

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032520\
 Data File : VX015350.D
 Acq On : 25 Mar 2020 19:39
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

apatel
 3/26/2020 11:01:22 AM

Quant Time: Mar 26 02:30:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 26 02:14:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.99	128	184315	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	1068380	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	1003203	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	431285	33.87	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	112.90%
60) 4-Bromofluorobenzene	11.12	95	513693	31.60	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	105.33%
63) Toluene-d8	8.70	98	1232685	28.40	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	94.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	1302129	143.452	ug/l 99
3) Chloromethane	1.31	50	1680704	133.359	ug/l 98
4) Vinyl Chloride	1.39	62	1604416	125.470	ug/l 99
5) Bromomethane	1.62	94	627270	74.713	ug/l 97
6) Chloroethane	1.70	64	971571	120.664	ug/l 98
7) Trichlorofluoromethane	1.91	101	2247490	135.068	ug/l 96
8) Diethyl Ether	2.17	74	891578	123.809	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	1489111	143.157	ug/l 98
10) 1,1-Dichloroethene	2.35	96	1500966	143.060	ug/l 98
11) Methyl Iodide	2.49	142	2407906	207.985	ug/l 99
12) Methyl Acetate	2.75	43	2191991	162.363	ug/l 98
13) Acrolein	2.27	56	1556991	756.365	ug/l 95
14) Acrylonitrile	3.12	53	4721315	760.804	ug/l 99
15) Acetone	2.42	58	1201066	701.558	ug/l 97
16) Carbon Disulfide	2.55	76	4452501	147.819	ug/l 100
17) Allyl chloride	2.70	41	3358727	164.011	ug/l 98
18) Methylene Chloride	2.83	84	1700905	142.026	ug/l 99
19) trans-1,2-Dichloroethene	3.14	96	1644015	142.748	ug/l 98
20) Diisopropyl ether	3.83	45	6020680	150.916	ug/l # 87
21) 1,1-Dichloroethane	3.67	63	3167829	151.028	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	1923165	148.834	ug/l 98
23) tert-Butyl Alcohol	3.03	59	2284425m	889.552	ug/l
24) Methyl tert-Butyl Ether	3.17	73	5560948	157.459	ug/l 99
25) Chloroform	5.19	83	3104342	156.342	ug/l 99
26) Cyclohexane	5.55	56	2964821	152.358	ug/l # 99
29) 1,1-Dichloropropene	5.77	75	2406466	147.696	ug/l 100
30) 2-Butanone	4.64	43	7037096	787.709	ug/l 100
31) 2,2-Dichloropropane	4.55	77	2818226	161.213	ug/l 99
32) 1,1,1-Trichloroethane	5.47	97	2913928	160.599	ug/l 99
33) Carbon Tetrachloride	5.76	117	2657816	168.658	ug/l 98
34) Benzene	6.12	78	6874517	140.796	ug/l 99
35) Methacrylonitrile	5.01	41	1664118	169.066	ug/l 96
36) 1,2-Dichloroethane	6.17	62	2692374	160.358	ug/l 99
37) Trichloroethene	7.19	130	1985688	145.426	ug/l 99
38) Methylcyclohexane	7.44	83	2978319	148.205	ug/l 99
39) 1,2-Dichloropropane	7.50	63	1866507	145.642	ug/l 96
40) Dibromomethane	7.64	93	1233678	150.563	ug/l 96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032520\
 Data File : VX015350.D
 Acq On : 25 Mar 2020 19:39
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 3/26/2020 11:01:22 AM

Quant Time: Mar 26 02:30:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 26 02:14:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	2677802	161.049	ug/l	100
42) Vinyl Acetate	3.78	43	24494865	688.423	ug/l	97
43) Ethyl Acetate	4.80	43	2824612	163.344	ug/l	99
44) Isopropyl Acetate	6.42	43	5007111	171.418	ug/l	99
45) 1,4-Dioxane	7.72	88	934797	3248.514	ug/l	98
46) Methyl methacrylate	7.75	41	2511559	172.605	ug/l	98
47) n-amyl Acetate	10.89	43	4522219	173.913	ug/l	99
48) t-1,3-Dichloropropene	9.03	75	3172608	173.168	ug/l	98
49) cis-1,3-Dichloropropene	8.42	75	3214940	158.474	ug/l	99
50) 1,1,2-Trichloroethane	9.20	97	1782479	147.822	ug/l	99
51) Ethyl methacrylate	9.16	69	3125242	162.863	ug/l	97
52) 1,3-Dichloropropane	9.36	76	3070020	149.607	ug/l	99
53) Dibromochloromethane	9.57	129	2249320	169.425	ug/l	100
54) 1,2-Dibromoethane	9.66	107	1941682	154.962	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	6961039	727.312	ug/l	99
56) Bromoform	10.84	173	1939730	186.099	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	12934578	727.736	ug/l	95
59) 2-Hexanone	9.48	43	10157998	756.983	ug/l	95
61) Tetrachloroethene	9.32	164	1905365	138.096	ug/l	97
62) Toluene	8.77	91	7295593	137.275	ug/l	98
64) Chlorobenzene	10.12	112	4857693	144.799	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	2039184	161.943	ug/l	98
66) Ethyl Benzene	10.24	91	8345270	141.236	ug/l	94
67) m/p-Xylenes	10.34	106	6421288	284.437	ug/l	88
68) o-Xylene	10.68	106	3162155	145.324	ug/l	93
69) Styrene	10.70	104	5496066	145.259	ug/l	100
70) Isopropylbenzene	11.01	105	8137353	140.855	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.26	83	2769344	147.840	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	2530724m	160.857	ug/l	
73) Bromobenzene	11.24	156	2363088	150.901	ug/l	94
74) n-propylbenzene	11.35	91	9294450	135.924	ug/l	96
75) 2-Chlorotoluene	11.41	91	5821958	144.996	ug/l	96
76) 1,3,5-Trimethylbenzene	11.50	105	7016611	141.423	ug/l	96
77) t-1,4-Dichloro-2-butene	11.06	75	1139888	169.767	ug/l	99
78) 4-Chlorotoluene	11.50	91	6717643	145.480	ug/l	97
79) tert-butylbenzene	11.76	119	7233629	152.277	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	7132494	143.562	ug/l	96
81) sec-Butylbenzene	11.93	105	8111555	139.616	ug/l	97
82) p-Isopropyltoluene	12.05	119	7763404	145.290	ug/l	98
83) 1,3-Dichlorobenzene	12.01	146	4267863	152.611	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	4282319	152.590	ug/l	98
85) n-Butylbenzene	12.37	91	6992997	148.505	ug/l	96
86) Hexachloroethane	12.58	117	1602682	167.854	ug/l	90
87) 1,2-Dichlorobenzene	12.38	146	4133675	151.223	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	739140	179.114	ug/l	90
89) 1,2,4-Trichlorobenzene	13.63	180	3571144	174.676	ug/l	97
90) Hexachlorobutadiene	13.77	225	1979683	189.605	ug/l	99
91) Naphthalene	13.82	128	9067761	156.589	ug/l	98
92) 1,2,3-Trichlorobenzene	14.01	180	3471570	168.654	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032520\
Data File : VX015350.D
Acq On : 25 Mar 2020 19:39
Operator : JC/SP
Sample : VSTDICC150
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

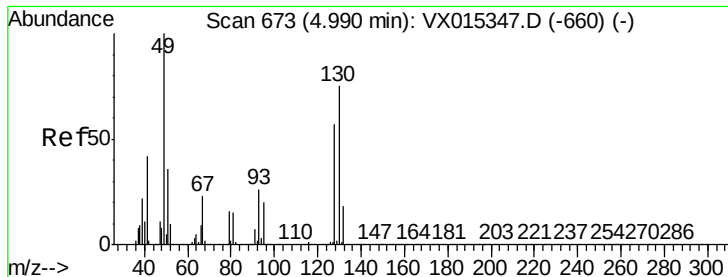
Manual Integrations
APPROVED

apatel
3/26/2020 11:01:22 AM

Quant Time: Mar 26 02:30:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 26 02:14:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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



#1

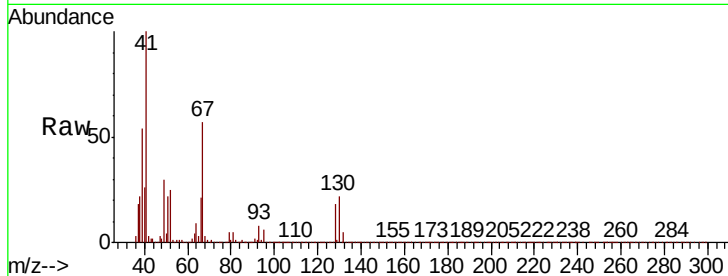
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.99 min Scan# 673
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

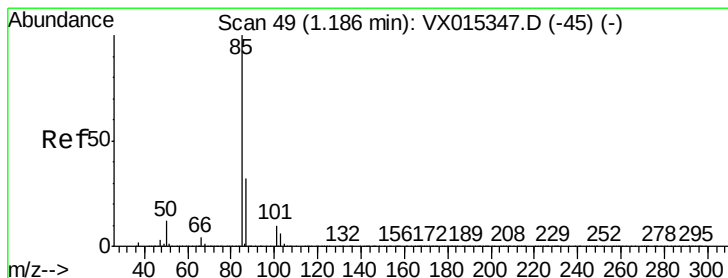
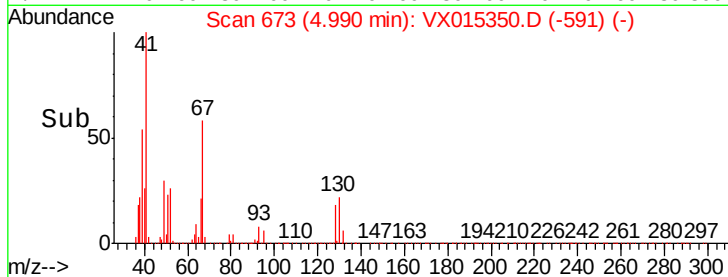
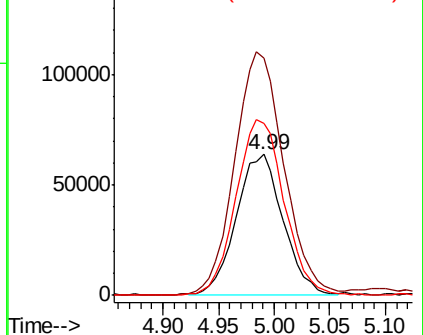
Tot Ion	Ratio	Resp	Lower	Upper
128	100	184315		
49	184.2	0.0	428.0	
130	129.0	0.0	324.5	

Manual Integrations
APPROVED

apatel
3/26/2020 11:01:22 AM



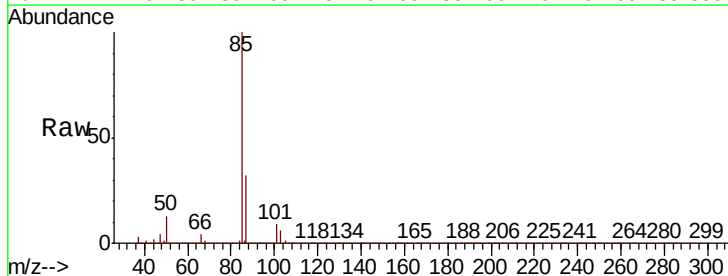
Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VX0
Ion 130.00 (129.70 to 130.70): V



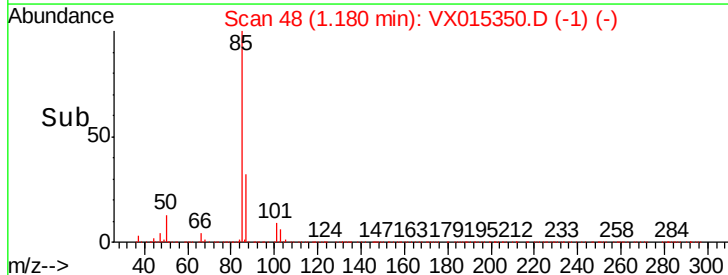
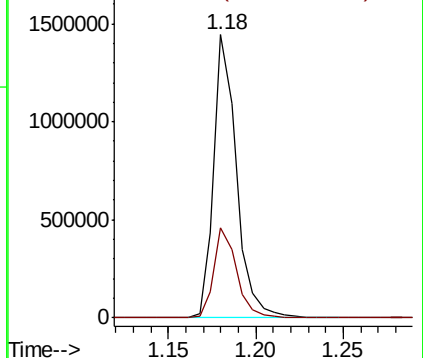
#2

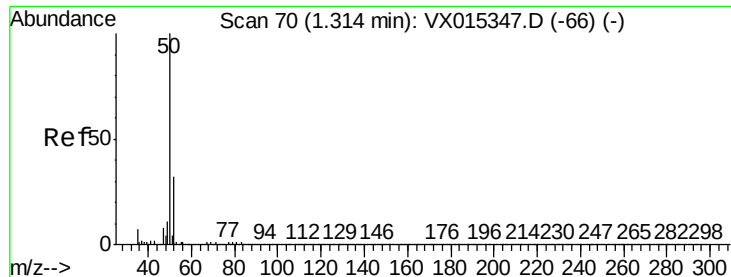
Dichlorodifluoromethane
Concen: 143.452 ug/l
RT: 1.18 min Scan# 48
Delta R.T. -0.01 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	1302129		
87	31.9	16.3	48.9	



Abundance Ion 85.00 (84.70 to 85.70): VX0
Ion 87.00 (86.70 to 87.70): VX0





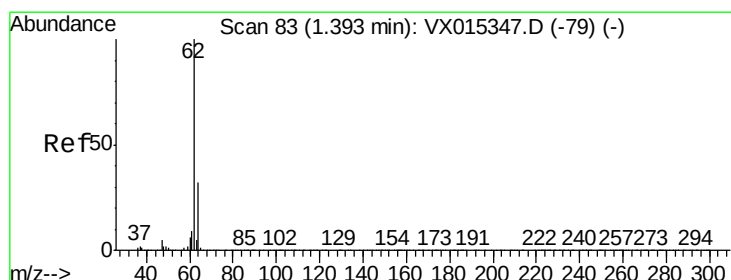
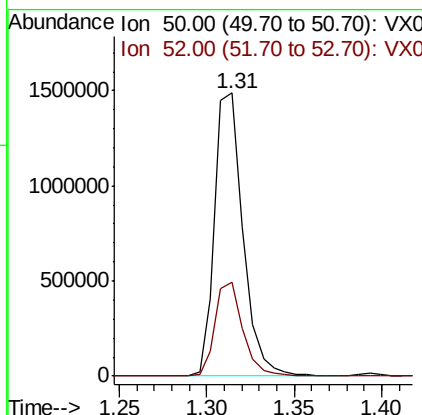
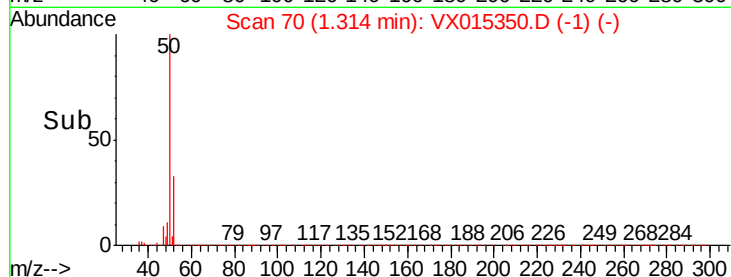
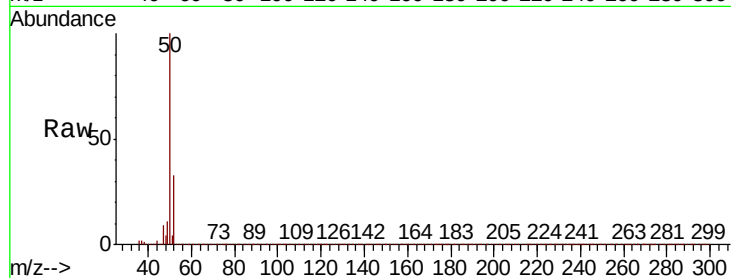
#3
Chloromethane
Concen: 133.359 ug/l
RT: 1.31 min Scan# 70
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 50 Resp: 1680704
Ion Ratio Lower Upper
50 100
52 33.2 25.5 38.3

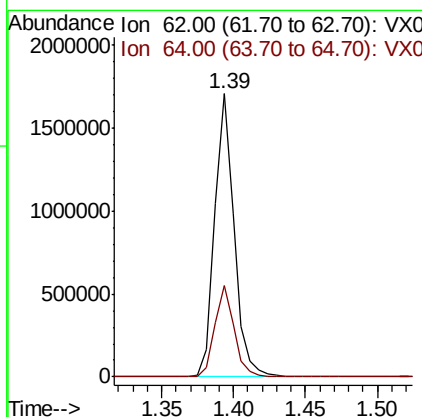
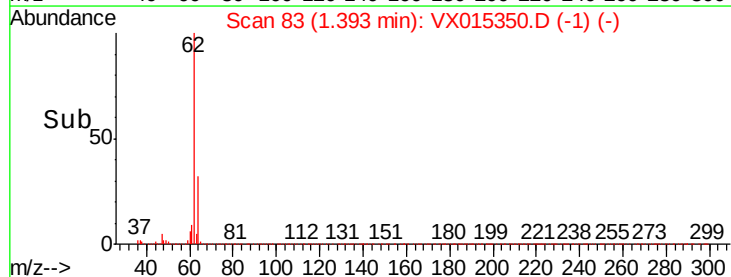
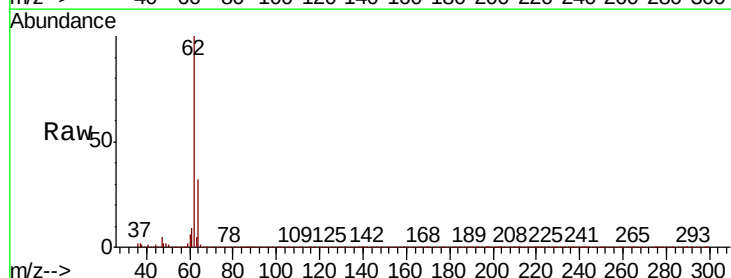
Manual Integrations
APPROVED

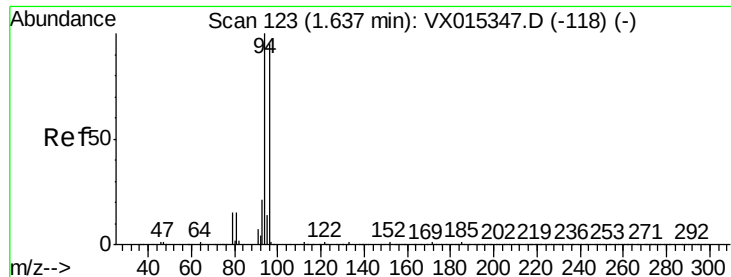
apatel
3/26/2020 11:01:22 AM



#4
Vinyl Chloride
Concen: 125.470 ug/l
RT: 1.39 min Scan# 83
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Tgt Ion: 62 Resp: 1604416
Ion Ratio Lower Upper
62 100
64 32.3 25.4 38.0





#5

Bromomethane

Concen: 74.713 ug/l

RT: 1.62 min Scan# 120

Delta R.T. -0.02 min

Lab File: VX015350.D

Acq: 25 Mar 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 627270

Ion Ratio Lower Upper

94 100

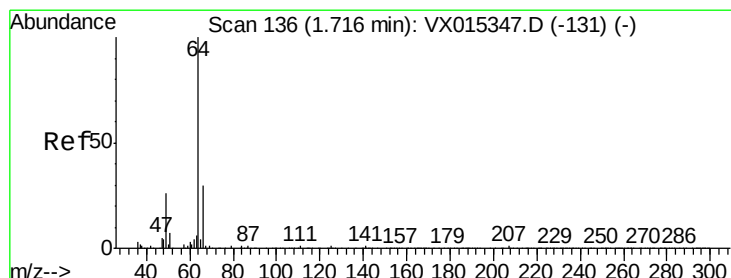
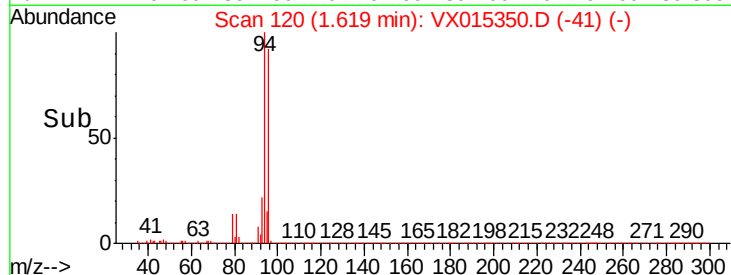
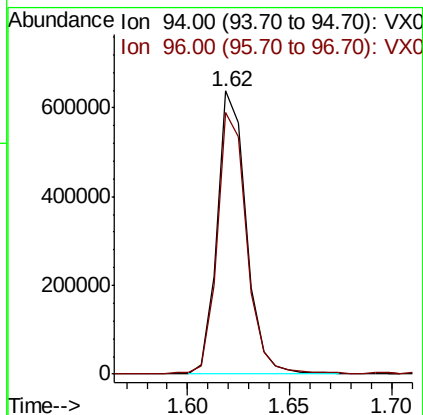
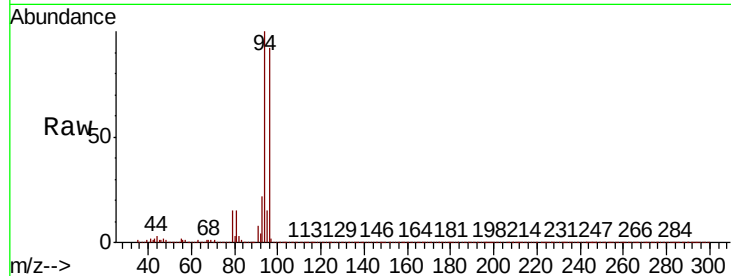
96 92.3 76.1 114.1

Manual Integrations

APPROVED

apatel

3/26/2020 11:01:22 AM



#6

Chloroethane

Concen: 120.664 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.02 min

Lab File: VX015350.D

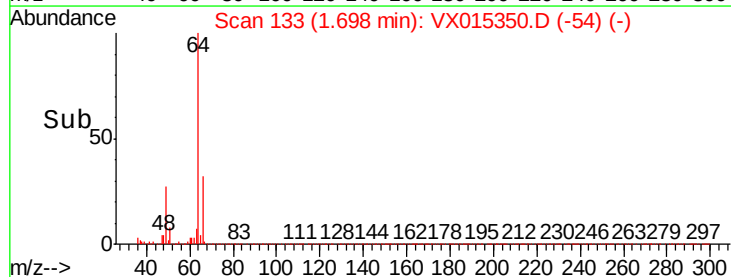
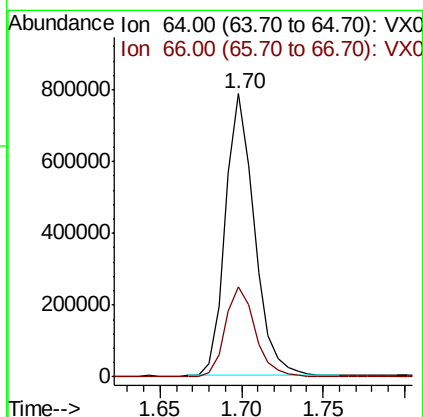
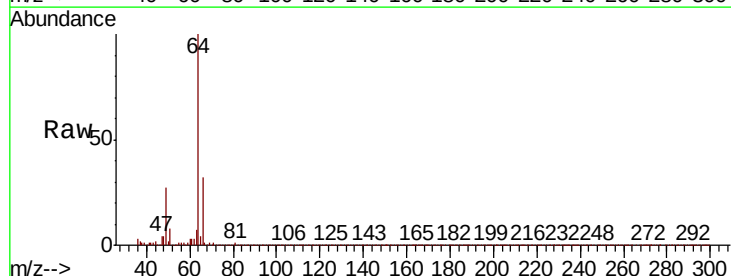
Acq: 25 Mar 2020 19:39

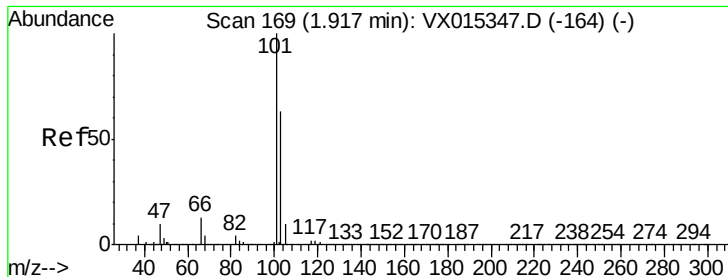
Tgt Ion: 64 Resp: 971571

Ion Ratio Lower Upper

64 100

66 31.6 24.3 36.5





#7

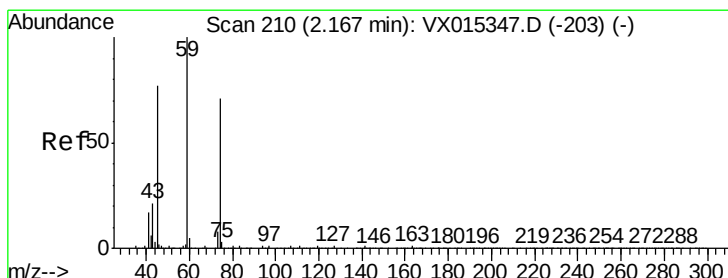
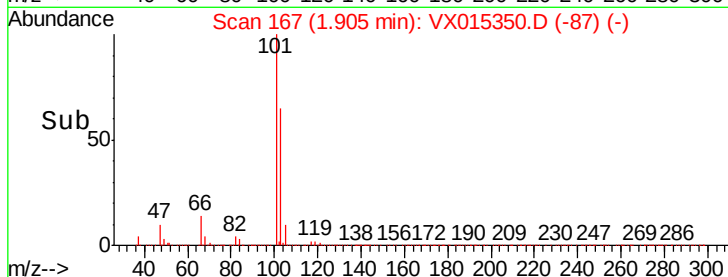
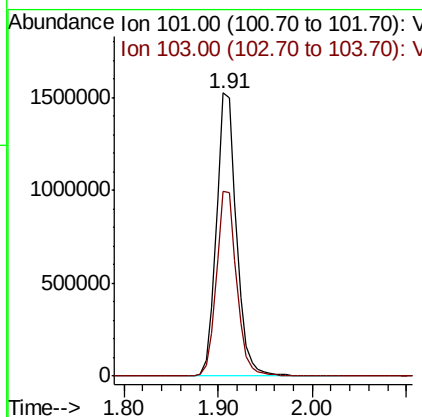
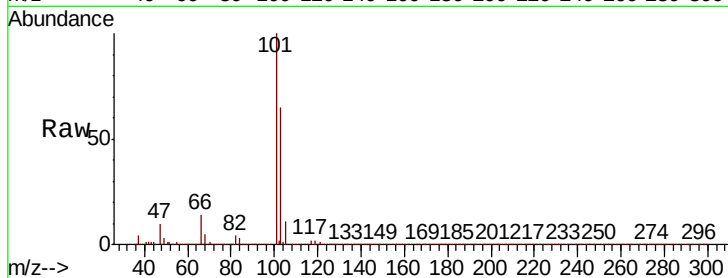
Trichlorofluoromethane
Concen: 135.068 ug/l
RT: 1.91 min Scan# 167
Delta R.T. -0.01 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 2247490
Ion Ratio Lower Upper
101 100
103 65.4 49.9 74.9

Manual Integrations
APPROVED

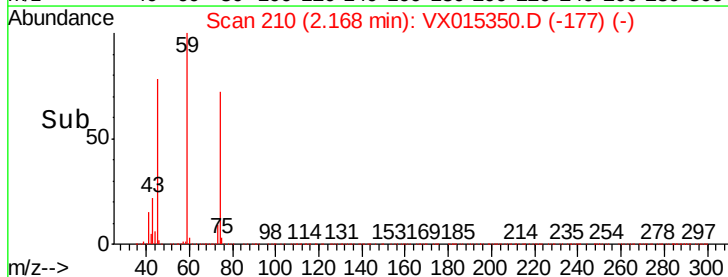
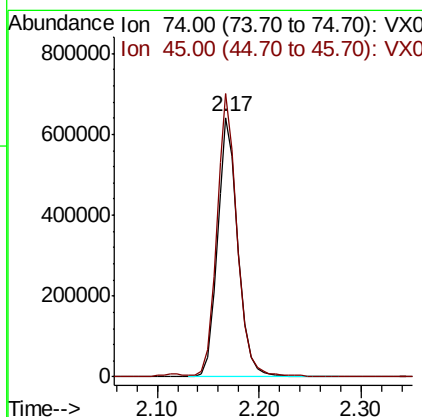
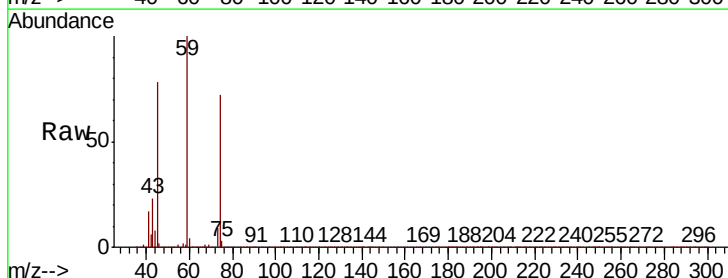
apatel
3/26/2020 11:01:22 AM

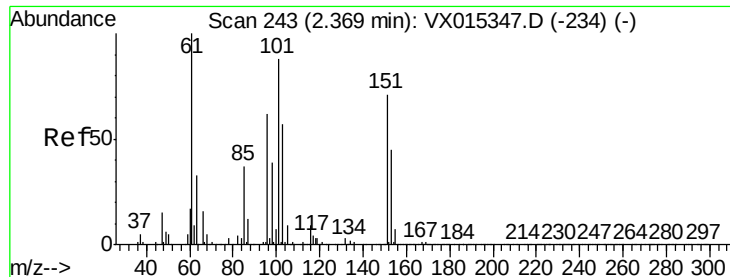


#8

Diethyl Ether
Concen: 123.809 ug/l
RT: 2.17 min Scan# 210
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Tgt Ion: 74 Resp: 891578
Ion Ratio Lower Upper
74 100
45 108.2 21.8 196.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 143.157 ug/l

RT: 2.36 min Scan# 242

Delta R.T. -0.01 min

Lab File: VX015350.D

Acq: 25 Mar 2020 19:39

Instrument :

MSVOA_X

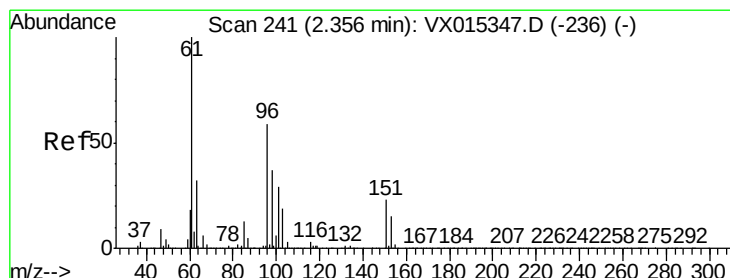
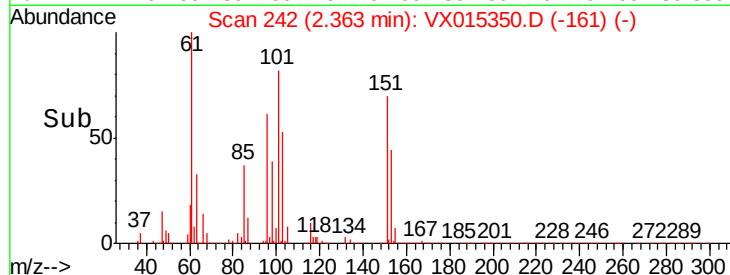
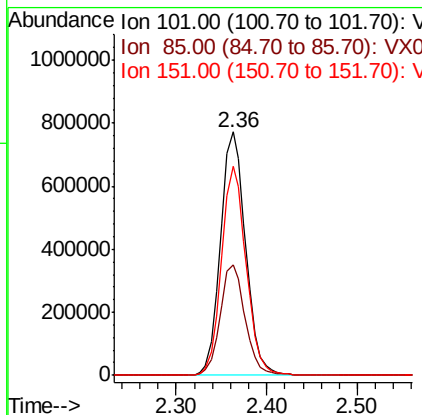
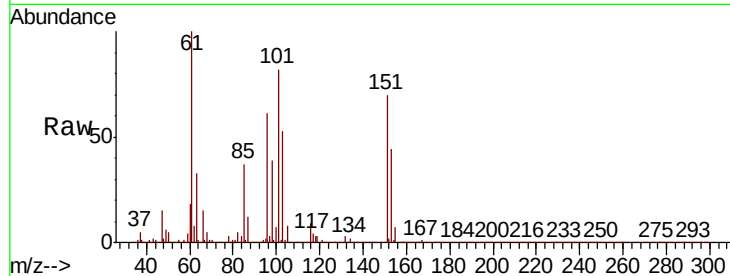
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	1489111		
85	44.4	0.0	85.8	
151	83.9	0.0	164.6	

