

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030920\
 Data File : VX015131.D
 Acq On : 09 Mar 2020 10:20
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 4:45:18 PM

Quant Time: Mar 09 14:08:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	366415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	542714	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	501501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	267206	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	196713	45.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.50%	
35) Dibromofluoromethane	5.48	113	163270	47.69	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.38%	
50) Toluene-d8	8.71	98	618621	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	
62) 4-Bromofluorobenzene	11.13	95	223597	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.19	85	160807	50.118	ug/l	98
3) Chloromethane	1.31	50	221156	48.659	ug/l	100
4) Vinyl Chloride	1.40	62	218491	47.409	ug/l	99
5) Bromomethane	1.63	94	134674	47.532	ug/l	99
6) Chloroethane	1.72	64	138111	49.957	ug/l	97
7) Trichlorofluoromethane	1.92	101	272536	49.698	ug/l	96
8) Diethyl Ether	2.18	74	125125	50.376	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	180048	52.185	ug/l	99
10) Methyl Iodide	2.50	142	193208	49.567	ug/l	100
11) Tert butyl alcohol	3.03	59	195242	258.870	ug/l	99
12) 1,1-Dichloroethene	2.36	96	175301	49.232	ug/l	98
13) Acrolein	2.28	56	188369	265.766	ug/l	99
14) Allyl chloride	2.72	41	318863	51.358	ug/l	98
15) Acrylonitrile	3.12	53	480465	255.800	ug/l	100
16) Acetone	2.43	43	465105	264.193	ug/l	97
17) Carbon Disulfide	2.56	76	469902	47.520	ug/l	98
18) Methyl Acetate	2.76	43	211760	49.193	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	578912	52.028	ug/l	99
20) Methylene Chloride	2.84	84	196381	47.665	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	188734	49.640	ug/l	99
22) Diisopropyl ether	3.84	45	653879	52.861	ug/l	98
23) Vinyl Acetate	3.80	43	2753973	270.846	ug/l	100
24) 1,1-Dichloroethane	3.68	63	343534	50.039	ug/l	100
25) 2-Butanone	4.65	43	688716	267.221	ug/l	98
26) 2,2-Dichloropropane	4.57	77	285152	52.321	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	214415	50.268	ug/l	98
28) Bromochloromethane	5.00	49	157999	50.541	ug/l	96
29) Tetrahydrofuran	5.11	42	421281	253.574	ug/l	99
30) Chloroform	5.19	83	339206	50.693	ug/l	98
31) Cyclohexane	5.57	56	311404	50.853	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	288524	52.017	ug/l	98
36) 1,1-Dichloropropene	5.78	75	258915	51.606	ug/l	100
37) Ethyl Acetate	4.81	43	257710	55.374	ug/l	99
38) Carbon Tetrachloride	5.77	117	247916	52.349	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	322274	55.010	ug/l	99
40) Benzene	6.13	78	774806	52.052	ug/l	99
41) Methacrylonitrile	5.02	41	149269	53.398	ug/l	97
42) 1,2-Dichloroethane	6.18	62	277702	54.326	ug/l	98
43) Isopropyl Acetate	6.42	43	437901	53.486	ug/l	100
44) Trichloroethene	7.20	130	208876	50.387	ug/l	96
45) 1,2-Dichloropropane	7.50	63	205698	53.388	ug/l	100
46) Dibromomethane	7.65	93	131119	52.228	ug/l	98
47) Bromodichloromethane	7.89	83	271411	54.670	ug/l	98
48) Methyl methacrylate	7.76	41	220009	52.798	ug/l	98
49) 1,4-Dioxane	7.73	88	94145	1044.953	ug/l	98
51) 4-Methyl-2-Pentanone	8.63	43	1347372	278.340	ug/l	100
52) Toluene	8.78	92	491081	53.957	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	301258	57.011	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	331285	55.456	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	195267	52.126	ug/l	98
56) Ethyl methacrylate	9.17	69	307127	57.479	ug/l	99
57) 1,3-Dichloropropane	9.36	76	335922	53.301	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	858255	294.841	ug/l	100
59) 2-Hexanone	9.48	43	1038214	289.366	ug/l	100
60) Dibromochloromethane	9.57	129	215709	54.817	ug/l	99
61) 1,2-Dibromoethane	9.67	107	204045	51.858	ug/l	100
64) Tetrachloroethene	9.33	164	210881	50.858	ug/l	98
65) Chlorobenzene	10.13	112	536916	53.327	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	200187	52.729	ug/l	99
67) Ethyl Benzene	10.25	91	954573	55.832	ug/l	99
68) m/p-Xylenes	10.36	106	727232	111.799	ug/l	99
69) o-Xylene	10.69	106	342986	55.072	ug/l	98
70) Styrene	10.70	104	603357	56.502	ug/l	99
71) Bromoform	10.85	173	162775	55.289	ug/l #	99
73) Isopropylbenzene	11.01	105	938227	54.966	ug/l	100
74) N-amyl acetate	10.89	43	393980	54.768	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	289185	50.836	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	248145m	46.557	ug/l	
77) Bromobenzene	11.25	156	241673	50.804	ug/l	99
78) n-propylbenzene	11.35	91	1089303	55.859	ug/l	100
79) 2-Chlorotoluene	11.42	91	632057	54.273	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	790809	55.654	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	100005	53.249	ug/l	98
82) 4-Chlorotoluene	11.51	91	744622	54.119	ug/l	99
83) tert-Butylbenzene	11.76	119	761656	55.435	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	796645	55.807	ug/l	100
85) sec-Butylbenzene	11.94	105	926346	55.851	ug/l	99
86) p-Isopropyltoluene	12.06	119	859072	56.218	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	434274	51.931	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	441484	51.135	ug/l	99
89) n-Butylbenzene	12.38	91	777514	57.208	ug/l	100
90) Hexachloroethane	12.59	117	155283	53.751	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	432375	52.005	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	59920	52.603	ug/l	96

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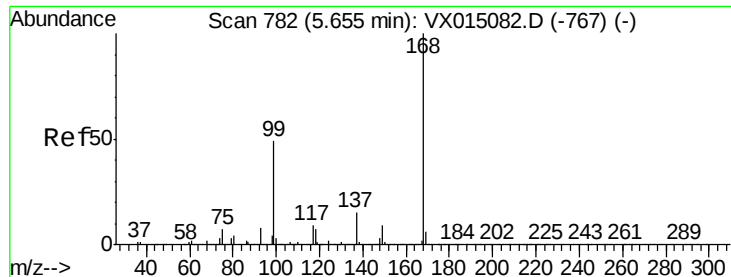
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	311048	53.897	ug/l	99
94) Hexachlorobutadiene	13.78	225	153648	51.883	ug/l	99
95) Naphthalene	13.83	128	882120	49.878	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	314499	54.618	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 366415

Ion Ratio Lower Upper

168 100

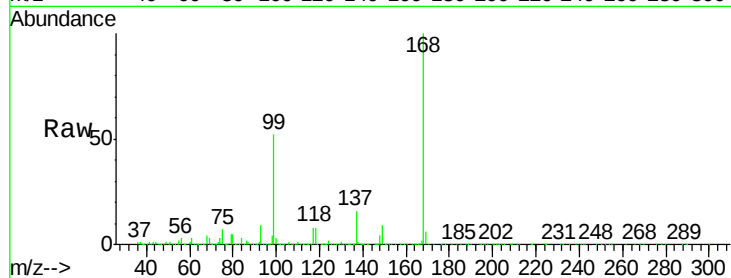
99 51.7 39.4 59.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

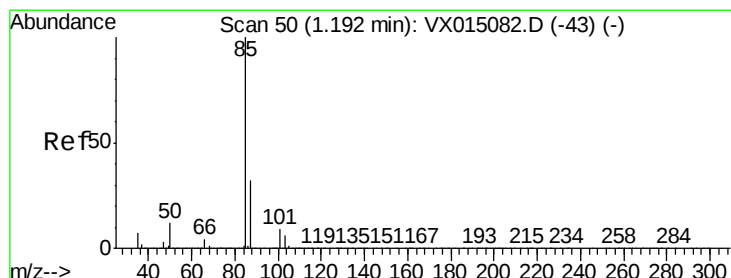
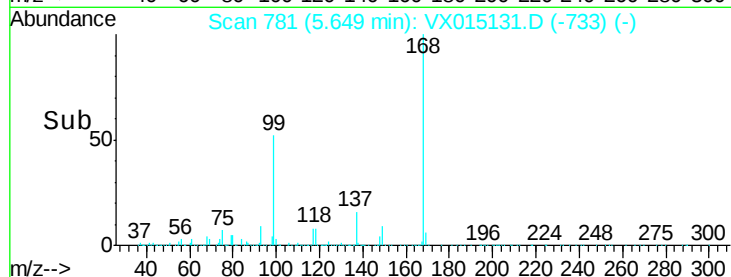
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50000

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Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 50.118 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX015131.D

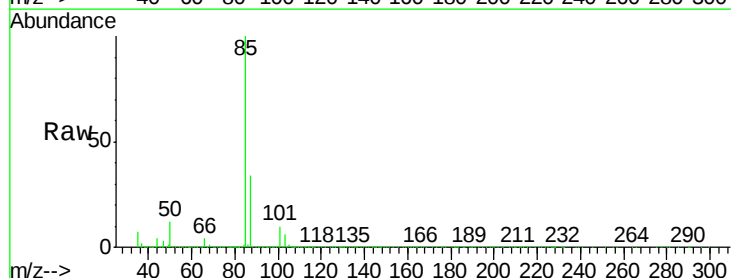
Acq: 09 Mar 2020 10:20

Tgt Ion: 85 Resp: 160807

Ion Ratio Lower Upper

85 100

87 33.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

150000

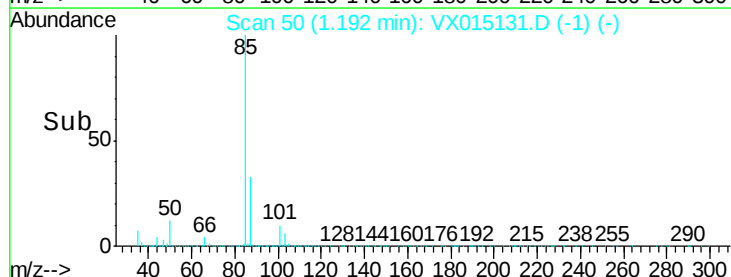
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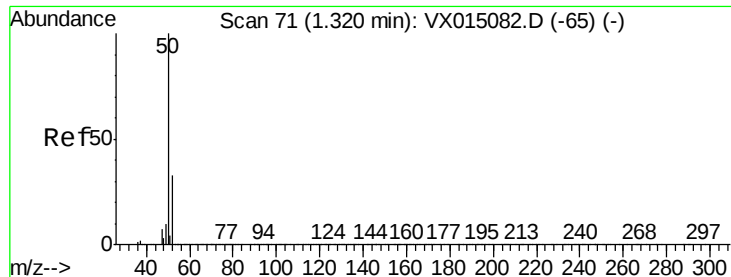
50000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 48.659 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 221156

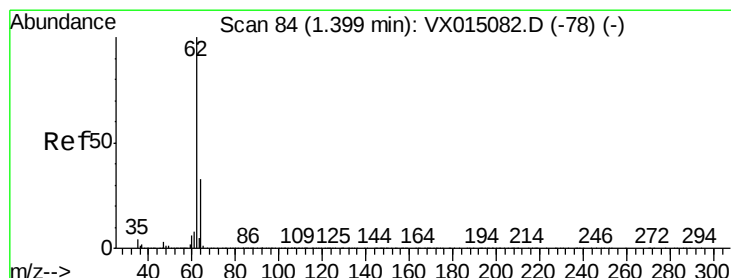
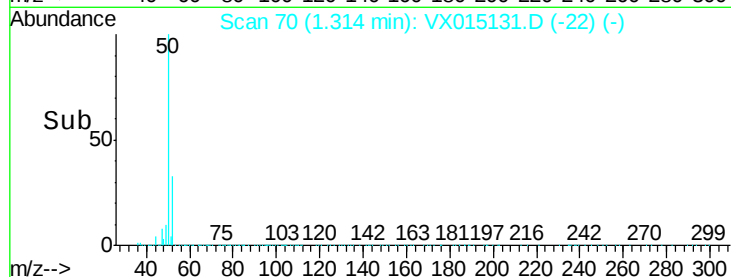
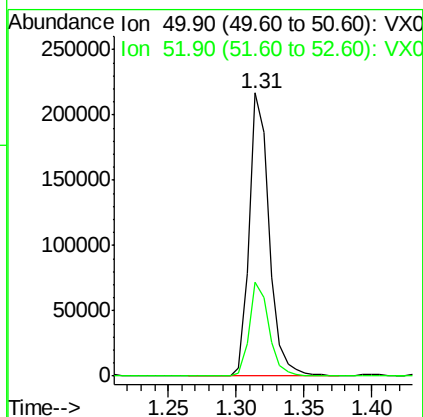
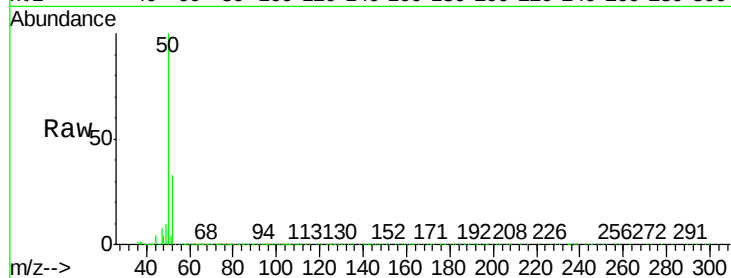
Ion Ratio Lower Upper

50 100

52 33.0 26.2 39.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 47.409 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX015131.D

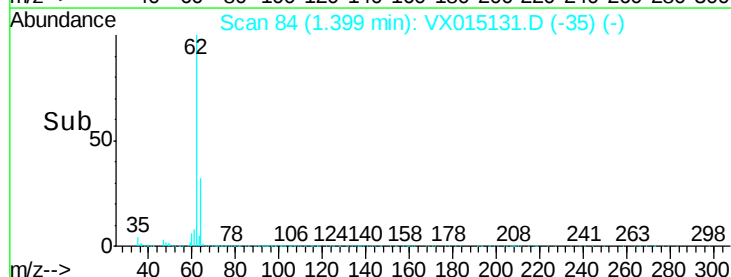
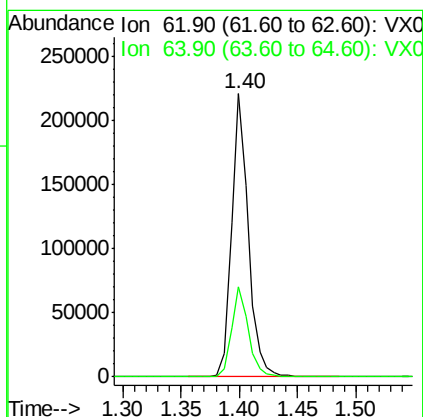
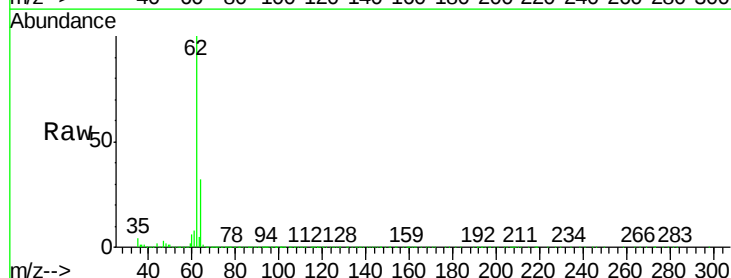
Acq: 09 Mar 2020 10:20

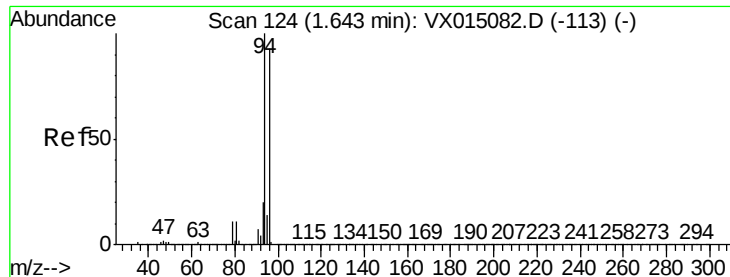
Tgt Ion: 62 Resp: 218491

Ion Ratio Lower Upper

62 100

64 31.8 26.1 39.1





#5

Bromomethane

Concen: 47.532 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.01 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 134674

Ion Ratio Lower Upper

94 100

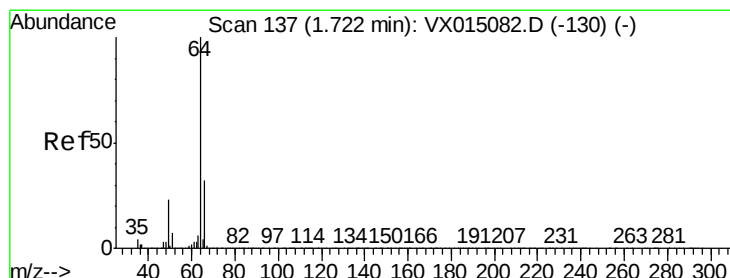
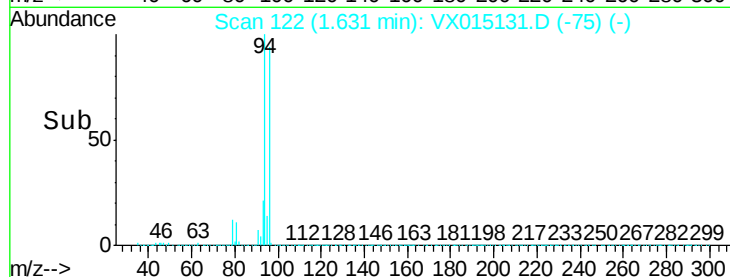
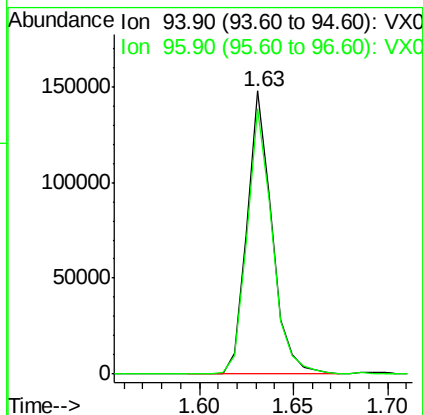
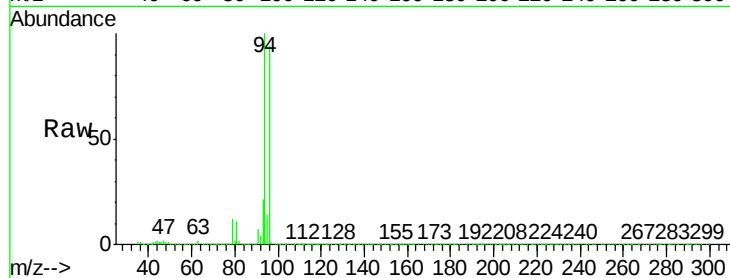
96 93.7 74.6 111.8

Manual Integrations

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#6

Chloroethane

Concen: 49.957 ug/l

RT: 1.72 min Scan# 136

Delta R.T. -0.01 min

Lab File: VX015131.D

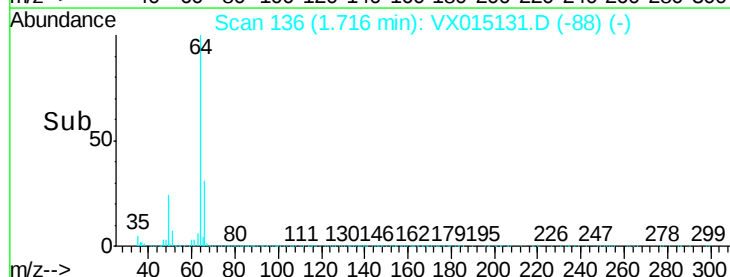
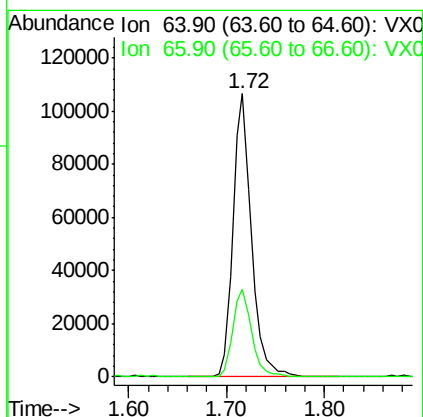
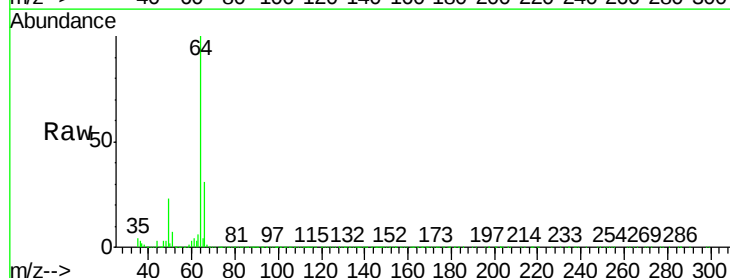
Acq: 09 Mar 2020 10:20

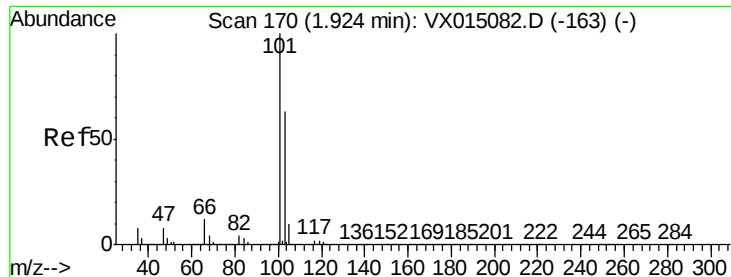
Tgt Ion: 64 Resp: 138111

Ion Ratio Lower Upper

64 100

66 30.8 25.8 38.8





#7

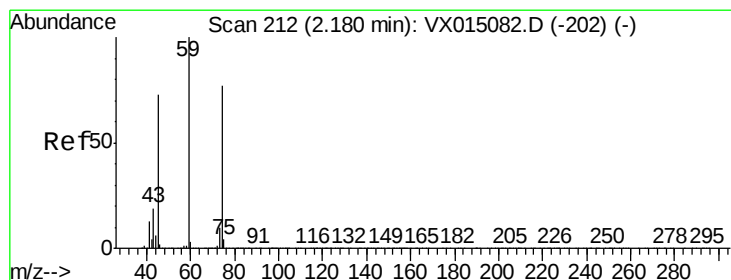
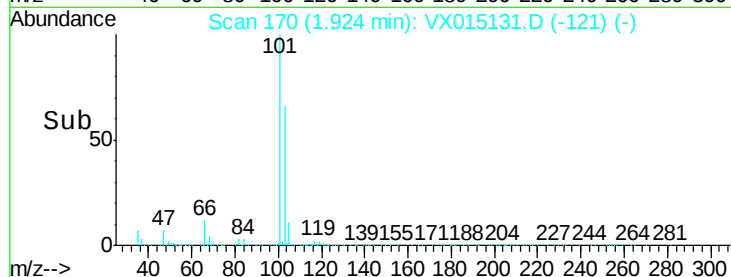
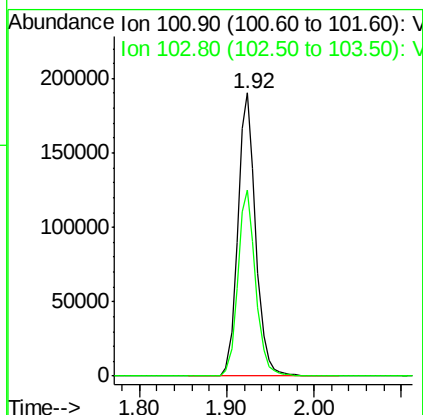
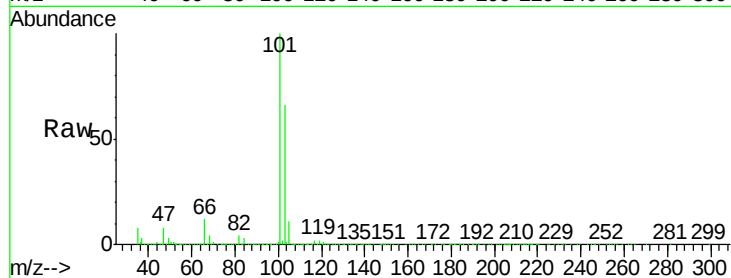
Trichlorofluoromethane
Concen: 49.698 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	50.4	75.6

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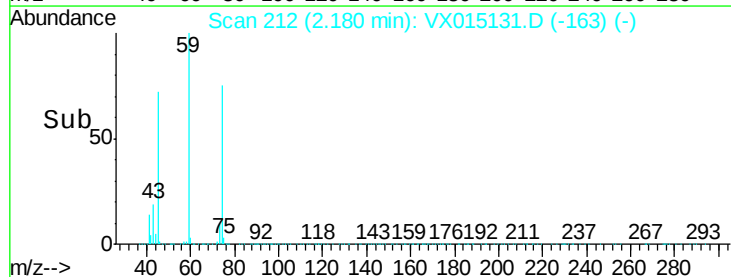
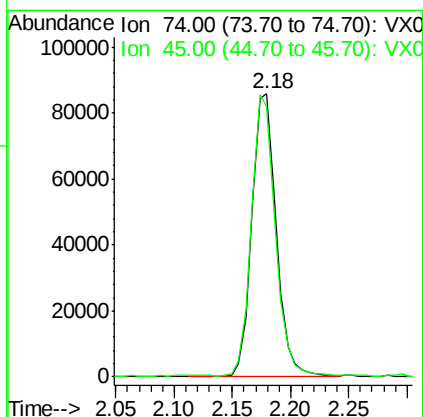
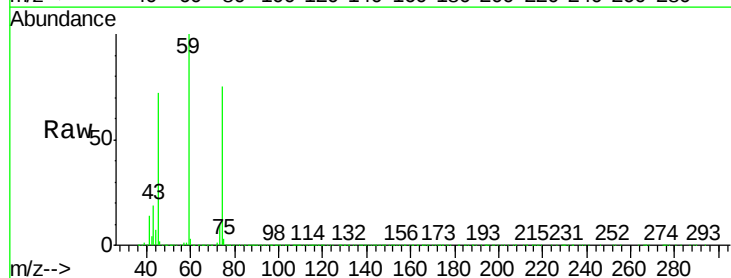
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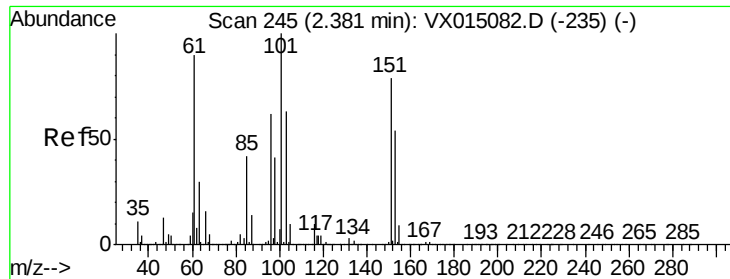


#8

Diethyl Ether
Concen: 50.376 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	49.2	147.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.185 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

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MSVOA_X

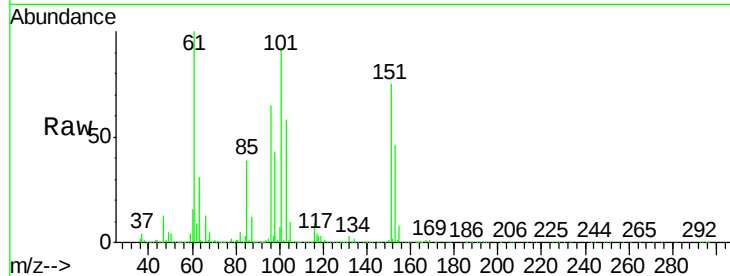
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	180048
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.7	50.5
151	79.4	64.0	96.0

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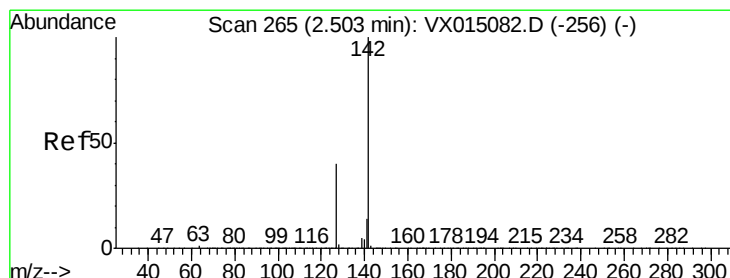
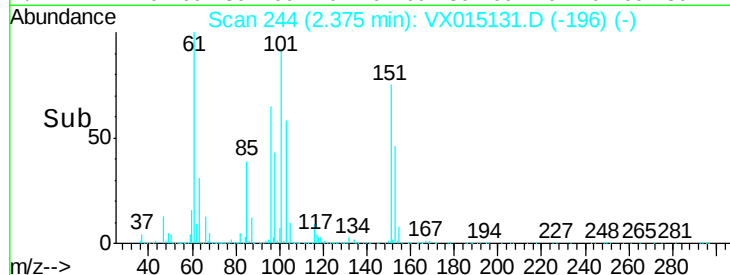
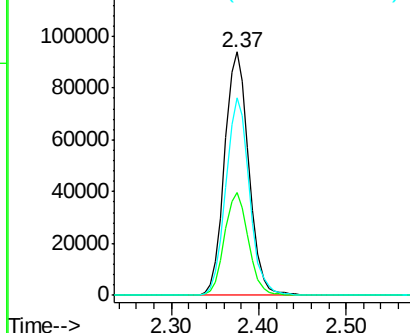


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.567 ug/l

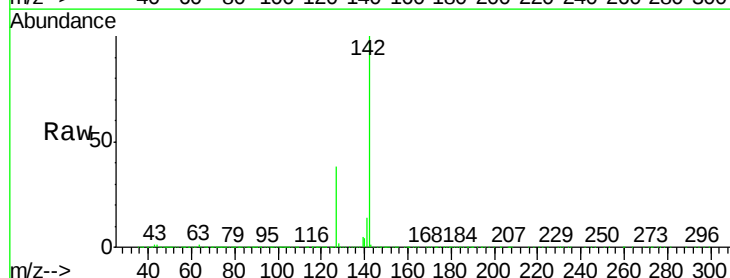
RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Tgt Ion:	142	Resp:	193208
Ion Ratio	Lower	Upper	
142	100		
127	39.8	31.7	47.5
141	14.4	11.3	16.9

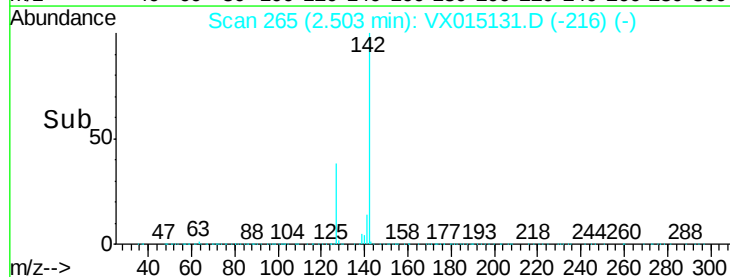
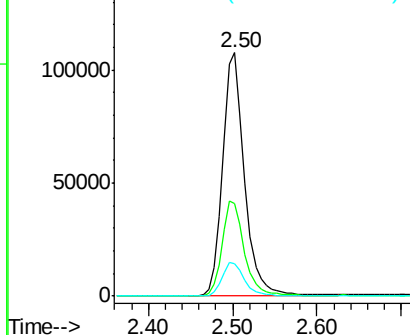


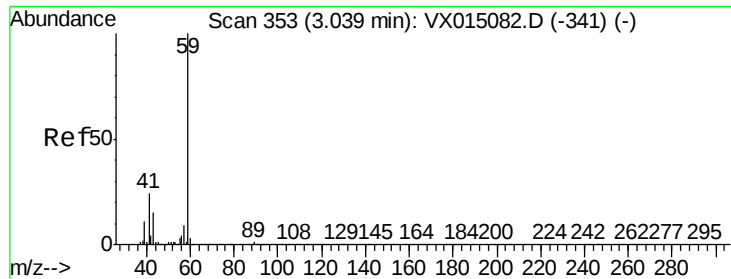
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

