

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031820\
 Data File : VX015323.D
 Acq On : 18 Mar 2020 13:24
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 12:00:51 PM

Quant Time: Mar 18 14:37:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 14:21:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	571079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	969203	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	915854	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	399182	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	140623	20.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.04%	
35) Dibromofluoromethane	5.49	113	132075	21.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.98%	
50) Toluene-d8	8.71	98	487798	20.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.88%	
62) 4-Bromofluorobenzene	11.13	95	162825	19.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	114178	22.040	ug/l	99
3) Chloromethane	1.32	50	123987	17.586	ug/l	96
4) Vinyl Chloride	1.40	62	125961	17.565	ug/l	97
5) Bromomethane	1.64	94	66640	16.515	ug/l	98
6) Chloroethane	1.72	64	78841	18.340	ug/l	97
7) Trichlorofluoromethane	1.93	101	165874	19.202	ug/l	100
8) Diethyl Ether	2.18	74	67072	17.434	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	123517	22.544	ug/l	96
10) Methyl Iodide	2.50	142	131333	21.583	ug/l	98
11) Tert butyl alcohol	3.03	59	121853	100.016	ug/l	100
12) 1,1-Dichloroethene	2.37	96	132554	23.358	ug/l	96
13) Acrolein	2.29	56	117347	103.568	ug/l	98
14) Allyl chloride	2.72	41	191646	19.592	ug/l	98
15) Acrylonitrile	3.13	53	332151	109.306	ug/l	100
16) Acetone	2.44	43	268470	98.626	ug/l	98
17) Carbon Disulfide	2.56	76	354010	22.383	ug/l	99
18) Methyl Acetate	2.76	43	135170	19.795	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	382319	21.316	ug/l	98
20) Methylene Chloride	2.85	84	150668	22.434	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	142177	22.741	ug/l	97
22) Diisopropyl ether	3.84	45	401210	20.395	ug/l	95
23) Vinyl Acetate	3.80	43	1618091	100.604	ug/l	98
24) 1,1-Dichloroethane	3.69	63	230135	20.861	ug/l	99
25) 2-Butanone	4.66	43	418705	102.972	ug/l	99
26) 2,2-Dichloropropane	4.58	77	178694	20.571	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	159118	22.942	ug/l	98
28) Bromochloromethane	5.01	49	110069	22.322	ug/l	97
29) Tetrahydrofuran	5.12	42	267214	100.946	ug/l	99
30) Chloroform	5.20	83	235008	21.734	ug/l	99
31) Cyclohexane	5.58	56	199454	20.225	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	196910	21.849	ug/l	97
36) 1,1-Dichloropropene	5.79	75	175382	19.488	ug/l	99
37) Ethyl Acetate	4.82	43	164265	20.006	ug/l	99
38) Carbon Tetrachloride	5.78	117	171930	20.181	ug/l	94

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Manual Integrations
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Quant Time: Mar 18 14:37:51 2020
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	193800	18.337	ug/l	96
40) Benzene	6.14	78	549075	20.472	ug/l	99
41) Methacrylonitrile	5.03	41	92334	18.804	ug/l	96
42) 1,2-Dichloroethane	6.18	62	169184	18.787	ug/l	100
43) Isopropyl Acetate	6.43	43	248144	17.318	ug/l	100
44) Trichloroethene	7.20	130	141438	19.099	ug/l	99
45) 1,2-Dichloropropane	7.51	63	131612	19.150	ug/l	99
46) Dibromomethane	7.65	93	88778	19.663	ug/l	99
47) Bromodichloromethane	7.89	83	157568	17.732	ug/l	97
48) Methyl methacrylate	7.76	41	108124	14.814	ug/l	96
49) 1,4-Dioxane	7.75	88	59332	363.324	ug/l	93
51) 4-Methyl-2-Pentanone	8.64	43	792086	93.089	ug/l	99
52) Toluene	8.78	92	344986	21.034	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	182537	19.419	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	197355	18.446	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	141340	20.887	ug/l	97
56) Ethyl methacrylate	9.17	69	183663	19.254	ug/l	98
57) 1,3-Dichloropropane	9.37	76	226712	20.011	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	488254	94.178	ug/l	99
59) 2-Hexanone	9.48	43	578258	91.851	ug/l	99
60) Dibromochloromethane	9.57	129	132829	18.811	ug/l	100
61) 1,2-Dibromoethane	9.67	107	137028	19.186	ug/l	99
64) Tetrachloroethene	9.33	164	129477	17.453	ug/l	98
65) Chlorobenzene	10.14	112	367694	19.794	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	123489	17.795	ug/l	99
67) Ethyl Benzene	10.25	91	629451	19.991	ug/l	99
68) m/p-Xylenes	10.35	106	496708	41.366	ug/l	98
69) o-Xylene	10.70	106	238193	20.712	ug/l	100
70) Styrene	10.71	104	401082	20.344	ug/l	99
71) Bromoform	10.85	173	76267	14.422	ug/l #	96
73) Isopropylbenzene	11.01	105	614428	23.580	ug/l	97
74) N-amyl acetate	10.89	43	195357	18.372	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	185028	21.399	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	177233m	22.602	ug/l	
77) Bromobenzene	11.25	156	129738	18.159	ug/l	95
78) n-propylbenzene	11.35	91	694769	23.514	ug/l	98
79) 2-Chlorotoluene	11.42	91	417702	23.596	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	489904	22.717	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	56498	19.767	ug/l	94
82) 4-Chlorotoluene	11.51	91	467278	22.365	ug/l	100
83) tert-Butylbenzene	11.76	119	474098	22.683	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	521000	23.844	ug/l	100
85) sec-Butylbenzene	11.94	105	549940	21.614	ug/l	99
86) p-Isopropyltoluene	12.06	119	495567	21.267	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	248457	19.583	ug/l	97
88) 1,4-Dichlorobenzene	12.09	146	257300	19.694	ug/l	98
89) n-Butylbenzene	12.39	91	469329	22.574	ug/l	98
90) Hexachloroethane	12.59	117	85715	19.456	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	249962	19.707	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.99	75	36019	21.043	ug/l	89

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Mar 18 14:21:46 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	158707	18.627	ug/l	98
94) Hexachlorobutadiene	13.78	225	65458	15.441	ug/l	95
95) Naphthalene	13.83	128	540531	22.337	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	135380	15.956	ug/l	99

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

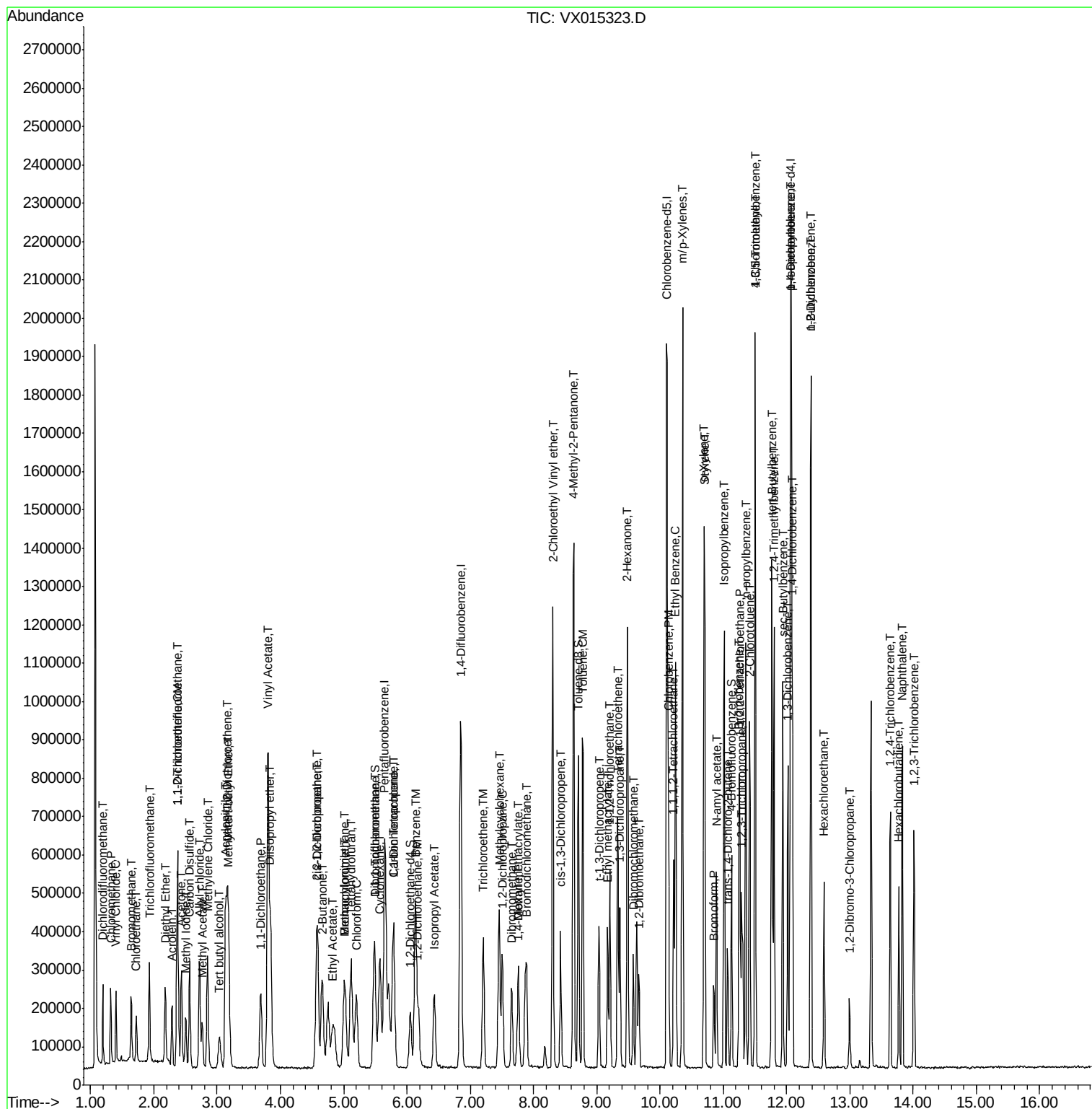
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031820\
Data File : VX015323.D
Acq On : 18 Mar 2020 13:24
Operator : JC/SP
Sample : VSTDIC020
Misc : 5.0mL/MSVOA X/WATER
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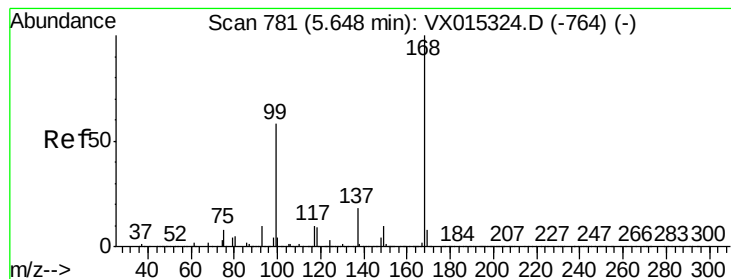
Instrument :
MSVOA_X
Client Sampled :
VSTDIC020

Manual Integrations
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#1

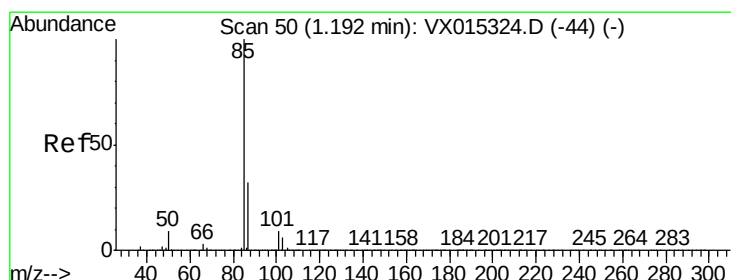
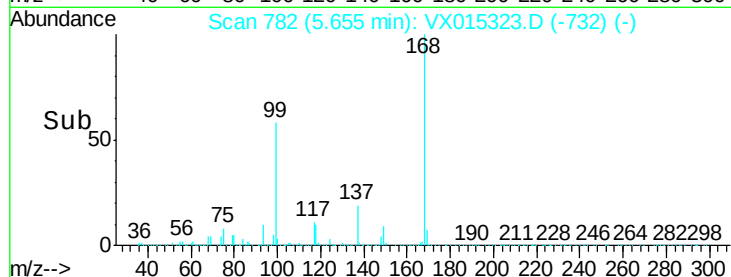
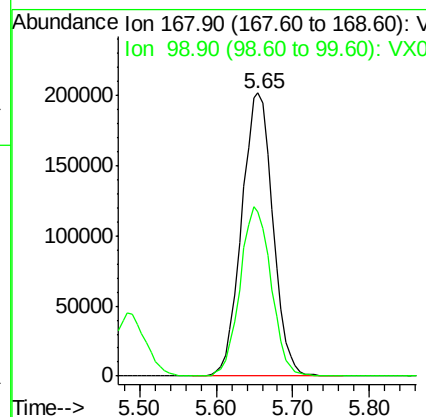
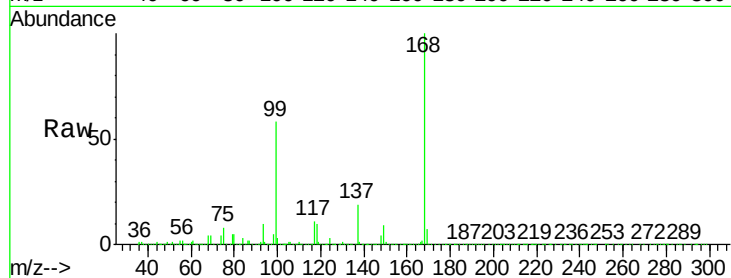
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX015323.D
 Acq: 18 Mar 2020 13:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
168	100		
99	58.0	47.0	70.6

Manual Integrations
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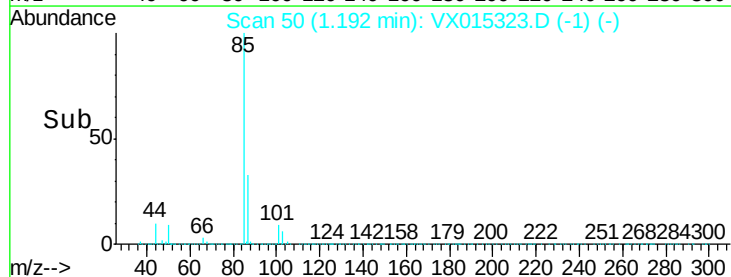
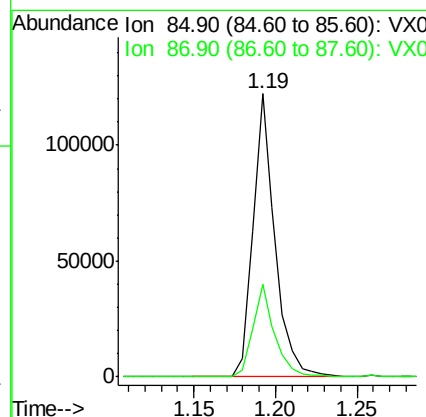
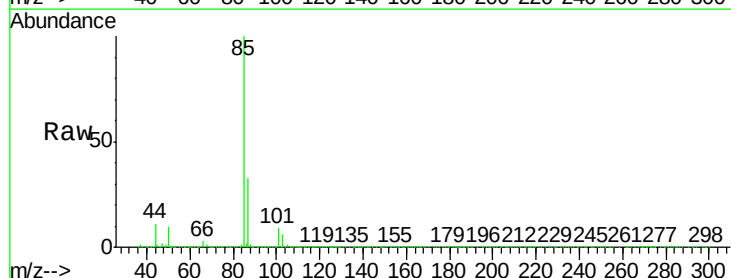
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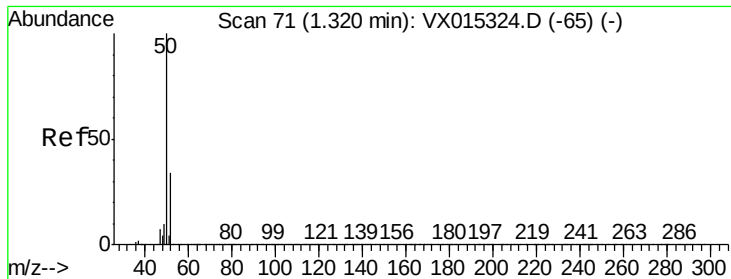


#2

Dichlorodifluoromethane
 Concen: 22.040 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VX015323.D
 Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.2	48.5





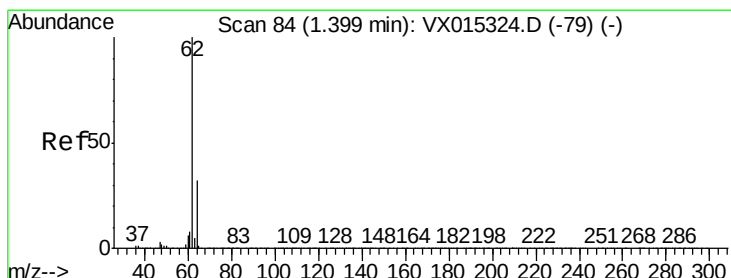
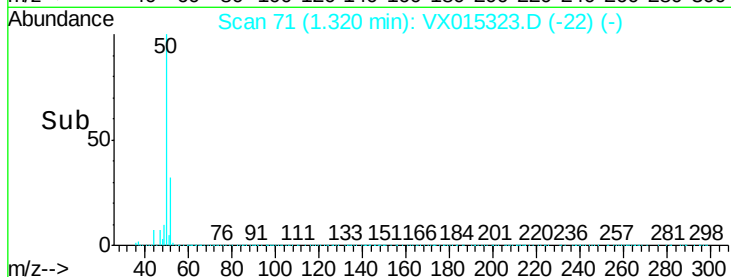
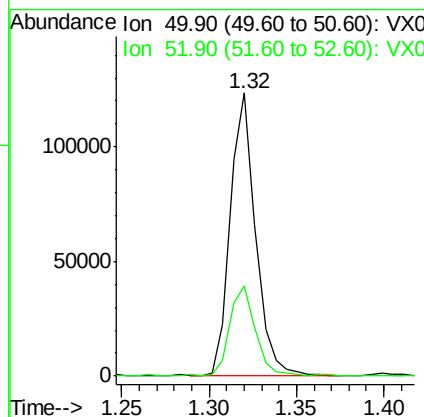
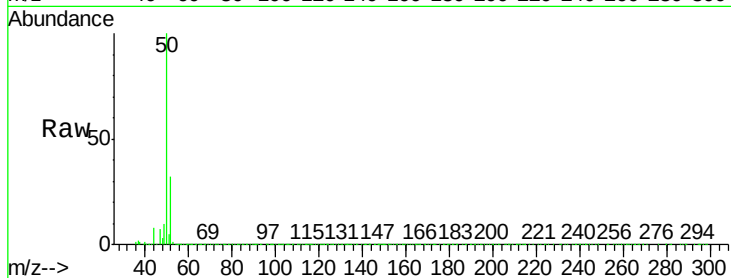
#3
Chloromethane
Concen: 17.586 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
50	100		
52	31.7	27.4	41.0

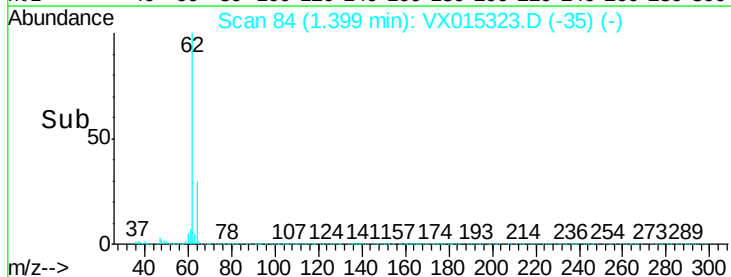
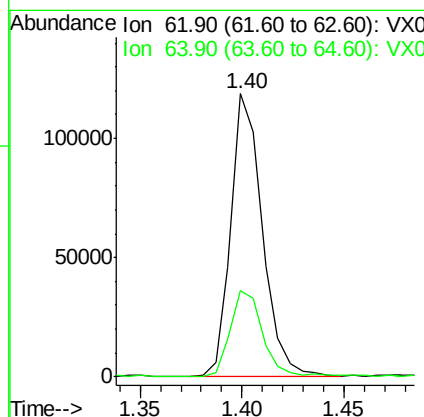
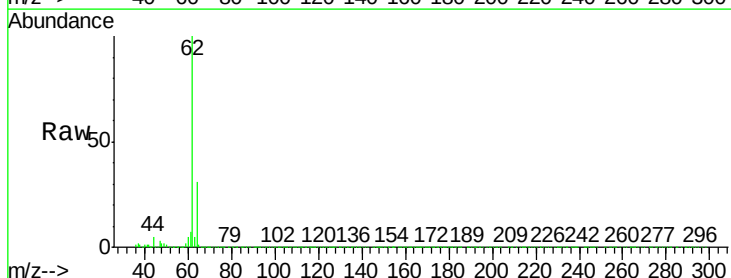
Manual Integrations
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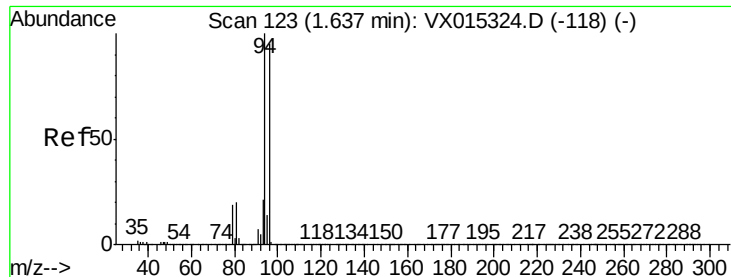
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#4
Vinyl Chloride
Concen: 17.565 ug/l
RT: 1.40 min Scan# 84
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
62	100		
64	30.2	25.4	38.0





#5

Bromomethane

Concen: 16.515 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 66640

Ion Ratio Lower Upper

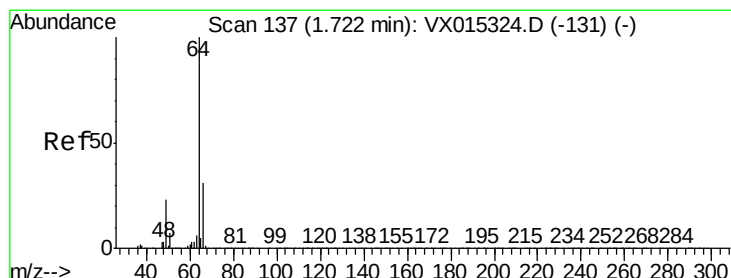
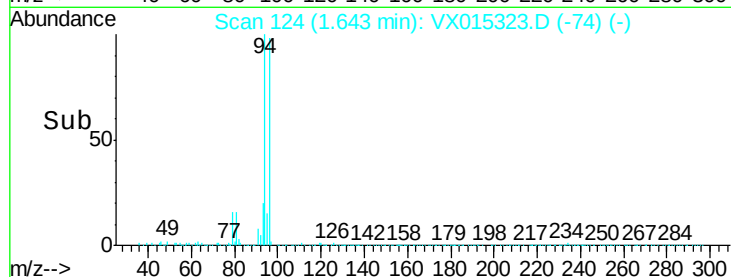
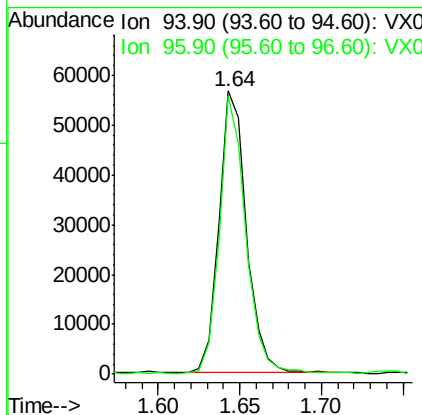
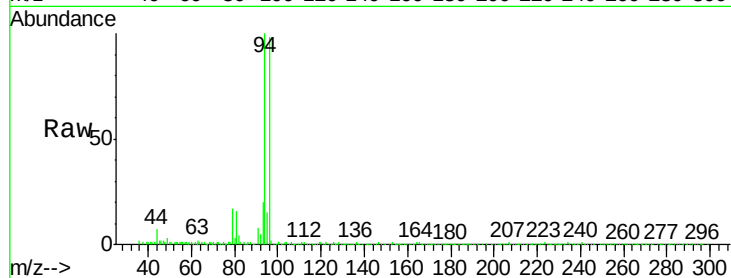
94 100

96 97.9 76.5 114.7

Manual Integrations
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#6

Chloroethane

Concen: 18.340 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.00 min

Lab File: VX015323.D

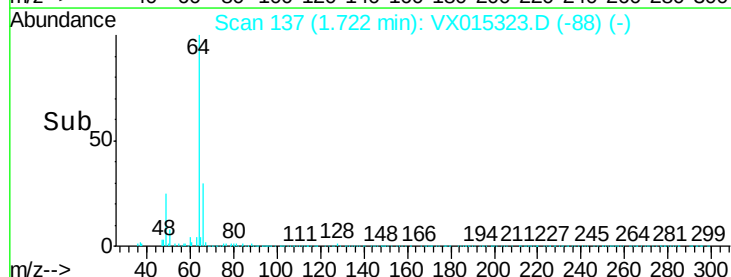
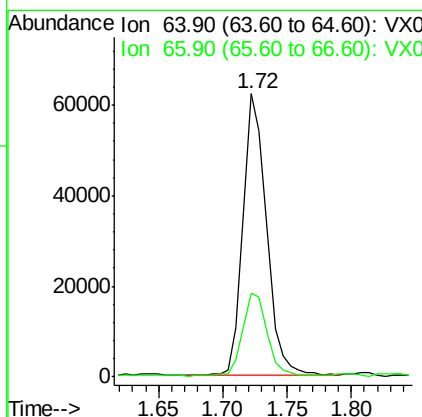
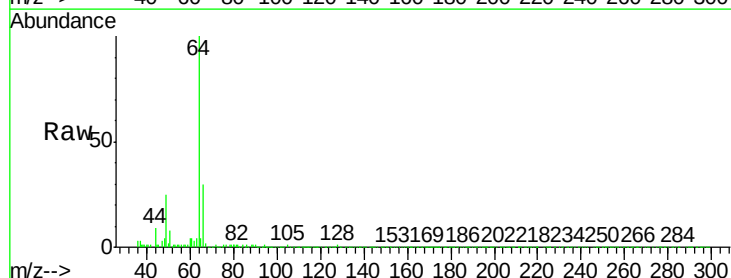
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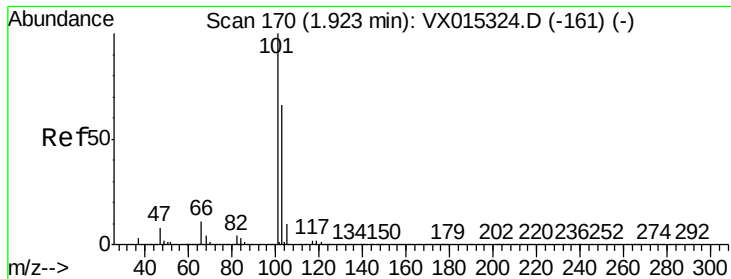
Tgt Ion: 64 Resp: 78841

Ion Ratio Lower Upper

64 100

66 29.5 24.8 37.2





#7

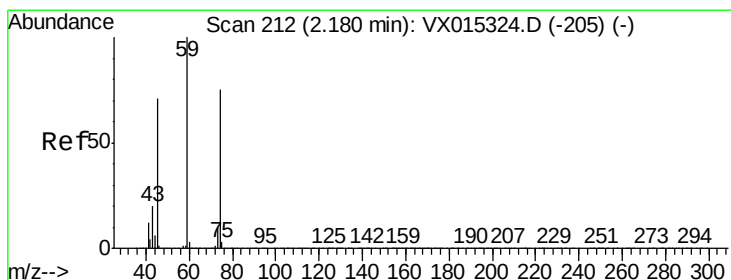
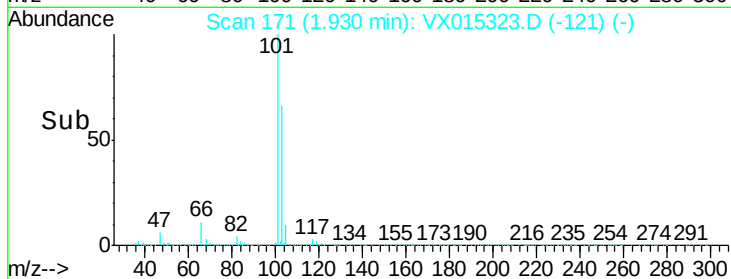
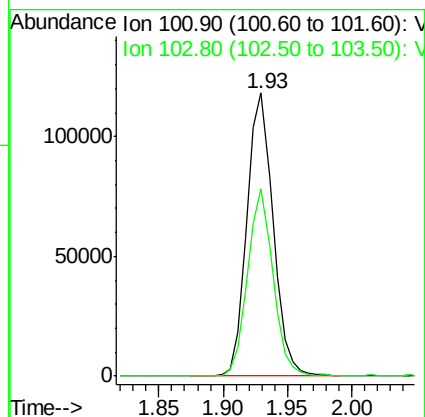
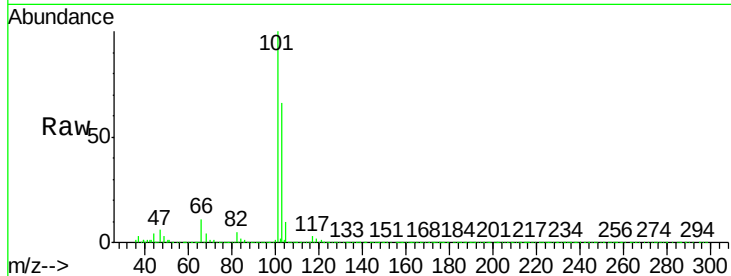
Trichlorofluoromethane
Concen: 19.202 ug/l
RT: 1.93 min Scan# 171
Delta R.T. 0.01 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	52.6	79.0

Manual Integrations
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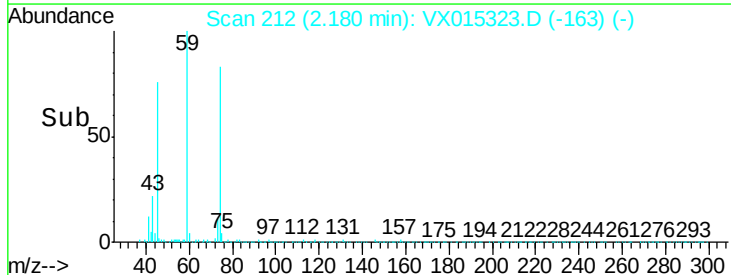
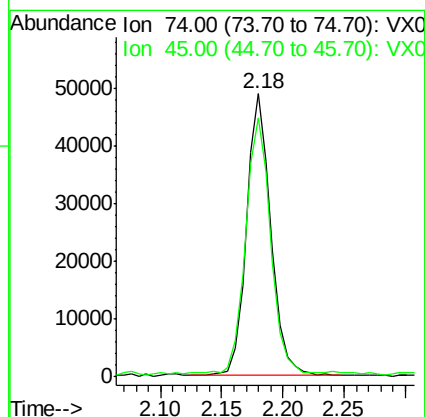
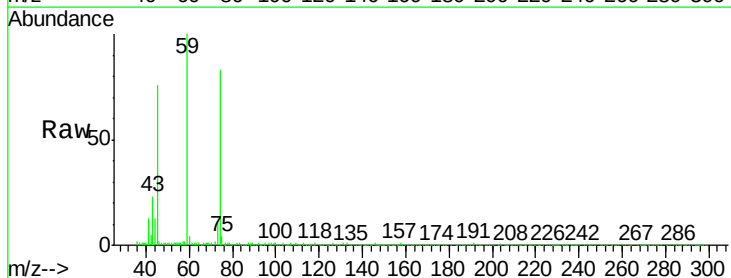
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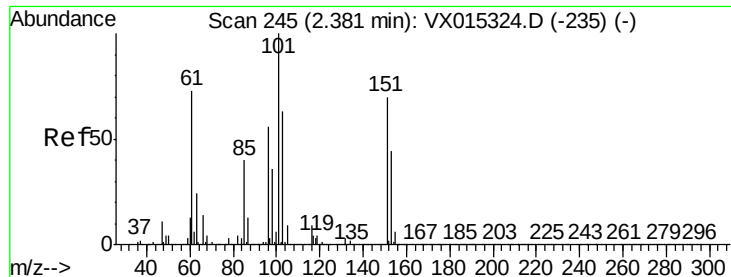


#8

Diethyl Ether
Concen: 17.434 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.5	46.5	139.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.544 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.00 min

Lab File: VX015323.D

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Instrument :

