

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120318\
 Data File : VN052623.D
 Acq On : 3 Dec 2018 11:21
 Operator : MD\SY
 Sample : VN1203WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/4/2018 2:56:44 PM

Quant Time: Dec 04 01:03:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1024294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1589945	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1400340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	619602	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	542396	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
35) Dibromofluoromethane	7.59	113	493268	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
50) Toluene-d8	10.09	98	1847641	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
62) 4-Bromofluorobenzene	12.40	95	617322	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	166270	17.336	ug/l	96
3) Chloromethane	2.06	50	215460	17.019	ug/l	100
4) Vinyl Chloride	2.19	62	226214	17.395	ug/l	100
5) Bromomethane	2.58	94	133818	16.492	ug/l	99
6) Chloroethane	2.71	64	138610	17.596	ug/l	98
7) Trichlorofluoromethane	3.02	101	293823	18.393	ug/l	99
8) Diethyl Ether	3.42	74	113334	19.212	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	183340	18.393	ug/l	99
10) Methyl Iodide	3.96	142	254359	19.159	ug/l	99
11) Tert butyl alcohol	4.78	59	57431	102.861	ug/l	98
12) 1,1-Dichloroethene	3.74	96	177794	18.530	ug/l	98
13) Acrolein	3.61	56	62571	64.480	ug/l	100
14) Allyl chloride	4.33	41	301496	18.232	ug/l	97
15) Acrylonitrile	4.99	53	343416	97.166	ug/l	99
16) Acetone	3.82	43	269168	91.503	ug/l	100
17) Carbon Disulfide	4.06	76	503759	16.684	ug/l	98
18) Methyl Acetate	4.33	43	171626	20.340	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	495182	19.397	ug/l	98
20) Methylene Chloride	4.56	84	206817	17.966	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	188378	18.383	ug/l	97
22) Diisopropyl ether	5.95	45	651417	18.753	ug/l	98
23) Vinyl Acetate	5.90	43	2020772	93.400	ug/l	99
24) 1,1-Dichloroethane	5.85	63	371315	18.722	ug/l	99
25) 2-Butanone	6.84	43	393848	94.460	ug/l	97
26) 2,2-Dichloropropane	6.83	77	262821	19.145	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	224955	18.845	ug/l	98
28) Bromochloromethane	7.20	49	165908	18.315	ug/l	95
29) Tetrahydrofuran	7.21	42	259102	96.346	ug/l	99
30) Chloroform	7.37	83	364639	18.428	ug/l	100
31) Cyclohexane	7.66	56	342318	17.596	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	300234	19.150	ug/l	99
36) 1,1-Dichloropropene	7.80	75	274266	18.267	ug/l	99
37) Ethyl Acetate	6.93	43	176229	19.232	ug/l	98
38) Carbon Tetrachloride	7.78	117	258161	18.994	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	324039	17.756	ug/l	98
40) Benzene	8.04	78	843781	18.857	ug/l	99
41) Methacrylonitrile	7.17	41	92246	18.414	ug/l	93
42) 1,2-Dichloroethane	8.13	62	258143	19.053	ug/l	99
43) Isopropyl Acetate	8.17	43	314542	20.284	ug/l #	87
44) Trichloroethene	8.84	130	217396	18.968	ug/l	96
45) 1,2-Dichloropropane	9.12	63	224830	18.899	ug/l	98
46) Dibromomethane	9.21	93	128052	19.444	ug/l	98
47) Bromodichloromethane	9.40	83	274238	19.153	ug/l	99
48) Methyl methacrylate	9.20	41	154440	19.100	ug/l	100
49) 1,4-Dioxane	9.20	88	35733	425.822	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	858738	98.701	ug/l	99
52) Toluene	10.16	92	507883	19.104	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	263124	19.102	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	318529	19.297	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	182089	19.472	ug/l	99
56) Ethyl methacrylate	10.43	69	231913	19.591	ug/l	98
57) 1,3-Dichloropropane	10.71	76	313043	18.959	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	681827	100.481	ug/l	99
59) 2-Hexanone	10.75	43	571288	97.835	ug/l	99
60) Dibromochloromethane	10.90	129	200777	19.768	ug/l	98
61) 1,2-Dibromoethane	11.01	107	177985	19.163	ug/l	99
64) Tetrachloroethene	10.63	164	211303	19.462	ug/l	98
65) Chlorobenzene	11.44	112	551959	19.116	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	193419	19.265	ug/l	98
67) Ethyl Benzene	11.51	91	960770	19.001	ug/l	99
68) m/p-Xylenes	11.62	106	715389	38.004	ug/l	100
69) o-Xylene	11.95	106	353409	19.333	ug/l	100
70) Styrene	11.97	104	567904	19.505	ug/l	99
71) Bromoform	12.13	173	131821	19.830	ug/l #	99
73) Isopropylbenzene	12.25	105	934312	19.220	ug/l	100
74) N-amyl acetate	12.07	43	234551	19.098	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	218374	19.748	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	186346m	19.503	ug/l	
77) Bromobenzene	12.53	156	234143	19.487	ug/l	98
78) n-propylbenzene	12.59	91	1052272	19.054	ug/l	100
79) 2-Chlorotoluene	12.68	91	627009	19.066	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	756070	19.502	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	56268	19.667	ug/l	98
82) 4-Chlorotoluene	12.78	91	618013	18.646	ug/l	98
83) tert-Butylbenzene	12.99	119	665526	19.255	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	752551	19.369	ug/l	100
85) sec-Butylbenzene	13.17	105	896430	19.042	ug/l	100
86) p-Isopropyltoluene	13.29	119	770833	19.224	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	395067	18.797	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	391425	18.907	ug/l	99
89) n-Butylbenzene	13.62	91	618539	18.549	ug/l	100
90) Hexachloroethane	13.88	117	129561	19.083	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	388608	19.353	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31288	19.783	ug/l	99

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Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	184532	18.656	ug/l	99
94) Hexachlorobutadiene	15.01	225	120064	18.586	ug/l	99
95) Naphthalene	15.13	128	378290	18.533	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	175849	19.166	ug/l	100

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

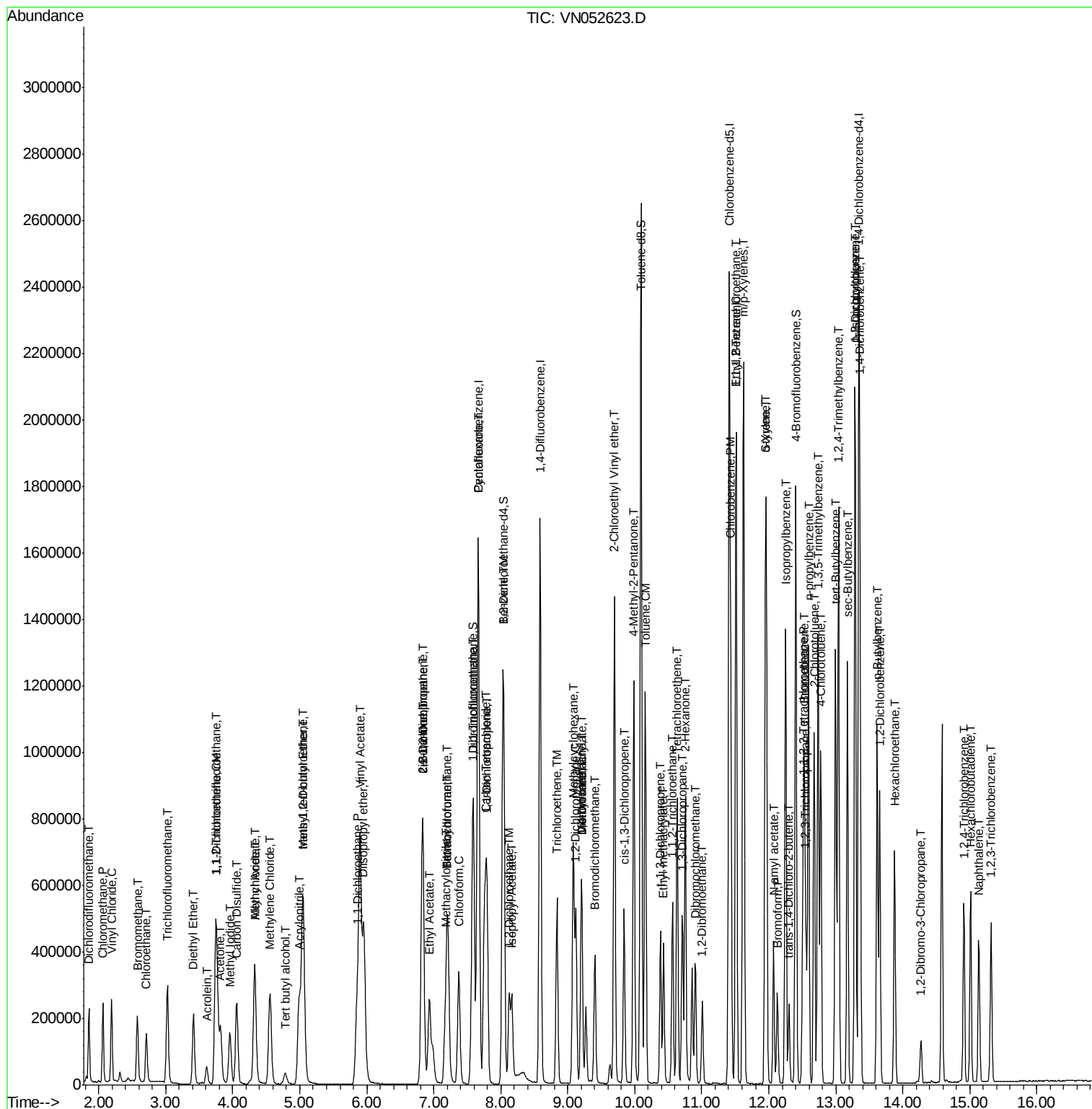
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Data File : VN052623.D
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Operator : MD\SY
Sample : VN1203WBS01
Misc : 5.00mL/MSVOA N/WATER
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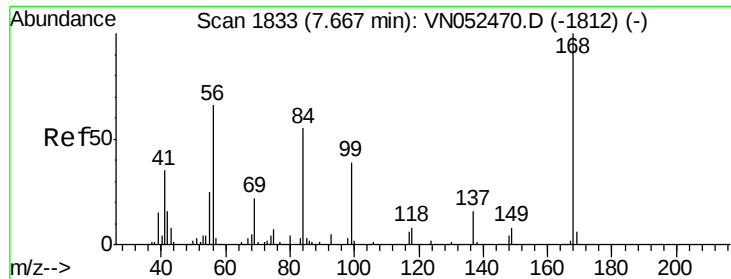
Instrument :
MSVOA_N
Client Sample Id :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052623.D

Acq: 3 Dec 2018 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBS01

Tot Ion:168 Resp: 1024294

Ion Ratio Lower Upper

168 100

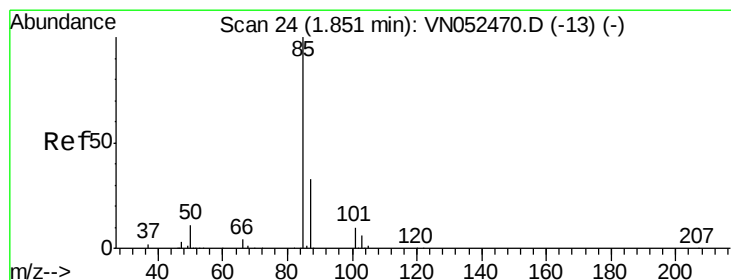
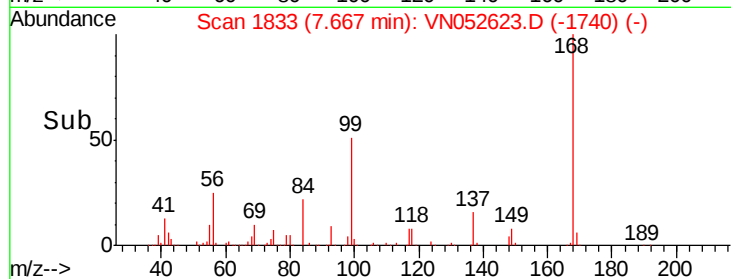
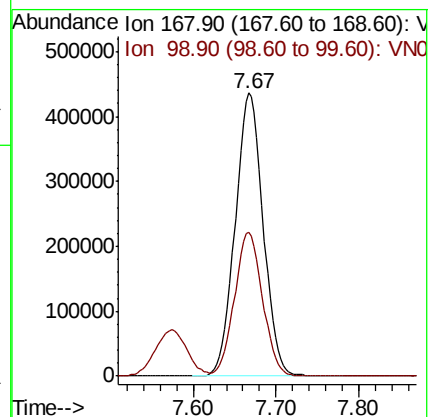
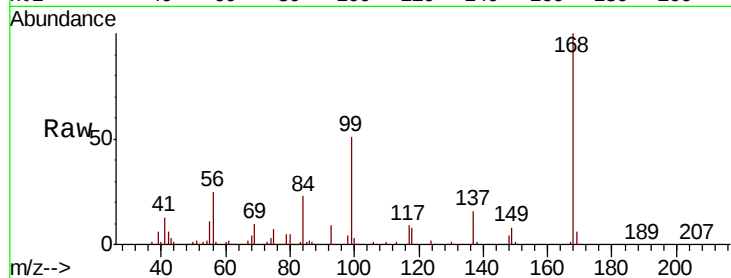
99 50.9 41.7 62.5

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 17.336 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052623.D

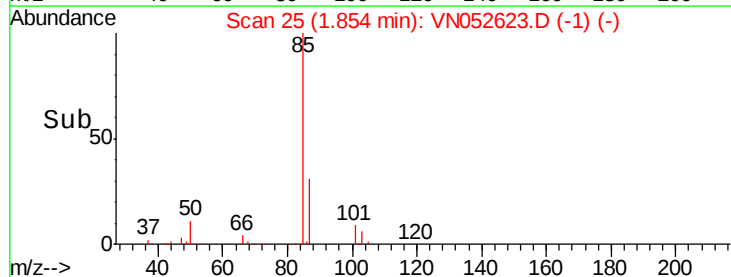
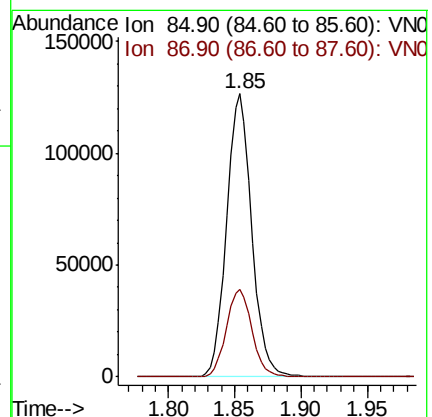
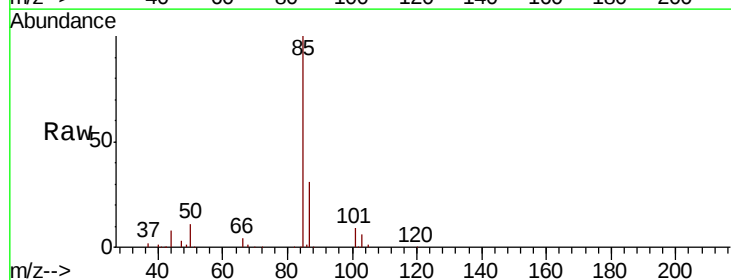
Acq: 3 Dec 2018 11:21

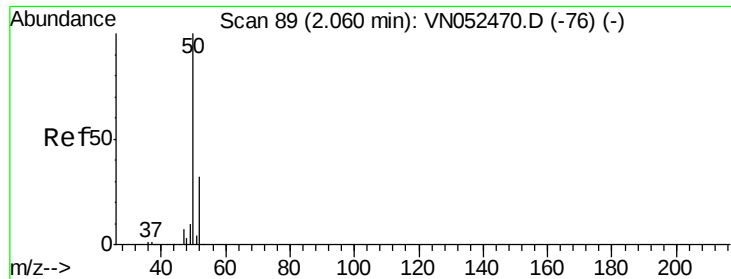
Tgt Ion: 85 Resp: 166270

Ion Ratio Lower Upper

85 100

87 31.1 16.7 50.1





#3

Chloromethane

Concen: 17.019 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052623.D

Acq: 3 Dec 2018 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBS01

Tot Ion: 50 Resp: 215460

Ion Ratio Lower Upper

50 100

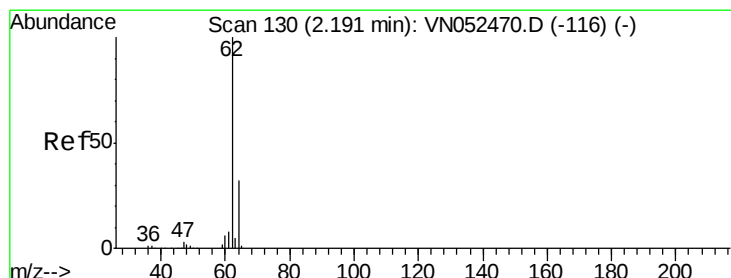
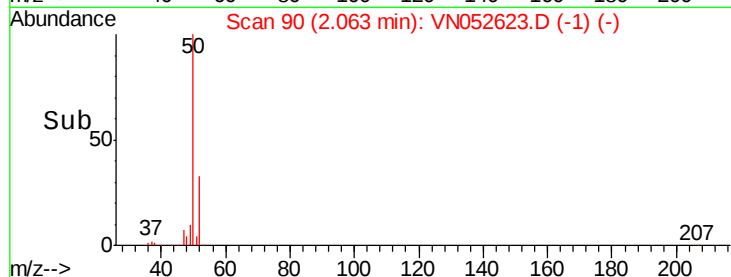
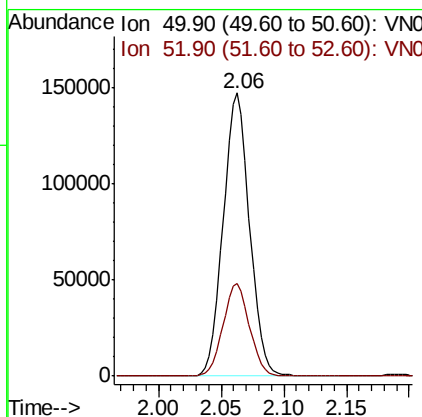
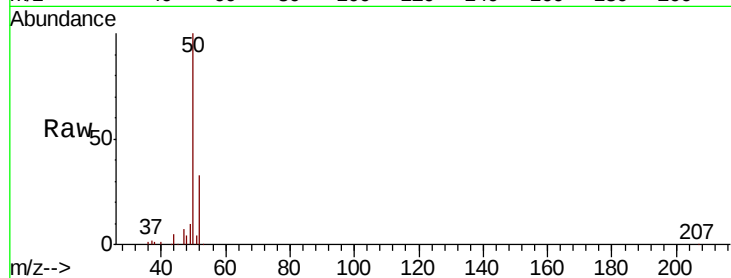
52 32.6 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.395 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052623.D

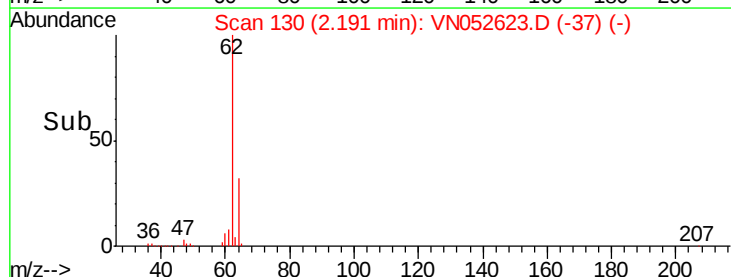
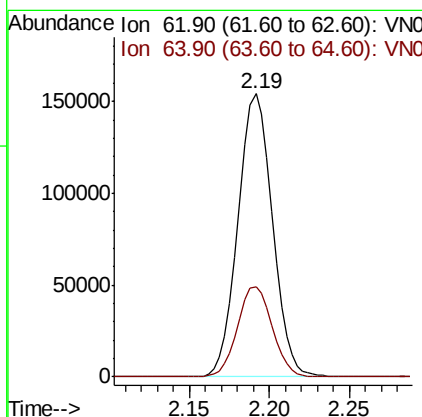
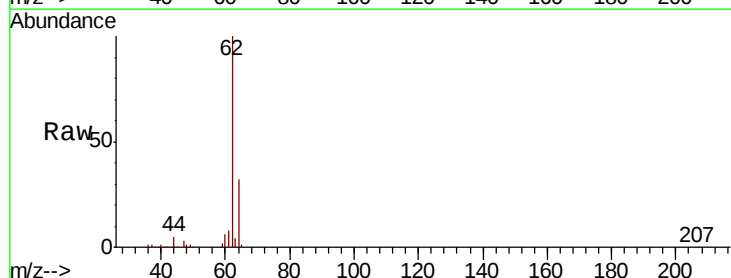
Acq: 3 Dec 2018 11:21

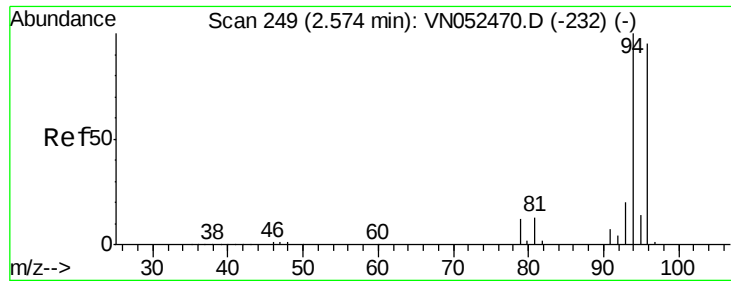
Tgt Ion: 62 Resp: 226214

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





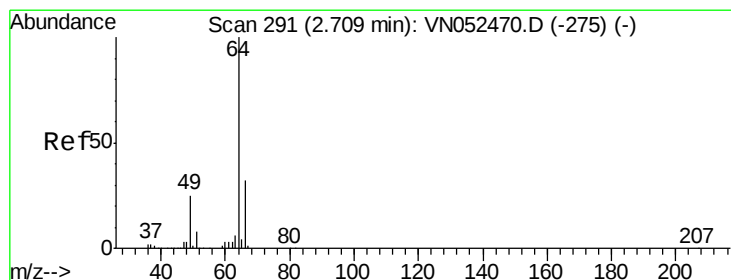
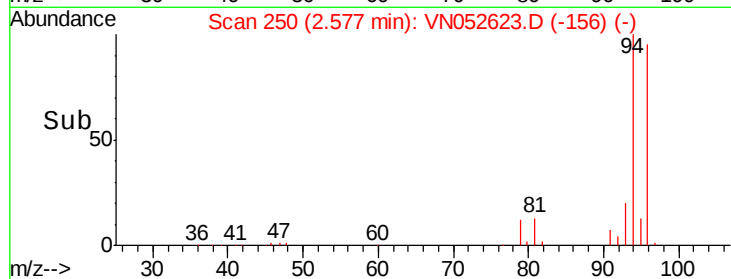
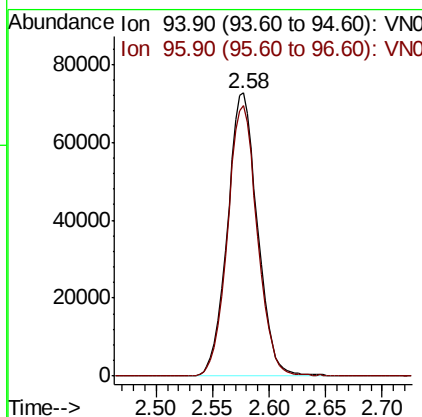
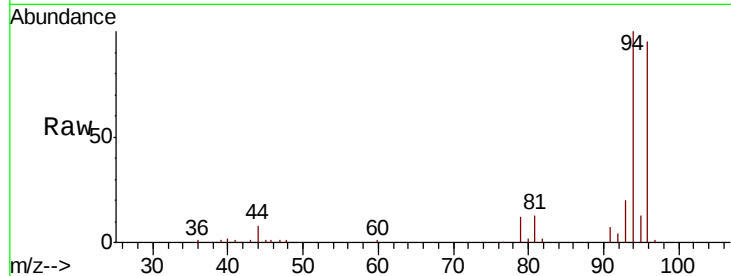
#5
Bromomethane
Concen: 16.492 ug/l
RT: 2.58 min Scan# 250
Delta R.T. 0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
94	100		133818		
96	95.4	75.8	113.8		

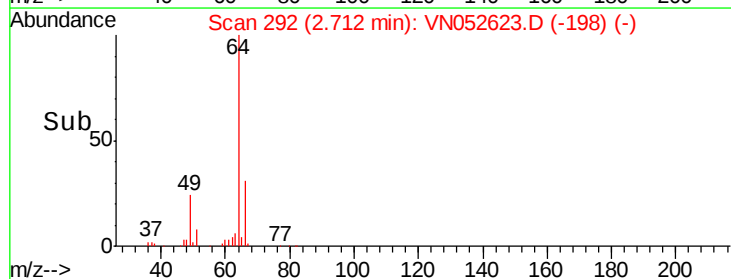
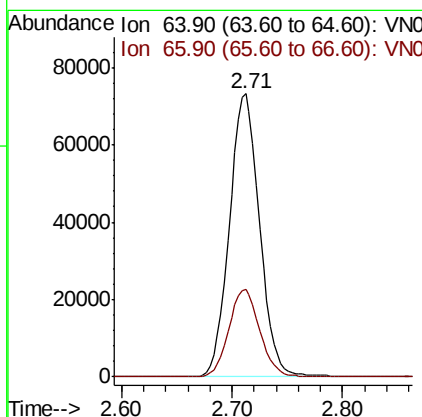
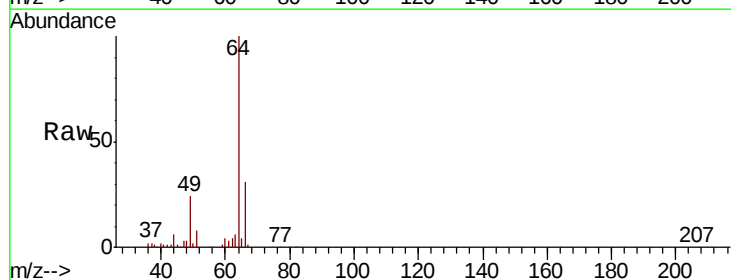
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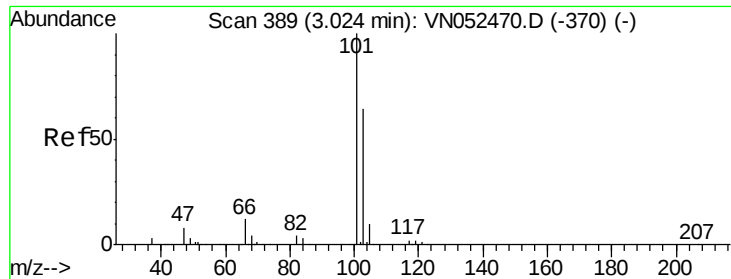
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12/4/2018 2:56:44 PM



#6
Chloroethane
Concen: 17.596 ug/l
RT: 2.71 min Scan# 292
Delta R.T. 0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
64	100		138610		
66	30.9	25.7	38.5		





#7

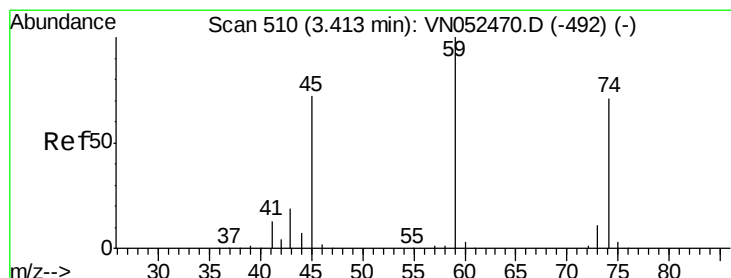
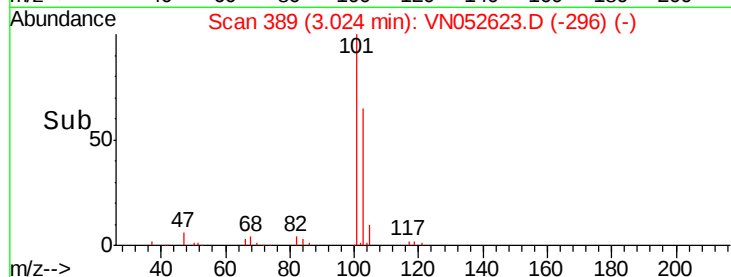
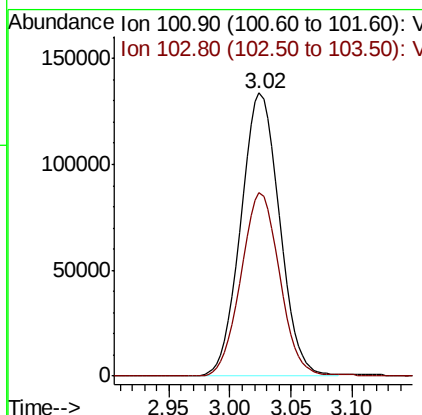
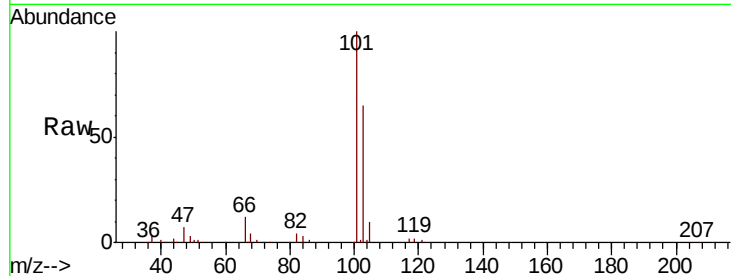
Trichlorofluoromethane
Concen: 18.393 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Instrument :
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ClientSampleId :
VN1203WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		293823		
103	64.9	51.4	77.2		

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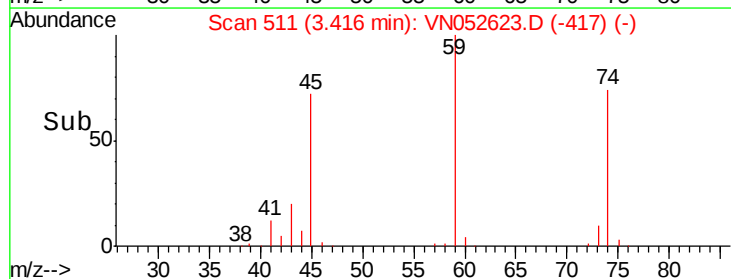
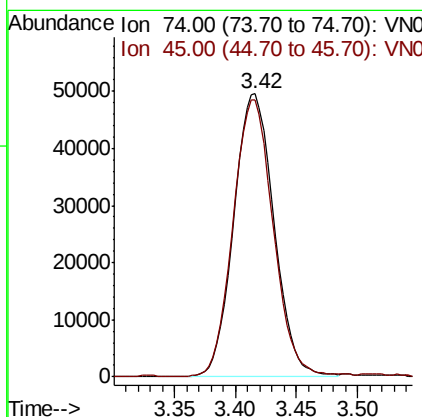
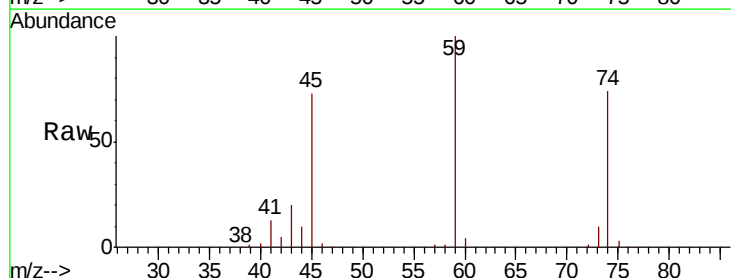
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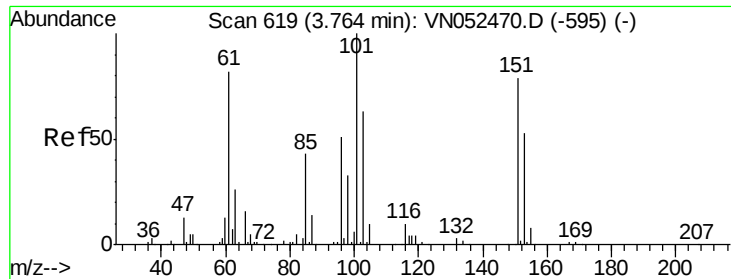


#8

Diethyl Ether
Concen: 19.212 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		113334		
45	98.5	50.4	151.3		





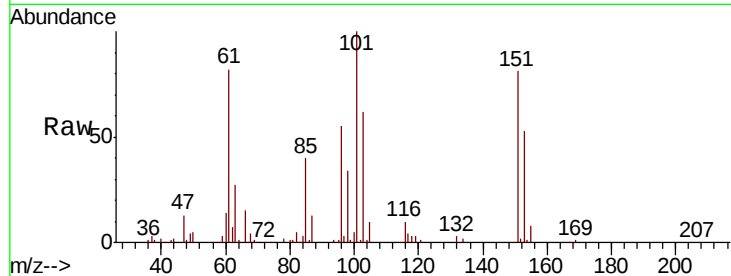
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.393 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: VN052623.D
 Acq: 3 Dec 2018 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	183340		
85	42.1		34.2	51.4
151	82.1		64.6	96.8