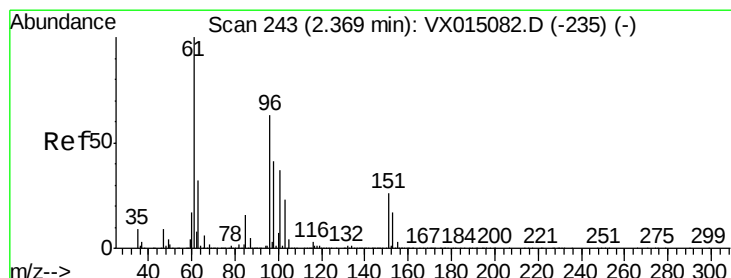
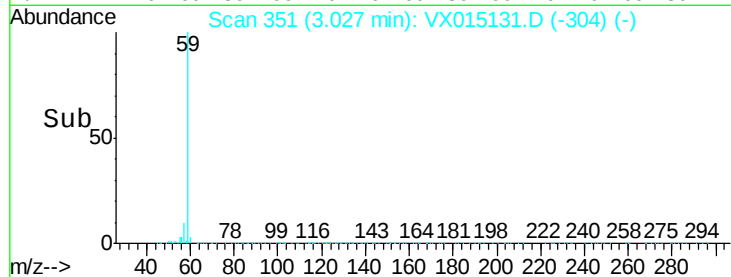
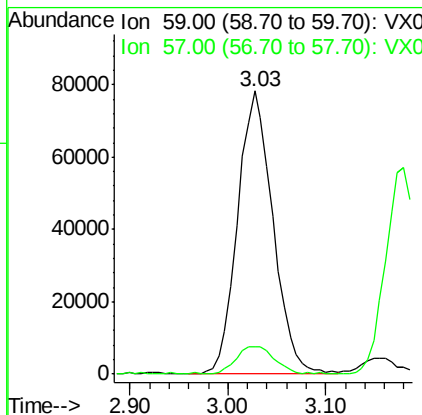
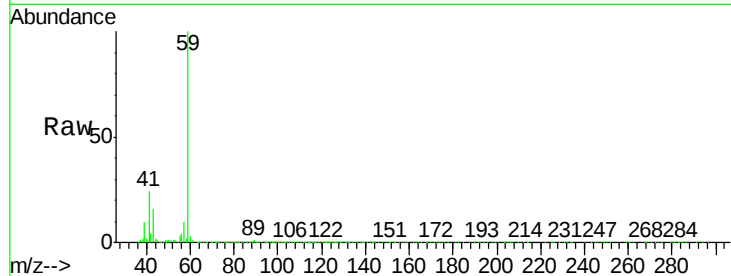
Tert butyl alcohol
Concen: 258.870 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.4

Manual Integrations
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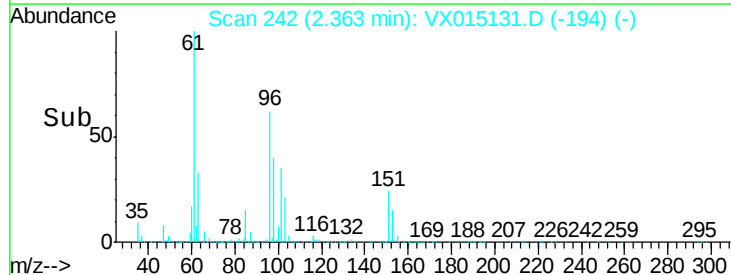
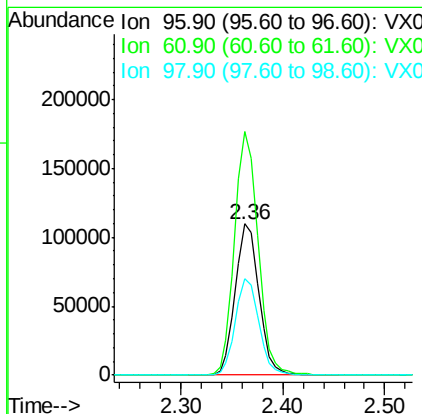
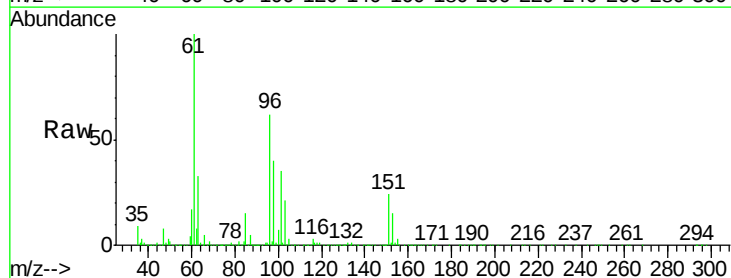
MMDadoda
3/11/2020 4:45:18 PM

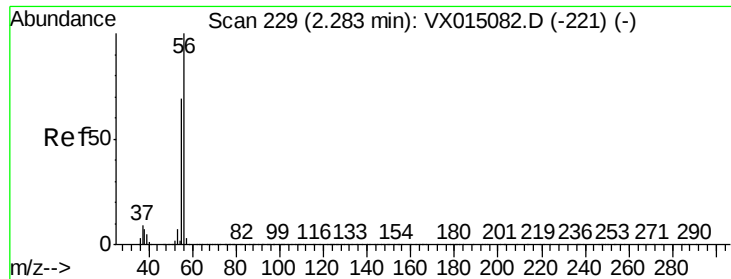


#12

1,1-Dichloroethene
Concen: 49.232 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.01 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.9	126.2	189.4
98	63.5	51.4	77.0





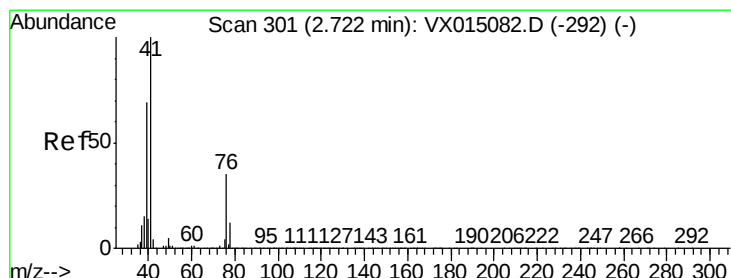
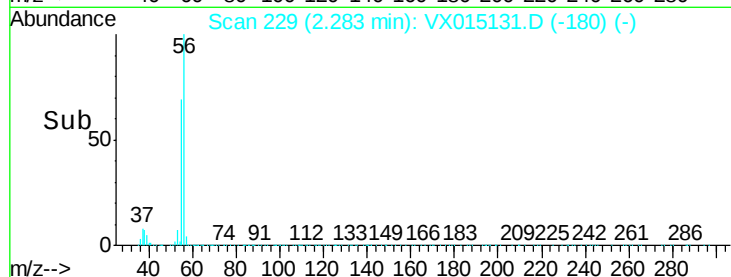
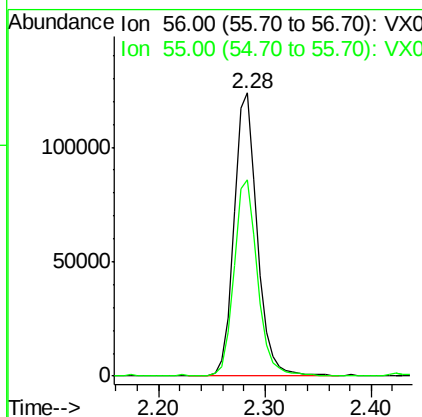
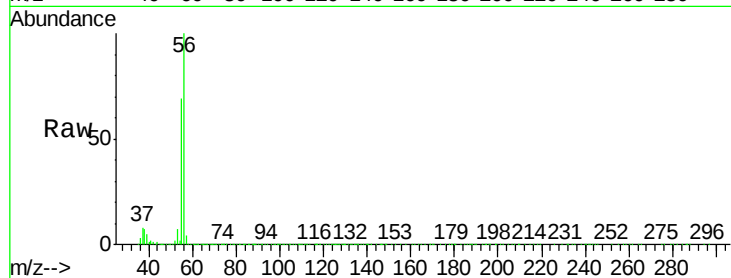
#13
Acrolein
Concen: 265.766 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.9	55.4	83.0

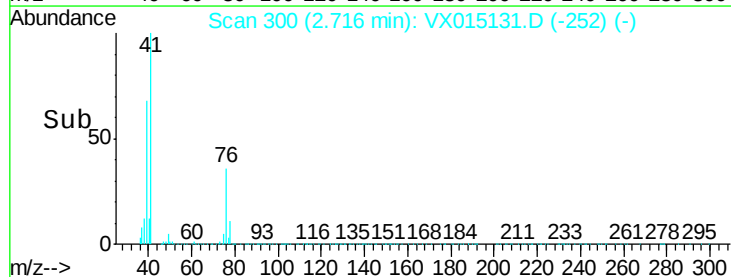
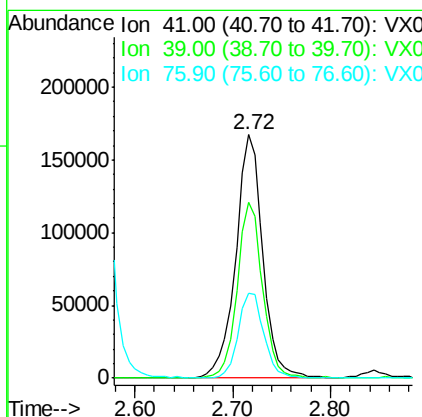
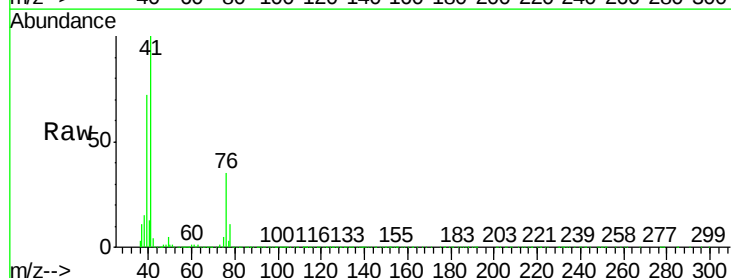
Manual Integrations
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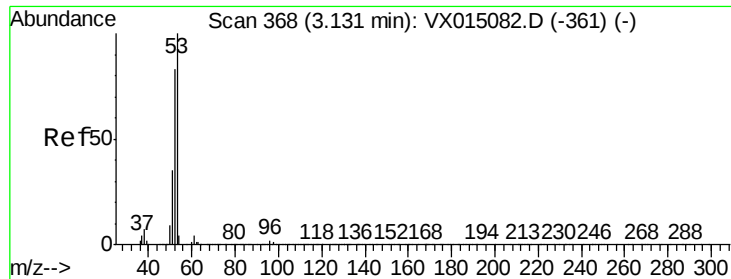
MMDadoda
3/11/2020 4:45:18 PM



#14
Allyl chloride
Concen: 51.358 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.01 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.5	52.9	79.3
76	32.8	26.8	40.2





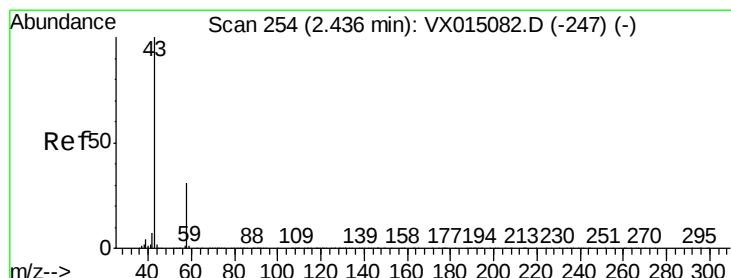
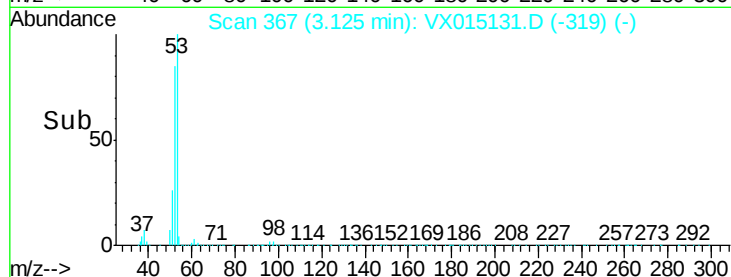
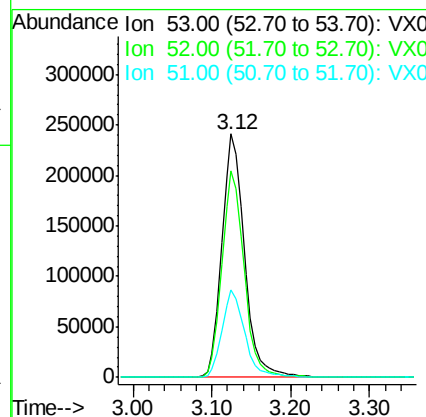
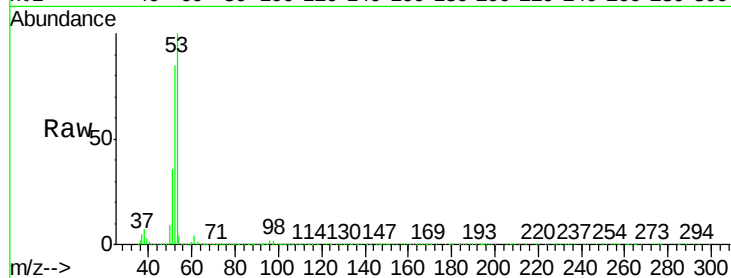
#15
 Acrylonitrile
 Concen: 255.800 ug/l
 RT: 3.12 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VX015131.D
 Acq: 09 Mar 2020 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	480465
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.6	100.0
51	36.0	29.0	43.6

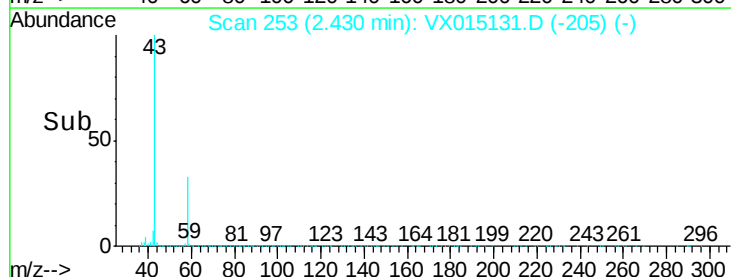
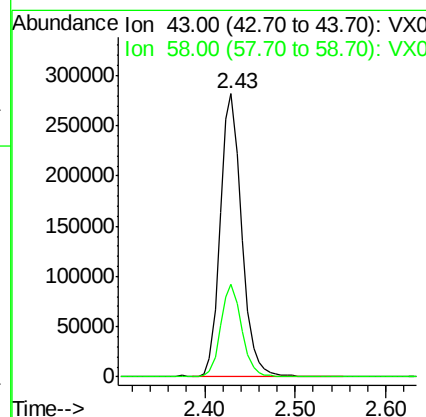
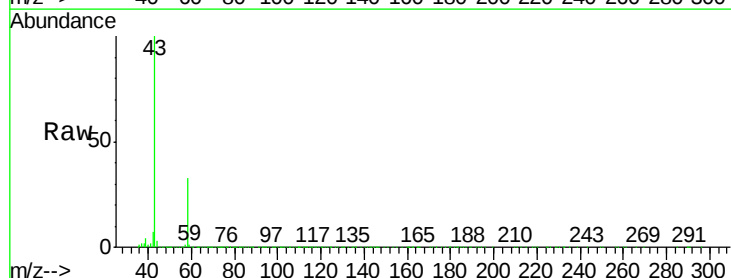
Manual Integrations
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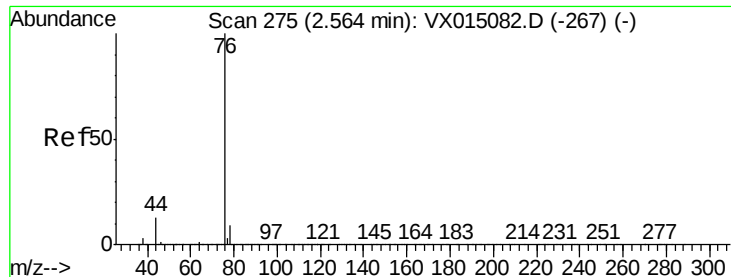
MMDadoda
 3/11/2020 4:45:18 PM



#16
 Acetone
 Concen: 264.193 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX015131.D
 Acq: 09 Mar 2020 10:20

Tgt Ion:	43	Resp:	465105
Ion Ratio	Lower	Upper	
43	100		
58	32.7	24.8	37.2





#17

Carbon Disulfide

Concen: 47.520 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 469902

Ion Ratio Lower Upper

76 100

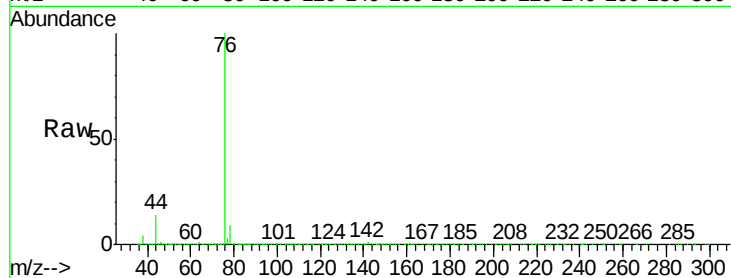
78 8.5 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

300000

250000

200000

150000

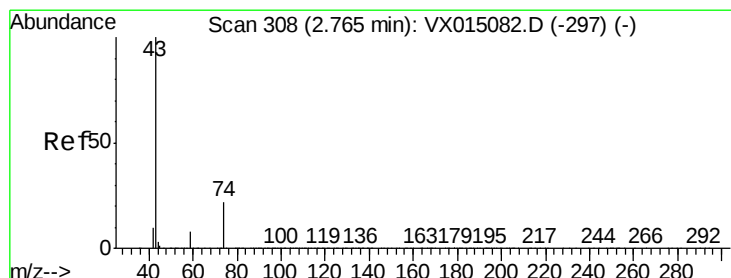
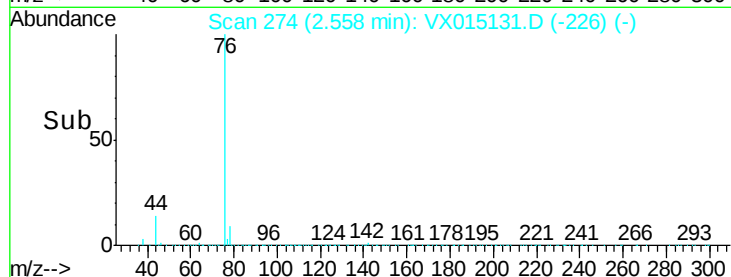
100000

50000

0

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 49.193 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX015131.D

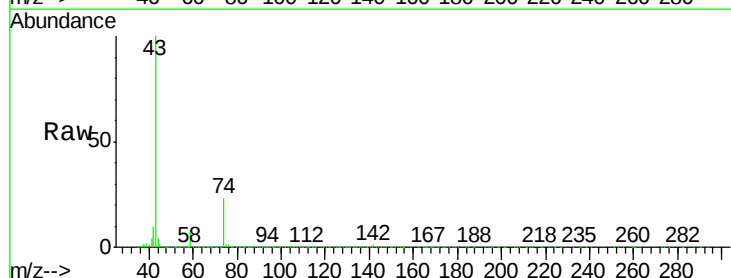
Acq: 09 Mar 2020 10:20

Tgt Ion: 43 Resp: 211760

Ion Ratio Lower Upper

43 100

74 23.8 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

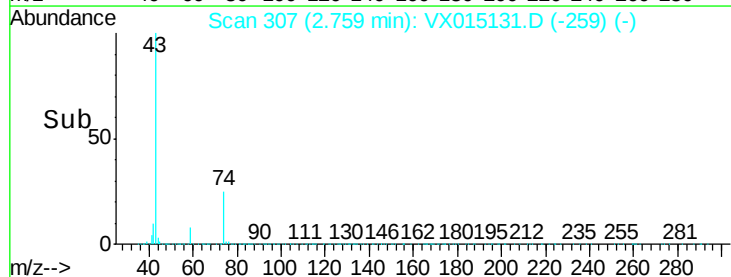
100000

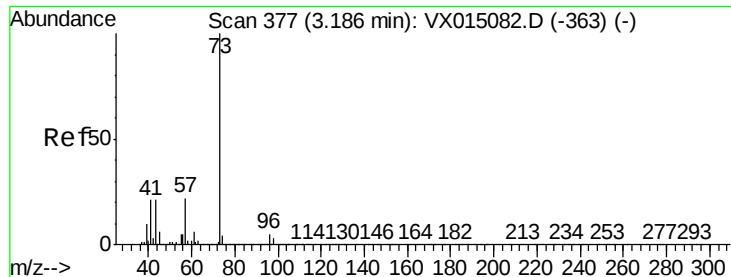
50000

0

2.60 2.70 2.80

Time-->





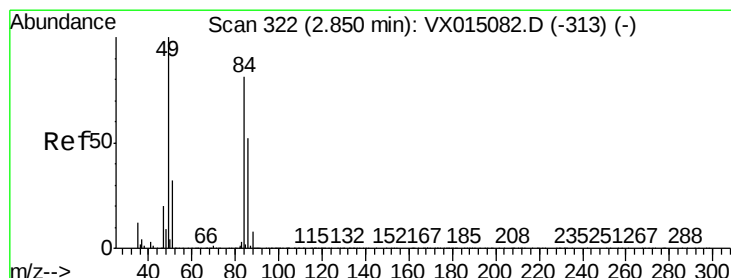
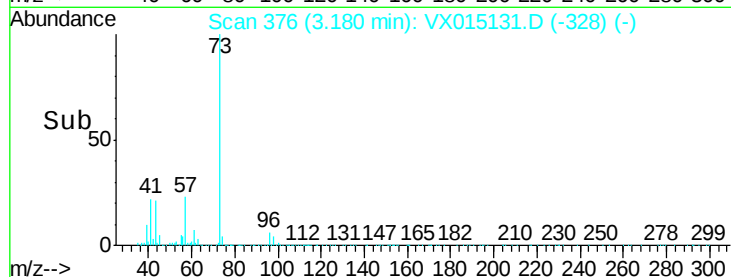
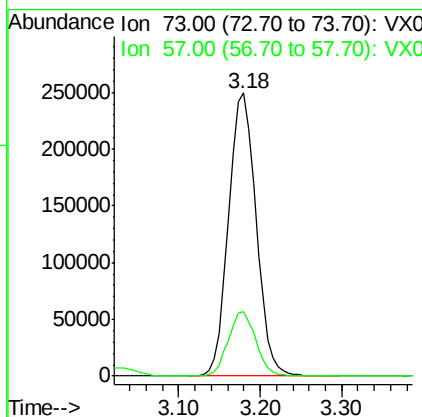
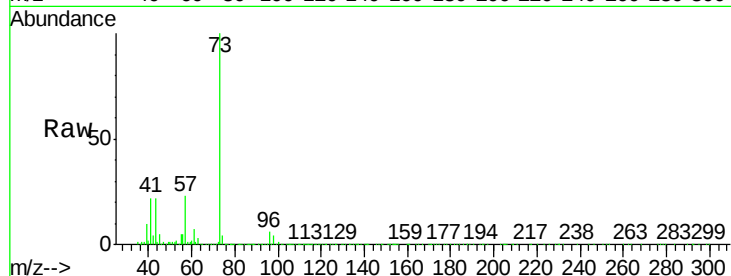
#19
Methvl tert-butvl Ether
Concen: 52.028 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.8	26.6

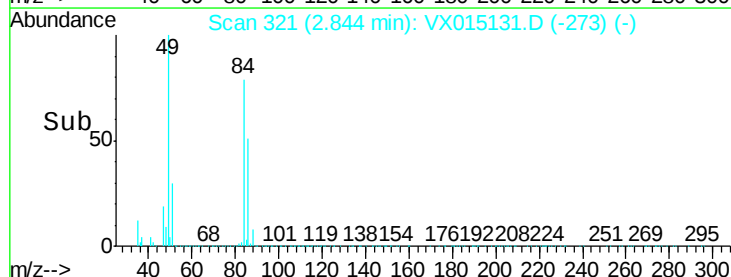
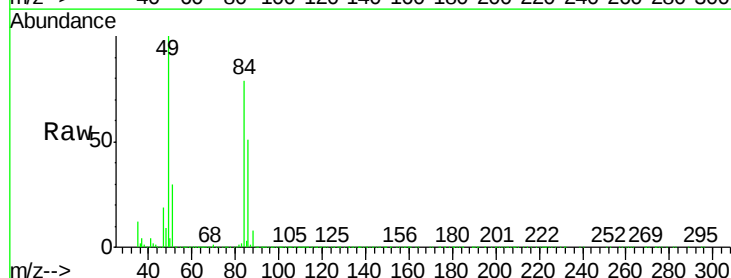
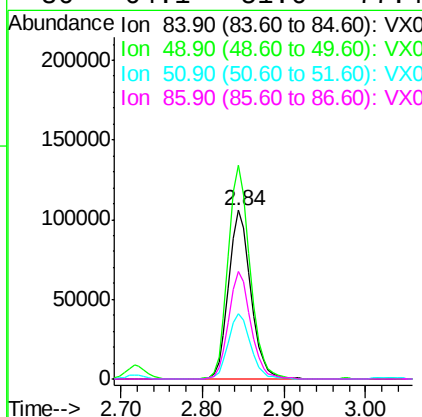
Manual Integrations
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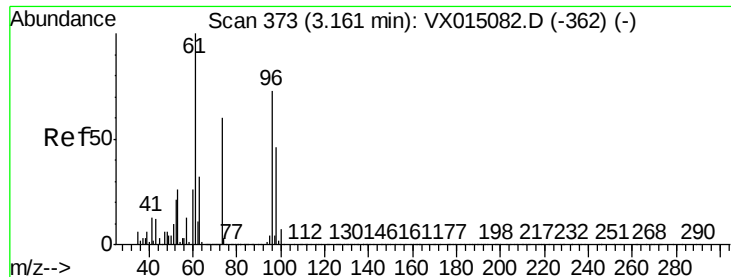
MMDadoda
3/11/2020 4:45:18 PM



#20
Methylene Chloride
Concen: 47.665 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.6	99.4	149.2
51	38.1	31.5	47.3
86	64.1	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 49.640 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Instrument :

MSVOA_X

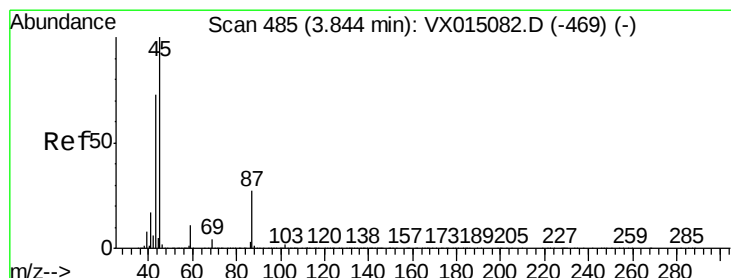
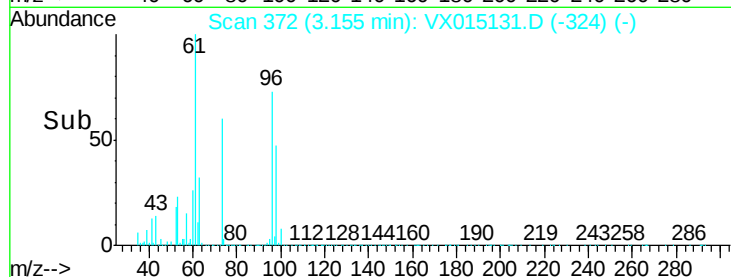
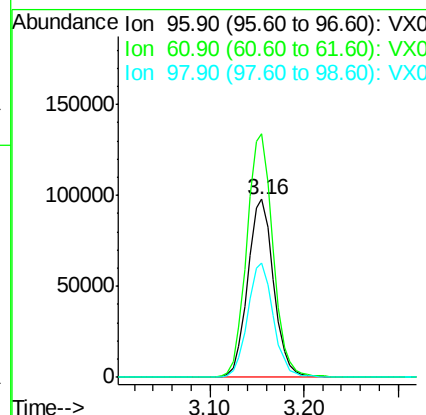
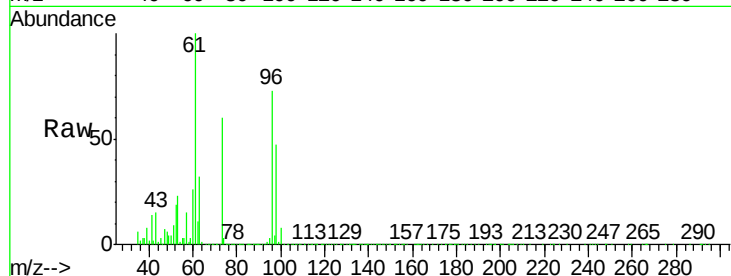
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	188734
Ion	Ratio	Lower	Upper
96	100		
61	136.8	109.9	164.9
98	63.8	50.2	75.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.861 ug/l

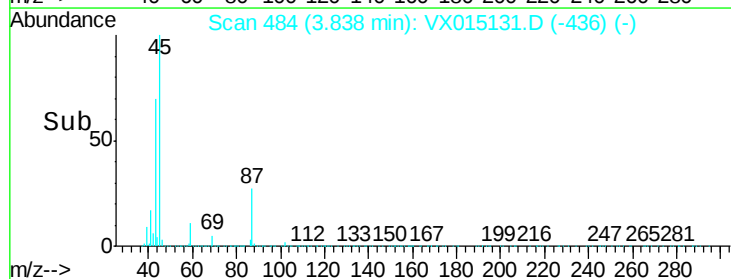
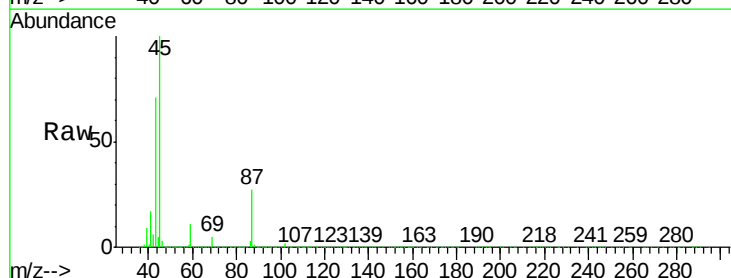
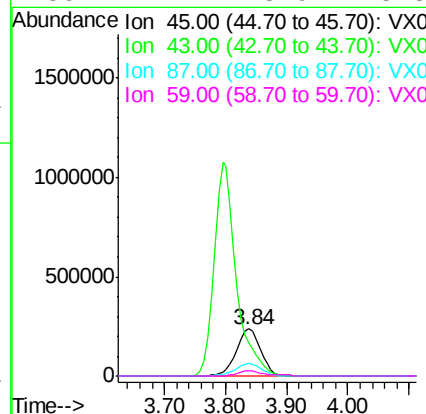
RT: 3.84 min Scan# 484

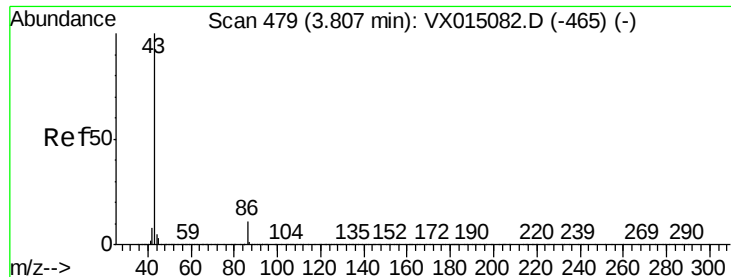
Delta R.T. -0.01 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Tgt Ion:	45	Resp:	653879
Ion	Ratio	Lower	Upper
45	100		
43	70.2	58.2	87.2
87	27.2	21.2	31.8
59	11.4	8.9	13.3





#23

Vinyl Acetate

Concen: 270.846 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.01 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2753973

Ion Ratio Lower Upper

43 100

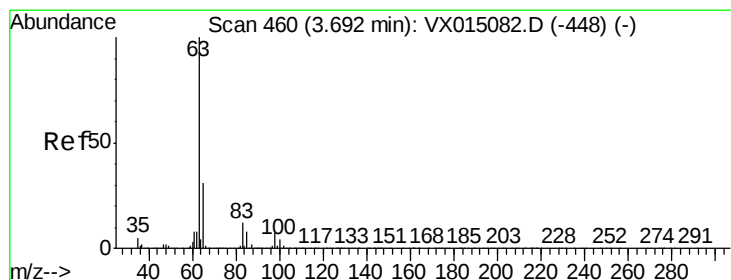
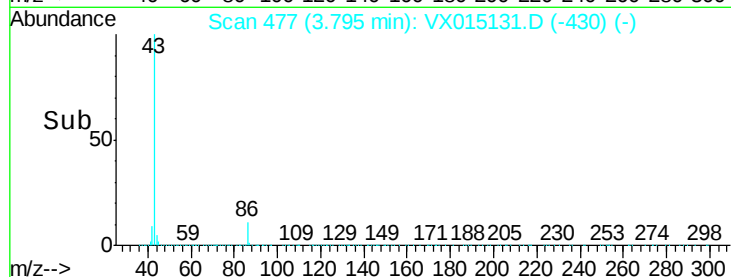
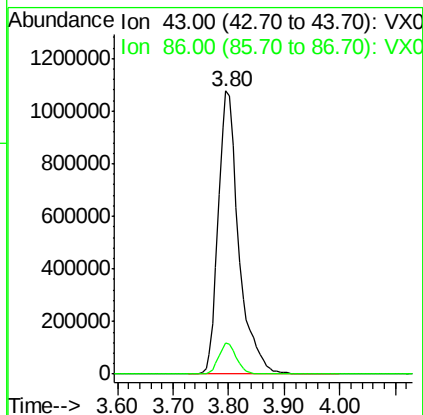
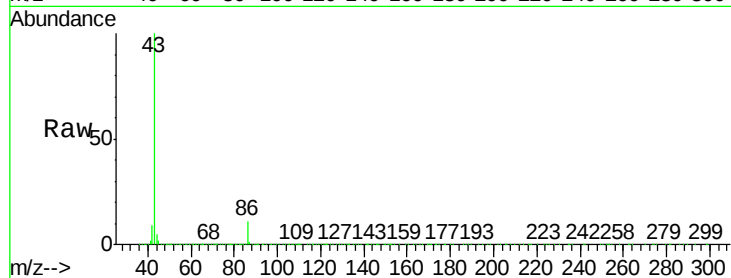
86 10.9 8.6 12.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.039 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

