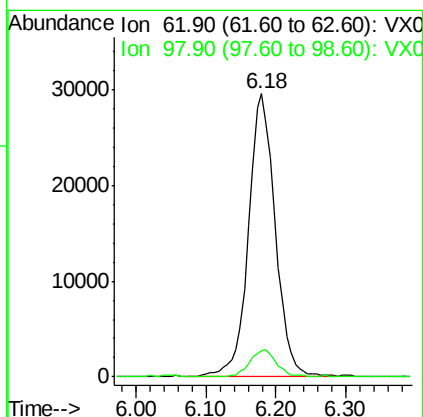
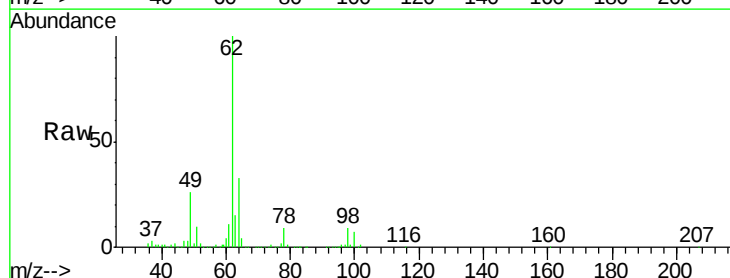
Manual Integrations
APPROVED

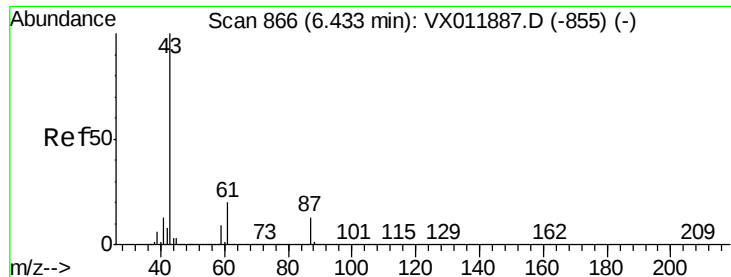
sam
9/3/2019 12:52:25 PM



#42
1,2-Dichloroethane
Concen: 20.971 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

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





#43

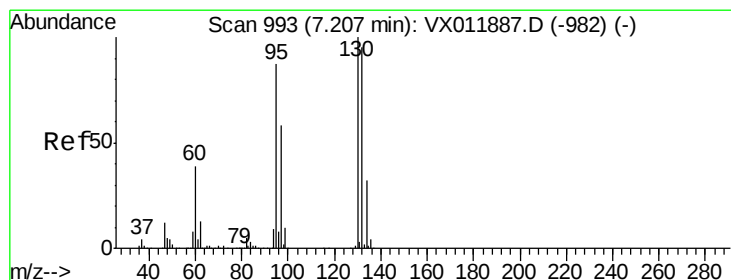
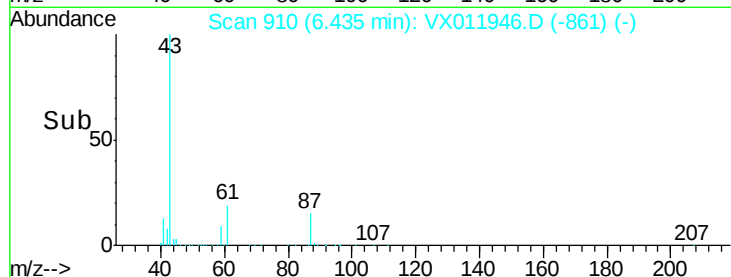
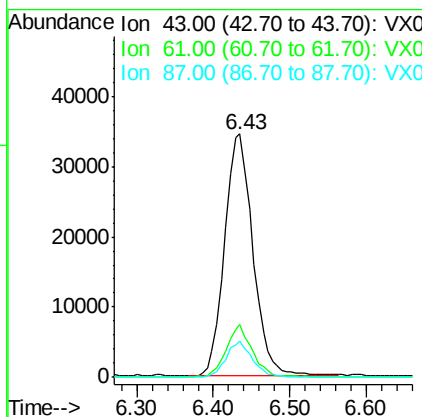
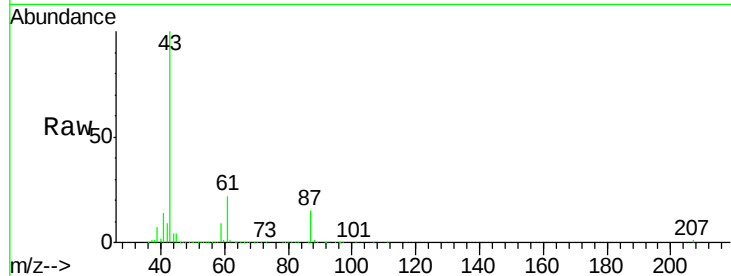
Isopropyl Acetate
 Concen: 19.901 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX011946.D
 Acq: 31 Aug 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.9	16.1	24.1
87	13.9	10.6	16.0

Manual Integrations
 APPROVED

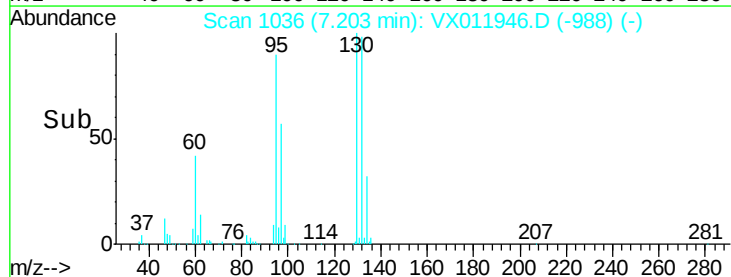
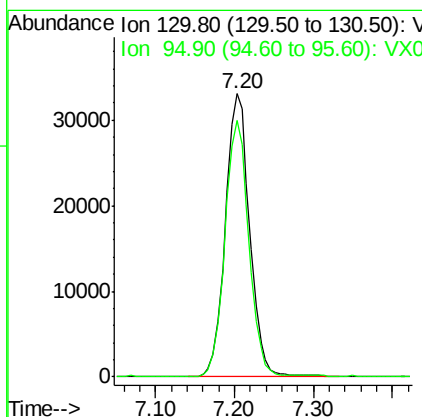
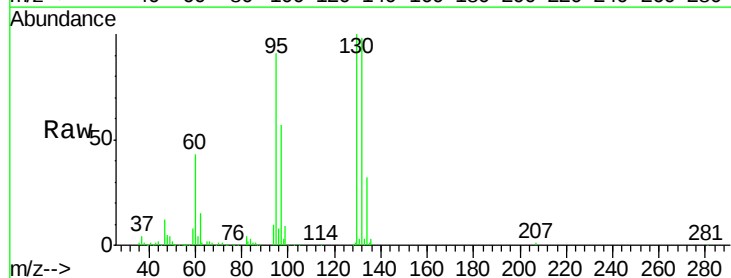
sam
 9/3/2019 12:52:25 PM

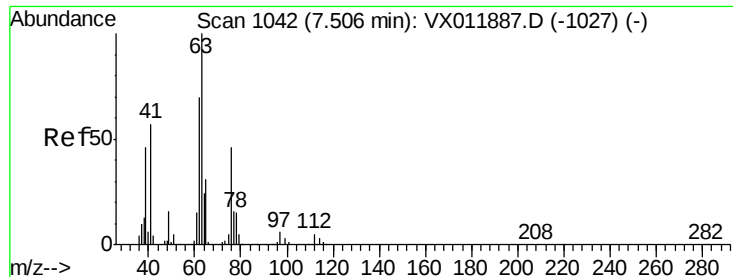


#44

Trichloroethene
 Concen: 20.764 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX011946.D
 Acq: 31 Aug 2019 13:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	174.6





#45

1,2-Dichloropropane

Concen: 20.347 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS01

Tot Ion: 63 Resp: 58755

Ion Ratio Lower Upper

63 100

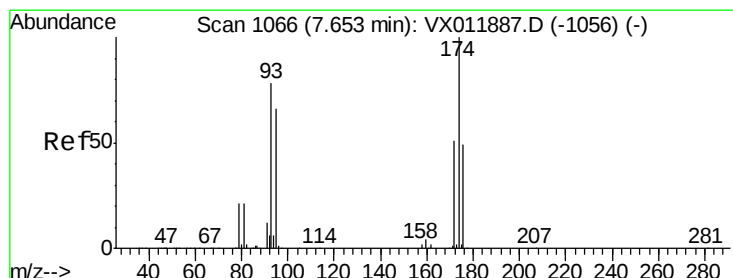
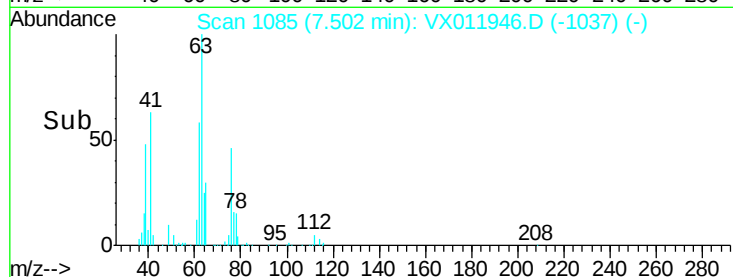
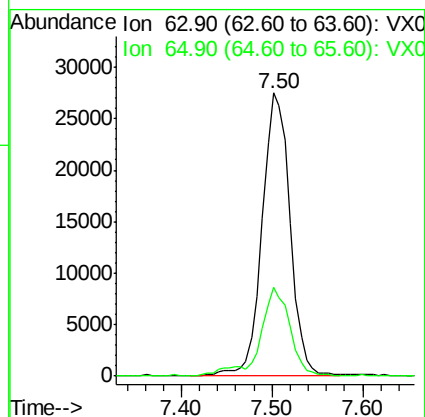
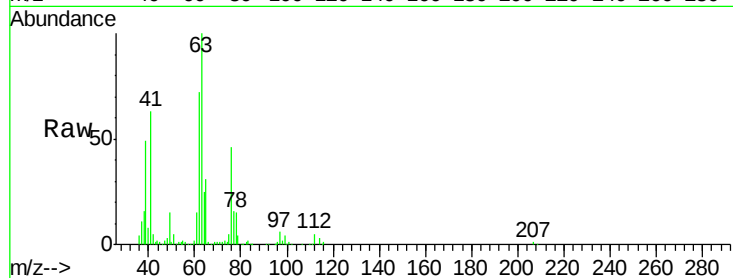
65 31.3 25.1 37.7

Manual Integrations

APPROVED

sam

9/3/2019 12:52:25 PM



#46

Dibromomethane

Concen: 20.323 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

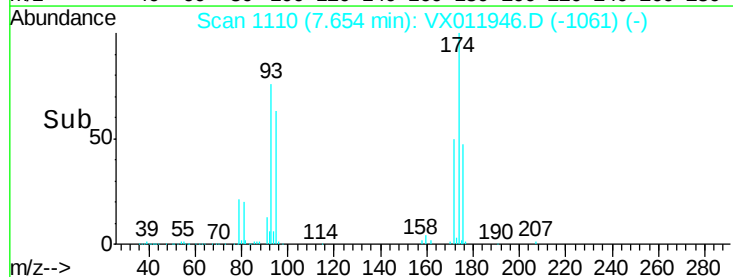
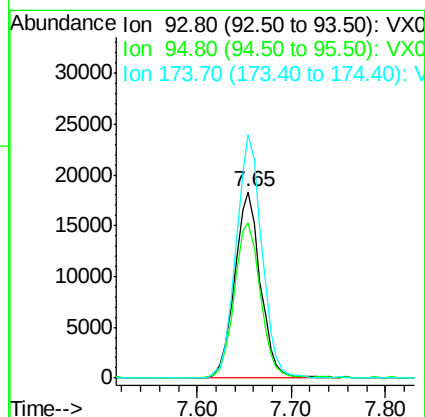
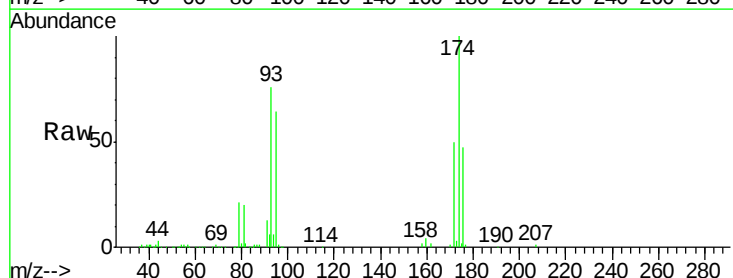
Tgt Ion: 93 Resp: 34829

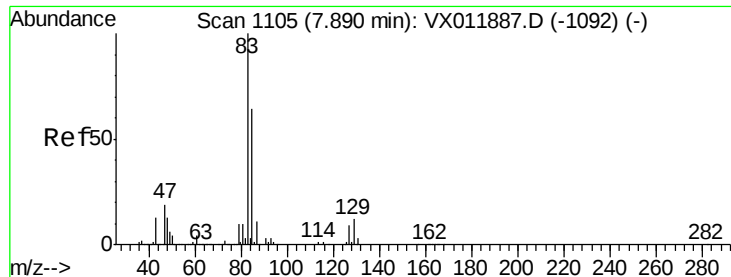
Ion Ratio Lower Upper

93 100

95 85.2 65.7 98.5

174 130.9 104.2 156.4





#47

Bromodichloromethane

Concen: 20.762 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

Instrument :

MSVOA_X

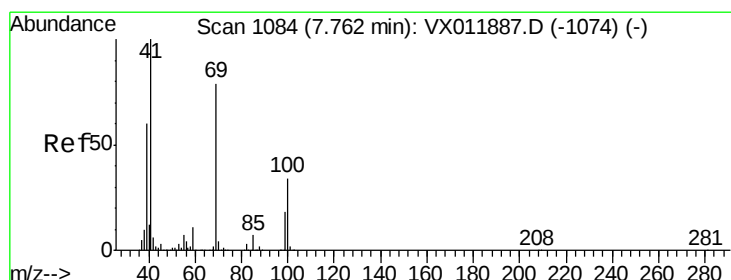
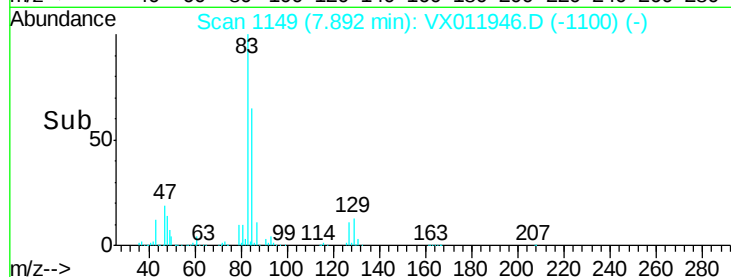
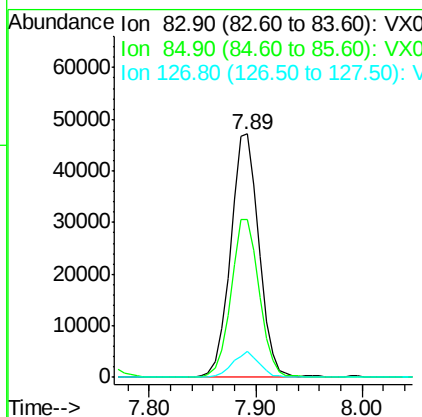
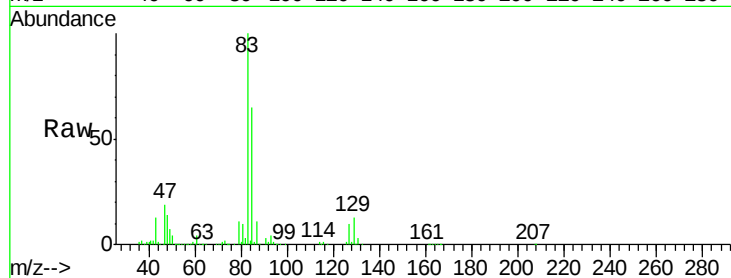
ClientSampleId :

VX0831SBS01

Tot Ion:	83	Resp:	88232
Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.1	76.7
127	10.5	7.4	11.2

Manual Integrations
APPROVED

sam
9/3/2019 12:52:25 PM



#48

Methyl methacrylate

Concen: 19.626 ug/l

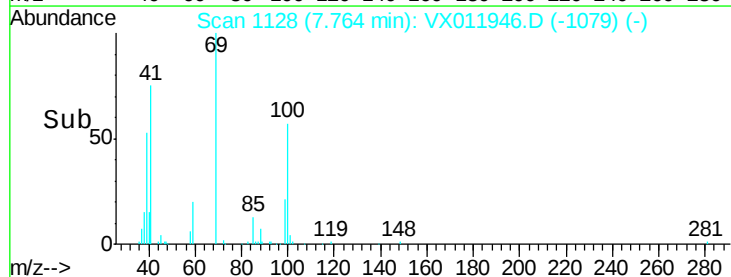
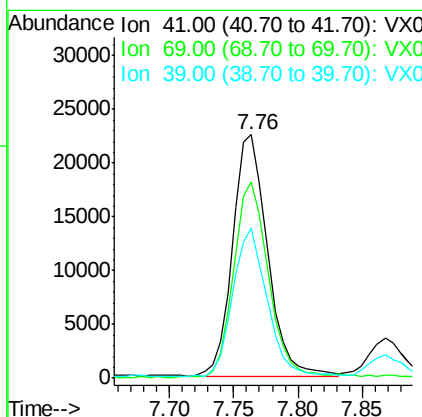
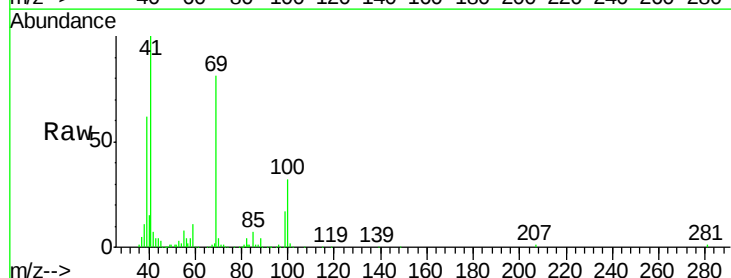
RT: 7.76 min Scan# 1128

