

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022720\
 Data File : VN060265.D
 Acq On : 27 Feb 2020 11:51
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 12:31:14 PM

Quant Time: Feb 27 12:29:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 12:09:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	227467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	371535	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	344078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	175165	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	286818	103.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.92%	
35) Dibromofluoromethane	7.56	113	151369	70.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.72%	
50) Toluene-d8	10.08	98	868878	98.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.84%	
62) 4-Bromofluorobenzene	12.40	95	336101	102.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	198692	89.262	ug/l	99
3) Chloromethane	2.04	50	323932	114.558	ug/l	98
4) Vinyl Chloride	2.16	62	289202	94.393	ug/l	99
5) Bromomethane	2.53	94	122163	68.536	ug/l	99
6) Chloroethane	2.68	64	157377	99.803	ug/l	96
7) Trichlorofluoromethane	3.00	101	373528	94.084	ug/l	100
8) Diethyl Ether	3.38	74	143605	106.608	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	213893	96.623	ug/l	99
10) Methyl Iodide	3.93	142	212006	83.216	ug/l	100
11) Tert butyl alcohol	4.73	59	212436	509.391	ug/l	100
12) 1,1-Dichloroethene	3.72	96	213497	98.584	ug/l	99
13) Acrolein	3.57	56	208466	504.195	ug/l	100
14) Allyl chloride	4.29	41	358294	107.428	ug/l	92
15) Acrylonitrile	4.94	53	584169	566.673	ug/l	99
16) Acetone	3.78	43	458383	399.307	ug/l	99
17) Carbon Disulfide	4.03	76	563754	87.891	ug/l	99
18) Methyl Acetate	4.28	43	291050	122.851	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	762630	103.952	ug/l	100
20) Methylene Chloride	4.52	84	242457	99.974	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	229905	97.965	ug/l	97
22) Diisopropyl ether	5.91	45	793161	111.133	ug/l	99
23) Vinyl Acetate	5.86	43	3205875	540.325	ug/l	100
24) 1,1-Dichloroethane	5.82	63	441921	103.616	ug/l	100
25) 2-Butanone	6.80	43	762385	507.288	ug/l	100
26) 2,2-Dichloropropane	6.80	77	401347	100.060	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	269106	97.722	ug/l	100
28) Bromochloromethane	7.17	49	180630	108.248	ug/l	99
29) Tetrahydrofuran	7.18	42	512750	540.474	ug/l	99
30) Chloroform	7.35	83	439964	99.582	ug/l	100
31) Cyclohexane	7.63	56	382859	96.706	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	394449	98.245	ug/l	99
36) 1,1-Dichloropropene	7.77	75	327309	95.450	ug/l	99
37) Ethyl Acetate	6.90	43	327352	103.955	ug/l	99
38) Carbon Tetrachloride	7.75	117	335619	90.968	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	388240	91.647	ug/l	99
40) Benzene	8.02	78	978289	95.816	ug/l	99
41) Methacrylonitrile	7.15	41	163259m	122.273	ug/l	
42) 1,2-Dichloroethane	8.10	62	354209	98.620	ug/l	100
43) Isopropyl Acetate	8.14	43	576182	106.651	ug/l	100
44) Trichloroethene	8.82	130	265675	94.225	ug/l	99
45) 1,2-Dichloropropane	9.10	63	262440	102.915	ug/l	100
46) Dibromomethane	9.19	93	167974	94.678	ug/l	99
47) Bromodichloromethane	9.39	83	351292	97.105	ug/l	98
48) Methyl methacrylate	9.18	41	263907	108.960	ug/l	99
49) 1,4-Dioxane	9.18	88	70818	1805.168	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1666131	535.481	ug/l	99
52) Toluene	10.14	92	621833	95.407	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	414801	101.014	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	433814	100.229	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	241347	94.877	ug/l	99
56) Ethyl methacrylate	10.42	69	394233	108.684	ug/l	100
57) 1,3-Dichloropropane	10.70	76	412022	97.578	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	991702	577.894	ug/l	100
59) 2-Hexanone	10.74	43	1234110	521.428	ug/l	99
60) Dibromochloromethane	10.89	129	270051	93.817	ug/l	99
61) 1,2-Dibromoethane	11.00	107	253857	95.939	ug/l	98
64) Tetrachloroethene	10.62	164	267196	100.459	ug/l	100
65) Chlorobenzene	11.43	112	659932	94.624	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	253211	96.186	ug/l	99
67) Ethyl Benzene	11.51	91	1222805	96.867	ug/l	100
68) m/p-Xylenes	11.62	106	917838	194.209	ug/l	99
69) o-Xylene	11.94	106	442639	97.291	ug/l	99
70) Styrene	11.96	104	761431	103.637	ug/l	100
71) Bromoform	12.12	173	199744	95.543	ug/l #	100
73) Isopropylbenzene	12.25	105	1198737	91.495	ug/l	99
74) N-amyl acetate	12.07	43	541094	112.173	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	338430	90.810	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	363942m	107.936	ug/l	
77) Bromobenzene	12.52	156	294424	91.016	ug/l	99
78) n-propylbenzene	12.59	91	1413868	94.378	ug/l	100
79) 2-Chlorotoluene	12.67	91	826798	93.888	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1022467	93.744	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	138624	100.677	ug/l #	90
82) 4-Chlorotoluene	12.77	91	865425	95.789	ug/l	100
83) tert-Butylbenzene	12.99	119	881891	91.304	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1036576	96.269	ug/l	100
85) sec-Butylbenzene	13.17	105	1195386	93.689	ug/l	100
86) p-Isopropyltoluene	13.29	119	1095875	94.740	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	539151	93.896	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	540625	94.236	ug/l	99
89) n-Butylbenzene	13.61	91	1018534	99.674	ug/l	100
90) Hexachloroethane	13.87	117	174374	83.312	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	512032	91.240	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	74385	85.856	ug/l	97

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ClientSampleId :
VSTDICC100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	349284	104.971	ug/l	100
94) Hexachlorobutadiene	15.01	225	159832	83.824	ug/l	99
95) Naphthalene	15.13	128	1038295	113.957	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	329571	99.887	ug/l	100

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

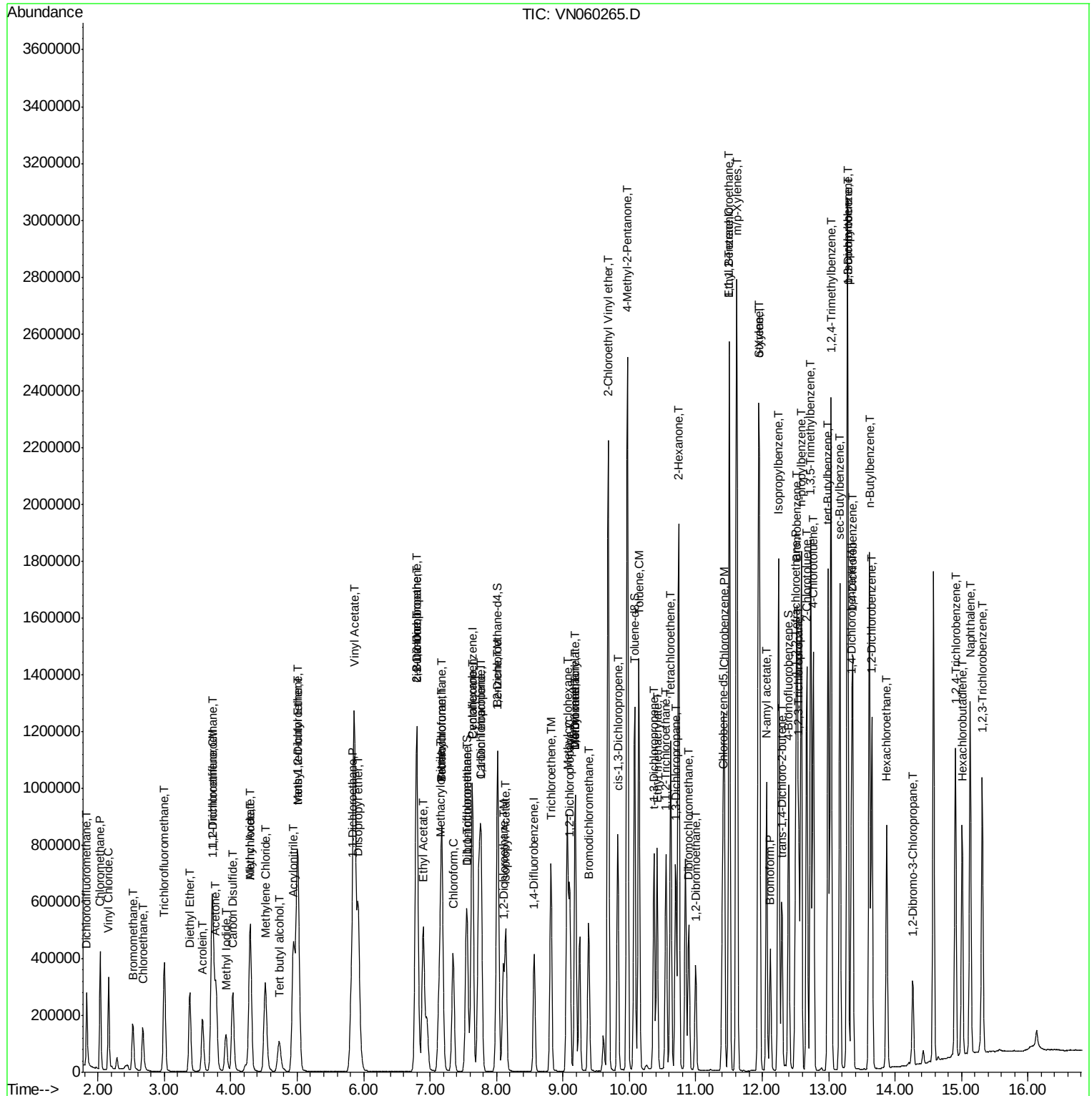
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022720\
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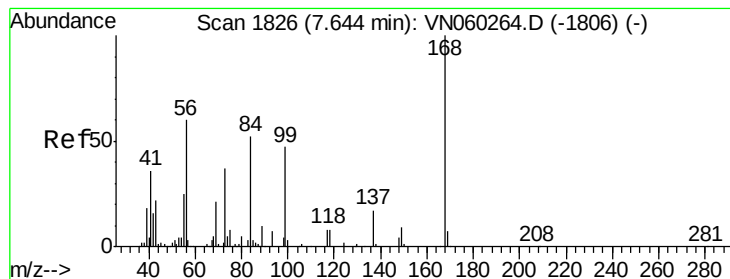
Instrument :
 MSVOA_N
 Client Sampled :
 VSTDICC100

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 227467

Ion Ratio Lower Upper

168 100

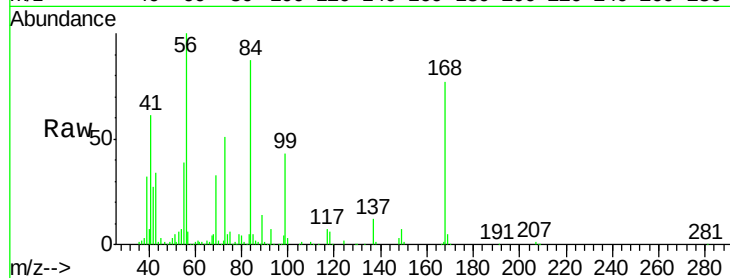
99 55.7 44.7 67.1

Manual Integrations

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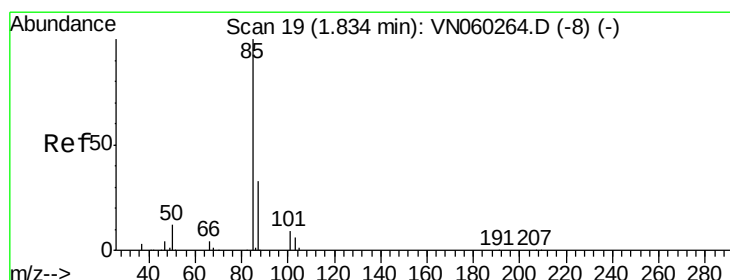
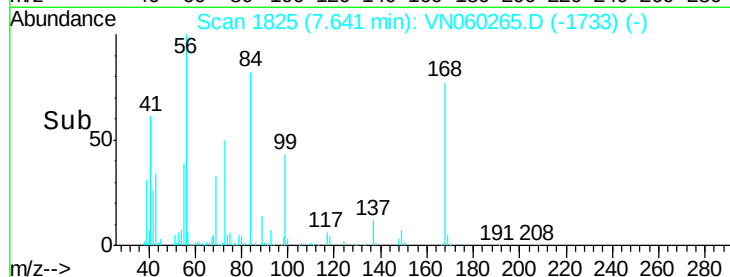
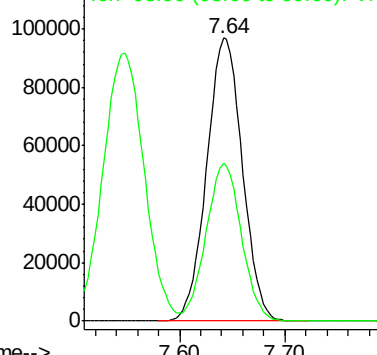
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 89.262 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060265.D

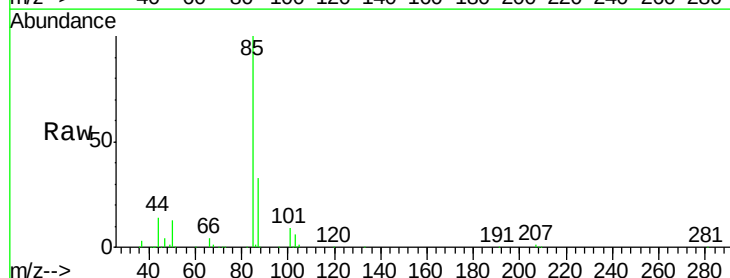
Acq: 27 Feb 2020 11:51

Tgt Ion: 85 Resp: 198692

Ion Ratio Lower Upper

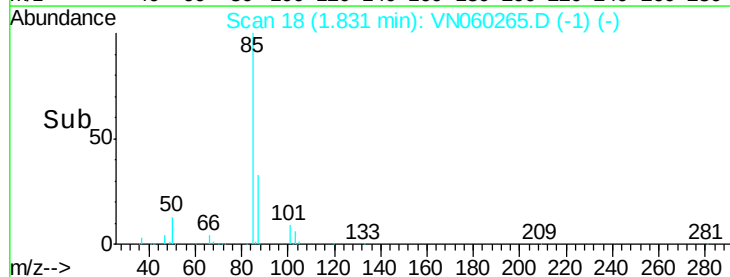
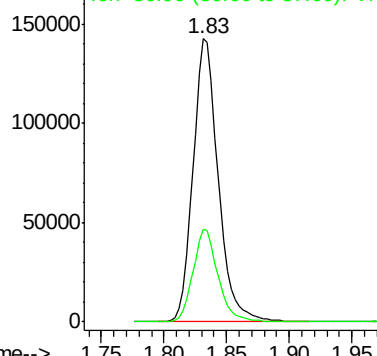
85 100

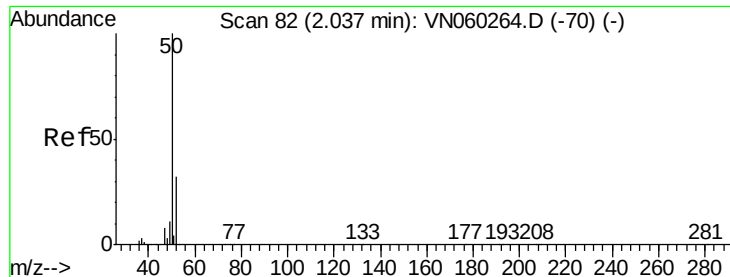
87 32.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 114.558 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 323932

Ion Ratio Lower Upper

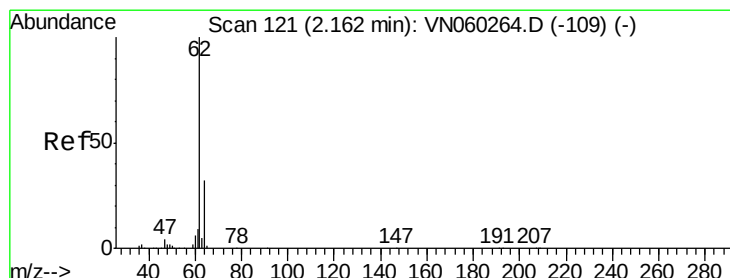
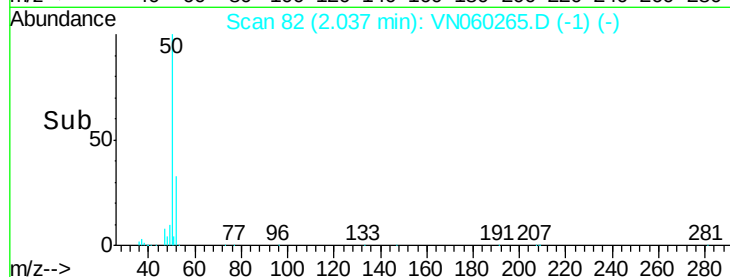
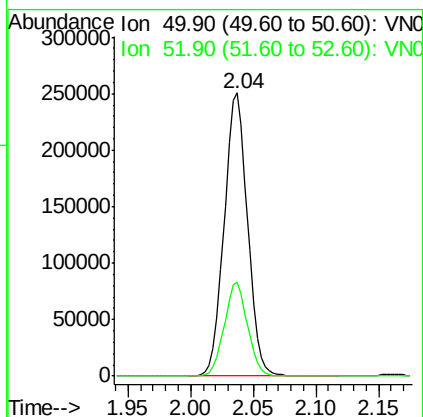
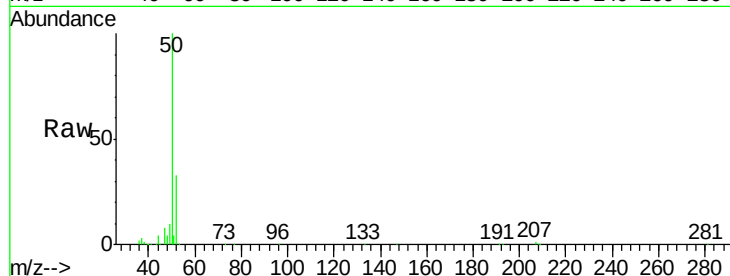
50 100

52 33.2 25.6 38.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 94.393 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060265.D

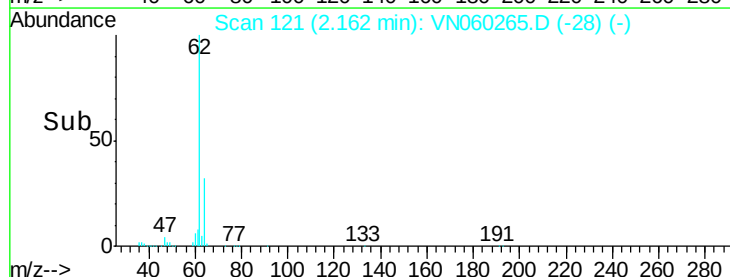
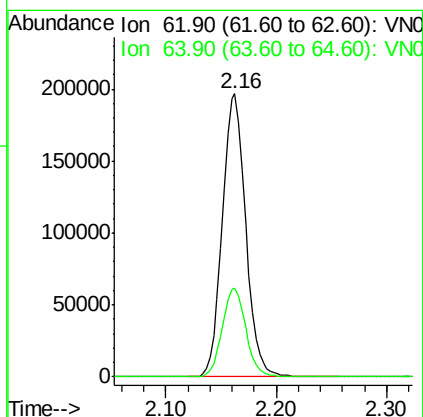
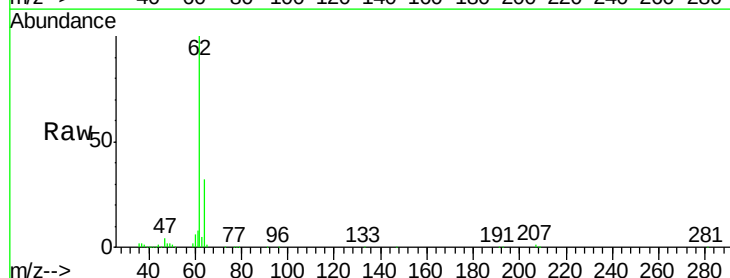
Acq: 27 Feb 2020 11:51

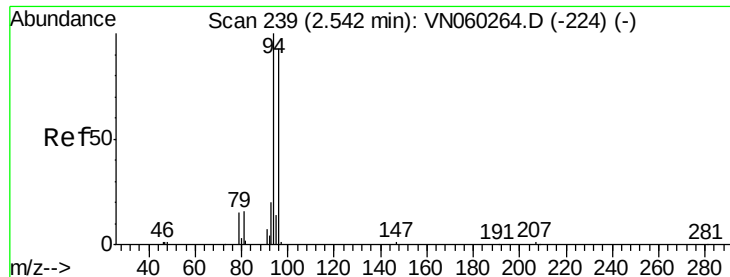
Tgt Ion: 62 Resp: 289202

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3





#5

Bromomethane

Concen: 68.536 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.02 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 122163

Ion Ratio Lower Upper

94 100

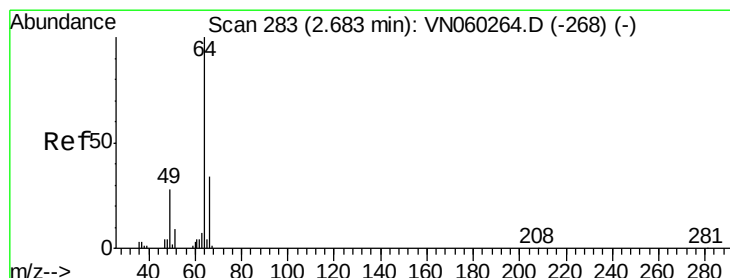
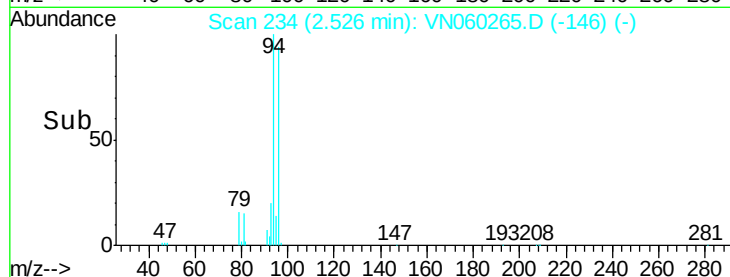
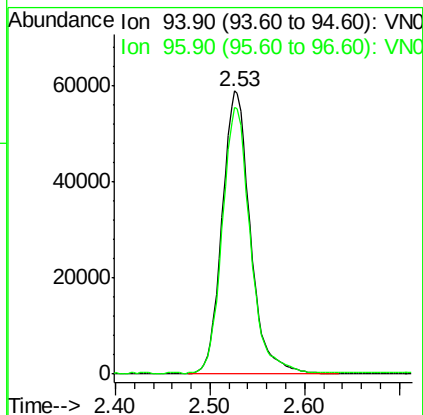
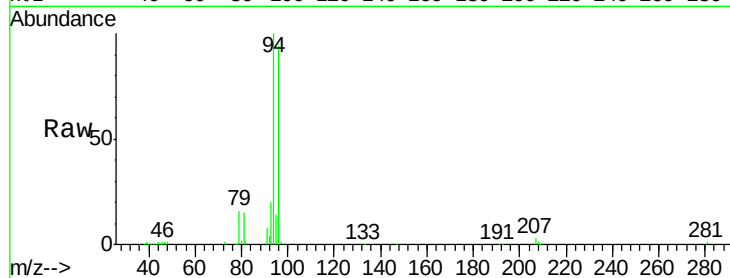
96 93.7 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 99.803 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN060265.D

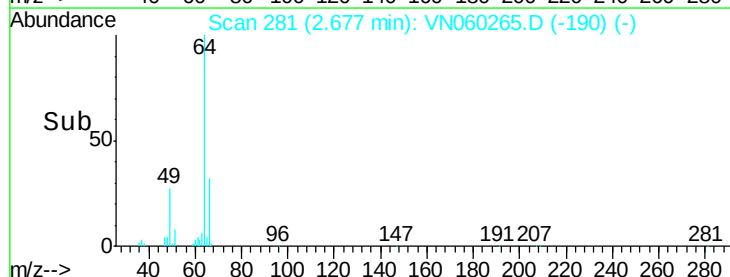
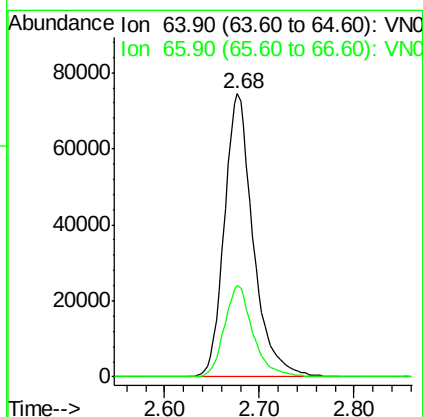
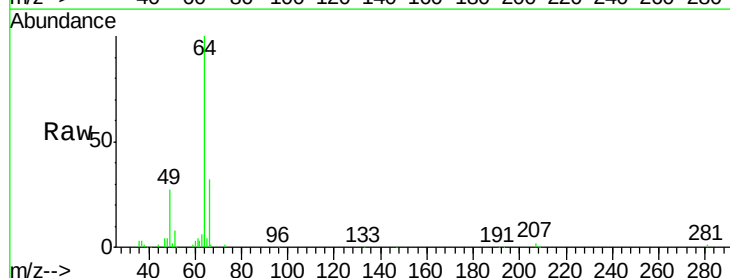
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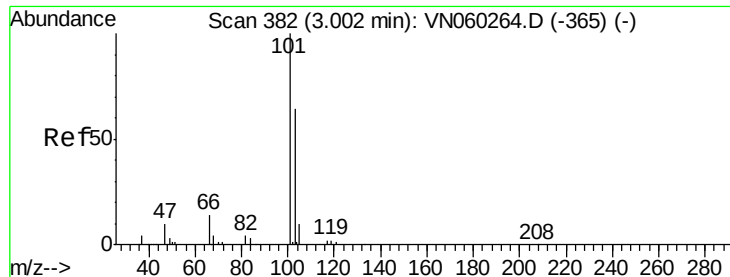
Tgt Ion: 64 Resp: 157377

Ion Ratio Lower Upper

64 100

66 32.3 27.4 41.2





#7

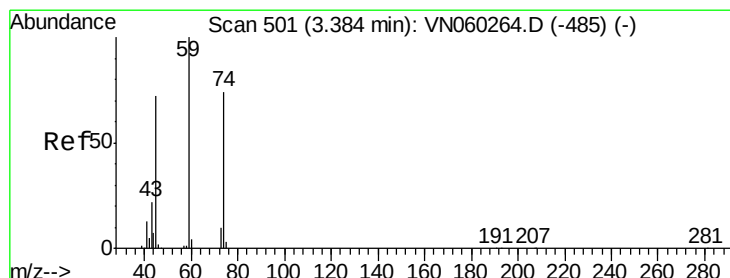
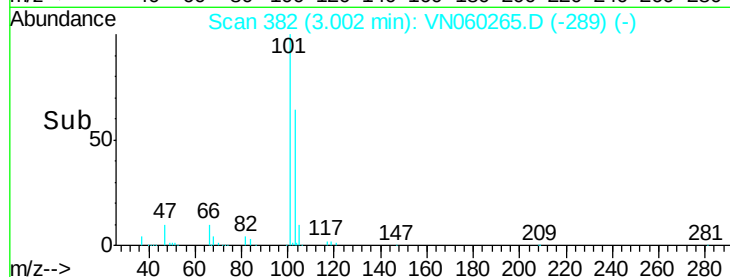
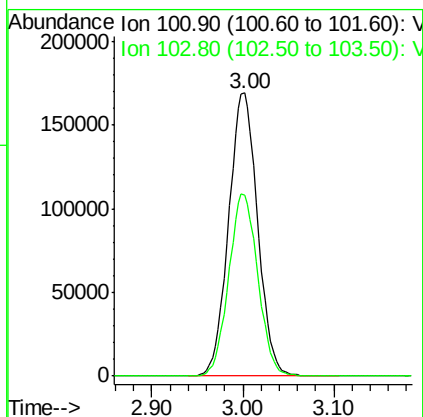
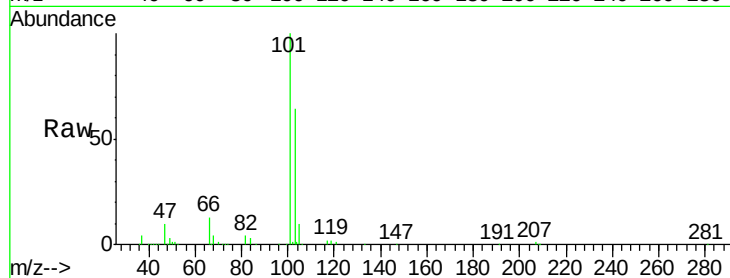
Trichlorofluoromethane
Concen: 94.084 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Instrument :
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ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.3	76.9

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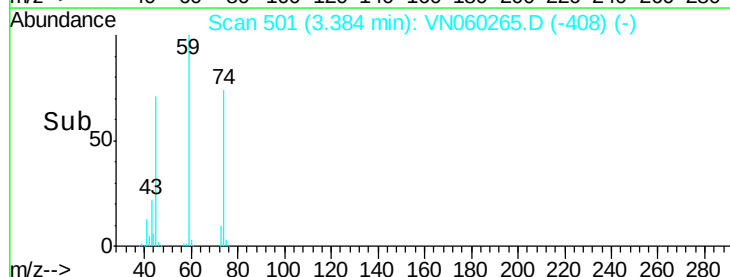
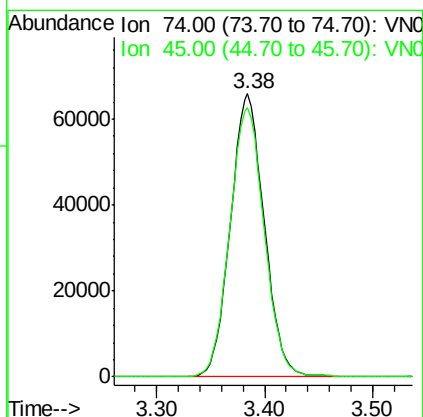
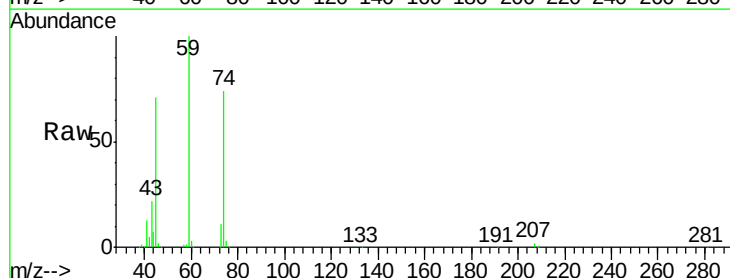
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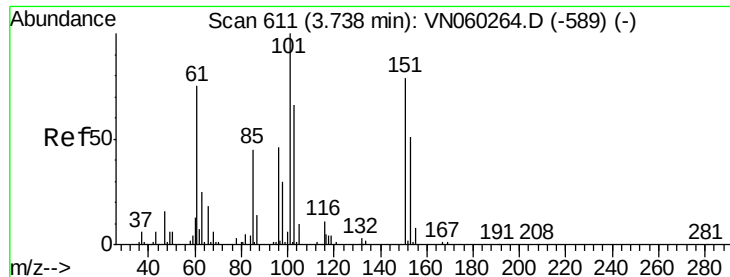


#8

Diethyl Ether
Concen: 106.608 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.6	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 96.623 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_N

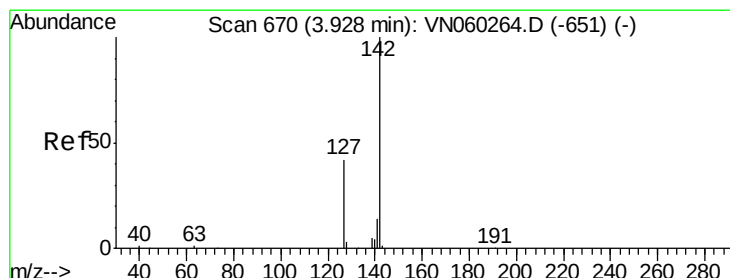
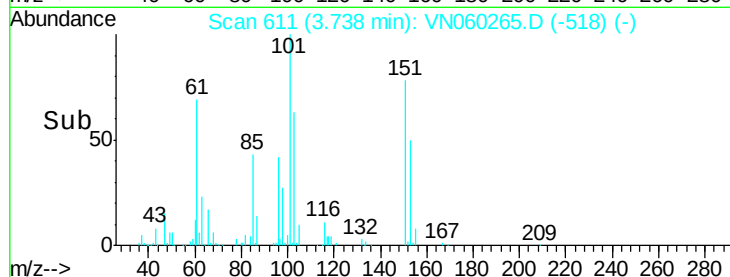
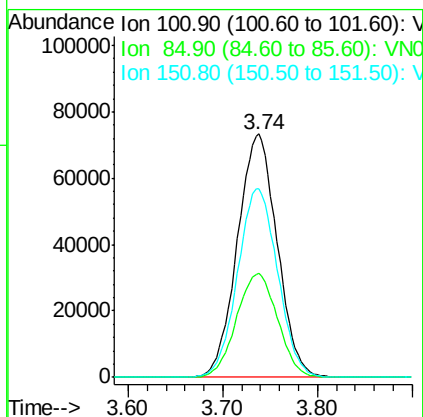
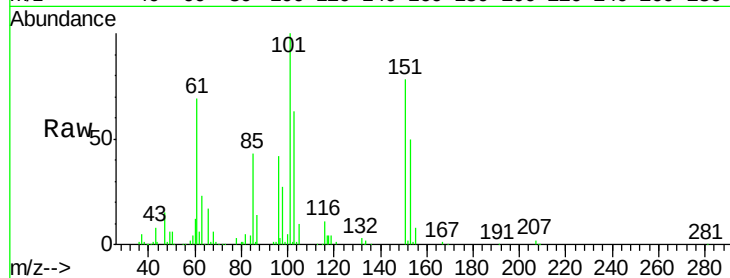
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	213893
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.4	53.2
151	78.3	62.0	93.0

