

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX033020\
 Data File : VX015425.D
 Acq On : 30 Mar 2020 14:00
 Operator : JC/SP
 Sample : VX0330WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0330WBS01

Manual Integrations
 APPROVED

apatel
 3/31/2020 11:05:26 AM

Quant Time: Mar 31 08:13:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	1159548	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1768957	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1614457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	832664	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	756931	46.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.56%	
35) Dibromofluoromethane	5.47	113	564274	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	8.70	98	2056044	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
62) 4-Bromofluorobenzene	11.12	95	832352	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	208622	20.421	ug/l	100
3) Chloromethane	1.31	50	240140	18.458	ug/l	99
4) Vinyl Chloride	1.39	62	221367	18.531	ug/l	99
5) Bromomethane	1.63	94	142472	21.217	ug/l	97
6) Chloroethane	1.71	64	139393	18.814	ug/l	100
7) Trichlorofluoromethane	1.92	101	321901	20.093	ug/l	100
8) Diethyl Ether	2.17	74	123677	18.303	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	209016	20.013	ug/l	97
10) Methyl Iodide	2.49	142	237552	16.871	ug/l	99
11) Tert butyl alcohol	3.00	59	288482	73.696	ug/l	100
12) 1,1-Dichloroethene	2.36	96	208015	19.001	ug/l	95
13) Acrolein	2.27	56	170182	76.320	ug/l	97
14) Allyl chloride	2.71	41	478602	18.710	ug/l	99
15) Acrylonitrile	3.11	53	641901	85.986	ug/l	99
16) Acetone	2.42	43	574429	81.756	ug/l	98
17) Carbon Disulfide	2.55	76	644187	19.290	ug/l	99
18) Methyl Acetate	2.75	43	300936	16.781	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	782618	18.433	ug/l	100
20) Methylene Chloride	2.83	84	238300	18.158	ug/l	100
21) trans-1,2-Dichloroethene	3.14	96	228668	18.821	ug/l	100
22) Diisopropyl ether	3.83	45	858641	18.943	ug/l	92
23) Vinyl Acetate	3.78	43	3868266	94.259	ug/l	98
24) 1,1-Dichloroethane	3.67	63	441446	18.498	ug/l	99
25) 2-Butanone	4.63	43	928617	82.182	ug/l	98
26) 2,2-Dichloropropane	4.55	77	396611	20.247	ug/l	96
27) cis-1,2-Dichloroethene	4.56	96	257096	18.290	ug/l	95
28) Bromochloromethane	4.98	49	213698	18.755	ug/l	99
29) Tetrahydrofuran	5.09	42	604169	83.171	ug/l	99
30) Chloroform	5.18	83	436049	18.991	ug/l	100
31) Cyclohexane	5.55	56	412839	19.941	ug/l	97
32) 1,1,1-Trichloroethane	5.47	97	395351	19.026	ug/l	99
36) 1,1-Dichloropropene	5.77	75	332595	20.406	ug/l	99
37) Ethyl Acetate	4.79	43	378803	17.849	ug/l	99
38) Carbon Tetrachloride	5.76	117	350601	19.860	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX033020\
 Data File : VX015425.D
 Acq On : 30 Mar 2020 14:00
 Operator : JC/SP
 Sample : VX0330WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0330WBS01

Manual Integrations
 APPROVED

apatel
 3/31/2020 11:05:26 AM

Quant Time: Mar 31 08:13:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	391700	20.843	ug/l	98
40) Benzene	6.11	78	940466	19.698	ug/l	100
41) Methacrylonitrile	5.00	41	216503	18.377	ug/l	99
42) 1,2-Dichloroethane	6.16	62	377201	19.669	ug/l	100
43) Isopropyl Acetate	6.41	43	656677	18.330	ug/l	99
44) Trichloroethene	7.18	130	256221	19.677	ug/l	98
45) 1,2-Dichloropropane	7.49	63	253264	19.391	ug/l	98
46) Dibromomethane	7.64	93	166417	19.424	ug/l	98
47) Bromodichloromethane	7.87	83	352717	19.321	ug/l	96
48) Methyl methacrylate	7.75	41	330949	18.494	ug/l	99
49) 1,4-Dioxane	7.72	88	109831	329.011	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	1865050	91.860	ug/l	99
52) Toluene	8.76	92	586035	19.909	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	403754	18.857	ug/l	97
54) cis-1,3-Dichloropropene	8.42	75	429538	19.694	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	233304	19.346	ug/l	99
56) Ethyl methacrylate	9.16	69	395864	18.625	ug/l	99
57) 1,3-Dichloropropane	9.36	76	411856	18.955	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	998303	96.566	ug/l	98
59) 2-Hexanone	9.47	43	1382709	90.206	ug/l	100
60) Dibromochloromethane	9.56	129	281195	19.404	ug/l	99
61) 1,2-Dibromoethane	9.65	107	250024	19.067	ug/l	99
64) Tetrachloroethene	9.32	164	242720	19.921	ug/l	95
65) Chlorobenzene	10.12	112	622320	19.328	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	247288	19.225	ug/l	99
67) Ethyl Benzene	10.23	91	1125709	19.713	ug/l	100
68) m/p-Xylenes	10.34	106	842158	39.605	ug/l	96
69) o-Xylene	10.68	106	414743	19.738	ug/l	97
70) Styrene	10.70	104	710701	19.221	ug/l	99
71) Bromoform	10.84	173	213763	18.255	ug/l #	99
73) Isopropylbenzene	11.00	105	1120161	20.532	ug/l	100
74) N-amyl acetate	10.88	43	573610	18.904	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	345636	18.463	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	332467m	19.416	ug/l	
77) Bromobenzene	11.24	156	280187	19.253	ug/l	97
78) n-propylbenzene	11.34	91	1261869	20.227	ug/l	100
79) 2-Chlorotoluene	11.40	91	768808	20.106	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	939725	20.168	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	130513	18.289	ug/l	98
82) 4-Chlorotoluene	11.49	91	913069	20.369	ug/l	99
83) tert-Butylbenzene	11.76	119	926321	20.353	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	953395	20.079	ug/l	100
85) sec-Butylbenzene	11.93	105	1083936	20.593	ug/l	100
86) p-Isopropyltoluene	12.05	119	1007877	20.626	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	509045	19.540	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	510421	19.235	ug/l	98
89) n-Butylbenzene	12.37	91	903638	20.464	ug/l	98
90) Hexachloroethane	12.58	117	188253	19.793	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	487844	19.135	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	82730	15.657	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX033020\
Data File : VX015425.D
Acq On : 30 Mar 2020 14:00
Operator : JC/SP
Sample : VX0330WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBS01

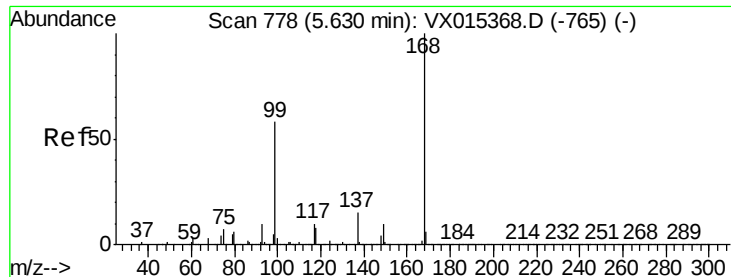
Manual Integrations
APPROVED

apatel
3/31/2020 11:05:26 AM

Quant Time: Mar 31 08:13:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	373650	18.528	ug/l	99
94) Hexachlorobutadiene	13.77	225	175907	18.321	ug/l	96
95) Naphthalene	13.82	128	1140374	18.538	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	374274	19.276	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.00 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0330WBS01

Tot Ion:168 Resp: 1159548

Ion Ratio Lower Upper

168 100

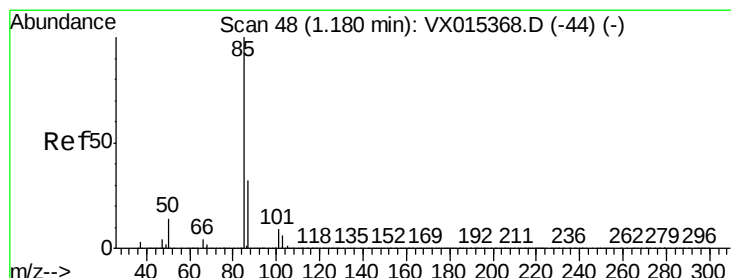
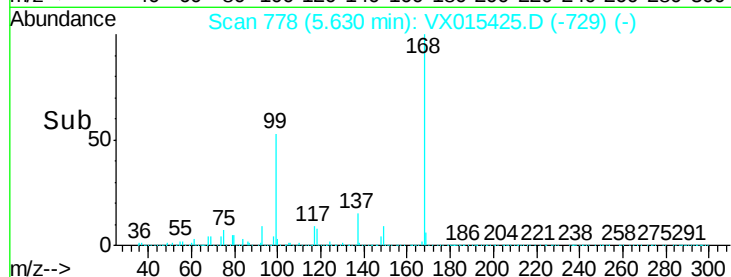
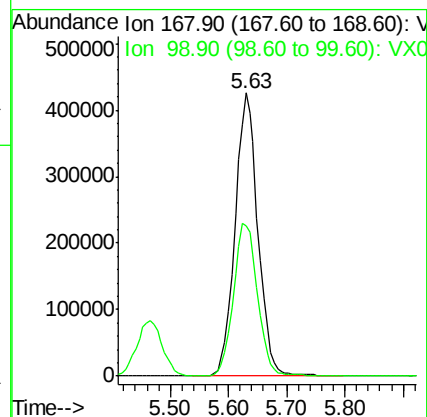
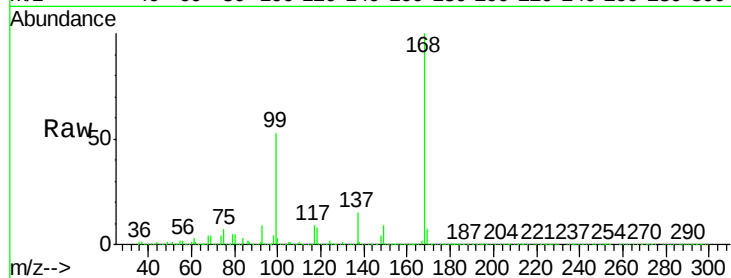
99 53.1 46.4 69.6

Manual Integrations

APPROVED

apatel

3/31/2020 11:05:26 AM



#2

Dichlorodifluoromethane

Concen: 20.421 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.01 min

Lab File: VX015425.D

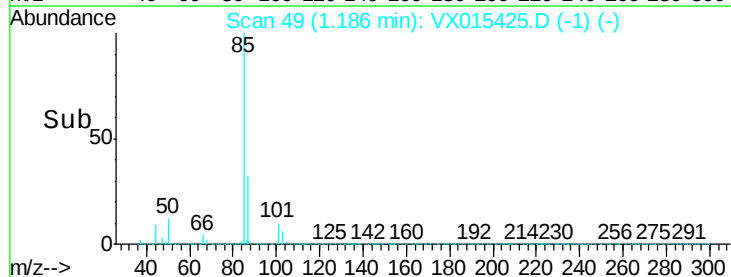
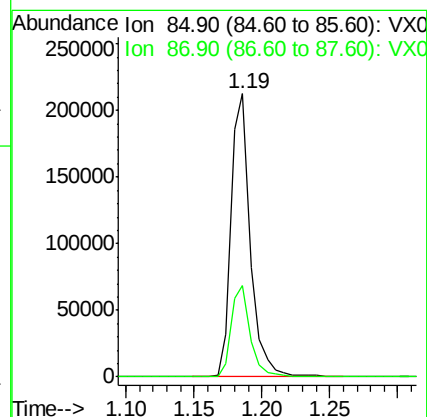
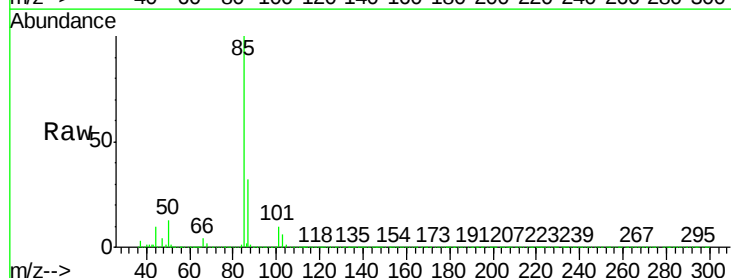
Acq: 30 Mar 2020 14:00

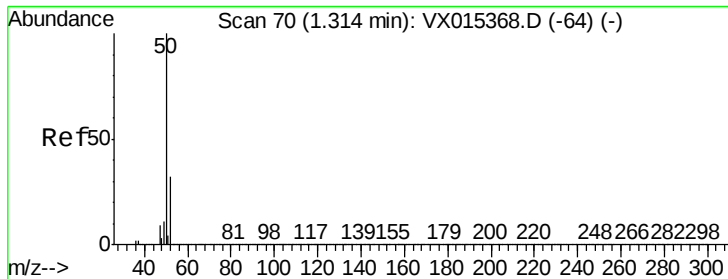
Tgt Ion: 85 Resp: 208622

Ion Ratio Lower Upper

85 100

87 32.0 16.0 47.9





#3

Chloromethane

Concen: 18.458 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0330WBS01

Tot Ion: 50 Resp: 240140

Ion Ratio Lower Upper

50 100

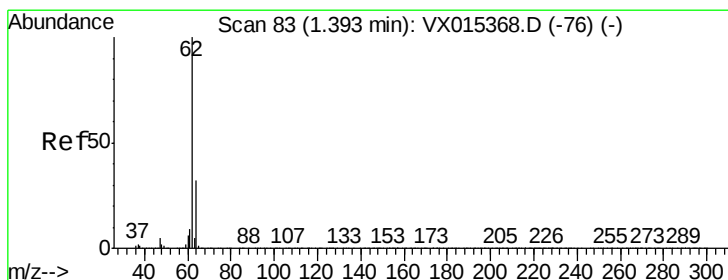
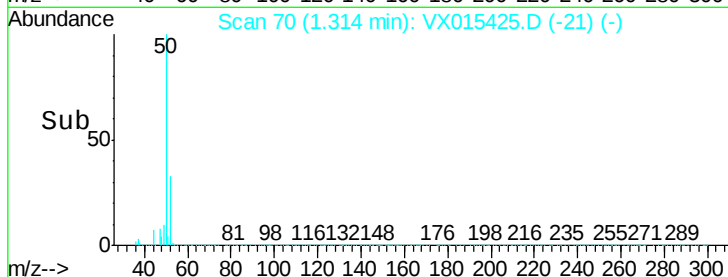
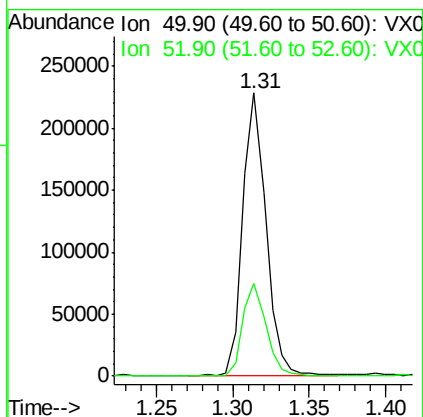
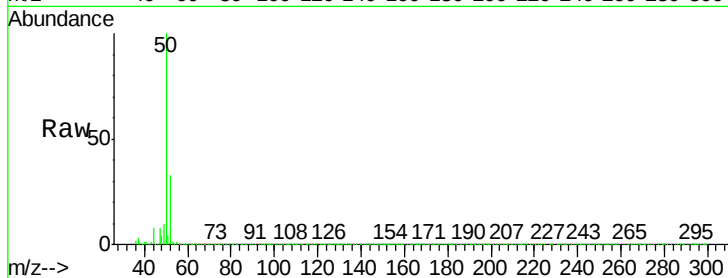
52 32.4 25.3 37.9

Manual Integrations

APPROVED

apatel

3/31/2020 11:05:26 AM



#4

Vinyl Chloride

Concen: 18.531 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX015425.D

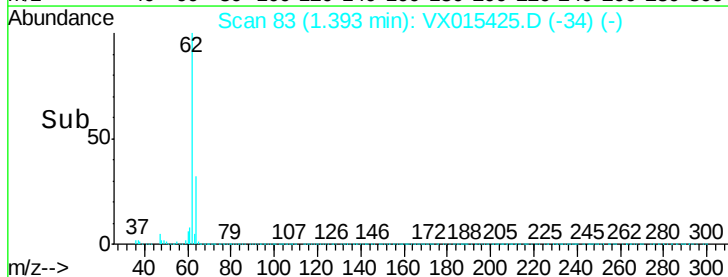
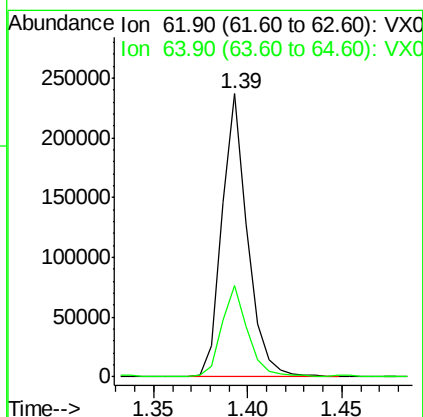
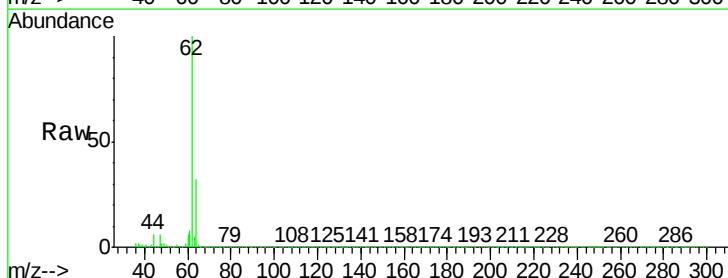
Acq: 30 Mar 2020 14:00

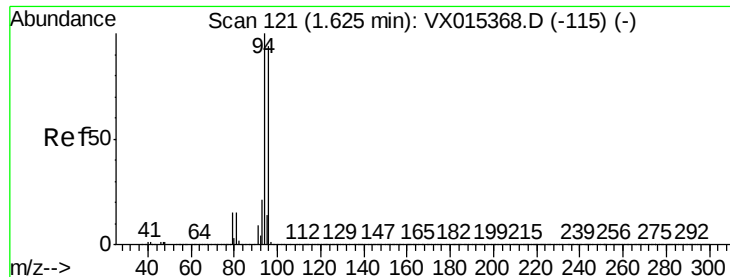
Tgt Ion: 62 Resp: 221367

Ion Ratio Lower Upper

62 100

64 32.0 26.0 39.0





#5

Bromomethane

Concen: 21.217 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Instrument :

MSVOA_X

ClientSampled :

VX0330WBS01

Tot Ion: 94 Resp: 142472

Ion Ratio Lower Upper

94 100

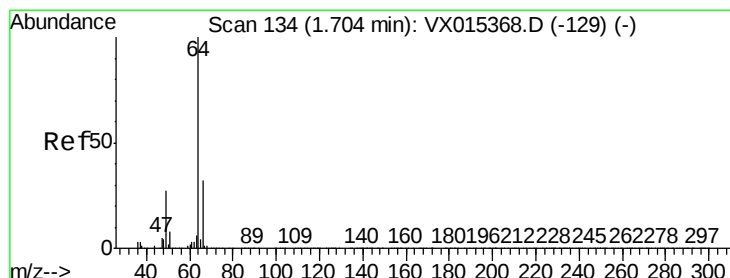
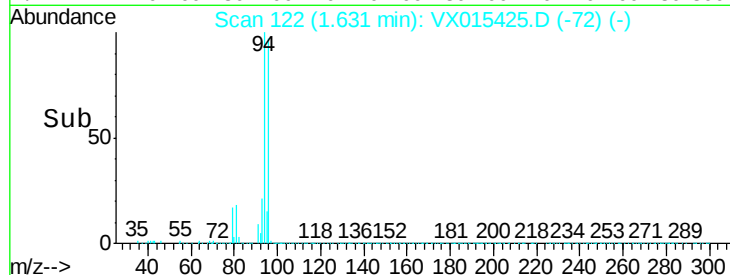
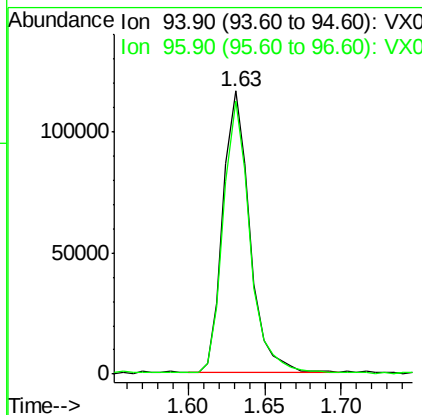
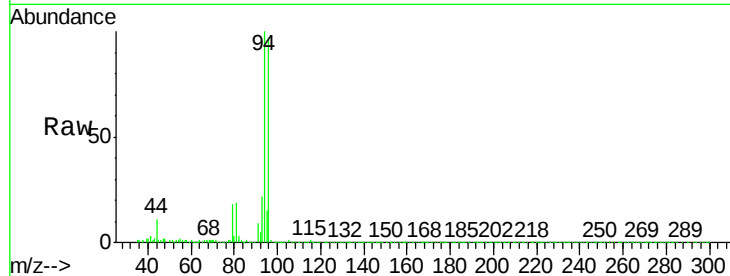
96 96.3 74.8 112.2

Manual Integrations

APPROVED

apatel

3/31/2020 11:05:26 AM



#6

Chloroethane

Concen: 18.814 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX015425.D

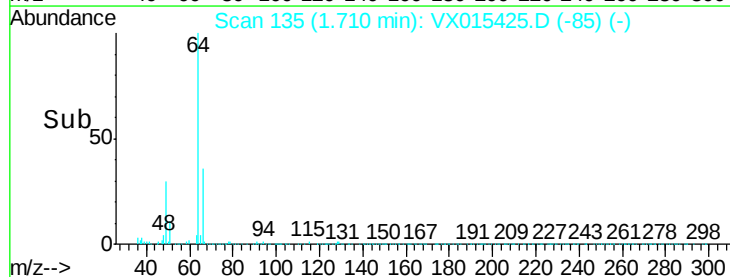
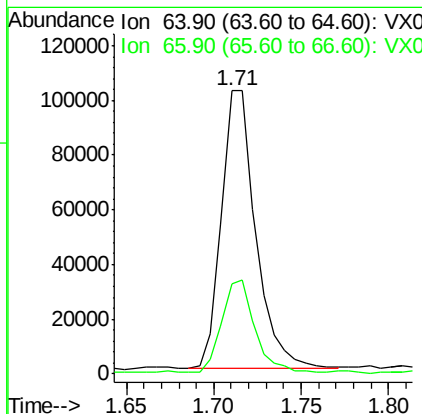
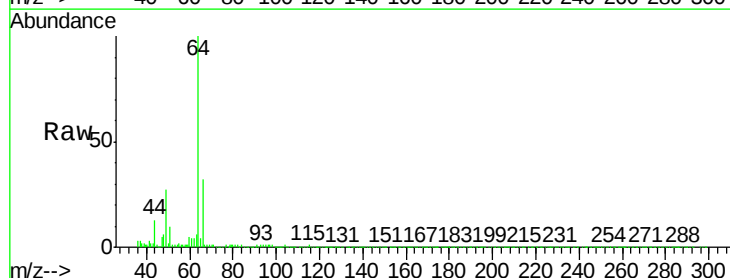
Acq: 30 Mar 2020 14:00

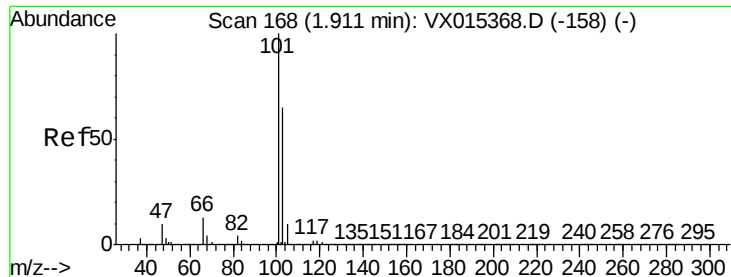
Tgt Ion: 64 Resp: 139393

Ion Ratio Lower Upper

64 100

66 31.6 25.4 38.2





#7

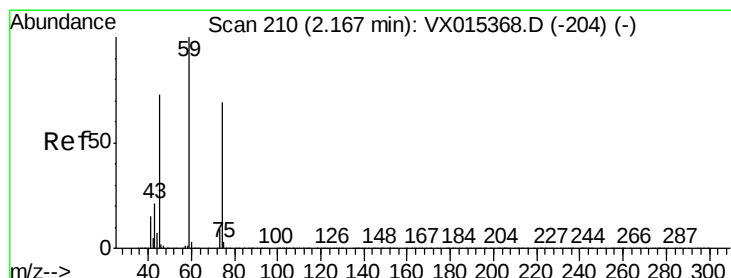
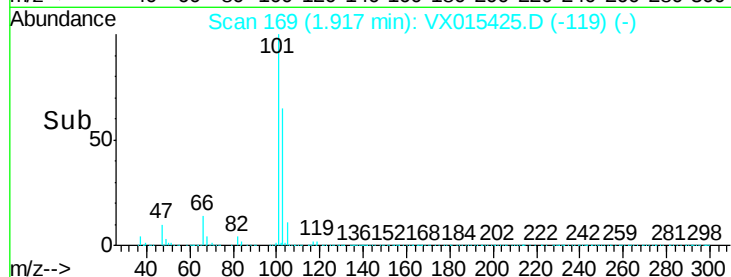
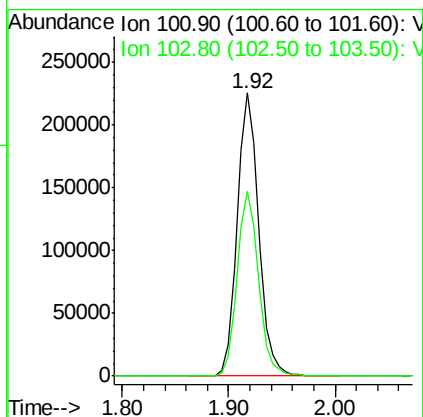
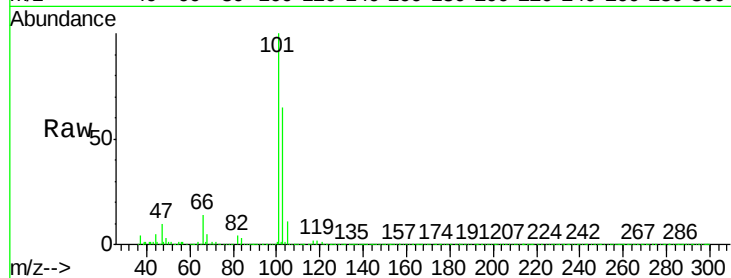
Trichlorofluoromethane
Concen: 20.093 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.01 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.3	78.5

Manual Integrations
APPROVED

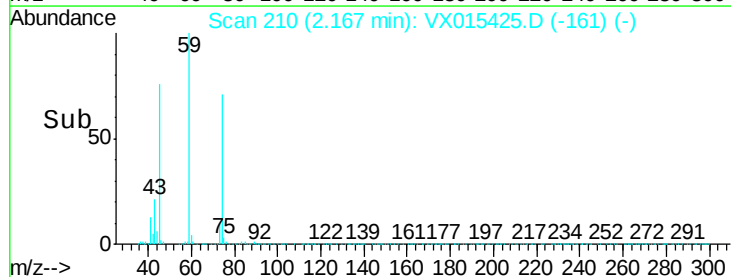
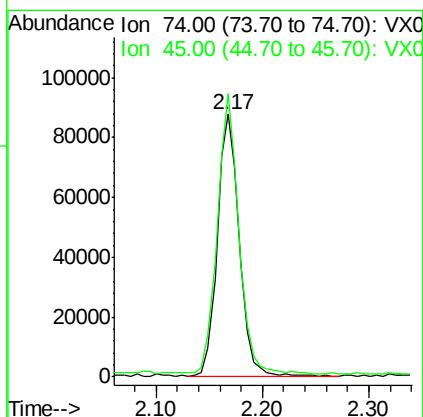
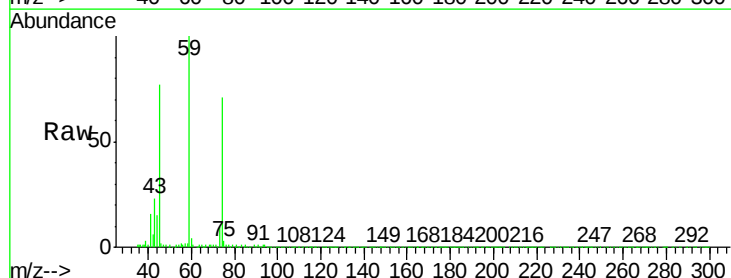
apatel
3/31/2020 11:05:26 AM

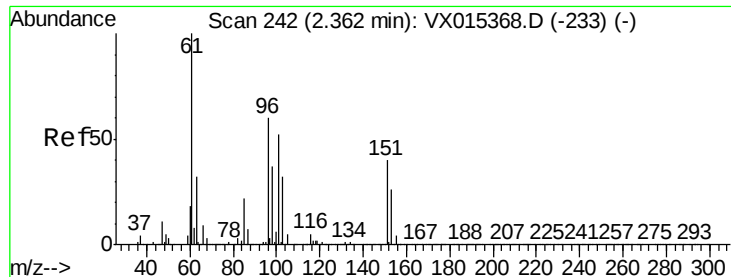


#8

Diethyl Ether
Concen: 18.303 ug/l
RT: 2.17 min Scan# 210
Delta R.T. -0.00 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.9	53.8	161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.013 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Instrument :

MSVOA_X

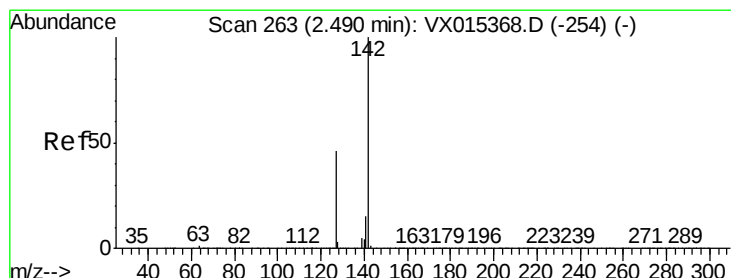
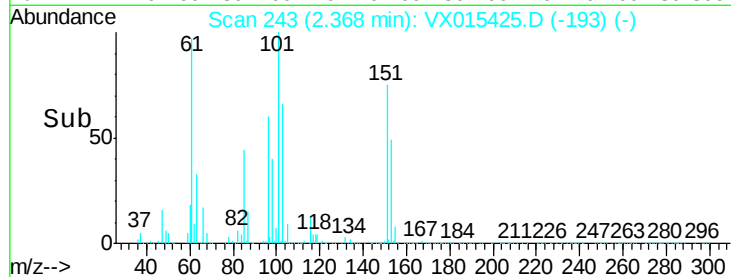
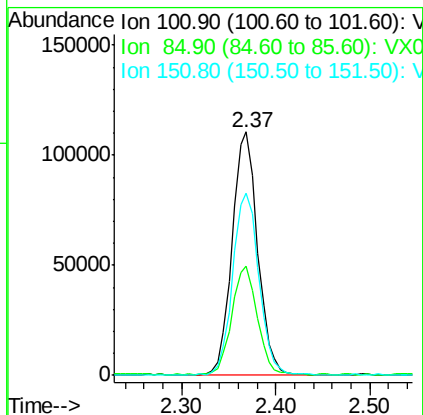
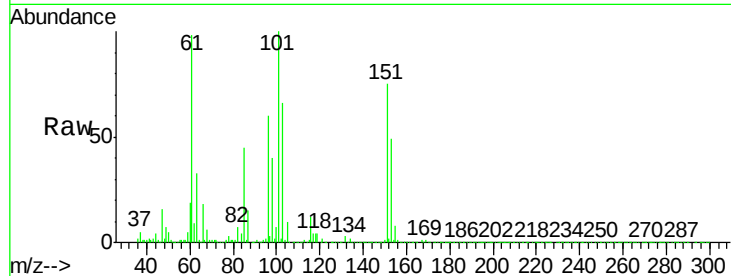
ClientSampleId :

VX0330WBS01

Tot Ion:	101	Resp:	209016
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.0	52.4
151	76.8	64.1	96.1

Manual Integrations
APPROVED

apatel
3/31/2020 11:05:26 AM



#10

Methyl Iodide

Concen: 16.871 ug/l

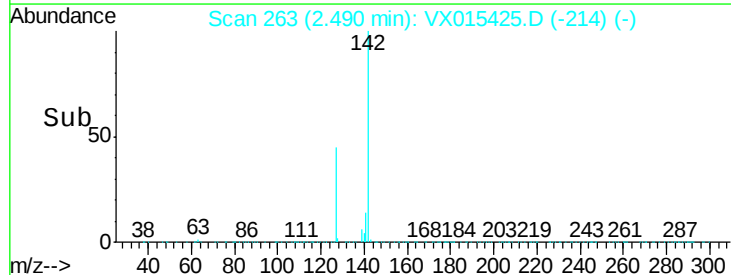
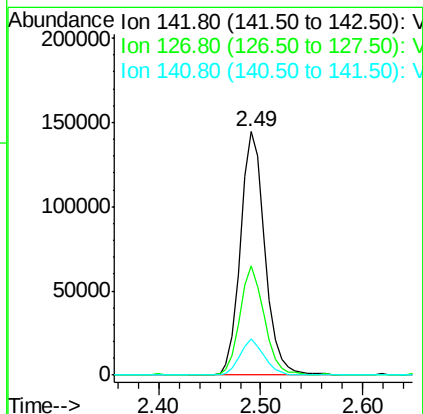
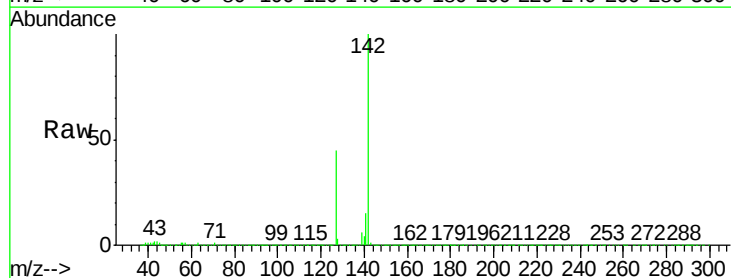
RT: 2.49 min Scan# 263

