

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022820\
 Data File : VX015049.D
 Acq On : 28 Feb 2020 08:41
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 3/2/2020 11:10:04 AM

Quant Time: Feb 28 23:31:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 00:37:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	76796	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	409862	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	346706	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	153834	28.81	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.03%
60) 4-Bromofluorobenzene	11.13	95	172795	32.00	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	106.67%
63) Toluene-d8	8.71	98	493406	32.63	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	108.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	61885	18.046	ug/l 97
3) Chloromethane	1.32	50	86840	19.584	ug/l 98
4) Vinyl Chloride	1.41	62	86916	18.212	ug/l 100
5) Bromomethane	1.64	94	57499	17.205	ug/l 99
6) Chloroethane	1.72	64	58168	18.196	ug/l 98
7) Trichlorofluoromethane	1.93	101	120612	17.365	ug/l 98
8) Diethyl Ether	2.18	74	53181	18.201	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	76398	19.025	ug/l 98
10) 1,1-Dichloroethene	2.37	96	74493	18.452	ug/l 92
11) Methyl Iodide	2.50	142	70058	14.282	ug/l 99
12) Methyl Acetate	2.76	43	99318	19.770	ug/l 96
13) Acrolein	2.28	56	92105	92.188	ug/l 99
14) Acrylonitrile	3.12	53	224026	98.745	ug/l 100
15) Acetone	2.43	58	94524	116.420	ug/l 99
16) Carbon Disulfide	2.56	76	199502	18.380	ug/l 99
17) Allyl chloride	2.72	41	137003	19.509	ug/l 96
18) Methylene Chloride	2.85	84	88390	19.003	ug/l 96
19) trans-1,2-Dichloroethene	3.16	96	82877	18.690	ug/l 97
20) Diisopropyl ether	3.84	45	282547	19.701	ug/l 97
21) 1,1-Dichloroethane	3.69	63	150835	19.186	ug/l 97
22) cis-1,2-Dichloroethene	4.58	96	94285	18.581	ug/l 99
23) tert-Butyl Alcohol	3.02	59	86414	96.087	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	247487	18.426	ug/l 97
25) Chloroform	5.20	83	145088	18.300	ug/l 98
26) Cyclohexane	5.57	56	131941	18.777	ug/l # 99
29) 1,1-Dichloropropene	5.79	75	112056	19.329	ug/l 98
30) 2-Butanone	4.65	43	364253	108.856	ug/l 99
31) 2,2-Dichloropropane	4.57	77	118748	18.654	ug/l 97
32) 1,1,1-Trichloroethane	5.48	97	122813	18.655	ug/l 98
33) Carbon Tetrachloride	5.77	117	105580	18.320	ug/l 95
34) Benzene	6.13	78	342894	19.602	ug/l 97
35) Methacrylonitrile	5.02	41	67684	19.829	ug/l 97
36) 1,2-Dichloroethane	6.18	62	116111	18.752	ug/l 97
37) Trichloroethene	7.20	130	96269	19.601	ug/l 95
38) Methylcyclohexane	7.45	83	134369	18.699	ug/l 98
39) 1,2-Dichloropropane	7.50	63	87012	19.324	ug/l 98
40) Dibromomethane	7.65	93	59195	19.688	ug/l 100

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 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 3/2/2020 11:10:04 AM

Quant Time: Feb 28 23:31:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 00:37:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	113178	19.056	ug/l	99
42) Vinyl Acetate	3.80	43	1156271	98.173	ug/l	100
43) Ethyl Acetate	4.81	43	122053	20.159	ug/l	96
44) Isopropyl Acetate	6.43	43	191687	18.833	ug/l	100
45) 1,4-Dioxane	7.73	88	38759	412.121	ug/l #	92
46) Methyl methacrylate	7.76	41	94498	18.767	ug/l	97
47) n-amyl Acetate	10.89	43	158422	17.967	ug/l	98
48) t-1,3-Dichloropropene	9.03	75	119279	18.101	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	136860	18.865	ug/l	95
50) 1,1,2-Trichloroethane	9.21	97	83241	18.583	ug/l	97
51) Ethyl methacrylate	9.17	69	121200	17.530	ug/l	97
52) 1,3-Dichloropropane	9.36	76	143547	18.943	ug/l	97
53) Dibromochloromethane	9.57	129	85426	17.639	ug/l	98
54) 1,2-Dibromoethane	9.67	107	88271	18.560	ug/l	96
55) 2-Chloroethyl vinyl ether	8.30	63	356694	96.853	ug/l	98
56) Bromoform	10.85	173	66119	17.416	ug/l	99
58) 4-Methyl-2-Pentanone	8.63	43	606574	106.752	ug/l	99
59) 2-Hexanone	9.48	43	497844	112.137	ug/l	99
61) Tetrachloroethene	9.33	164	94999	20.400	ug/l	98
62) Toluene	8.78	91	367778	20.710	ug/l	99
64) Chlorobenzene	10.13	112	214972	18.965	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	78840	18.778	ug/l	100
66) Ethyl Benzene	10.25	91	373029	19.069	ug/l	97
67) m/p-Xylenes	10.35	106	291712	38.671	ug/l	98
68) o-Xylene	10.69	106	143678	19.685	ug/l	100
69) Styrene	10.71	104	246225	19.752	ug/l	99
70) Isopropylbenzene	11.01	105	399916	20.627	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.26	83	130194	20.857	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	111771m	21.586	ug/l	
73) Bromobenzene	11.25	156	105004	20.044	ug/l	96
74) n-propylbenzene	11.35	91	460934	20.889	ug/l	99
75) 2-Chlorotoluene	11.42	91	276917	21.236	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	330712	20.354	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	40396	19.347	ug/l	97
78) 4-Chlorotoluene	11.51	91	316565	20.987	ug/l	100
79) tert-butylbenzene	11.76	119	317279	20.212	ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	333654	20.655	ug/l	99
81) sec-Butylbenzene	11.94	105	391609	20.831	ug/l	100
82) p-Isopropyltoluene	12.06	119	360879	20.663	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	187155	20.380	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	189063	20.444	ug/l	98
85) n-Butylbenzene	12.39	91	309510	20.365	ug/l	99
86) Hexachloroethane	12.59	117	62264	19.723	ug/l	97
87) 1,2-Dichlorobenzene	12.39	146	187198	20.485	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	26780	19.698	ug/l	98
89) 1,2,4-Trichlorobenzene	13.64	180	130692	19.887	ug/l	99
90) Hexachlorobutadiene	13.78	225	66786	20.464	ug/l	96
91) Naphthalene	13.83	128	362440	19.481	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	131603	20.171	ug/l	98

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ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:10:04 AM

Quant Time: Feb 28 23:31:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 00:37:56 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

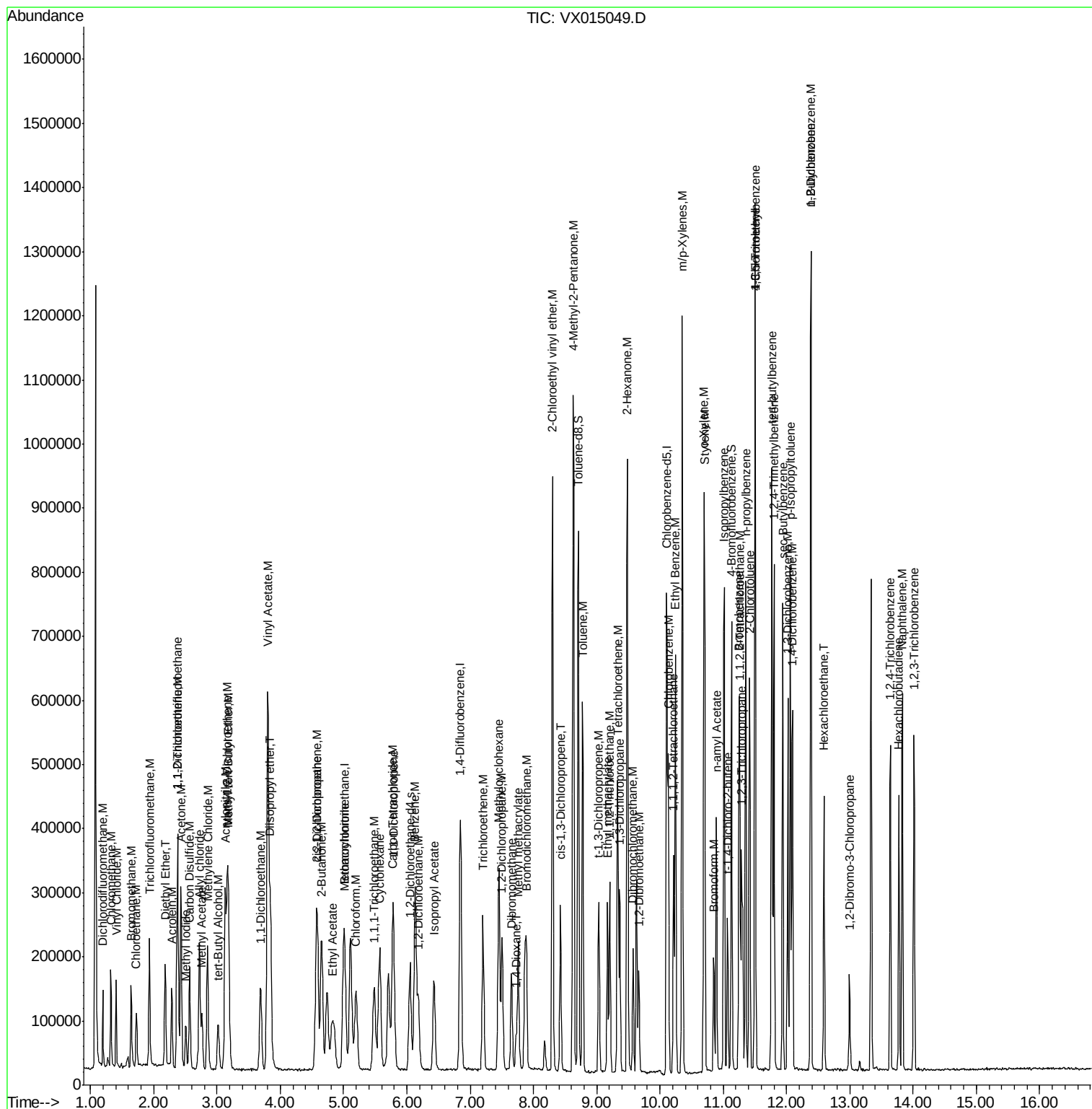
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX022820\
 Data File : VX015049.D
 Acq On : 28 Feb 2020 08:41
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

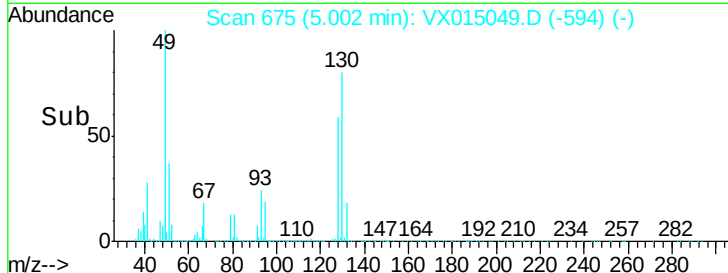
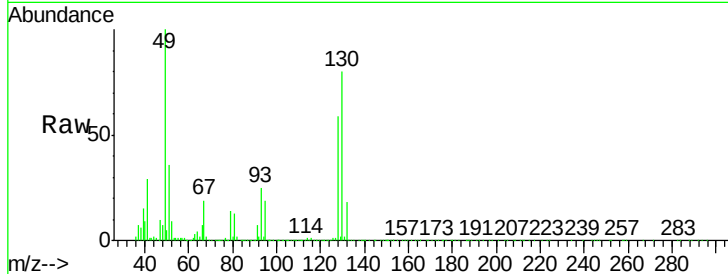
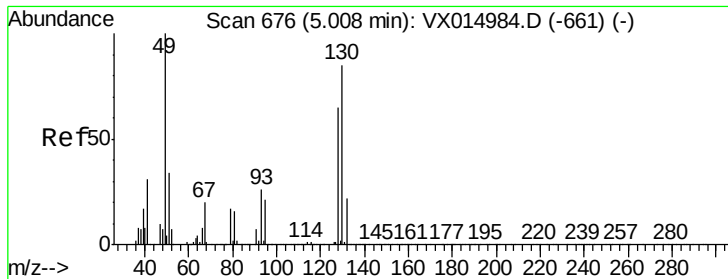
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

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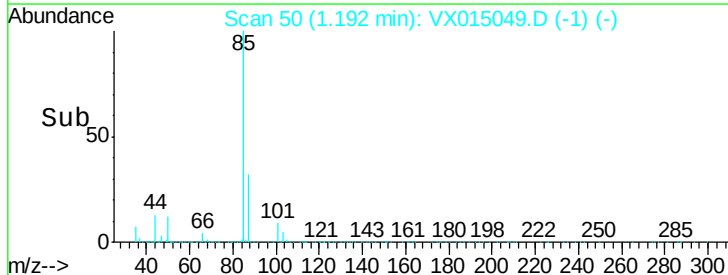
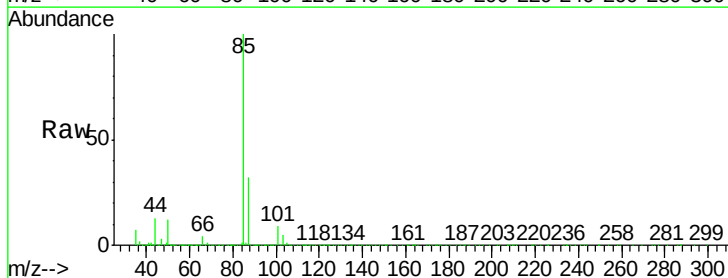
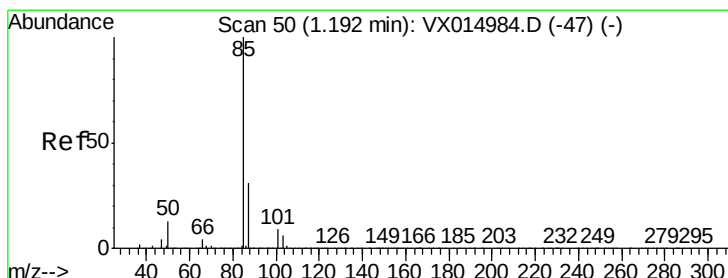
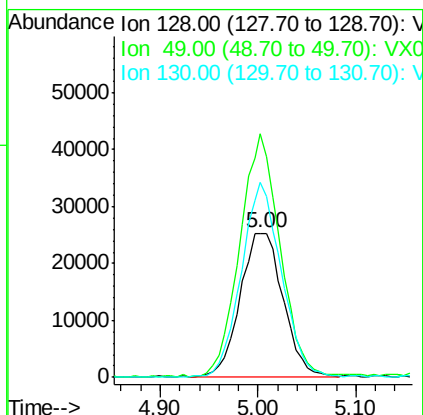
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Tot Ion	Ratio	Lower	Upper
128	100		
49	157.5	0.0	384.7
130	126.9	0.0	330.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

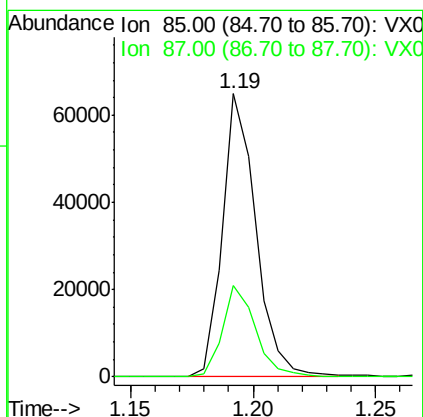
Manual Integrations
APPROVED

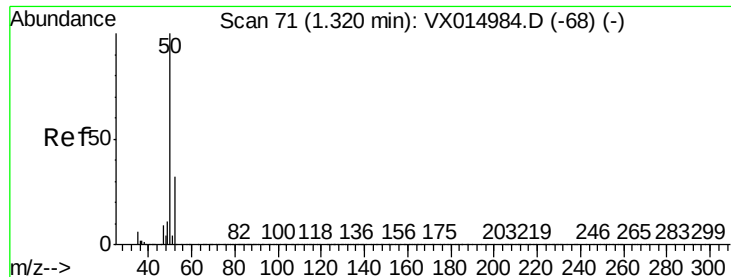
MMDadoda
3/2/2020 11:10:04 AM



#2
Dichlorodifluoromethane
Concen: 18.046 ug/l
RT: 1.19 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.3	45.9





#3

Chloromethane

Concen: 19.584 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 50 Resp: 86840

Ion Ratio Lower Upper

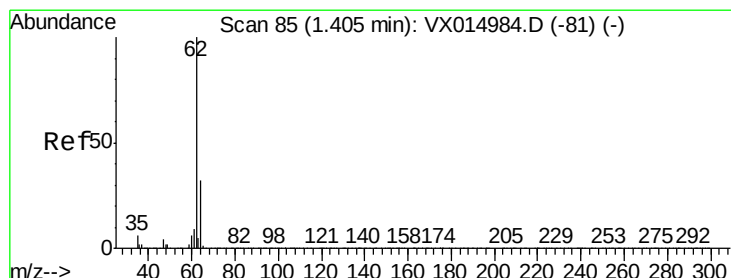
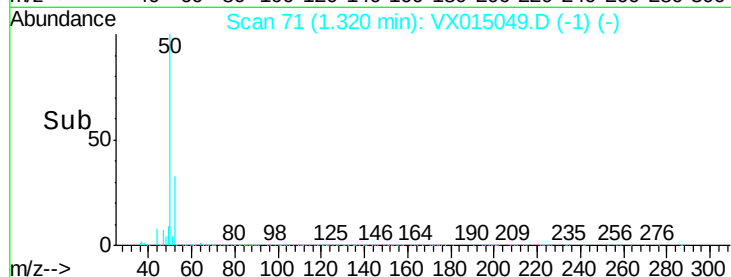
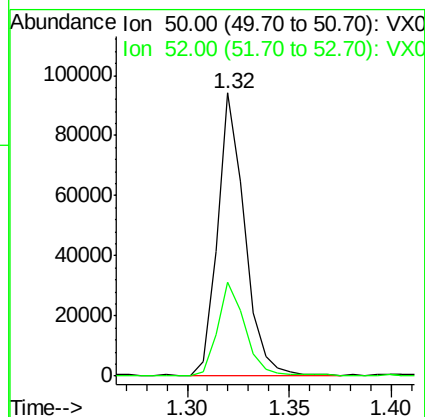
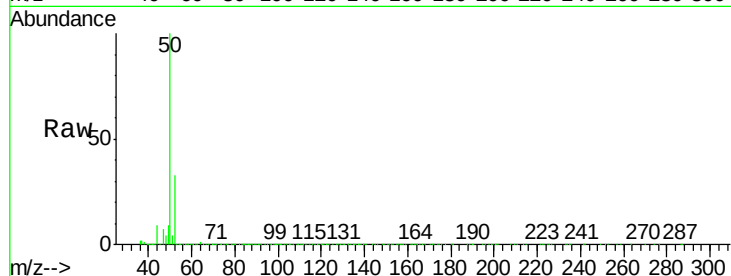
50 100

52 33.1 25.4 38.0

Manual Integrations
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3/2/2020 11:10:04 AM



#4

Vinyl Chloride

Concen: 18.212 ug/l

RT: 1.41 min Scan# 85

Delta R.T. 0.00 min

Lab File: VX015049.D

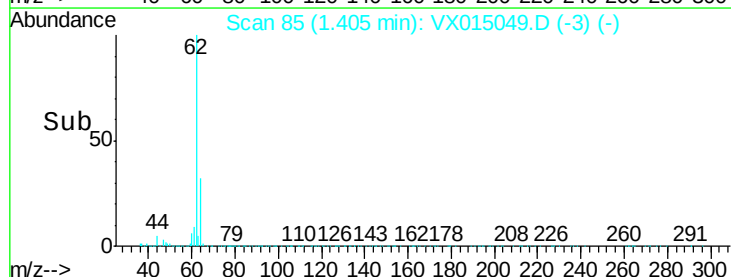
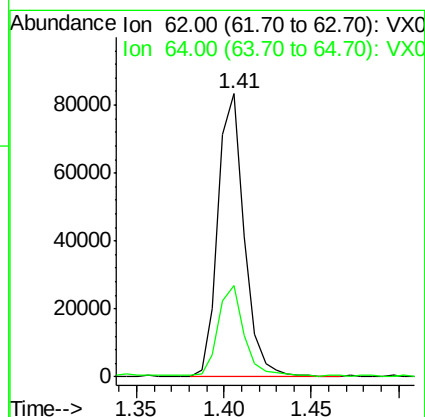
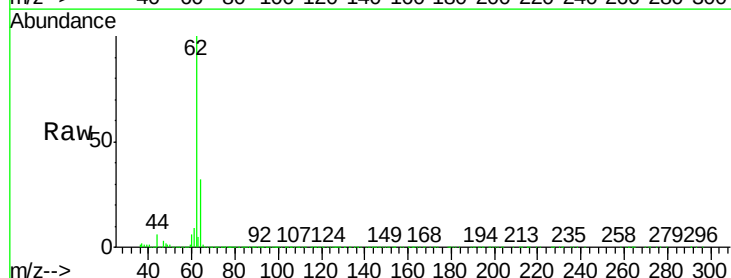
Acq: 28 Feb 2020 08:41

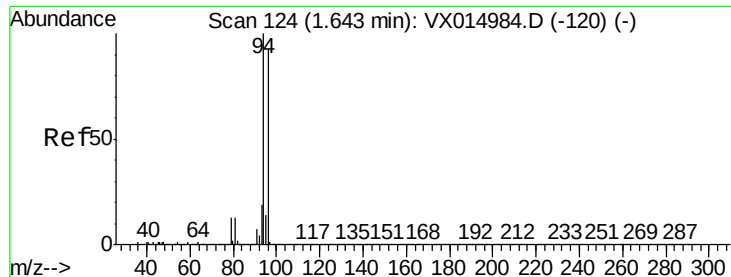
Tgt Ion: 62 Resp: 86916

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 17.205 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.00 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 94 Resp: 57499

Ion Ratio Lower Upper

94 100

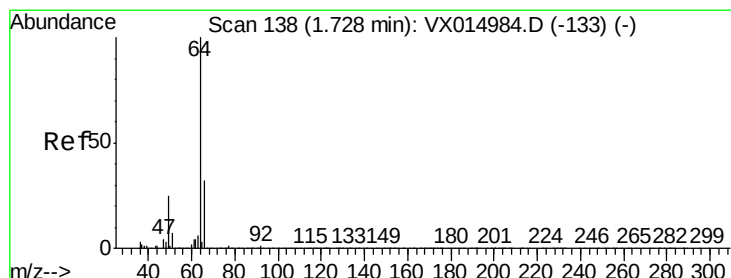
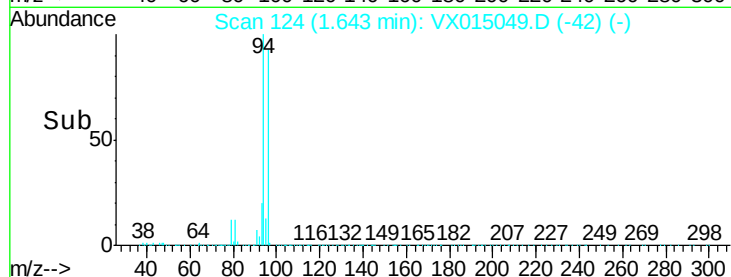
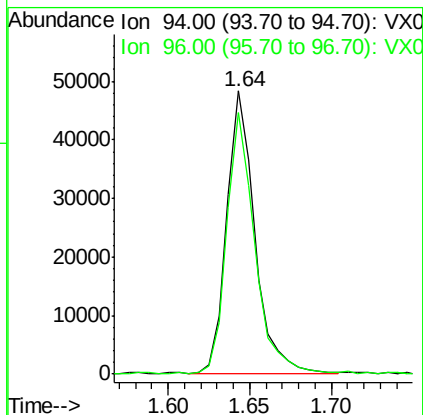
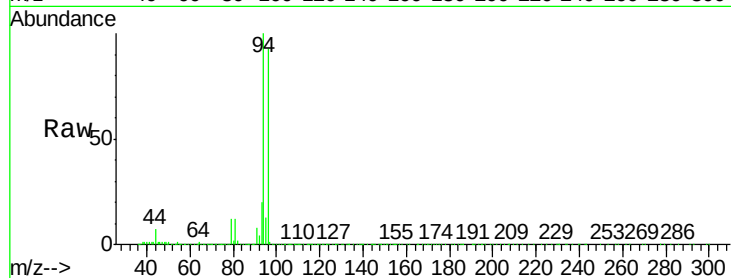
96 92.6 74.6 112.0

Manual Integrations

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3/2/2020 11:10:04 AM



#6

Chloroethane

Concen: 18.196 ug/l

RT: 1.72 min Scan# 137

Delta R.T. -0.01 min

Lab File: VX015049.D

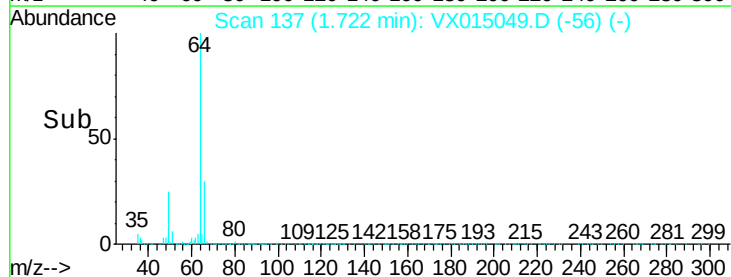
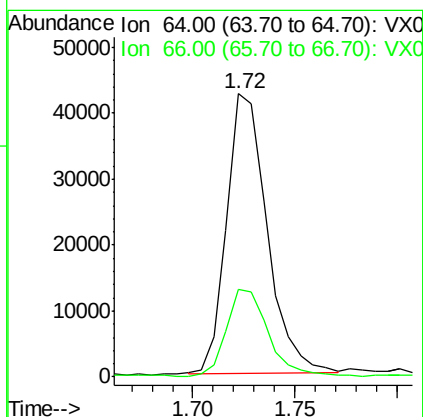
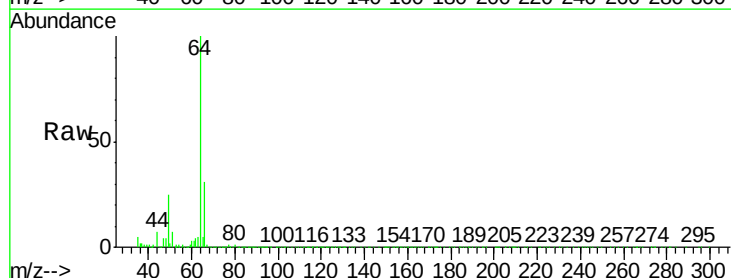
Acq: 28 Feb 2020 08:41

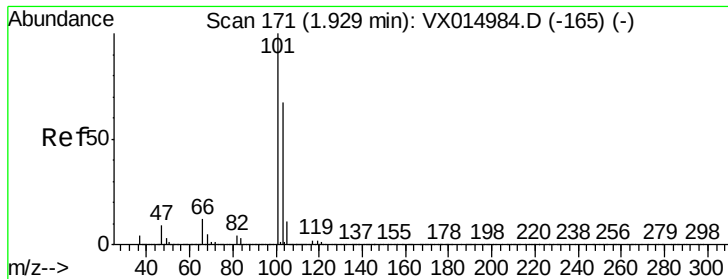
Tgt Ion: 64 Resp: 58168

Ion Ratio Lower Upper

64 100

66 31.0 25.8 38.6





#7

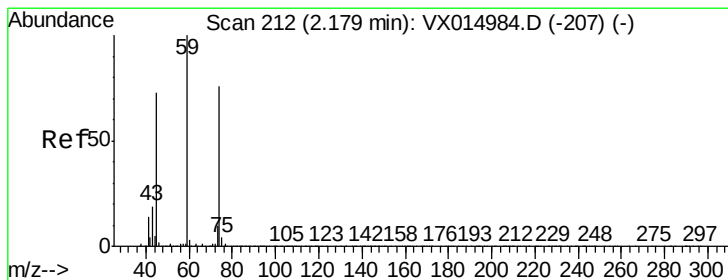
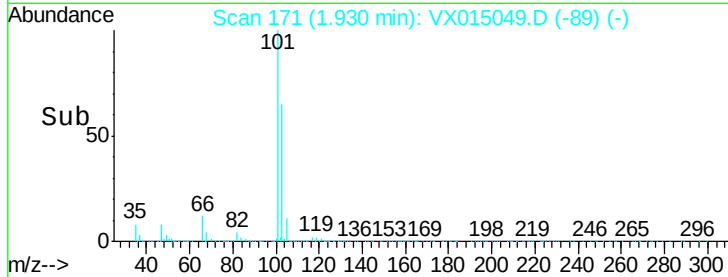
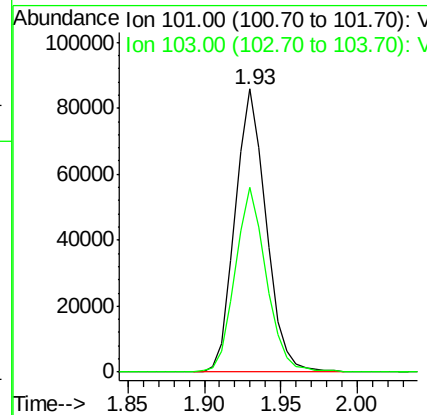
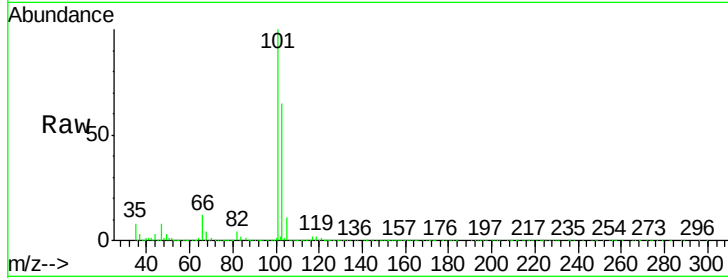
Trichlorofluoromethane
Concen: 17.365 ug/l
RT: 1.93 min Scan# 171
Delta R.T. 0.00 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	53.4	80.2

Manual Integrations
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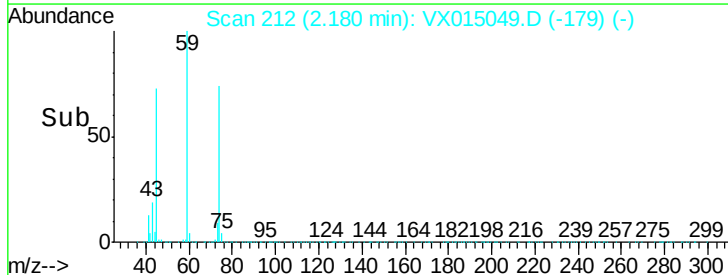
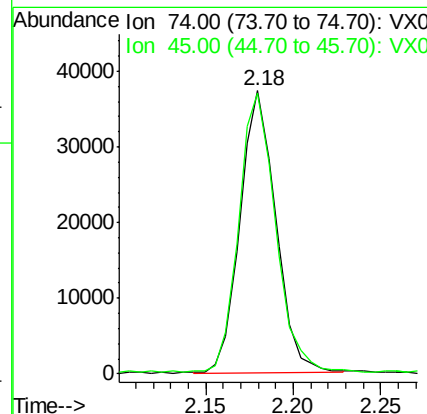
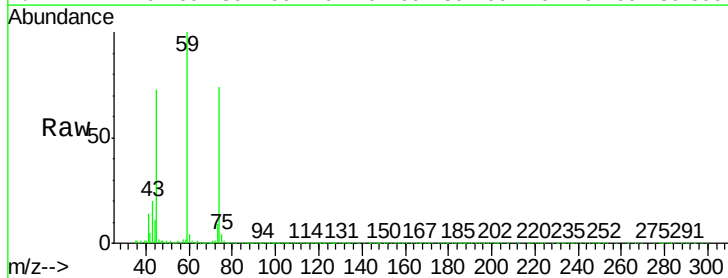
MMDadoda
3/2/2020 11:10:04 AM

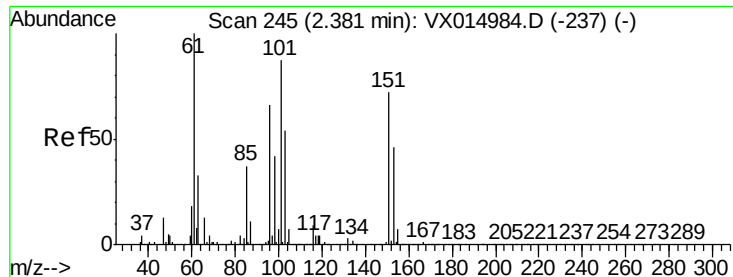


#8

Diethyl Ether
Concen: 18.201 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.7	19.6	176.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.025 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.00 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