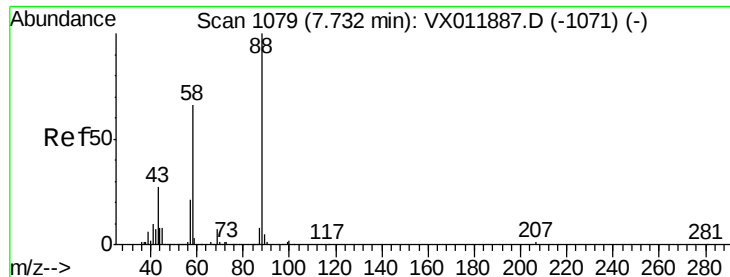
Delta R.T. 0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

Tgt Ion:	41	Resp:	42385
Ion	Ratio	Lower	Upper
41	100		
69	82.5	64.4	96.6
39	60.3	47.2	70.8





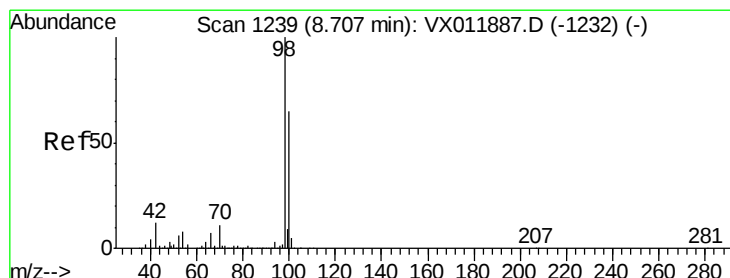
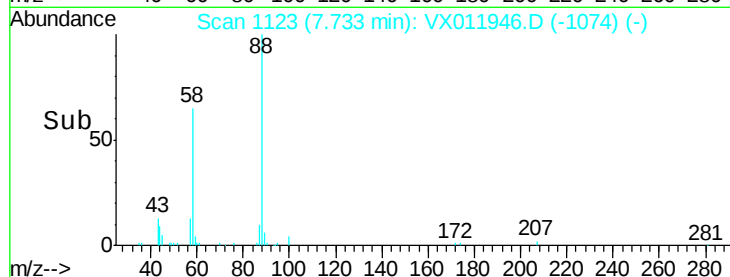
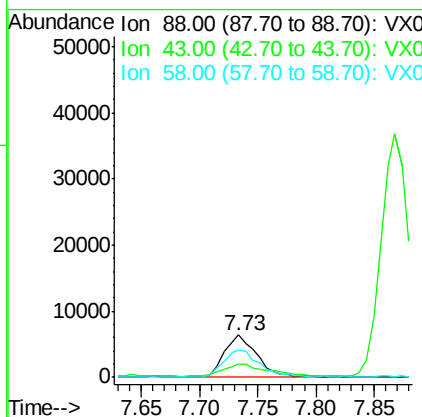
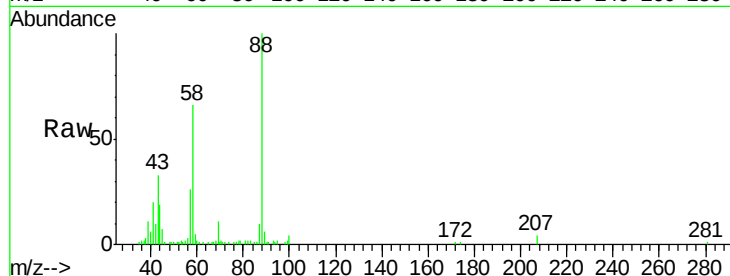
#49
1,4-Dioxane
Concen: 422.762 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	40.0	27.3	40.9	
58	69.9	53.9	80.9	

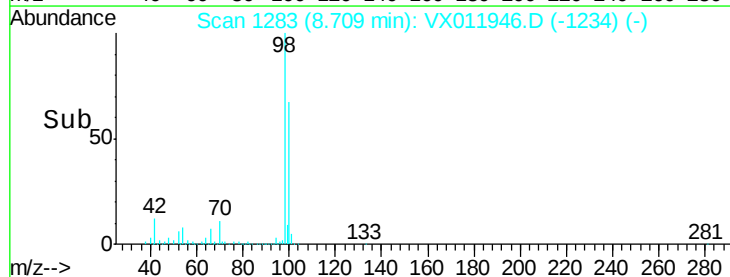
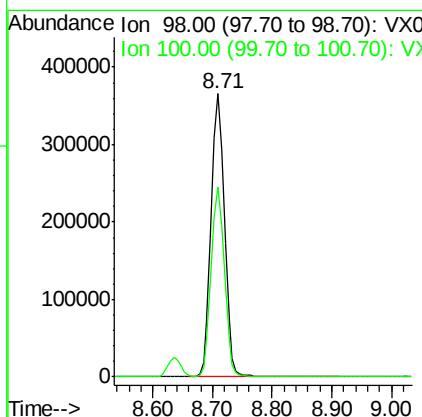
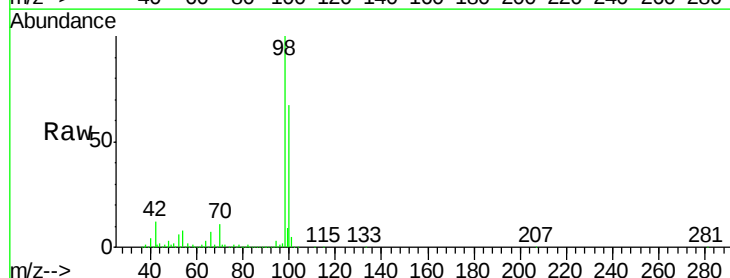
Manual Integrations
APPROVED

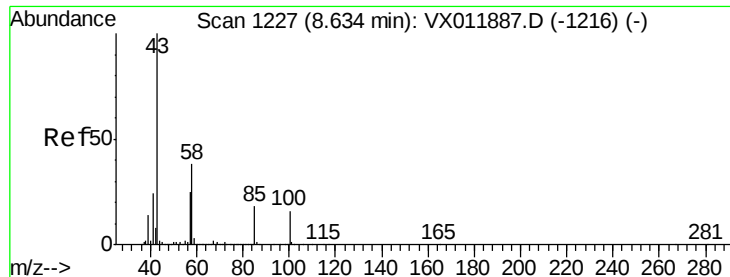
sam
9/3/2019 12:52:25 PM



#50
Toluene-d8
Concen: 52.559 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	66.6	53.0	79.6	





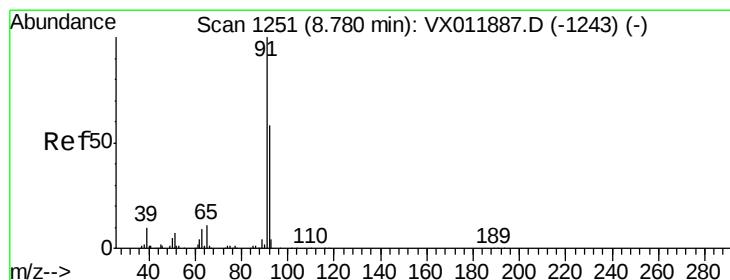
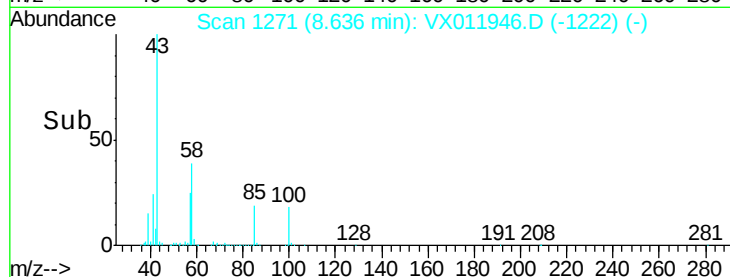
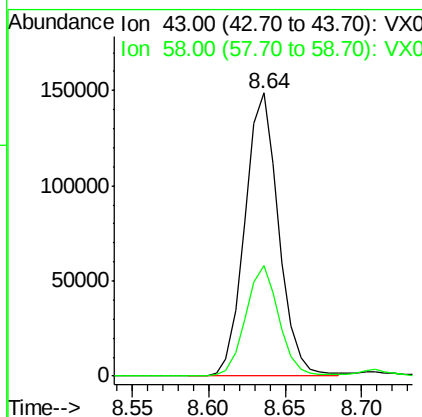
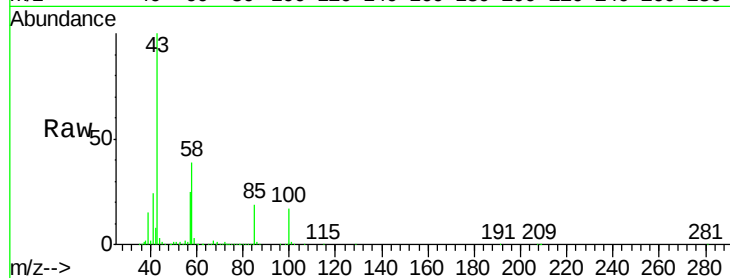
#51
4-Methyl-2-Pentanone
Concen: 100.773 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS01

Tot Ion	43	Resp	227223
Ion	Ratio	Lower	Upper
43	100		
58	38.2	30.9	46.3

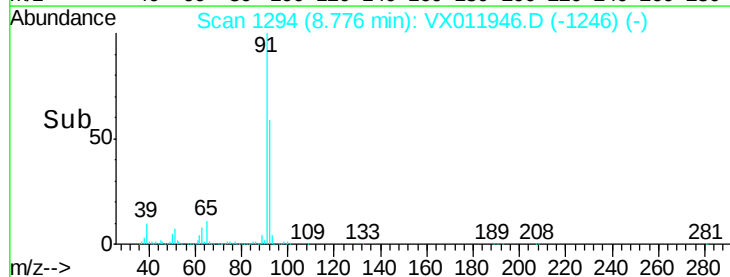
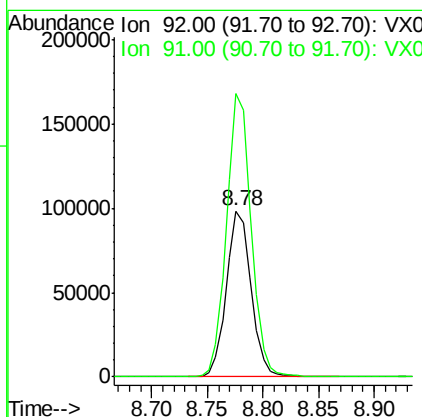
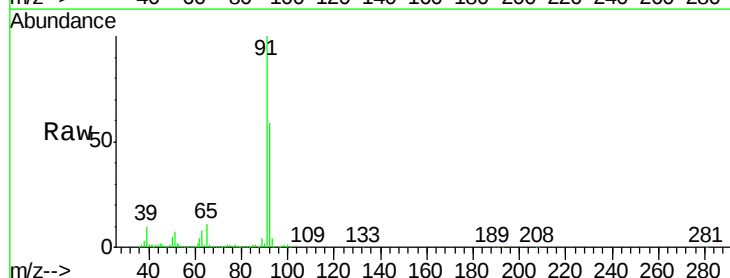
Manual Integrations
APPROVED

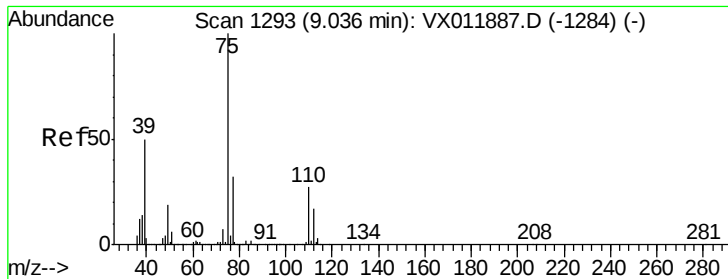
sam
9/3/2019 12:52:25 PM



#52
Toluene
Concen: 20.776 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Tgt Ion	92	Resp	151733
Ion	Ratio	Lower	Upper
92	100		
91	170.1	136.8	205.2





#53

t-1,3-Dichloropropene

Concen: 20.279 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS01

Tot Ion: 75 Resp: 88274

Ion Ratio Lower Upper

75 100

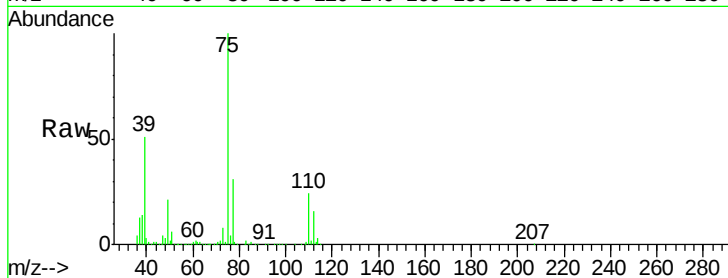
77 30.5 25.6 38.4

Manual Integrations

APPROVED

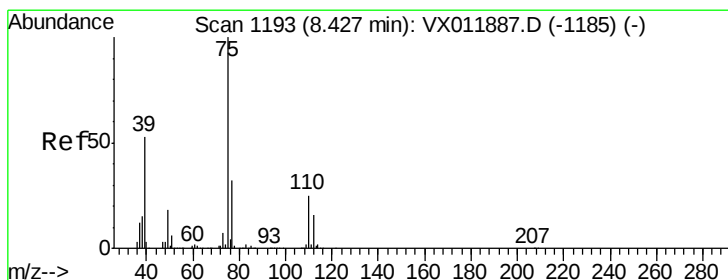
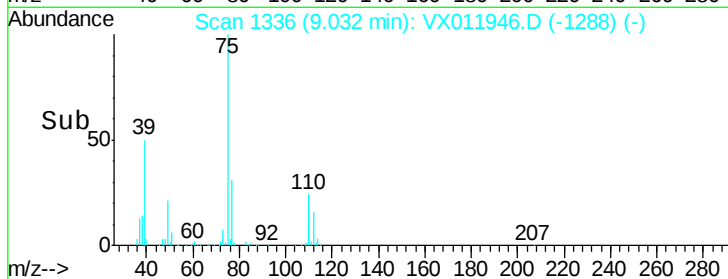
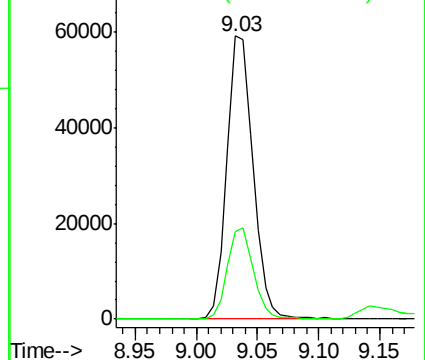
sam

9/3/2019 12:52:25 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 20.090 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

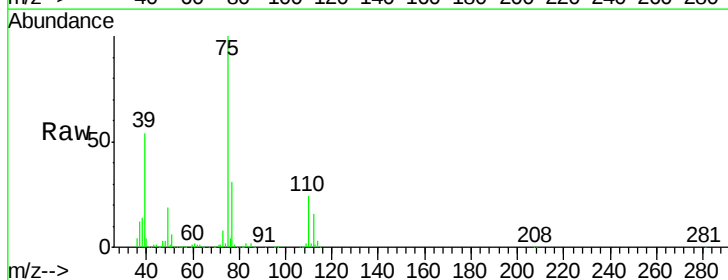
Tgt Ion: 75 Resp: 98168

Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3

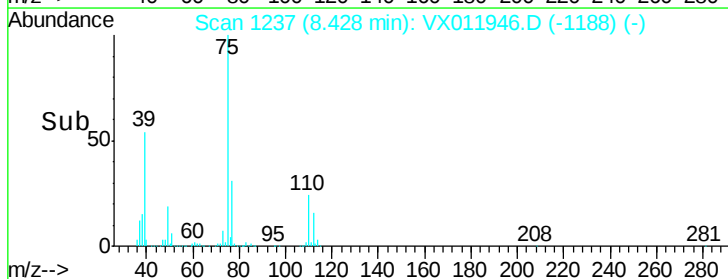
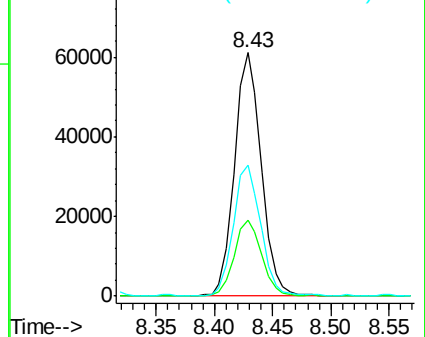
39 53.5 42.6 64.0

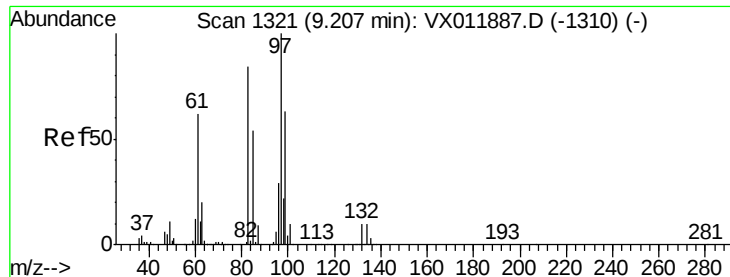


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





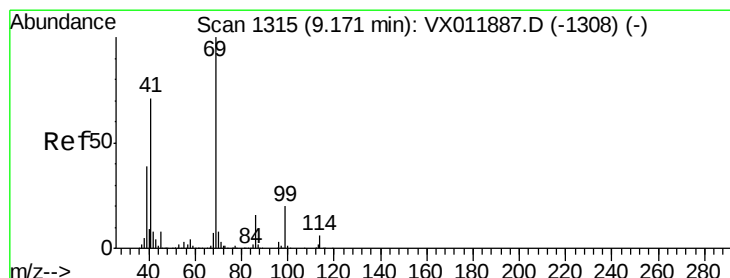
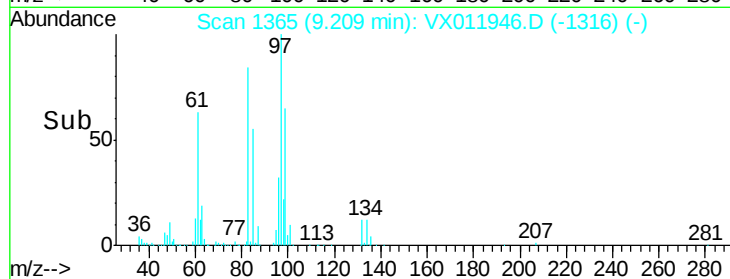
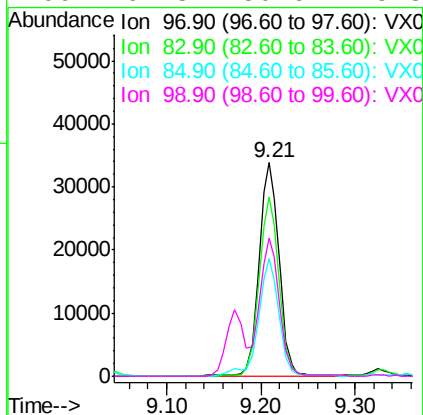
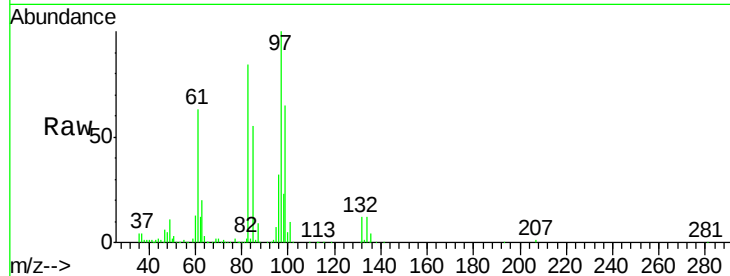
#55
 1,1,2-Trichloroethane
 Concen: 20.371 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX011946.D
 Acq: 31 Aug 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		51110		
83	83.5	66.8	100.2		
85	54.7	43.5	65.3		
99	64.8	50.6	75.8		

