

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120618\
 Data File : VN052711.D
 Acq On : 6 Dec 2018 21:45
 Operator : MD\SY
 Sample : VN1206WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1206WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 1:13:06 PM

Quant Time: Dec 07 07:30:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	154856	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	889962	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	776819	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	314908	29.84	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.47%
60) 4-Bromofluorobenzene	12.40	95	355035	29.89	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.63%
63) Toluene-d8	10.09	98	1078185	29.93	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	168006	19.049	ug/l 100
3) Chloromethane	2.06	50	223409	19.100	ug/l 100
4) Vinyl Chloride	2.19	62	228440	19.351	ug/l 96
5) Bromomethane	2.58	94	138239	20.537	ug/l 98
6) Chloroethane	2.71	64	137913	19.644	ug/l 99
7) Trichlorofluoromethane	3.02	101	294582	20.219	ug/l 100
8) Diethyl Ether	3.41	74	110602	20.559	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	182358	19.744	ug/l 96
10) 1,1-Dichloroethene	3.74	96	173498	19.979	ug/l 96
11) Methyl Iodide	3.96	142	247217	20.504	ug/l 100
12) Methyl Acetate	4.33	43	161020	21.823	ug/l 96
13) Acrolein	3.61	56	73089	84.328	ug/l 98
14) Acrylonitrile	4.99	53	329077	104.674	ug/l 98
15) Acetone	3.82	58	76343	93.766	ug/l 95
16) Carbon Disulfide	4.06	76	511784	18.615	ug/l 100
17) Allyl chloride	4.33	41	292110	19.288	ug/l 98
18) Methylene Chloride	4.55	84	203774	20.266	ug/l 99
19) trans-1,2-Dichloroethene	5.05	96	187362	20.049	ug/l 97
20) Diisopropyl ether	5.95	45	639211	20.085	ug/l 99
21) 1,1-Dichloroethane	5.85	63	366097	20.182	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	218330	20.385	ug/l 98
23) tert-Butyl Alcohol	4.78	59	50080m	107.083	ug/l
24) Methyl tert-Butyl Ether	5.05	73	478031	20.983	ug/l 99
25) Chloroform	7.37	83	357413	20.424	ug/l 98
26) Cyclohexane	7.65	56	327243	19.128	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	268357	19.746	ug/l 99
30) 2-Butanone	6.84	43	367682	101.105	ug/l 99
31) 2,2-Dichloropropane	6.83	77	239185	19.117	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	293816	20.777	ug/l 98
33) Carbon Tetrachloride	7.77	117	254725	20.586	ug/l 100
34) Benzene	8.04	78	837118	20.487	ug/l 98
35) Methacrylonitrile	7.18	41	91634	20.309	ug/l 99
36) 1,2-Dichloroethane	8.12	62	251053	20.276	ug/l 99
37) Trichloroethene	8.84	130	214452	20.697	ug/l 97
38) Methylcyclohexane	9.08	83	318069	18.906	ug/l 99
39) 1,2-Dichloropropane	9.12	63	222697	20.332	ug/l 99
40) Dibromomethane	9.21	93	127107	21.475	ug/l 97

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
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 VN1206WBS02

Manual Integrations
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Quant Time: Dec 07 07:30:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	269698	20.624	ug/l	100
42) Vinyl Acetate	5.90	43	1982708	100.765	ug/l	99
43) Ethyl Acetate	6.84	43	367682	47.548	ug/l	100
44) Isopropyl Acetate	8.16	43	295171	21.764	ug/l	98
45) 1,4-Dioxane	9.20	88	30252	407.747	ug/l	99
46) Methyl methacrylate	9.20	41	150964	21.439	ug/l	99
47) n-amyl Acetate	12.07	43	224315	19.948	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	254787	20.094	ug/l	96
49) cis-1,3-Dichloropropene	9.84	75	308535	19.972	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	178540	21.280	ug/l	98
51) Ethyl methacrylate	10.43	69	219780	20.857	ug/l	95
52) 1,3-Dichloropropane	10.71	76	313580	20.998	ug/l	99
53) Dibromochloromethane	10.90	129	196373	21.259	ug/l	100
54) 1,2-Dibromoethane	11.01	107	175579	21.416	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	588476	95.406	ug/l	99
56) Bromoform	12.13	173	128523	21.287	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	832143	110.495	ug/l	99
59) 2-Hexanone	10.75	43	536122	104.211	ug/l	99
61) Tetrachloroethene	10.63	164	216199	22.597	ug/l	95
62) Toluene	10.16	91	887021	20.713	ug/l	100
64) Chlorobenzene	11.43	112	540212	20.667	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	192441	21.211	ug/l	98
66) Ethyl Benzene	11.51	91	938146	20.326	ug/l	100
67) m/p-Xylenes	11.62	106	702227	40.839	ug/l	99
68) o-Xylene	11.95	106	348012	20.852	ug/l	99
69) Styrene	11.96	104	550309	20.429	ug/l	100
70) Isopropylbenzene	12.25	105	916402	20.637	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	212222	21.970	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	178543m	21.532	ug/l	
73) Bromobenzene	12.53	156	229255	21.347	ug/l	95
74) n-propylbenzene	12.59	91	1027506	19.860	ug/l	99
75) 2-Chlorotoluene	12.68	91	615922	20.509	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	739069	20.606	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	52145	19.907	ug/l	98
78) 4-Chlorotoluene	12.77	91	608115	20.277	ug/l	100
79) tert-butylbenzene	12.99	119	656625	21.022	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	742386	20.686	ug/l	99
81) sec-Butylbenzene	13.17	105	878637	20.195	ug/l	100
82) p-Isopropyltoluene	13.29	119	748566	20.206	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	387435	20.512	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	371078	20.334	ug/l	98
85) n-Butylbenzene	13.62	91	583767	18.345	ug/l	99
86) Hexachloroethane	13.88	117	126454	20.145	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	380886	21.190	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29998	22.170	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	169279	19.115	ug/l	98
90) Hexachlorobutadiene	15.01	225	118304	20.365	ug/l	99
91) Naphthalene	15.14	128	344720	19.276	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	169536	20.774	ug/l	96

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ALS Vial : 27 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS02

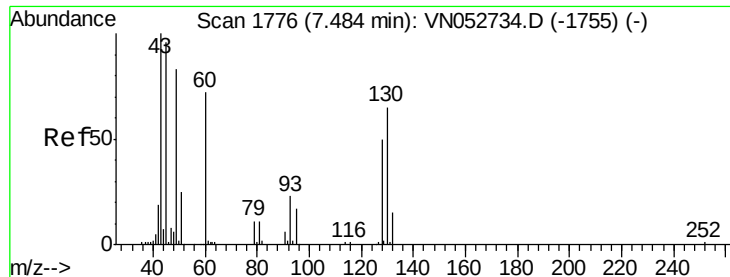
Manual Integrations
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12/7/2018 1:13:06 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
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QLast Update : Tue Nov 27 00:48:33 2018
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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



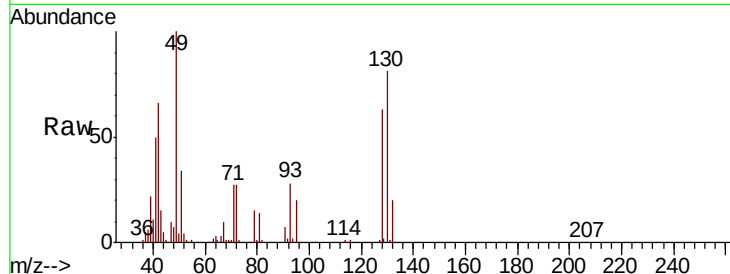
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
49	164.4	0.0	431.8
130	129.6	0.0	317.0

Manual Integrations
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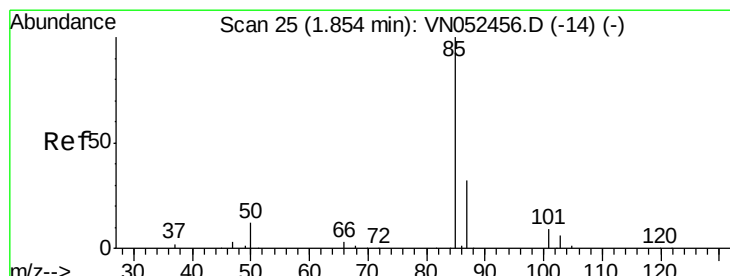
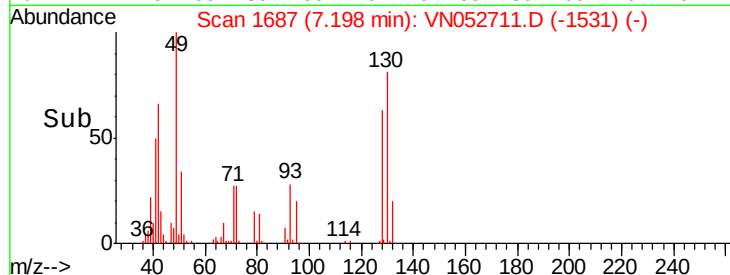
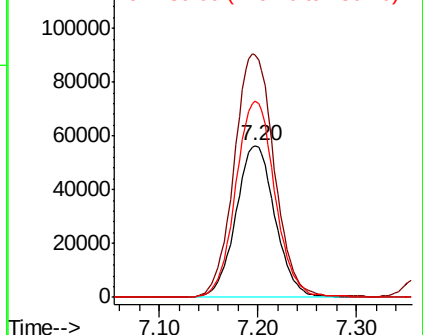


Abundance

Ion 128.00 (127.70 to 128.70): V

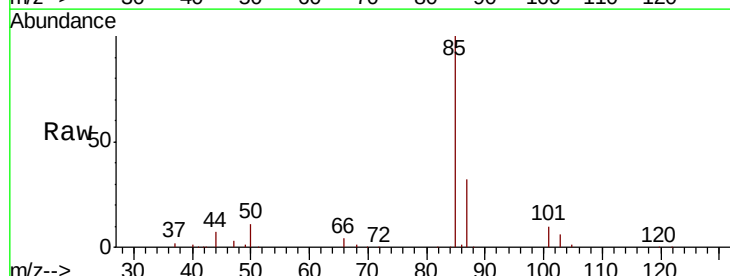
Ion 49.00 (48.70 to 49.70): V

Ion 130.00 (129.70 to 130.70): V



#2
Dichlorodifluoromethane
Concen: 19.049 ug/l
RT: 1.85 min Scan# 25
Delta R.T. 0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

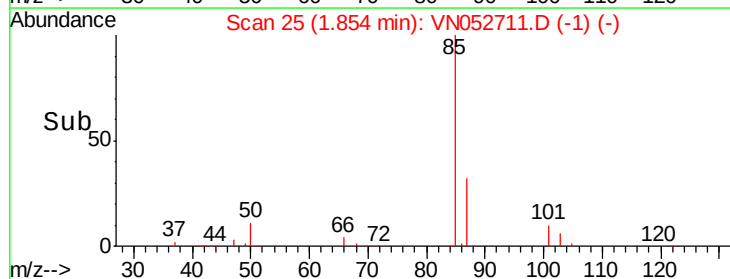
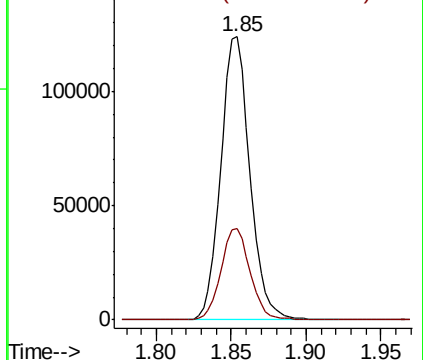
Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.1	48.3

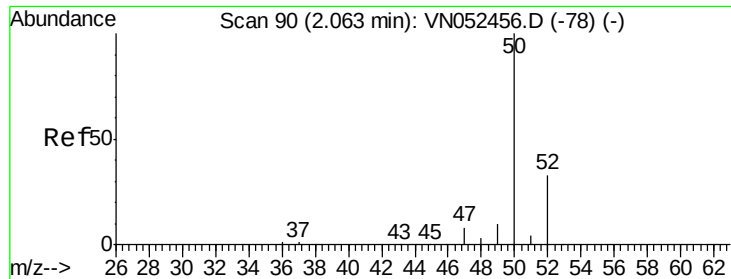


Abundance

Ion 85.00 (84.70 to 85.70): V

Ion 87.00 (86.70 to 87.70): V





#3

Chloromethane

Concen: 19.100 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBS02

Tot Ion: 50 Resp: 223409

Ion Ratio Lower Upper

50 100

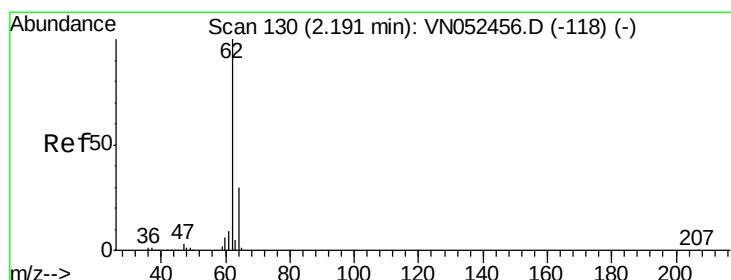
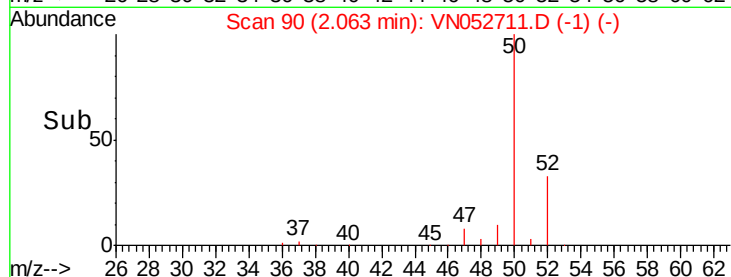
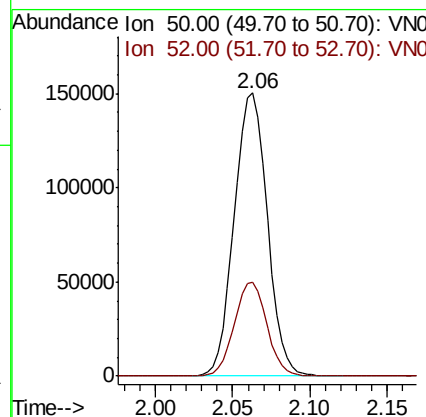
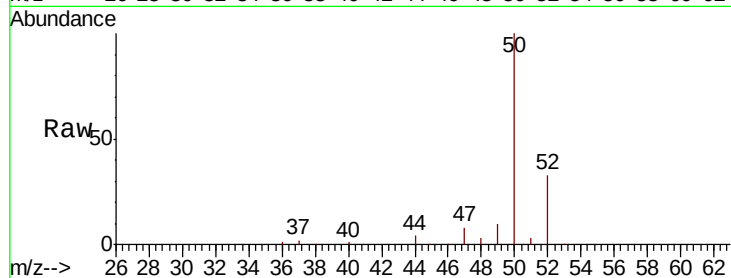
52 33.3 26.5 39.7

Manual Integrations

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12/7/2018 1:13:06 PM



#4

Vinyl Chloride

Concen: 19.351 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052711.D

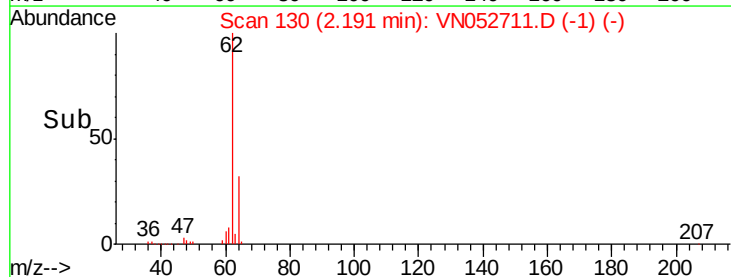
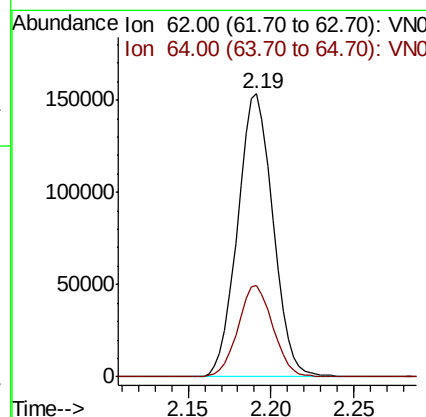
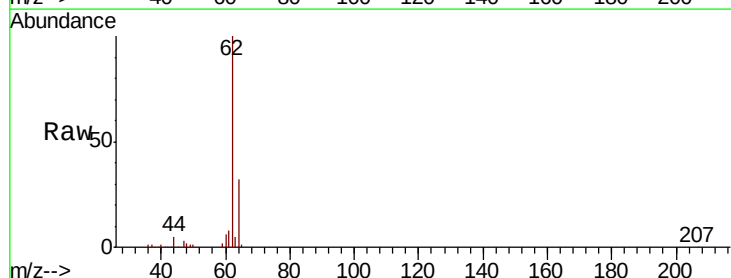
Acq: 6 Dec 2018 21:45

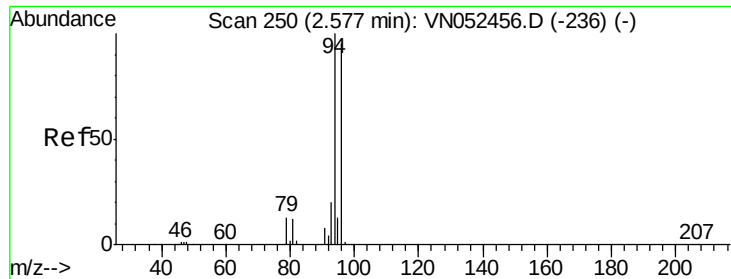
Tgt Ion: 62 Resp: 228440

Ion Ratio Lower Upper

62 100

64 32.3 24.2 36.4





#5

Bromomethane

Concen: 20.537 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBS02

Tot Ion: 94 Resp: 138239

Ion Ratio Lower Upper

94 100

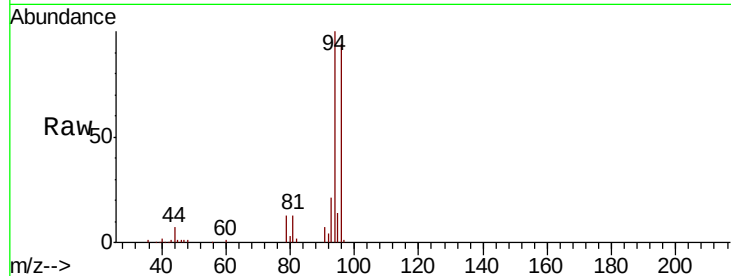
96 93.6 76.2 114.2

Manual Integrations

APPROVED

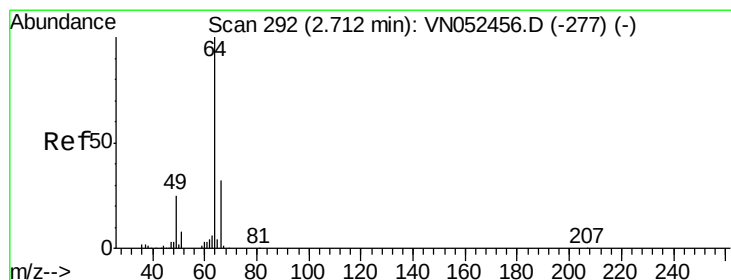
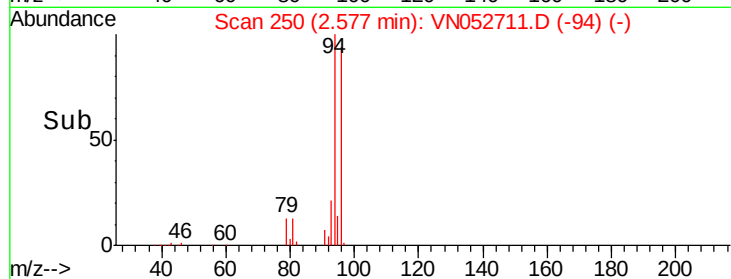
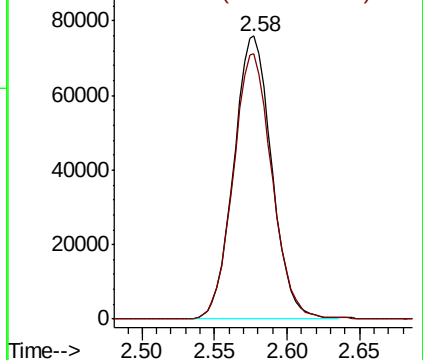
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.644 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052711.D

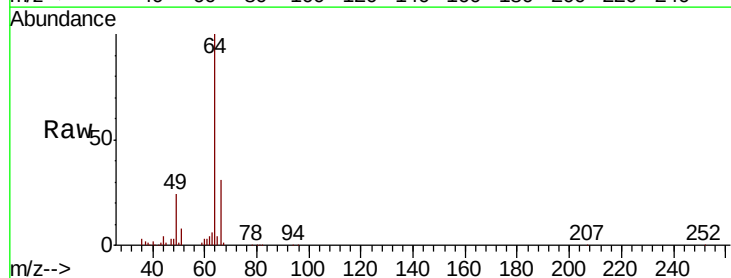
Acq: 6 Dec 2018 21:45

Tgt Ion: 64 Resp: 137913

Ion Ratio Lower Upper

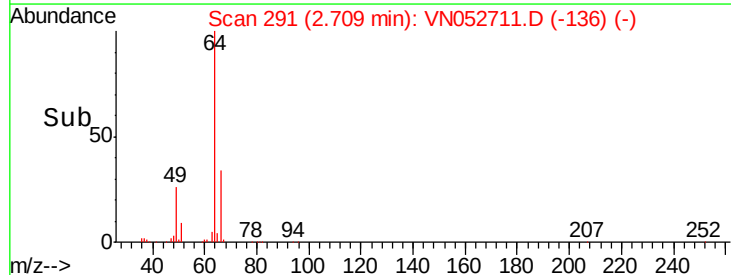
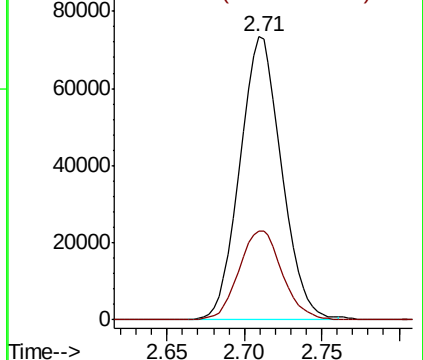
64 100

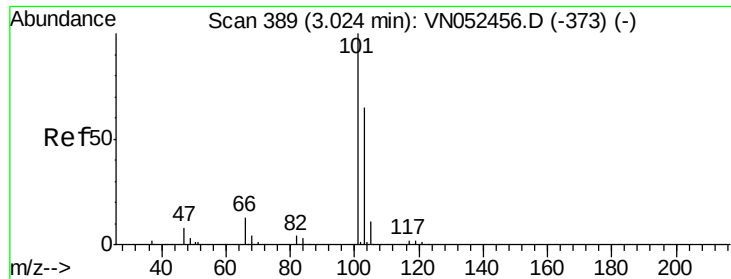
66 31.3 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

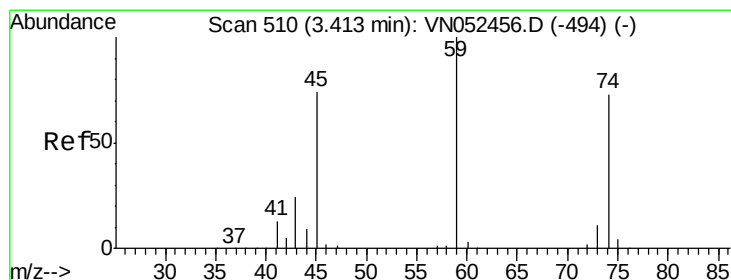
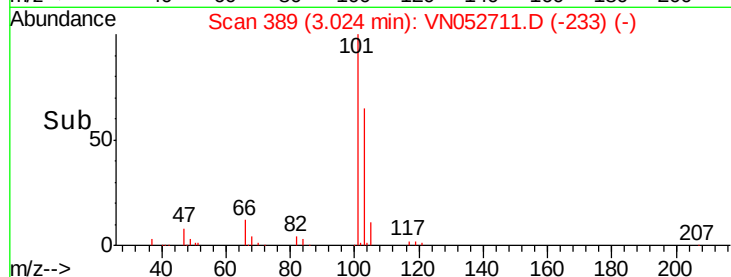
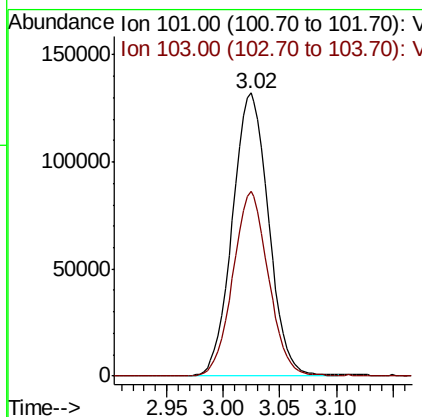
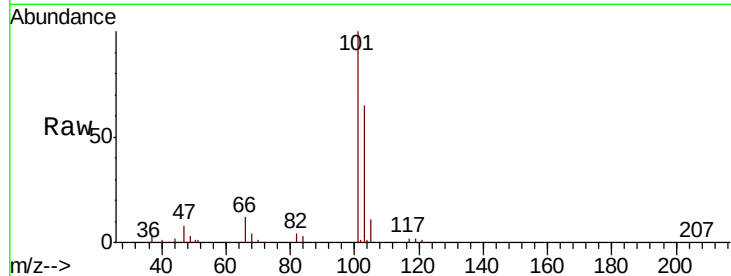
Trichlorofluoromethane
Concen: 20.219 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.1	78.1

Manual Integrations
APPROVED

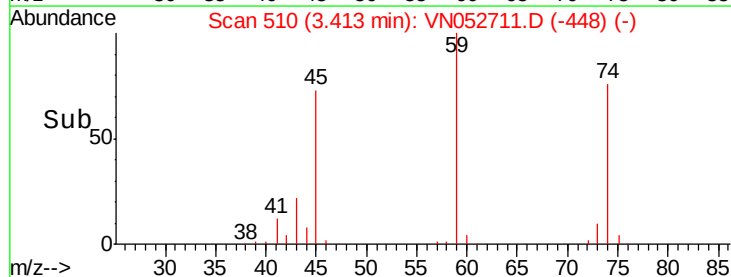
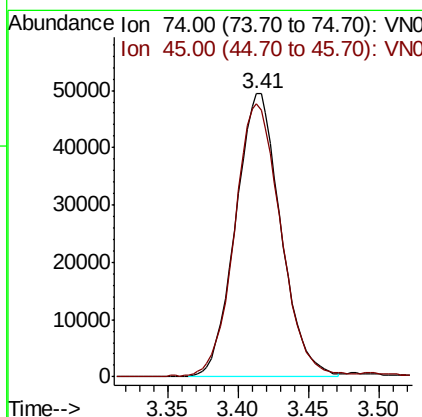
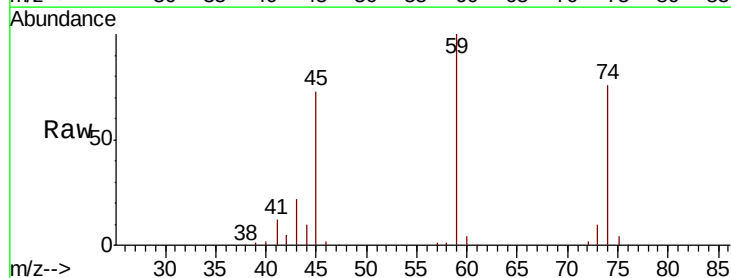
MMDadoda
12/7/2018 1:13:06 PM

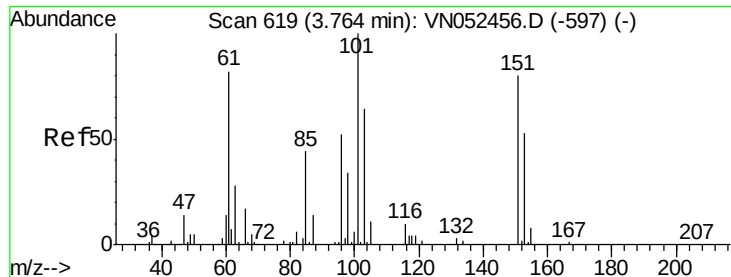


#8

Diethyl Ether
Concen: 20.559 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.744 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

Instrument :

MSVOA_N

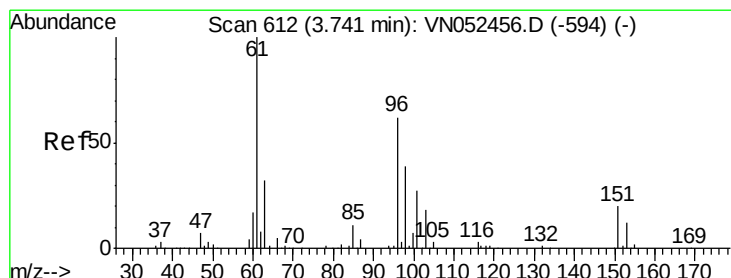
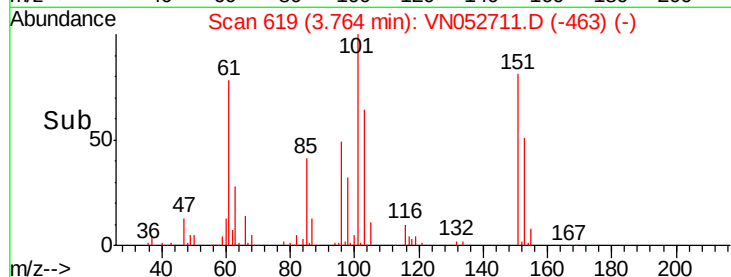
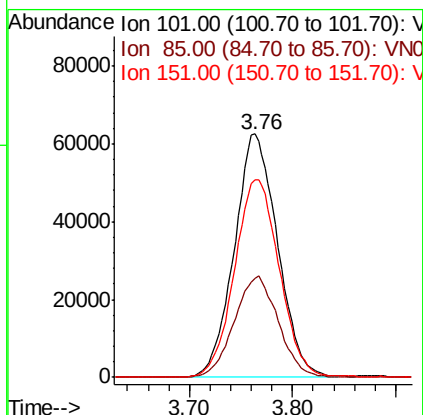
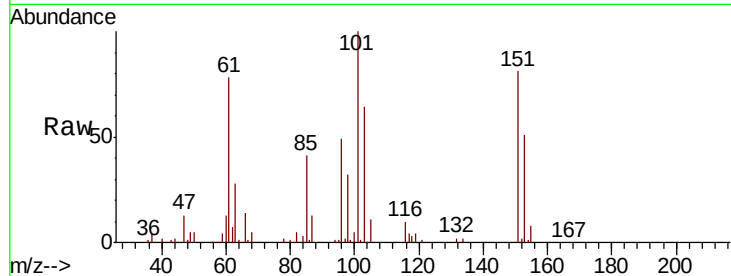
ClientSampleId :

VN1206WBS02

Tot Ion:	101	Resp:	182358
Ion Ratio	Lower	Upper	
101	100		
85	42.2	0.0	82.6
151	84.0	0.0	158.4