Instrument :

MSVOA_X

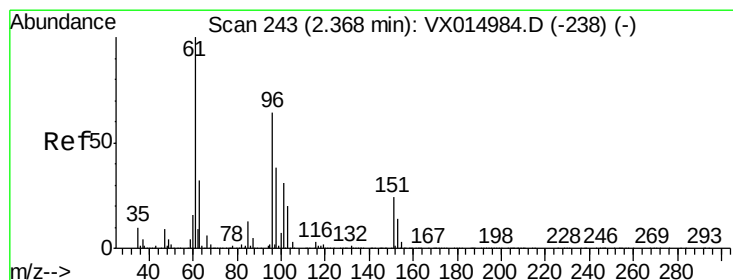
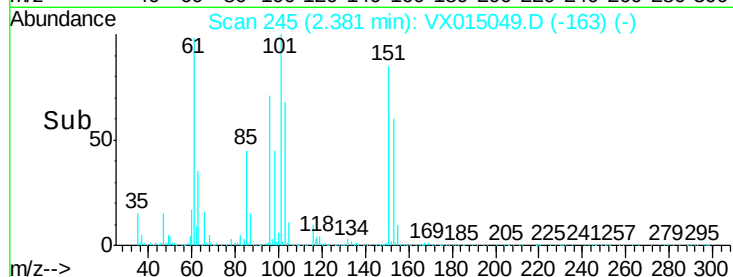
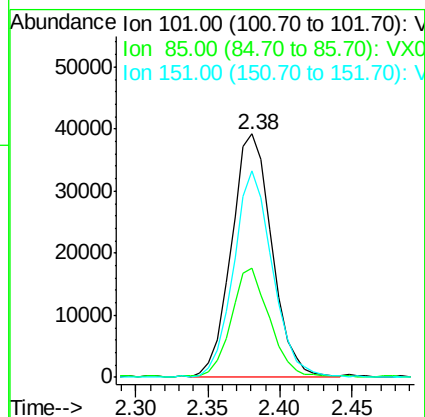
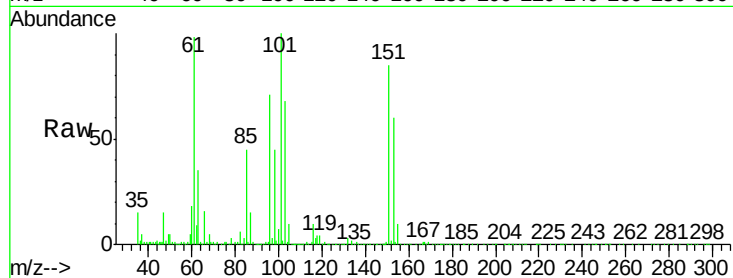
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	76398
Ion Ratio	Lower	Upper	
101	100		
85	42.1	0.0	86.6
151	81.9	0.0	167.4

Manual Integrations
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MMDadoda
3/2/2020 11:10:04 AM



#10

1,1-Dichloroethene

Concen: 18.452 ug/l

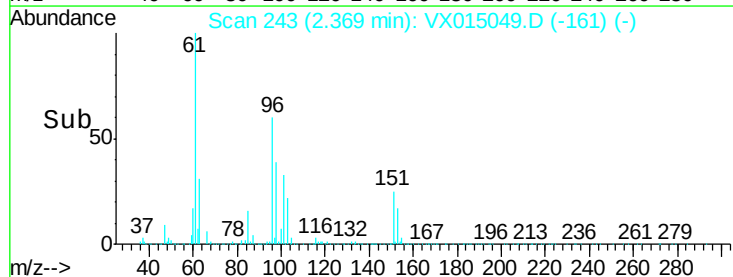
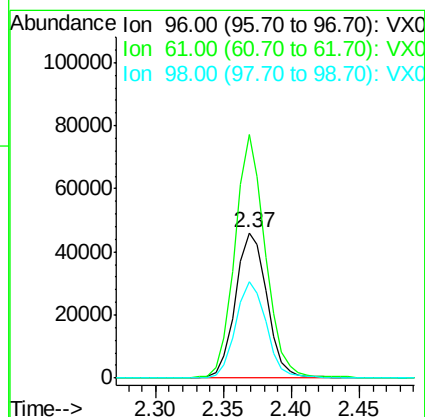
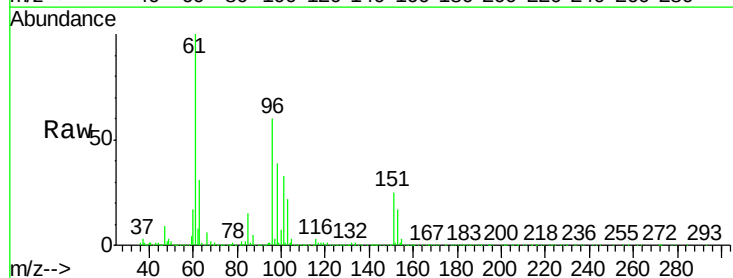
RT: 2.37 min Scan# 243

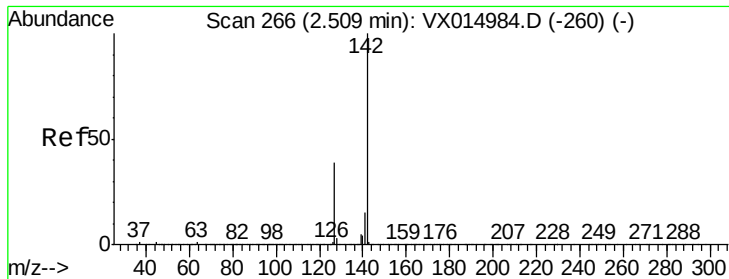
Delta R.T. 0.00 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

Tgt Ion:	96	Resp:	74493
Ion Ratio	Lower	Upper	
96	100		
61	167.5	126.1	189.1
98	65.8	48.2	72.2





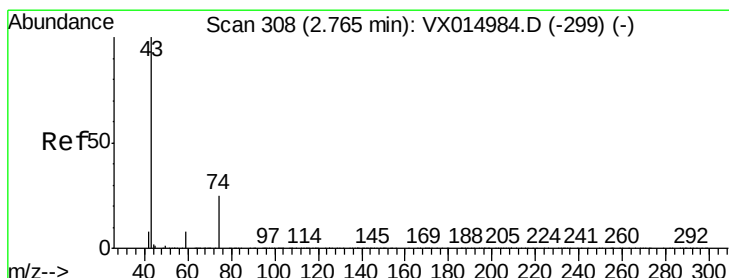
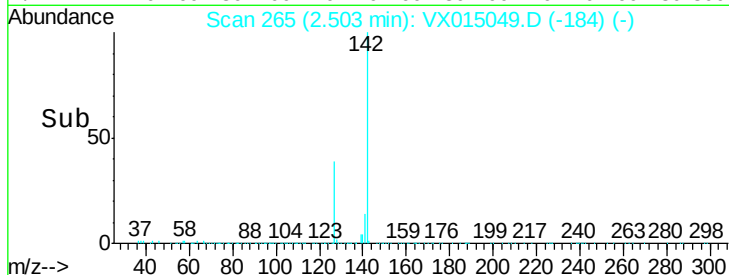
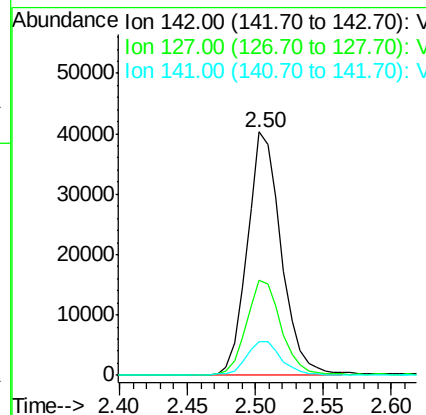
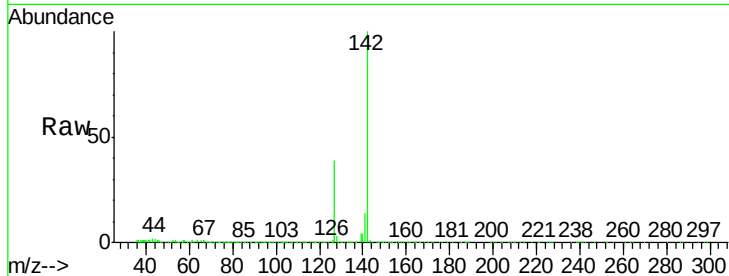
#11
Methvl Iodide
Concen: 14.282 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.1	19.7	59.0
141	14.1	7.4	22.2

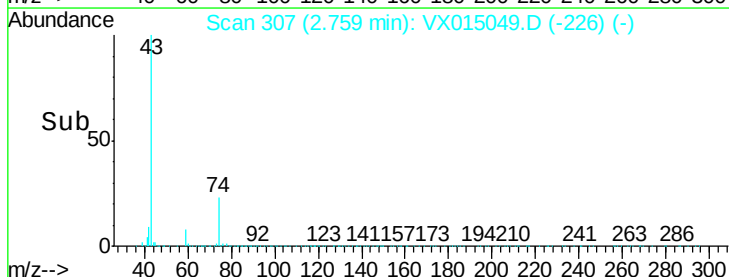
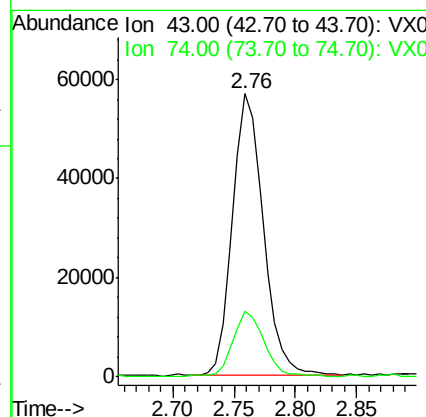
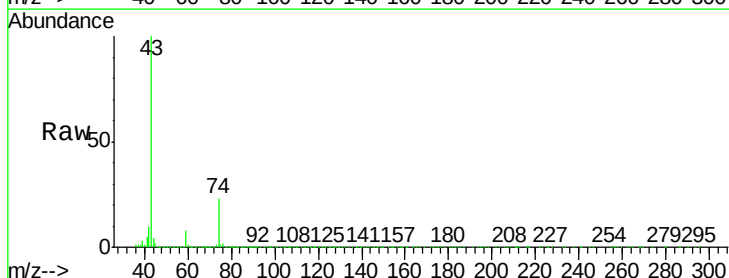
Manual Integrations
APPROVED

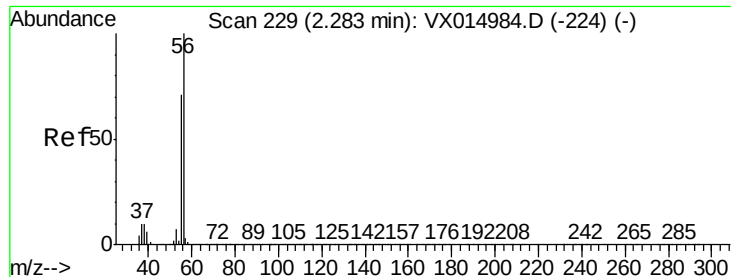
MMDadoda
3/2/2020 11:10:04 AM



#12
Methyl Acetate
Concen: 19.770 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	19.8	29.8





#13

Acrolein

Concen: 92.188 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 92105

Ion Ratio Lower Upper

56 100

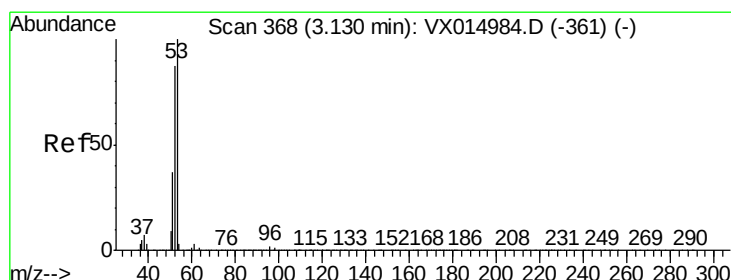
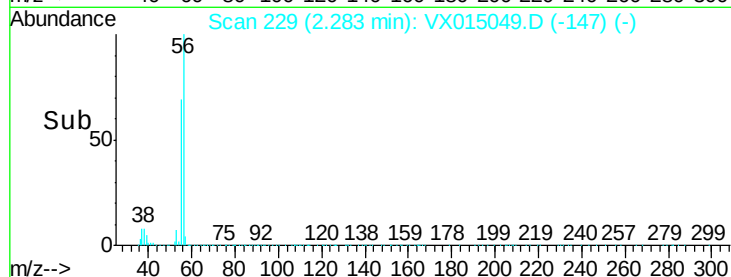
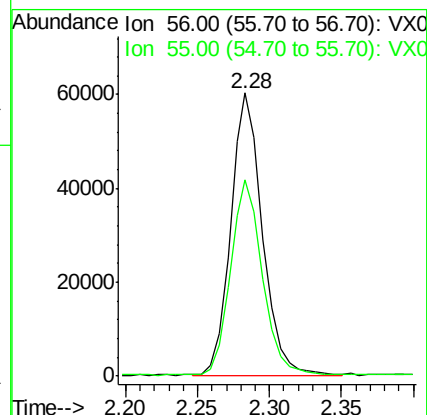
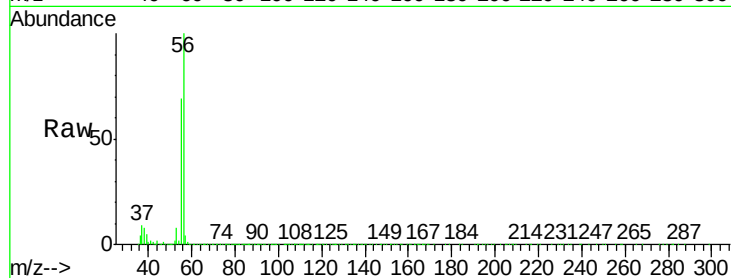
55 69.8 56.2 84.2

Manual Integrations

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MMDadoda

3/2/2020 11:10:04 AM



#14

Acrylonitrile

Concen: 98.745 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

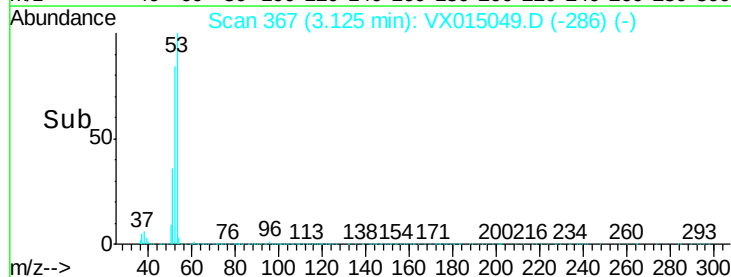
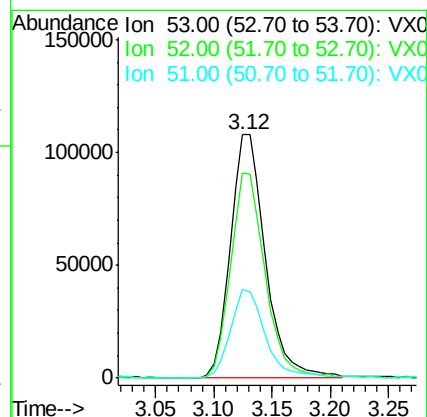
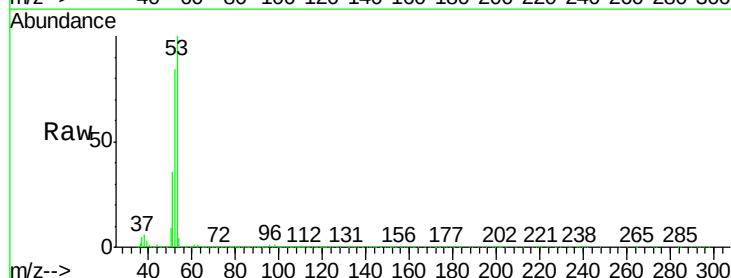
Tgt Ion: 53 Resp: 224026

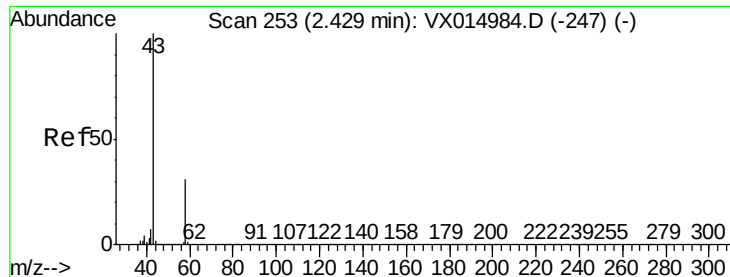
Ion Ratio Lower Upper

53 100

52 83.6 41.5 124.6

51 36.1 18.1 54.4





#15

Acetone

Concen: 116.420 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 94524

Ion Ratio Lower Upper

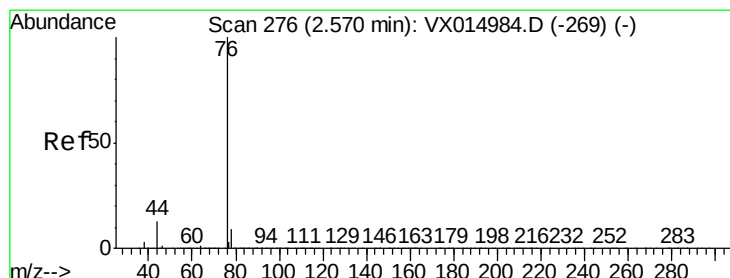
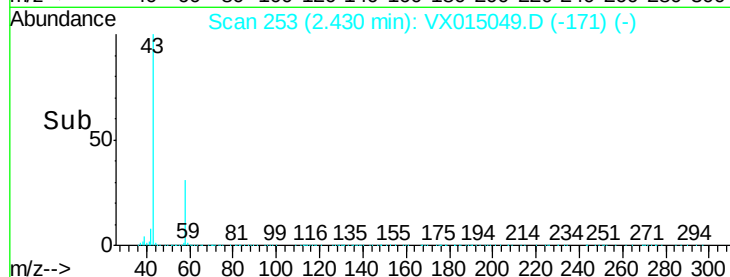
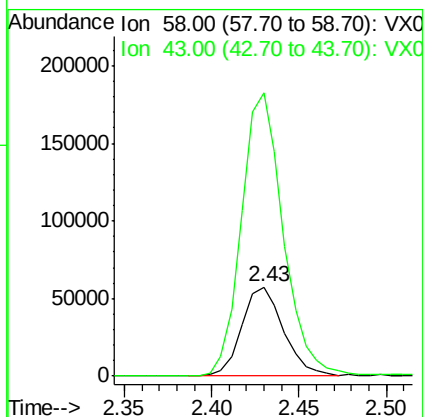
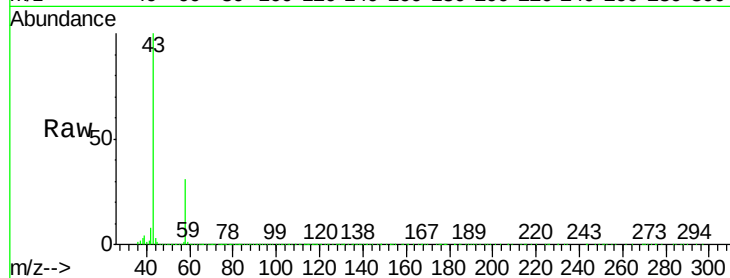
58 100

43 319.2 257.7 386.5

Manual Integrations
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MMDadoda

3/2/2020 11:10:04 AM



#16

Carbon Disulfide

Concen: 18.380 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.01 min

Lab File: VX015049.D

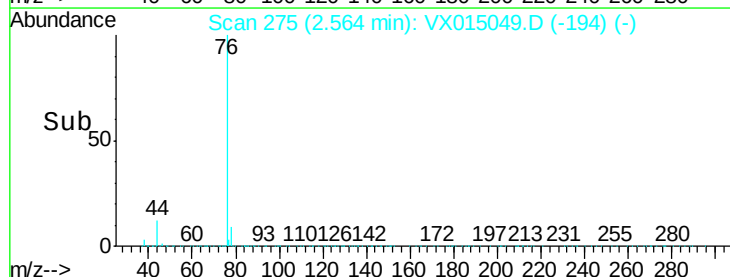
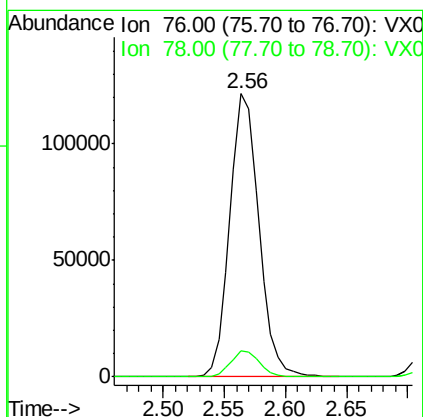
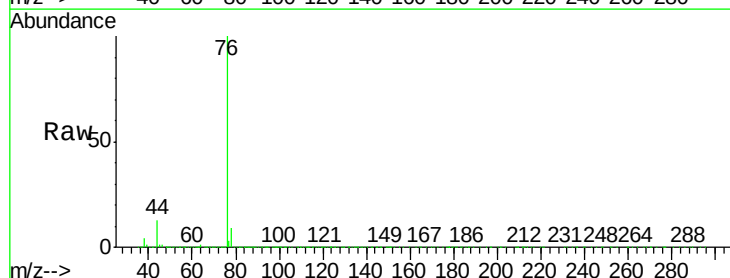
Acq: 28 Feb 2020 08:41

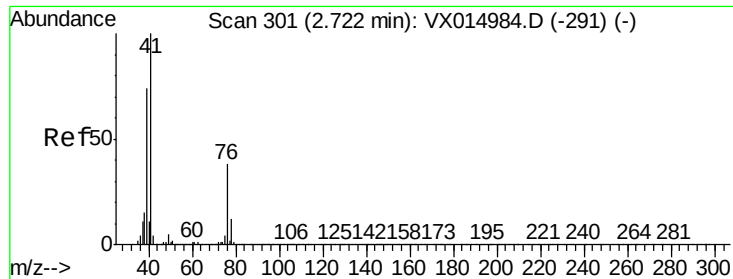
Tgt Ion: 76 Resp: 199502

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7





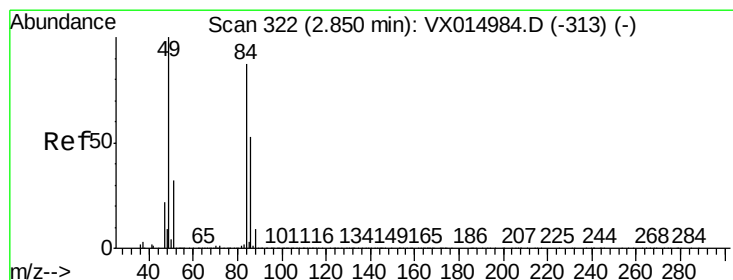
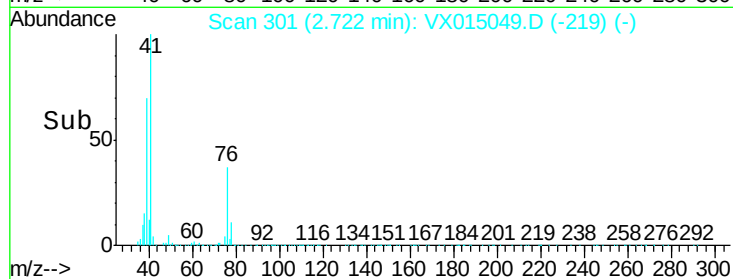
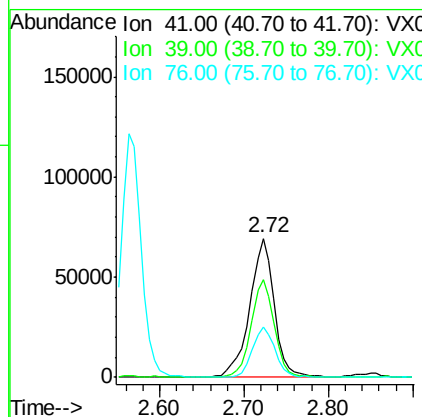
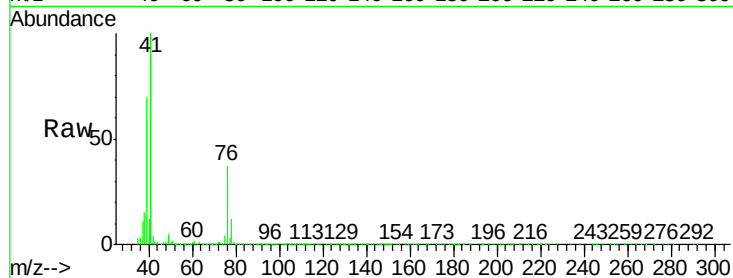
#17
Allvl chloride
Concen: 19.509 ug/l
RT: 2.72 min Scan# 301
Delta R.T. 0.00 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.9	37.1	111.5
76	36.3	18.8	56.4

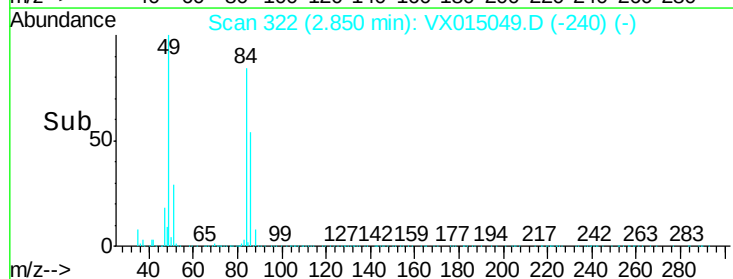
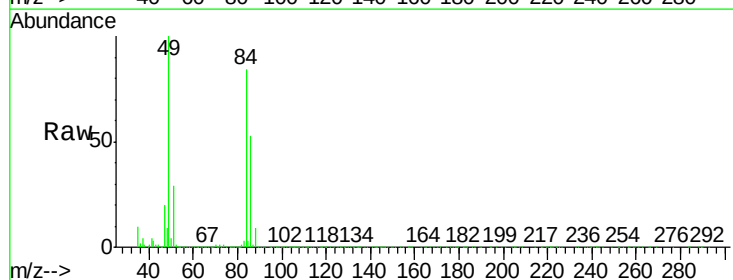
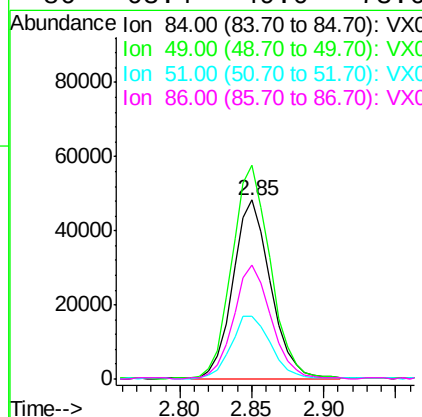
Manual Integrations
APPROVED

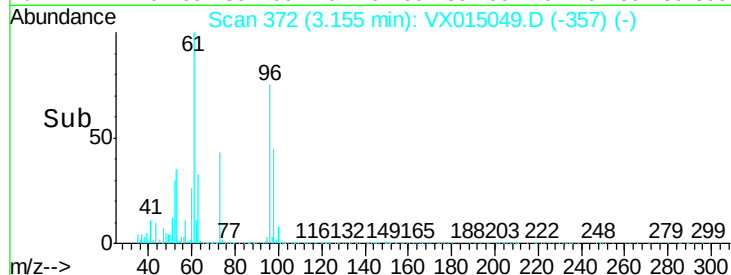
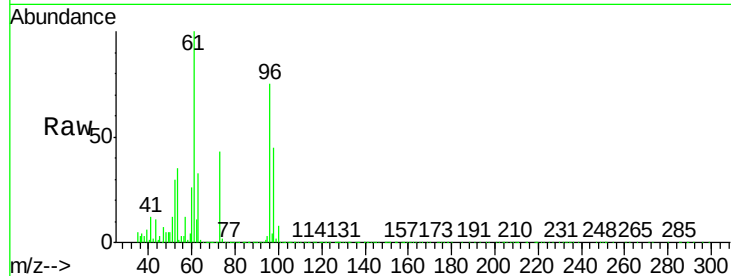
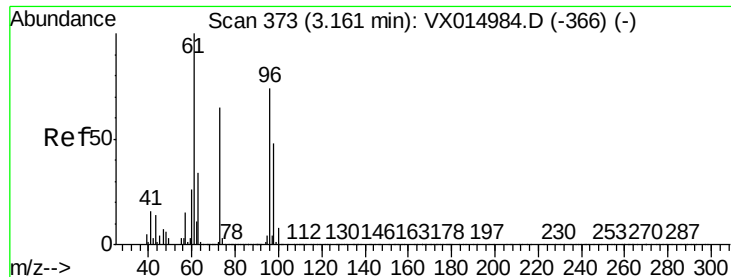
MMDadoda
3/2/2020 11:10:04 AM



#18
Methylene Chloride
Concen: 19.003 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.1	92.2	138.2
51	34.5	29.7	44.5
86	63.4	49.0	73.6





#19

trans-1,2-Dichloroethene

Concen: 18.690 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX015049.D

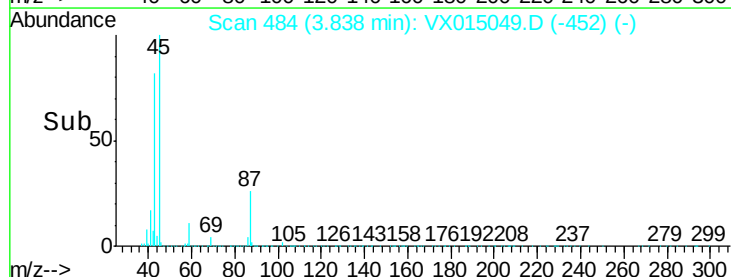
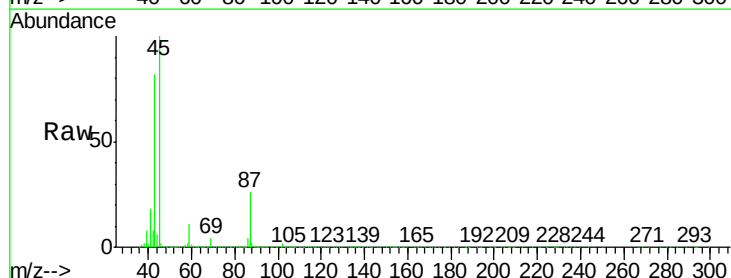
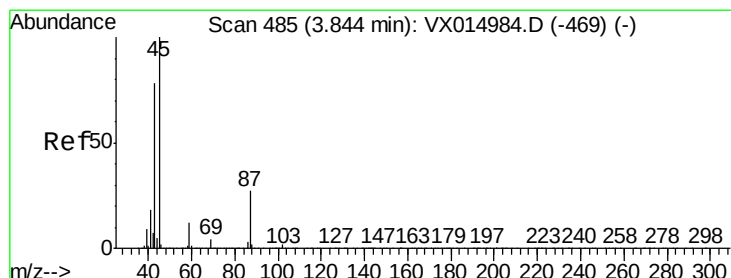
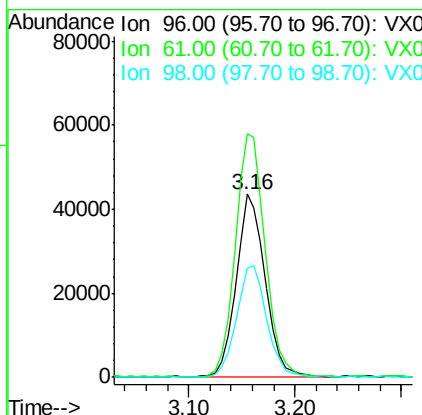
Acq: 28 Feb 2020 08:41

Tot Ion:	96	Resp:	82877
Ion Ratio	Lower	Upper	
96	100		
61	132.7	107.1	160.7
98	59.6	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Manual Integrations
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MMDadoda
3/2/2020 11:10:04 AM