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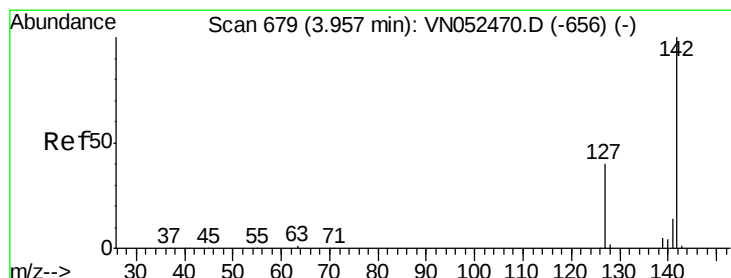
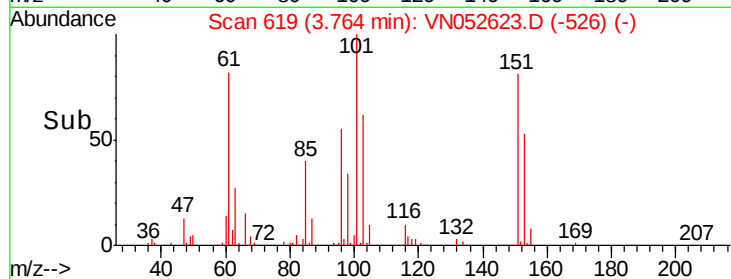
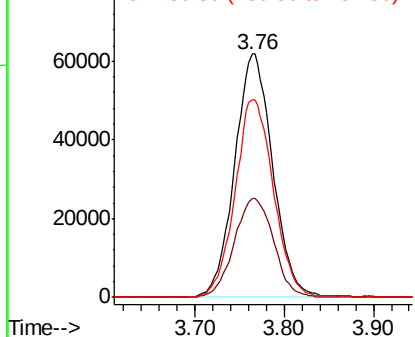


Abundance

Ion 100.90 (100.60 to 101.60): V

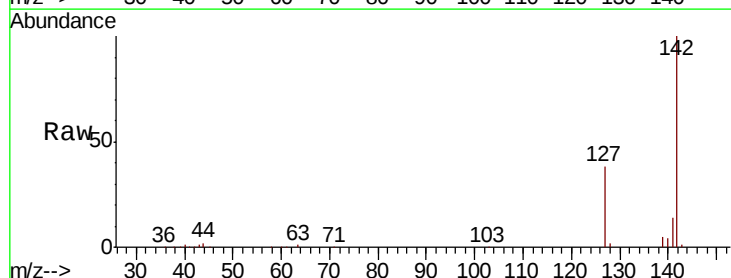
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 19.159 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. -0.00 min
 Lab File: VN052623.D
 Acq: 3 Dec 2018 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	254359		
127	39.0		31.8	47.6
141	13.7		11.4	17.0

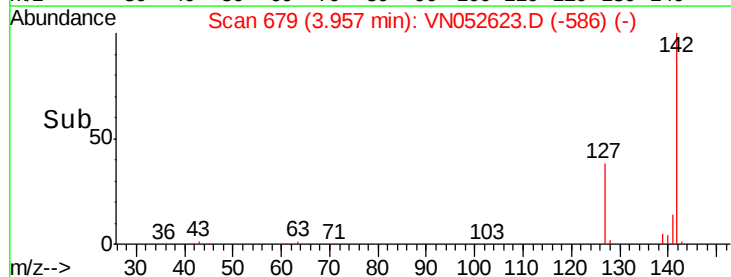
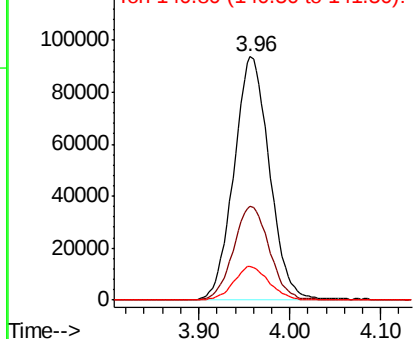


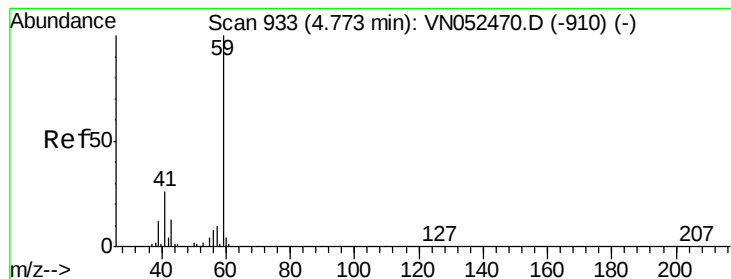
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

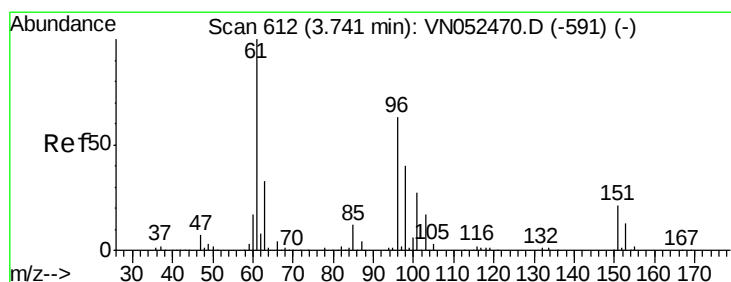
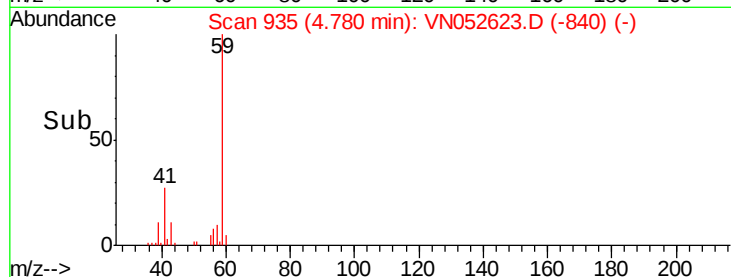
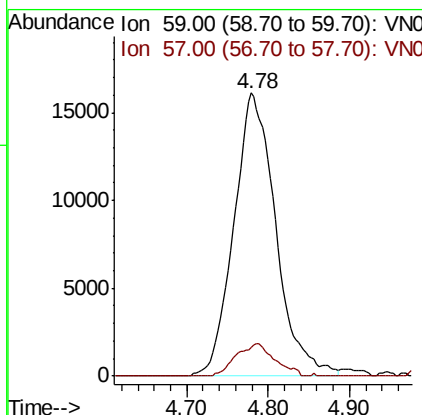
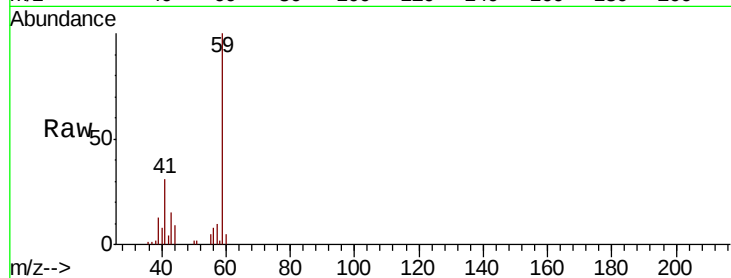
Tert butyl alcohol
 Concen: 102.861 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN052623.D
 Acq: 3 Dec 2018 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS01

Tot Ion	59	Resp	57431
Ion Ratio	100	Lower	Upper
59	100		
57	10.6	7.9	11.9

Manual Integrations
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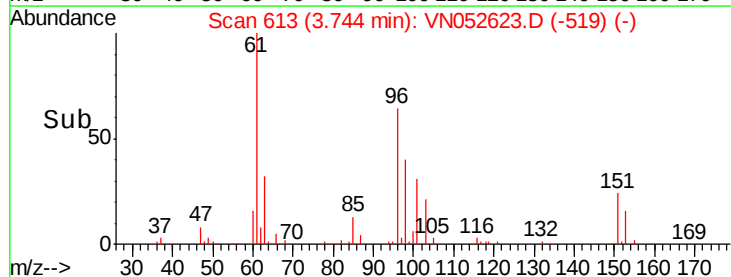
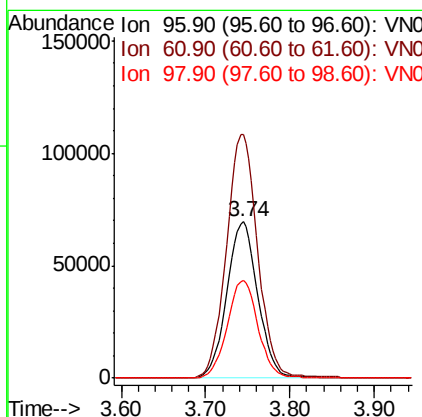
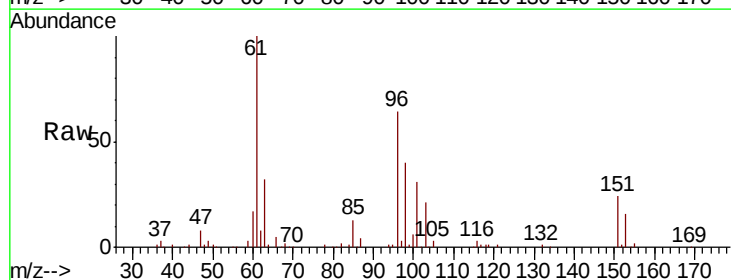
MMDadoda
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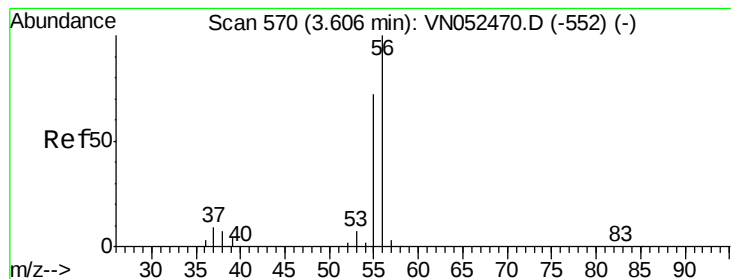


#12

1,1-Dichloroethene
 Concen: 18.530 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052623.D
 Acq: 3 Dec 2018 11:21

Tgt Ion	96	Resp	177794
Ion Ratio	100	Lower	Upper
96	100		
61	155.9	127.0	190.6
98	62.3	50.3	75.5





#13

Acrolein

Concen: 64.480 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052623.D

Acq: 3 Dec 2018 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBS01

Tot Ion: 56 Resp: 62571

Ion Ratio Lower Upper

56 100

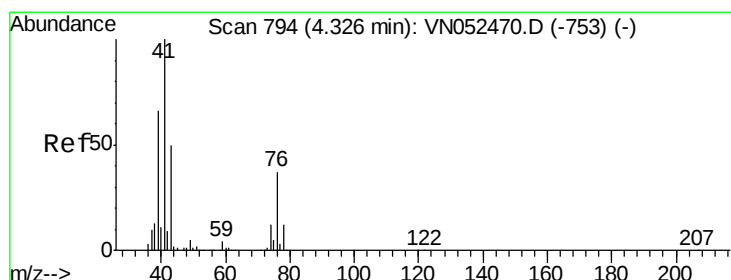
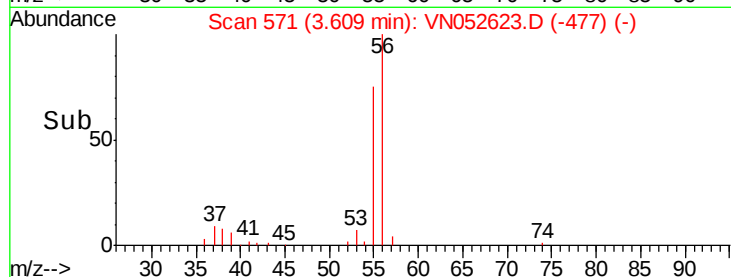
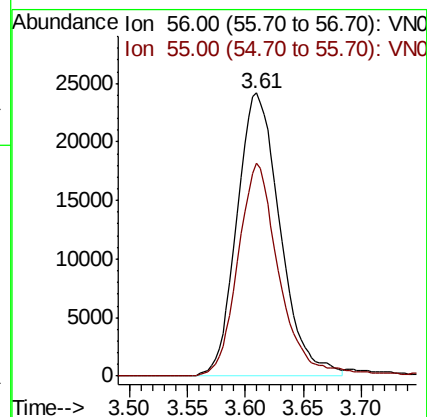
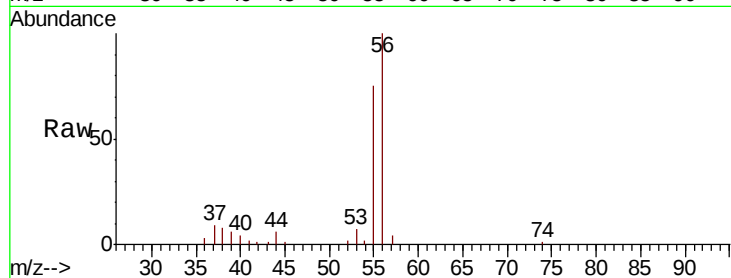
55 71.2 56.8 85.2

Manual Integrations

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#14

Allyl chloride

Concen: 18.232 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052623.D

Acq: 3 Dec 2018 11:21

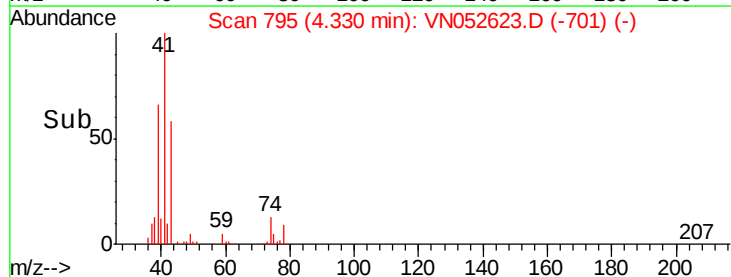
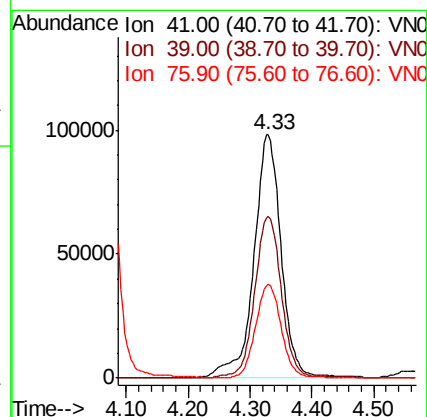
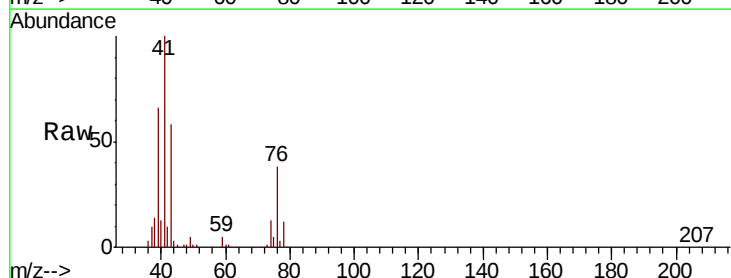
Tgt Ion: 41 Resp: 301496

Ion Ratio Lower Upper

41 100

39 64.9 50.6 76.0

76 36.5 27.4 41.2





#15

Acrylonitrile

Concen: 97.166 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052623.D

Acq: 3 Dec 2018 11:21

Instrument :

MSVOA_N

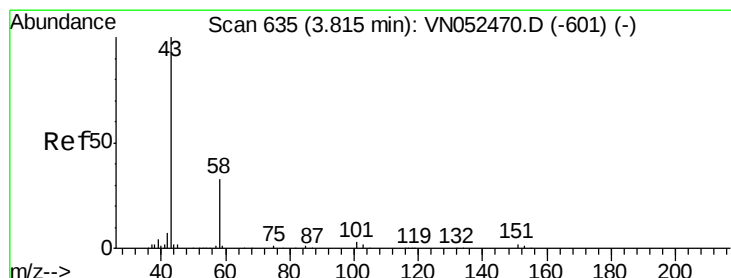
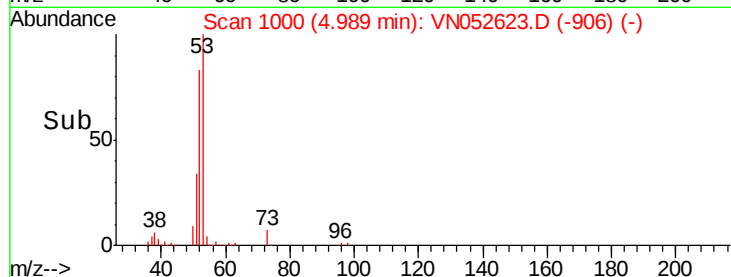
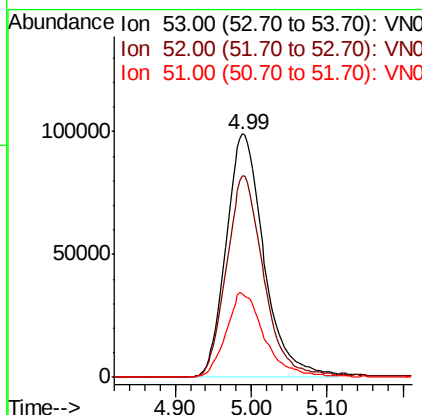
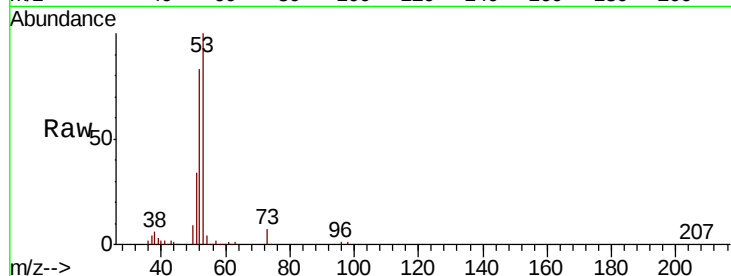
ClientSampleId :

VN1203WBS01

Tot Ion:	53	Resp:	343416
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.2	99.2
51	35.2	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 91.503 ug/l

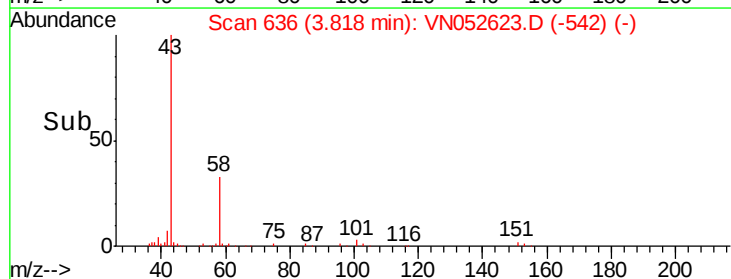
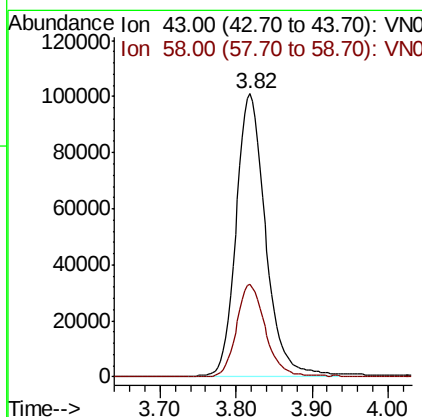
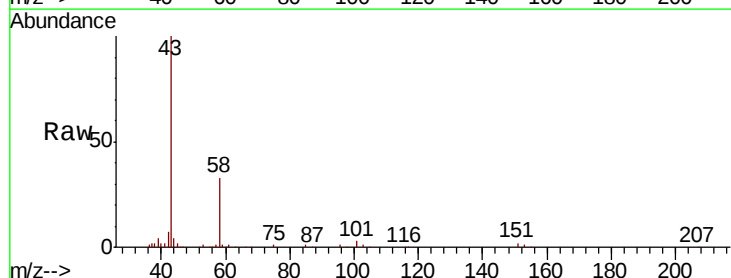
RT: 3.82 min Scan# 636

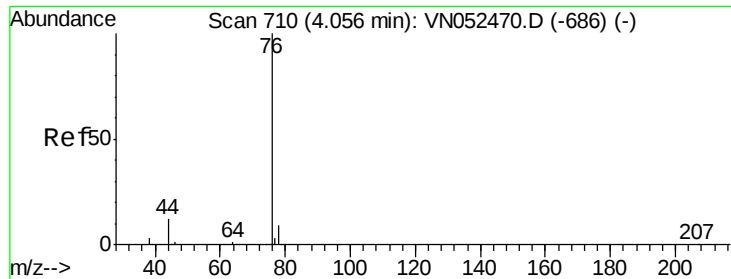
Delta R.T. 0.00 min

Lab File: VN052623.D

Acq: 3 Dec 2018 11:21

Tgt Ion:	43	Resp:	269168
Ion Ratio	Lower	Upper	
43	100		
58	32.7	26.0	39.0





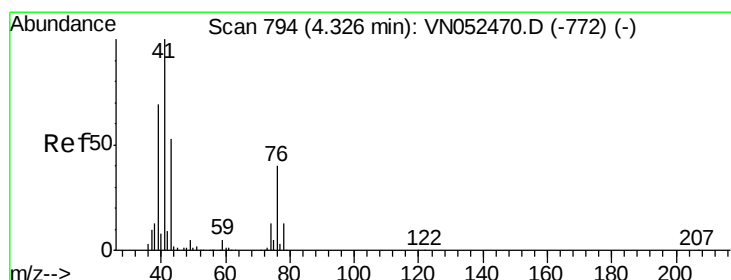
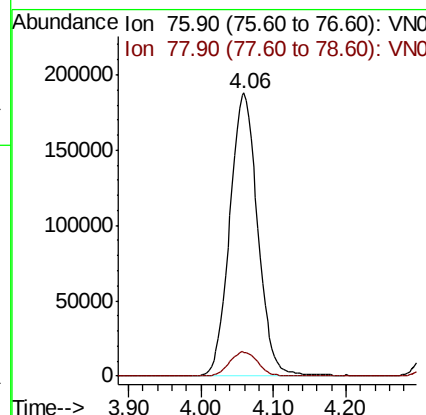
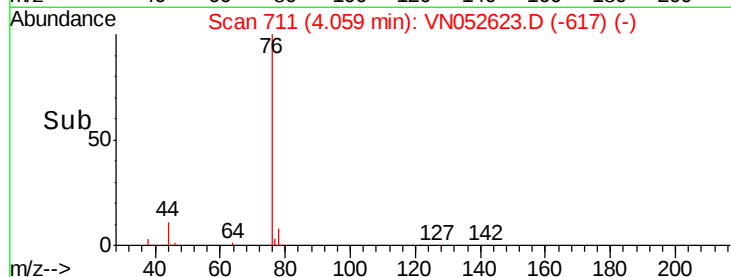
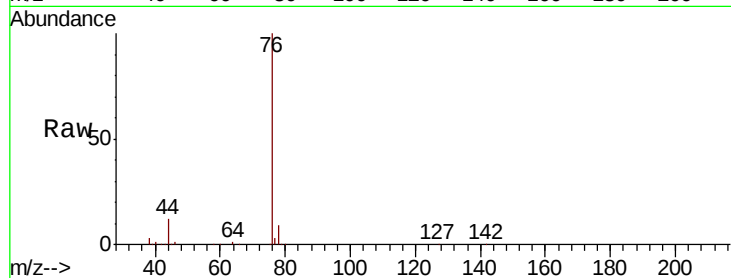
#17
Carbon Disulfide
Concen: 16.684 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS01

Tot Ion: 76 Resp: 503759
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0

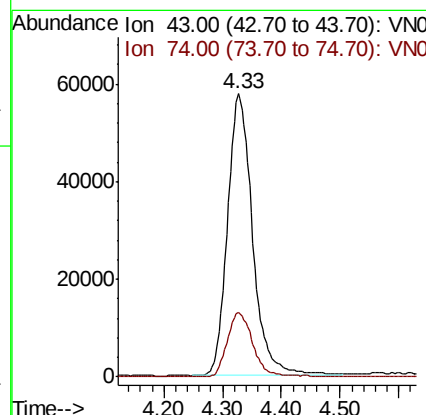
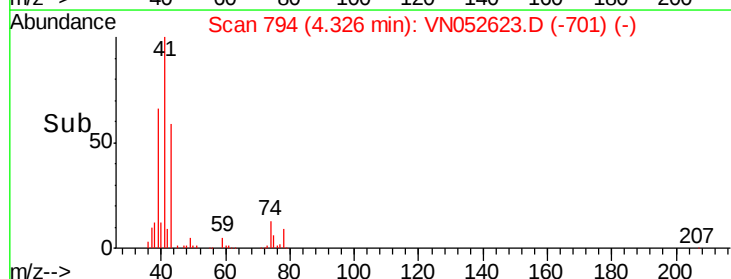
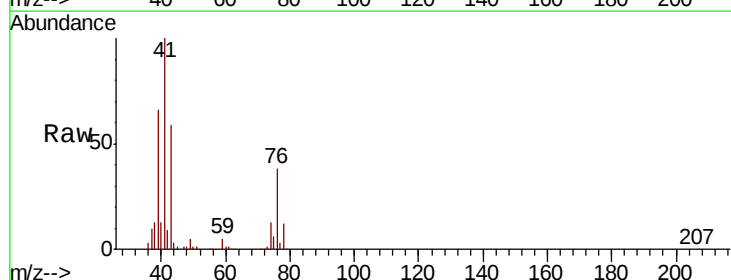
Manual Integrations
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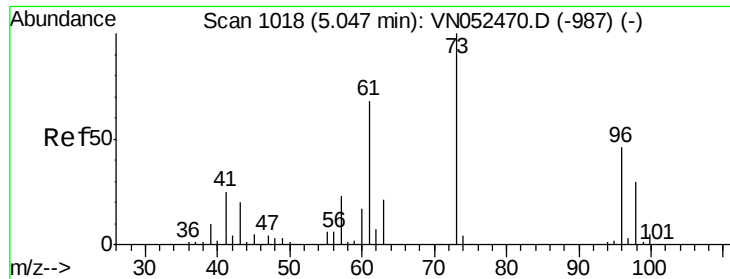
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#18
Methyl Acetate
Concen: 20.340 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Tgt Ion: 43 Resp: 171626
Ion Ratio Lower Upper
43 100
74 23.1 18.6 27.8





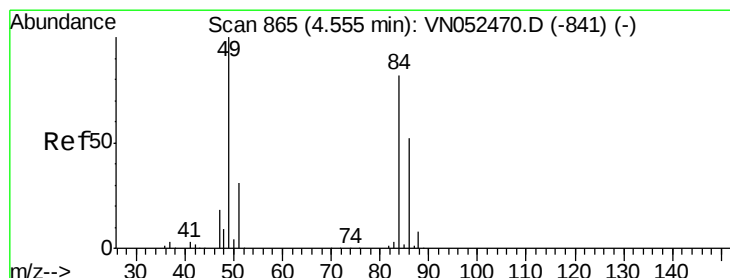
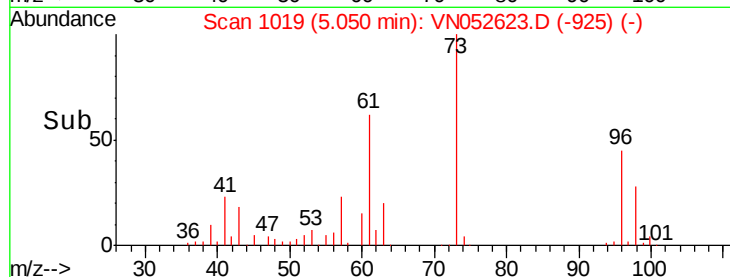
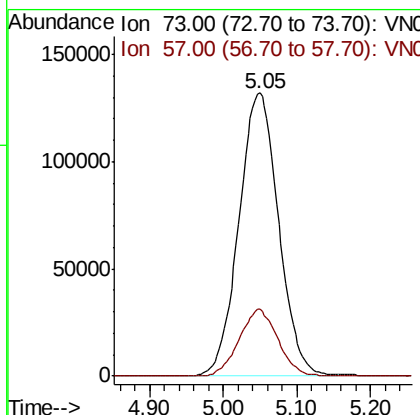
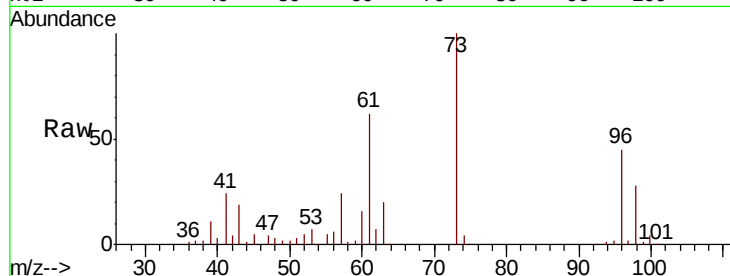
#19
Methvl tert-butvl Ether
Concen: 19.397 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS01

Tot Ion: 73 Resp: 495182
Ion Ratio Lower Upper
73 100
57 23.5 18.2 27.2

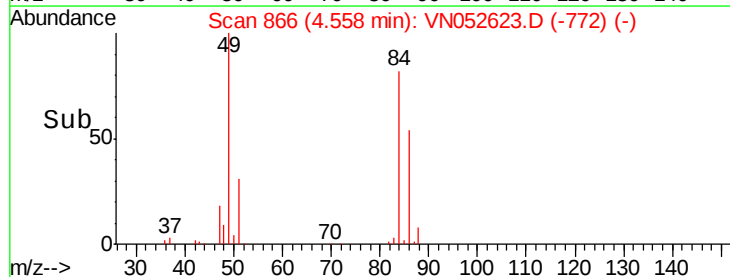
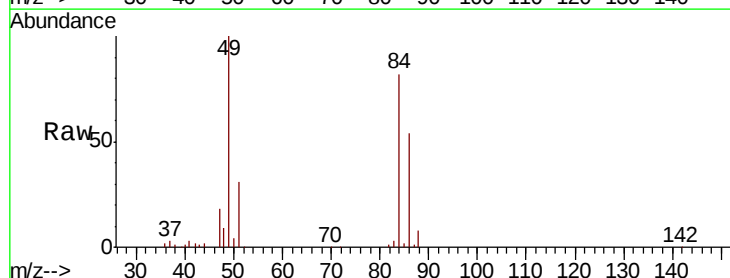
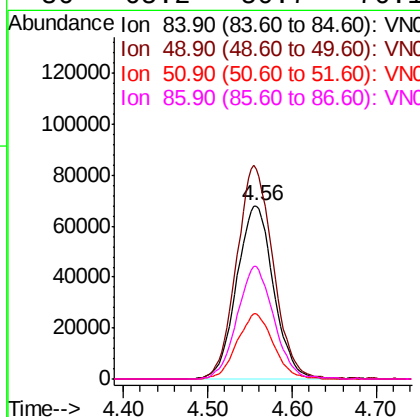
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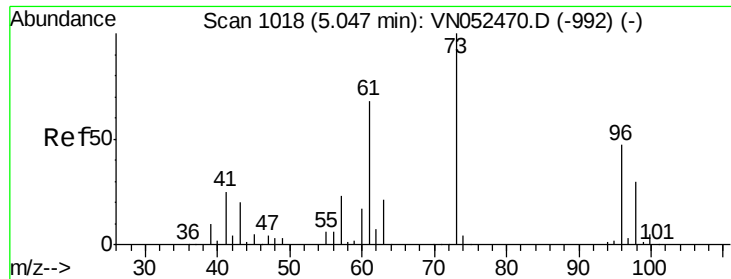
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#20
Methylene Chloride
Concen: 17.966 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Tgt Ion: 84 Resp: 206817
Ion Ratio Lower Upper
84 100
49 121.2 98.0 147.0
51 37.9 30.1 45.1
86 65.2 50.7 76.1