Manual Integrations
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#10

Methyl Iodide

Concen: 83.216 ug/l

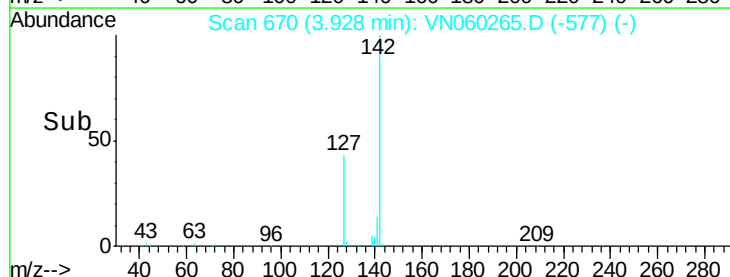
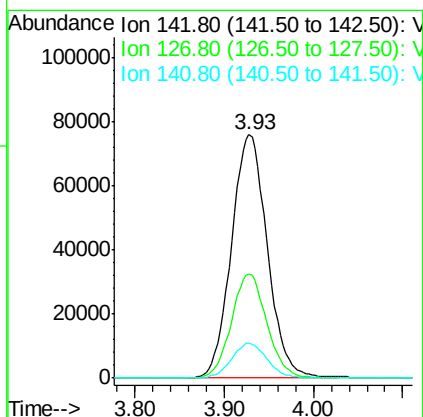
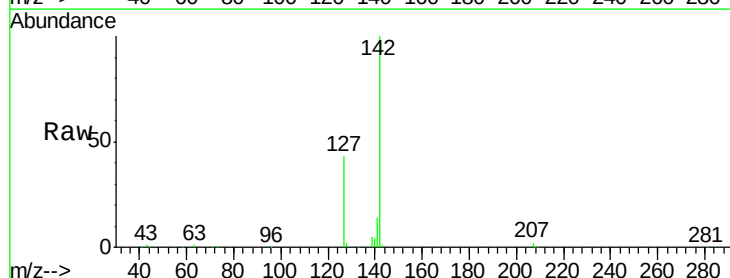
RT: 3.93 min Scan# 670

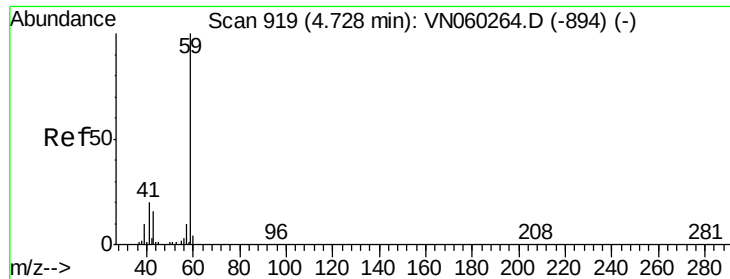
Delta R.T. 0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Tgt Ion:	142	Resp:	212006
Ion Ratio	Lower	Upper	
142	100		
127	42.1	33.8	50.6
141	14.2	11.1	16.7





#11

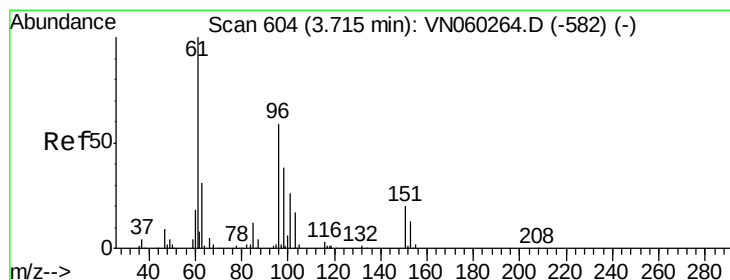
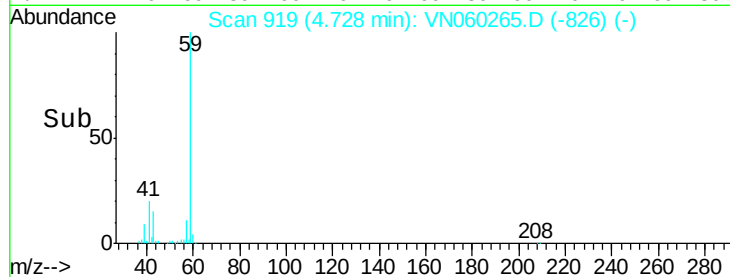
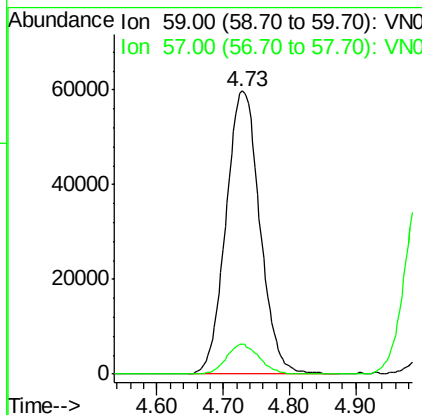
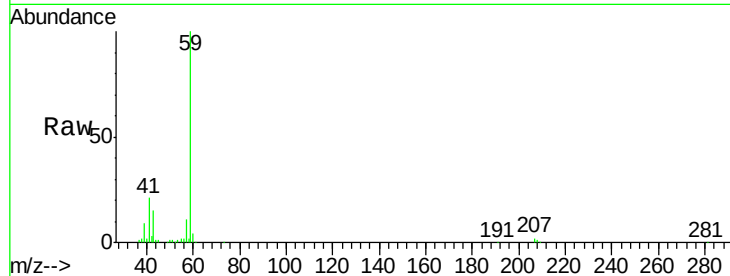
Tert butyl alcohol
Concen: 509.391 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

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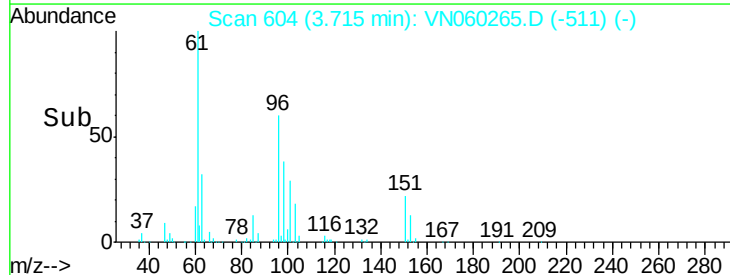
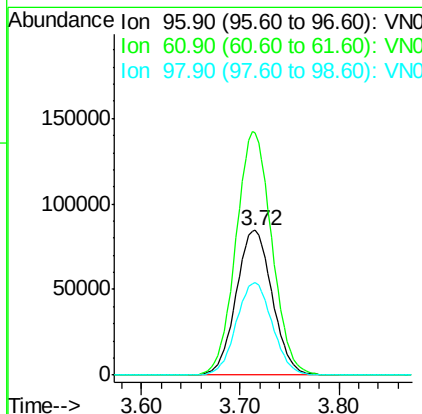
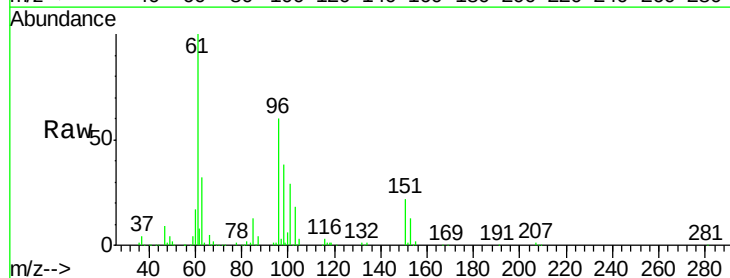
MMDadoda
2/28/2020 12:31:14 PM

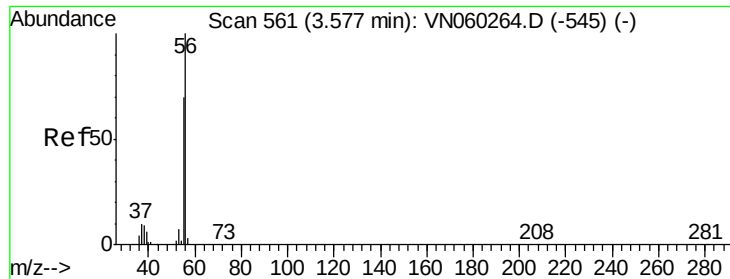


#12

1,1-Dichloroethene
Concen: 98.584 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.0	135.4	203.0
98	63.9	51.6	77.4





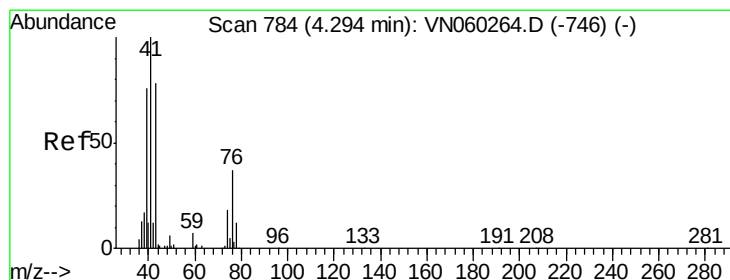
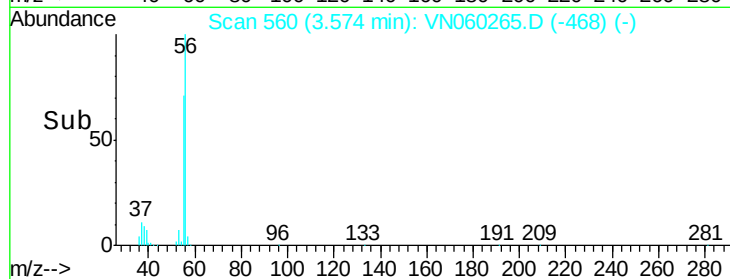
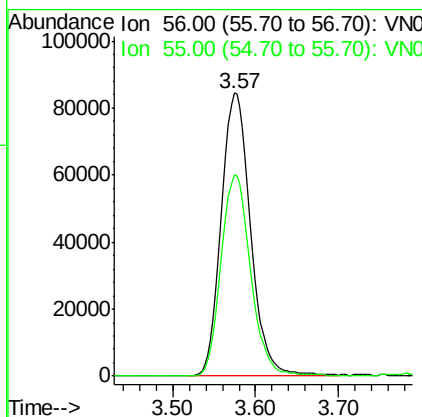
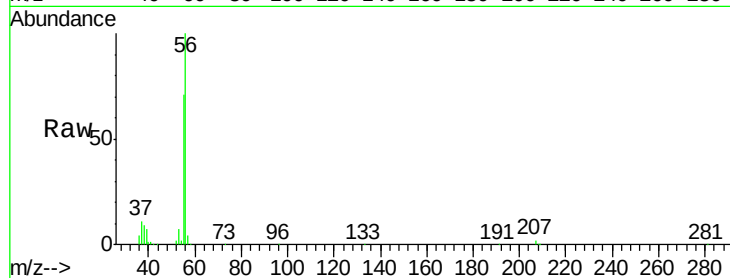
#13
Acrolein
Concen: 504.195 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.4	57.4	86.0

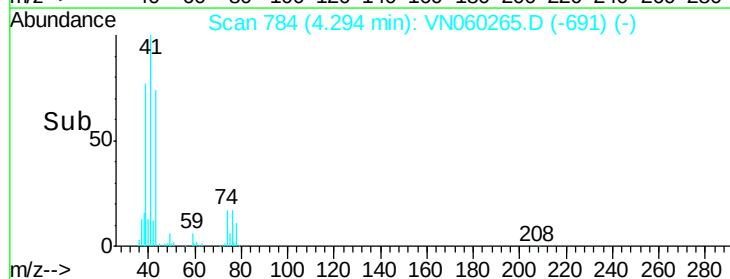
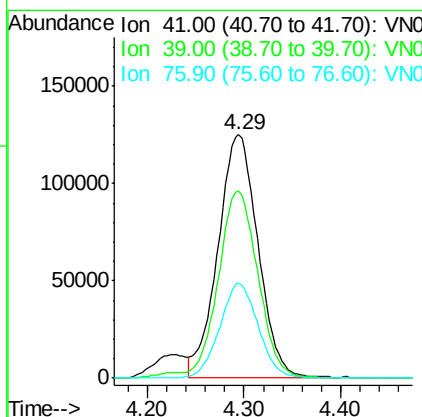
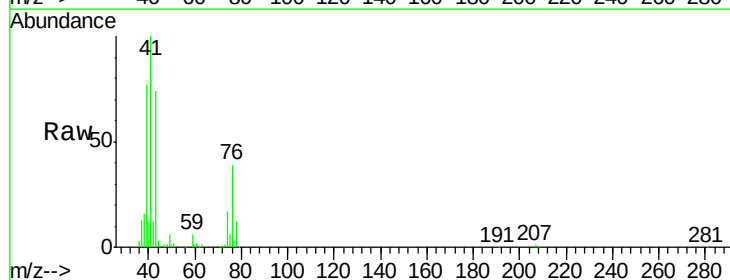
Manual Integrations
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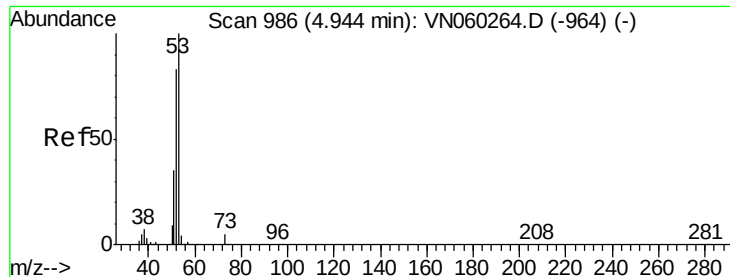
MMDadoda
2/28/2020 12:31:14 PM



#14
Allyl chloride
Concen: 107.428 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Tgt Ion	Ratio	Lower	Upper
41	100		
39	76.2	55.4	83.2
76	37.7	27.0	40.6





#15

Acrylonitrile

Concen: 566.673 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_N

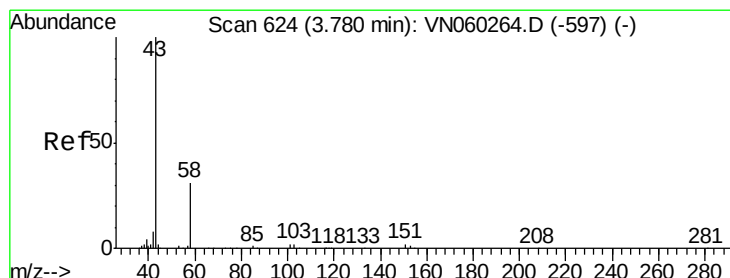
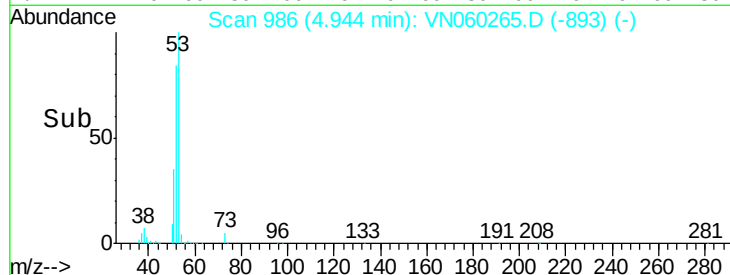
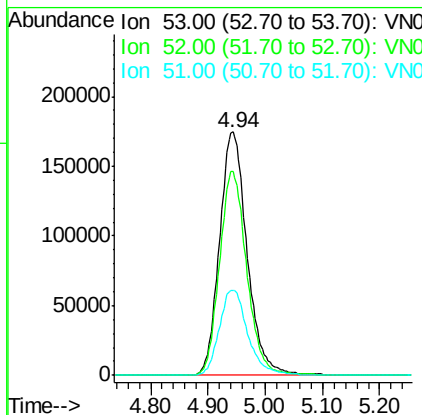
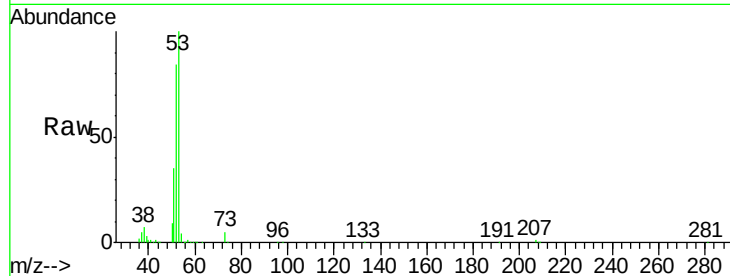
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	584169
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.8	100.2
51	36.4	29.0	43.6

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#16

Acetone

Concen: 399.307 ug/l

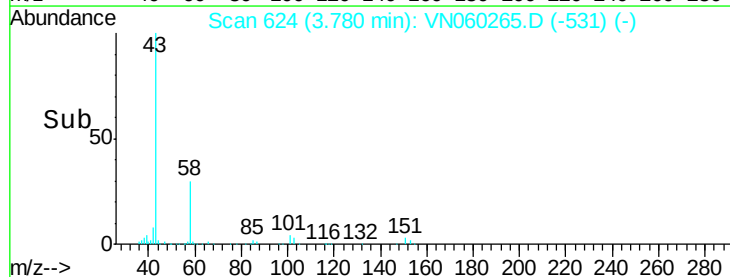
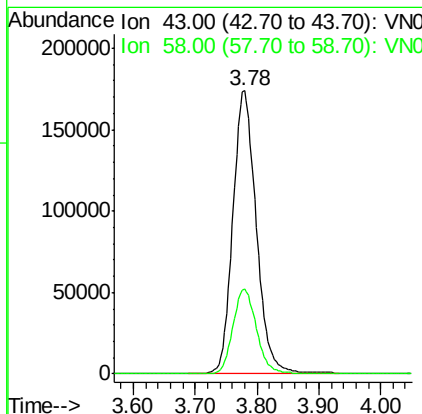
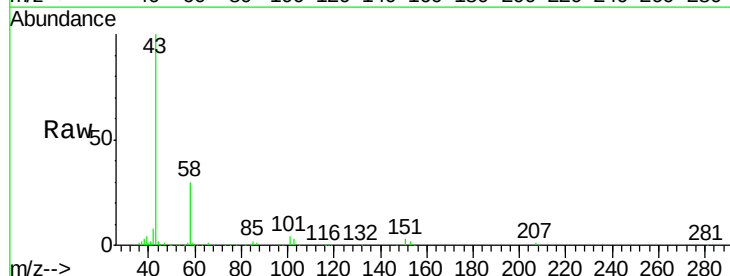
RT: 3.78 min Scan# 624

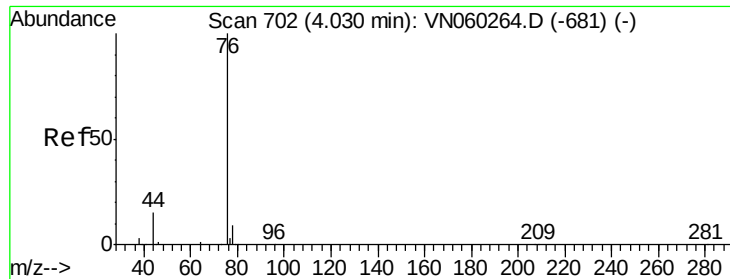
Delta R.T. 0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Tgt Ion:	43	Resp:	458383
Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.6	36.8





#17

Carbon Disulfide

Concen: 87.891 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 563754

Ion Ratio Lower Upper

76 100

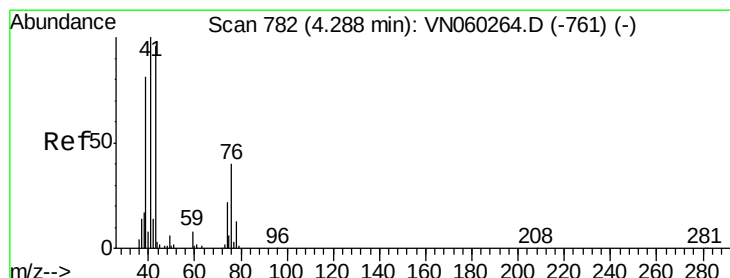
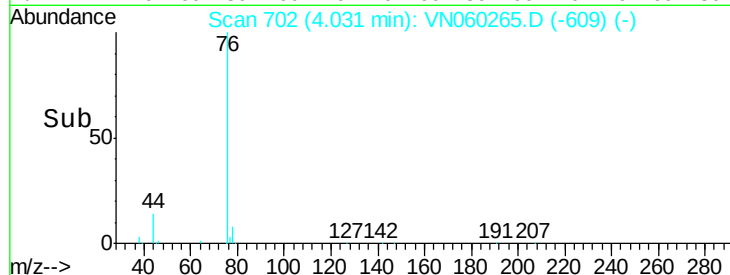
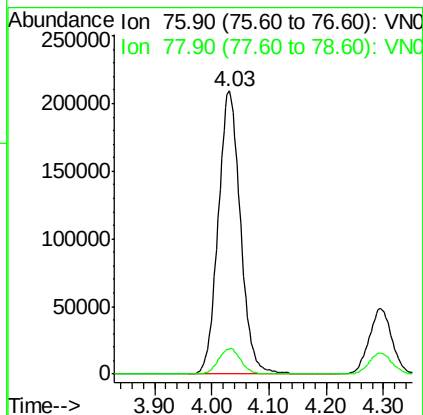
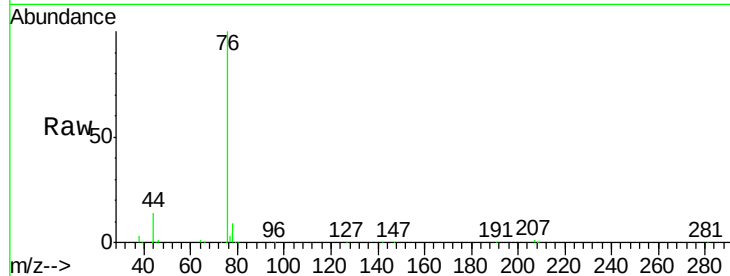
78 9.0 7.4 11.0

Manual Integrations

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#18

Methyl Acetate

Concen: 122.851 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060265.D

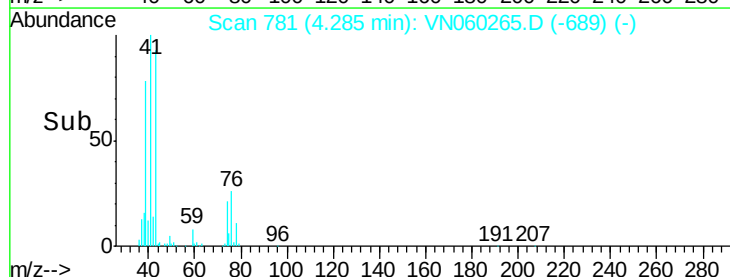
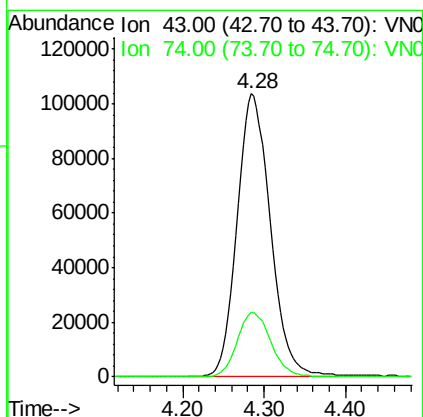
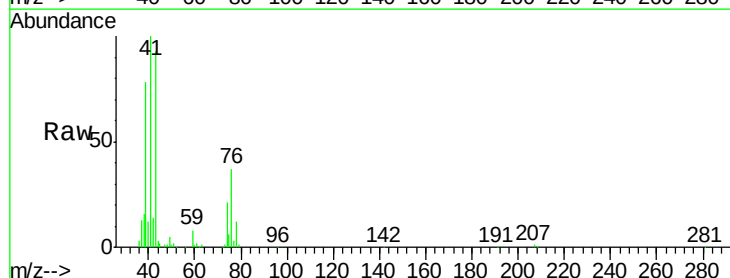
Acq: 27 Feb 2020 11:51

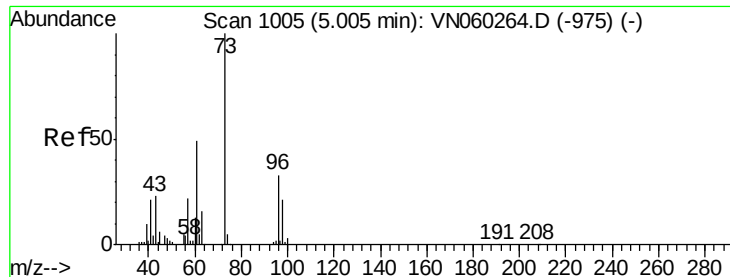
Tgt Ion: 43 Resp: 291050

Ion Ratio Lower Upper

43 100

74 23.4 18.8 28.2





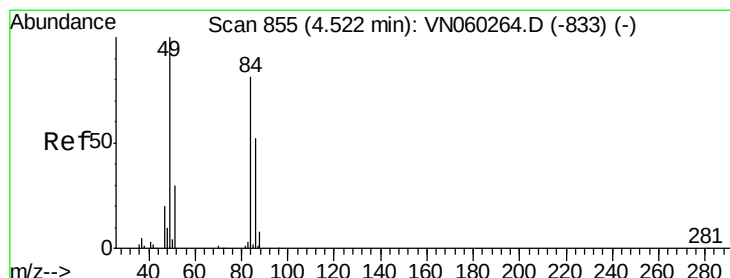
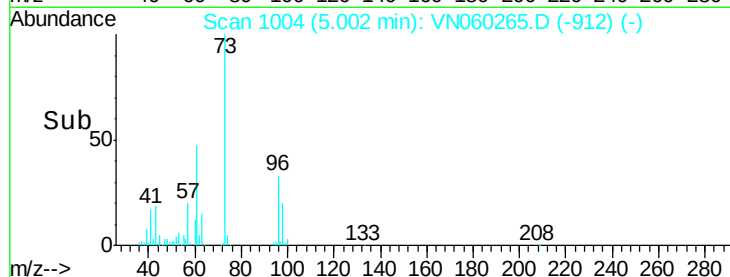
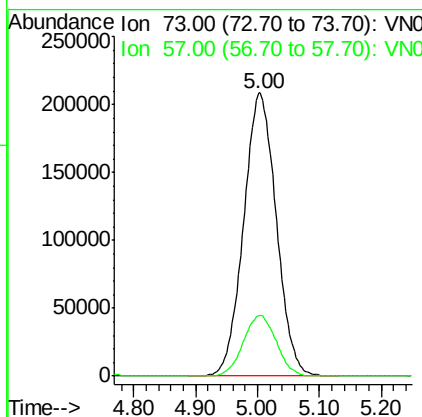
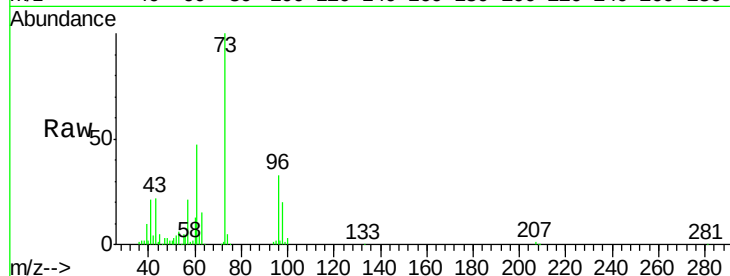
#19
Methyl tert-butyl Ether
Concen: 103.952 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.3	25.9

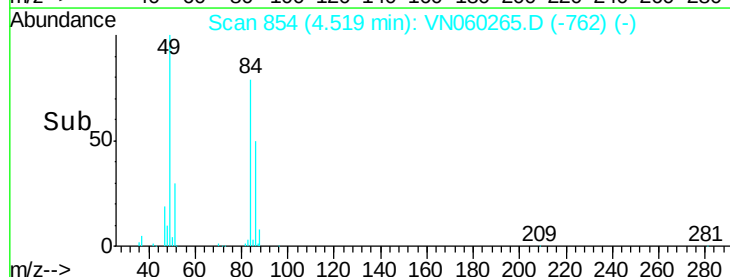
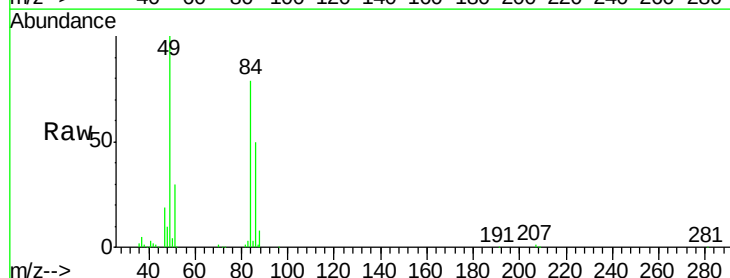
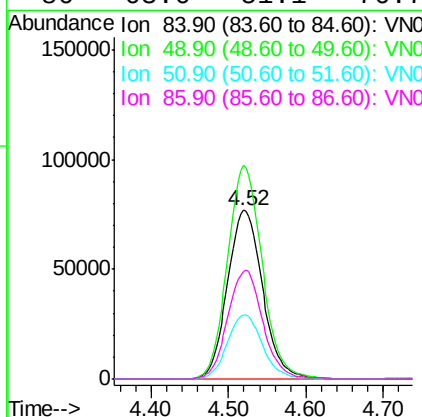
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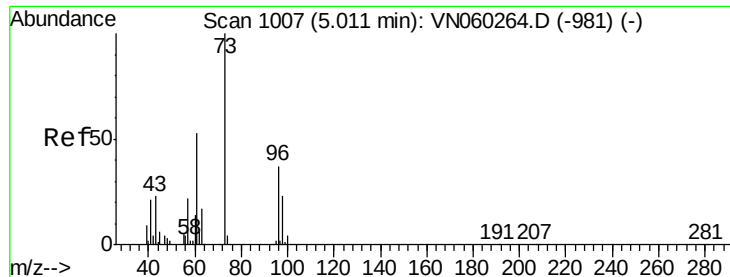
MMDadoda
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#20
Methylene Chloride
Concen: 99.974 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.4	99.3	148.9
51	37.8	30.1	45.1
86	63.6	51.1	76.7





#21

trans-1,2-Dichloroethene

Concen: 97.965 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 96 Resp: 229905

Ion Ratio Lower Upper

96 100

61 145.9 113.8 170.8

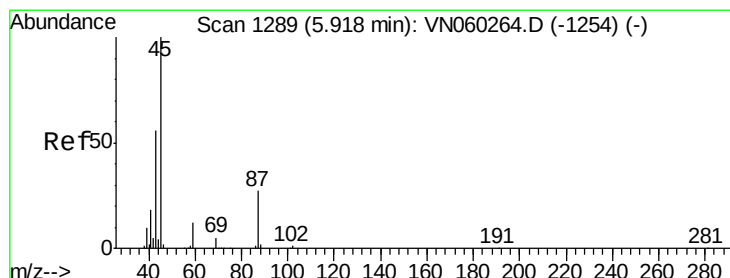
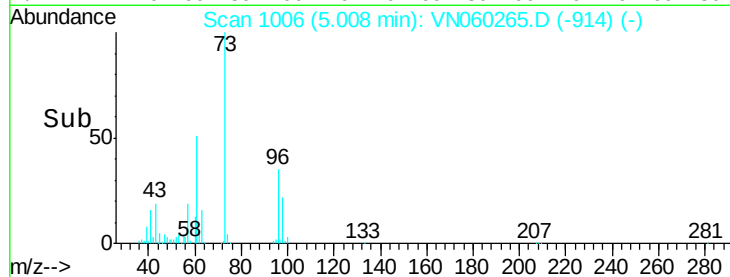
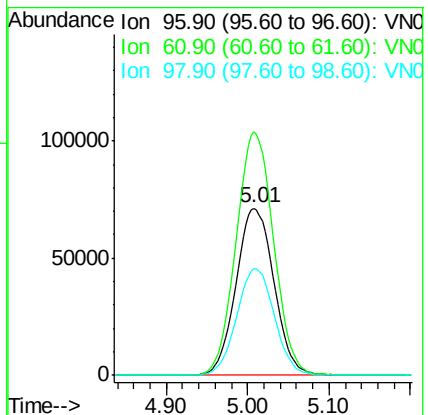
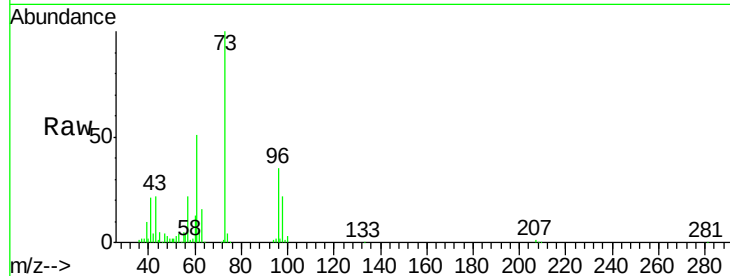
98 63.7 48.8 73.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 111.133 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Tgt Ion: 45 Resp: 793161