Manual Integrations
APPROVED

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#10

1,1-Dichloroethene

Concen: 19.979 ug/l

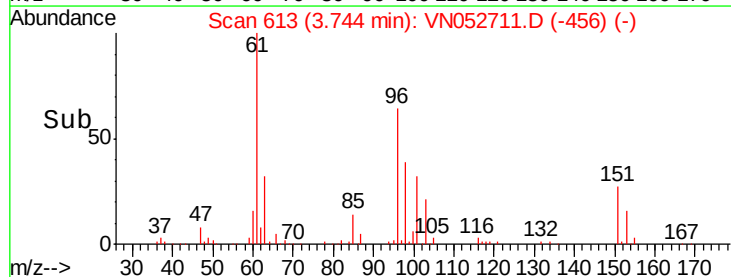
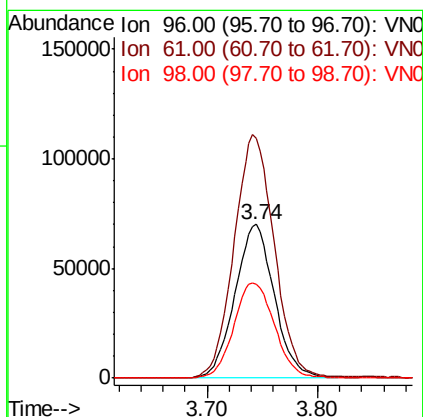
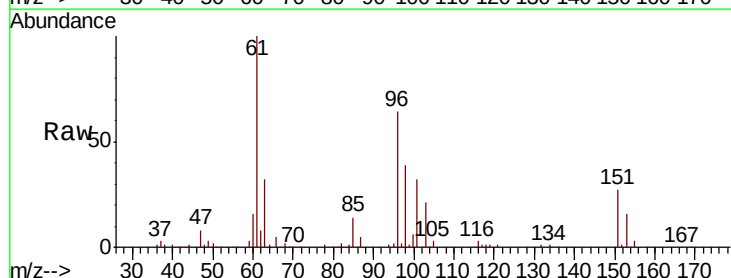
RT: 3.74 min Scan# 613

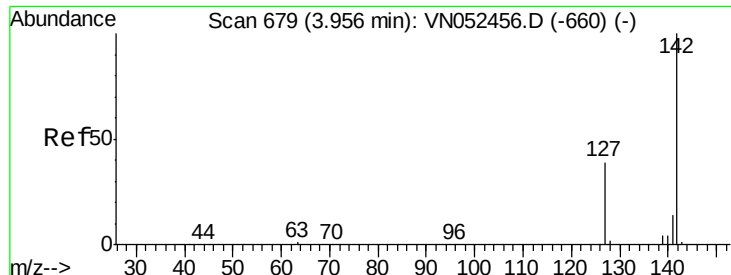
Delta R.T. 0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

Tgt Ion:	96	Resp:	173498
Ion Ratio	Lower	Upper	
96	100		
61	156.0	129.4	194.2
98	60.7	50.4	75.6





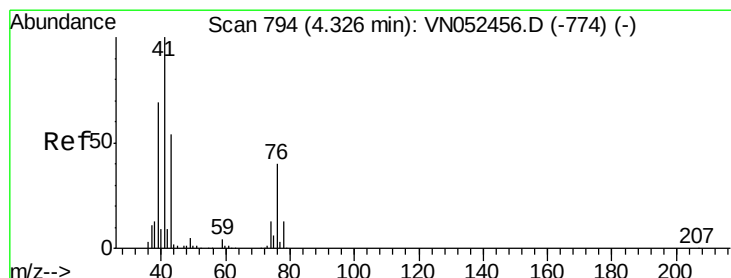
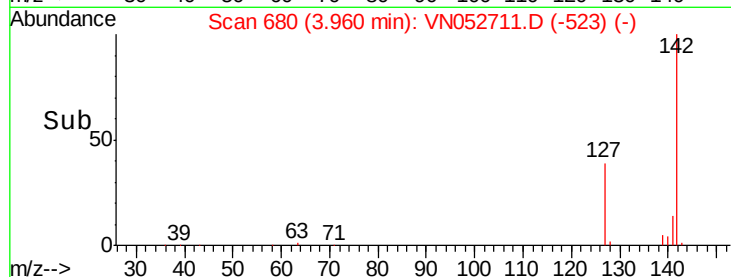
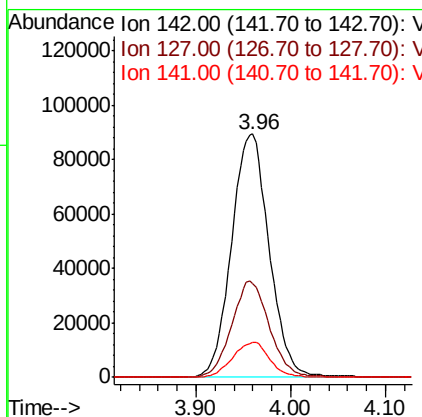
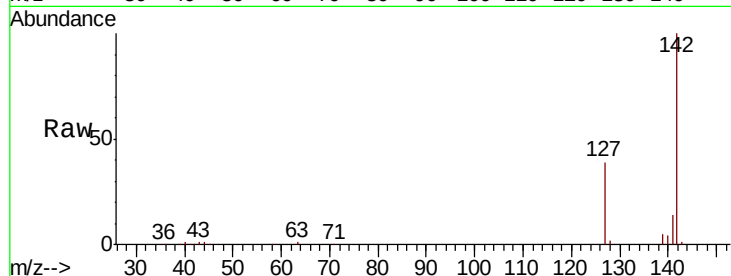
#11
Methvl Iodide
Concen: 20.504 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS02

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.5	19.4	58.1
141	14.2	7.2	21.6

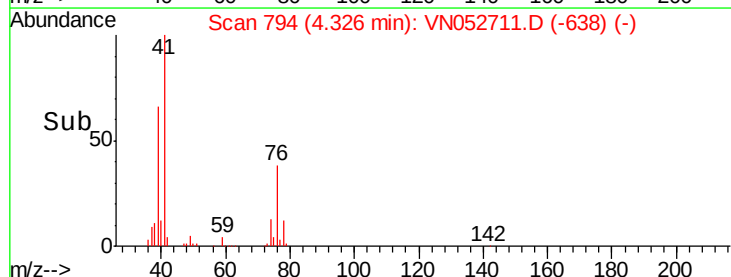
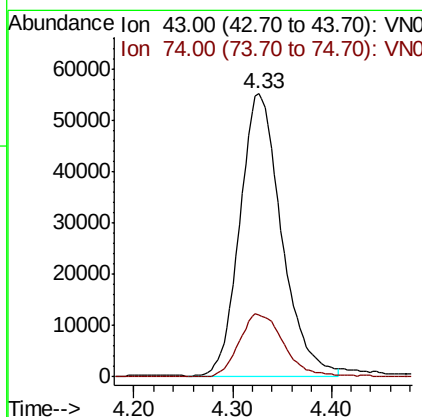
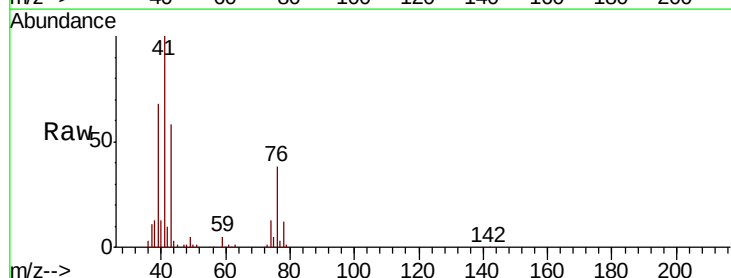
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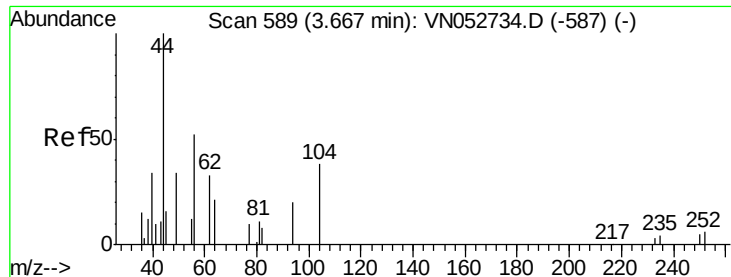
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#12
Methyl Acetate
Concen: 21.823 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	18.9	28.3





#13

Acrolein

Concen: 84.328 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBS02

Tot Ion: 56 Resp: 73089

Ion Ratio Lower Upper

56 100

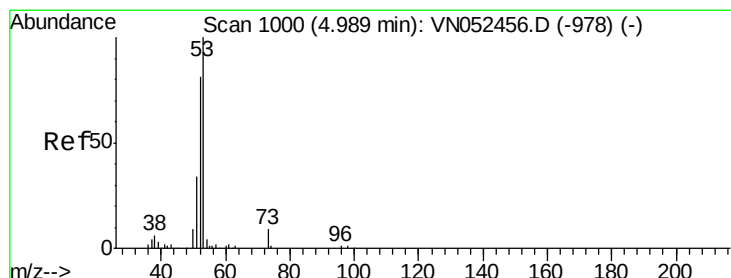
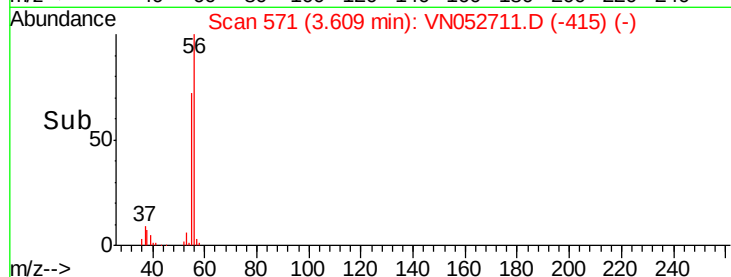
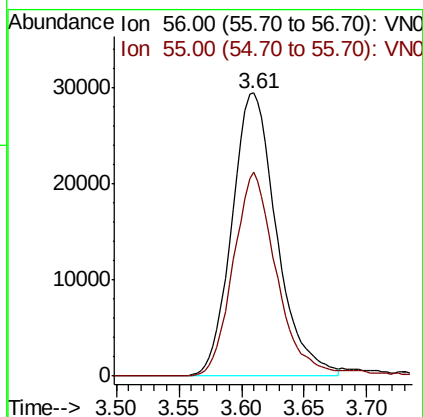
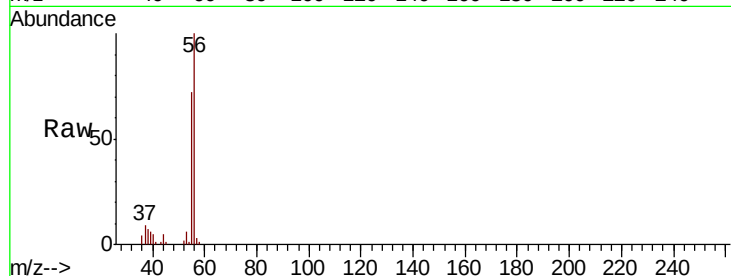
55 69.0 56.7 85.1

Manual Integrations

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#14

Acrylonitrile

Concen: 104.674 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

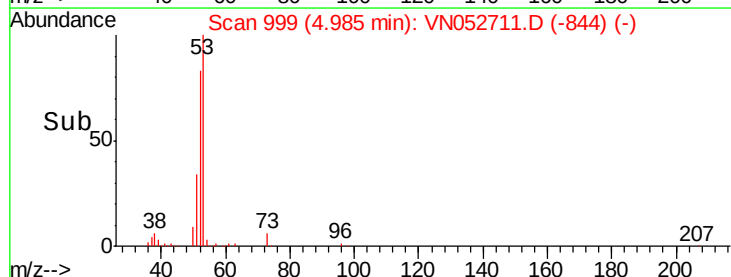
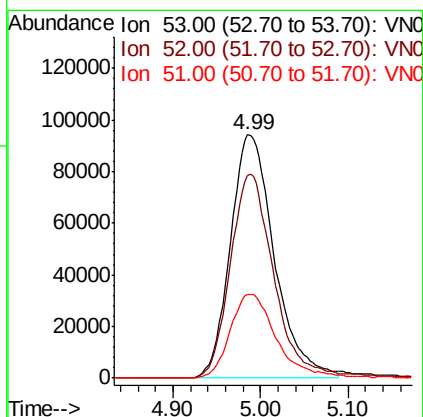
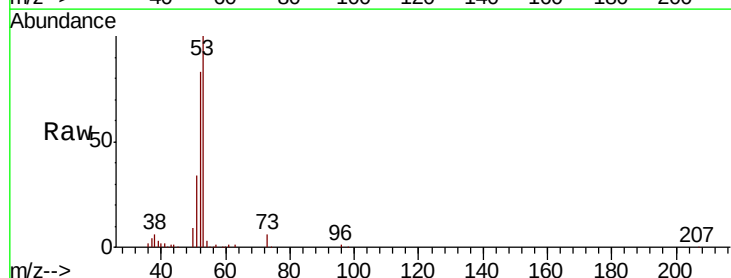
Tgt Ion: 53 Resp: 329077

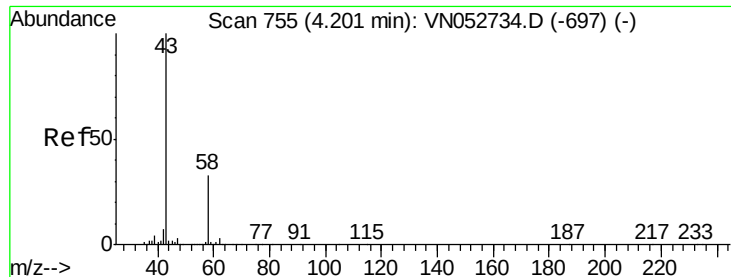
Ion Ratio Lower Upper

53 100

52 82.2 39.9 119.7

51 34.9 17.6 52.9





#15

Acetone

Concen: 93.766 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

Instrument :

MSVOA_N

ClientSampled :

VN1206WBS02

Tot Ion: 58 Resp: 76343

Ion Ratio Lower Upper

58 100

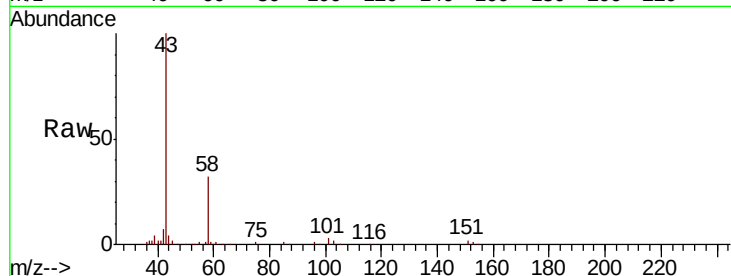
43 314.1 243.6 365.4

Manual Integrations

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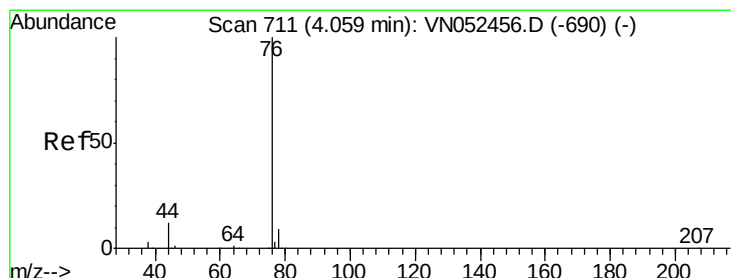
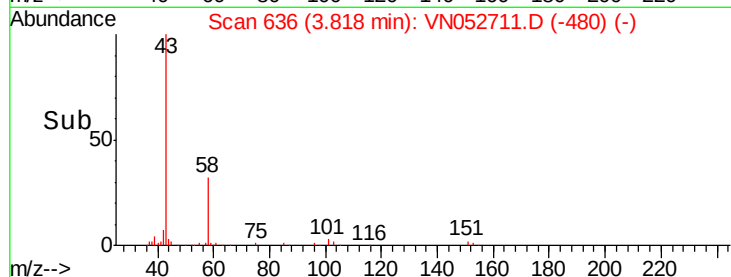
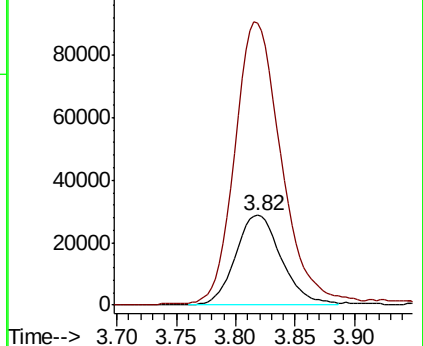
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Abundance Ion 58.00 (57.70 to 58.70): VN052711.D (-480) (-)

Ion 43.00 (42.70 to 43.70): VN052711.D (-480) (-)



#16

Carbon Disulfide

Concen: 18.615 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052711.D

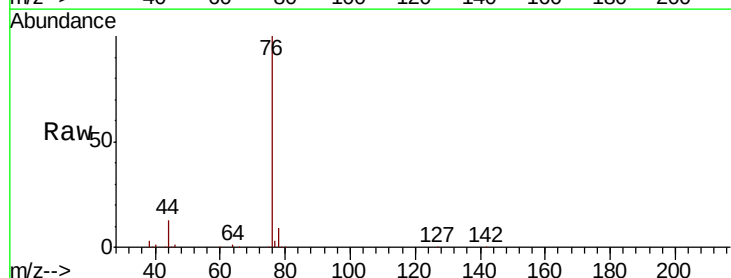
Acq: 6 Dec 2018 21:45

Tgt Ion: 76 Resp: 511784

Ion Ratio Lower Upper

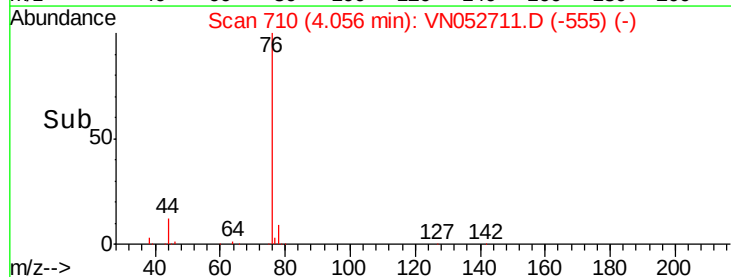
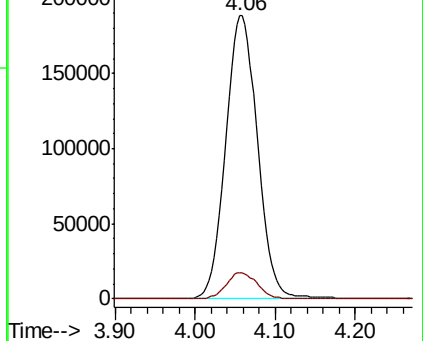
76 100

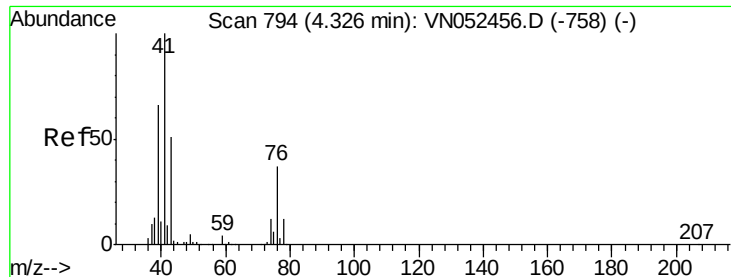
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN052711.D (-555) (-)

Ion 78.00 (77.70 to 78.70): VN052711.D (-555) (-)





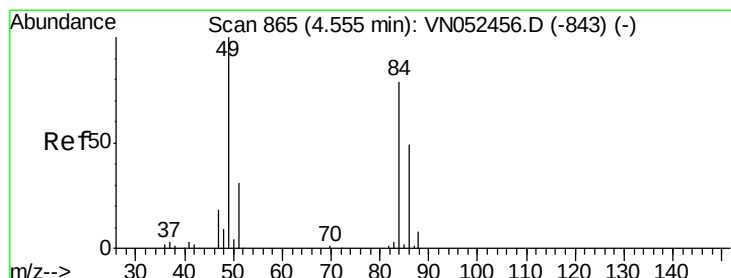
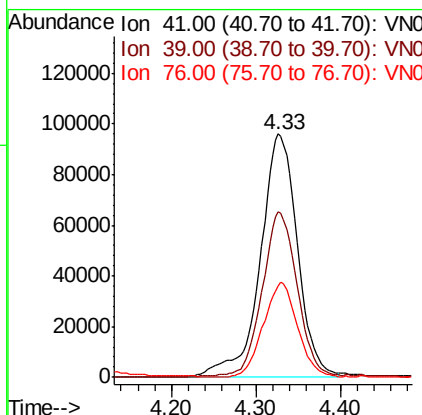
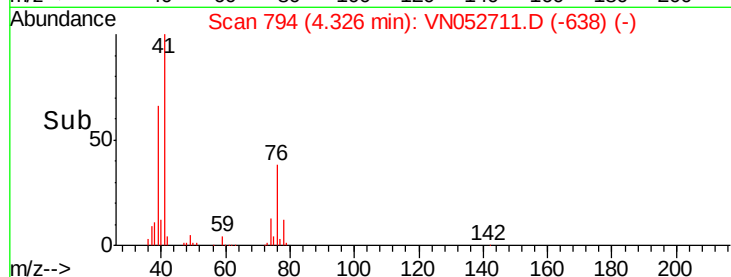
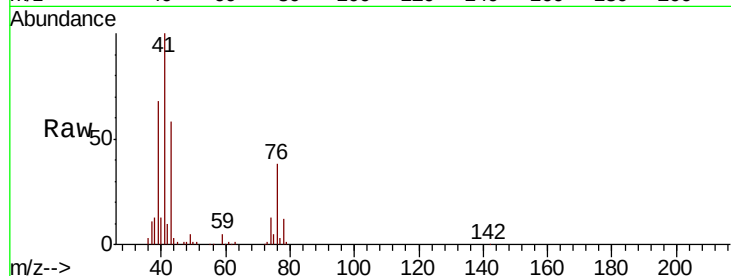
#17
Allvl chloride
Concen: 19.288 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS02

Tot Ion:	41	Resp:	292110
Ion	Ratio	Lower	Upper
41	100		
39	67.8	32.8	98.3
76	37.3	18.6	55.8

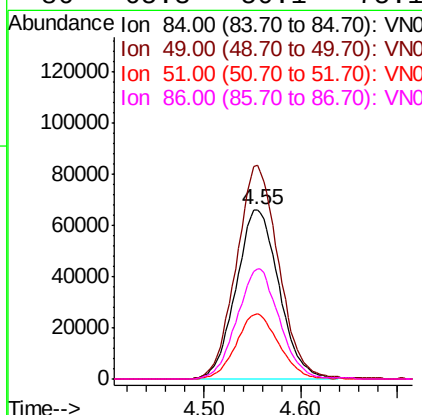
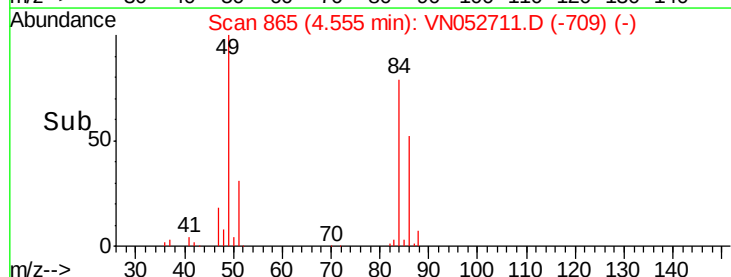
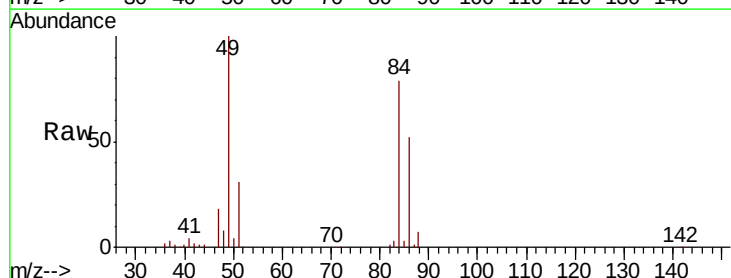
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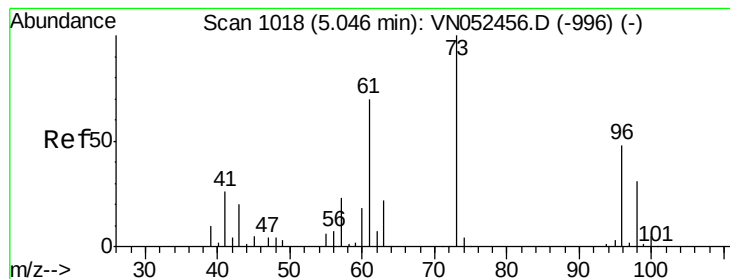
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#18
Methylene Chloride
Concen: 20.266 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Tgt Ion:	84	Resp:	203774
Ion	Ratio	Lower	Upper
84	100		
49	126.4	101.4	152.0
51	38.7	31.7	47.5
86	65.3	50.1	75.1





#19

trans-1,2-Dichloroethene

Concen: 20.049 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

Instrument :

MSVOA_N

ClientSampled :

VN1206WBS02

Tot Ion: 96 Resp: 187362

Ion Ratio Lower Upper

96 100

61 143.7 118.2 177.4

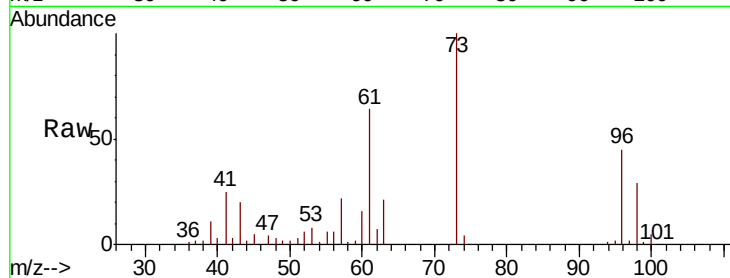
98 65.0 51.4 77.2

Manual Integrations

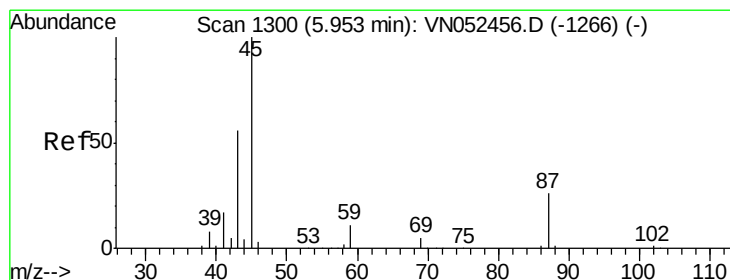
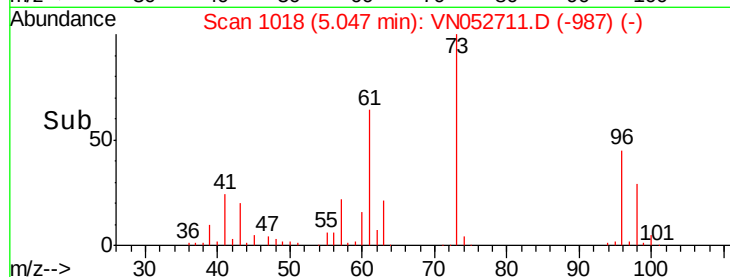
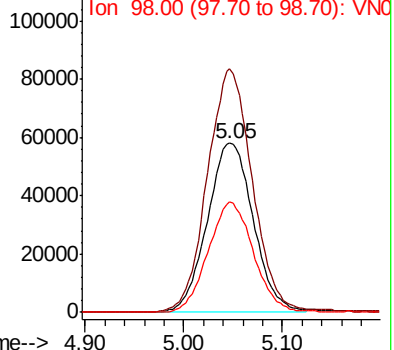
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Abundance Ion 96.00 (95.70 to 96.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 98.00 (97.70 to 98.70): VNO



#20

Diisopropyl ether

Concen: 20.085 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

Tgt Ion: 45 Resp: 639211

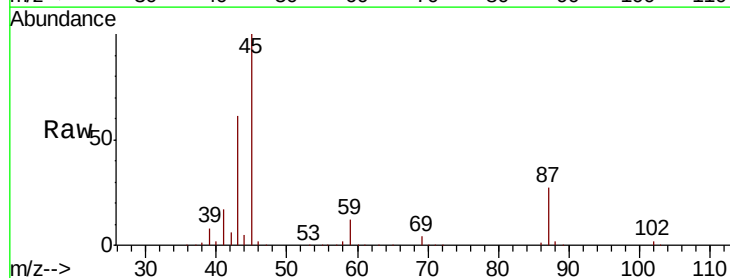
Ion Ratio Lower Upper

45 100

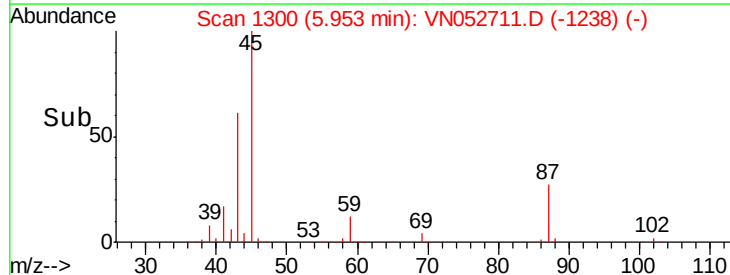
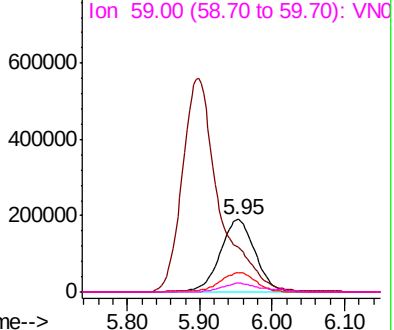
43 59.1 47.8 71.8

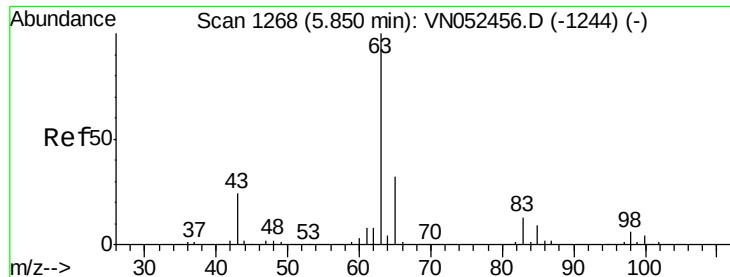
87 27.2 21.3 31.9

59 11.8 8.9 13.3



Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





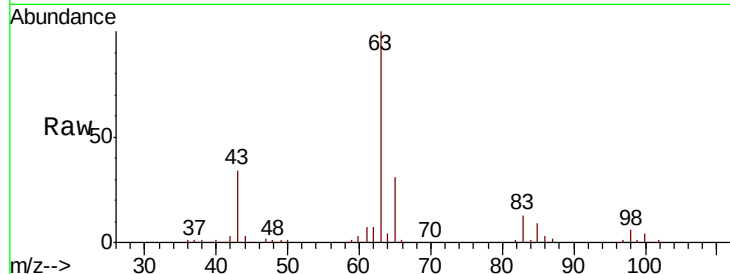
#21
 1,1-Dichloroethane
 Concen: 20.182 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052711.D
 Acq: 6 Dec 2018 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBS02

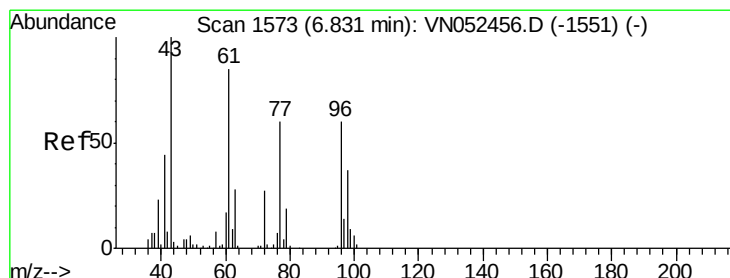
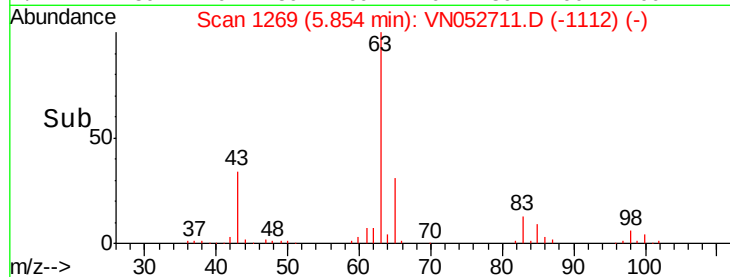
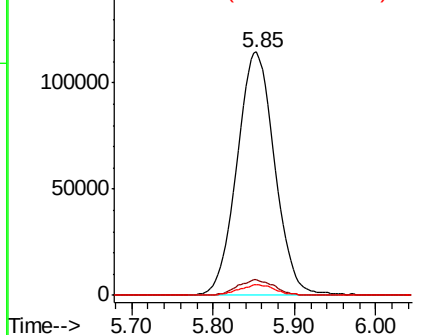
Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.4	3.0	9.2	
100	4.4	1.8	5.5	