#20

Diisopropyl ether

Concen: 19.701 ug/l

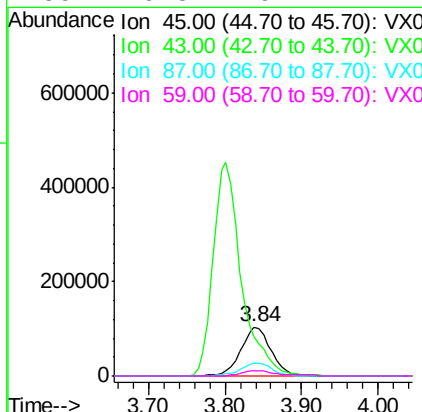
RT: 3.84 min Scan# 484

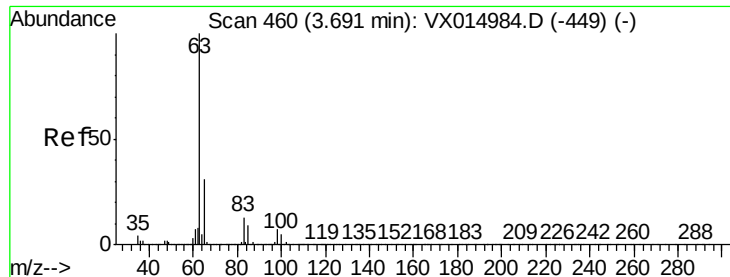
Delta R.T. -0.01 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

Tgt Ion:	45	Resp:	282547
Ion Ratio	Lower	Upper	
45	100		
43	81.0	62.3	93.5
87	26.4	21.8	32.6
59	10.8	9.4	14.2





#21

1,1-Dichloroethane

Concen: 19.186 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

Instrument :

MSVOA_X

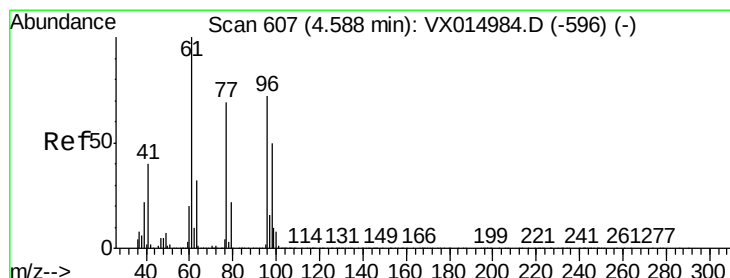
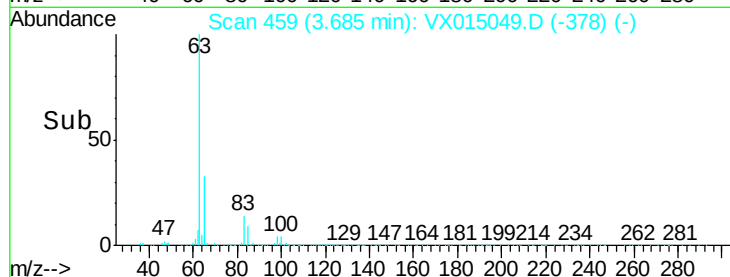
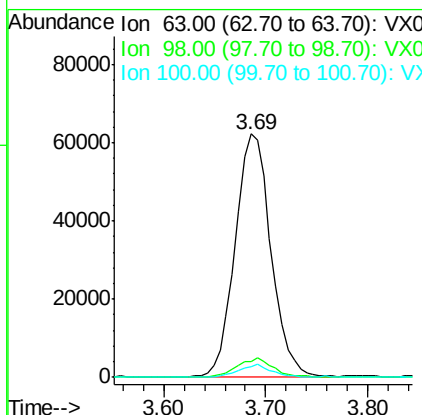
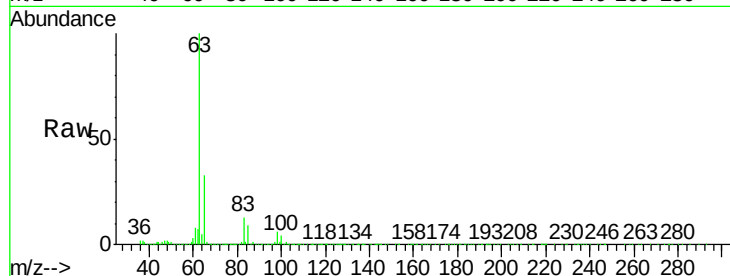
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	150835
Ion Ratio		Lower	Upper
63	100		
98	6.3	3.5	10.5
100	4.0	2.5	7.5

Manual Integrations
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MMDadoda
3/2/2020 11:10:04 AM



#22

cis-1,2-Dichloroethene

Concen: 18.581 ug/l

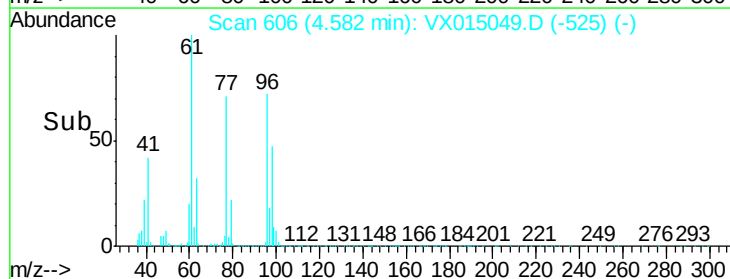
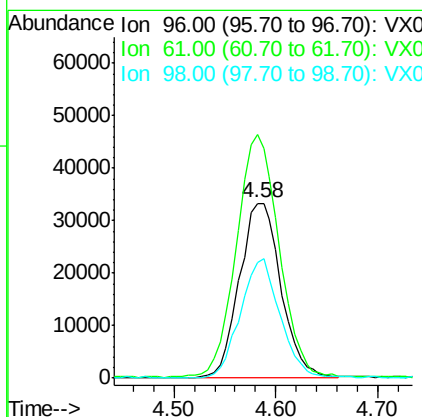
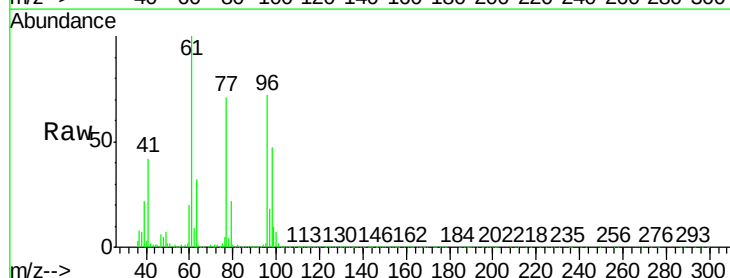
RT: 4.58 min Scan# 606

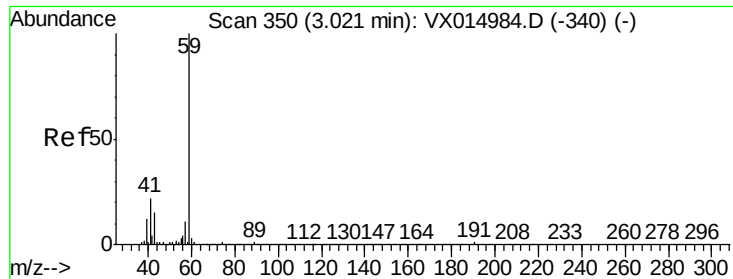
Delta R.T. -0.01 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

Tgt Ion:	96	Resp:	94285
Ion Ratio		Lower	Upper
96	100		
61	138.4	110.6	165.8
98	64.9	50.4	75.6





#23

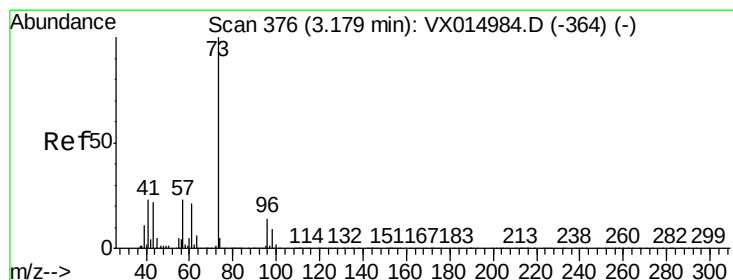
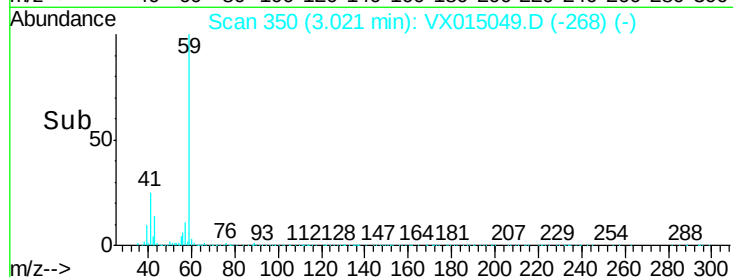
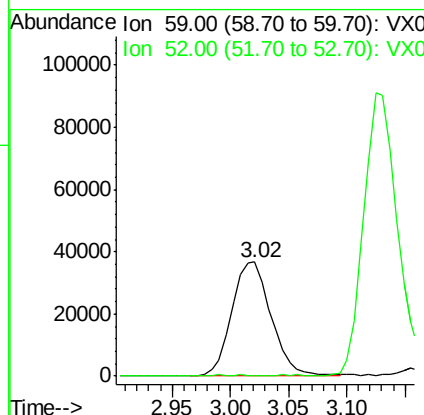
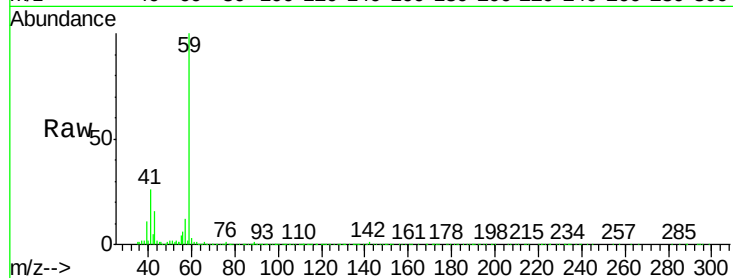
tert-Butyl Alcohol
Concen: 96.087 ug/l
RT: 3.02 min Scan# 350
Delta R.T. 0.00 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.3	0.4	0.6#

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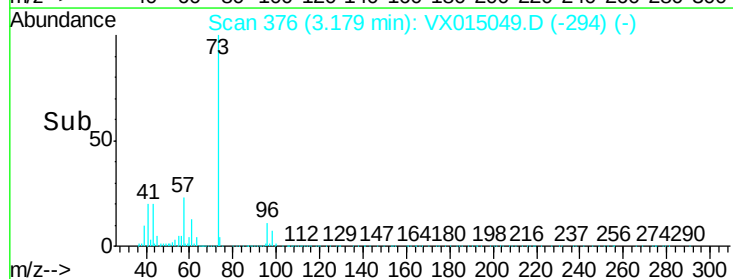
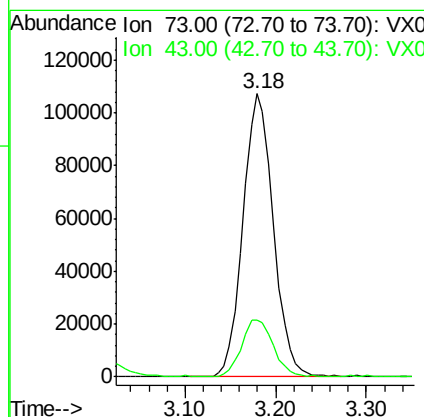
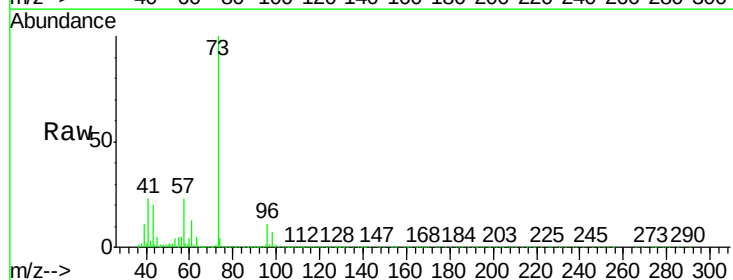
MMDadoda
3/2/2020 11:10:04 AM

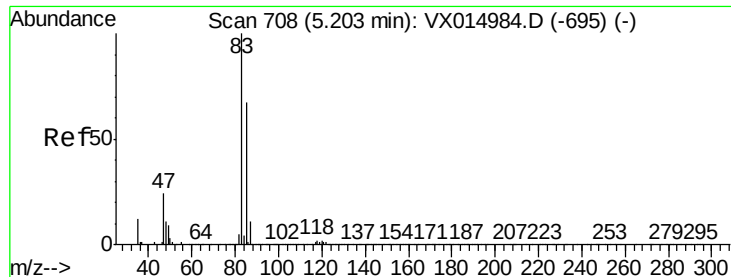


#24

Methyl tert-Butyl Ether
Concen: 18.426 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.8	17.7	26.5





#25

Chloroform

Concen: 18.300 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 83 Resp: 145088

Ion Ratio Lower Upper

83 100

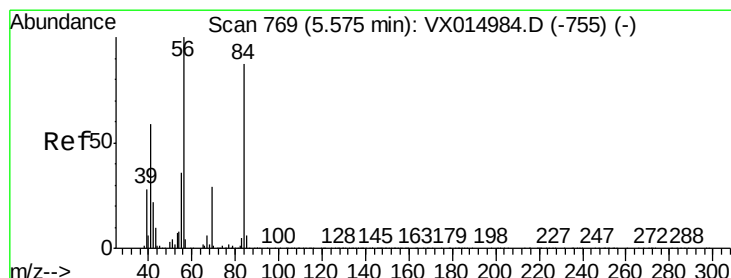
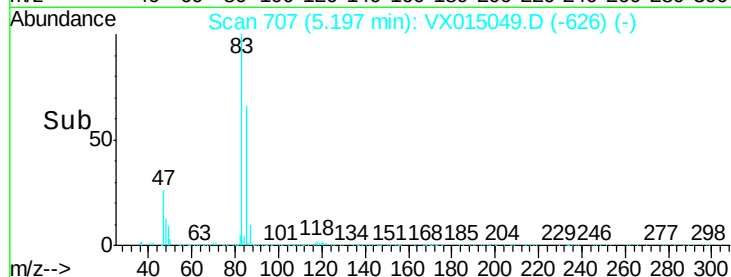
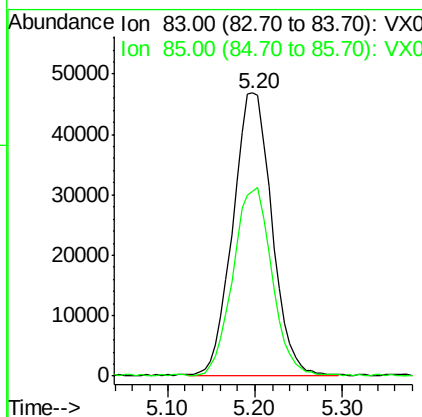
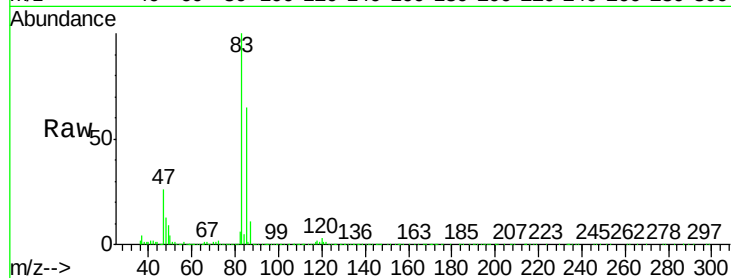
85 65.4 53.4 80.0

Manual Integrations

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MMDadoda

3/2/2020 11:10:04 AM



#26

Cyclohexane

Concen: 18.777 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.01 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

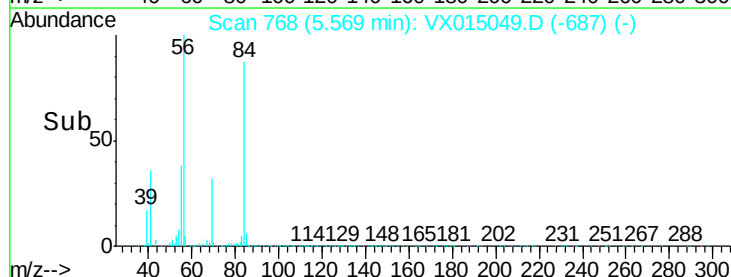
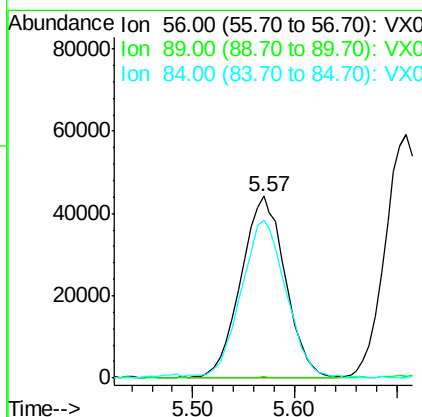
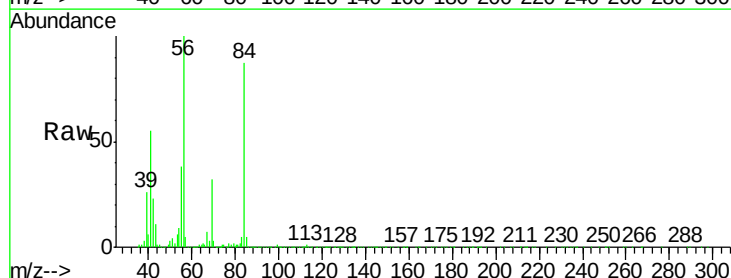
Tgt Ion: 56 Resp: 131941

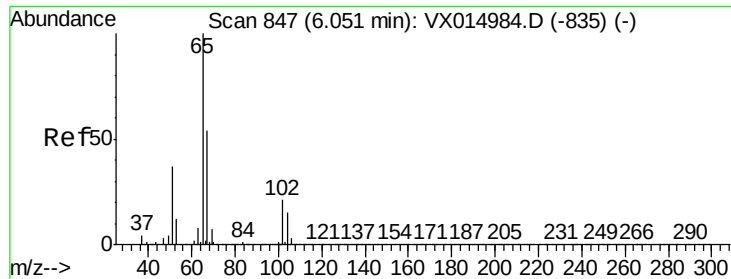
Ion Ratio Lower Upper

56 100

89 0.1 0.2 0.2#

84 88.5 71.8 107.8





#27

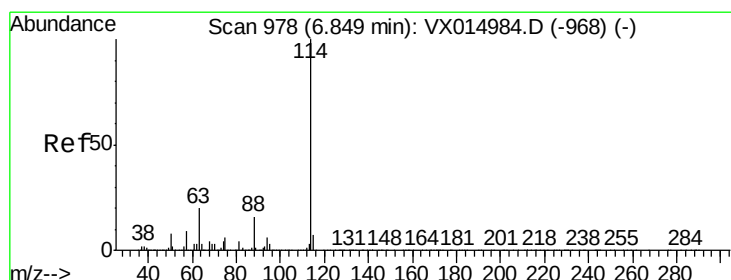
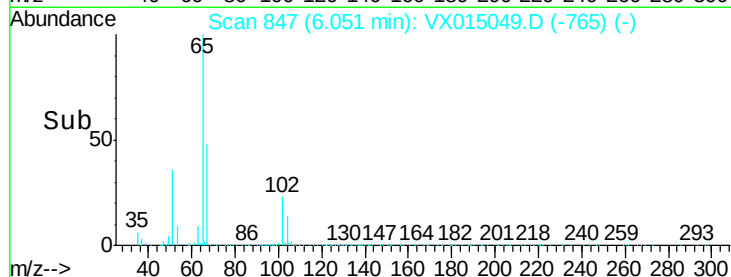
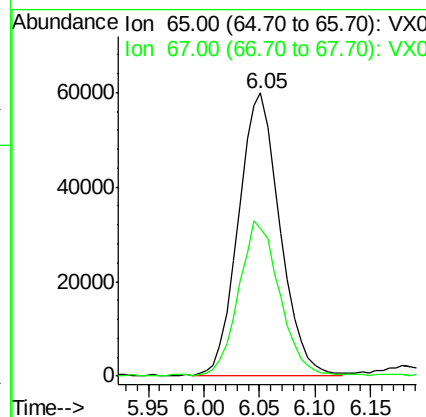
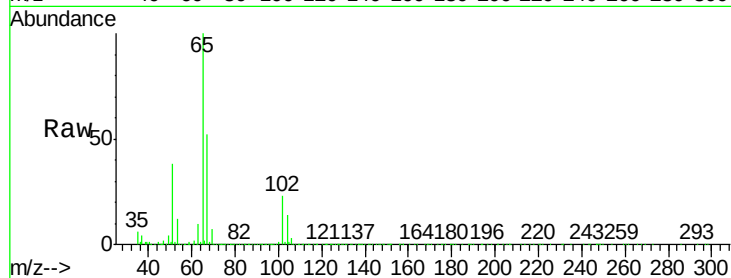
1,2-Dichloroethane-d4
Concen: 28.807 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	41.9	62.9

Manual Integrations
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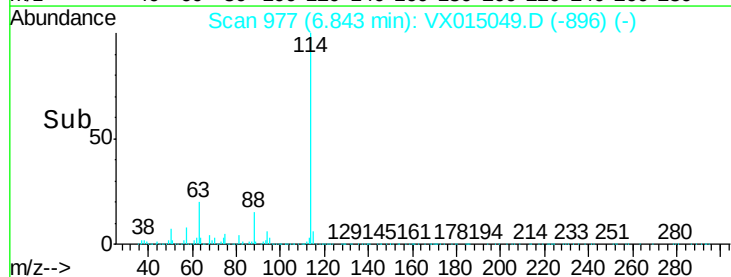
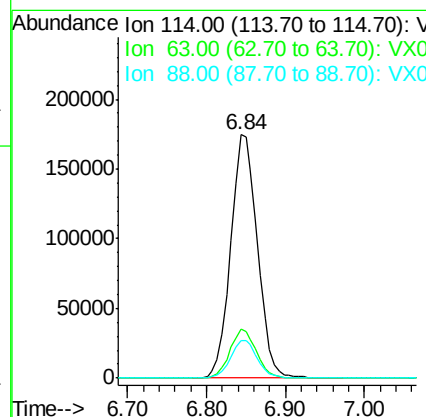
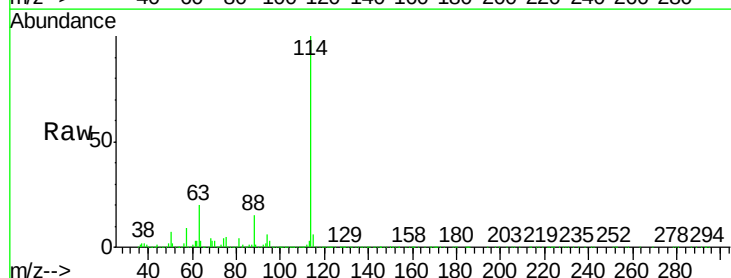
MMDadoda
3/2/2020 11:10:04 AM

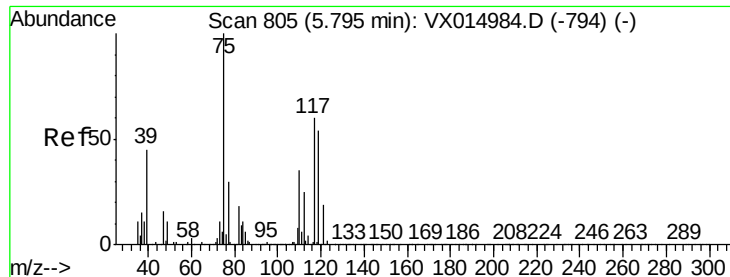


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.84 min Scan# 977
Delta R.T. -0.01 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	15.6	23.4
88	15.5	12.2	18.2





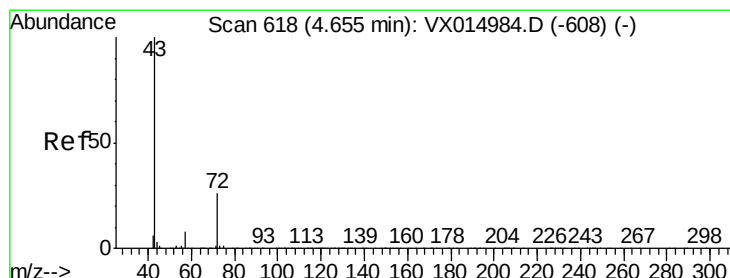
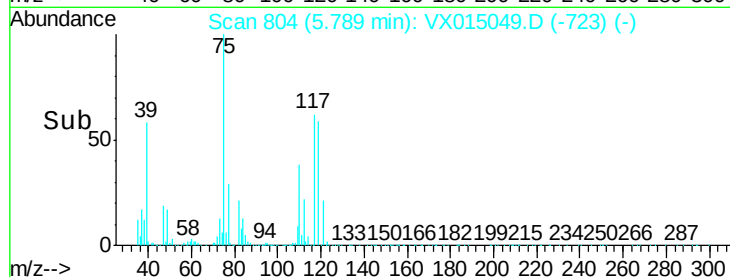
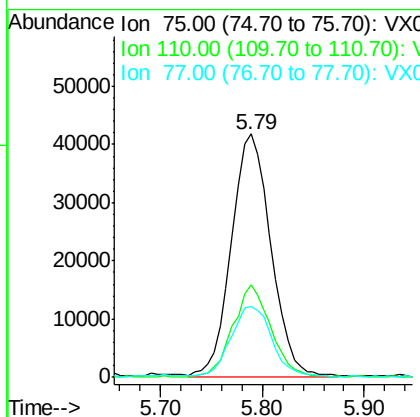
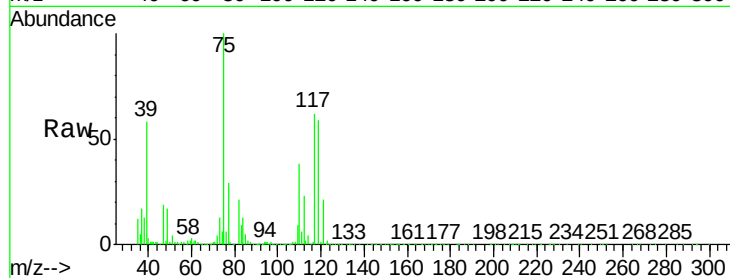
#29
1,1-Dichloropropene
Concen: 19.329 ug/l
RT: 5.79 min Scan# 804
Delta R.T. -0.01 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.9	0.0	75.0
77	30.0	0.0	64.0

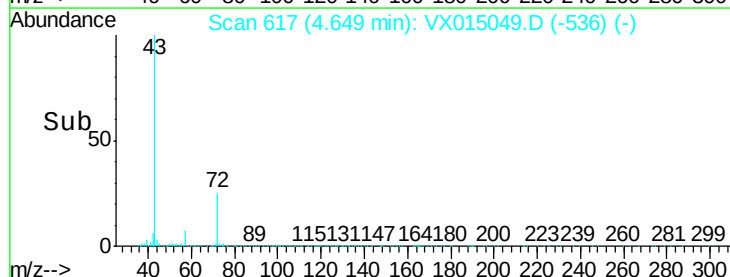
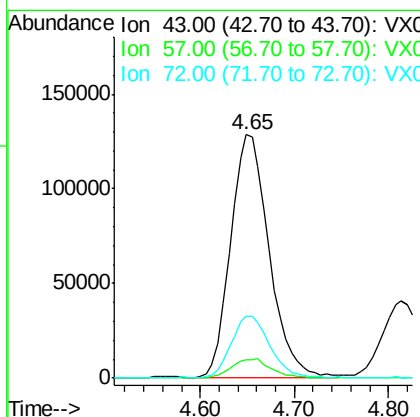
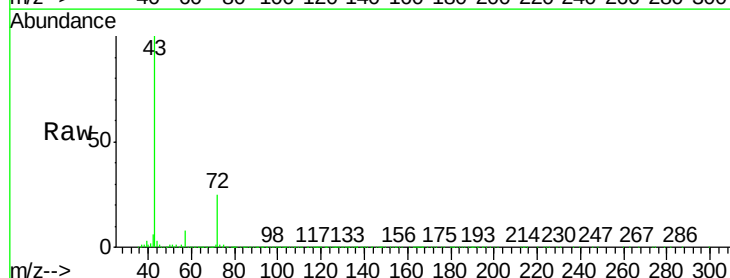
Manual Integrations
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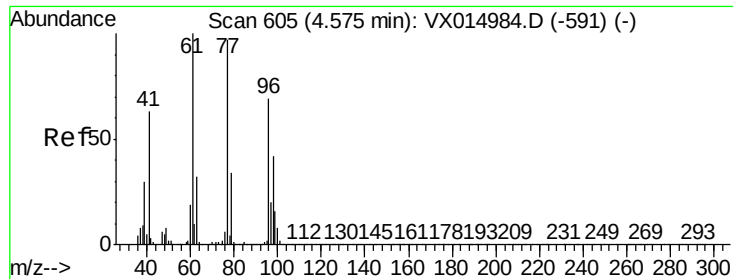
MMDadoda
3/2/2020 11:10:04 AM



#30
2-Butanone
Concen: 108.856 ug/l
RT: 4.65 min Scan# 617
Delta R.T. -0.01 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.9	6.5	9.7
72	25.1	20.3	30.5





#31

2,2-Dichloropropane

Concen: 18.654 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 77 Resp: 118748

Ion Ratio Lower Upper

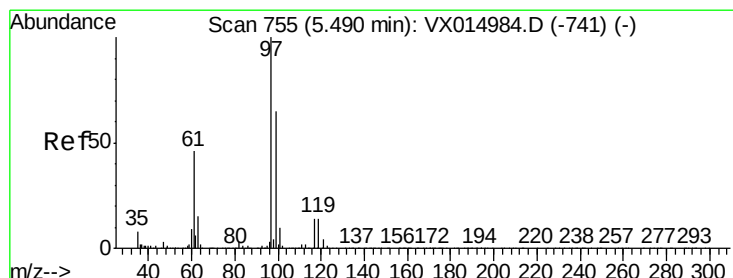
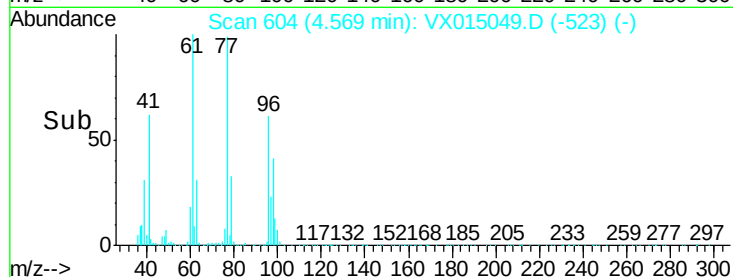
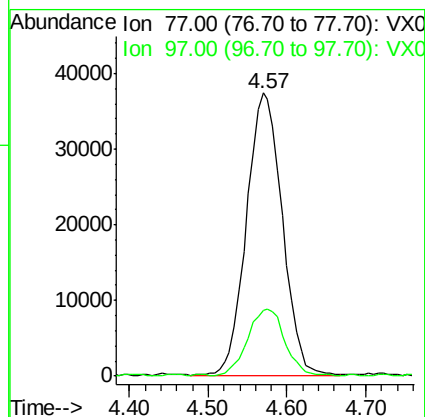
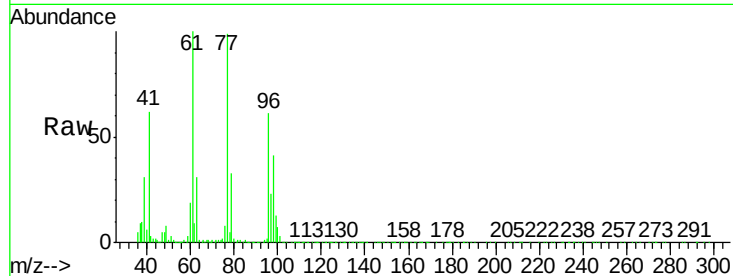
77 100

97 24.5 18.4 27.6

Manual Integrations
APPROVED

MMDadoda

3/2/2020 11:10:04 AM



#32

1,1,1-Trichloroethane

Concen: 18.655 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

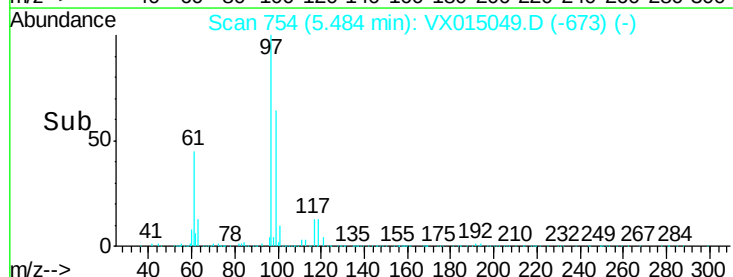
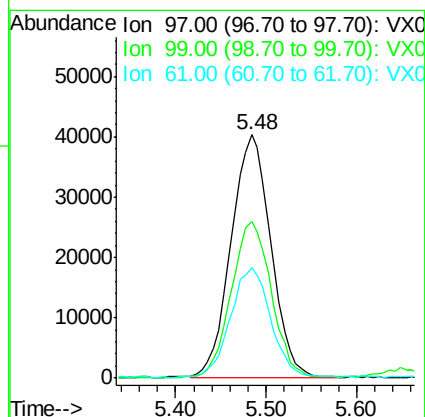
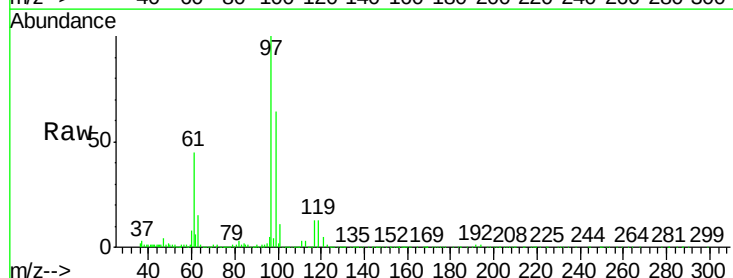
Tgt Ion: 97 Resp: 122813