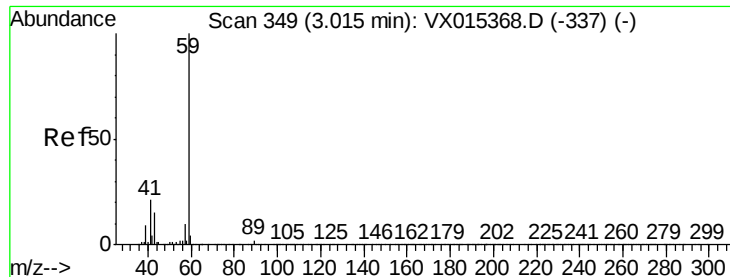
Delta R.T. -0.00 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Tgt Ion:	142	Resp:	237552
Ion Ratio	Lower	Upper	
142	100		
127	45.2	35.9	53.9
141	14.3	11.6	17.4





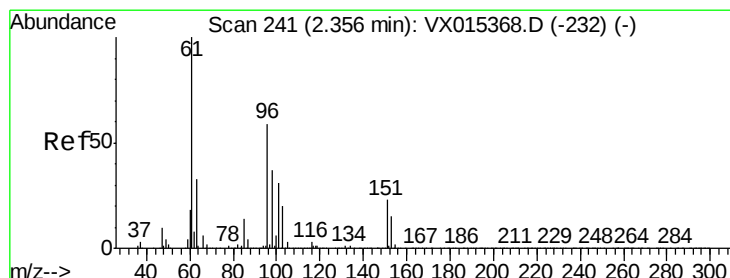
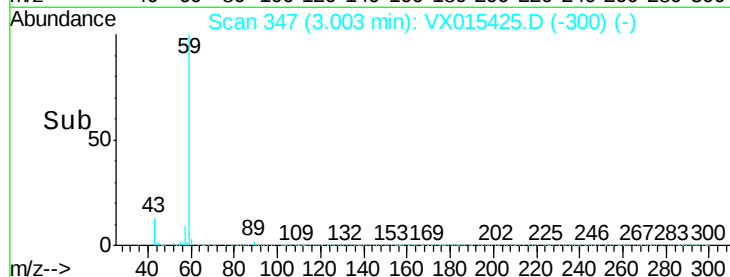
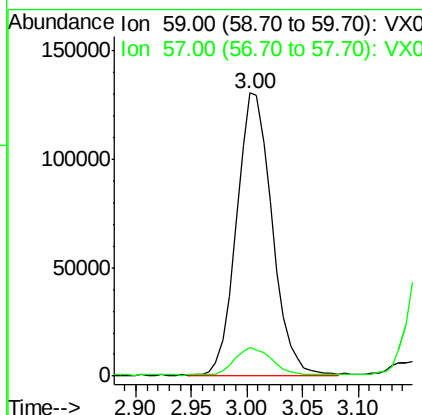
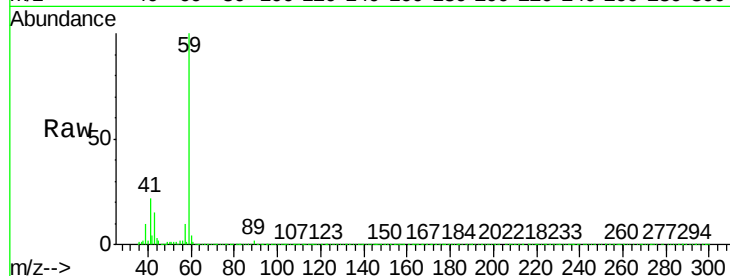
#11
Tert butyl alcohol
Concen: 73.696 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.01 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

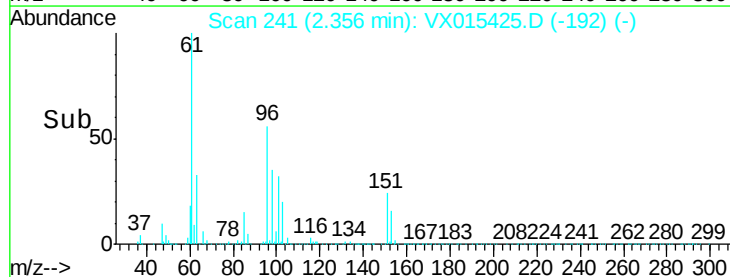
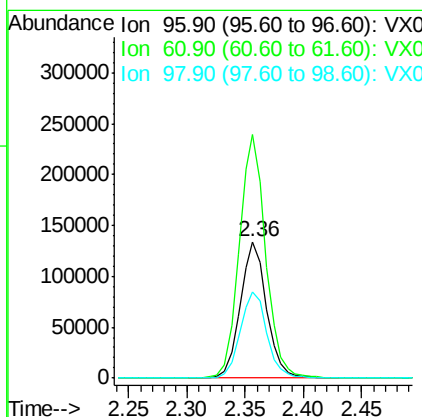
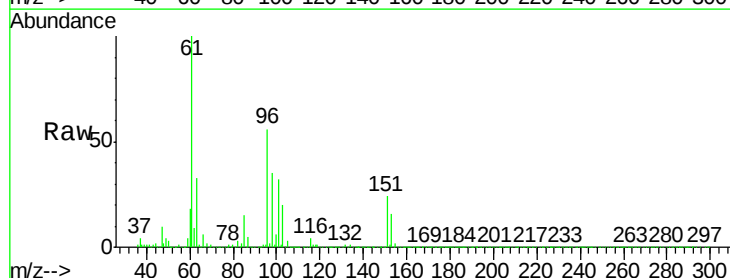
Manual Integrations
APPROVED

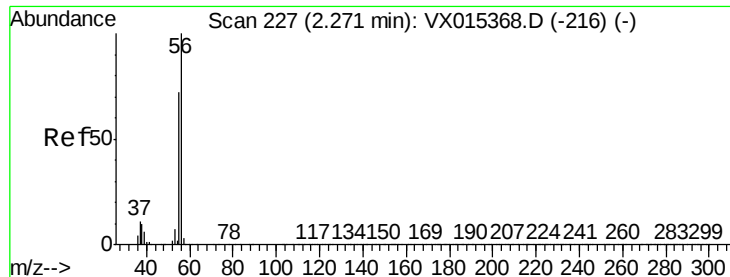
apatel
3/31/2020 11:05:26 AM



#12
1,1-Dichloroethene
Concen: 19.001 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.00 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.5	135.7	203.5
98	63.2	50.6	75.8





#13

Acrolein

Concen: 76.320 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.00 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0330WBS01

Tot Ion: 56 Resp: 170182

Ion Ratio Lower Upper

56 100

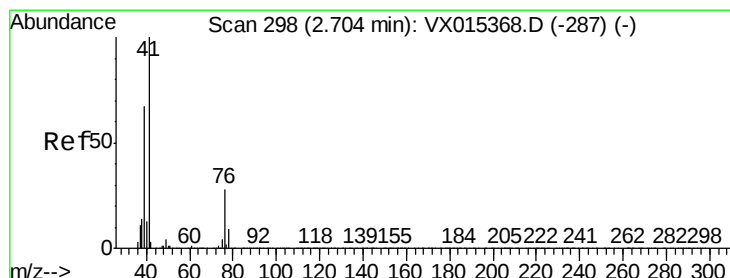
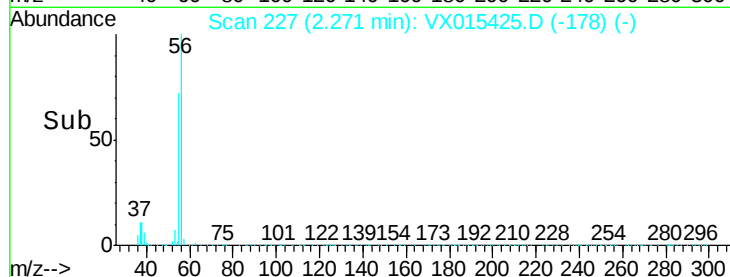
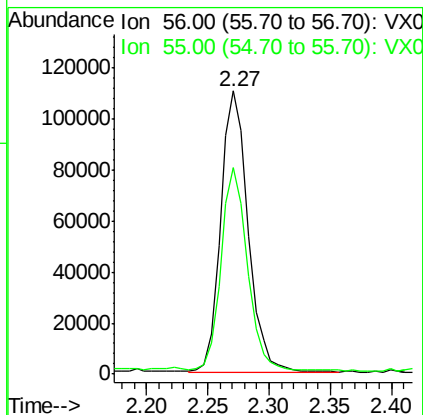
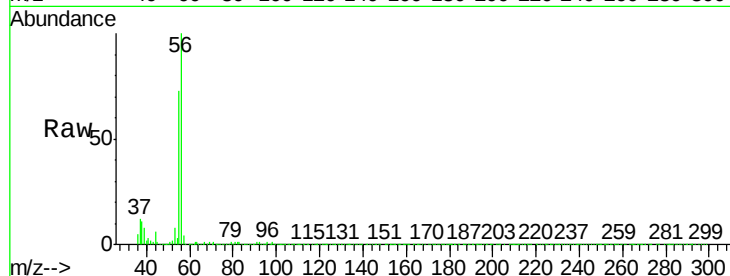
55 69.0 57.0 85.4

Manual Integrations

APPROVED

apatel

3/31/2020 11:05:26 AM



#14

Allyl chloride

Concen: 18.710 ug/l

RT: 2.71 min Scan# 299

Delta R.T. 0.01 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

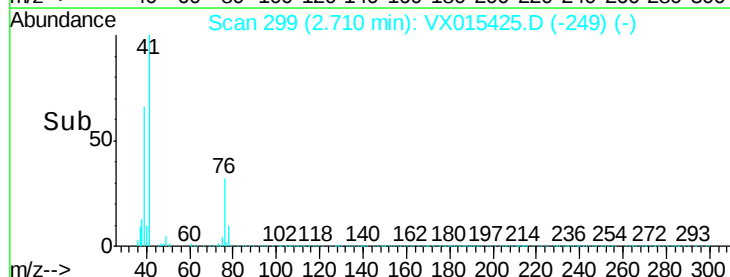
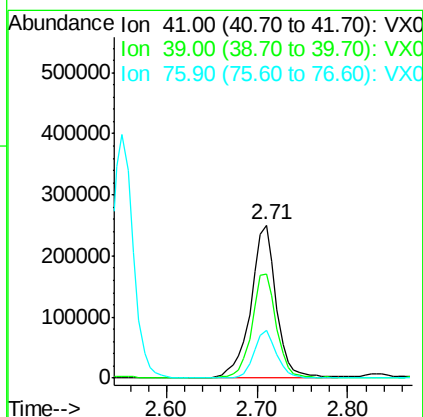
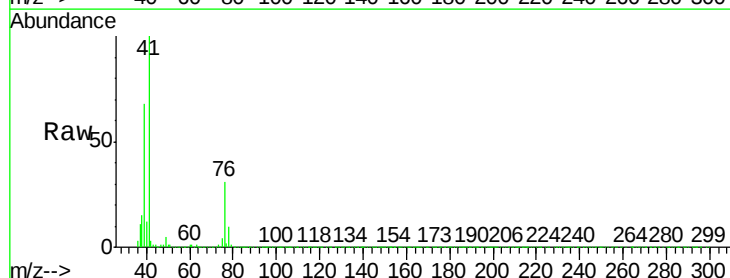
Tgt Ion: 41 Resp: 478602

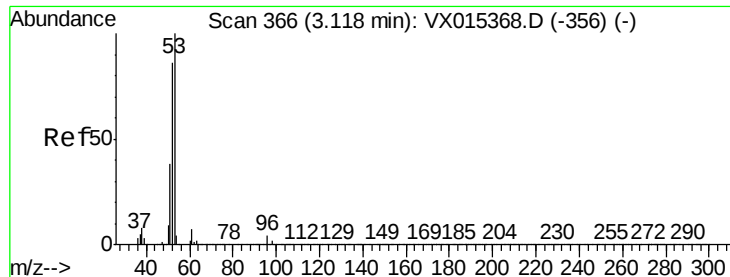
Ion Ratio Lower Upper

41 100

39 65.2 51.4 77.0

76 27.4 21.8 32.8





#15

Acrylonitrile

Concen: 85.986 ug/l

RT: 3.11 min Scan# 365

Delta R.T. -0.01 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Instrument :

MSVOA_X

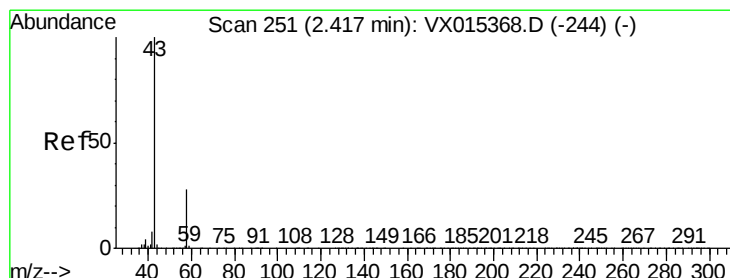
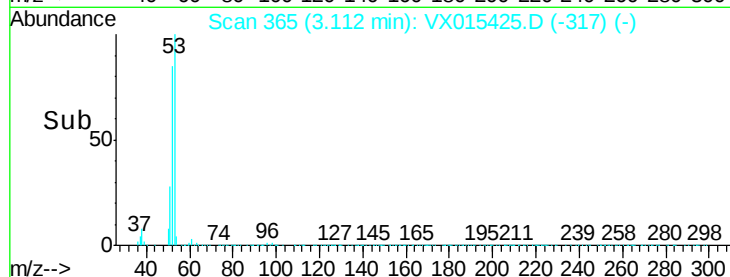
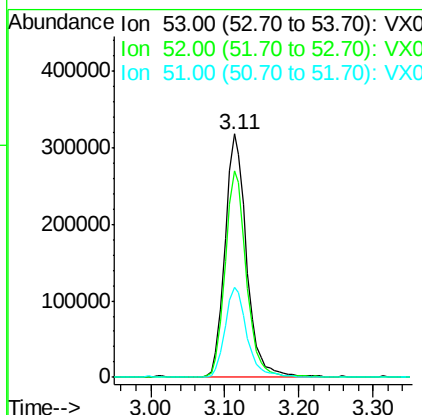
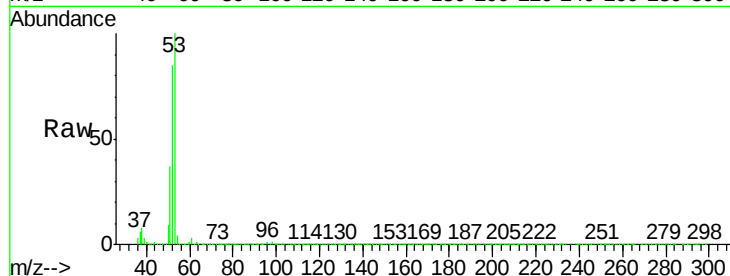
ClientSampleId :

VX0330WBS01

Tot Ion:	53	Resp:	641901
Ion Ratio		Lower	Upper
53	100		
52	83.3	66.8	100.2
51	38.0	29.5	44.3

Manual Integrations
APPROVED

apatel
3/31/2020 11:05:26 AM



#16

Acetone

Concen: 81.756 ug/l

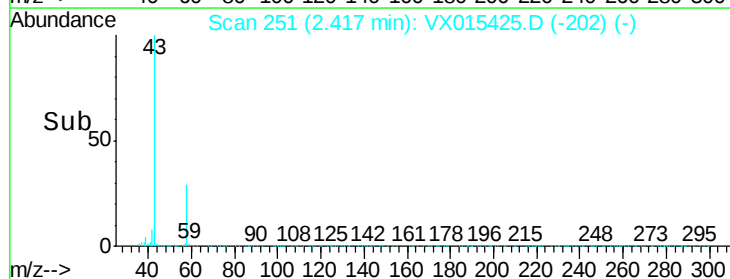
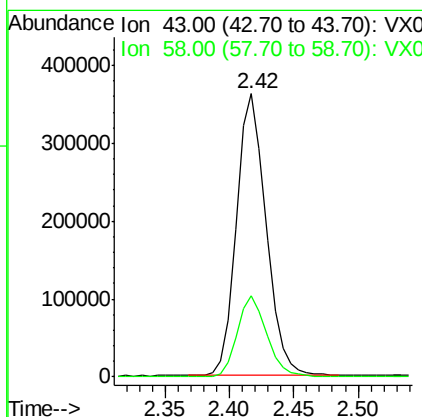
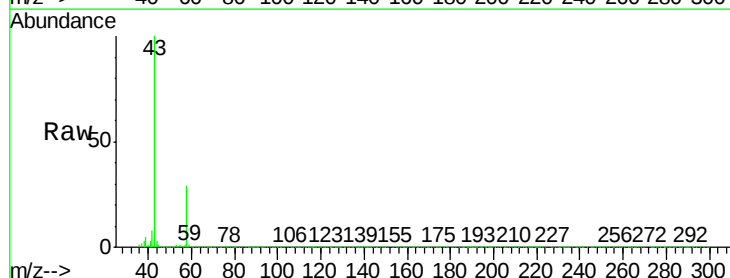
RT: 2.42 min Scan# 251

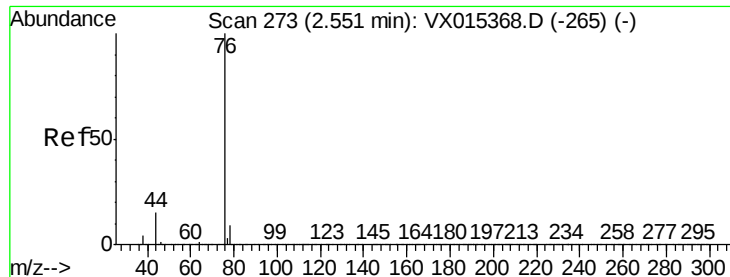
Delta R.T. -0.00 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Tgt Ion:	43	Resp:	574429
Ion Ratio		Lower	Upper
43	100		
58	28.8	22.1	33.1





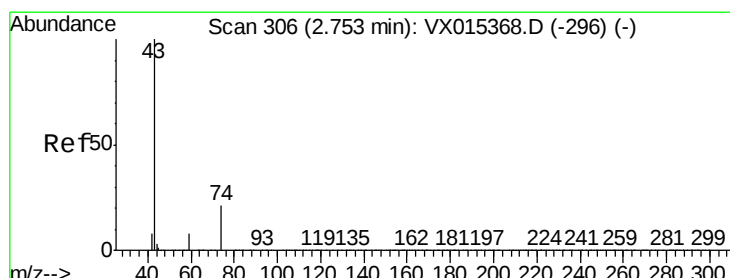
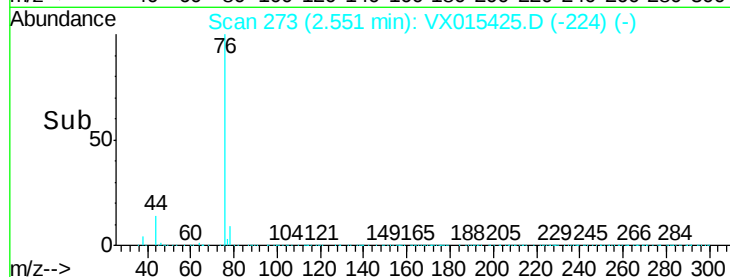
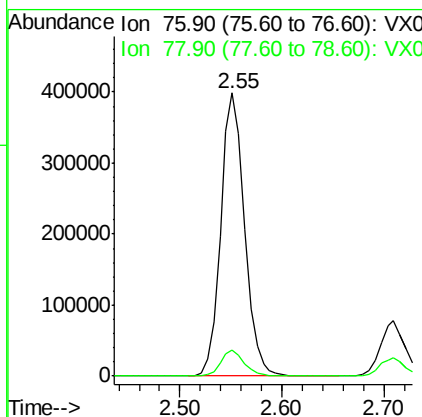
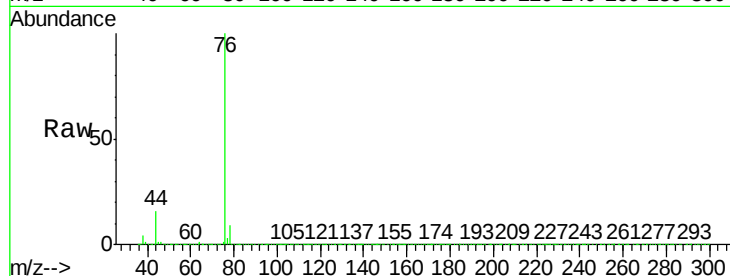
#17
Carbon Disulfide
Concen: 19.290 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

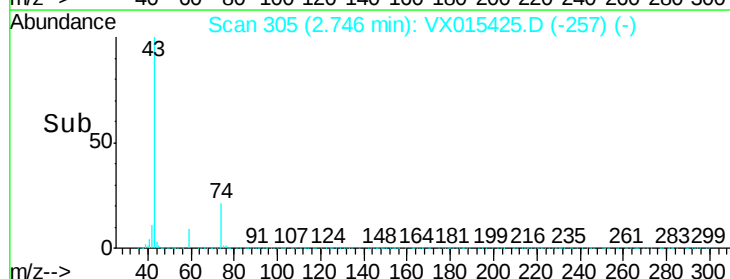
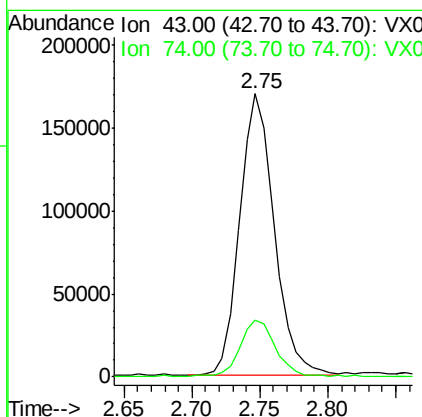
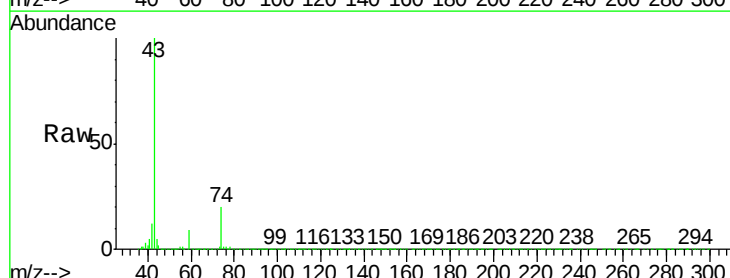
Manual Integrations
APPROVED

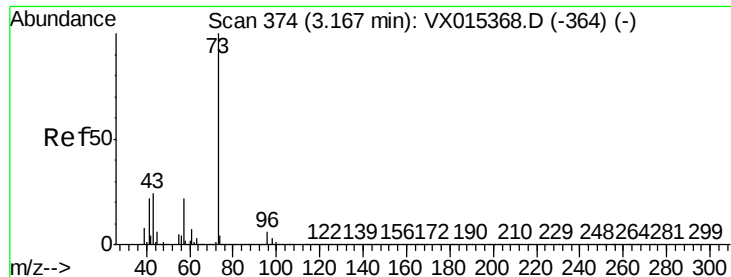
apatel
3/31/2020 11:05:26 AM



#18
Methyl Acetate
Concen: 16.781 ug/l
RT: 2.75 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.5	16.5	24.7





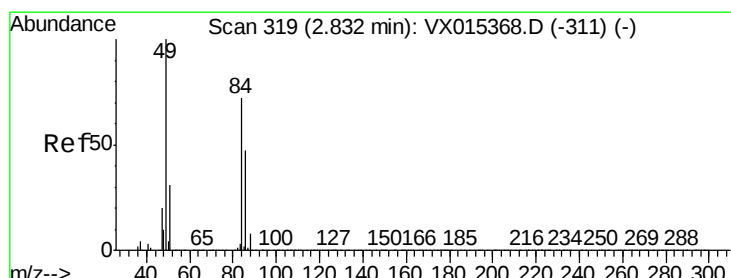
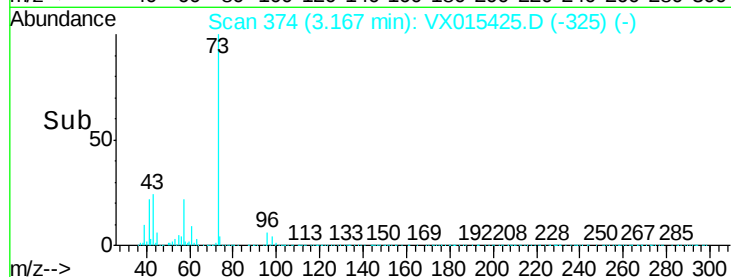
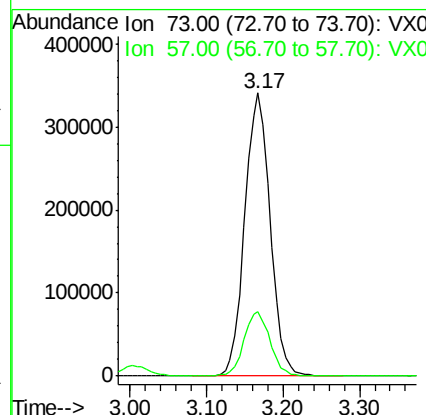
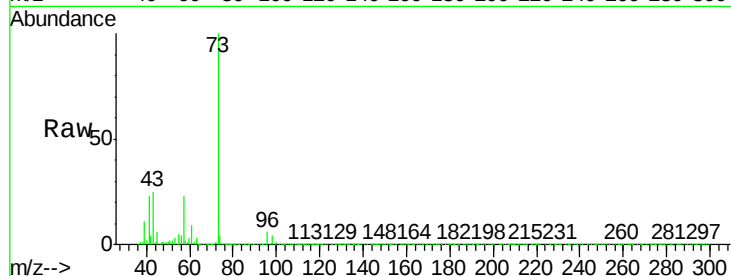
#19
Methyl tert-butyl Ether
Concen: 18.433 ug/l
RT: 3.17 min Scan# 374
Delta R.T. -0.00 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.9	26.9

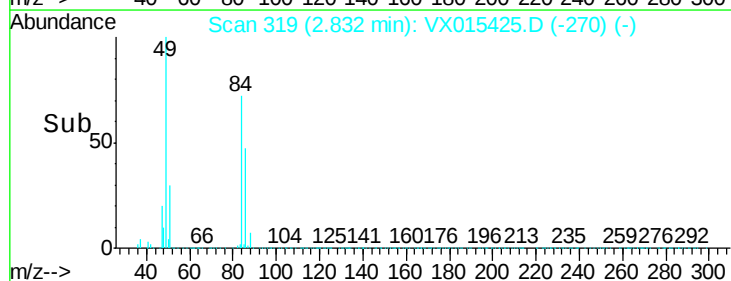
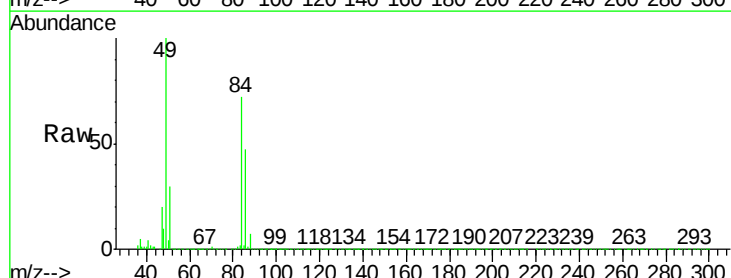
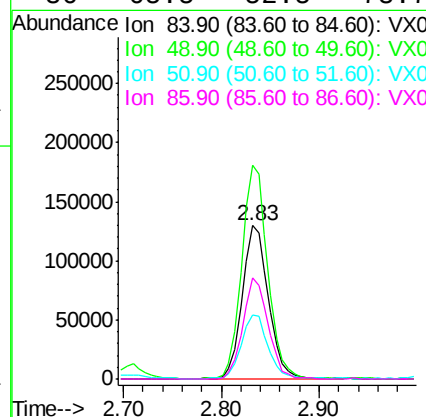
Manual Integrations
APPROVED

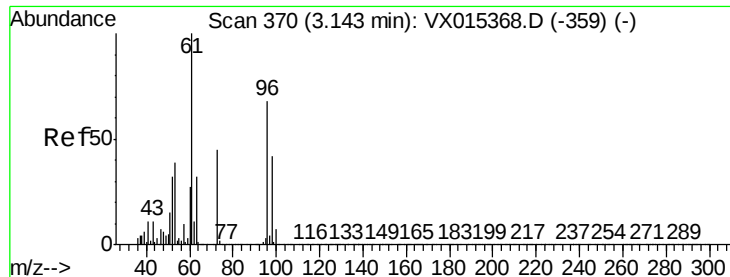
apatel
3/31/2020 11:05:26 AM



#20
Methylene Chloride
Concen: 18.158 ug/l
RT: 2.83 min Scan# 319
Delta R.T. -0.00 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.4	111.3	166.9
51	41.6	34.0	51.0
86	65.5	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 18.821 ug/l

RT: 3.14 min Scan# 370

Delta R.T. -0.00 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Instrument :

MSVOA_X

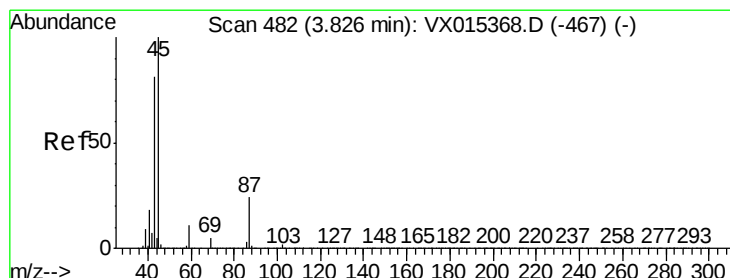
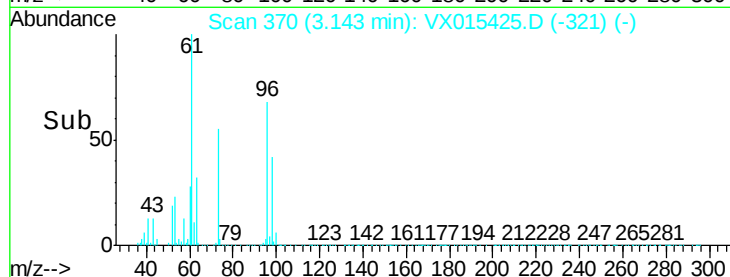
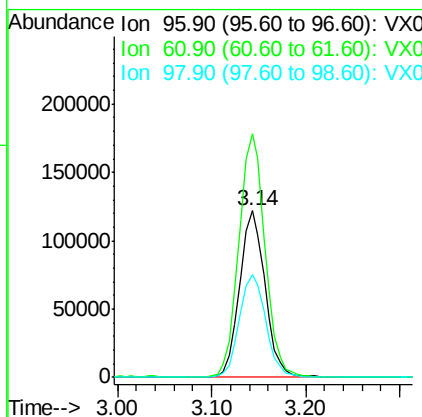
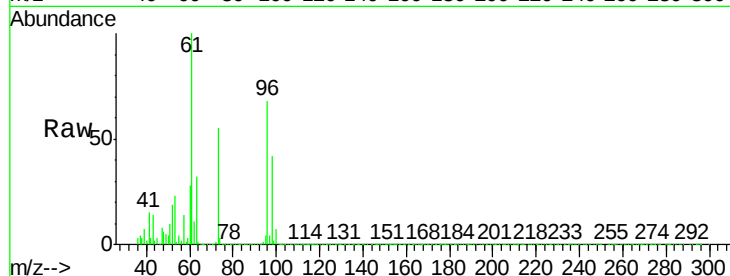
ClientSampleId :

VX0330WBS01

Tot Ion:	96	Resp:	228668
Ion	Ratio	Lower	Upper
96	100		
61	146.2	116.9	175.3
98	61.6	48.6	73.0

Manual Integrations
APPROVED

apatel
3/31/2020 11:05:26 AM



#22

Diisopropyl ether

Concen: 18.943 ug/l

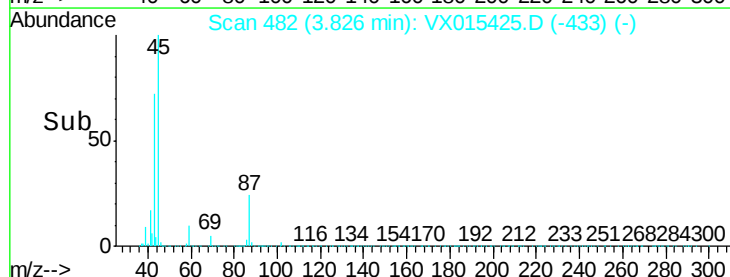
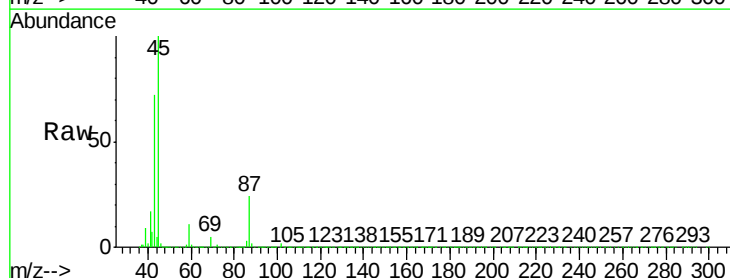
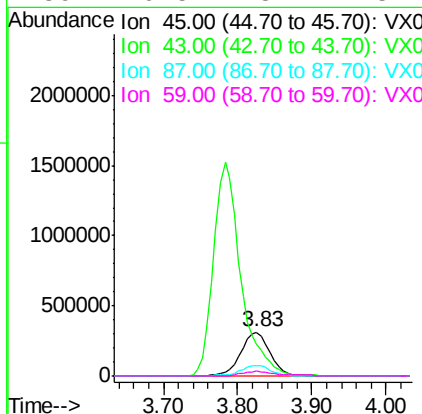
RT: 3.83 min Scan# 482

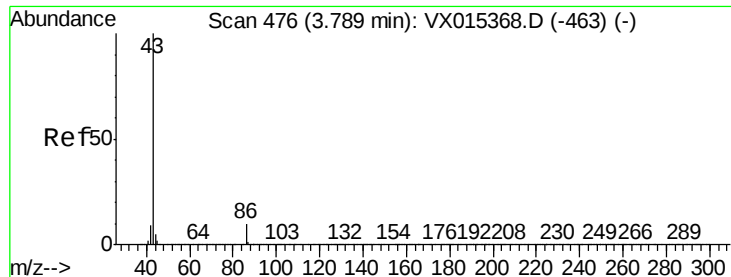
Delta R.T. -0.00 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Tgt Ion:	45	Resp:	858641
Ion	Ratio	Lower	Upper
45	100		
43	71.2	64.7	97.1
87	24.1	19.4	29.0
59	10.5	8.7	13.1