Manual Integrations
APPROVED

apatel
3/26/2020 11:01:22 AM



#10

1,1-Dichloroethene

Concen: 143.060 ug/l

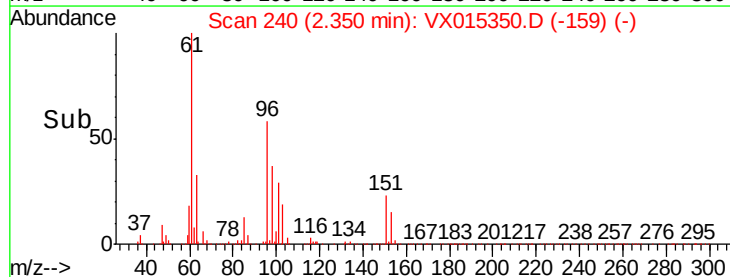
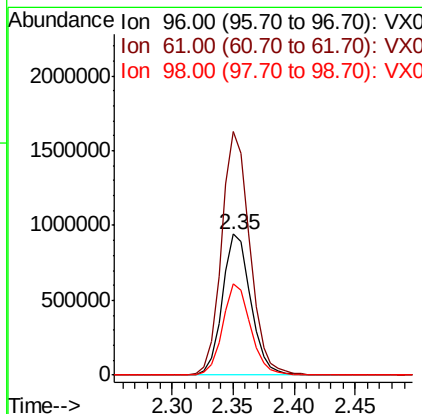
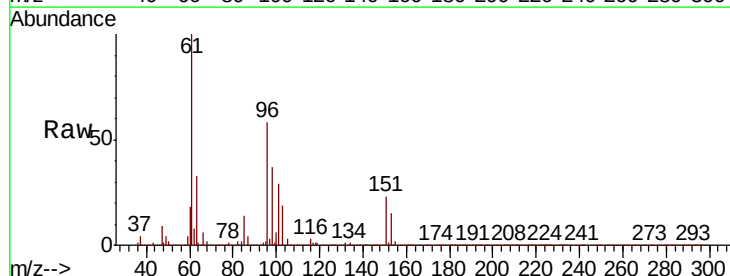
RT: 2.35 min Scan# 240

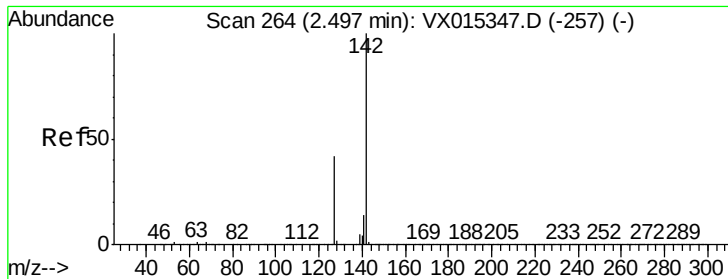
Delta R.T. -0.01 min

Lab File: VX015350.D

Acq: 25 Mar 2020 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	1500966		
61	172.8	135.5	203.3	
98	64.4	50.2	75.2	





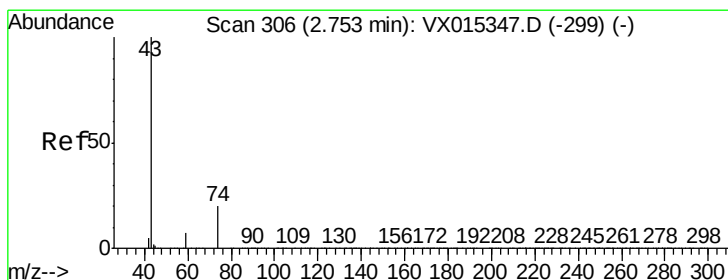
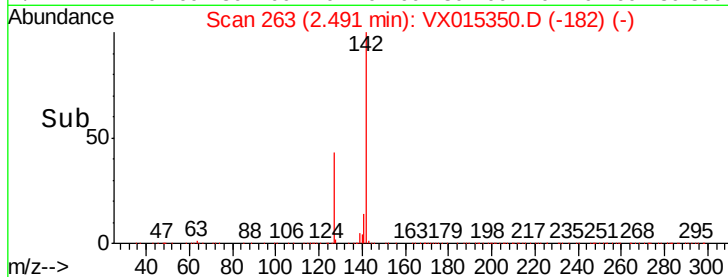
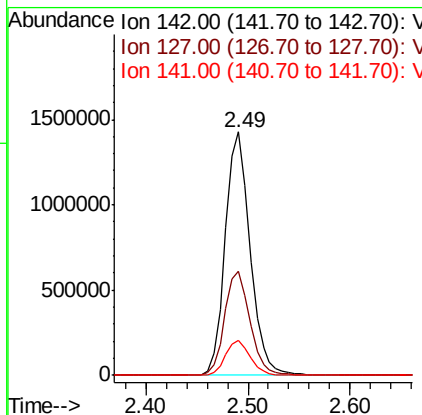
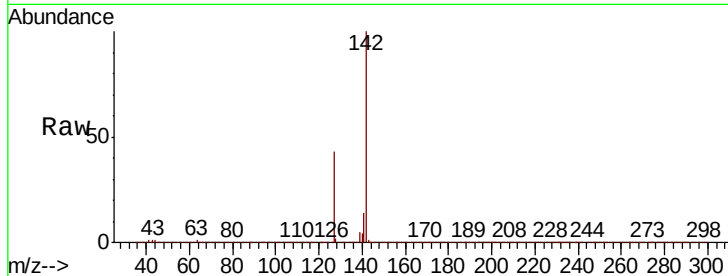
#11
Methvl Iodide
Concen: 207.985 ug/l
RT: 2.49 min Scan# 263
Delta R.T. -0.01 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.7	21.0	63.0
141	14.2	6.9	20.7

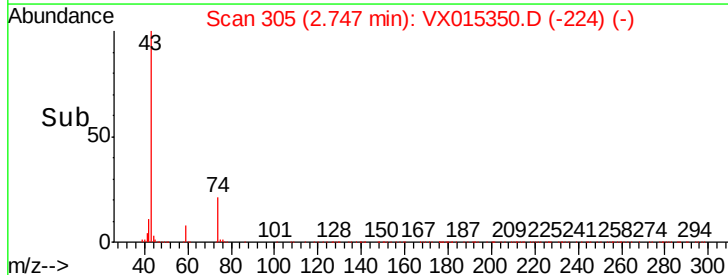
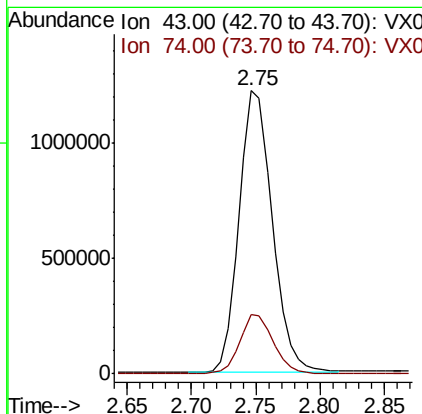
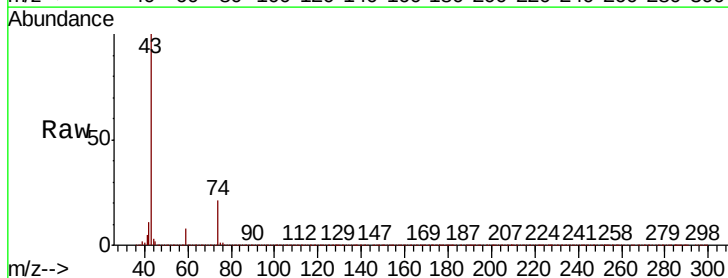
Manual Integrations
APPROVED

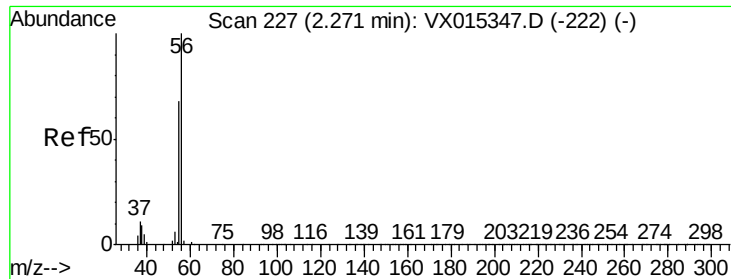
apatel
3/26/2020 11:01:22 AM



#12
Methyl Acetate
Concen: 162.363 ug/l
RT: 2.75 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.7	15.8	23.6





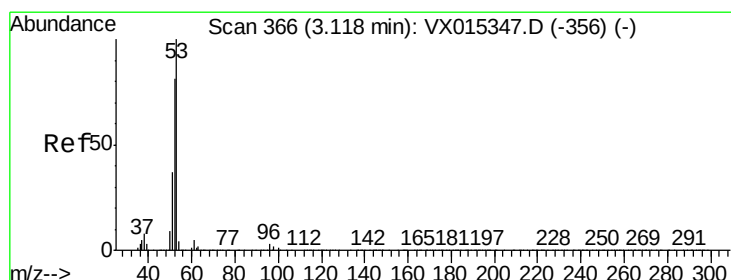
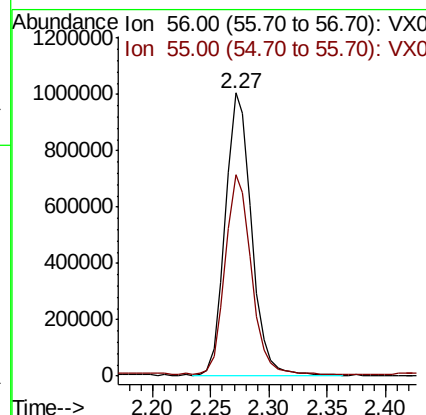
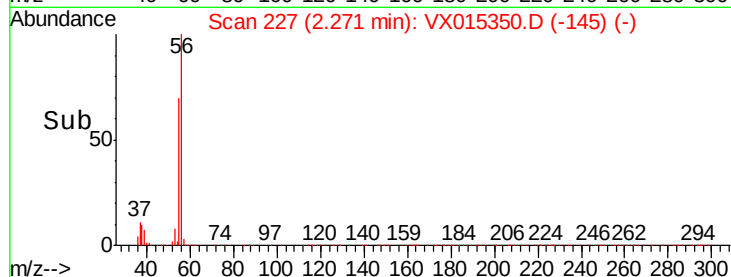
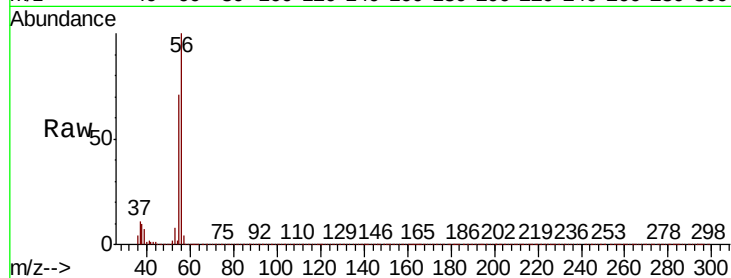
#13
Acrolein
Concen: 756.365 ug/l
RT: 2.27 min Scan# 227
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion: 56 Resp: 1556991
Ion Ratio Lower Upper
56 100
55 70.7 53.5 80.3

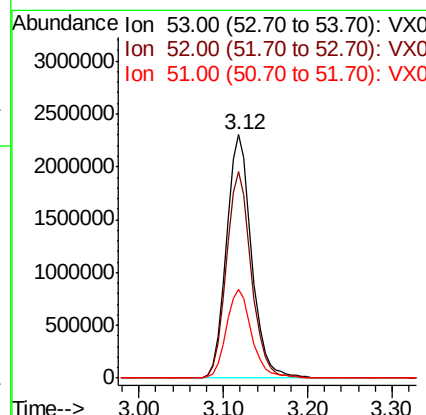
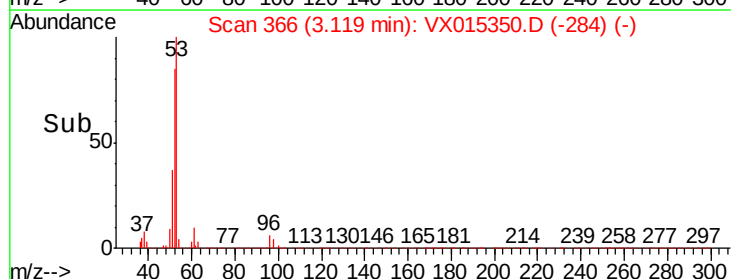
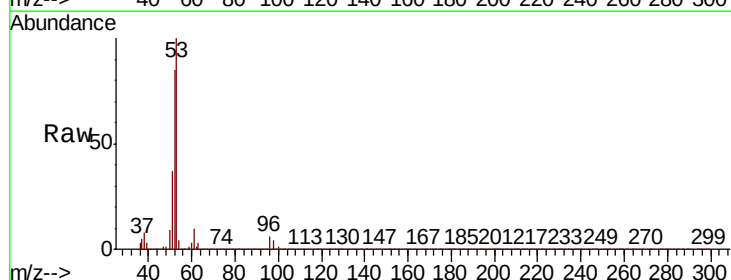
Manual Integrations
APPROVED

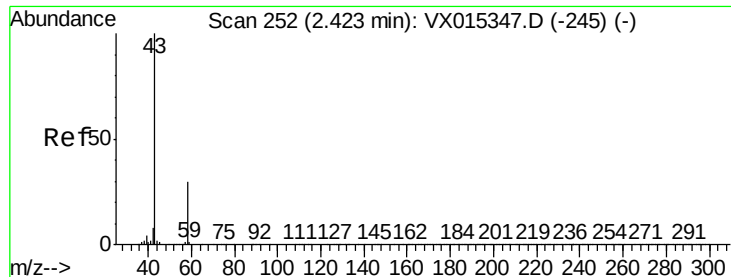
apatel
3/26/2020 11:01:22 AM



#14
Acrylonitrile
Concen: 760.804 ug/l
RT: 3.12 min Scan# 366
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Tgt Ion: 53 Resp: 4721315
Ion Ratio Lower Upper
53 100
52 83.7 41.0 123.2
51 37.0 18.4 55.4





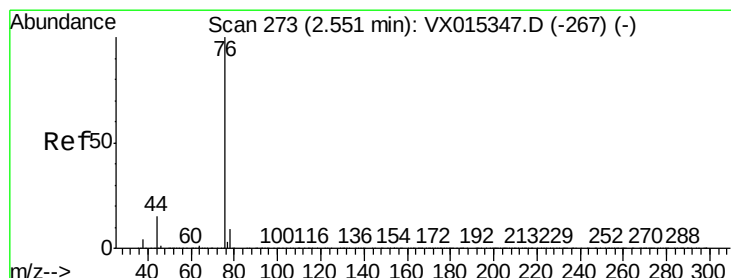
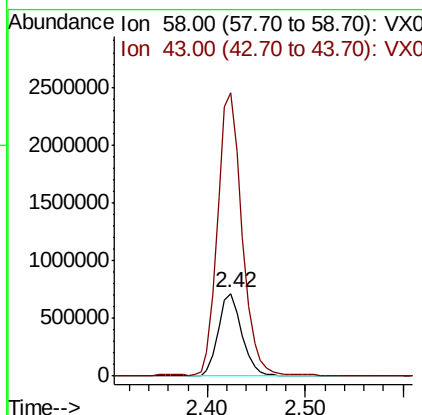
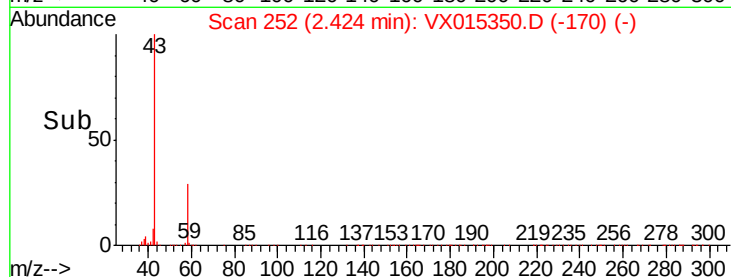
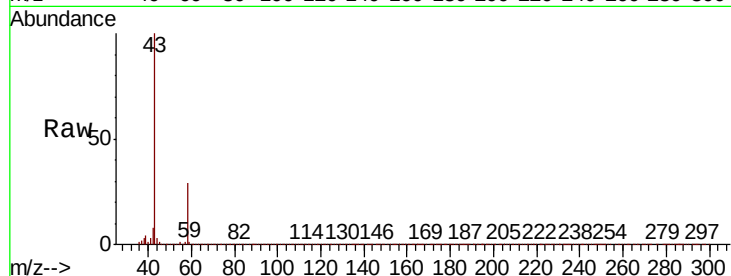
#15
Acetone
Concen: 701.558 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion: 58 Resp: 1201066
Ion Ratio Lower Upper
58 100
43 341.8 267.8 401.8

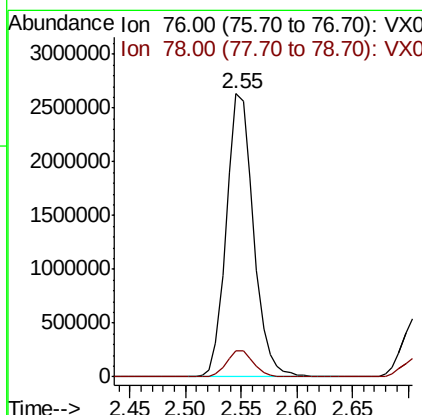
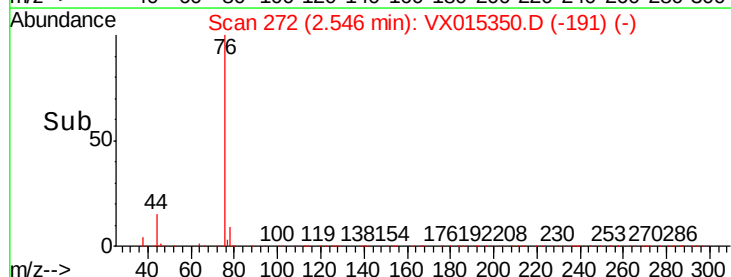
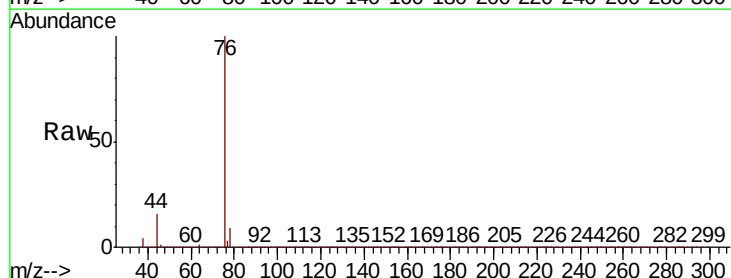
Manual Integrations
APPROVED

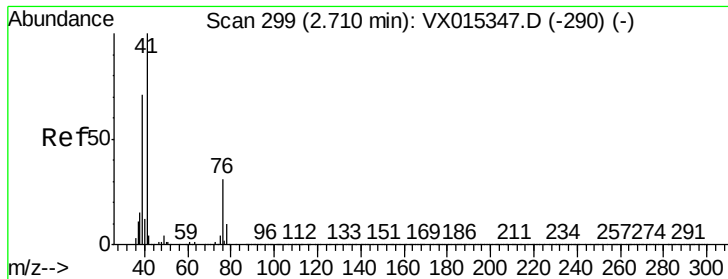
apatel
3/26/2020 11:01:22 AM



#16
Carbon Disulfide
Concen: 147.819 ug/l
RT: 2.55 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Tgt Ion: 76 Resp: 4452501
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2





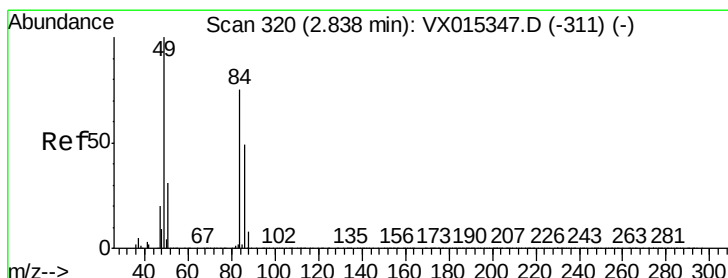
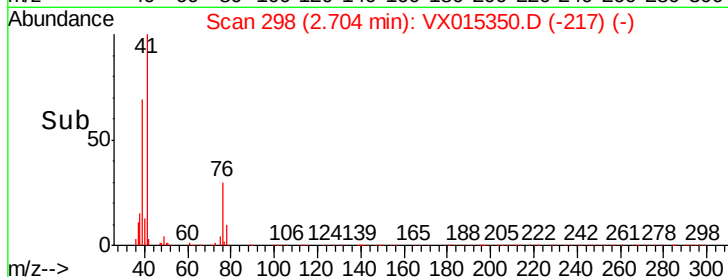
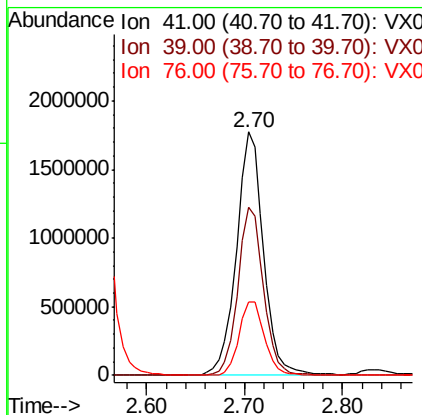
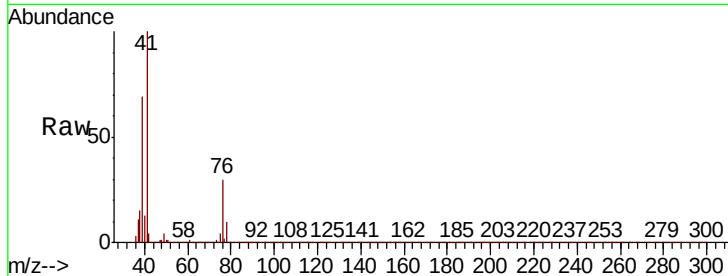
#17
Allvl chloride
Concen: 164.011 ug/l
RT: 2.70 min Scan# 298
Delta R.T. -0.01 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.1	35.6	106.8
76	30.3	15.4	46.4

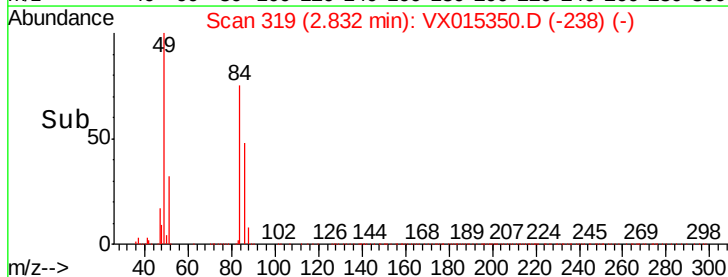
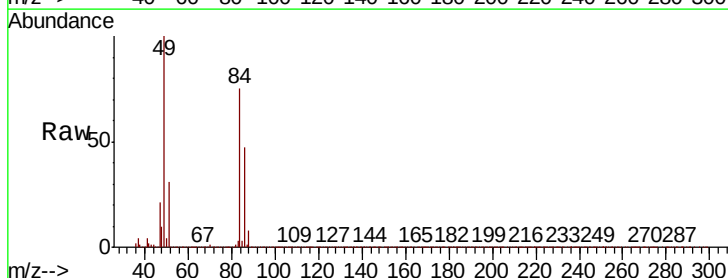
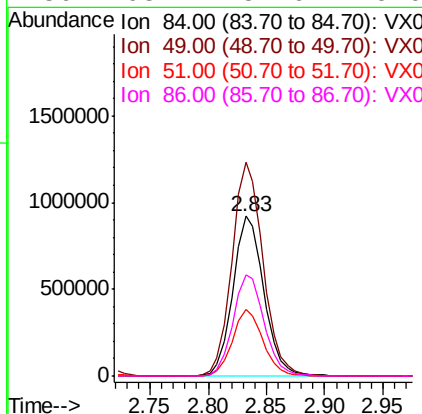
Manual Integrations
APPROVED

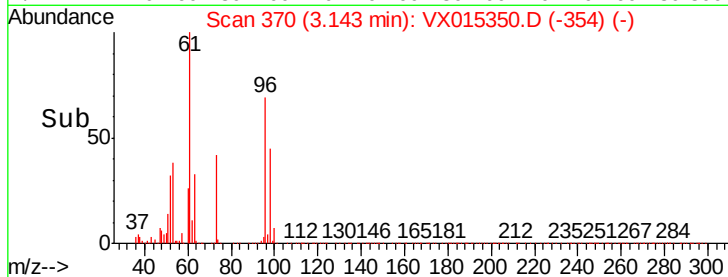
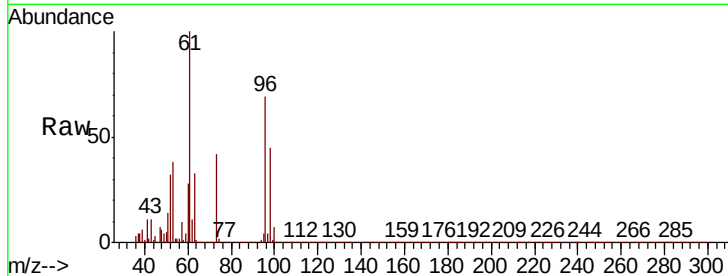
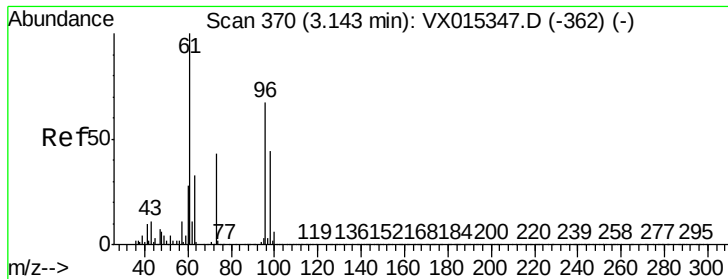
apatel
3/26/2020 11:01:22 AM



#18
Methylene Chloride
Concen: 142.026 ug/l
RT: 2.83 min Scan# 319
Delta R.T. -0.01 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.1	107.0	160.4
51	41.7	33.4	50.0
86	63.4	52.6	79.0





#19

trans-1,2-Dichloroethene

Concen: 142.748 ug/l

RT: 3.14 min Scan# 370

Delta R.T. 0.00 min

Lab File: VX015350.D

Acq: 25 Mar 2020 19:39

Tot Ion:	96	Resp:	1644015
Ion	Ratio	Lower	Upper
96	100		
61	144.8	118.2	177.2
98	64.7	51.9	77.9

Instrument :

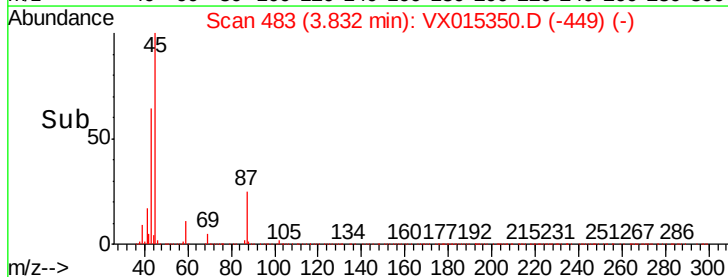
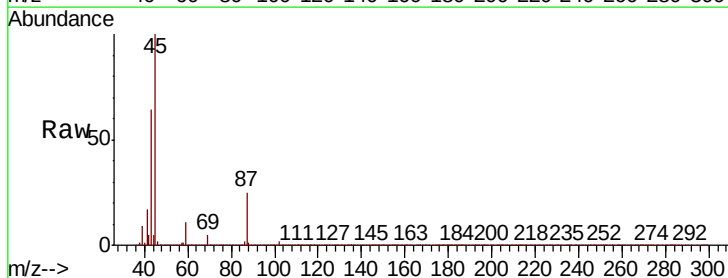
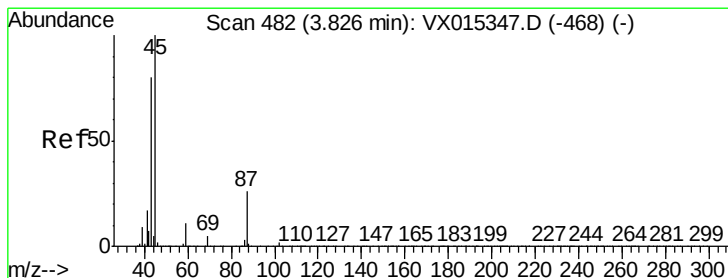
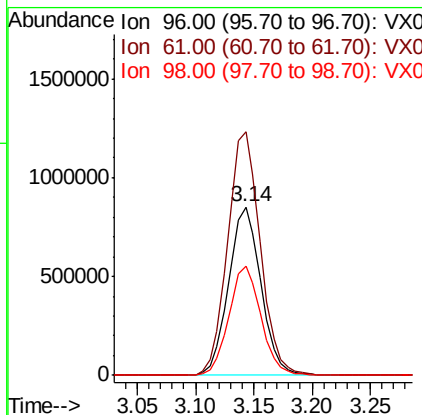
MSVOA_X

ClientSampleId :

VSTDIC150

Manual Integrations
APPROVED

apatel
3/26/2020 11:01:22 AM



#20

Diisopropyl ether

Concen: 150.916 ug/l

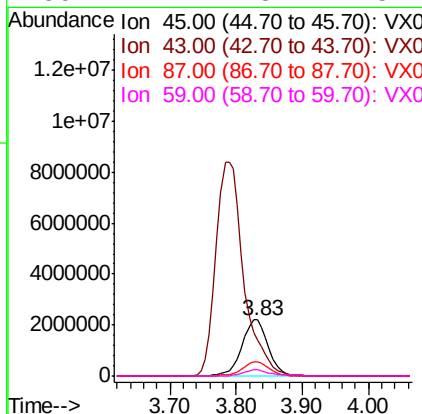
RT: 3.83 min Scan# 483

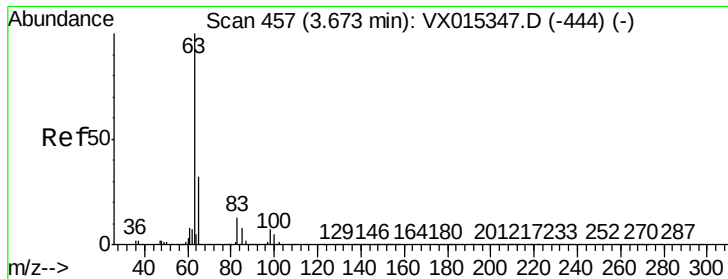
Delta R.T. 0.01 min

Lab File: VX015350.D

Acq: 25 Mar 2020 19:39

Tgt Ion:	45	Resp:	6020680
Ion	Ratio	Lower	Upper
45	100		
43	63.4	64.4	96.6#
87	25.2	20.4	30.6
59	11.1	8.7	13.1





#21

1,1-Dichloroethane

Concen: 151.028 ug/l

RT: 3.67 min Scan# 457

Delta R.T. 0.00 min

Lab File: VX015350.D

Acq: 25 Mar 2020 19:39

Instrument :

MSVOA_X

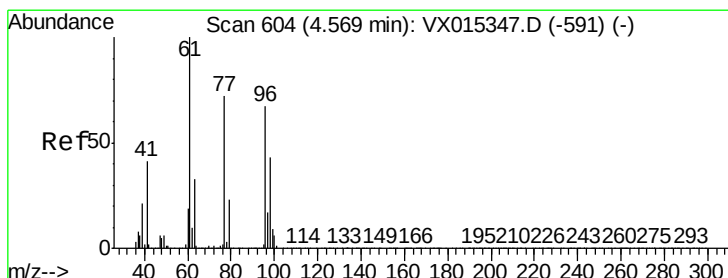
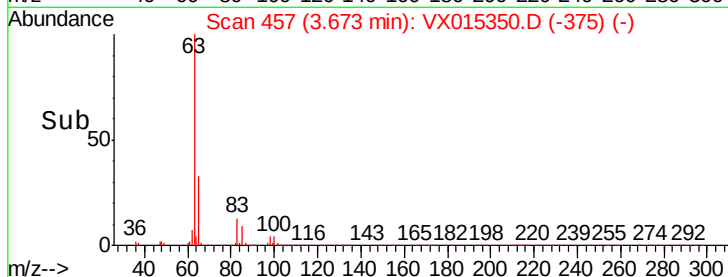
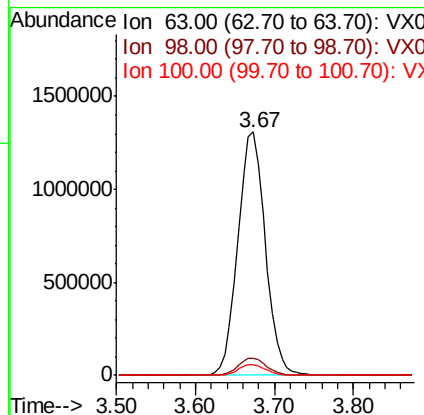
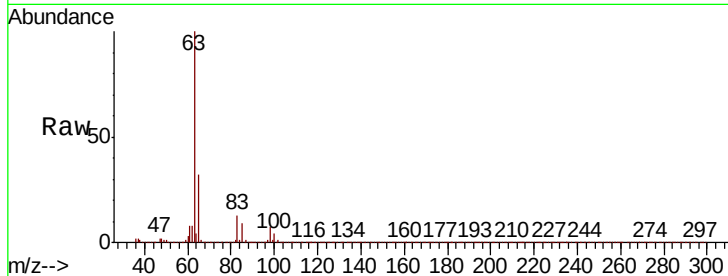
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.3	9.9
100	4.4	2.3	6.8