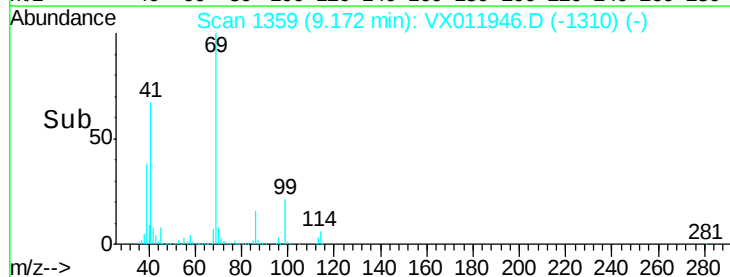
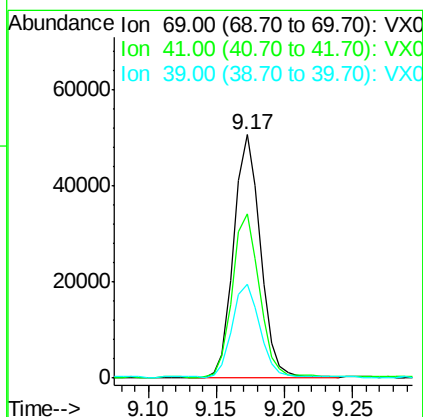
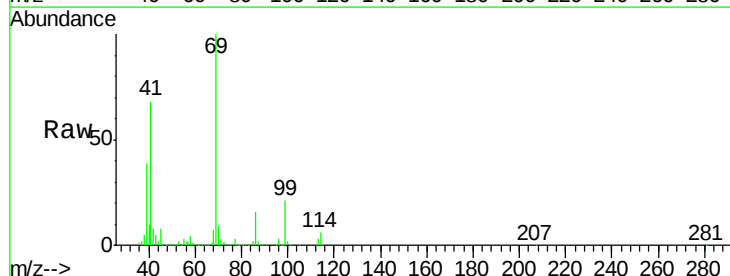
Manual Integrations
 APPROVED

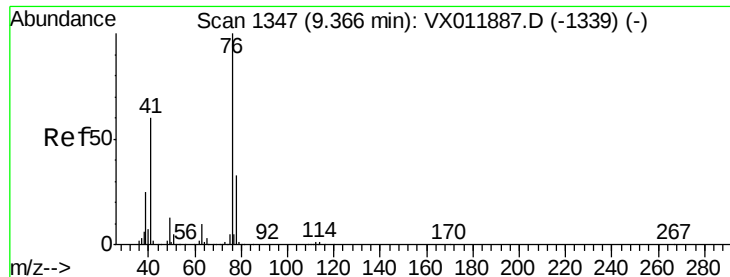
sam
 9/3/2019 12:52:25 PM



#56
 Ethyl methacrylate
 Concen: 19.926 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX011946.D
 Acq: 31 Aug 2019 13:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		69384		
41	68.2	55.8	83.8		
39	39.7	31.1	46.7		





#57

1,3-Dichloropropane

Concen: 20.445 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS01

Tot Ion: 76 Resp: 85139

Ion Ratio Lower Upper

76 100

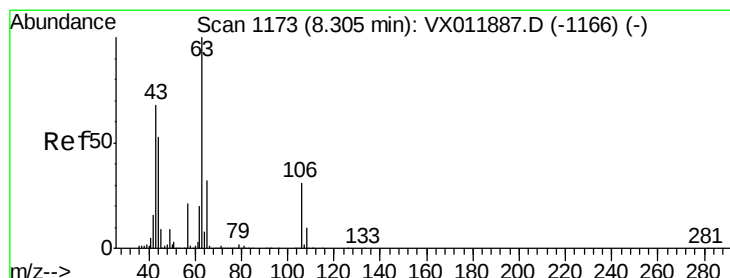
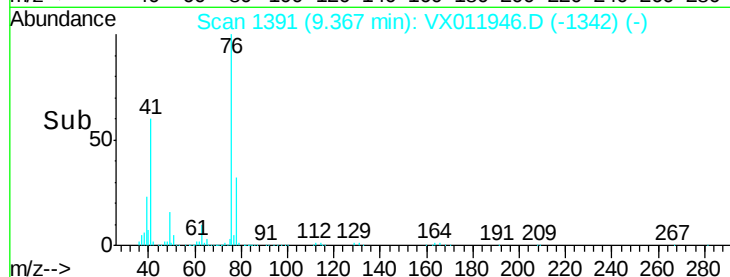
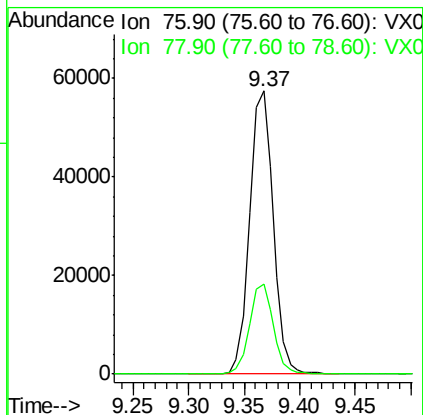
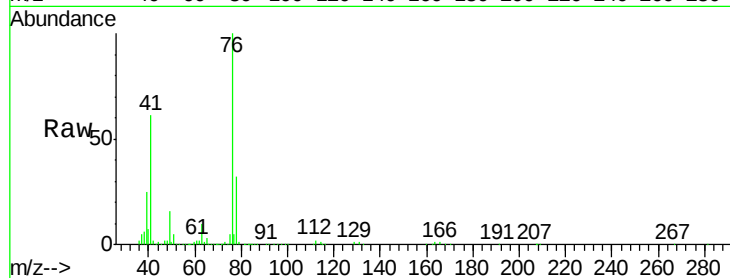
78 32.2 26.4 39.6

Manual Integrations

APPROVED

sam

9/3/2019 12:52:25 PM



#58

2-Chloroethyl Vinyl ether

Concen: 96.853 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX011946.D

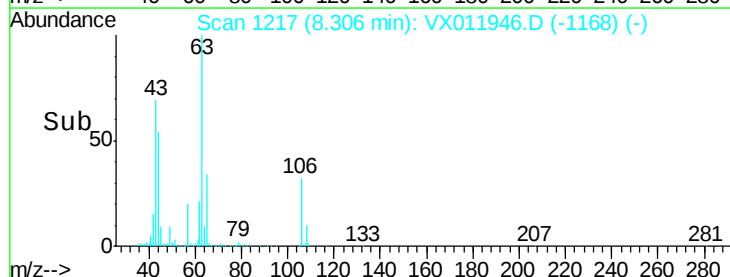
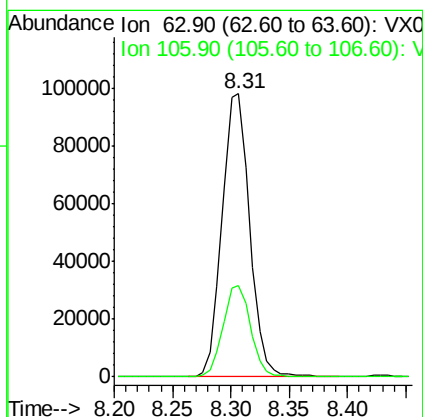
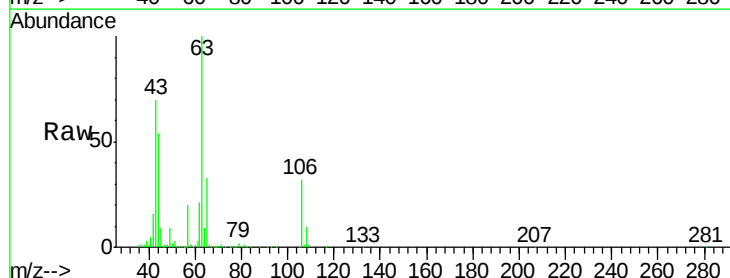
Acq: 31 Aug 2019 13:04

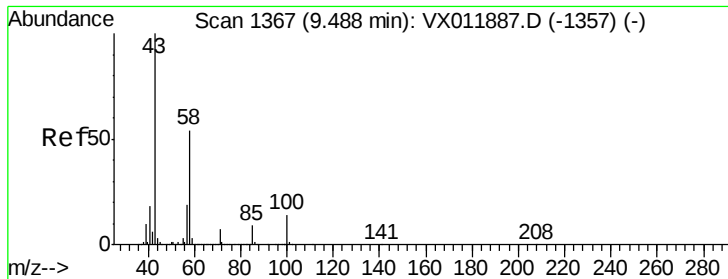
Tgt Ion: 63 Resp: 160628

Ion Ratio Lower Upper

63 100

106 32.4 24.8 37.2





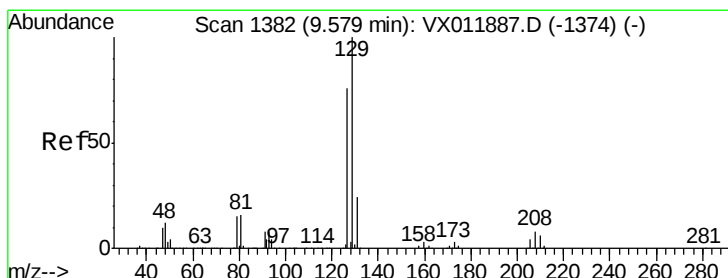
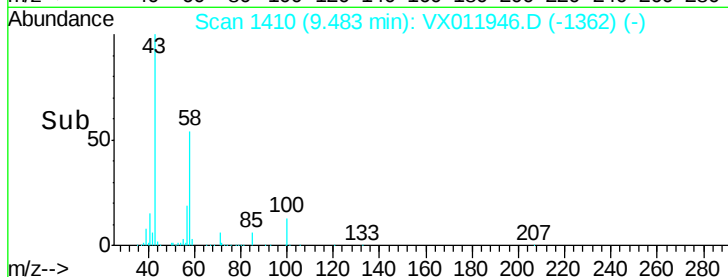
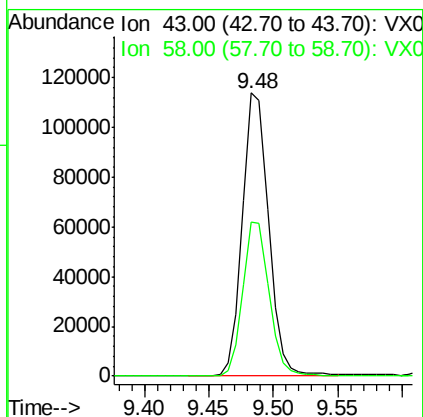
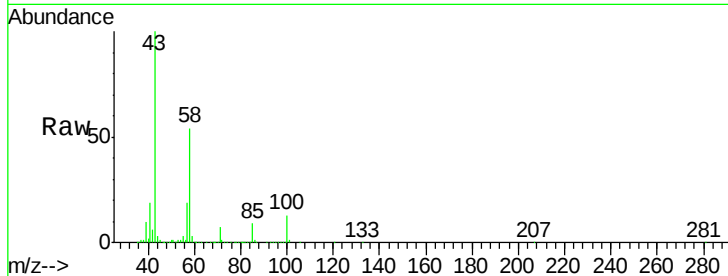
#59
2-Hexanone
Concen: 99.861 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS01

Tot Ion: 43 Resp: 159945
Ion Ratio Lower Upper
43 100
58 54.7 26.8 80.4

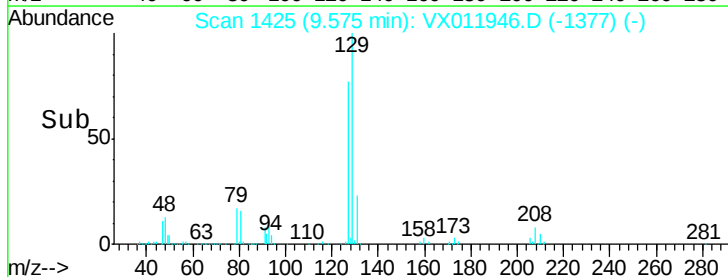
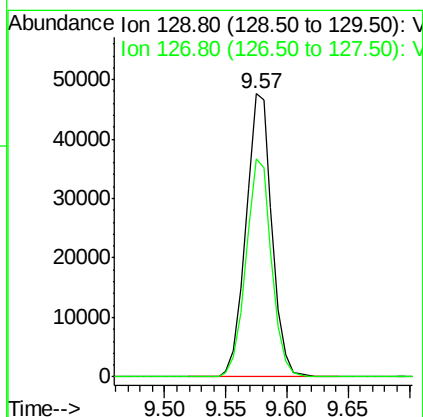
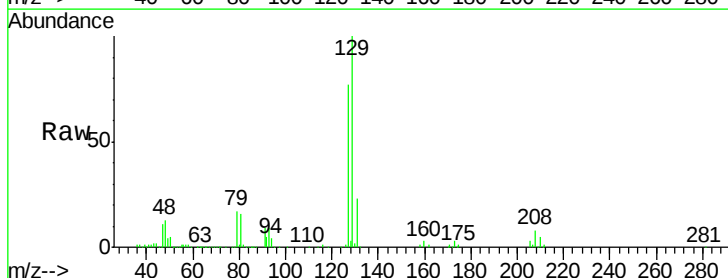
Manual Integrations
APPROVED

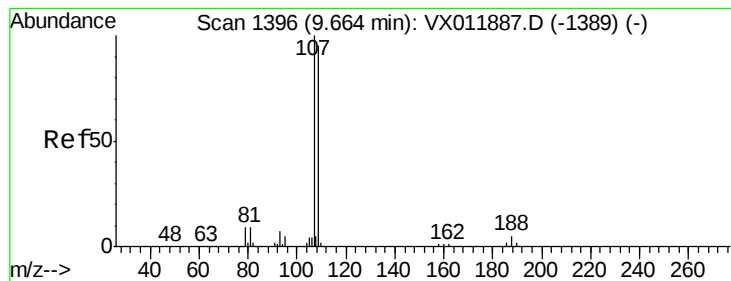
sam
9/3/2019 12:52:25 PM



#60
Dibromochloromethane
Concen: 20.861 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Tgt Ion: 129 Resp: 70296
Ion Ratio Lower Upper
129 100
127 75.7 38.6 115.7





#61

1,2-Dibromoethane

Concen: 20.640 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBSD01

Tot Ion:107 Resp: 51341

Ion Ratio Lower Upper

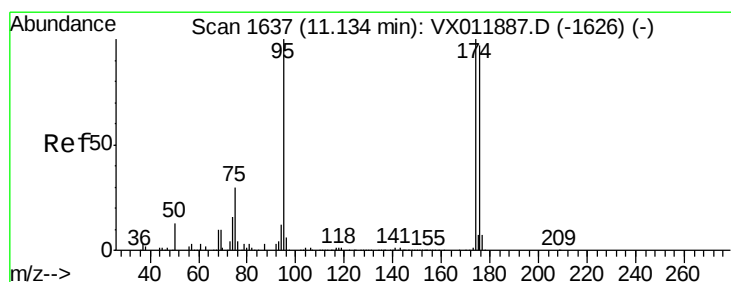
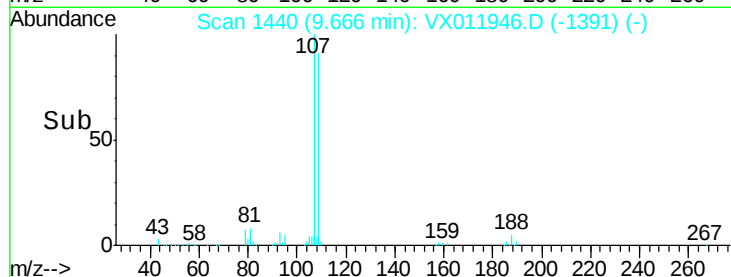
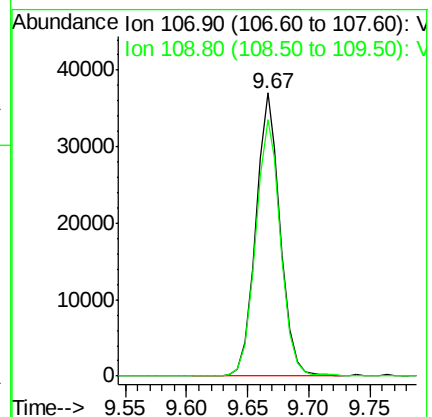
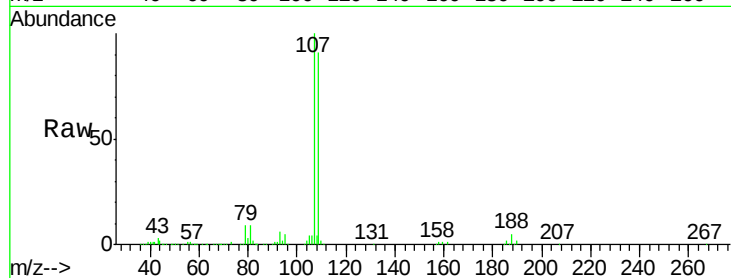
107 100

