

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
 Data File : VN051486.D
 Acq On : 25 Sep 2018 15:44
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 11:21:34 AM

Quant Time: Sep 26 03:35:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 26 01:19:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	100421	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	521105	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	452974	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	211511	30.60	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.00%
60) 4-Bromofluorobenzene	12.40	95	203179	30.55	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.83%
63) Toluene-d8	10.09	98	655939	30.20	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	74245	17.263	ug/l 98
3) Chloromethane	2.06	50	145572	19.686	ug/l 96
4) Vinyl Chloride	2.18	62	150742	19.104	ug/l 99
5) Bromomethane	2.57	94	104419	20.248	ug/l 90
6) Chloroethane	2.70	64	100897	20.745	ug/l 97
7) Trichlorofluoromethane	3.02	101	192751	18.820	ug/l 92
8) Diethyl Ether	3.41	74	69586	22.598	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	106551	20.487	ug/l # 41
10) 1,1-Dichloroethene	3.74	96	99689	21.043	ug/l 99
11) Methyl Iodide	3.95	142	142406	20.385	ug/l 98
12) Methyl Acetate	4.33	43	99273	23.841	ug/l # 89
13) Acrolein	3.61	56	66208	119.245	ug/l 88
14) Acrylonitrile	4.99	53	194481	114.981	ug/l # 60
15) Acetone	3.82	58	46782	112.300	ug/l 86
16) Carbon Disulfide	4.05	76	294561	19.603	ug/l 97
17) Allyl chloride	4.33	41	178543	21.349	ug/l 97
18) Methylene Chloride	4.55	84	127323	22.504	ug/l 92
19) trans-1,2-Dichloroethene	5.05	96	109023	21.259	ug/l 97
20) Diisopropyl ether	5.96	45	396068	23.852	ug/l # 85
21) 1,1-Dichloroethane	5.85	63	223371	22.332	ug/l 97
22) cis-1,2-Dichloroethene	6.83	96	128137	22.329	ug/l 95
23) tert-Butyl Alcohol	4.79	59	38785	121.767	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	296917	23.012	ug/l # 61
25) Chloroform	7.37	83	224599	22.513	ug/l 95
26) Cyclohexane	7.65	56	175327	20.589	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	156340	21.308	ug/l 99
30) 2-Butanone	6.84	43	220171	116.169	ug/l # 97
31) 2,2-Dichloropropane	6.83	77	167745	21.433	ug/l # 80
32) 1,1,1-Trichloroethane	7.57	97	183860	21.950	ug/l 99
33) Carbon Tetrachloride	7.78	117	165712	21.561	ug/l 94
34) Benzene	8.04	78	493863	22.671	ug/l # 69
35) Methacrylonitrile	7.18	41	46087	16.874	ug/l 90
36) 1,2-Dichloroethane	8.13	62	164782	23.231	ug/l 97
37) Trichloroethene	8.84	130	124680	21.595	ug/l 99
38) Methylcyclohexane	9.08	83	172902	20.328	ug/l 94
39) 1,2-Dichloropropane	9.12	63	139025	23.460	ug/l 96
40) Dibromomethane	9.21	93	78865	23.382	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	169146	22.810	ug/l	96
42) Vinyl Acetate	5.90	43	1263378	119.879	ug/l	99
43) Ethyl Acetate	6.93	43	105840	26.839	ug/l #	85
44) Isopropyl Acetate	8.17	43	183889	24.246	ug/l	99
45) 1,4-Dioxane	9.20	88	22934	497.037	ug/l	90
46) Methyl methacrylate	9.20	41	89937	23.946	ug/l	94
47) n-amyl Acetate	12.07	43	130305	21.500	ug/l #	71
48) t-1,3-Dichloropropene	10.38	75	163436	22.195	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	195879	22.981	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	113893	23.617	ug/l	93
51) Ethyl methacrylate	10.43	69	129252	22.646	ug/l	97
52) 1,3-Dichloropropane	10.71	76	191576	23.547	ug/l	96
53) Dibromochloromethane	10.90	129	127649	23.012	ug/l	95
54) 1,2-Dibromoethane	11.01	107	106711	22.933	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	328847	116.683	ug/l	100
56) Bromoform	12.13	173	82858	22.156	ug/l	95
58) 4-Methyl-2-Pentanone	9.99	43	502650	126.267	ug/l	96
59) 2-Hexanone	10.75	43	306086	116.825	ug/l	97
61) Tetrachloroethene	10.63	164	118549	22.495	ug/l	96
62) Toluene	10.16	91	517374	22.311	ug/l	99
64) Chlorobenzene	11.43	112	318427	22.397	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.51	131	124847	22.713	ug/l	99
66) Ethyl Benzene	11.51	91	517820	21.645	ug/l	97
67) m/p-Xylenes	11.62	106	401504	43.596	ug/l	97
68) o-Xylene	11.95	106	195068	22.239	ug/l	95
69) Styrene	11.96	104	305176	22.025	ug/l	99
70) Isopropylbenzene	12.25	105	517372	22.039	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	133176	24.100	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	118616m	27.220	ug/l	
73) Bromobenzene	12.53	156	128663	21.747	ug/l	97
74) n-propylbenzene	12.59	91	575883	21.101	ug/l	98
75) 2-Chlorotoluene	12.67	91	357219	22.179	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	431469	22.275	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	32312	21.501	ug/l	92
78) 4-Chlorotoluene	12.77	91	347331	21.743	ug/l	98
79) tert-butylbenzene	12.99	119	366245	21.716	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	435532	22.366	ug/l	99
81) sec-Butylbenzene	13.17	105	500488	21.573	ug/l	99
82) p-Isopropyltoluene	13.29	119	430080	21.475	ug/l	96
83) 1,3-Dichlorobenzene	13.28	146	222163	21.409	ug/l	96
84) 1,4-Dichlorobenzene	13.36	146	206548	21.193	ug/l	97
85) n-Butylbenzene	13.62	91	323811	19.693	ug/l	98
86) Hexachloroethane	13.87	117	84785	21.127	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	220321	22.396	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	18853	23.116	ug/l #	93
89) 1,2,4-Trichlorobenzene	14.91	180	94450	19.275	ug/l	97
90) Hexachlorobutadiene	15.01	225	81977	21.586	ug/l	96
91) Naphthalene	15.13	128	163423	17.675	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	96868	19.583	ug/l	95

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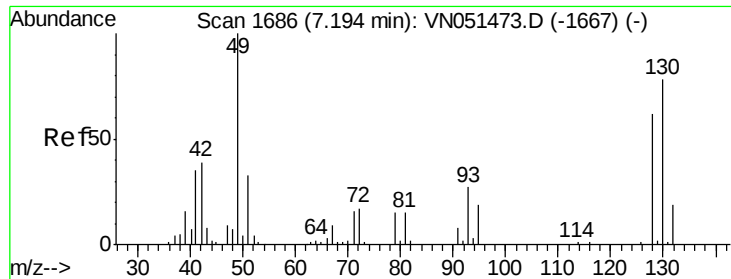
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051486.D

Acq: 25 Sep 2018 15:44

Instrument :

MSVOA_N

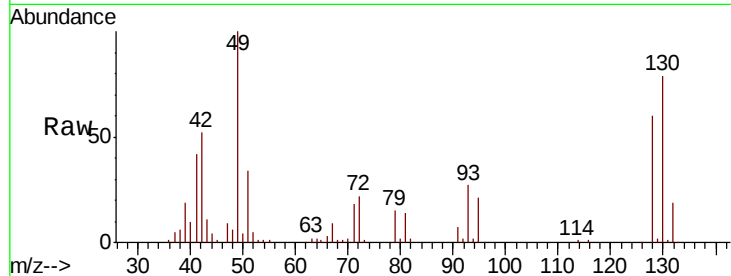
ClientSampleId :

VSTDCCC020EC

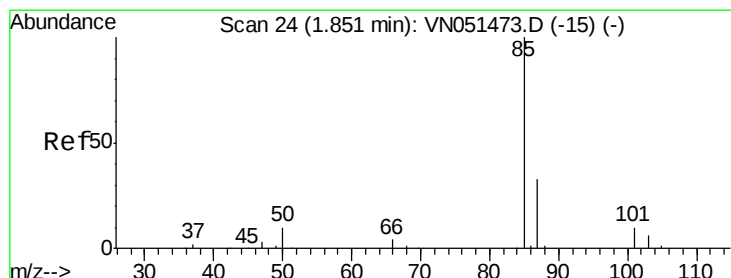
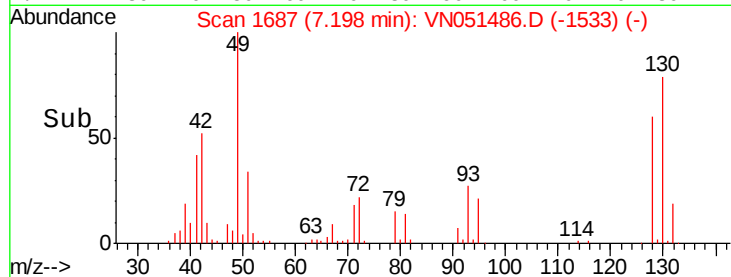
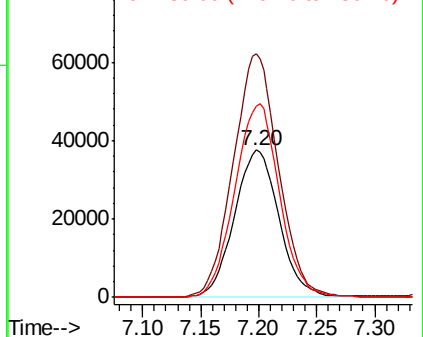
Tot Ion:	128	Resp:	100421
Ion	Ratio	Lower	Upper
128	100		
49	167.7	0.0	403.3
130	131.9	0.0	326.0

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 17.263 ug/l

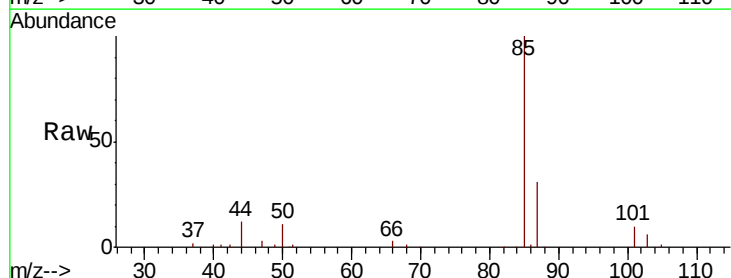
RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

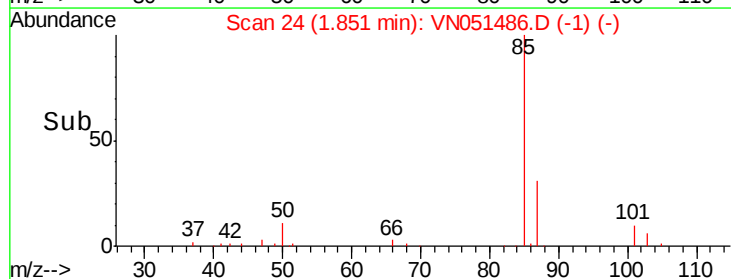
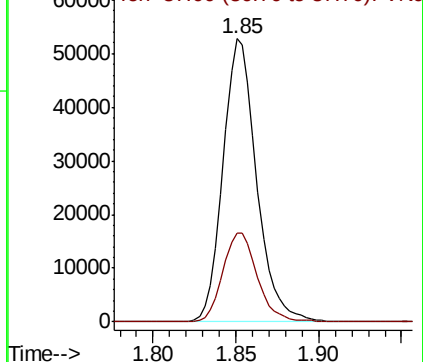
Lab File: VN051486.D

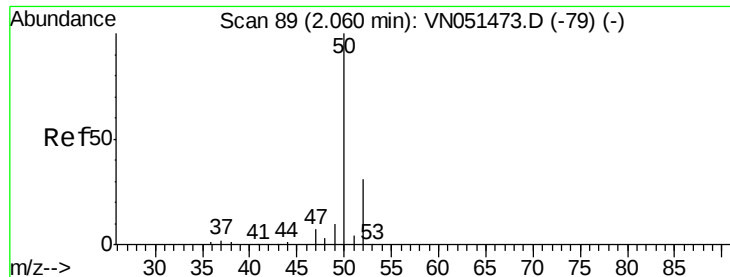
Acq: 25 Sep 2018 15:44

Tgt Ion:	85	Resp:	74245
Ion	Ratio	Lower	Upper
85	100		
87	31.4	16.3	48.8



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 19.686 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051486.D

Acq: 25 Sep 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 145572

Ion Ratio Lower Upper

50 100

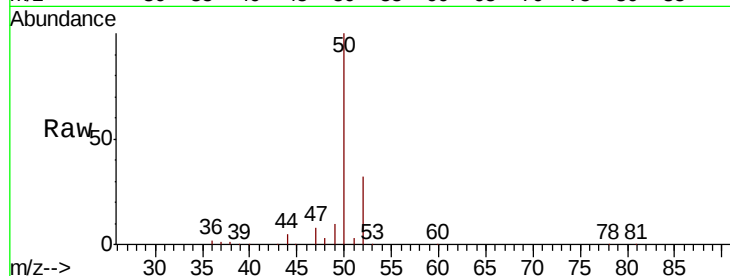
52 31.7 27.2 40.8

Manual Integrations

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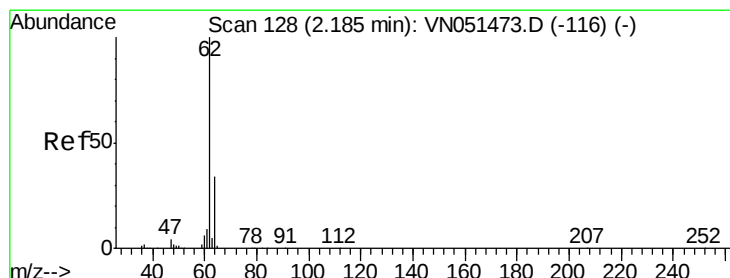
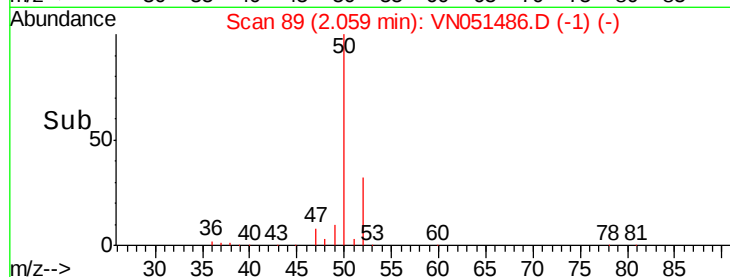
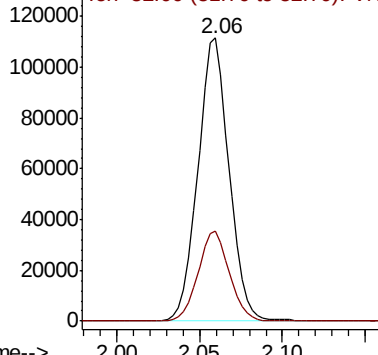
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.104 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051486.D

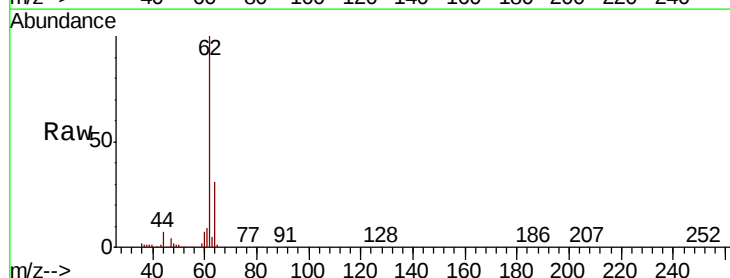
Acq: 25 Sep 2018 15:44

Tgt Ion: 62 Resp: 150742

Ion Ratio Lower Upper

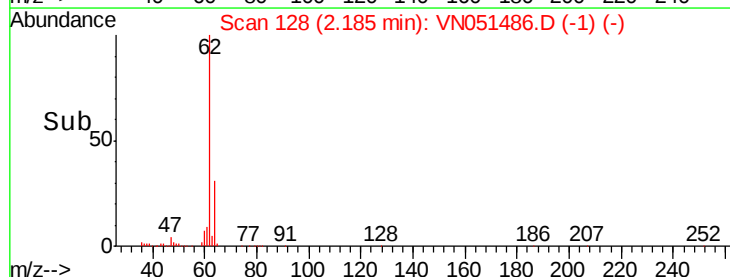
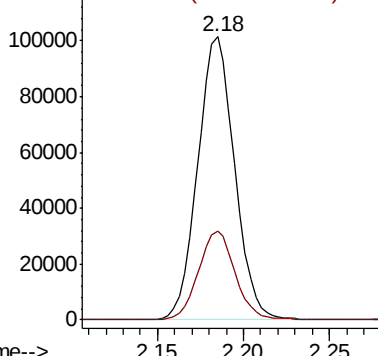
62 100

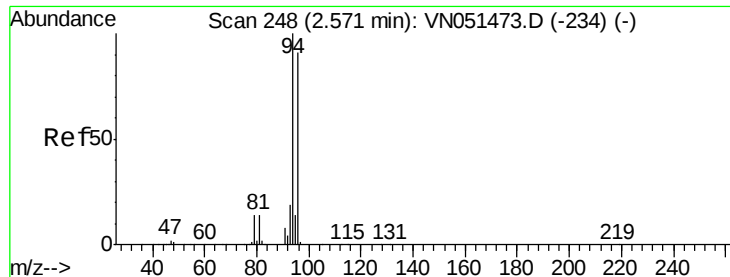
64 31.5 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 20.248 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN051486.D

Acq: 25 Sep 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 104419

Ion Ratio Lower Upper

94 100

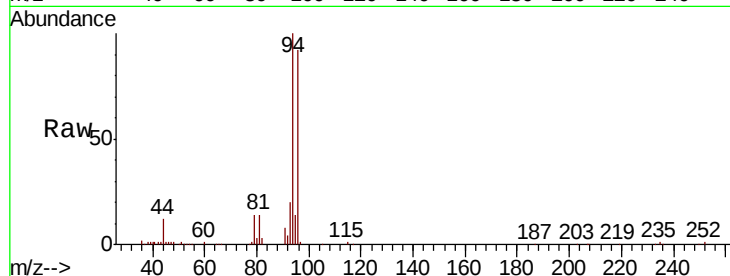
96 91.7 66.4 99.6

Manual Integrations

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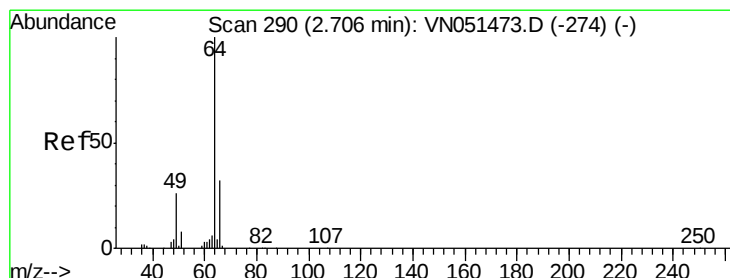
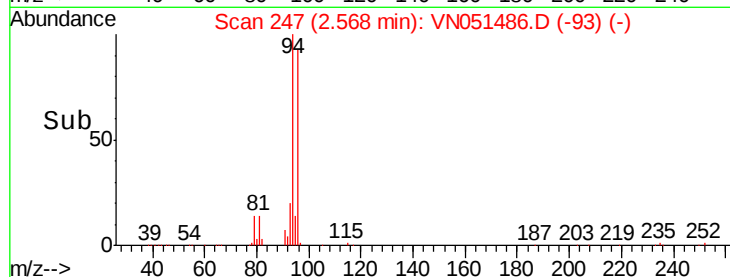
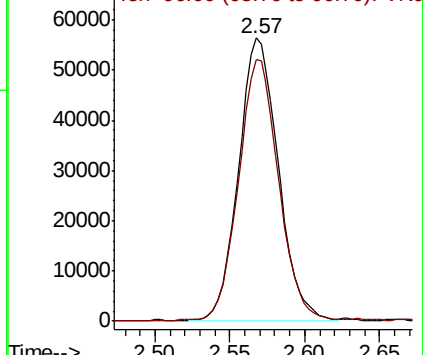
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.745 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051486.D

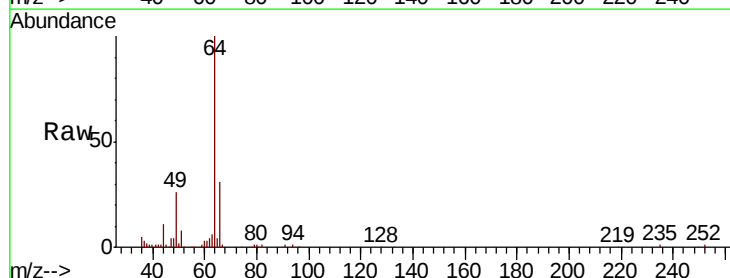
Acq: 25 Sep 2018 15:44

Tgt Ion: 64 Resp: 100897

Ion Ratio Lower Upper

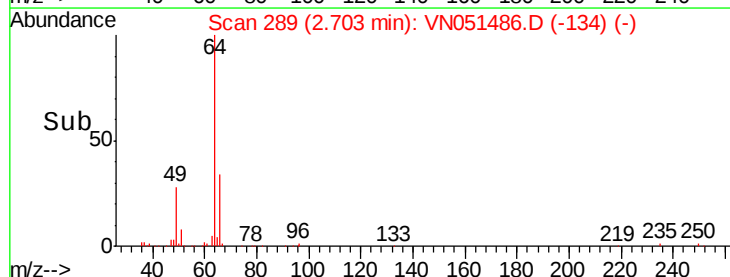
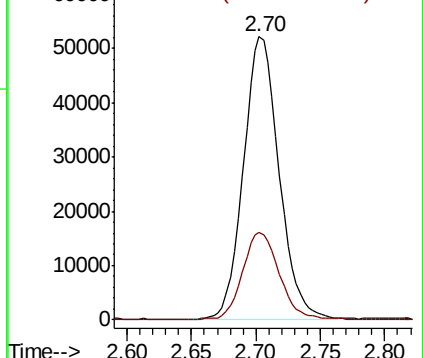
64 100

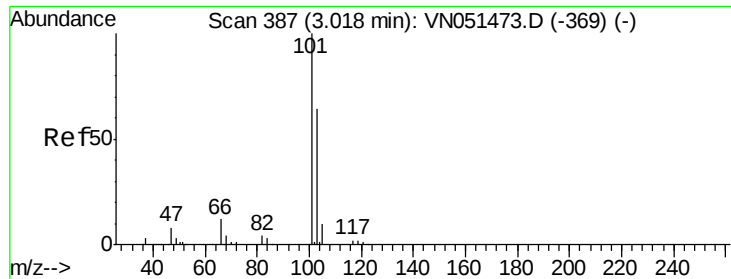
66 30.6 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

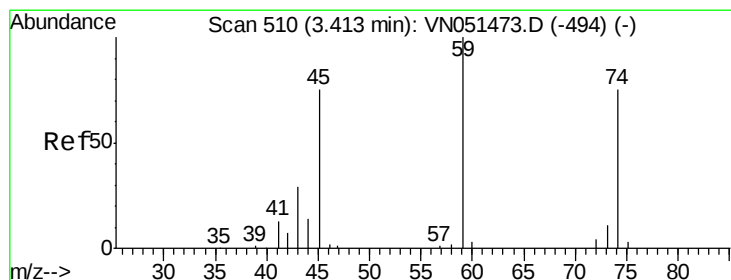
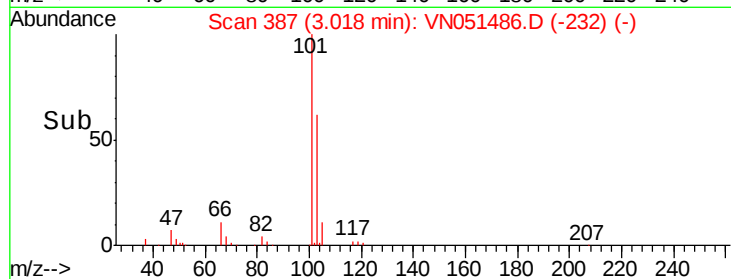
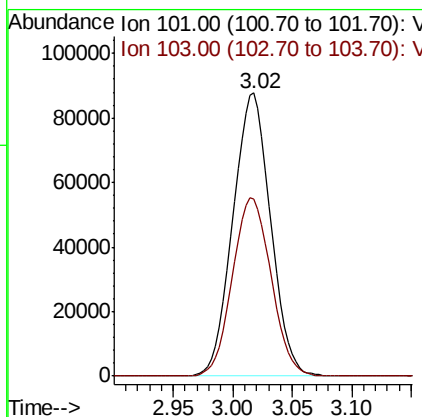
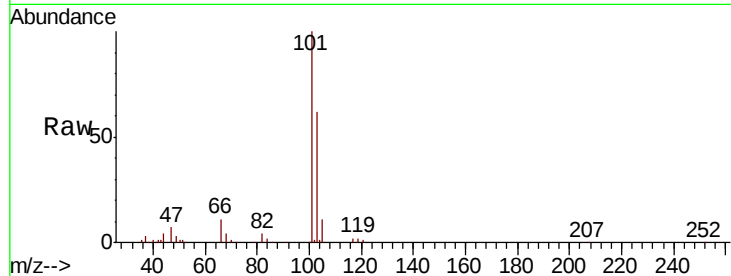
Trichlorofluoromethane
 Concen: 18.820 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN051486.D
 Acq: 25 Sep 2018 15:44

Instrument :
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 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	54.8	82.2

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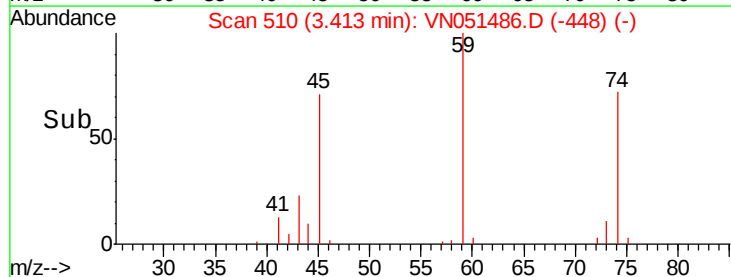
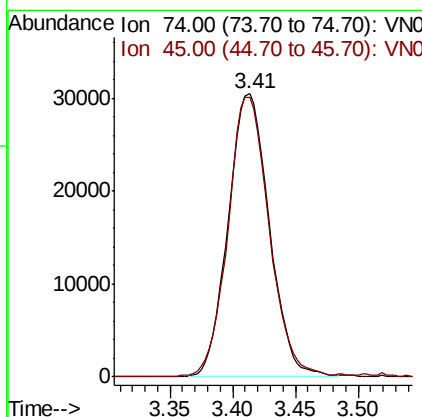
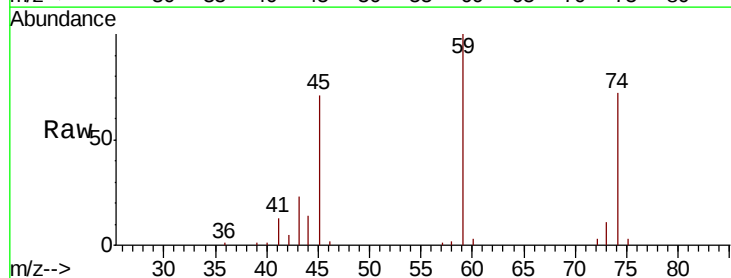
MMDadoda
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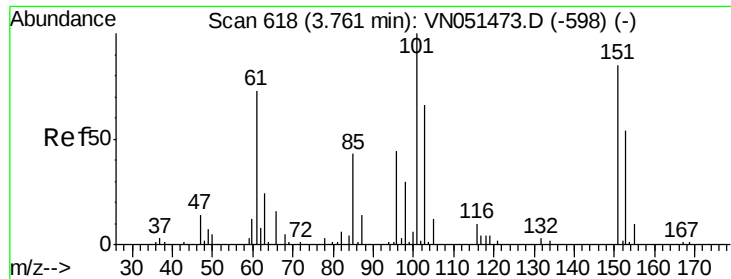


#8

Diethyl Ether
 Concen: 22.598 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN051486.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.2	20.7	186.5





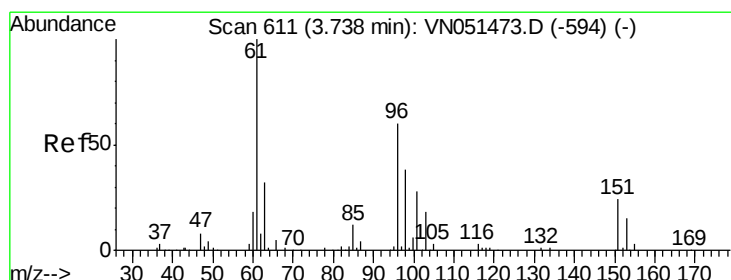
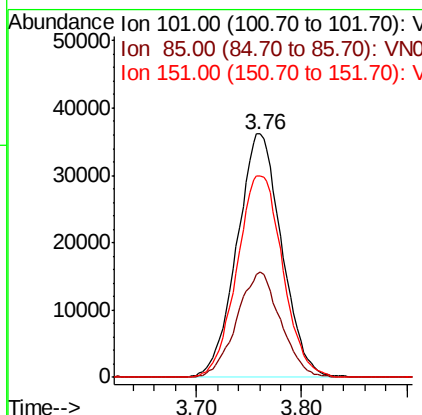
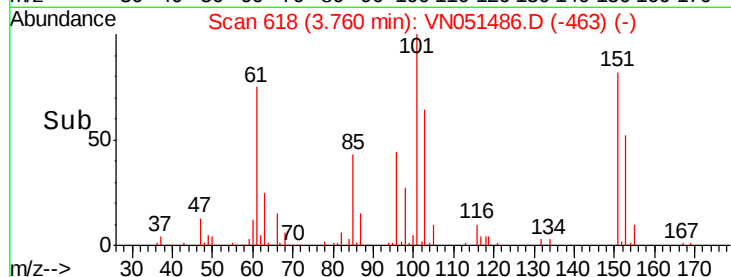
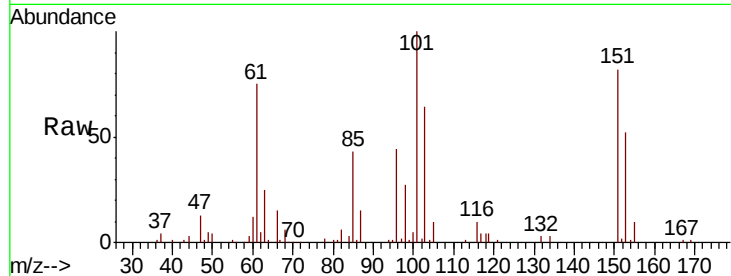
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.487 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: VN051486.D
 Acq: 25 Sep 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp Lower	Resp Upper
101	100		
85	42.2	0.0	46.0
151	84.5	0.0	82.2

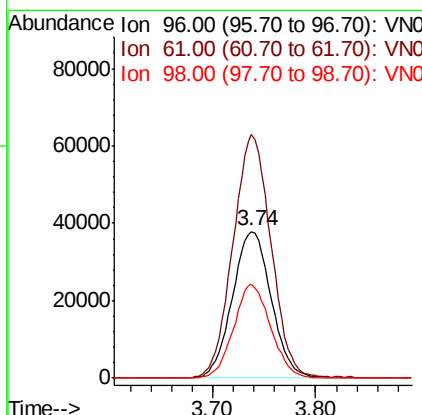
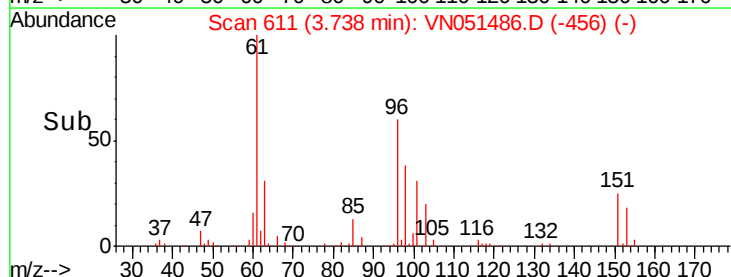
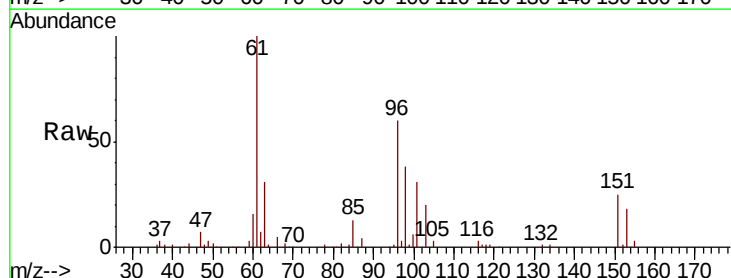
Manual Integrations
 APPROVED