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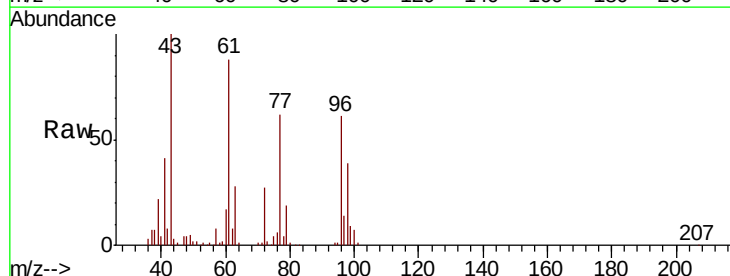


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

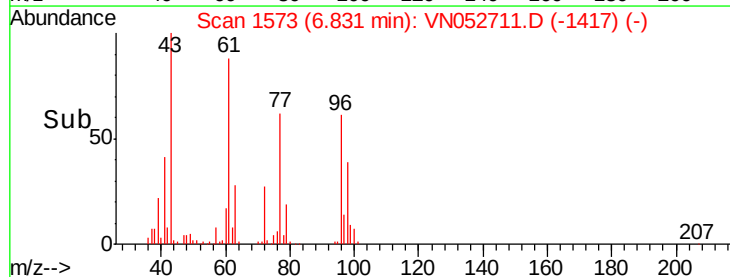
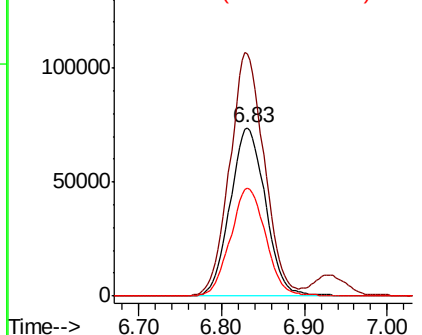


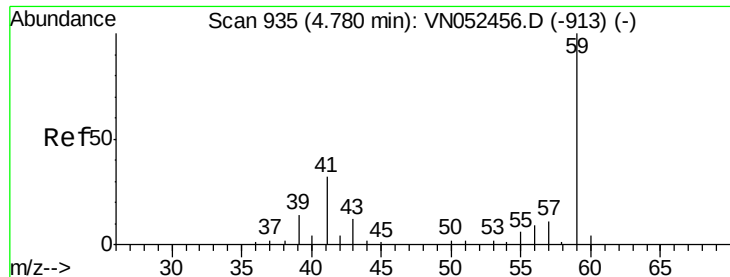
#22
 cis-1,2-Dichloroethene
 Concen: 20.385 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052711.D
 Acq: 6 Dec 2018 21:45

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.3	116.7	175.1	
98	64.0	50.8	76.2	



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 107.083 ug/l m

RT: 4.78 min Scan# 934

Delta R.T. -0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBS02

Tot Ion: 59 Resp: 50080

Ion Ratio Lower Upper

59 100

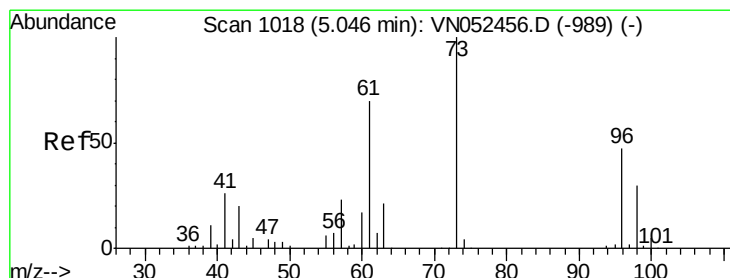
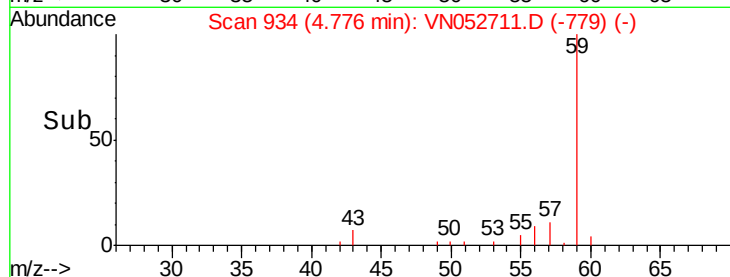
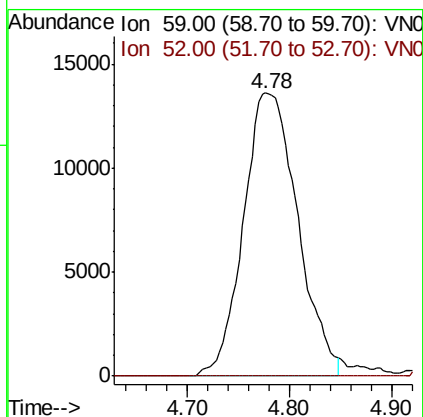
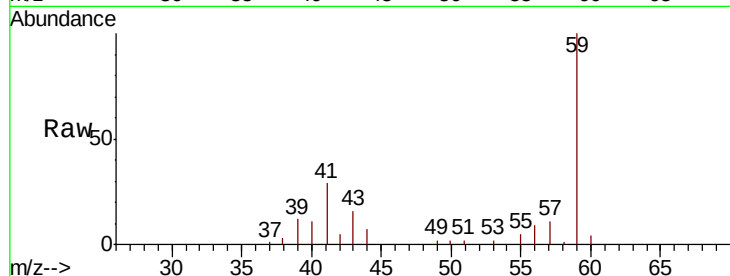
52 0.0 0.0 0.0

Manual Integrations

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#24

Methyl tert-Butyl Ether

Concen: 20.983 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052711.D

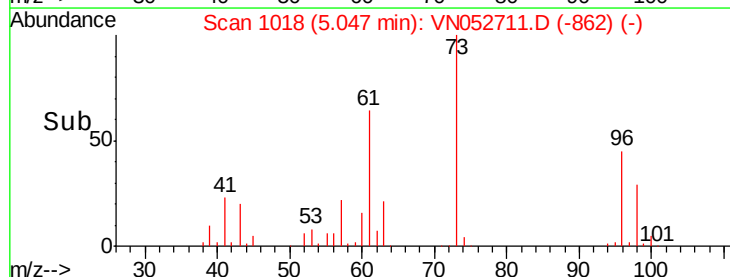
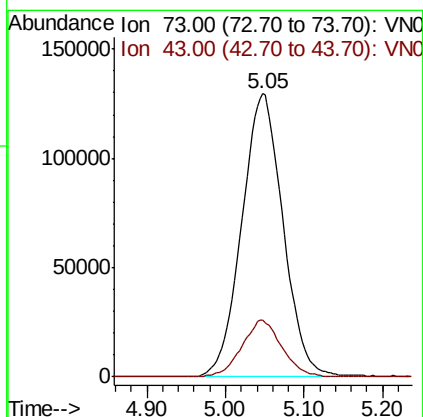
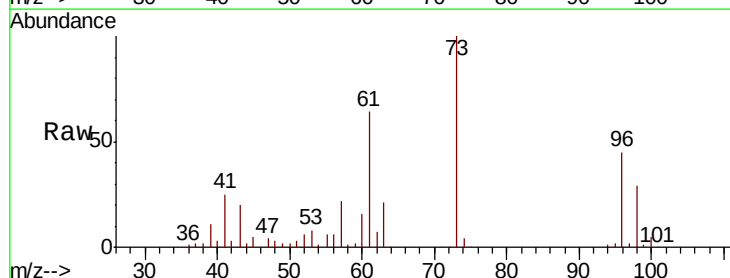
Acq: 6 Dec 2018 21:45

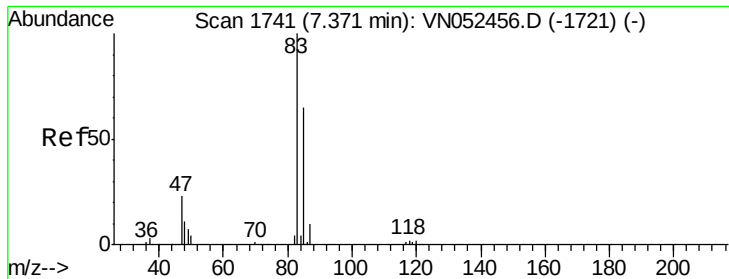
Tgt Ion: 73 Resp: 478031

Ion Ratio Lower Upper

73 100

43 19.1 15.8 23.8





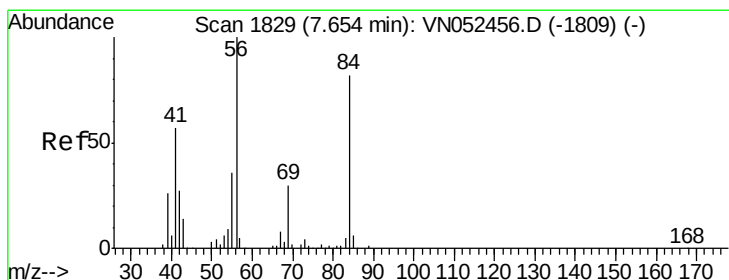
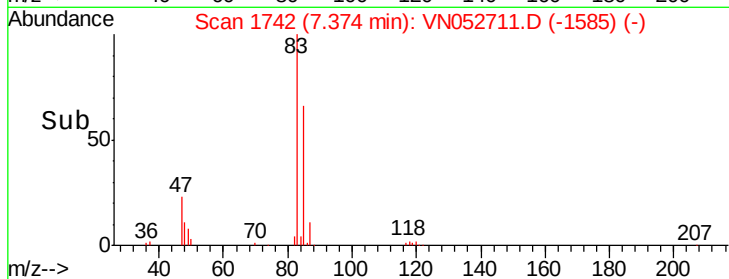
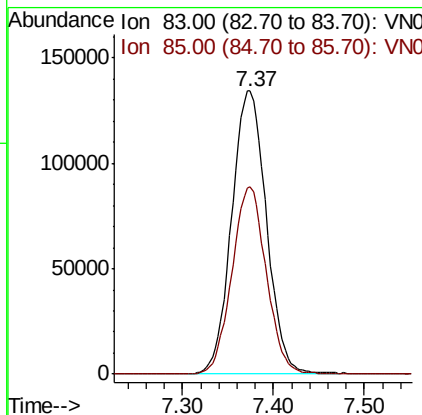
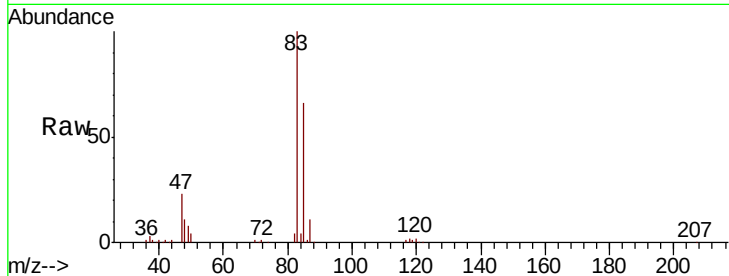
#25
Chloroform
Concen: 20.424 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS02

Tot Ion	83	Resp	357413
Ion Ratio	Lower	Upper	
83	100		
85	66.2	51.7	77.5

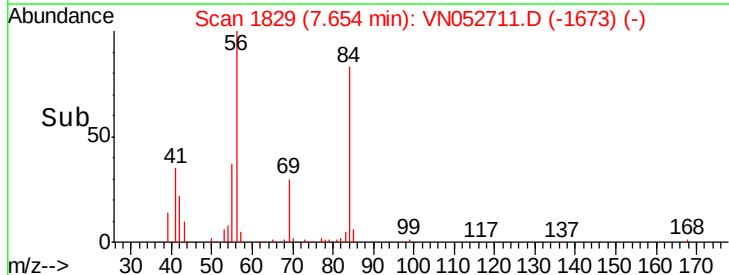
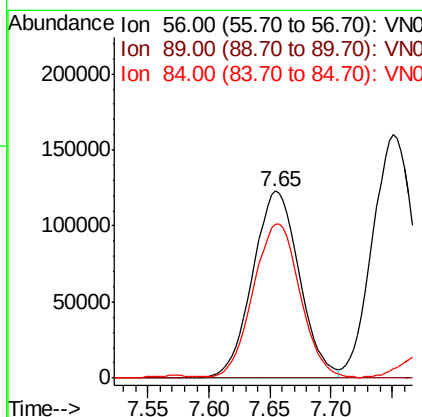
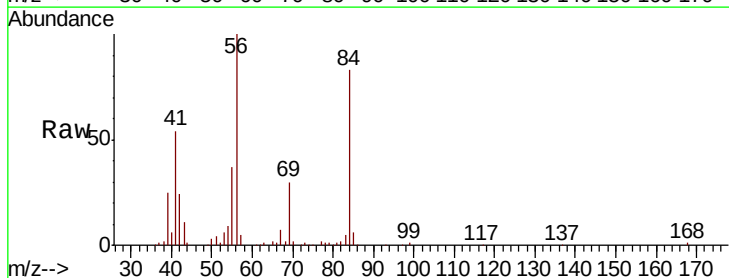
Manual Integrations
APPROVED

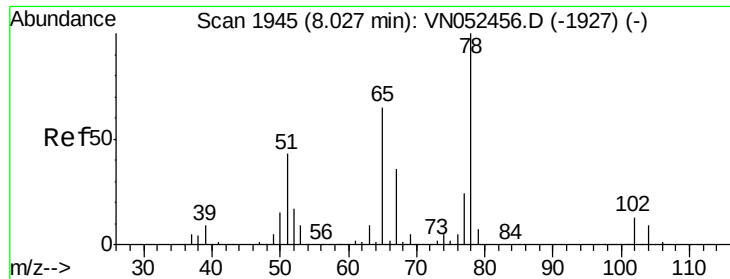
MMDadoda
12/7/2018 1:13:06 PM



#26
Cyclohexane
Concen: 19.128 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Tgt Ion	56	Resp	327243
Ion Ratio	Lower	Upper	
56	100		
89	0.0	0.5	0.7#
84	83.2	66.2	99.2





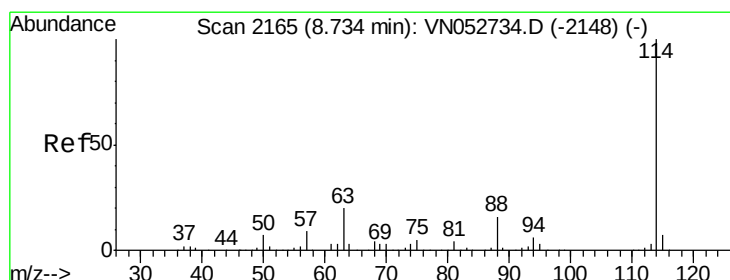
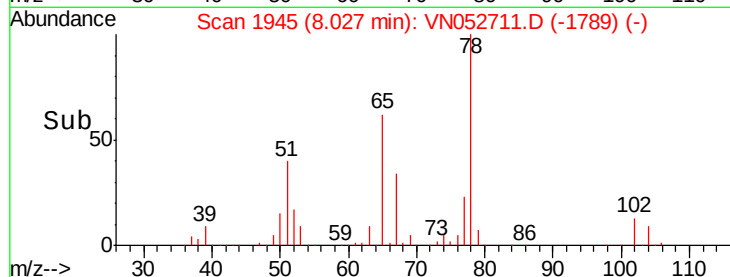
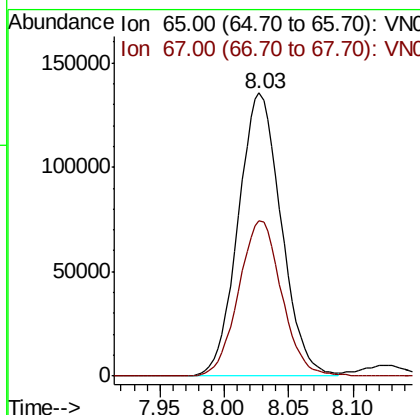
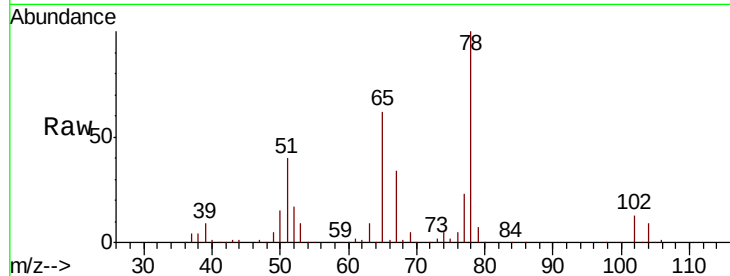
#27
 1,2-Dichloroethane-d4
 Concen: 19.128 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052711.D
 Acq: 6 Dec 2018 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.9	44.6	66.8

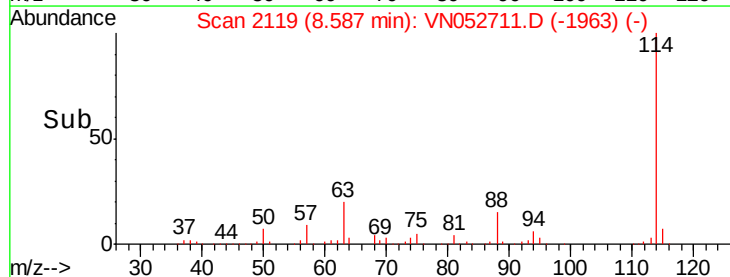
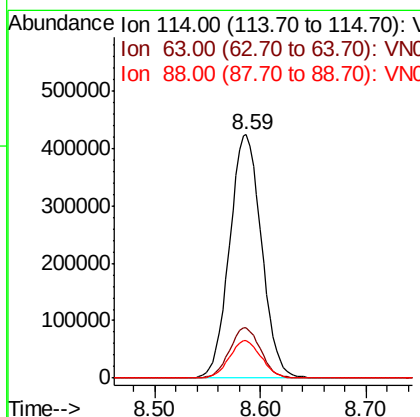
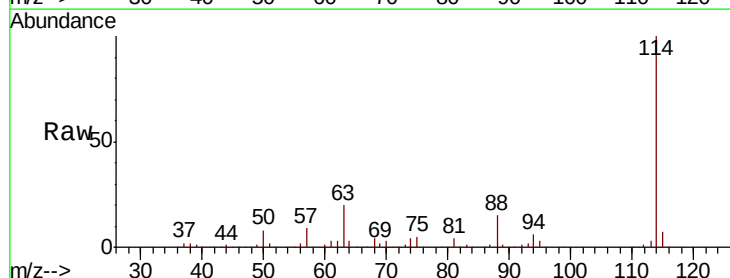
Manual Integrations
 APPROVED

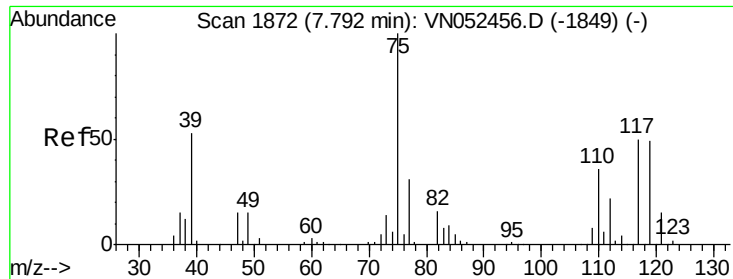
MMDadoda
 12/7/2018 1:13:06 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052711.D
 Acq: 6 Dec 2018 21:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	16.9	25.3
88	15.4	12.8	19.2





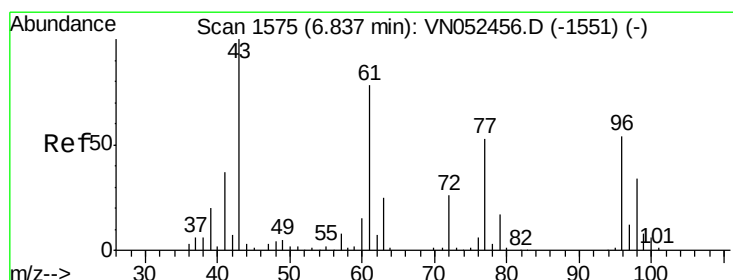
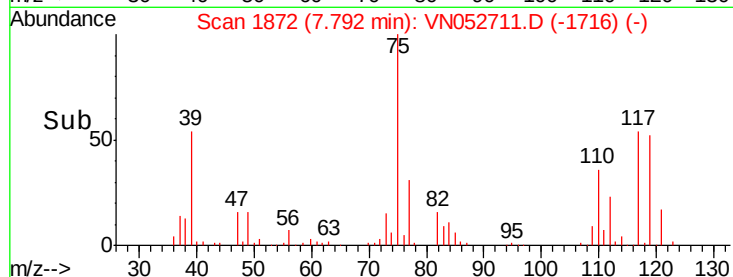
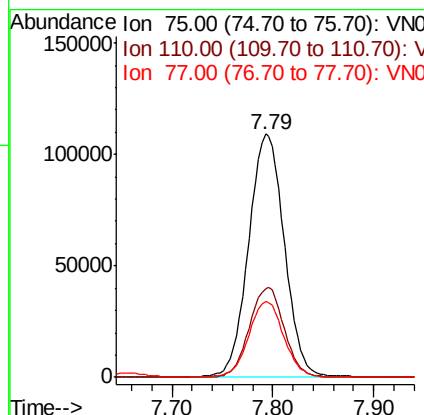
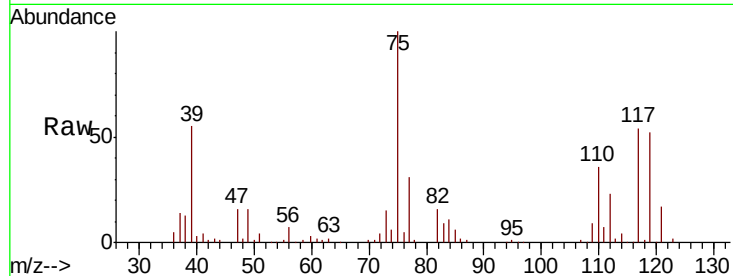
#29
 1,1-Dichloropropene
 Concen: 19.746 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052711.D
 Acq: 6 Dec 2018 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBS02

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	35.9	0.0	70.2
77	30.8	0.0	62.6

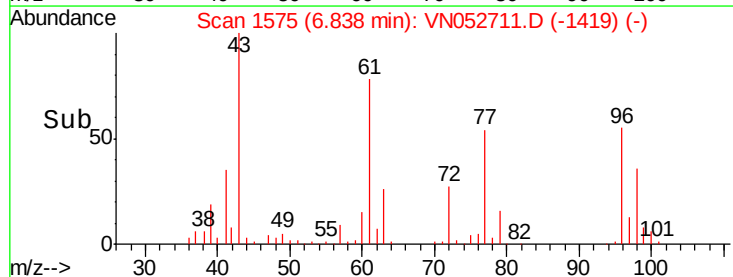
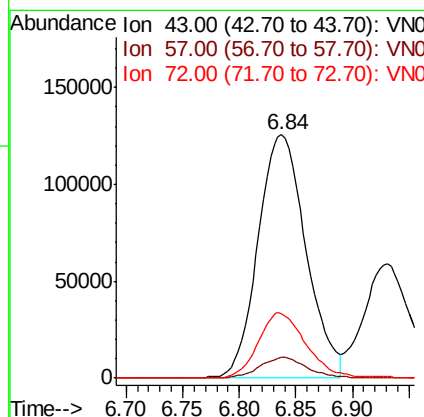
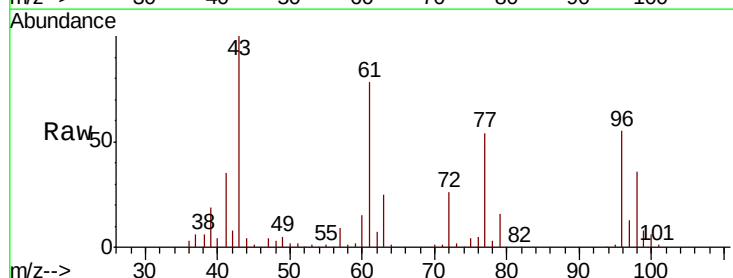
Manual Integrations
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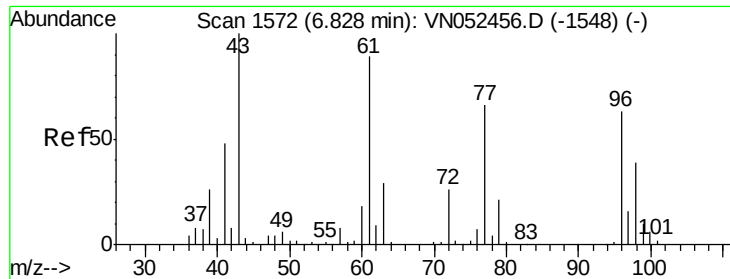
MMDadoda
 12/7/2018 1:13:06 PM



#30
 2-Butanone
 Concen: 101.105 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052711.D
 Acq: 6 Dec 2018 21:45

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.4	6.2	9.4
72	26.8	21.0	31.6





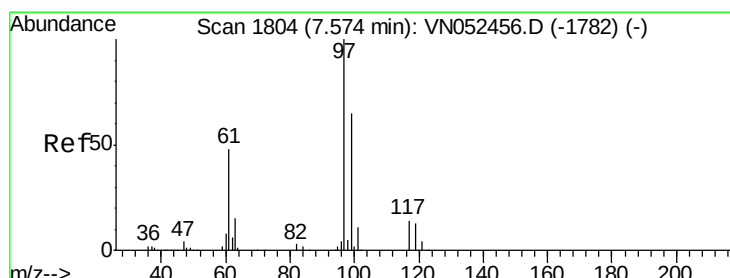
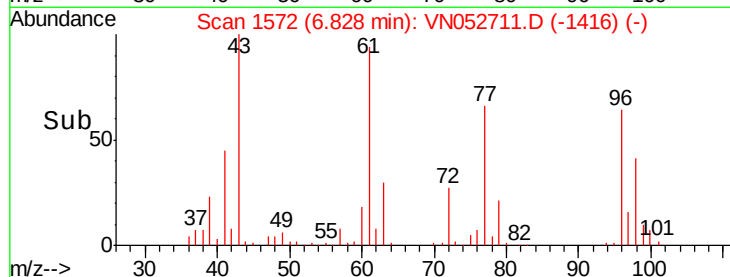
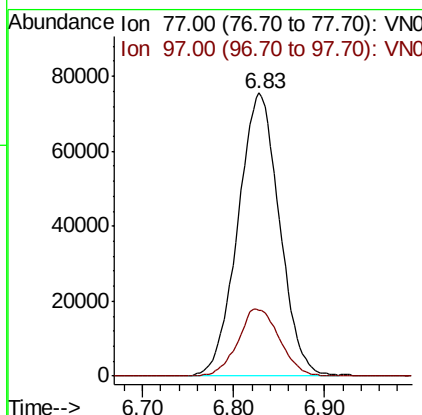
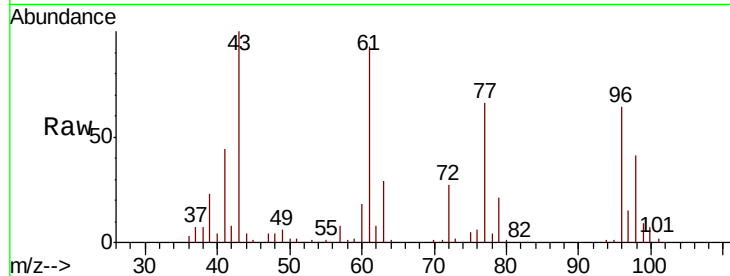
#31
 2,2-Dichloropropane
 Concen: 19.117 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052711.D
 Acq: 6 Dec 2018 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBS02

Tot Ion: 77 Resp: 239185
 Ion Ratio Lower Upper
 77 100
 97 23.8 18.7 28.1

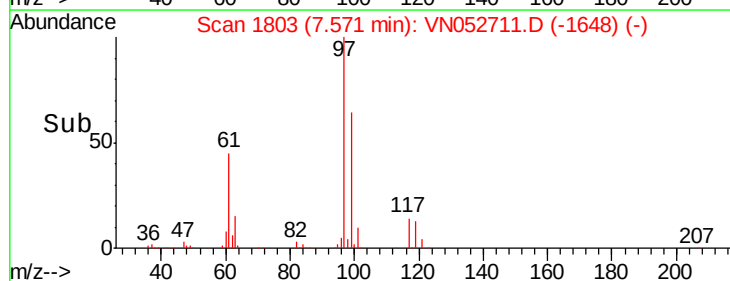
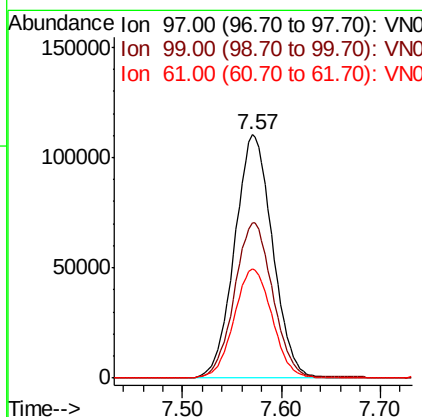
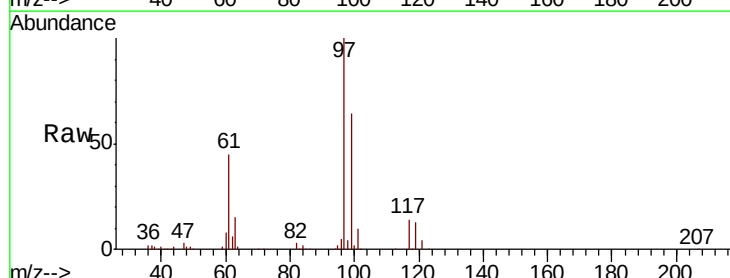
Manual Integrations
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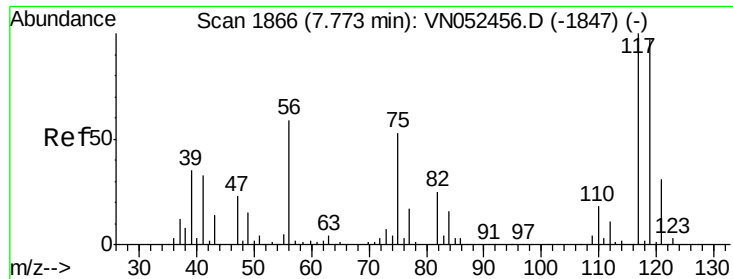
MMDadoda
 12/7/2018 1:13:06 PM



#32
 1,1,1-Trichloroethane
 Concen: 20.777 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN052711.D
 Acq: 6 Dec 2018 21:45

Tgt Ion: 97 Resp: 293816
 Ion Ratio Lower Upper
 97 100
 99 64.6 50.9 76.3
 61 45.1 38.1 57.1





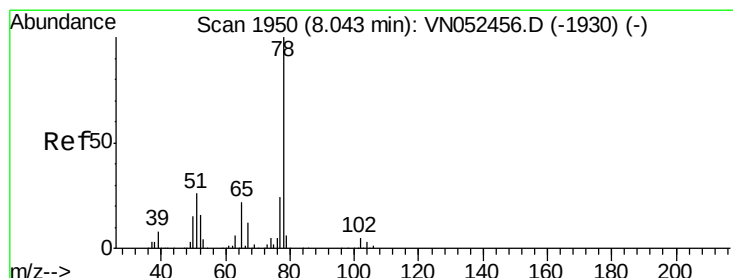
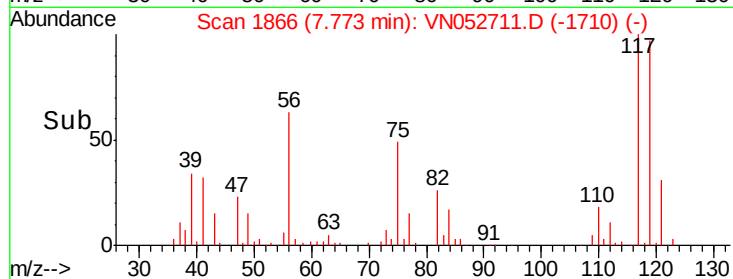
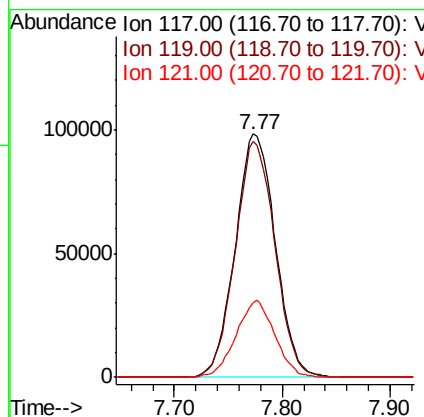
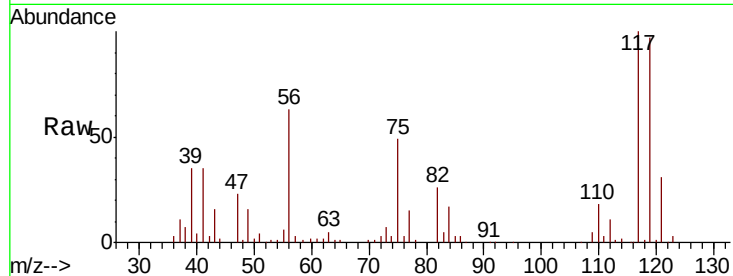
#33
Carbon Tetrachloride
Concen: 20.586 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Instrument :
MSVOA_N
ClientSampled :
VN1206WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.3	115.9
121	30.5	24.9	37.3