109 93.9 75.3 112.9

Manual Integrations
APPROVED

sam

9/3/2019 12:52:25 PM



#62

4-Bromofluorobenzene

Concen: 50.284 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

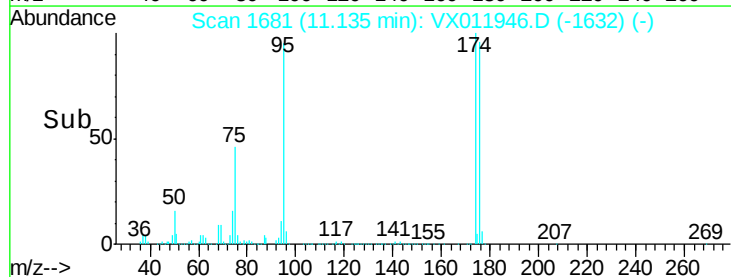
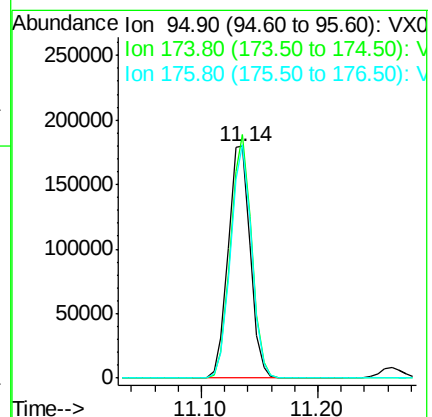
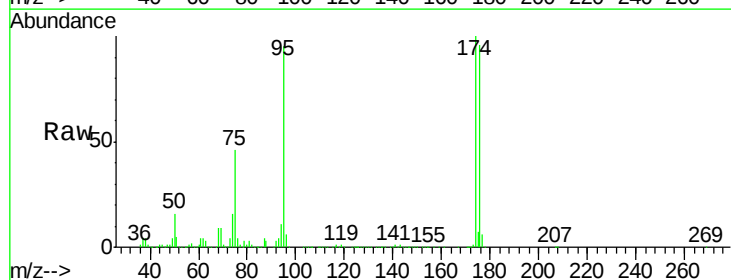
Tgt Ion: 95 Resp: 236036

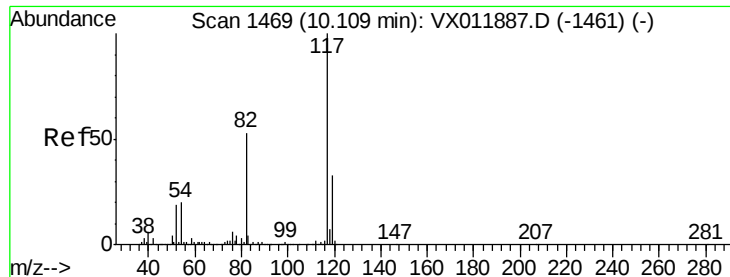
Ion Ratio Lower Upper

95 100

174 99.6 0.0 196.0

176 95.9 0.0 191.4





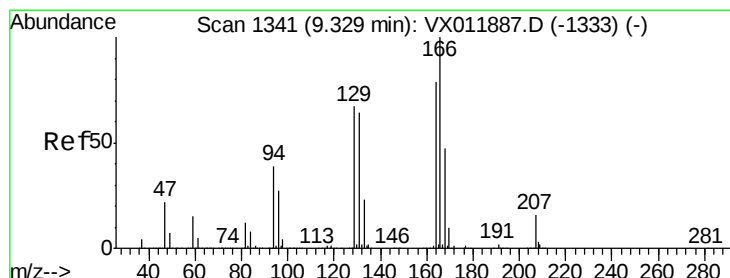
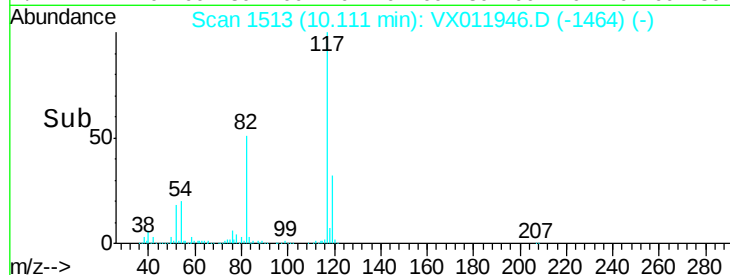
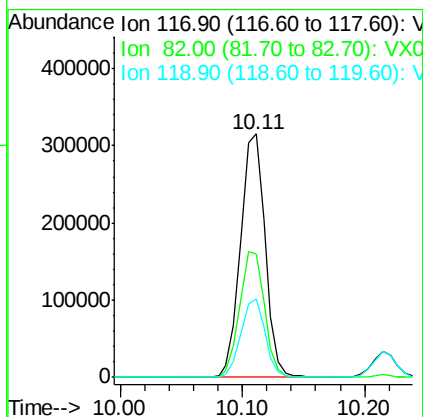
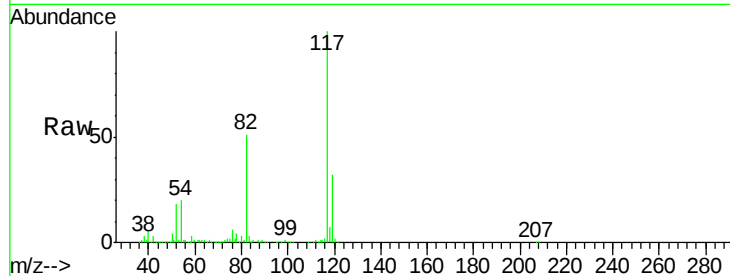
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	438035		
82	50.9		42.0	63.0
119	32.5		26.2	39.4

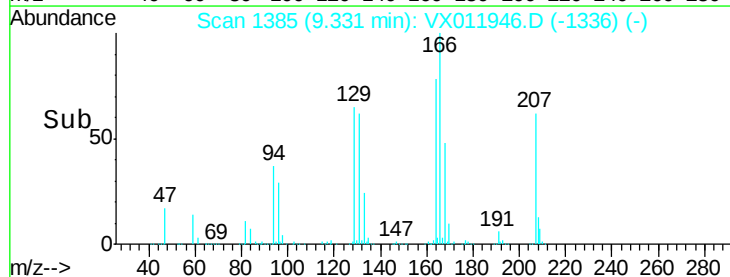
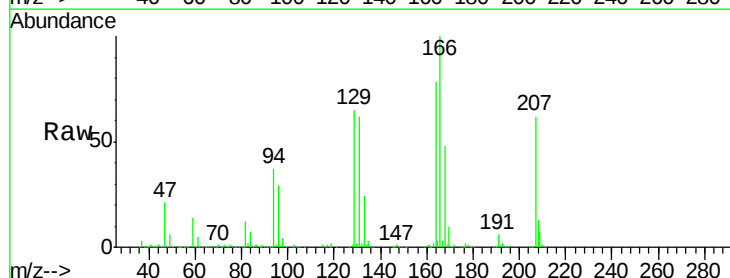
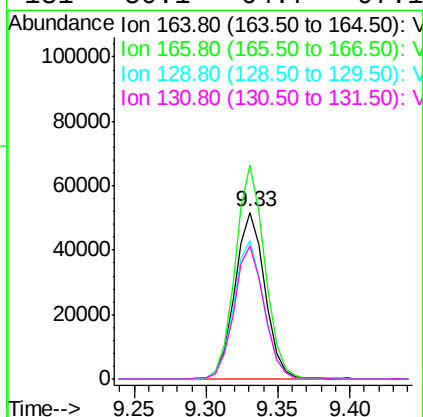
Manual Integrations
APPROVED

sam
9/3/2019 12:52:25 PM



#64
Tetrachloroethene
Concen: 21.352 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	75233		
166	128.3		101.4	152.0
129	83.1		68.0	102.0
131	80.1		64.7	97.1





#65

Chlorobenzene

Concen: 21.112 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS01

Tot Ion:112 Resp: 179209

Ion Ratio Lower Upper

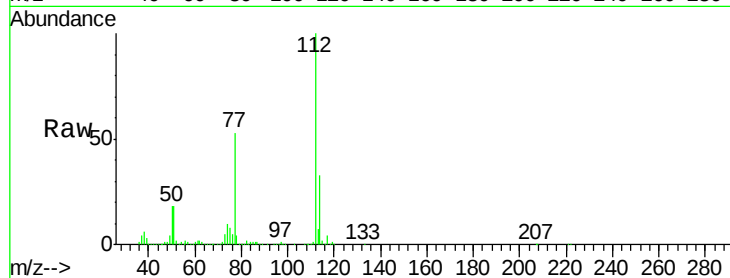
112 100

114 32.6 25.9 38.9

Manual Integrations
APPROVED

sam

9/3/2019 12:52:25 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

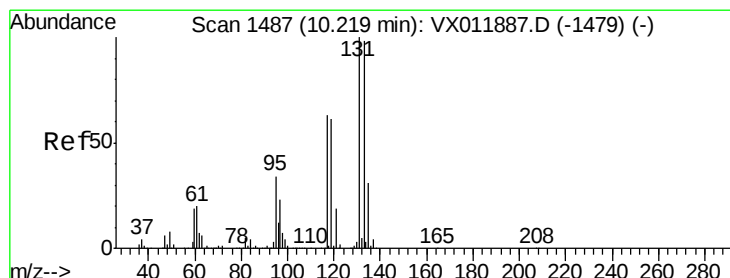
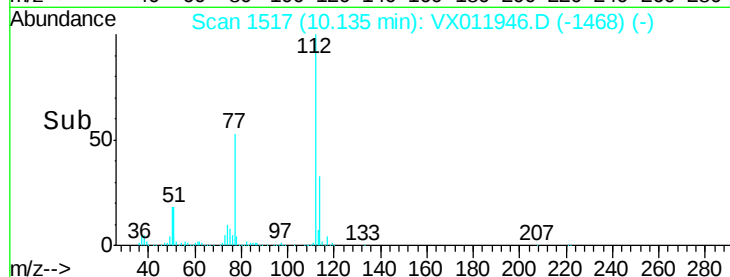
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.072 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

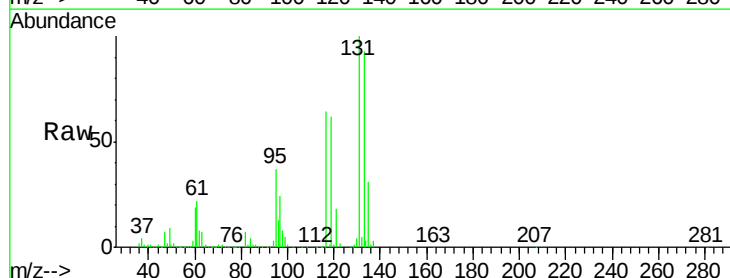
Tgt Ion:131 Resp: 72334

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

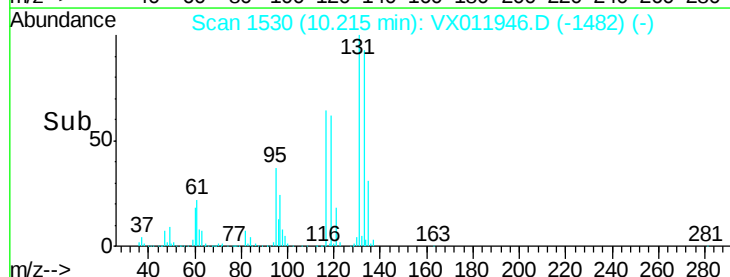
10.21

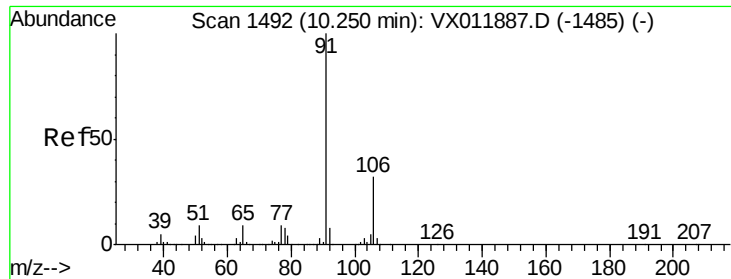
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 21.087 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

Instrument :

MSVOA_X

ClientSampled :

VX0831SBS01

Tot Ion: 91 Resp: 304471

Ion Ratio Lower Upper

91 100

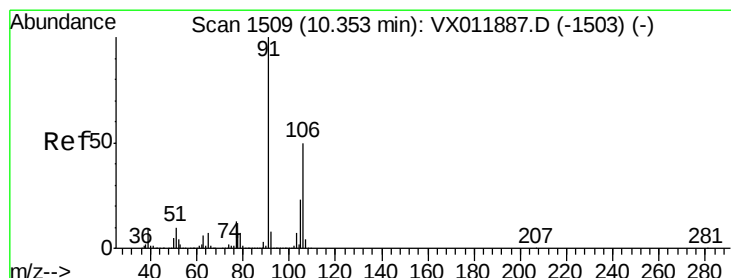
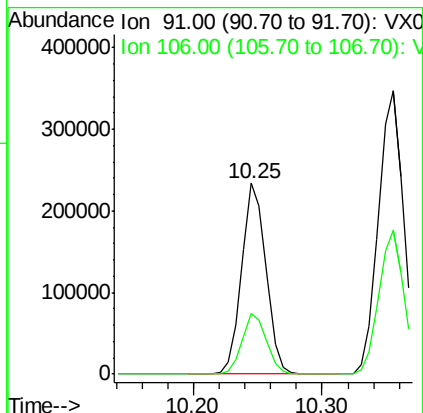
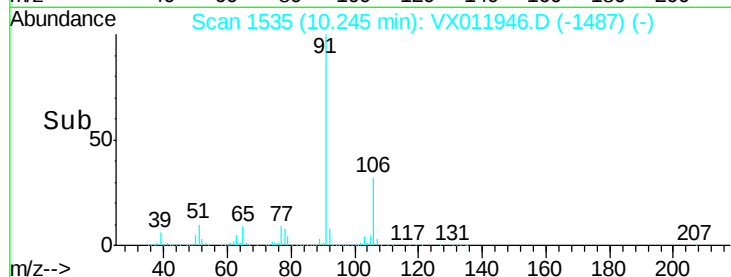
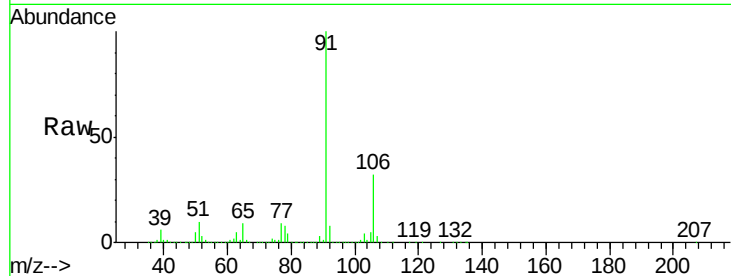
106 32.0 25.8 38.8

Manual Integrations

APPROVED

sam

9/3/2019 12:52:25 PM



#68

m/p-Xylenes

Concen: 42.294 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX011946.D

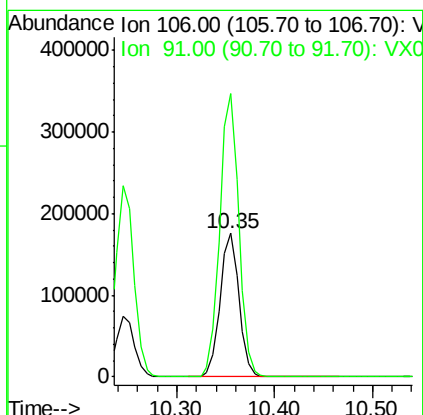
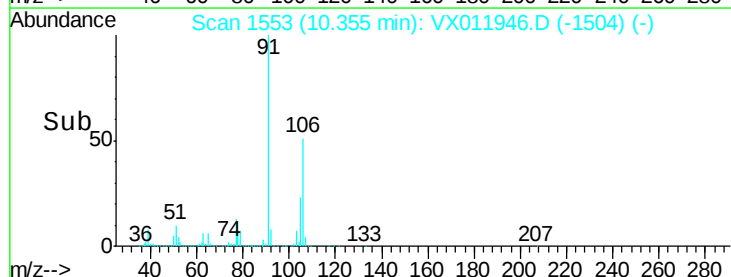
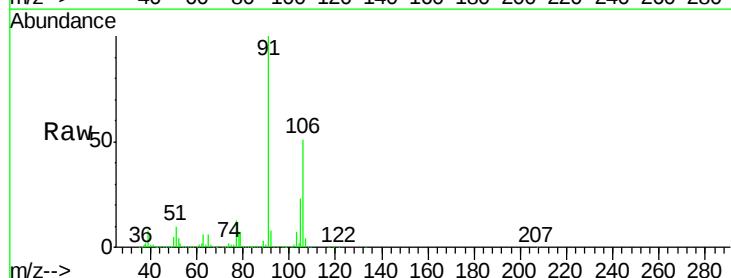
Acq: 31 Aug 2019 13:04

