

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120619\
 Data File : VX013835.D
 Acq On : 07 Dec 2019 05:50
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/9/2019 9:08:28 AM

Quant Time: Dec 07 06:13:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	598370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	918452	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	829030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	416545	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	326315	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
35) Dibromofluoromethane	5.48	113	264612	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
50) Toluene-d8	8.71	98	1036328	46.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.70%	
62) 4-Bromofluorobenzene	11.13	95	378305	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	312099	46.860	ug/l	100
3) Chloromethane	1.32	50	343832	46.009	ug/l	99
4) Vinyl Chloride	1.40	62	413646	49.177	ug/l	100
5) Bromomethane	1.63	94	258327	45.731	ug/l	97
6) Chloroethane	1.71	64	227055	47.437	ug/l	97
7) Trichlorofluoromethane	1.92	101	448140	47.981	ug/l	98
8) Diethyl Ether	2.18	74	209447	49.568	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	278093	48.746	ug/l	99
10) Methyl Iodide	2.50	142	350369	50.770	ug/l	99
11) Tert butyl alcohol	3.03	59	359985	209.974	ug/l	100
12) 1,1-Dichloroethene	2.36	96	275833	48.439	ug/l	98
13) Acrolein	2.28	56	264963	231.548	ug/l	98
14) Allyl chloride	2.72	41	471710	45.646	ug/l	100
15) Acrylonitrile	3.13	53	852603	240.924	ug/l	99
16) Acetone	2.43	43	914422	266.658	ug/l	99
17) Carbon Disulfide	2.56	76	709109	43.682	ug/l	100
18) Methyl Acetate	2.76	43	530345	55.539	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	934140	49.518	ug/l	99
20) Methylene Chloride	2.85	84	315778	47.932	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	292414	47.137	ug/l	99
22) Diisopropyl ether	3.84	45	984634	49.482	ug/l	91
23) Vinyl Acetate	3.81	43	1427003	86.205	ug/l	99
24) 1,1-Dichloroethane	3.69	63	543324	49.947	ug/l	99
25) 2-Butanone	4.66	43	1264240	248.064	ug/l	100
26) 2,2-Dichloropropane	4.57	77	294638	32.737	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	342778	48.115	ug/l	96
28) Bromochloromethane	5.01	49	230407	53.600	ug/l	98
29) Tetrahydrofuran	5.11	42	762722	242.767	ug/l	100
30) Chloroform	5.20	83	527190	47.788	ug/l	99
31) Cyclohexane	5.57	56	486188	47.386	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	448395	48.638	ug/l	99
36) 1,1-Dichloropropene	5.79	75	398169	47.758	ug/l	99
37) Ethyl Acetate	4.82	43	441578	47.212	ug/l	100
38) Carbon Tetrachloride	5.78	117	385660	50.166	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX120619\
 Data File : VX013835.D
 Acq On : 07 Dec 2019 05:50
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/9/2019 9:08:28 AM

Quant Time: Dec 07 06:13:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	480901	46.664	ug/l	97
40) Benzene	6.14	78	1232994	48.557	ug/l	98
41) Methacrylonitrile	5.03	41	259302	50.552	ug/l	99
42) 1,2-Dichloroethane	6.18	62	423138	48.862	ug/l	99
43) Isopropyl Acetate	6.43	43	747085	48.518	ug/l	99
44) Trichloroethene	7.21	130	382962	54.953	ug/l	99
45) 1,2-Dichloropropane	7.51	63	321613	50.623	ug/l	99
46) Dibromomethane	7.65	93	205675	47.666	ug/l	98
47) Bromodichloromethane	7.89	83	413429	50.683	ug/l	97
48) Methyl methacrylate	7.76	41	370050	49.461	ug/l	98
49) 1,4-Dioxane	7.73	88	139071	830.437	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	2376574	245.366	ug/l	100
52) Toluene	8.78	92	768661	48.727	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	430747	46.393	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	480469	47.366	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	319384	50.242	ug/l	98
56) Ethyl methacrylate	9.17	69	508480	49.752	ug/l	99
57) 1,3-Dichloropropane	9.37	76	533858	48.722	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	946358	236.167	ug/l	100
59) 2-Hexanone	9.49	43	1843906	244.090	ug/l	99
60) Dibromochloromethane	9.58	129	336149	50.953	ug/l	99
61) 1,2-Dibromoethane	9.67	107	327504	48.237	ug/l	100
64) Tetrachloroethene	9.33	164	496363	80.286	ug/l	98
65) Chlorobenzene	10.14	112	827291	48.064	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	310174	50.183	ug/l	99
67) Ethyl Benzene	10.24	91	1447714	48.946	ug/l	97
68) m/p-Xylenes	10.35	106	1120499	98.950	ug/l	98
69) o-Xylene	10.70	106	547246	49.551	ug/l	99
70) Styrene	10.71	104	929676	50.041	ug/l	100
71) Bromoform	10.85	173	255316	49.924	ug/l #	100
73) Isopropylbenzene	11.01	105	1435147	49.117	ug/l	100
74) N-amyl acetate	10.89	43	645622	48.235	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	401992	39.672	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	449328m	47.960	ug/l	
77) Bromobenzene	11.25	156	377544	47.829	ug/l	99
78) n-propylbenzene	11.35	91	1617058	49.576	ug/l	100
79) 2-Chlorotoluene	11.42	91	952888	48.701	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1190003	49.692	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	142661	41.659	ug/l	99
82) 4-Chlorotoluene	11.51	91	1098458	48.471	ug/l	99
83) tert-Butylbenzene	11.76	119	1021387	41.967	ug/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	1194492	49.147	ug/l	100
85) sec-Butylbenzene	11.94	105	1394237	50.154	ug/l	100
86) p-Isopropyltoluene	12.06	119	1271326	49.159	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	659211	47.908	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	650141	46.388	ug/l	99
89) n-Butylbenzene	12.38	91	1070056	48.513	ug/l	99
90) Hexachloroethane	12.59	117	227811	48.735	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	658079	48.405	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	103580	46.941	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120619\
Data File : VX013835.D
Acq On : 07 Dec 2019 05:50
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

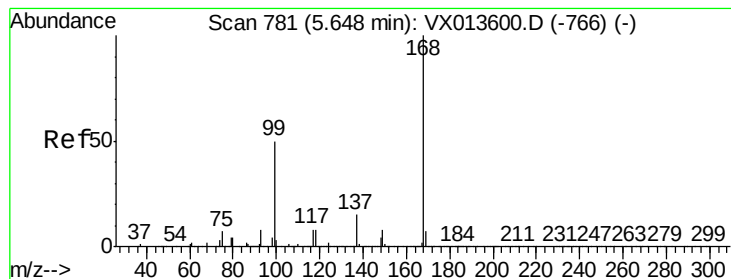
Manual Integrations
APPROVED

apatel
12/9/2019 9:08:28 AM

Quant Time: Dec 07 06:13:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	439452	46.381	ug/l	98
94) Hexachlorobutadiene	13.77	225	202947	44.588	ug/l	99
95) Naphthalene	13.83	128	1378778	48.864	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	448310	47.787	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 598370

Ion Ratio Lower Upper

168 100

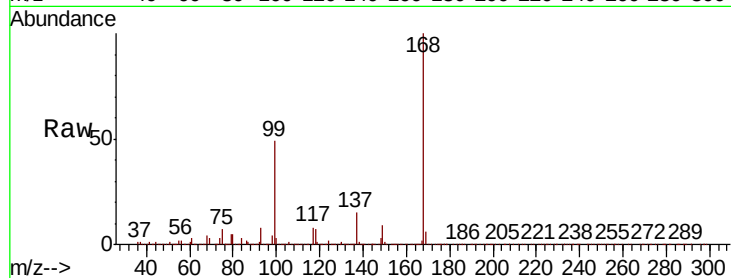
99 48.4 39.8 59.8

Manual Integrations

APPROVED

apatel

12/9/2019 9:08:28 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

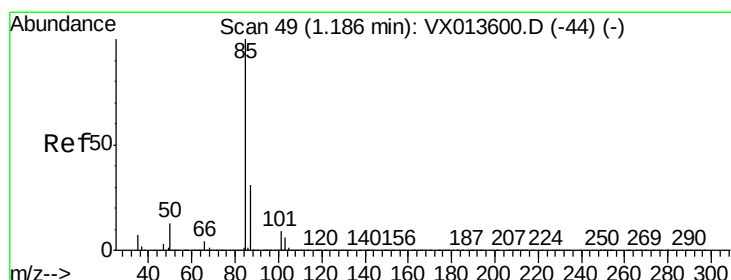
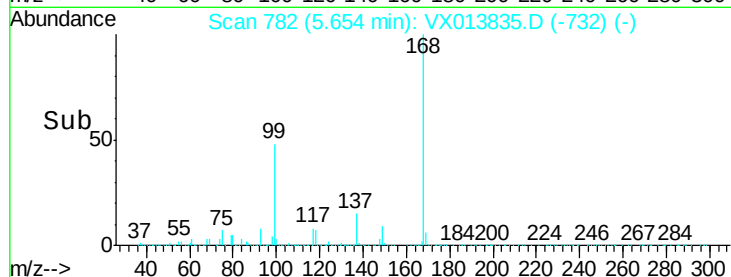
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.860 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX013835.D

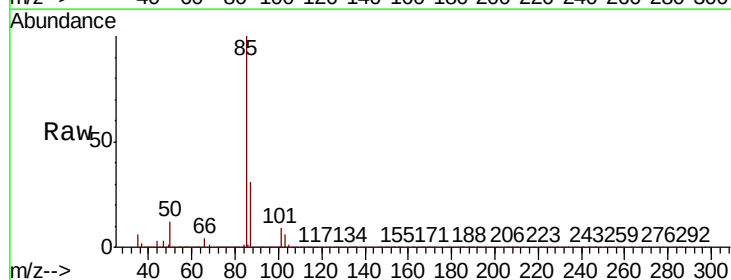
Acq: 07 Dec 2019 05:50

Tgt Ion: 85 Resp: 312099

Ion Ratio Lower Upper

85 100

87 31.3 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

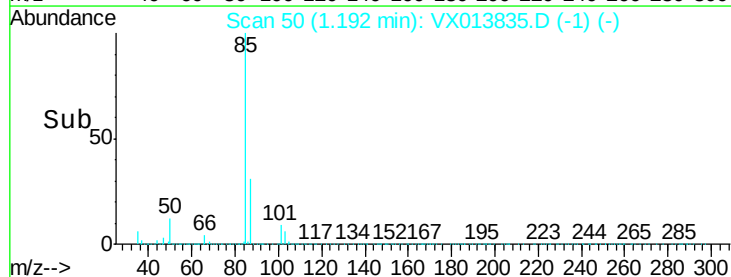
300000

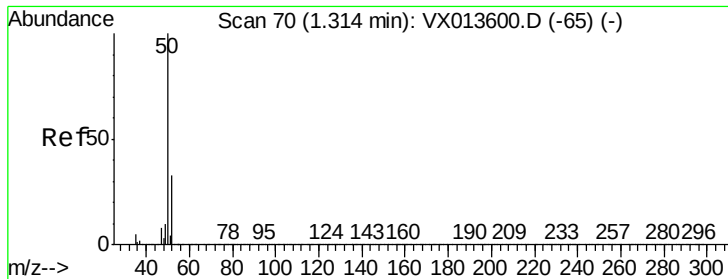
200000

100000

0

Time-->





#3

Chloromethane

Concen: 46.009 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 343832

Ion Ratio Lower Upper

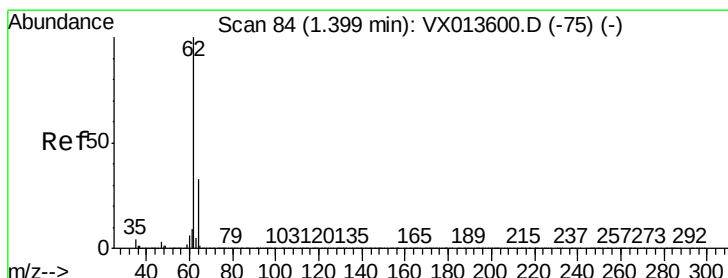
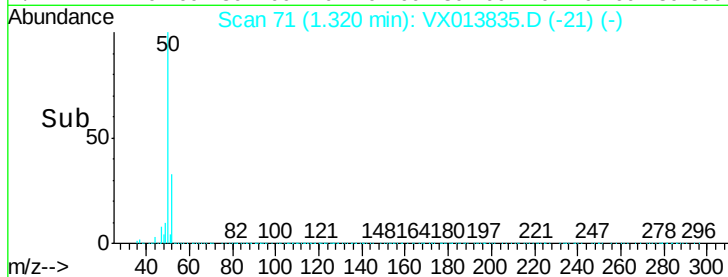
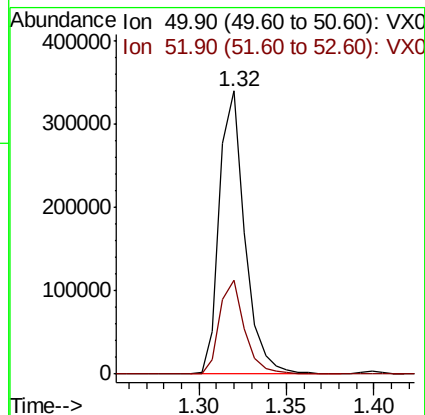
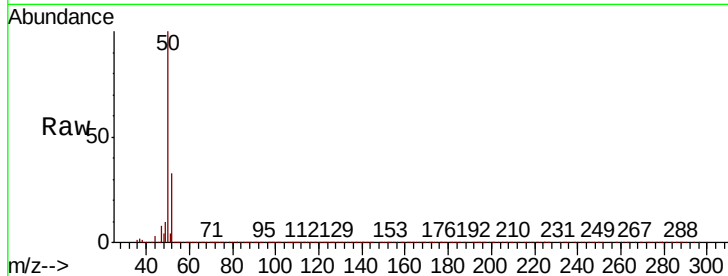
50 100

52 32.9 26.0 39.0

Manual Integrations
APPROVED

apatel

12/9/2019 9:08:28 AM



#4

Vinyl Chloride

Concen: 49.177 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013835.D

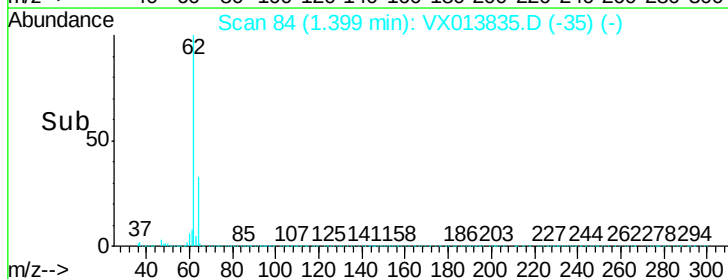
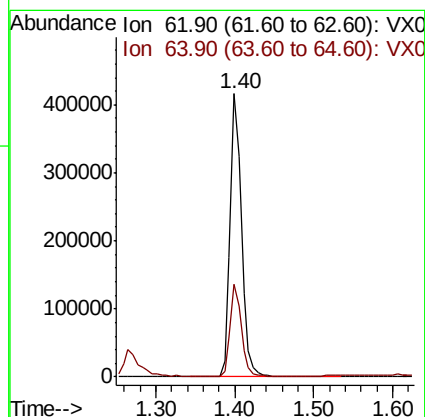
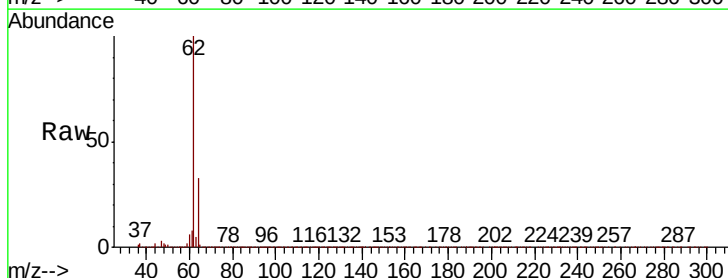
Acq: 07 Dec 2019 05:50

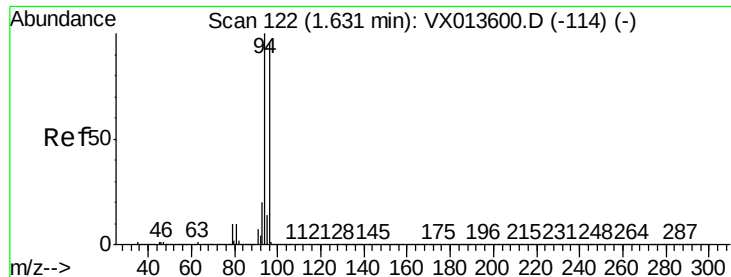
Tgt Ion: 62 Resp: 413646

Ion Ratio Lower Upper

62 100

64 32.4 26.0 39.0





#5

Bromomethane

Concen: 45.731 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 258327

Ion Ratio Lower Upper

94 100

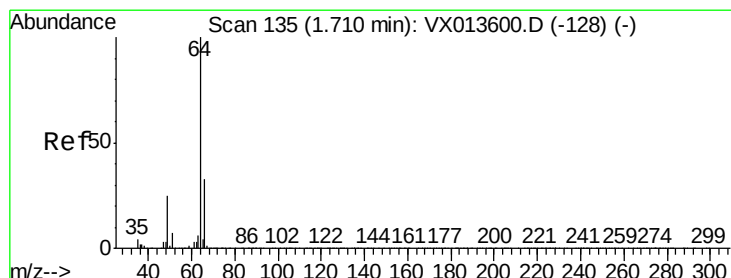
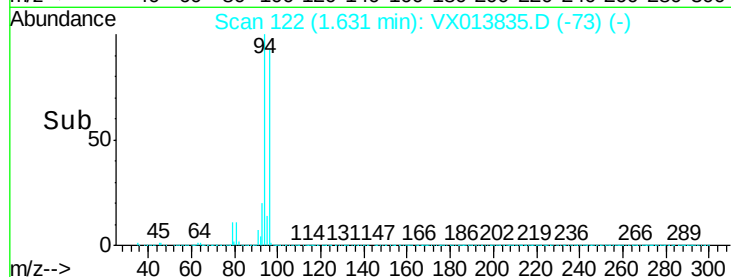
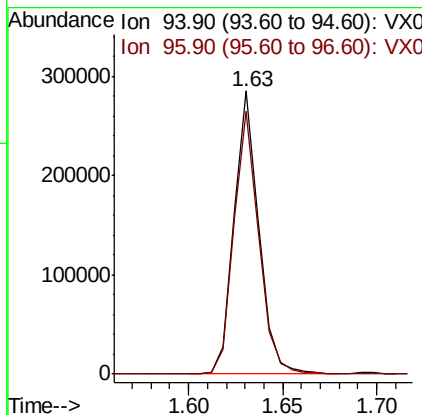
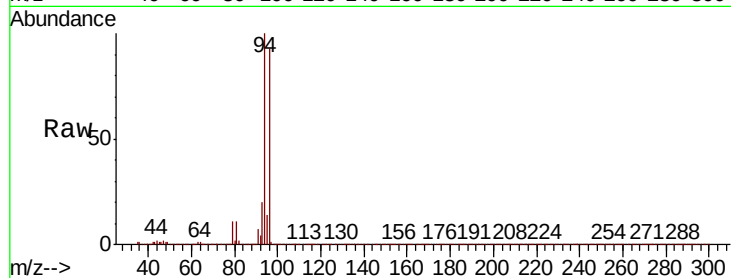
96 92.8 77.0 115.4

Manual Integrations

APPROVED

apatel

12/9/2019 9:08:28 AM



#6

Chloroethane

Concen: 47.437 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX013835.D

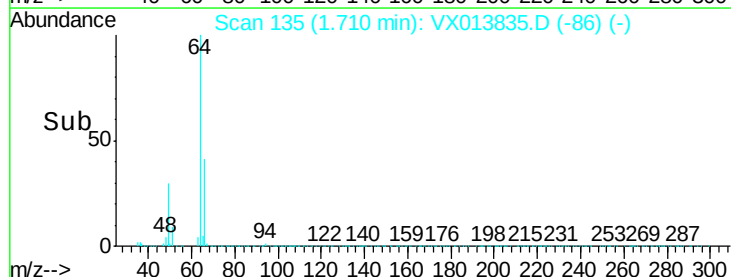
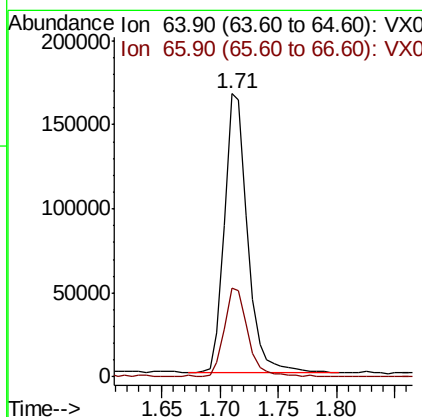
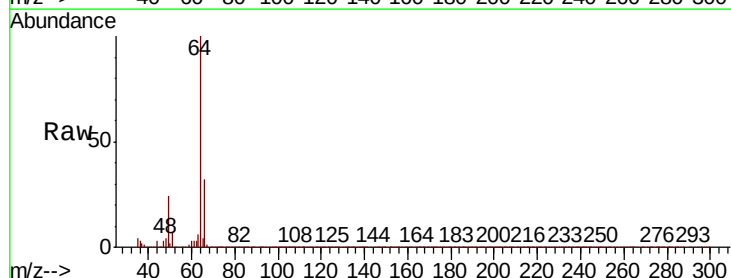
Acq: 07 Dec 2019 05:50

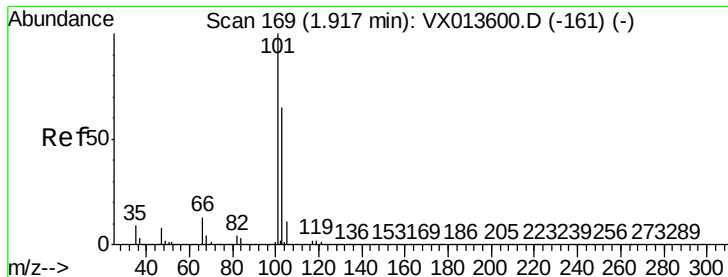
Tgt Ion: 64 Resp: 227055

Ion Ratio Lower Upper

64 100

66 31.8 26.7 40.1





#7

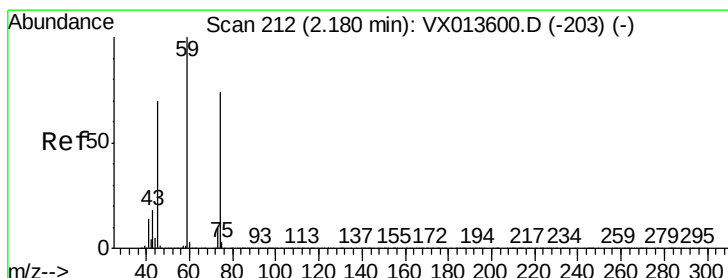
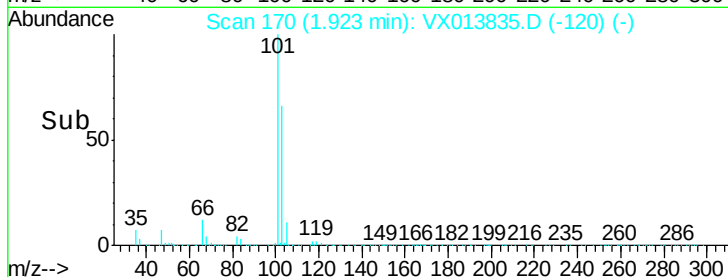
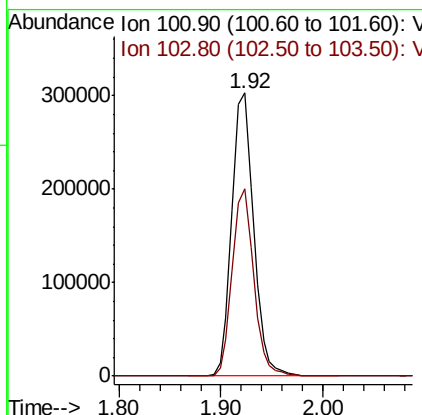
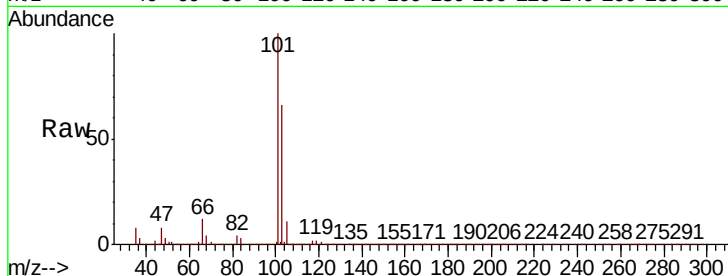
Trichlorofluoromethane
Concen: 47.981 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	51.8	77.6

Manual Integrations
APPROVED

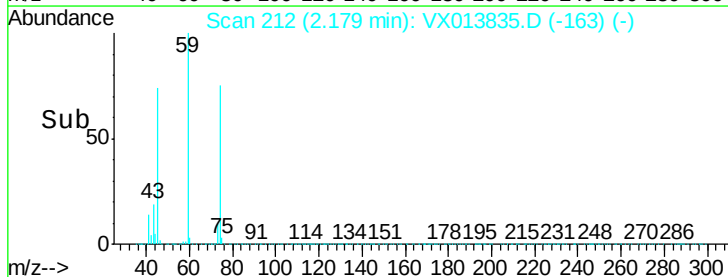
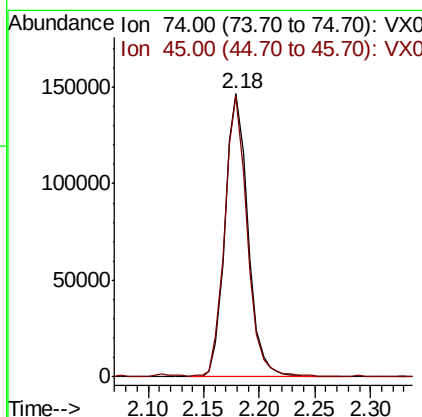
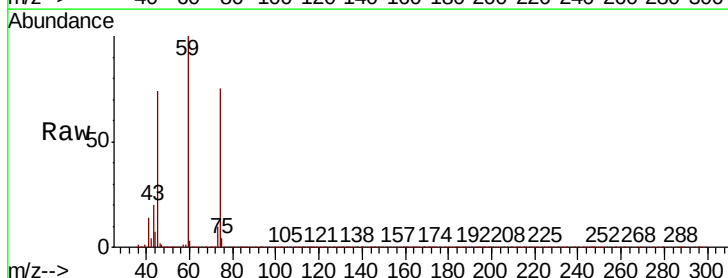
apatel
12/9/2019 9:08:28 AM

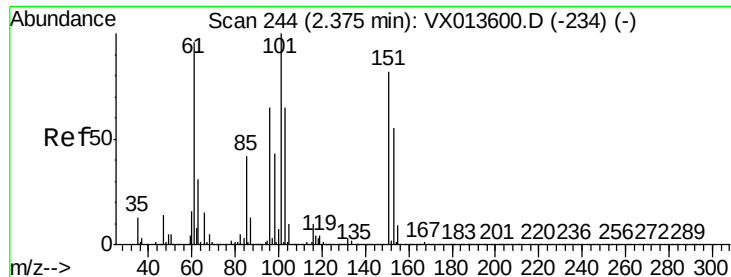


#8

Diethyl Ether
Concen: 49.568 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.746 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Instrument :

MSVOA_X

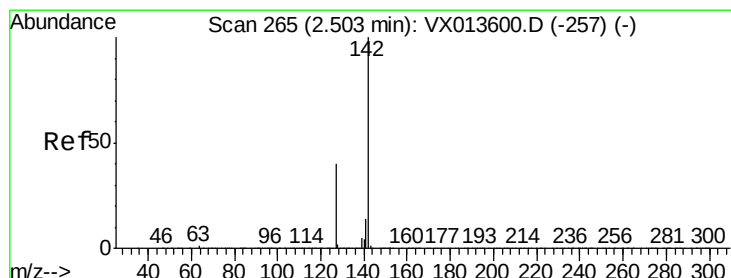
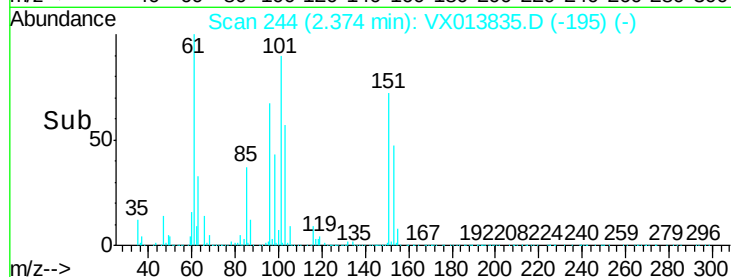
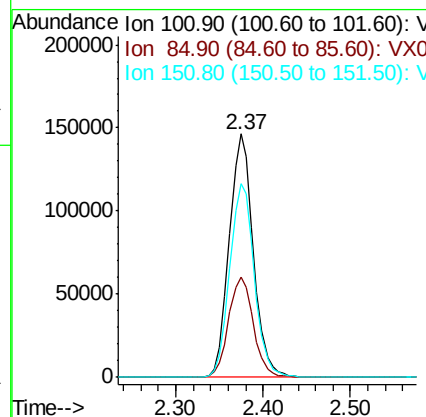
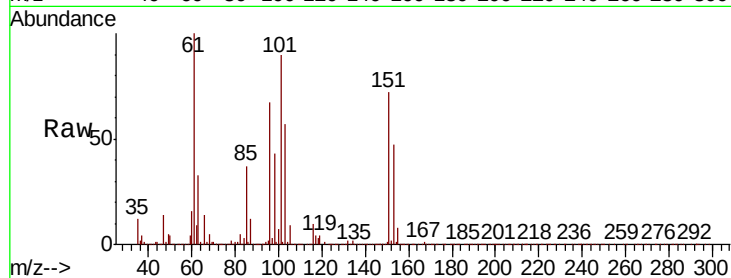
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	278093
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.9	50.9
151	81.5	64.2	96.2

Manual Integrations
APPROVED

apatel
12/9/2019 9:08:28 AM



#10

Methyl Iodide

Concen: 50.770 ug/l

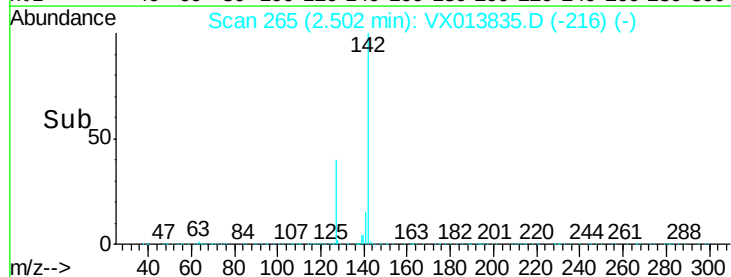
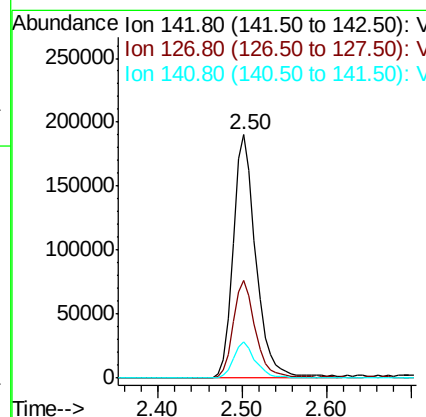
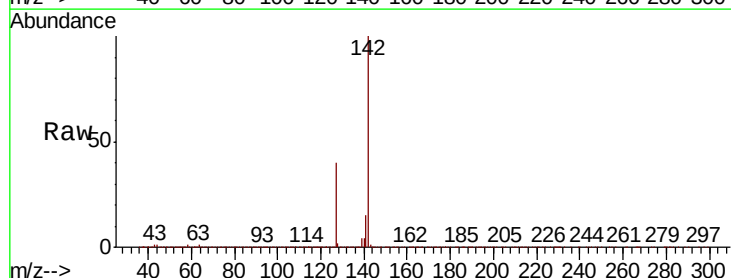
RT: 2.50 min Scan# 265

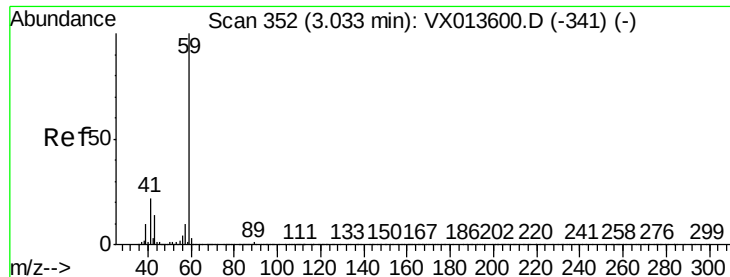
Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Tgt Ion:	142	Resp:	350369
Ion Ratio	Lower	Upper	
142	100		
127	39.4	31.0	46.4
141	14.3	11.6	17.4