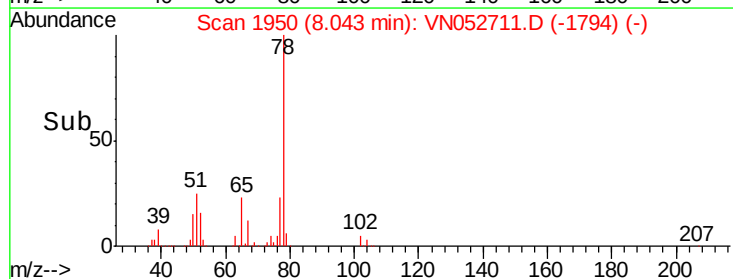
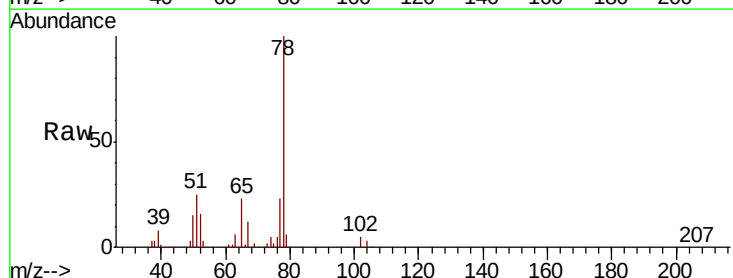
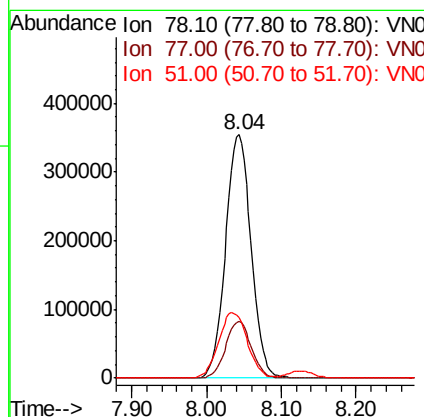
Manual Integrations
APPROVED

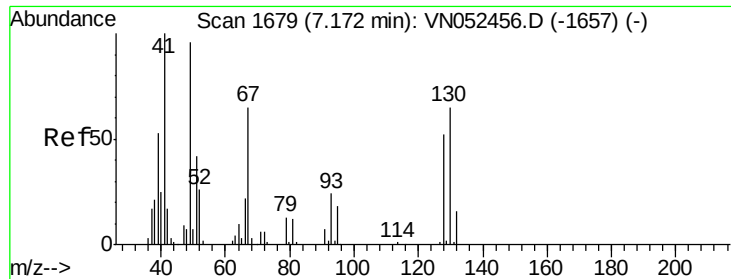
MMDadoda
12/7/2018 1:13:06 PM



#34
Benzene
Concen: 20.487 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.6
51	24.6	20.5	30.7





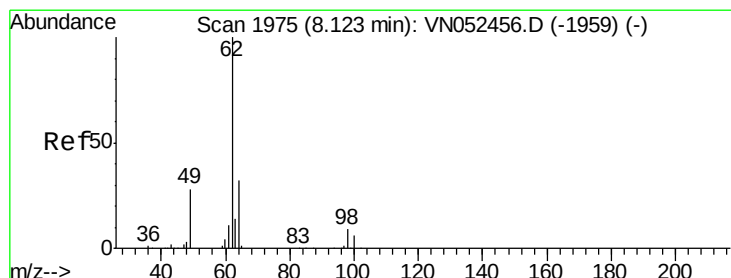
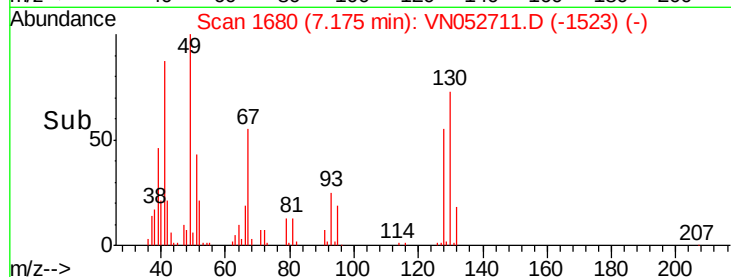
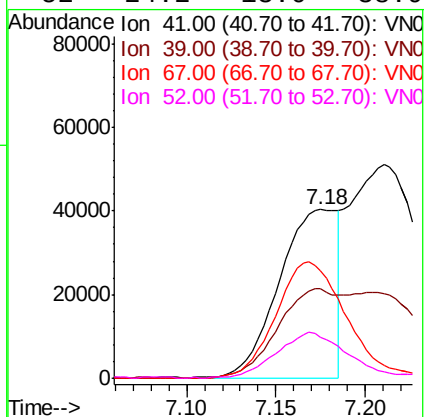
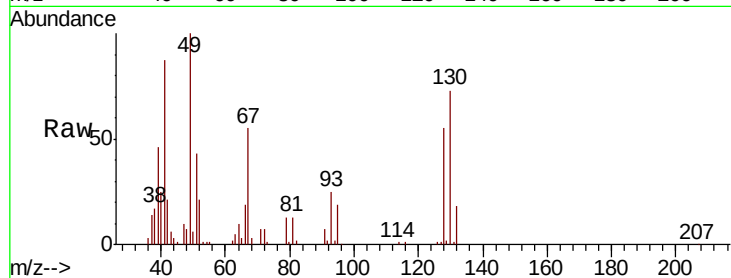
#35
Methacrylonitrile
Concen: 20.309 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.8	26.6	79.7	
67	63.5	32.3	96.9	
52	24.2	13.0	38.9	

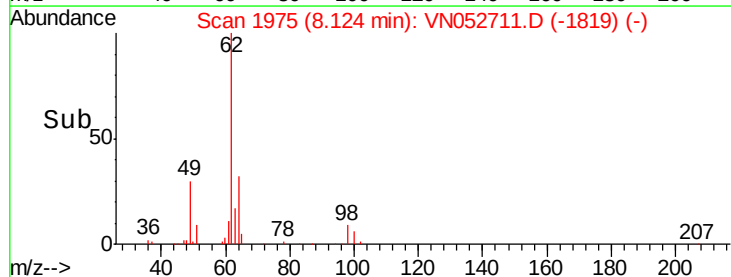
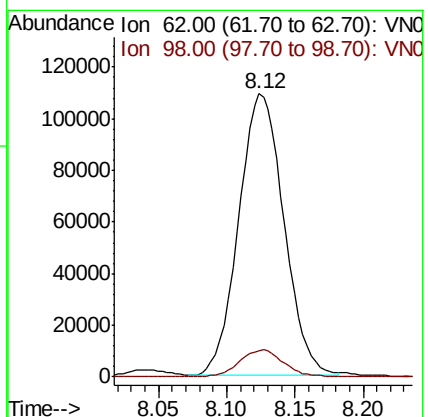
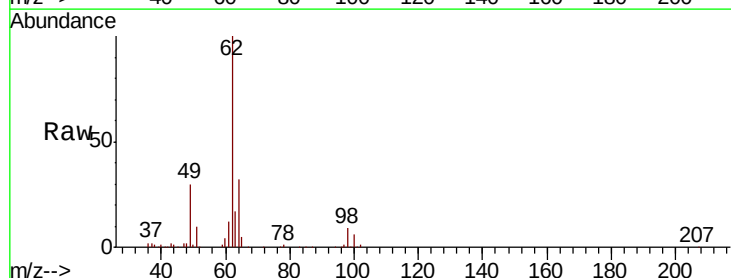
Manual Integrations
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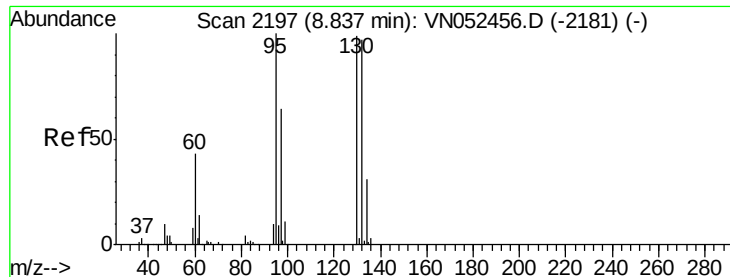
MMDadoda
12/7/2018 1:13:06 PM



#36
1,2-Dichloroethane
Concen: 20.276 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	7.4	11.2	





#37

Trichloroethene

Concen: 20.697 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

Instrument :

MSVOA_N

ClientSampled :

VN1206WBS02

Tot Ion:130 Resp: 214452

Ion Ratio Lower Upper

130 100

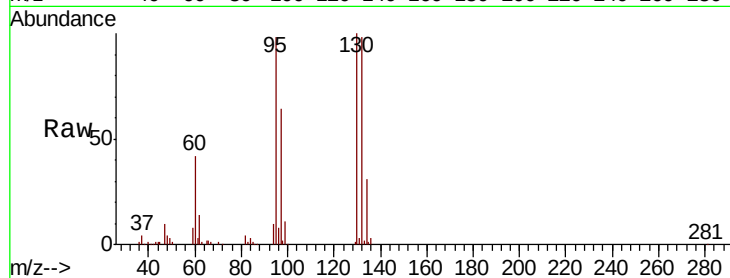
95 98.3 81.0 121.4

Manual Integrations

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MMDadoda

12/7/2018 1:13:06 PM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

100000

80000

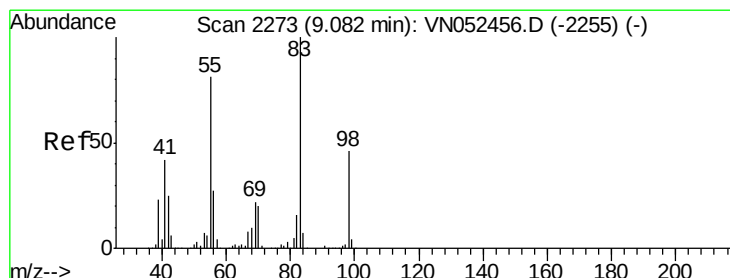
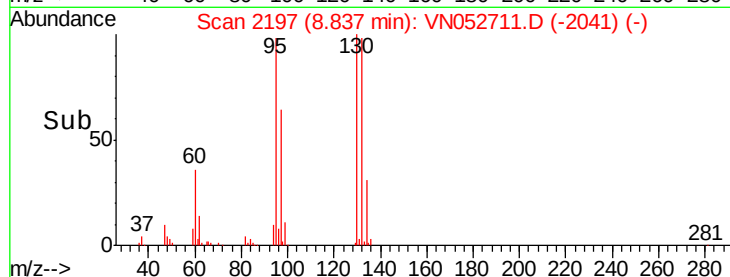
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 18.906 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

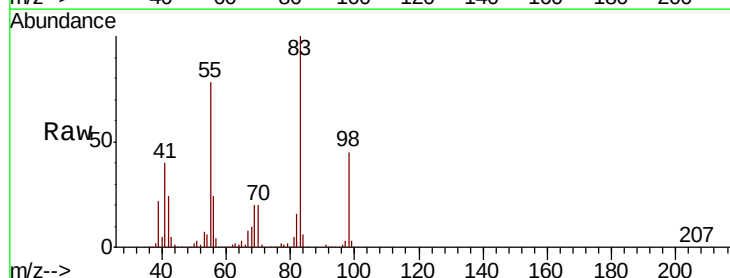
Tgt Ion: 83 Resp: 318069

Ion Ratio Lower Upper

83 100

55 77.8 39.8 119.4

98 45.8 22.9 68.5



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

200000

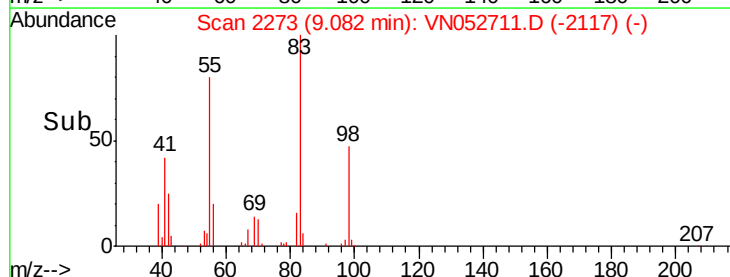
150000

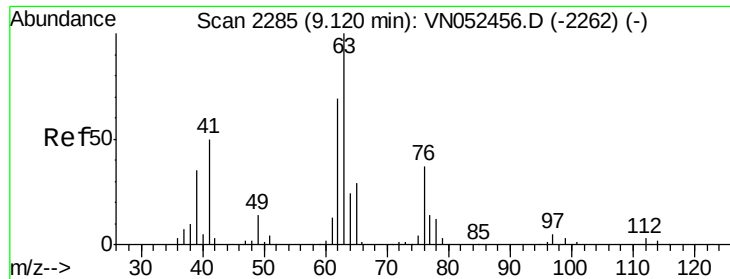
100000

50000

0

Time-->





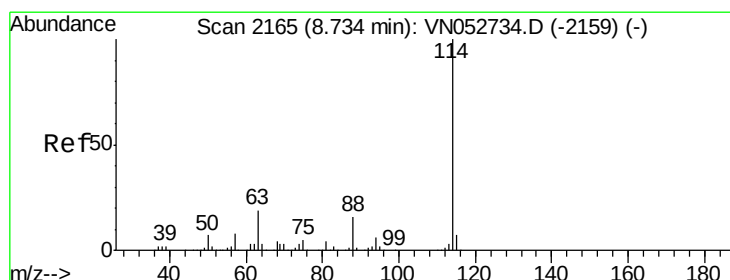
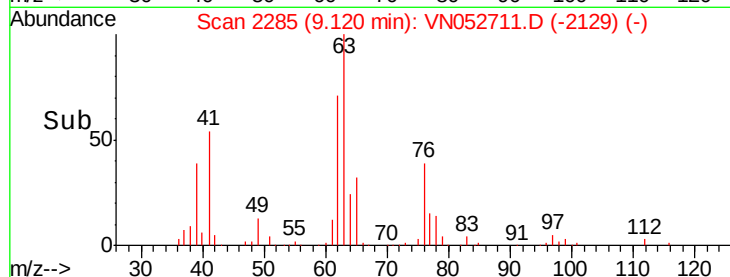
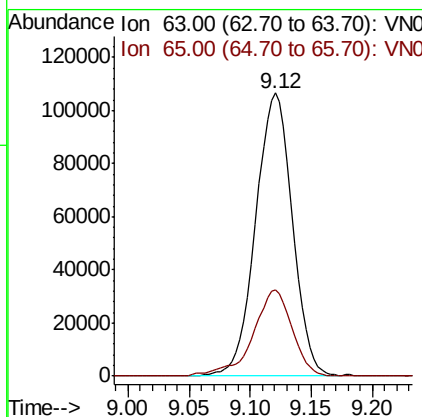
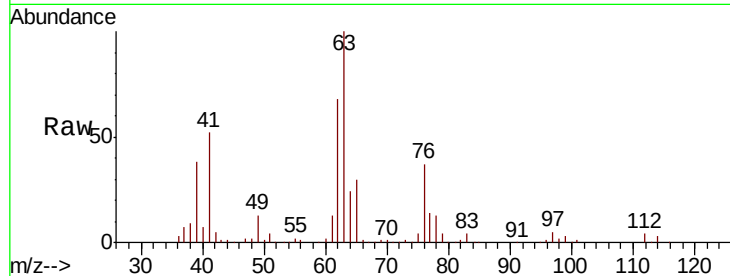
#39
 1,2-Dichloropropane
 Concen: 20.332 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052711.D
 Acq: 6 Dec 2018 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBS02

Tot Ion	63	Resp	222697
Ion Ratio	Lower	Upper	
63	100		
65	30.2	23.6	35.4

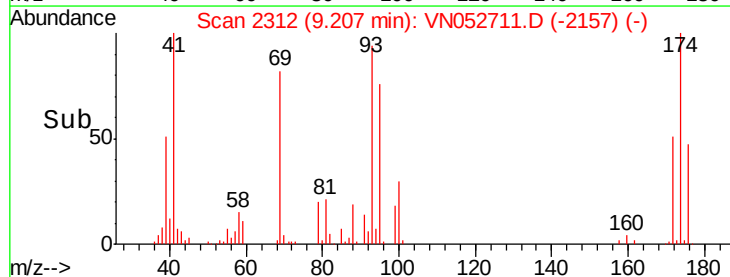
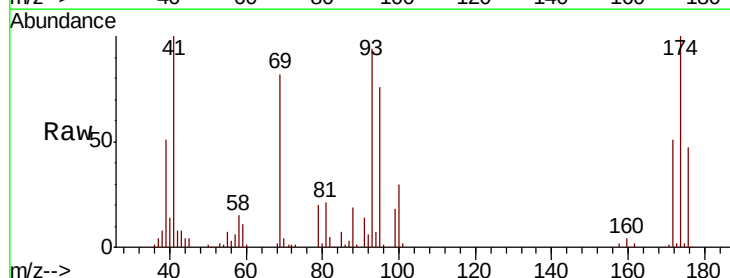
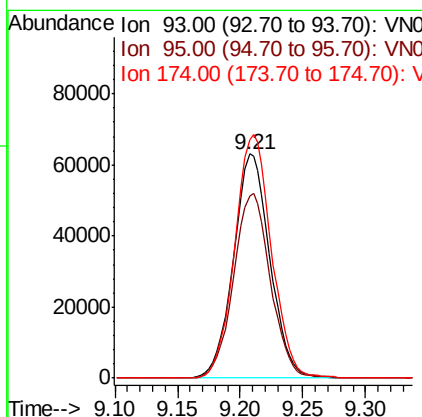
Manual Integrations
 APPROVED

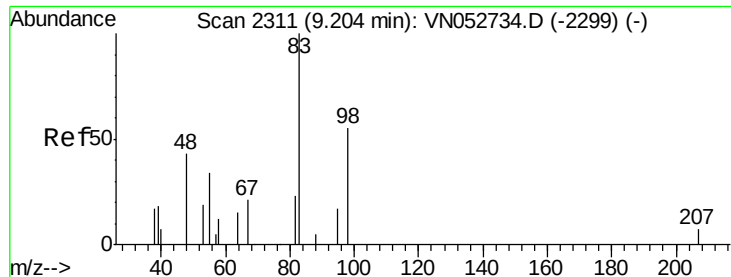
MMDadoda
 12/7/2018 1:13:06 PM



#40
 Dibromomethane
 Concen: 21.475 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052711.D
 Acq: 6 Dec 2018 21:45

Tgt Ion	93	Resp	127107
Ion Ratio	Lower	Upper	
93	100		
95	83.6	0.0	168.4
174	109.7	0.0	210.0





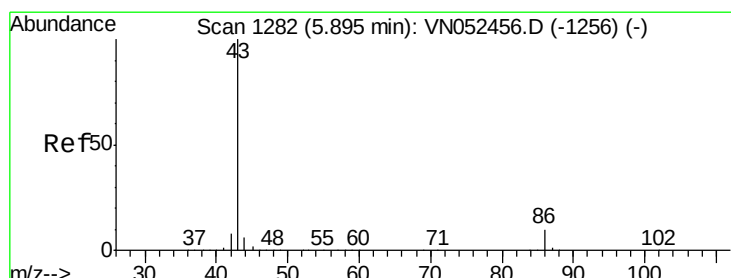
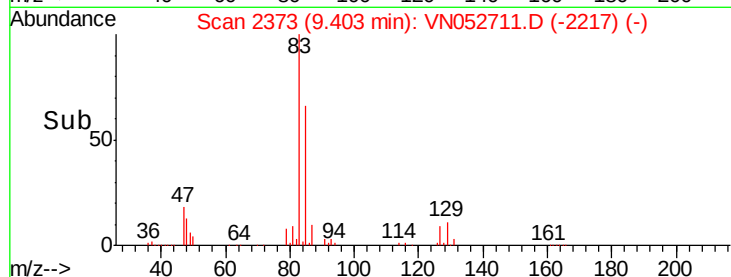
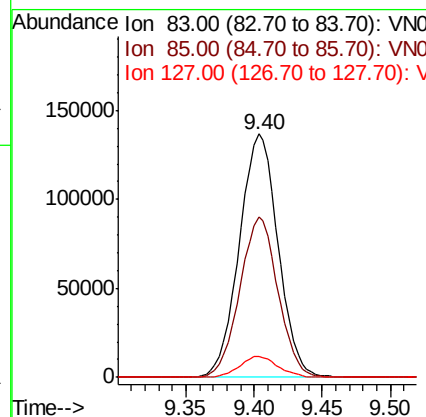
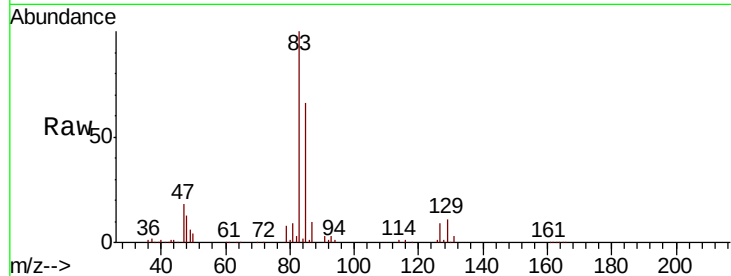
#41
 Bromodichloromethane
 Concen: 20.624 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN052711.D
 Acq: 6 Dec 2018 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBS02

Tot Ion	83	Resp	269698
Ion Ratio	100	Lower	Upper
83	100		
85	65.7	52.4	78.6
127	8.7	6.6	9.8

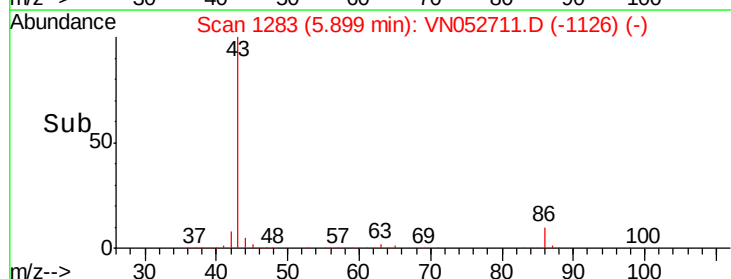
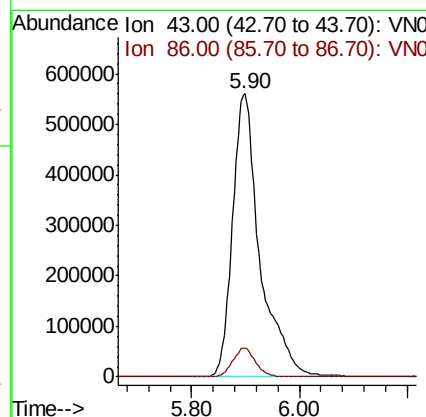
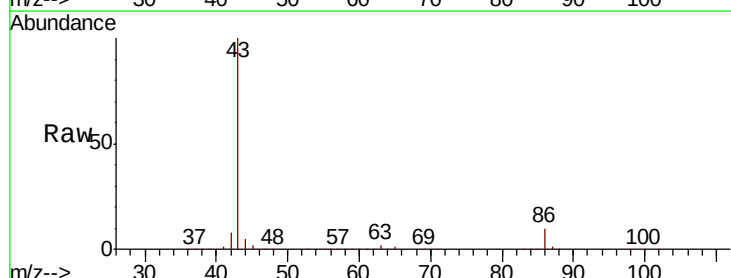
Manual Integrations
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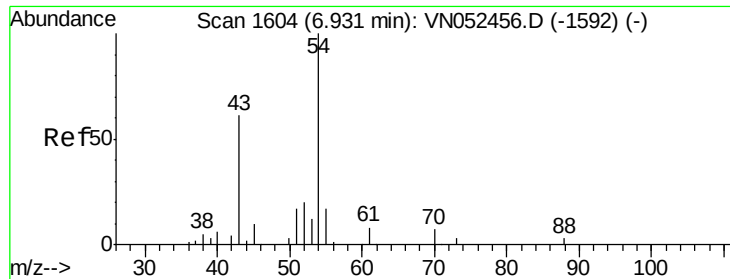
MMDadoda
 12/7/2018 1:13:06 PM



#42
 Vinyl Acetate
 Concen: 100.765 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN052711.D
 Acq: 6 Dec 2018 21:45

Tgt Ion	43	Resp	1982708
Ion Ratio	100	Lower	Upper
43	100		
86	8.6	6.5	9.7





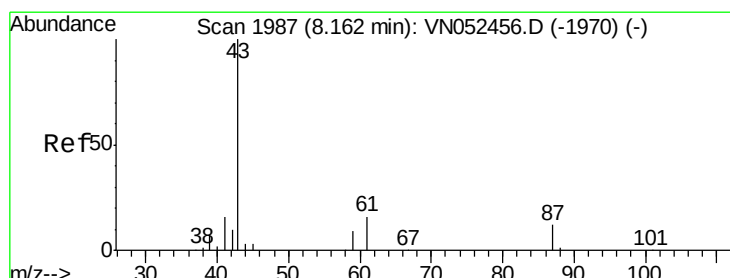
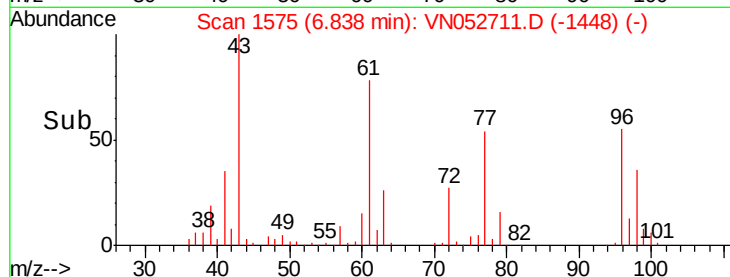
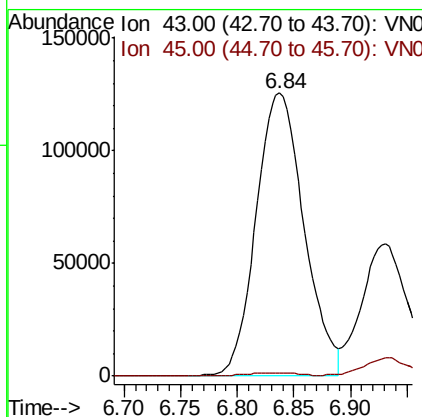
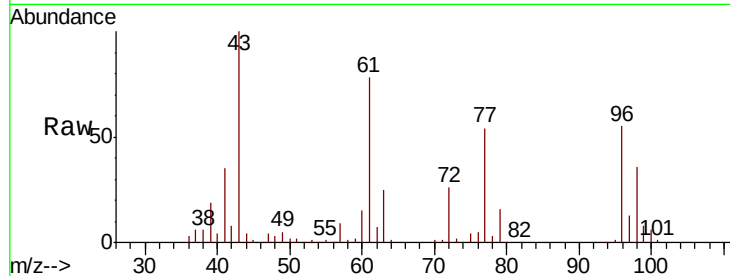
#43
Ethyl Acetate
Concen: 47.548 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.09 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS02

Tot Ion: 43 Resp: 367682
Ion Ratio Lower Upper
43 100
45 1.2 1.0 1.6

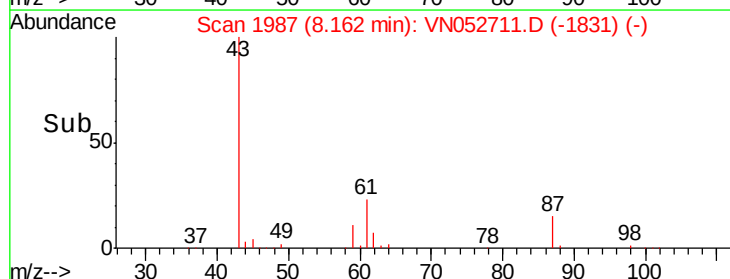
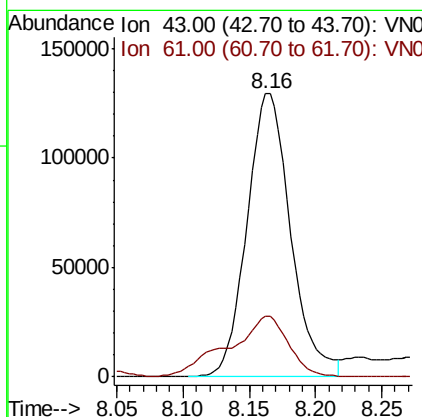
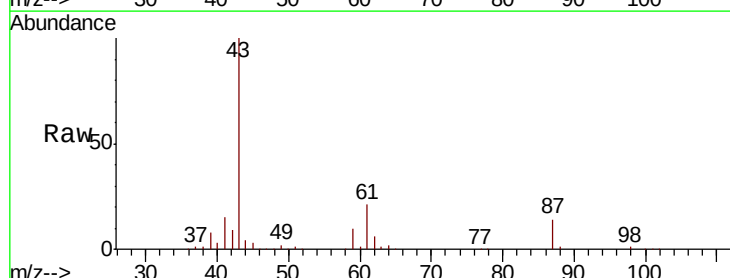
Manual Integrations
APPROVED

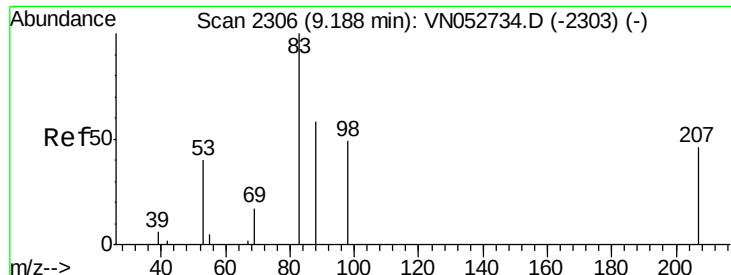
MMDadoda
12/7/2018 1:13:06 PM



#44
Isopropyl Acetate
Concen: 21.764 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Tgt Ion: 43 Resp: 295171
Ion Ratio Lower Upper
43 100
61 19.0 16.0 24.0





