

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030420\
 Data File : VX015081.D
 Acq On : 04 Mar 2020 09:24
 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
 3/5/2020 12:32:26 PM

Quant Time: Mar 04 13:58:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 13:12:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	400158	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	609320	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	562926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	285517	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	92925	19.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.14%	
35) Dibromofluoromethane	5.49	113	75308	19.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.18%	
50) Toluene-d8	8.71	98	289408	19.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.58%	
62) 4-Bromofluorobenzene	11.13	95	102608	19.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	67329	19.215	ug/l	100
3) Chloromethane	1.32	50	96958	19.534	ug/l	99
4) Vinyl Chloride	1.40	62	98211	19.513	ug/l	99
5) Bromomethane	1.64	94	59777	19.319	ug/l	99
6) Chloroethane	1.72	64	60118	19.912	ug/l	97
7) Trichlorofluoromethane	1.93	101	117979	19.700	ug/l	95
8) Diethyl Ether	2.18	74	52805	19.263	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	71062	18.860	ug/l	97
10) Methyl Iodide	2.51	142	81146	19.062	ug/l	99
11) Tert butyl alcohol	3.05	59	77528	94.126	ug/l	100
12) 1,1-Dichloroethene	2.37	96	73859	18.994	ug/l	99
13) Acrolein	2.29	56	71598	92.498	ug/l	99
14) Allyl chloride	2.72	41	129835	19.148	ug/l	98
15) Acrylonitrile	3.14	53	201103	98.039	ug/l	100
16) Acetone	2.44	43	193445	100.617	ug/l	98
17) Carbon Disulfide	2.56	76	207922	19.254	ug/l	100
18) Methyl Acetate	2.76	43	87580	18.630	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	240813	19.817	ug/l	98
20) Methylene Chloride	2.85	84	83310	18.516	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	79316	19.102	ug/l	98
22) Diisopropyl ether	3.84	45	268472	19.874	ug/l	95
23) Vinyl Acetate	3.81	43	1118345	100.712	ug/l	100
24) 1,1-Dichloroethane	3.69	63	147034	19.611	ug/l	99
25) 2-Butanone	4.66	43	287972	102.311	ug/l	100
26) 2,2-Dichloropropane	4.58	77	114905	19.306	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	89874	19.294	ug/l	98
28) Bromochloromethane	5.01	49	74527	21.829	ug/l	94
29) Tetrahydrofuran	5.12	42	178649	98.463	ug/l	98
30) Chloroform	5.20	83	141291	19.335	ug/l	99
31) Cyclohexane	5.58	56	128173	19.166	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	118669	19.590	ug/l	99
36) 1,1-Dichloropropene	5.79	75	108659	19.277	ug/l	98
37) Ethyl Acetate	4.82	43	108952	20.842	ug/l	99
38) Carbon Tetrachloride	5.78	117	102363	19.239	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	129496	19.676	ug/l	99
40) Benzene	6.14	78	331991	19.853	ug/l	99
41) Methacrylonitrile	5.03	41	60949	21.023	ug/l	98
42) 1,2-Dichloroethane	6.18	62	116043	20.207	ug/l	100
43) Isopropyl Acetate	6.43	43	179524	19.519	ug/l	99
44) Trichloroethene	7.21	130	89599	19.239	ug/l	99
45) 1,2-Dichloropropane	7.51	63	85239	19.693	ug/l	98
46) Dibromomethane	7.65	93	53936	19.123	ug/l	98
47) Bromodichloromethane	7.89	83	106758	19.142	ug/l	96
48) Methyl methacrylate	7.76	41	88646	18.935	ug/l	99
49) 1,4-Dioxane	7.75	88	38461	380.881	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	548614	100.891	ug/l	100
52) Toluene	8.78	92	203982	19.951	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	118050	19.758	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	131496	19.594	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	82856	19.688	ug/l	99
56) Ethyl methacrylate	9.17	69	122269	20.372	ug/l	98
57) 1,3-Dichloropropane	9.37	76	141047	19.922	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	319664	97.756	ug/l	100
59) 2-Hexanone	9.48	43	417047	103.482	ug/l	100
60) Dibromochloromethane	9.57	129	85999	19.453	ug/l	100
61) 1,2-Dibromoethane	9.67	107	85533	19.350	ug/l	100
64) Tetrachloroethene	9.33	164	92984	19.978	ug/l	97
65) Chlorobenzene	10.14	112	220829	19.540	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	81738	19.180	ug/l	98
67) Ethyl Benzene	10.25	91	382735	19.943	ug/l	99
68) m/p-Xylenes	10.35	106	295425	40.460	ug/l	100
69) o-Xylene	10.70	106	137381	19.652	ug/l	98
70) Styrene	10.71	104	237966	19.853	ug/l	99
71) Bromoform	10.85	173	62546	18.927	ug/l #	99
73) Isopropylbenzene	11.01	105	370918	20.336	ug/l	99
74) N-amyl acetate	10.89	43	150464	19.575	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	119390	19.642	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	113212m	20.204	ug/l	
77) Bromobenzene	11.25	156	98161	19.312	ug/l	99
78) n-propylbenzene	11.35	91	426340	20.460	ug/l	99
79) 2-Chlorotoluene	11.42	91	252918	20.324	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	311619	20.524	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	37778	18.825	ug/l	96
82) 4-Chlorotoluene	11.51	91	294898	20.059	ug/l	99
83) tert-Butylbenzene	11.76	119	298560	20.336	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	313071	20.525	ug/l	99
85) sec-Butylbenzene	11.94	105	362927	20.478	ug/l	99
86) p-Isopropyltoluene	12.06	119	333005	20.394	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	174417	19.519	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	176001	19.512	ug/l	99
89) n-Butylbenzene	12.39	91	288999	19.900	ug/l	100
90) Hexachloroethane	12.59	117	57878	18.750	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	175089	19.709	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	24400	20.047	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	118645	19.240	ug/l	98
94) Hexachlorobutadiene	13.78	225	60284	19.051	ug/l	98
95) Naphthalene	13.83	128	347160	20.596	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	121838	19.802	ug/l	99

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

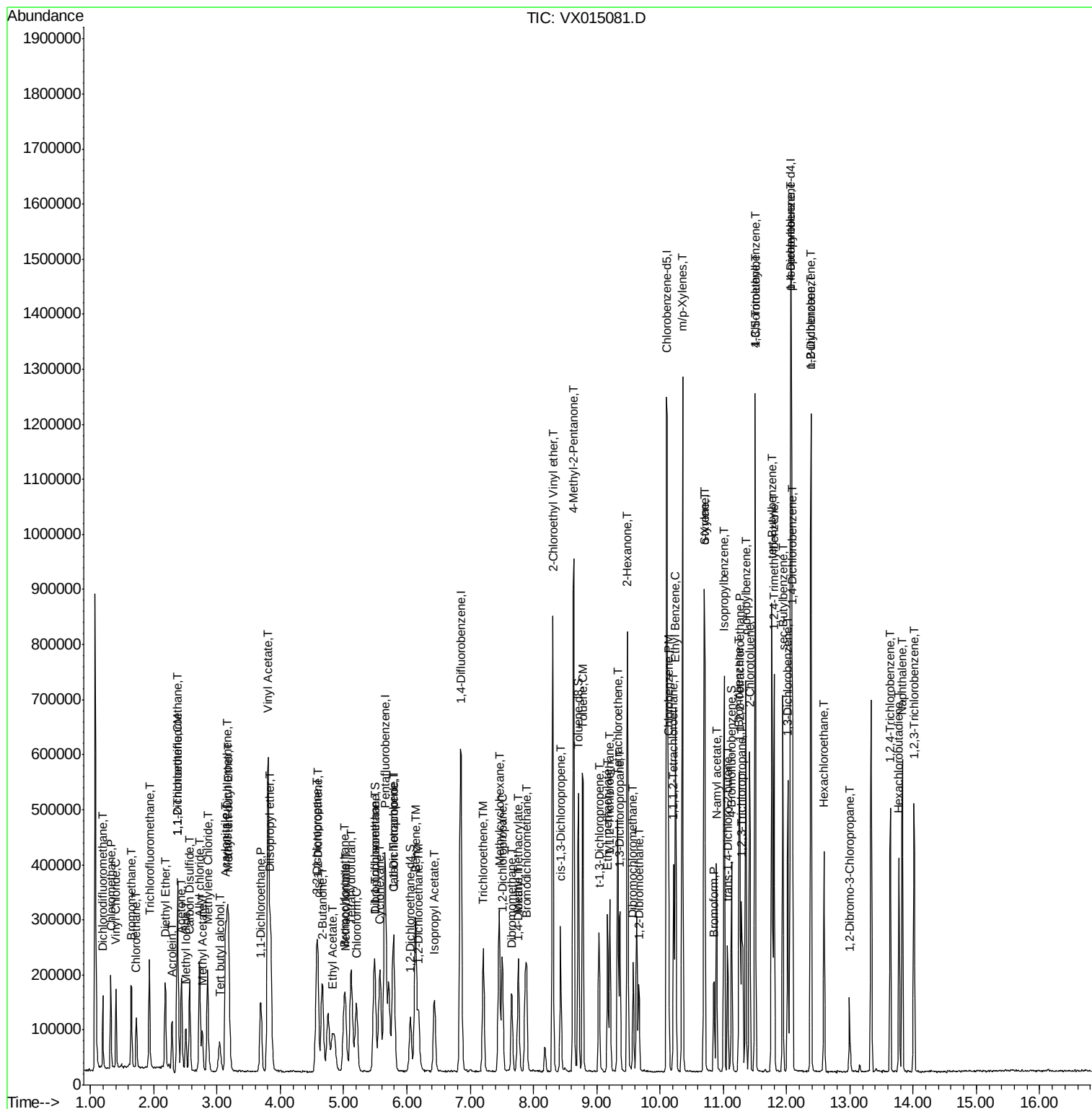
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX030420\
Data File : VX015081.D
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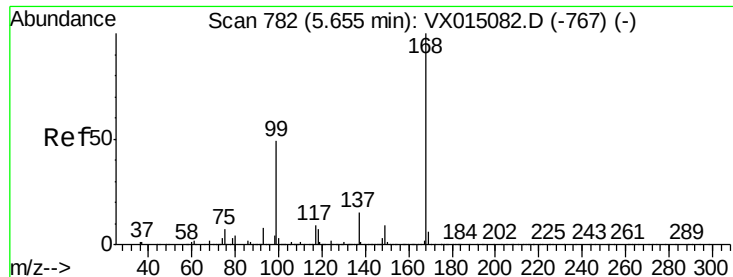
Instrument :
MSVOA_X
Client Sampled :
VSTDIC020

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Quant Title : SW846 8260
QLast Update : Wed Mar 04 13:12:07 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 400158

Ion Ratio Lower Upper

168 100

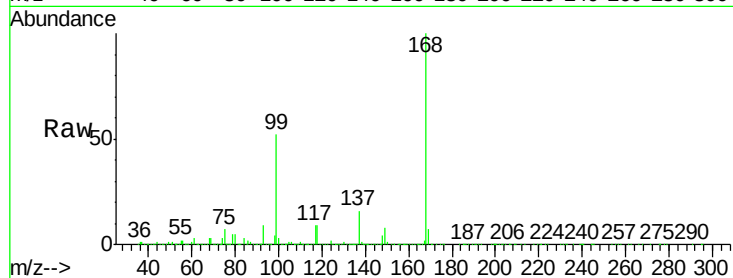
99 52.1 39.4 59.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

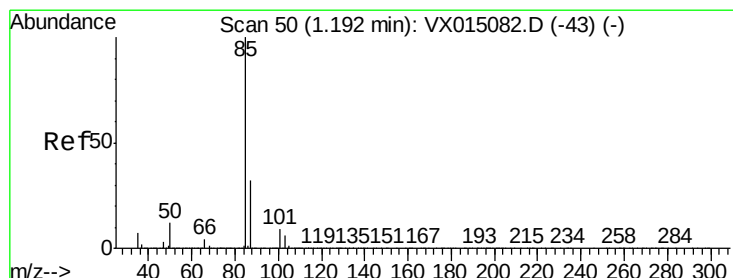
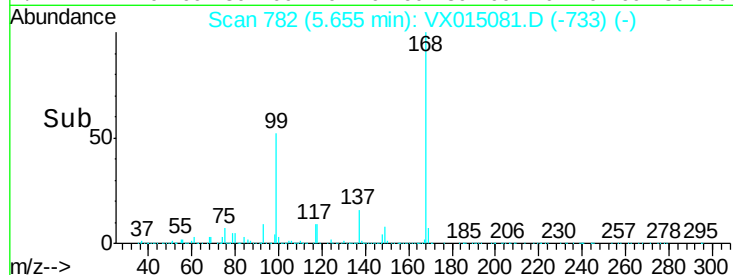
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.215 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX015081.D

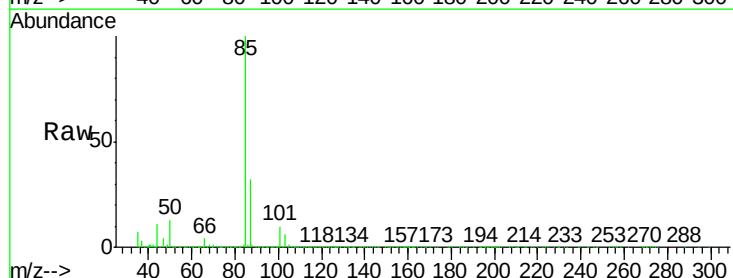
Acq: 04 Mar 2020 09:24

Tgt Ion: 85 Resp: 67329

Ion Ratio Lower Upper

85 100

87 32.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

80000

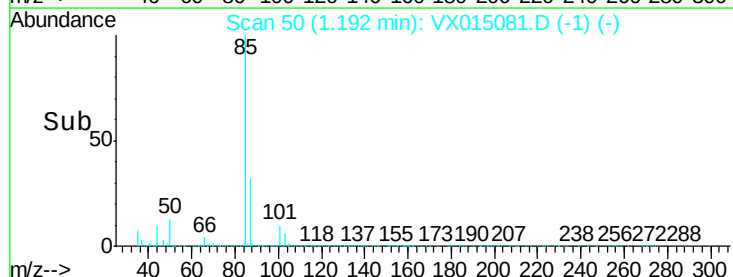
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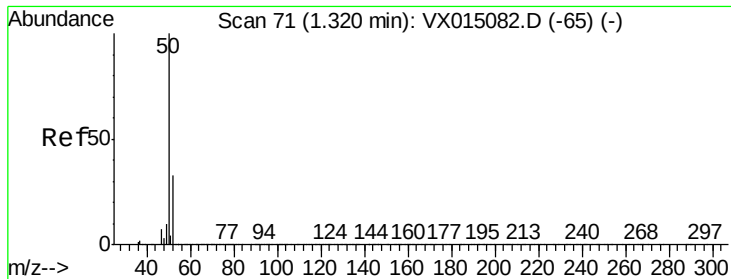
40000

20000

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Time-->





#3

Chloromethane

Concen: 19.534 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 96958

Ion Ratio Lower Upper

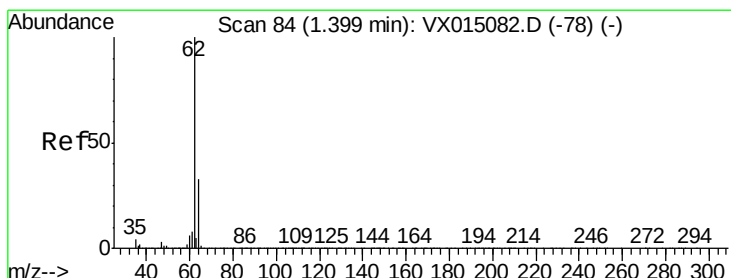
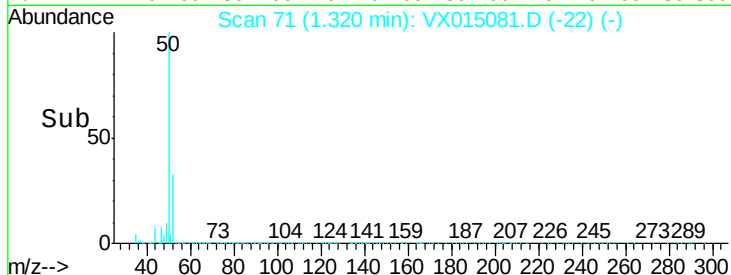
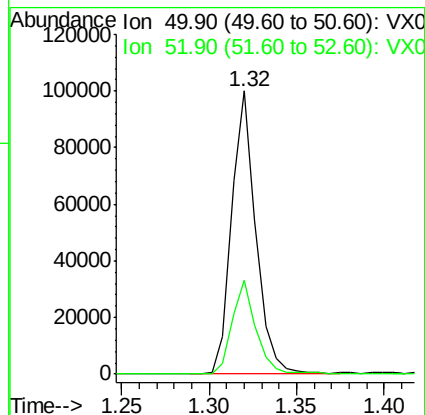
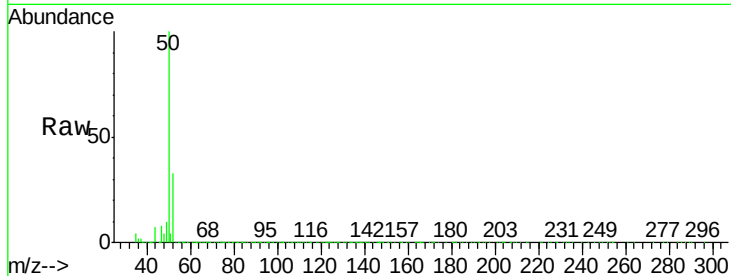
50 100

52 33.2 26.2 39.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.513 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX015081.D

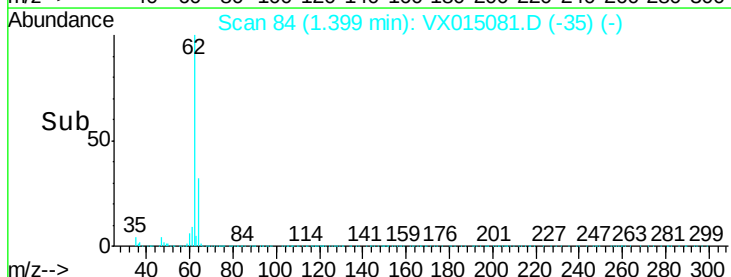
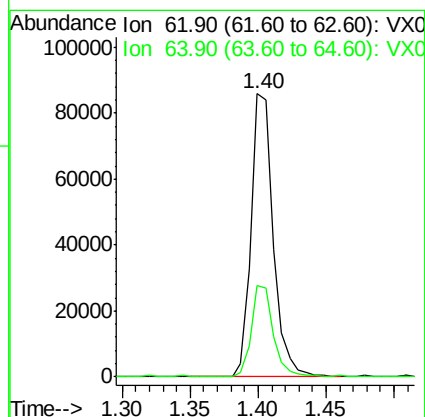
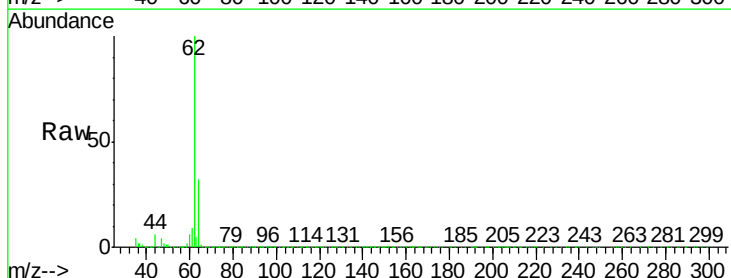
Acq: 04 Mar 2020 09:24

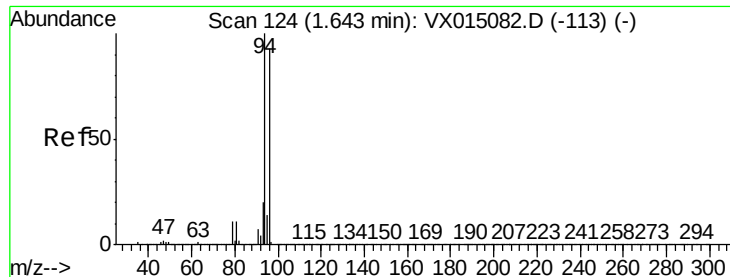
Tgt Ion: 62 Resp: 98211

Ion Ratio Lower Upper

62 100

64 31.9 26.1 39.1





#5

Bromomethane

Concen: 19.319 ug/l

RT: 1.64 min Scan# 124

Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 59777

Ion Ratio Lower Upper

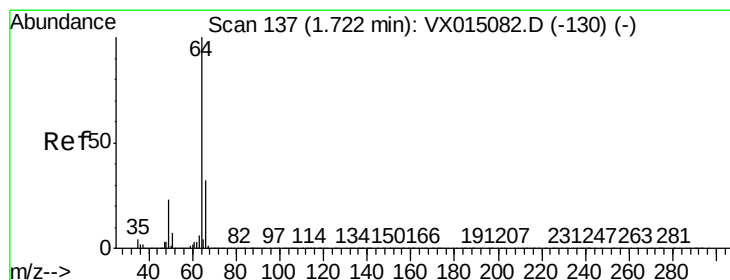
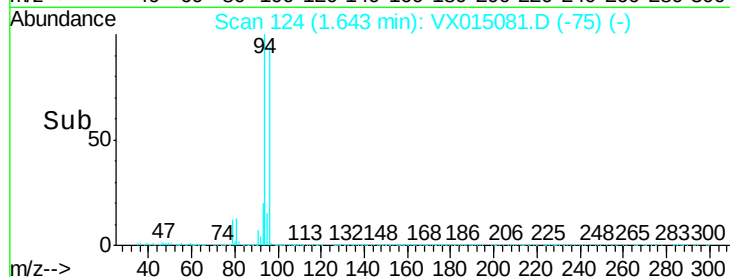
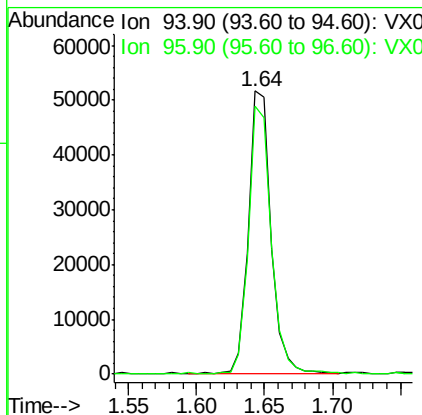
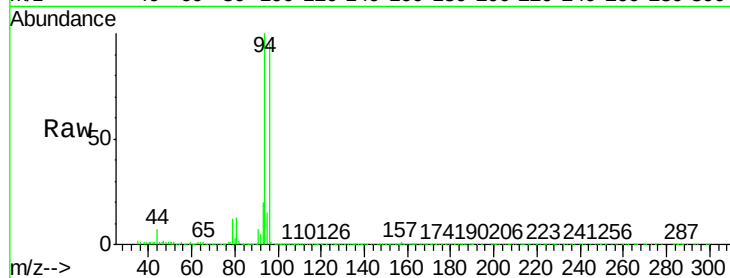
94 100

96 94.2 74.6 111.8

Manual Integrations
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#6

Chloroethane

Concen: 19.912 ug/l

RT: 1.72 min Scan# 137

Delta R.T. -0.00 min

Lab File: VX015081.D

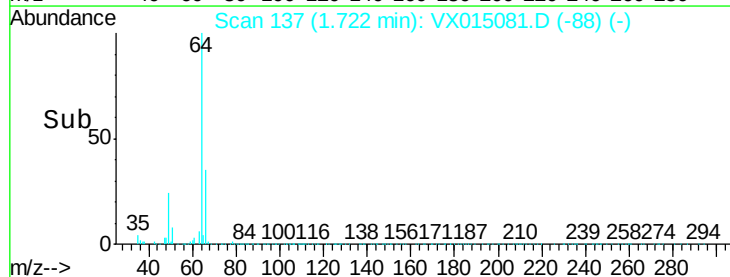
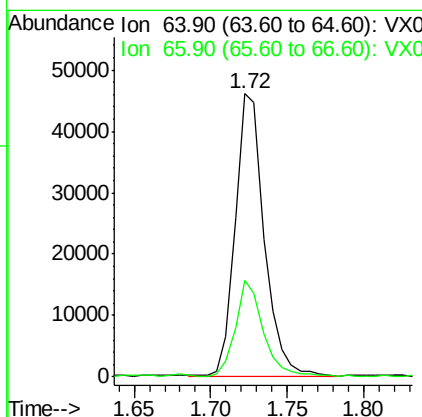
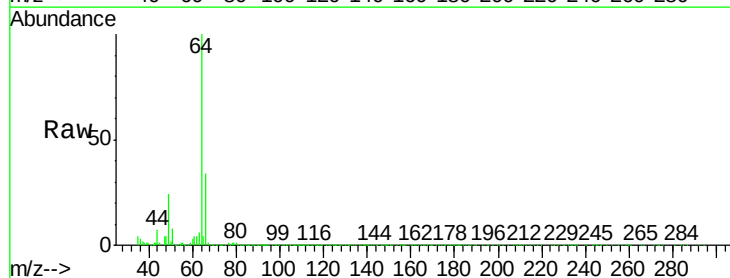
Acq: 04 Mar 2020 09:24

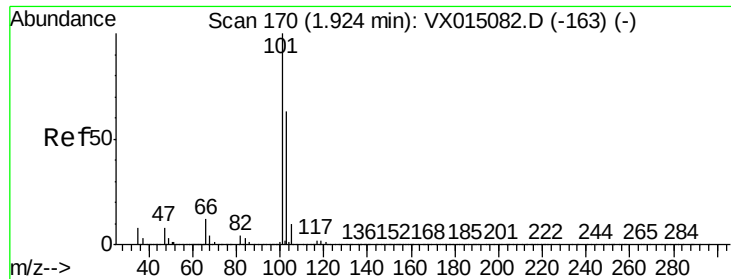
Tgt Ion: 64 Resp: 60118

Ion Ratio Lower Upper

64 100

66 33.9 25.8 38.8





#7

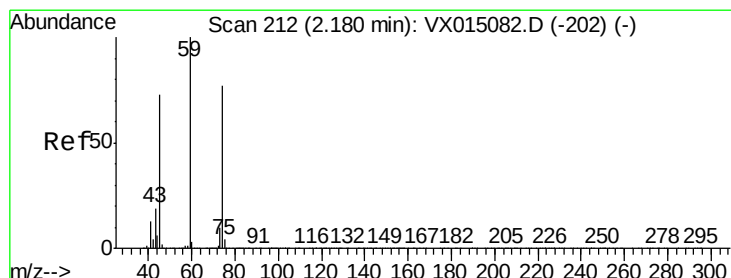
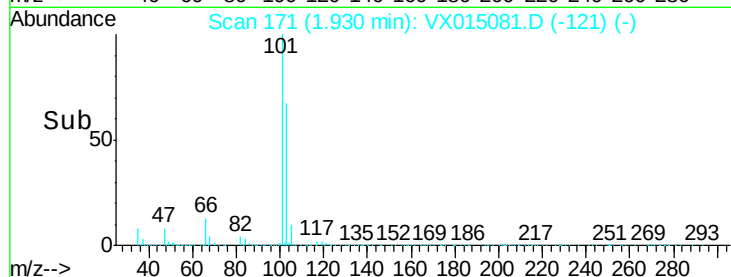
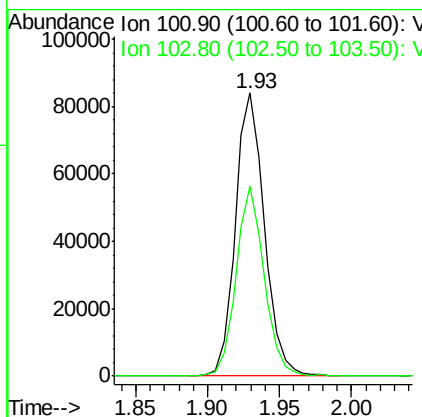
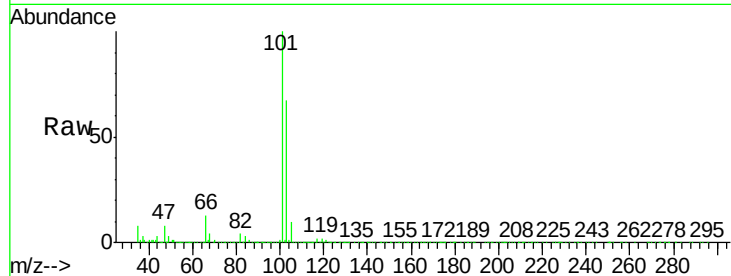
Trichlorofluoromethane
Concen: 19.700 ug/l
RT: 1.93 min Scan# 171
Delta R.T. 0.01 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.9	50.4	75.6

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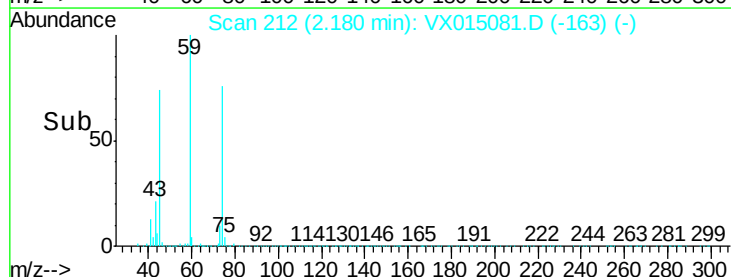
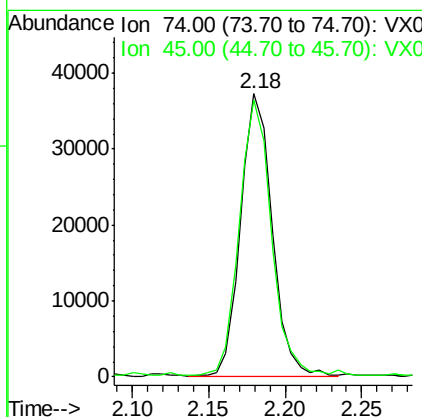
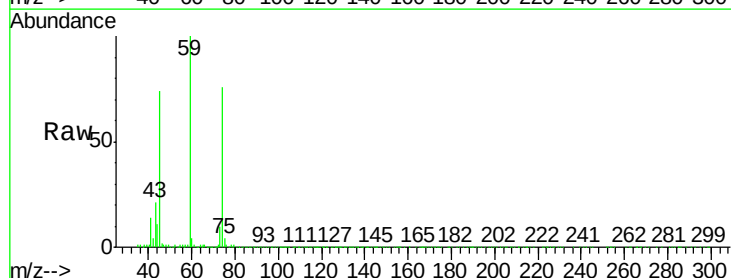
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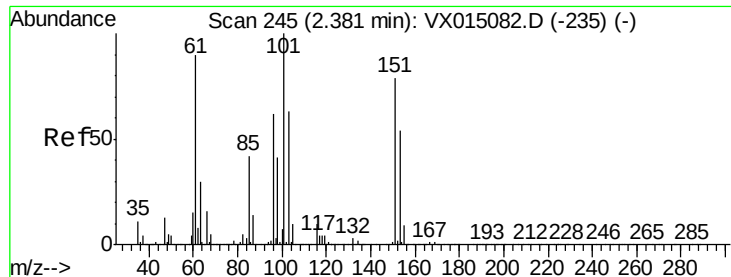


#8

Diethyl Ether
Concen: 19.263 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.6	49.2	147.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.860 ug/l

RT: 2.38 min Scan# 245

Delta R.T. -0.00 min

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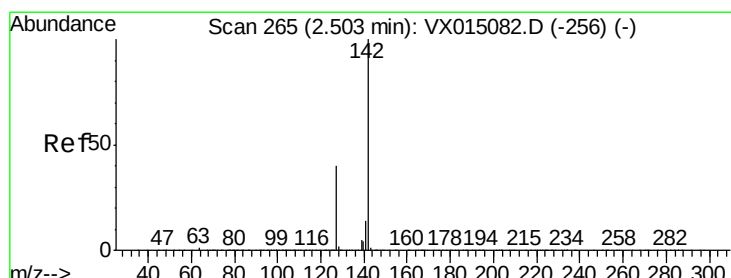
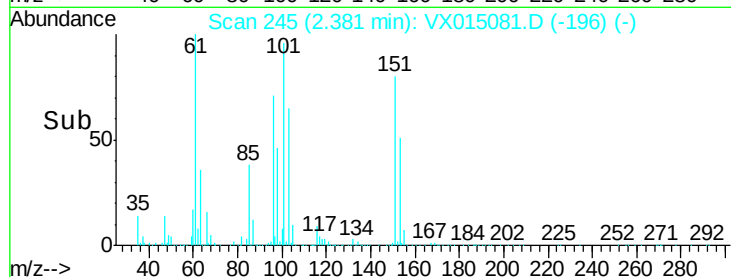
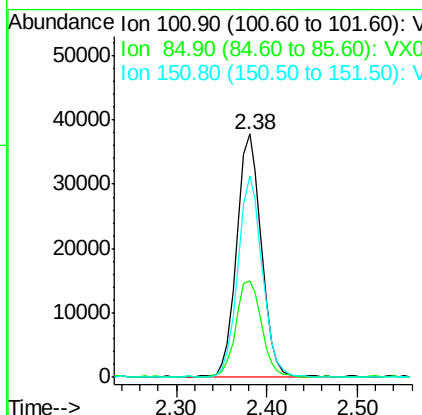
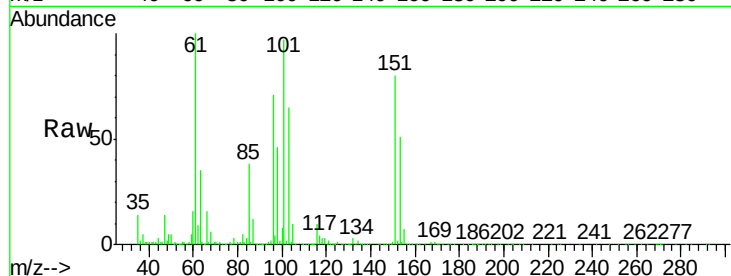
ClientSampled :