#11

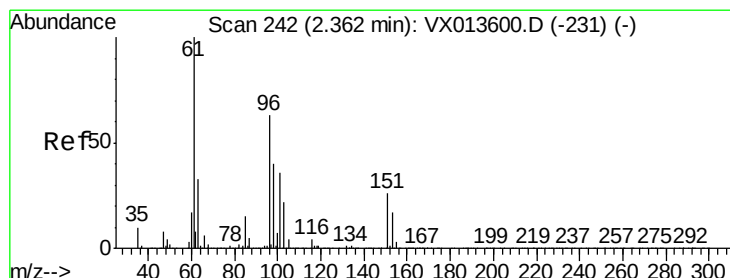
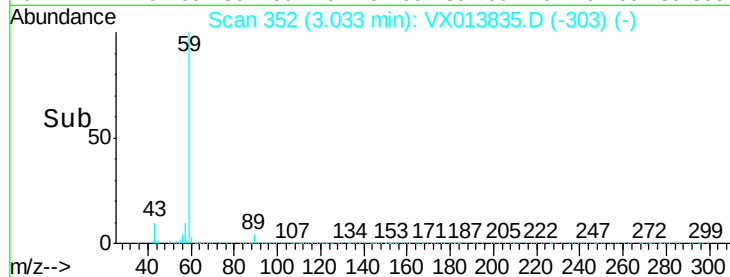
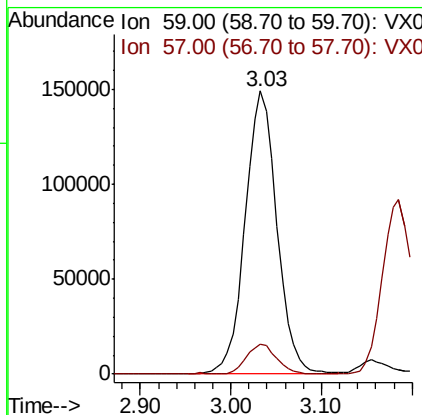
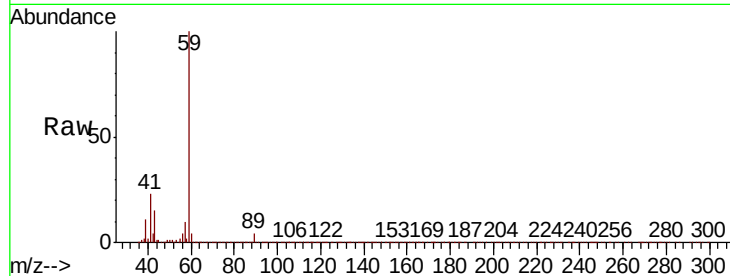
Tert butyl alcohol
Concen: 209.974 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.00 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.8	11.6

Manual Integrations
APPROVED

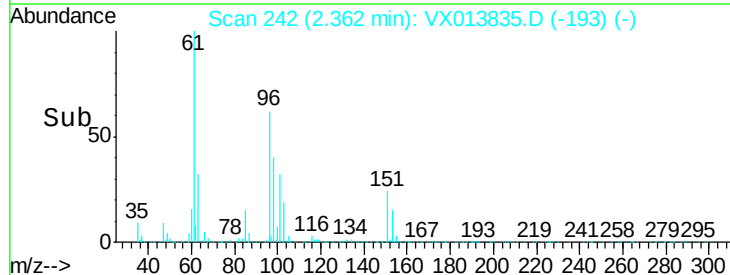
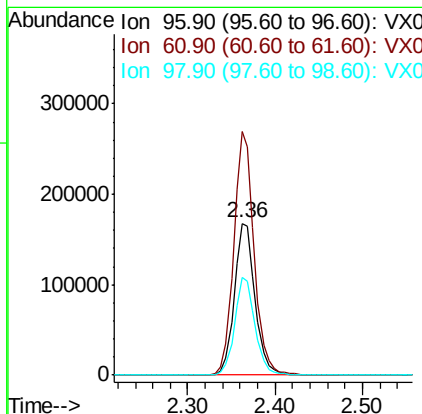
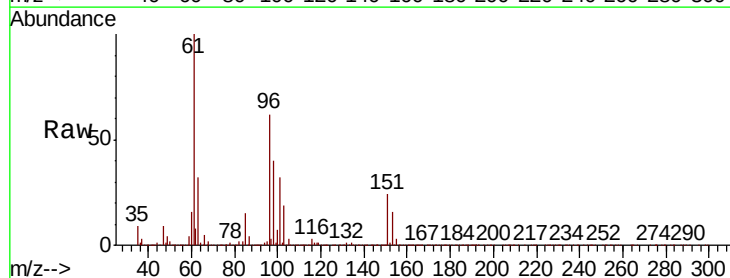
apatel
12/9/2019 9:08:28 AM

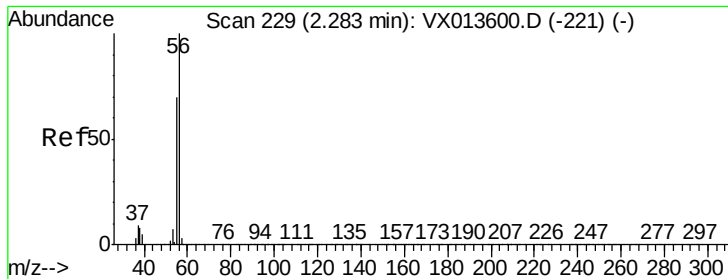


#12

1,1-Dichloroethene
Concen: 48.439 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.5	126.6	190.0
98	64.3	50.6	76.0





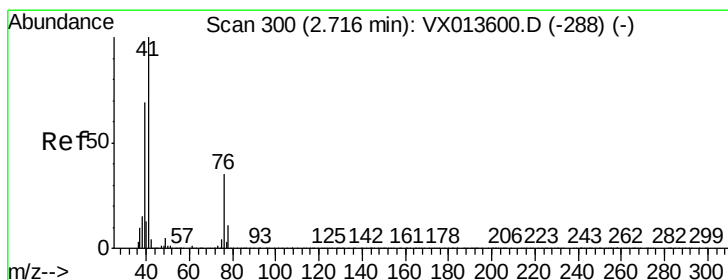
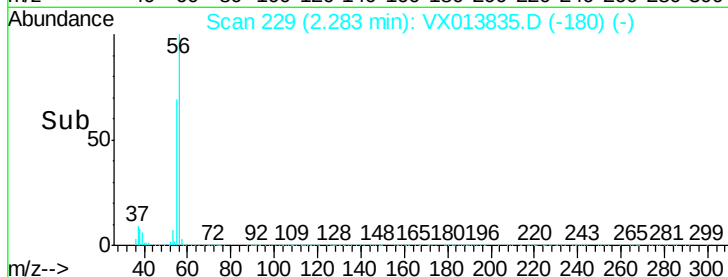
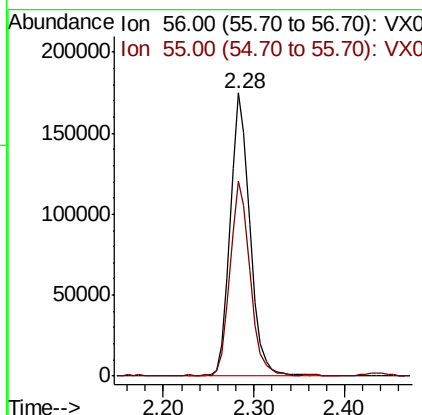
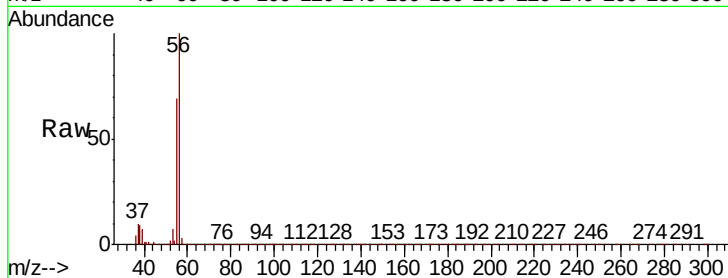
#13
Acrolein
Concen: 231.548 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	264963
Ion Ratio	100	Lower	Upper
55	68.4	56.2	84.4

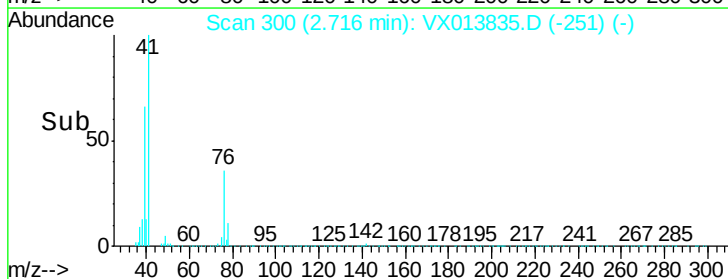
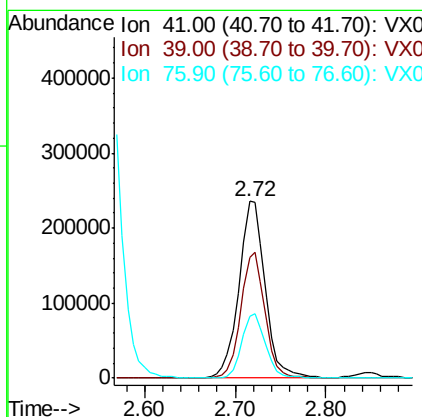
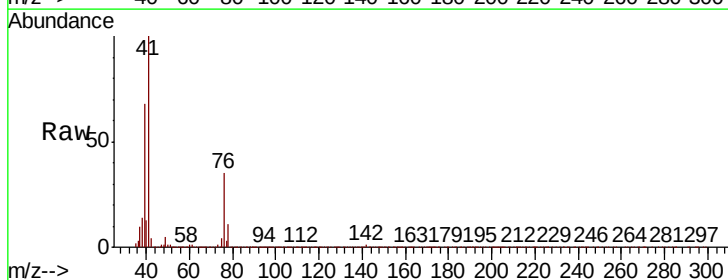
Manual Integrations
APPROVED

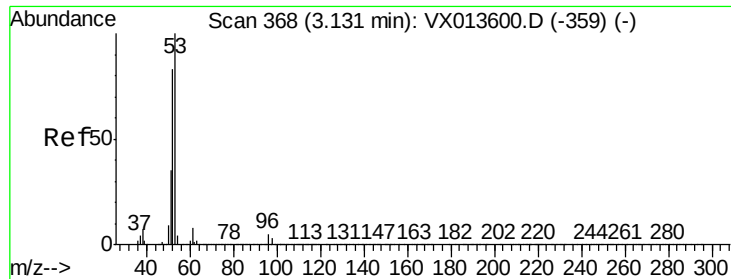
apatel
12/9/2019 9:08:28 AM



#14
Allyl chloride
Concen: 45.646 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Tgt Ion	41	Resp	471710
Ion Ratio	100	Lower	Upper
39	64.8	51.7	77.5
76	32.7	25.9	38.9





#15

Acrylonitrile

Concen: 240.924 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Instrument :

MSVOA_X

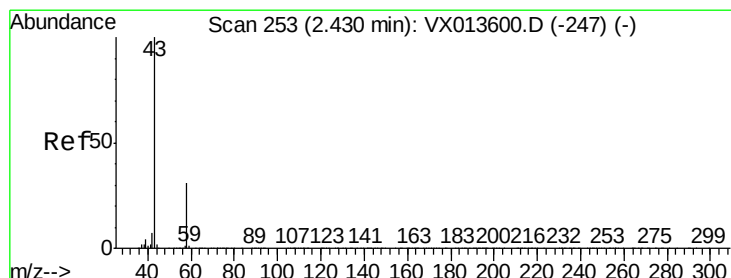
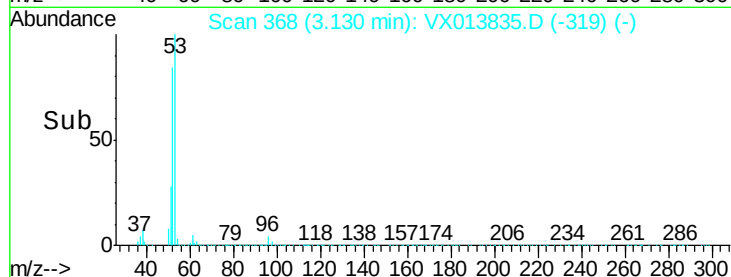
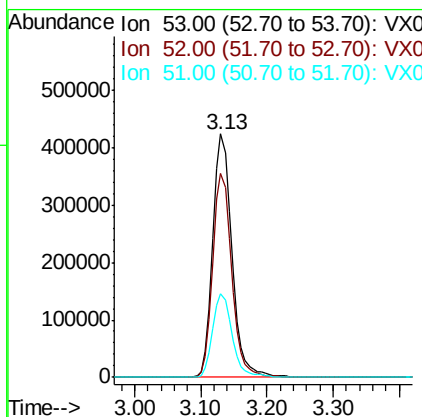
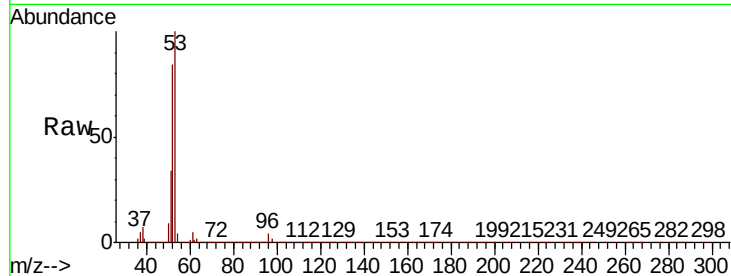
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	852603
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.2	99.2
51	35.1	29.0	43.6

Manual Integrations
APPROVED

apatel
12/9/2019 9:08:28 AM



#16

Acetone

Concen: 266.658 ug/l

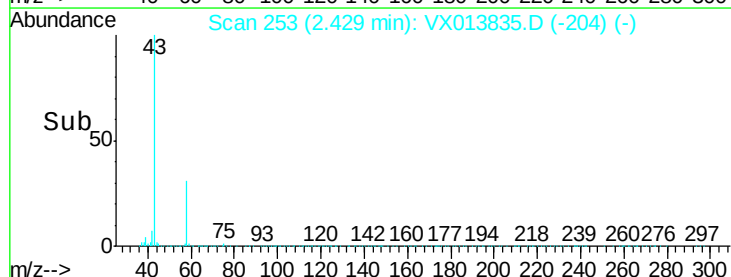
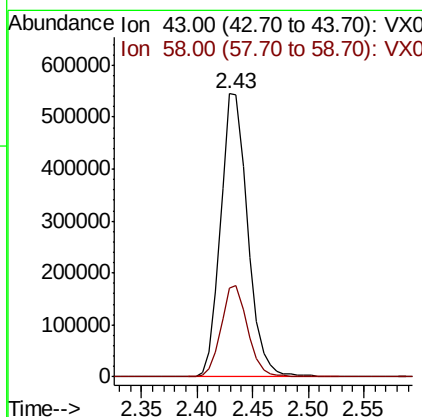
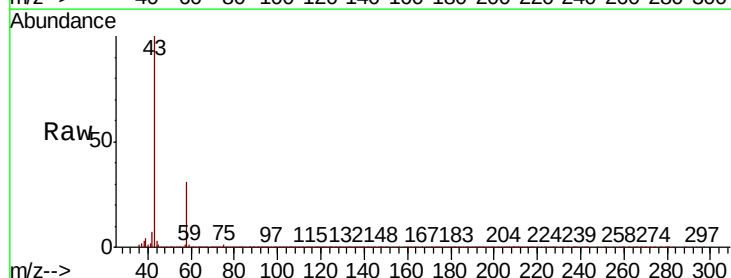
RT: 2.43 min Scan# 253

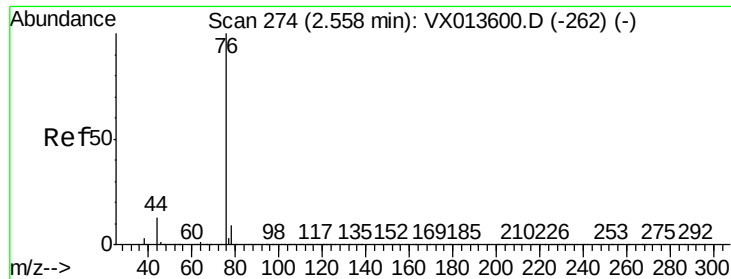
Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Tgt Ion:	43	Resp:	914422
Ion Ratio	Lower	Upper	
43	100		
58	31.3	24.6	36.8





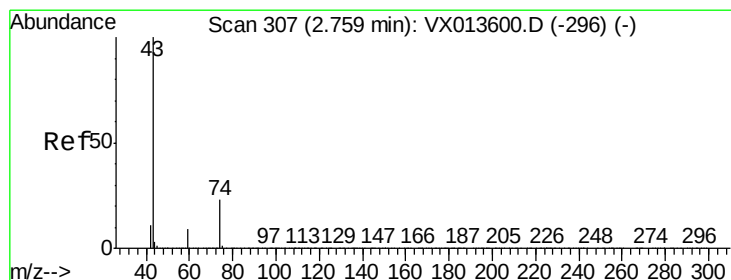
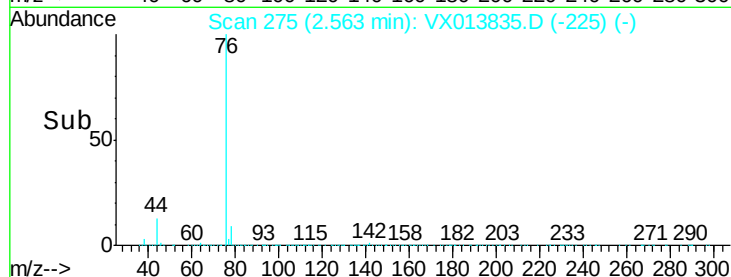
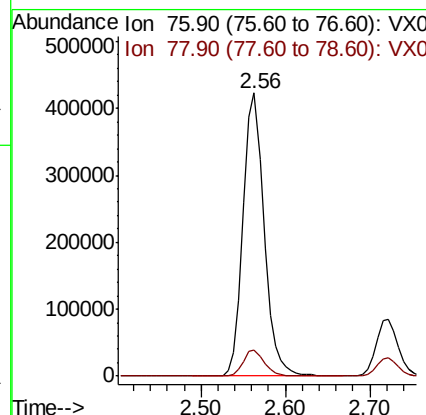
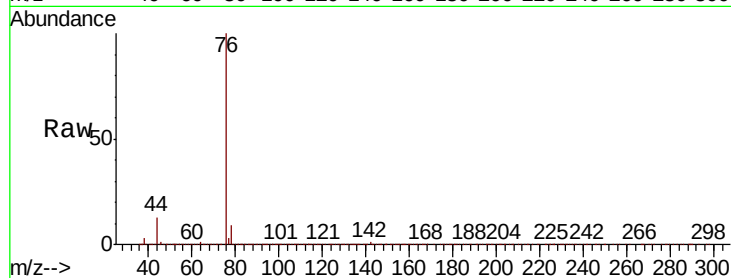
#17
Carbon Disulfide
Concen: 43.682 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

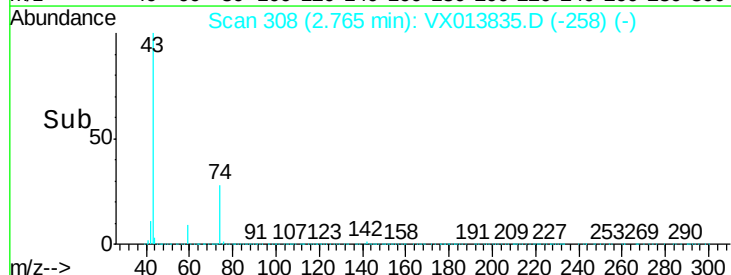
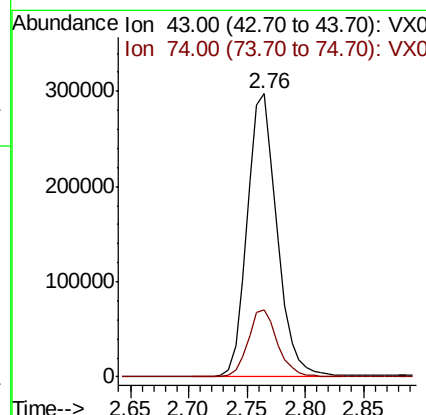
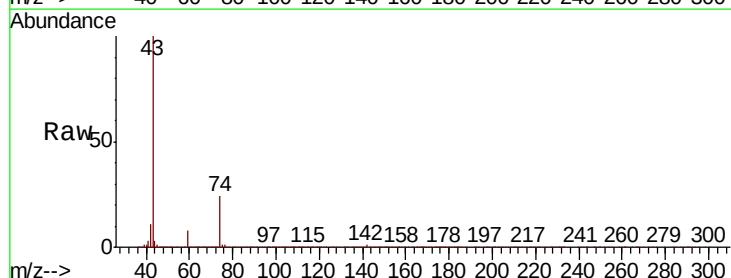
Manual Integrations
APPROVED

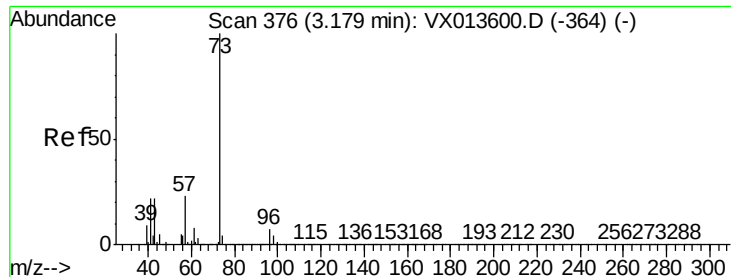
apatel
12/9/2019 9:08:28 AM



#18
Methyl Acetate
Concen: 55.539 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.01 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.5	29.3





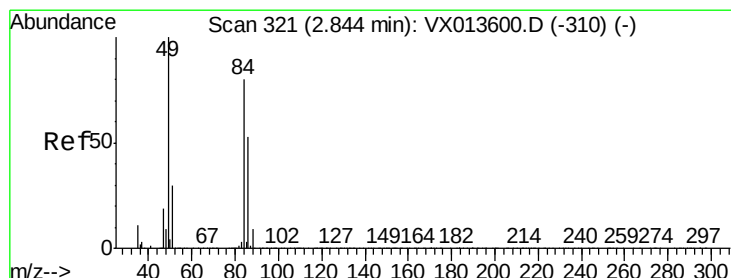
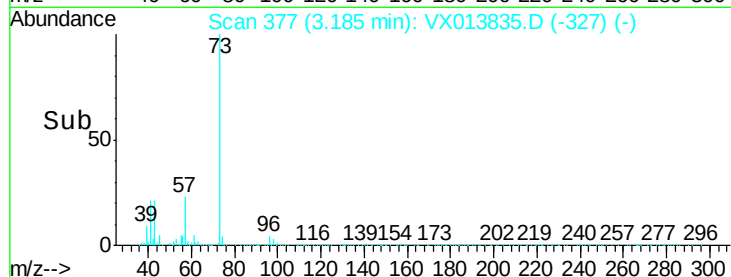
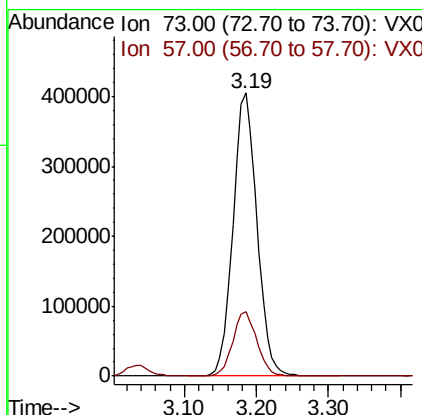
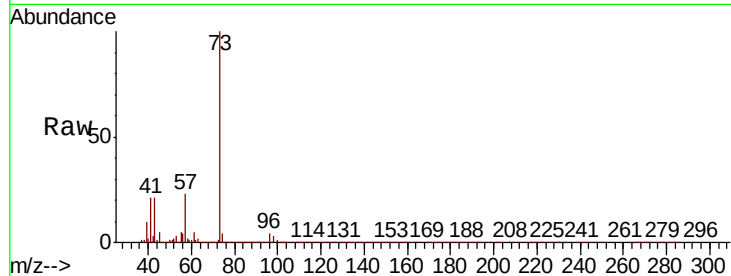
#19
Methyl tert-butyl Ether
Concen: 49.518 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.01 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.3	27.5

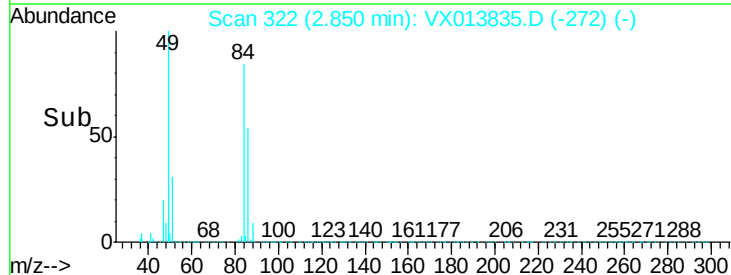
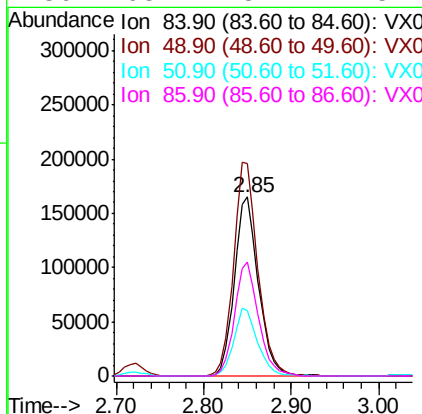
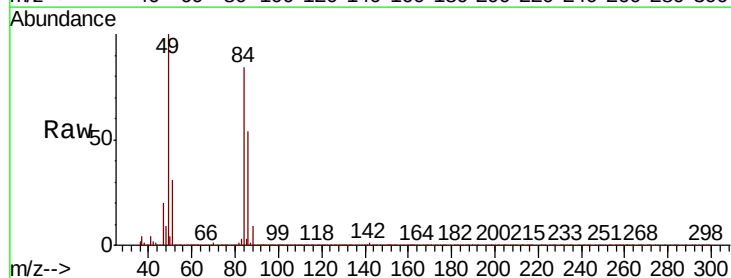
Manual Integrations
APPROVED

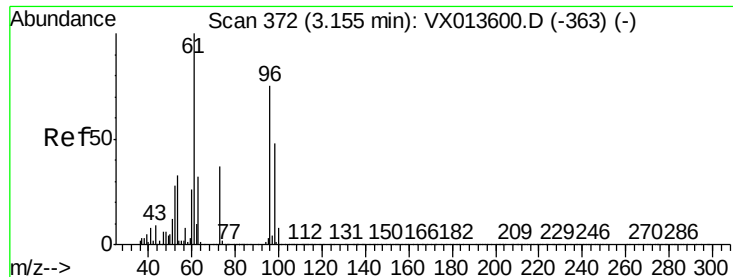
apatel
12/9/2019 9:08:28 AM



#20
Methylene Chloride
Concen: 47.932 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.8	99.7	149.5
51	36.7	29.9	44.9
86	63.7	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 47.137 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Instrument :

MSVOA_X

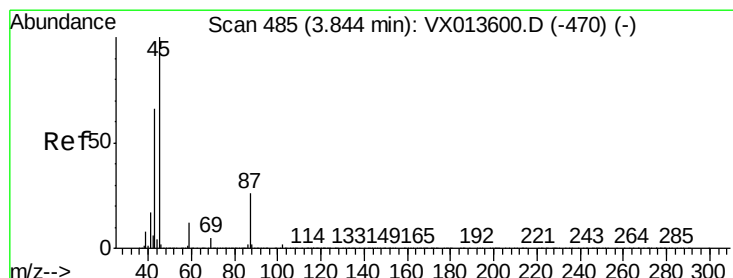
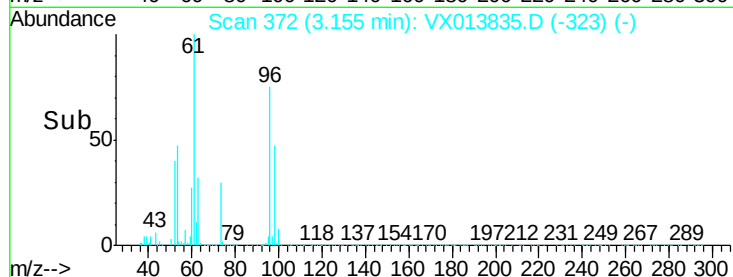
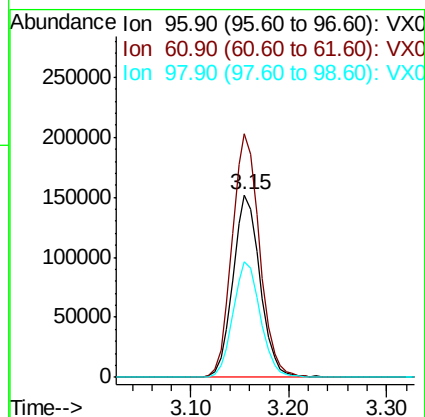
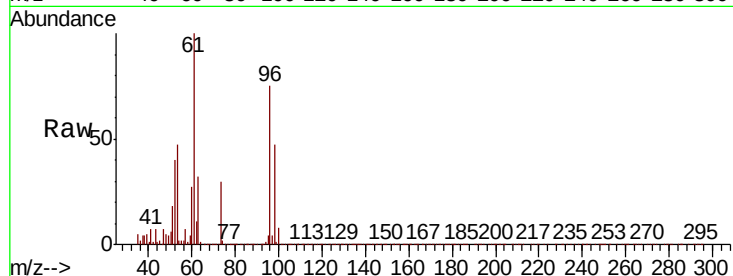
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	292414
Ion	Ratio	Lower	Upper
96	100		
61	133.5	107.2	160.8
98	62.9	51.4	77.0

Manual Integrations
APPROVED

apatel
12/9/2019 9:08:28 AM



#22

Diisopropyl ether

Concen: 49.482 ug/l

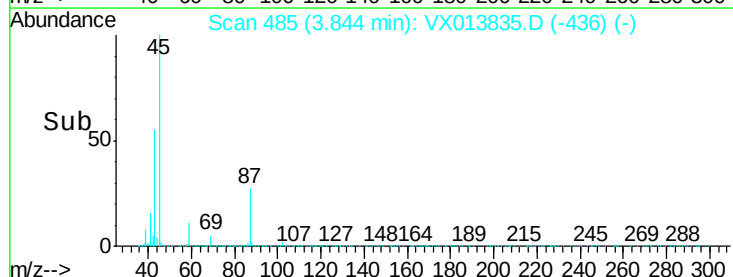
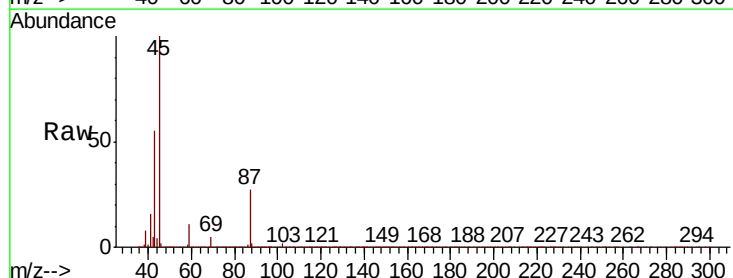
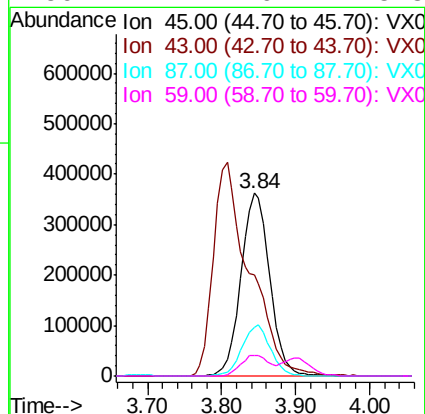
RT: 3.84 min Scan# 485

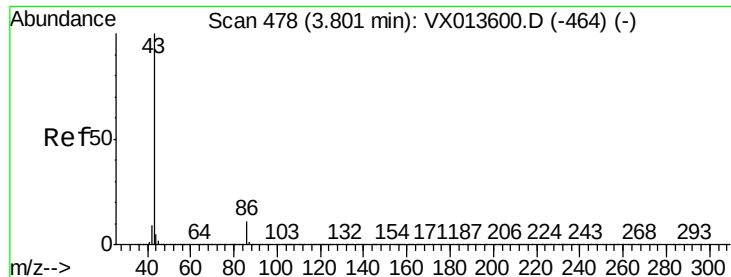
Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Tgt Ion:	45	Resp:	984634
Ion	Ratio	Lower	Upper
45	100		
43	54.9	52.6	79.0
87	26.7	21.1	31.7
59	11.1	9.2	13.8





#23

Vinyl Acetate

Concen: 86.205 ug/l

RT: 3.81 min Scan# 479

Delta R.T. 0.01 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Tot Ion: 43 Resp: 1427003

Ion Ratio Lower Upper

43 100

86 10.3 8.7 13.1

Instrument :

MSVOA_X

ClientSampleId :

