

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111318\
 Data File : VN052279.D
 Acq On : 13 Nov 2018 11:41
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 11/14/2018 11:10:08 AM

Quant Time: Nov 14 00:24:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	49222	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	278216	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	243959	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	112248	30.73	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.43%
60) 4-Bromofluorobenzene	12.40	95	114227	29.27	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.57%
63) Toluene-d8	10.09	98	350539	30.56	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	73945	22.493	ug/l 98
3) Chloromethane	2.06	50	84714	22.547	ug/l 98
4) Vinyl Chloride	2.19	62	71915	19.511	ug/l 96
5) Bromomethane	2.58	94	42928	17.063	ug/l 100
6) Chloroethane	2.71	64	39681	16.837	ug/l 94
7) Trichlorofluoromethane	3.02	101	101421	20.320	ug/l 99
8) Diethyl Ether	3.41	74	34730	20.608	ug/l 83
9) 1,1,2-Trichlorotrifluoroet	3.76	101	61864	21.207	ug/l 96
10) 1,1-Dichloroethene	3.74	96	56144	20.626	ug/l 94
11) Methyl Iodide	3.96	142	75987	19.307	ug/l 98
12) Methyl Acetate	4.33	43	57161	24.949	ug/l 94
13) Acrolein	3.61	56	23403	96.302	ug/l 94
14) Acrylonitrile	4.99	53	114247	112.443	ug/l 98
15) Acetone	3.82	58	40303	167.835	ug/l 79
16) Carbon Disulfide	4.06	76	153484	19.097	ug/l 99
17) Allyl chloride	4.33	41	103125	22.313	ug/l 96
18) Methylene Chloride	4.55	84	65752	19.570	ug/l # 83
19) trans-1,2-Dichloroethene	5.05	96	59748	20.033	ug/l 98
20) Diisopropyl ether	5.95	45	234980	23.397	ug/l 94
21) 1,1-Dichloroethane	5.85	63	123906	21.111	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	68914	19.788	ug/l 94
23) tert-Butyl Alcohol	4.77	59	20551	129.819	ug/l # 99
24) Methyl tert-Butyl Ether	5.04	73	156836	20.324	ug/l 94
25) Chloroform	7.37	83	116818	19.822	ug/l 95
26) Cyclohexane	7.65	56	112655	21.412	ug/l # 88
29) 1,1-Dichloropropene	7.79	75	92479	20.937	ug/l 100
30) 2-Butanone	6.84	43	172210	146.399	ug/l # 80
31) 2,2-Dichloropropane	6.82	77	92175	20.258	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	99450	20.123	ug/l 98
33) Carbon Tetrachloride	7.77	117	84940	19.325	ug/l 95
34) Benzene	8.04	78	267462	20.680	ug/l 97
35) Methacrylonitrile	7.19	41	43259m	26.812	ug/l
36) 1,2-Dichloroethane	8.13	62	93887	21.711	ug/l 99
37) Trichloroethene	8.84	130	65816	20.332	ug/l 99
38) Methylcyclohexane	9.08	83	107136	19.883	ug/l 94
39) 1,2-Dichloropropane	9.12	63	74682	21.692	ug/l 96
40) Dibromomethane	9.21	93	41769	19.683	ug/l 94

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Manual Integrations
 APPROVED

MMDadoda
 11/14/2018 11:10:08 AM

Quant Time: Nov 14 00:24:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	88102	20.291	ug/l	99
42) Vinyl Acetate	5.90	43	807446	117.253	ug/l	96
43) Ethyl Acetate	6.84	43	172210	29.131	ug/l #	87
44) Isopropyl Acetate	8.16	43	117540	24.015	ug/l #	90
45) 1,4-Dioxane	9.20	88	12384	554.640	ug/l #	72
46) Methyl methacrylate	9.20	41	57911	23.770	ug/l	87
47) n-amyl Acetate	12.07	43	102671	23.142	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	85138	19.747	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	102100	20.517	ug/l	91
50) 1,1,2-Trichloroethane	10.56	97	58127	20.714	ug/l	98
51) Ethyl methacrylate	10.43	69	76369	21.058	ug/l	89
52) 1,3-Dichloropropane	10.71	76	100486	20.558	ug/l	98
53) Dibromochloromethane	10.90	129	58971	19.466	ug/l	99
54) 1,2-Dibromoethane	11.01	107	55839	19.623	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	210926	106.209	ug/l	98
56) Bromoform	12.12	173	33223	18.988	ug/l	96
58) 4-Methyl-2-Pentanone	9.99	43	323479	123.742	ug/l	95
59) 2-Hexanone	10.75	43	246681	137.050	ug/l	96
61) Tetrachloroethene	10.63	164	57468	21.660	ug/l	95
62) Toluene	10.16	91	281997	20.591	ug/l	97
64) Chlorobenzene	11.43	112	170680	19.665	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	60873	20.606	ug/l	98
66) Ethyl Benzene	11.51	91	307119	20.761	ug/l	97
67) m/p-Xylenes	11.62	106	229583	40.312	ug/l	100
68) o-Xylene	11.95	106	109255	20.121	ug/l	99
69) Styrene	11.96	104	174424	19.935	ug/l	98
70) Isopropylbenzene	12.25	105	295008	20.239	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	69759	21.758	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	58458m	20.737	ug/l	
73) Bromobenzene	12.53	156	68094	21.083	ug/l	94
74) n-propylbenzene	12.59	91	351026	20.680	ug/l	99
75) 2-Chlorotoluene	12.67	91	203663	20.812	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	242368	20.736	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	17945	20.345	ug/l	91
78) 4-Chlorotoluene	12.77	91	202871	20.586	ug/l	100
79) tert-butylbenzene	12.99	119	213329	20.953	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	243672	20.927	ug/l	100
81) sec-Butylbenzene	13.17	105	293077	20.917	ug/l	100
82) p-Isopropyltoluene	13.29	119	249522	21.072	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	119989	21.003	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	117017	20.690	ug/l	96
85) n-Butylbenzene	13.61	91	216271	21.102	ug/l	99
86) Hexachloroethane	13.87	117	41205	20.621	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	116233	21.414	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	9923	22.634	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	49095	22.282	ug/l	98
90) Hexachlorobutadiene	15.01	225	29438	24.420	ug/l	96
91) Naphthalene	15.13	128	113363	22.322	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	45037	23.453	ug/l	99

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Instrument :
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VSTDCCC020

Manual Integrations
APPROVED

MMDadoda
11/14/2018 11:10:08 AM

Quant Time: Nov 14 00:24:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
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QLast Update : Fri Nov 02 05:39:38 2018
Response via : Initial Calibration

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

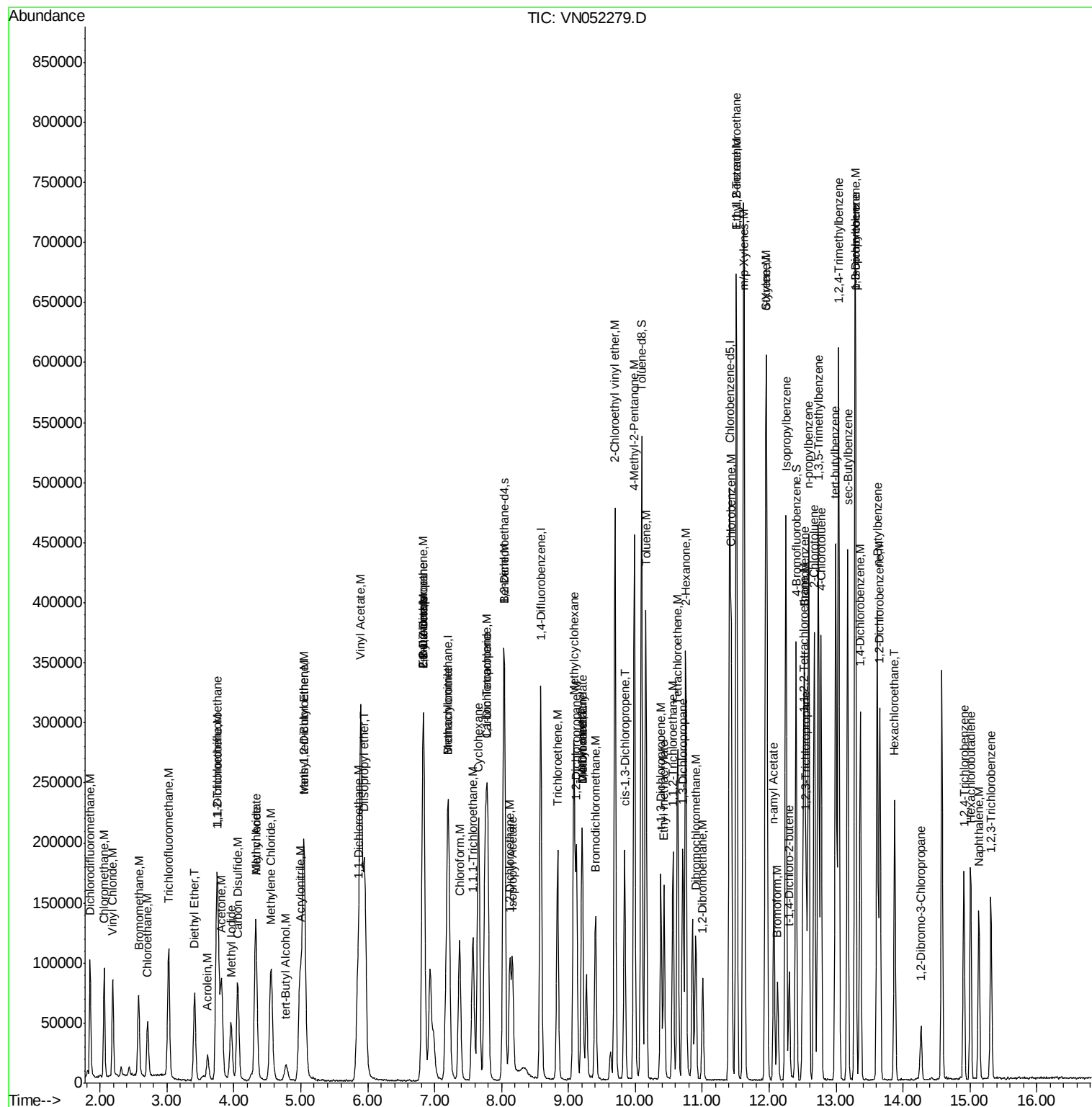
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111318\
Data File : VN052279.D
Acq On : 13 Nov 2018 11:41
Operator : MD\SY
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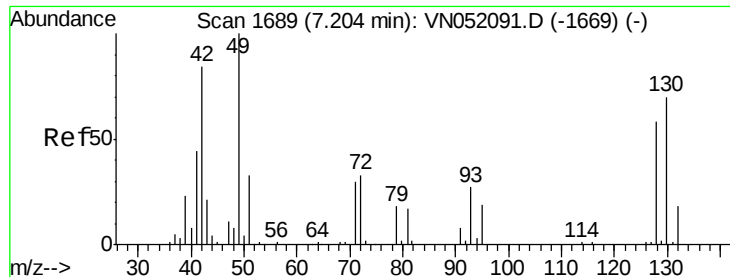
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
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MMDadoda
11/14/2018 11:10:08 AM

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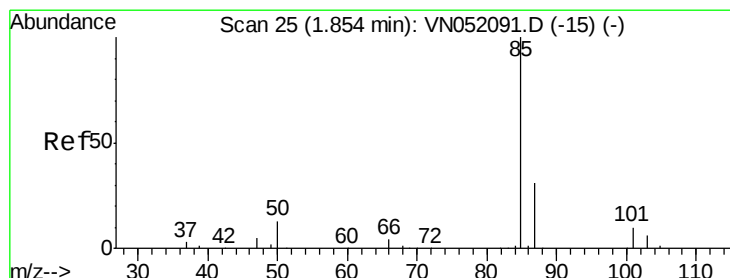
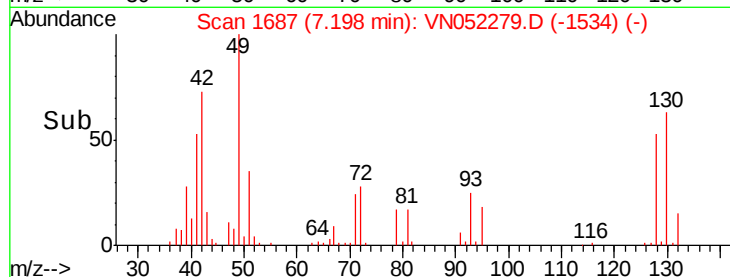
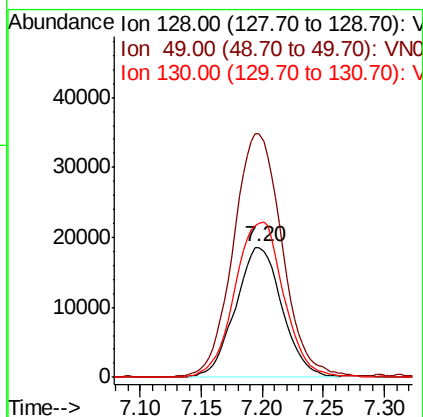
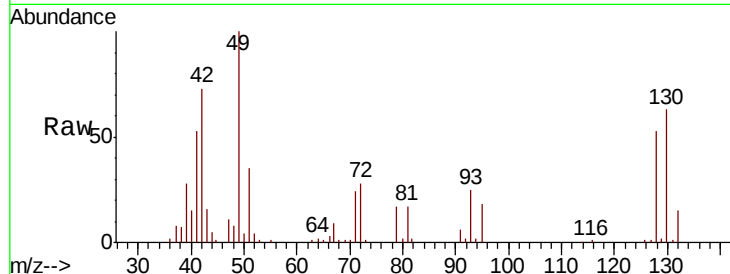
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	197.0	0.0	453.7
130	125.5	0.0	308.8

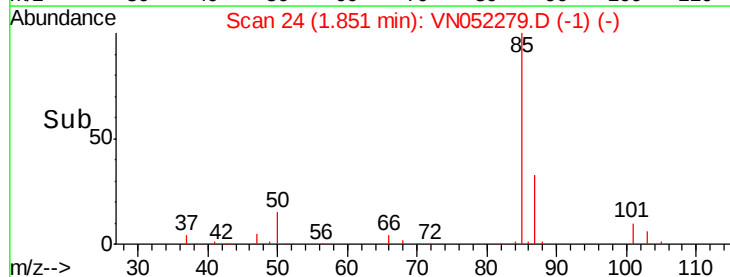
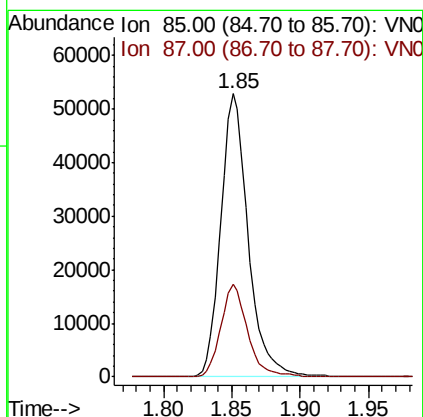
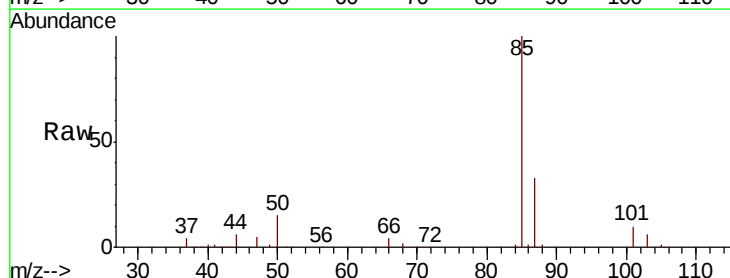
Manual Integrations
APPROVED

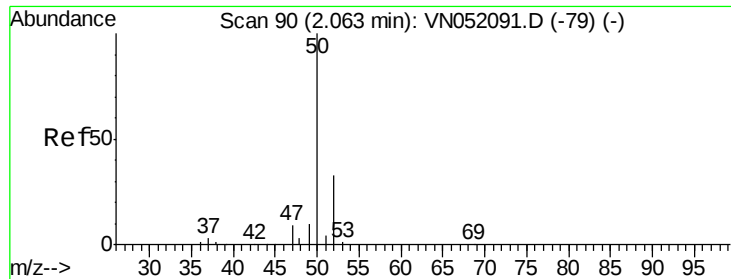
MMDadoda
11/14/2018 11:10:08 AM



#2
Dichlorodifluoromethane
Concen: 22.493 ug/l
RT: 1.85 min Scan# 24
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.7	47.1





#3

Chloromethane

Concen: 22.547 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 84714

Ion Ratio Lower Upper

50 100

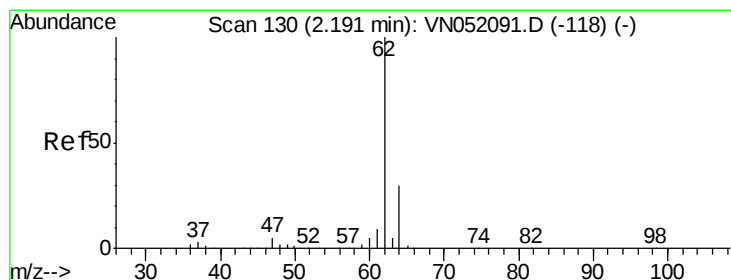
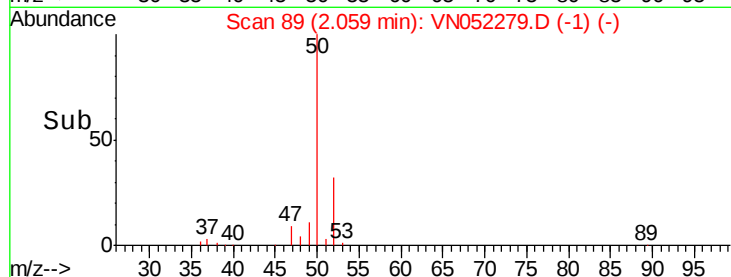
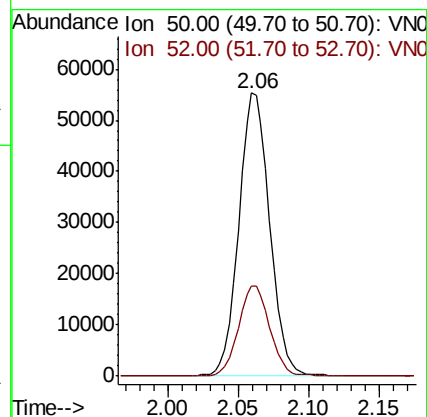
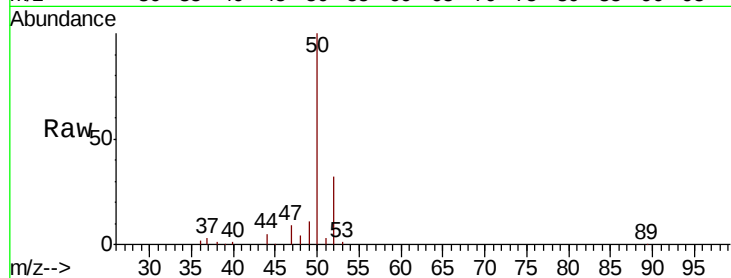
52 32.0 26.5 39.7

Manual Integrations

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11/14/2018 11:10:08 AM



#4

Vinyl Chloride

Concen: 19.511 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052279.D

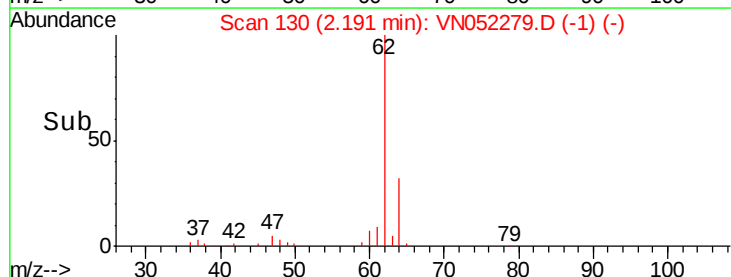
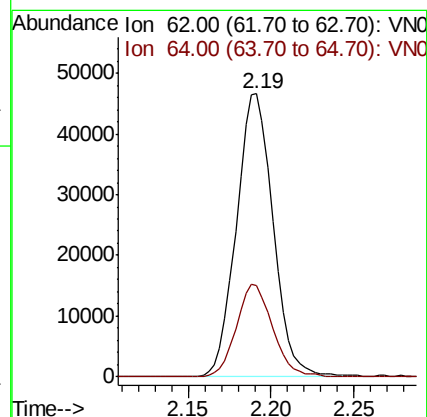
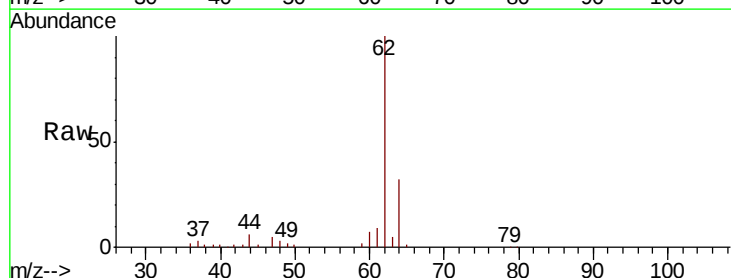
Acq: 13 Nov 2018 11:41

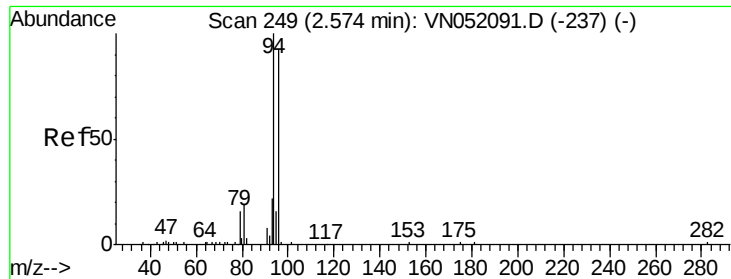
Tgt Ion: 62 Resp: 71915

Ion Ratio Lower Upper

62 100

64 32.2 24.2 36.4





#5

Bromomethane

Concen: 17.063 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 42928

Ion Ratio Lower Upper

94 100

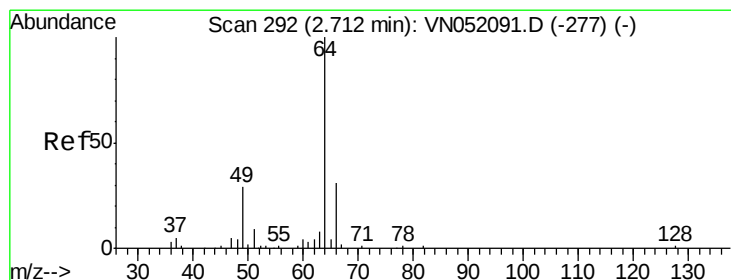
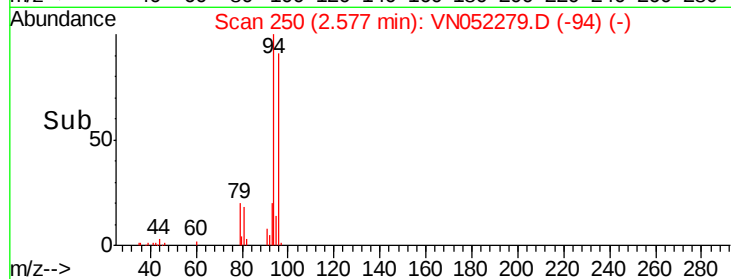
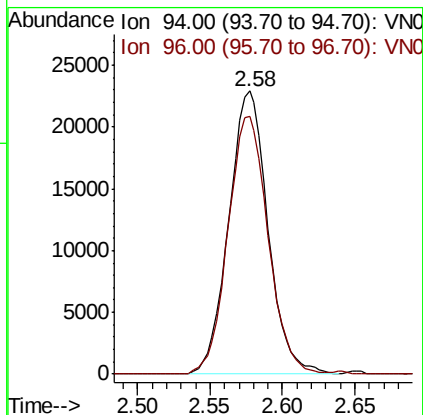
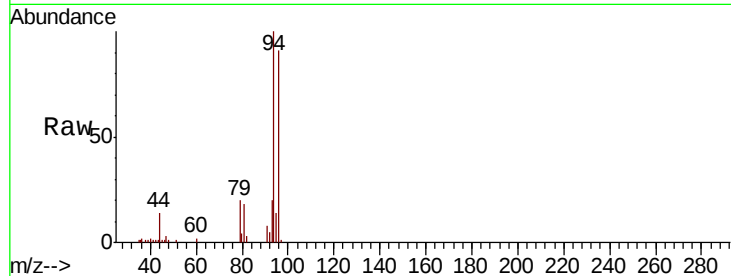
96 91.3 73.4 110.0

Manual Integrations

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#6

Chloroethane

Concen: 16.837 ug/l

RT: 2.71 min Scan# 292

Delta R.T. -0.00 min

Lab File: VN052279.D

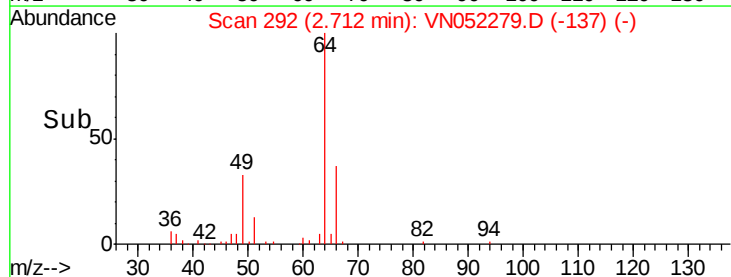
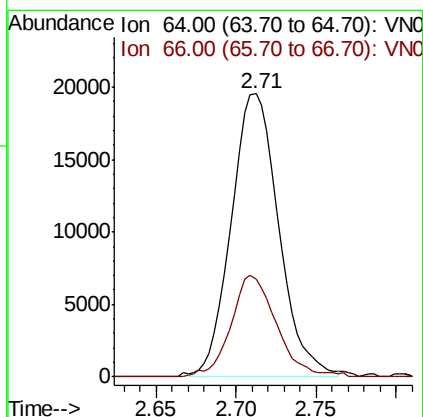
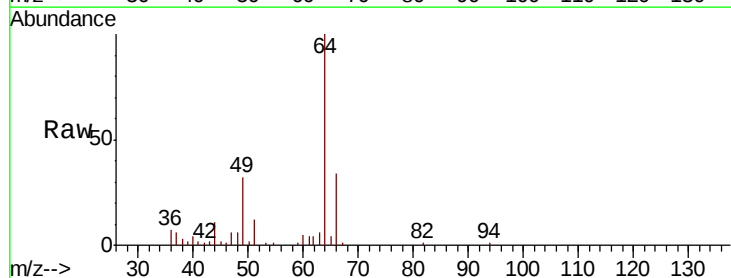
Acq: 13 Nov 2018 11:41

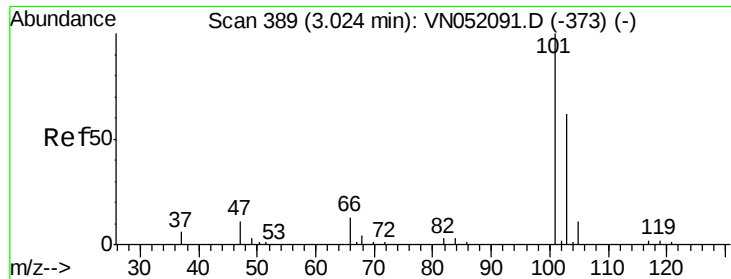
Tgt Ion: 64 Resp: 39681

Ion Ratio Lower Upper

64 100

66 34.0 24.7 37.1





#7

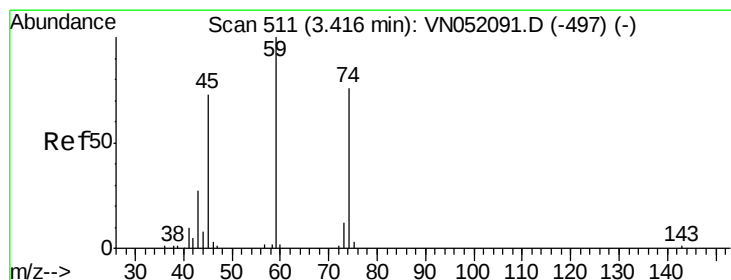
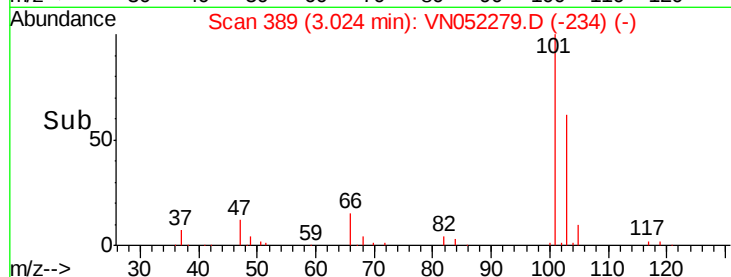
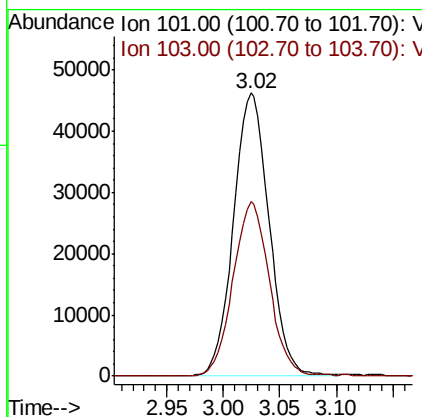
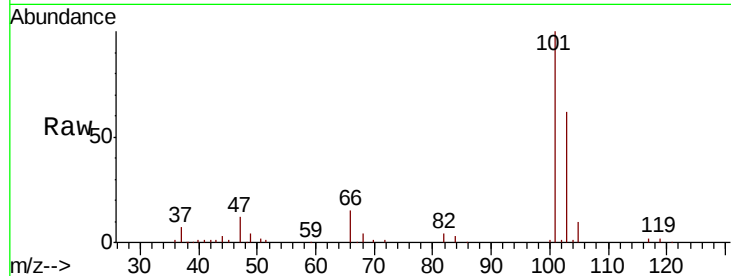
Trichlorofluoromethane
Concen: 20.320 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.5	49.5	74.3

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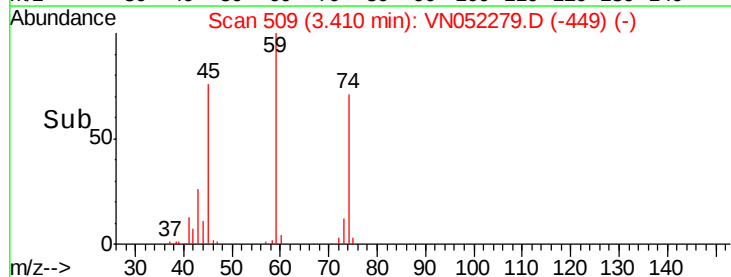
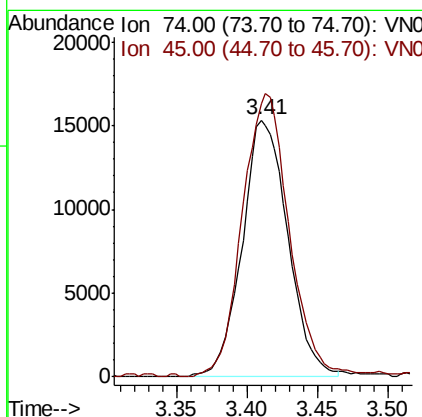
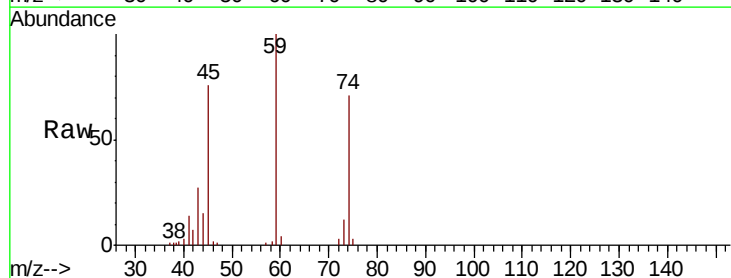
MMDadoda
11/14/2018 11:10:08 AM