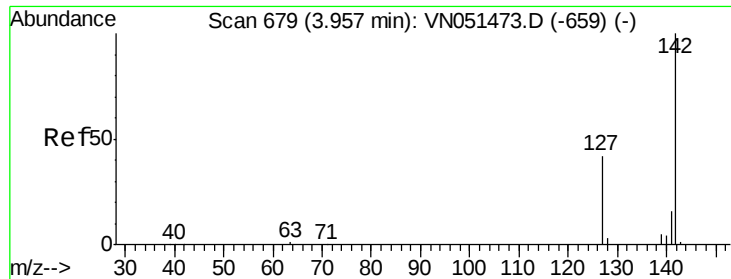
MMDadoda
 10/1/2018 11:21:34 AM



#10
 1,1-Dichloroethene
 Concen: 21.043 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN051486.D
 Acq: 25 Sep 2018 15:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	165.7	133.0	199.6
98	63.6	52.6	78.8





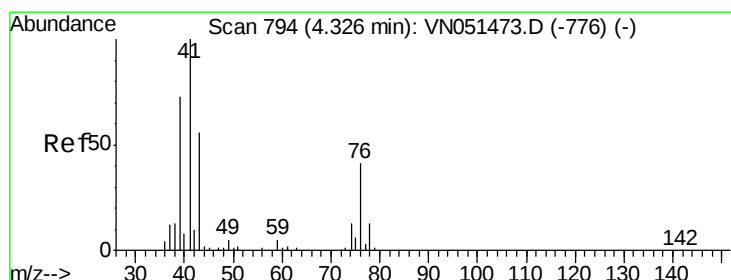
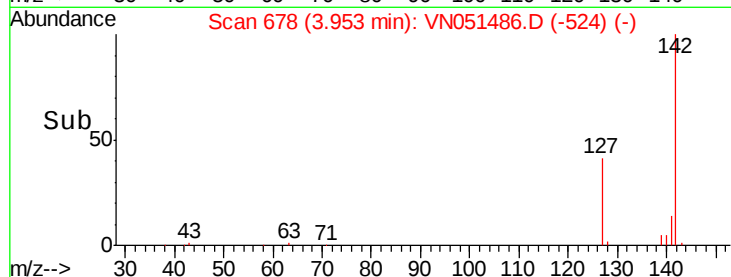
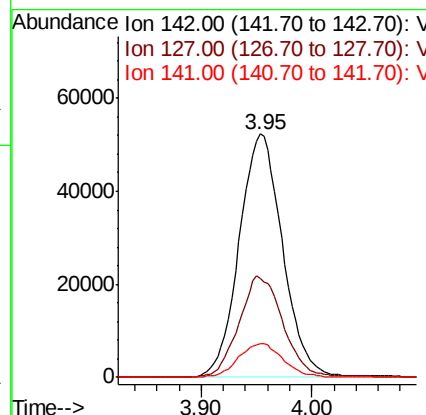
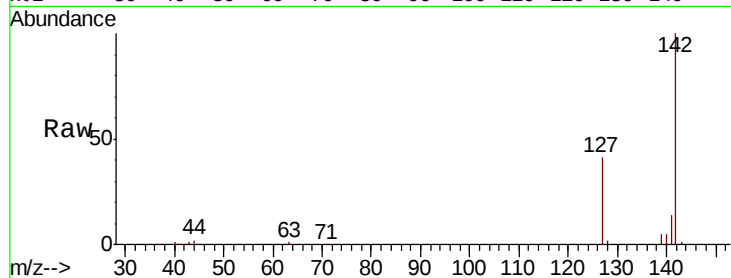
#11
Methvl Iodide
Concen: 20.385 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.6	19.7	59.0
141	13.9	6.3	18.9

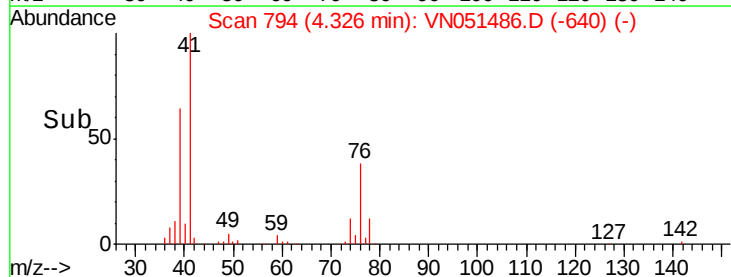
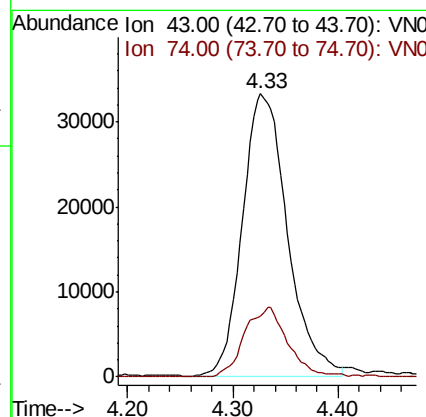
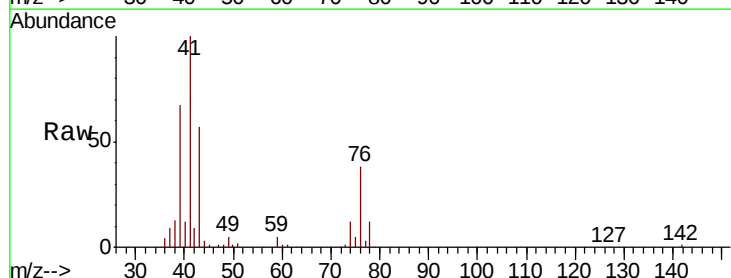
Manual Integrations
APPROVED

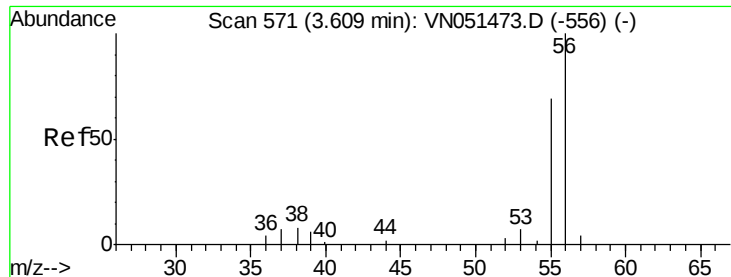
MMDadoda
10/1/2018 11:21:34 AM



#12
Methyl Acetate
Concen: 23.841 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	21.8	32.6#





#13

Acrolein

Concen: 119.245 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.01 min

Lab File: VN051486.D

Acq: 25 Sep 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 66208

Ion Ratio Lower Upper

56 100

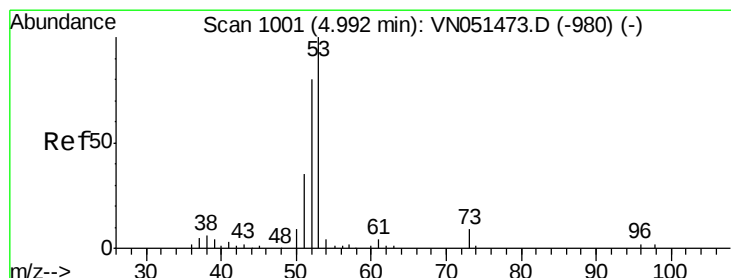
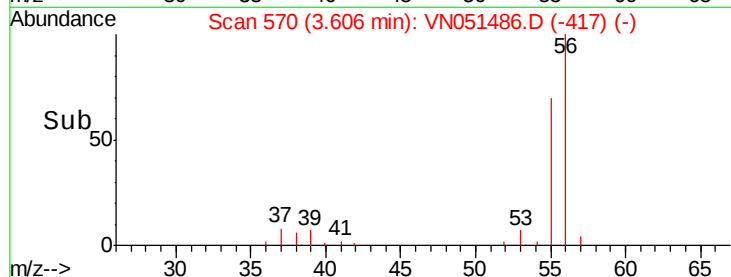
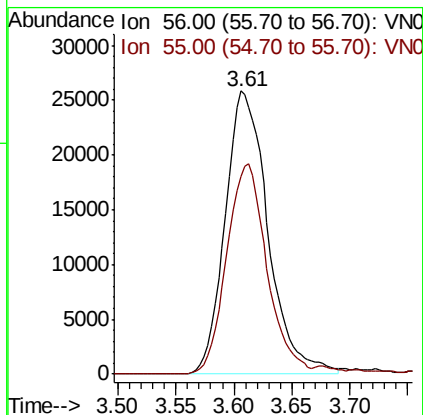
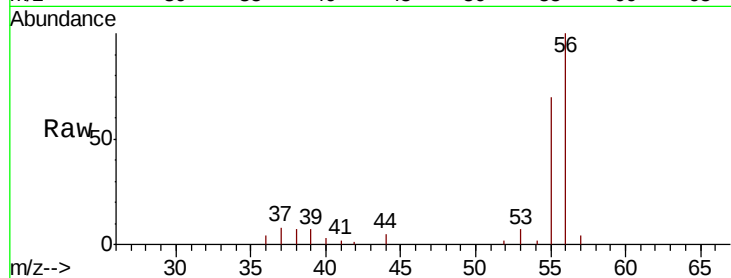
55 69.8 64.0 96.0

Manual Integrations

APPROVED

MMDadoda

10/1/2018 11:21:34 AM



#14

Acrylonitrile

Concen: 114.981 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051486.D

Acq: 25 Sep 2018 15:44

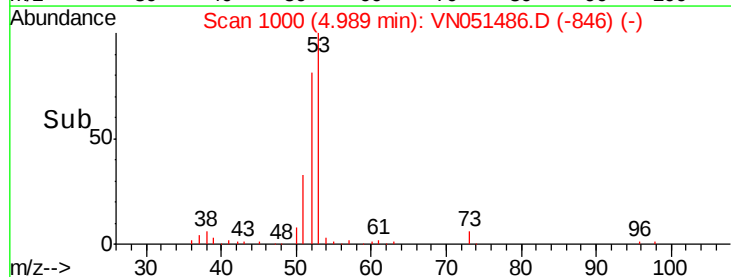
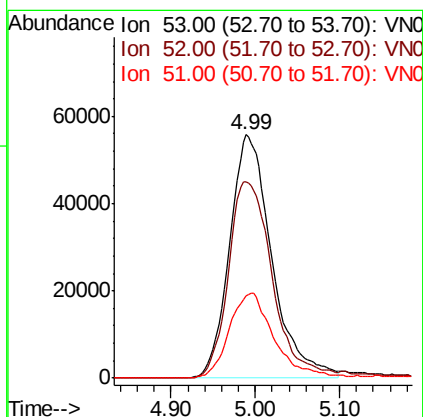
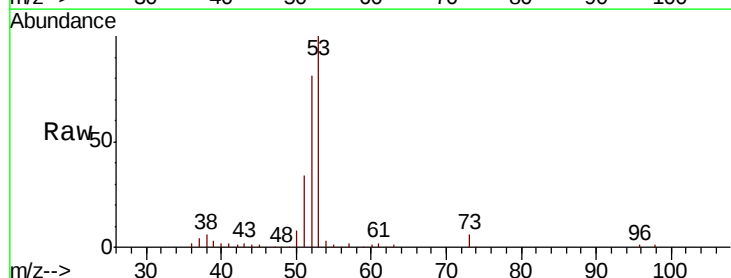
Tgt Ion: 53 Resp: 194481

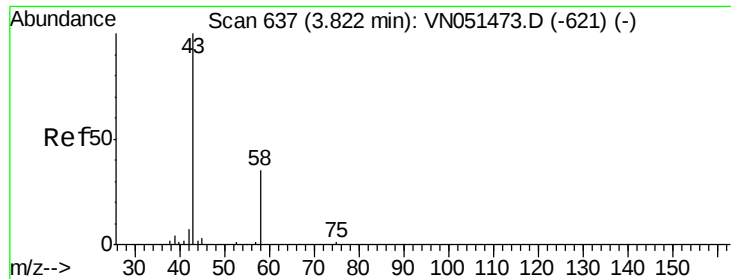
Ion Ratio Lower Upper

53 100

52 83.6 18.3 54.8#

51 37.0 19.7 59.1





#15

Acetone

Concen: 112.300 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.01 min

Lab File: VN051486.D

Acq: 25 Sep 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 46782

Ion Ratio Lower Upper

58 100

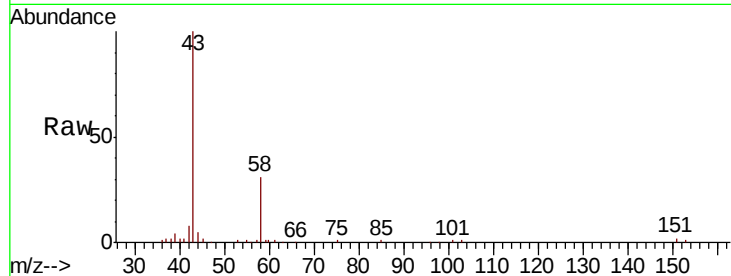
43 316.2 232.2 348.2

Manual Integrations

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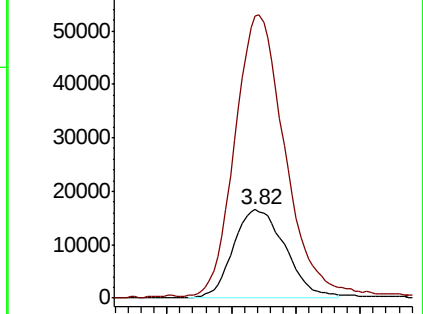
MMDadoda

10/1/2018 11:21:34 AM

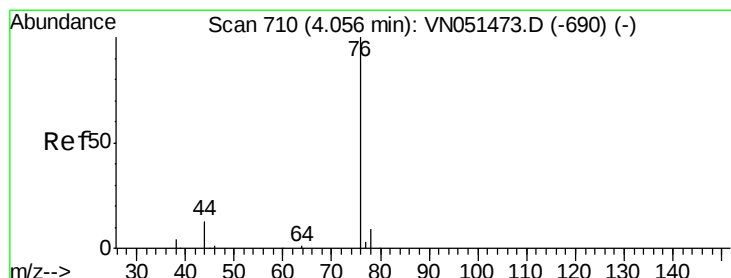
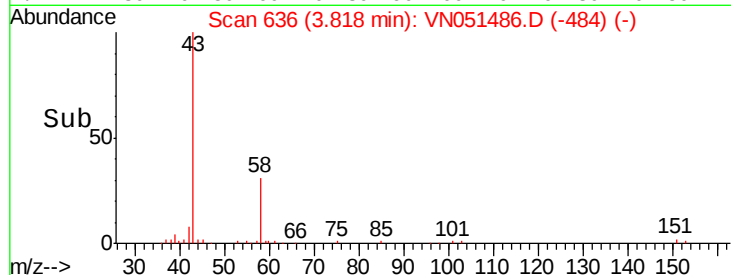


Abundance Ion 58.00 (57.70 to 58.70): VN051473.D (-621) (-)

Ion 43.00 (42.70 to 43.70): VN051473.D (-621) (-)



Time-->



#16

Carbon Disulfide

Concen: 19.603 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051486.D

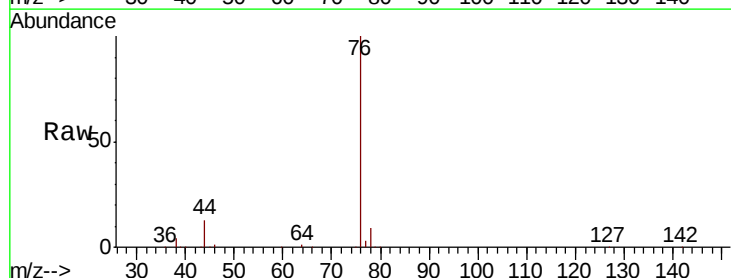
Acq: 25 Sep 2018 15:44

Tgt Ion: 76 Resp: 294561

Ion Ratio Lower Upper

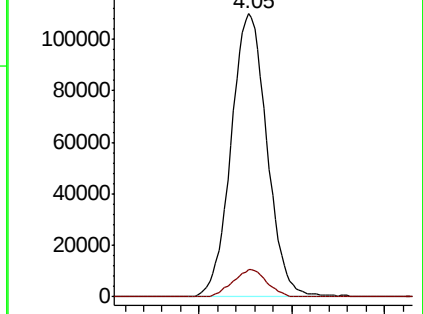
76 100

78 9.5 6.7 10.1

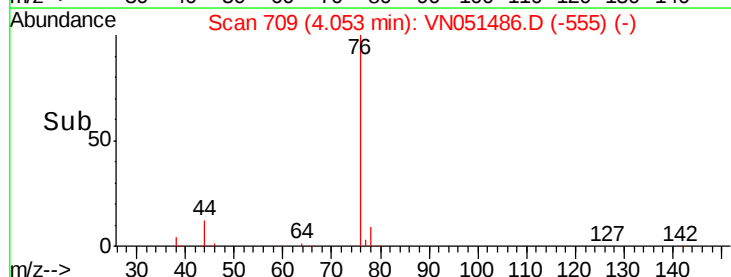


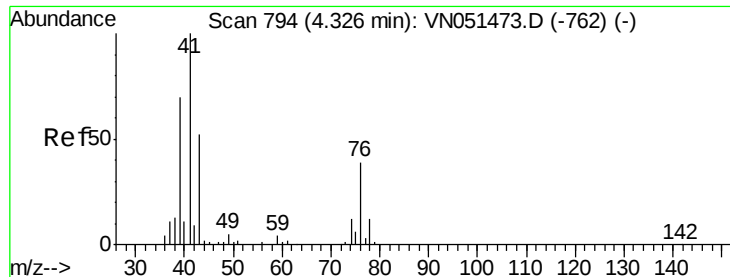
Abundance Ion 76.00 (75.70 to 76.70): VN051473.D (-690) (-)

Ion 78.00 (77.70 to 78.70): VN051473.D (-690) (-)



Time-->





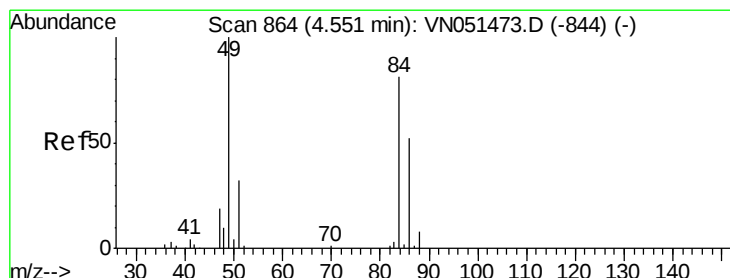
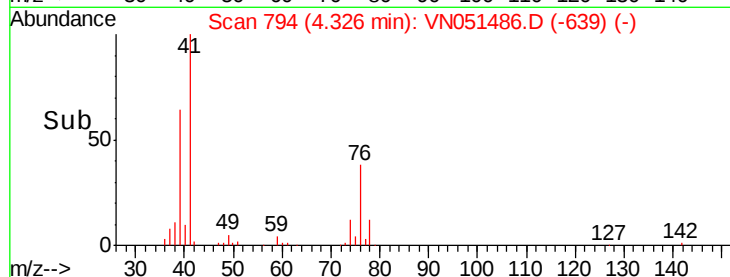
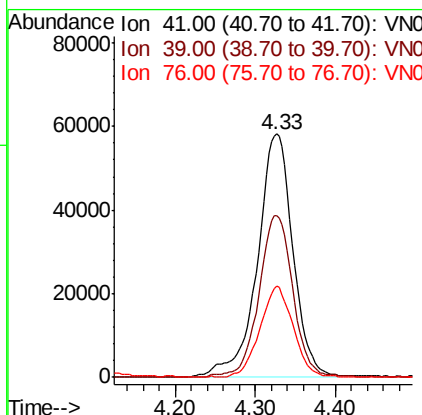
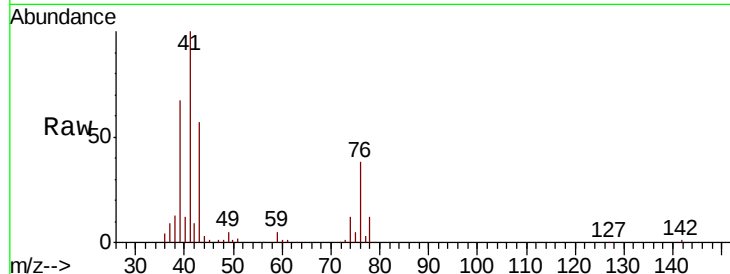
#17
Allvl chloride
Concen: 21.349 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	178543
Ion	Ratio	Lower	Upper
41	100		
39	66.6	32.6	97.8
76	37.2	20.2	60.5

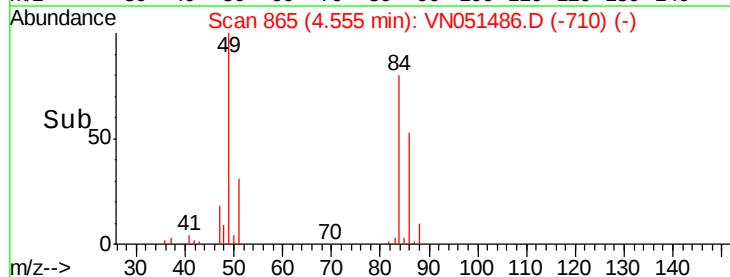
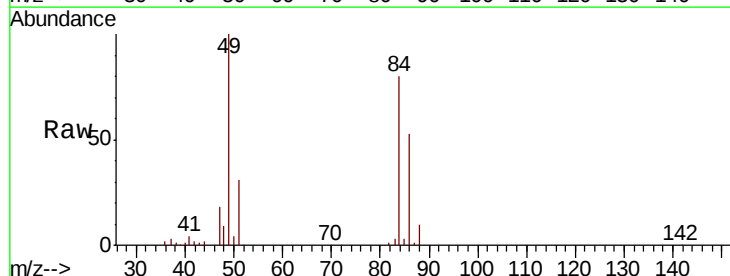
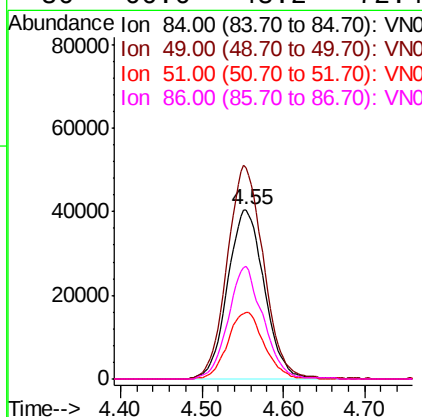
Manual Integrations
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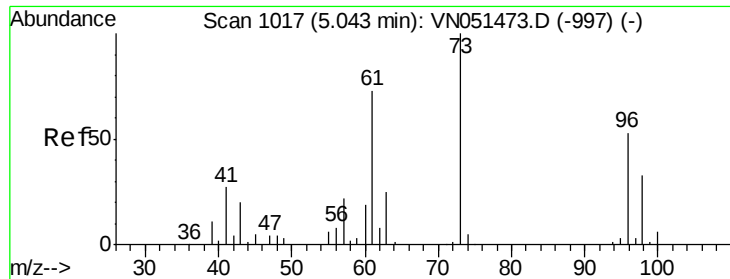
MMDadoda
10/1/2018 11:21:34 AM



#18
Methylene Chloride
Concen: 22.504 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Tgt Ion:	84	Resp:	127323
Ion	Ratio	Lower	Upper
84	100		
49	125.0	91.6	137.4
51	39.3	29.8	44.6
86	66.6	48.2	72.4





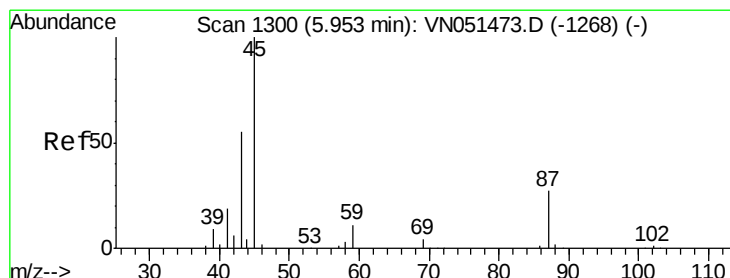
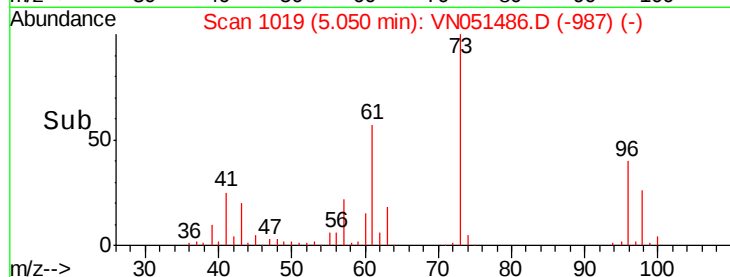
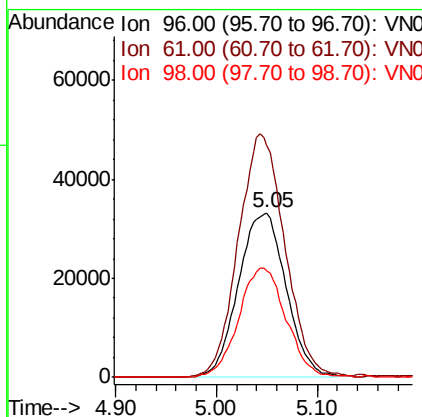
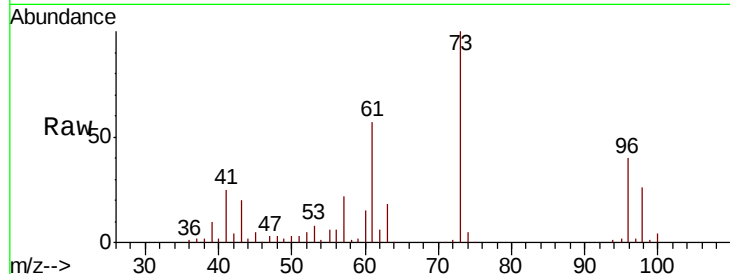
#19
trans-1,2-Dichloroethene
Concen: 21.259 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.5	112.3	168.5
98	65.0	47.1	70.7

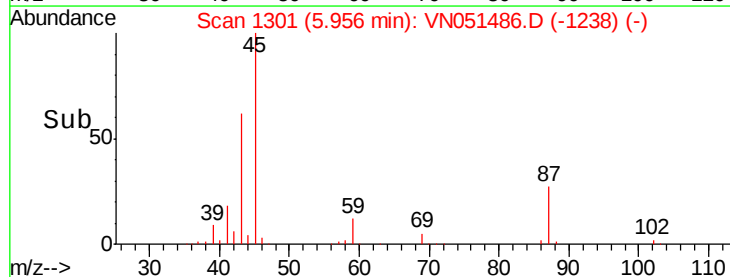
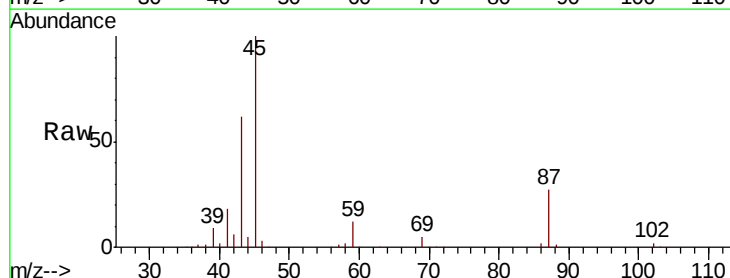
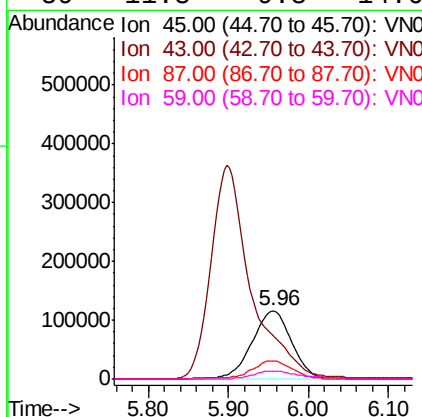
Manual Integrations
APPROVED

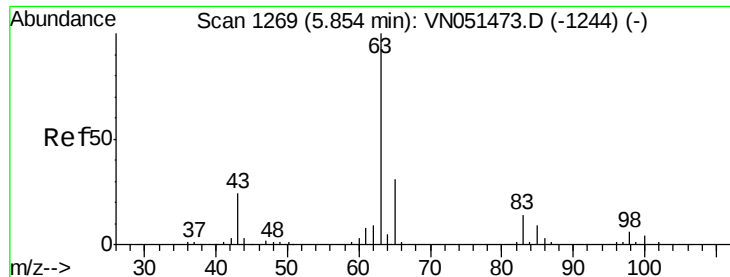
MMDadoda
10/1/2018 11:21:34 AM



#20
Diisopropyl ether
Concen: 23.852 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.2	62.1	93.1#
87	26.4	19.9	29.9
59	11.8	9.8	14.6





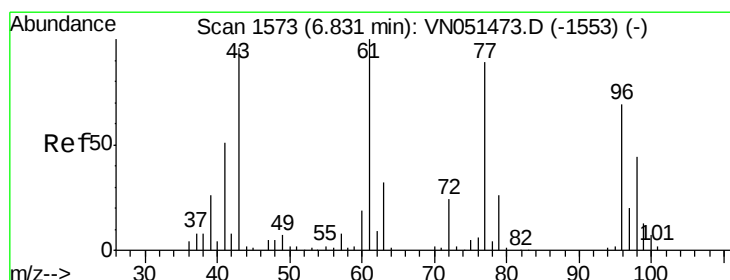
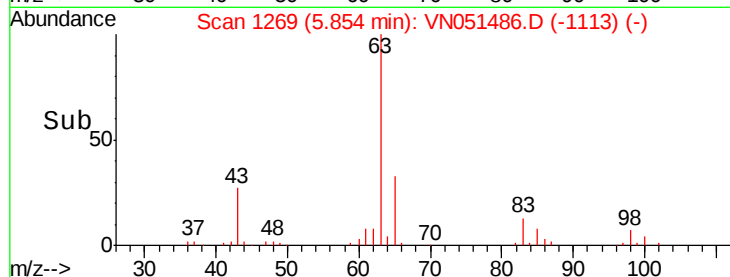
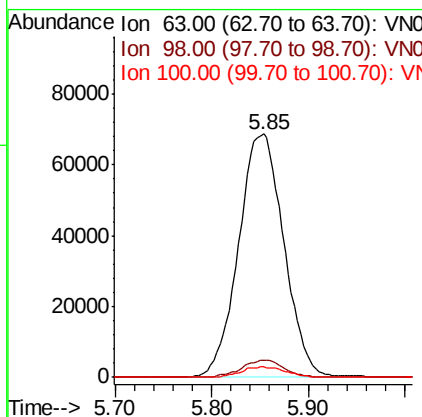
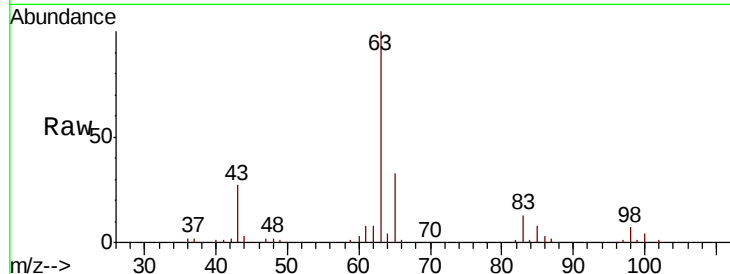
#21
 1,1-Dichloroethane
 Concen: 22.332 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051486.D
 Acq: 25 Sep 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	63	Resp:	223371
Ion Ratio	Lower	Upper	
63	100		
98	7.2	4.1	12.3
100	4.2	1.6	4.7