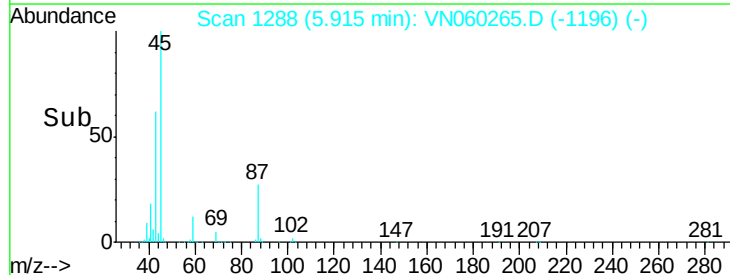
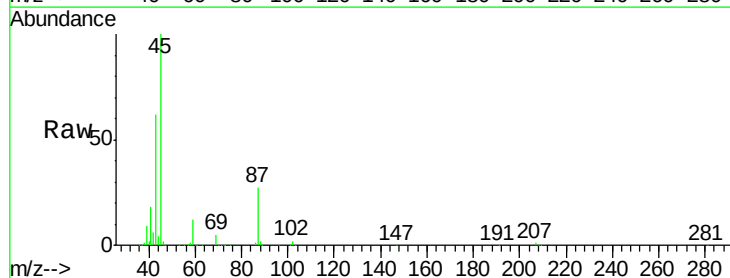
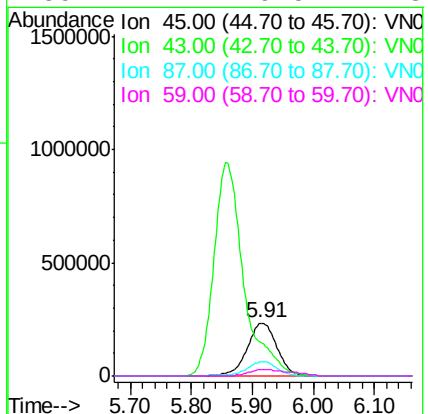
Ion Ratio Lower Upper

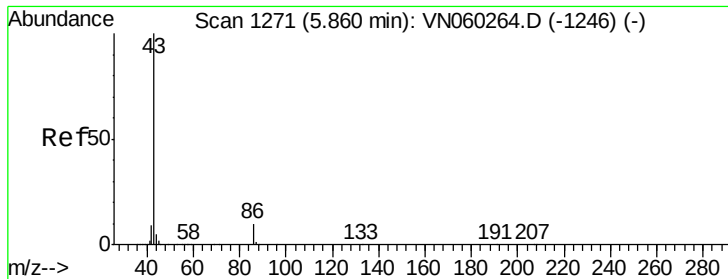
45 100

43 61.8 48.6 72.8

87 27.3 22.2 33.2

59 11.7 9.5 14.3





#23

Vinyl Acetate

Concen: 540.325 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 3205875

Ion Ratio Lower Upper

43 100

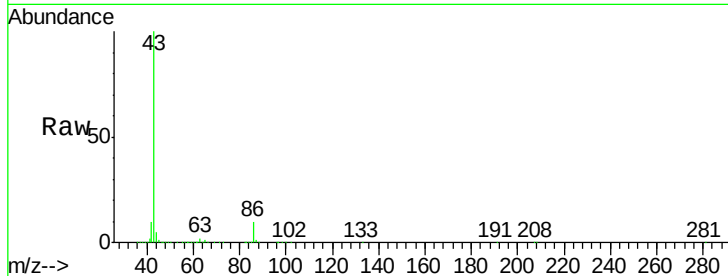
86 10.1 8.0 12.0

Manual Integrations

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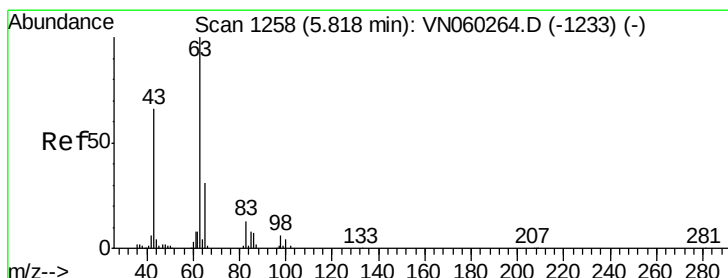
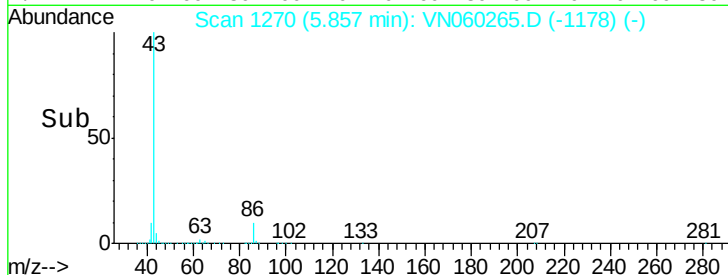
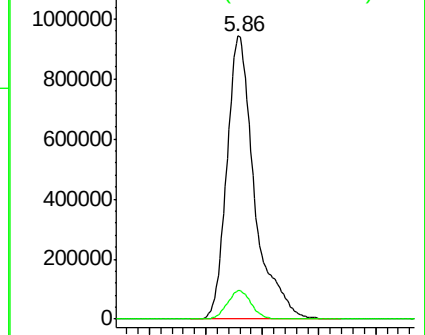
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 103.616 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

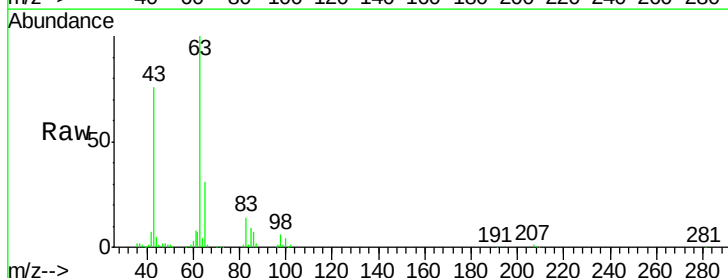
Tgt Ion: 63 Resp: 441921

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.0

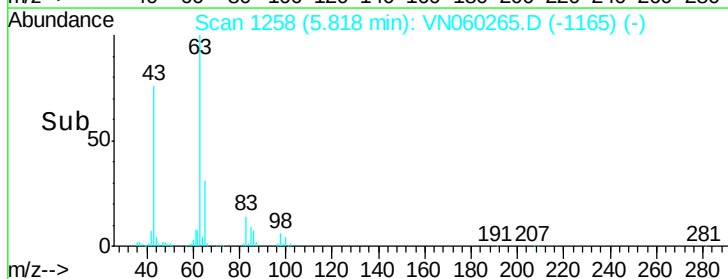
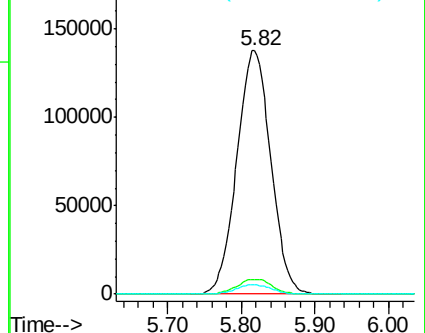
100 4.0 2.0 6.0

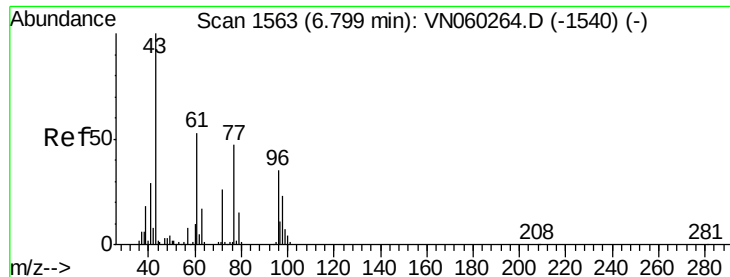


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 507.288 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 762385

Ion Ratio Lower Upper

43 100

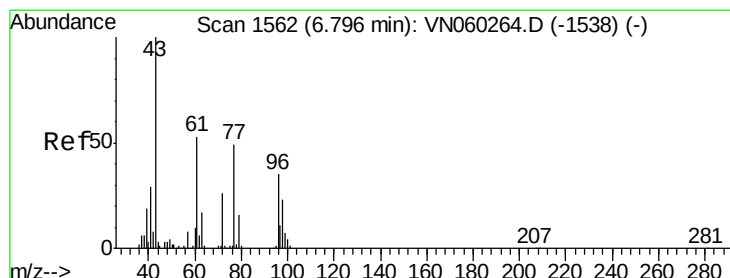
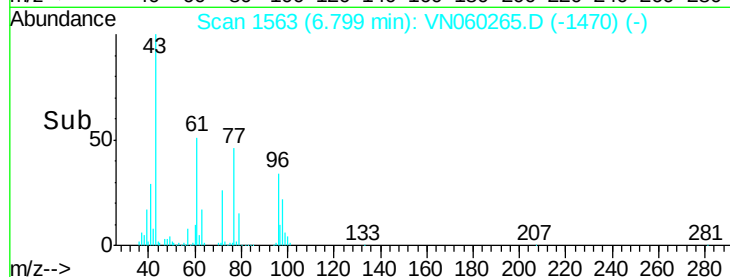
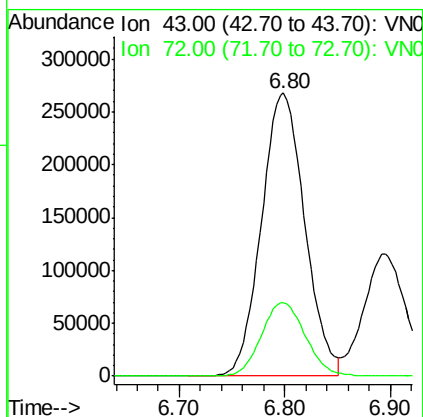
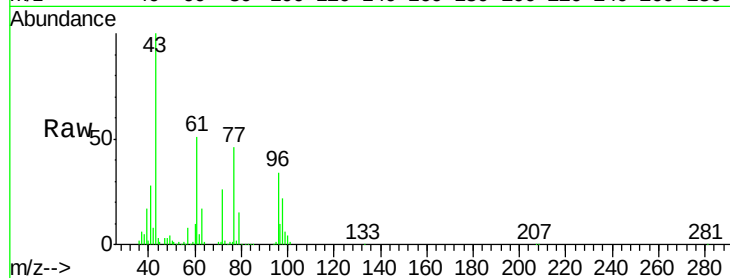
72 26.0 20.9 31.3

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 100.060 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060265.D

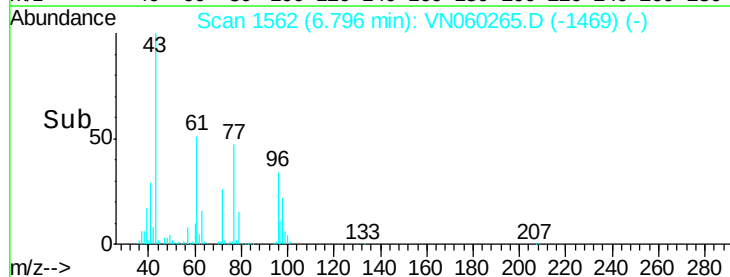
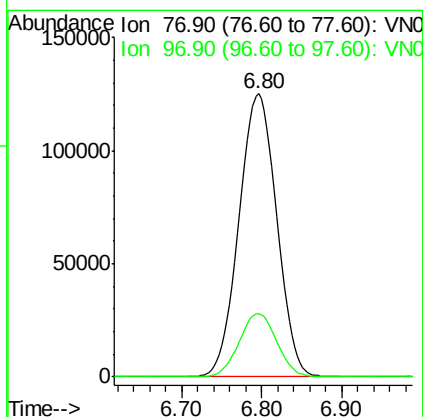
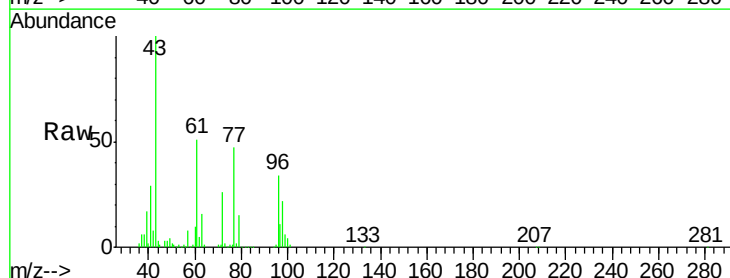
Acq: 27 Feb 2020 11:51

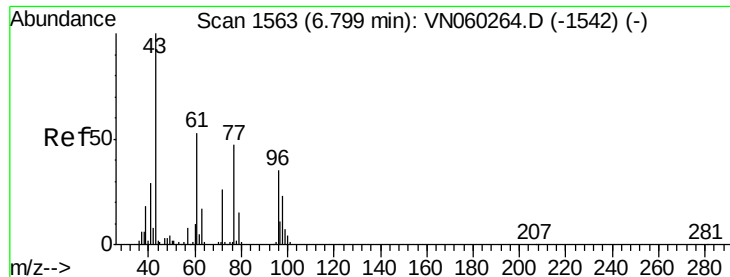
Tgt Ion: 77 Resp: 401347

Ion Ratio Lower Upper

77 100

97 22.2 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 97.722 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_N

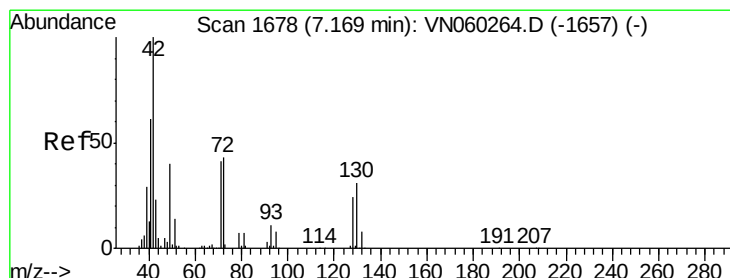
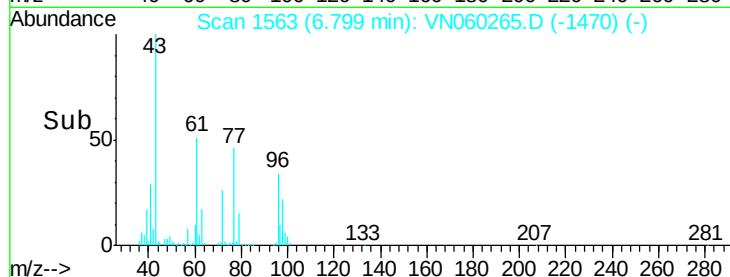
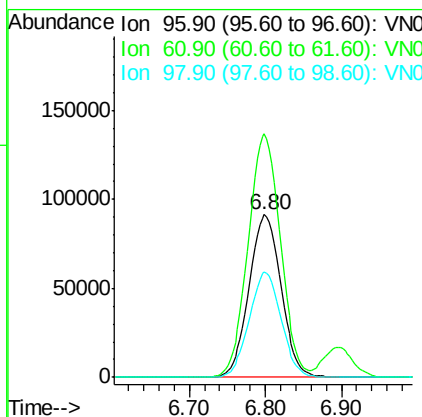
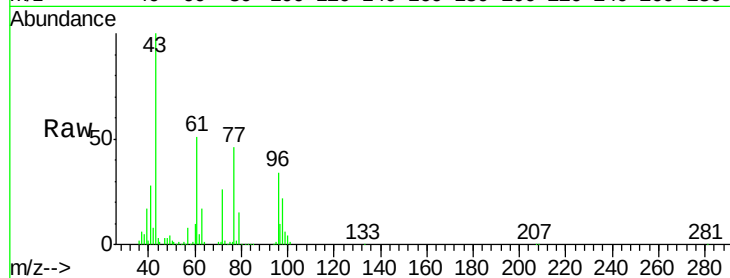
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	269106
Ion Ratio	Lower	Upper	
96	100		
61	150.1	0.0	300.8
98	64.3	0.0	128.2

Manual Integrations
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#28

Bromochloromethane

Concen: 108.248 ug/l

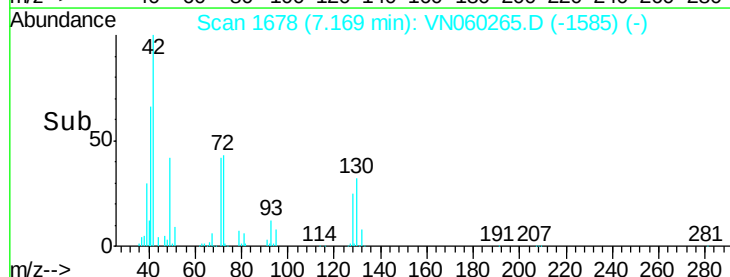
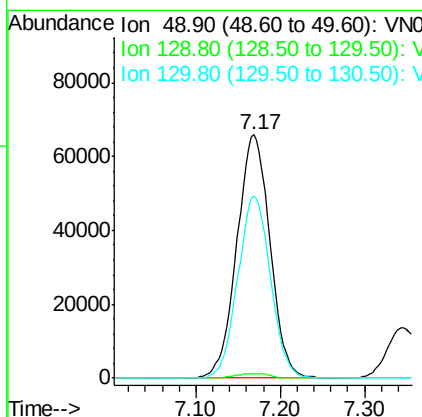
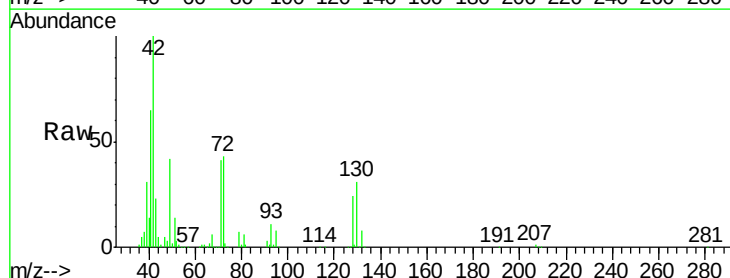
RT: 7.17 min Scan# 1678

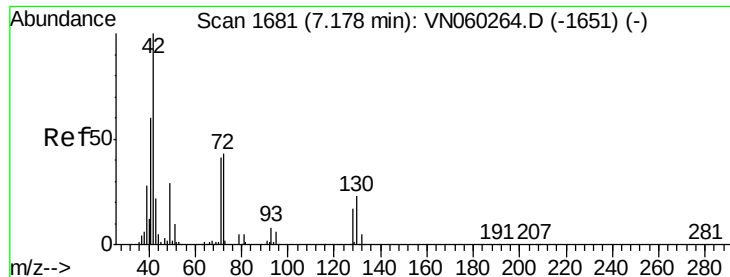
Delta R.T. 0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Tgt Ion:	49	Resp:	180630
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	3.8
130	73.6	59.8	89.8





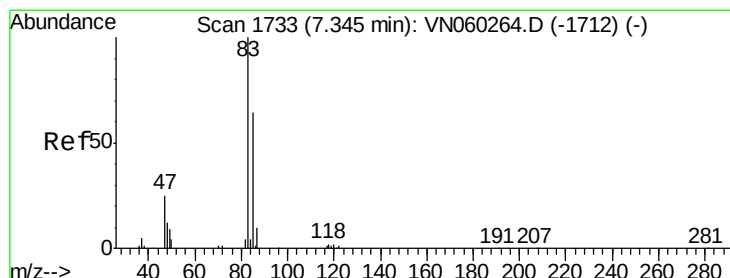
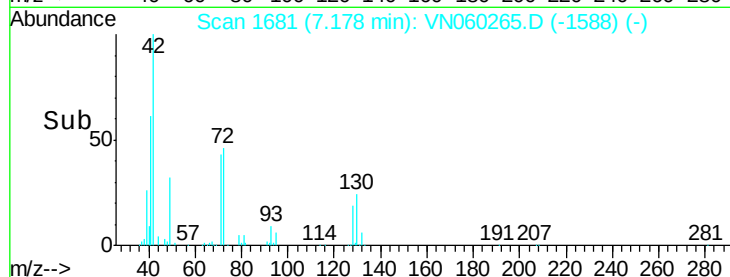
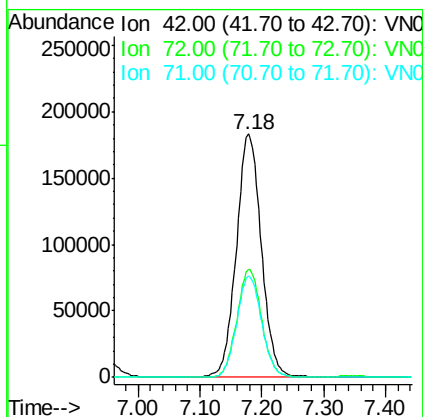
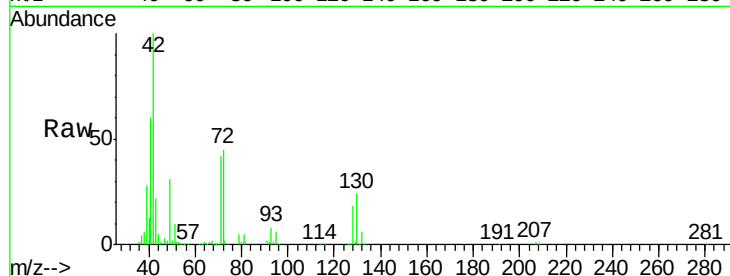
#29
Tetrahydrofuran
Concen: 540.474 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
42	100				
72	44.0	34.6	52.0		
71	41.6	32.9	49.3		

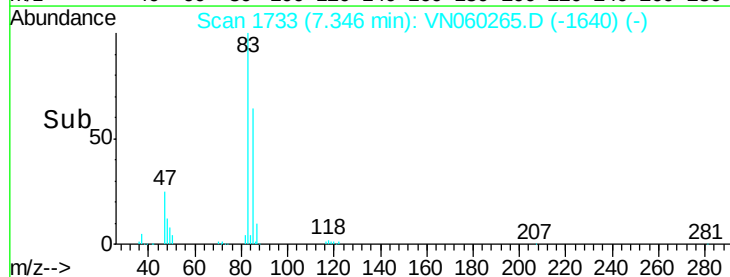
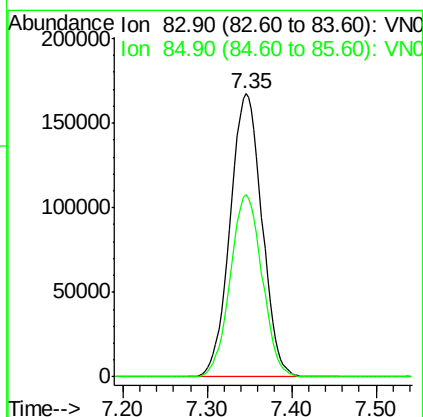
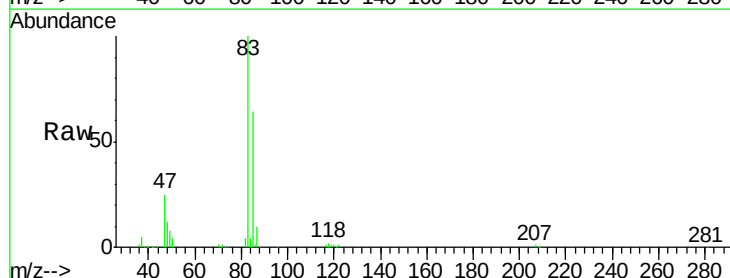
Manual Integrations
APPROVED

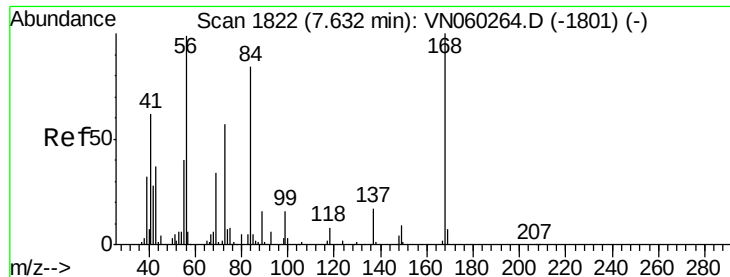
MMDadoda
2/28/2020 12:31:14 PM



#30
Chloroform
Concen: 99.582 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100				
85	64.3	51.4	77.2		





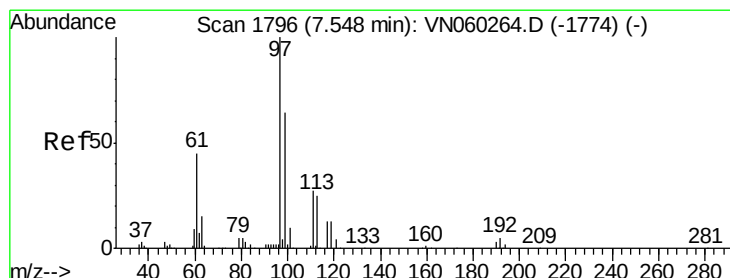
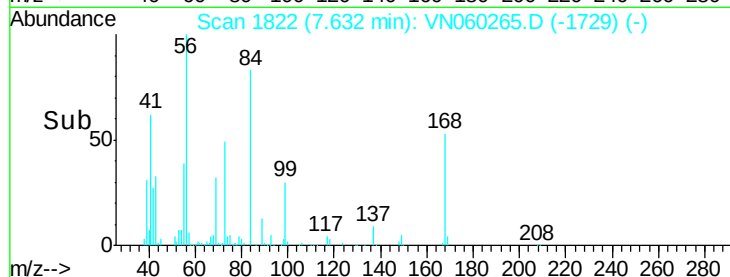
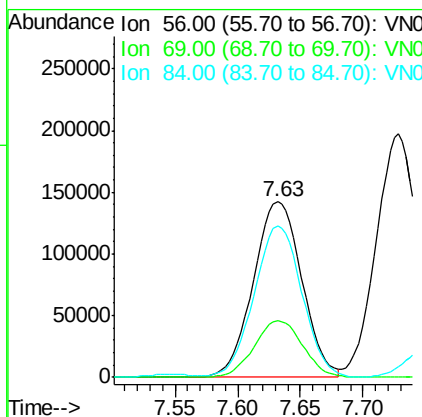
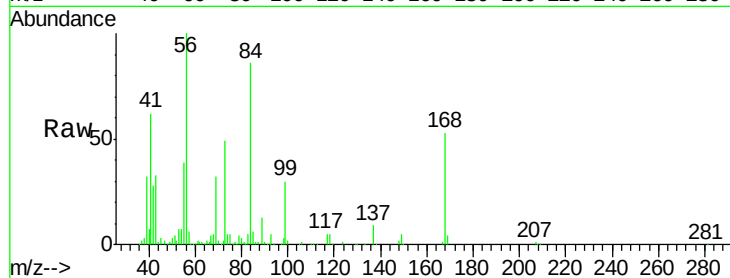
#31
Cyclohexane
Concen: 96.706 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	27.2	40.8
84	85.0	66.7	100.1

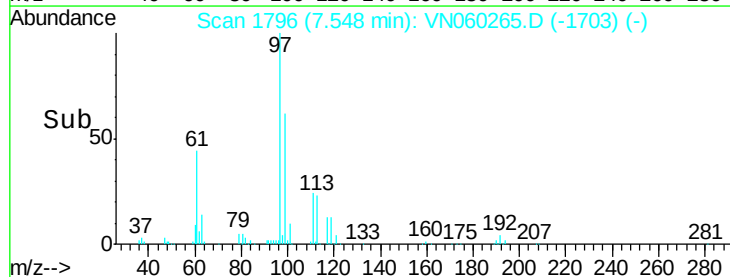
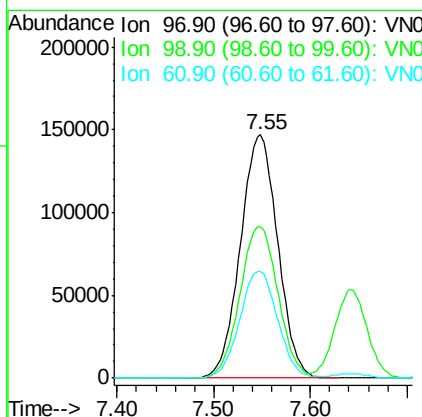
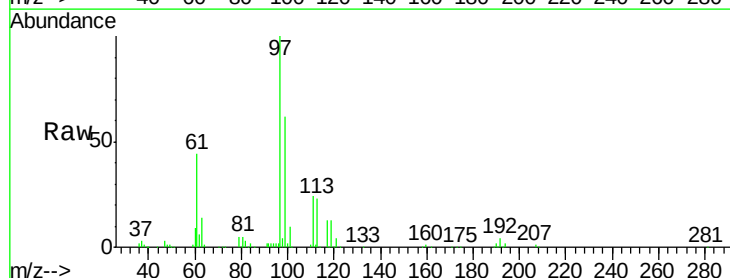
Manual Integrations
APPROVED

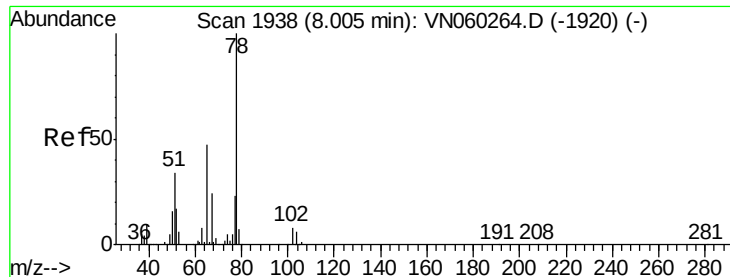
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 98.245 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.4	77.0
61	44.4	36.6	55.0





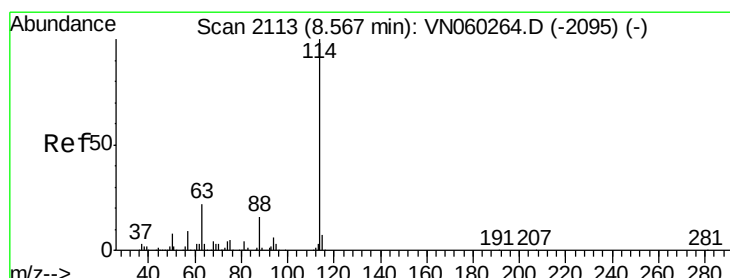
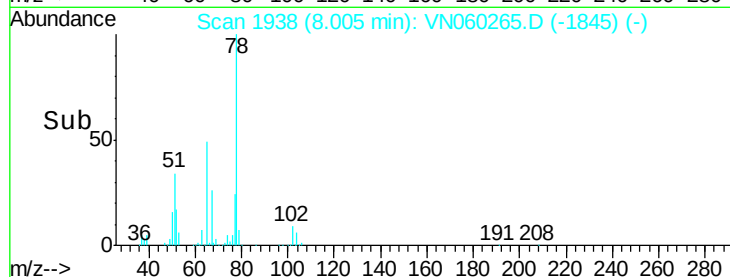
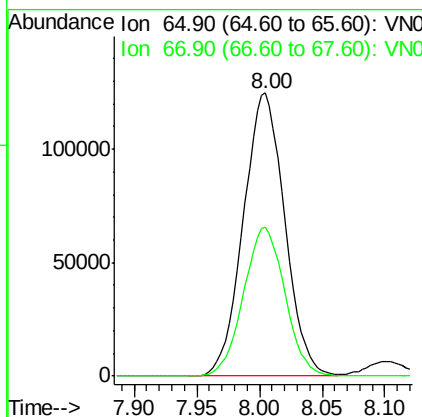
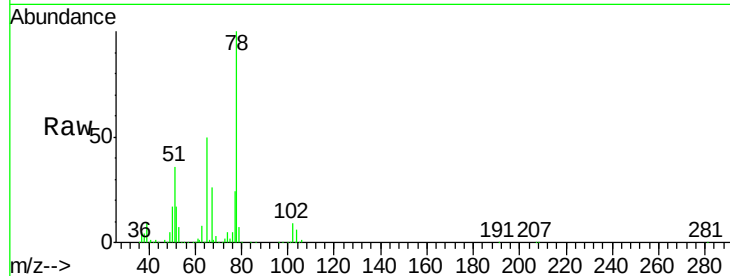
#33
 1,2-Dichloroethane-d4
 Concen: 103.462 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060265.D
 Acq: 27 Feb 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.6	0.0	103.8	