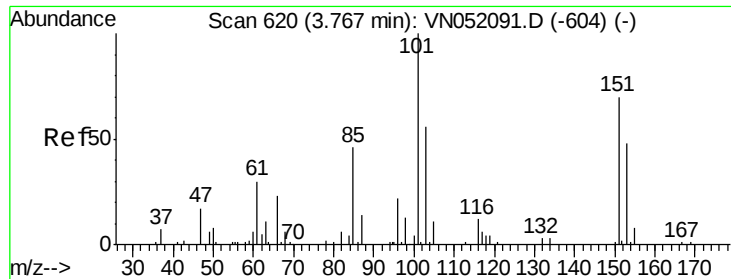


#8

Diethyl Ether
Concen: 20.608 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.01 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.3	19.4	174.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.207 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

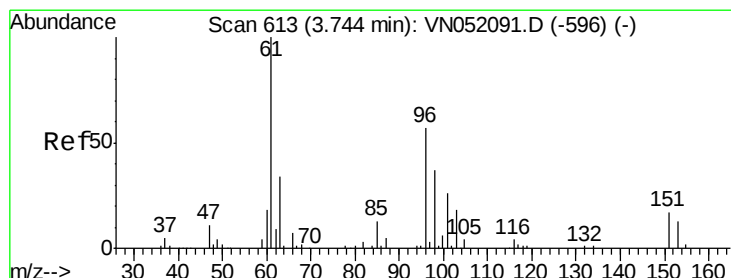
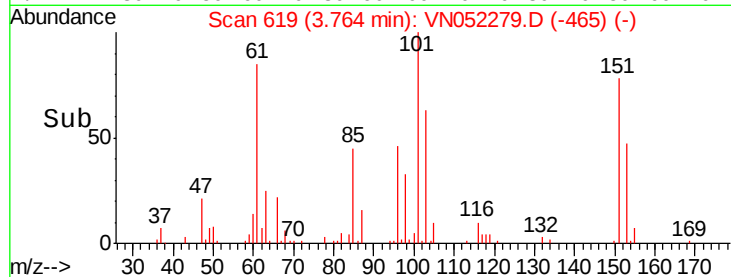
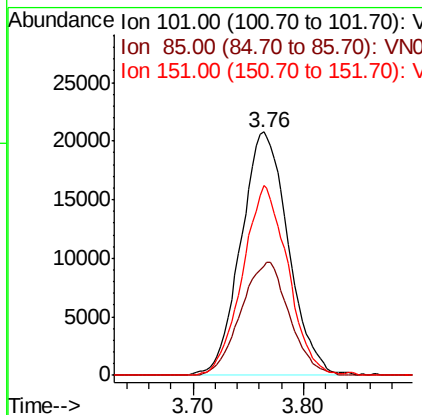
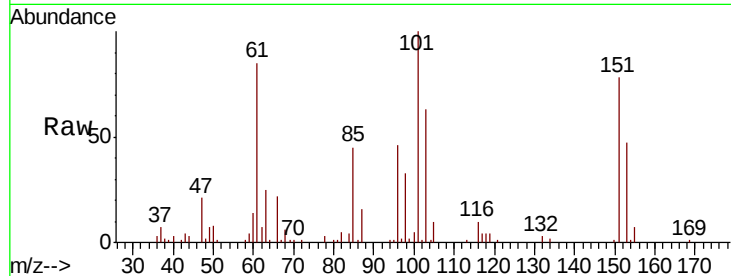
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	61864
Ion Ratio	Lower	Upper	
101	100		
85	47.4	0.0	98.0
151	74.4	0.0	139.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 20.626 ug/l

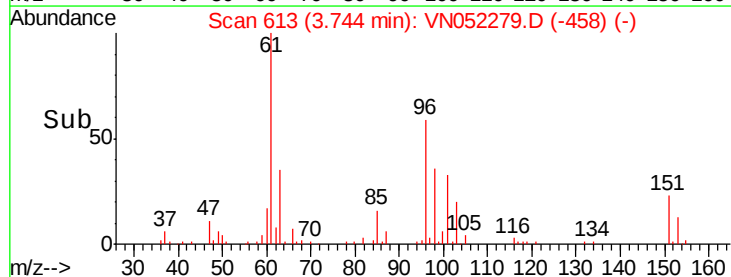
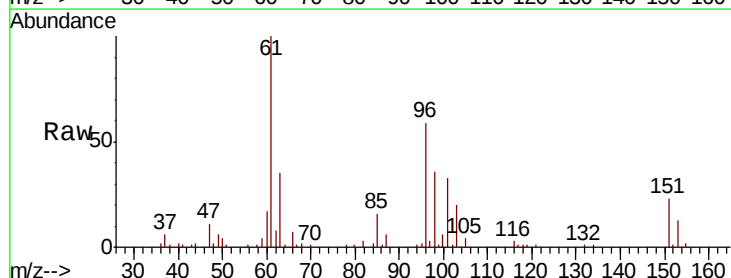
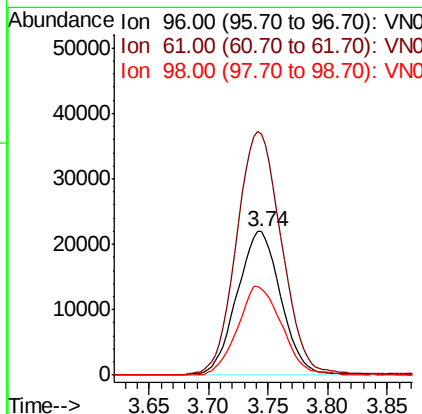
RT: 3.74 min Scan# 613

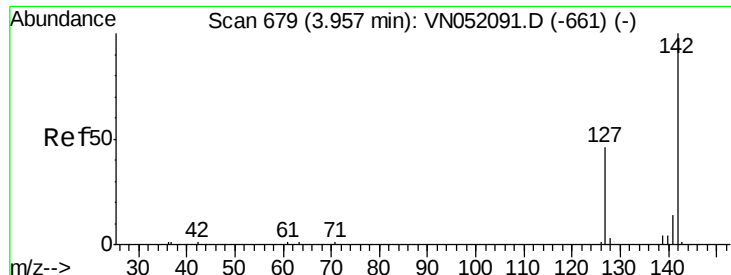
Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Tgt Ion:	96	Resp:	56144
Ion Ratio	Lower	Upper	
96	100		
61	167.7	140.3	210.5
98	60.2	52.0	78.0





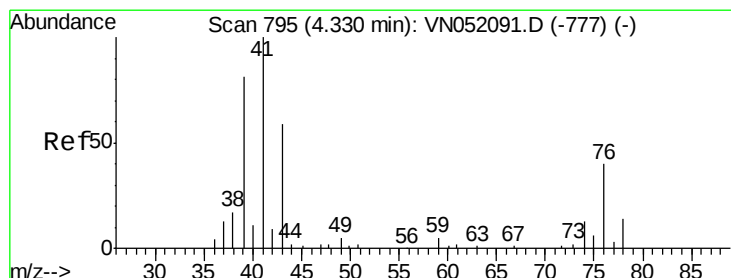
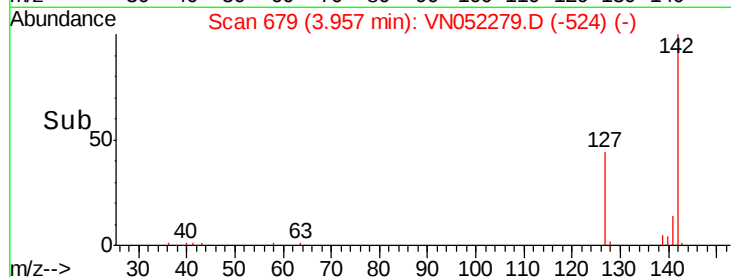
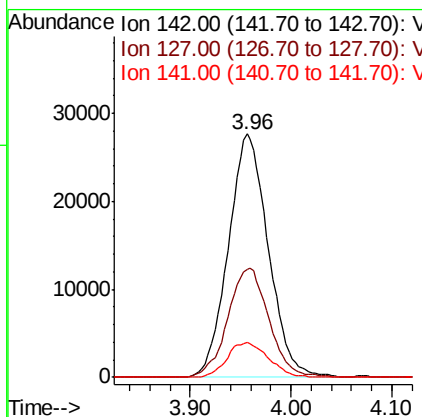
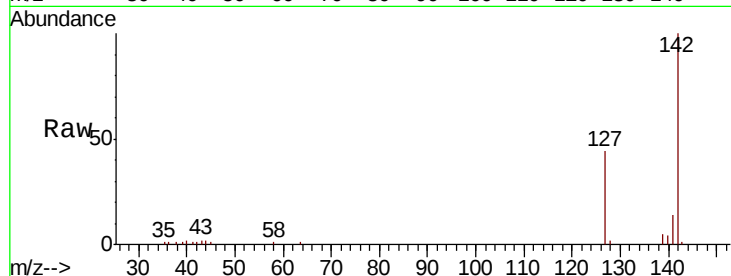
#11
Methyl Iodide
Concen: 19.307 ug/l
RT: 3.96 min Scan# 679
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.5	23.1	69.2
141	14.3	7.0	20.9

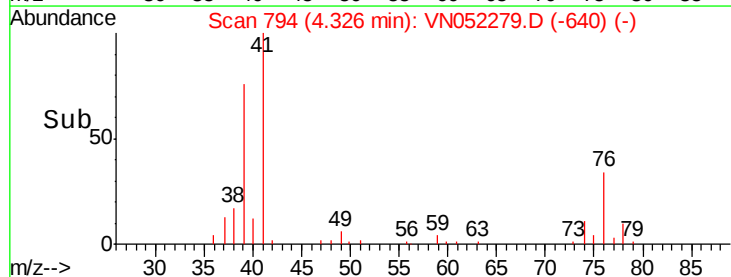
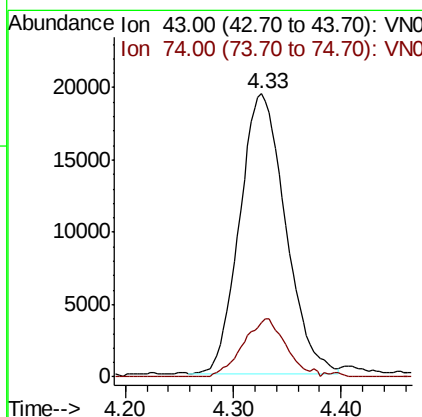
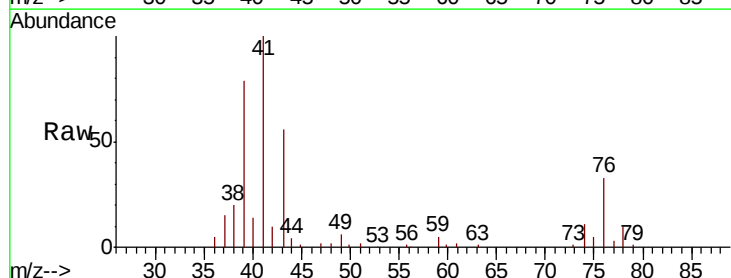
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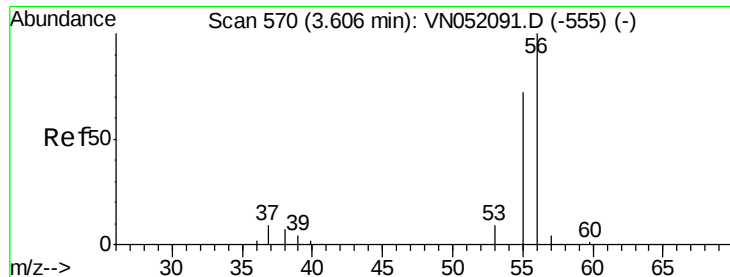
MMDadoda
11/14/2018 11:10:08 AM



#12
Methyl Acetate
Concen: 24.949 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.8	17.4	26.2





#13

Acrolein

Concen: 96.302 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 23403

Ion Ratio Lower Upper

56 100

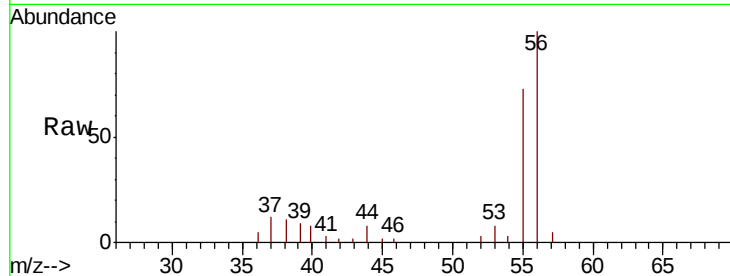
55 75.4 56.2 84.2

Manual Integrations

APPROVED

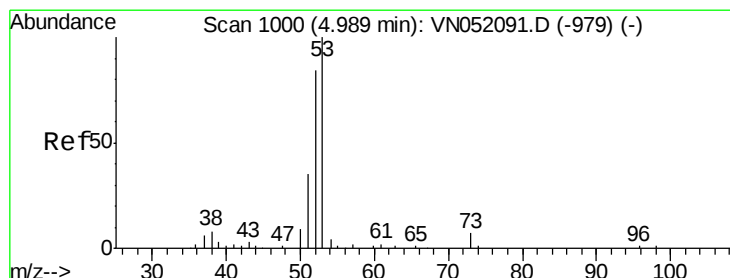
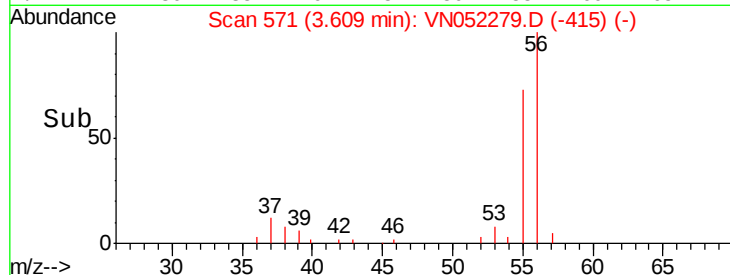
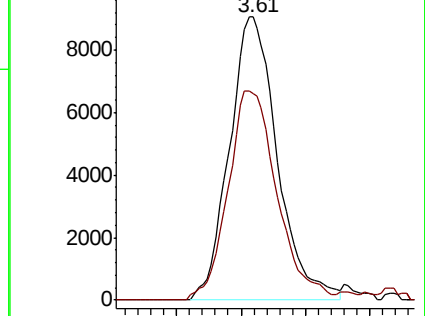
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 112.443 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

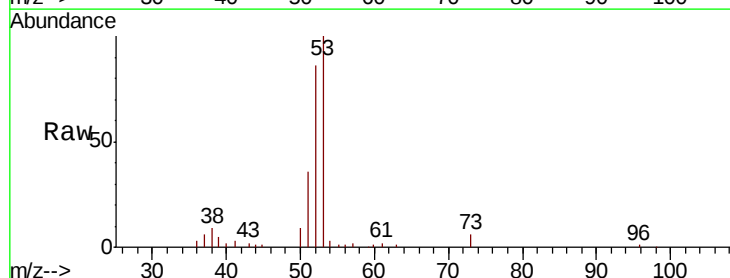
Tgt Ion: 53 Resp: 114247

Ion Ratio Lower Upper

53 100

52 84.7 41.3 124.1

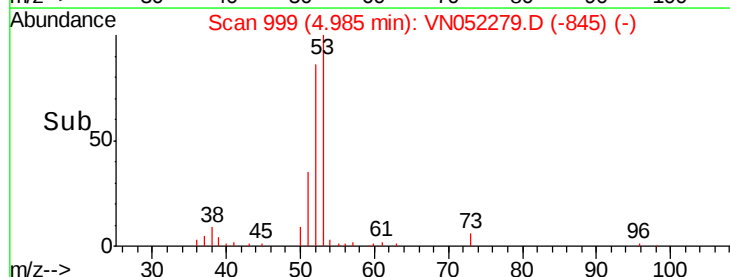
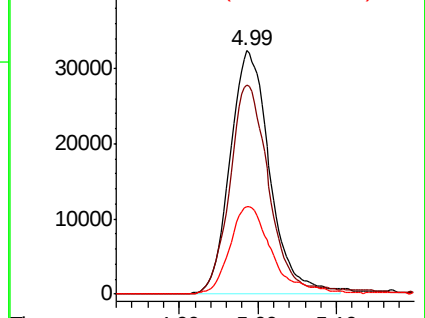
51 37.0 18.6 55.6

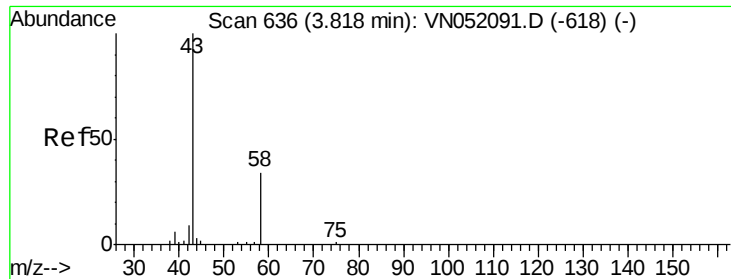


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 167.835 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 40303

Ion Ratio Lower Upper

58 100

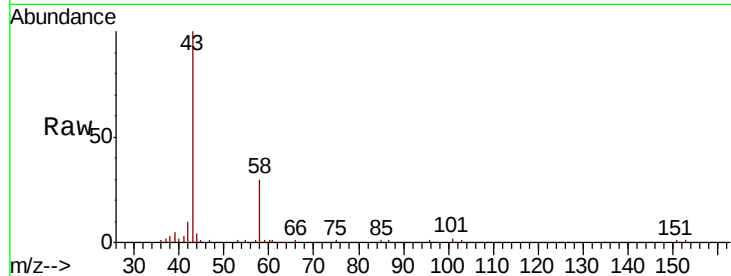
43 333.5 234.7 352.1

Manual Integrations

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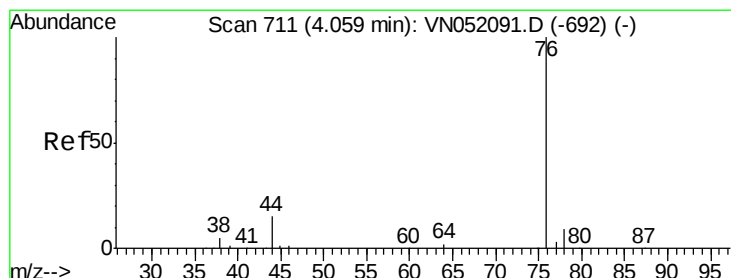
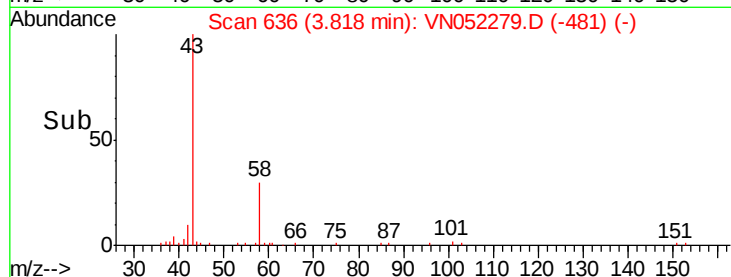
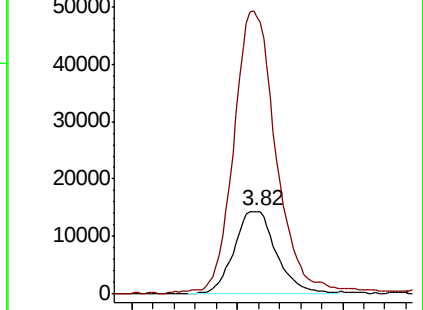
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Abundance Ion 58.00 (57.70 to 58.70): VN052279.D (-556) (-)

Ion 43.00 (42.70 to 43.70): VN052279.D (-556) (-)



#16

Carbon Disulfide

Concen: 19.097 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN052279.D

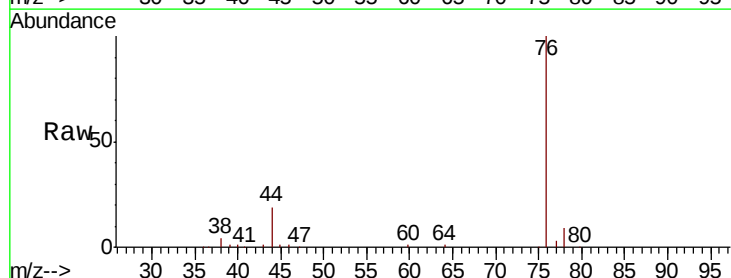
Acq: 13 Nov 2018 11:41

Tgt Ion: 76 Resp: 153484

Ion Ratio Lower Upper

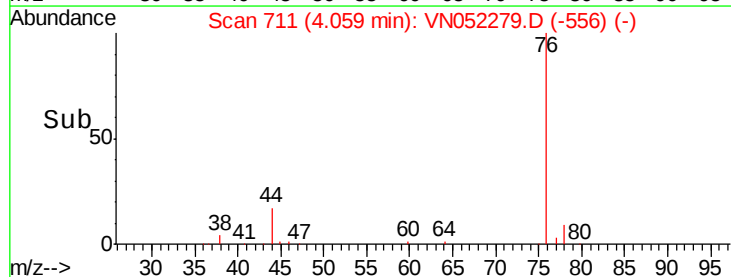
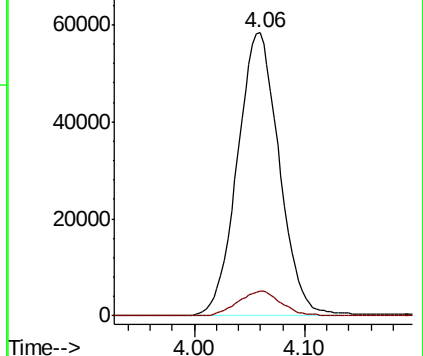
76 100

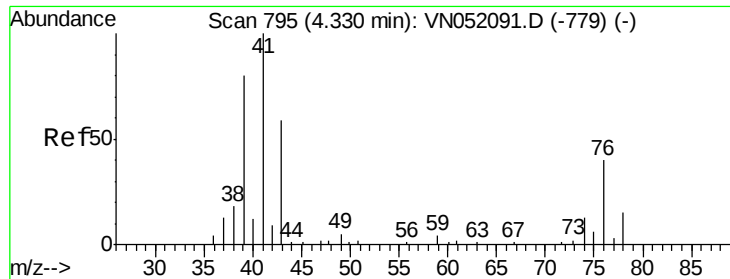
78 8.6 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VN052279.D (-556) (-)

Ion 78.00 (77.70 to 78.70): VN052279.D (-556) (-)





#17

Allvl chloride

Concen: 22.313 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

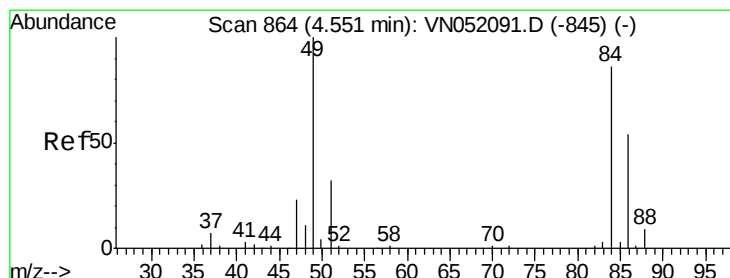
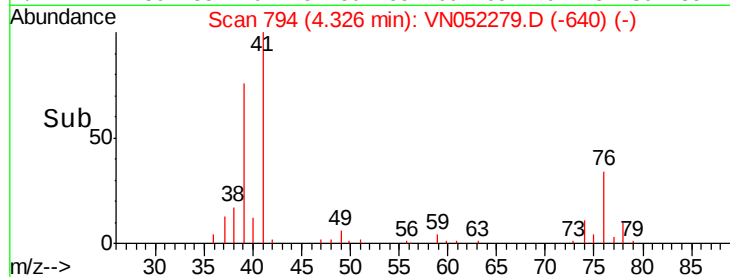
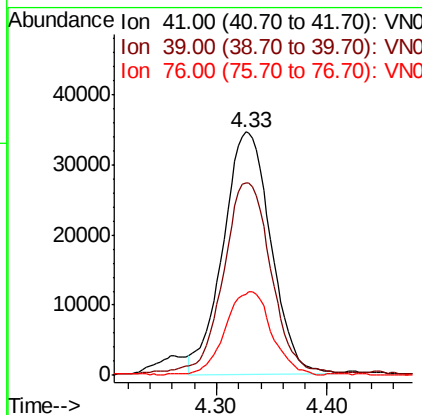
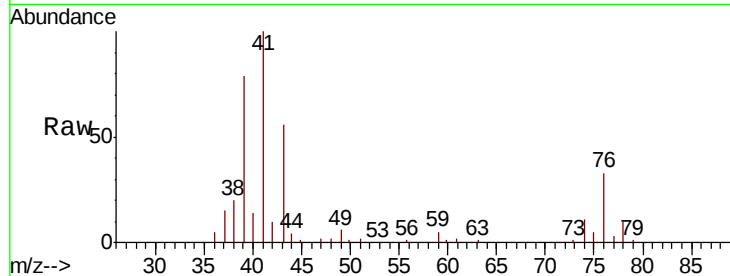
ClientSampleId :

VSTDCCC020

Tot Ion:	41	Resp:	103125
Ion Ratio		Lower	Upper
41	100		
39	79.1	38.4	115.1
76	33.1	18.8	56.3

Manual Integrations
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#18

Methylene Chloride

Concen: 19.570 ug/l

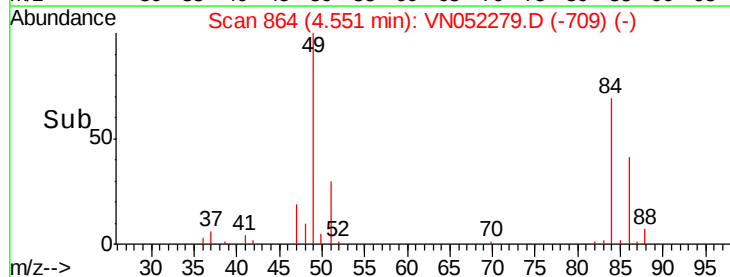
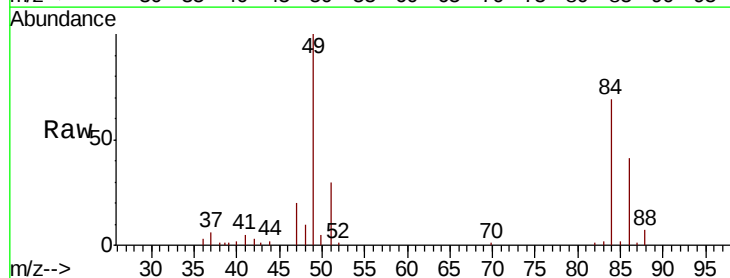
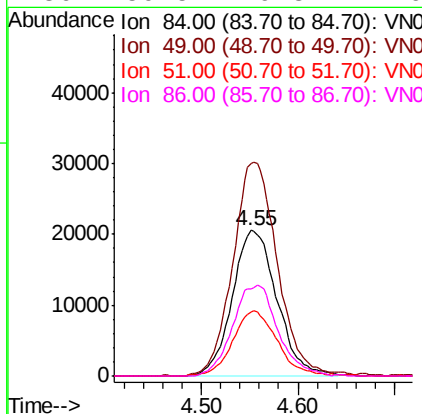
RT: 4.55 min Scan# 864

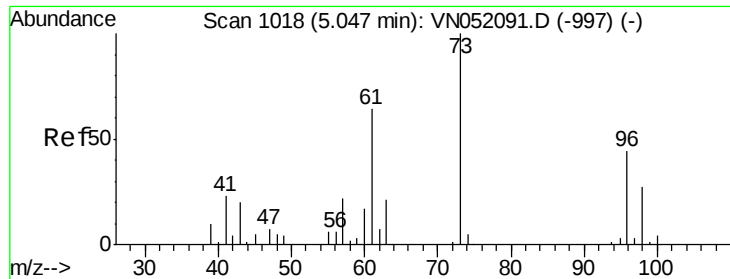
Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Tgt Ion:	84	Resp:	65752
Ion Ratio		Lower	Upper
84	100		
49	145.0	92.6	138.8#
51	42.9	29.7	44.5
86	59.5	49.8	74.6





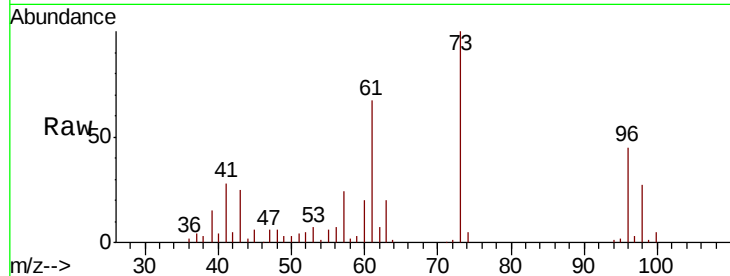
#19
trans-1,2-Dichloroethene
Concen: 20.033 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.1	117.8	176.6
98	60.2	49.3	73.9

Manual Integrations
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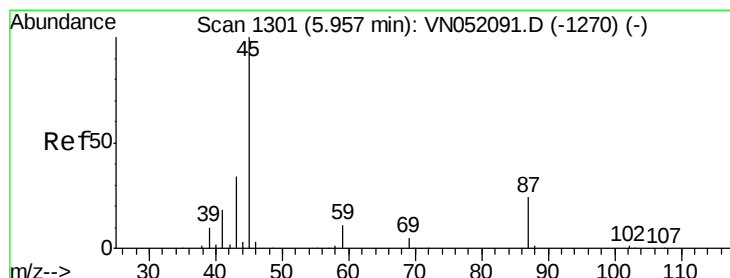
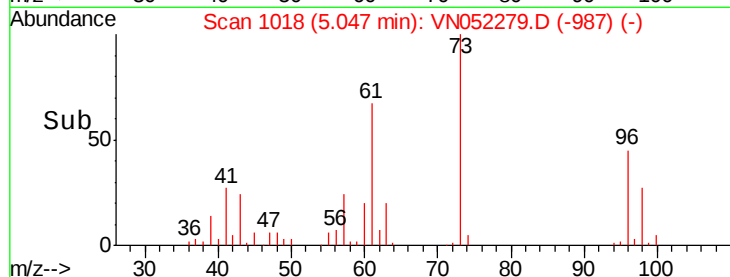
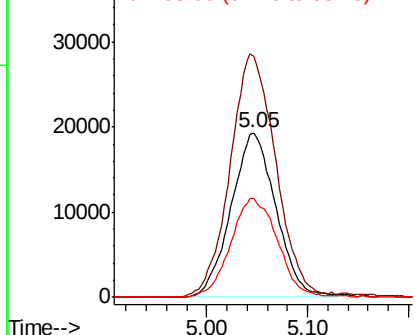


Abundance

Ion 96.00 (95.70 to 96.70): VNC

Ion 61.00 (60.70 to 61.70): VNC

Ion 98.00 (97.70 to 98.70): VNC



#20
Diisopropyl ether
Concen: 23.397 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.01 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.3	49.4	74.0
87	22.7	20.3	30.5
59	10.2	8.6	12.8

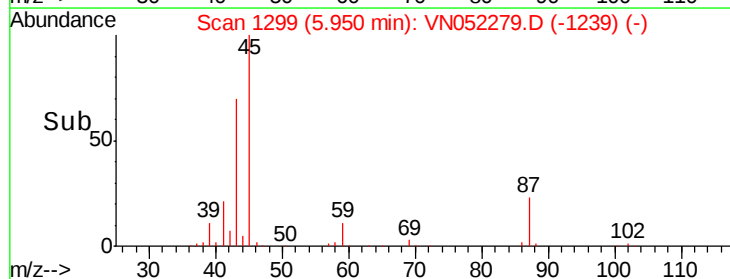
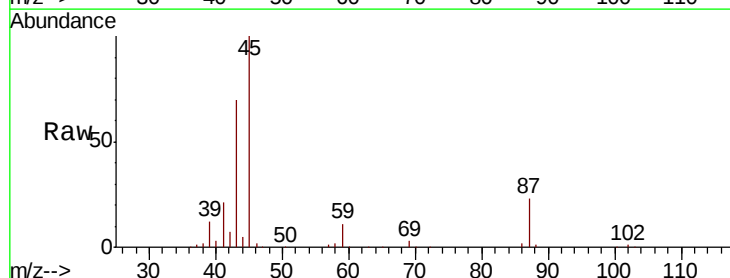
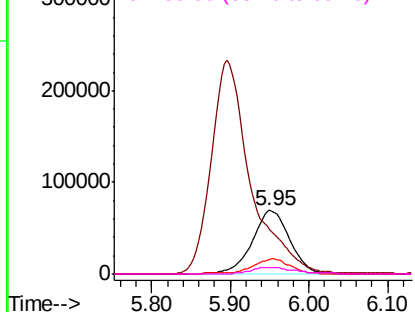
Abundance