MSVOA_X

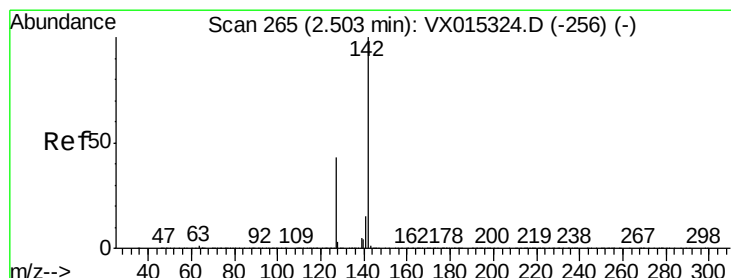
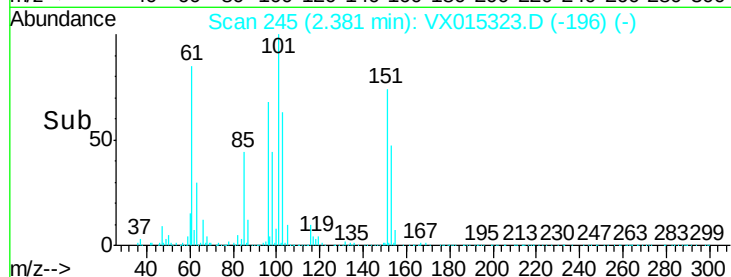
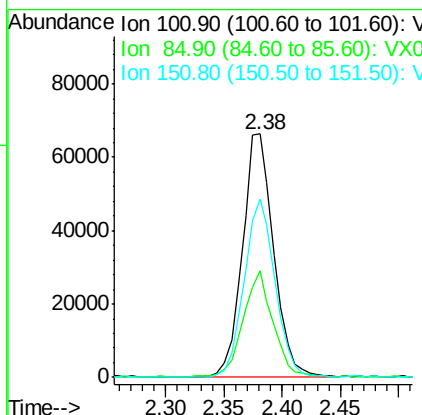
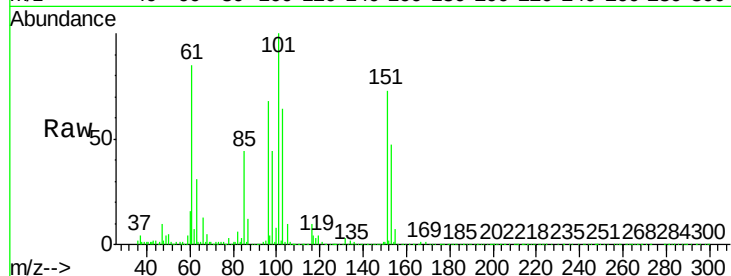
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	123517
Ion Ratio	Lower	Upper	
101	100		
85	41.6	32.2	48.4
151	72.5	55.0	82.6

Manual Integrations
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#10

Methyl Iodide

Concen: 21.583 ug/l

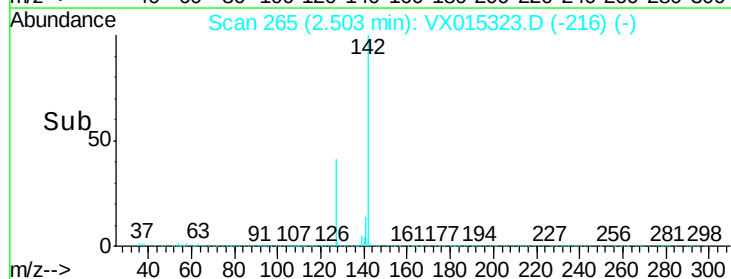
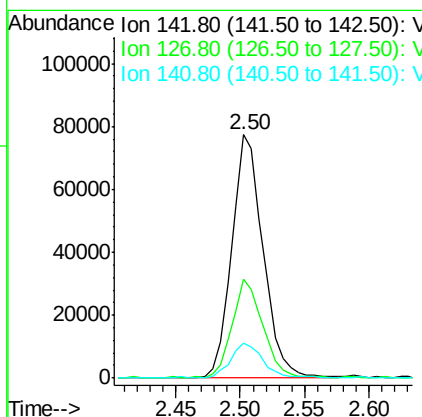
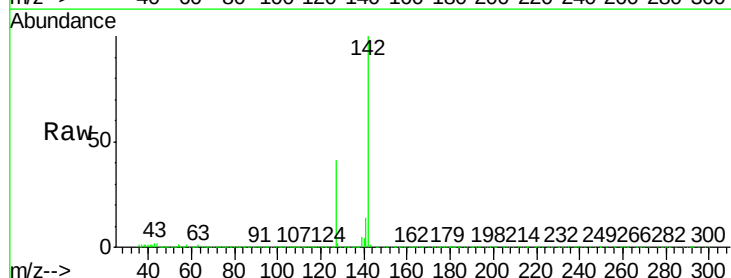
RT: 2.50 min Scan# 265

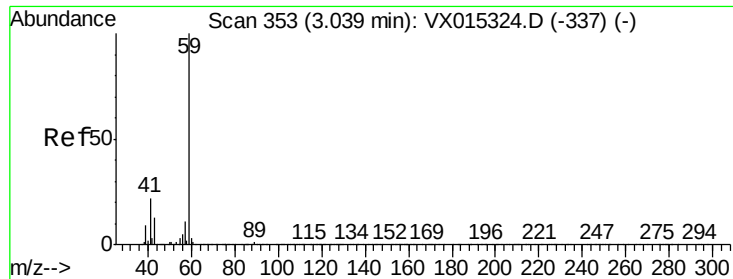
Delta R.T. 0.00 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Tgt Ion:	142	Resp:	131333
Ion Ratio	Lower	Upper	
142	100		
127	40.1	33.6	50.4
141	15.0	11.9	17.9





#11

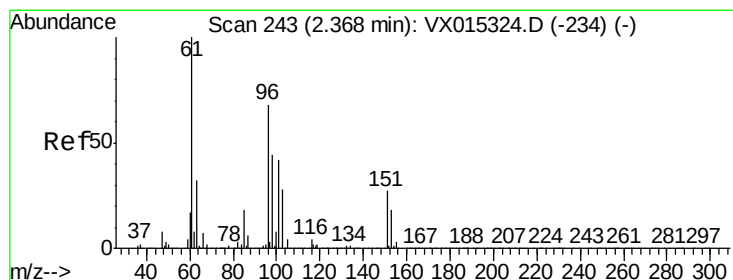
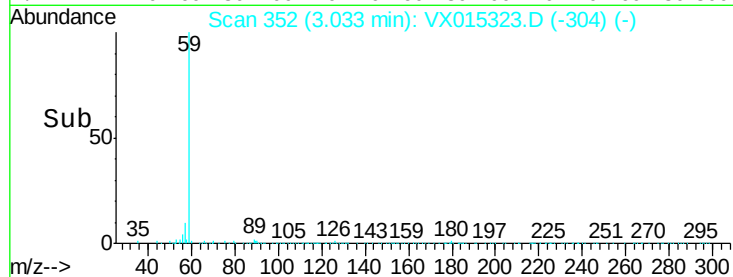
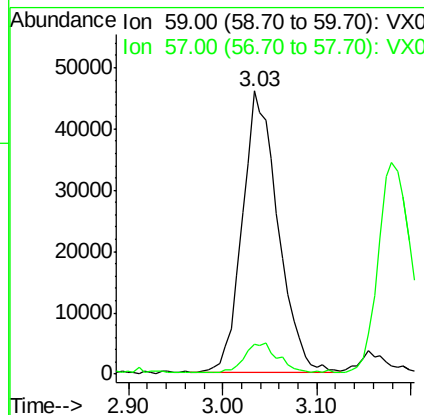
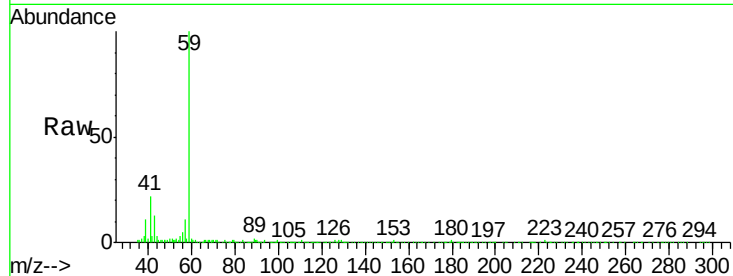
Tert butyl alcohol
Concen: 100.016 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.0	12.0

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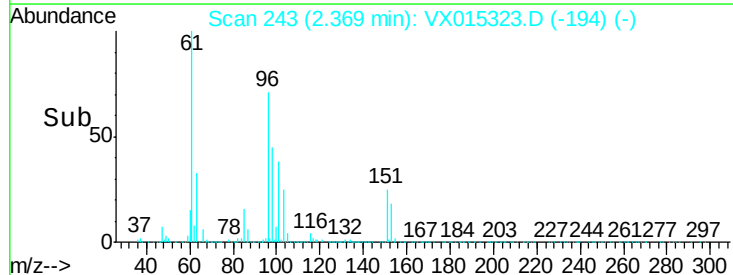
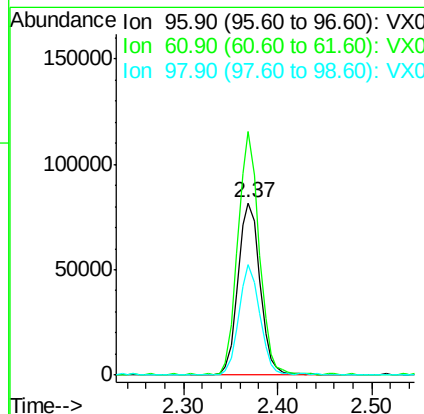
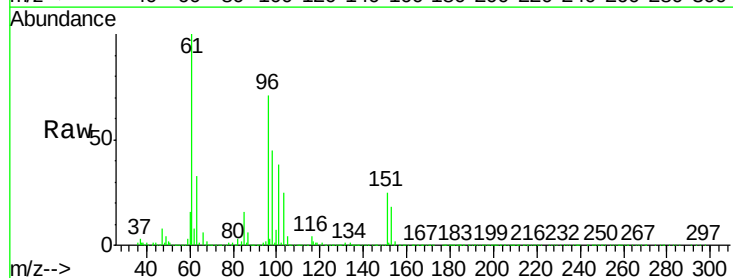
MMDadoda
3/19/2020 12:00:51 PM

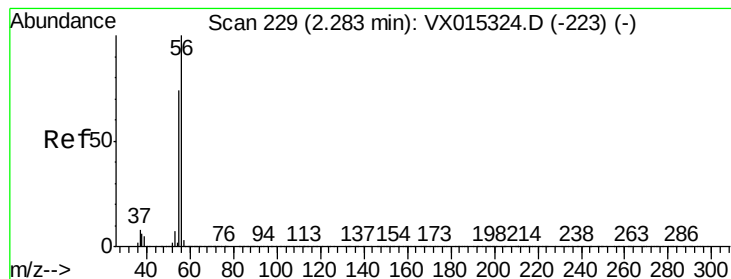


#12

1,1-Dichloroethene
Concen: 23.358 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.3	117.7	176.5
98	63.9	52.3	78.5





#13

Acrolein

Concen: 103.568 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 117347

Ion Ratio Lower Upper

56 100

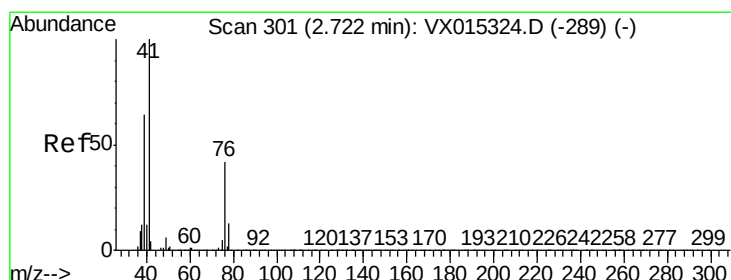
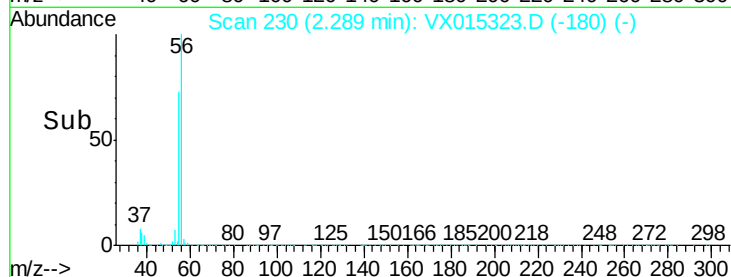
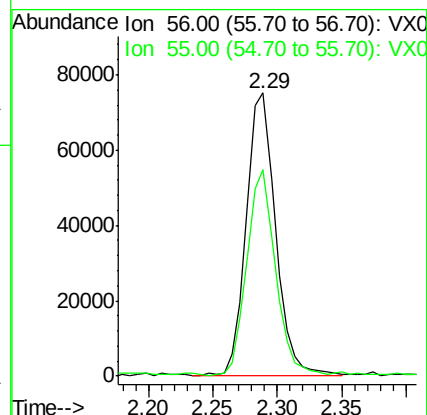
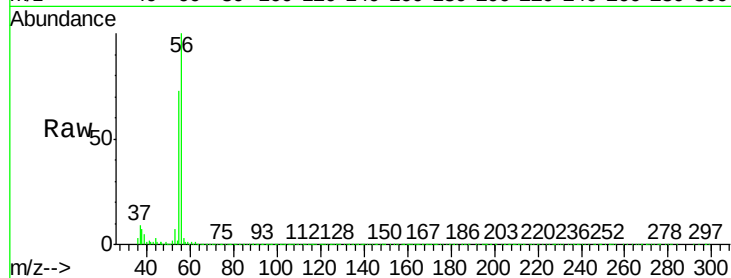
55 72.5 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 19.592 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.00 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

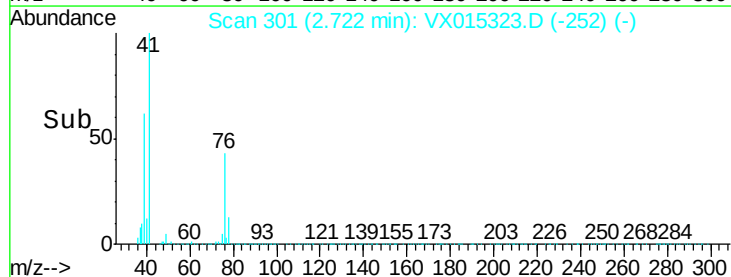
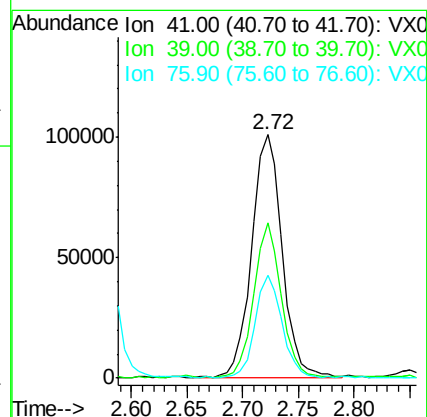
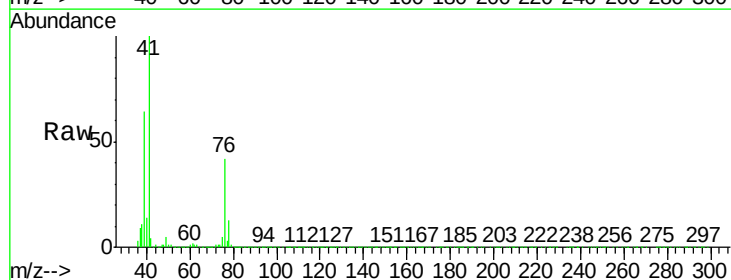
Tgt Ion: 41 Resp: 191646

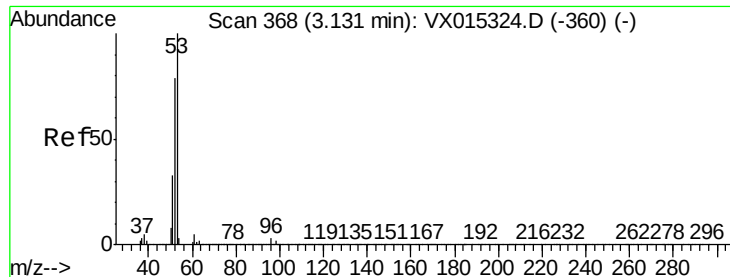
Ion Ratio Lower Upper

41 100

39 59.2 46.8 70.2

76 36.7 30.7 46.1





#15

Acrylonitrile

Concen: 109.306 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_X

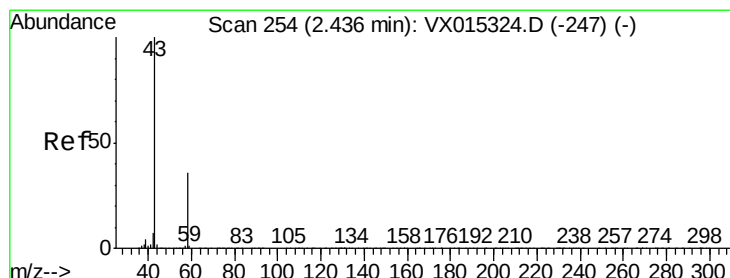
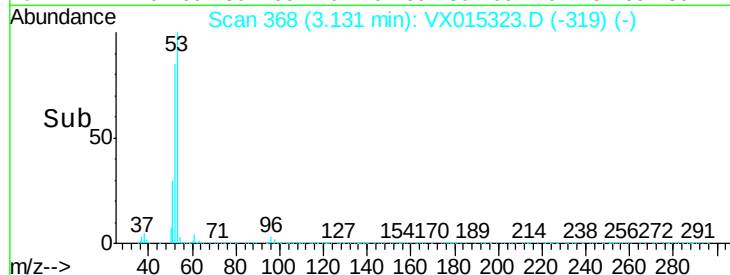
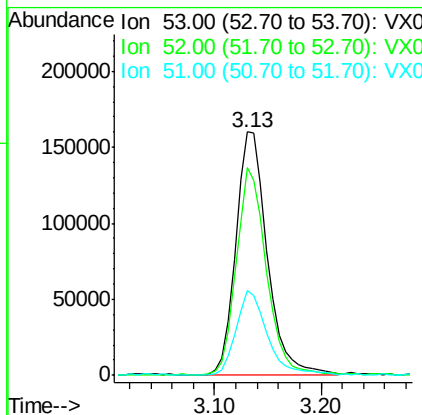
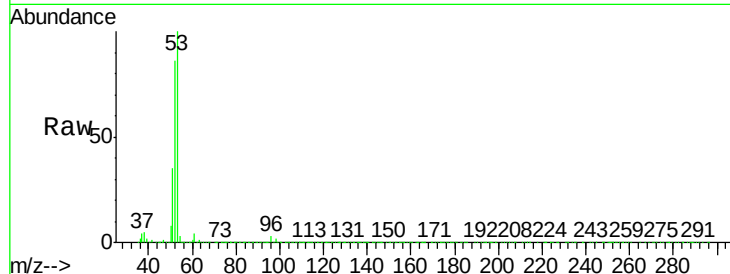
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	332151
Ion Ratio	Lower	Upper	
53	100		
52	81.2	64.6	97.0
51	34.7	27.5	41.3

Manual Integrations
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#16

Acetone

Concen: 98.626 ug/l

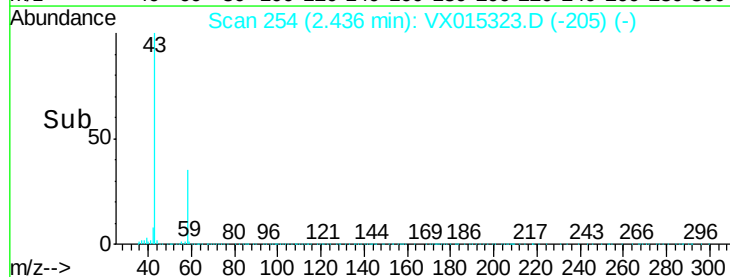
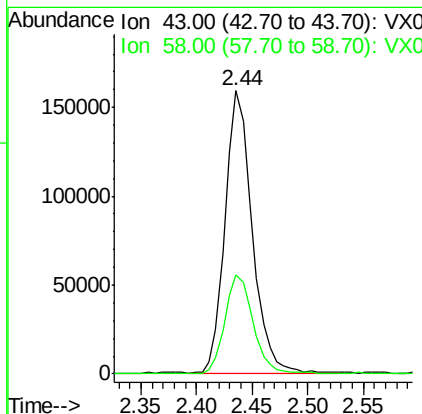
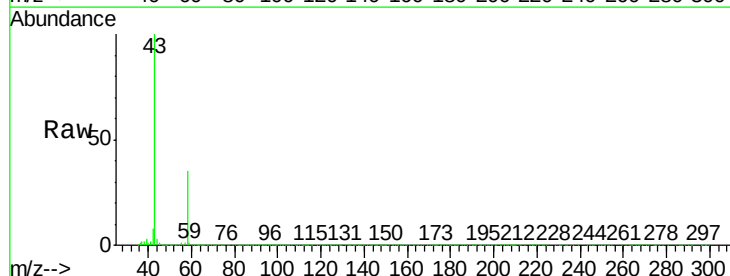
RT: 2.44 min Scan# 254

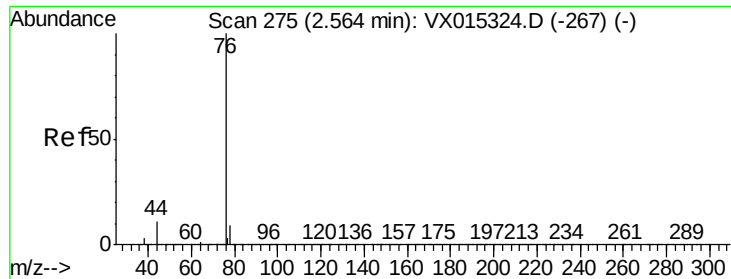
Delta R.T. 0.00 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Tgt Ion:	43	Resp:	268470
Ion Ratio	Lower	Upper	
43	100		
58	34.9	29.0	43.4





#17

Carbon Disulfide

Concen: 22.383 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.00 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 354010

Ion Ratio Lower Upper

76 100

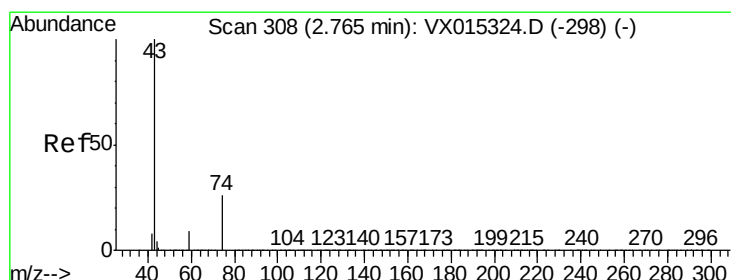
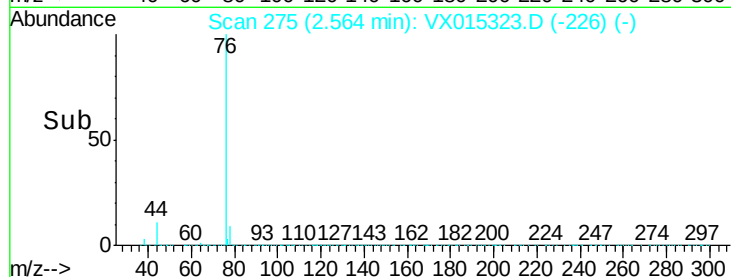
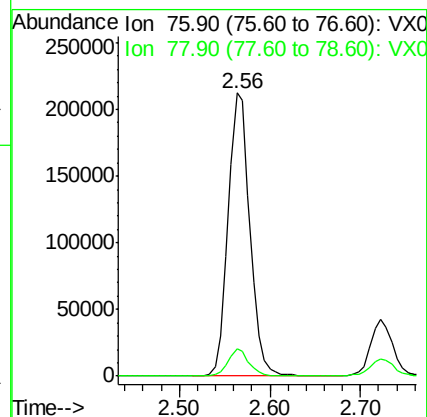
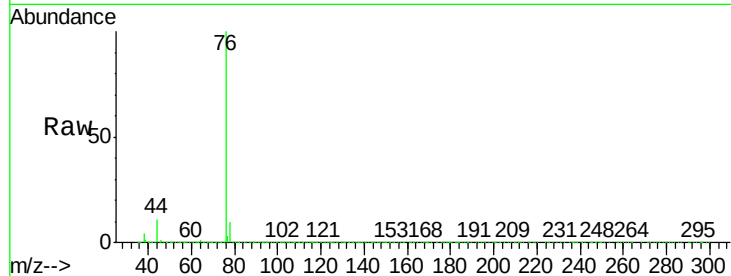
78 9.4 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 19.795 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX015323.D

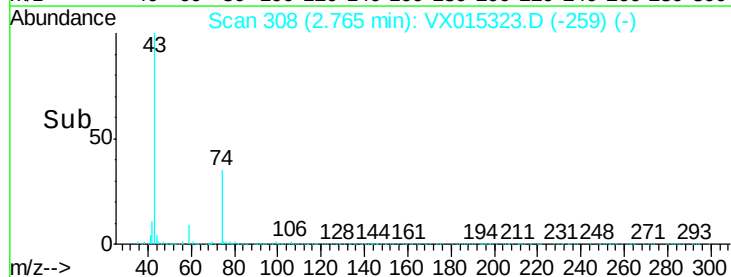
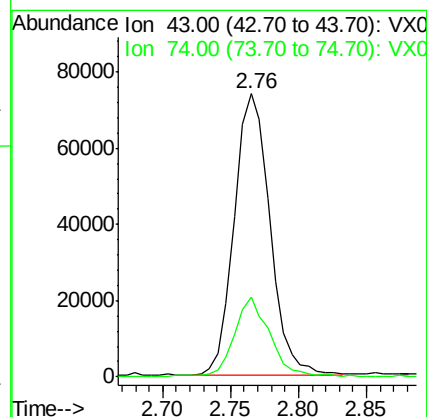
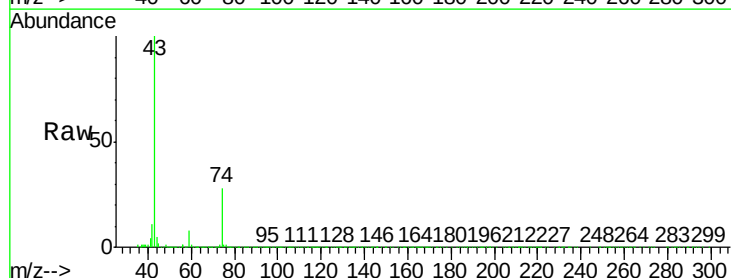
Acq: 18 Mar 2020 13:24

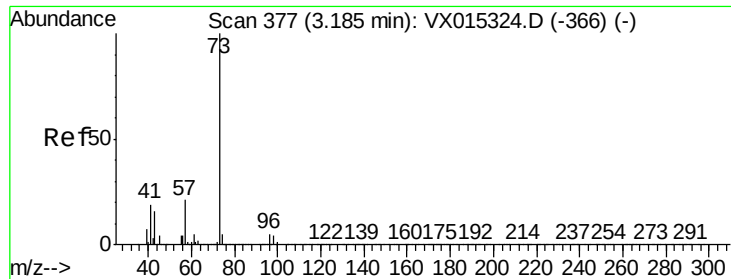
Tgt Ion: 43 Resp: 135170

Ion Ratio Lower Upper

43 100

74 28.9 21.9 32.9





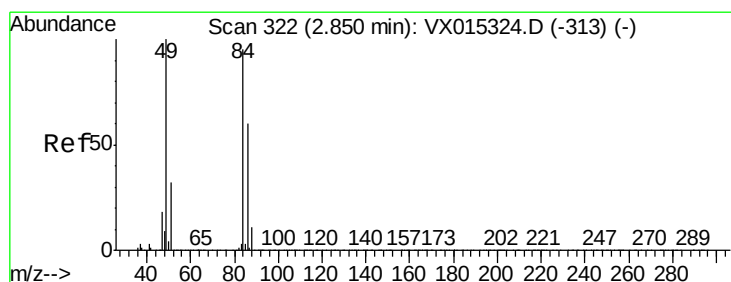
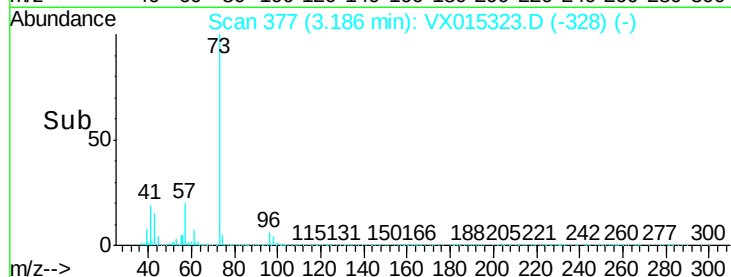
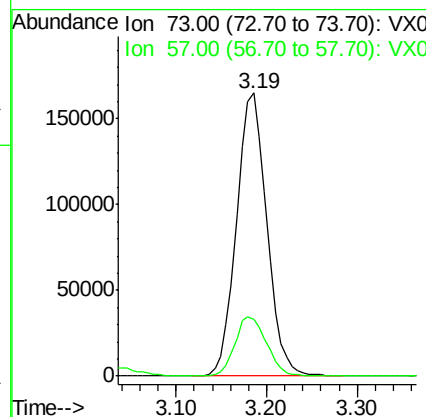
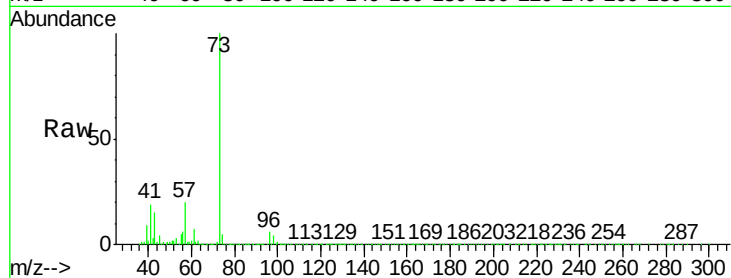
#19
Methyl tert-butyl Ether
Concen: 21.316 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.9	16.8	25.2

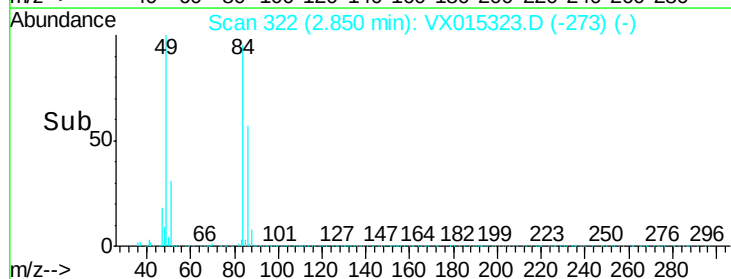
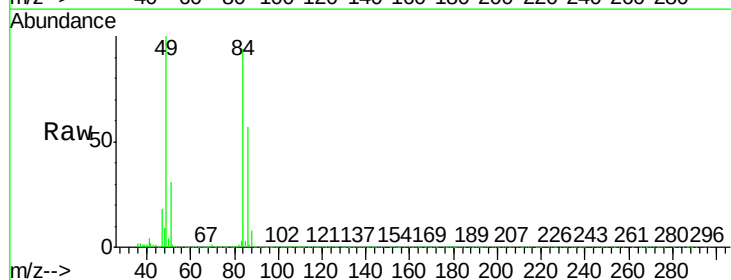
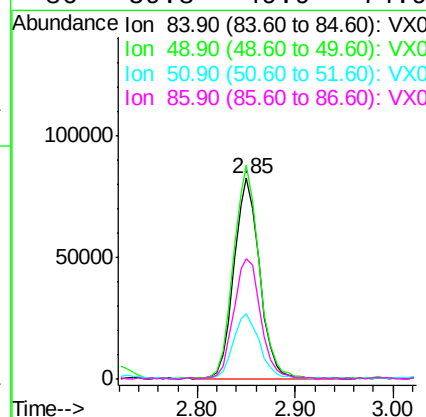
Manual Integrations
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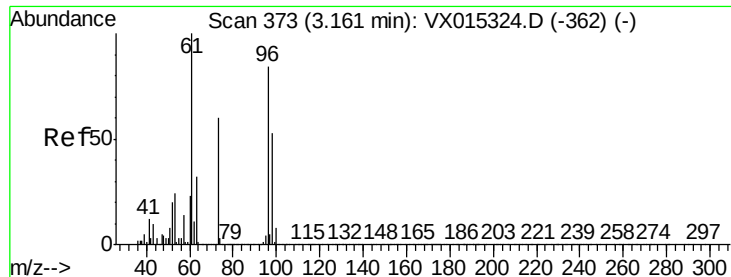
MMDadoda
3/19/2020 12:00:51 PM



#20
Methylene Chloride
Concen: 22.434 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	106.1	84.0	126.0
51	32.3	27.0	40.6
86	59.8	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 22.741 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_X

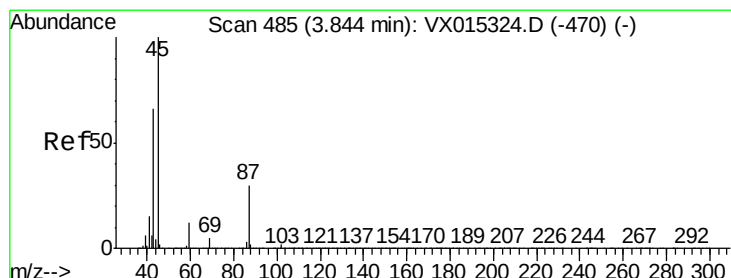
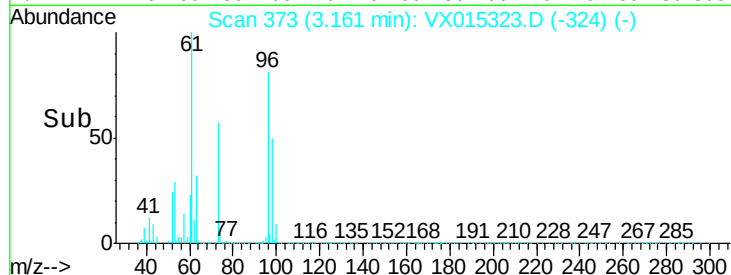
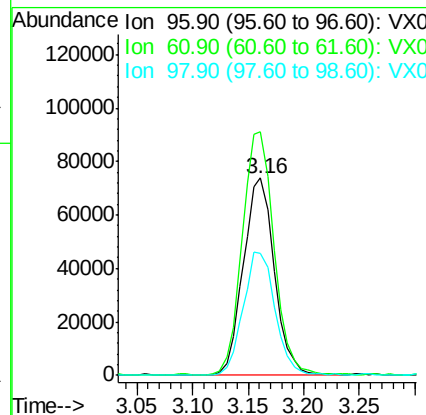
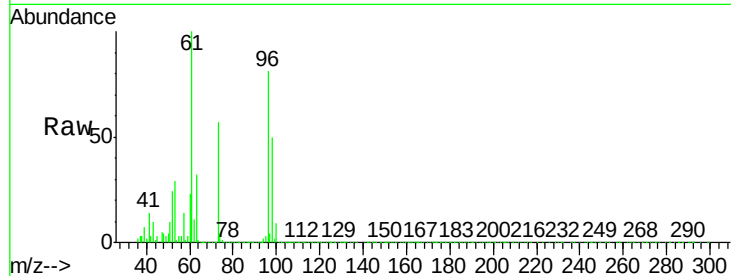
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	142177
Ion Ratio	Lower	Upper	
96	100		
61	123.3	95.5	143.3
98	61.6	50.2	75.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.395 ug/l