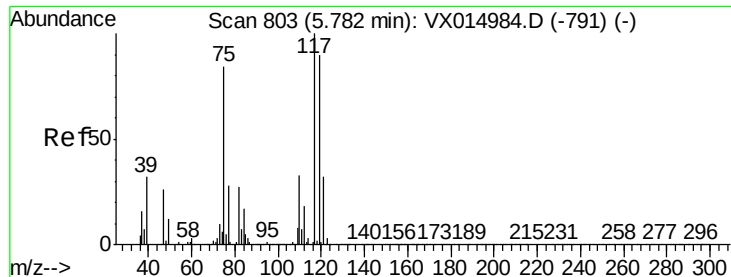
Ion Ratio Lower Upper

97 100

99 64.3 53.0 79.6

61 46.0 36.2 54.2





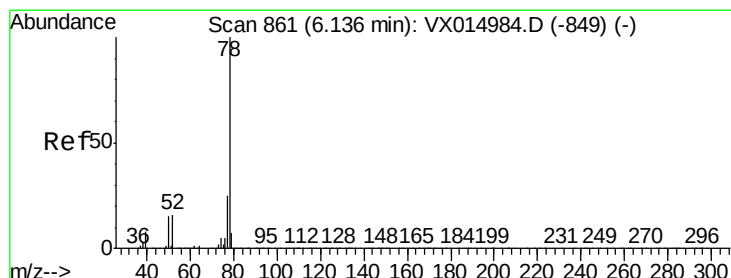
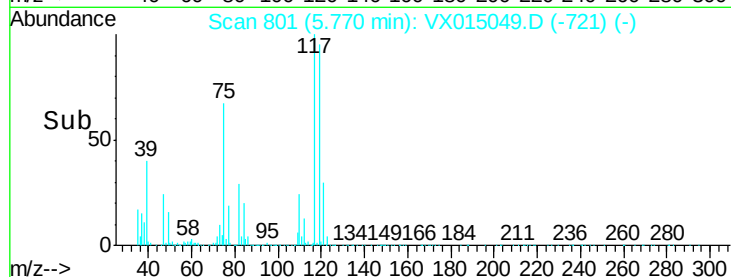
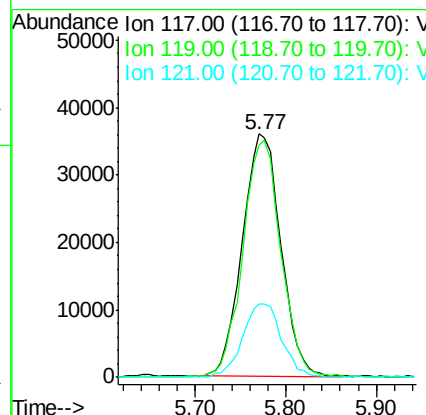
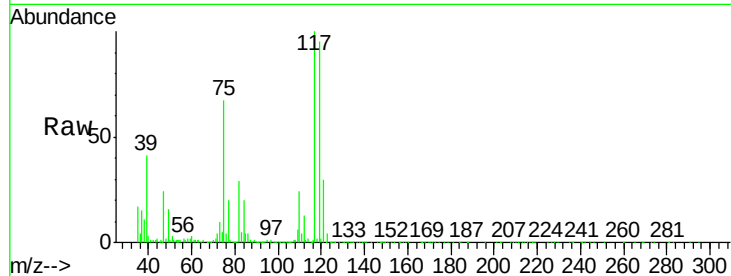
#33
Carbon Tetrachloride
Concen: 18.320 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.0	71.9	107.9
121	30.0	25.4	38.2

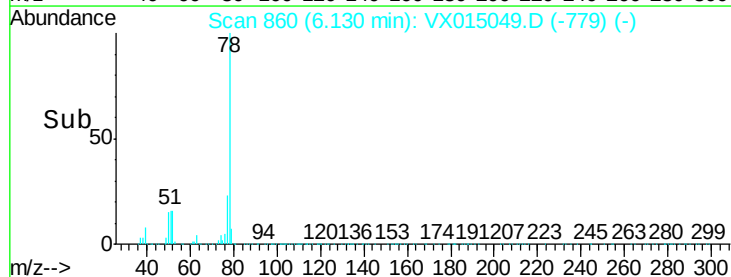
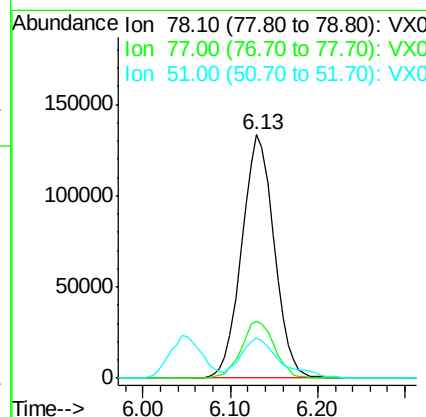
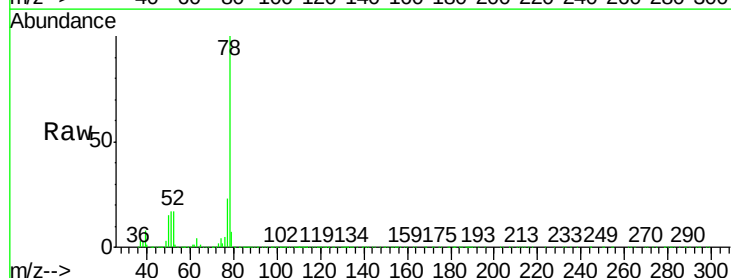
Manual Integrations
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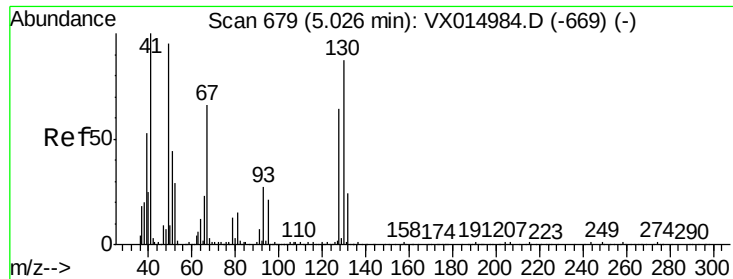
MMDadoda
3/2/2020 11:10:04 AM



#34
Benzene
Concen: 19.602 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	20.0	30.0
51	16.3	13.3	19.9





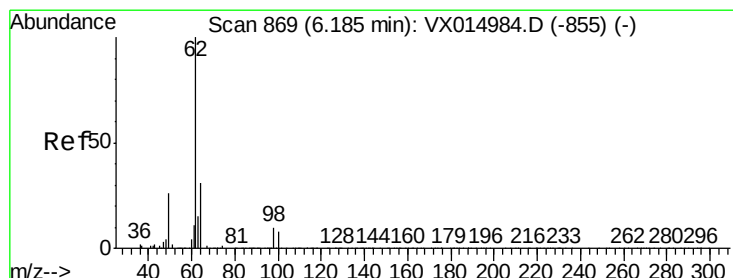
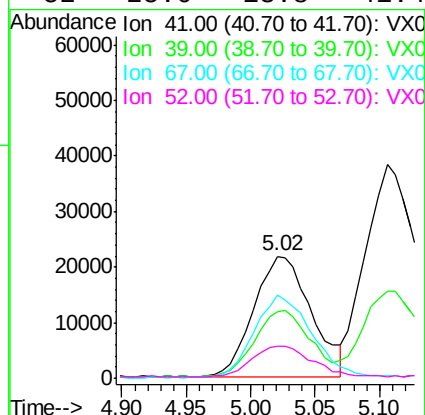
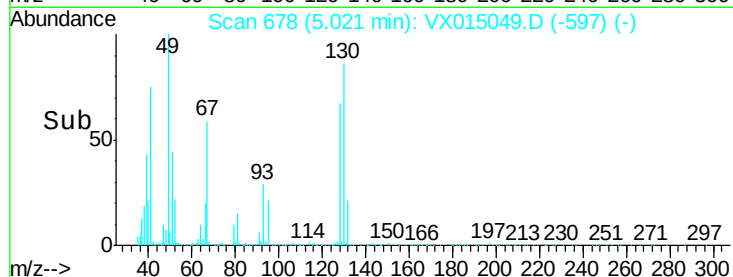
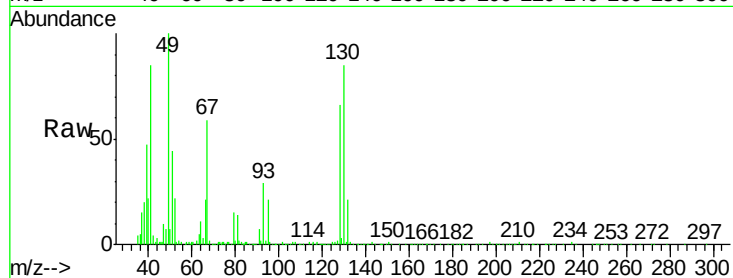
#35
Methacrylonitrile
Concen: 19.829 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.0	25.9	77.7	
67	67.9	32.7	98.1	
52	25.0	13.8	41.4	

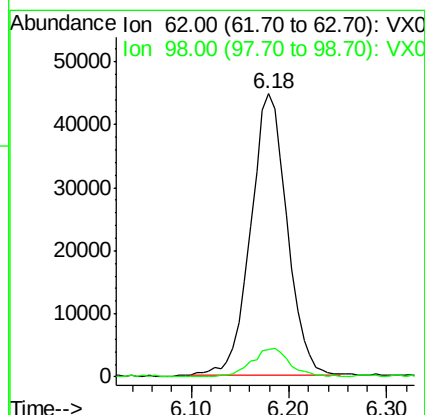
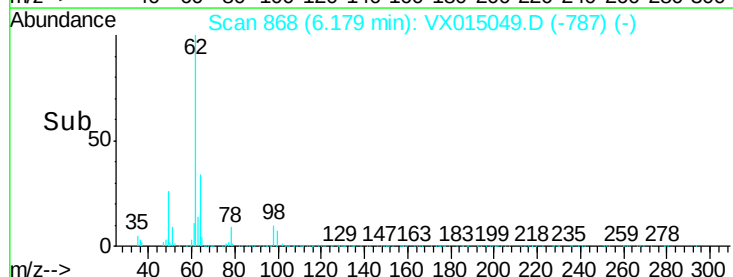
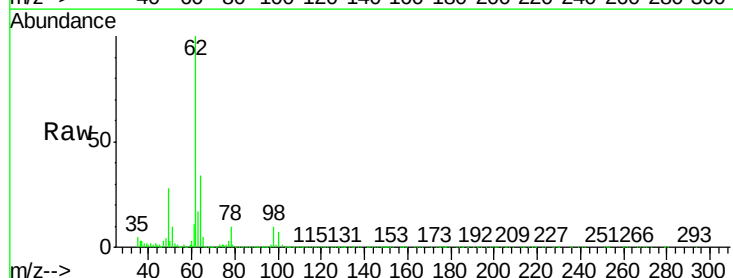
Manual Integrations
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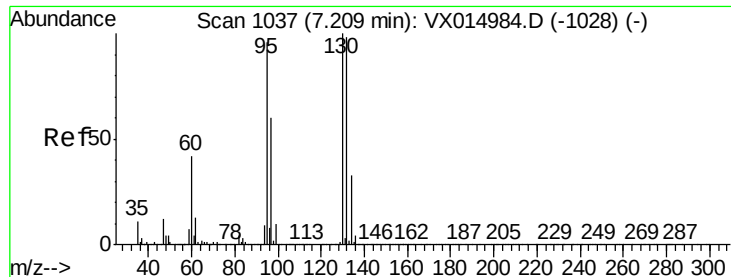
MMDadoda
3/2/2020 11:10:04 AM



#36
1,2-Dichloroethane
Concen: 18.752 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.6	7.5	11.3	





#37

Trichloroethene

Concen: 19.601 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion:130 Resp: 96269

Ion Ratio Lower Upper

130 100

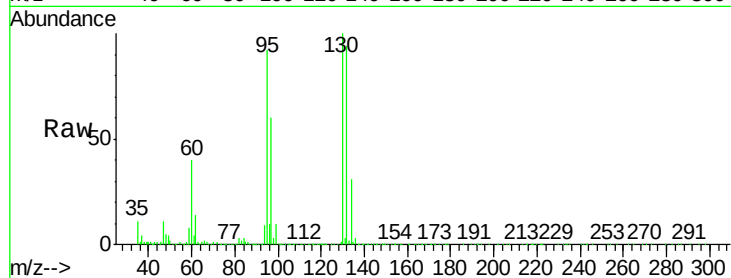
95 91.7 77.1 115.7

Manual Integrations

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MMDadoda

3/2/2020 11:10:04 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.20

50000

40000

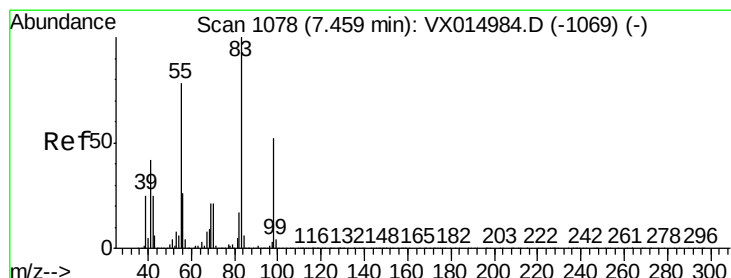
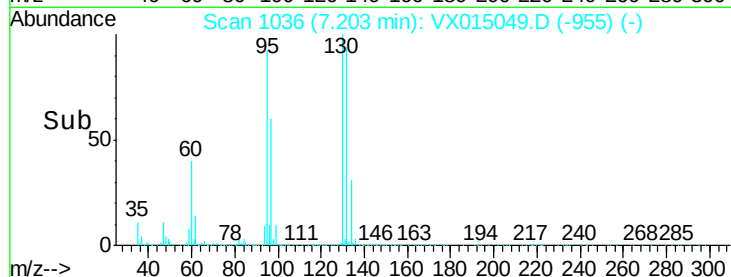
30000

20000

10000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#38

Methylcyclohexane

Concen: 18.699 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

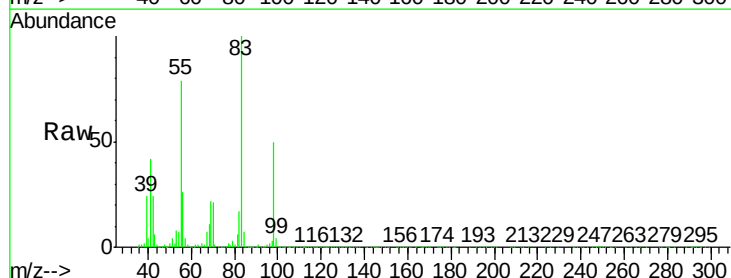
Tgt Ion: 83 Resp: 134369

Ion Ratio Lower Upper

83 100

55 78.6 38.2 114.6

98 51.0 25.3 75.8



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

7.45

80000

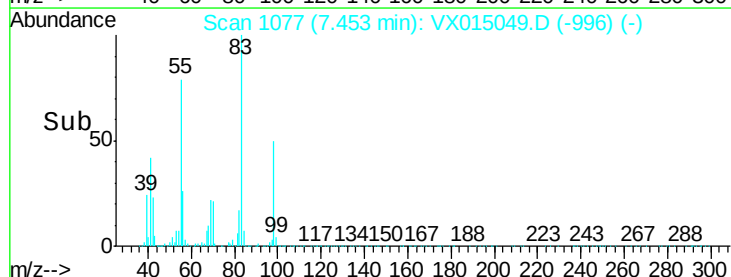
60000

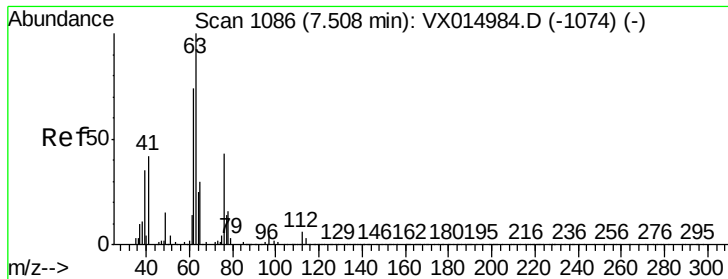
40000

20000

0

Time--> 7.35 7.40 7.45 7.50 7.55





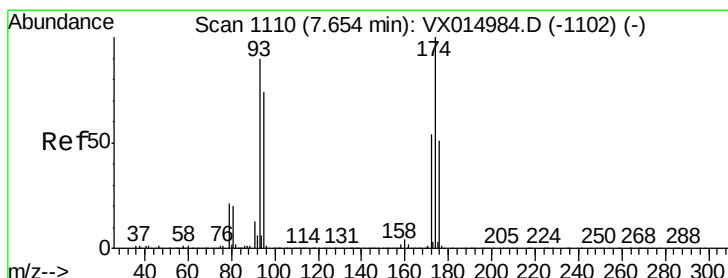
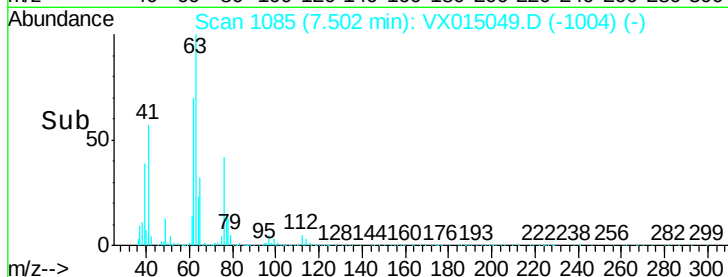
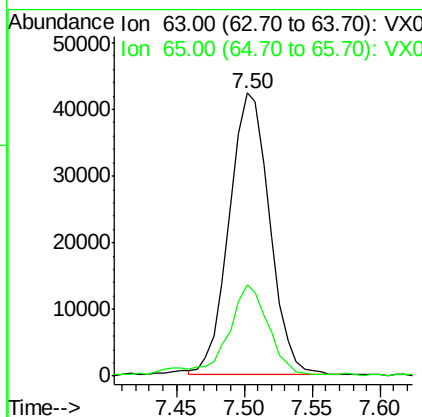
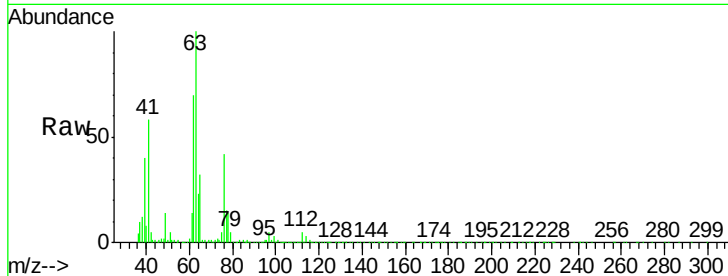
#39
 1,2-Dichloropropane
 Concen: 19.324 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX015049.D
 Acq: 28 Feb 2020 08:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.6	36.8

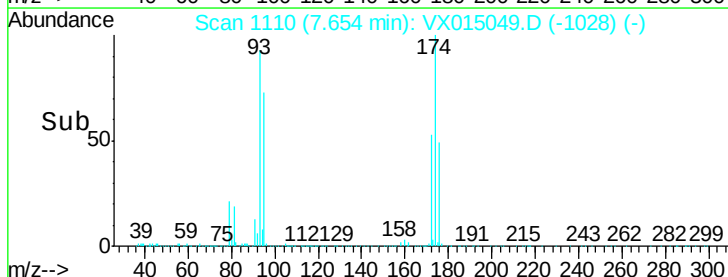
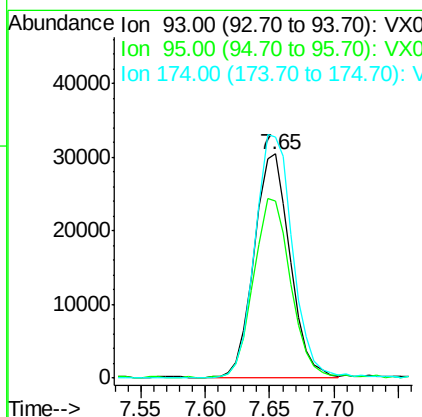
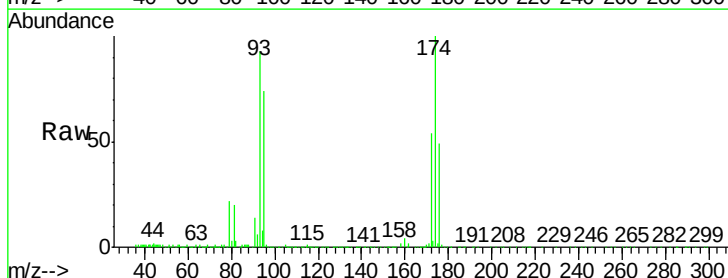
Manual Integrations
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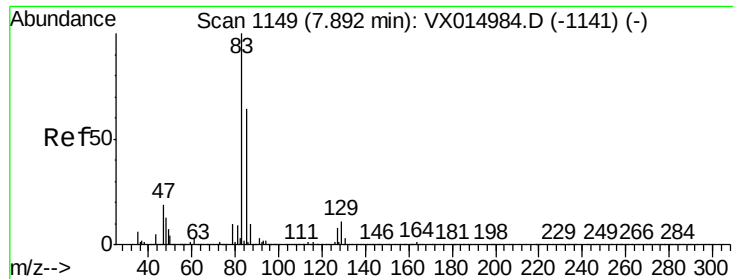
MMDadoda
 3/2/2020 11:10:04 AM



#40
 Dibromomethane
 Concen: 19.688 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX015049.D
 Acq: 28 Feb 2020 08:41

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.0	0.0	164.6
174	113.1	0.0	226.4





#41

Bromodichloromethane

Concen: 19.056 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

Instrument :

MSVOA_X

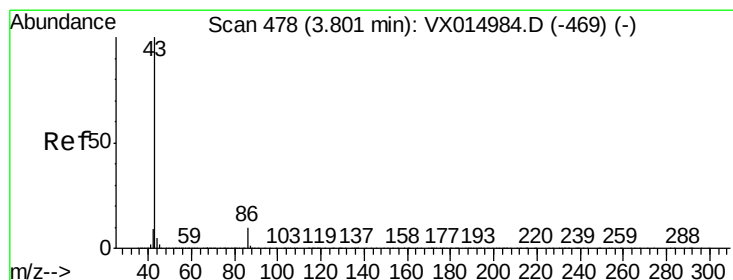
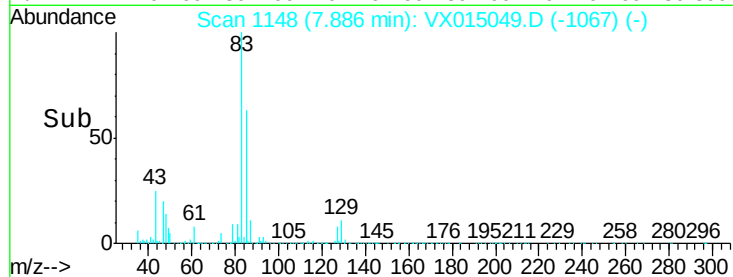
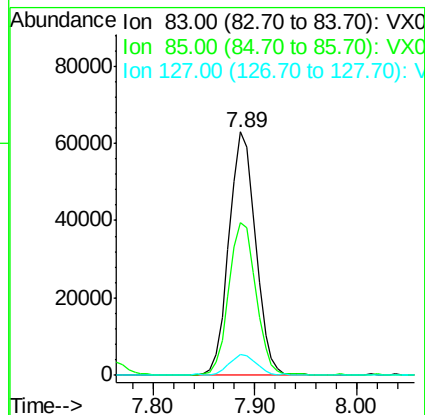
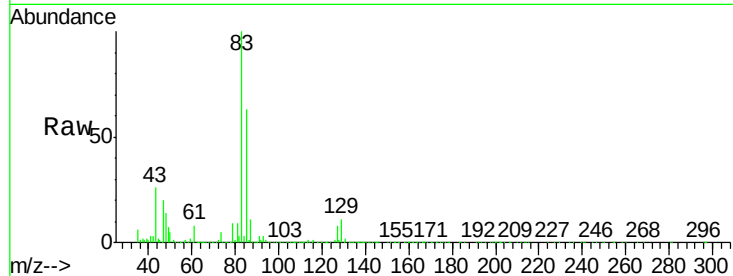
ClientSampled :

VSTDCCC020

Tot Ion:	83	Resp:	113178
Ion Ratio	Lower	Upper	
83	100		
85	62.6	51.0	76.4
127	8.3	6.6	10.0

Manual Integrations
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MMDadoda
3/2/2020 11:10:04 AM



#42

Vinyl Acetate

Concen: 98.173 ug/l

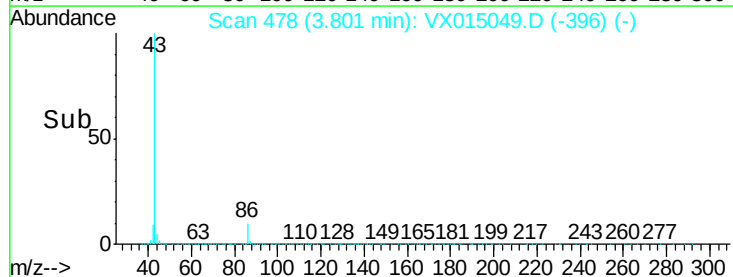
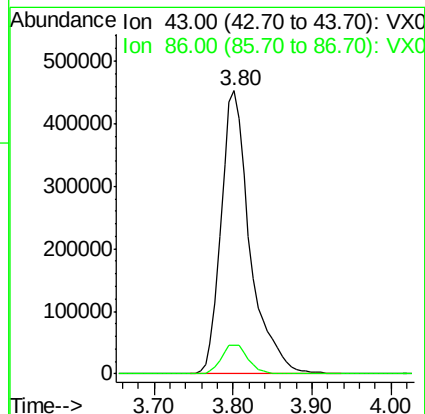
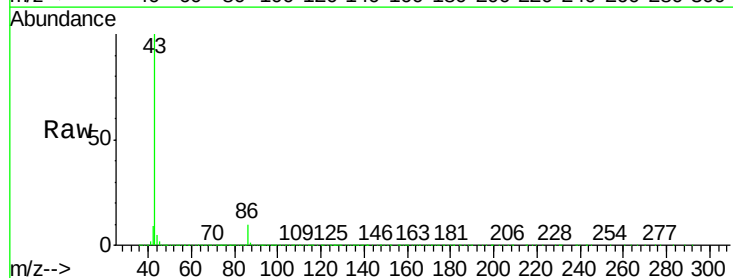
RT: 3.80 min Scan# 478

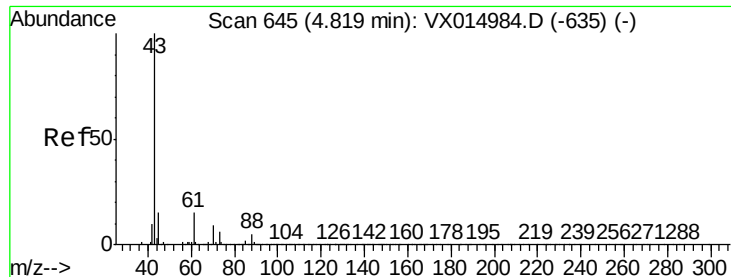
Delta R.T. 0.00 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

Tgt Ion:	43	Resp:	1156271
Ion Ratio	Lower	Upper	
43	100		
86	9.5	7.6	11.4





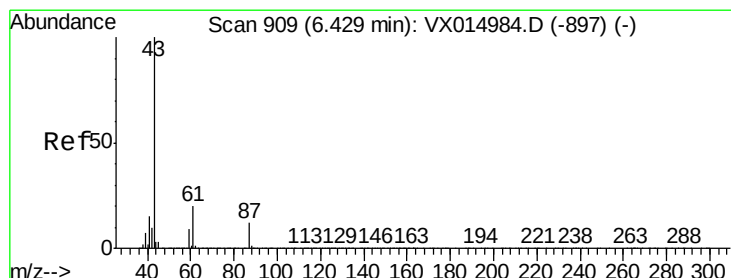
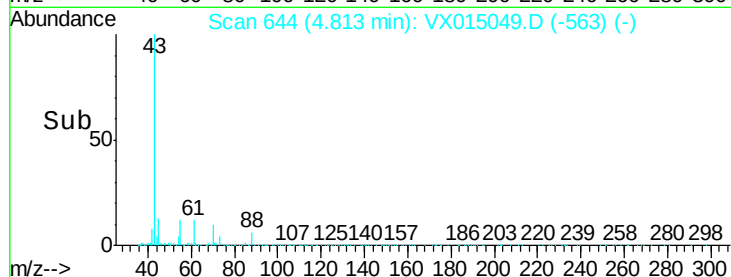
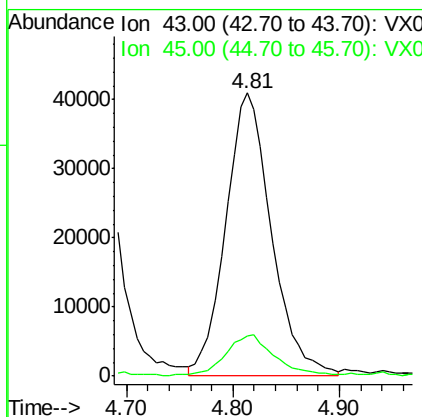
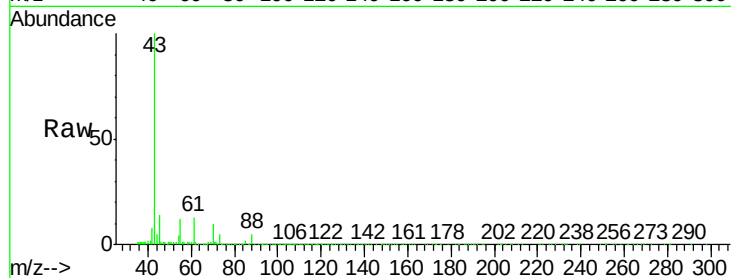
#43
Ethyl Acetate
Concen: 20.159 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
45	15.2	10.8	16.2

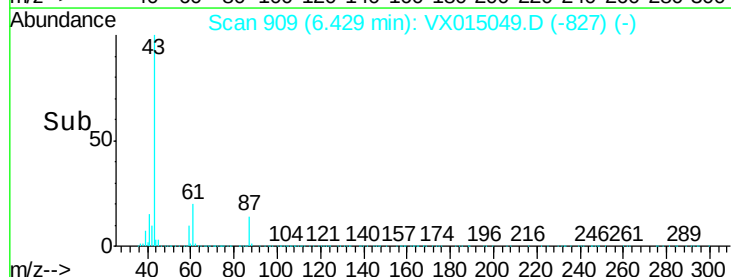
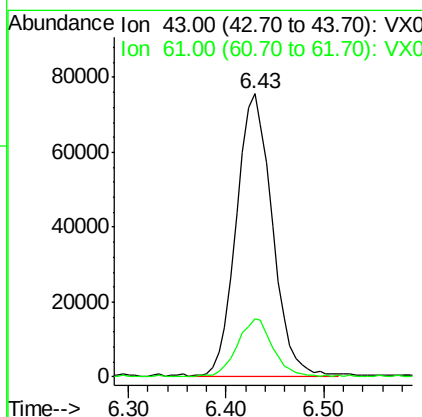
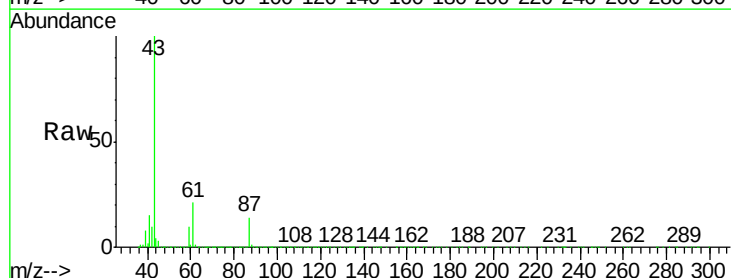
Manual Integrations
APPROVED