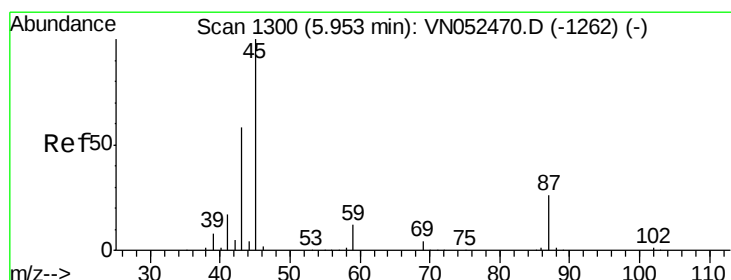
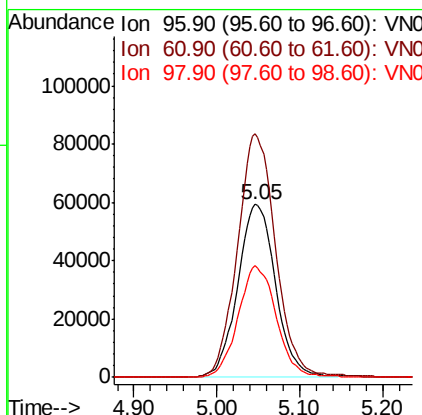
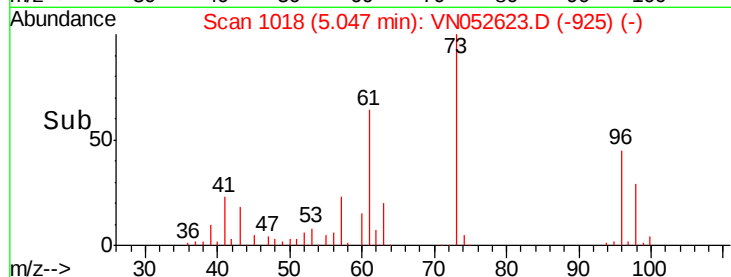
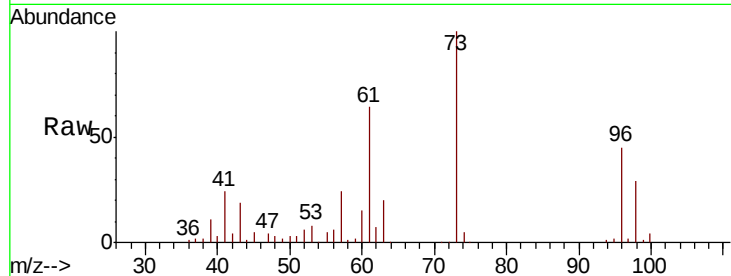
#21
trans-1,2-Dichloroethene
Concen: 18.383 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Instrument :
MSVOA_N
ClientSampled :
VN1203WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.1	117.0	175.4
98	64.5	51.8	77.6

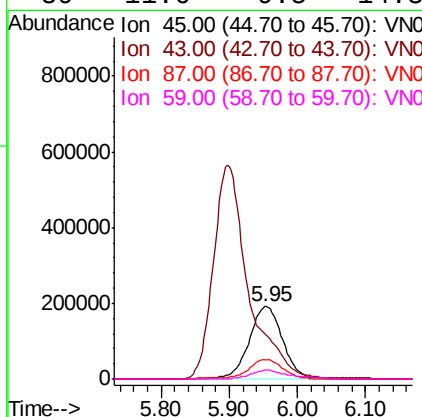
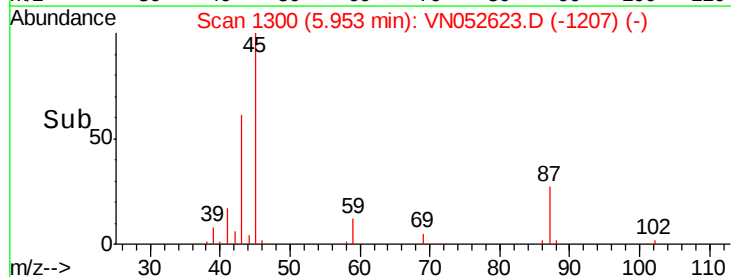
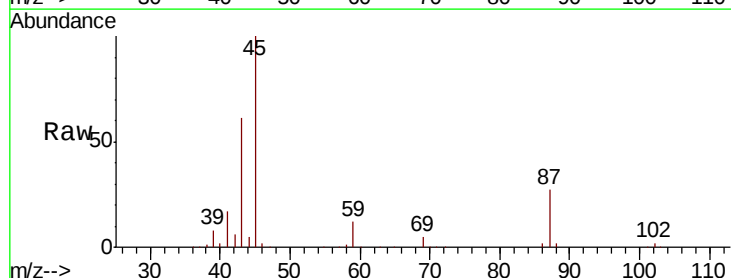
Manual Integrations
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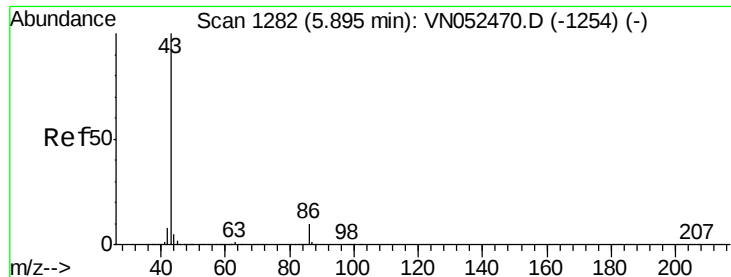
MMDadoda
12/4/2018 2:56:44 PM



#22
Diisopropyl ether
Concen: 18.753 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.6	46.1	69.1
87	27.2	21.3	31.9
59	11.6	9.5	14.3





#23

Vinyl Acetate

Concen: 93.400 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052623.D

Acq: 3 Dec 2018 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBS01

Tot Ion: 43 Resp: 2020772

Ion Ratio Lower Upper

43 100

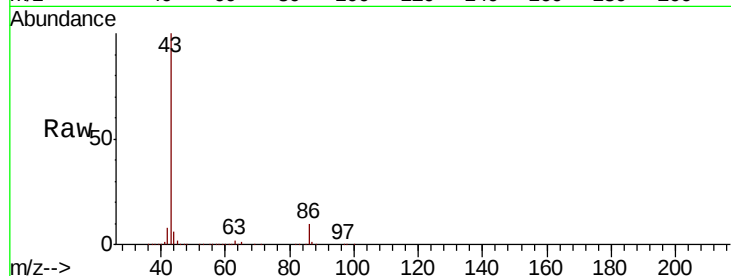
86 10.1 7.8 11.8

Manual Integrations

APPROVED

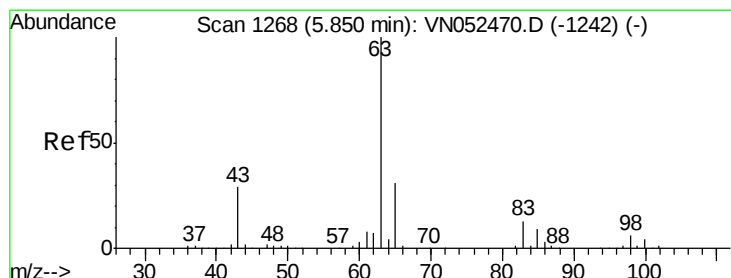
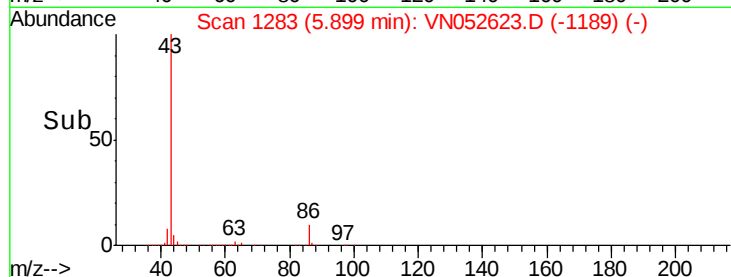
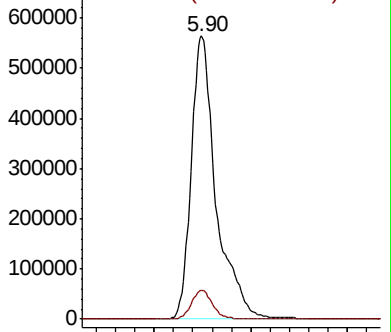
MMDadoda

12/4/2018 2:56:44 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.722 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052623.D

Acq: 3 Dec 2018 11:21

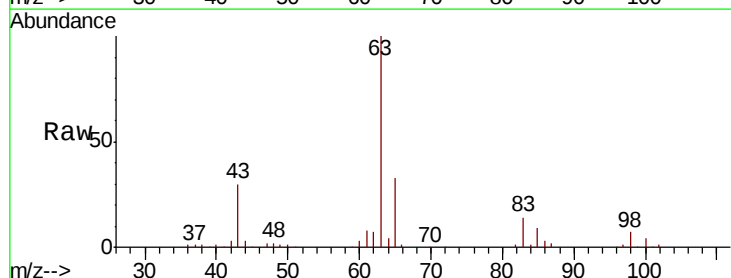
Tgt Ion: 63 Resp: 371315

Ion Ratio Lower Upper

63 100

98 6.8 3.0 9.2

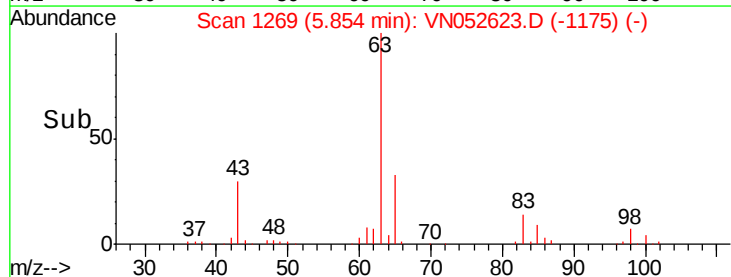
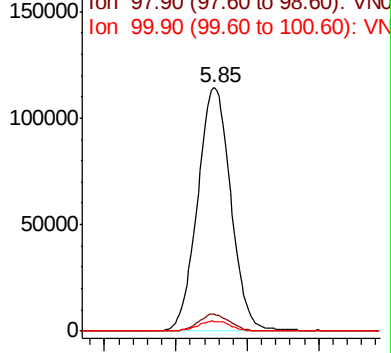
100 4.0 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





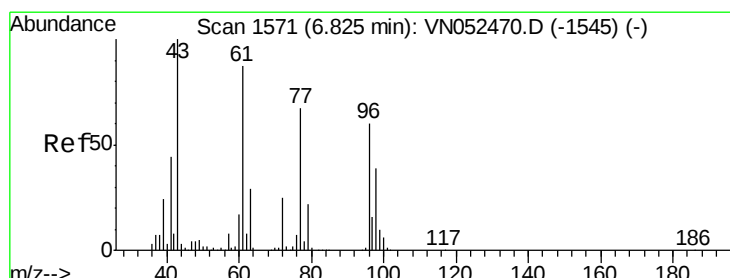
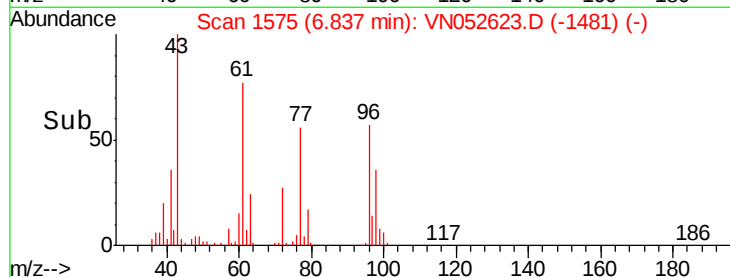
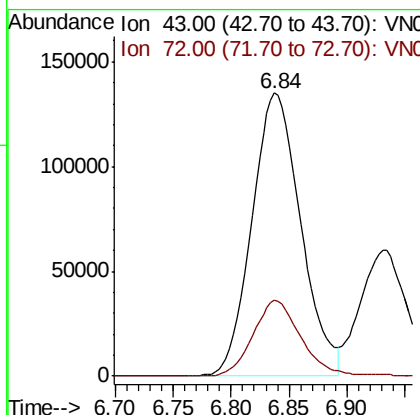
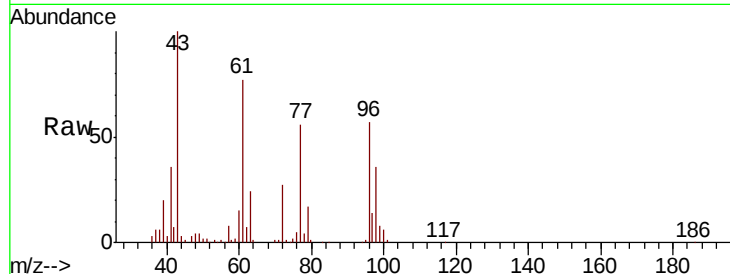
#25
2-Butanone
Concen: 94.460 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS01

Tot Ion: 43 Resp: 393848
Ion Ratio Lower Upper
43 100
72 26.7 20.1 30.1

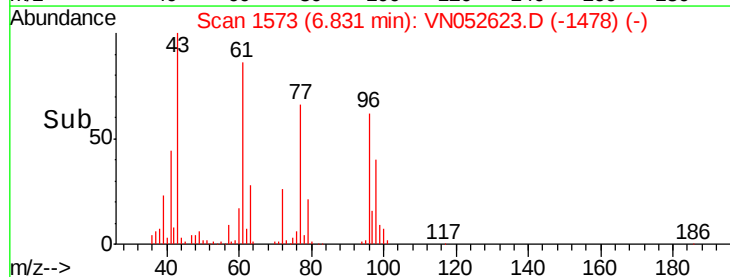
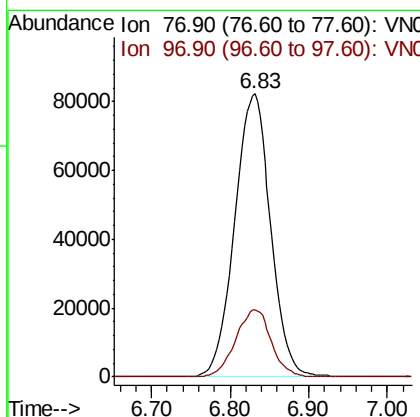
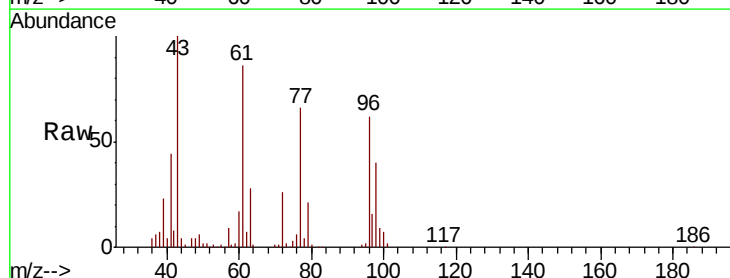
Manual Integrations
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MMDadoda
12/4/2018 2:56:44 PM



#26
2,2-Dichloropropane
Concen: 19.145 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Tgt Ion: 77 Resp: 262821
Ion Ratio Lower Upper
77 100
97 23.6 11.8 35.3





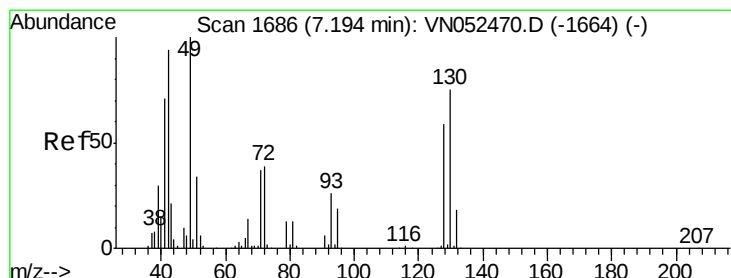
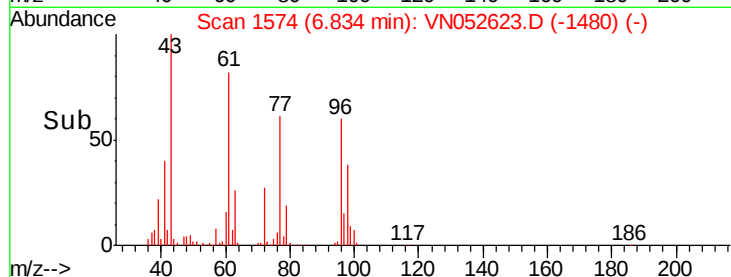
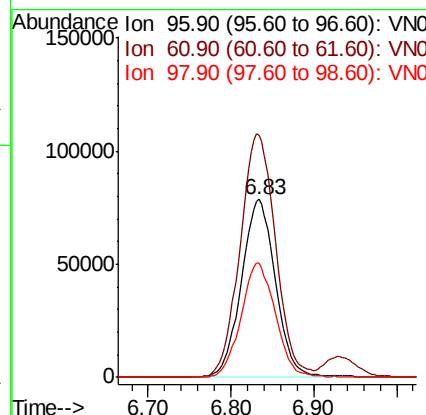
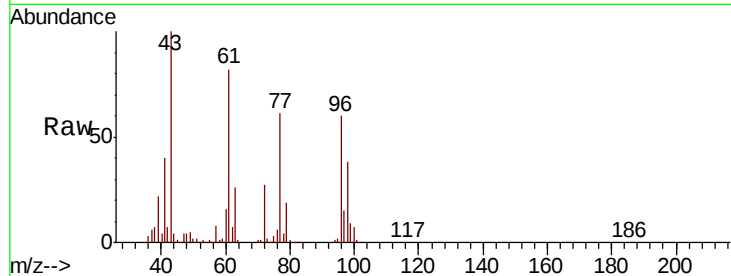
#27
 cis-1,2-Dichloroethene
 Concen: 18.845 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN052623.D
 Acq: 3 Dec 2018 11:21

Instrument :
 MSVOA_N
 ClientSampled :
 VN1203WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	224955		
61	142.6	0.0	291.0	
98	64.8	0.0	130.0	

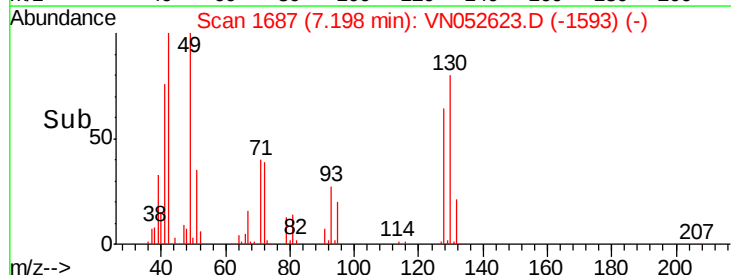
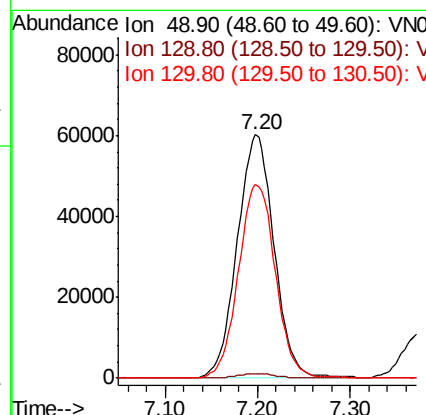
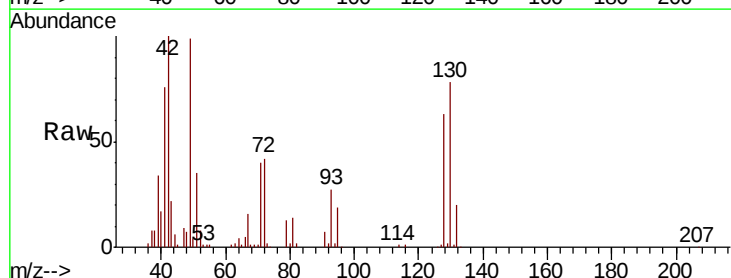
Manual Integrations
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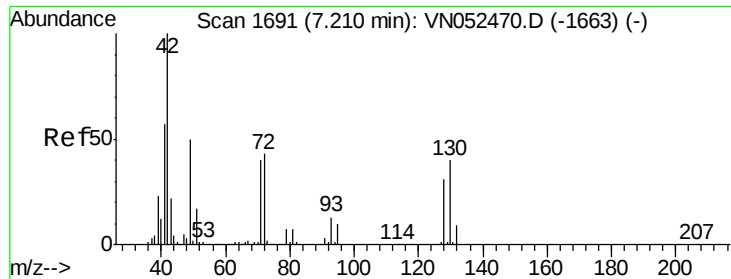
MMDadoda
 12/4/2018 2:56:44 PM



#28
 Bromochloromethane
 Concen: 18.315 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN052623.D
 Acq: 3 Dec 2018 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	165908		
129	1.8	0.0	3.8	
130	79.6	60.2	90.2	





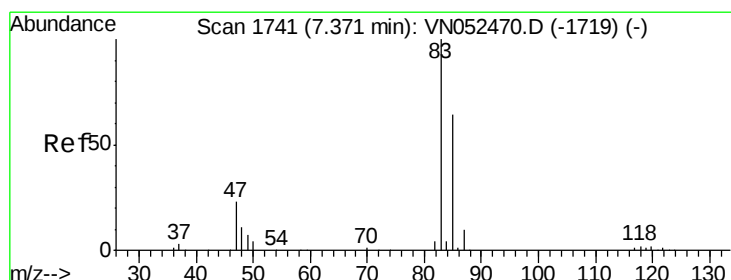
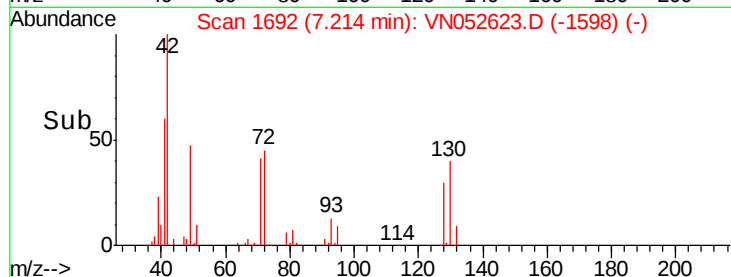
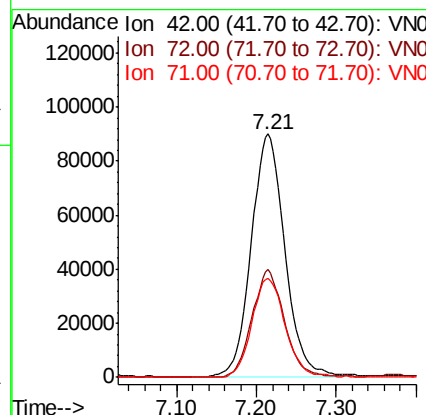
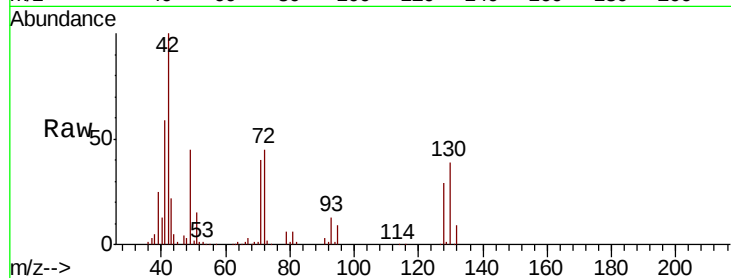
#29
Tetrahydrofuran
Concen: 96.346 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.3	49.9
71	40.1	32.0	48.0

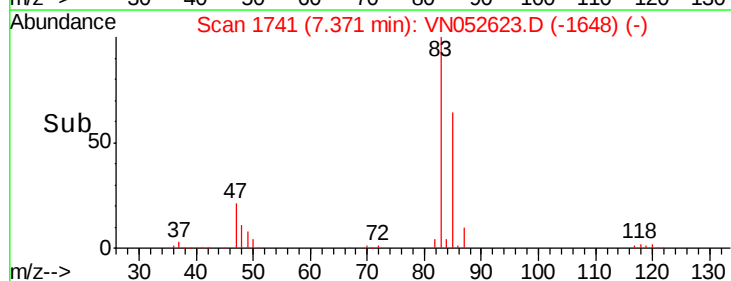
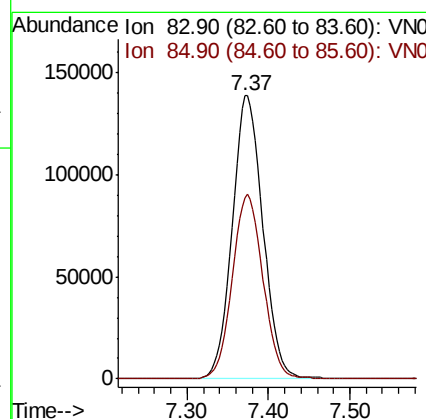
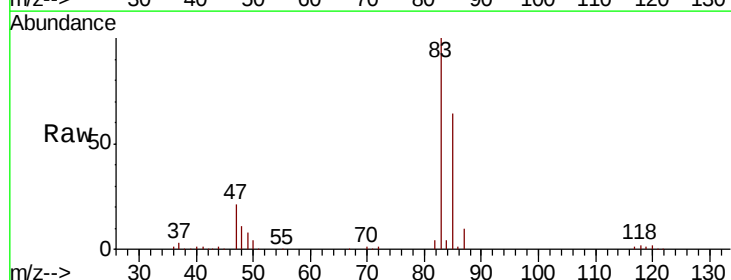
Manual Integrations
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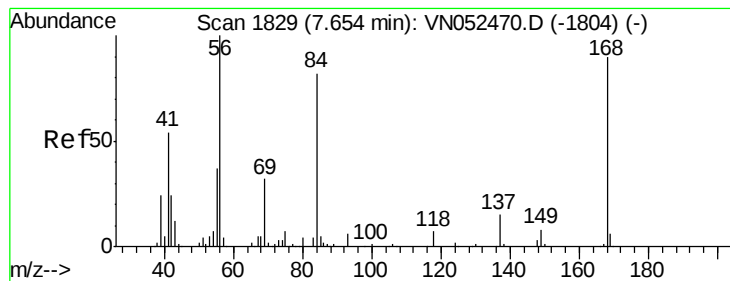
MMDadoda
12/4/2018 2:56:44 PM



#30
Chloroform
Concen: 18.428 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.0	76.4





#31

Cyclohexane

Concen: 17.596 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052623.D

Acq: 3 Dec 2018 11:21

Instrument :

MSVOA_N

ClientSampled :

VN1203WBS01

Tot Ion: 56 Resp: 342318

Ion Ratio Lower Upper

56 100

69 37.7 25.8 38.6

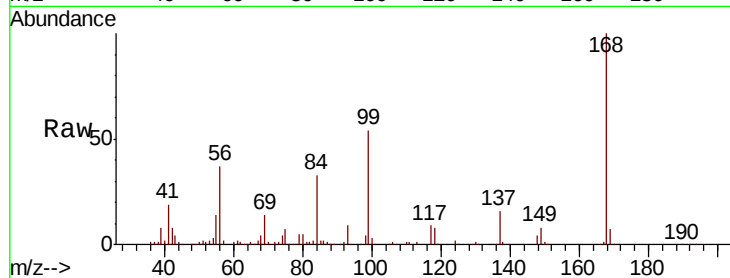
84 88.8 65.3 97.9

Manual Integrations

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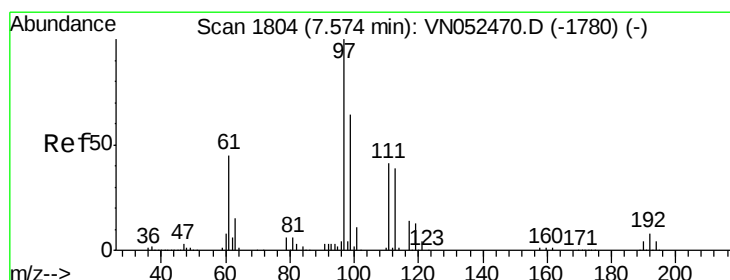
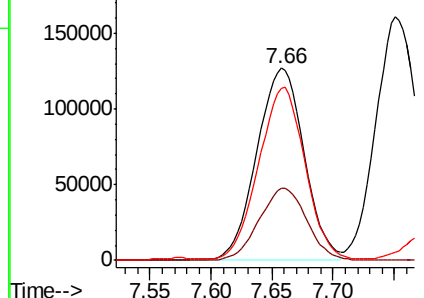
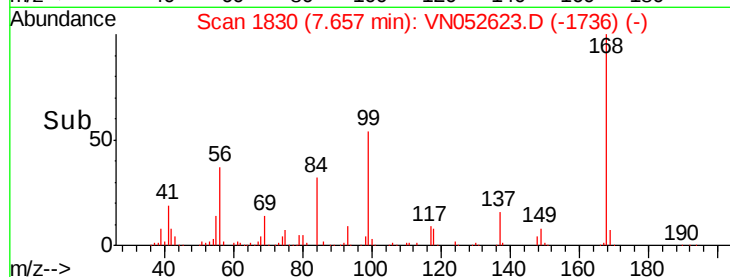
12/4/2018 2:56:44 PM



Abundance Ion 56.00 (55.70 to 56.70): VN052623.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN052623.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN052623.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 19.150 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN052623.D

Acq: 3 Dec 2018 11:21

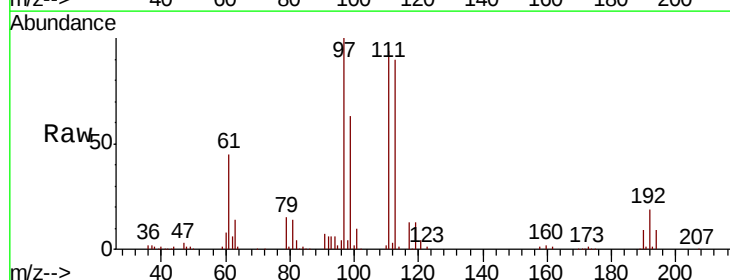
Tgt Ion: 97 Resp: 300234

Ion Ratio Lower Upper

97 100

99 63.8 51.7 77.5

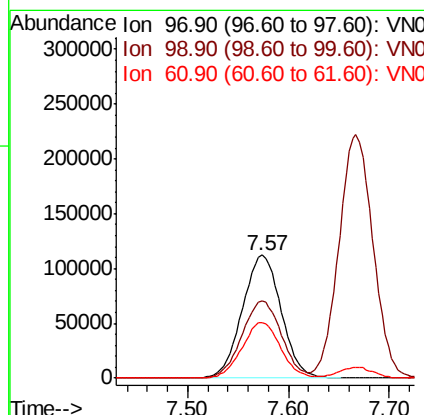
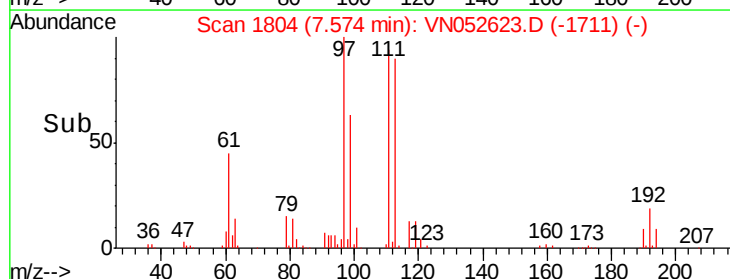
61 44.8 36.8 55.2



Abundance Ion 96.90 (96.60 to 97.60): VN052623.D (-1711) (-)

Ion 98.90 (98.60 to 99.60): VN052623.D (-1711) (-)

Ion 60.90 (60.60 to 61.60): VN052623.D (-1711) (-)





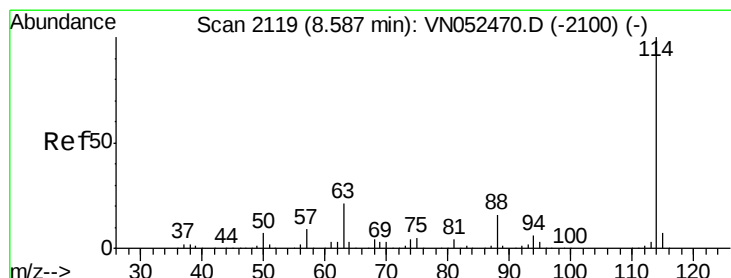
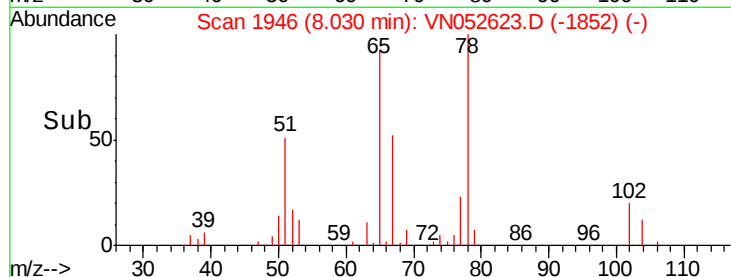
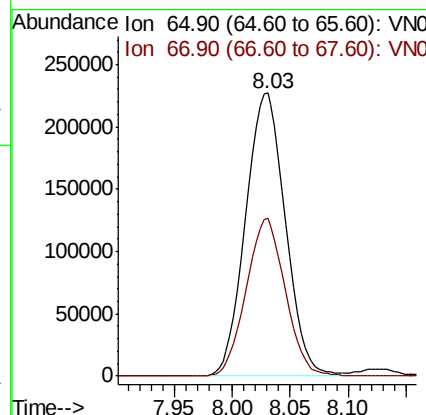
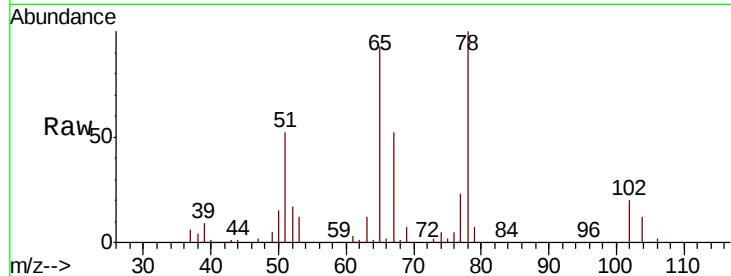
#33
 1,2-Dichloroethane-d4
 Concen: 19.150 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052623.D
 Acq: 3 Dec 2018 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS01