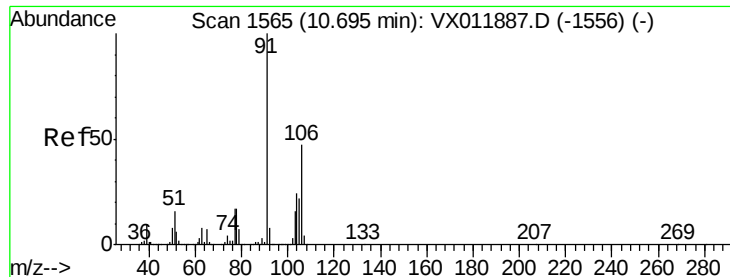
Tgt Ion: 106 Resp: 235807

Ion Ratio Lower Upper

106 100

91 198.8 158.6 237.8





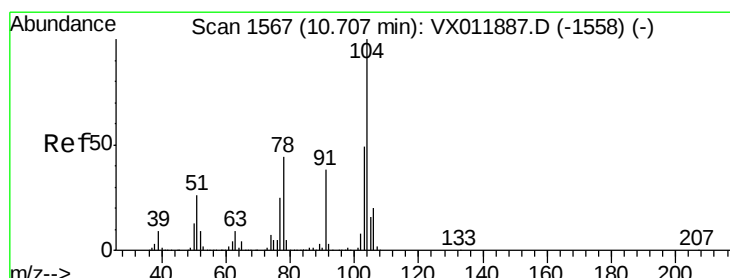
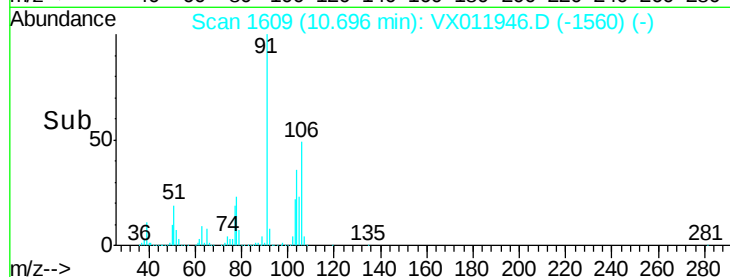
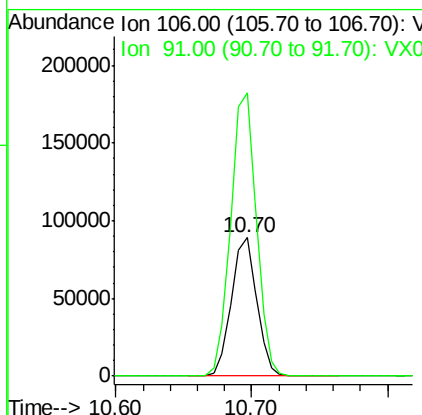
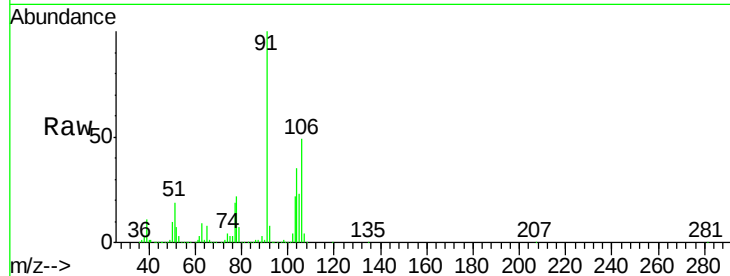
#69
o-Xylene
Concen: 21.319 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		115828		
91	207.7	104.8	314.6		

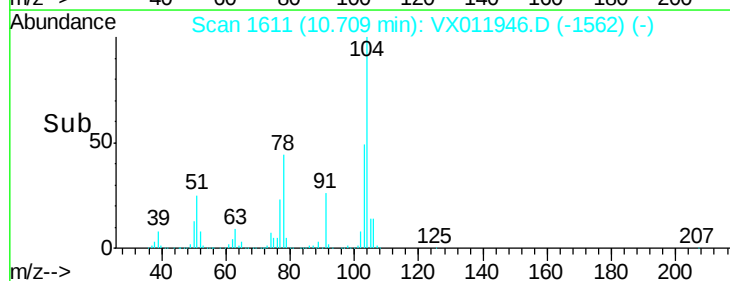
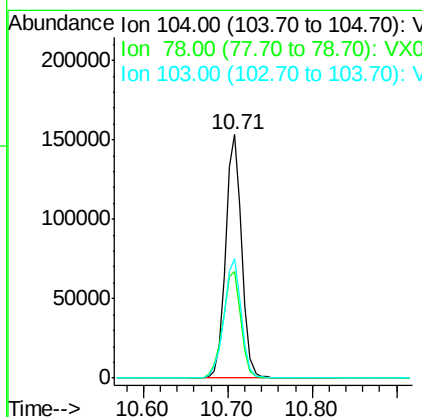
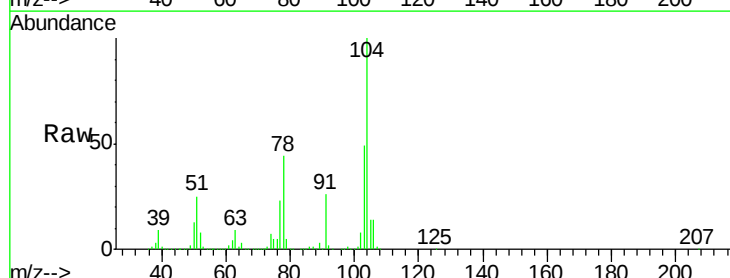
Manual Integrations
APPROVED

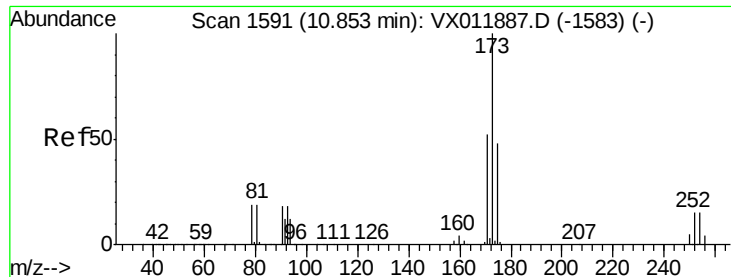
sam
9/3/2019 12:52:25 PM



#70
Styrene
Concen: 21.072 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		201795		
78	49.3	39.2	58.8		
103	53.0	43.0	64.6		





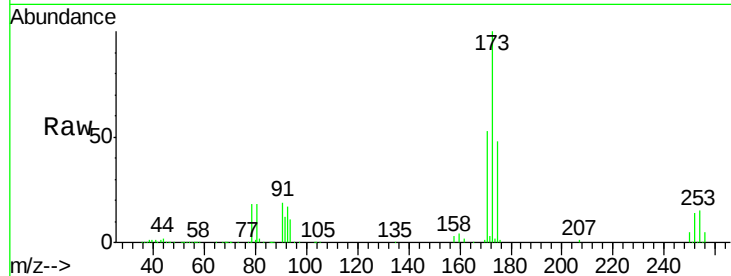
#71
Bromoform
Concen: 20.509 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBSD01

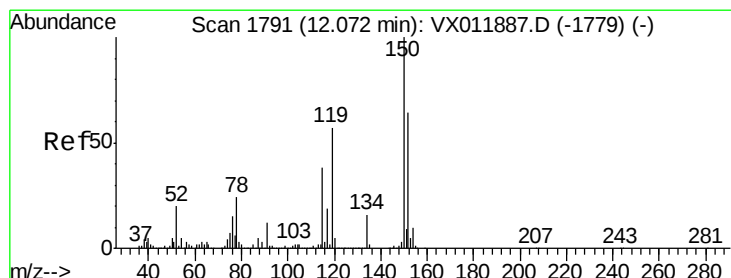
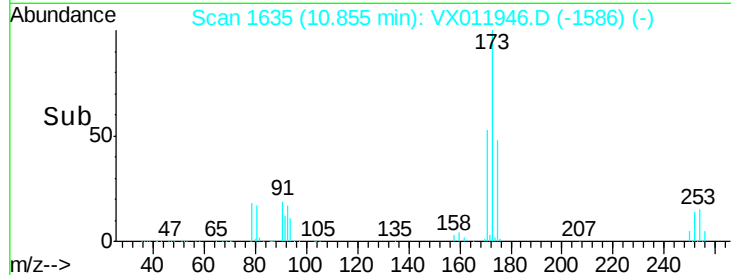
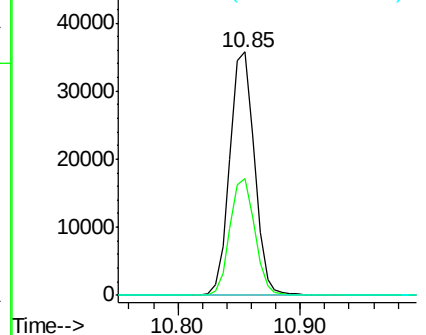
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.4	73.2
254	0.2	0.1	0.1#

Manual Integrations
APPROVED

sam
9/3/2019 12:52:25 PM

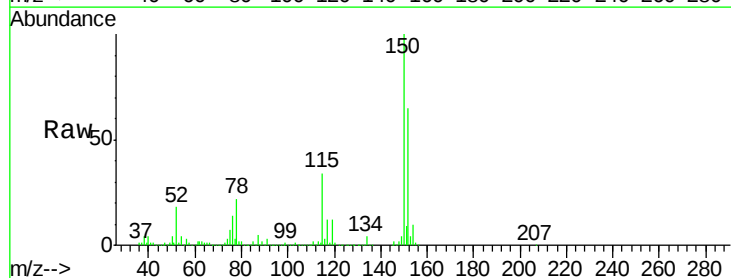


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

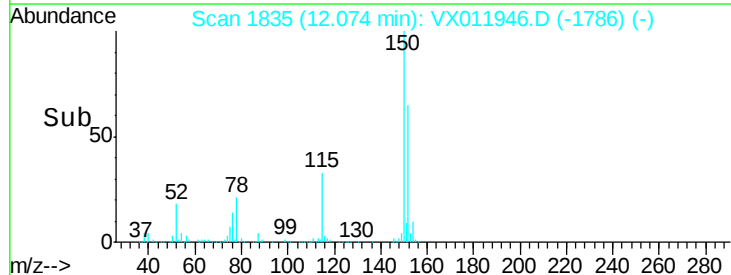
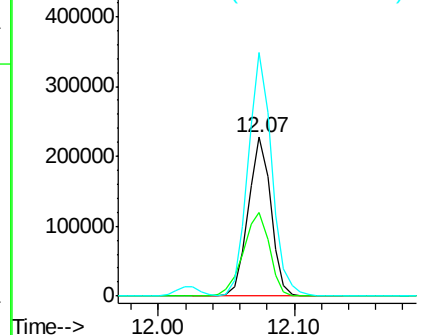


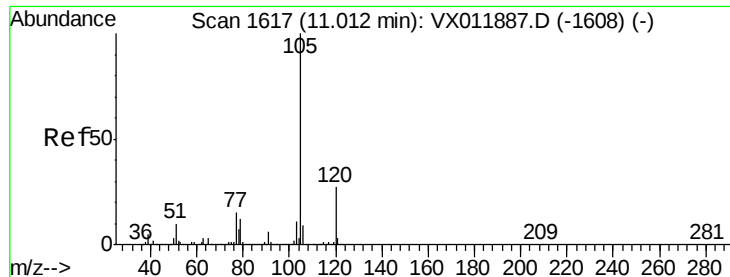
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.2	37.1	111.3
150	161.2	0.0	339.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.635 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS01

Tot Ion: 105 Resp: 312775

Ion Ratio Lower Upper

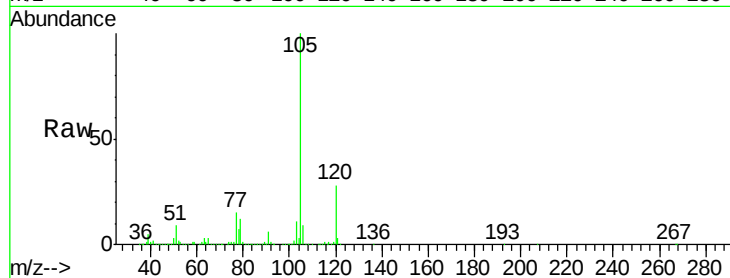
105 100

120 27.5 13.8 41.4

Manual Integrations
APPROVED

sam

9/3/2019 12:52:25 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

100000

50000

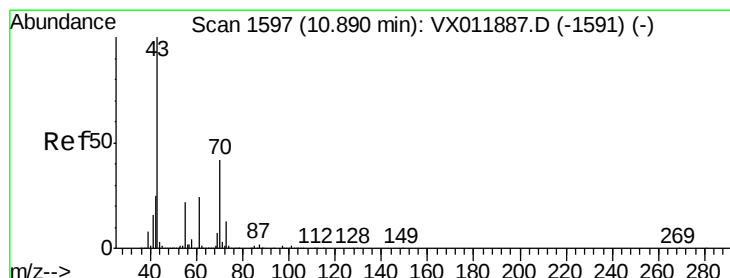
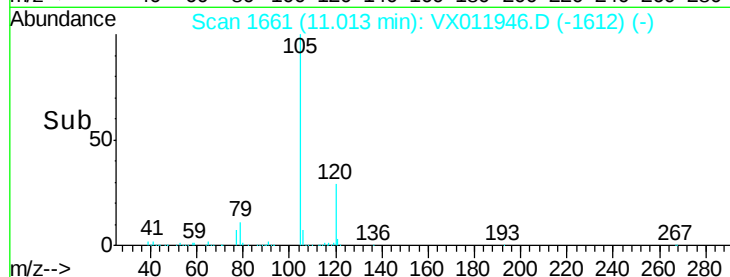
0

11.01

10.90

11.10

Time-->



#74

N-ethyl acetate

Concen: 19.572 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

Tgt Ion: 43 Resp: 88038

Ion Ratio Lower Upper

43 100

70 41.5 0.2 0.2#

55 23.1 0.1 0.1#

61 24.2 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

120000

100000

80000

60000

40000

20000

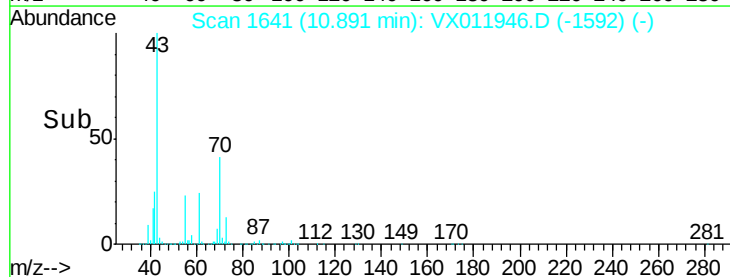
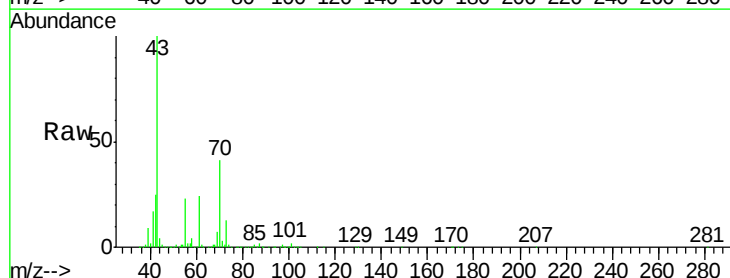
0

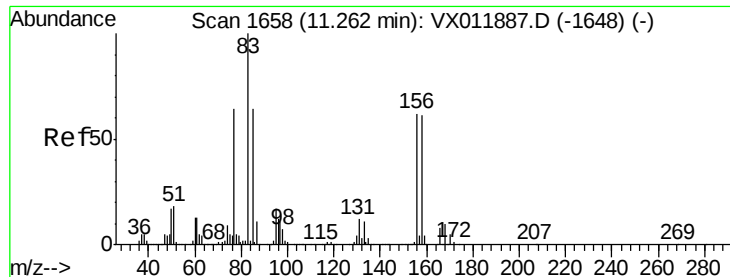
10.89

10.80

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.055 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

Instrument :

MSVOA_X

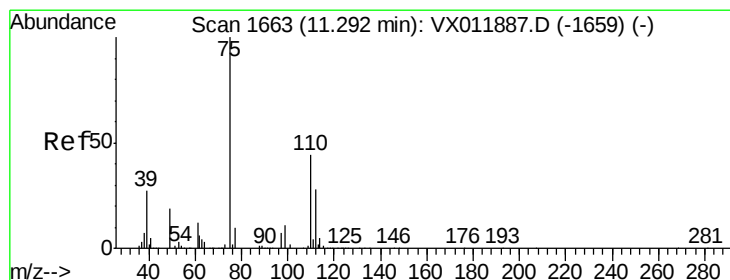
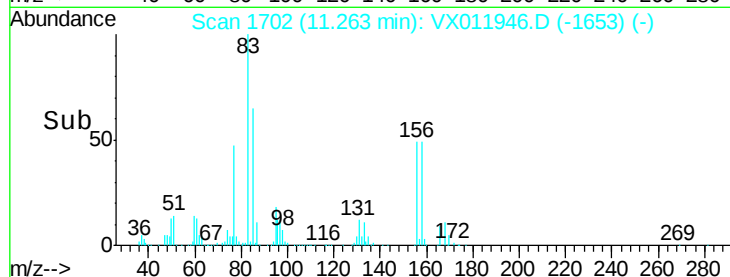
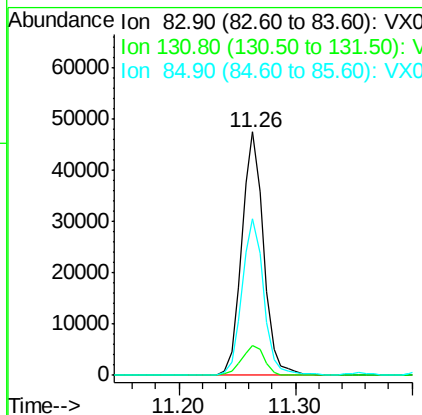
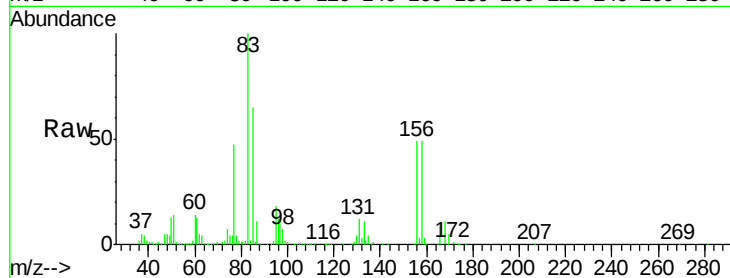
ClientSampleId :

VX0831SBS01

Tot Ion:	83	Resp:	62210
Ion	Ratio	Lower	Upper
83	100		
131	12.8	6.0	18.0
85	64.4	31.9	95.9