VSTDIC020

Tot Ion:	101	Resp:	71062
Ion Ratio	Lower	Upper	
101	100		
85	41.2	33.7	50.5
151	83.1	64.0	96.0

Manual Integrations
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#10

Methyl Iodide

Concen: 19.062 ug/l

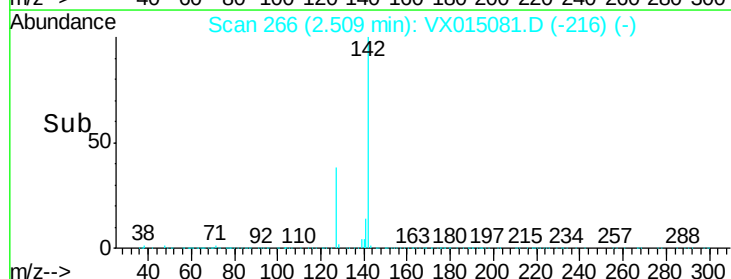
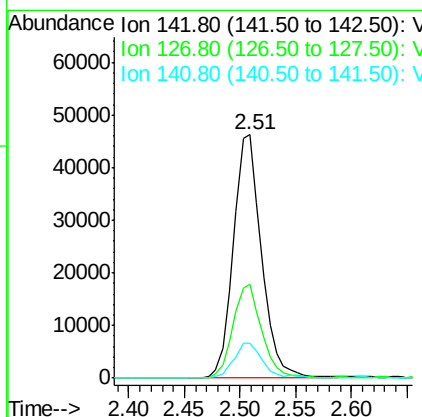
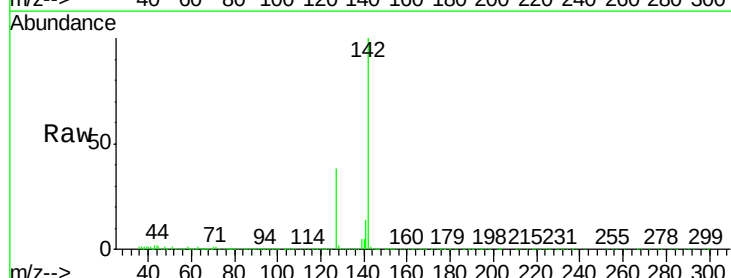
RT: 2.51 min Scan# 266

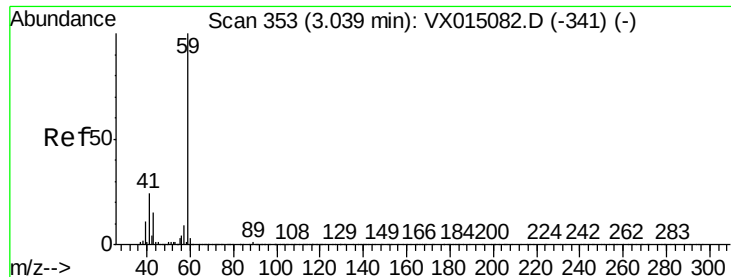
Delta R.T. 0.01 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Tgt Ion:	142	Resp:	81146
Ion Ratio	Lower	Upper	
142	100		
127	38.7	31.7	47.5
141	14.6	11.3	16.9





#11

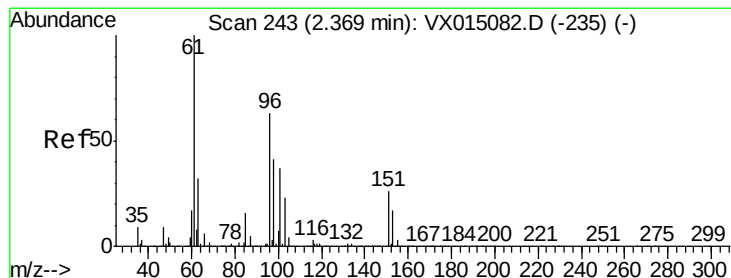
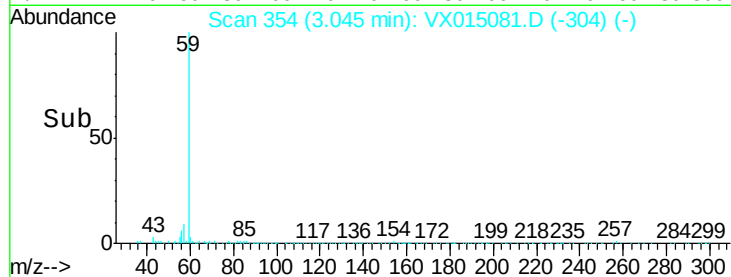
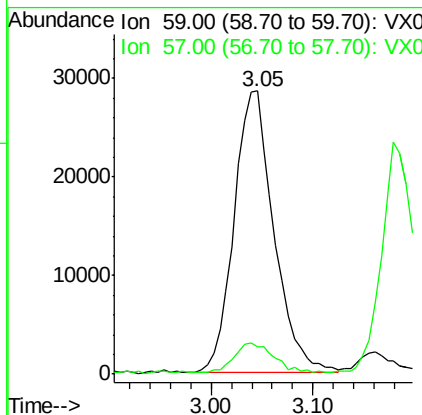
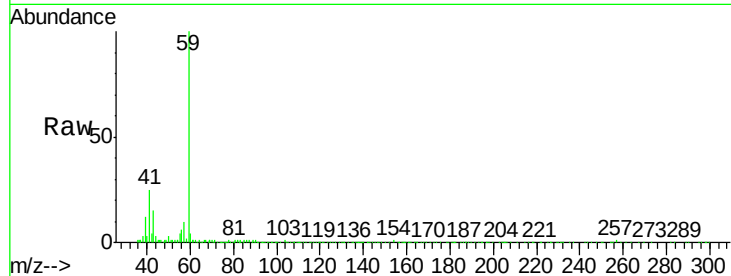
Tert butyl alcohol
 Concen: 94.126 ug/l
 RT: 3.05 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: VX015081.D
 Acq: 04 Mar 2020 09:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

Manual Integrations
 APPROVED

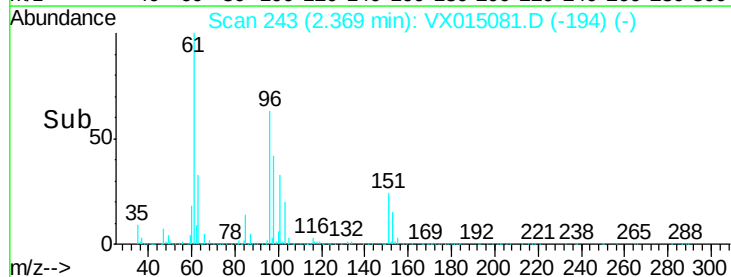
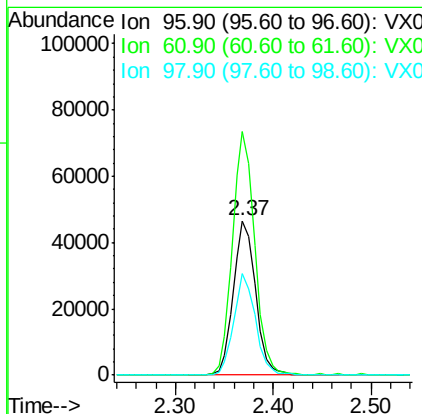
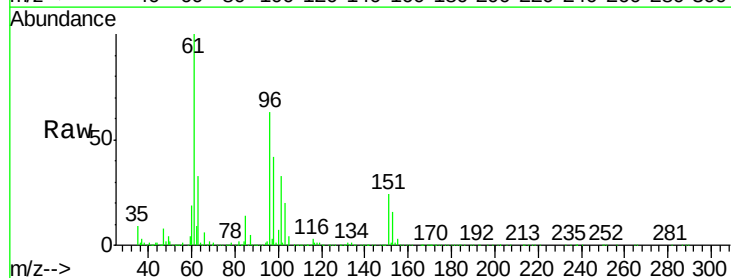
MMDadoda
 3/5/2020 12:32:26 PM

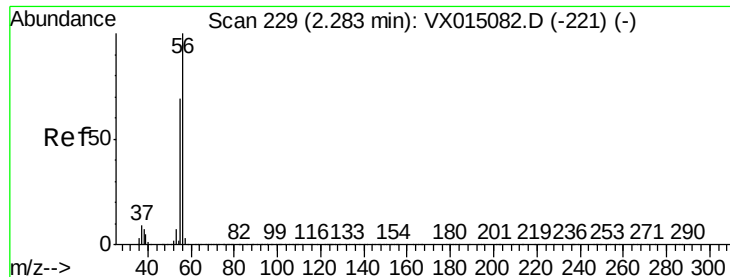


#12

1,1-Dichloroethene
 Concen: 18.994 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. -0.00 min
 Lab File: VX015081.D
 Acq: 04 Mar 2020 09:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.6	126.2	189.4
98	65.5	51.4	77.0





#13

Acrolein

Concen: 92.498 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 71598

Ion Ratio Lower Upper

56 100

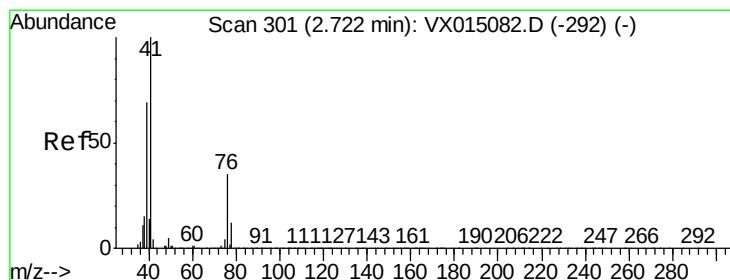
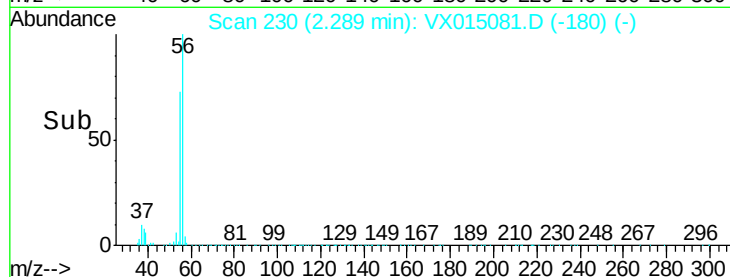
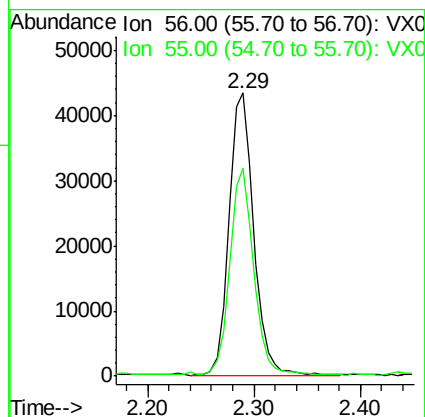
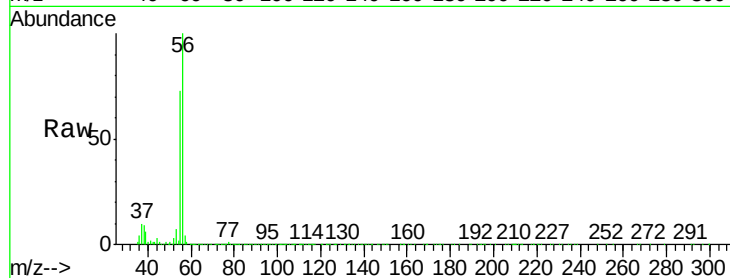
55 68.7 55.4 83.0

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 19.148 ug/l

RT: 2.72 min Scan# 301

Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

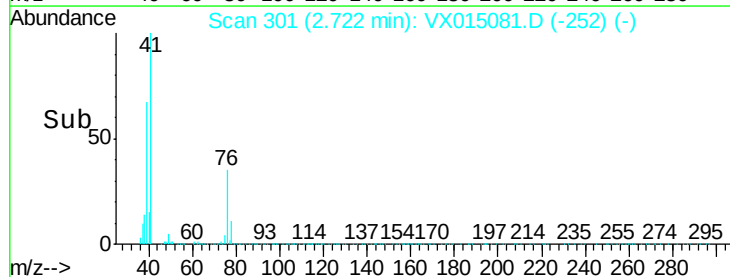
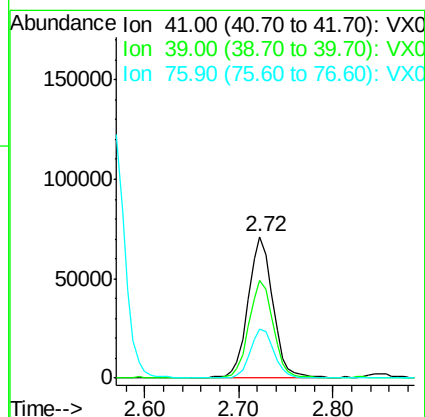
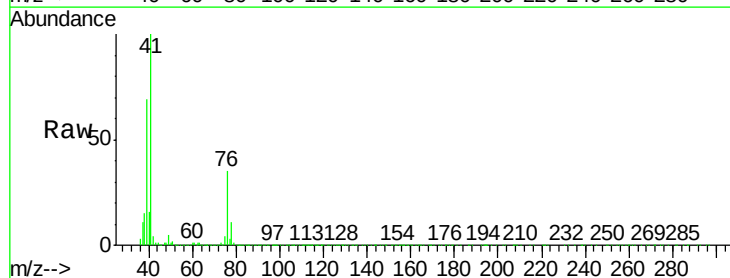
Tgt Ion: 41 Resp: 129835

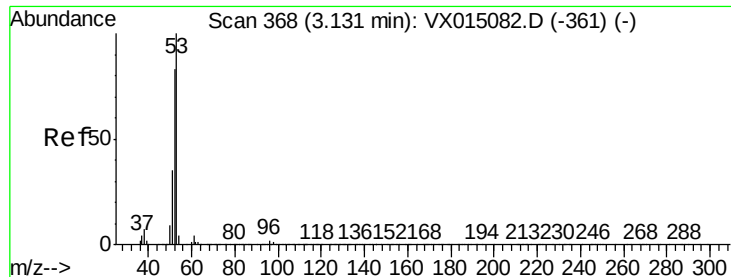
Ion Ratio Lower Upper

41 100

39 67.6 52.9 79.3

76 32.6 26.8 40.2





#15

Acrylonitrile

Concen: 98.039 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Instrument :

MSVOA_X

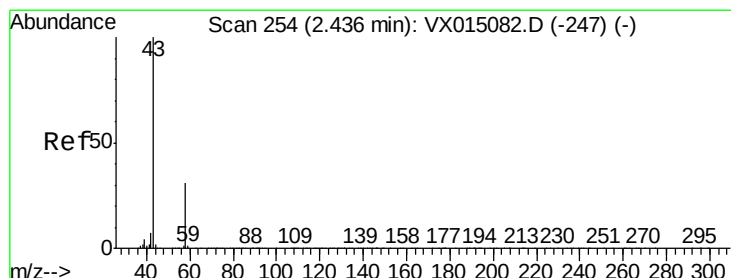
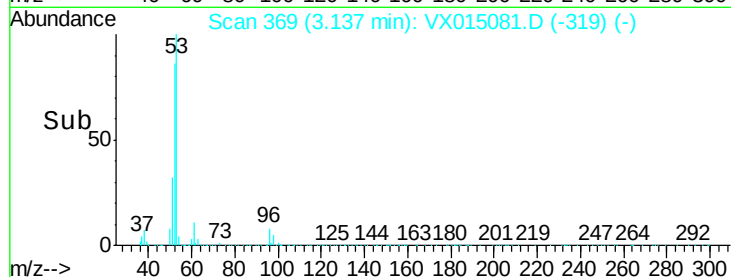
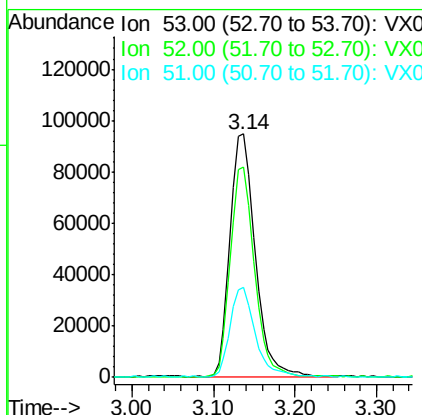
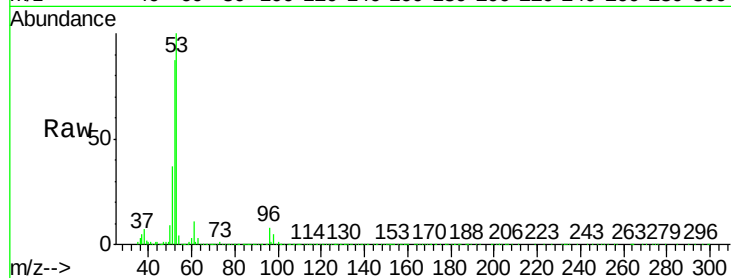
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	201103
Ion Ratio		Lower	Upper
53	100		
52	83.2	66.6	100.0
51	36.8	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 100.617 ug/l

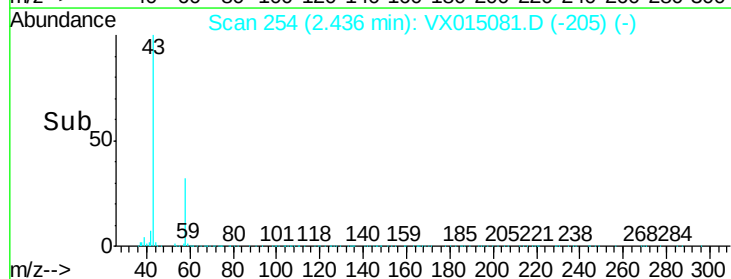
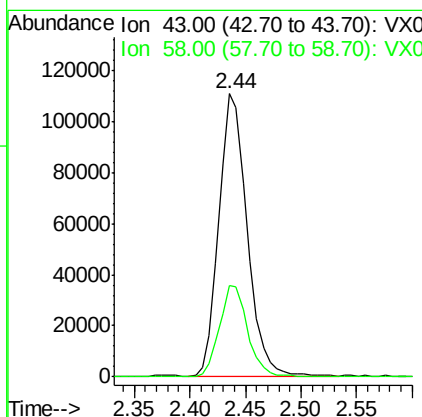
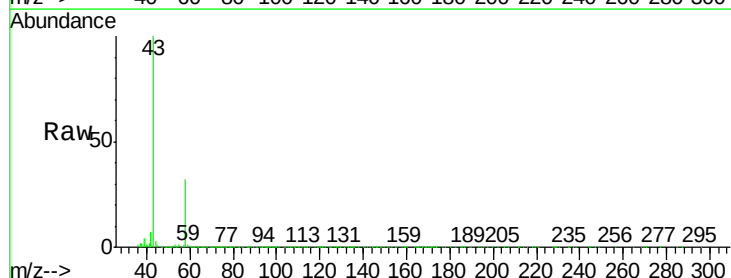
RT: 2.44 min Scan# 254

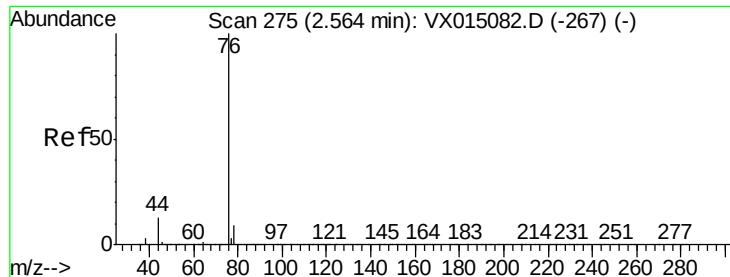
Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Tgt Ion:	43	Resp:	193445
Ion Ratio		Lower	Upper
43	100		
58	32.1	24.8	37.2





#17

Carbon Disulfide

Concen: 19.254 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 207922

Ion Ratio Lower Upper

76 100

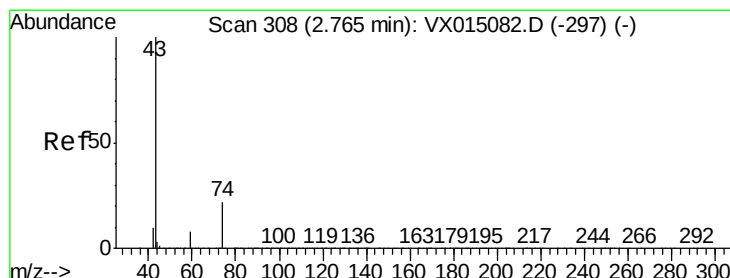
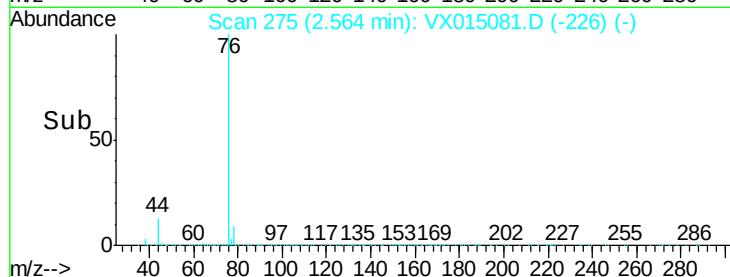
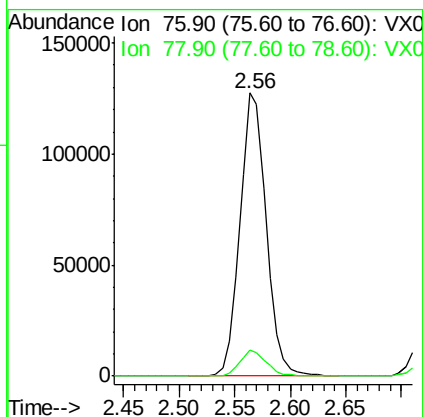
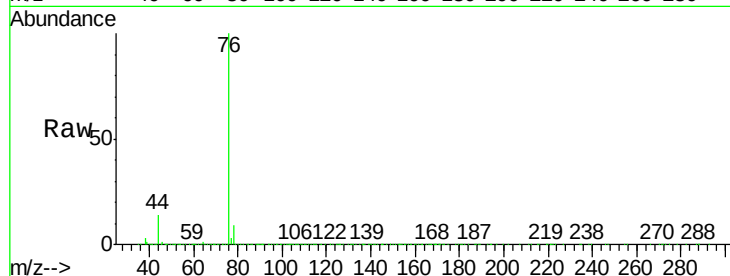
78 8.9 7.3 10.9

Manual Integrations

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3/5/2020 12:32:26 PM



#18

Methyl Acetate

Concen: 18.630 ug/l

RT: 2.76 min Scan# 308

Delta R.T. -0.00 min

Lab File: VX015081.D

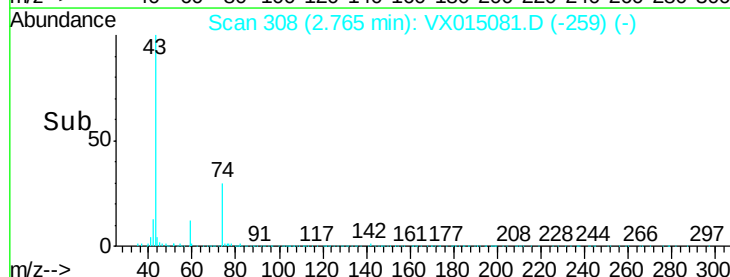
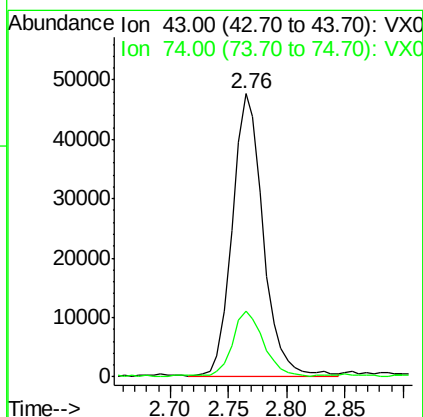
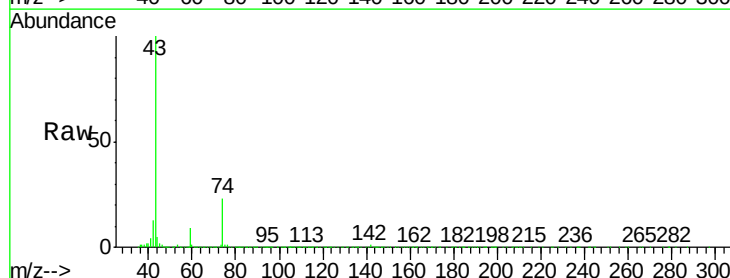
Acq: 04 Mar 2020 09:24

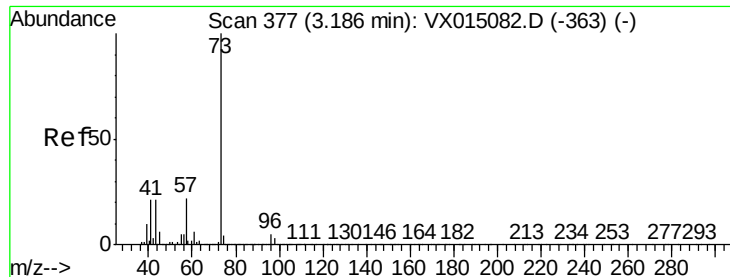
Tgt Ion: 43 Resp: 87580

Ion Ratio Lower Upper

43 100

74 23.4 18.8 28.2





#19

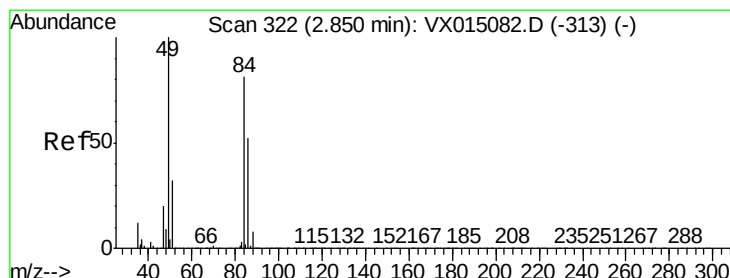
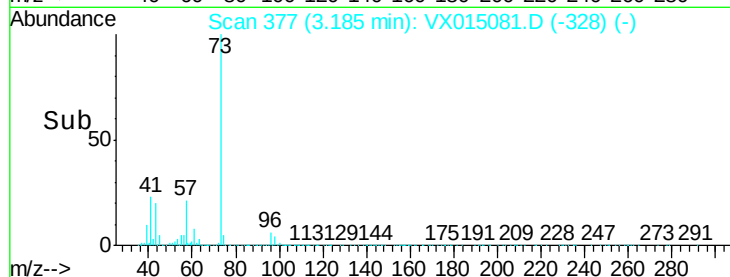
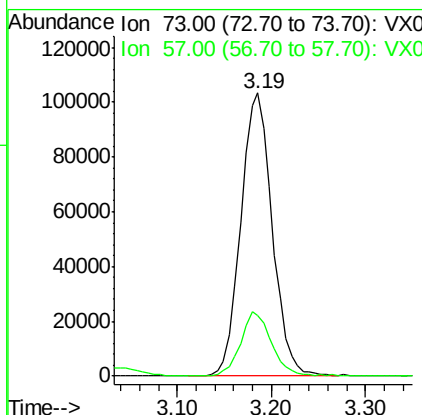
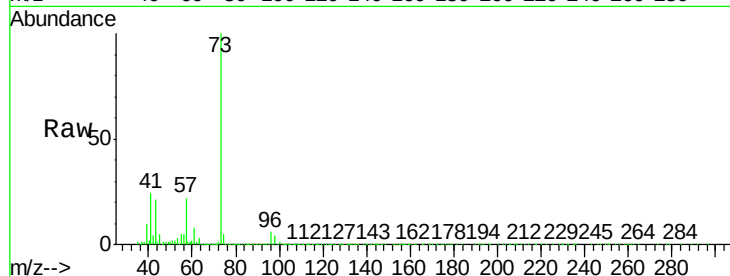
Methyl tert-butyl Ether
 Concen: 19.817 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. -0.00 min
 Lab File: VX015081.D
 Acq: 04 Mar 2020 09:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.8	26.6

Manual Integrations
 APPROVED

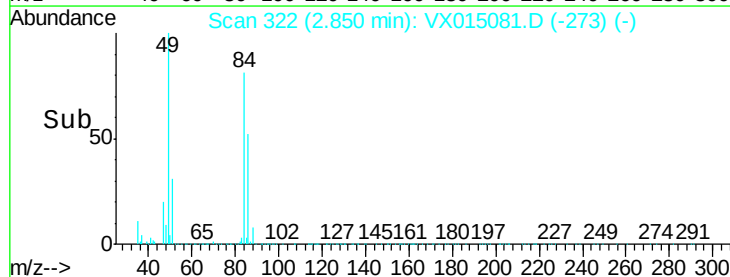
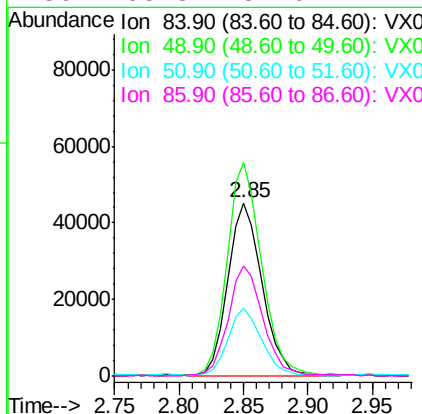
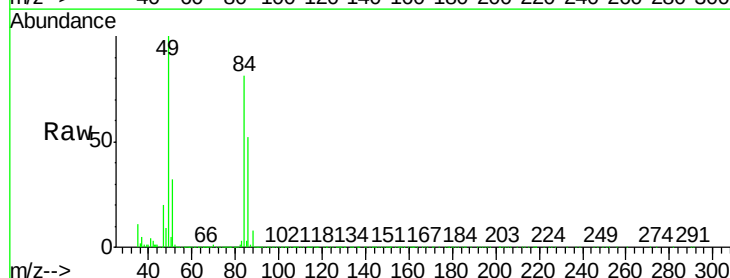
MMDadoda
 3/5/2020 12:32:26 PM

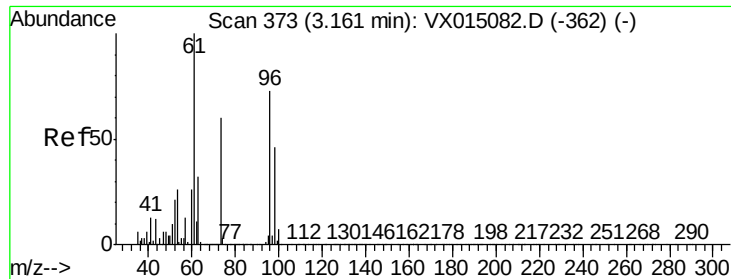


#20

Methylene Chloride
 Concen: 18.516 ug/l
 RT: 2.85 min Scan# 322
 Delta R.T. -0.00 min
 Lab File: VX015081.D
 Acq: 04 Mar 2020 09:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.3	99.4	149.2
51	38.8	31.5	47.3
86	63.3	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 19.102 ug/l

RT: 3.16 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Instrument :

MSVOA_X

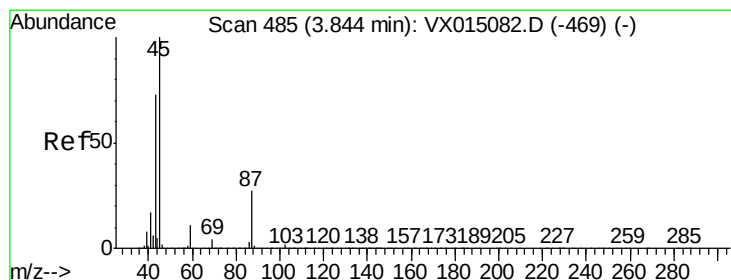
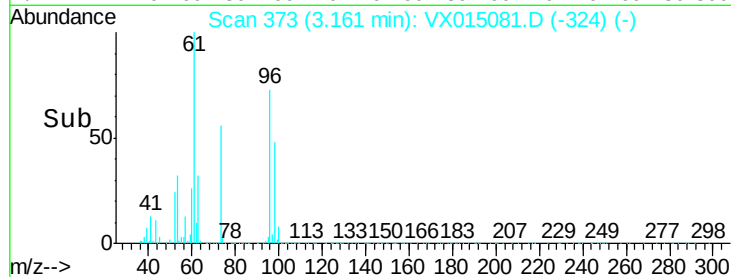
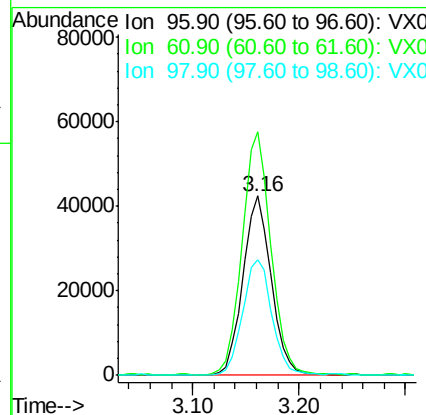
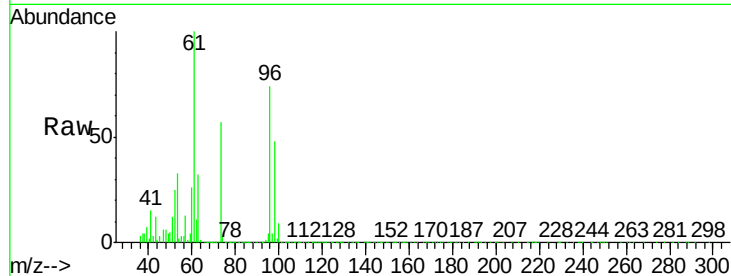
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	79316
Ion	Ratio	Lower	Upper
96	100		
61	135.8	109.9	164.9
98	64.9	50.2	75.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.874 ug/l