Tot Ion: 65 Resp: 542396
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.8

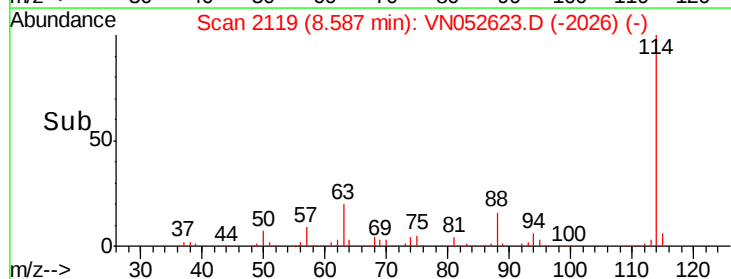
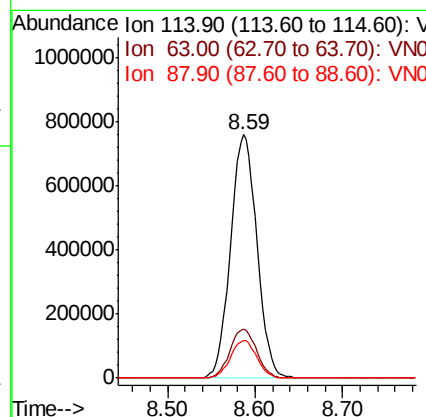
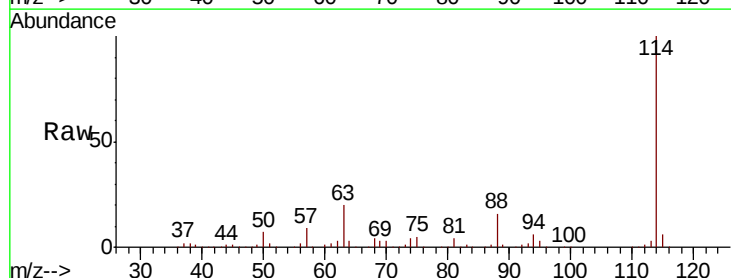
Manual Integrations
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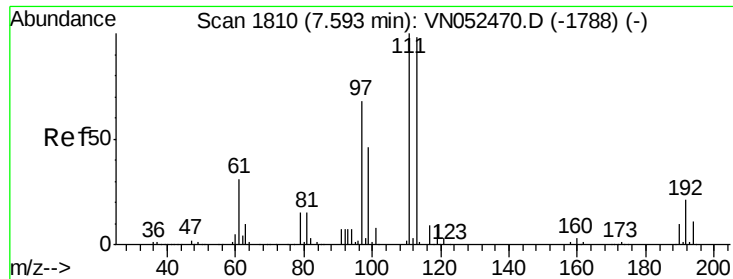
MMDadoda
 12/4/2018 2:56:44 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052623.D
 Acq: 3 Dec 2018 11:21

Tgt Ion: 114 Resp: 1589945
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.8
 88 15.6 0.0 31.6





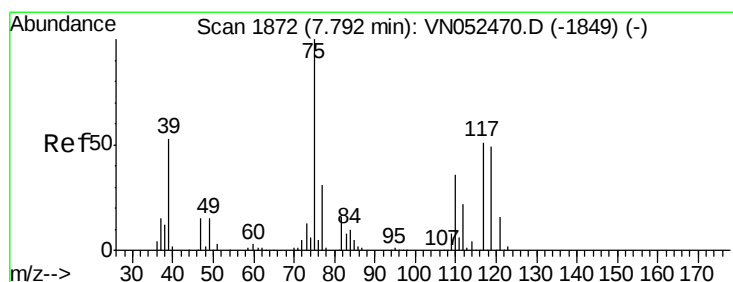
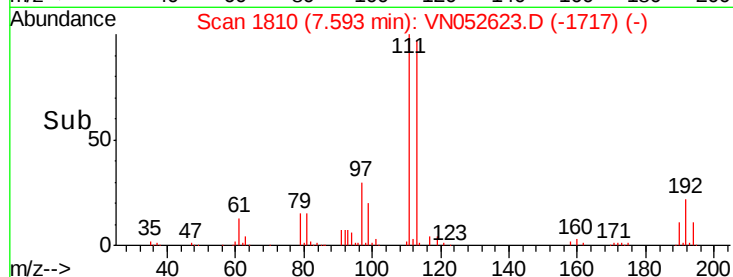
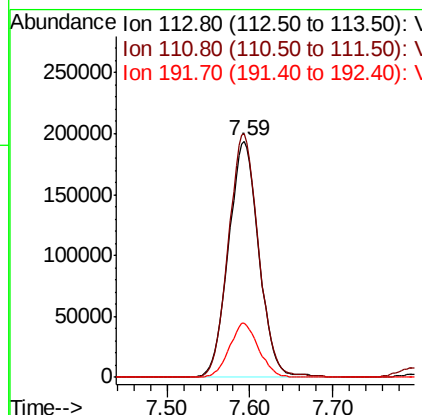
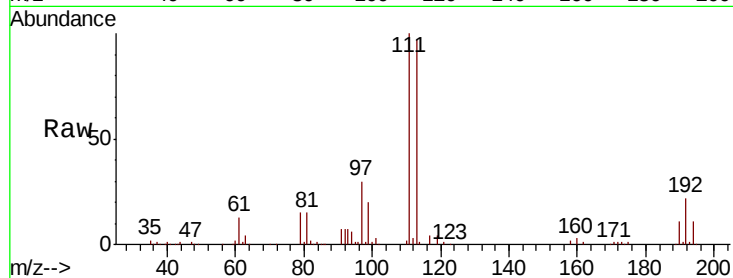
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052623.D
 Acq: 3 Dec 2018 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	493268		
111	102.5	82.0	123.0	
192	21.9	17.0	25.6	

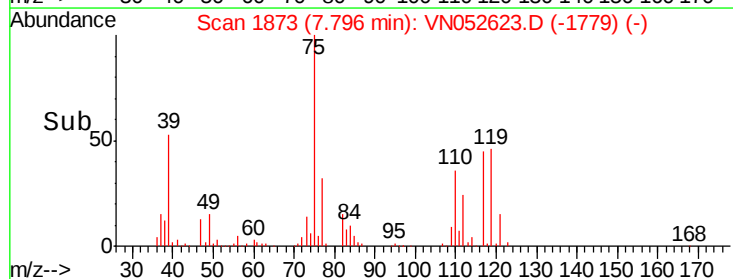
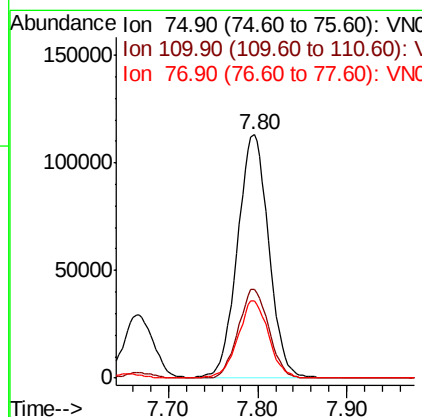
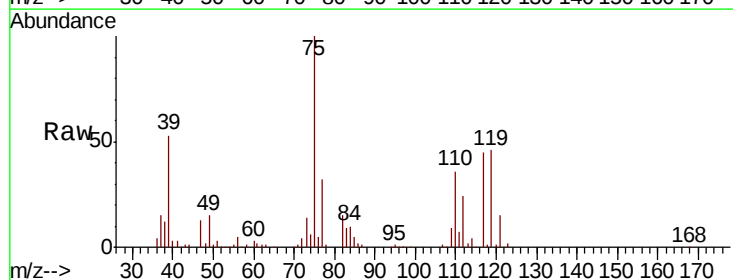
Manual Integrations
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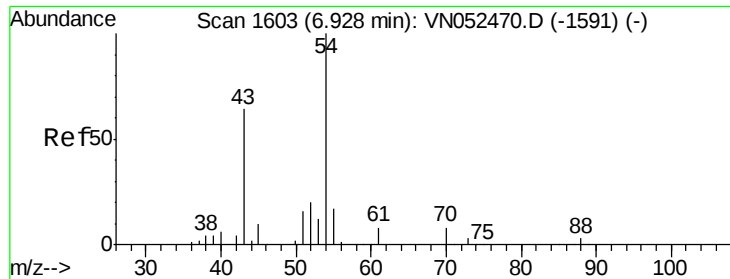
MMDadoda
 12/4/2018 2:56:44 PM



#36
 1,1-Dichloropropene
 Concen: 18.267 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052623.D
 Acq: 3 Dec 2018 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	274266		
110	35.8	17.5	52.6	
77	31.4	24.5	36.7	





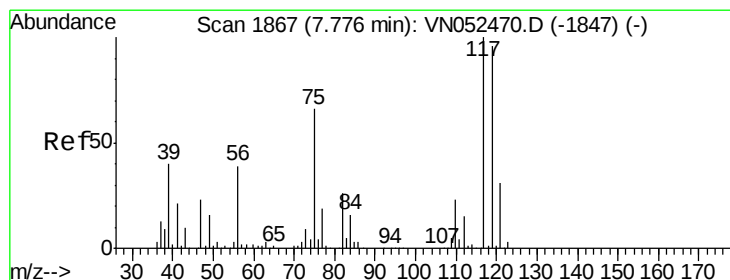
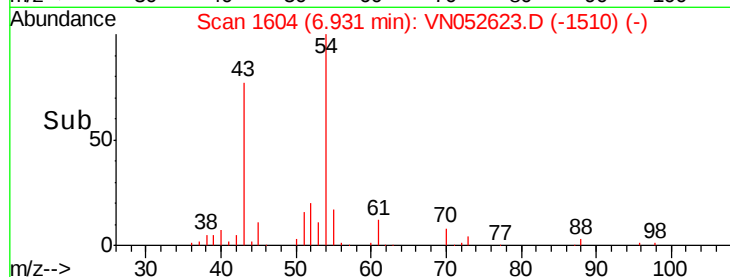
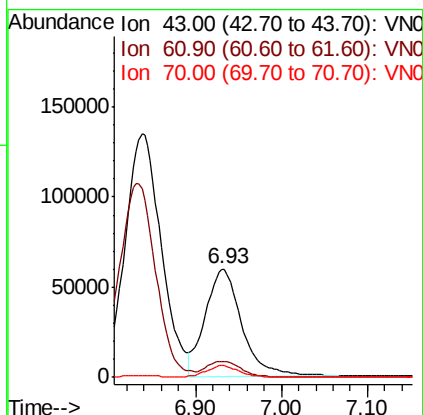
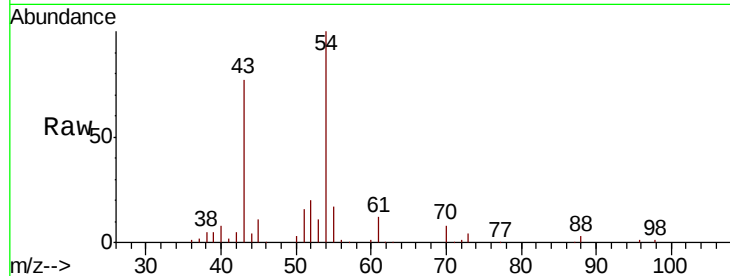
#37
Ethyl Acetate
Concen: 19.232 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Instrument :
MSVOA_N
ClientSampled :
VN1203WBS01

Tot Ion	43	61	70	Ratio	Lower	Upper
176229	100	13.9	10.0		11.8	17.8

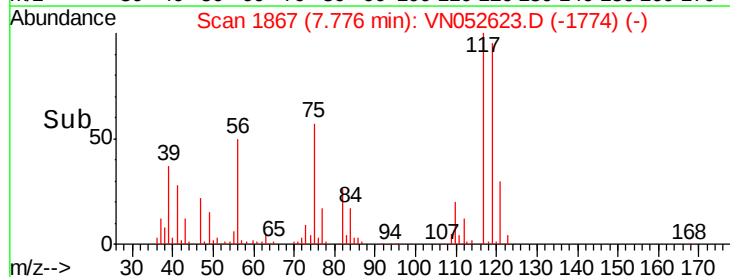
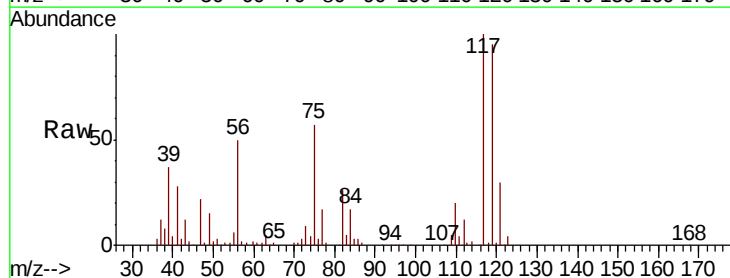
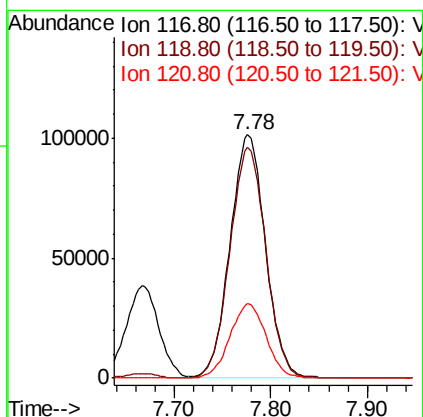
Manual Integrations
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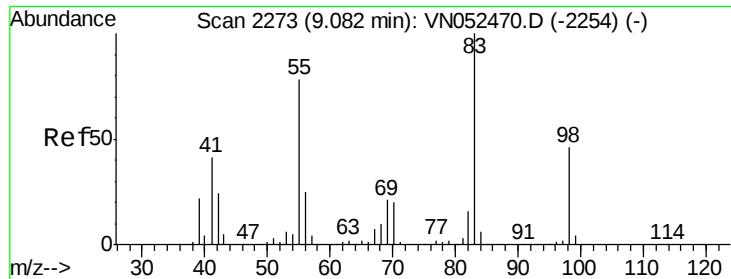
MMDadoda
12/4/2018 2:56:44 PM



#38
Carbon Tetrachloride
Concen: 18.994 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Tgt Ion	117	119	121	Ratio	Lower	Upper
258161	100	95.1	30.5		76.8	115.2





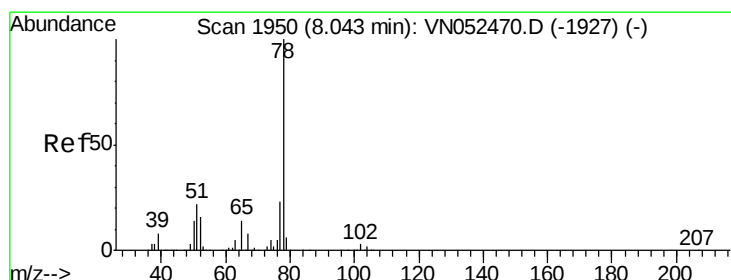
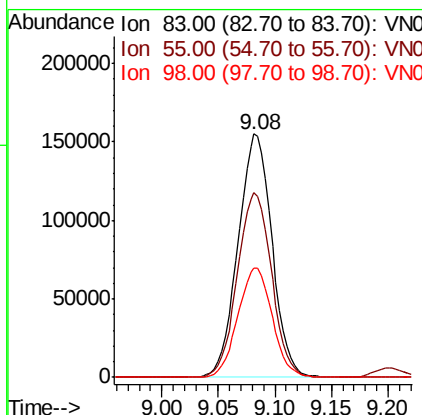
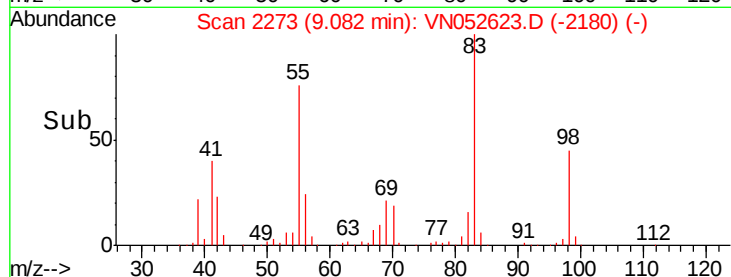
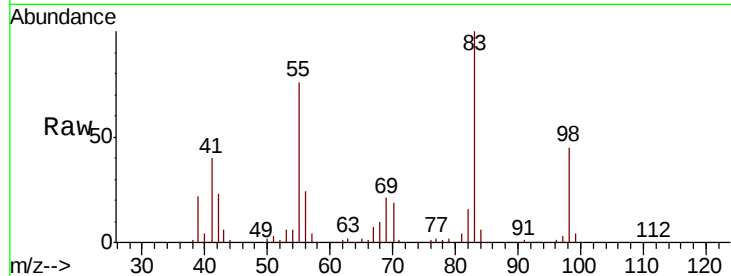
#39
Methvlcvclohexane
Concen: 17.756 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.9	62.2	93.2
98	45.0	36.4	54.6

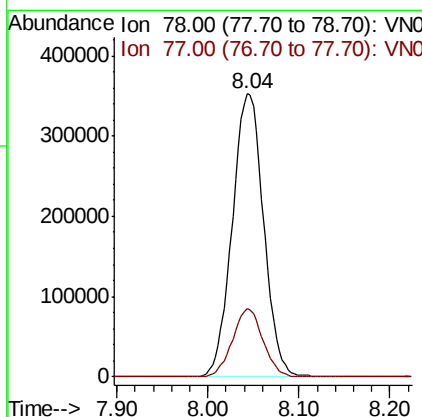
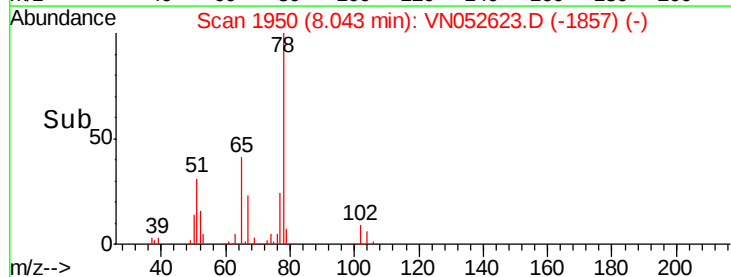
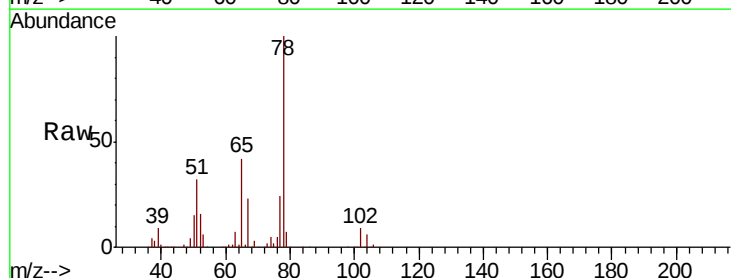
Manual Integrations
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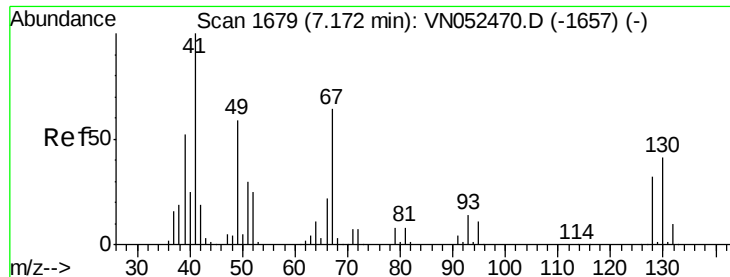
MMDadoda
12/4/2018 2:56:44 PM



#40
Benzene
Concen: 18.857 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2





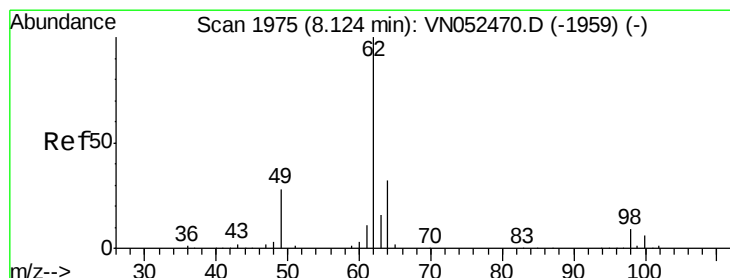
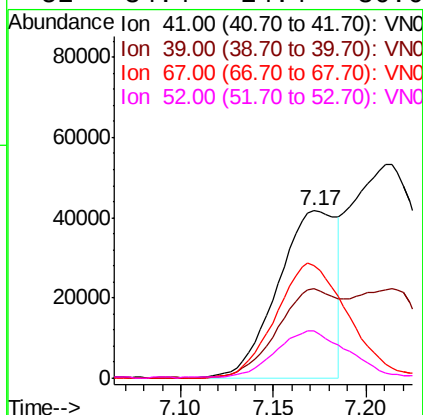
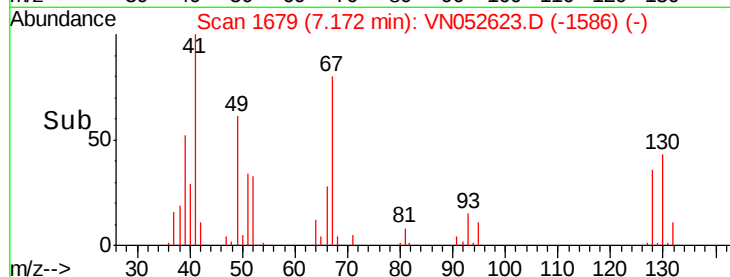
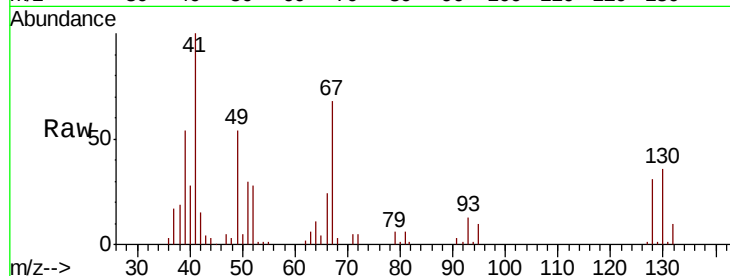
#41
Methacrylonitrile
Concen: 18.414 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.9	50.9	76.3	
67	85.2	63.6	95.4	
52	34.4	24.4	36.6	

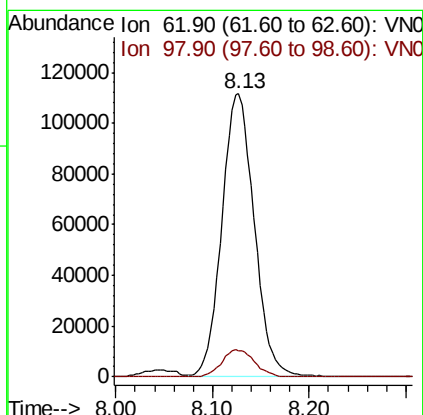
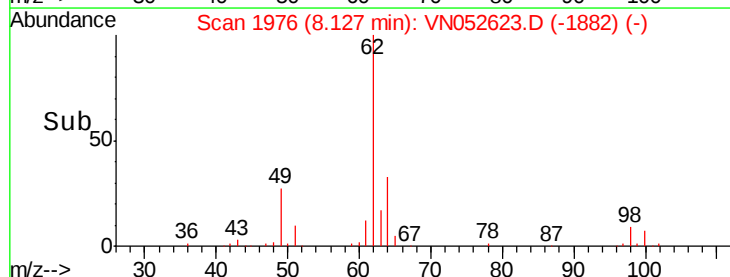
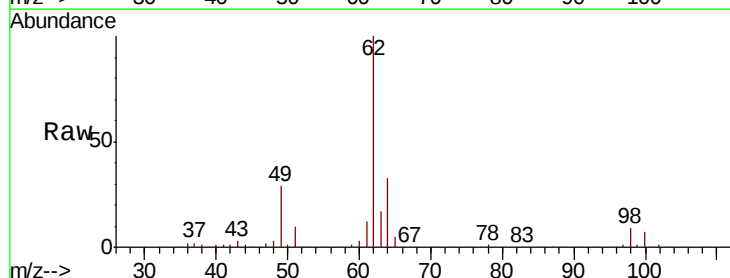
Manual Integrations
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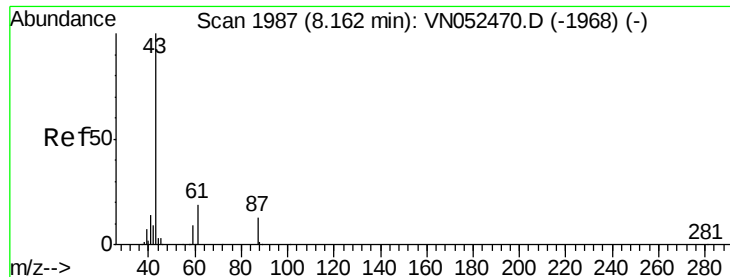
MMDadoda
12/4/2018 2:56:44 PM



#42
1,2-Dichloroethane
Concen: 19.053 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	18.6	





#43

Isopropyl Acetate

Concen: 20.284 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052623.D

Acq: 3 Dec 2018 11:21

Instrument :

MSVOA_N

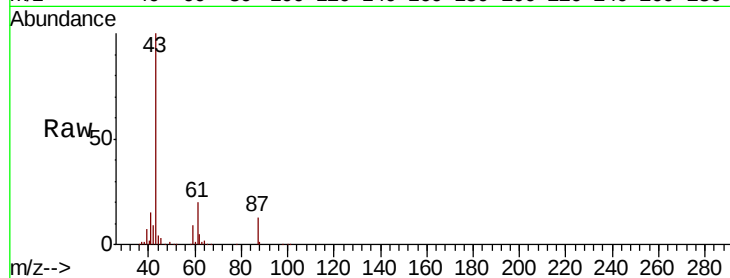
ClientSampleId :

VN1203WBS01

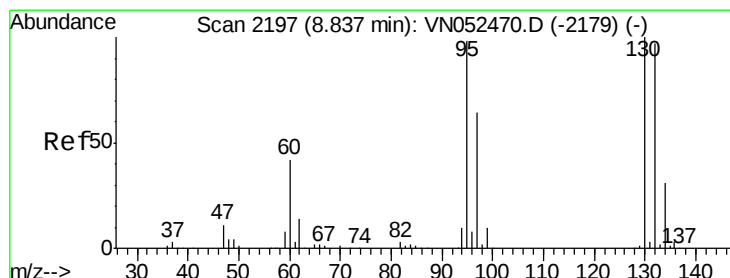
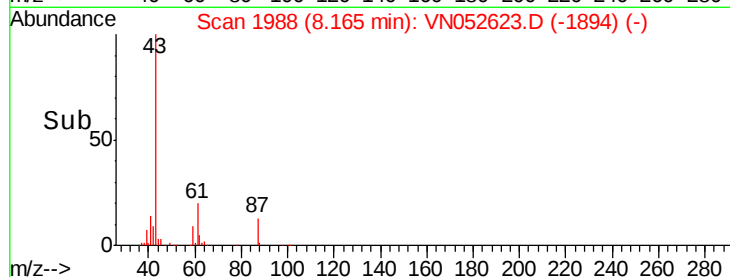
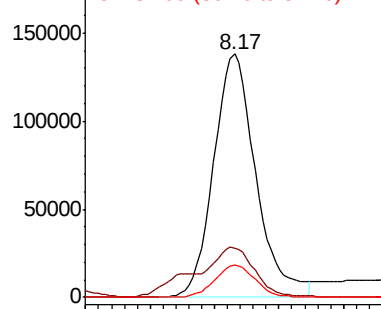
Tot Ion:	43	Resp:	314542
Ion	Ratio	Lower	Upper
43	100		
61	20.4	24.1	36.1#
87	12.6	10.6	15.8

Manual Integrations
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MMDadoda
12/4/2018 2:56:44 PM



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1968) (-)



#44

Trichloroethene

Concen: 18.968 ug/l

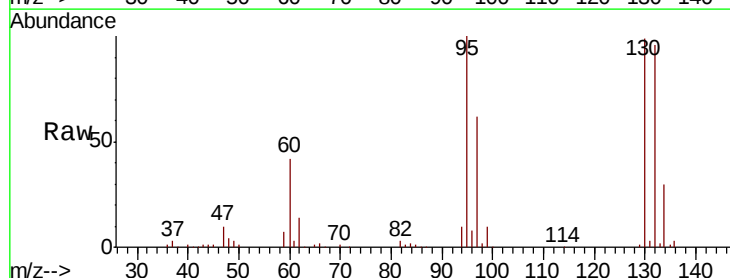
RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

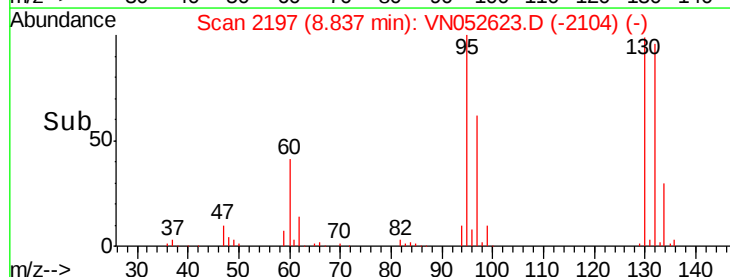
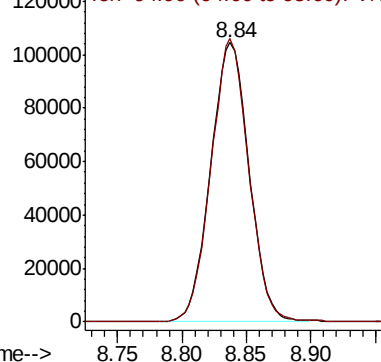
Lab File: VN052623.D

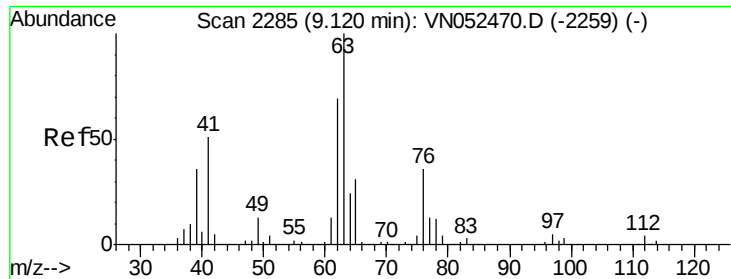
Acq: 3 Dec 2018 11:21

Tgt Ion:	130	Resp:	217396
Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	195.6



Abundance Ion 129.80 (129.50 to 130.50): VN052470.D (-2179) (-)





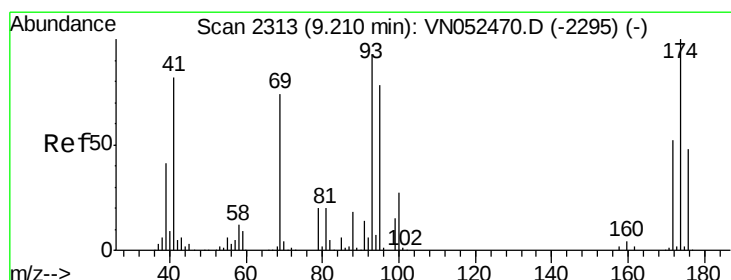
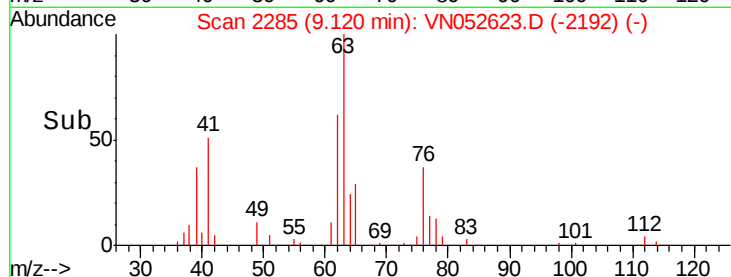
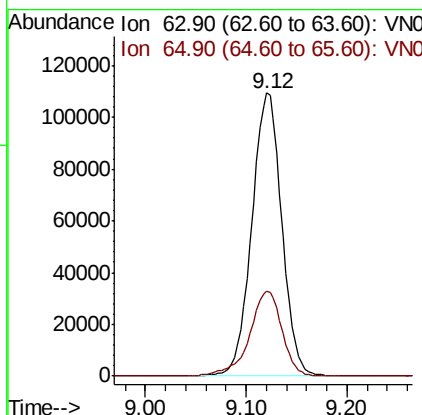
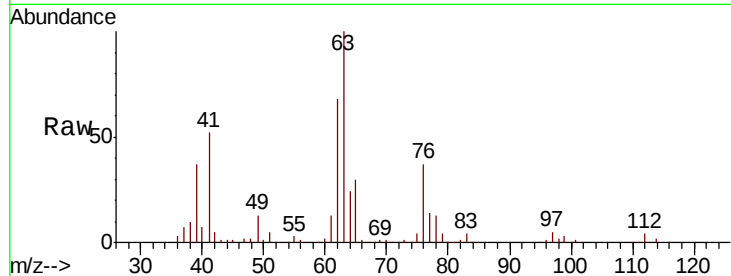
#45
 1,2-Dichloropropane
 Concen: 18.899 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052623.D
 Acq: 3 Dec 2018 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS01