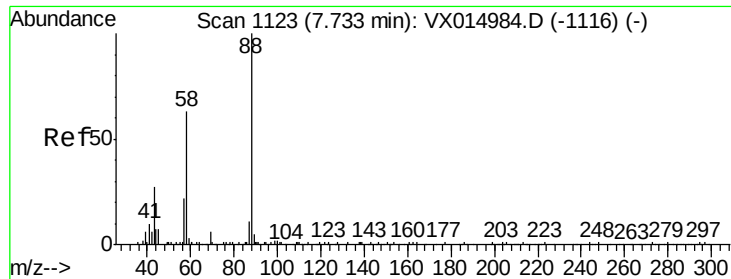
MMDadoda
3/2/2020 11:10:04 AM



#44
Isopropyl Acetate
Concen: 18.833 ug/l
RT: 6.43 min Scan# 909
Delta R.T. 0.00 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.6	23.4





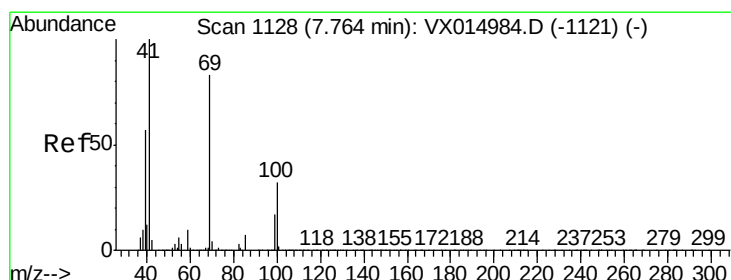
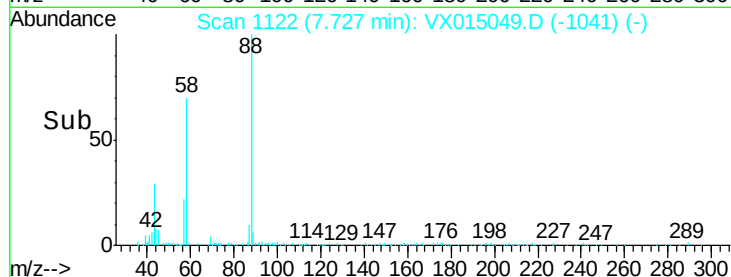
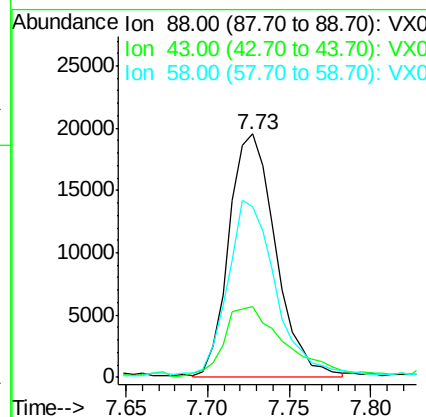
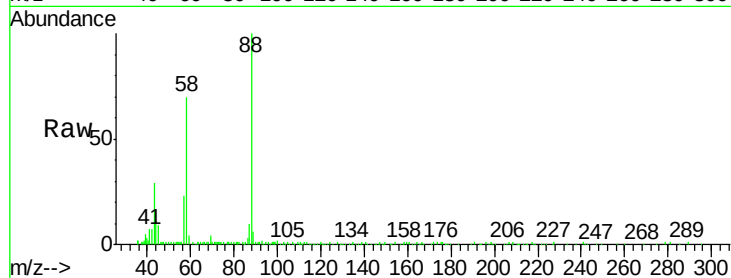
#45
1,4-Dioxane
Concen: 412.121 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.6	25.4	38.2#
58	74.8	55.8	83.8

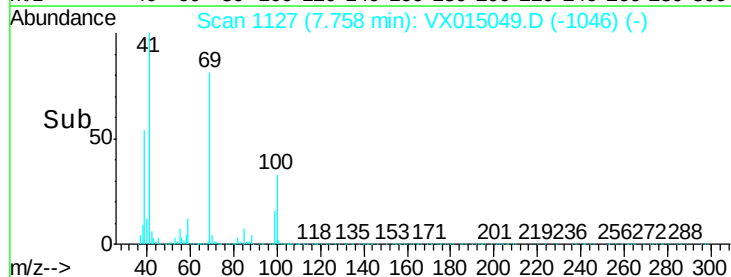
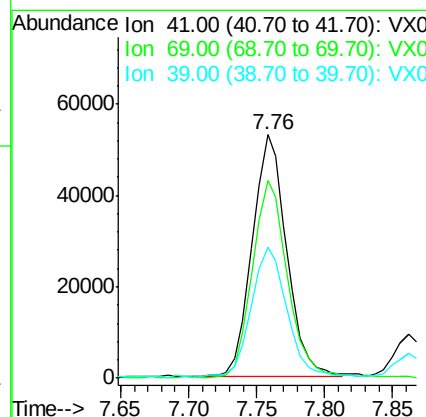
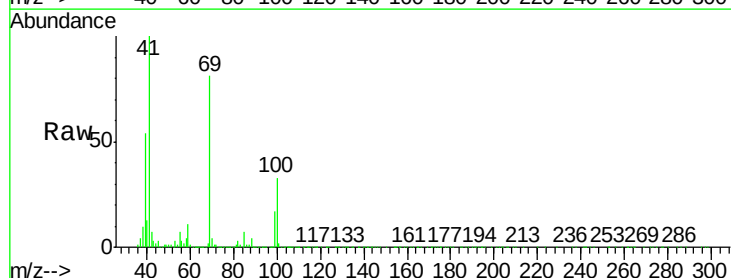
Manual Integrations
APPROVED

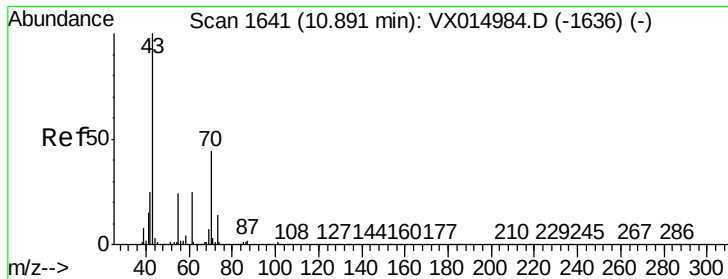
MMDadoda
3/2/2020 11:10:04 AM



#46
Methyl methacrylate
Concen: 18.767 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Tgt Ion	Ratio	Lower	Upper
41	100		
69	81.0	41.4	124.2
39	53.8	28.3	84.9





#47

n-amvl Acetate

Concen: 17.967 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 158422

Ion Ratio Lower Upper

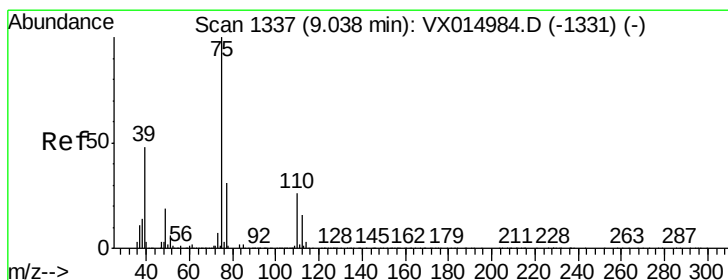
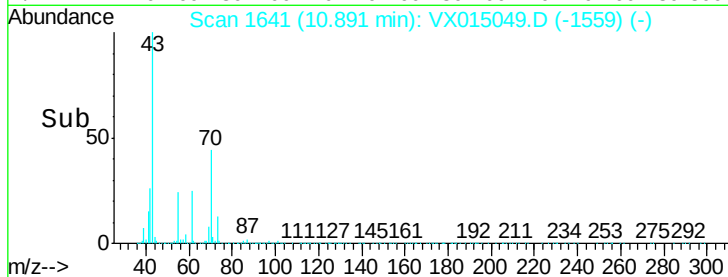
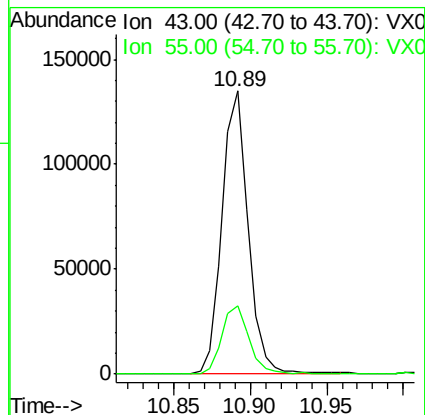
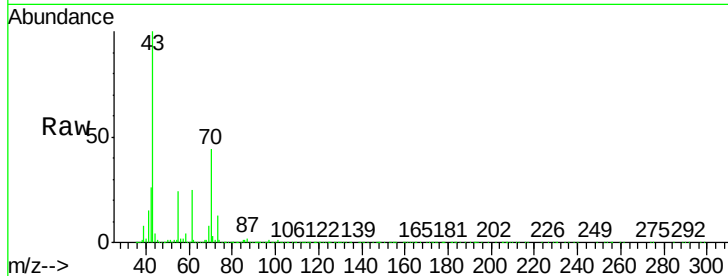
43 100

55 24.8 19.2 28.8

Manual Integrations
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#48

t-1,3-Dichloropropene

Concen: 18.101 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX015049.D

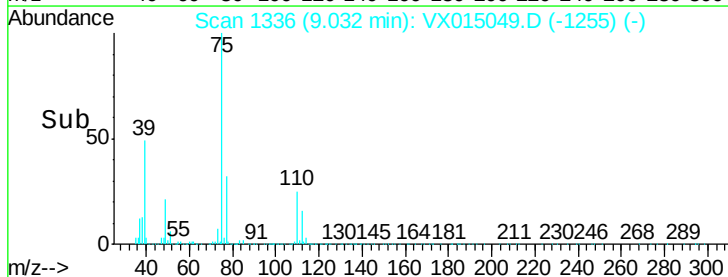
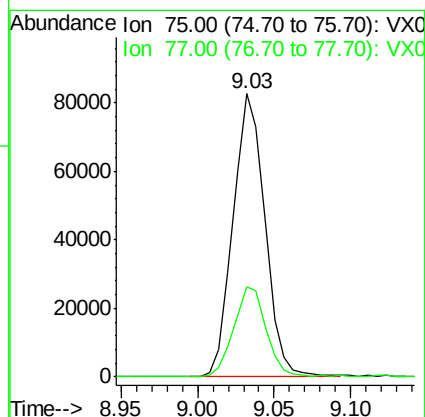
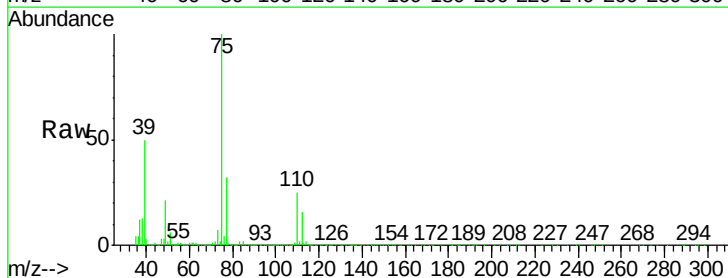
Acq: 28 Feb 2020 08:41

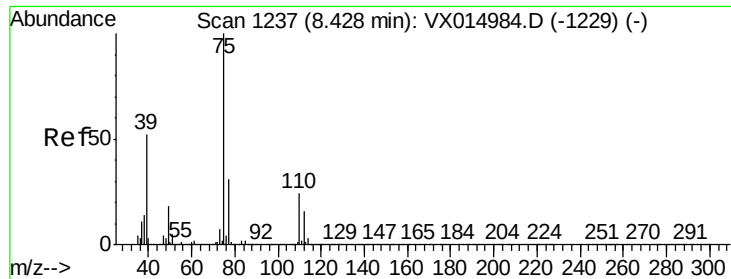
Tgt Ion: 75 Resp: 119279

Ion Ratio Lower Upper

75 100

77 31.7 24.6 36.8





#49

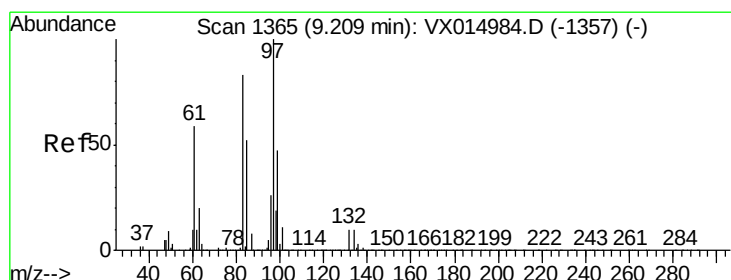
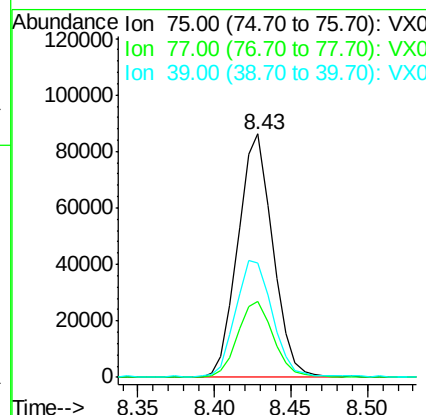
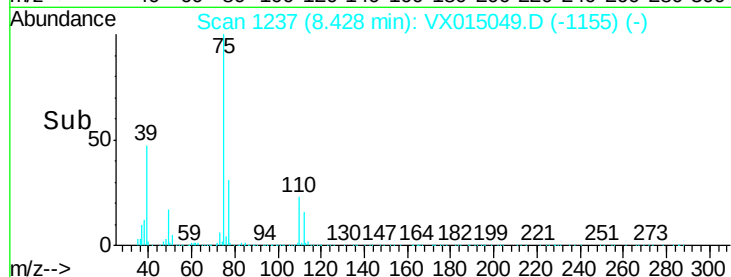
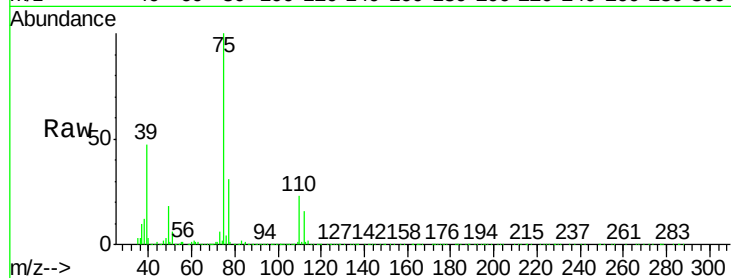
cis-1,3-Dichloropropene
 Concen: 18.865 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX015049.D
 Acq: 28 Feb 2020 08:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.6	36.8
39	46.8	41.5	62.3

Manual Integrations
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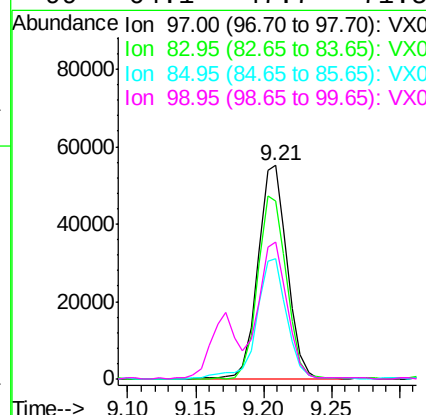
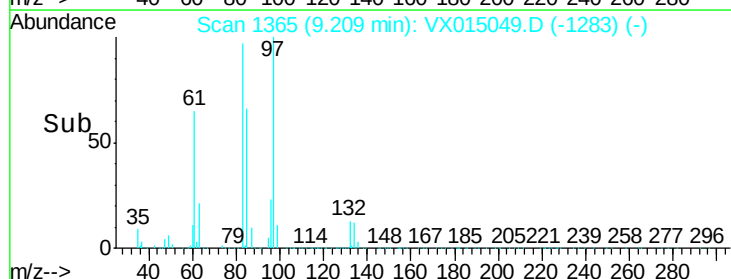
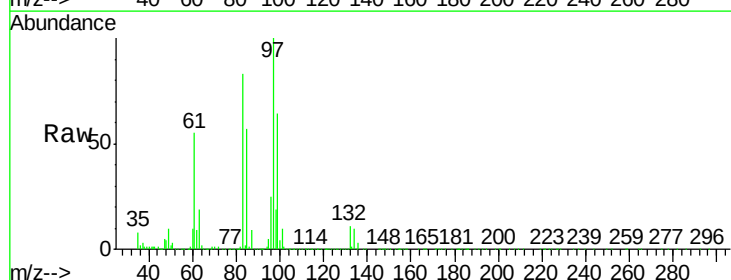
MMDadoda
 3/2/2020 11:10:04 AM

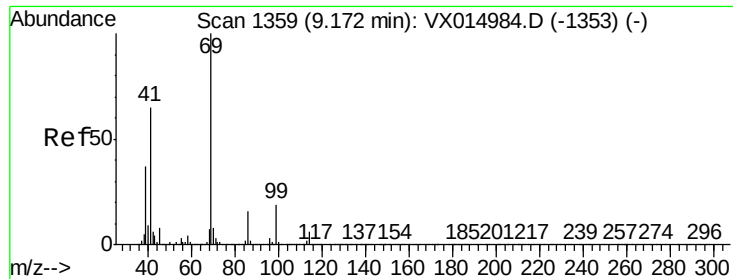


#50

1,1,2-Trichloroethane
 Concen: 18.583 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX015049.D
 Acq: 28 Feb 2020 08:41

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.1	66.2	99.2
85	56.3	42.4	63.6
99	64.1	47.7	71.5





#51

Ethyl methacrylate

Concen: 17.530 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

Instrument :

MSVOA_X

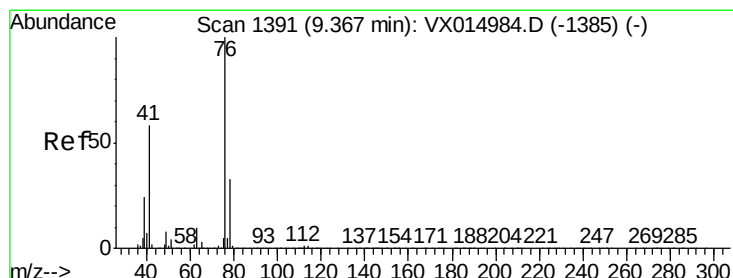
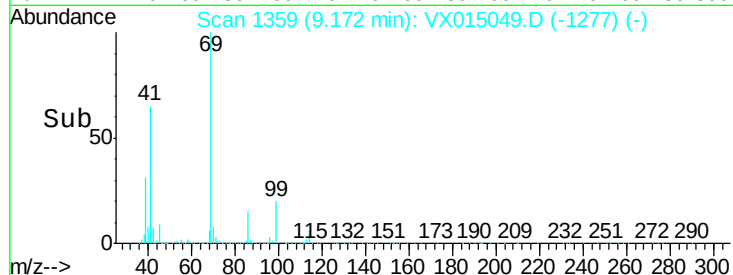
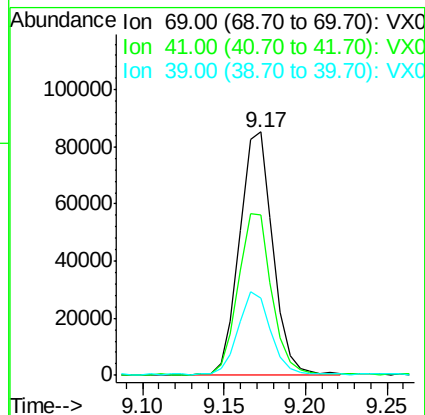
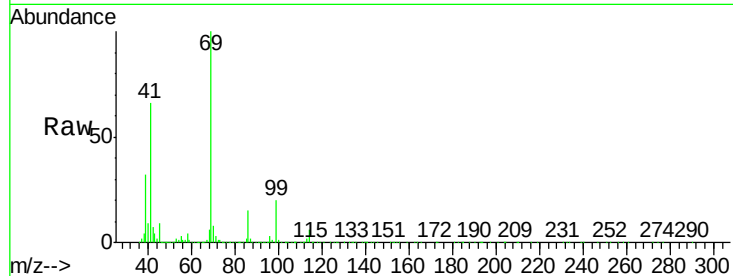
ClientSampled :

VSTDCCC020

Tot Ion:	69	Resp:	121200
Ion	Ratio	Lower	Upper
69	100		
41	65.7	32.7	98.1
39	31.6	18.2	54.6

Manual Integrations
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MMDadoda
3/2/2020 11:10:04 AM



#52

1,3-Dichloropropane

Concen: 18.943 ug/l

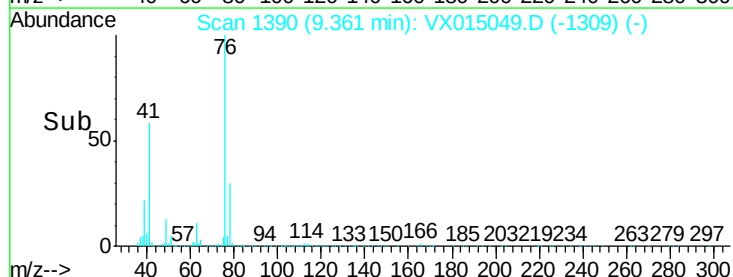
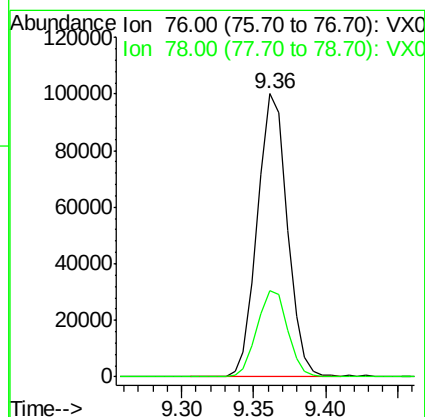
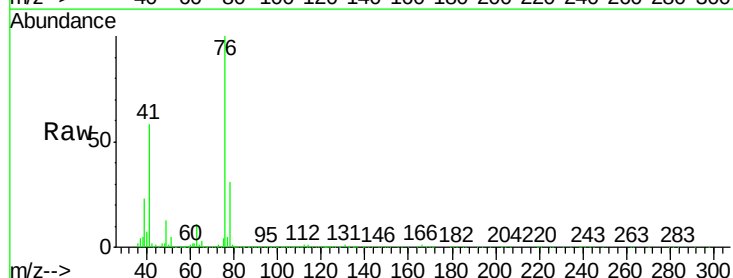
RT: 9.36 min Scan# 1390

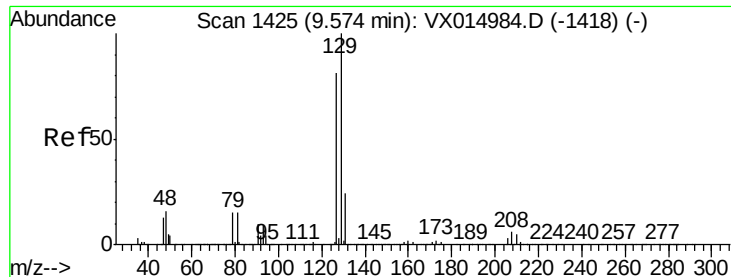
Delta R.T. -0.01 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

Tgt Ion:	76	Resp:	143547
Ion	Ratio	Lower	Upper
76	100		
78	30.8	0.0	65.0





#53

Dibromochloromethane

Concen: 17.639 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. 0.00 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:129 Resp: 85426

Ion Ratio Lower Upper

129 100

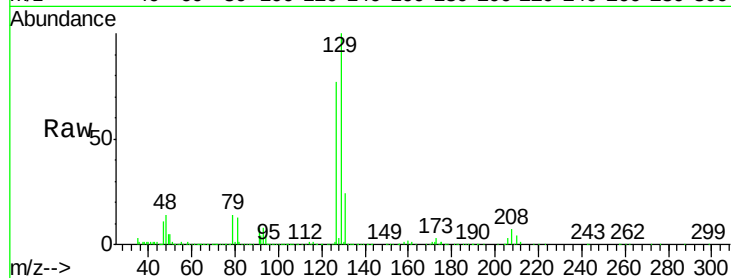
127 78.5 38.3 114.9

Manual Integrations

APPROVED

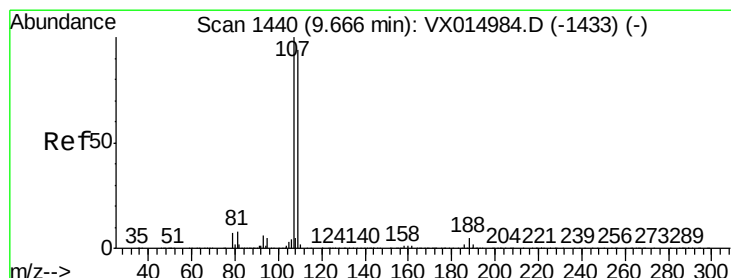
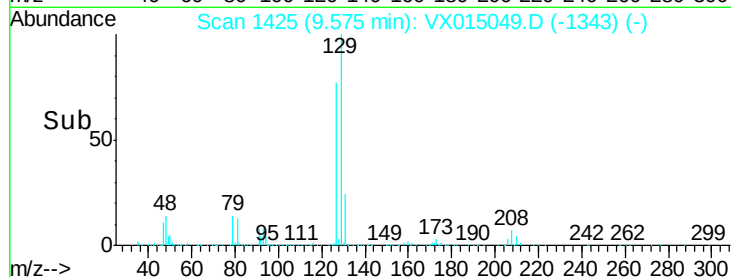
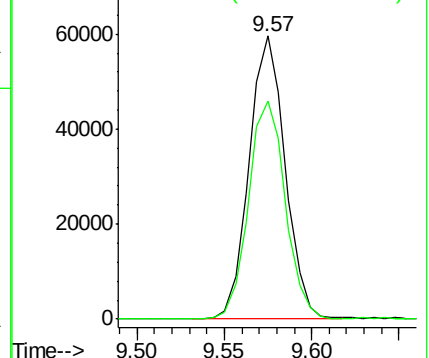
MMDadoda

3/2/2020 11:10:04 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.560 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX015049.D

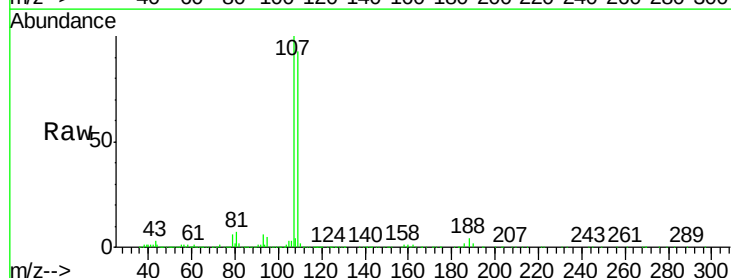
Acq: 28 Feb 2020 08:41

Tgt Ion:107 Resp: 88271

Ion Ratio Lower Upper

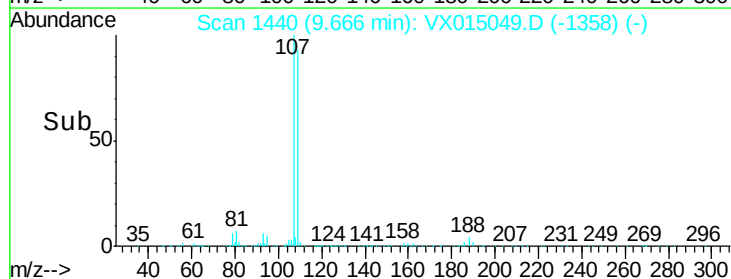
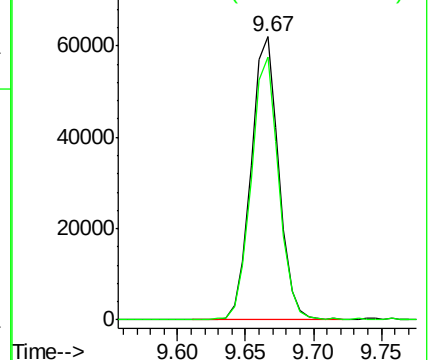
107 100

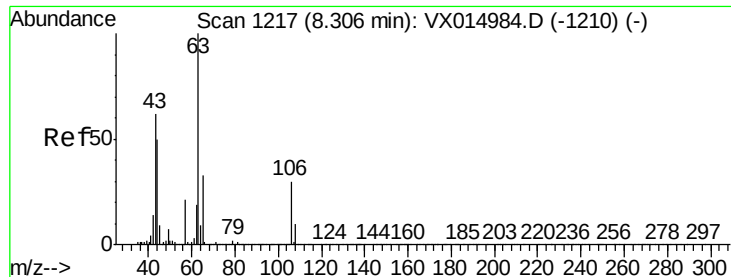
109 92.0 76.3 114.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





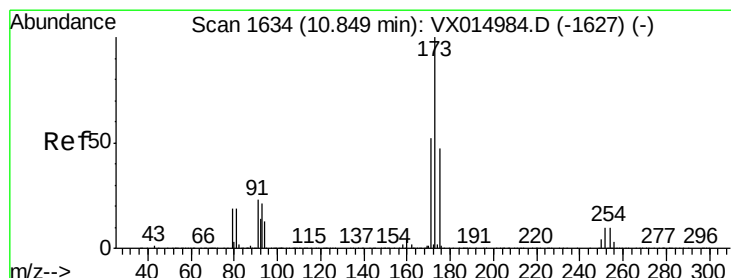
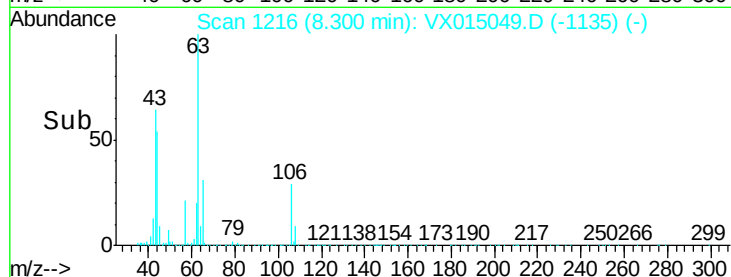
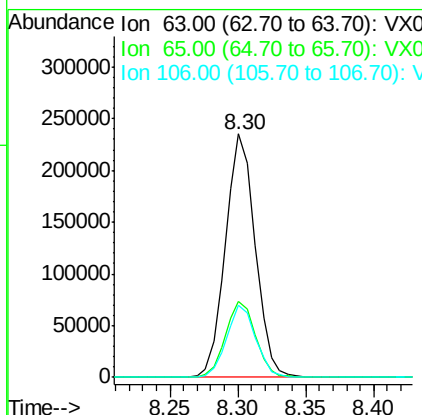
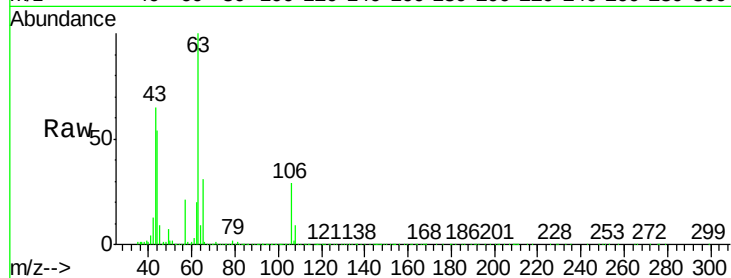
#55
2-Chloroethyl vinyl ether
Concen: 96.853 ug/l
RT: 8.30 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	26.0	39.0
106	29.0	23.9	35.9

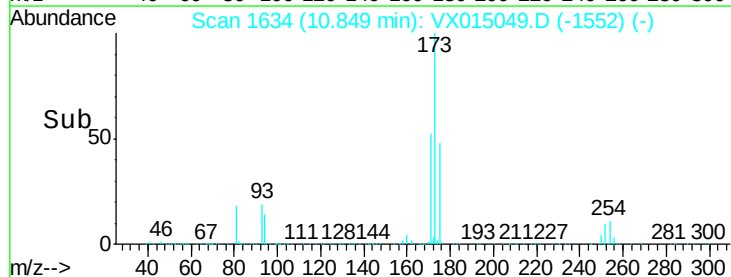
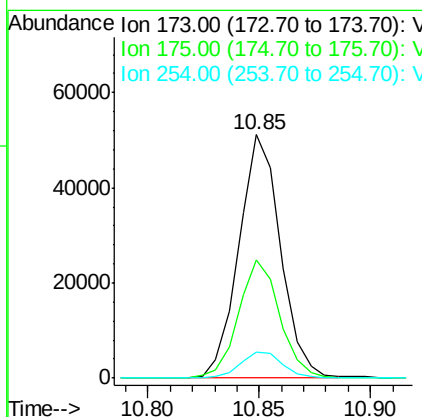
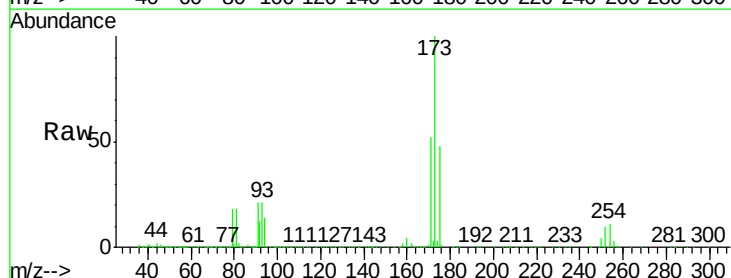
Manual Integrations
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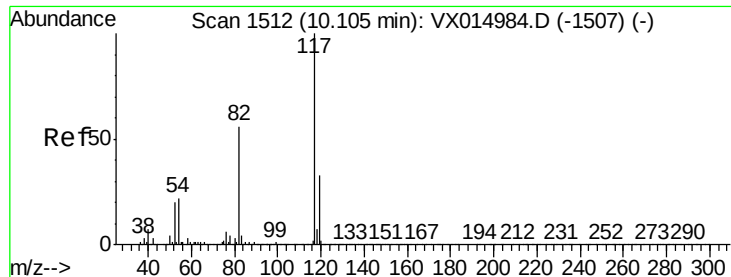
MMDadoda
3/2/2020 11:10:04 AM