#23

Vinyl Acetate

Concen: 94.259 ug/l

RT: 3.78 min Scan# 475

Delta R.T. -0.01 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0330WBS01

Tot Ion: 43 Resp: 3868266

Ion Ratio Lower Upper

43 100

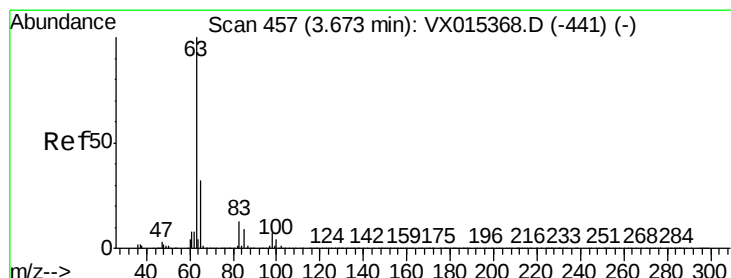
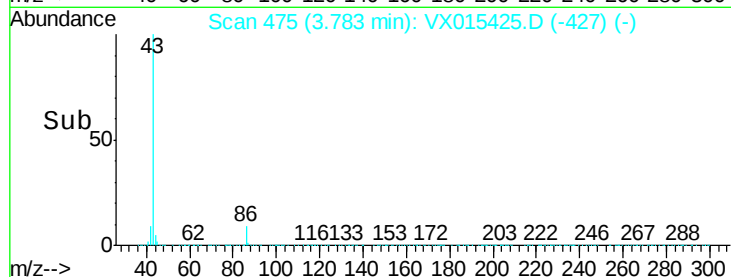
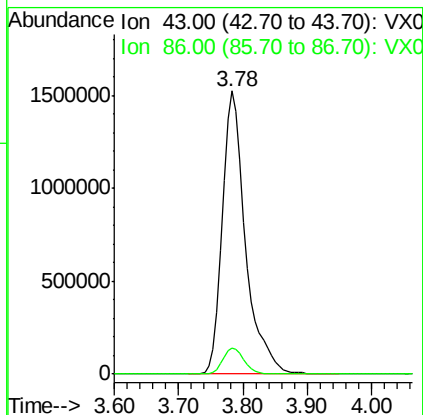
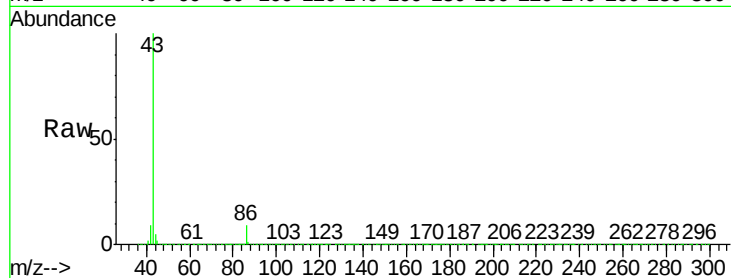
86 9.1 7.8 11.6

Manual Integrations

APPROVED

apatel

3/31/2020 11:05:26 AM



#24

1,1-Dichloroethane

Concen: 18.498 ug/l

RT: 3.67 min Scan# 457

Delta R.T. -0.00 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

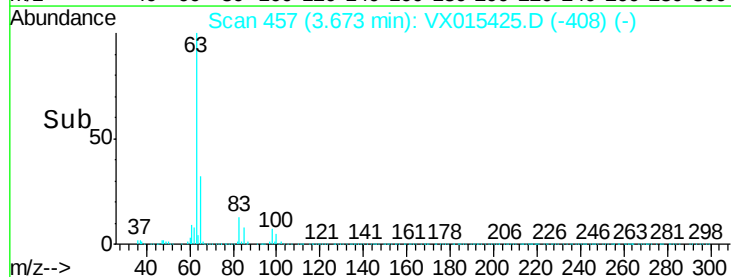
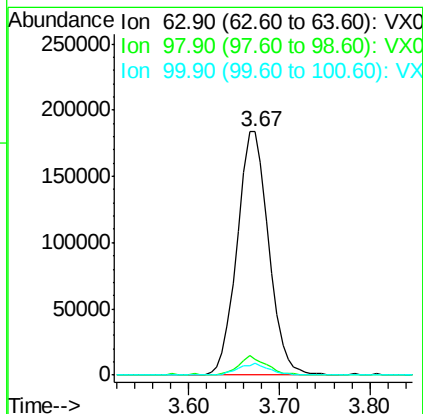
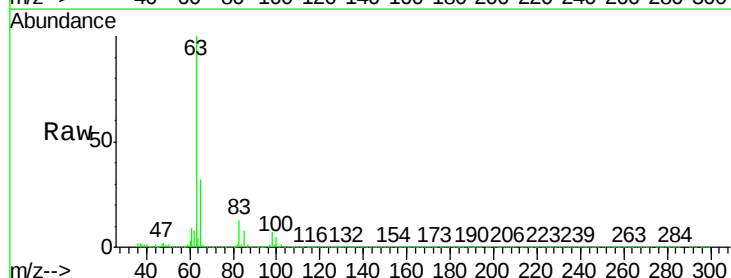
Tgt Ion: 63 Resp: 441446

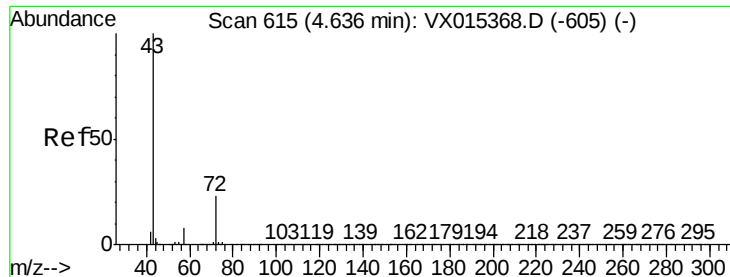
Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

100 4.9 2.1 6.5





#25

2-Butanone

Concen: 82.182 ug/l

RT: 4.63 min Scan# 614

Delta R.T. -0.01 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Tot Ion: 43 Resp: 928617

Ion Ratio Lower Upper

43 100

72 22.6 19.0 28.4

Instrument :

MSVOA_X

ClientSampleId :

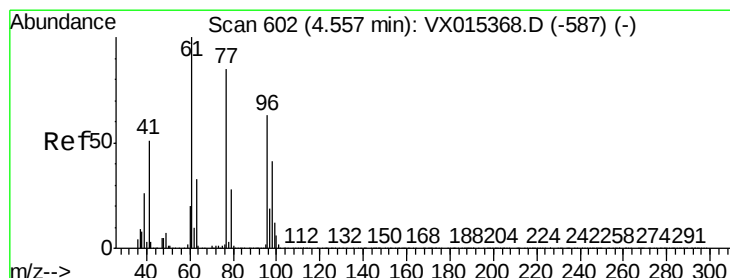
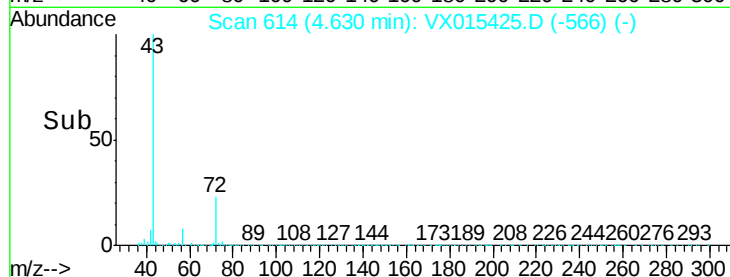
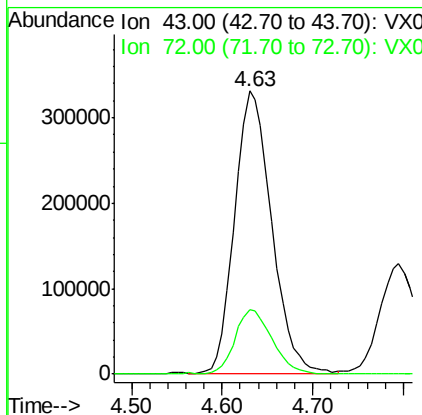
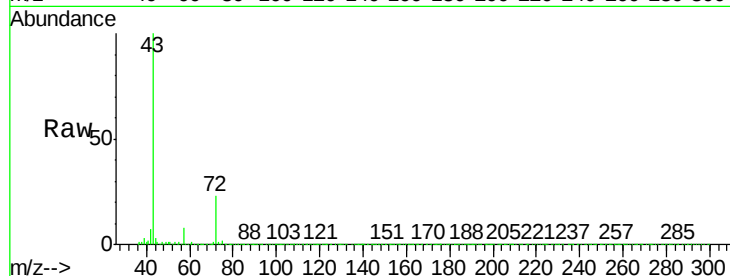
VX0330WBS01

Manual Integrations

APPROVED

apatel

3/31/2020 11:05:26 AM



#26

2,2-Dichloropropane

Concen: 20.247 ug/l

RT: 4.55 min Scan# 601

Delta R.T. -0.01 min

Lab File: VX015425.D

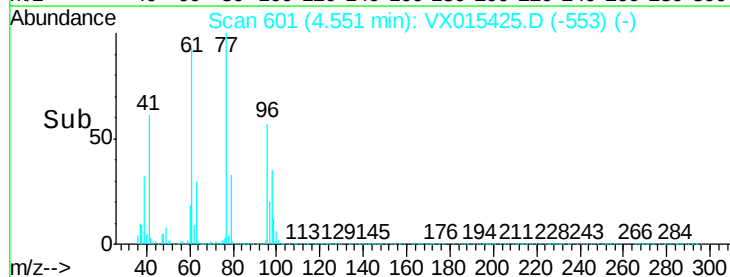
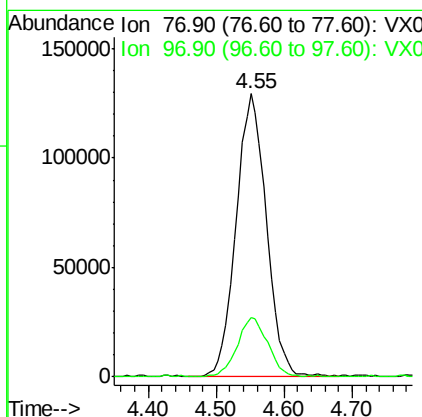
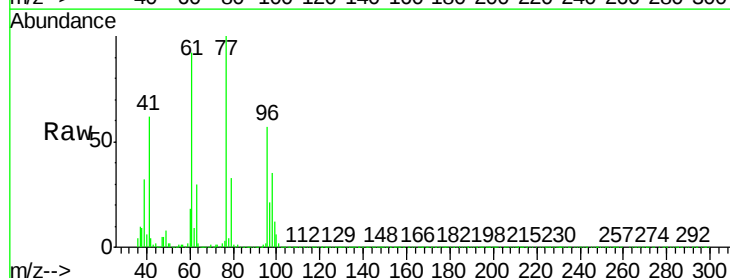
Acq: 30 Mar 2020 14:00

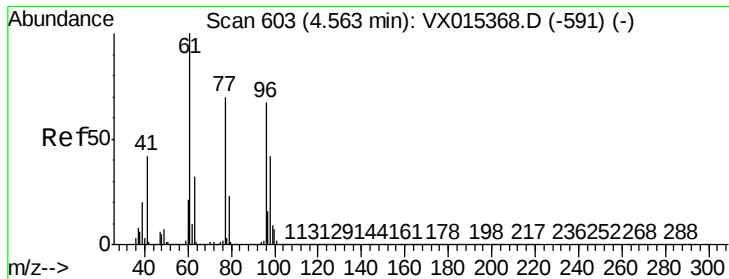
Tgt Ion: 77 Resp: 396611

Ion Ratio Lower Upper

77 100

97 20.7 11.3 33.8





#27

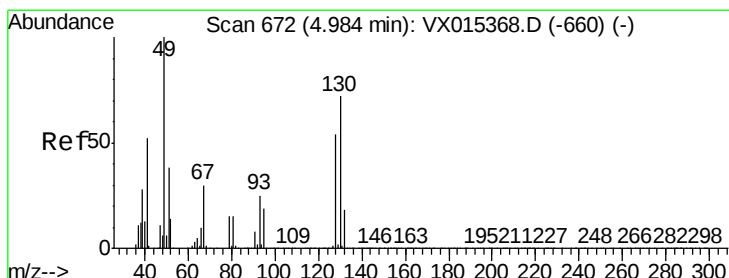
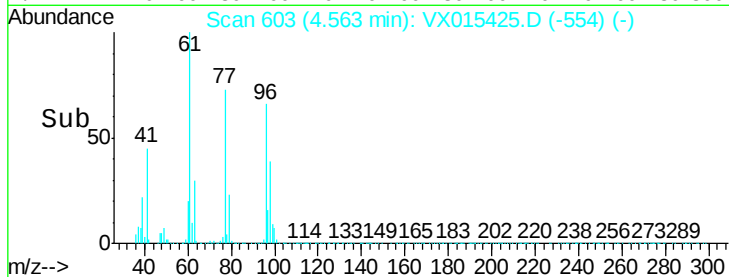
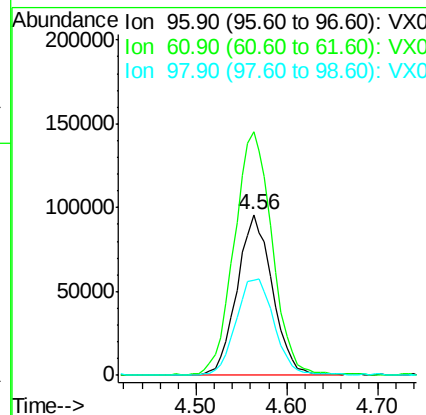
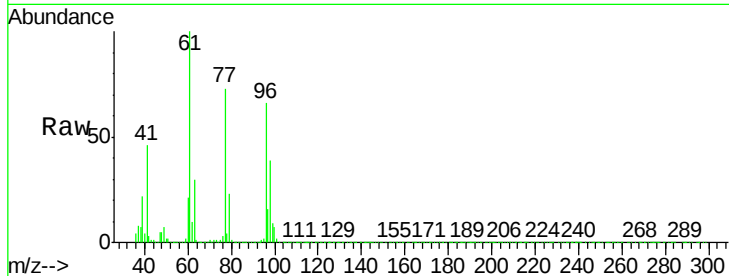
cis-1,2-Dichloroethene
Concen: 18.290 ug/l
RT: 4.56 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	257096		
61	163.4	0.0	308.4	
98	64.6	0.0	129.2	

Manual Integrations
APPROVED

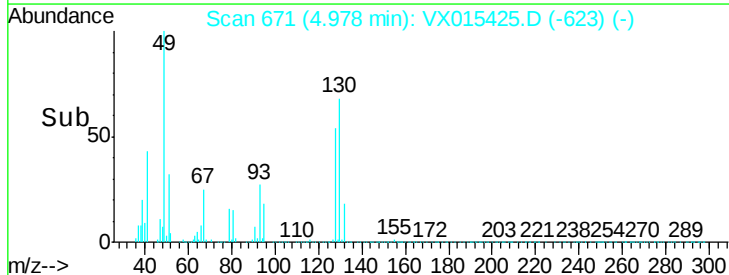
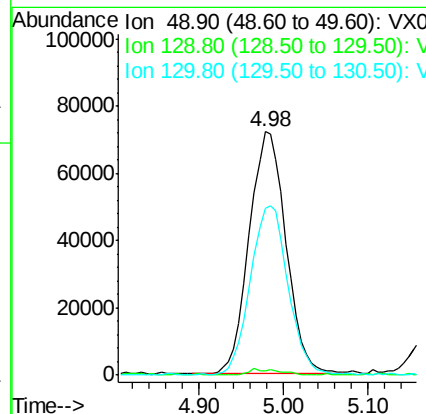
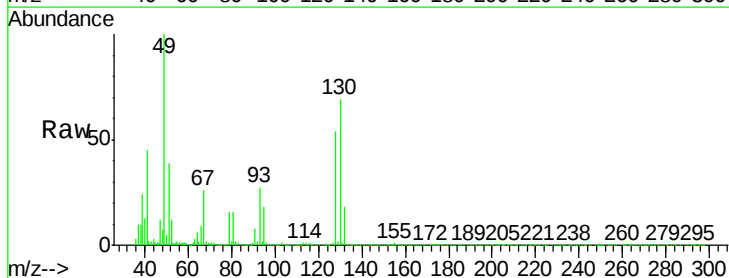
apatel
3/31/2020 11:05:26 AM

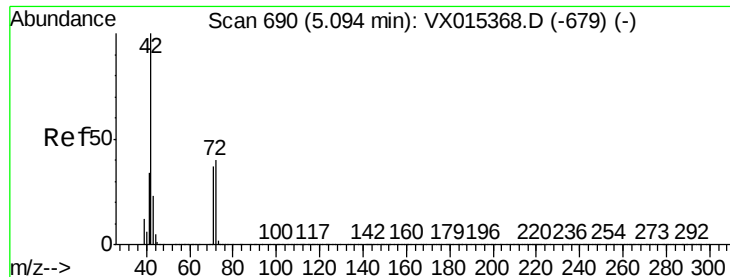


#28

Bromochloromethane
Concen: 18.755 ug/l
RT: 4.98 min Scan# 671
Delta R.T. -0.01 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	213698		
129	2.3	0.0	4.4	
130	71.2	57.7	86.5	





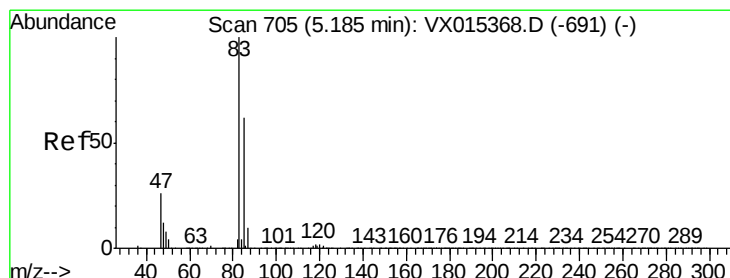
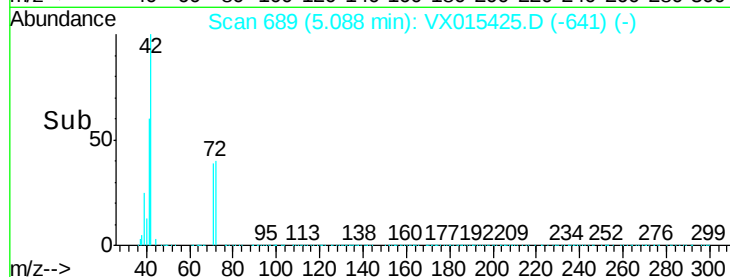
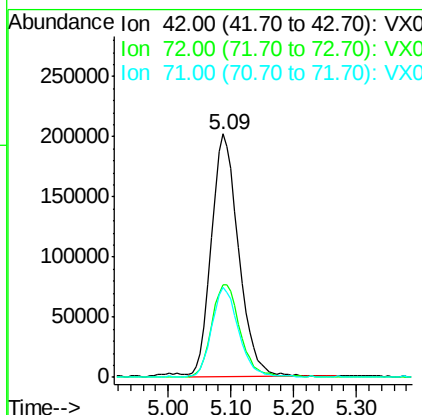
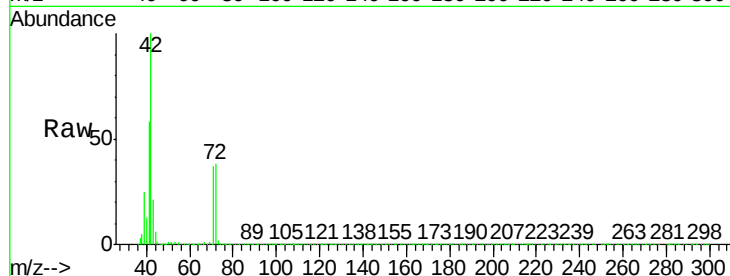
#29
Tetrahydrofuran
Concen: 83.171 ug/l
RT: 5.09 min Scan# 689
Delta R.T. -0.01 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Instrument :
MSVOA_X
ClientSampled :
VX0330WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	31.7	47.5
71	36.1	29.6	44.4

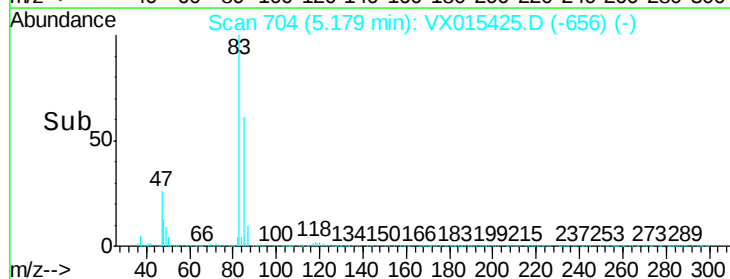
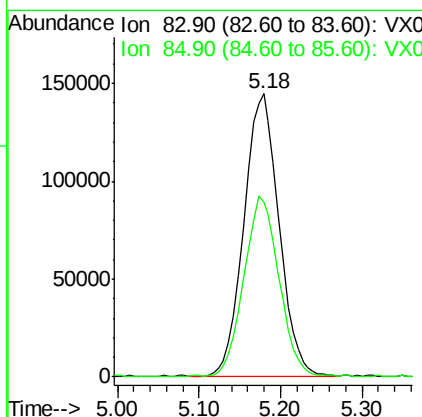
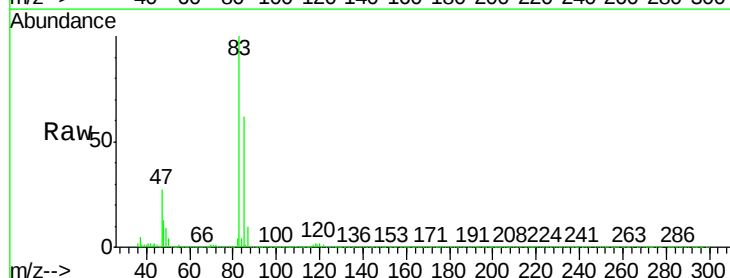
Manual Integrations
APPROVED

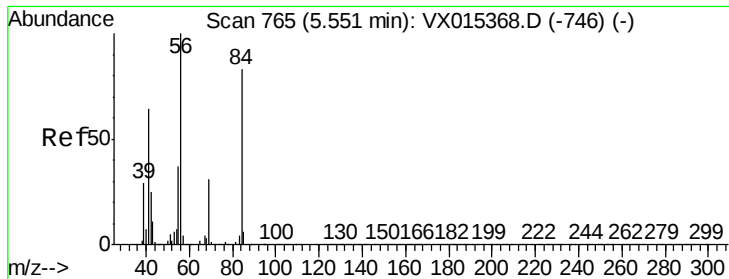
apatel
3/31/2020 11:05:26 AM



#30
Chloroform
Concen: 18.991 ug/l
RT: 5.18 min Scan# 704
Delta R.T. -0.01 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.6	49.5	74.3





#31

Cyclohexane

Concen: 19.941 ug/l

RT: 5.55 min Scan# 765

Delta R.T. -0.00 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Instrument :

MSVOA_X

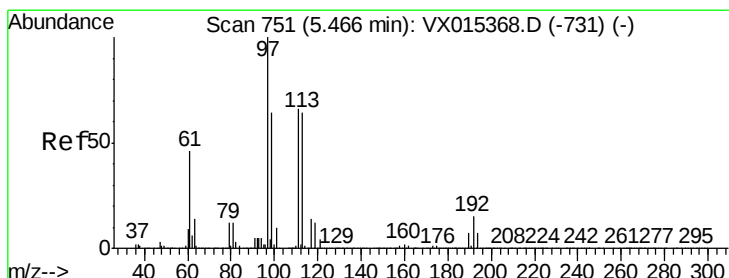
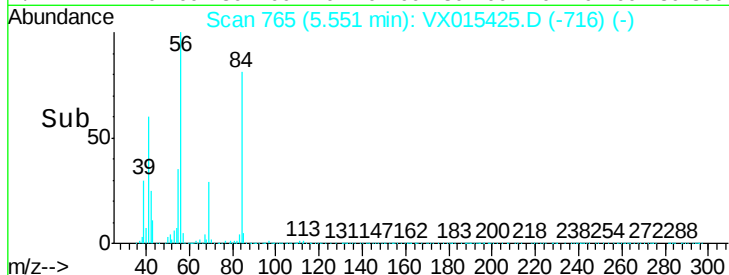
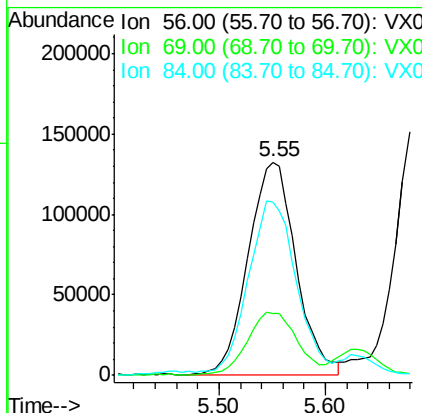
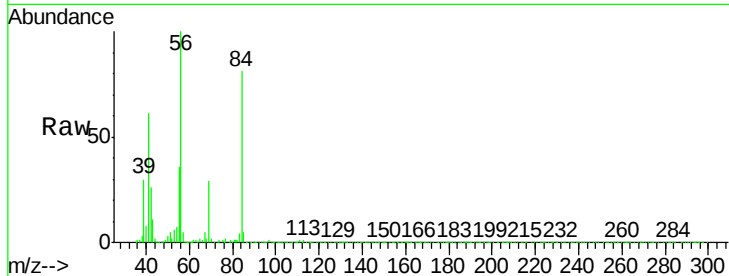
ClientSampled :

VX0330WBS01

Tot Ion:	56	Resp:	412839
Ion Ratio	Lower	Upper	
56	100		
69	29.2	24.6	36.8
84	79.8	66.1	99.1

Manual Integrations
APPROVED

apatel
3/31/2020 11:05:26 AM



#32

1,1,1-Trichloroethane

Concen: 19.026 ug/l

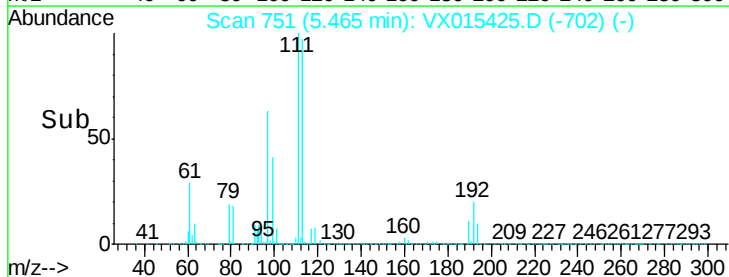
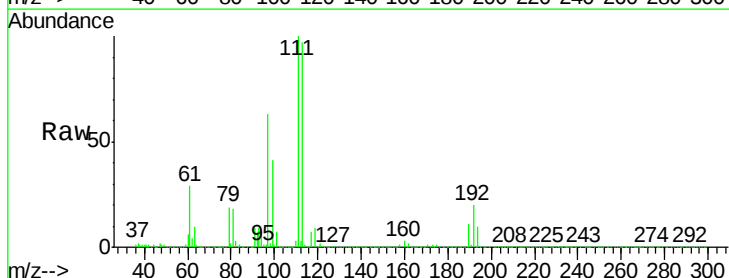
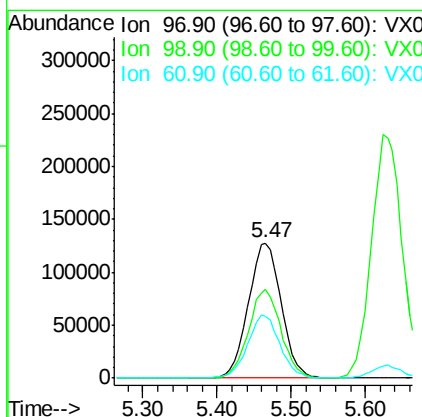
RT: 5.47 min Scan# 751

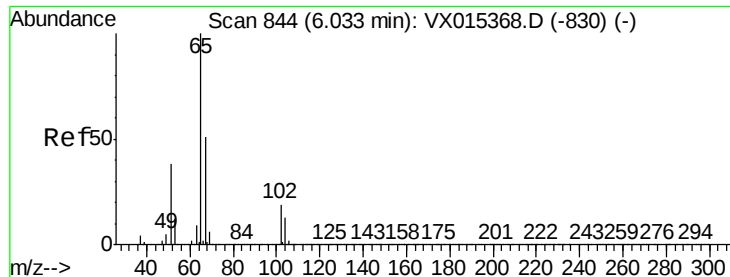
Delta R.T. -0.00 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Tgt Ion:	97	Resp:	395351
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.0	76.4
61	44.9	36.1	54.1





#33

1,2-Dichloroethane-d4

Concen: 46.284 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.00 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0330WBS01

Tot Ion: 65 Resp: 756931

Ion Ratio Lower Upper

65 100

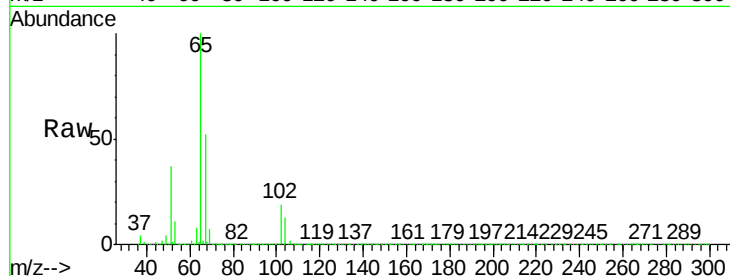
67 50.9 0.0 102.6

Manual Integrations

APPROVED

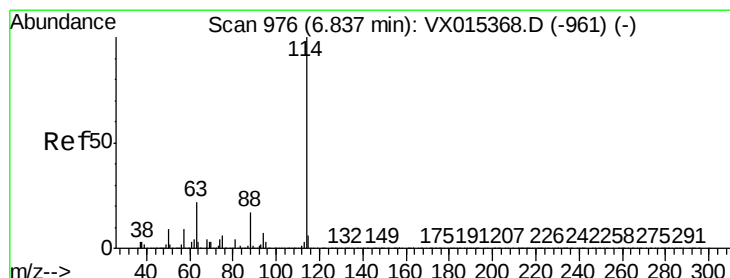
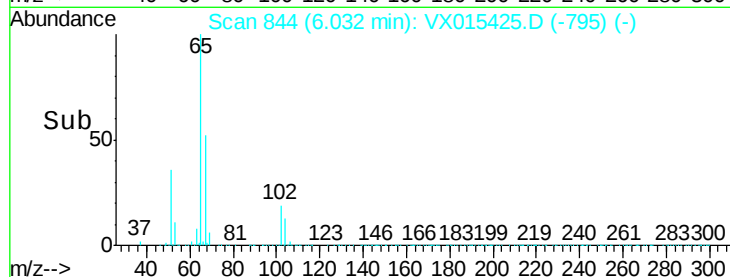
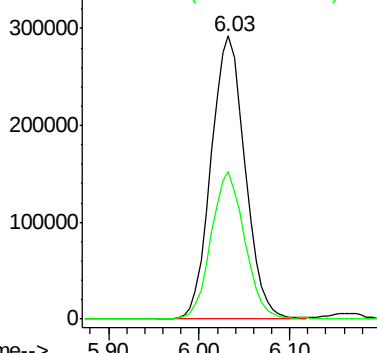
apatel

3/31/2020 11:05:26 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

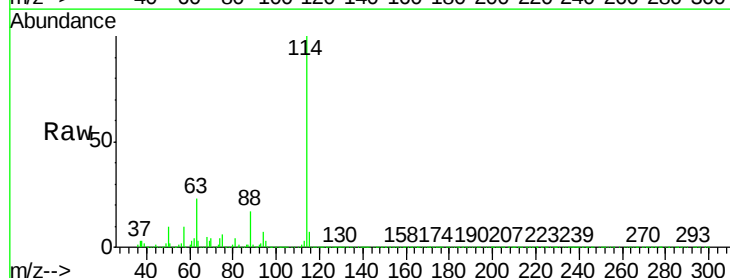
Tgt Ion: 114 Resp: 1768957

Ion Ratio Lower Upper

114 100

63 23.4 0.0 44.2

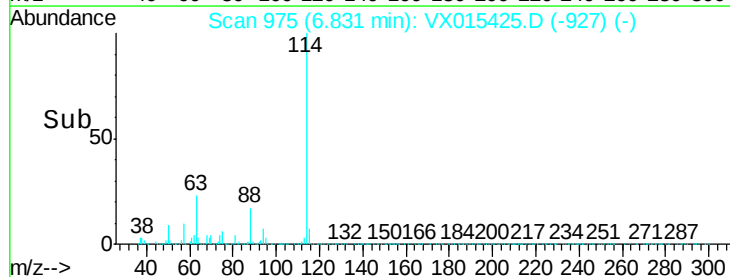
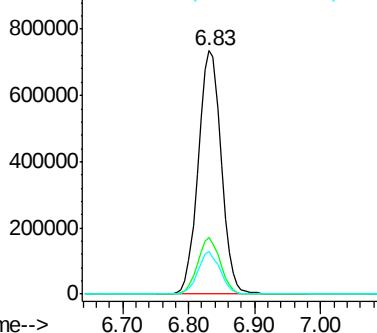
88 17.2 0.0 33.8