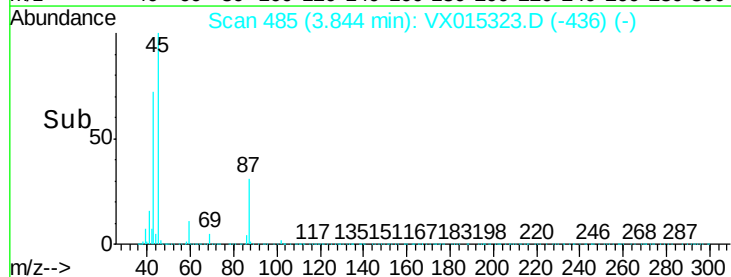
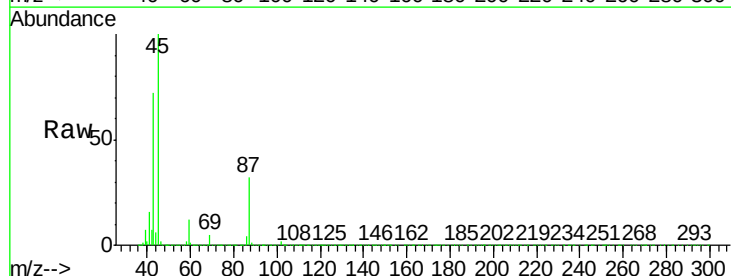
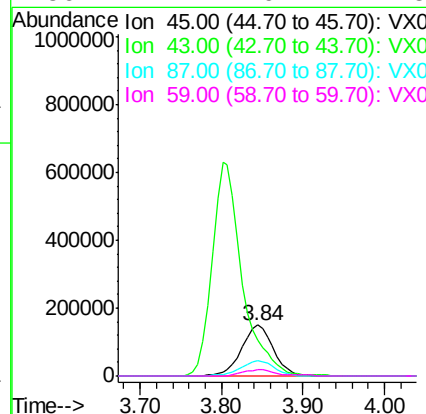
RT: 3.84 min Scan# 485

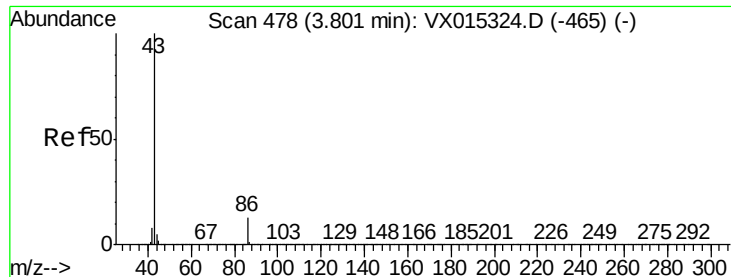
Delta R.T. 0.00 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Tgt Ion:	45	Resp:	401210
Ion Ratio	Lower	Upper	
45	100		
43	71.0	52.8	79.2
87	31.4	24.3	36.5
59	11.4	9.7	14.5





#23

Vinyl Acetate

Concen: 100.604 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Tot Ion: 43 Resp: 1618091

Ion Ratio Lower Upper

43 100

86 11.9 10.1 15.1

Instrument :

MSVOA_X

ClientSampleId :

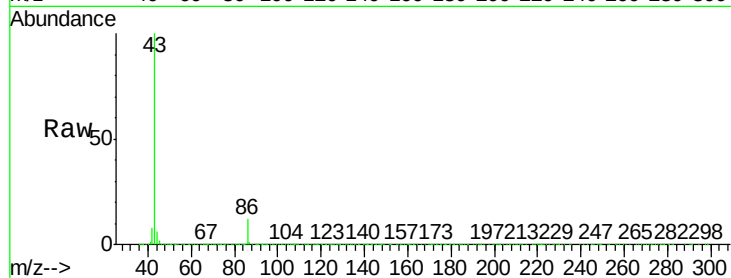
VSTDIC020

Manual Integrations

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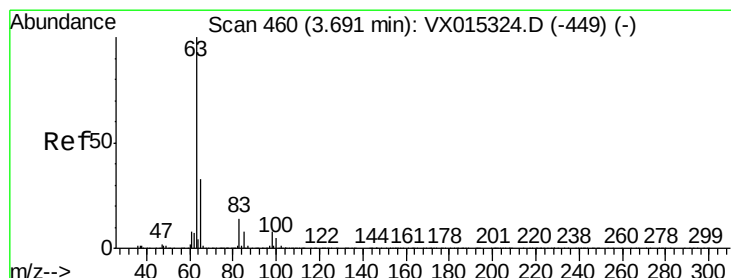
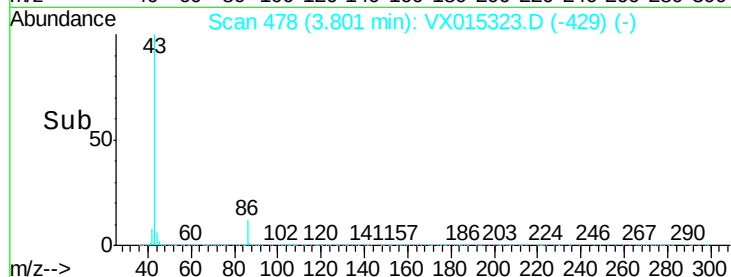
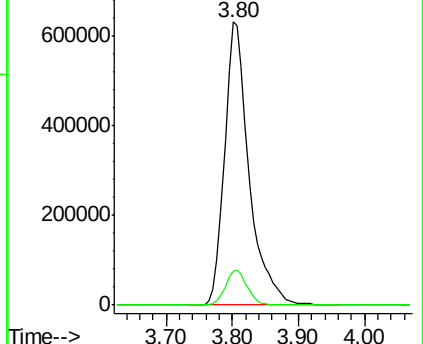
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.861 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.00 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

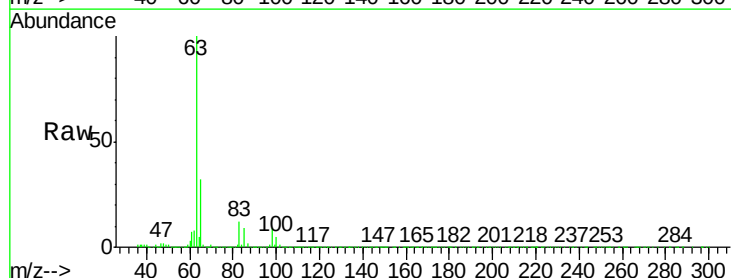
Tgt Ion: 63 Resp: 230135

Ion Ratio Lower Upper

63 100

98 8.4 3.9 11.7

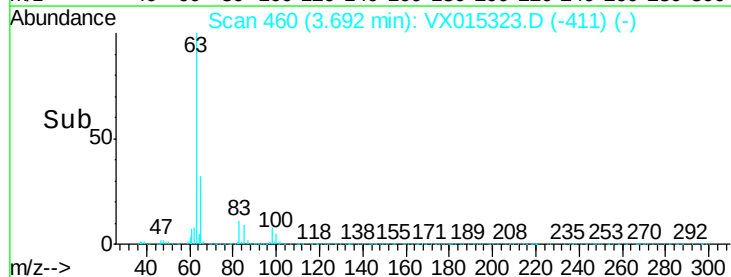
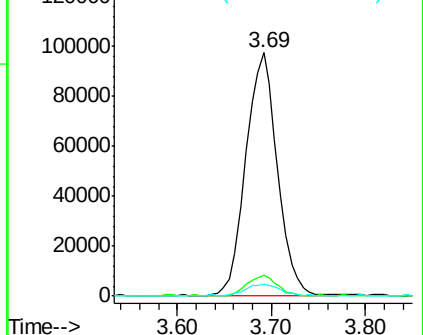
100 5.0 2.4 7.2

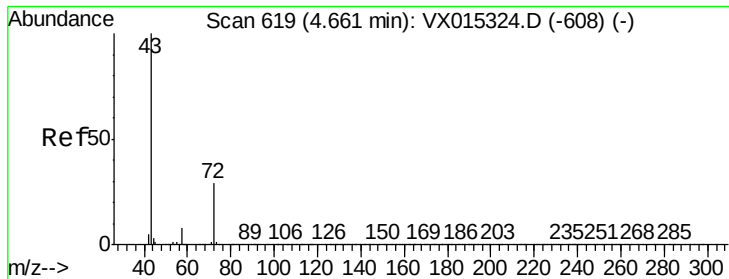


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 102.972 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Tot Ion: 43 Resp: 418705

Ion Ratio Lower Upper

43 100

72 28.3 23.1 34.7

Instrument :

MSVOA_X

ClientSampleId :

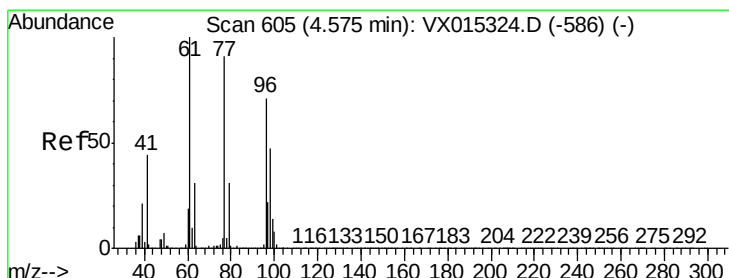
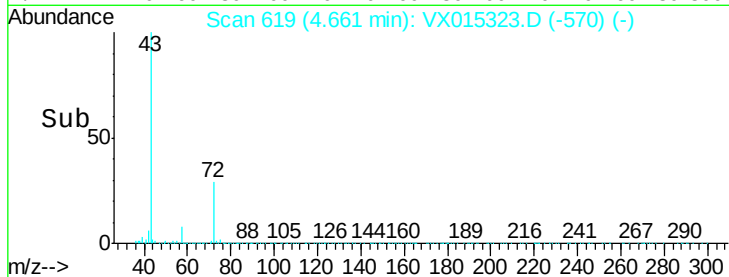
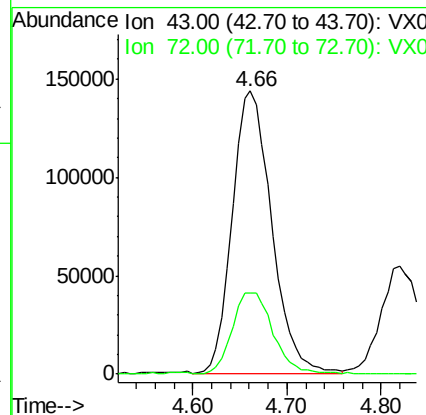
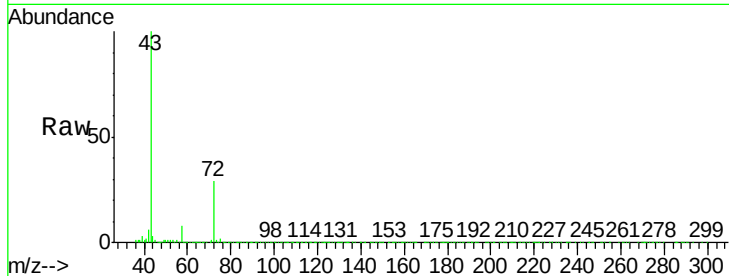
VSTDIC020

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.571 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.00 min

Lab File: VX015323.D

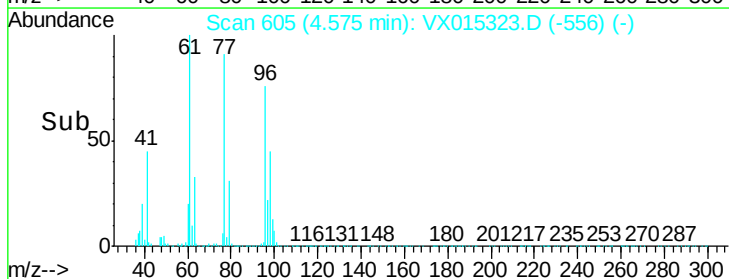
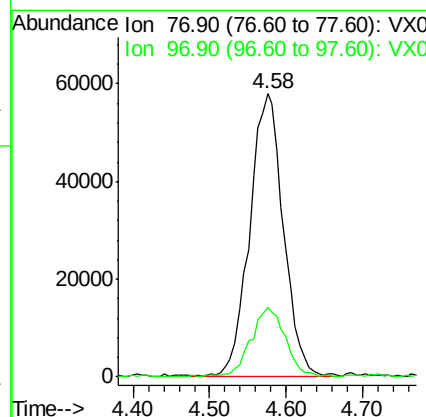
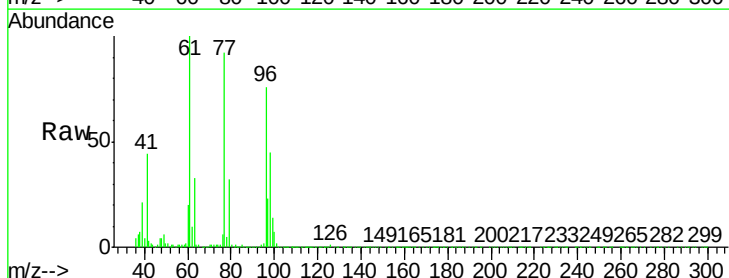
Acq: 18 Mar 2020 13:24

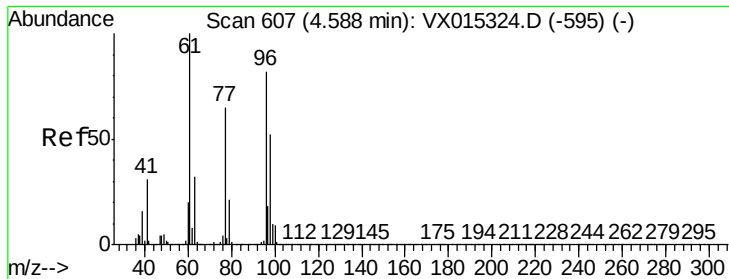
Tgt Ion: 77 Resp: 178694

Ion Ratio Lower Upper

77 100

97 24.5 13.0 38.9





#27

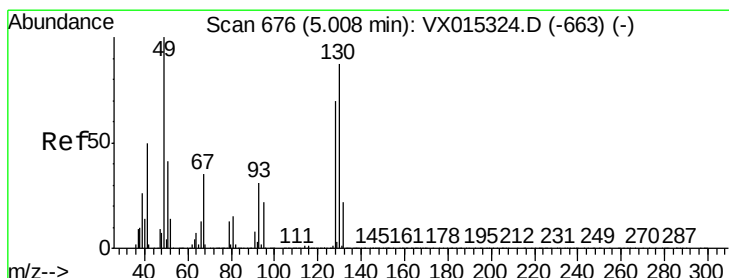
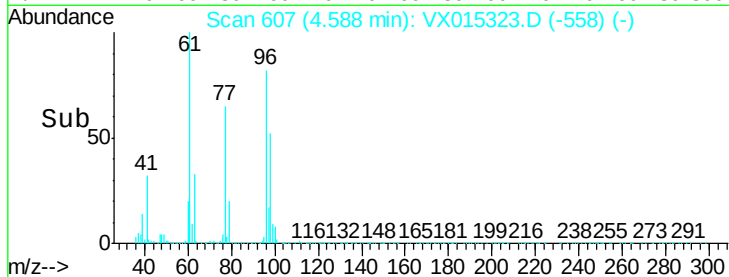
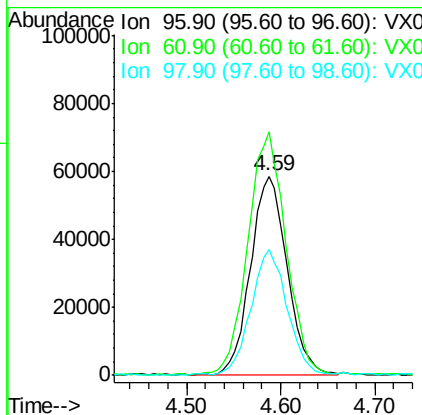
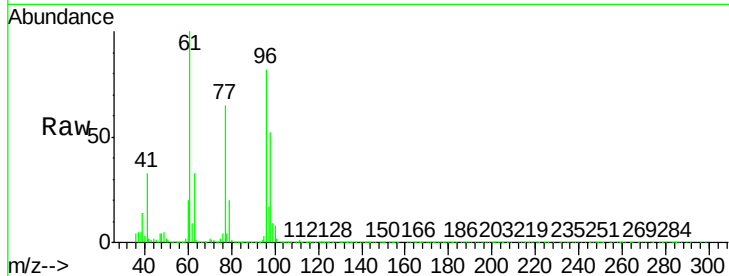
cis-1,2-Dichloroethene
Concen: 22.942 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		159118		
61	126.8	0.0	255.8		
98	61.5	0.0	128.8		

Manual Integrations
APPROVED

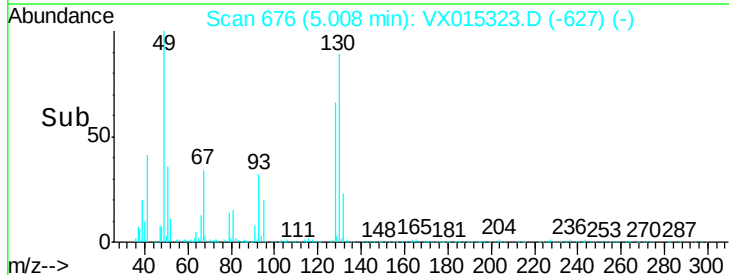
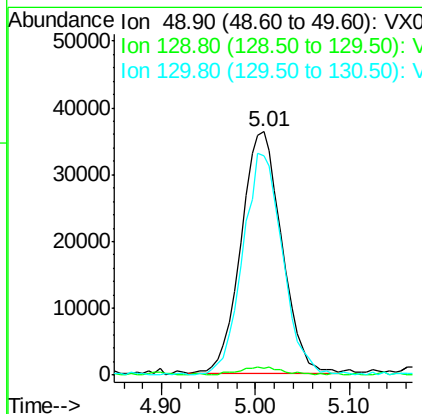
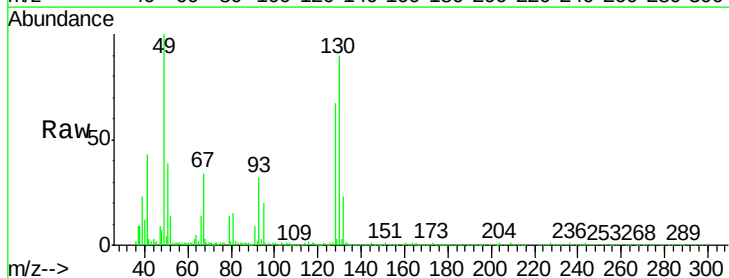
MMDadoda
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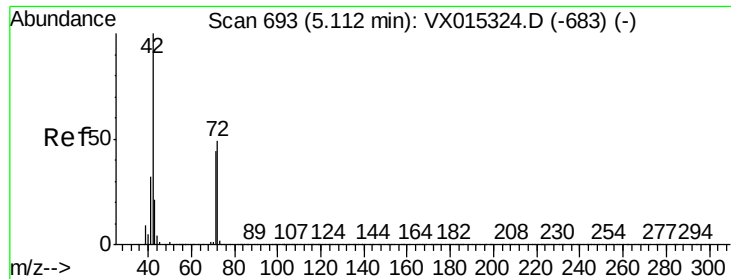


#28

Bromochloromethane
Concen: 22.322 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		110069		
129	3.7	0.0	5.4		
130	89.9	69.9	104.9		





#29

Tetrahydrofuran

Concen: 100.946 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_X

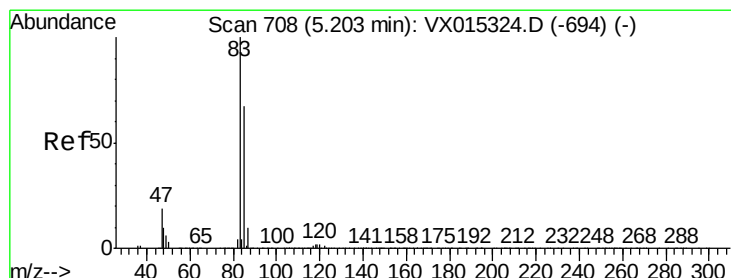
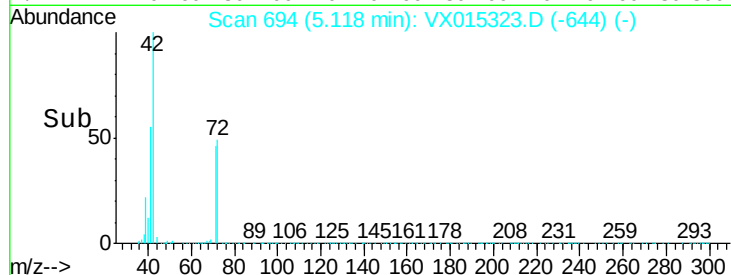
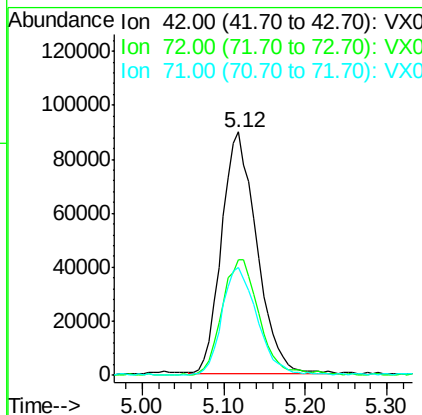
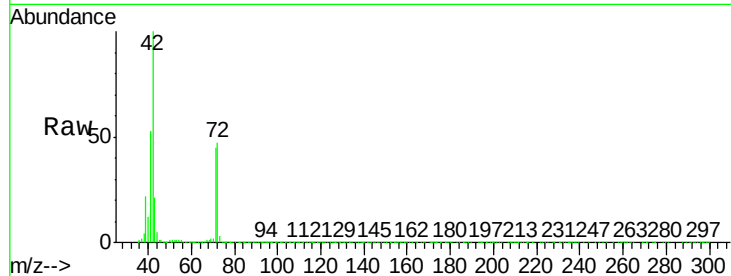
ClientSampleId :

VSTDIC020

Tot Ion:	42	Resp:	267214
Ion Ratio		Lower	Upper
42	100		
72	49.5	39.6	59.4
71	44.8	36.5	54.7

Manual Integrations
APPROVED

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#30

Chloroform

Concen: 21.734 ug/l

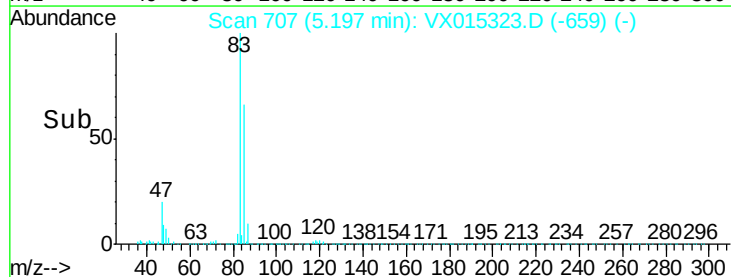
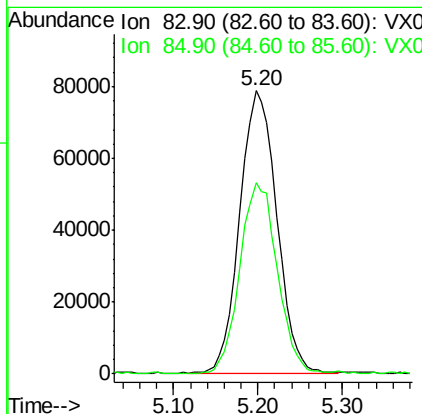
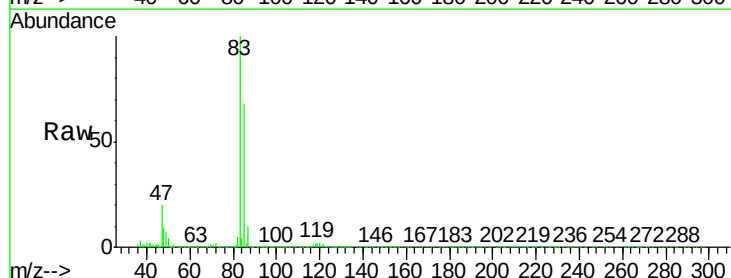
RT: 5.20 min Scan# 707

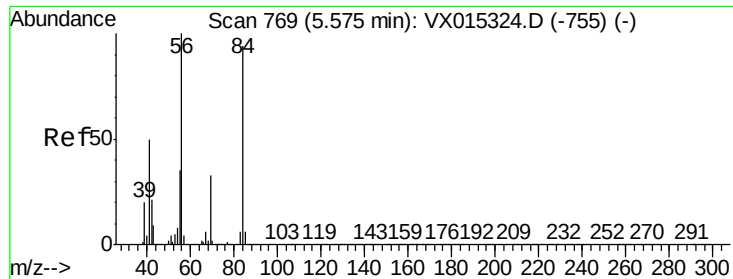
Delta R.T. -0.01 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Tgt Ion:	83	Resp:	235008
Ion Ratio		Lower	Upper
83	100		
85	67.8	53.8	80.6





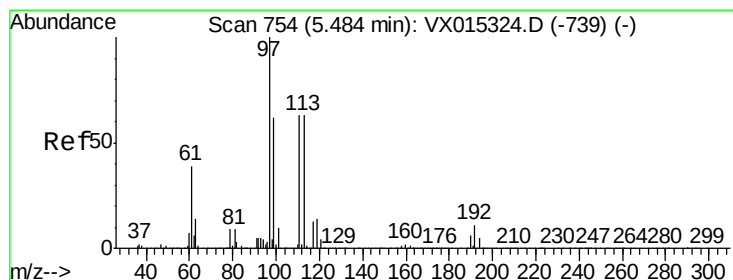
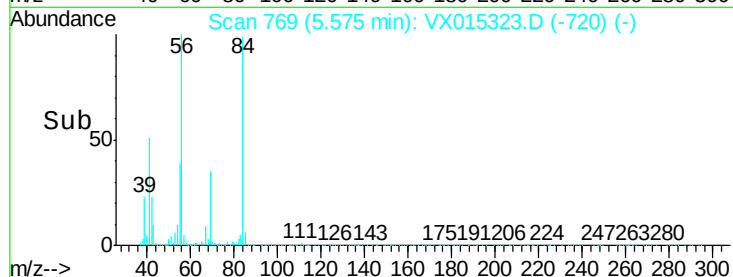
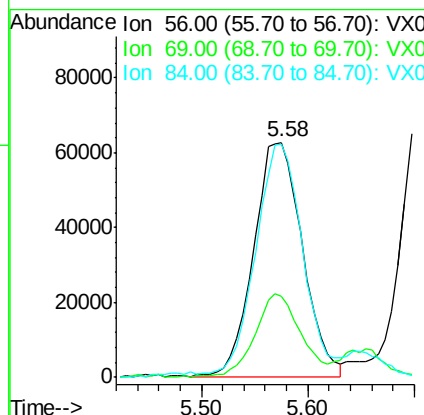
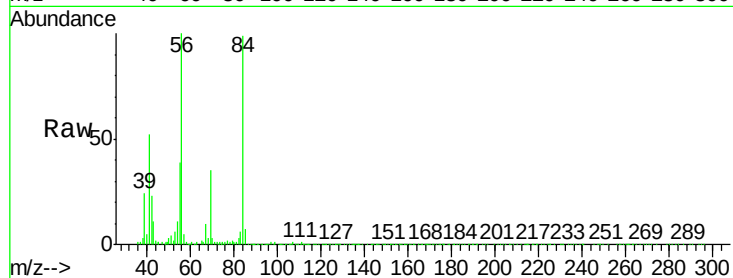
#31
Cyclohexane
Concen: 20.225 ug/l
RT: 5.58 min Scan# 769
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.4	26.2	39.4
84	97.1	75.2	112.8

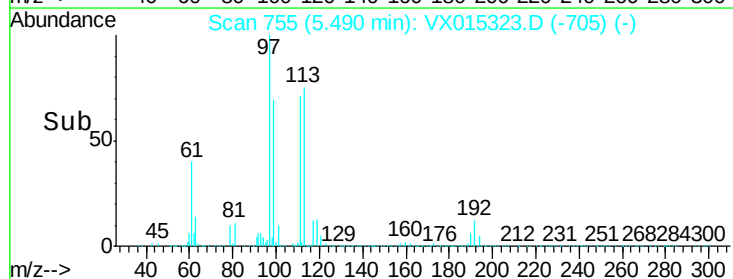
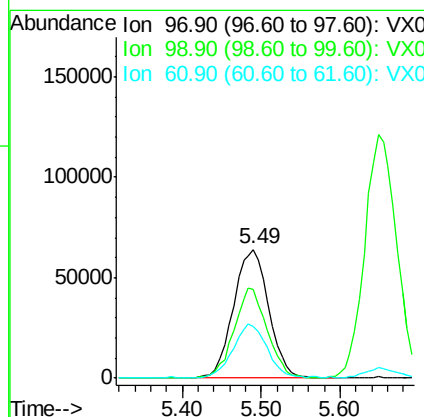
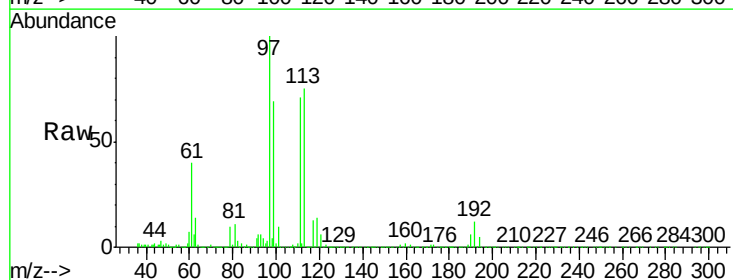
Manual Integrations
APPROVED

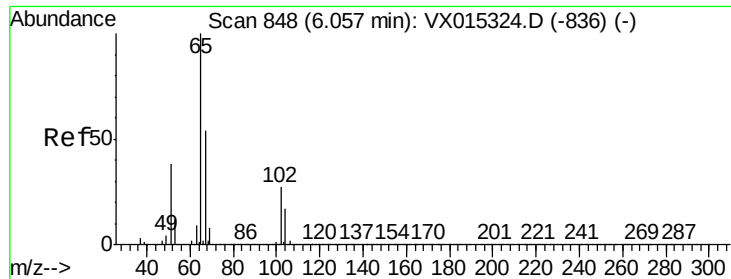
MMDadoda
3/19/2020 12:00:51 PM



#32
1,1,1-Trichloroethane
Concen: 21.849 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.2	51.4	77.0
61	41.8	31.7	47.5





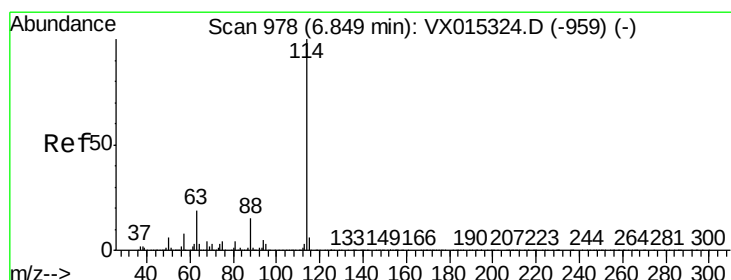
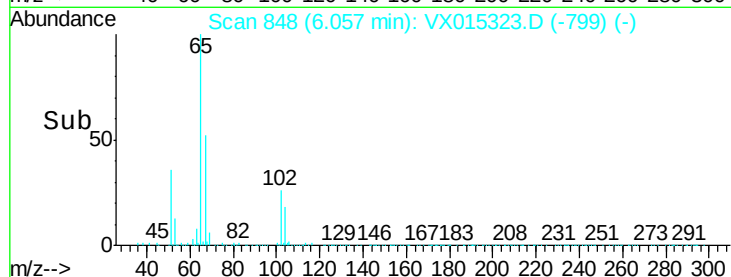
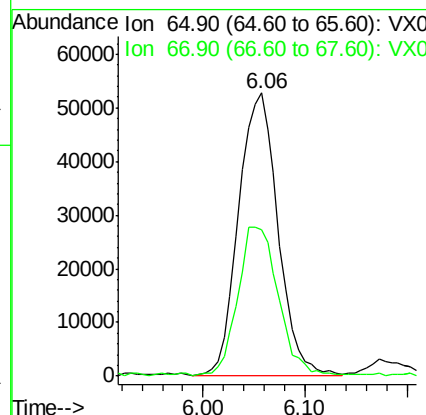
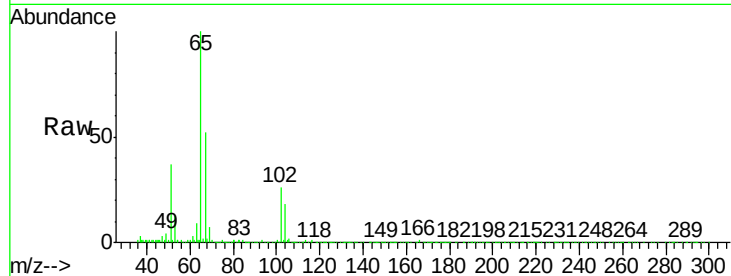
#33
 1,2-Dichloroethane-d4
 Concen: 20.521 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.00 min
 Lab File: VX015323.D
 Acq: 18 Mar 2020 13:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	140623		
67	53.8	0.0	108.6	