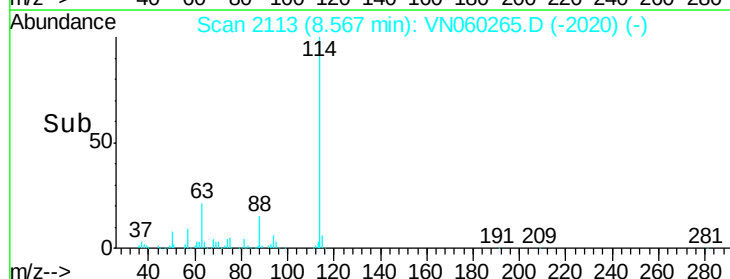
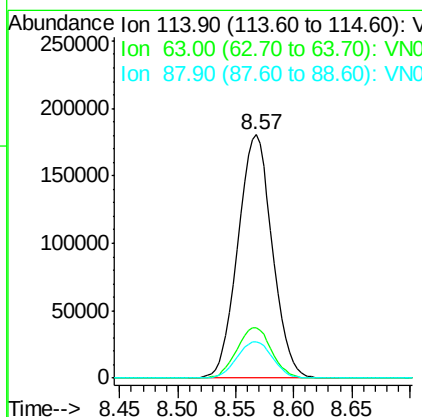
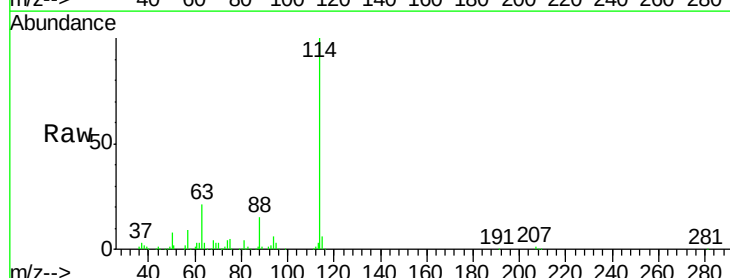
Manual Integrations
 APPROVED

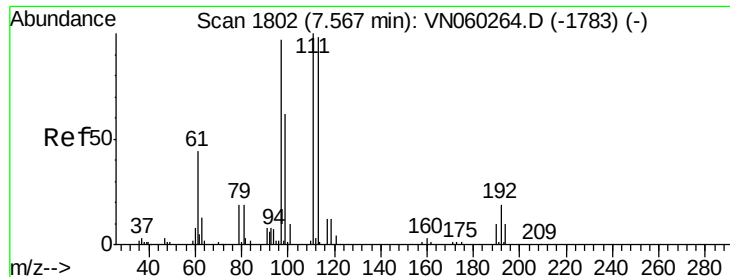
MMDadoda
 2/28/2020 12:31:14 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060265.D
 Acq: 27 Feb 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.7	0.0	43.2	
88	15.1	0.0	31.6	





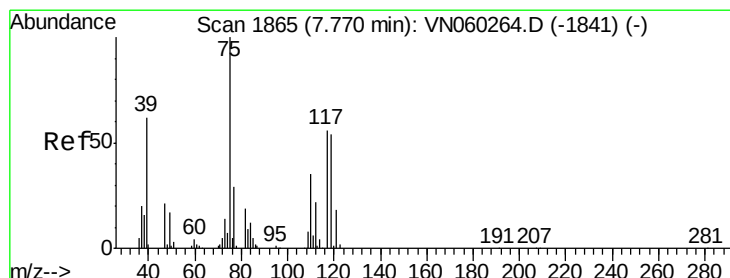
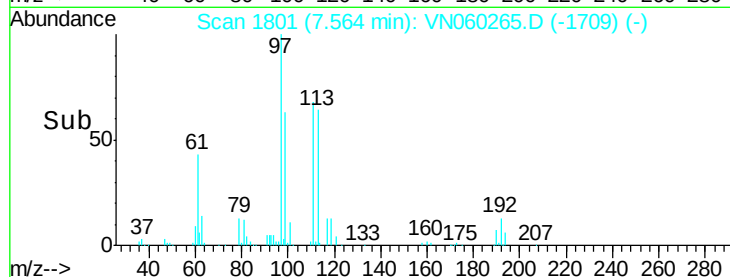
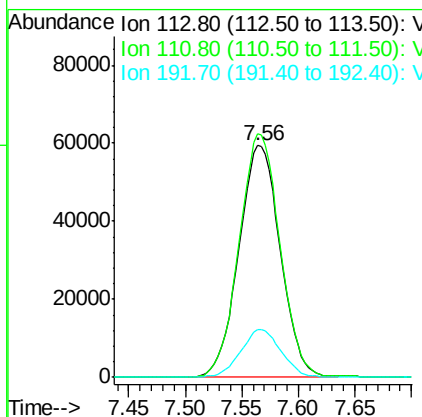
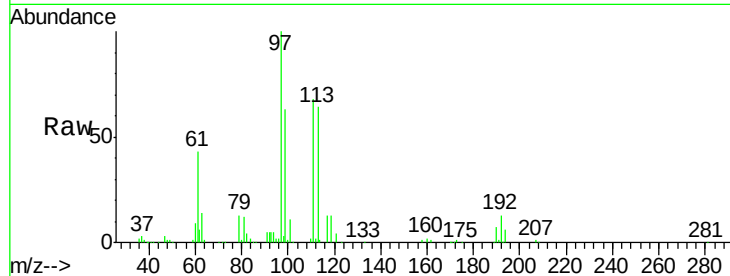
#35
 Dibromofluoromethane
 Concen: 70.363 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060265.D
 Acq: 27 Feb 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	151369		
111	103.5	82.4	123.6	
192	20.2	16.2	24.2	

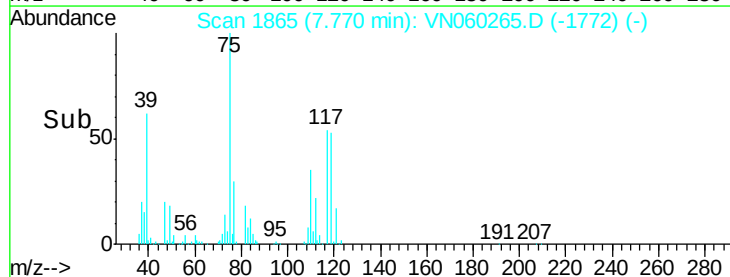
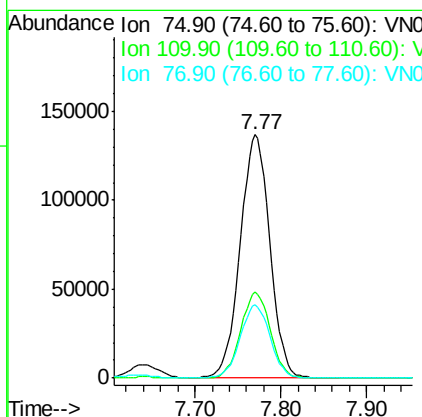
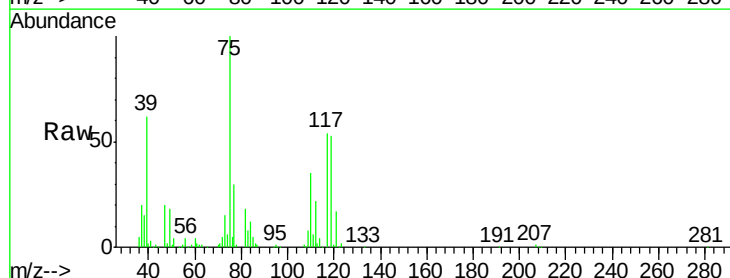
Manual Integrations
 APPROVED

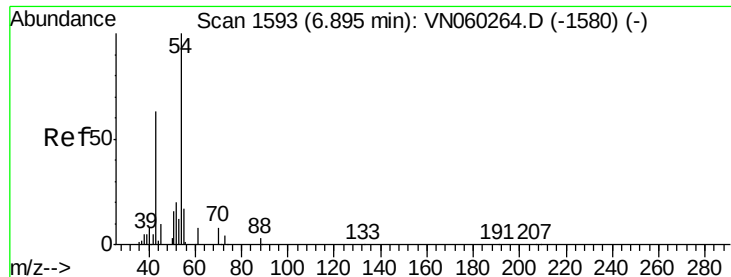
MMDadoda
 2/28/2020 12:31:14 PM



#36
 1,1-Dichloropropene
 Concen: 95.450 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060265.D
 Acq: 27 Feb 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	327309		
110	35.3	17.3	52.0	
77	30.6	24.2	36.2	





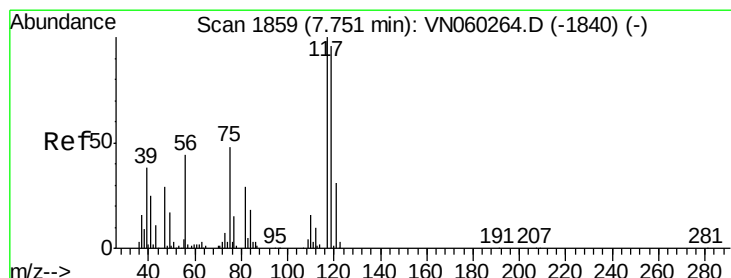
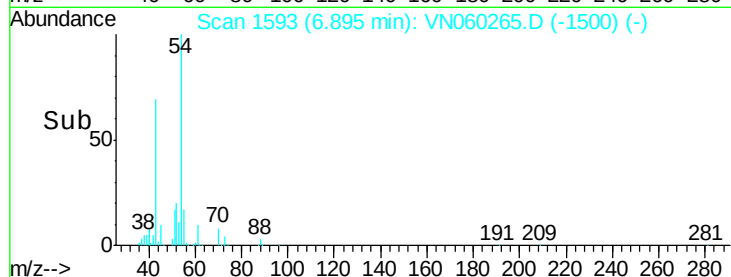
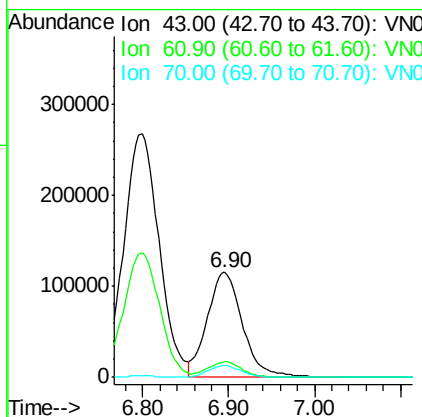
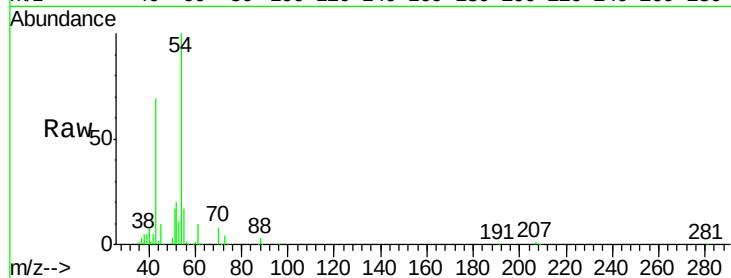
#37
Ethyl Acetate
Concen: 103.955 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.1	16.7
70	10.8	8.4	12.6

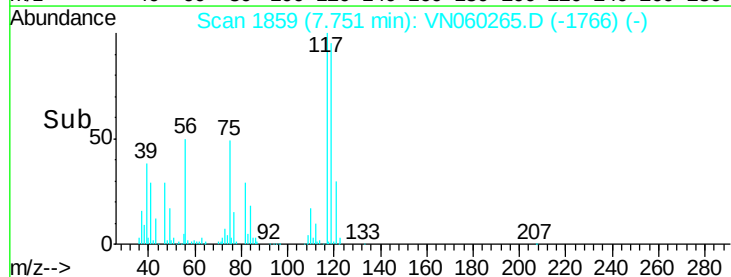
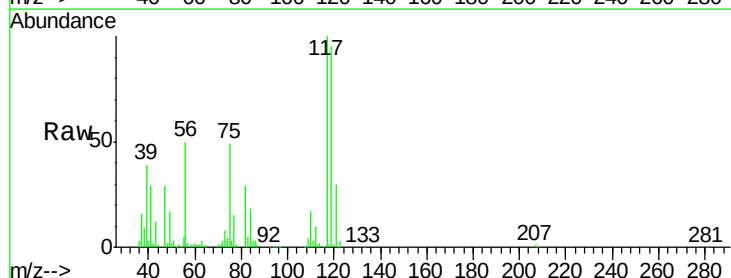
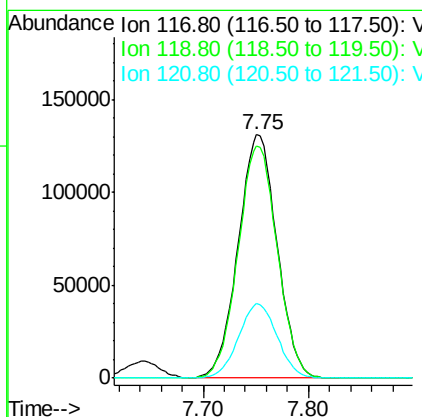
Manual Integrations
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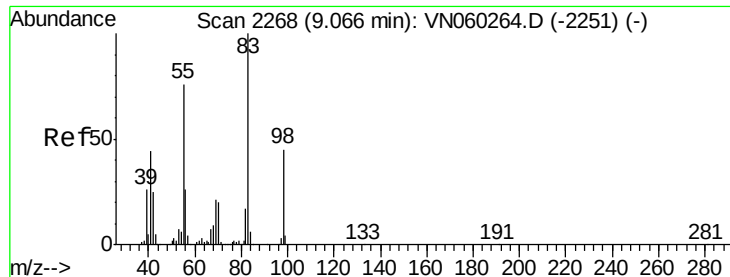
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#38
Carbon Tetrachloride
Concen: 90.968 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.7	115.1
121	30.4	24.5	36.7





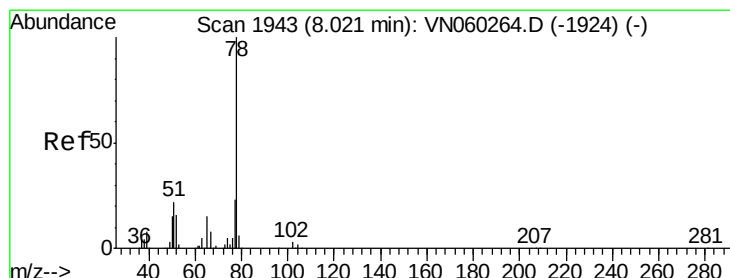
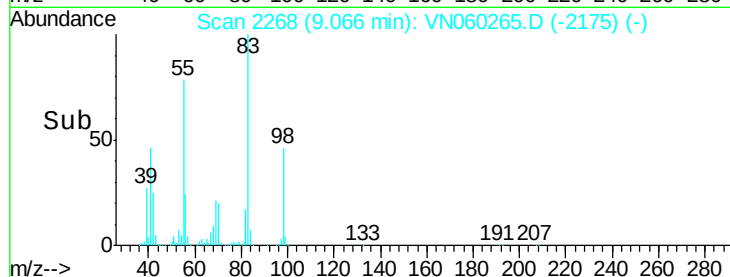
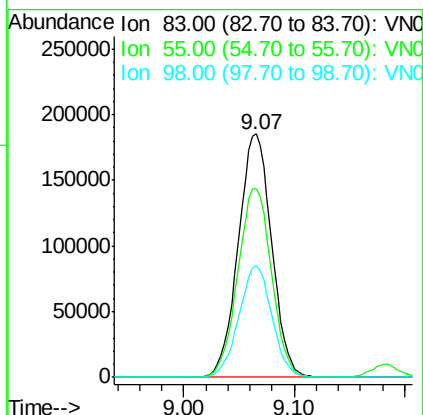
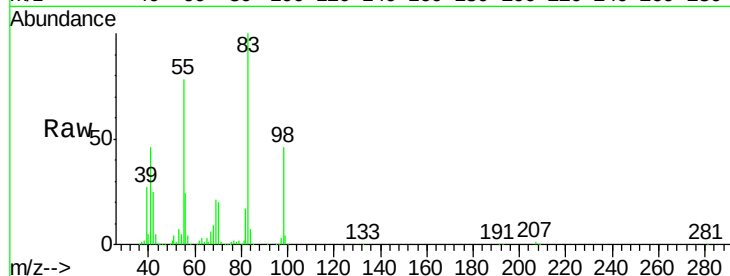
#39
Methylvlcyclohexane
Concen: 91.647 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.7	61.0	91.4
98	45.7	36.1	54.1

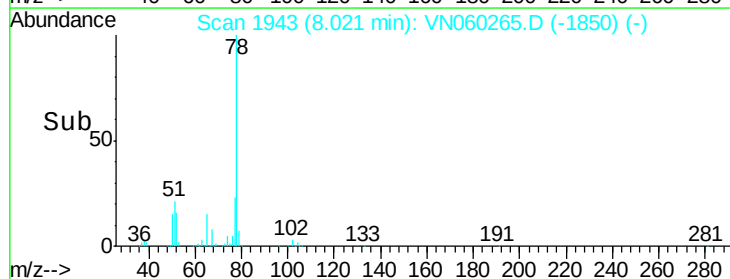
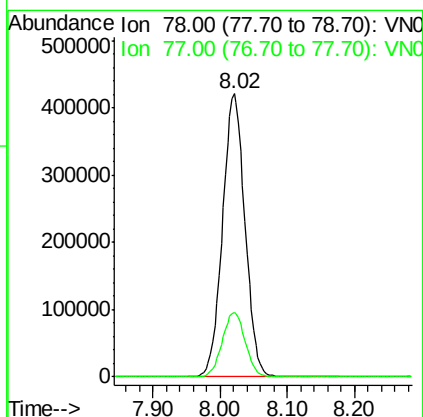
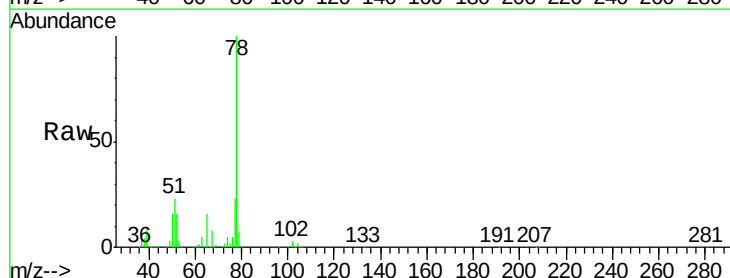
Manual Integrations
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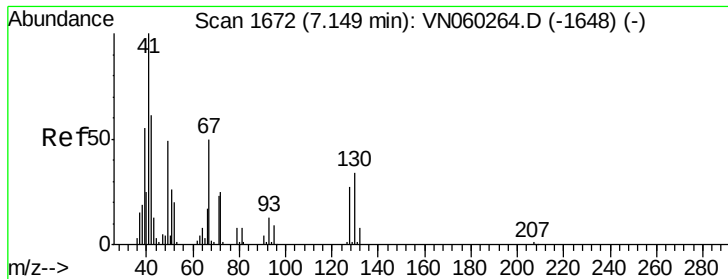
MMDadoda
2/28/2020 12:31:14 PM



#40
Benzene
Concen: 95.816 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.8	28.2





#41

Methacrylonitrile

Concen: 122.273 ug/l m

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 163259

Ion Ratio Lower Upper

41 100

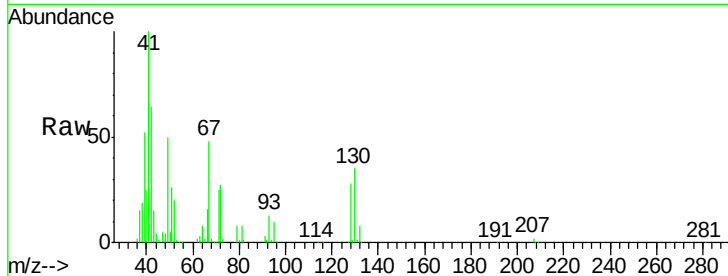
39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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MMDadoda
2/28/2020 12:31:14 PM



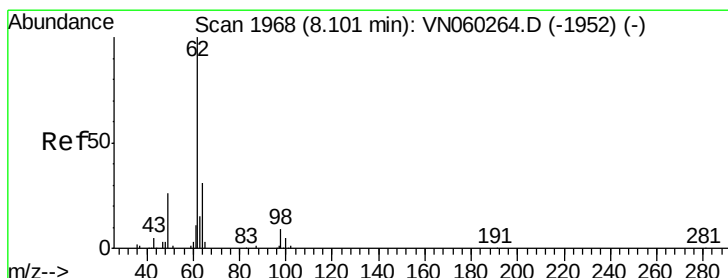
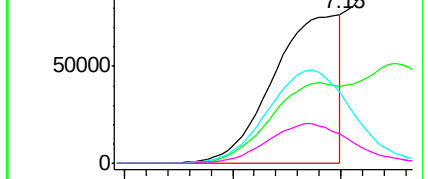
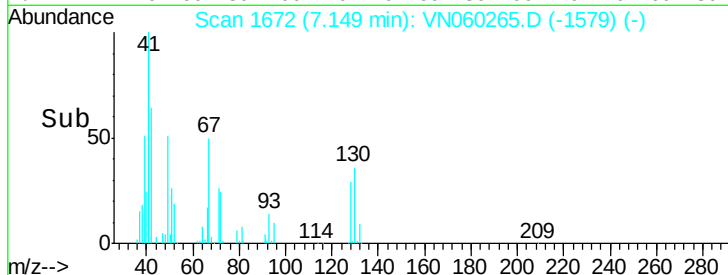
Abundance Ion 41.00 (40.70 to 41.70): VN060264.D (-1648) (-)

Ion 39.00 (38.70 to 39.70): VN060264.D (-1648) (-)

Ion 67.00 (66.70 to 67.70): VN060264.D (-1648) (-)

Ion 52.00 (51.70 to 52.70): VN060264.D (-1648) (-)

Time-->



#42

1,2-Dichloroethane

Concen: 98.620 ug/l

RT: 8.10 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VN060265.D

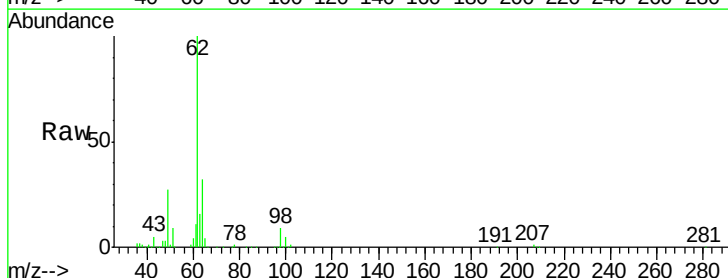
Acq: 27 Feb 2020 11:51

Tgt Ion: 62 Resp: 354209

Ion Ratio Lower Upper

62 100

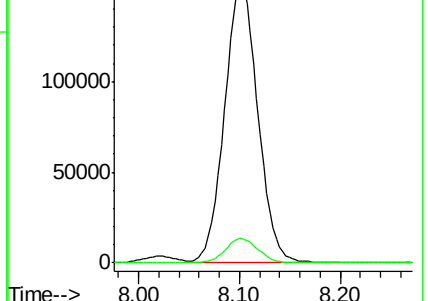
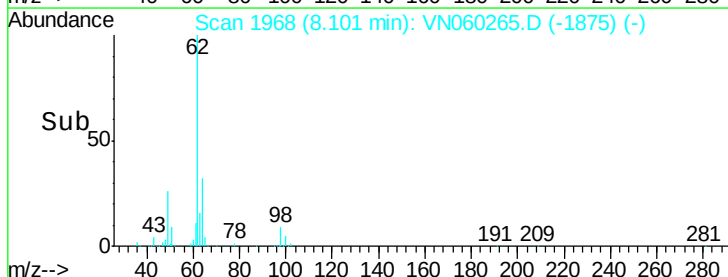
98 8.6 0.0 17.0

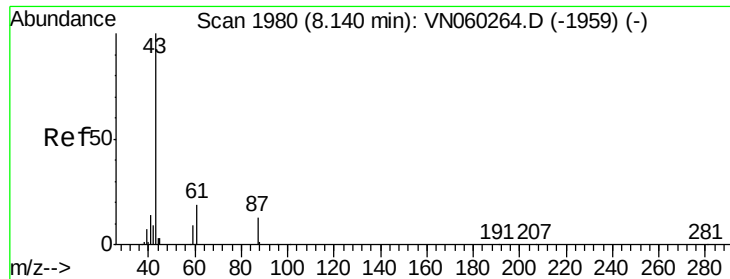


Abundance Ion 61.90 (61.60 to 62.60): VN060264.D (-1952) (-)

Ion 97.90 (97.60 to 98.60): VN060264.D (-1952) (-)

Time-->





#43

Isopropyl Acetate

Concen: 106.651 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_N

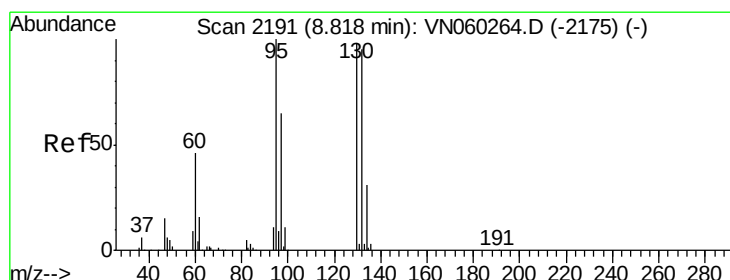
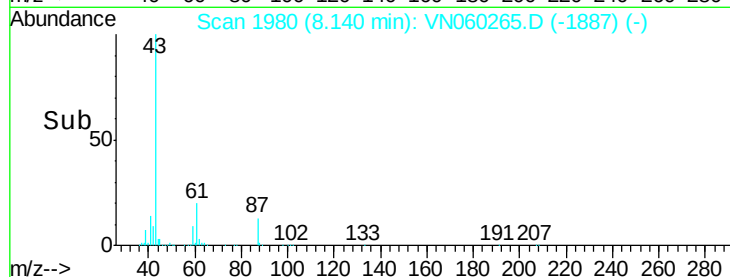
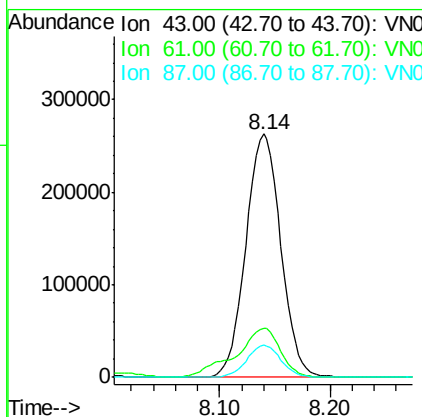
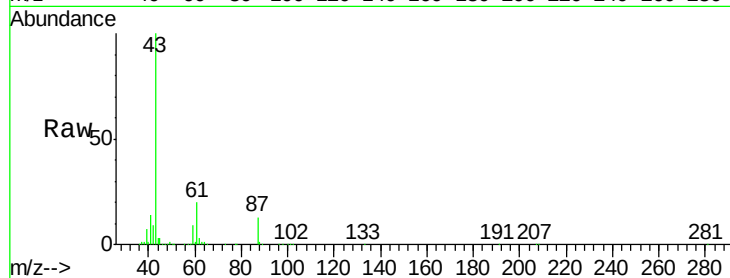
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	576182
Ion	Ratio	Lower	Upper
43	100		
61	26.1	20.9	31.3
87	12.9	10.6	16.0

Manual Integrations
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MMDadoda
2/28/2020 12:31:14 PM



#44

Trichloroethene

Concen: 94.225 ug/l

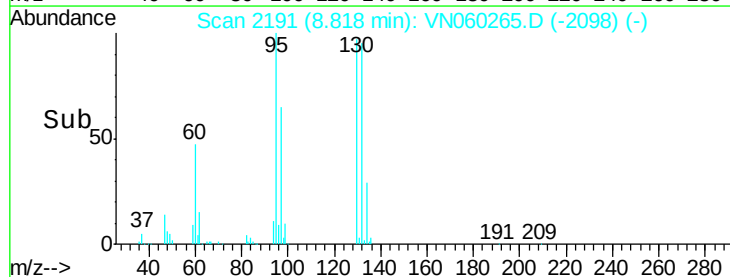
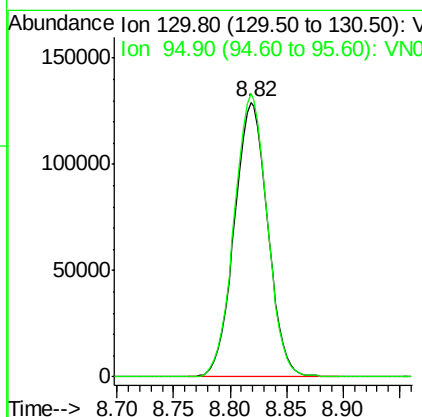
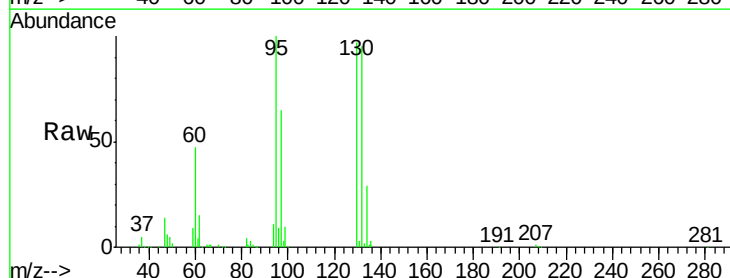
RT: 8.82 min Scan# 2191

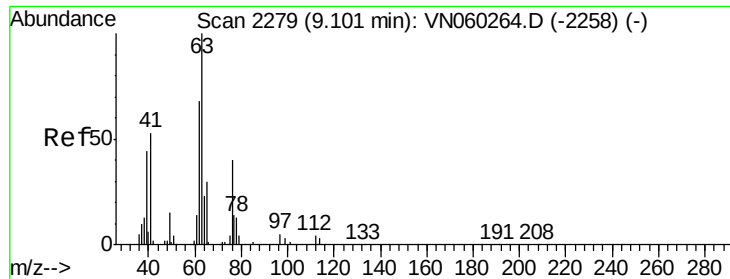
Delta R.T. 0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Tgt Ion:	130	Resp:	265675
Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	203.4





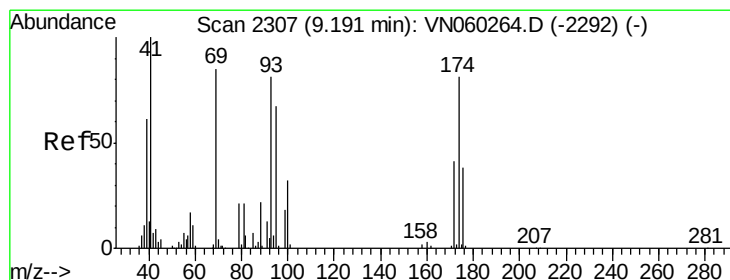
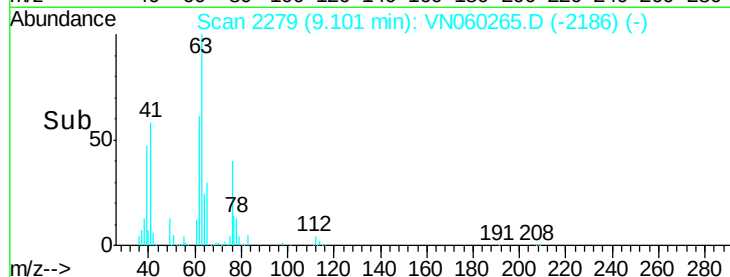
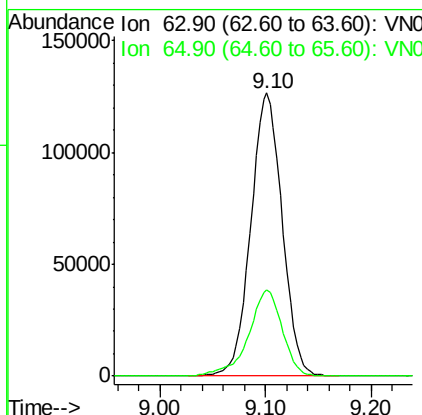
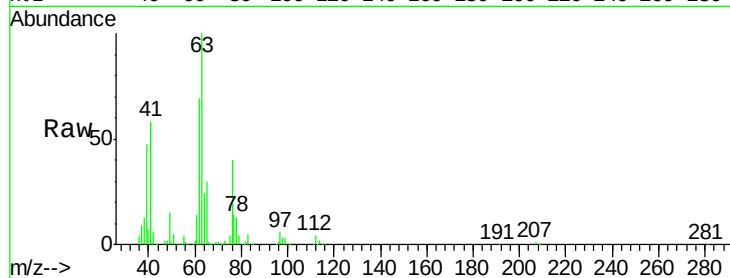
#45
 1,2-Dichloropropane
 Concen: 102.915 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060265.D
 Acq: 27 Feb 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.4	36.6