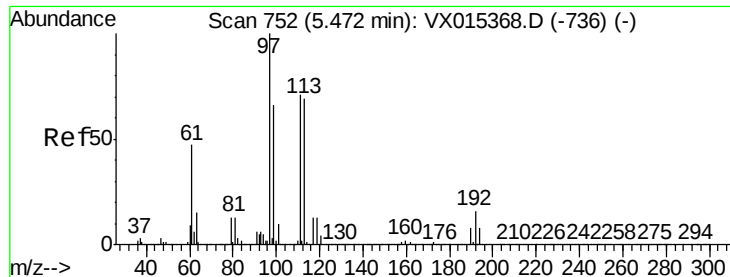


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





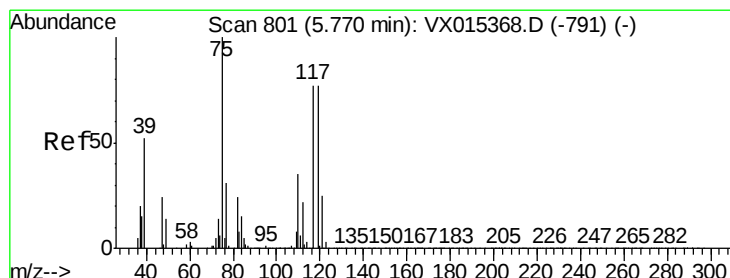
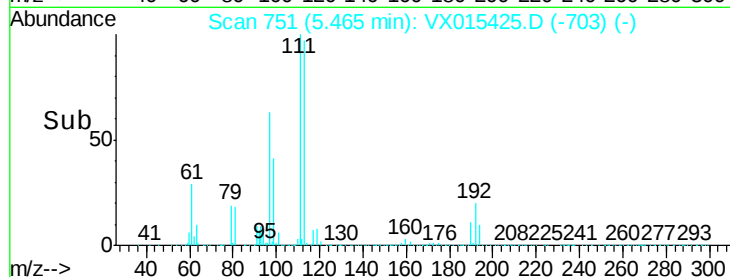
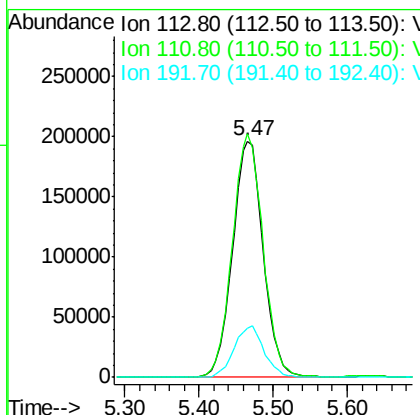
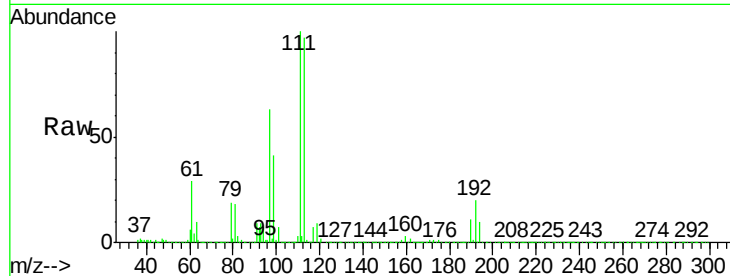
#35
 Dibromofluoromethane
 Concen: 49.902 ug/l
 RT: 5.47 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: VX015425.D
 Acq: 30 Mar 2020 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0330WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.5	122.3
192	21.4	17.8	26.6

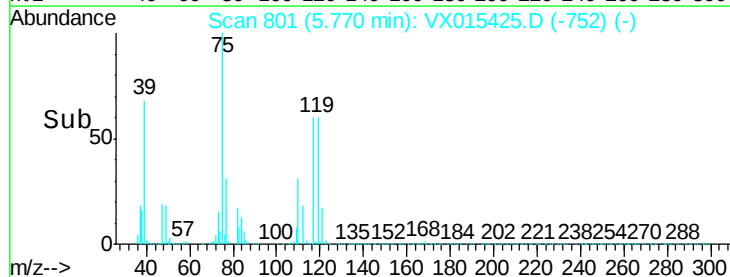
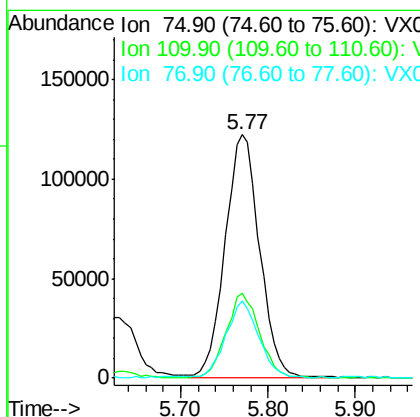
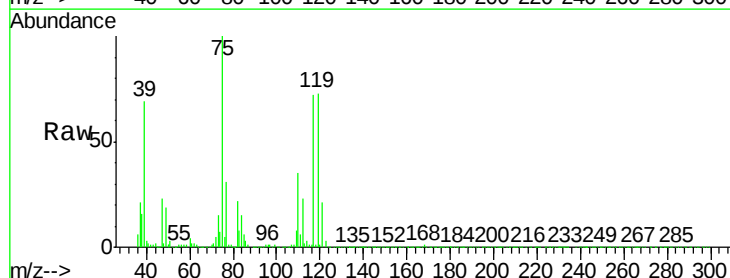
Manual Integrations
 APPROVED

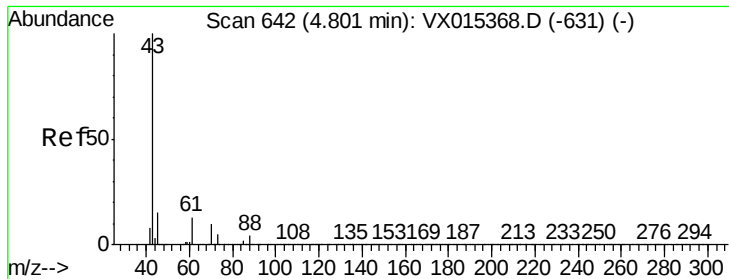
apatel
 3/31/2020 11:05:26 AM



#36
 1,1-Dichloropropene
 Concen: 20.406 ug/l
 RT: 5.77 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VX015425.D
 Acq: 30 Mar 2020 14:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.0	17.1	51.3
77	30.2	24.6	36.8





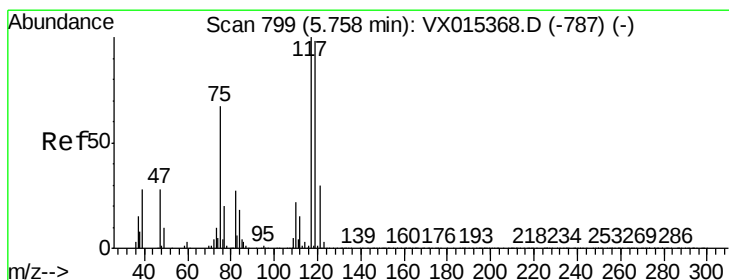
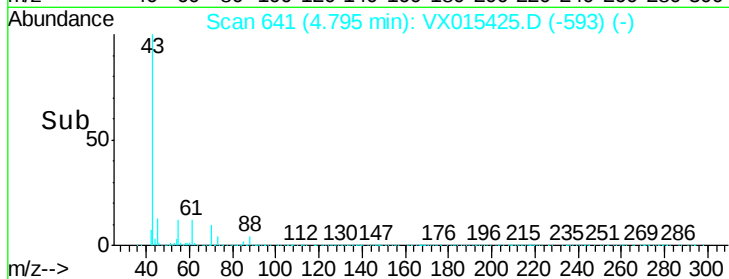
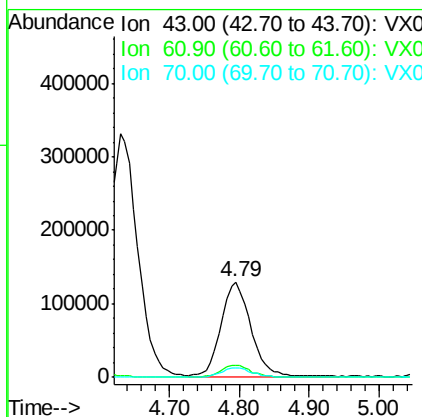
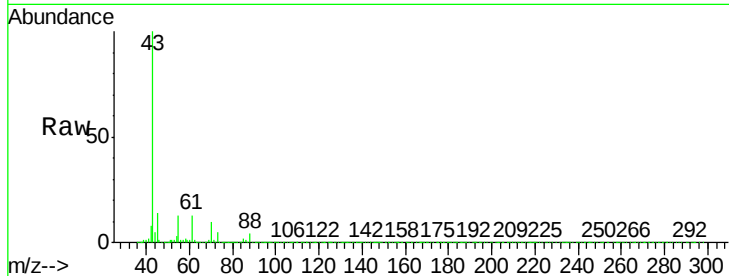
#37
Ethyl Acetate
Concen: 17.849 ug/l
RT: 4.79 min Scan# 641
Delta R.T. -0.01 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBS01

Tot Ion	43	Resp	378803
Ion Ratio	Lower	Upper	
43	100		
61	12.3	9.9	14.9
70	9.7	8.1	12.1

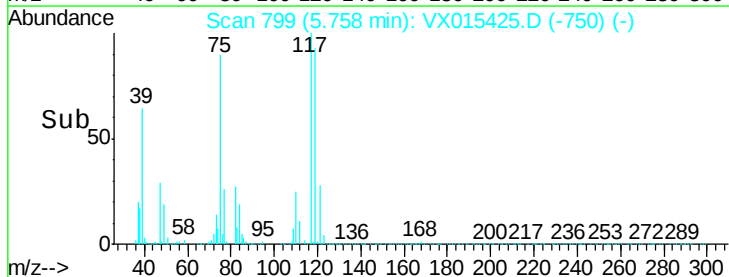
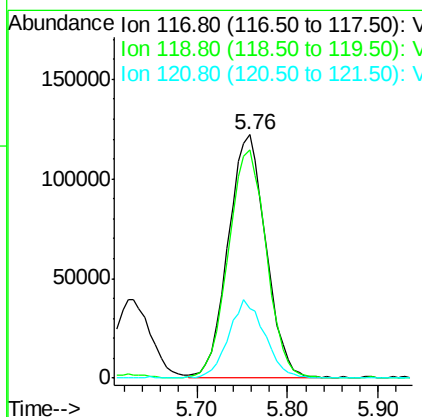
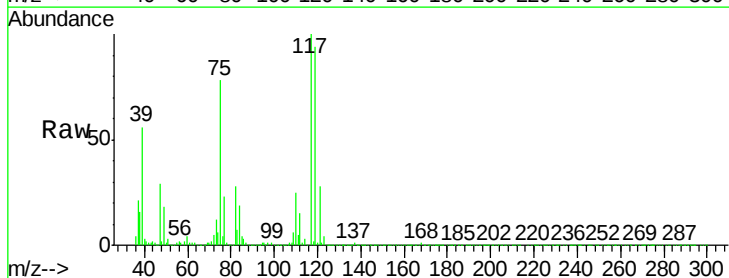
Manual Integrations
APPROVED

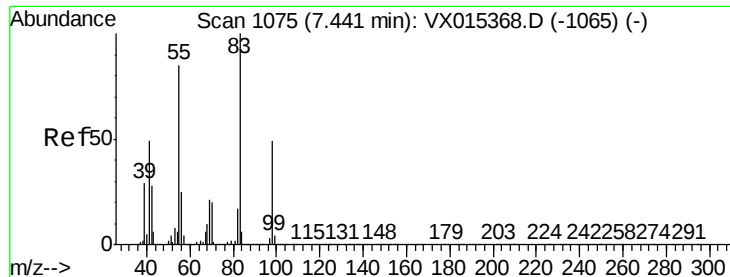
apatel
3/31/2020 11:05:26 AM



#38
Carbon Tetrachloride
Concen: 19.860 ug/l
RT: 5.76 min Scan# 799
Delta R.T. -0.00 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Tgt Ion	117	Resp	350601
Ion Ratio	Lower	Upper	
117	100		
119	93.5	78.0	117.0
121	28.3	23.8	35.8





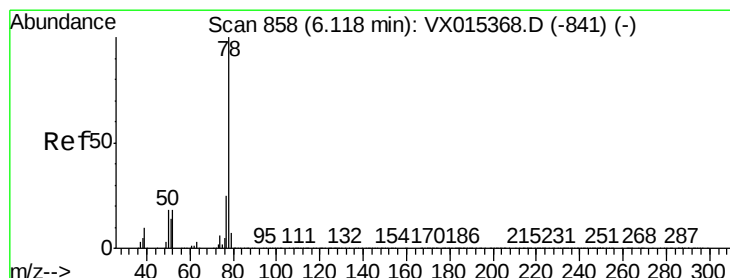
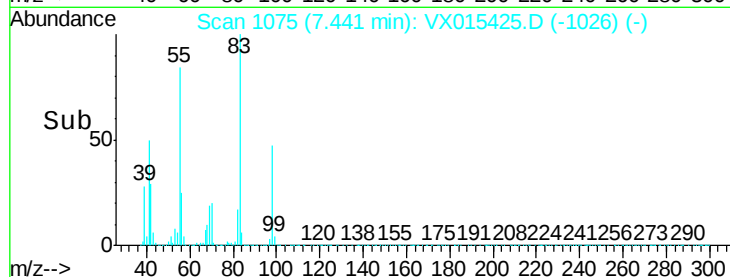
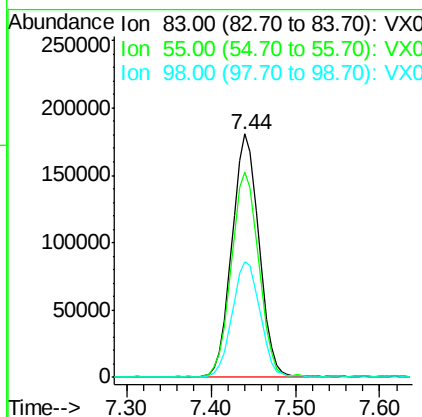
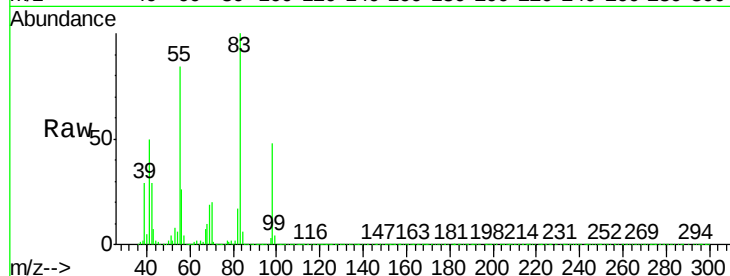
#39
Methvlcvclohexane
Concen: 20.843 ug/l
RT: 7.44 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.7	67.8	101.6
98	47.5	39.3	58.9

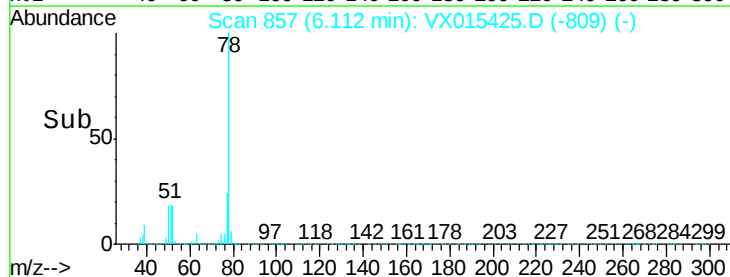
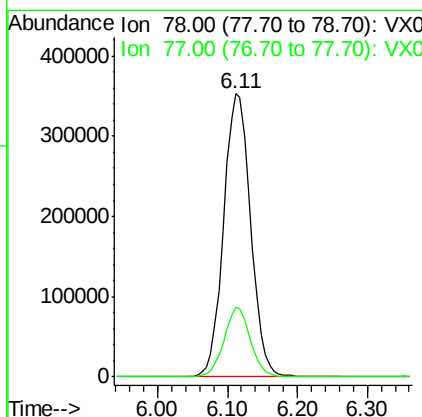
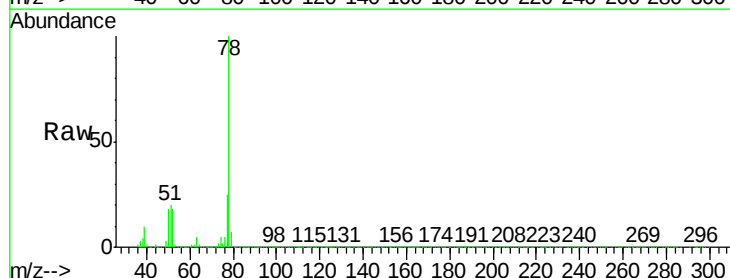
Manual Integrations
APPROVED

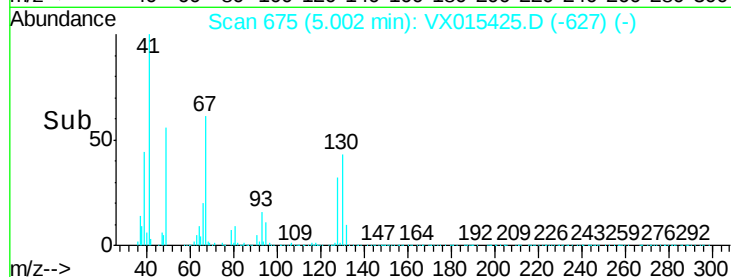
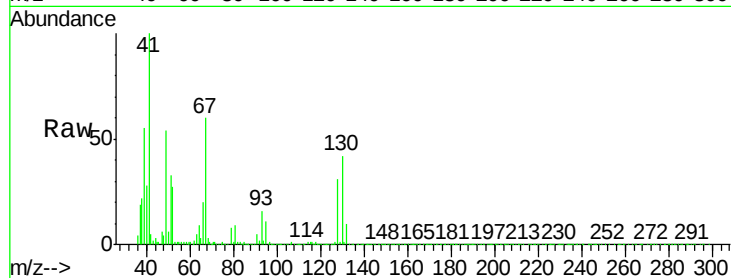
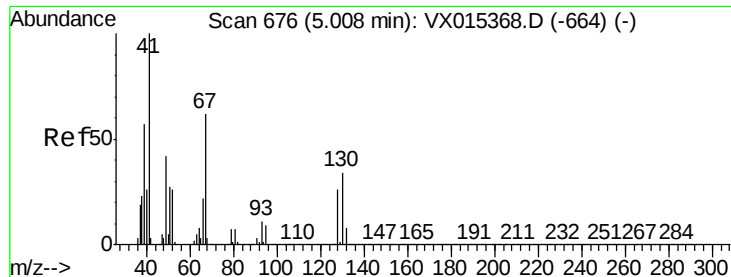
apatel
3/31/2020 11:05:26 AM



#40
Benzene
Concen: 19.698 ug/l
RT: 6.11 min Scan# 857
Delta R.T. -0.01 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.8	29.8





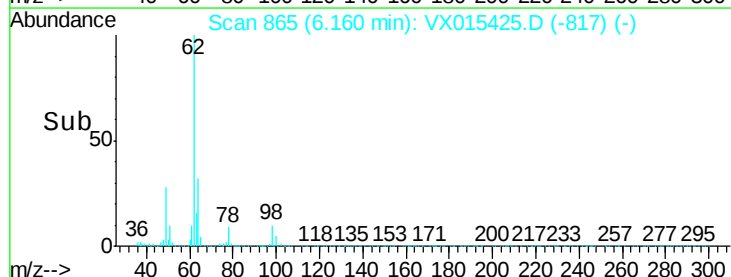
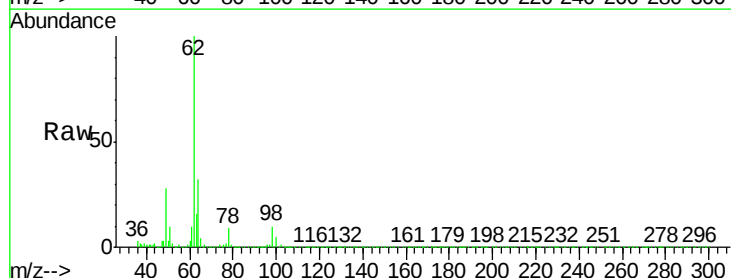
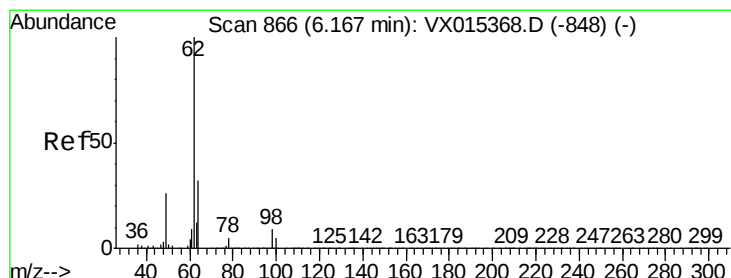
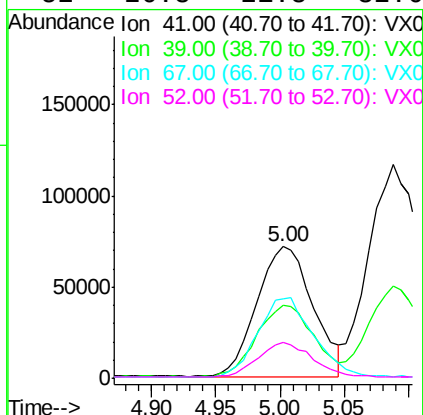
#41
Methacrylonitrile
Concen: 18.377 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		216503		
39	55.2	44.5	66.7		
67	61.9	48.9	73.3		
52	26.8	21.8	32.6		

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBS01

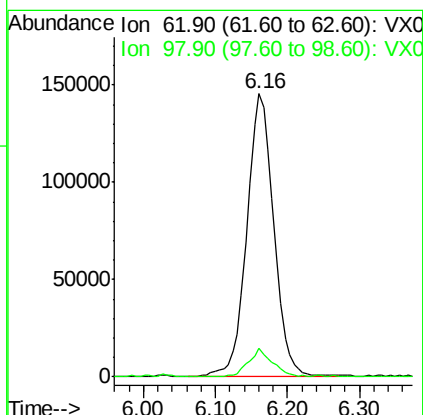
Manual Integrations
APPROVED

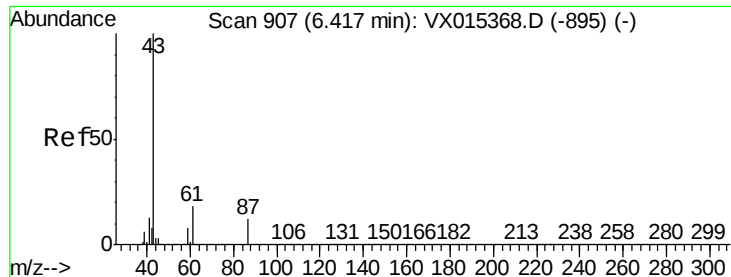
apatel
3/31/2020 11:05:26 AM



#42
1,2-Dichloroethane
Concen: 19.669 ug/l
RT: 6.16 min Scan# 865
Delta R.T. -0.01 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		377201		
98	8.7	0.0	17.6		





#43

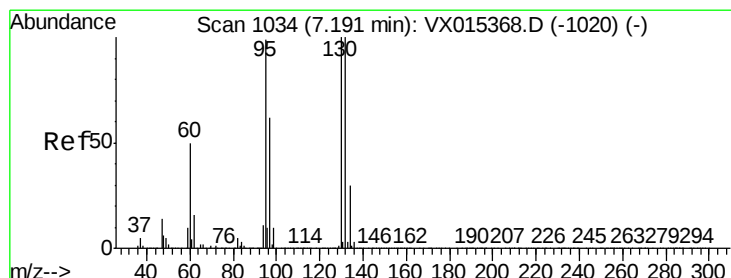
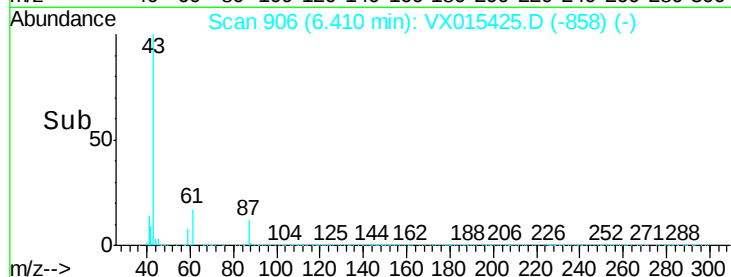
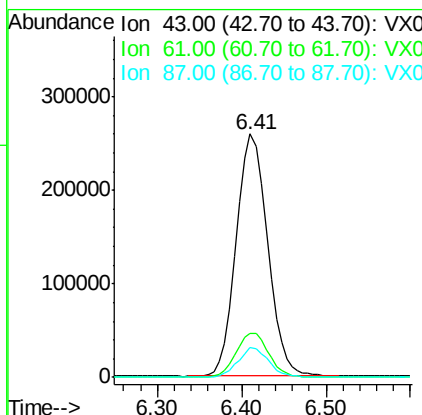
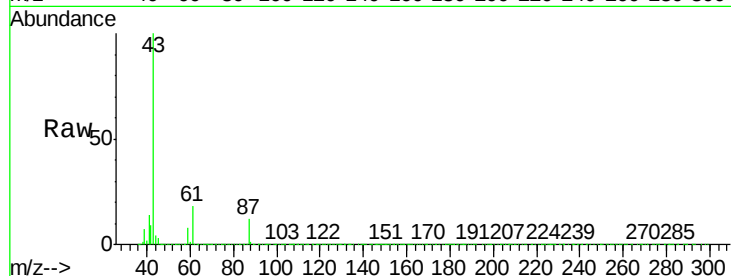
Isopropyl Acetate
 Concen: 18.330 ug/l
 RT: 6.41 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: VX015425.D
 Acq: 30 Mar 2020 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0330WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.8	22.2
87	12.1	9.4	14.0

Manual Integrations
 APPROVED

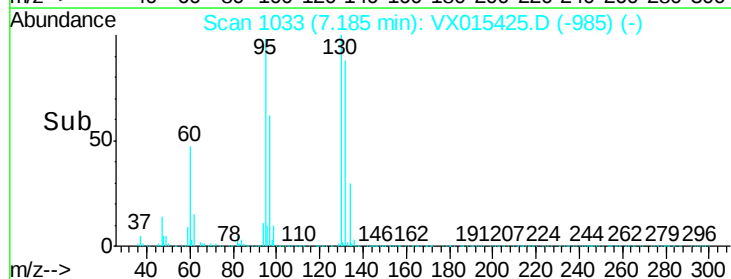
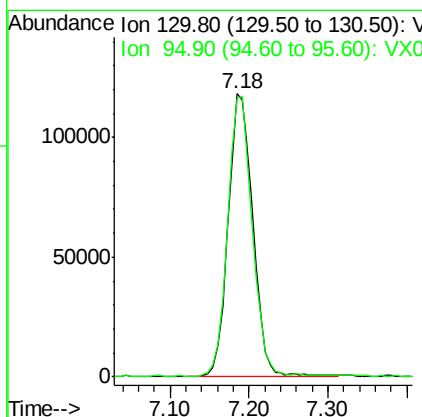
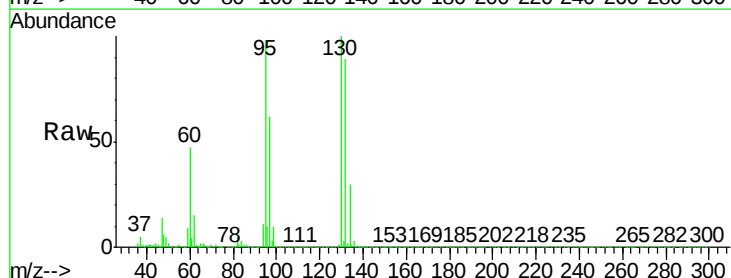
apatel
 3/31/2020 11:05:26 AM

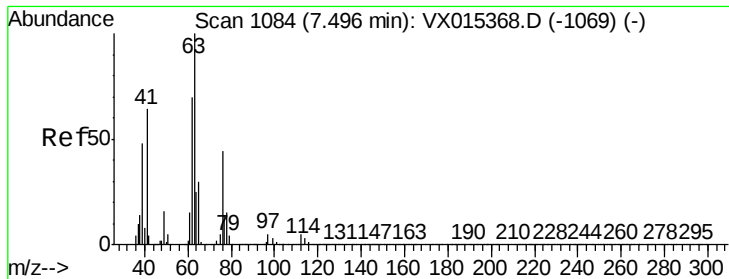


#44

Trichloroethene
 Concen: 19.677 ug/l
 RT: 7.18 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: VX015425.D
 Acq: 30 Mar 2020 14:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	199.0





#45

1,2-Dichloropropane

Concen: 19.391 ug/l

RT: 7.49 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Instrument :

MSVOA_X

ClientSampled :

VX0330WBS01

Tot Ion: 63 Resp: 253264

Ion Ratio Lower Upper

63 100

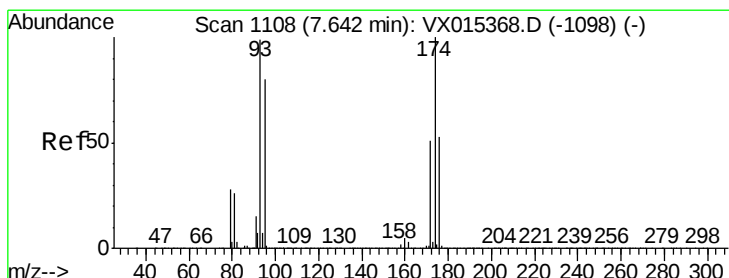
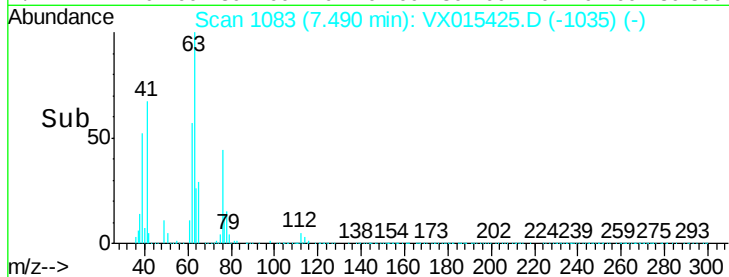
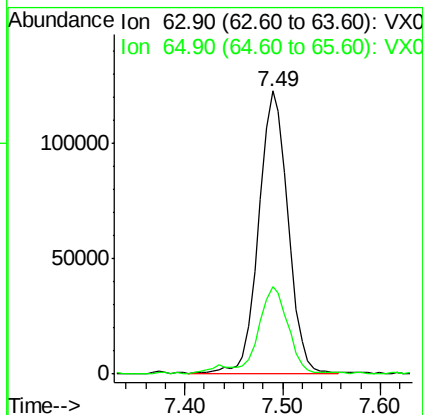
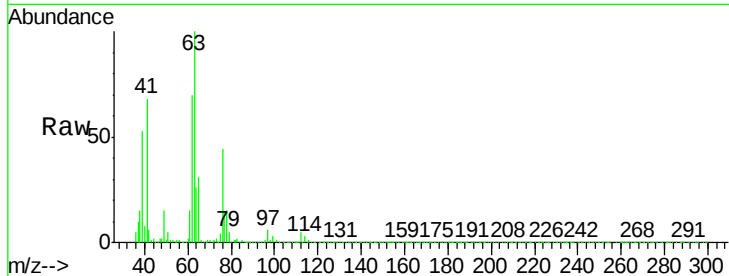
65 30.8 23.9 35.9

Manual Integrations

APPROVED

apatel

3/31/2020 11:05:26 AM



#46

Dibromomethane

Concen: 19.424 ug/l

RT: 7.64 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

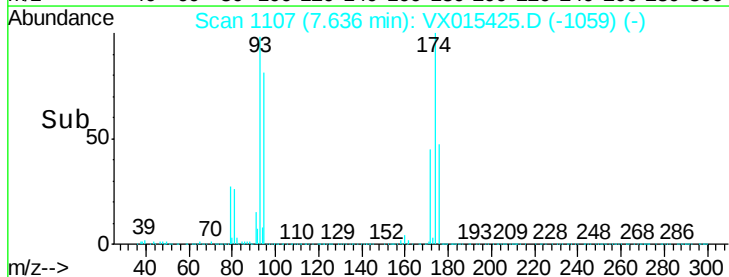
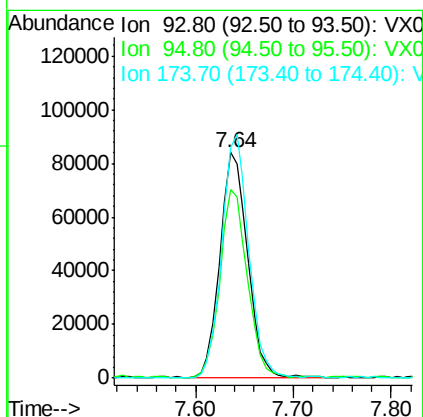
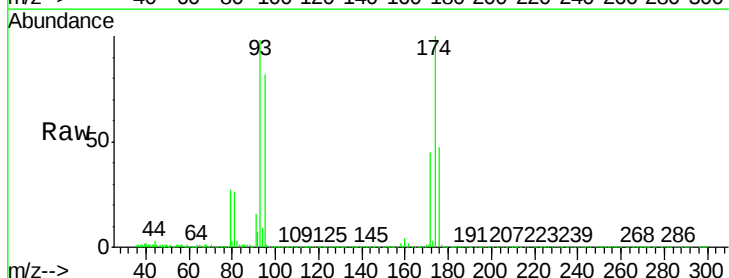
Tgt Ion: 93 Resp: 166417

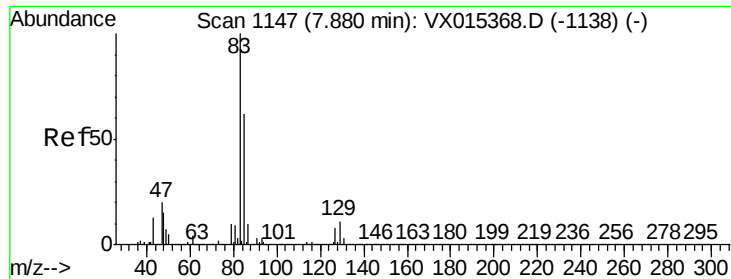
Ion Ratio Lower Upper

93 100

95 81.4 65.8 98.8

174 104.5 86.2 129.2





#47

Bromodichloromethane

Concen: 19.321 ug/l

RT: 7.87 min Scan# 1146

Delta R.T. -0.01 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Instrument :