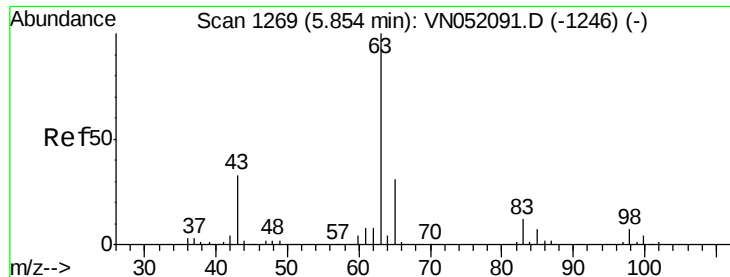
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





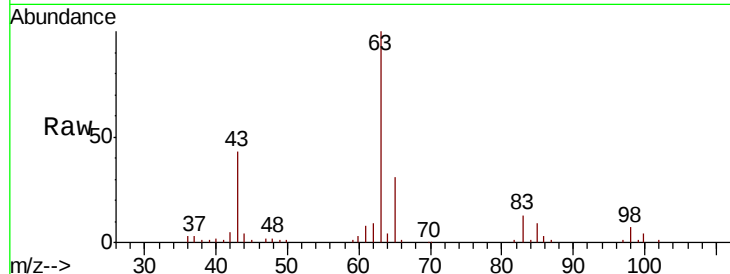
#21
 1,1-Dichloroethane
 Concen: 21.111 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.8	3.4	10.1	
100	4.1	2.0	5.8	

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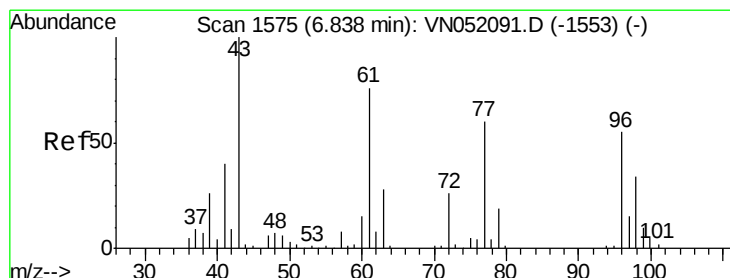
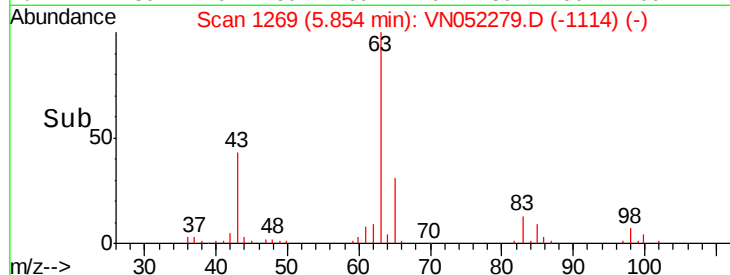
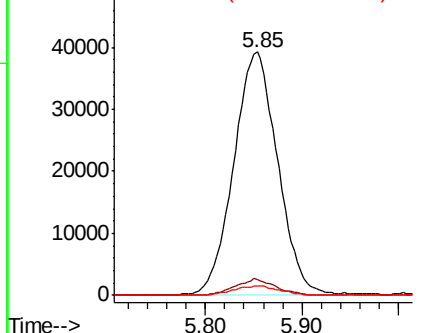


Abundance

Ion 63.00 (62.70 to 63.70): VN052091.D (-1246) (-)

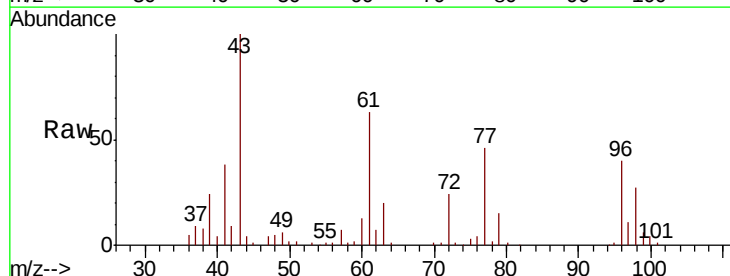
Ion 98.00 (97.70 to 98.70): VN052091.D (-1246) (-)

Ion 100.00 (99.70 to 100.70): VN052091.D (-1246) (-)



#22
 cis-1,2-Dichloroethene
 Concen: 19.788 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	157.5	117.6	176.4	
98	63.6	51.0	76.4	

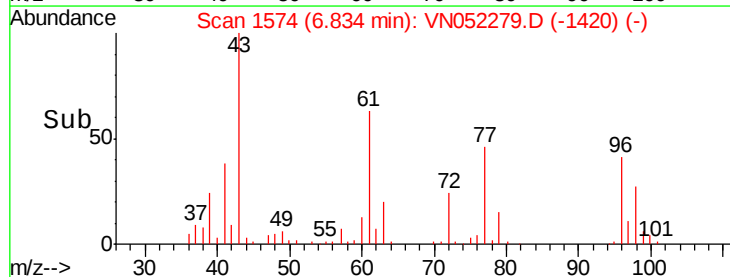
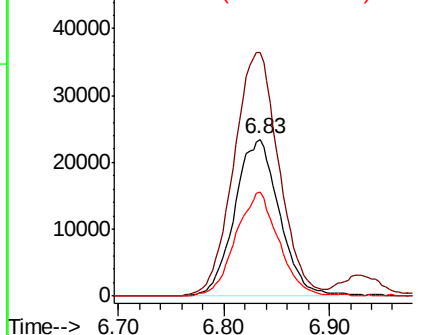


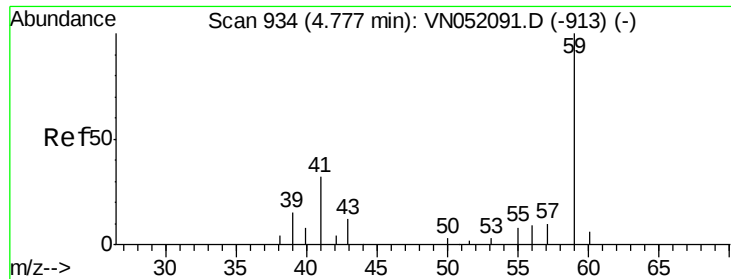
Abundance

Ion 96.00 (95.70 to 96.70): VN052091.D (-1553) (-)

Ion 61.00 (60.70 to 61.70): VN052091.D (-1553) (-)

Ion 98.00 (97.70 to 98.70): VN052091.D (-1553) (-)





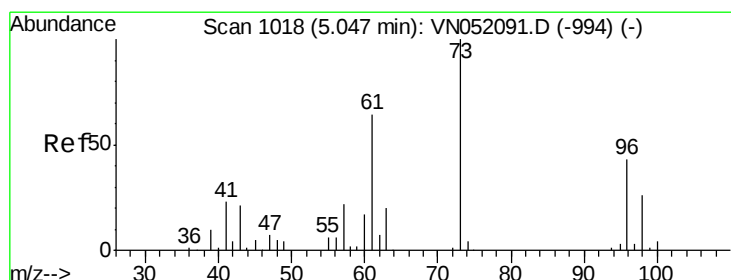
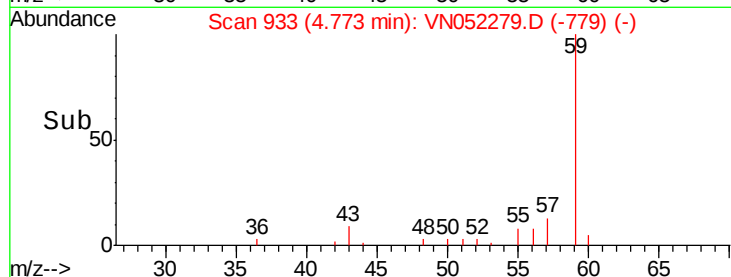
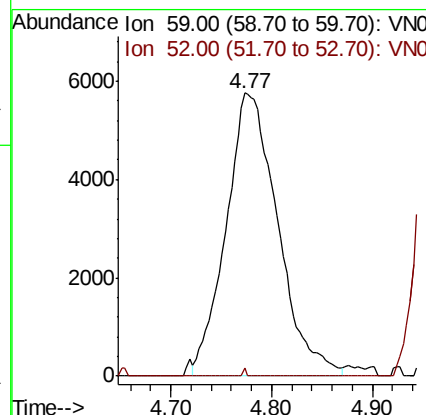
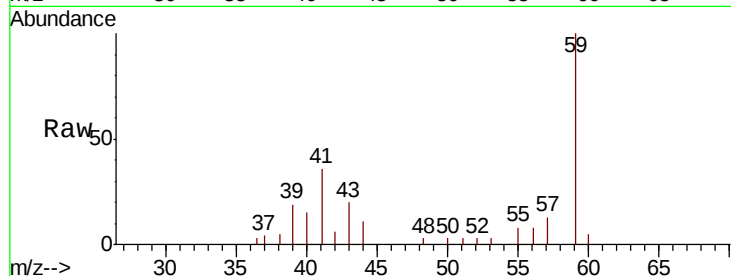
#23
tert-Butyl Alcohol
Concen: 129.819 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.3	0.5#

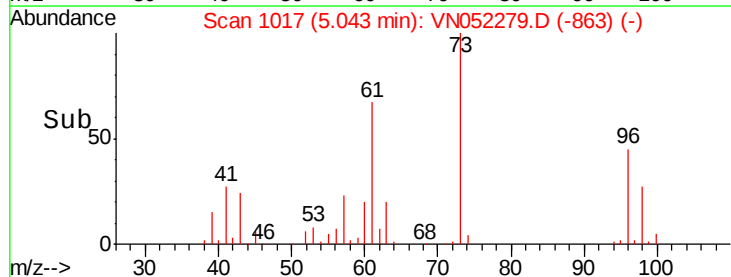
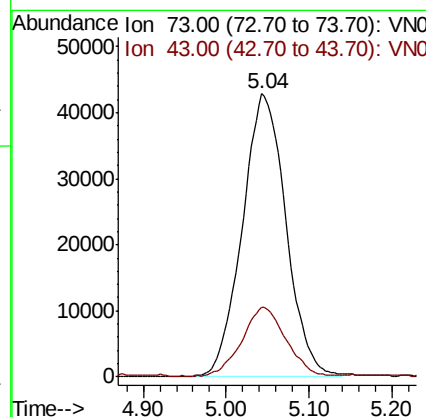
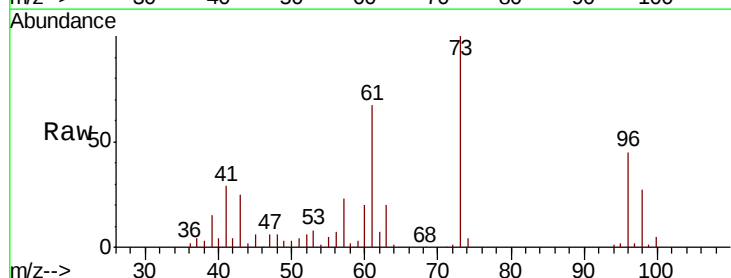
Manual Integrations
APPROVED

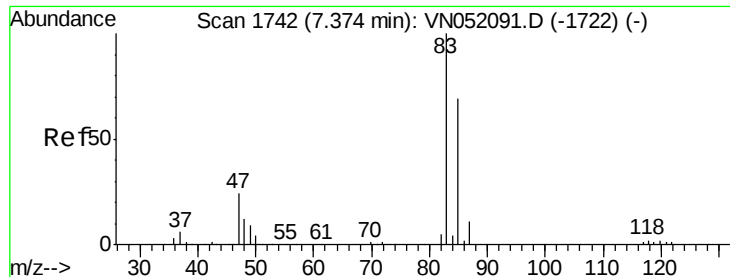
MMDadoda
11/14/2018 11:10:08 AM



#24
Methyl tert-Butyl Ether
Concen: 20.324 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
73	100		
43	24.5	17.4	26.2





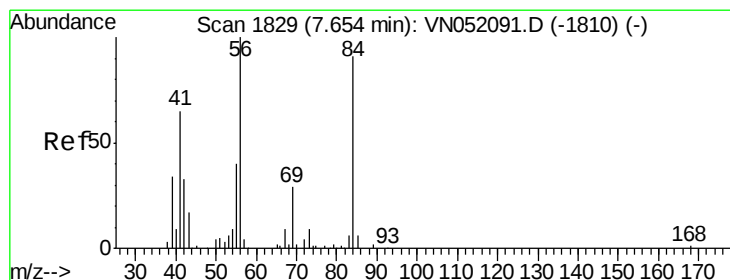
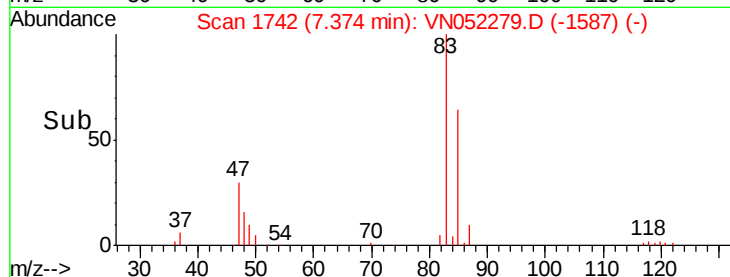
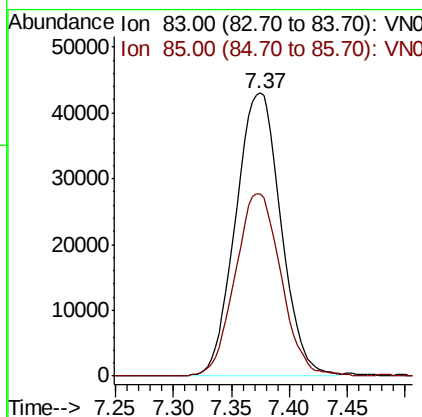
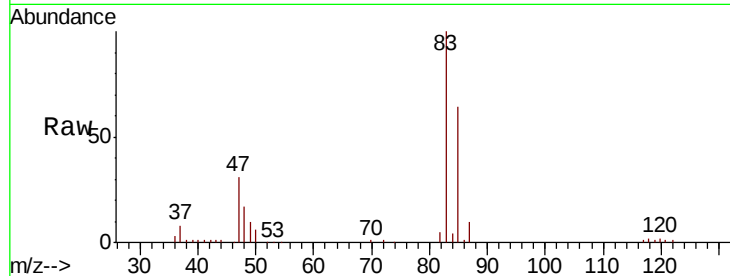
#25
Chloroform
Concen: 19.822 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	116818
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	54.9	82.3

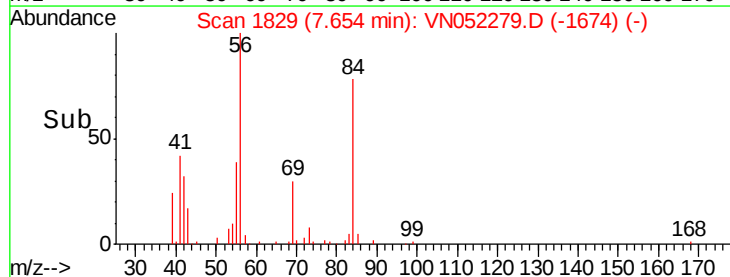
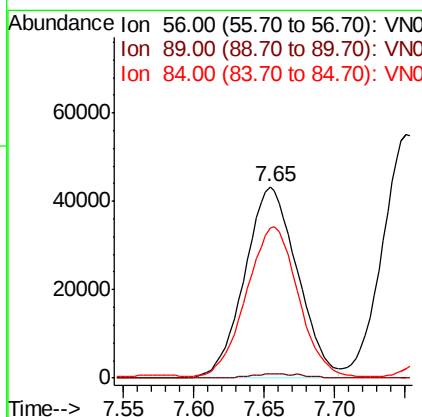
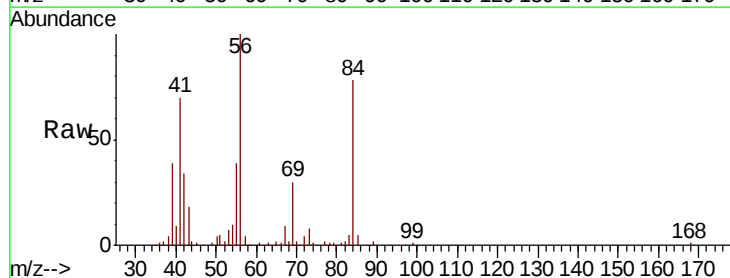
Manual Integrations
APPROVED

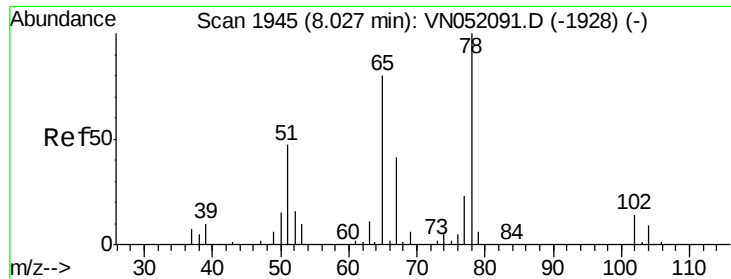
MMDadoda
11/14/2018 11:10:08 AM



#26
Cyclohexane
Concen: 21.412 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion	56	Resp	112655
Ion Ratio	100	Lower	Upper
56	100		
89	1.5	2.2	3.2#
84	77.4	71.0	106.6





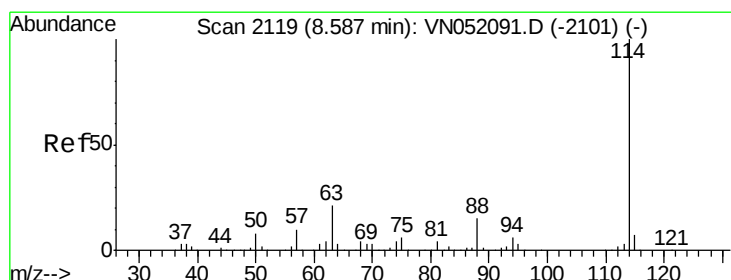
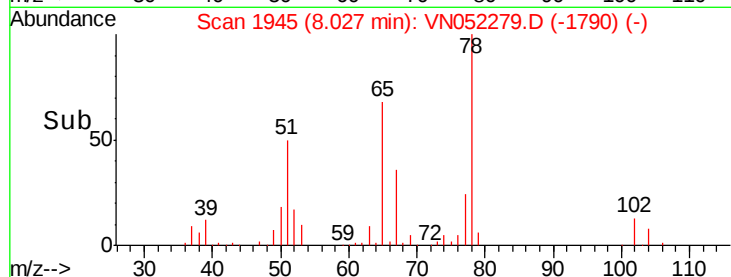
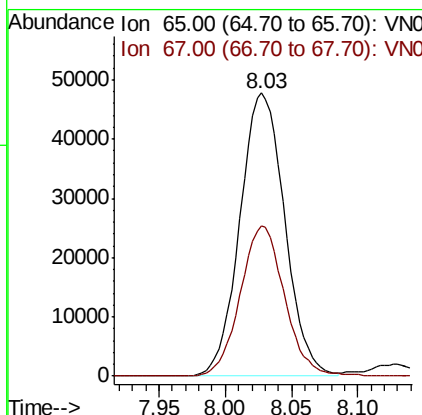
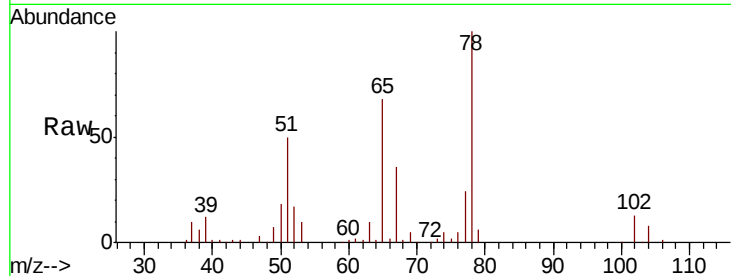
#27
 1,2-Dichloroethane-d4
 Concen: 21.412 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	42.6	64.0

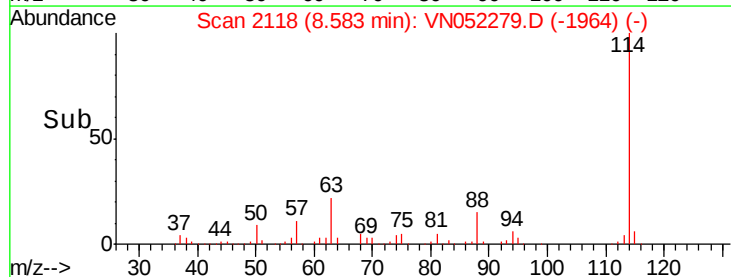
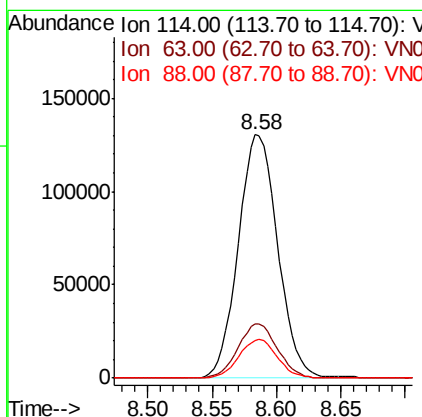
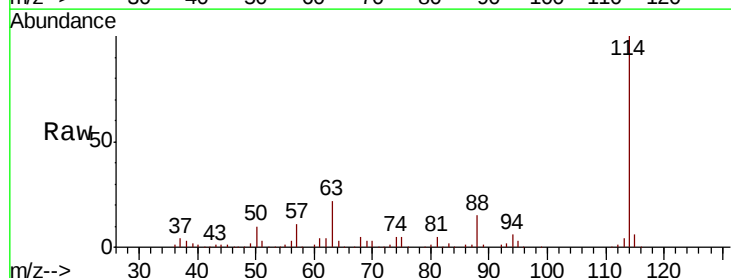
Manual Integrations
 APPROVED

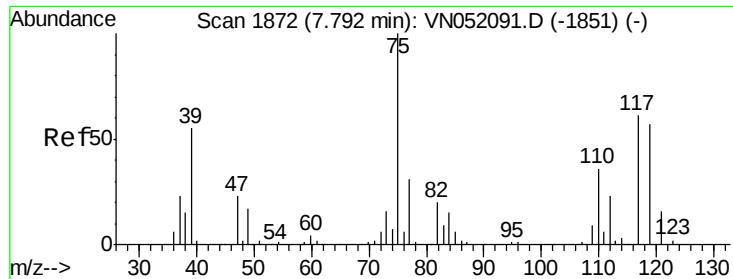
MMDadoda
 11/14/2018 11:10:08 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.2	17.5	26.3
88	15.5	12.6	18.8





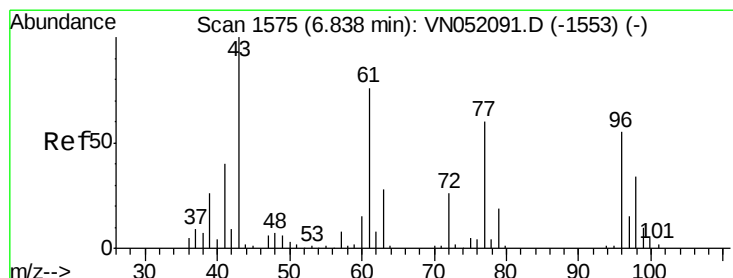
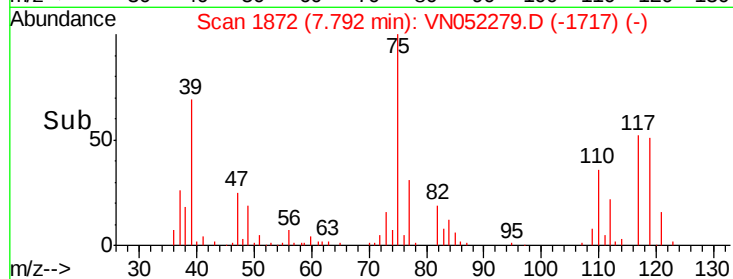
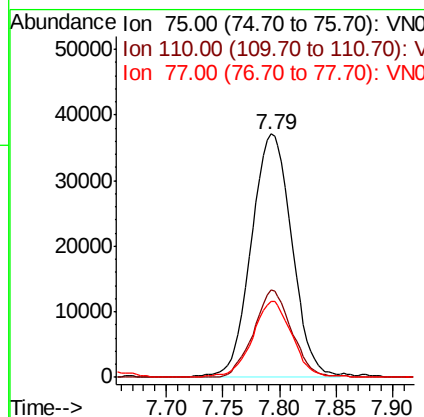
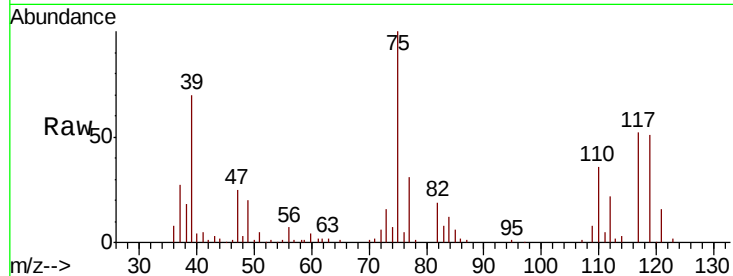
#29
 1,1-Dichloropropene
 Concen: 20.937 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.7	0.0	67.6
77	30.2	0.0	60.2

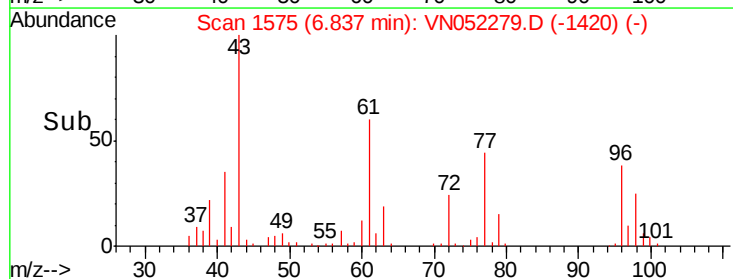
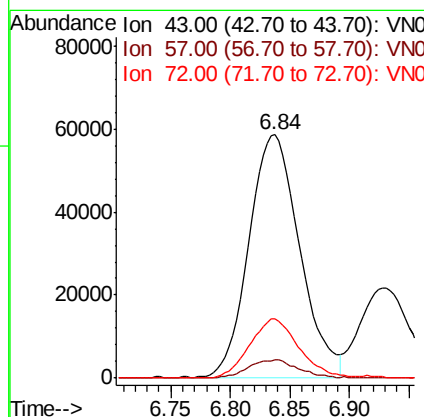
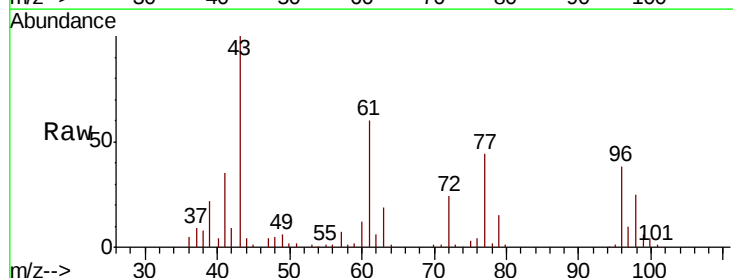
Manual Integrations
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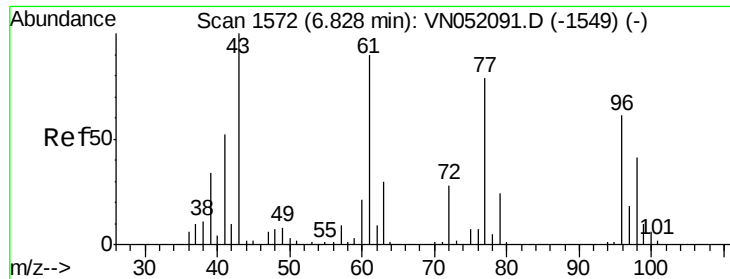
MMDadoda
 11/14/2018 11:10:08 AM



#30
 2-Butanone
 Concen: 146.399 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.5	6.6	9.8
72	23.8	9.2	13.8#





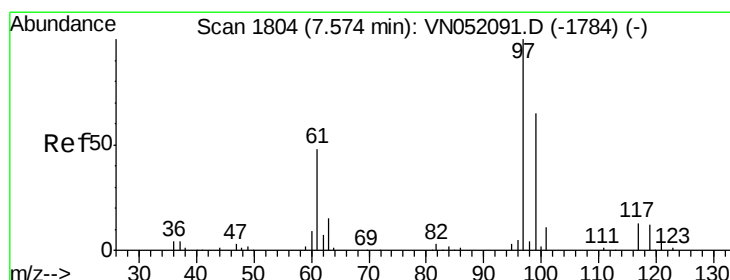
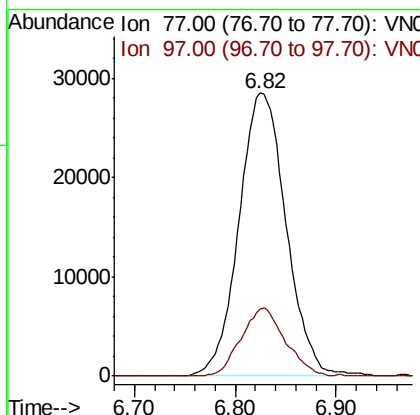
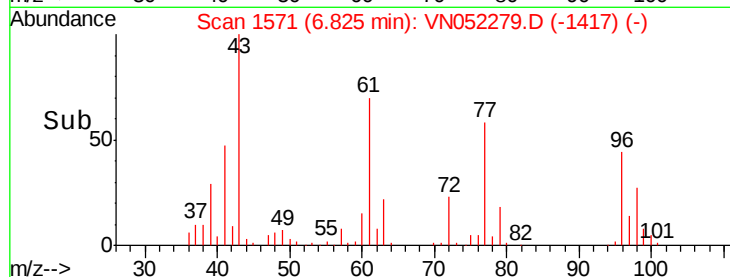
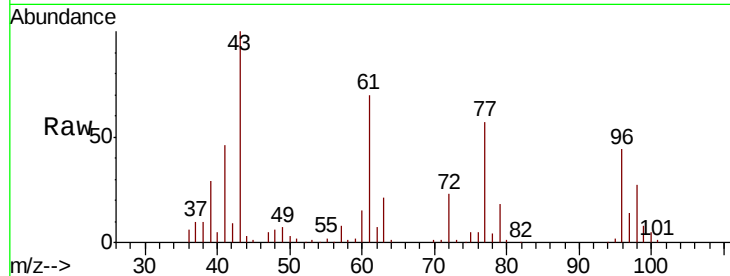
#31
 2,2-Dichloropropane
 Concen: 20.258 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 77 Resp: 92175
 Ion Ratio Lower Upper
 77 100
 97 22.6 18.2 27.2