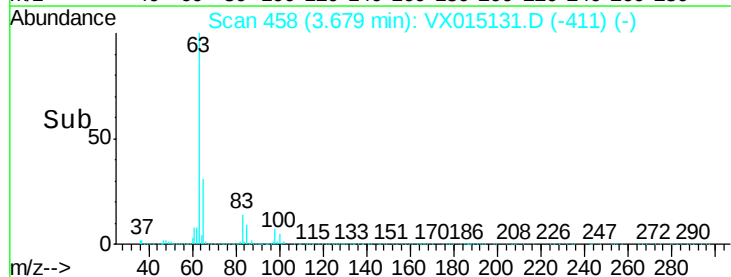
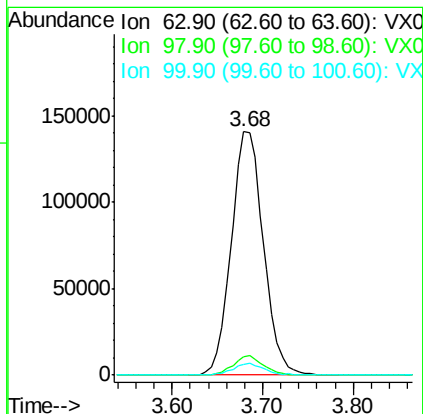
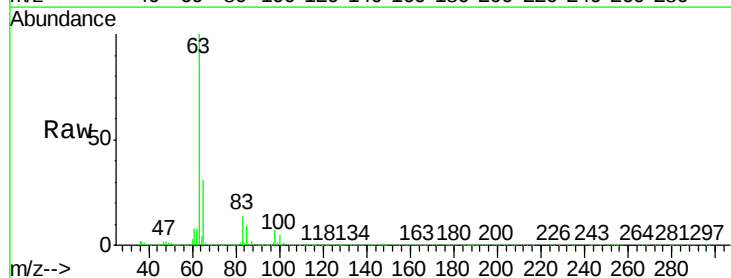
Tgt Ion: 63 Resp: 343534

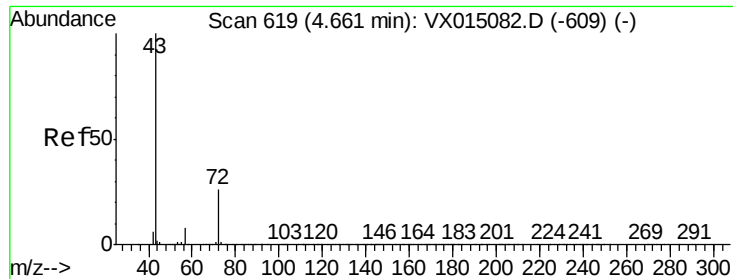
Ion Ratio Lower Upper

63 100

98 7.3 3.7 11.1

100 4.5 2.1 6.5





#25

2-Butanone

Concen: 267.221 ug/l

RT: 4.65 min Scan# 617

Delta R.T. -0.01 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 688716

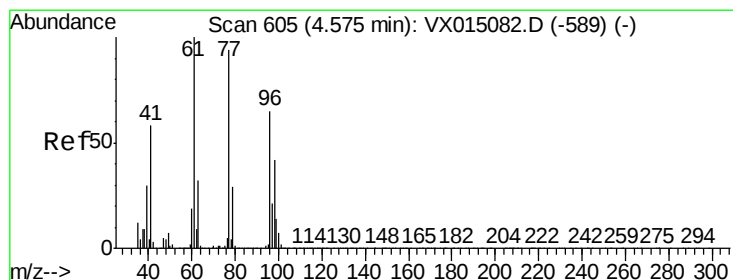
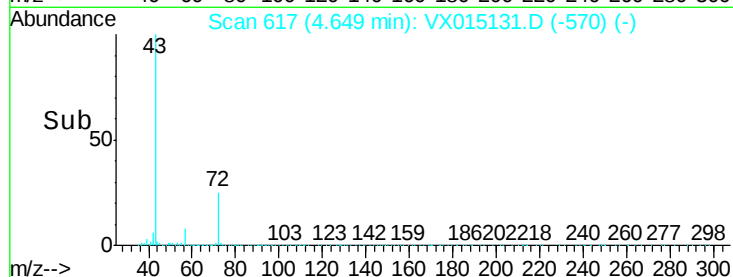
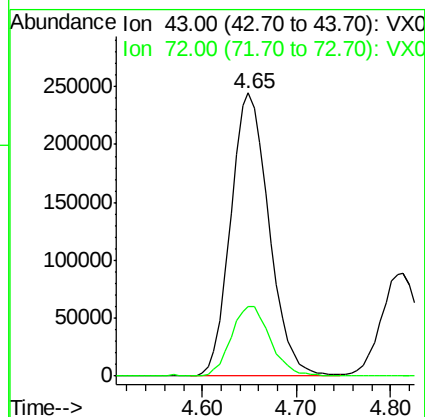
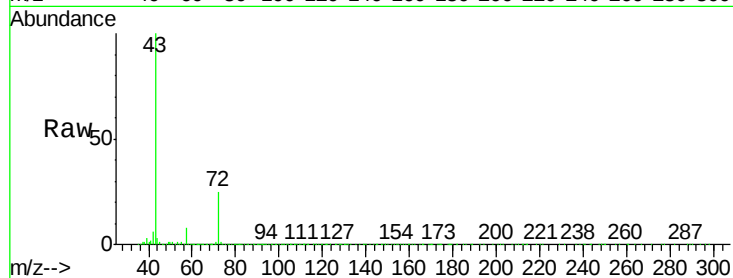
Ion Ratio Lower Upper

43 100

72 24.6 20.6 30.8

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 52.321 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX015131.D

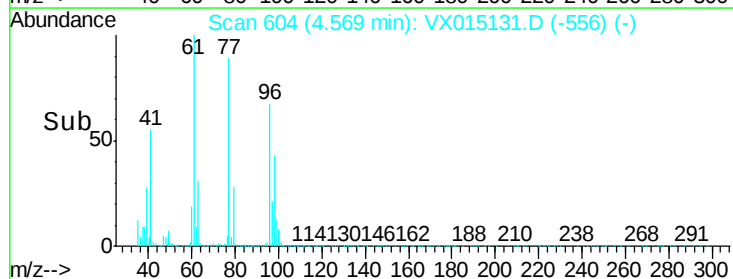
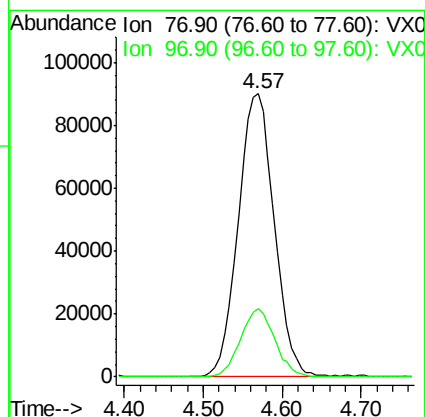
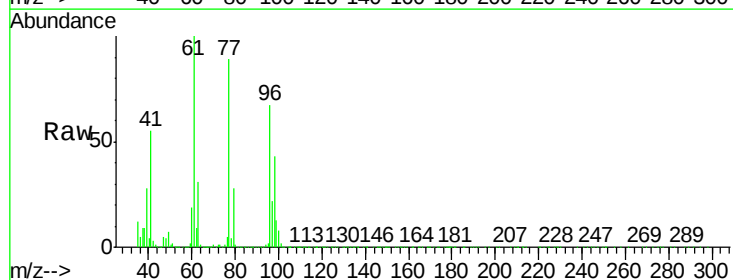
Acq: 09 Mar 2020 10:20

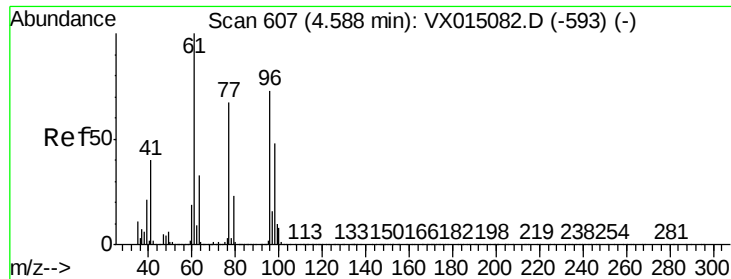
Tgt Ion: 77 Resp: 285152

Ion Ratio Lower Upper

77 100

97 22.8 11.8 35.4





#27

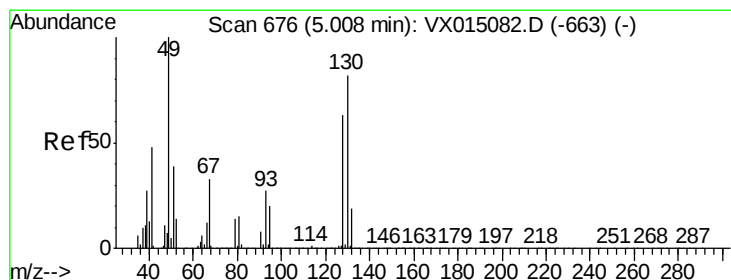
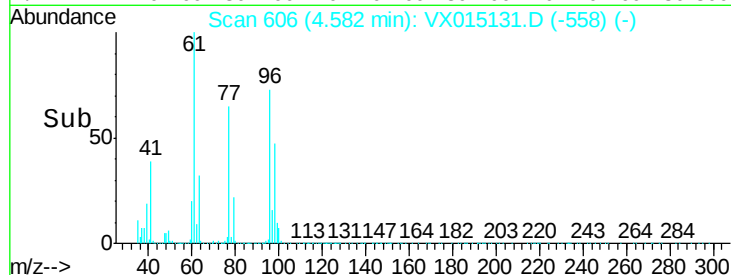
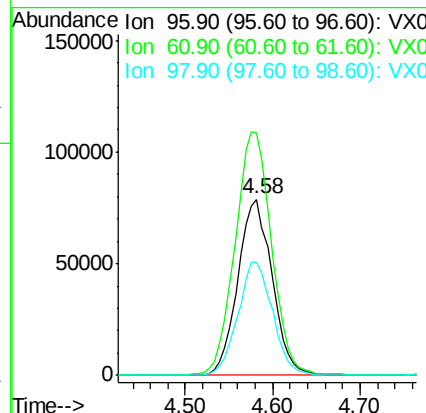
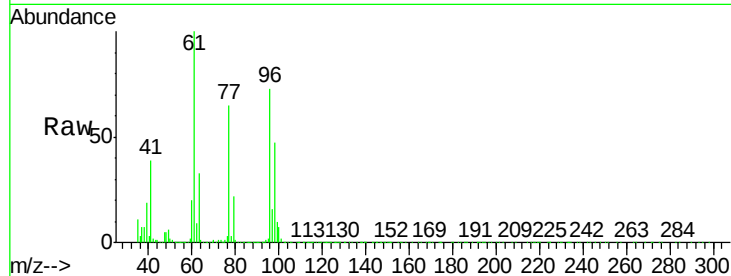
cis-1,2-Dichloroethene
Concen: 50.268 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.6	0.0	286.8
98	65.1	0.0	128.4

Manual Integrations
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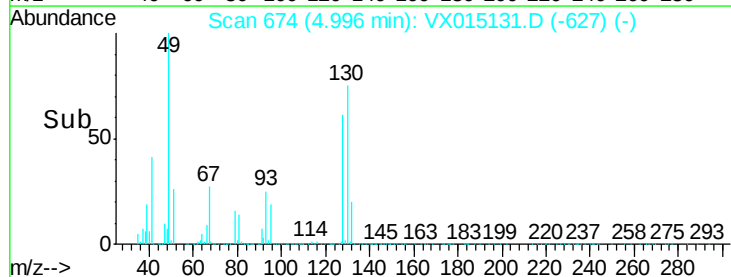
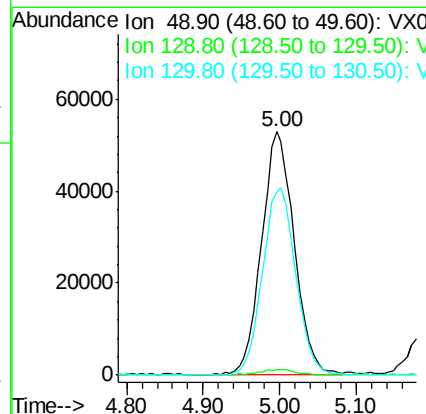
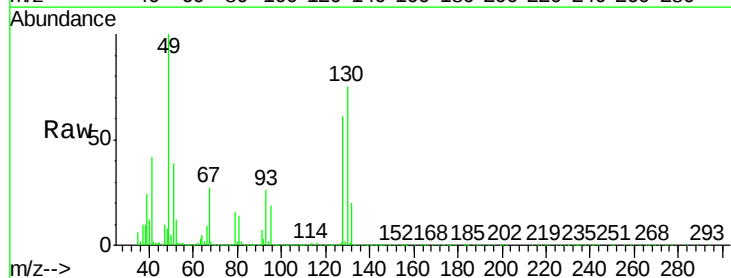
MMDadoda
3/11/2020 4:45:18 PM

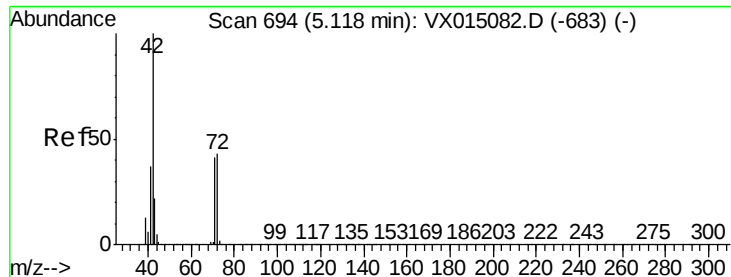


#28

Bromochloromethane
Concen: 50.541 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.4
130	77.8	65.0	97.6





#29

Tetrahydrofuran

Concen: 253.574 ug/l

RT: 5.11 min Scan# 692

Delta R.T. -0.01 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Instrument :

MSVOA_X

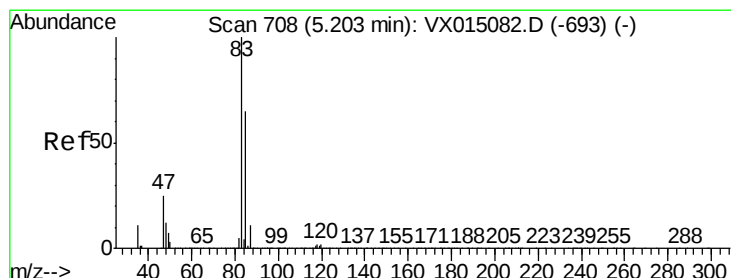
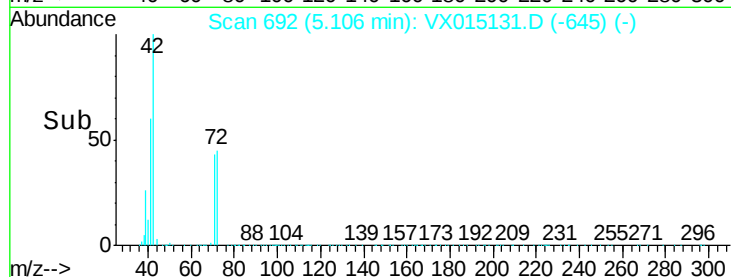
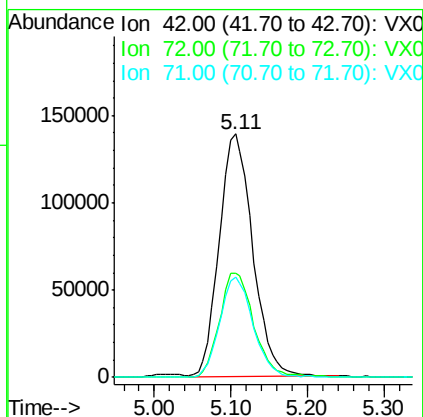
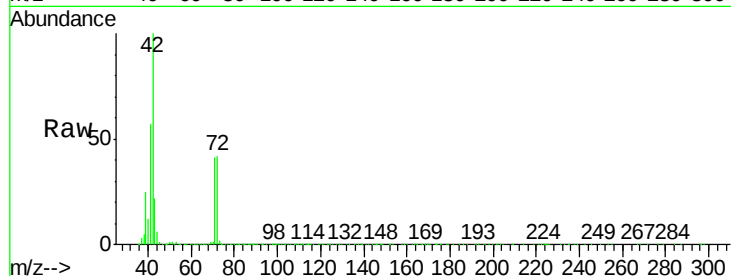
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	421281
Ion Ratio		Lower	Upper
42	100		
72	43.9	36.4	54.6
71	41.3	33.3	49.9

Manual Integrations
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#30

Chloroform

Concen: 50.693 ug/l

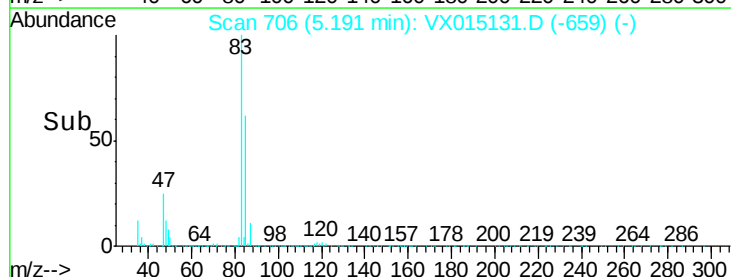
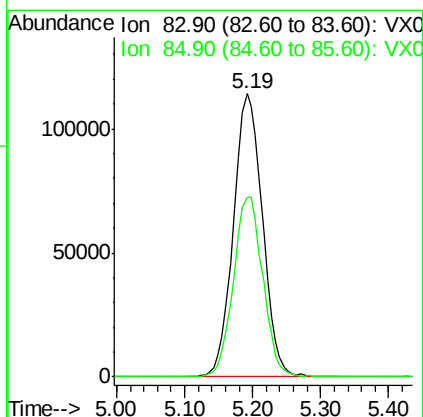
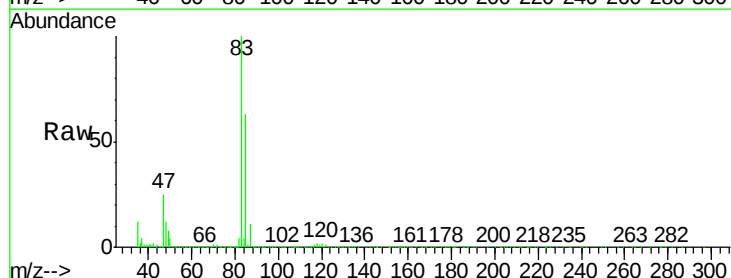
RT: 5.19 min Scan# 706

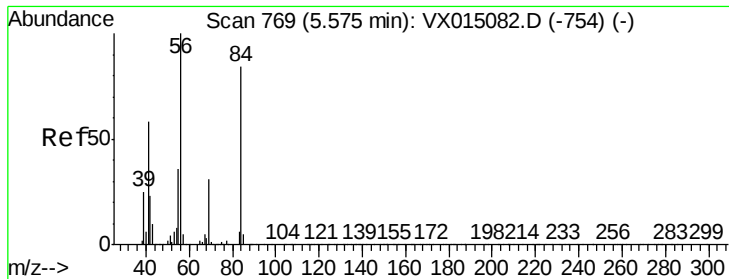
Delta R.T. -0.01 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Tgt Ion:	83	Resp:	339206
Ion Ratio		Lower	Upper
83	100		
85	63.2	52.0	78.0





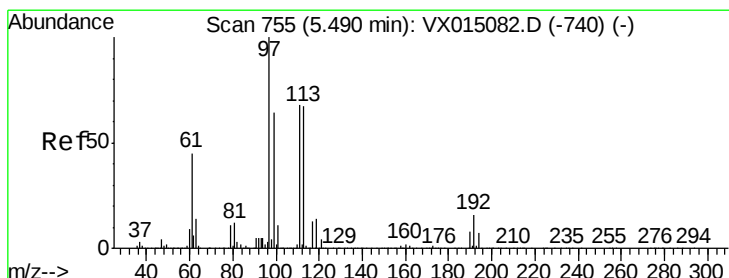
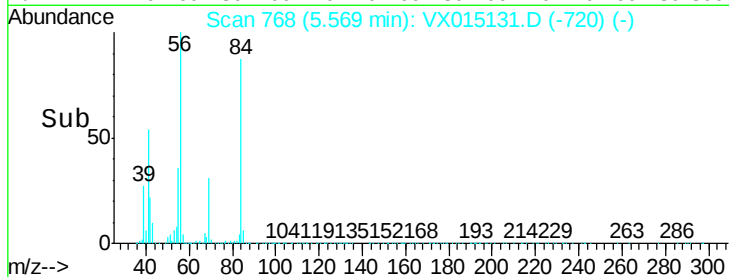
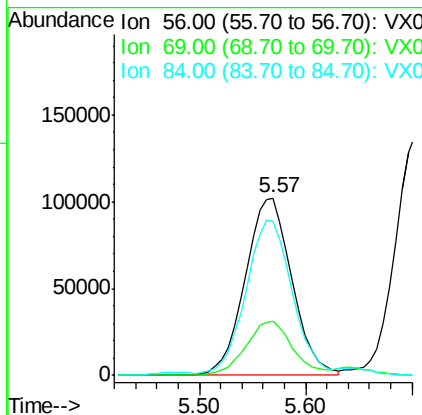
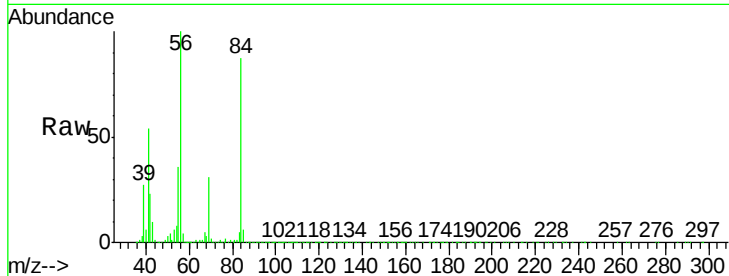
#31
Cyclohexane
Concen: 50.853 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.01 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	25.0	37.6
84	85.1	67.6	101.4

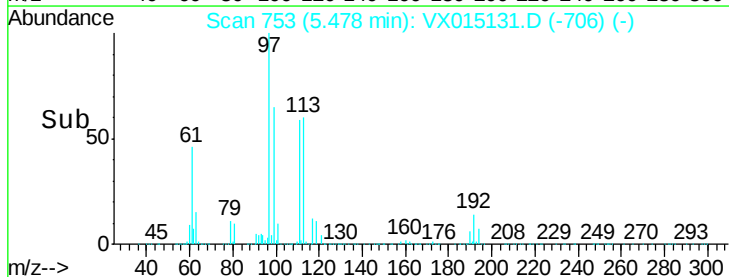
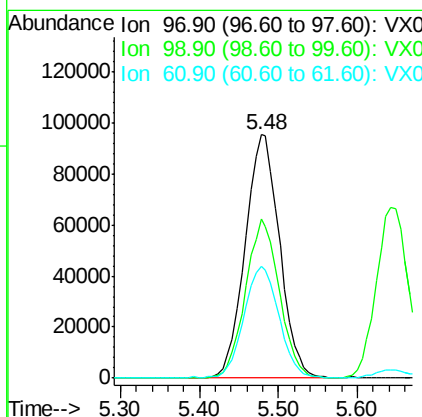
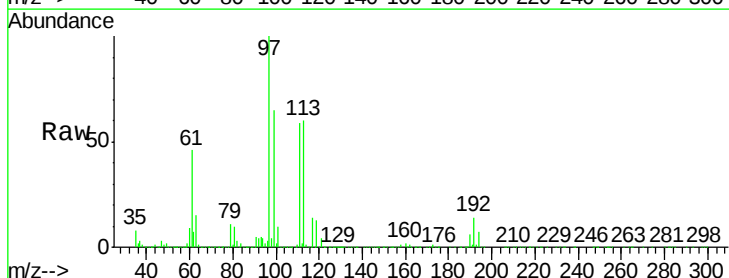
Manual Integrations
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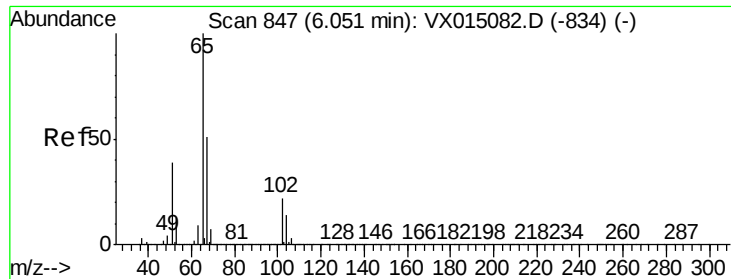
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3/11/2020 4:45:18 PM



#32
1,1,1-Trichloroethane
Concen: 52.017 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.8	79.2
61	46.4	36.6	54.8





#33

1,2-Dichloroethane-d4

Concen: 45.252 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 196713

Ion Ratio Lower Upper

65 100

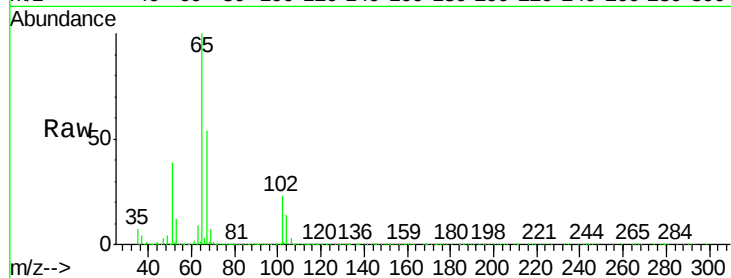
67 52.6 0.0 105.6

Manual Integrations

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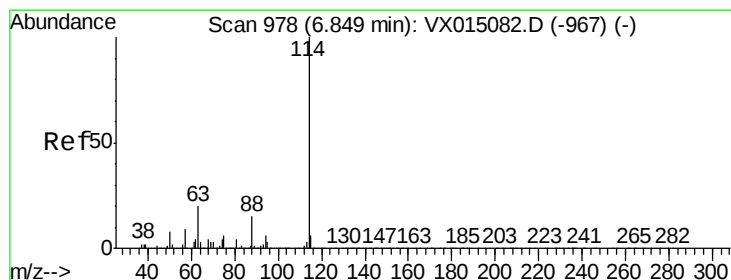
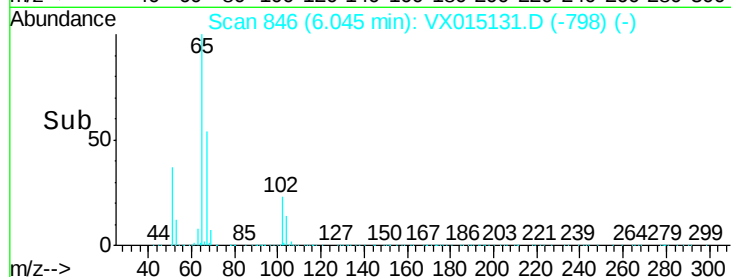
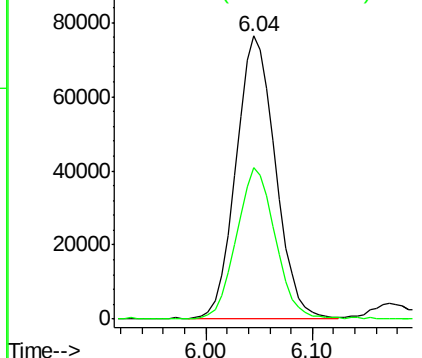
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

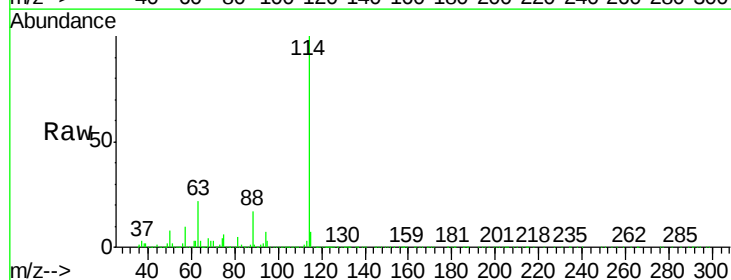
Tgt Ion: 114 Resp: 542714

Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.0

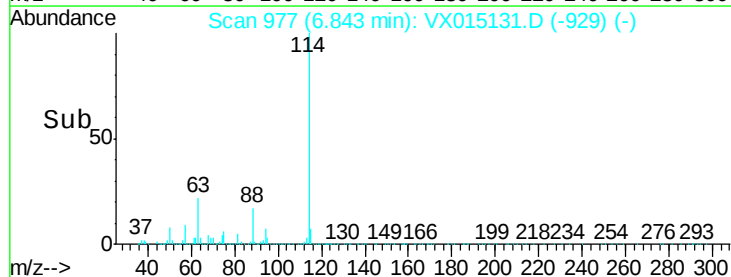
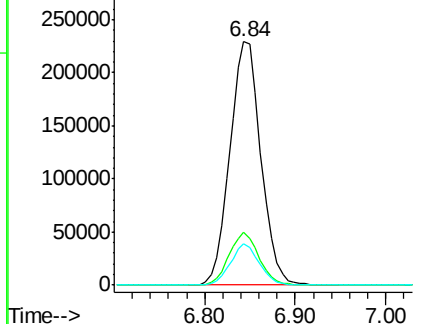
88 16.7 0.0 30.6

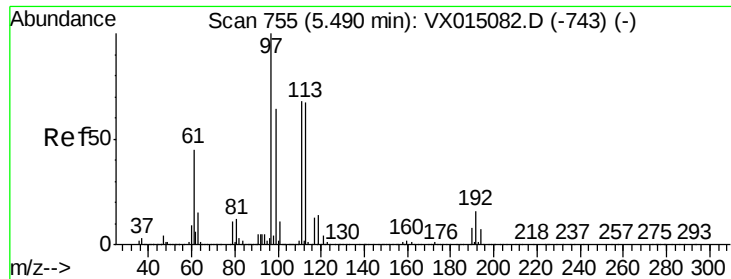


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





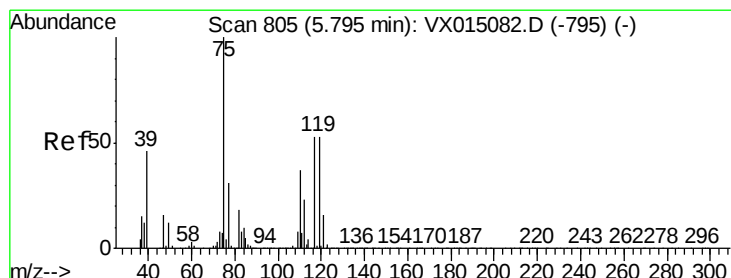
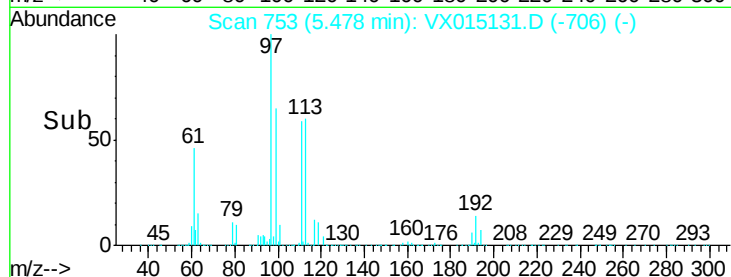
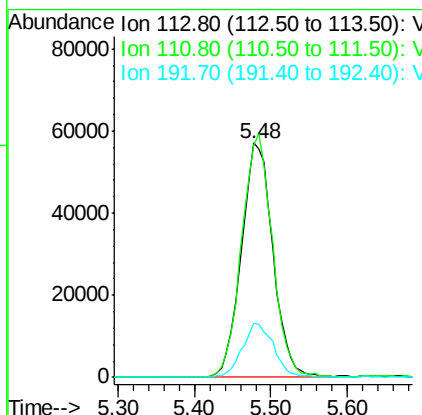
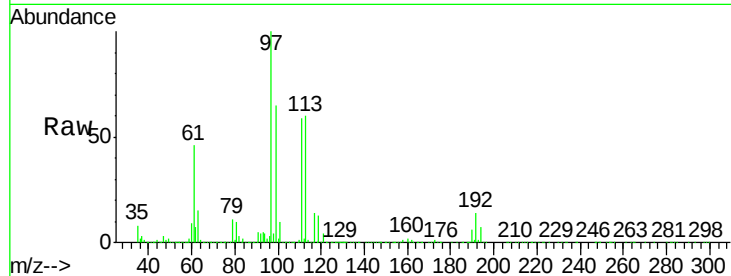
#35
 Dibromofluoromethane
 Concen: 47.687 ug/l
 RT: 5.48 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: VX015131.D
 Acq: 09 Mar 2020 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	163270		
111	101.8	82.6	123.8	
192	23.1	18.6	28.0	