MSVOA_X

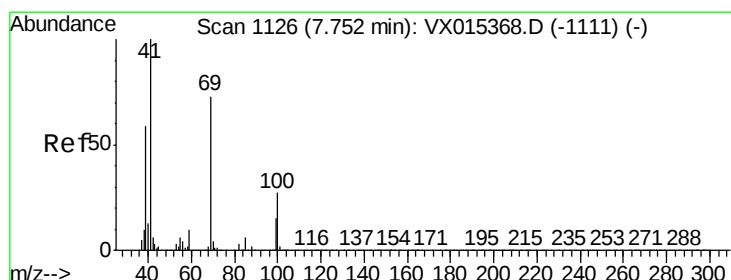
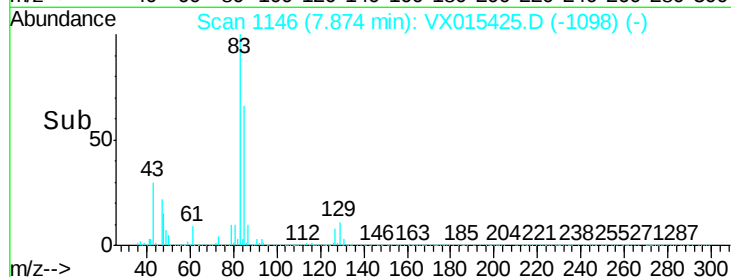
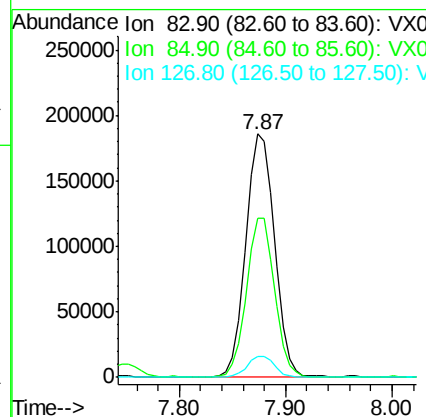
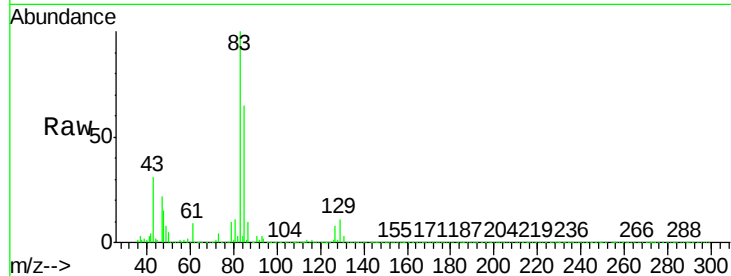
ClientSampleId :

VX0330WBS01

Tot Ion:	83	Resp:	352717
Ion Ratio	Lower	Upper	
83	100		
85	65.2	49.7	74.5
127	8.3	6.7	10.1

Manual Integrations
APPROVED

apatel
3/31/2020 11:05:26 AM



#48

Methyl methacrylate

Concen: 18.494 ug/l

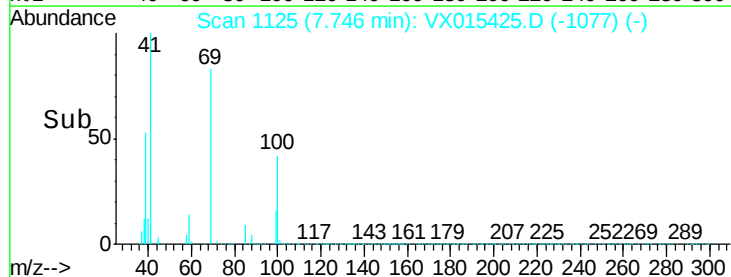
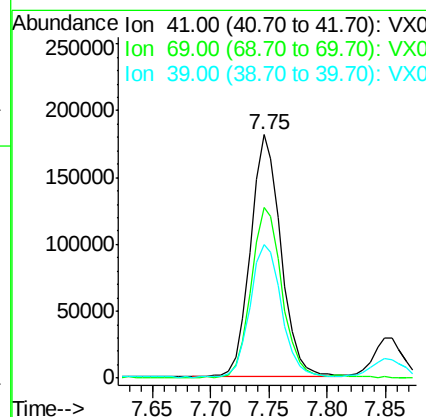
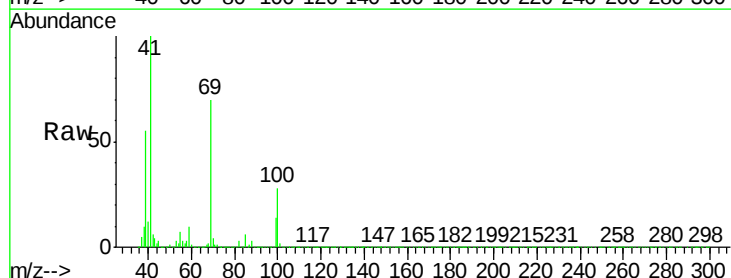
RT: 7.75 min Scan# 1125

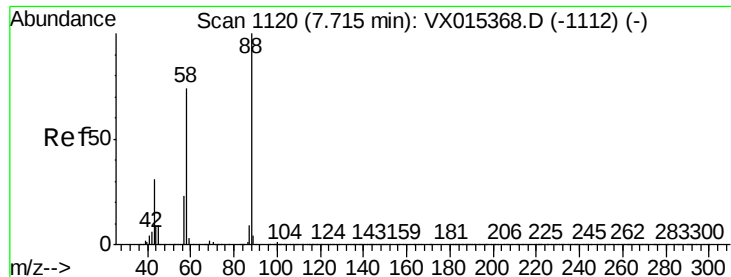
Delta R.T. -0.01 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Tgt Ion:	41	Resp:	330949
Ion Ratio	Lower	Upper	
41	100		
69	71.3	56.7	85.1
39	56.2	46.5	69.7





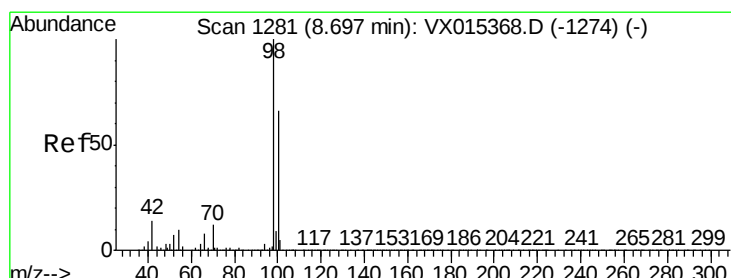
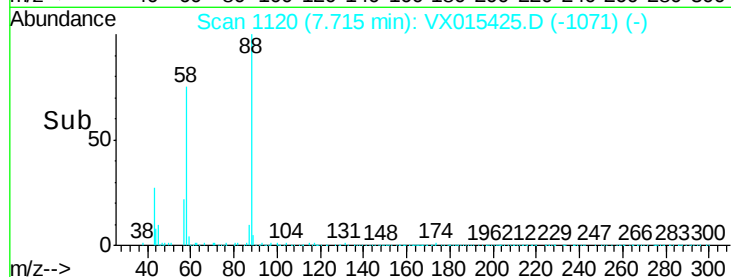
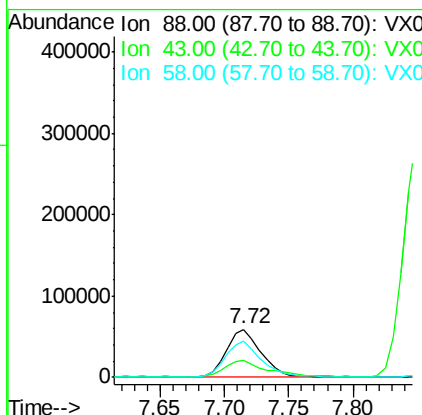
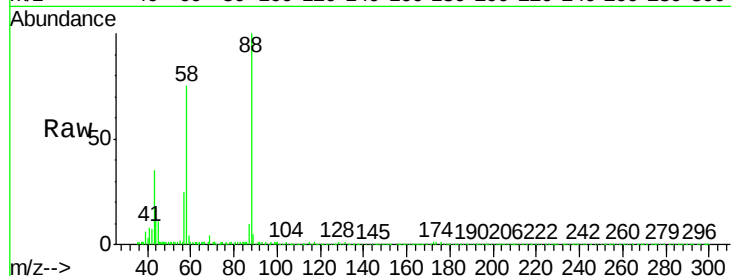
#49
1,4-Dioxane
Concen: 329.011 ug/l
RT: 7.72 min Scan# 1120
Delta R.T. -0.00 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.8	30.1	45.1
58	77.3	60.6	90.8

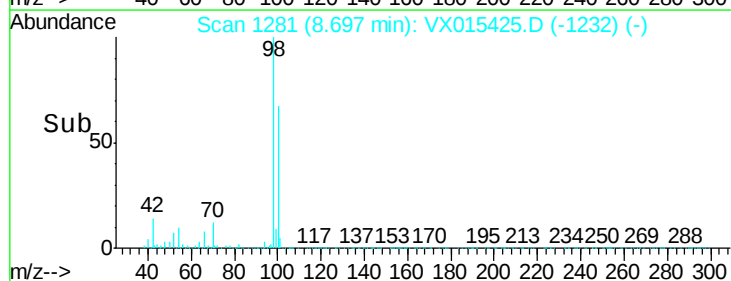
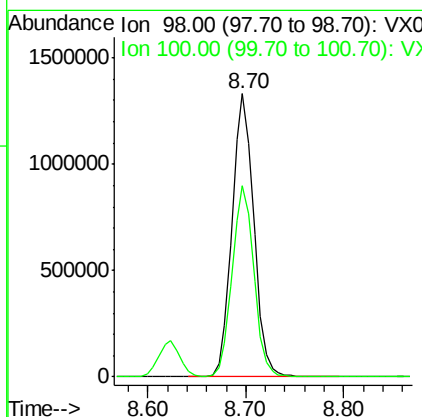
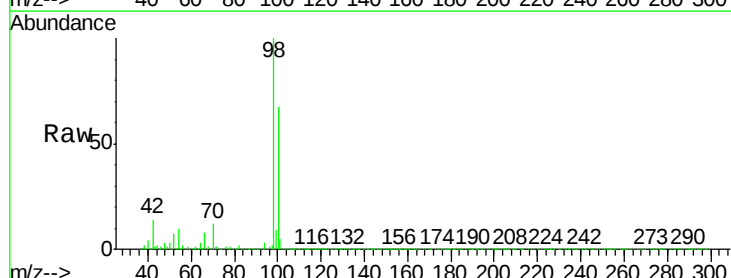
Manual Integrations
APPROVED

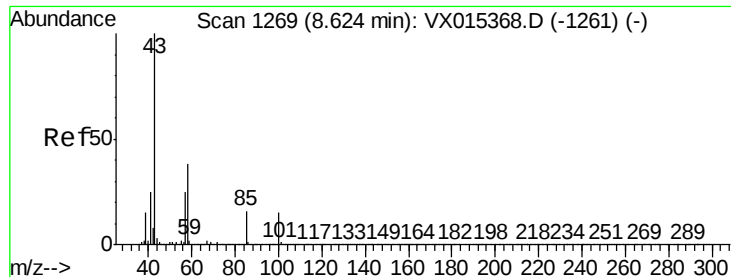
apatel
3/31/2020 11:05:26 AM



#50
Toluene-d8
Concen: 49.386 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.5	80.3





#51

4-Methyl-2-Pentanone

Concen: 91.860 ug/l

RT: 8.62 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Instrument :

MSVOA_X

ClientSampled :

VX0330WBS01

Tot Ion: 43 Resp: 1865050

Ion Ratio Lower Upper

43 100

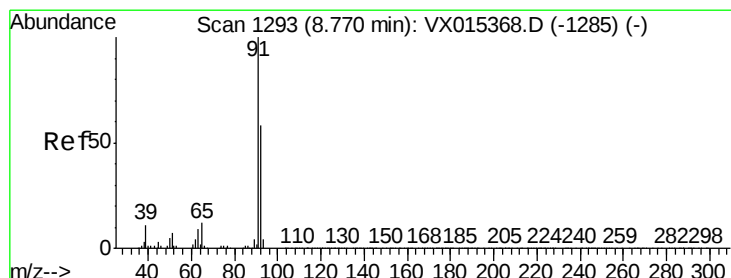
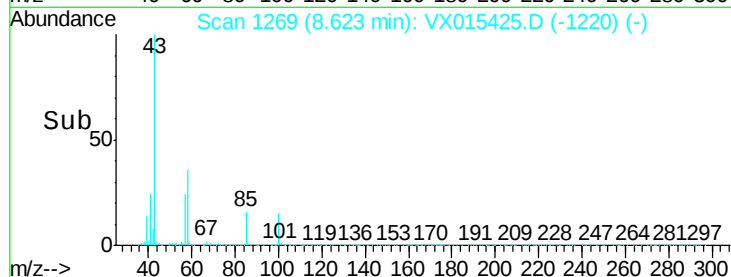
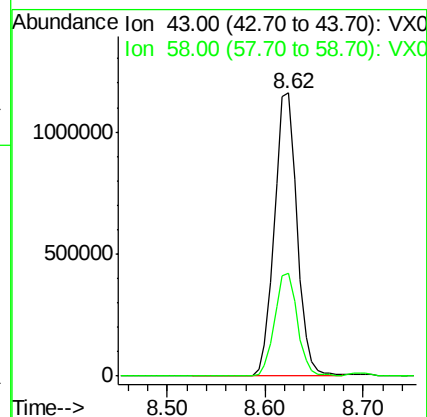
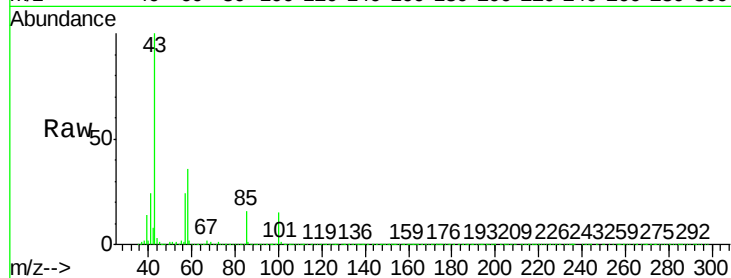
58 36.5 29.7 44.5

Manual Integrations

APPROVED

apatel

3/31/2020 11:05:26 AM



#52

Toluene

Concen: 19.909 ug/l

RT: 8.76 min Scan# 1292

Delta R.T. -0.01 min

Lab File: VX015425.D

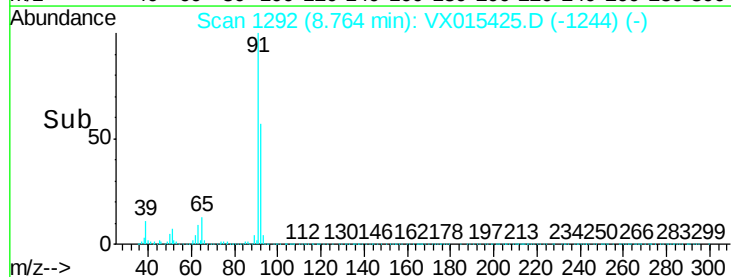
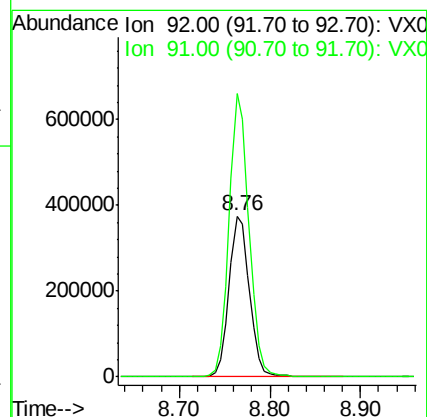
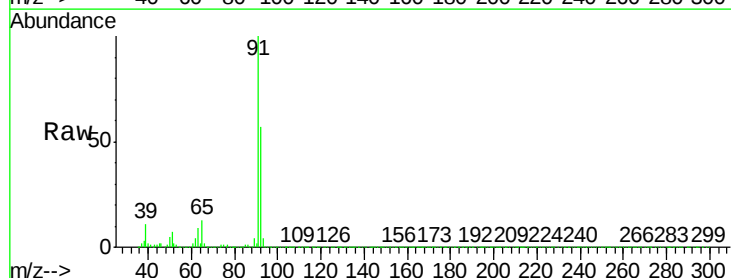
Acq: 30 Mar 2020 14:00

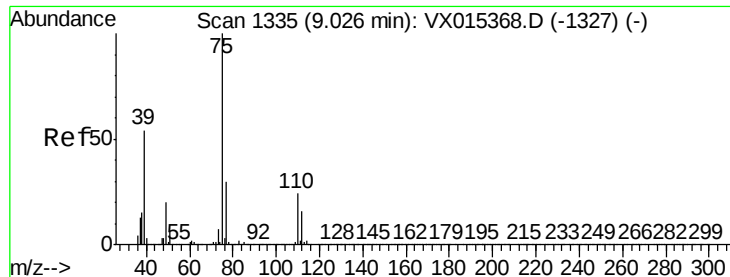
Tgt Ion: 92 Resp: 586035

Ion Ratio Lower Upper

92 100

91 171.2 136.6 205.0





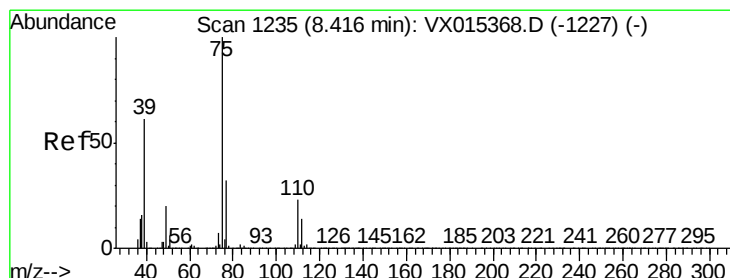
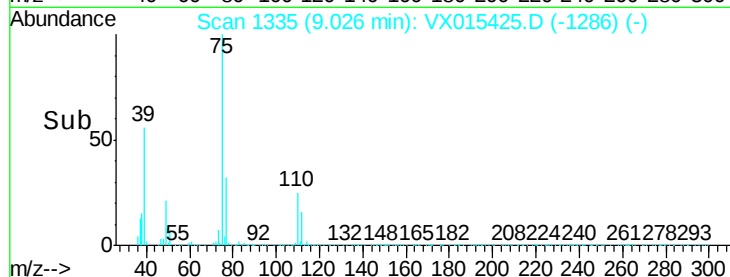
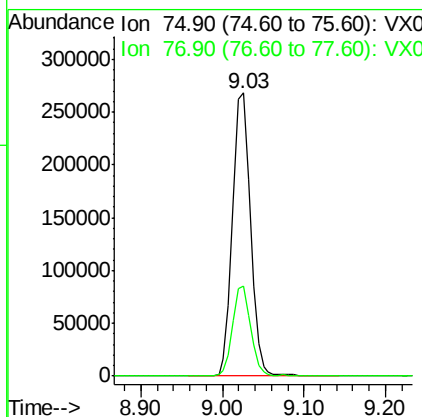
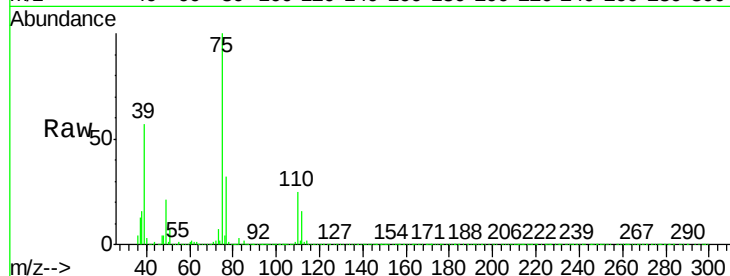
#53
t-1,3-Dichloropropene
Concen: 18.857 ug/l
RT: 9.03 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.1	36.1

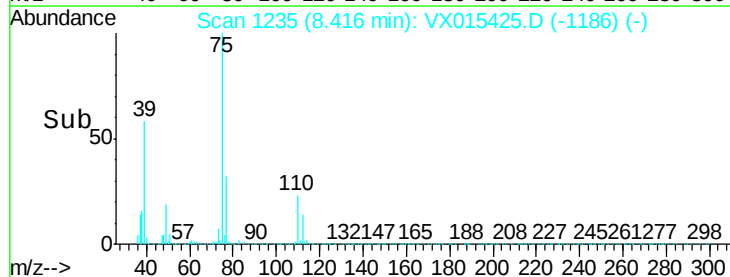
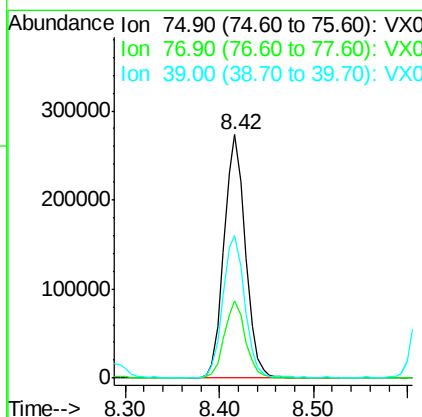
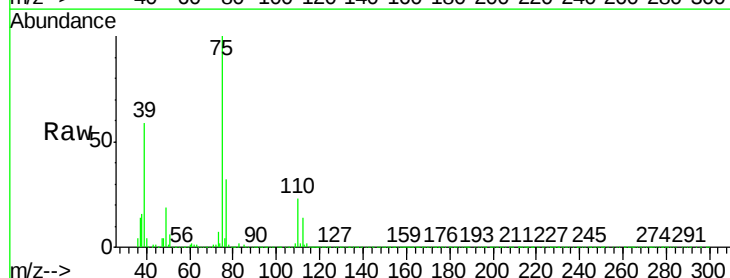
Manual Integrations
APPROVED

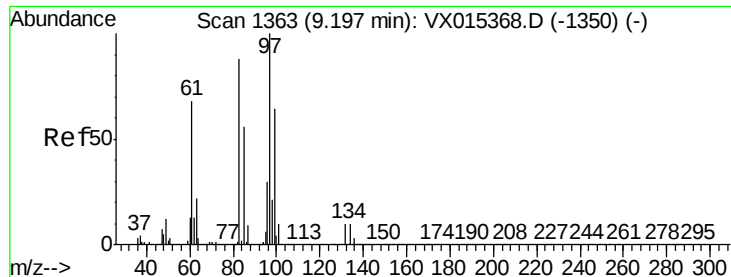
apatel
3/31/2020 11:05:26 AM



#54
cis-1,3-Dichloropropene
Concen: 19.694 ug/l
RT: 8.42 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.8	38.6
39	58.5	49.0	73.4





#55

1,1,2-Trichloroethane

Concen: 19.346 ug/l

RT: 9.20 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Instrument :

MSVOA_X

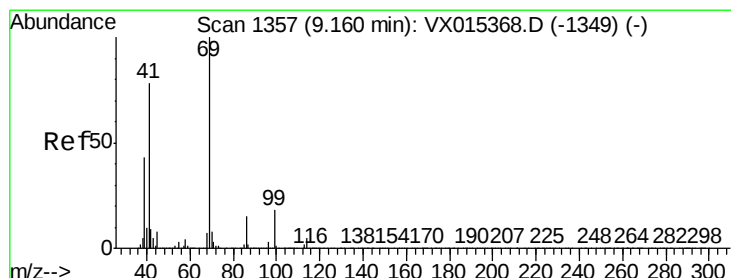
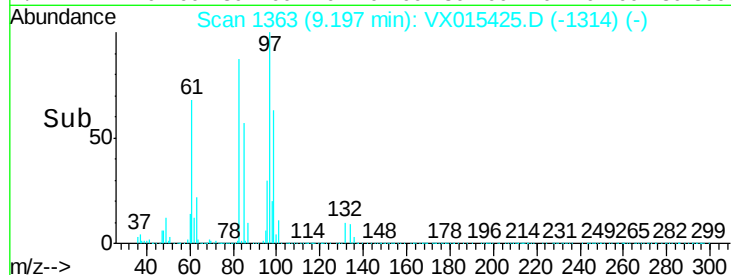
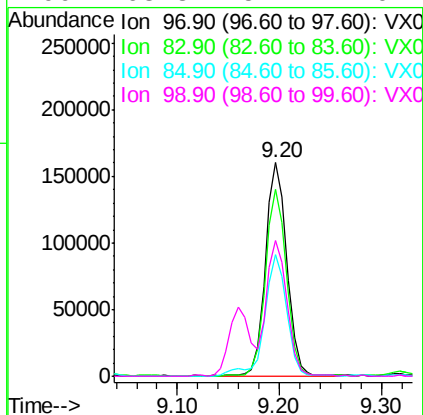
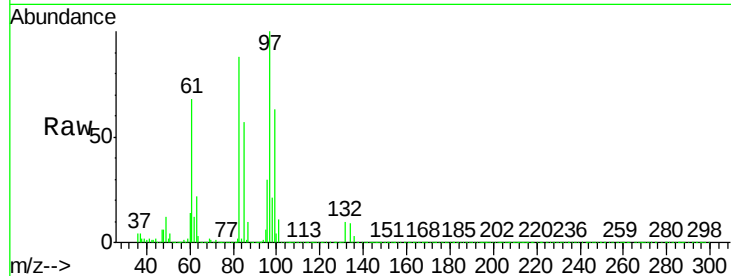
ClientSampleId :

VX0330WBS01

Tot Ion:	97	Resp:	233304
Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.2	105.4
85	56.9	44.7	67.1
99	63.3	51.1	76.7

Manual Integrations
APPROVED

apatel
3/31/2020 11:05:26 AM



#56

Ethyl methacrylate

Concen: 18.625 ug/l

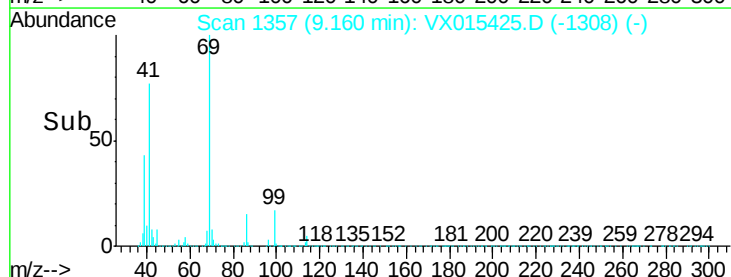
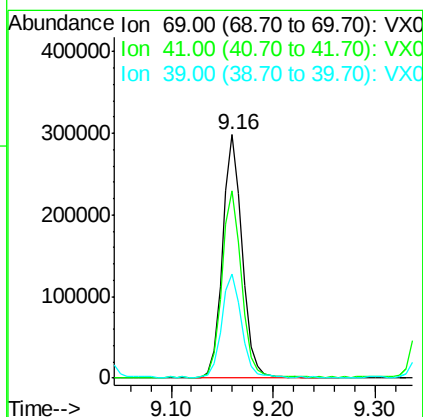
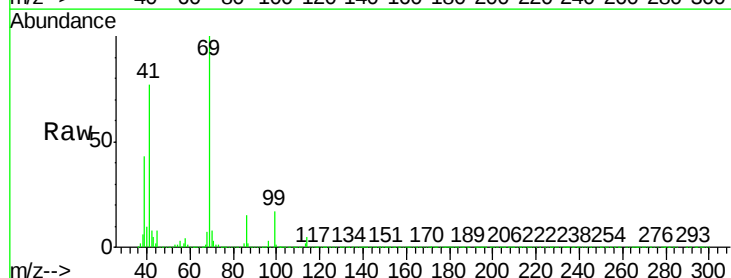
RT: 9.16 min Scan# 1357

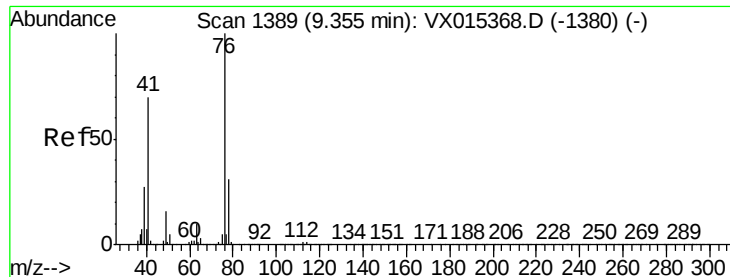
Delta R.T. -0.00 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Tgt Ion:	69	Resp:	395864
Ion	Ratio	Lower	Upper
69	100		
41	77.5	61.6	92.4
39	43.1	34.0	51.0





#57

1,3-Dichloropropane

Concen: 18.955 ug/l

RT: 9.36 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0330WBS01

Tot Ion: 76 Resp: 411856

Ion Ratio Lower Upper

76 100

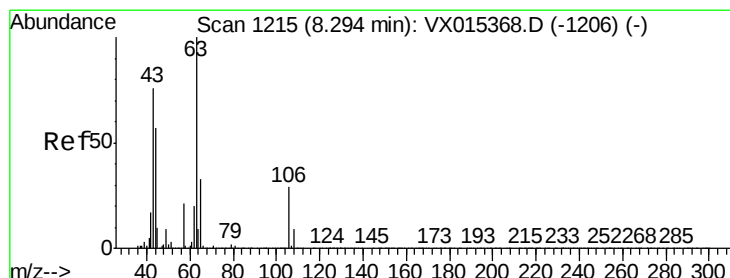
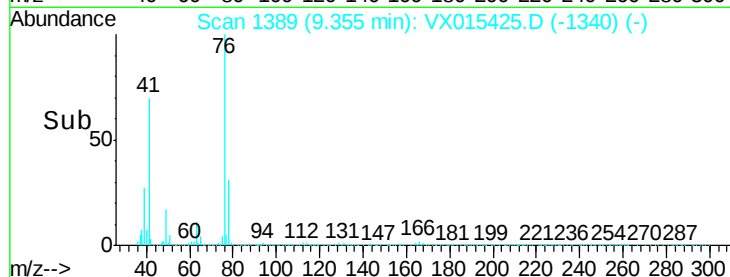
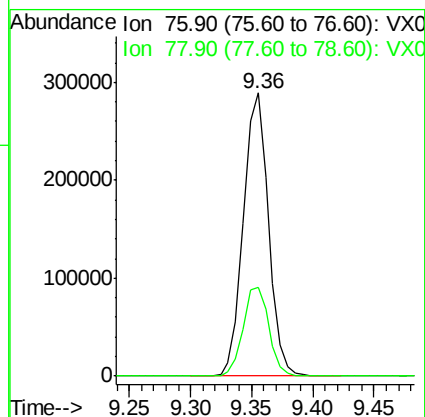
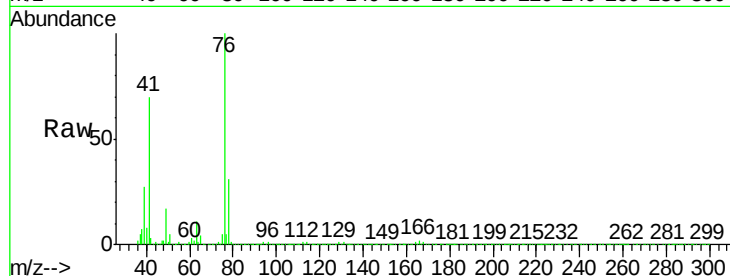
78 32.2 25.8 38.8

Manual Integrations

APPROVED

apatel

3/31/2020 11:05:26 AM



#58

2-Chloroethyl Vinyl ether

Concen: 96.566 ug/l

RT: 8.29 min Scan# 1214

Delta R.T. -0.01 min

Lab File: VX015425.D

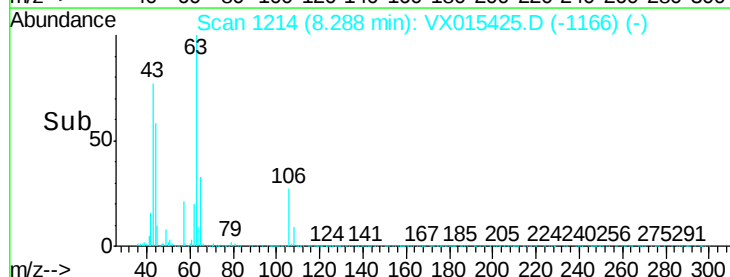
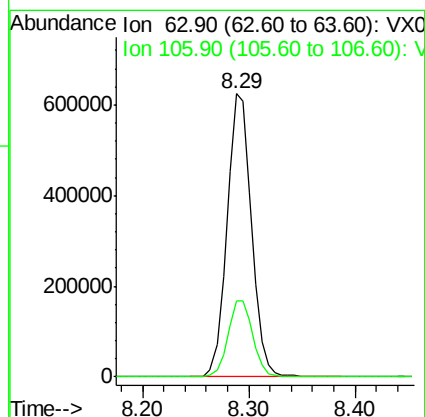
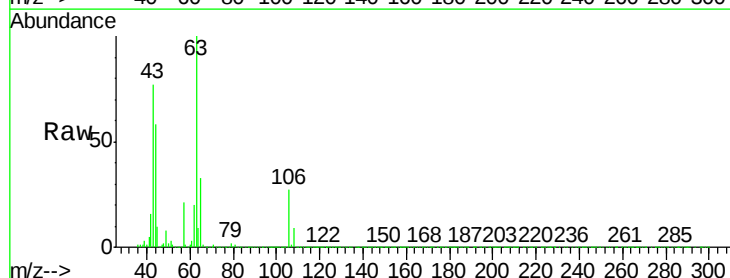
Acq: 30 Mar 2020 14:00

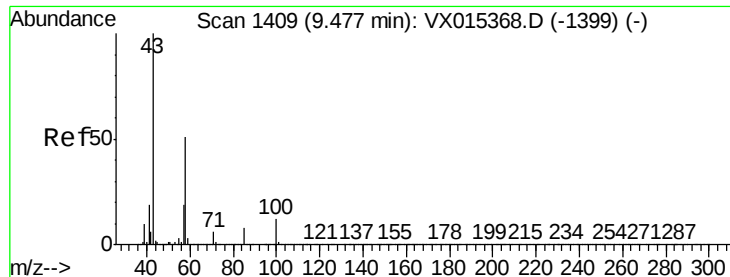
Tgt Ion: 63 Resp: 998303

Ion Ratio Lower Upper

63 100

106 27.5 22.7 34.1





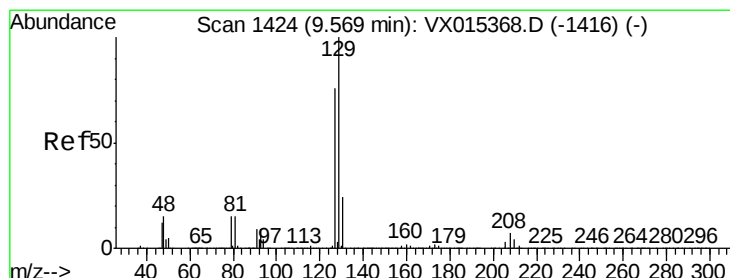
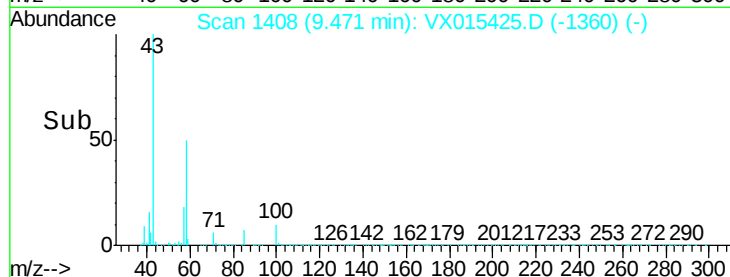
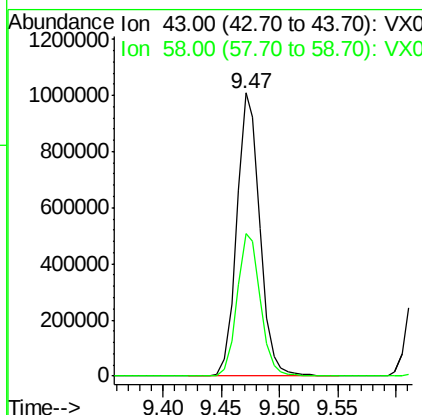
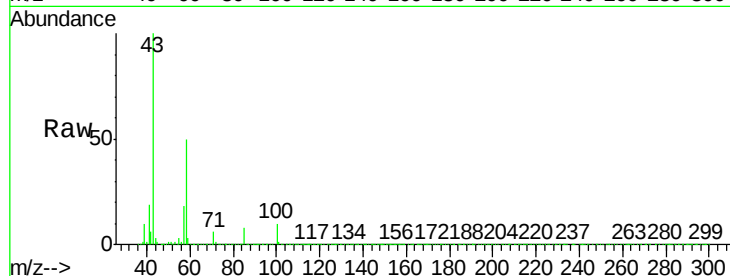
#59
2-Hexanone
Concen: 90.206 ug/l
RT: 9.47 min Scan# 1408
Delta R.T. -0.01 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBS01