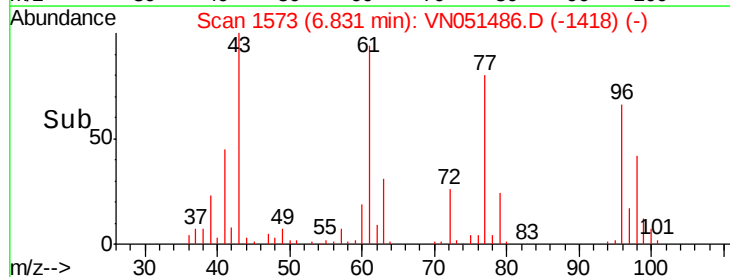
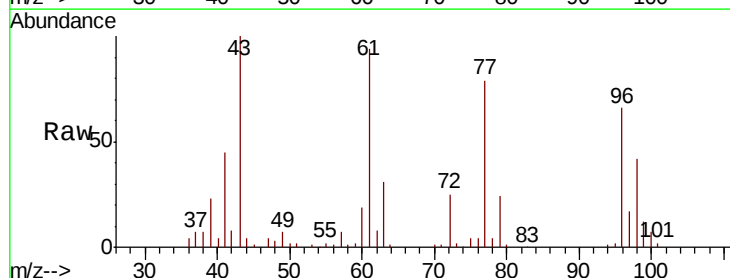
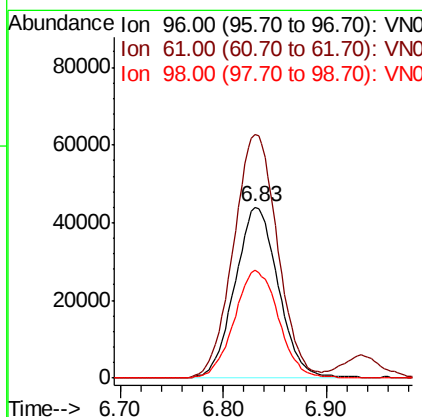
Manual Integrations
 APPROVED

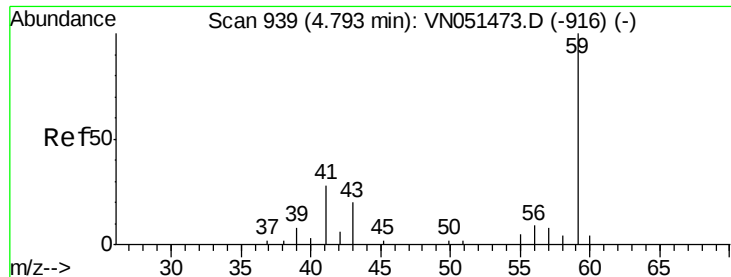
MMDadoda
 10/1/2018 11:21:34 AM



#22
 cis-1,2-Dichloroethene
 Concen: 22.329 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN051486.D
 Acq: 25 Sep 2018 15:44

Tgt Ion:	96	Resp:	128137
Ion Ratio	Lower	Upper	
96	100		
61	145.5	124.5	186.7
98	64.9	51.9	77.9





#23

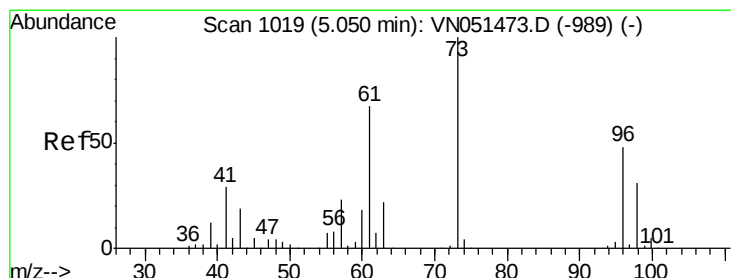
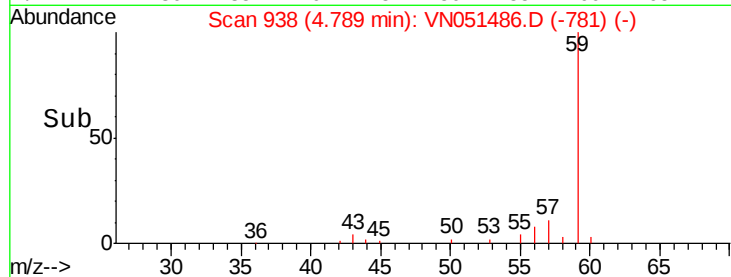
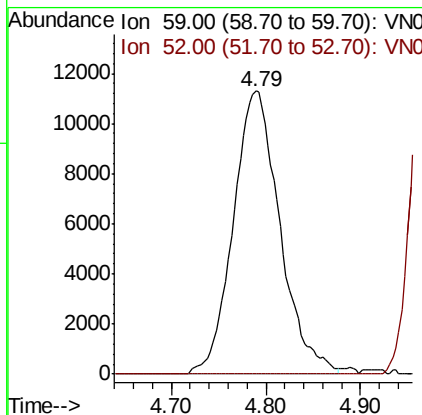
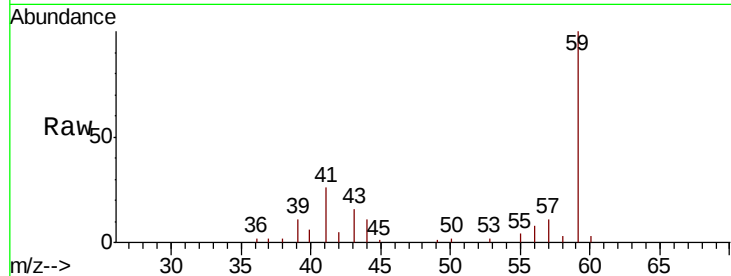
tert-Butyl Alcohol
 Concen: 121.767 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: VN051486.D
 Acq: 25 Sep 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		38785		
52	0.0		0.0	0.0	0.0

Manual Integrations
 APPROVED

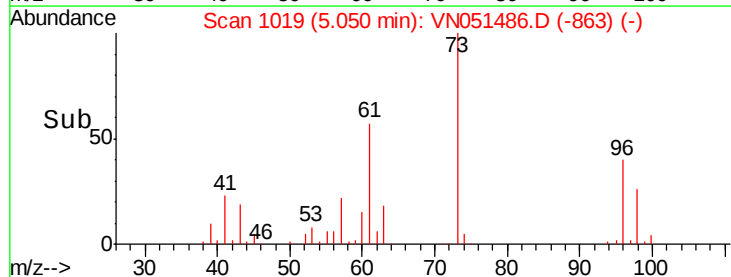
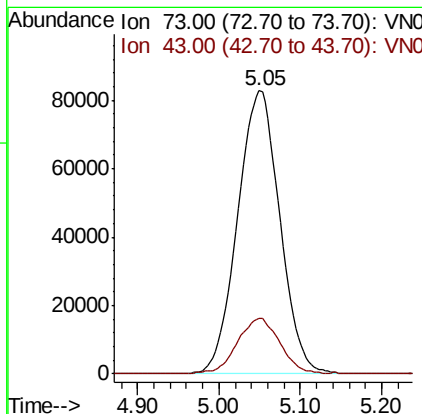
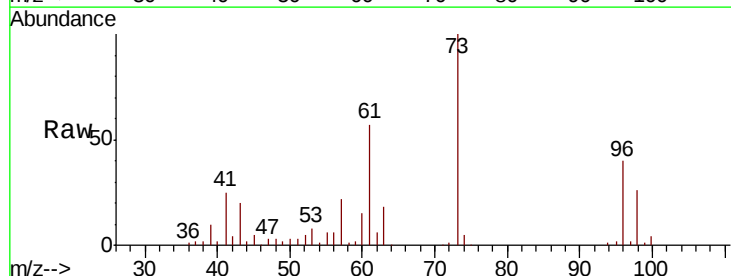
MMDadoda
 10/1/2018 11:21:34 AM

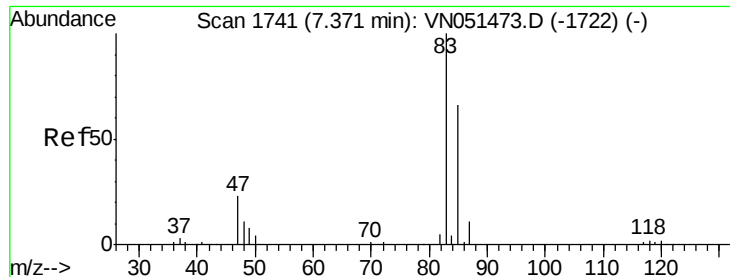


#24

Methyl tert-Butyl Ether
 Concen: 23.012 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN051486.D
 Acq: 25 Sep 2018 15:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	100		296917		
43	19.9		5.4	8.0	#





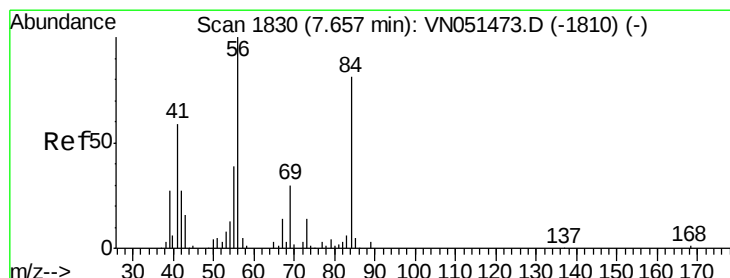
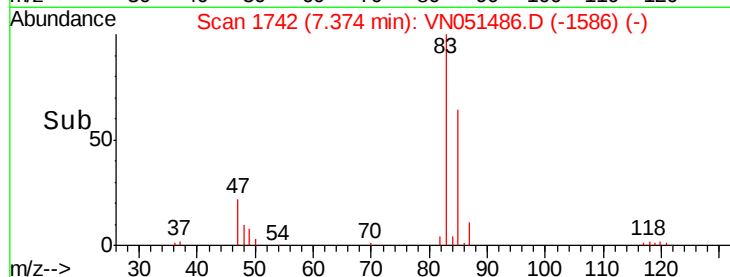
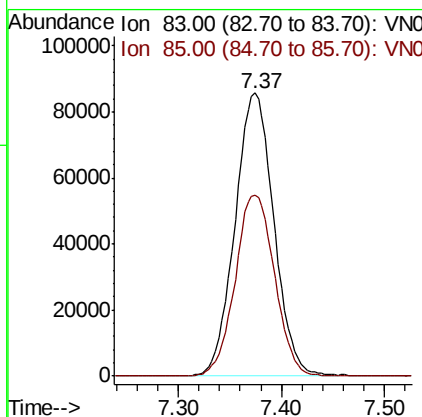
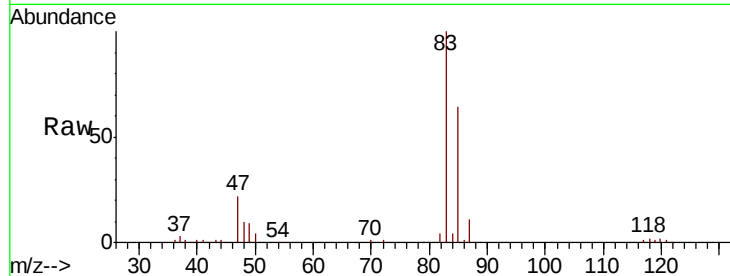
#25
Chloroform
Concen: 22.513 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	224599
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	54.6	82.0

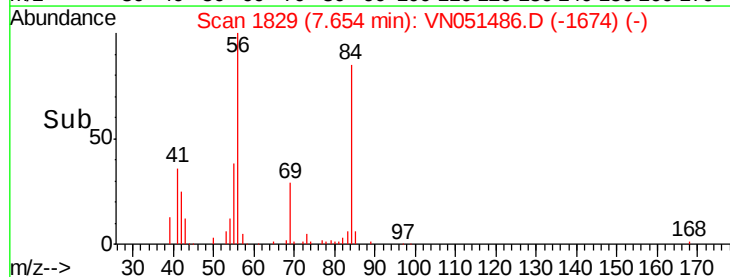
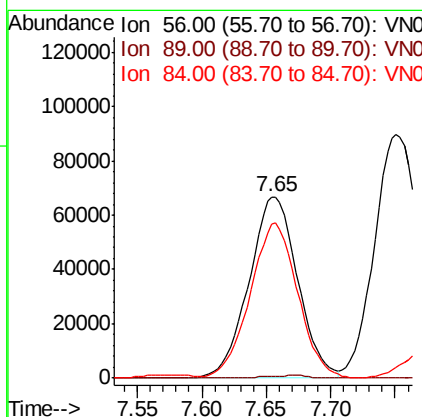
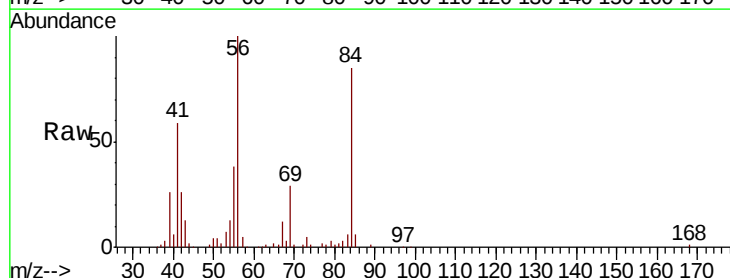
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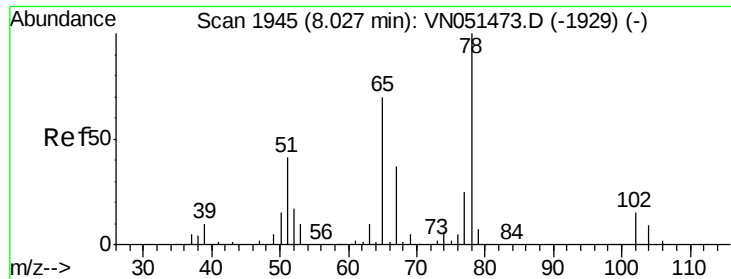
MMDadoda
10/1/2018 11:21:34 AM



#26
Cyclohexane
Concen: 20.589 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Tgt Ion	56	Resp	175327
Ion Ratio	100	Lower	Upper
56	100		
89	1.4	1.5	2.3#
84	82.8	64.2	96.4





#27

1,2-Dichloroethane-d4

Concen: 30.603 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051486.D

Acq: 25 Sep 2018 15:44

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

Tot Ion: 65 Resp: 211511

Ion Ratio Lower Upper

65 100

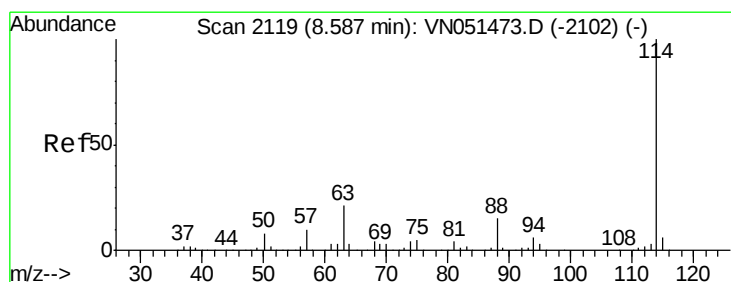
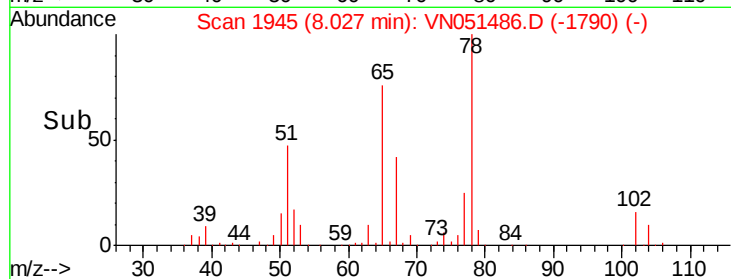
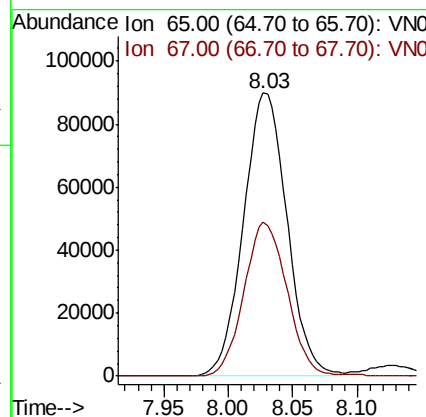
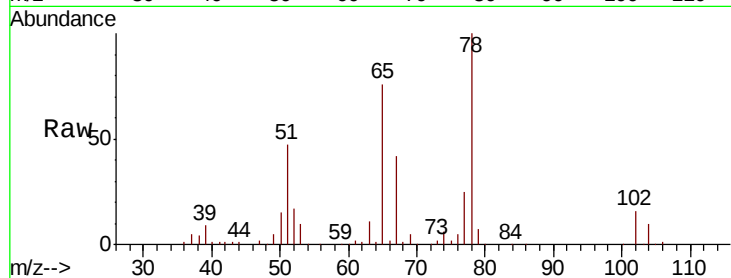
67 53.7 41.8 62.8

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051486.D

Acq: 25 Sep 2018 15:44

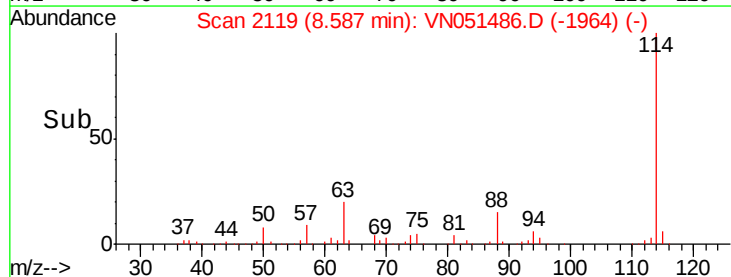
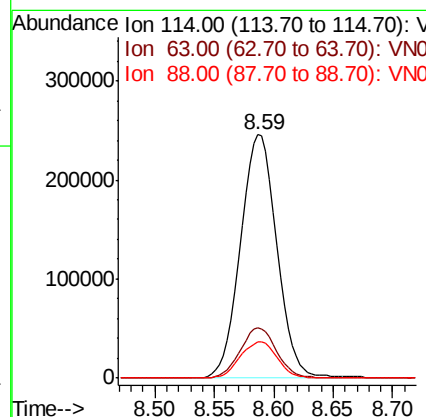
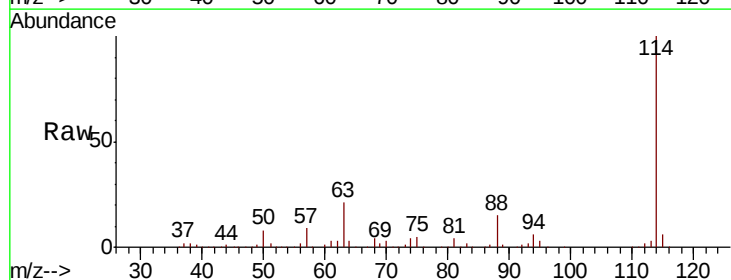
Tgt Ion: 114 Resp: 521105

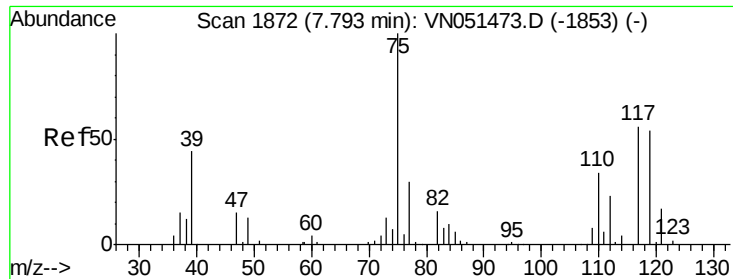
Ion Ratio Lower Upper

114 100

63 20.6 16.2 24.2

88 15.3 12.2 18.4





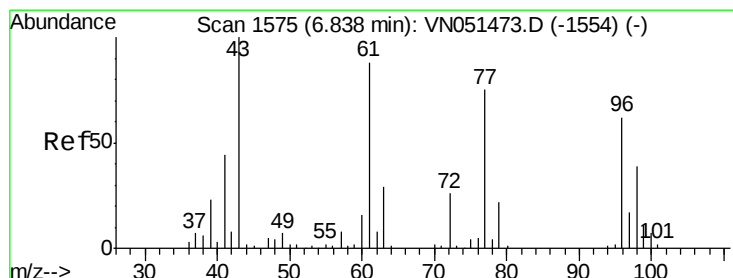
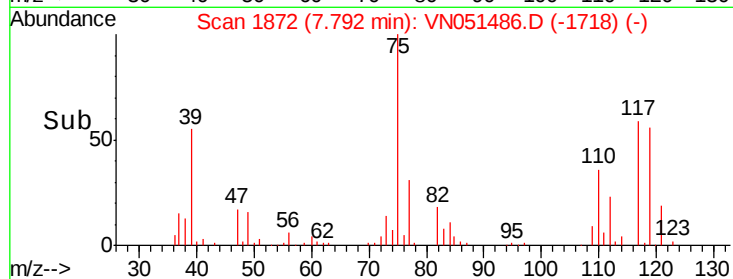
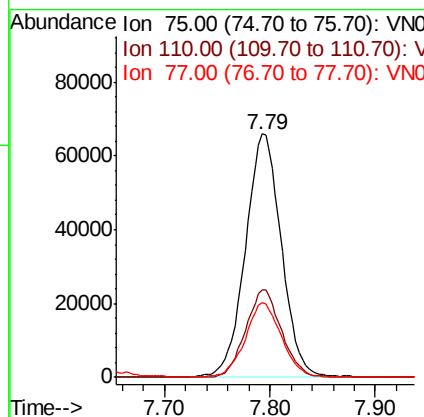
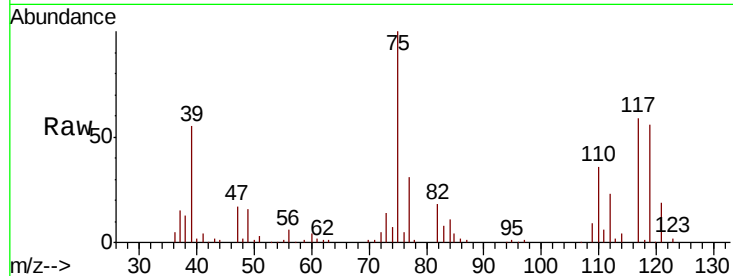
#29
 1,1-Dichloropropene
 Concen: 21.308 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051486.D
 Acq: 25 Sep 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.7	0.0	70.8
77	31.1	0.0	61.6

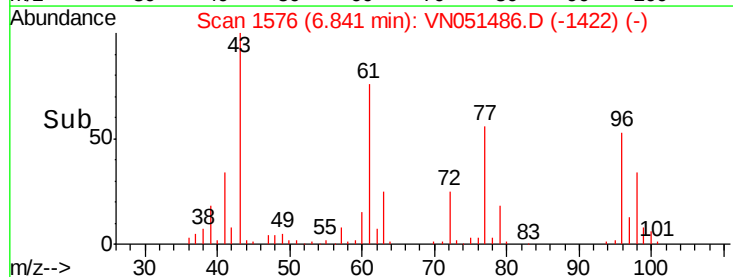
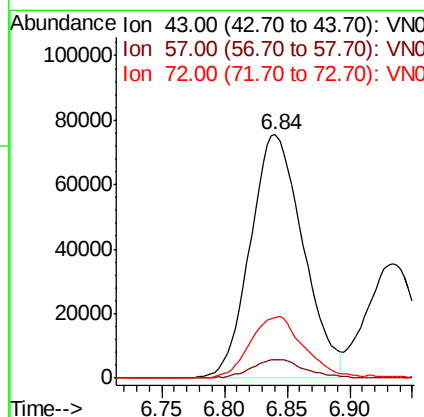
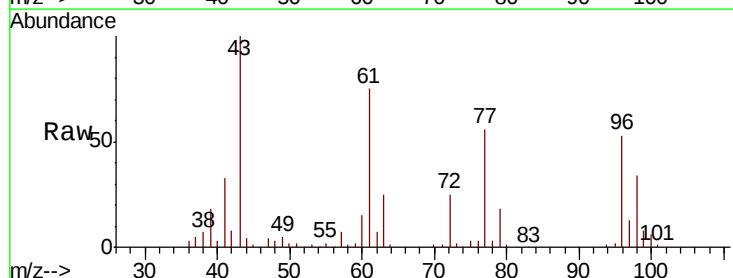
Manual Integrations
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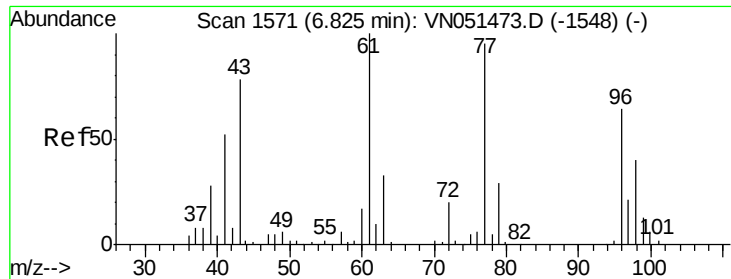
MMDadoda
 10/1/2018 11:21:34 AM



#30
 2-Butanone
 Concen: 116.169 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN051486.D
 Acq: 25 Sep 2018 15:44

Tgt Ion	Ratio	Lower	Upper
43	100		
57	3.7	4.5	6.7#
72	25.8	21.5	32.3





#31

2,2-Dichloropropane

Concen: 21.433 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051486.D

Acq: 25 Sep 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 167745

Ion Ratio Lower Upper

77 100

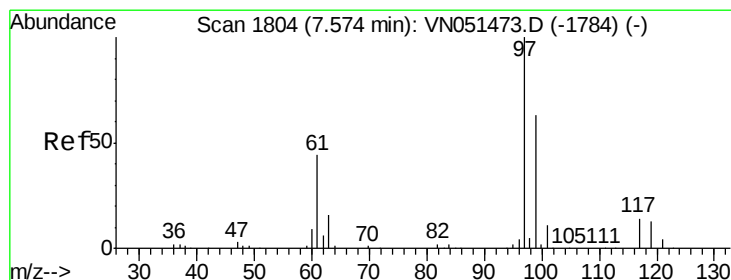
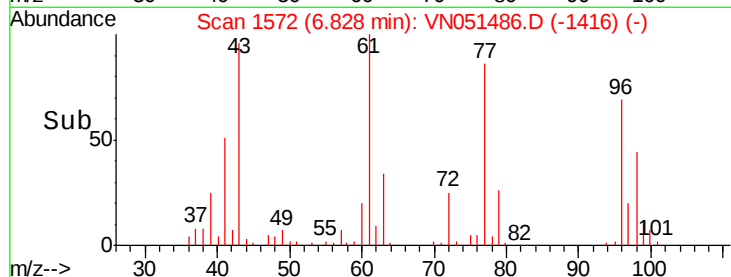
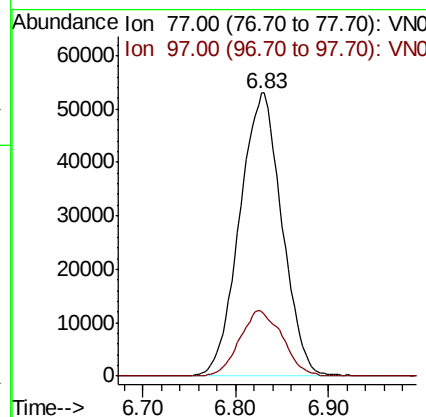
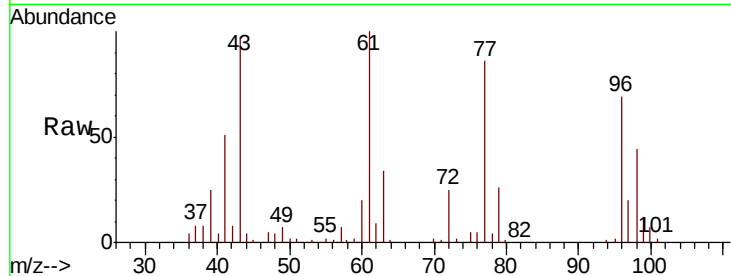
97 23.4 12.0 18.0#

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 21.950 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051486.D

Acq: 25 Sep 2018 15:44

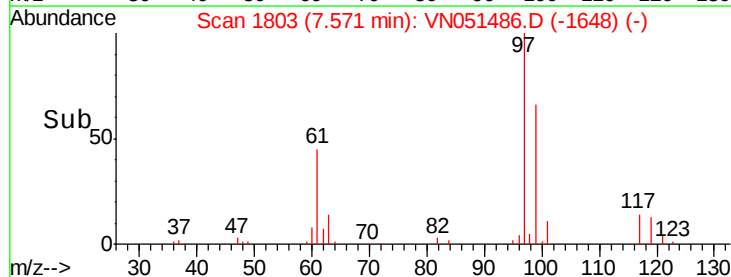
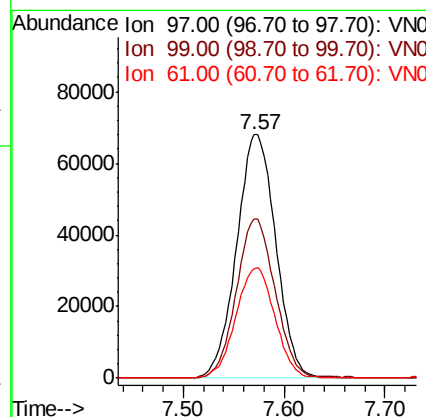
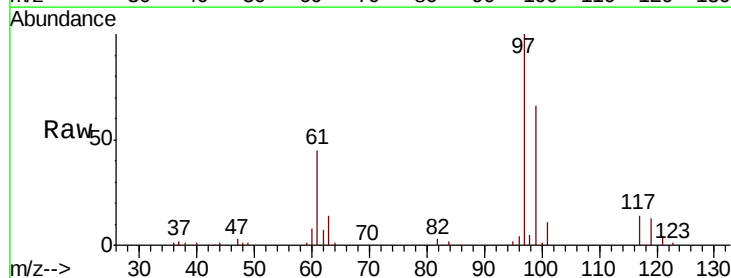
Tgt Ion: 97 Resp: 183860

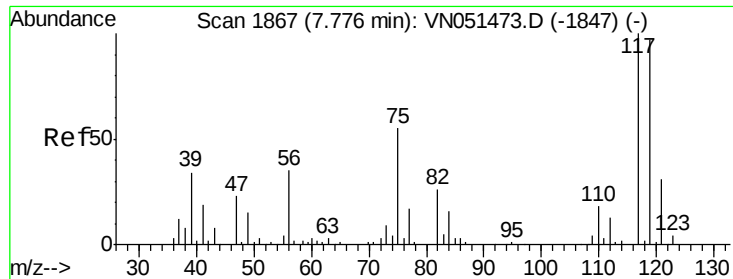
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 45.1 37.4 56.0





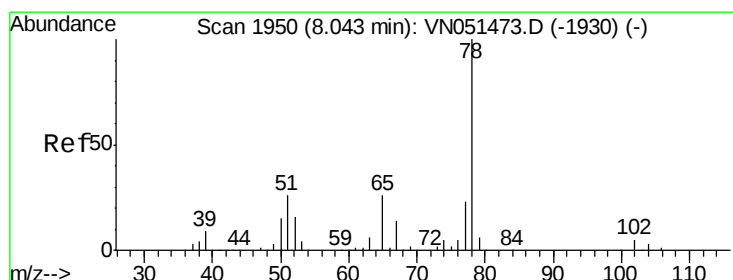
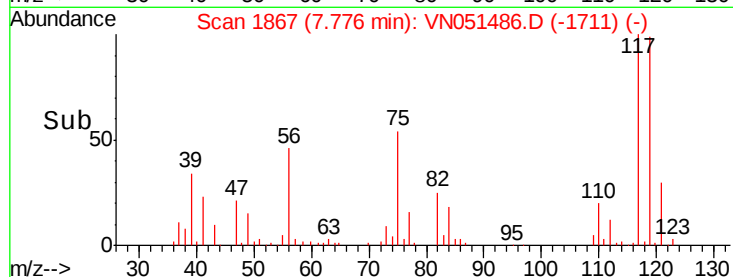
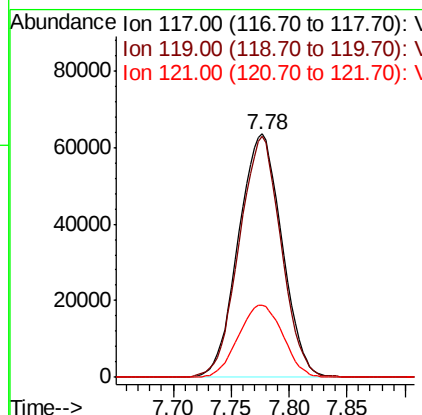
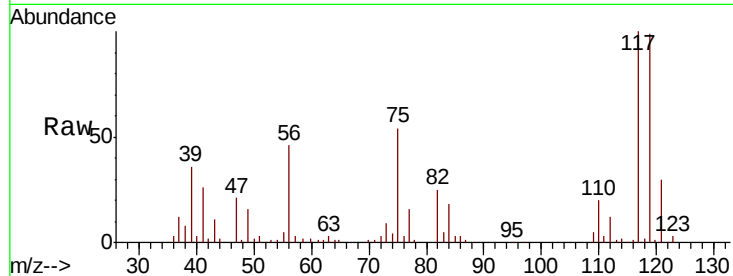
#33
Carbon Tetrachloride
Concen: 21.561 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
117	100		165712		
119	98.9	85.1	127.7		
121	29.9	24.2	36.2		