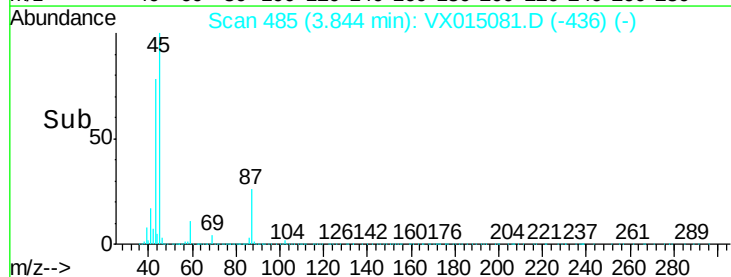
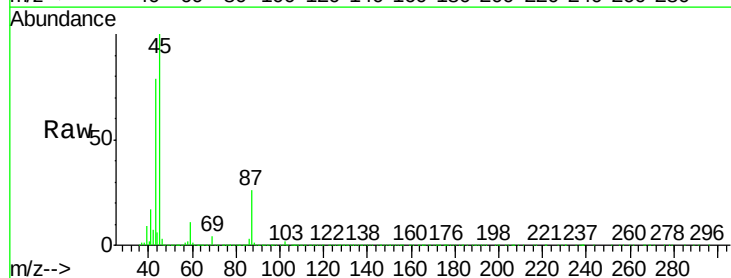
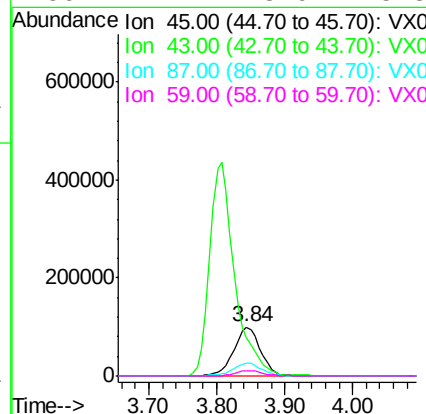
RT: 3.84 min Scan# 485

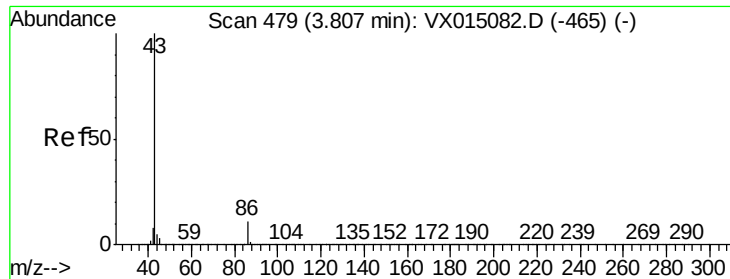
Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Tgt Ion:	45	Resp:	268472
Ion	Ratio	Lower	Upper
45	100		
43	77.9	58.2	87.2
87	25.4	21.2	31.8
59	11.2	8.9	13.3





#23

Vinyl Acetate

Concen: 100.712 ug/l

RT: 3.81 min Scan# 479

Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 1118345

Ion Ratio Lower Upper

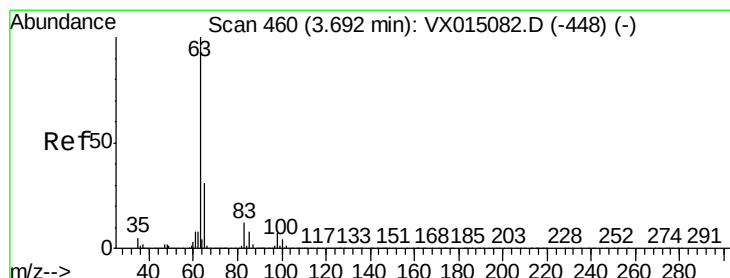
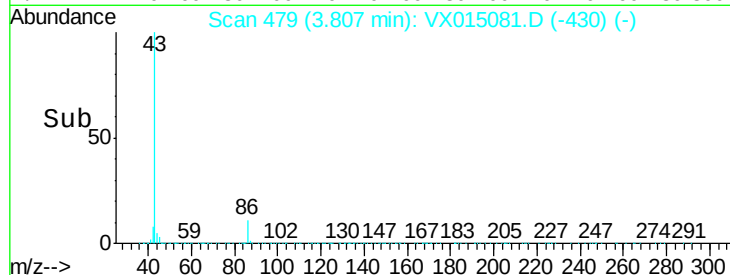
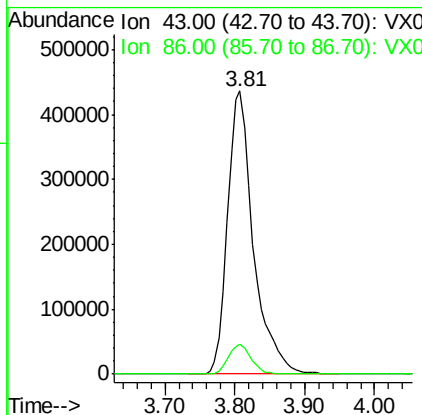
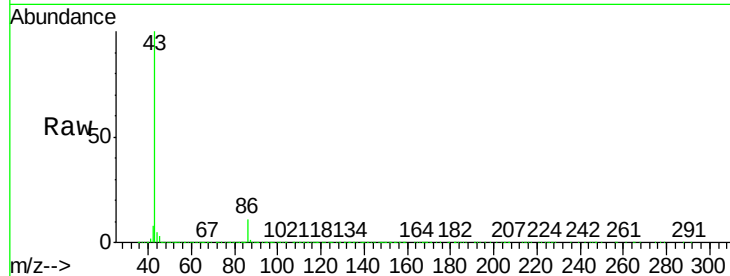
43 100

86 10.7 8.6 12.8

Manual Integrations
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3/5/2020 12:32:26 PM



#24

1,1-Dichloroethane

Concen: 19.611 ug/l

RT: 3.69 min Scan# 460

Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

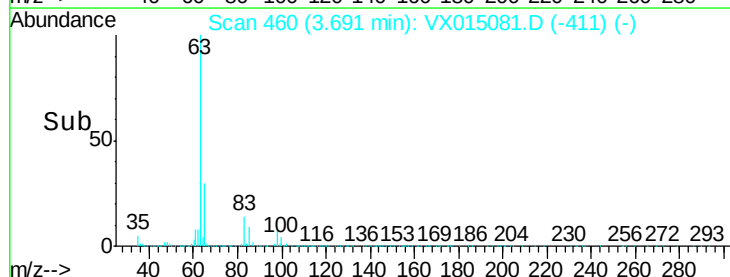
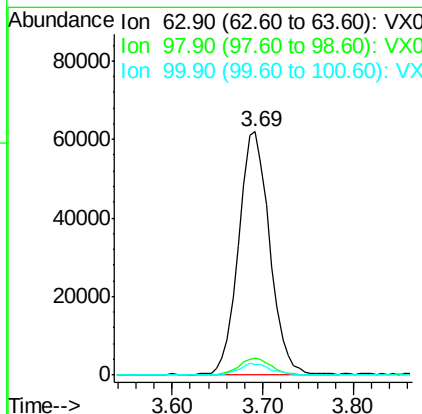
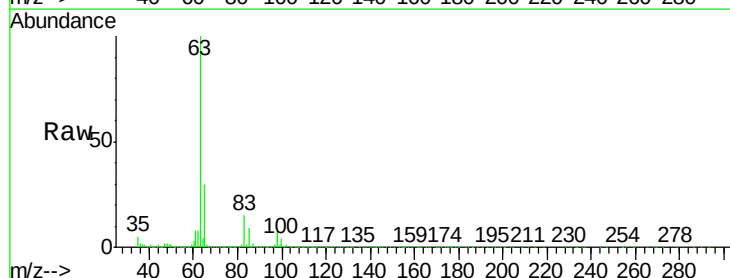
Tgt Ion: 63 Resp: 147034

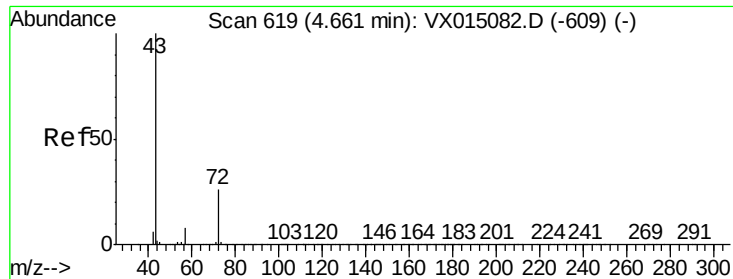
Ion Ratio Lower Upper

63 100

98 6.8 3.7 11.1

100 4.0 2.1 6.5





#25

2-Butanone

Concen: 102.311 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Tot Ion: 43 Resp: 287972

Ion Ratio Lower Upper

43 100

72 25.7 20.6 30.8

Instrument :

MSVOA_X

ClientSampled :

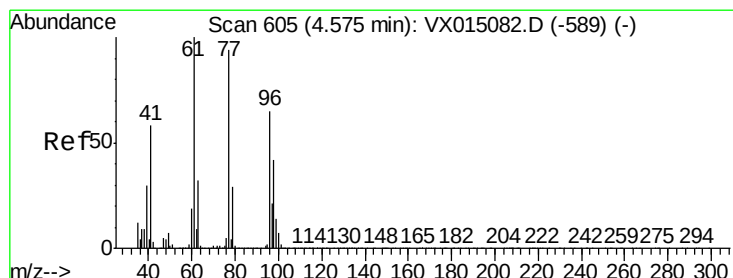
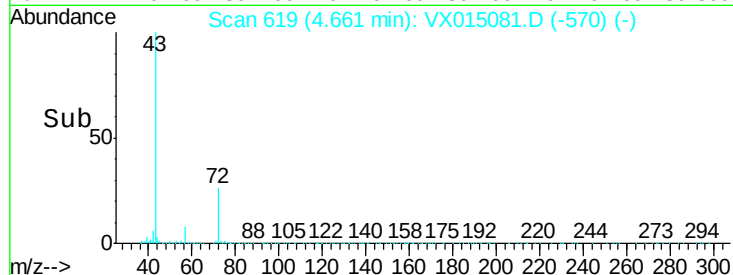
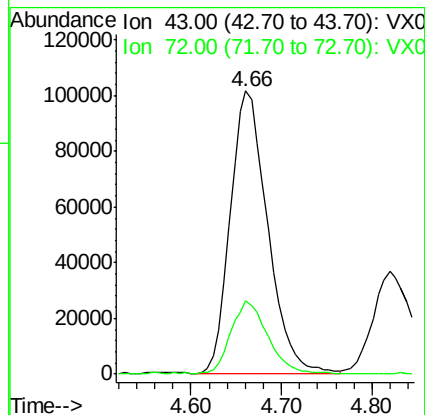
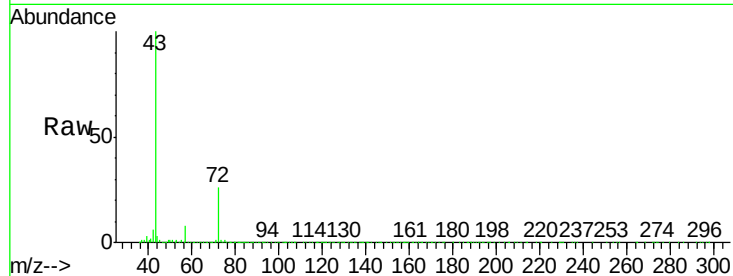
VSTDIC020

Manual Integrations

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3/5/2020 12:32:26 PM



#26

2,2-Dichloropropane

Concen: 19.306 ug/l

RT: 4.58 min Scan# 605

Delta R.T. -0.00 min

Lab File: VX015081.D

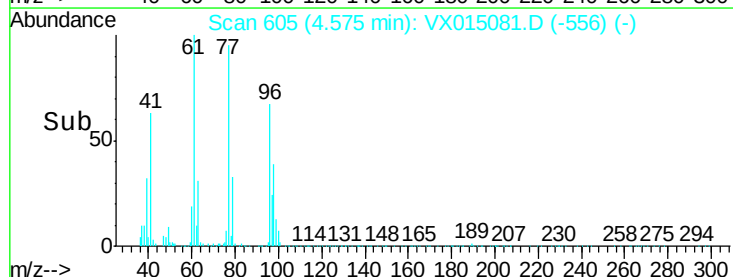
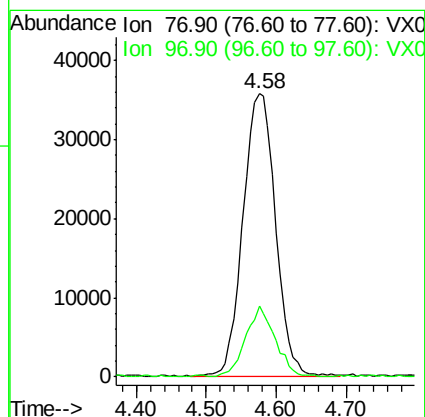
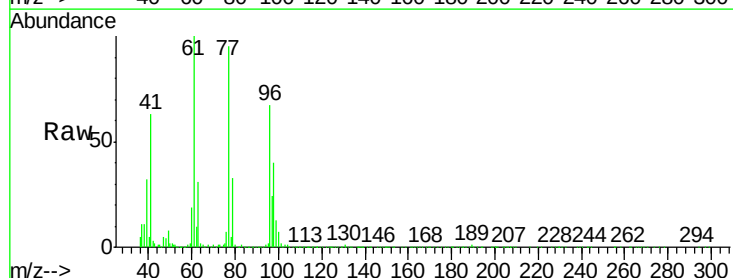
Acq: 04 Mar 2020 09:24

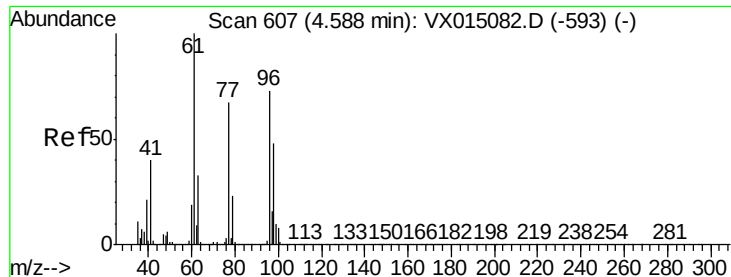
Tgt Ion: 77 Resp: 114905

Ion Ratio Lower Upper

77 100

97 22.2 11.8 35.4





#27

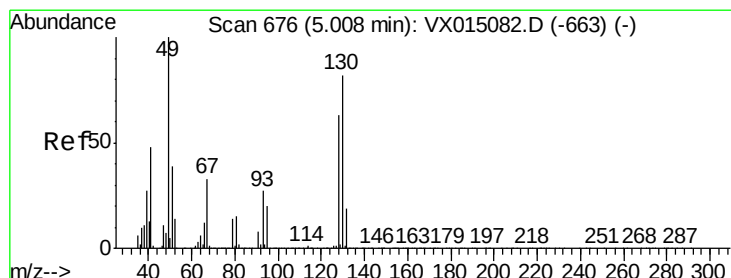
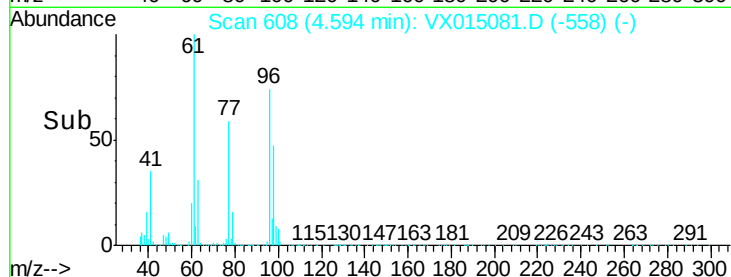
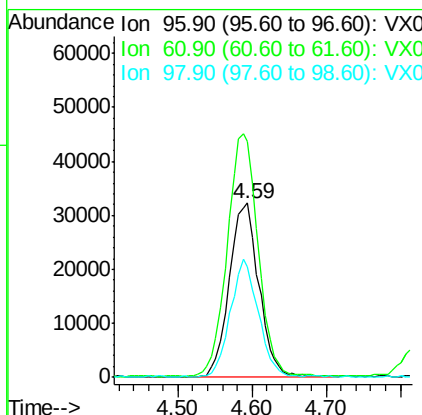
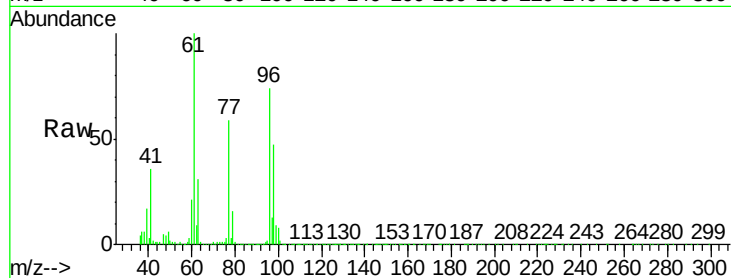
cis-1,2-Dichloroethene
Concen: 19.294 ug/l
RT: 4.59 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.0	0.0	286.8
98	63.4	0.0	128.4

Manual Integrations
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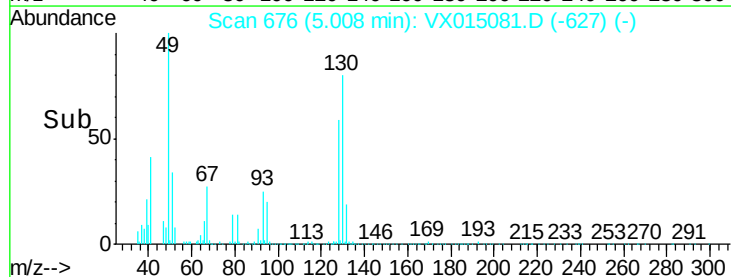
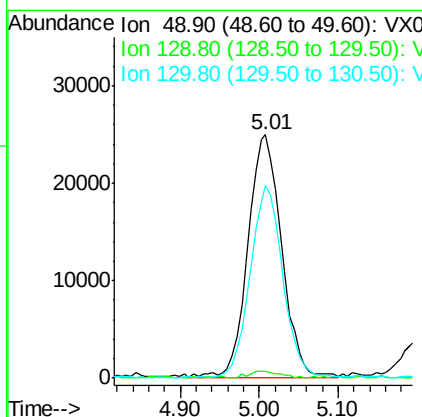
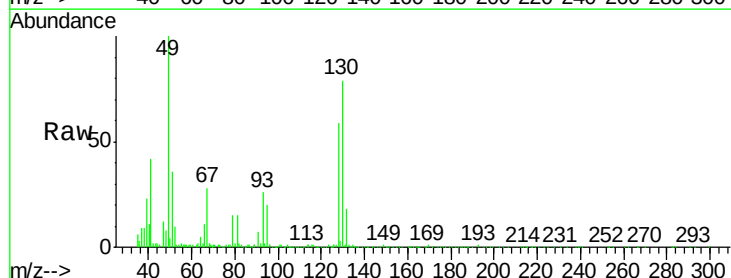
MMDadoda
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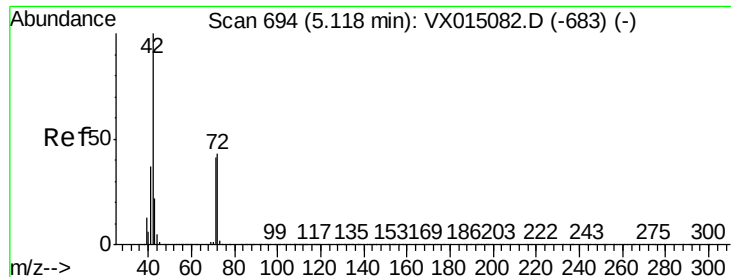


#28

Bromochloromethane
Concen: 21.829 ug/l
RT: 5.01 min Scan# 676
Delta R.T. -0.00 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.4
130	75.8	65.0	97.6





#29

Tetrahydrofuran

Concen: 98.463 ug/l

RT: 5.12 min Scan# 694

Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Instrument :

MSVOA_X

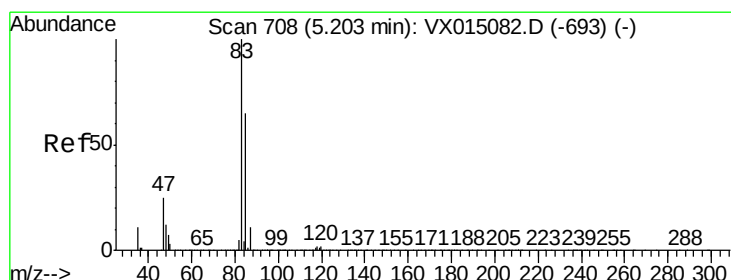
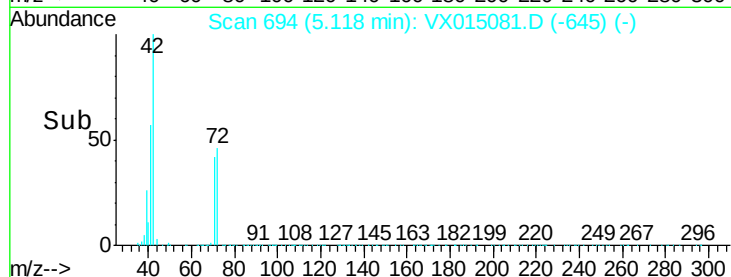
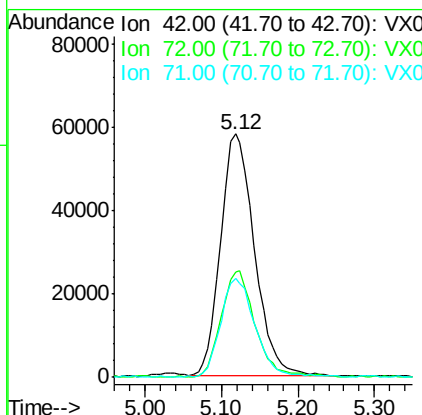
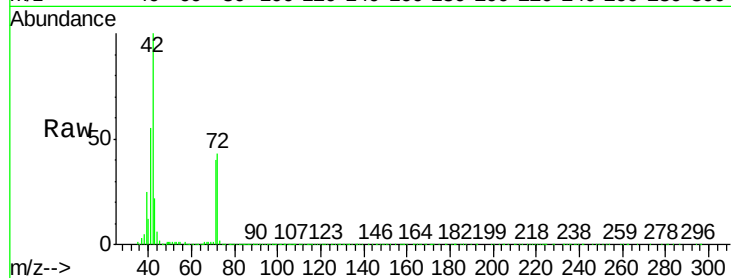
ClientSampleId :

VSTDIC020

Tot Ion:	42	Resp:	178649
Ion	Ratio	Lower	Upper
42	100		
72	43.6	36.4	54.6
71	41.3	33.3	49.9

Manual Integrations
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#30

Chloroform

Concen: 19.335 ug/l

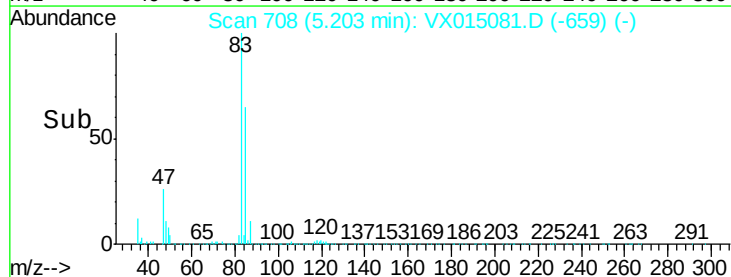
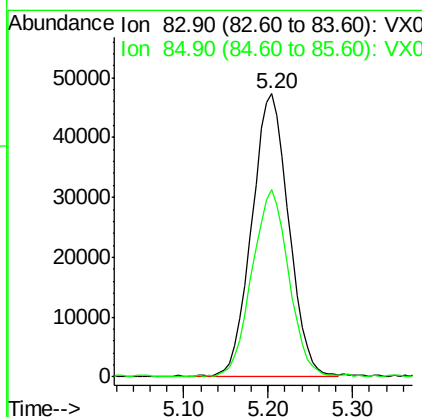
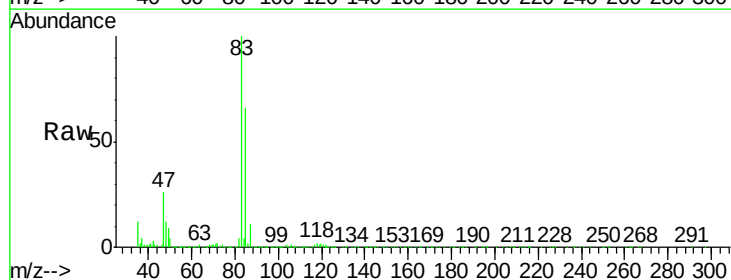
RT: 5.20 min Scan# 708

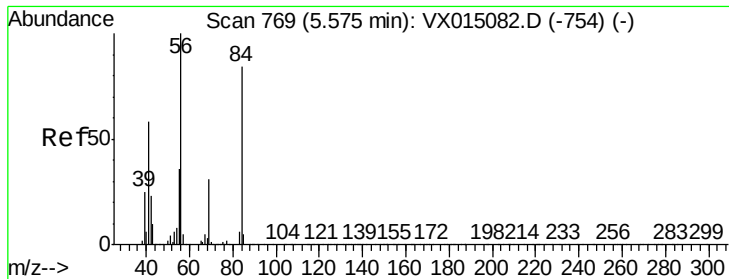
Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Tgt Ion:	83	Resp:	141291
Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.0	78.0





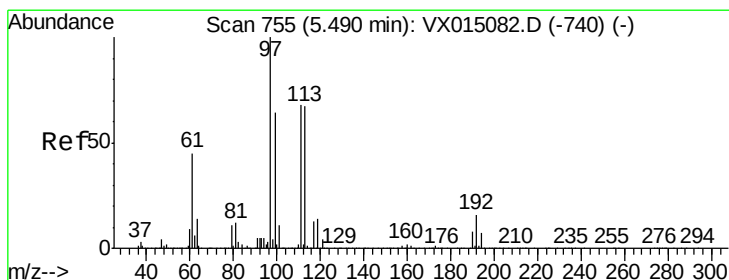
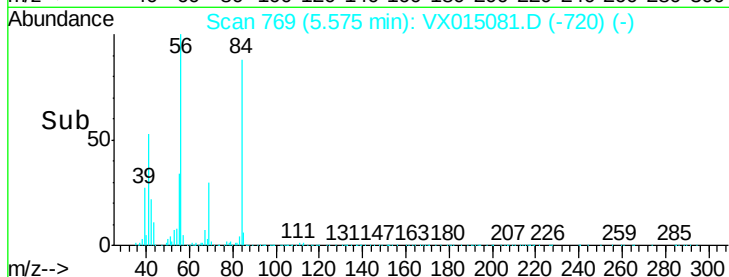
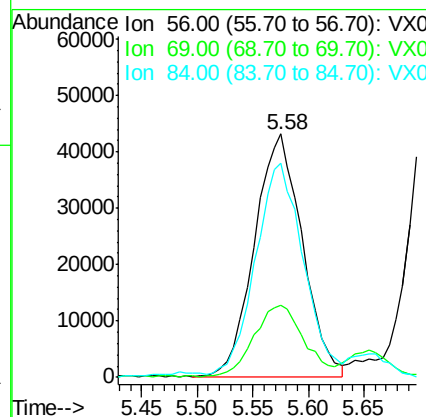
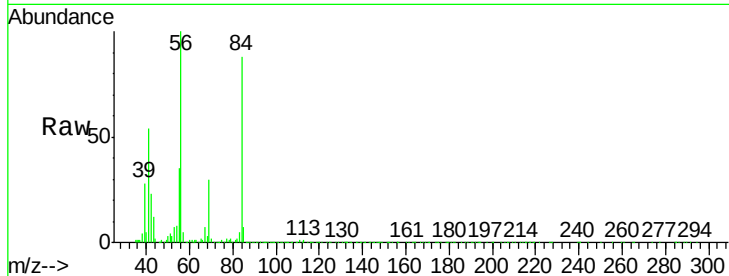
#31
Cyclohexane
Concen: 19.166 ug/l
RT: 5.58 min Scan# 769
Delta R.T. -0.00 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.1	25.0	37.6
84	86.6	67.6	101.4

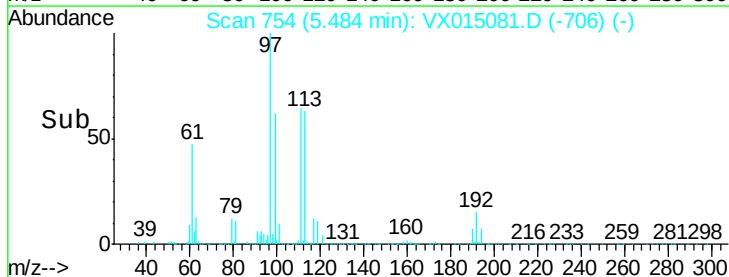
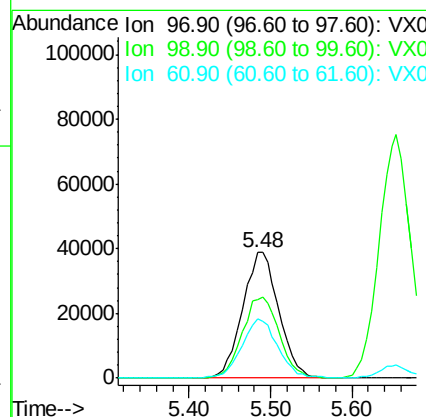
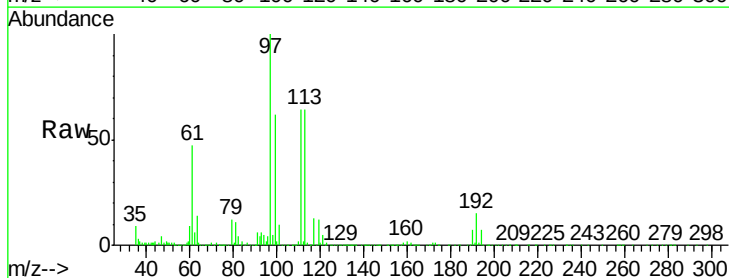
Manual Integrations
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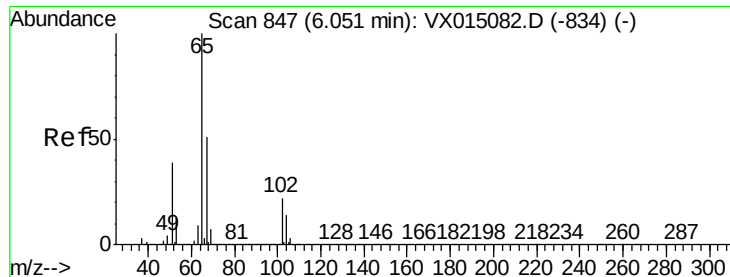
MMDadoda
3/5/2020 12:32:26 PM



#32
1,1,1-Trichloroethane
Concen: 19.590 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.3	52.8	79.2
61	46.3	36.6	54.8





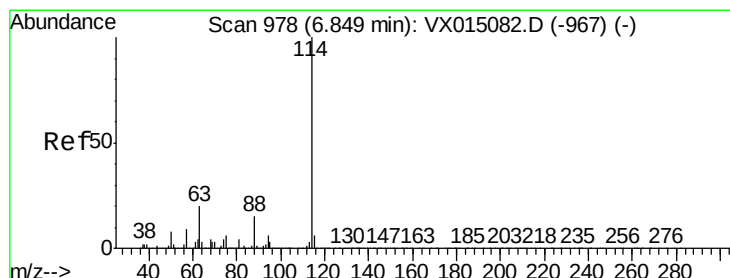
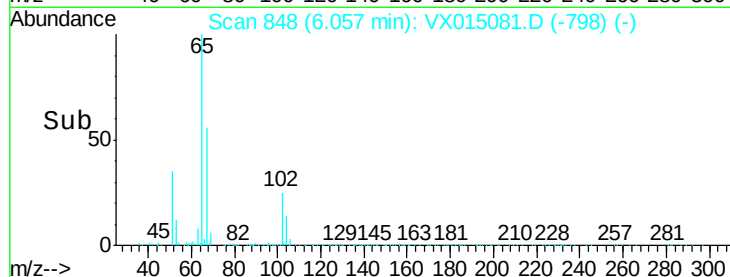
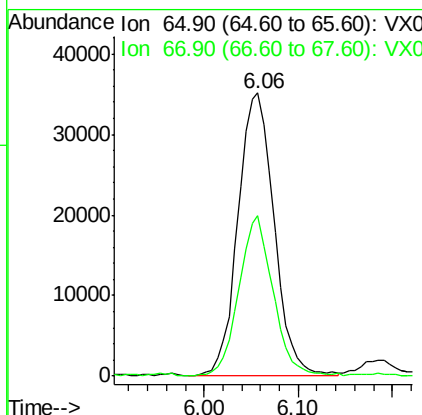
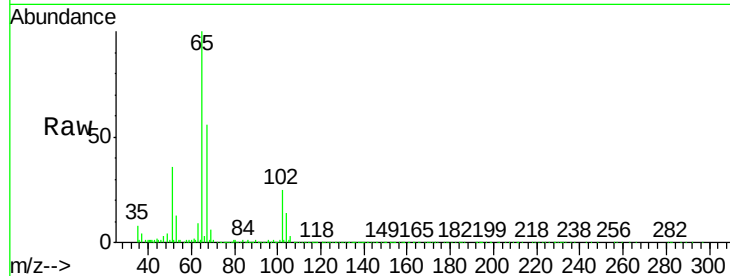
#33
 1,2-Dichloroethane-d4
 Concen: 19.574 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX015081.D
 Acq: 04 Mar 2020 09:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	105.6