Tot Ion: 43 Resp: 1382709
Ion Ratio Lower Upper
43 100
58 51.0 25.6 76.6

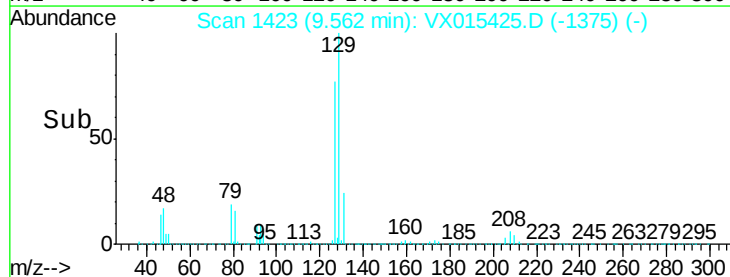
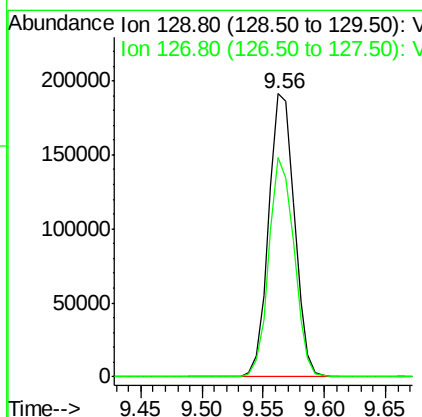
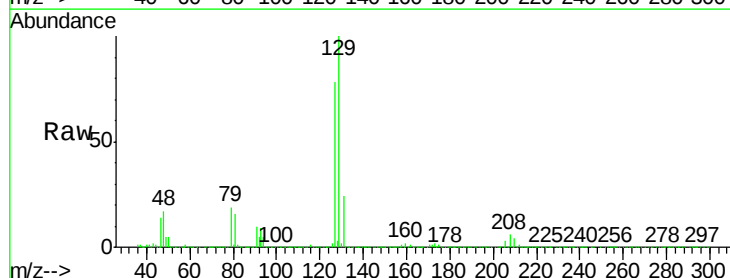
Manual Integrations
APPROVED

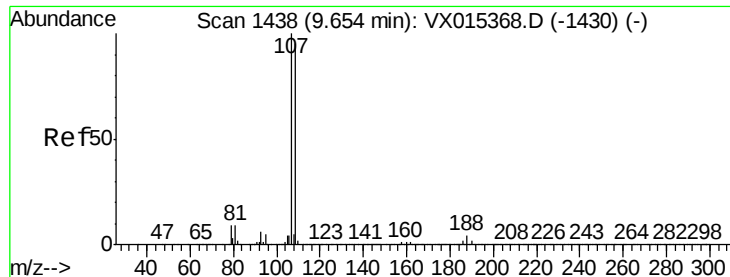
apatel
3/31/2020 11:05:26 AM



#60
Dibromochloromethane
Concen: 19.404 ug/l
RT: 9.56 min Scan# 1423
Delta R.T. -0.01 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Tgt Ion: 129 Resp: 281195
Ion Ratio Lower Upper
129 100
127 75.5 38.2 114.6





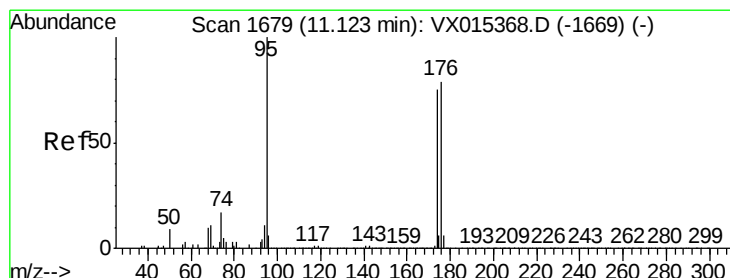
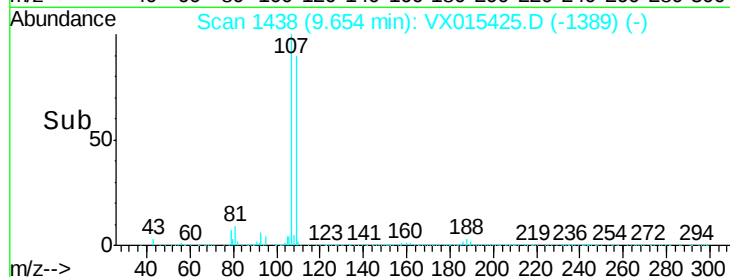
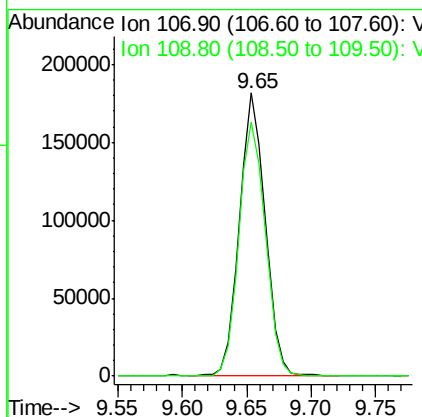
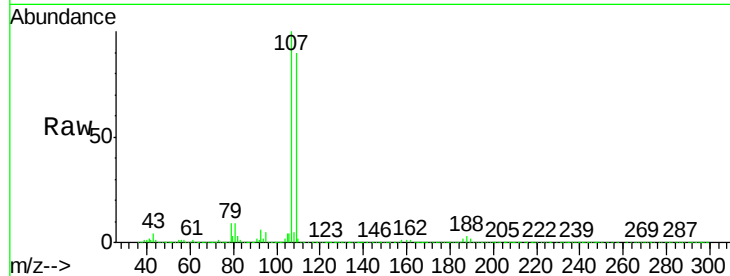
#61
1,2-Dibromoethane
Concen: 19.067 ug/l
RT: 9.65 min Scan# 1438
Delta R.T. -0.00 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBS01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	250024		
109	92.5	74.8	112.2	

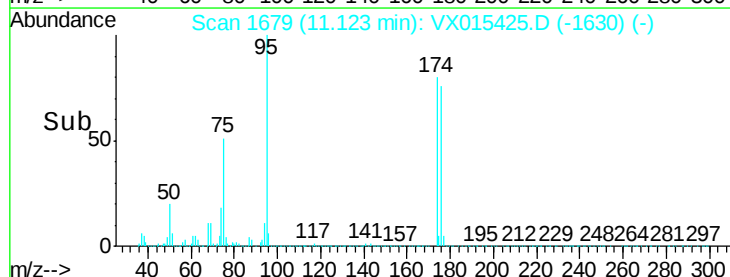
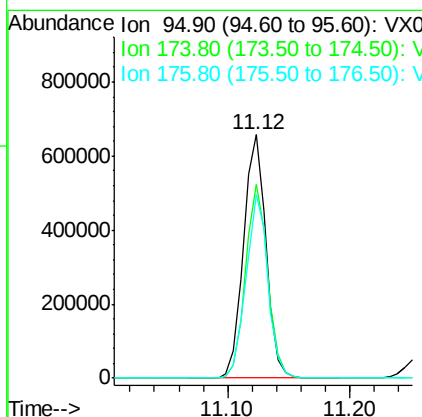
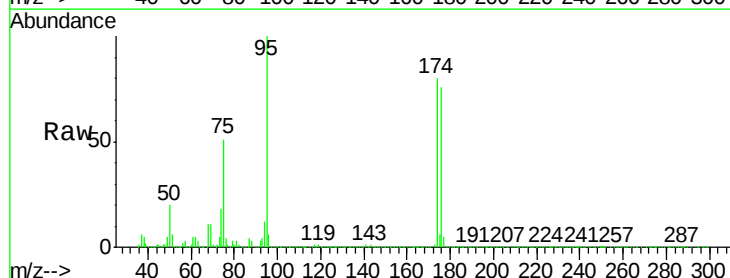
Manual Integrations
APPROVED

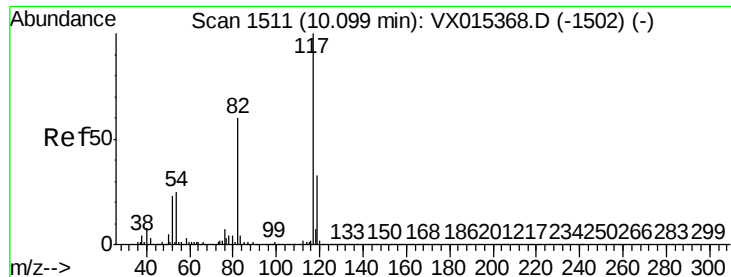
apatel
3/31/2020 11:05:26 AM



#62
4-Bromofluorobenzene
Concen: 49.196 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	832352		
174	78.8	0.0	158.6	
176	74.2	0.0	159.0	





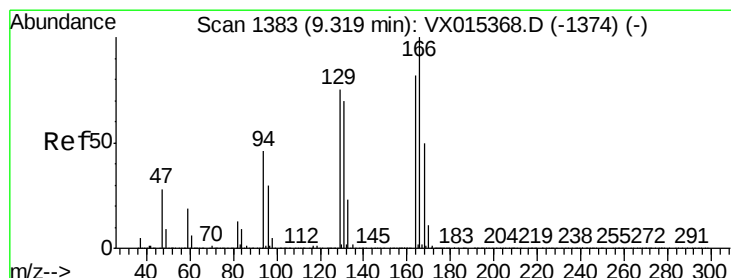
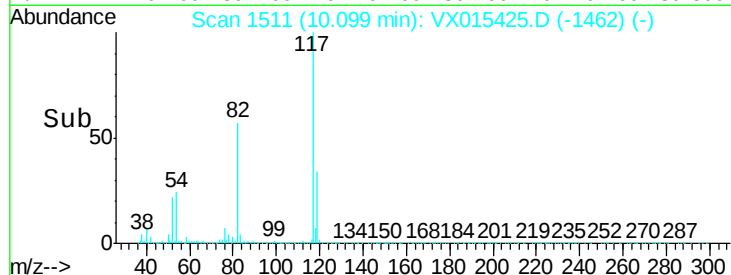
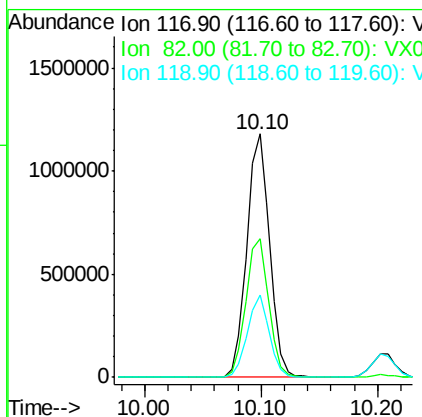
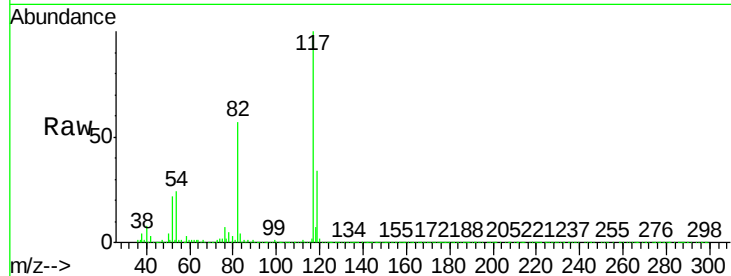
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	47.8	71.8
119	33.7	26.8	40.2

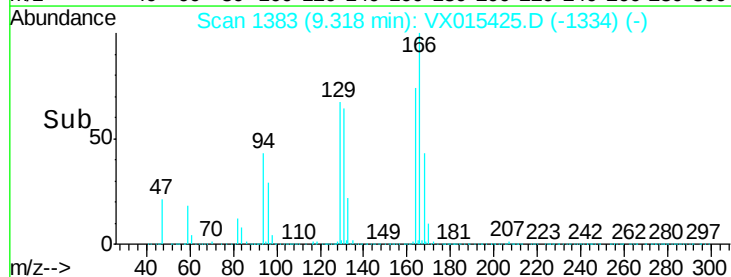
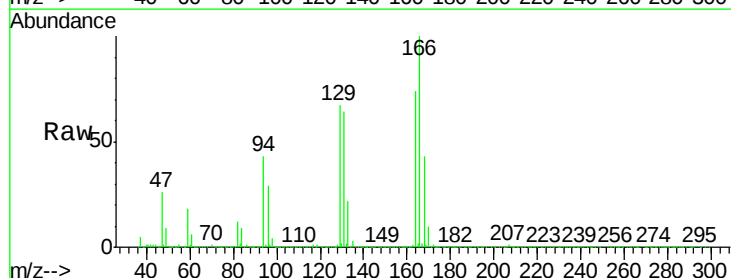
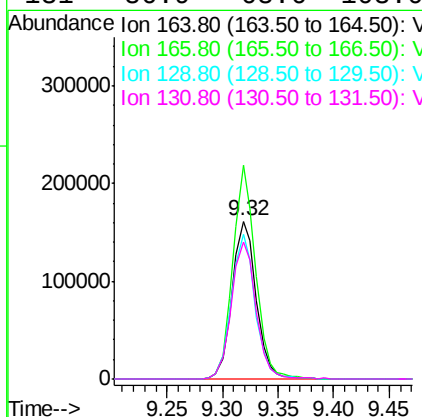
Manual Integrations
APPROVED

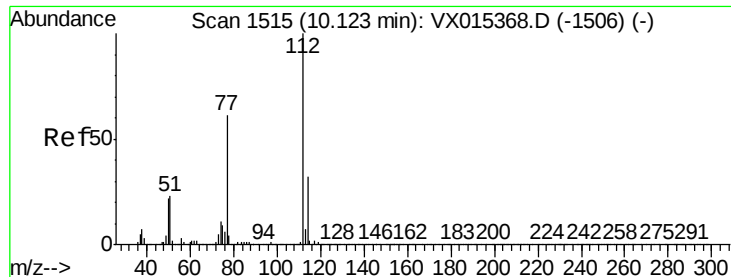
apatel
3/31/2020 11:05:26 AM



#64
Tetrachloroethene
Concen: 19.921 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.1	97.8	146.6
129	91.1	73.0	109.4
131	86.9	68.6	103.0





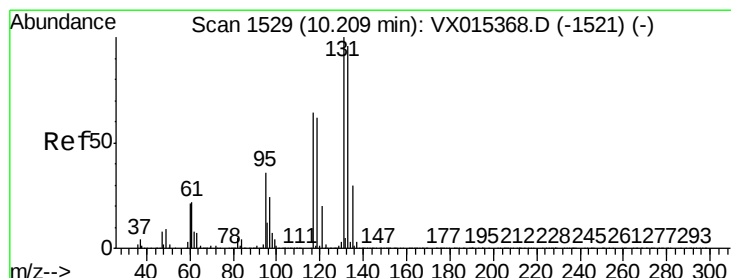
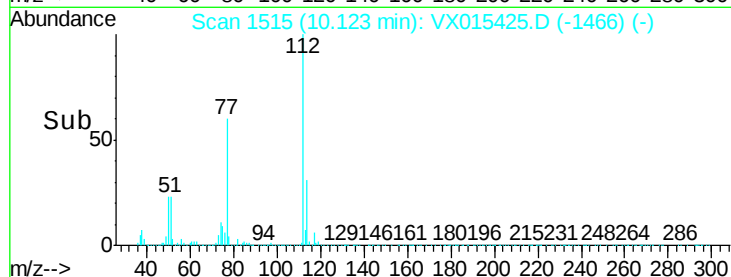
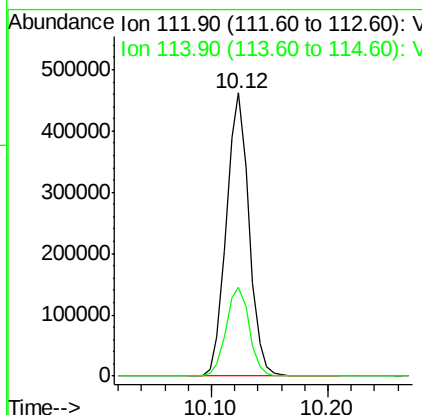
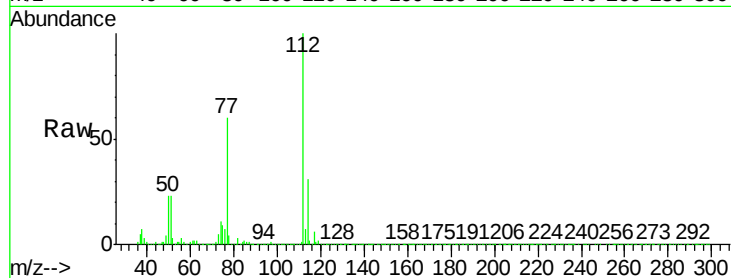
#65
Chlorobenzene
Concen: 19.328 ug/l
RT: 10.12 min Scan# 1515
Delta R.T. -0.00 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Instrument :
MSVOA_X
ClientSampled :
VX0330WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.5	38.3

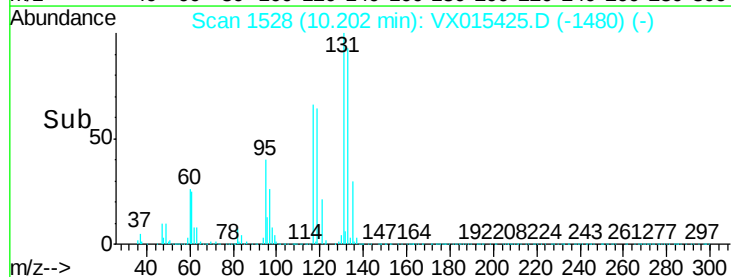
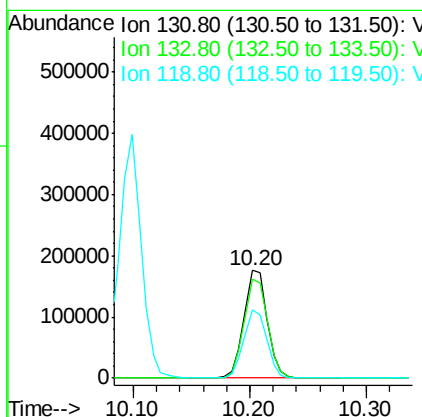
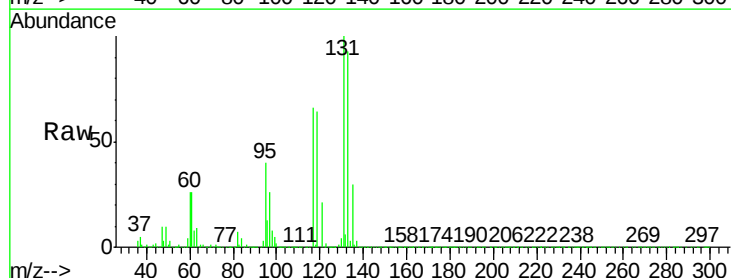
Manual Integrations
APPROVED

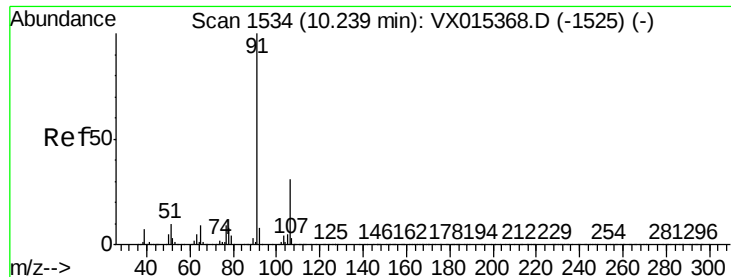
apatel
3/31/2020 11:05:26 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.225 ug/l
RT: 10.20 min Scan# 1528
Delta R.T. -0.01 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	47.6	142.9
119	63.2	31.1	93.3





#67

Ethyl Benzene

Concen: 19.713 ug/l

RT: 10.23 min Scan# 1533

Delta R.T. -0.01 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Instrument :

MSVOA_X

ClientSampled :

VX0330WBS01

Tot Ion: 91 Resp: 1125709

Ion Ratio Lower Upper

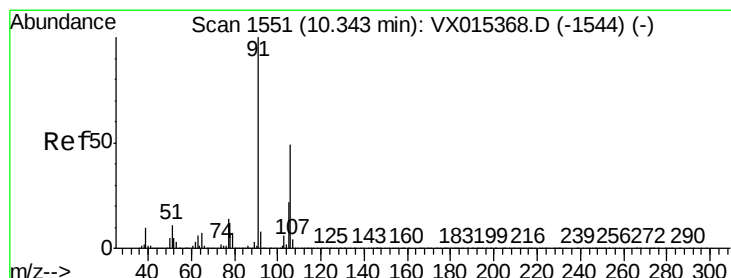
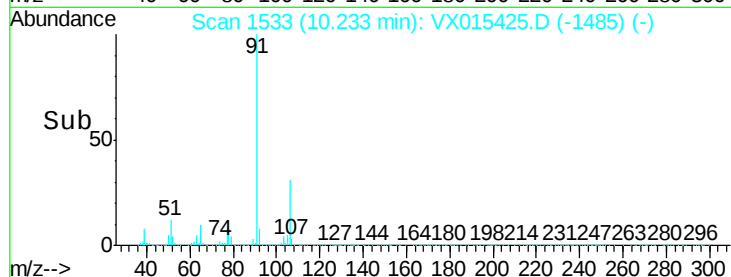
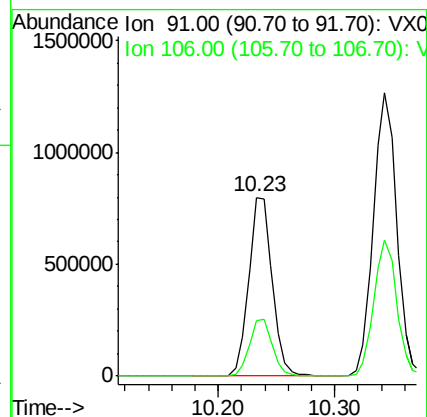
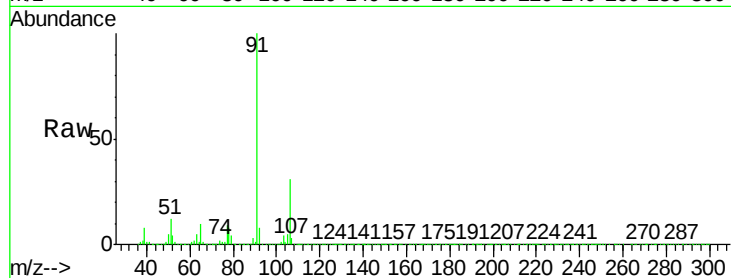
91 100

106 30.8 24.8 37.2

Manual Integrations
APPROVED

apatel

3/31/2020 11:05:26 AM



#68

m/p-Xylenes

Concen: 39.605 ug/l

RT: 10.34 min Scan# 1551

Delta R.T. -0.00 min

Lab File: VX015425.D

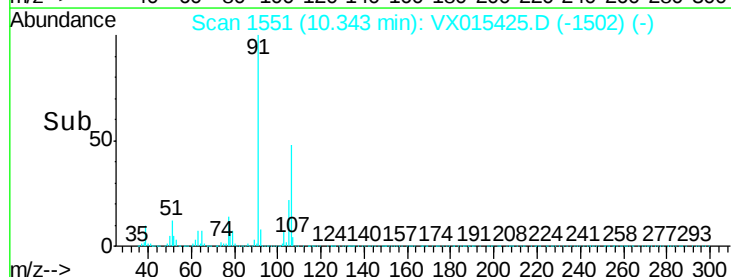
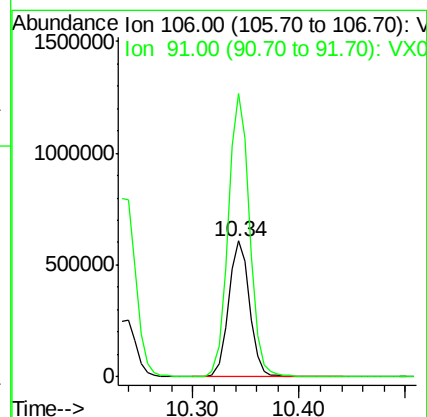
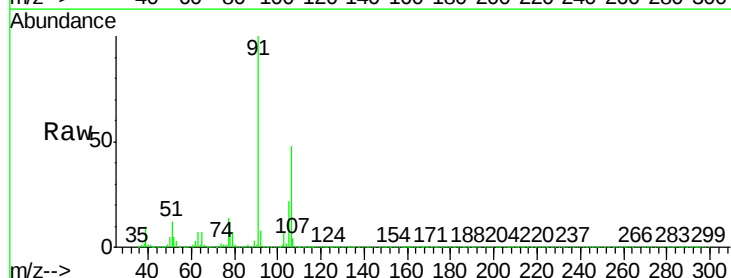
Acq: 30 Mar 2020 14:00

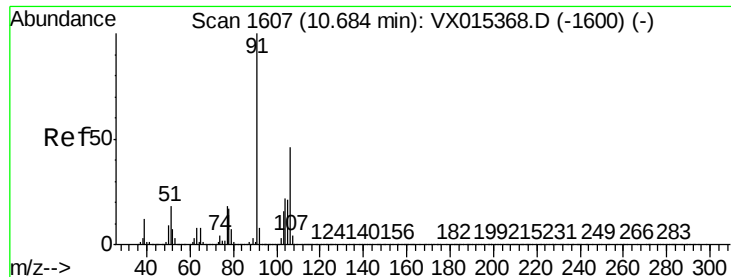
Tgt Ion: 106 Resp: 842158

Ion Ratio Lower Upper

106 100

91 210.2 163.4 245.0





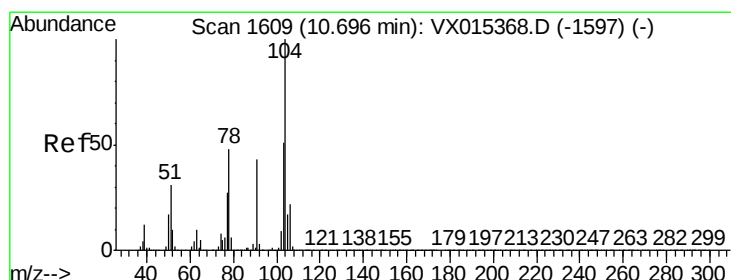
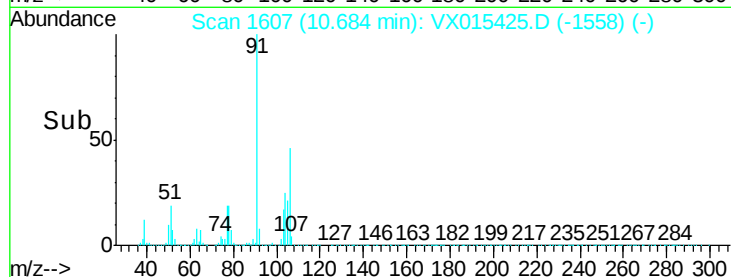
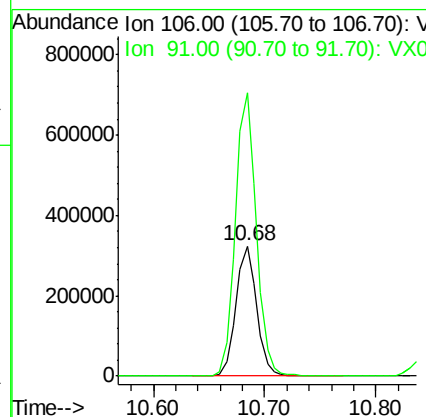
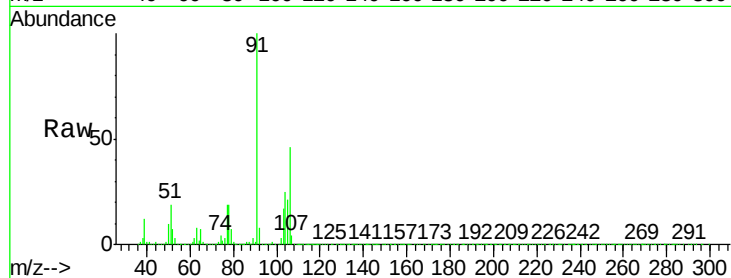
#69
o-Xylene
Concen: 19.738 ug/l
RT: 10.68 min Scan# 1607
Delta R.T. -0.00 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBS01

Tot Ion:106 Resp: 414743
Ion Ratio Lower Upper
106 100
91 219.2 107.1 321.3

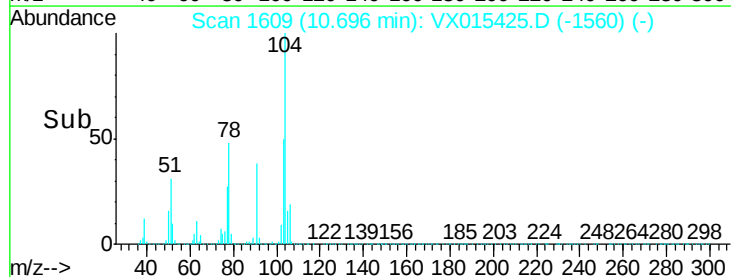
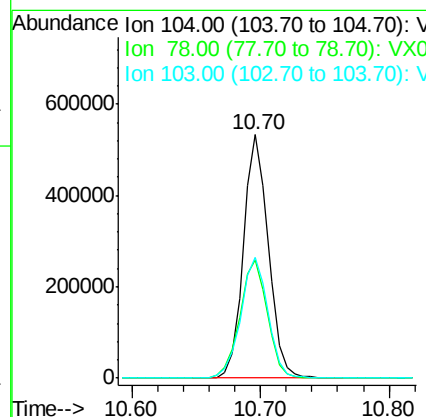
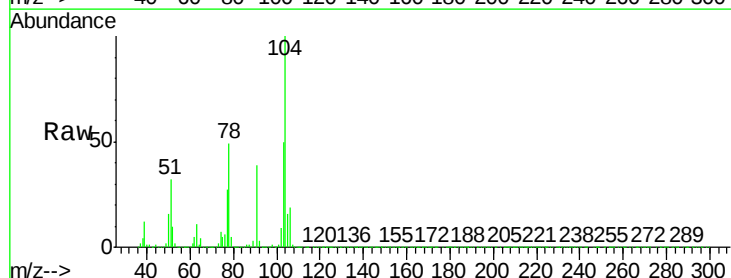
Manual Integrations
APPROVED

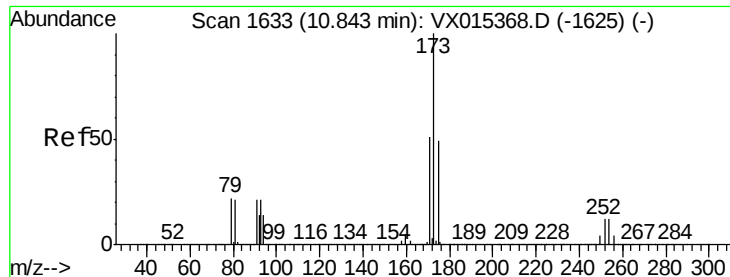
apatel
3/31/2020 11:05:26 AM



#70
Styrene
Concen: 19.221 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Tgt Ion:104 Resp: 710701
Ion Ratio Lower Upper
104 100
78 53.7 42.0 63.0
103 54.6 43.4 65.0





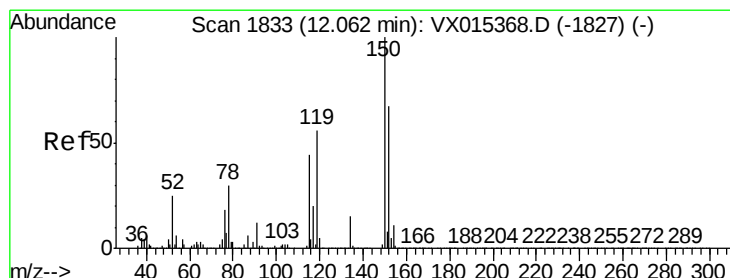
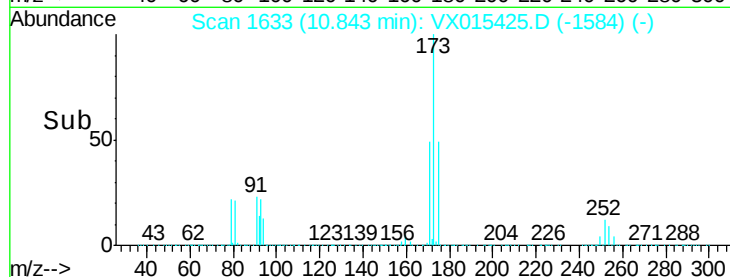
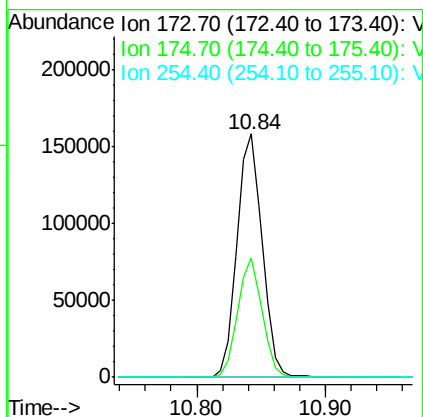
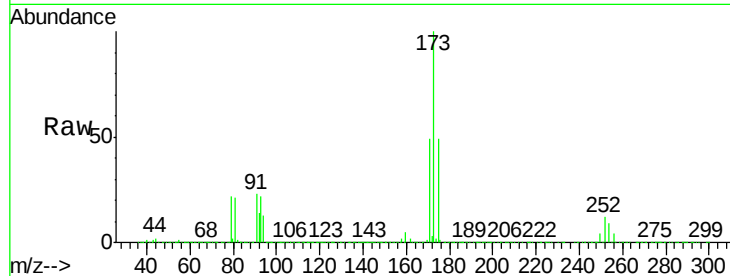
#71
Bromoform
Concen: 18.255 ug/l
RT: 10.84 min Scan# 1633
Delta R.T. -0.00 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.9	71.7
254	0.2	0.1	0.1#