Manual Integrations
APPROVED

apatel
3/26/2020 11:01:22 AM



#22

cis-1,2-Dichloroethene

Concen: 148.834 ug/l

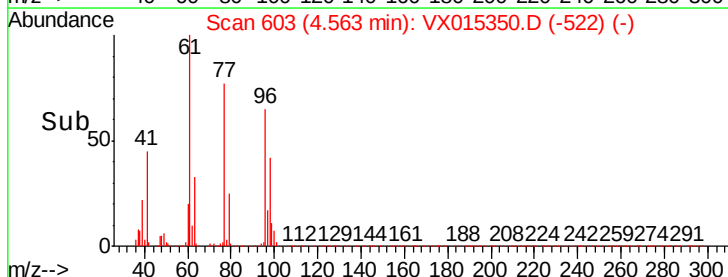
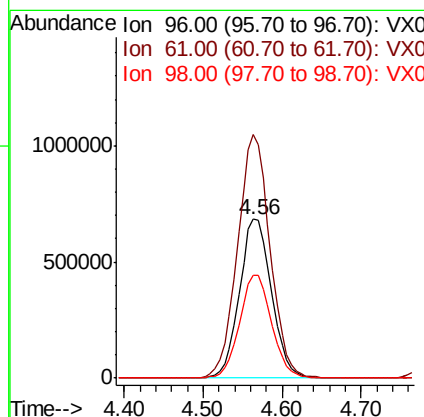
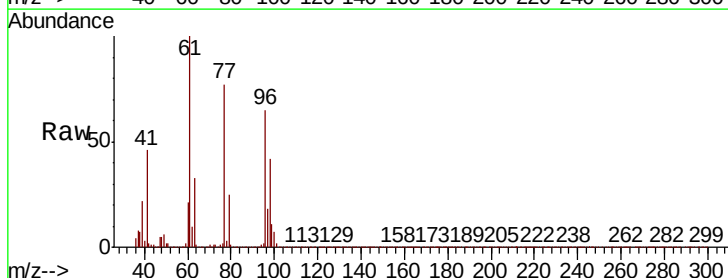
RT: 4.56 min Scan# 603

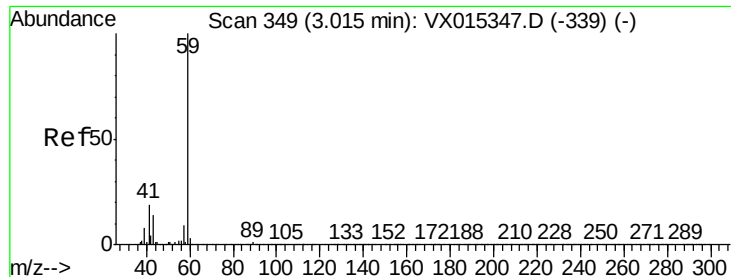
Delta R.T. -0.01 min

Lab File: VX015350.D

Acq: 25 Mar 2020 19:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.6	127.2	190.8
98	64.5	51.8	77.6





#23

tert-Butyl Alcohol

Concen: 889.552 ug/l m

RT: 3.03 min Scan# 351

Delta R.T. 0.01 min

Lab File: VX015350.D

Acq: 25 Mar 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 59 Resp: 2284425

Ion Ratio Lower Upper

59 100

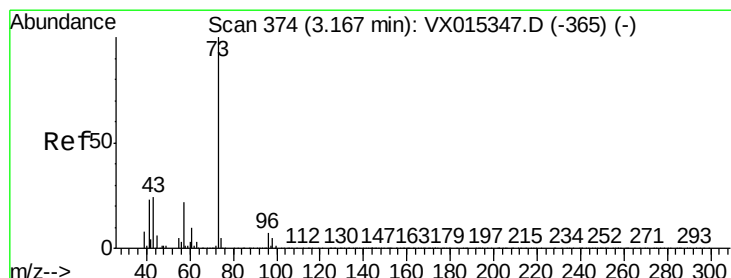
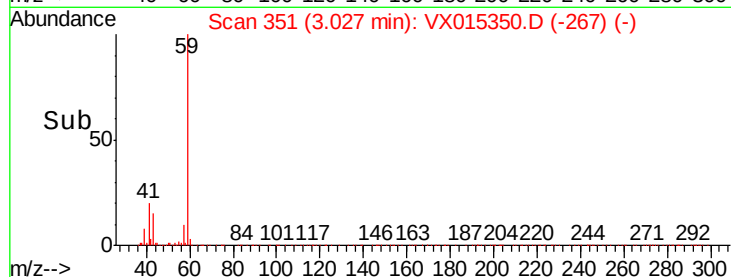
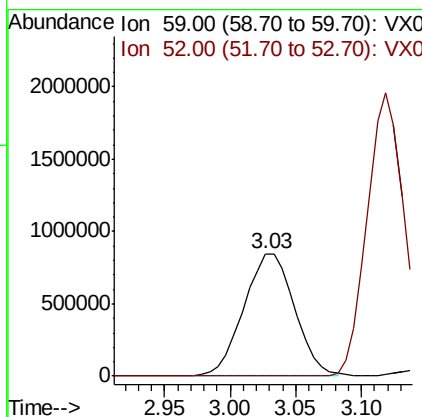
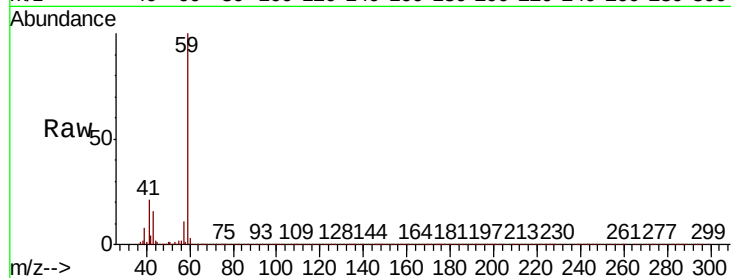
52 0.0 0.2 0.2#

Manual Integrations

APPROVED

apatel

3/26/2020 11:01:22 AM



#24

Methyl tert-Butyl Ether

Concen: 157.459 ug/l

RT: 3.17 min Scan# 374

Delta R.T. 0.00 min

Lab File: VX015350.D

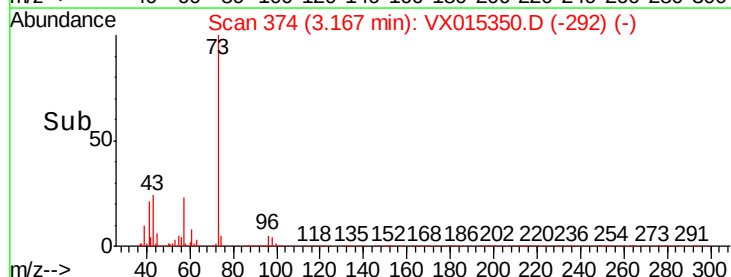
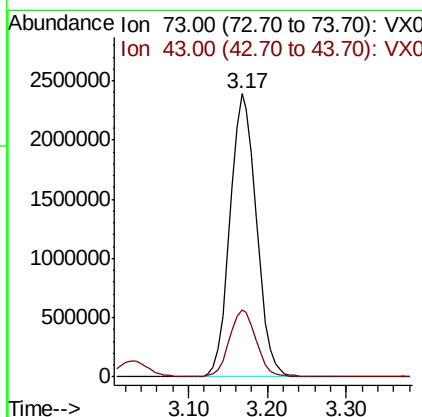
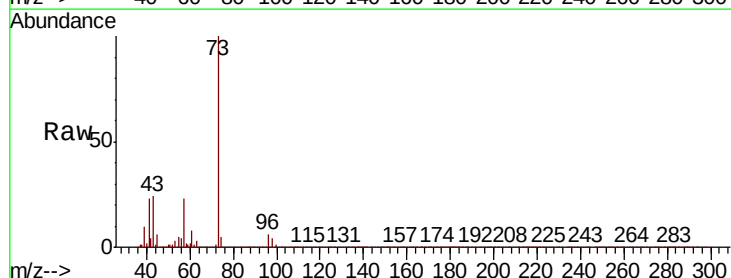
Acq: 25 Mar 2020 19:39

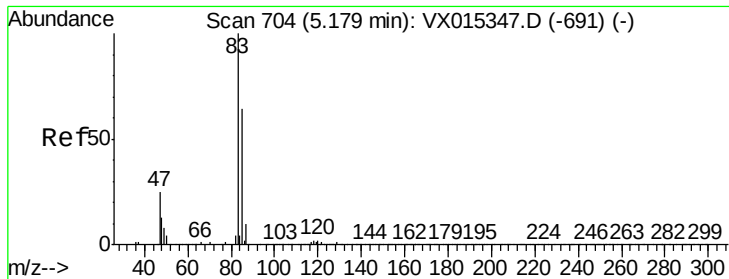
Tgt Ion: 73 Resp: 5560948

Ion Ratio Lower Upper

73 100

43 23.6 19.2 28.8





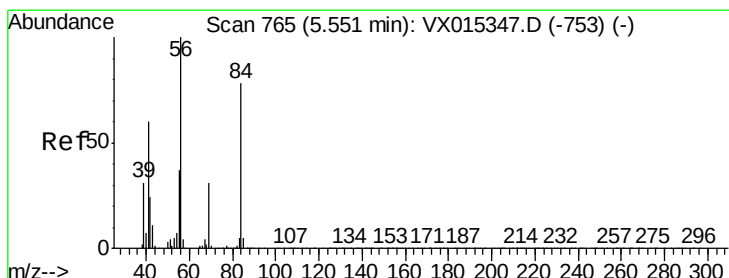
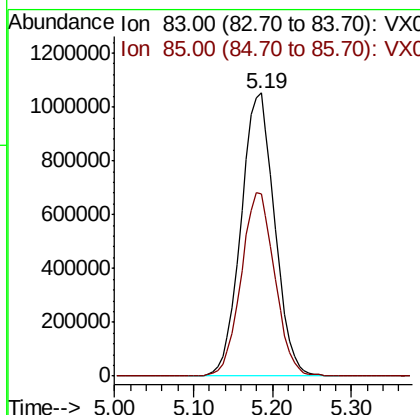
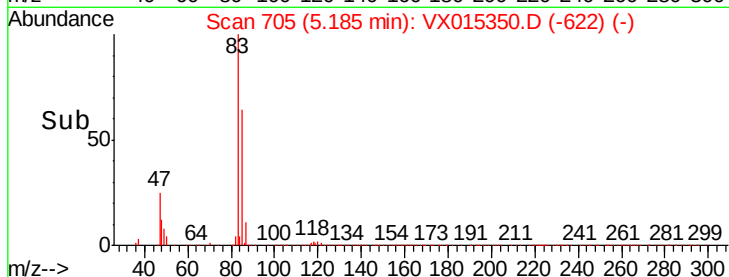
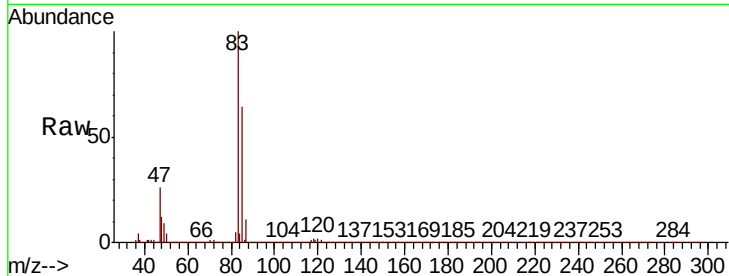
#25
Chloroform
Concen: 156.342 ug/l
RT: 5.19 min Scan# 705
Delta R.T. 0.01 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 3104342
Ion Ratio Lower Upper
83 100
85 64.1 50.5 75.7

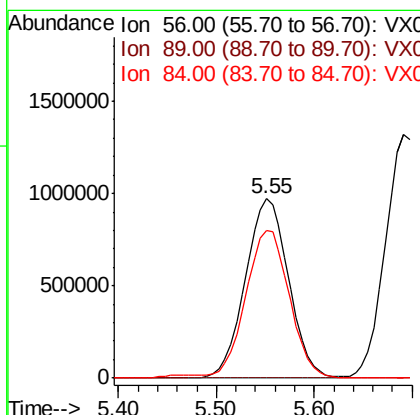
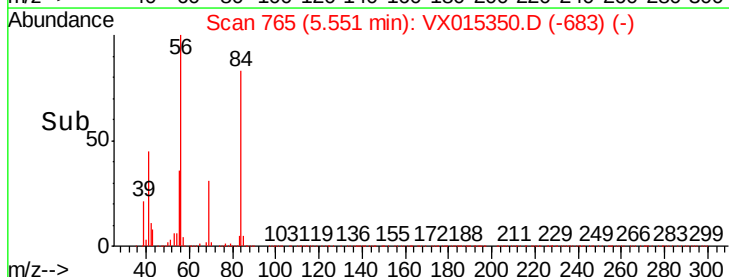
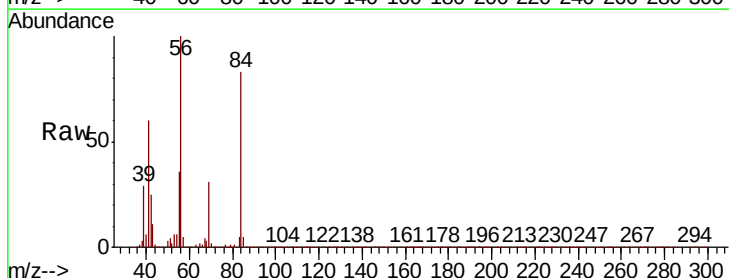
Manual Integrations
APPROVED

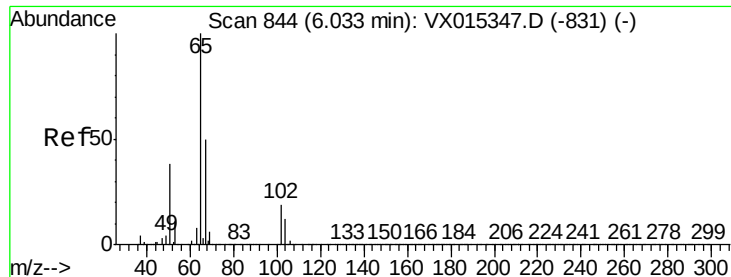
apatel
3/26/2020 11:01:22 AM



#26
Cyclohexane
Concen: 152.358 ug/l
RT: 5.55 min Scan# 765
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Tgt Ion: 56 Resp: 2964821
Ion Ratio Lower Upper
56 100
89 0.0 0.1 0.1#
84 83.6 66.1 99.1





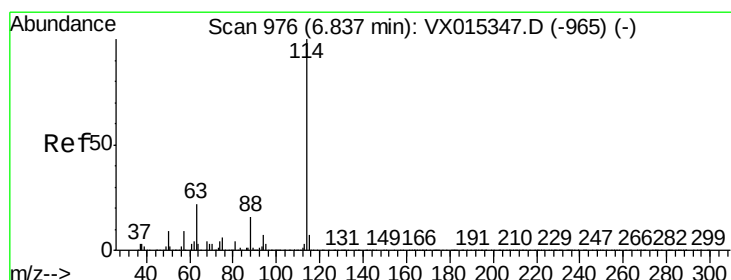
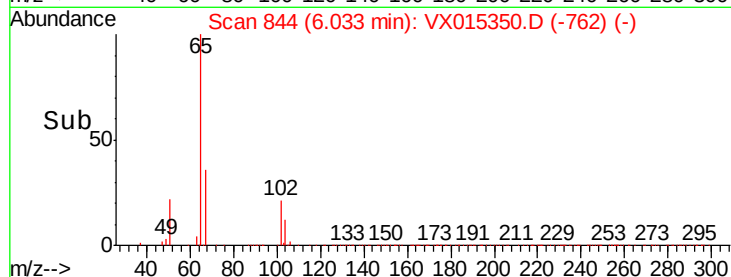
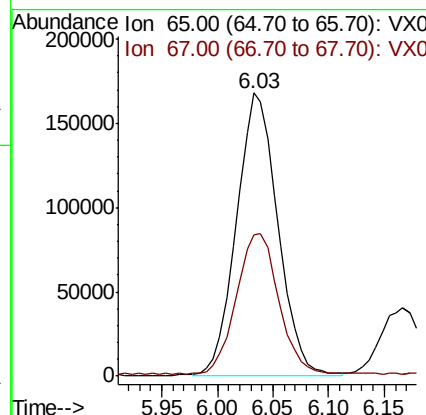
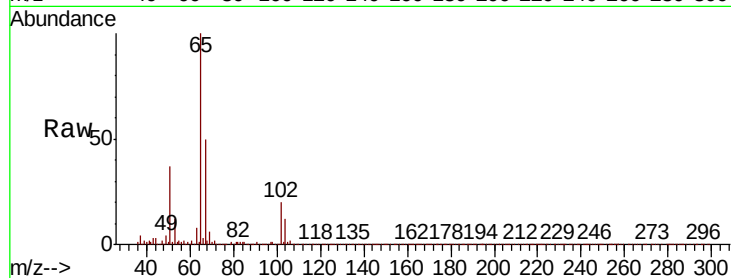
#27
 1,2-Dichloroethane-d4
 Concen: 33.872 ug/l
 RT: 6.03 min Scan# 844
 Delta R.T. 0.00 min
 Lab File: VX015350.D
 Acq: 25 Mar 2020 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.7	40.9	61.3

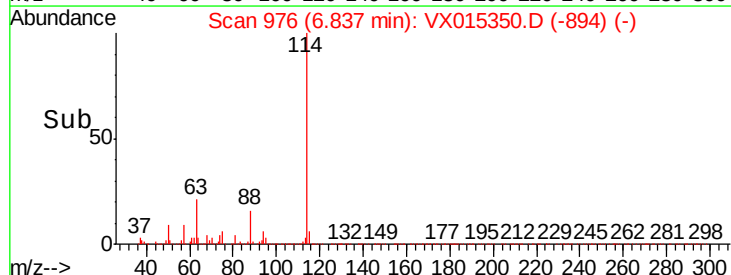
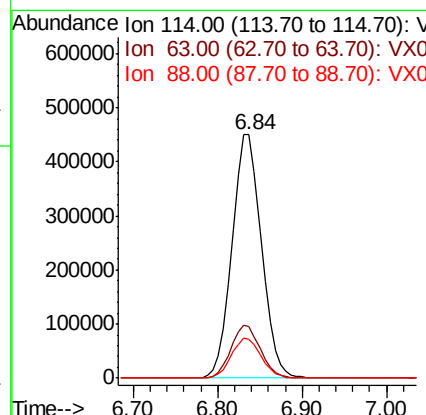
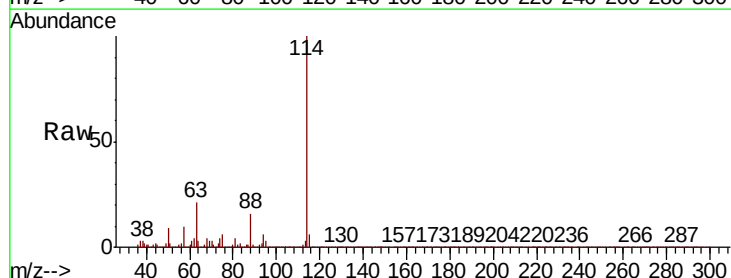
Manual Integrations
 APPROVED

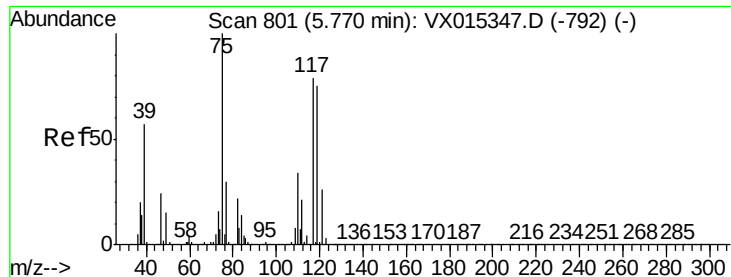
apatel
 3/26/2020 11:01:22 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VX015350.D
 Acq: 25 Mar 2020 19:39

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	17.4	26.2
88	16.4	12.9	19.3





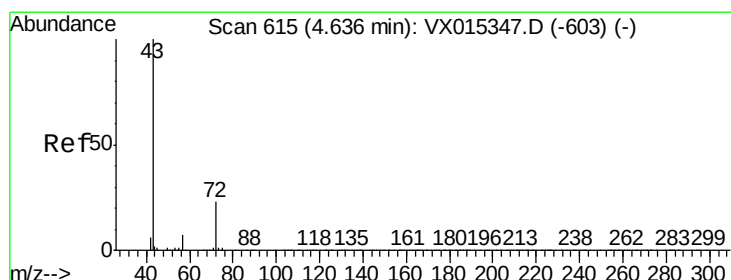
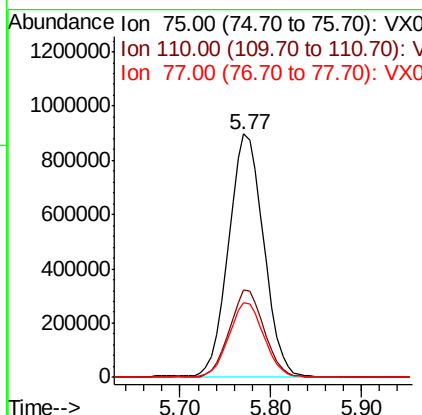
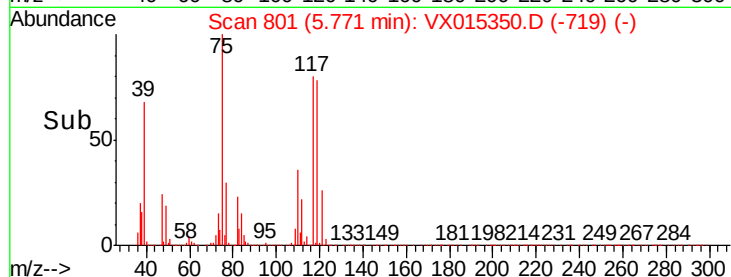
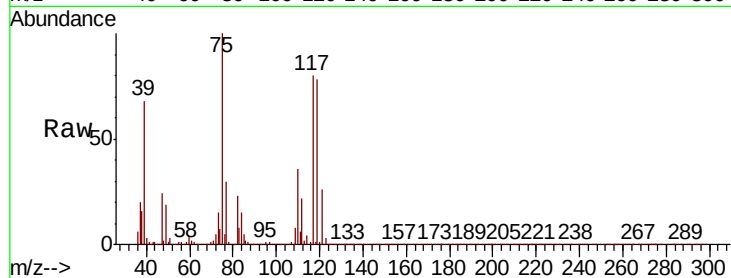
#29
1,1-Dichloropropene
Concen: 147.696 ug/l
RT: 5.77 min Scan# 801
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.5	0.0	71.2
77	30.7	0.0	62.2

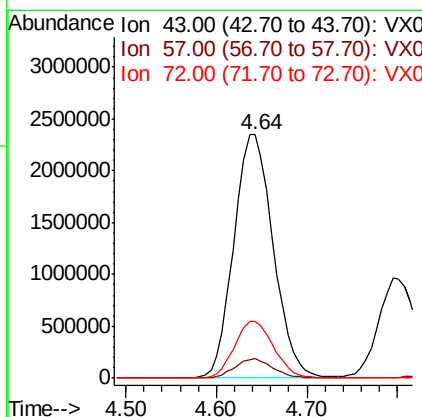
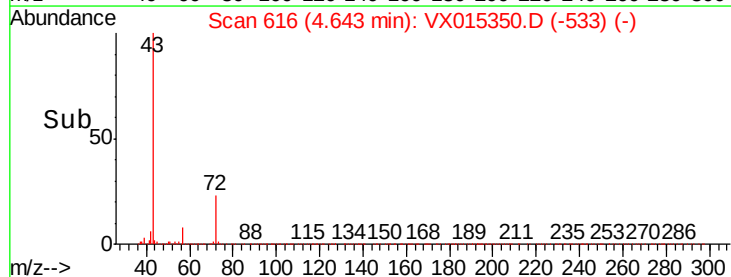
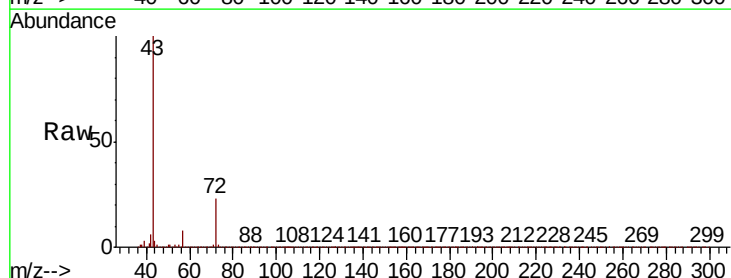
Manual Integrations
APPROVED

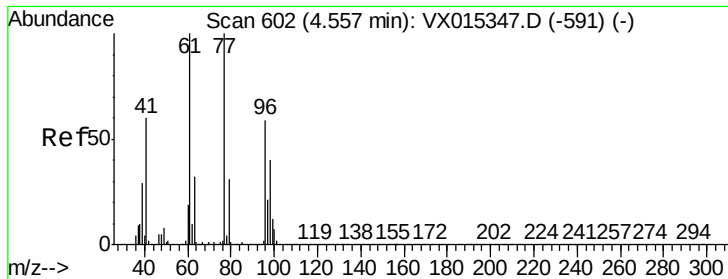
apatel
3/26/2020 11:01:22 AM



#30
2-Butanone
Concen: 787.709 ug/l
RT: 4.64 min Scan# 616
Delta R.T. 0.01 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.5	5.9	8.9
72	23.3	18.6	27.8





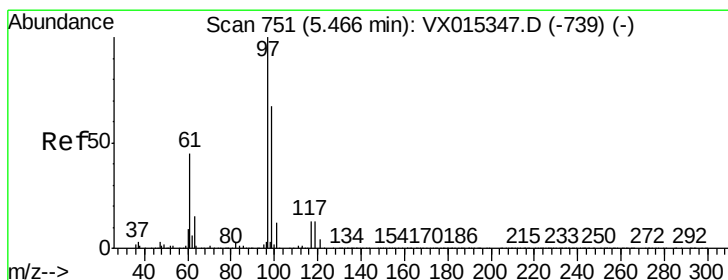
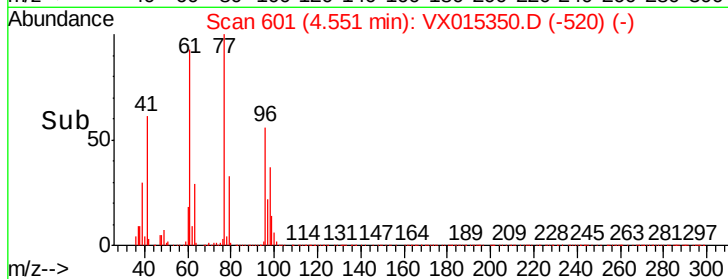
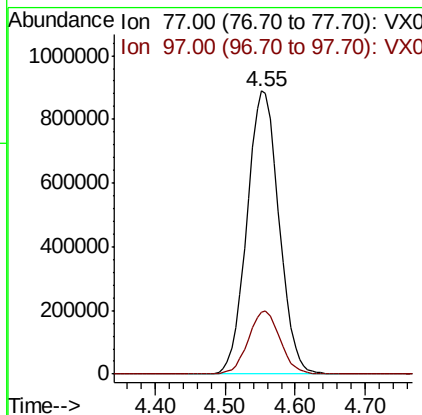
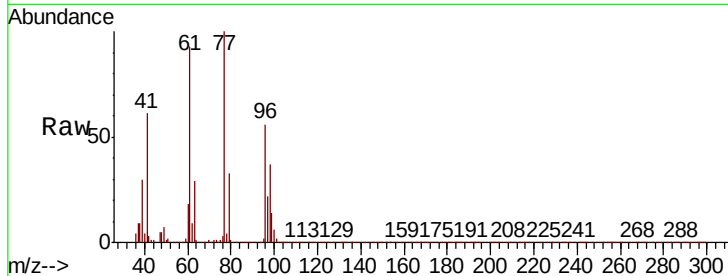
#31
 2,2-Dichloropropane
 Concen: 161.213 ug/l
 RT: 4.55 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: VX015350.D
 Acq: 25 Mar 2020 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Tot Ion: 77 Resp: 2818226
 Ion Ratio Lower Upper
 77 100
 97 21.9 17.8 26.8

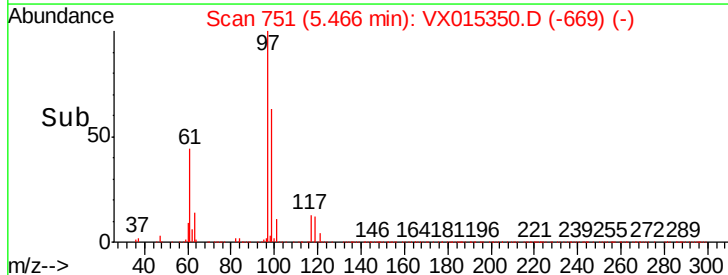
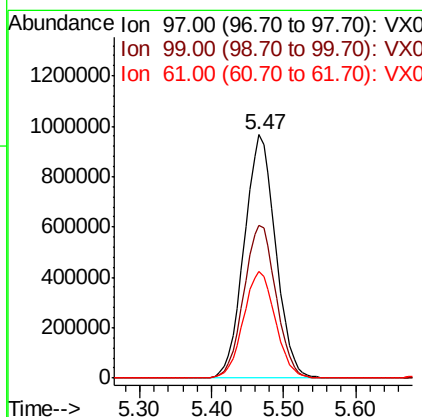
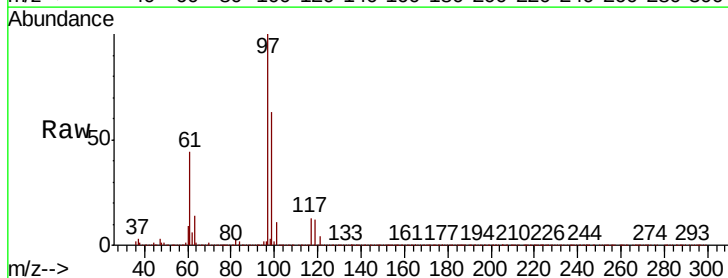
Manual Integrations
 APPROVED

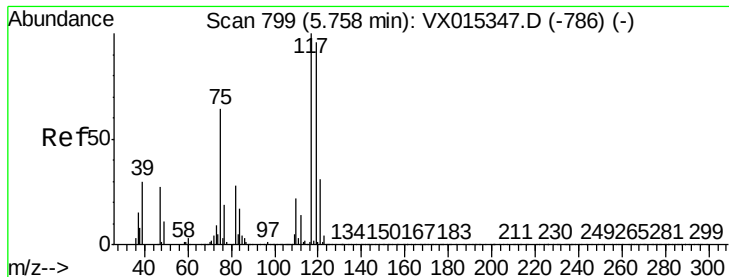
apatel
 3/26/2020 11:01:22 AM



#32
 1,1,1-Trichloroethane
 Concen: 160.599 ug/l
 RT: 5.47 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: VX015350.D
 Acq: 25 Mar 2020 19:39

Tgt Ion: 97 Resp: 2913928
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.0 76.4
 61 44.5 35.8 53.8





#33

Carbon Tetrachloride

Concen: 168.658 ug/l

RT: 5.76 min Scan# 799

Delta R.T. 0.00 min

Lab File: VX015350.D

Acq: 25 Mar 2020 19:39

Instrument :