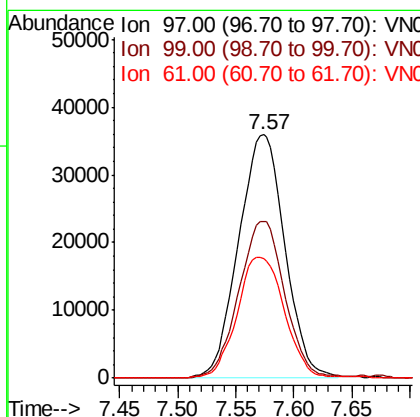
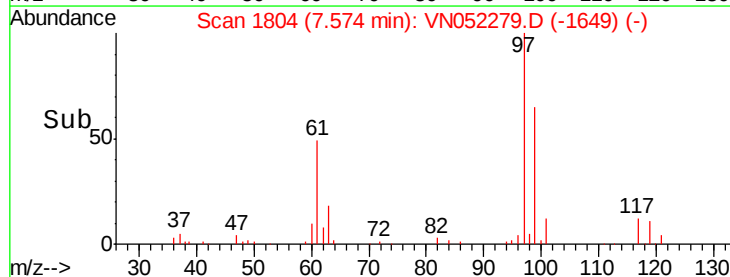
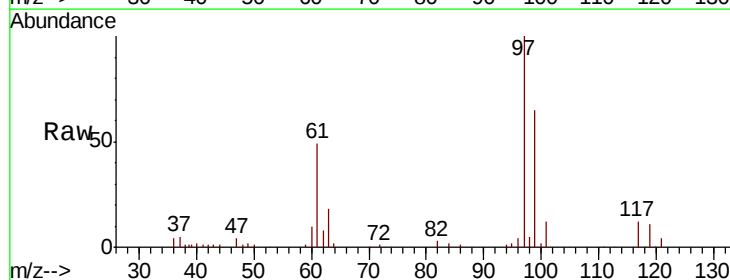
Manual Integrations
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MMDadoda
 11/14/2018 11:10:08 AM



#32
 1,1,1-Trichloroethane
 Concen: 20.123 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Tgt Ion: 97 Resp: 99450
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.7 77.5
 61 50.8 38.7 58.1





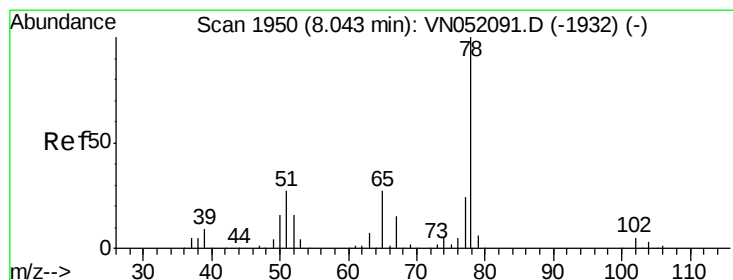
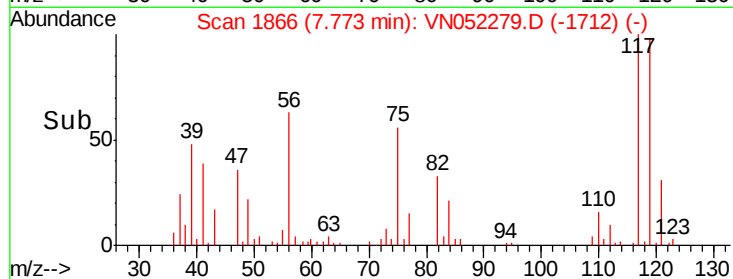
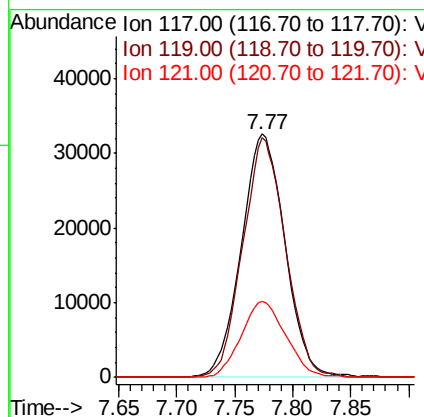
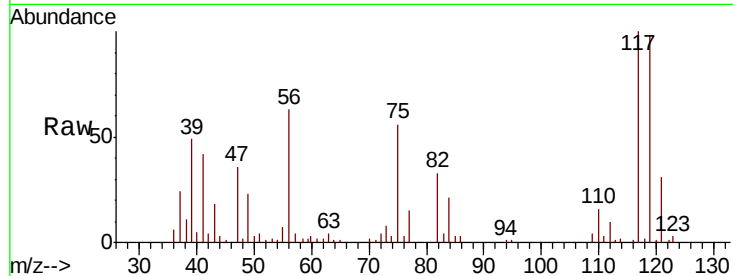
#33
Carbon Tetrachloride
Concen: 19.325 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.3	74.7	112.1
121	30.9	23.4	35.0

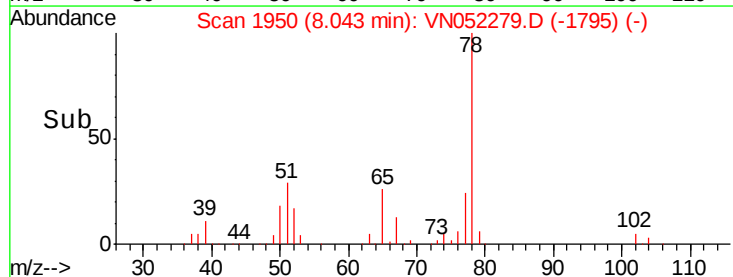
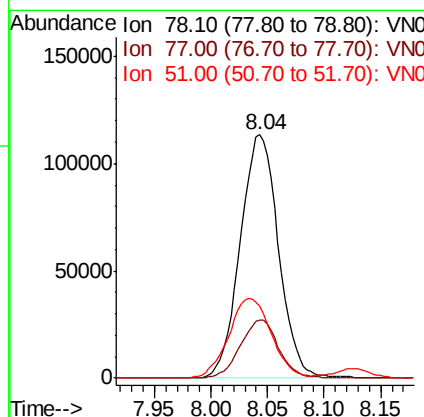
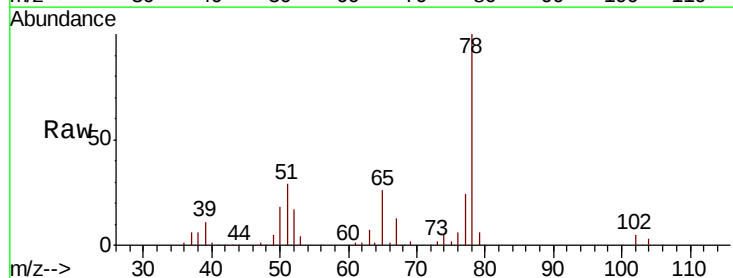
Manual Integrations
APPROVED

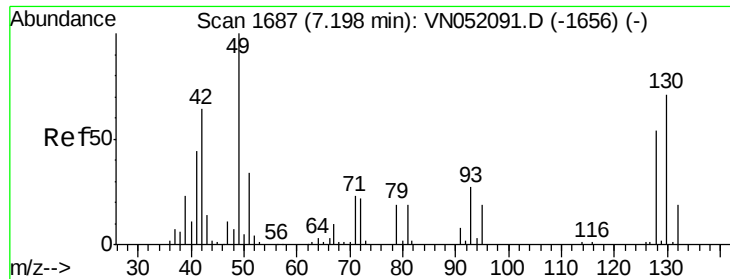
MMDadoda
11/14/2018 11:10:08 AM



#34
Benzene
Concen: 20.680 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7
51	29.1	21.2	31.8





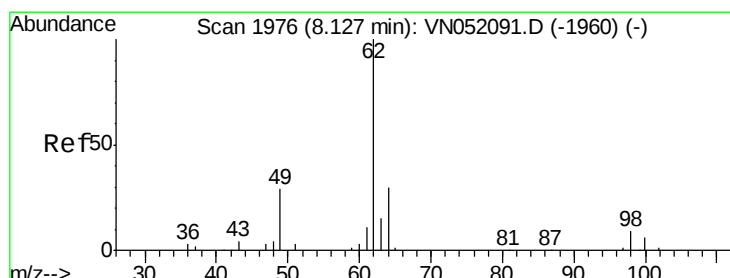
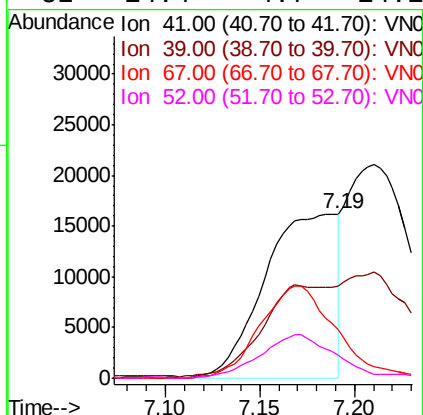
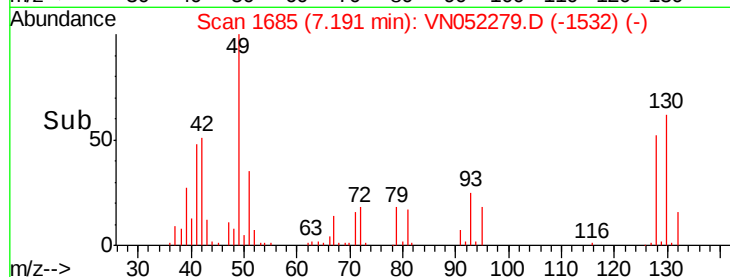
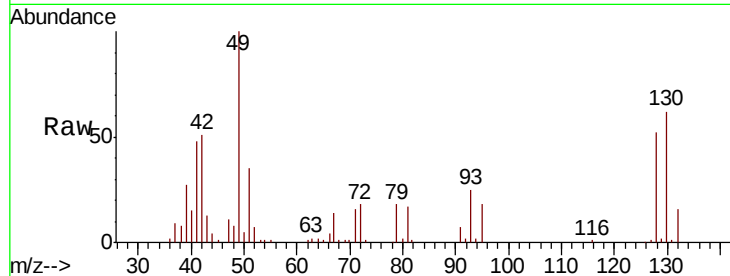
#35
Methacrylonitrile
Concen: 26.812 ug/l m
RT: 7.19 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 41 Resp: 43259
Ion Ratio Lower Upper
41 100
39 56.1 26.1 78.3
67 30.0 11.0 33.0
52 14.4 4.7 14.1#

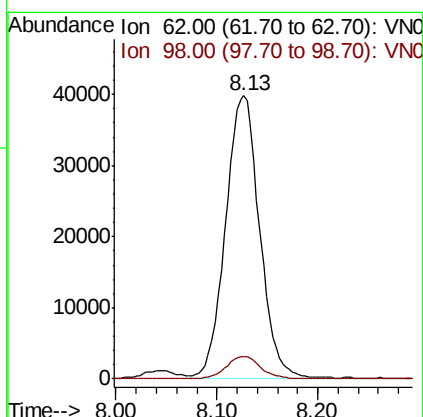
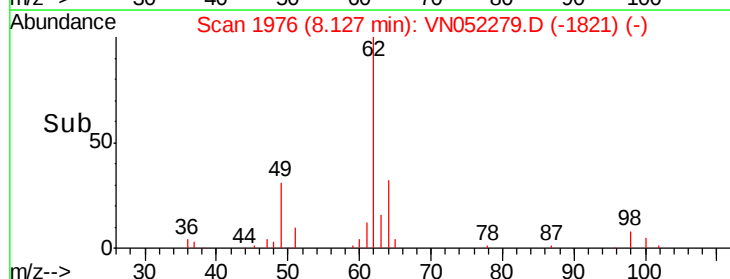
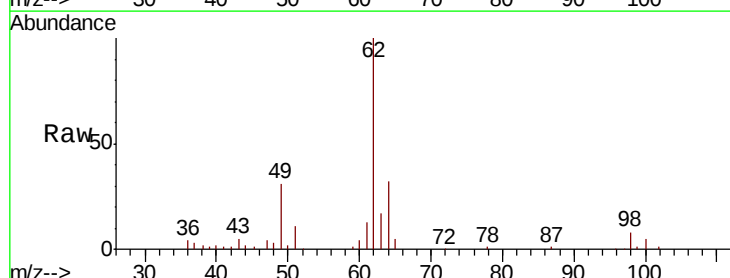
Manual Integrations
APPROVED

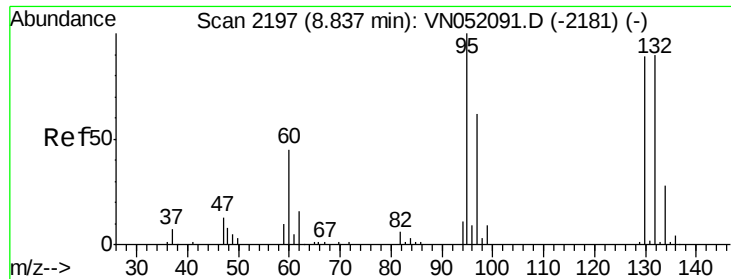
MMDadoda
11/14/2018 11:10:08 AM



#36
1,2-Dichloroethane
Concen: 21.711 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion: 62 Resp: 93887
Ion Ratio Lower Upper
62 100
98 8.0 6.7 10.1





#37

Trichloroethene

Concen: 20.332 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:130 Resp: 65816

Ion Ratio Lower Upper

130 100

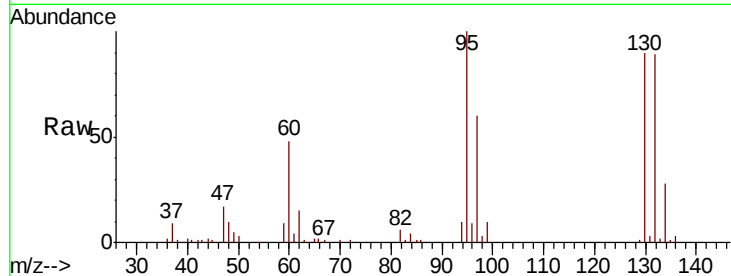
95 111.7 89.9 134.9

Manual Integrations

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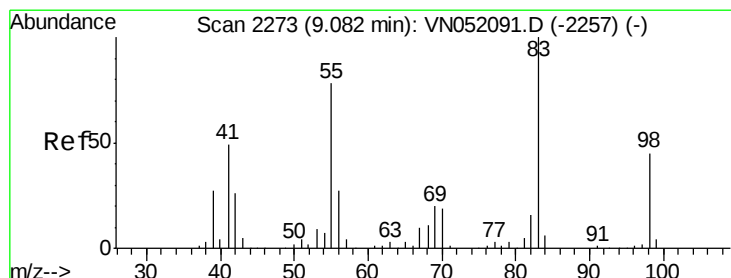
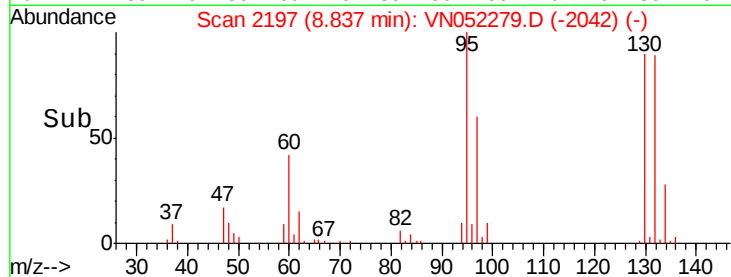
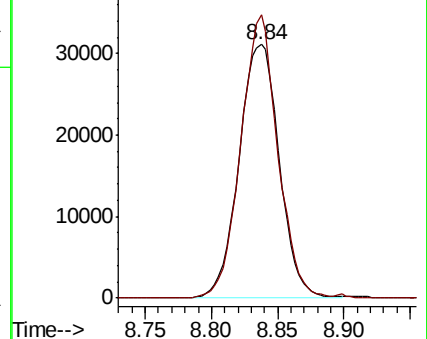
MMDadoda

11/14/2018 11:10:08 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 19.883 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

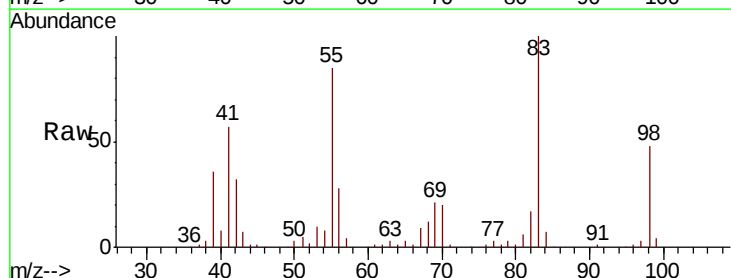
Tgt Ion: 83 Resp: 107136

Ion Ratio Lower Upper

83 100

55 84.3 38.5 115.3

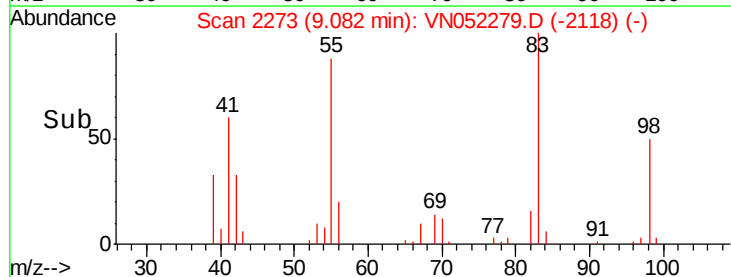
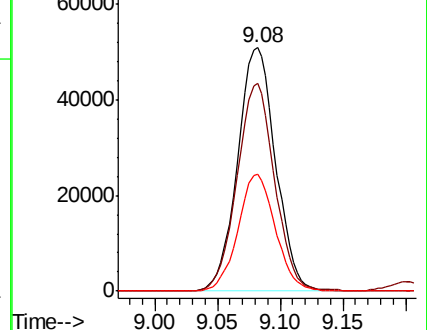
98 47.0 23.2 69.6

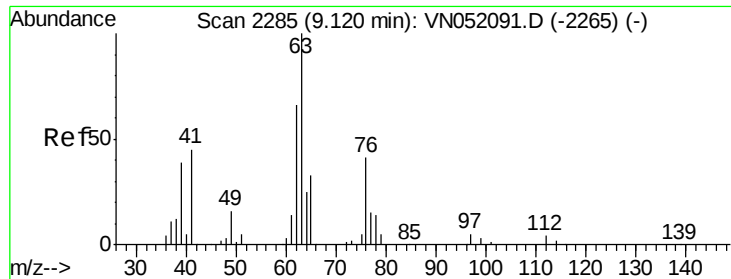


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





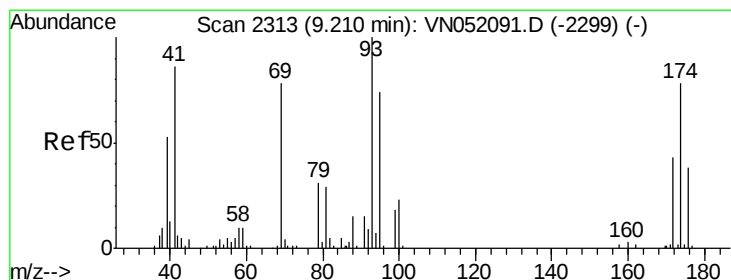
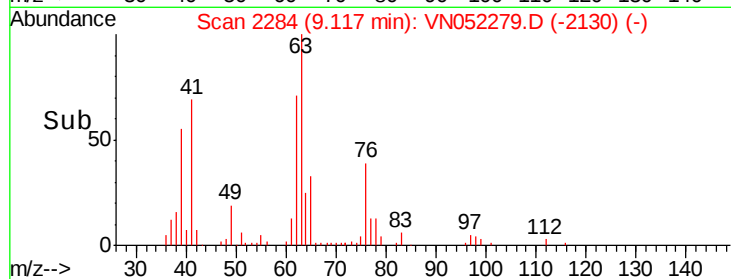
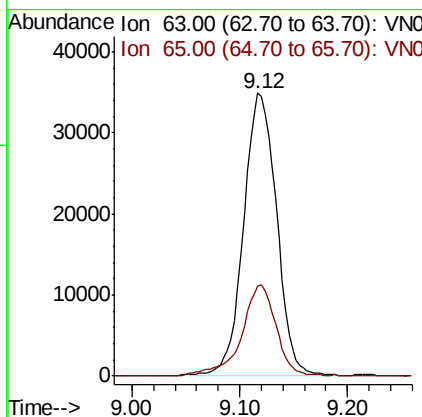
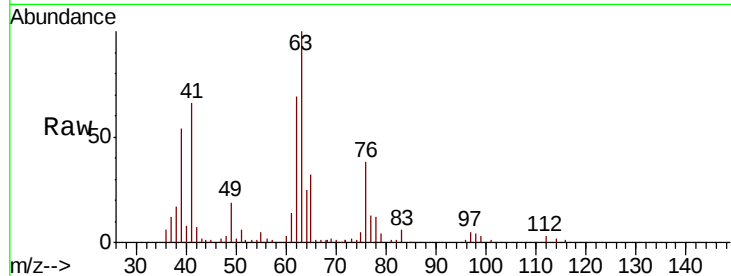
#39
 1,2-Dichloropropane
 Concen: 21.692 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 63 Resp: 74682
 Ion Ratio Lower Upper
 63 100
 65 31.7 27.3 40.9

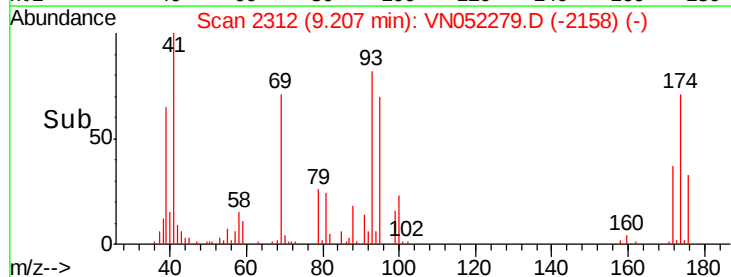
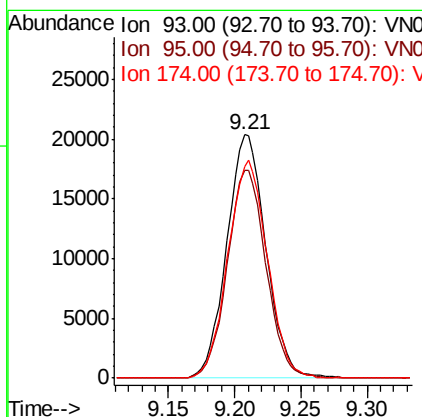
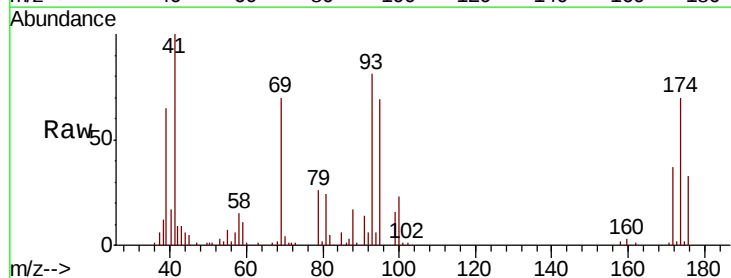
Manual Integrations
 APPROVED

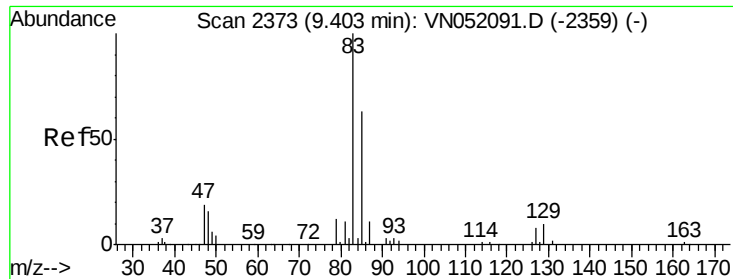
MMDadoda
 11/14/2018 11:10:08 AM



#40
 Dibromomethane
 Concen: 19.683 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Tgt Ion: 93 Resp: 41769
 Ion Ratio Lower Upper
 93 100
 95 84.5 0.0 161.2
 174 89.9 0.0 165.0





#41

Bromodichloromethane

Concen: 20.291 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

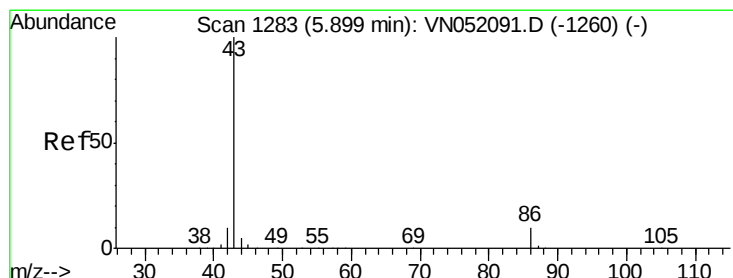
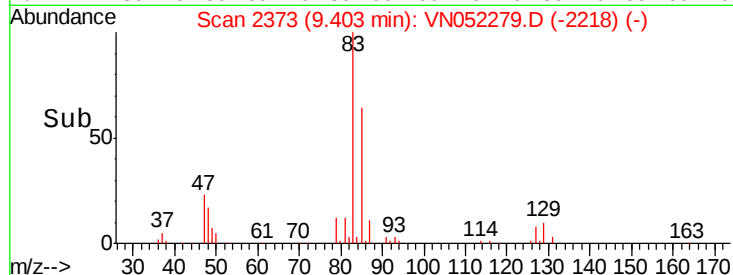
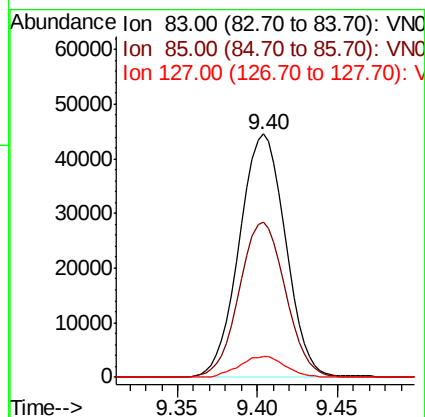
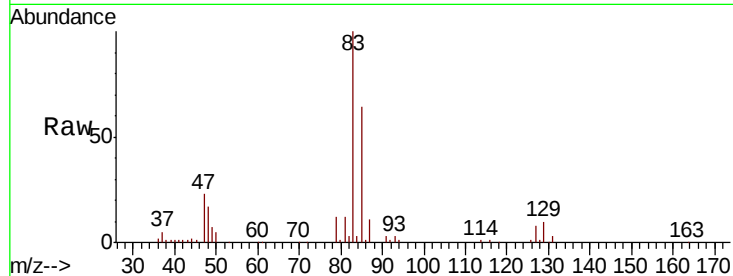
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	88102
Ion Ratio	Lower	Upper	
83	100		
85	63.7	50.2	75.2
127	8.4	6.6	10.0

Manual Integrations
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#42

Vinyl Acetate

Concen: 117.253 ug/l

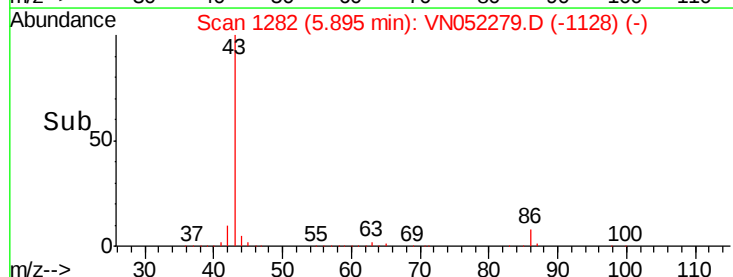
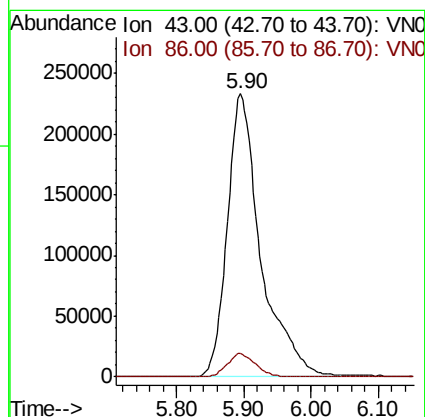
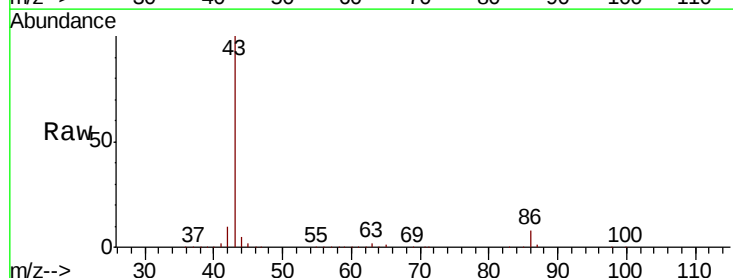
RT: 5.90 min Scan# 1282

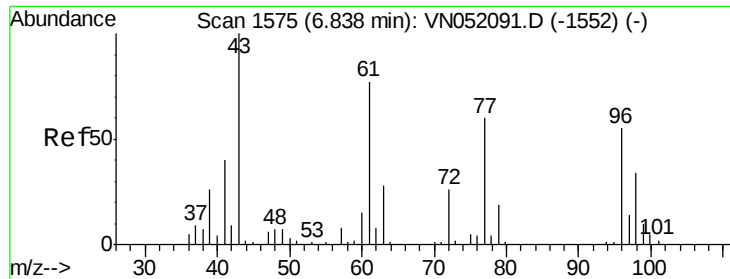
Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Tgt Ion:	43	Resp:	807446
Ion Ratio	Lower	Upper	
43	100		
86	7.0	6.6	10.0





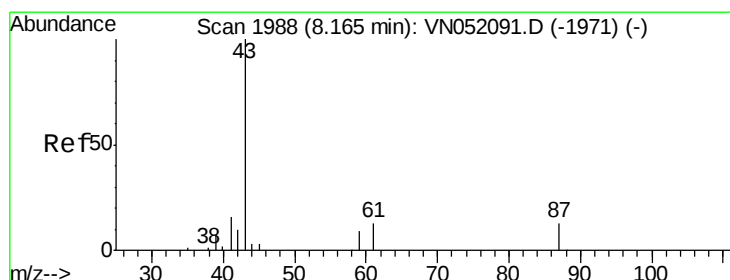
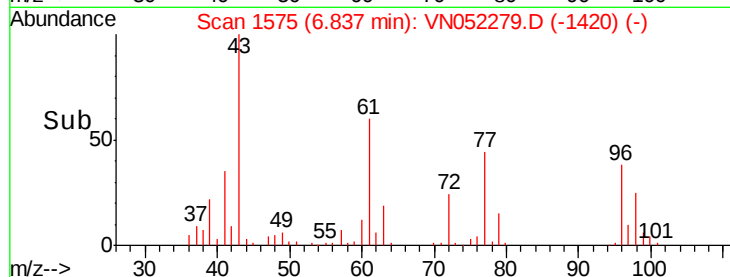
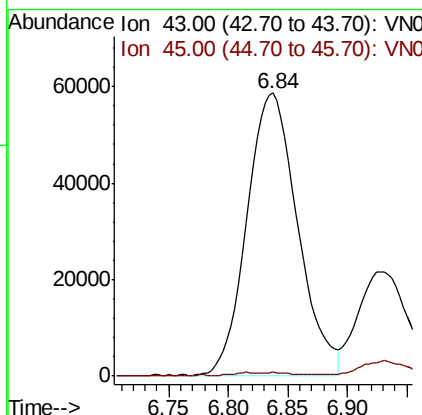
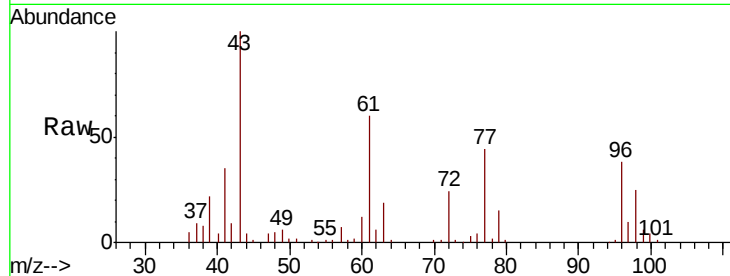
#43
Ethyl Acetate
Concen: 29.131 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 172210
Ion Ratio Lower Upper
43 100
45 0.4 3.8 5.8#