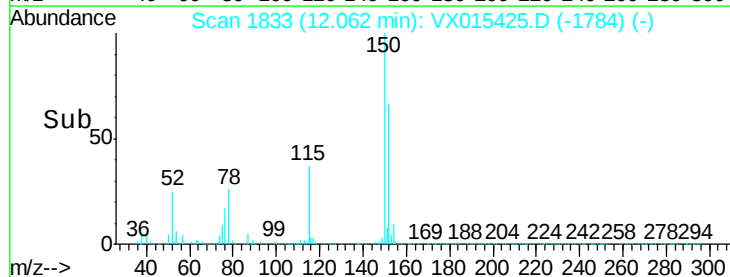
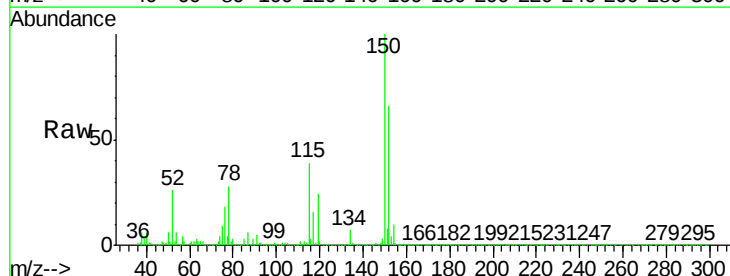
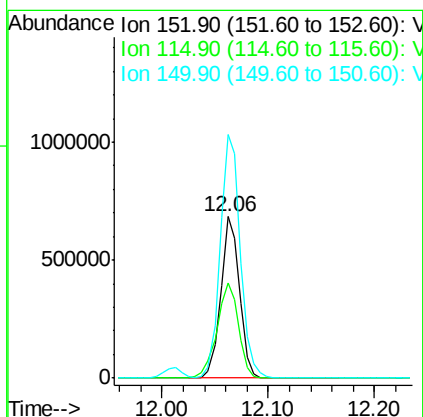
Manual Integrations
APPROVED

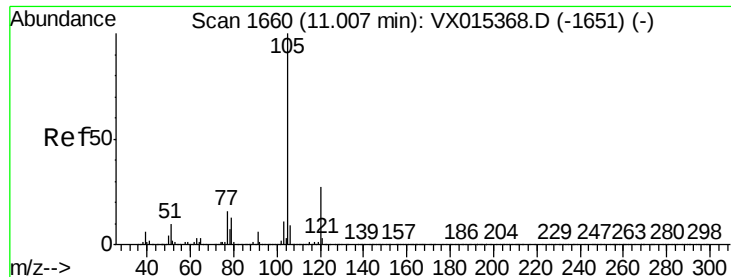
apatel
3/31/2020 11:05:26 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.0	39.0	116.9
150	162.2	0.0	340.8





#73

Isopropylbenzene

Concen: 20.532 ug/l

RT: 11.00 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0330WBS01

Tot Ion: 105 Resp: 1120161

Ion Ratio Lower Upper

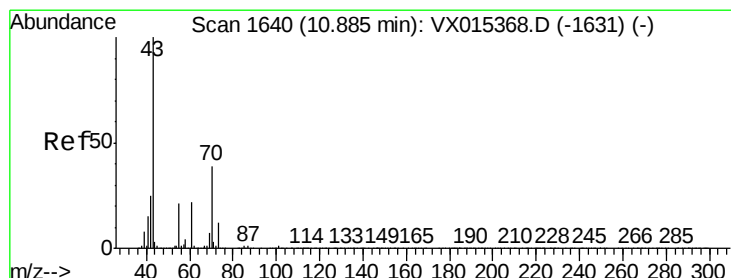
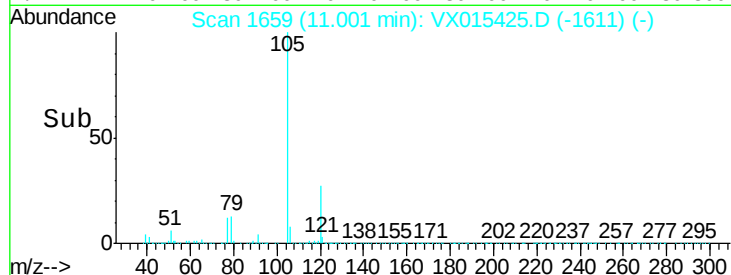
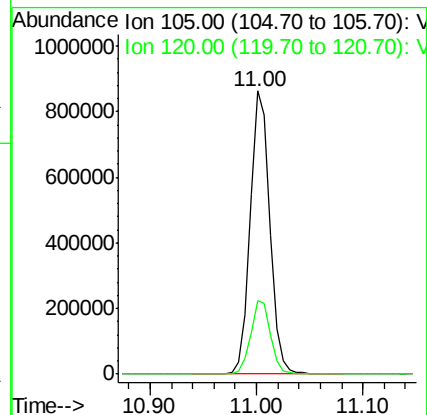
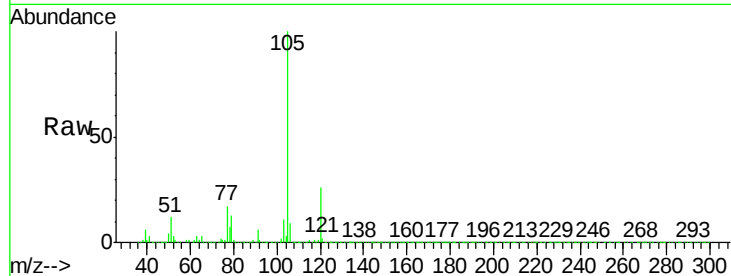
105 100

120 26.2 13.2 39.5

Manual Integrations
APPROVED

apatel

3/31/2020 11:05:26 AM



#74

N-ethyl acetate

Concen: 18.904 ug/l

RT: 10.88 min Scan# 1639

Delta R.T. -0.01 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Tgt Ion: 43 Resp: 573610

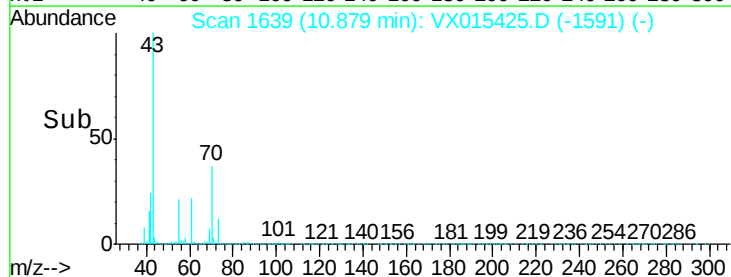
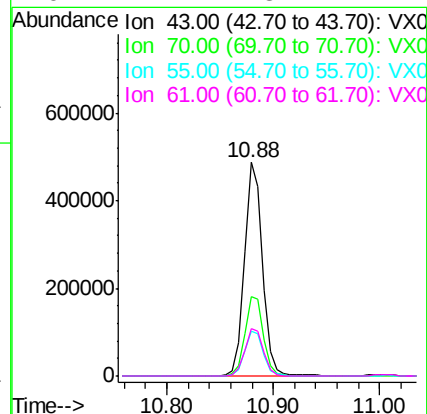
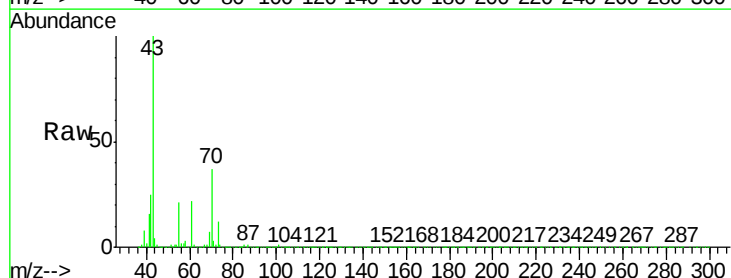
Ion Ratio Lower Upper

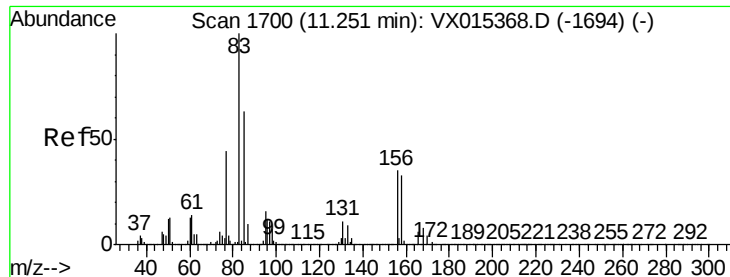
43 100

70 38.2 30.2 45.4

55 21.8 16.8 25.2

61 22.7 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 18.463 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Instrument :

MSVOA_X

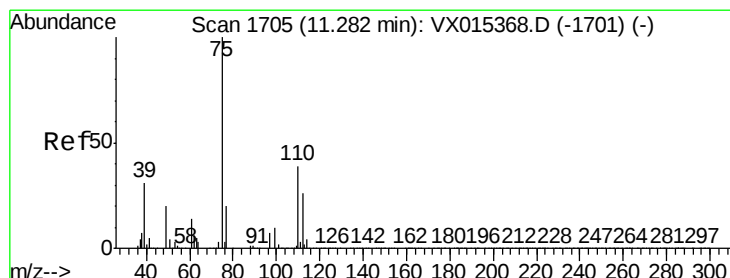
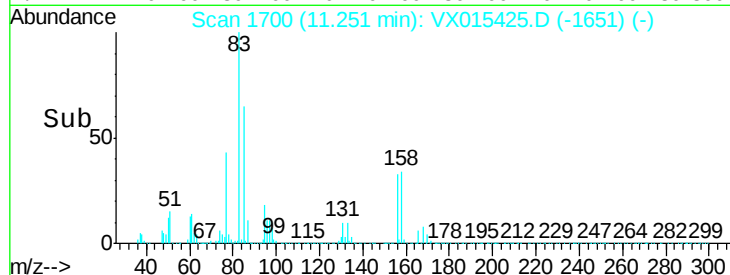
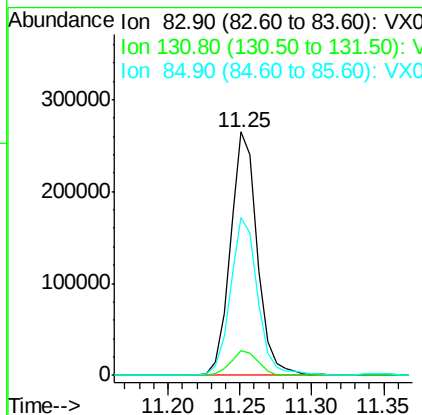
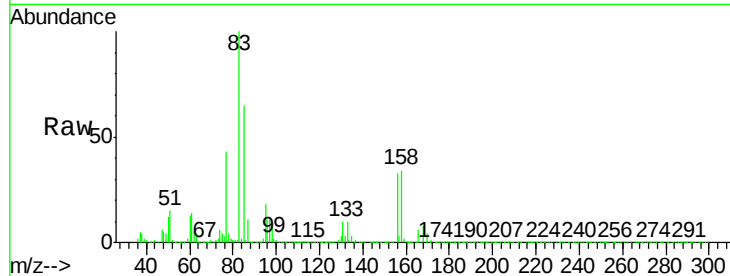
ClientSampleId :

VX0330WBS01

Tot Ion:	83	Resp:	345636
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.3	16.1
85	65.5	32.0	96.0

Manual Integrations
APPROVED

apatel
3/31/2020 11:05:26 AM



#76

1,2,3-Trichloropropane

Concen: 19.416 ug/l m

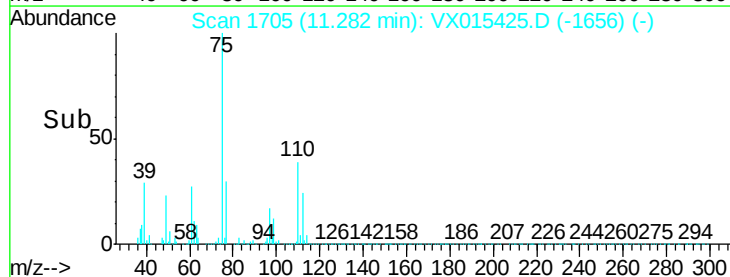
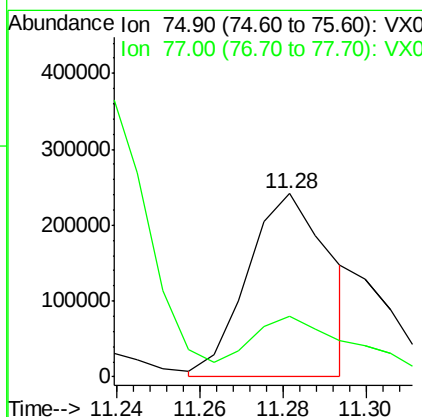
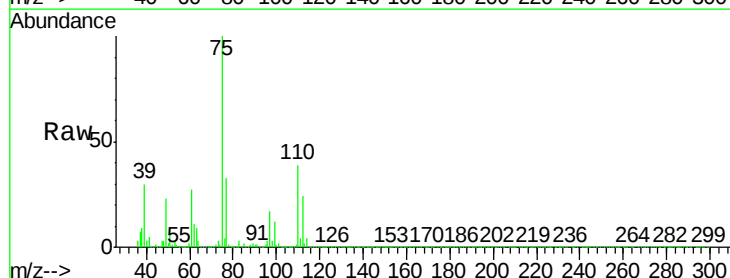
RT: 11.28 min Scan# 1705

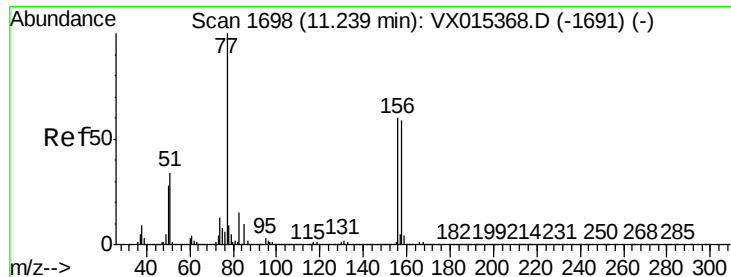
Delta R.T. -0.00 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Tgt Ion:	75	Resp:	332467
Ion Ratio	Lower	Upper	
75	100		
77	41.4	21.2	63.6





#77

Bromobenzene

Concen: 19.253 ug/l

RT: 11.24 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Instrument :

MSVOA_X

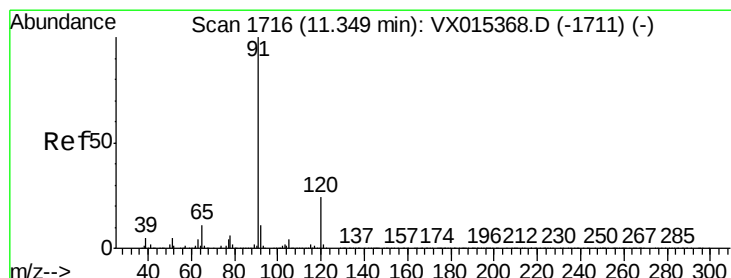
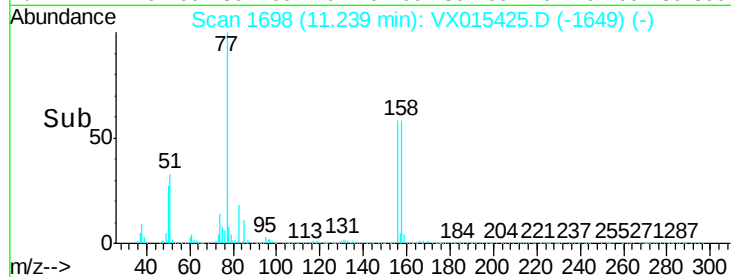
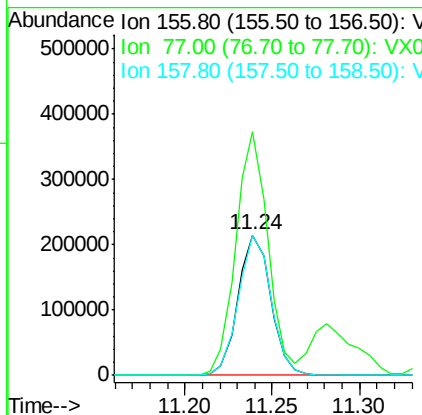
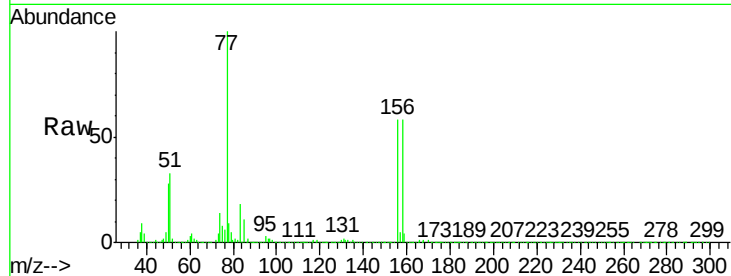
ClientSampleId :

VX0330WBS01

Tot Ion:	156	Resp:	280187
Ion Ratio	Lower	Upper	
156	100		
77	169.7	82.2	246.5
158	99.5	49.3	147.9

Manual Integrations
APPROVED

apatel
3/31/2020 11:05:26 AM



#78

n-propylbenzene

Concen: 20.227 ug/l

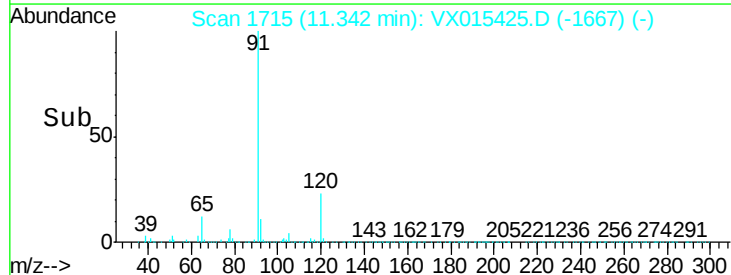
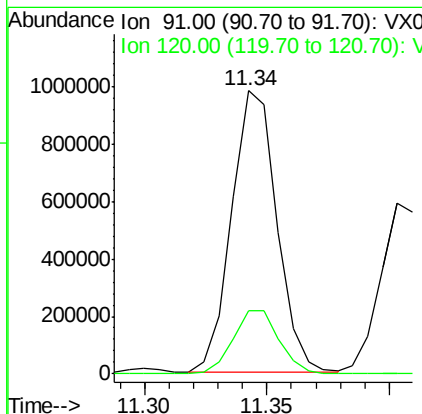
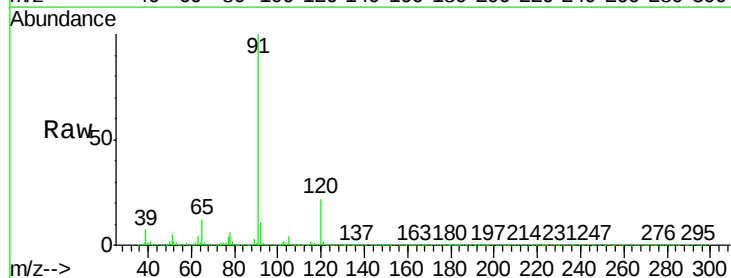
RT: 11.34 min Scan# 1715

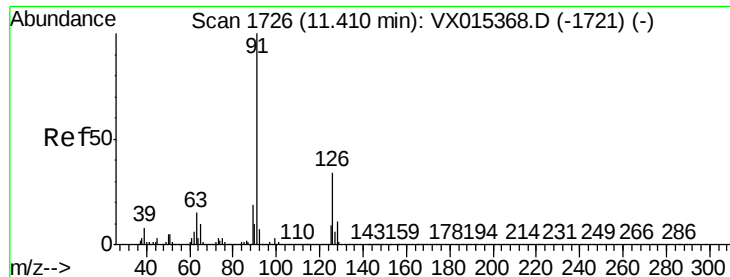
Delta R.T. -0.01 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Tgt Ion:	91	Resp:	1261869
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.7	35.0





#79

2-Chlorotoluene

Concen: 20.106 ug/l

RT: 11.40 min Scan# 1725

Delta R.T. -0.01 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0330WBS01

Tot Ion: 91 Resp: 768808

Ion Ratio Lower Upper

91 100

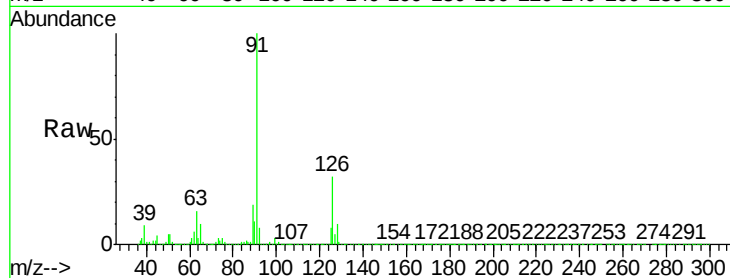
126 33.7 16.5 49.5

Manual Integrations

APPROVED

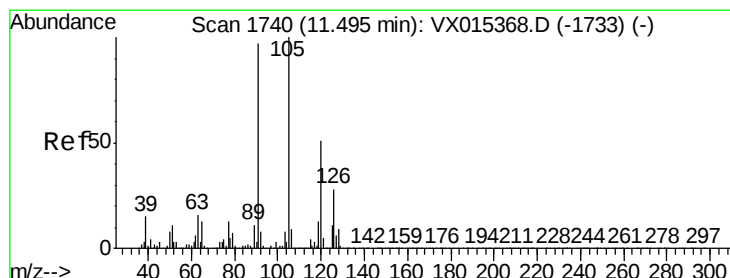
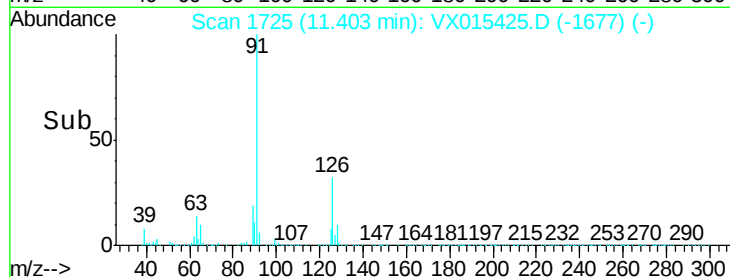
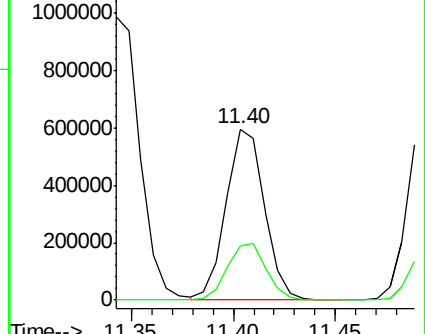
apatel

3/31/2020 11:05:26 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.168 ug/l

RT: 11.49 min Scan# 1739

Delta R.T. -0.01 min

Lab File: VX015425.D

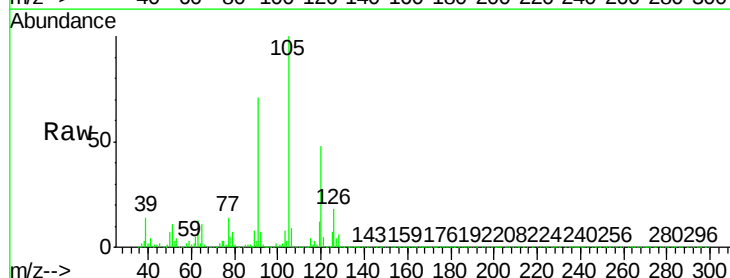
Acq: 30 Mar 2020 14:00

Tgt Ion: 105 Resp: 939725

Ion Ratio Lower Upper

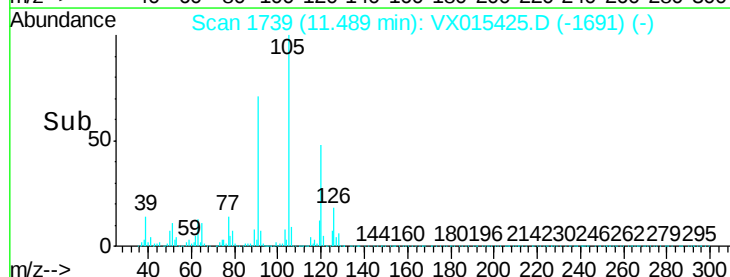
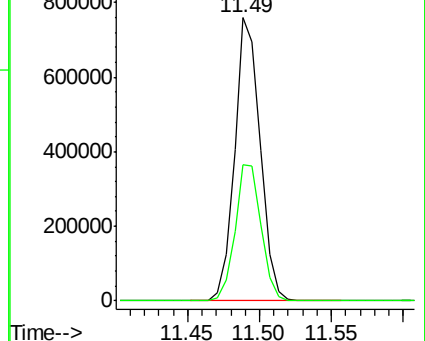
105 100

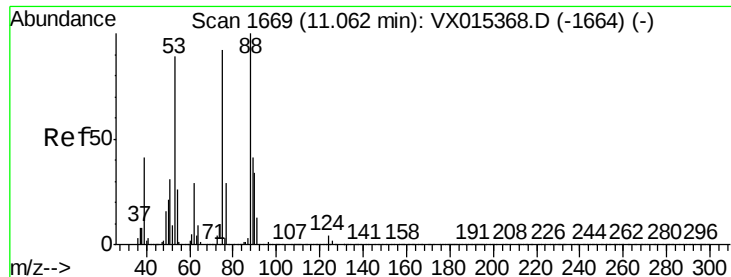
120 49.3 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





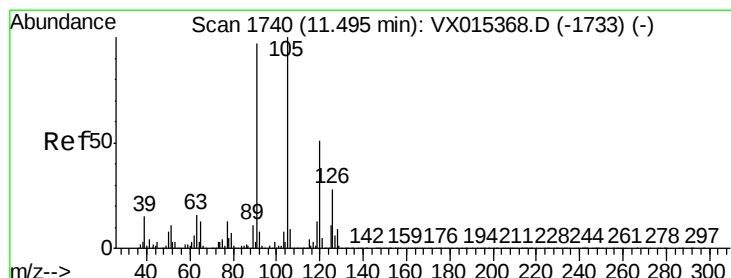
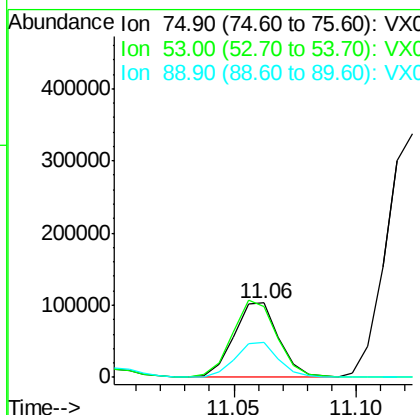
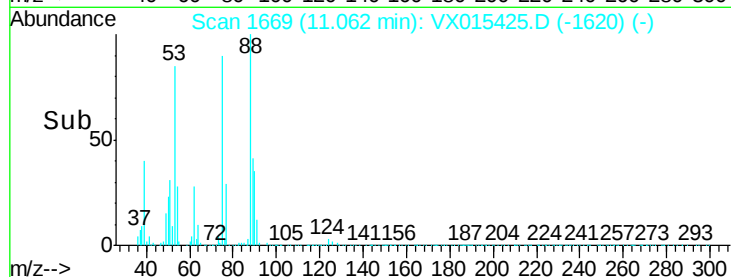
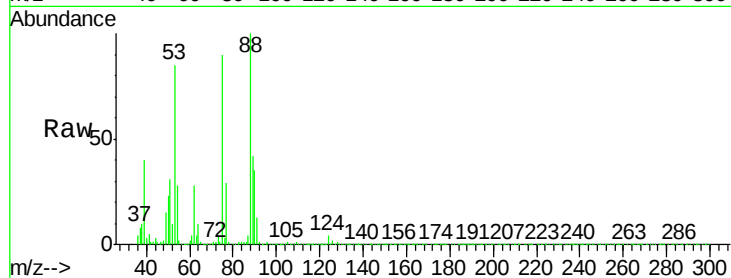
#81
trans-1,4-Dichloro-2-butene
Concen: 18.289 ug/l
RT: 11.06 min Scan# 1669
Delta R.T. -0.00 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.6	80.1	120.1
89	46.0	36.1	54.1

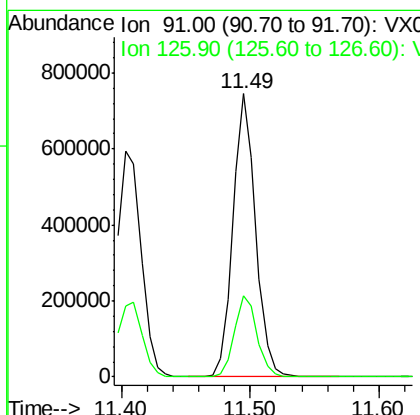
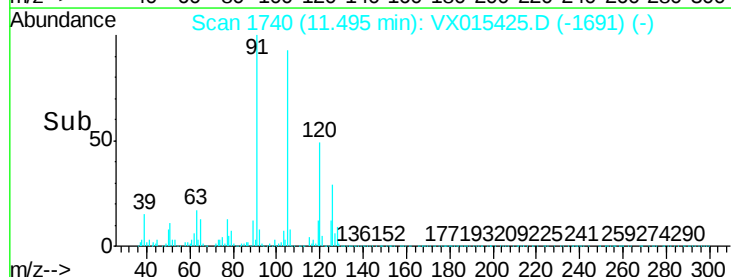
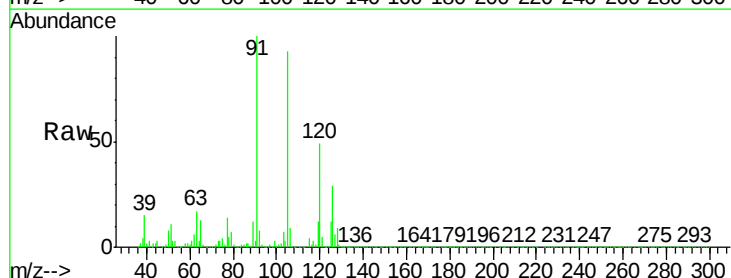
Manual Integrations
APPROVED

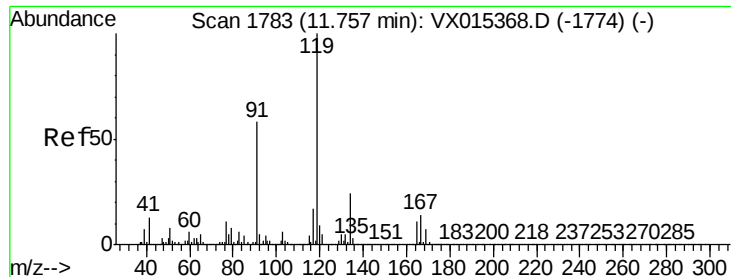
apatel
3/31/2020 11:05:26 AM



#82
4-Chlorotoluene
Concen: 20.369 ug/l
RT: 11.49 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.7	44.1





#83

tert-Butylbenzene

Concen: 20.353 ug/l

RT: 11.76 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Instrument :

MSVOA_X

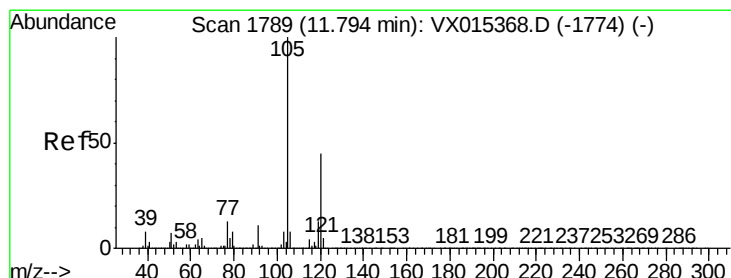
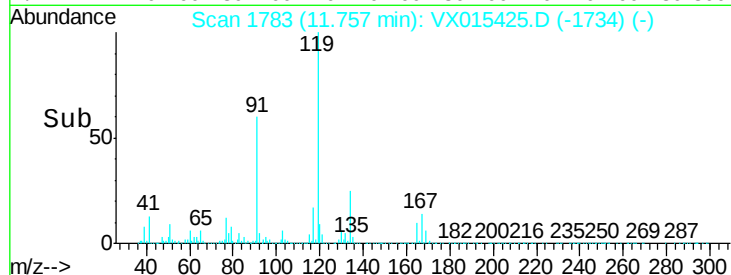
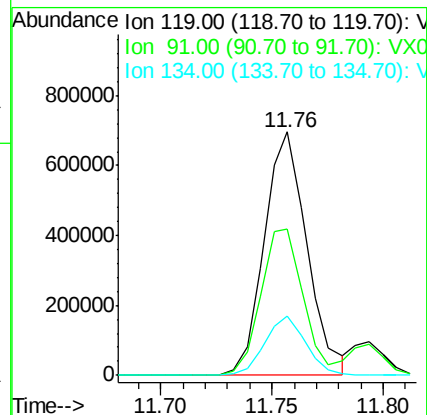
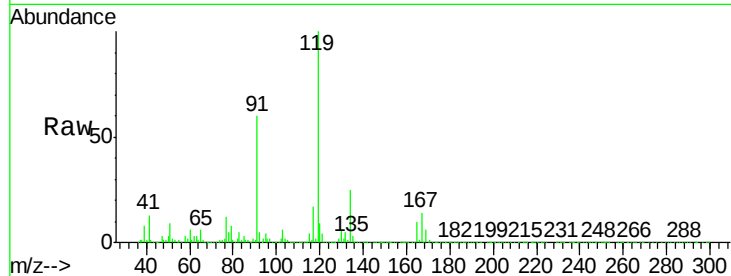
ClientSampleId :

VX0330WBS01

Tot Ion:	119	Resp:	926321
Ion Ratio	Lower	Upper	
119	100		
91	59.2	28.6	85.8
134	23.3	11.8	35.3