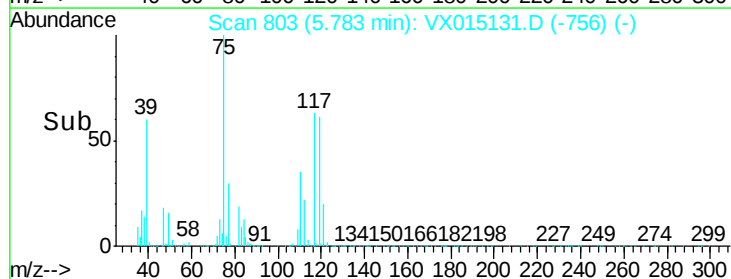
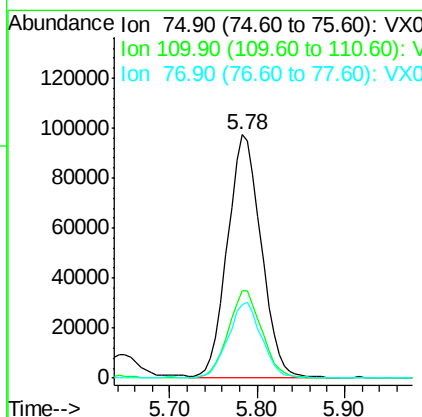
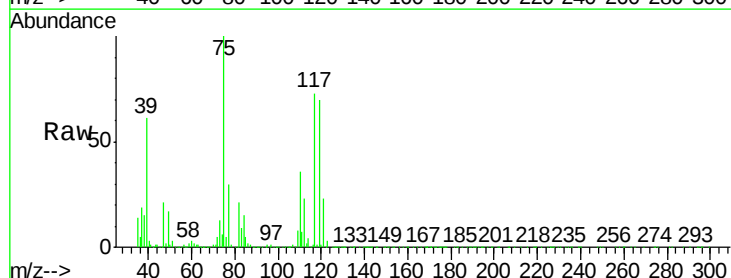
Manual Integrations
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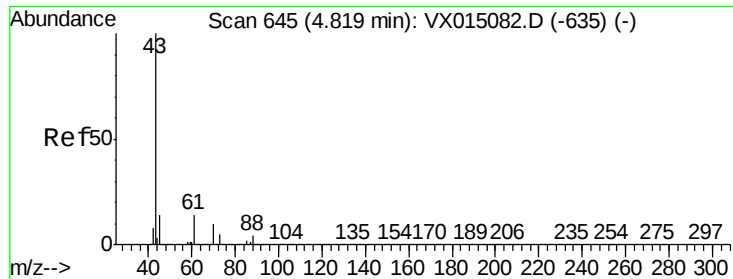
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#36
 1,1-Dichloropropene
 Concen: 51.606 ug/l
 RT: 5.78 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: VX015131.D
 Acq: 09 Mar 2020 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	258915		
110	35.9	17.9	53.8	
77	30.4	24.8	37.2	





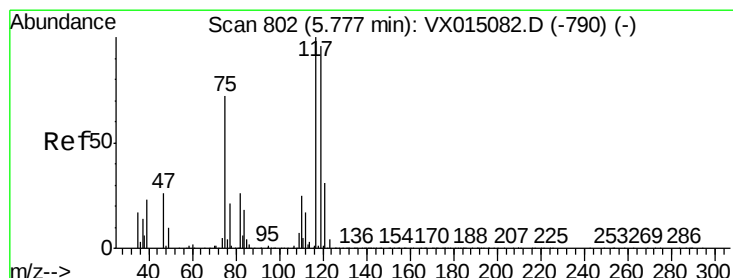
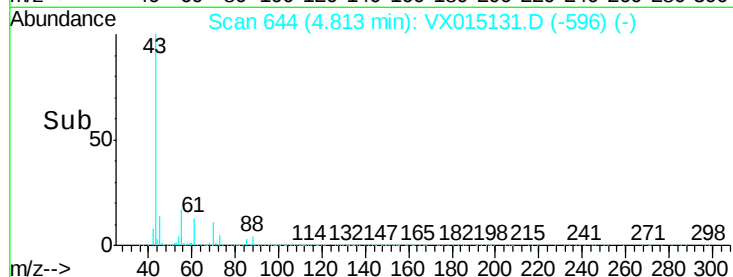
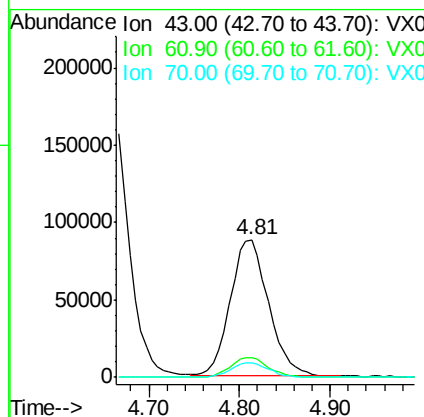
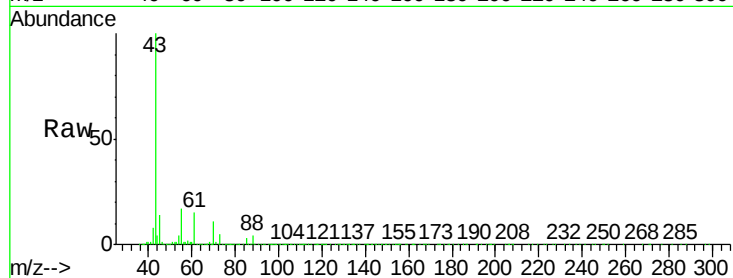
#37
Ethyl Acetate
Concen: 55.374 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	257710
Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.0	16.4
70	10.5	8.1	12.1

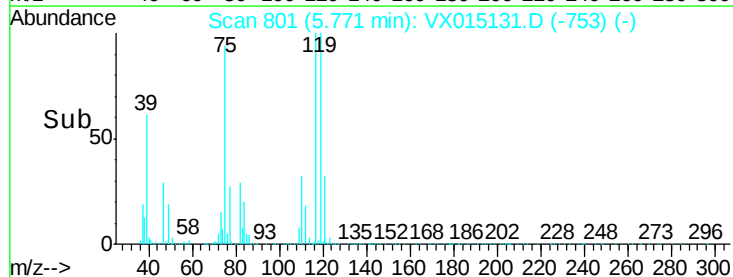
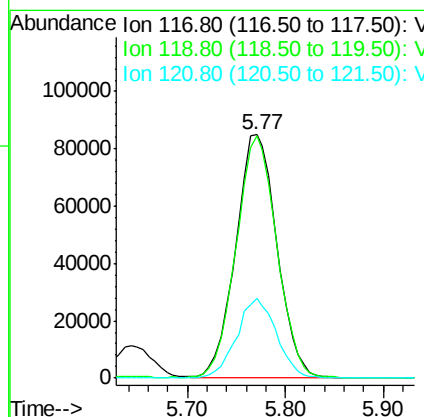
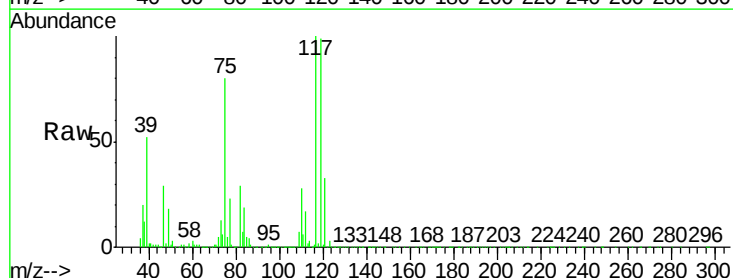
Manual Integrations
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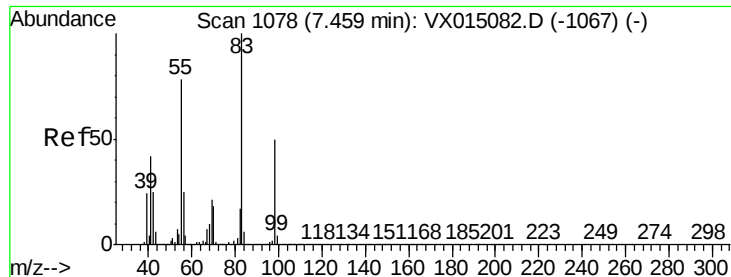
MMDadoda
3/11/2020 4:45:18 PM



#38
Carbon Tetrachloride
Concen: 52.349 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Tgt Ion:	117	Resp:	247916
Ion	Ratio	Lower	Upper
117	100		
119	99.1	76.9	115.3
121	32.5	24.6	37.0





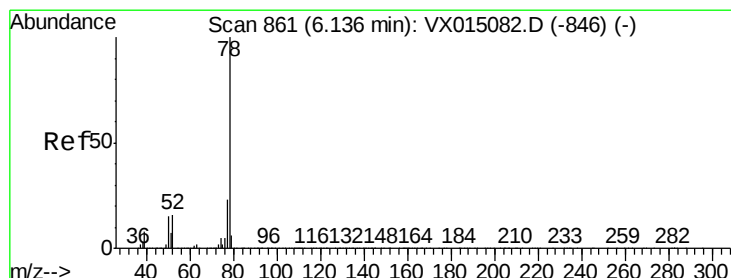
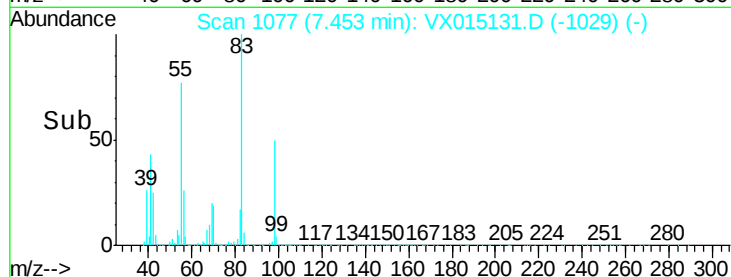
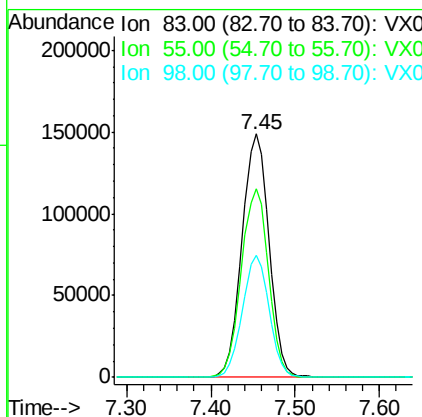
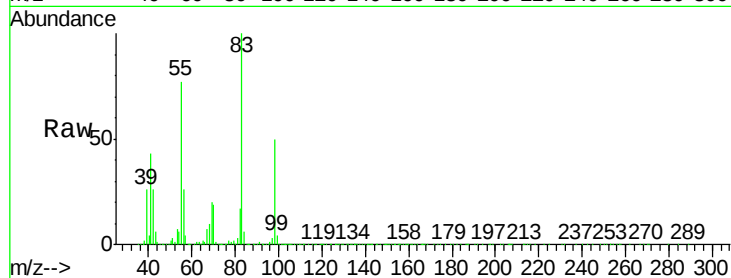
#39
Methvlcvclohexane
Concen: 55.010 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.2	62.4	93.6
98	50.3	39.7	59.5

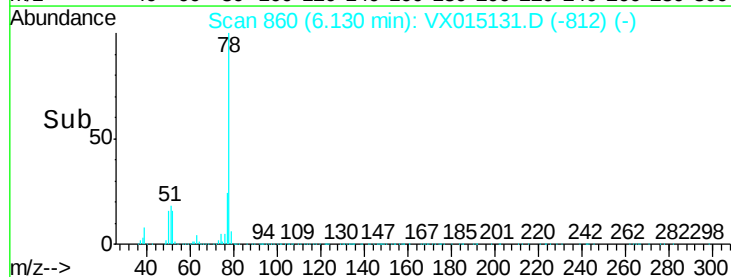
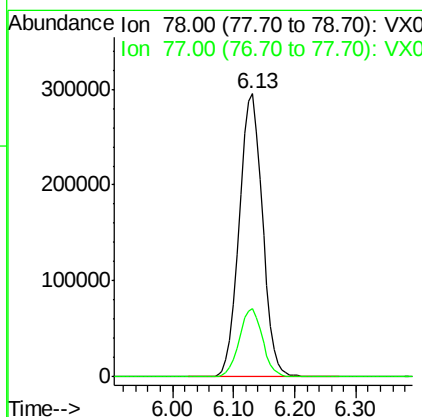
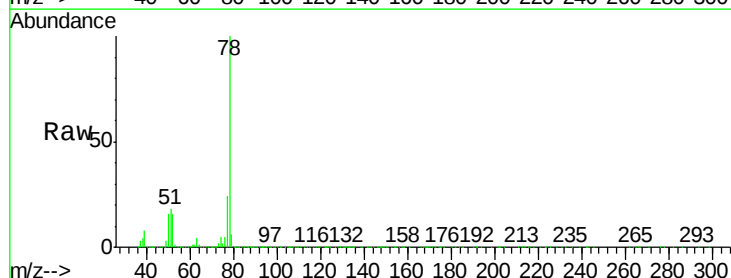
Manual Integrations
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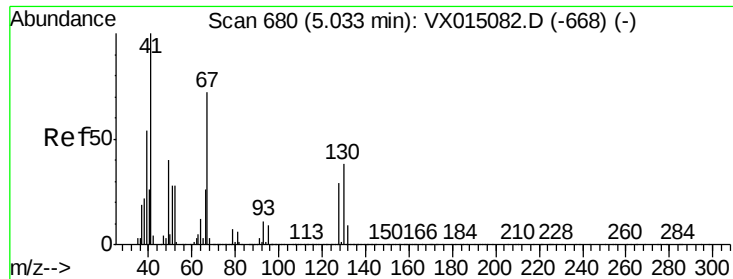
MMDadoda
3/11/2020 4:45:18 PM



#40
Benzene
Concen: 52.052 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.6	28.0





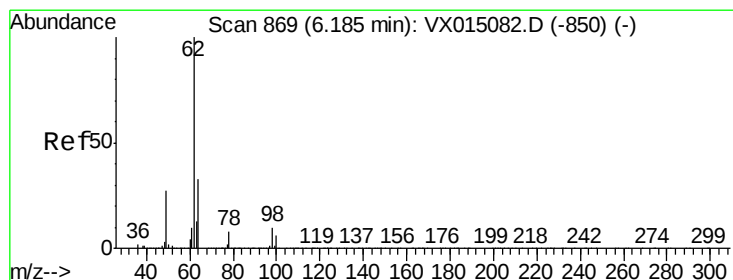
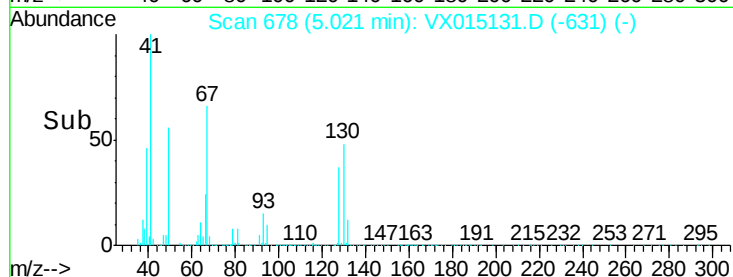
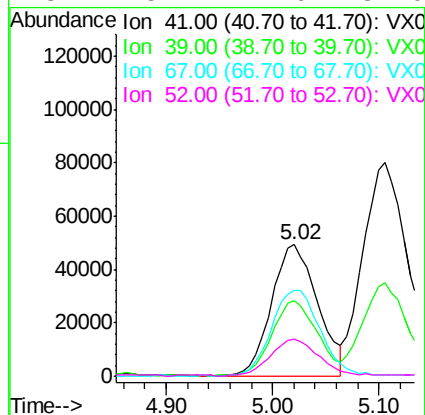
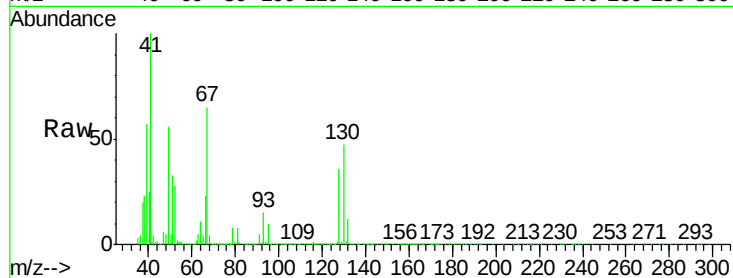
#41
Methacrylonitrile
Concen: 53.398 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.9	43.9	65.9	
67	68.1	57.8	86.8	
52	28.7	22.6	34.0	

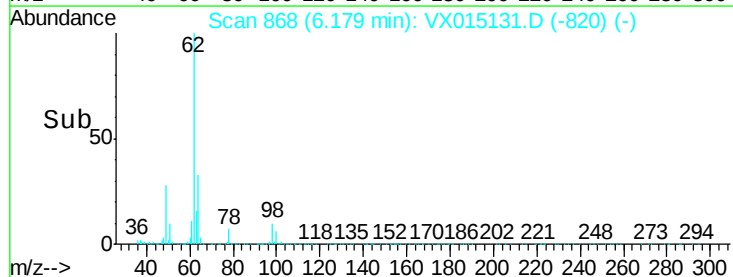
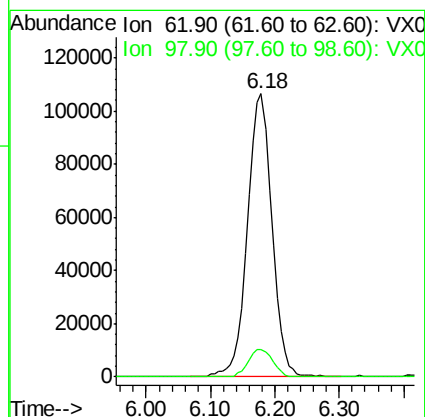
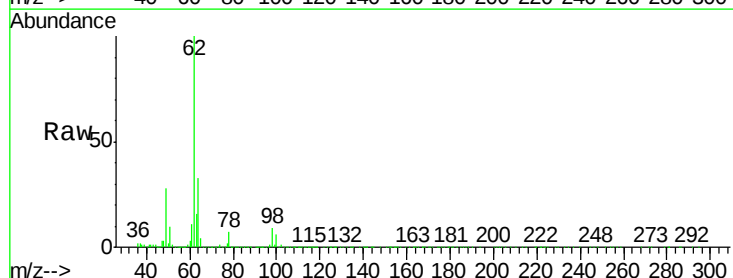
Manual Integrations
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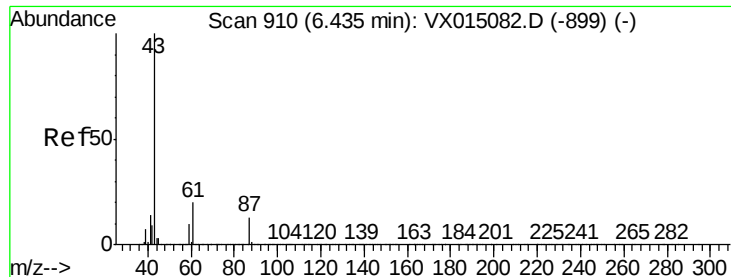
MMDadoda
3/11/2020 4:45:18 PM



#42
1,2-Dichloroethane
Concen: 54.326 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	20.6	





#43

Isopropyl Acetate

Concen: 53.486 ug/l

RT: 6.42 min Scan# 908

Delta R.T. -0.01 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Instrument :

MSVOA_X

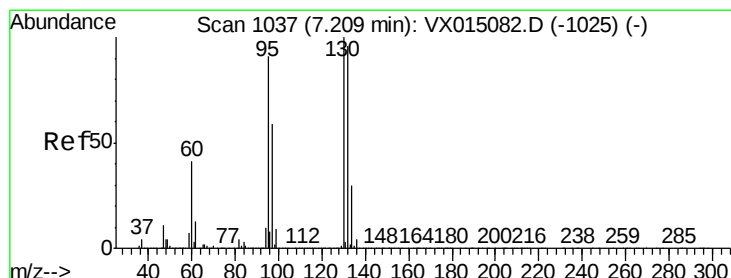
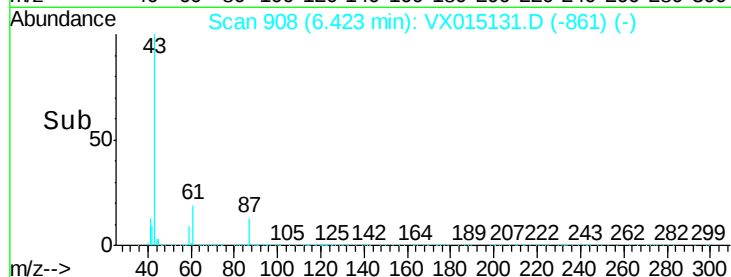
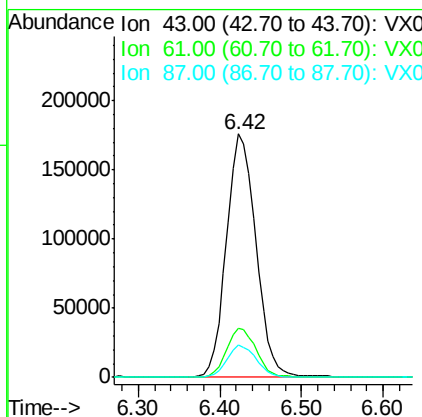
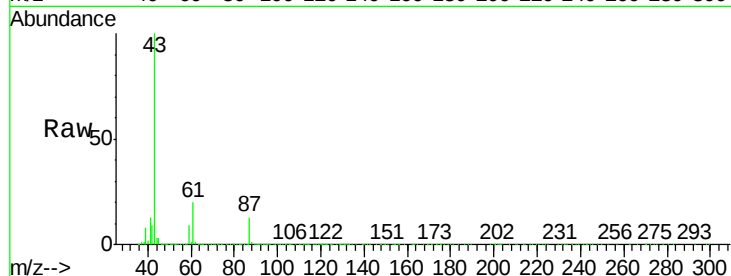
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	437901
Ion	Ratio	Lower	Upper
43	100		
61	20.0	16.1	24.1
87	13.0	10.6	16.0

Manual Integrations
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3/11/2020 4:45:18 PM



#44

Trichloroethene

Concen: 50.387 ug/l

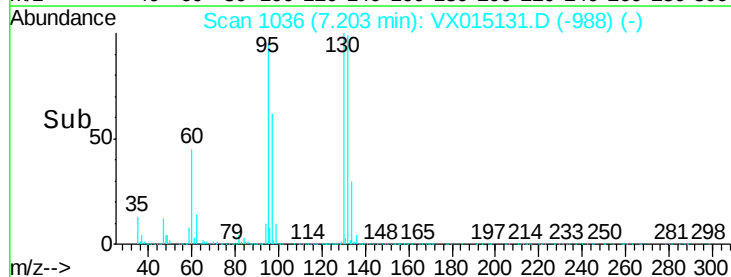
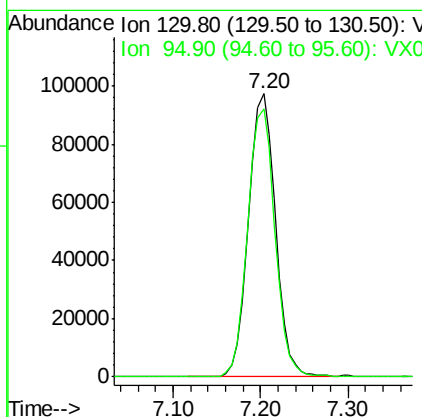
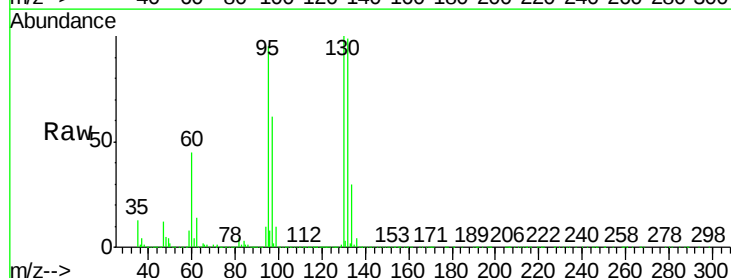
RT: 7.20 min Scan# 1036

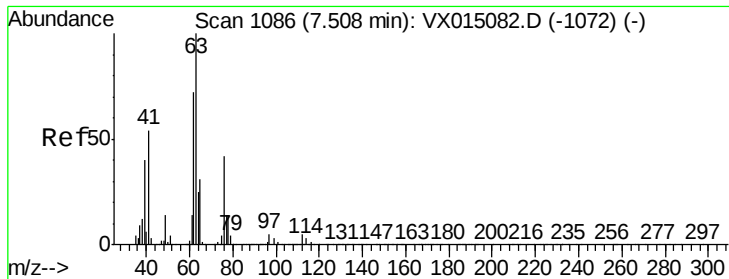
Delta R.T. -0.01 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Tgt Ion:	130	Resp:	208876
Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	181.2





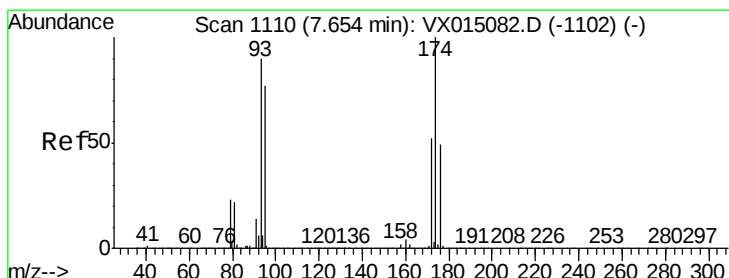
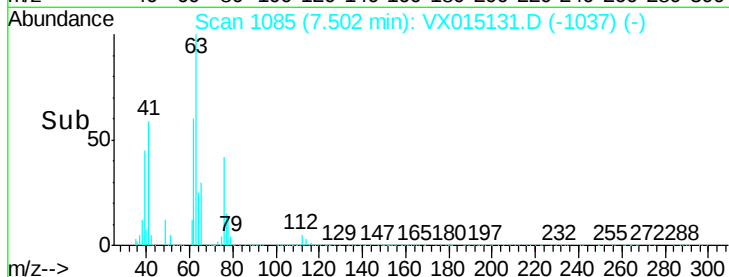
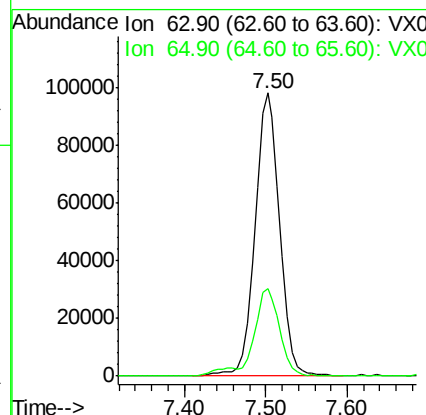
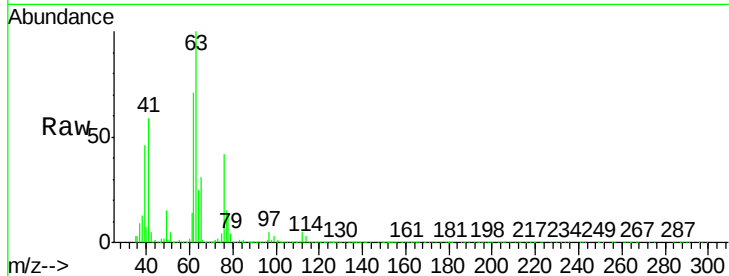
#45
 1,2-Dichloropropane
 Concen: 53.388 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX015131.D
 Acq: 09 Mar 2020 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.6	36.8

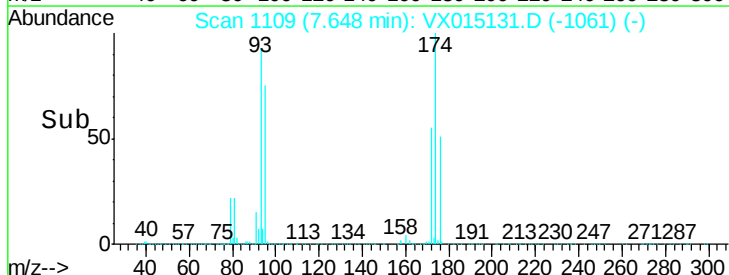
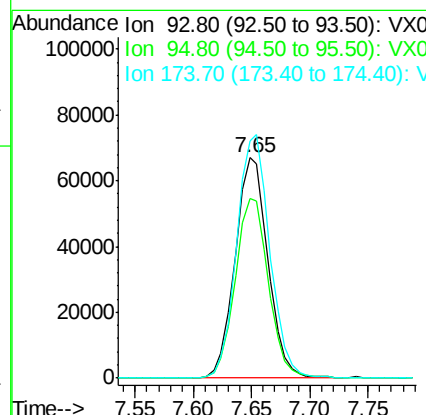
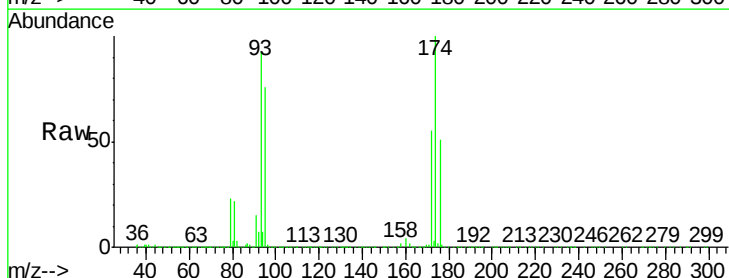
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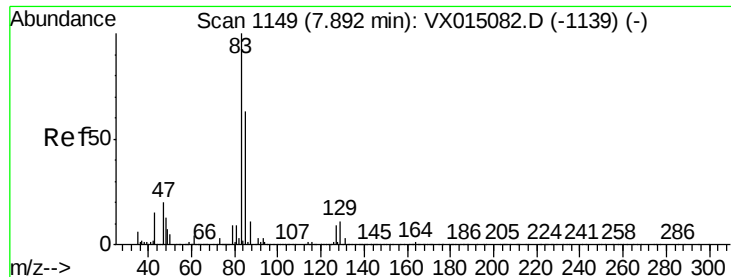
MMDadoda
 3/11/2020 4:45:18 PM



#46
 Dibromomethane
 Concen: 52.228 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VX015131.D
 Acq: 09 Mar 2020 10:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	67.8	101.8
174	112.2	91.0	136.4





#47

Bromodichloromethane

Concen: 54.670 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Instrument :

MSVOA_X

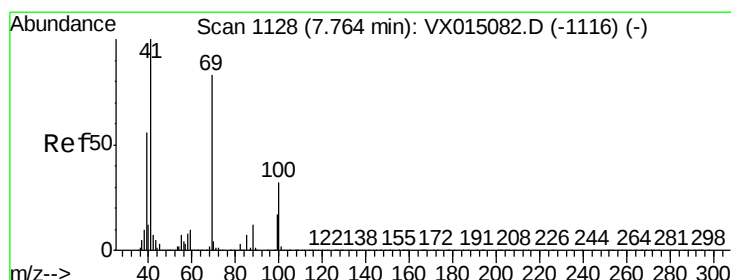
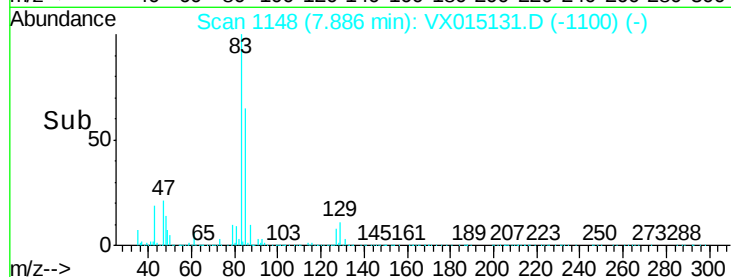
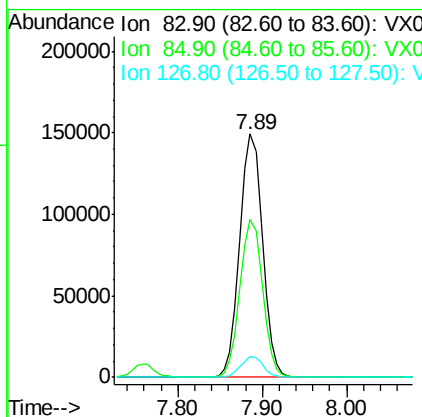
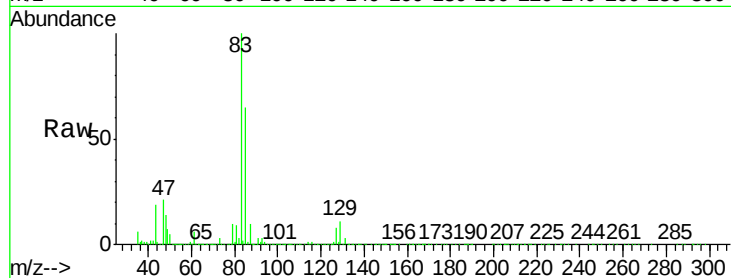
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	271411
Ion Ratio	Lower	Upper	
83	100		
85	65.0	50.6	75.8
127	8.4	7.1	10.7