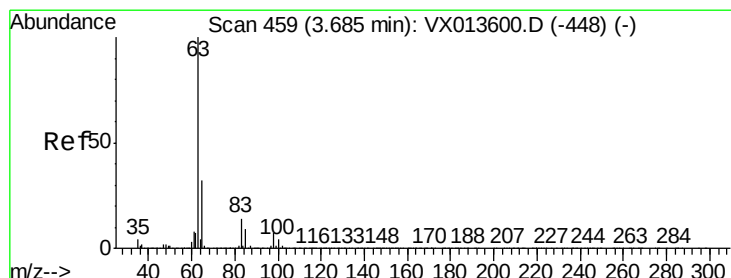
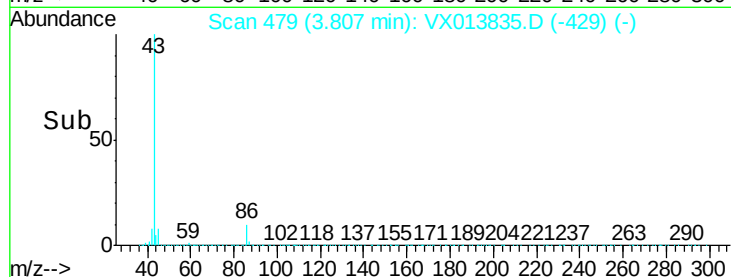
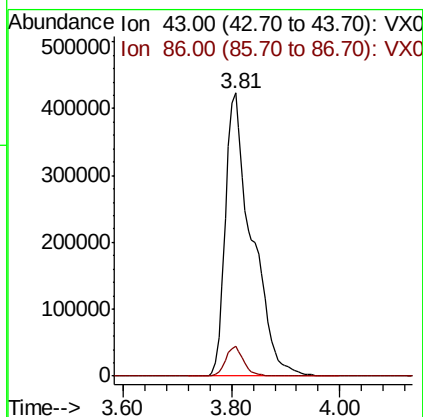
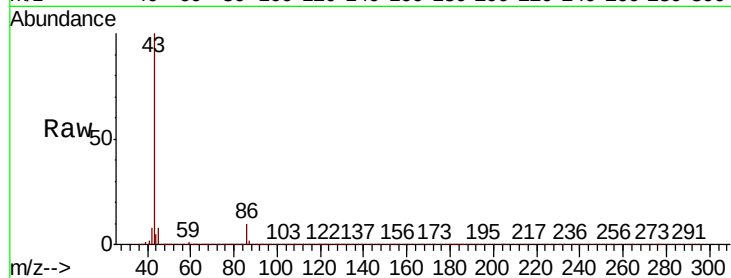
VSTDCCC050EC

Manual Integrations

APPROVED

apatel

12/9/2019 9:08:28 AM



#24

1,1-Dichloroethane

Concen: 49.947 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

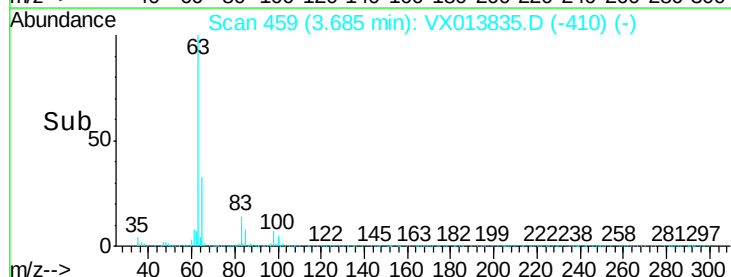
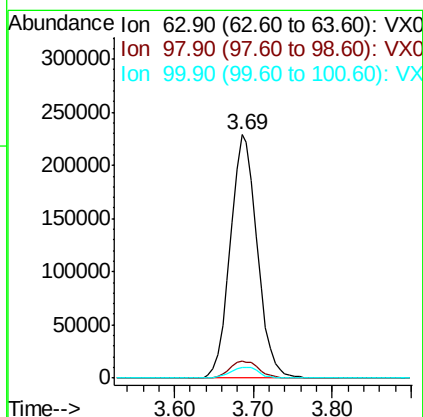
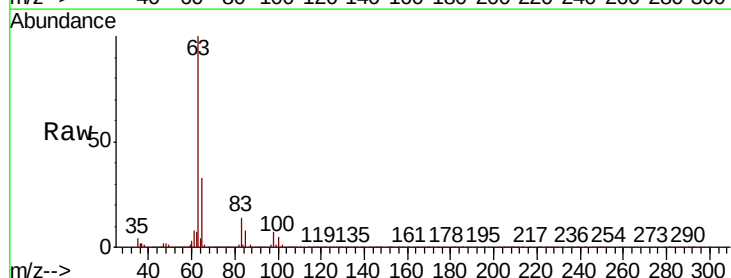
Tgt Ion: 63 Resp: 543324

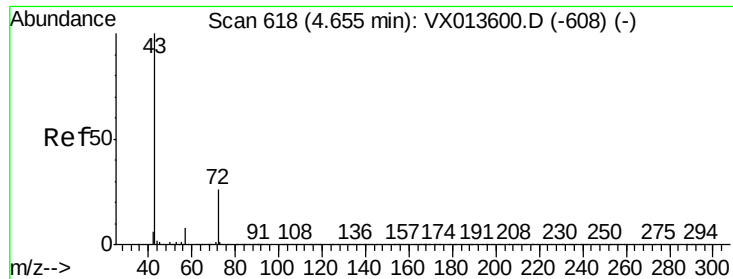
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 4.5 2.1 6.3





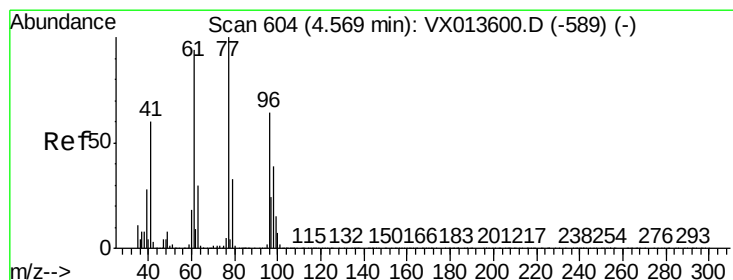
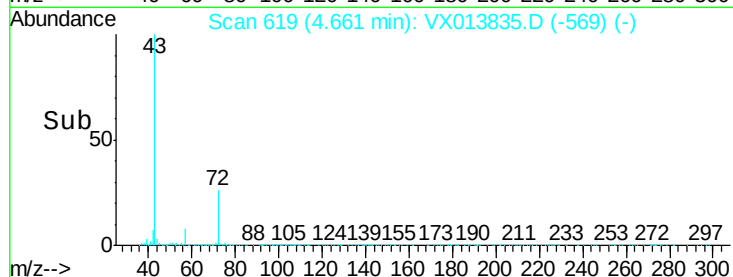
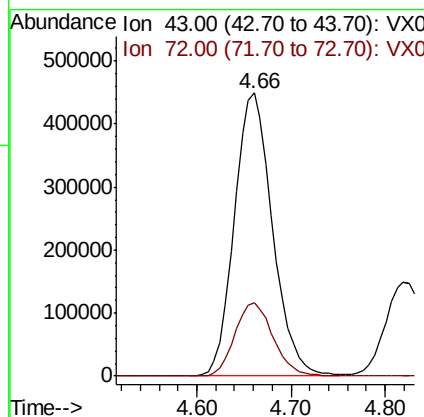
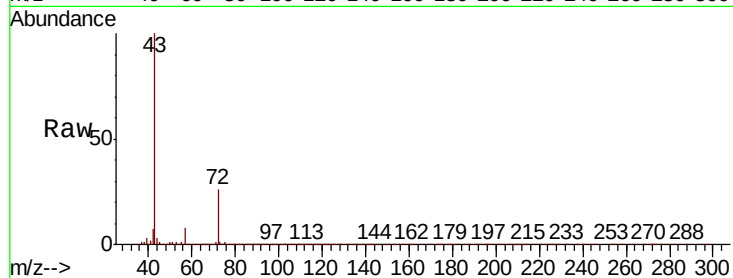
#25
2-Butanone
Concen: 248.064 ug/l
RT: 4.66 min Scan# 619
Delta R.T. 0.01 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1264240
Ion Ratio Lower Upper
43 100
72 26.0 20.6 31.0

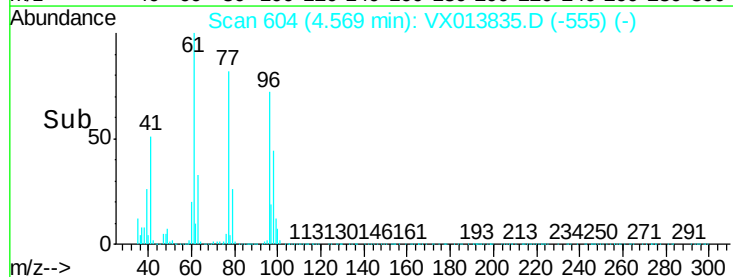
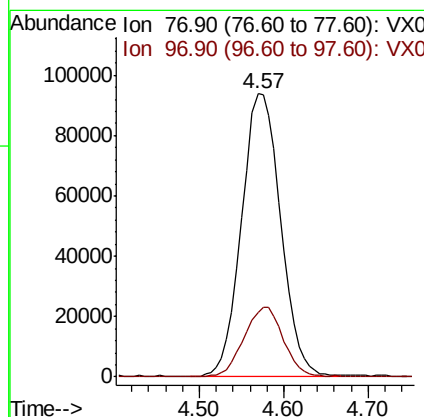
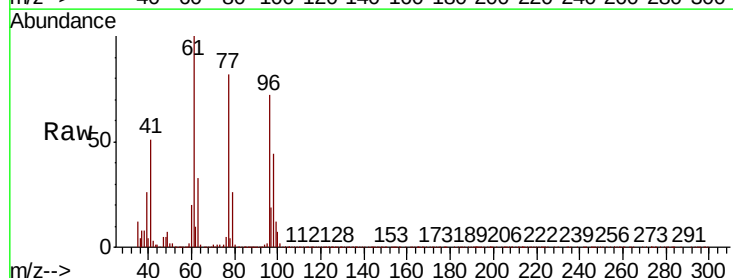
Manual Integrations
APPROVED

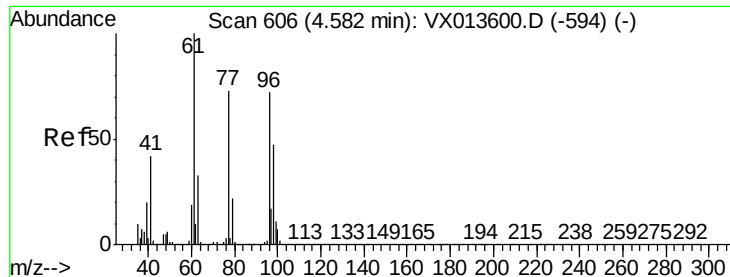
apatel
12/9/2019 9:08:28 AM



#26
2,2-Dichloropropane
Concen: 32.737 ug/l
RT: 4.57 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Tgt Ion: 77 Resp: 294638
Ion Ratio Lower Upper
77 100
97 24.8 12.0 36.1





#27

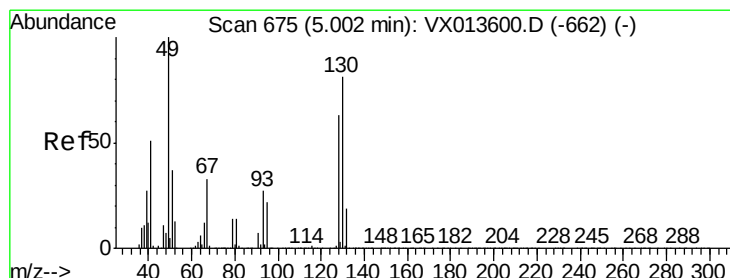
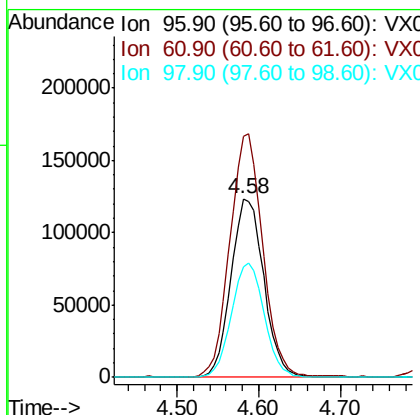
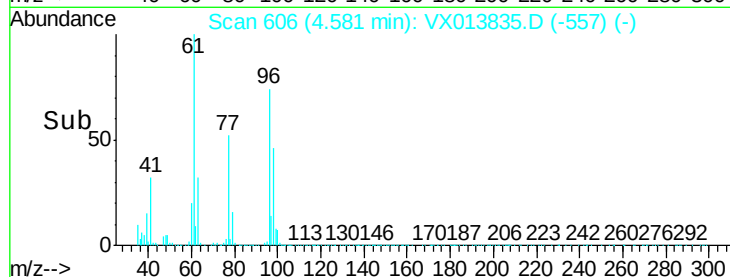
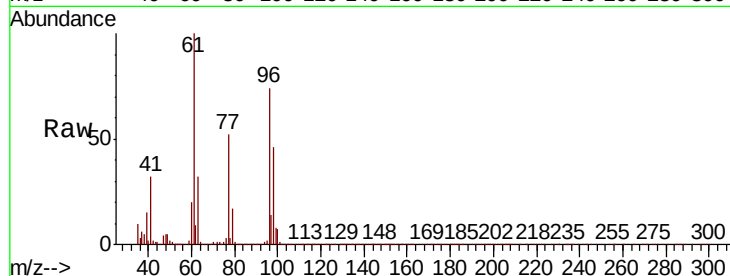
cis-1,2-Dichloroethene
Concen: 48.115 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	342778		
61	135.9	0.0	286.4	
98	63.9	0.0	127.4	

Manual Integrations
APPROVED

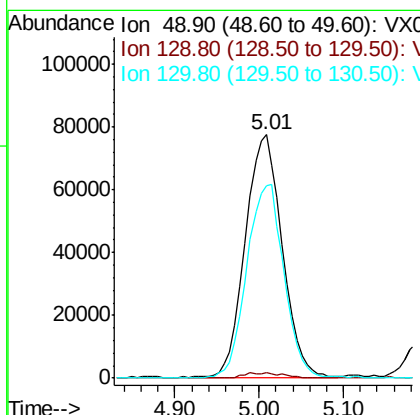
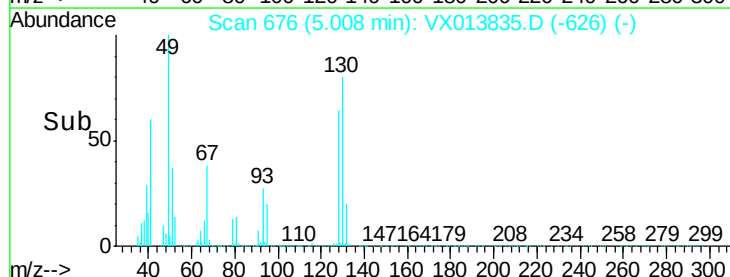
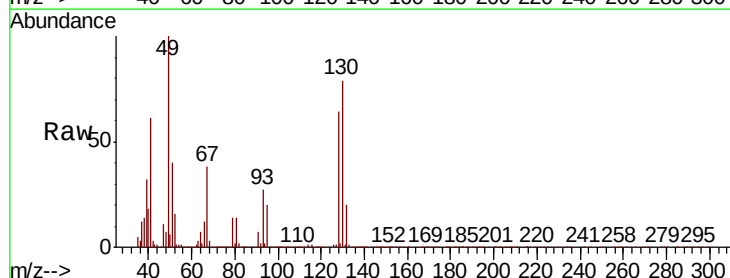
apatel
12/9/2019 9:08:28 AM

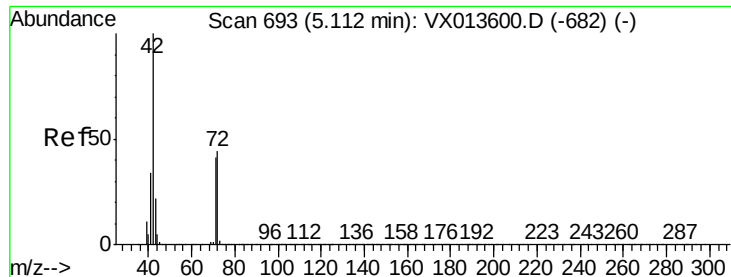


#28

Bromochloromethane
Concen: 53.600 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	230407		
129	2.4	0.0	5.0	
130	79.7	65.4	98.0	





#29

Tetrahydrofuran

Concen: 242.767 ug/l

RT: 5.11 min Scan# 693

Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Instrument :

MSVOA_X

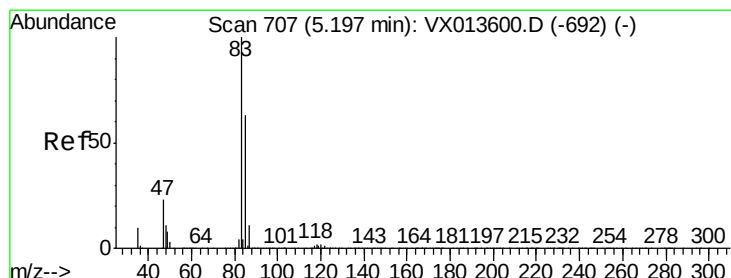
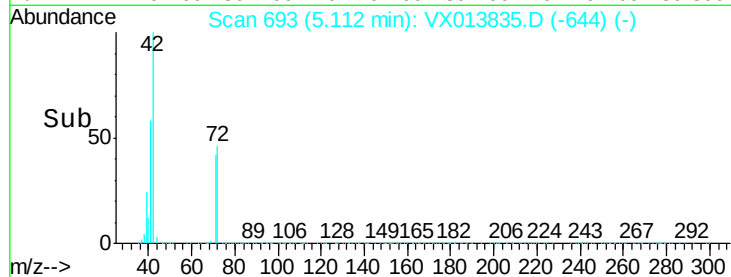
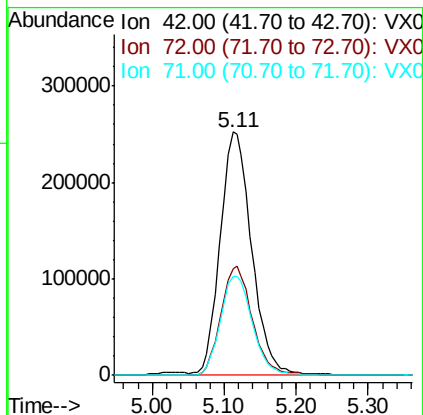
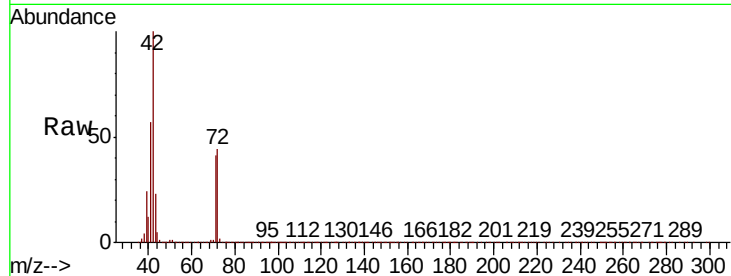
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	762722
Ion Ratio		Lower	Upper
42	100		
72	44.8	36.3	54.5
71	41.5	33.2	49.8

Manual Integrations
APPROVED

apatel
12/9/2019 9:08:28 AM



#30

Chloroform

Concen: 47.788 ug/l

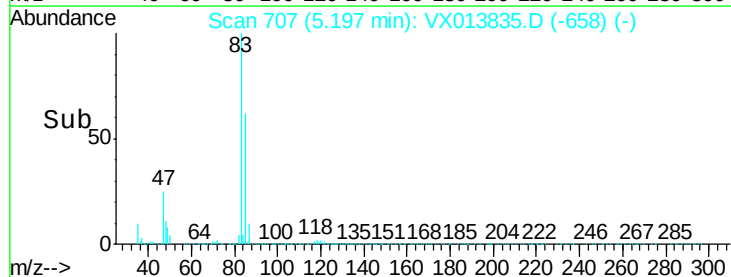
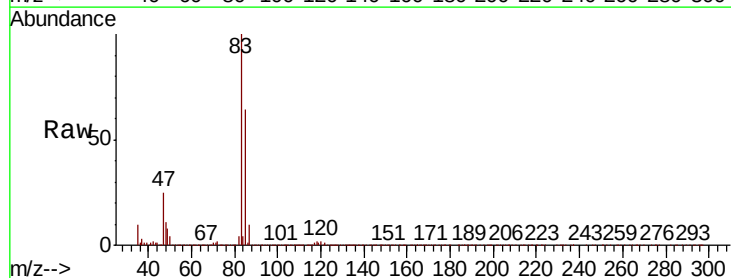
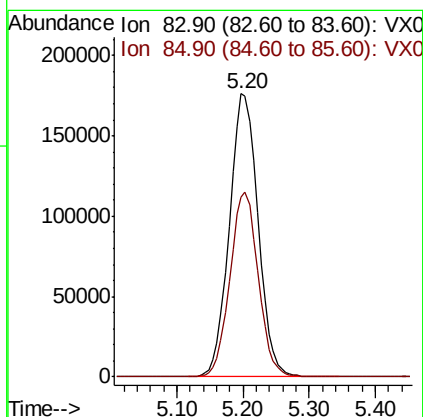
RT: 5.20 min Scan# 707

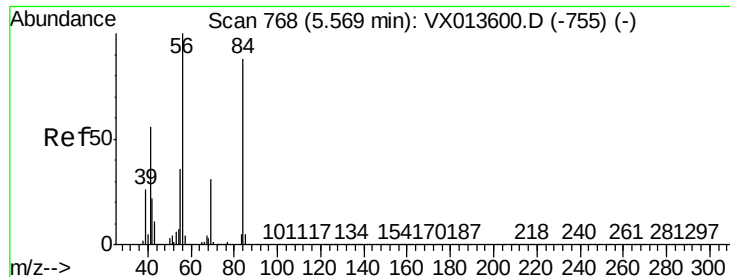
Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Tgt Ion:	83	Resp:	527190
Ion Ratio		Lower	Upper
83	100		
85	63.5	50.2	75.4





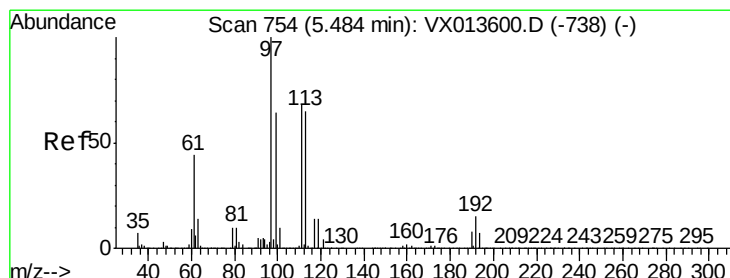
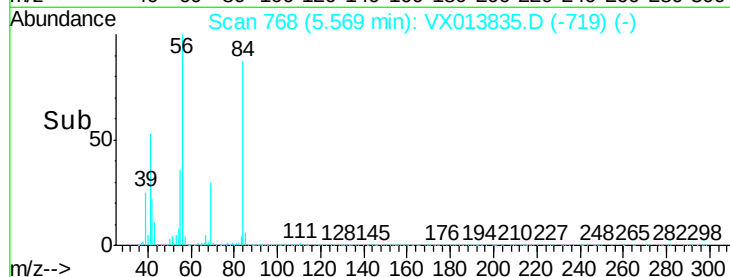
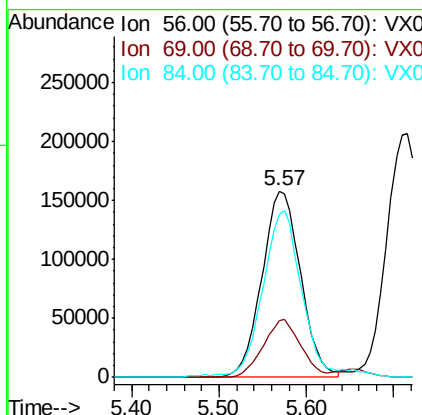
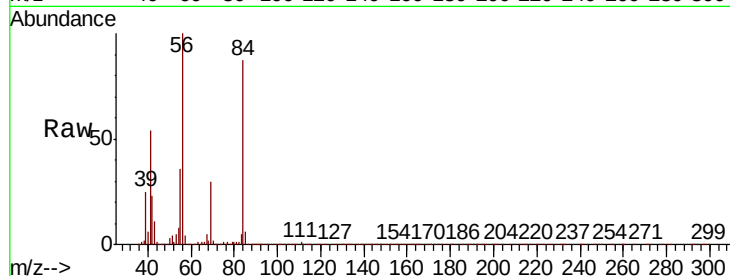
#31
Cyclohexane
Concen: 47.386 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.1	24.6	36.8
84	86.3	70.0	105.0

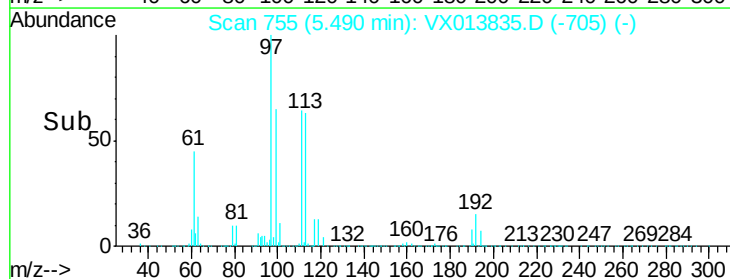
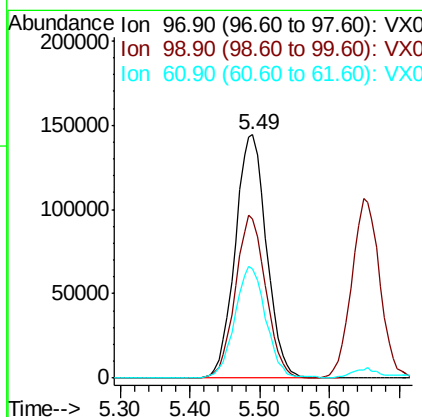
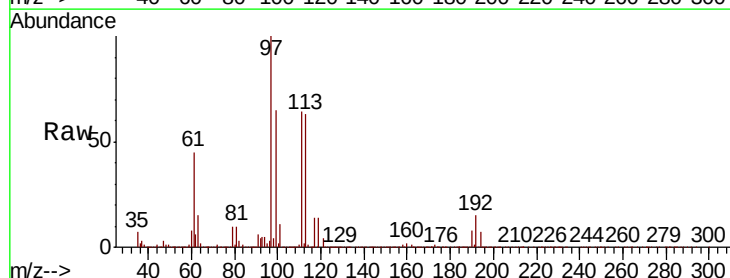
Manual Integrations
APPROVED

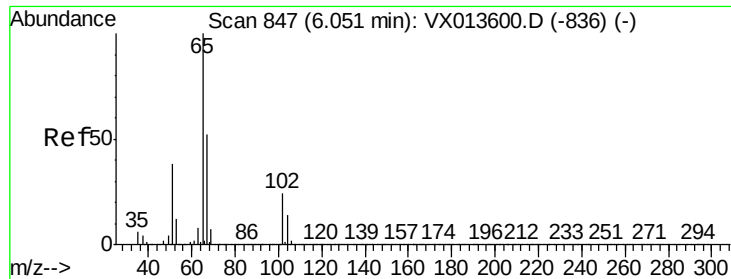
apatel
12/9/2019 9:08:28 AM



#32
1,1,1-Trichloroethane
Concen: 48.638 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.6	77.4
61	45.6	36.1	54.1





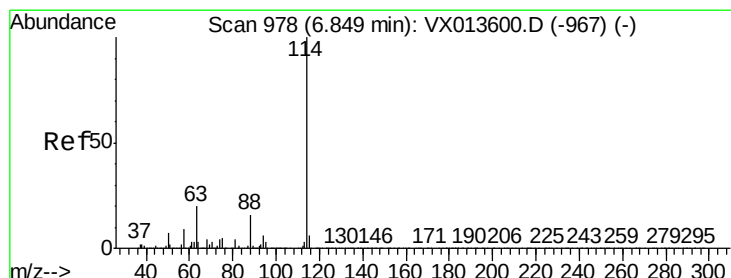
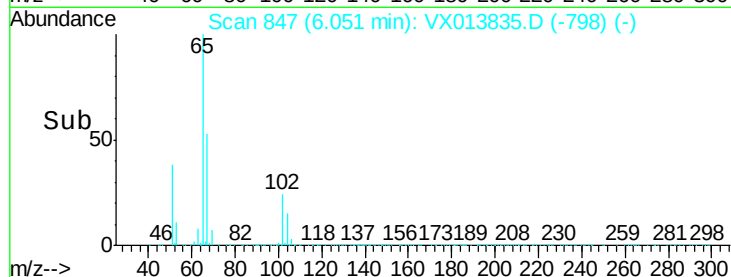
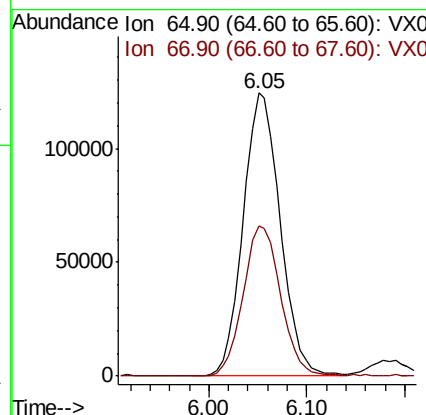
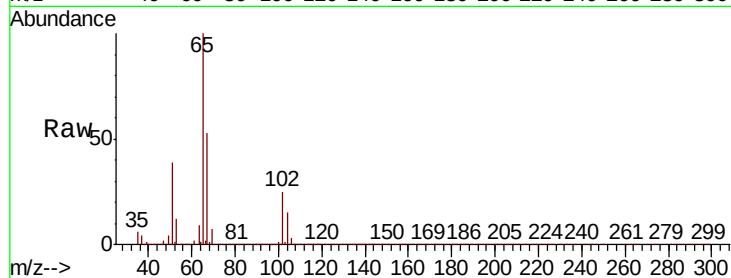
#33
 1,2-Dichloroethane-d4
 Concen: 46.981 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013835.D
 Acq: 07 Dec 2019 05:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.2	0.0	104.4	

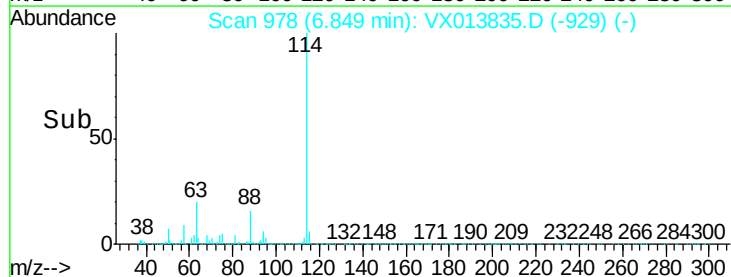
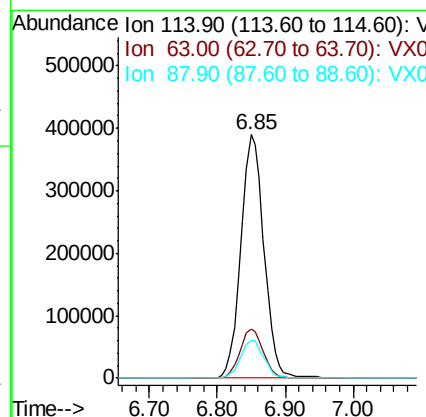
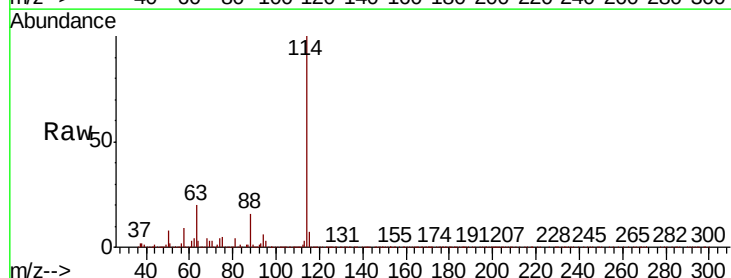
Manual Integrations
 APPROVED

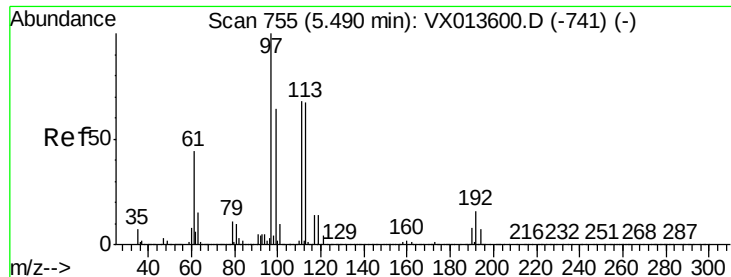
apatel
 12/9/2019 9:08:28 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013835.D
 Acq: 07 Dec 2019 05:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.2	0.0	39.6	
88	15.6	0.0	31.4	