Tot Ion: 63 Resp: 224830
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.0 37.6

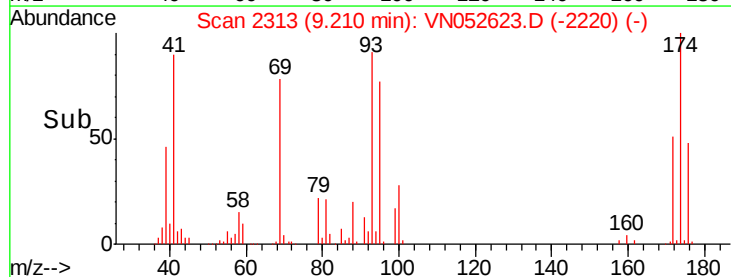
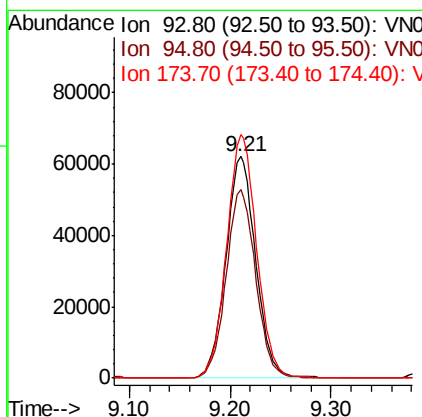
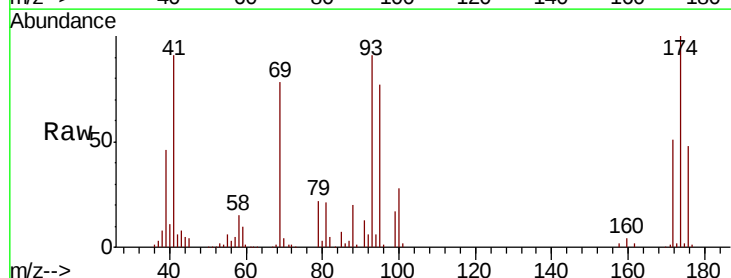
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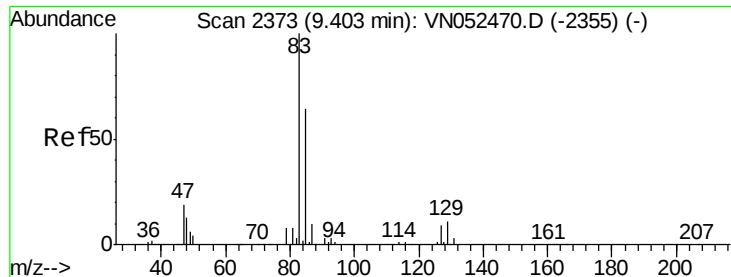
MMDadoda
 12/4/2018 2:56:44 PM



#46
 Dibromomethane
 Concen: 19.444 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052623.D
 Acq: 3 Dec 2018 11:21

Tgt Ion: 93 Resp: 128052
 Ion Ratio Lower Upper
 93 100
 95 84.4 67.1 100.7
 174 110.2 85.8 128.8





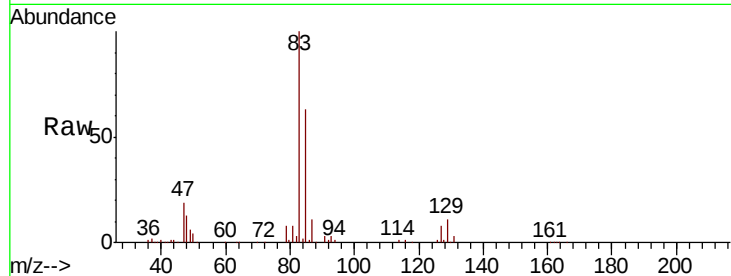
#47
Bromodichloromethane
Concen: 19.153 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS01

Tot Ion	83	Resp	274238
Ion Ratio	100	Lower	Upper
83	100		
85	63.4	51.3	76.9
127	8.3	6.9	10.3

Manual Integrations
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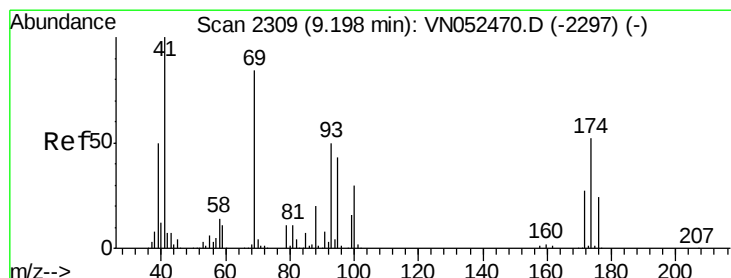
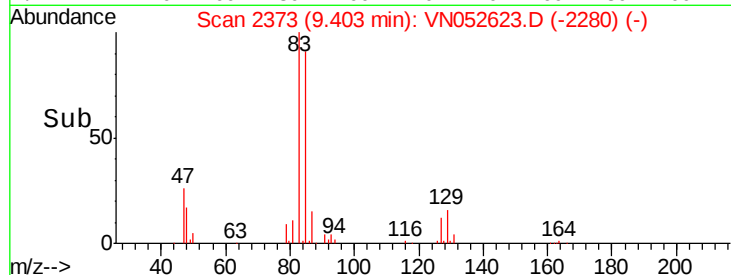
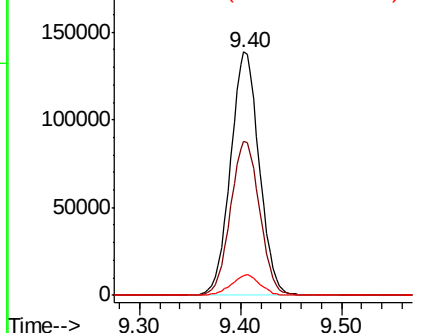
MMDadoda
12/4/2018 2:56:44 PM



Abundance Ion 82.90 (82.60 to 83.60): VN052623.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052623.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052623.D (-2280) (-)



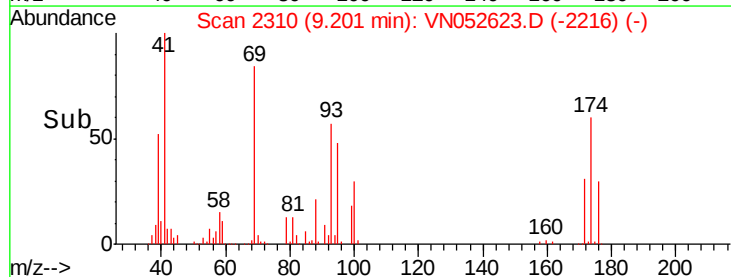
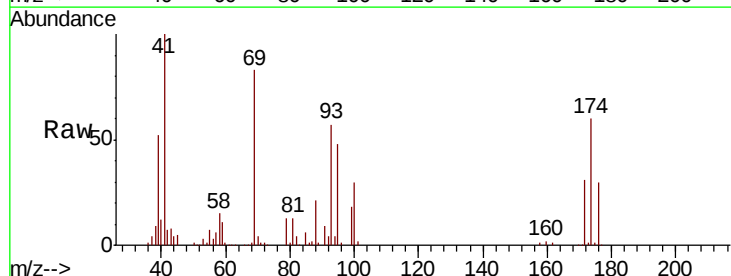
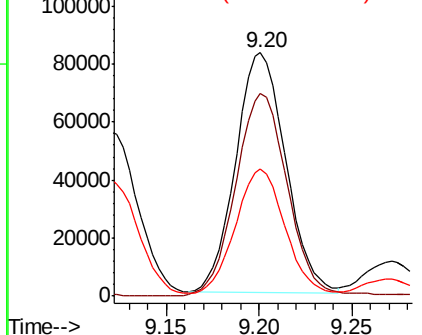
#48
Methyl methacrylate
Concen: 19.100 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Tgt Ion	41	Resp	154440
Ion Ratio	100	Lower	Upper
41	100		
69	88.1	70.0	105.0
39	53.3	42.6	64.0

Abundance Ion 41.00 (40.70 to 41.70): VN052623.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052623.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052623.D (-2216) (-)





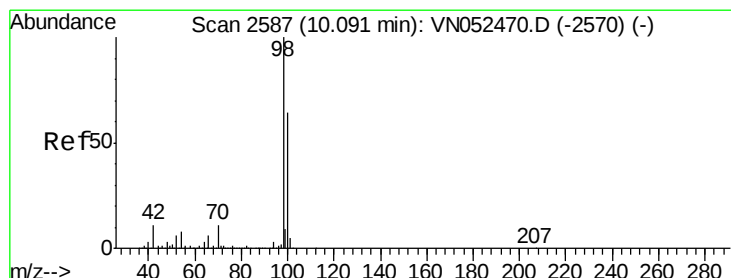
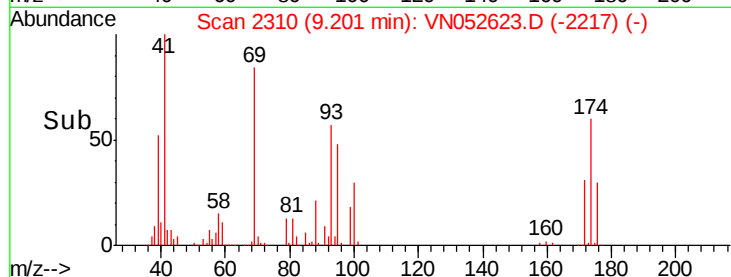
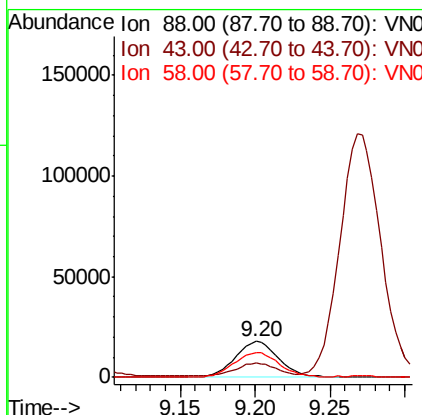
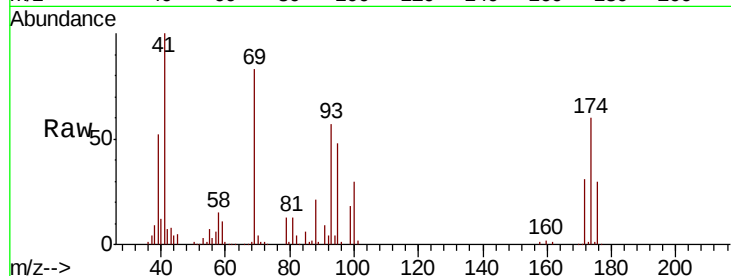
#49
1,4-Dioxane
Concen: 425.822 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS01

Tot Ion	88	Resp	35733
Ion	Ratio	Lower	Upper
88	100		
43	35.3	26.4	39.6
58	73.0	55.4	83.0

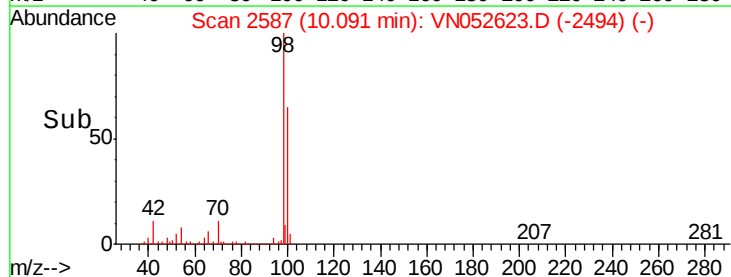
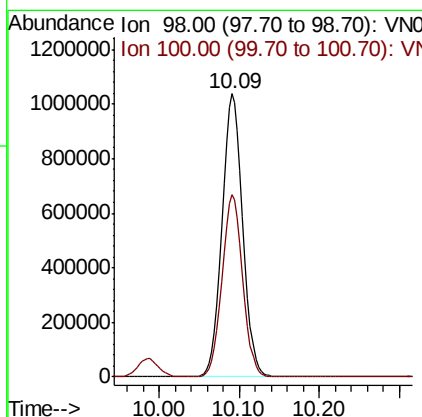
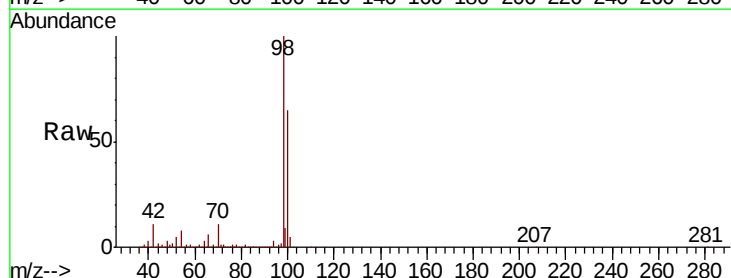
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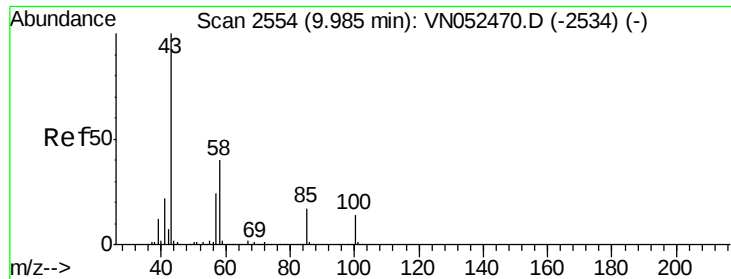
MMDadoda
12/4/2018 2:56:44 PM



#50
Toluene-d8
Concen: 425.822 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Tgt Ion	98	Resp	1847641
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.3	76.9





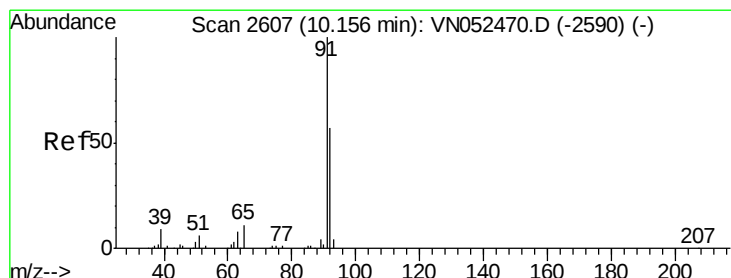
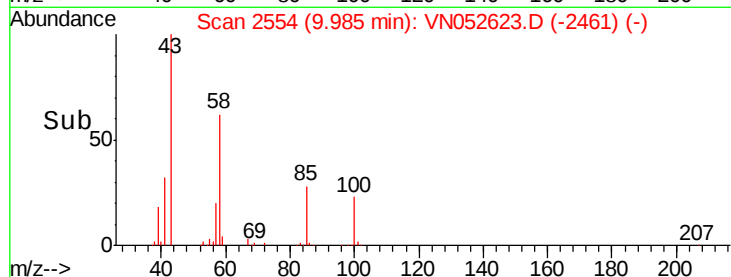
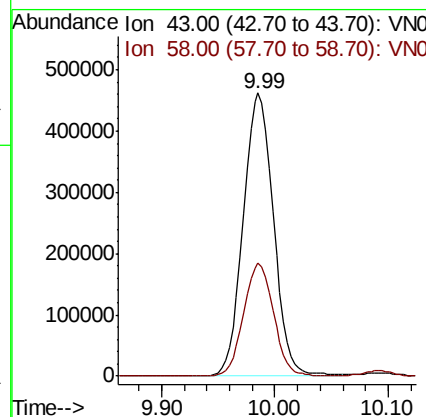
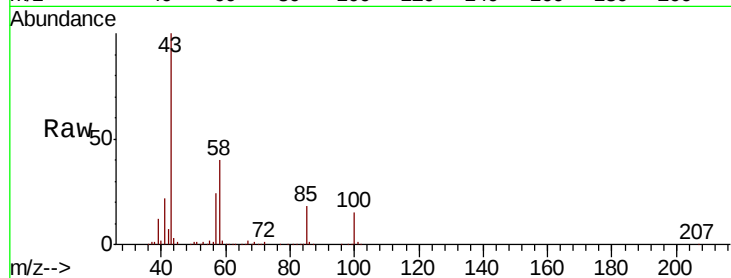
#51
 4-Methyl-2-Pentanone
 Concen: 98.701 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN052623.D
 Acq: 3 Dec 2018 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS01

Tot Ion	43	Resp	858738
Ion Ratio	100	Lower	Upper
43	100		
58	39.8	31.5	47.3

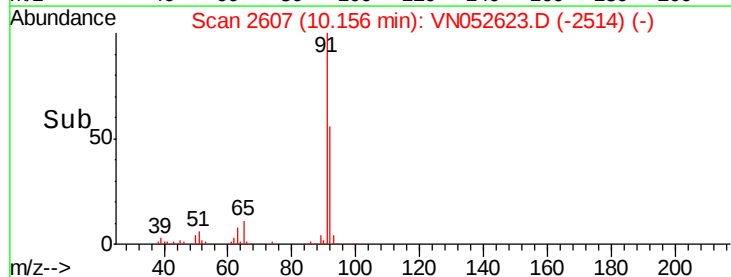
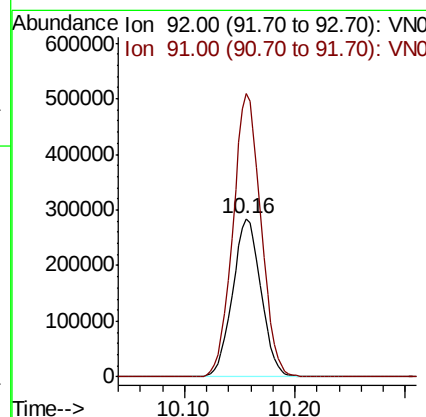
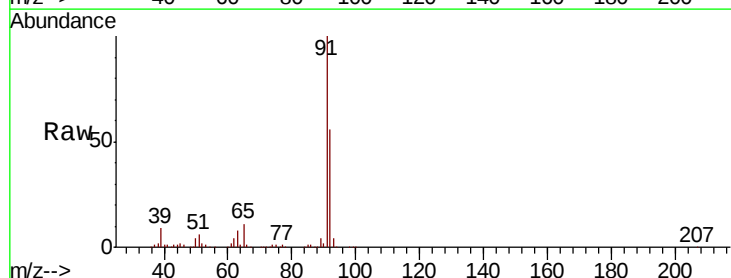
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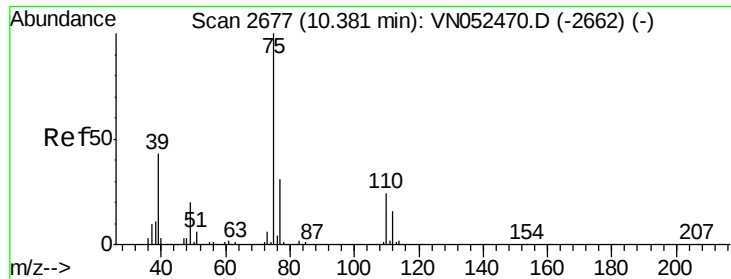
MMDadoda
 12/4/2018 2:56:44 PM



#52
 Toluene
 Concen: 19.104 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN052623.D
 Acq: 3 Dec 2018 11:21

Tgt Ion	92	Resp	507883
Ion Ratio	100	Lower	Upper
92	100		
91	176.8	141.0	211.4





#53

t-1,3-Dichloropropene

Concen: 19.102 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052623.D

Acq: 3 Dec 2018 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBS01

Tot Ion: 75 Resp: 263124

Ion Ratio Lower Upper

75 100

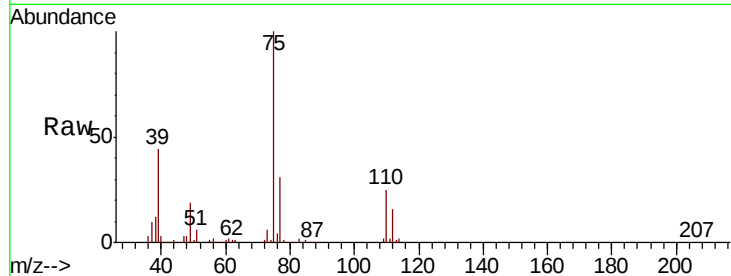
77 30.5 25.0 37.4

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

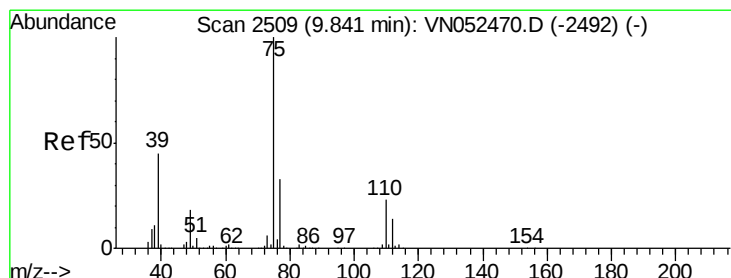
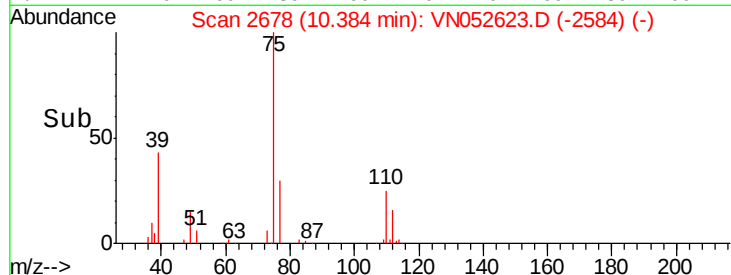
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.297 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052623.D

Acq: 3 Dec 2018 11:21

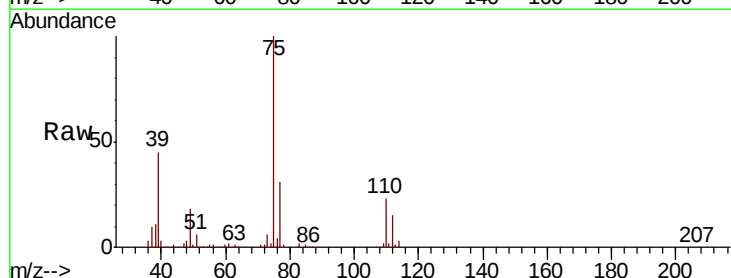
Tgt Ion: 75 Resp: 318529

Ion Ratio Lower Upper

75 100

77 31.2 26.2 39.2

39 45.4 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

200000

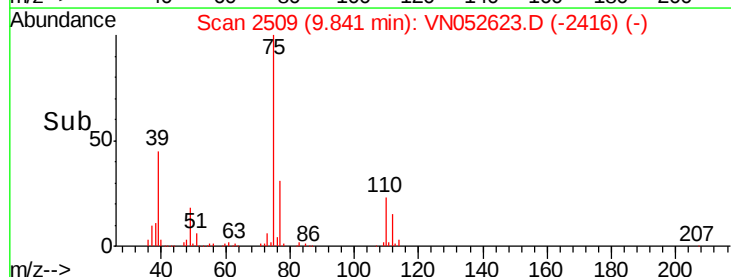
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100000

50000

0

Time-->





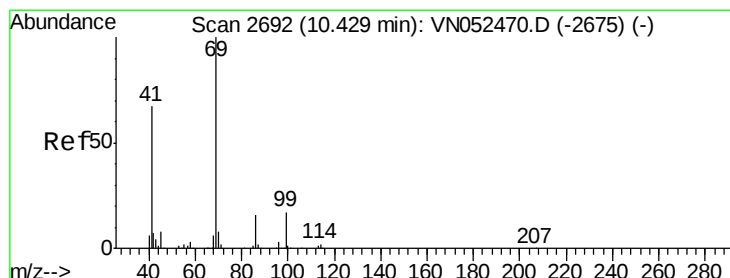
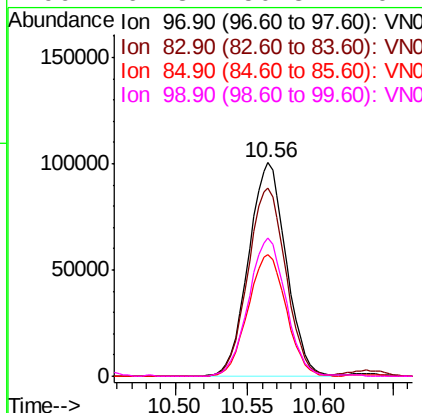
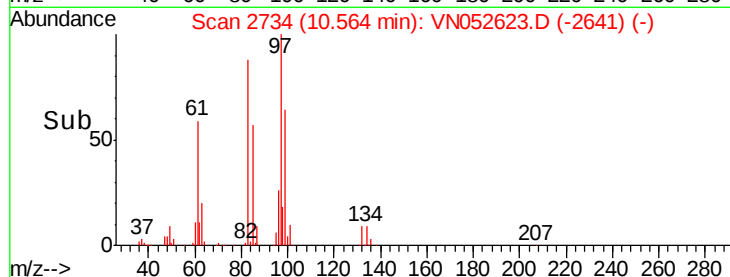
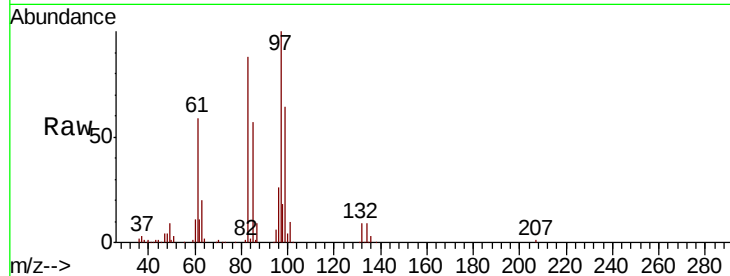
#55
 1,1,2-Trichloroethane
 Concen: 19.472 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052623.D
 Acq: 3 Dec 2018 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS01

Tot Ion:	97	Resp:	182089
Ion	Ratio	Lower	Upper
97	100		
83	88.0	70.7	106.1
85	57.2	46.1	69.1
99	64.3	50.8	76.2

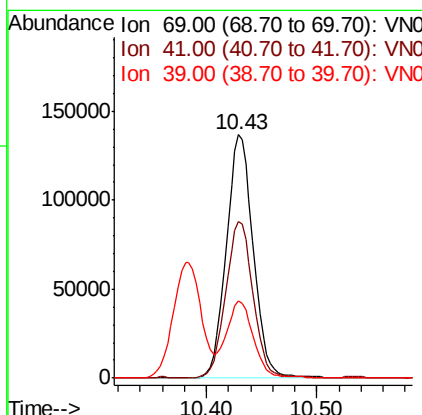
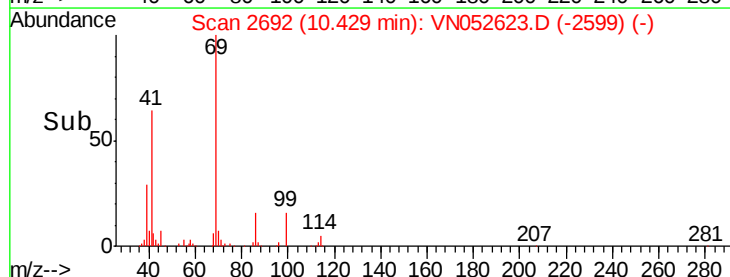
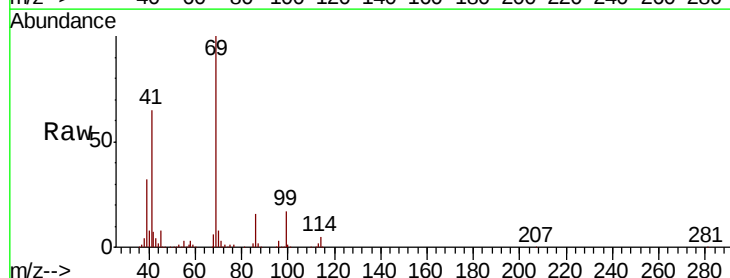
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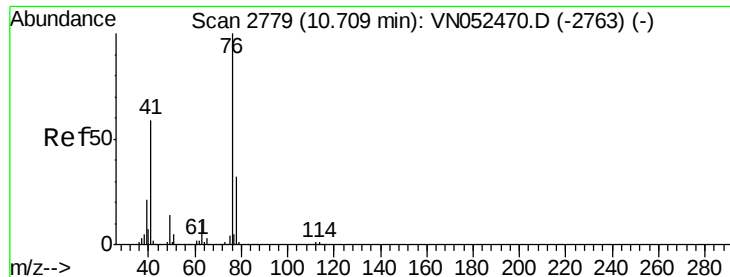
MMDadoda
 12/4/2018 2:56:44 PM



#56
 Ethyl methacrylate
 Concen: 19.591 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052623.D
 Acq: 3 Dec 2018 11:21

Tgt Ion:	69	Resp:	231913
Ion	Ratio	Lower	Upper
69	100		
41	64.5	52.6	79.0
39	30.2	25.9	38.9





#57

1,3-Dichloropropane

Concen: 18.959 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052623.D

Acq: 3 Dec 2018 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBS01

Tot Ion: 76 Resp: 313043

Ion Ratio Lower Upper

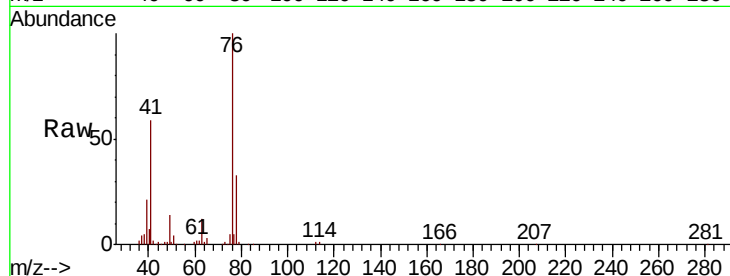
76 100

78 32.5 25.6 38.4

Manual Integrations
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12/4/2018 2:56:44 PM



Abundance Ion 75.90 (75.60 to 76.60): VN052470.D (-2763) (-)

Ion 77.90 (77.60 to 78.60): VN052470.D (-2763) (-)

10.71

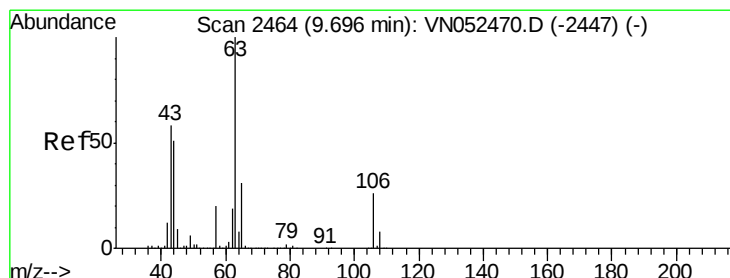
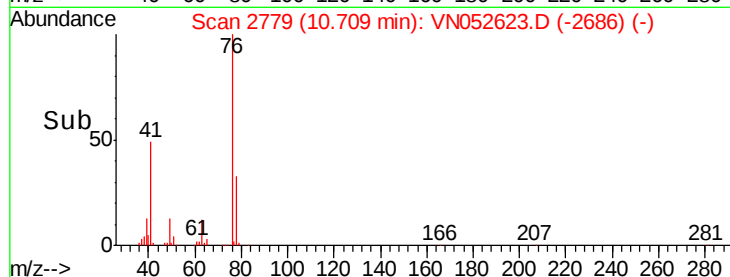
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 100.481 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052623.D

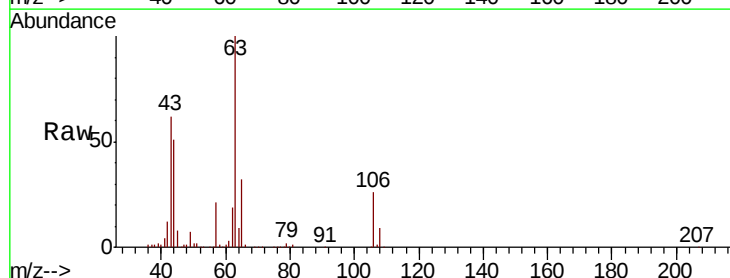
Acq: 3 Dec 2018 11:21

Tgt Ion: 63 Resp: 681827

Ion Ratio Lower Upper

63 100

106 26.2 20.6 30.8



Abundance Ion 62.90 (62.60 to 63.60): VN052470.D (-2447) (-)

Ion 105.90 (105.60 to 106.60): VN052470.D (-2447) (-)