Manual Integrations
APPROVED

sam
9/3/2019 12:52:25 PM



#76

1,2,3-Trichloropropane

Concen: 20.763 ug/l m

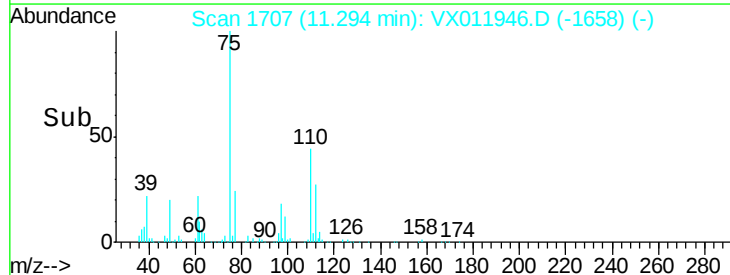
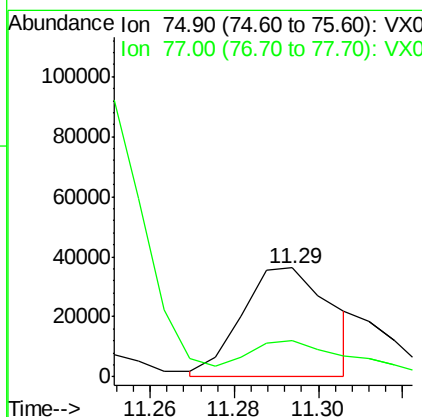
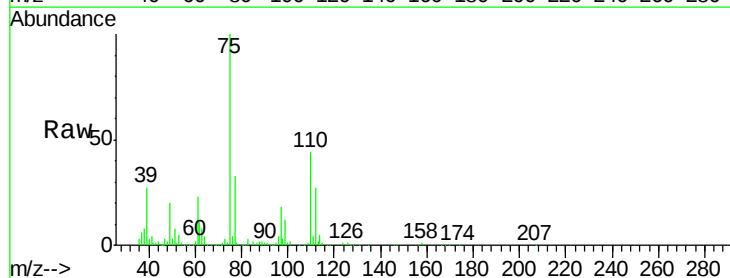
RT: 11.29 min Scan# 1707

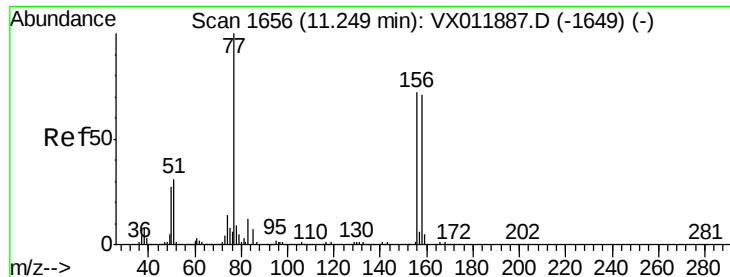
Delta R.T. 0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

Tgt Ion:	75	Resp:	53880
Ion	Ratio	Lower	Upper
75	100		
77	39.0	20.9	62.7





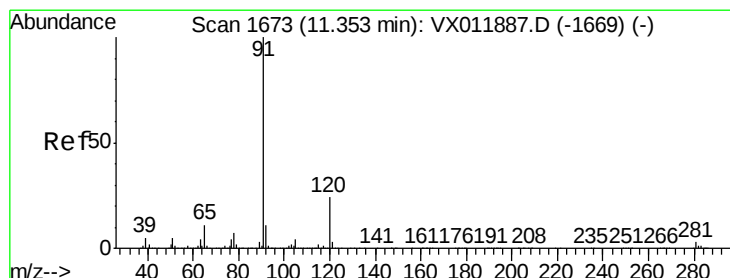
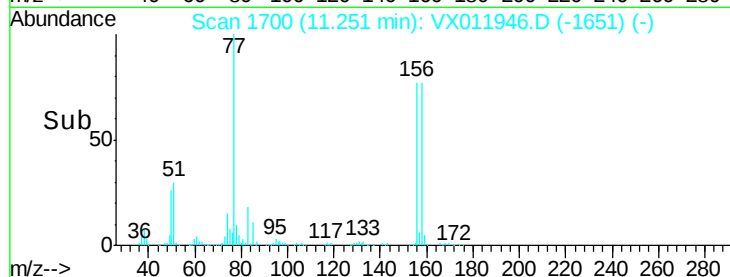
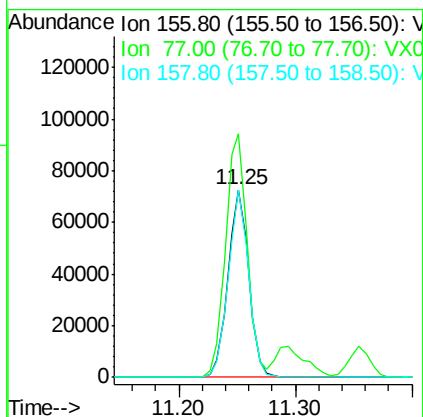
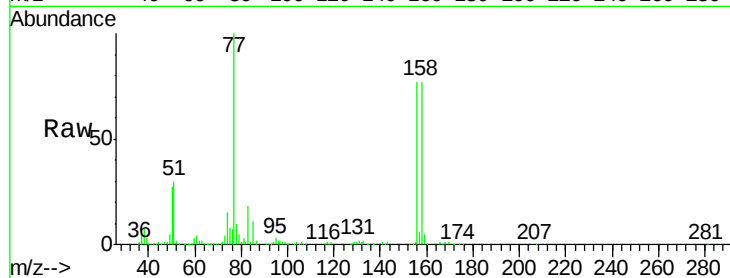
#77
Bromobenzene
Concen: 20.461 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	134.5	68.1	204.3
158	98.1	48.9	146.8

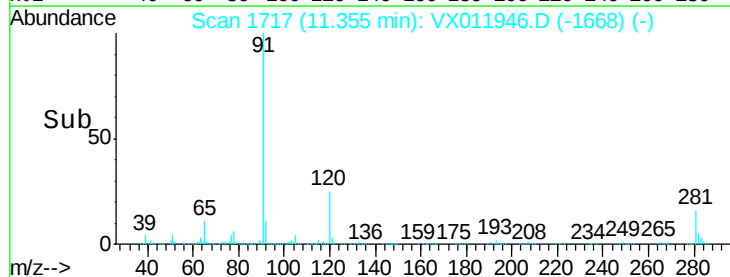
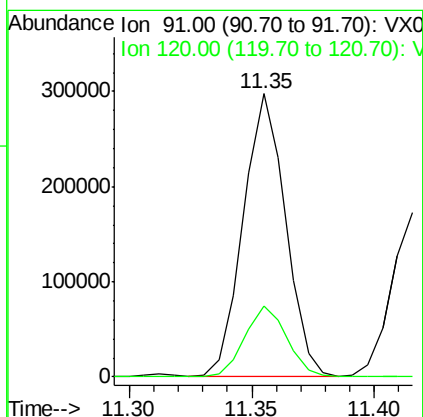
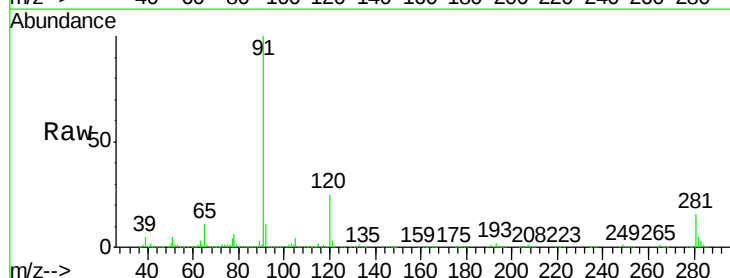
Manual Integrations
APPROVED

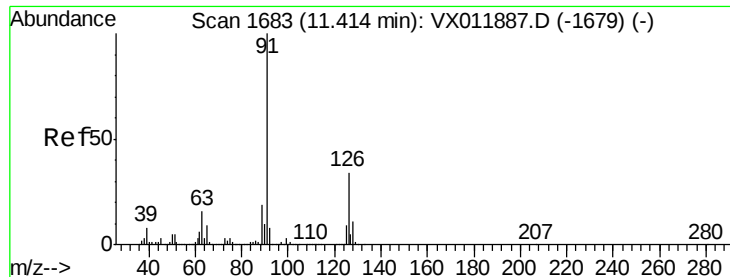
sam
9/3/2019 12:52:25 PM



#78
n-propylbenzene
Concen: 20.641 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.2	12.3	36.9





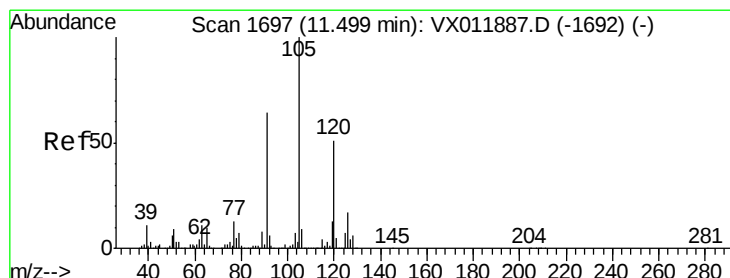
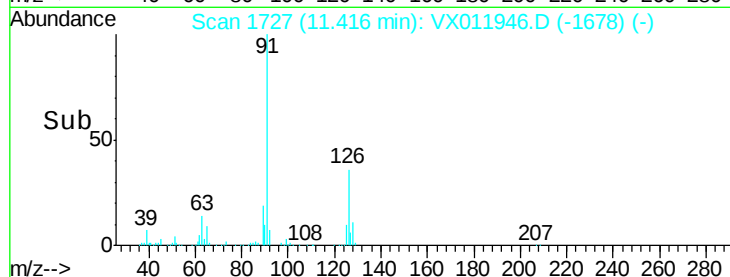
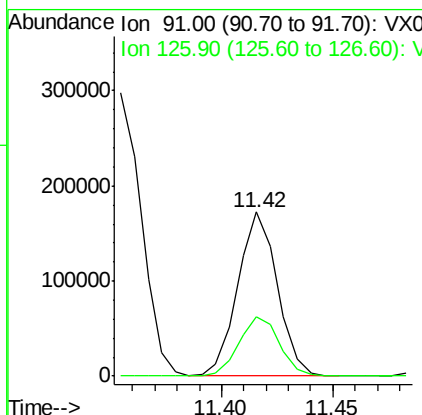
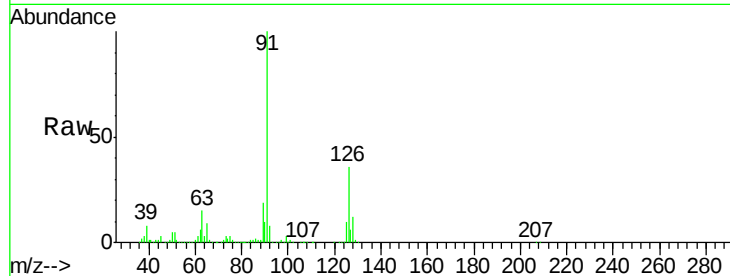
#79
 2-Chlorotoluene
 Concen: 20.630 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX011946.D
 Acq: 31 Aug 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBSD01

Tot Ion: 91 Resp: 213434
 Ion Ratio Lower Upper
 91 100
 126 37.1 17.9 53.8

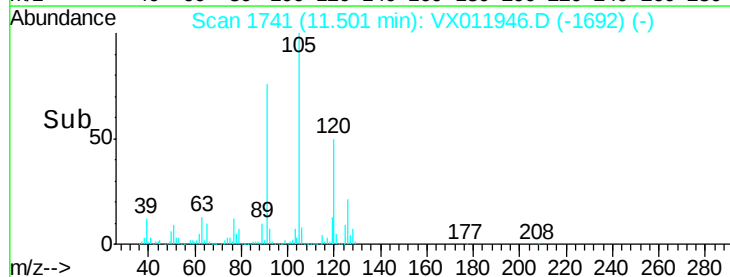
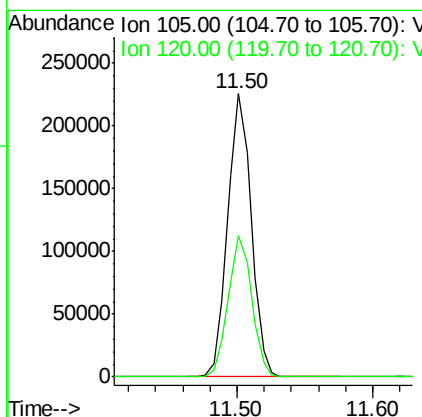
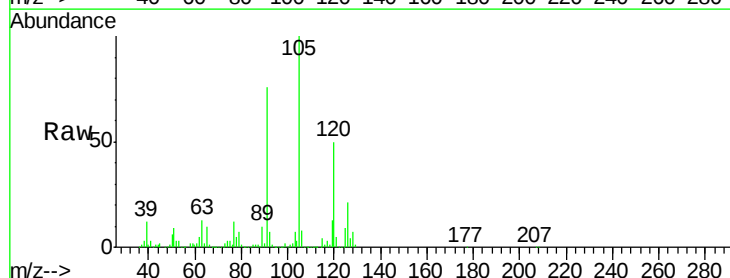
Manual Integrations
 APPROVED

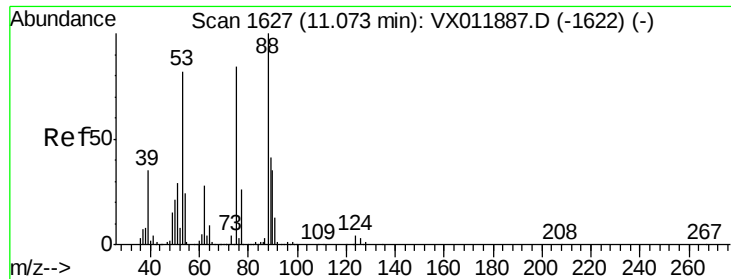
sam
 9/3/2019 12:52:25 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.753 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011946.D
 Acq: 31 Aug 2019 13:04

Tgt Ion: 105 Resp: 271505
 Ion Ratio Lower Upper
 105 100
 120 50.2 25.3 75.9





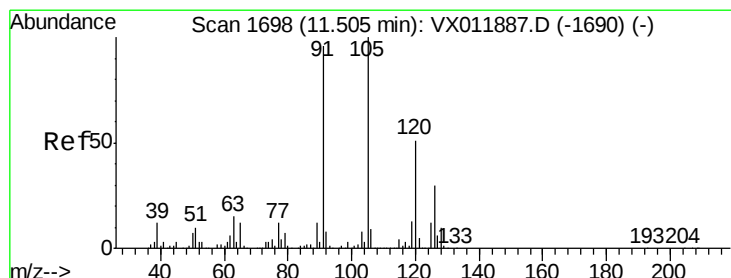
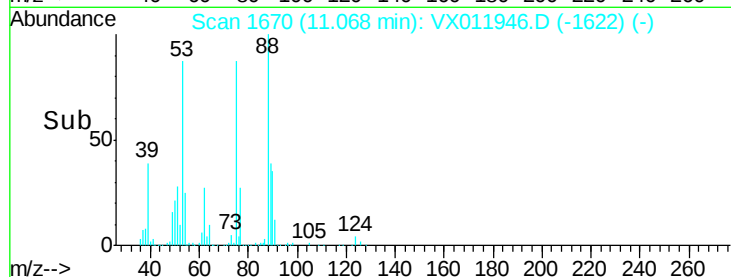
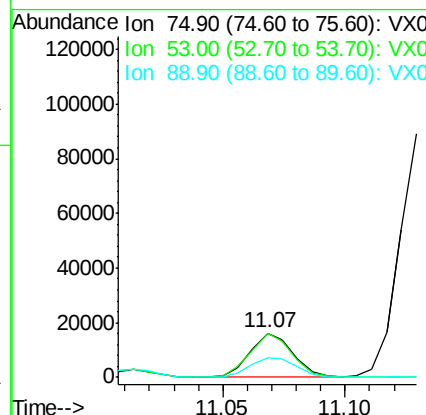
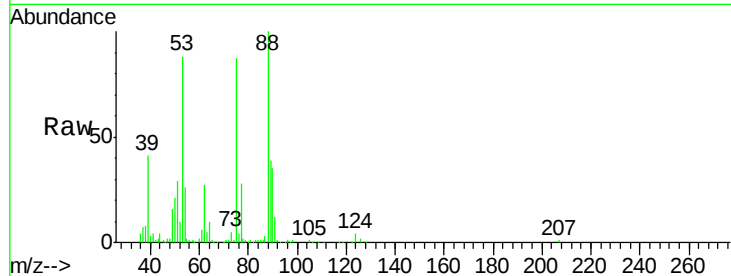
#81
trans-1,4-Dichloro-2-butene
Concen: 18.852 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.7	77.1	115.7
89	49.7	38.2	57.2

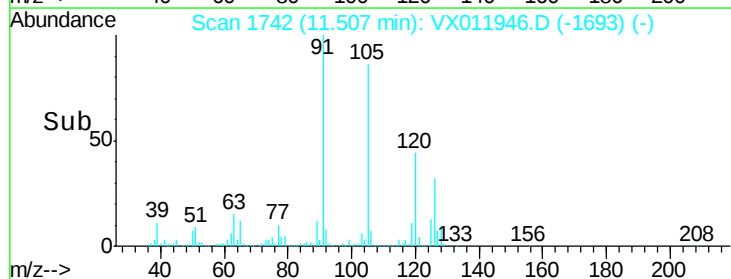
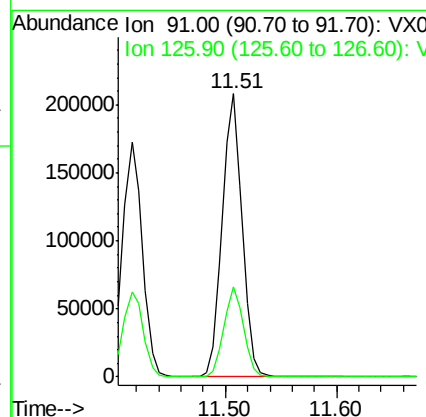
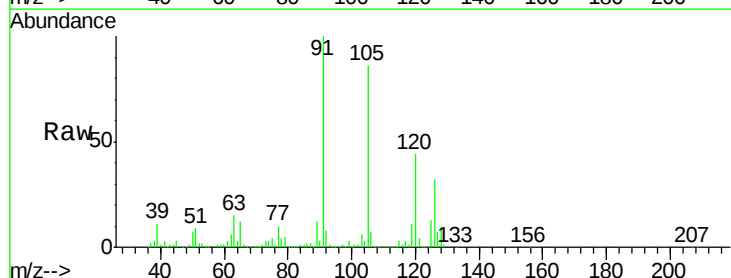
Manual Integrations
APPROVED

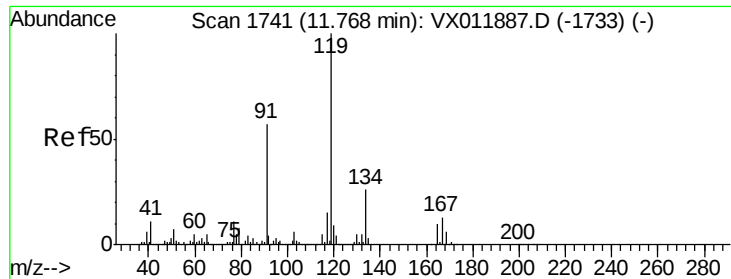
sam
9/3/2019 12:52:25 PM



#82
4-Chlorotoluene
Concen: 20.593 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.9	47.6