Manual Integrations
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MMDadoda
3/11/2020 4:45:18 PM



#48

Methyl methacrylate

Concen: 52.798 ug/l

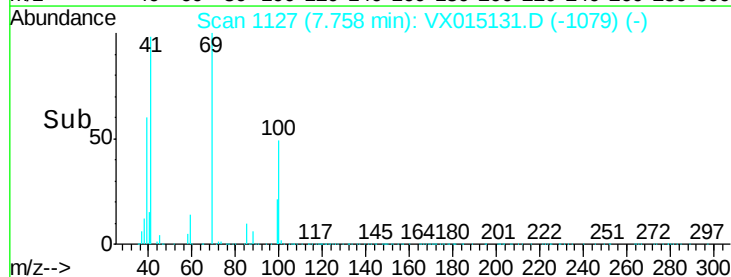
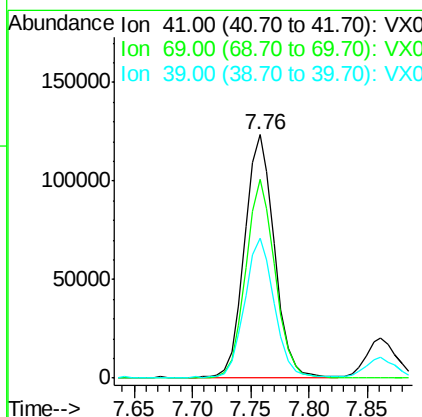
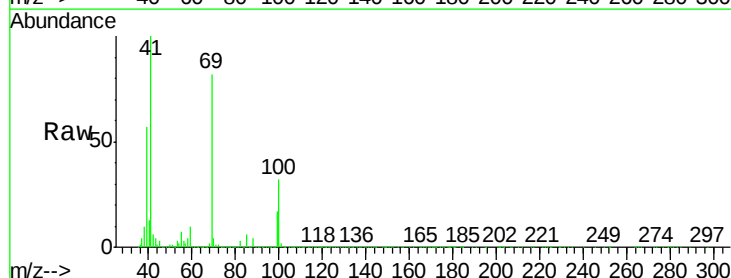
RT: 7.76 min Scan# 1127

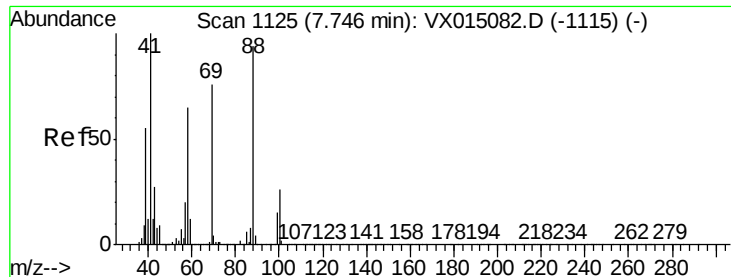
Delta R.T. -0.01 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Tgt Ion:	41	Resp:	220009
Ion Ratio	Lower	Upper	
41	100		
69	80.3	65.4	98.2
39	56.9	44.6	67.0





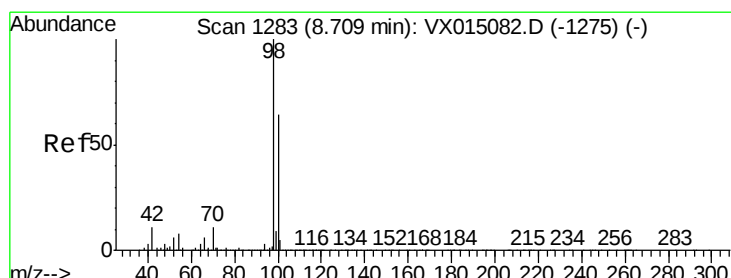
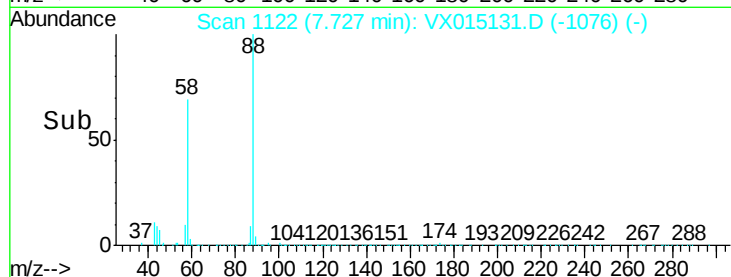
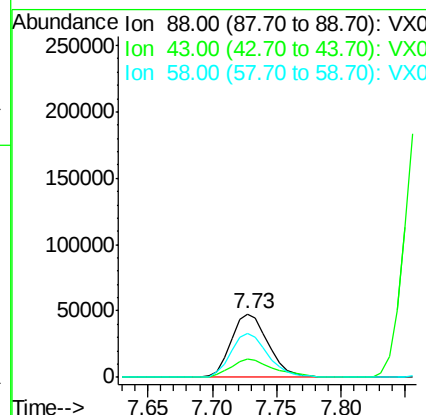
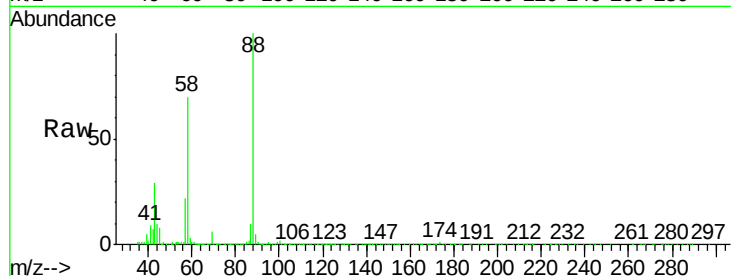
#49
1,4-Dioxane
Concen: 1044.953 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.02 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	27.0	40.4
58	72.3	55.6	83.4

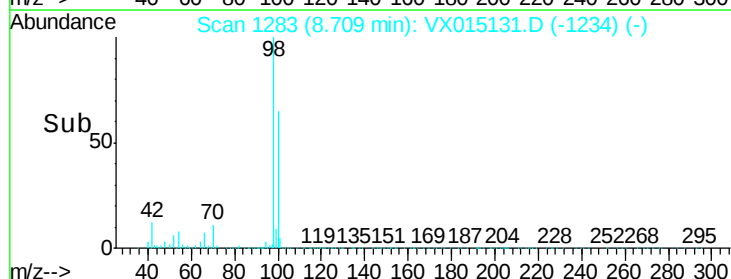
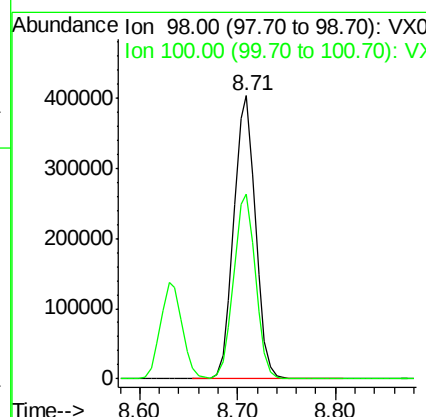
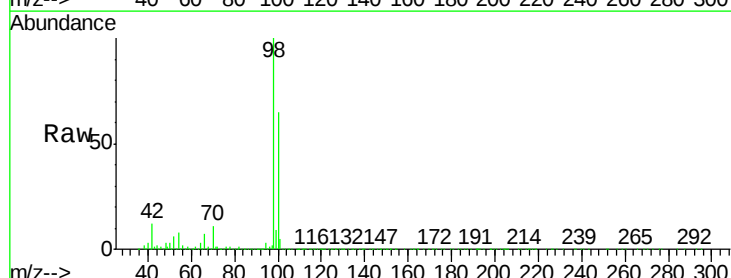
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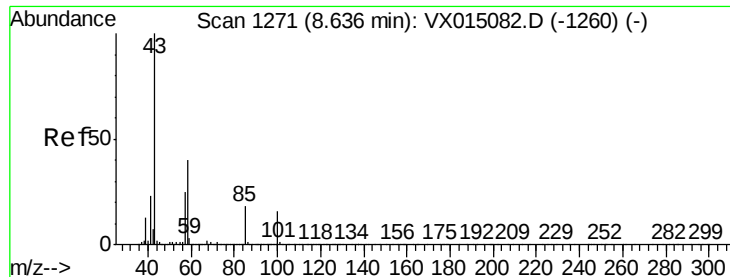
MMDadoda
3/11/2020 4:45:18 PM



#50
Toluene-d8
Concen: 47.500 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.4	78.6





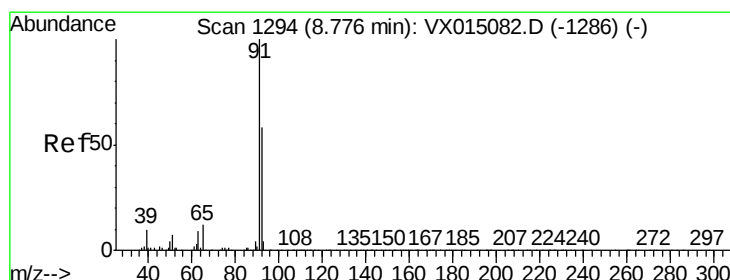
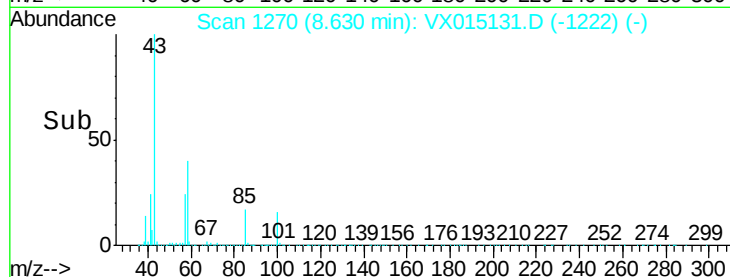
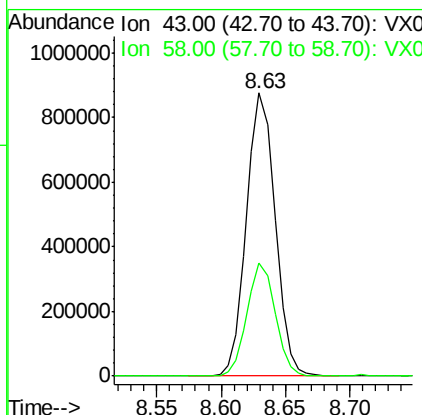
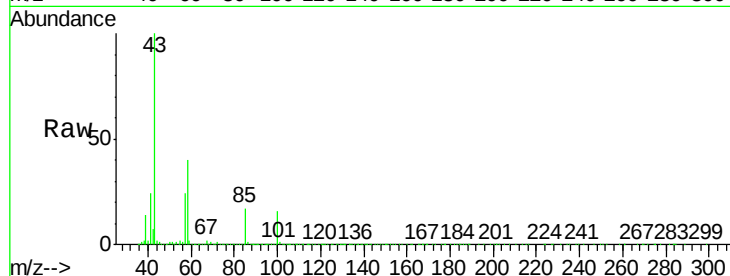
#51
4-Methyl-2-Pentanone
Concen: 278.340 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.6	47.4

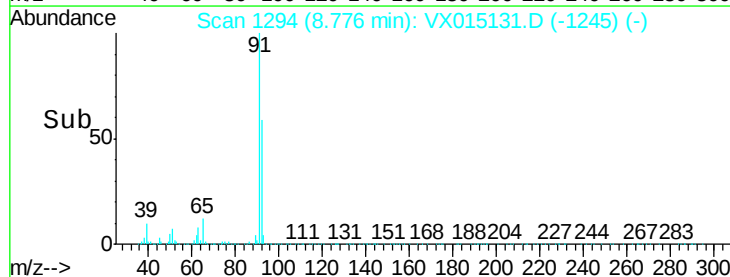
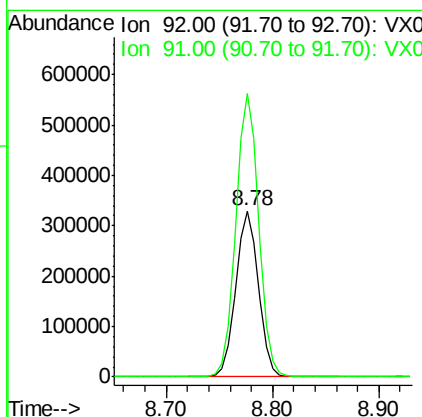
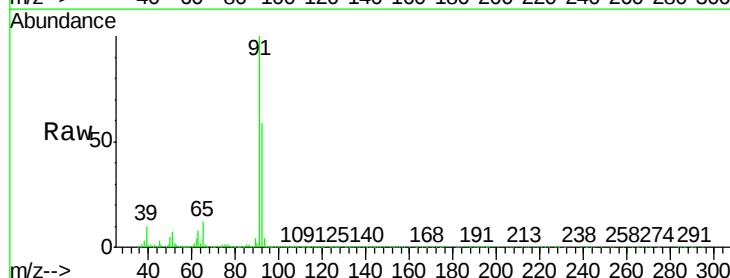
Manual Integrations
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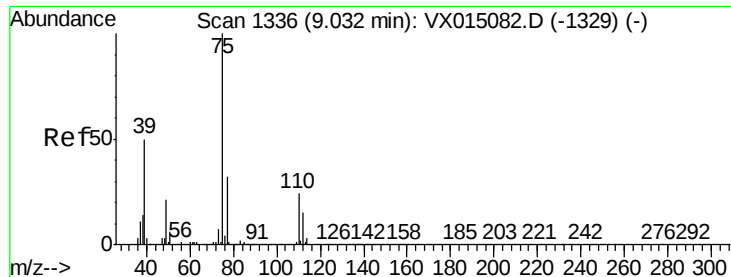
MMDadoda
3/11/2020 4:45:18 PM



#52
Toluene
Concen: 53.957 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.3	136.9	205.3





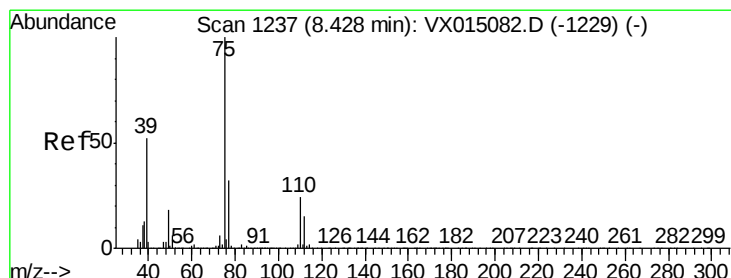
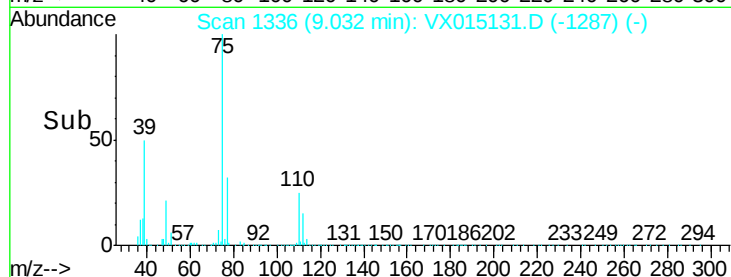
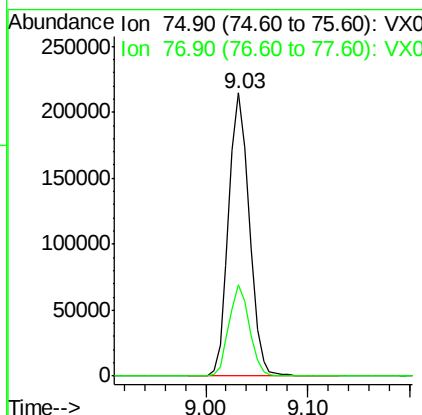
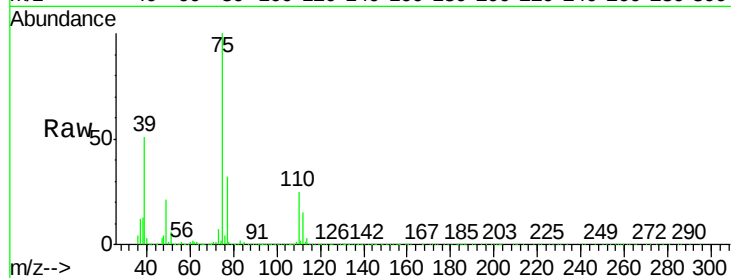
#53
t-1,3-Dichloropropene
Concen: 57.011 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.0

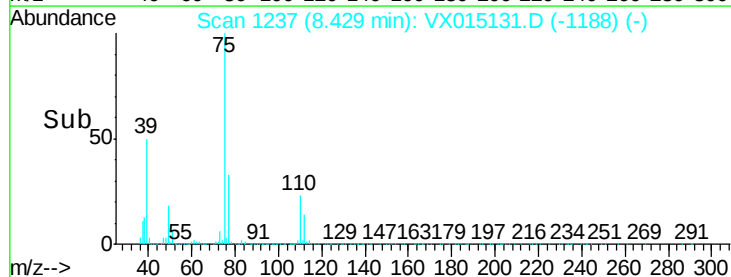
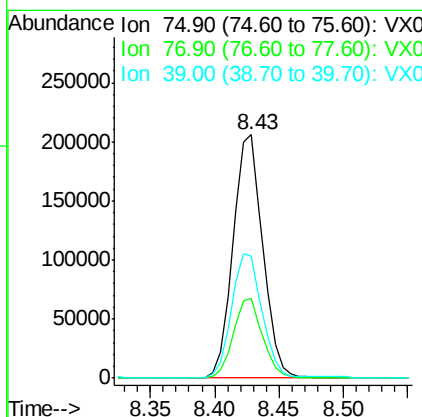
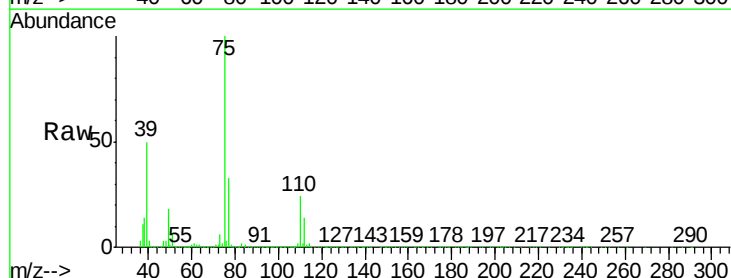
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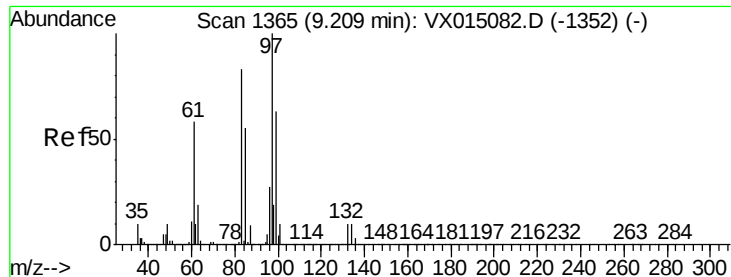
MMDadoda
3/11/2020 4:45:18 PM



#54
cis-1,3-Dichloropropene
Concen: 55.456 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.8	38.6
39	49.9	41.3	61.9





#55

1,1,2-Trichloroethane

Concen: 52.126 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Instrument :

MSVOA_X

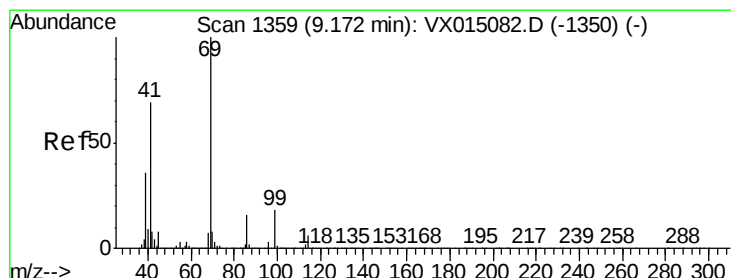
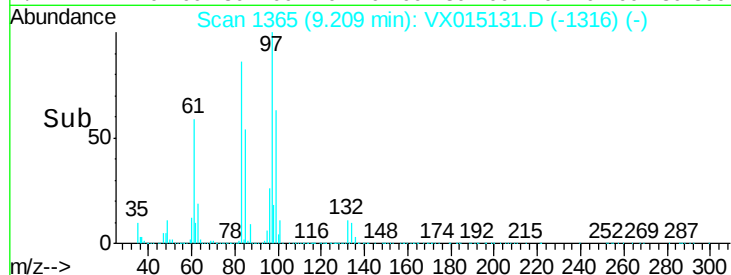
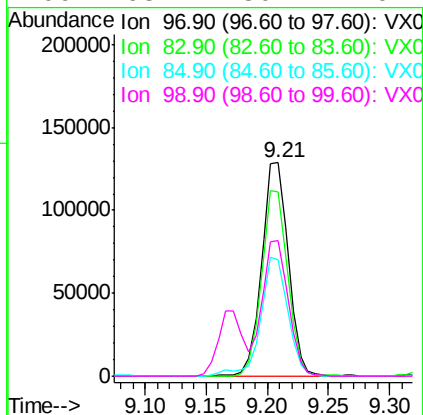
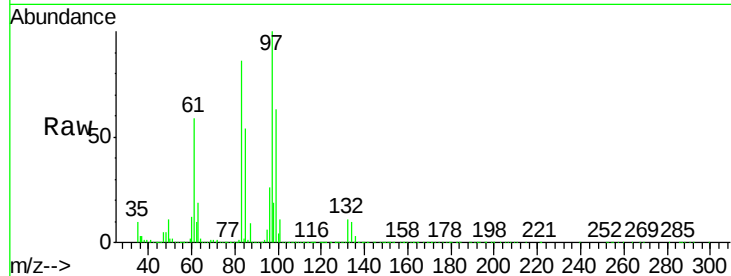
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.4	66.4	99.6
85	54.4	43.5	65.3
99	63.2	50.7	76.1

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#56

Ethyl methacrylate

Concen: 57.479 ug/l

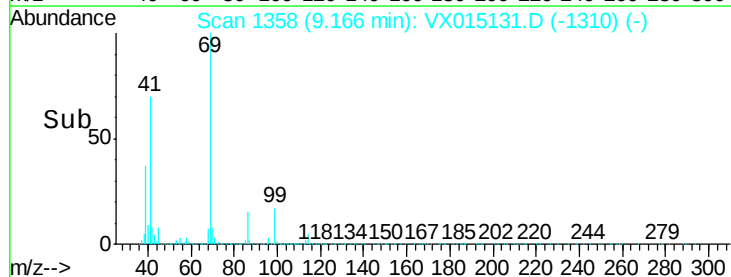
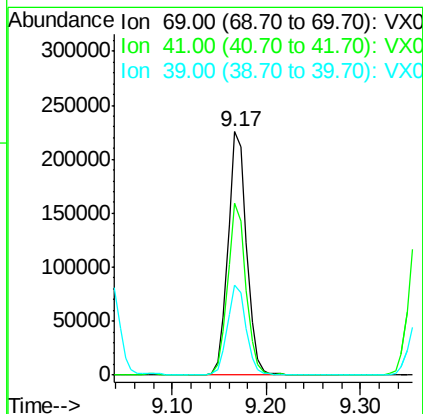
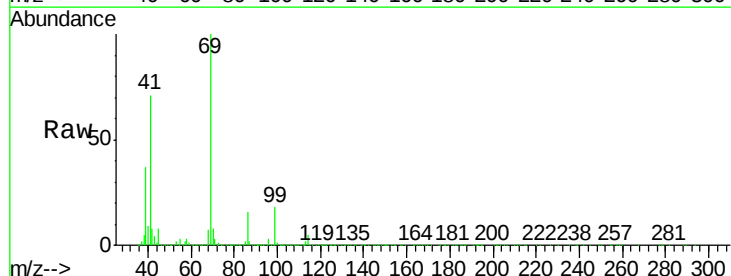
RT: 9.17 min Scan# 1358

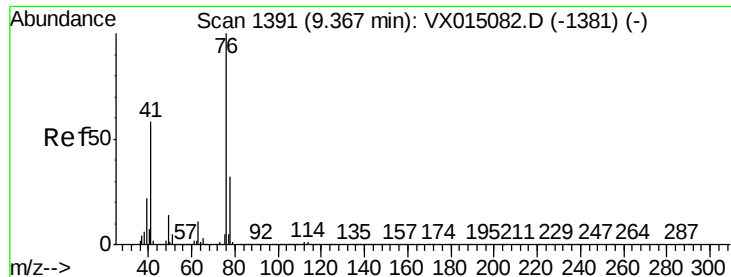
Delta R.T. -0.01 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.2	55.8	83.8
39	37.5	29.4	44.2





#57

1,3-Dichloropropane

Concen: 53.301 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 335922

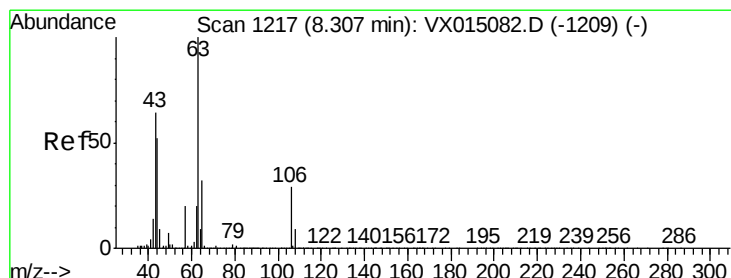
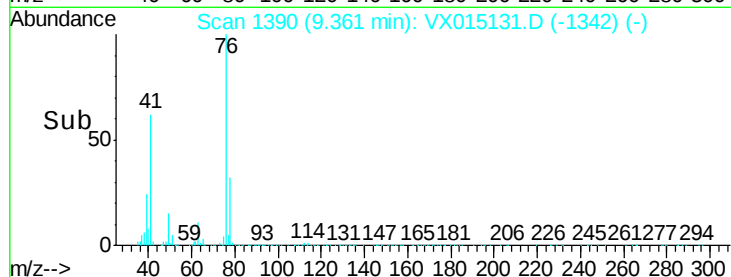
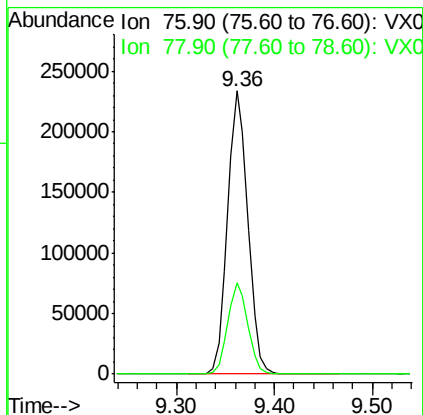
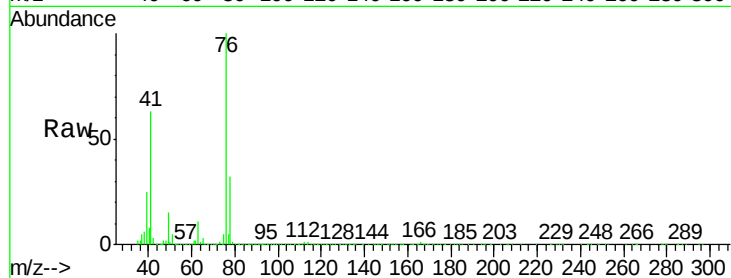
Ion Ratio Lower Upper

76 100

78 32.0 25.6 38.4

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3/11/2020 4:45:18 PM



#58

2-Chloroethyl Vinyl ether

Concen: 294.841 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX015131.D

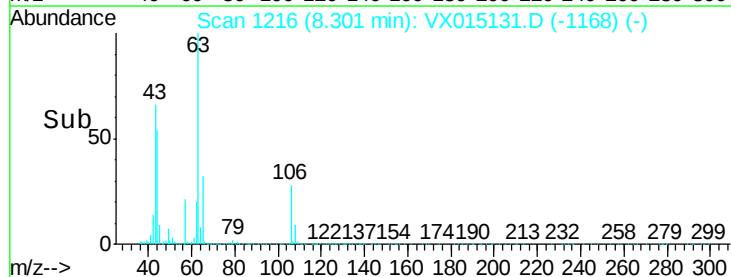
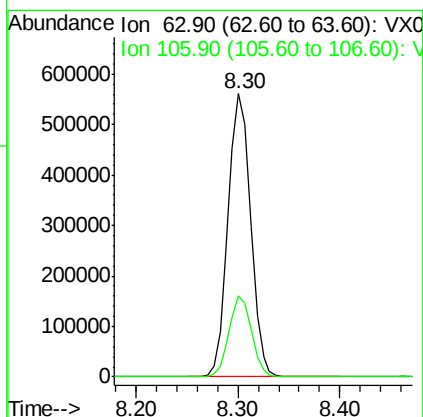
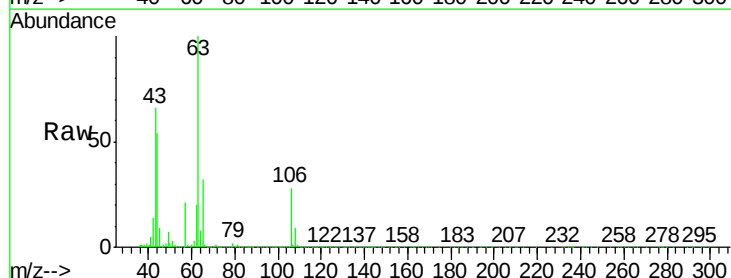
Acq: 09 Mar 2020 10:20

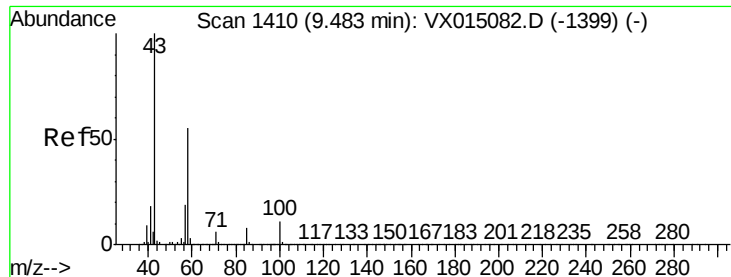
Tgt Ion: 63 Resp: 858255

Ion Ratio Lower Upper

63 100

106 28.4 22.8 34.2





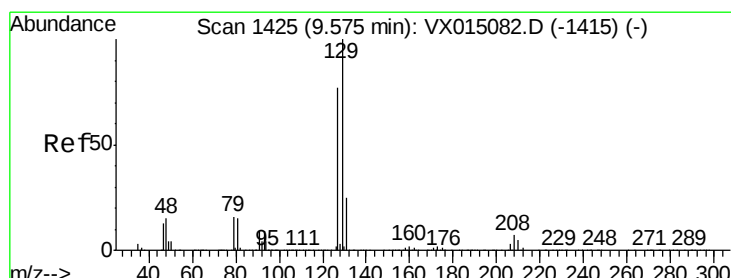
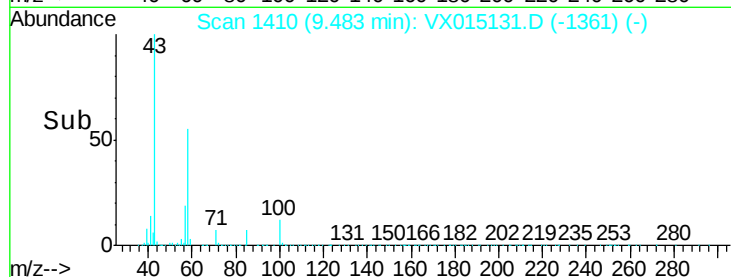
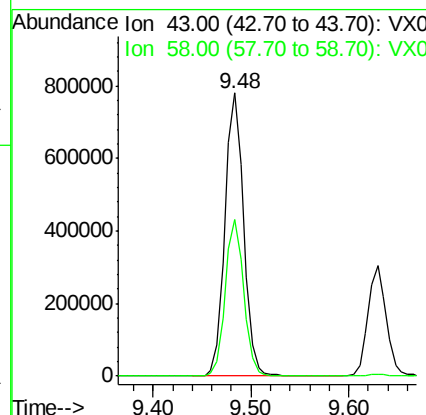
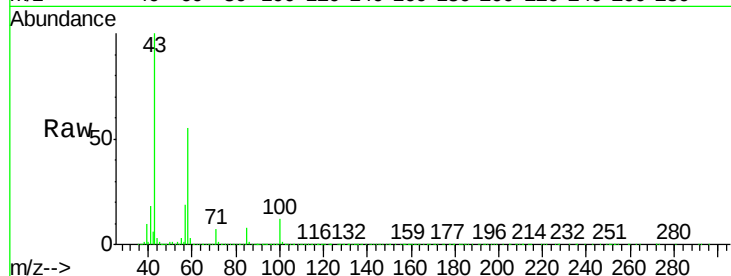
#59
2-Hexanone
Concen: 289.366 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1038214
Ion Ratio Lower Upper
43 100
58 54.7 27.3 81.8