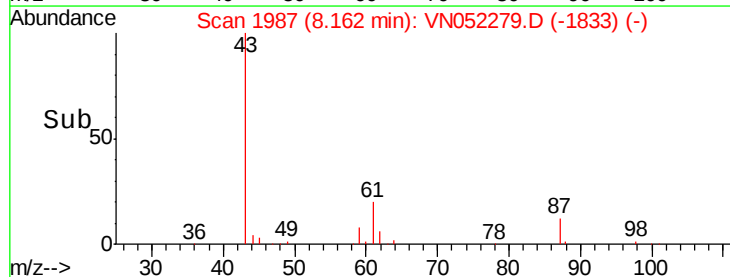
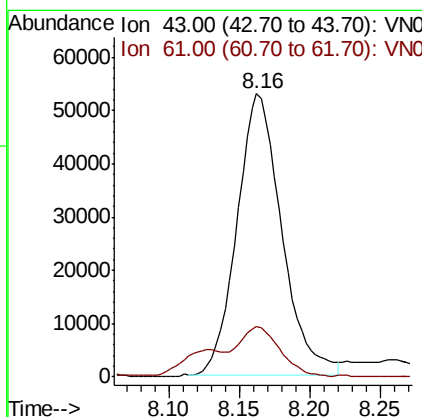
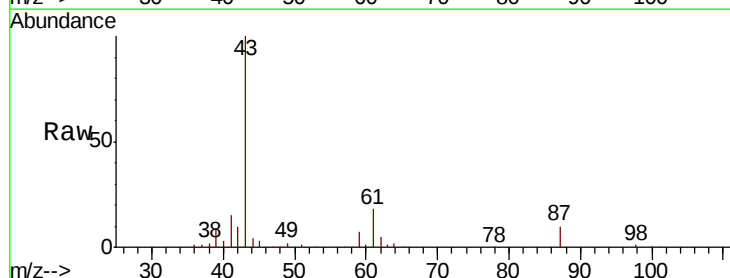
Manual Integrations
APPROVED

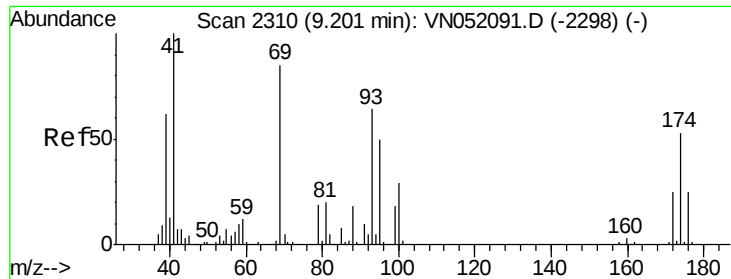
MMDadoda
11/14/2018 11:10:08 AM



#44
Isopropyl Acetate
Concen: 24.015 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion: 43 Resp: 117540
Ion Ratio Lower Upper
43 100
61 15.8 16.2 24.2#





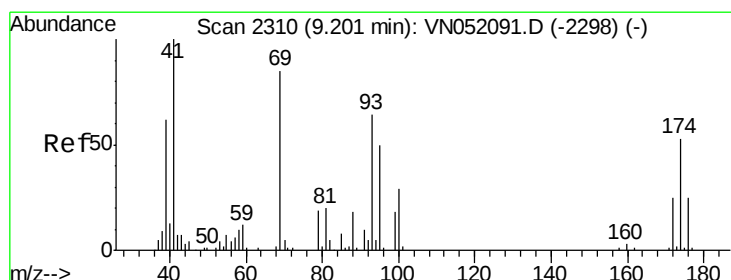
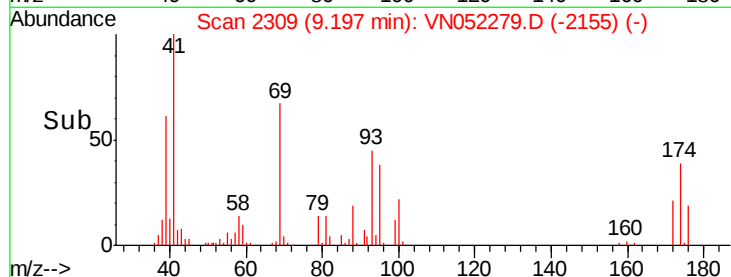
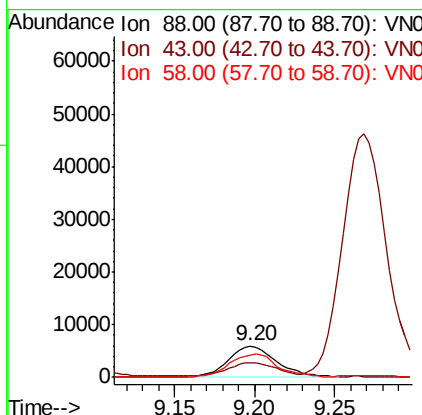
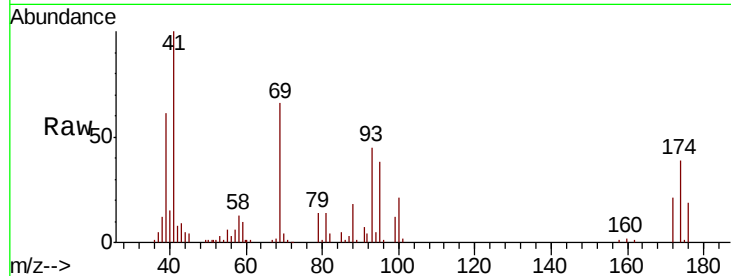
#45
 1,4-Dioxane
 Concen: 554.640 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.6	28.6	43.0
58	74.3	37.8	56.8#

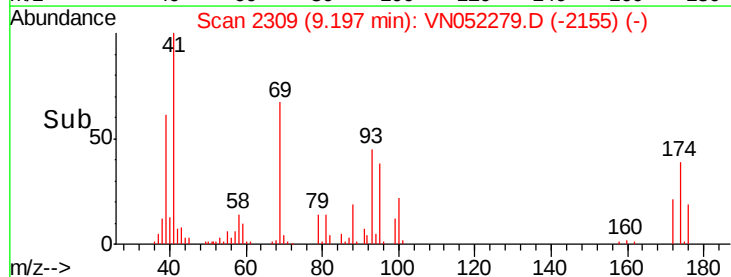
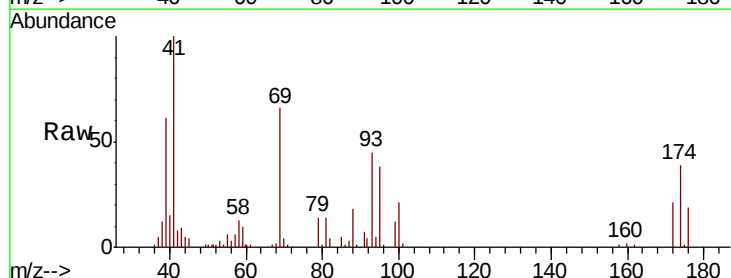
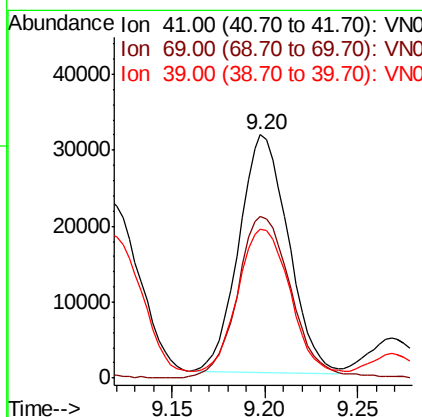
Manual Integrations
 APPROVED

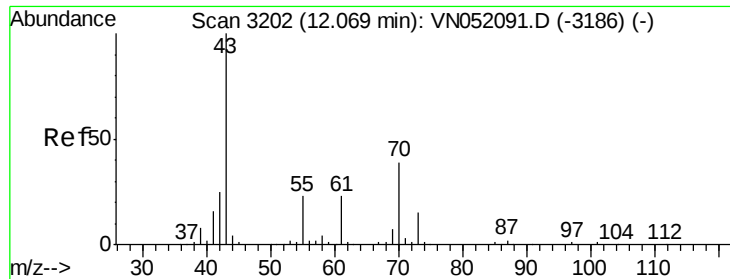
MMDadoda
 11/14/2018 11:10:08 AM



#46
 Methyl methacrylate
 Concen: 23.770 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
41	100		
69	67.4	42.5	127.6
39	59.8	31.1	93.3





#47

n-amyl Acetate

Concen: 23.142 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 102671

Ion Ratio Lower Upper

43 100

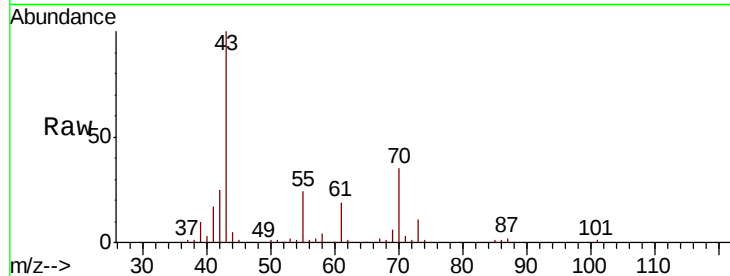
55 23.0 0.0 0.0#

Manual Integrations

APPROVED

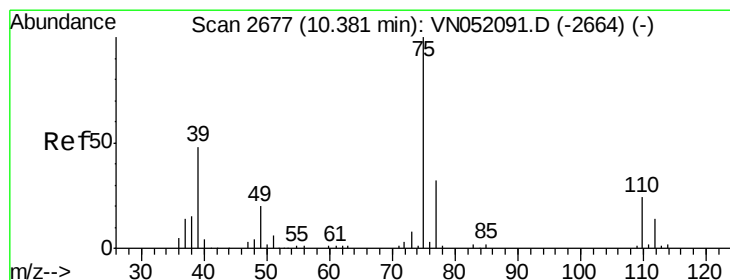
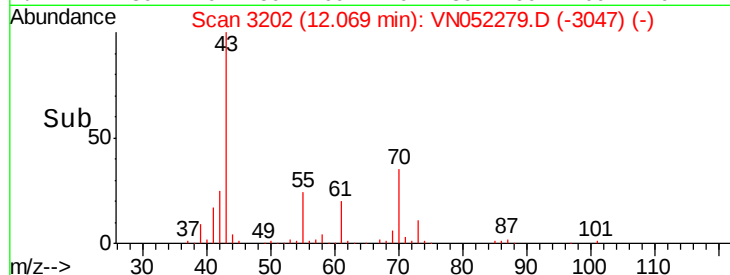
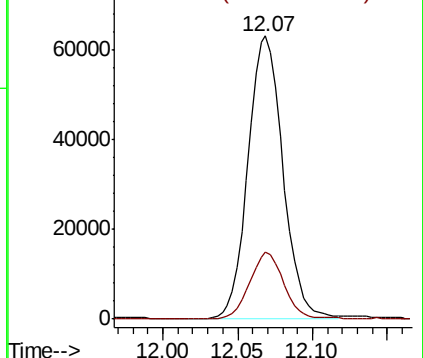
MMDadoda

11/14/2018 11:10:08 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 19.747 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052279.D

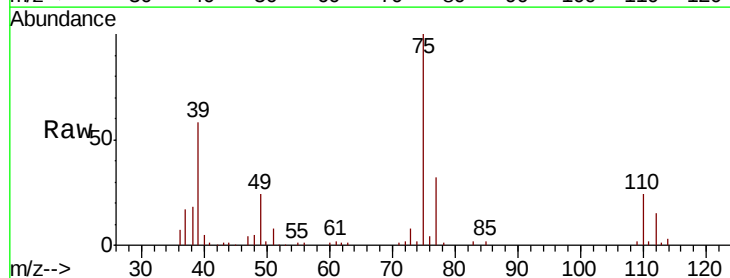
Acq: 13 Nov 2018 11:41

Tgt Ion: 75 Resp: 85138

Ion Ratio Lower Upper

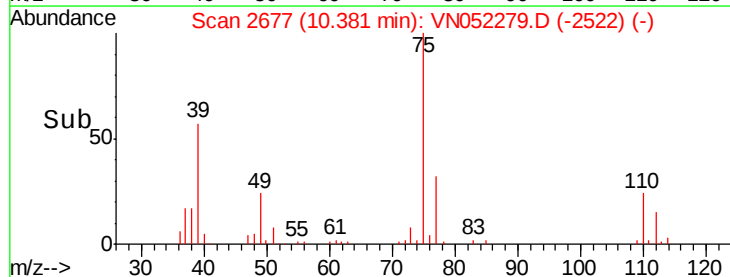
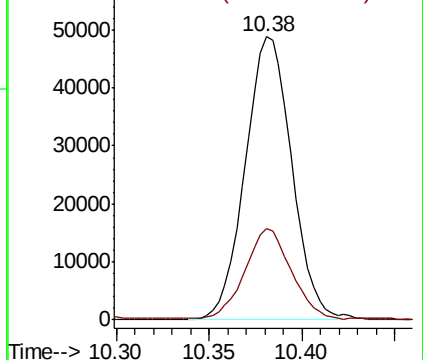
75 100

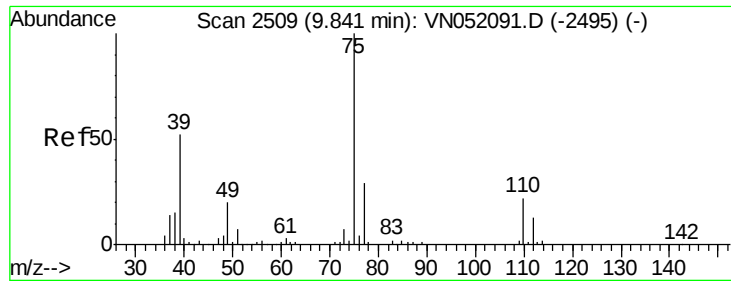
77 31.8 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





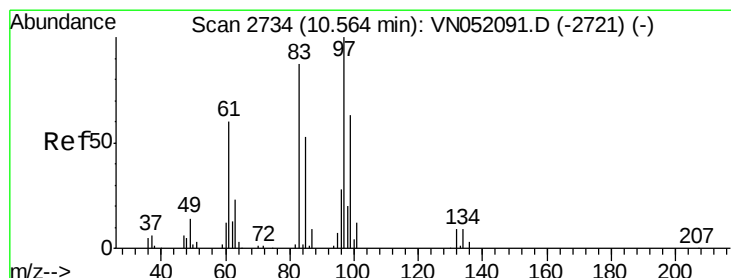
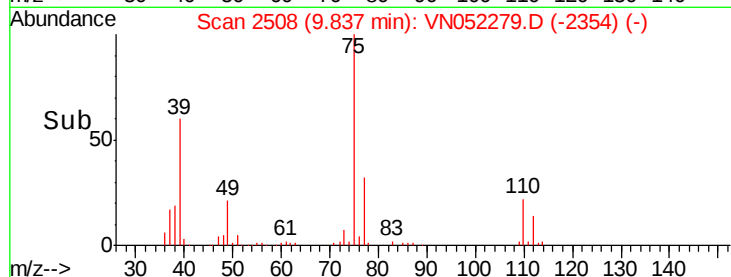
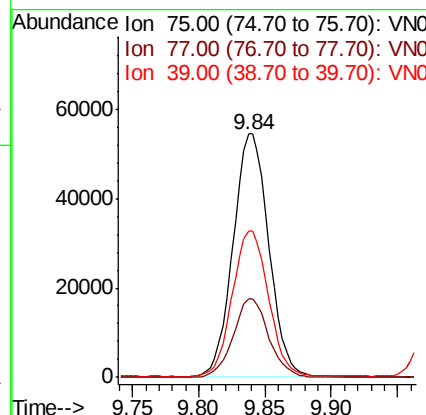
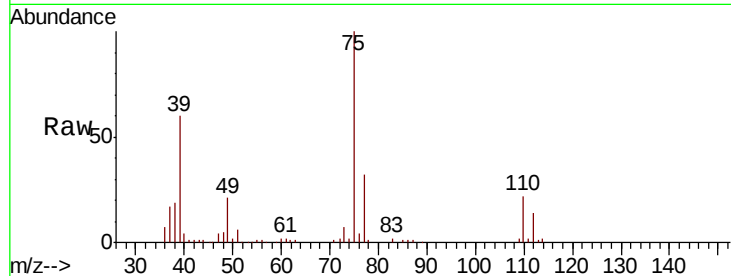
#49
 cis-1,3-Dichloropropene
 Concen: 20.517 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	23.3	34.9
39	59.7	41.6	62.4

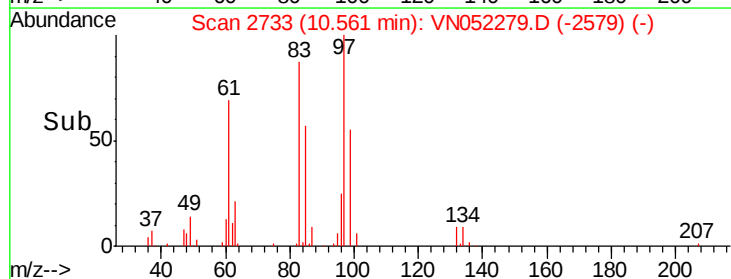
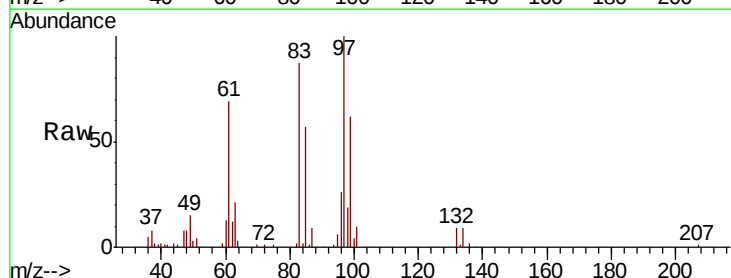
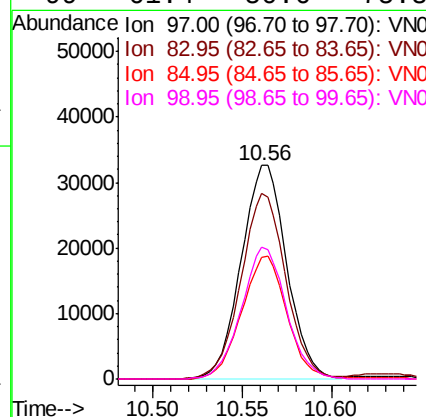
Manual Integrations
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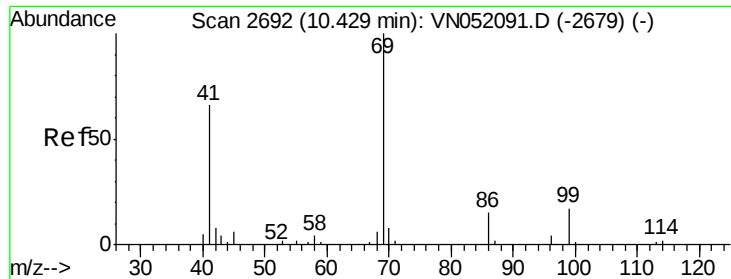
MMDadoda
 11/14/2018 11:10:08 AM



#50
 1,1,2-Trichloroethane
 Concen: 20.714 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.2	69.4	104.0
85	57.0	42.7	64.1
99	61.4	50.6	75.8





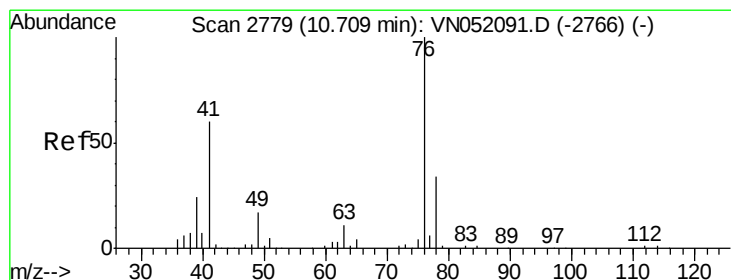
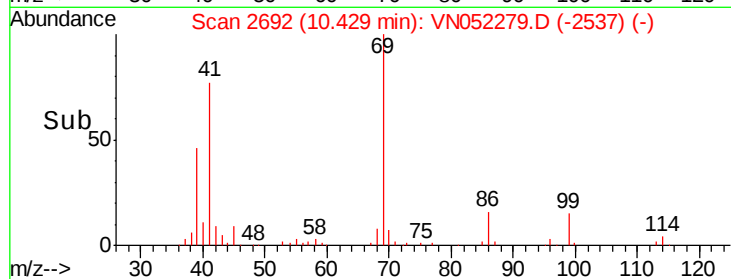
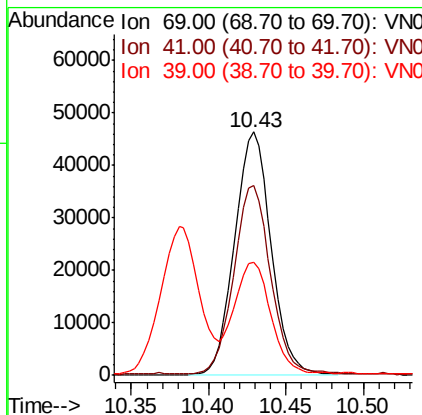
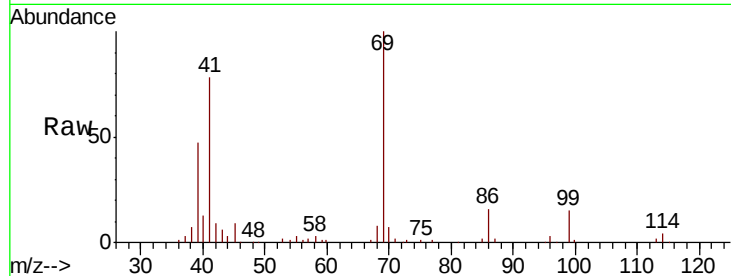
#51
Ethyl methacrylate
Concen: 21.058 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
69	100		
41	77.1	33.0	99.0
39	45.7	20.7	62.1

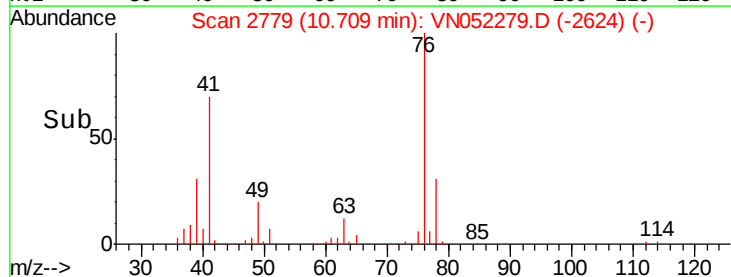
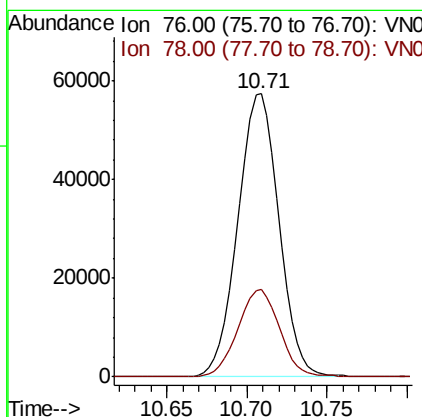
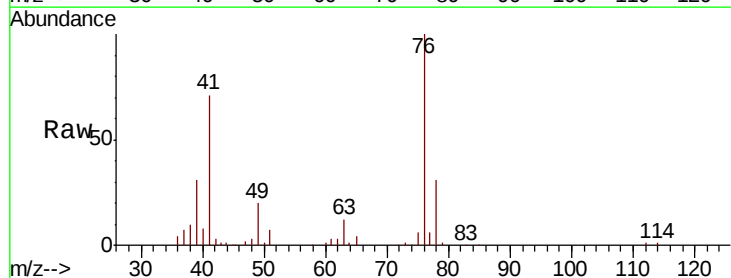
Manual Integrations
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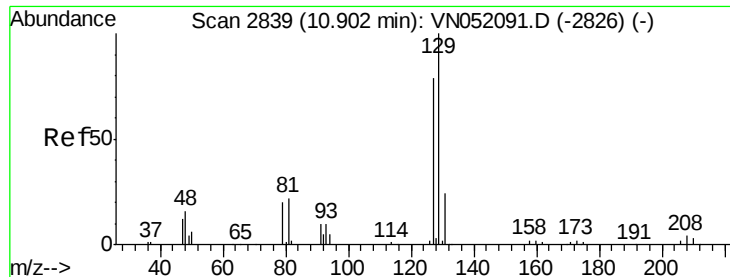
MMDadoda
11/14/2018 11:10:08 AM



#52
1,3-Dichloropropane
Concen: 20.558 ug/l
RT: 10.71 min Scan# 2779
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.2	0.0	65.0





#53

Dibromochloromethane

Concen: 19.466 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:129 Resp: 58971

Ion Ratio Lower Upper

129 100

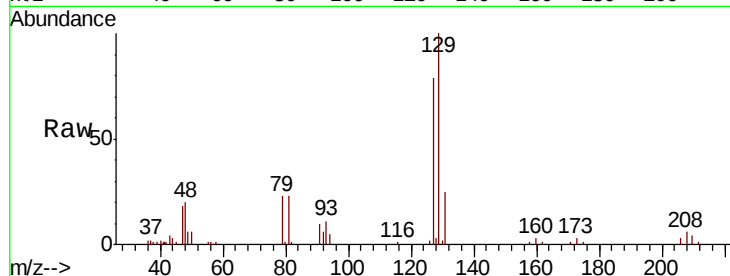
127 77.6 39.2 117.6

Manual Integrations

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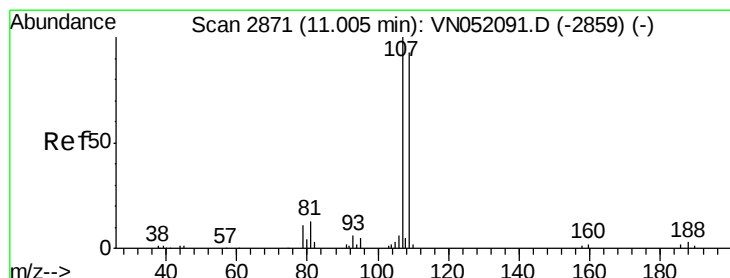
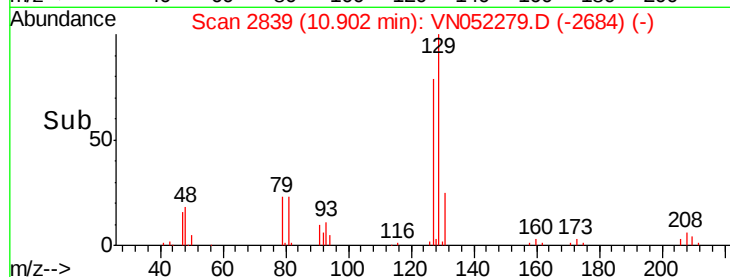
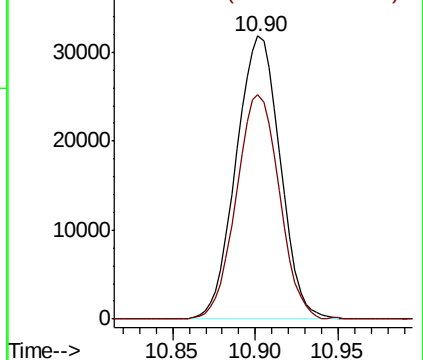
MMDadoda

11/14/2018 11:10:08 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.623 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052279.D

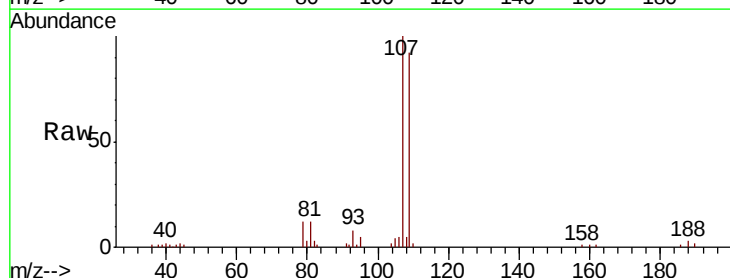
Acq: 13 Nov 2018 11:41

Tgt Ion:107 Resp: 55839

Ion Ratio Lower Upper

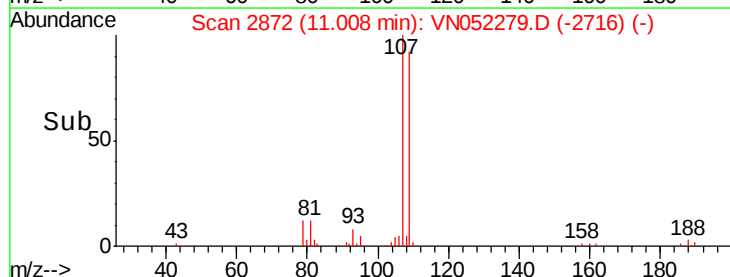
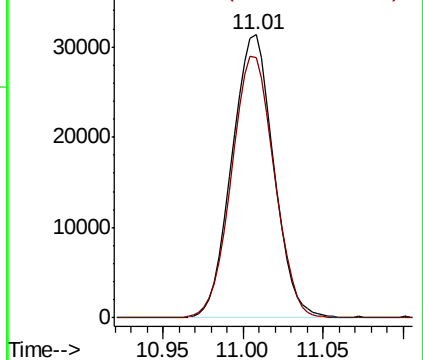
107 100

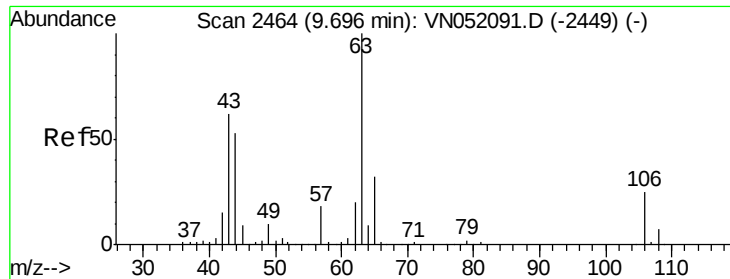
109 94.4 77.0 115.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





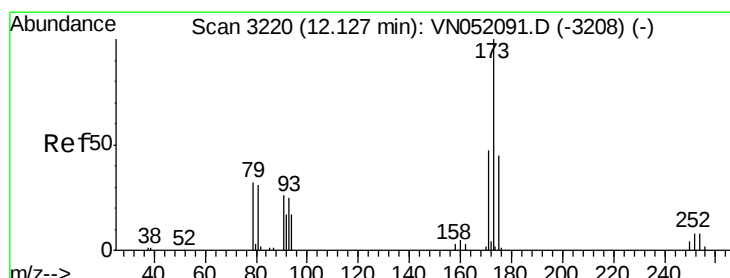
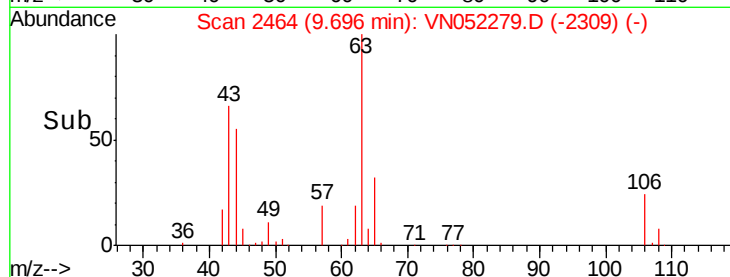
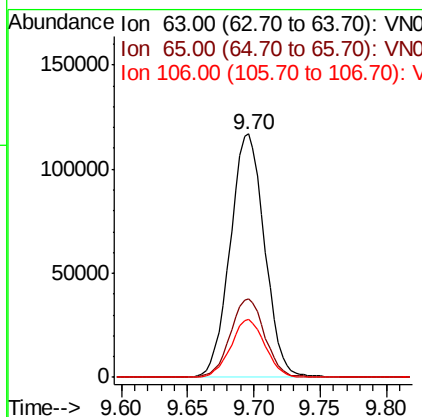
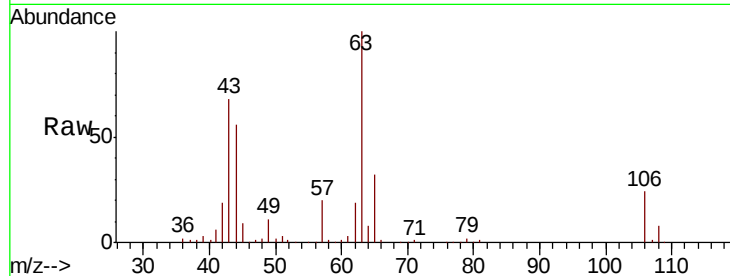
#55
2-Chloroethyl vinyl ether
Concen: 106.209 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.5	38.3
106	23.7	20.4	30.6