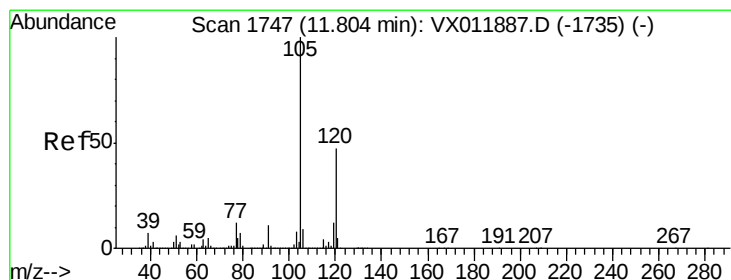
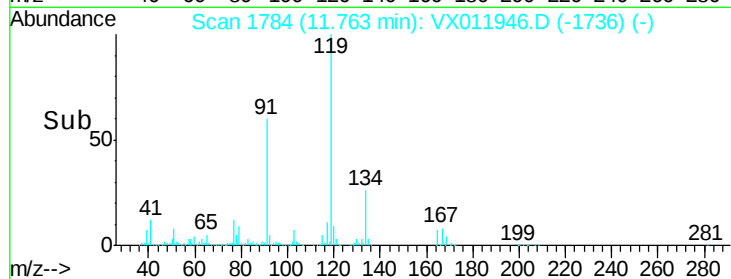
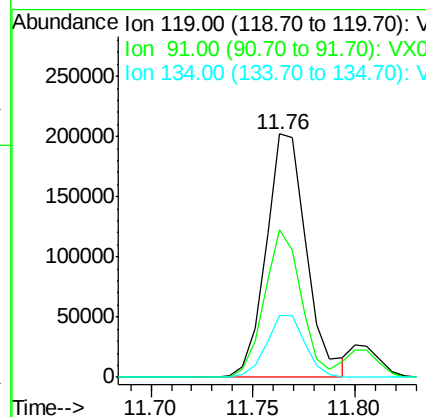
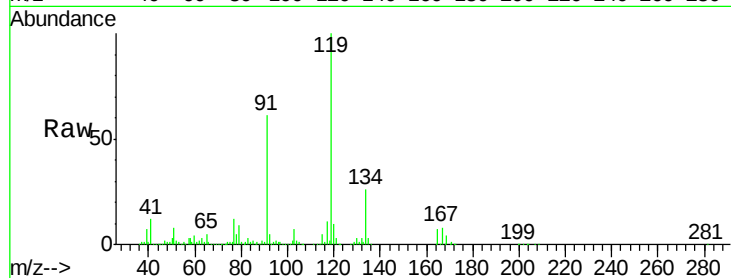
#83
 tert-Butylbenzene
 Concen: 21.008 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX011946.D
 Acq: 31 Aug 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0831SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	278891		
91	54.9	27.9	83.6	
134	24.4	12.3	36.8	

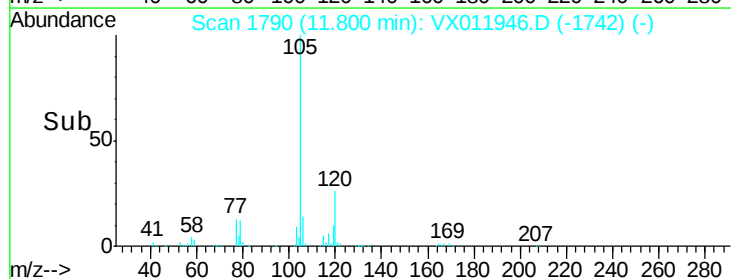
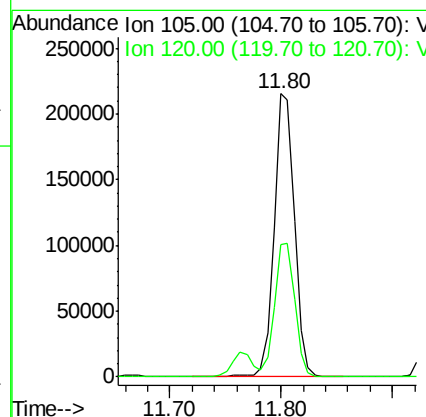
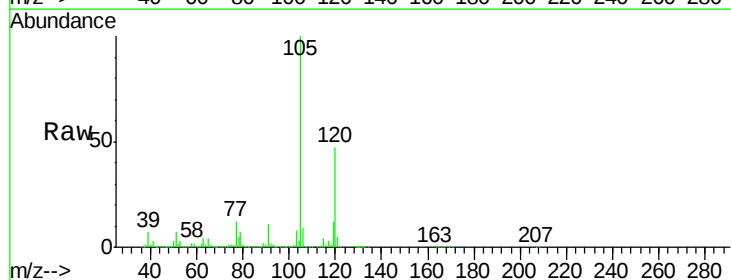
Manual Integrations
 APPROVED

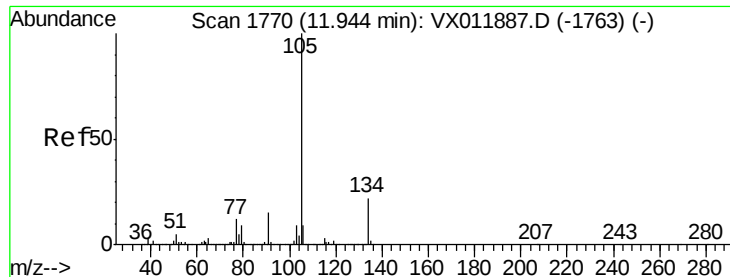
sam
 9/3/2019 12:52:25 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.425 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX011946.D
 Acq: 31 Aug 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	273855		
120	46.9	23.4	70.3	





#85

sec-Butylbenzene

Concen: 20.897 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0831SBS01

Tot Ion:105 Resp: 322220

Ion Ratio Lower Upper

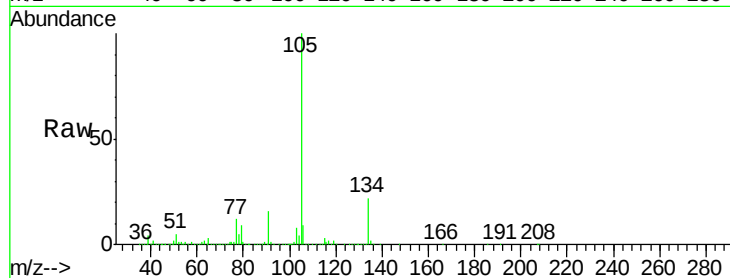
105 100

134 21.9 10.9 32.7

Manual Integrations
APPROVED

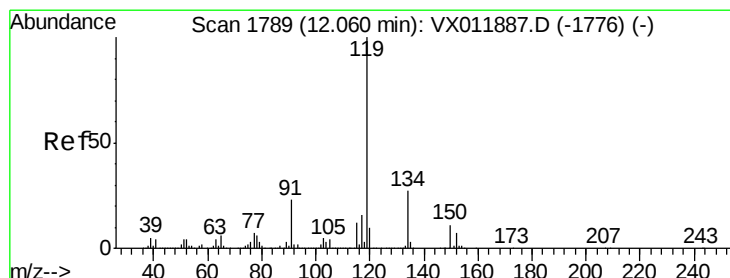
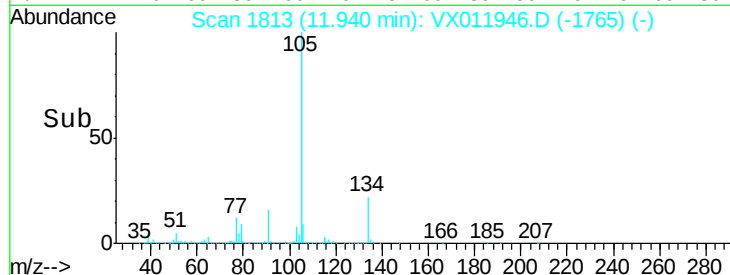
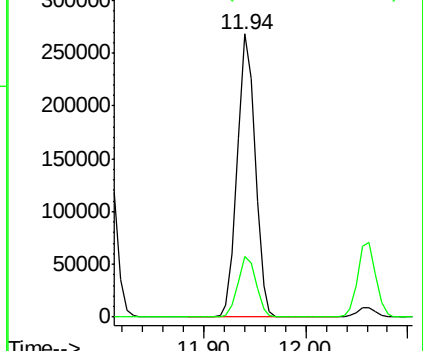
sam

9/3/2019 12:52:25 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.765 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

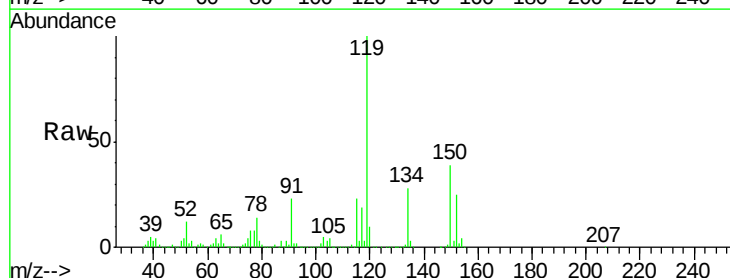
Tgt Ion:119 Resp: 310473

Ion Ratio Lower Upper

119 100

134 27.7 13.7 41.0

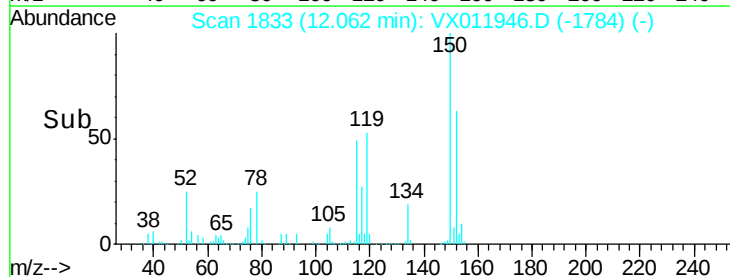
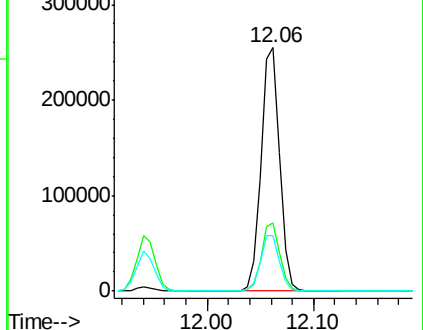
91 23.3 11.6 34.7

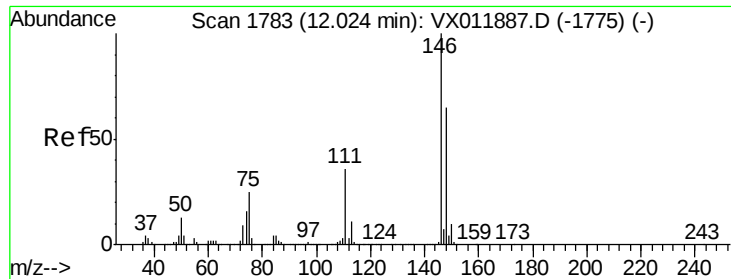


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





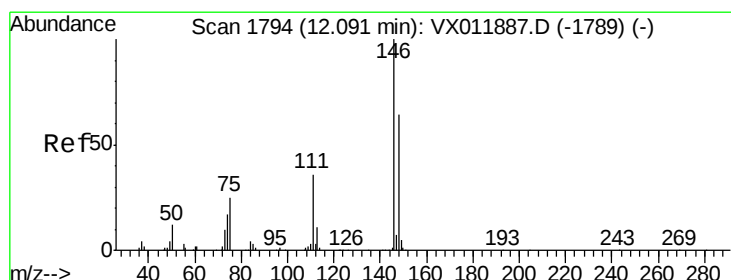
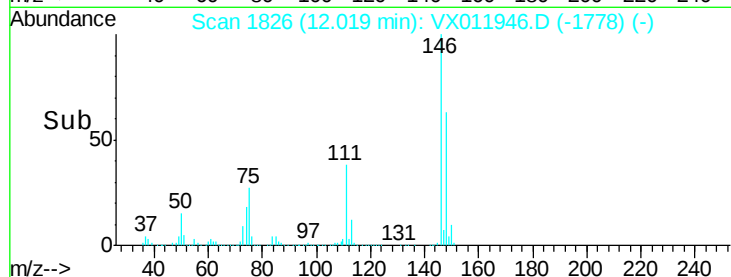
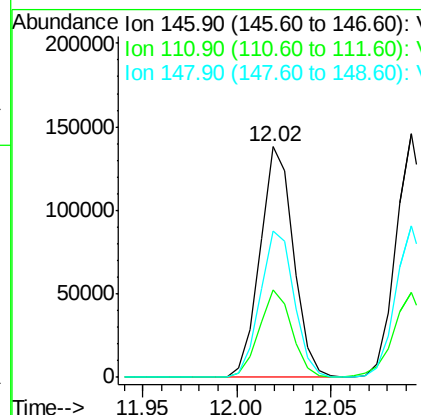
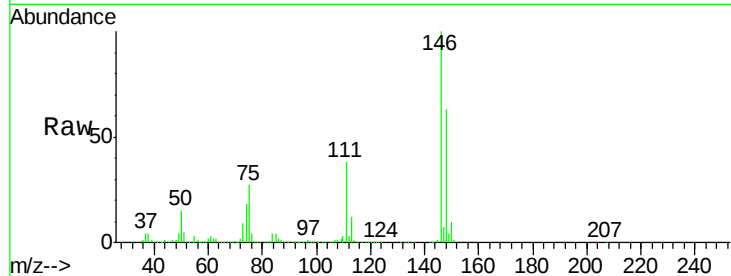
#87
 1,3-Dichlorobenzene
 Concen: 20.753 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX011946.D
 Acq: 31 Aug 2019 13:04

Instrument :
 MSVOA_X
 ClientSampled :
 VX0831SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.4	55.2
148	64.7	32.1	96.5

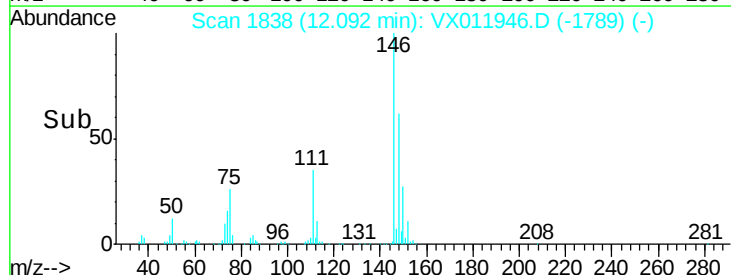
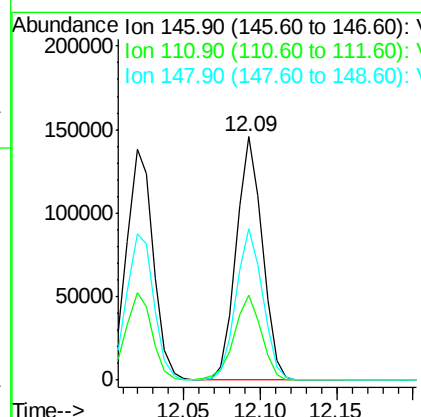
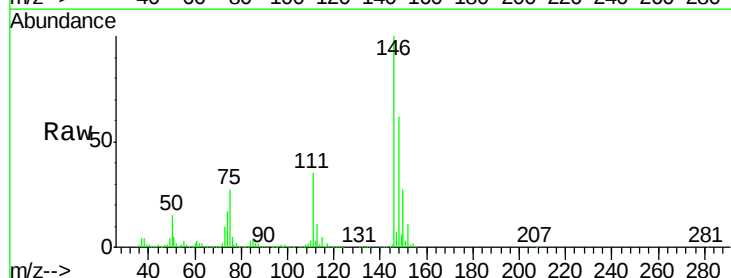
Manual Integrations
 APPROVED

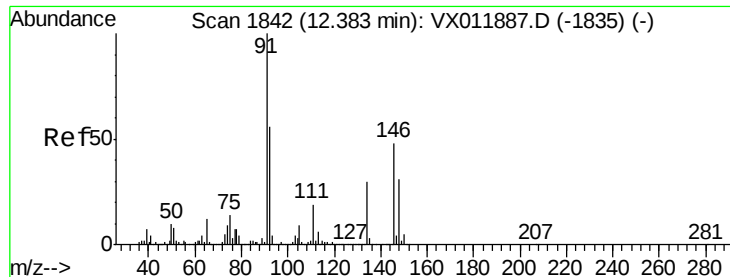
sam
 9/3/2019 12:52:25 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.859 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX011946.D
 Acq: 31 Aug 2019 13:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	17.9	53.7
148	63.7	32.4	97.0





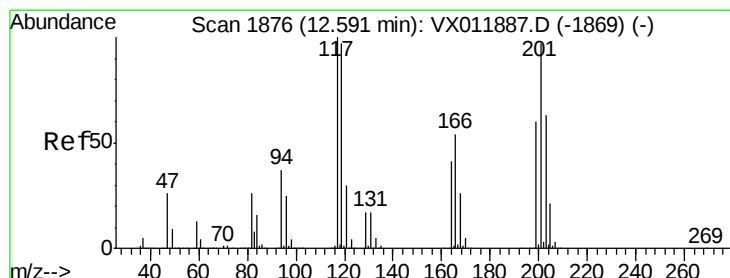
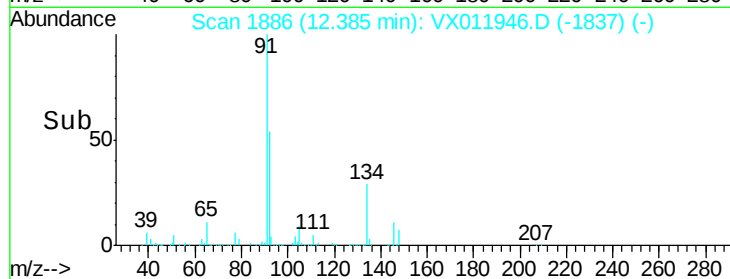
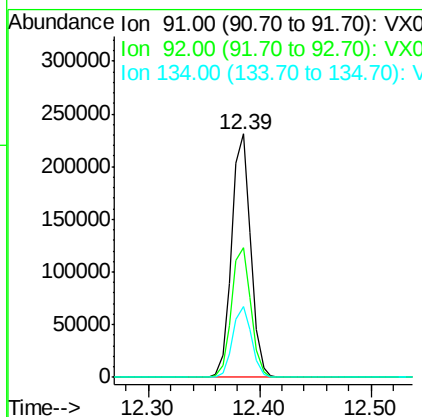
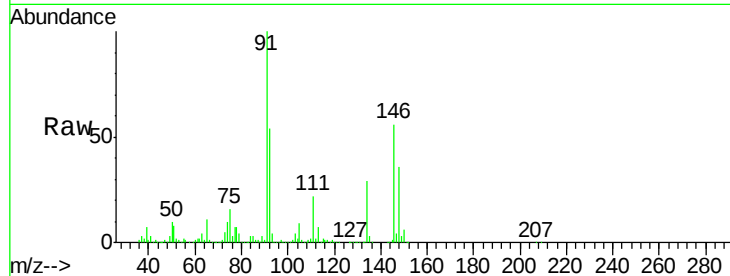
#89
n-Butylbenzene
Concen: 20.547 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.6	82.8
134	29.3	14.8	44.3