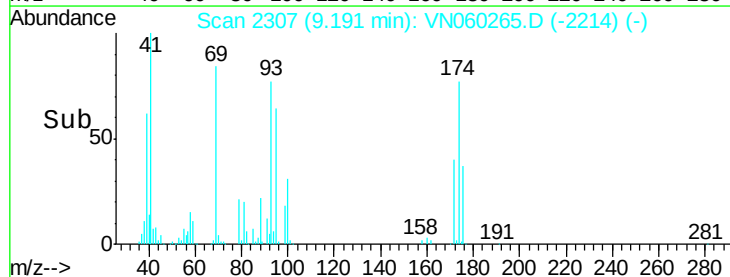
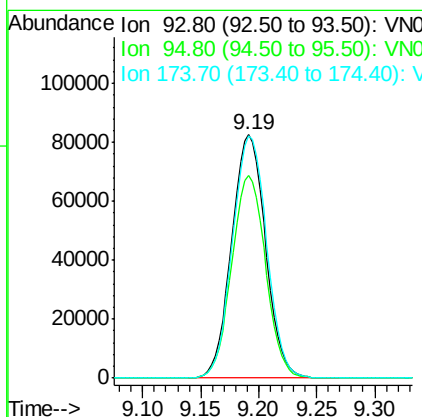
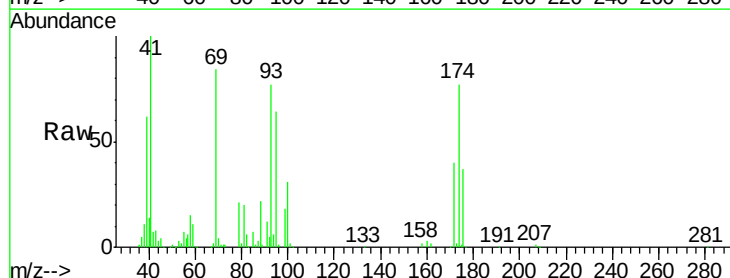
Manual Integrations
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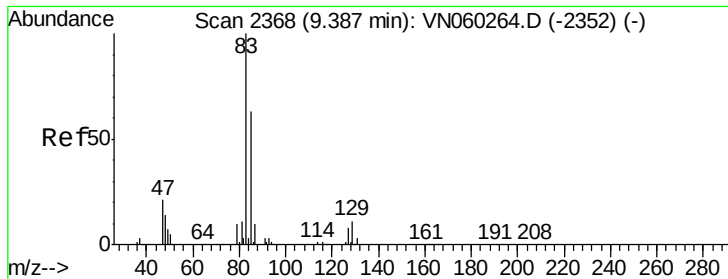
MMDadoda
 2/28/2020 12:31:14 PM



#46
 Dibromomethane
 Concen: 94.678 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060265.D
 Acq: 27 Feb 2020 11:51

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.9	98.9
174	100.5	79.6	119.4





#47

Bromodichloromethane

Concen: 97.105 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_N

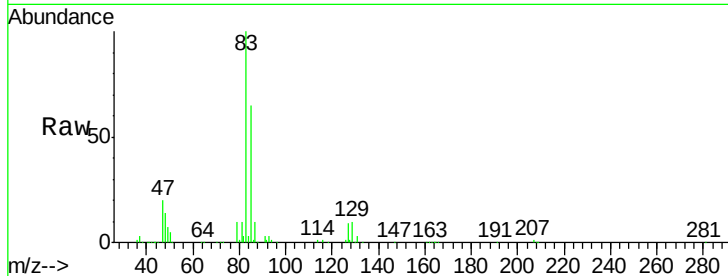
ClientSampleId :

VSTDIC100

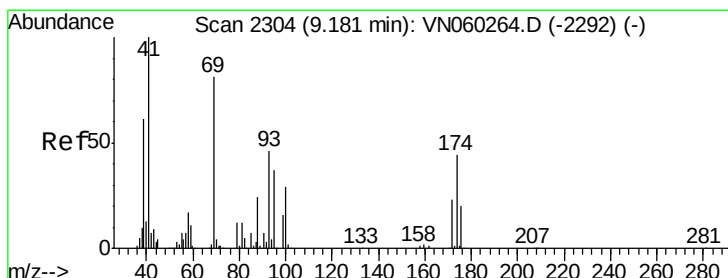
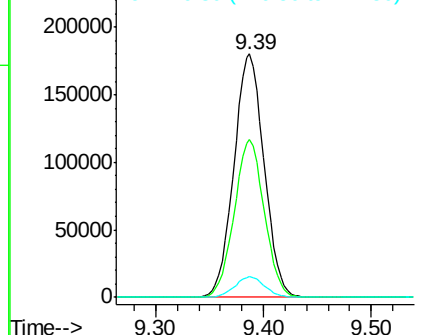
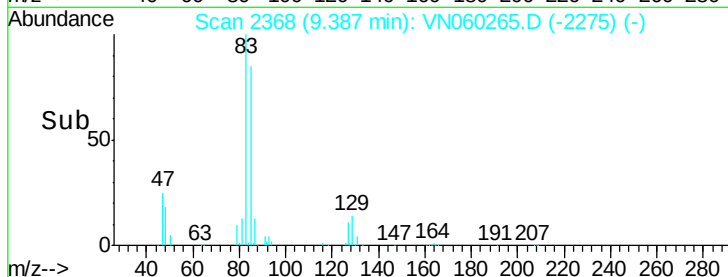
Tot Ion:	83	Resp:	351292
Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.7	76.1
127	8.6	6.8	10.2

Manual Integrations
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MMDadoda
2/28/2020 12:31:14 PM



Abundance Ion 82.90 (82.60 to 83.60): VN060265.D (-2275) (-)



#48

Methyl methacrylate

Concen: 108.960 ug/l

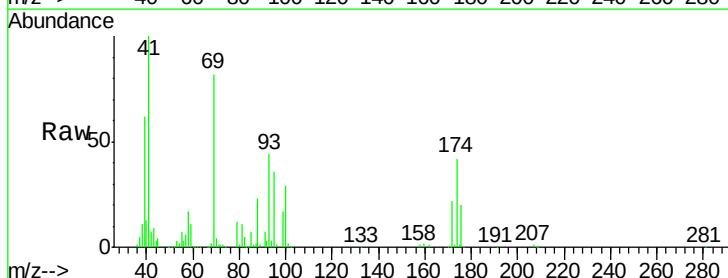
RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

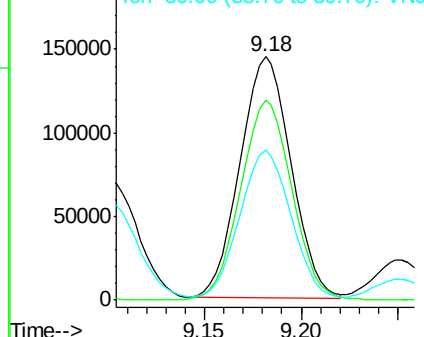
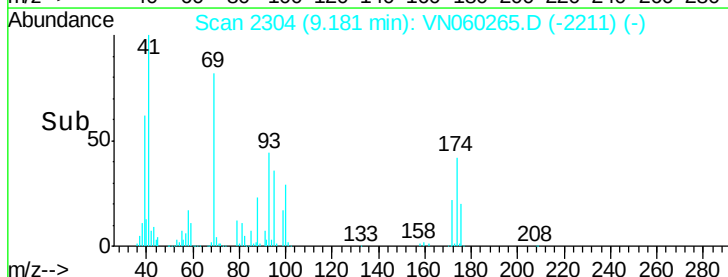
Lab File: VN060265.D

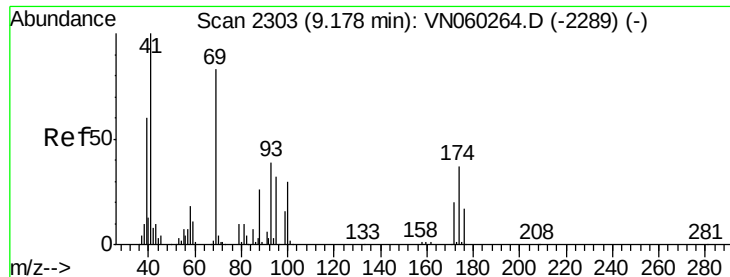
Acq: 27 Feb 2020 11:51

Tgt Ion:	41	Resp:	263907
Ion	Ratio	Lower	Upper
41	100		
69	83.8	66.7	100.1
39	61.1	50.1	75.1



Abundance Ion 41.00 (40.70 to 41.70): VN060265.D (-2211) (-)





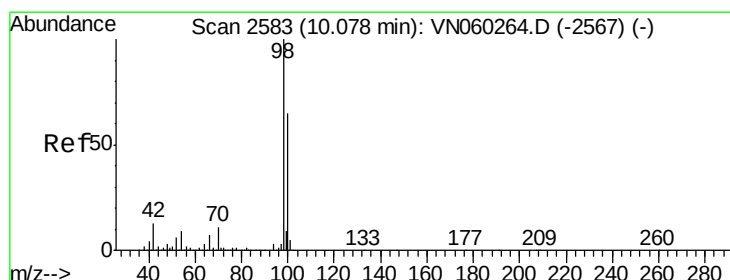
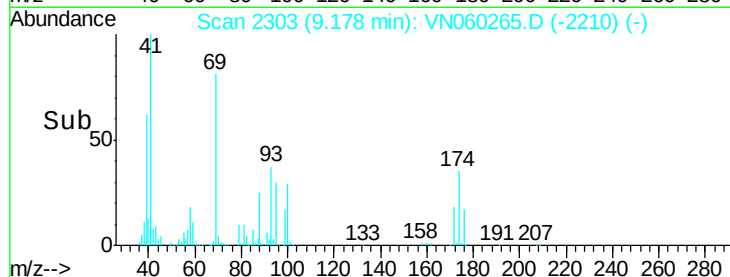
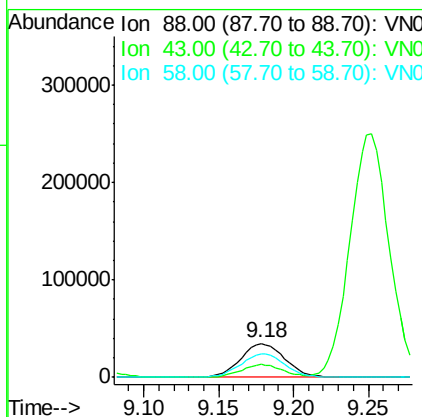
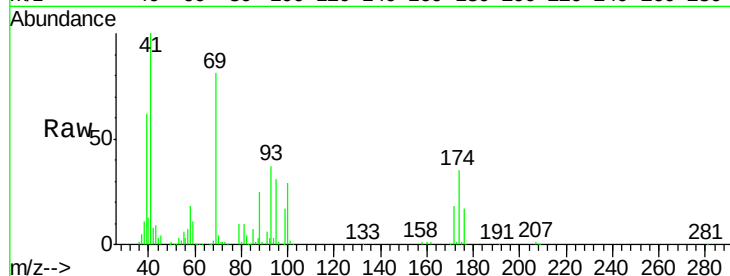
#49
1,4-Dioxane
Concen: 1805.168 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.6	30.4	45.6
58	70.5	57.0	85.6

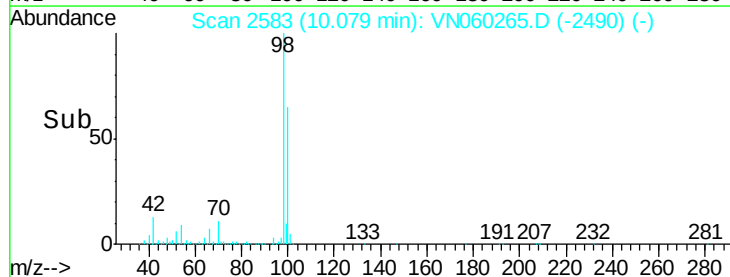
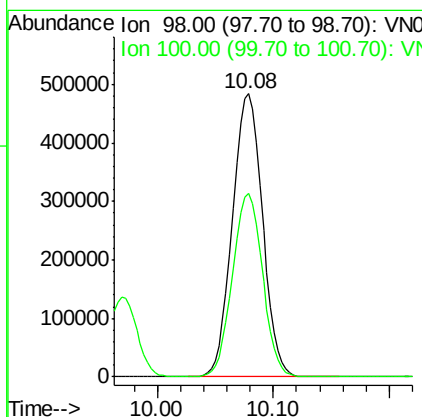
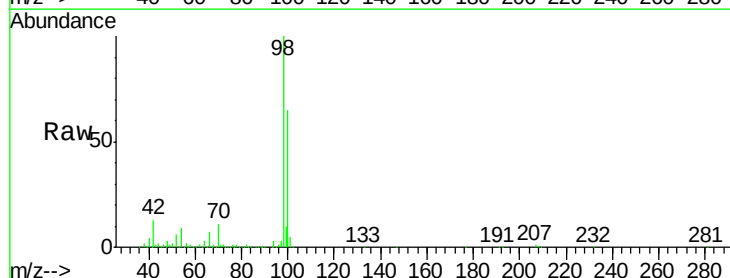
Manual Integrations
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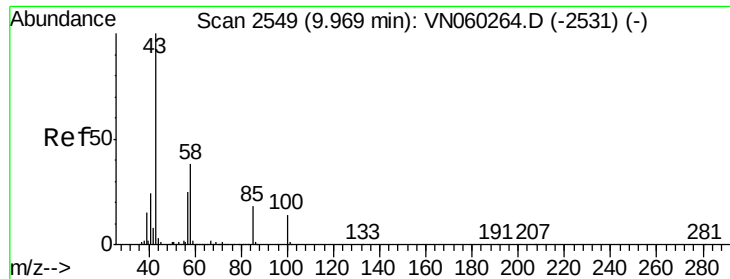
MMDadoda
2/28/2020 12:31:14 PM



#50
Toluene-d8
Concen: 98.420 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.2





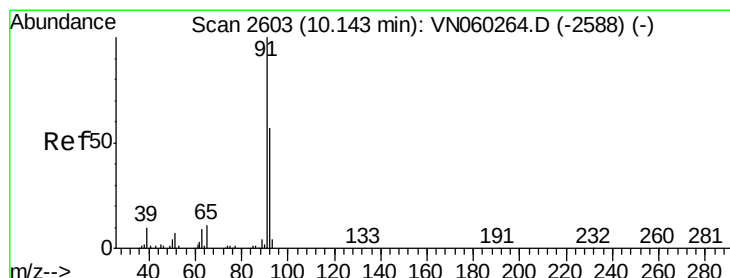
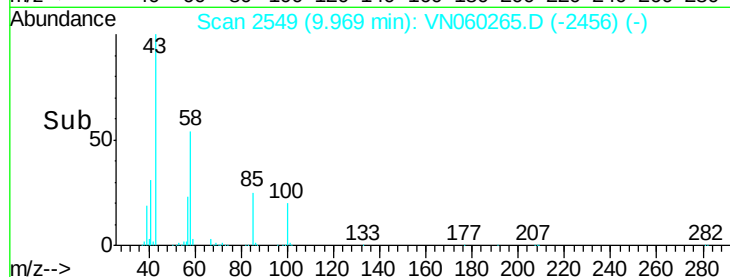
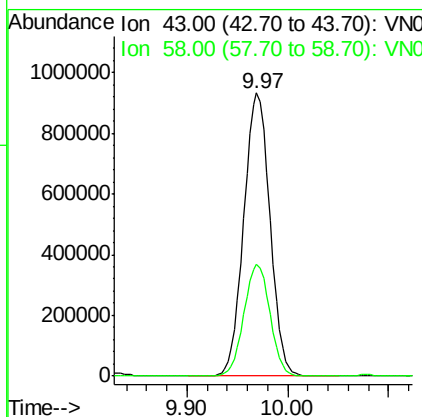
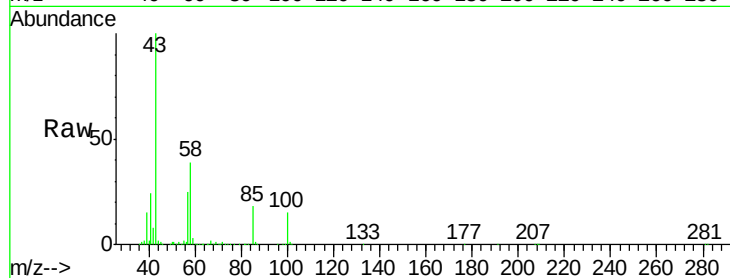
#51
4-Methyl-2-Pentanone
Concen: 535.481 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VSTDICC100

Tot Ion: 43 Resp: 1666131
Ion Ratio Lower Upper
43 100
58 39.3 30.9 46.3

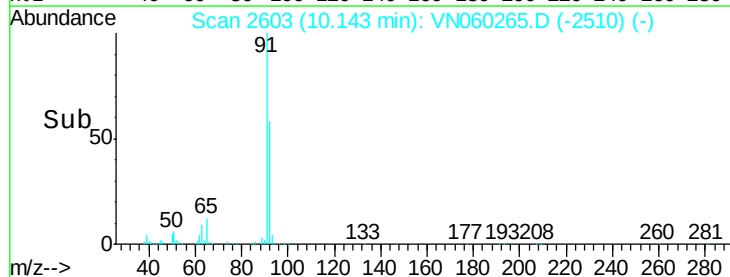
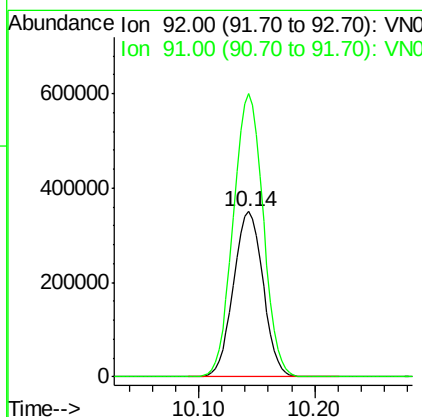
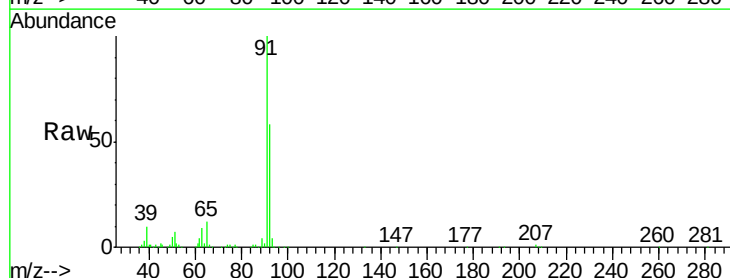
Manual Integrations
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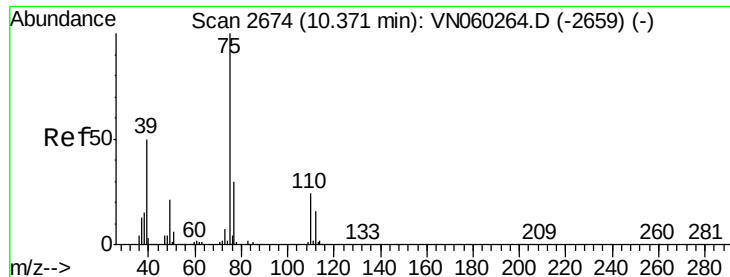
MMDadoda
2/28/2020 12:31:14 PM



#52
Toluene
Concen: 95.407 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Tgt Ion: 92 Resp: 621833
Ion Ratio Lower Upper
92 100
91 172.5 138.1 207.1





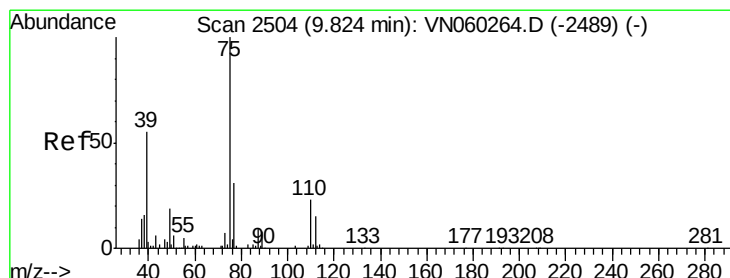
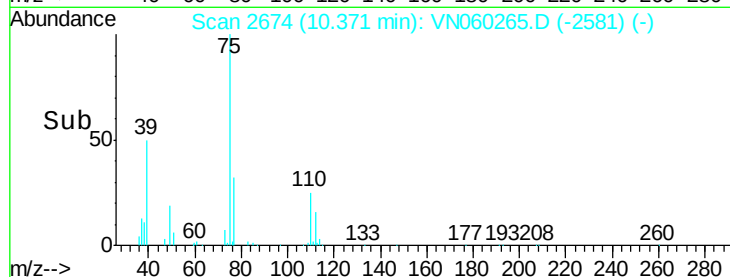
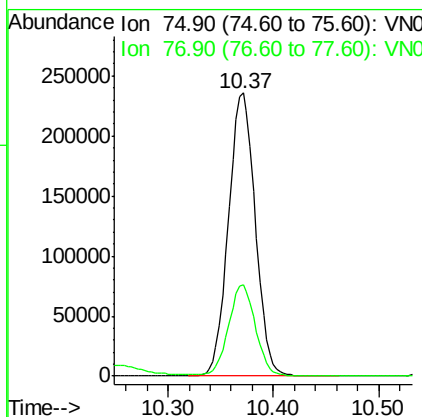
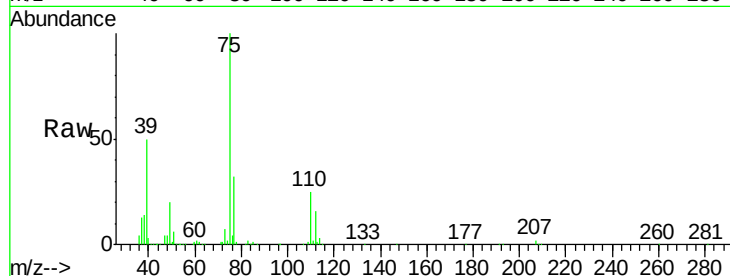
#53
t-1,3-Dichloropropene
Concen: 101.014 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.8	37.2

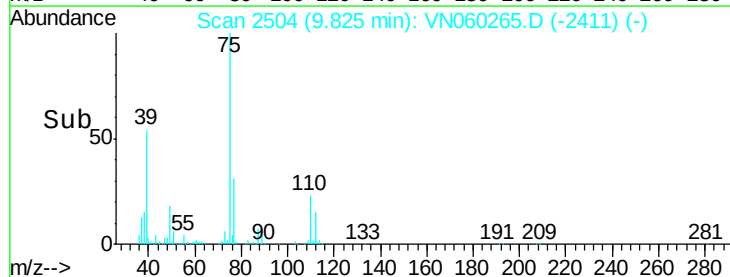
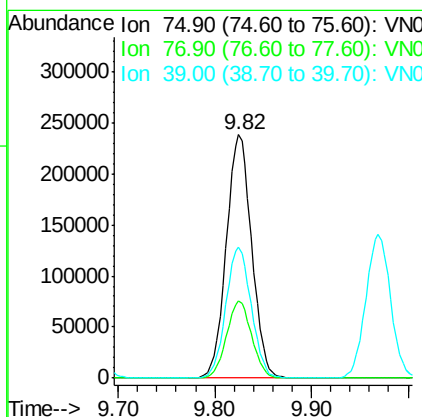
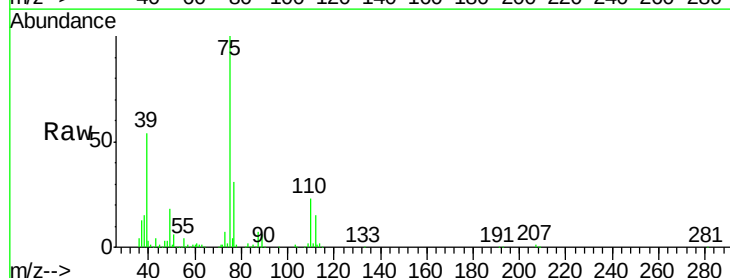
Manual Integrations
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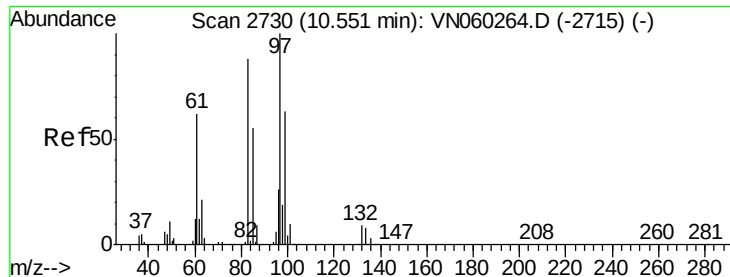
MMDadoda
2/28/2020 12:31:14 PM



#54
cis-1,3-Dichloropropene
Concen: 100.229 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.8	37.2
39	53.5	43.8	65.8





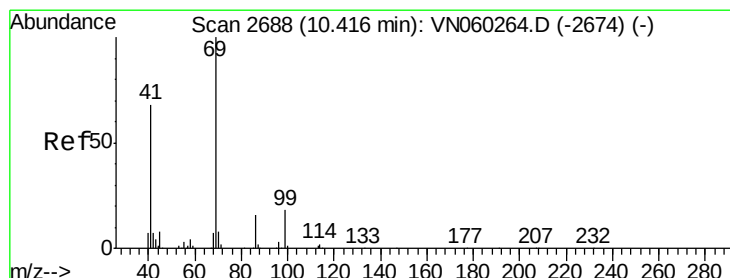
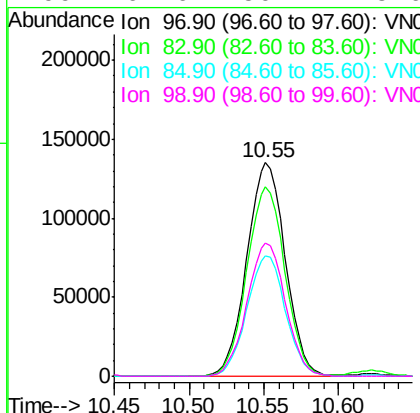
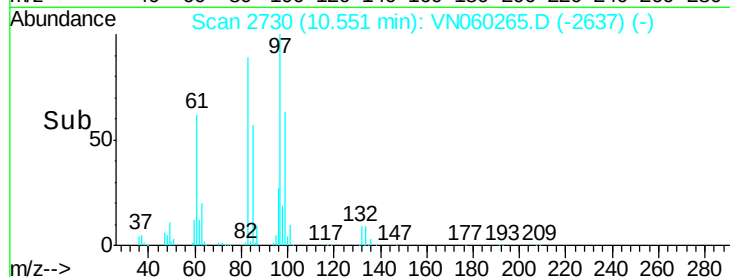
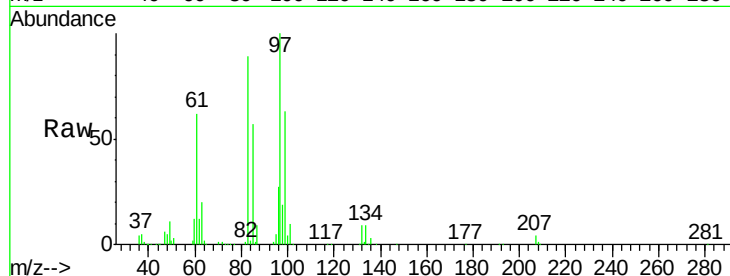
#55
 1,1,2-Trichloroethane
 Concen: 94.877 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060265.D
 Acq: 27 Feb 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	241347
Ion	Ratio	Lower	Upper
97	100		
83	88.7	70.0	105.0
85	56.6	44.0	66.0
99	62.6	50.4	75.6

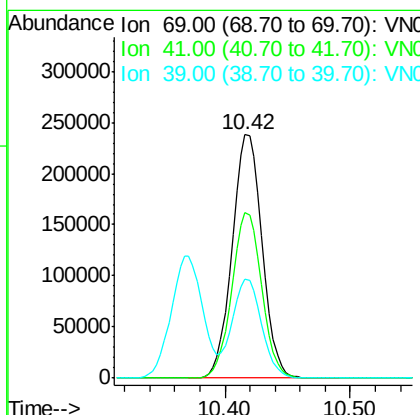
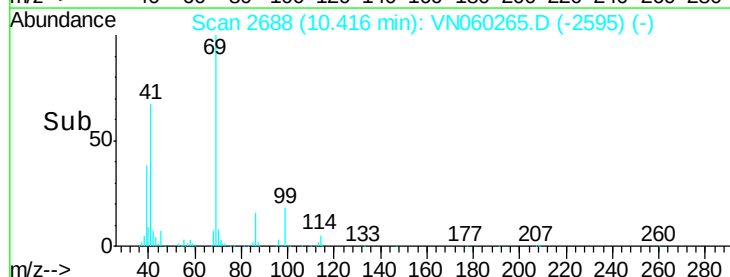
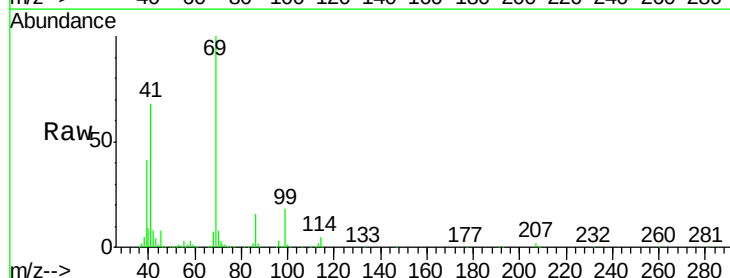
Manual Integrations
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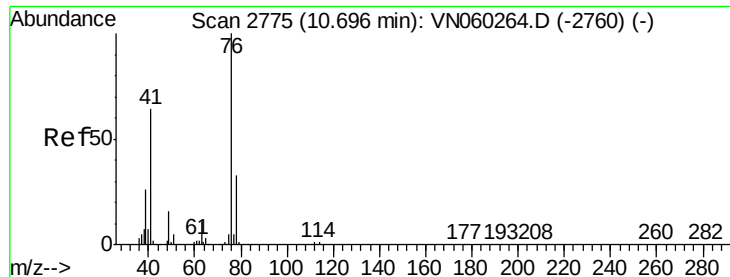
MMDadoda
 2/28/2020 12:31:14 PM



#56
 Ethyl methacrylate
 Concen: 108.684 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060265.D
 Acq: 27 Feb 2020 11:51

Tgt Ion:	69	Resp:	394233
Ion	Ratio	Lower	Upper
69	100		
41	67.5	54.1	81.1
39	40.2	32.5	48.7





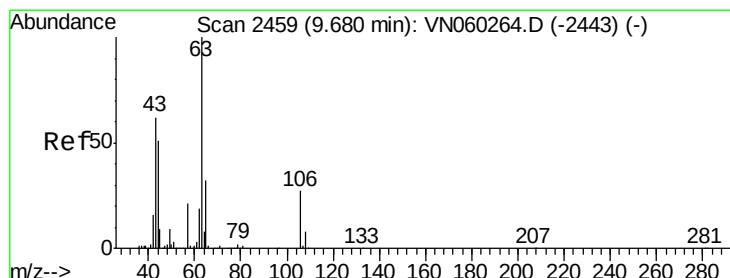
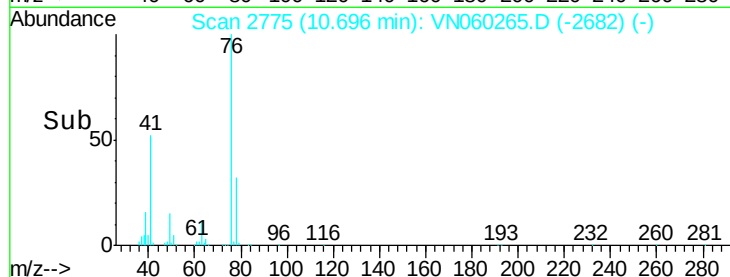
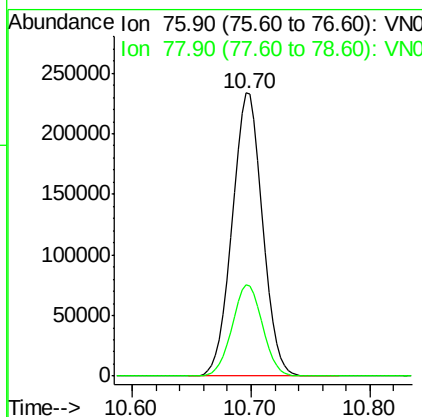
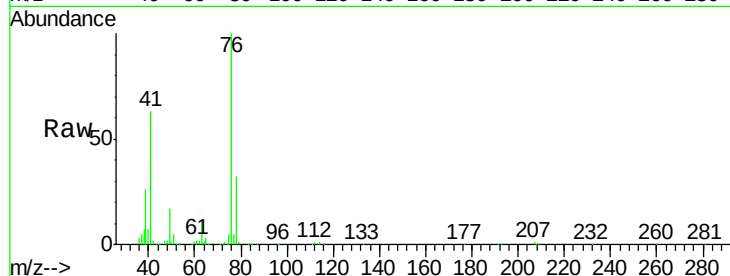
#57
 1,3-Dichloropropane
 Concen: 97.578 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060265.D
 Acq: 27 Feb 2020 11:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.2	39.2