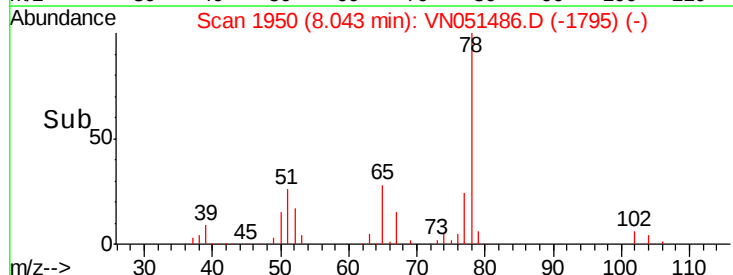
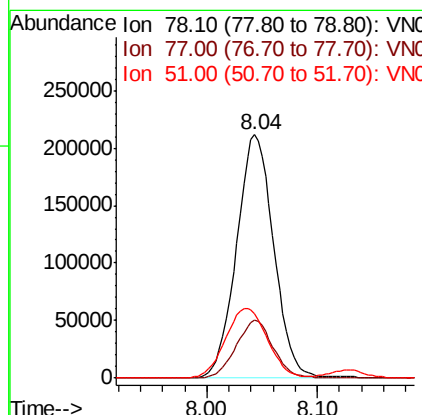
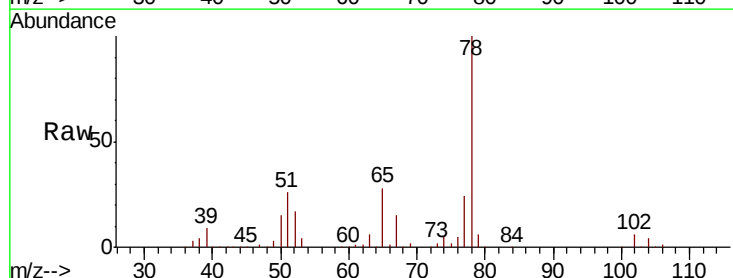
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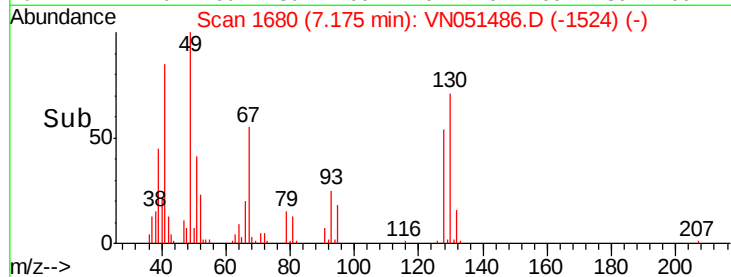
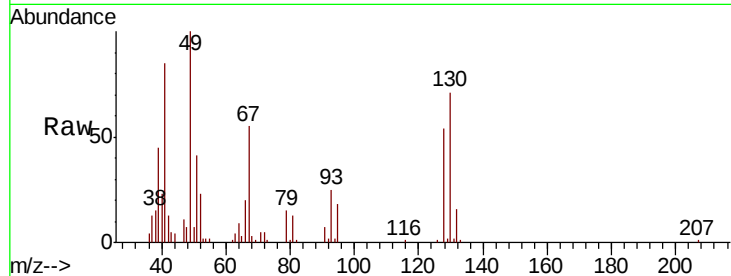
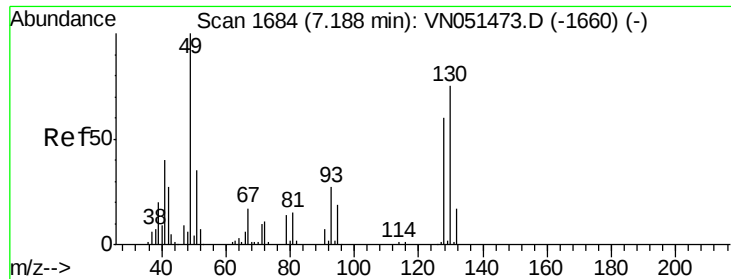
MMDadoda
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#34
Benzene
Concen: 22.671 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
78	100		493863		
77	23.6	18.8	28.2		
51	26.1	46.2	69.4		





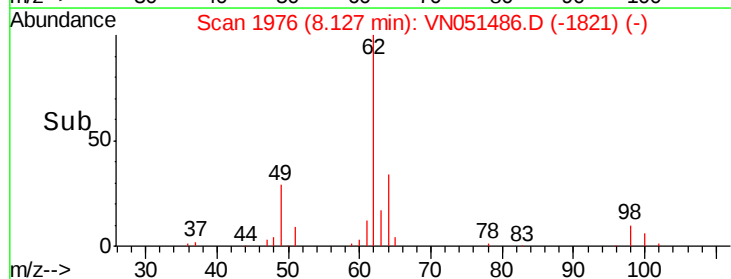
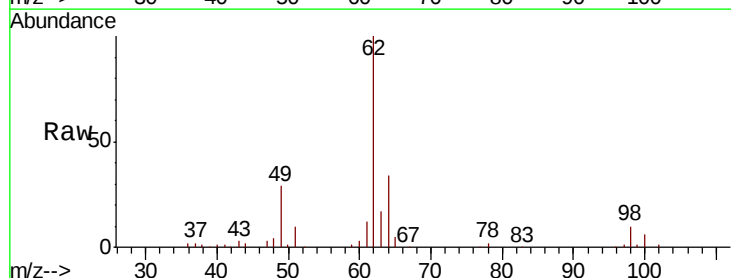
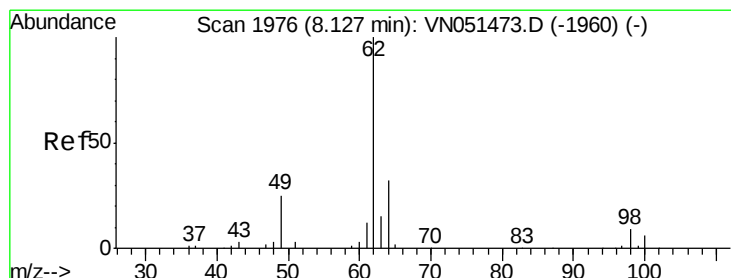
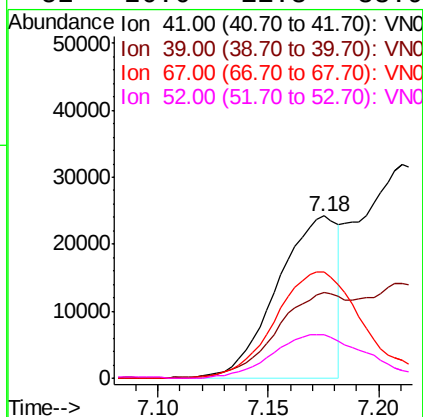
#35
Methacrylonitrile
Concen: 16.874 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Tot Ion	41	Resp	46087
Ion Ratio	Lower	Upper	
41	100		
39	51.6	22.6	67.7
67	65.1	28.9	86.8
52	26.6	11.3	33.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

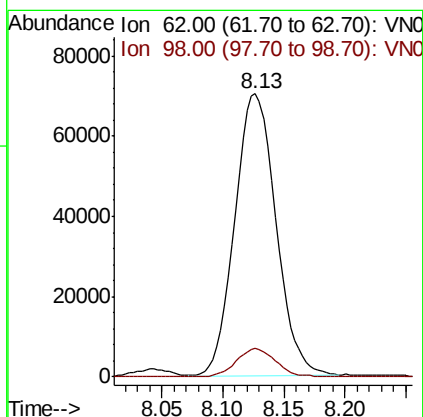
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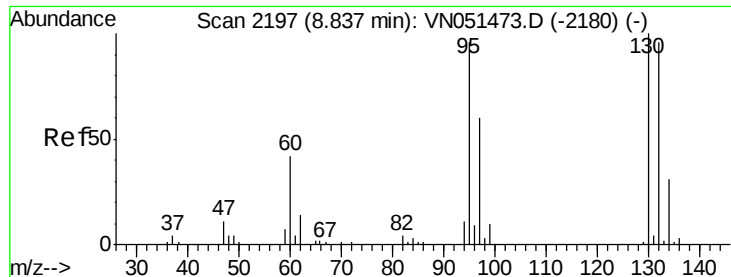
MMDadoda
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#36
1,2-Dichloroethane
Concen: 23.231 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Tgt Ion	62	Resp	164782
Ion Ratio	Lower	Upper	
62	100		
98	9.7	6.9	10.3





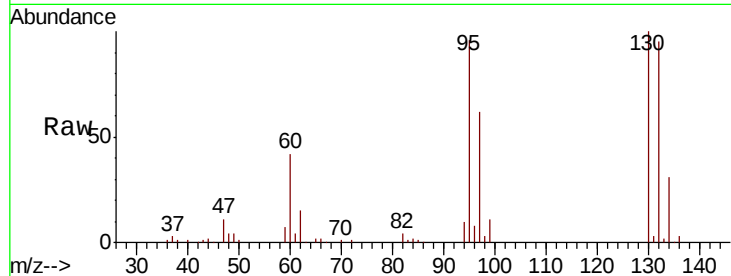
#37
 Trichloroethene
 Concen: 21.595 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051486.D
 Acq: 25 Sep 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

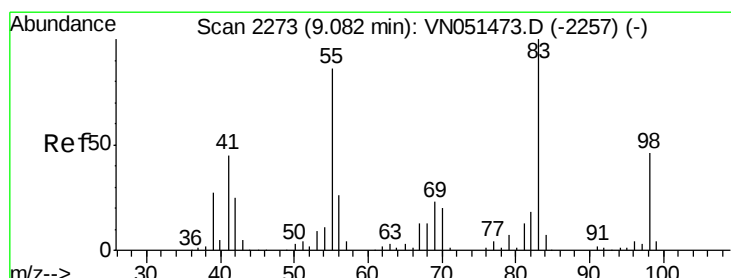
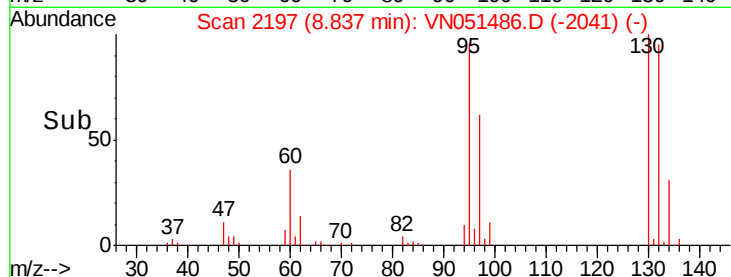
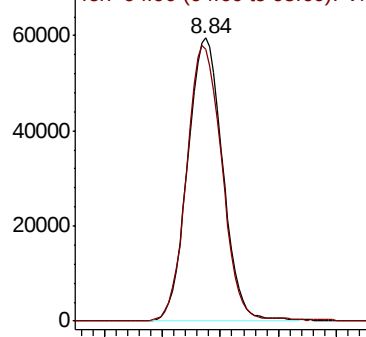
Tot Ion:130 Resp: 124680
 Ion Ratio Lower Upper
 130 100
 95 96.1 76.4 114.6

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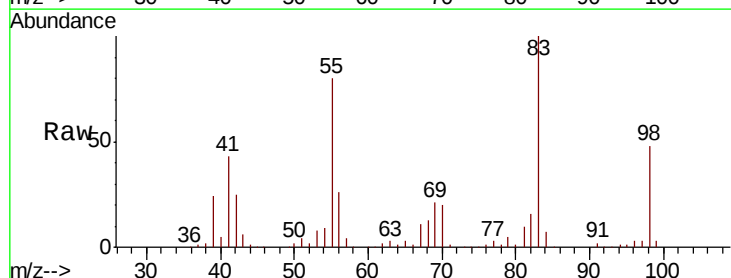


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

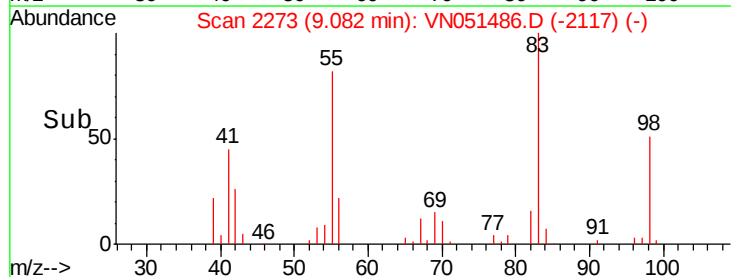
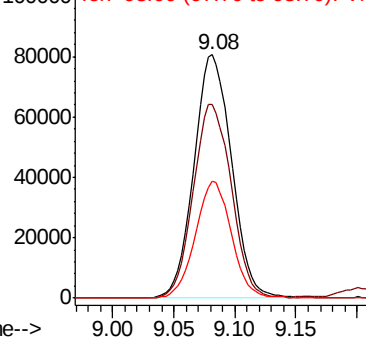


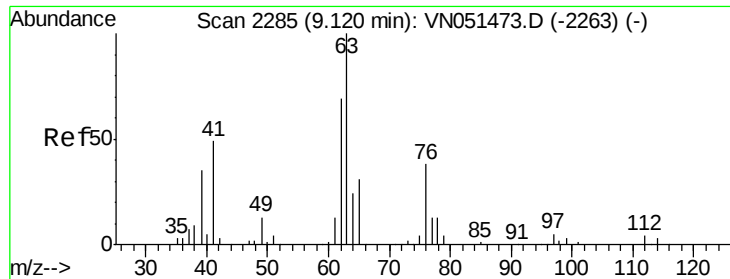
#38
 Methylcyclohexane
 Concen: 20.328 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051486.D
 Acq: 25 Sep 2018 15:44

Tgt Ion: 83 Resp: 172902
 Ion Ratio Lower Upper
 83 100
 55 80.3 43.0 129.2
 98 45.6 21.3 63.7



Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 55.00 (54.70 to 55.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO





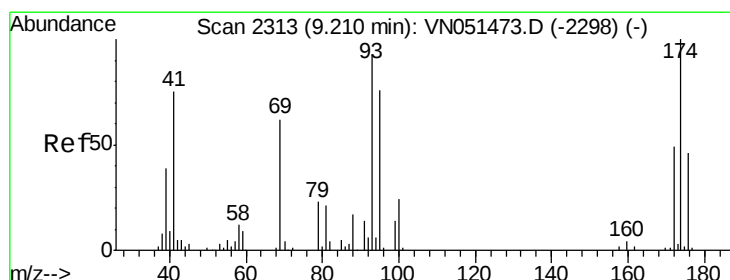
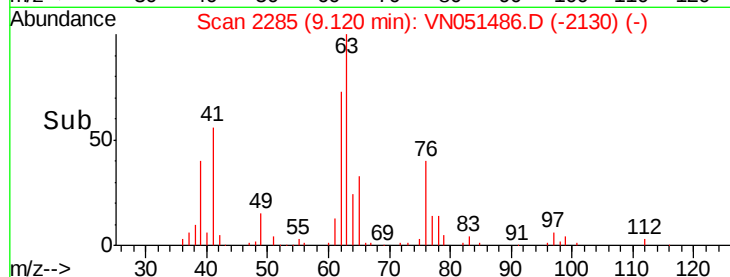
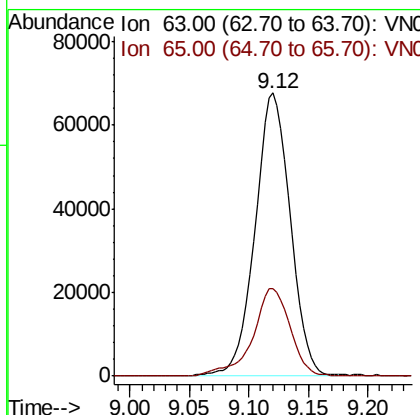
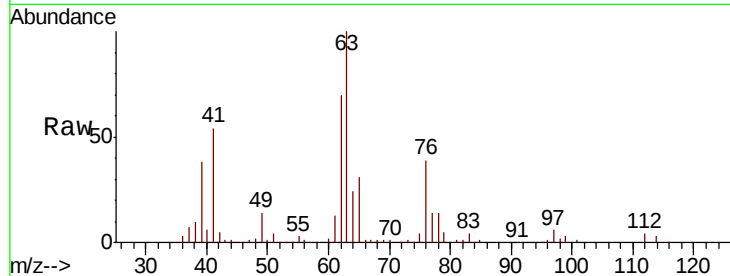
#39
 1,2-Dichloropropane
 Concen: 23.460 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051486.D
 Acq: 25 Sep 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 139025
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.2 34.8

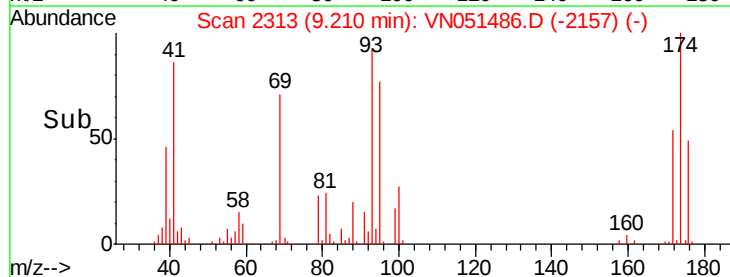
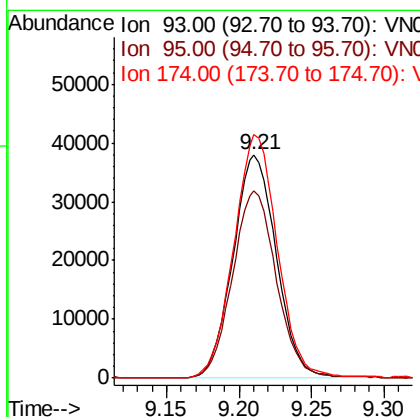
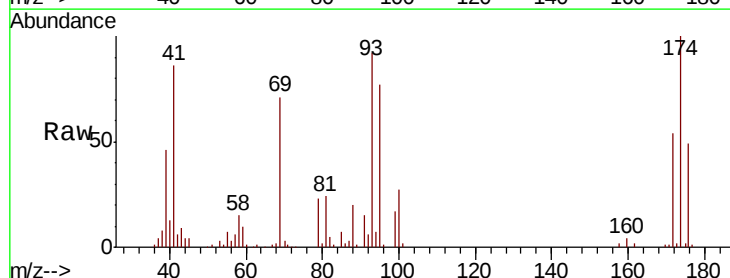
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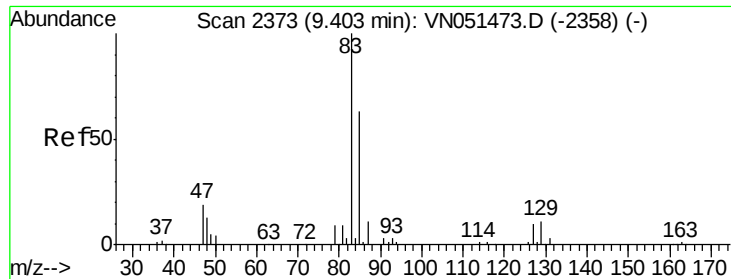
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 10/1/2018 11:21:34 AM



#40
 Dibromomethane
 Concen: 23.382 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051486.D
 Acq: 25 Sep 2018 15:44

Tgt Ion: 93 Resp: 78865
 Ion Ratio Lower Upper
 93 100
 95 84.9 0.0 162.0
 174 109.7 0.0 214.0





#41

Bromodichloromethane

Concen: 22.810 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051486.D

Acq: 25 Sep 2018 15:44

Instrument :

MSVOA_N

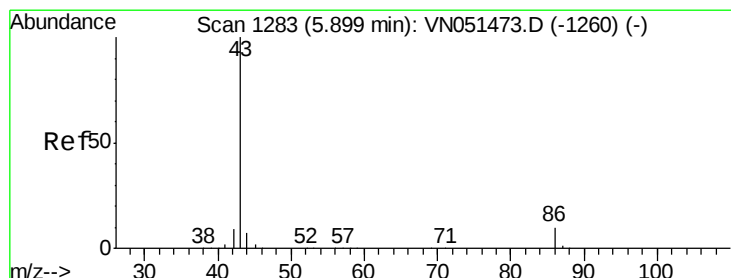
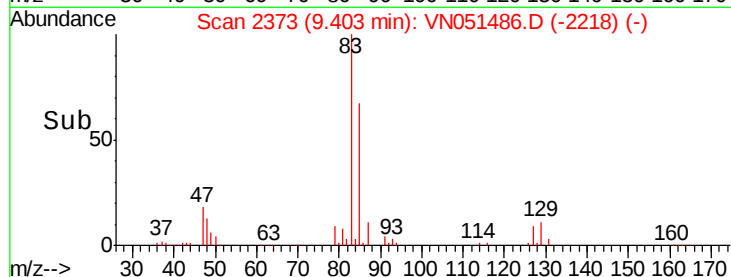
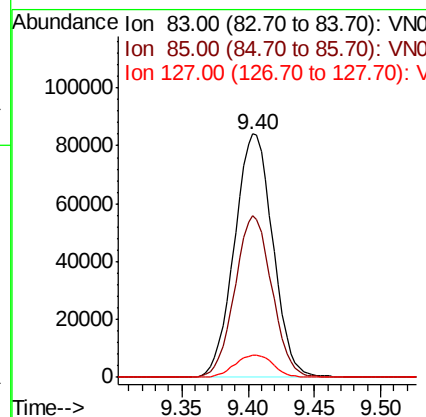
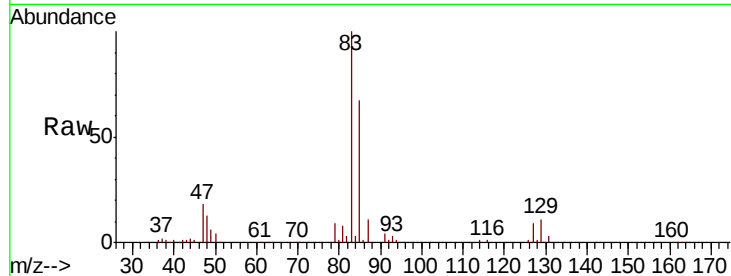
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	169146
Ion	Ratio	Lower	Upper
83	100		
85	66.6	55.7	83.5
127	9.0	8.2	12.4

Manual Integrations
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#42

Vinyl Acetate

Concen: 119.879 ug/l

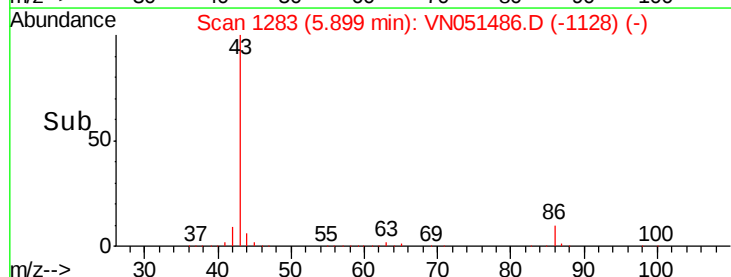
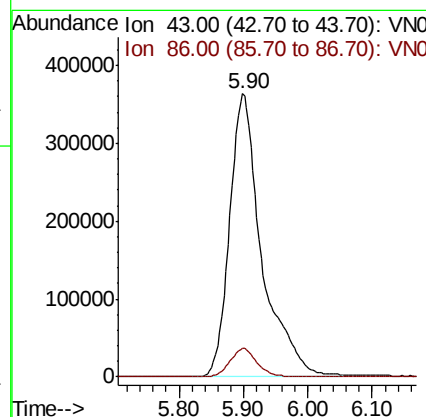
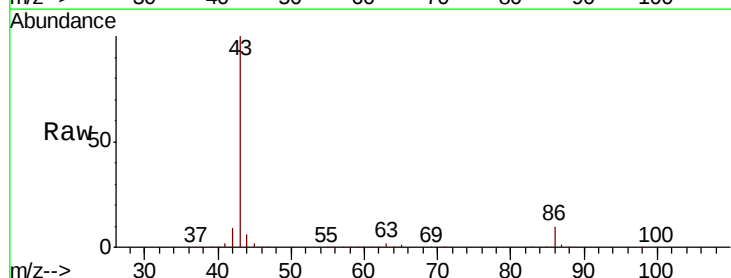
RT: 5.90 min Scan# 1283

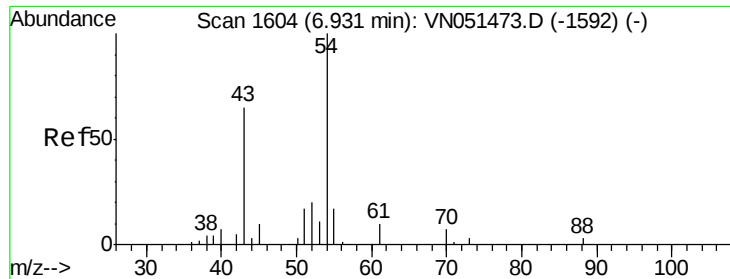
Delta R.T. -0.00 min

Lab File: VN051486.D

Acq: 25 Sep 2018 15:44

Tgt Ion:	43	Resp:	1263378
Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.5	9.7





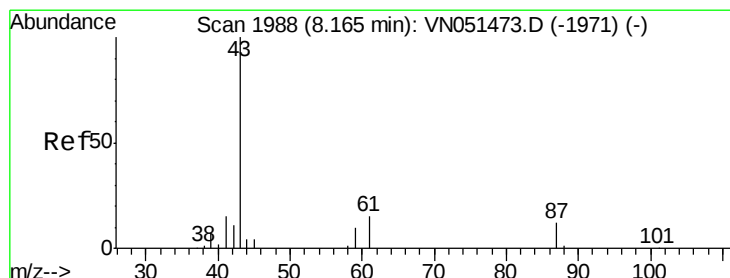
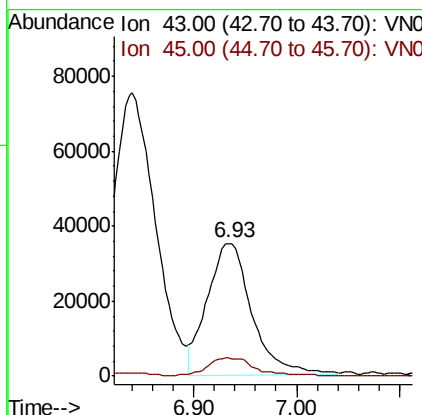
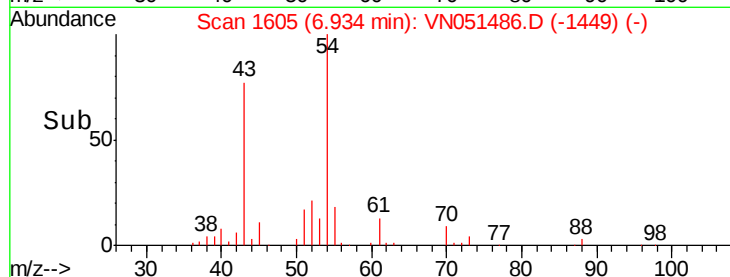
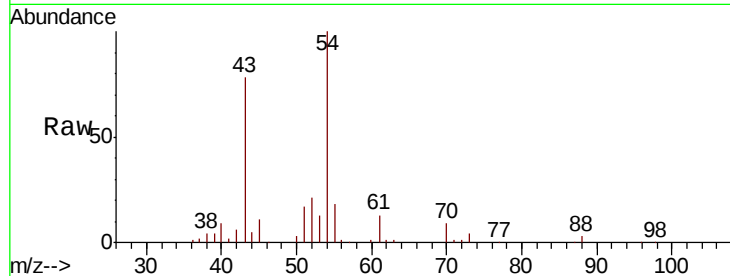
#43
Ethyl Acetate
Concen: 26.839 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 105840
Ion Ratio Lower Upper
43 100
45 7.9 11.0 16.6#

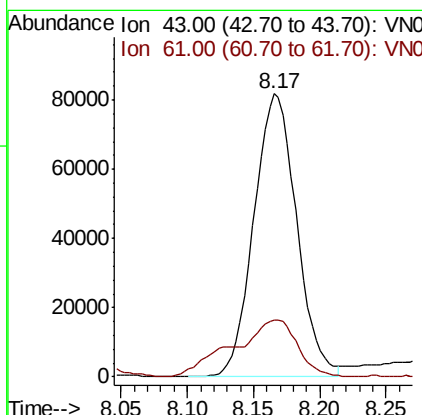
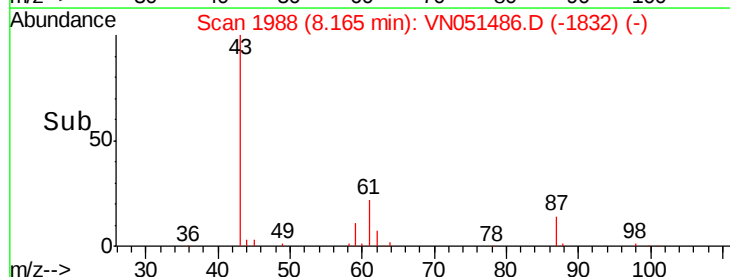
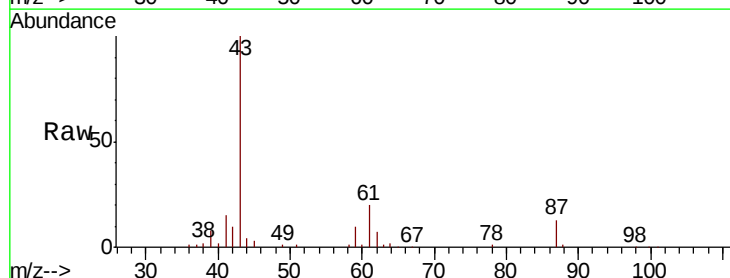
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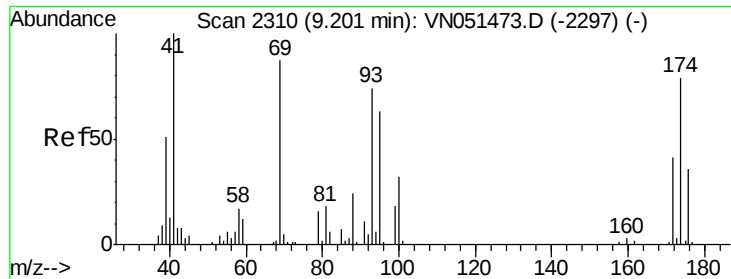
MMDadoda
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#44
Isopropyl Acetate
Concen: 24.246 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Tgt Ion: 43 Resp: 183889
Ion Ratio Lower Upper
43 100
61 20.4 15.9 23.9