MSVOA_X

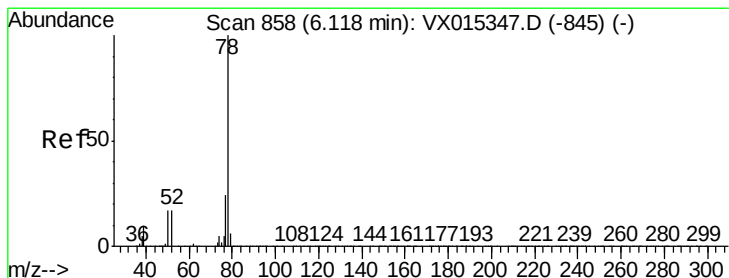
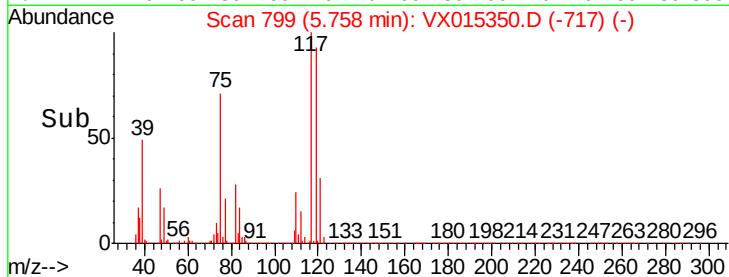
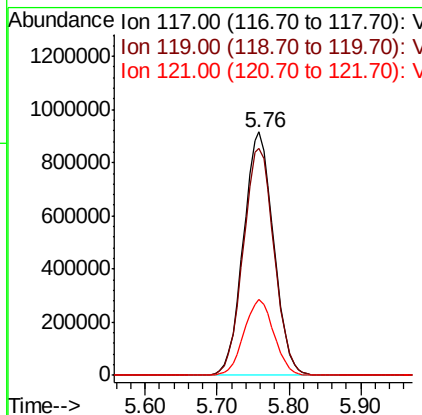
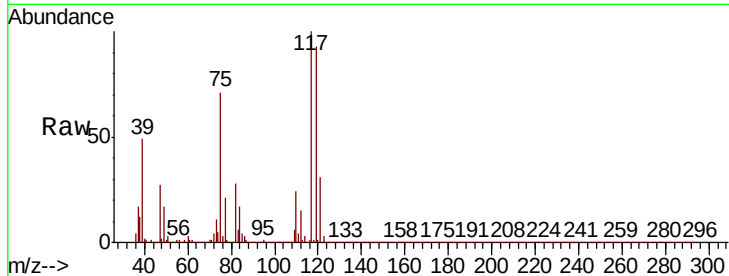
ClientSampleId :

VSTDIC150

Tot Ion:	117	Resp:	2657816
Ion	Ratio	Lower	Upper
117	100		
119	93.1	76.6	114.8
121	31.2	25.0	37.4

Manual Integrations
APPROVED

apatel
3/26/2020 11:01:22 AM



#34

Benzene

Concen: 140.796 ug/l

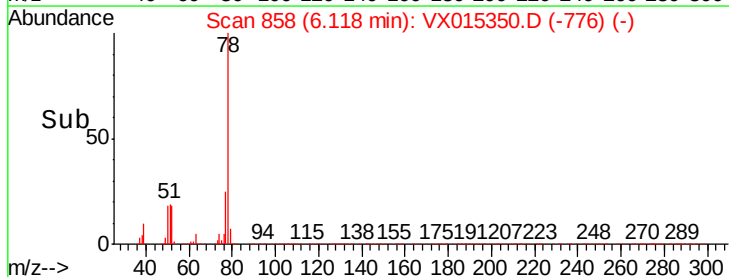
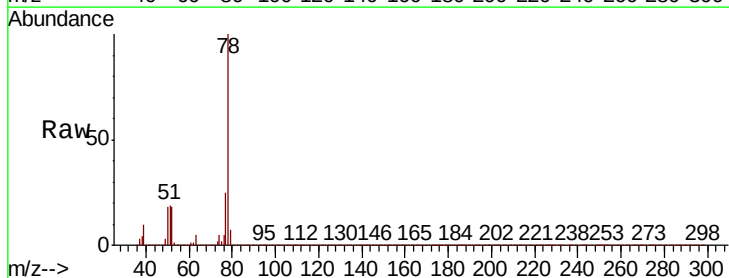
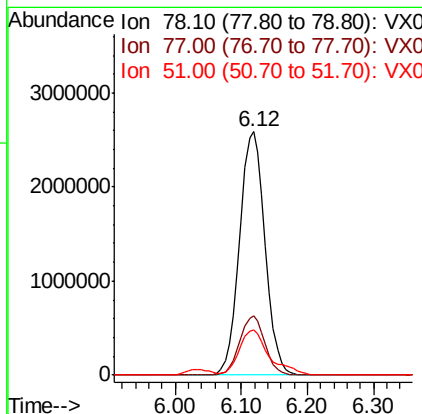
RT: 6.12 min Scan# 858

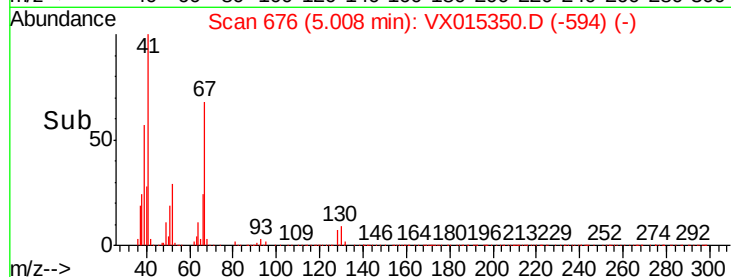
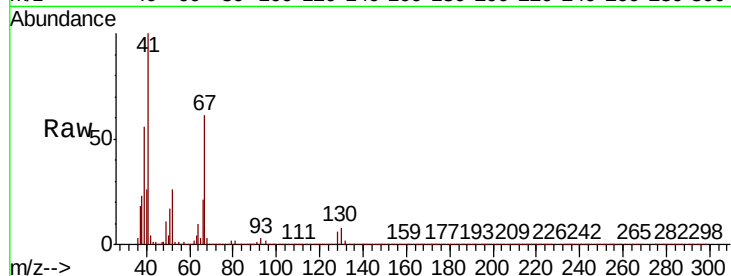
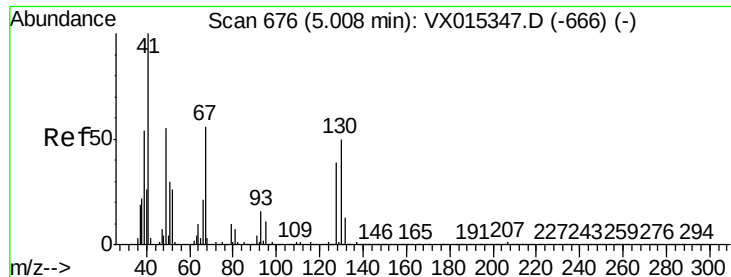
Delta R.T. 0.00 min

Lab File: VX015350.D

Acq: 25 Mar 2020 19:39

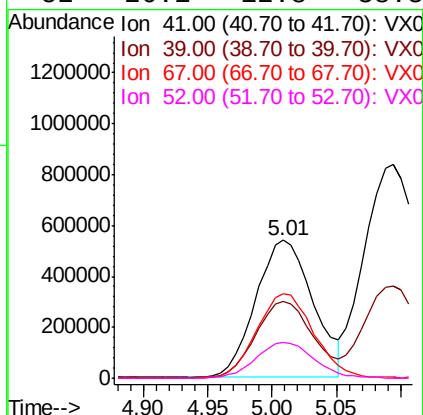
Tgt Ion:	78	Resp:	6874517
Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.4	29.2
51	18.8	14.6	21.8





#35
Methacrylonitrile
Concen: 169.066 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

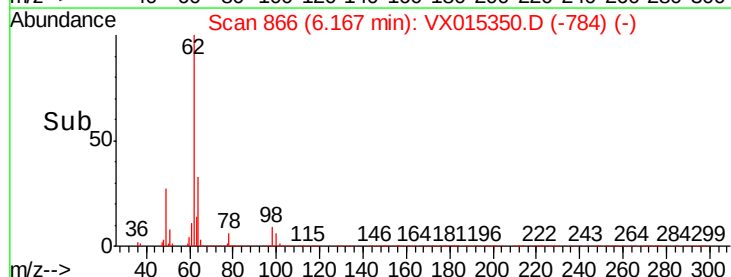
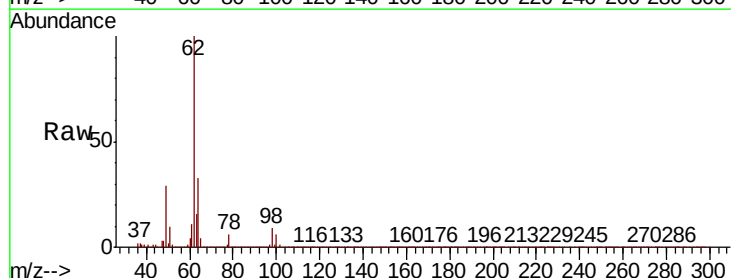
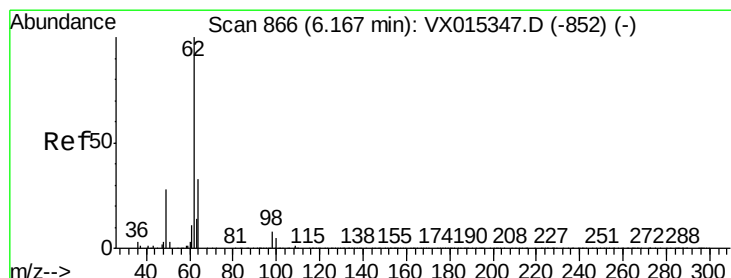
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.7	27.0	81.0	
67	61.2	28.2	84.6	
52	26.1	12.8	38.3	



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

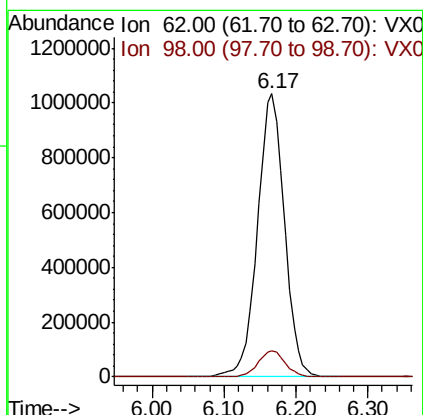
Manual Integrations
APPROVED

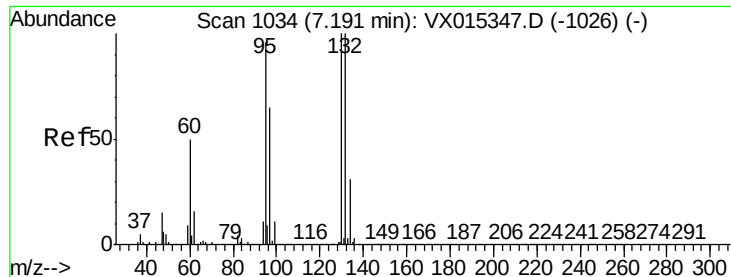
apatel
3/26/2020 11:01:22 AM



#36
1,2-Dichloroethane
Concen: 160.358 ug/l
RT: 6.17 min Scan# 866
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	6.9	10.3	





#37

Trichloroethene

Concen: 145.426 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VX015350.D

Acq: 25 Mar 2020 19:39

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion:130 Resp: 1985688

Ion Ratio Lower Upper

130 100

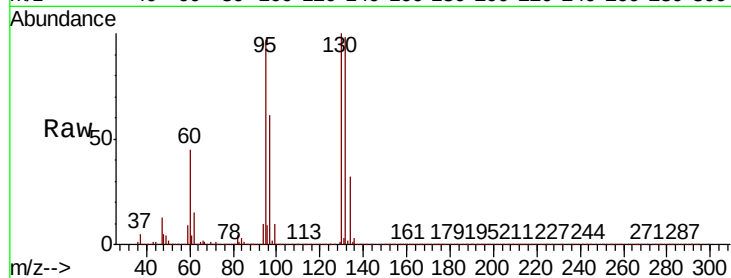
95 96.5 76.4 114.6

Manual Integrations

APPROVED

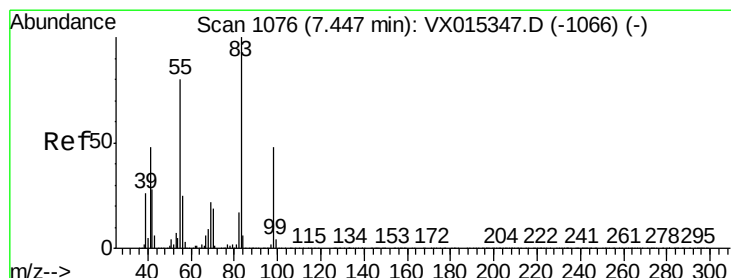
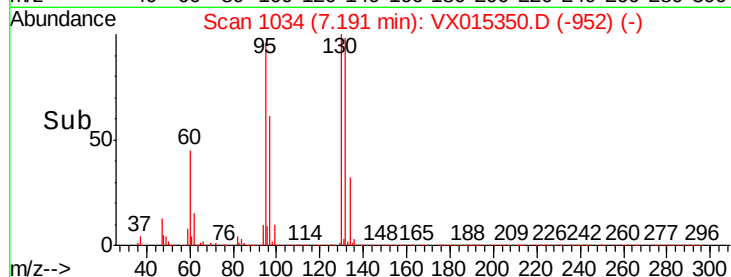
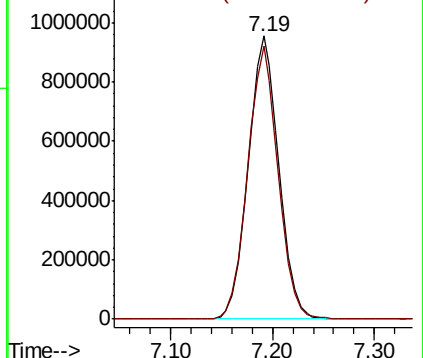
apatel

3/26/2020 11:01:22 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 148.205 ug/l

RT: 7.44 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VX015350.D

Acq: 25 Mar 2020 19:39

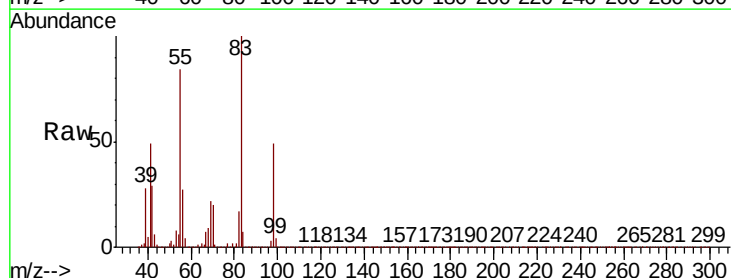
Tgt Ion: 83 Resp: 2978319

Ion Ratio Lower Upper

83 100

55 82.9 41.3 124.1

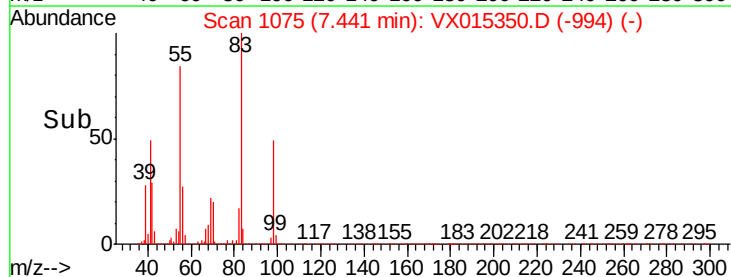
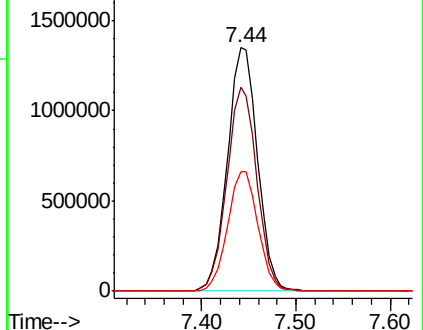
98 49.7 24.0 72.0

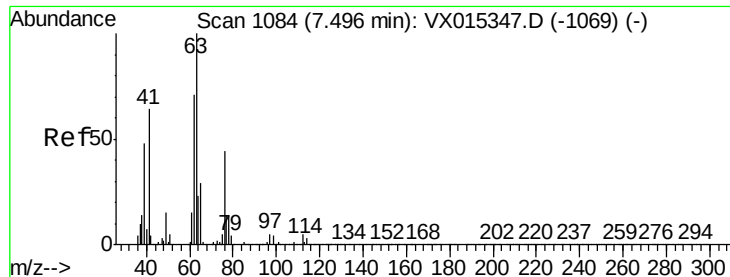


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





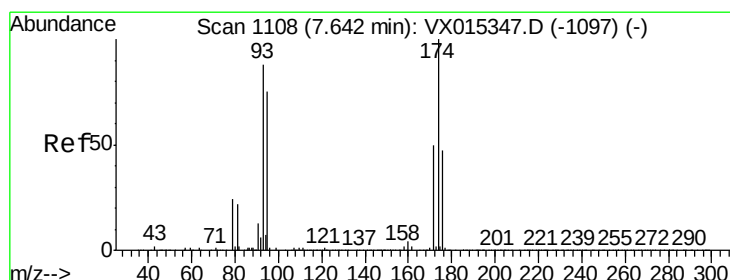
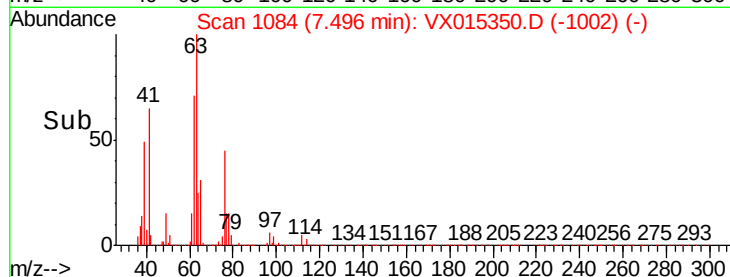
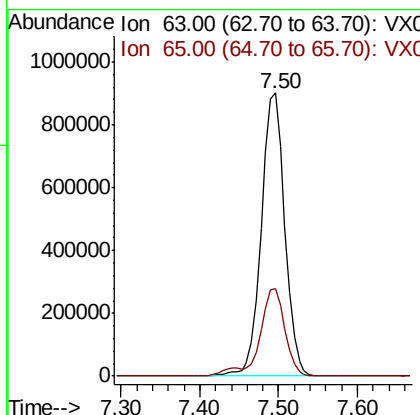
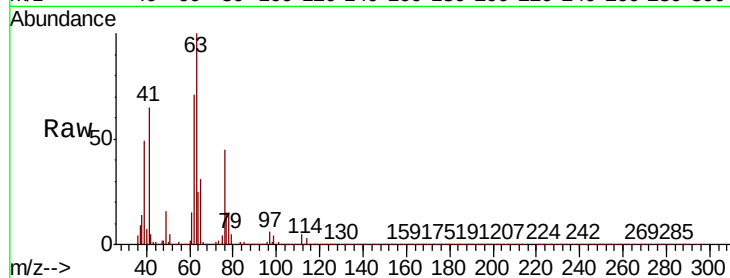
#39
 1,2-Dichloropropane
 Concen: 145.642 ug/l
 RT: 7.50 min Scan# 1084
 Delta R.T. 0.00 min
 Lab File: VX015350.D
 Acq: 25 Mar 2020 19:39

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion: 63 Resp: 1866507
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.0 34.4

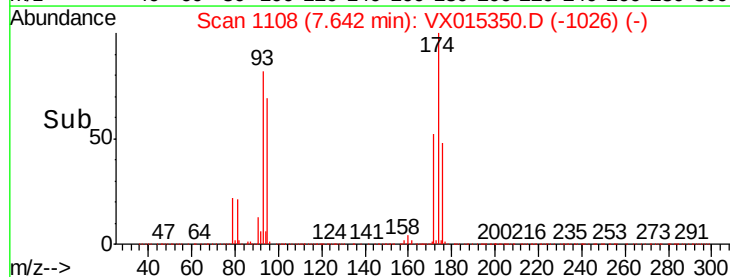
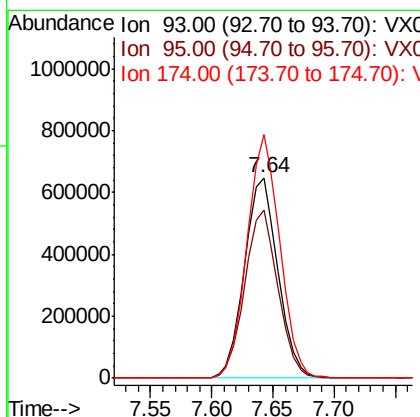
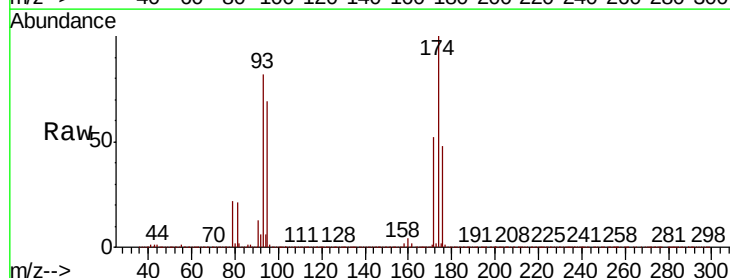
Manual Integrations
 APPROVED

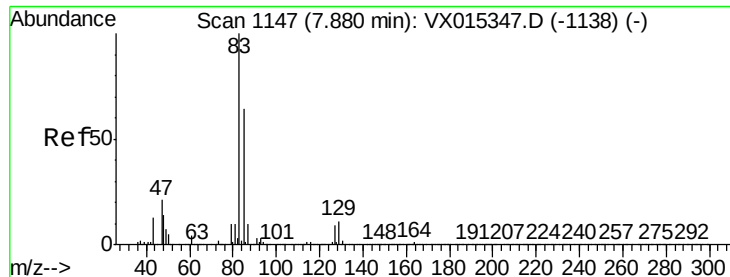
apatel
 3/26/2020 11:01:22 AM



#40
 Dibromomethane
 Concen: 150.563 ug/l
 RT: 7.64 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VX015350.D
 Acq: 25 Mar 2020 19:39

Tgt Ion: 93 Resp: 1233678
 Ion Ratio Lower Upper
 93 100
 95 83.0 0.0 166.4
 174 119.4 0.0 225.4





#41

Bromodichloromethane

Concen: 161.049 ug/l

RT: 7.88 min Scan# 1147

Delta R.T. 0.00 min

Lab File: VX015350.D

Acq: 25 Mar 2020 19:39

Instrument :

MSVOA_X

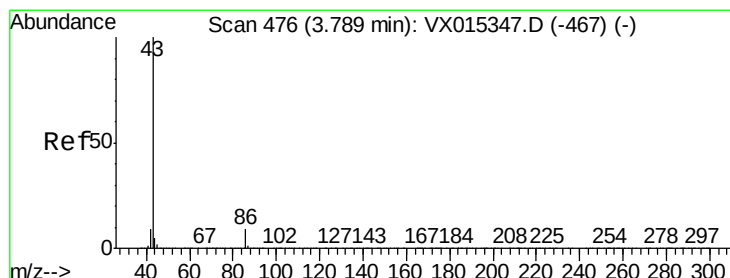
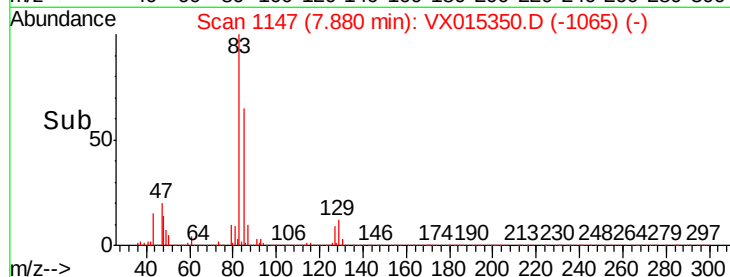
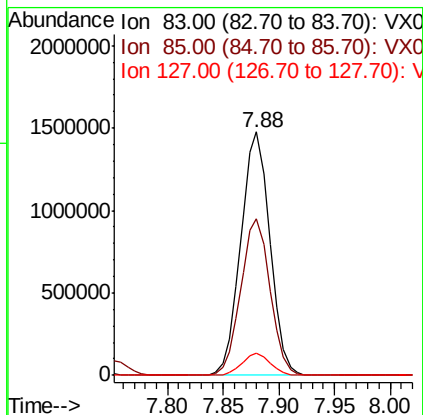
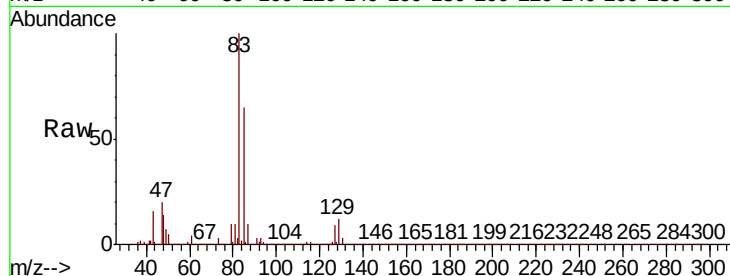
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	2677802
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.6	77.4
127	8.9	7.0	10.4

Manual Integrations
APPROVED

apatel
3/26/2020 11:01:22 AM



#42

Vinyl Acetate

Concen: 688.423 ug/l

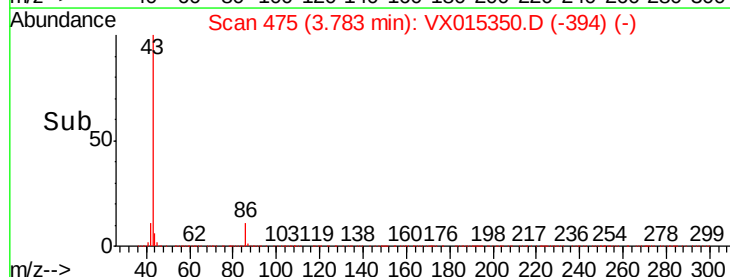
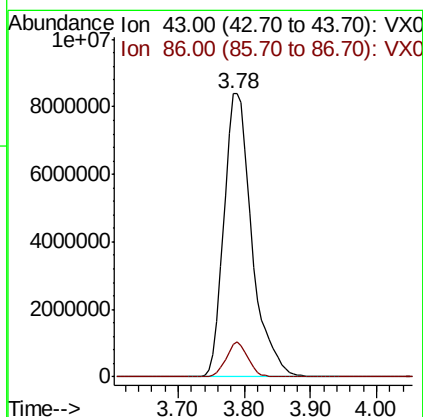
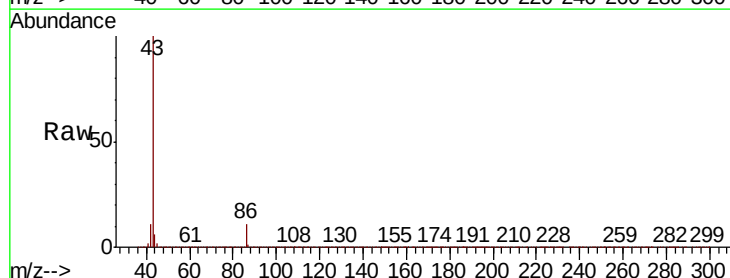
RT: 3.78 min Scan# 475

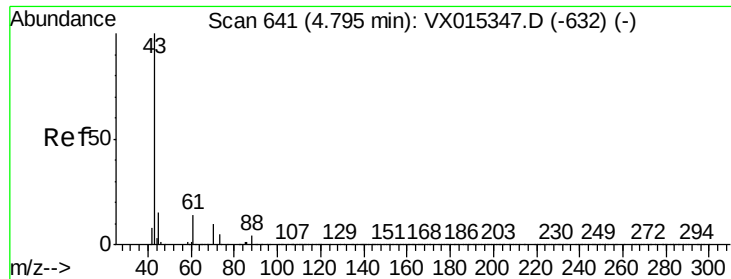
Delta R.T. -0.01 min

Lab File: VX015350.D

Acq: 25 Mar 2020 19:39

Tgt Ion:	43	Resp:	24494865
Ion	Ratio	Lower	Upper
43	100		
86	9.7	6.9	10.3





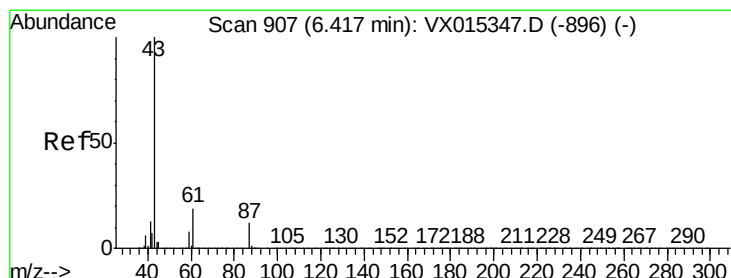
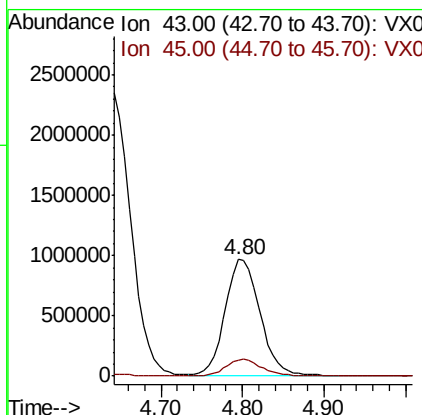
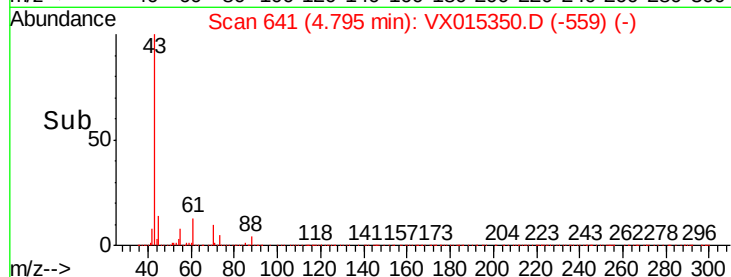
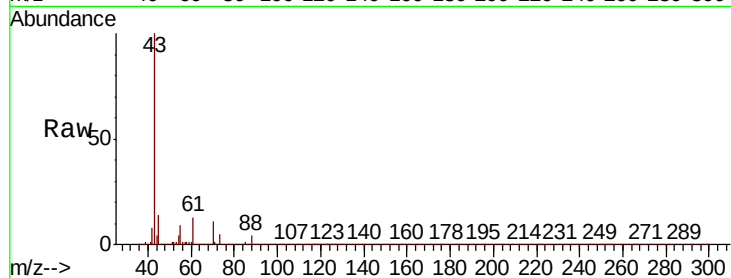
#43
Ethyl Acetate
Concen: 163.344 ug/l
RT: 4.80 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2824612
Ion Ratio Lower Upper
43 100
45 14.9 12.2 18.4

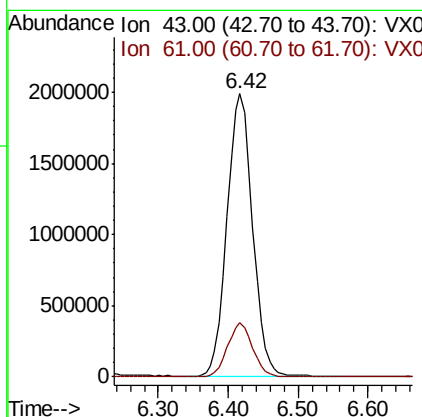
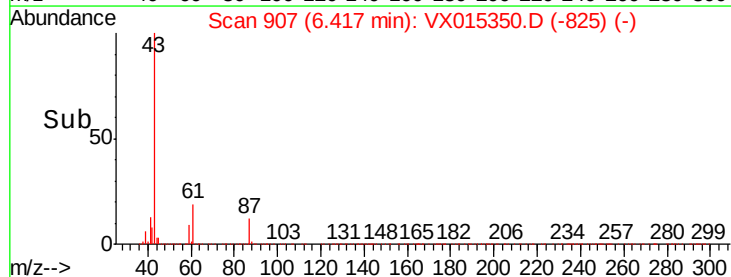
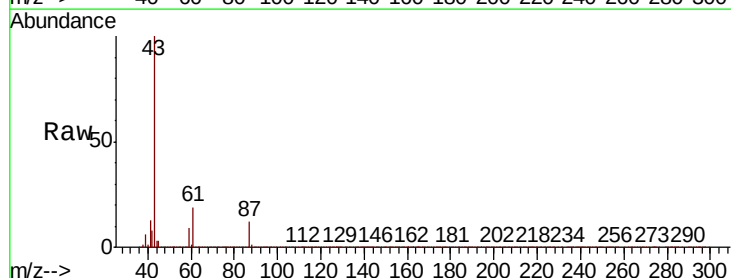
Manual Integrations
APPROVED

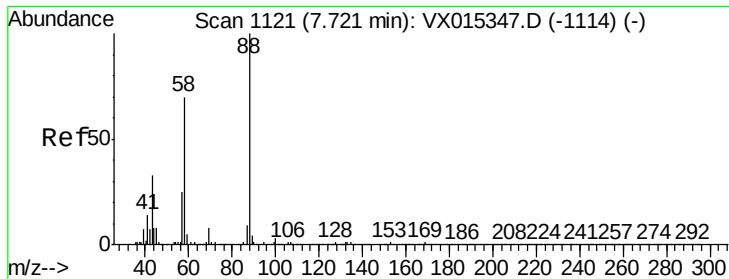
apatel
3/26/2020 11:01:22 AM



#44
Isopropyl Acetate
Concen: 171.418 ug/l
RT: 6.42 min Scan# 907
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Tgt Ion: 43 Resp: 5007111
Ion Ratio Lower Upper
43 100
61 18.8 14.6 22.0