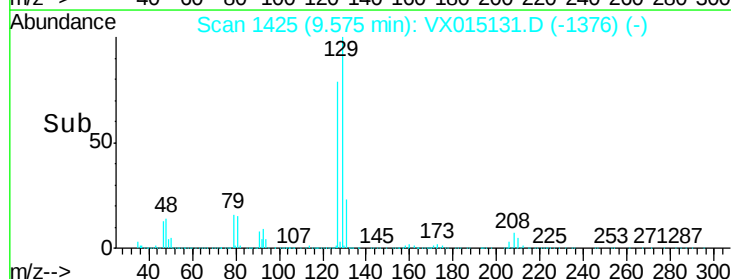
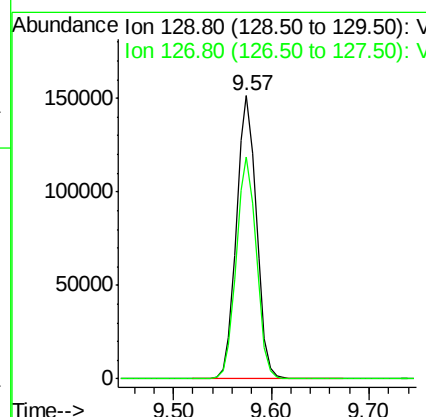
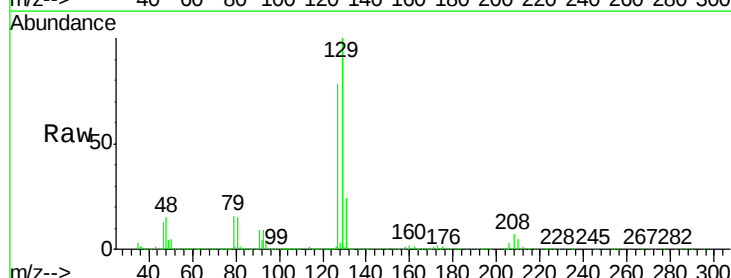
Manual Integrations
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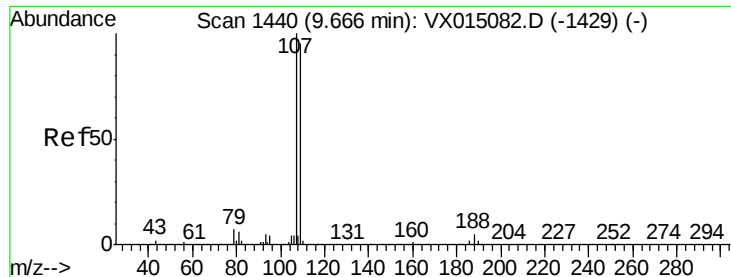
MMDadoda
3/11/2020 4:45:18 PM



#60
Dibromochloromethane
Concen: 54.817 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Tgt Ion: 129 Resp: 215709
Ion Ratio Lower Upper
129 100
127 78.7 38.8 116.3





#61

1,2-Dibromoethane

Concen: 51.858 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 204045

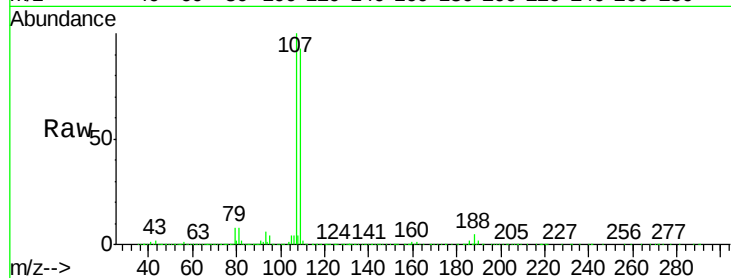
Ion Ratio Lower Upper

107 100

109 94.6 75.6 113.4

Manual Integrations
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3/11/2020 4:45:18 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

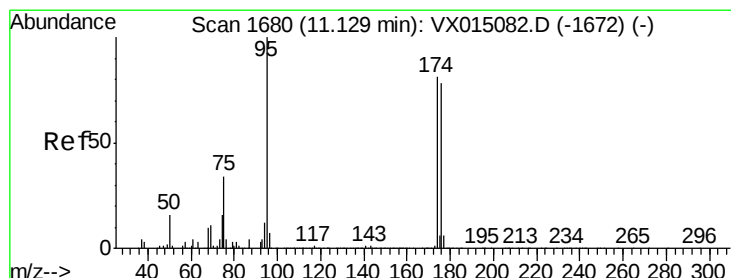
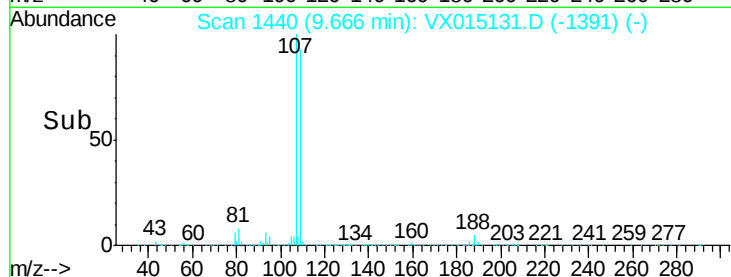
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.133 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

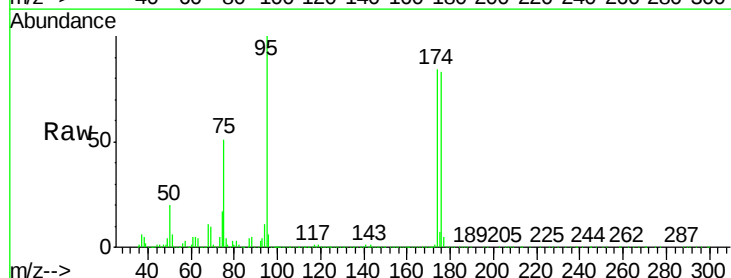
Tgt Ion: 95 Resp: 223597

Ion Ratio Lower Upper

95 100

174 88.3 0.0 177.6

176 85.9 0.0 170.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

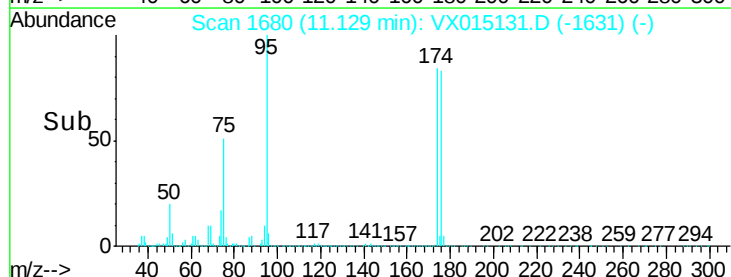
150000

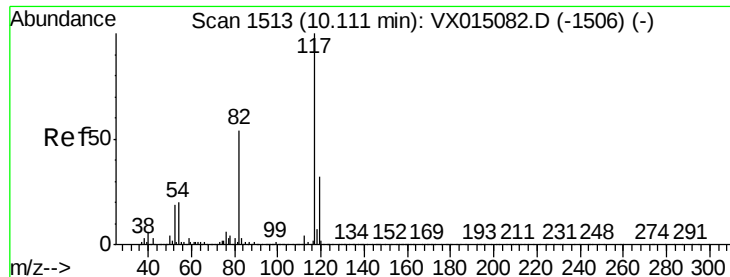
100000

50000

0

Time-->





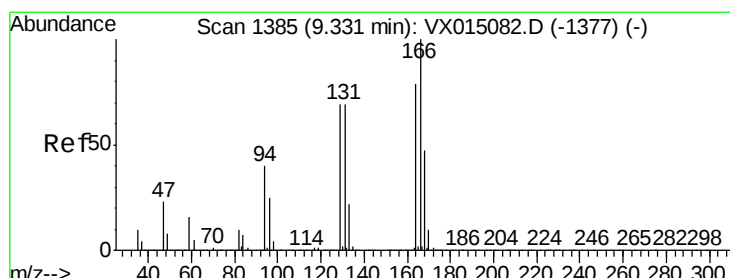
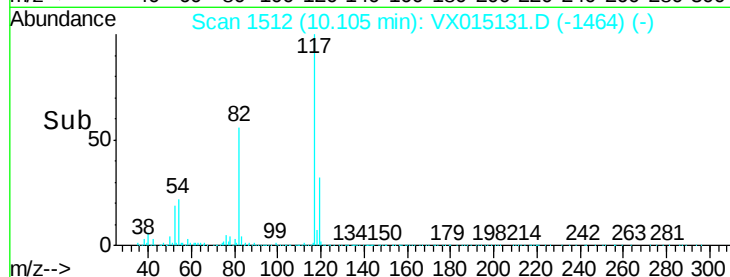
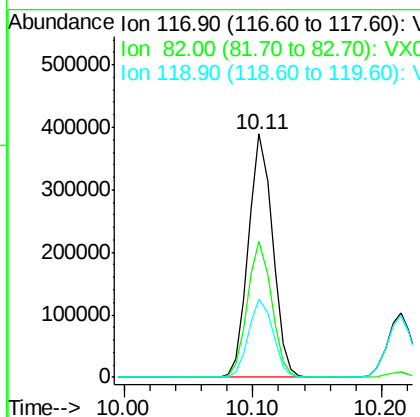
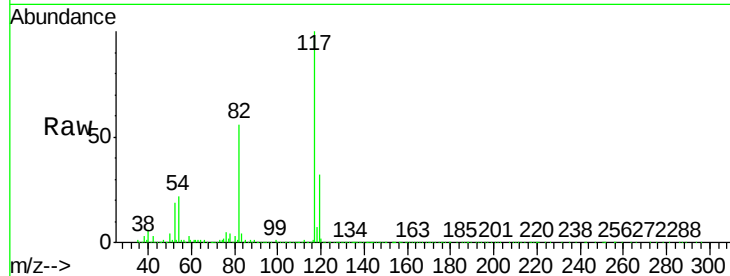
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	501501		
82	55.7	43.3	64.9	
119	32.2	25.8	38.8	

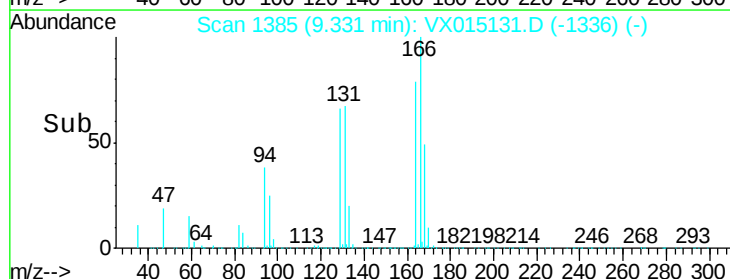
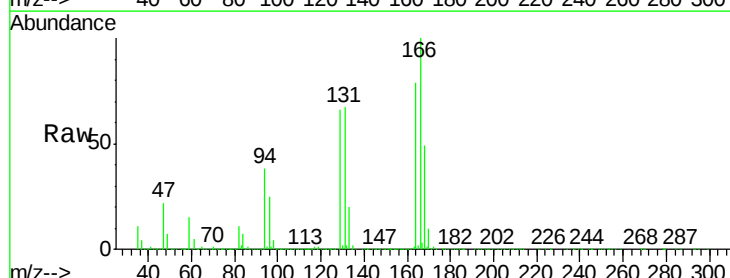
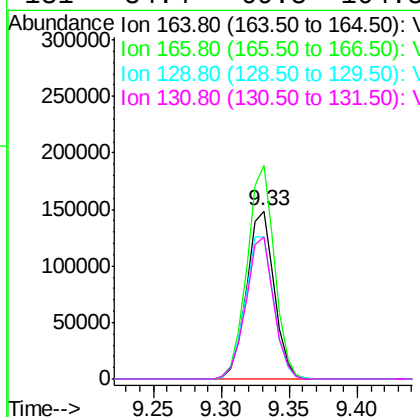
Manual Integrations
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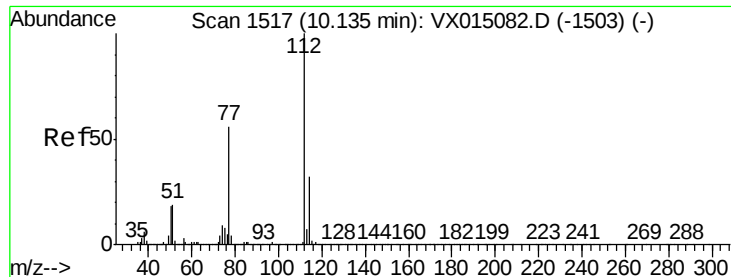
MMDadoda
3/11/2020 4:45:18 PM



#64
Tetrachloroethene
Concen: 50.858 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	210881		
166	126.9	101.1	151.7	
129	84.3	69.4	104.0	
131	84.4	69.8	104.8	





#65

Chlorobenzene

Concen: 53.327 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 536916

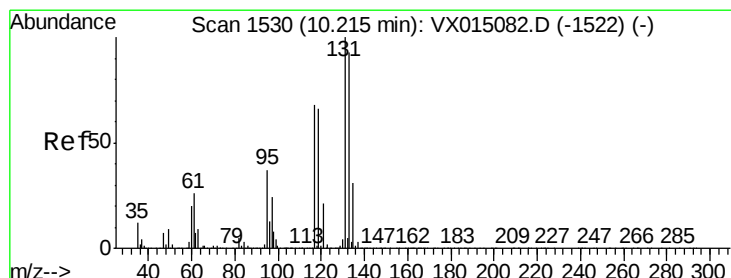
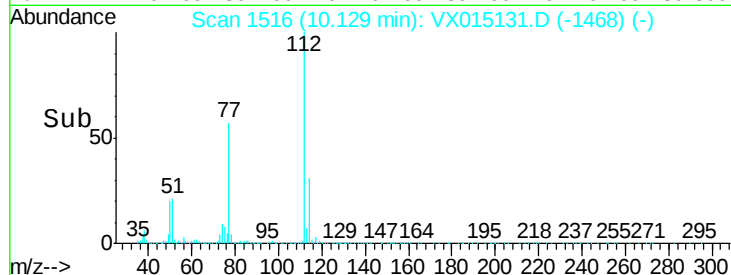
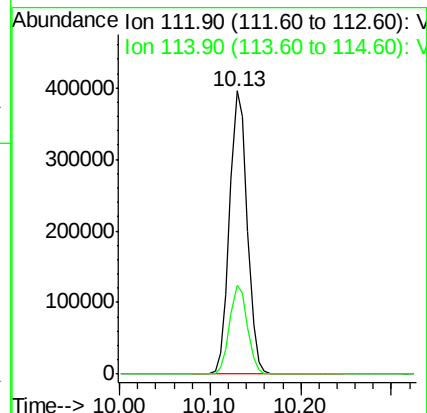
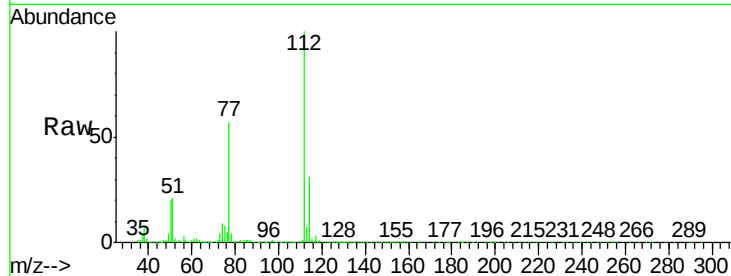
Ion Ratio Lower Upper

112 100

114 31.2 25.5 38.3

Manual Integrations
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3/11/2020 4:45:18 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 52.729 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

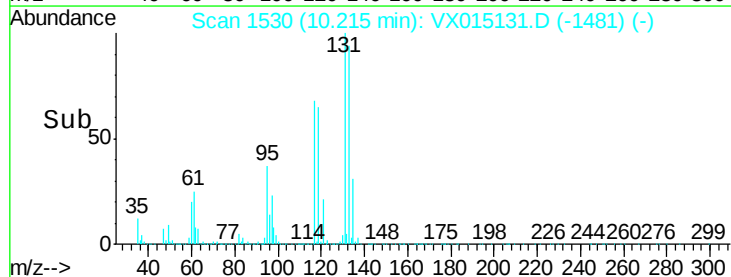
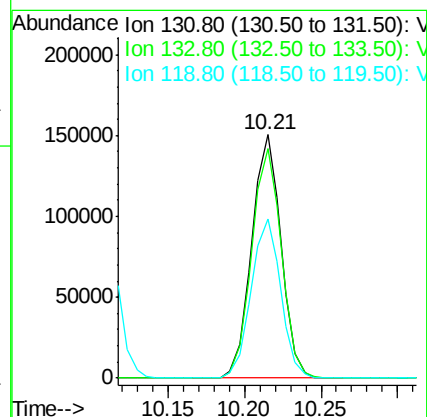
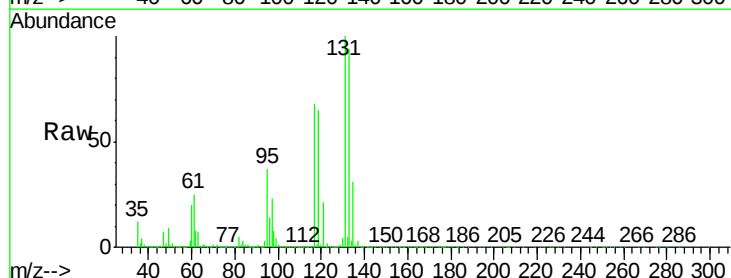
Tgt Ion:131 Resp: 200187

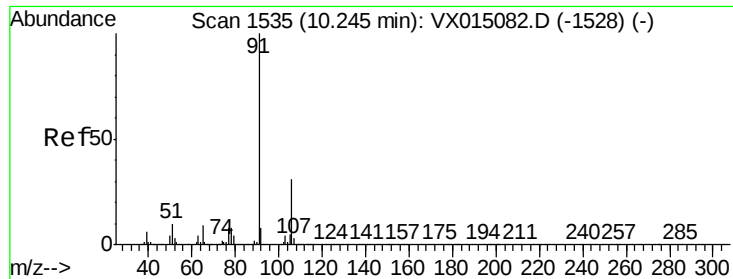
Ion Ratio Lower Upper

131 100

133 95.7 47.5 142.5

119 65.9 33.4 100.1





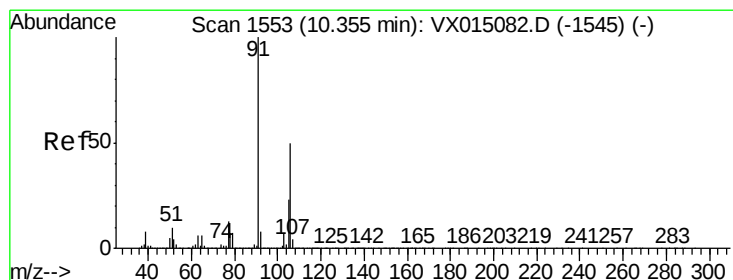
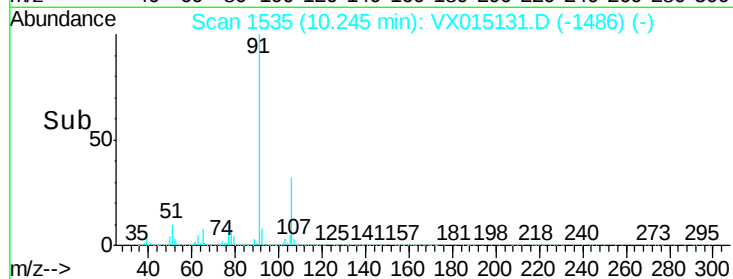
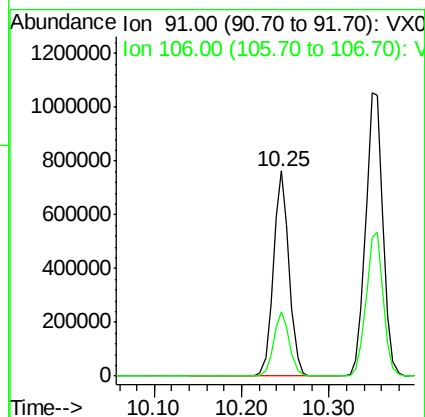
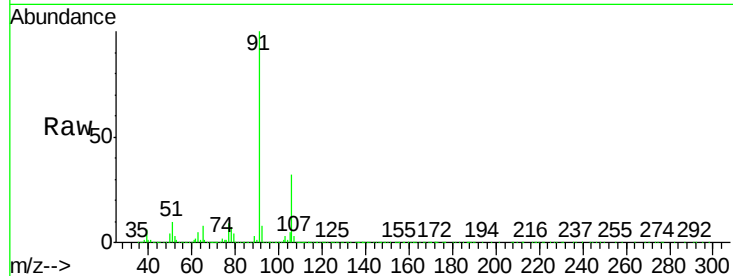
#67
Ethyl Benzene
Concen: 55.832 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 954573
Ion Ratio Lower Upper
91 100
106 31.5 24.9 37.3

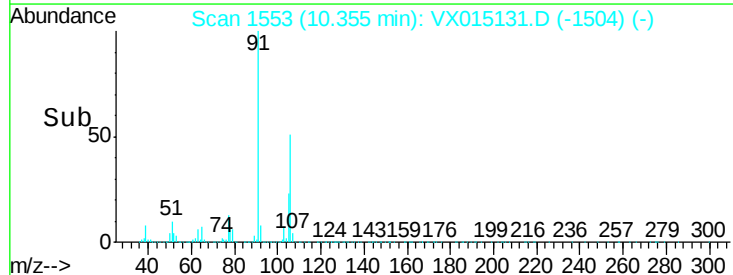
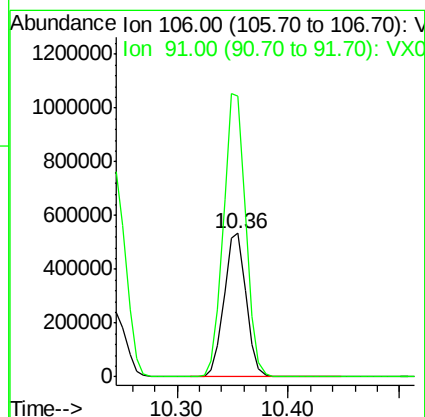
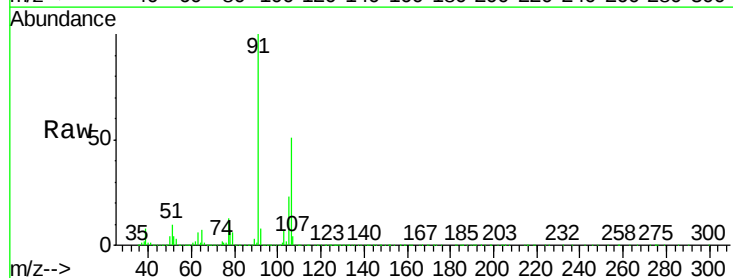
Manual Integrations
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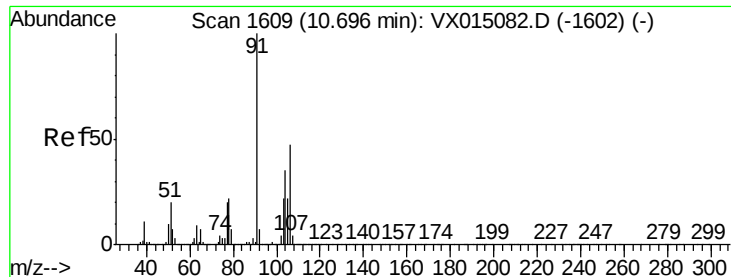
MMDadoda
3/11/2020 4:45:18 PM



#68
m/p-Xylenes
Concen: 111.799 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Tgt Ion: 106 Resp: 727232
Ion Ratio Lower Upper
106 100
91 200.4 159.4 239.2





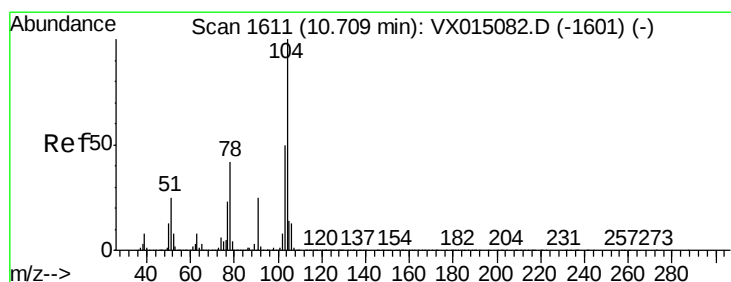
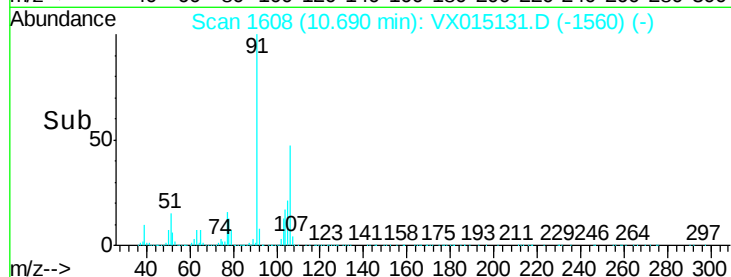
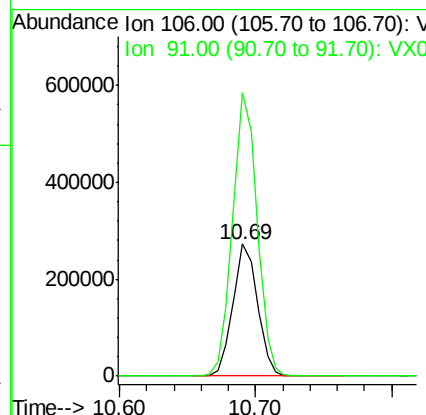
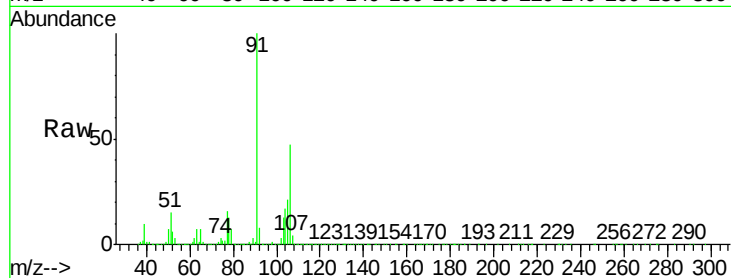
#69
o-Xylene
Concen: 55.072 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.5	105.4	316.1

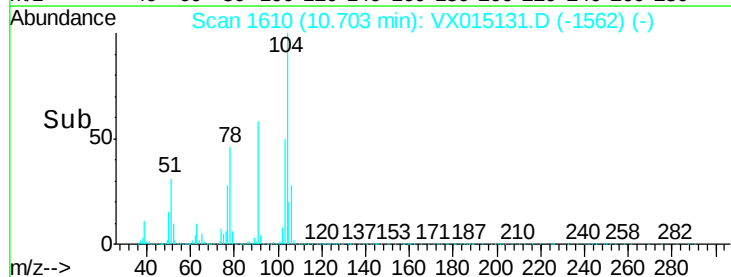
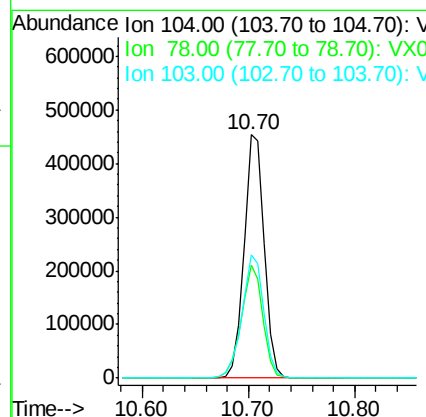
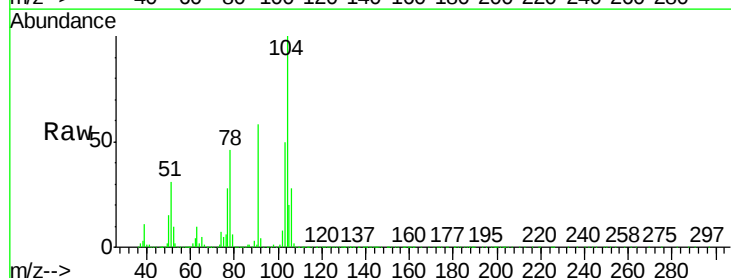
Manual Integrations
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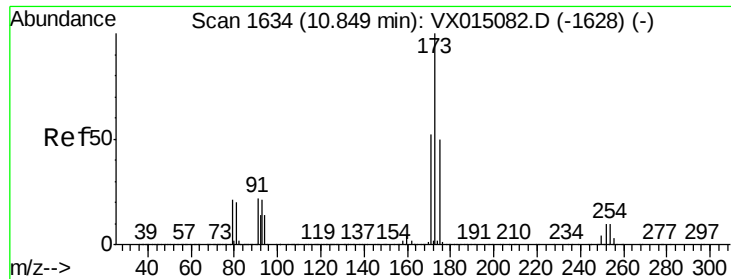
MMDadoda
3/11/2020 4:45:18 PM



#70
Styrene
Concen: 56.502 ug/l
RT: 10.70 min Scan# 1610
Delta R.T. -0.01 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.2	39.0	58.4
103	54.3	43.7	65.5





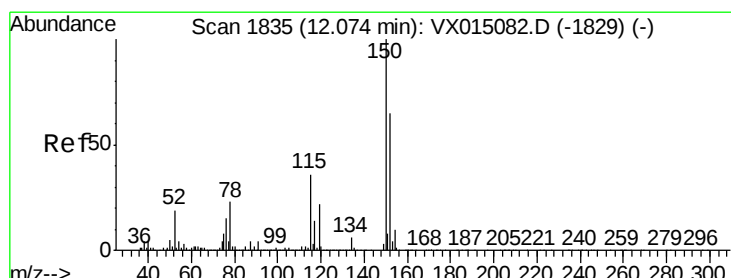
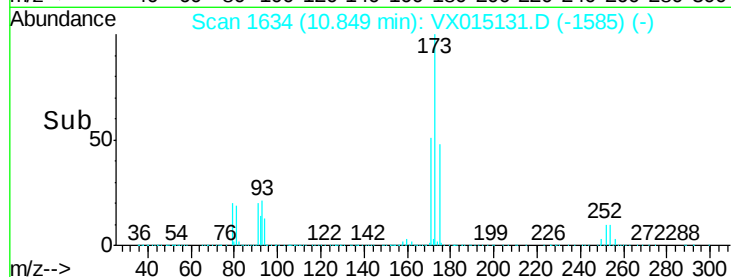
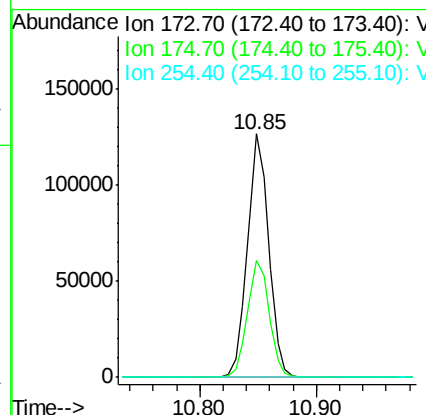
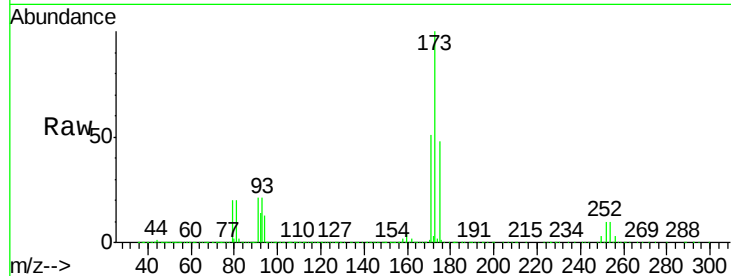
#71
Bromoform
Concen: 55.289 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.9	74.7
254	0.3	0.2	0.2#