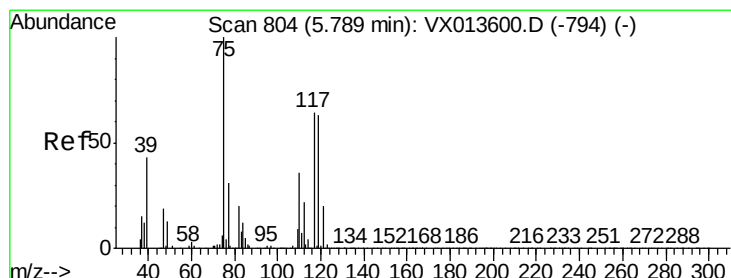
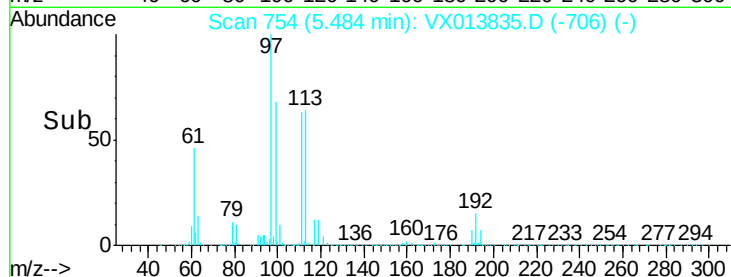
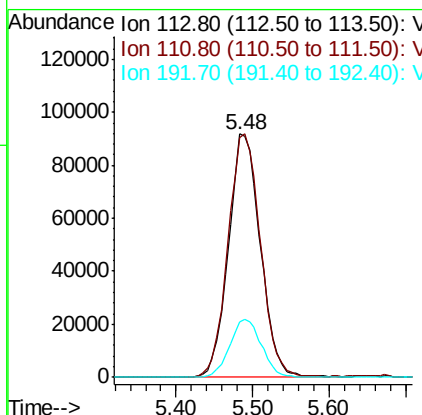
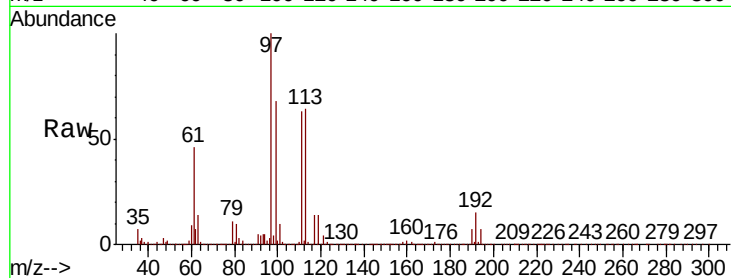
#35
Dibromofluoromethane
Concen: 46.603 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.6	125.4
192	24.0	19.2	28.8

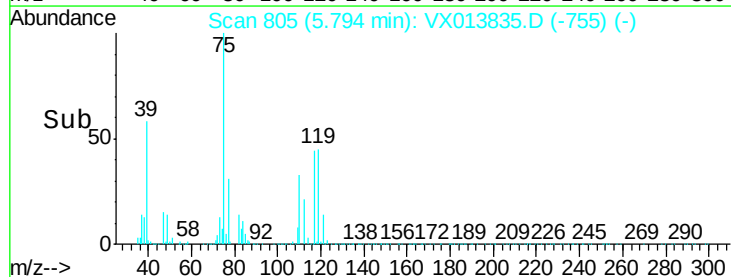
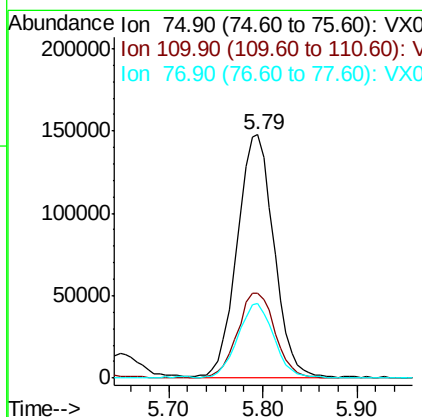
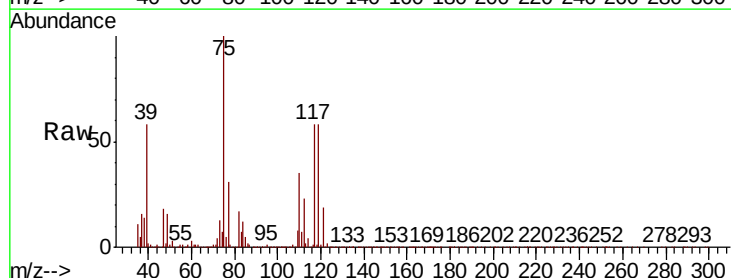
Manual Integrations
APPROVED

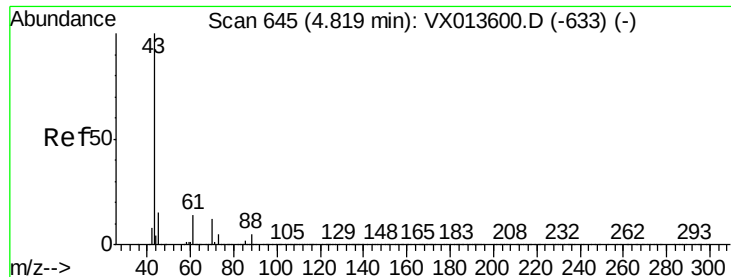
apatel
12/9/2019 9:08:28 AM



#36
1,1-Dichloropropene
Concen: 47.758 ug/l
RT: 5.79 min Scan# 805
Delta R.T. 0.01 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.1	54.1
77	30.2	24.5	36.7





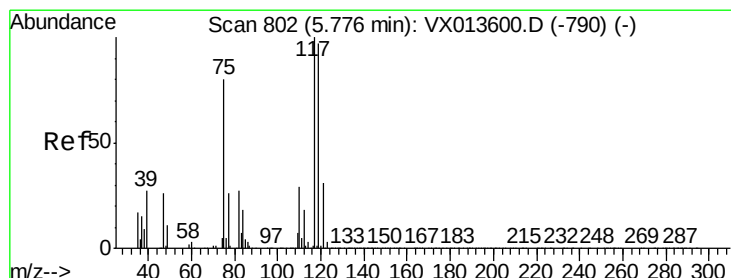
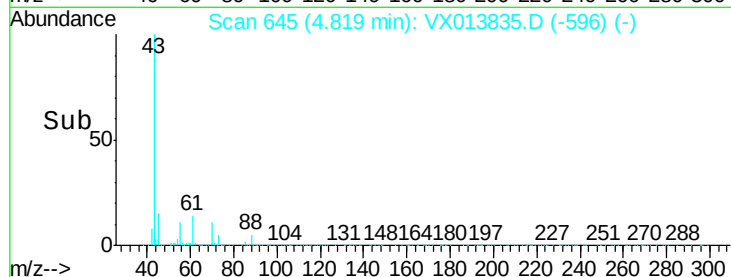
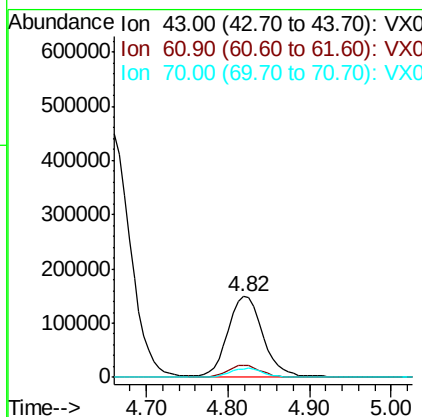
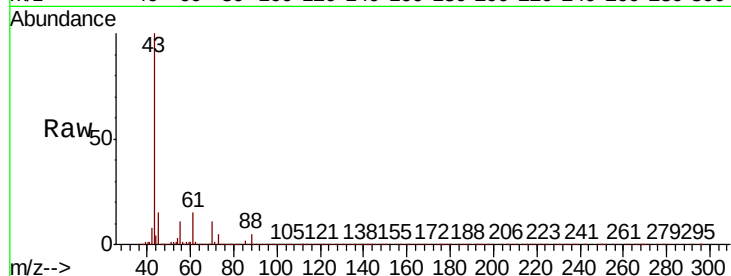
#37
Ethyl Acetate
Concen: 47.212 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	441578
Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.4
70	10.8	8.6	12.8

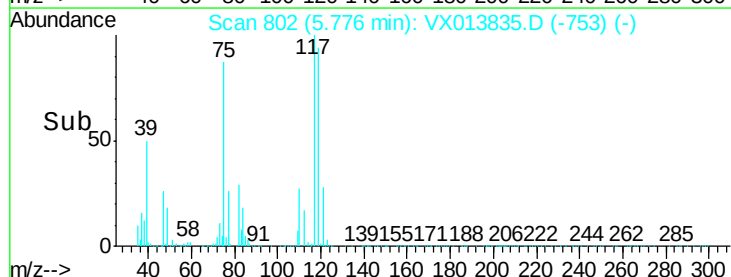
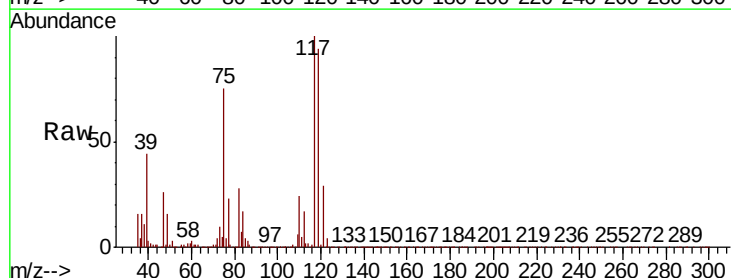
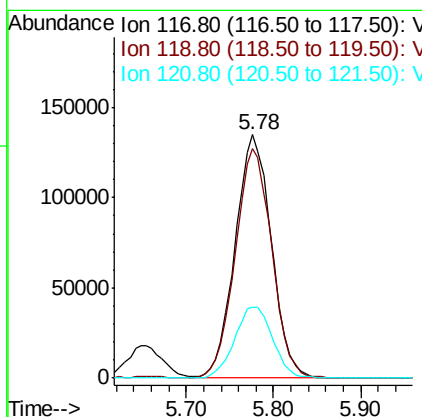
Manual Integrations
APPROVED

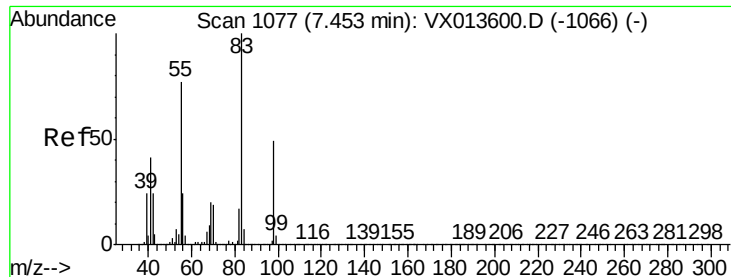
apatel
12/9/2019 9:08:28 AM



#38
Carbon Tetrachloride
Concen: 50.166 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Tgt Ion:	117	Resp:	385660
Ion	Ratio	Lower	Upper
117	100		
119	94.3	77.5	116.3
121	28.8	25.0	37.6





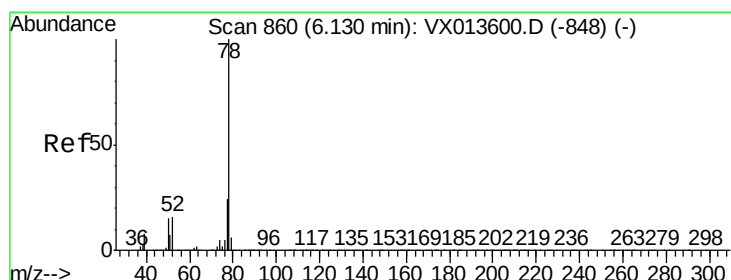
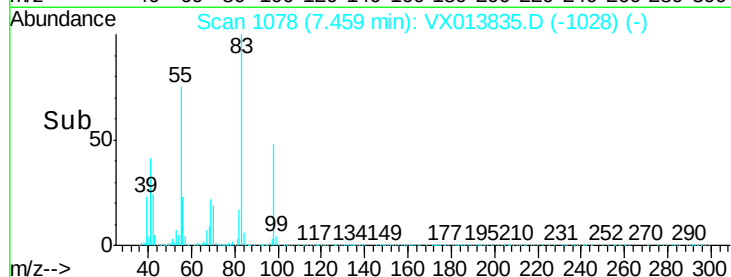
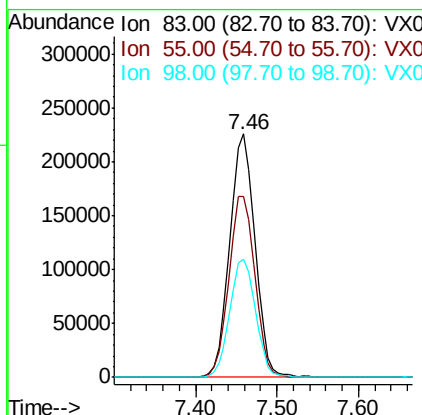
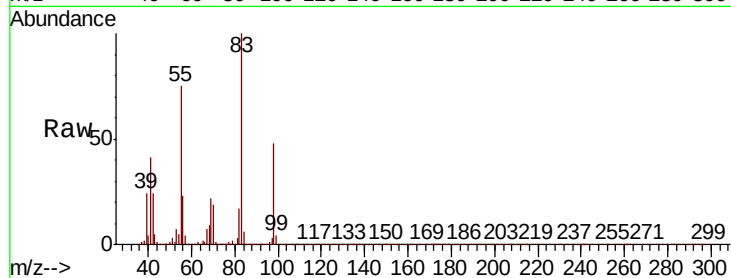
#39
Methylvlcyclohexane
Concen: 46.664 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.4	61.9	92.9
98	48.2	39.4	59.0

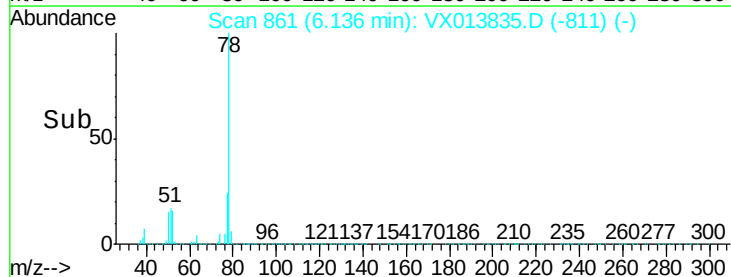
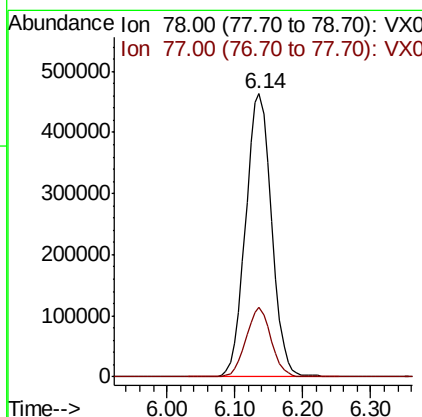
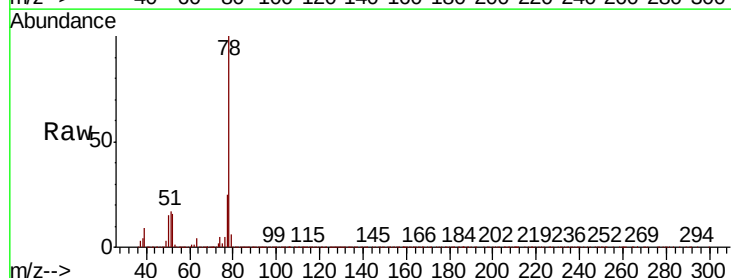
Manual Integrations
APPROVED

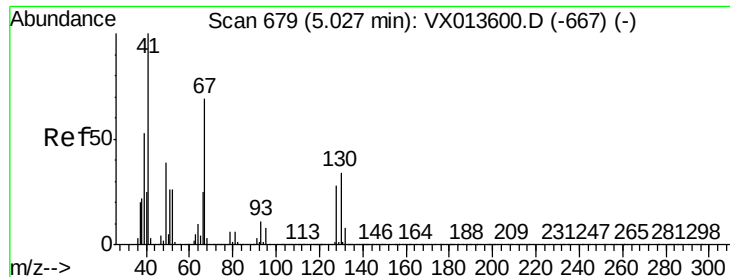
apatel
12/9/2019 9:08:28 AM



#40
Benzene
Concen: 48.557 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.0	28.4





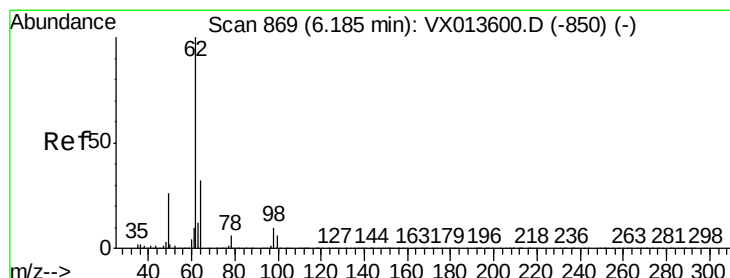
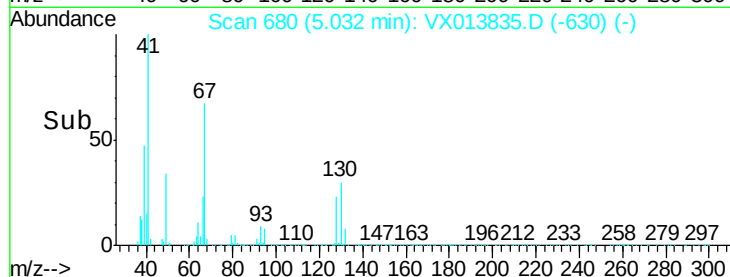
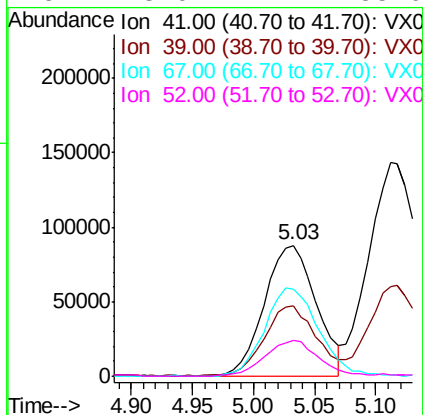
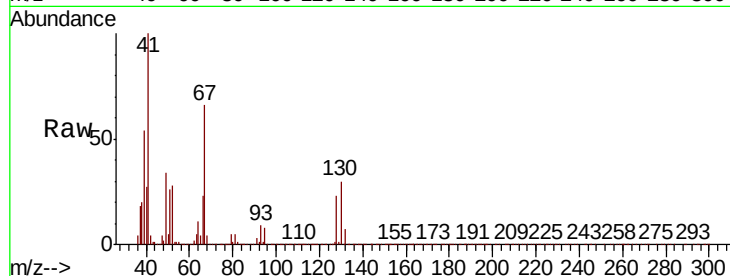
#41
Methacrylonitrile
Concen: 50.552 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.4	42.9	64.3	
67	69.9	57.4	86.0	
52	28.0	22.4	33.6	

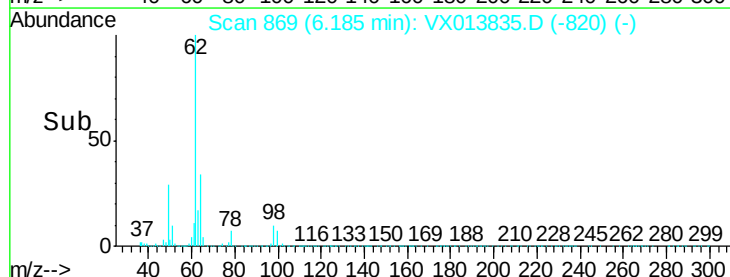
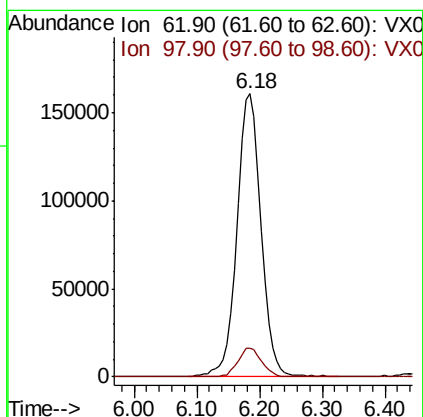
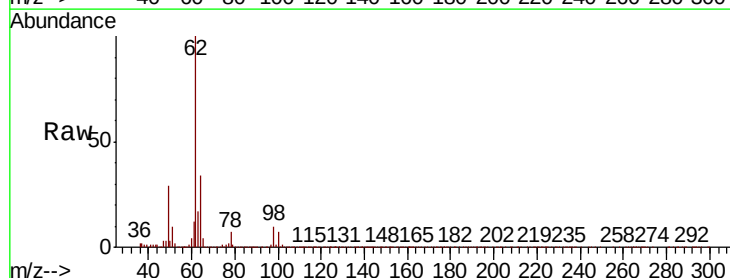
Manual Integrations
APPROVED

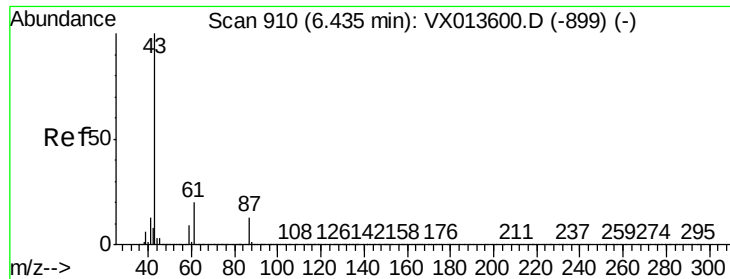
apatel
12/9/2019 9:08:28 AM



#42
1,2-Dichloroethane
Concen: 48.862 ug/l
RT: 6.18 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	20.8	





#43

Isopropyl Acetate

Concen: 48.518 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Instrument :

MSVOA_X

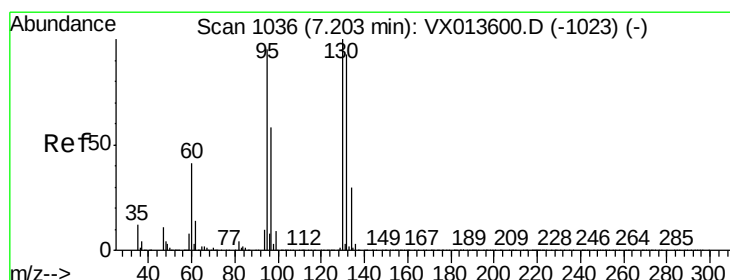
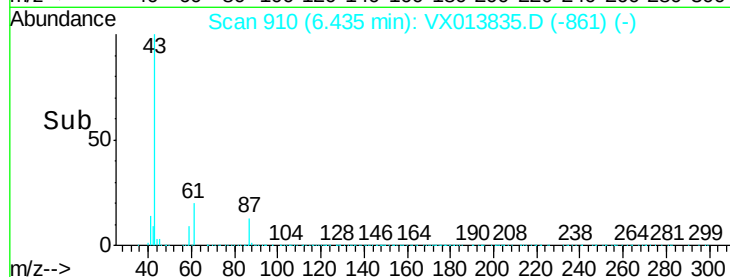
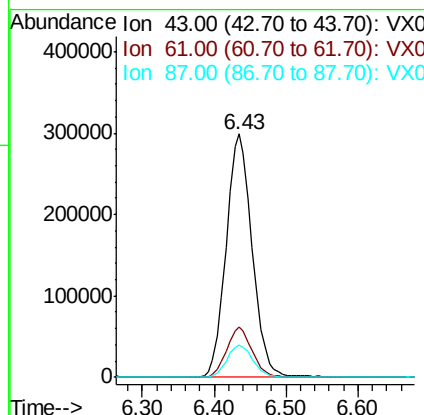
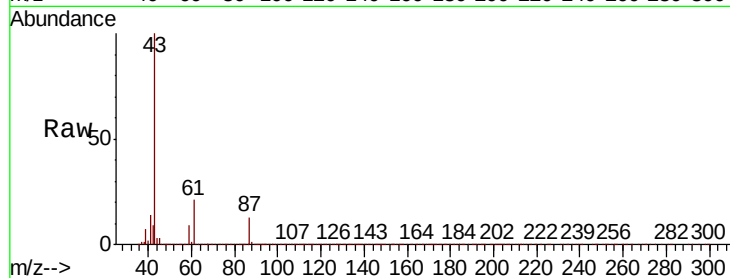
ClientSampleId :

VSTDCCC050EC

Tot Ion	43	Resp	747085
Ion Ratio	Lower	Upper	
43	100		
61	19.9	16.3	24.5
87	13.5	10.8	16.2

Manual Integrations
APPROVED

apatel
12/9/2019 9:08:28 AM



#44

Trichloroethene

Concen: 54.953 ug/l

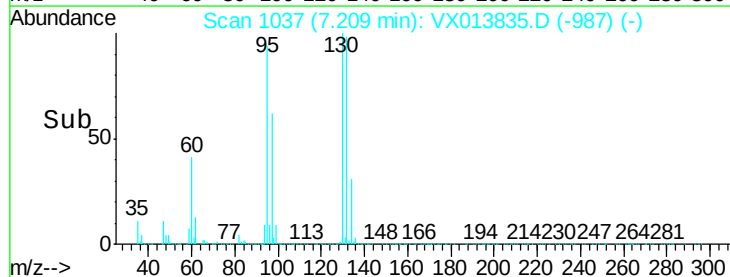
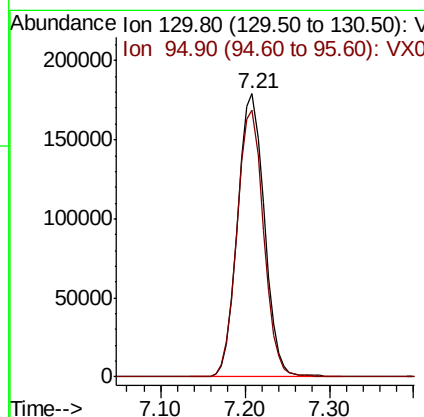
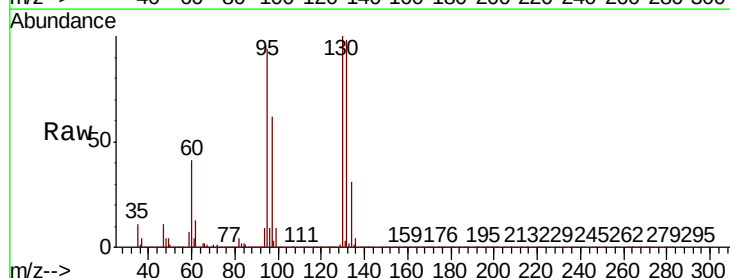
RT: 7.21 min Scan# 1037

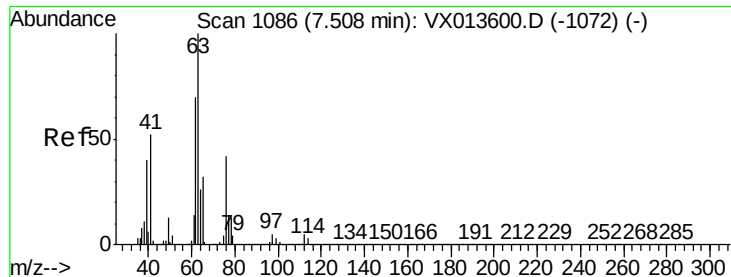
Delta R.T. 0.01 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Tgt Ion	130	Resp	382962
Ion Ratio	Lower	Upper	
130	100		
95	94.1	0.0	190.8





#45

1,2-Dichloropropane

Concen: 50.623 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 63 Resp: 321613

Ion Ratio Lower Upper

63 100

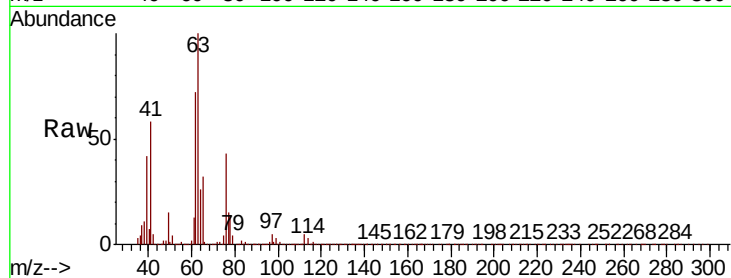
65 31.6 25.5 38.3

Manual Integrations

APPROVED

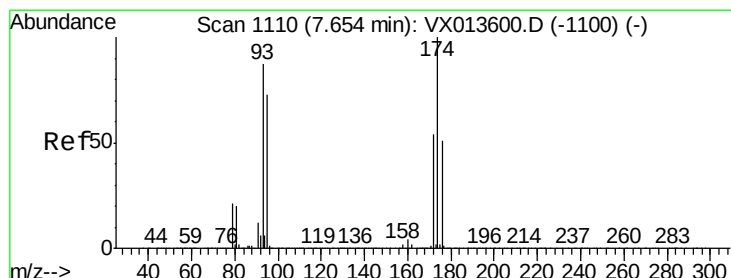
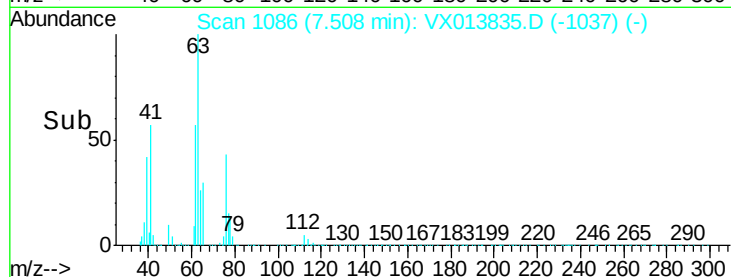
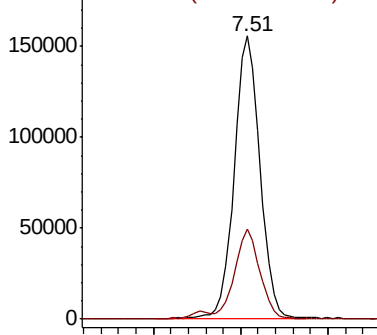
apatel

12/9/2019 9:08:28 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 47.666 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

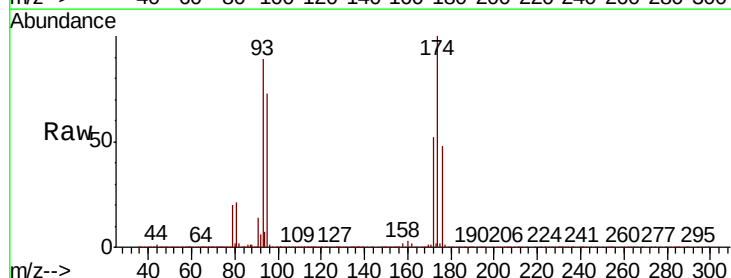
Tgt Ion: 93 Resp: 205675

Ion Ratio Lower Upper

93 100

95 85.3 66.2 99.2

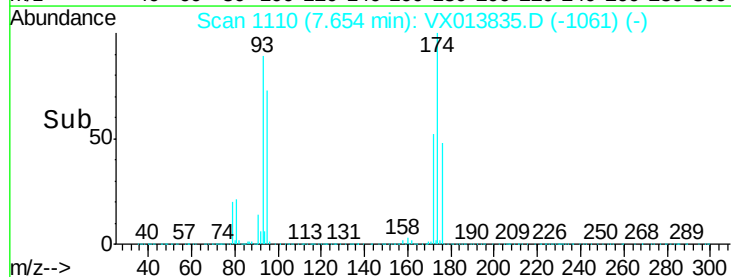
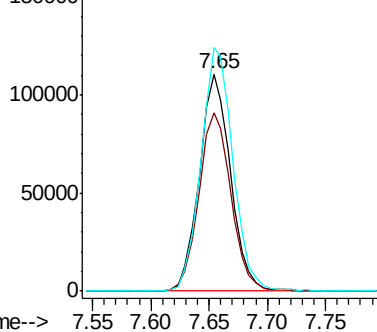
174 115.6 93.4 140.0

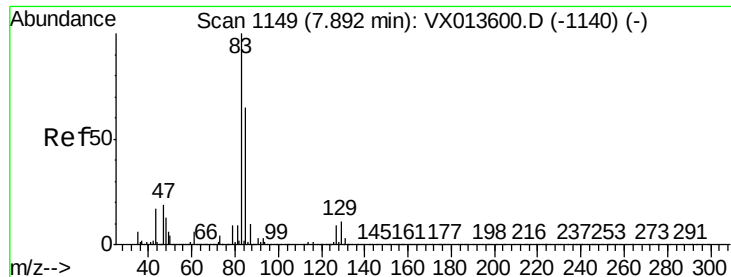


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.683 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Instrument :