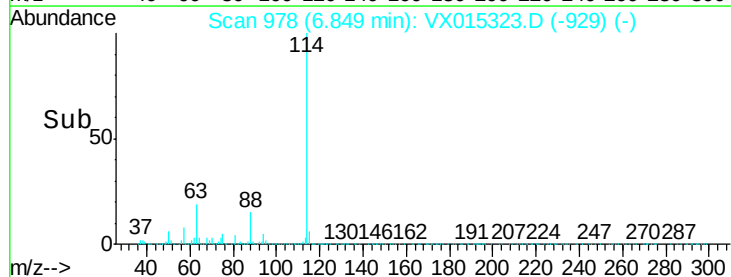
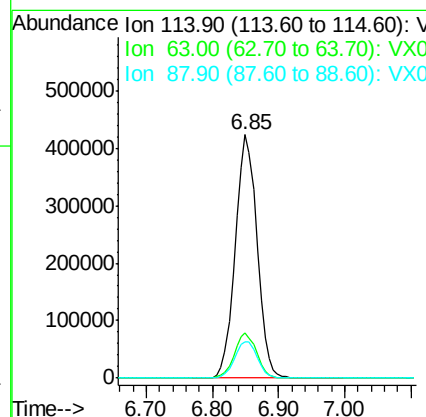
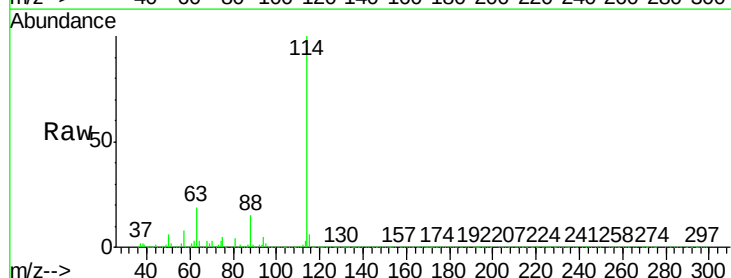
Manual Integrations
 APPROVED

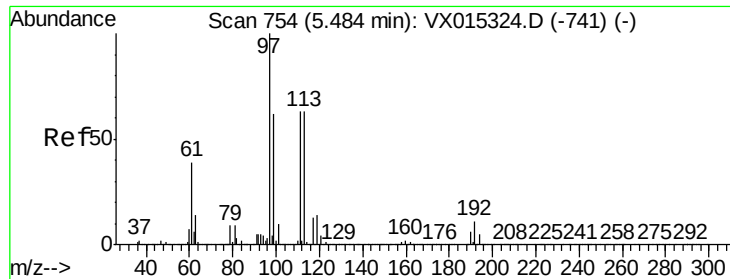
MMDadoda
 3/19/2020 12:00:51 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX015323.D
 Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	969203		
63	18.5	0.0	37.4	
88	14.6	0.0	30.0	





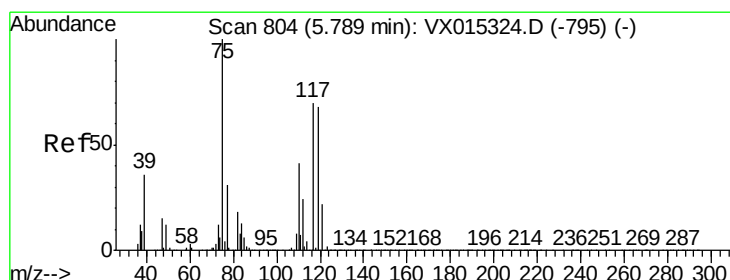
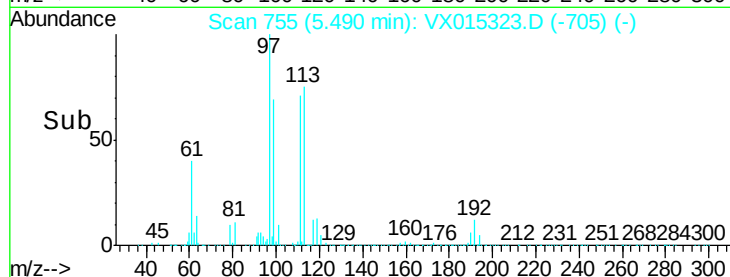
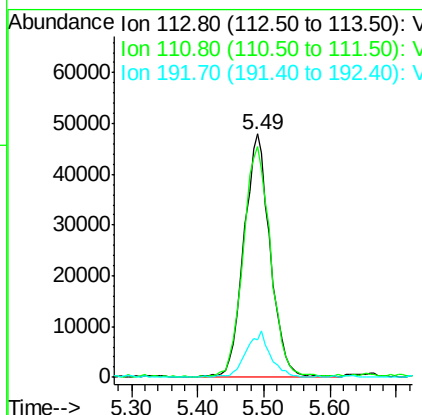
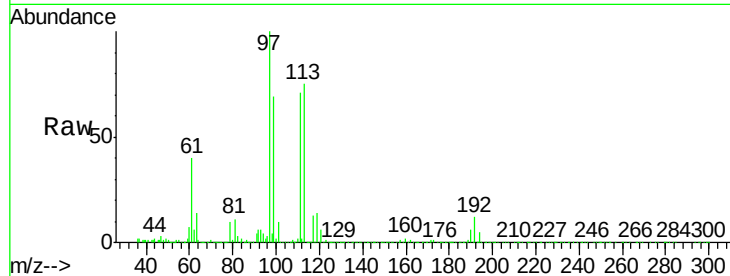
#35
Dibromofluoromethane
Concen: 21.488 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	132075		
111	98.1	82.5	123.7	
192	17.6	14.2	21.2	

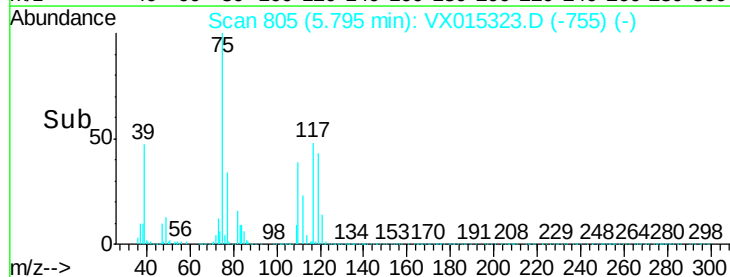
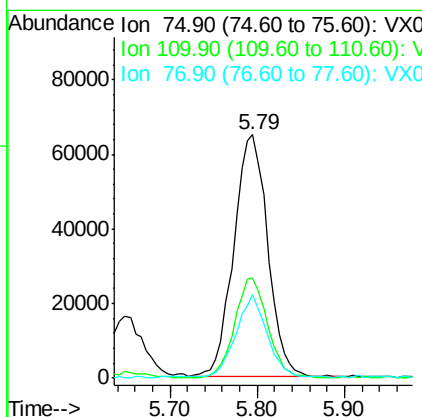
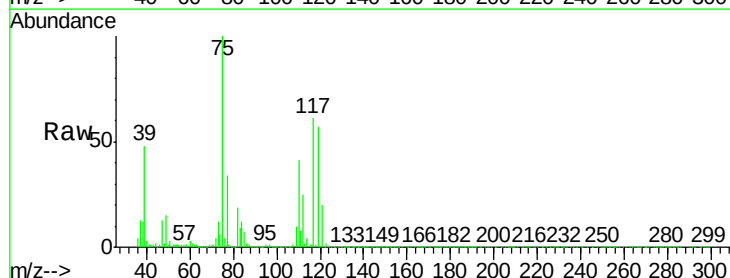
Manual Integrations
APPROVED

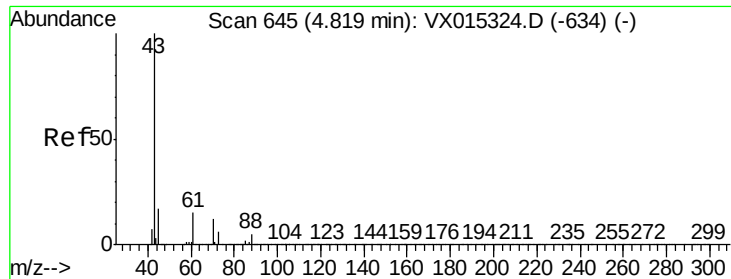
MMDadoda
3/19/2020 12:00:51 PM



#36
1,1-Dichloropropene
Concen: 19.488 ug/l
RT: 5.79 min Scan# 805
Delta R.T. 0.01 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	175382		
110	39.9	19.4	58.4	
77	30.8	24.6	37.0	





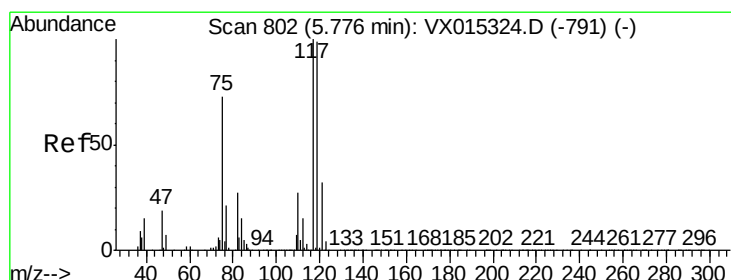
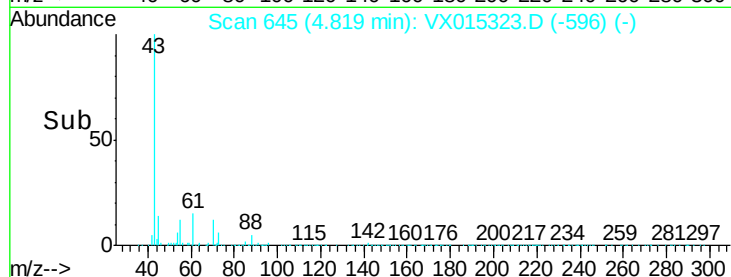
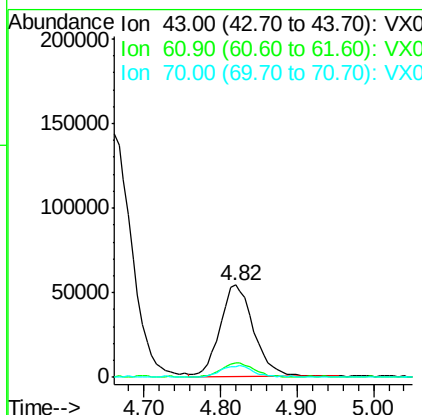
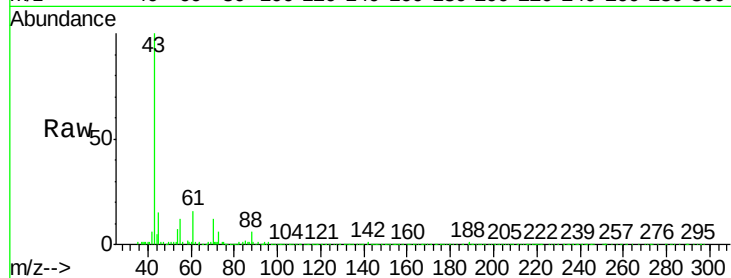
#37
Ethyl Acetate
Concen: 20.006 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	164265
Ion Ratio	Lower	Upper	
43	100		
61	15.0	12.2	18.2
70	11.3	9.8	14.6

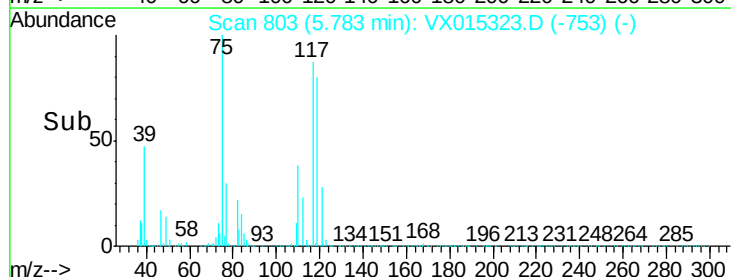
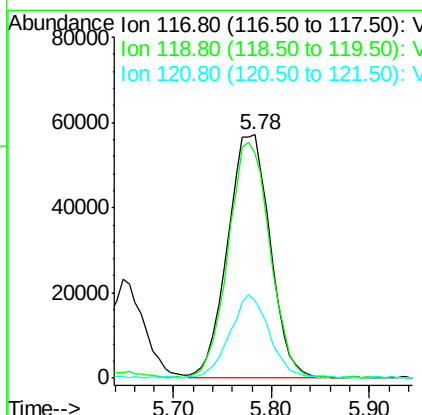
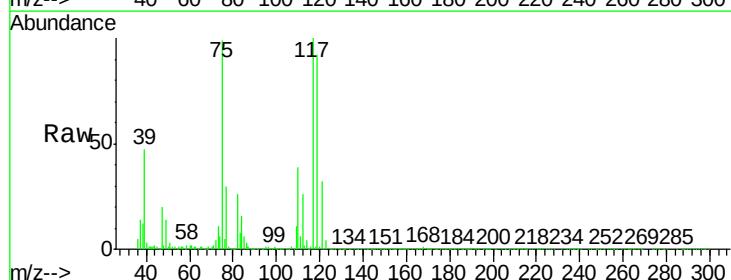
Manual Integrations
APPROVED

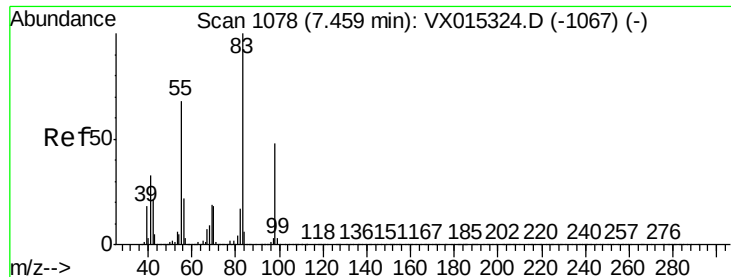
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.181 ug/l
RT: 5.78 min Scan# 803
Delta R.T. 0.01 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Tgt Ion	117	Resp	171930
Ion Ratio	Lower	Upper	
117	100		
119	92.0	79.3	118.9
121	31.2	25.4	38.0





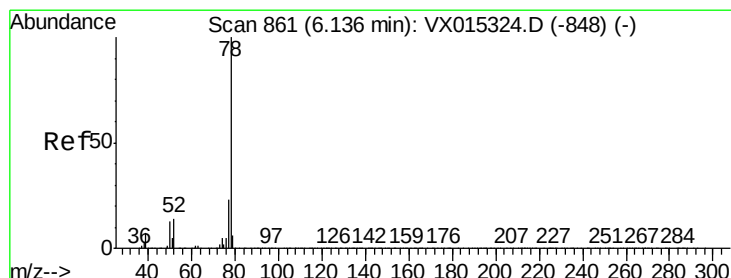
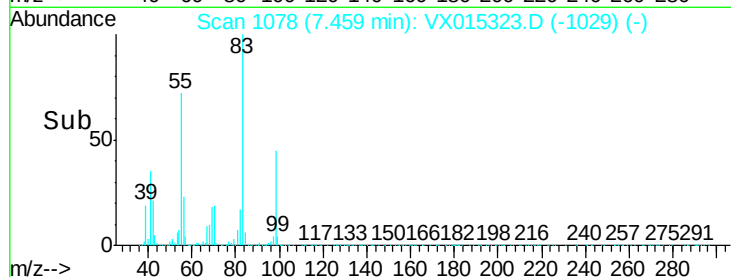
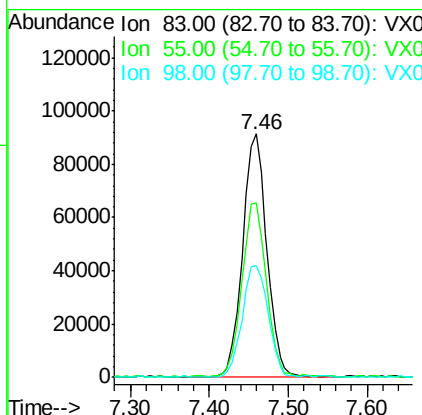
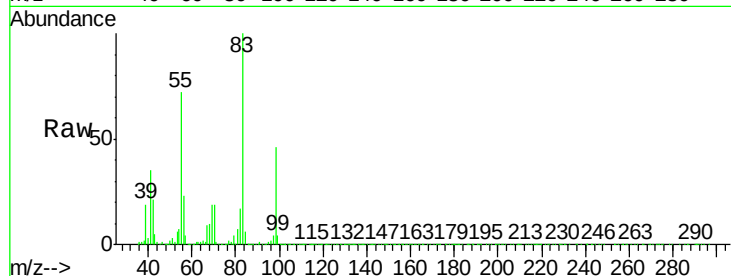
#39
Methylvlcyclohexane
Concen: 18.337 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.8	54.8	82.2
98	45.6	38.8	58.2

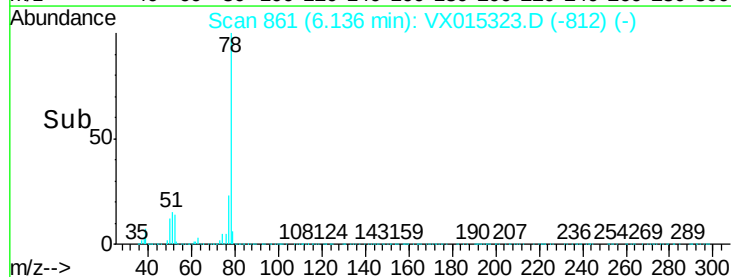
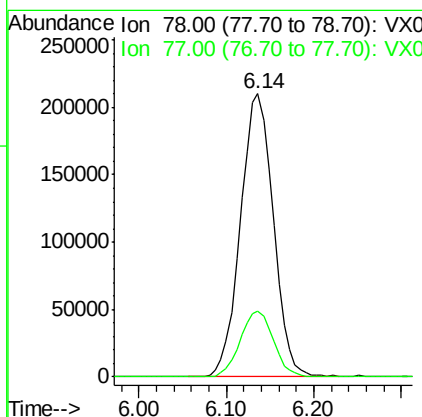
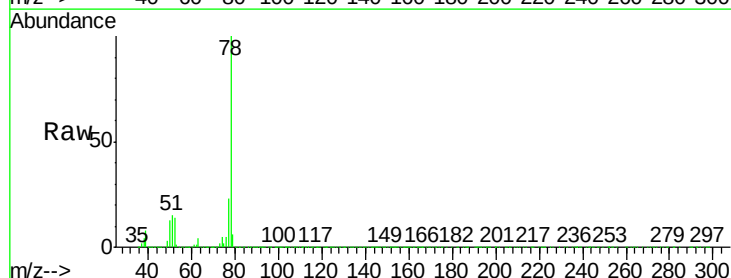
Manual Integrations
APPROVED

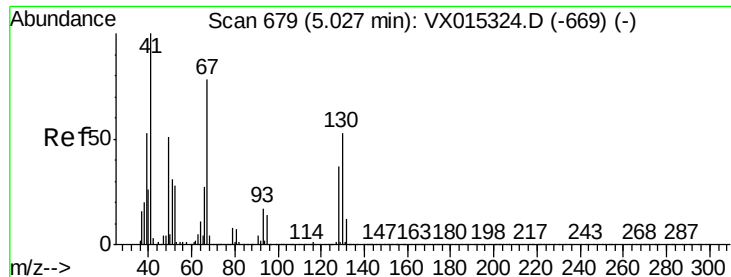
MMDadoda
3/19/2020 12:00:51 PM



#40
Benzene
Concen: 20.472 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.2	27.4





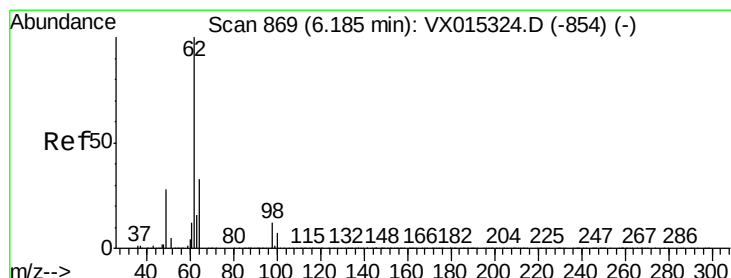
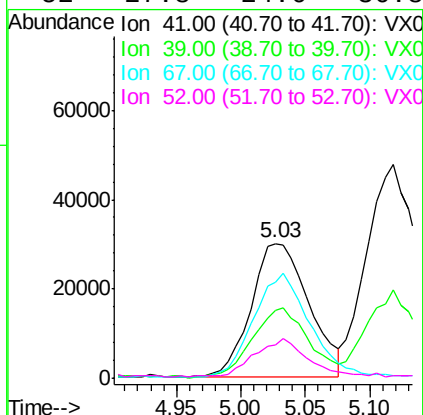
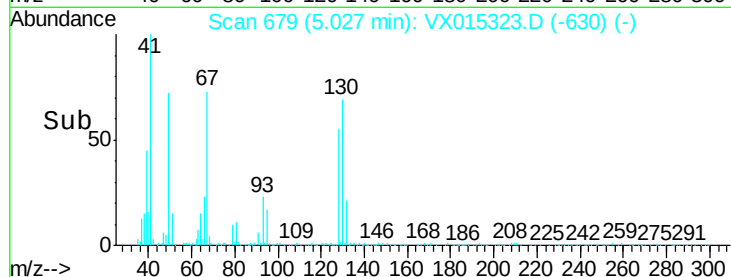
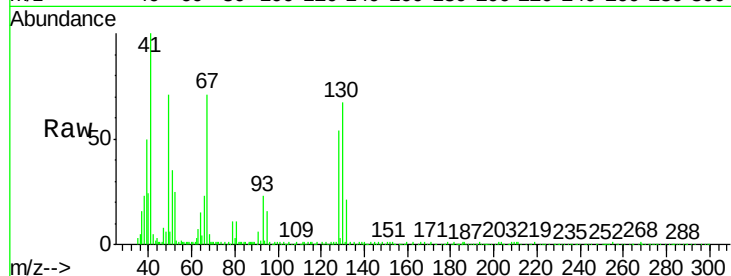
#41
Methacrylonitrile
Concen: 18.804 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.3	43.0	64.6	
67	77.3	66.0	99.0	
52	27.8	24.6	36.8	

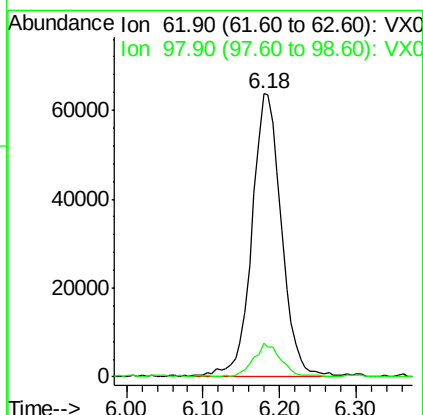
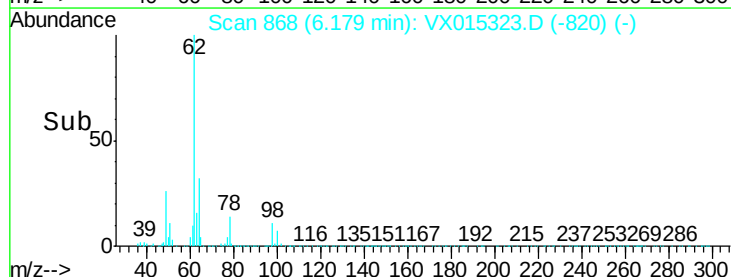
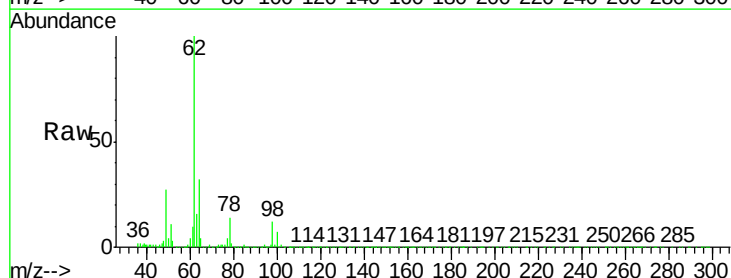
Manual Integrations
APPROVED

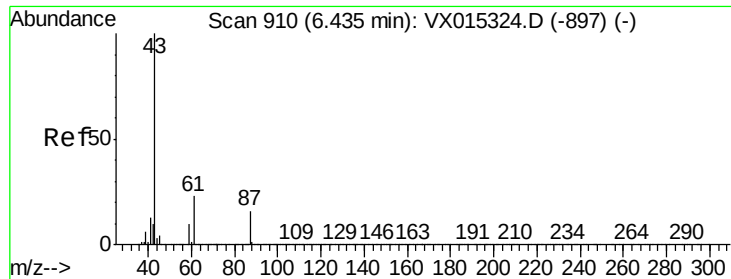
MMDadoda
3/19/2020 12:00:51 PM



#42
1,2-Dichloroethane
Concen: 18.787 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	11.3	0.0	22.6	





#43

Isopropyl Acetate

Concen: 17.318 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_X

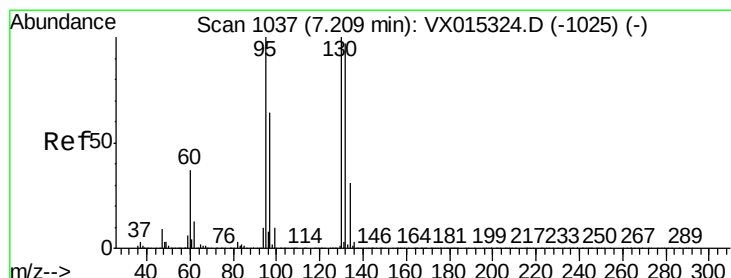
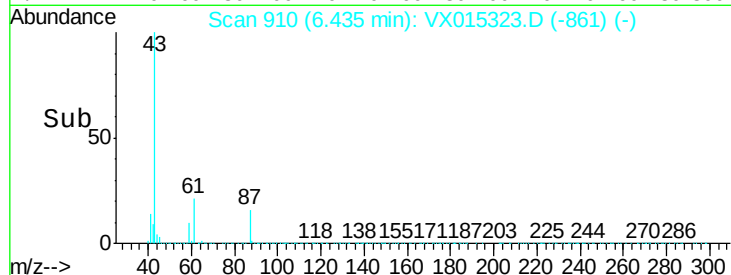
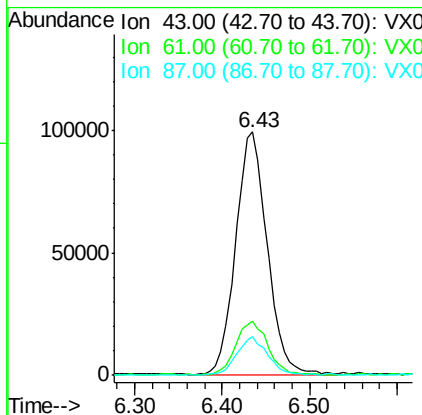
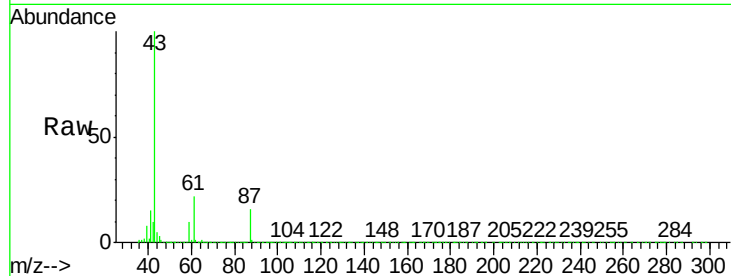
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	248144
Ion	Ratio	Lower	Upper
43	100		
61	22.8	18.2	27.2
87	15.5	12.3	18.5

Manual Integrations
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#44

Trichloroethene

Concen: 19.099 ug/l

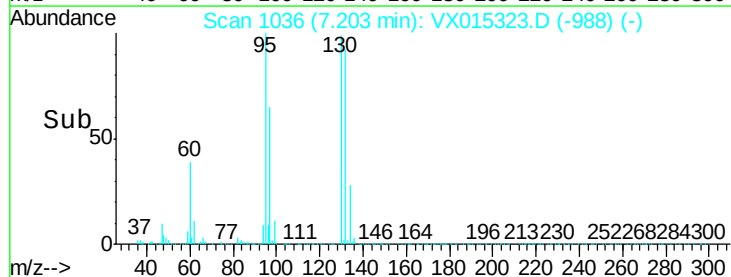
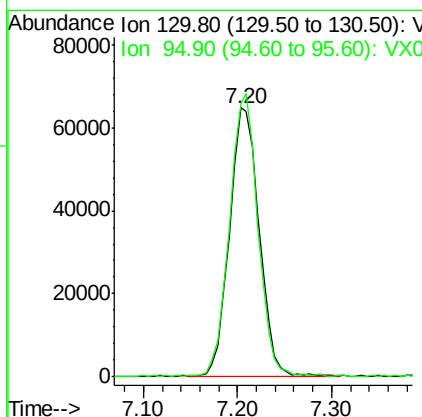
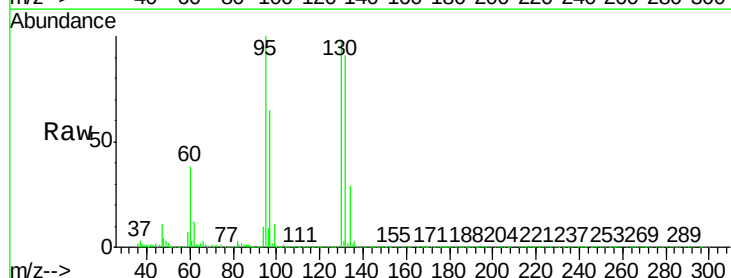
RT: 7.20 min Scan# 1036

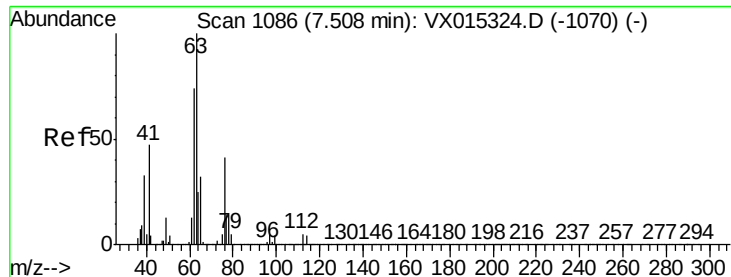
Delta R.T. -0.01 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Tgt Ion:	130	Resp:	141438
Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	200.4





#45

1,2-Dichloropropane

Concen: 19.150 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_X

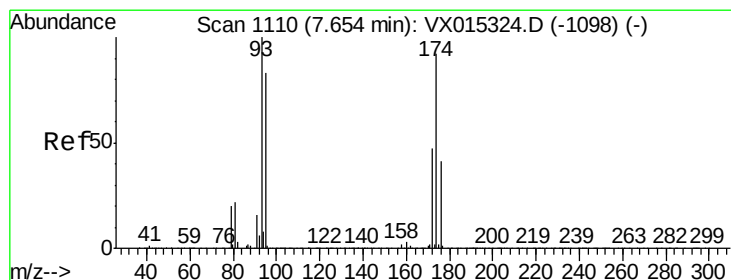
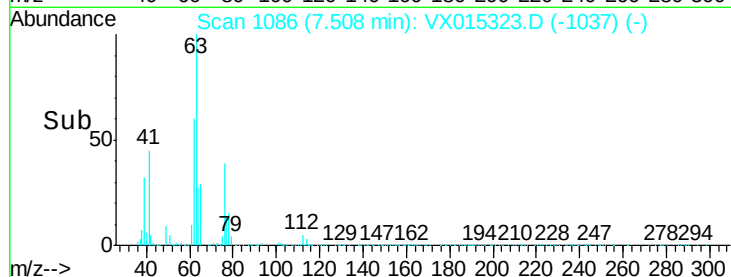
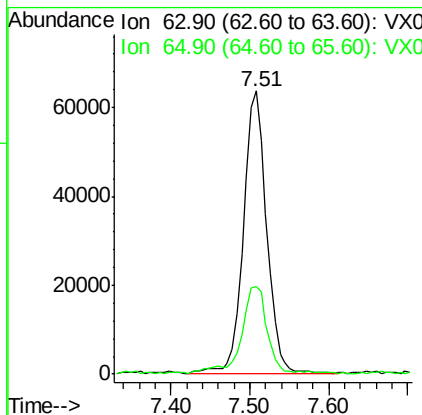
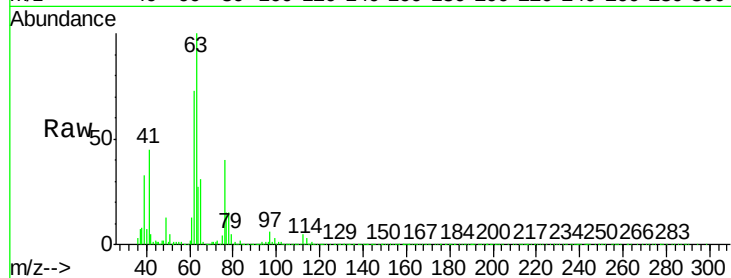
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.1	37.7

Manual Integrations
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3/19/2020 12:00:51 PM



#46

Dibromomethane

Concen: 19.663 ug/l

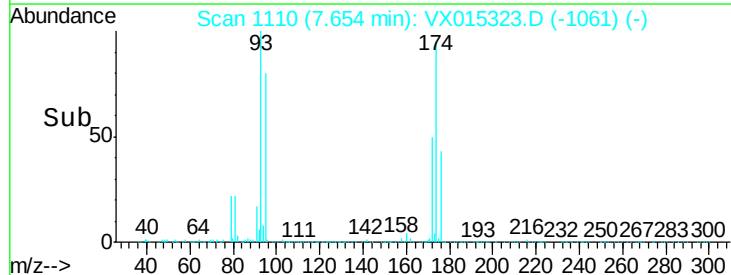
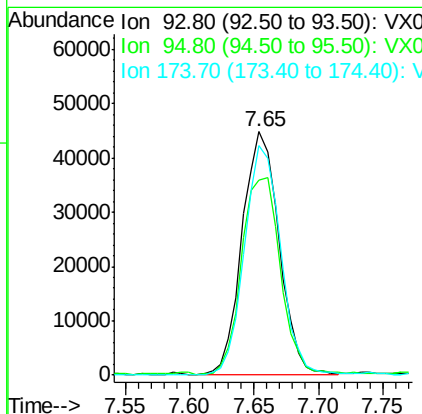
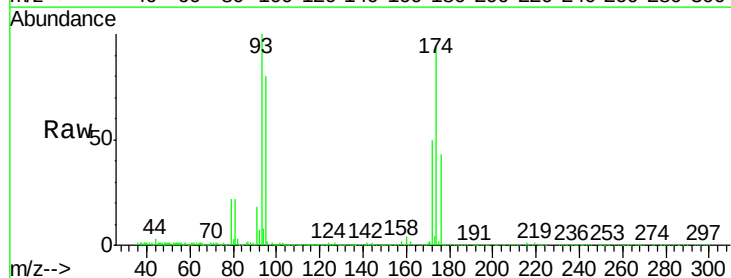
RT: 7.65 min Scan# 1110