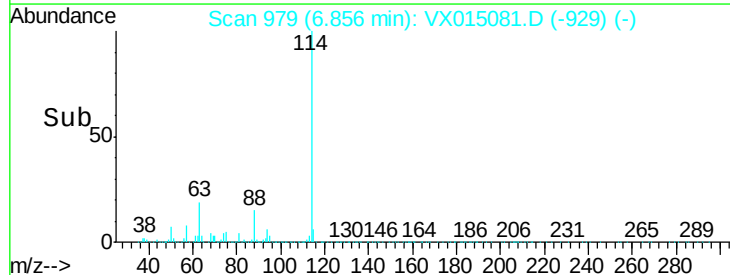
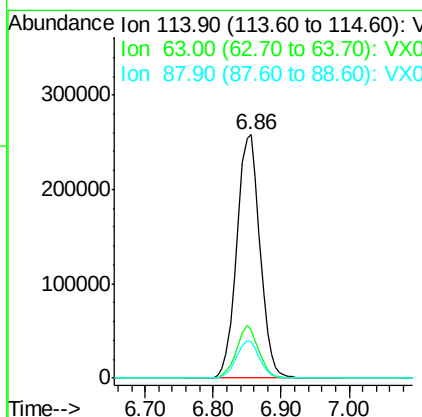
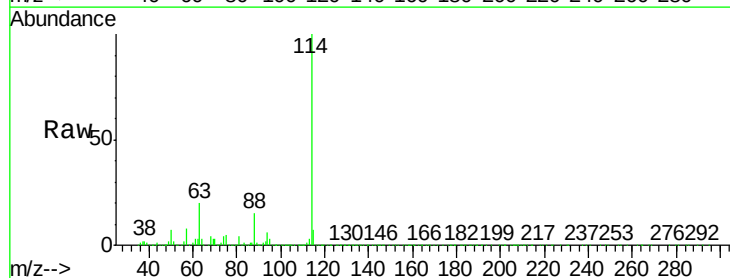
Manual Integrations
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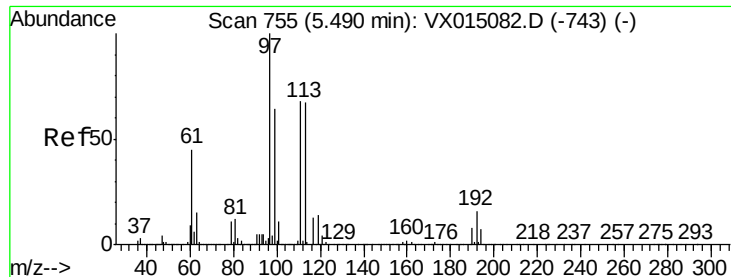
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX015081.D
 Acq: 04 Mar 2020 09:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	40.0
88	15.1	0.0	30.6





#35

Dibromofluoromethane

Concen: 19.591 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Instrument :

MSVOA_X

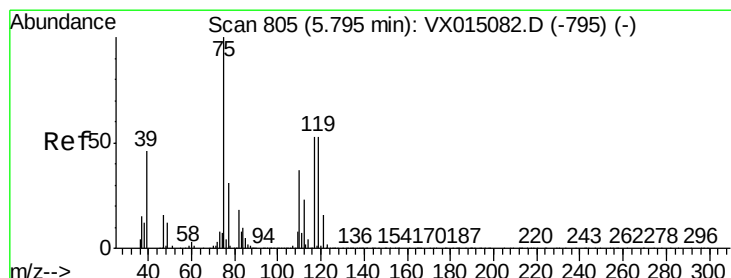
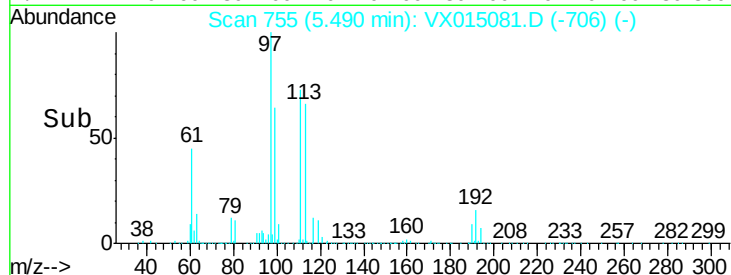
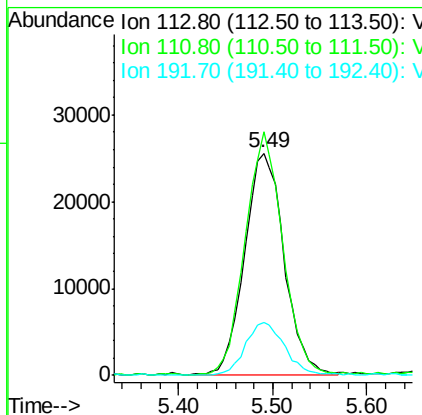
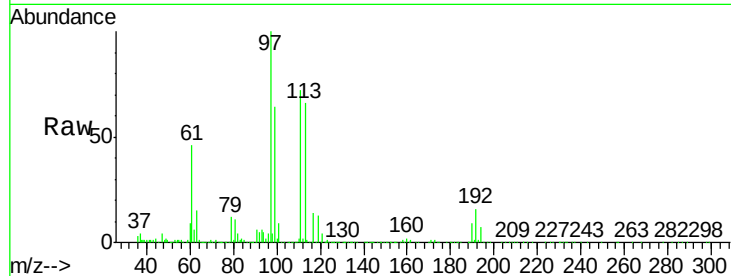
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	75308
Ion Ratio	Lower	Upper	
113	100		
111	104.5	82.6	123.8
192	23.8	18.6	28.0

Manual Integrations
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3/5/2020 12:32:26 PM



#36

1,1-Dichloropropene

Concen: 19.277 ug/l

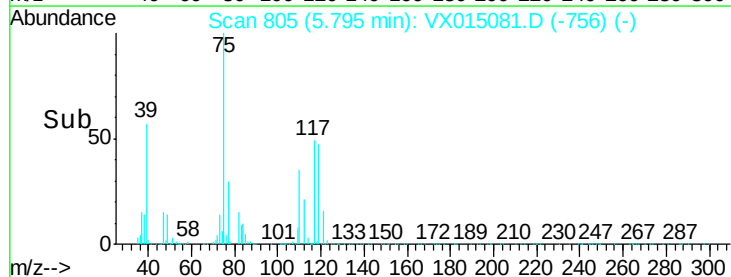
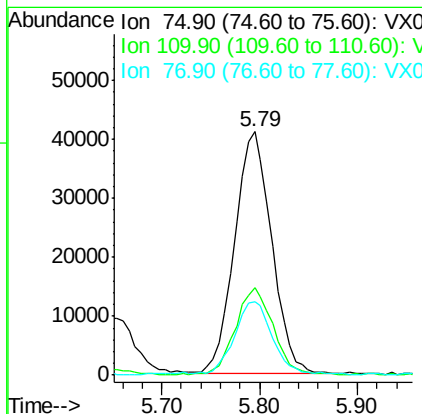
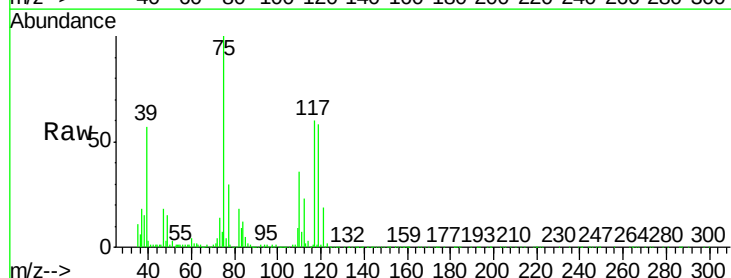
RT: 5.79 min Scan# 805

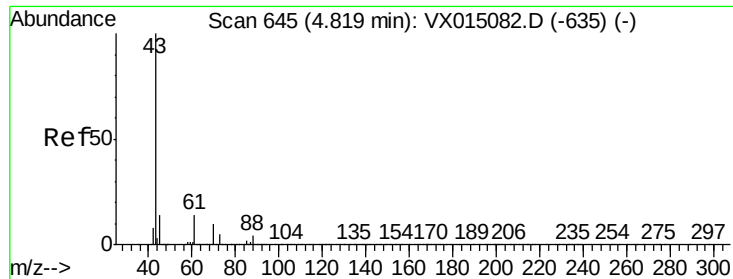
Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Tgt Ion:	75	Resp:	108659
Ion Ratio	Lower	Upper	
75	100		
110	36.8	17.9	53.8
77	30.1	24.8	37.2





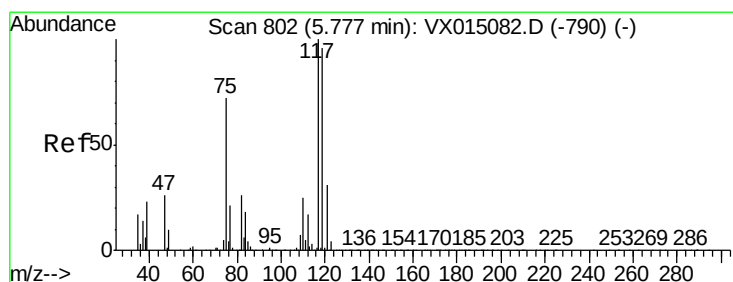
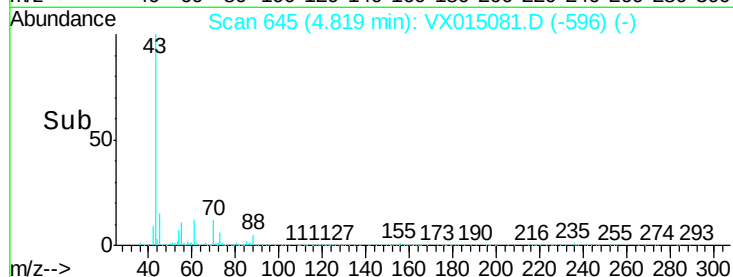
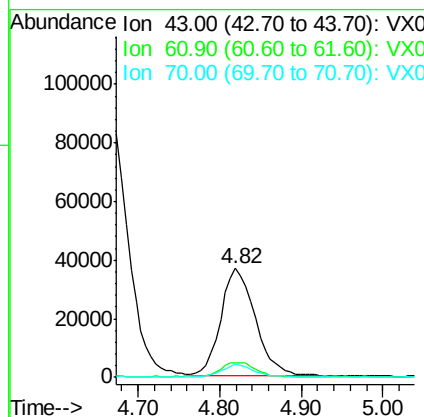
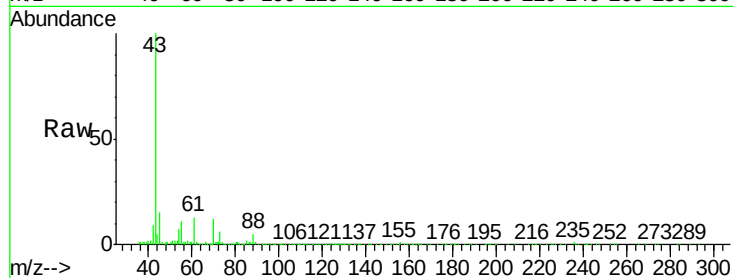
#37
Ethyl Acetate
Concen: 20.842 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion:	43	Resp:	108952
Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.0	16.4
70	11.1	8.1	12.1

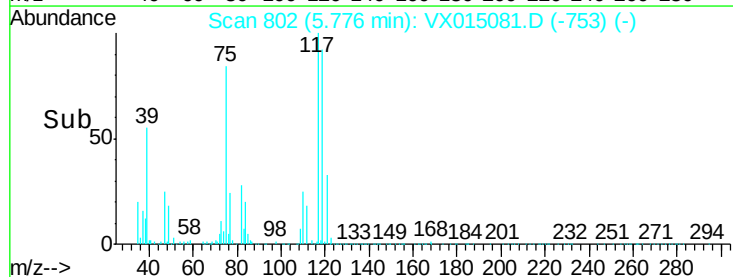
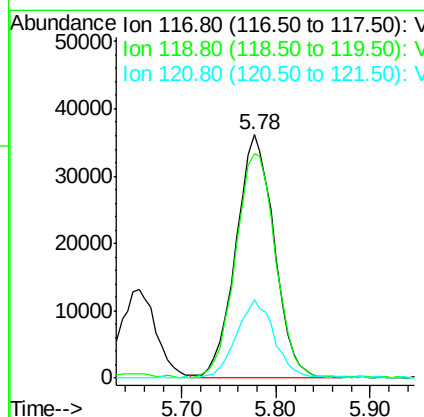
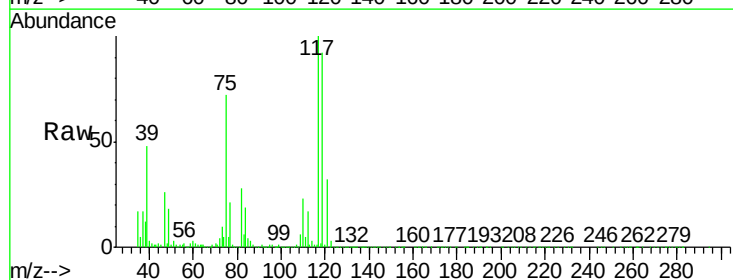
Manual Integrations
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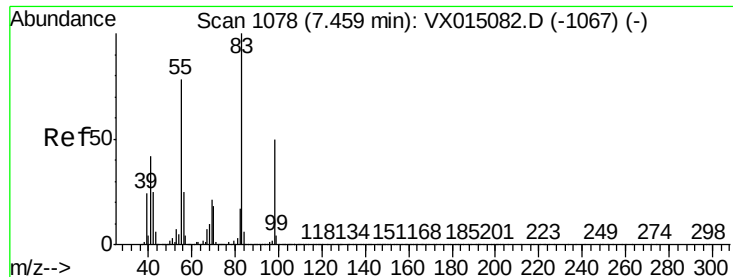
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#38
Carbon Tetrachloride
Concen: 19.239 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Tgt Ion:	117	Resp:	102363
Ion	Ratio	Lower	Upper
117	100		
119	91.8	76.9	115.3
121	32.0	24.6	37.0





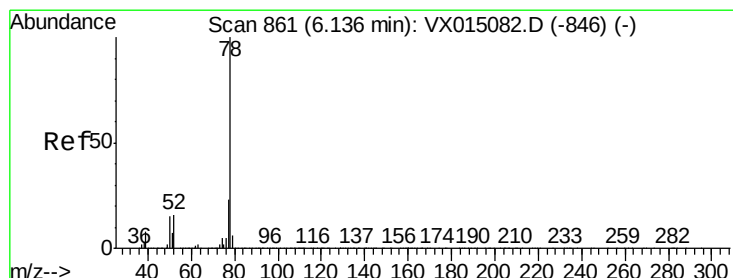
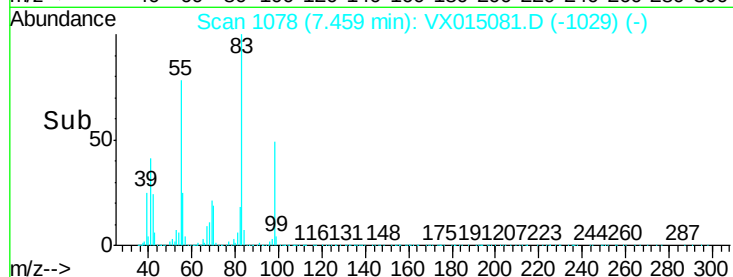
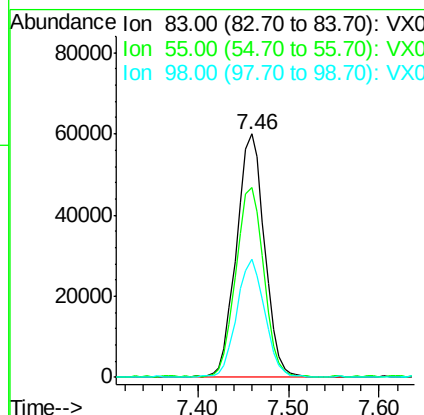
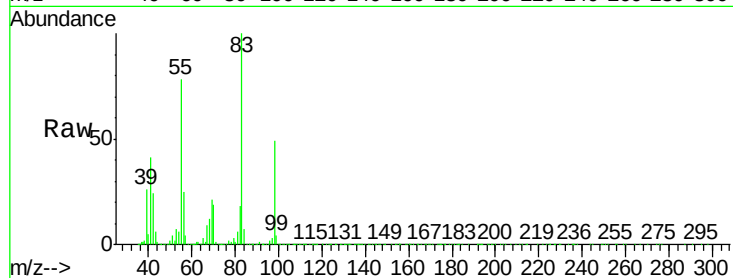
#39
Methylvlcyclohexane
Concen: 19.676 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.8	62.4	93.6
98	48.4	39.7	59.5

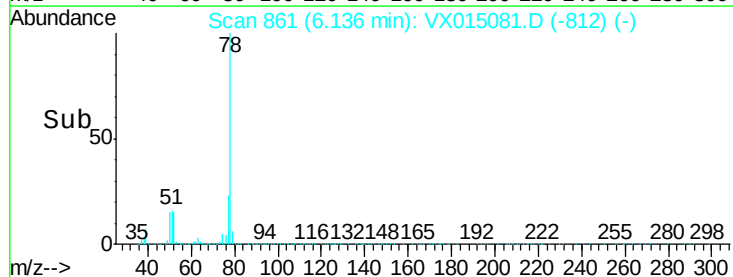
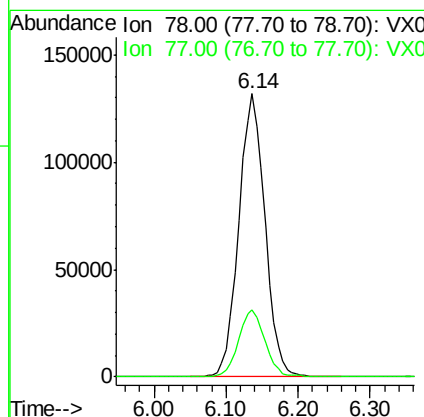
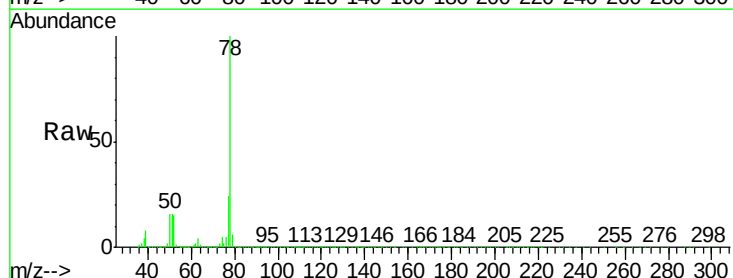
Manual Integrations
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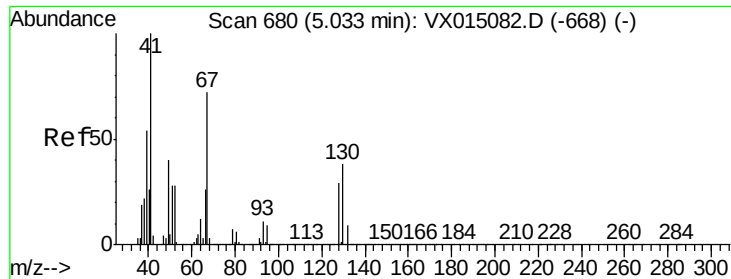
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#40
Benzene
Concen: 19.853 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	28.0





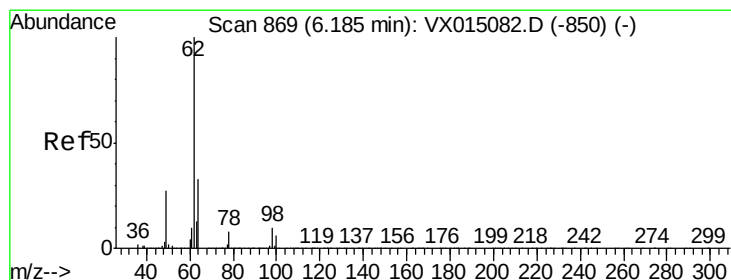
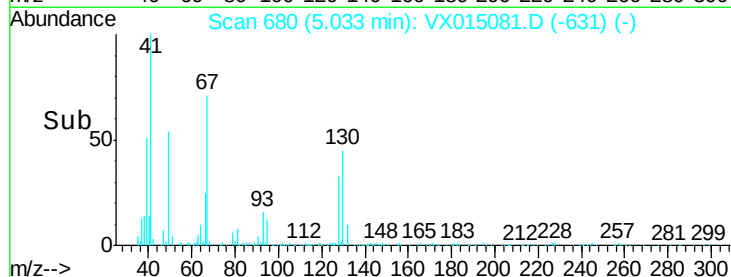
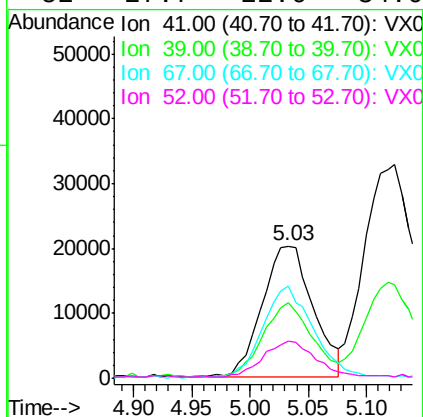
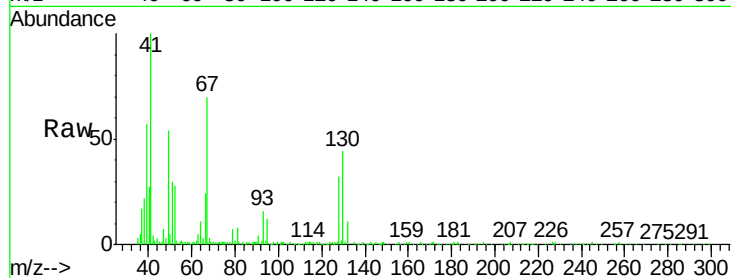
#41
Methacrylonitrile
Concen: 21.023 ug/l
RT: 5.03 min Scan# 680
Delta R.T. -0.00 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.8	43.9	65.9	
67	69.2	57.8	86.8	
52	27.7	22.6	34.0	

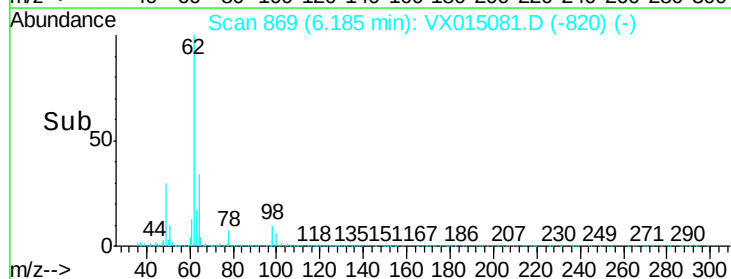
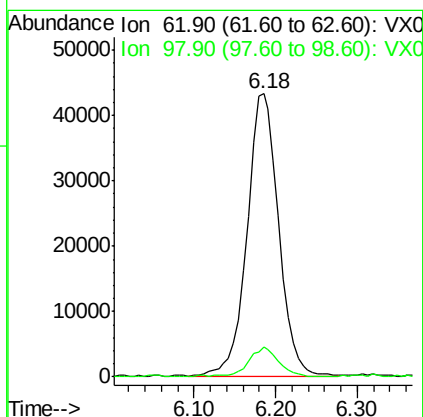
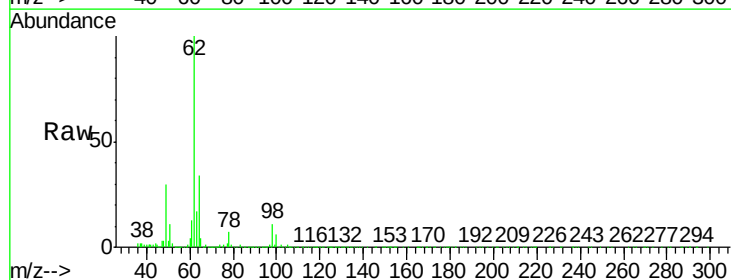
Manual Integrations
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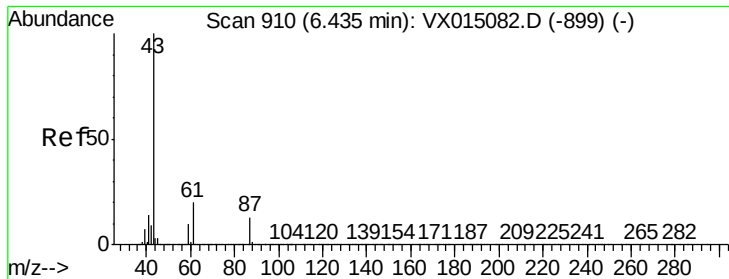
MMDadoda
3/5/2020 12:32:26 PM



#42
1,2-Dichloroethane
Concen: 20.207 ug/l
RT: 6.18 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	20.6	





#43

Isopropyl Acetate

Concen: 19.519 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Instrument :

MSVOA_X

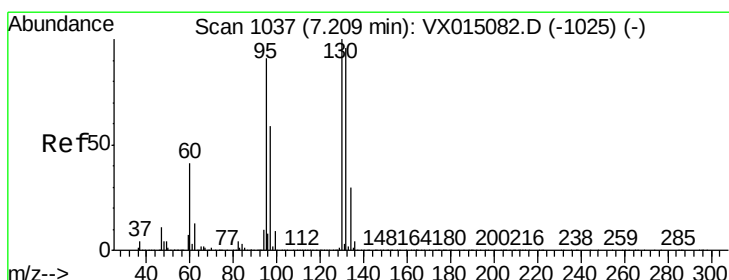
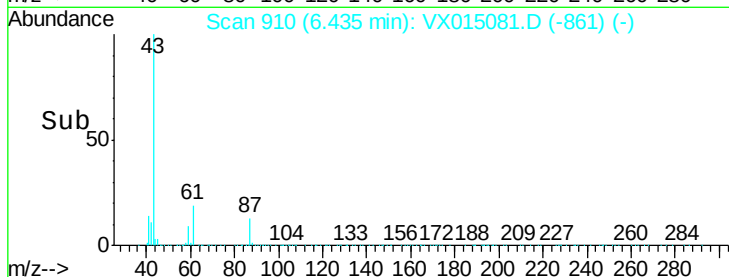
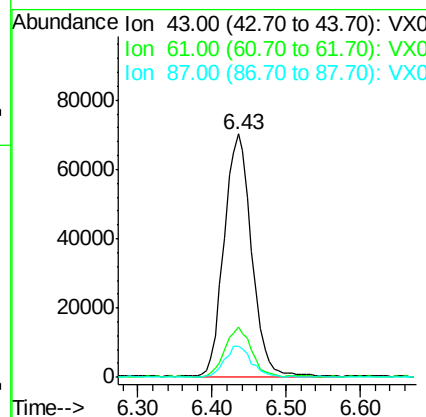
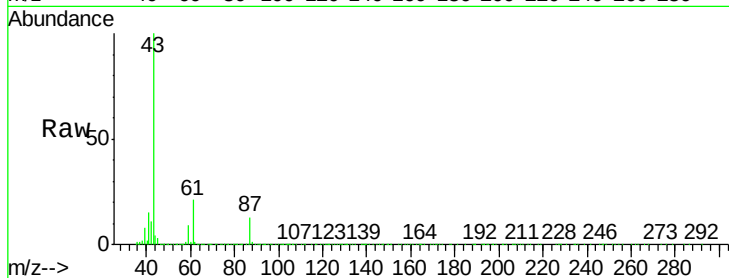
ClientSampled :

VSTDIC020

Tot Ion:	43	Resp:	179524
Ion	Ratio	Lower	Upper
43	100		
61	19.9	16.1	24.1
87	12.5	10.6	16.0

Manual Integrations
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3/5/2020 12:32:26 PM



#44

Trichloroethene

Concen: 19.239 ug/l

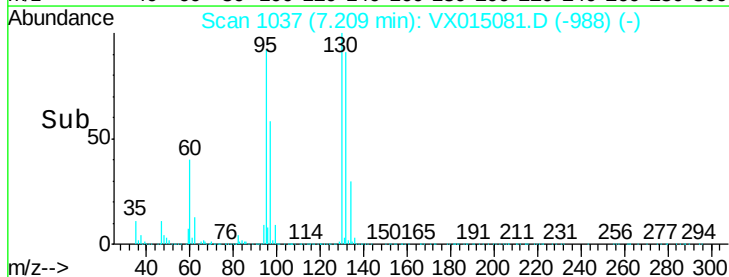
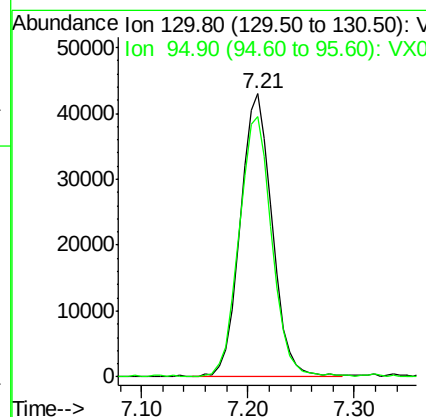
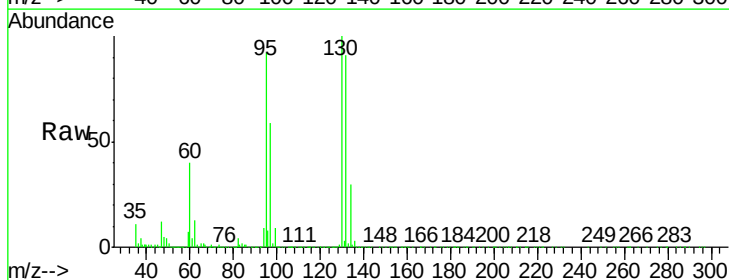
RT: 7.21 min Scan# 1037

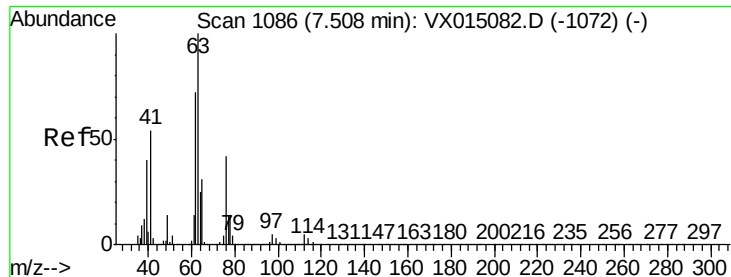
Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Tgt Ion:	130	Resp:	89599
Ion	Ratio	Lower	Upper
130	100		
95	91.8	0.0	181.2





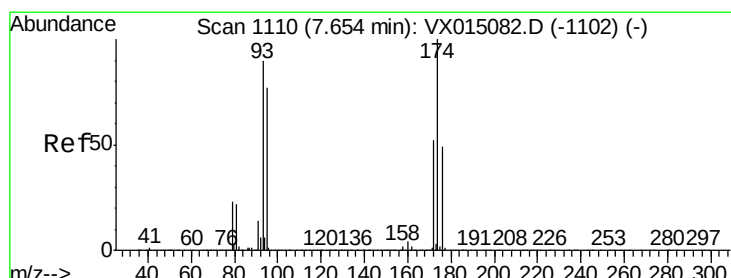
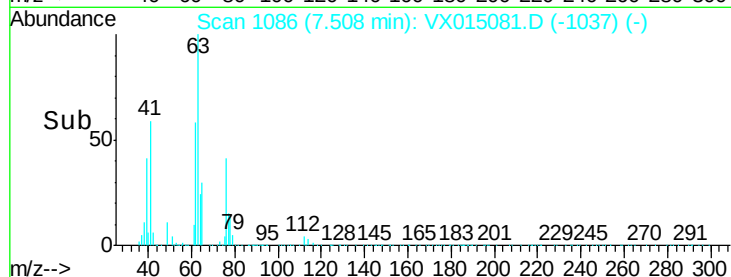
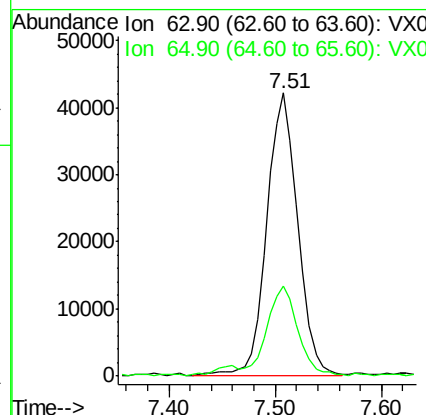
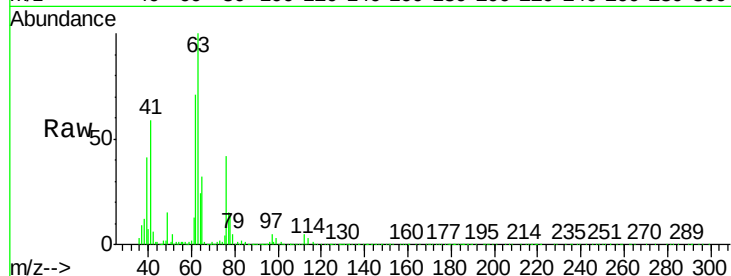
#45
 1,2-Dichloropropane
 Concen: 19.693 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX015081.D
 Acq: 04 Mar 2020 09:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.6	36.8