MSVOA_X

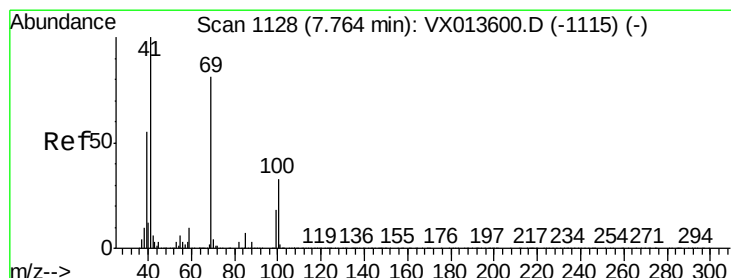
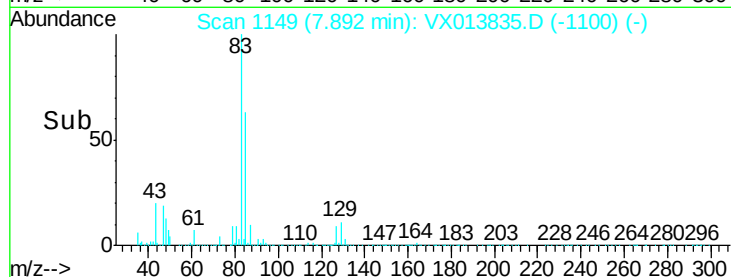
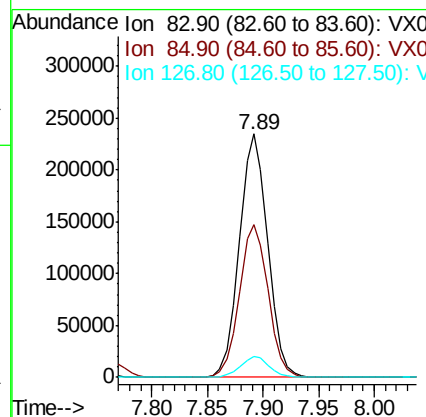
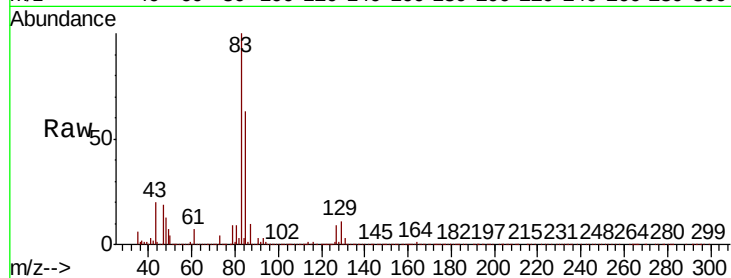
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	413429
Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.1	78.1
127	8.6	7.0	10.4

Manual Integrations
APPROVED

apatel
12/9/2019 9:08:28 AM



#48

Methyl methacrylate

Concen: 49.461 ug/l

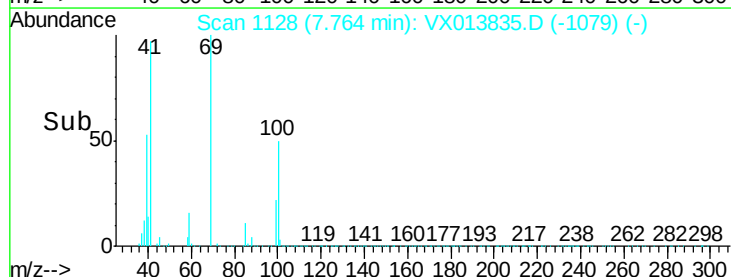
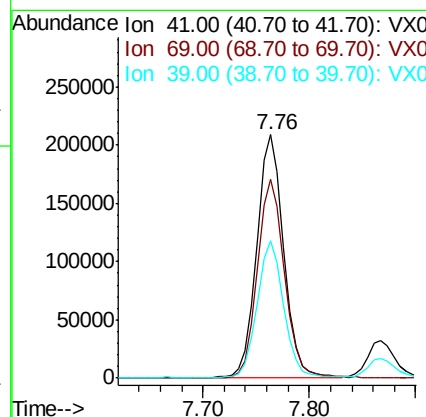
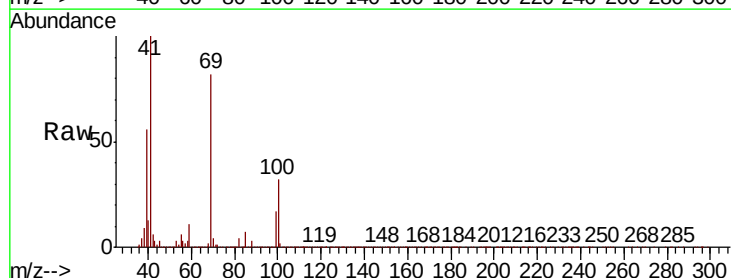
RT: 7.76 min Scan# 1128

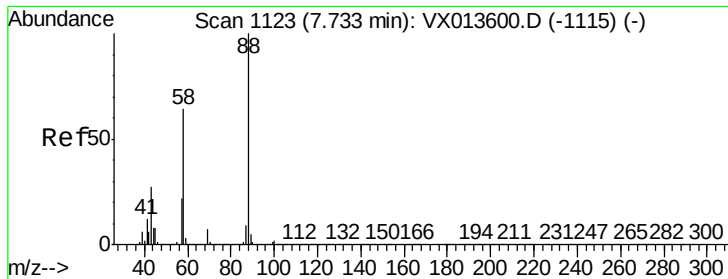
Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Tgt Ion:	41	Resp:	370050
Ion	Ratio	Lower	Upper
41	100		
69	82.4	64.7	97.1
39	55.8	43.8	65.6





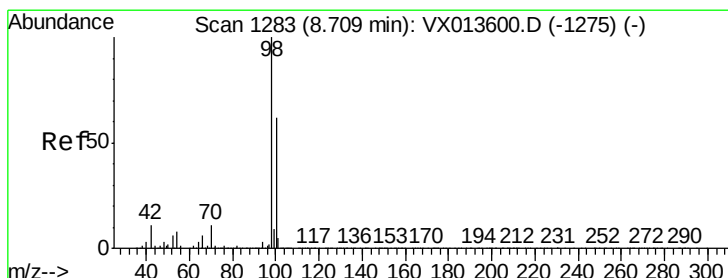
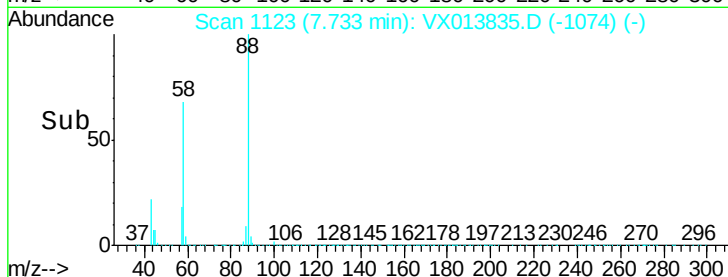
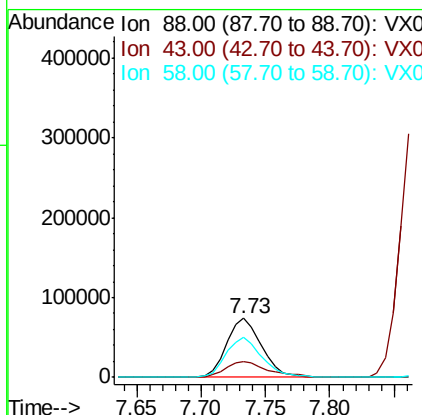
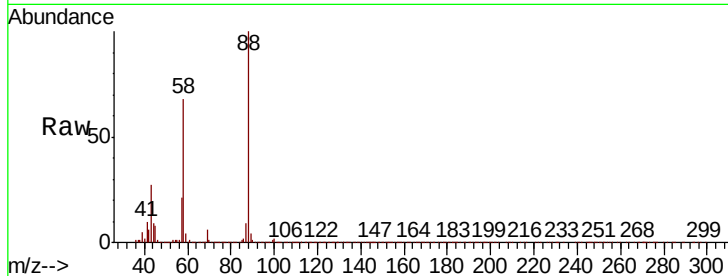
#49
1,4-Dioxane
Concen: 830.437 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	88	Resp:	139071
Ion Ratio	Lower	Upper	
88	100		
43	32.8	25.8	38.6
58	70.6	54.6	82.0

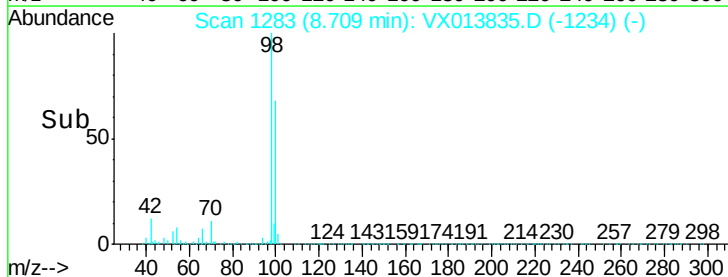
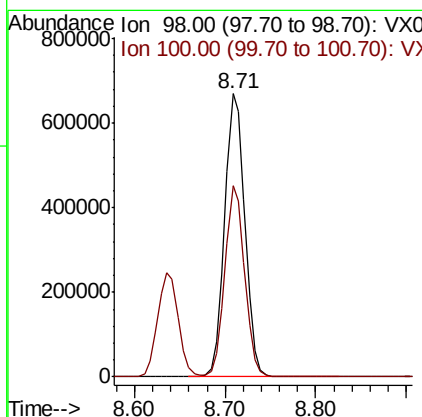
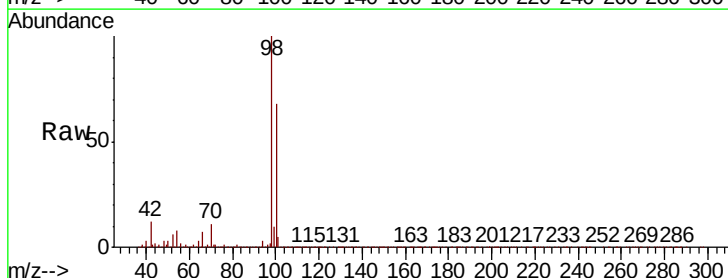
Manual Integrations
APPROVED

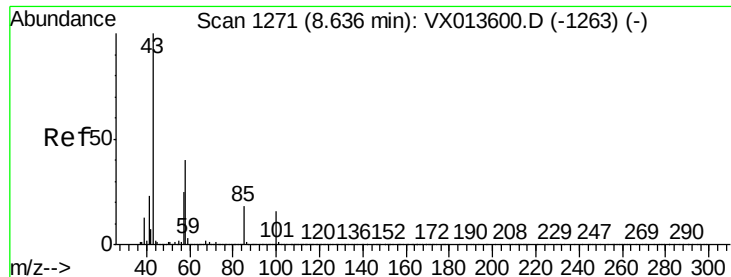
apatel
12/9/2019 9:08:28 AM



#50
Toluene-d8
Concen: 46.846 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Tgt Ion:	98	Resp:	1036328
Ion Ratio	Lower	Upper	
98	100		
100	66.0	53.1	79.7





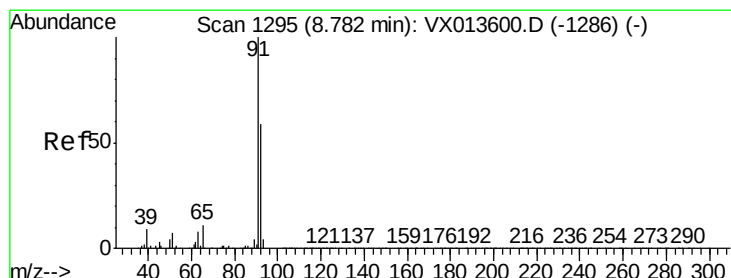
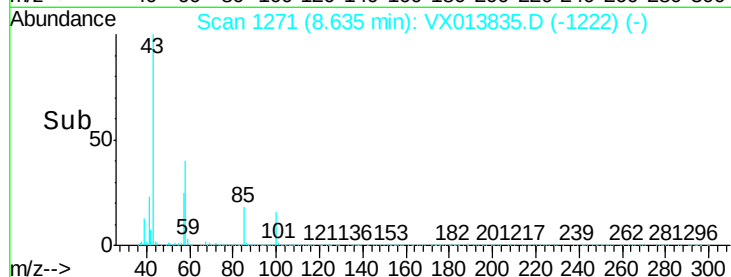
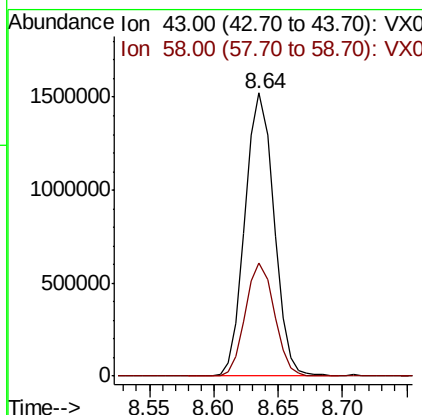
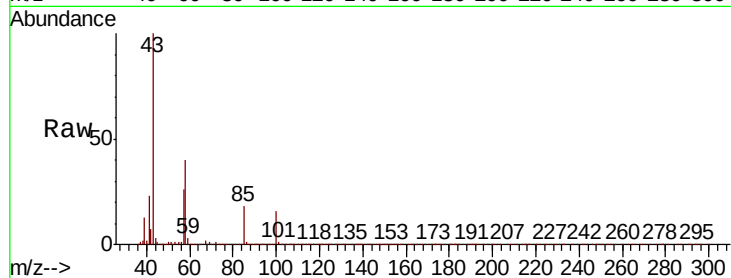
#51
4-Methyl-2-Pentanone
Concen: 245.366 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 2376574
Ion Ratio Lower Upper
43 100
58 39.9 32.1 48.1

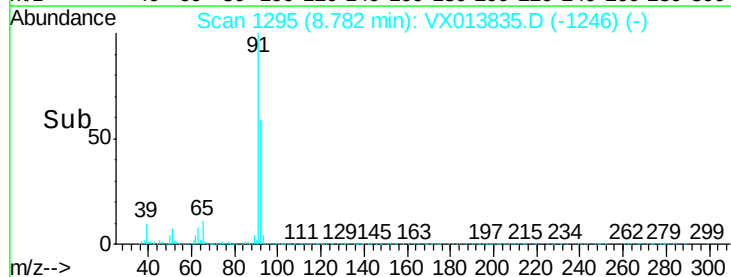
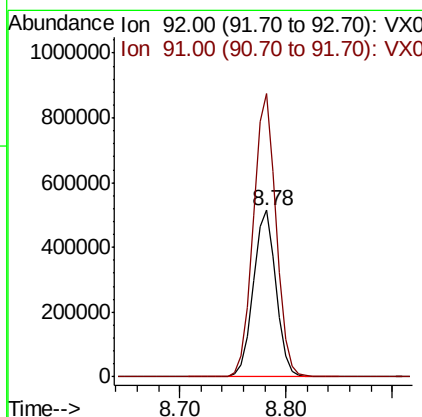
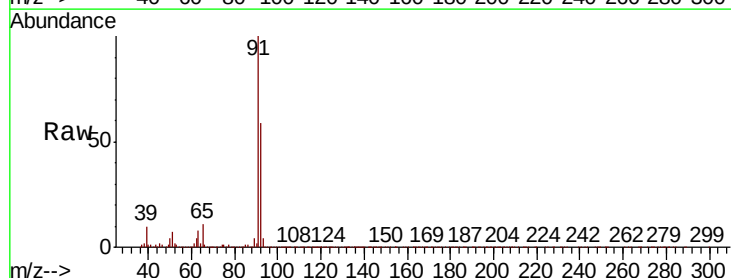
Manual Integrations
APPROVED

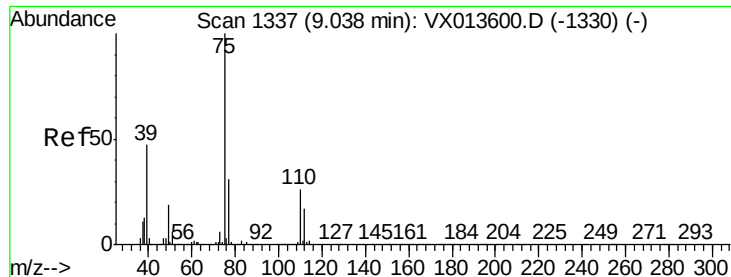
apatel
12/9/2019 9:08:28 AM



#52
Toluene
Concen: 48.727 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Tgt Ion: 92 Resp: 768661
Ion Ratio Lower Upper
92 100
91 170.8 136.2 204.2





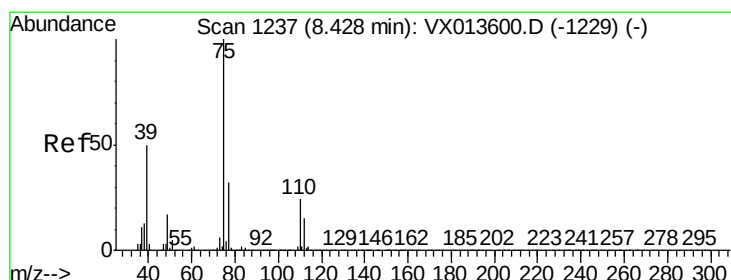
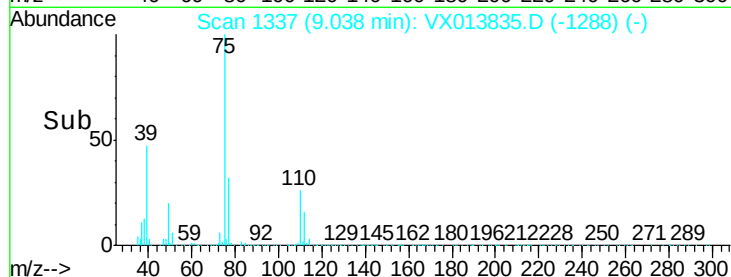
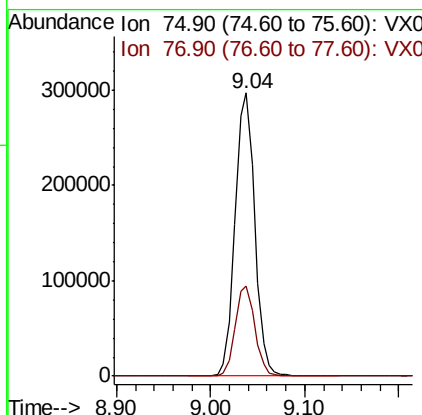
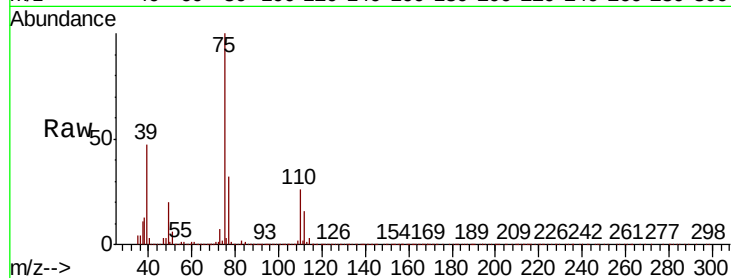
#53
t-1,3-Dichloropropene
Concen: 46.393 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.4	36.6

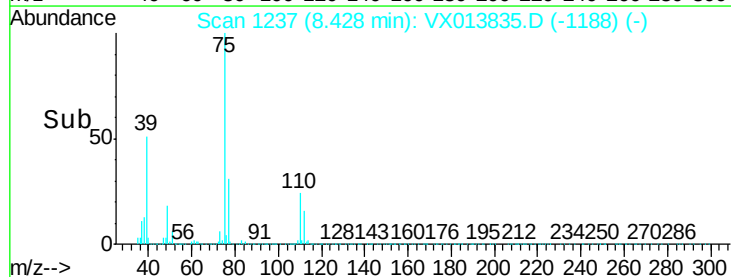
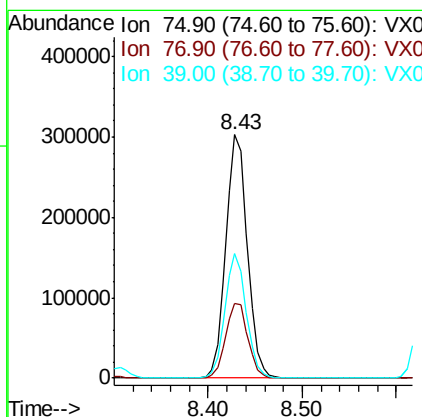
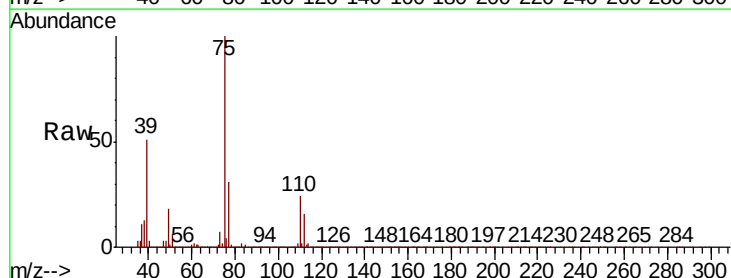
Manual Integrations
APPROVED

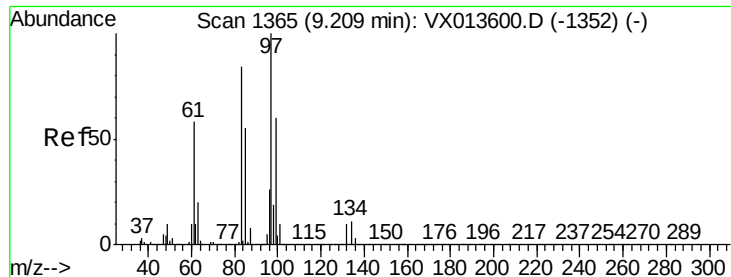
apatel
12/9/2019 9:08:28 AM



#54
cis-1,3-Dichloropropene
Concen: 47.366 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.8	38.6
39	51.0	39.9	59.9





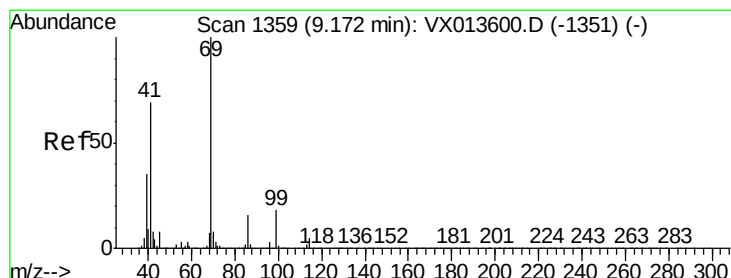
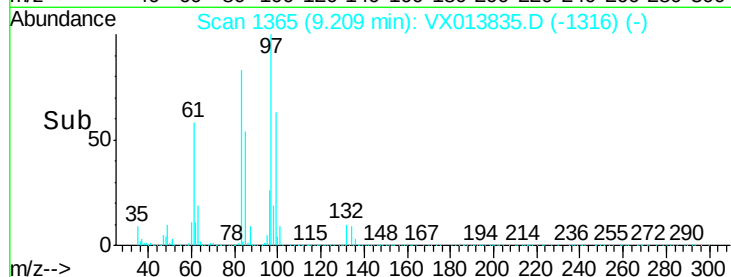
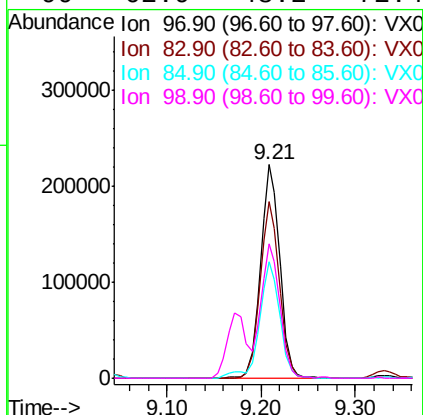
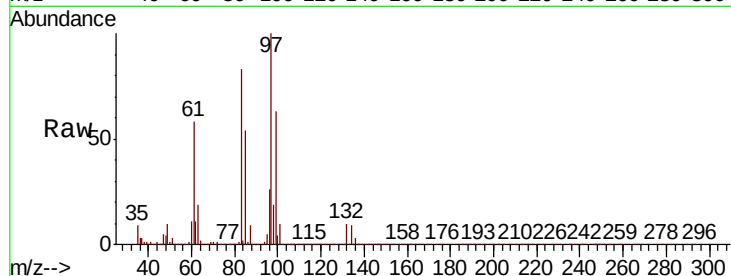
#55
 1,1,2-Trichloroethane
 Concen: 50.242 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013835.D
 Acq: 07 Dec 2019 05:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	319384
Ion	Ratio	Lower	Upper
97	100		
83	82.7	67.3	100.9
85	54.4	43.6	65.4
99	62.9	48.2	72.4

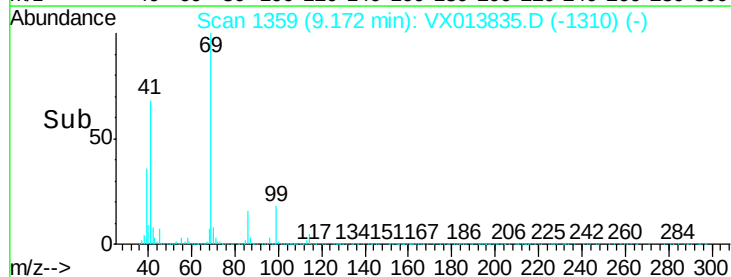
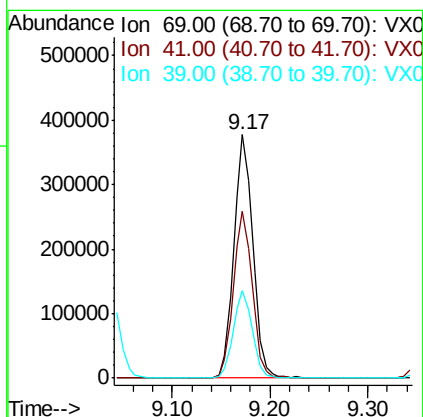
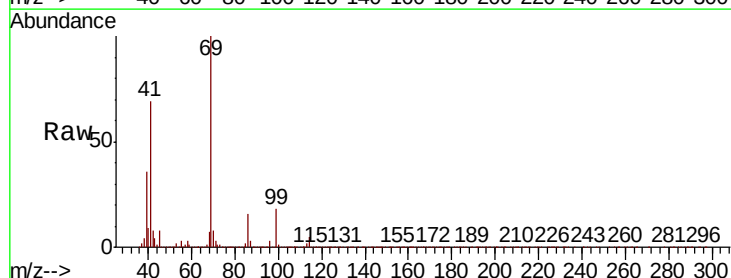
Manual Integrations
 APPROVED

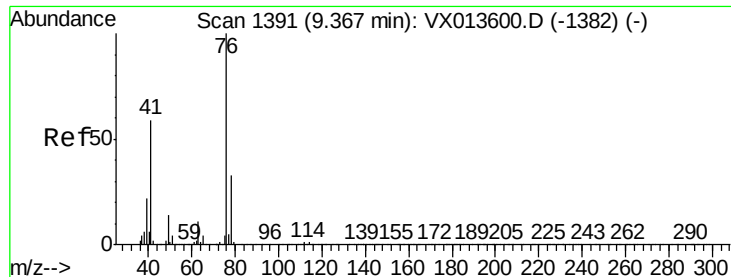
apatel
 12/9/2019 9:08:28 AM



#56
 Ethyl methacrylate
 Concen: 49.752 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX013835.D
 Acq: 07 Dec 2019 05:50

Tgt Ion:	69	Resp:	508480
Ion	Ratio	Lower	Upper
69	100		
41	68.1	55.0	82.4
39	36.1	28.7	43.1





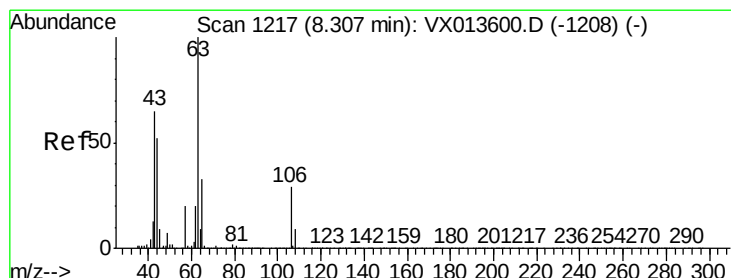
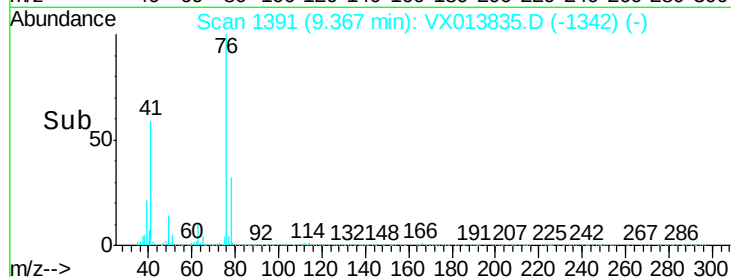
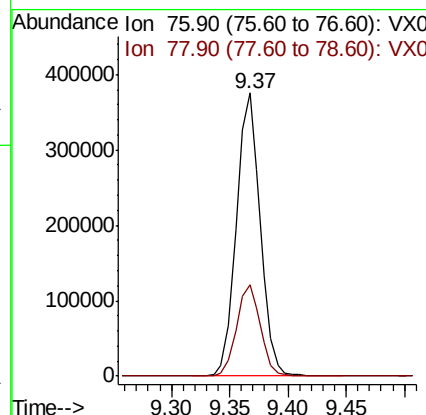
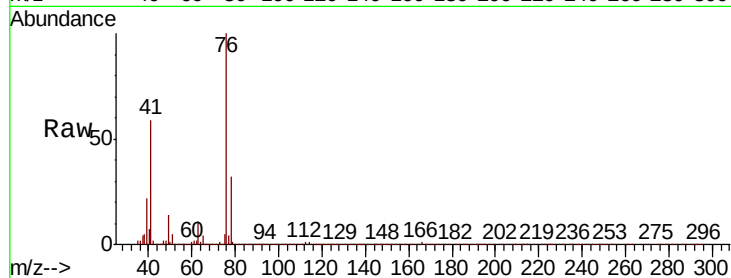
#57
 1,3-Dichloropropane
 Concen: 48.722 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX013835.D
 Acq: 07 Dec 2019 05:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.0	39.0

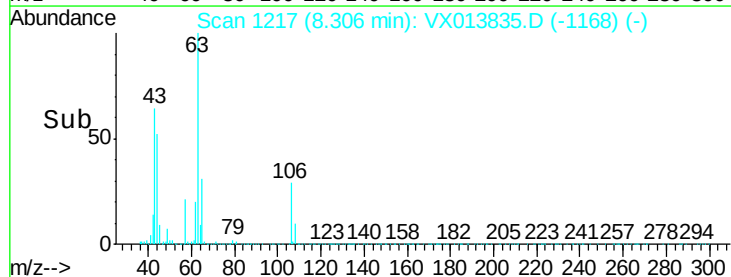
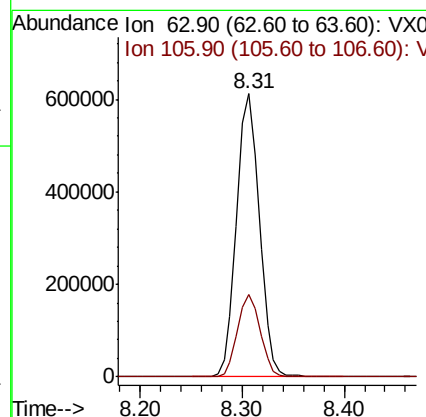
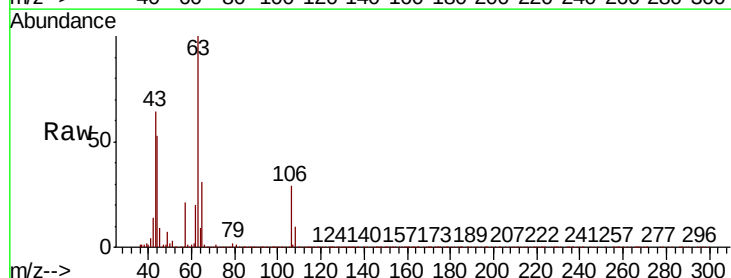
Manual Integrations
 APPROVED

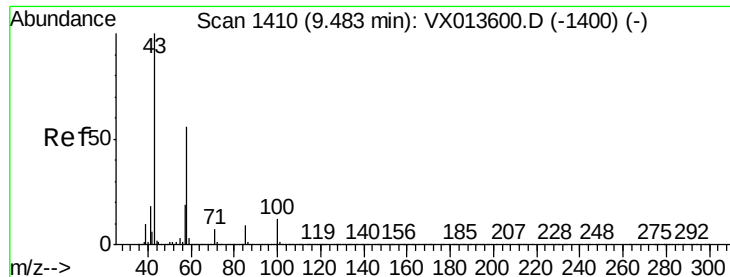
apatel
 12/9/2019 9:08:28 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 236.167 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX013835.D
 Acq: 07 Dec 2019 05:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.1	23.4	35.0





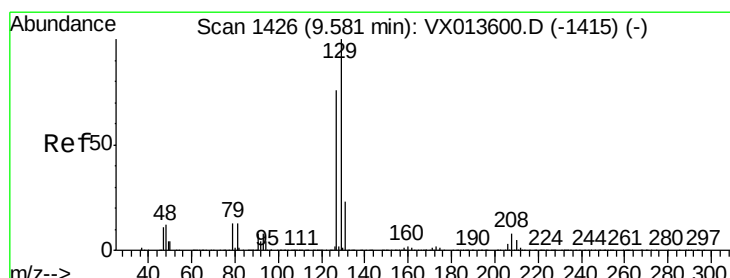
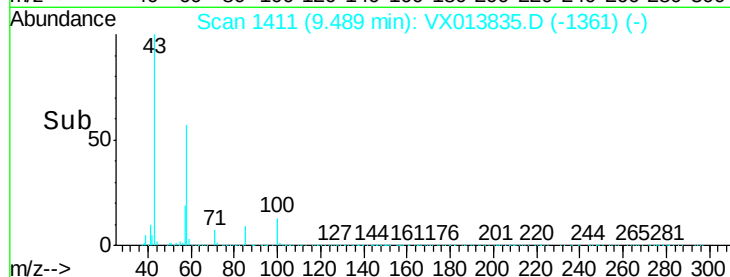
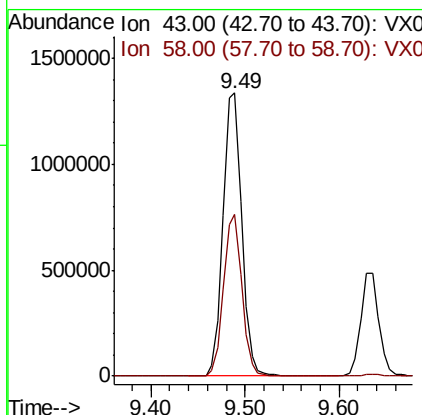
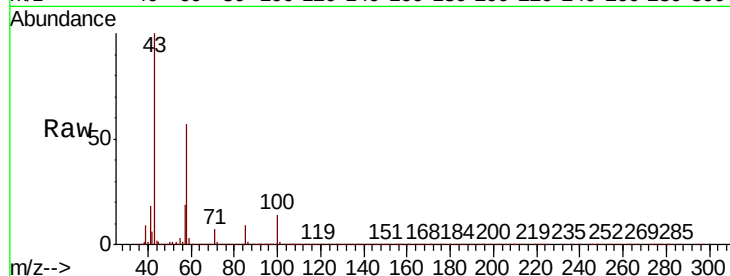
#59
2-Hexanone
Concen: 244.090 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1843906
Ion Ratio Lower Upper
43 100
58 55.8 28.1 84.4