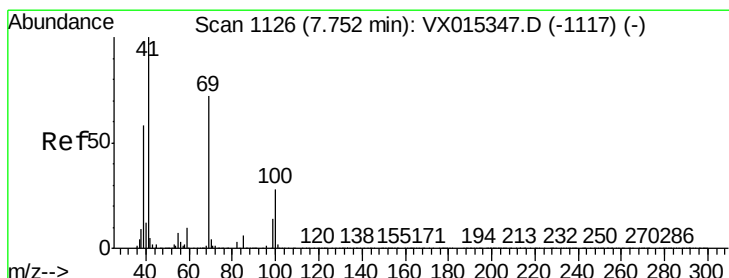
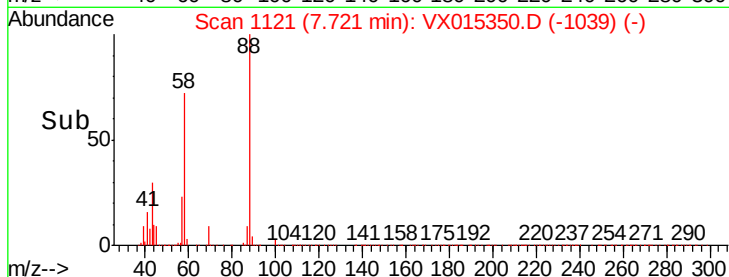
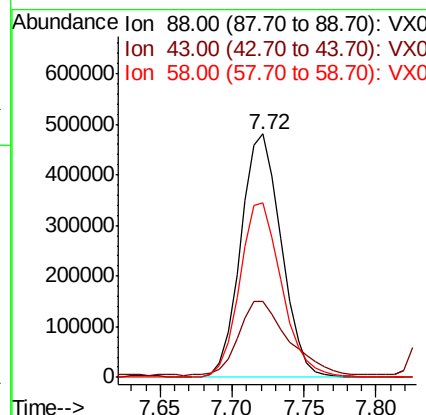
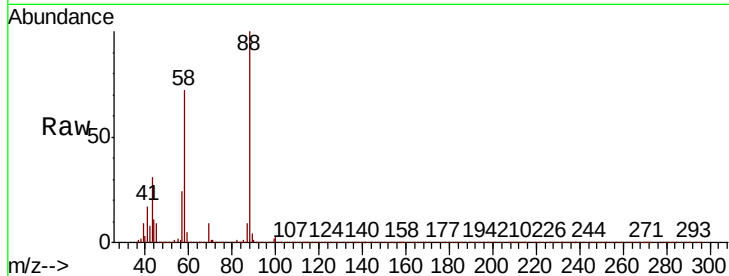
#45
1,4-Dioxane
Concen: 3248.514 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	32.1	48.1
58	74.4	59.4	89.0

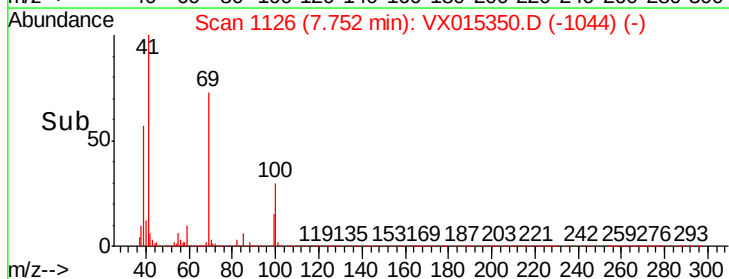
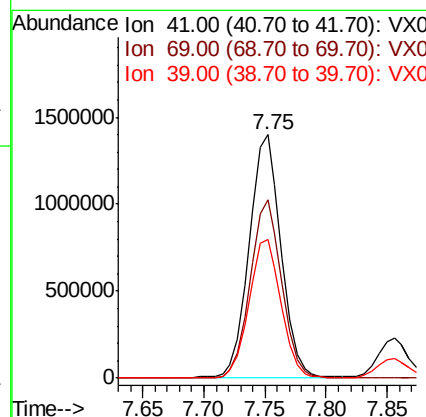
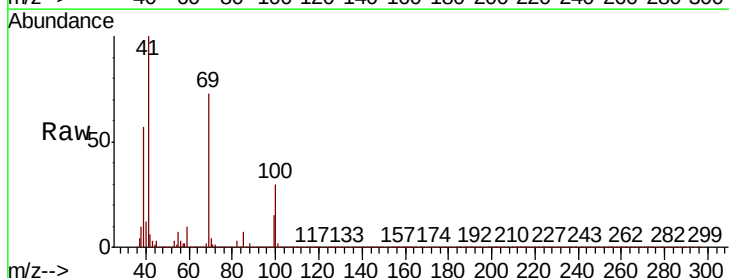
Manual Integrations
APPROVED

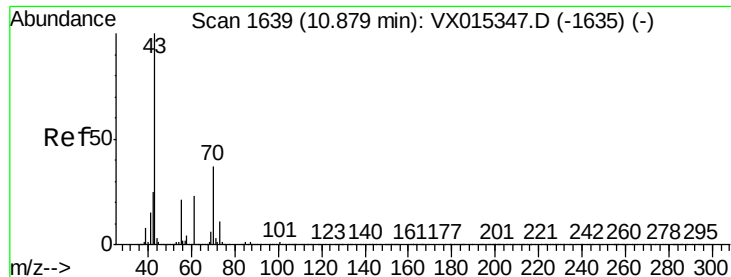
apatel
3/26/2020 11:01:22 AM



#46
Methyl methacrylate
Concen: 172.605 ug/l
RT: 7.75 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Tgt Ion	Ratio	Lower	Upper
41	100		
69	73.2	35.8	107.4
39	57.1	28.9	86.8





#47

n-amvl Acetate

Concen: 173.913 ug/l

RT: 10.89 min Scan# 1640

Delta R.T. 0.01 min

Lab File: VX015350.D

Acq: 25 Mar 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 4522219

Ion Ratio Lower Upper

43 100

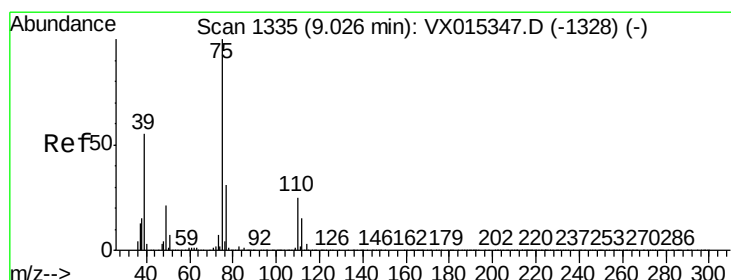
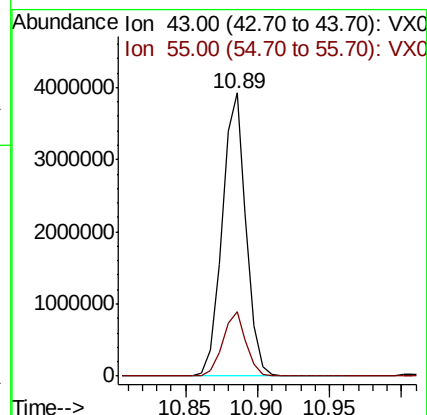
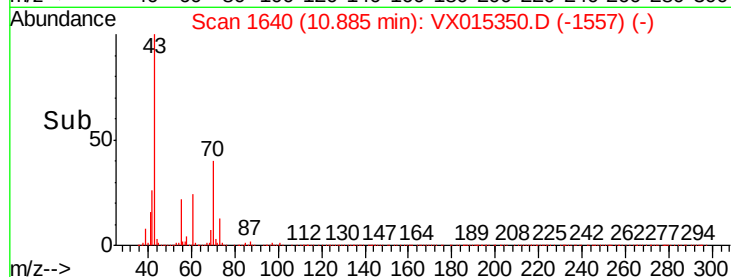
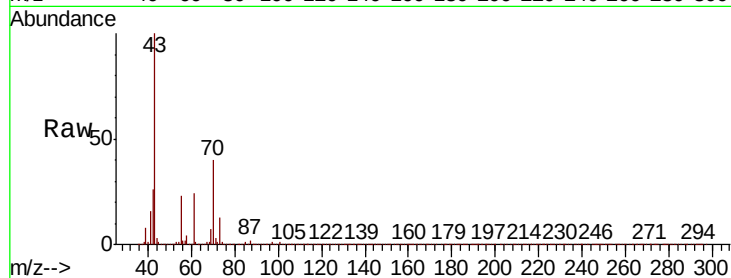
55 21.9 17.0 25.6

Manual Integrations

APPROVED

apatel

3/26/2020 11:01:22 AM



#48

t-1,3-Dichloropropene

Concen: 173.168 ug/l

RT: 9.03 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX015350.D

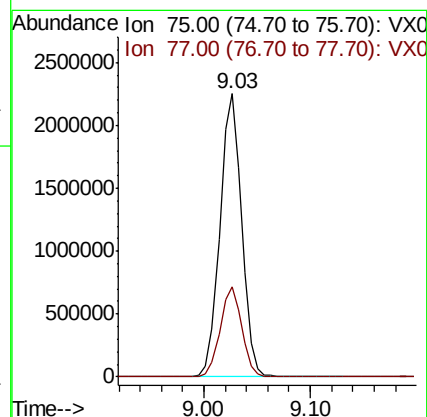
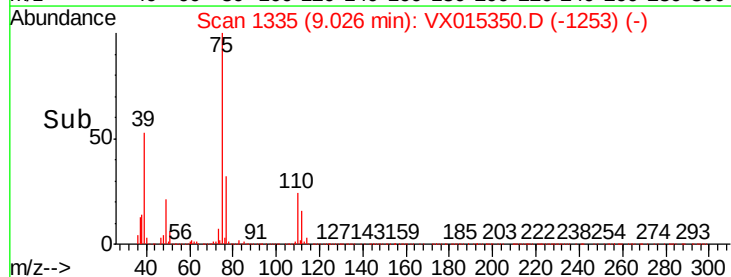
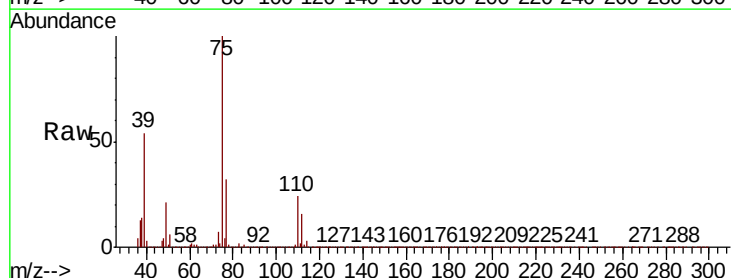
Acq: 25 Mar 2020 19:39

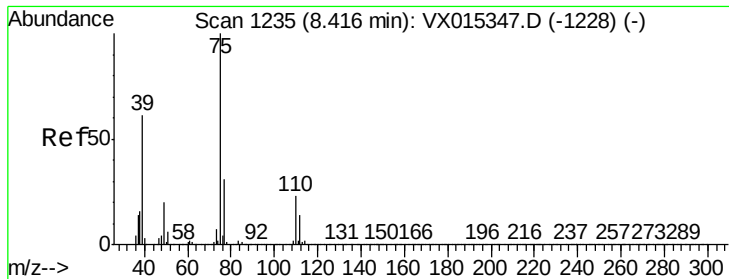
Tgt Ion: 75 Resp: 3172608

Ion Ratio Lower Upper

75 100

77 31.8 24.6 37.0





#49

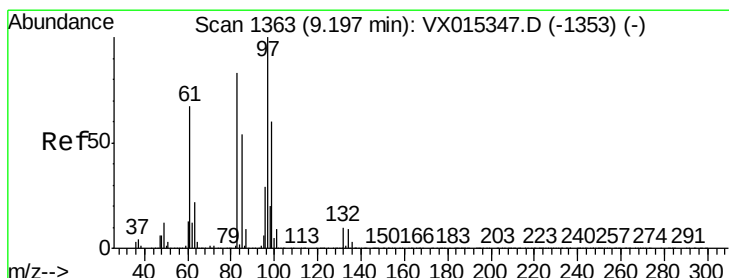
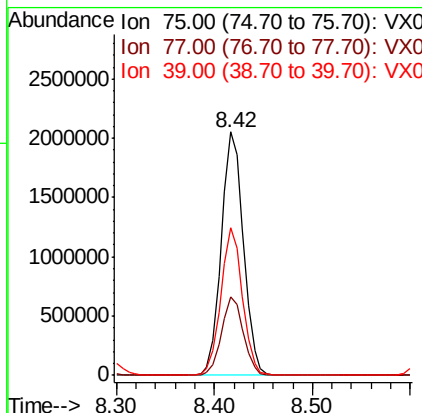
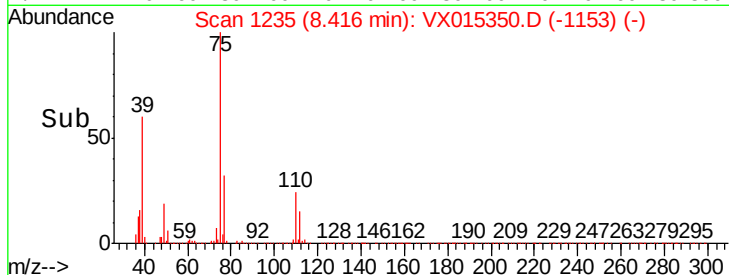
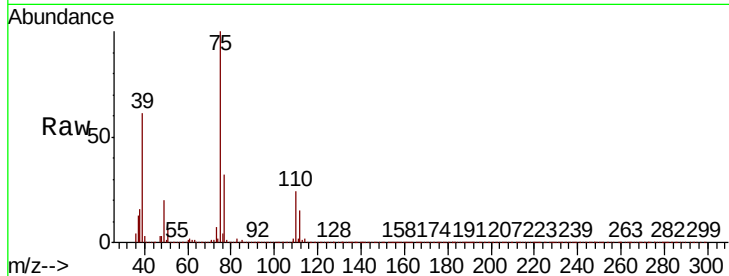
cis-1,3-Dichloropropene
Concen: 158.474 ug/l
RT: 8.42 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Instrument :
MSVOA_X
ClientSampleID :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.6	36.8
39	60.4	48.9	73.3

Manual Integrations
APPROVED

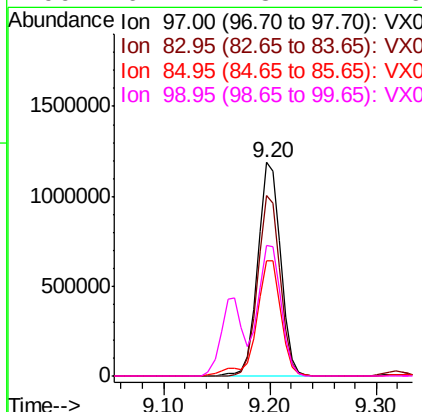
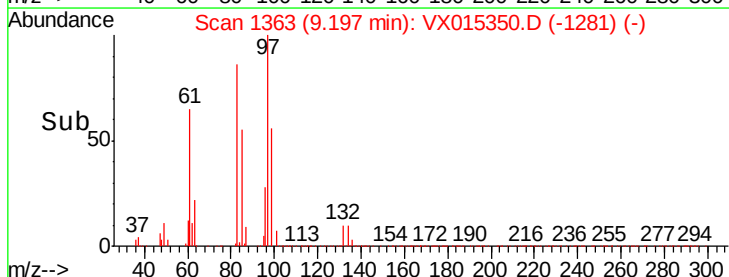
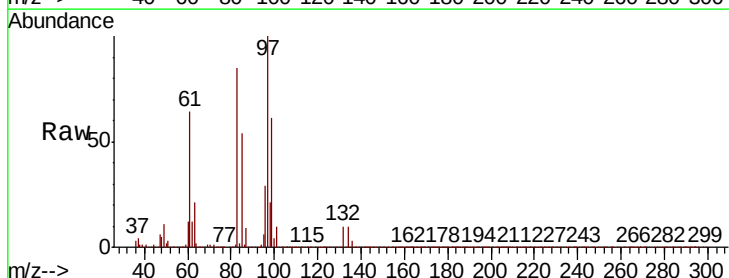
apatel
3/26/2020 11:01:22 AM

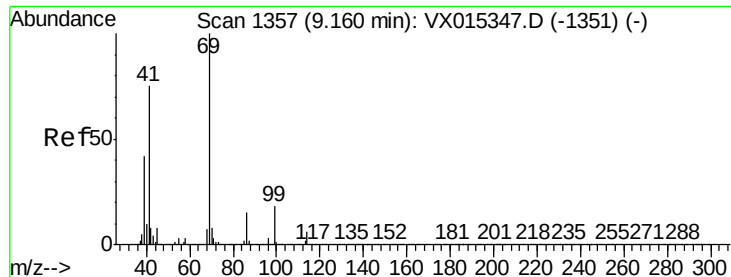


#50

1,1,2-Trichloroethane
Concen: 147.822 ug/l
RT: 9.20 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.6	66.8	100.2
85	54.1	43.3	64.9
99	61.4	48.4	72.6





#51

Ethyl methacrylate

Concen: 162.863 ug/l

RT: 9.16 min Scan# 1357

Delta R.T. 0.00 min

Lab File: VX015350.D

Acq: 25 Mar 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 69 Resp: 3125242

Ion Ratio Lower Upper

69 100

41 77.8 37.4 112.2

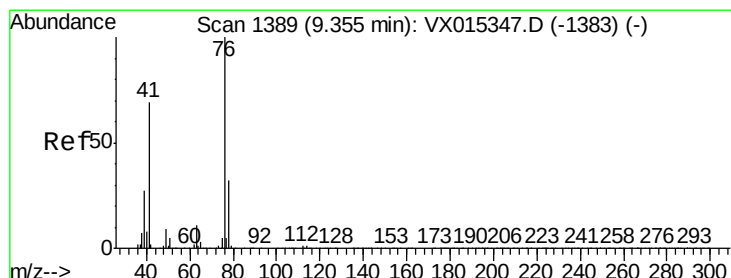
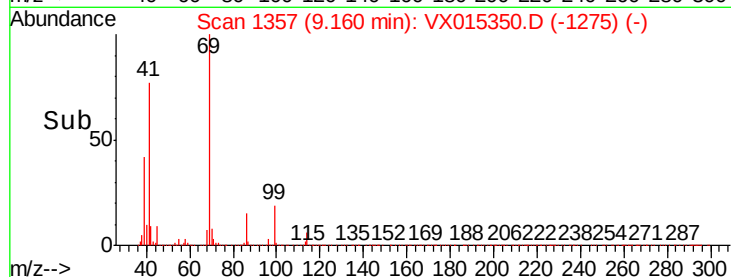
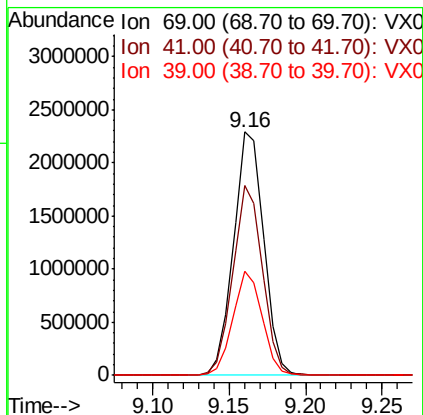
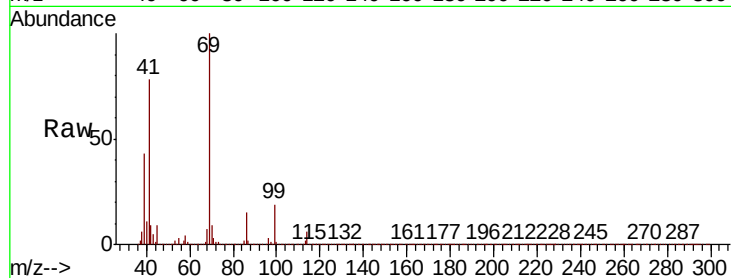
39 42.5 21.1 63.1

Manual Integrations

APPROVED

apatel

3/26/2020 11:01:22 AM



#52

1,3-Dichloropropane

Concen: 149.607 ug/l

RT: 9.36 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VX015350.D

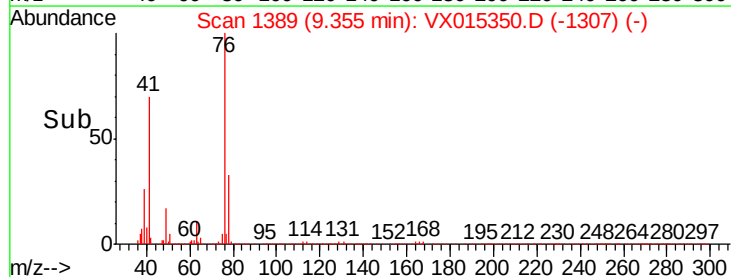
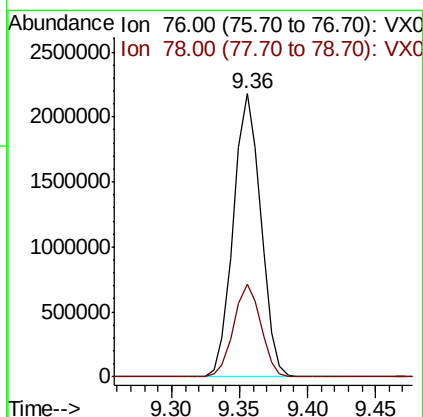
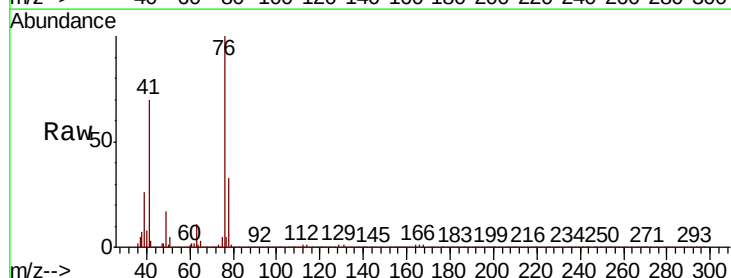
Acq: 25 Mar 2020 19:39

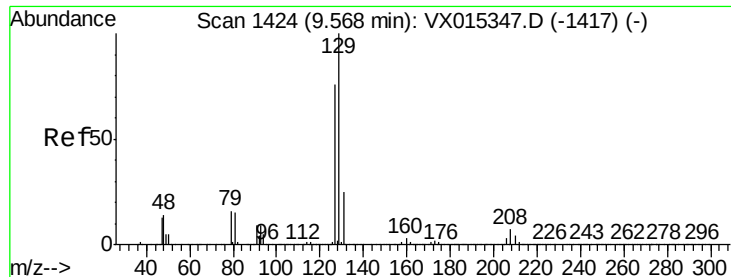
Tgt Ion: 76 Resp: 3070020

Ion Ratio Lower Upper

76 100

78 32.3 0.0 63.2





#53

Dibromochloromethane

Concen: 169.425 ug/l

RT: 9.57 min Scan# 1424

Delta R.T. 0.00 min

Lab File: VX015350.D

Acq: 25 Mar 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:129 Resp: 2249320

Ion Ratio Lower Upper

129 100

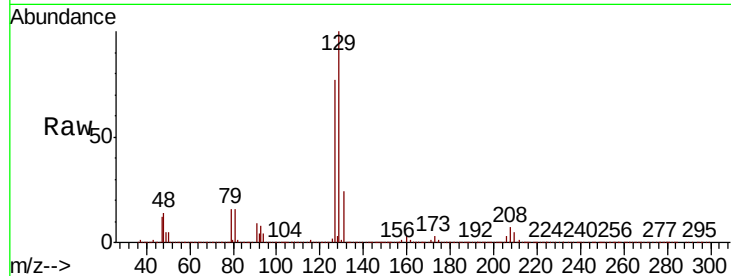
127 77.0 38.6 115.7

Manual Integrations

APPROVED

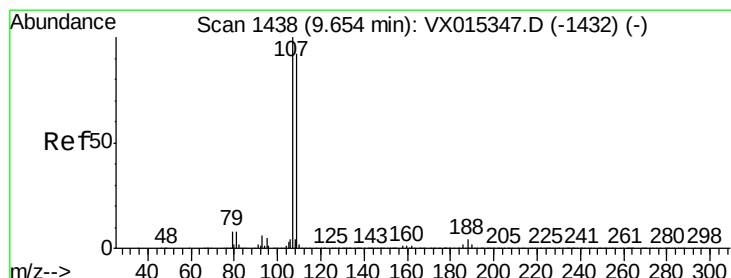
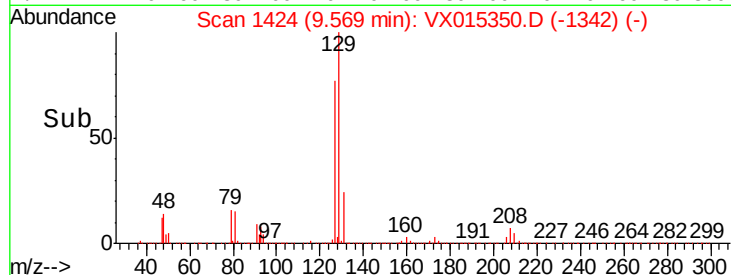
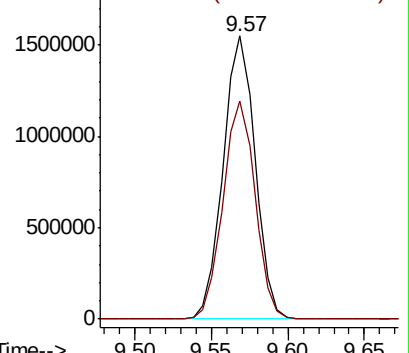
apatel

3/26/2020 11:01:22 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 154.962 ug/l

RT: 9.66 min Scan# 1439

Delta R.T. 0.01 min

Lab File: VX015350.D

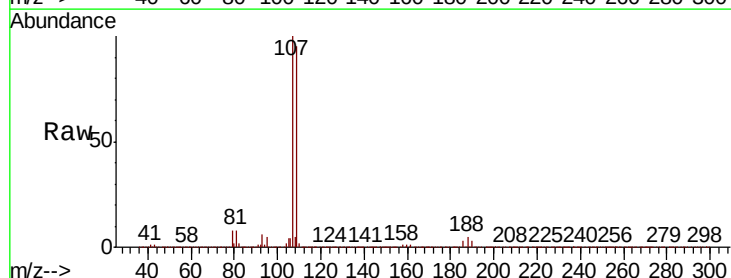
Acq: 25 Mar 2020 19:39

Tgt Ion:107 Resp: 1941682

Ion Ratio Lower Upper

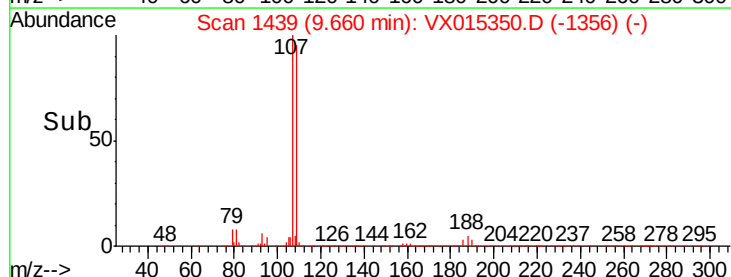
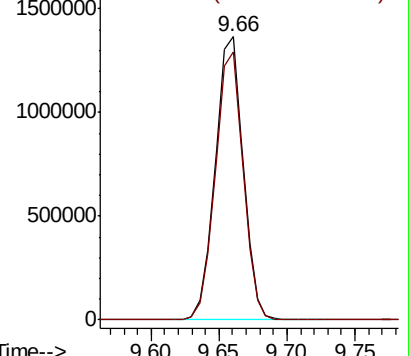
107 100

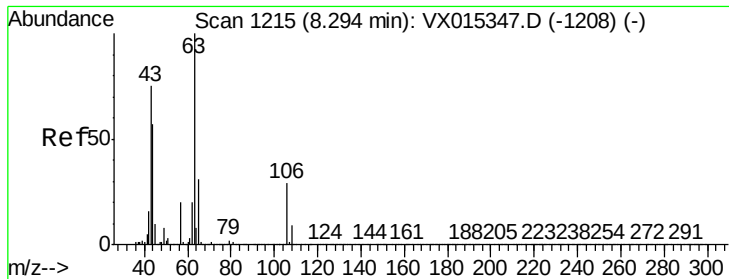
109 94.7 75.0 112.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





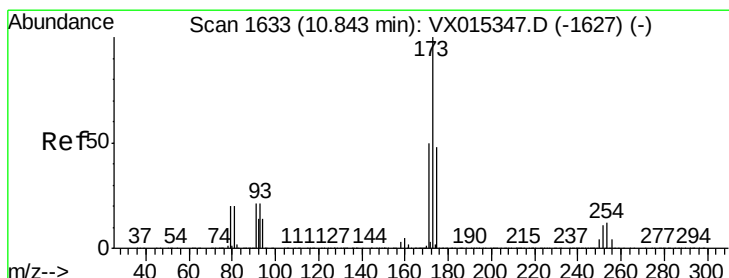
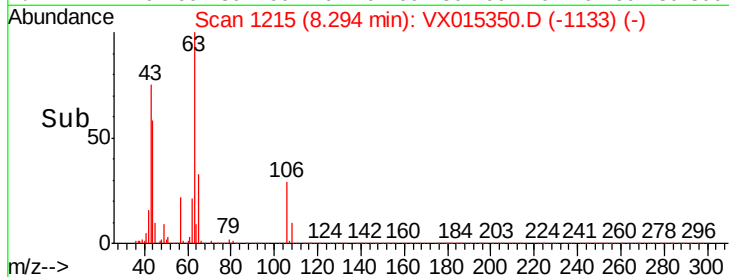
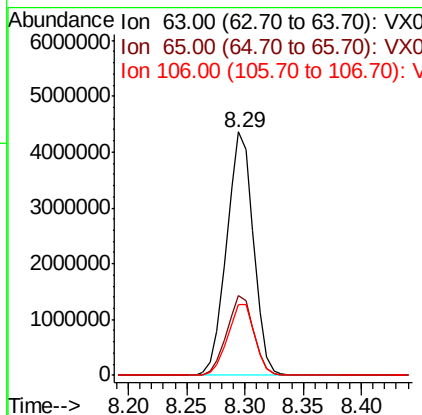
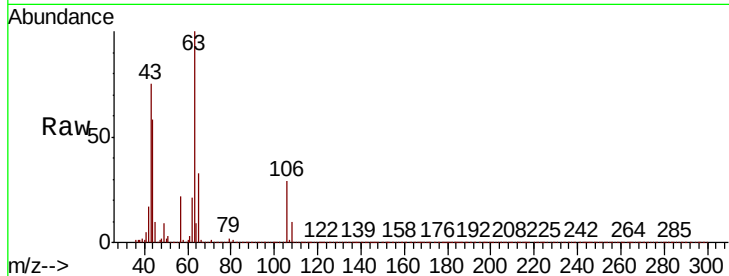
#55
2-Chloroethyl vinyl ether
Concen: 727.312 ug/l
RT: 8.29 min Scan# 1215
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.5	38.3
106	29.6	23.1	34.7

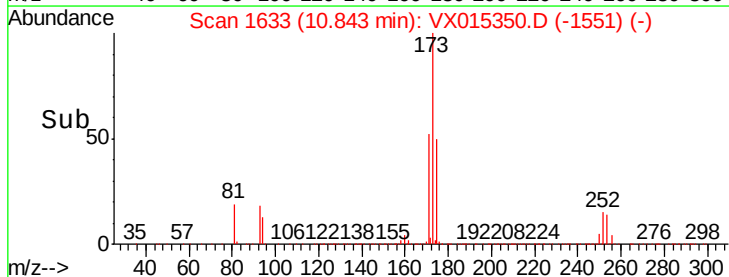
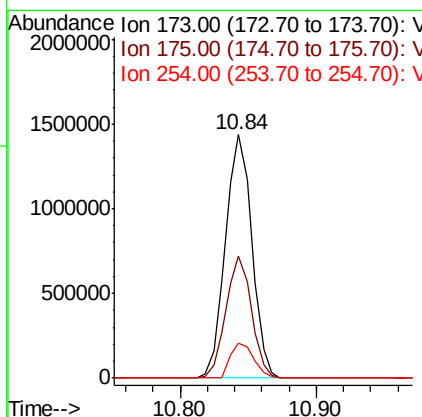
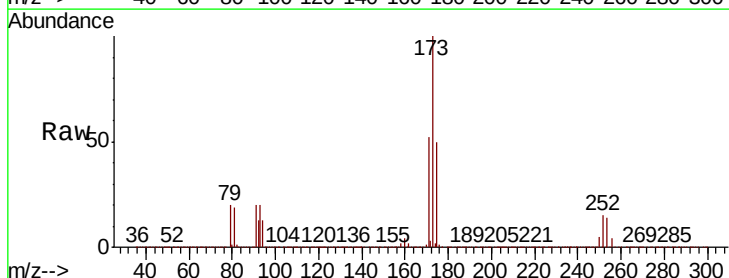
Manual Integrations
APPROVED