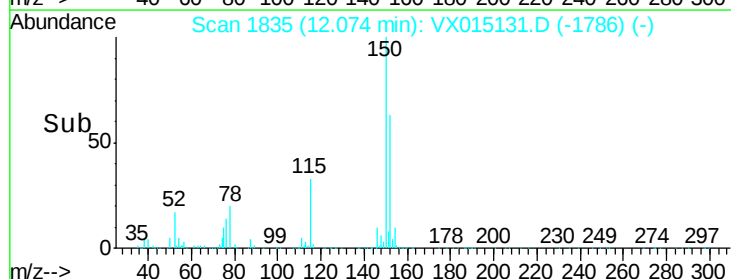
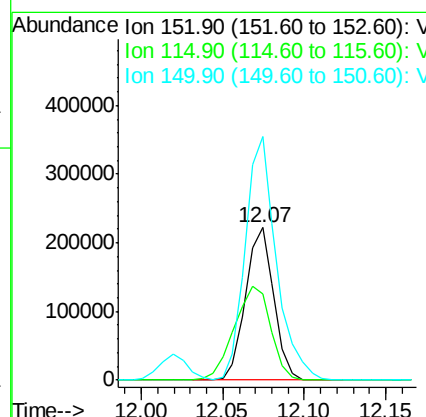
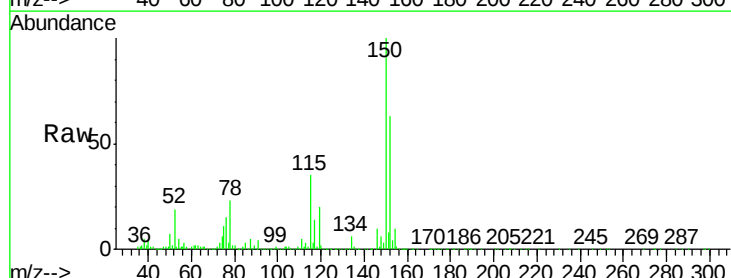
Manual Integrations
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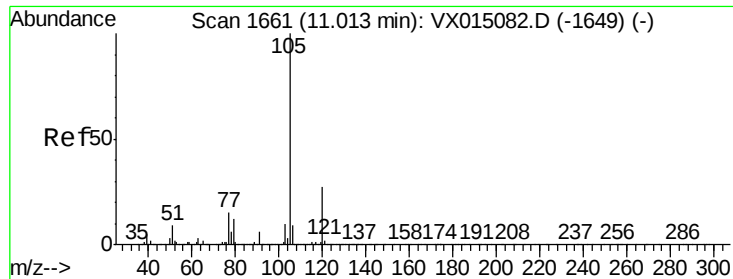
MMDadoda
3/11/2020 4:45:18 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	79.4	38.2	114.6
150	175.5	0.0	343.8





#73

Isopropylbenzene

Concen: 54.966 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 938227

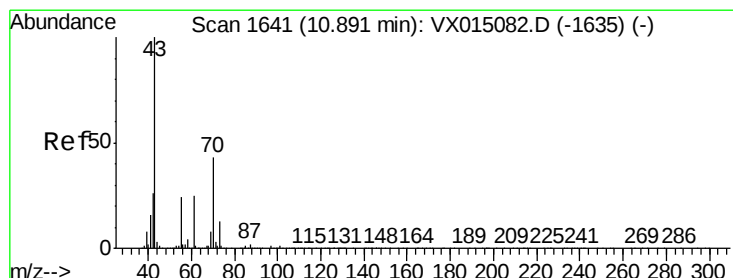
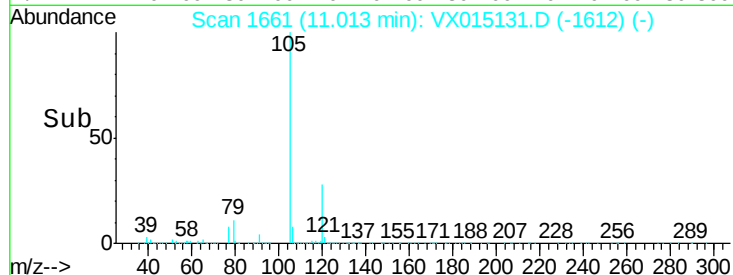
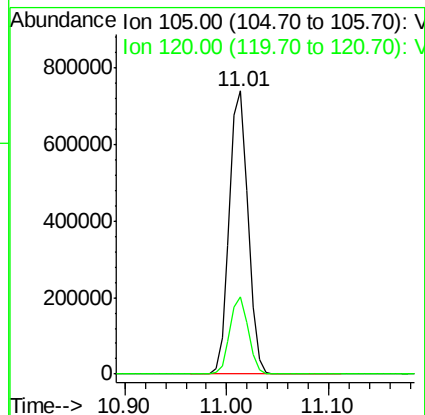
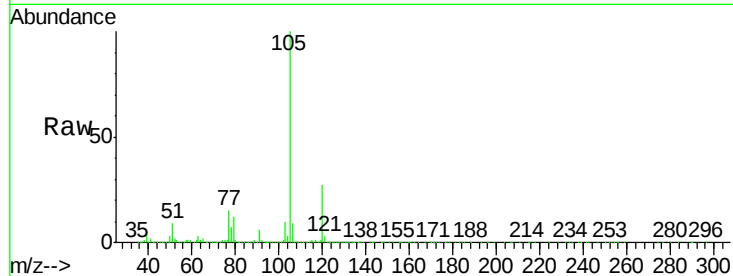
Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.5

Manual Integrations
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3/11/2020 4:45:18 PM



#74

N-ethyl acetate

Concen: 54.768 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Tgt Ion: 43 Resp: 393980

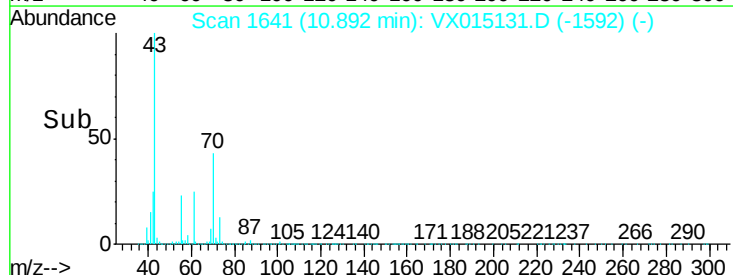
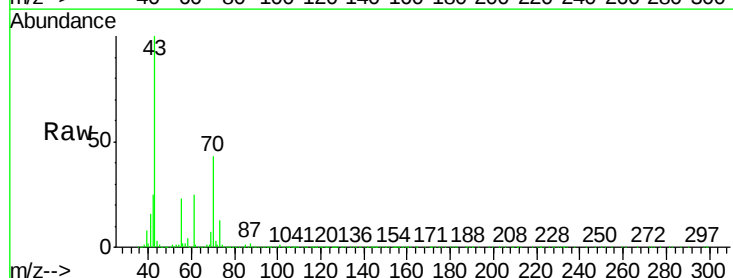
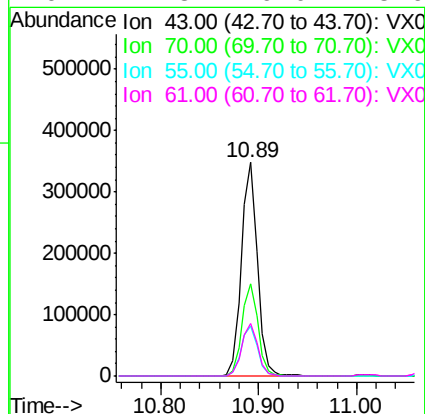
Ion Ratio Lower Upper

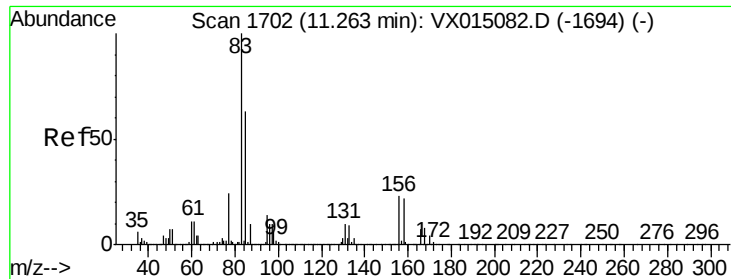
43 100

70 43.3 34.7 52.1

55 24.0 19.4 29.0

61 24.8 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.836 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Instrument :

MSVOA_X

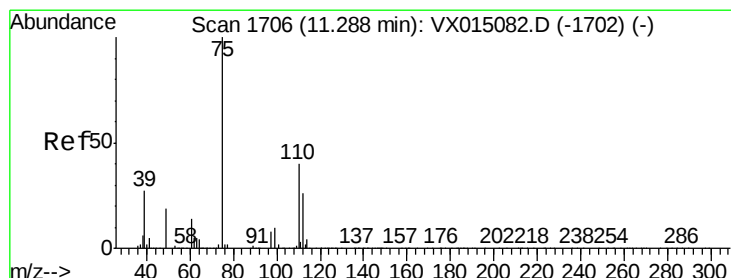
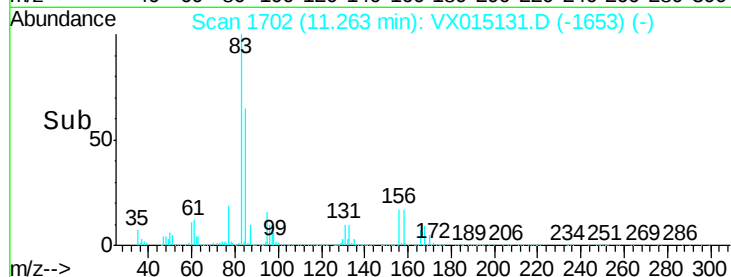
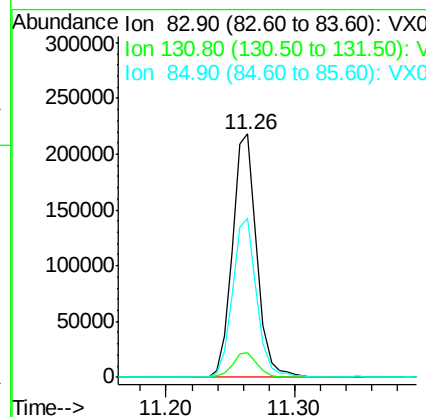
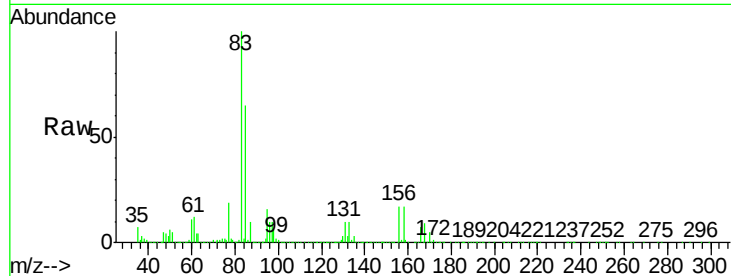
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	289185
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.0	14.9
85	64.7	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.557 ug/l m

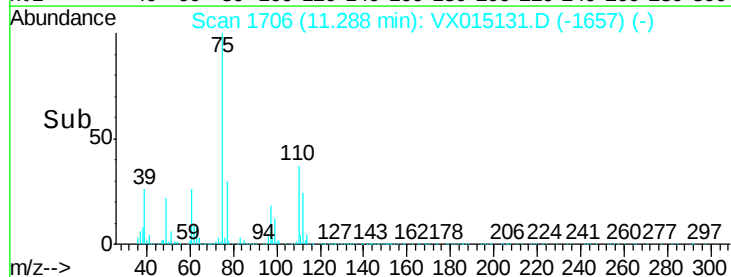
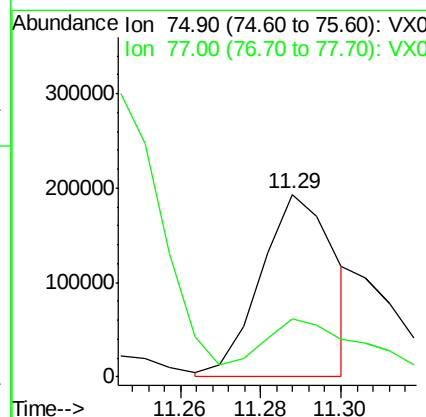
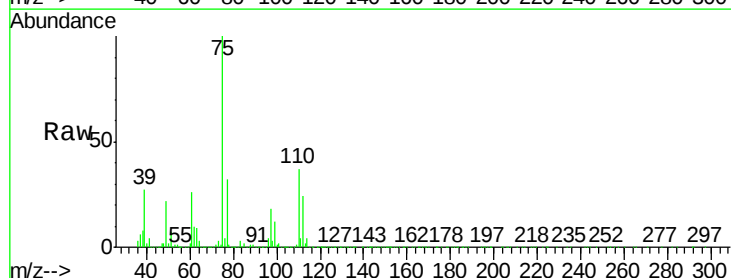
RT: 11.29 min Scan# 1706

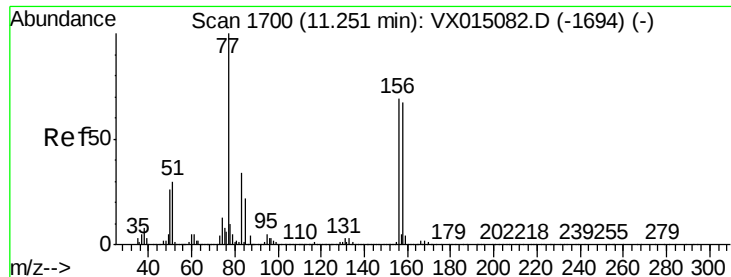
Delta R.T. 0.00 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Tgt Ion:	75	Resp:	248145
Ion Ratio	Lower	Upper	
75	100		
77	43.6	22.6	67.8





#77

Bromobenzene

Concen: 50.804 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Instrument :

MSVOA_X

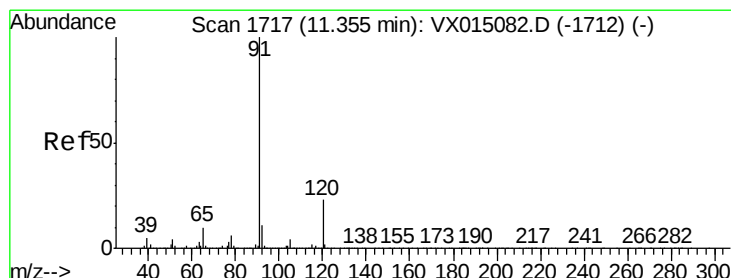
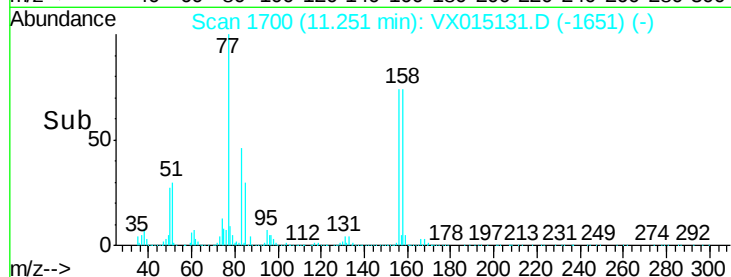
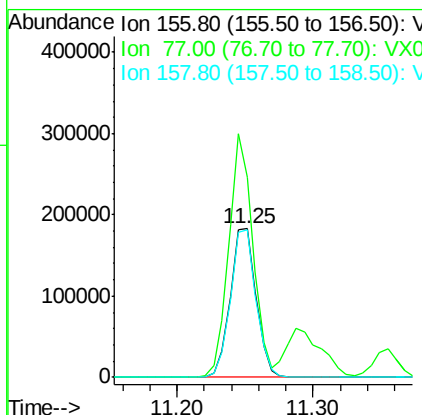
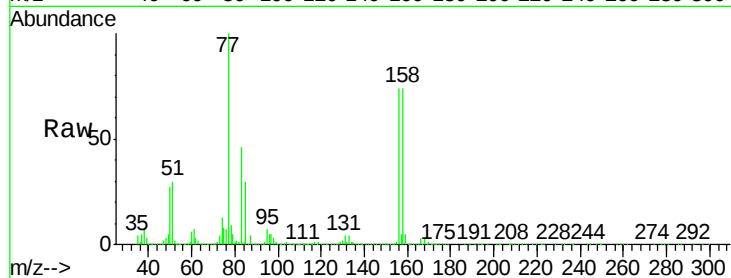
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	152.1	75.3	225.9
158	97.7	48.5	145.6

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#78

n-propylbenzene

Concen: 55.859 ug/l

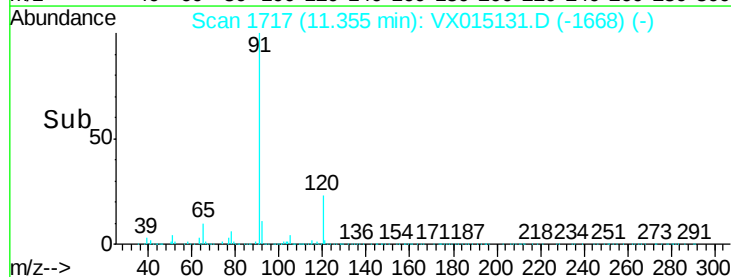
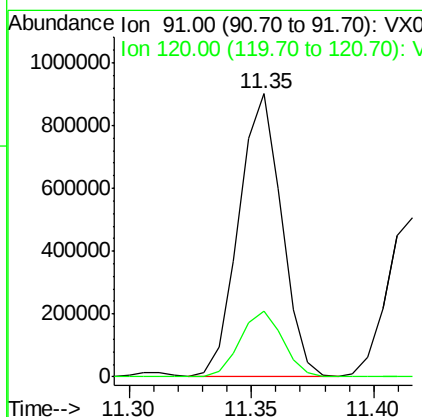
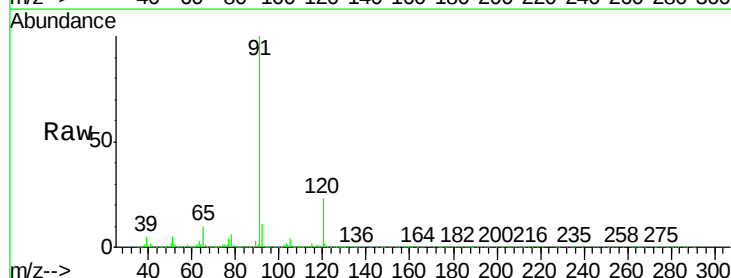
RT: 11.35 min Scan# 1717

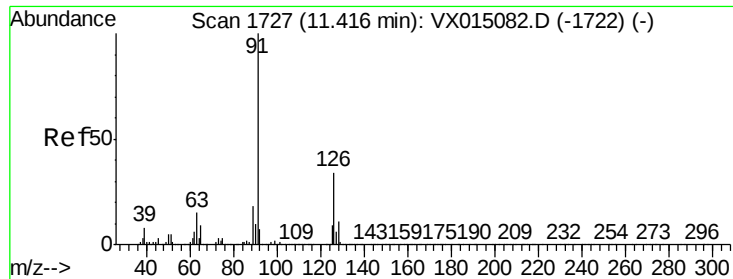
Delta R.T. 0.00 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.7	35.1





#79

2-Chlorotoluene

Concen: 54.273 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 632057

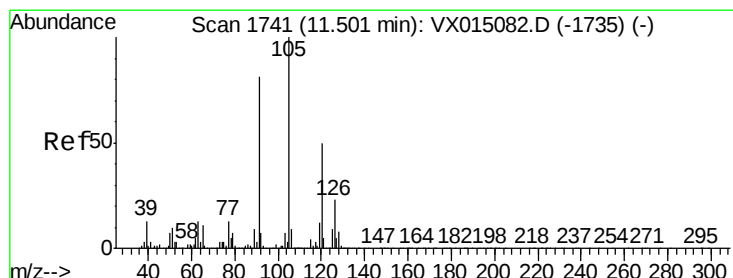
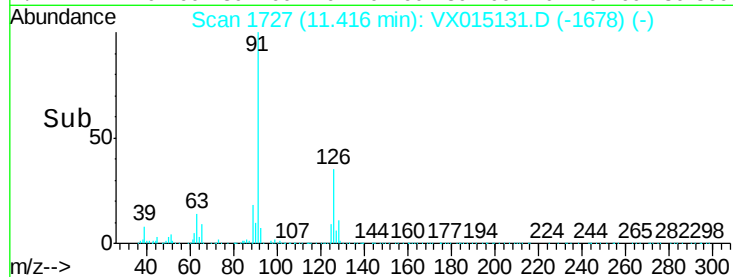
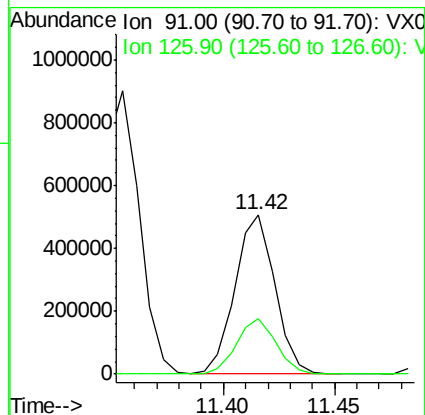
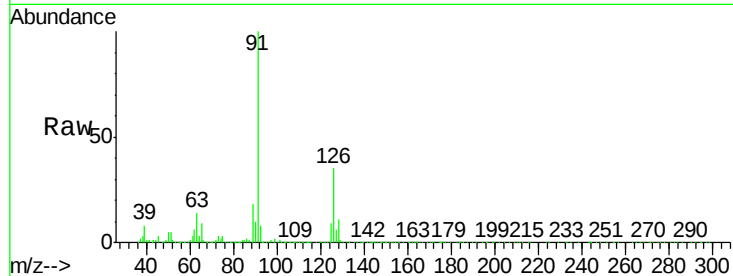
Ion Ratio Lower Upper

91 100

126 34.6 17.3 52.0

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#80

1,3,5-Trimethylbenzene

Concen: 55.654 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX015131.D

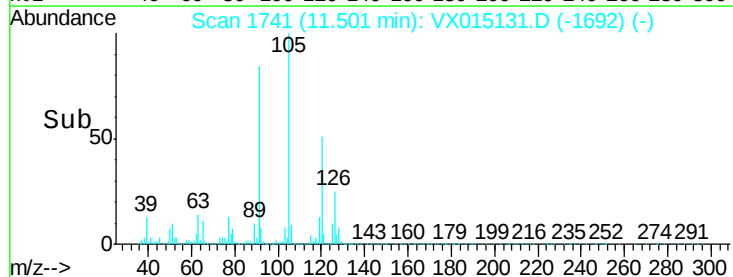
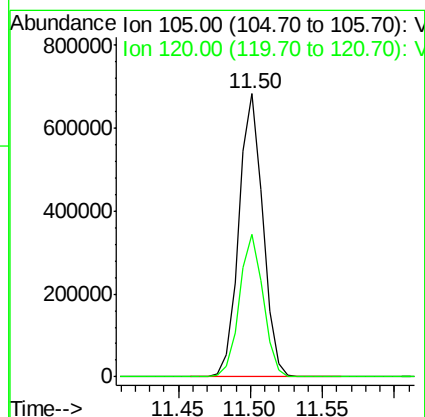
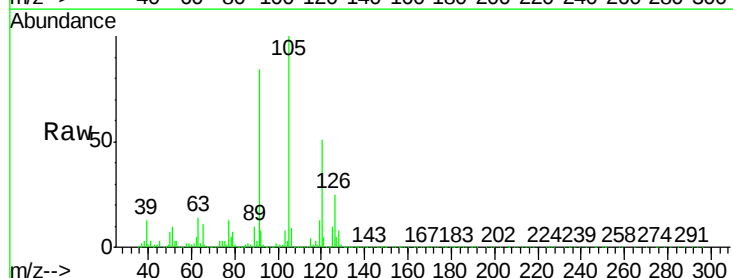
Acq: 09 Mar 2020 10:20

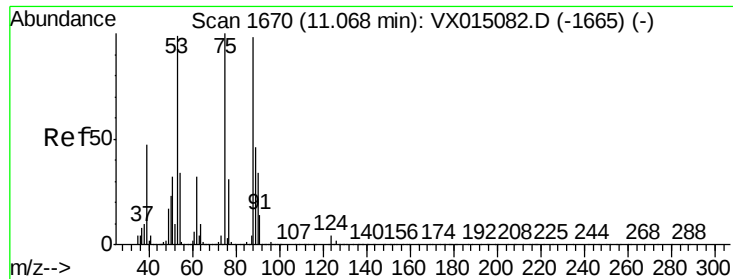
Tgt Ion: 105 Resp: 790809

Ion Ratio Lower Upper

105 100

120 50.0 25.1 75.4





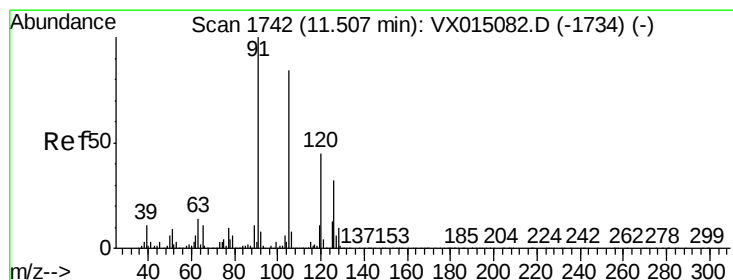
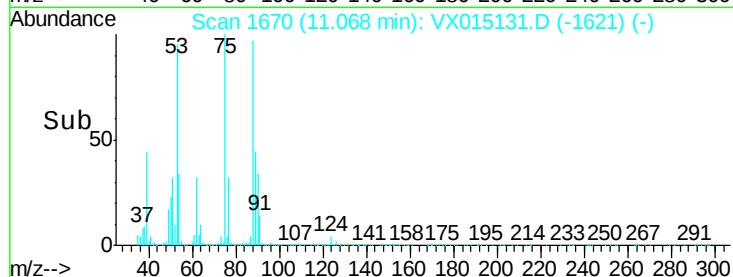
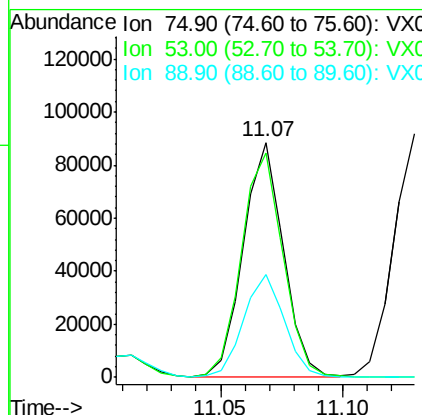
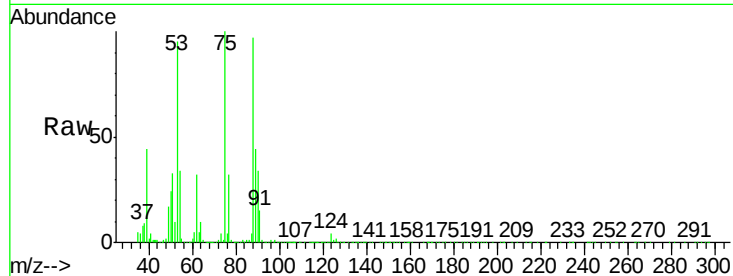
#81
trans-1,4-Dichloro-2-butene
Concen: 53.249 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.5	77.9	116.9
89	45.8	36.2	54.2

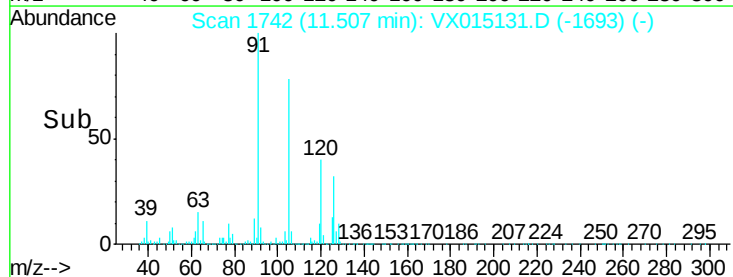
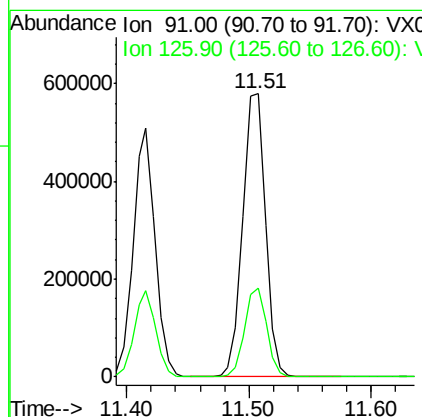
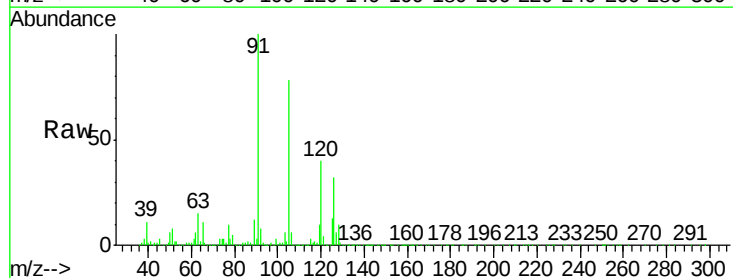
Manual Integrations
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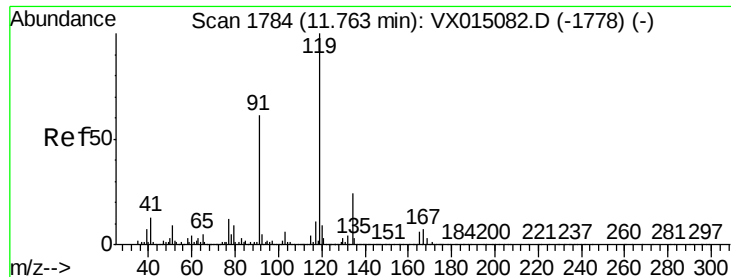
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#82
4-Chlorotoluene
Concen: 54.119 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.4	46.2





#83

tert-Butylbenzene

Concen: 55.435 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Instrument :

MSVOA_X

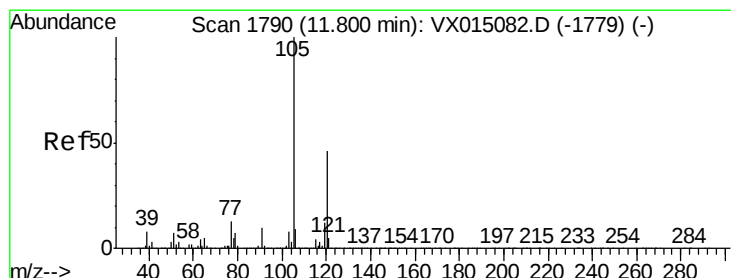
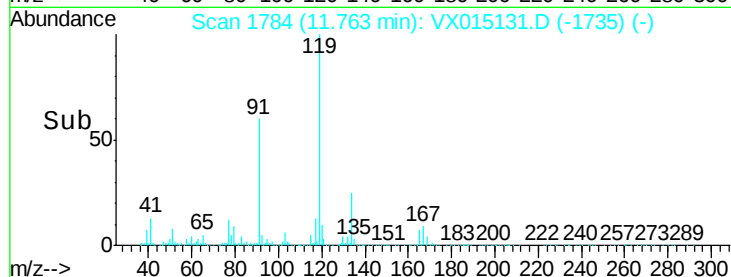
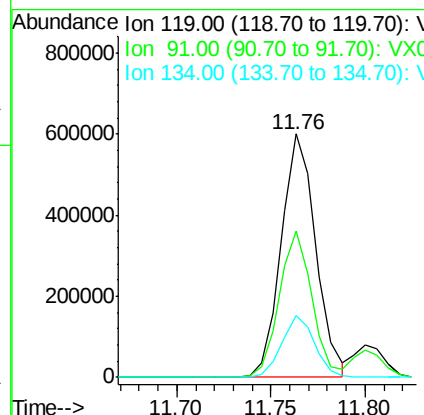
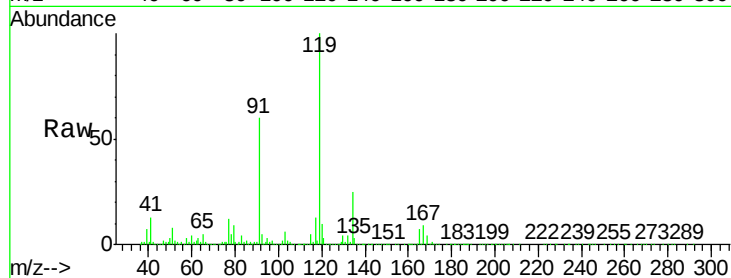
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	761656
Ion Ratio	Lower	Upper	
119	100		
91	57.2	28.5	85.6
134	24.3	11.9	35.7