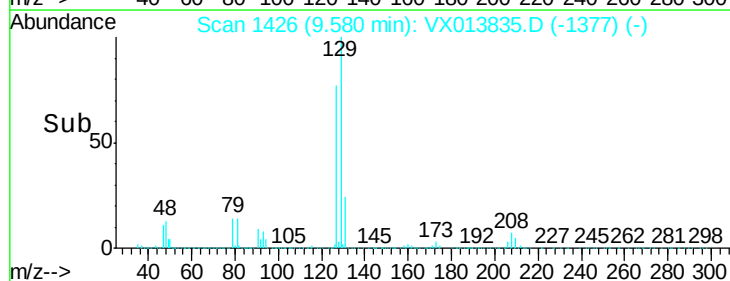
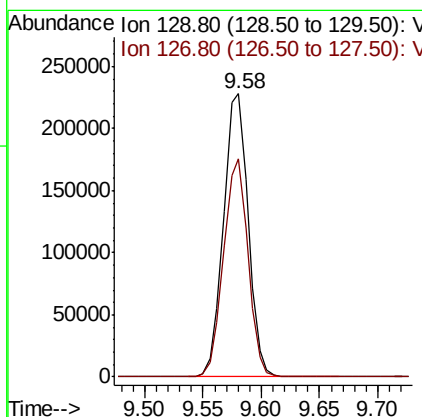
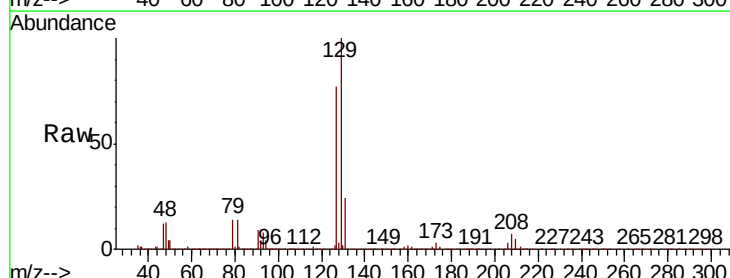
Manual Integrations
APPROVED

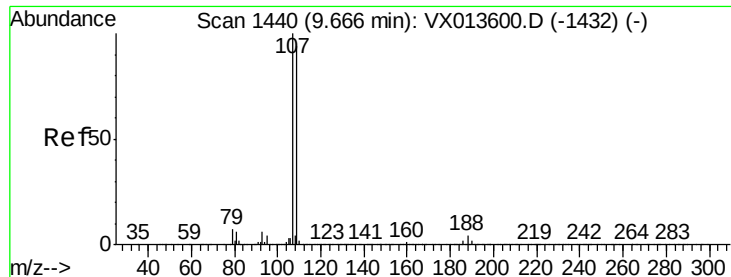
apatel
12/9/2019 9:08:28 AM



#60
Dibromochloromethane
Concen: 50.953 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. -0.00 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Tgt Ion: 129 Resp: 336149
Ion Ratio Lower Upper
129 100
127 76.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 48.237 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 327504

Ion Ratio Lower Upper

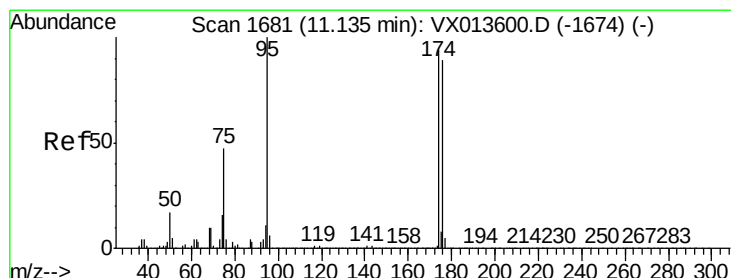
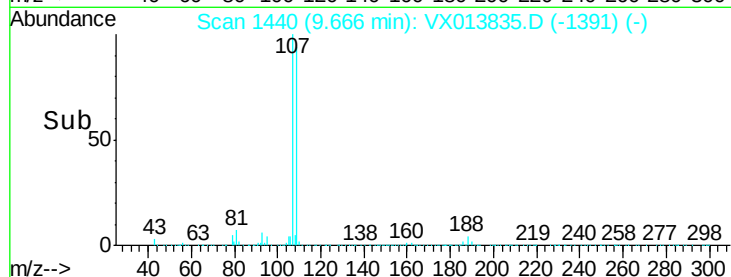
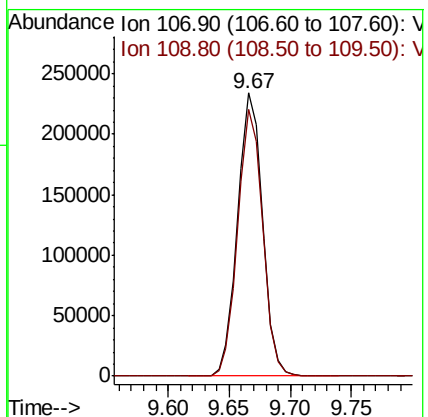
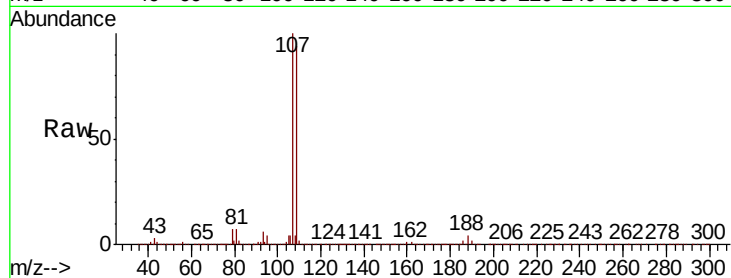
107 100

109 94.7 76.1 114.1

Manual Integrations
APPROVED

apatel

12/9/2019 9:08:28 AM



#62

4-Bromofluorobenzene

Concen: 47.423 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

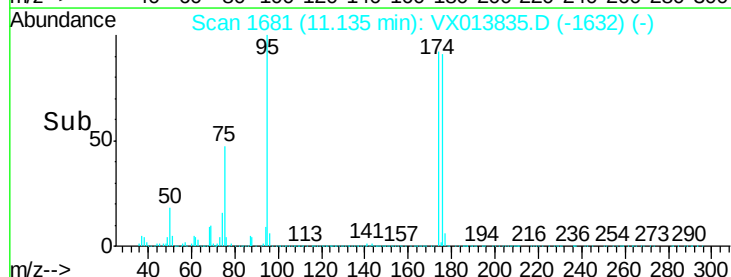
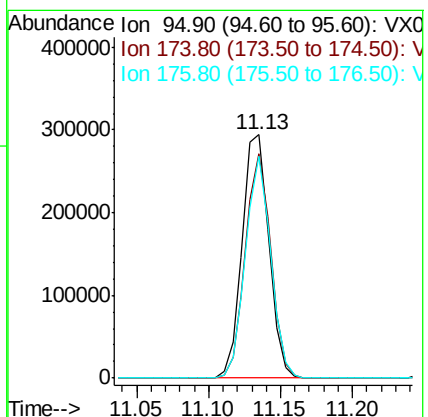
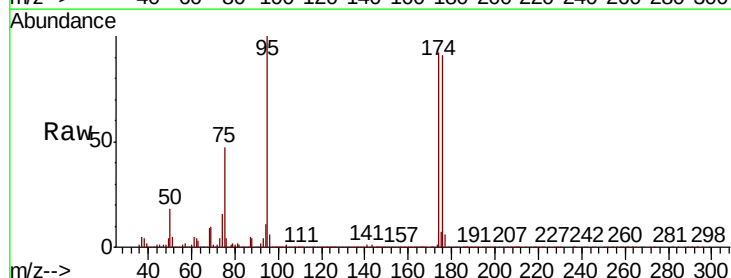
Tgt Ion: 95 Resp: 378305

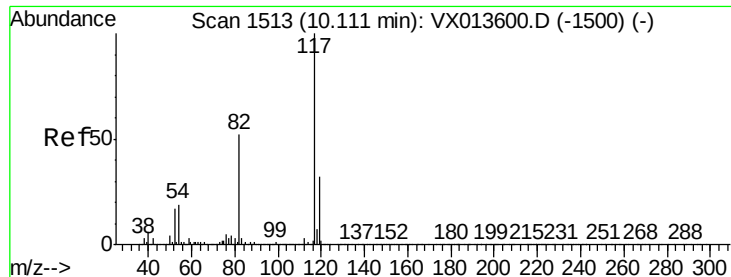
Ion Ratio Lower Upper

95 100

174 87.8 0.0 180.0

176 86.1 0.0 173.6





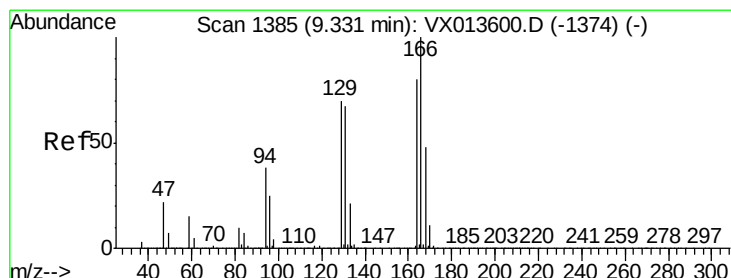
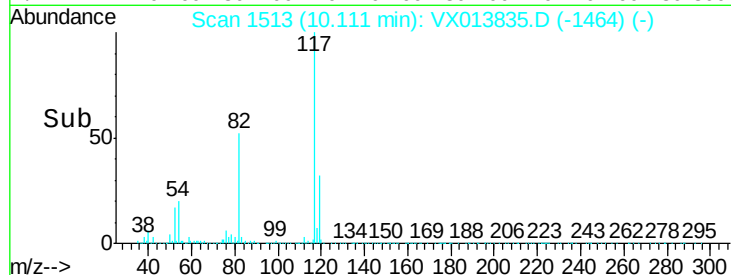
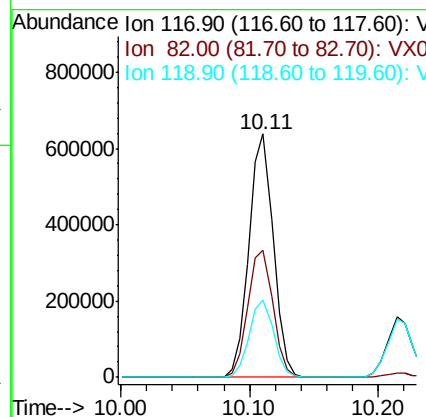
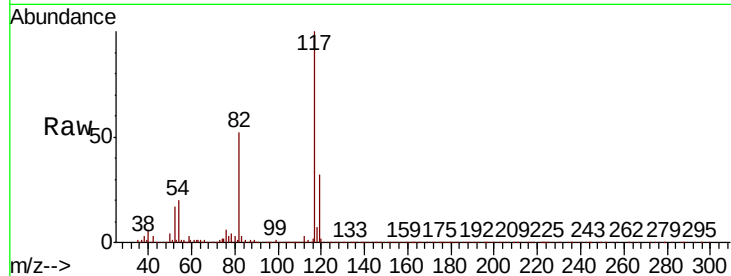
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	41.8	62.8
119	31.8	25.8	38.8

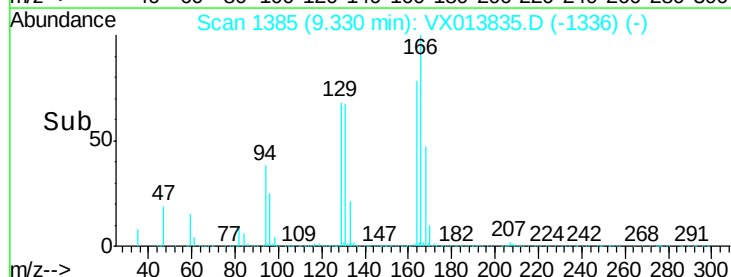
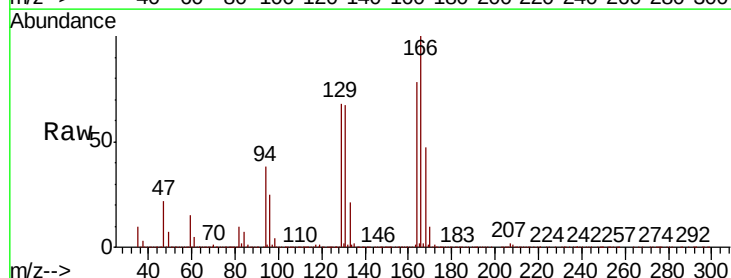
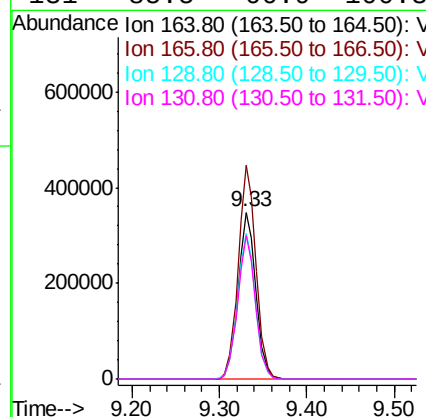
Manual Integrations
APPROVED

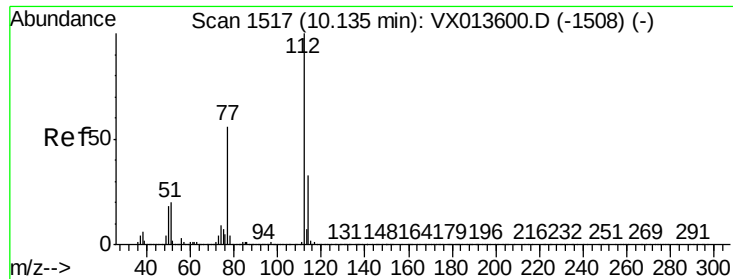
apatel
12/9/2019 9:08:28 AM



#64
Tetrachloroethene
Concen: 80.286 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	99.7	149.5
129	87.4	70.1	105.1
131	85.5	66.9	100.3





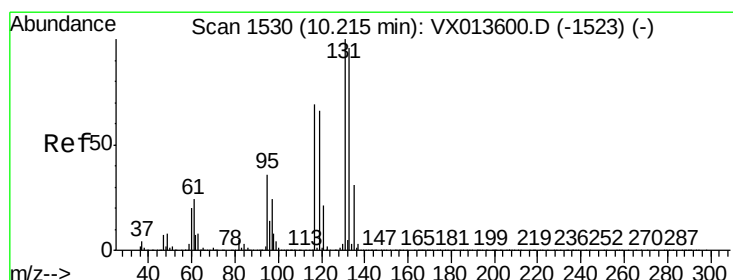
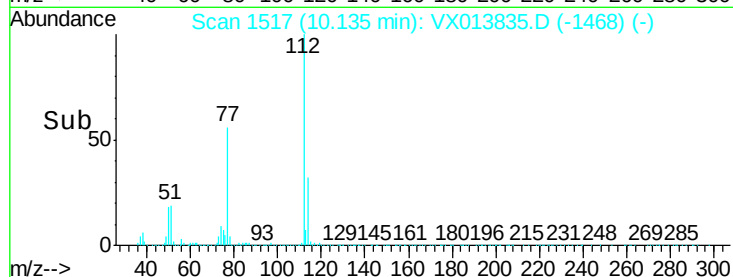
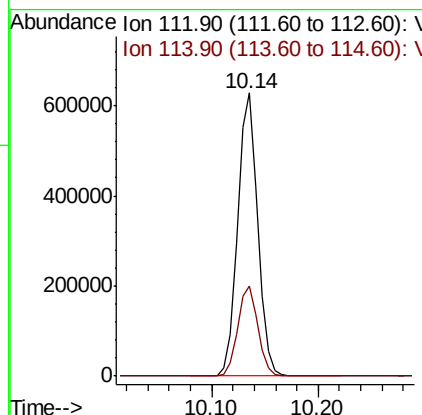
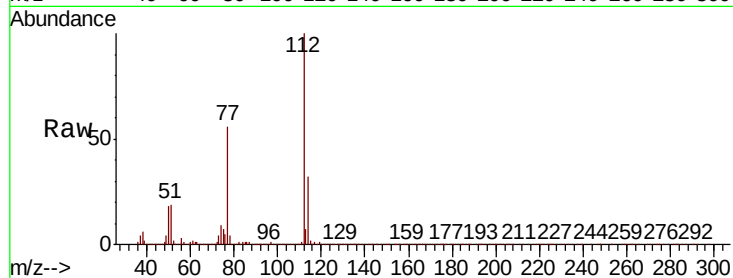
#65
Chlorobenzene
Concen: 48.064 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.1	39.1

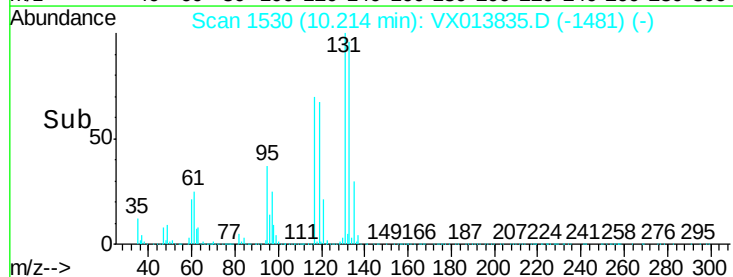
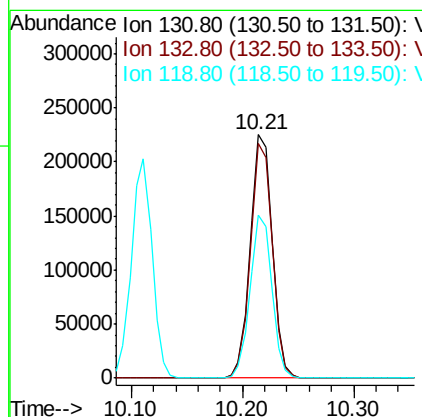
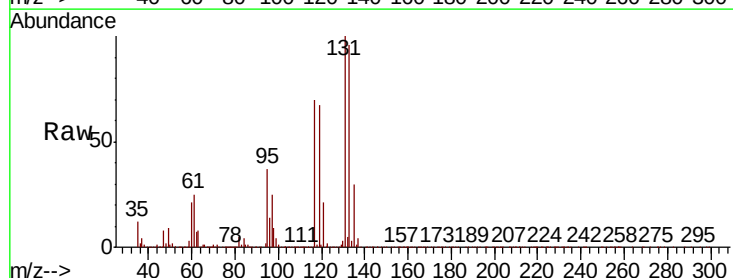
Manual Integrations
APPROVED

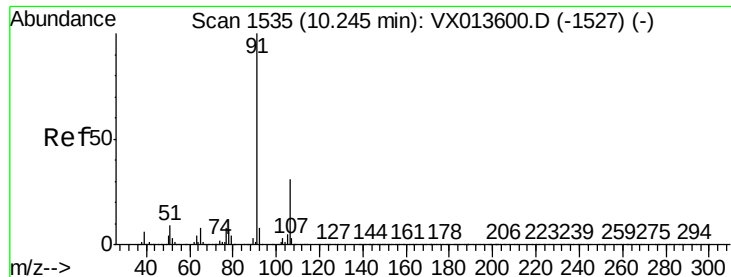
apatel
12/9/2019 9:08:28 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.183 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.7	143.1
119	66.4	32.9	98.6





#67

Ethyl Benzene

Concen: 48.946 ug/l

RT: 10.24 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1447714

Ion Ratio Lower Upper

91 100

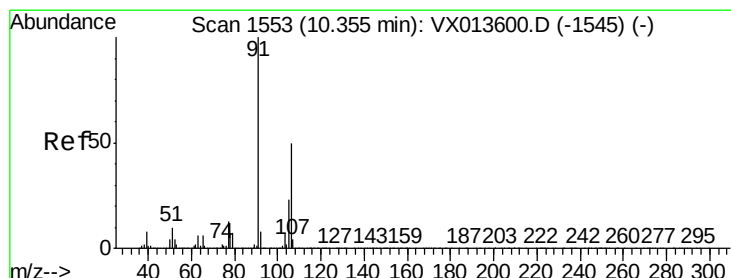
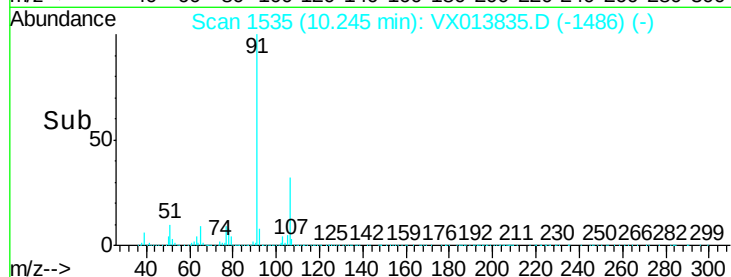
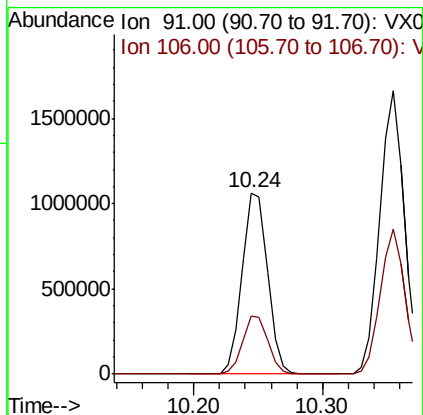
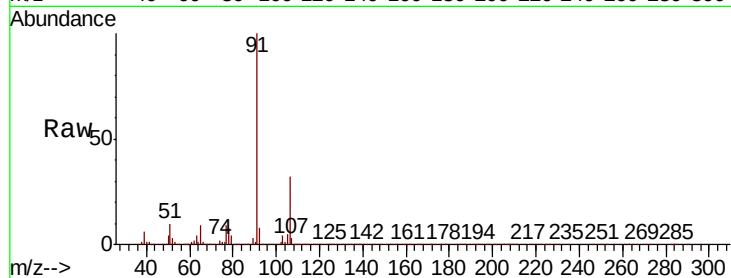
106 32.2 24.5 36.7

Manual Integrations

APPROVED

apatel

12/9/2019 9:08:28 AM



#68

m/p-Xylenes

Concen: 98.950 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013835.D

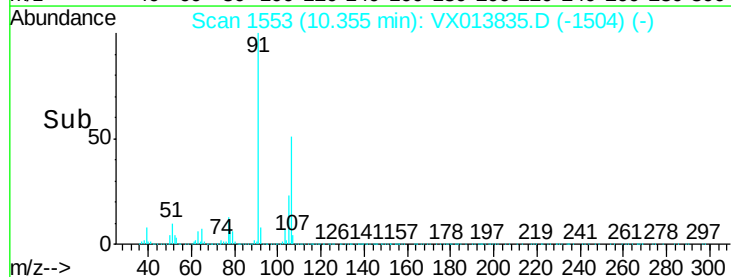
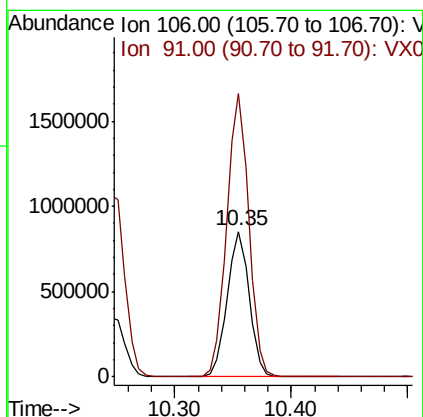
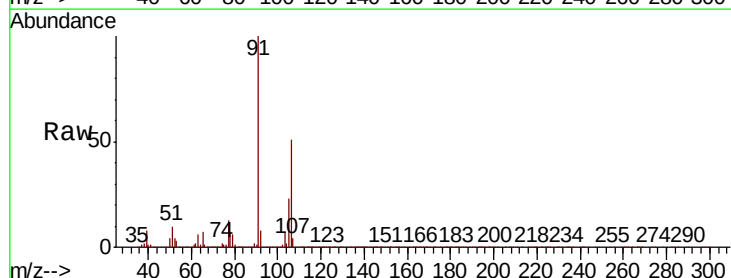
Acq: 07 Dec 2019 05:50

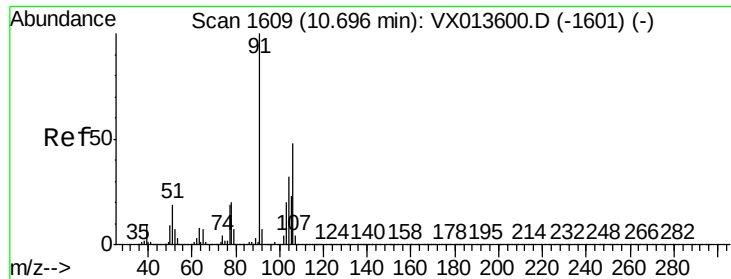
Tgt Ion: 106 Resp: 1120499

Ion Ratio Lower Upper

106 100

91 195.4 159.0 238.4





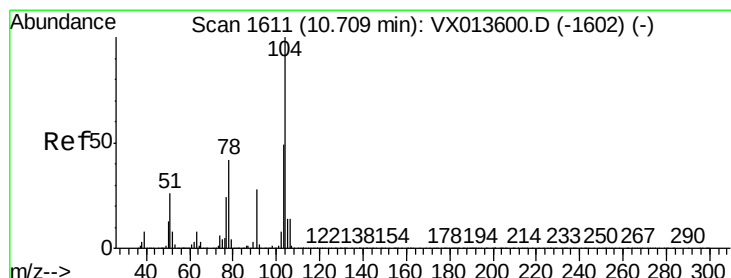
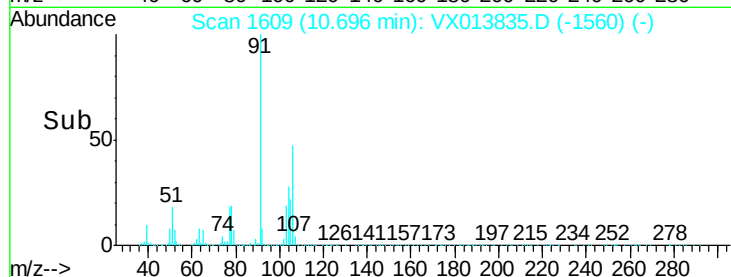
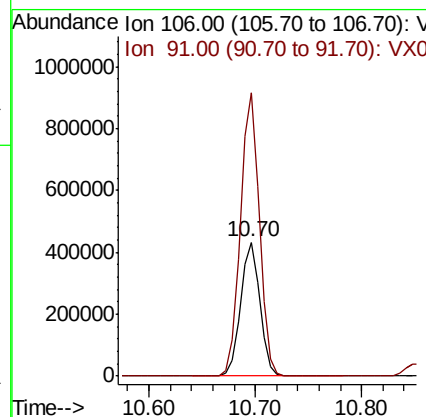
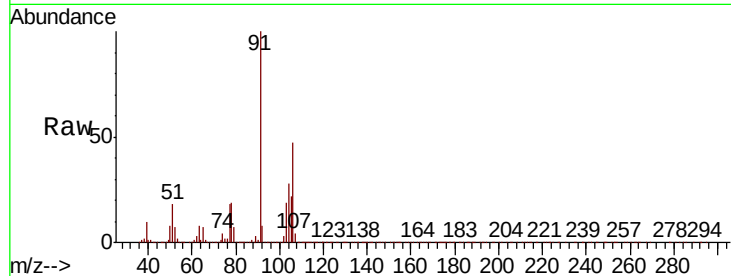
#69
o-Xylene
Concen: 49.551 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.3	104.1	312.2

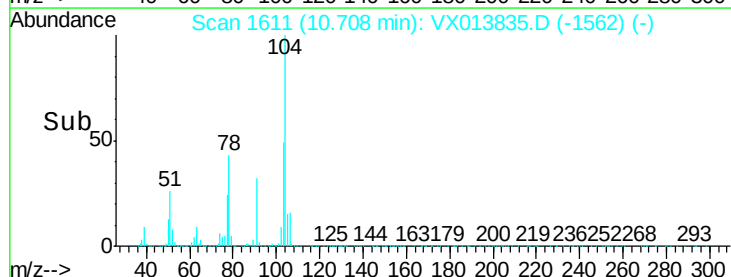
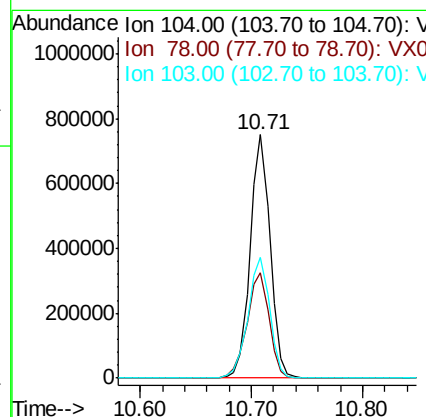
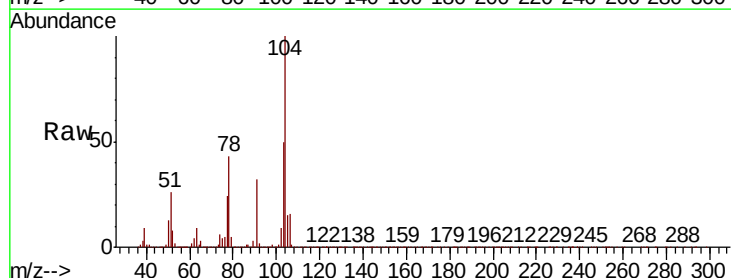
Manual Integrations
APPROVED

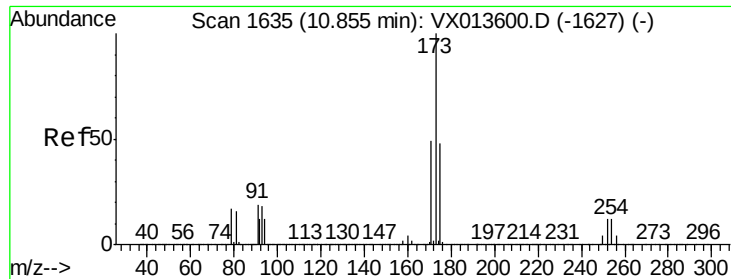
apatel
12/9/2019 9:08:28 AM



#70
Styrene
Concen: 50.041 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.3	38.5	57.7
103	54.2	43.7	65.5





#71

Bromoform

Concen: 49.924 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Instrument :

MSVOA_X

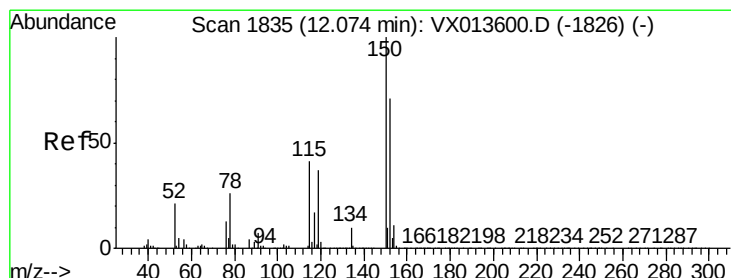
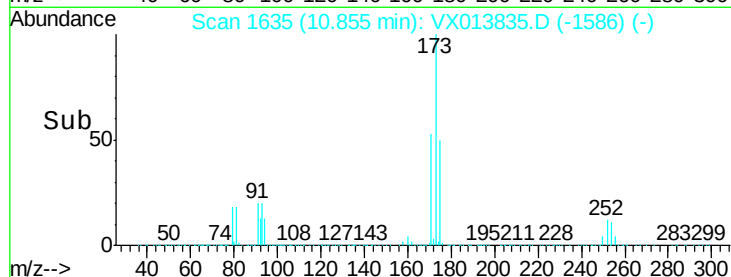
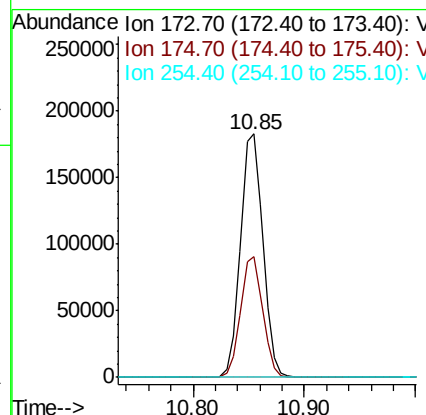
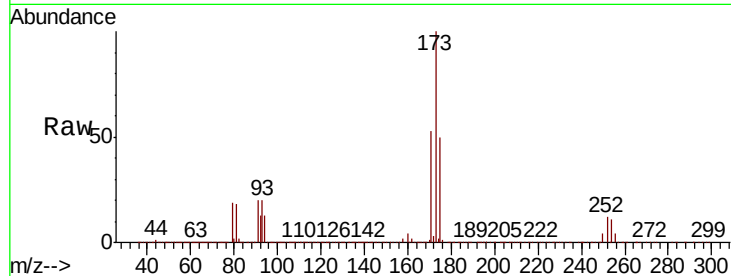
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	255316
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.3	72.8
254	0.1	0.2	0.4