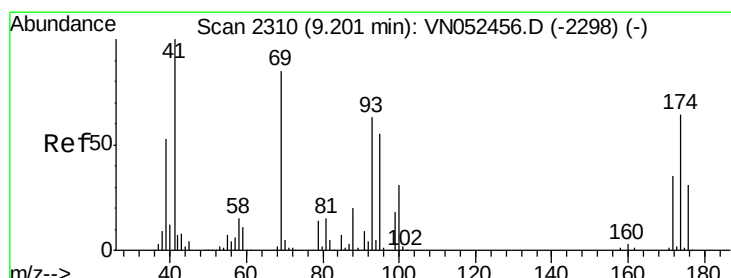
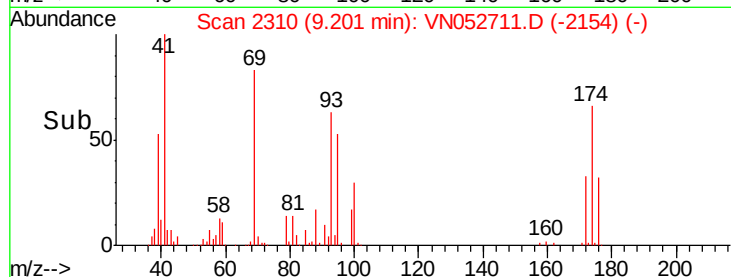
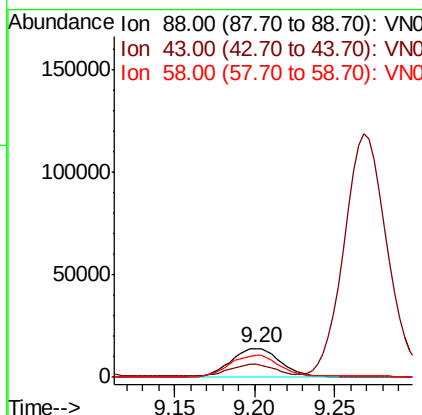
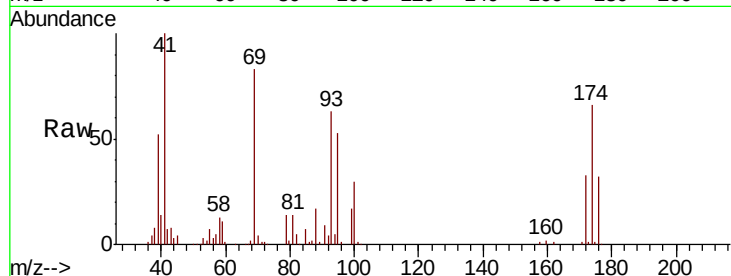
#45
 1,4-Dioxane
 Concen: 407.747 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052711.D
 Acq: 6 Dec 2018 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBS02

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	37.1	29.5	44.3	
58	75.5	61.5	92.3	

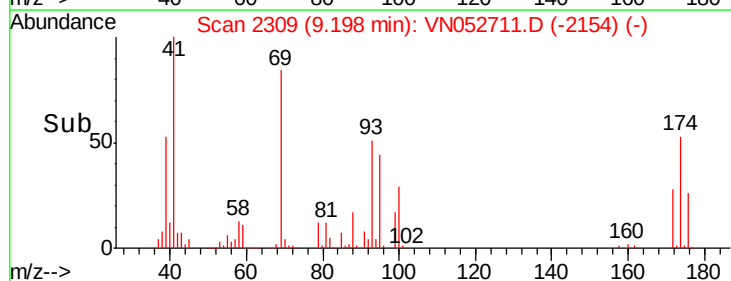
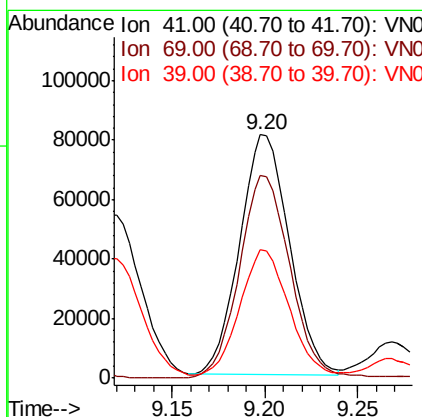
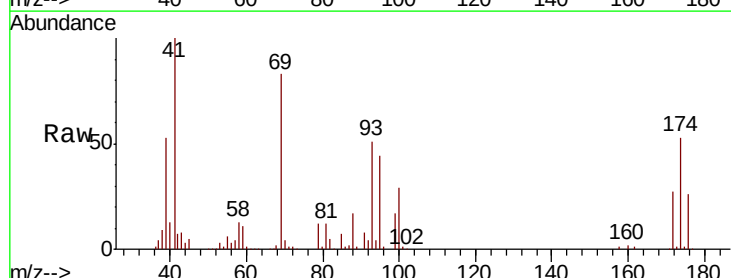
Manual Integrations
 APPROVED

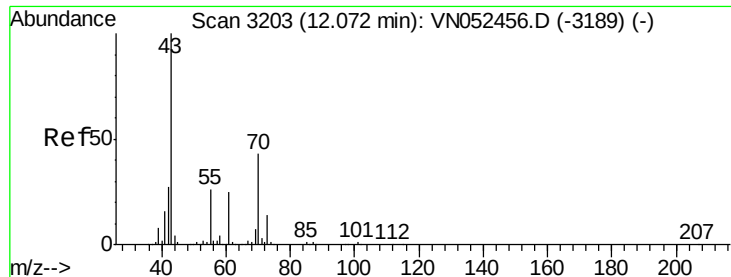
MMDadoda
 12/7/2018 1:13:06 PM



#46
 Methyl methacrylate
 Concen: 21.439 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052711.D
 Acq: 6 Dec 2018 21:45

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	84.2	42.5	127.6	
39	51.9	26.3	78.9	





#47

n-amvl Acetate

Concen: 19.948 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBS02

Tot Ion: 43 Resp: 224315

Ion Ratio Lower Upper

43 100

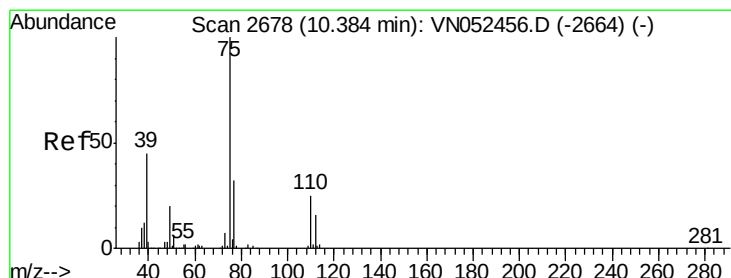
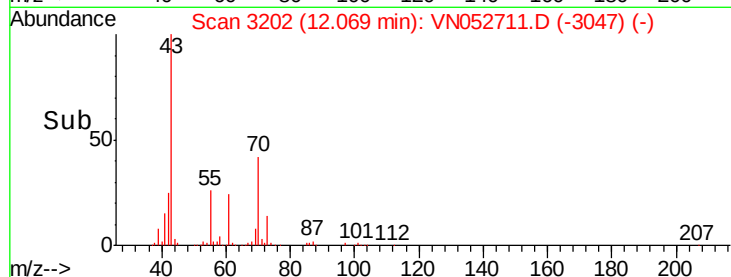
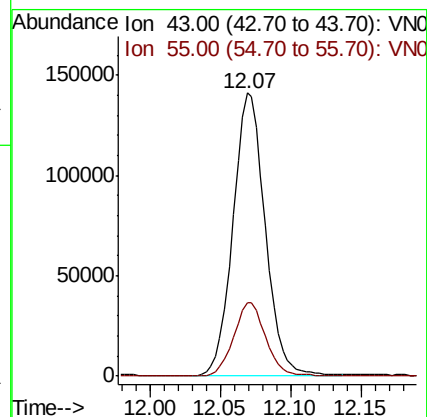
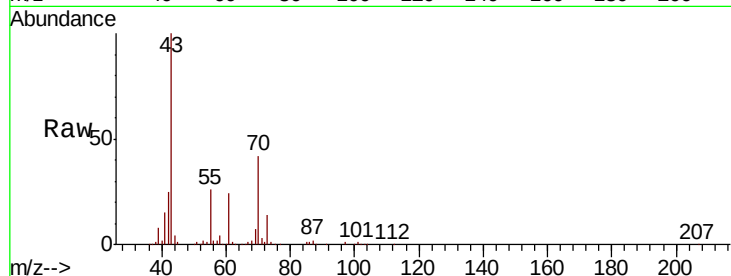
55 26.1 21.1 31.7

Manual Integrations

APPROVED

MMDadoda

12/7/2018 1:13:06 PM



#48

t-1,3-Dichloropropene

Concen: 20.094 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052711.D

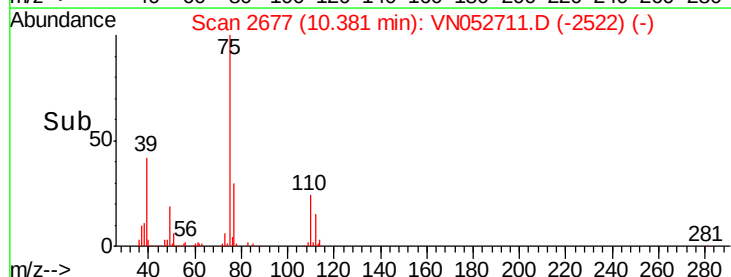
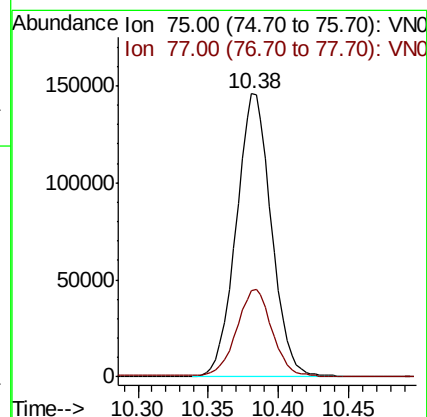
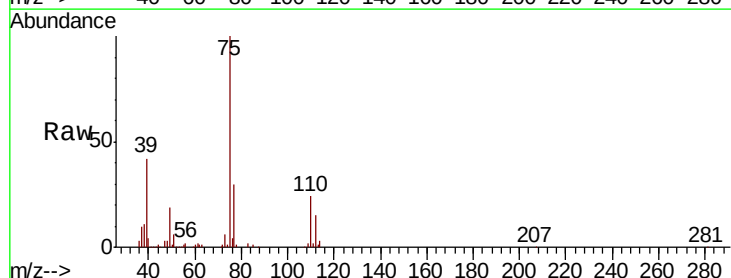
Acq: 6 Dec 2018 21:45

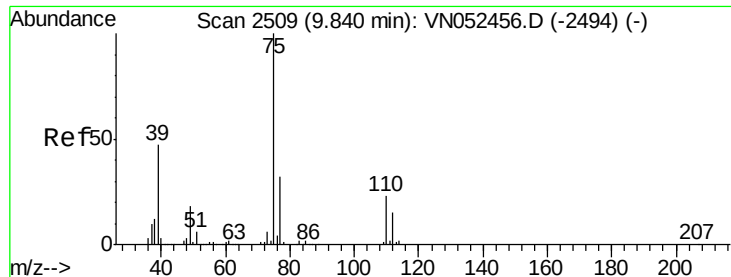
Tgt Ion: 75 Resp: 254787

Ion Ratio Lower Upper

75 100

77 30.0 25.6 38.4





#49

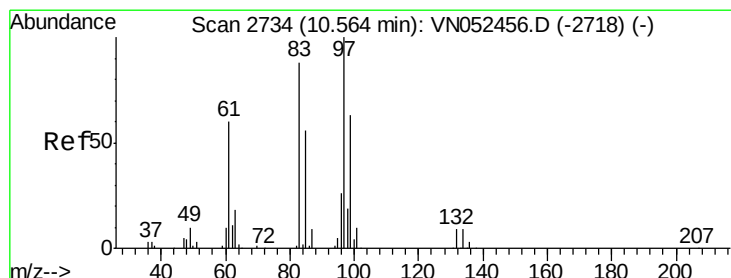
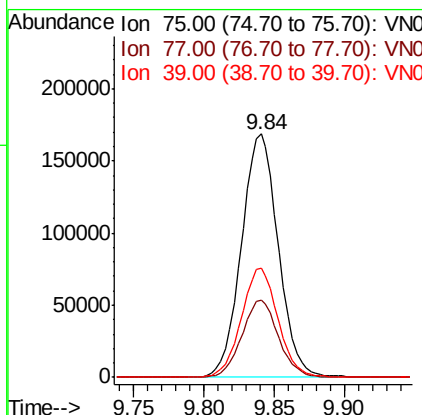
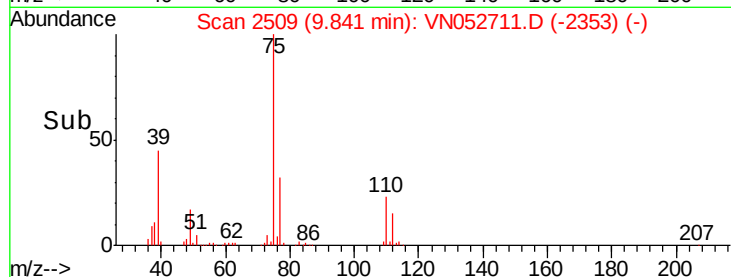
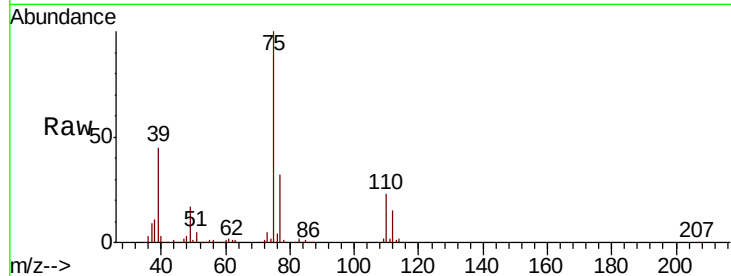
cis-1,3-Dichloropropene
Concen: 19.972 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	44.5	37.3	55.9

Manual Integrations
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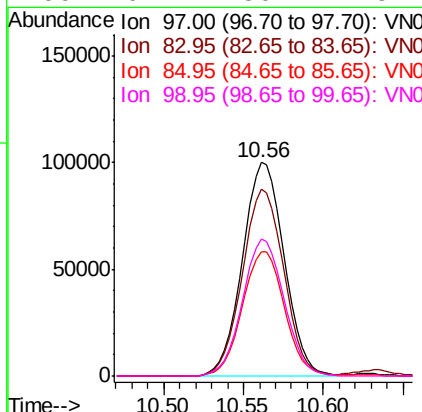
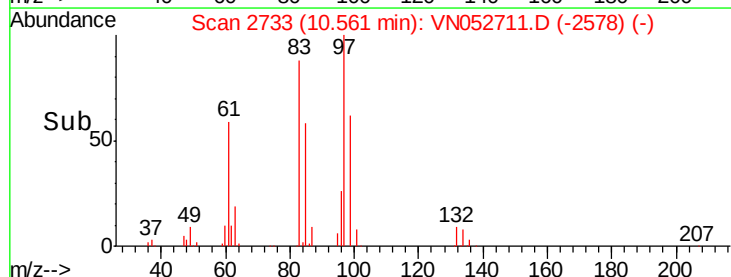
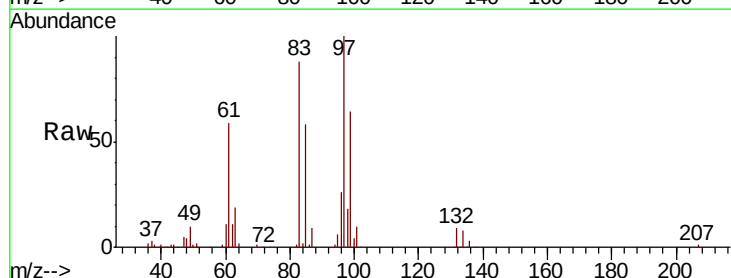
MMDadoda
12/7/2018 1:13:06 PM

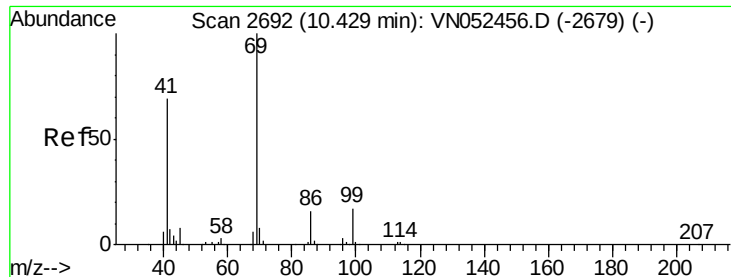


#50

1,1,2-Trichloroethane
Concen: 21.280 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.4	105.6
85	58.4	45.0	67.6
99	64.4	50.2	75.2





#51

Ethyl methacrylate

Concen: 20.857 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

Instrument :

MSVOA_N

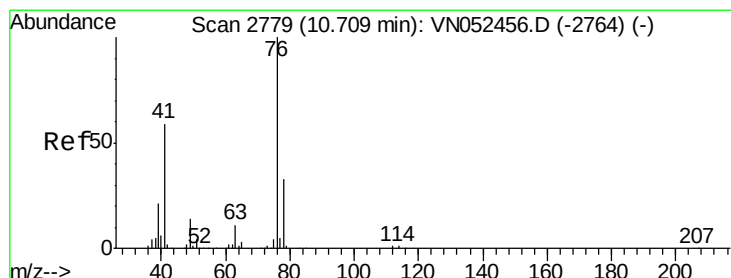
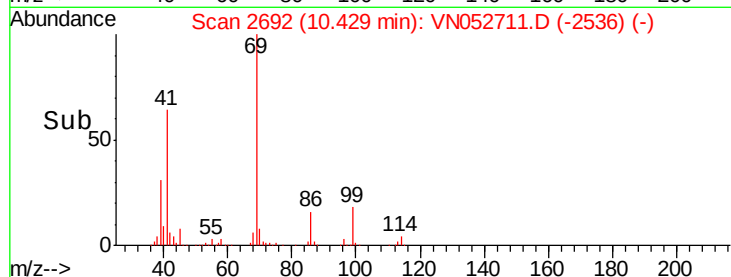
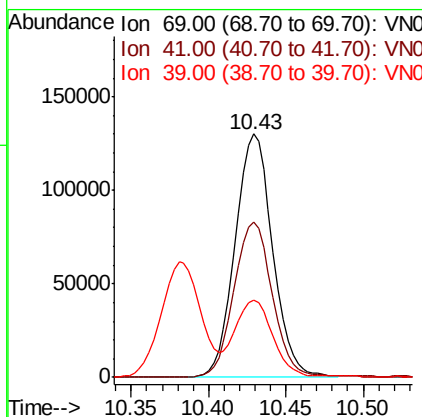
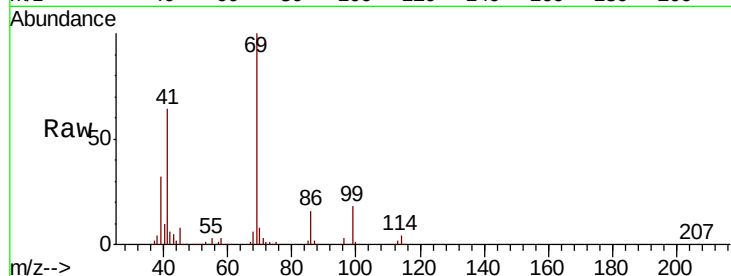
ClientSampleId :

VN1206WBS02

Tot Ion:	69	Resp:	219780
Ion	Ratio	Lower	Upper
69	100		
41	63.6	34.4	103.3
39	31.2	16.4	49.2

Manual Integrations
APPROVED

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12/7/2018 1:13:06 PM



#52

1,3-Dichloropropane

Concen: 20.998 ug/l

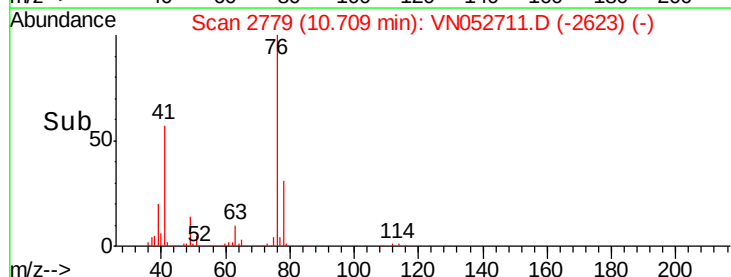
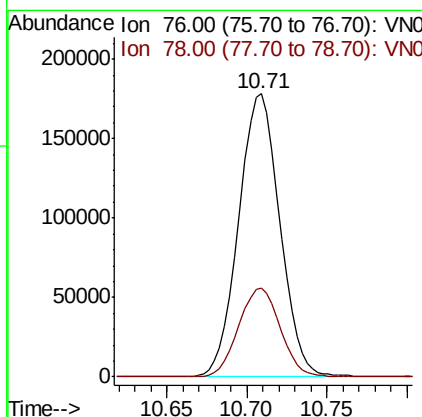
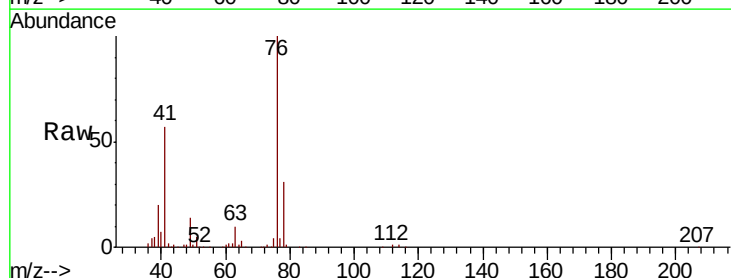
RT: 10.71 min Scan# 2779

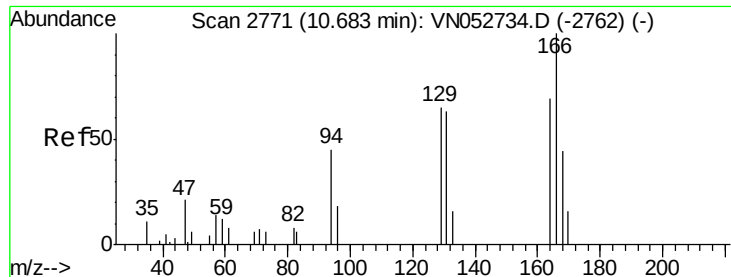
Delta R.T. 0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

Tgt Ion:	76	Resp:	313580
Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	64.8





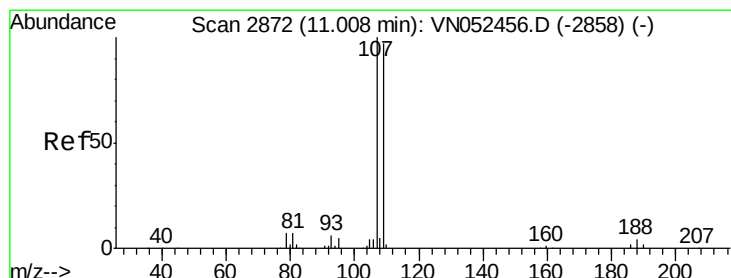
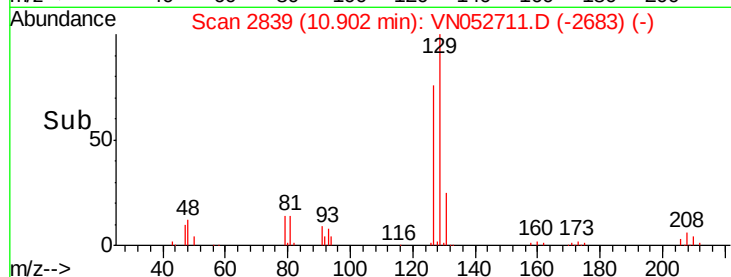
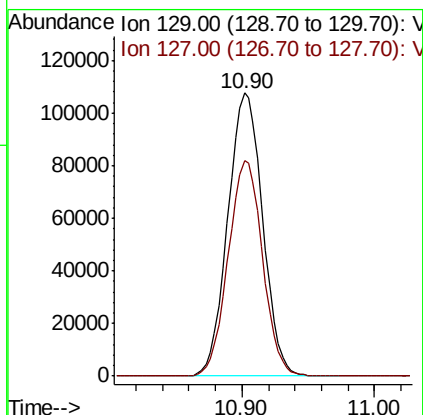
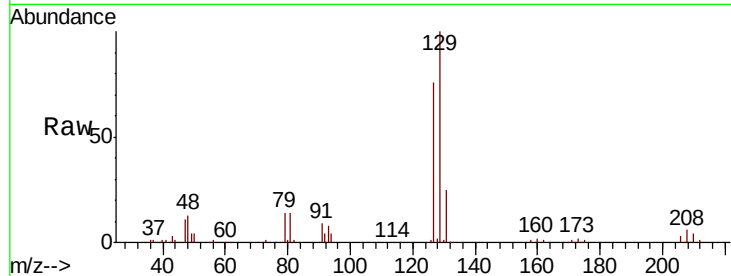
#53
Dibromochloromethane
Concen: 21.259 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS02

Tot Ion:129 Resp: 196373
Ion Ratio Lower Upper
129 100
127 75.2 37.6 112.8

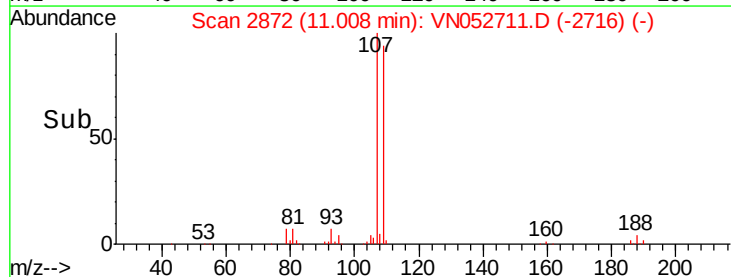
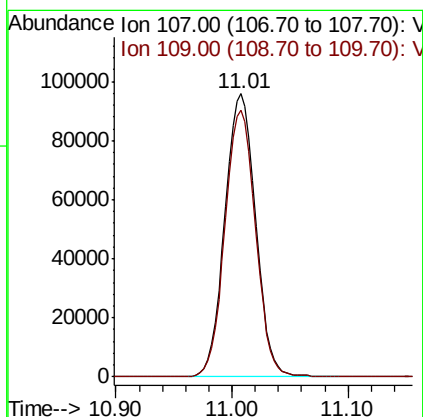
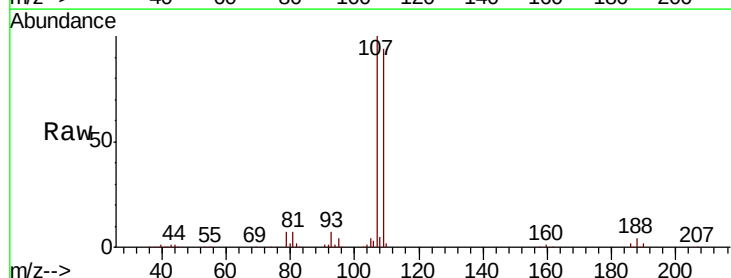
Manual Integrations
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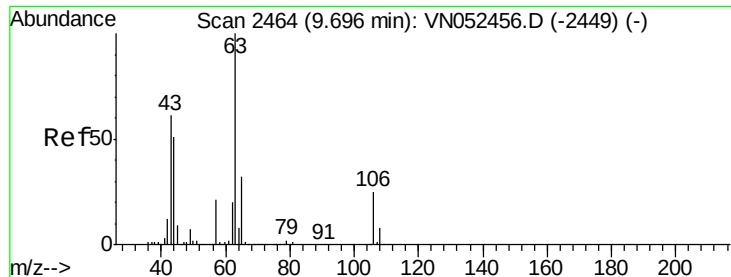
MMDadoda
12/7/2018 1:13:06 PM



#54
1,2-Dibromoethane
Concen: 21.416 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Tgt Ion:107 Resp: 175579
Ion Ratio Lower Upper
107 100
109 93.8 77.1 115.7





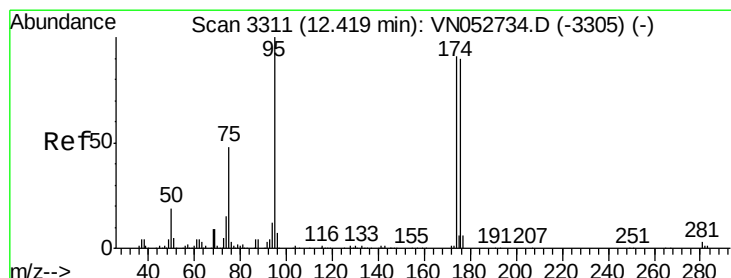
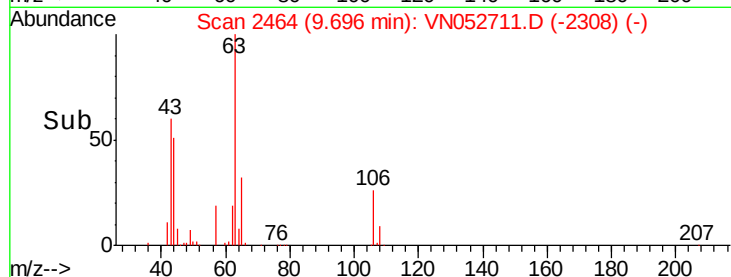
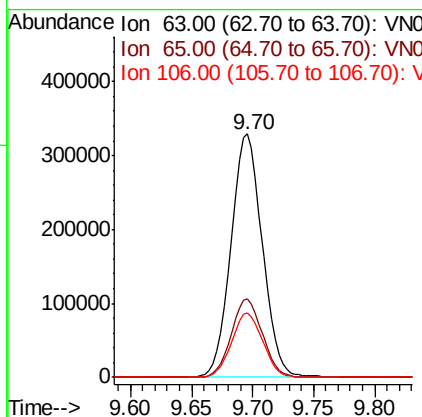
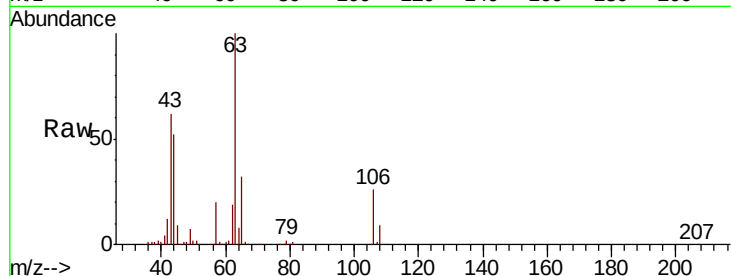
#55
2-Chloroethyl vinyl ether
Concen: 95.406 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.4	38.2
106	26.3	20.4	30.6

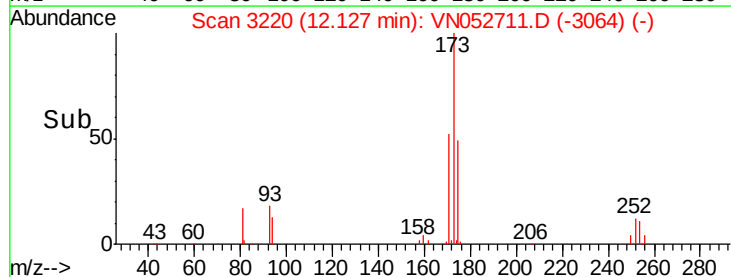
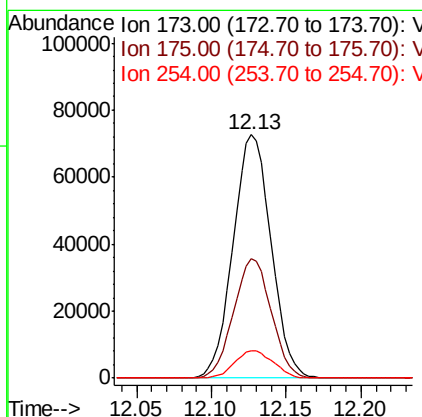
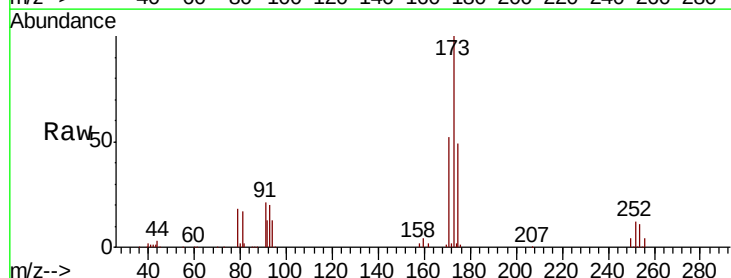
Manual Integrations
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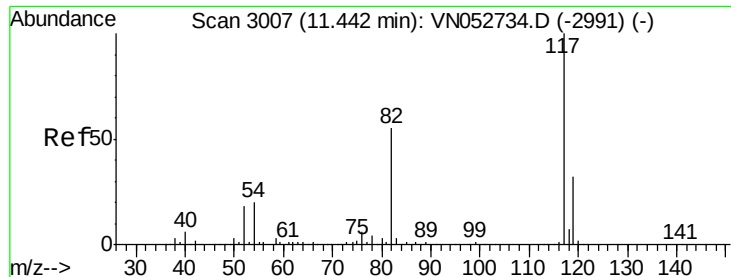
MMDadoda
12/7/2018 1:13:06 PM



#56
Bromoform
Concen: 21.287 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.7	58.1
254	11.3	8.4	12.6