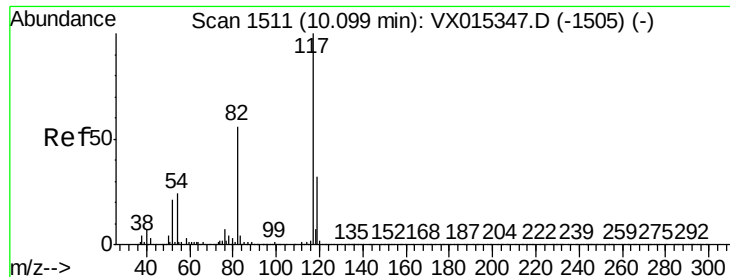
apatel
3/26/2020 11:01:22 AM



#56
Bromoform
Concen: 186.099 ug/l
RT: 10.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	39.0	58.4
254	12.7	9.4	14.2





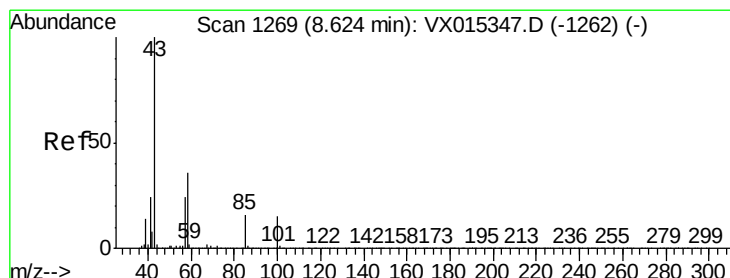
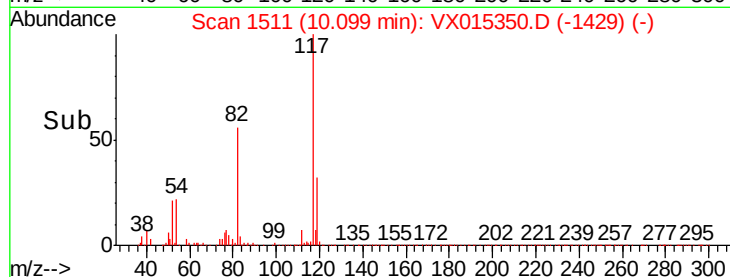
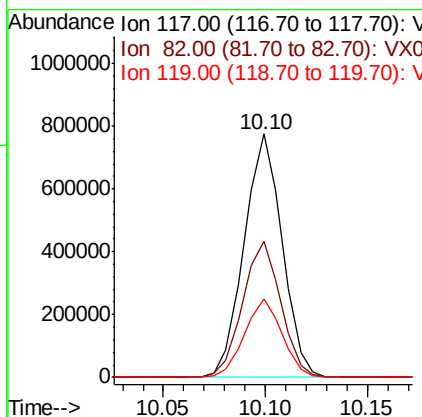
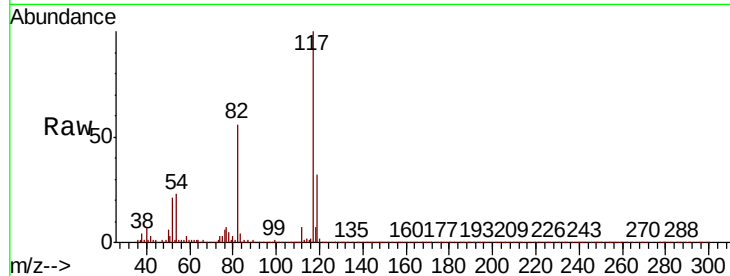
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.0	67.6
119	31.8	25.5	38.3

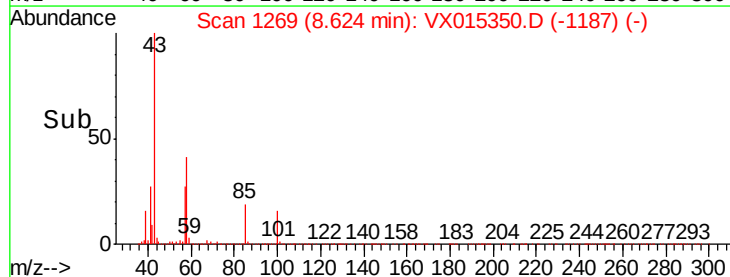
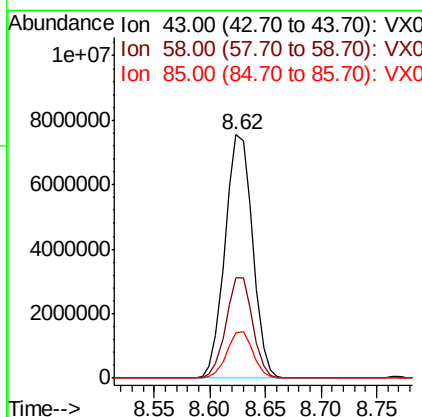
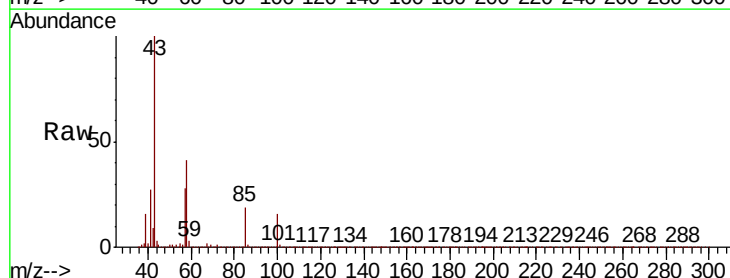
Manual Integrations
APPROVED

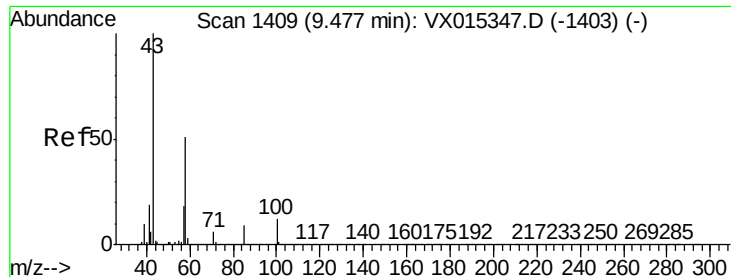
apatel
3/26/2020 11:01:22 AM



#58
4-Methyl-2-Pentanone
Concen: 727.736 ug/l
RT: 8.62 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.8	29.4	44.0
85	18.2	13.0	19.4





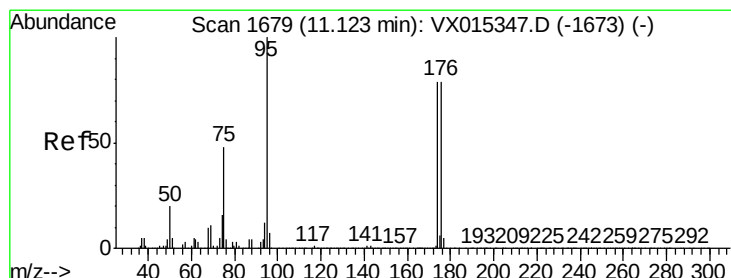
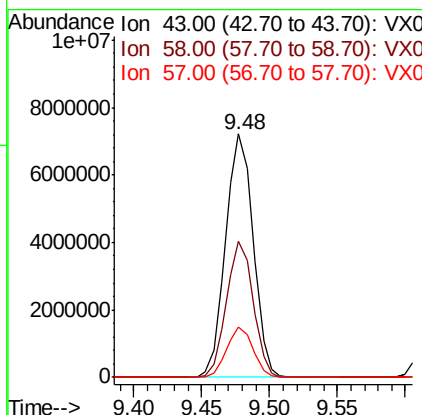
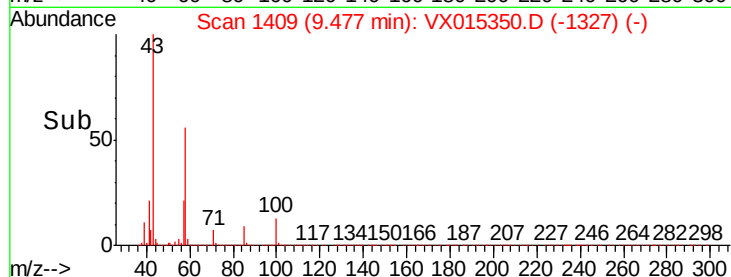
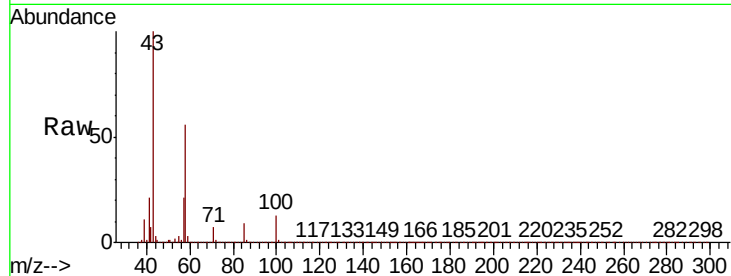
#59
2-Hexanone
Concen: 756.983 ug/l
RT: 9.48 min Scan# 1409
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 10157998
Ion Ratio Lower Upper
43 100
58 54.3 40.2 60.4
57 19.8 14.6 22.0

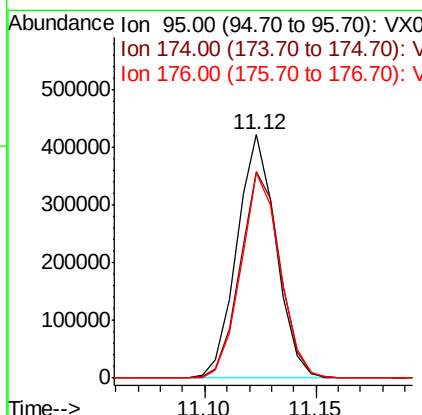
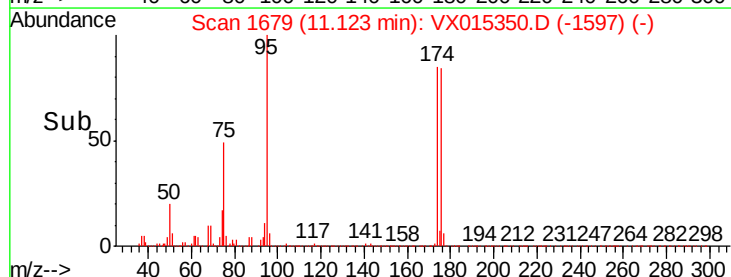
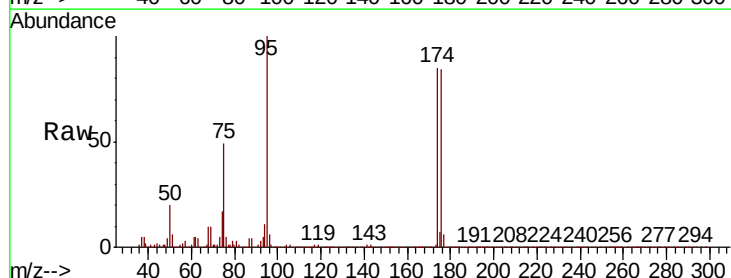
Manual Integrations
APPROVED

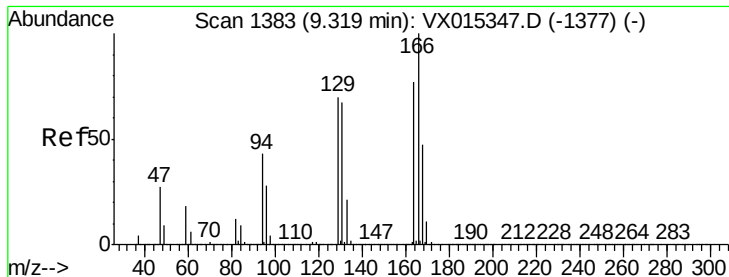
apatel
3/26/2020 11:01:22 AM



#60
4-Bromofluorobenzene
Concen: 31.597 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Tgt Ion: 95 Resp: 513693
Ion Ratio Lower Upper
95 100
174 87.2 66.4 99.6
176 84.7 64.1 96.1





#61

Tetrachloroethene

Concen: 138.096 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VX015350.D

Acq: 25 Mar 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 1905365

Ion Ratio Lower Upper

164 100

166 127.2 103.6 155.4

129 88.2 72.6 108.8

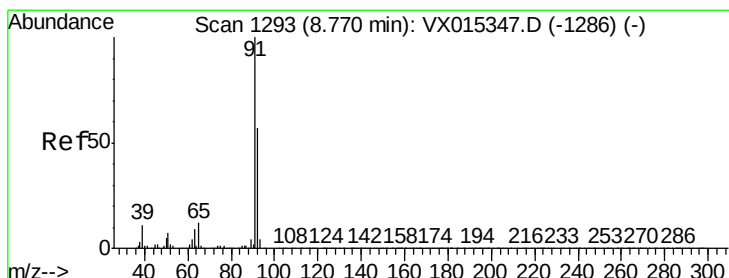
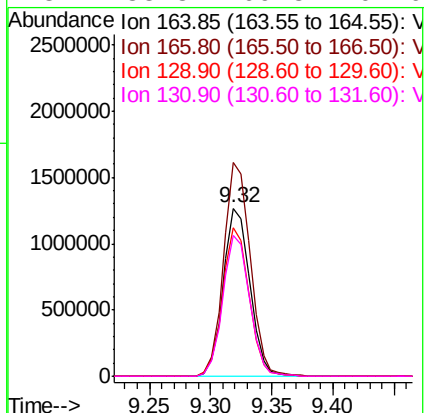
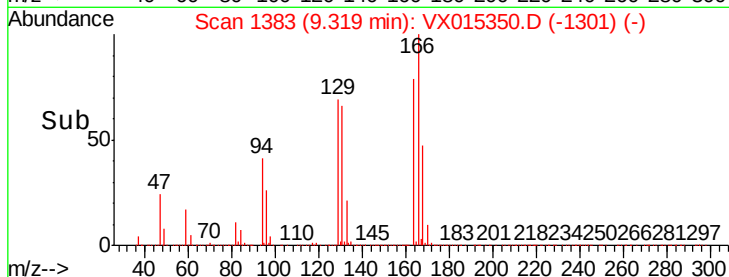
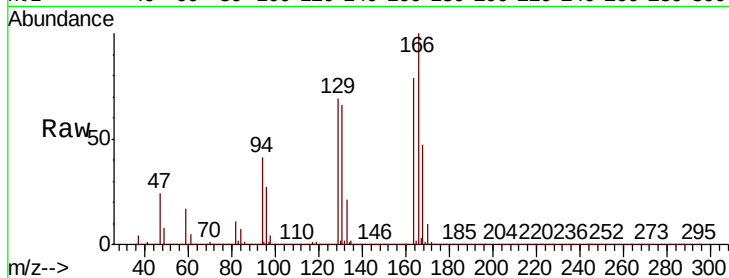
131 83.8 69.8 104.6

Manual Integrations

APPROVED

apatel

3/26/2020 11:01:22 AM



#62

Toluene

Concen: 137.275 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX015350.D

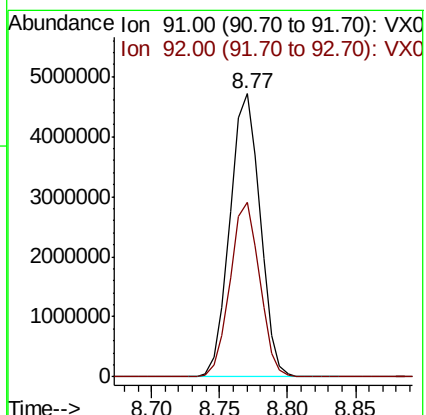
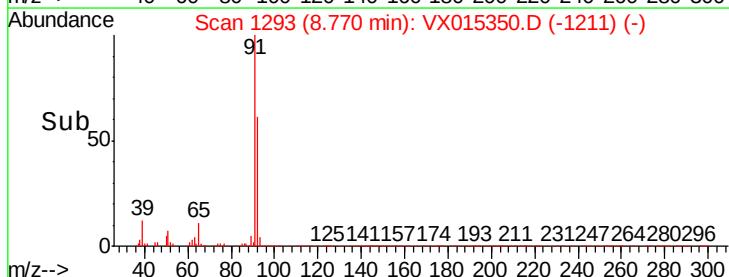
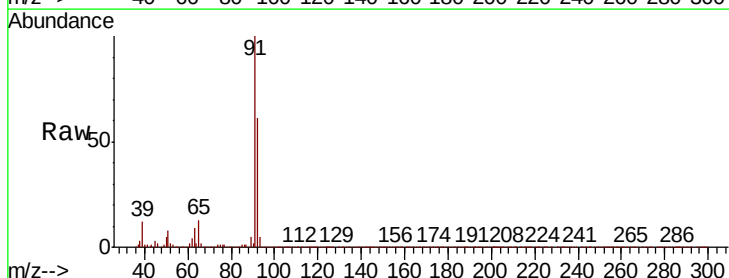
Acq: 25 Mar 2020 19:39

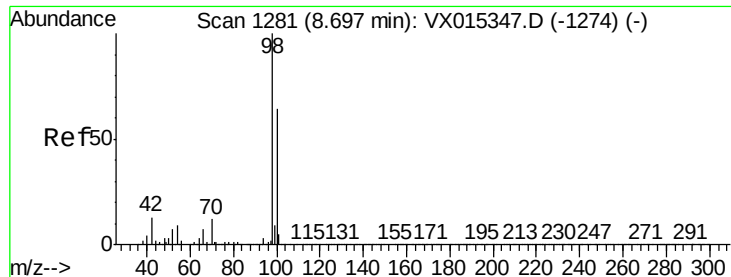
Tgt Ion: 91 Resp: 7295593

Ion Ratio Lower Upper

91 100

92 60.1 46.7 70.1





#63

Toluene-d8

Concen: 28.401 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015350.D

Acq: 25 Mar 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 98 Resp: 1232685

Ion Ratio Lower Upper

98 100

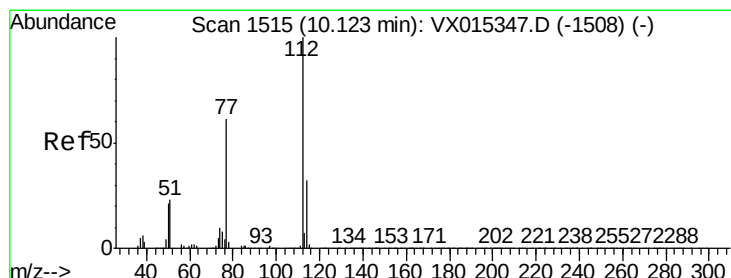
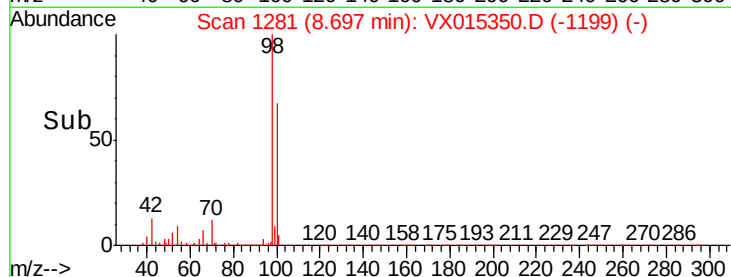
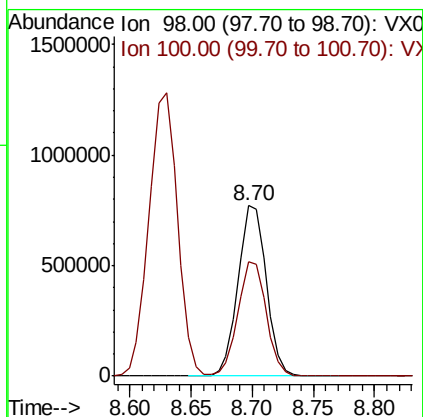
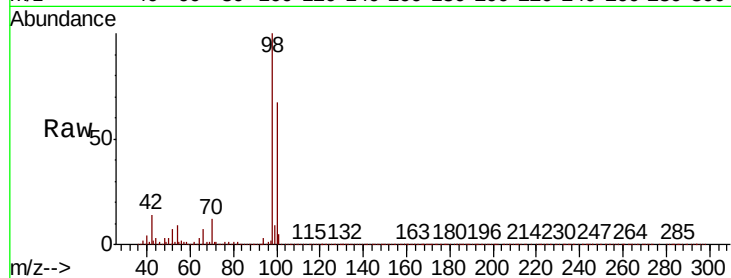
100 67.1 52.2 78.2

Manual Integrations

APPROVED

apatel

3/26/2020 11:01:22 AM



#64

Chlorobenzene

Concen: 144.799 ug/l

RT: 10.12 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VX015350.D

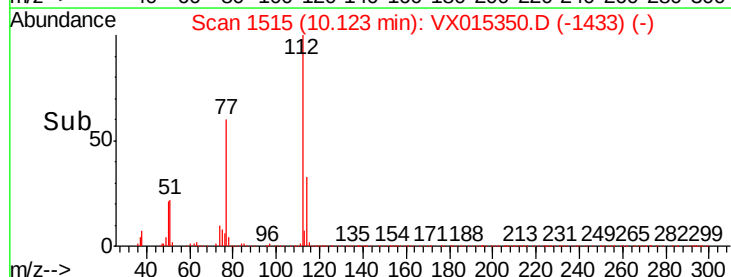
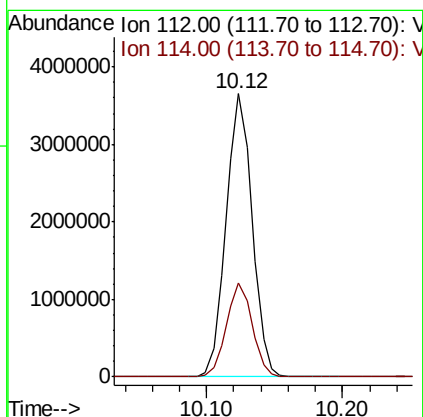
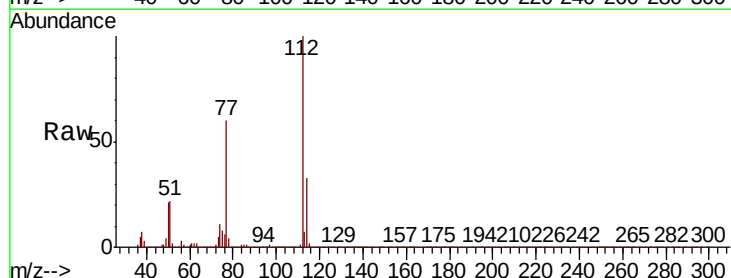
Acq: 25 Mar 2020 19:39

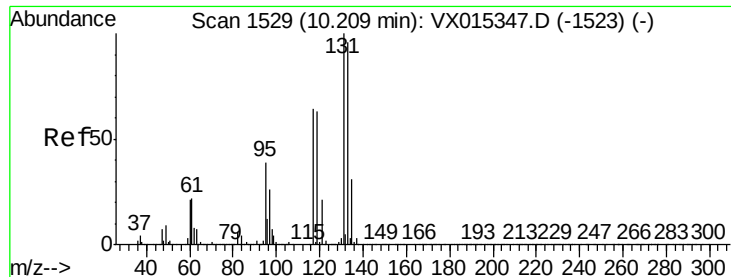
Tgt Ion: 112 Resp: 4857693

Ion Ratio Lower Upper

112 100

114 33.1 25.8 38.8





#65

1,1,1,2-Tetrachloroethane

Concen: 161.943 ug/l

RT: 10.21 min Scan# 1529

Delta R.T. 0.00 min

Lab File: VX015350.D

Acq: 25 Mar 2020 19:39

Instrument :

MSVOA_X

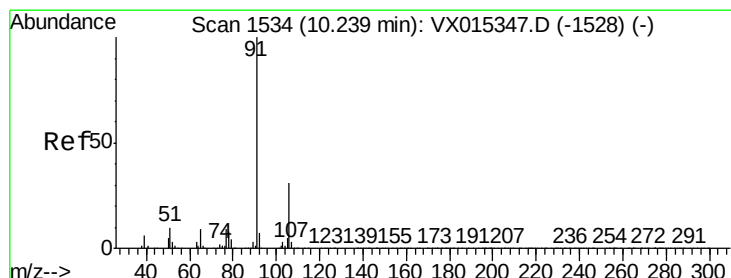
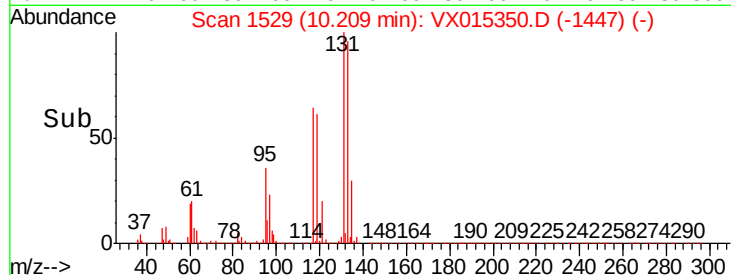
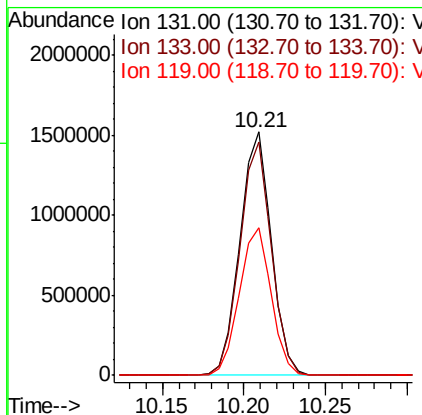
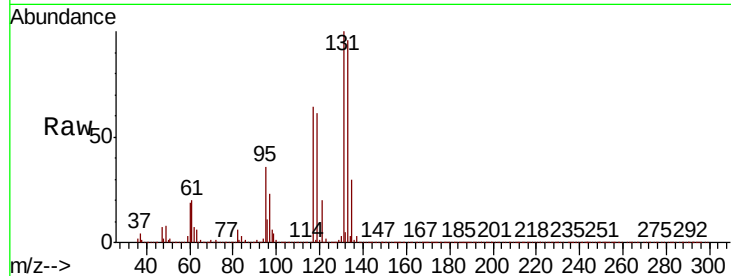
ClientSampleId :

VSTDIC150

Tot Ion:	131	Resp:	2039184
Ion	Ratio	Lower	Upper
131	100		
133	95.9	0.0	193.6
119	61.6	0.0	128.0

Manual Integrations
APPROVED

apatel
3/26/2020 11:01:22 AM



#66

Ethyl Benzene

Concen: 141.236 ug/l

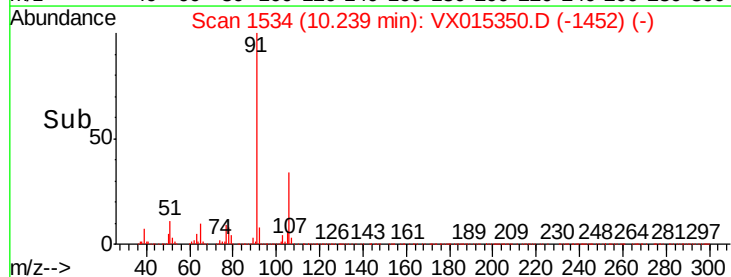
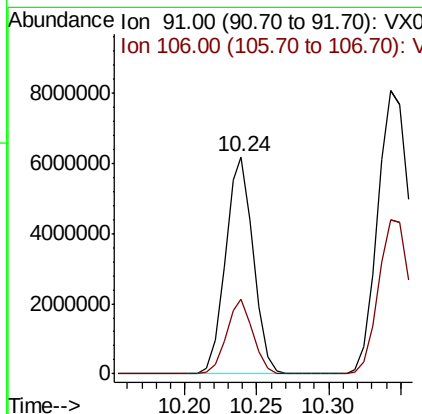
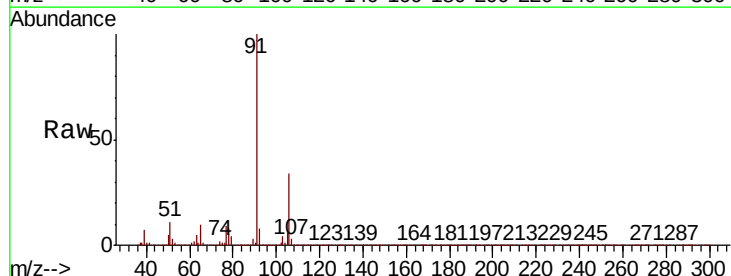
RT: 10.24 min Scan# 1534

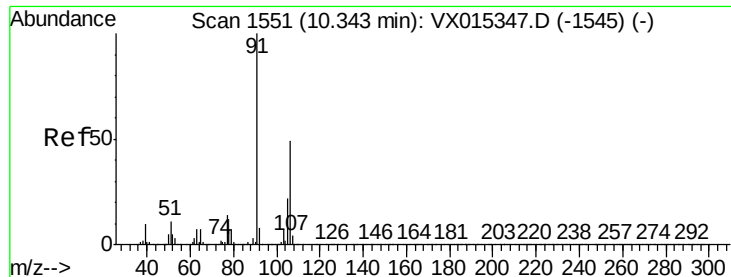
Delta R.T. 0.00 min

Lab File: VX015350.D

Acq: 25 Mar 2020 19:39

Tgt Ion:	91	Resp:	8345270
Ion	Ratio	Lower	Upper
91	100		
106	34.4	25.0	37.6





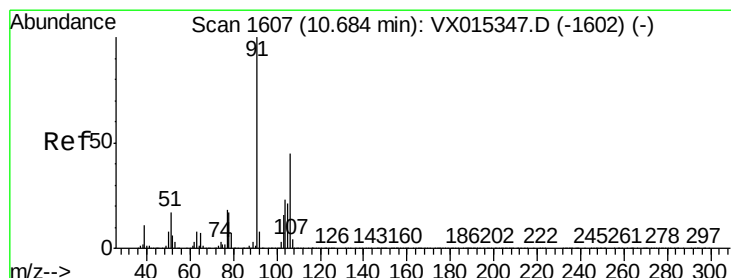
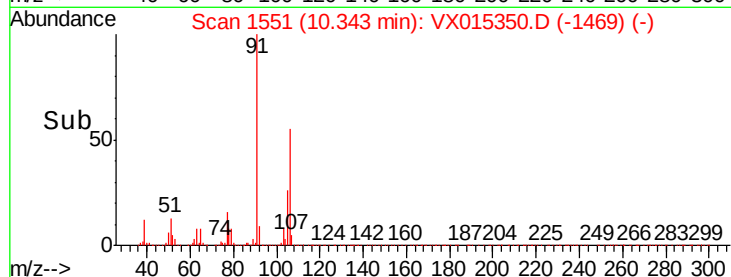
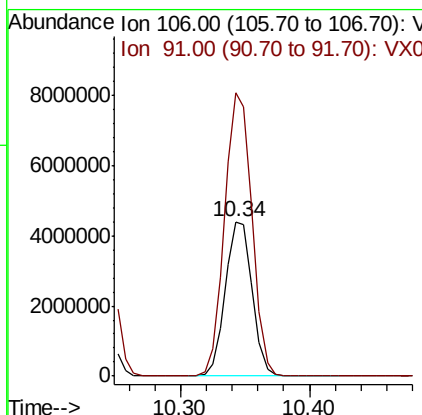
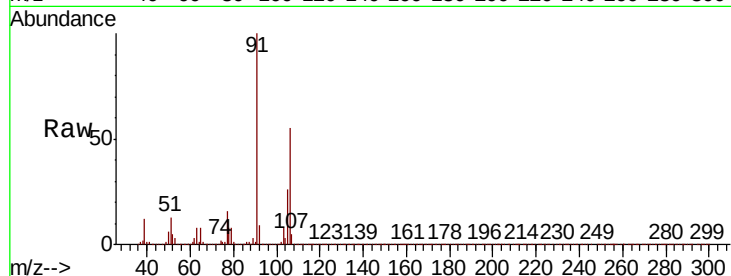
#67
m/p-Xylenes
Concen: 284.437 ug/l
RT: 10.34 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 6421288
Ion Ratio Lower Upper
106 100
91 186.9 165.0 247.4

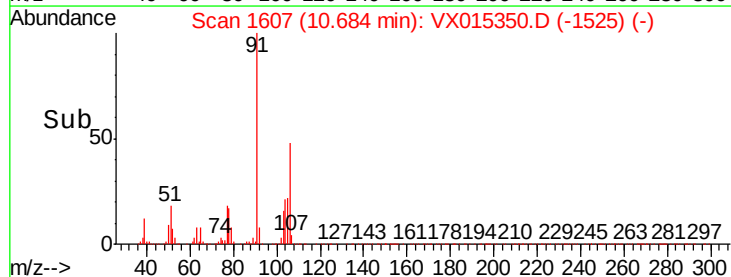
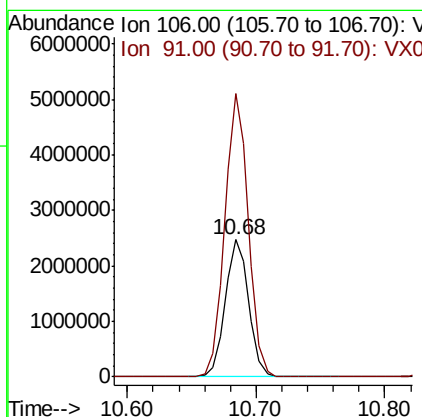
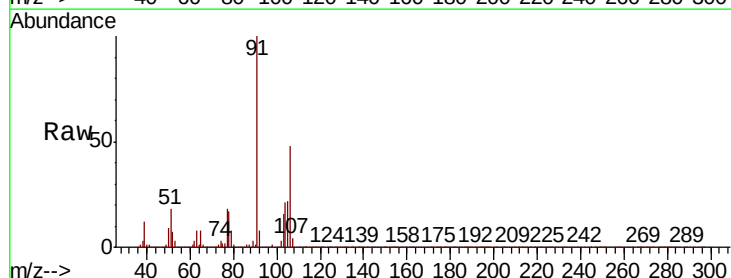
Manual Integrations
APPROVED