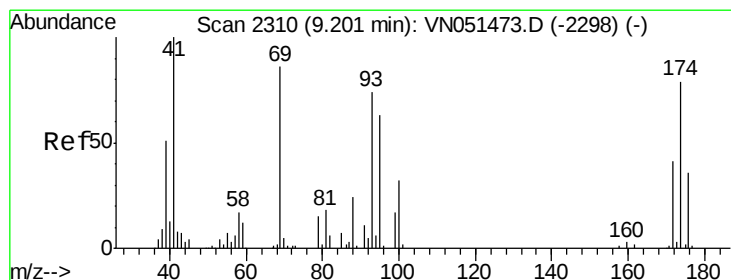
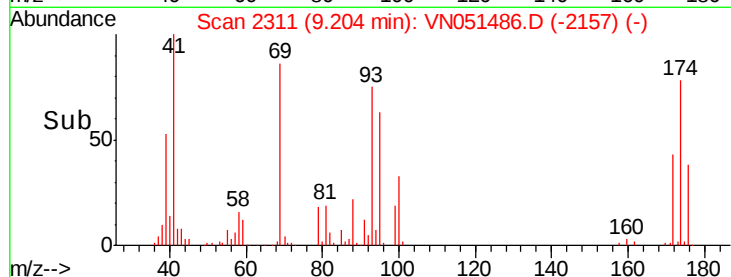
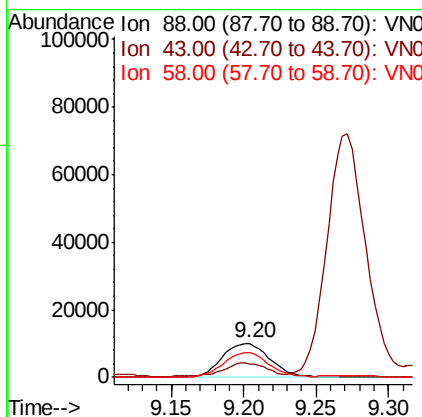
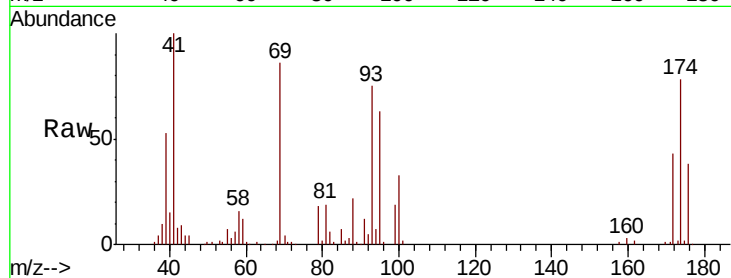
#45
 1,4-Dioxane
 Concen: 497.037 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN051486.D
 Acq: 25 Sep 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	26.2	39.2
58	69.1	65.6	98.4

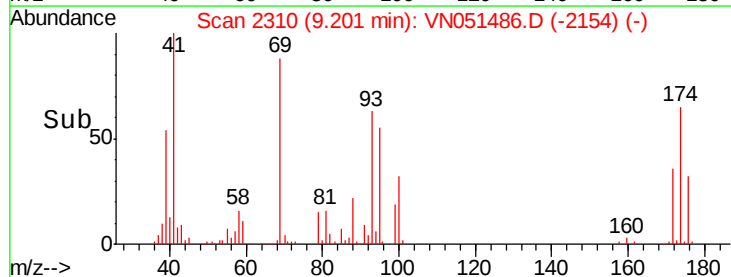
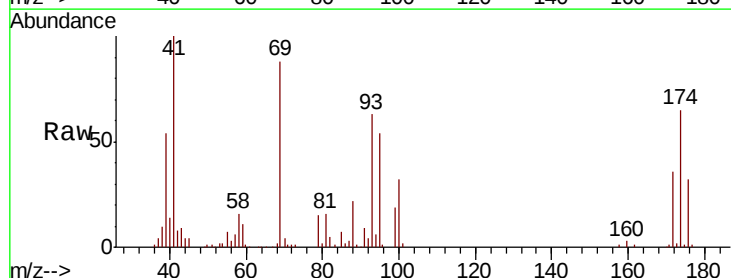
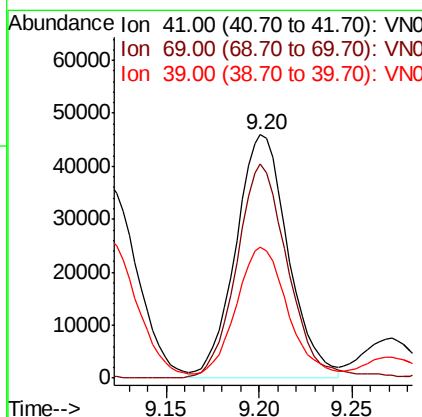
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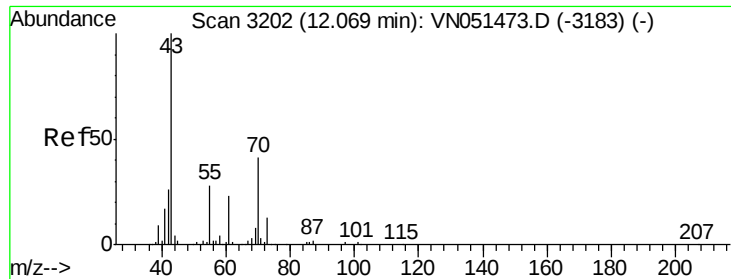
MMDadoda
 10/1/2018 11:21:34 AM



#46
 Methyl methacrylate
 Concen: 23.946 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051486.D
 Acq: 25 Sep 2018 15:44

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.3	40.7	122.1
39	53.3	27.3	81.9





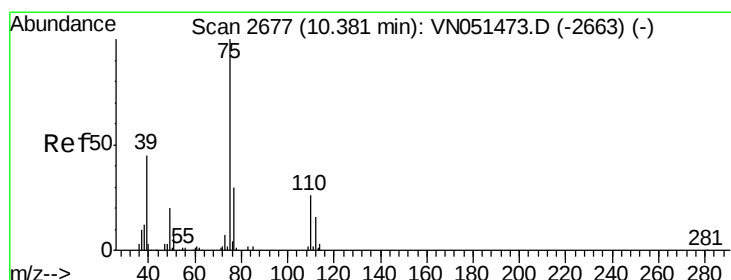
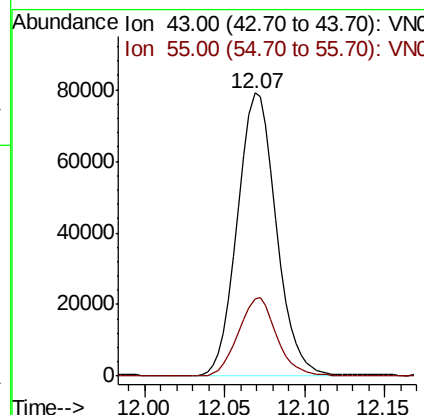
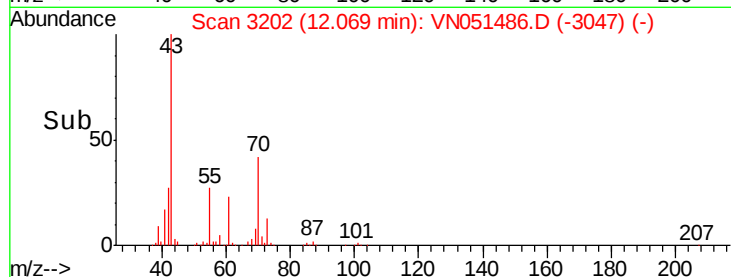
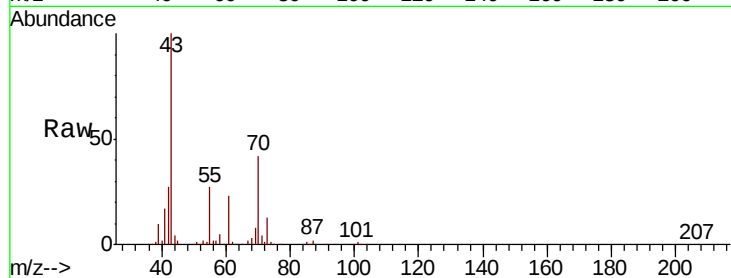
#47
n-amvl Acetate
Concen: 21.500 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 130305
Ion Ratio Lower Upper
43 100
55 27.5 12.2 18.4#

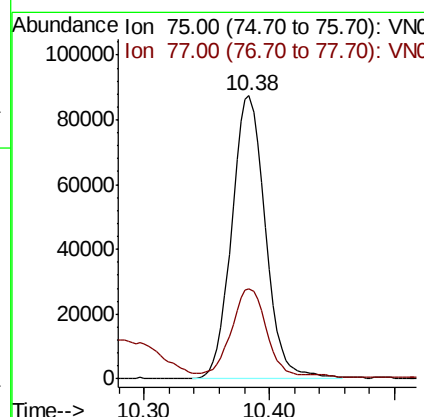
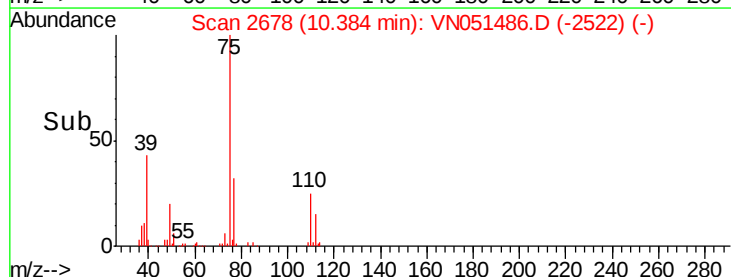
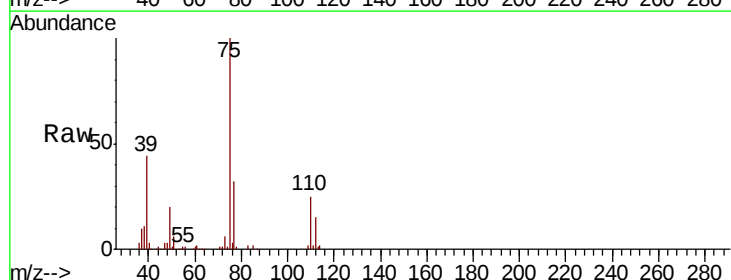
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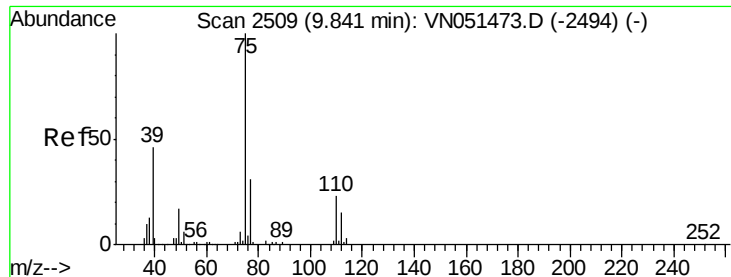
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#48
t-1,3-Dichloropropene
Concen: 22.195 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Tgt Ion: 75 Resp: 163436
Ion Ratio Lower Upper
75 100
77 31.3 24.6 37.0





#49

cis-1,3-Dichloropropene

Concen: 22.981 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051486.D

Acq: 25 Sep 2018 15:44

Instrument :

MSVOA_N

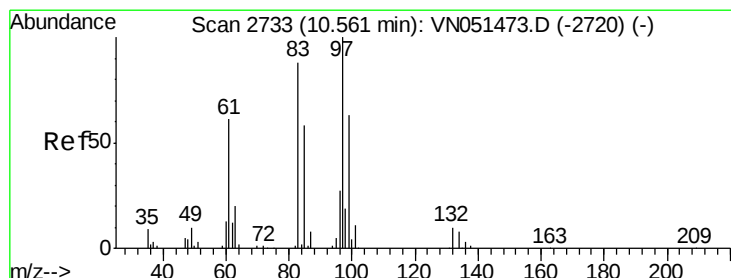
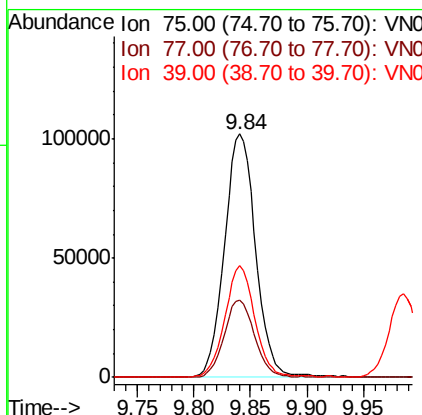
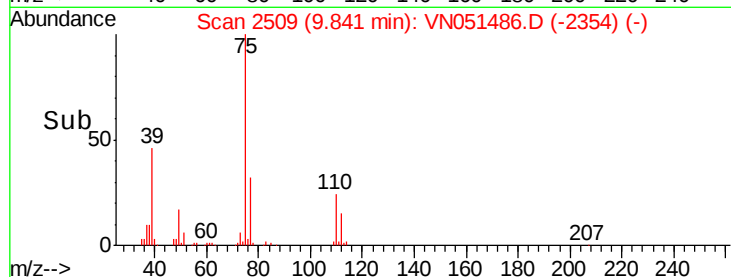
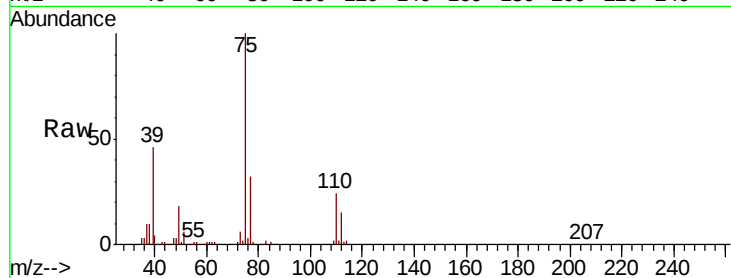
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	195879
Ion	Ratio	Lower	Upper
75	100		
77	31.8	23.2	34.8
39	45.7	34.6	52.0

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#50

1,1,2-Trichloroethane

Concen: 23.617 ug/l

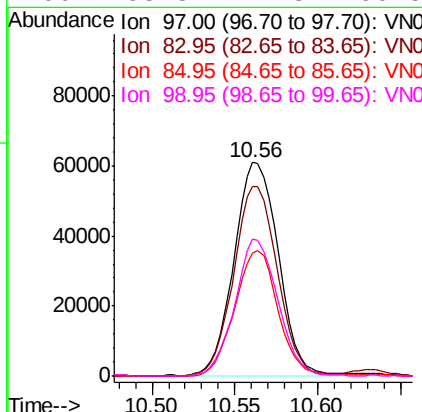
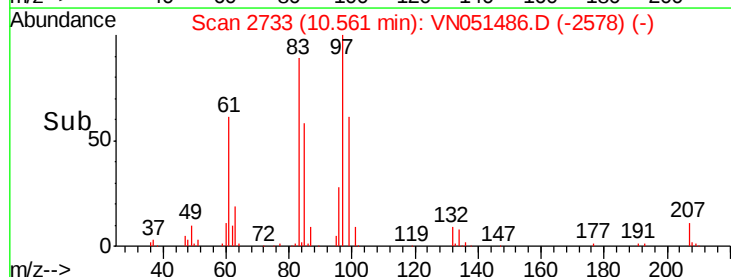
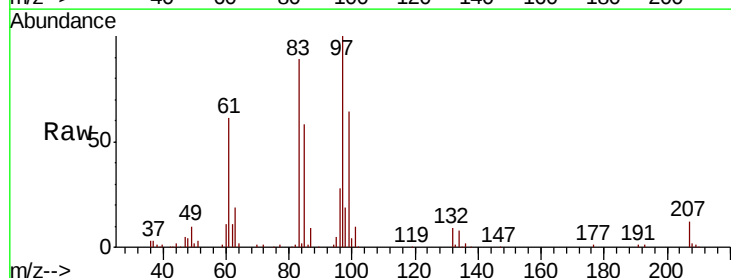
RT: 10.56 min Scan# 2733

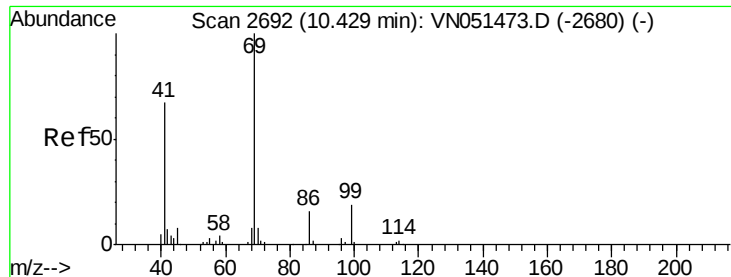
Delta R.T. -0.00 min

Lab File: VN051486.D

Acq: 25 Sep 2018 15:44

Tgt Ion:	97	Resp:	113893
Ion	Ratio	Lower	Upper
97	100		
83	88.5	68.2	102.4
85	57.6	42.5	63.7
99	63.8	44.3	66.5





#51

Ethyl methacrylate

Concen: 22.646 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051486.D

Acq: 25 Sep 2018 15:44

Instrument :

MSVOA_N

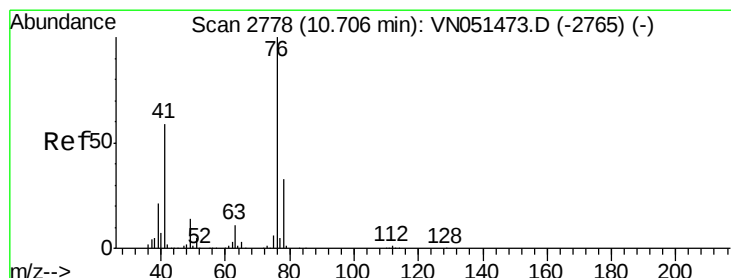
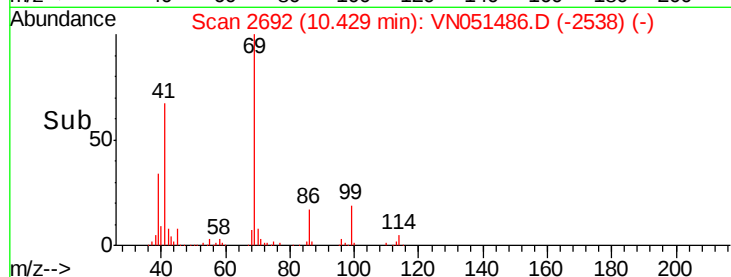
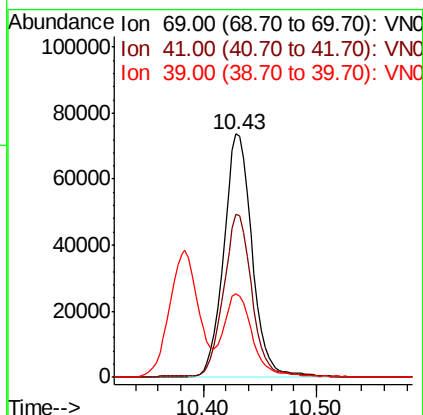
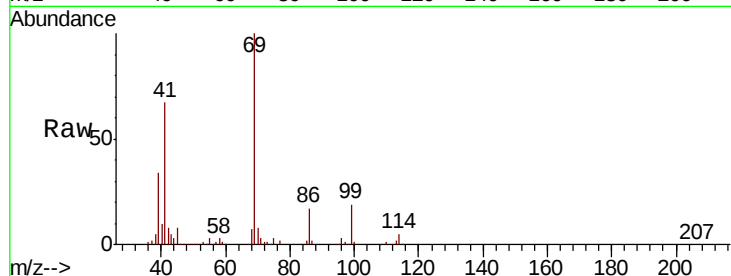
ClientSampled :

VSTDCCC020EC

Tot Ion:	69	Resp:	129252
Ion	Ratio	Lower	Upper
69	100		
41	66.7	34.4	103.1
39	34.0	16.3	48.8

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#52

1,3-Dichloropropane

Concen: 23.547 ug/l

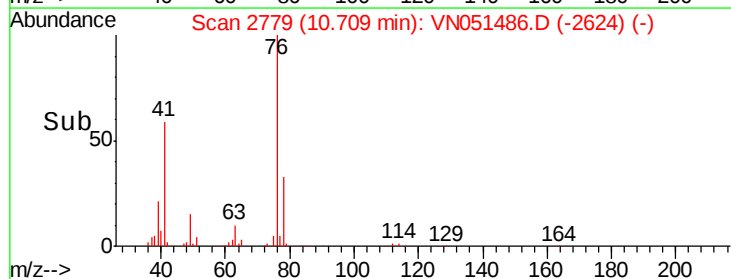
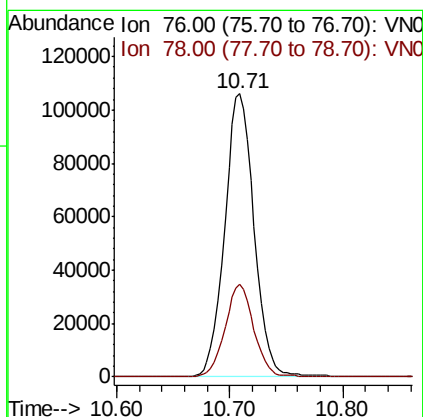
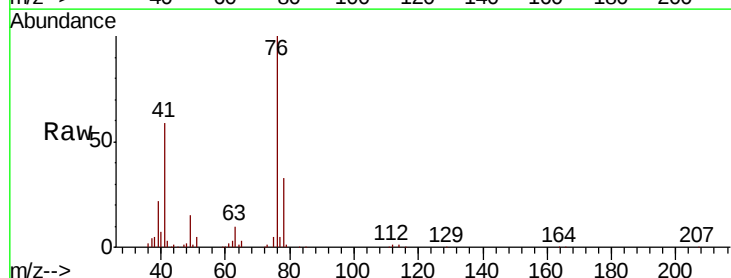
RT: 10.71 min Scan# 2779

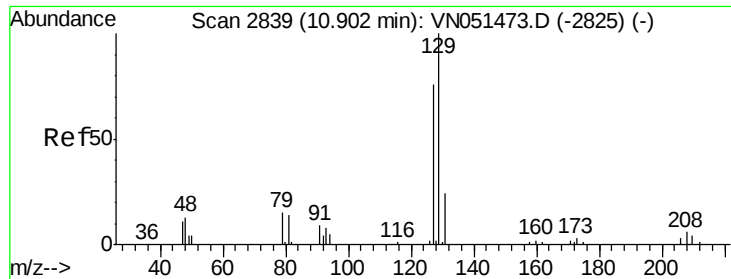
Delta R.T. -0.00 min

Lab File: VN051486.D

Acq: 25 Sep 2018 15:44

Tgt Ion:	76	Resp:	191576
Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	67.6





#53

Dibromochloromethane

Concen: 23.012 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051486.D

Acq: 25 Sep 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:129 Resp: 127649

Ion Ratio Lower Upper

129 100

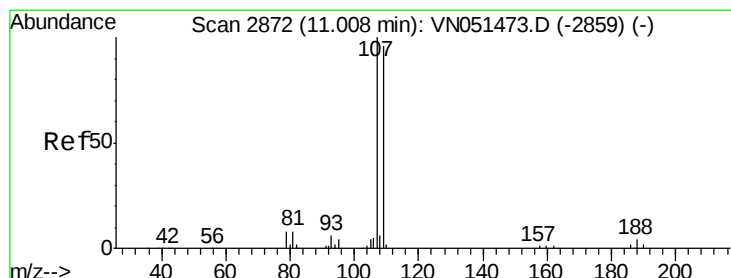
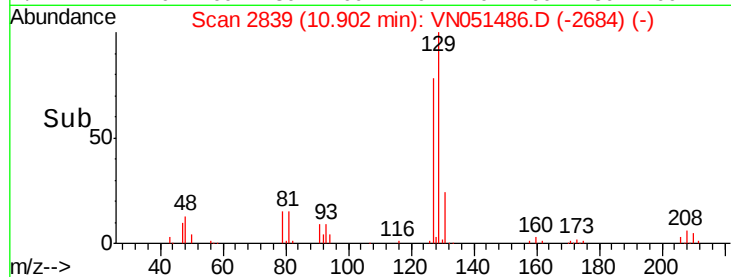
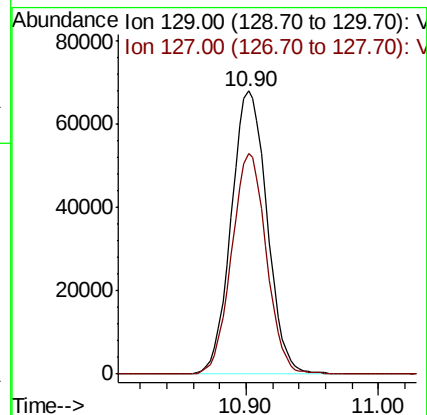
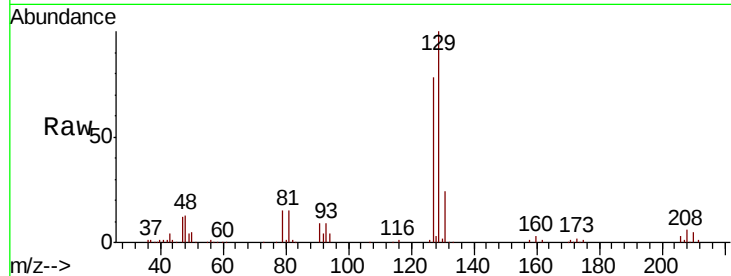
127 75.7 40.2 120.5

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#54

1,2-Dibromoethane

Concen: 22.933 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051486.D

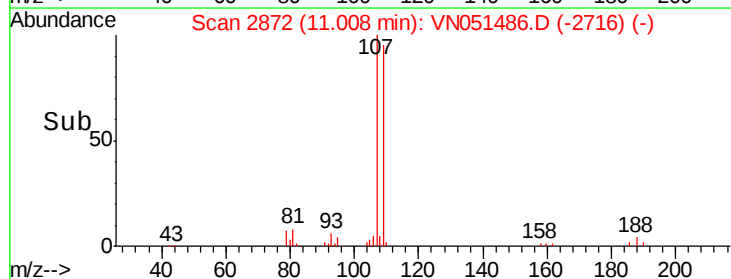
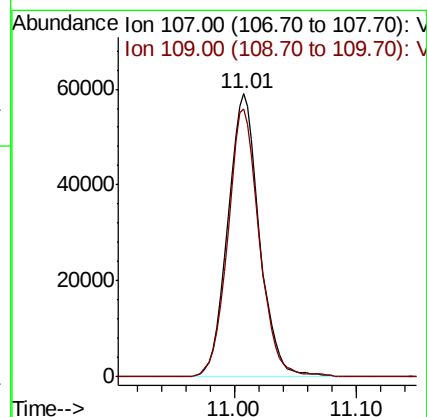
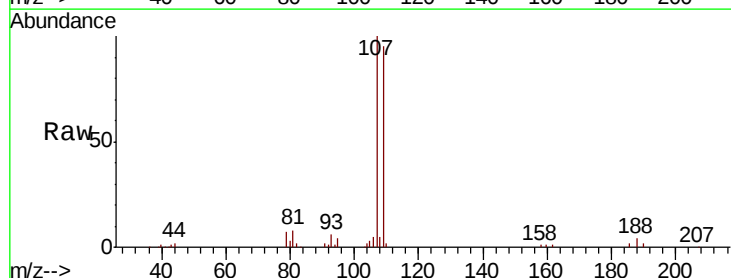
Acq: 25 Sep 2018 15:44

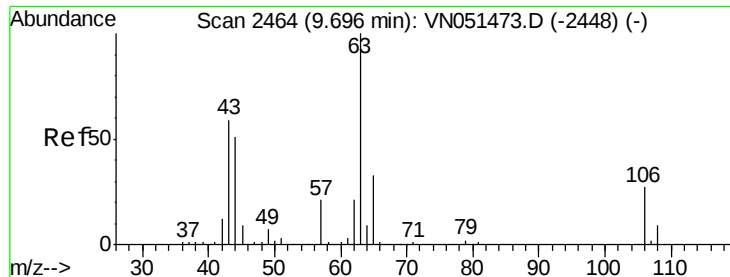
Tgt Ion:107 Resp: 106711

Ion Ratio Lower Upper

107 100

109 94.0 77.4 116.0





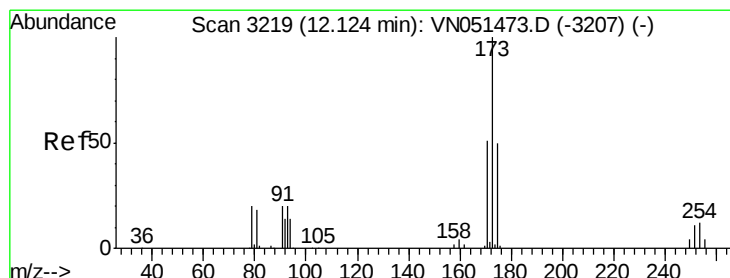
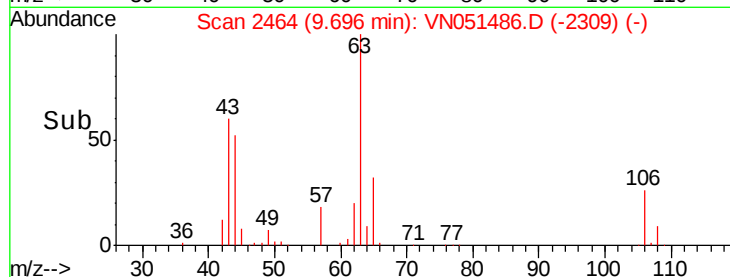
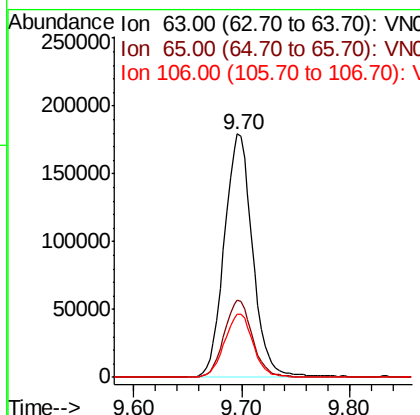
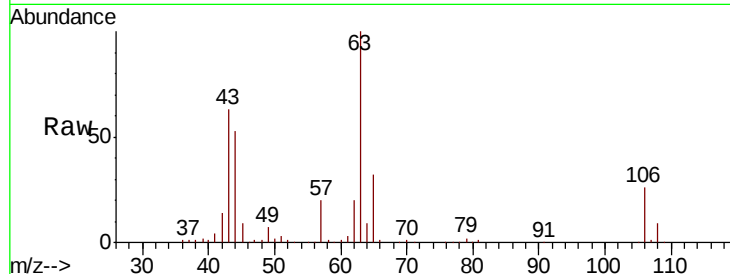
#55
2-Chloroethyl vinyl ether
Concen: 116.683 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	63	Resp:	328847
Ion Ratio	Lower	Upper	
63	100		
65	31.4	25.4	38.0
106	26.3	21.2	31.8

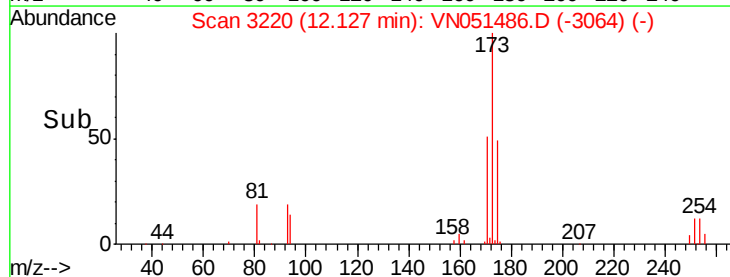
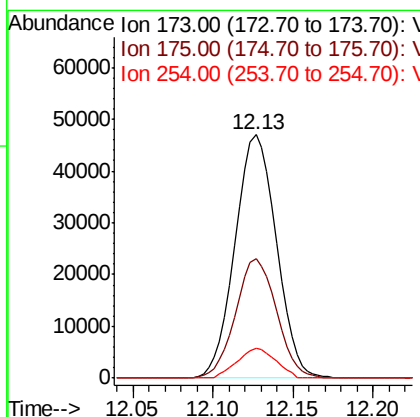
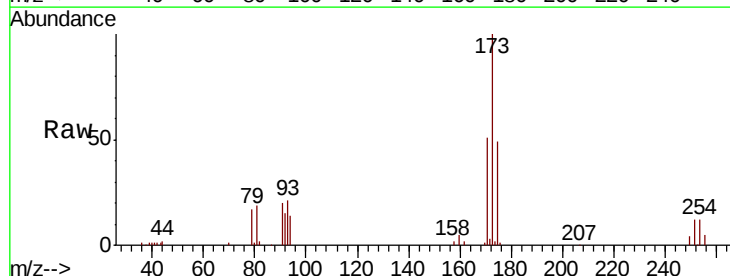
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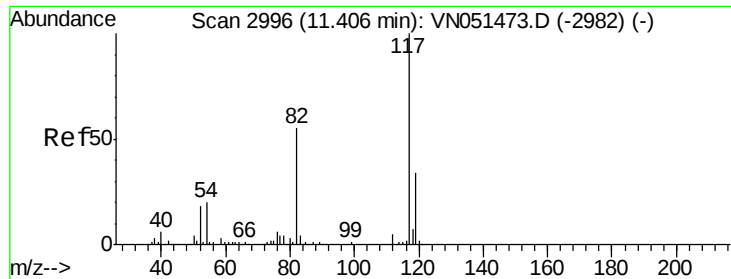
MMDadoda
10/1/2018 11:21:34 AM