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

Instrument :

MSVOA_N

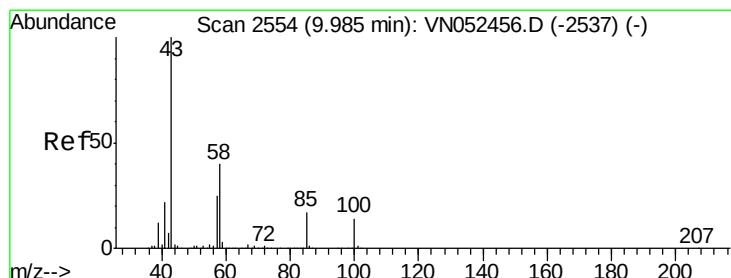
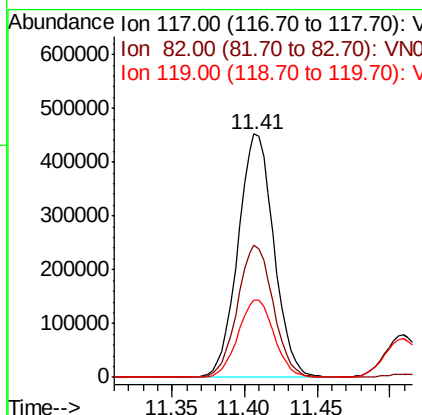
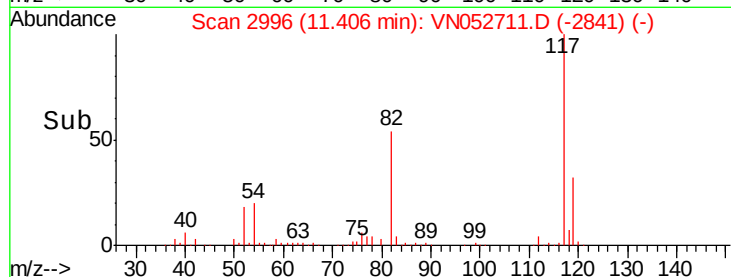
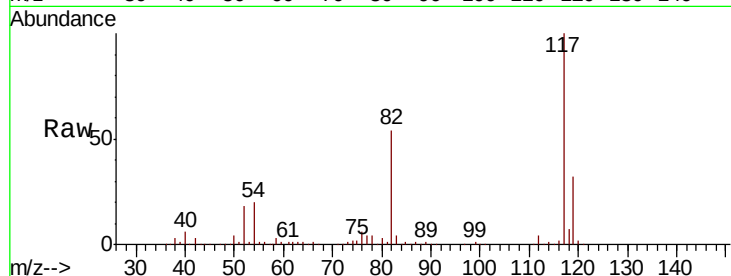
ClientSampleId :

VN1206WBS02

Tot Ion:	117	Resp:	776819
Ion Ratio	Lower	Upper	
117	100		
82	54.2	44.2	66.2
119	32.1	25.4	38.2

Manual Integrations
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12/7/2018 1:13:06 PM



#58

4-Methyl-2-Pentanone

Concen: 110.495 ug/l

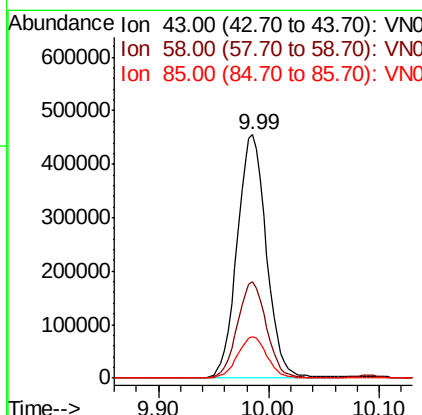
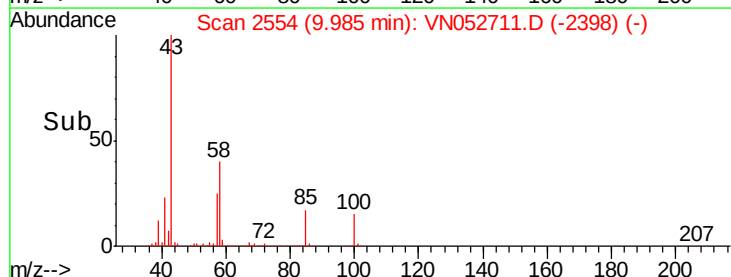
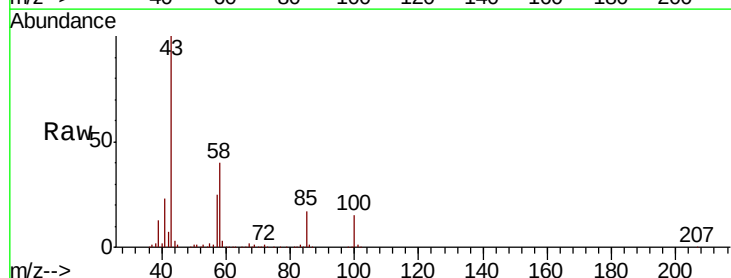
RT: 9.99 min Scan# 2554

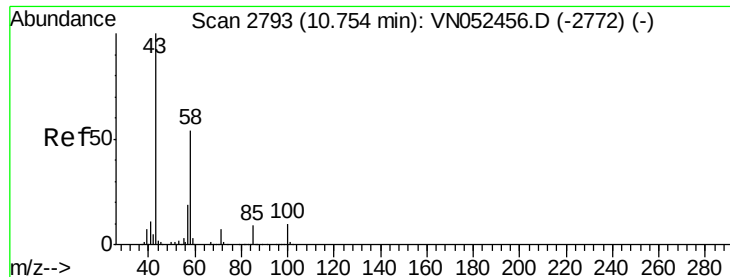
Delta R.T. 0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

Tgt Ion:	43	Resp:	832143
Ion Ratio	Lower	Upper	
43	100		
58	39.6	31.6	47.4
85	17.1	13.3	19.9





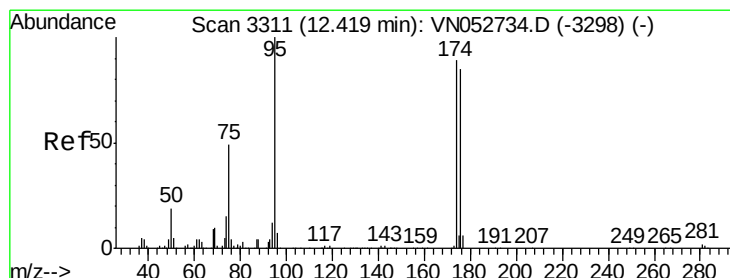
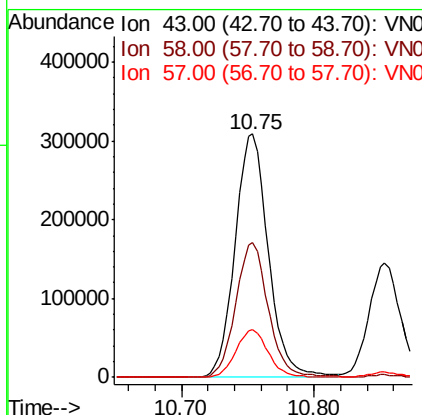
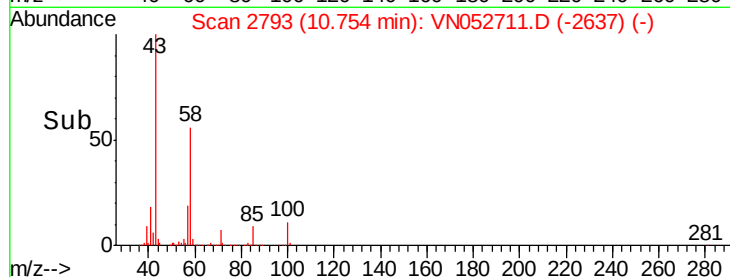
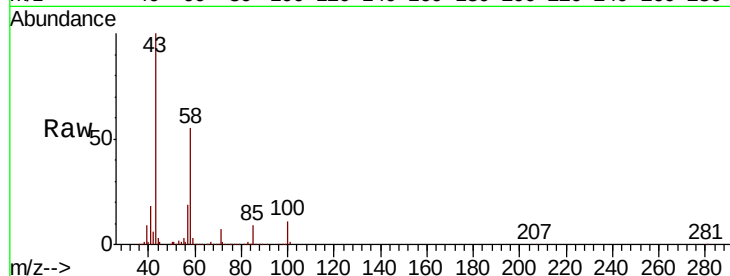
#59
2-Hexanone
Concen: 104.211 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.6	43.2	64.8
57	19.2	14.9	22.3

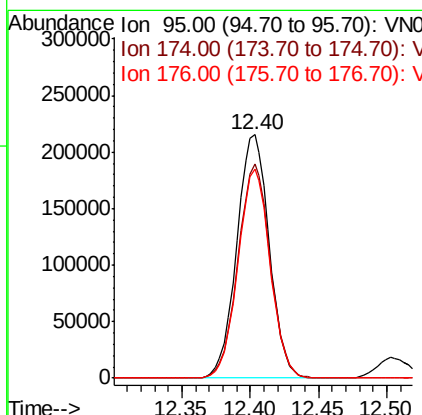
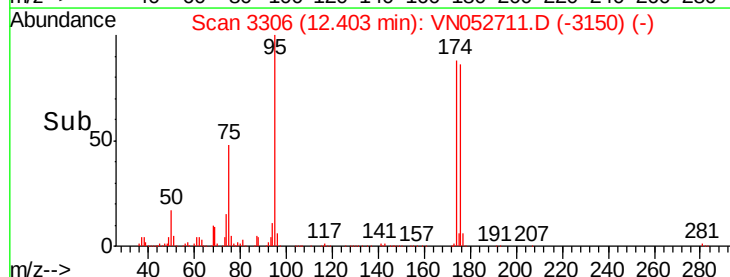
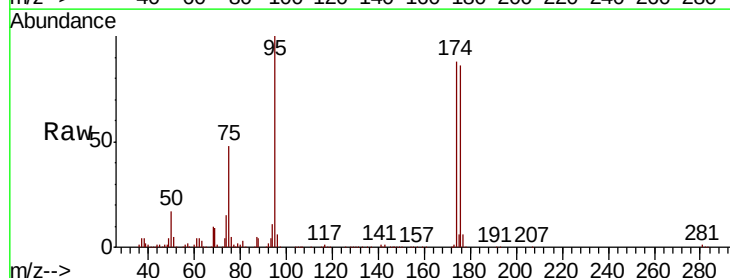
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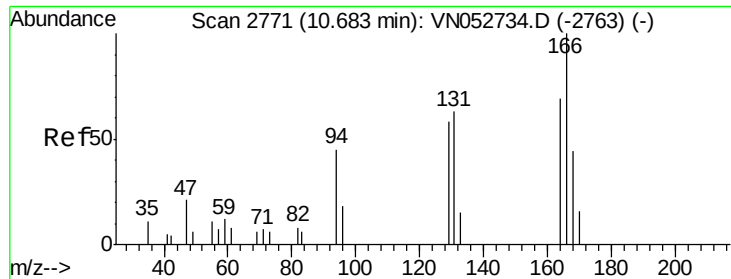
MMDadoda
12/7/2018 1:13:06 PM



#60
4-Bromofluorobenzene
Concen: 104.211 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.3	67.9	101.9
176	85.1	66.4	99.6





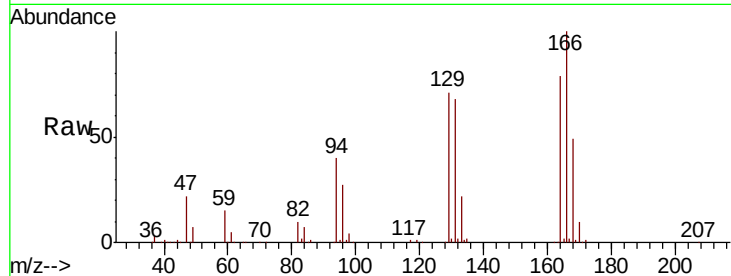
#61
Tetrachloroethene
Concen: 22.597 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS02

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.0	104.6	157.0
129	89.8	75.3	112.9
131	86.0	74.3	111.5

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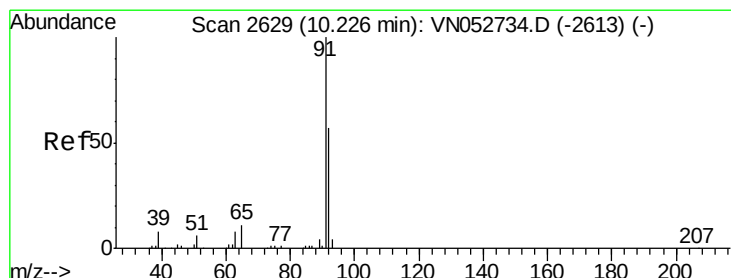
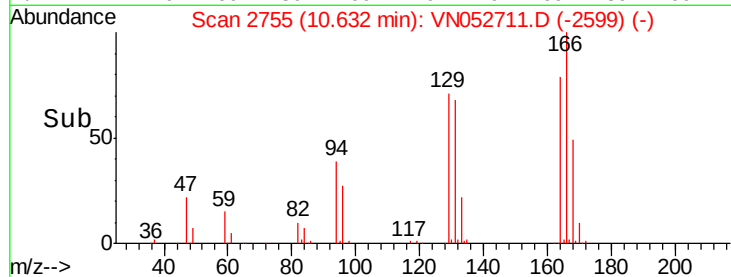
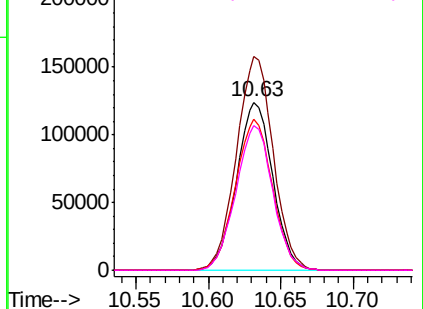
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

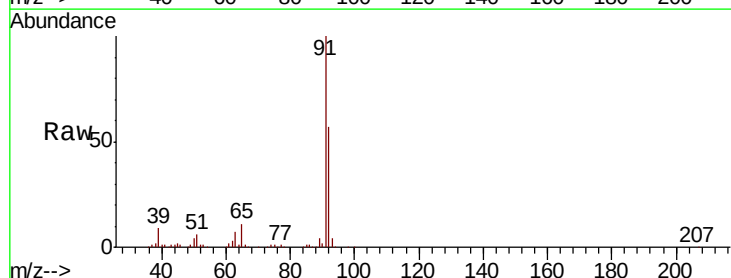
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 20.713 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

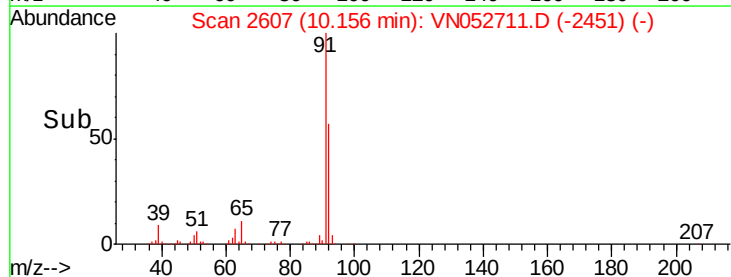
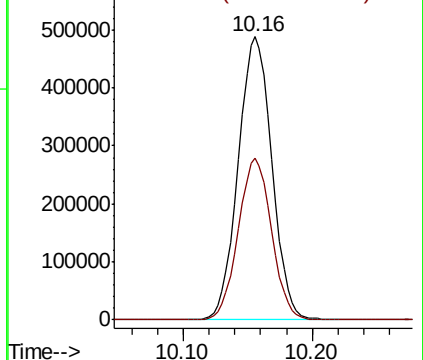
Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.5	45.4	68.2

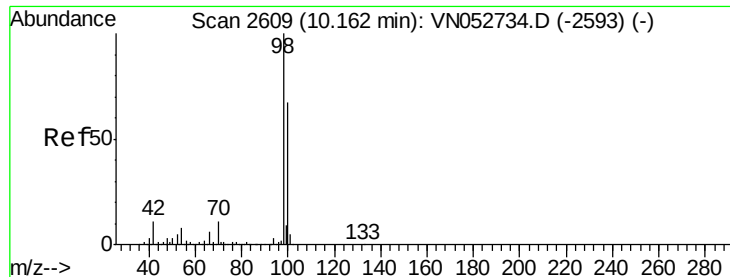


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





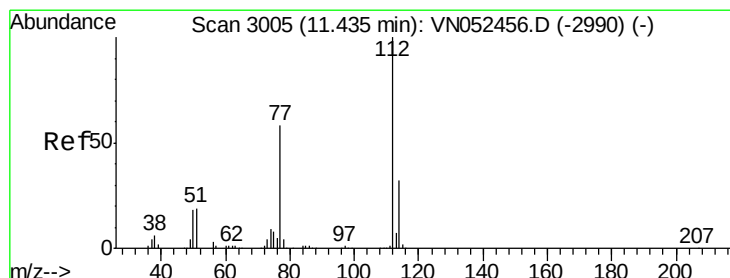
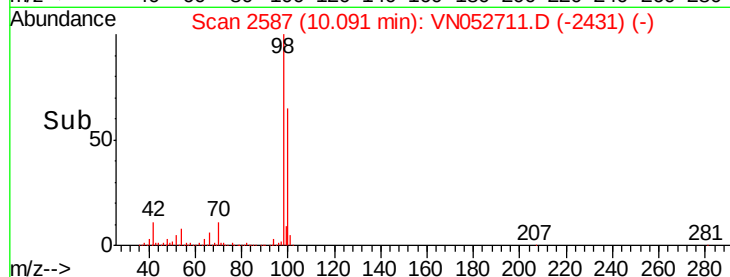
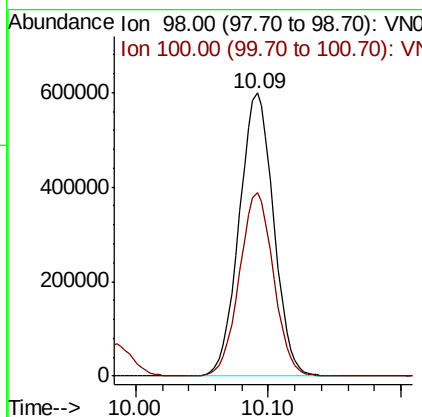
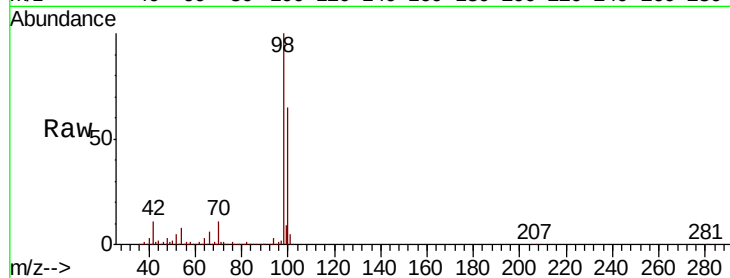
#63
Toluene-d8
Concen: 20.713 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS02

Tot Ion: 98 Resp: 1078185
Ion Ratio Lower Upper
98 100
100 64.2 51.1 76.7

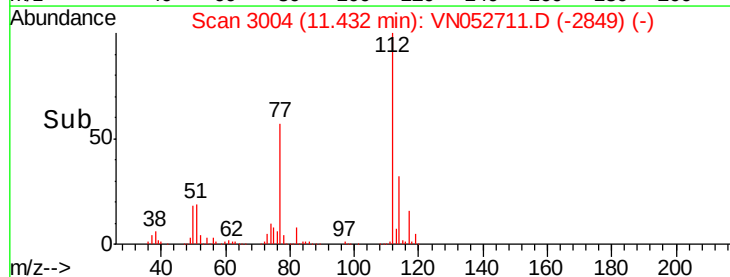
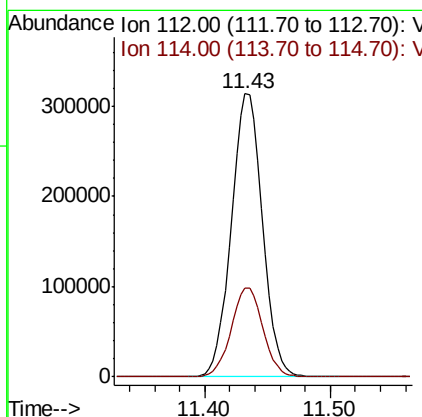
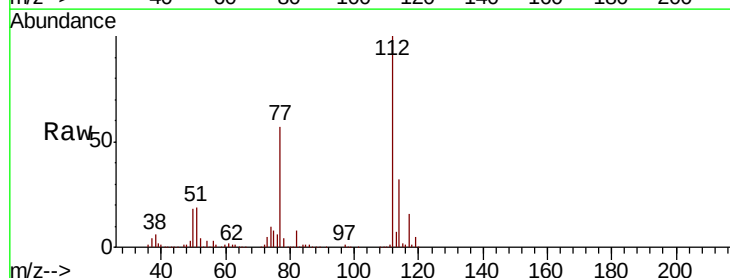
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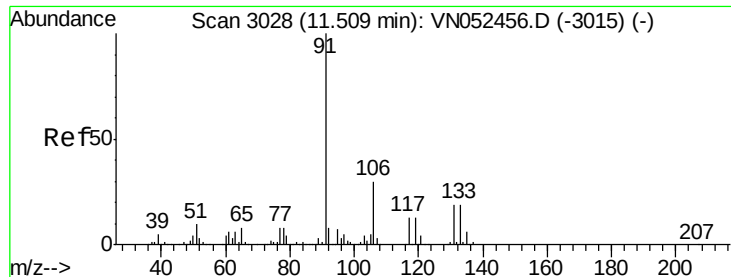
MMDadoda
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#64
Chlorobenzene
Concen: 20.667 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Tgt Ion: 112 Resp: 540212
Ion Ratio Lower Upper
112 100
114 31.6 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 21.211 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

Instrument :

MSVOA_N

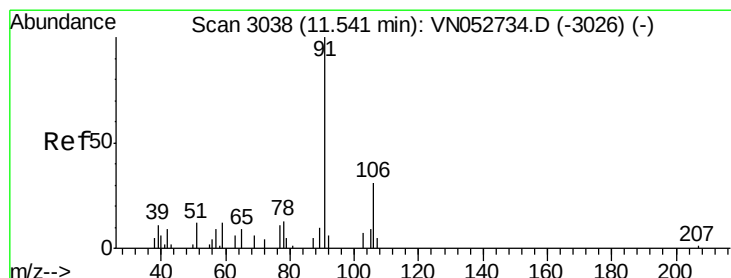
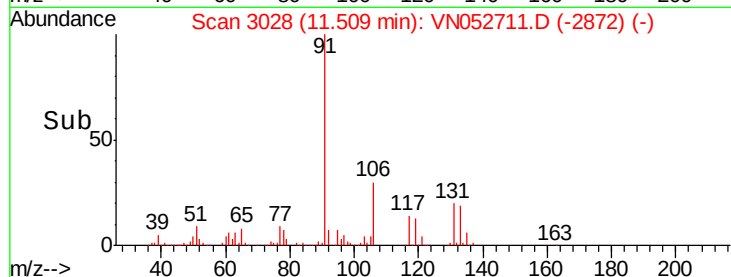
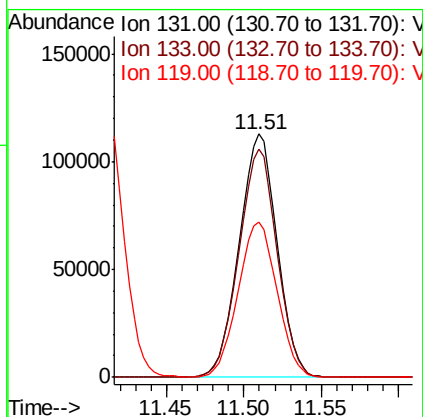
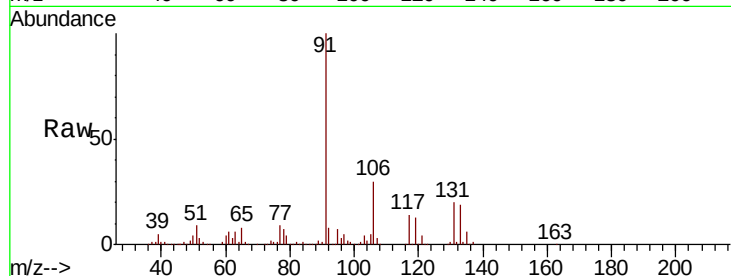
ClientSampled :

VN1206WBS02

Tot Ion:	131	Resp:	192441
Ion Ratio	Lower	Upper	
131	100		
133	94.7	0.0	193.4
119	65.5	0.0	133.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.326 ug/l

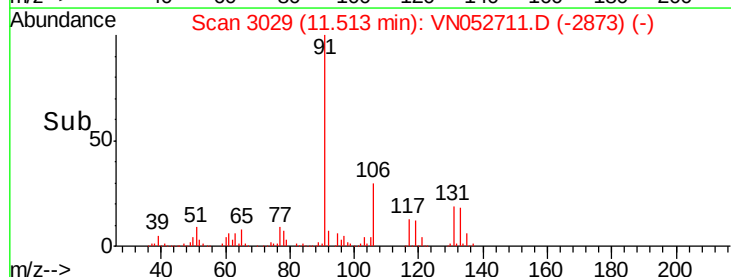
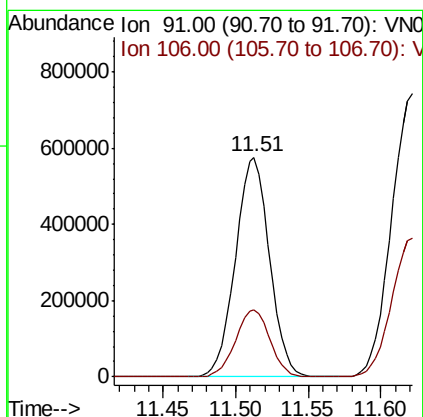
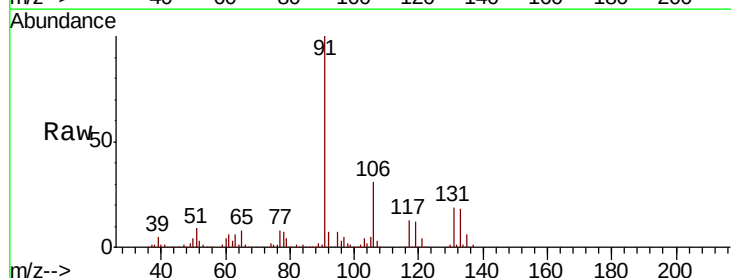
RT: 11.51 min Scan# 3029

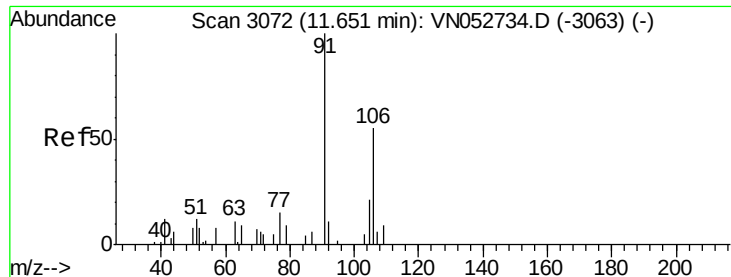
Delta R.T. 0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

Tgt Ion:	91	Resp:	938146
Ion Ratio	Lower	Upper	
91	100		
106	30.5	24.3	36.5





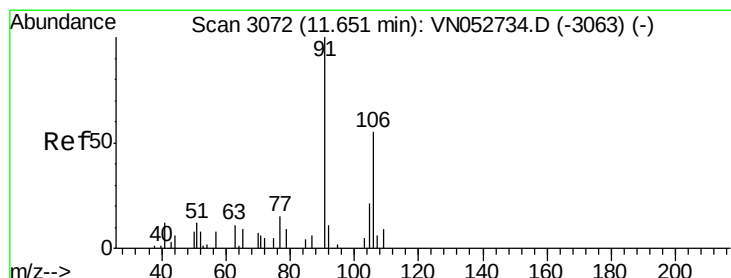
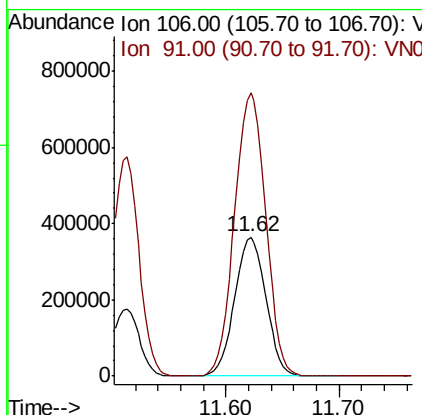
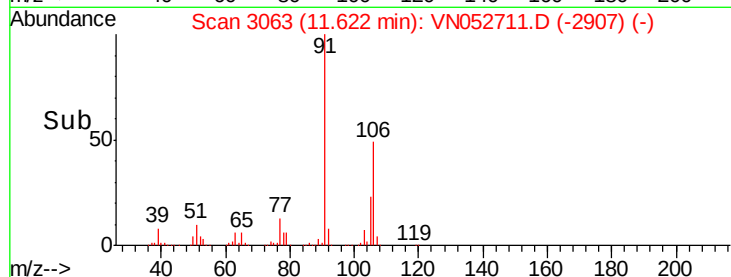
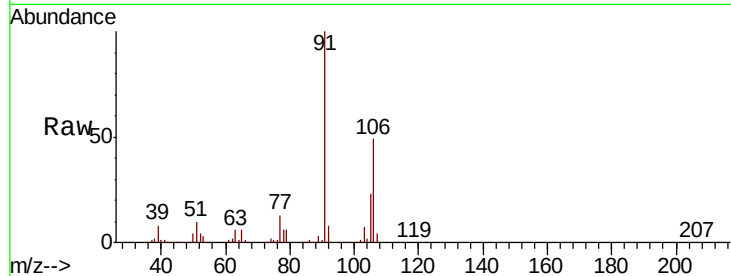
#67
m/p-Xylenes
Concen: 40.839 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS02

Tot Ion:106 Resp: 702227
Ion Ratio Lower Upper
106 100
91 203.6 163.9 245.9

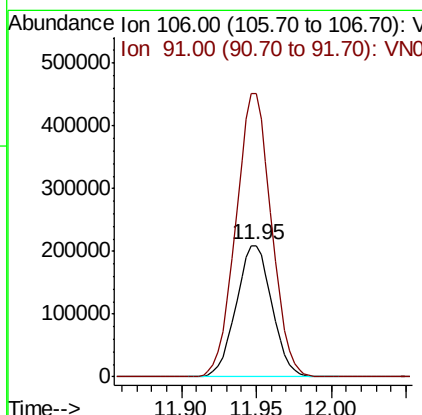
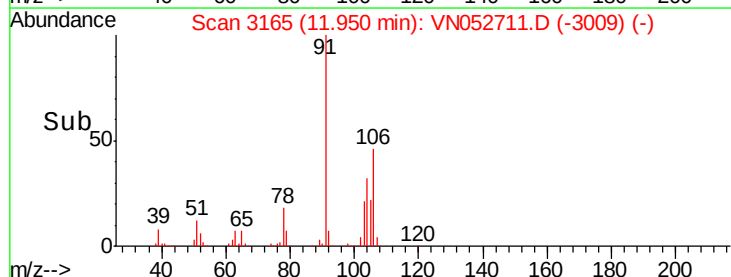
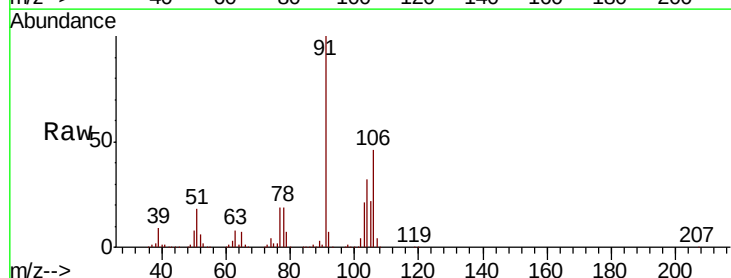
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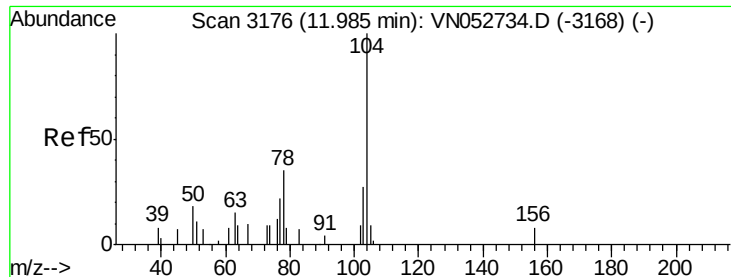
MMDadoda
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#68
o-Xylene
Concen: 20.852 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Tgt Ion:106 Resp: 348012
Ion Ratio Lower Upper
106 100
91 214.1 107.8 323.4