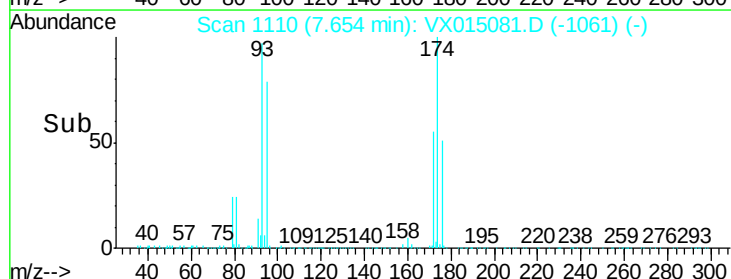
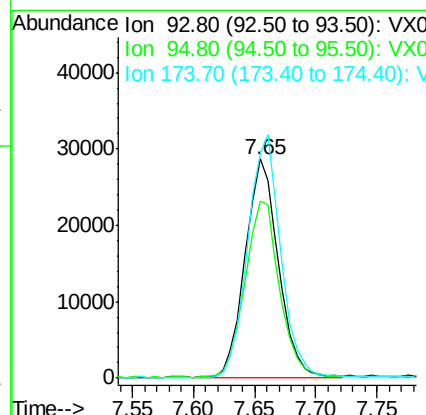
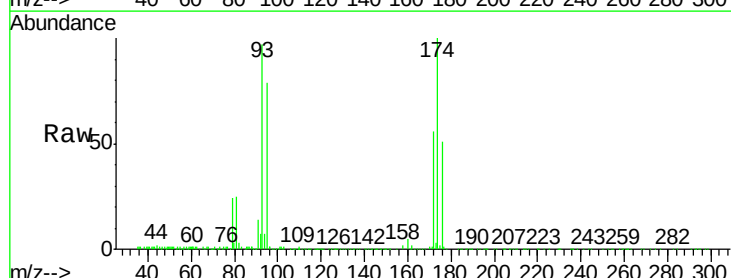
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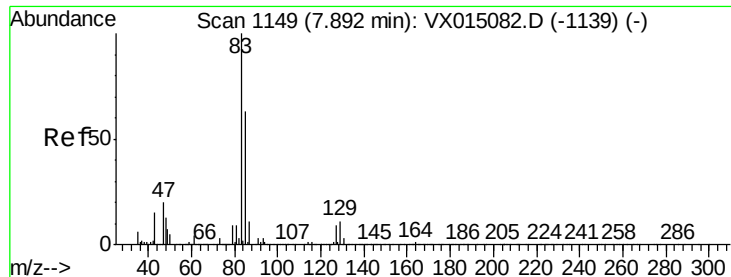
MMDadoda
 3/5/2020 12:32:26 PM



#46
 Dibromomethane
 Concen: 19.123 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX015081.D
 Acq: 04 Mar 2020 09:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	67.8	101.8
174	111.2	91.0	136.4





#47

Bromodichloromethane

Concen: 19.142 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Instrument :

MSVOA_X

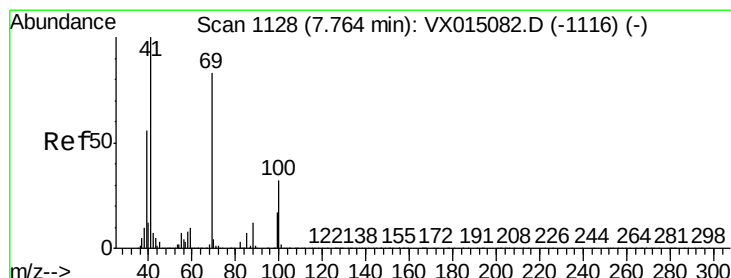
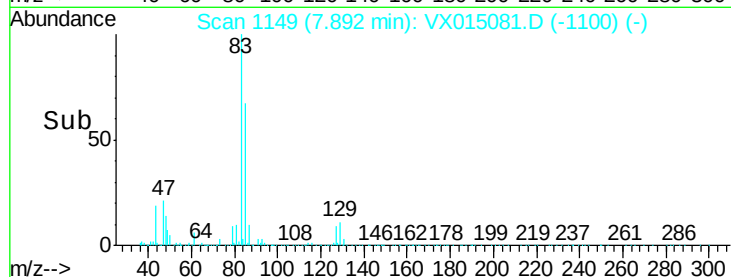
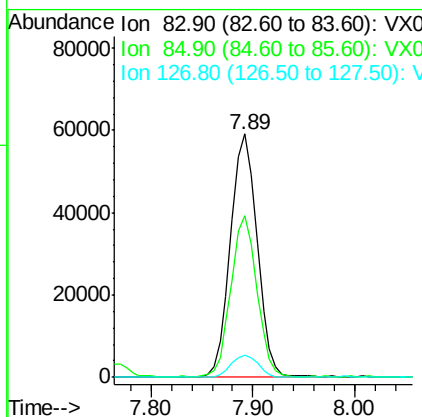
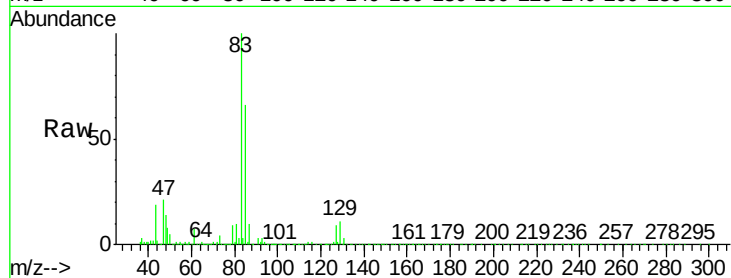
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	106758
Ion	Ratio	Lower	Upper
83	100		
85	66.4	50.6	75.8
127	9.1	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
3/5/2020 12:32:26 PM



#48

Methyl methacrylate

Concen: 18.935 ug/l

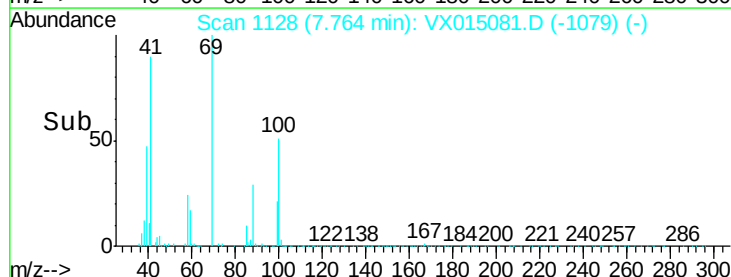
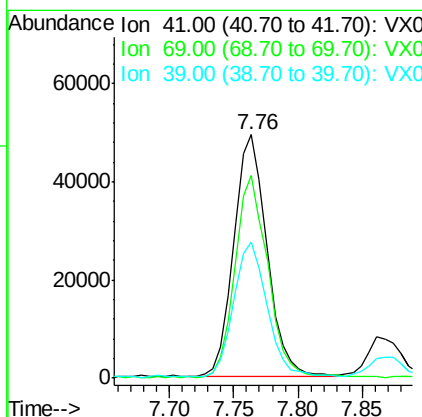
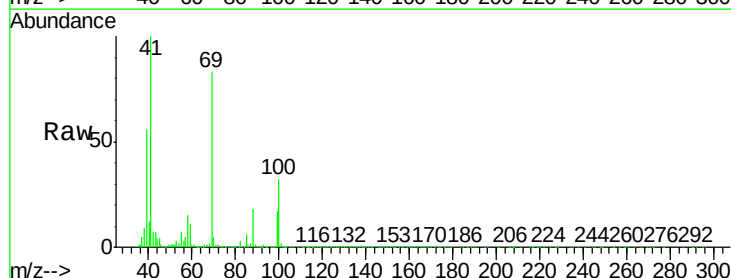
RT: 7.76 min Scan# 1128

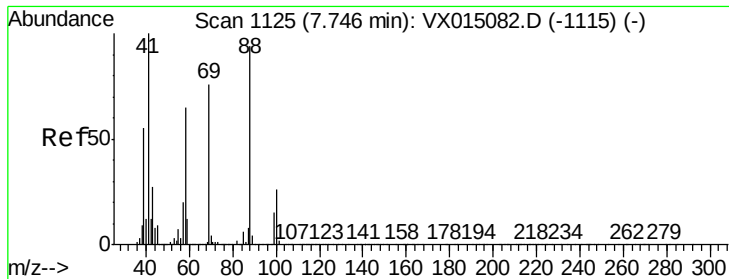
Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Tgt Ion:	41	Resp:	88646
Ion	Ratio	Lower	Upper
41	100		
69	82.8	65.4	98.2
39	56.5	44.6	67.0





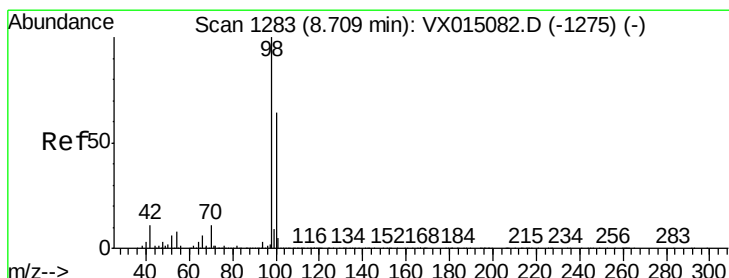
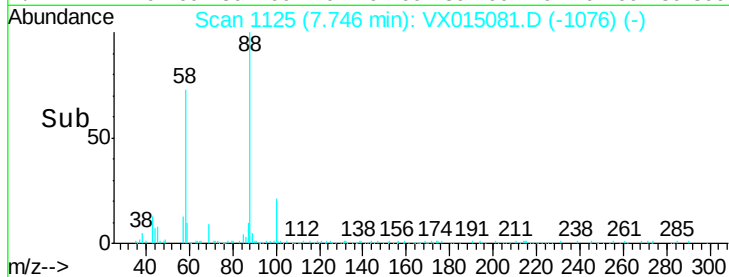
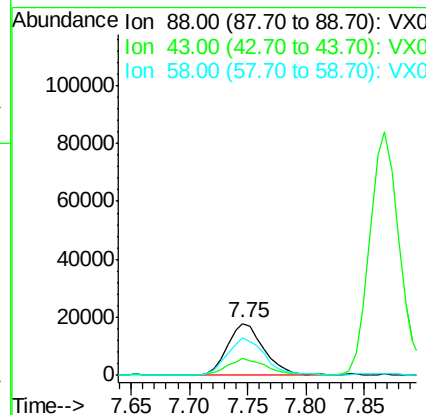
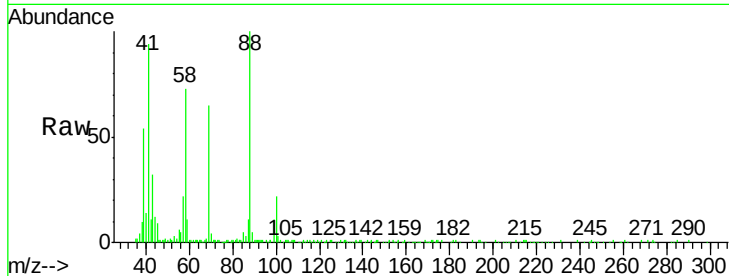
#49
1,4-Dioxane
Concen: 380.881 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.3	27.0	40.4
58	72.7	55.6	83.4

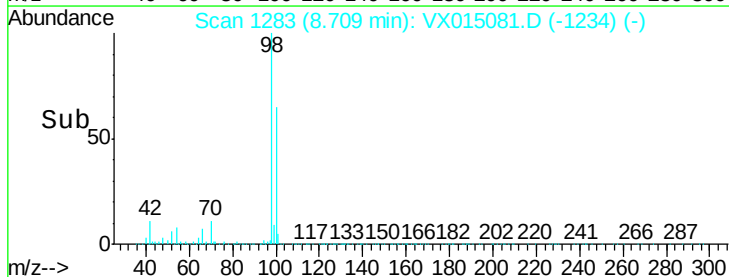
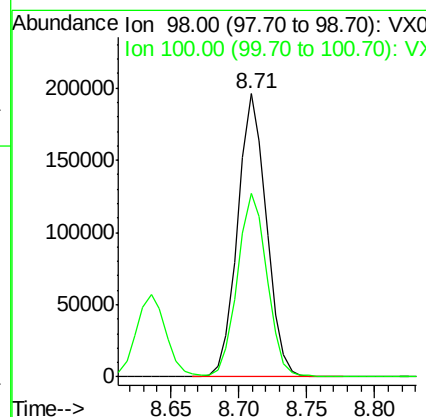
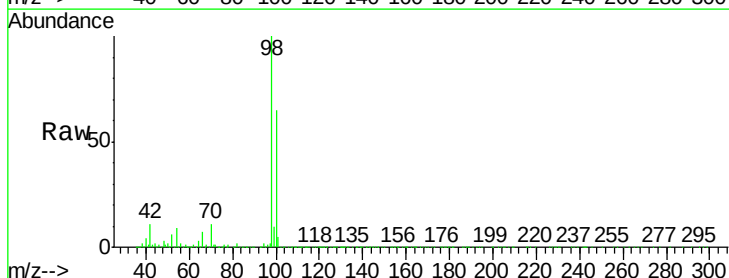
Manual Integrations
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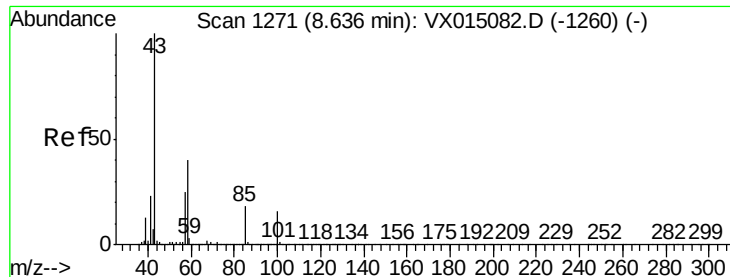
MMDadoda
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#50
Toluene-d8
Concen: 19.793 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.4	78.6





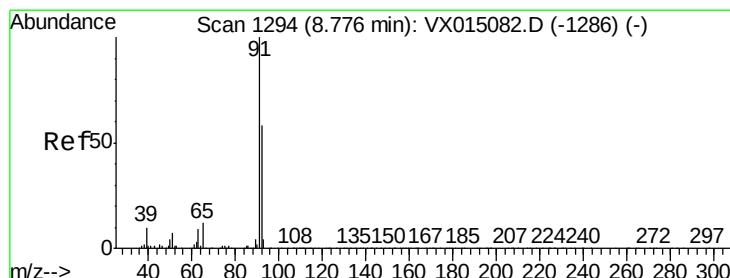
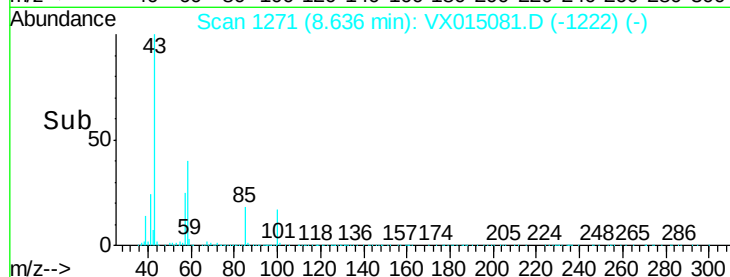
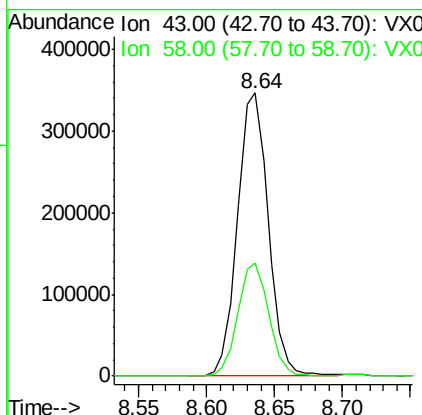
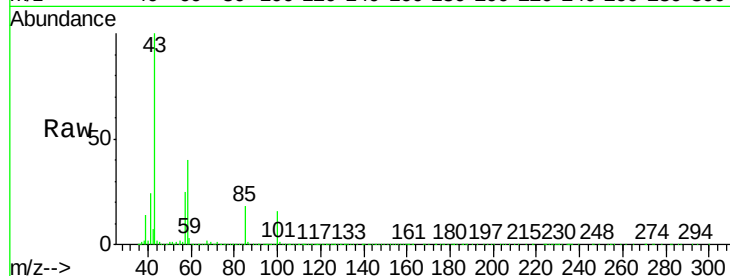
#51
4-Methyl-2-Pentanone
Concen: 100.891 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.6	47.4

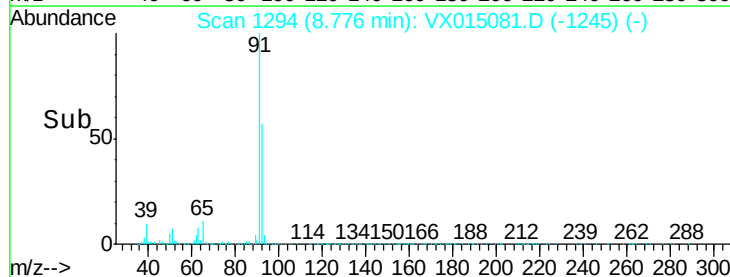
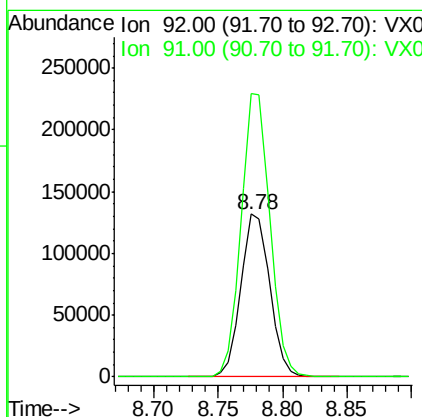
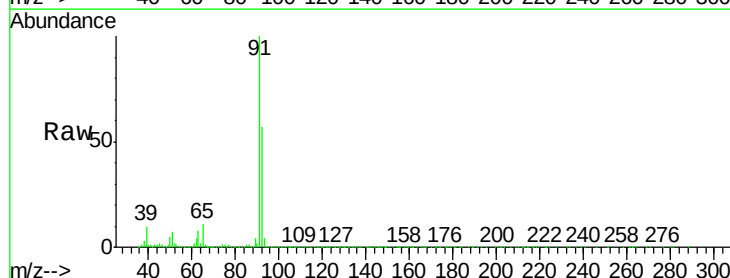
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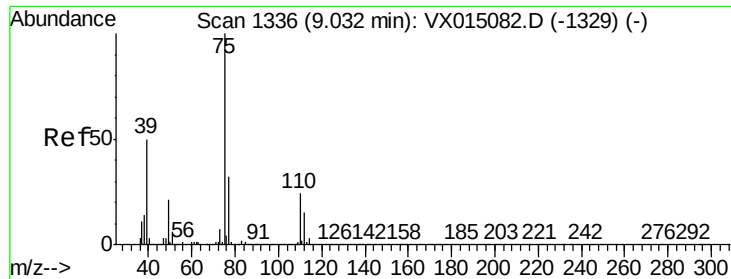
MMDadoda
3/5/2020 12:32:26 PM



#52
Toluene
Concen: 19.951 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.2	136.9	205.3





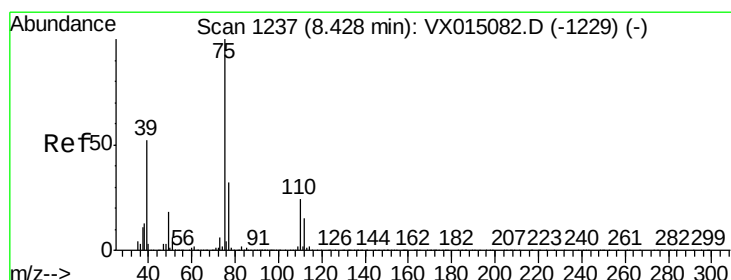
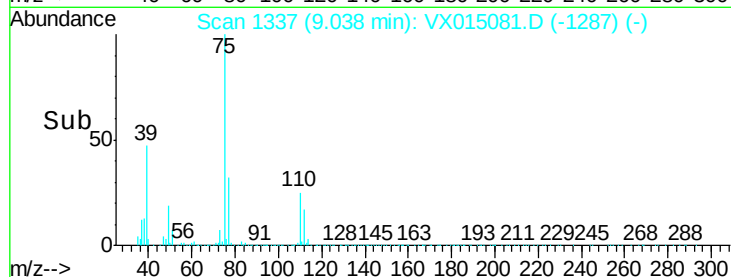
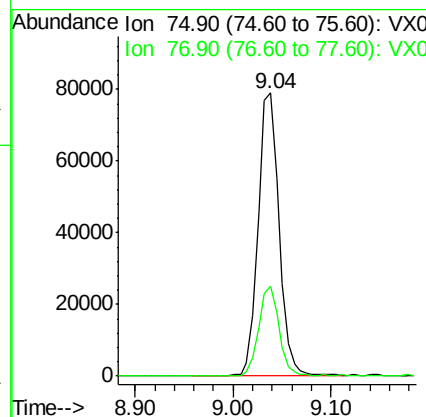
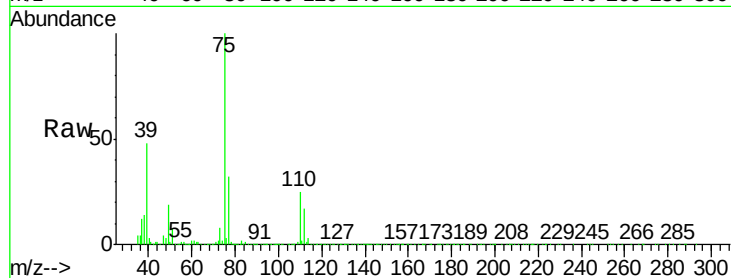
#53
t-1,3-Dichloropropene
Concen: 19.758 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.01 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0

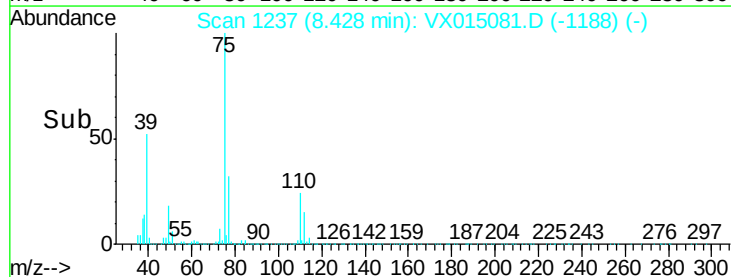
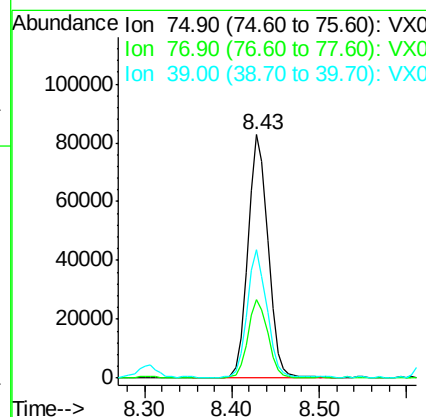
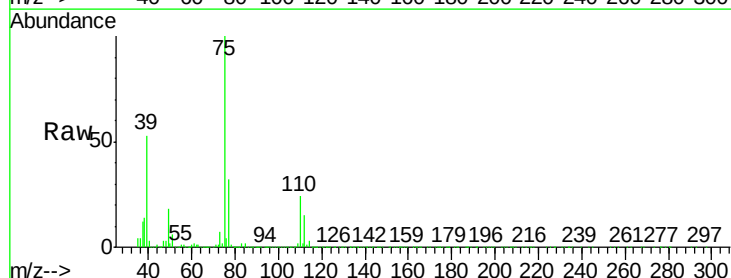
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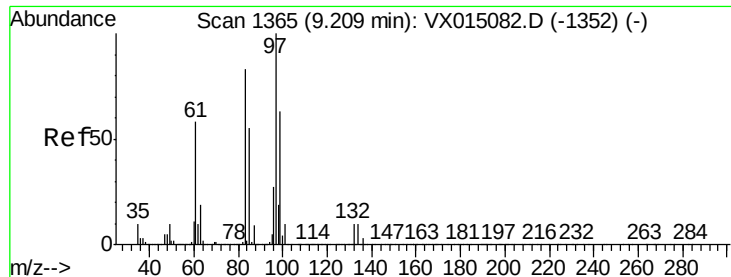
MMDadoda
3/5/2020 12:32:26 PM



#54
cis-1,3-Dichloropropene
Concen: 19.594 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.8	38.6
39	52.4	41.3	61.9





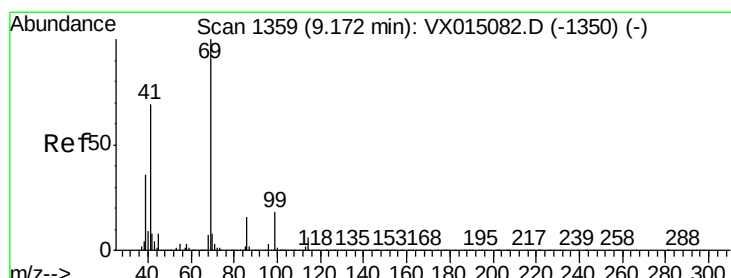
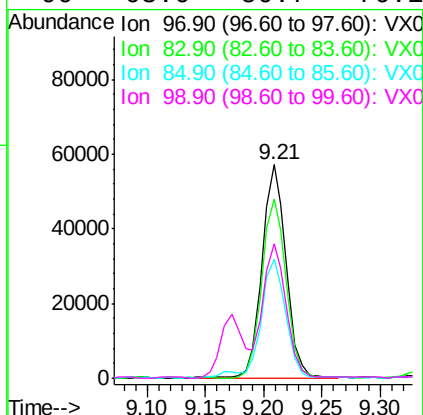
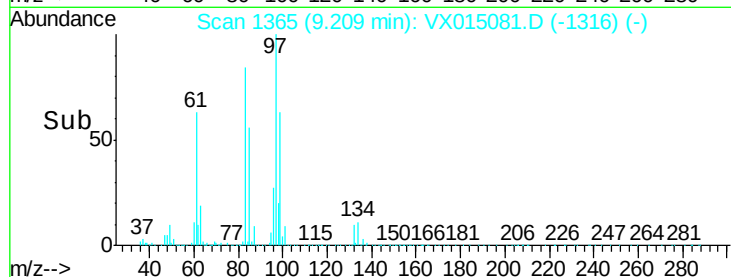
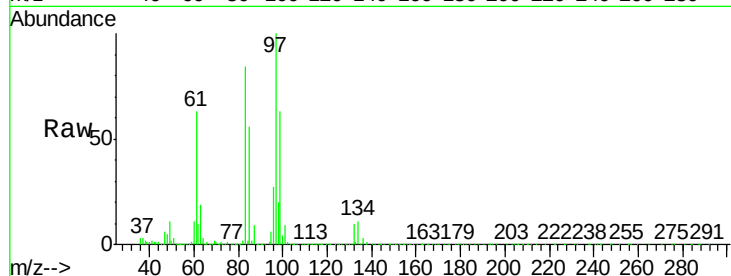
#55
 1,1,2-Trichloroethane
 Concen: 19.688 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX015081.D
 Acq: 04 Mar 2020 09:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		82856		
83	83.4	66.4	99.6		
85	55.2	43.5	65.3		
99	63.0	50.7	76.1		

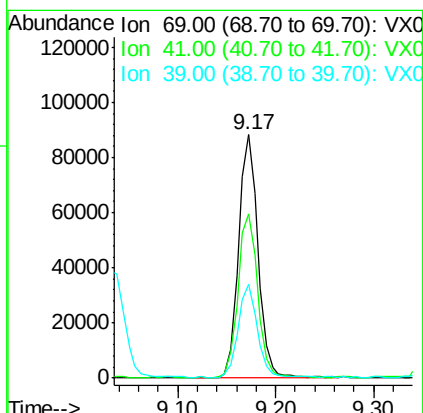
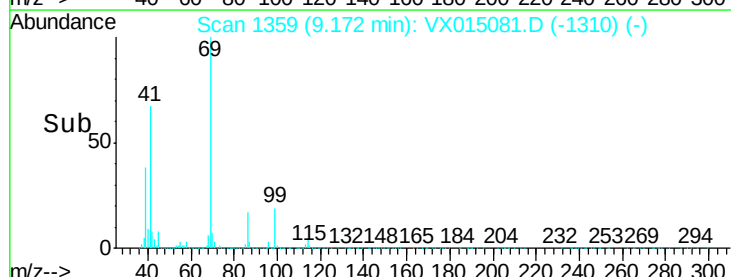
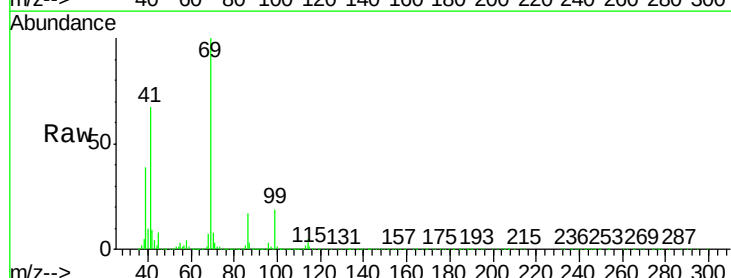
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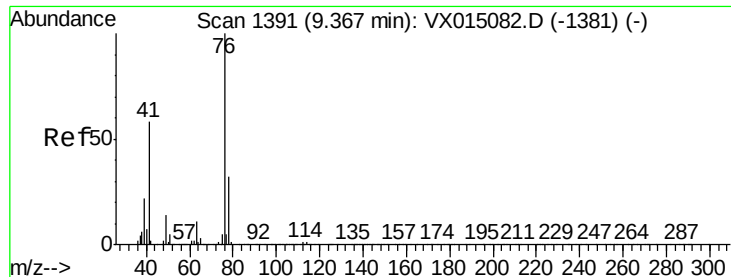
MMDadoda
 3/5/2020 12:32:26 PM



#56
 Ethyl methacrylate
 Concen: 20.372 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX015081.D
 Acq: 04 Mar 2020 09:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		122269		
41	67.5	55.8	83.8		
39	37.7	29.4	44.2		





#57

1,3-Dichloropropane

Concen: 19.922 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 141047

Ion Ratio Lower Upper

76 100

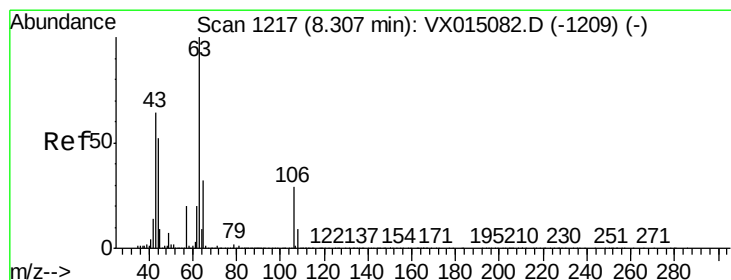
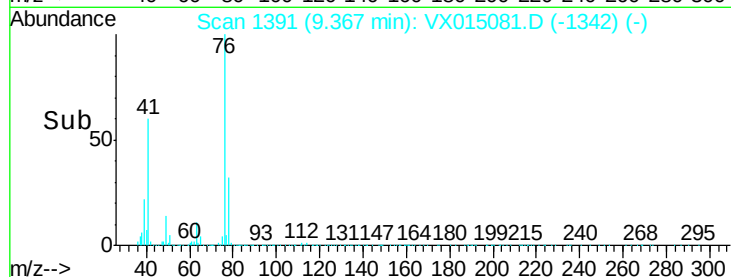
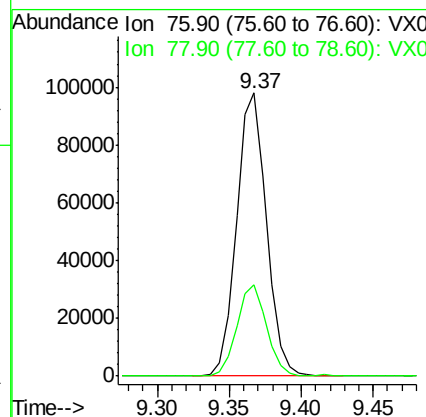
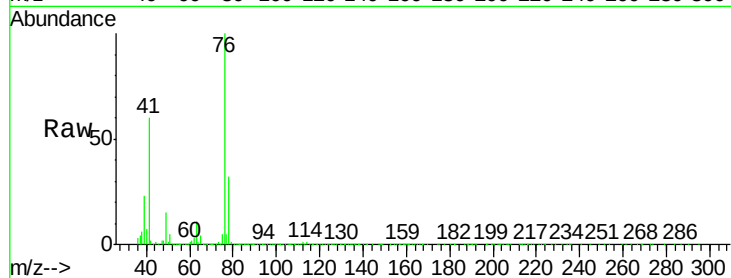
78 31.9 25.6 38.4

Manual Integrations

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MMDadoda

3/5/2020 12:32:26 PM



#58

2-Chloroethyl Vinyl ether

Concen: 97.756 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX015081.D

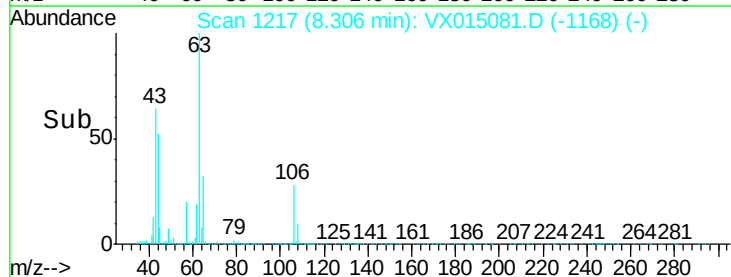
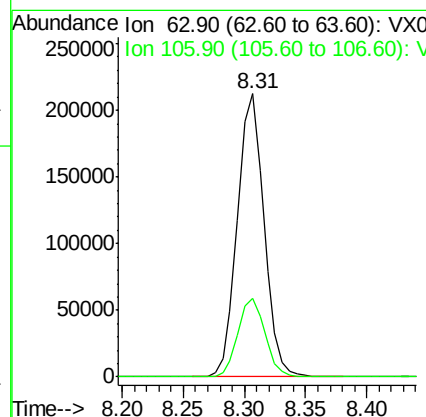
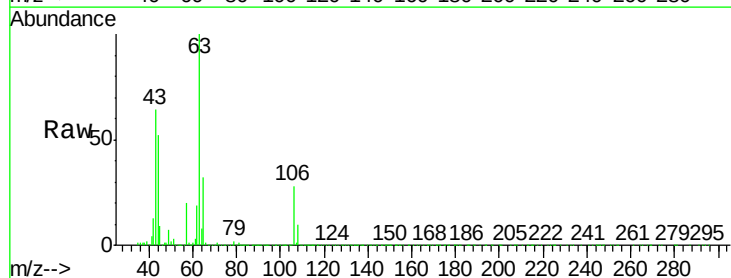
Acq: 04 Mar 2020 09:24