9.70

400000

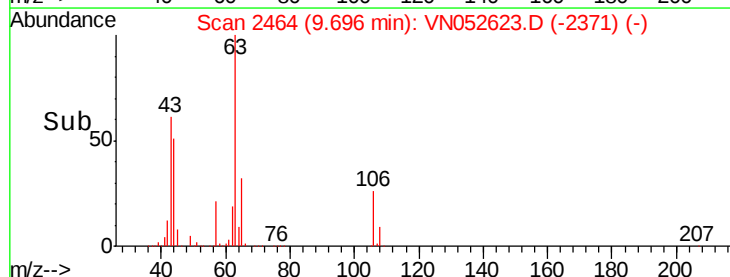
300000

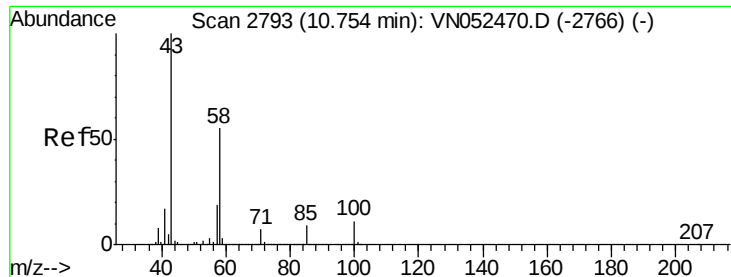
200000

100000

0

Time--> 9.60 9.70 9.80





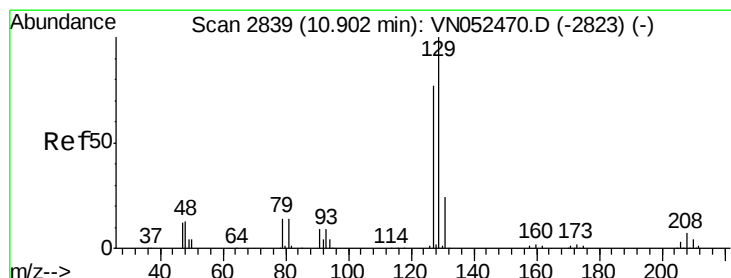
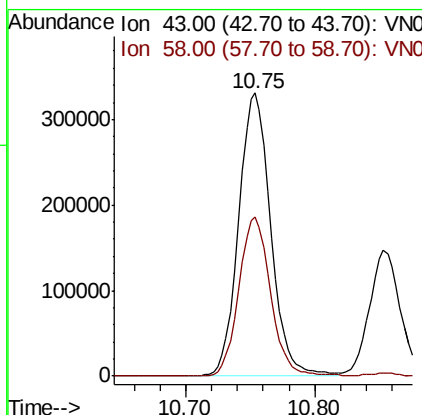
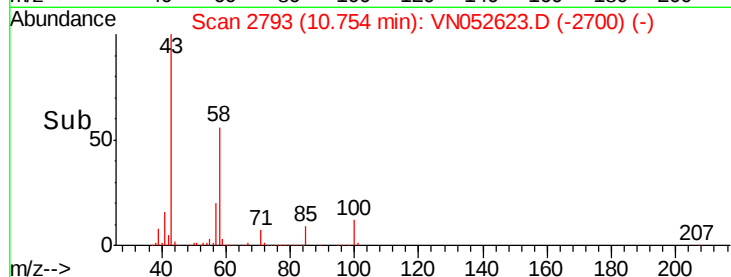
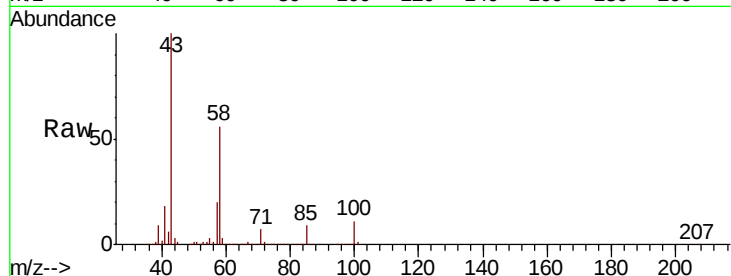
#59
2-Hexanone
Concen: 97.835 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS01

Tot Ion	43	Resp	571288
Ion Ratio	43	100	
Lower	58	55.8	27.4
Upper			82.0

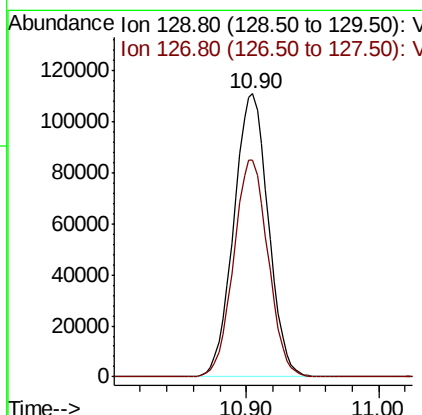
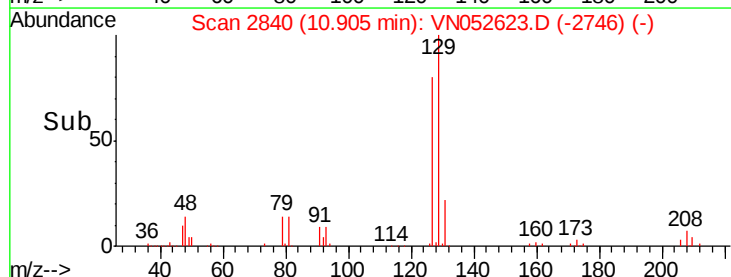
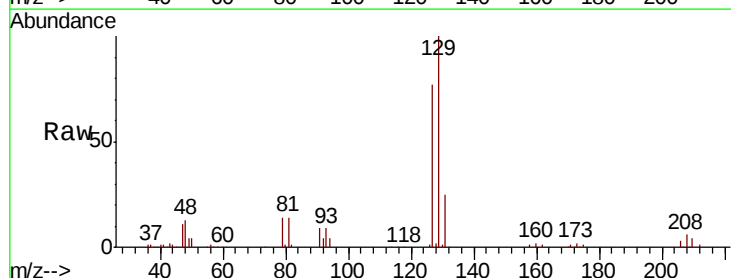
Manual Integrations
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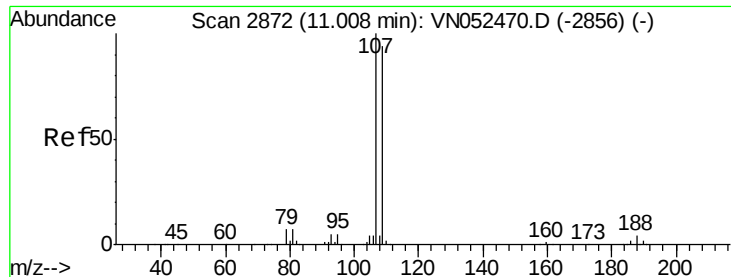
MMDadoda
12/4/2018 2:56:44 PM



#60
Dibromochloromethane
Concen: 19.768 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Tgt Ion	129	Resp	200777
Ion Ratio	129	100	
Lower	127	76.4	38.9
Upper			116.6





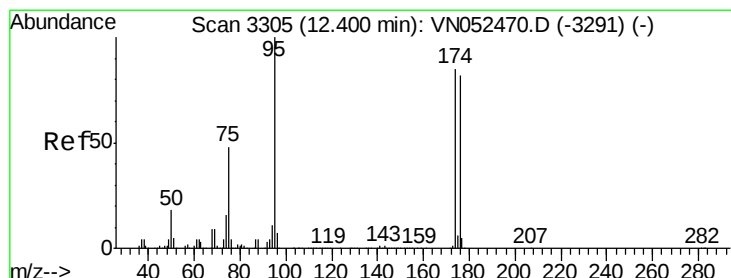
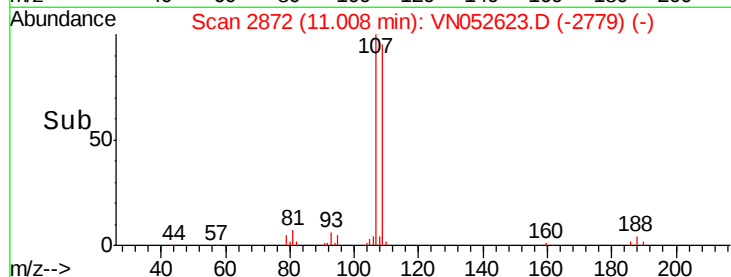
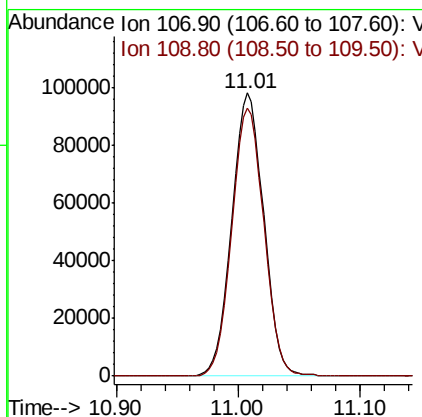
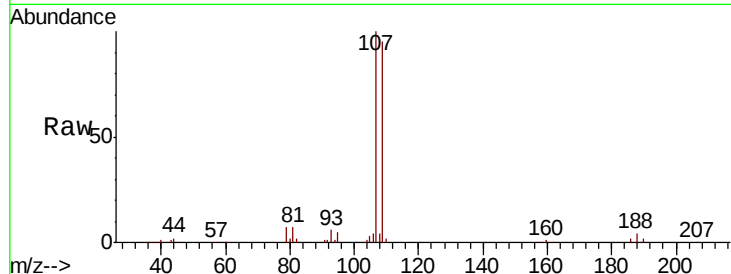
#61
 1,2-Dibromoethane
 Concen: 19.163 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN052623.D
 Acq: 3 Dec 2018 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.6	113.4

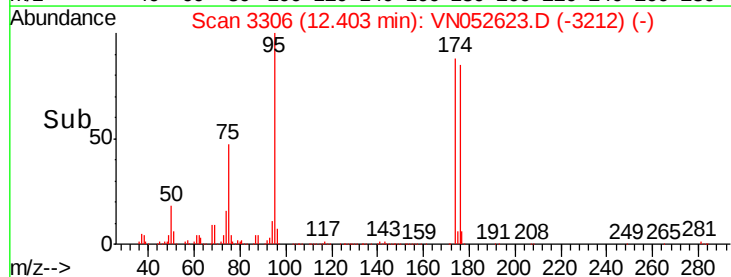
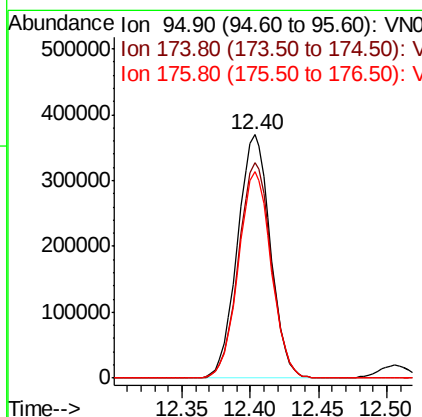
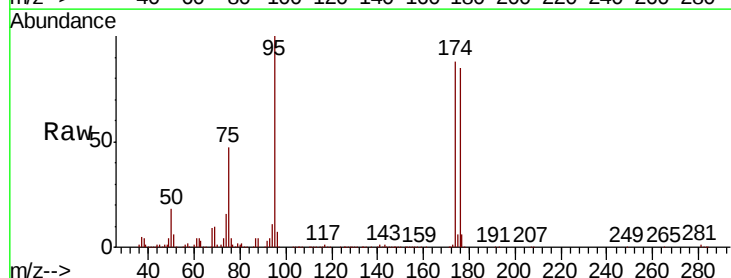
Manual Integrations
 APPROVED

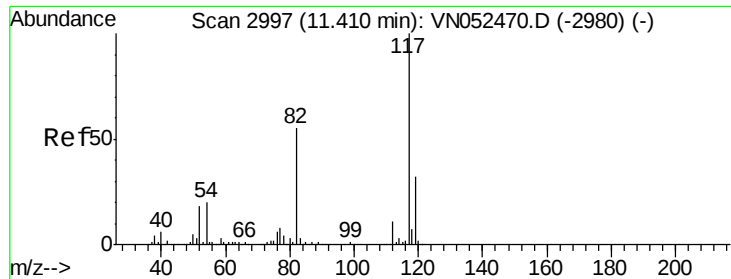
MMDadoda
 12/4/2018 2:56:44 PM



#62
 4-Bromofluorobenzene
 Concen: 19.163 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052623.D
 Acq: 3 Dec 2018 11:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.5	0.0	173.0
176	84.7	0.0	166.2





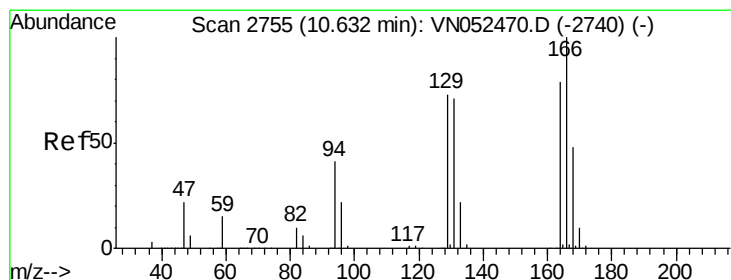
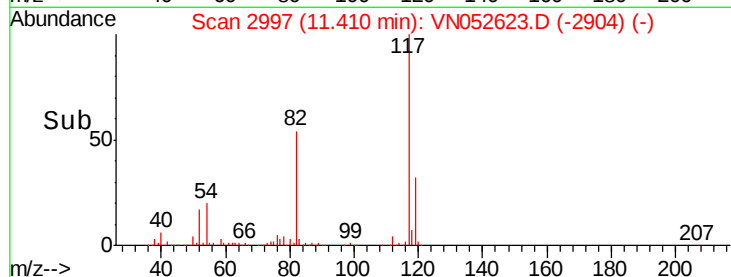
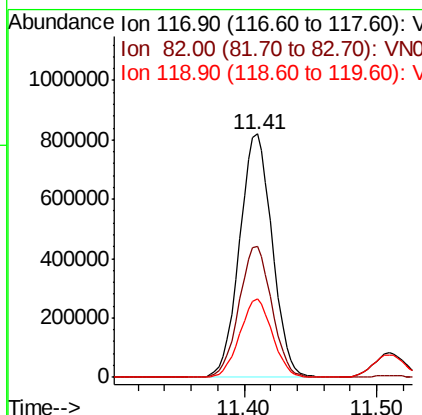
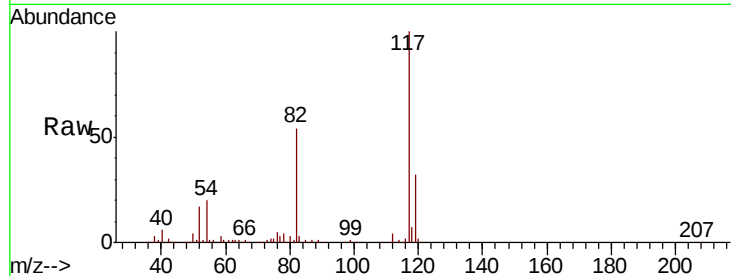
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS01

Tot Ion:117 Resp: 1400340
Ion Ratio Lower Upper
117 100
82 54.0 43.6 65.4
119 32.2 25.4 38.2

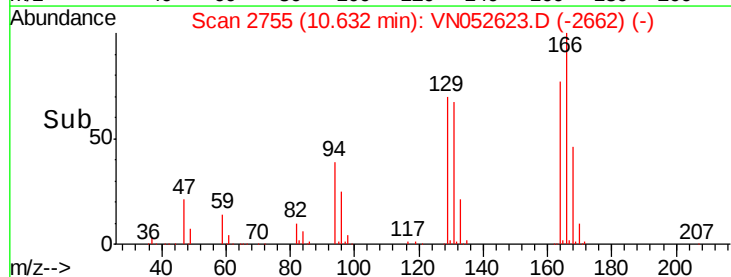
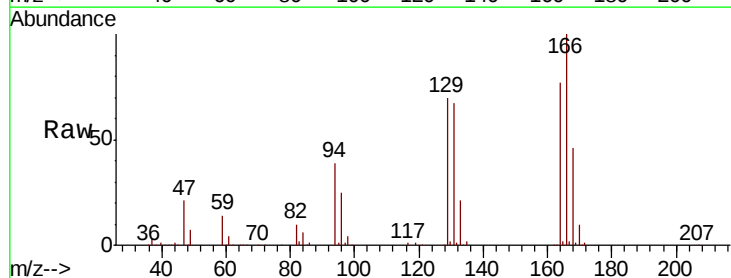
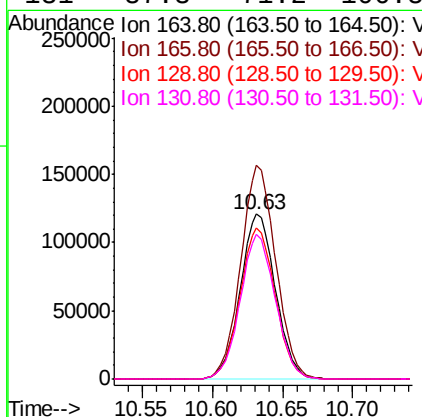
Manual Integrations
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#64
Tetrachloroethene
Concen: 19.462 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Tgt Ion:164 Resp: 211303
Ion Ratio Lower Upper
164 100
166 129.4 101.0 151.4
129 91.2 73.8 110.6
131 87.3 71.2 106.8





#65

Chlorobenzene

Concen: 19.116 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052623.D

Acq: 3 Dec 2018 11:21

Instrument :

MSVOA_N

ClientSampled :

VN1203WBS01

Tot Ion:112 Resp: 551959

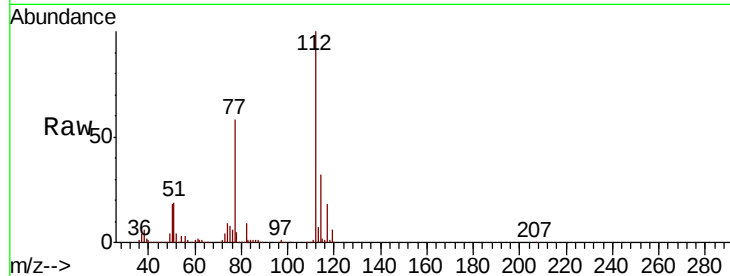
Ion Ratio Lower Upper

112 100

114 32.0 25.8 38.6

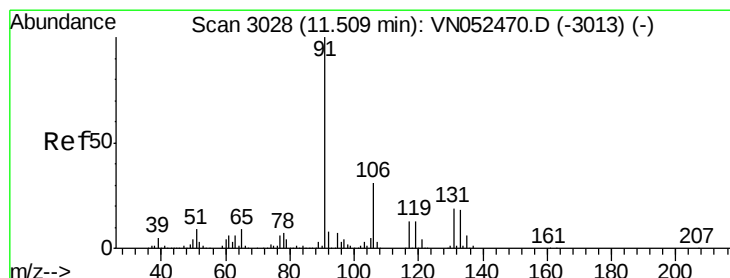
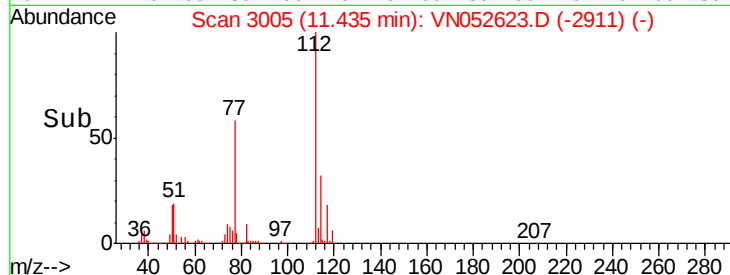
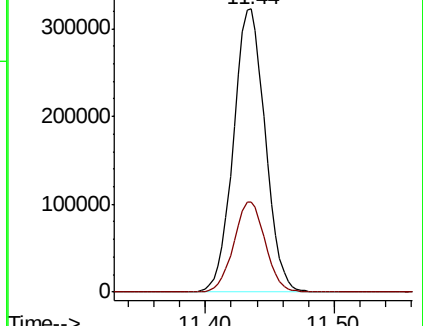
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.265 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052623.D

Acq: 3 Dec 2018 11:21

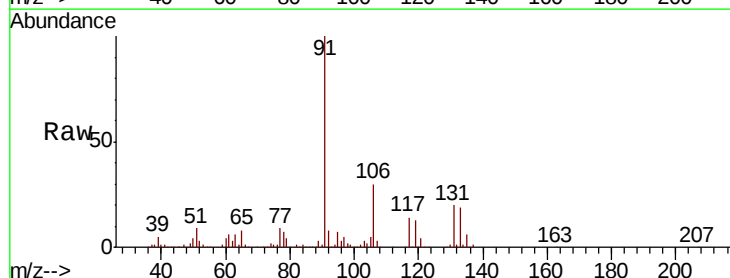
Tgt Ion:131 Resp: 193419

Ion Ratio Lower Upper

131 100

133 96.7 47.6 142.8

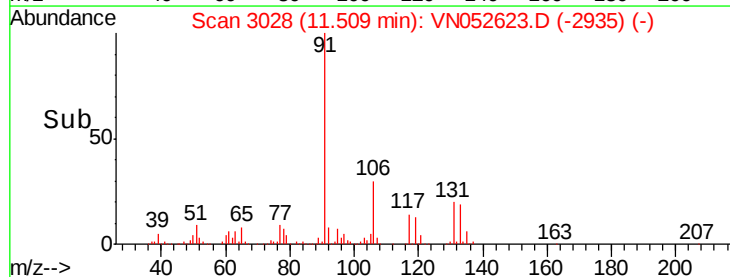
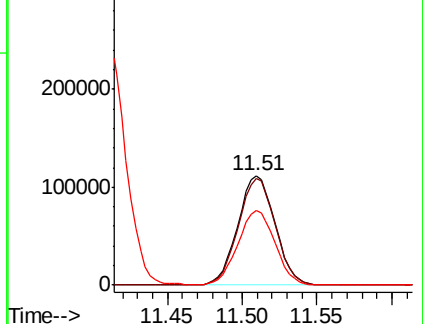
119 68.2 33.2 99.6

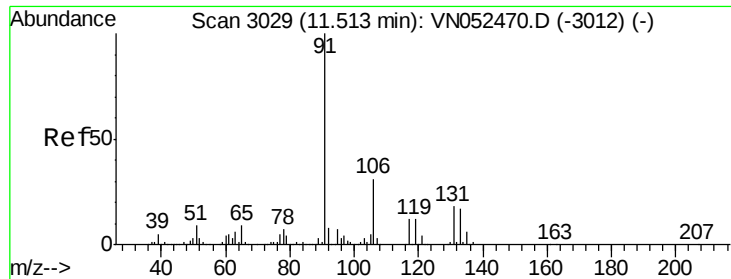


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





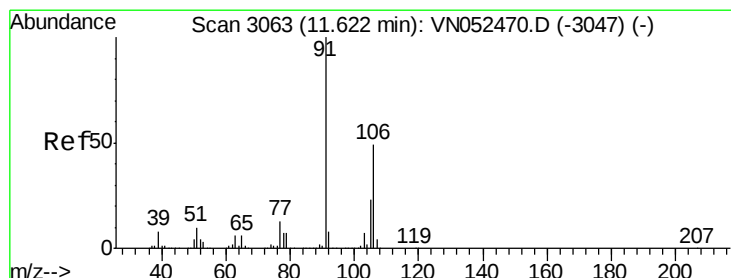
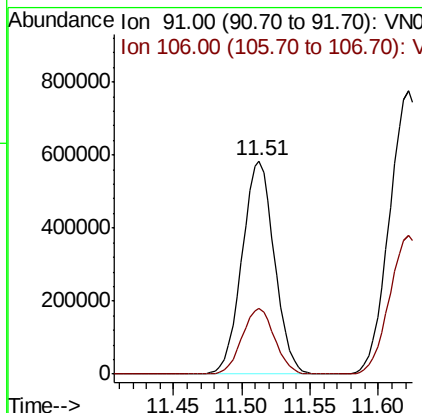
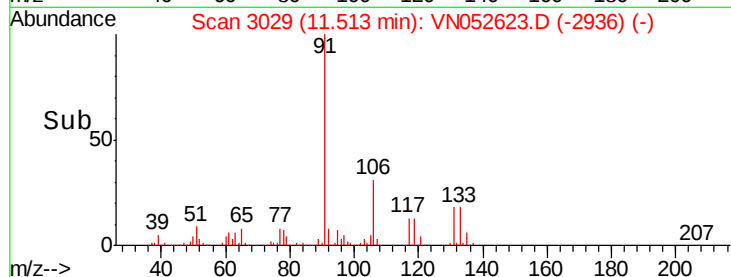
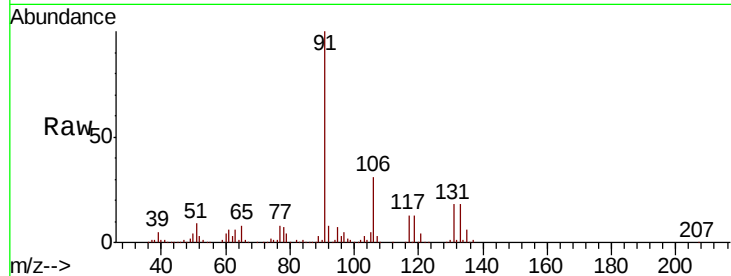
#67
Ethyl Benzene
Concen: 19.001 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS01

Tot Ion: 91 Resp: 960770
Ion Ratio Lower Upper
91 100
106 30.6 24.9 37.3

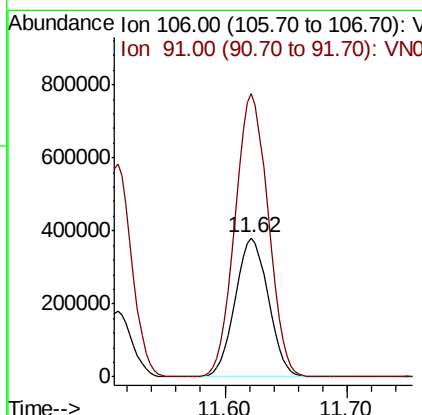
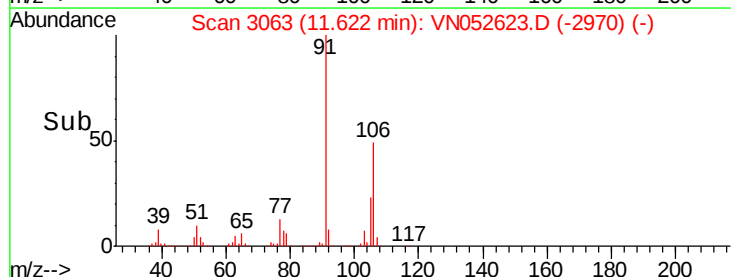
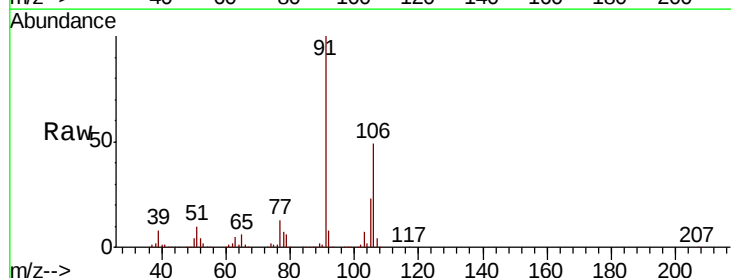
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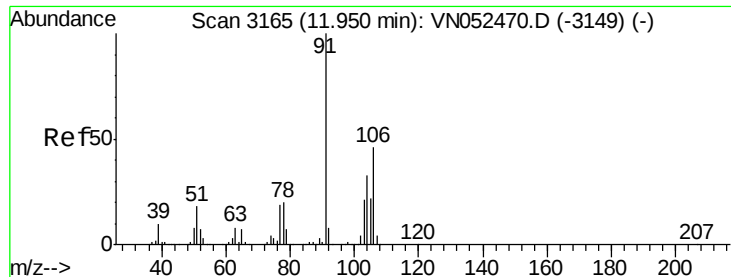
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#68
m/p-Xylenes
Concen: 38.004 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Tgt Ion: 106 Resp: 715389
Ion Ratio Lower Upper
106 100
91 204.5 163.2 244.8





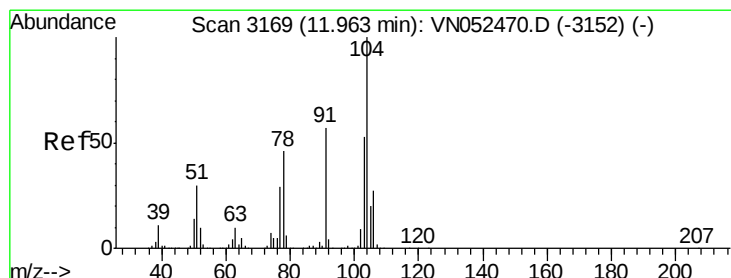
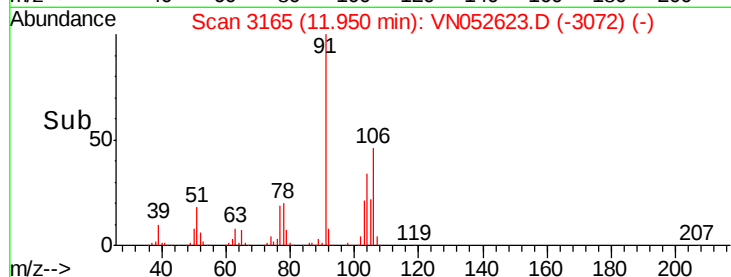
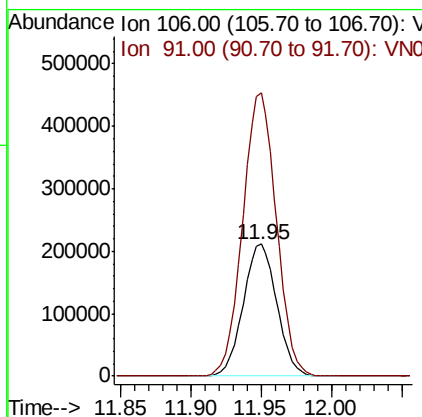
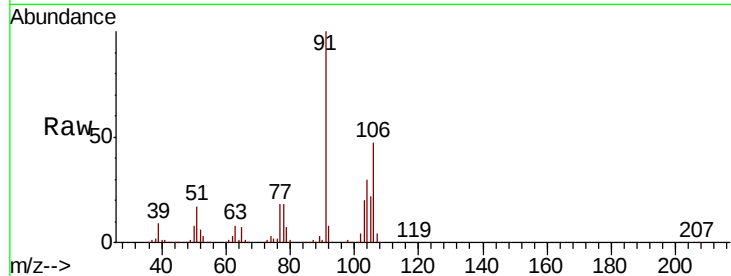
#69
o-Xylene
Concen: 19.333 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Instrument :
MSVOA_N
ClientSampled :
VN1203WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	214.6	107.7	323.1	

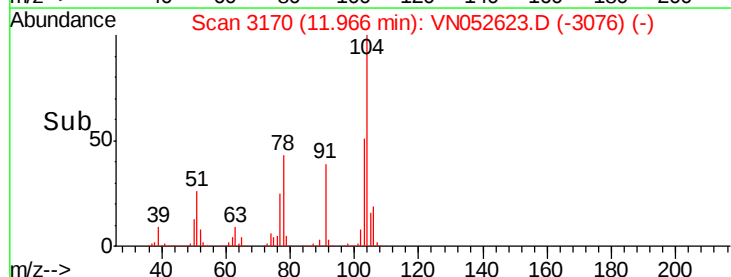
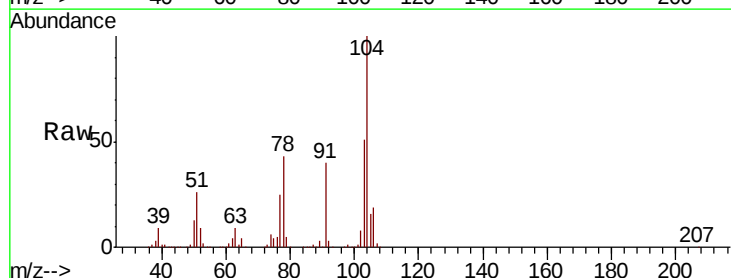
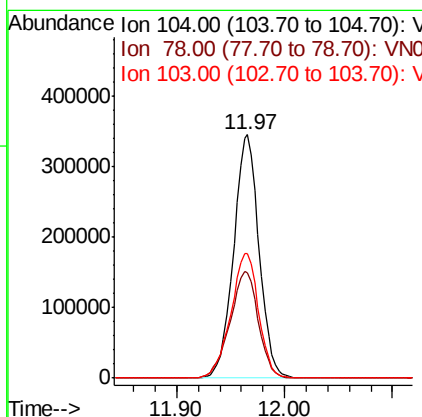
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#70
Styrene
Concen: 19.505 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.8	39.4	59.2	
103	55.8	44.9	67.3	