#56
Bromoform
Concen: 17.416 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.6	57.8
254	11.1	8.6	13.0





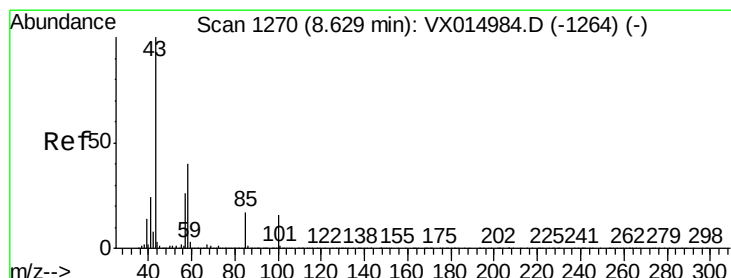
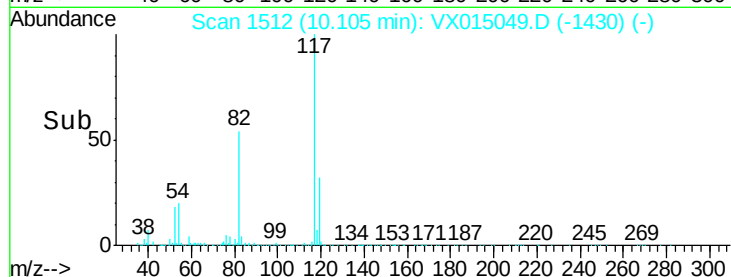
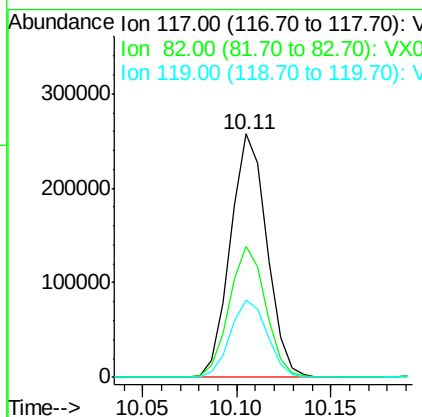
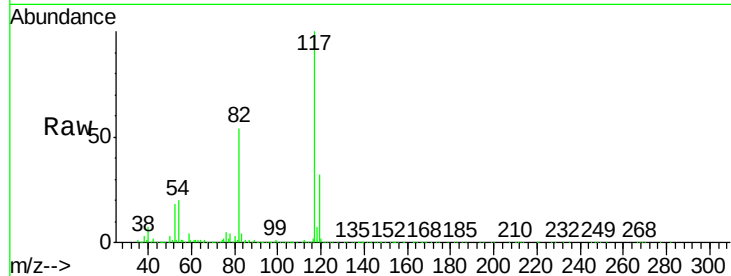
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. 0.00 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	346706		
82	53.4	43.4	65.2	
119	31.9	26.0	39.0	

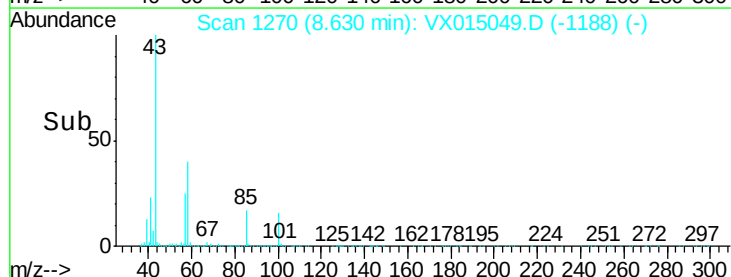
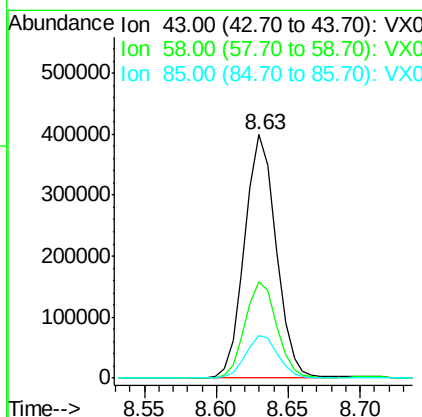
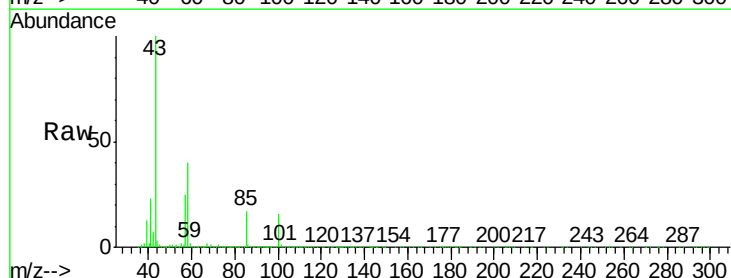
Manual Integrations
APPROVED

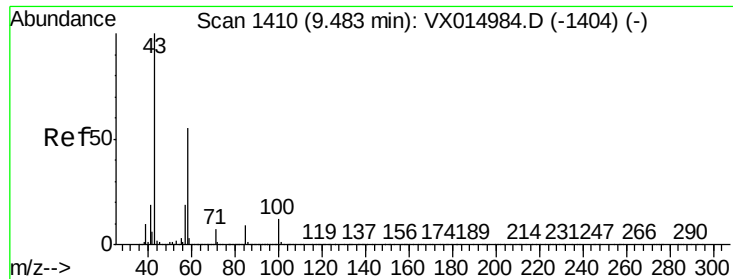
MMDadoda
3/2/2020 11:10:04 AM



#58
4-Methyl-2-Pentanone
Concen: 106.752 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	606574		
58	40.0	31.7	47.5	
85	17.7	14.4	21.6	





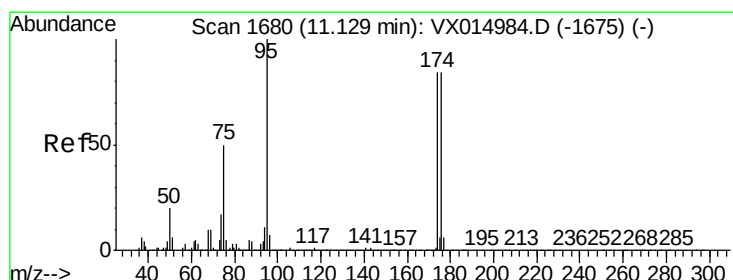
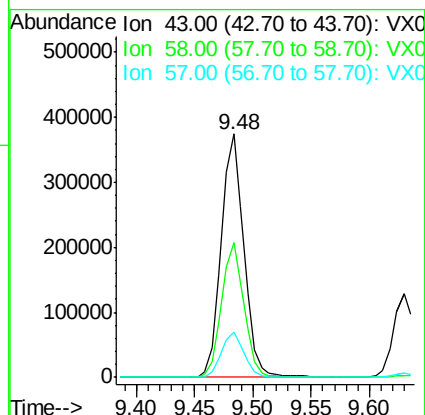
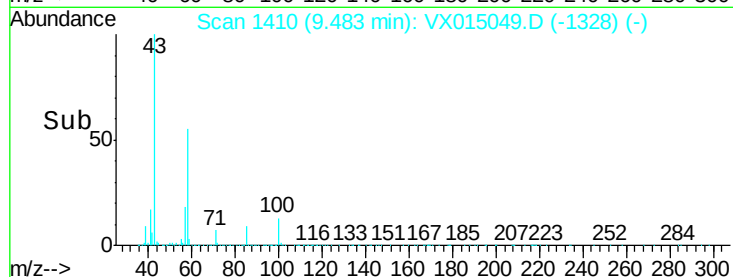
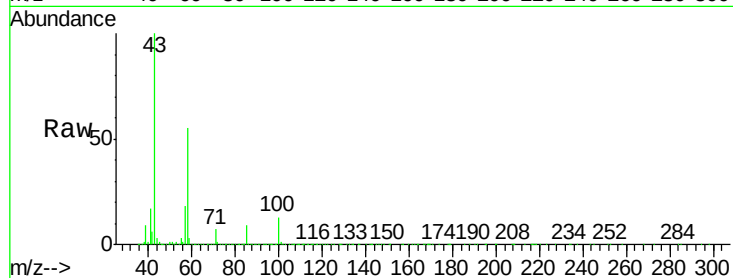
#59
2-Hexanone
Concen: 112.137 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.0	44.1	66.1
57	18.4	15.3	22.9

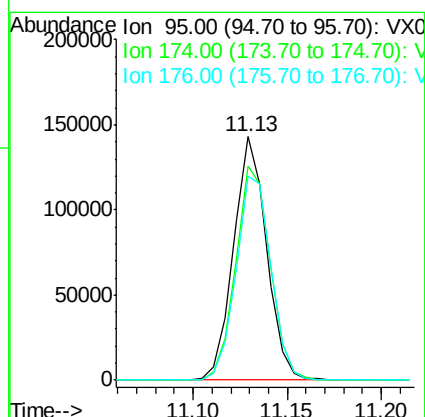
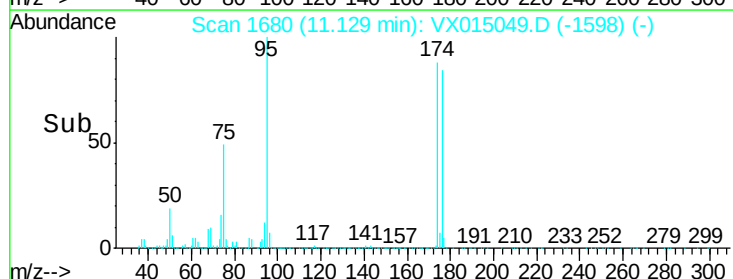
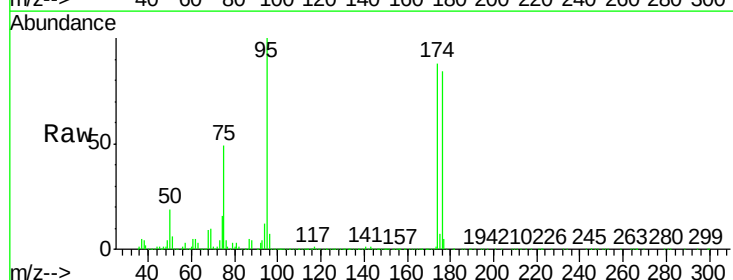
Manual Integrations
APPROVED

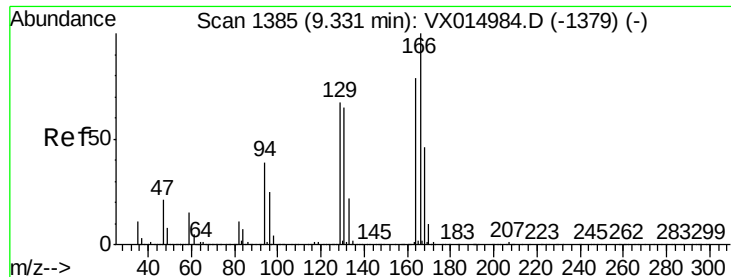
MMDadoda
3/2/2020 11:10:04 AM



#60
4-Bromofluorobenzene
Concen: 31.999 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.3	72.3	108.5
176	89.5	72.0	108.0





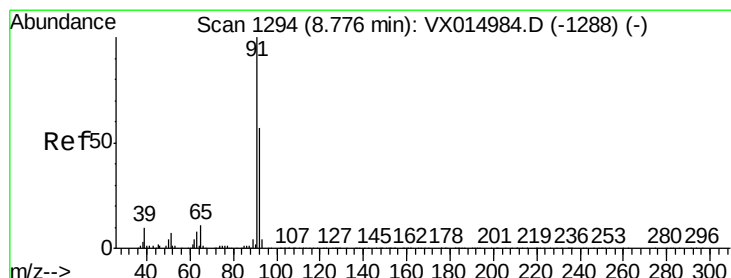
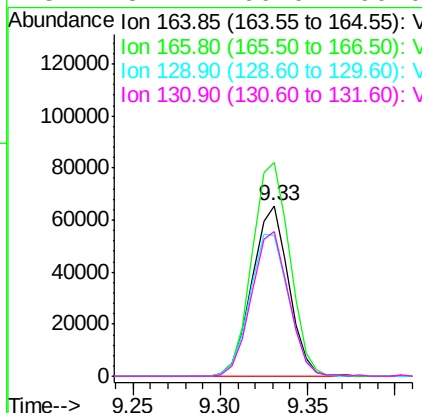
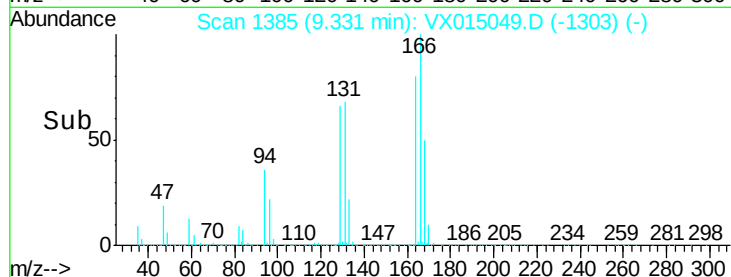
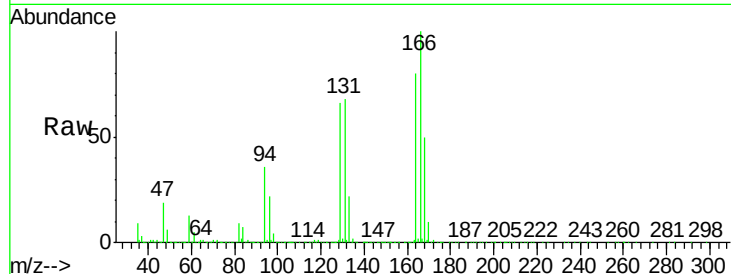
#61
Tetrachloroethene
Concen: 20.400 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	125.3	101.2	151.8
129	82.6	67.6	101.4
131	84.7	66.0	99.0

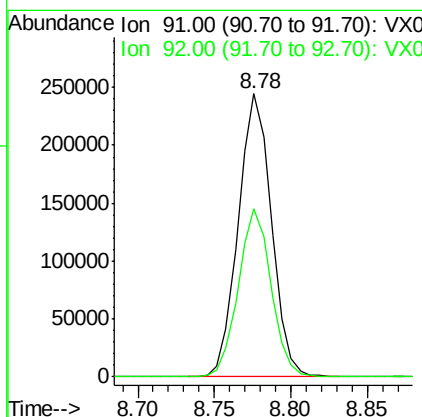
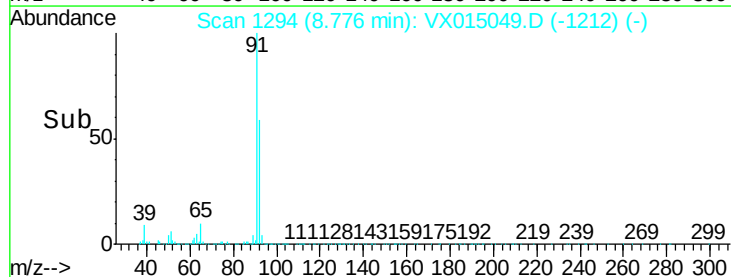
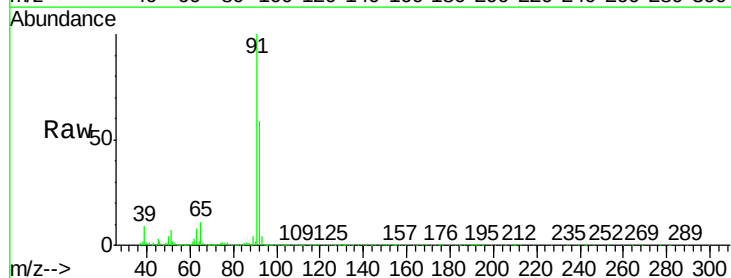
Manual Integrations
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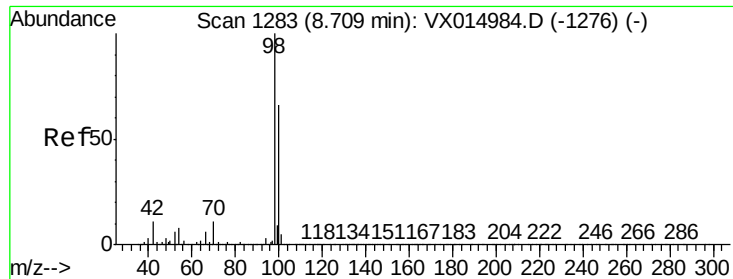
MMDadoda
3/2/2020 11:10:04 AM



#62
Toluene
Concen: 20.710 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.7	46.6	69.8





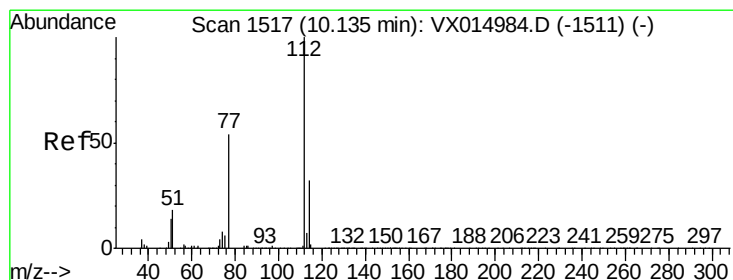
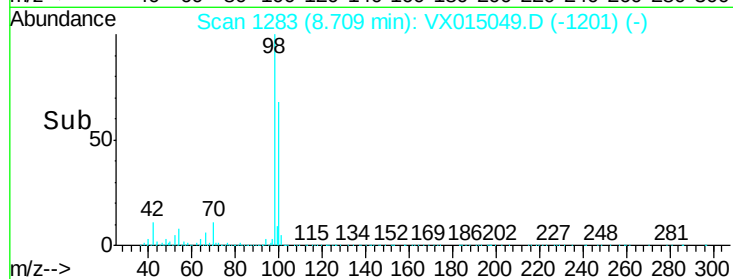
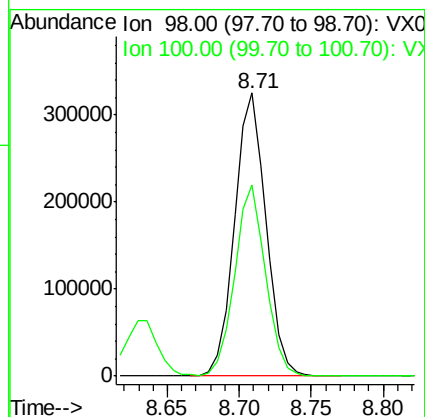
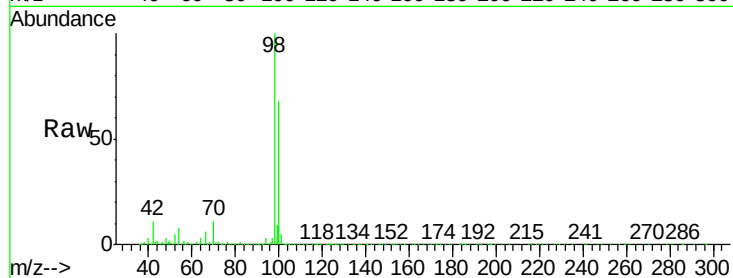
#63
Toluene-d8
Concen: 32.634 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
98	100			
100	65.7	52.8	79.2	

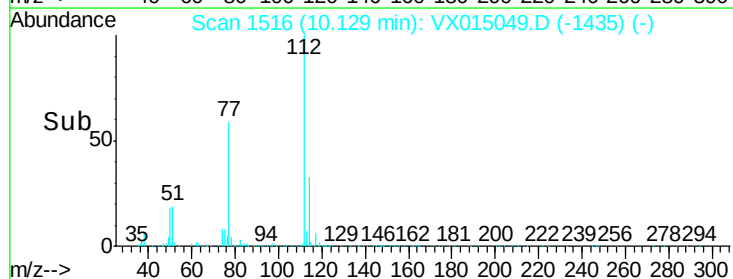
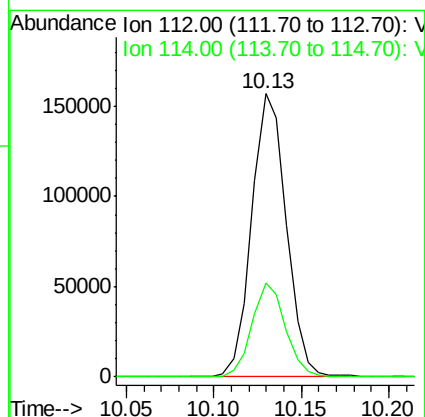
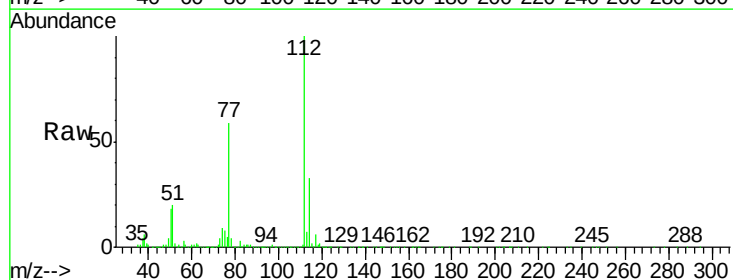
Manual Integrations
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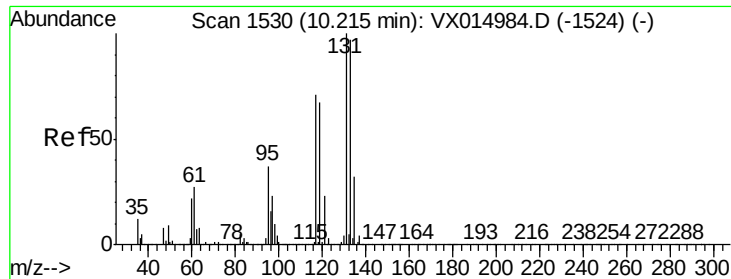
MMDadoda
3/2/2020 11:10:04 AM



#64
Chlorobenzene
Concen: 18.965 ug/l
RT: 10.13 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Tgt Ion	Ion	Ratio	Lower	Upper
112	100			
114	33.0	25.8	38.6	





#65

1,1,1,2-Tetrachloroethane

Concen: 18.778 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

Instrument :

MSVOA_X

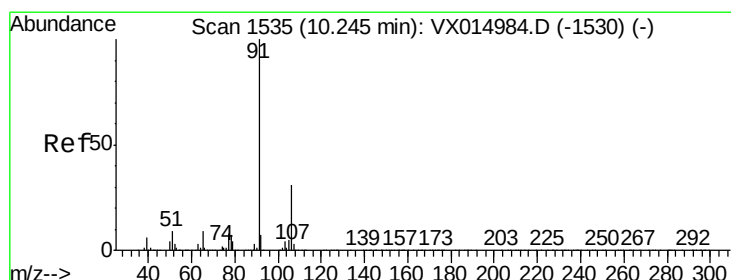
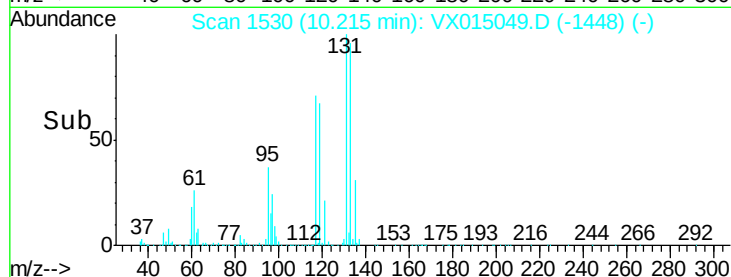
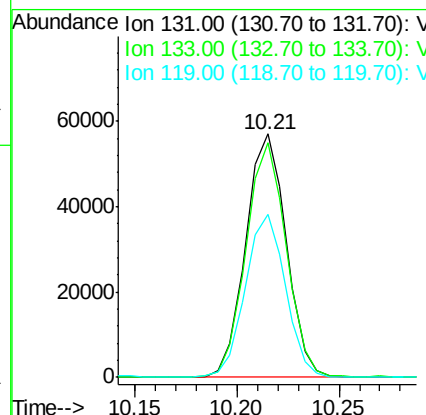
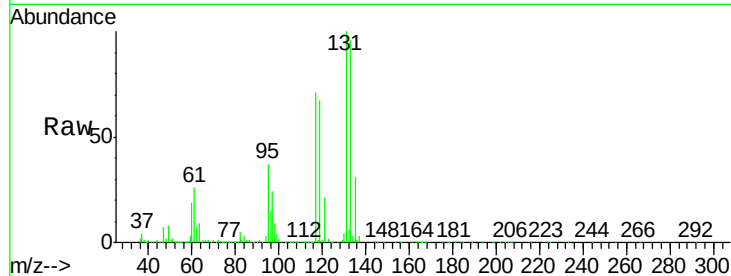
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	78840
Ion Ratio	Lower	Upper	
131	100		
133	95.5	0.0	191.4
119	66.4	0.0	132.0

Manual Integrations
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3/2/2020 11:10:04 AM



#66

Ethyl Benzene

Concen: 19.069 ug/l

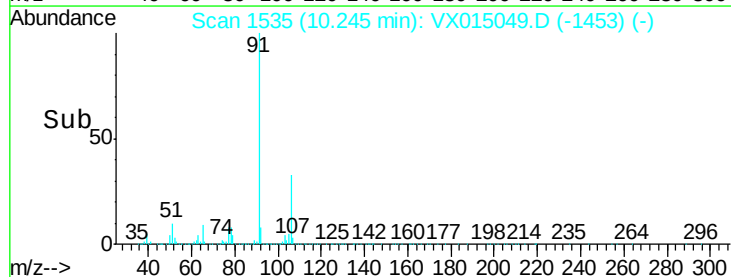
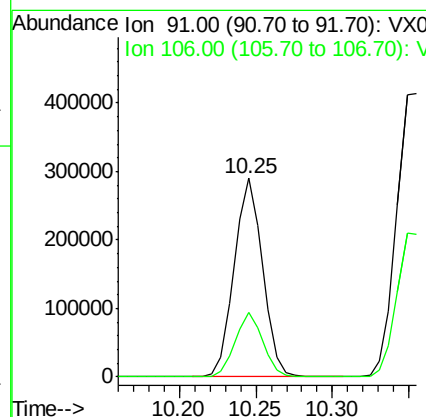
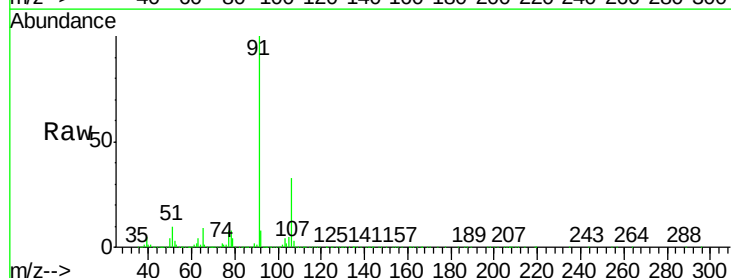
RT: 10.25 min Scan# 1535

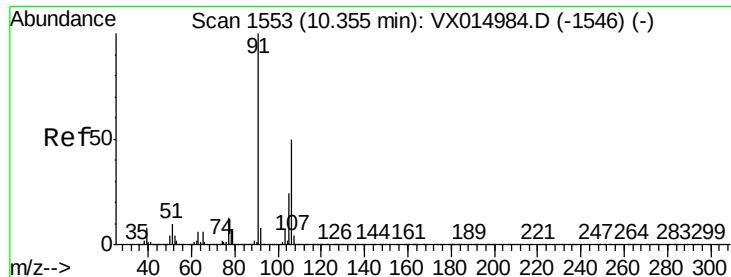
Delta R.T. 0.00 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

Tgt Ion:	91	Resp:	373029
Ion Ratio	Lower	Upper	
91	100		
106	32.5	24.7	37.1





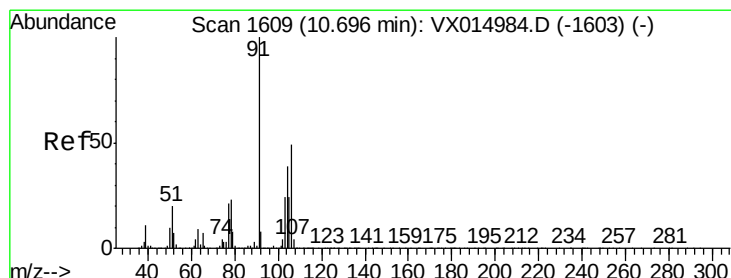
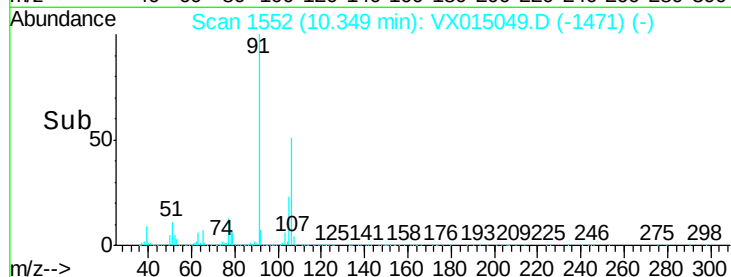
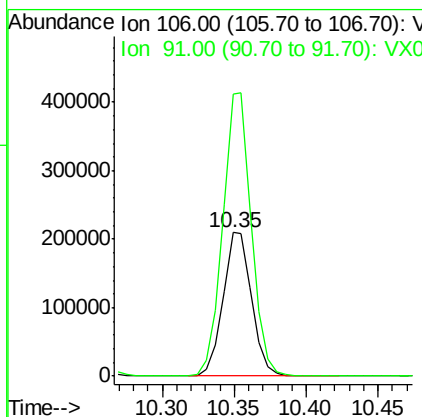
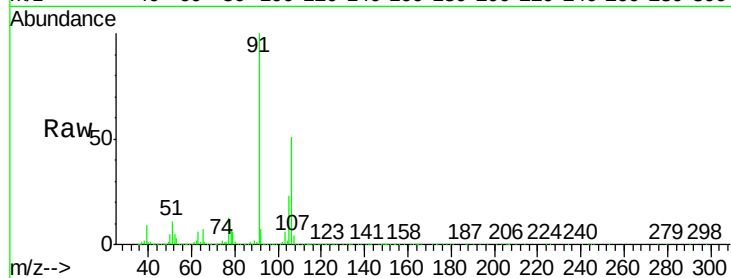
#67
m/p-Xylenes
Concen: 38.671 ug/l
RT: 10.35 min Scan# 1552
Delta R.T. -0.01 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
106	100	291712		
91	197.1	160.4	240.6	