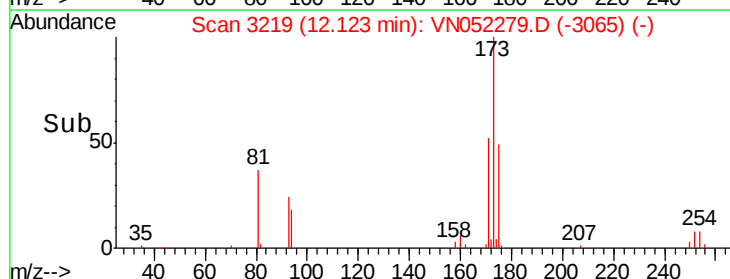
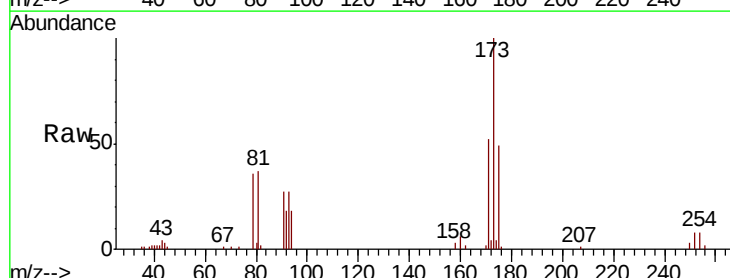
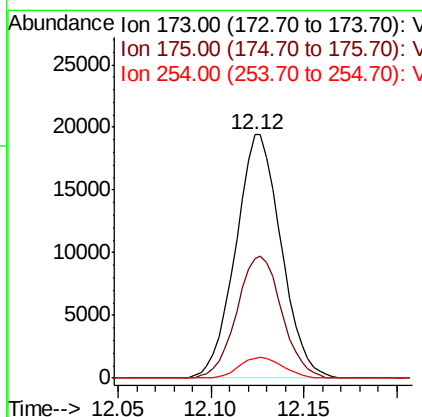
Manual Integrations
APPROVED

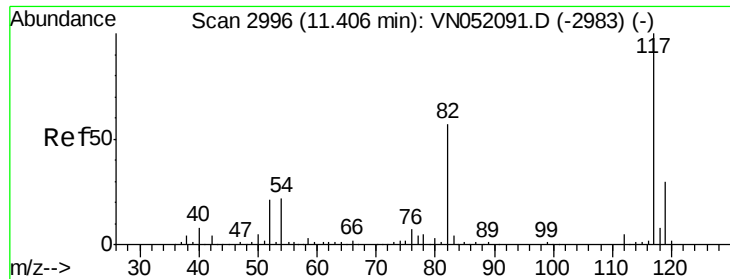
MMDadoda
11/14/2018 11:10:08 AM



#56
Bromoform
Concen: 18.988 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	37.3	55.9
254	8.1	7.0	10.6





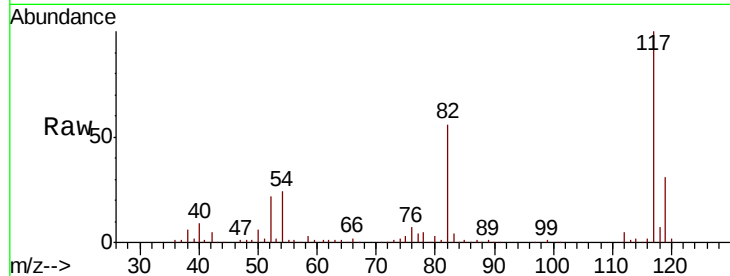
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.9	45.0	67.6
119	31.8	24.2	36.4

Manual Integrations
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11/14/2018 11:10:08 AM

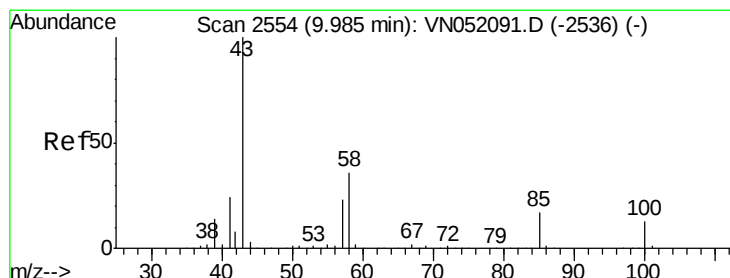
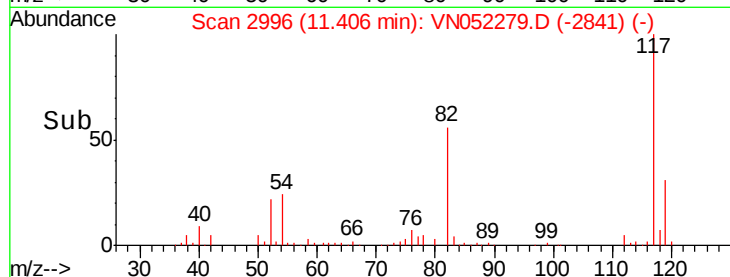
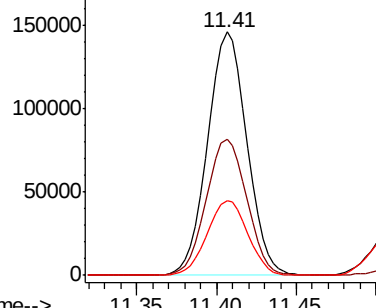


Abundance

Ion 117.00 (116.70 to 117.70): V

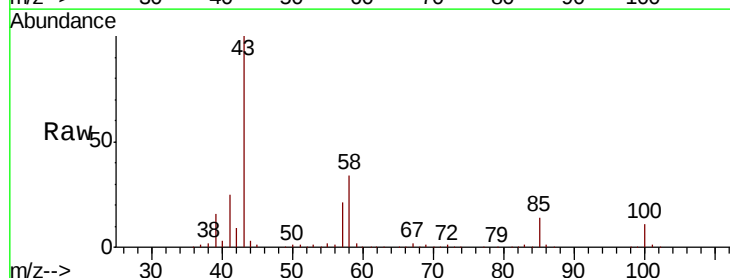
Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#58
4-Methyl-2-Pentanone
Concen: 123.742 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.3	29.0	43.6
85	13.7	13.4	20.2

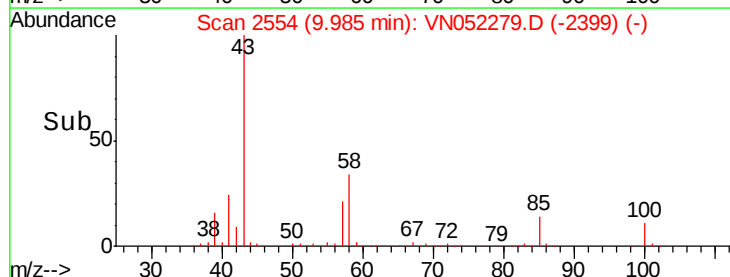
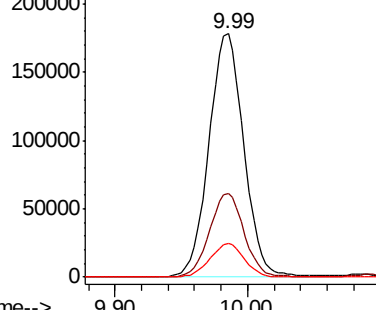


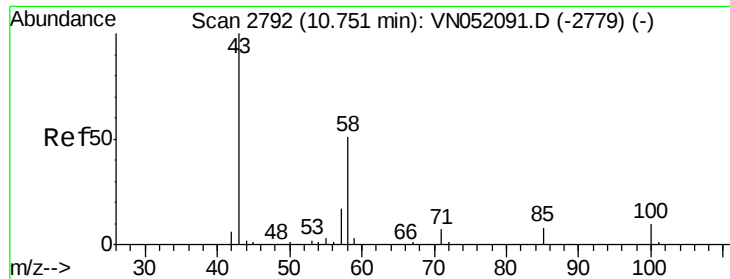
Abundance

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

Ion 85.00 (84.70 to 85.70): V





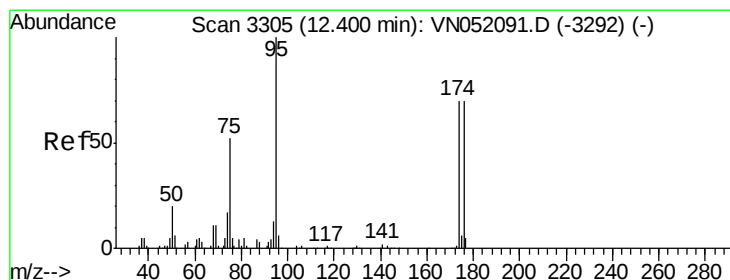
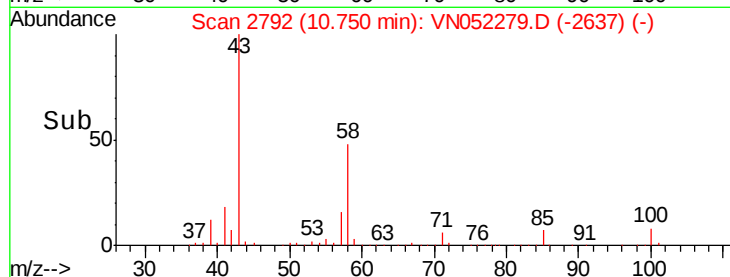
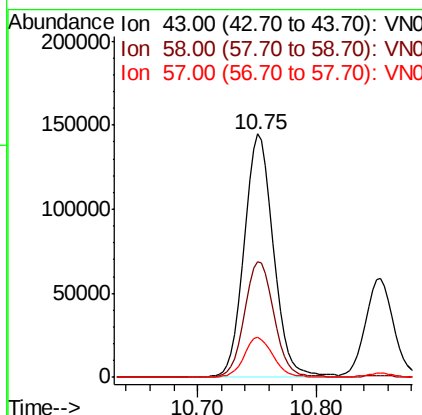
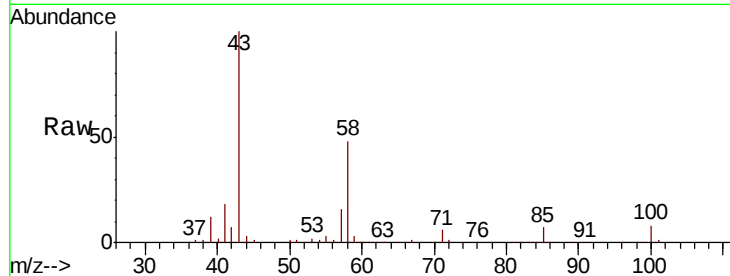
#59
2-Hexanone
Concen: 137.050 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.1	40.8	61.2
57	16.3	13.8	20.8

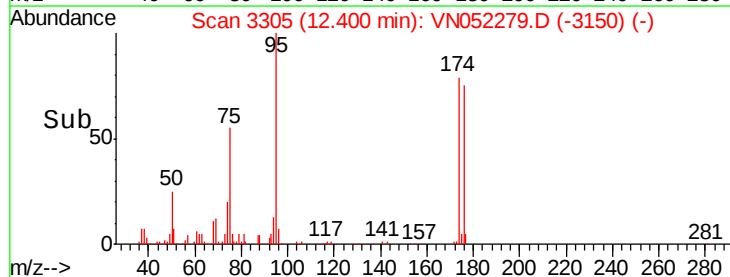
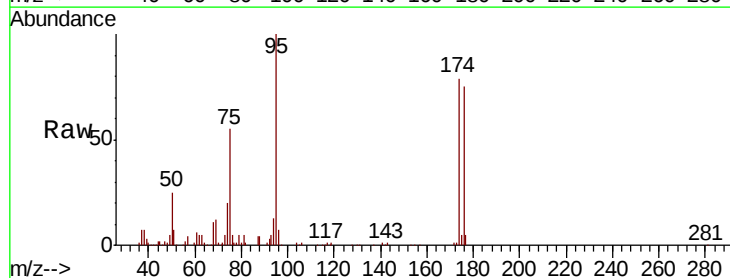
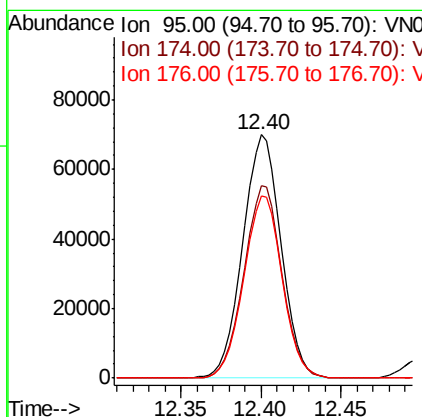
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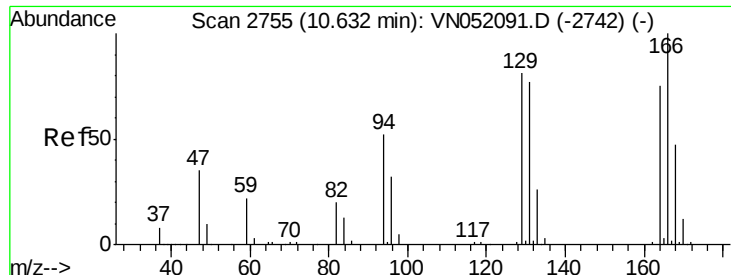
MMDadoda
11/14/2018 11:10:08 AM



#60
4-Bromofluorobenzene
Concen: 137.050 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.2	55.0	82.6
176	74.9	54.2	81.4





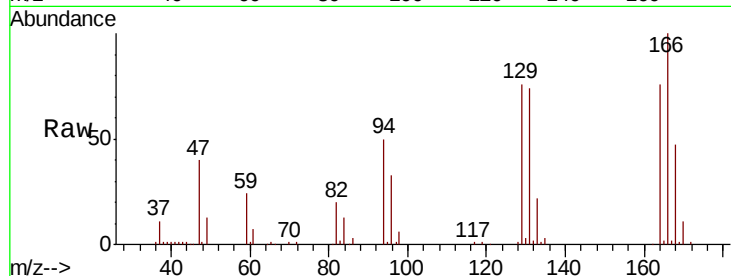
#61
Tetrachloroethene
Concen: 21.660 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	131.3	106.4	159.6
129	99.4	87.0	130.4
131	96.9	81.4	122.2

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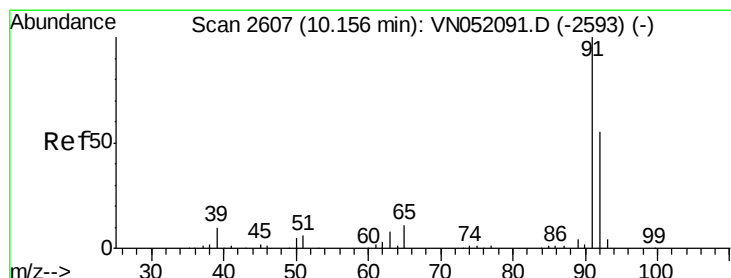
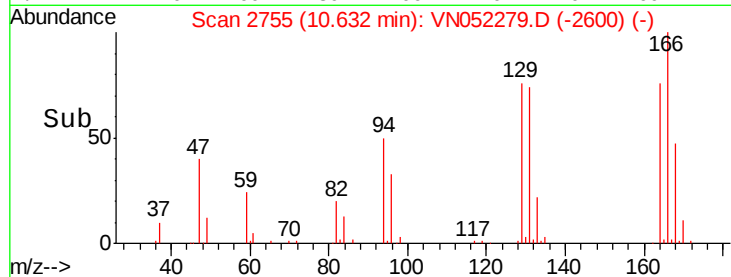
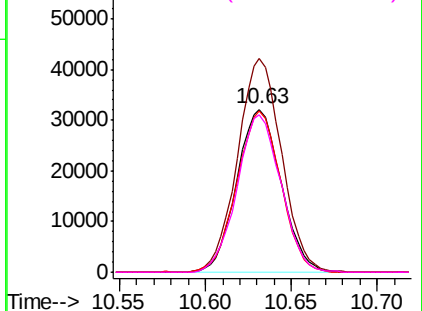
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

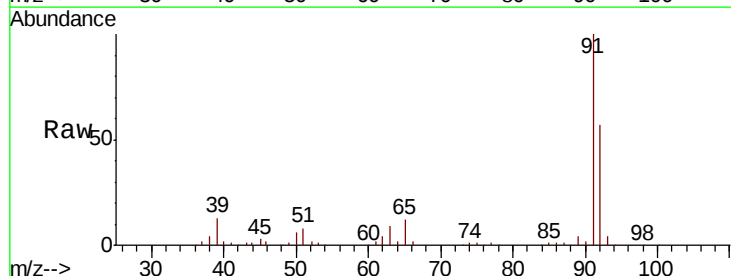
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 20.591 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

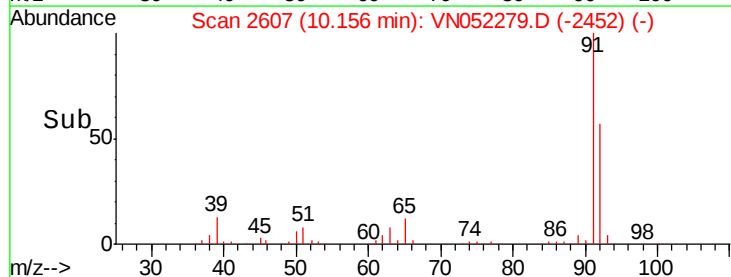
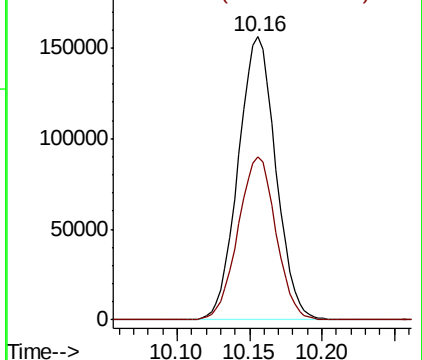
Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.0	44.6	67.0

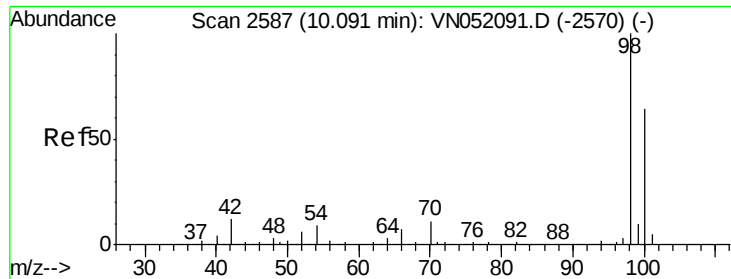


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 20.591 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 350539

Ion Ratio Lower Upper

98 100

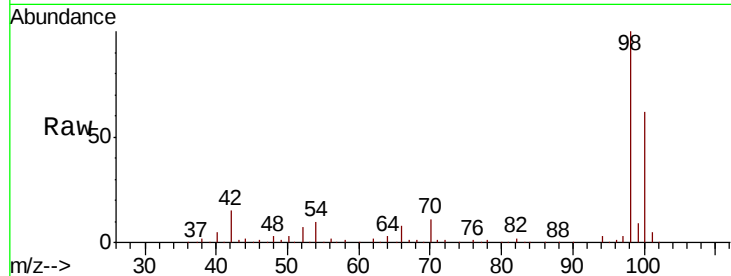
100 62.3 50.7 76.1

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Abundance Ion 98.00 (97.70 to 98.70): VN052091.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052091.D (-2570) (-)

10.09

200000

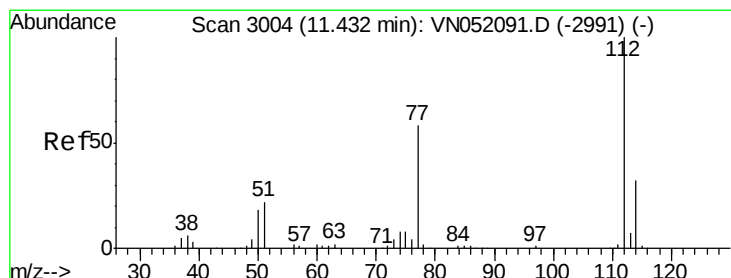
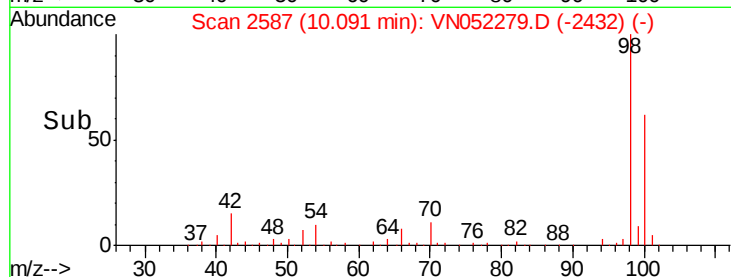
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 19.665 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052279.D

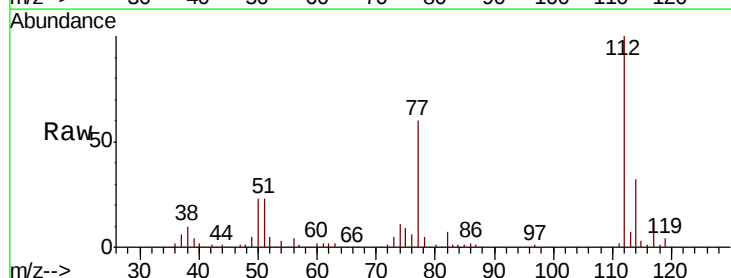
Acq: 13 Nov 2018 11:41

Tgt Ion: 112 Resp: 170680

Ion Ratio Lower Upper

112 100

114 31.7 25.5 38.3



Abundance Ion 112.00 (111.70 to 112.70): VN052091.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN052091.D (-2991) (-)

11.43

120000

100000

80000

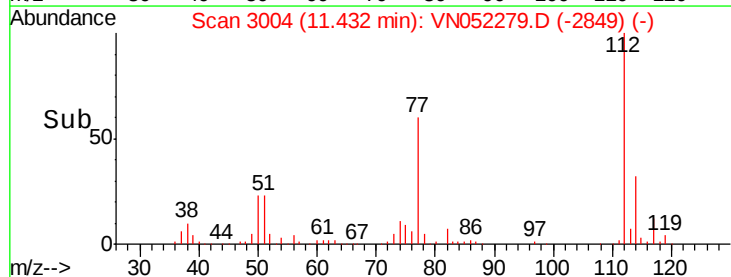
60000

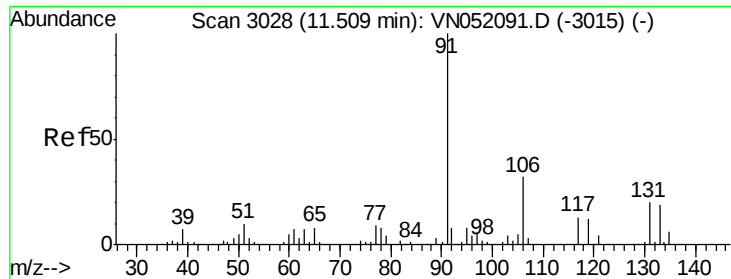
40000

20000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.606 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

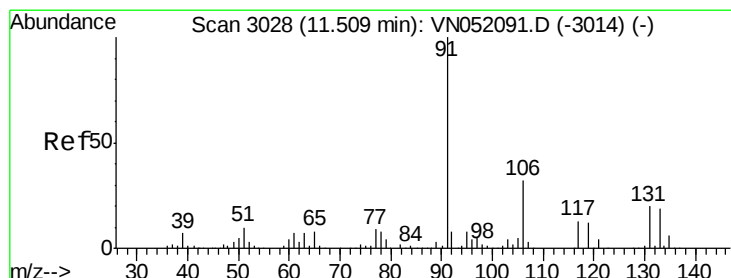
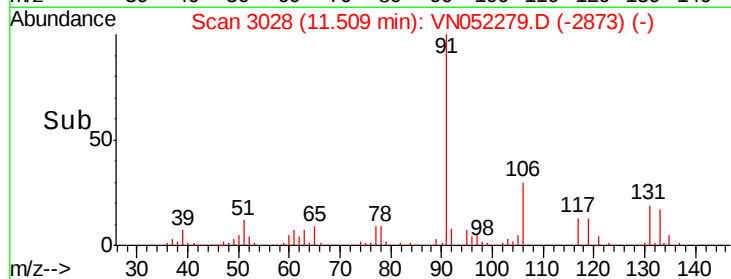
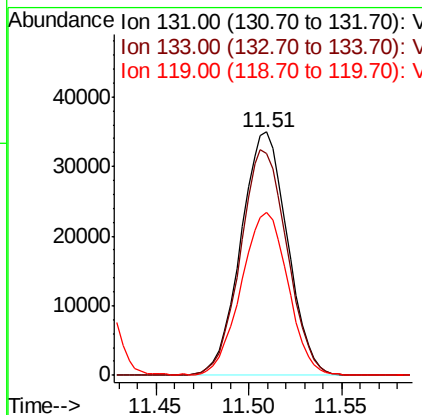
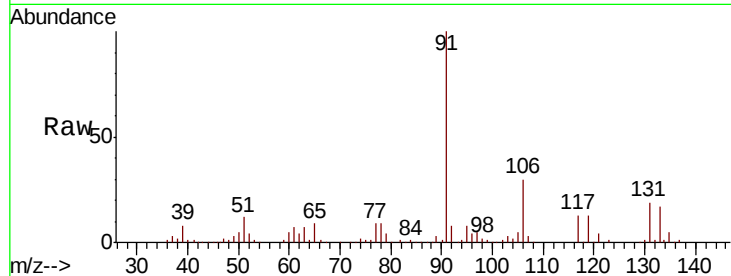
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Lower	Upper
131	100		
133	92.8	0.0	188.8
119	67.3	0.0	131.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.761 ug/l

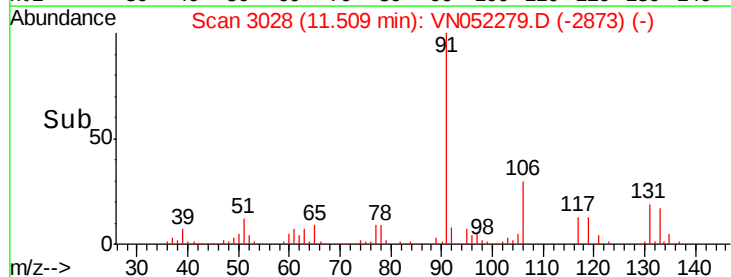
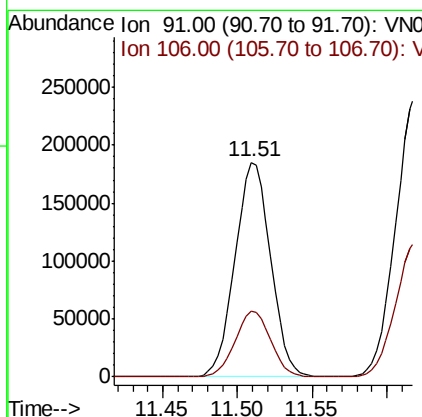
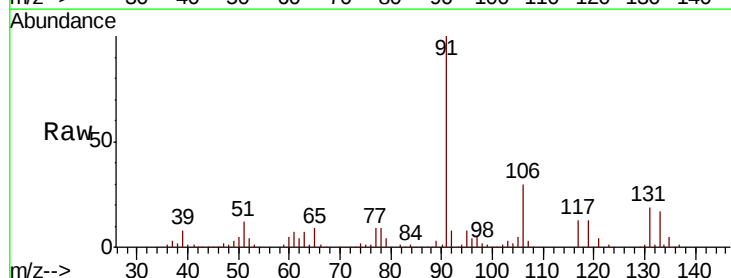
RT: 11.51 min Scan# 3028

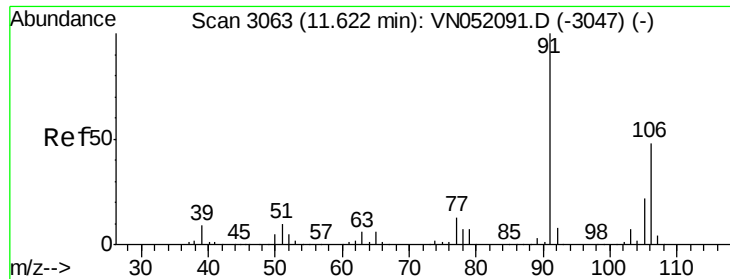
Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.7	38.5





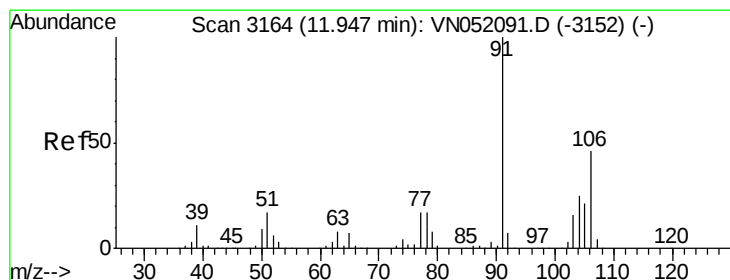
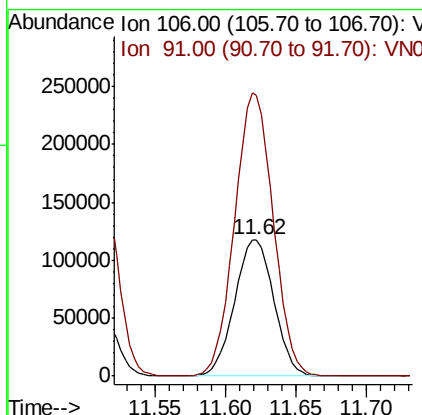
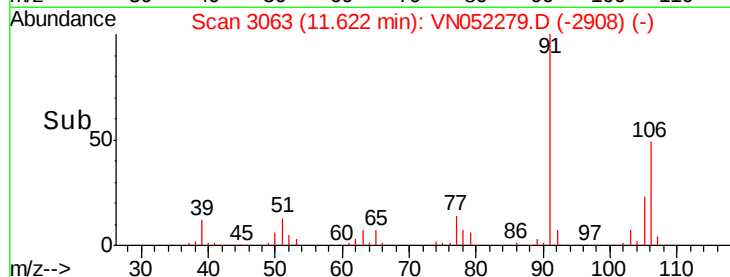
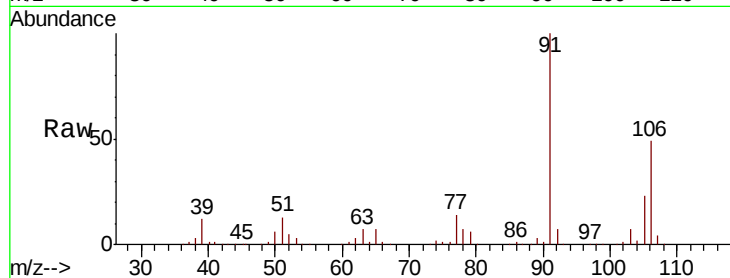
#67
m/p-Xvlenes
Concen: 40.312 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:106 Resp: 229583
Ion Ratio Lower Upper
106 100
91 204.1 163.6 245.4