Manual Integrations
APPROVED

apatel
12/9/2019 9:08:28 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

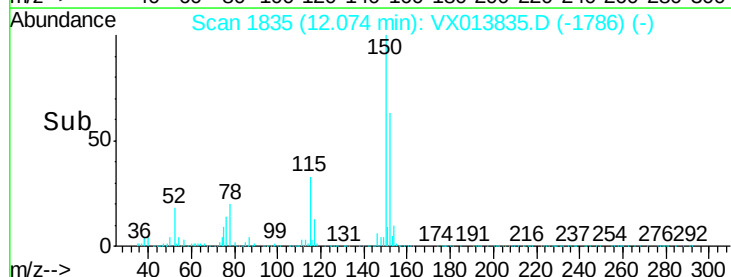
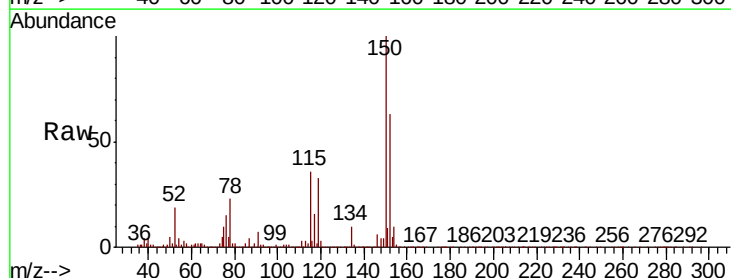
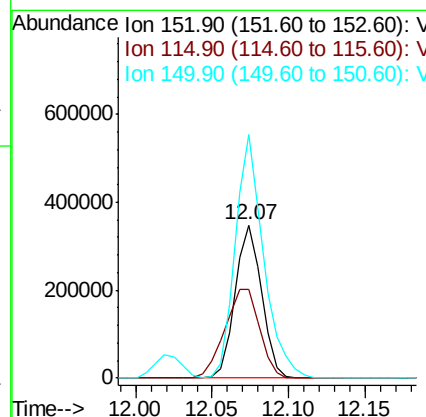
RT: 12.07 min Scan# 1835

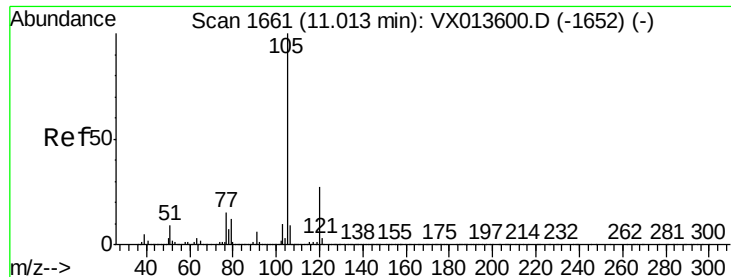
Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Tgt Ion:	152	Resp:	416545
Ion Ratio	Lower	Upper	
152	100		
115	76.7	38.4	115.1
150	169.6	0.0	346.8





#73

Isopropylbenzene

Concen: 49.117 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1435147

Ion Ratio Lower Upper

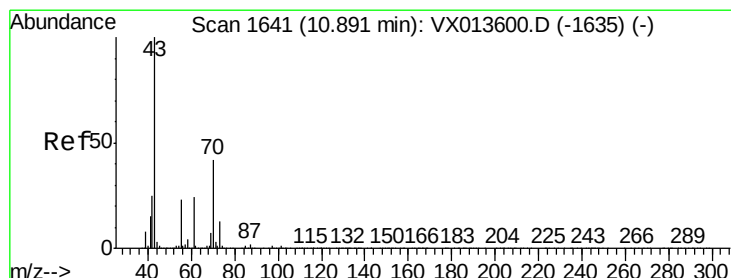
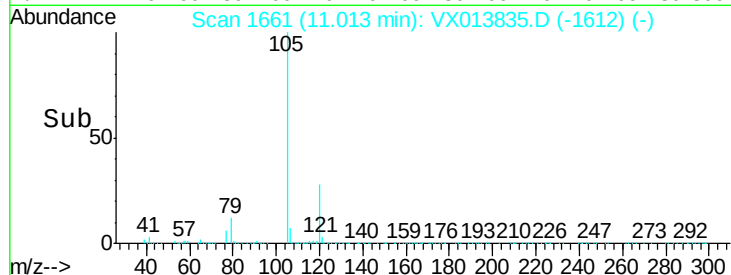
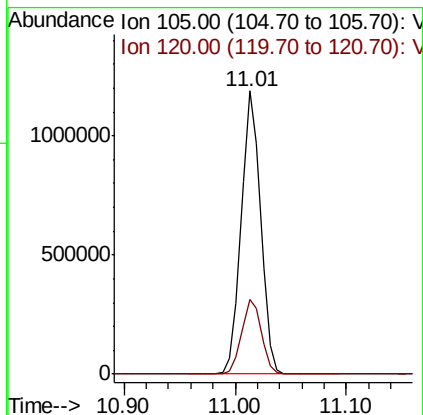
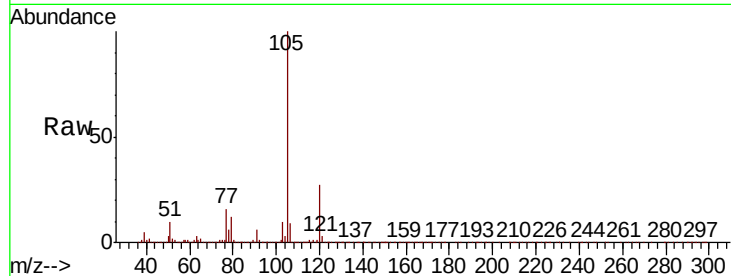
105 100

120 26.9 13.5 40.5

Manual Integrations
APPROVED

apatel

12/9/2019 9:08:28 AM



#74

N-ethyl acetate

Concen: 48.235 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Tgt Ion: 43 Resp: 645622

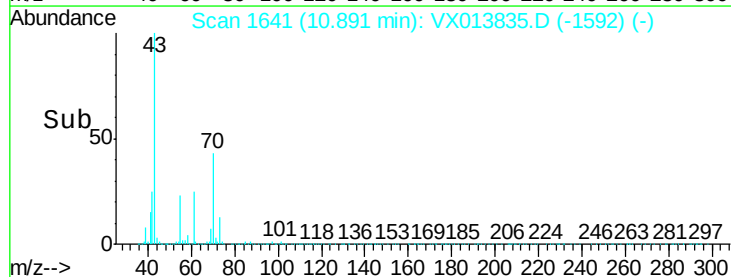
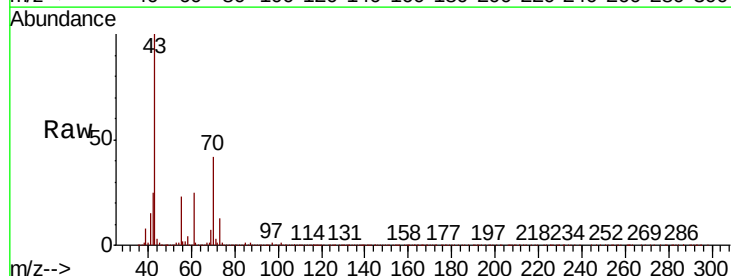
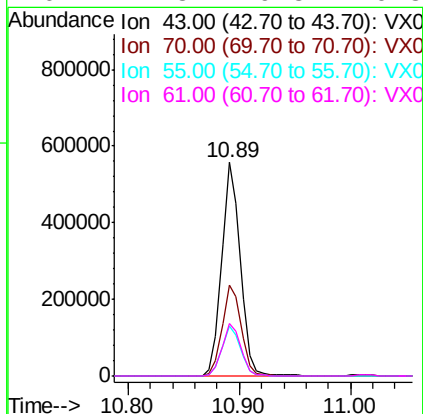
Ion Ratio Lower Upper

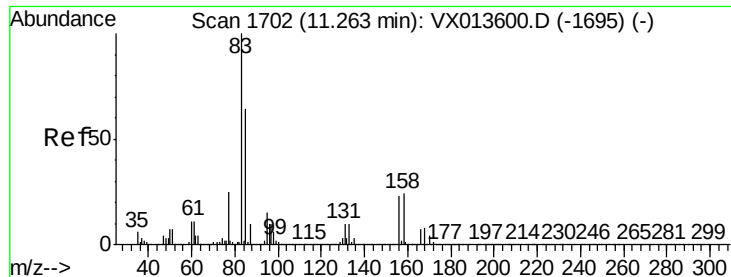
43 100

70 43.5 34.3 51.5

55 23.8 18.5 27.7

61 24.8 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 39.672 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Instrument :

MSVOA_X

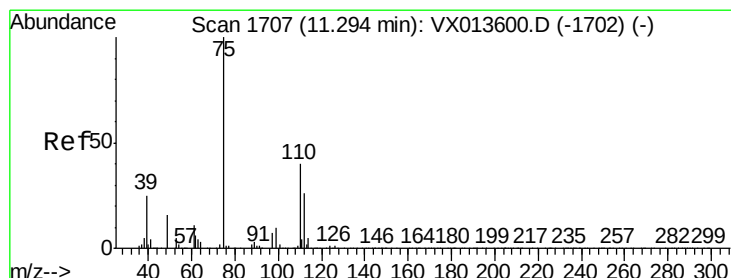
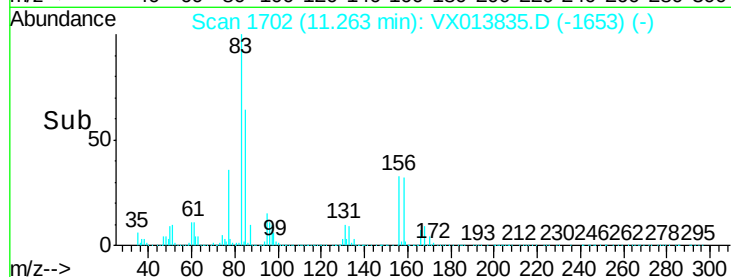
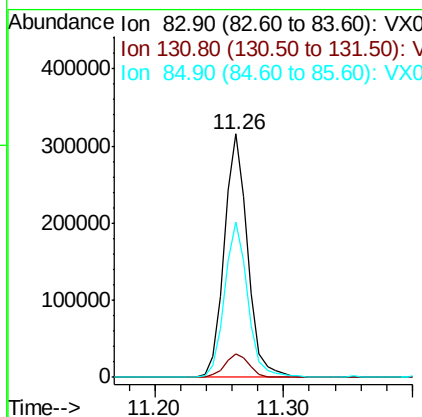
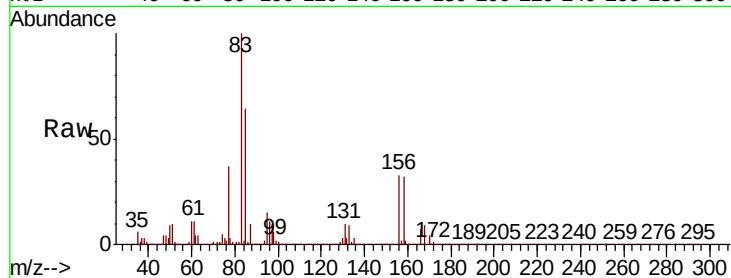
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	401992
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.3
85	63.3	31.8	95.3

Manual Integrations
APPROVED

apatel
12/9/2019 9:08:28 AM



#76

1,2,3-Trichloropropane

Concen: 47.960 ug/l m

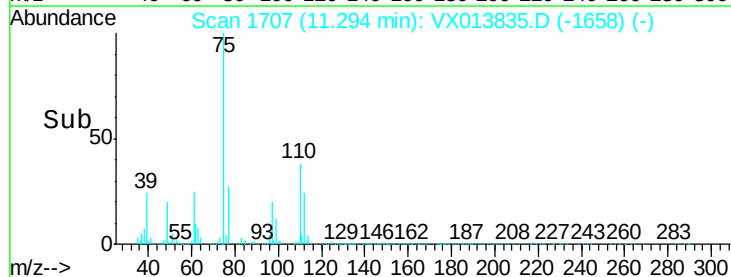
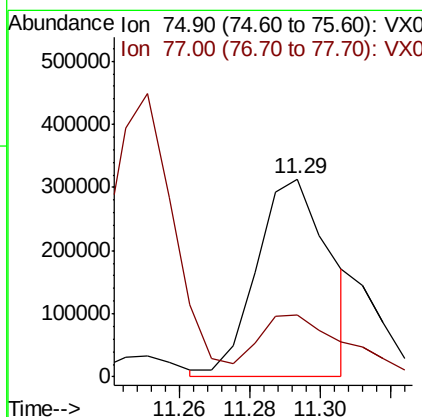
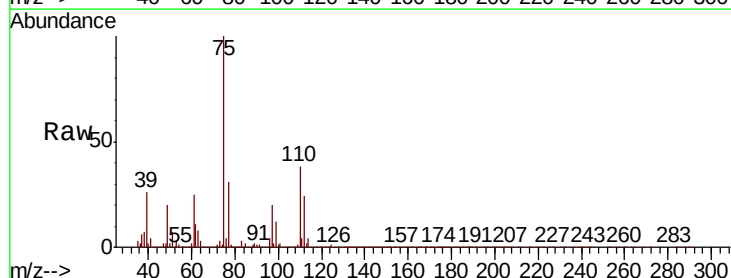
RT: 11.29 min Scan# 1707

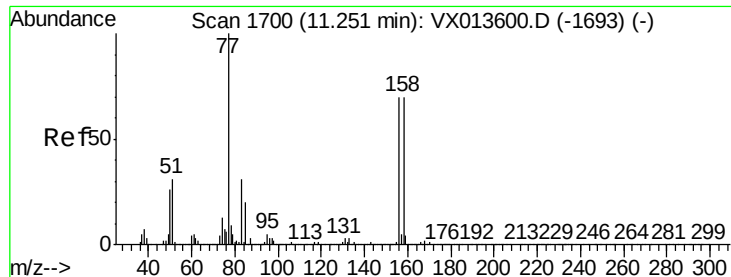
Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Tgt Ion:	75	Resp:	449328
Ion Ratio	Lower	Upper	
75	100		
77	37.6	19.1	57.5





#77

Bromobenzene

Concen: 47.829 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Instrument :

MSVOA_X

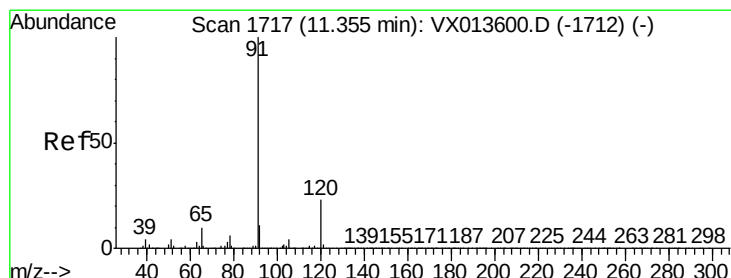
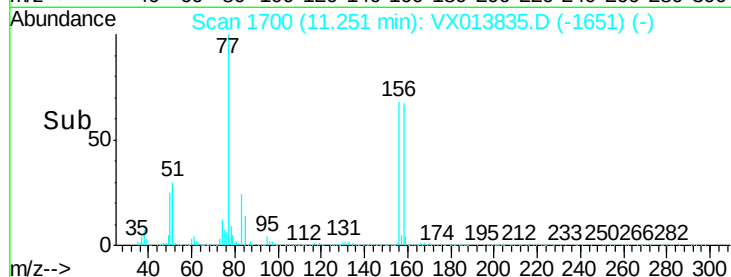
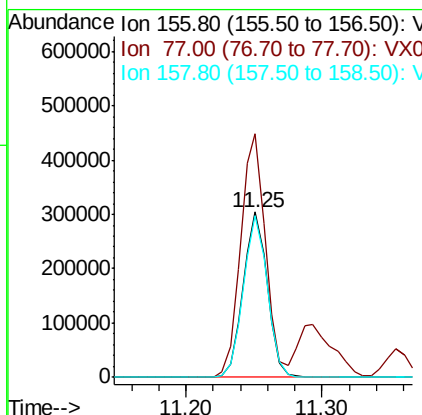
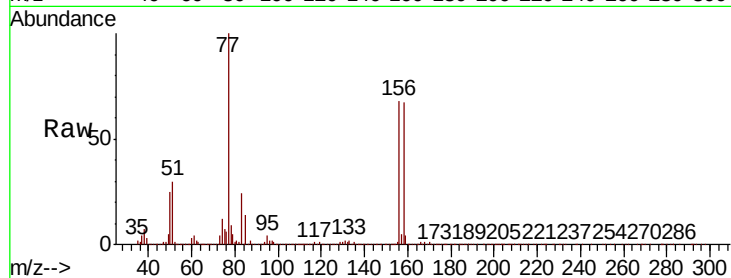
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	377544
Ion Ratio	Lower	Upper	
156	100		
77	150.8	74.4	223.1
158	97.5	48.9	146.6

Manual Integrations
APPROVED

apatel
12/9/2019 9:08:28 AM



#78

n-propylbenzene

Concen: 49.576 ug/l

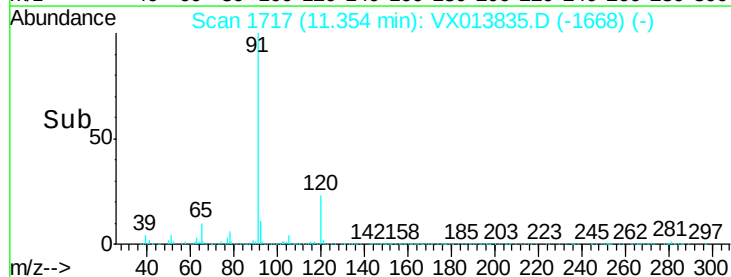
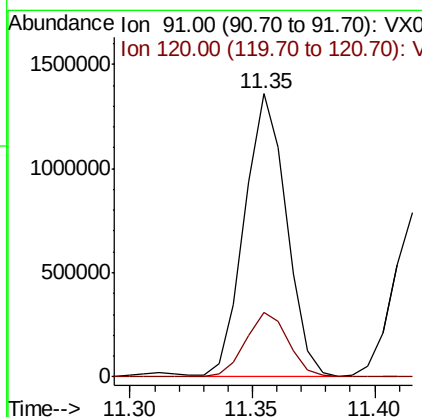
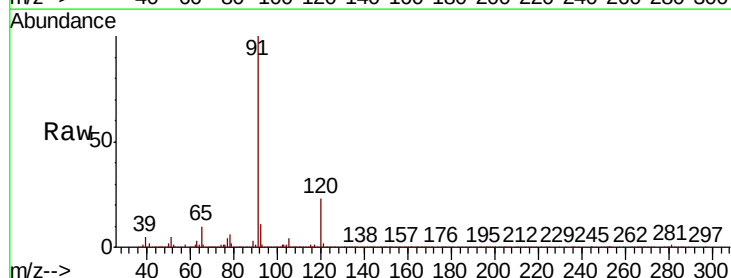
RT: 11.35 min Scan# 1717

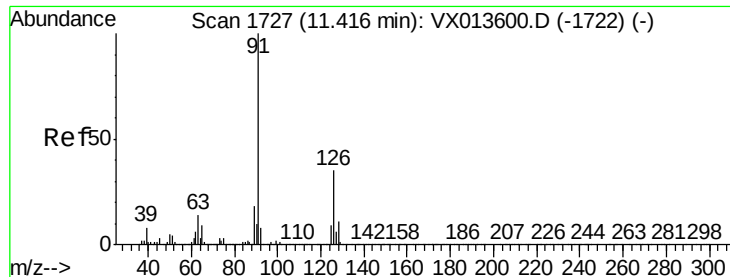
Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Tgt Ion:	91	Resp:	1617058
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.8	35.3





#79

2-Chlorotoluene

Concen: 48.701 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 952888

Ion Ratio Lower Upper

91 100

126 35.1

17.5

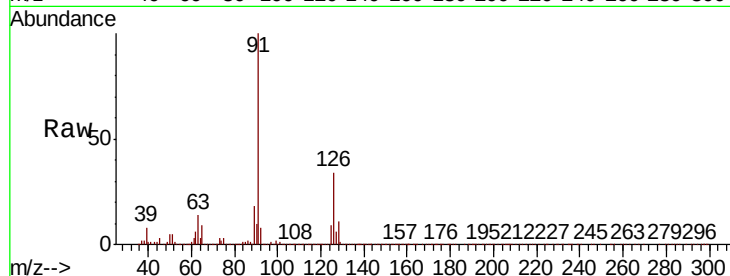
52.5

Manual Integrations

APPROVED

apatel

12/9/2019 9:08:28 AM



Abundance Ion 91.00 (90.70 to 91.70): VX013600.D (-1722) (-)

Ion 125.90 (125.60 to 126.60): VX013600.D (-1722) (-)

1500000

1000000

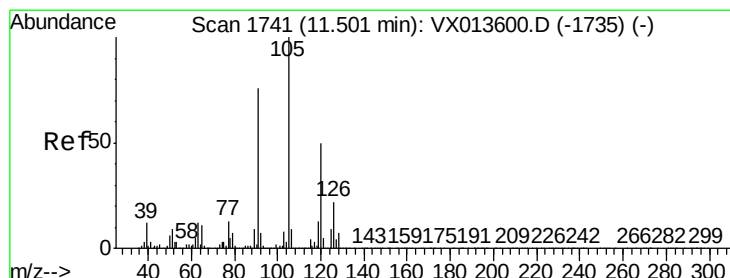
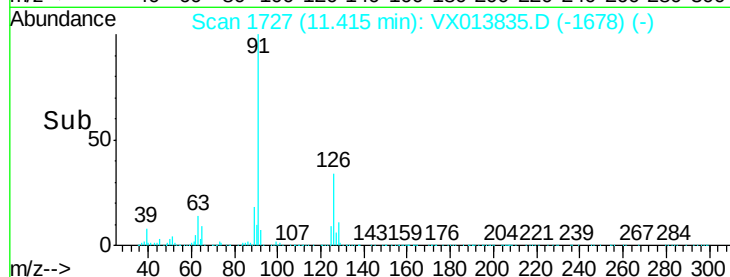
500000

0

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.692 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Tgt Ion: 105 Resp: 1190003

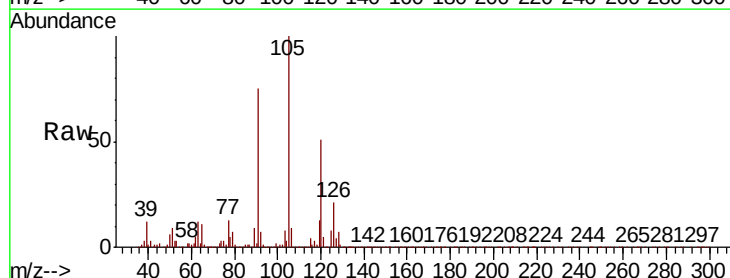
Ion Ratio Lower Upper

105 100

120 50.5

25.3

75.9



Abundance Ion 105.00 (104.70 to 105.70): VX013600.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX013600.D (-1735) (-)

1000000

800000

600000

400000

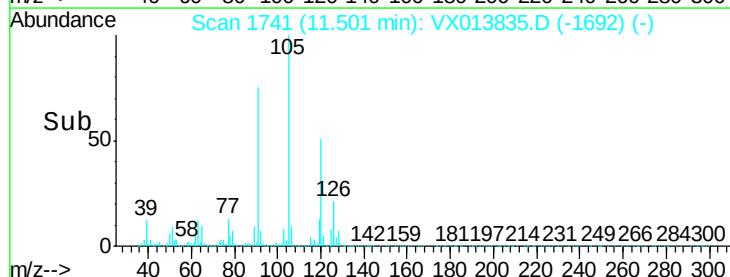
200000

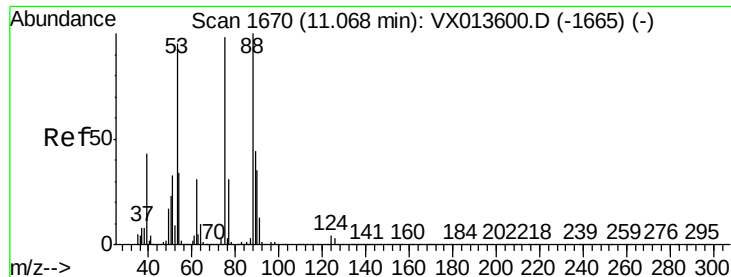
0

11.50

11.60

Time-->





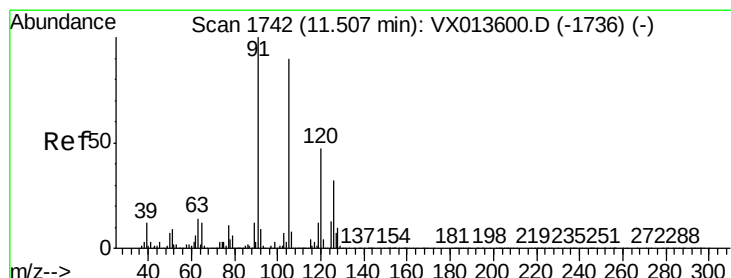
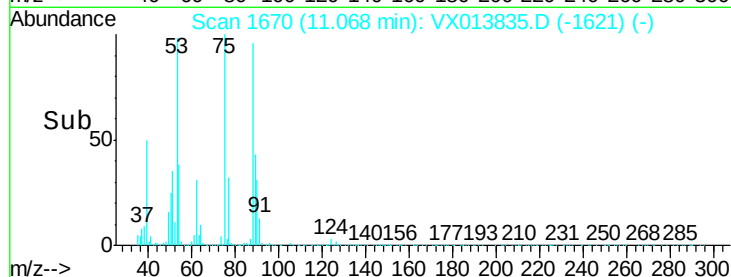
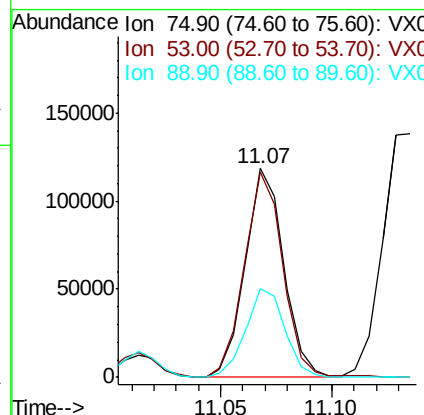
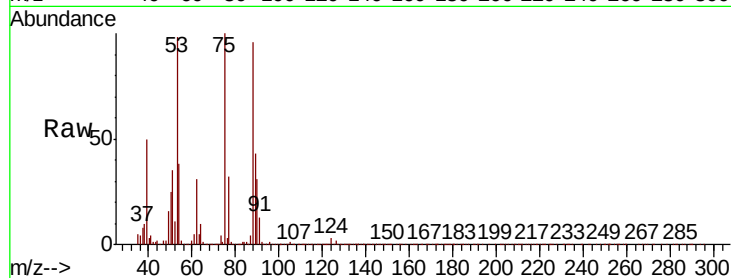
#81
trans-1,4-Dichloro-2-butene
Concen: 41.659 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.0	78.2	117.2
89	43.4	35.4	53.2

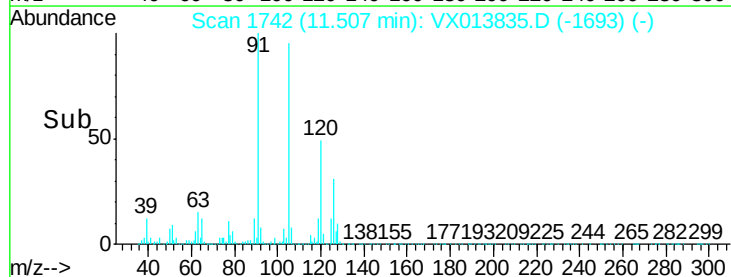
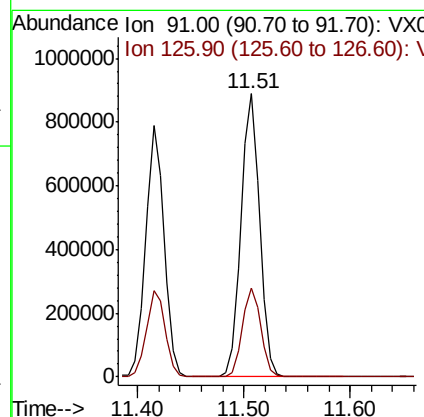
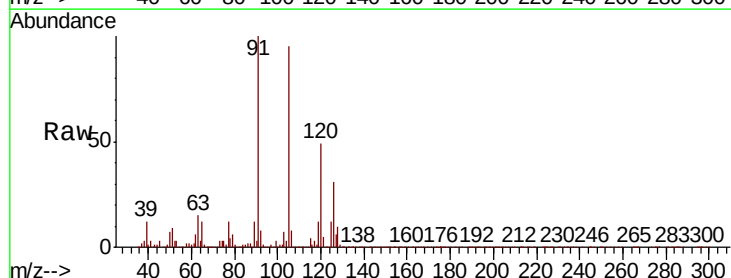
Manual Integrations
APPROVED

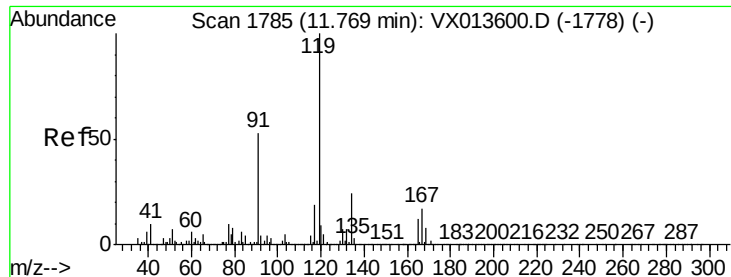
apatel
12/9/2019 9:08:28 AM



#82
4-Chlorotoluene
Concen: 48.471 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.7	47.0





#83

tert-Butylbenzene

Concen: 41.967 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Instrument :

MSVOA_X

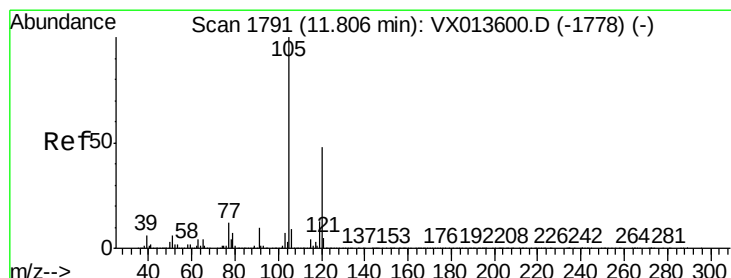
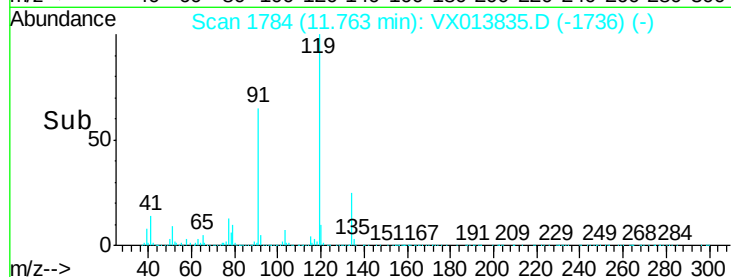
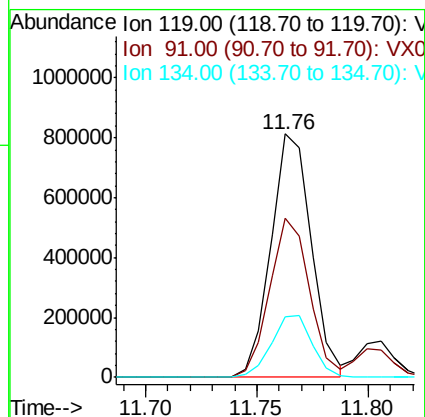
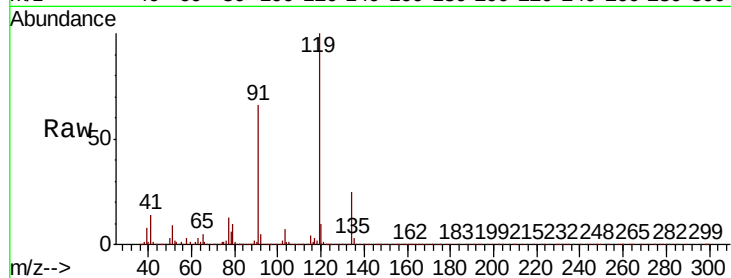
ClientSampleId :

VSTDCCC050EC

Tot Ion:119	Resp: 1021387
Ion Ratio	Lower Upper
119 100	
91 64.8	27.2 81.6
134 25.6	11.7 35.1