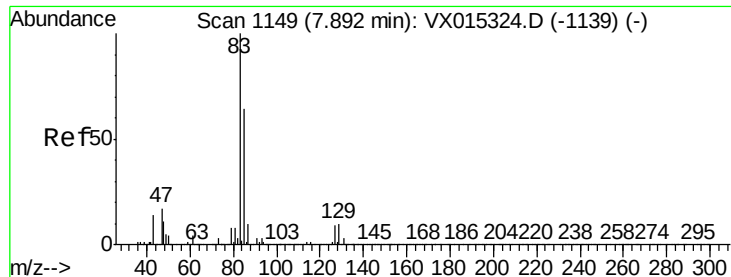
Delta R.T. 0.00 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.2	66.3	99.5
174	92.4	74.2	111.2





#47

Bromodichloromethane

Concen: 17.732 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_X

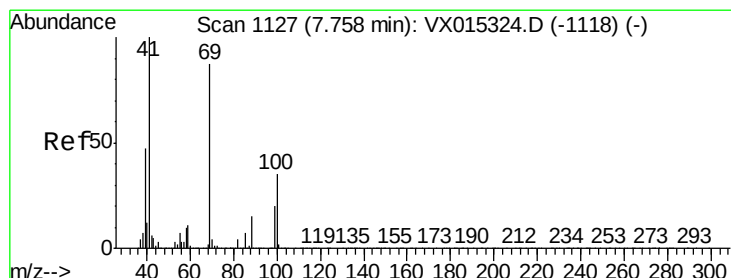
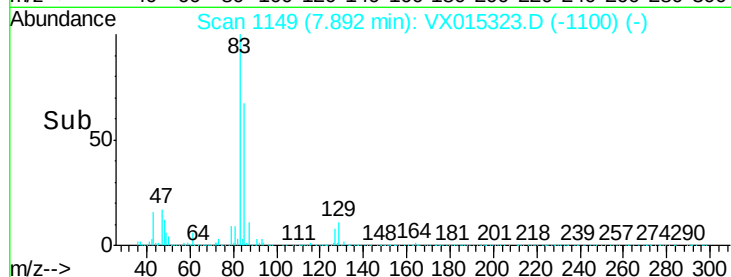
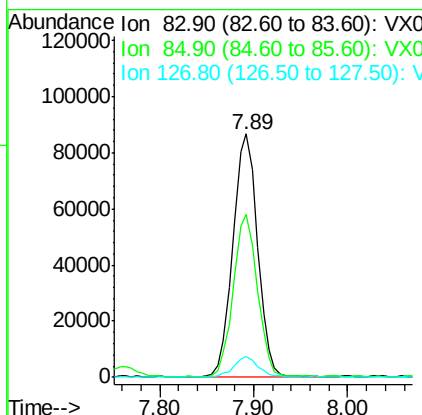
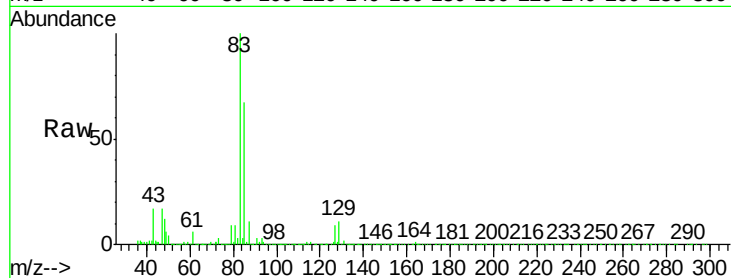
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	157568
Ion Ratio	Lower	Upper	
83	100		
85	66.5	51.0	76.6
127	8.4	7.2	10.8

Manual Integrations
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3/19/2020 12:00:51 PM



#48

Methyl methacrylate

Concen: 14.814 ug/l

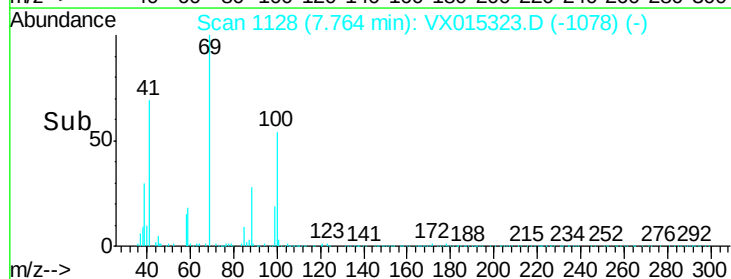
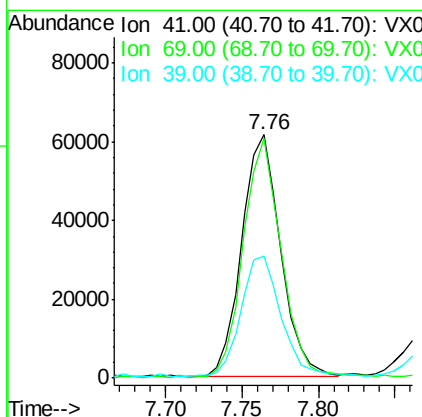
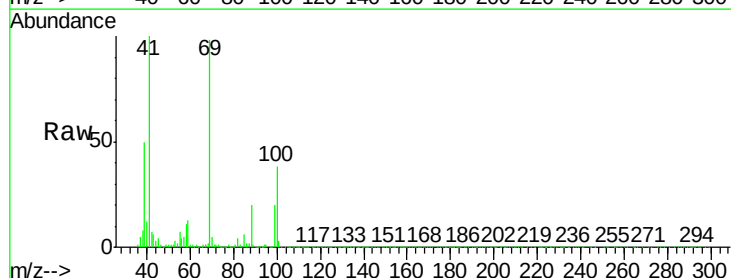
RT: 7.76 min Scan# 1128

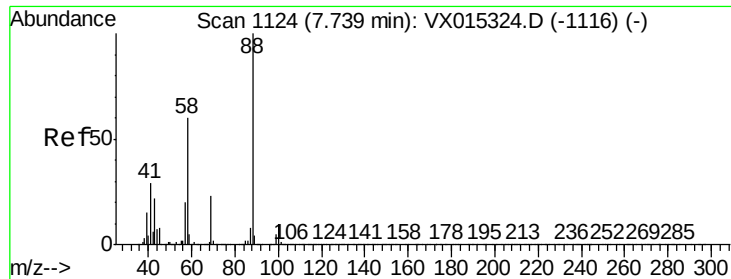
Delta R.T. 0.01 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Tgt Ion:	41	Resp:	108124
Ion Ratio	Lower	Upper	
41	100		
69	96.6	74.4	111.6
39	51.6	39.2	58.8





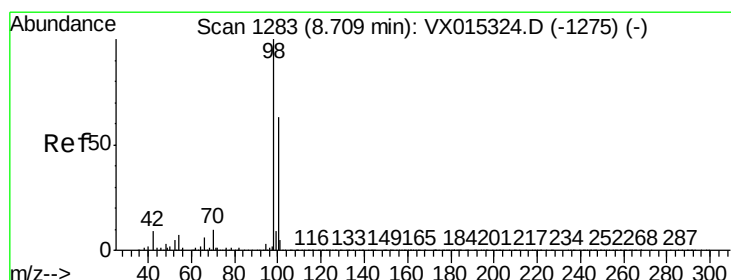
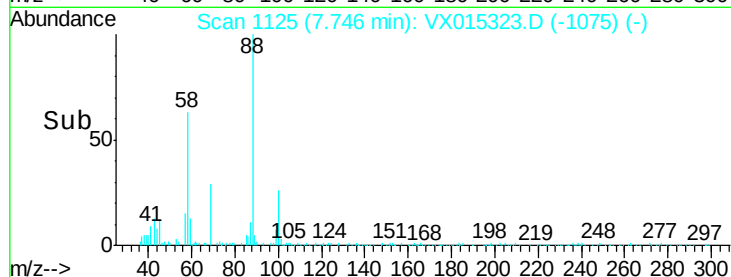
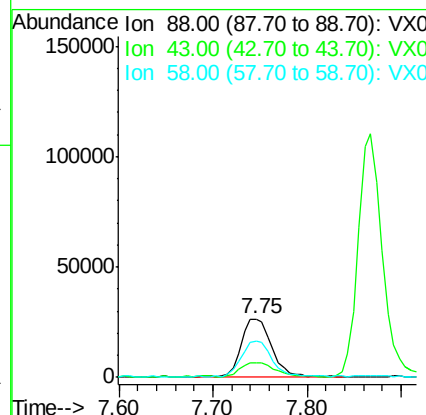
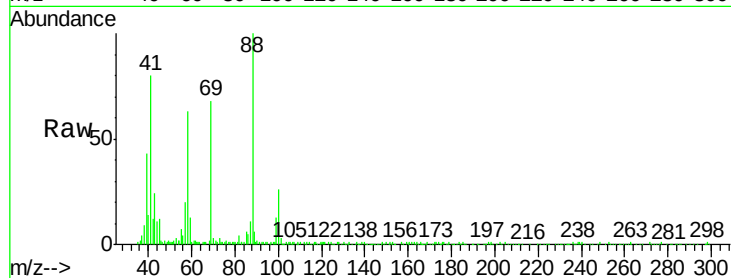
#49
1,4-Dioxane
Concen: 363.324 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.4	20.7	31.1
58	60.1	53.9	80.9

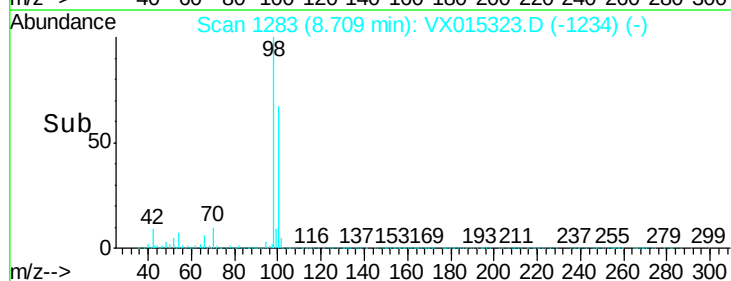
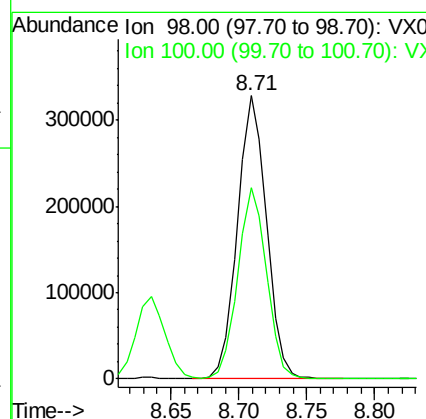
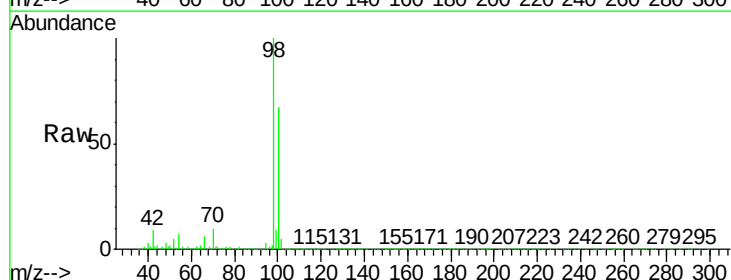
Manual Integrations
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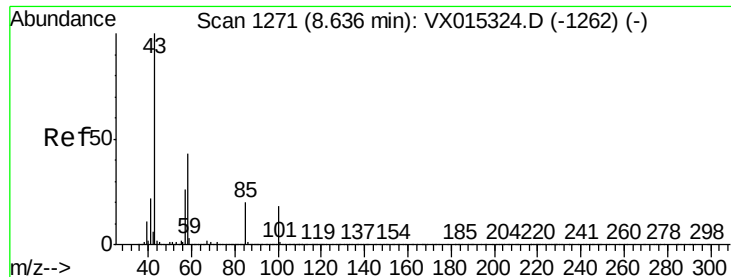
MMDadoda
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#50
Toluene-d8
Concen: 20.942 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 93.089 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 792086

Ion Ratio Lower Upper

43 100

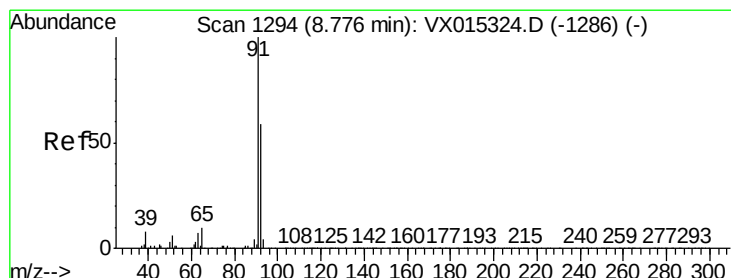
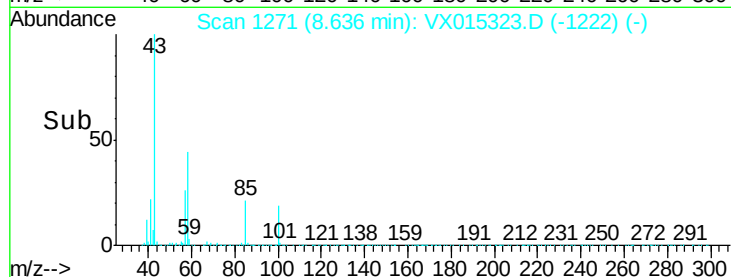
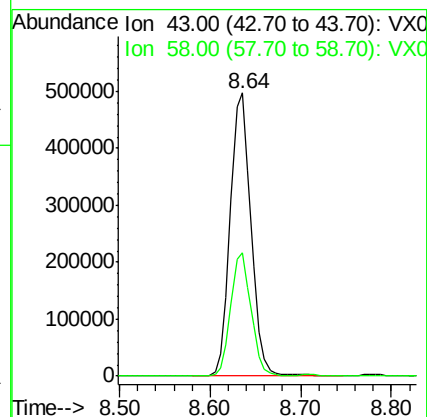
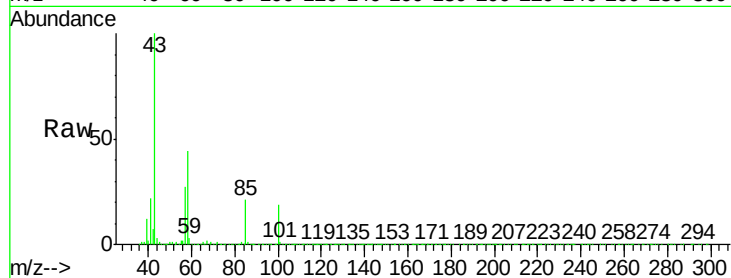
58 42.7 34.6 51.8

Manual Integrations

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#52

Toluene

Concen: 21.034 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX015323.D

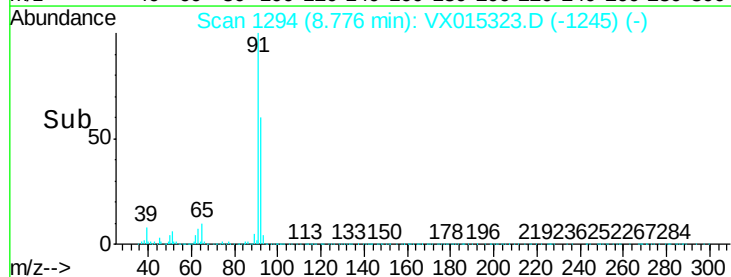
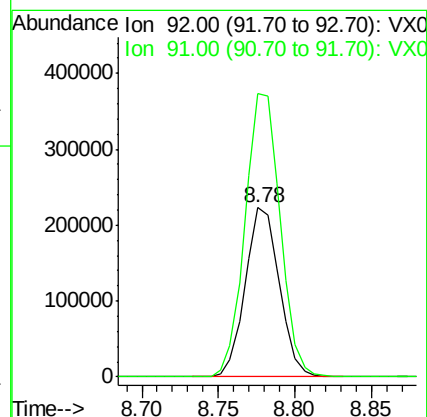
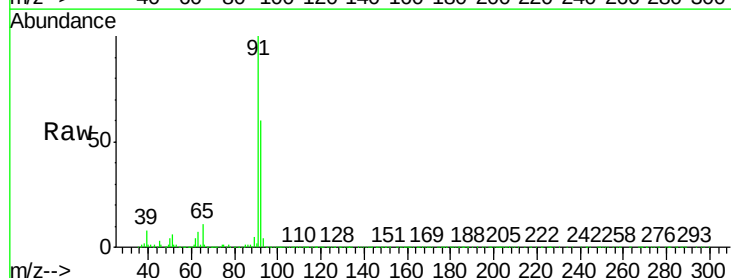
Acq: 18 Mar 2020 13:24

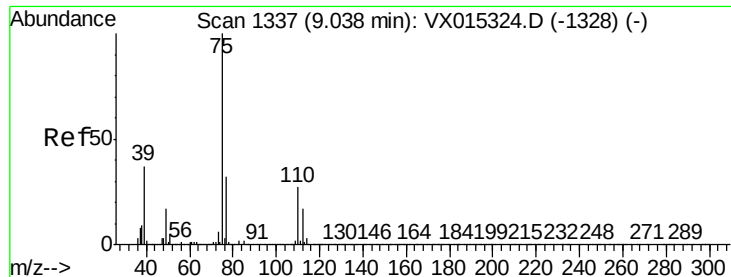
Tgt Ion: 92 Resp: 344986

Ion Ratio Lower Upper

92 100

91 173.4 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 19.419 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 75 Resp: 182537

Ion Ratio Lower Upper

75 100

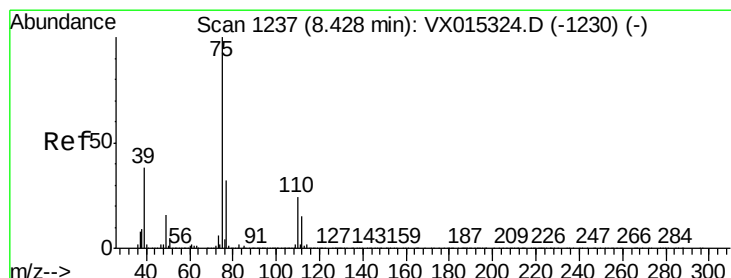
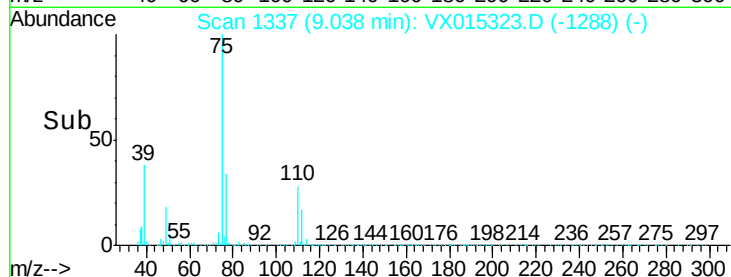
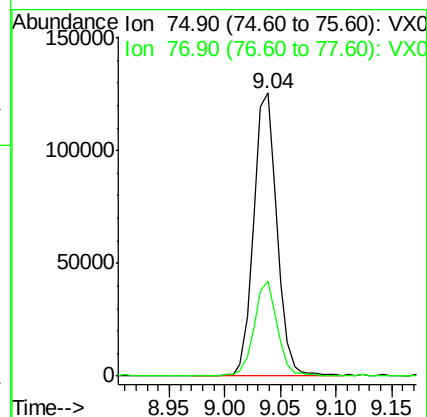
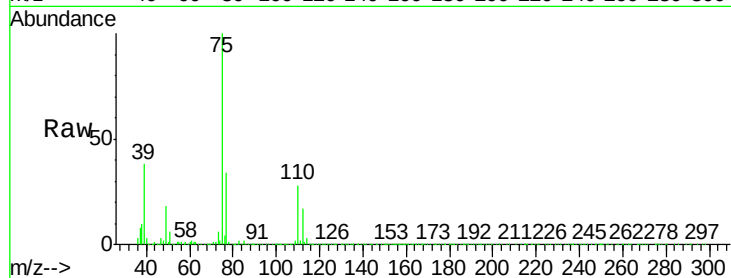
77 33.4 25.8 38.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.446 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

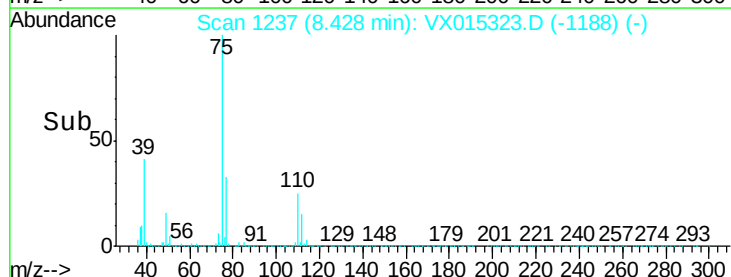
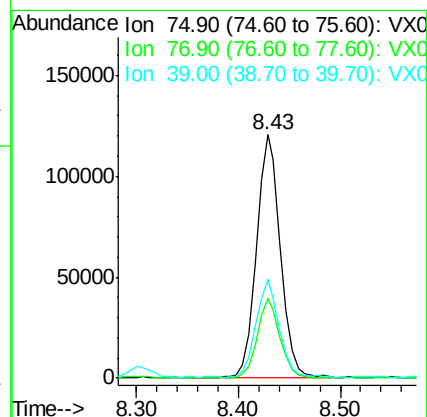
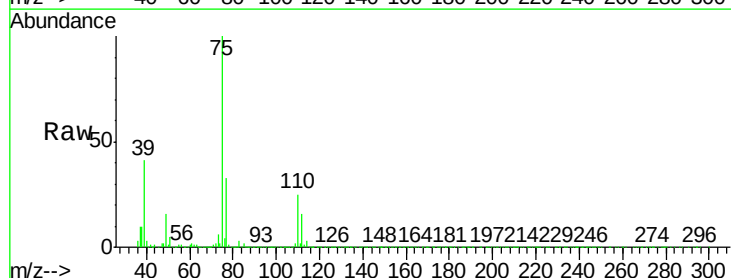
Tgt Ion: 75 Resp: 197355

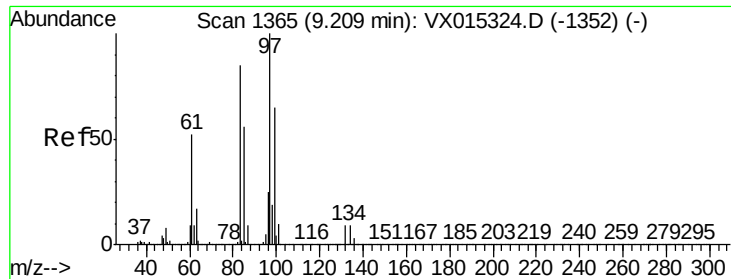
Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5

39 40.5 30.2 45.2





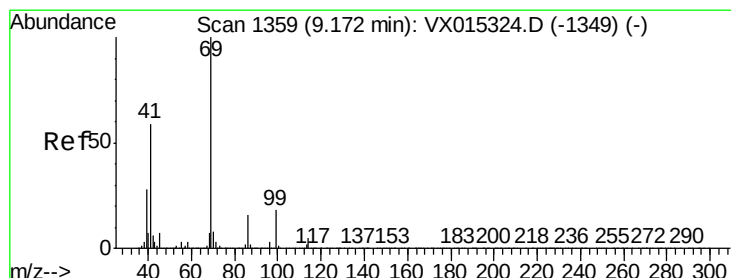
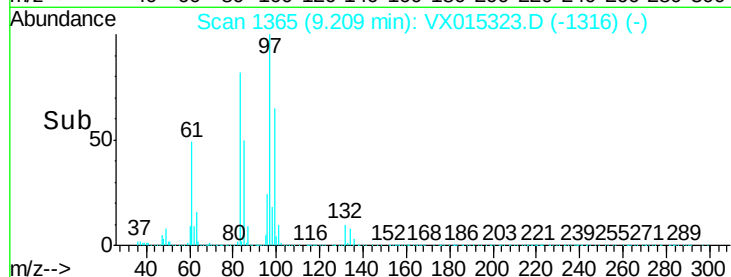
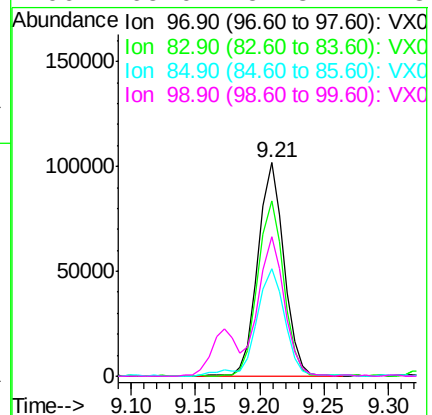
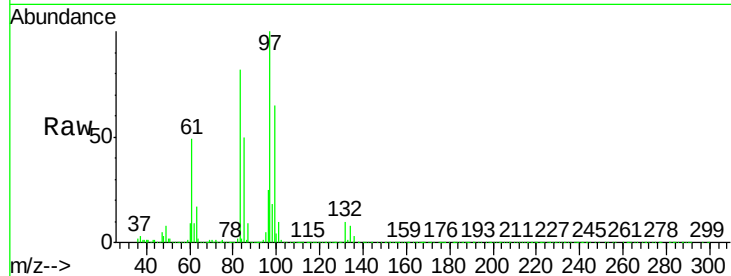
#55
 1,1,2-Trichloroethane
 Concen: 20.887 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX015323.D
 Acq: 18 Mar 2020 13:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		141340		
83	82.2	67.7	101.5		
85	50.1	44.5	66.7		
99	65.0	51.8	77.8		

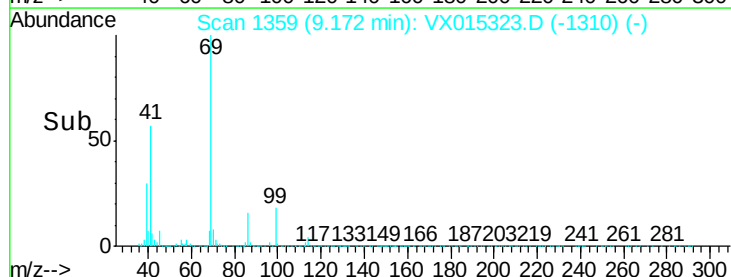
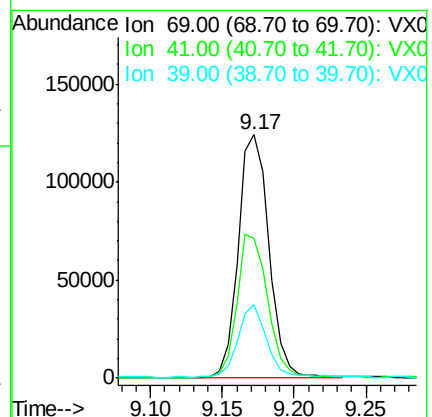
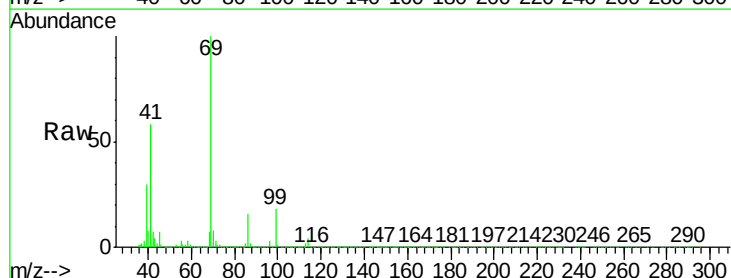
Manual Integrations
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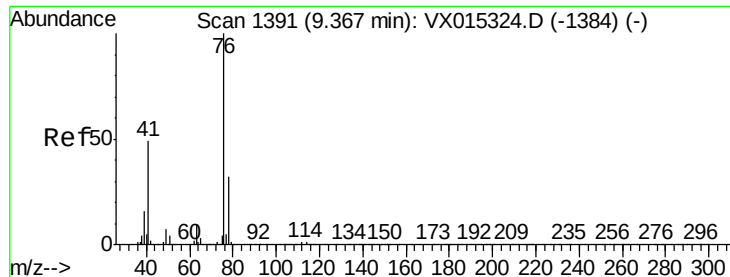
MMDadoda
 3/19/2020 12:00:51 PM



#56
 Ethyl methacrylate
 Concen: 19.254 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX015323.D
 Acq: 18 Mar 2020 13:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		183663		
41	60.6	47.5	71.3		
39	30.4	23.0	34.4		





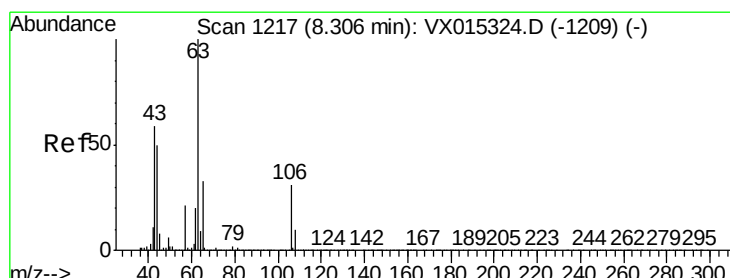
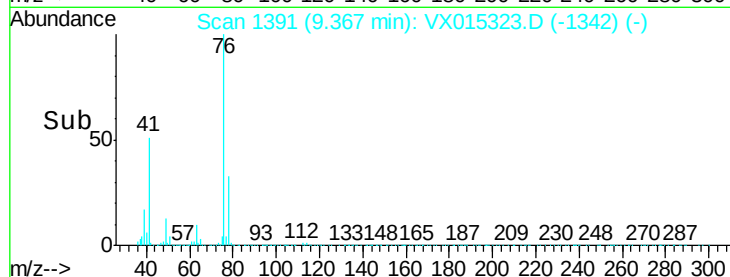
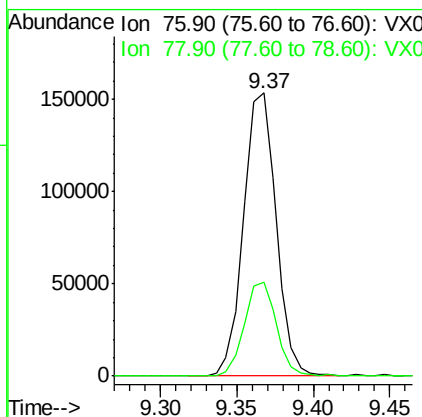
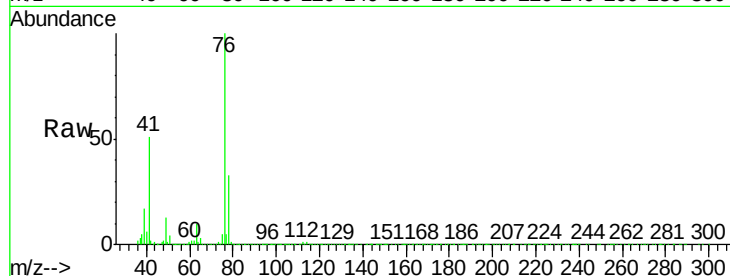
#57
 1,3-Dichloropropane
 Concen: 20.011 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX015323.D
 Acq: 18 Mar 2020 13:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.5	38.3

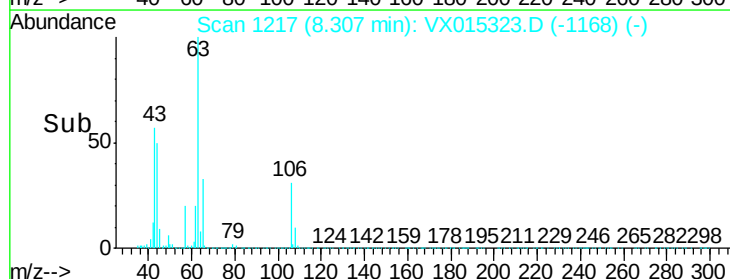
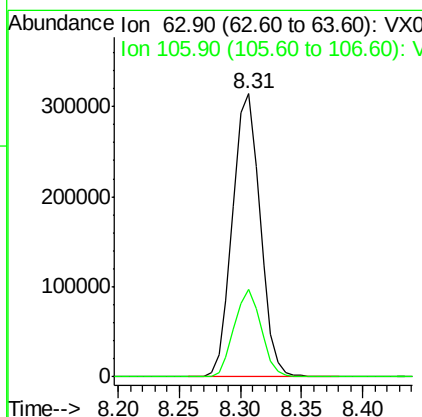
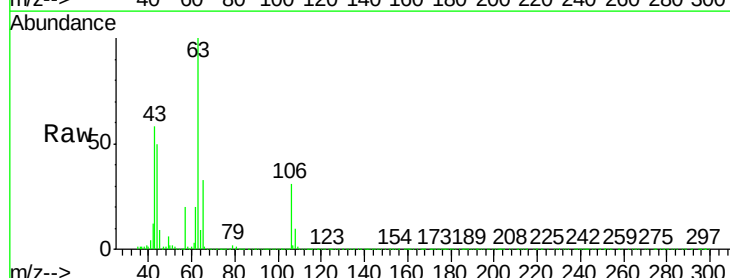
Manual Integrations
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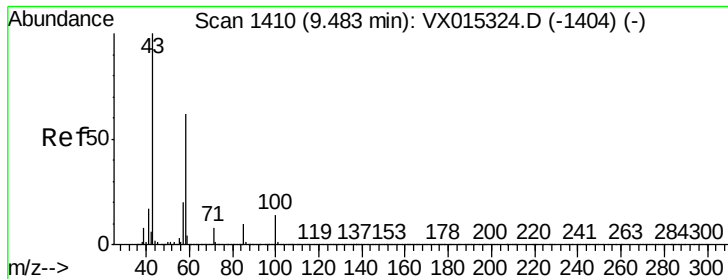
MMDadoda
 3/19/2020 12:00:51 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.178 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX015323.D
 Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.7	24.3	36.5