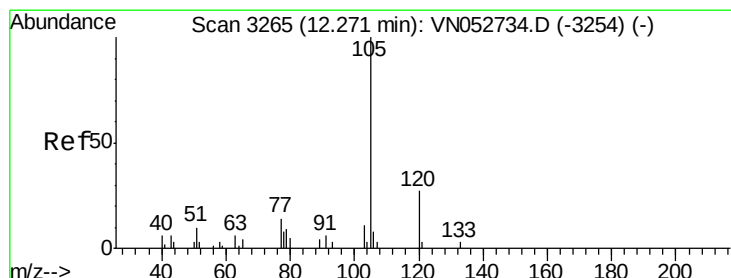
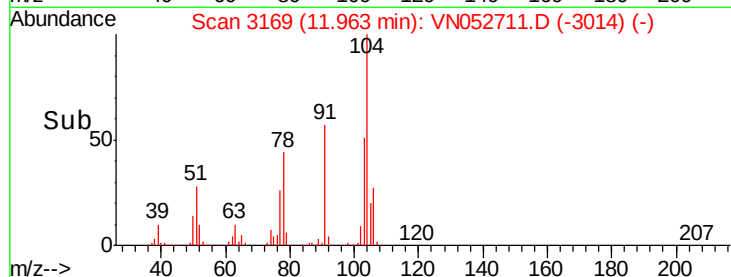
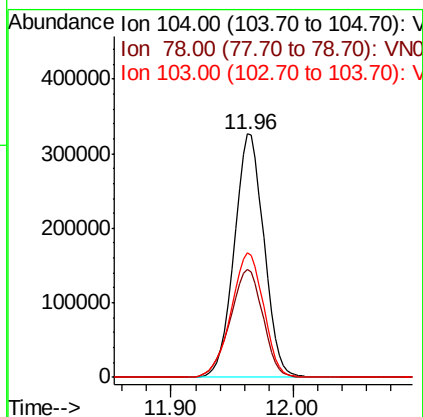
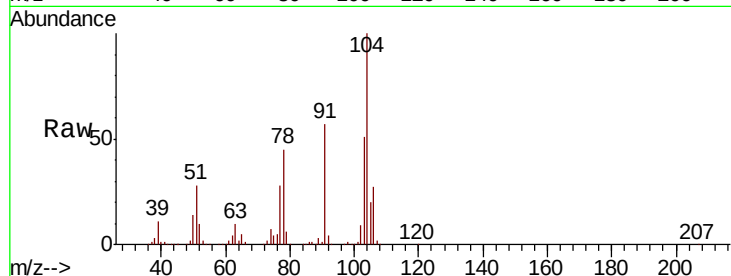
#69
Stvrene
Concen: 20.429 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS02

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.1	39.3	58.9
103	56.0	44.6	66.8

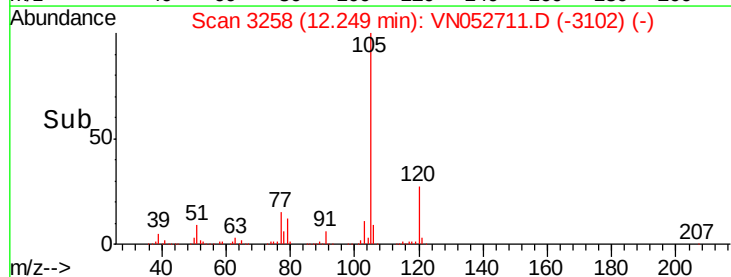
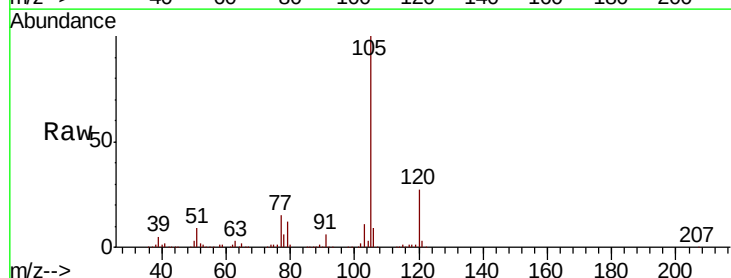
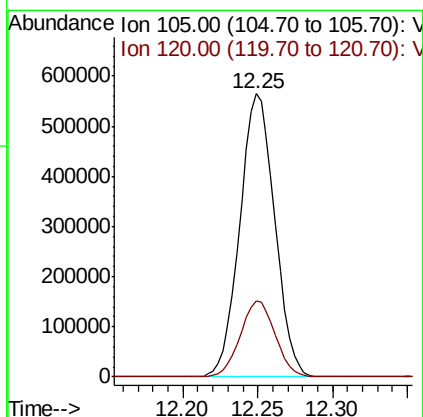
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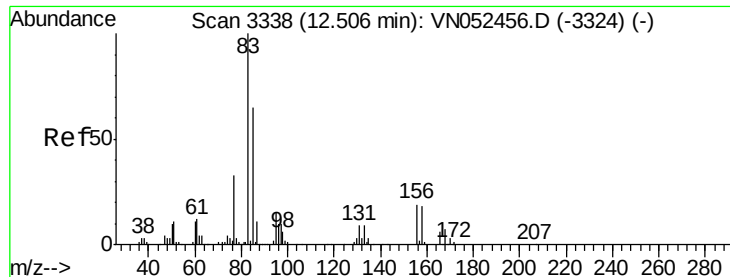
MMDadoda
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#70
Isopropylbenzene
Concen: 20.637 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052711.D
Acq: 6 Dec 2018 21:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	18.6	34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 21.970 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

Instrument :

MSVOA_N

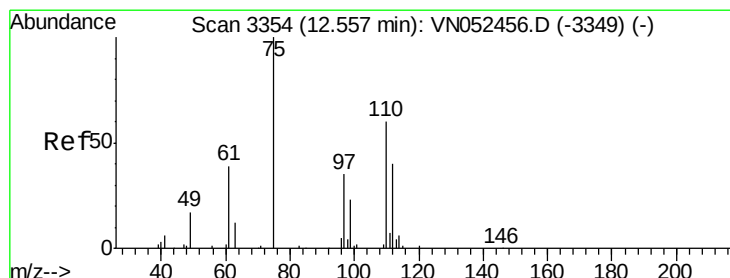
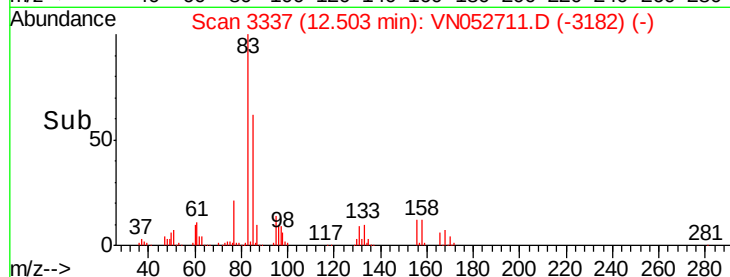
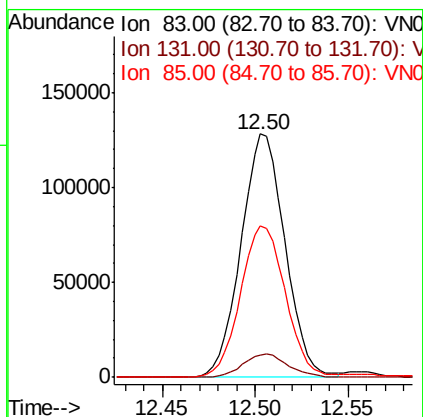
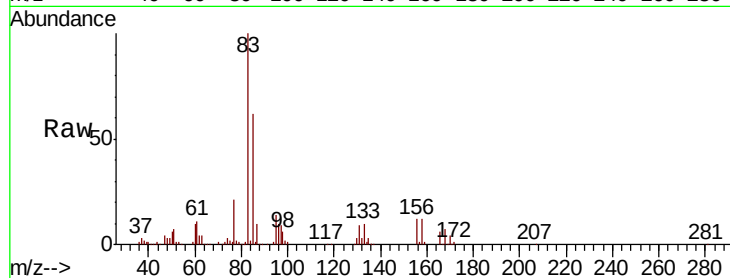
ClientSampleId :

VN1206WBS02

Tot Ion:	83	Resp:	212222
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.6
85	63.5	32.2	96.6

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#72

1,2,3-Trichloropropane

Concen: 21.532 ug/l m

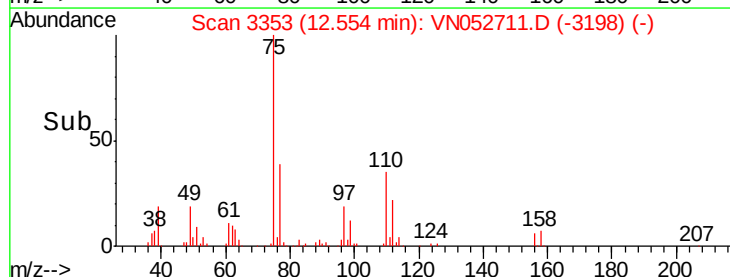
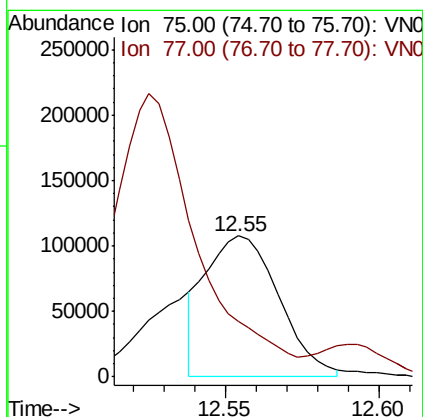
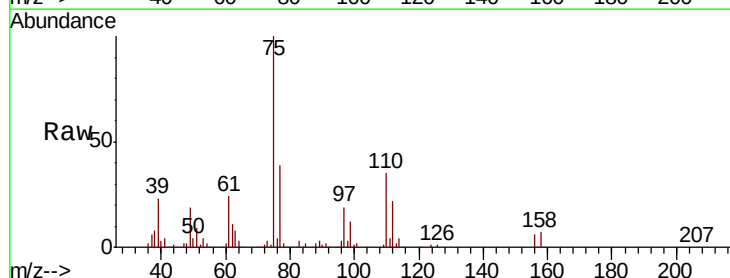
RT: 12.55 min Scan# 3353

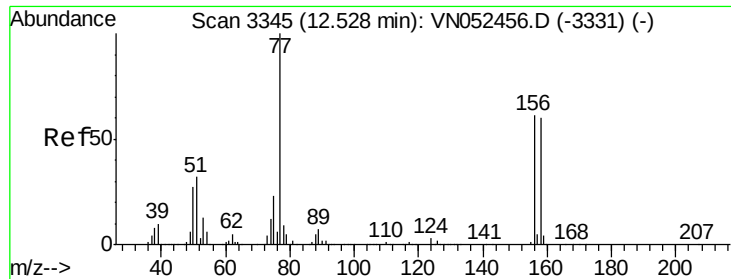
Delta R.T. -0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

Tgt Ion:	75	Resp:	178543
Ion Ratio	Lower	Upper	
75	100		
77	233.1	0.0	514.8





#73

Bromobenzene

Concen: 21.347 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

Instrument :

MSVOA_N

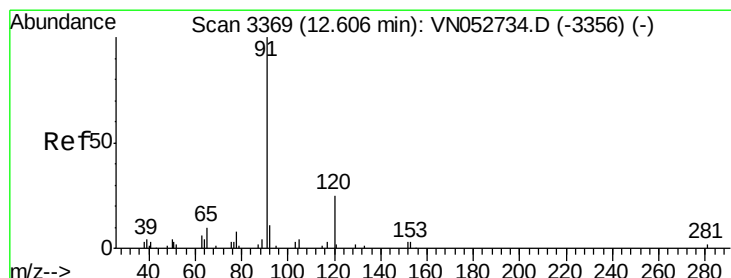
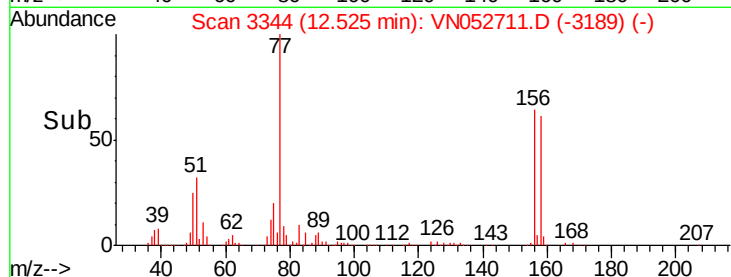
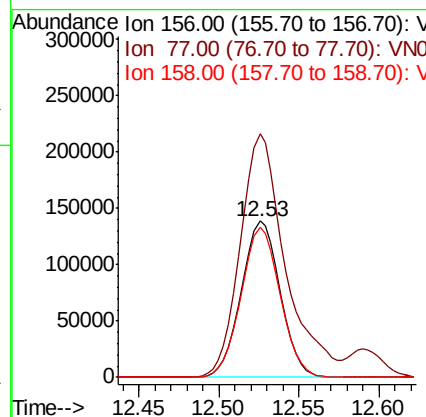
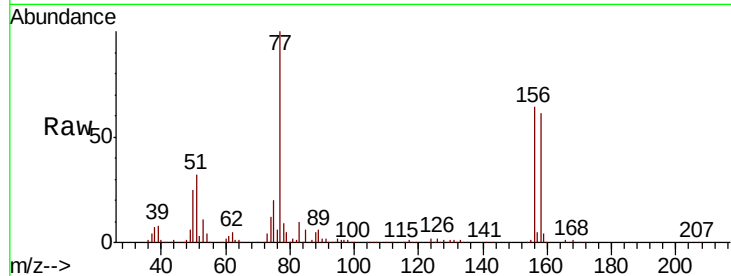
ClientSampleId :

VN1206WBS02

Tot Ion:	156	Resp:	229255
Ion Ratio	Lower	Upper	
156	100		
77	181.5	0.0	382.6
158	96.6	0.0	196.8

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#74

n-propylbenzene

Concen: 19.860 ug/l

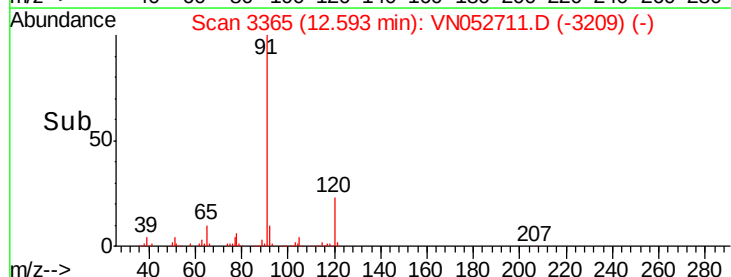
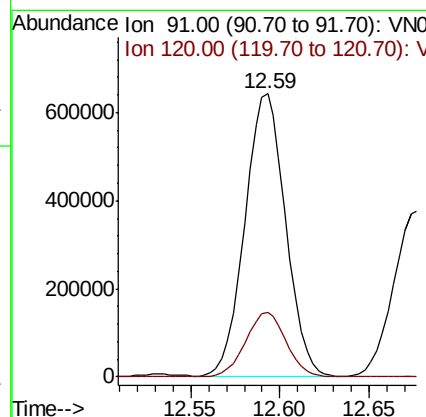
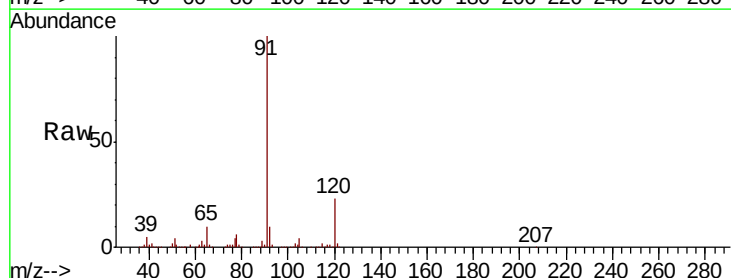
RT: 12.59 min Scan# 3365

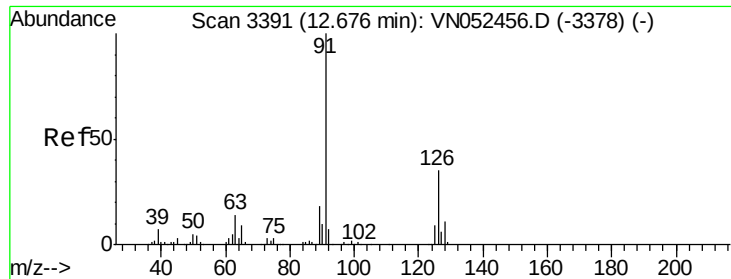
Delta R.T. 0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

Tgt Ion:	91	Resp:	1027506
Ion Ratio	Lower	Upper	
91	100		
120	22.7	0.0	44.6





#75

2-Chlorotoluene

Concen: 20.509 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBS02

Tot Ion: 91 Resp: 615922

Ion Ratio Lower Upper

91 100

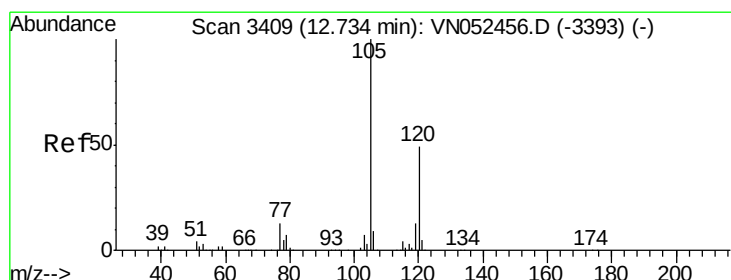
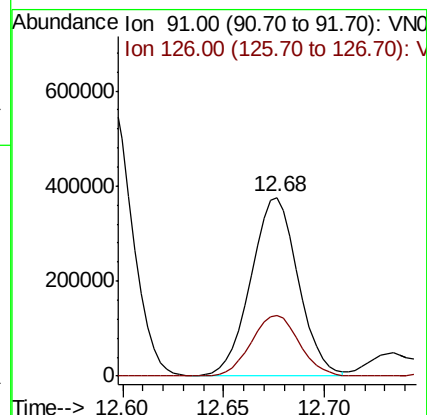
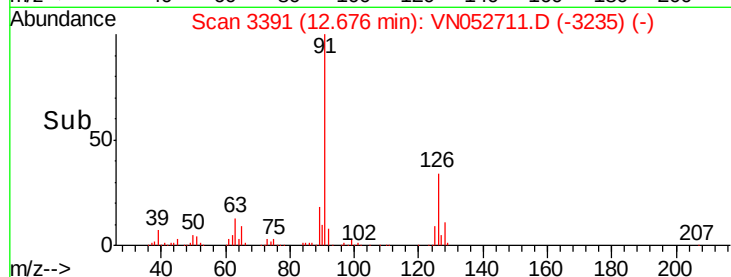
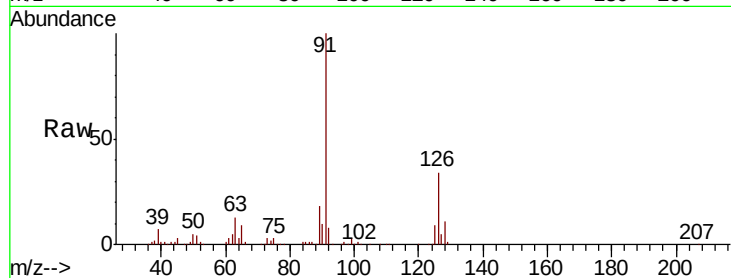
126 34.8 0.0 68.4

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 20.606 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052711.D

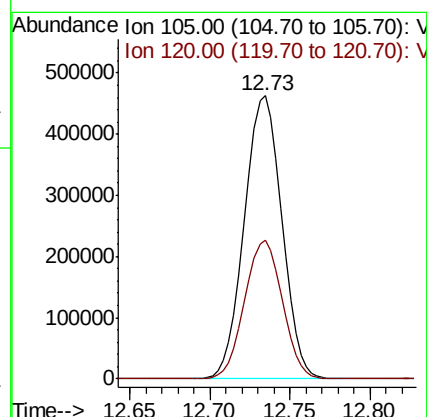
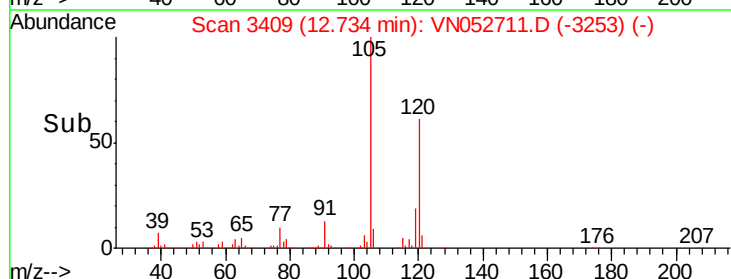
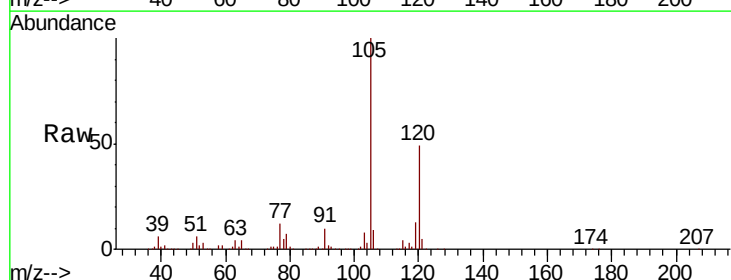
Acq: 6 Dec 2018 21:45

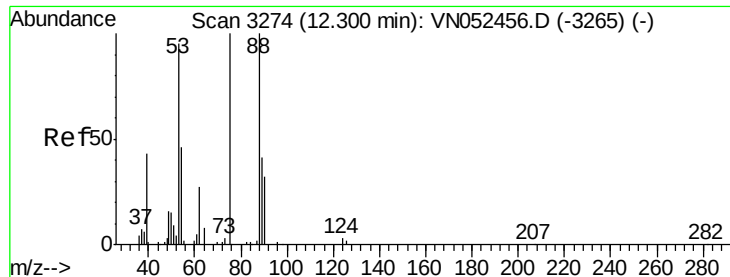
Tgt Ion: 105 Resp: 739069

Ion Ratio Lower Upper

105 100

120 49.3 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 19.907 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

Instrument :

MSVOA_N

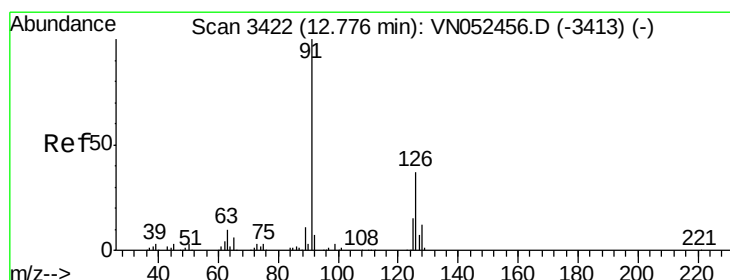
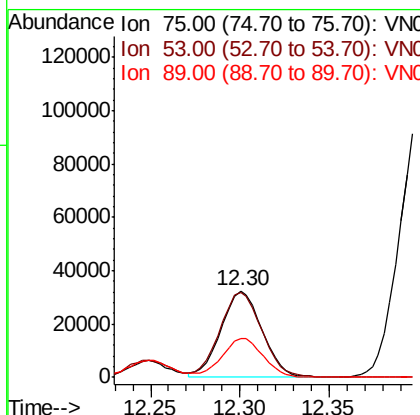
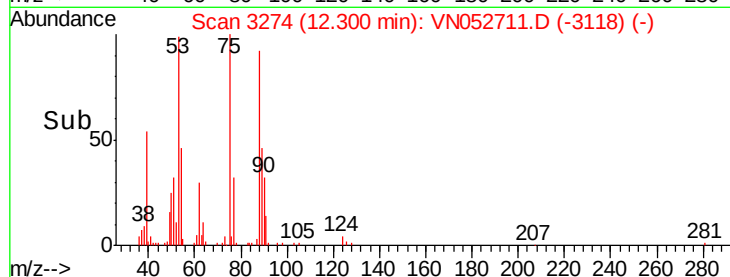
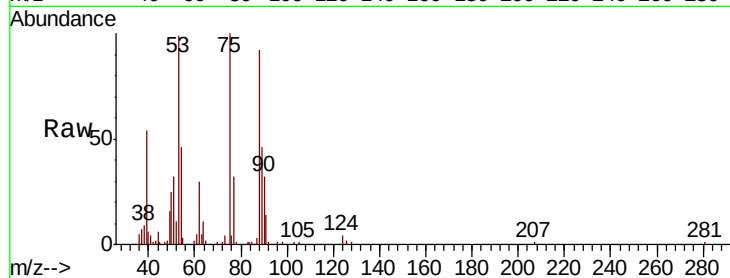
ClientSampleId :

VN1206WBS02

Tot Ion:	75	Resp:	52145
Ion	Ratio	Lower	Upper
75	100		
53	98.8	48.5	145.6
89	45.8	21.7	65.1

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#78

4-Chlorotoluene

Concen: 20.277 ug/l

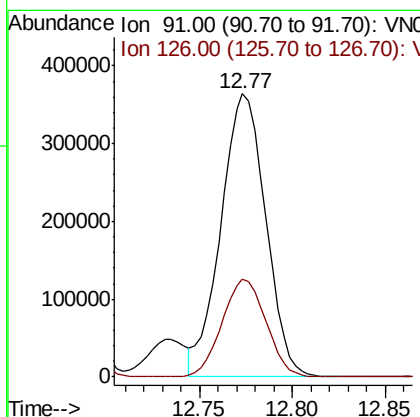
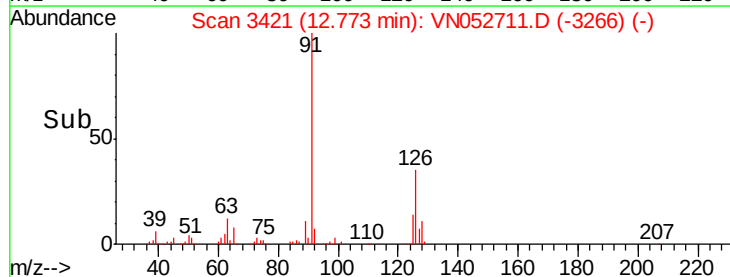
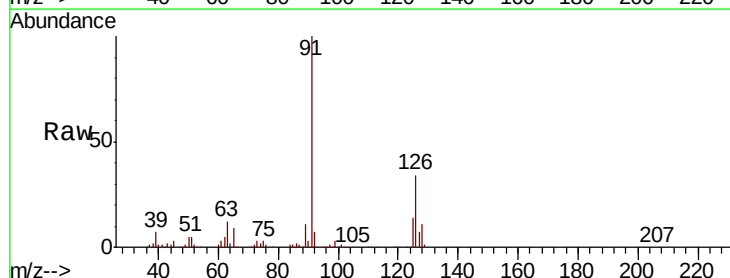
RT: 12.77 min Scan# 3421

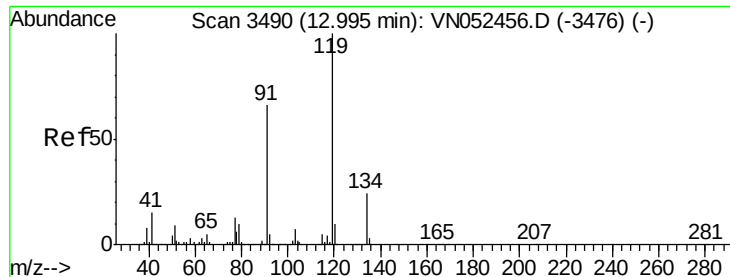
Delta R.T. -0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

Tgt Ion:	91	Resp:	608115
Ion	Ratio	Lower	Upper
91	100		
126	34.2	0.0	68.2





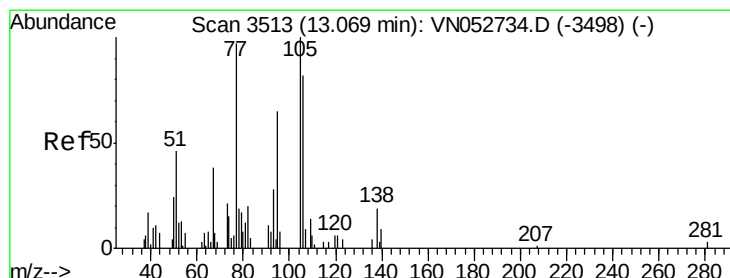
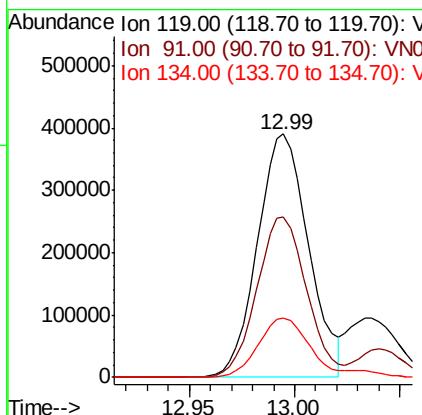
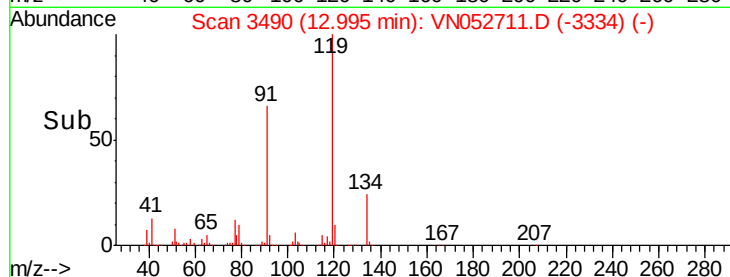
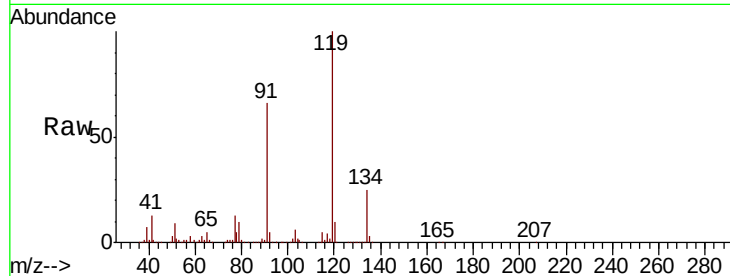
#79
 tert-butylbenzene
 Concen: 21.022 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052711.D
 Acq: 6 Dec 2018 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	656625		
91	64.6	0.0	129.8	
134	24.3	0.0	52.2	