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#84

1,2,4-Trimethylbenzene

Concen: 55.807 ug/l

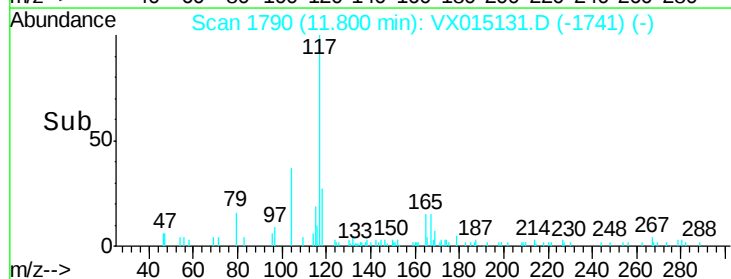
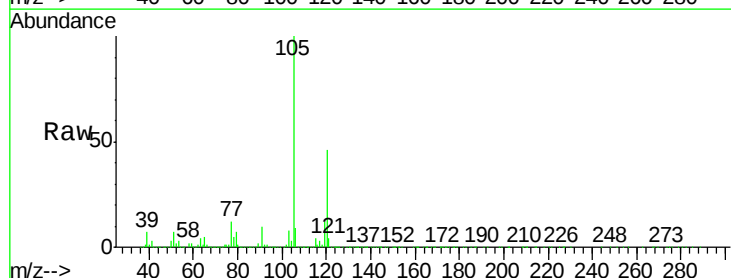
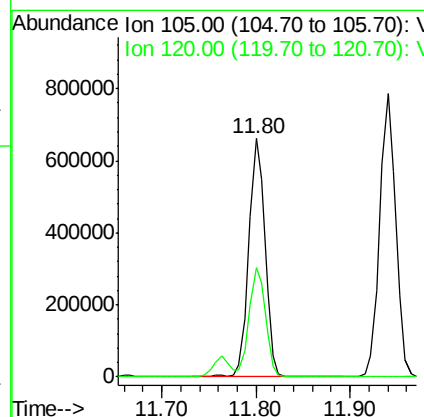
RT: 11.80 min Scan# 1790

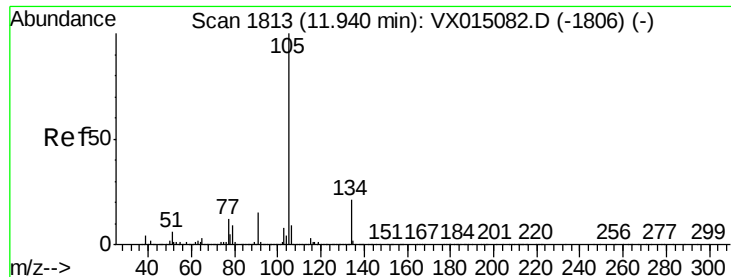
Delta R.T. 0.00 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Tgt Ion:	105	Resp:	796645
Ion Ratio	Lower	Upper	
105	100		
120	45.6	22.9	68.5





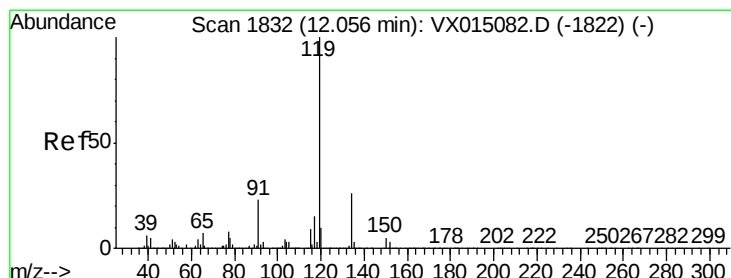
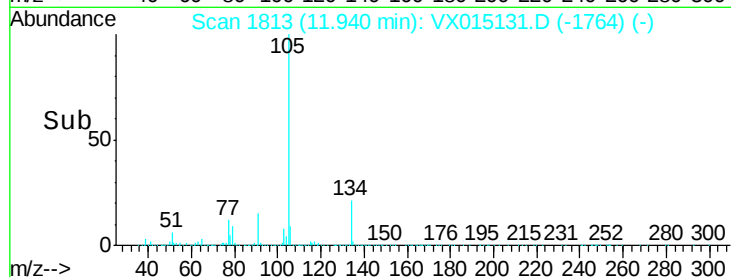
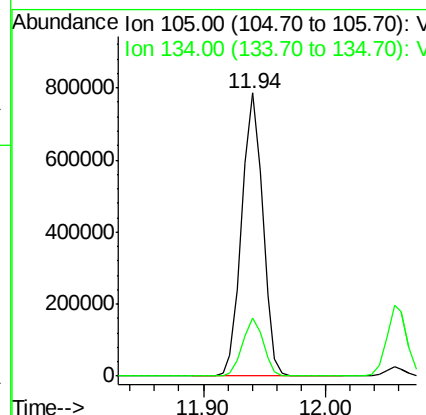
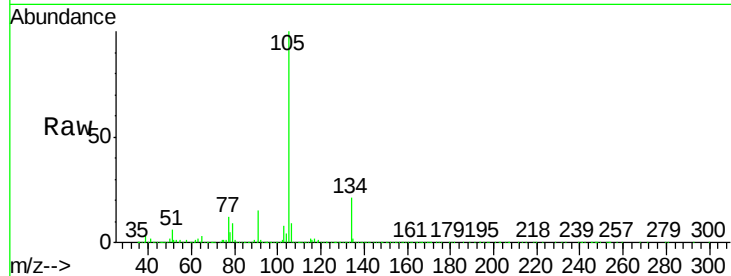
#85
 sec-Butylbenzene
 Concen: 55.851 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX015131.D
 Acq: 09 Mar 2020 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.4	31.2

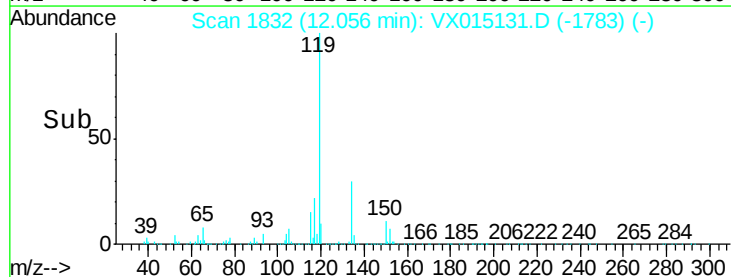
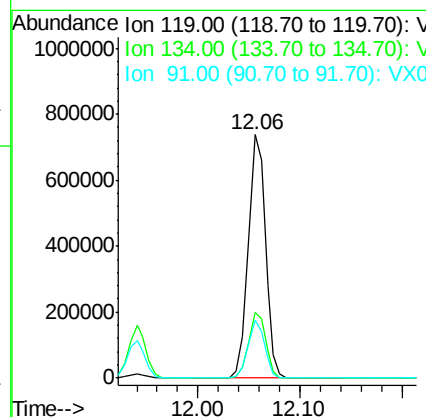
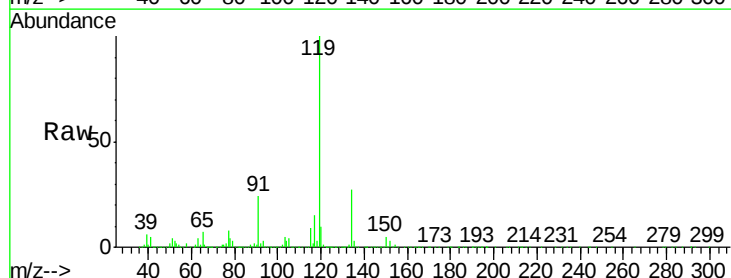
Manual Integrations
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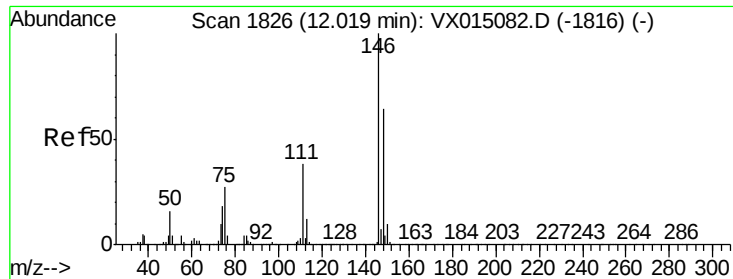
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#86
 p-Isopropyltoluene
 Concen: 56.218 ug/l
 RT: 12.06 min Scan# 1832
 Delta R.T. 0.00 min
 Lab File: VX015131.D
 Acq: 09 Mar 2020 10:20

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.4	40.1
91	22.6	11.3	33.8





#87

1,3-Dichlorobenzene

Concen: 51.931 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX015131.D

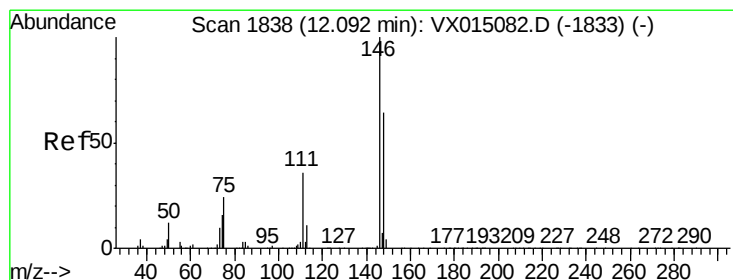
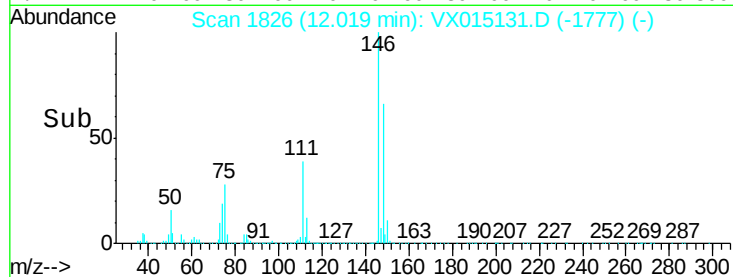
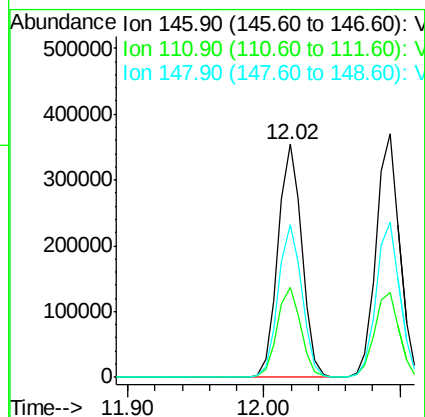
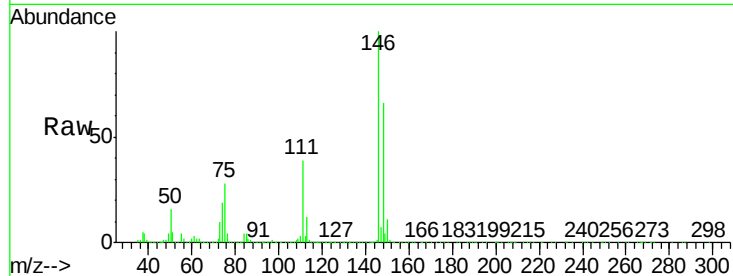
Acq: 09 Mar 2020 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.1
148	65.1	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 51.135 ug/l

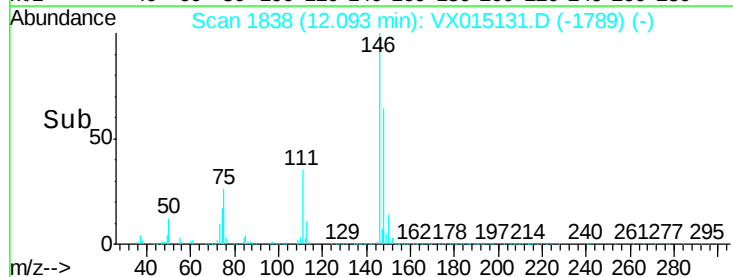
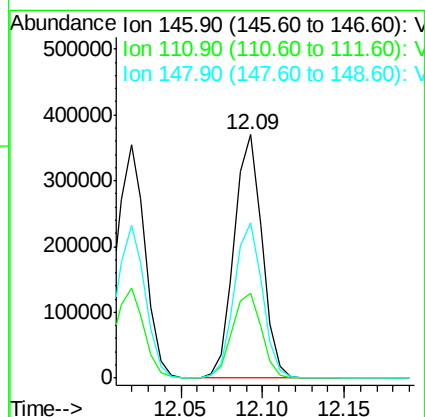
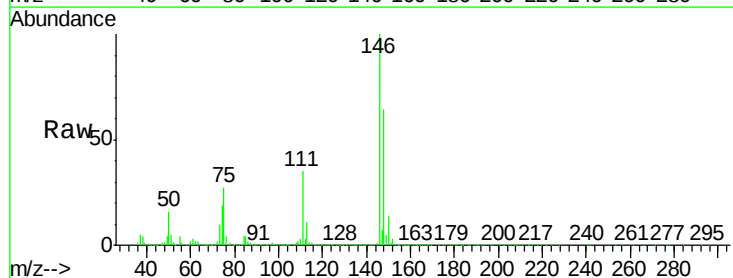
RT: 12.09 min Scan# 1838

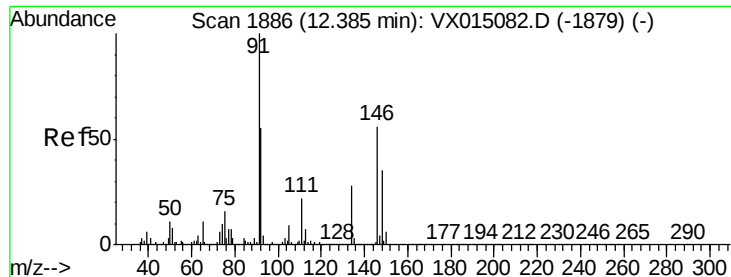
Delta R.T. 0.00 min

Lab File: VX015131.D

Acq: 09 Mar 2020 10:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.7	56.1
148	64.0	32.5	97.4





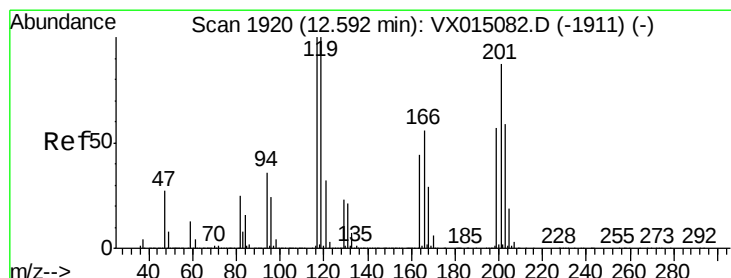
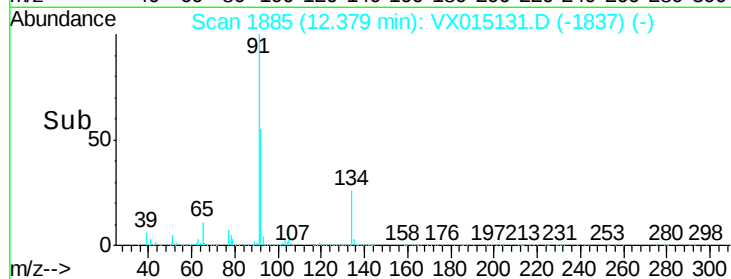
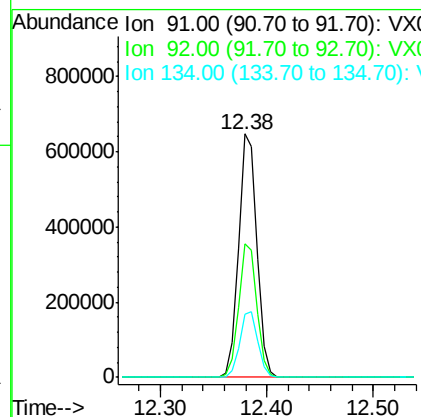
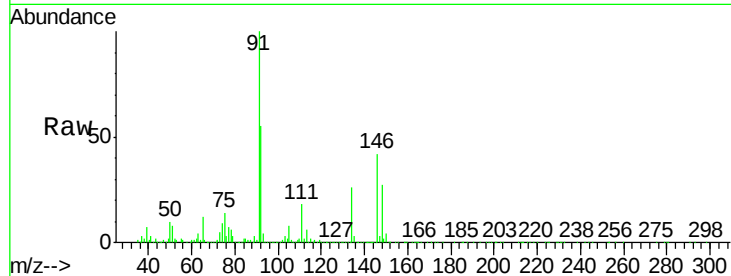
#89
n-Butylbenzene
Concen: 57.208 ug/l
RT: 12.38 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.2	81.6
134	26.8	13.5	40.5

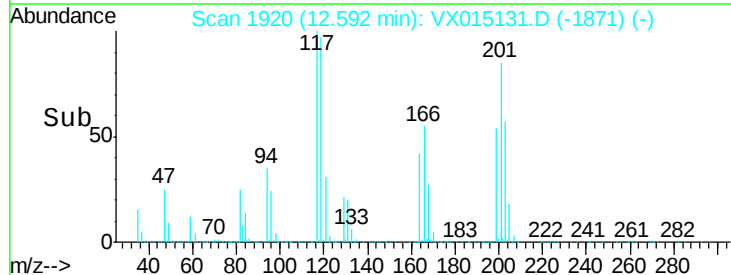
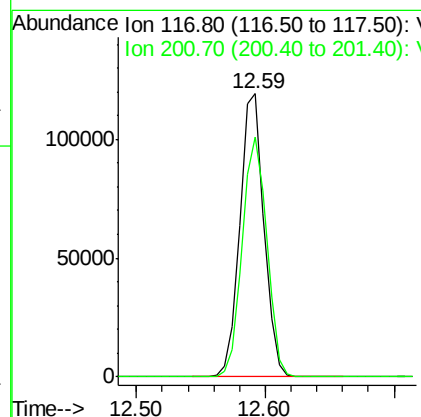
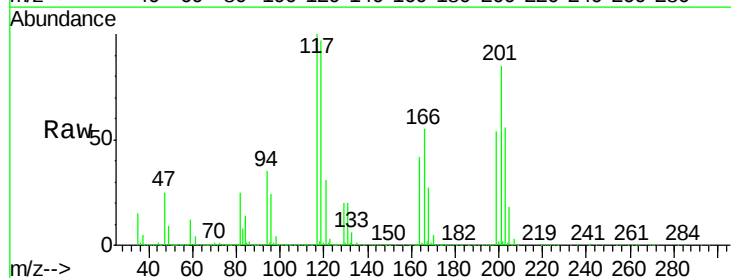
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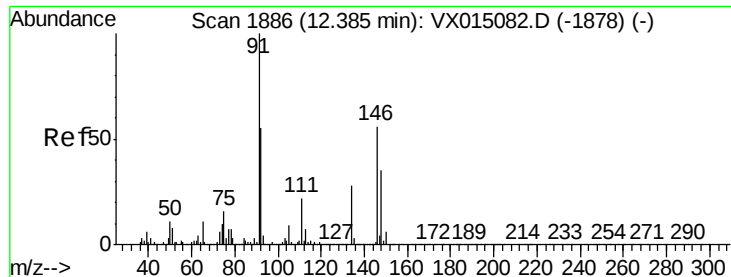
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#90
Hexachloroethane
Concen: 53.751 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.9	43.5	130.7





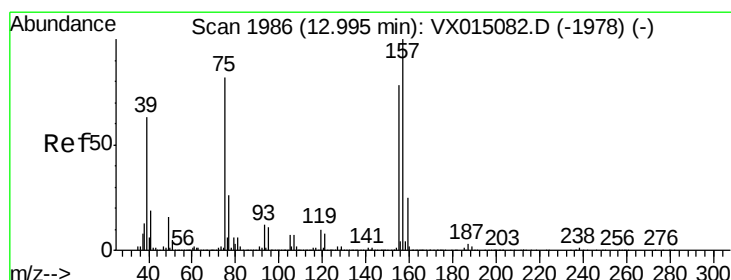
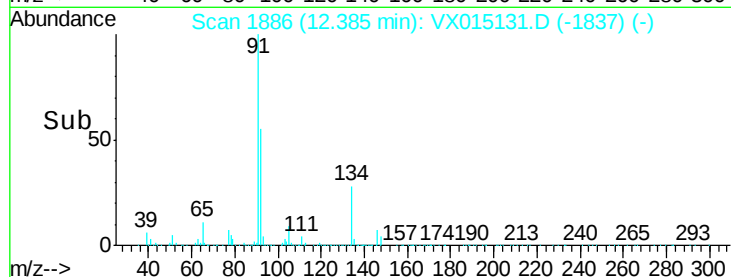
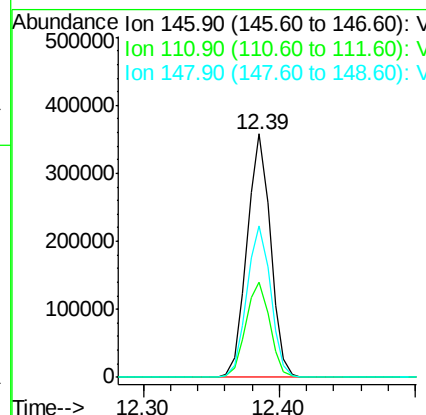
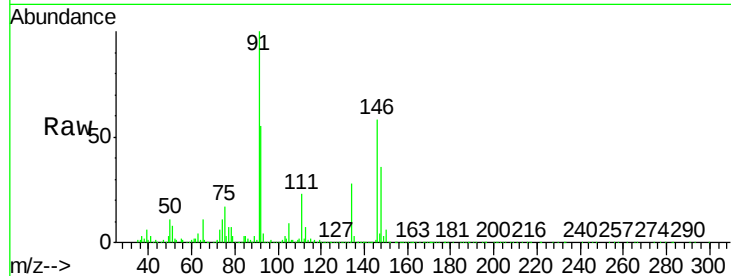
#91
 1,2-Dichlorobenzene
 Concen: 52.005 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX015131.D
 Acq: 09 Mar 2020 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	432375		
111	40.0	19.9	59.7	
148	63.5	32.3	96.8	

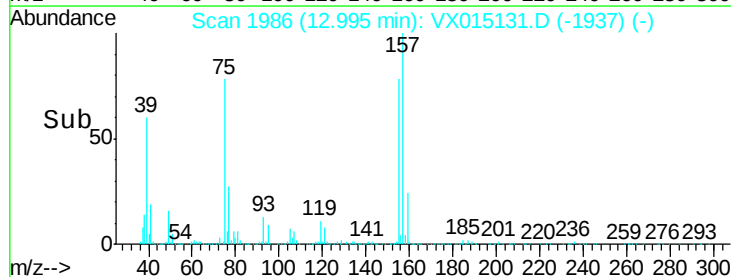
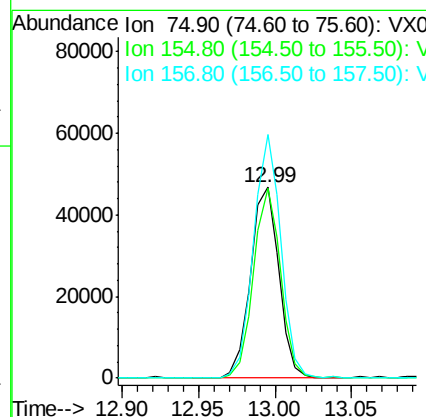
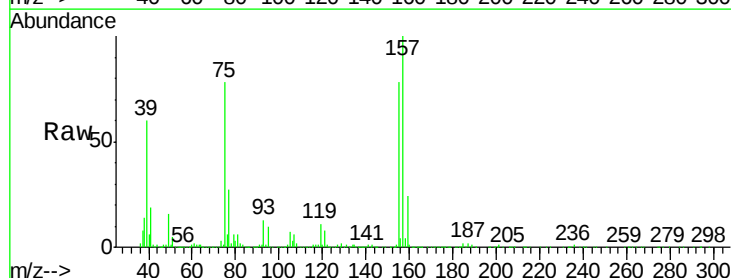
Manual Integrations
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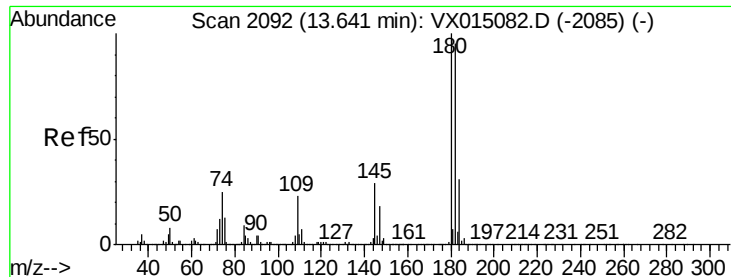
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.603 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX015131.D
 Acq: 09 Mar 2020 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	59920		
155	95.7	46.6	139.7	
157	123.9	59.2	177.5	





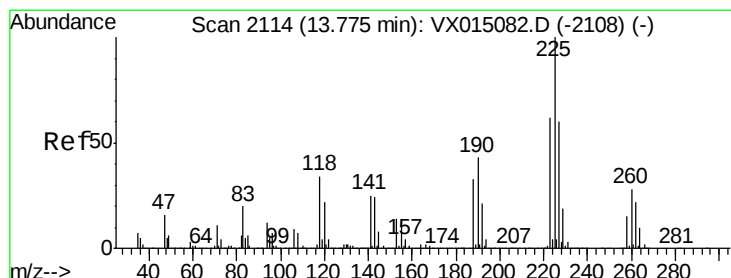
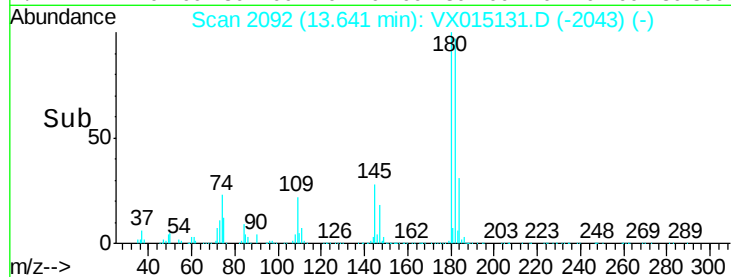
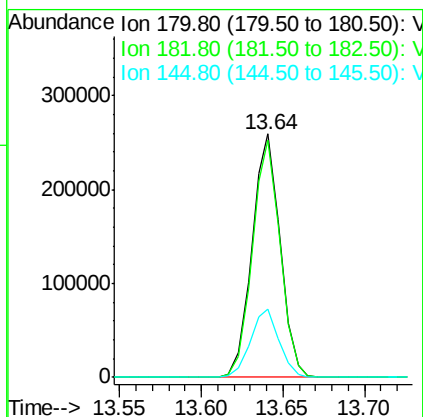
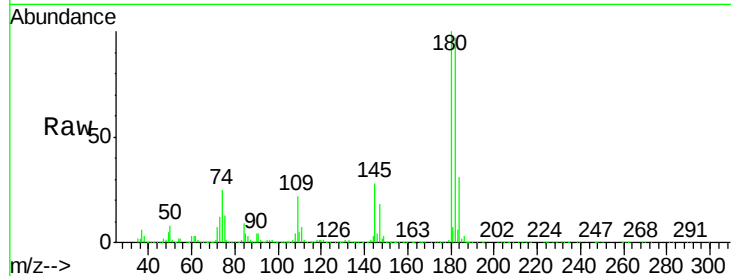
#93
 1,2,4-Trichlorobenzene
 Concen: 53.897 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX015131.D
 Acq: 09 Mar 2020 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.6	142.8
145	28.5	14.1	42.2

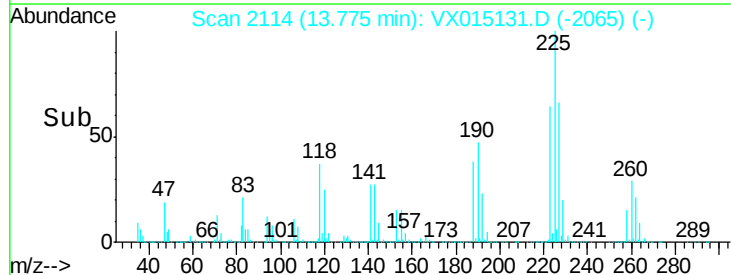
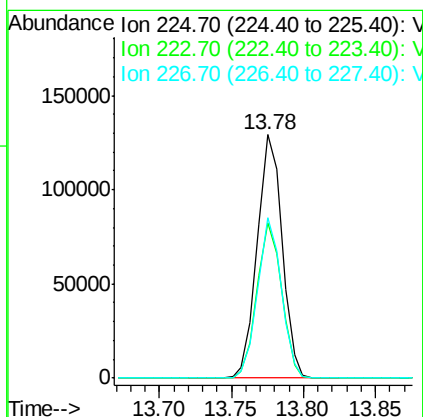
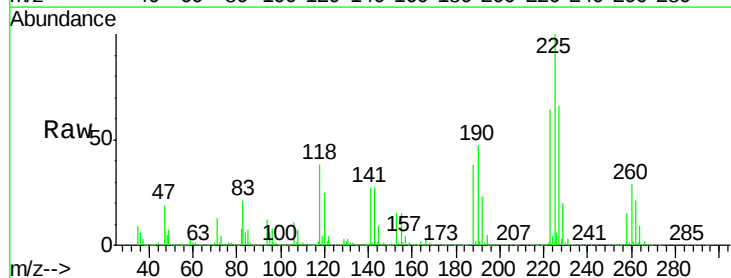
Manual Integrations
 APPROVED

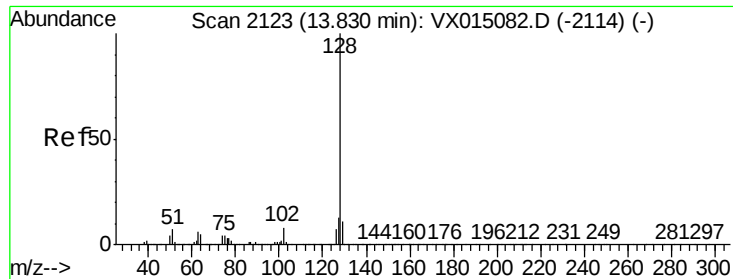
MMDadoda
 3/11/2020 4:45:18 PM



#94
 Hexachlorobutadiene
 Concen: 51.883 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX015131.D
 Acq: 09 Mar 2020 10:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.3	93.9
227	63.1	31.1	93.2





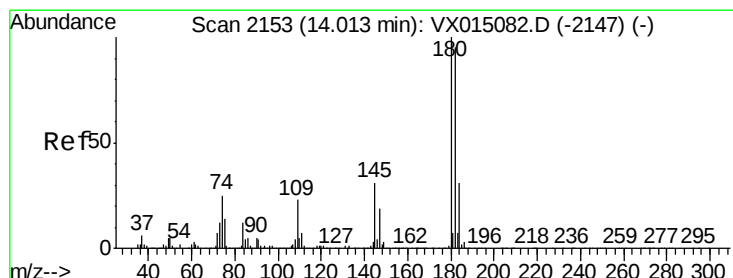
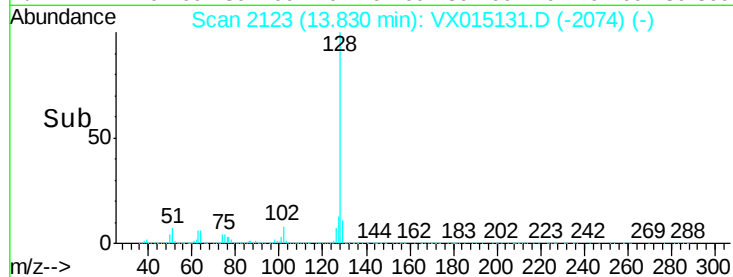
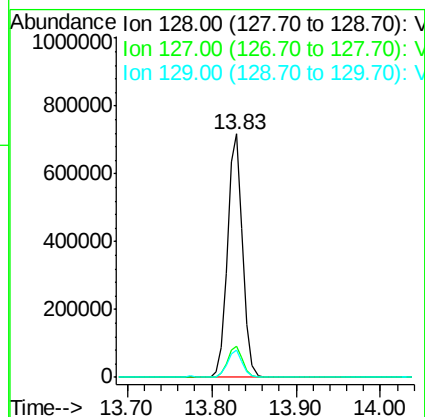
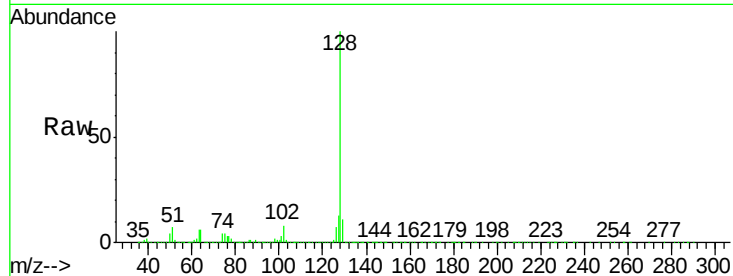
#95
Naphthalene
Concen: 49.878 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/11/2020 4:45:18 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.618 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX015131.D
Acq: 09 Mar 2020 10:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.8	143.4
145	29.0	15.1	45.3