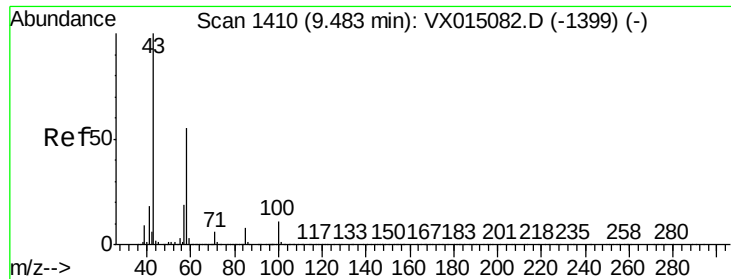
Tgt Ion: 63 Resp: 319664

Ion Ratio Lower Upper

63 100

106 28.3 22.8 34.2





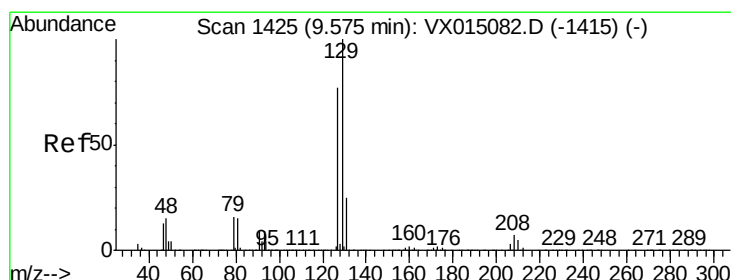
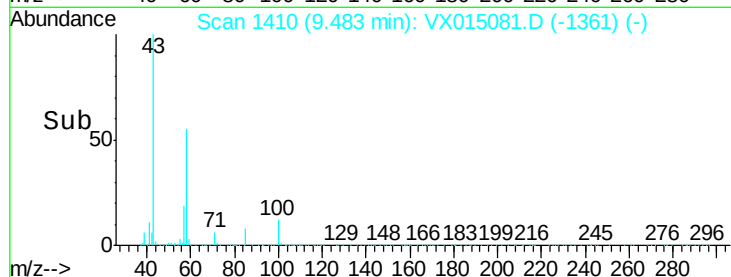
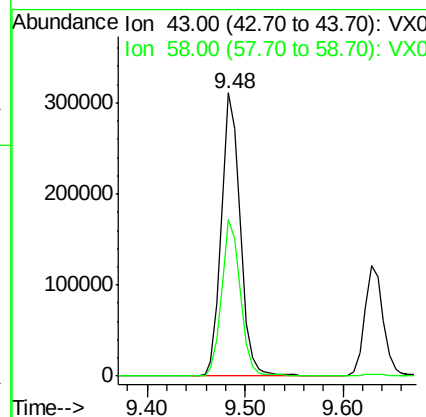
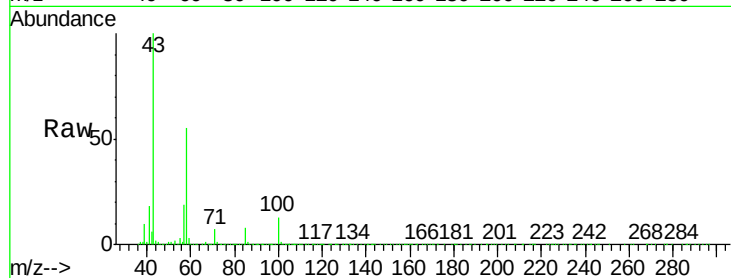
#59
2-Hexanone
Concen: 103.482 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 417047
Ion Ratio Lower Upper
43 100
58 54.4 27.3 81.8

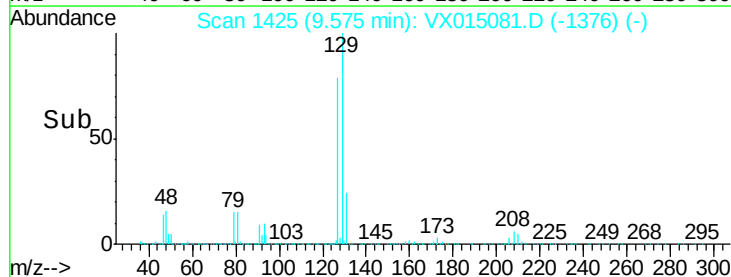
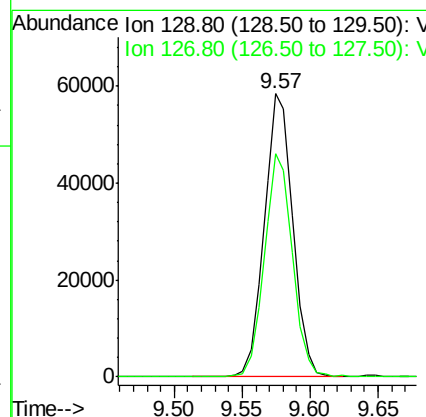
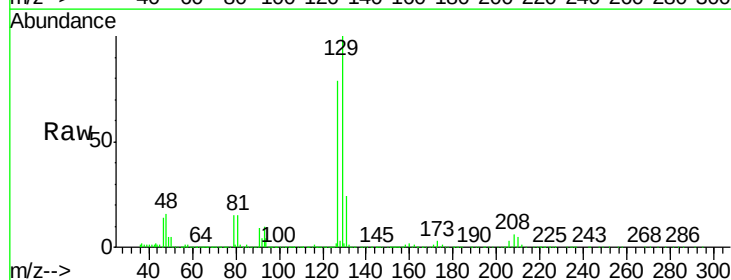
Manual Integrations
APPROVED

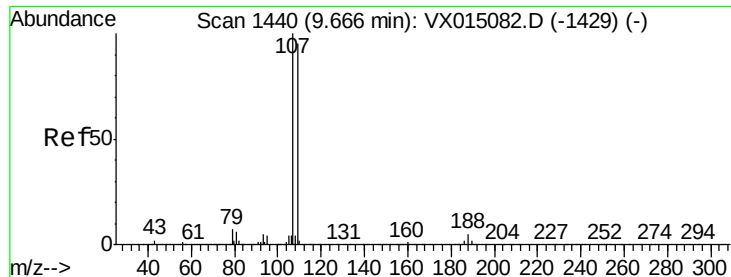
MMDadoda
3/5/2020 12:32:26 PM



#60
Dibromochloromethane
Concen: 19.453 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Tgt Ion:129 Resp: 85999
Ion Ratio Lower Upper
129 100
127 77.1 38.8 116.3





#61

1,2-Dibromoethane

Concen: 19.350 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 85533

Ion Ratio Lower Upper

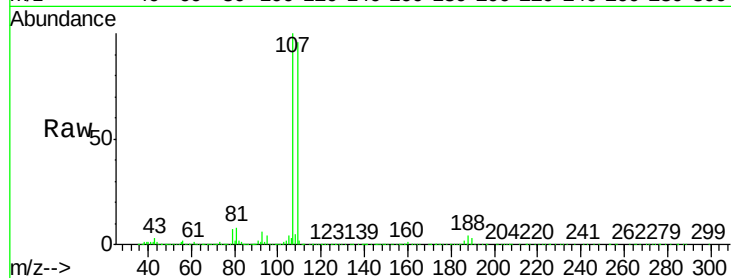
107 100

109 94.7 75.6 113.4

Manual Integrations
APPROVED

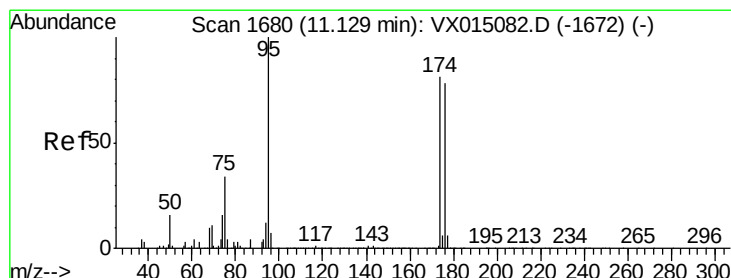
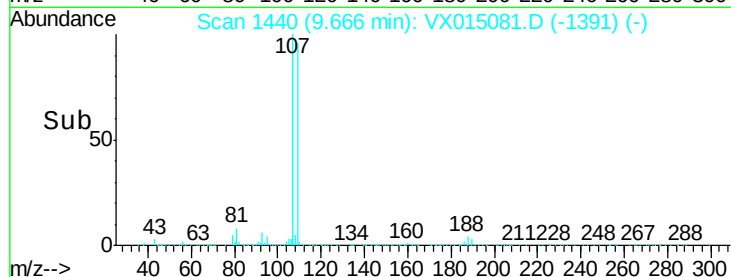
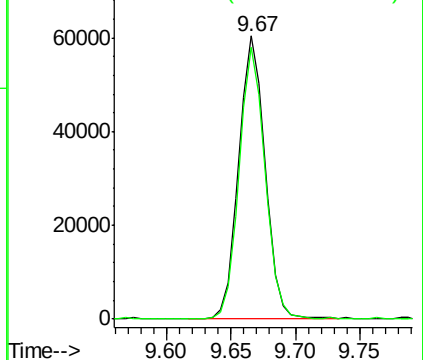
MMDadoda

3/5/2020 12:32:26 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 19.674 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

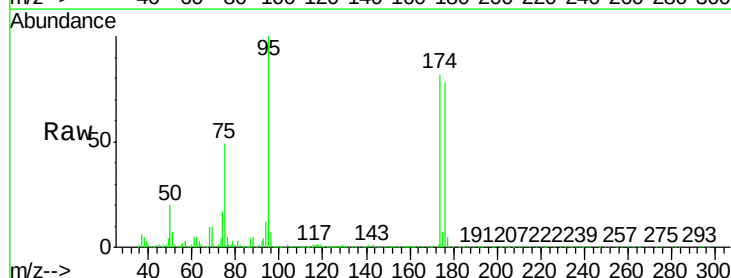
Tgt Ion: 95 Resp: 102608

Ion Ratio Lower Upper

95 100

174 86.8 0.0 177.6

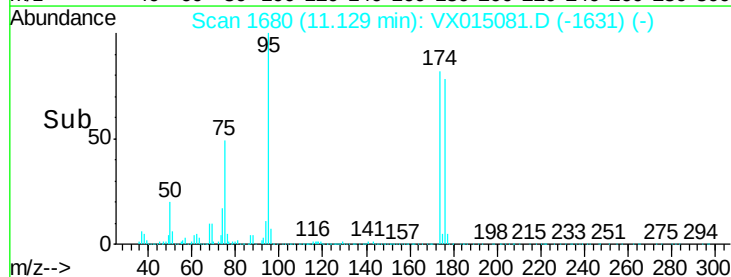
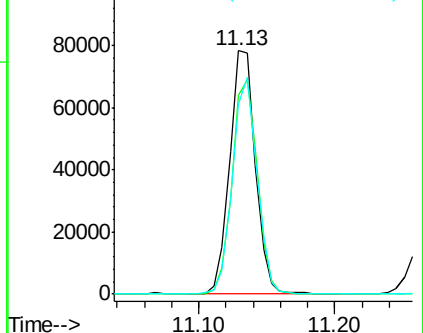
176 85.4 0.0 170.2

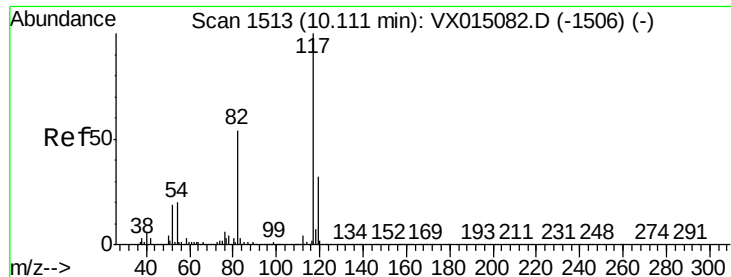


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





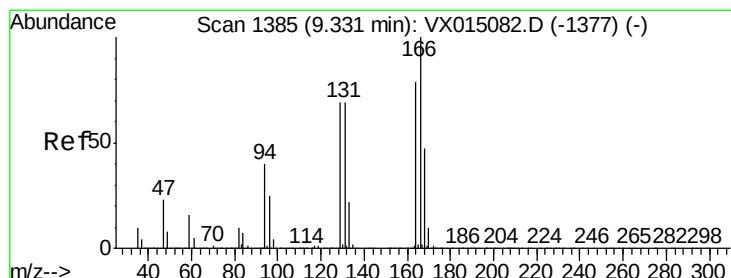
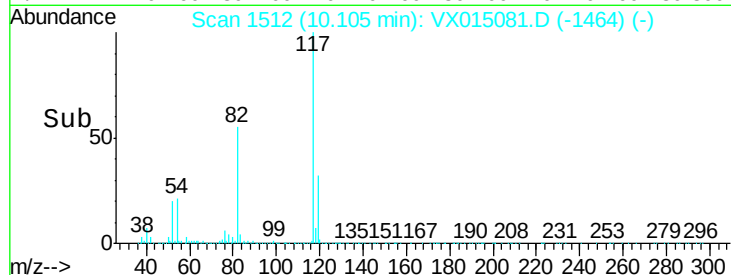
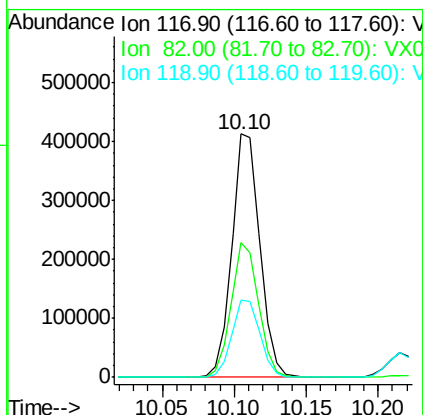
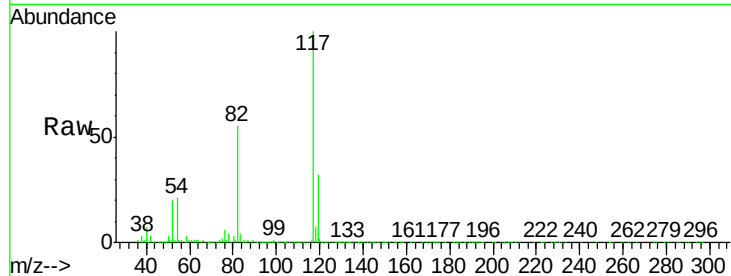
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	562926		
82	55.3	43.3	64.9	
119	31.6	25.8	38.8	

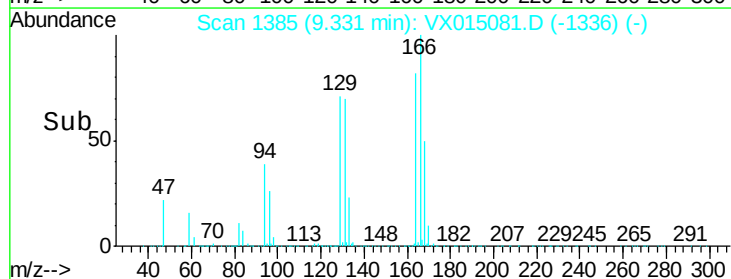
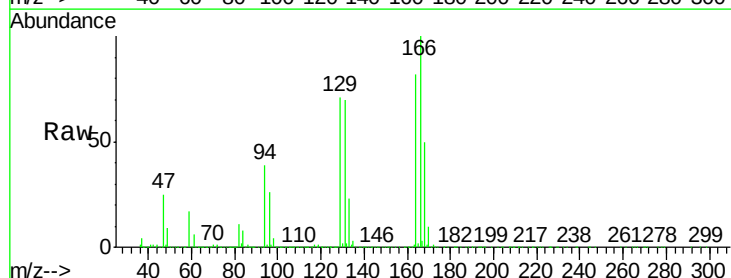
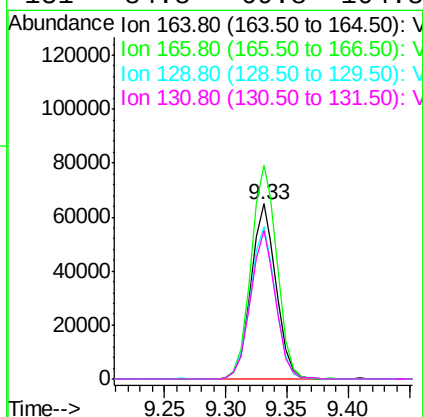
Manual Integrations
APPROVED

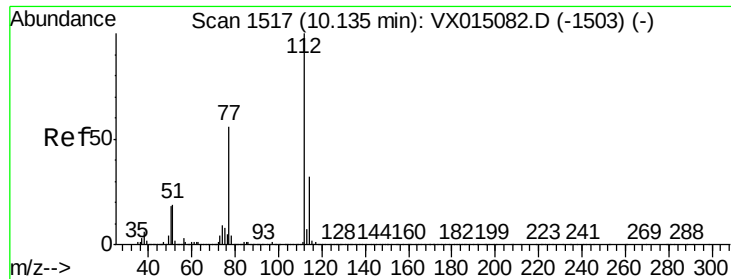
MMDadoda
3/5/2020 12:32:26 PM



#64
Tetrachloroethene
Concen: 19.978 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	92984		
166	121.8	101.1	151.7	
129	86.8	69.4	104.0	
131	84.8	69.8	104.8	





#65

Chlorobenzene

Concen: 19.540 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 220829

Ion Ratio Lower Upper

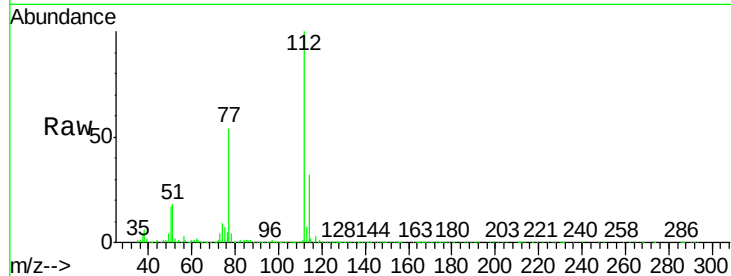
112 100

114 32.0 25.5 38.3

Manual Integrations
APPROVED

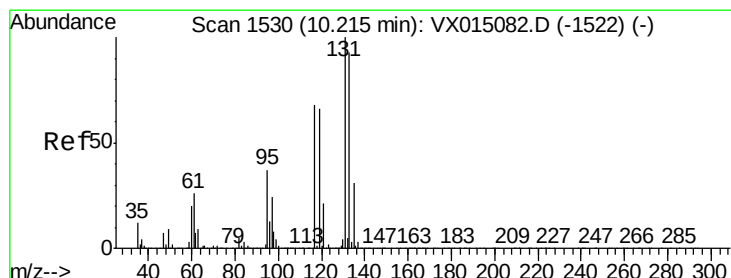
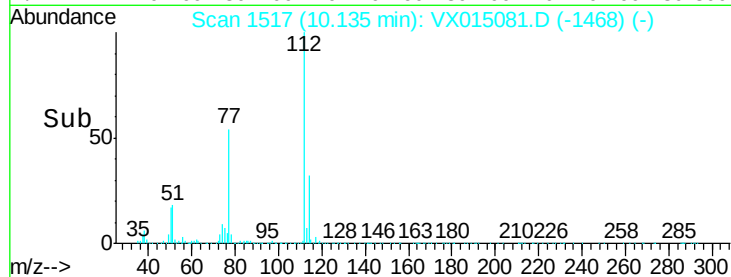
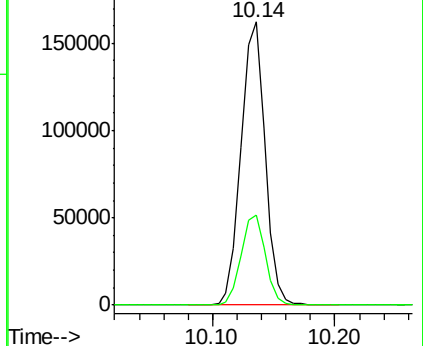
MMDadoda

3/5/2020 12:32:26 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.180 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

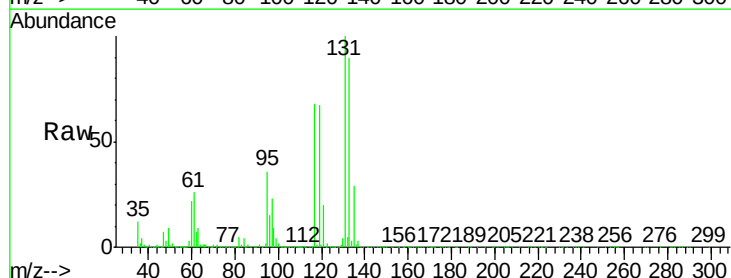
Tgt Ion:131 Resp: 81738

Ion Ratio Lower Upper

131 100

133 96.7 47.5 142.5

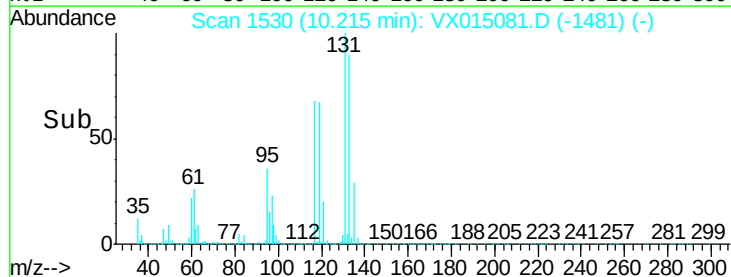
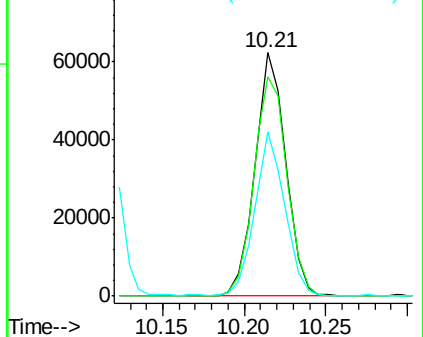
119 65.2 33.4 100.1

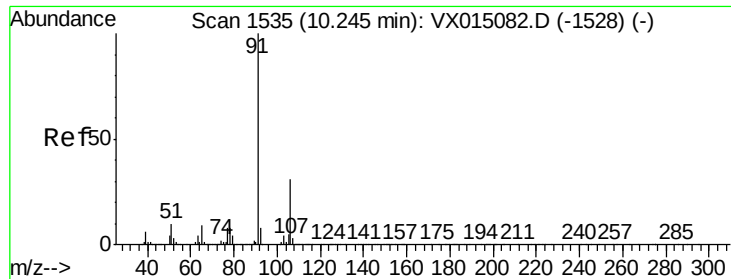


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.943 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 382735

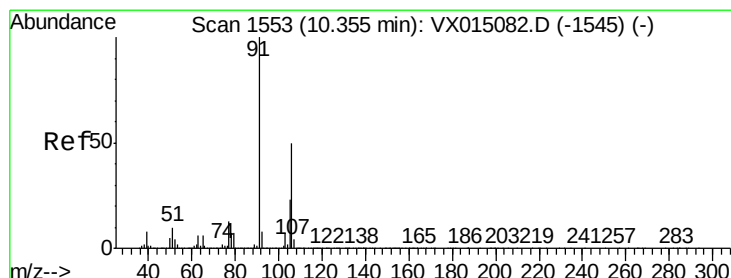
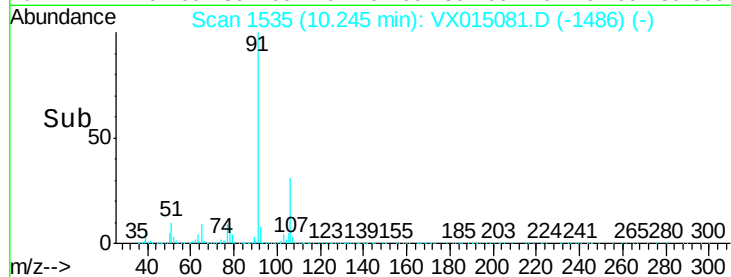
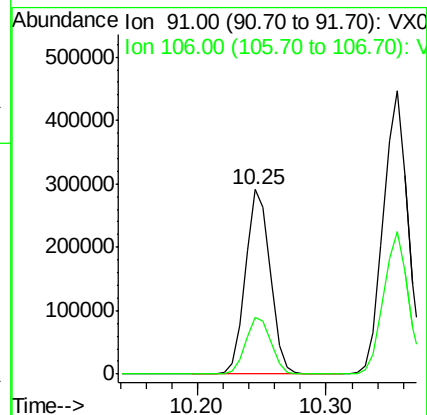
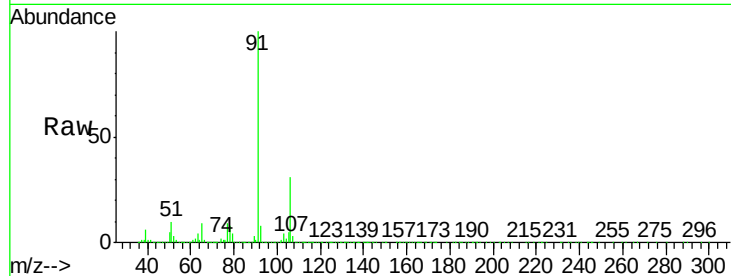
Ion Ratio Lower Upper

91 100

106 30.5 24.9 37.3

Manual Integrations
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#68

m/p-Xylenes

Concen: 40.460 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX015081.D

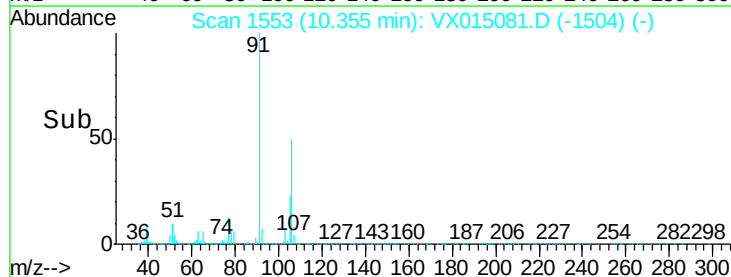
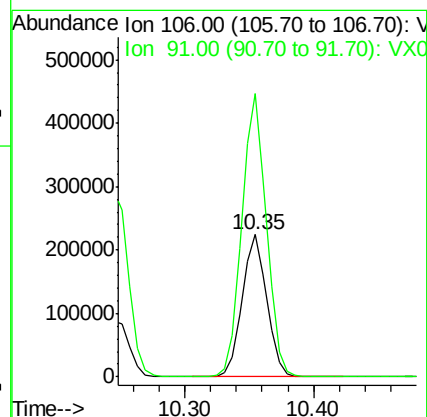
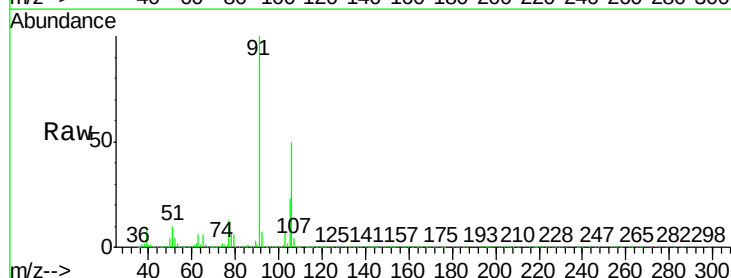
Acq: 04 Mar 2020 09:24

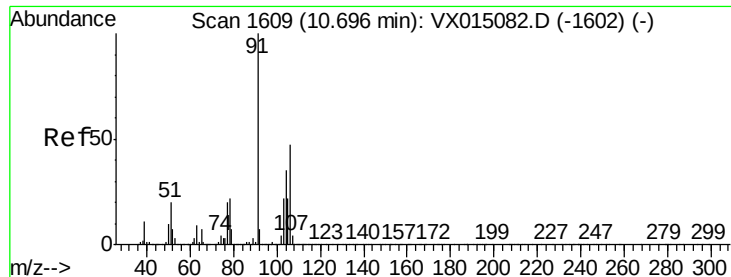
Tgt Ion: 106 Resp: 295425

Ion Ratio Lower Upper

106 100

91 198.8 159.4 239.2





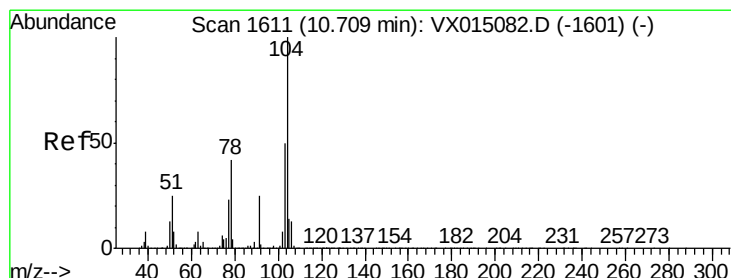
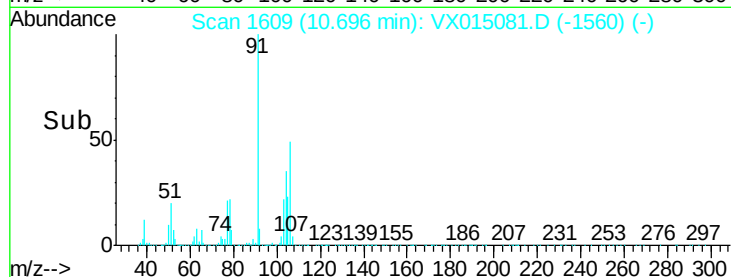
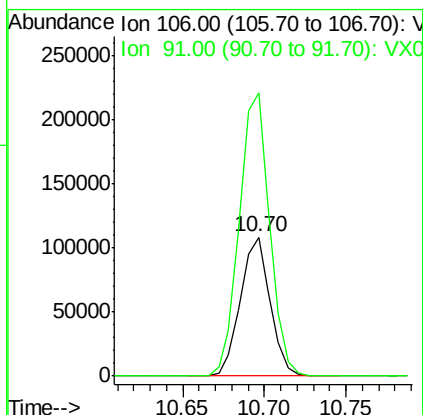
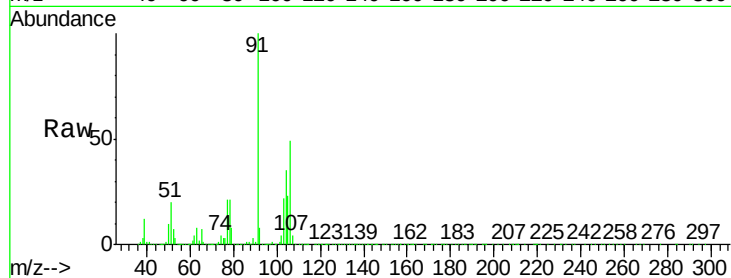
#69
o-Xylene
Concen: 19.652 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
106	100	137381		
91	208.3	105.4	316.1	

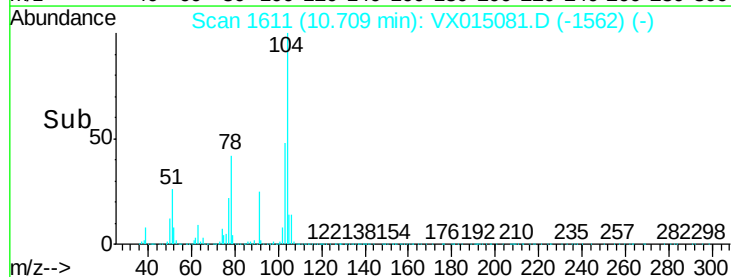
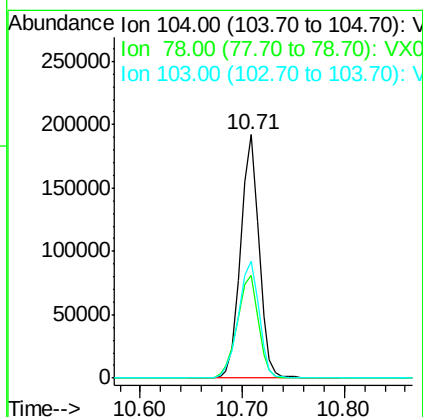
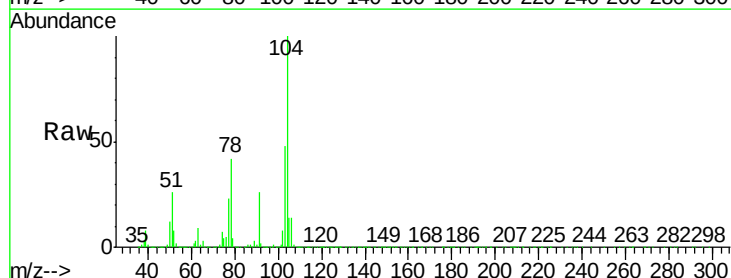
Manual Integrations
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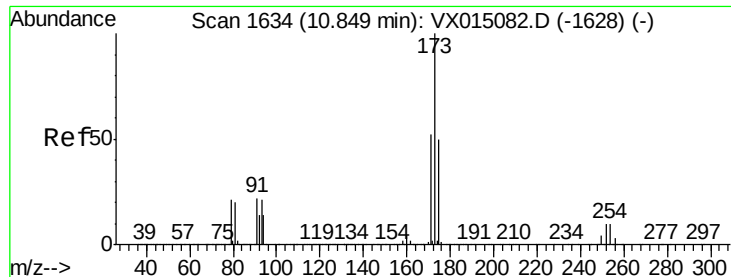
MMDadoda
3/5/2020 12:32:26 PM



#70
Styrene
Concen: 19.853 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	237966		
78	48.5	39.0	58.4	
103	53.9	43.7	65.5	