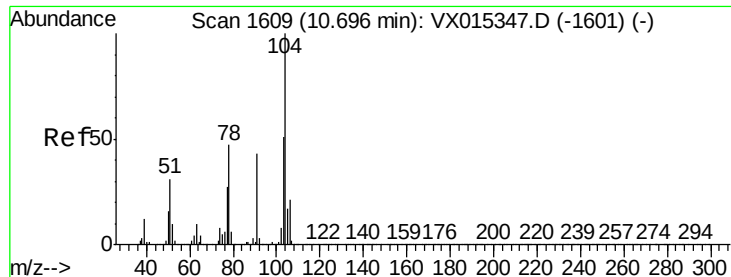
apatel
3/26/2020 11:01:22 AM



#68
o-Xylene
Concen: 145.324 ug/l
RT: 10.68 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Tgt Ion:106 Resp: 3162155
Ion Ratio Lower Upper
106 100
91 207.1 109.1 327.2





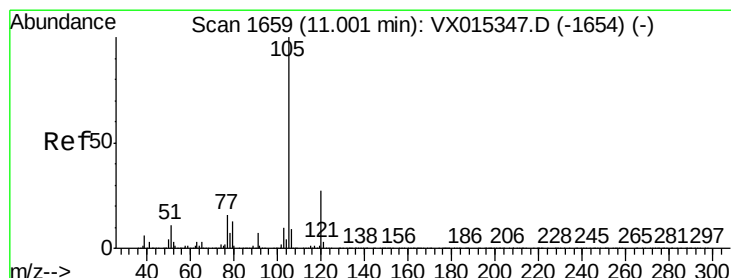
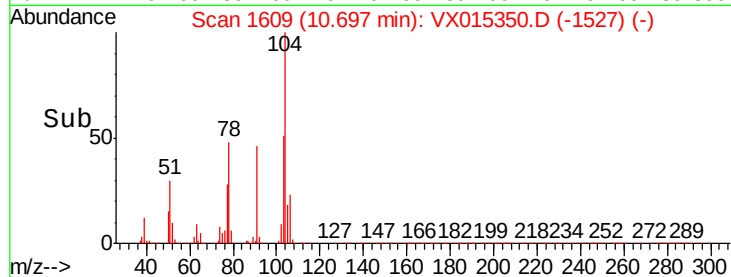
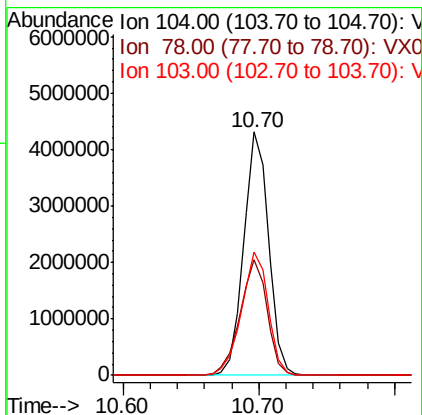
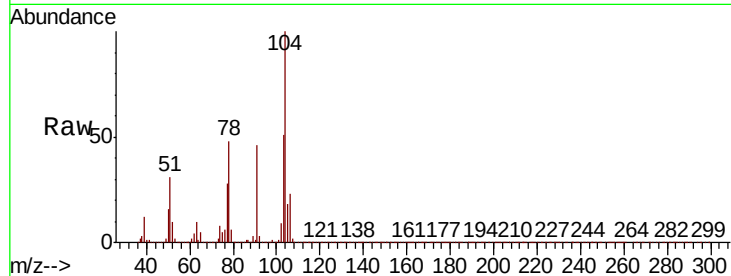
#69
Stvrene
Concen: 145.259 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.8	41.5	62.3
103	54.6	43.4	65.2

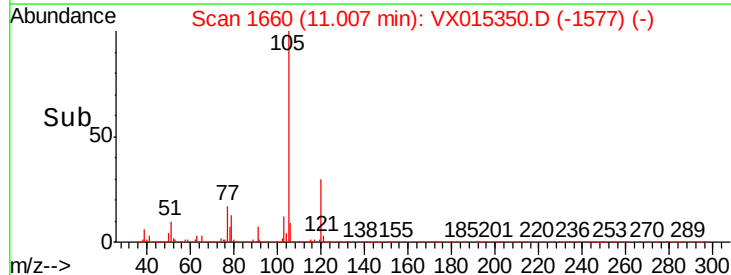
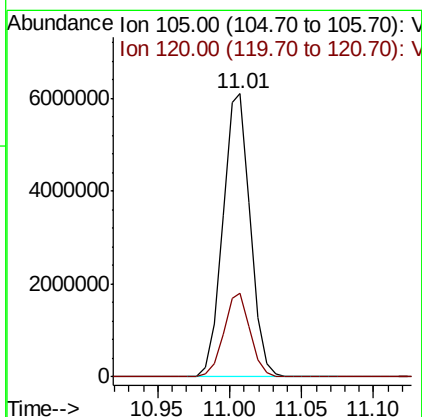
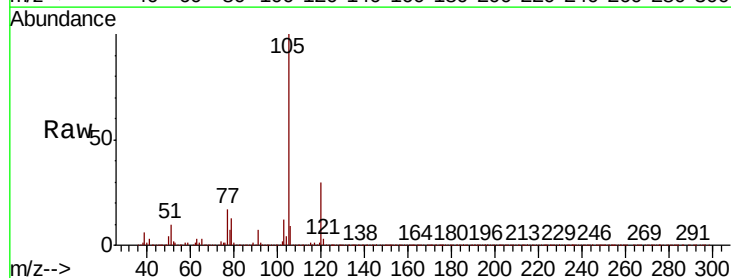
Manual Integrations
APPROVED

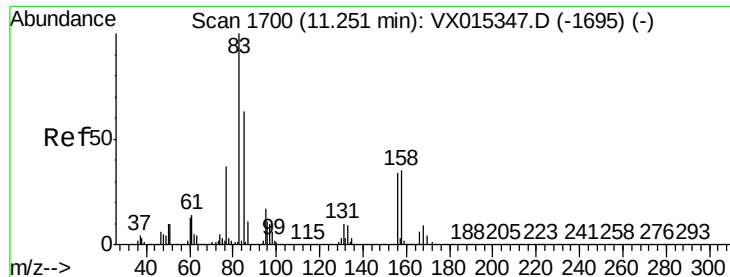
apatel
3/26/2020 11:01:22 AM



#70
Isopropylbenzene
Concen: 140.855 ug/l
RT: 11.01 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.3	18.8	34.8





#71

1,1,2,2-Tetrachloroethane

Concen: 147.840 ug/l

RT: 11.26 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VX015350.D

Acq: 25 Mar 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 2769344

Ion Ratio Lower Upper

83 100

131 11.2 5.3 15.9

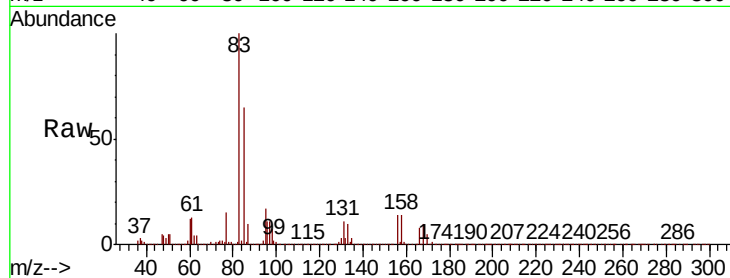
85 65.1 32.0 96.2

Manual Integrations

APPROVED

apatel

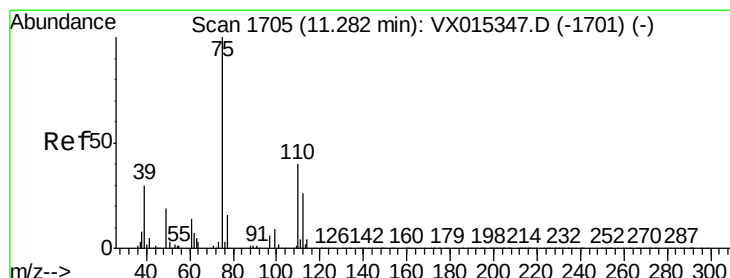
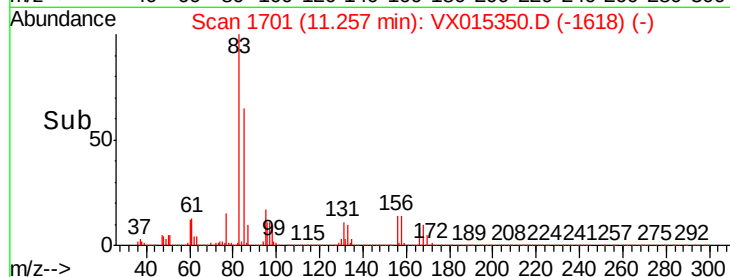
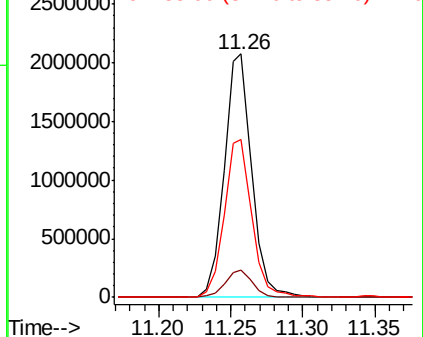
3/26/2020 11:01:22 AM



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 160.857 ug/l m

RT: 11.28 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VX015350.D

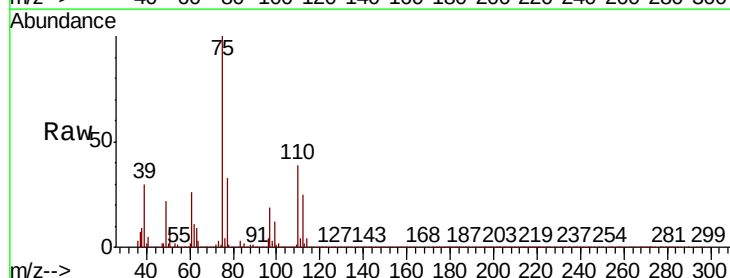
Acq: 25 Mar 2020 19:39

Tgt Ion: 75 Resp: 2530724

Ion Ratio Lower Upper

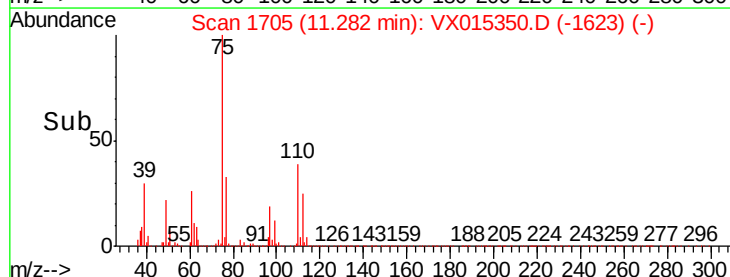
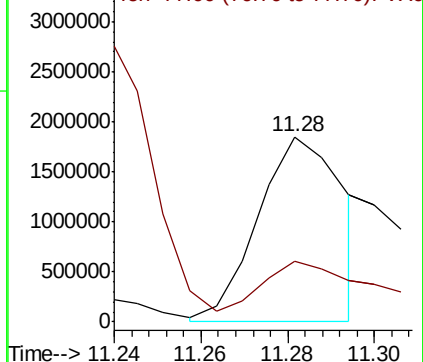
75 100

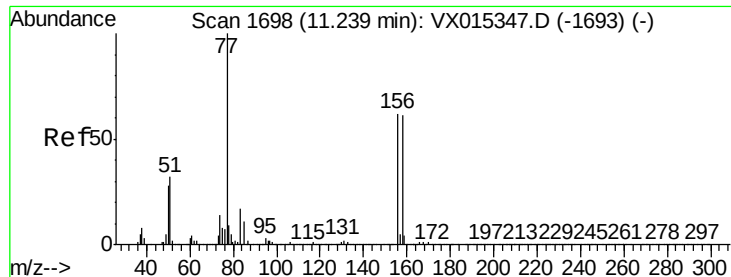
77 44.3 0.0 80.0



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 150.901 ug/l

RT: 11.24 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX015350.D

Acq: 25 Mar 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 2363088

Ion Ratio Lower Upper

156 100

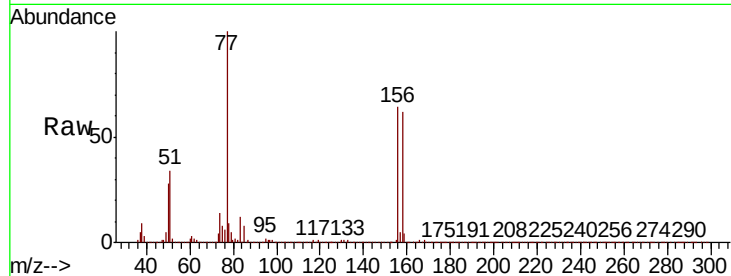
77 151.1 0.0 324.4

158 96.9 0.0 200.0

Manual Integrations
APPROVED

apatel

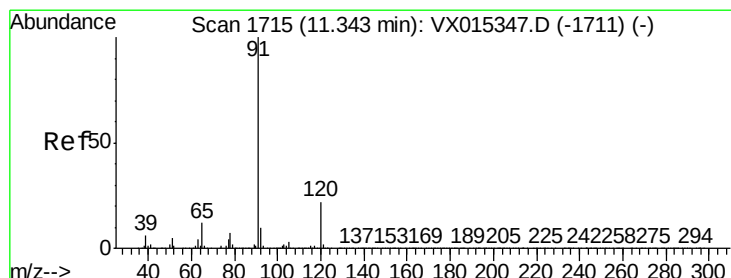
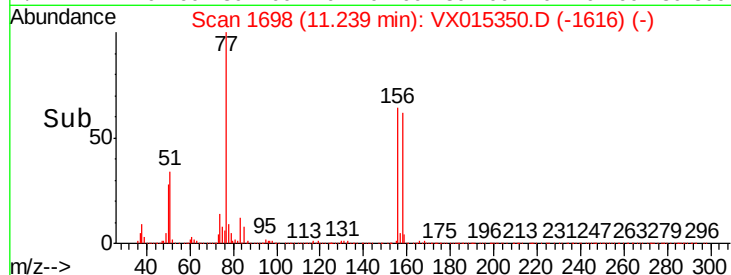
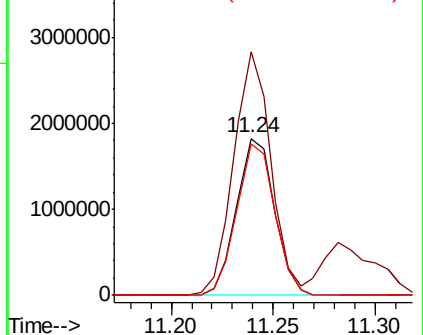
3/26/2020 11:01:22 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 135.924 ug/l

RT: 11.35 min Scan# 1716

Delta R.T. 0.01 min

Lab File: VX015350.D

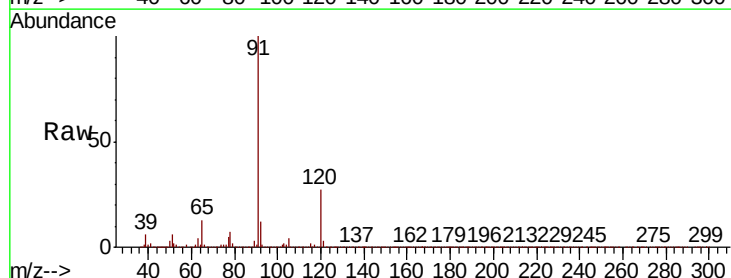
Acq: 25 Mar 2020 19:39

Tgt Ion: 91 Resp: 9294450

Ion Ratio Lower Upper

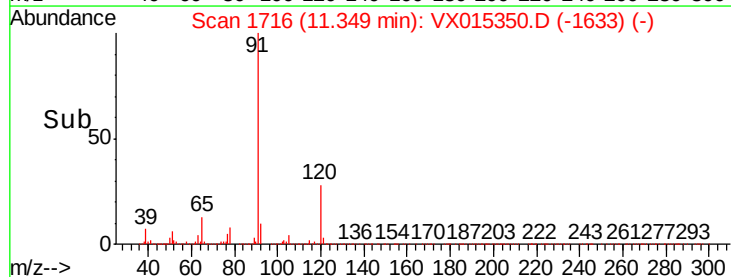
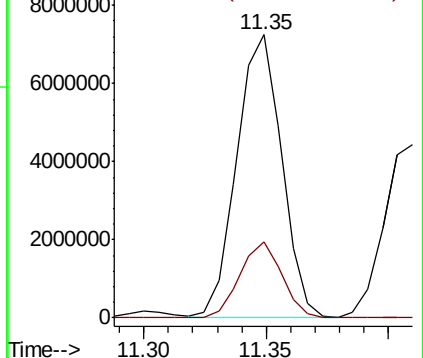
91 100

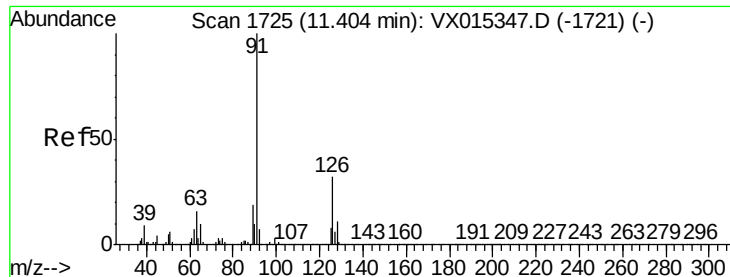
120 25.2 0.0 46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 144.996 ug/l

RT: 11.41 min Scan# 1726

Delta R.T. 0.01 min

Lab File: VX015350.D

Acq: 25 Mar 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 5821958

Ion Ratio Lower Upper

91 100

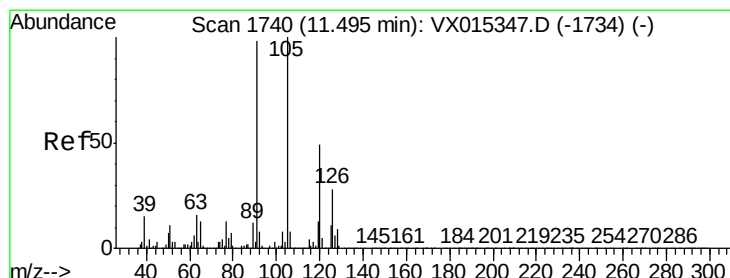
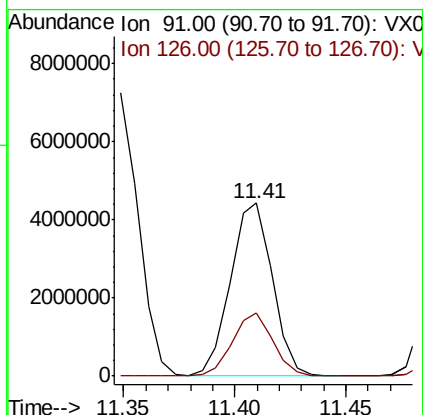
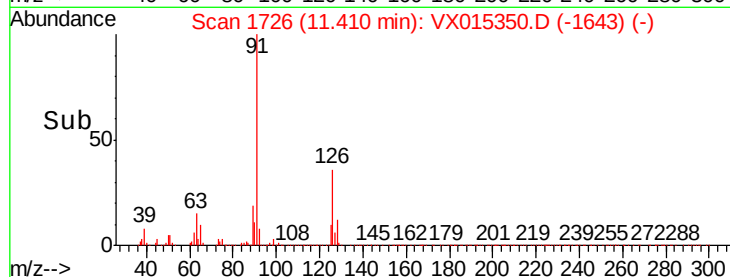
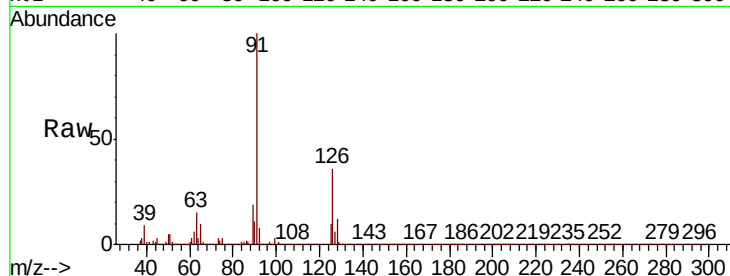
126 34.8 0.0 65.2

Manual Integrations

APPROVED

apatel

3/26/2020 11:01:22 AM



#76

1,3,5-Trimethylbenzene

Concen: 141.423 ug/l

RT: 11.50 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VX015350.D

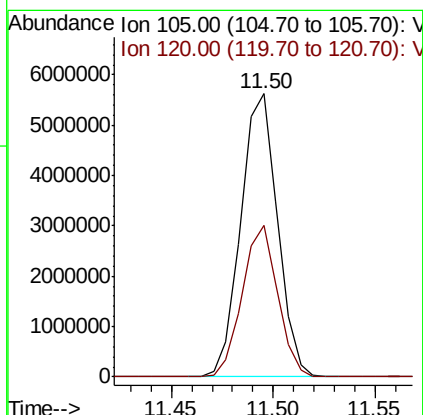
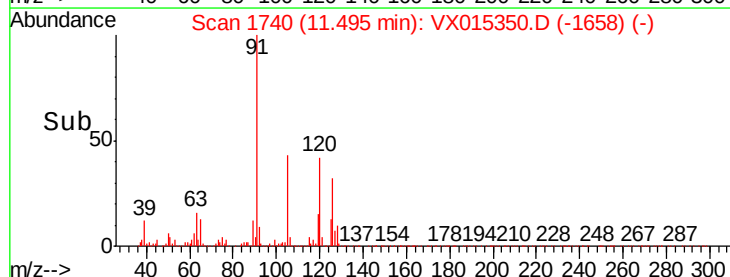
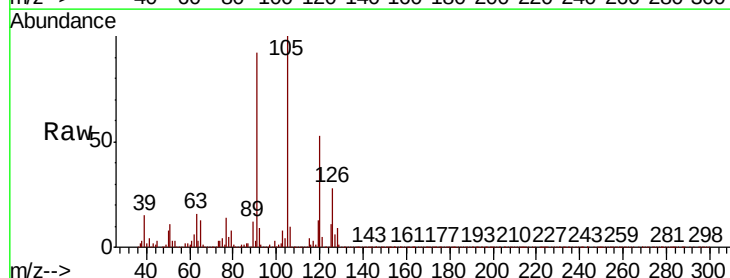
Acq: 25 Mar 2020 19:39

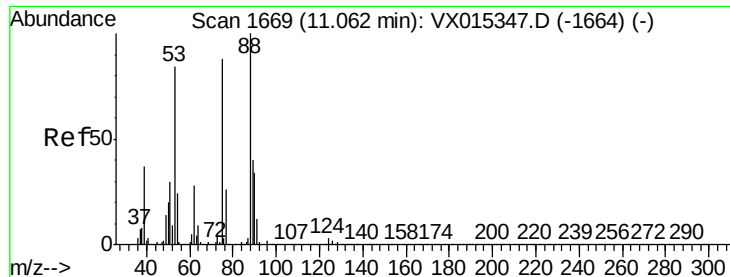
Tgt Ion: 105 Resp: 7016611

Ion Ratio Lower Upper

105 100

120 51.7 0.0 98.0





#77

t-1,4-Dichloro-2-butene

Concen: 169.767 ug/l

RT: 11.06 min Scan# 1669

Delta R.T. 0.00 min

Lab File: VX015350.D

Acq: 25 Mar 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 1139888

Ion Ratio Lower Upper

75 100

53 96.5 47.5 142.6

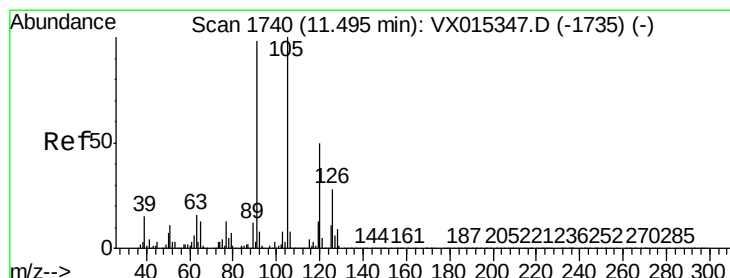
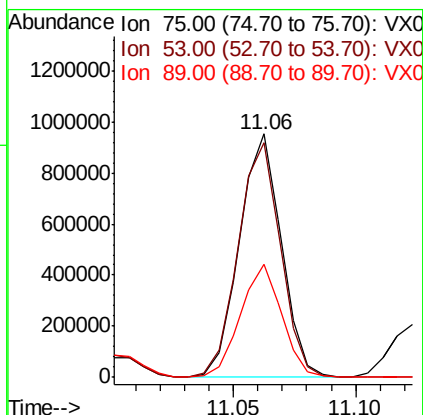
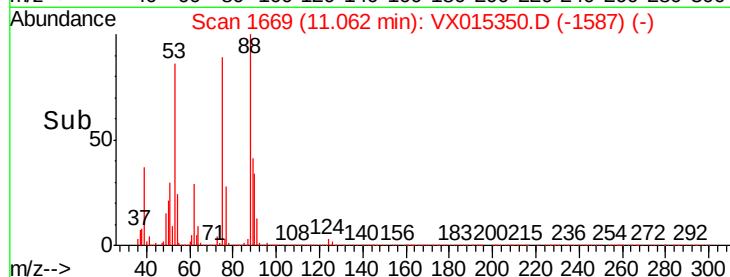
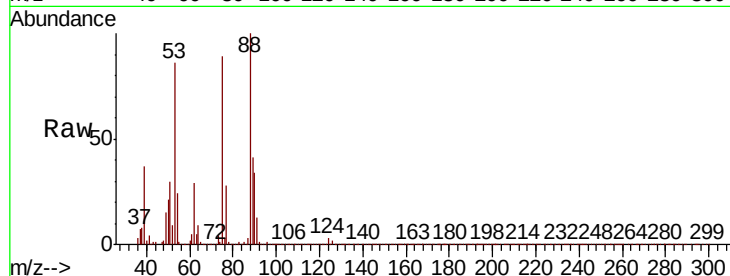
89 46.2 22.8 68.3

Manual Integrations

APPROVED

apatel

3/26/2020 11:01:22 AM



#78

4-Chlorotoluene

Concen: 145.480 ug/l

RT: 11.50 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VX015350.D

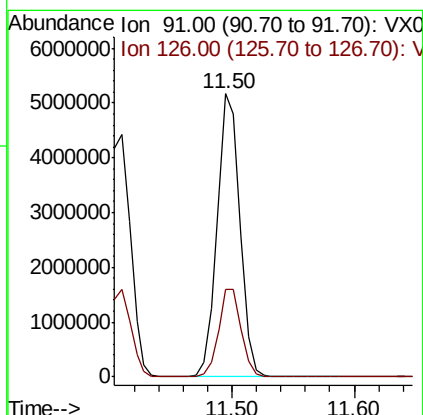
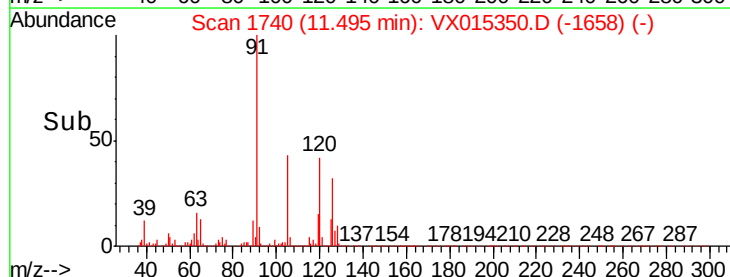
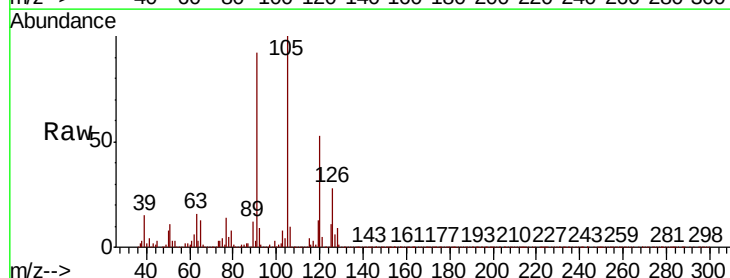
Acq: 25 Mar 2020 19:39

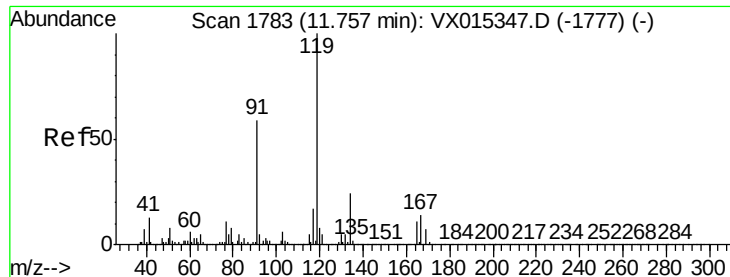
Tgt Ion: 91 Resp: 6717643

Ion Ratio Lower Upper

91 100

126 30.5 0.0 57.8





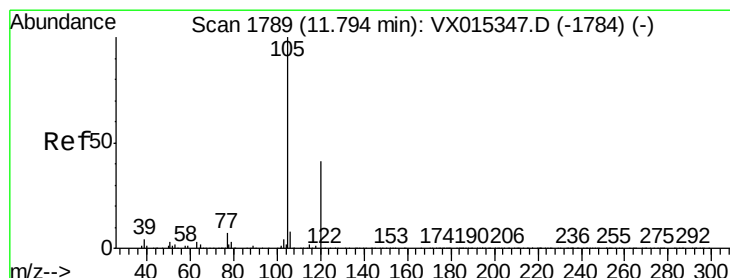
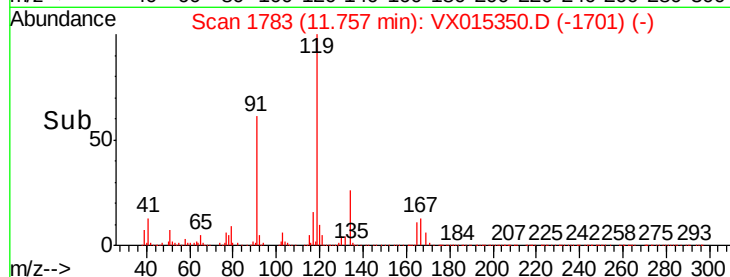
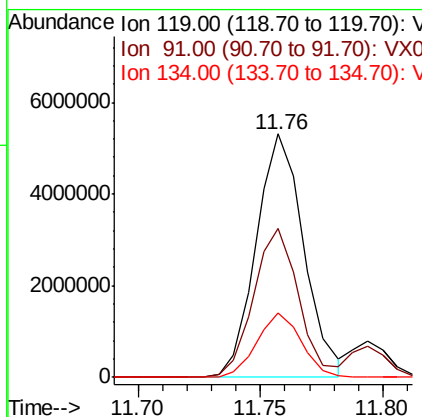
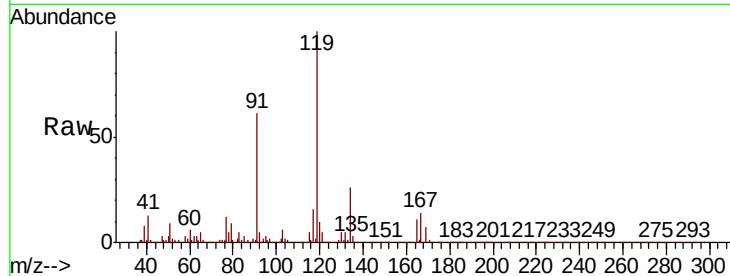
#79
tert-butylbenzene
Concen: 152.277 ug/l
RT: 11.76 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.2	0.0	115.8
134	24.5	0.0	47.0