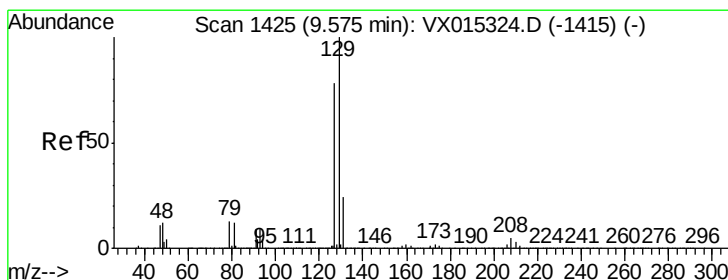
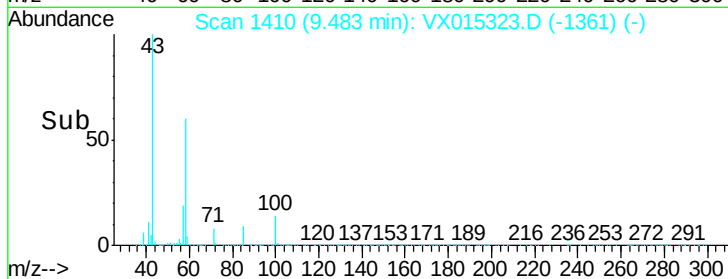
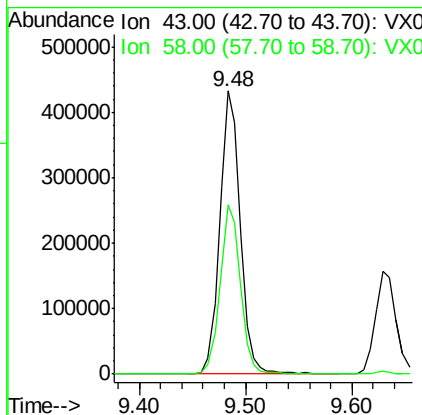
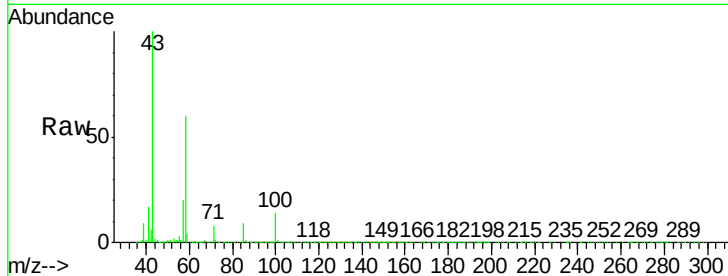
#59
2-Hexanone
Concen: 91.851 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.7	30.3	90.8

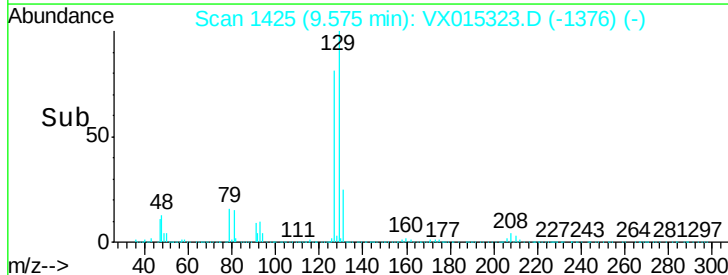
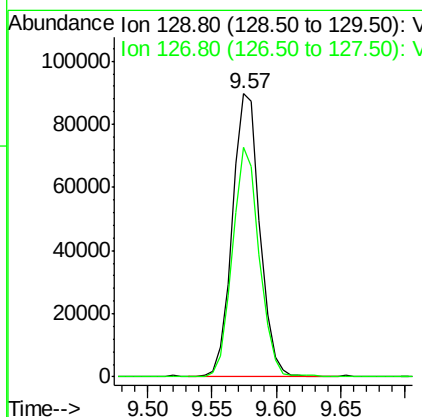
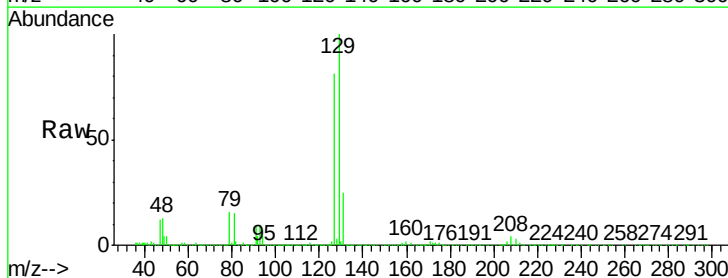
Manual Integrations
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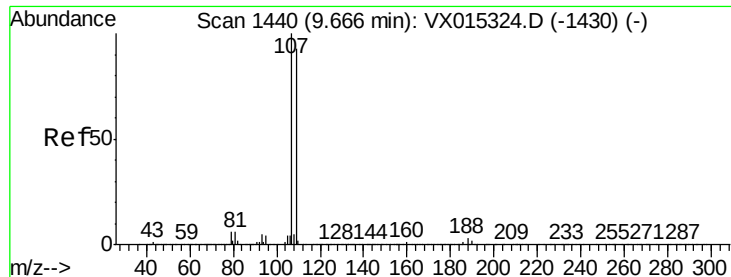
MMDadoda
3/19/2020 12:00:51 PM



#60
Dibromochloromethane
Concen: 18.811 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.3	117.9





#61

1,2-Dibromoethane

Concen: 19.186 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 137028

Ion Ratio Lower Upper

107 100

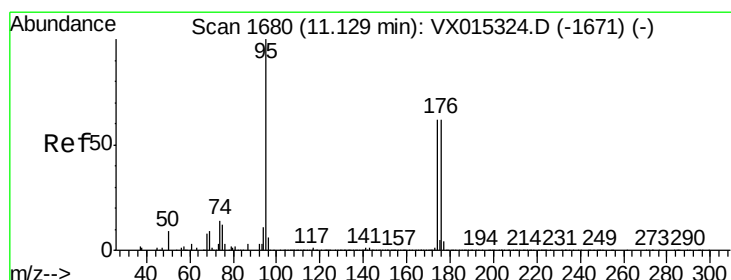
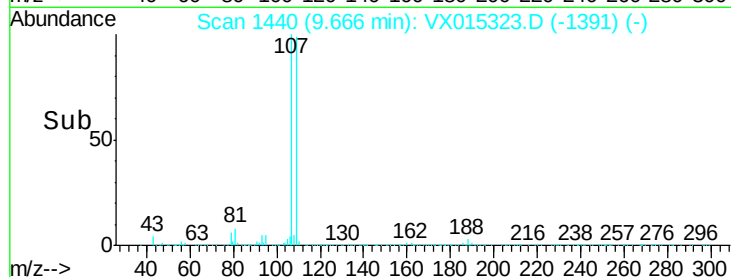
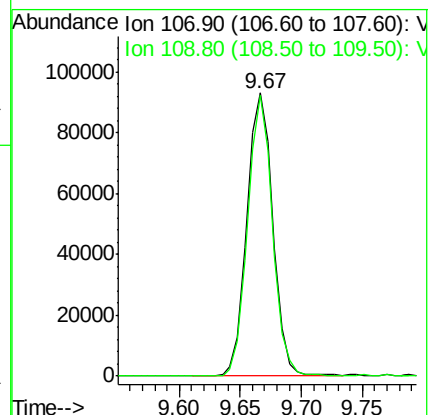
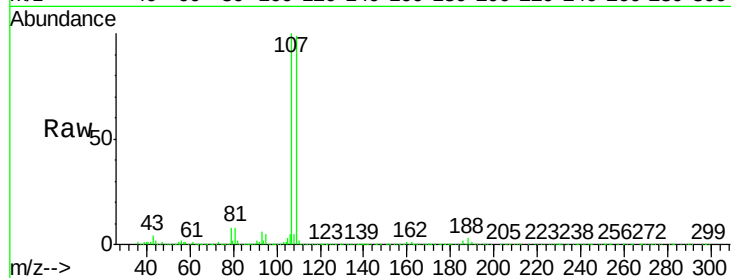
109 94.7 75.1 112.7

Manual Integrations

APPROVED

MMDadoda

3/19/2020 12:00:51 PM



#62

4-Bromofluorobenzene

Concen: 19.270 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

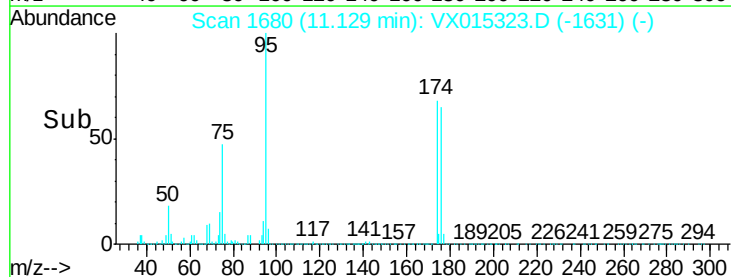
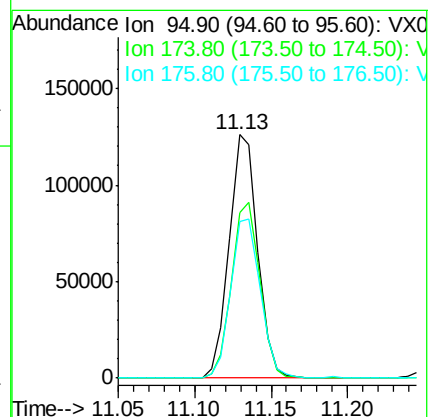
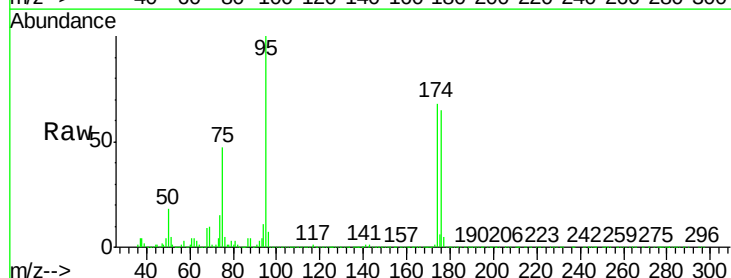
Tgt Ion: 95 Resp: 162825

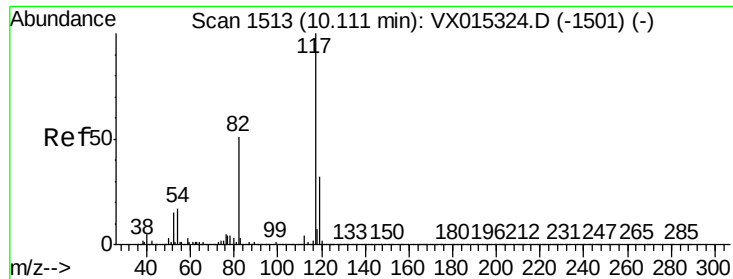
Ion Ratio Lower Upper

95 100

174 72.0 0.0 145.6

176 68.0 0.0 141.6





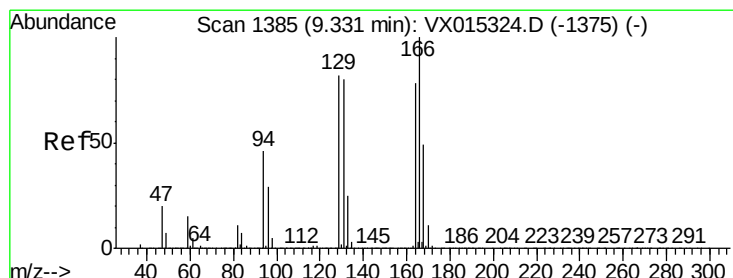
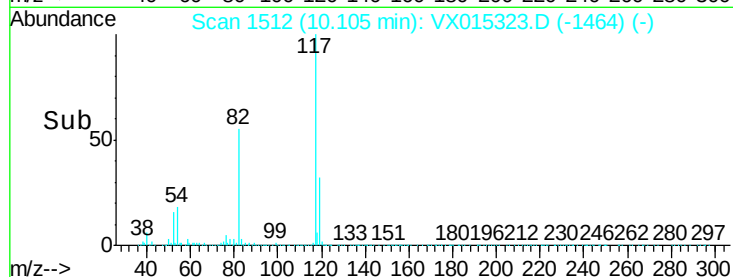
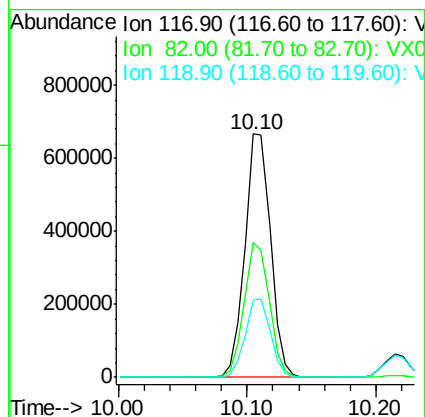
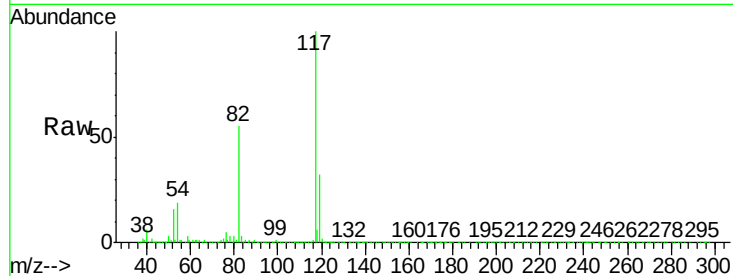
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	915854		
82	55.1	40.6	60.8	
119	32.0	25.4	38.2	

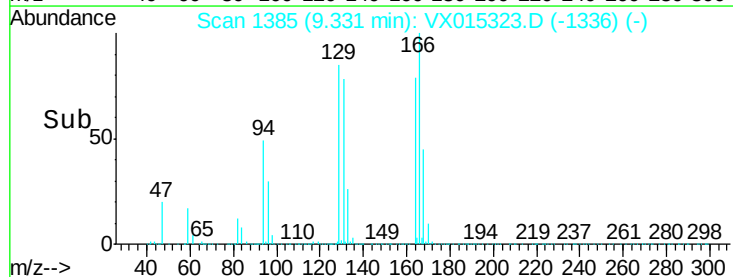
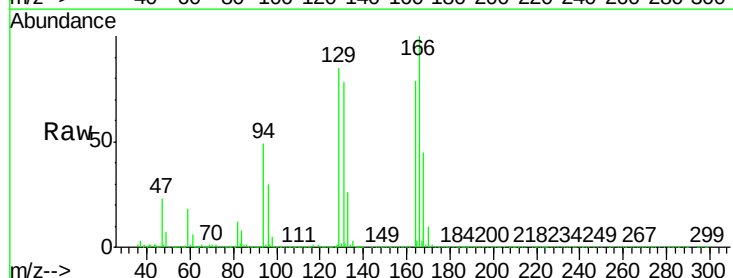
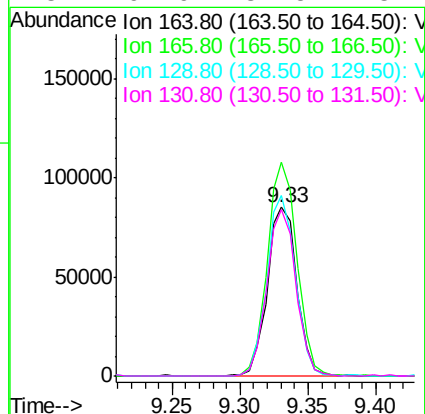
Manual Integrations
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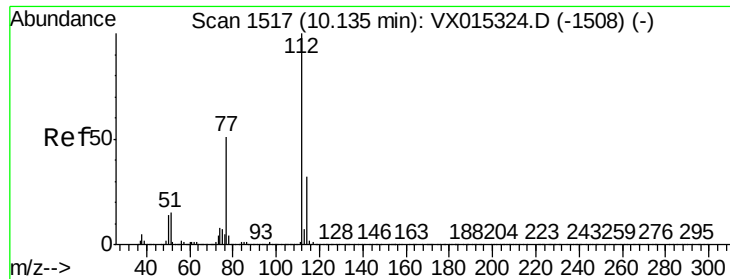
MMDadoda
3/19/2020 12:00:51 PM



#64
Tetrachloroethene
Concen: 17.453 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	129477		
166	126.6	102.6	153.8	
129	106.8	84.5	126.7	
131	97.9	82.5	123.7	





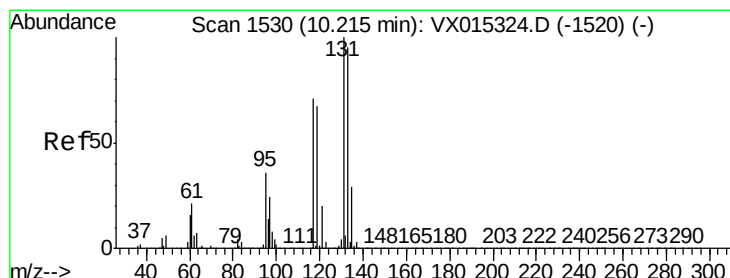
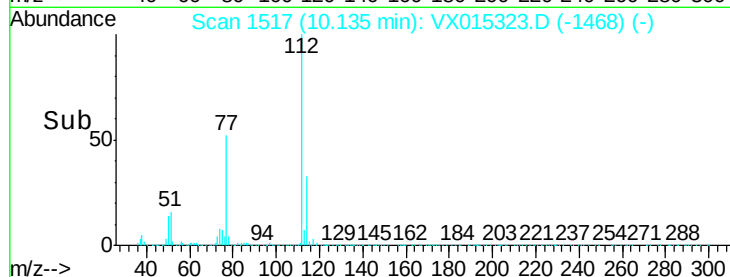
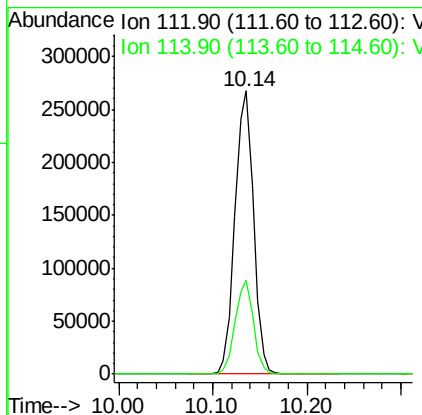
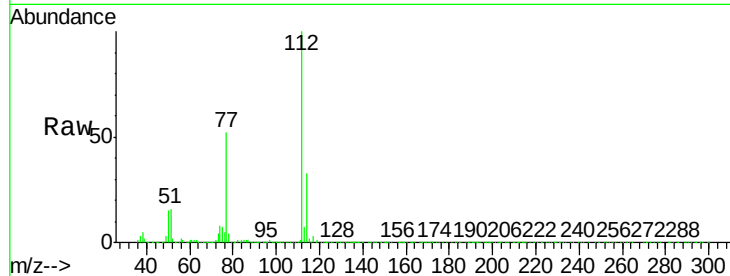
#65
Chlorobenzene
Concen: 19.794 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
112	100	367694		
114	33.0	25.6	38.4	

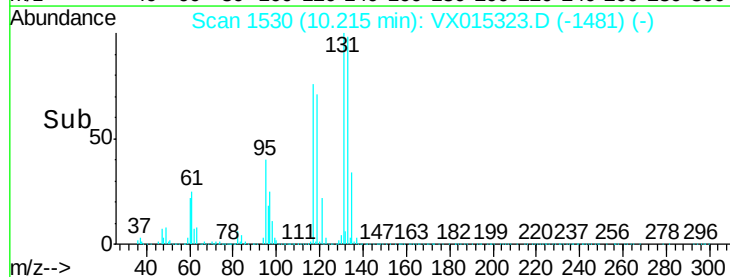
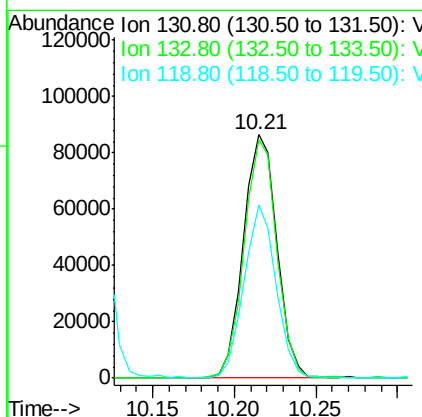
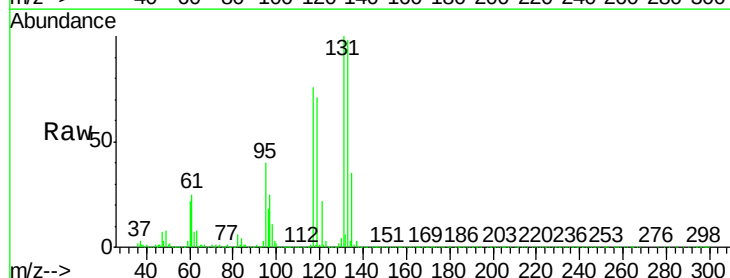
Manual Integrations
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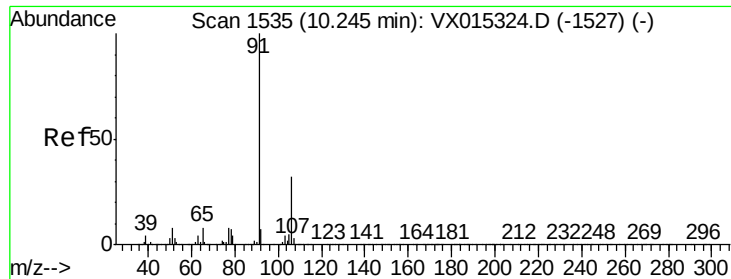
MMDadoda
3/19/2020 12:00:51 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 17.795 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	123489		
133	95.8	48.1	144.4	
119	68.1	33.8	101.3	





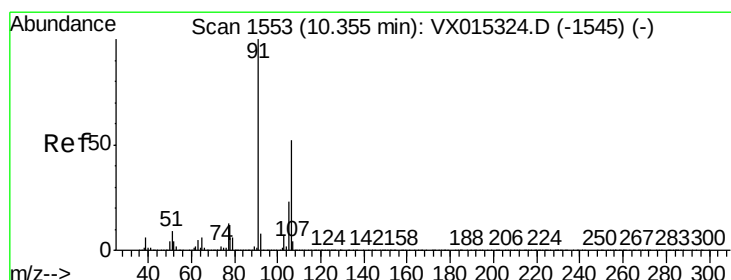
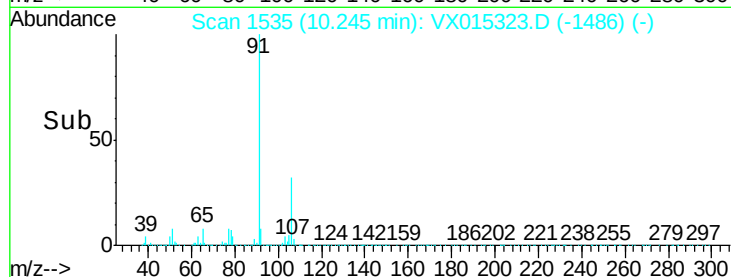
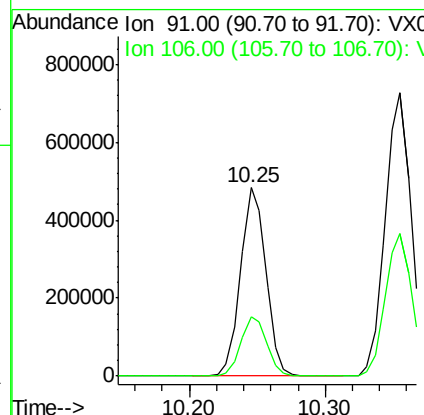
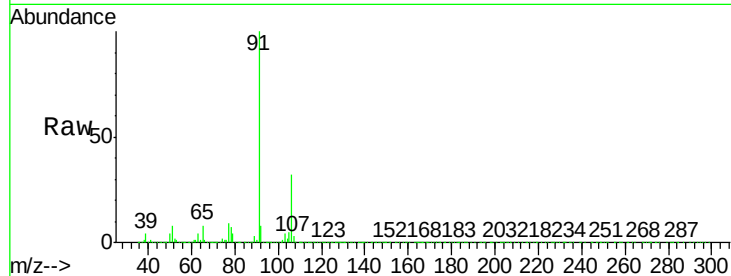
#67
Ethyl Benzene
Concen: 19.991 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 629451
Ion Ratio Lower Upper
91 100
106 31.5 25.8 38.6

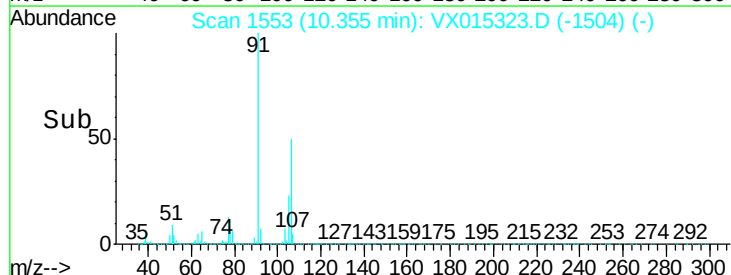
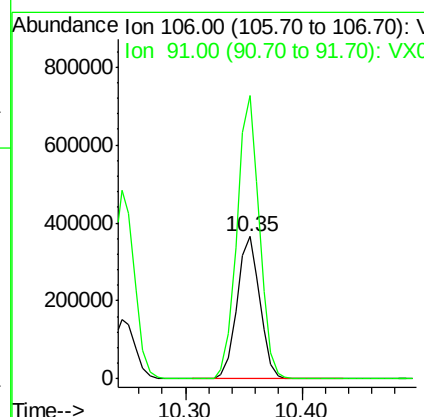
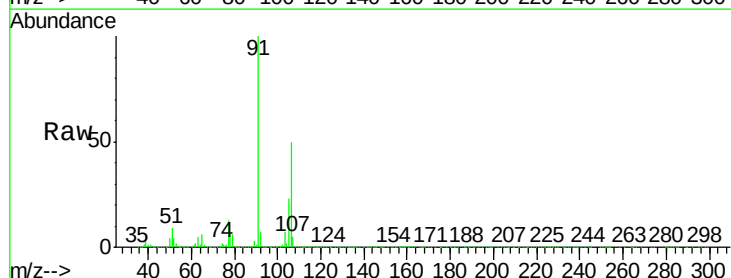
Manual Integrations
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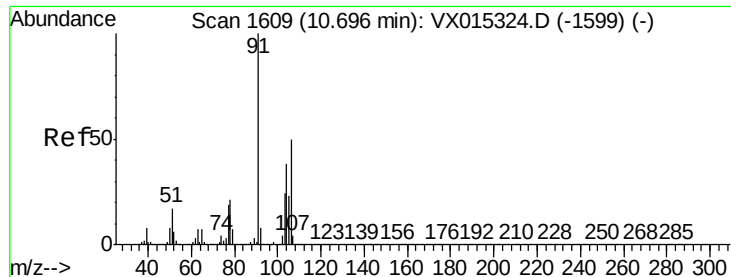
MMDadoda
3/19/2020 12:00:51 PM



#68
m/p-Xylenes
Concen: 41.366 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Tgt Ion: 106 Resp: 496708
Ion Ratio Lower Upper
106 100
91 196.2 155.1 232.7





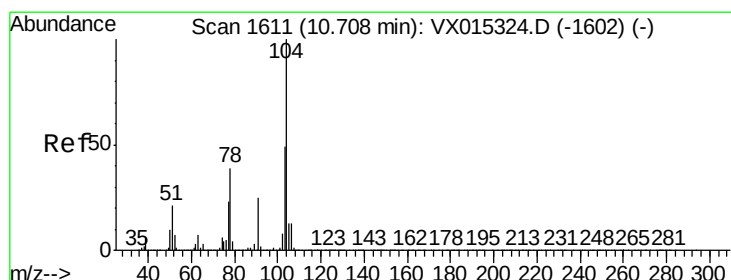
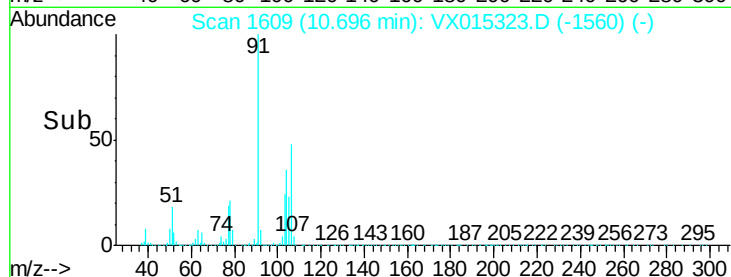
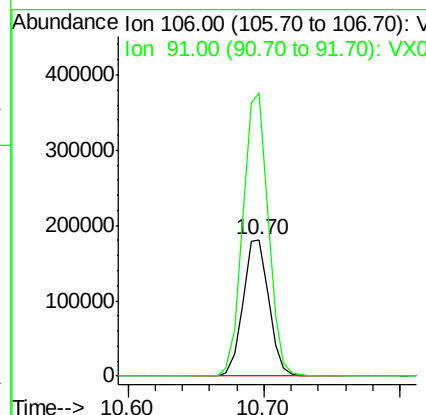
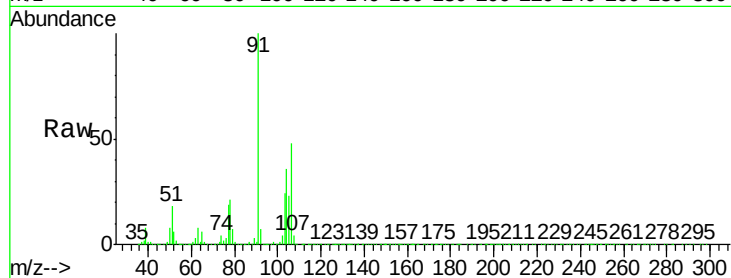
#69
o-Xylene
Concen: 20.712 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	204.8	102.3	306.9

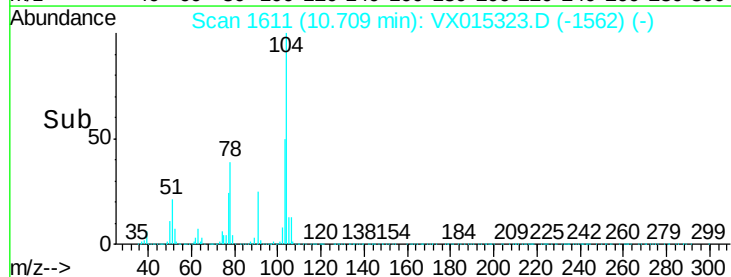
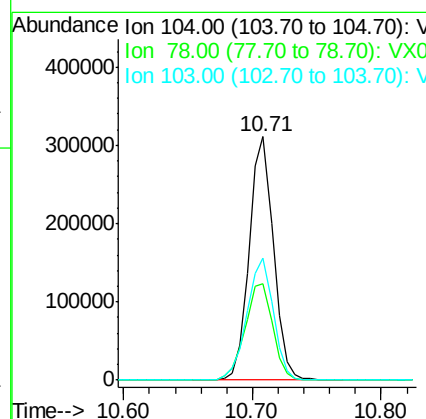
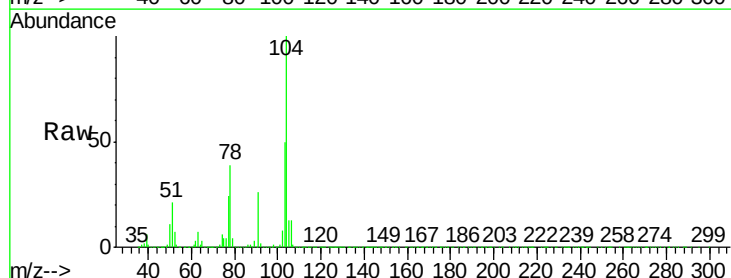
Manual Integrations
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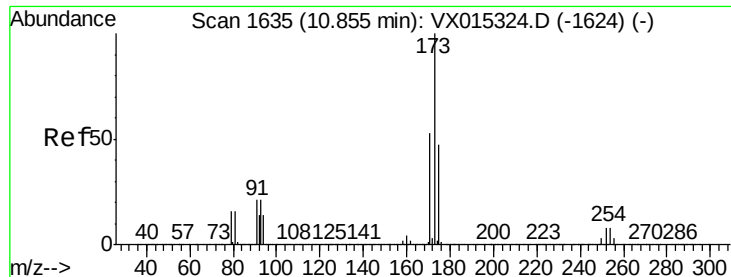
MMDadoda
3/19/2020 12:00:51 PM



#70
Styrene
Concen: 20.344 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
104	100		
78	45.8	36.0	54.0
103	54.8	43.4	65.0