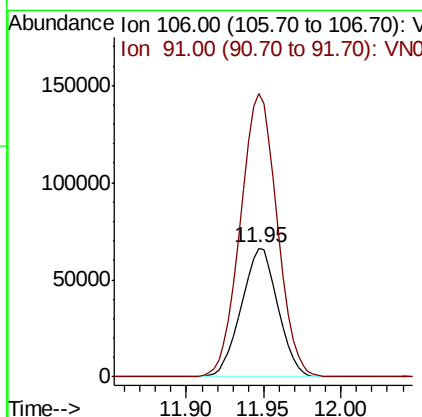
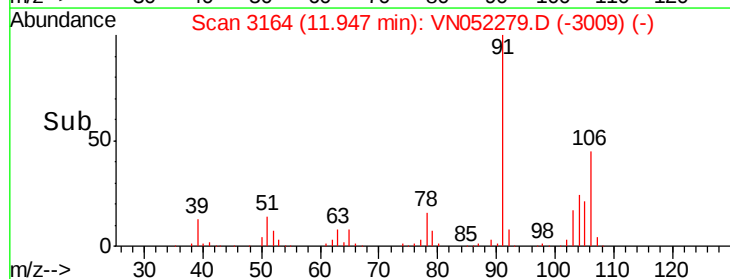
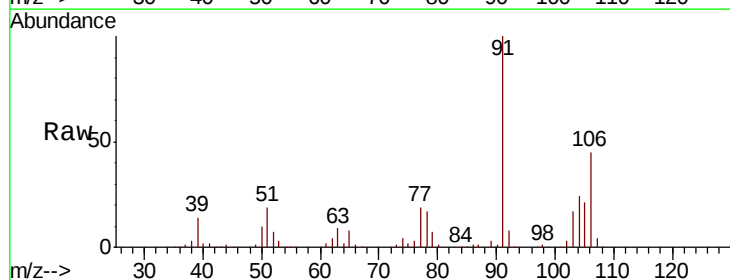
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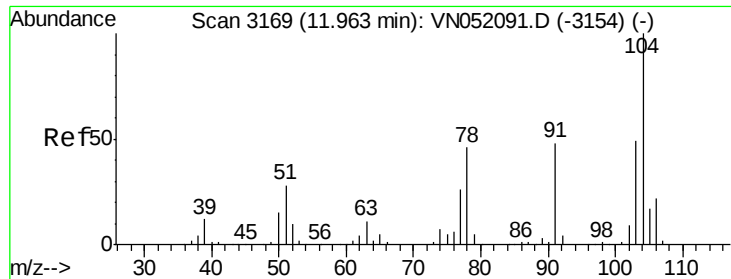
MMDadoda
11/14/2018 11:10:08 AM



#68
o-Xylene
Concen: 20.121 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion:106 Resp: 109255
Ion Ratio Lower Upper
106 100
91 221.3 110.0 330.0





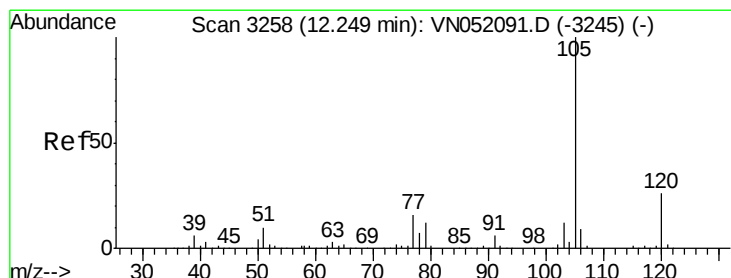
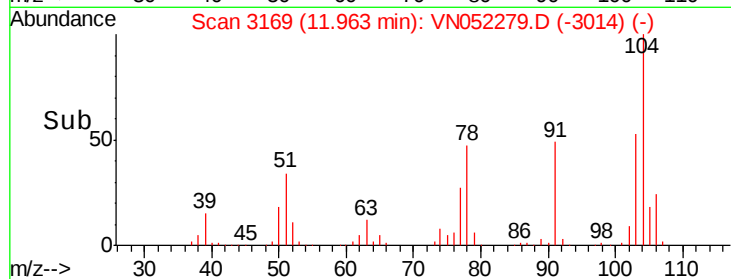
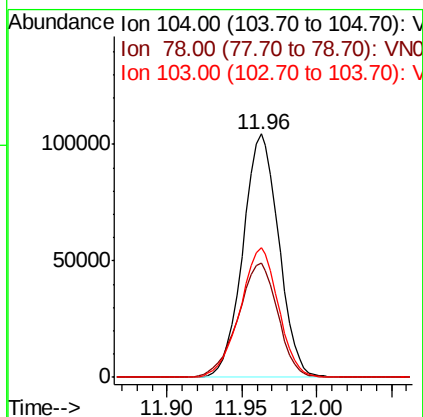
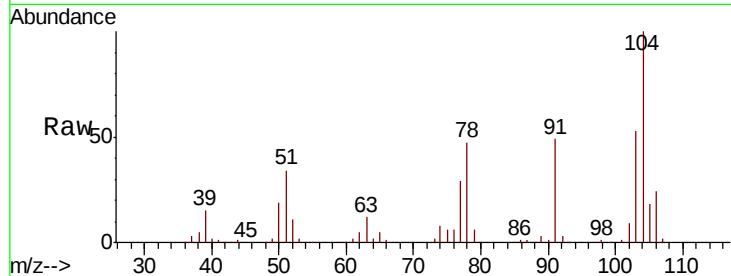
#69
Stvrene
Concen: 19.935 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.1	41.3	61.9
103	56.8	43.3	64.9

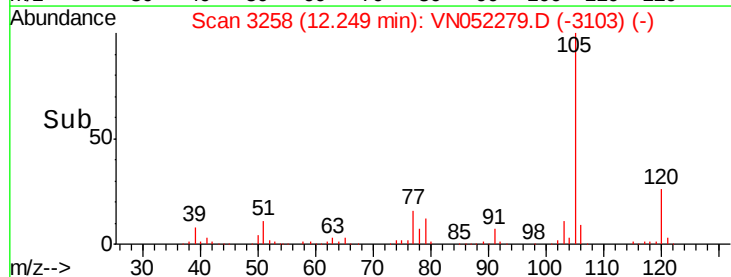
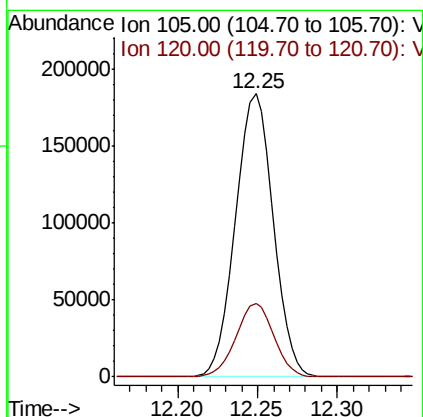
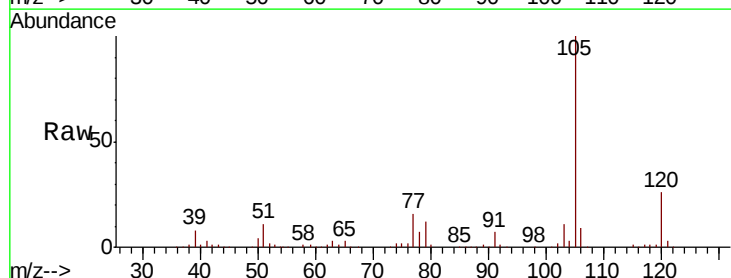
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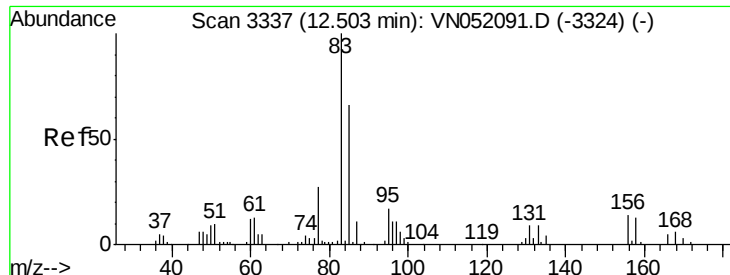
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#70
Isopropylbenzene
Concen: 20.239 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	18.4	34.2





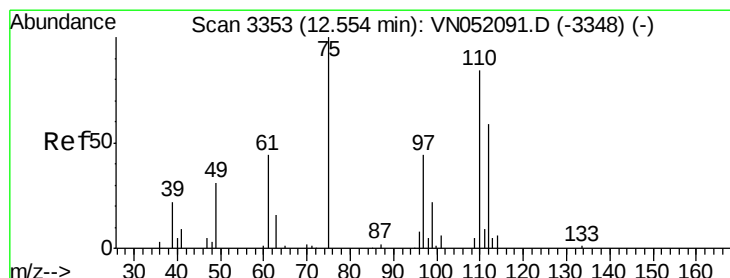
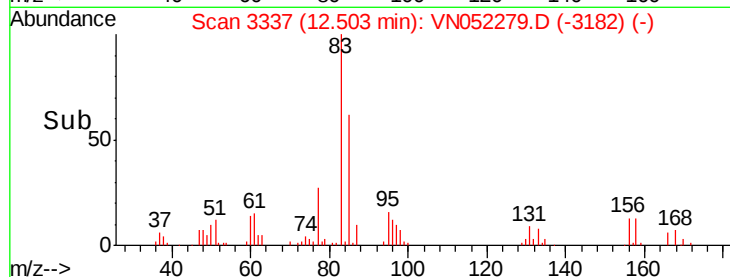
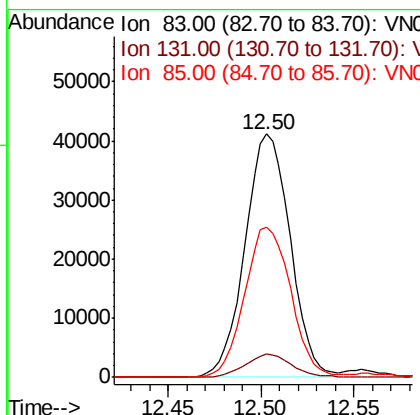
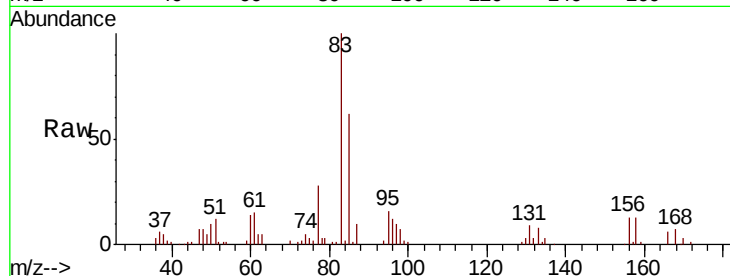
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.758 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	83	Resp	69759
Ion Ratio	100	Lower	Upper
83	100		
131	10.0	4.8	14.3
85	63.1	32.7	98.1

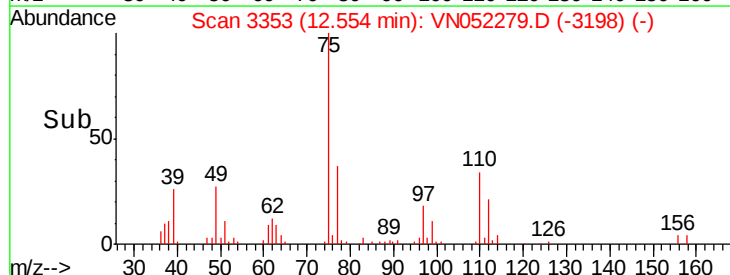
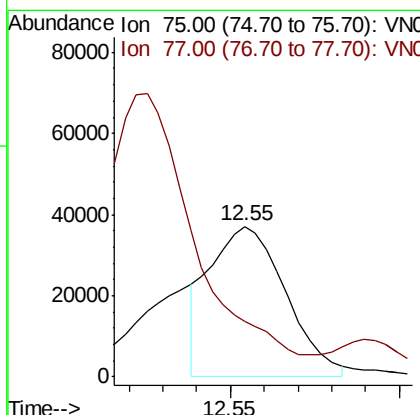
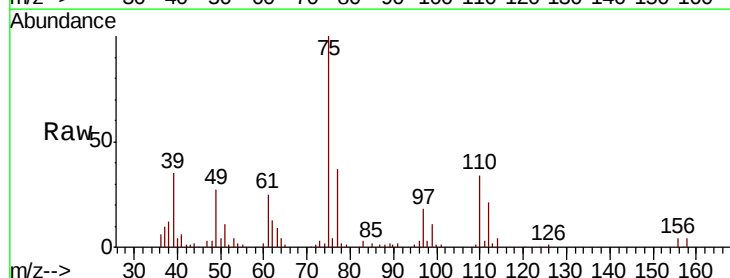
Manual Integrations
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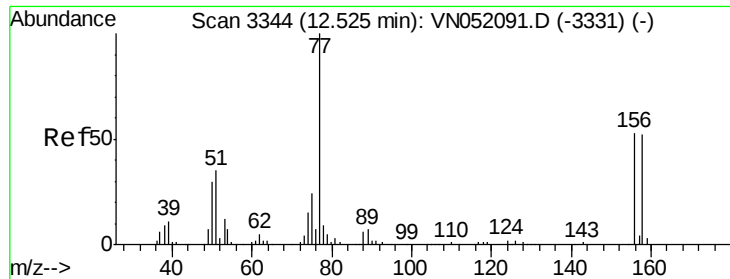
MMDadoda
 11/14/2018 11:10:08 AM



#72
 1,2,3-Trichloropropane
 Concen: 20.737 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Tgt Ion	75	Resp	58458
Ion Ratio	100	Lower	Upper
75	100		
77	235.9	0.0	481.8





#73

Bromobenzene

Concen: 21.083 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

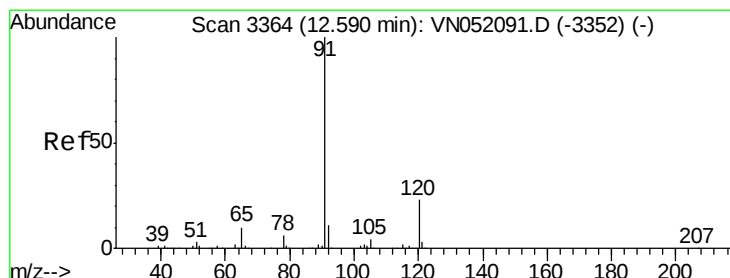
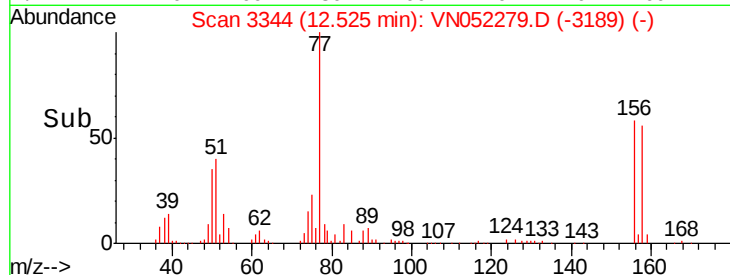
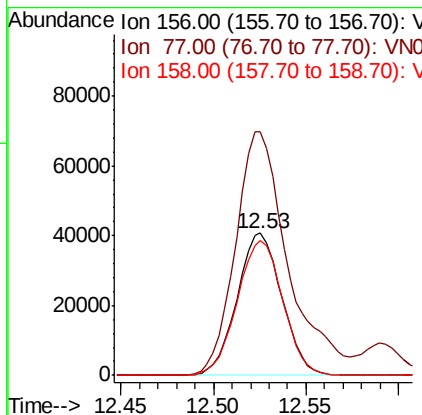
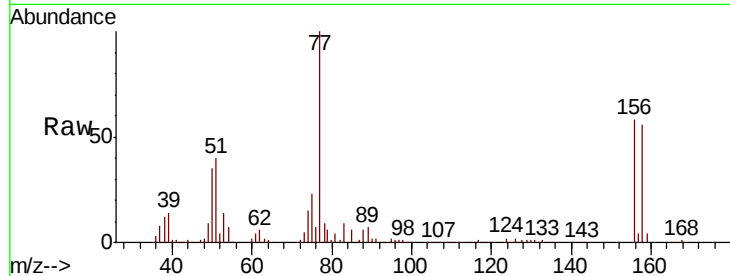
ClientSampleId :

VSTDCCC020

Tot Ion:	156	Resp:	68094
Ion	Ratio	Lower	Upper
156	100		
77	202.5	0.0	428.0
158	96.5	0.0	196.8

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#74

n-propylbenzene

Concen: 20.680 ug/l

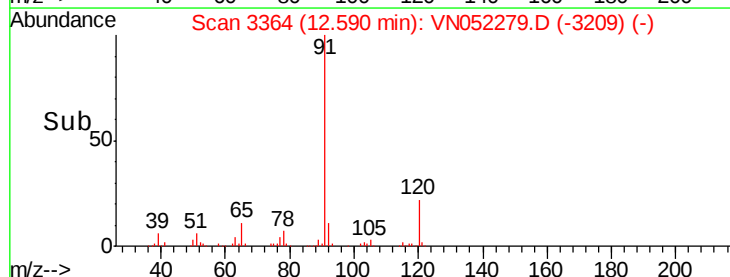
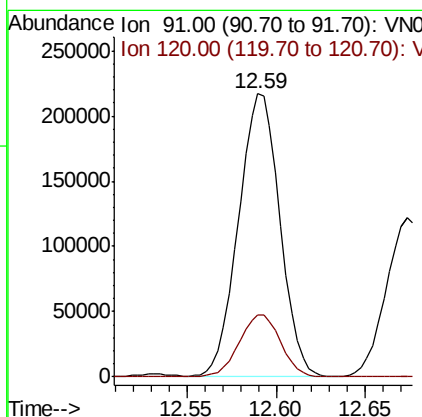
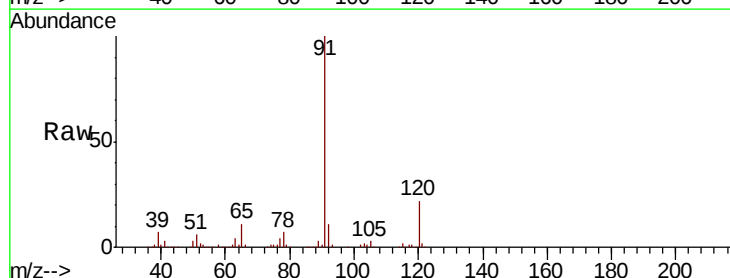
RT: 12.59 min Scan# 3364

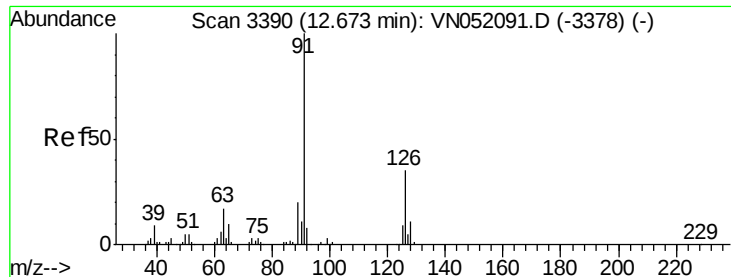
Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Tgt Ion:	91	Resp:	351026
Ion	Ratio	Lower	Upper
91	100		
120	21.9	0.0	44.8





#75

2-Chlorotoluene

Concen: 20.812 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 203663

Ion Ratio Lower Upper

91 100

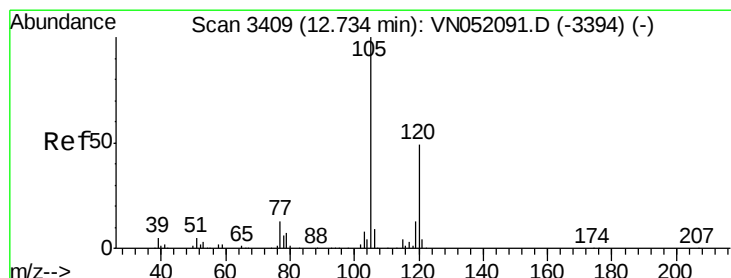
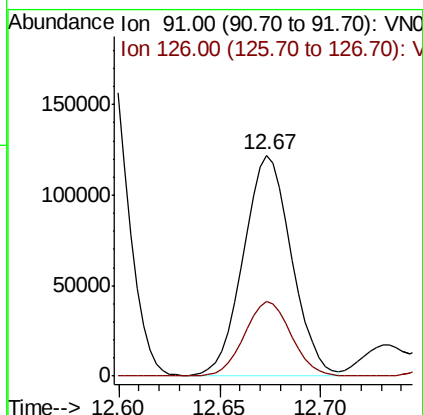
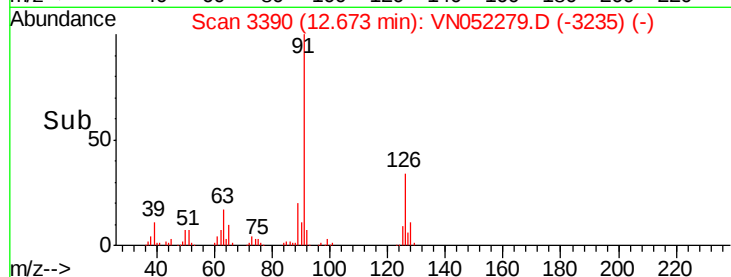
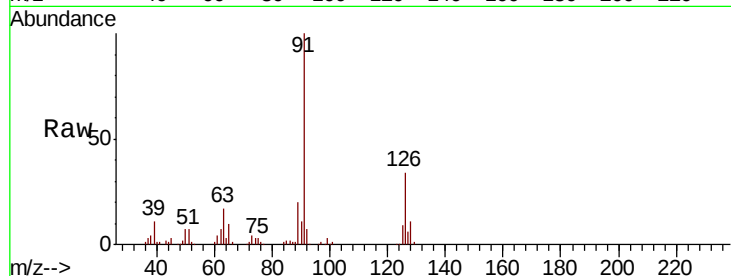
126 33.0 0.0 68.0

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 20.736 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052279.D

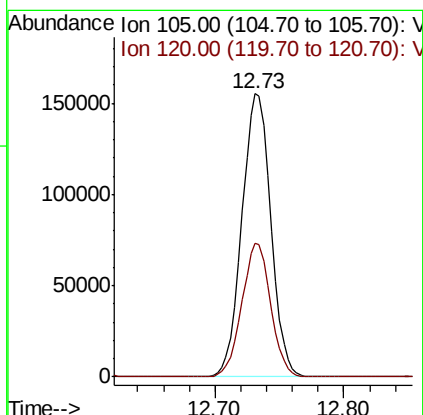
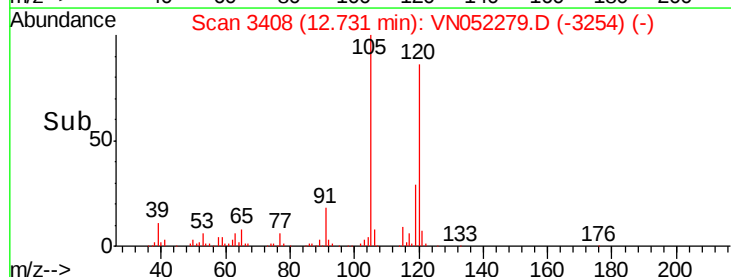
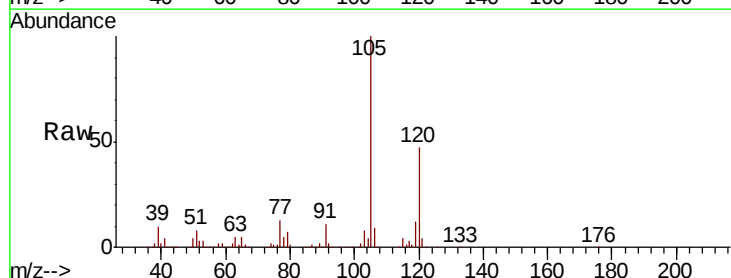
Acq: 13 Nov 2018 11:41

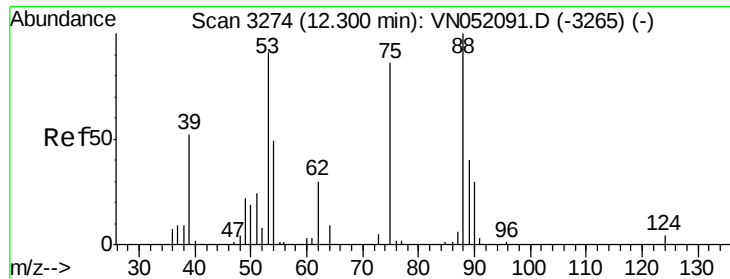
Tgt Ion: 105 Resp: 242368

Ion Ratio Lower Upper

105 100

120 47.0 0.0 95.8





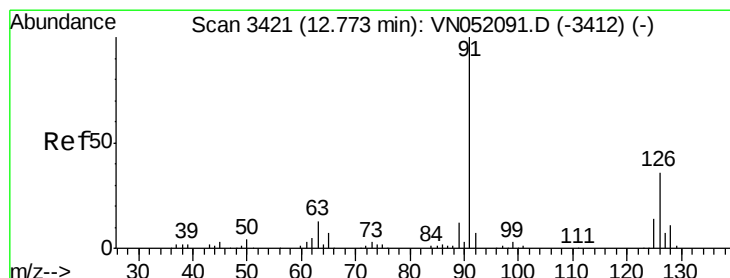
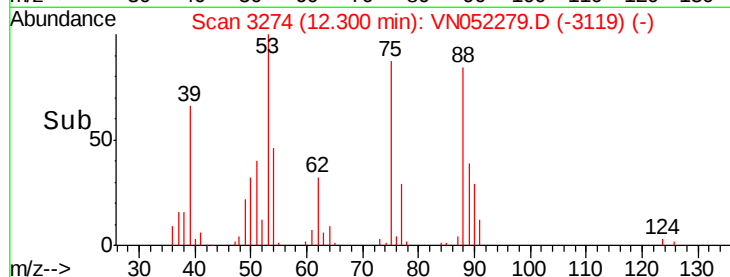
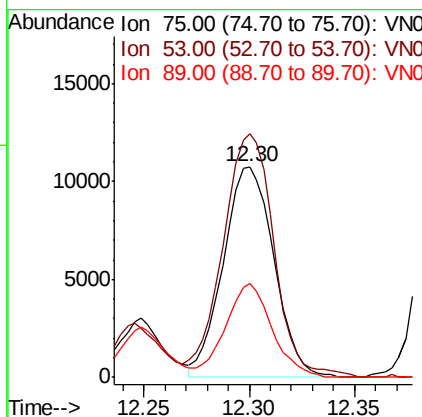
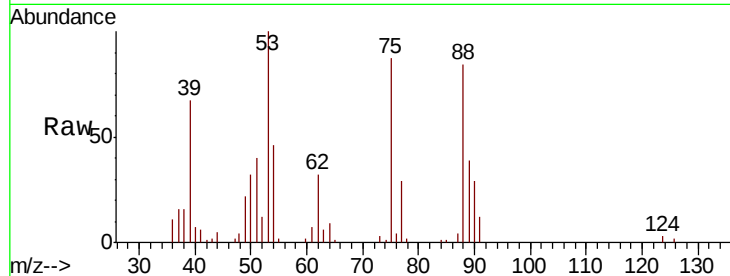
#77
t-1,4-Dichloro-2-butene
Concen: 20.345 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.0	50.7	152.1
89	44.6	23.8	71.5

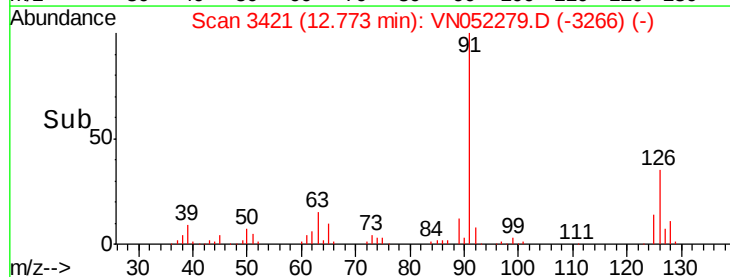
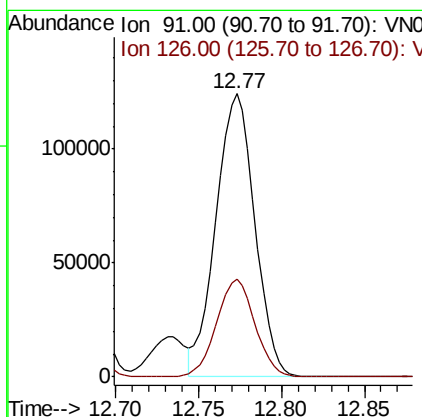
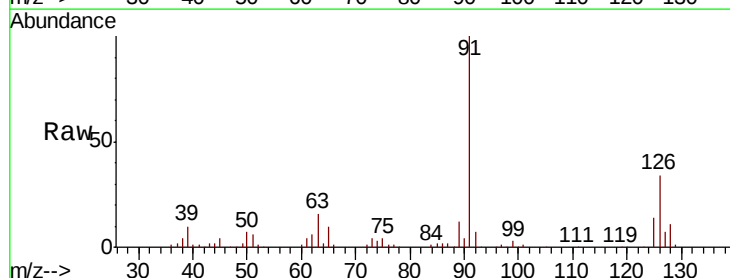
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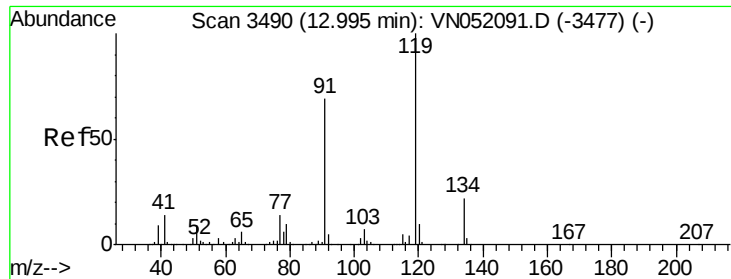
MMDadoda
11/14/2018 11:10:08 AM



#78
4-Chlorotoluene
Concen: 20.586 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	0.0	68.0





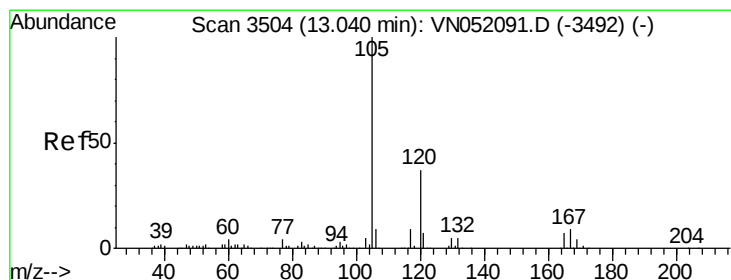
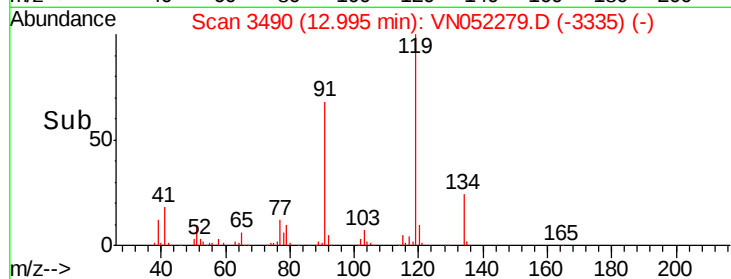
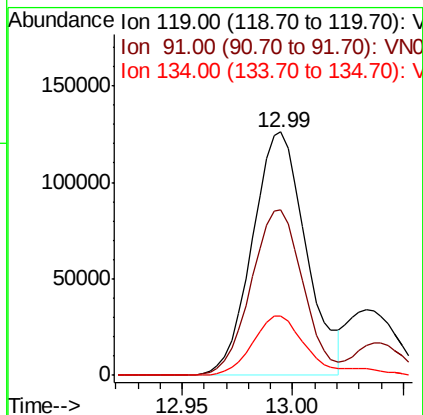
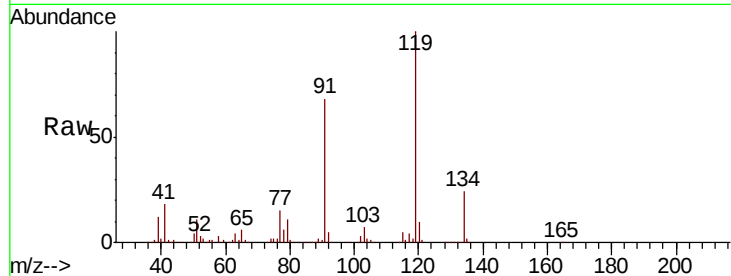
#79
tert-butylbenzene
Concen: 20.953 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	213329		
91	65.9		0.0	131.2
134	23.6		0.0	45.8