#56
Bromoform
Concen: 22.156 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Tgt Ion:	173	Resp:	82858
Ion Ratio	Lower	Upper	
173	100		
175	48.5	35.8	53.8
254	11.3	8.6	13.0





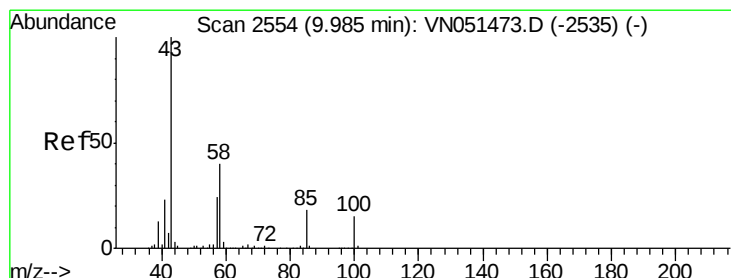
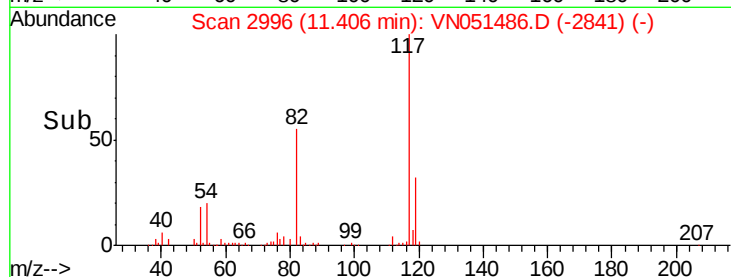
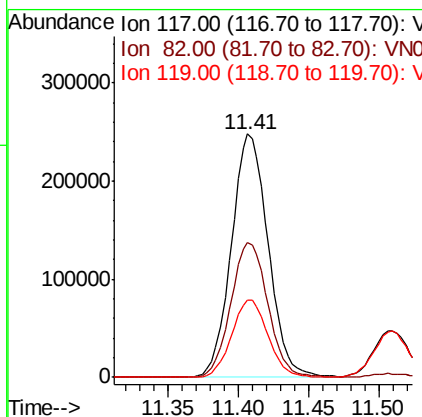
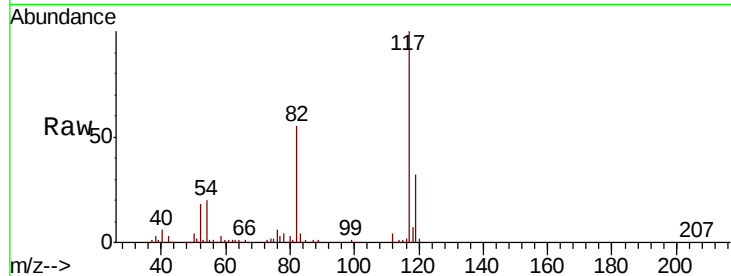
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	452974		
82	55.7		44.1	66.1
119	31.4		25.8	38.8

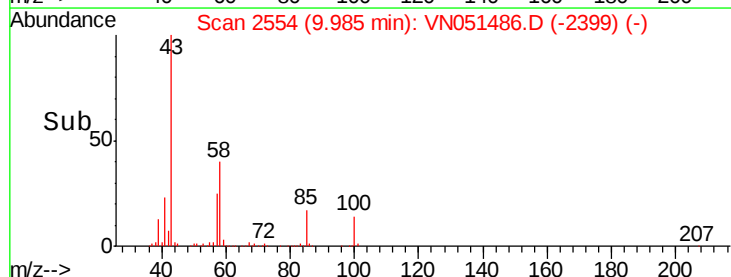
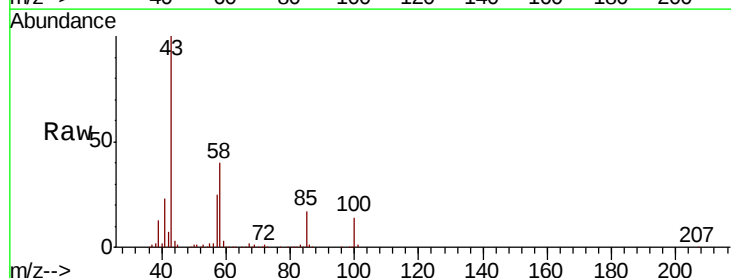
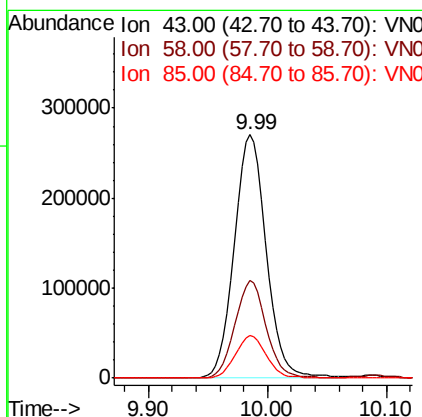
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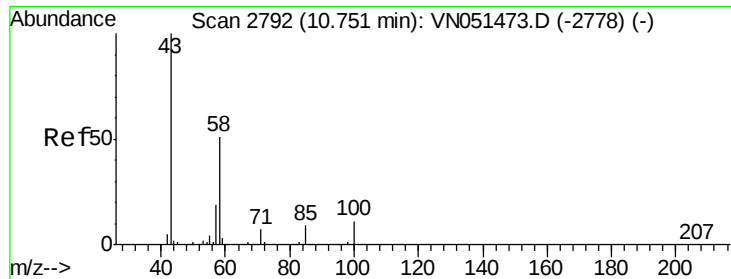
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 126.267 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	502650		
58	39.3		29.3	43.9
85	17.0		12.6	18.8





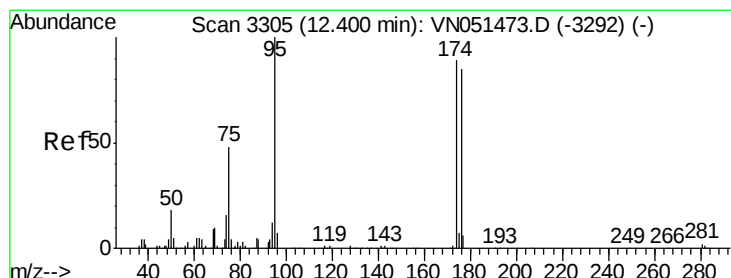
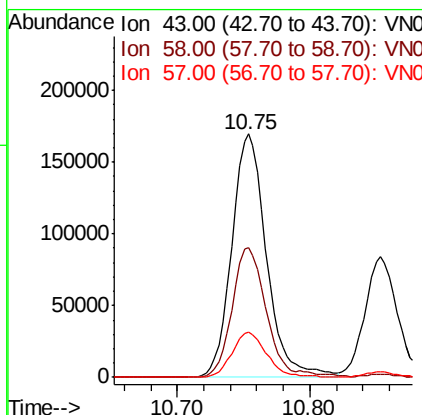
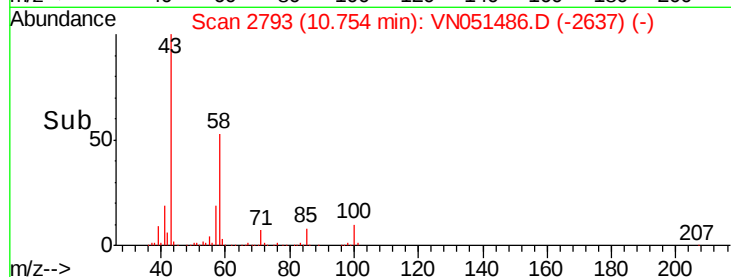
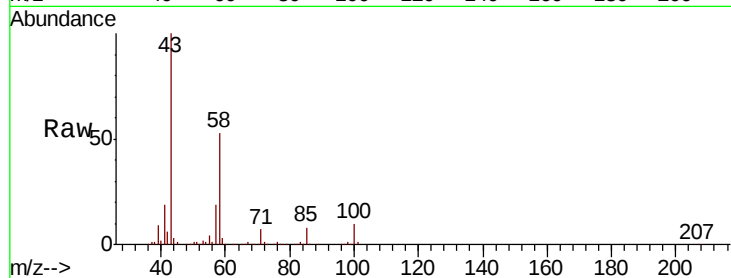
#59
2-Hexanone
Concen: 116.825 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.3	41.3	61.9
57	18.8	13.4	20.0

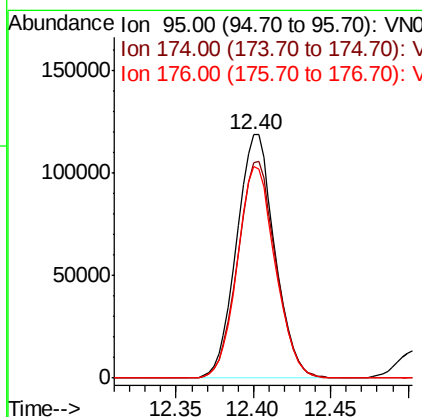
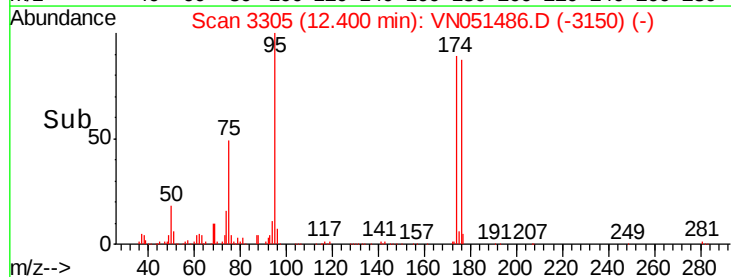
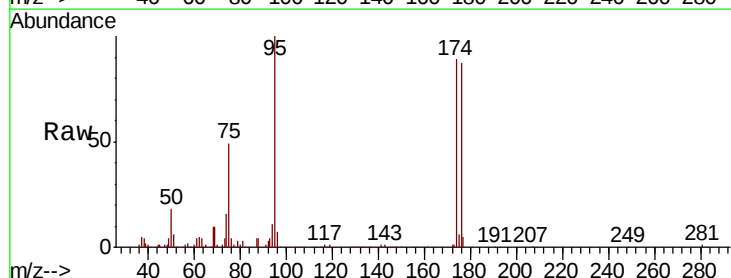
Manual Integrations
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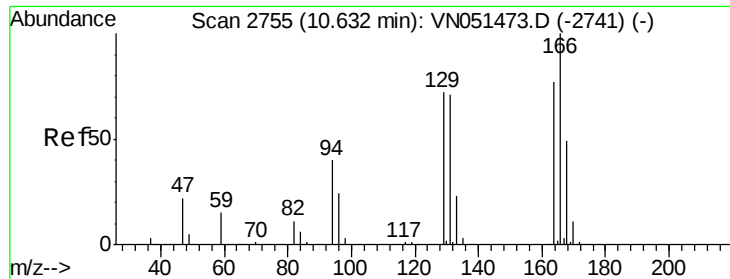
MMDadoda
10/1/2018 11:21:34 AM



#60
4-Bromofluorobenzene
Concen: 30.552 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.8	73.5	110.3
176	86.2	70.2	105.2





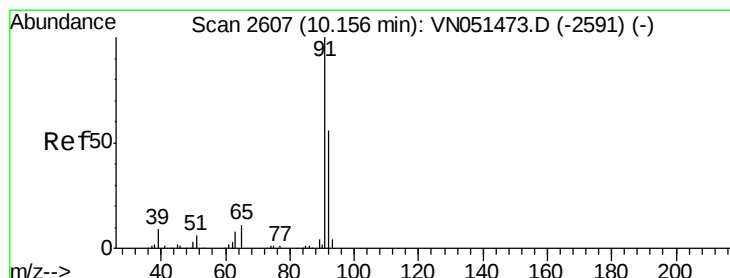
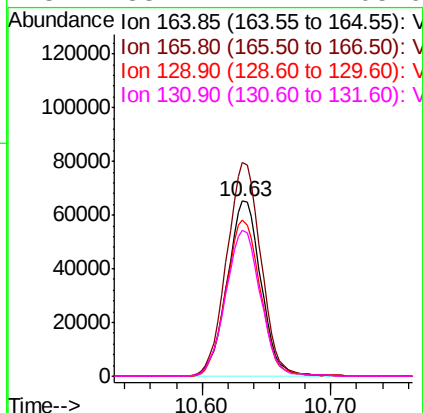
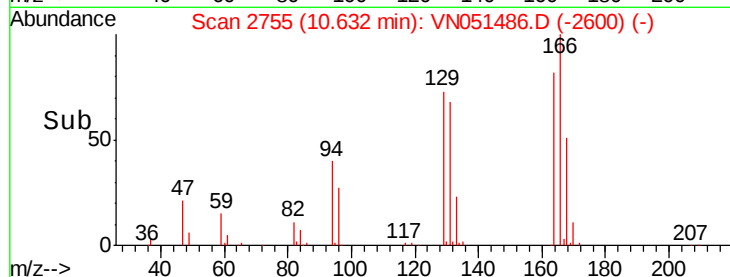
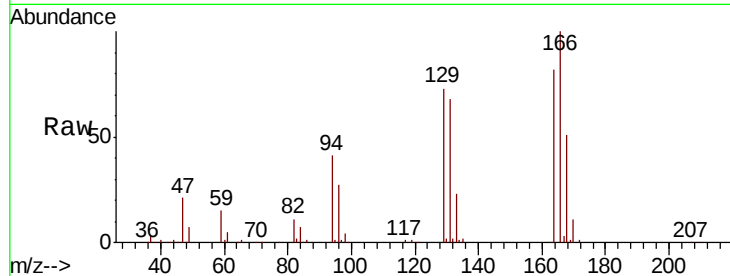
#61
Tetrachloroethene
Concen: 22.495 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	121.7	98.7	148.1
129	89.4	69.6	104.4
131	83.4	72.4	108.6

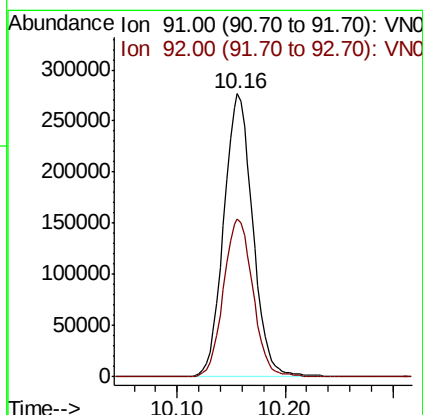
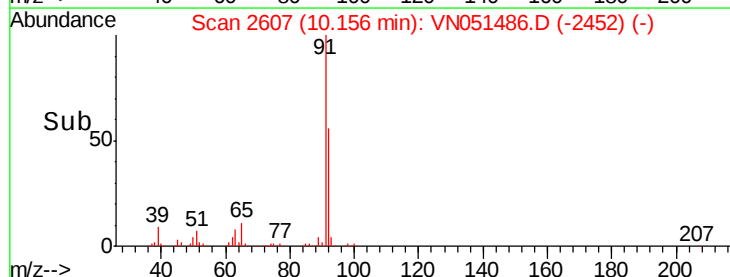
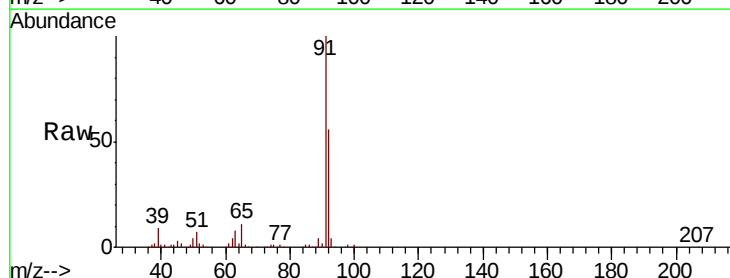
Manual Integrations
APPROVED

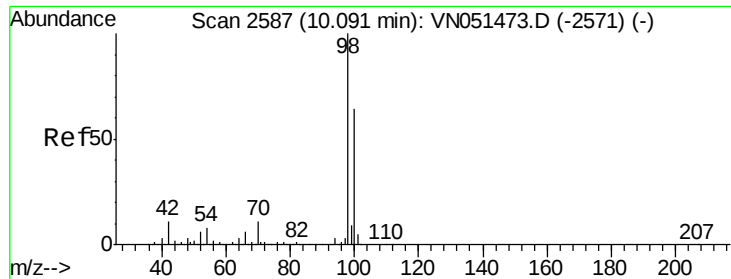
MMDadoda
10/1/2018 11:21:34 AM



#62
Toluene
Concen: 22.311 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.6	44.6	66.8





#63

Toluene-d8

Concen: 30.202 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051486.D

Acq: 25 Sep 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 655939

Ion Ratio Lower Upper

98 100

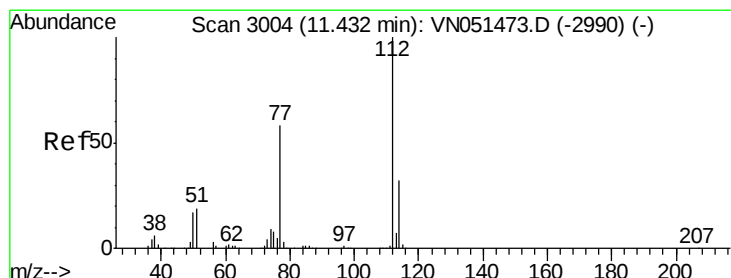
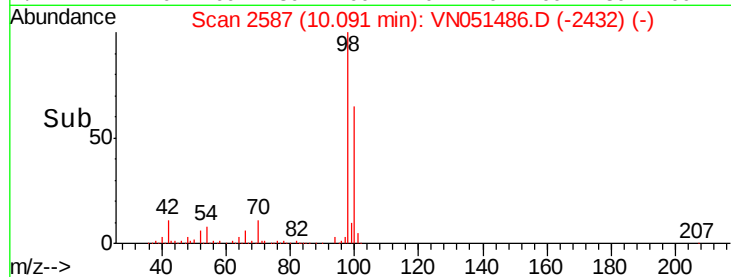
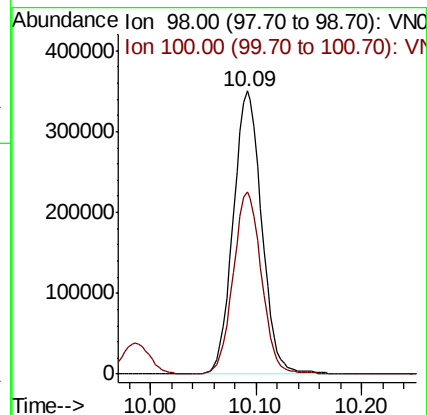
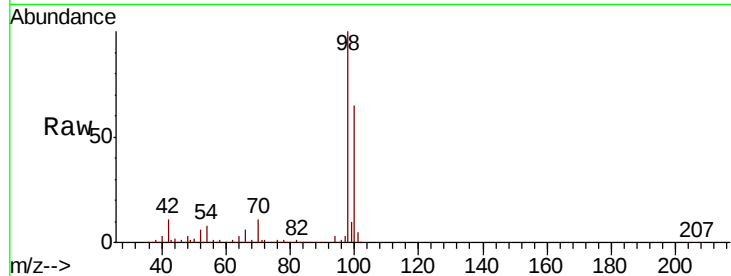
100 63.8 50.8 76.2

Manual Integrations

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#64

Chlorobenzene

Concen: 22.397 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051486.D

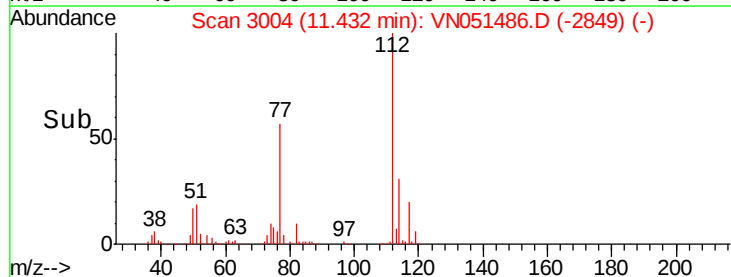
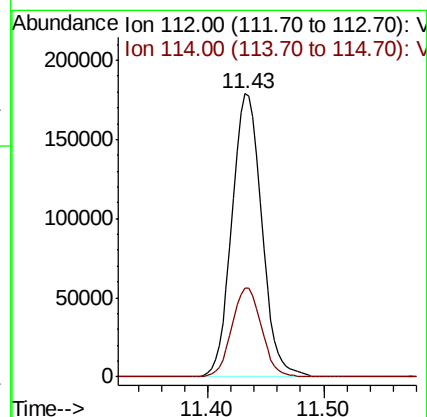
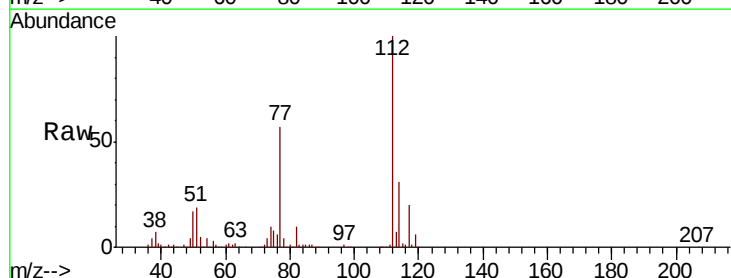
Acq: 25 Sep 2018 15:44

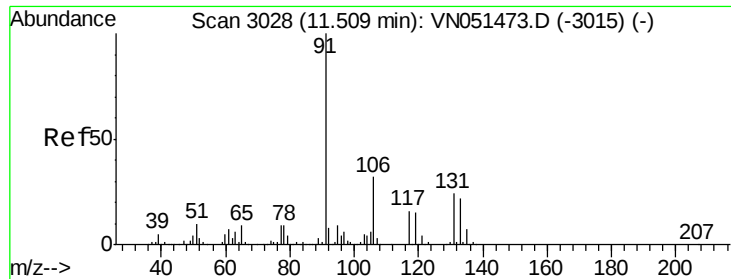
Tgt Ion: 112 Resp: 318427

Ion Ratio Lower Upper

112 100

114 31.4 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 22.713 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051486.D

Acq: 25 Sep 2018 15:44

Instrument :

MSVOA_N

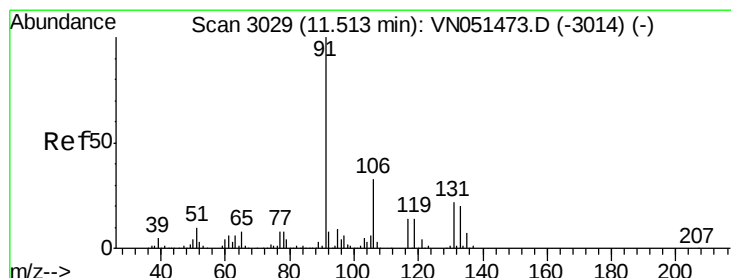
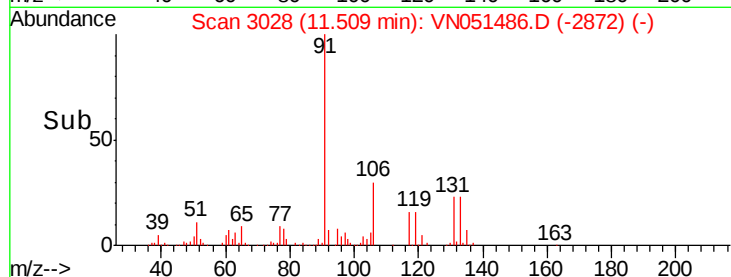
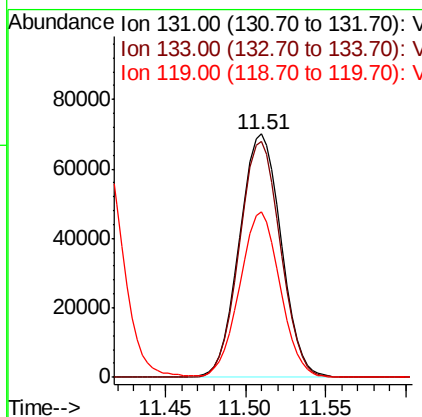
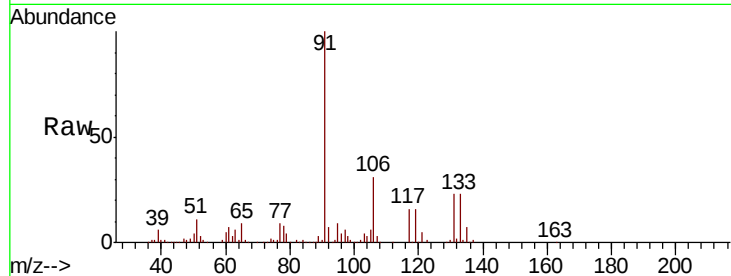
ClientSampleId :

VSTDCCC020EC

Tot Ion:	131	Resp:	124847
Ion Ratio	Lower	Upper	
131	100		
133	95.3	0.0	190.4
119	65.8	0.0	128.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 21.645 ug/l

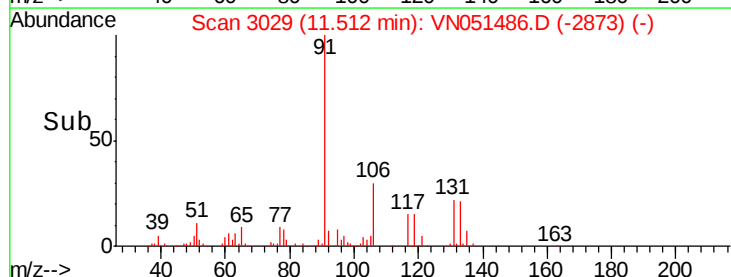
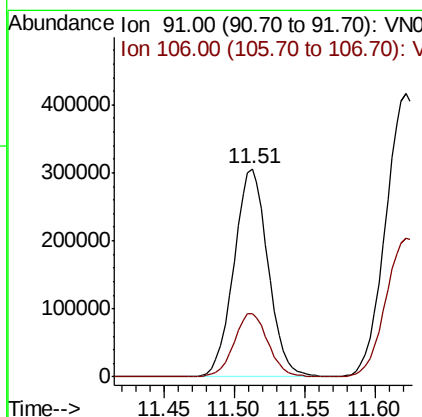
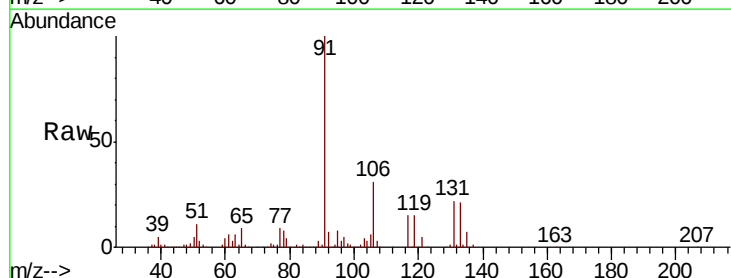
RT: 11.51 min Scan# 3029

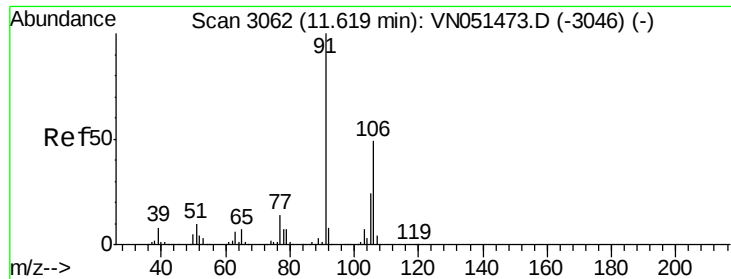
Delta R.T. 0.00 min

Lab File: VN051486.D

Acq: 25 Sep 2018 15:44

Tgt Ion:	91	Resp:	517820
Ion Ratio	Lower	Upper	
91	100		
106	30.7	25.9	38.9





#67

m/p-Xylenes

Concen: 43.596 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051486.D

Acq: 25 Sep 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:106 Resp: 401504

Ion Ratio Lower Upper

106 100

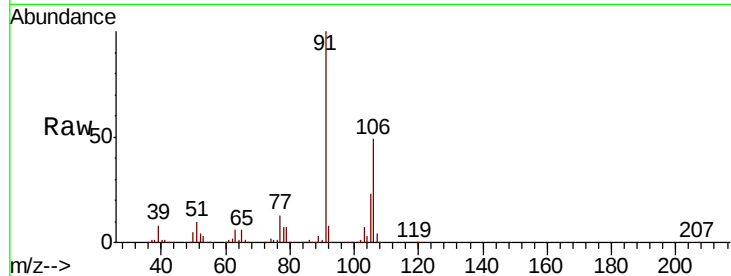
91 202.5 158.8 238.2

Manual Integrations

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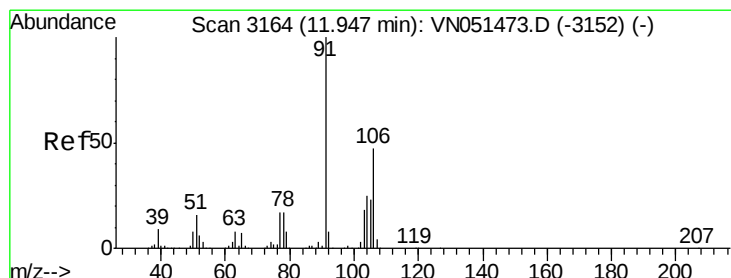
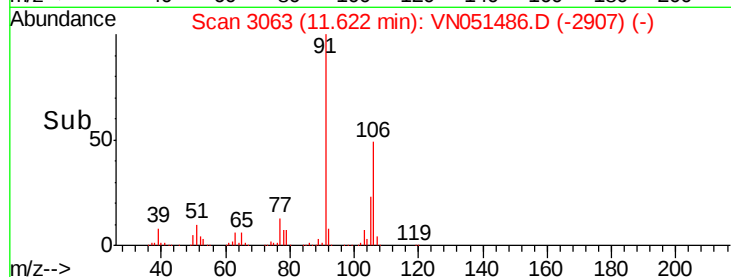
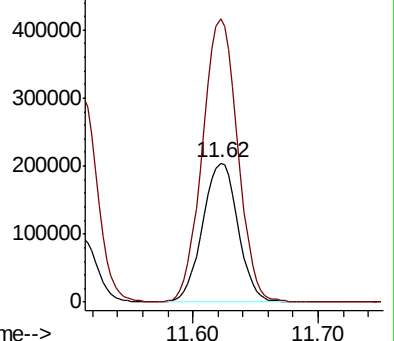
MMDadoda

10/1/2018 11:21:34 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 22.239 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN051486.D

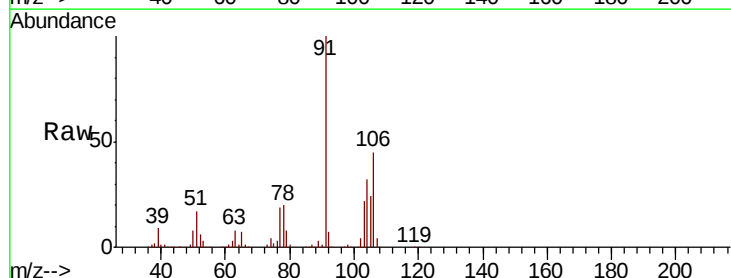
Acq: 25 Sep 2018 15:44

Tgt Ion:106 Resp: 195068

Ion Ratio Lower Upper

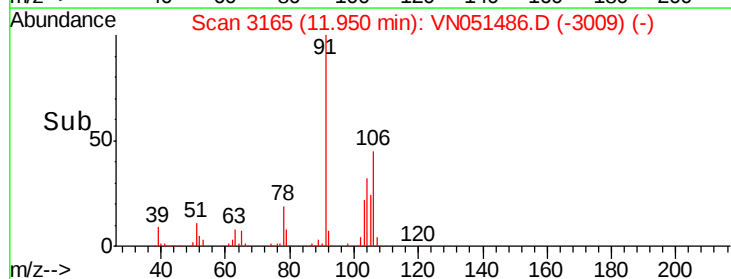
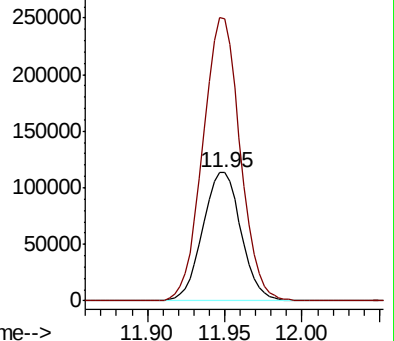
106 100