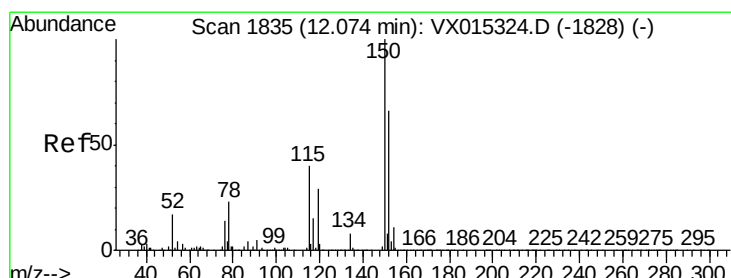
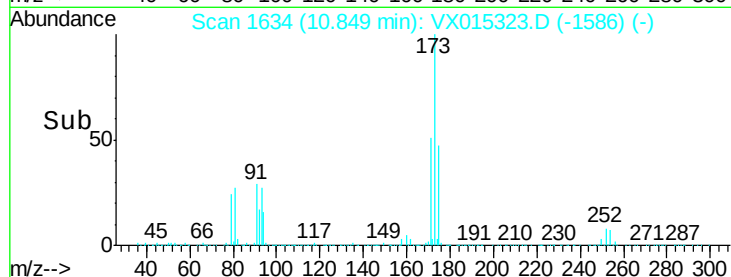
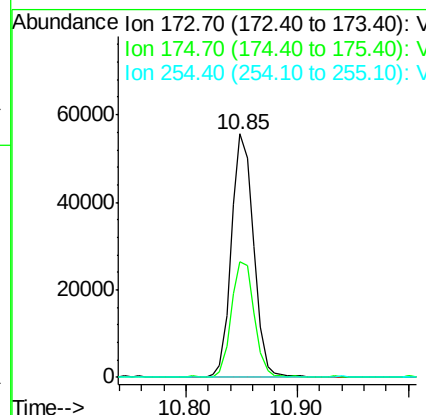
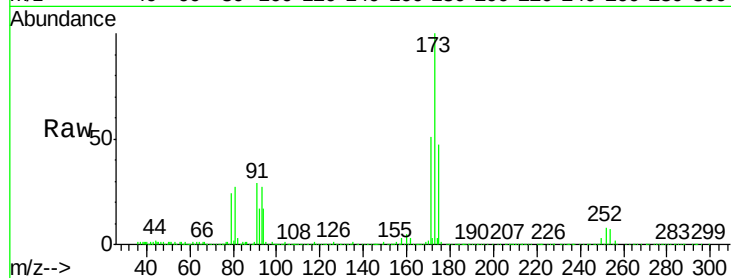
#71
Bromoform
Concen: 14.422 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.4	70.2
254	0.1	0.2	0.2

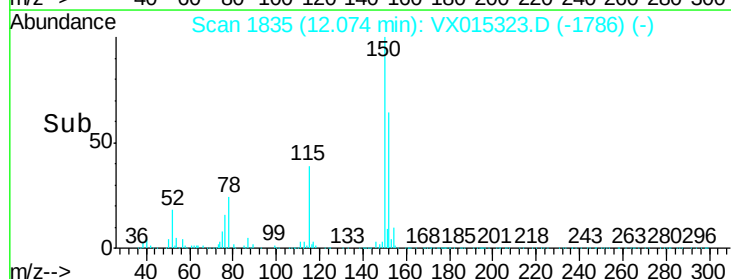
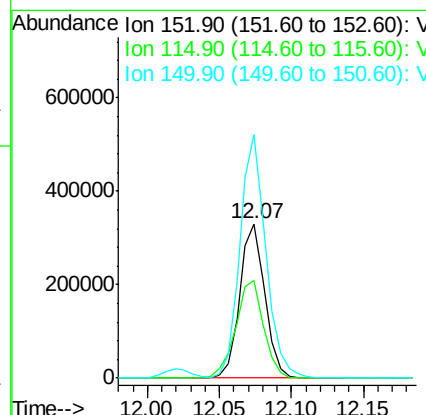
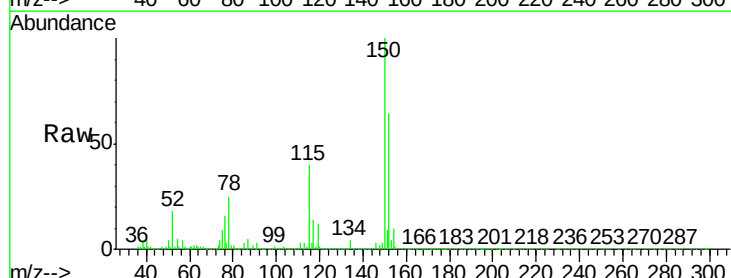
Manual Integrations
APPROVED

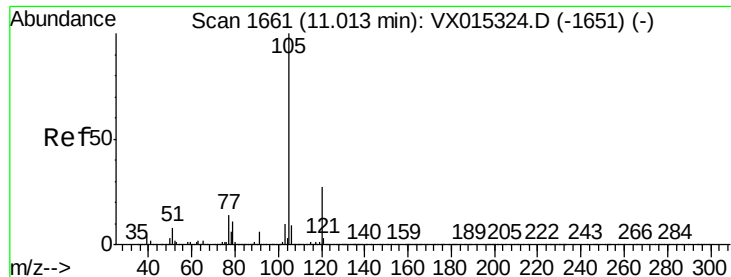
MMDadoda
3/19/2020 12:00:51 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	71.2	41.9	125.8
150	163.6	0.0	347.6





#73

Isopropylbenzene

Concen: 23.580 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 614428

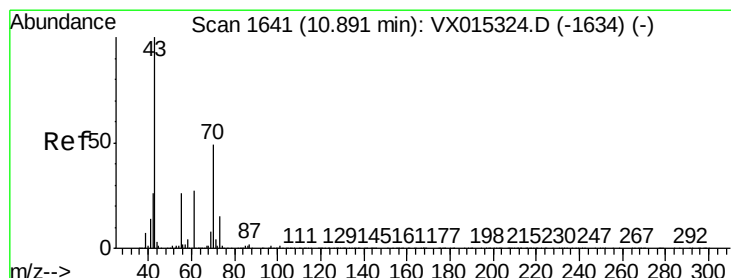
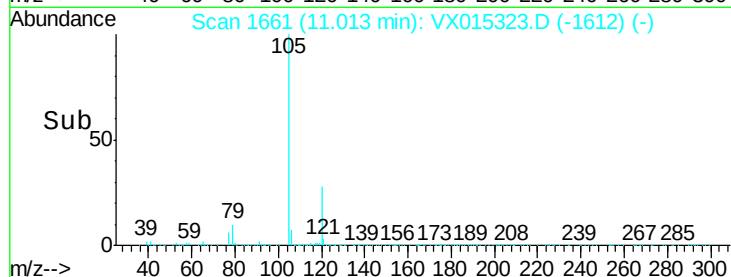
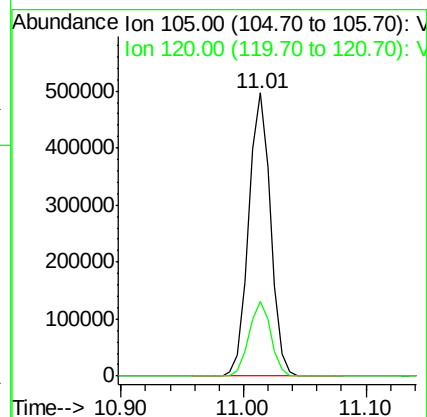
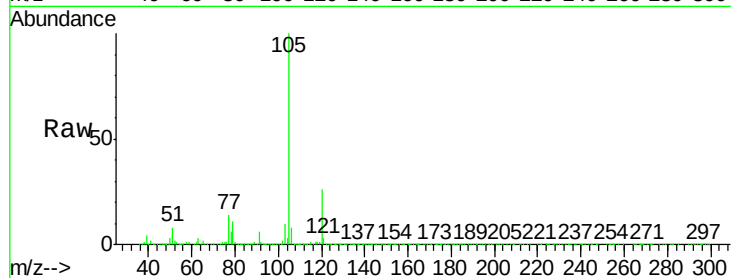
Ion Ratio Lower Upper

105 100

120 26.4 13.9 41.6

Manual Integrations
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3/19/2020 12:00:51 PM



#74

N-ethyl acetate

Concen: 18.372 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Tgt Ion: 43 Resp: 195357

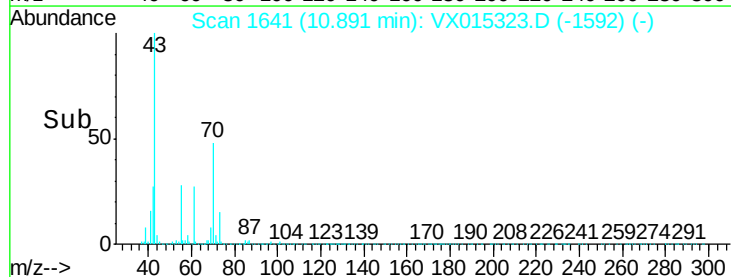
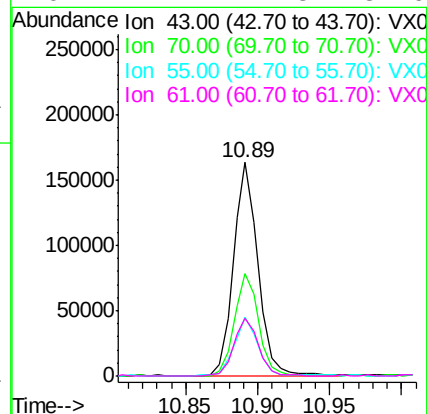
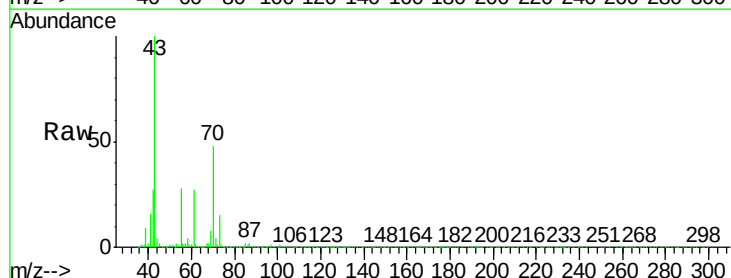
Ion Ratio Lower Upper

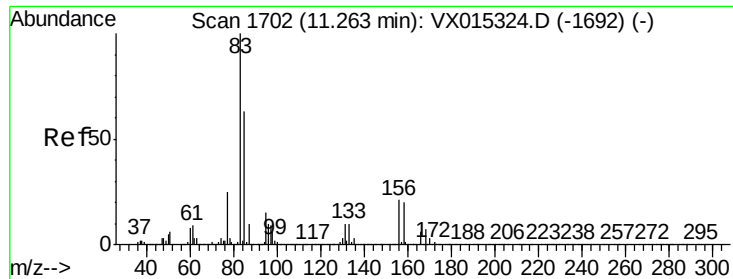
43 100

70 47.8 38.6 58.0

55 27.1 21.2 31.8

61 27.4 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.399 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_X

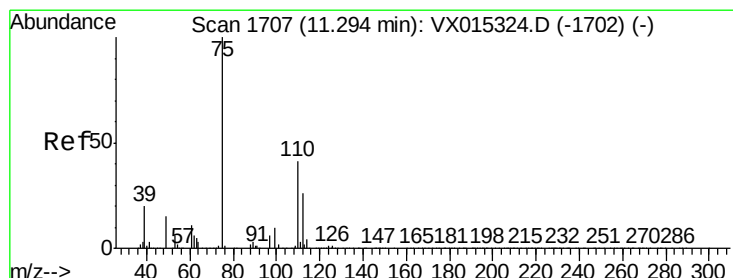
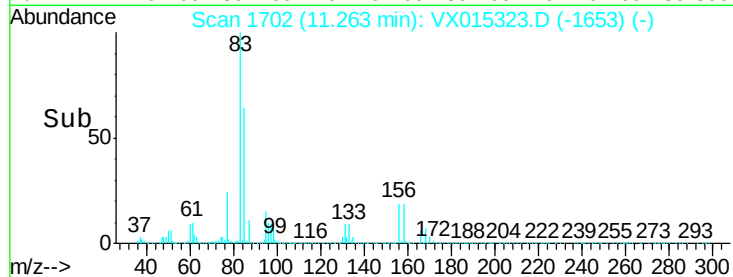
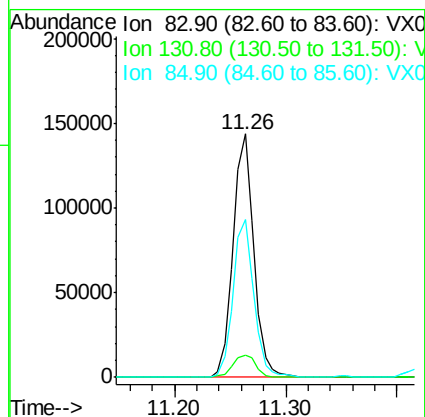
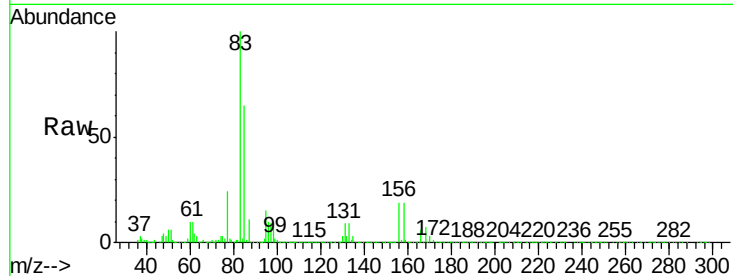
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	185028
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.1	15.2
85	64.9	32.0	96.0

Manual Integrations
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3/19/2020 12:00:51 PM



#76

1,2,3-Trichloropropane

Concen: 22.602 ug/l m

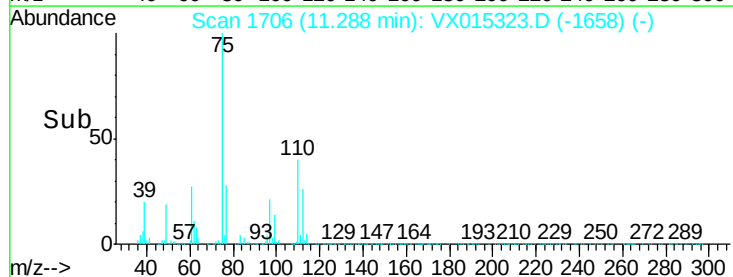
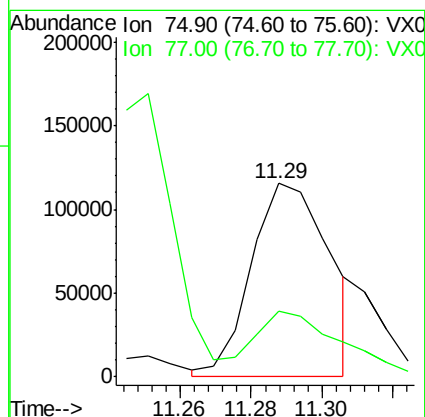
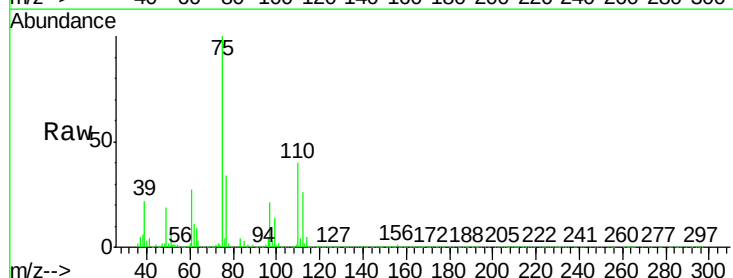
RT: 11.29 min Scan# 1706

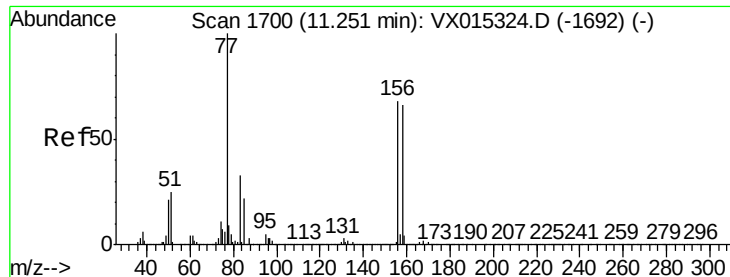
Delta R.T. -0.01 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Tgt Ion:	75	Resp:	177233
Ion Ratio	Lower	Upper	
75	100		
77	38.2	21.2	63.6





#77

Bromobenzene

Concen: 18.159 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_X

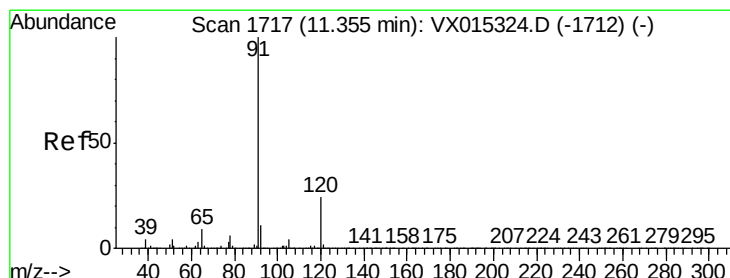
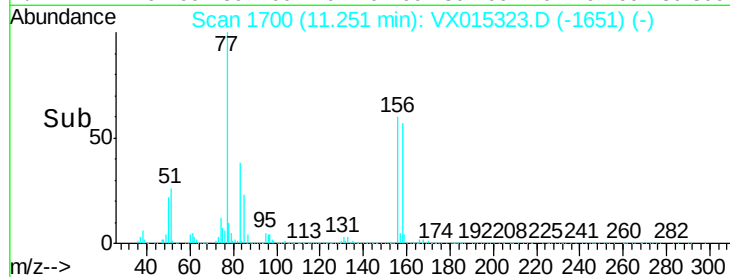
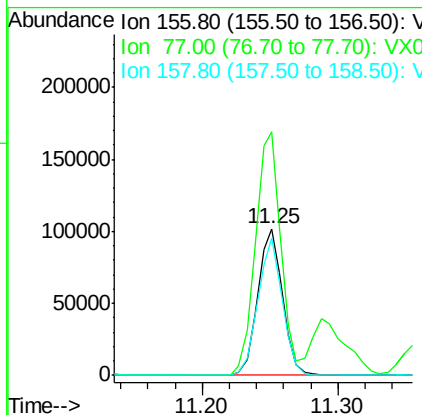
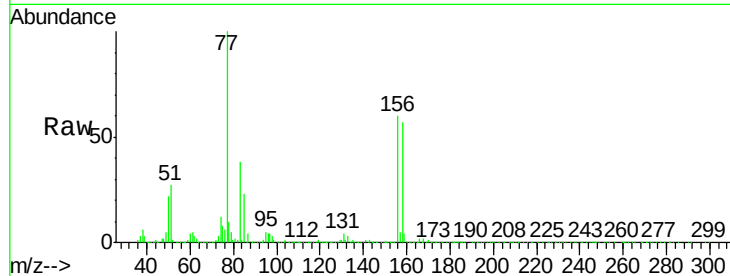
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	129738
Ion Ratio	Lower	Upper	
156	100		
77	169.8	81.4	244.2
158	93.7	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 23.514 ug/l

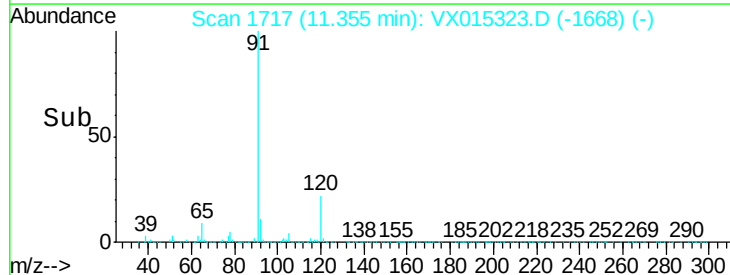
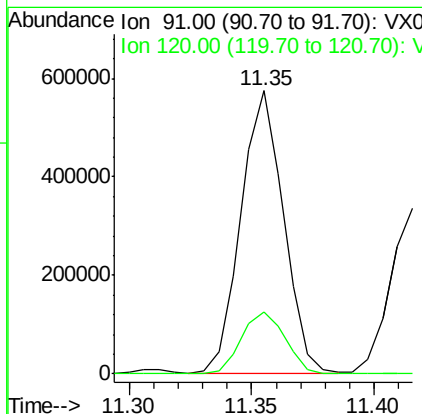
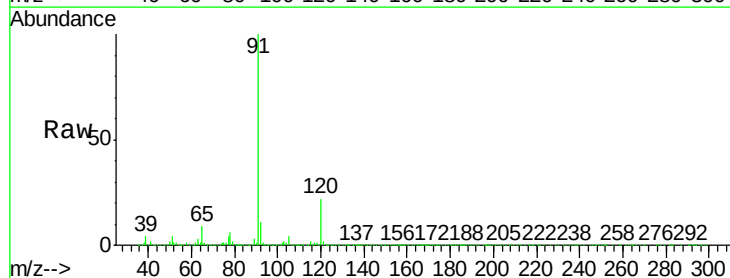
RT: 11.35 min Scan# 1717

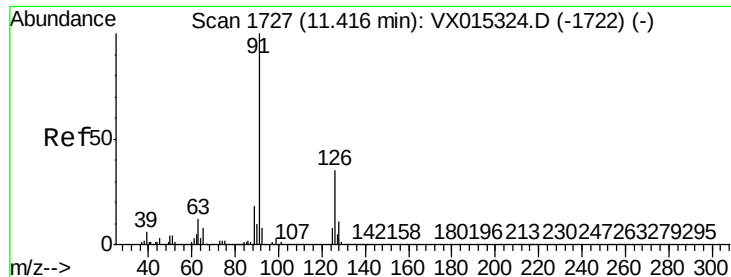
Delta R.T. 0.00 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Tgt Ion:	91	Resp:	694769
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.8	35.3





#79

2-Chlorotoluene

Concen: 23.596 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 417702

Ion Ratio Lower Upper

91 100

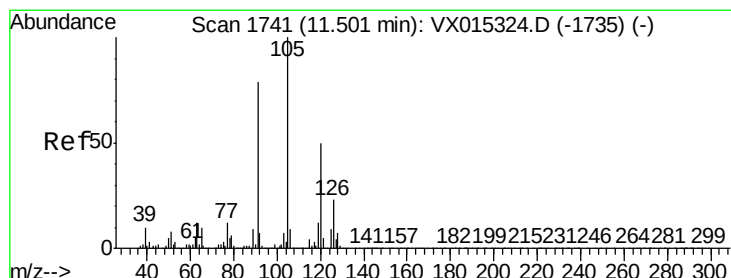
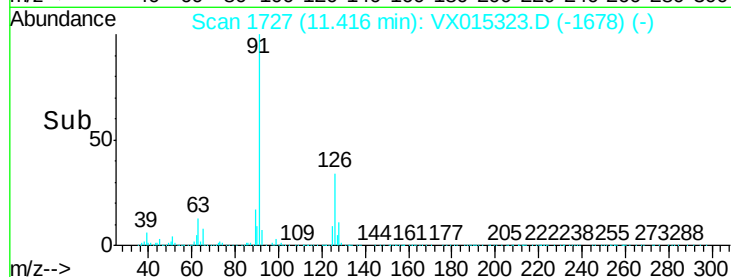
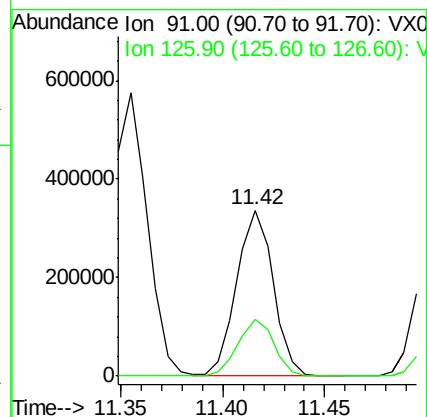
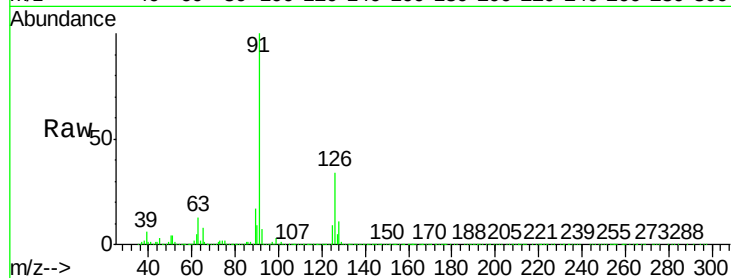
126 33.8 17.2 51.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.717 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX015323.D

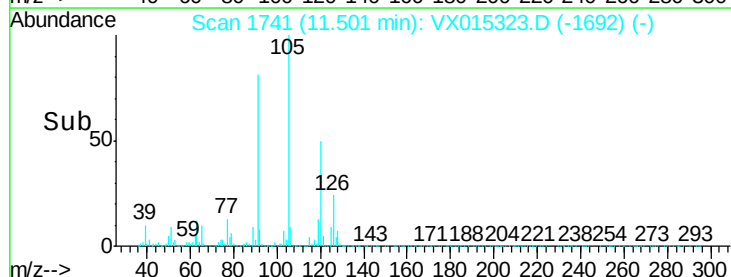
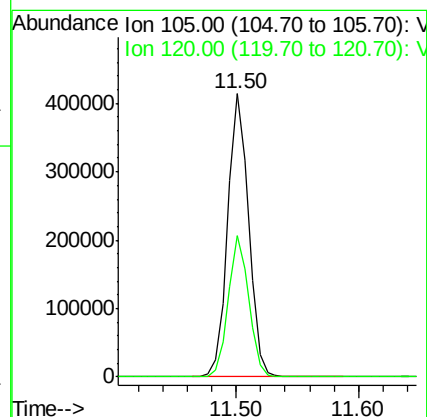
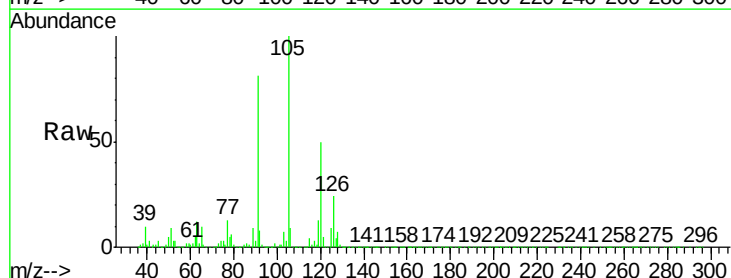
Acq: 18 Mar 2020 13:24

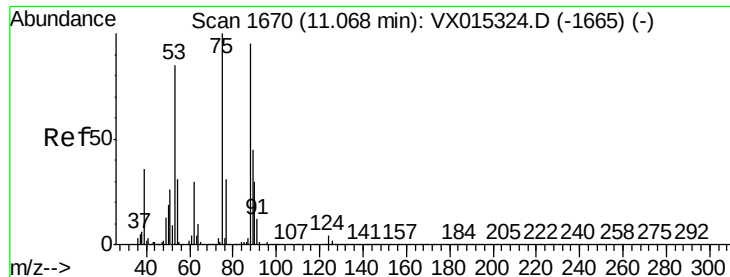
Tgt Ion: 105 Resp: 489904

Ion Ratio Lower Upper

105 100

120 48.7 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.767 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_X

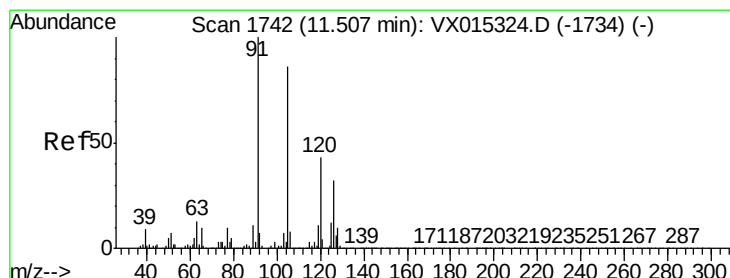
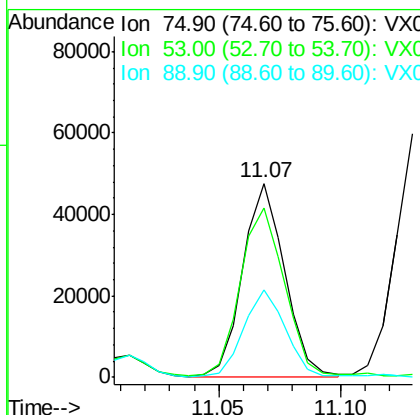
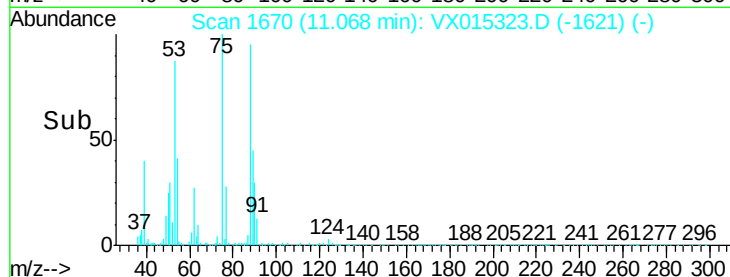
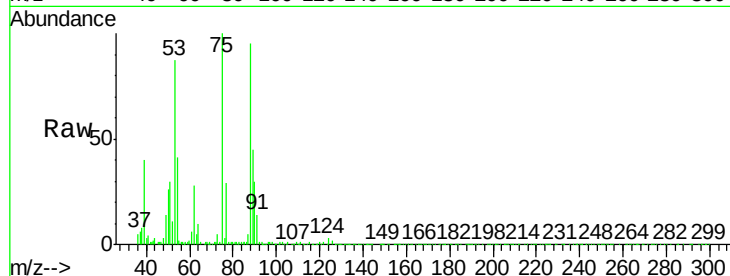
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	56498
Ion Ratio	Lower	Upper	
75	100		
53	91.9	68.0	102.0
89	44.8	37.1	55.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.365 ug/l

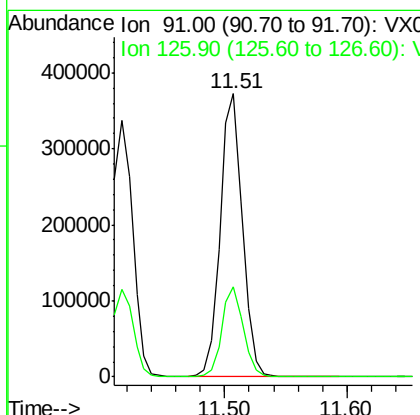
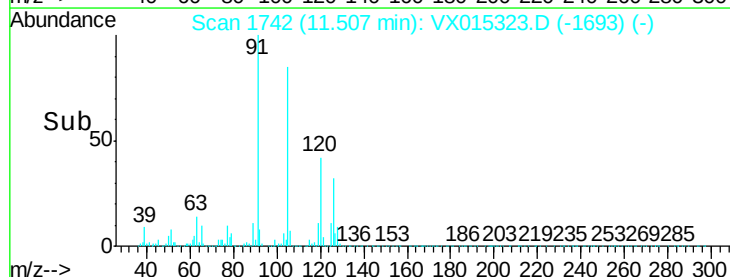
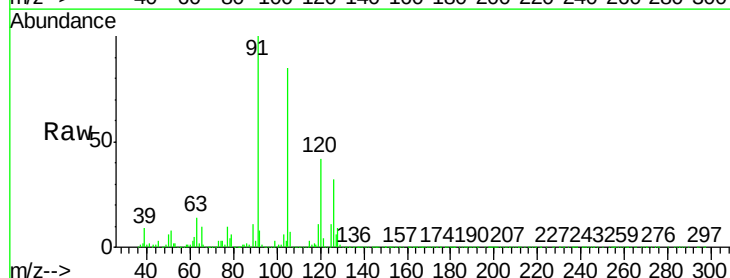
RT: 11.51 min Scan# 1742

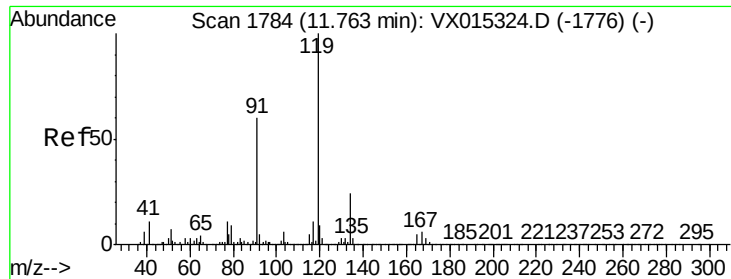
Delta R.T. 0.00 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Tgt Ion:	91	Resp:	467278
Ion Ratio	Lower	Upper	
91	100		
126	30.7	15.4	46.2





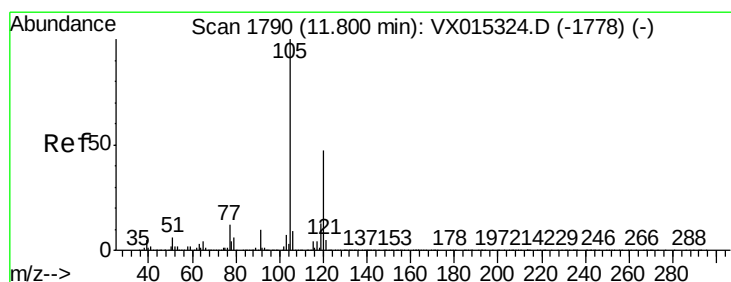
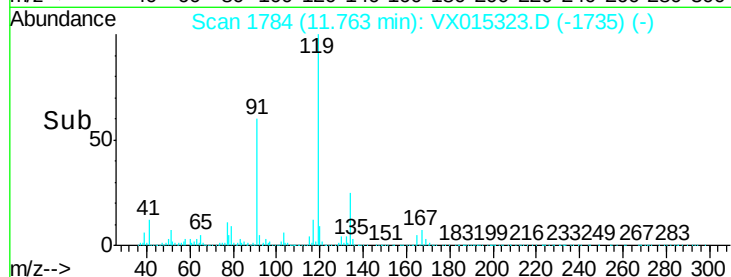
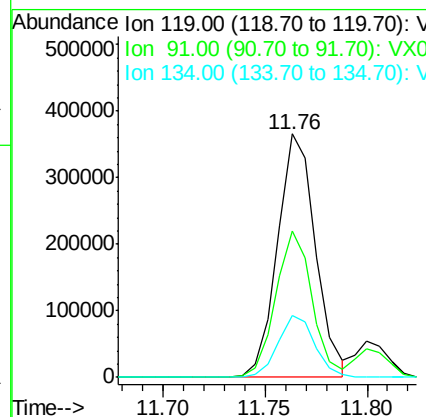
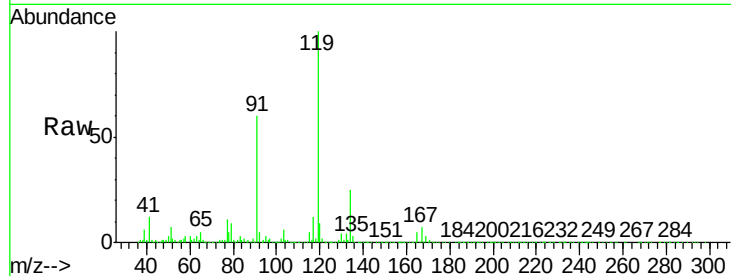
#83
tert-Butylbenzene
Concen: 22.683 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.6	28.1	84.4
134	24.7	11.6	34.8