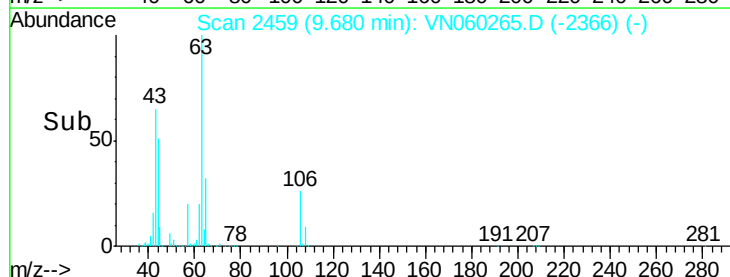
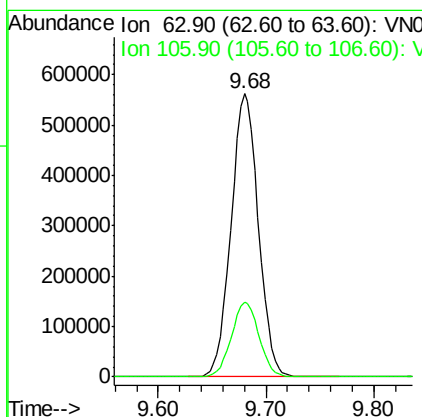
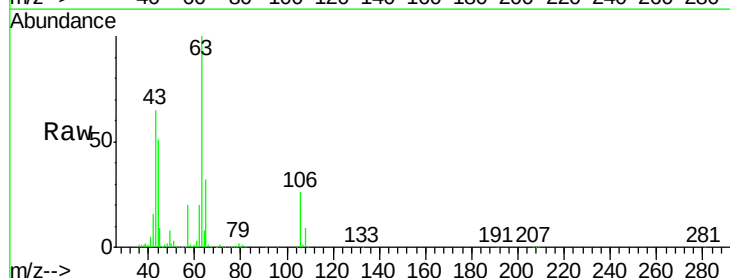
Manual Integrations
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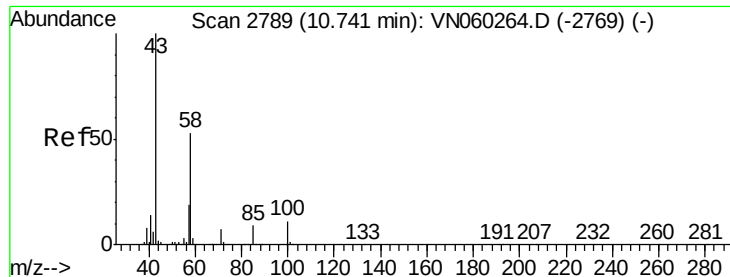
MMDadoda
 2/28/2020 12:31:14 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 577.894 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060265.D
 Acq: 27 Feb 2020 11:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.1	31.7





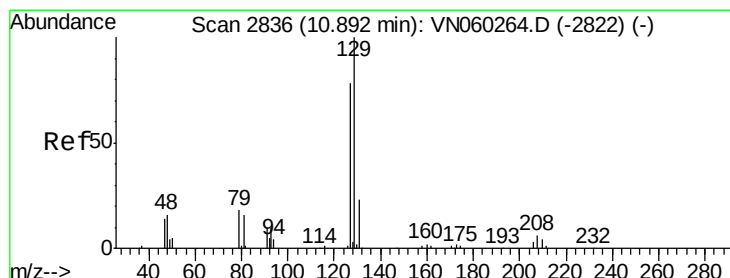
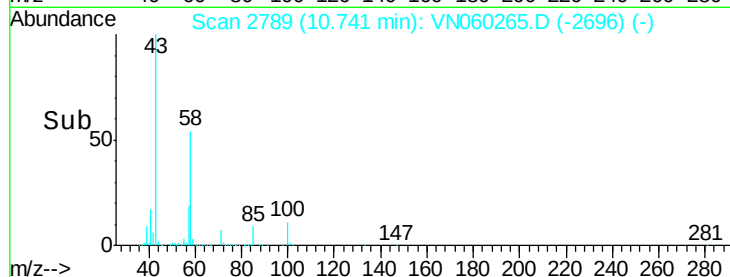
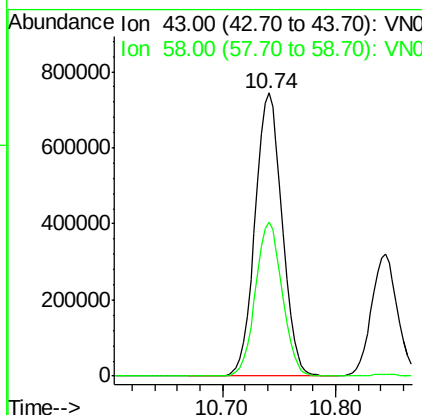
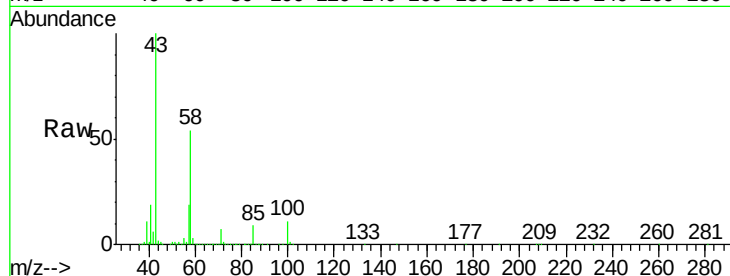
#59
2-Hexanone
Concen: 521.428 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1234110
Ion Ratio Lower Upper
43 100
58 53.9 26.5 79.5

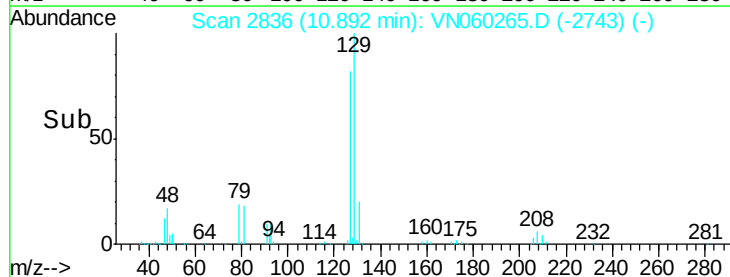
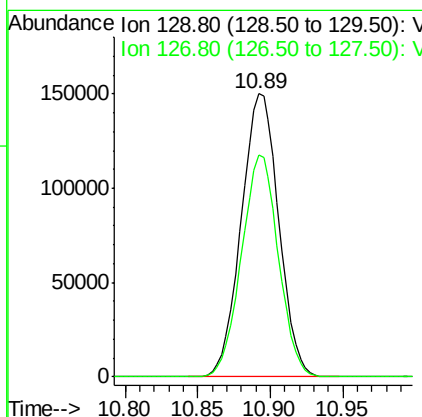
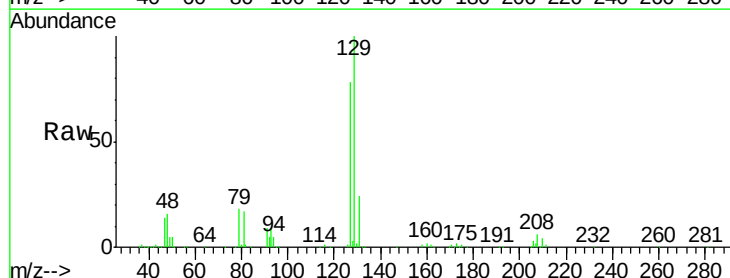
Manual Integrations
APPROVED

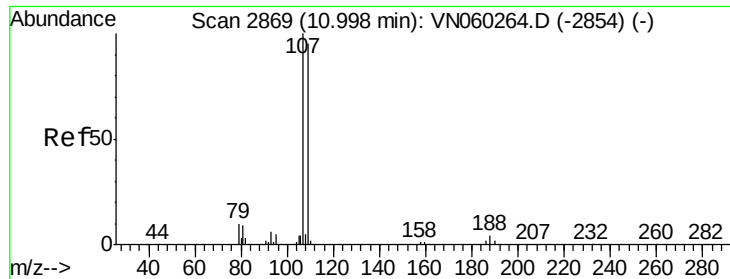
MMDadoda
2/28/2020 12:31:14 PM



#60
Dibromochloromethane
Concen: 93.817 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Tgt Ion: 129 Resp: 270051
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.7





#61

1,2-Dibromoethane

Concen: 95.939 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 253857

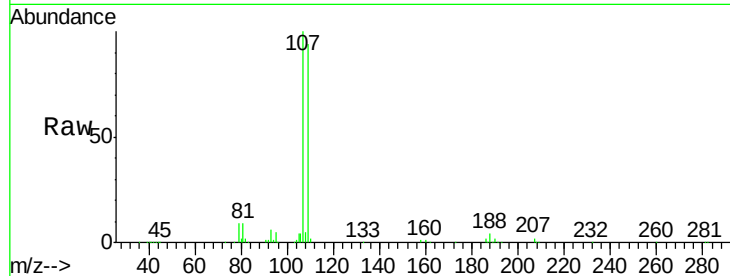
Ion Ratio Lower Upper

107 100

109 94.4 76.8 115.2

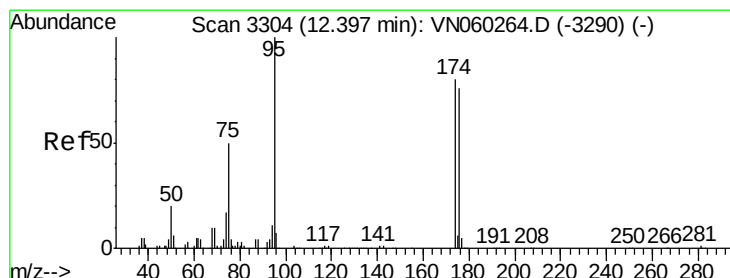
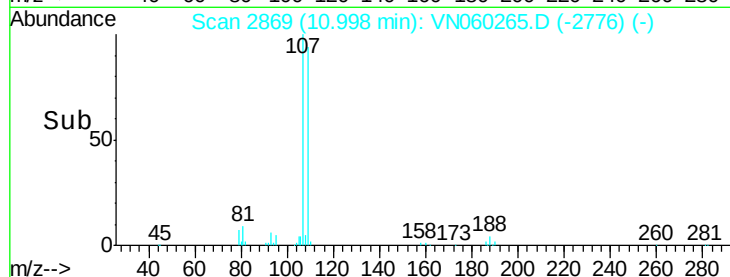
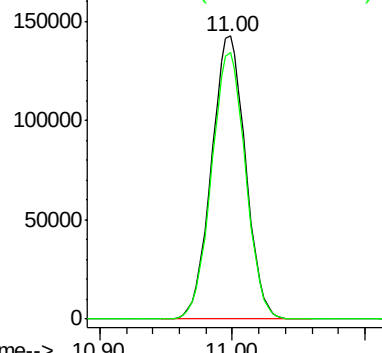
Manual Integrations
APPROVED

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2/28/2020 12:31:14 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 102.848 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

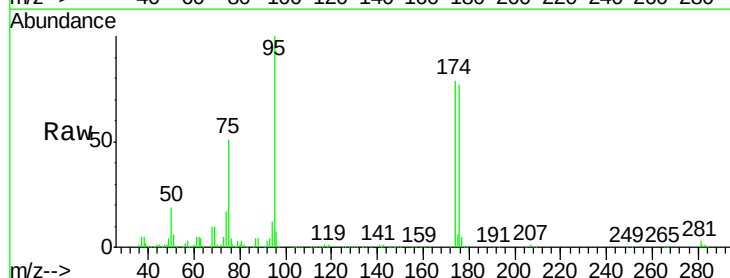
Tgt Ion: 95 Resp: 336101

Ion Ratio Lower Upper

95 100

174 79.1 0.0 159.2

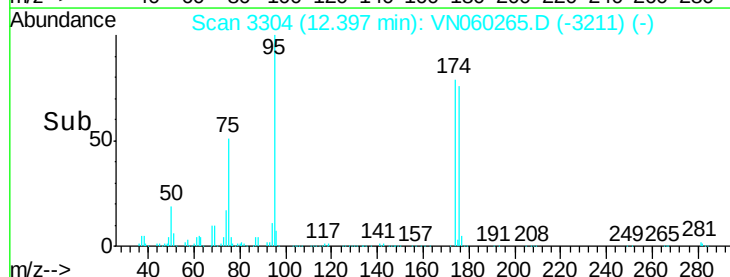
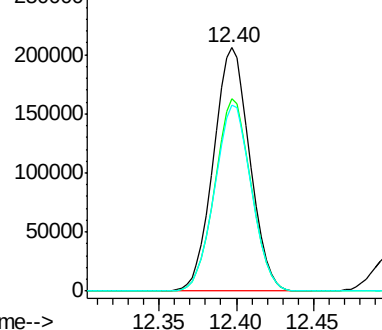
176 77.5 0.0 153.8

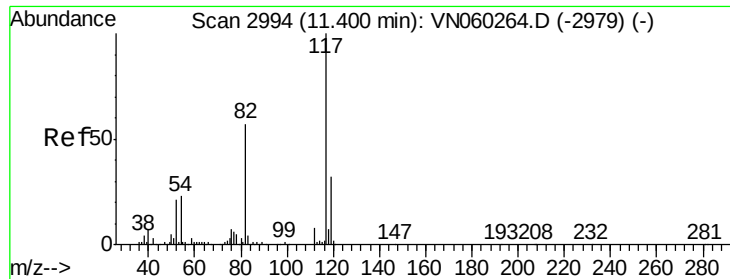


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





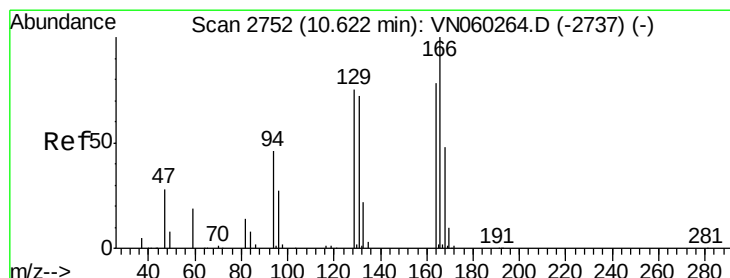
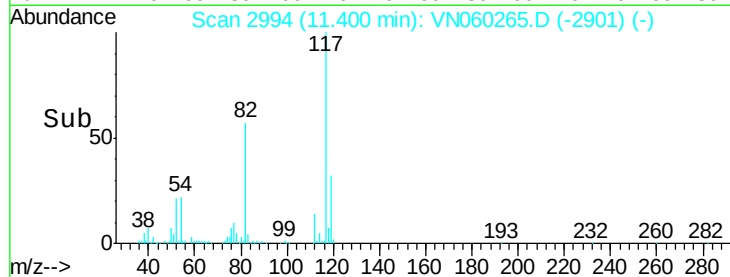
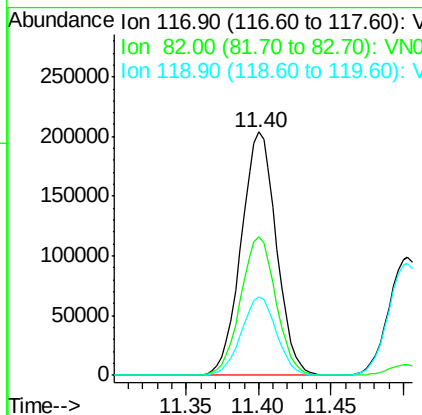
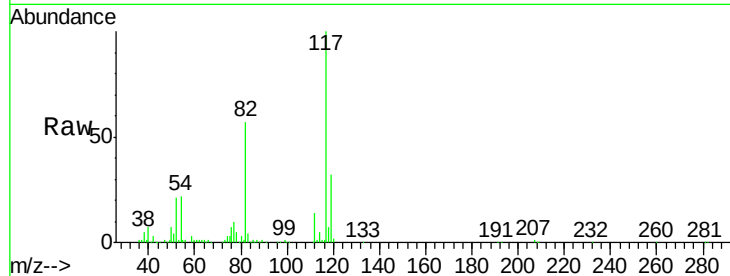
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	344078		
82	56.9		45.8	68.6
119	32.3		25.8	38.8

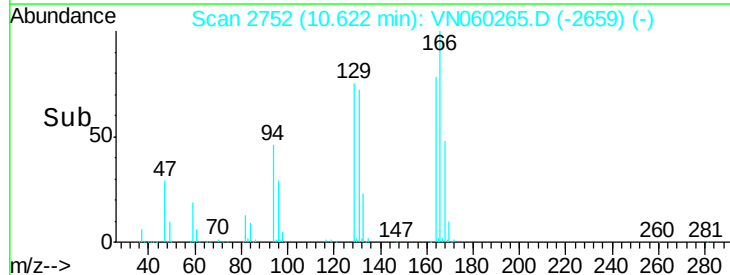
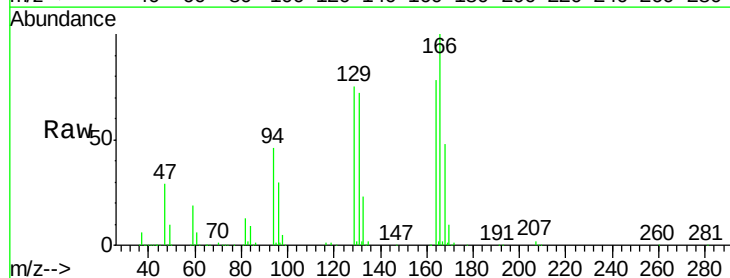
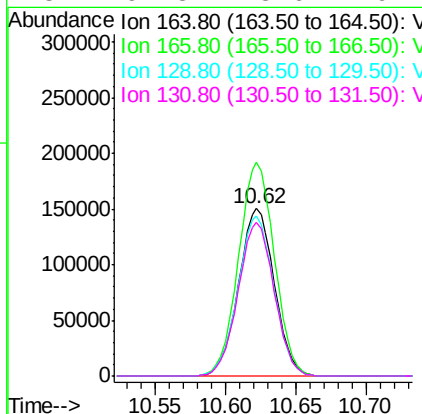
Manual Integrations
APPROVED

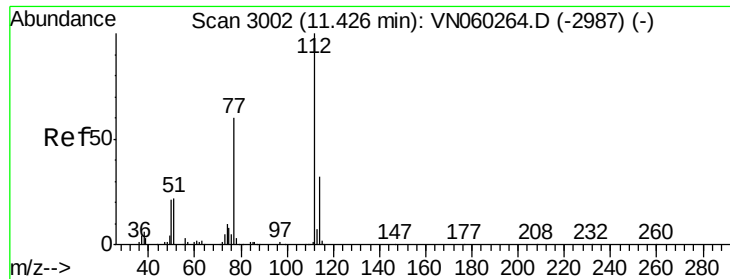
MMDadoda
2/28/2020 12:31:14 PM



#64
Tetrachloroethene
Concen: 100.459 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	267196		
166	127.4		102.0	153.0
129	95.2		76.4	114.6
131	91.3		73.6	110.4





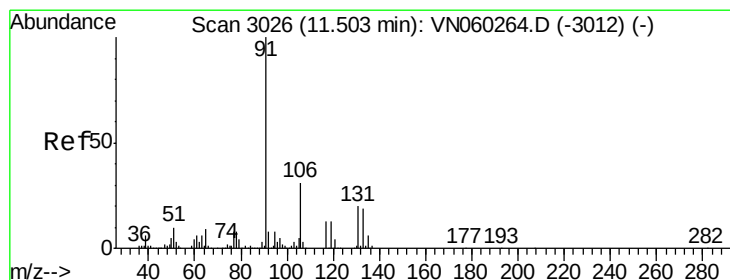
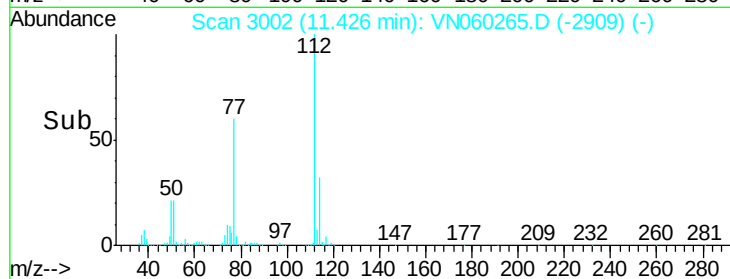
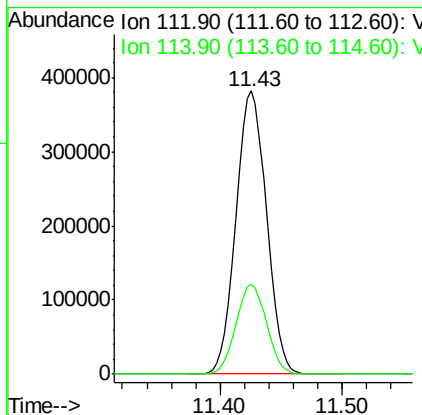
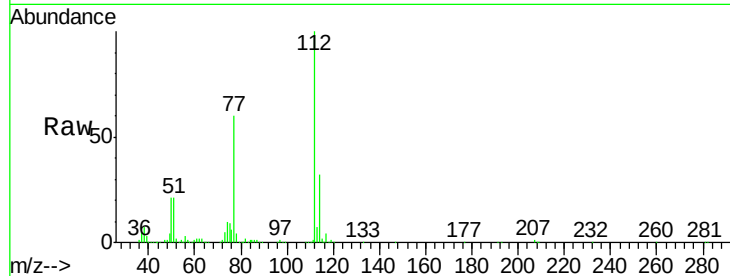
#65
Chlorobenzene
Concen: 94.624 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.4	38.0

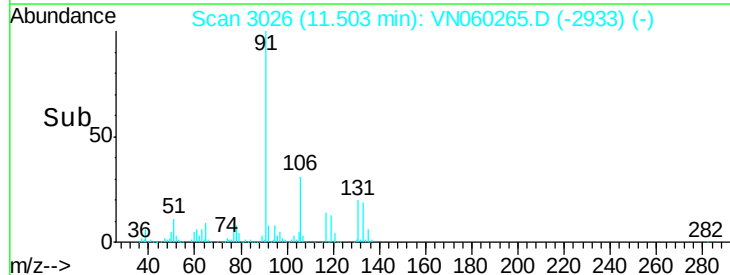
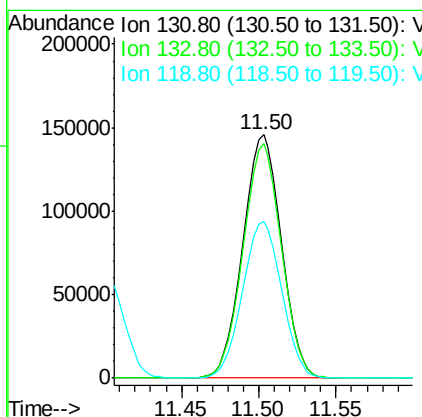
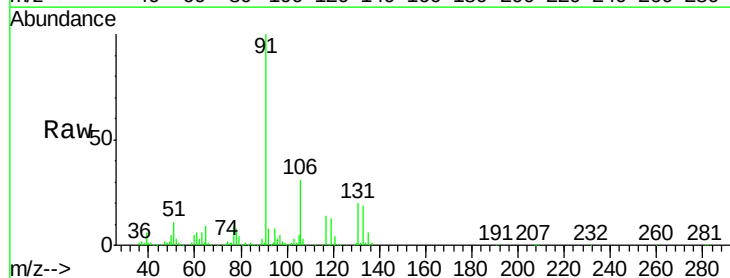
Manual Integrations
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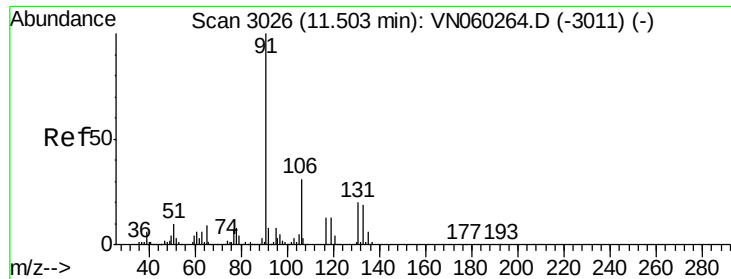
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#66
1,1,1,2-Tetrachloroethane
Concen: 96.186 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.7	143.1
119	65.4	33.2	99.6





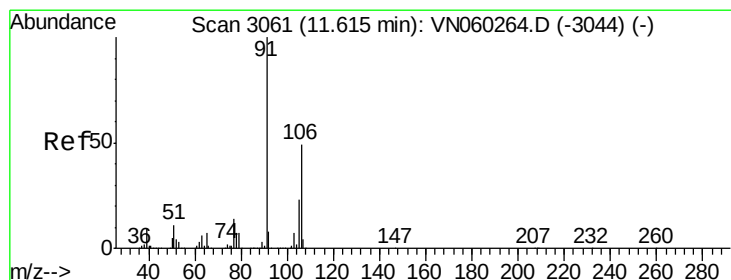
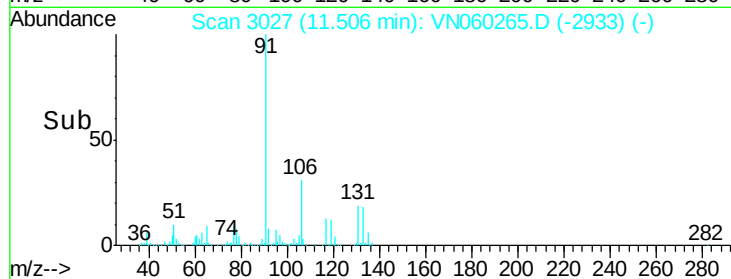
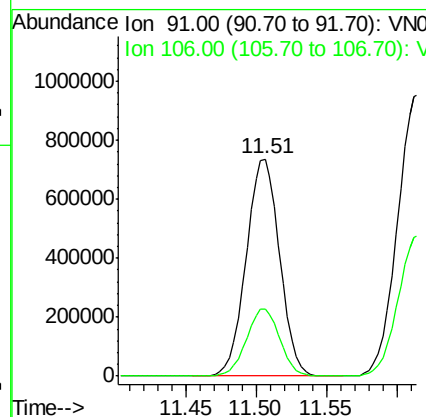
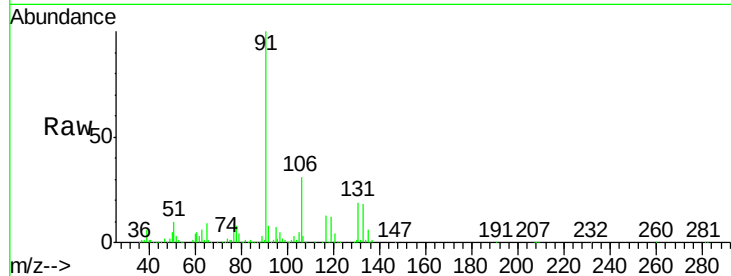
#67
Ethyl Benzene
Concen: 96.867 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1222805
Ion Ratio Lower Upper
91 100
106 31.0 24.7 37.1

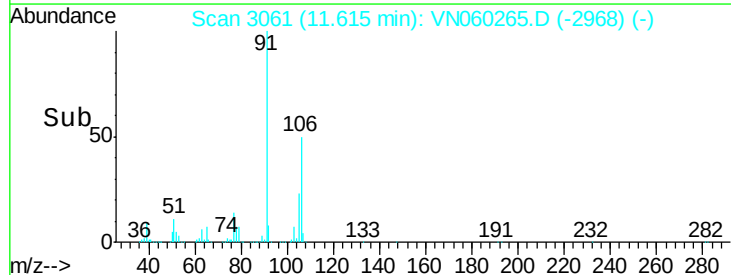
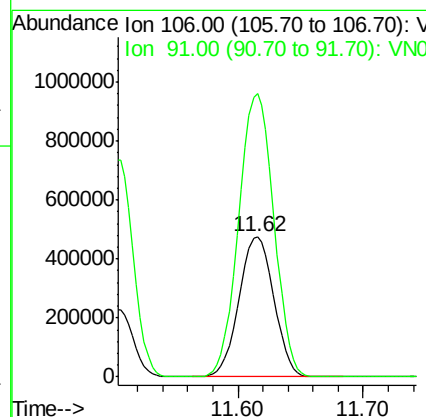
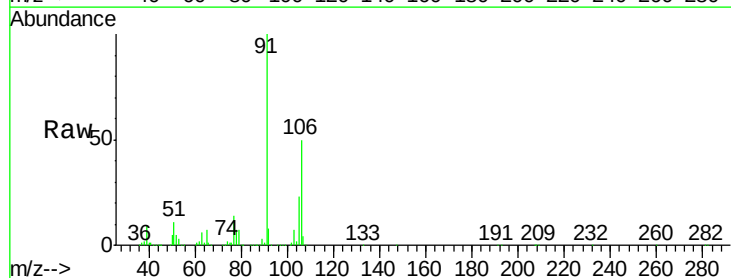
Manual Integrations
APPROVED

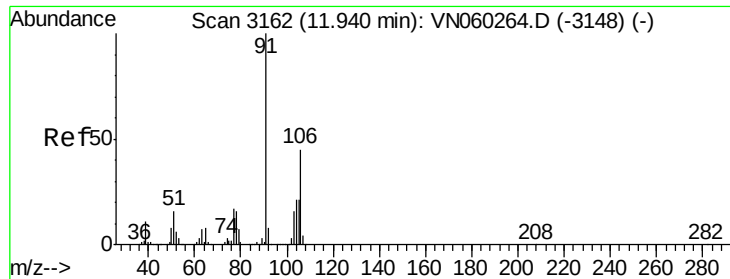
MMDadoda
2/28/2020 12:31:14 PM



#68
m/p-Xylenes
Concen: 194.209 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Tgt Ion: 106 Resp: 917838
Ion Ratio Lower Upper
106 100
91 203.4 164.5 246.7





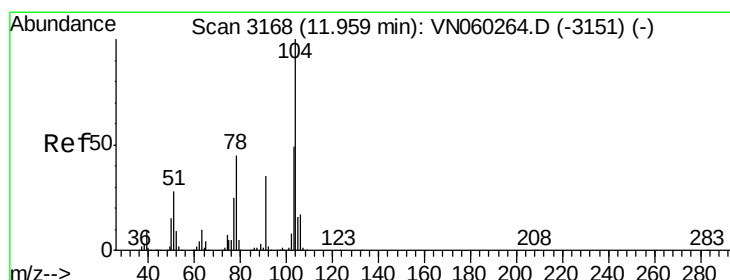
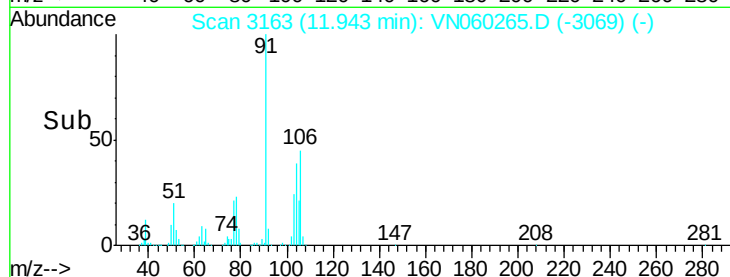
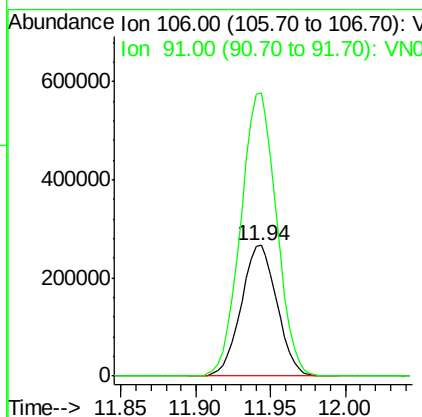
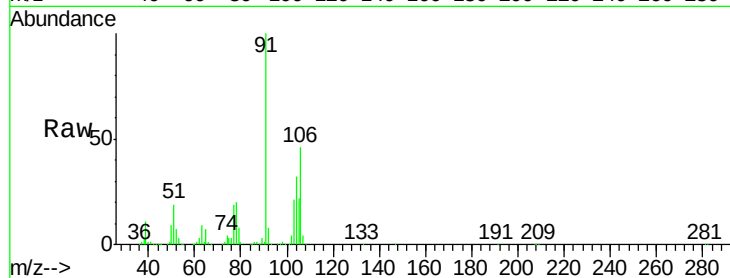
#69
o-Xylene
Concen: 97.291 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	217.1	109.5	328.4	

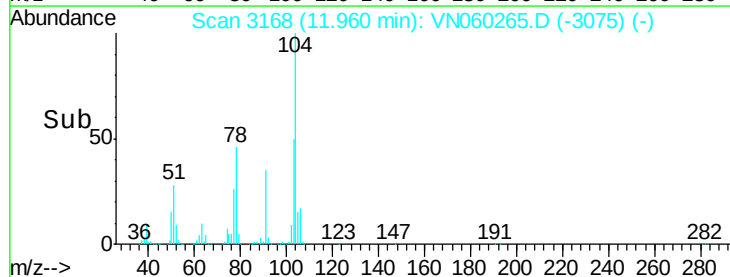
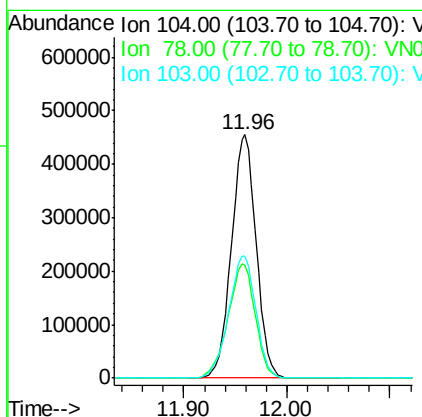
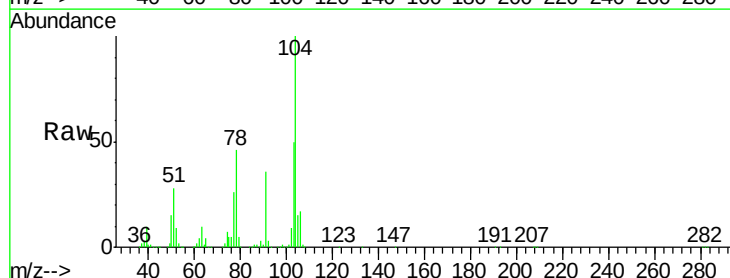
Manual Integrations
APPROVED