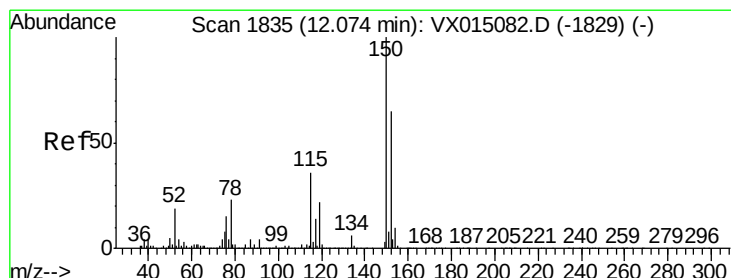
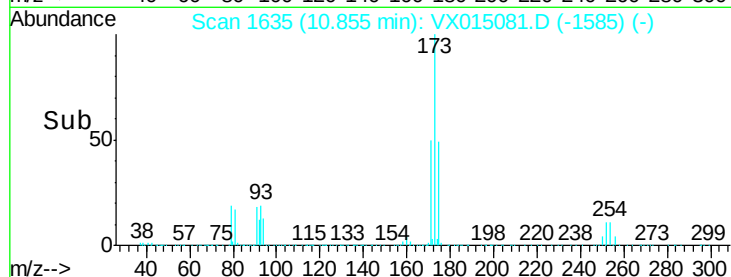
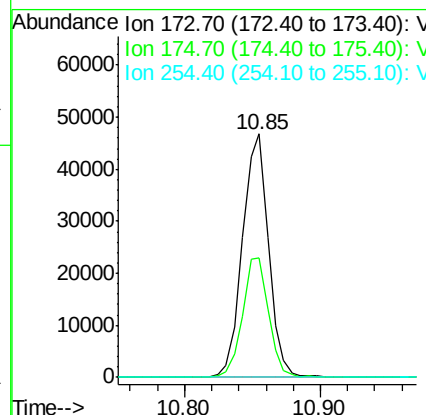
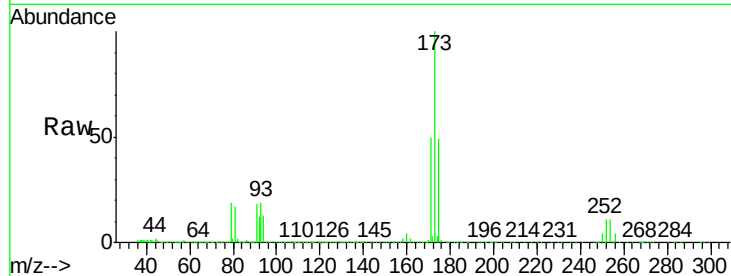
#71
Bromoform
Concen: 18.927 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.9	74.7
254	0.3	0.2	0.2#

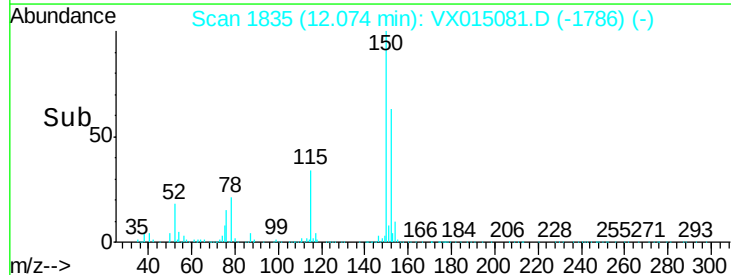
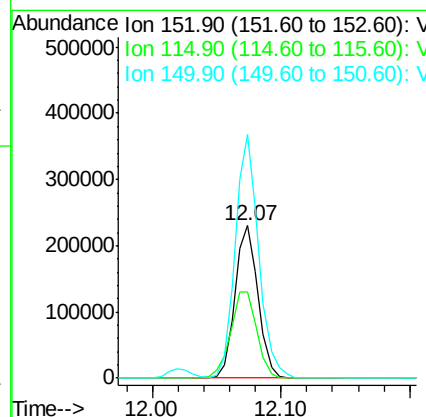
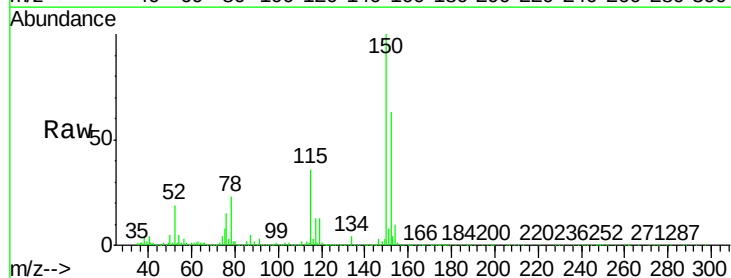
Manual Integrations
APPROVED

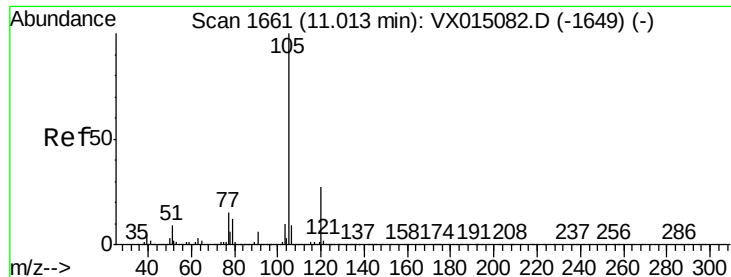
MMDadoda
3/5/2020 12:32:26 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.5	38.2	114.6
150	163.4	0.0	343.8





#73

Isopropylbenzene

Concen: 20.336 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 370918

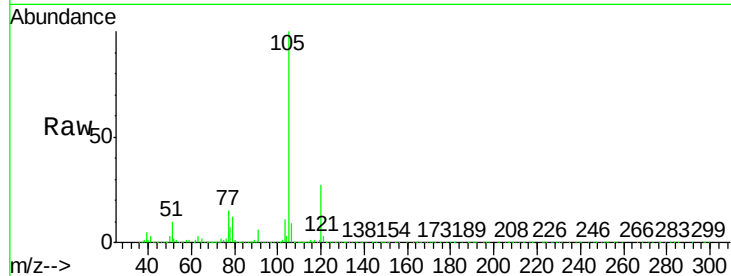
Ion Ratio Lower Upper

105 100

120 27.3 13.5 40.5

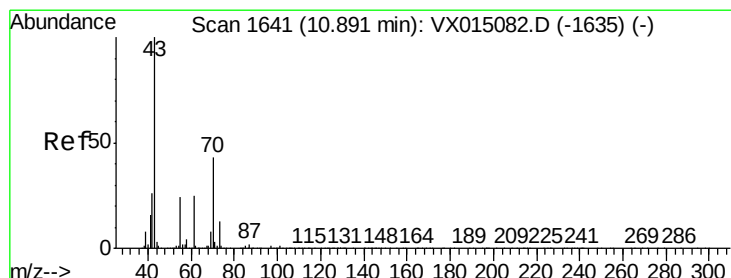
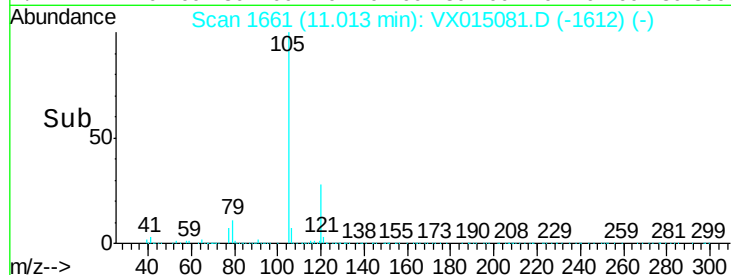
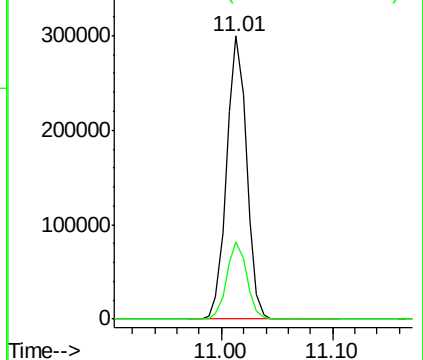
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.575 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Tgt Ion: 43 Resp: 150464

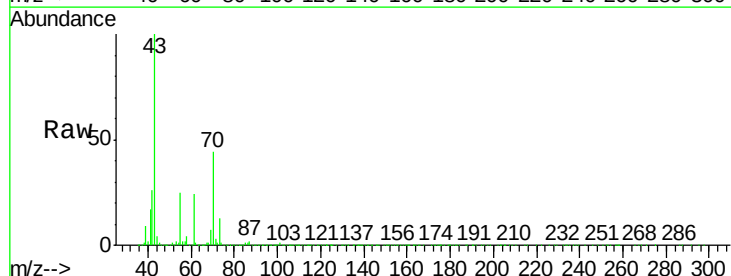
Ion Ratio Lower Upper

43 100

70 43.0 34.7 52.1

55 25.4 19.4 29.0

61 24.1 19.0 28.6

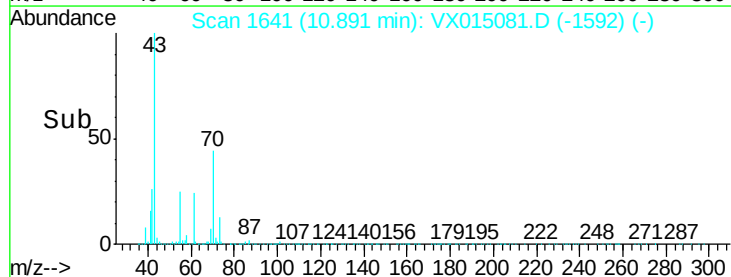
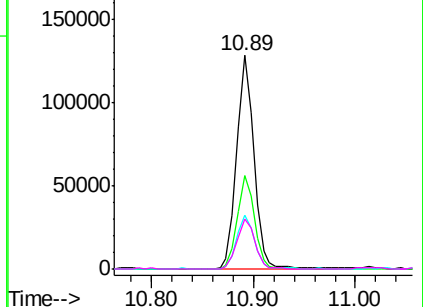


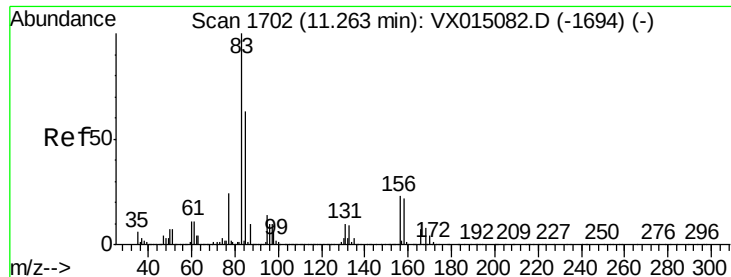
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.642 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Instrument :

MSVOA_X

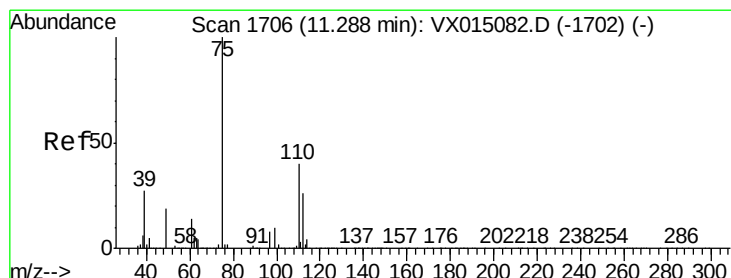
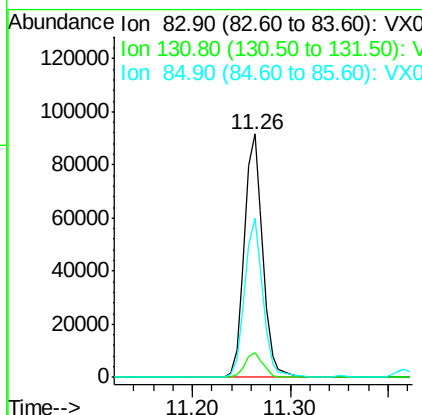
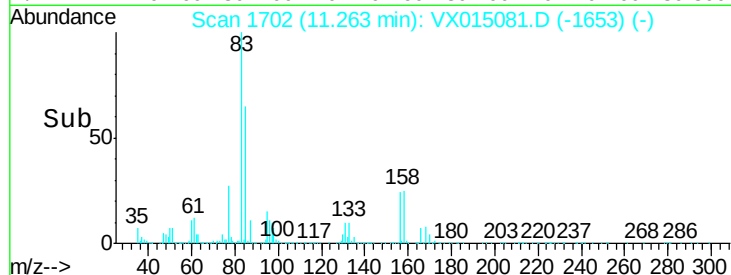
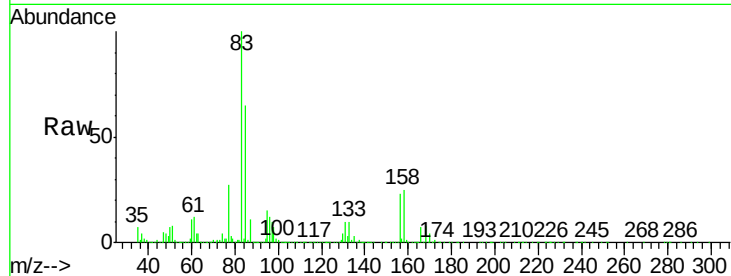
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	119390
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.0	14.9
85	65.0	31.9	95.9

Manual Integrations
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3/5/2020 12:32:26 PM



#76

1,2,3-Trichloropropane

Concen: 20.204 ug/l m

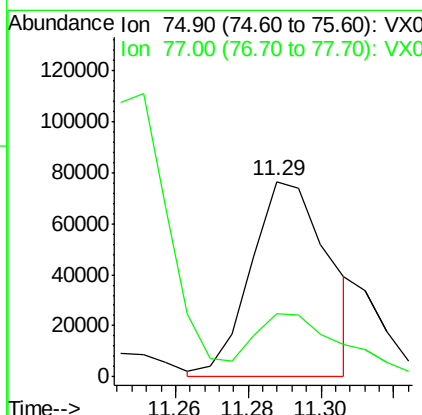
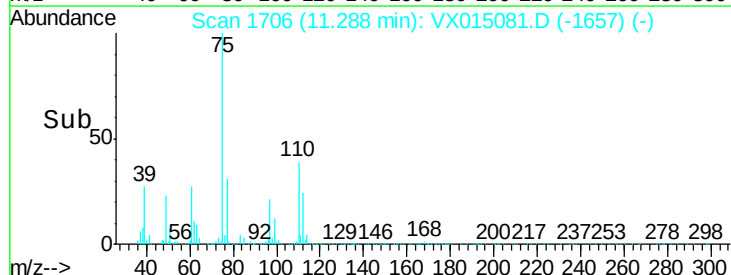
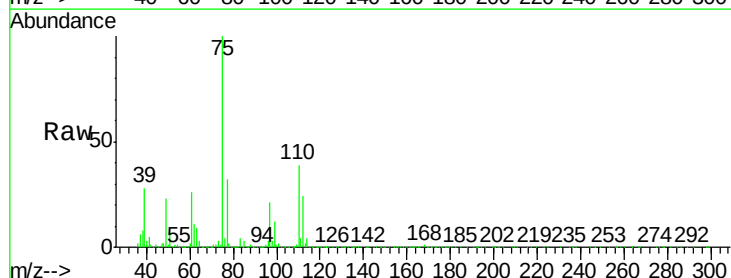
RT: 11.29 min Scan# 1706

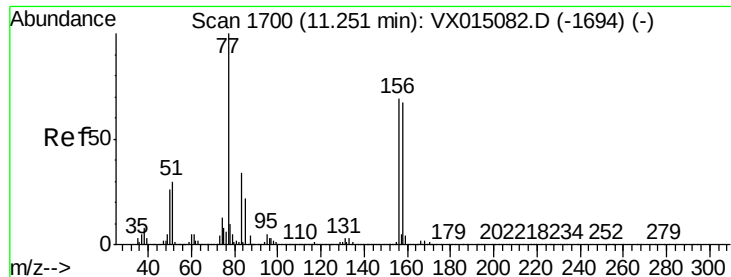
Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Tgt Ion:	75	Resp:	113212
Ion Ratio	Lower	Upper	
75	100		
77	36.4	22.6	67.8





#77

Bromobenzene

Concen: 19.312 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Instrument :

MSVOA_X

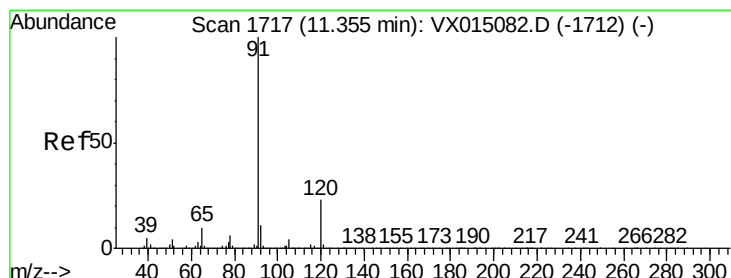
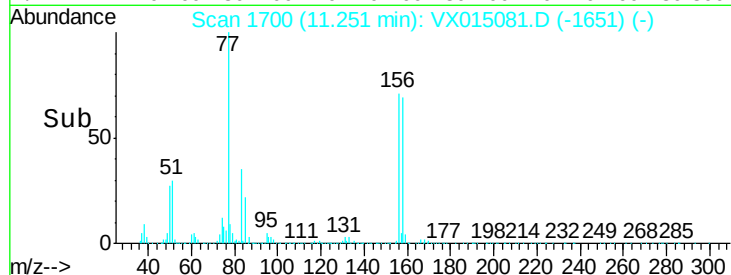
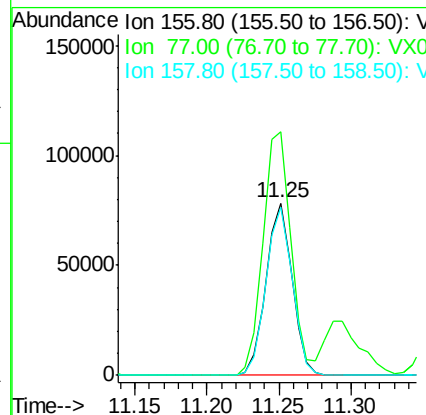
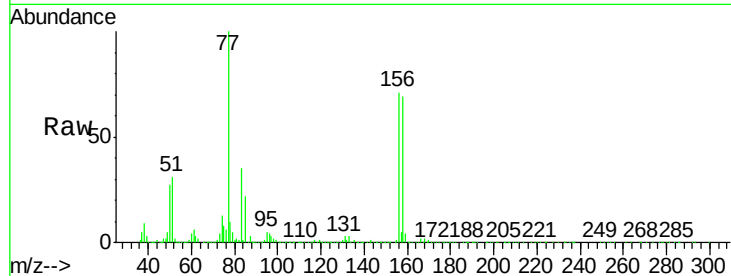
ClientSampled :

VSTDIC020

Tot Ion:	156	Resp:	98161
Ion Ratio	Lower	Upper	
156	100		
77	151.2	75.3	225.9
158	98.5	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 20.460 ug/l

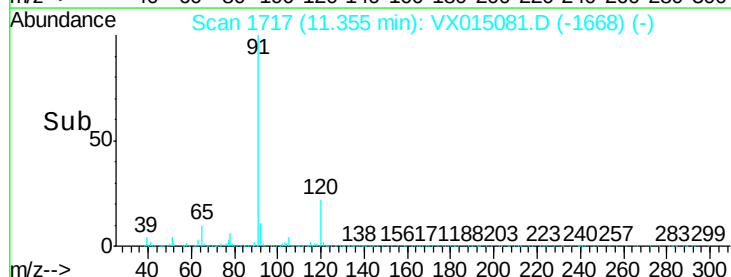
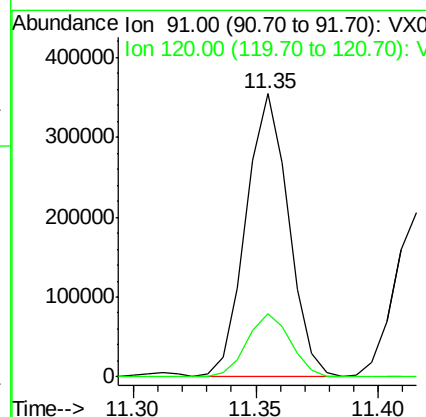
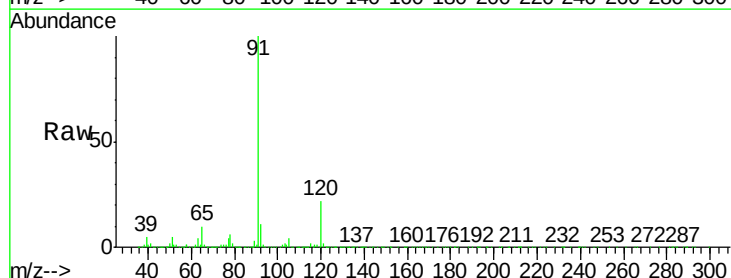
RT: 11.35 min Scan# 1717

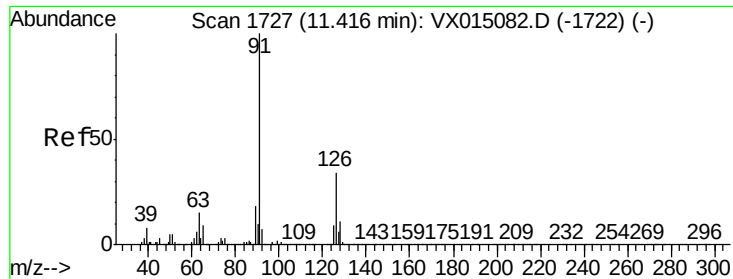
Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Tgt Ion:	91	Resp:	426340
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.7	35.1





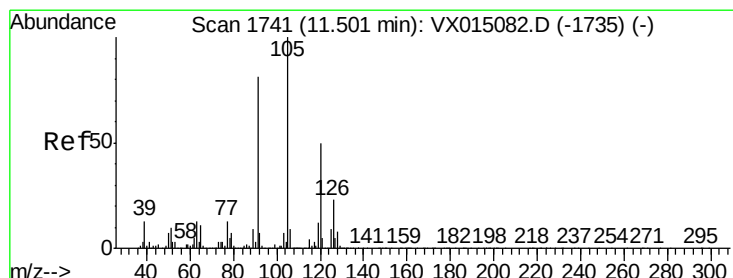
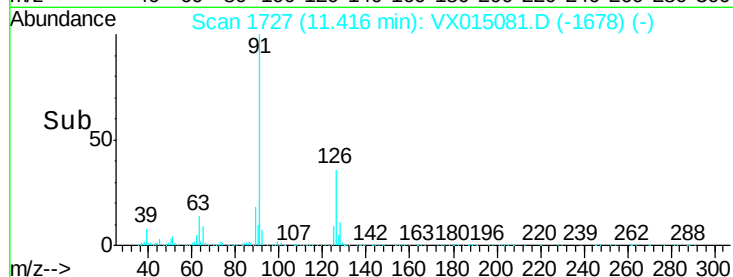
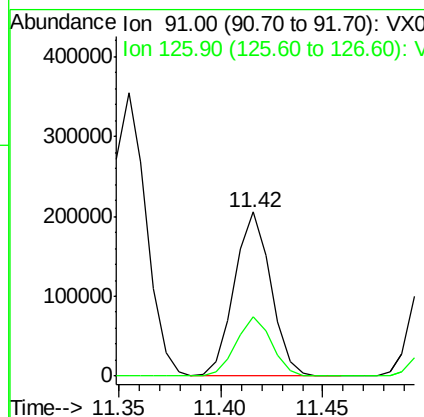
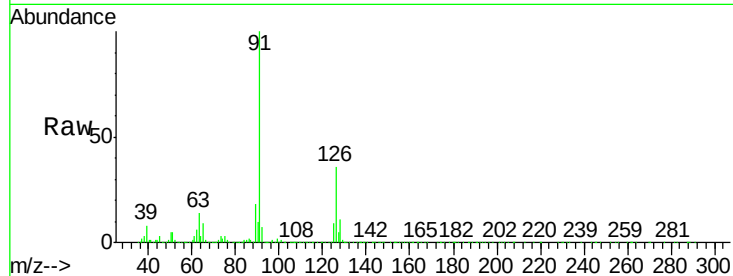
#79
 2-Chlorotoluene
 Concen: 20.324 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX015081.D
 Acq: 04 Mar 2020 09:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.3	52.0

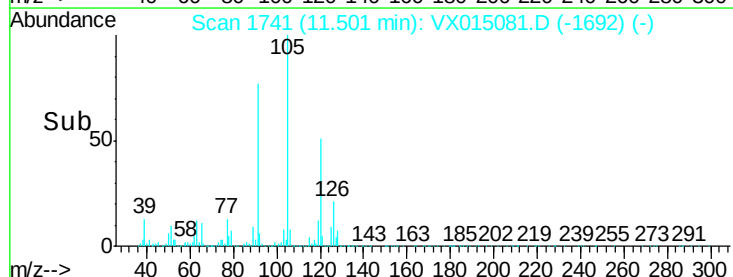
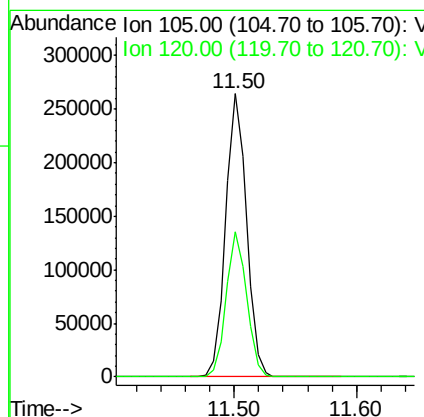
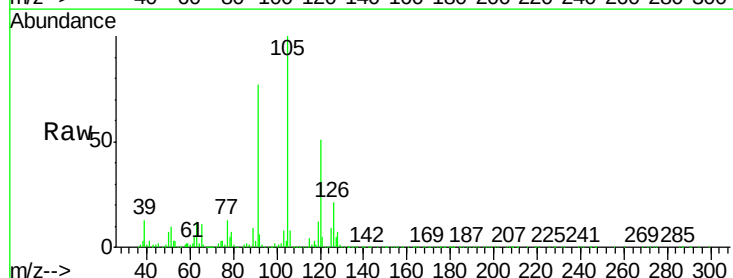
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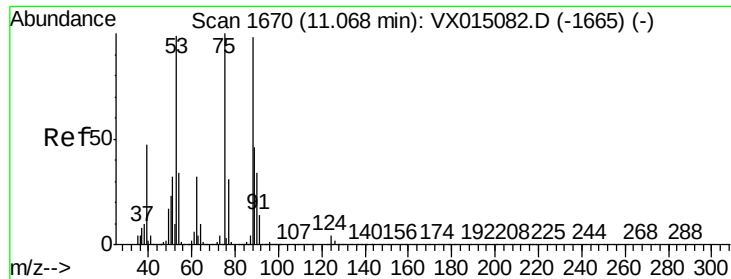
MMDadoda
 3/5/2020 12:32:26 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.524 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX015081.D
 Acq: 04 Mar 2020 09:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.1	25.1	75.4





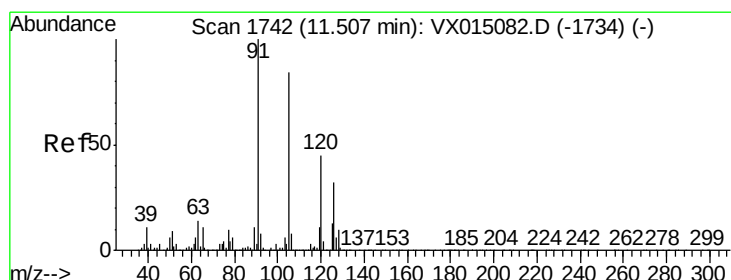
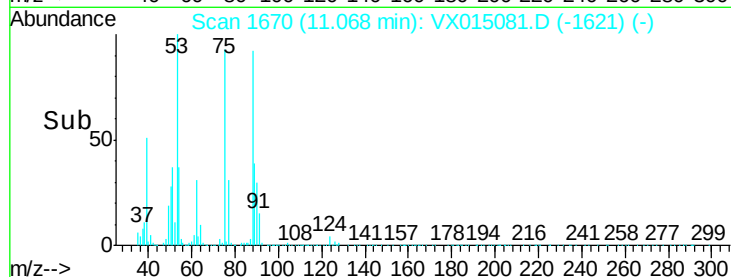
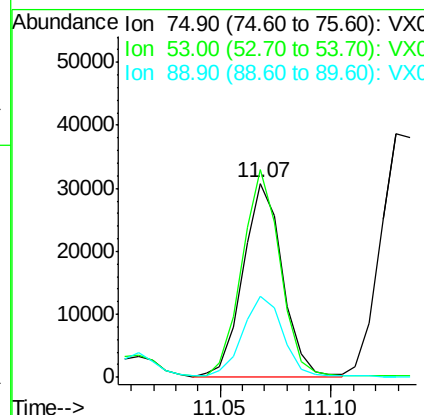
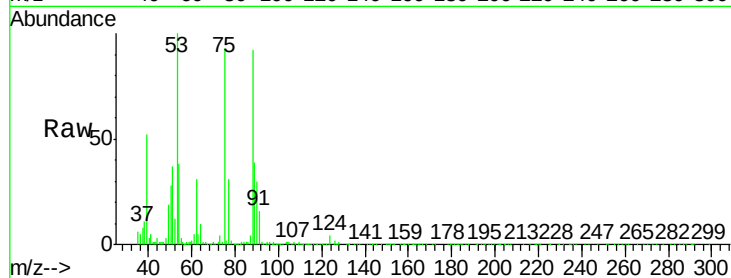
#81
trans-1,4-Dichloro-2-butene
Concen: 18.825 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.3	77.9	116.9
89	43.1	36.2	54.2

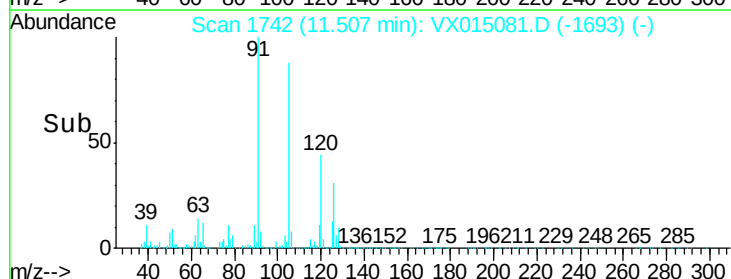
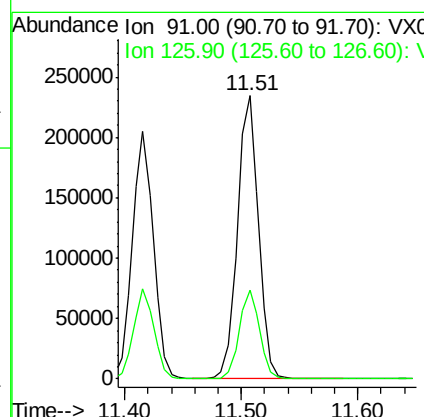
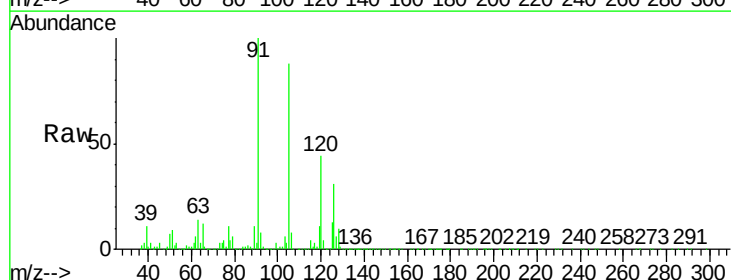
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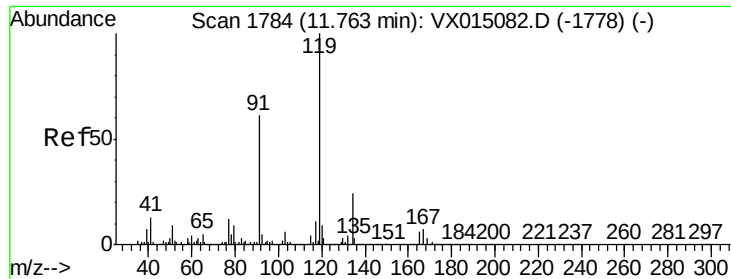
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.059 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.1	15.4	46.2





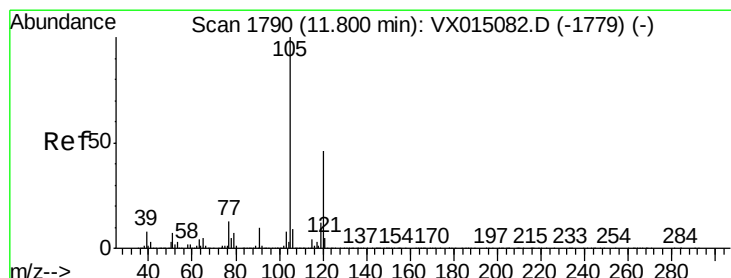
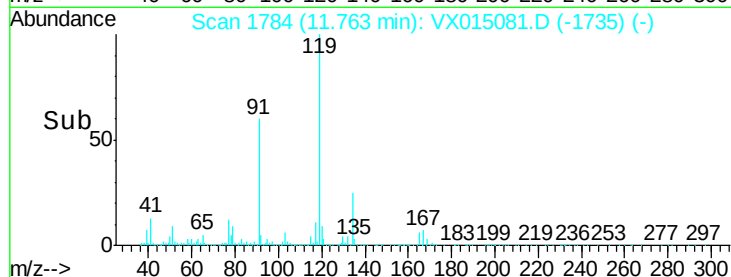
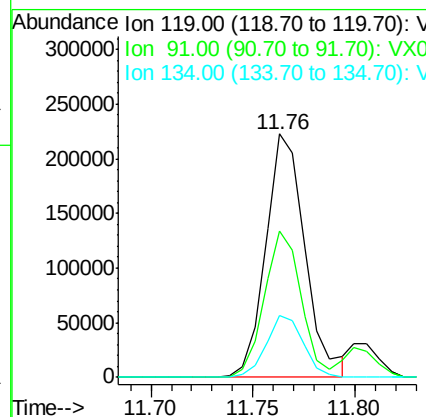
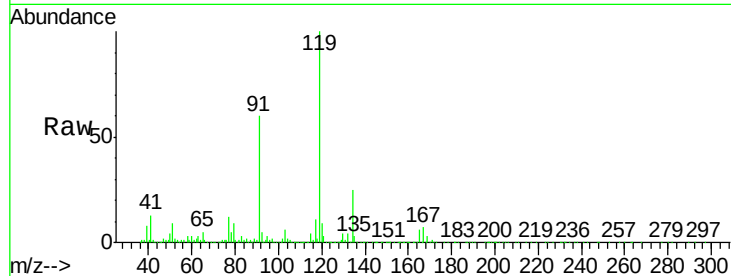
#83
tert-Butylbenzene
Concen: 20.336 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	298560		
91	56.3	28.5	85.6	
134	23.9	11.9	35.7	