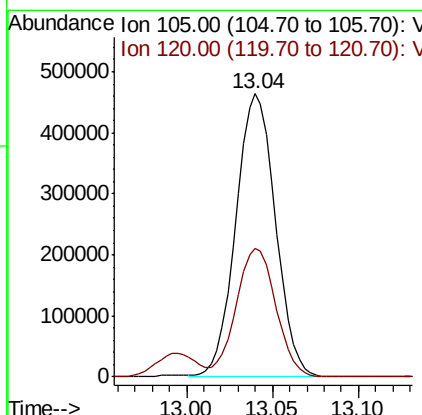
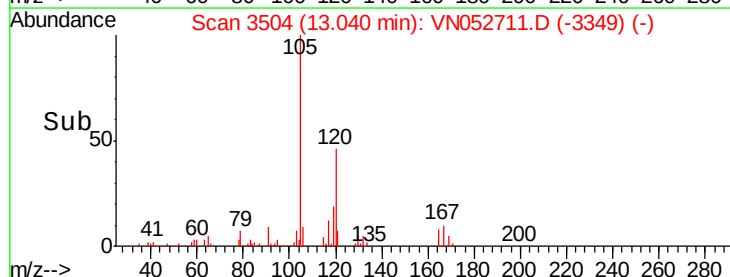
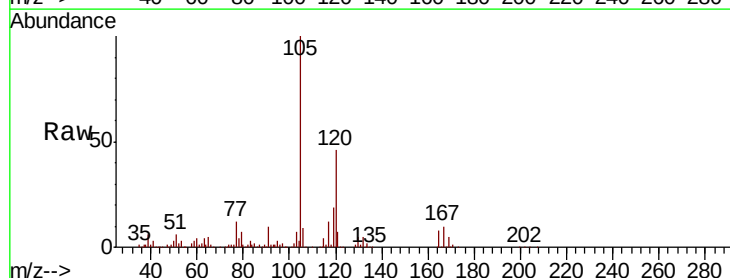
Manual Integrations
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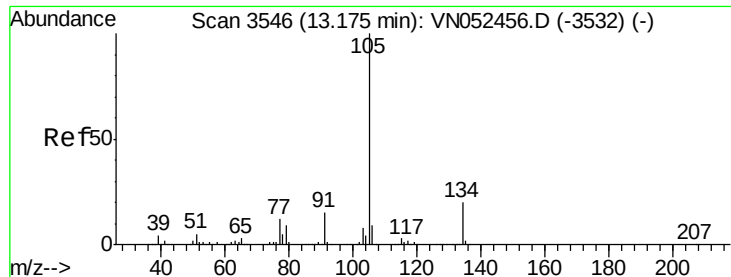
MMDadoda
 12/7/2018 1:13:06 PM



#80
 1,2,4-Trimethylbenzene
 Concen: 20.686 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052711.D
 Acq: 6 Dec 2018 21:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	742386		
120	45.9	0.0	91.0	





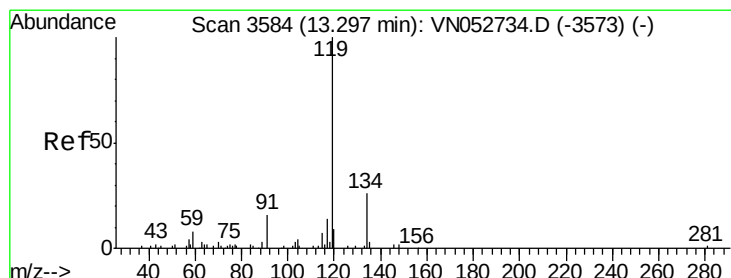
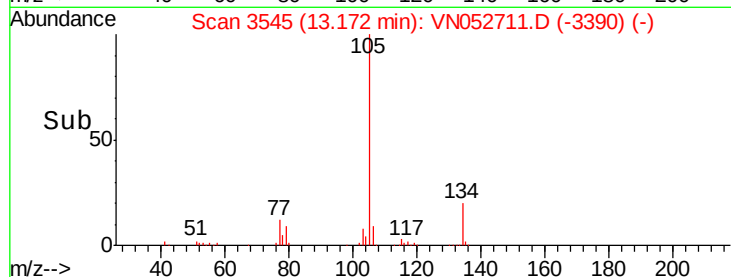
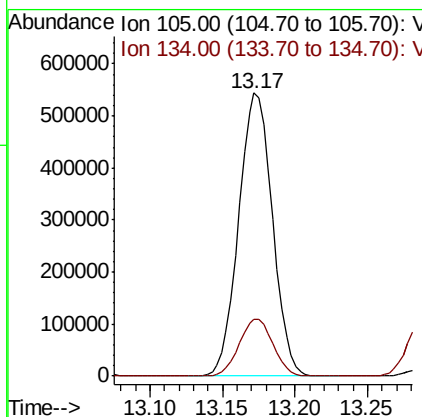
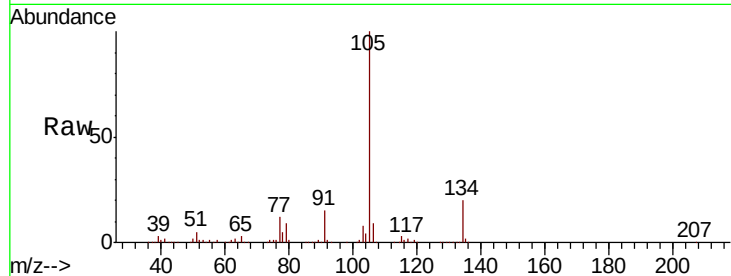
#81
 sec-Butylbenzene
 Concen: 20.195 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052711.D
 Acq: 6 Dec 2018 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	0.0	40.4

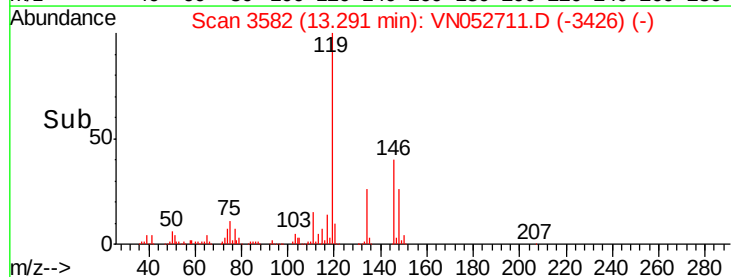
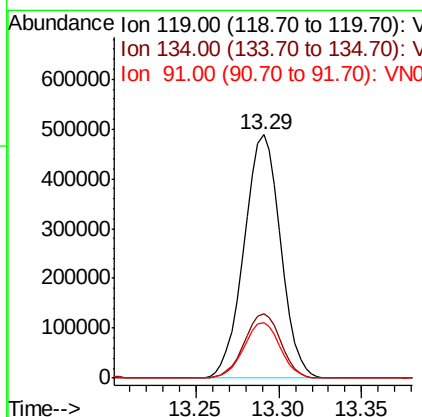
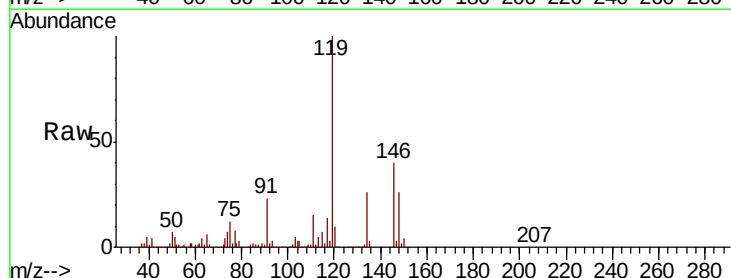
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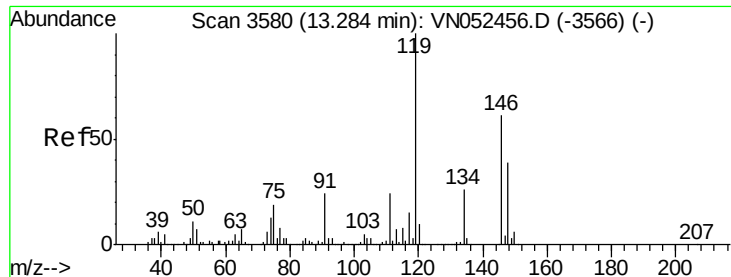
MMDadoda
 12/7/2018 1:13:06 PM



#82
 p-Isopropyltoluene
 Concen: 20.206 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052711.D
 Acq: 6 Dec 2018 21:45

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	0.0	52.6
91	22.9	0.0	46.2





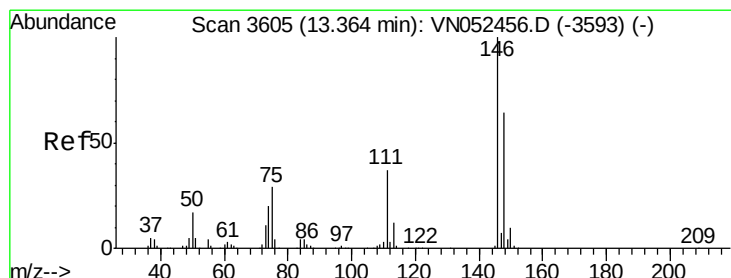
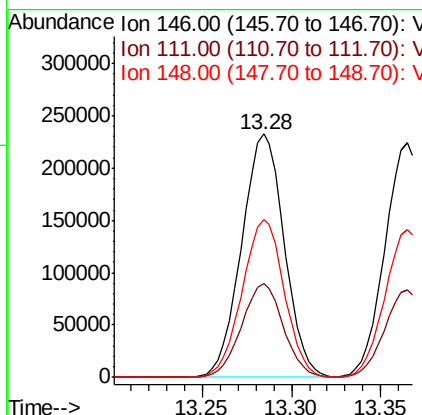
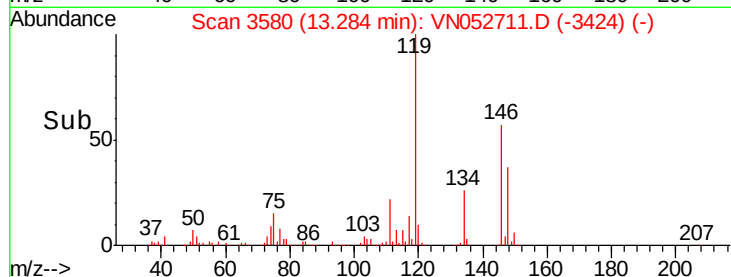
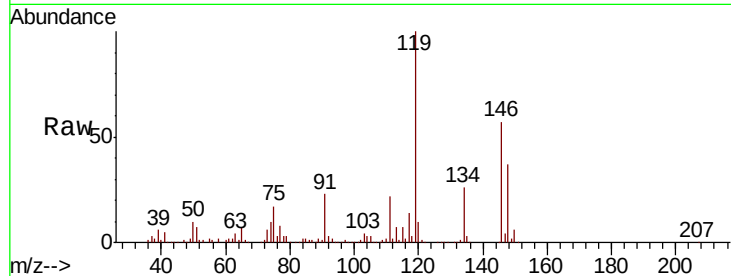
#83
 1,3-Dichlorobenzene
 Concen: 20.512 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052711.D
 Acq: 6 Dec 2018 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.7	59.0
148	64.0	32.3	96.8

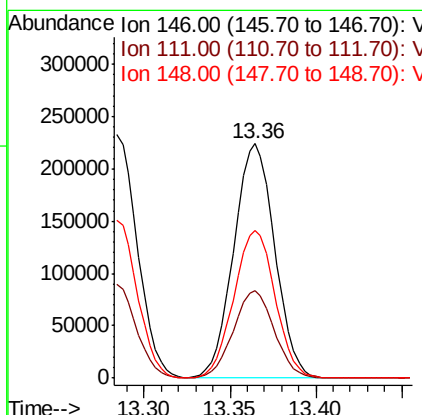
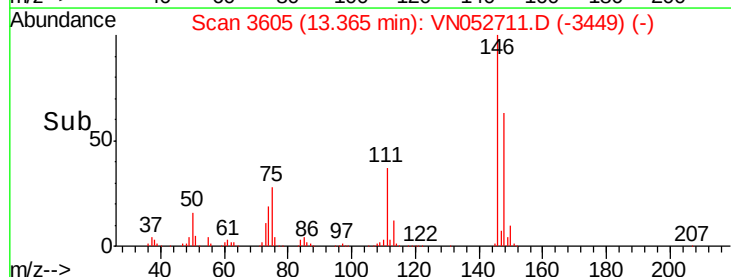
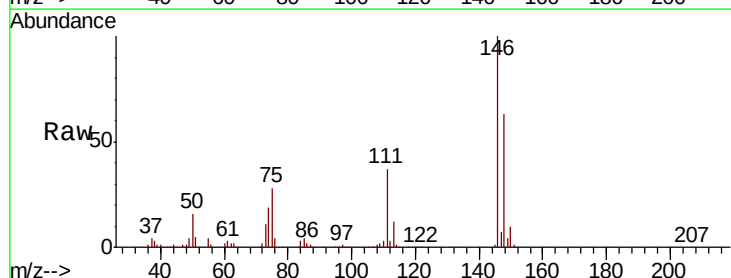
Manual Integrations
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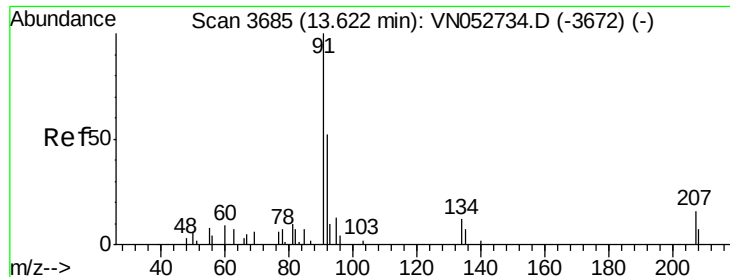
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 20.334 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052711.D
 Acq: 6 Dec 2018 21:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.8	56.3
148	63.5	32.5	97.4





#85

n-Butylbenzene

Concen: 18.345 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

Instrument :

MSVOA_N

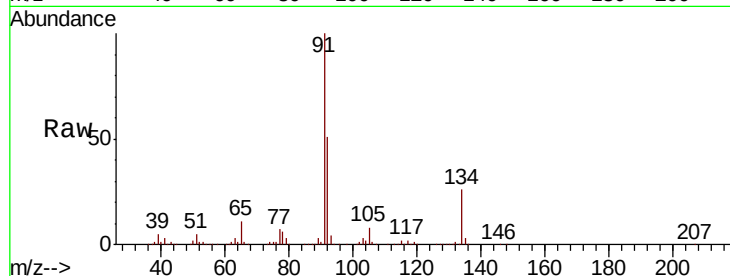
ClientSampleId :

VN1206WBS02

Tot Ion:	91	Resp:	583767
Ion Ratio	Lower	Upper	
91	100		
92	51.5	0.0	104.2
134	26.0	0.0	50.6

Manual Integrations
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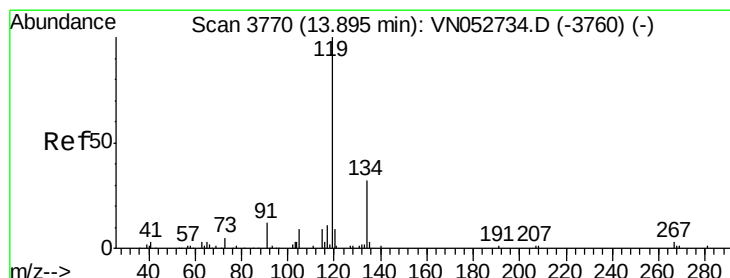
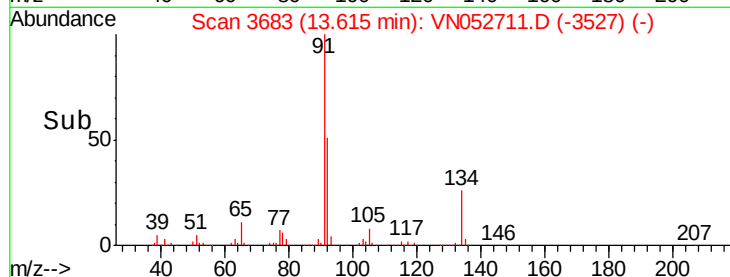
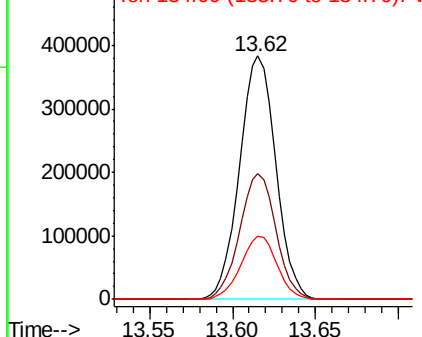


Abundance

Ion 91.00 (90.70 to 91.70): VN052734.D (-3672) (-)

Ion 92.00 (91.70 to 92.70): VN052734.D (-3672) (-)

Ion 134.00 (133.70 to 134.70): VN052734.D (-3672) (-)



#86

Hexachloroethane

Concen: 20.145 ug/l

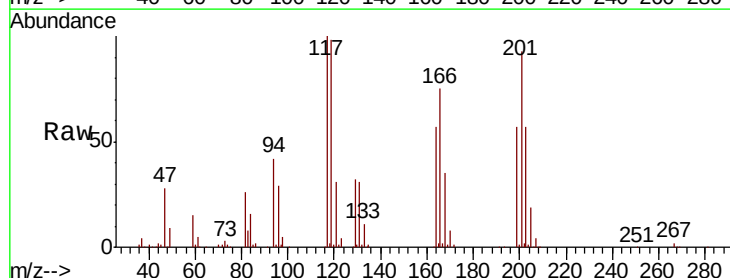
RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

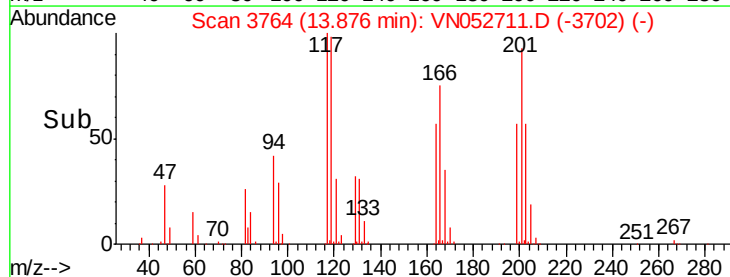
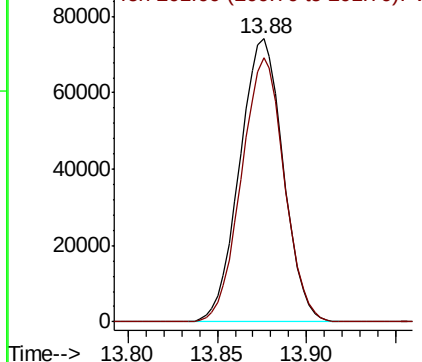
Tgt Ion:	117	Resp:	126454
Ion Ratio	Lower	Upper	
117	100		
201	91.5	43.8	131.3

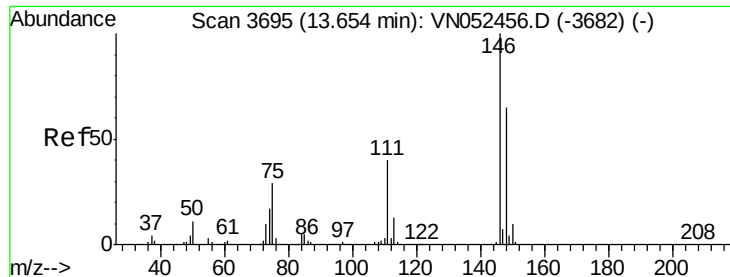


Abundance

Ion 117.00 (116.70 to 117.70): VN052734.D (-3760) (-)

Ion 201.00 (200.70 to 201.70): VN052734.D (-3760) (-)





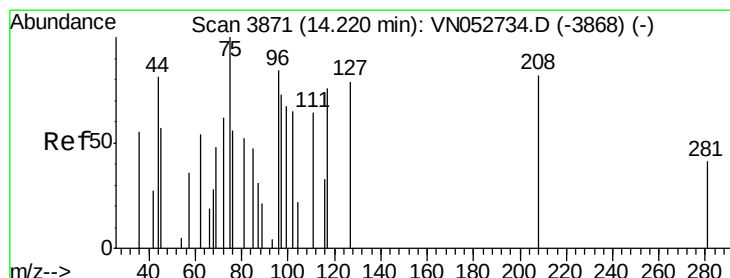
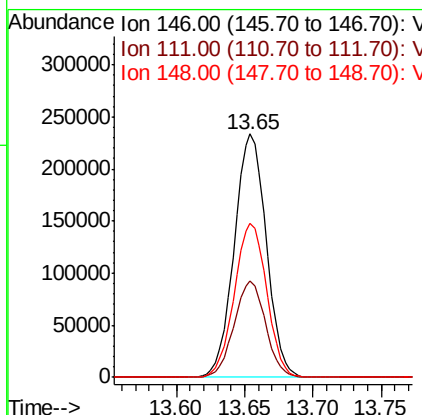
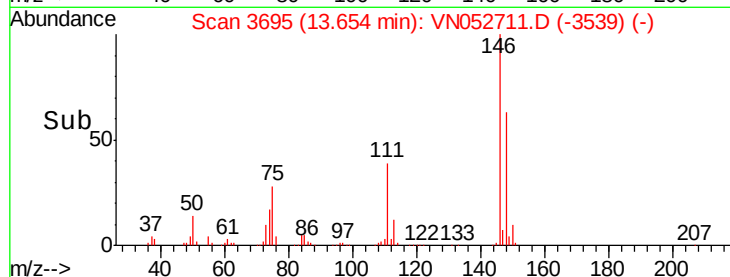
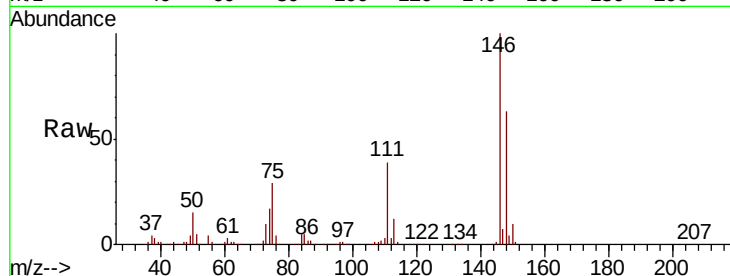
#87
 1,2-Dichlorobenzene
 Concen: 21.190 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052711.D
 Acq: 6 Dec 2018 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.3	60.8
148	64.0	32.1	96.5

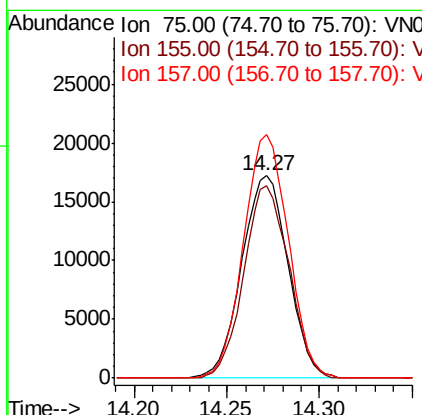
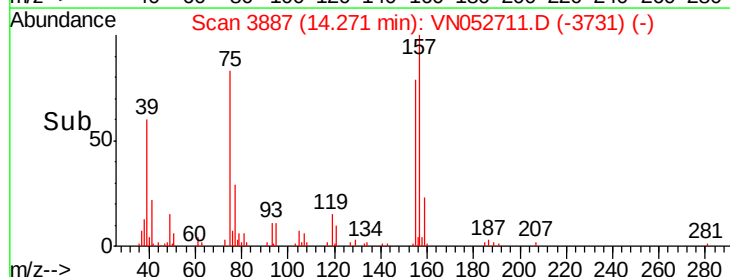
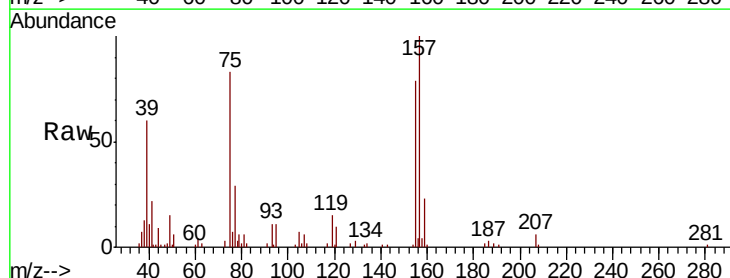
Manual Integrations
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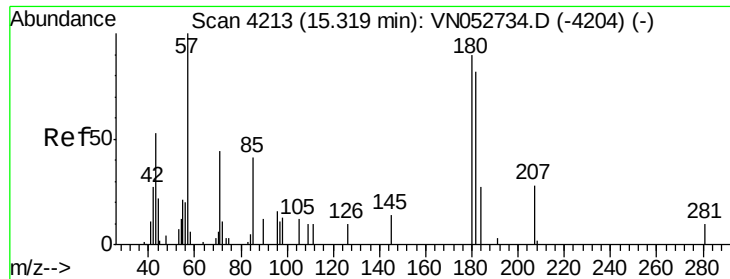
MMDadoda
 12/7/2018 1:13:06 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 22.170 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052711.D
 Acq: 6 Dec 2018 21:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.9	72.2	108.2
157	116.0	94.2	141.2





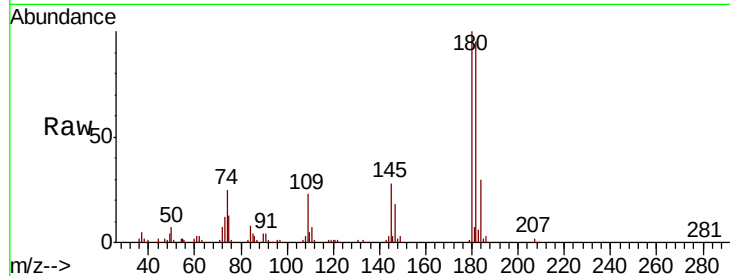
#89
 1,2,4-Trichlorobenzene
 Concen: 19.115 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052711.D
 Acq: 6 Dec 2018 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.6	114.8
145	28.3	23.6	35.4

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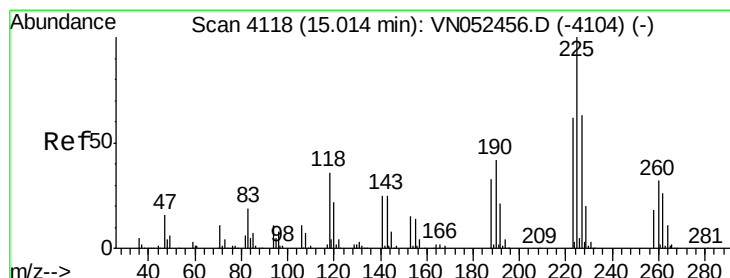
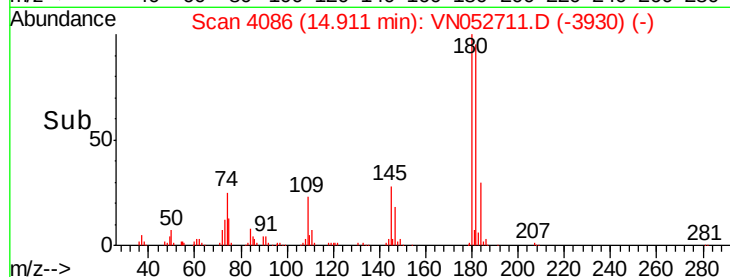
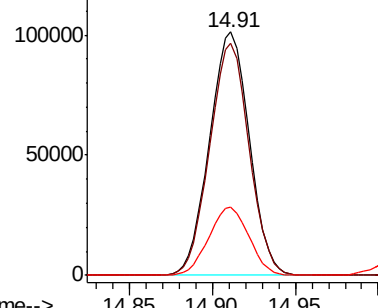


Abundance

Ion 180.00 (179.70 to 180.70): V

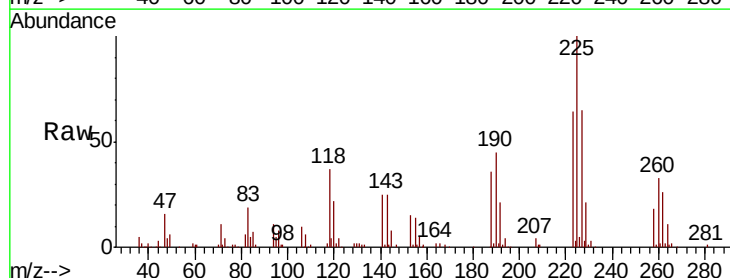
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 20.365 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052711.D
 Acq: 6 Dec 2018 21:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	0.0	125.6
227	64.6	0.0	127.8

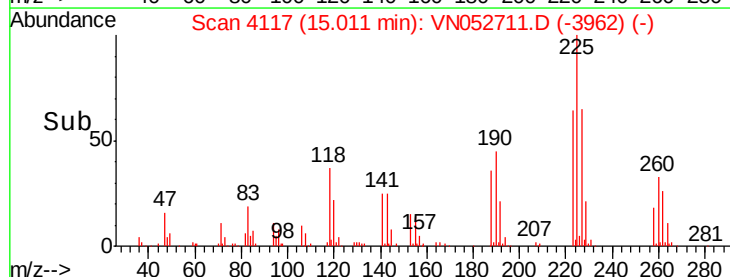
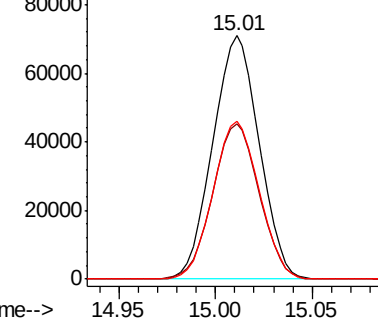


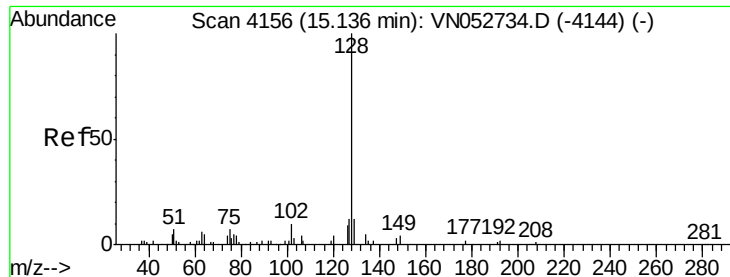
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 19.276 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

Instrument :

MSVOA_N

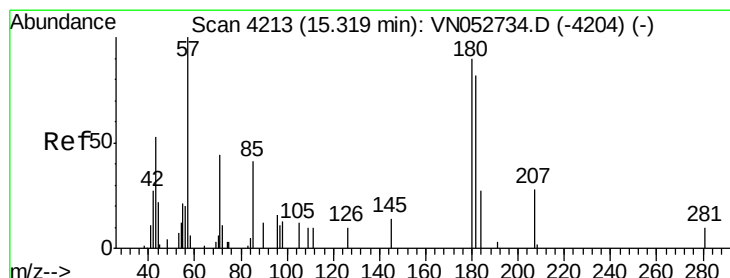
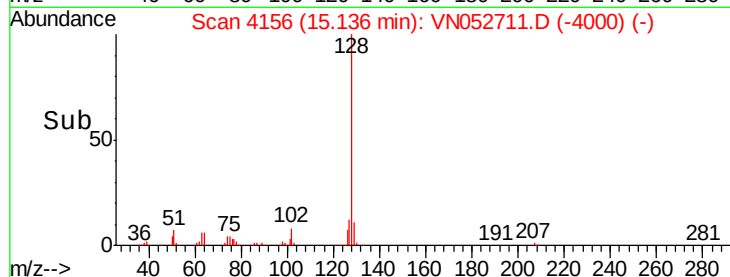
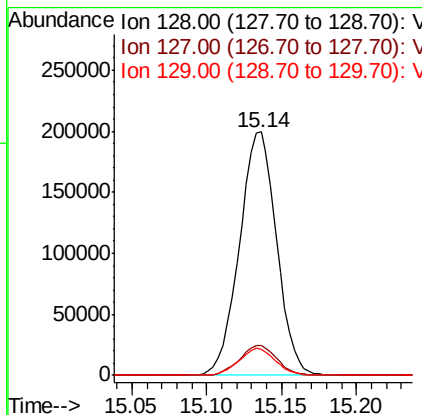
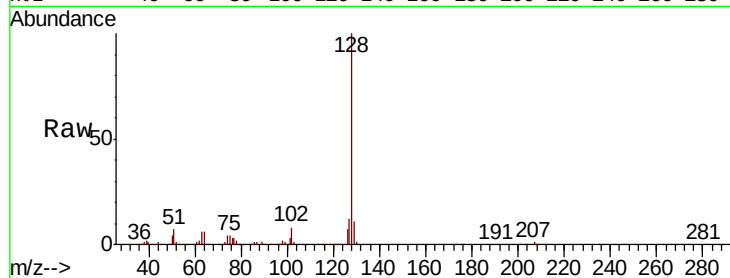
ClientSampleId :

VN1206WBS02

Tot Ion:	128	Resp:	344720
Ion Ratio		Lower	Upper
128	100		
127	12.3	9.9	14.9
129	10.9	8.5	12.7

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 20.774 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052711.D

Acq: 6 Dec 2018 21:45

Tgt Ion:	180	Resp:	169536
Ion Ratio		Lower	Upper
180	100		
182	94.3	0.0	196.2
145	29.1	0.0	62.2