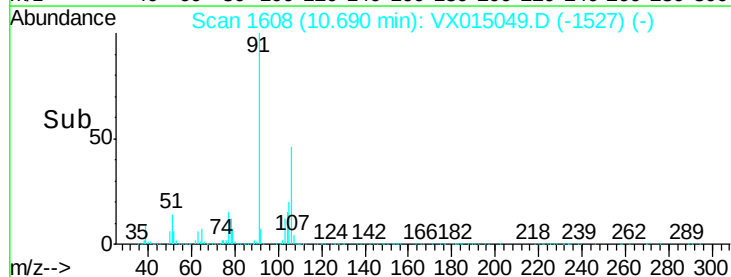
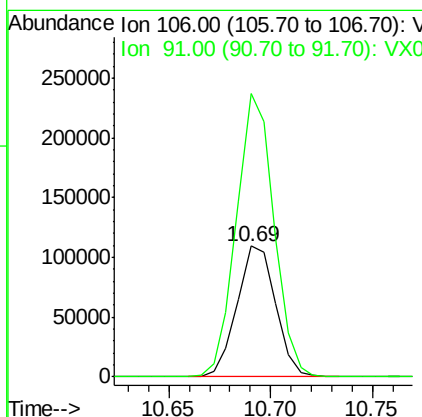
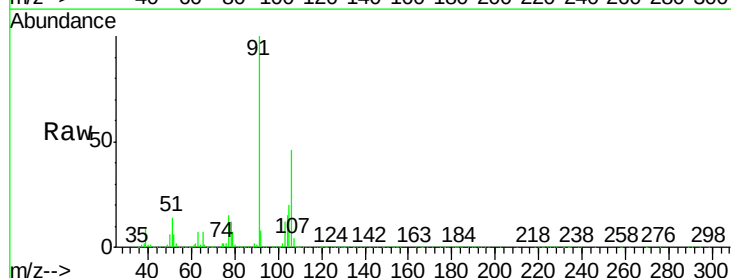
Manual Integrations
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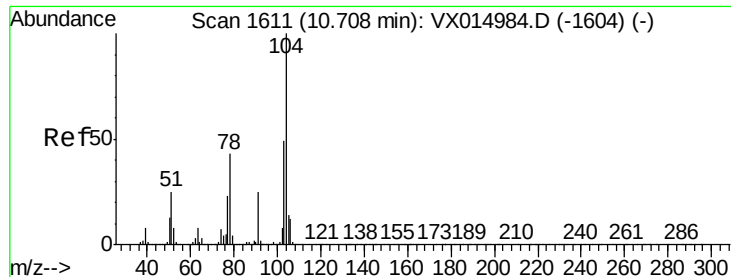
MMDadoda
3/2/2020 11:10:04 AM



#68
o-Xylene
Concen: 19.685 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	143678		
91	210.1	105.3	315.9	





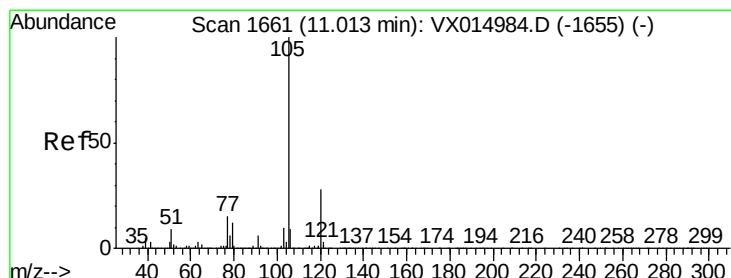
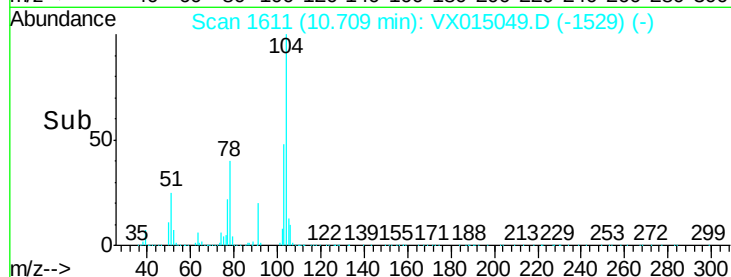
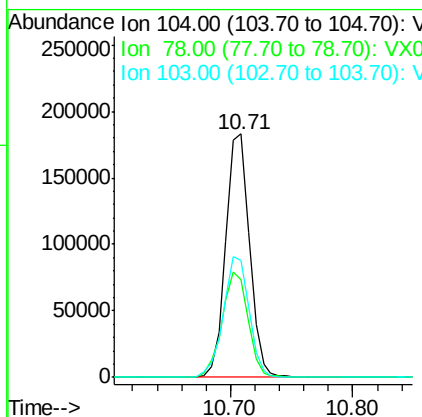
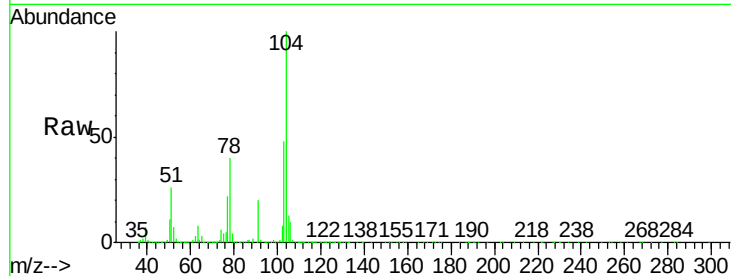
#69
Stvrene
Concen: 19.752 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
104	100		246225		
78	47.4	39.4	59.2		
103	53.7	42.9	64.3		

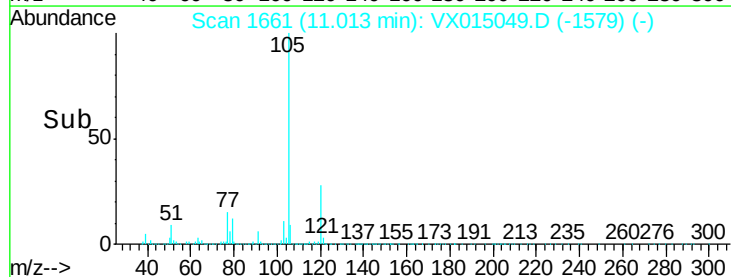
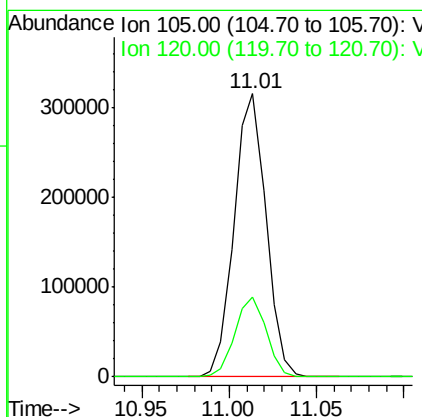
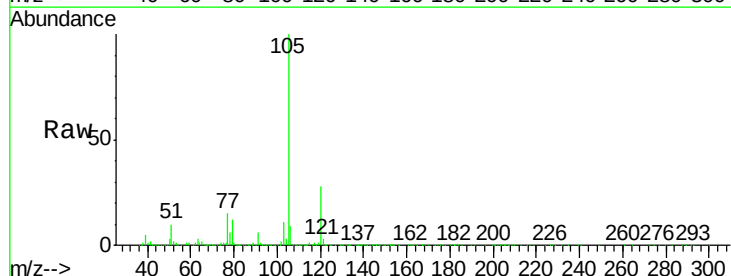
Manual Integrations
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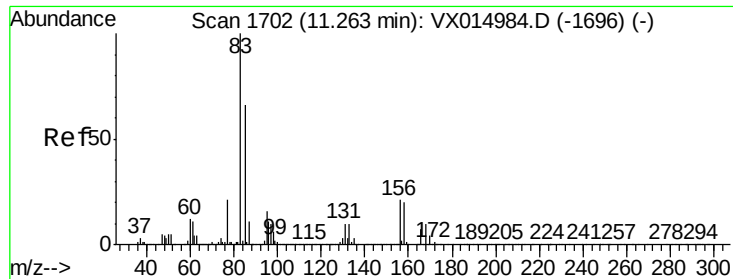
MMDadoda
3/2/2020 11:10:04 AM



#70
Isopropylbenzene
Concen: 20.627 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		399916		
120	27.7	18.8	35.0		





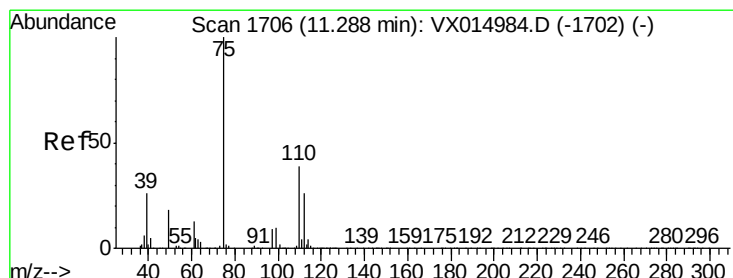
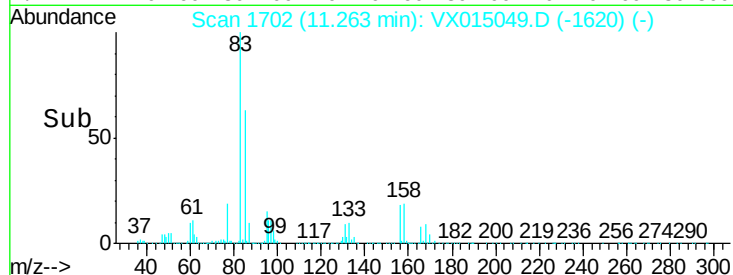
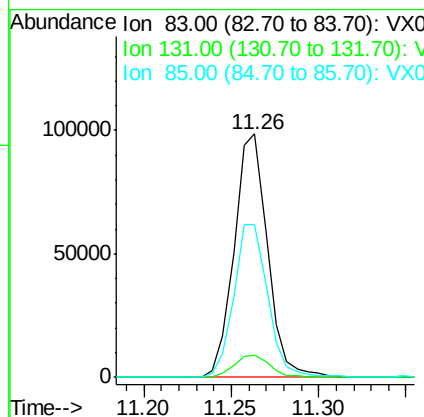
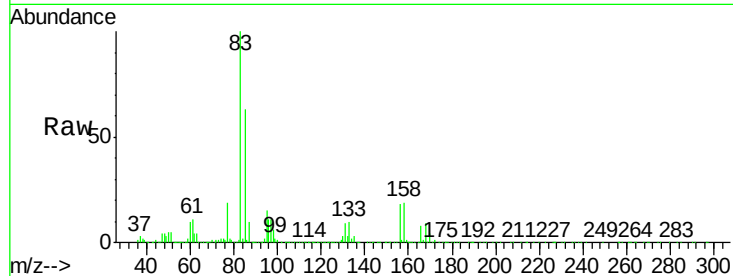
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.857 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX015049.D
 Acq: 28 Feb 2020 08:41

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	130194		
131	10.1	5.1	15.4	
85	64.4	32.2	96.6	

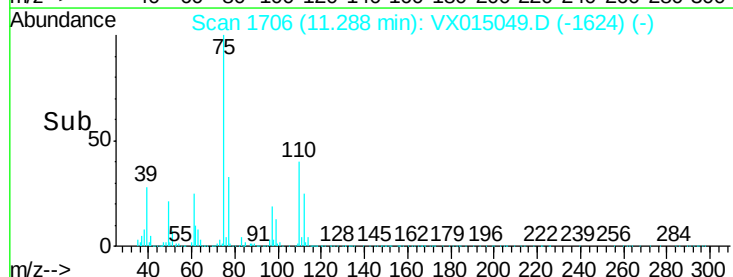
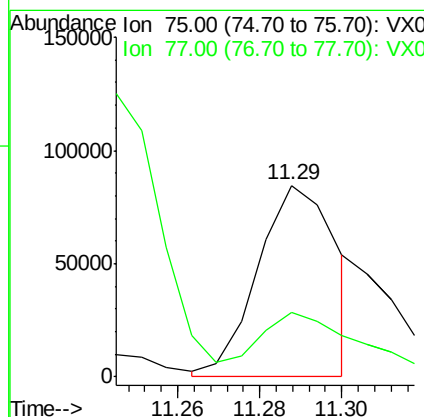
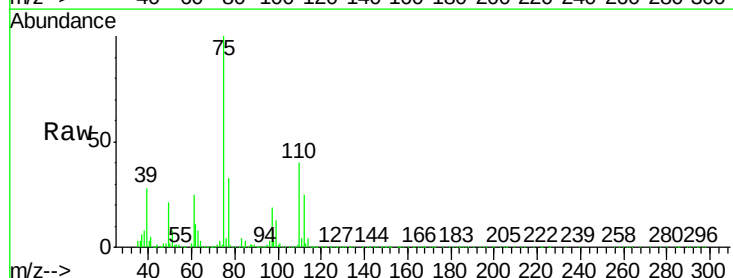
Manual Integrations
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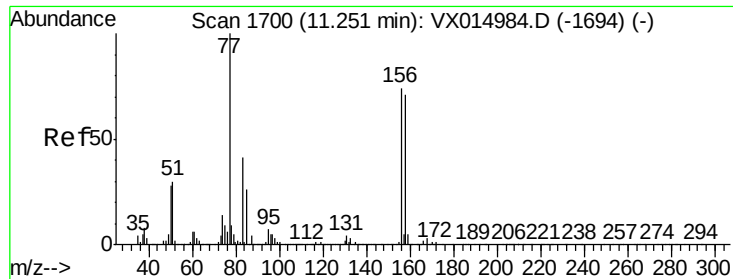
MMDadoda
 3/2/2020 11:10:04 AM



#72
 1,2,3-Trichloropropane
 Concen: 21.586 ug/l m
 RT: 11.29 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX015049.D
 Acq: 28 Feb 2020 08:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	111771		
77	43.5	0.0	75.4	





#73

Bromobenzene

Concen: 20.044 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

Instrument :

MSVOA_X

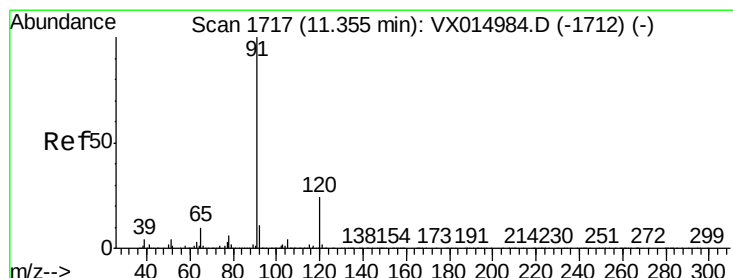
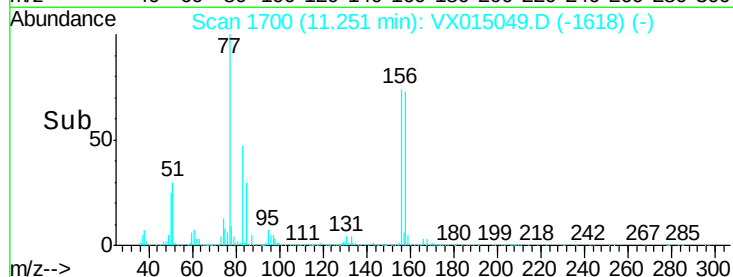
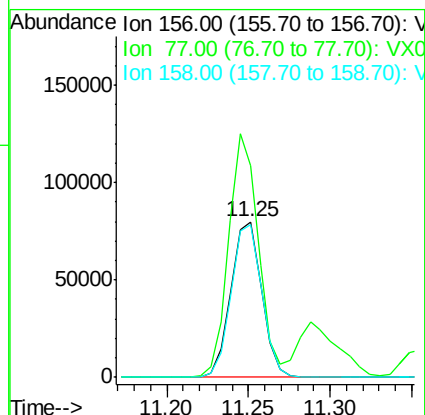
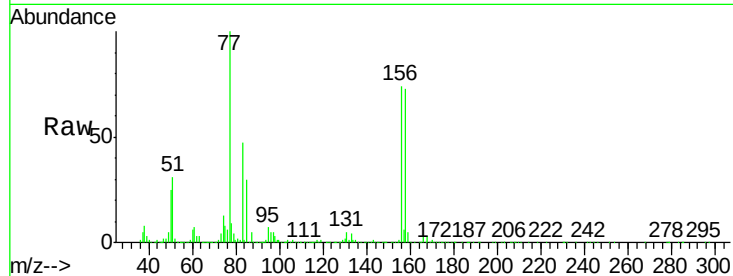
ClientSampleId :

VSTDCCC020

Tot Ion:	156	Resp:	105004
Ion Ratio	Lower	Upper	
156	100		
77	149.8	0.0	286.8
158	97.5	0.0	191.8

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3/2/2020 11:10:04 AM



#74

n-propylbenzene

Concen: 20.889 ug/l

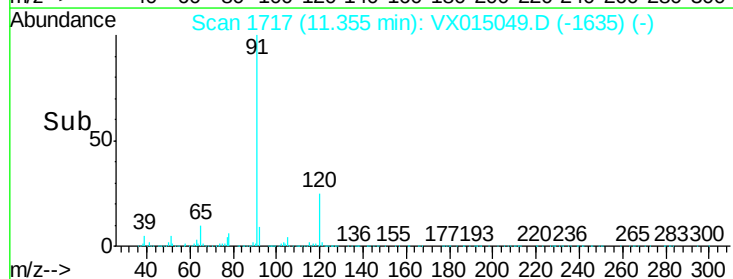
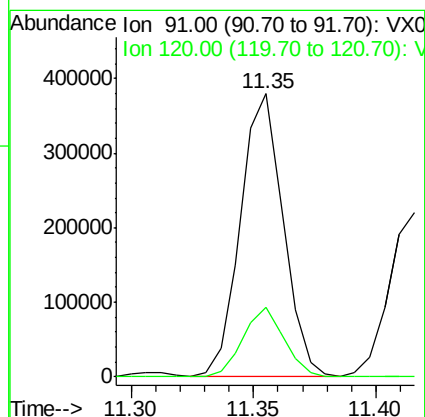
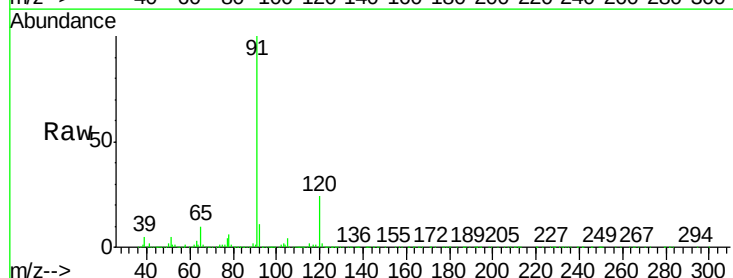
RT: 11.35 min Scan# 1717

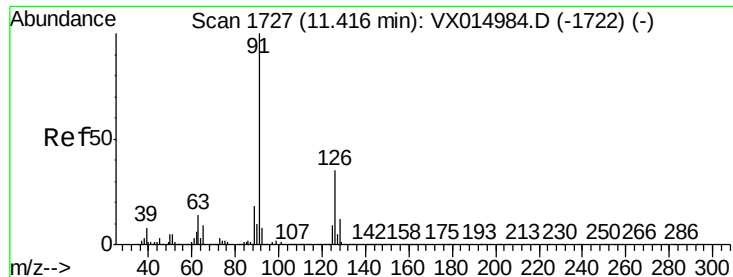
Delta R.T. 0.00 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

Tgt Ion:	91	Resp:	460934
Ion Ratio	Lower	Upper	
91	100		
120	23.9	0.0	47.0





#75

2-Chlorotoluene

Concen: 21.236 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 91 Resp: 276917

Ion Ratio Lower Upper

91 100

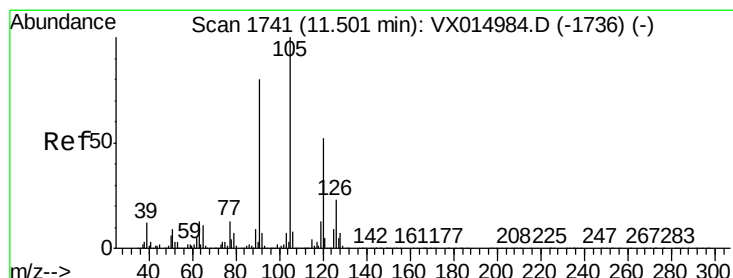
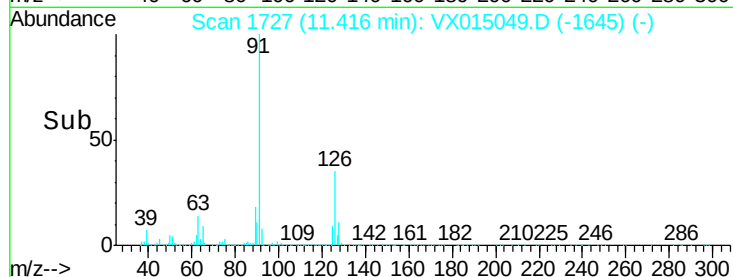
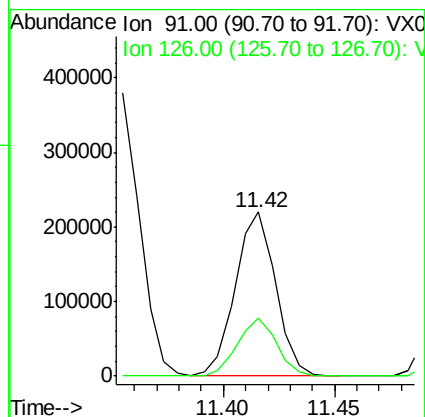
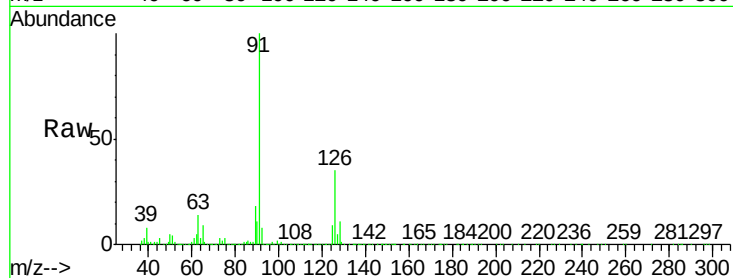
126 34.7 0.0 69.0

Manual Integrations

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3/2/2020 11:10:04 AM



#76

1,3,5-Trimethylbenzene

Concen: 20.354 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX015049.D

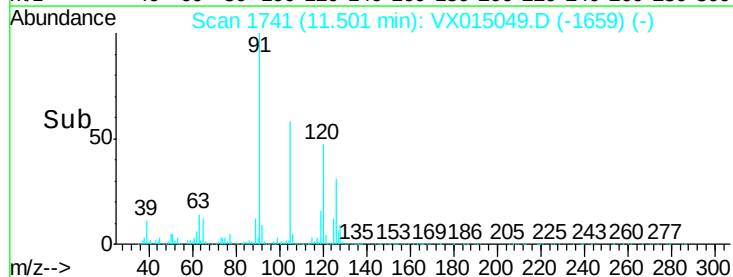
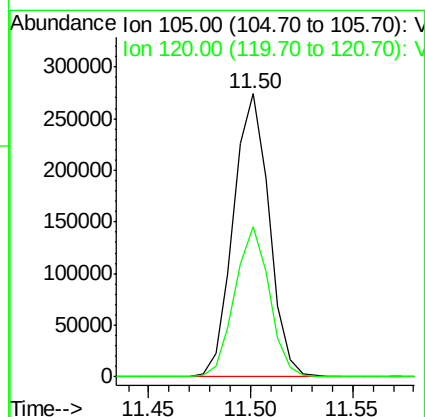
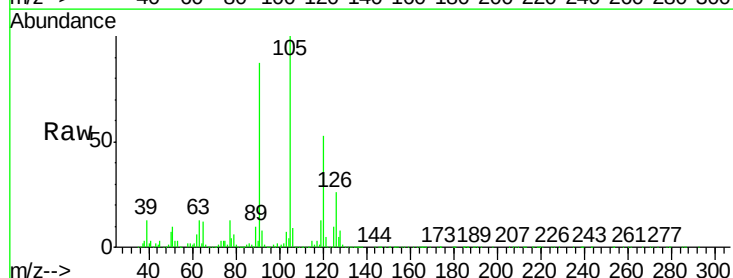
Acq: 28 Feb 2020 08:41

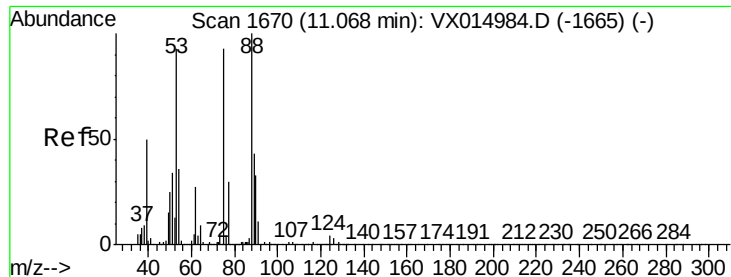
Tgt Ion: 105 Resp: 330712

Ion Ratio Lower Upper

105 100

120 51.6 0.0 101.0





#77

t-1,4-Dichloro-2-butene

Concen: 19.347 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

Instrument :

MSVOA_X

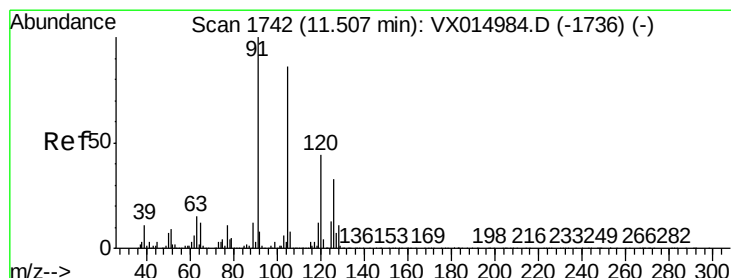
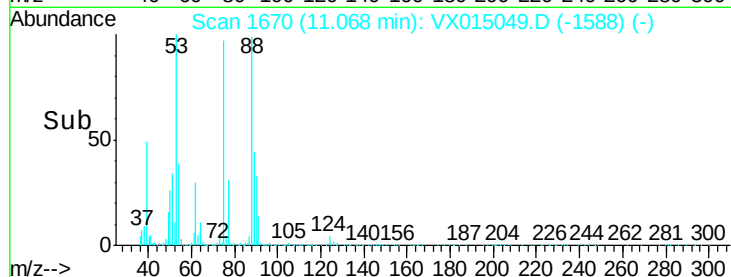
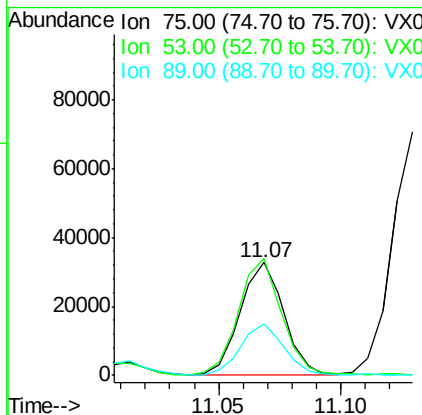
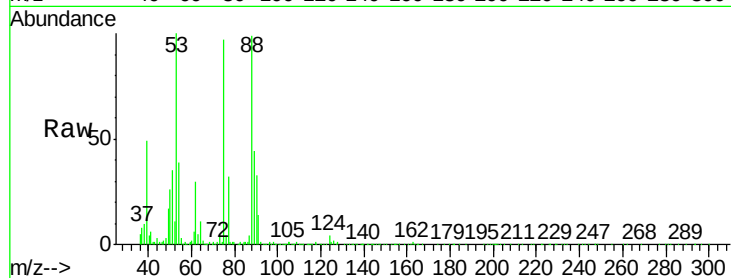
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	40396
Ion	Ratio	Lower	Upper
75	100		
53	103.2	50.0	149.8
89	45.0	23.5	70.5

Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:10:04 AM



#78

4-Chlorotoluene

Concen: 20.987 ug/l

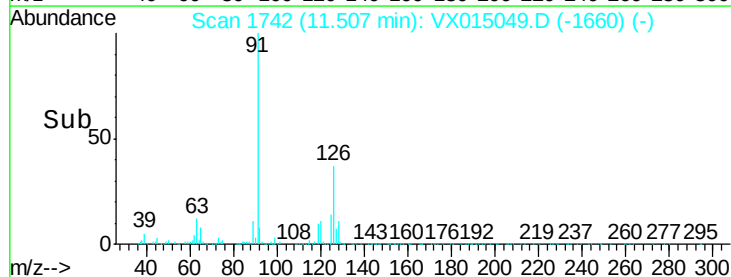
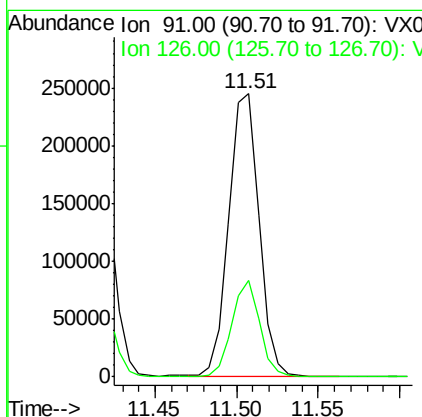
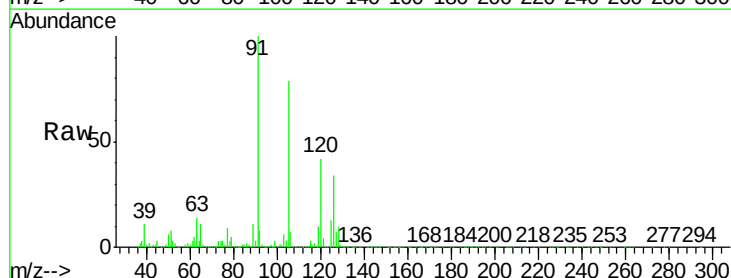
RT: 11.51 min Scan# 1742

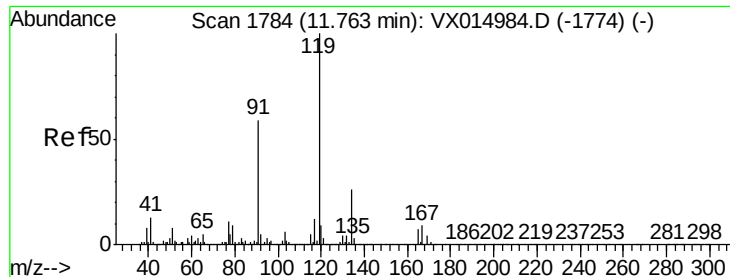
Delta R.T. 0.00 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

Tgt Ion:	91	Resp:	316565
Ion	Ratio	Lower	Upper
91	100		
126	31.0	0.0	62.0





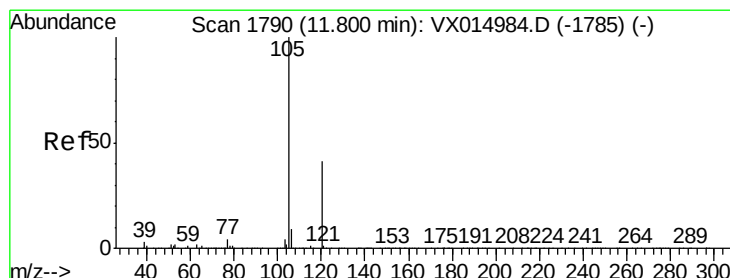
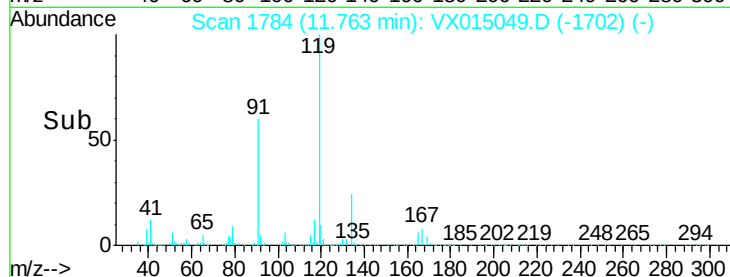
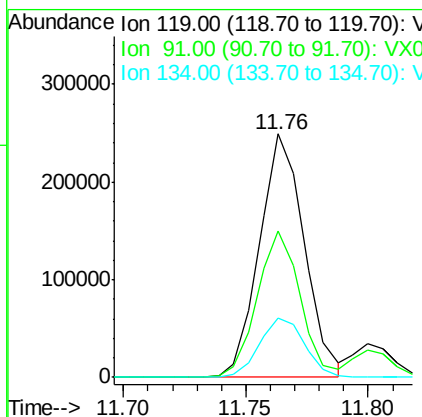
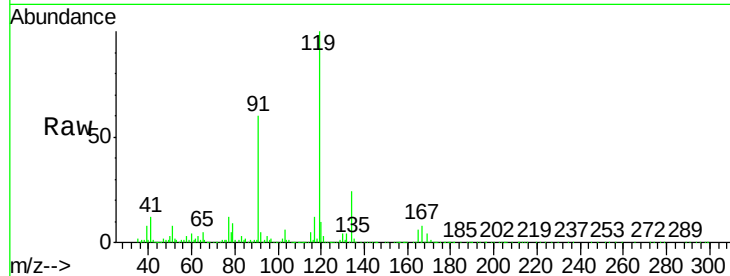
#79
tert-butylbenzene
Concen: 20.212 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	317279		
91	57.3	0.0	114.4	
134	24.8	0.0	48.8	