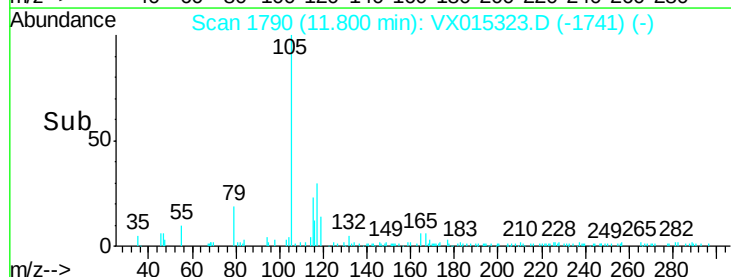
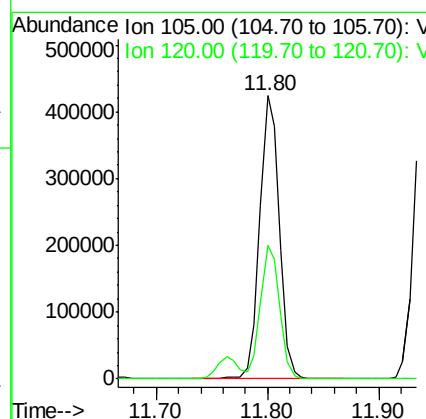
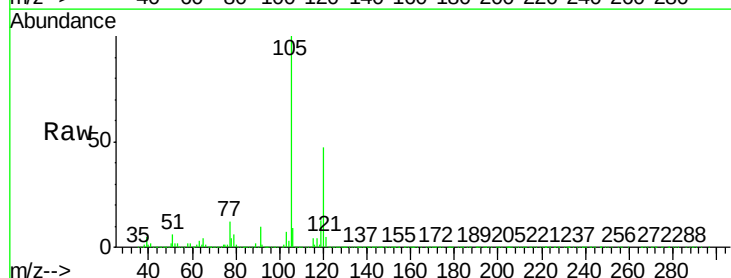
Manual Integrations
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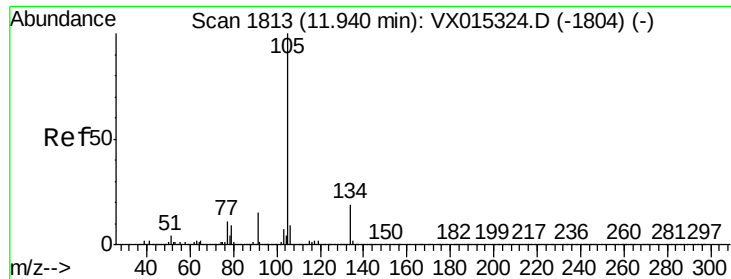
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3/19/2020 12:00:51 PM



#84
1,2,4-Trimethylbenzene
Concen: 23.844 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.2





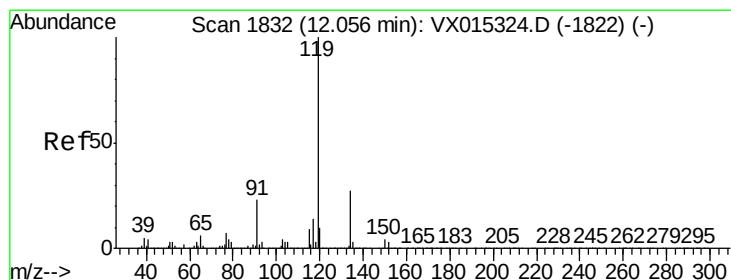
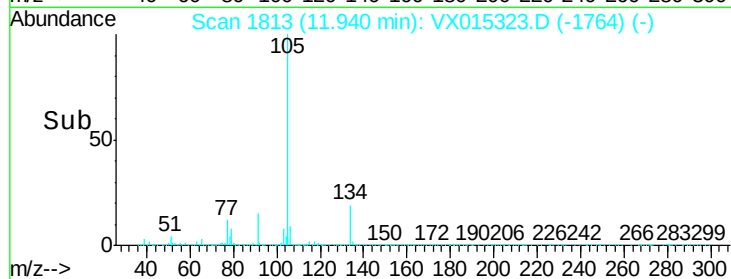
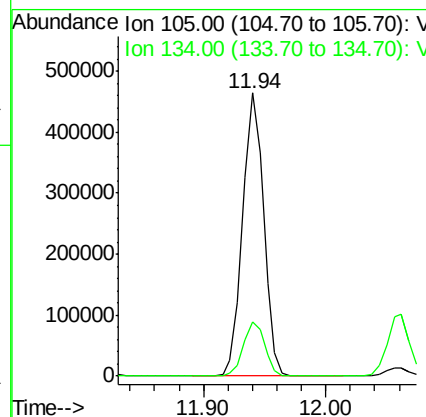
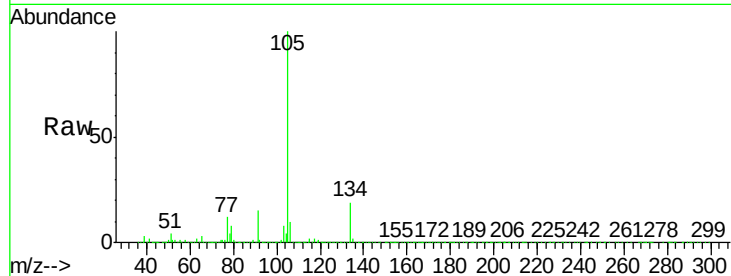
#85
 sec-Butylbenzene
 Concen: 21.614 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX015323.D
 Acq: 18 Mar 2020 13:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5

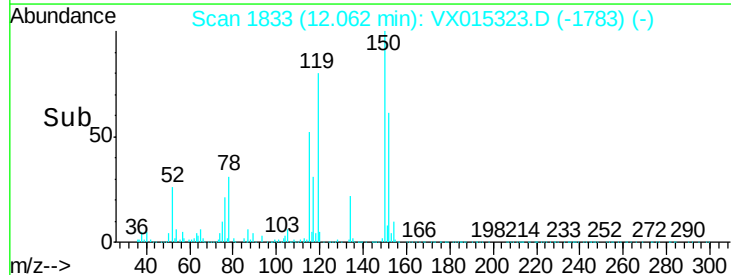
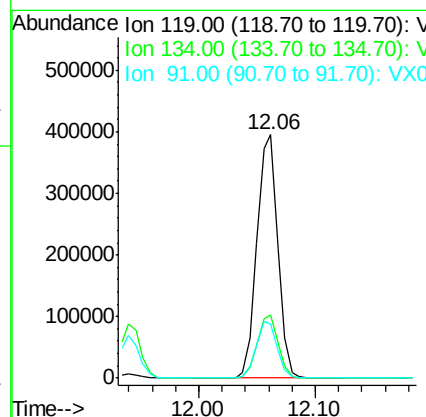
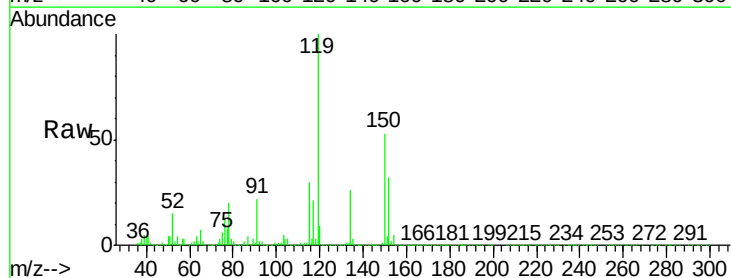
Manual Integrations
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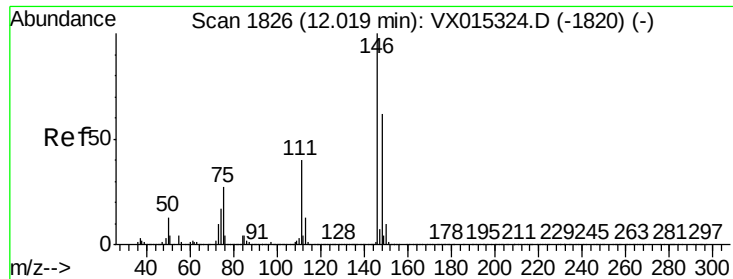
MMDadoda
 3/19/2020 12:00:51 PM



#86
 p-Isopropyltoluene
 Concen: 21.267 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.01 min
 Lab File: VX015323.D
 Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.2	39.6
91	23.2	11.0	33.0





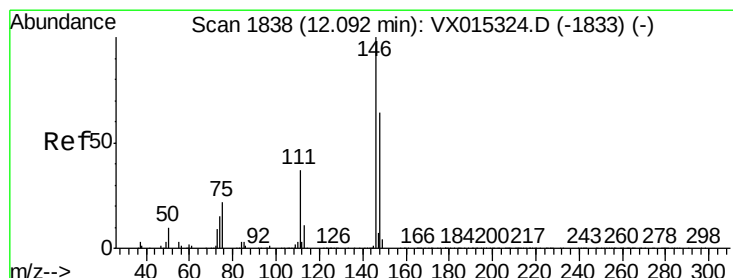
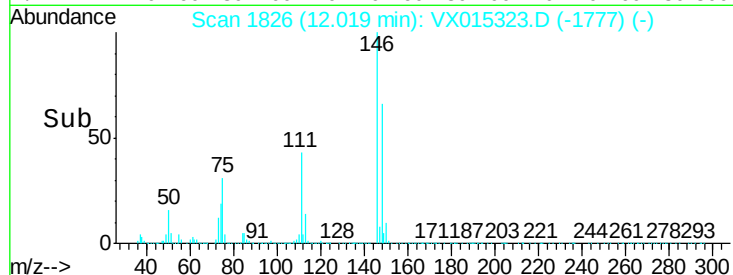
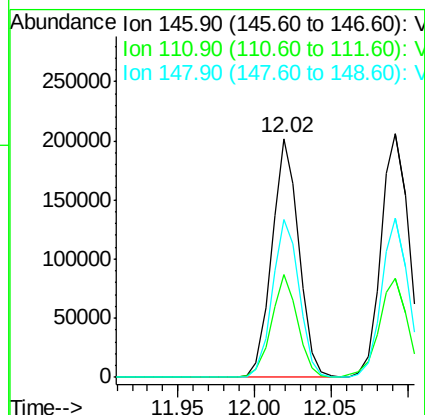
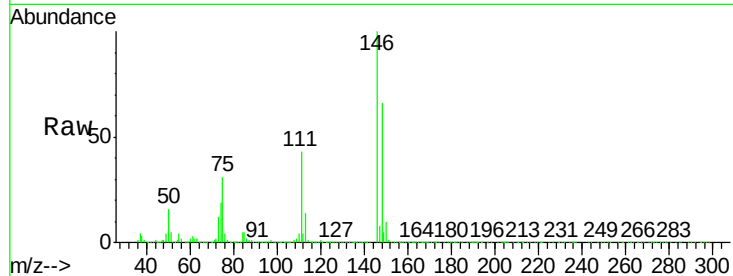
#87
 1,3-Dichlorobenzene
 Concen: 19.583 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX015323.D
 Acq: 18 Mar 2020 13:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.3	61.0
148	65.5	31.4	94.3

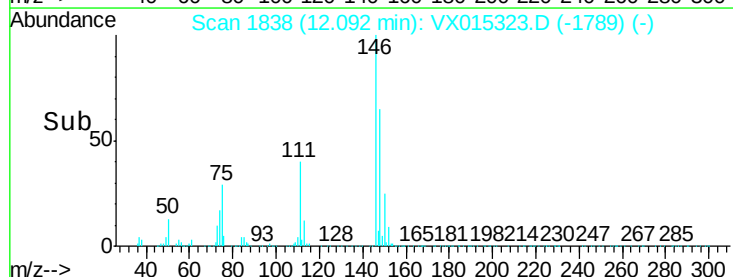
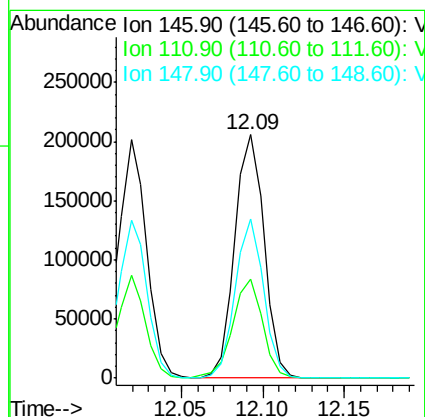
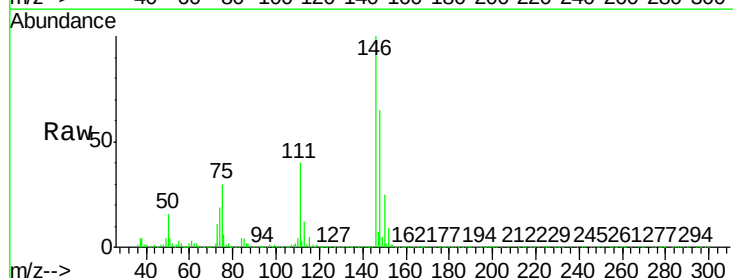
Manual Integrations
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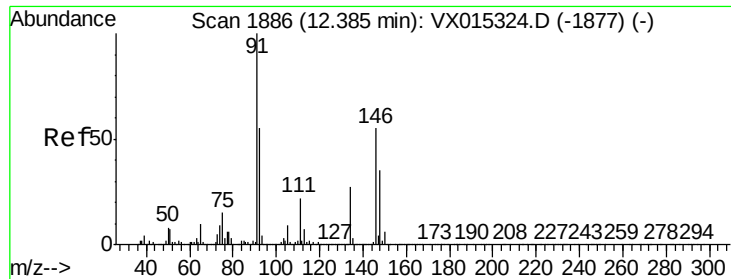
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 3/19/2020 12:00:51 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.694 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX015323.D
 Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.7	59.1
148	63.4	32.0	96.0





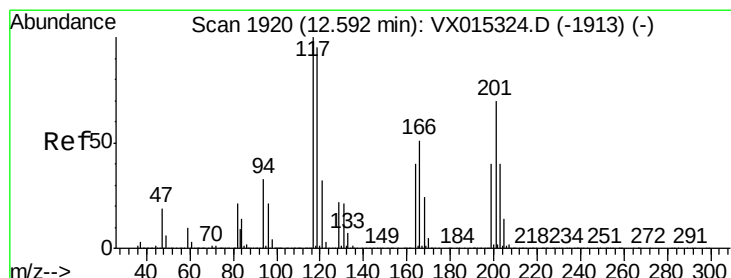
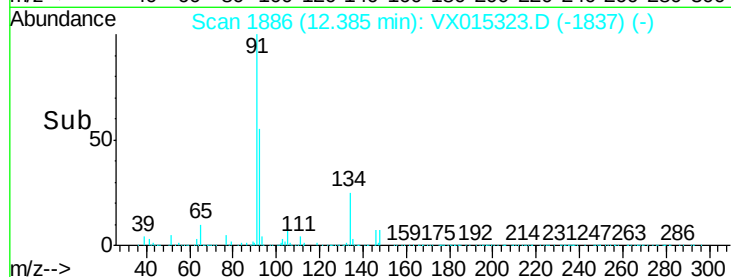
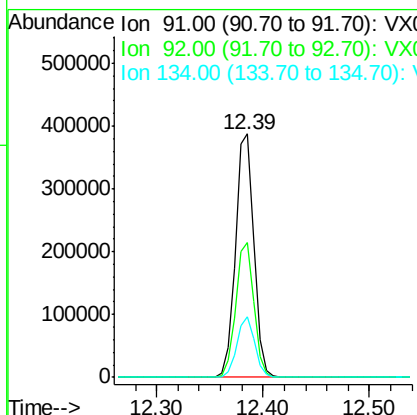
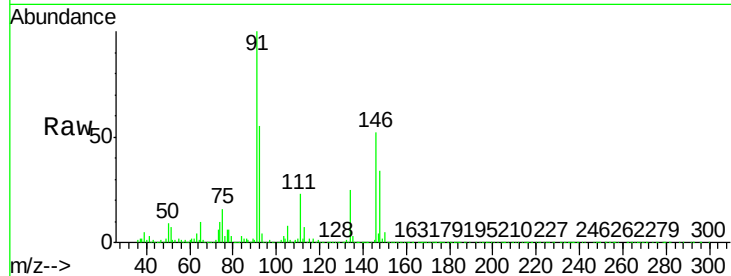
#89
n-Butylbenzene
Concen: 22.574 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.5	82.4
134	24.2	13.2	39.6

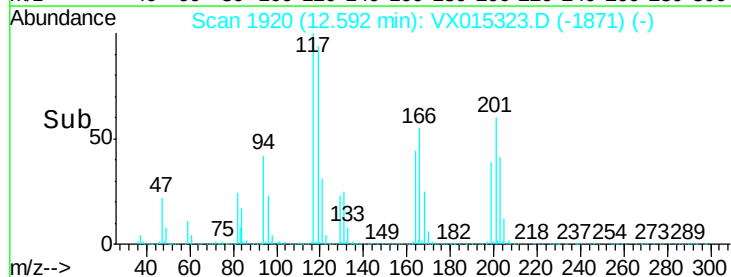
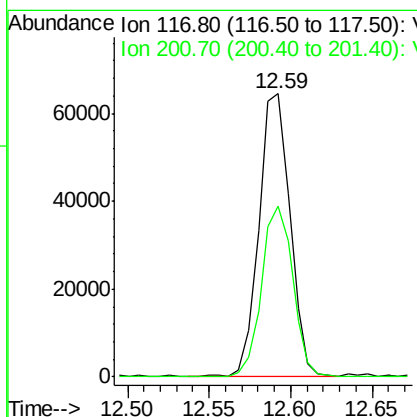
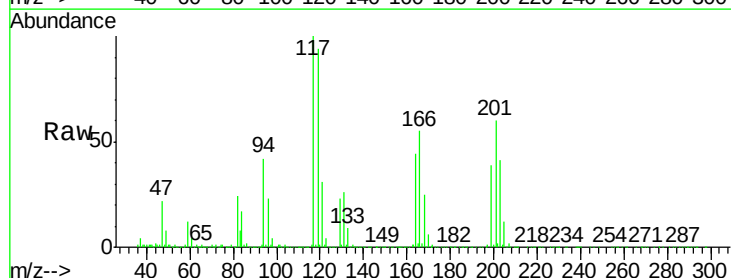
Manual Integrations
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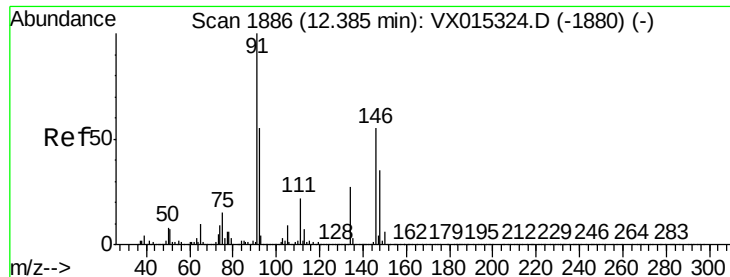
MMDadoda
3/19/2020 12:00:51 PM



#90
Hexachloroethane
Concen: 19.456 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	60.9	32.7	98.1





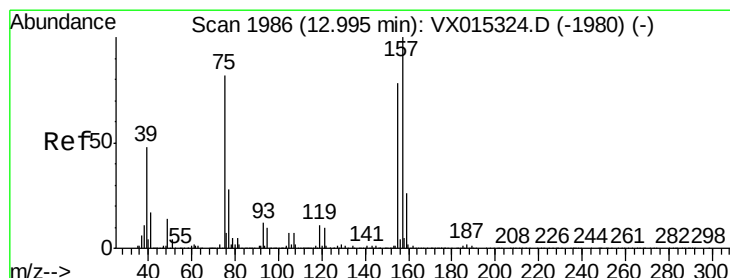
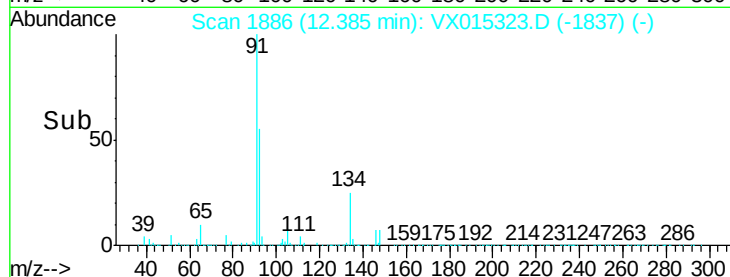
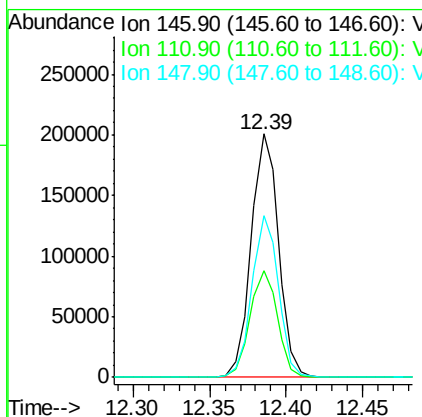
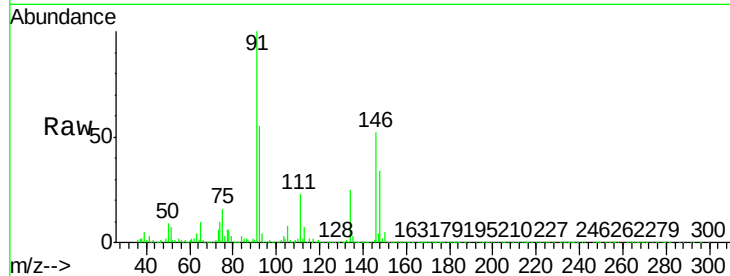
#91
1,2-Dichlorobenzene
Concen: 19.707 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	20.6	61.8
148	64.6	31.6	94.8

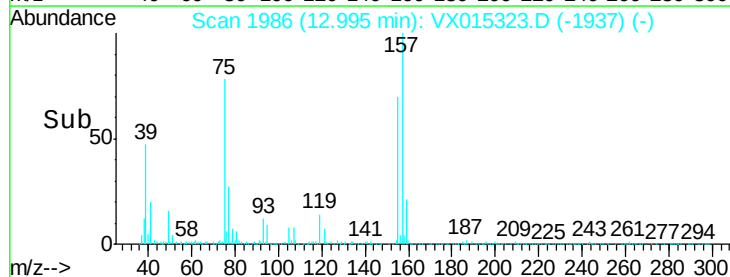
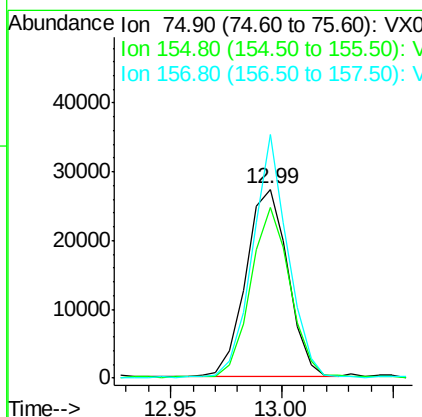
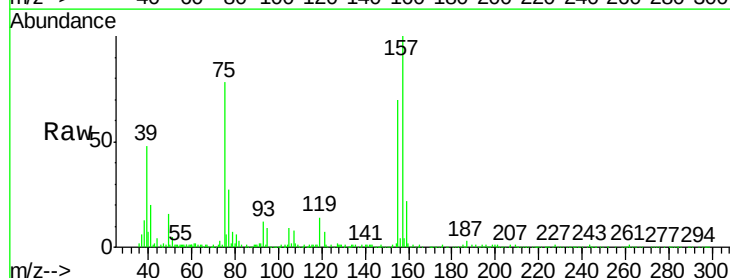
Manual Integrations
APPROVED

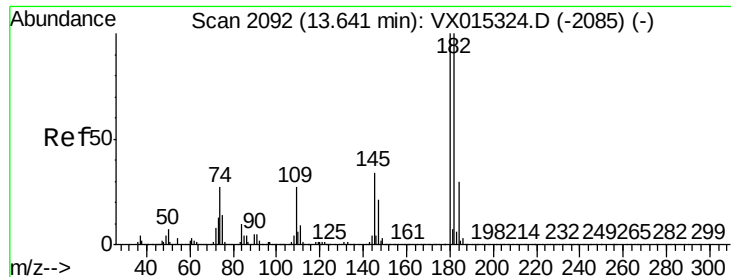
MMDadoda
3/19/2020 12:00:51 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 21.043 ug/l
RT: 12.99 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.4	48.9	146.7
157	110.1	61.1	183.3





#93

1,2,4-Trichlorobenzene

Concen: 18.627 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_X

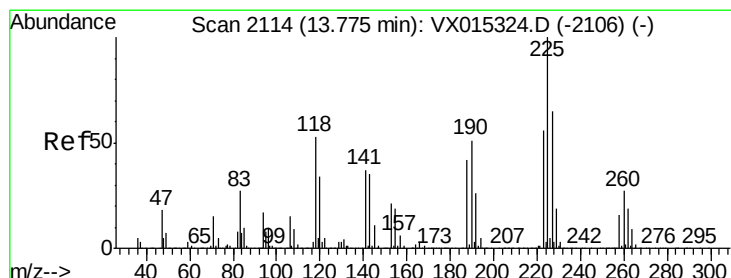
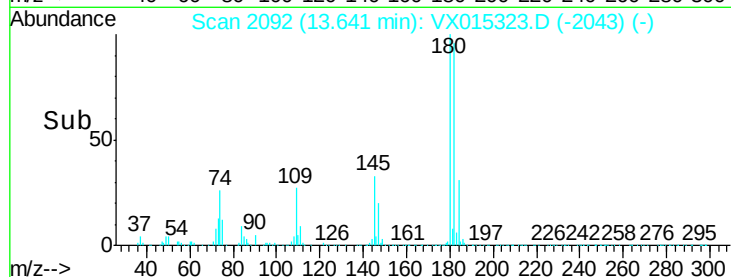
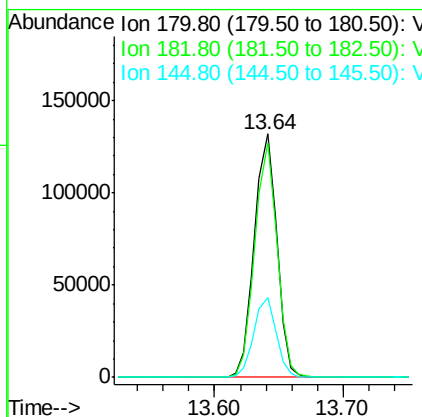
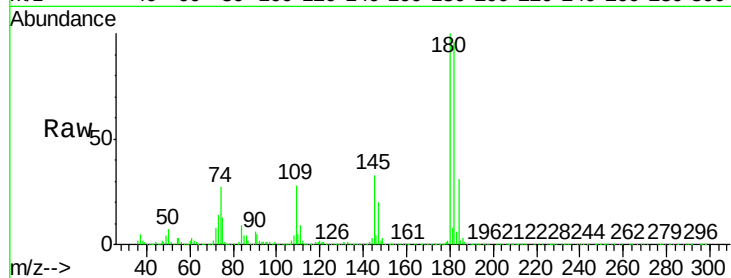
ClientSampleId :

VSTDIC020

Tot Ion:	180	Resp:	158707
Ion Ratio	Lower	Upper	
180	100		
182	94.6	48.6	145.9
145	32.6	16.7	50.1

Manual Integrations
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3/19/2020 12:00:51 PM



#94

Hexachlorobutadiene

Concen: 15.441 ug/l

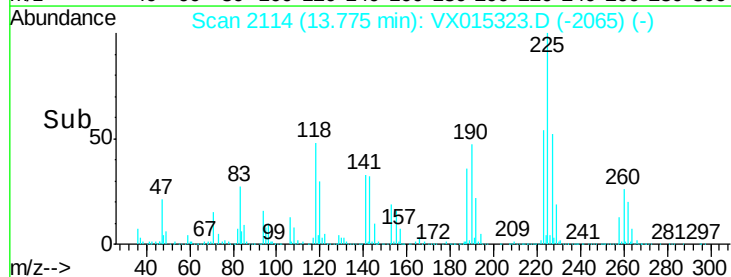
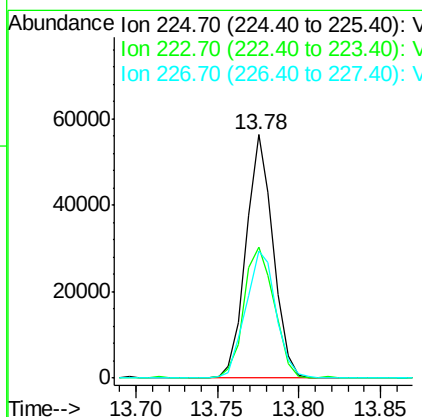
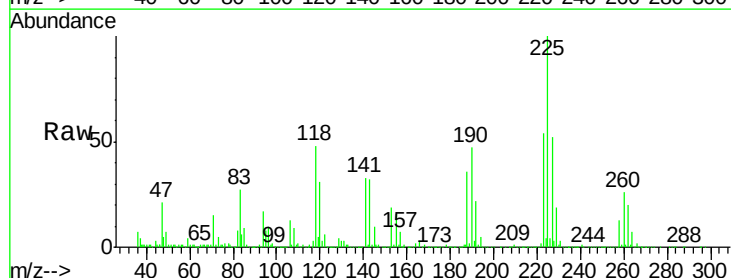
RT: 13.78 min Scan# 2114

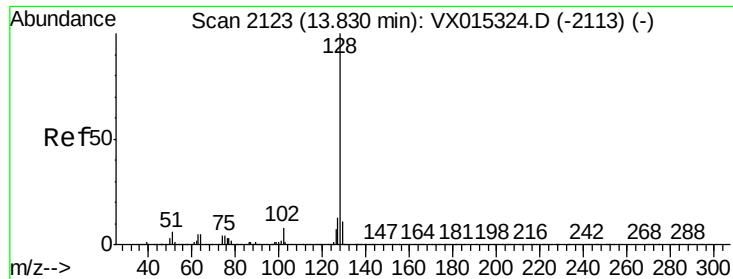
Delta R.T. 0.00 min

Lab File: VX015323.D

Acq: 18 Mar 2020 13:24

Tgt Ion:	225	Resp:	65458
Ion Ratio	Lower	Upper	
225	100		
223	59.9	30.6	91.6
227	58.3	32.3	96.8





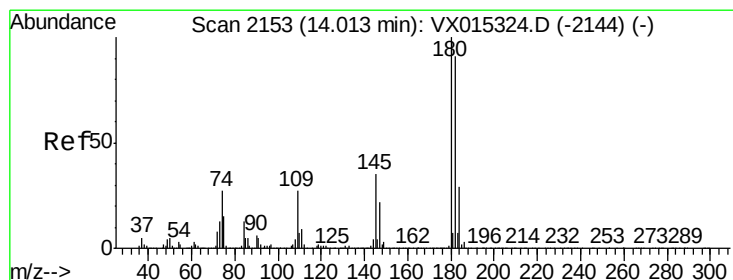
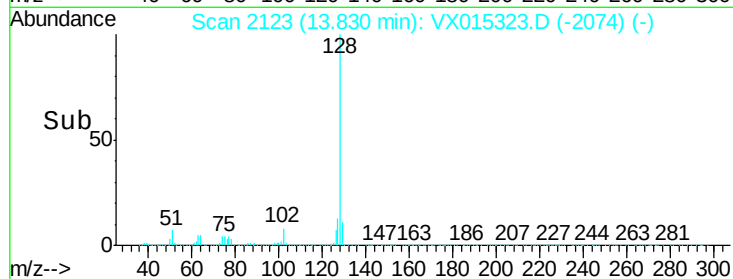
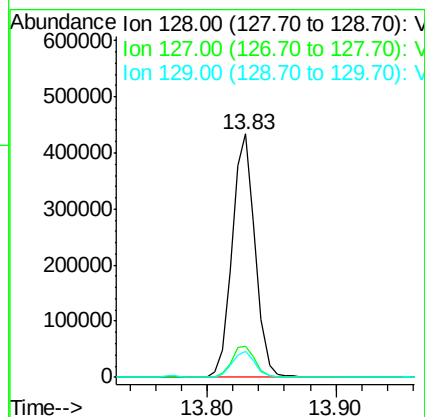
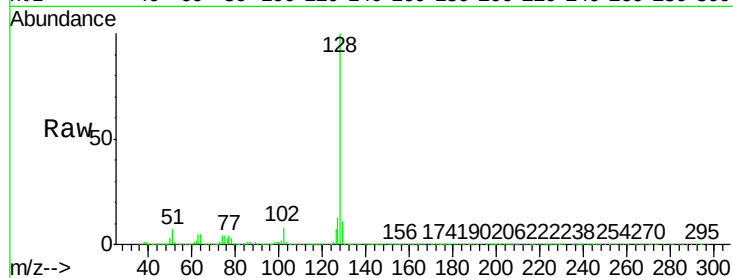
#95
Naphthalene
Concen: 22.337 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion:	128	Resp:	540531
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.2	15.4
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/19/2020 12:00:51 PM



#96
1,2,3-Trichlorobenzene
Concen: 15.956 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX015323.D
Acq: 18 Mar 2020 13:24

Tgt Ion:	180	Resp:	135380
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.0	141.0
145	36.2	17.6	52.8