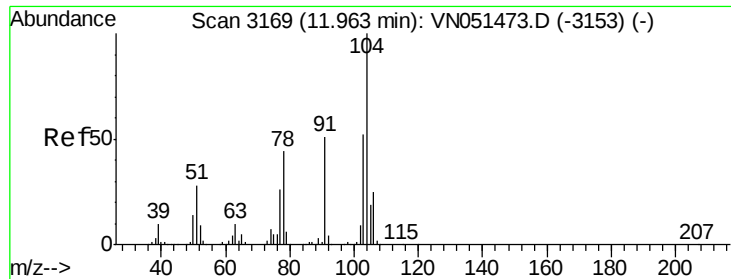
91 214.6 111.1 333.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





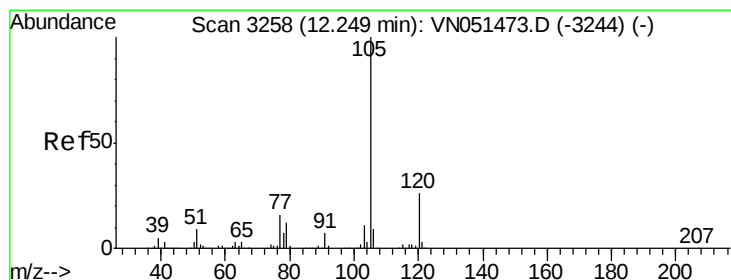
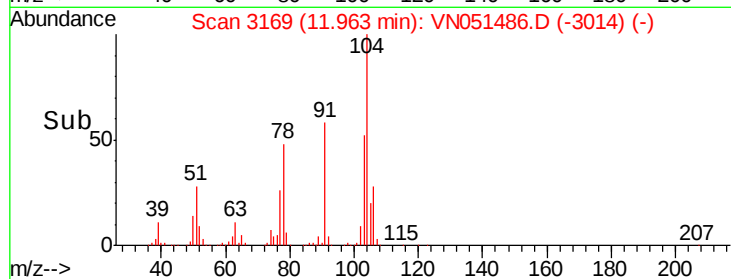
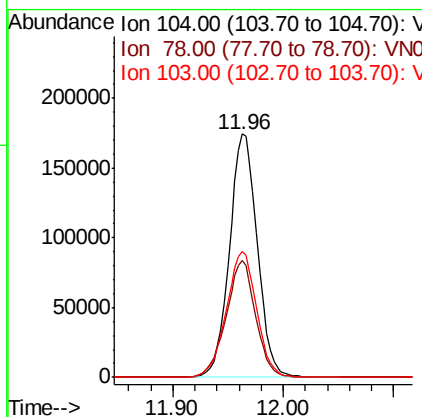
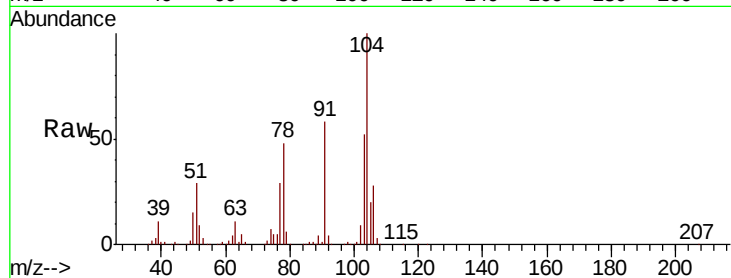
#69
Stvrene
Concen: 22.025 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
104	100	305176		
78	50.8		40.6	60.8
103	56.2		44.0	66.0

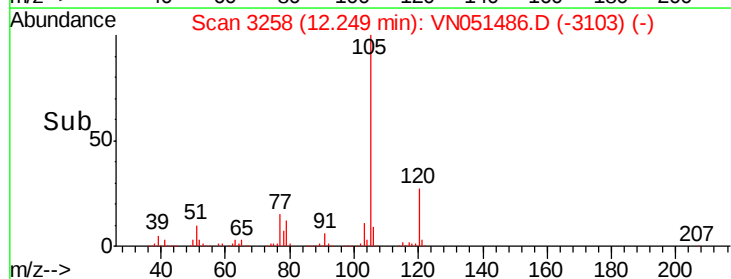
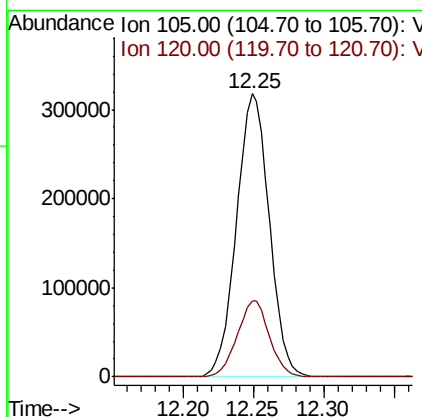
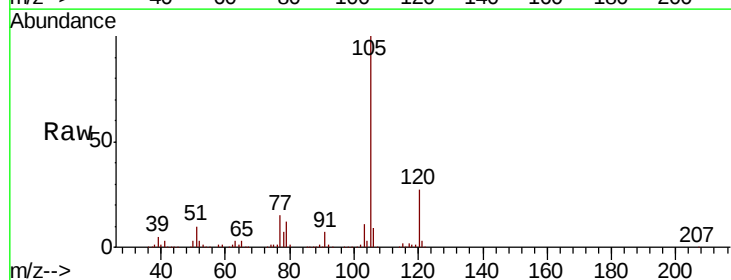
Manual Integrations
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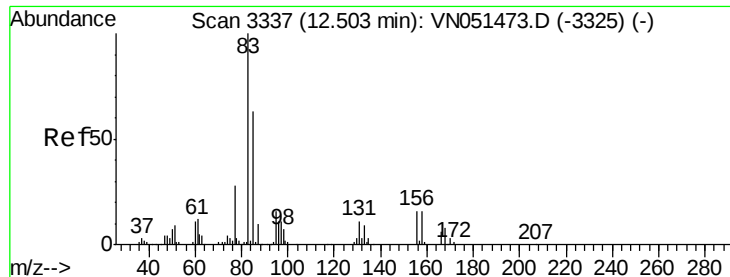
MMDadoda
10/1/2018 11:21:34 AM



#70
Isopropylbenzene
Concen: 22.039 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	517372		
120	26.3		19.0	35.4





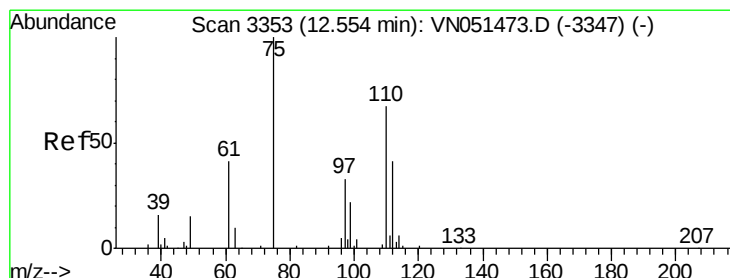
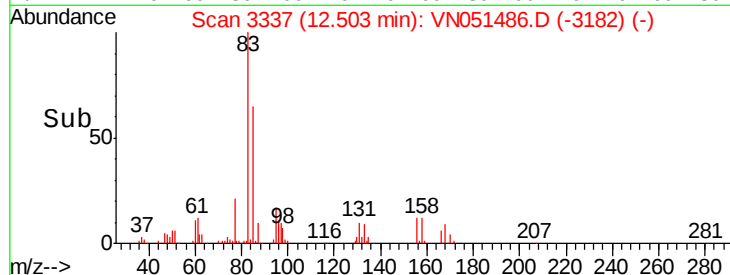
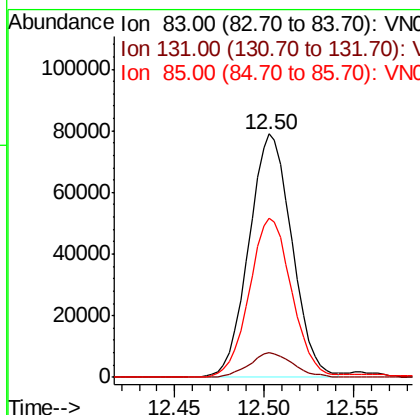
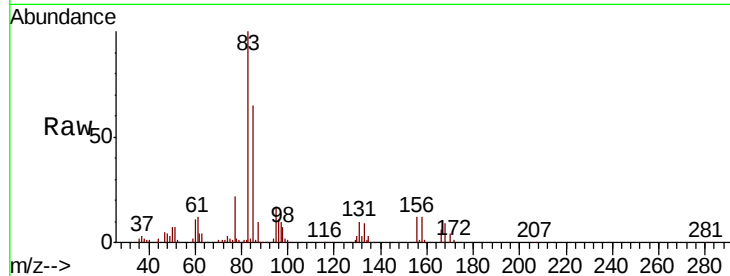
#71
 1,1,2,2-Tetrachloroethane
 Concen: 24.100 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051486.D
 Acq: 25 Sep 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.5	16.4
85	64.5	30.6	91.8

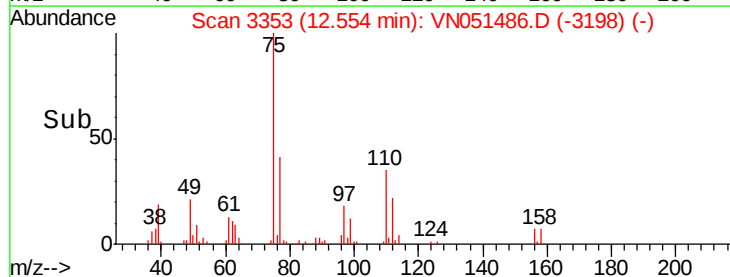
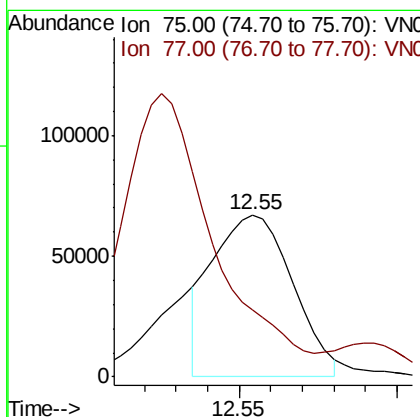
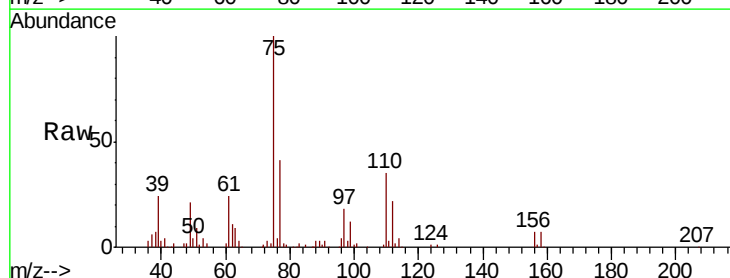
Manual Integrations
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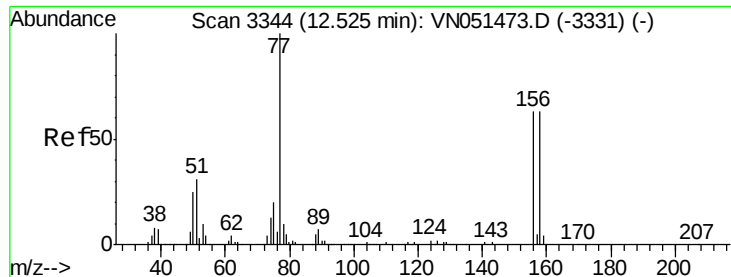
MMDadoda
 10/1/2018 11:21:34 AM



#72
 1,2,3-Trichloropropane
 Concen: 27.220 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN051486.D
 Acq: 25 Sep 2018 15:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	202.4	0.0	400.0





#73

Bromobenzene

Concen: 21.747 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051486.D

Acq: 25 Sep 2018 15:44

Instrument :

MSVOA_N

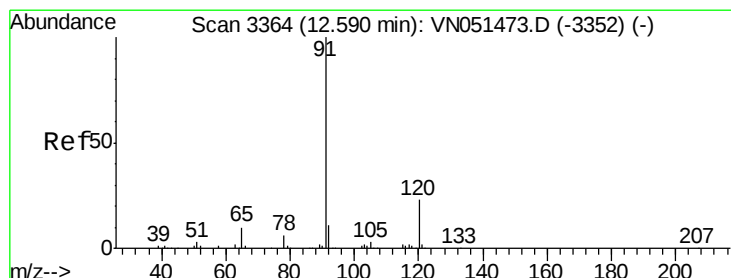
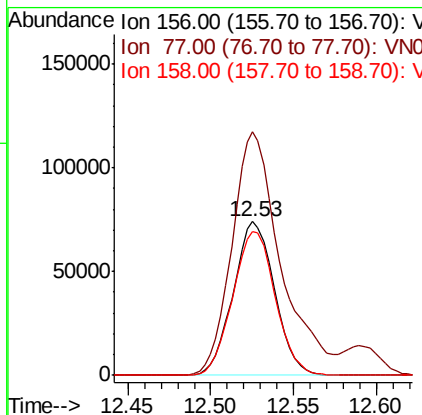
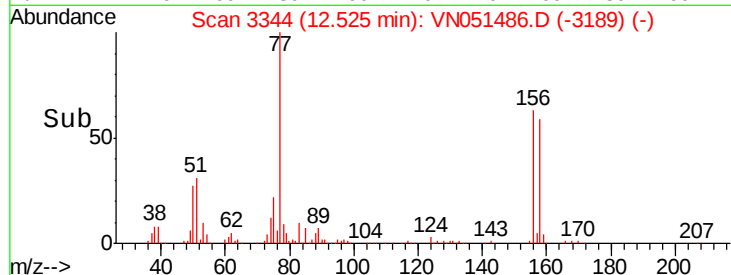
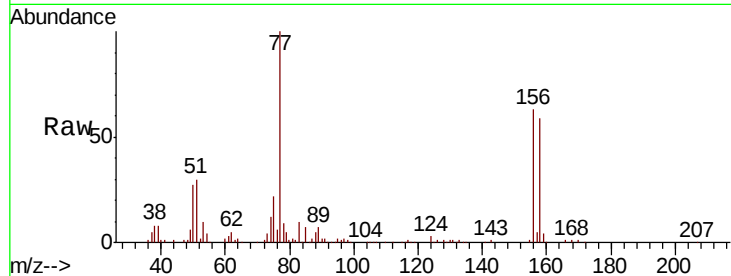
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	128663
Ion Ratio	Lower	Upper	
156	100		
77	186.6	0.0	377.4
158	96.2	0.0	203.0

Manual Integrations
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#74

n-propylbenzene

Concen: 21.101 ug/l

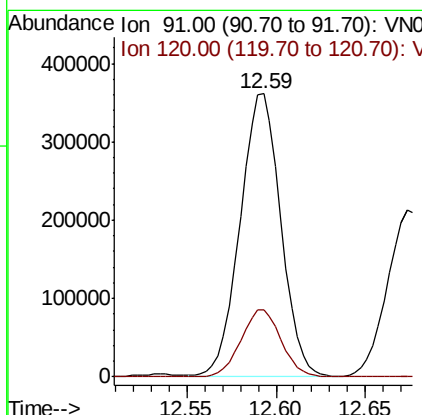
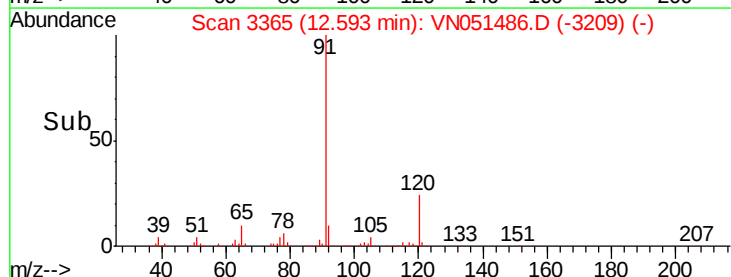
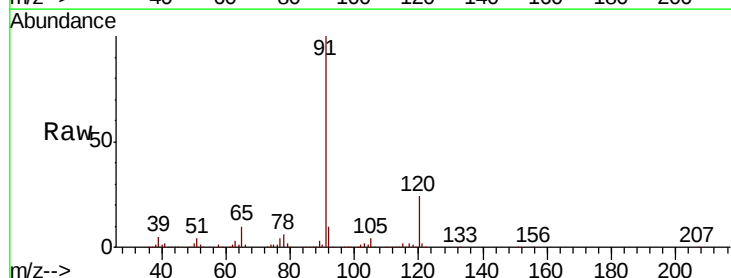
RT: 12.59 min Scan# 3365

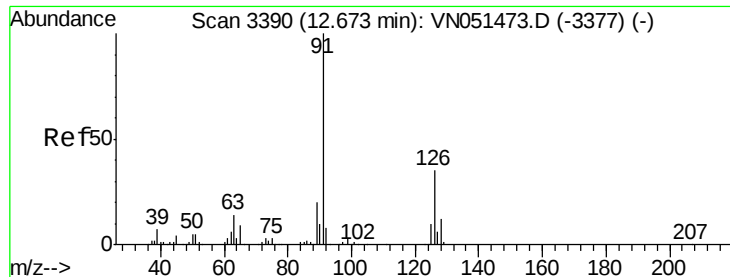
Delta R.T. 0.00 min

Lab File: VN051486.D

Acq: 25 Sep 2018 15:44

Tgt Ion:	91	Resp:	575883
Ion Ratio	Lower	Upper	
91	100		
120	23.4	0.0	45.0





#75

2-Chlorotoluene

Concen: 22.179 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051486.D

Acq: 25 Sep 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 357219

Ion Ratio Lower Upper

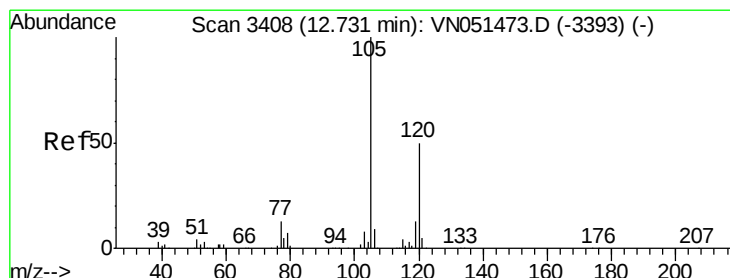
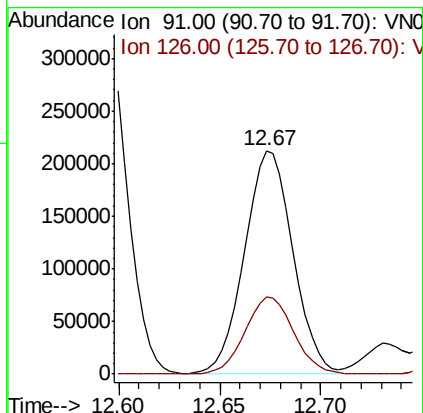
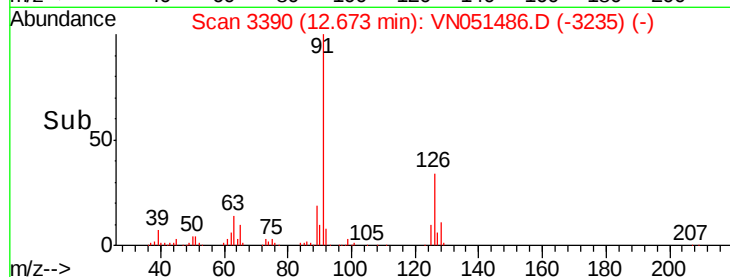
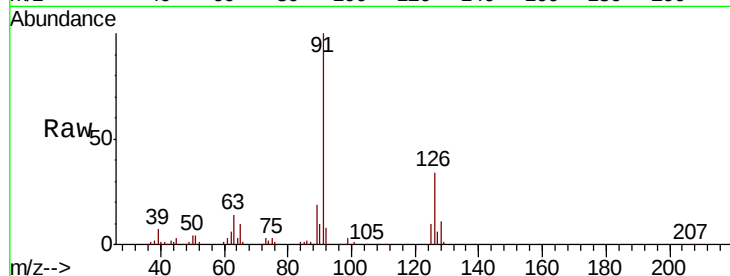
91 100

126 34.7 0.0 67.6

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#76

1,3,5-Trimethylbenzene

Concen: 22.275 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051486.D

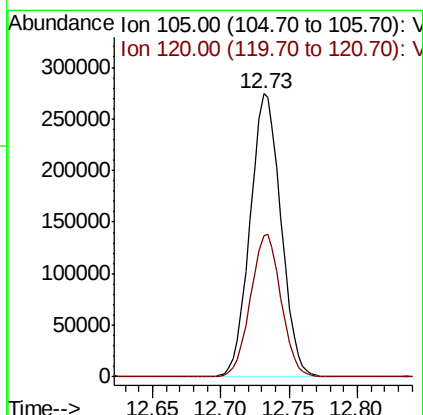
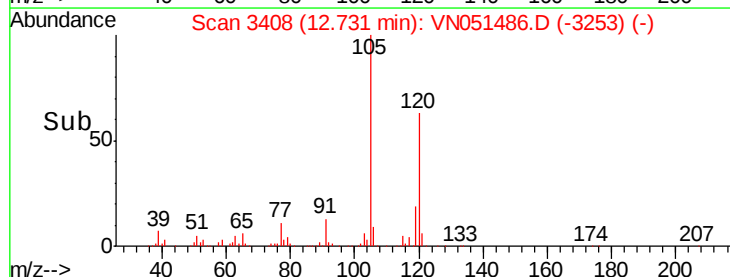
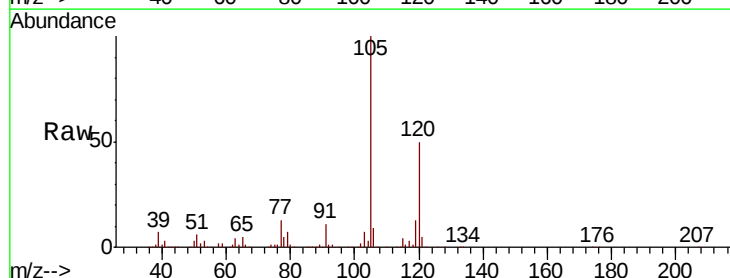
Acq: 25 Sep 2018 15:44

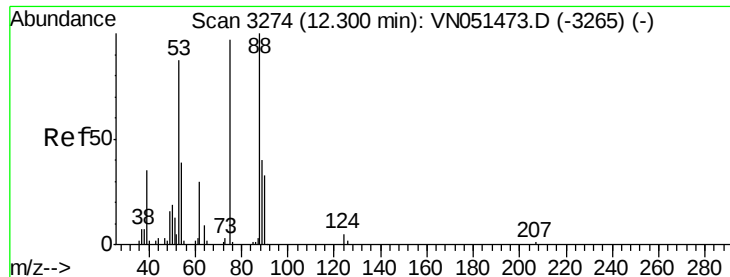
Tgt Ion: 105 Resp: 431469

Ion Ratio Lower Upper

105 100

120 49.8 0.0 98.2





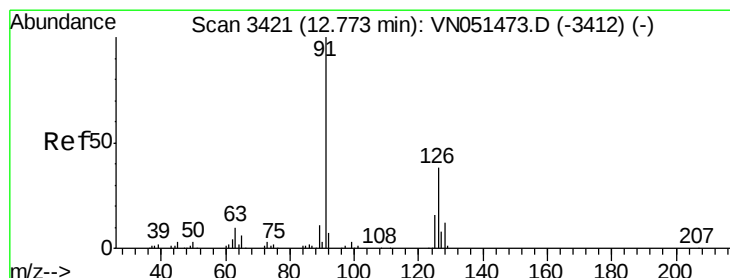
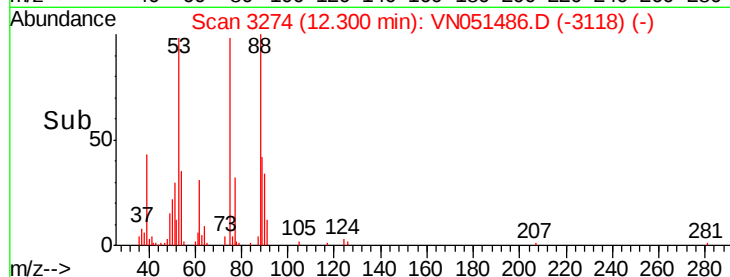
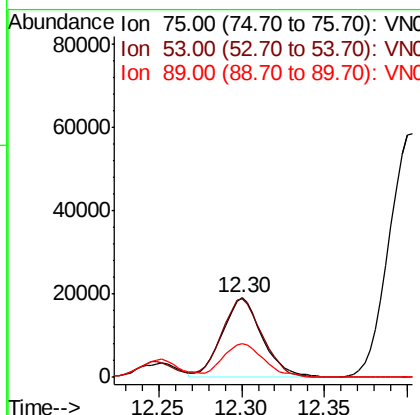
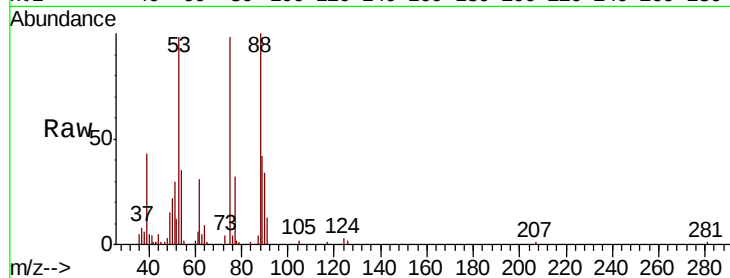
#77
t-1,4-Dichloro-2-butene
Concen: 21.501 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.7	46.3	138.9
89	43.1	24.6	73.8

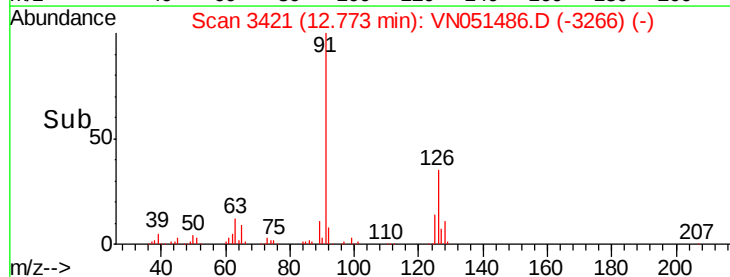
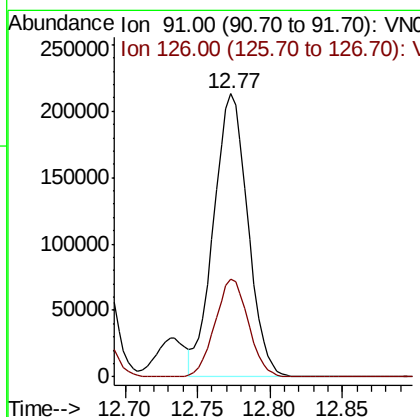
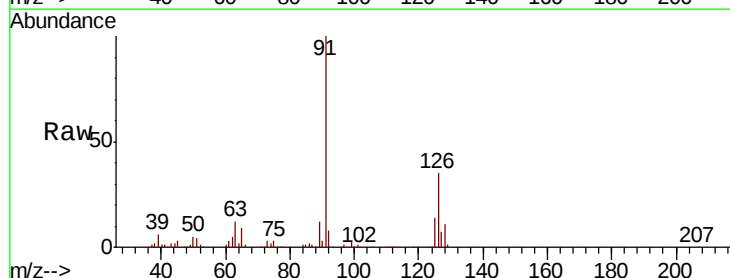
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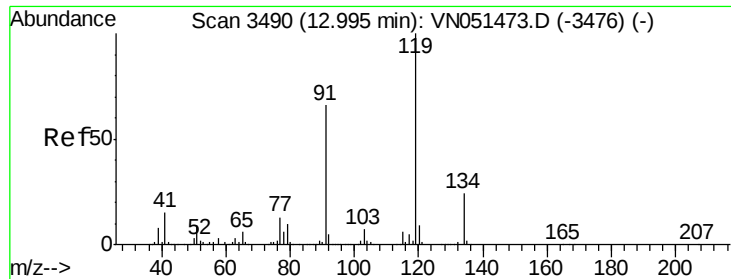
MMDadoda
10/1/2018 11:21:34 AM



#78
4-Chlorotoluene
Concen: 21.743 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	0.0	65.2





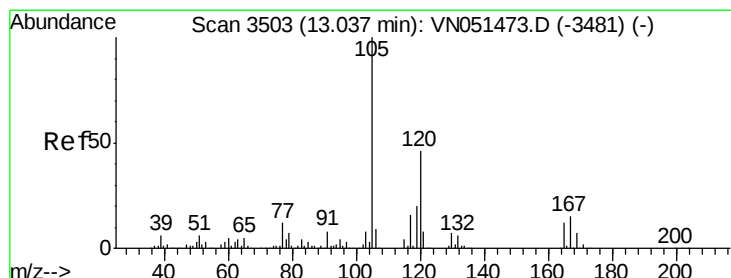
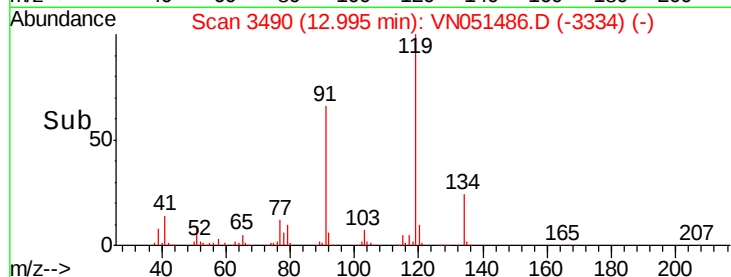
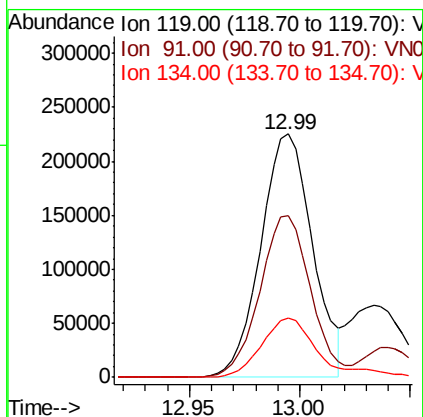
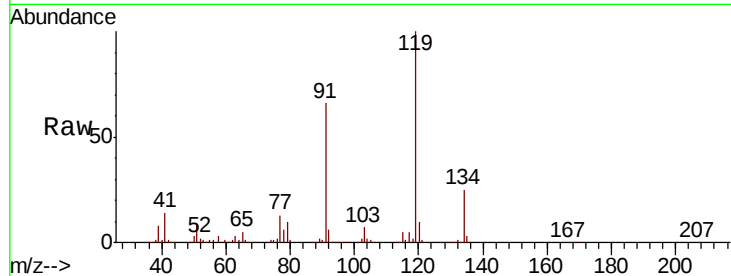
#79
tert-butylbenzene
Concen: 21.716 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	366245		
91	64.9	0.0	131.6	
134	24.4	0.0	46.2	