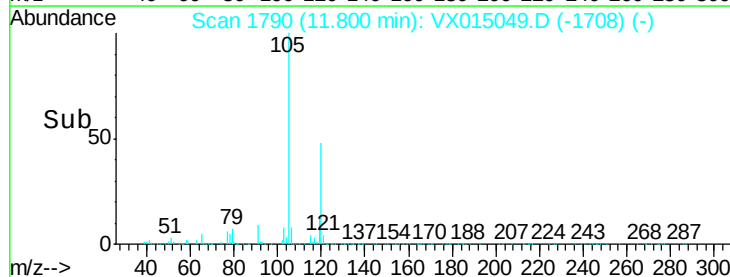
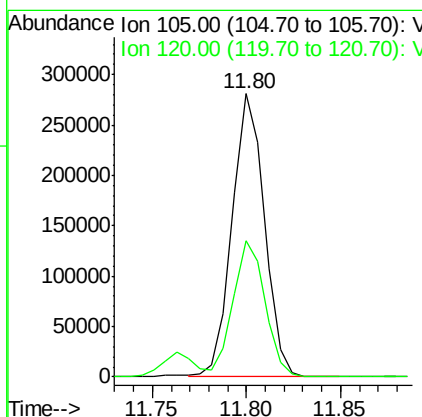
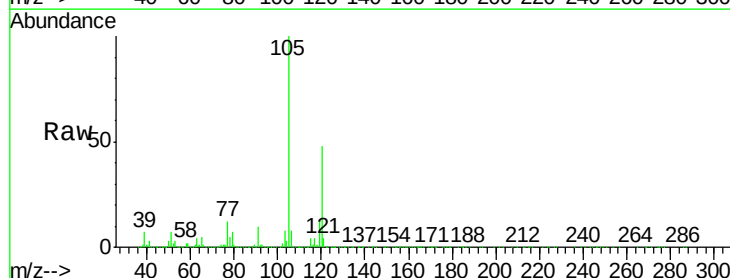
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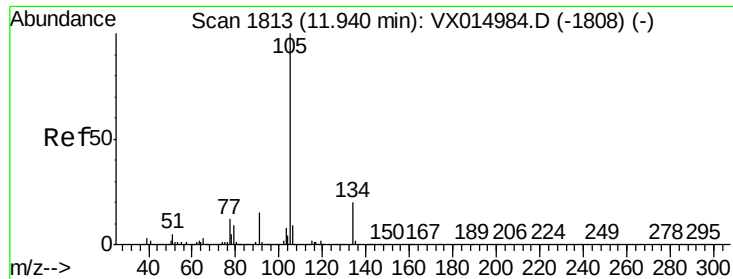
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#80
1,2,4-Trimethylbenzene
Concen: 20.655 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	333654		
120	47.3	0.0	93.4	





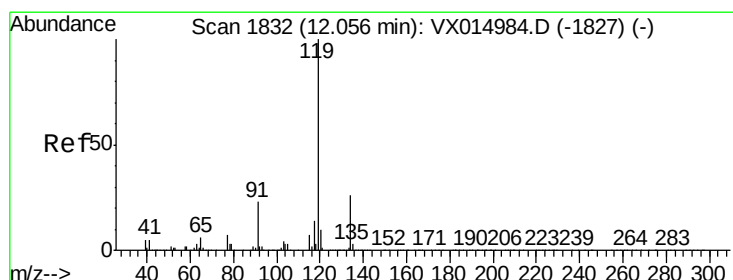
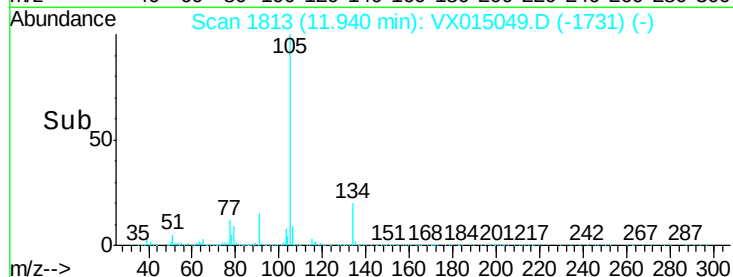
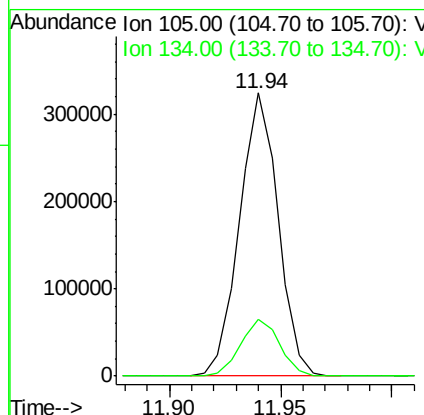
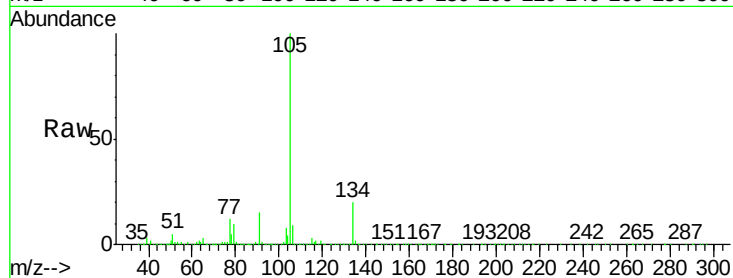
#81
 sec-Butylbenzene
 Concen: 20.831 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX015049.D
 Acq: 28 Feb 2020 08:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	391609		
134	20.4	0.0	40.8	

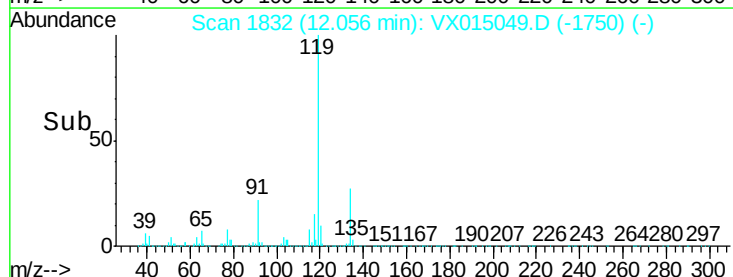
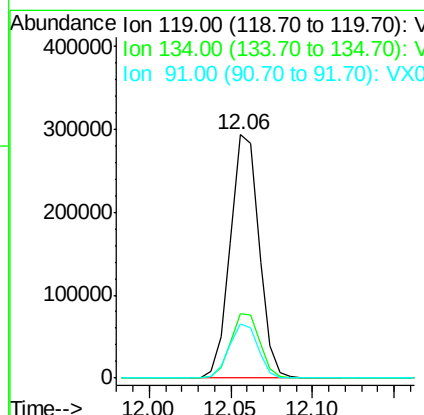
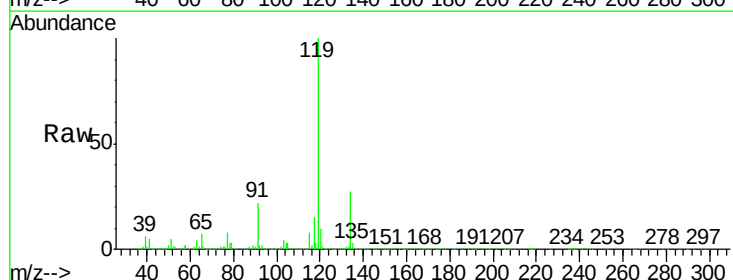
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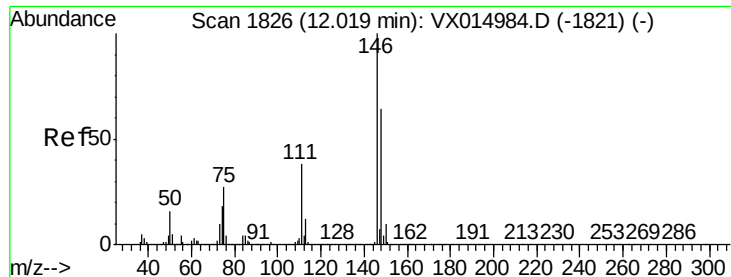
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#82
 p-Isopropyltoluene
 Concen: 20.663 ug/l
 RT: 12.06 min Scan# 1832
 Delta R.T. 0.00 min
 Lab File: VX015049.D
 Acq: 28 Feb 2020 08:41

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	360879		
134	27.1	0.0	53.2	
91	22.2	0.0	44.6	





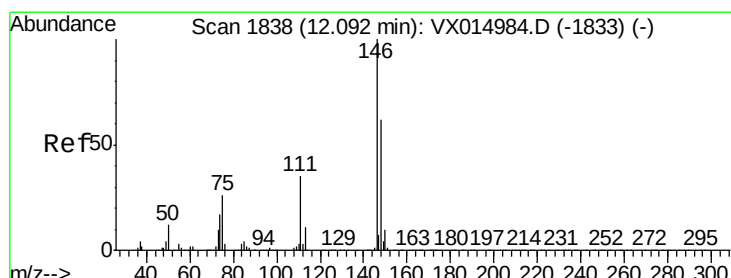
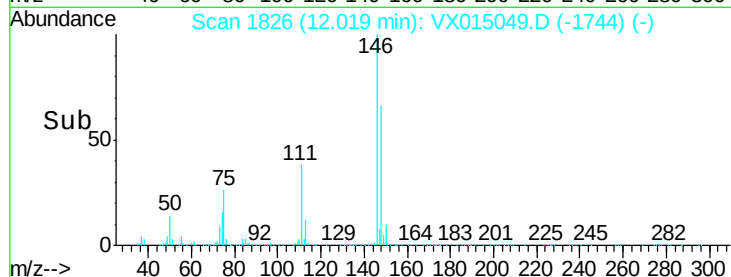
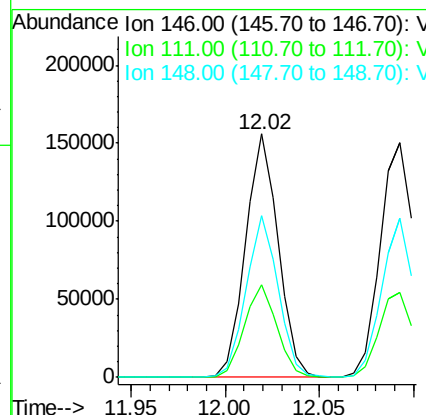
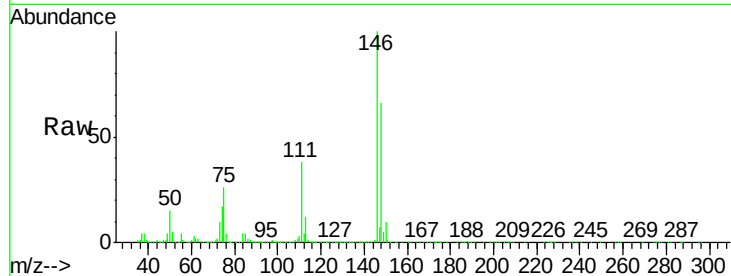
#83
1,3-Dichlorobenzene
Concen: 20.380 ug/l
RT: 12.02 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.3	57.9
148	65.6	32.3	96.9

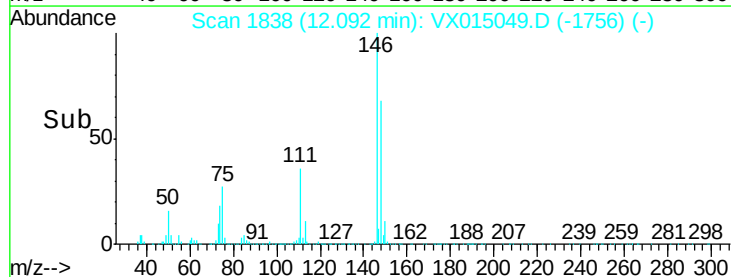
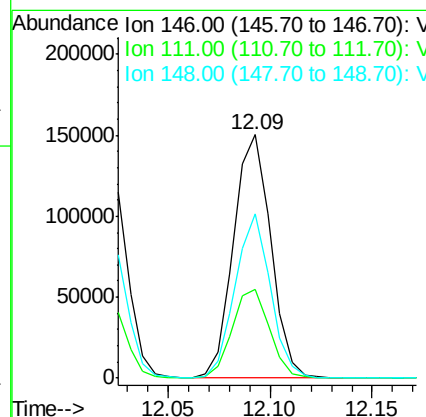
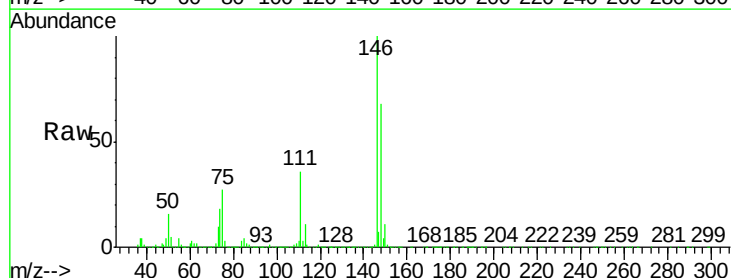
Manual Integrations
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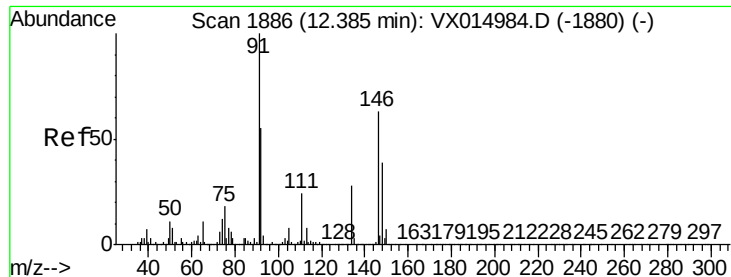
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#84
1,4-Dichlorobenzene
Concen: 20.444 ug/l
RT: 12.09 min Scan# 1838
Delta R.T. 0.00 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	17.8	53.5
148	64.4	31.4	94.2





#85

n-Butylbenzene

Concen: 20.365 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

Instrument :

MSVOA_X

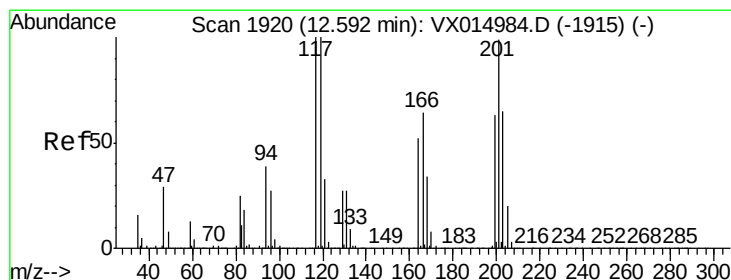
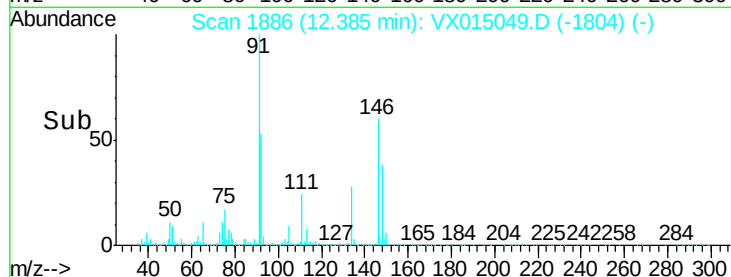
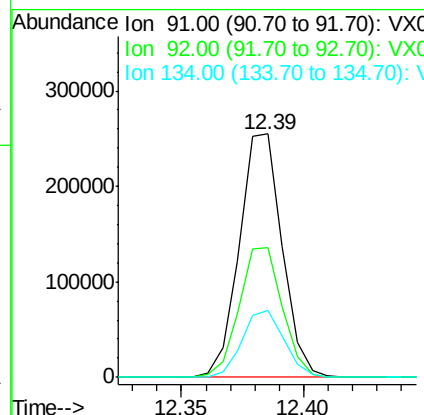
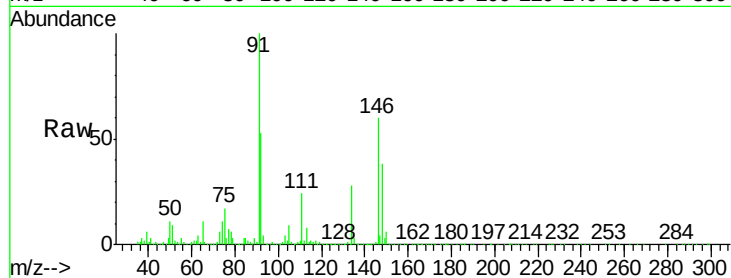
ClientSampleId :

VSTDCCC020

Tot Ion:	91	Resp:	309510
Ion Ratio	Lower	Upper	
91	100		
92	53.7	0.0	109.8
134	26.9	0.0	54.8

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#86

Hexachloroethane

Concen: 19.723 ug/l

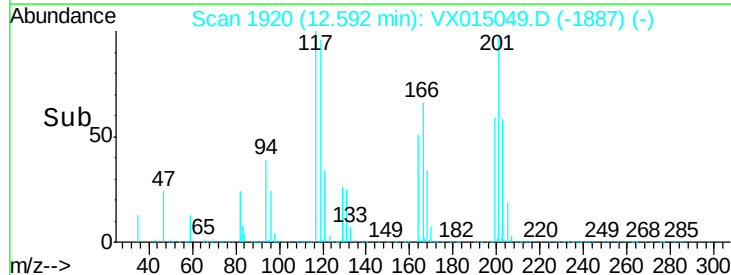
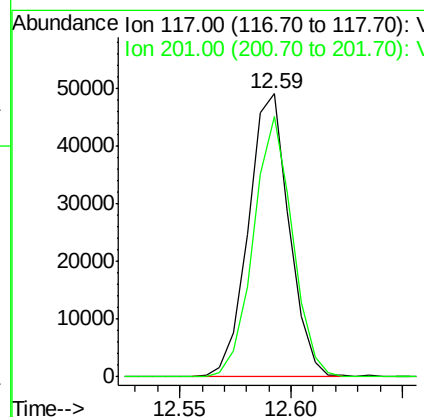
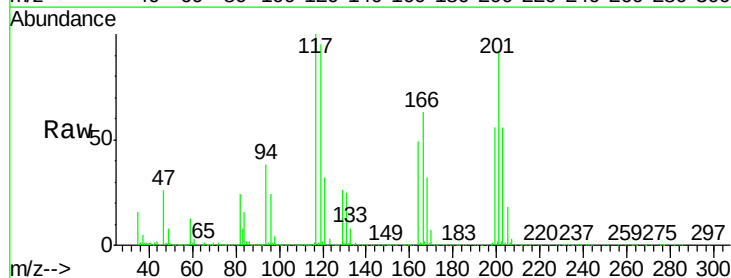
RT: 12.59 min Scan# 1920

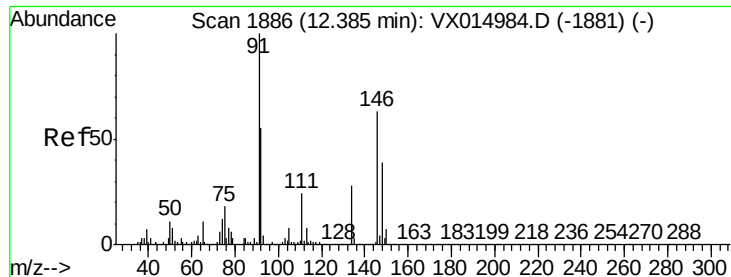
Delta R.T. 0.00 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

Tgt Ion:	117	Resp:	62264
Ion Ratio	Lower	Upper	
117	100		
201	88.6	45.6	136.7





#87

1,2-Dichlorobenzene

Concen: 20.485 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX015049.D

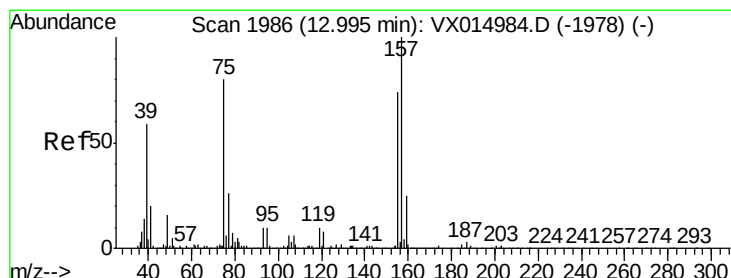
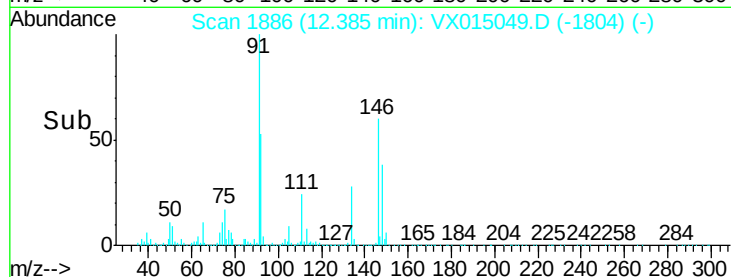
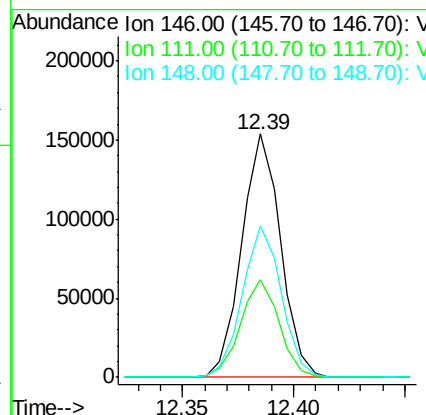
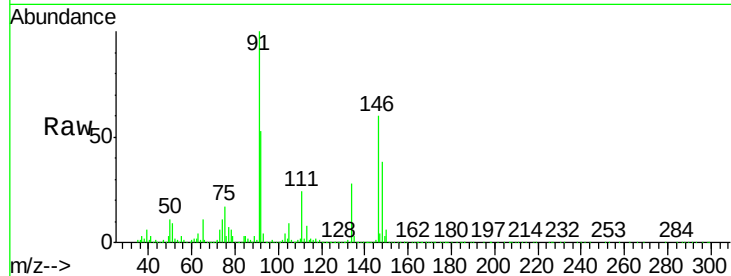
Acq: 28 Feb 2020 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.1
148	62.6	32.0	96.0

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#88

1,2-Dibromo-3-Chloropropane

Concen: 19.698 ug/l

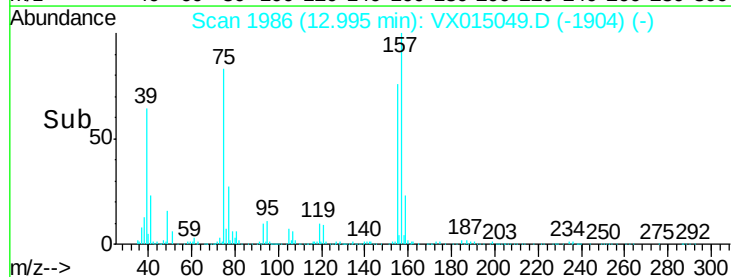
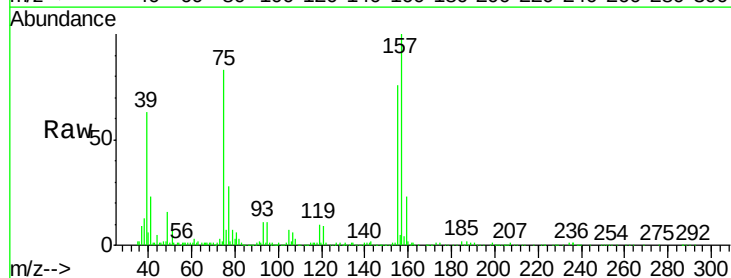
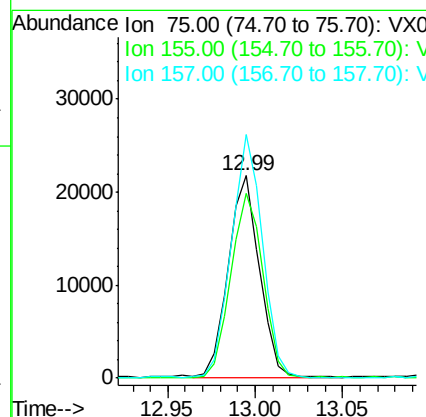
RT: 12.99 min Scan# 1986

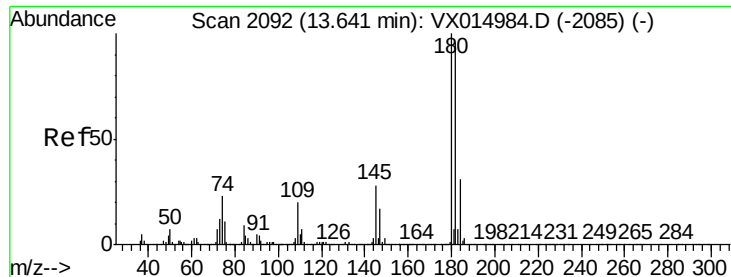
Delta R.T. 0.00 min

Lab File: VX015049.D

Acq: 28 Feb 2020 08:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.2	74.5	111.7
157	121.7	96.2	144.4





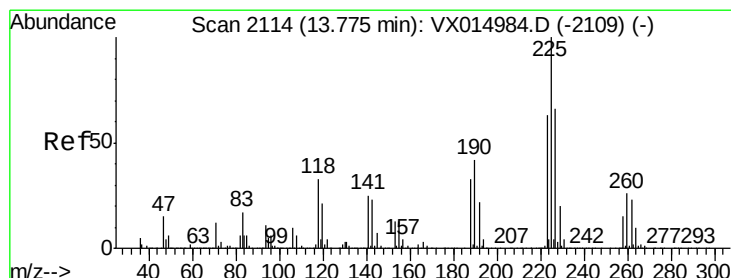
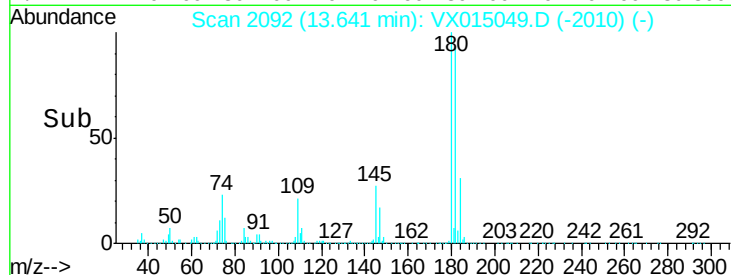
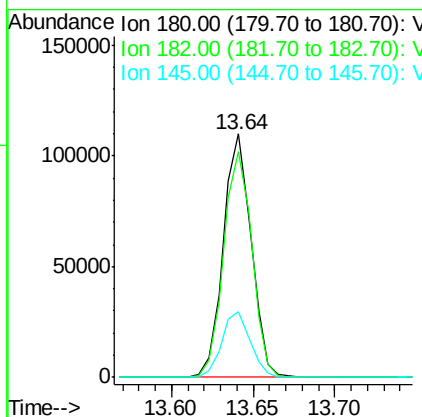
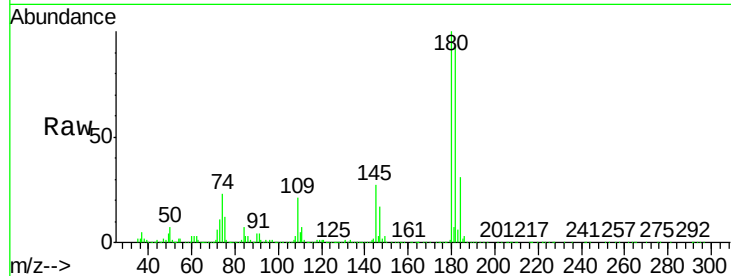
#89
1,2,4-Trichlorobenzene
Concen: 19.887 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	130692		
182	94.2	76.4	114.6	
145	27.7	21.8	32.6	

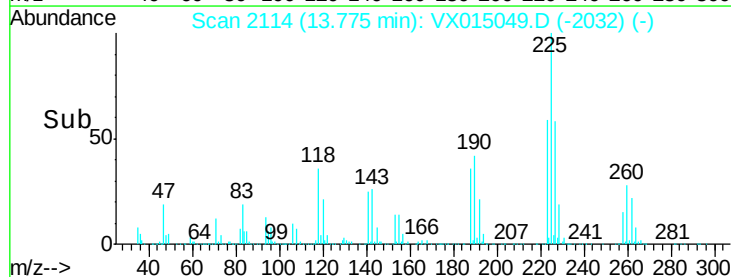
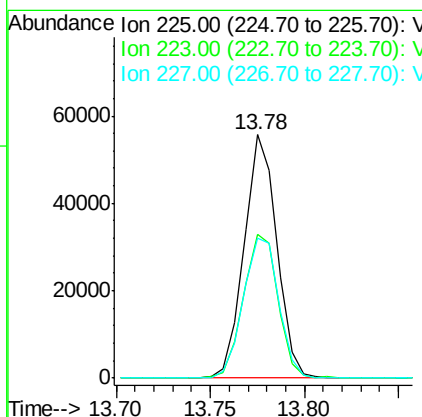
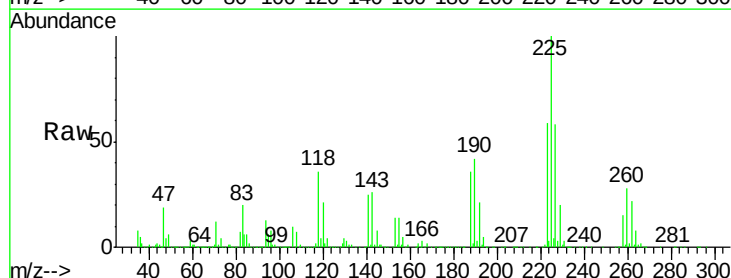
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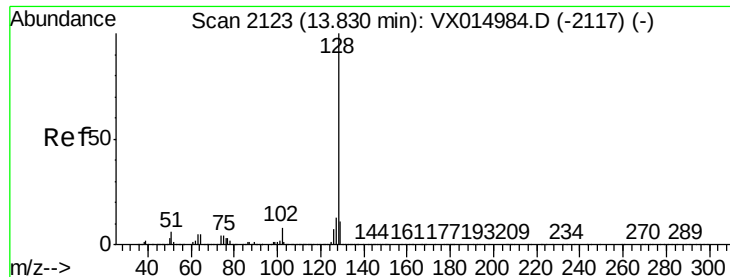
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#90
Hexachlorobutadiene
Concen: 20.464 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66786		
223	62.8	0.0	132.0	
227	62.8	0.0	131.0	





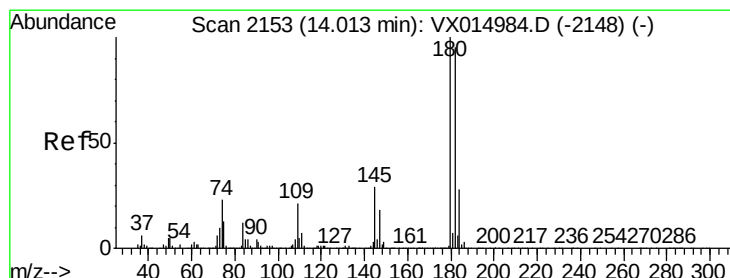
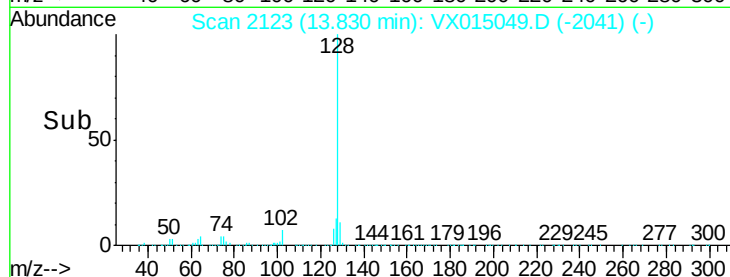
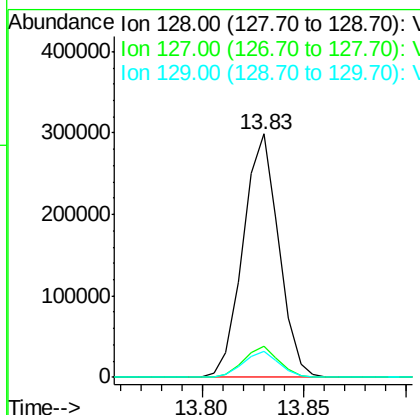
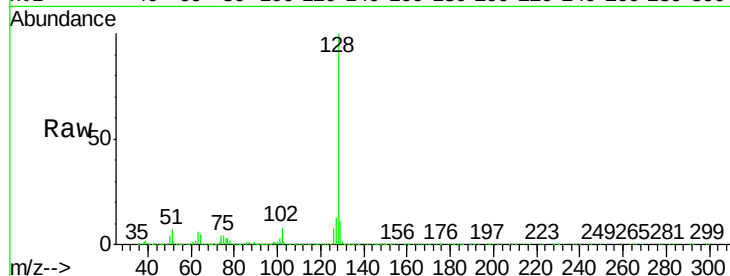
#91
Naphthalene
Concen: 19.481 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.9	8.6	13.0

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#92
1,2,3-Trichlorobenzene
Concen: 20.171 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX015049.D
Acq: 28 Feb 2020 08:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	0.0	192.4
145	30.4	0.0	60.4