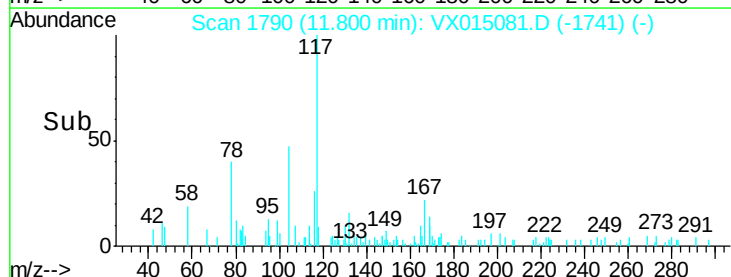
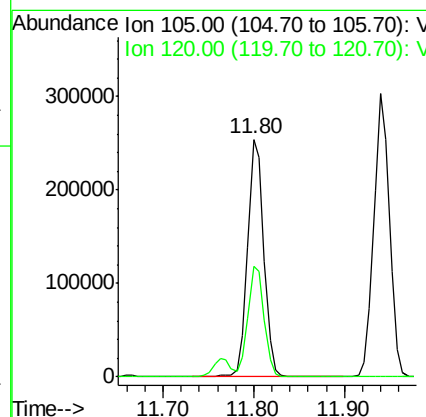
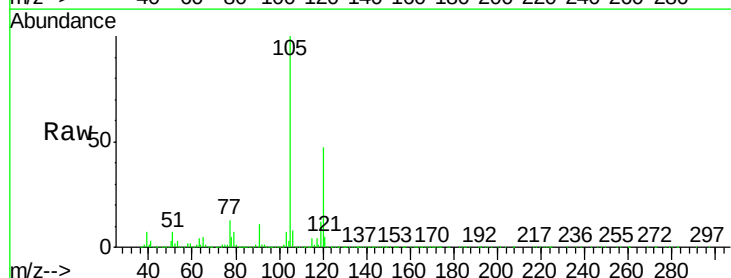
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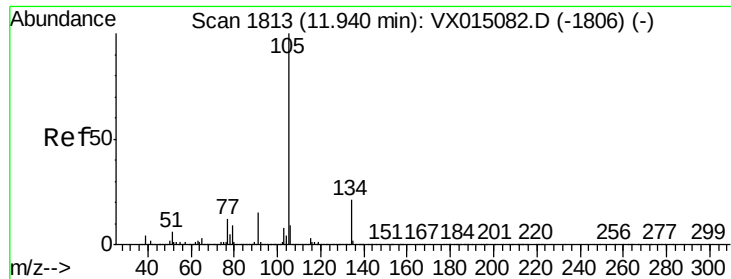
MMDadoda
3/5/2020 12:32:26 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.525 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	313071		
120	46.6	22.9	68.5	





#85

sec-Butylbenzene

Concen: 20.478 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 362927

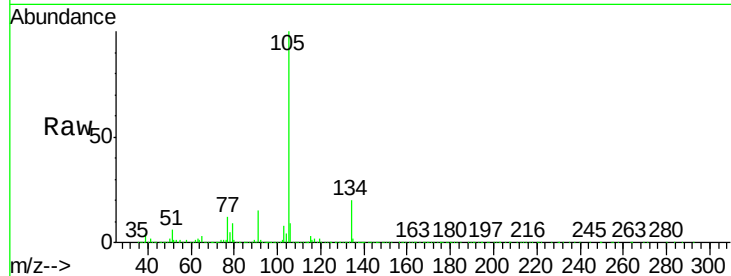
Ion Ratio Lower Upper

105 100

134 20.3 10.4 31.2

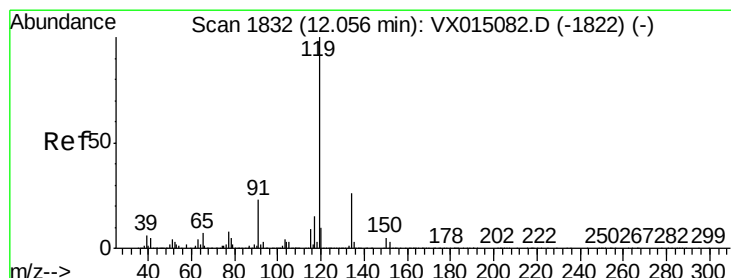
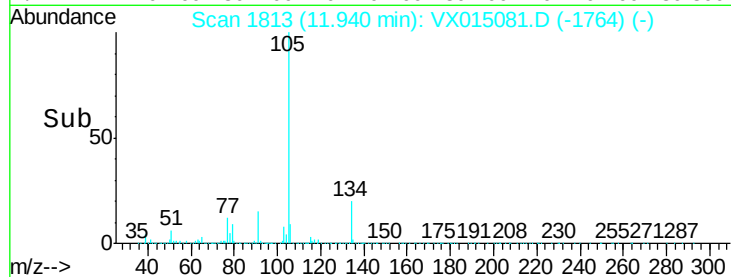
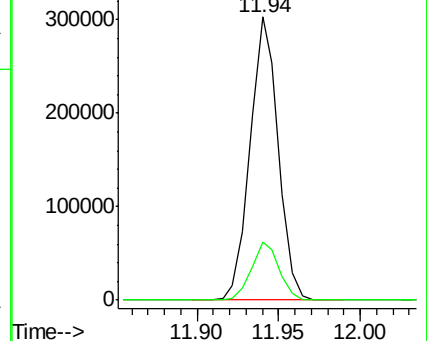
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.394 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

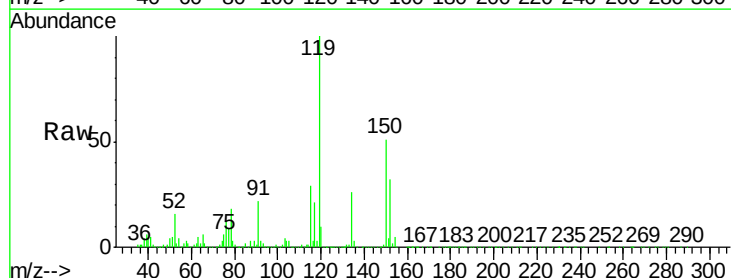
Tgt Ion:119 Resp: 333005

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

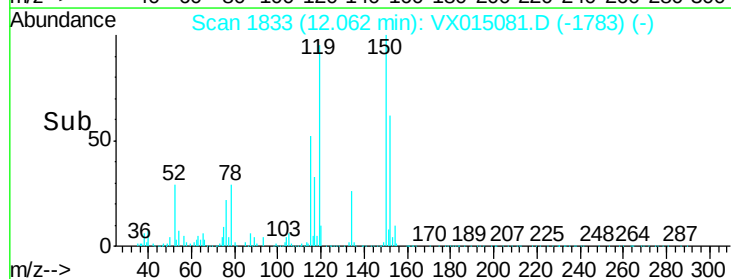
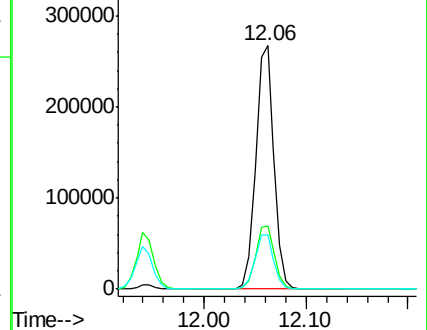
91 23.0 11.3 33.8

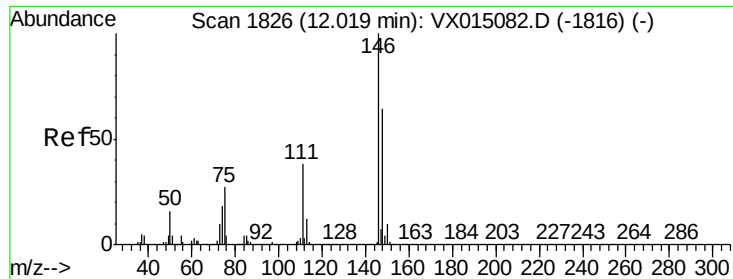


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.519 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX015081.D

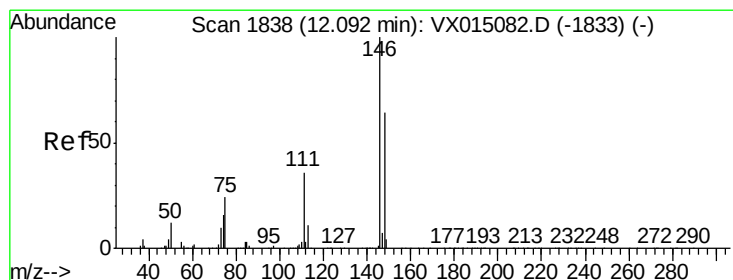
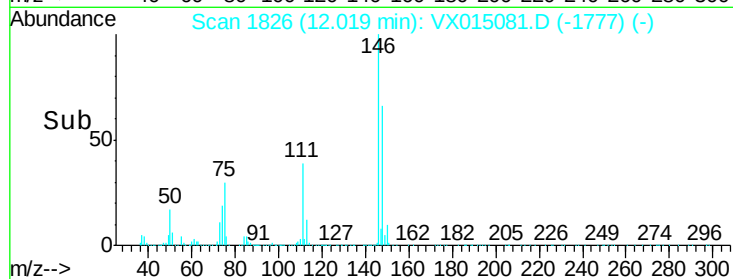
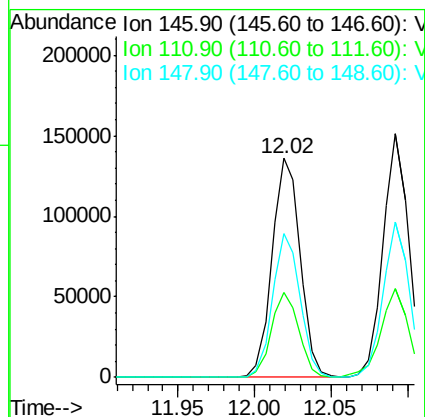
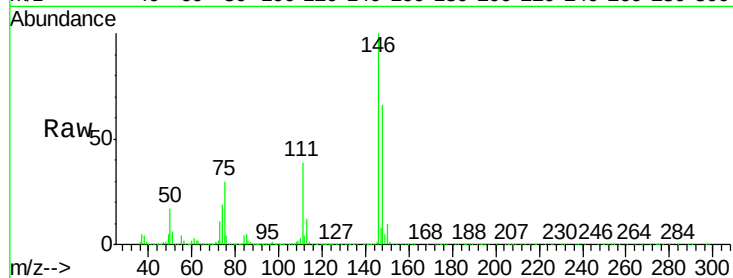
Acq: 04 Mar 2020 09:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.1
148	64.7	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 19.512 ug/l

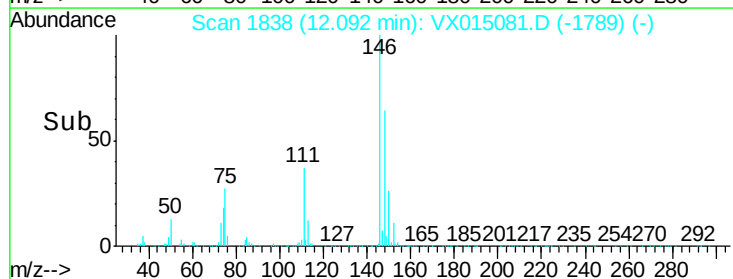
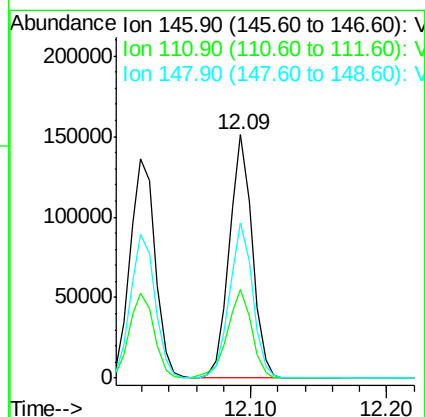
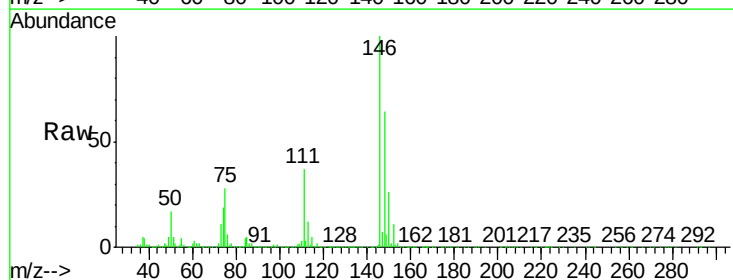
RT: 12.09 min Scan# 1838

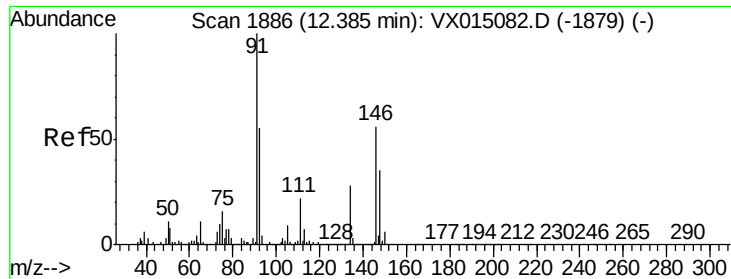
Delta R.T. -0.00 min

Lab File: VX015081.D

Acq: 04 Mar 2020 09:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.7	56.1
148	64.9	32.5	97.4





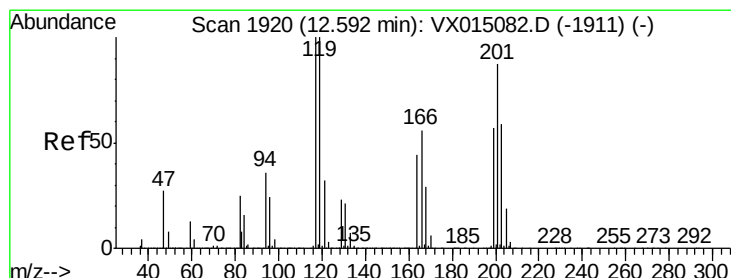
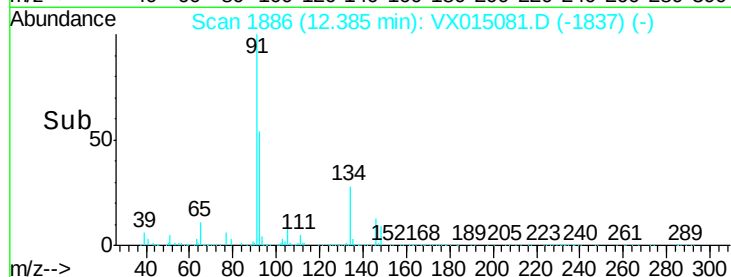
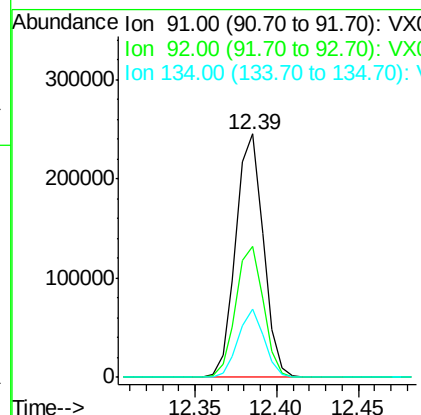
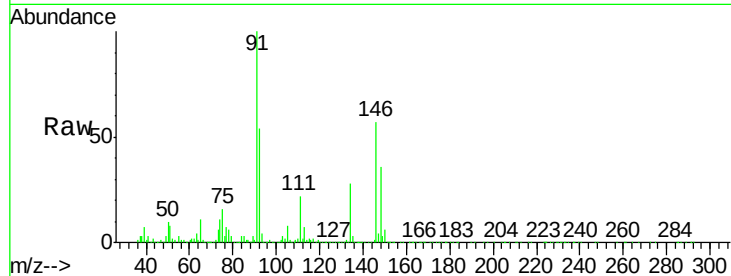
#89
n-Butylbenzene
Concen: 19.900 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	288999		
92	54.2		27.2	81.6
134	26.6		13.5	40.5

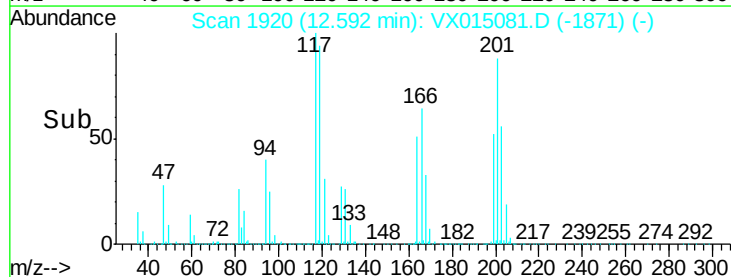
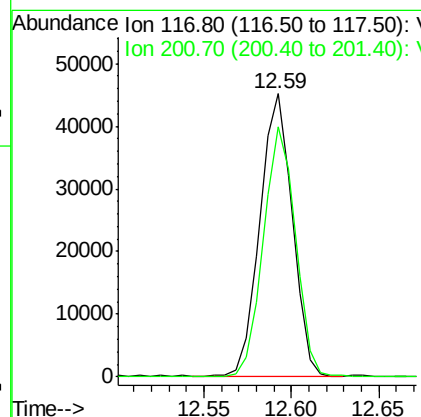
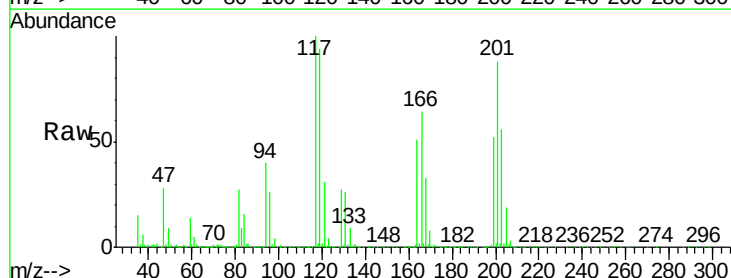
Manual Integrations
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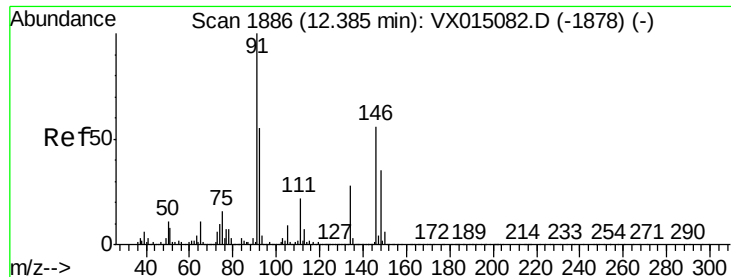
MMDadoda
3/5/2020 12:32:26 PM



#90
Hexachloroethane
Concen: 18.750 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	57878		
201	88.3		43.5	130.7





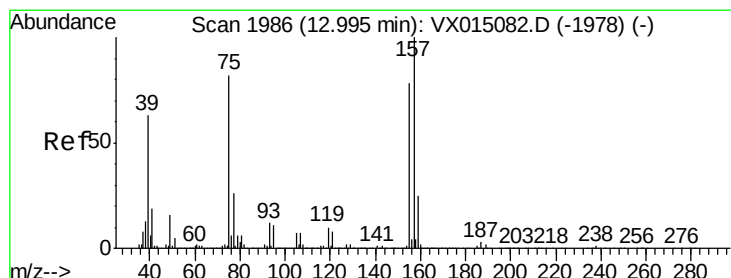
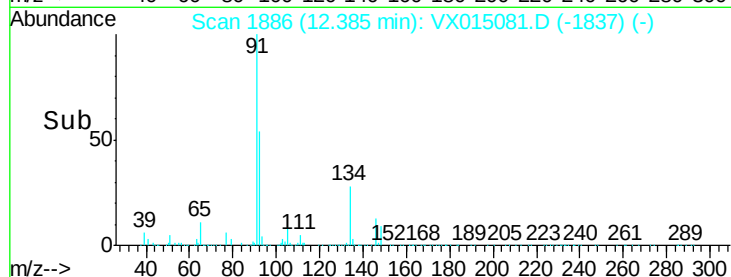
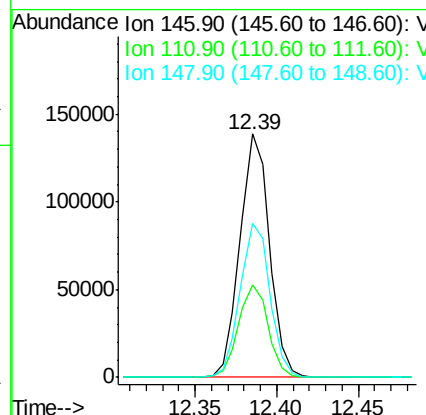
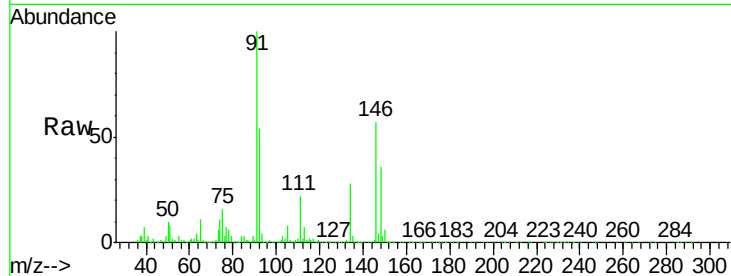
#91
 1,2-Dichlorobenzene
 Concen: 19.709 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX015081.D
 Acq: 04 Mar 2020 09:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.9	59.7
148	64.4	32.3	96.8

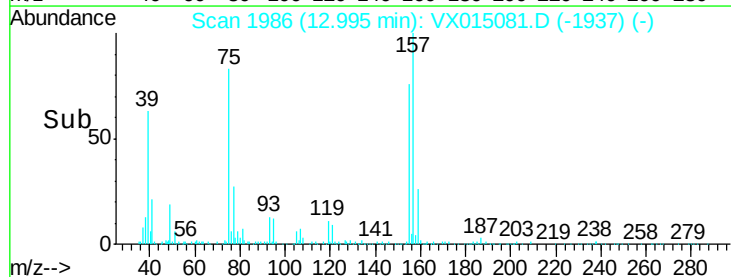
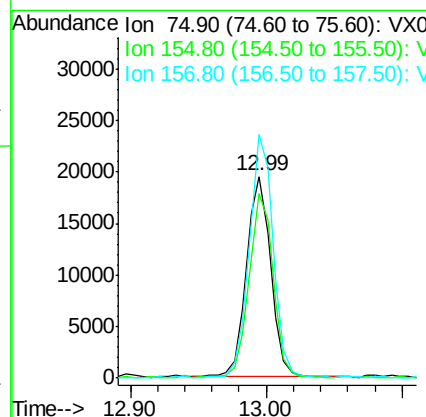
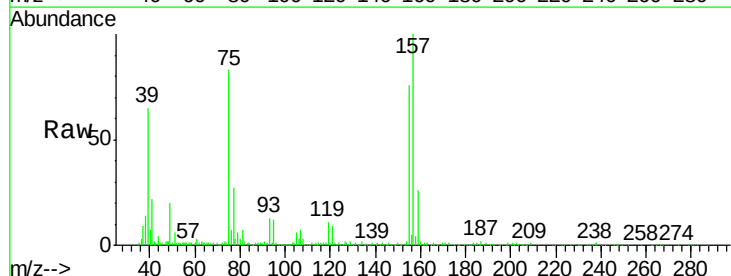
Manual Integrations
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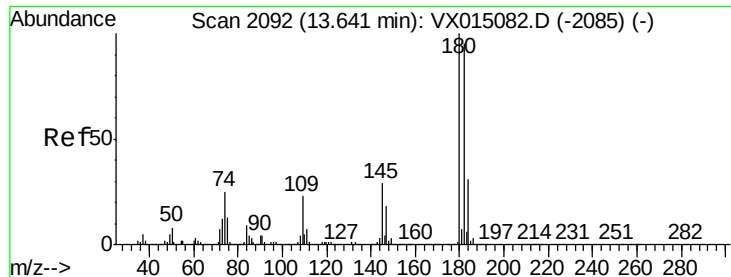
MMDadoda
 3/5/2020 12:32:26 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.047 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX015081.D
 Acq: 04 Mar 2020 09:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.1	46.6	139.7
157	119.7	59.2	177.5





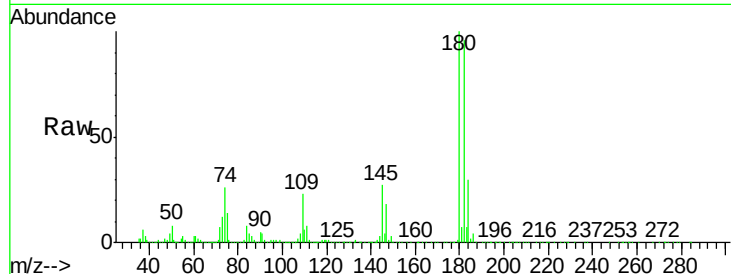
#93
1,2,4-Trichlorobenzene
Concen: 19.240 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

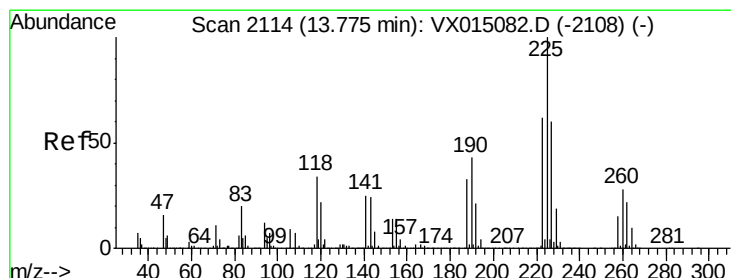
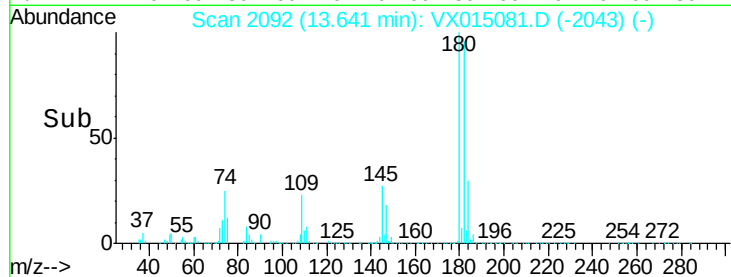
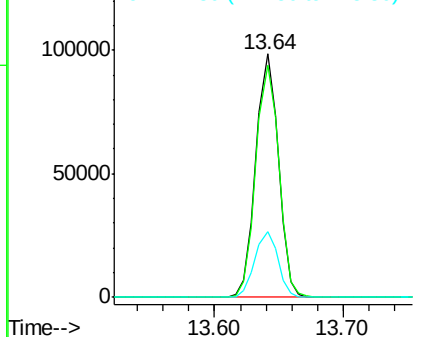
Tot Ion	Ratio	Resp	Lower	Upper
180	100	118645		
182	97.1	47.6	142.8	
145	28.0	14.1	42.2	

Manual Integrations
APPROVED

MMDadoda
3/5/2020 12:32:26 PM

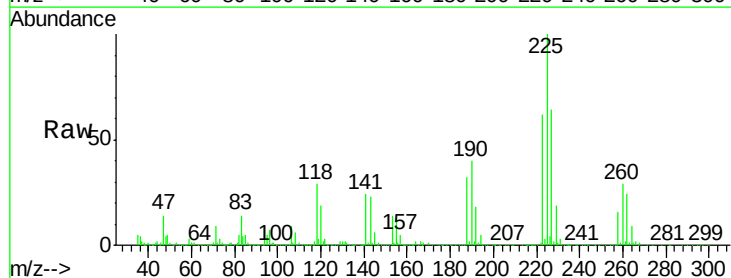


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

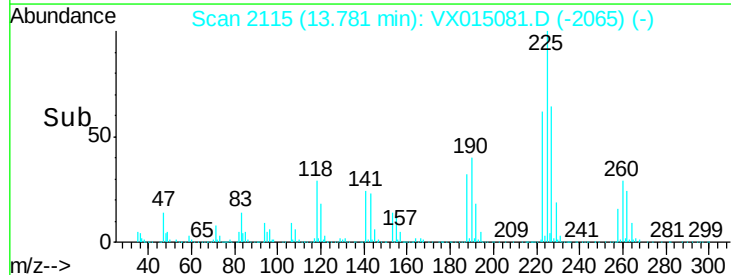
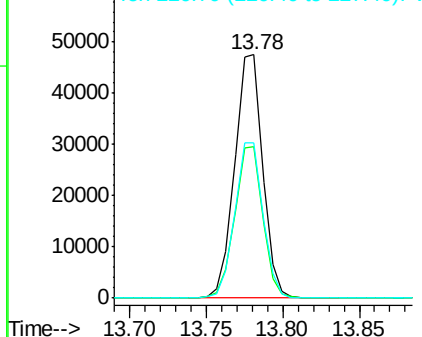


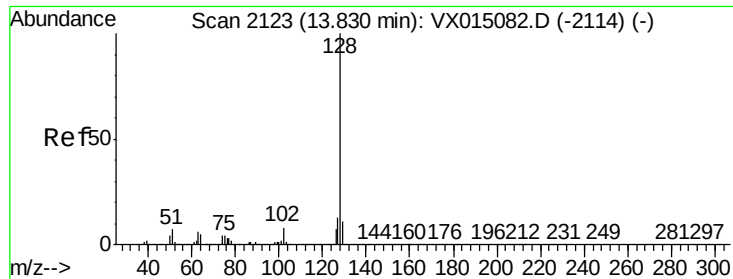
#94
Hexachlorobutadiene
Concen: 19.051 ug/l
RT: 13.78 min Scan# 2115
Delta R.T. 0.01 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60284		
223	62.3	31.3	93.9	
227	64.2	31.1	93.2	



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





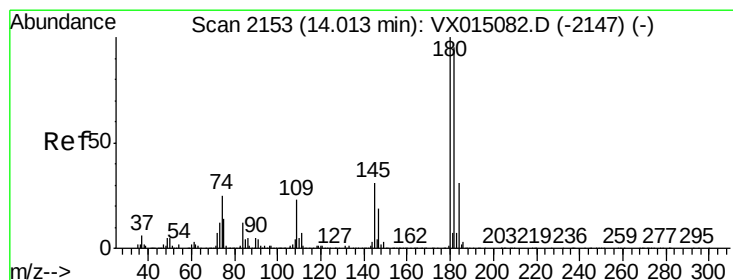
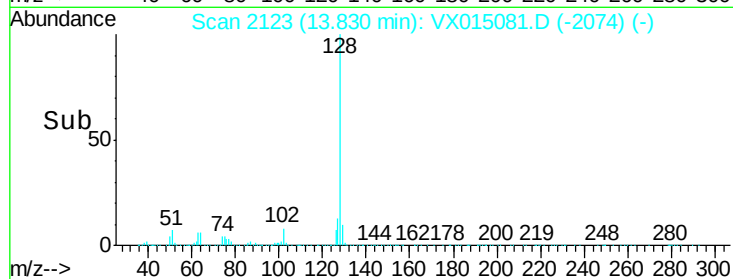
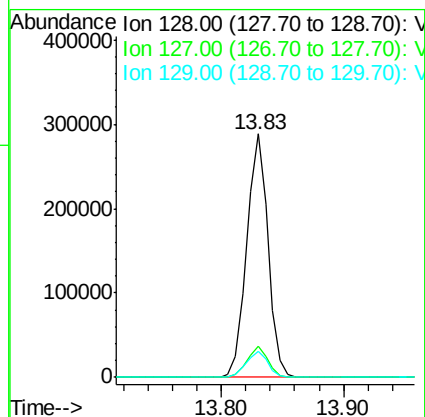
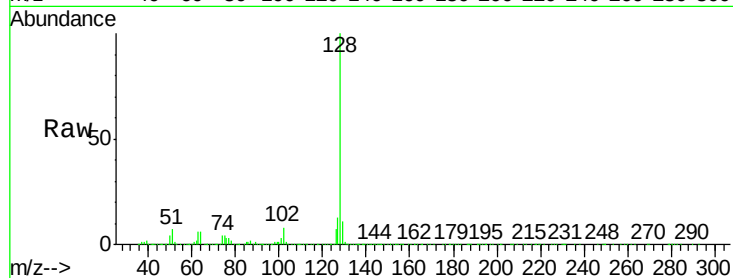
#95
Naphthalene
Concen: 20.596 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	128	Resp:	347160
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.3	15.5
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/5/2020 12:32:26 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.802 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX015081.D
Acq: 04 Mar 2020 09:24

Tgt Ion:	180	Resp:	121838
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.8	143.4
145	30.8	15.1	45.3