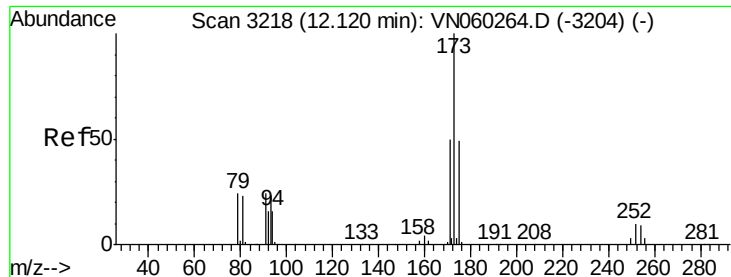
MMDadoda
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#70
Styrene
Concen: 103.637 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.4	41.2	61.8	
103	55.1	43.9	65.9	





#71

Bromoform

Concen: 95.543 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_N

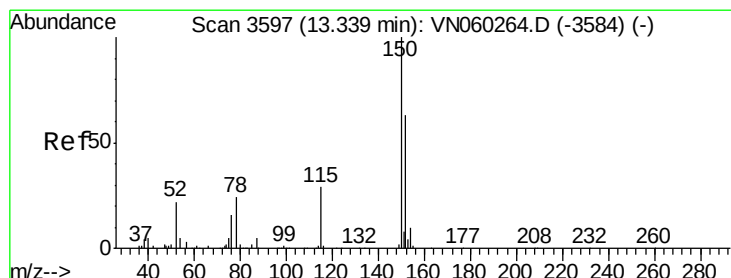
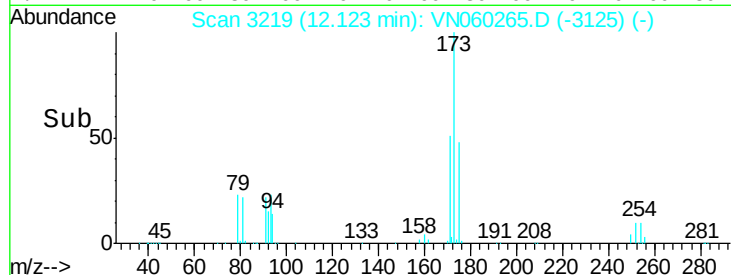
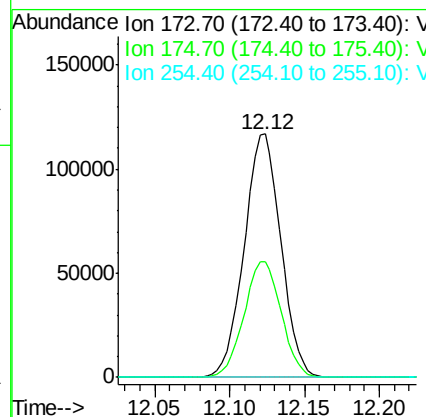
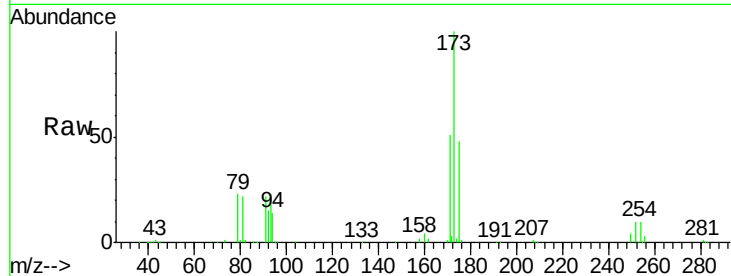
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.1	72.2
254	0.1	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

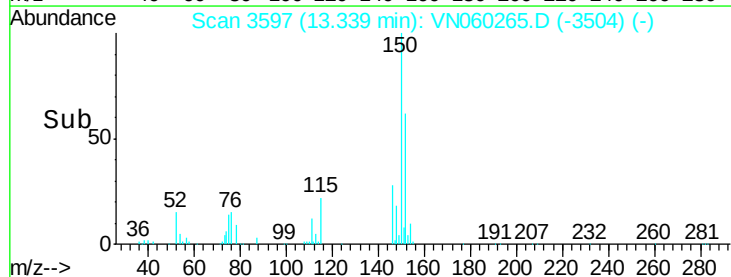
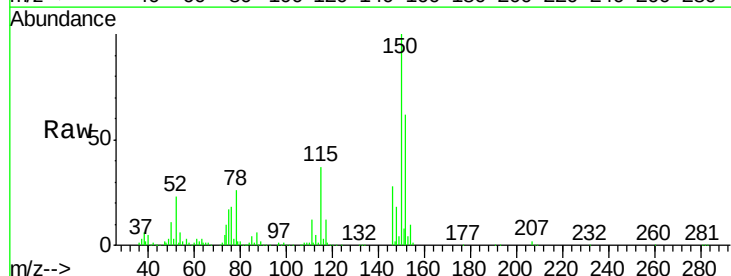
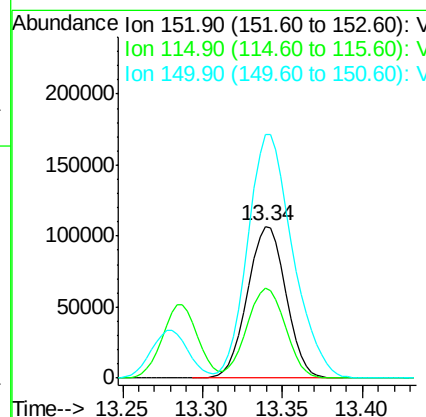
RT: 13.34 min Scan# 3597

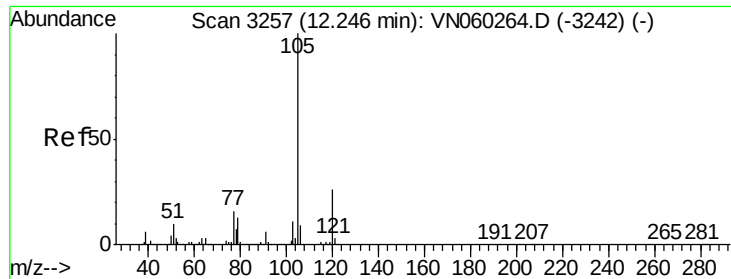
Delta R.T. 0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	30.0	90.0
150	188.2	0.0	349.6





#73

Isopropylbenzene

Concen: 91.495 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1198737

Ion Ratio Lower Upper

105 100

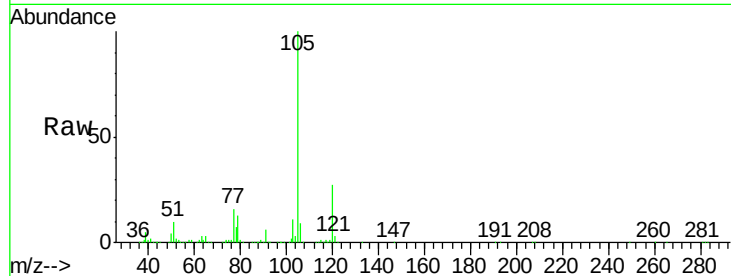
120 26.4 13.0 38.9

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

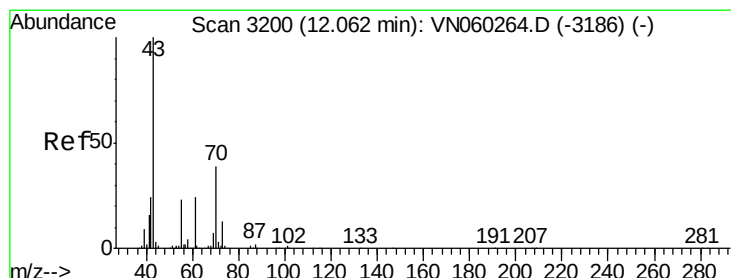
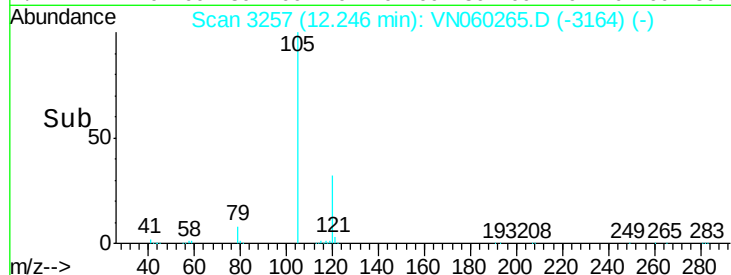
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 112.173 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Tgt Ion: 43 Resp: 541094

Ion Ratio Lower Upper

43 100

70 40.0 32.2 48.2

55 22.8 18.2 27.4

61 24.0 19.2 28.8

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

500000

400000

300000

200000

100000

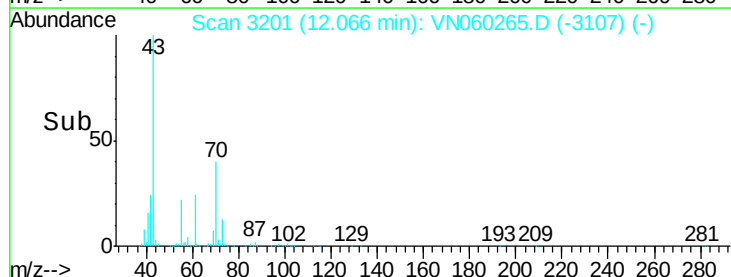
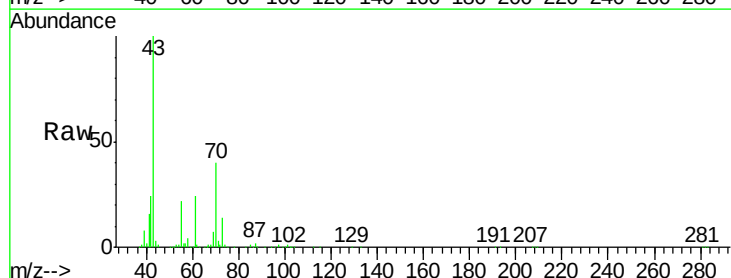
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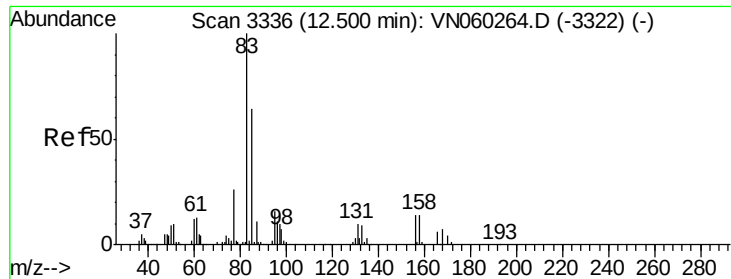
12.00

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 90.810 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_N

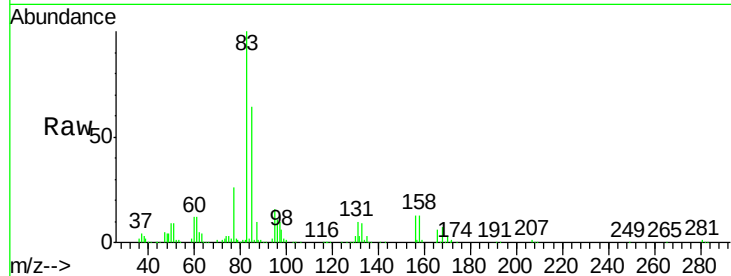
ClientSampled :

VSTDIC100

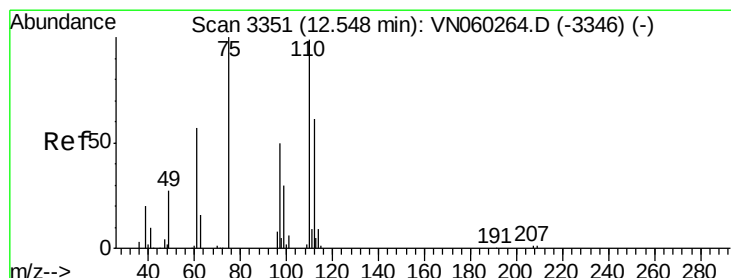
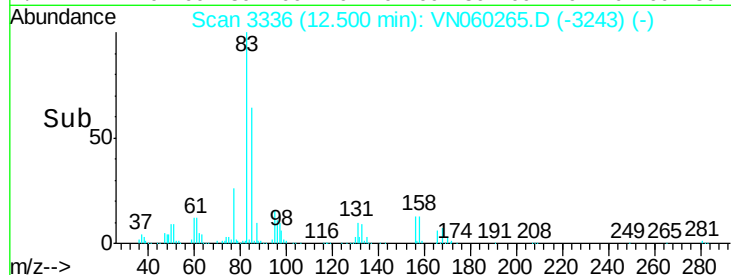
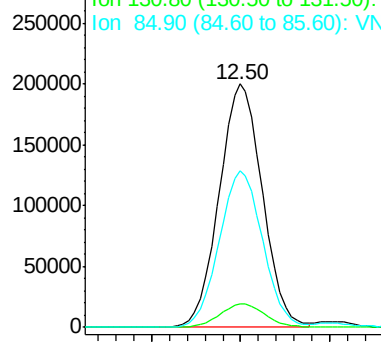
Tot Ion:	83	Resp:	338430
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.3
85	64.6	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN060265.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 107.936 ug/l m

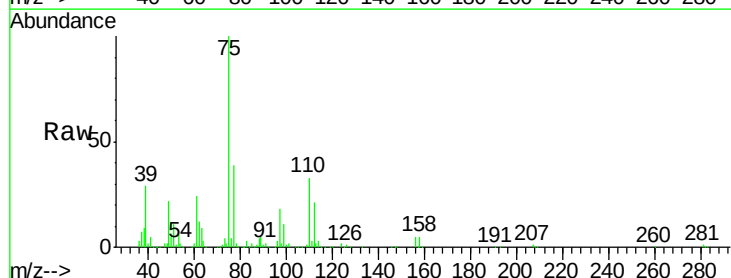
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

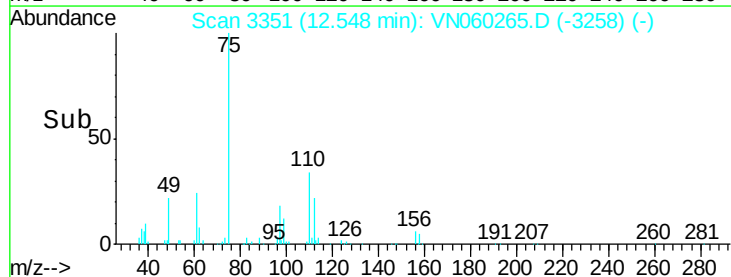
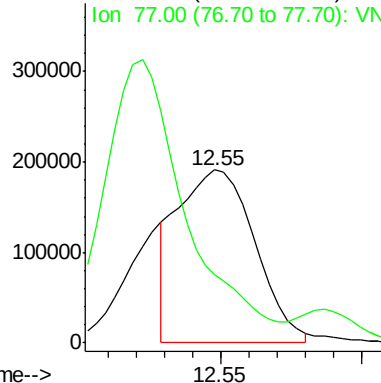
Lab File: VN060265.D

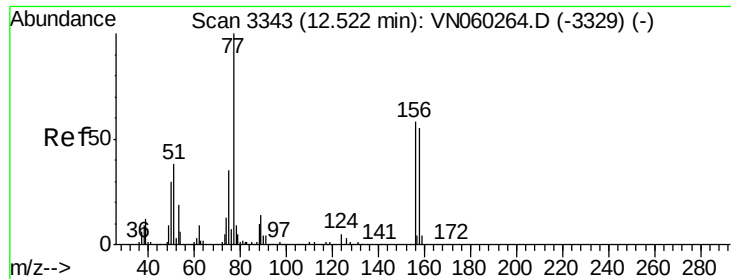
Acq: 27 Feb 2020 11:51

Tgt Ion:	75	Resp:	363942
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060265.D (-3346) (-)





#77

Bromobenzene

Concen: 91.016 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_N

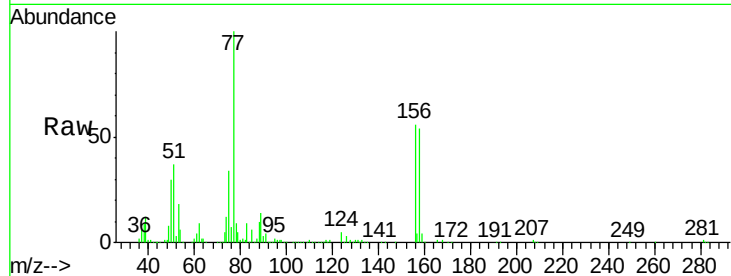
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	294424
Ion Ratio	Lower	Upper	
156	100		
77	213.9	106.1	318.3
158	97.3	48.3	144.8

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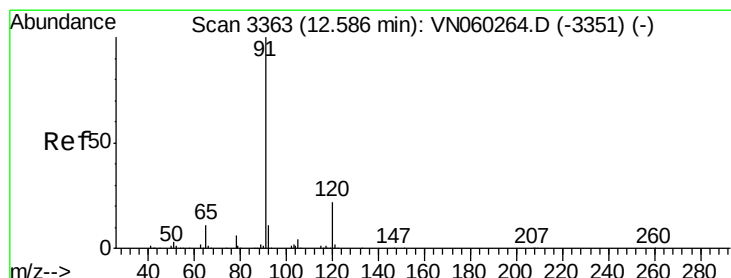
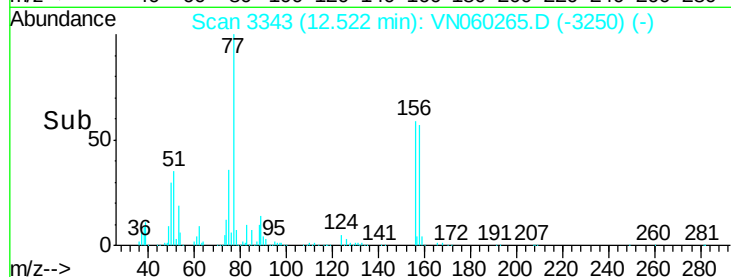
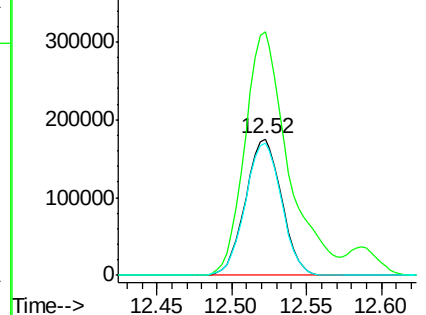
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 94.378 ug/l

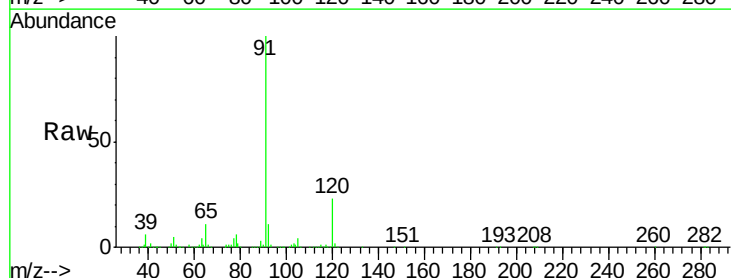
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060265.D

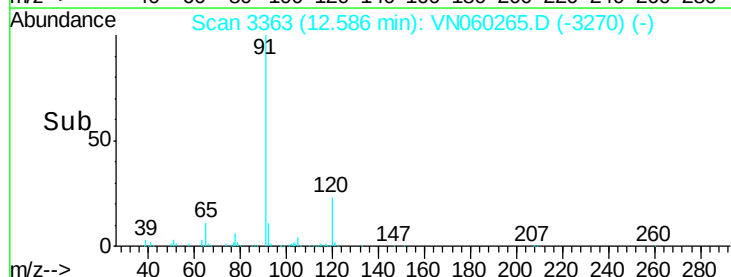
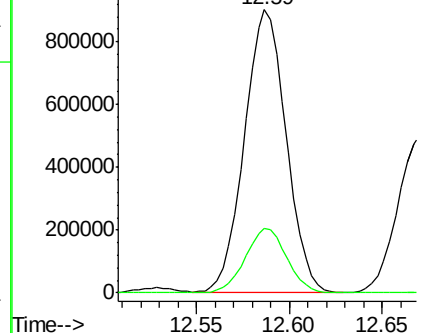
Acq: 27 Feb 2020 11:51

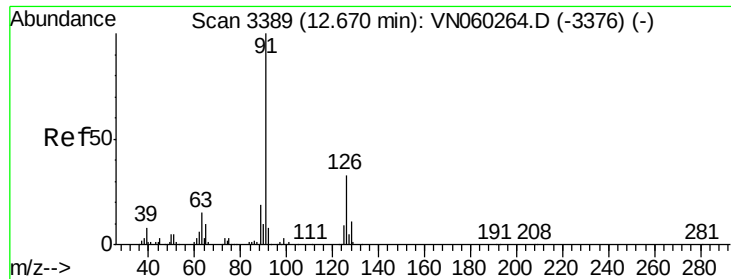
Tgt Ion:	91	Resp:	1413868
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.3	33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 93.888 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 826798

Ion Ratio Lower Upper

91 100

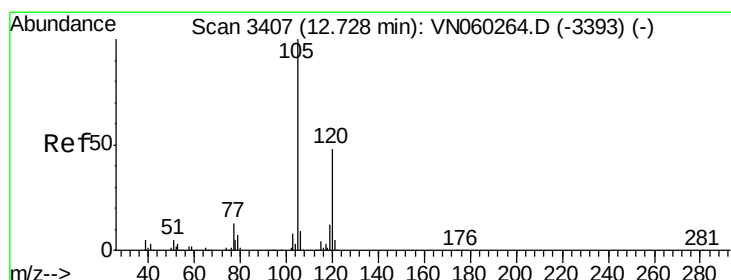
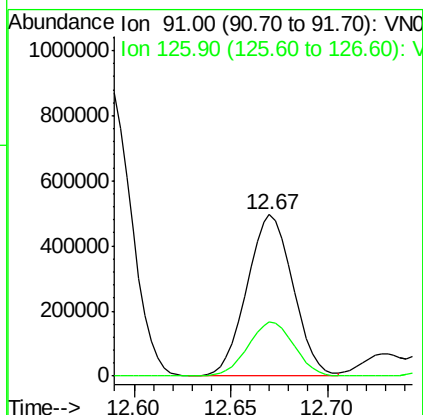
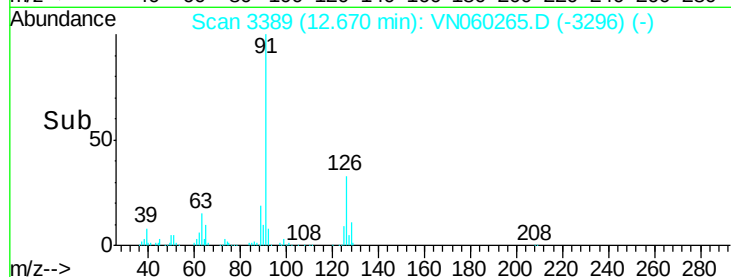
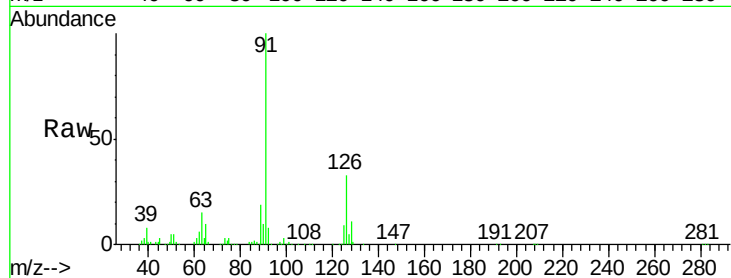
126 33.3 16.6 49.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 93.744 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060265.D

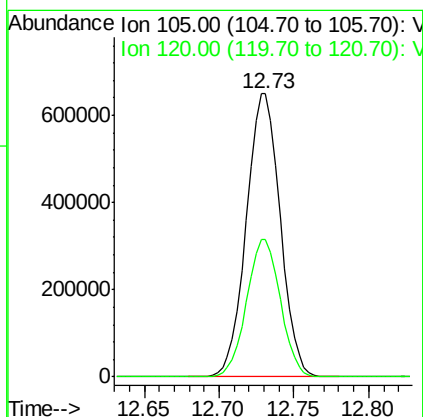
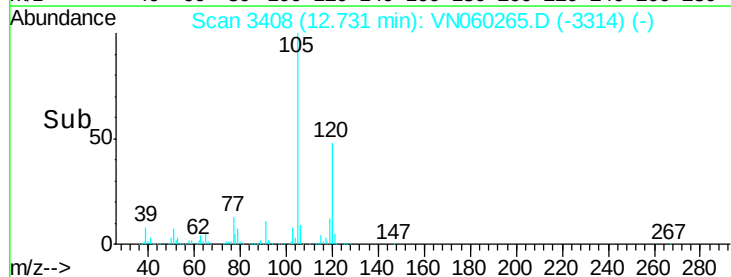
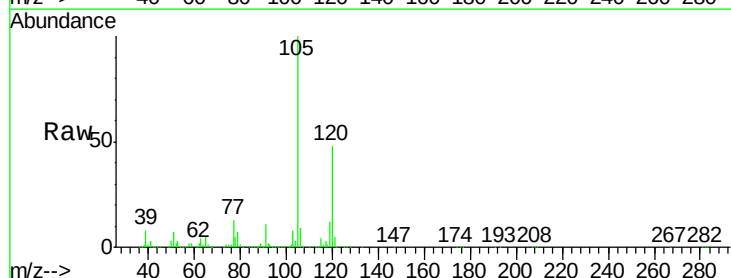
Acq: 27 Feb 2020 11:51

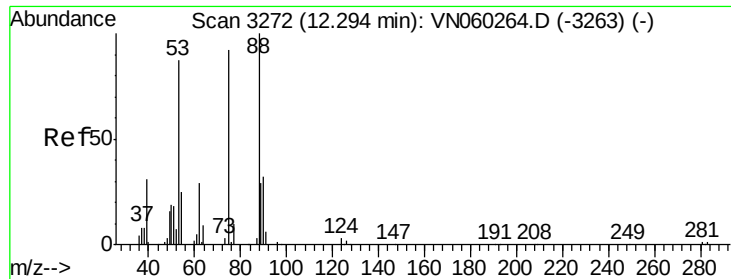
Tgt Ion: 105 Resp: 1022467

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.4





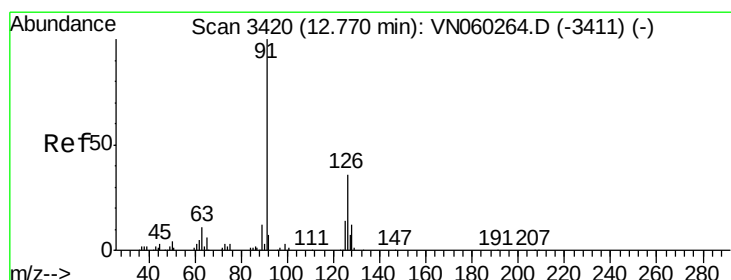
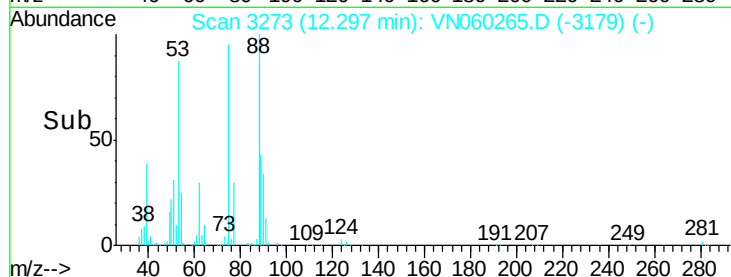
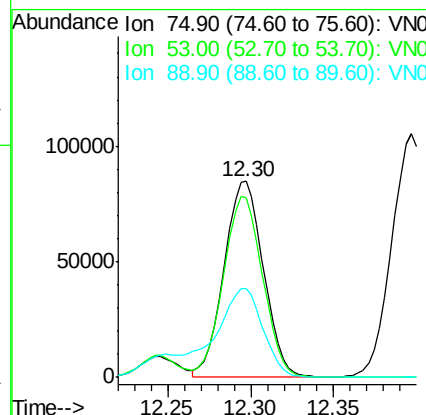
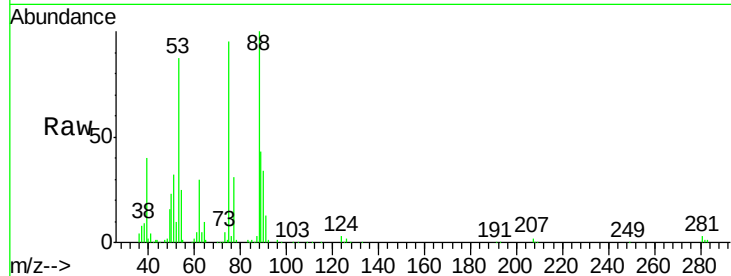
#81
trans-1,4-Dichloro-2-butene
Concen: 100.677 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.2	73.8	110.6
89	53.7	57.1	85.7#

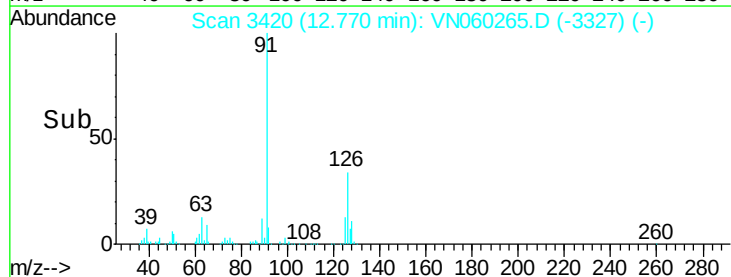
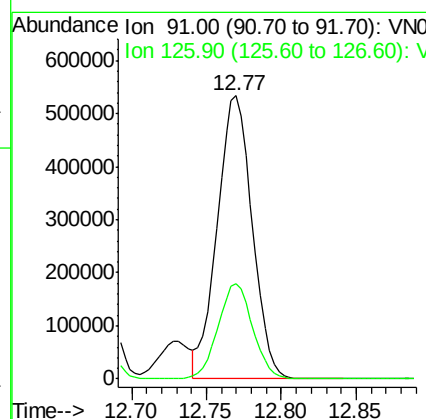
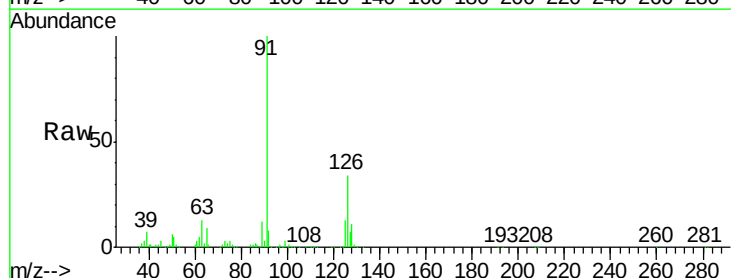
Manual Integrations
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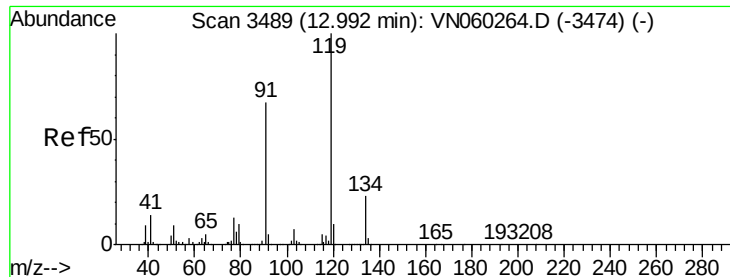
MMDadoda
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#82
4-Chlorotoluene
Concen: 95.789 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.7	50.1