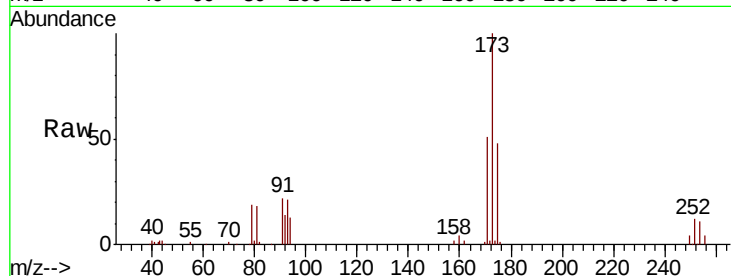
#71
Bromoform
Concen: 19.830 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.4	73.2
254	0.0	0.1	0.1#

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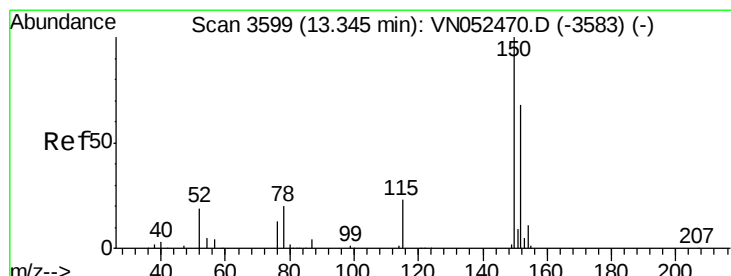
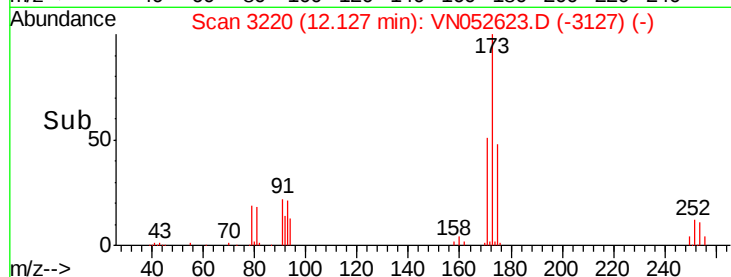
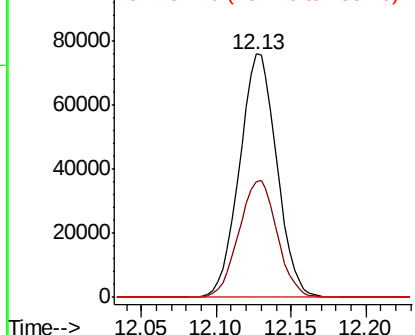


Abundance

Ion 172.70 (172.40 to 173.40): V

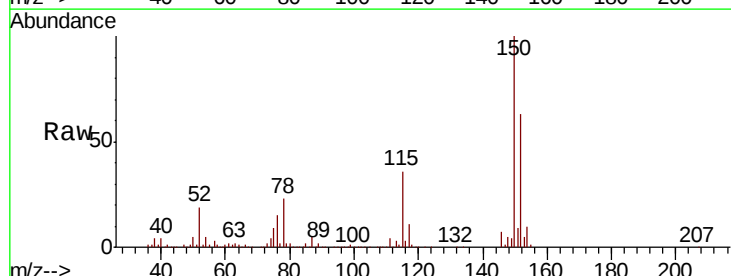
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.4	85.2
150	163.4	0.0	346.0

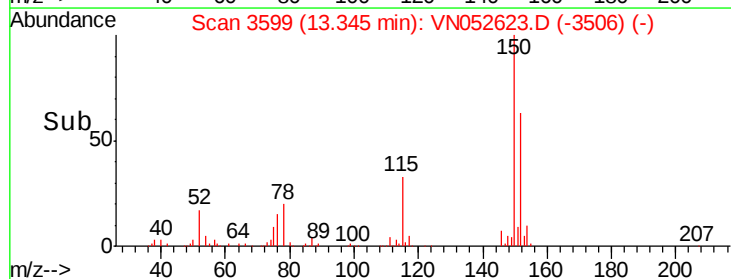
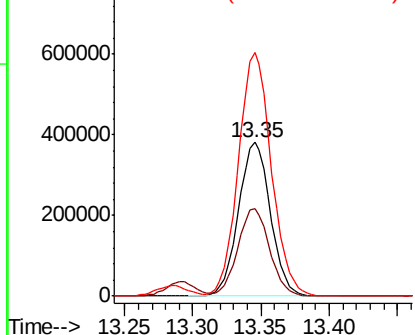


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.220 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN052623.D

Acq: 3 Dec 2018 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBS01

Tot Ion: 105 Resp: 934312

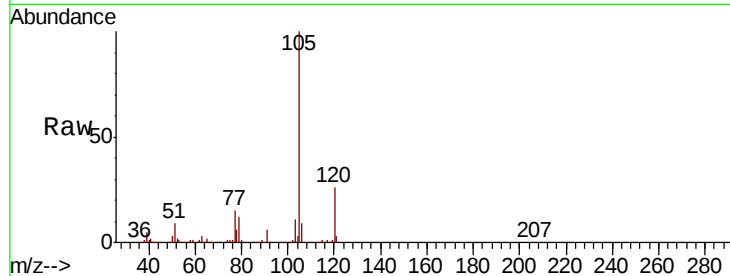
Ion Ratio Lower Upper

105 100

120 26.3 13.1 39.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

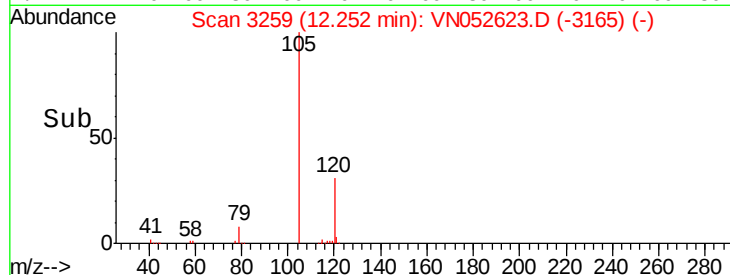
600000

400000

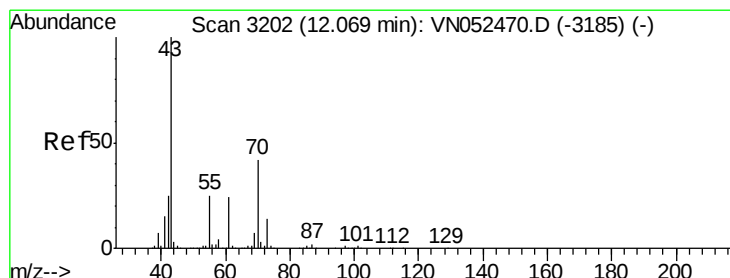
200000

0

12.15 12.20 12.25 12.30



Time-->



#74

N-ethyl acetate

Concen: 19.098 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN052623.D

Acq: 3 Dec 2018 11:21

Tgt Ion: 43 Resp: 234551

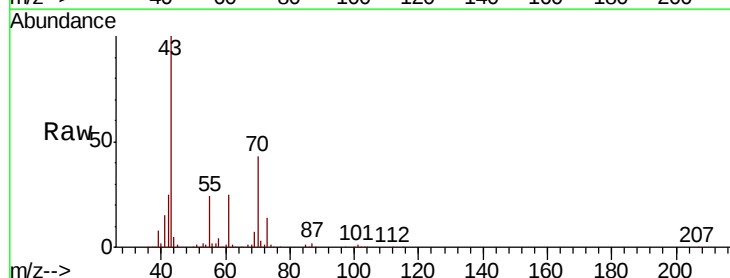
Ion Ratio Lower Upper

43 100

70 42.6 33.8 50.8

55 25.1 20.0 30.0

61 24.6 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

200000

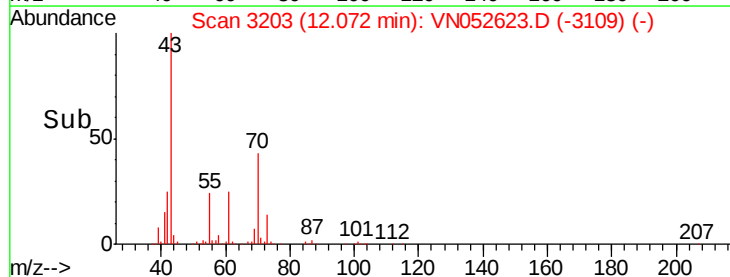
150000

100000

50000

0

12.00 12.05 12.10 12.15



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 19.748 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN052623.D

Acq: 3 Dec 2018 11:21

Instrument :

MSVOA_N

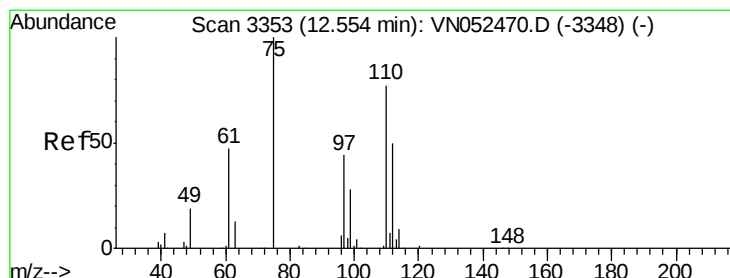
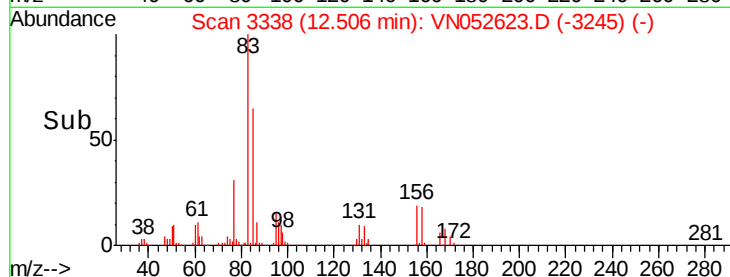
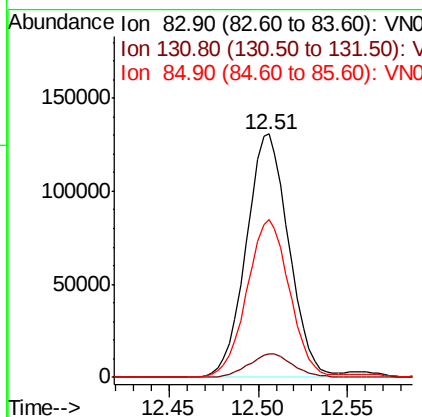
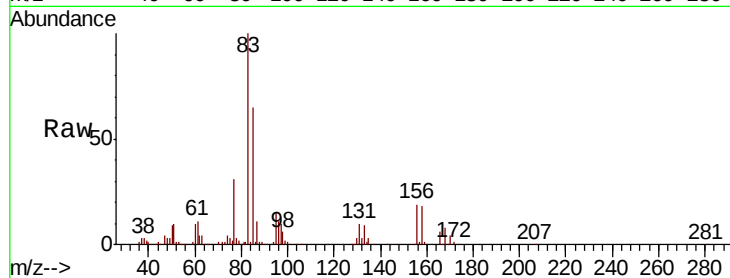
ClientSampleId :

VN1203WBS01

Tot Ion:	83	Resp:	218374
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	15.0
85	64.9	31.9	95.9

Manual Integrations
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12/4/2018 2:56:44 PM



#76

1,2,3-Trichloropropane

Concen: 19.503 ug/l m

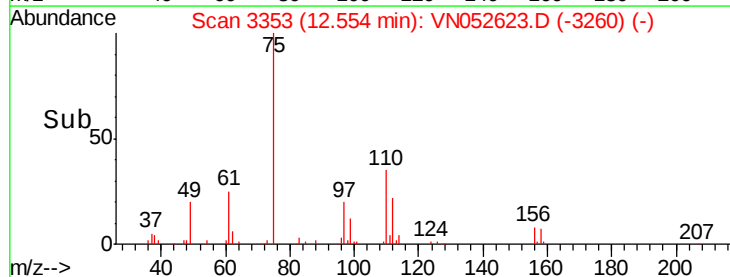
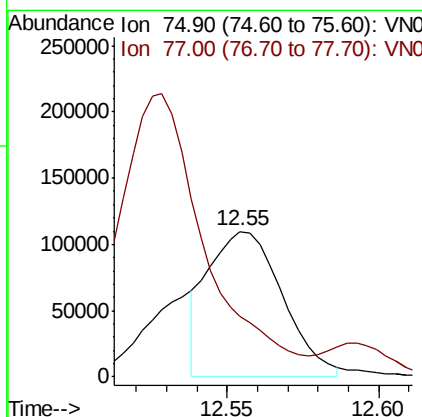
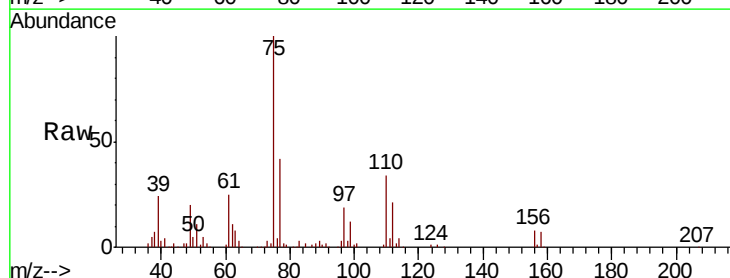
RT: 12.55 min Scan# 3353

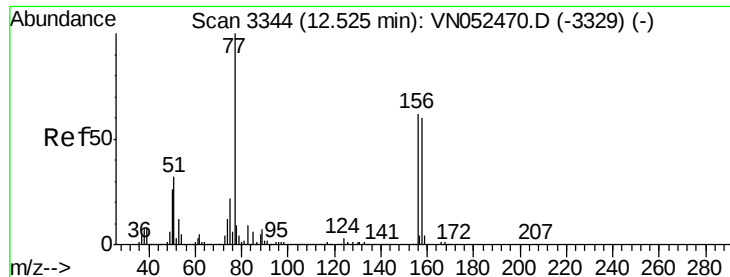
Delta R.T. -0.00 min

Lab File: VN052623.D

Acq: 3 Dec 2018 11:21

Tgt Ion:	75	Resp:	186346
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.487 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN052623.D

Acq: 3 Dec 2018 11:21

Instrument :

MSVOA_N

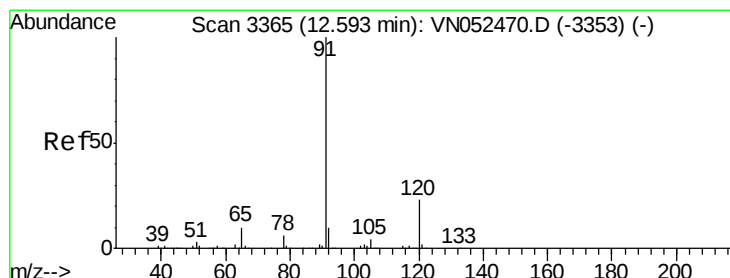
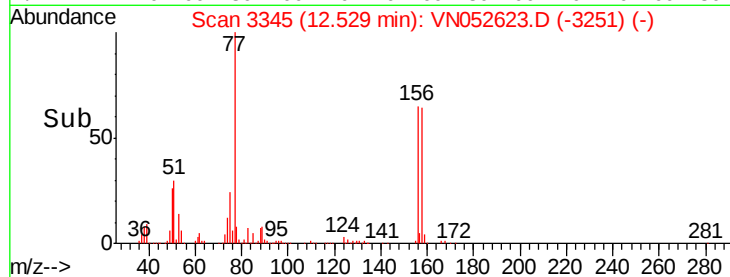
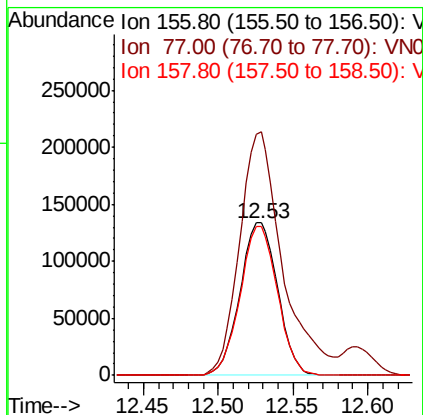
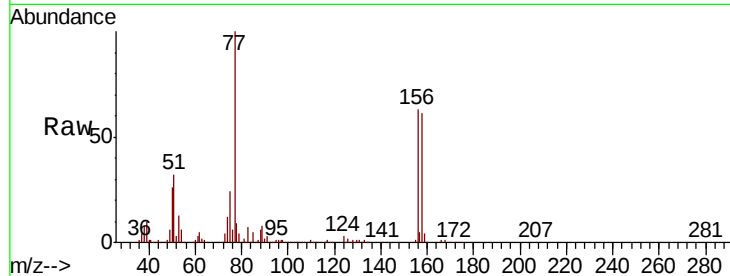
ClientSampleId :

VN1203WBS01

Tot Ion:	156	Resp:	234143
Ion Ratio	Lower	Upper	
156	100		
77	181.9	93.5	280.4
158	96.8	48.3	144.9

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#78

n-propylbenzene

Concen: 19.054 ug/l

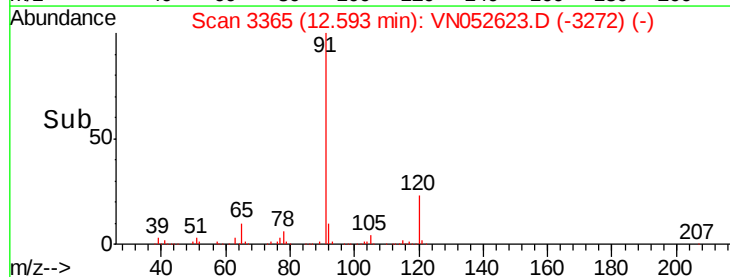
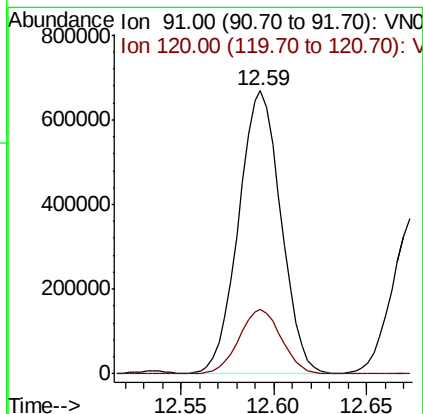
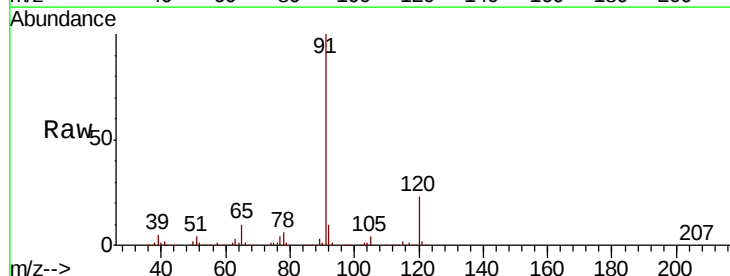
RT: 12.59 min Scan# 3365

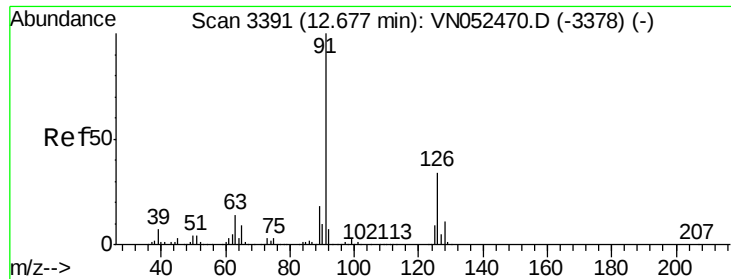
Delta R.T. -0.00 min

Lab File: VN052623.D

Acq: 3 Dec 2018 11:21

Tgt Ion:	91	Resp:	1052272
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.3	33.9





#79

2-Chlorotoluene

Concen: 19.066 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052623.D

Acq: 3 Dec 2018 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBS01

Tot Ion: 91 Resp: 627009

Ion Ratio Lower Upper

91 100

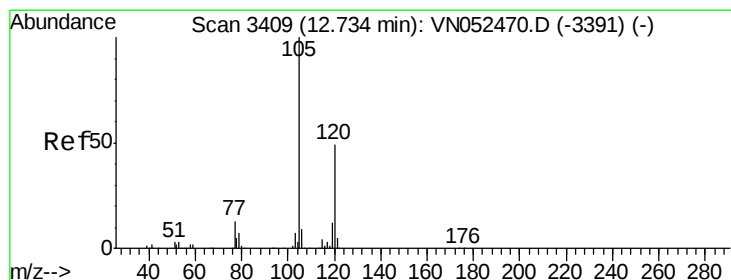
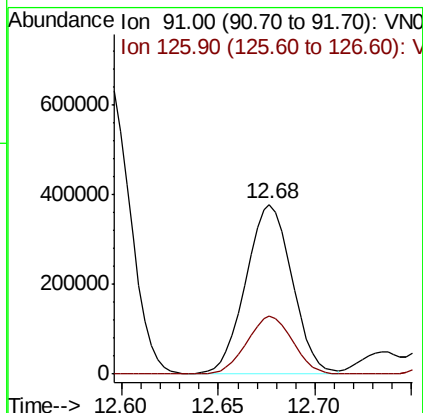
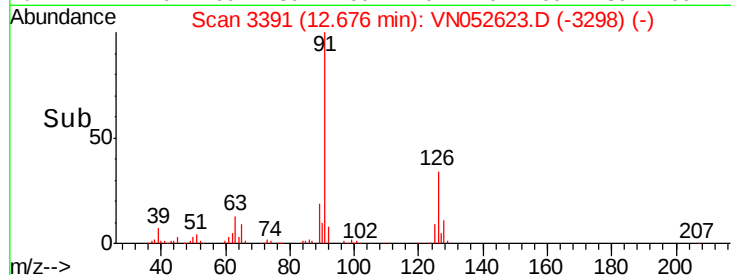
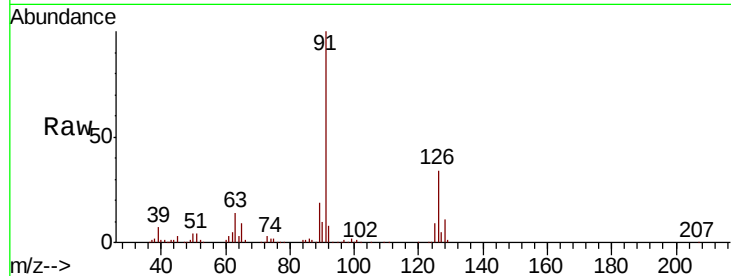
126 34.4 17.2 51.6

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#80

1,3,5-Trimethylbenzene

Concen: 19.502 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052623.D

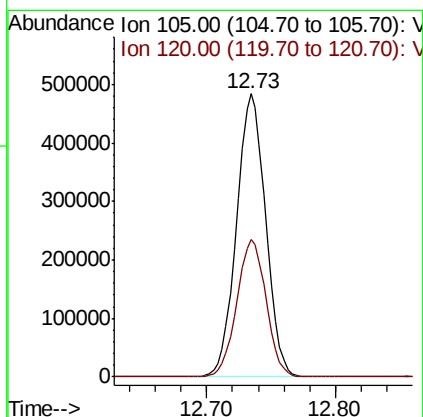
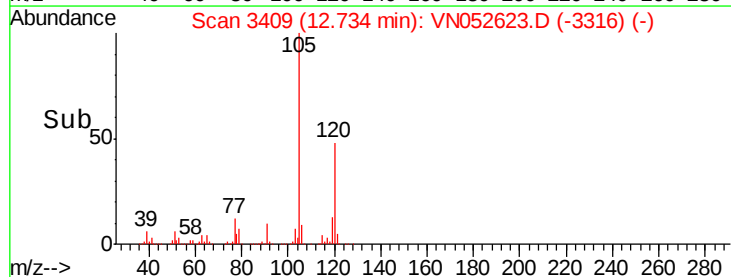
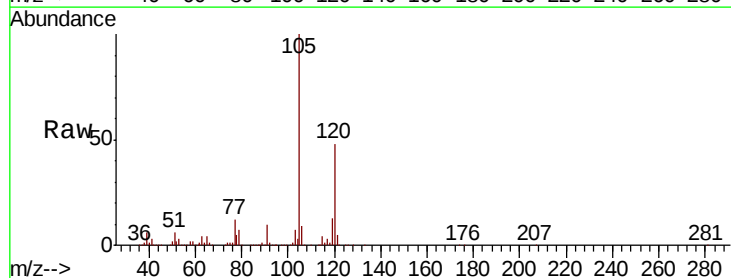
Acq: 3 Dec 2018 11:21

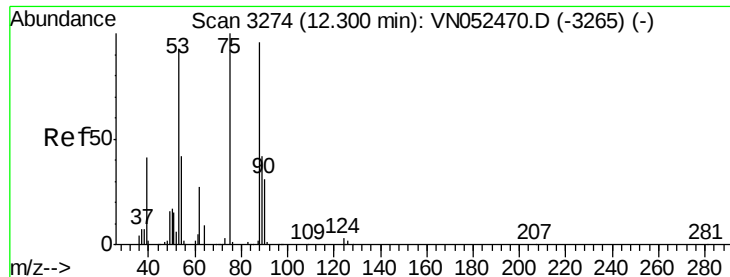
Tgt Ion: 105 Resp: 756070

Ion Ratio Lower Upper

105 100

120 48.8 24.3 73.0





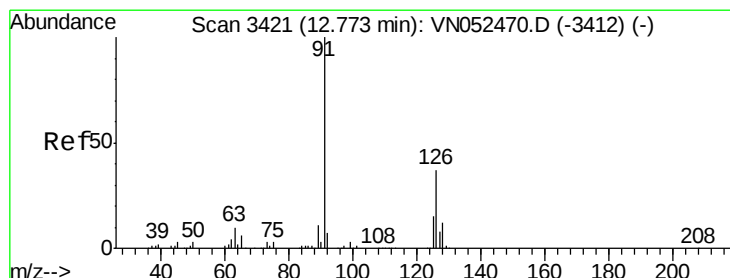
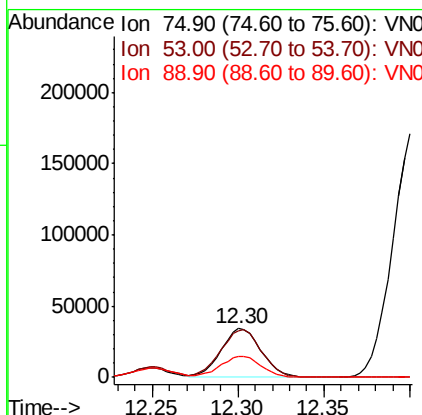
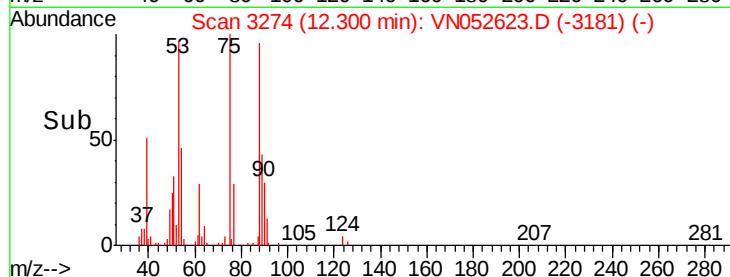
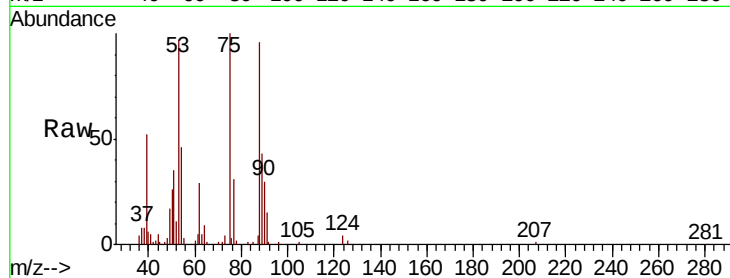
#81
trans-1,4-Dichloro-2-butene
Concen: 19.667 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.0	77.4	116.0
89	43.6	35.4	53.2

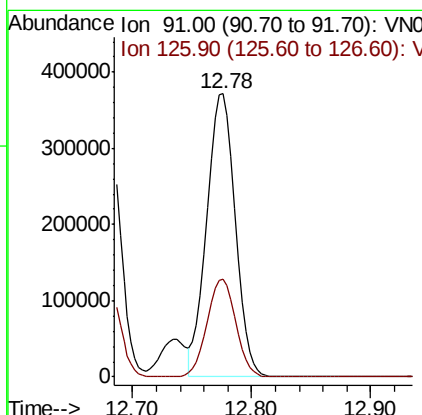
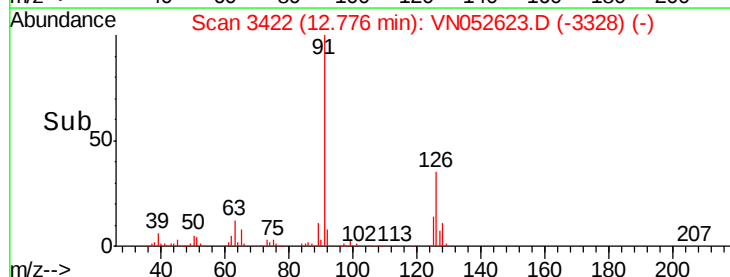
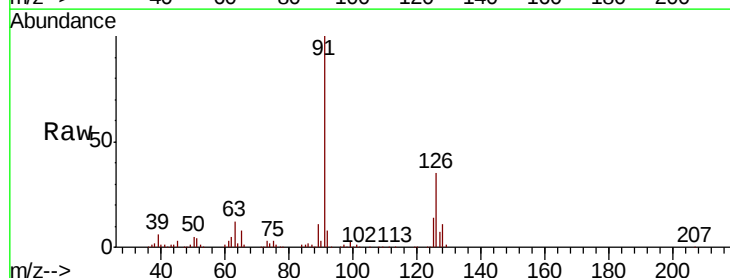
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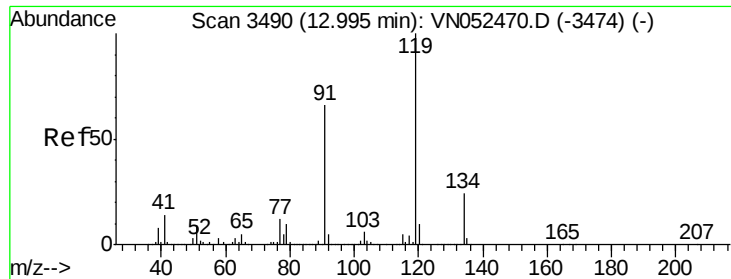
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#82
4-Chlorotoluene
Concen: 18.646 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	16.9	50.6





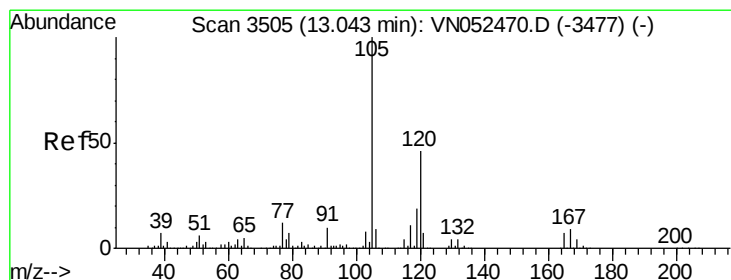
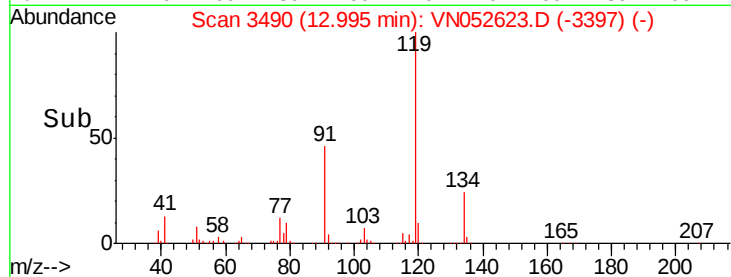
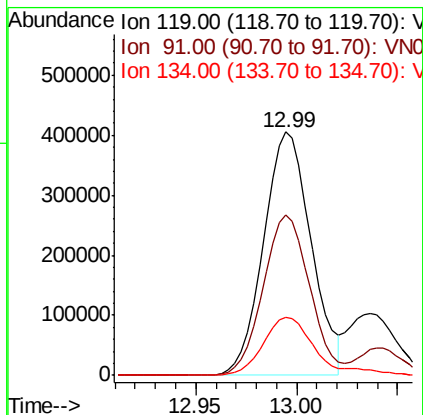
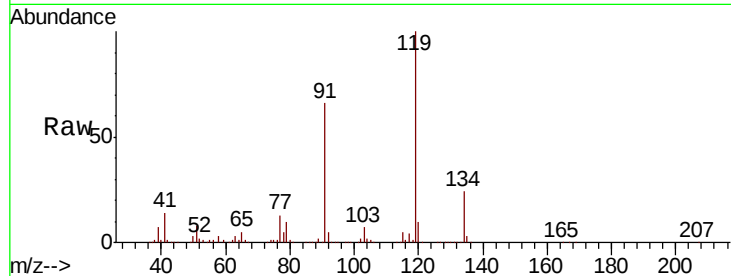
#83
 tert-Butylbenzene
 Concen: 19.255 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052623.D
 Acq: 3 Dec 2018 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	665526		
91	64.5	32.3	96.9	
134	26.1	13.0	38.9	