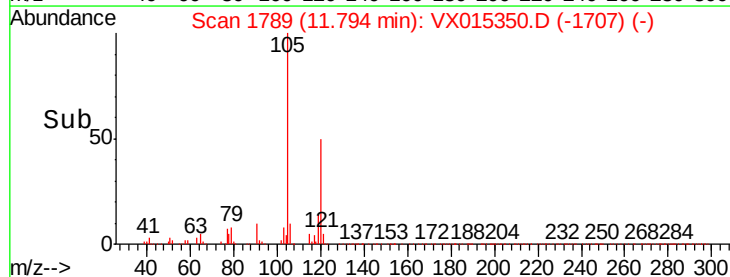
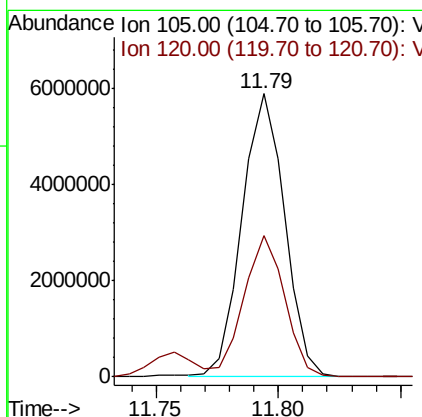
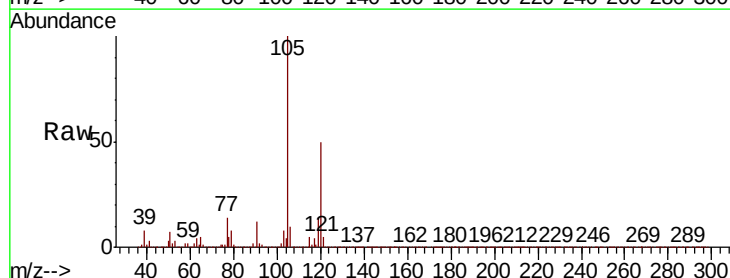
Manual Integrations
APPROVED

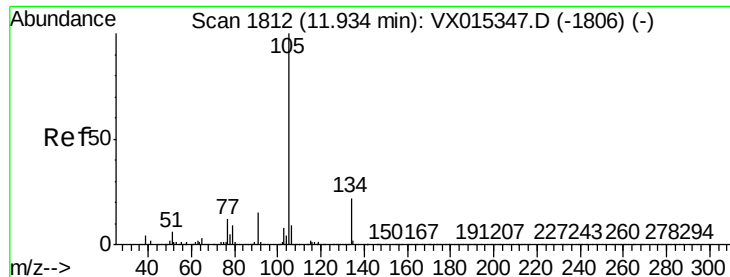
apatel
3/26/2020 11:01:22 AM



#80
1,2,4-Trimethylbenzene
Concen: 143.562 ug/l
RT: 11.79 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.2	0.0	91.0





#81

sec-Butylbenzene

Concen: 139.616 ug/l

RT: 11.93 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VX015350.D

Acq: 25 Mar 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 8111555

Ion Ratio Lower Upper

105 100

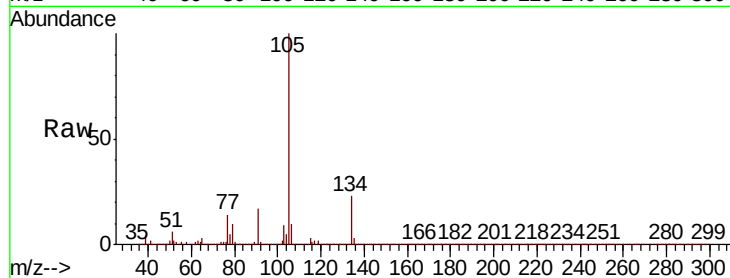
134 22.2 0.0 41.6

Manual Integrations

APPROVED

apatel

3/26/2020 11:01:22 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

6000000

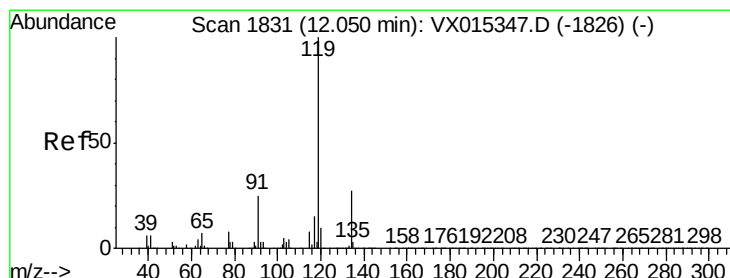
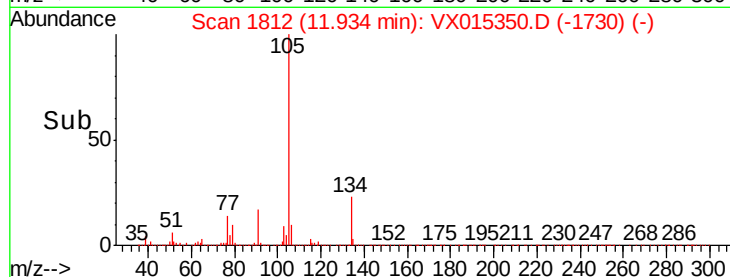
4000000

2000000

0

11.90 11.95

Time-->



#82

p-Isopropyltoluene

Concen: 145.290 ug/l

RT: 12.05 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VX015350.D

Acq: 25 Mar 2020 19:39

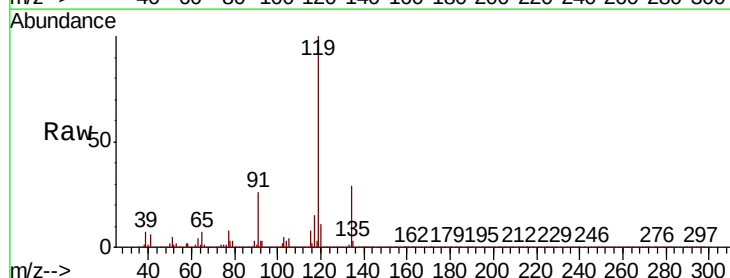
Tgt Ion:119 Resp: 7763404

Ion Ratio Lower Upper

119 100

134 27.9 0.0 53.2

91 24.8 0.0 48.2



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

8000000

6000000

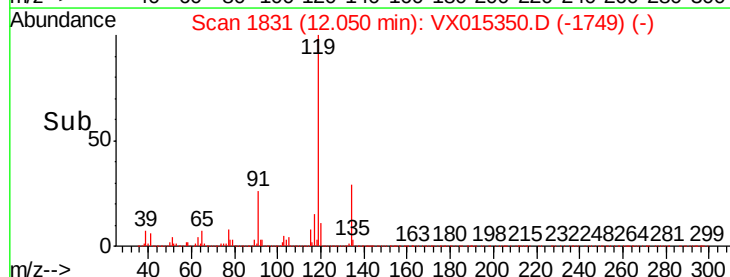
4000000

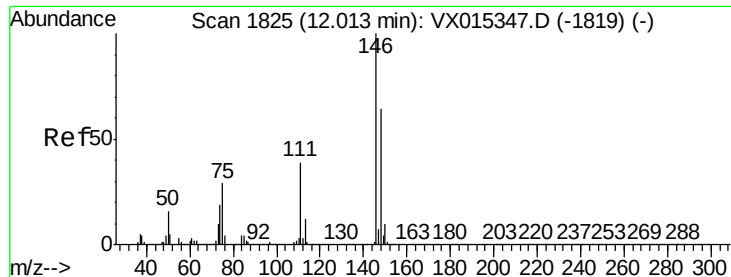
2000000

0

12.00 12.05 12.10

Time-->





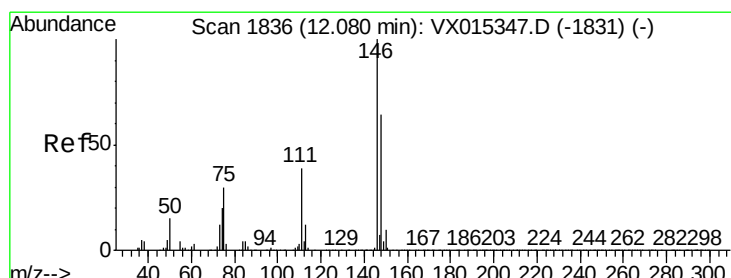
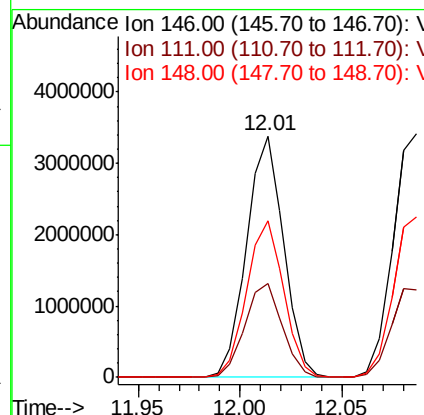
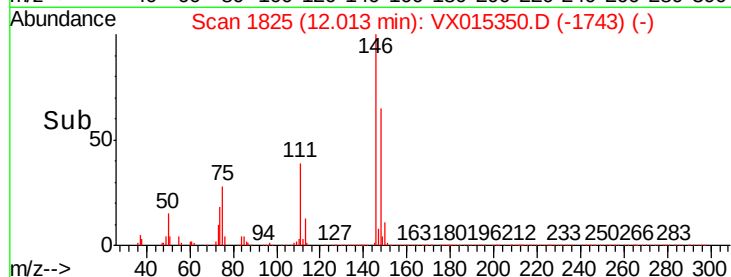
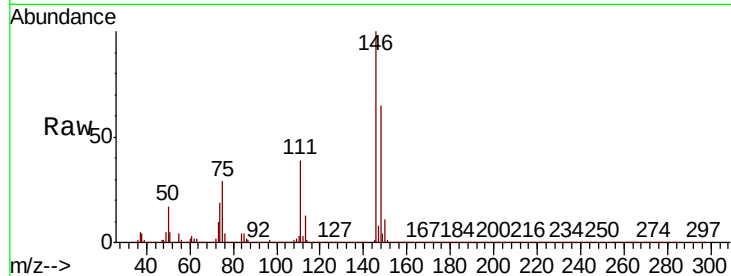
#83
1,3-Dichlorobenzene
Concen: 152.611 ug/l
RT: 12.01 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:146 Resp: 4267863
Ion Ratio Lower Upper
146 100
111 39.3 20.1 60.2
148 64.8 31.4 94.2

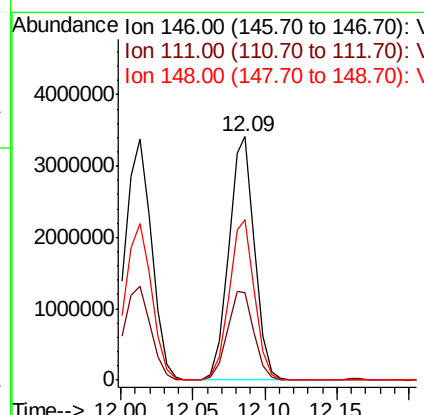
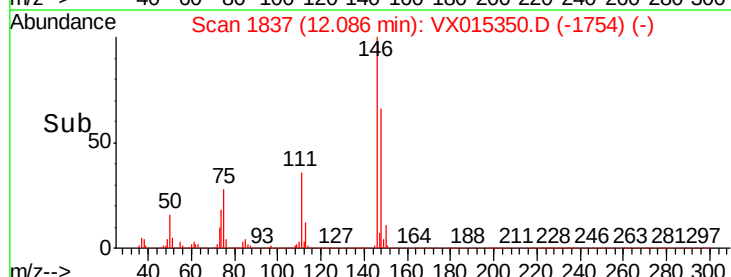
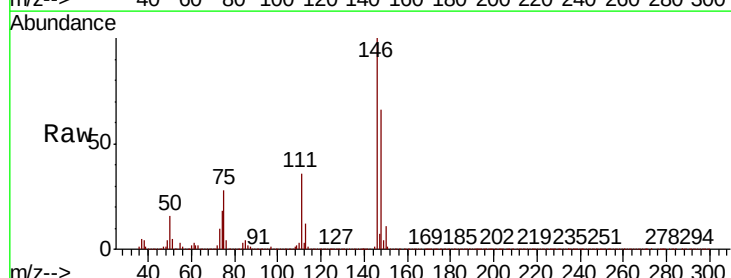
Manual Integrations
APPROVED

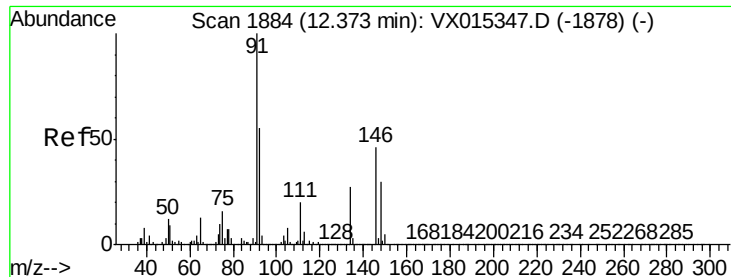
apatel
3/26/2020 11:01:22 AM



#84
1,4-Dichlorobenzene
Concen: 152.590 ug/l
RT: 12.09 min Scan# 1837
Delta R.T. 0.01 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Tgt Ion:146 Resp: 4282319
Ion Ratio Lower Upper
146 100
111 37.5 18.9 56.9
148 65.3 31.4 94.3





#85

n-Butylbenzene

Concen: 148.505 ug/l

RT: 12.37 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX015350.D

Acq: 25 Mar 2020 19:39

Instrument :

MSVOA_X

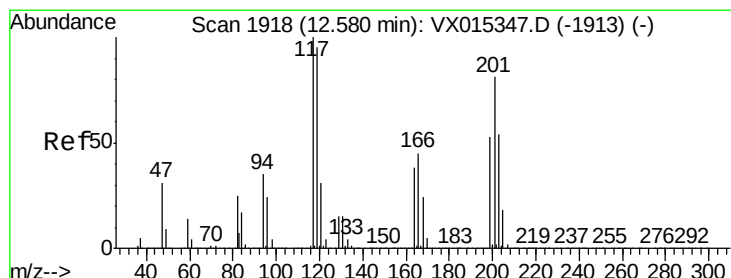
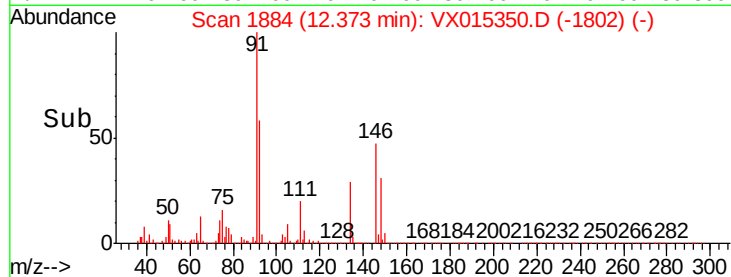
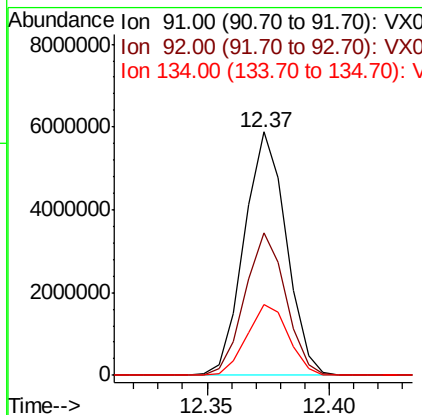
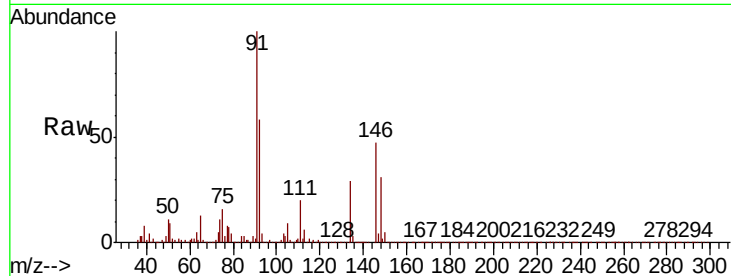
ClientSampleId :

VSTDIC150

Tot Ion:	91	Resp:	6992997
Ion	Ratio	Lower	Upper
91	100		
92	57.0	0.0	109.0
134	29.2	0.0	54.0

Manual Integrations
APPROVED

apatel
3/26/2020 11:01:22 AM



#86

Hexachloroethane

Concen: 167.854 ug/l

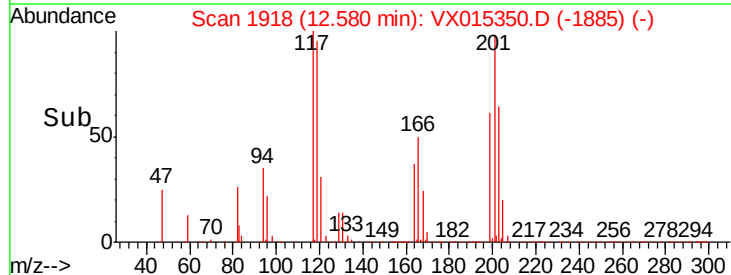
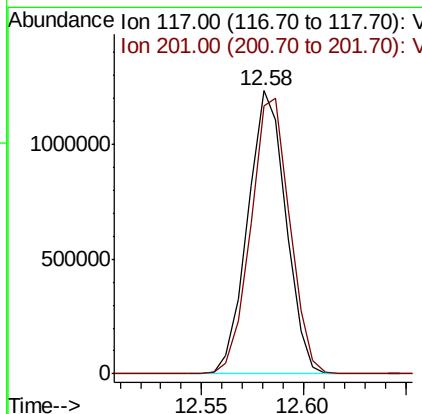
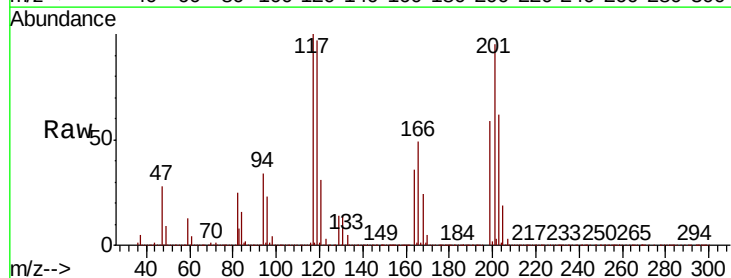
RT: 12.58 min Scan# 1918

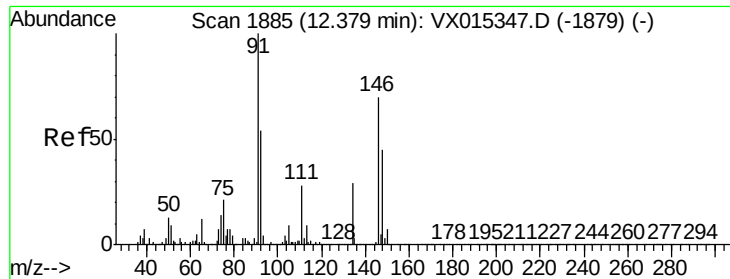
Delta R.T. 0.00 min

Lab File: VX015350.D

Acq: 25 Mar 2020 19:39

Tgt Ion:	117	Resp:	1602682
Ion	Ratio	Lower	Upper
117	100		
201	99.5	44.9	134.5





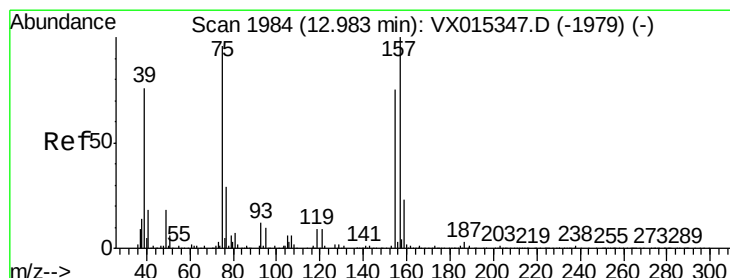
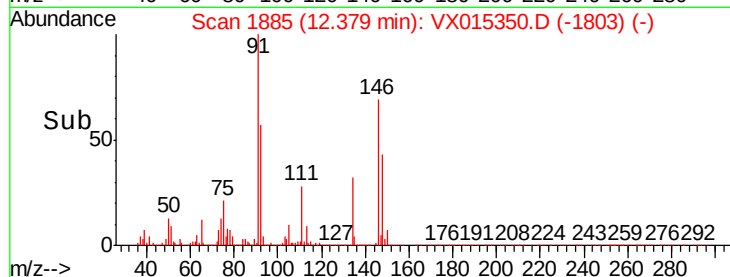
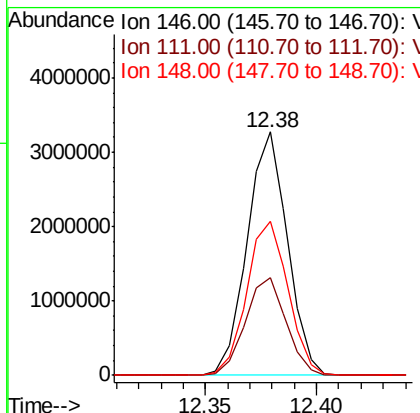
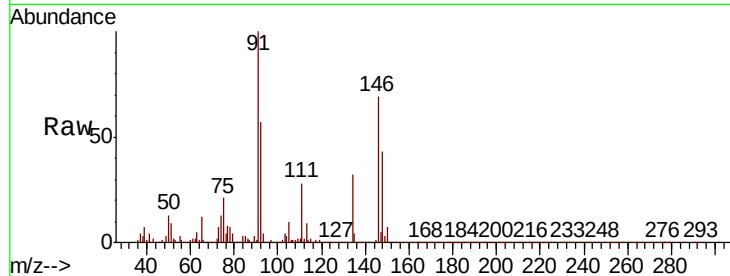
#87
 1,2-Dichlorobenzene
 Concen: 151.223 ug/l
 RT: 12.38 min Scan# 1885
 Delta R.T. 0.00 min
 Lab File: VX015350.D
 Acq: 25 Mar 2020 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.4	61.2
148	64.7	31.9	95.9

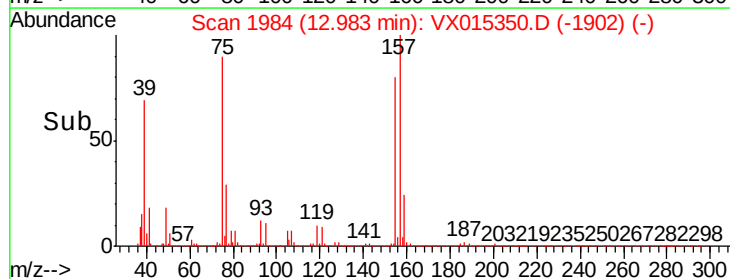
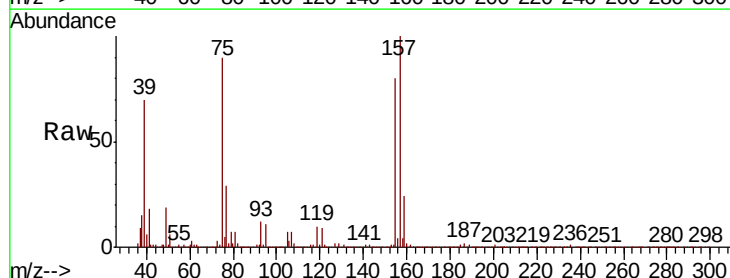
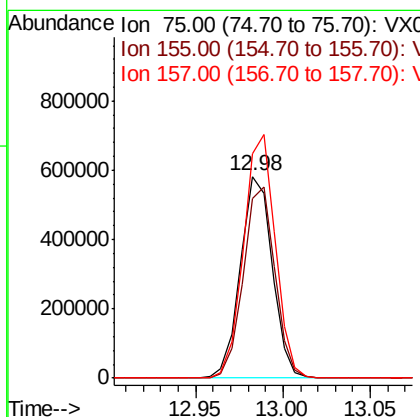
Manual Integrations
 APPROVED

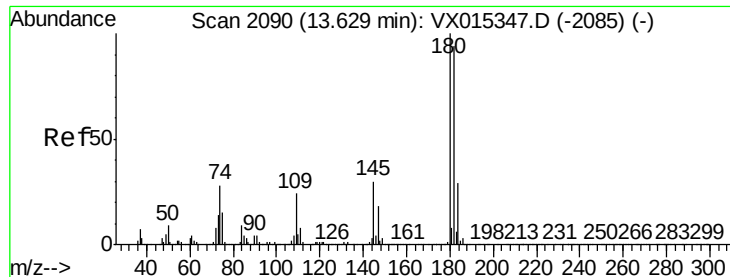
apatel
 3/26/2020 11:01:22 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 179.114 ug/l
 RT: 12.98 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: VX015350.D
 Acq: 25 Mar 2020 19:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.2	67.7	101.5
157	119.9	88.5	132.7





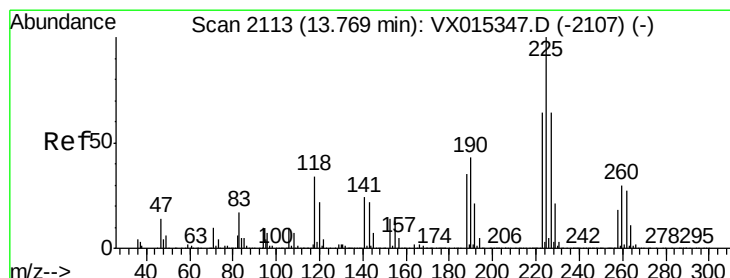
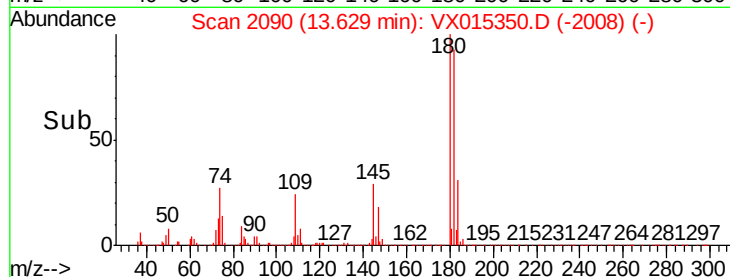
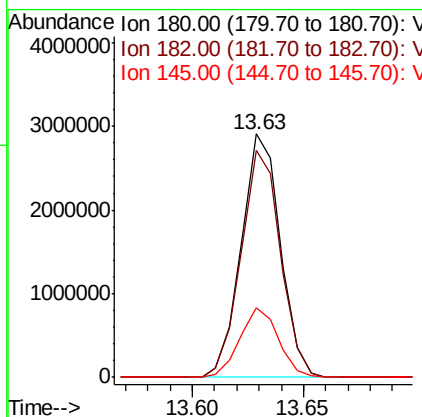
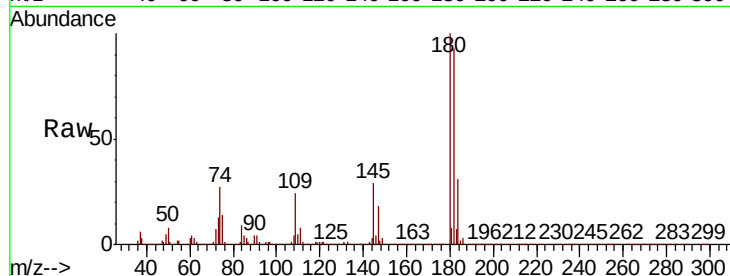
#89
 1,2,4-Trichlorobenzene
 Concen: 174.676 ug/l
 RT: 13.63 min Scan# 2090
 Delta R.T. 0.00 min
 Lab File: VX015350.D
 Acq: 25 Mar 2020 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.9	115.3
145	28.1	24.3	36.5

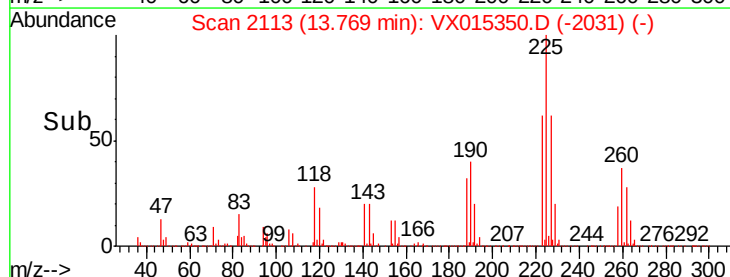
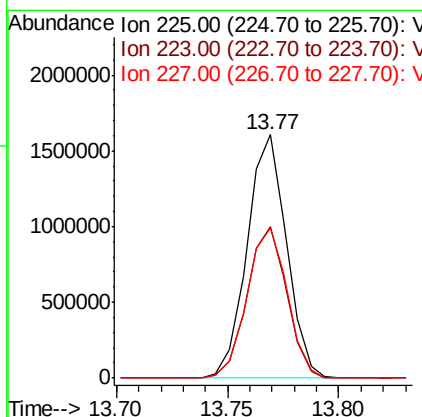
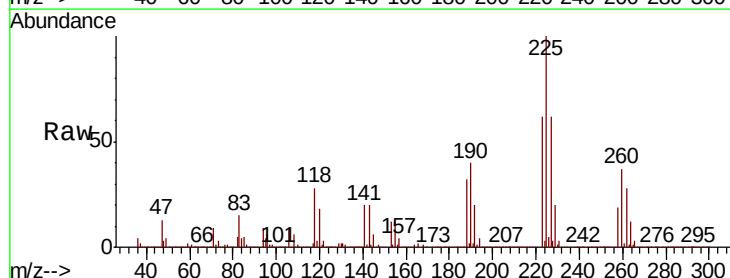
Manual Integrations
 APPROVED

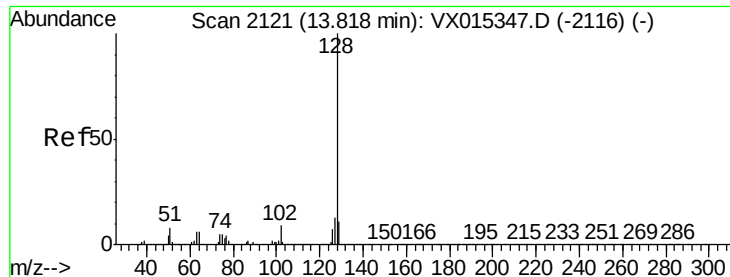
apatel
 3/26/2020 11:01:22 AM



#90
 Hexachlorobutadiene
 Concen: 189.605 ug/l
 RT: 13.77 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VX015350.D
 Acq: 25 Mar 2020 19:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	0.0	127.0
227	63.2	0.0	126.8





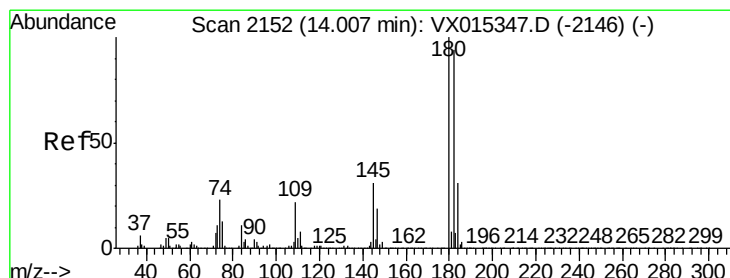
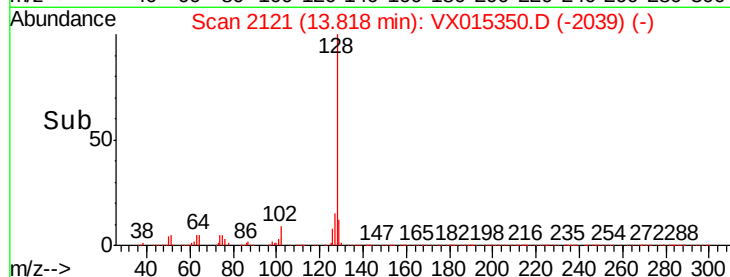
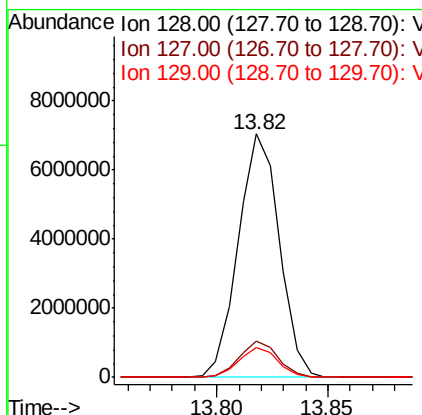
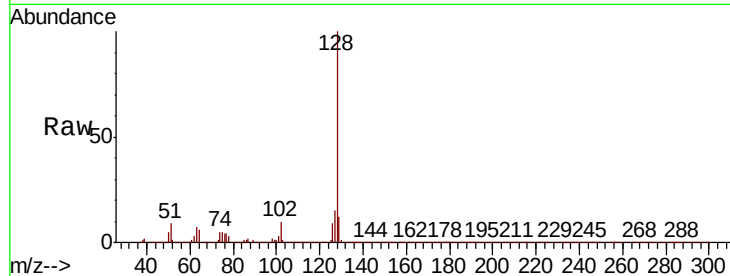
#91
Naphthalene
Concen: 156.589 ug/l
RT: 13.82 min Scan# 2121
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.3	15.5
129	11.8	8.9	13.3

Manual Integrations
APPROVED

apatel
3/26/2020 11:01:22 AM



#92
1,2,3-Trichlorobenzene
Concen: 168.654 ug/l
RT: 14.01 min Scan# 2152
Delta R.T. 0.00 min
Lab File: VX015350.D
Acq: 25 Mar 2020 19:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	0.0	191.0
145	29.6	0.0	62.2