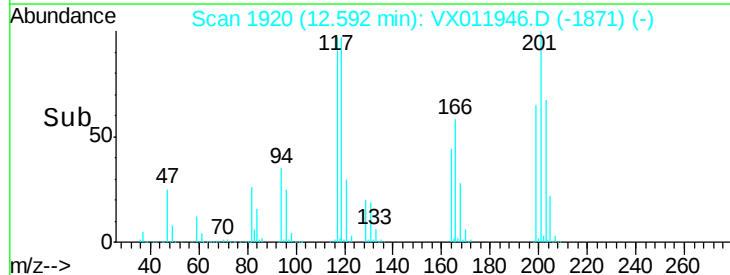
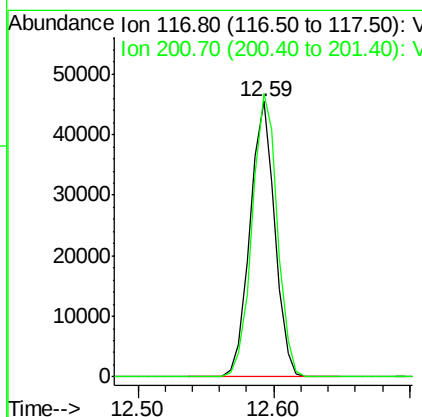
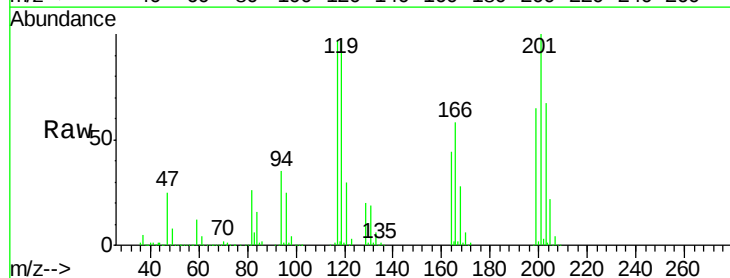
Manual Integrations
APPROVED

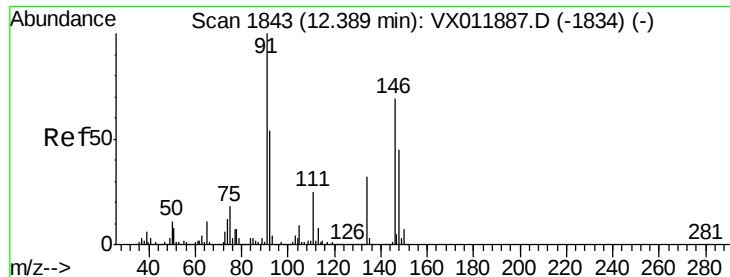
sam
9/3/2019 12:52:25 PM



#90
Hexachloroethane
Concen: 20.144 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	104.3	52.8	158.5





#91

1,2-Dichlorobenzene

Concen: 20.894 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

Instrument :

MSVOA_X

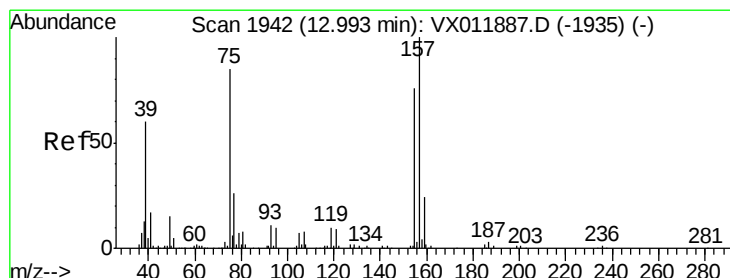
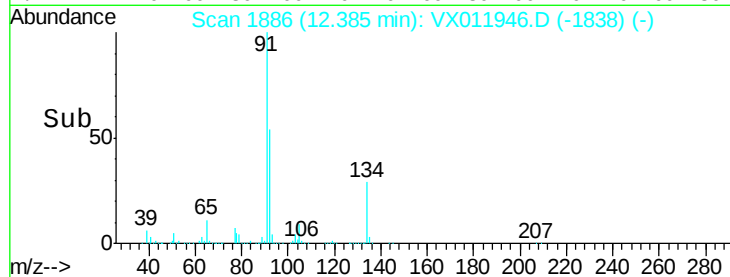
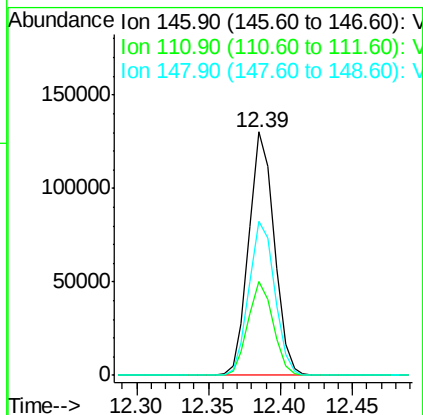
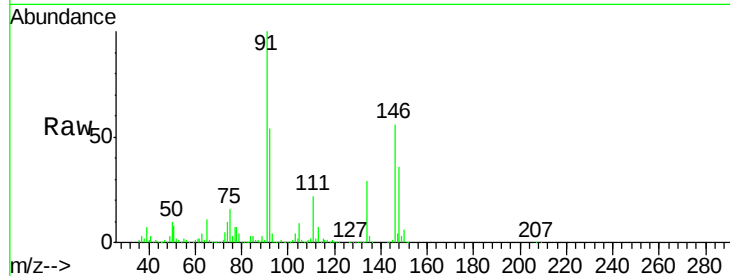
ClientSampleId :

VX0831SBS01

Tot Ion:	146	Resp:	158710
Ion Ratio	Lower	Upper	
146	100		
111	38.4	18.9	56.5
148	64.3	32.1	96.3

Manual Integrations
APPROVED

sam
9/3/2019 12:52:25 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.466 ug/l

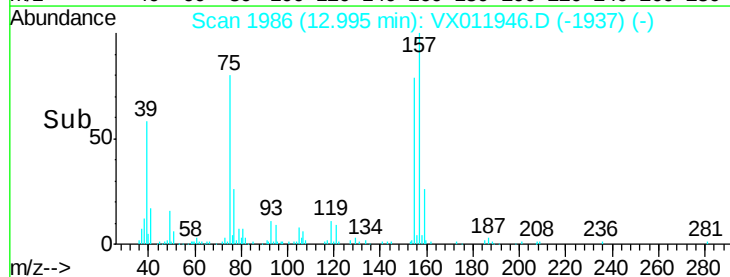
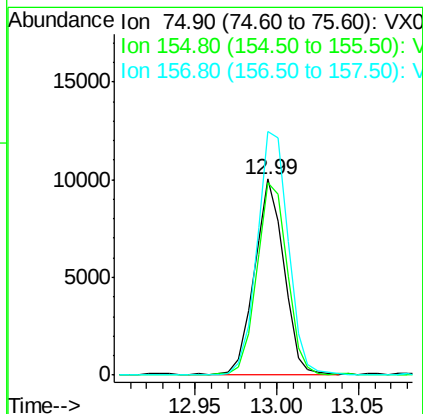
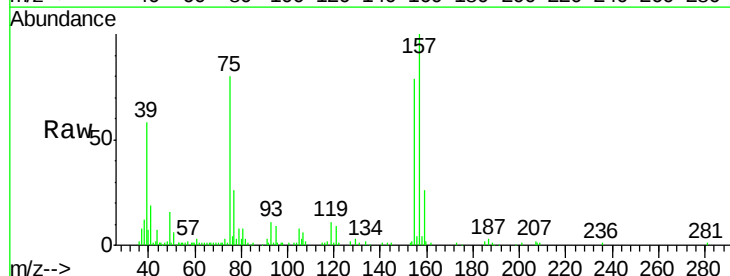
RT: 12.99 min Scan# 1986

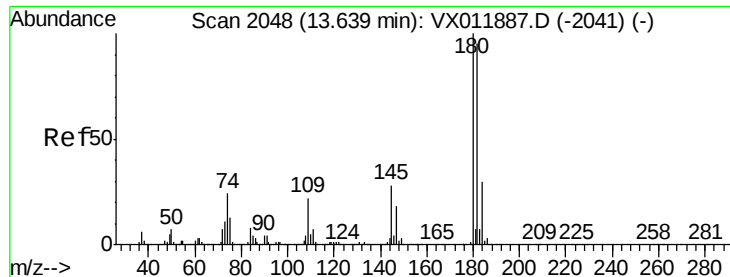
Delta R.T. 0.00 min

Lab File: VX011946.D

Acq: 31 Aug 2019 13:04

Tgt Ion:	75	Resp:	12646
Ion Ratio	Lower	Upper	
75	100		
155	101.7	50.1	150.4
157	131.2	63.9	191.7





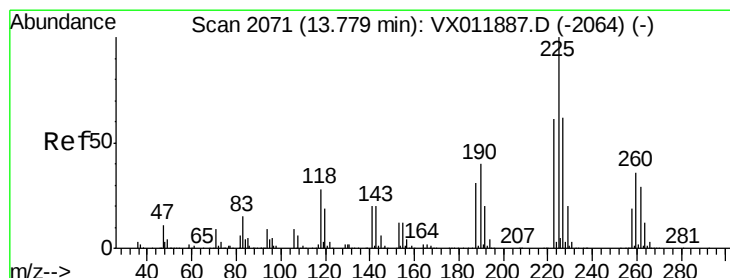
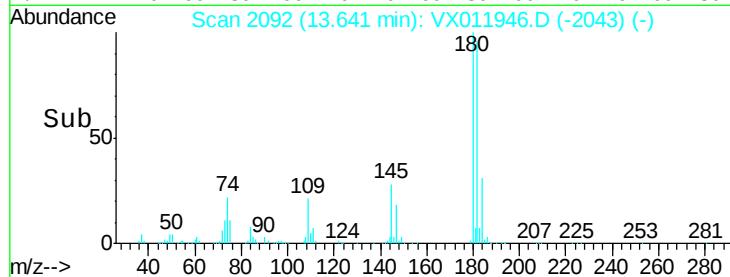
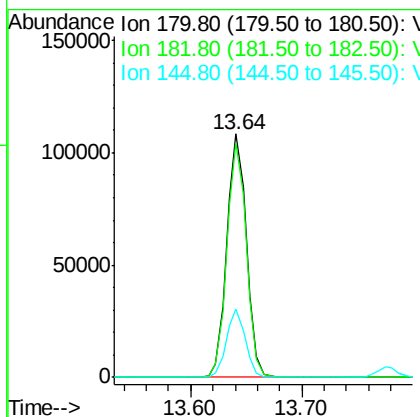
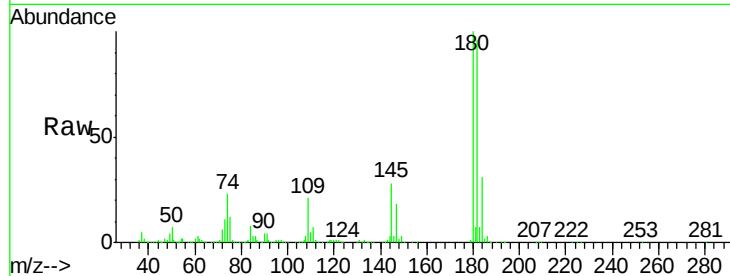
#93
 1,2,4-Trichlorobenzene
 Concen: 20.571 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX011946.D
 Acq: 31 Aug 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBSD01

Tot Ion:	180	Resp:	131568
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.1	144.4
145	27.2	13.8	41.3

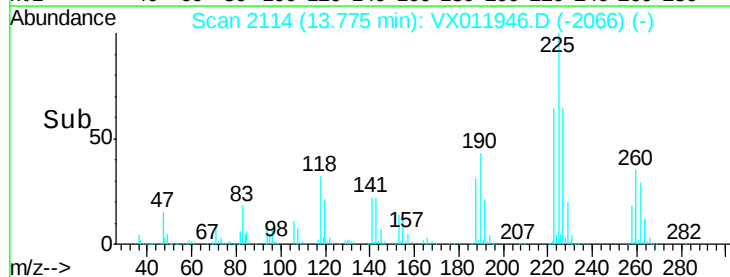
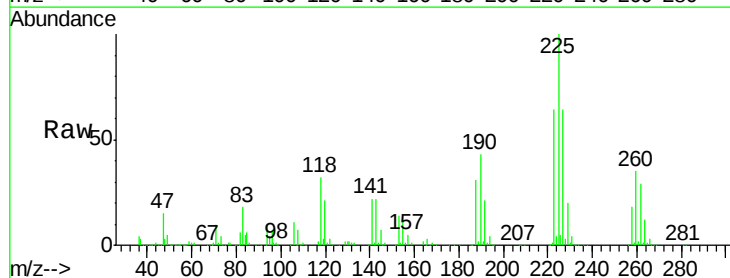
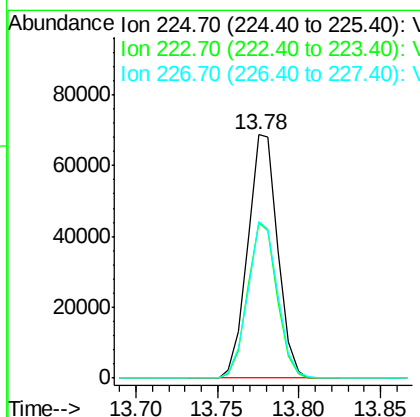
Manual Integrations
 APPROVED

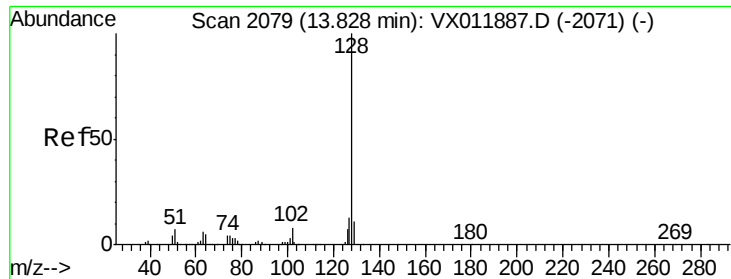
sam
 9/3/2019 12:52:25 PM



#94
 Hexachlorobutadiene
 Concen: 20.618 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX011946.D
 Acq: 31 Aug 2019 13:04

Tgt Ion:	225	Resp:	88065
Ion Ratio	Lower	Upper	
225	100		
223	62.7	30.8	92.3
227	63.9	31.9	95.7





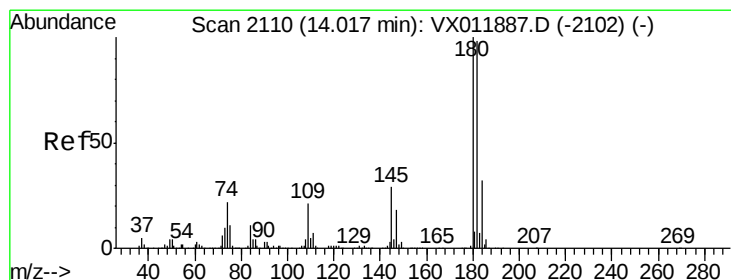
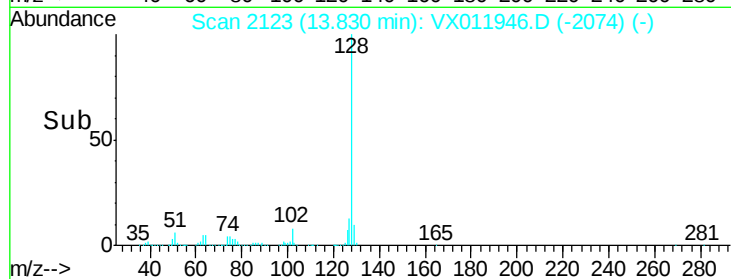
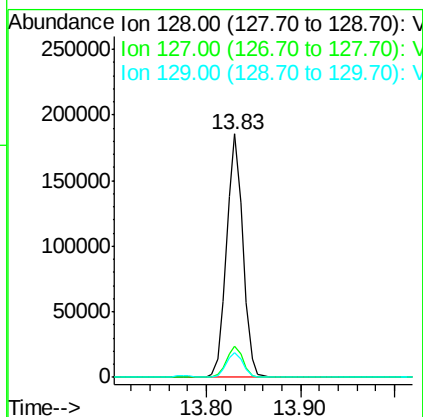
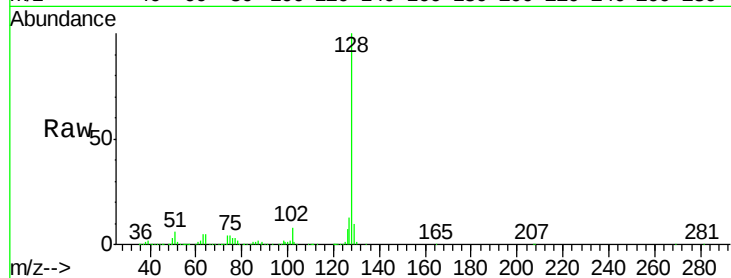
#95
Naphthalene
Concen: 20.231 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	222074		
127	13.0		10.4	15.6
129	10.4		8.8	13.2

Manual Integrations
APPROVED

sam
9/3/2019 12:52:25 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.577 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX011946.D
Acq: 31 Aug 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	119010		
182	95.6		48.3	144.8
145	28.6		14.6	43.8