Manual Integrations
APPROVED

apatel
12/9/2019 9:08:28 AM



#84

1,2,4-Trimethylbenzene

Concen: 49.147 ug/l

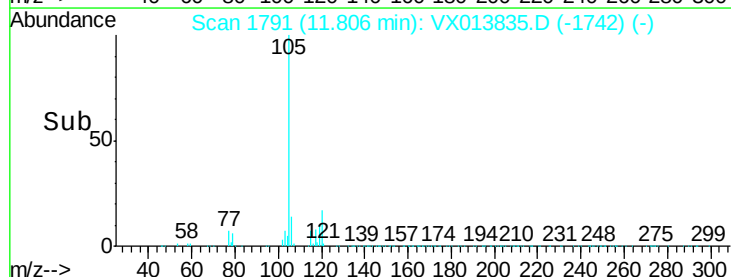
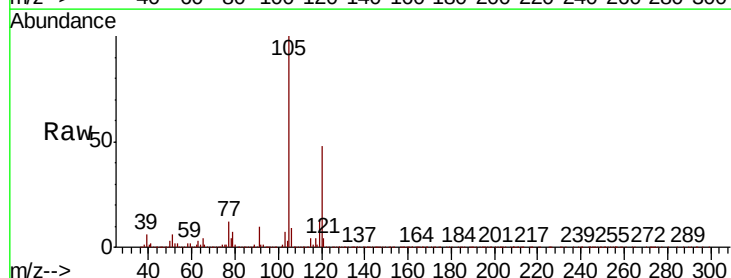
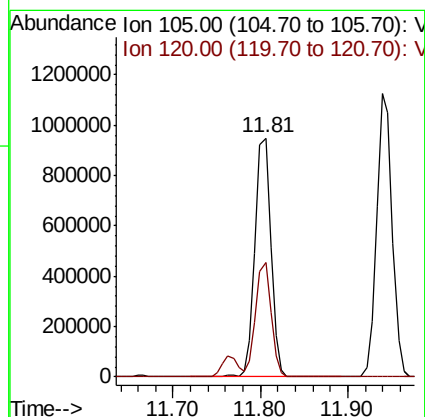
RT: 11.81 min Scan# 1791

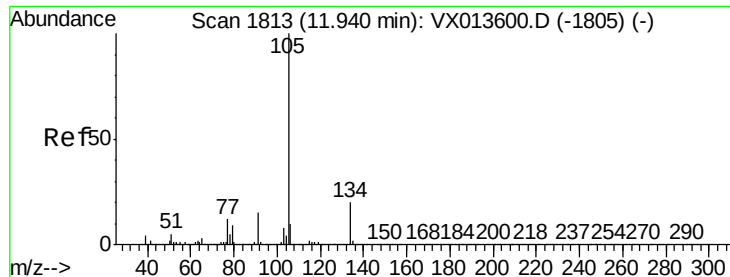
Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Tgt Ion:105	Resp: 1194492
Ion Ratio	Lower Upper
105 100	
120 46.2	23.1 69.3





#85

sec-Butylbenzene

Concen: 50.154 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1394237

Ion Ratio Lower Upper

105 100

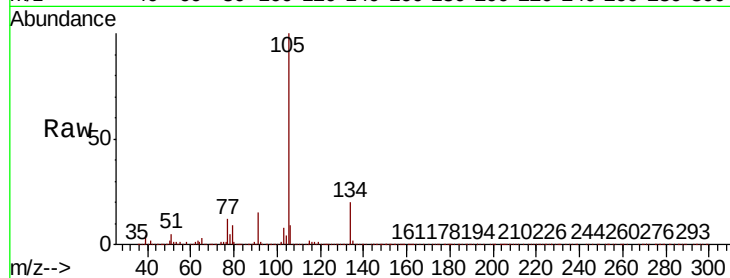
134 20.9 10.4 31.2

Manual Integrations

APPROVED

apatel

12/9/2019 9:08:28 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1200000

1000000

800000

600000

400000

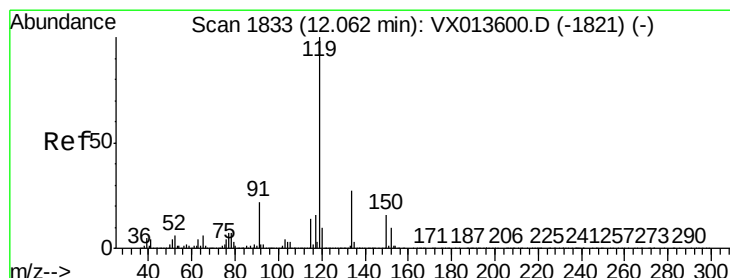
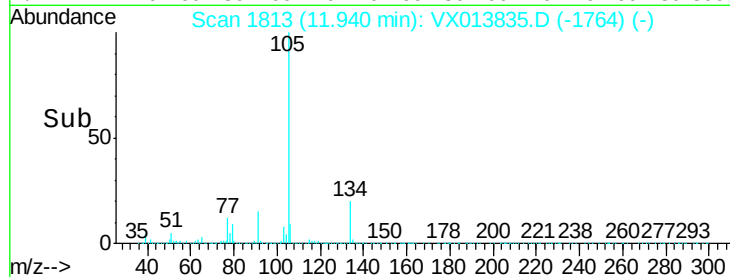
200000

0

11.90

12.00

Time-->



#86

p-Isopropyltoluene

Concen: 49.159 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

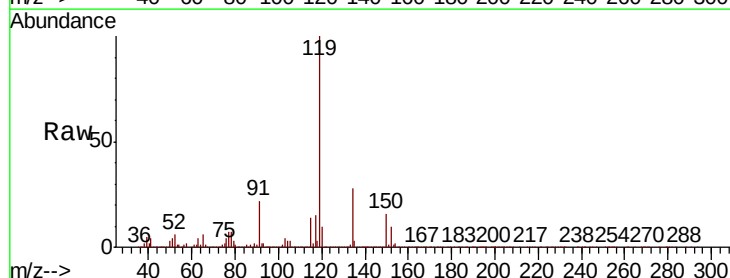
Tgt Ion:119 Resp: 1271326

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.9

91 22.2 11.3 33.8



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

1000000

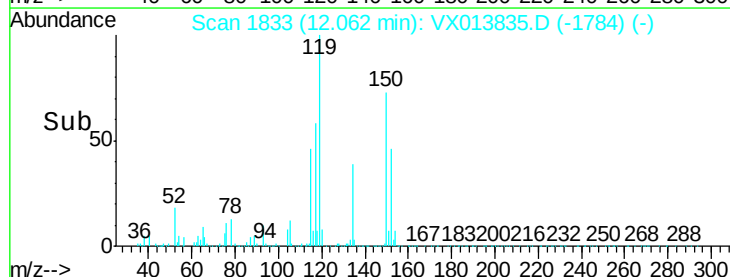
500000

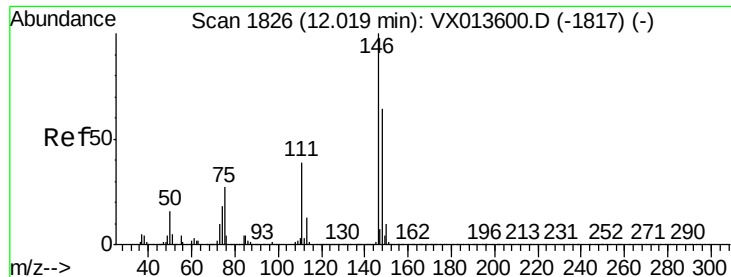
0

12.00

12.10

Time-->





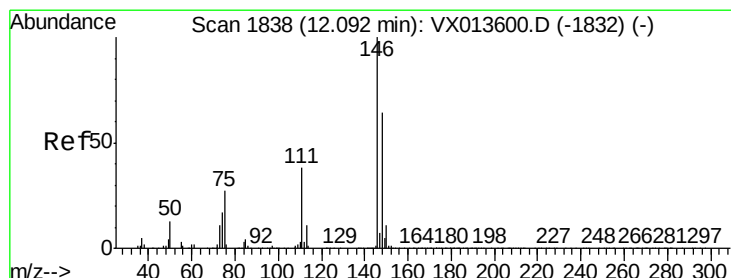
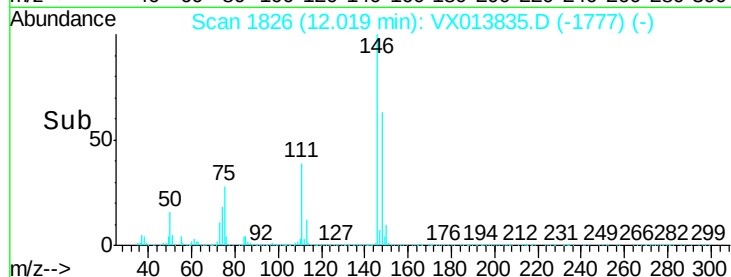
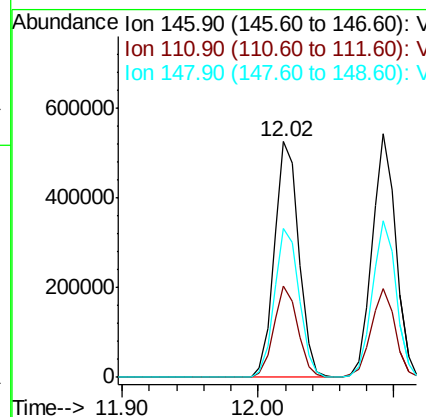
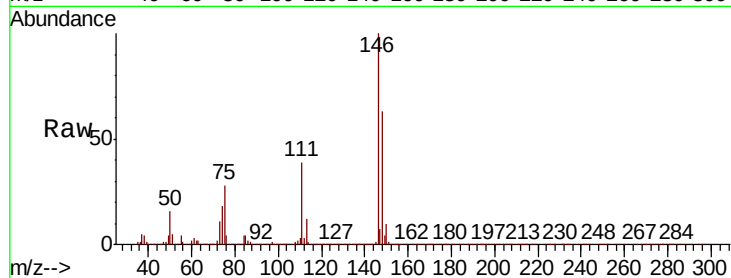
#87
 1,3-Dichlorobenzene
 Concen: 47.908 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013835.D
 Acq: 07 Dec 2019 05:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.0	57.0
148	63.9	31.8	95.4

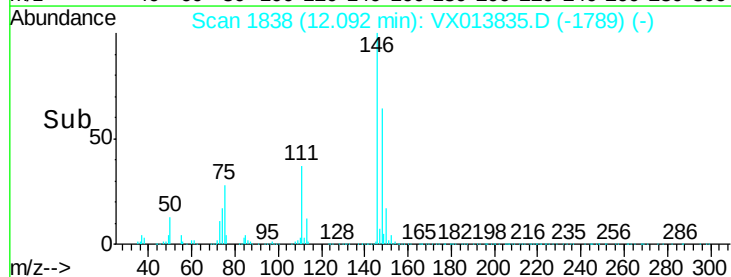
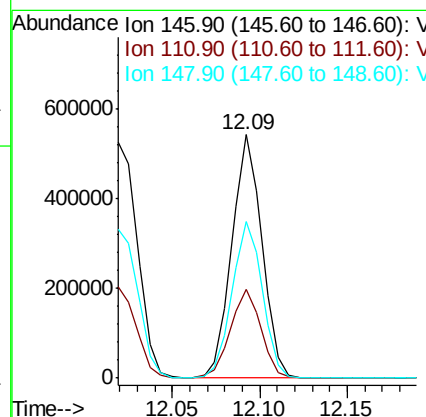
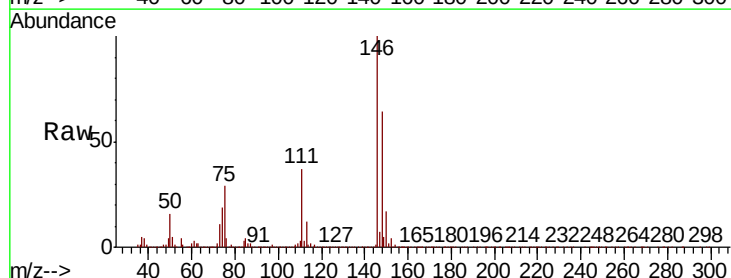
Manual Integrations
 APPROVED

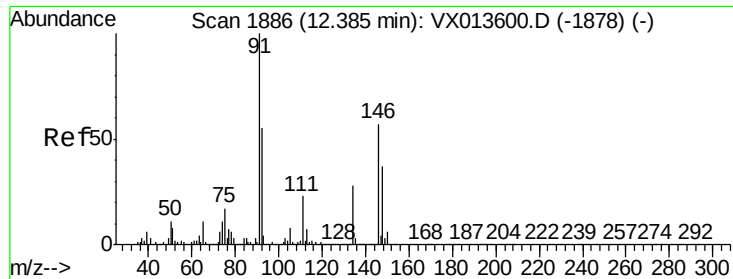
apatel
 12/9/2019 9:08:28 AM



#88
 1,4-Dichlorobenzene
 Concen: 46.388 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013835.D
 Acq: 07 Dec 2019 05:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.9	56.9
148	64.7	31.9	95.5





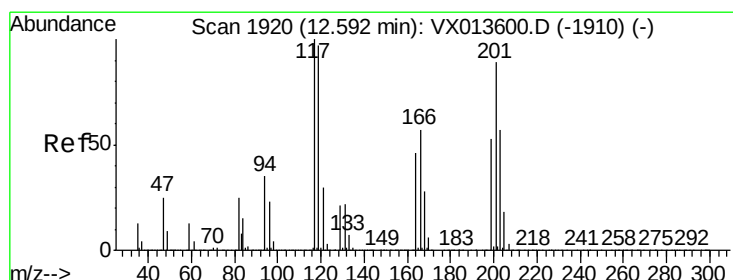
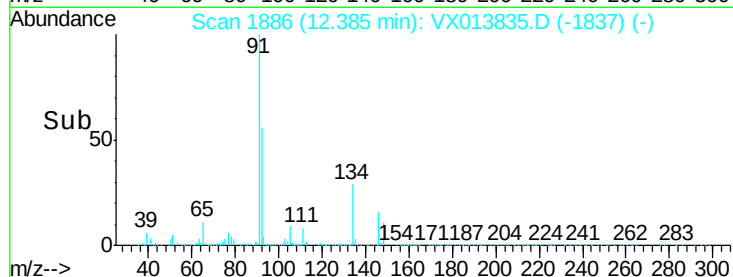
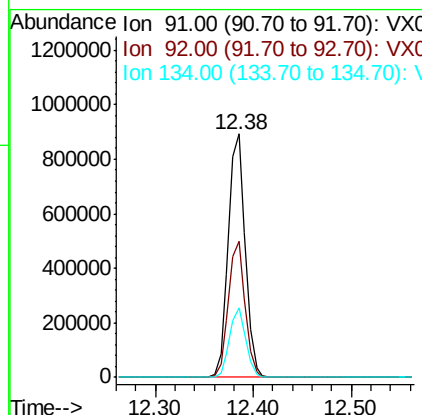
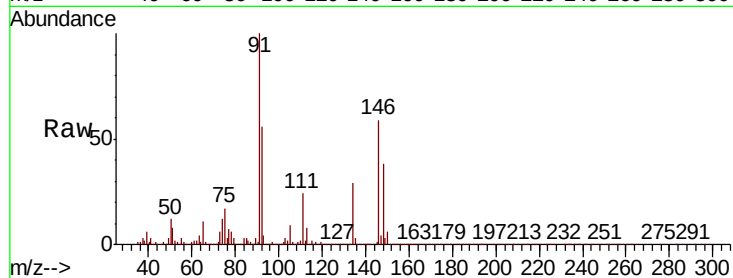
#89
n-Butylbenzene
Concen: 48.513 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1070056
Ion Ratio Lower Upper
91 100
92 55.0 27.4 82.2
134 27.6 13.5 40.4

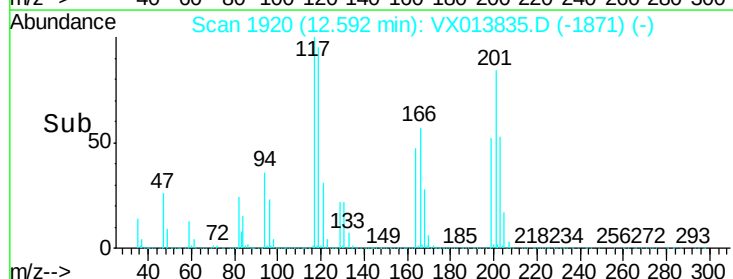
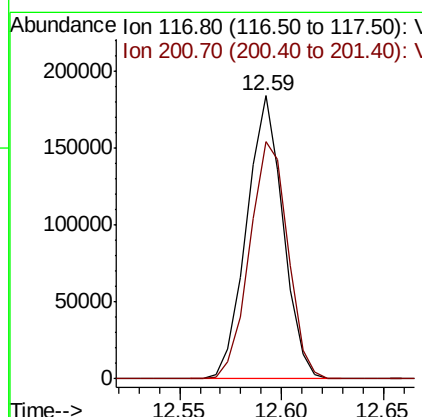
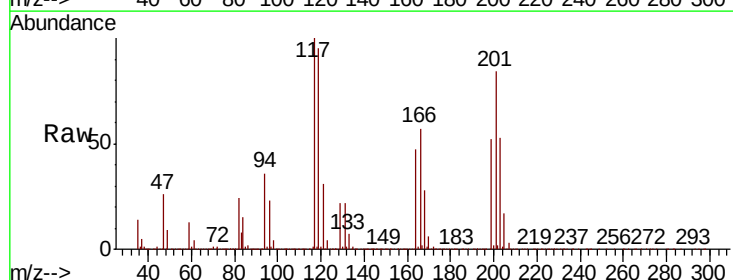
Manual Integrations
APPROVED

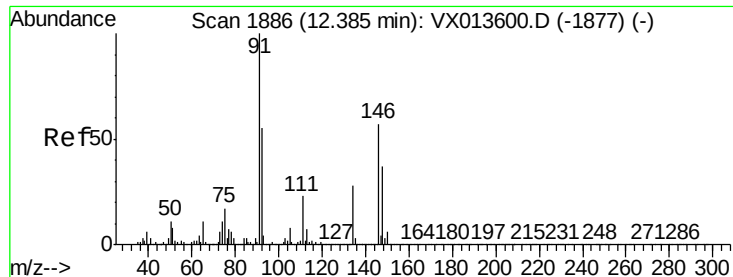
apatel
12/9/2019 9:08:28 AM



#90
Hexachloroethane
Concen: 48.735 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013835.D
Acq: 07 Dec 2019 05:50

Tgt Ion: 117 Resp: 227811
Ion Ratio Lower Upper
117 100
201 88.5 44.1 132.4





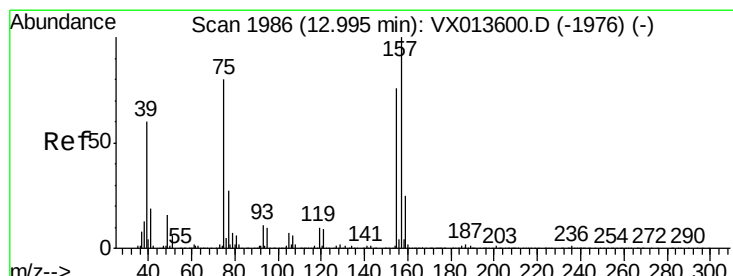
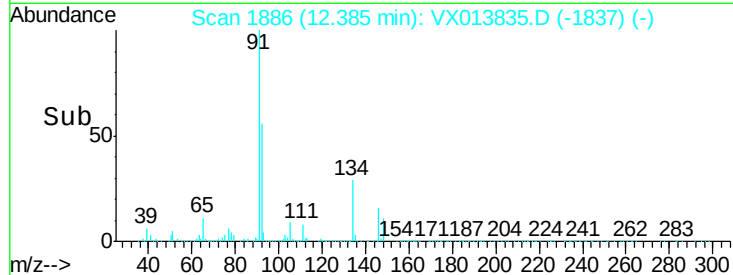
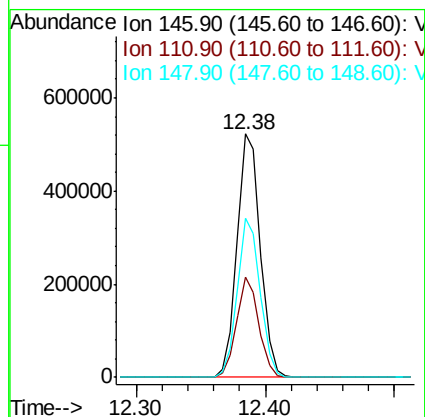
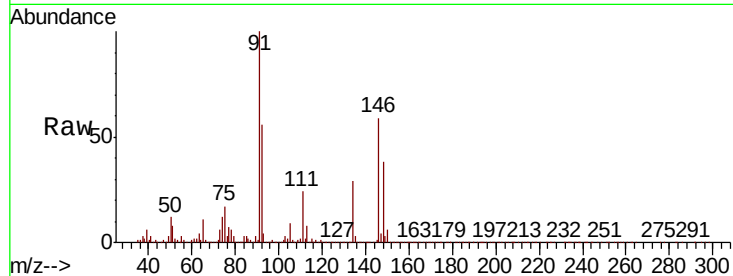
#91
 1,2-Dichlorobenzene
 Concen: 48.405 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013835.D
 Acq: 07 Dec 2019 05:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	146	Resp:	658079
Ion Ratio	Lower	Upper	
146	100		
111	39.4	19.6	58.7
148	64.2	31.9	95.7

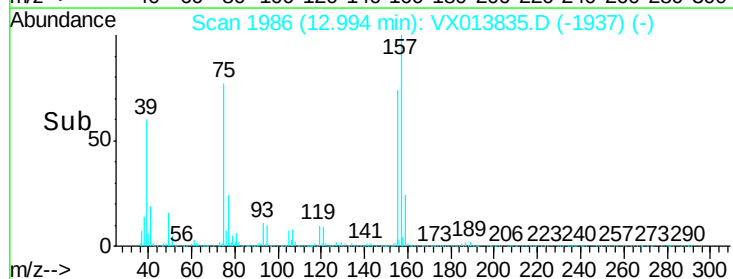
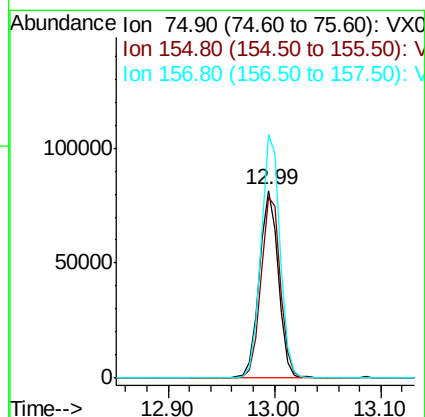
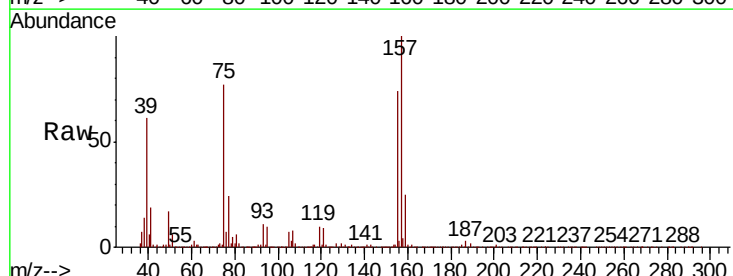
Manual Integrations
 APPROVED

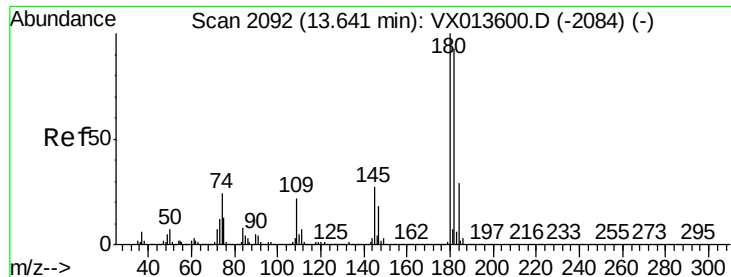
apatel
 12/9/2019 9:08:28 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.941 ug/l
 RT: 12.99 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013835.D
 Acq: 07 Dec 2019 05:50

Tgt Ion:	75	Resp:	103580
Ion Ratio	Lower	Upper	
75	100		
155	97.5	47.6	142.8
157	128.0	62.1	186.2





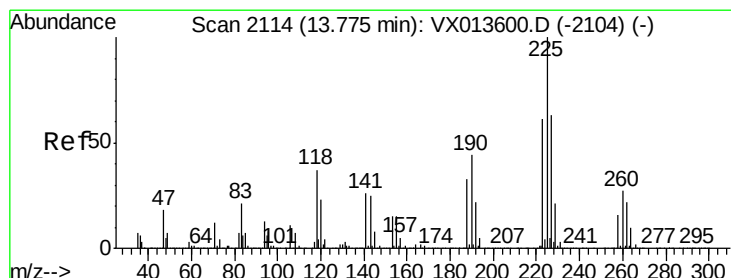
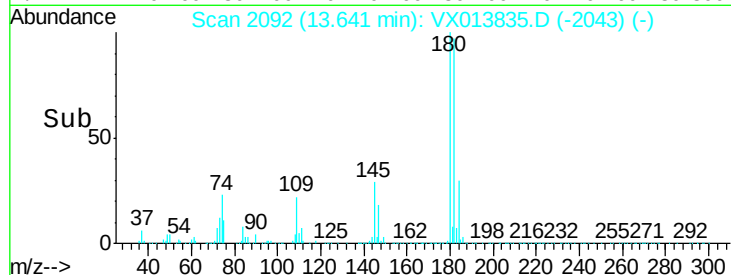
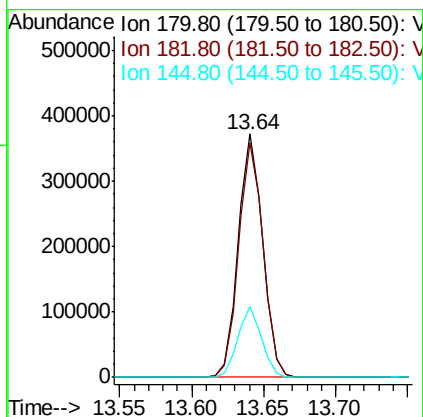
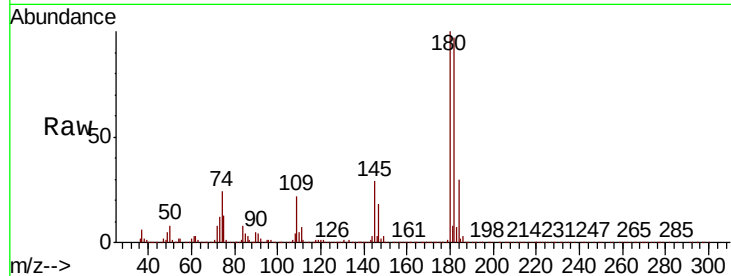
#93
 1,2,4-Trichlorobenzene
 Concen: 46.381 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013835.D
 Acq: 07 Dec 2019 05:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.2	141.6
145	28.4	13.8	41.4

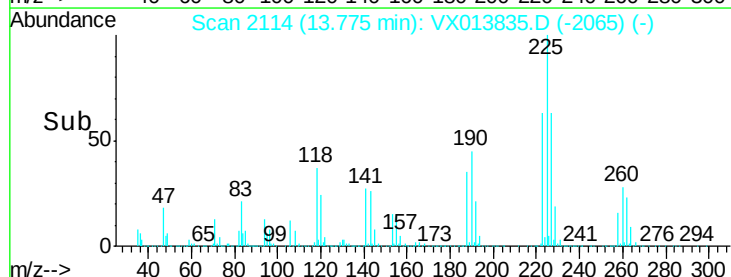
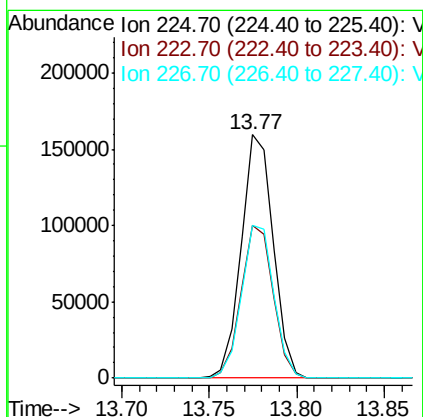
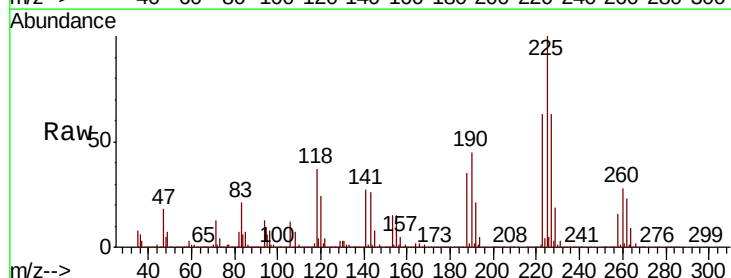
Manual Integrations
 APPROVED

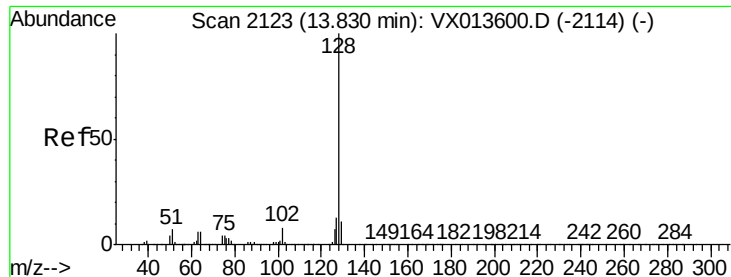
apatel
 12/9/2019 9:08:28 AM



#94
 Hexachlorobutadiene
 Concen: 44.588 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX013835.D
 Acq: 07 Dec 2019 05:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.9	95.5
227	63.7	32.1	96.3





#95

Naphthalene

Concen: 48.864 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1378778

Ion Ratio Lower Upper

128 100

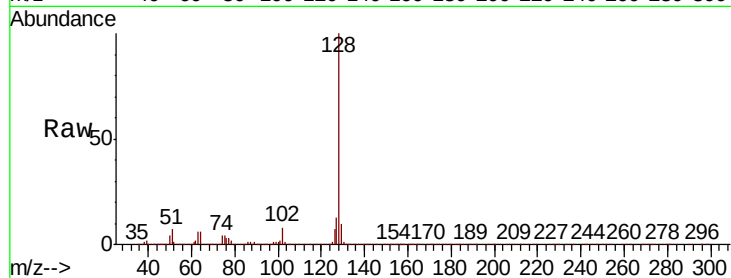
127 12.9 10.3 15.5

129 10.7 8.7 13.1

Manual Integrations
APPROVED

apatel

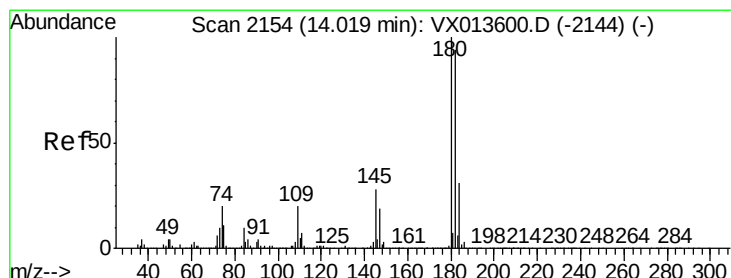
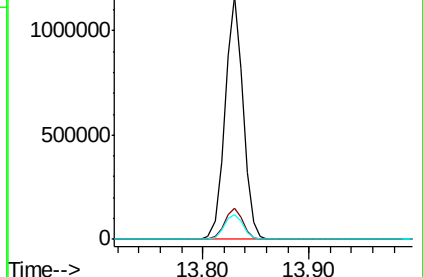
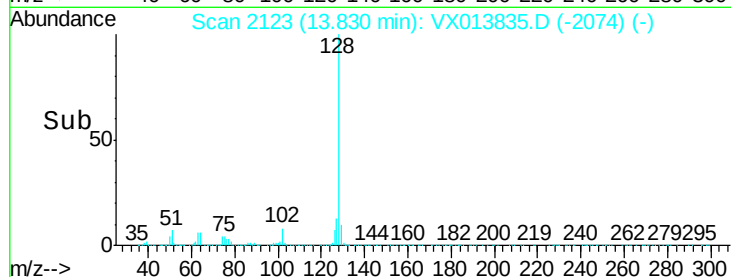
12/9/2019 9:08:28 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.787 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.01 min

Lab File: VX013835.D

Acq: 07 Dec 2019 05:50

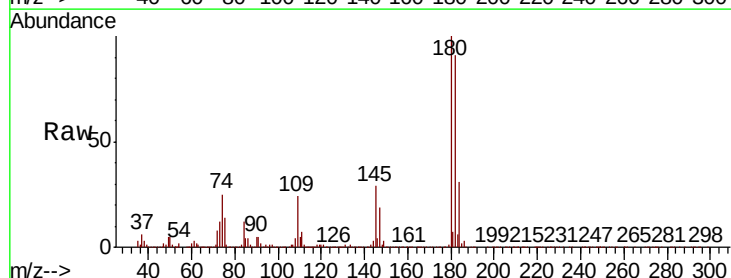
Tgt Ion:180 Resp: 448310

Ion Ratio Lower Upper

180 100

182 94.7 47.6 142.8

145 29.5 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