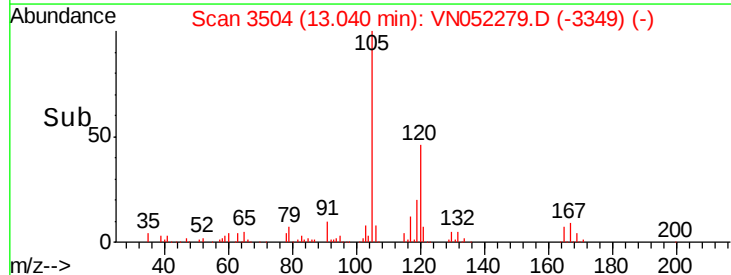
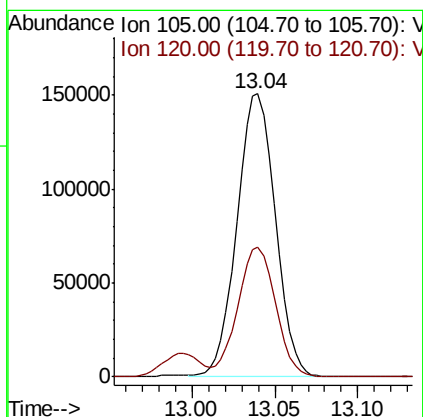
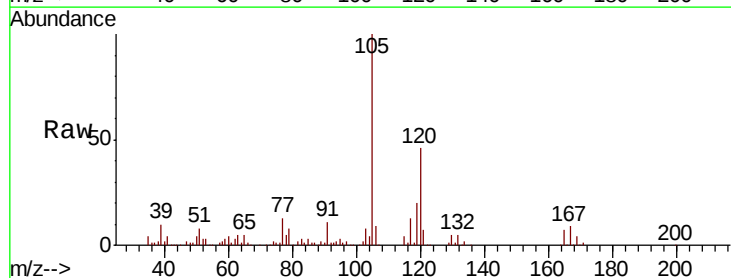
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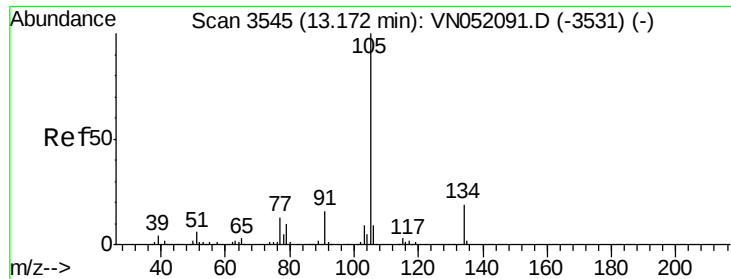
MMDadoda
11/14/2018 11:10:08 AM



#80
1,2,4-Trimethylbenzene
Concen: 20.927 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	243672		
120	45.0		0.0	89.4





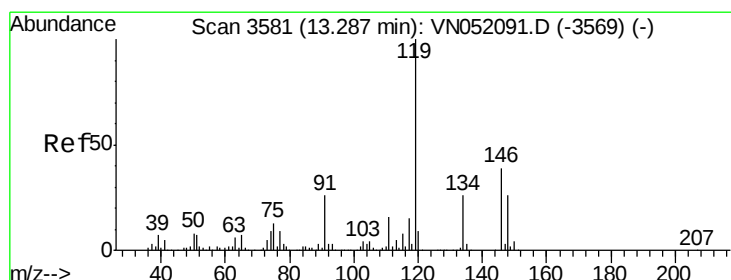
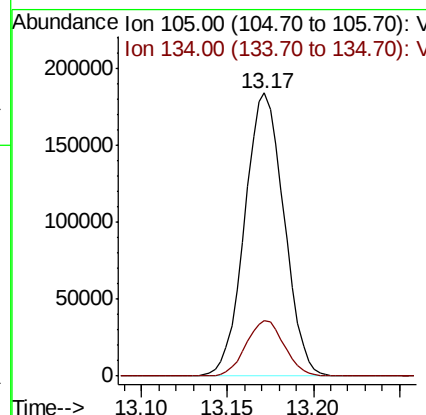
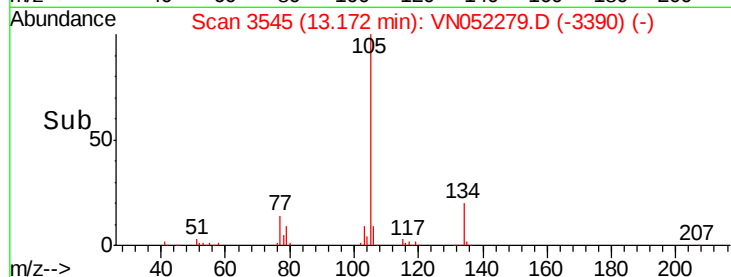
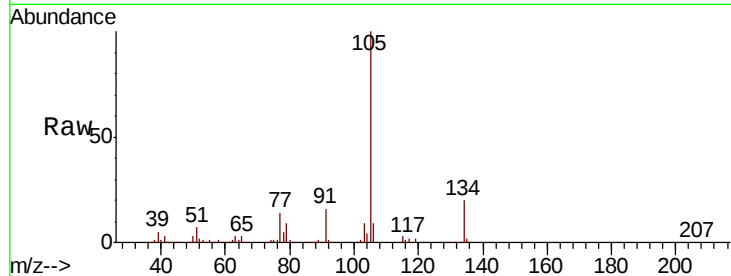
#81
 sec-Butylbenzene
 Concen: 20.917 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	0.0	38.6

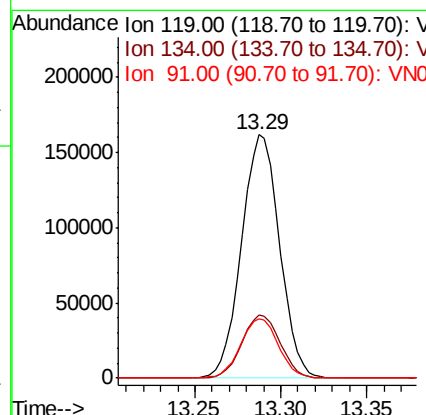
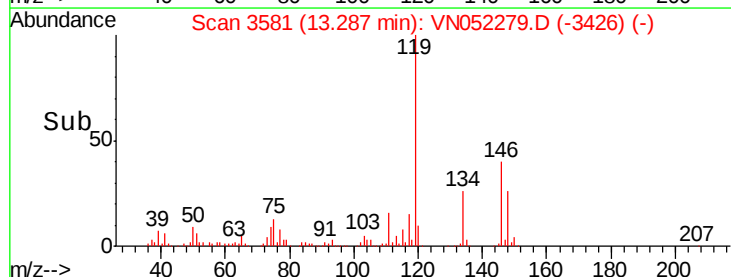
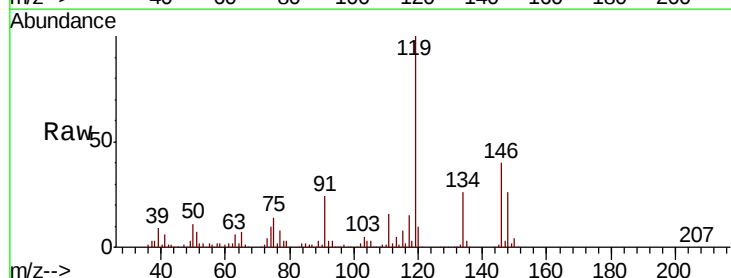
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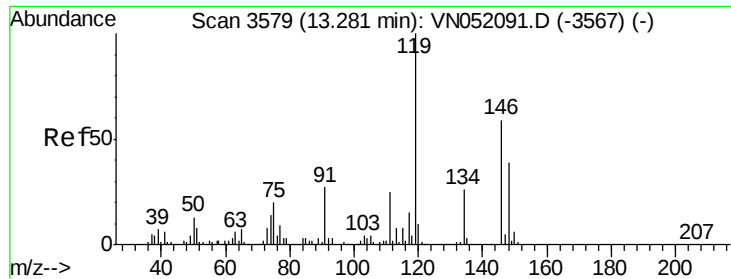
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 11/14/2018 11:10:08 AM



#82
 p-Isopropyltoluene
 Concen: 21.072 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	0.0	52.0
91	24.2	0.0	50.8





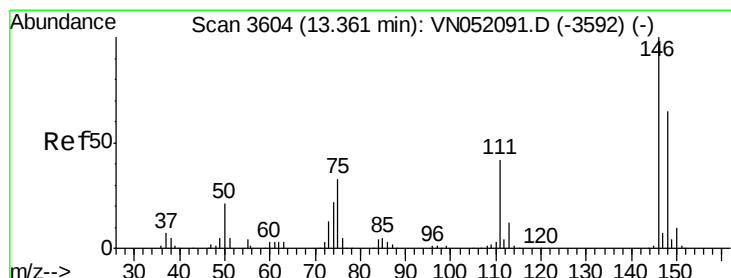
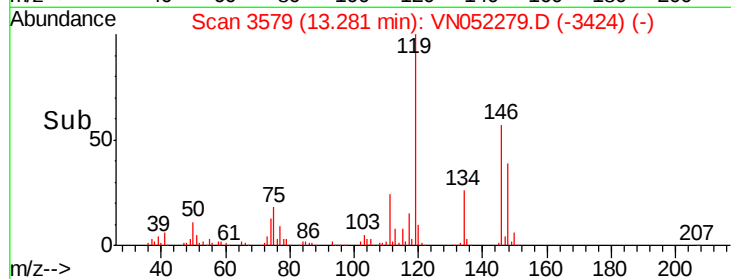
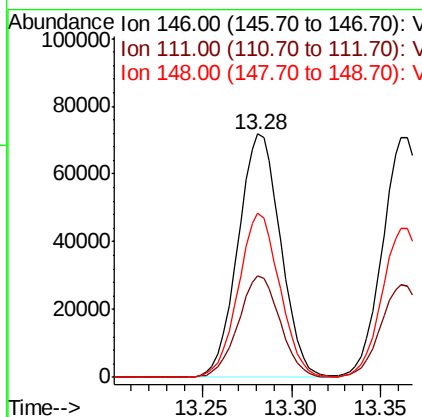
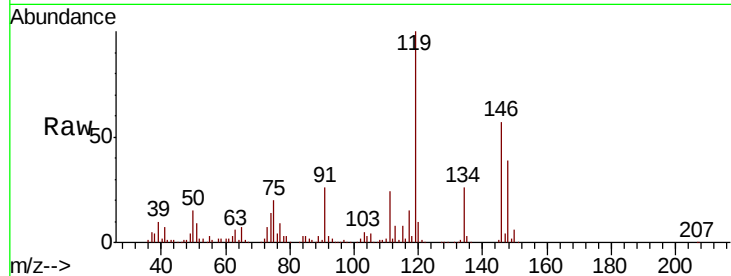
#83
 1,3-Dichlorobenzene
 Concen: 21.003 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.0	63.0
148	65.5	33.4	100.2

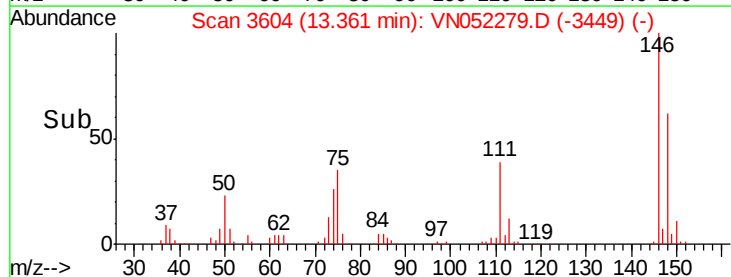
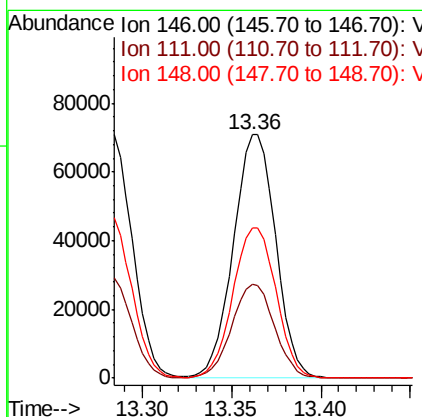
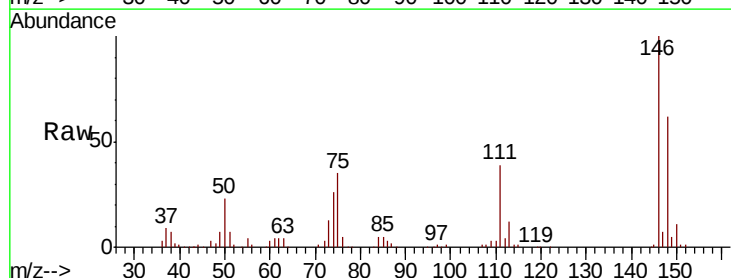
Manual Integrations
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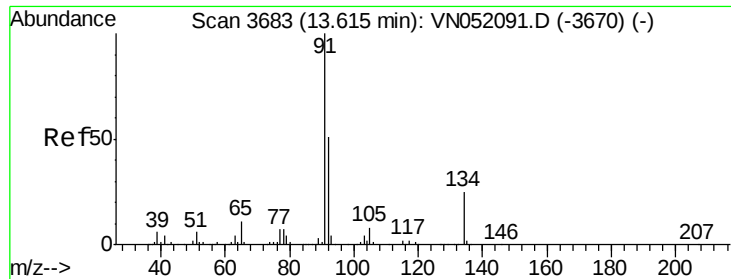
MMDadoda
 11/14/2018 11:10:08 AM



#84
 1,4-Dichlorobenzene
 Concen: 20.690 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	21.4	64.2
148	63.1	32.6	98.0





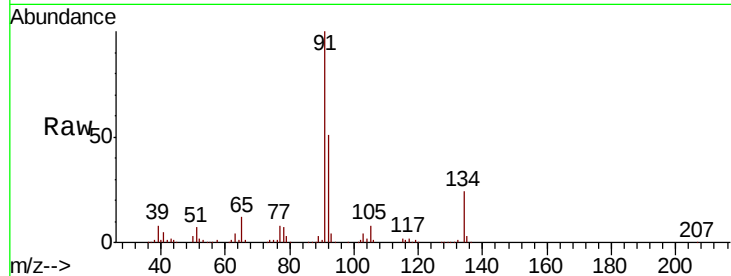
#85
n-Butylbenzene
Concen: 21.102 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	216271		
92	50.3	0.0	102.8	
134	24.3	0.0	49.2	

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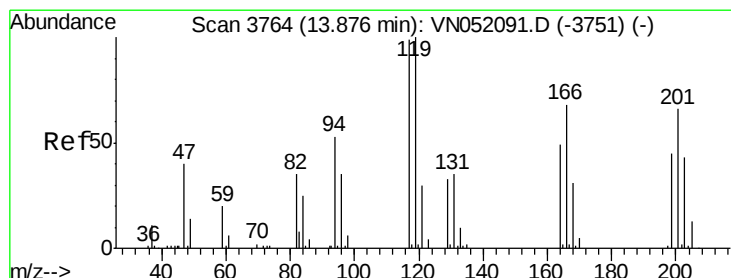
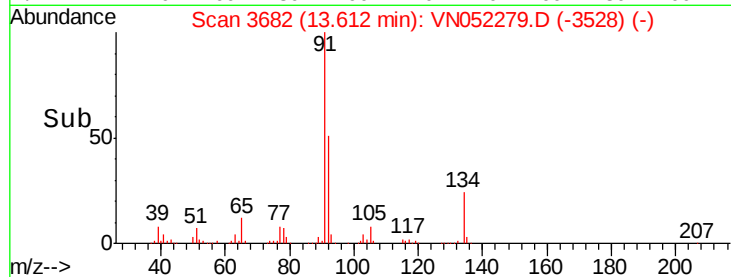
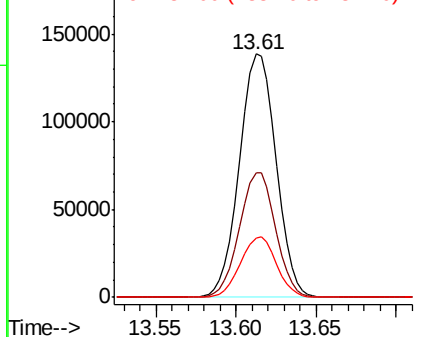


Abundance

Ion 91.00 (90.70 to 91.70): VN052091.D (-3670) (-)

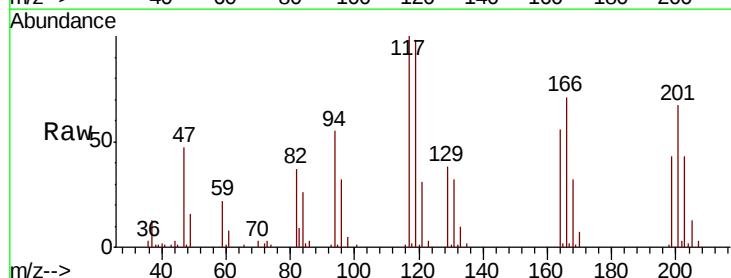
Ion 92.00 (91.70 to 92.70): VN052091.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN052091.D (-3670) (-)



#86
Hexachloroethane
Concen: 20.621 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

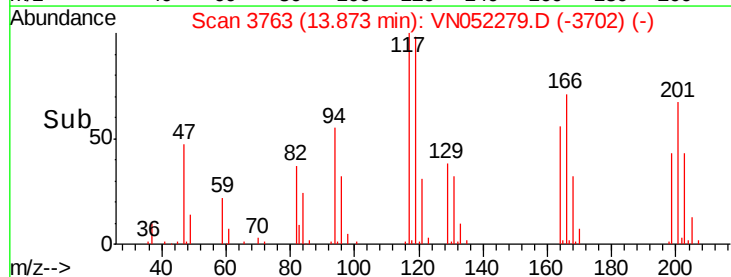
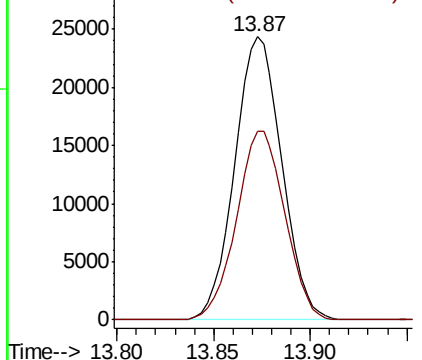
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	41205		
201	68.4	32.2	96.6	

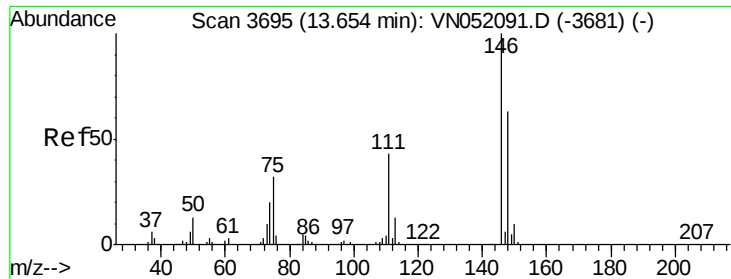


Abundance

Ion 117.00 (116.70 to 117.70): VN052091.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN052091.D (-3751) (-)





#87

1,2-Dichlorobenzene

Concen: 21.414 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

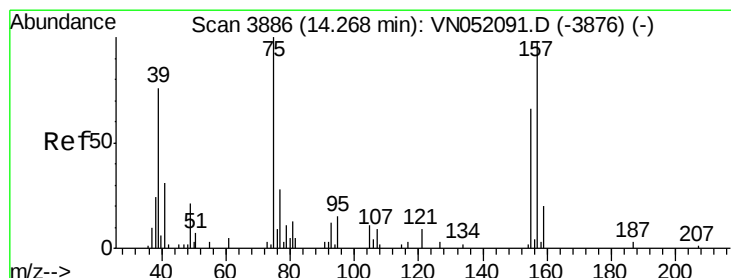
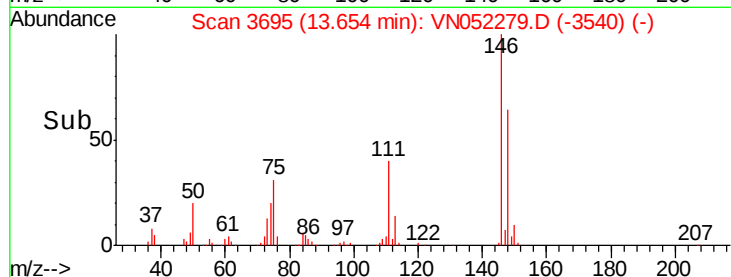
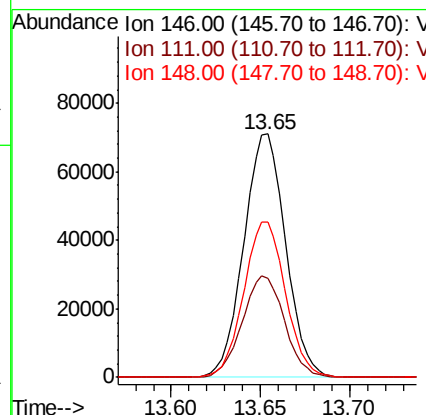
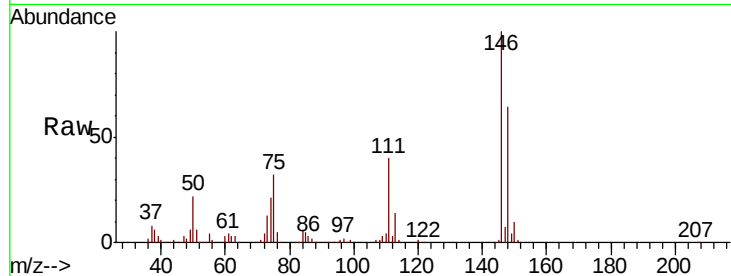
ClientSampleId :

VSTDCCC020

Tot Ion:	146	Resp:	116233
Ion Ratio	Lower	Upper	
146	100		
111	41.9	22.4	67.0
148	63.6	32.5	97.4

Manual Integrations
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11/14/2018 11:10:08 AM



#88

1,2-Dibromo-3-Chloropropane

Concen: 22.634 ug/l

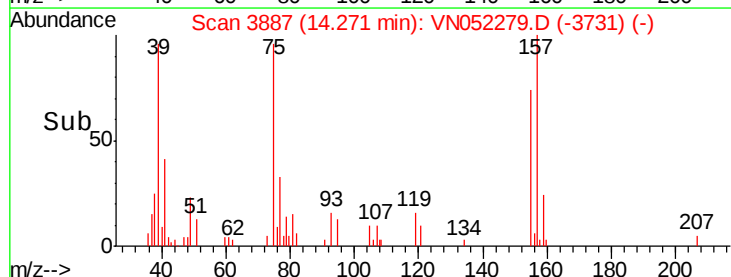
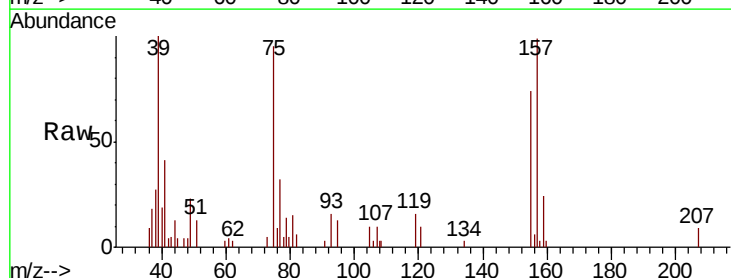
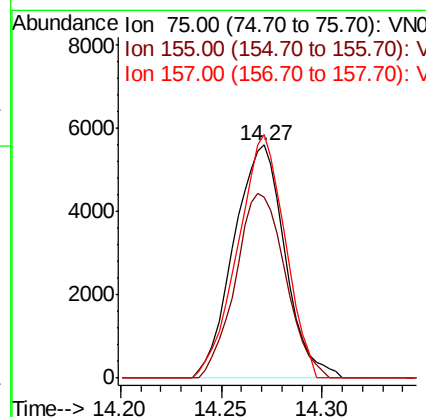
RT: 14.27 min Scan# 3887

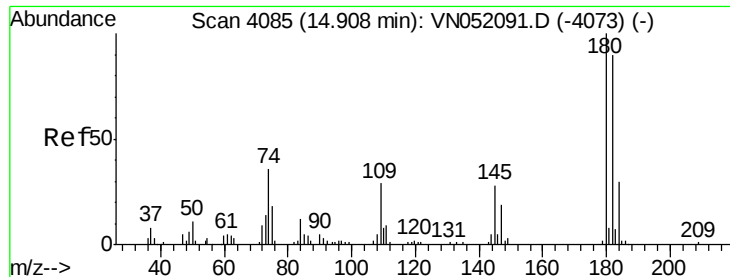
Delta R.T. 0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Tgt Ion:	75	Resp:	9923
Ion Ratio	Lower	Upper	
75	100		
155	77.5	56.7	85.1
157	96.7	80.4	120.6





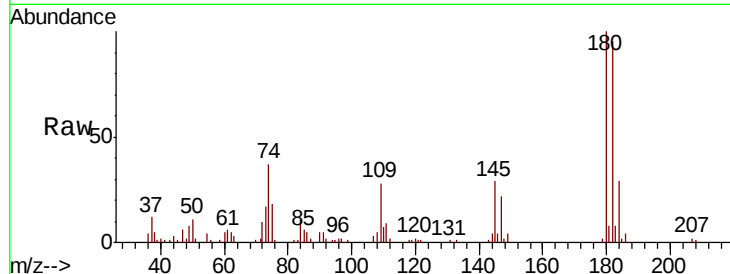
#89
 1,2,4-Trichlorobenzene
 Concen: 22.282 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	74.0	111.0
145	31.1	24.6	36.8

Manual Integrations
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MMDadoda
 11/14/2018 11:10:08 AM

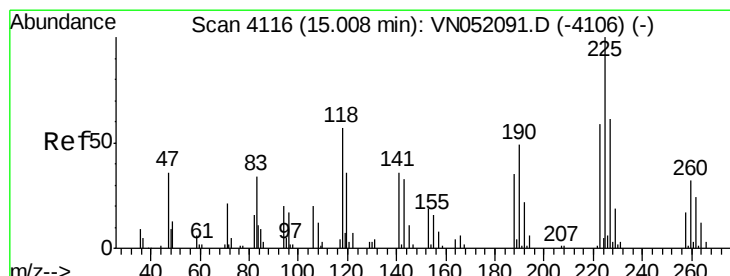
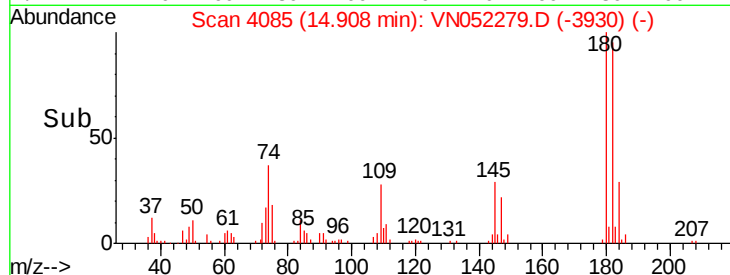
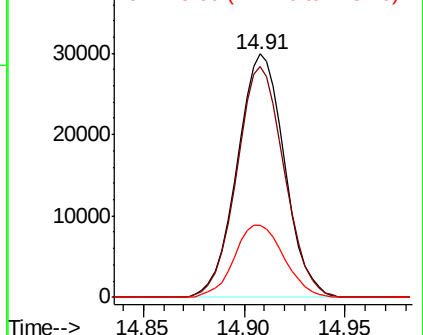


Abundance

Ion 180.00 (179.70 to 180.70): V

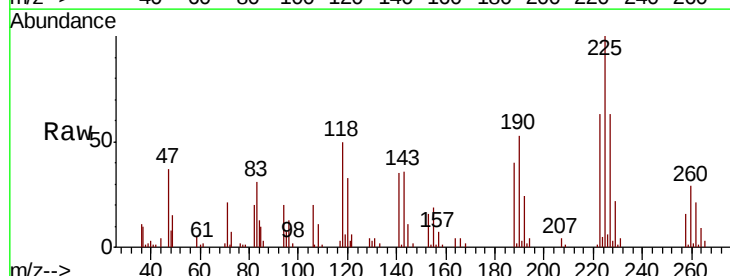
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 24.420 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	0.0	121.2
227	62.3	0.0	127.2

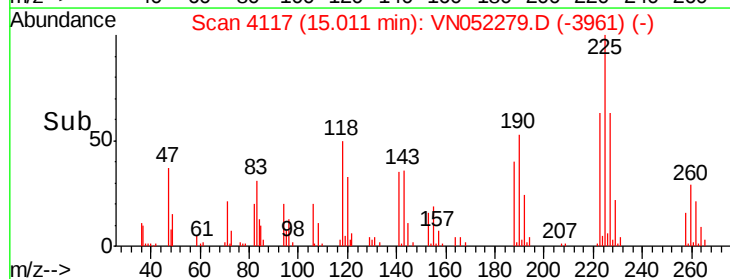
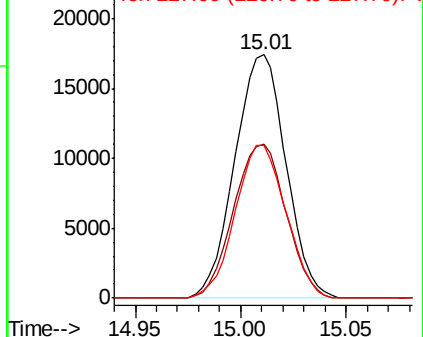


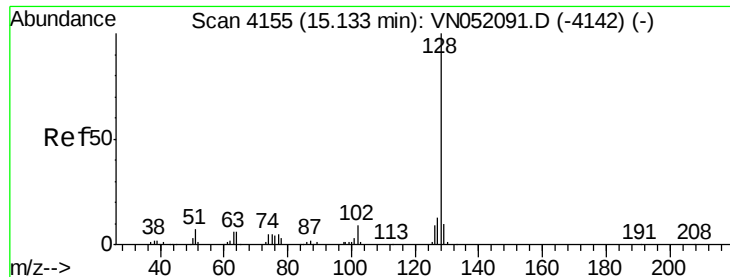
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





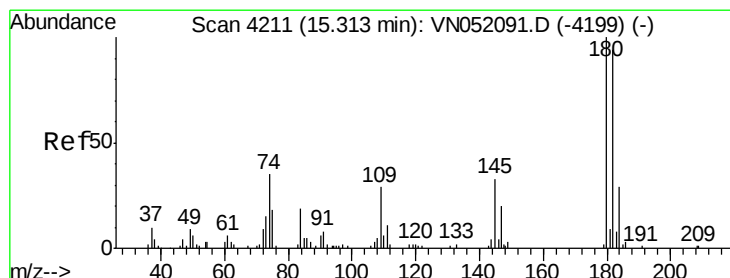
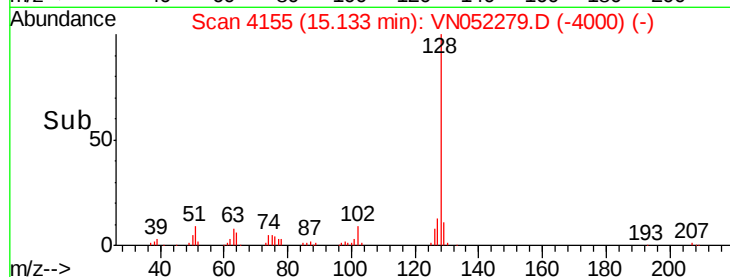
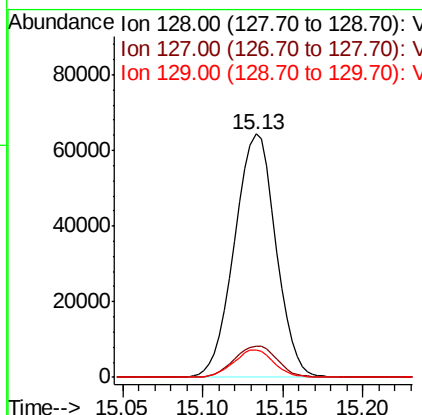
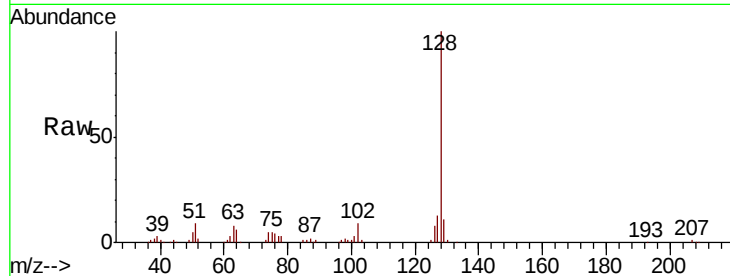
#91
Naphthalene
Concen: 22.322 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	10.8	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
11/14/2018 11:10:08 AM



#92
1,2,3-Trichlorobenzene
Concen: 23.453 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	0.0	186.6
145	32.9	0.0	66.6