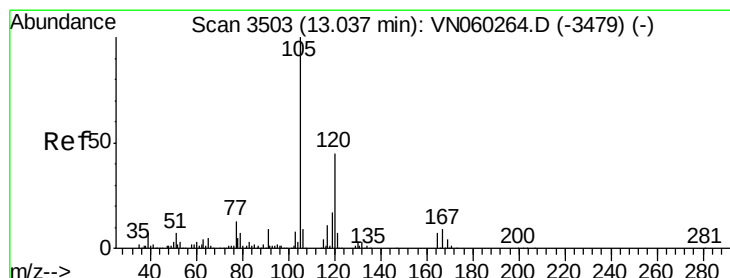
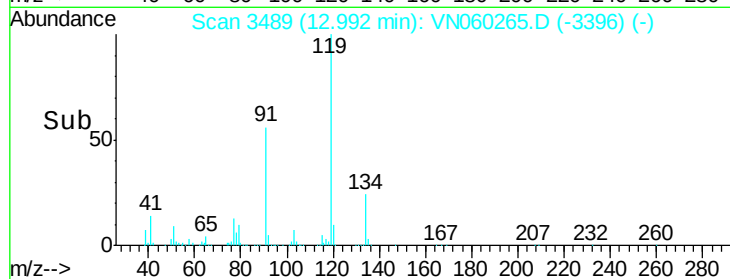
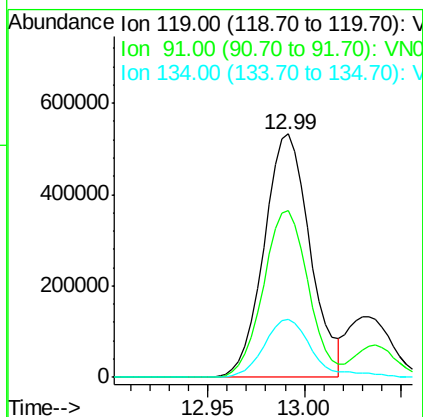
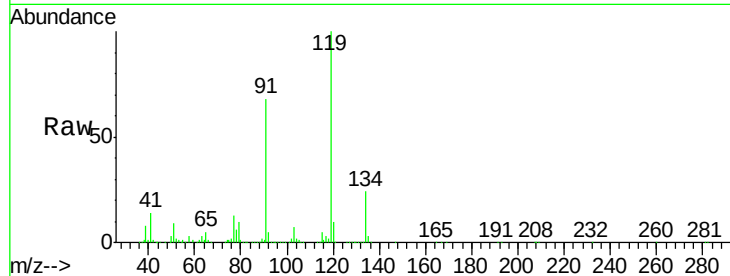
#83
 tert-Butylbenzene
 Concen: 91.304 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060265.D
 Acq: 27 Feb 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.8	33.1	99.2
134	24.9	12.4	37.0

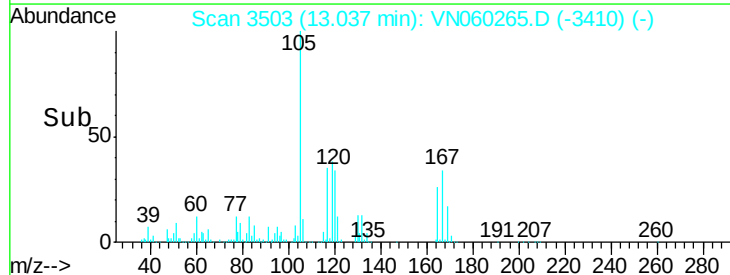
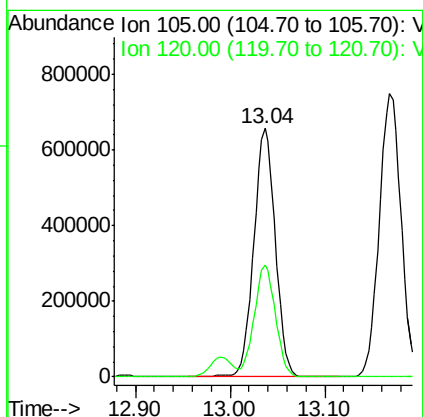
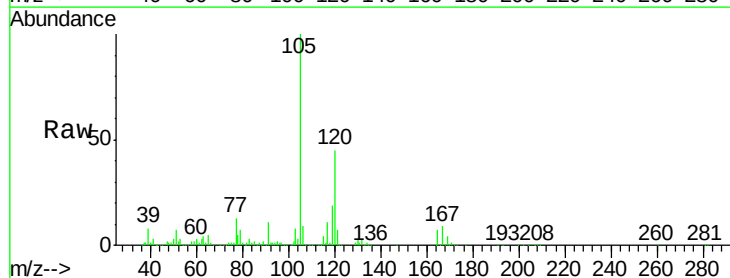
Manual Integrations
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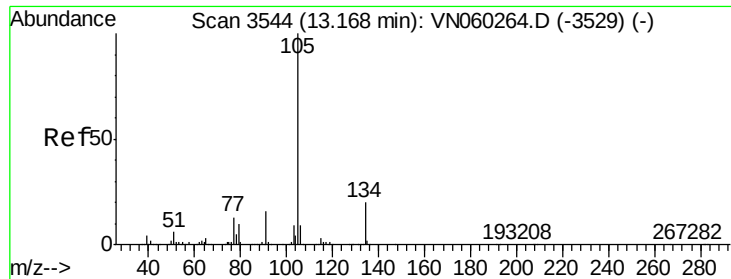
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#84
 1,2,4-Trimethylbenzene
 Concen: 96.269 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060265.D
 Acq: 27 Feb 2020 11:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.3	66.9





#85

sec-Butylbenzene

Concen: 93.689 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 1195386

Ion Ratio Lower Upper

105 100

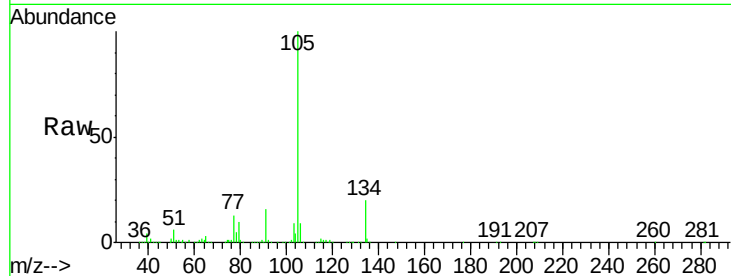
134 19.8 9.8 29.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

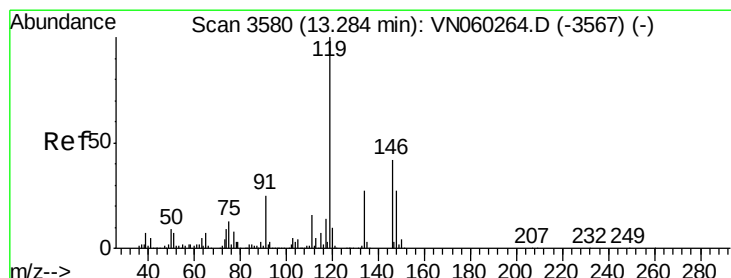
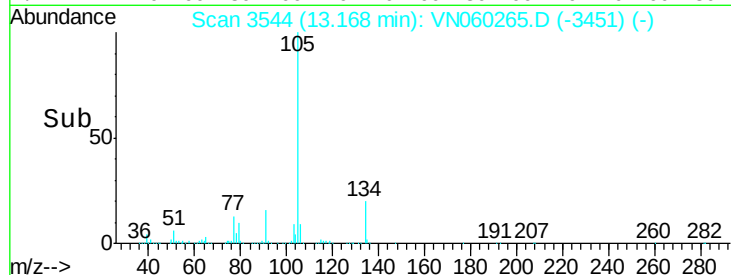
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 94.740 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

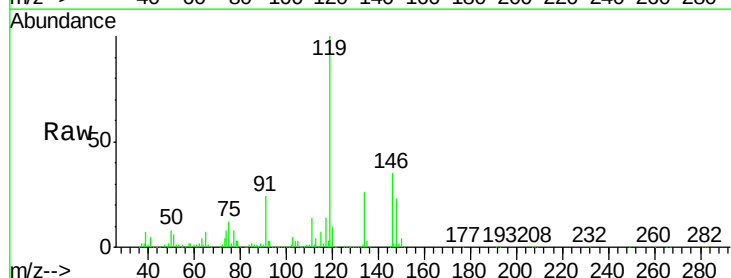
Tgt Ion:119 Resp: 1095875

Ion Ratio Lower Upper

119 100

134 26.1 13.2 39.6

91 24.3 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

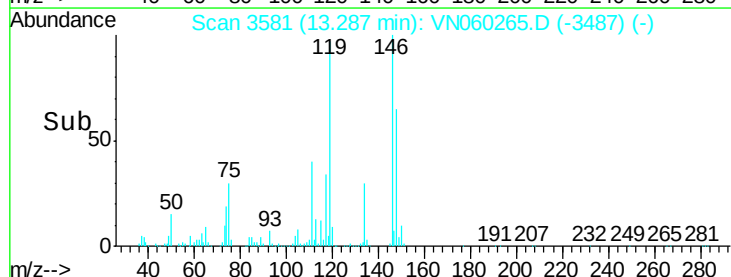
600000

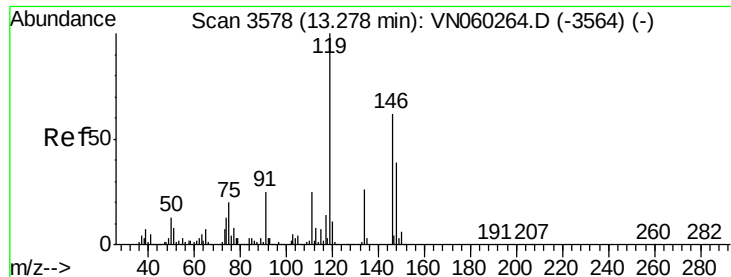
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 93.896 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_N

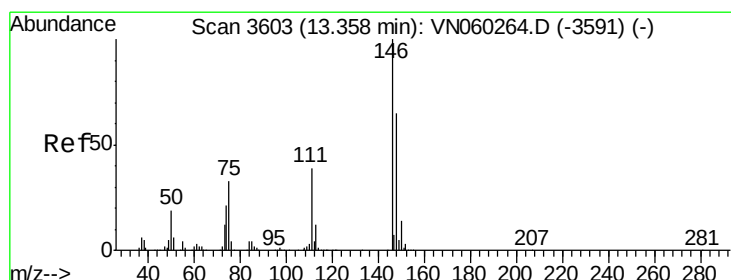
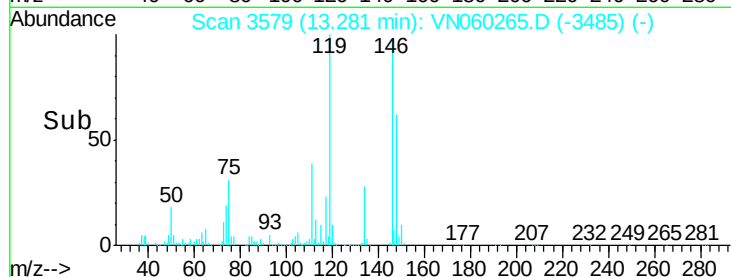
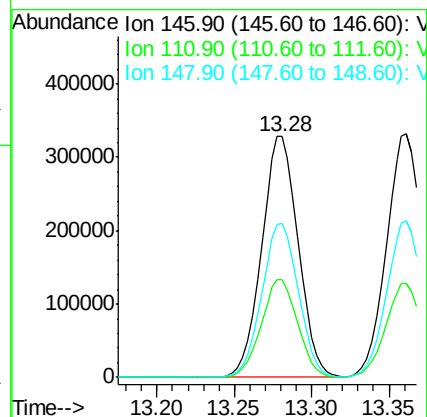
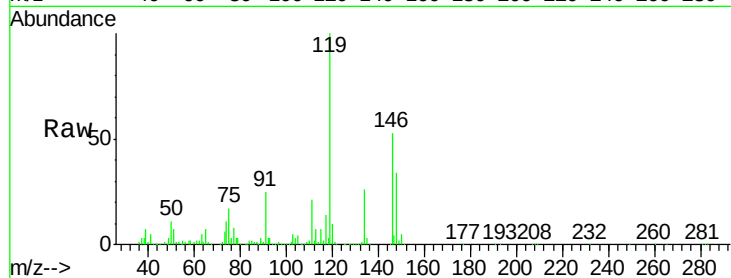
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	539151
Ion Ratio	Lower	Upper	
146	100		
111	40.4	20.0	59.9
148	63.9	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 94.236 ug/l

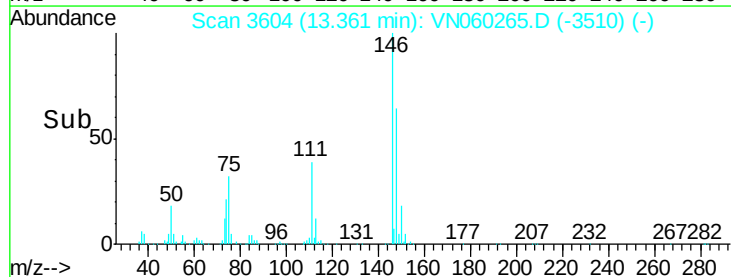
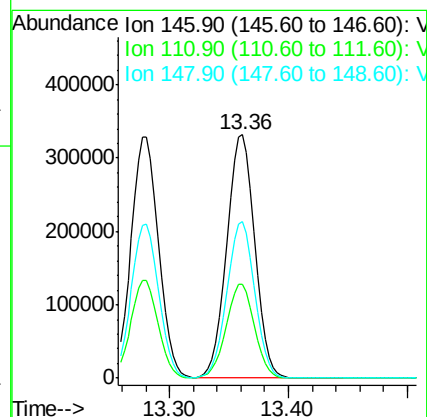
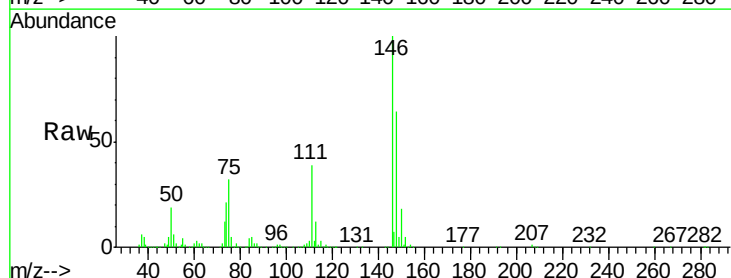
RT: 13.36 min Scan# 3604

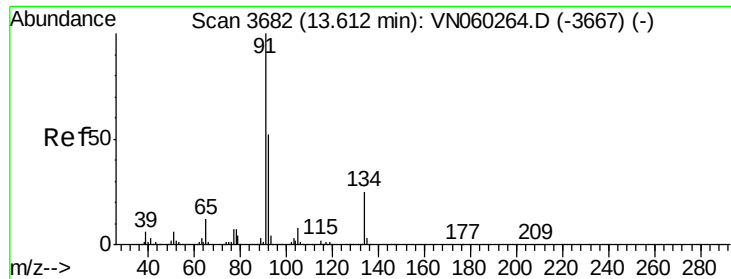
Delta R.T. 0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Tgt Ion:	146	Resp:	540625
Ion Ratio	Lower	Upper	
146	100		
111	38.7	19.8	59.4
148	63.9	32.3	96.9





#89

n-Butylbenzene

Concen: 99.674 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1018534

Ion Ratio Lower Upper

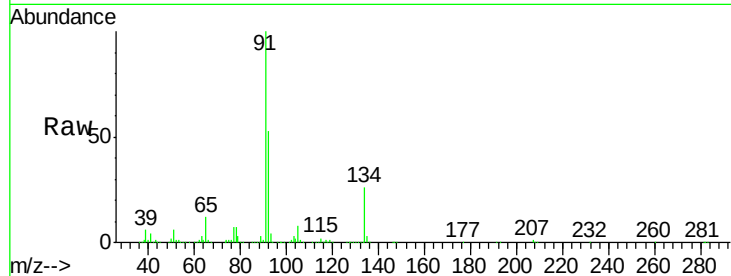
91 100

92 52.4 26.0 78.0

134 25.5 12.7 38.1

Manual Integrations
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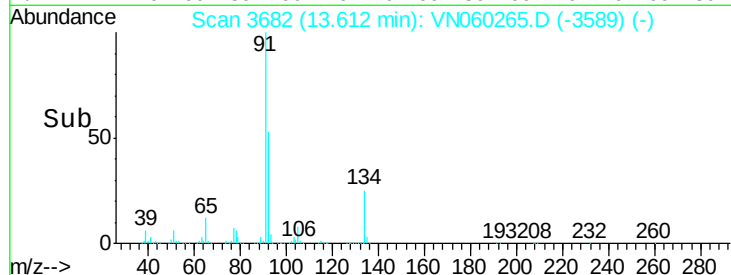


Abundance Ion 91.00 (90.70 to 91.70): VN060264.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN060264.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN060264.D (-3667) (-)

Time-->

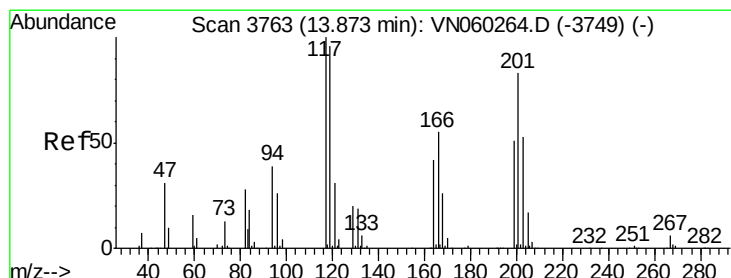


Abundance Ion 91.00 (90.70 to 91.70): VN060265.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN060265.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN060265.D (-3589) (-)

Time-->



#90

Hexachloroethane

Concen: 83.312 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN060265.D

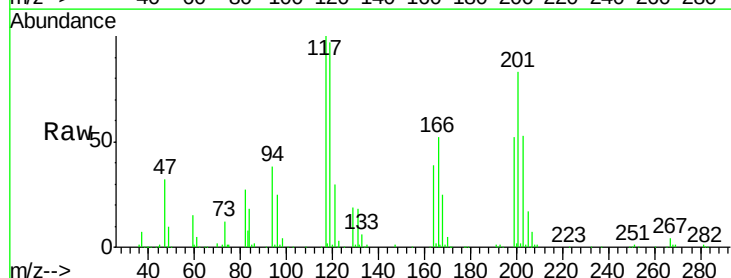
Acq: 27 Feb 2020 11:51

Tgt Ion: 117 Resp: 174374

Ion Ratio Lower Upper

117 100

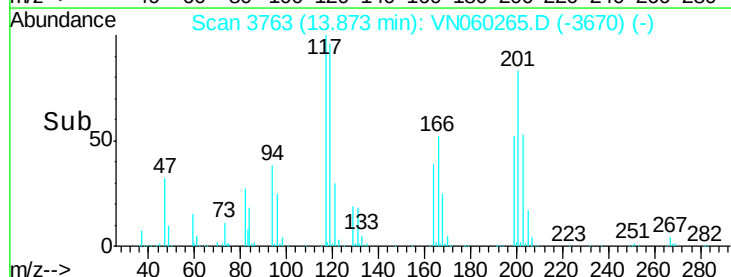
201 82.8 41.0 123.0



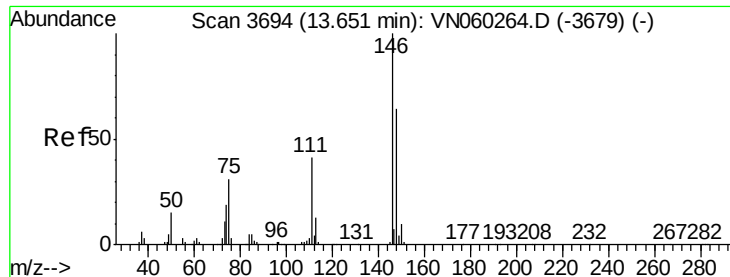
Abundance Ion 116.80 (116.50 to 117.50): VN060264.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN060264.D (-3749) (-)

Time-->



Time-->



#91

1,2-Dichlorobenzene

Concen: 91.240 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_N

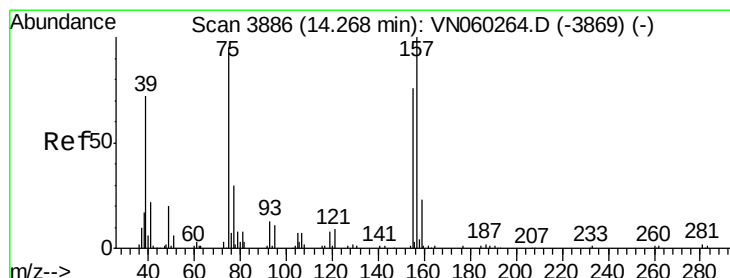
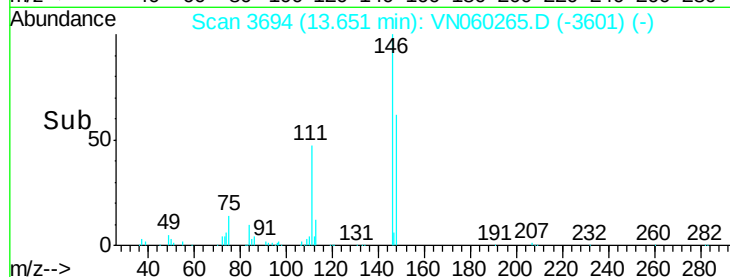
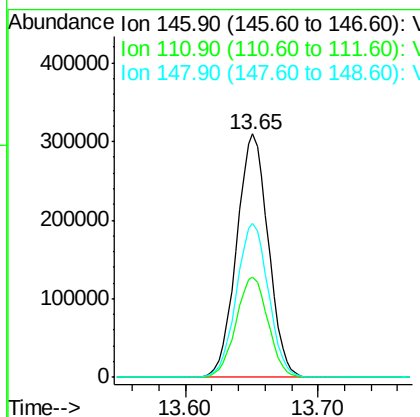
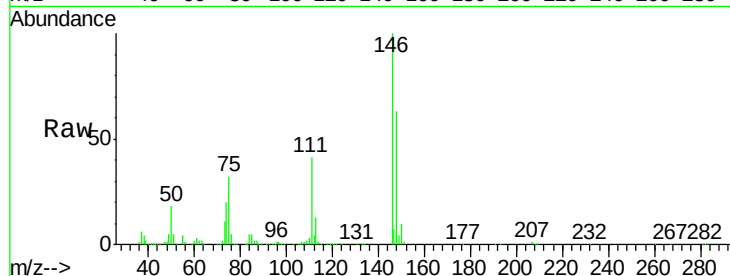
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	512032
Ion Ratio		Lower	Upper
146	100		
111	41.6	20.3	61.0
148	63.9	31.8	95.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 85.856 ug/l

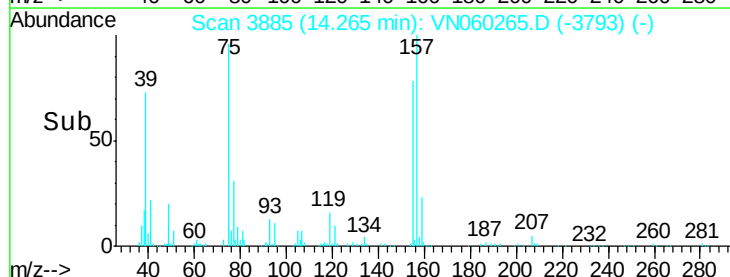
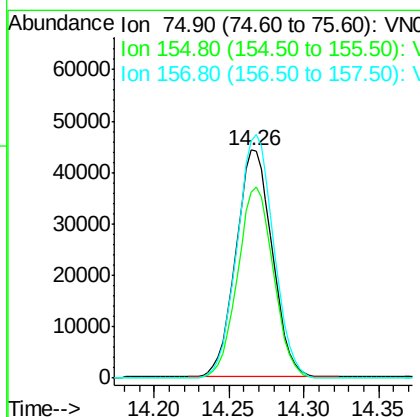
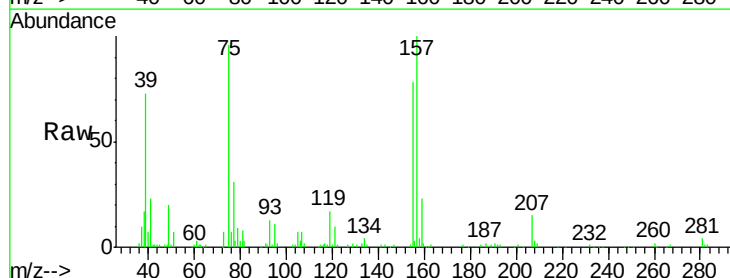
RT: 14.26 min Scan# 3885

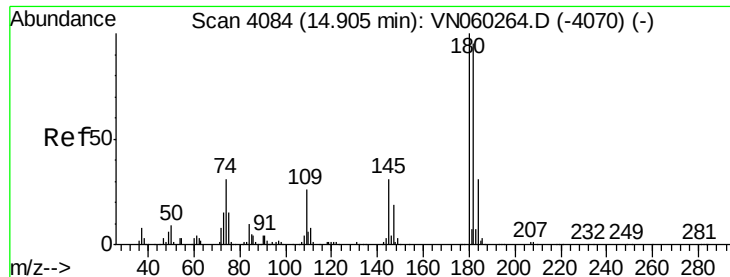
Delta R.T. -0.00 min

Lab File: VN060265.D

Acq: 27 Feb 2020 11:51

Tgt Ion:	75	Resp:	74385
Ion Ratio		Lower	Upper
75	100		
155	83.1	40.4	121.2
157	108.0	52.5	157.5





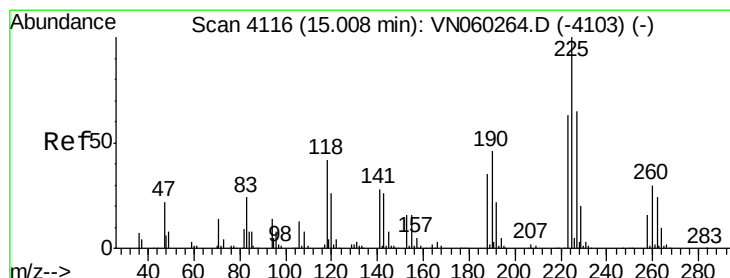
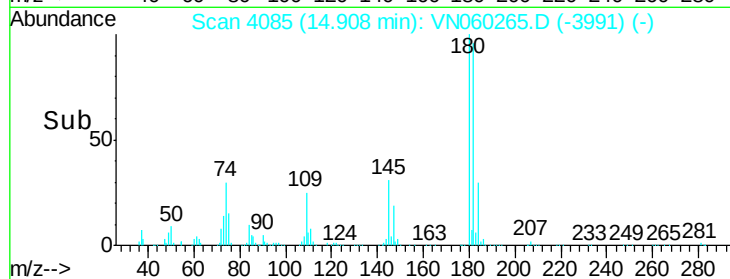
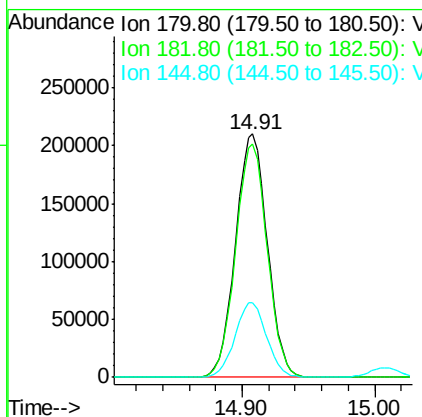
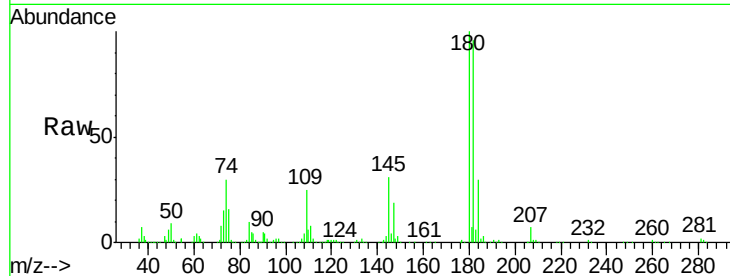
#93
 1,2,4-Trichlorobenzene
 Concen: 104.971 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060265.D
 Acq: 27 Feb 2020 11:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	349284		
182	95.3	47.8	143.3	
145	30.6	15.4	46.1	

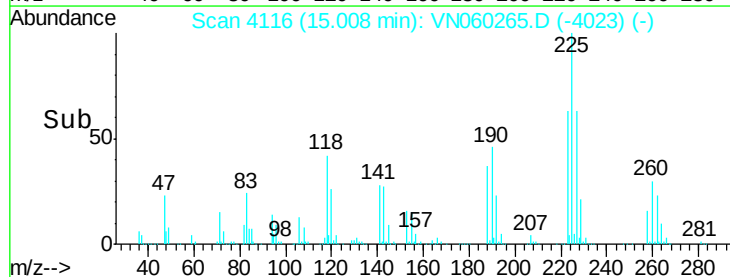
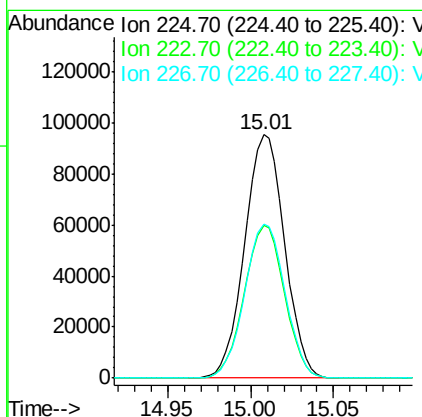
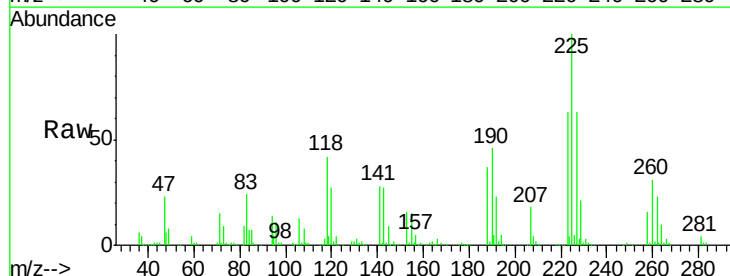
Manual Integrations
 APPROVED

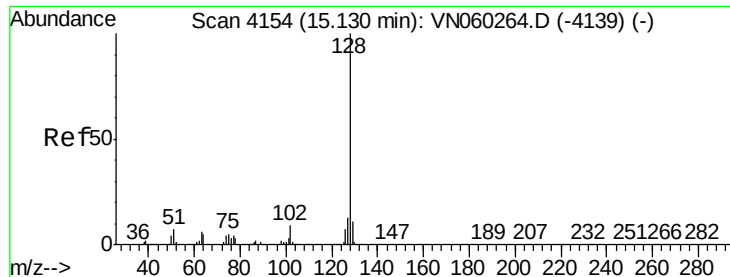
MMDadoda
 2/28/2020 12:31:14 PM



#94
 Hexachlorobutadiene
 Concen: 83.824 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060265.D
 Acq: 27 Feb 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	159832		
223	63.0	31.3	93.9	
227	63.9	32.3	96.9	





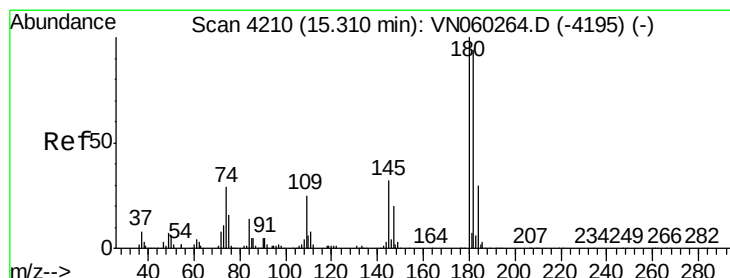
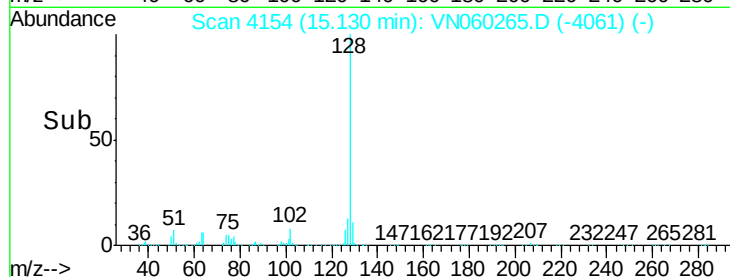
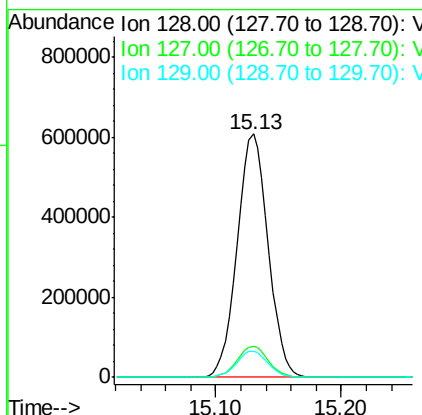
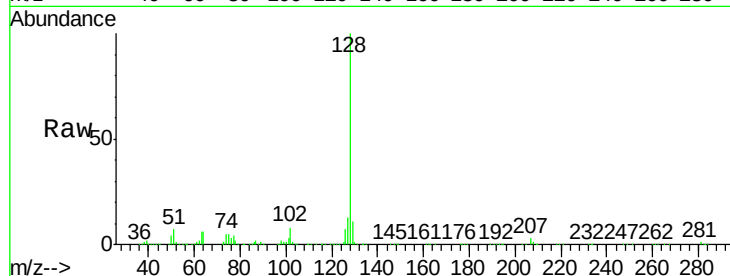
#95
Naphthalene
Concen: 113.957 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/28/2020 12:31:14 PM



#96
1,2,3-Trichlorobenzene
Concen: 99.887 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060265.D
Acq: 27 Feb 2020 11:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.3	142.0
145	32.0	16.2	48.5