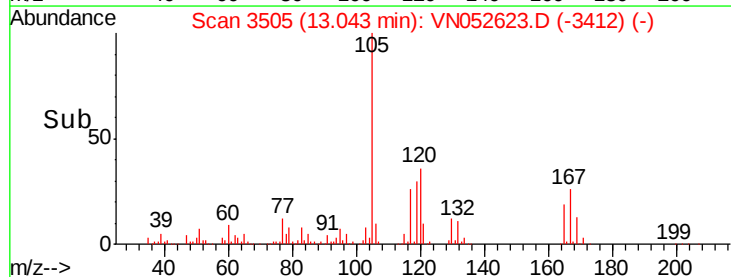
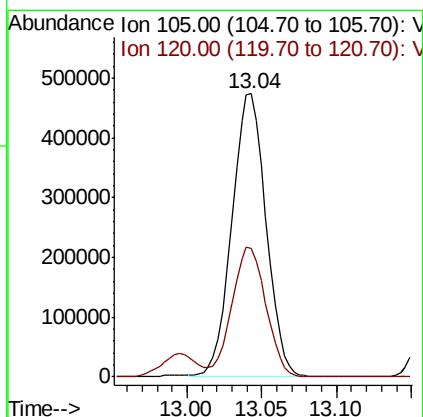
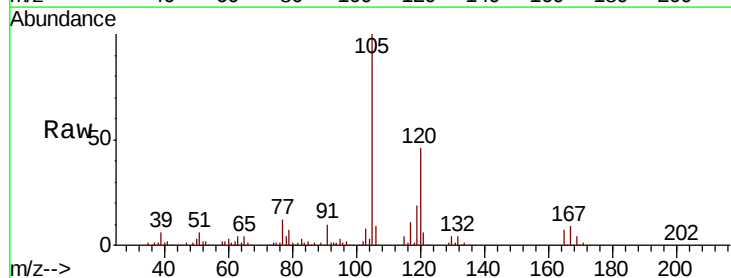
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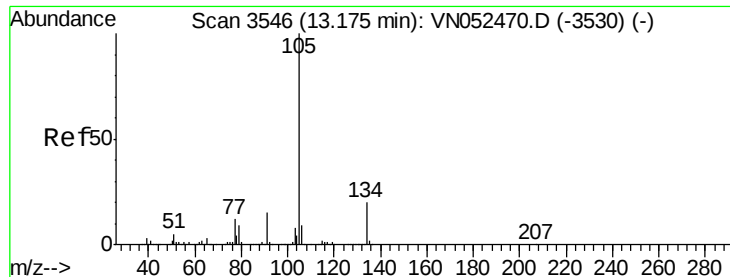
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.369 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN052623.D
 Acq: 3 Dec 2018 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	752551		
120	45.8	22.8	68.4	





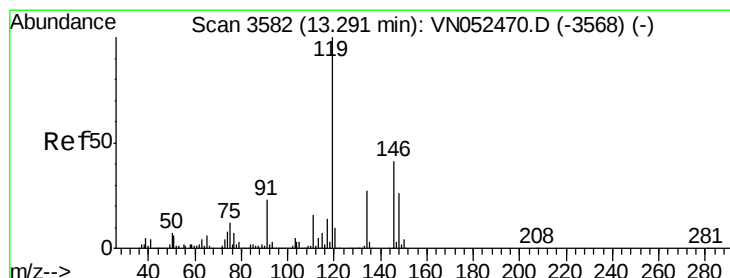
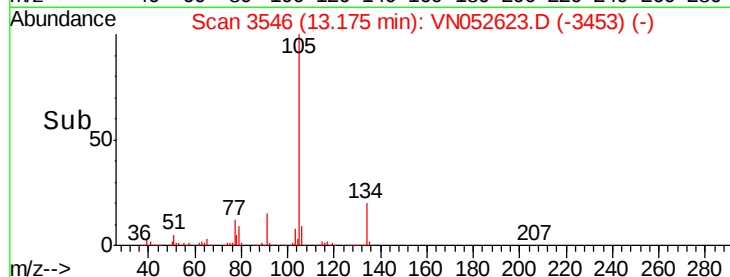
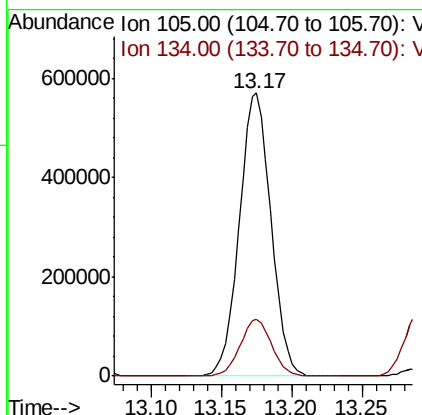
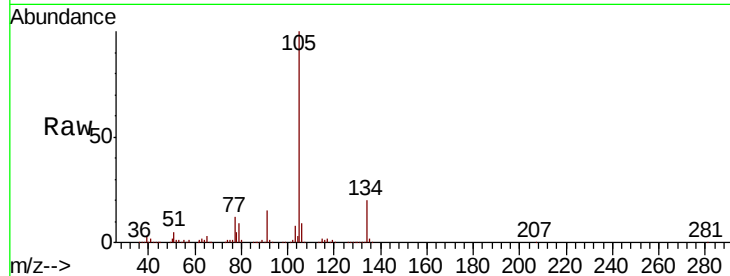
#85
 sec-Butylbenzene
 Concen: 19.042 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN052623.D
 Acq: 3 Dec 2018 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.9	29.7

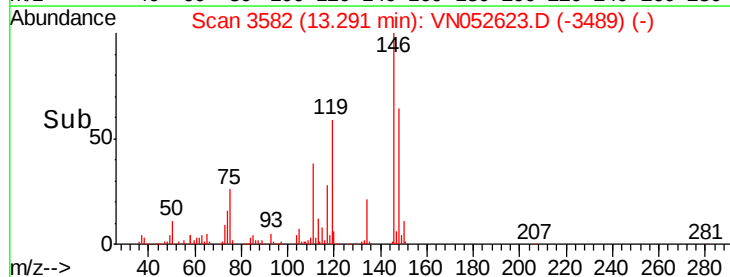
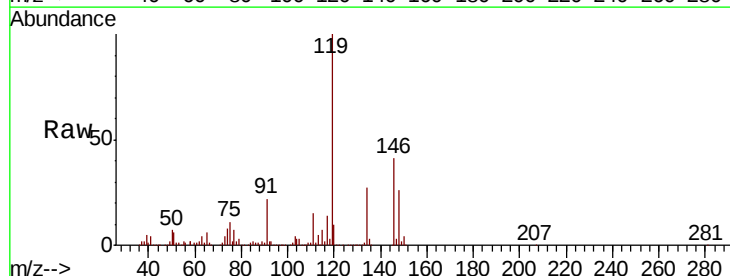
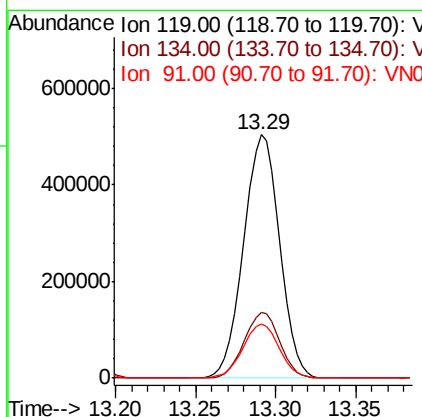
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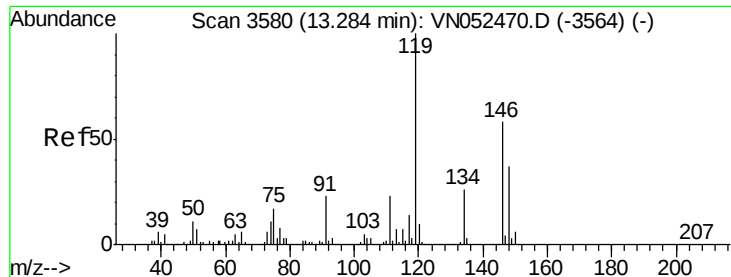
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#86
 p-Isopropyltoluene
 Concen: 19.224 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN052623.D
 Acq: 3 Dec 2018 11:21

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.4	40.2
91	22.4	11.4	34.2





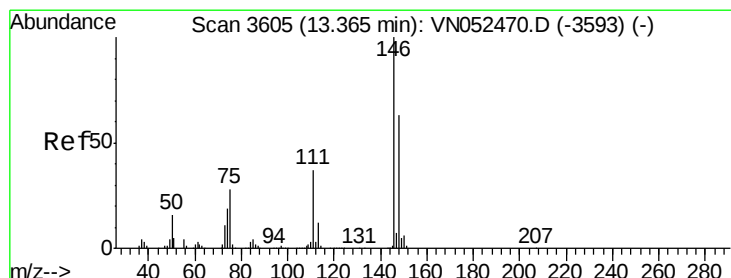
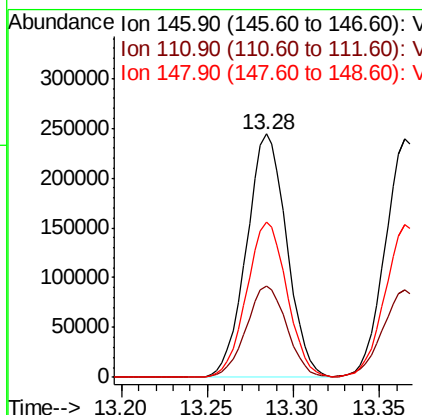
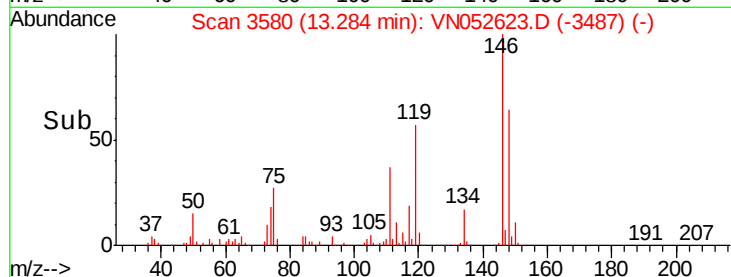
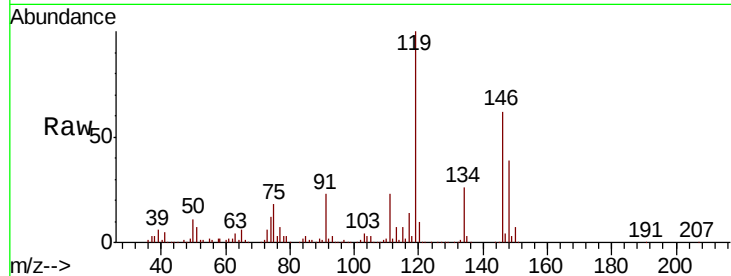
#87
 1,3-Dichlorobenzene
 Concen: 18.797 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052623.D
 Acq: 3 Dec 2018 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	395067		
111	38.0	19.4	58.4	
148	64.1	31.8	95.4	

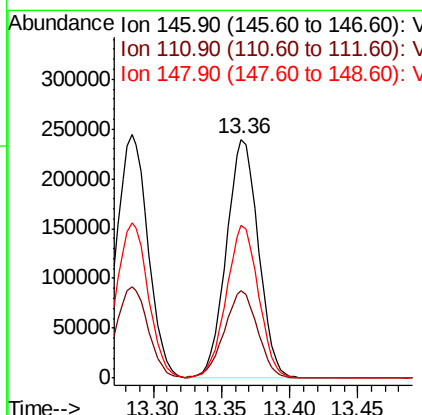
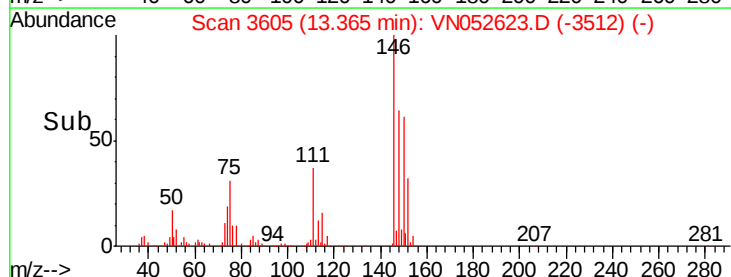
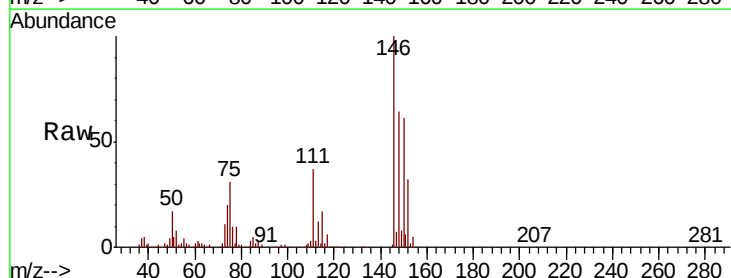
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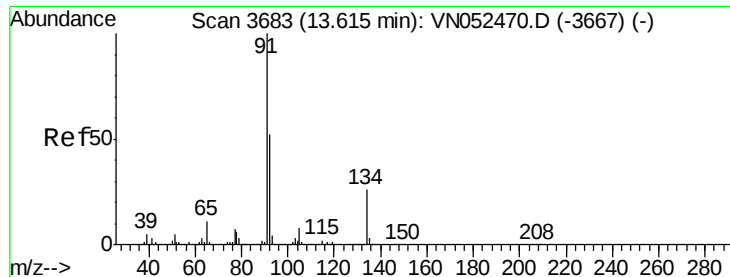
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#88
 1,4-Dichlorobenzene
 Concen: 18.907 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN052623.D
 Acq: 3 Dec 2018 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	391425		
111	38.0	18.6	56.0	
148	64.2	31.9	95.9	





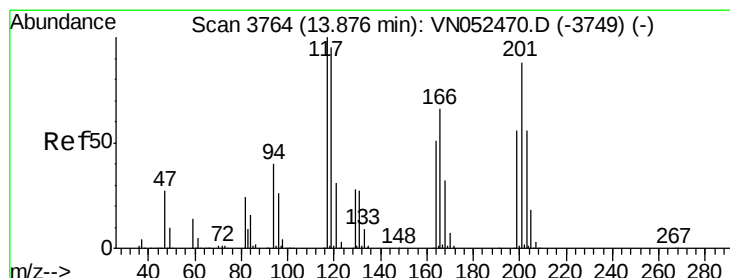
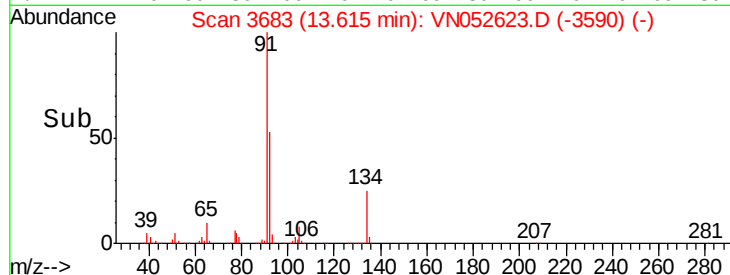
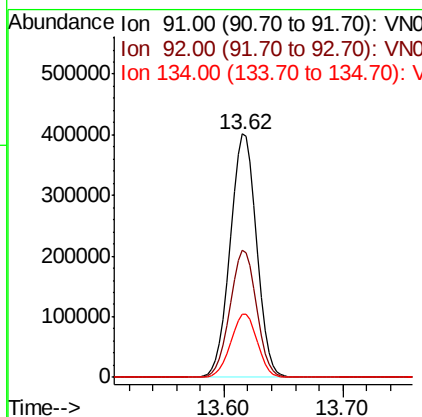
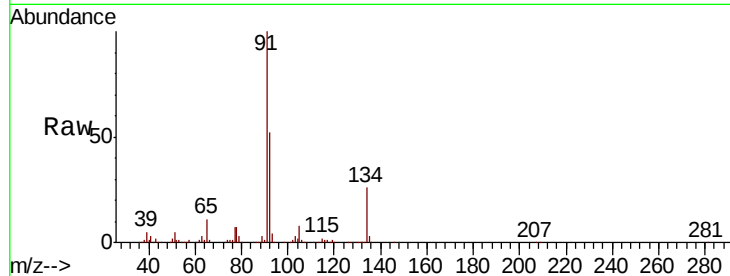
#89
n-Butylbenzene
Concen: 18.549 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.3
134	26.1	13.0	38.9

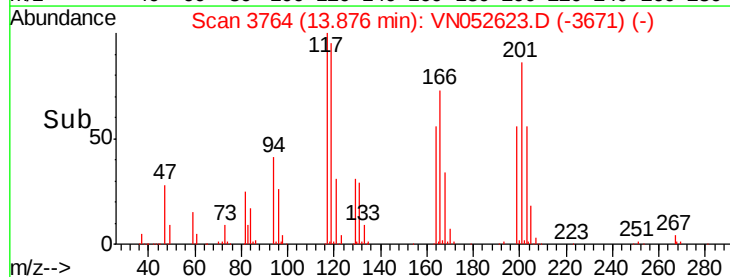
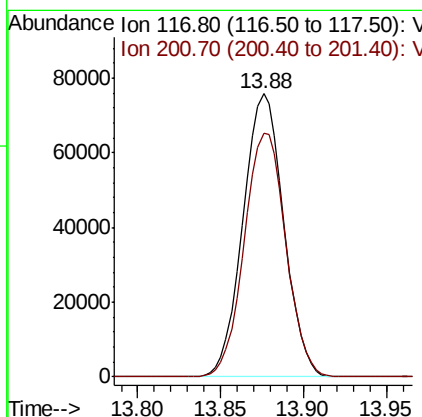
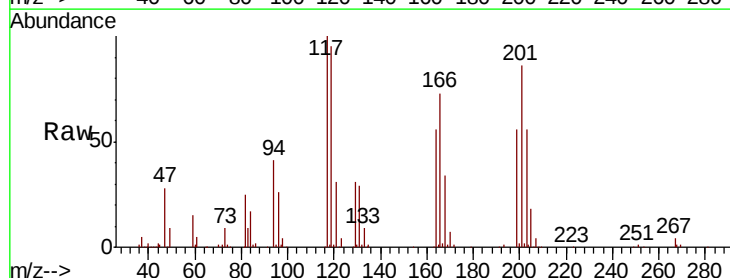
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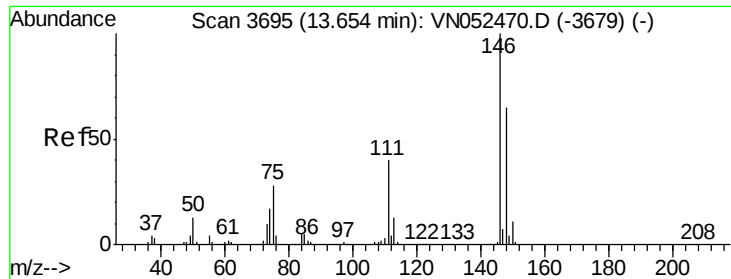
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#90
Hexachloroethane
Concen: 19.083 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.7	43.6	130.9





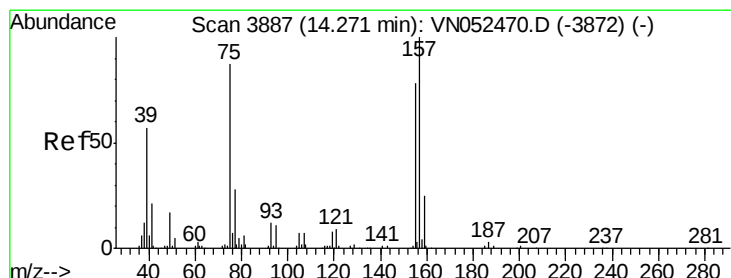
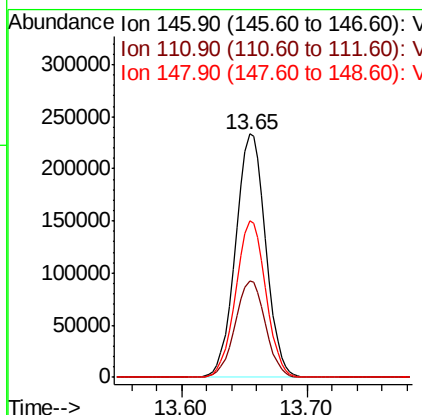
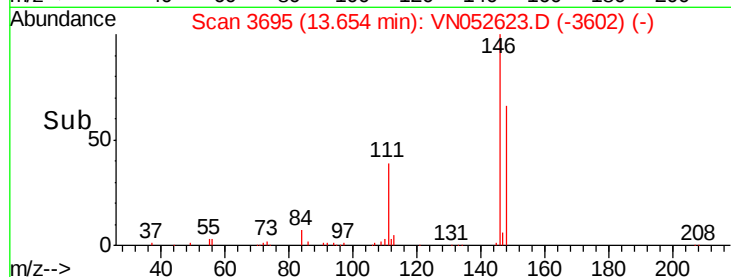
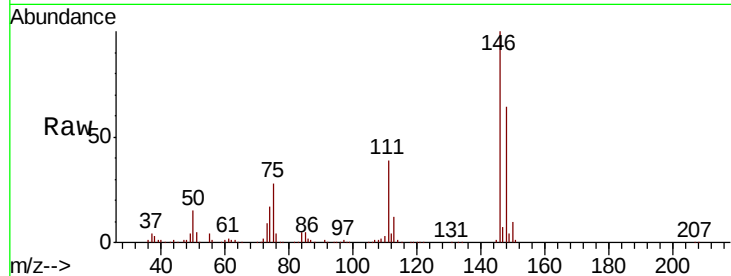
#91
 1,2-Dichlorobenzene
 Concen: 19.353 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052623.D
 Acq: 3 Dec 2018 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	60.0
148	64.0	32.0	96.2

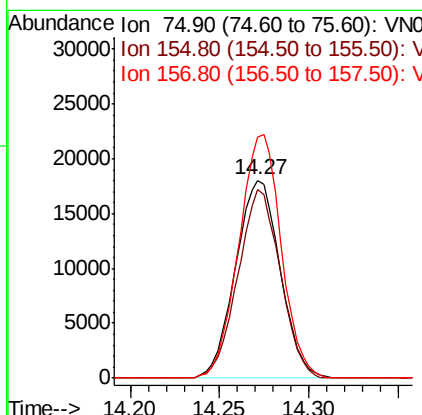
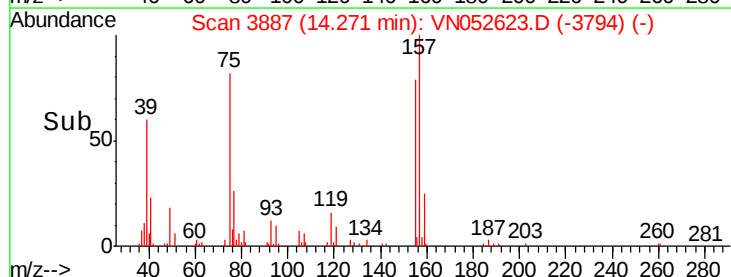
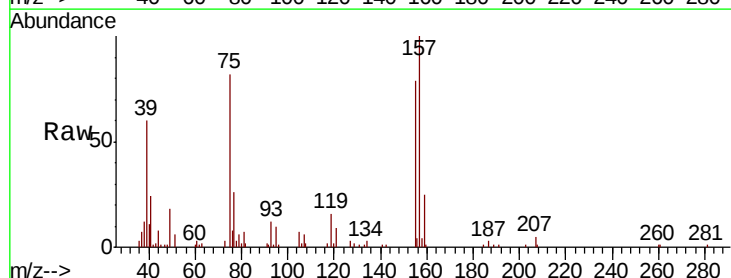
Manual Integrations
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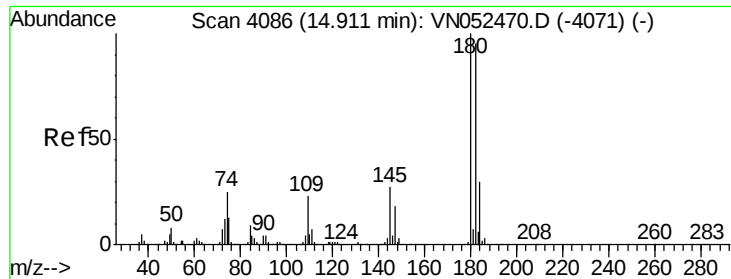
MMDadoda
 12/4/2018 2:56:44 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.783 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN052623.D
 Acq: 3 Dec 2018 11:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.6	45.3	135.9
157	117.3	58.1	174.2





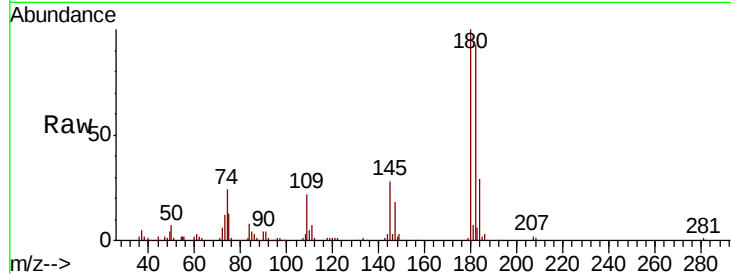
#93
 1,2,4-Trichlorobenzene
 Concen: 18.656 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052623.D
 Acq: 3 Dec 2018 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	184532		
182	95.1	47.8	143.4	
145	28.5	14.1	42.3	

Manual Integrations
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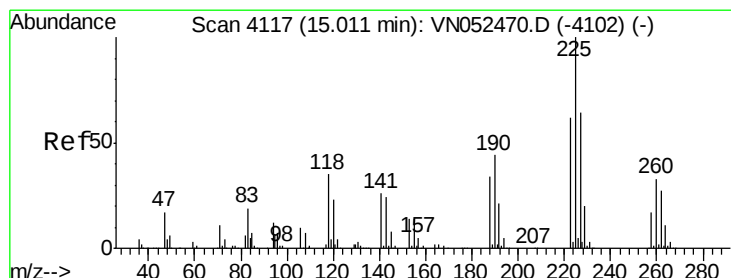
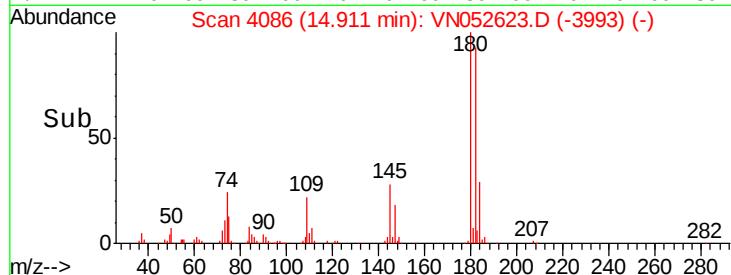
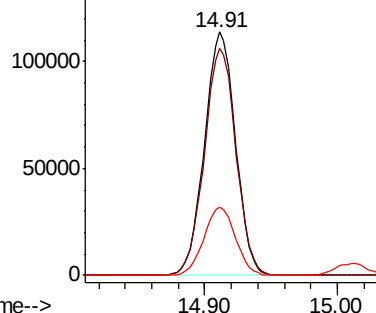


Abundance

Ion 179.80 (179.50 to 180.50): V

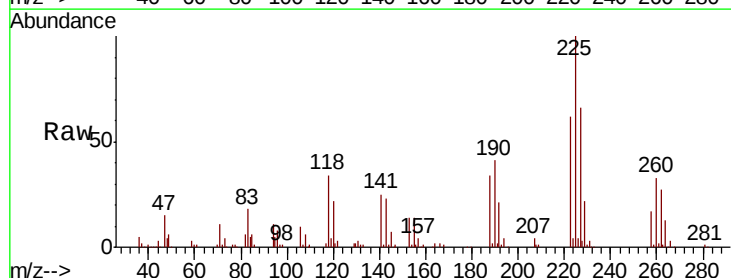
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.586 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052623.D
 Acq: 3 Dec 2018 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	120064		
223	63.6	31.4	94.2	
227	65.0	32.5	97.4	

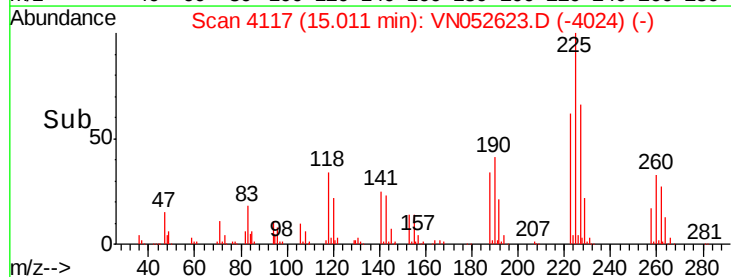
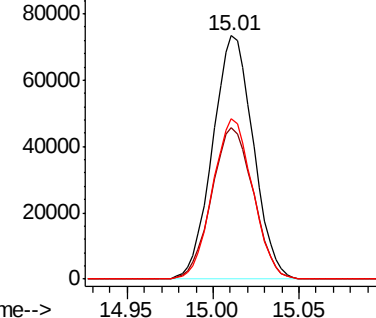


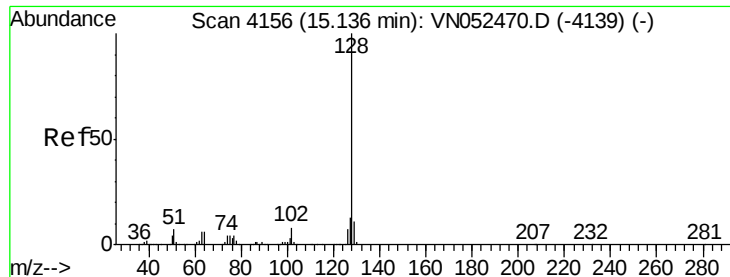
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





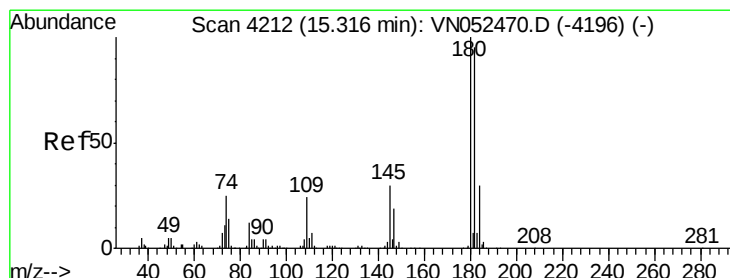
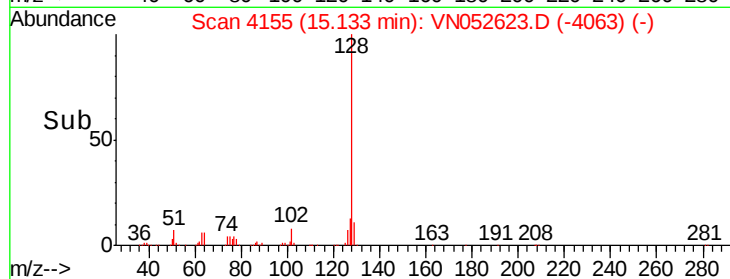
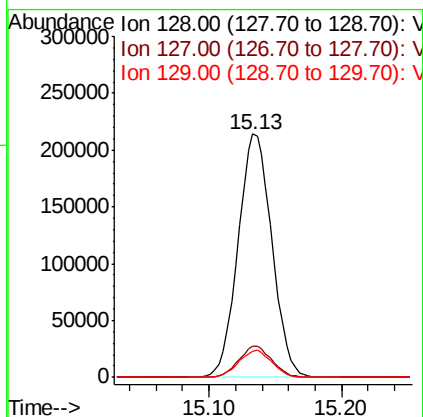
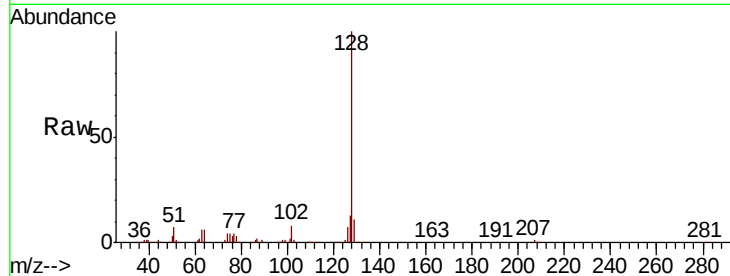
#95
Naphthalene
Concen: 18.533 ug/l
RT: 15.13 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	378290		
127	12.7		10.2	15.2
129	11.1		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.166 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052623.D
Acq: 3 Dec 2018 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	175849		
182	95.6		47.8	143.3
145	30.0		15.2	45.5