Manual Integrations
APPROVED

apatel
3/31/2020 11:05:26 AM



#84

1,2,4-Trimethylbenzene

Concen: 20.079 ug/l

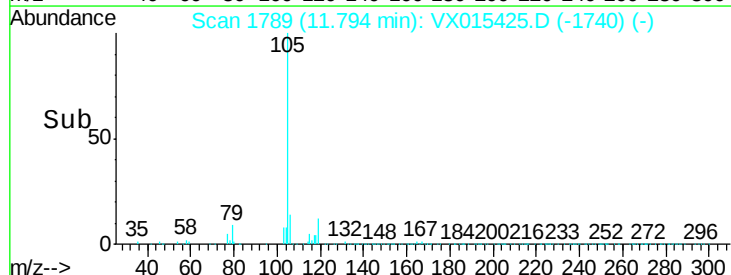
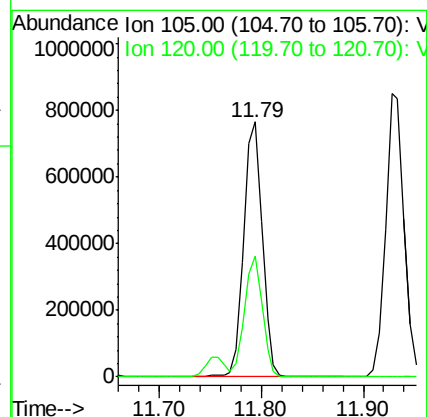
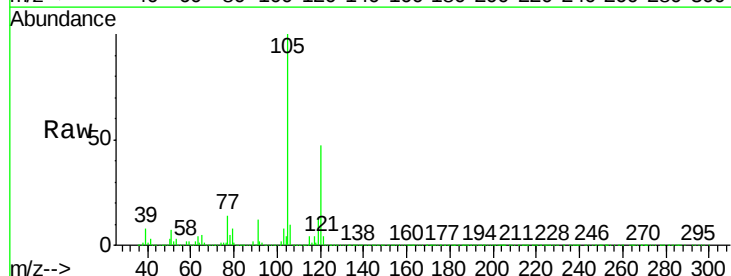
RT: 11.79 min Scan# 1789

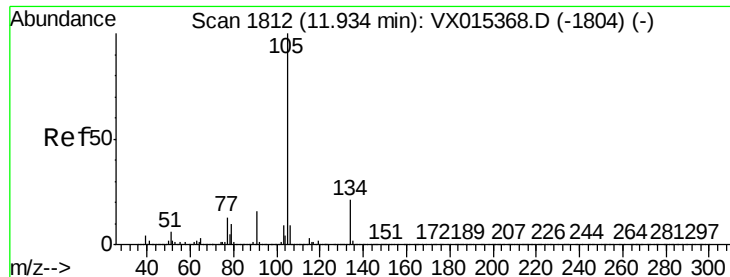
Delta R.T. -0.00 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Tgt Ion:	105	Resp:	953395
Ion Ratio	Lower	Upper	
105	100		
120	45.7	22.7	68.1





#85

sec-Butylbenzene

Concen: 20.593 ug/l

RT: 11.93 min Scan# 1811

Delta R.T. -0.01 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0330WBS01

Tot Ion:105 Resp: 1083936

Ion Ratio Lower Upper

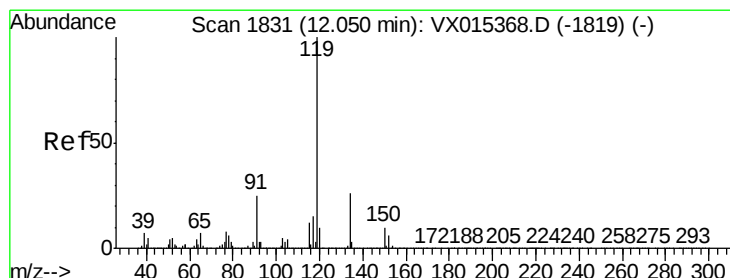
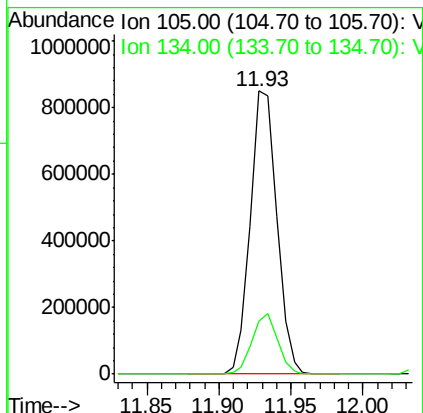
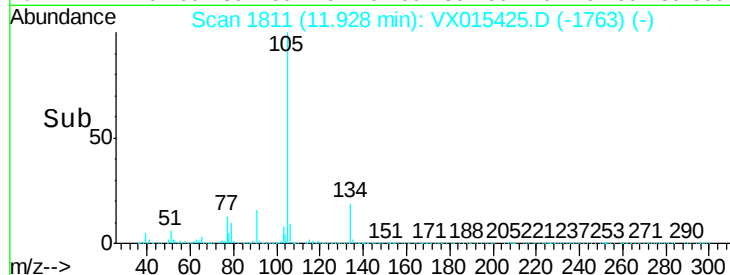
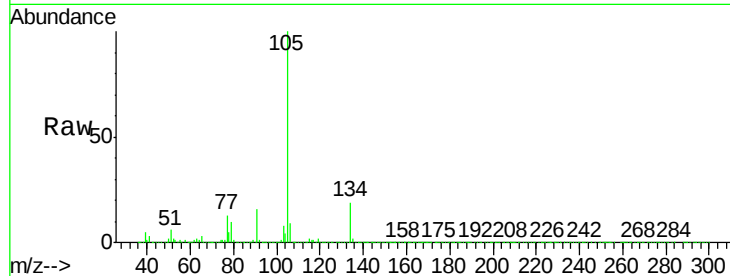
105 100

134 20.6 10.4 31.1

Manual Integrations
APPROVED

apatel

3/31/2020 11:05:26 AM



#86

p-Isopropyltoluene

Concen: 20.626 ug/l

RT: 12.05 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

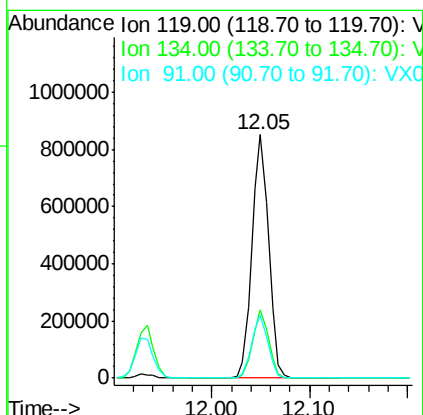
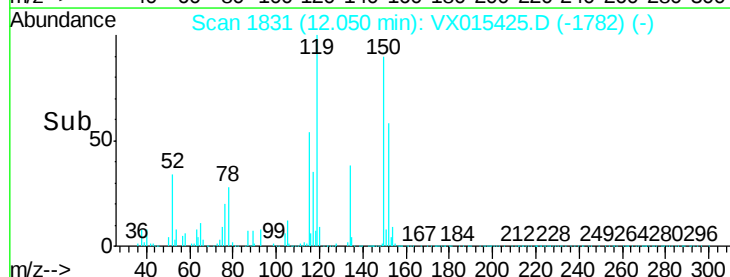
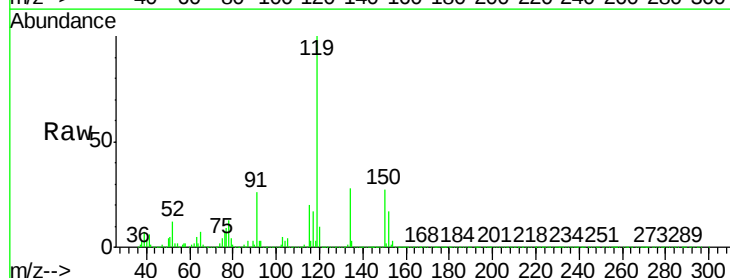
Tgt Ion:119 Resp: 1007877

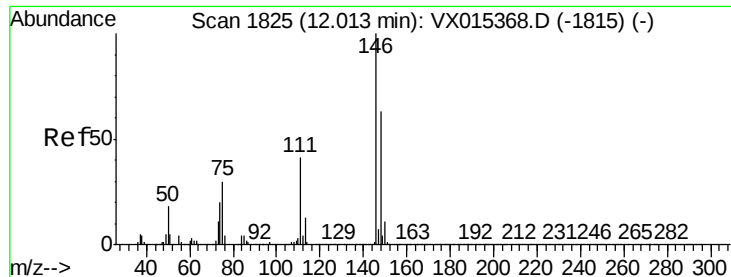
Ion Ratio Lower Upper

119 100

134 26.9 13.1 39.3

91 25.3 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 19.540 ug/l

RT: 12.01 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VX015425.D

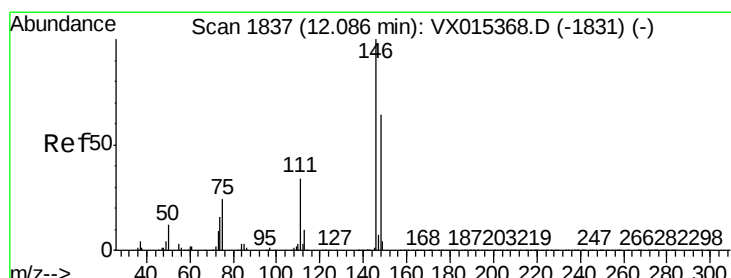
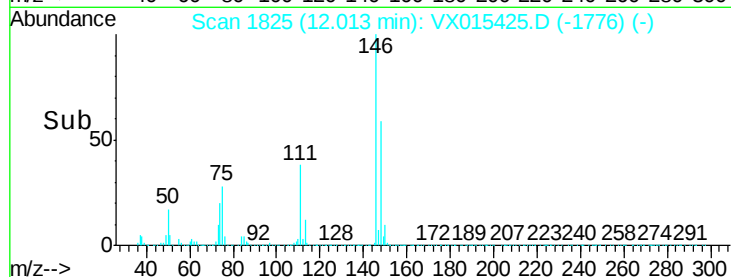
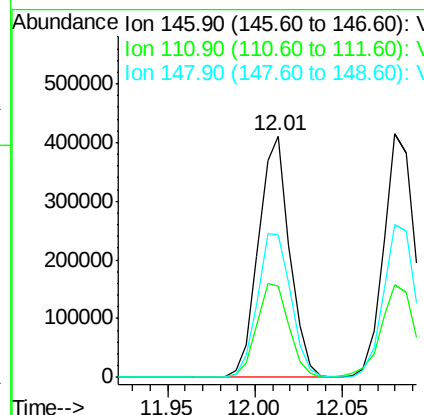
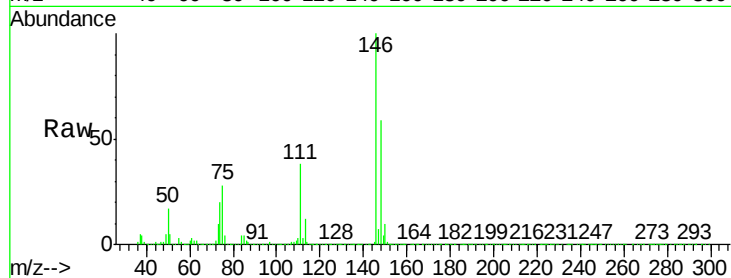
Acq: 30 Mar 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.3	60.9
148	63.9	31.3	93.9

Manual Integrations
APPROVED

apatel
3/31/2020 11:05:26 AM



#88

1,4-Dichlorobenzene

Concen: 19.235 ug/l

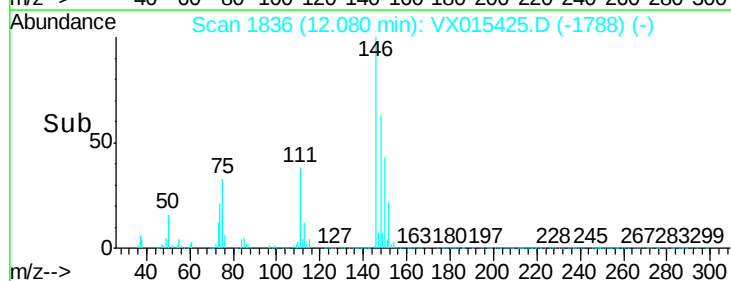
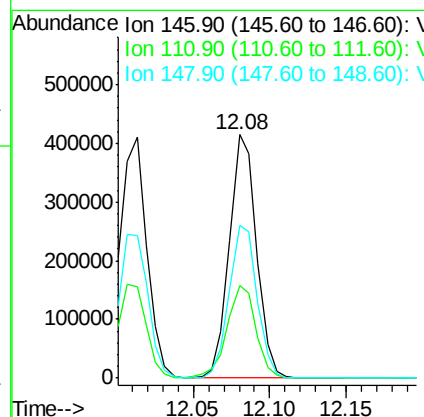
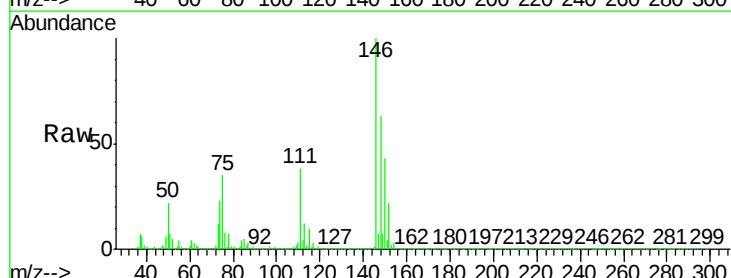
RT: 12.08 min Scan# 1836

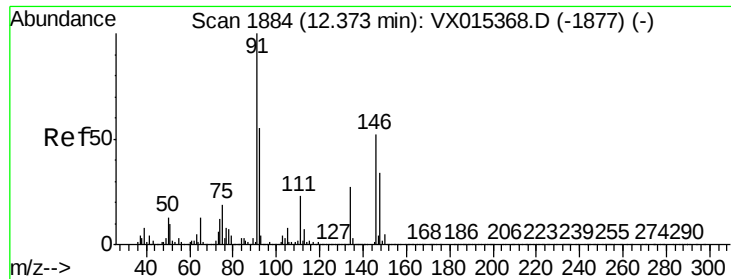
Delta R.T. -0.01 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.1	57.5
148	64.0	32.4	97.2





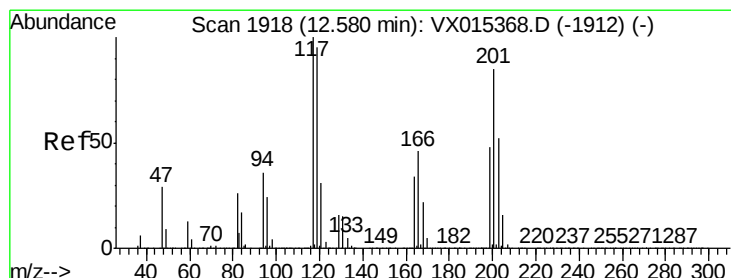
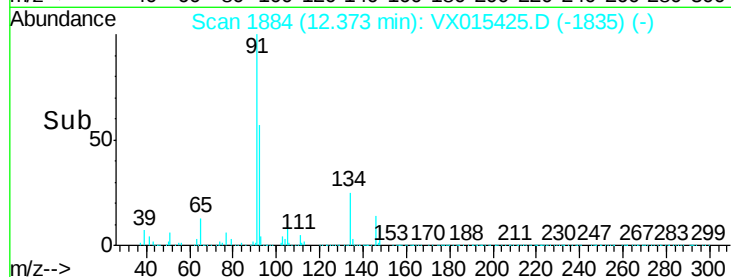
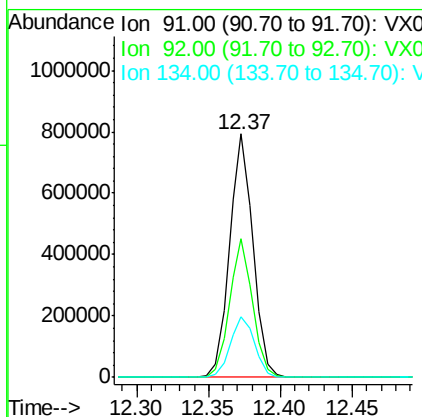
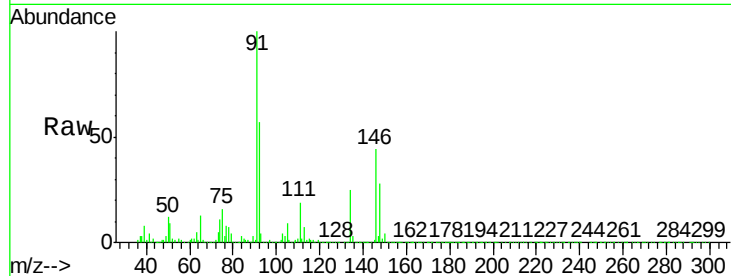
#89
n-Butylbenzene
Concen: 20.464 ug/l
RT: 12.37 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Instrument :
MSVOA_X
ClientSampled :
VX0330WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.6	27.2	81.5	
134	26.2	13.4	40.2	

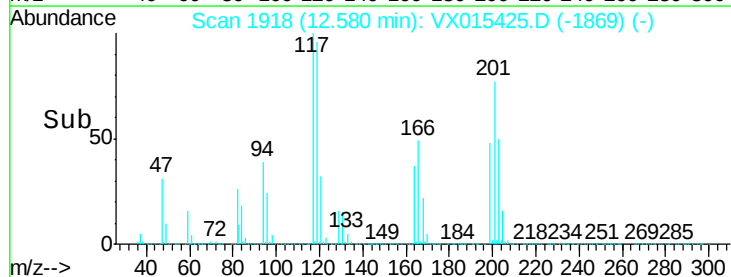
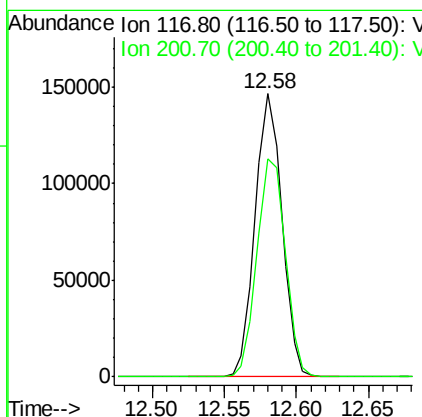
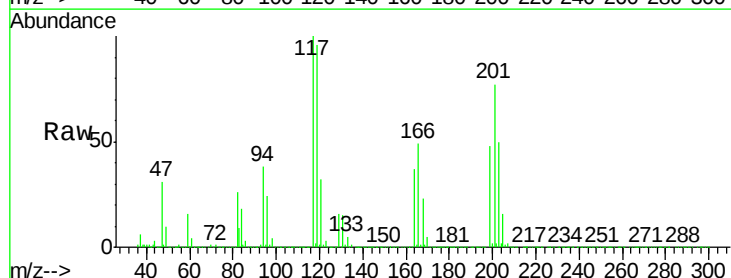
Manual Integrations
APPROVED

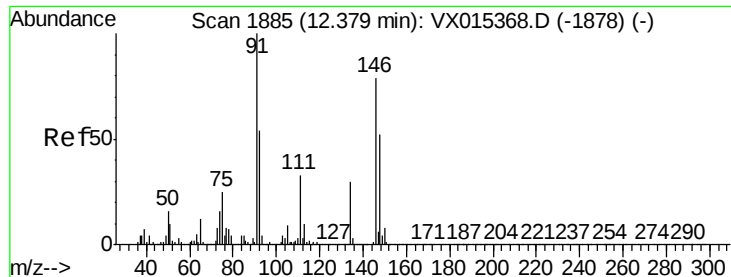
apatel
3/31/2020 11:05:26 AM



#90
Hexachloroethane
Concen: 19.793 ug/l
RT: 12.58 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	82.2	42.6	128.0	





#91

1,2-Dichlorobenzene

Concen: 19.135 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Instrument :

MSVOA_X

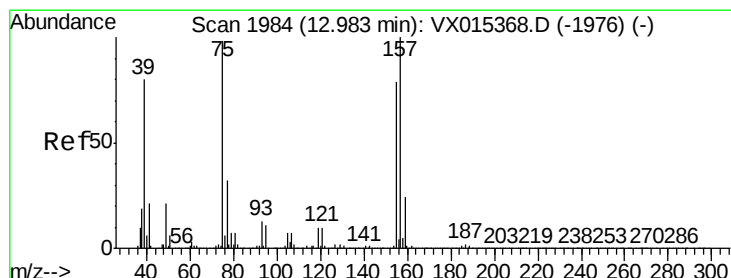
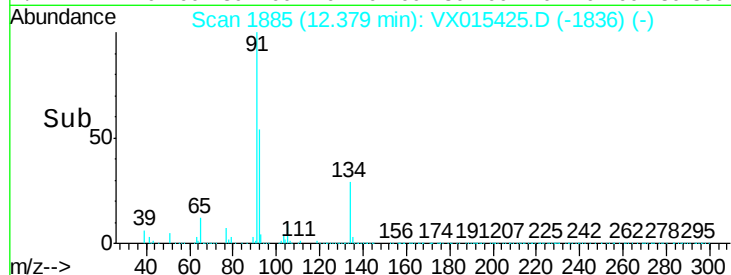
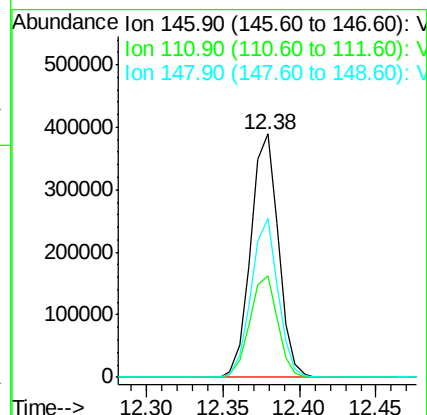
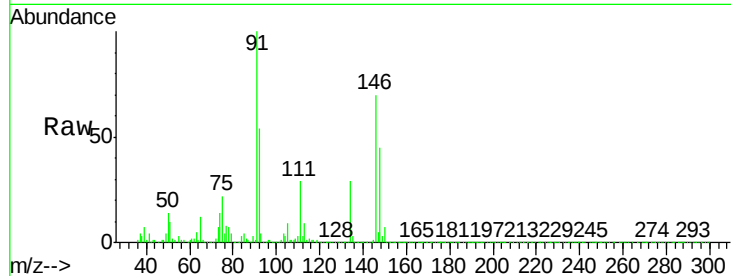
ClientSampleId :

VX0330WBS01

Tot Ion:	146	Resp:	487844
Ion Ratio	Lower	Upper	
146	100		
111	42.2	21.0	63.0
148	63.9	32.4	97.0

Manual Integrations
APPROVED

apatel
3/31/2020 11:05:26 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 15.657 ug/l

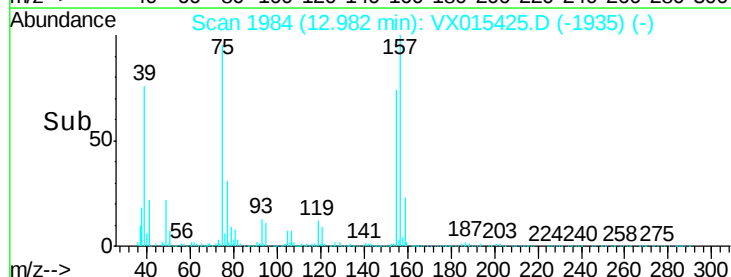
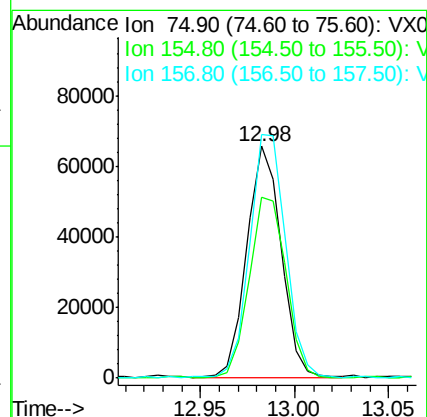
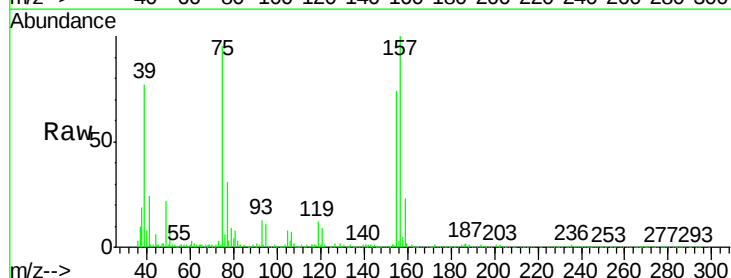
RT: 12.98 min Scan# 1984

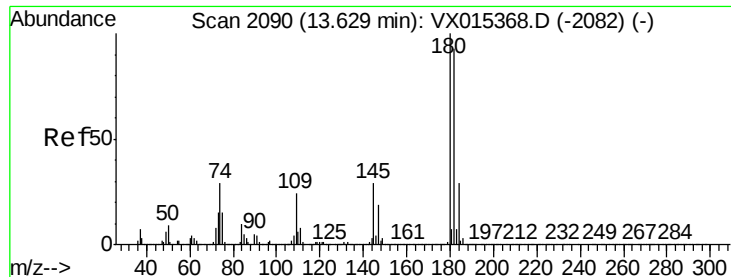
Delta R.T. -0.00 min

Lab File: VX015425.D

Acq: 30 Mar 2020 14:00

Tgt Ion:	75	Resp:	82730
Ion Ratio	Lower	Upper	
75	100		
155	84.1	42.8	128.4
157	111.1	53.4	160.3





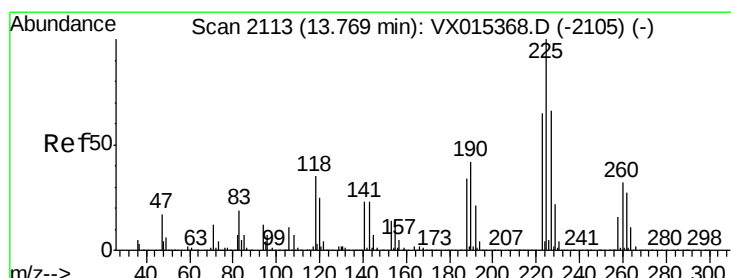
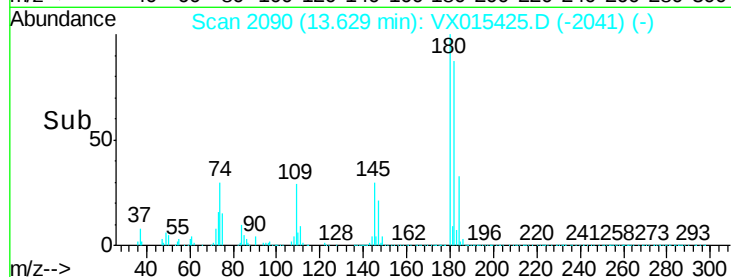
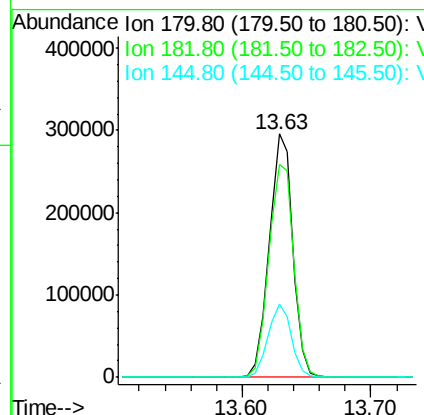
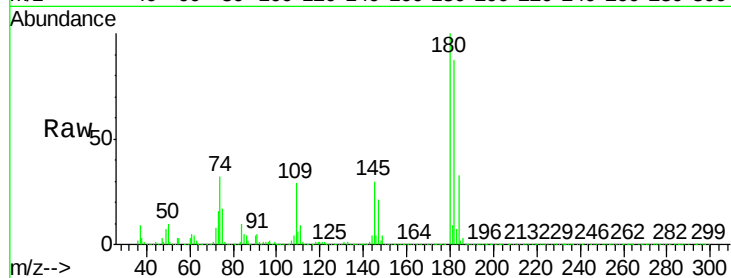
#93
 1,2,4-Trichlorobenzene
 Concen: 18.528 ug/l
 RT: 13.63 min Scan# 2090
 Delta R.T. -0.00 min
 Lab File: VX015425.D
 Acq: 30 Mar 2020 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0330WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	373650		
182	92.7	46.9	140.7	
145	29.6	14.9	44.5	

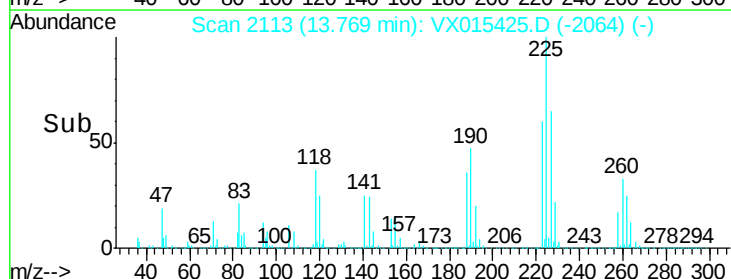
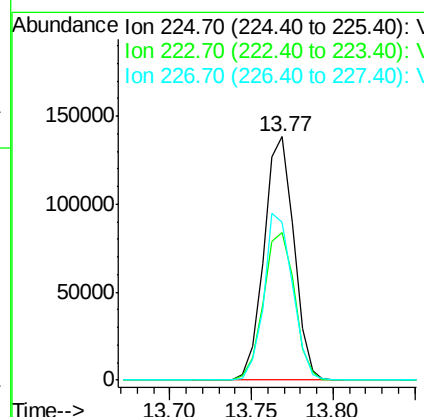
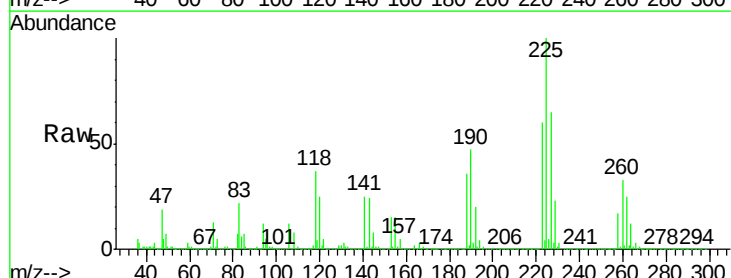
Manual Integrations
 APPROVED

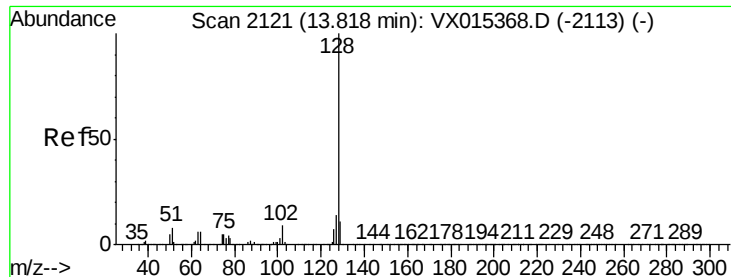
apatel
 3/31/2020 11:05:26 AM



#94
 Hexachlorobutadiene
 Concen: 18.321 ug/l
 RT: 13.77 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VX015425.D
 Acq: 30 Mar 2020 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	175907		
223	62.7	31.9	95.7	
227	66.0	30.4	91.3	





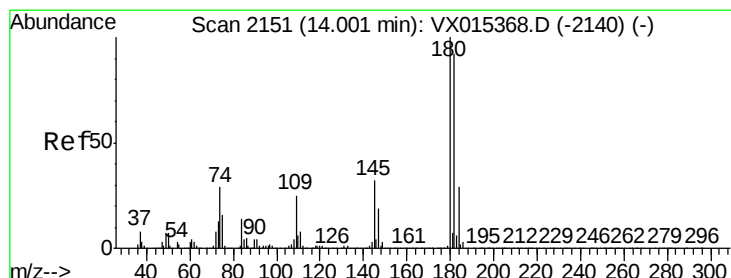
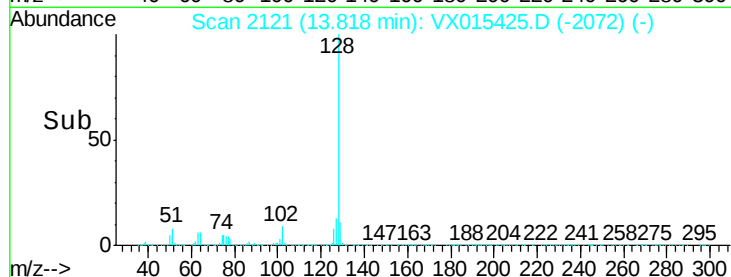
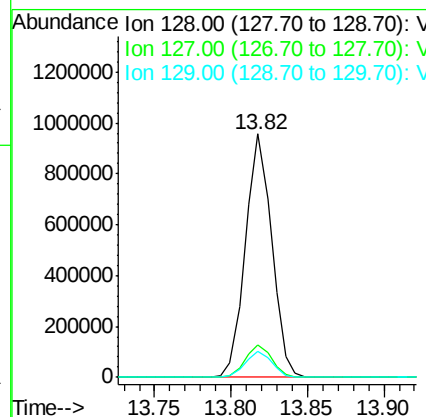
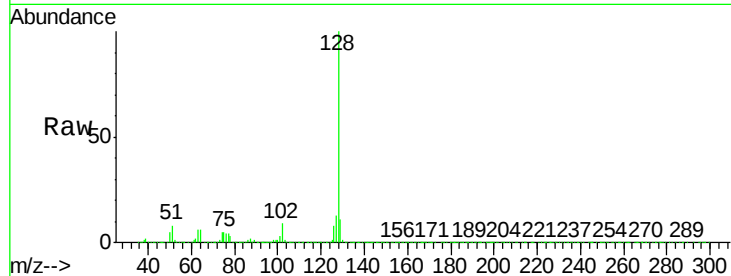
#95
Naphthalene
Concen: 18.538 ug/l
RT: 13.82 min Scan# 2121
Delta R.T. -0.00 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.9	8.8	13.2

Manual Integrations
APPROVED

apatel
3/31/2020 11:05:26 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.276 ug/l
RT: 14.01 min Scan# 2152
Delta R.T. 0.01 min
Lab File: VX015425.D
Acq: 30 Mar 2020 14:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.6	46.7	140.0
145	31.9	15.8	47.3