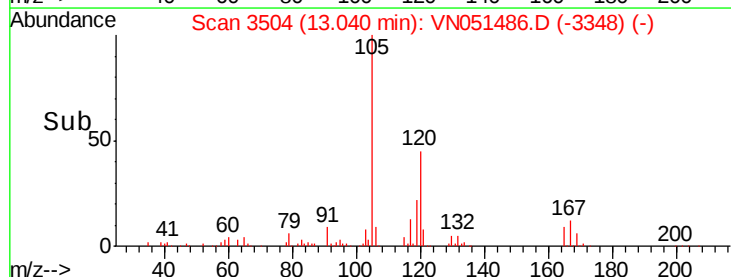
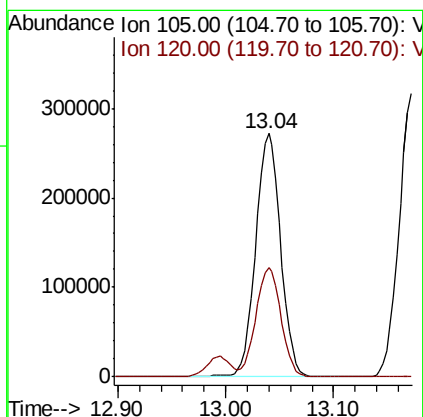
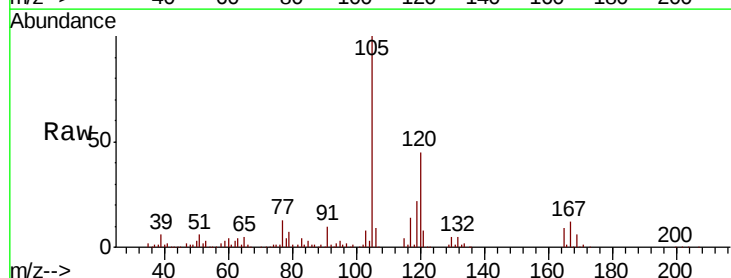
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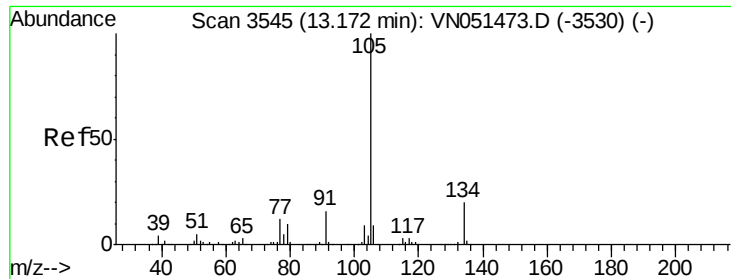
MMDadoda
10/1/2018 11:21:34 AM



#80
1,2,4-Trimethylbenzene
Concen: 22.366 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	435532		
120	45.3	0.0	89.6	





#81

sec-Butylbenzene

Concen: 21.573 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051486.D

Acq: 25 Sep 2018 15:44

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

Tot Ion:105 Resp: 500488

Ion Ratio Lower Upper

105 100

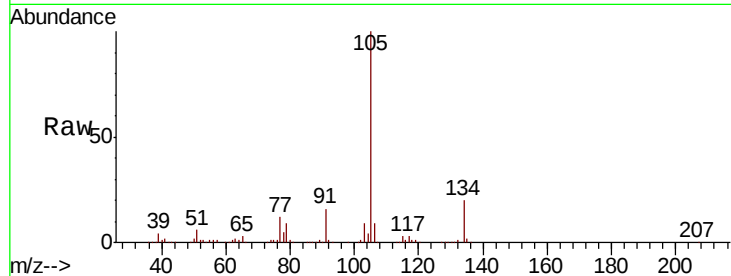
134 20.2 0.0 39.4

Manual Integrations

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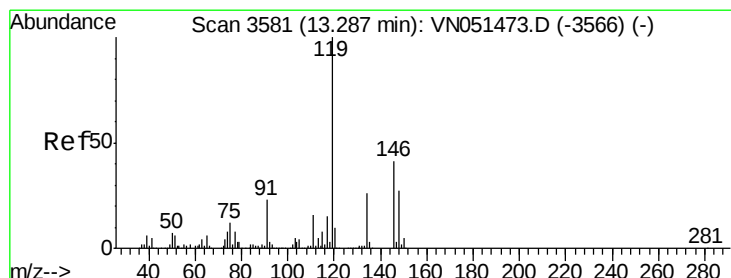
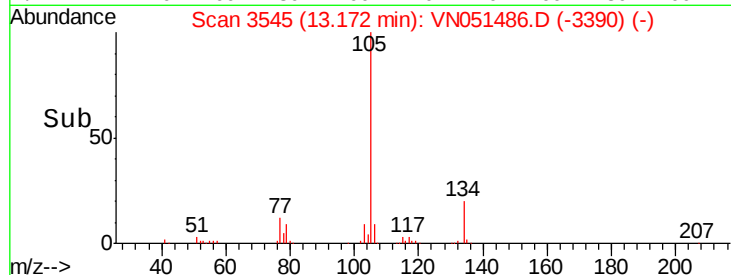
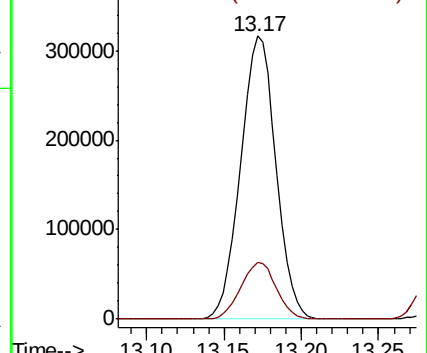
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 21.475 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051486.D

Acq: 25 Sep 2018 15:44

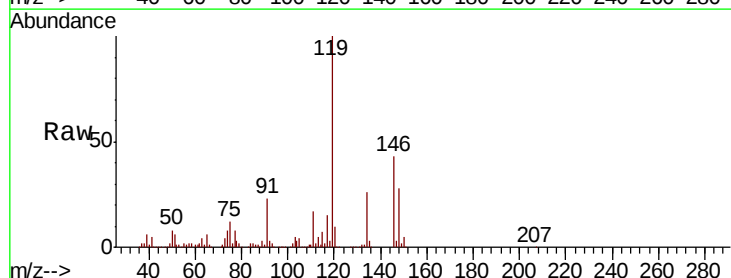
Tgt Ion:119 Resp: 430080

Ion Ratio Lower Upper

119 100

134 26.2 0.0 53.6

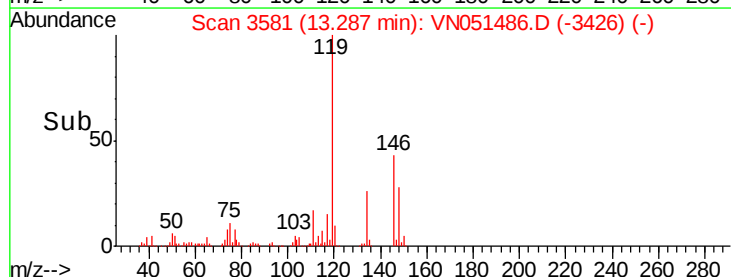
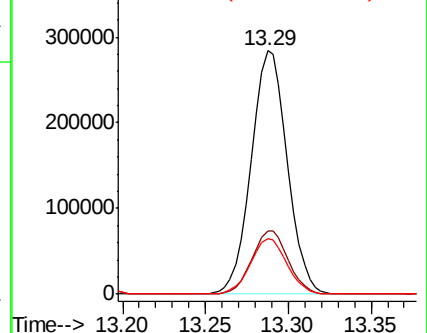
91 22.9 0.0 52.0

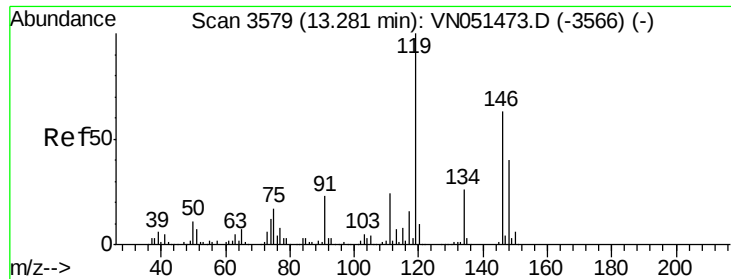


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





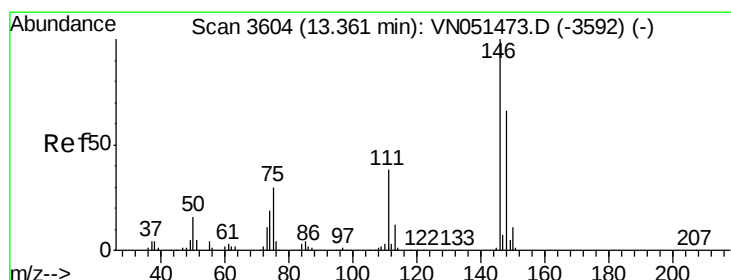
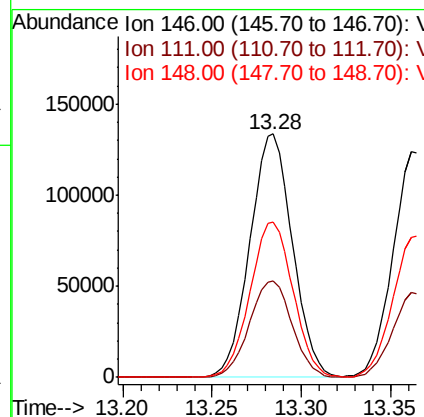
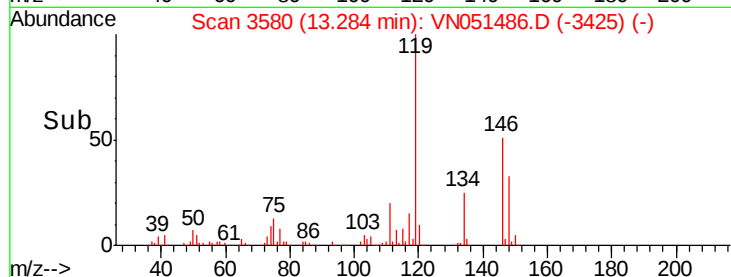
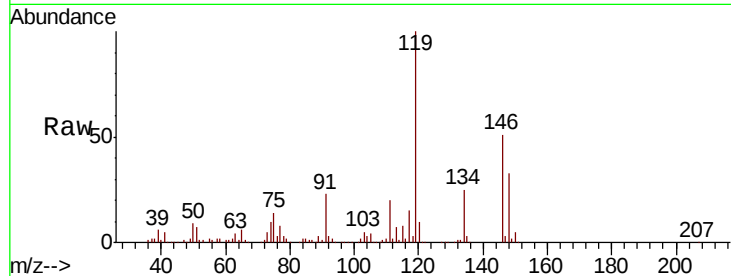
#83
 1,3-Dichlorobenzene
 Concen: 21.409 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051486.D
 Acq: 25 Sep 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	18.1	54.3
148	64.6	31.3	93.8

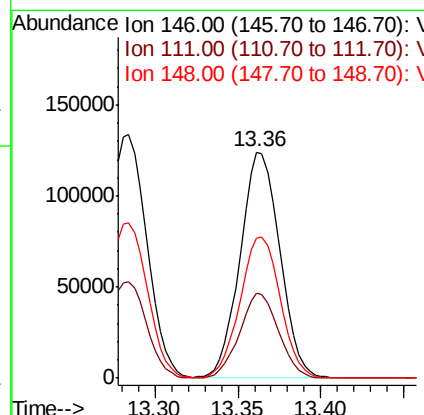
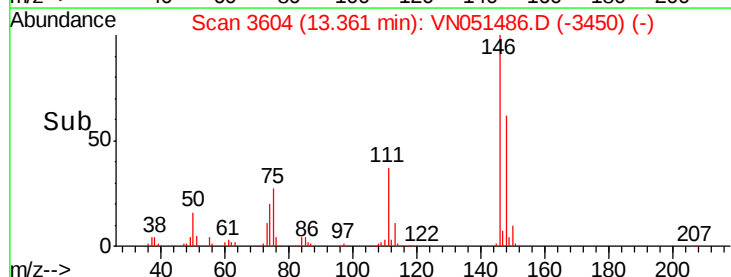
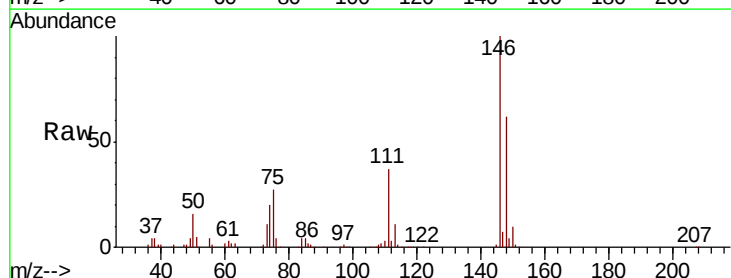
Manual Integrations
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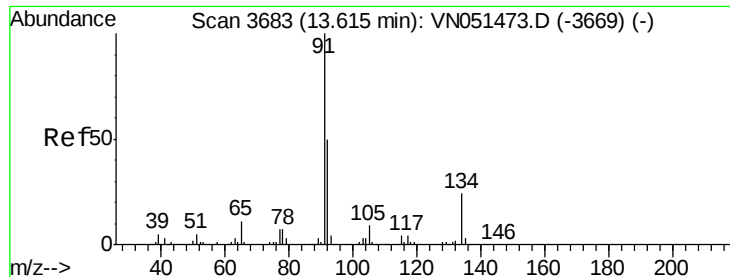
MMDadoda
 10/1/2018 11:21:34 AM



#84
 1,4-Dichlorobenzene
 Concen: 21.193 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051486.D
 Acq: 25 Sep 2018 15:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	17.4	52.2
148	63.8	32.8	98.3





#85

n-Butylbenzene

Concen: 19.693 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051486.D

Acq: 25 Sep 2018 15:44

Instrument :

MSVOA_N

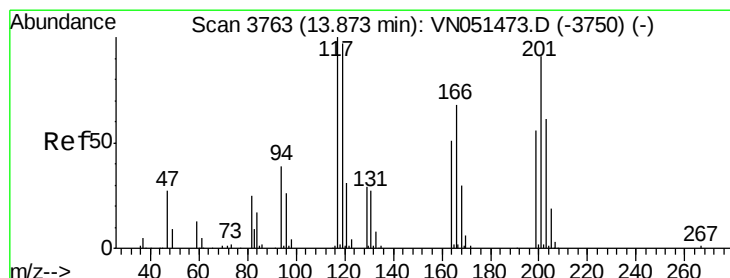
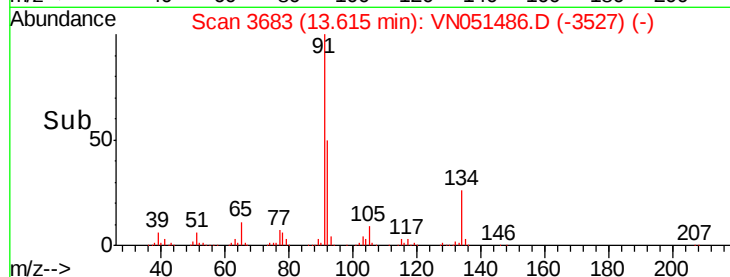
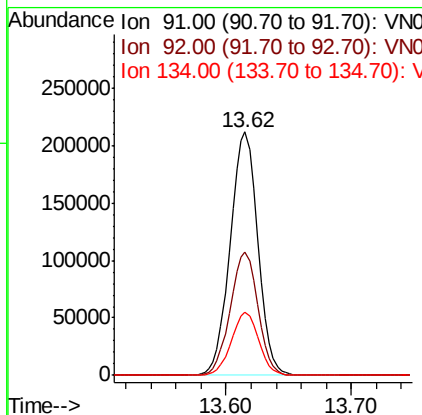
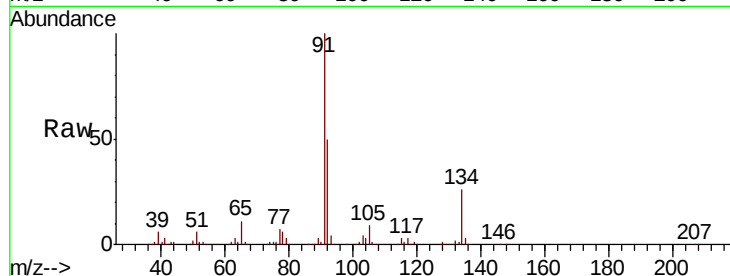
ClientSampleId :

VSTDCCC020EC

Tot Ion:	91	Resp:	323811
Ion Ratio	Lower	Upper	
91	100		
92	50.5	0.0	97.4
134	25.5	0.0	49.6

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#86

Hexachloroethane

Concen: 21.127 ug/l

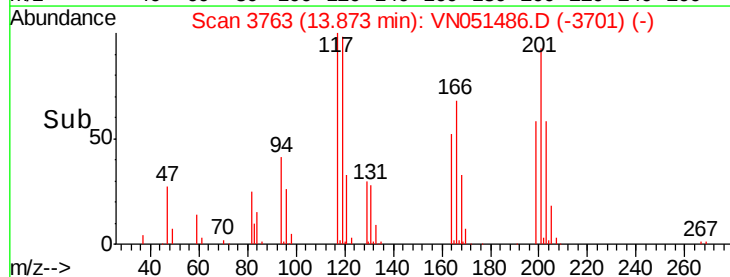
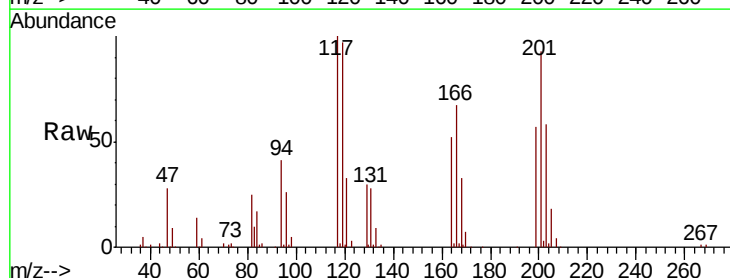
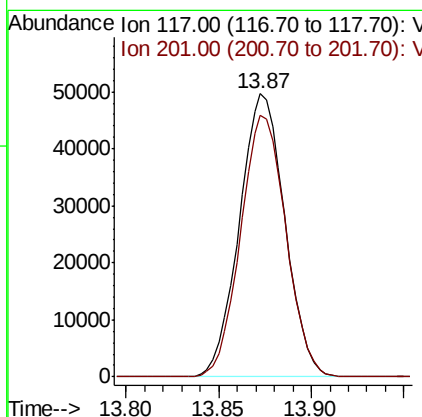
RT: 13.87 min Scan# 3763

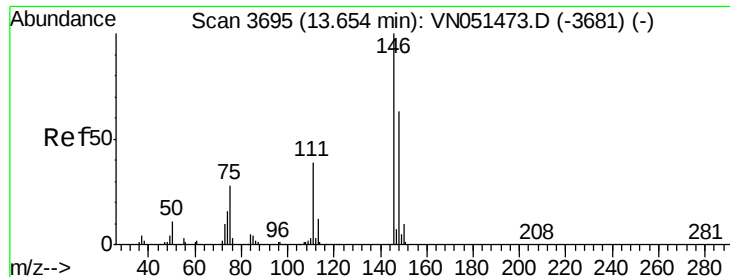
Delta R.T. -0.00 min

Lab File: VN051486.D

Acq: 25 Sep 2018 15:44

Tgt Ion:	117	Resp:	84785
Ion Ratio	Lower	Upper	
117	100		
201	92.2	47.8	143.3





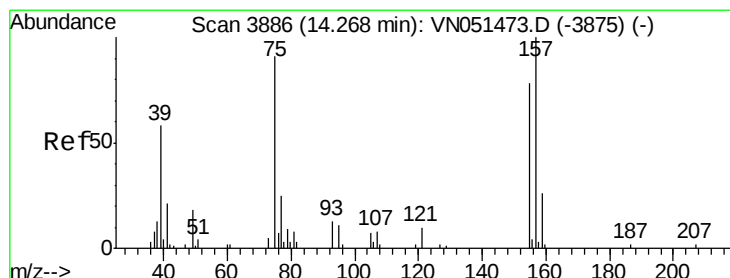
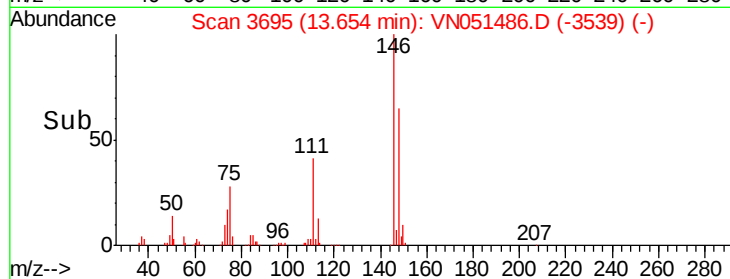
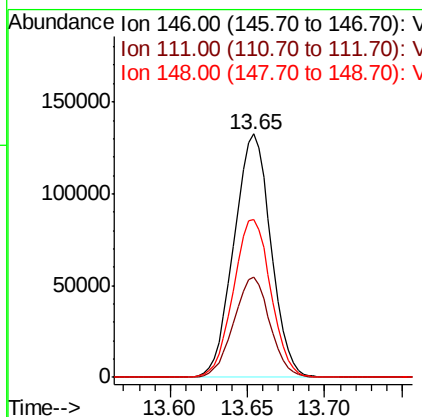
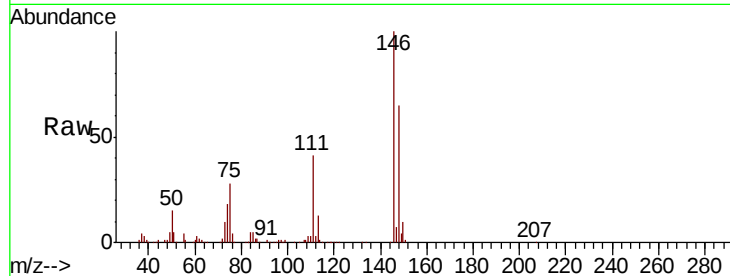
#87
 1,2-Dichlorobenzene
 Concen: 22.396 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051486.D
 Acq: 25 Sep 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.8	62.2
148	65.7	33.2	99.6

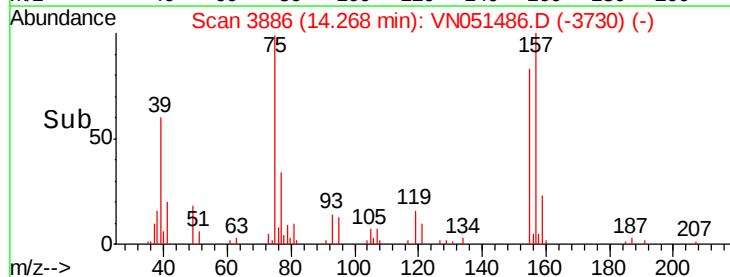
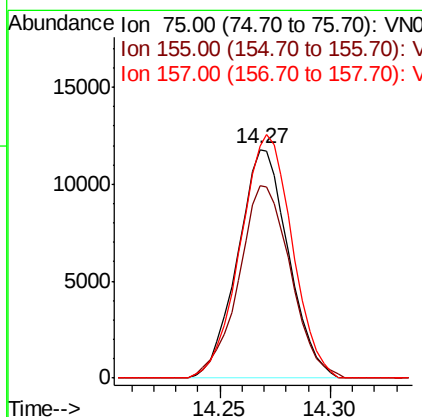
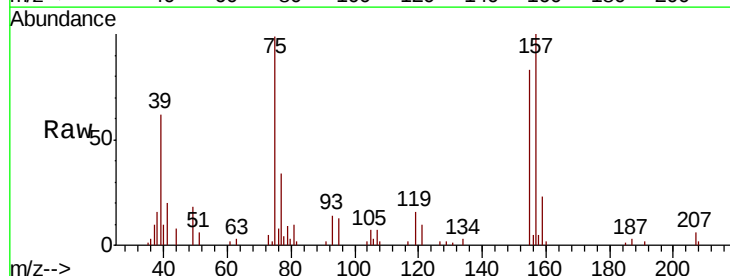
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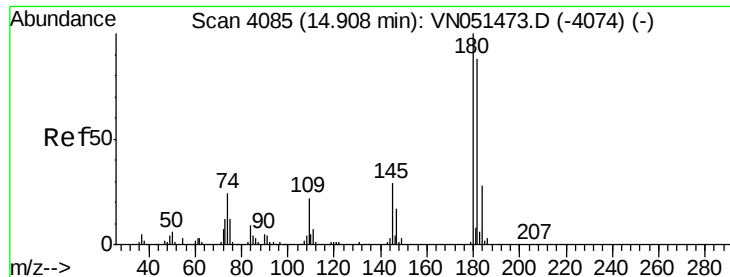
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 23.116 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051486.D
 Acq: 25 Sep 2018 15:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.8	57.0	85.6#
157	108.6	87.4	131.0





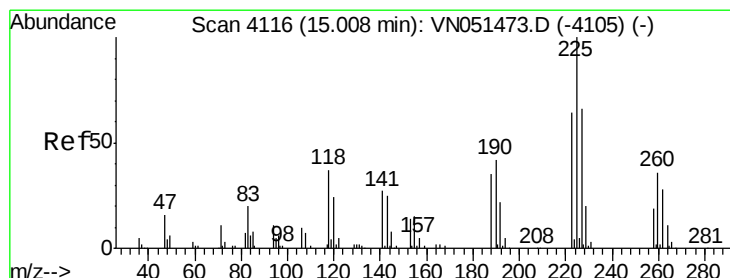
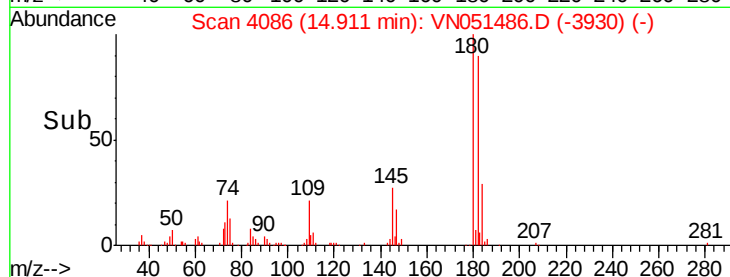
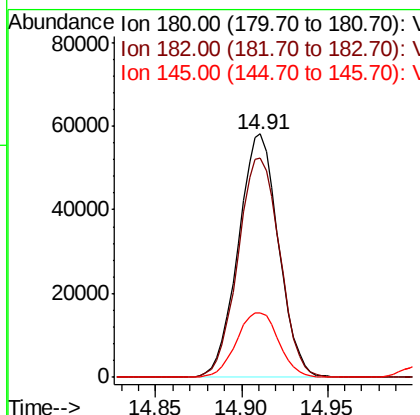
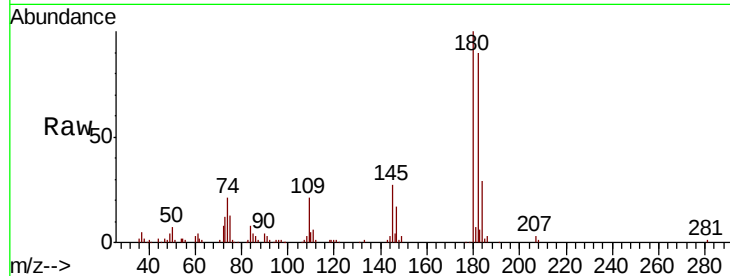
#89
 1,2,4-Trichlorobenzene
 Concen: 19.275 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051486.D
 Acq: 25 Sep 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	77.7	116.5
145	27.9	23.4	35.2

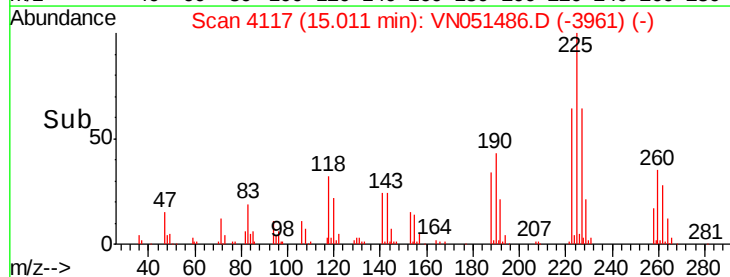
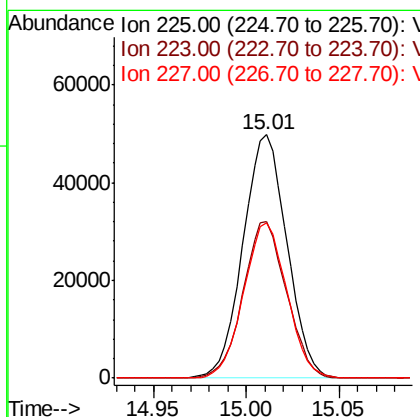
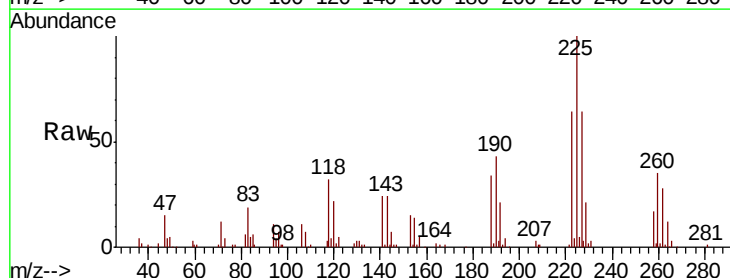
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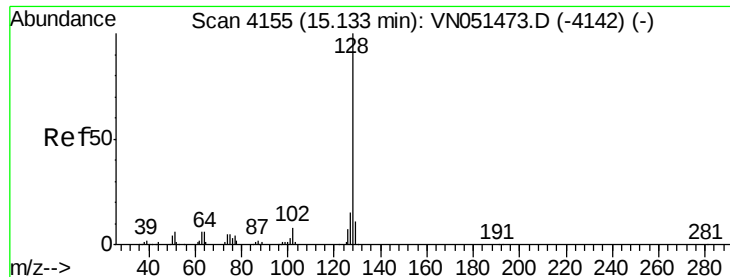
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#90
 Hexachlorobutadiene
 Concen: 21.586 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051486.D
 Acq: 25 Sep 2018 15:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	0.0	117.0
227	62.7	0.0	127.0





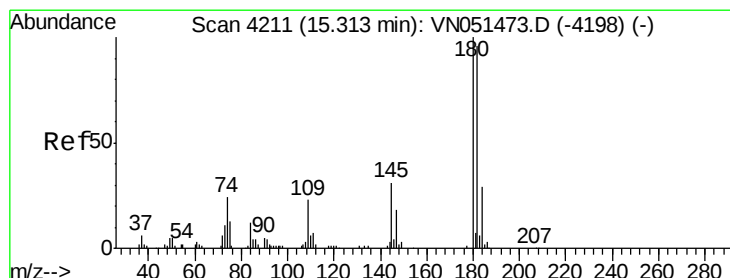
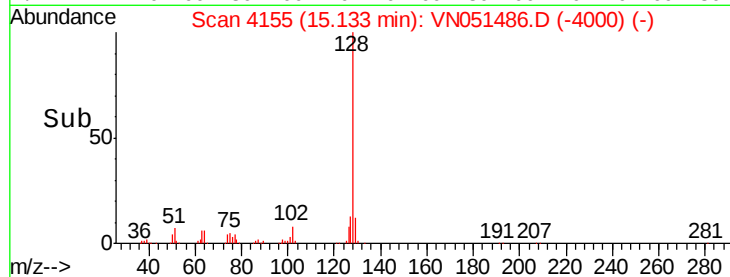
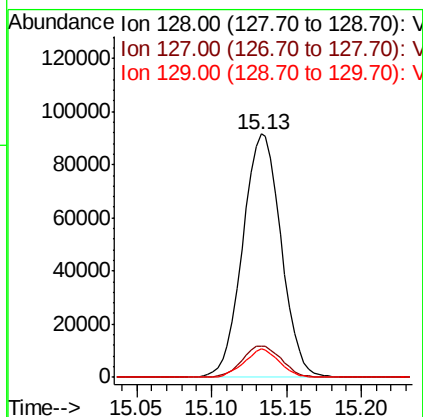
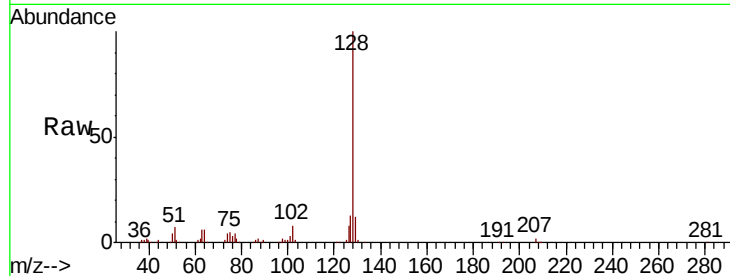
#91
Naphthalene
Concen: 17.675 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	128	Resp:	163423
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.1	15.1
129	10.7	8.4	12.6

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 19.583 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051486.D
Acq: 25 Sep 2018 15:44

Tgt Ion:	180	Resp:	96868
Ion Ratio	Lower	Upper	
180	100		
182	97.8	0.0	198.0
145	30.0	0.0	36.8

